TEST REPORT

Applicant:	Innovative Eyewear Inc.
Address:	11900 Biscayne Blvd Suite 630North Miami, Florida 33181
Equipment Type:	Reebok Nautica Eddie Bauer Lucyd Smart Eyewear
Model Name:	LCD011 (refer to section 2.3)
Brand Name:	Lucyd
FCC ID:	2BBYK-LCD011
ISED Number:	30961-LCD011
Test Standard:	47 CFR Part 15 Subpart C RSS-Gen Issue 5 RSS-247 Issue 4 (refer to section 3.1)
Sample Arrival Date:	Dec. 08, 2025
Test Date:	Dec. 16, 2025 - Jan. 25, 2026
Date of Issue:	Apr. 10, 2026

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Yang Wenxuan **Checked by:** Ye Hongji **Approved by:** Tolan Tu (Testing Director)

Revision History

Version	Issue Date	Revisions
Rev. 01	Apr. 10, 2026	Initial Issue

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1 GENERAL INFORMATION

1.1 Test Laboratory

Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	☐ Block B, 1/F, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☑ 1/F, Building B, Ganghongji High-tech Intelligent Industrial Park, No. 1008, Songbai Road, Yangguang Community, Xili Sub-district, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	☐ Building 2, Intelligent Connected Vehicle Industrial Park, No. 55, Xiangshan Road, Luotian Community, Yanluo Sub-district, Bao'an District, Shenzhen, Guangdong Province, China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The CAB identifier number is CN0030.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Innovative Eyewear Inc.
Address	11900 Biscayne Blvd Suite 630North Miami, Florida 33181

2.2 Manufacturer Information

Manufacturer	Innovative Eyewear Inc.
Address	11900 Biscayne Blvd Suite 630North Miami, Florida 33181

2.3 General Description for Equipment under Test (EUT)

EUT Name	Reebok Nautica Eddie Bauer Lucyd Smart Eyewear
Model Name Under Test	LCD011
Series Model Name	LCD011-10, LCD011-11, LCD011-20, LCD011-21, LCD011-30, LCD011-40, LCD011-XX
Description of Model name differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in color and size of frame. (this information provided by the applicant)
Serial Number	ZH2026LCD011
Hardware Version	v3.0
Software Version	v2.2
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.4 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR+BLE)

The requirement for the following technical information of the EUT was tested in this report:

Modulation Technology		FHSS
Modulation Type		GFSK, π/4-DQPSK, 8-DPSK
Product Type		☐ Mobile ☒ Portable ☐ Fix Location
Transfer Rate		DH5: 1 Mbps 2DH5: 2 Mbps 3DH5: 3 Mbps
Frequency Range		The frequency range used is 2400 MHz to 2483.5 MHz.
Number of Channel		79 (at intervals of 1 MHz)
Tested Channel		0 (2402 MHz), 39 (2441 MHz), 78 (2480 MHz)
Antenna Type	Left Ear	Ceramic Antenna
	Right Ear	
Antenna Gain	Left Ear	2.7 dBi
	Right Ear	
Antenna Impedance		50 Ω
Antenna System (MIMO Smart Antenna)		N/A

All channel was listed on the following table:

Channel number	Freq. (MHz)	Channel number	Freq. (MHz)	Channel number	Freq. (MHz)	Channel number	Freq. (MHz)
0	**2402**	21	2423	42	2444	63	2465
1	2403	22	2424	43	2445	64	2466
2	2404	23	2425	44	2446	65	2467
3	2405	24	2426	45	2447	66	2468
4	2406	25	2427	46	2448	67	2469
5	2407	26	2428	47	2449	68	2470
6	2408	27	2429	48	2450	69	2471
7	2409	28	2430	49	2451	70	2472
8	2410	29	2431	50	2452	71	2473
9	2411	30	2432	51	2453	72	2474
10	2412	31	2433	52	2454	73	2475
11	2413	32	2434	53	2455	74	2476
12	2414	33	2435	54	2456	75	2477
13	2415	34	2436	55	2457	76	2478
14	2416	35	2437	56	2458	77	2479
15	2417	36	2438	57	2459	**78**	**2480**
16	2418	37	2439	58	2460	-	-
17	2419	38	2440	59	2461	-	-
18	2420	**39**	**2441**	60	2462	-	-
19	2421	40	2442	61	2463	-	-
20	2422	41	2443	62	2464	-	-

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C	Intentional radiators of radio frequency equipment
2	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 4	Digital Transmission Systems, Frequency Hopping Systems and LicenceExempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands
4	ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	American National Standard for Procedures for Compliance Testing of Unlicensed Wireless Devices
5	KDB 558074 D01 15.247 Meas Guidance v05r02	Guidance for compliance measurements on digital transmission system, frequency hopping spread spectrum system, and hybrid system devices operating under section 15.247 of the FCC rules

3.2 Test Verdict

No.	Description	FCC Part No.	ISED Part No.	Channel	Test Result	Verdict	Remark
1	Antenna Requirement	15.203	RSS-247, 6.5 (c)	N/A	--	Pass	Note [1]
2	Number of Hopping Frequencies	15.247(a)	RSS-247, 6.2.3.1 (b)	Hopping Mode	ANNEX A.1	Pass	Note [2]
3	Peak Output Power and E.I.R.P	15.247(b)	RSS-247, 6.2.3.2	Low/Middle/ High	ANNEX A.2	Pass	--
4	Occupied Bandwidth	15.247(a)	RSS-247, 6.2.1 (a)	Low/Middle/ High	ANNEX A.3	Pass	--
5	Carrier Frequency Separation	15.247(a)	RSS-247, 6.2.3.1 (a)	Hopping Mode	ANNEX A.4	Pass	Note [2]
6	Time of Occupancy (Dwell time)	15.247(a)	RSS-247, 6.2.3.1 (b)	Hopping Mode	ANNEX A.5	Pass	Note [2]
7	Conducted Spurious Emission & Authorized-band band-edge	15.247(d)	RSS-247, 6.6	Hopping Mode; Low/Middle/ High	ANNEX A.6	Pass	Note [2]
8	Conducted Emission	15.207	RSS-GEN, 8.8	Low/Middle/ High	ANNEX A.7	Pass	Note [2]
9	Radiated Spurious Emission	15.209 15.247(d)	RSS-247, 6.6	Low/Middle/ High	ANNEX A.8	Pass	Note [2]
10	Band Edge(Restricted-band band-edge)	15.209 15.247(d)	RSS-247, 6.6	Low/High	ANNEX A.9	Pass	Note [2]
11	Receiver Spurious Emissions	--	RSS-Gen, 7.3	--	--	N/A	Note [3]

Note [1]: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note [2]: π/4-DQPSK is the EDR 2M rate mode, 8-DPSK is the EDR 3M rate mode. The consistency of test results in π/4-DQPSK and 8-DPSK is very high. So we chose 8-DPSK as a typical representative to appear on the report. Another we will show all the modes on the RF output power test item.

Note [3]: Only radio communication receivers operating in stand-alone mode within the band 30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	42% to 69%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+20.2℃ to +25.8℃
Working Voltage of the EUT	NV (Normal Voltage)	3.8 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420186	2025.05.21	2026.05.20
Power meter	R&S	NRP8S	101498	2025.07.07	2026.07.06
Test Antenna-Horn	A-INFO	LB-180400KF	J211060273	2024.06.15	2027.06.14
Test Antenna-Bi-Log	Schwarzbeck	VULB 9163	01414	2023.11.03	2026.11.02
Test Antenna-Horn	Schwarzbeck	BBHA 9120D	02459	2023.10.26	2026.10.25
Test Antenna-Loop	Schwarzbeck	FMZB 1513-60	00015	2024.05.07	2026.05.06
Anechoic Chamber	YIHENG	C8-966	107	2024.05.12	2027.05.11
EMI Receiver	Keysight	N9038A	MY55330121	2025.04.16	2026.04.15
Filtering unit	balun	SU319F	LW-SZ19D0001 F01	N/A	N/A
Switching unit	BALUN	SU319	LW-SZ19D0001 S01	N/A	N/A
EMI Receiver	keysight	N9038B	MY61380132	2025.04.01	2026.03.31
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK8127	01009	2025.07.15	2026.07.14
Shielded Enclosure	YiHeng Electronic Co., Ltd	4.3m*2.9m*2.4m	235	2024.11.05	2027.11.04
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2025.06.16	2026.06.15
Test Antenna-Loop	SCHWARZBECK	FMZB 1519	1519-037	2024.01.23	2027.01.22
Amplifier	COM-MV	ZT30-1000M	B2018054558	2025.11.26	2026.11.25
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	130	2024.07.13	2027.07.12

4.3 Test Software List

Description	Manufacturer	Software Version	Serial No.	Applicable test Setup
BL410R	BALUN	V2.1.1.488	N/A	The section 4.5.1
BL410E	BALUN	V22.930	N/A	The section 4.5.2&4.5.3&4.5.4&4.5.5

4.4 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

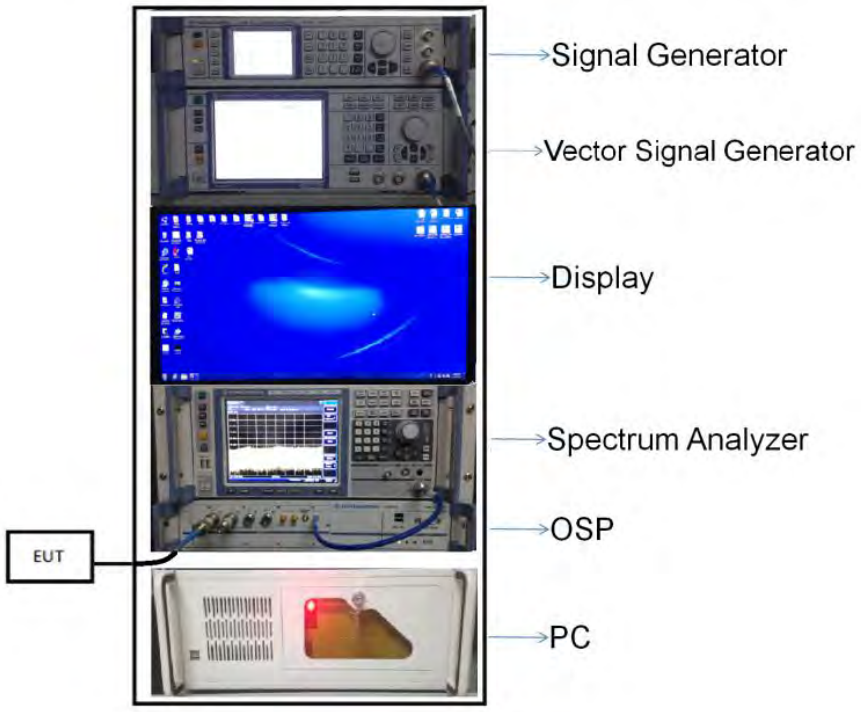
Parameters	Uncertainty
Occupied Channel Bandwidth	2.8%
RF output power, conducted	1.28 dB
Power Spectral Density, conducted	1.30 dB
Unwanted Emissions, conducted	1.84 dB
All emissions, radiated	5.36 dB
Temperature	0.8°C
Humidity	4%

4.5 Description of Test Setup

4.5.1 For Antenna Port Test

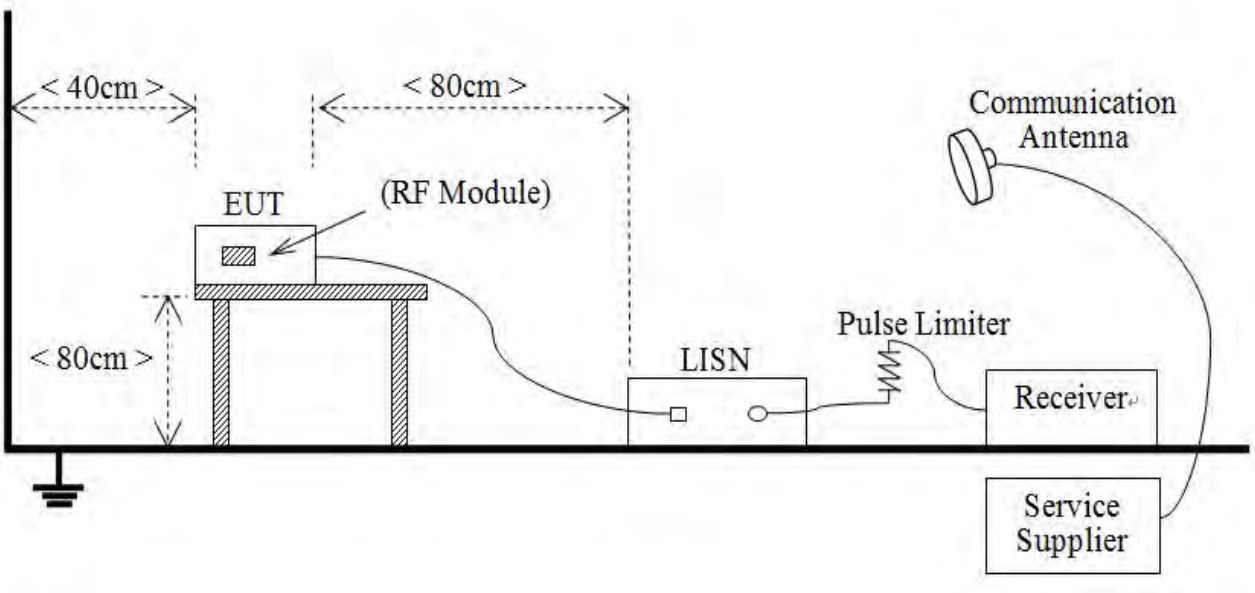
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT: Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



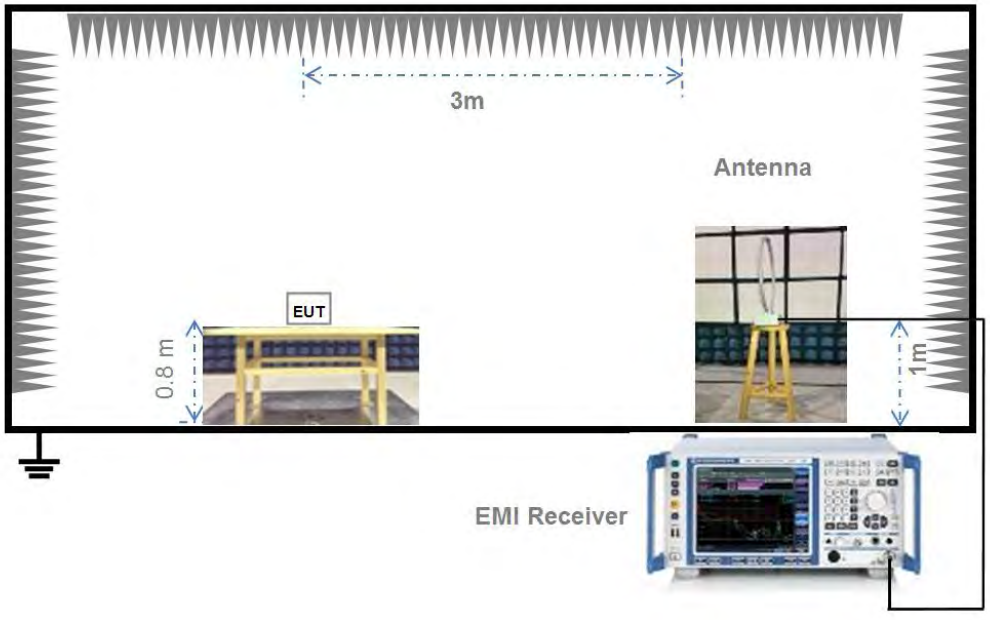
(Diagram 1)

4.5.2 For AC Power Supply Port Test



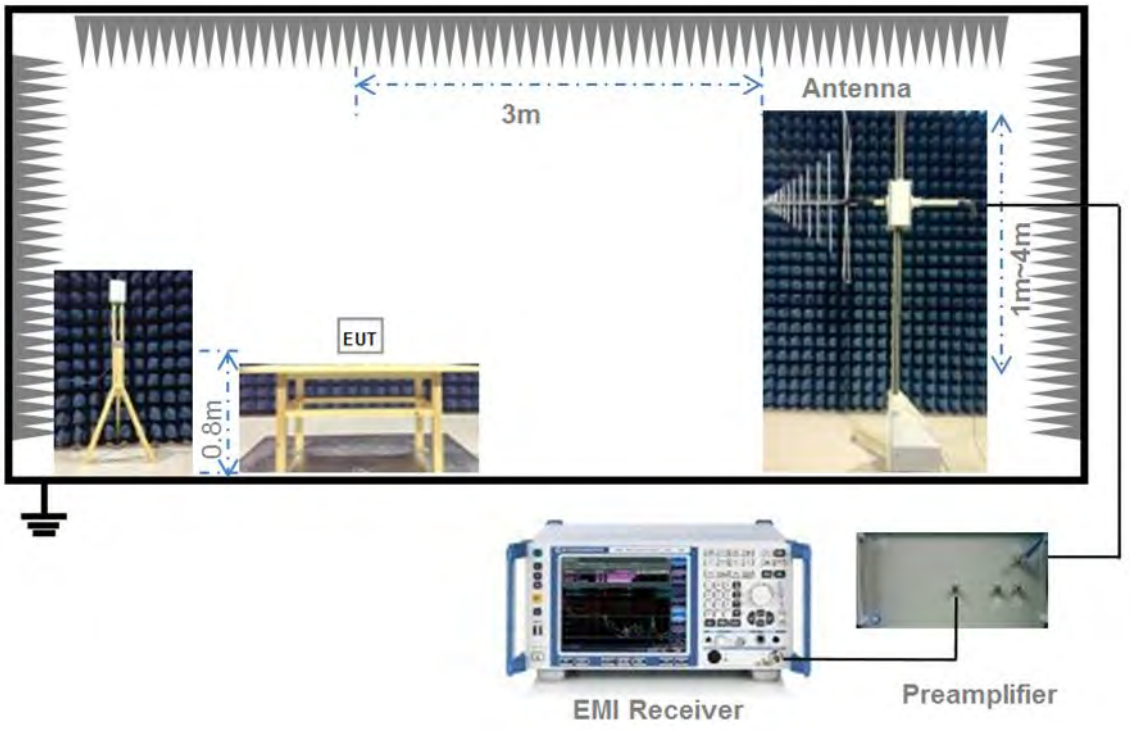
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



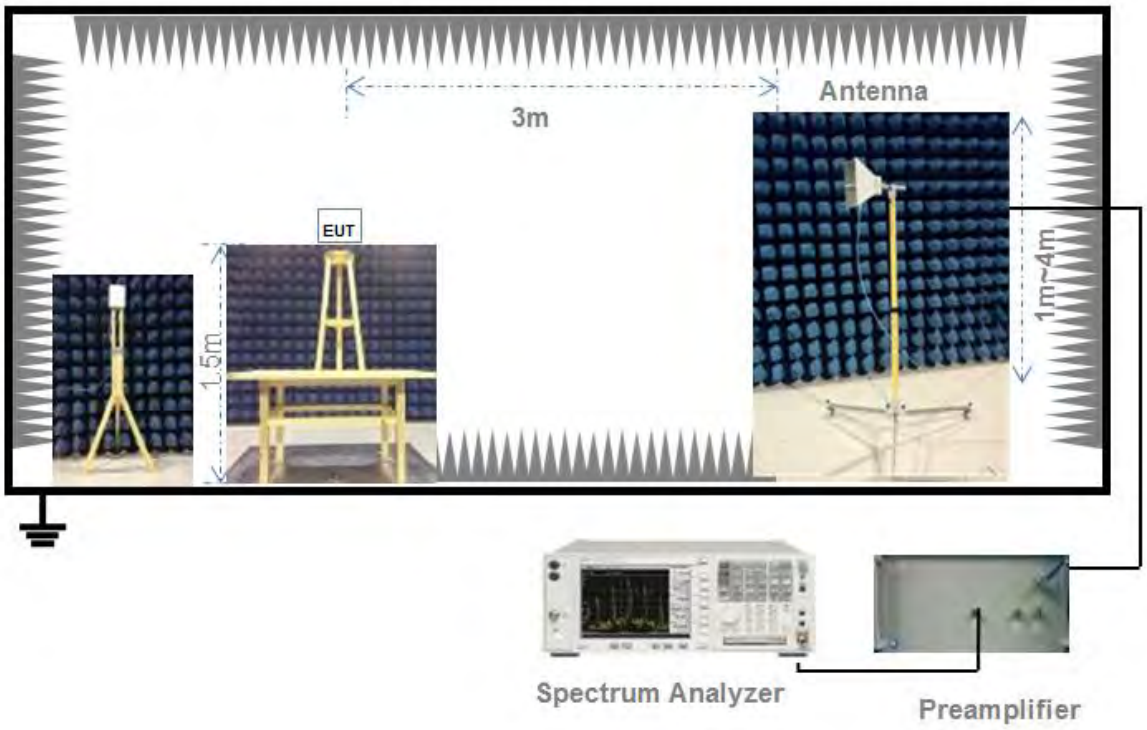
(Diagram 3)

4.5.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.5.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

4.6 Measurement Results Explanation Example

4.6.1 For conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.

5 TEST ITEMS

5.1 Antenna Requirements

5.1.1 Relevant Standards

FCC §15.203 & 15.247(b); RSS-247,6.5 (c)
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

If directional gain of transmitting antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

5.1.2 Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:

Protected Method	Description
The antenna is embedded in the product.	An embedded-in antenna design is used.

Reference Documents	Item
Photo	Please refer to the EUT Photo documents.

5.1.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

5.2 Frequency Hopping Systems

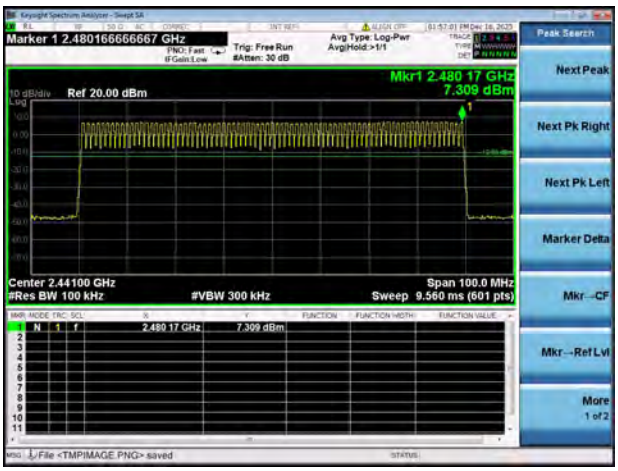
5.2.1 Relevant Standards

FCC §15.247(a) (1) (i) (ii) (iii) (iv); FCC §15.247(g); FCC §15.247(h);
Describe how the hopping sequence is generated. Provide an example of the hopping sequence channels, to demonstrate that the sequence meets the requirement specified in the definition of an FHSS system. Per the definition in Section 2.1(c), the hop set shall appear as random in the near term, shall appear as evenly distributed in the long term, and sequential hops shall be randomly distributed in both direction and magnitude of change.
Describe how each individual EUT meets the requirement that each of its hopping channels is used equally on average (e.g., that each new transmission event begins on the next channel in the hopping sequence after the final channel used in the previous transmission event).
Describe how the associated receiver(s) complies with the requirement that the input bandwidth (either RF or IF) matches the bandwidth of the transmitted signal.
Describe how the associated receiver(s) has the ability to shift frequencies in synchronization with the transmitted signals.
For short burst systems, describe how the EUT complies with the requirement that it be designed to be capable of operating as a true frequency hopping system. Specifically, the device shall comply with the equal frequency use and pseudorandom hopping sequence requirement when transmitting in short bursts, and shall be designed to comply when presented with continuous data (or information) stream.
Describe how the EUT complies with the requirement that it not have the ability to be coordinated with other FHSS systems in an effort to avoid the simultaneous occupancy of individual hopping frequencies by multiple transmitters.

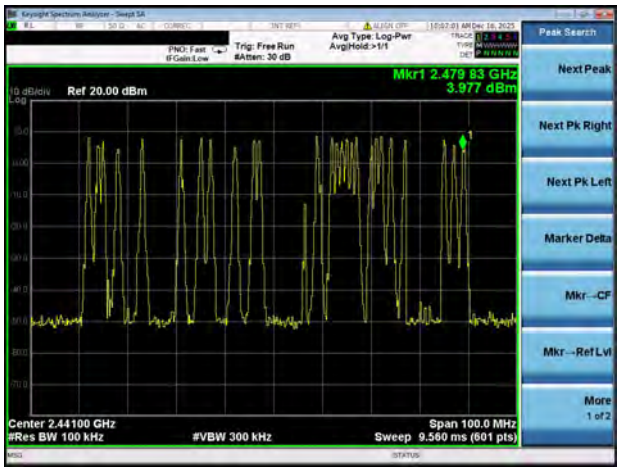
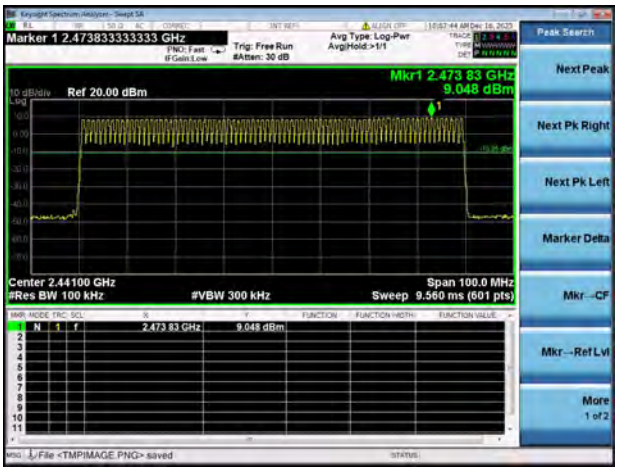
5.2.2 Description of the systems

1. According to the preset procedure of the whole network, all the stations in the automatic control network synchronously change the frequency multiple times within one second, and temporarily stay on each frequency hopping channel. Periodic synchronization signaling is sent from the primary station, instructing all slaves to simultaneously change the operating frequency, then the hopping sequence is generated.
2. The hop set shall appear as random in the near term, shall appear as evenly distributed in the long term, and sequential hops shall be randomly distributed in both direction and magnitude of change.

Left Ear

Reference Documents	
	

Right Ear

Reference Documents	
	

3. Channels are classified into two categories, used and unused, where used channels are part of the hopping sequence and unused channels are replaced in the hopping sequence by used channels in a pseudo-random way. Make each individual EUT meets the requirement that each of its hopping channels is used equally on average.
4. The input bandwith and transmitted bandwith are both 1MHz, the associated receiver(s) complies with the requirement that the input bandwidth matches the bandwidth of the transmitted signal.
5. Connected devices communicate on the same physical channel by synchronizing with a common clock and hopping sequence.
6. EUT isn't short burst systems.
7. EUT can't have the ability to be coordinated with other FHSS systems in an effort.

5.3 Number of Hopping Frequencies

5.3.1 Limit

FCC §15.247(a) (1) (iii); RSS-247, 6.2.3.1(b)

Frequency hopping systems operating in the 2400 MHz to 2483.5 MHz bands shall use at least 15 hopping frequencies.

5.3.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

Span = The frequency band of operation

RBW = To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.

VBW ≥ RBW

Sweep = auto

Detector function = peak

Trace = max hold

Allow the trace to stabilize

5.3.4 Test Result

Please refer to ANNEX A.1.

5.4 Peak Output Power and E.I.R.P

5.4.1 Test Limit

FCC § 15.247(b)

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

RSS-247, 6.2.3.2

The following transmitter output power and e.i.r.p. requirements shall apply:

a. if the hopset uses 75 or more hopping channels, the maximum peak conducted output power shall not exceed 1.0 W.

b. if the hopset uses less than 75 hopping channels the maximum peak conducted output power shall not exceed 0.125 W.

c. the e.i.r.p. shall not exceed 4 W, except as provided in sections 6.5 a) and b).

5.4.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The Module operates at hopping-off test mode. The lowest, middle and highest channels are selected to perform testing to verify the conducted RF output peak power of the Module.

Use the following spectrum analyzer settings:

Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel

RBW > the 20 dB bandwidth of the emission being measured

VBW ≥ RBW

Sweep = auto

Detector function = peak

Trace = max hold

Allow the trace to stabilize.

5.4.4 Test Result

Please refer to ANNEX A.2.

5.5 Occupied Bandwidth

5.5.1 Limit

FCC §15.247(a); RSS-247, 6.2.1 (a)

Measurement of the 20dB bandwidth of the modulated signal.

5.5.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

Use the following spectrum analyzer settings:

Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hopping channel

RBW = in the range of 1% to 5% of the OBW

VBW ≥ RBW

Sweep = auto

Detector function = peak

Trace = max hold

The EUT should be transmitting at its maximum data rate, Allow the trace to stabilize.

5.5.4 Test Result

Please refer to ANNEX A.3.

5.6 Carrier Frequency Separation

5.6.1 Limit

FCC §15.247(a); RSS-247, 6.2.3.1(a)

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 2/3 of the 20 dB bandwidth of the hopping channel, whichever is greater.

5.6.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.6.3 Test Procedure

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

Span = wide enough to capture the peaks of two adjacent channels

Resolution (or IF) Bandwidth (RBW) ≥ 1% of the span

Video (or Average) Bandwidth (VBW) ≥ RBW

Sweep = auto

Detector function = peak

Trace = max hold

Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels.

5.6.4 Test Result

Please refer to ANNEX A.4.

5.7 Time of Occupancy (Dwell time)

5.7.1 Limit

FCC §15.247(a); RSS-247, 6.2.3.1(b)

Frequency hopping systems in the 2400 MHz - 2483.5 MHz band shall use at least 15 non-overlapping channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

5.7.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.7.3 Test Procedure

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:
Span: Zero span, centered on a hopping channel
RBW shall be ≤ channel spacing and where possible RBW should be set >> 1 / T, where T is the expected dwell time per channel
Sweep: As necessary to capture the entire dwell time per hopping channel; where possible use a video trigger and trigger delay so that the transmitted signal starts a little to the right of the start of the plot. The trigger level might need slight adjustment to prevent triggering when the system hops on an adjacent channel; a second plot might be needed with a longer sweep time to show two successive hops on a channel
Detector function: Peak
Trace: Max hold

Use the marker-delta function to determine the transmit time per hop. If this value varies with different modes of operation (data rate, modulation format, number of hopping channels, etc.), then repeat this test for each variation in transmit time.

The average time of occupancy on any channel within the Period can be calculated with formulas:
For GFSK and 8-DPSK:
For DH1 package type
{Total of Dwell} = {Pulse Time} * (1600 / 2) / {Number of Hopping Frequency} * {Period}
{Period} = 0.4 s * {Number of Hopping Frequency}
For DH3 package type
{Total of Dwell} = {Pulse Time} * (1600 / 4) / {Number of Hopping Frequency} * {Period}
{Period} = 0.4 s * {Number of Hopping Frequency}
For DH5 package type
{Total of Dwell} = {Pulse Time} * (1600 / 6) / {Number of Hopping Frequency} * {Period}
{Period} = 0.4 s * {Number of Hopping Frequency}
For AFH Mode:
For DH1 package type

{Total of Dwell} = {Pulse Time} * (800 / 2) / {Number of Hopping Frequency} * {Period}
{Period} = 0.4 s * {Number of Hopping Frequency}
For DH3 package type
{Total of Dwell} = {Pulse Time} * (800 / 4) / {Number of Hopping Frequency} * {Period}
{Period} = 0.4 s * {Number of Hopping Frequency}
For DH5 package type
{Total of Dwell} = {Pulse Time} * (800 / 6) / {Number of Hopping Frequency} * {Period}
{Period} = 0.4 s * {Number of Hopping Frequency}

The lowest, middle and highest channels are selected to perform testing to record the dwell time of each occupation measured in this channel, which is called Pulse Time here.

5.7.4 Test Result

Please refer to ANNEX A.5.

5.8 Conducted Spurious Emission & Authorized-band band-edge

5.8.1 Limit

FCC §15.247(d); RSS-247, 6.6

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

5.8.2 Test Setup

See section 4.5.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.8.3 Test Procedure

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.
RBW = 100 kHz
VBW = 300 kHz
Sweep = auto
Detector function = peak
Trace = max hold
Allow the trace to stabilize

5.8.4 Test Result

Please refer to ANNEX A.6.

5.9 Conducted Emission

5.9.1 Limit

FCC §15.207; RSS-GEN, 8.8

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50μH/50Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dBμV)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

5.9.2 Test Setup

See section 4.5.2 for test setup description for the AC power supply port. The photo of test setup please refer to ANNEX B.

5.9.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.
Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

5.9.4 Test Result

Please refer to ANNEX A.7.

5.10 Radiated Spurious Emission

5.10.1 Limit

FCC §15.209&15.247(d); RSS-247, 6.6

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note:

1. Field Strength (dBμV/m) = 20*log[Field Strength (μV/m)].
2. In the emission tables above, the tighter limit applies at the band edges.
3. For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
4. For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).

5.10.2 Test Setup

See section 4.5.3 to 4.5.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.10.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition

was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured
RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold
For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported, Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

5.10.4 Test Result

Please refer to ANNEX A.8.

5.11 Band Edge (Restricted-band band-edge)

5.11.1 Limit

FCC §15.209&15.247(d)

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

5.11.2 Test Setup

See section 4.5.3 to 4.5.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.11.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured
RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported, Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

5.11.4 Test Result

Please refer to ANNEX A.9.

ANNEX A TEST RESULT

A.1 Number of Hopping Frequency

Test Data

Left Ear

Test Mode	Frequency Block (MHz)	Measured Channel Numbers	Min. Limit	Verdict
GFSK	2400 - 2483.5	79	15	Pass
8-DPSK	2400 - 2483.5	79	15	Pass

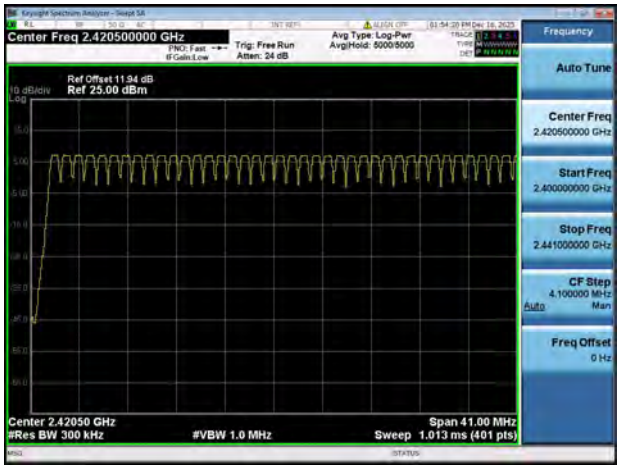
Right Ear

Test Mode	Frequency Block (MHz)	Measured Channel Numbers	Min. Limit	Verdict
GFSK	2400 - 2483.5	79	15	Pass
8-DPSK	2400 - 2483.5	79	15	Pass

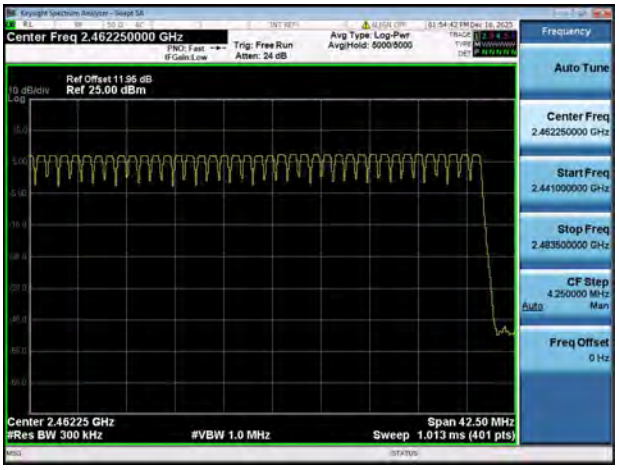
Test Plots

Left Ear

GFSK 2.4 GHz ~ 2.4415 GHz

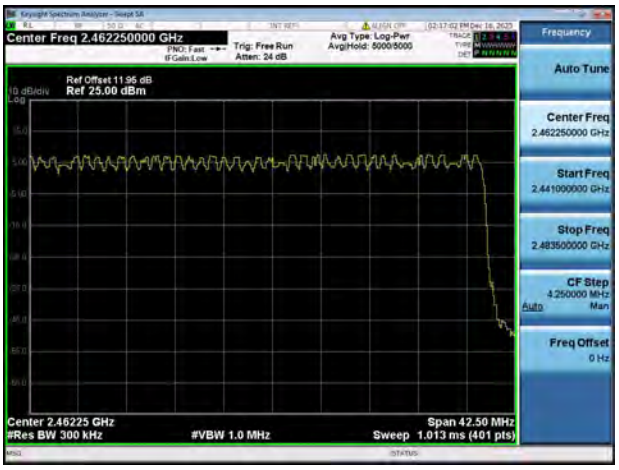


GFSK 2.4415 GHz ~ 2.4835 GHz



8-DPSK 2.4 GHz ~ 2.4415 GHz

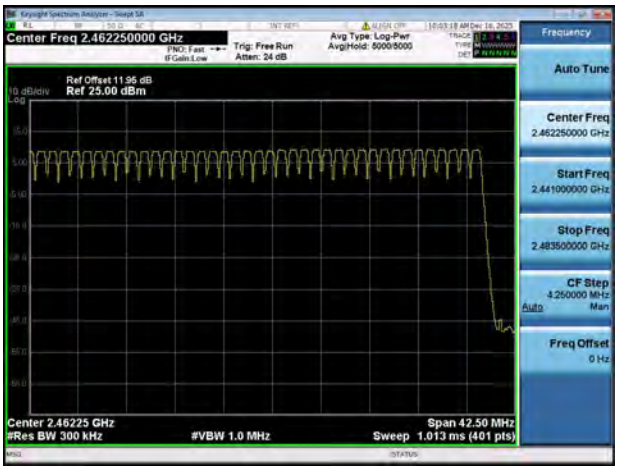
8-DPSK 2.4415 GHz ~ 2.4835 GHz



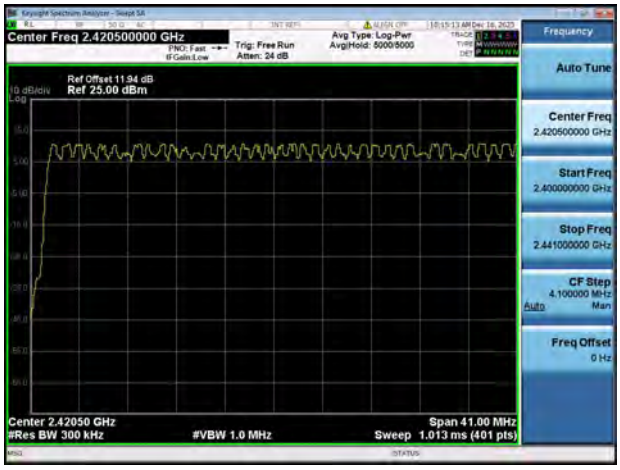
Right Ear

GFSK 2.4 GHz ~ 2.4415 GHz

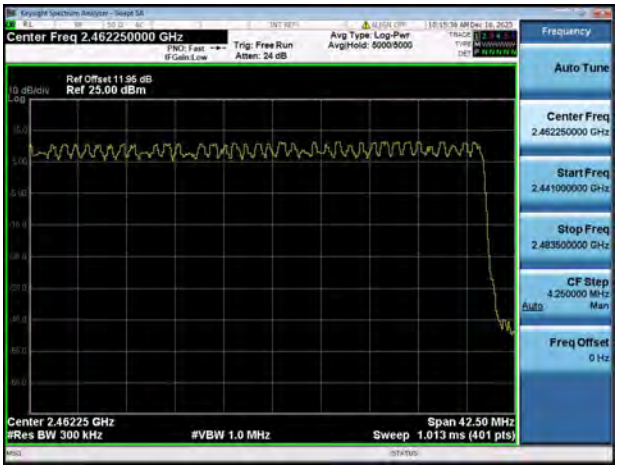
GFSK 2.4415 GHz ~ 2.4835 GHz



8-DPSK 2.4 GHz ~ 2.4415 GHz



8-DPSK 2.4415 GHz ~ 2.4835 GHz



A.2 Peak Output Power and E.I.R.P

Left Ear

Peak Power Test Data

Channel	Measured Output Peak Power						Limit		Verdict
	GFSK		π/4-DQPSK		8-DPSK		dBm	mW	
	dBm	mW	dBm	mW	dBm	mW			
Low	7.81	6.05	7.68	5.86	7.89	6.15	21	125	Pass
Middle	7.58	5.72	7.57	5.71	7.78	6.00			Pass
High	7.91	6.18	7.85	6.09	8.08	6.43			Pass

E.I.R.P Test Data (For ISED)

Channel	E.I.R.P						Limit		Verdict
	GFSK		π/4-DQPSK		8-DPSK		dBm	mW	
	dBm	mW	dBm	mW	dBm	mW			
Low	10.51	11.26	10.38	10.92	10.59	11.45	36	4000	Pass
Middle	10.28	10.65	10.27	10.63	10.48	11.17			Pass
High	10.61	11.51	10.55	11.34	10.78	11.98			Pass

Right Ear

Peak Power Test Data

Channel	Measured Output Peak Power						Limit		Verdict
	GFSK		π/4-DQPSK		8-DPSK		dBm	mW	
	dBm	mW	dBm	mW	dBm	mW			
Low	8.83	7.64	10.96	12.48	11.11	12.90	21	125	Pass
Middle	8.92	7.80	11.07	12.79	11.25	13.33			Pass
High	9.46	8.82	11.68	14.71	11.82	15.21			Pass

E.I.R.P Test Data (For ISED)

Channel	E.I.R.P						Limit		Verdict
	GFSK		π/4-DQPSK		8-DPSK		dBm	mW	
	dBm	mW	dBm	mW	dBm	mW			
Low	11.53	14.23	13.66	23.24	13.81	24.02	36	4000	Pass
Middle	11.62	14.52	13.77	23.82	13.95	24.83			Pass
High	12.16	16.43	14.38	27.40	14.52	28.31			Pass

Test Plots

Left Ear

GFSK LOW CHANNEL

GFSK MIDDLE CHANNEL

GFSK HIGH CHANNEL

π/4-DQPSK LOW CHANNEL

π/4-DQPSK MIDDLE CHANNEL

π/4-DQPSK HIGH CHANNEL

8-DPSK LOW CHANNEL

8-DPSK MIDDLE CHANNEL

8-DPSK HIGH CHANNEL

Right Ear

GFSK LOW CHANNEL

GFSK MIDDLE CHANNEL

GFSK HIGH CHANNEL

π/4-DQPSK LOW CHANNEL

π/4-DQPSK MIDDLE CHANNEL

π/4-DQPSK HIGH CHANNEL

8-DPSK LOW CHANNEL

8-DPSK MIDDLE CHANNEL

8-DPSK HIGH CHANNEL

A.3 20 dB and 99% bandwidth

Test Data

Left Ear

GFSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	0.960000	0.903230
Middle	0.960000	0.905970
High	0.960000	0.906860
π/4-DQPSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	1.274900	1.160800
Middle	1.274900	1.159100
High	1.274900	1.159900
8-DPSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	1.215100	1.142800
Middle	1.215100	1.143200
High	1.215100	1.144700

Right Ear

GFSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	0.960200	0.890270
Middle	0.960200	0.892880
High	0.960200	0.891170
π/4-DQPSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	1.237500	1.151600
Middle	1.245100	1.151300
High	1.245100	1.150000
8-DPSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	1.207500	1.132800
Middle	1.207500	1.134100
High	1.207500	1.132700

Test Plots

Left Ear

20 dB Bandwidth

GFSK LOW CHANNEL

GFSK MIDDLE CHANNEL

GFSK HIGH CHANNEL

π/4-DQPSK LOW CHANNEL

π/4-DQPSK MIDDLE CHANNEL

π/4-DQPSK HIGH CHANNEL

8-DPSK LOW CHANNEL

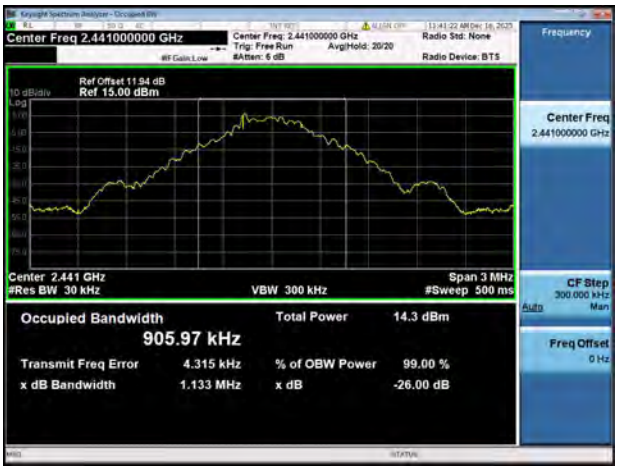
8-DPSK MIDDLE CHANNEL

8-DPSK HIGH CHANNEL

99% Bandwidth

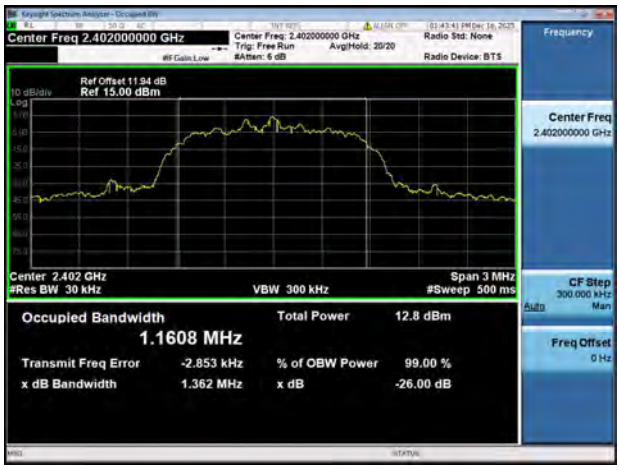
GFSK LOW CHANNEL

GFSK MIDDLE CHANNEL

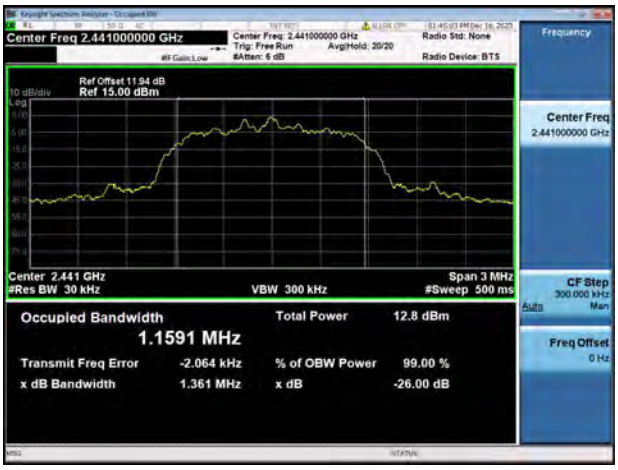


GFSK HIGH CHANNEL

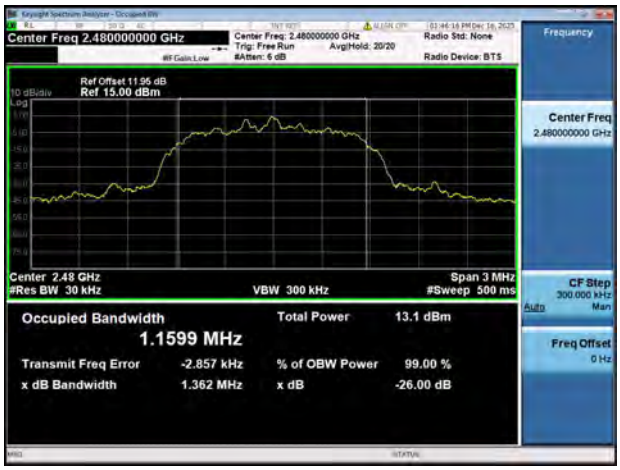
π/4-DQPSK LOW CHANNEL



π/4-DQPSK MIDDLE CHANNEL

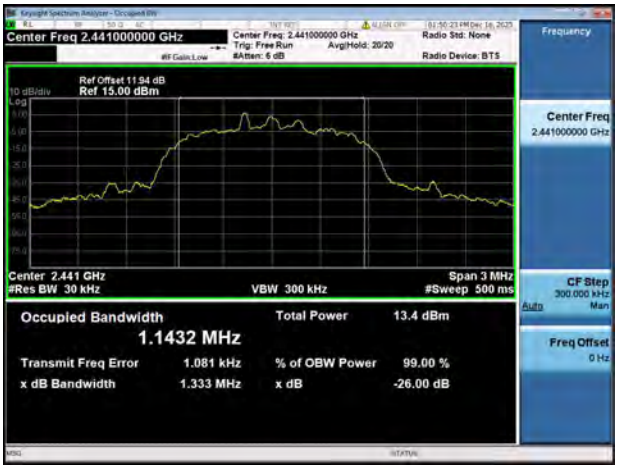


π/4-DQPSK HIGH CHANNEL

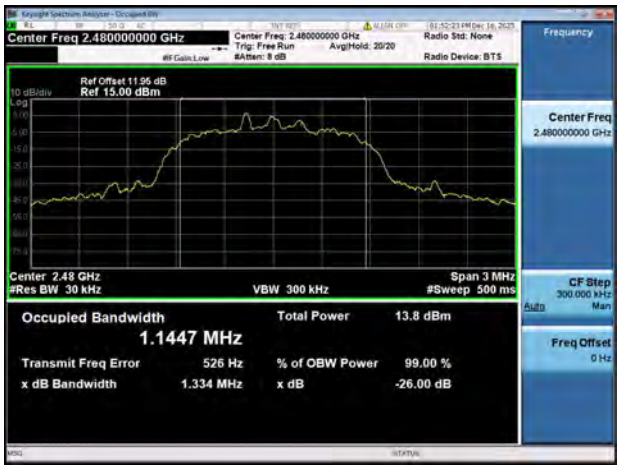


8-DPSK LOW CHANNEL

8-DPSK MIDDLE CHANNEL



8-DPSK HIGH CHANNEL



Right Ear

20 dB Bandwidth

GFSK LOW CHANNEL

GFSK MIDDLE CHANNEL

GFSK HIGH CHANNEL

π/4-DQPSK LOW CHANNEL

π/4-DQPSK MIDDLE CHANNEL

π/4-DQPSK HIGH CHANNEL

8-DPSK LOW CHANNEL

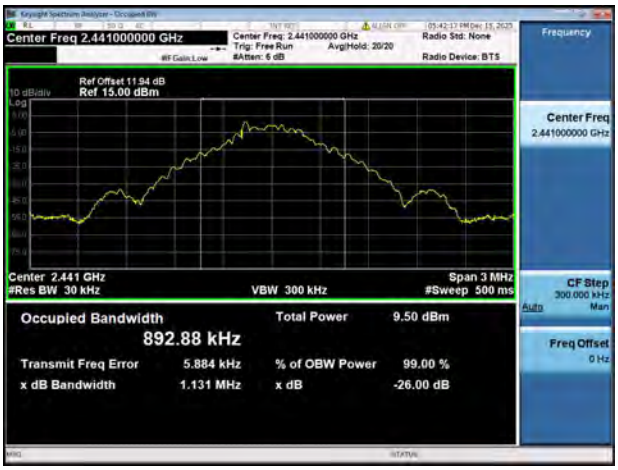
8-DPSK MIDDLE CHANNEL

8-DPSK HIGH CHANNEL

99% Bandwidth

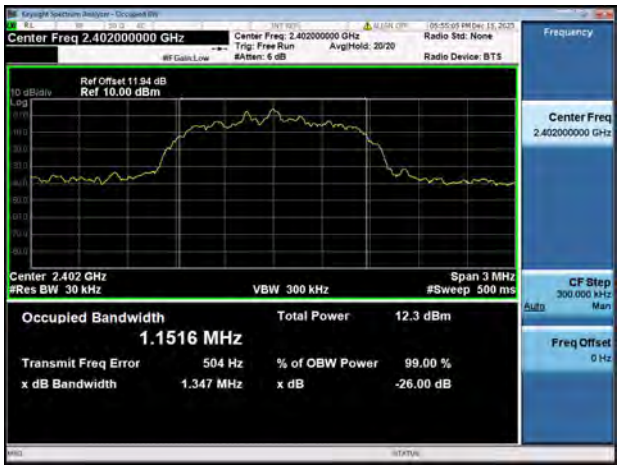
GFSK LOW CHANNEL

GFSK MIDDLE CHANNEL

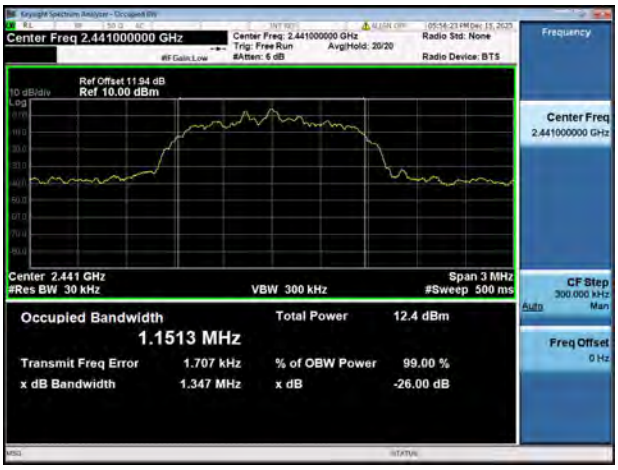


GFSK HIGH CHANNEL

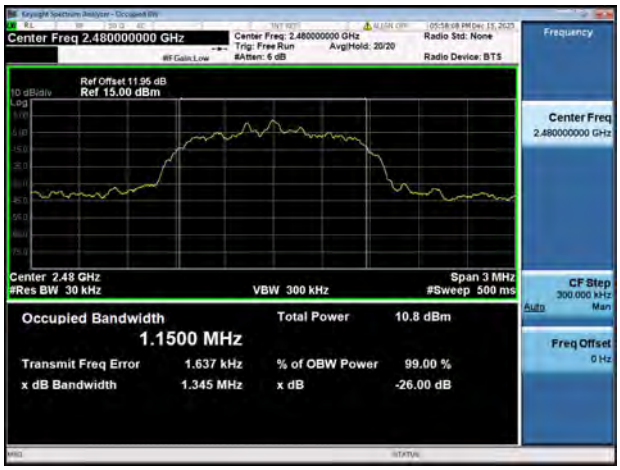
π/4-DQPSK LOW CHANNEL



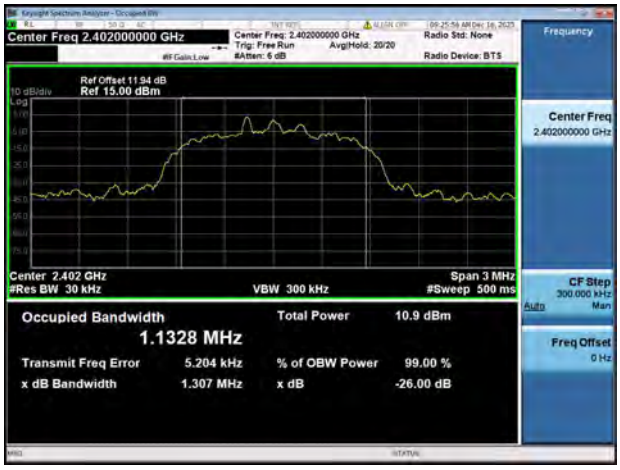
π/4-DQPSK MIDDLE CHANNEL



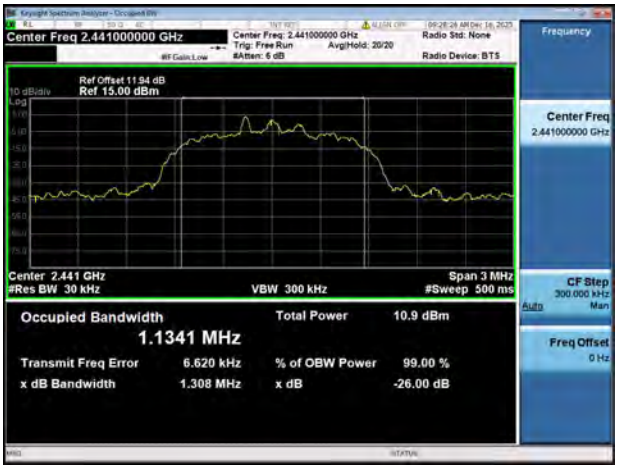
π/4-DQPSK HIGH CHANNEL



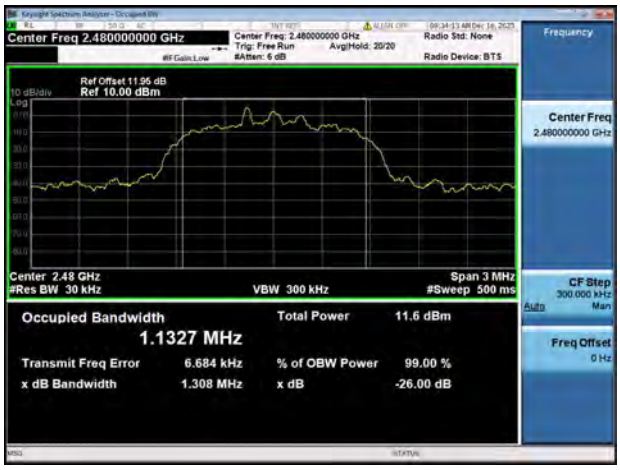
8-DPSK LOW CHANNEL



8-DPSK MIDDLE CHANNEL



8-DPSK HIGH CHANNEL



A.4 Hopping Frequency Separation

Test Data

Left Ear

Mode	Frequency separation (MHz)	2/3 of the 20 dB Bandwidth (MHz)	Verdict
GFSK	1.000	0.640	Pass
8-DPSK	1.000	0.810	Pass

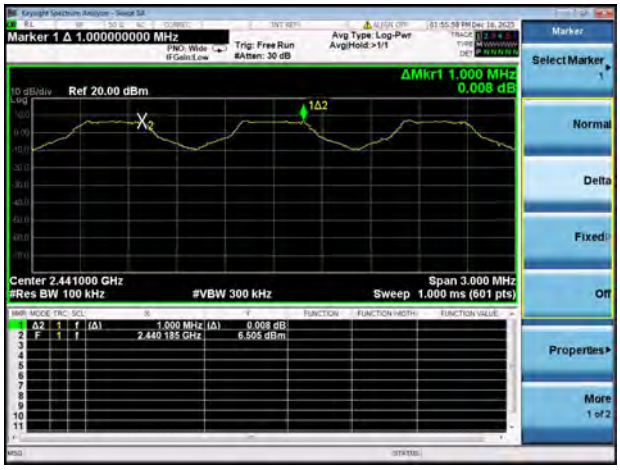
Right Ear

Mode	Frequency separation (MHz)	2/3 of the 20 dB Bandwidth (MHz)	Verdict
GFSK	1.000	0.640	Pass
8-DPSK	1.010	0.805	Pass

Test Plots

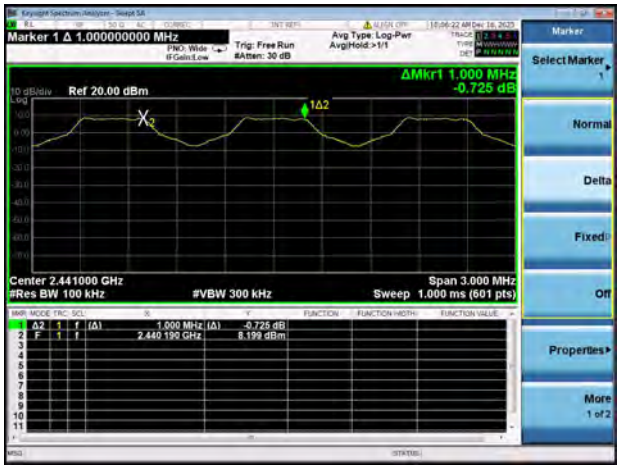
Left Ear

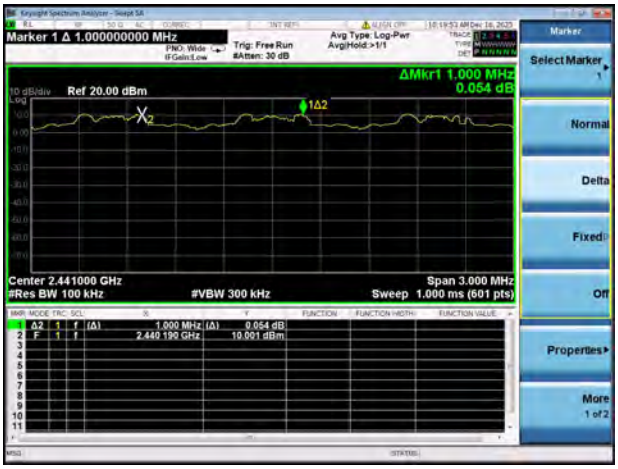
GFSK	8-DPSK



Right Ear

GFSK	8-DPSK





A.5 Average Time of Occupancy

Test Data

Left Ear

GFSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.36960	118.272	0.4	Pass
DH 3	1.61700	258.720	0.4	Pass
DH 5	2.86800	305.920	0.4	Pass
8-DPSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
3DH 1	0.37920	121.344	0.4	Pass
3DH 3	1.63100	260.960	0.4	Pass
3DH 5	2.88000	307.200	0.4	Pass
AFH Mode				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.36960	59.136	0.4	Pass
DH 3	1.62400	129.920	0.4	Pass
DH 5	2.86800	152.960	0.4	Pass

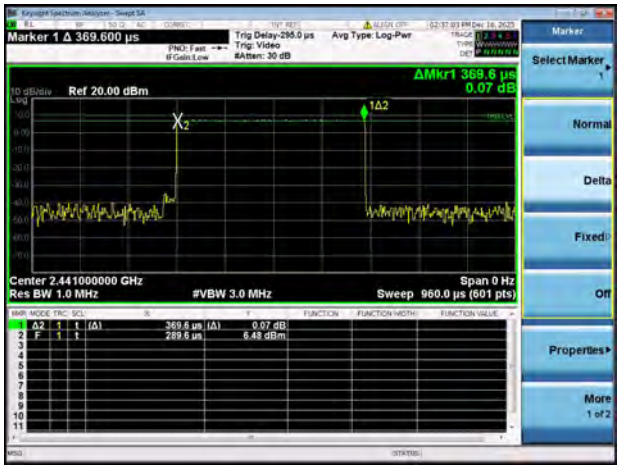
Right Ear

GFSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.37120	118.784	0.4	Pass
DH 3	1.62400	259.840	0.4	Pass
DH 5	2.86800	305.920	0.4	Pass
8-DPSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
3DH 1	0.37920	121.344	0.4	Pass
3DH 3	1.62400	259.840	0.4	Pass
3DH 5	2.88000	307.200	0.4	Pass
AFH Mode				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.36960	59.136	0.4	Pass
DH 3	1.61700	129.360	0.4	Pass
DH 5	2.85600	152.320	0.4	Pass

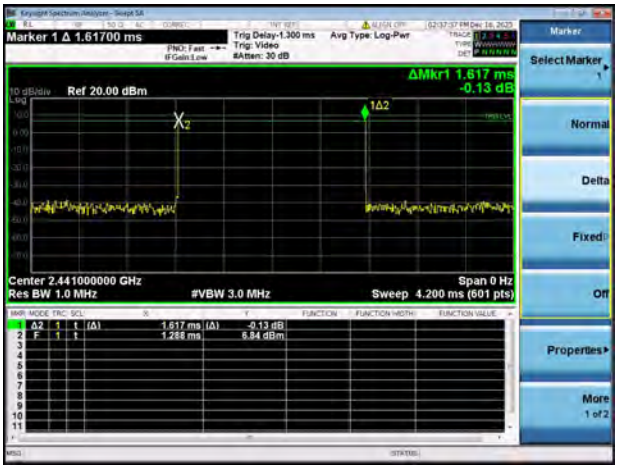
Test Plots

Left Ear

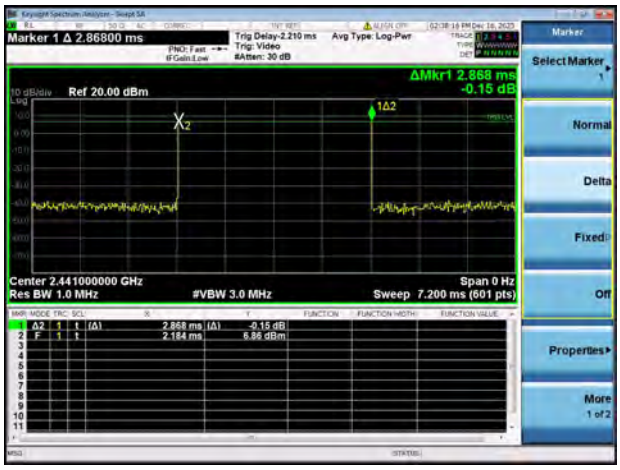
GFSK DH1



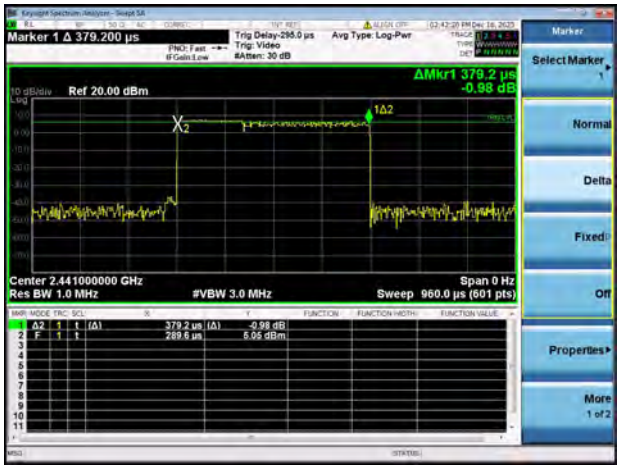
GFSK DH3



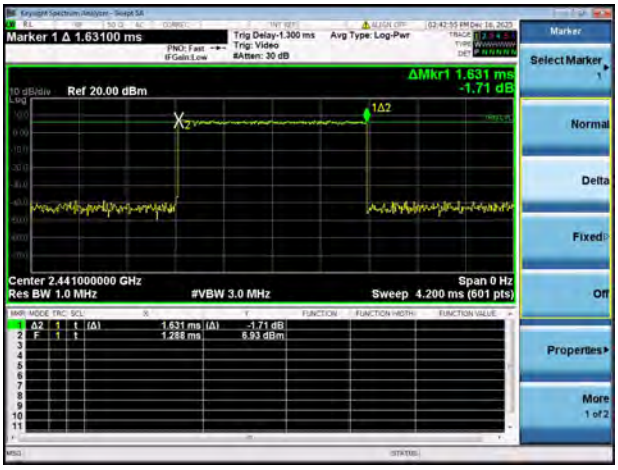
GFSK DH5



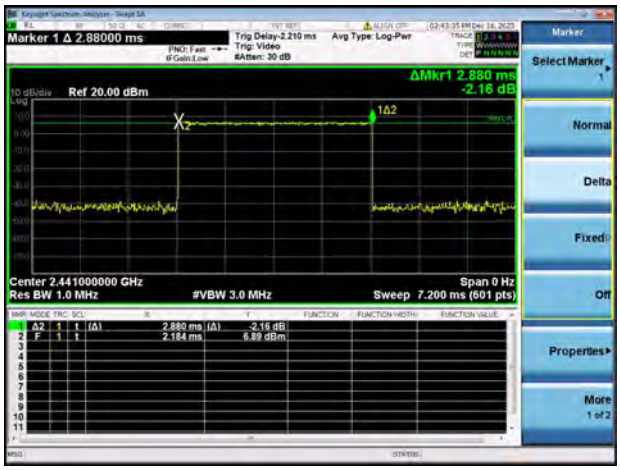
8-DPSK 3DH1



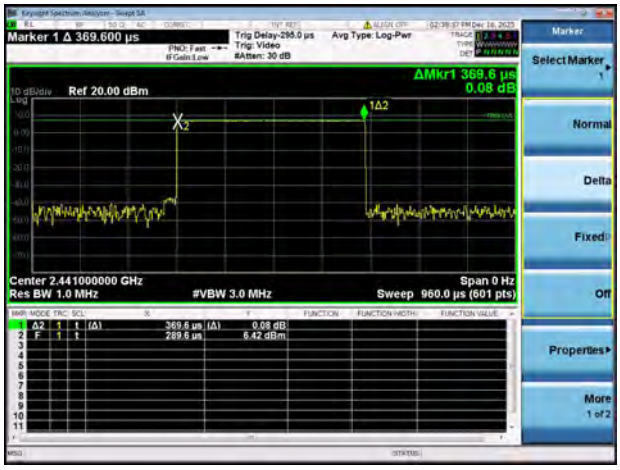
8-DPSK 3DH3



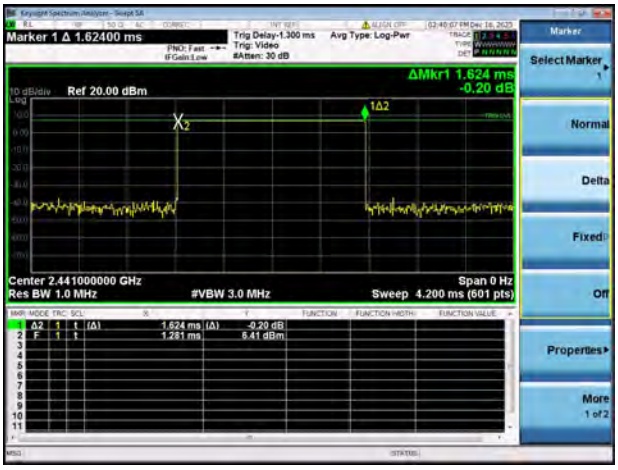
8-DPSK 3DH5



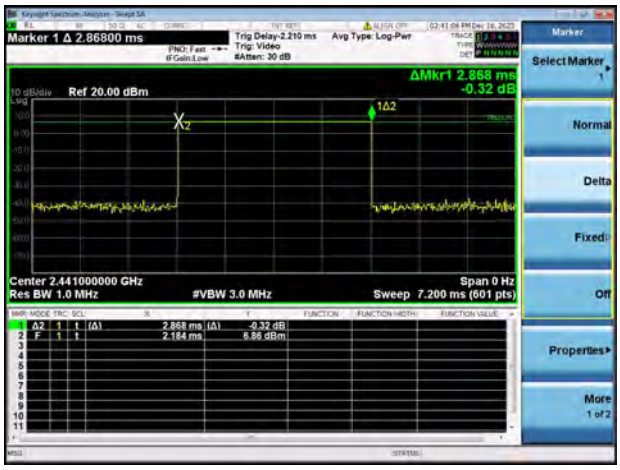
AFH Mode DH1



AFH Mode DH3

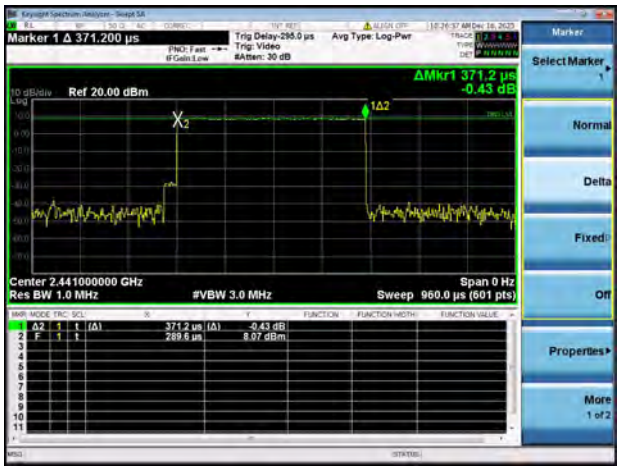


AFH Mode DH5

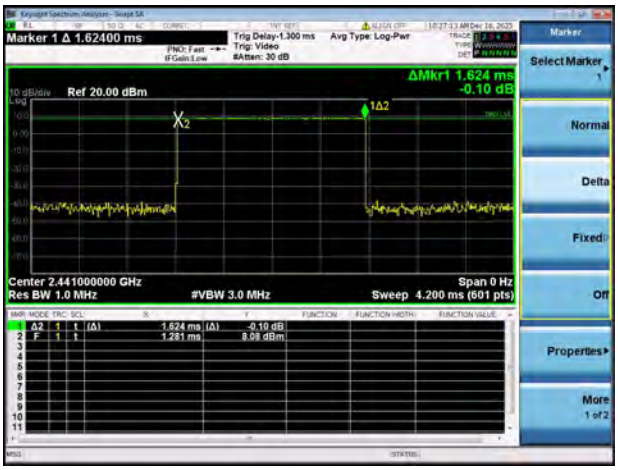


Right Ear

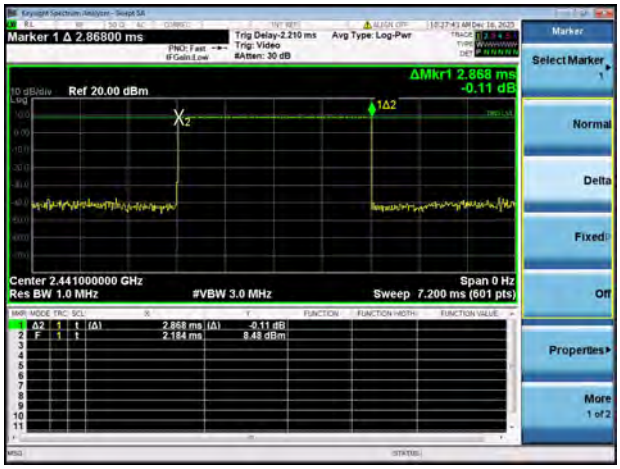
GFSK DH1



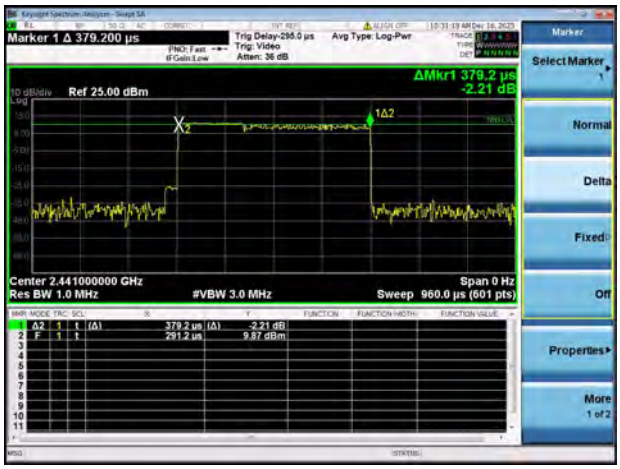
GFSK DH3



GFSK DH5



8-DPSK 3DH1



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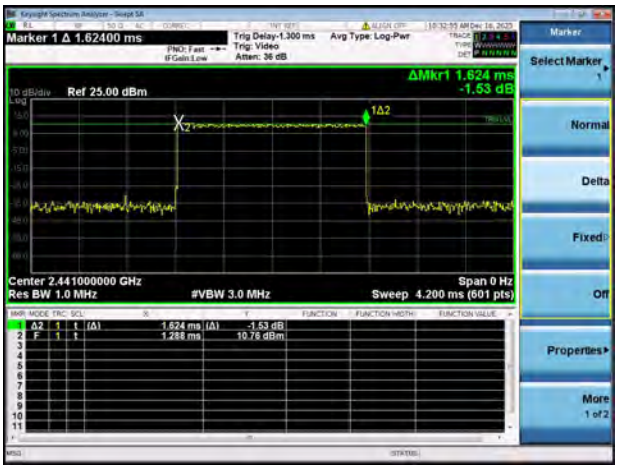
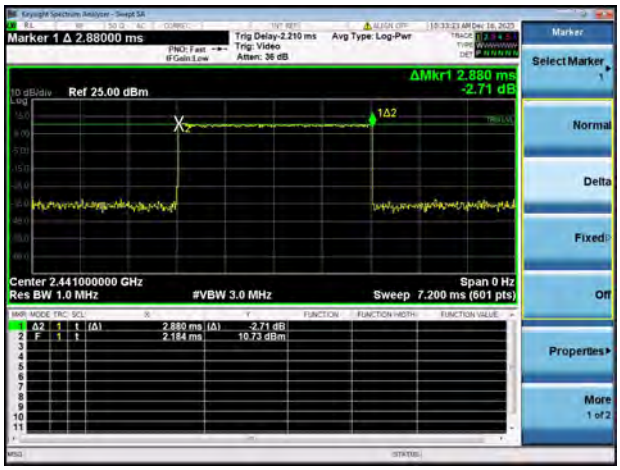
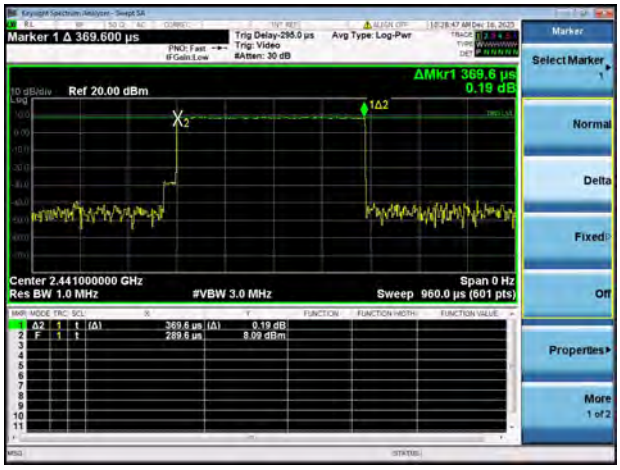


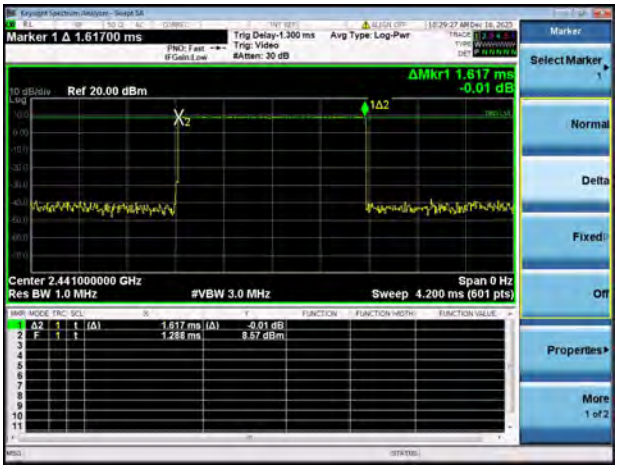
8-DPSK 3DH5



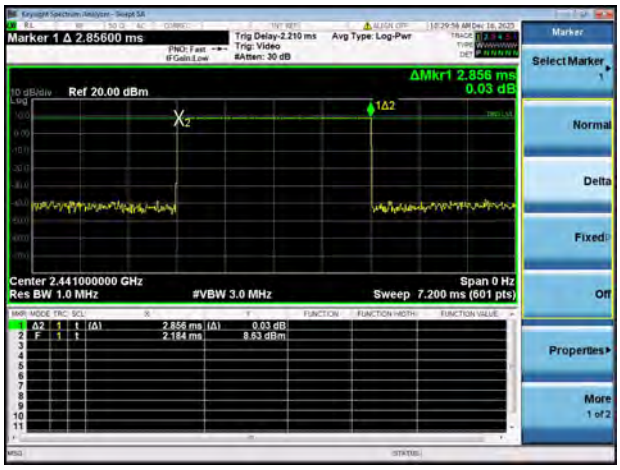
AFH Mode DH1



AFH Mode DH3



AFH Mode DH5



A.6 Conducted Spurious Emissions & Authorized-band band-edge

Test Data

Left Ear

GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-35.73	7.21	-12.79	Pass
Middle	-34.19	7.13	-12.87	Pass
High	-37.73	7.41	-12.59	Pass
8-DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-39.32	7.07	-12.93	Pass
Middle	-40.43	6.97	-13.03	Pass
High	-41.16	7.28	-12.72	Pass

Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-34.59	7.31	-12.69	Pass
8-DPSK	-38.80	7.18	-12.82	Pass

Right Ear

GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-34.99	8.47	-11.53	Pass
Middle	-35.67	8.56	-11.44	Pass
High	-31.76	9.14	-10.86	Pass
8-DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.69	10.57	-9.43	Pass
Middle	-32.39	10.67	-9.33	Pass
High	-36.59	11.28	-8.72	Pass

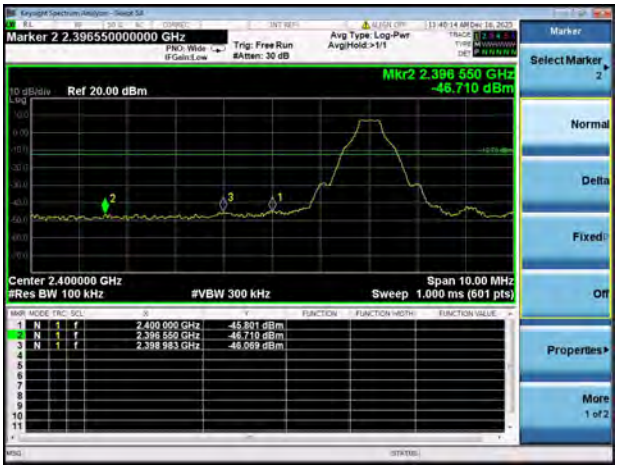
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-31.55	9.05	-10.95	Pass
8-DPSK	-33.71	11.22	-8.78	Pass

Test Plots

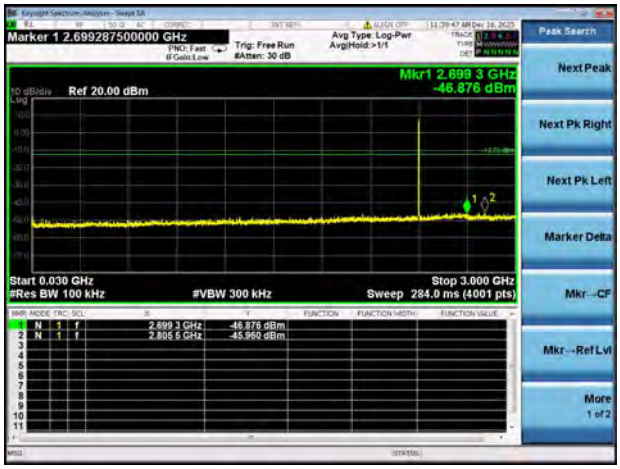
Left Ear

GFSK LOW CHANNEL, CARRIER LEVEL

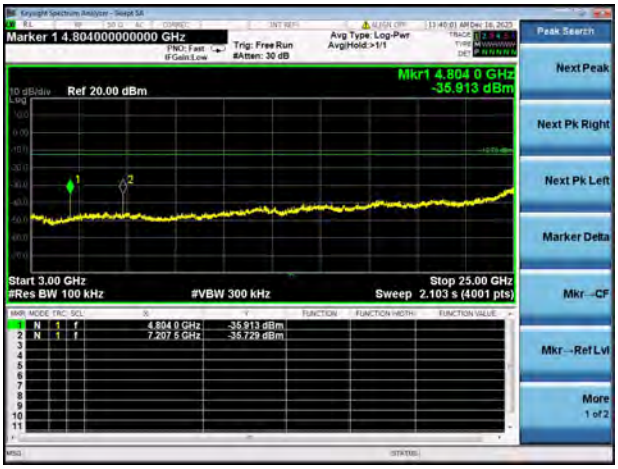
GFSK LOW CHANNEL, BAND EDGE



GFSK LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

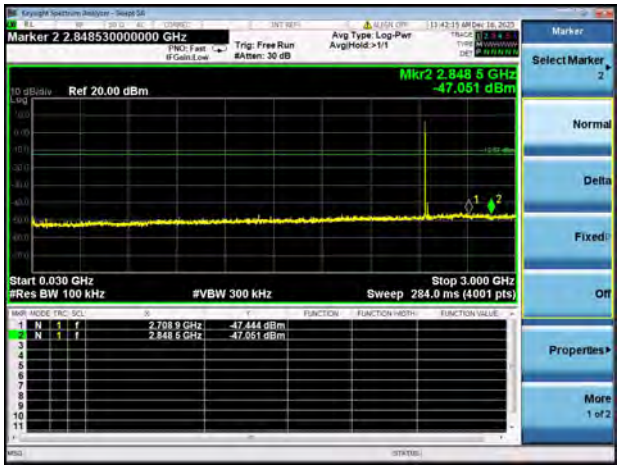


GFSK LOW CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

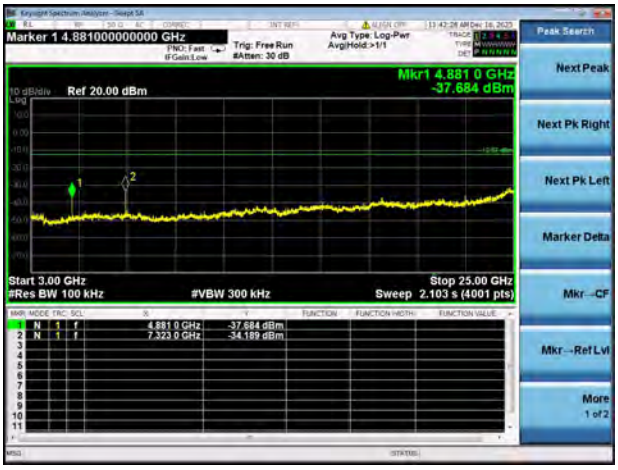


GFSK MIDDLE CHANNEL, CARRIER LEVEL

GFSK MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

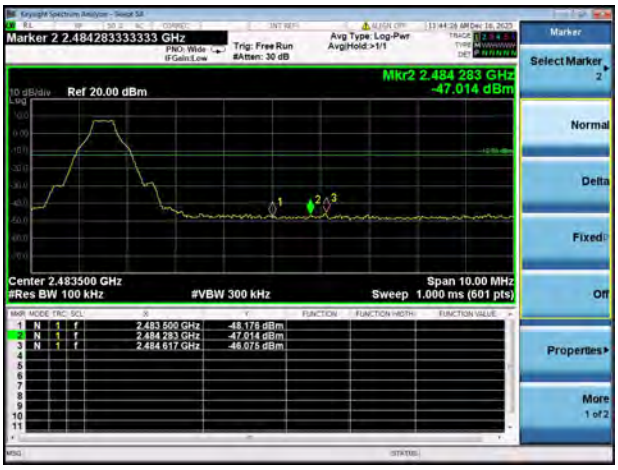


GFSK MIDDLE CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

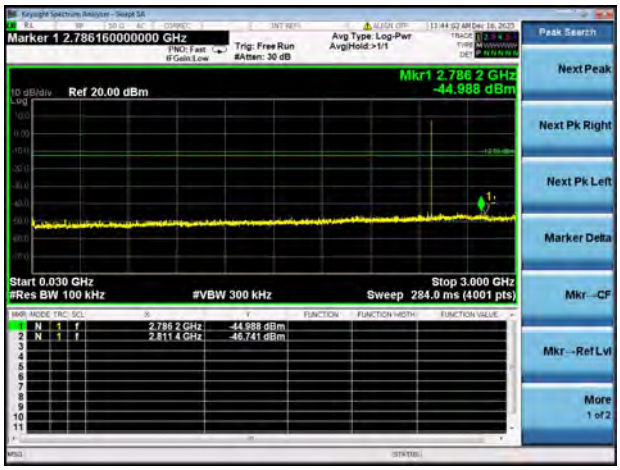


GFSK HIGH CHANNEL, CARRIER LEVEL

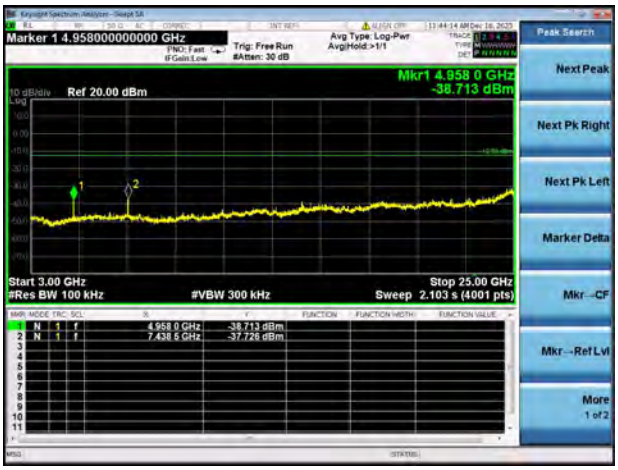
GFSK HIGH CHANNEL, BAND EDGE



GFSK HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



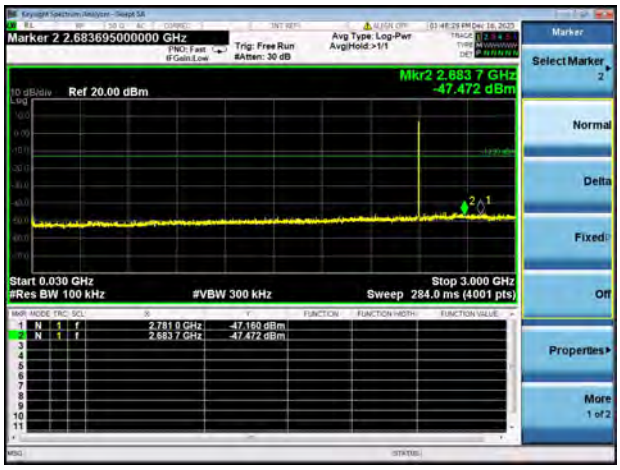
GFSK HIGH CHANNEL, SPURIOUS
3 GHz ~ 25 GHz



8-DPSK LOW CHANNEL, CARRIER LEVEL

8-DPSK LOW CHANNEL, BAND EDGE

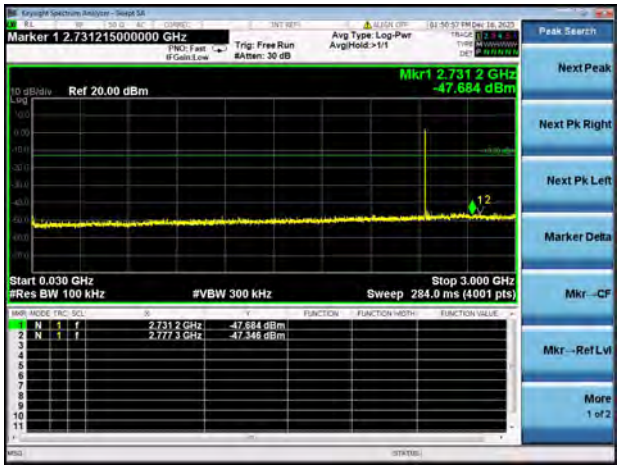
8-DPSK LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



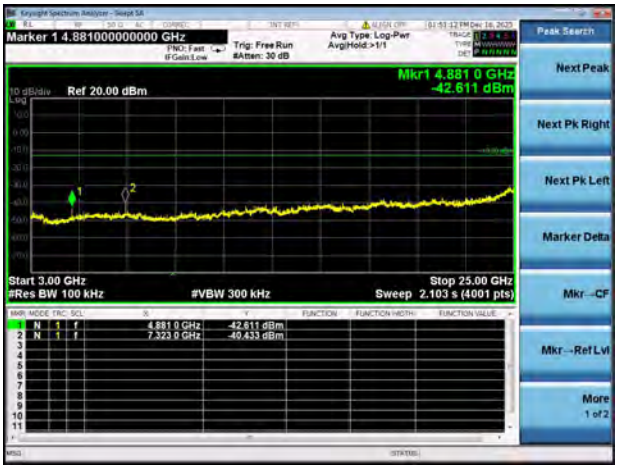
8-DPSK LOW CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

8-DPSK MIDDLE CHANNEL, CARRIER LEVEL

8-DPSK MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

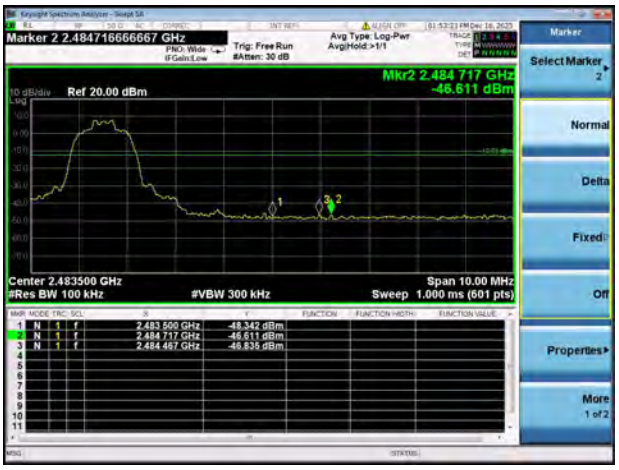


8-DPSK MIDDLE CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

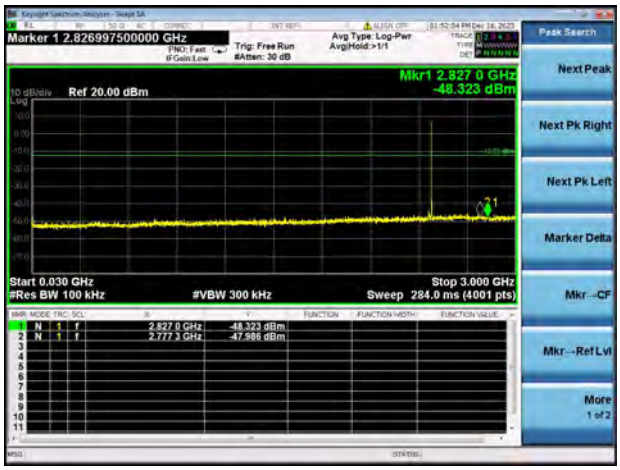


8-DPSK HIGH CHANNEL, CARRIER LEVEL

8-DPSK HIGH CHANNEL, BAND EDGE

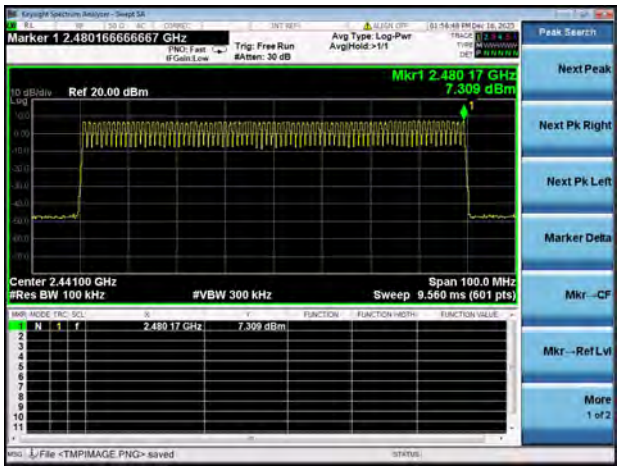


8-DPSK HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

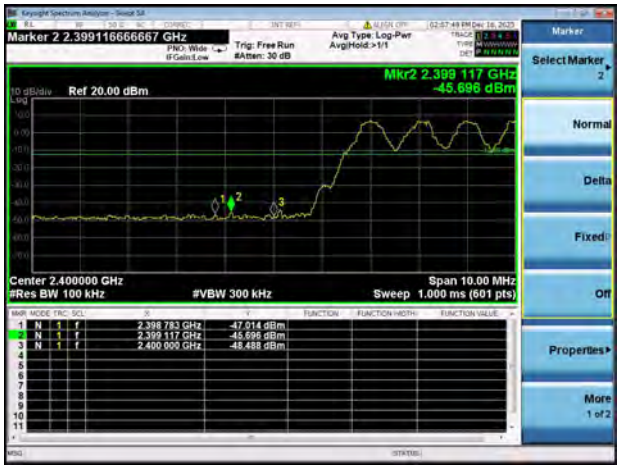


8-DPSK HIGH CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

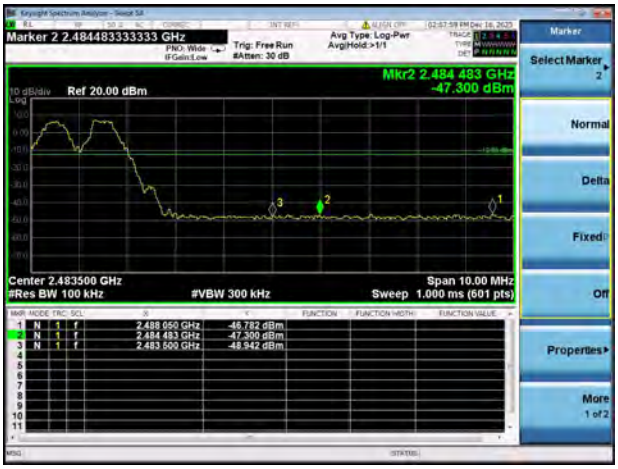
GFSK HOPPING, CARRIER LEVEL



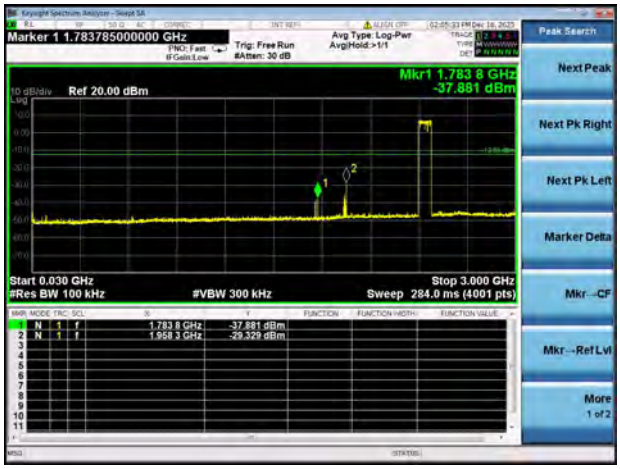
GFSK HOPPING BAND EDGE (LOW)



GFSK HOPPING BAND EDGE (HIGH)

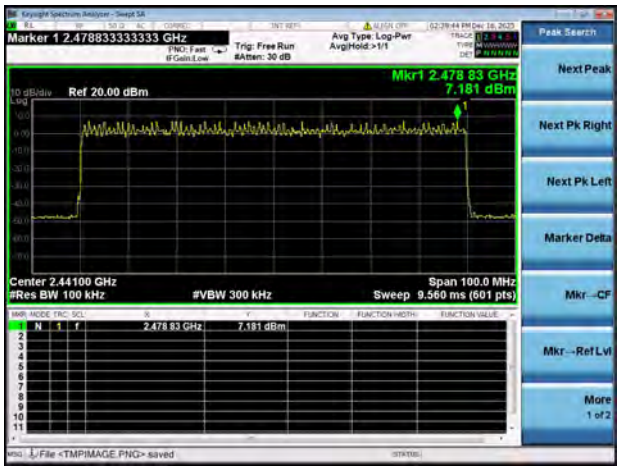


GFSK Hopping Mode, SPURIOUS 30 MHz ~ 3 GHz



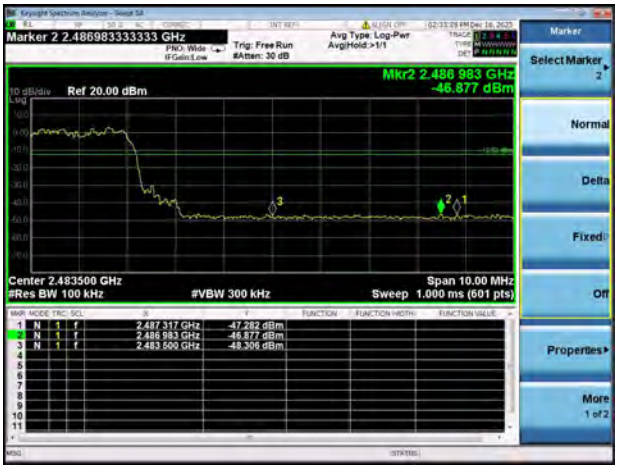
GFSK Hopping Mode, SPURIOUS 3GHz ~ 25 GHz

8-DPSK HOPPING, CARRIER LEVEL

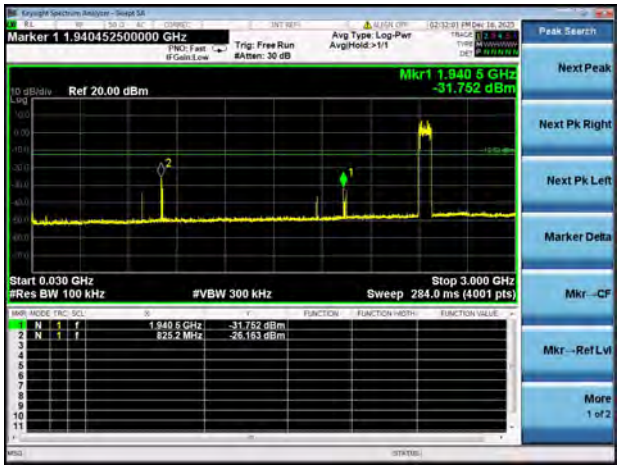


8-DPSK Hopping BAND EDGE (LOW)

8-DPSK Hopping BAND EDGE (HIGH)



8-DPSK Hopping Mode, SPURIOUS 30 MHz ~ 3 GHz

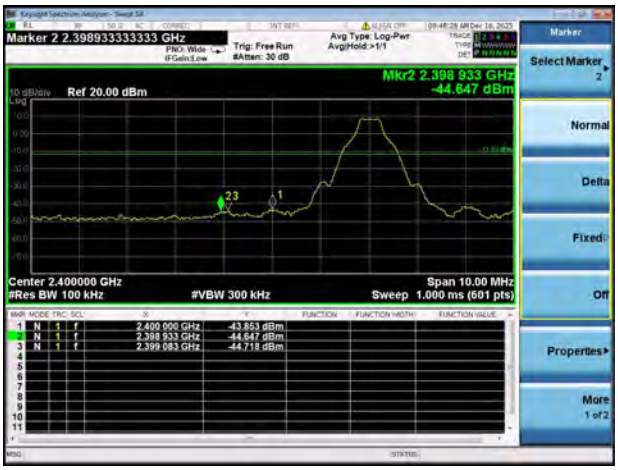


8-DPSK Hopping Mode, SPURIOUS 3GHz ~ 25 GHz

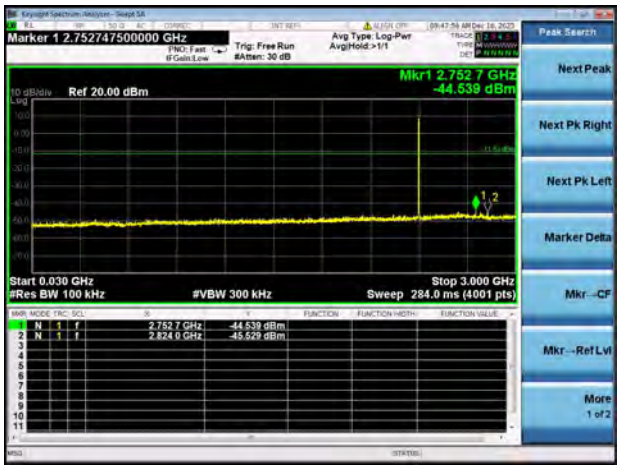
Right Ear

GFSK LOW CHANNEL, CARRIER LEVEL

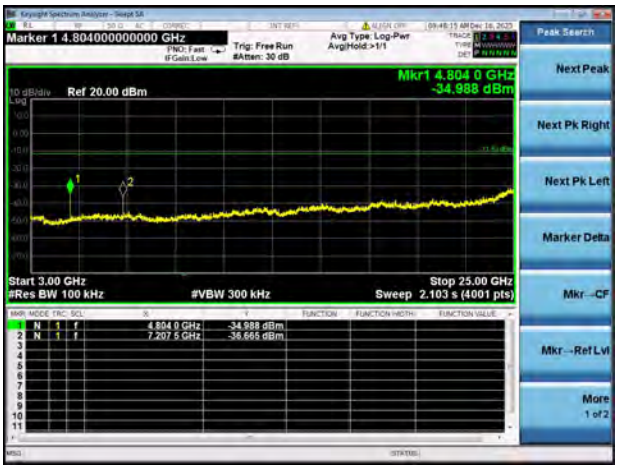
GFSK LOW CHANNEL, BAND EDGE



GFSK LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

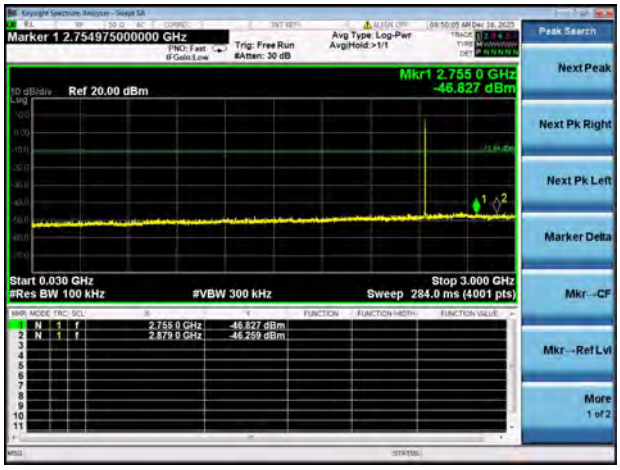


GFSK LOW CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

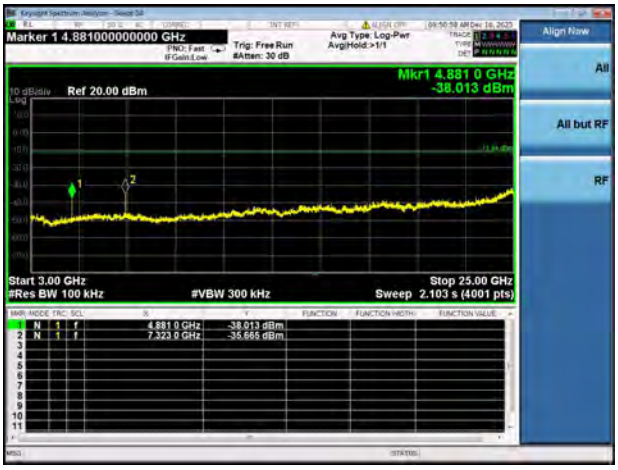


GFSK MIDDLE CHANNEL, CARRIER LEVEL

GFSK MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



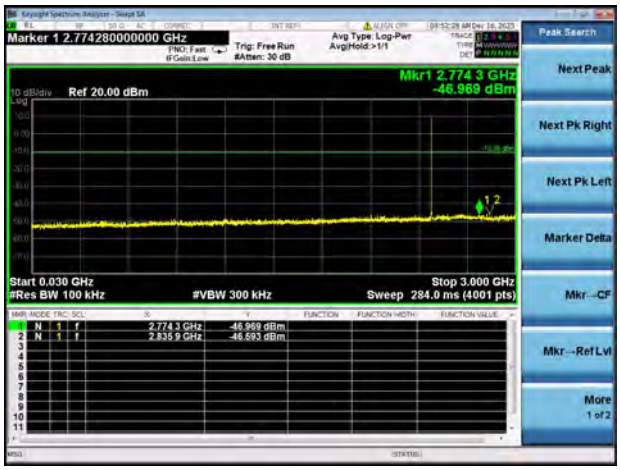
GFSK MIDDLE CHANNEL, SPURIOUS
3 GHz ~ 25 GHz



GFSK HIGH CHANNEL, CARRIER LEVEL

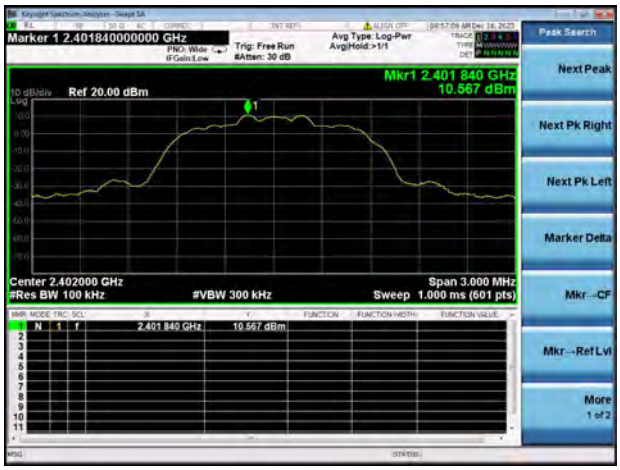
GFSK HIGH CHANNEL, BAND EDGE

GFSK HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



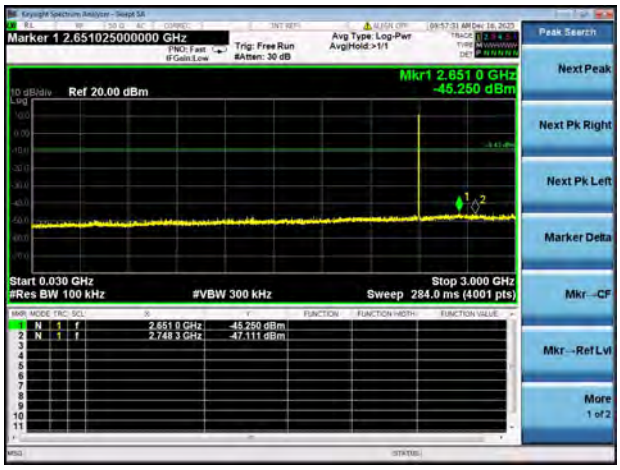
GFSK HIGH CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

8-DPSK LOW CHANNEL, CARRIER LEVEL

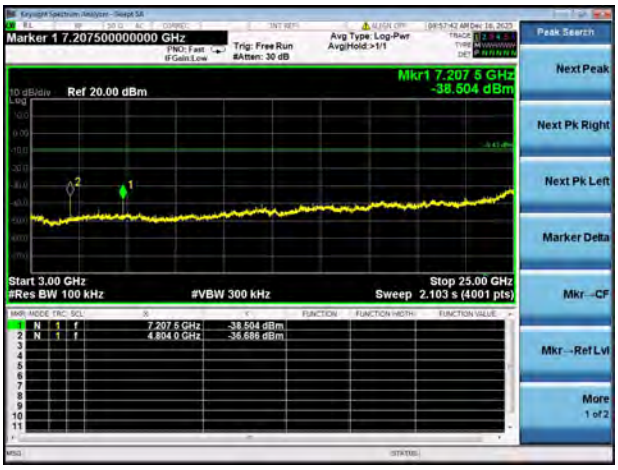


8-DPSK LOW CHANNEL, BAND EDGE

8-DPSK LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

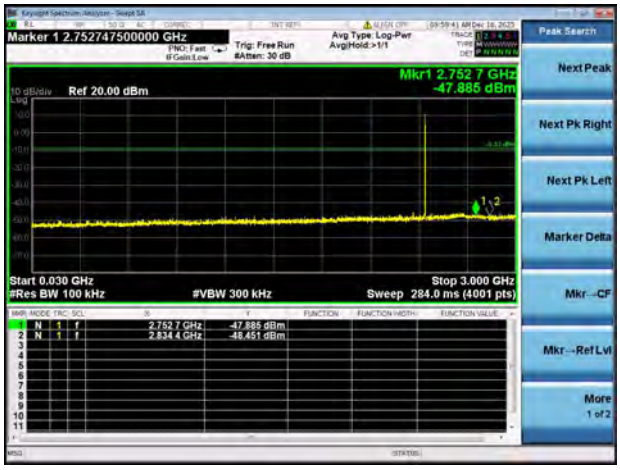


8-DPSK LOW CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

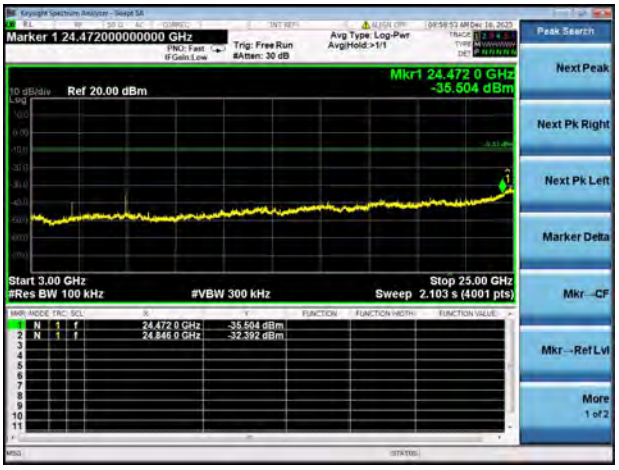


8-DPSK MIDDLE CHANNEL, CARRIER LEVEL

8-DPSK MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



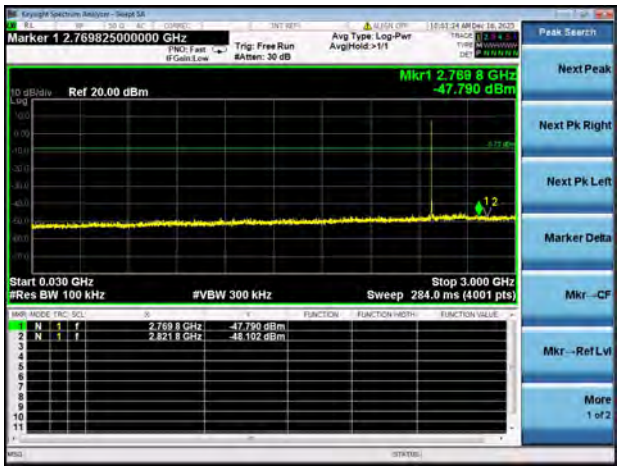
8-DPSK MIDDLE CHANNEL, SPURIOUS
3 GHz ~ 25 GHz



8-DPSK HIGH CHANNEL, CARRIER LEVEL

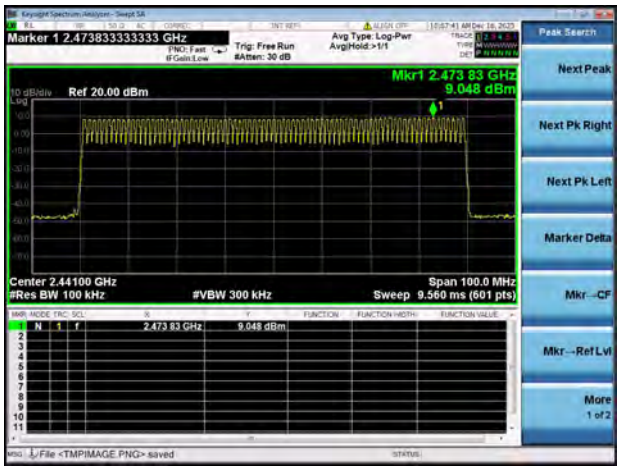
8-DPSK HIGH CHANNEL, BAND EDGE

8-DPSK HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz



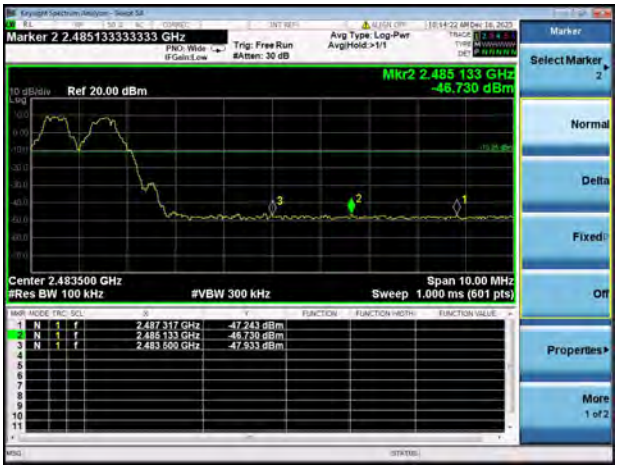
8-DPSK HIGH CHANNEL, SPURIOUS
3 GHz ~ 25 GHz

GFSK HOPPING, CARRIER LEVEL

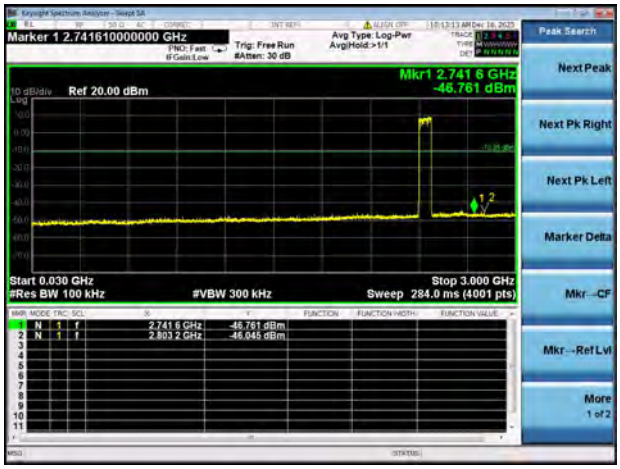


GFSK HOPPING BAND EDGE (LOW)

GFSK HOPPING BAND EDGE (HIGH)

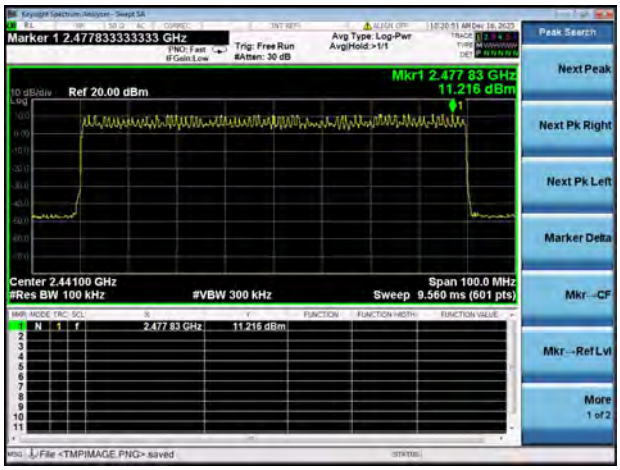


GFSK Hopping Mode, SPURIOUS 30 MHz ~ 3 GHz



GFSK Hopping Mode, SPURIOUS 3GHz ~ 25 GHz

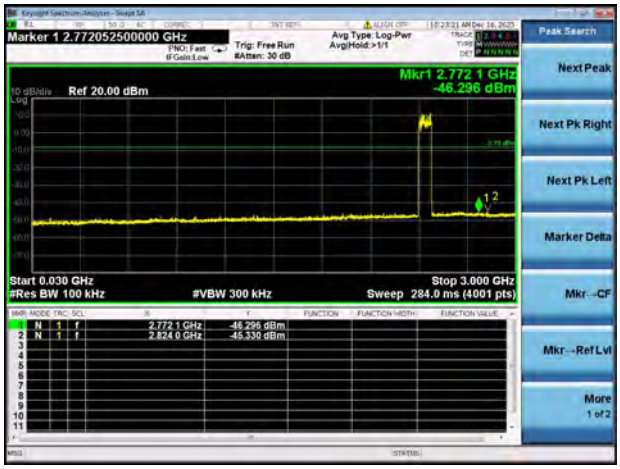
8-DPSK HOPPING, CARRIER LEVEL



8-DPSK Hopping BAND EDGE (LOW)

8-DPSK Hopping BAND EDGE (HIGH)

8-DPSK Hopping Mode, SPURIOUS 30 MHz ~ 3 GHz



8-DPSK Hopping Mode, SPURIOUS 3GHz ~ 25 GHz

A.7 Conducted Emissions

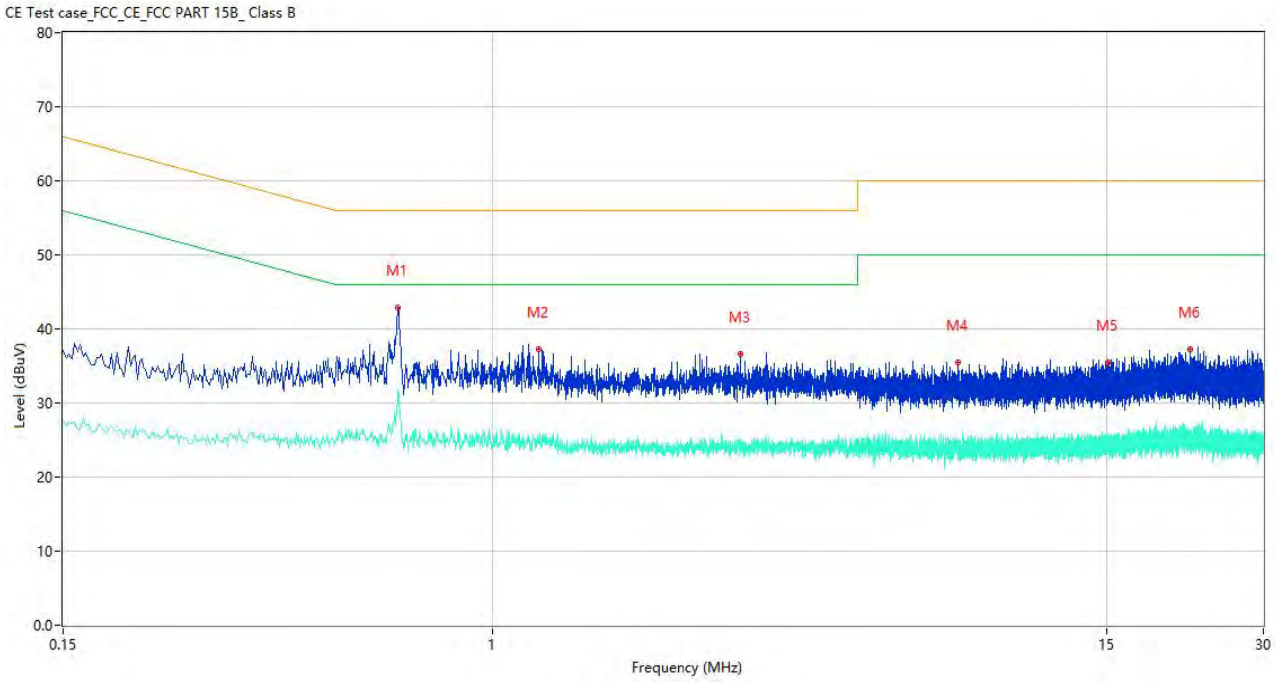
Note [1]: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note [2]: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note [3]: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

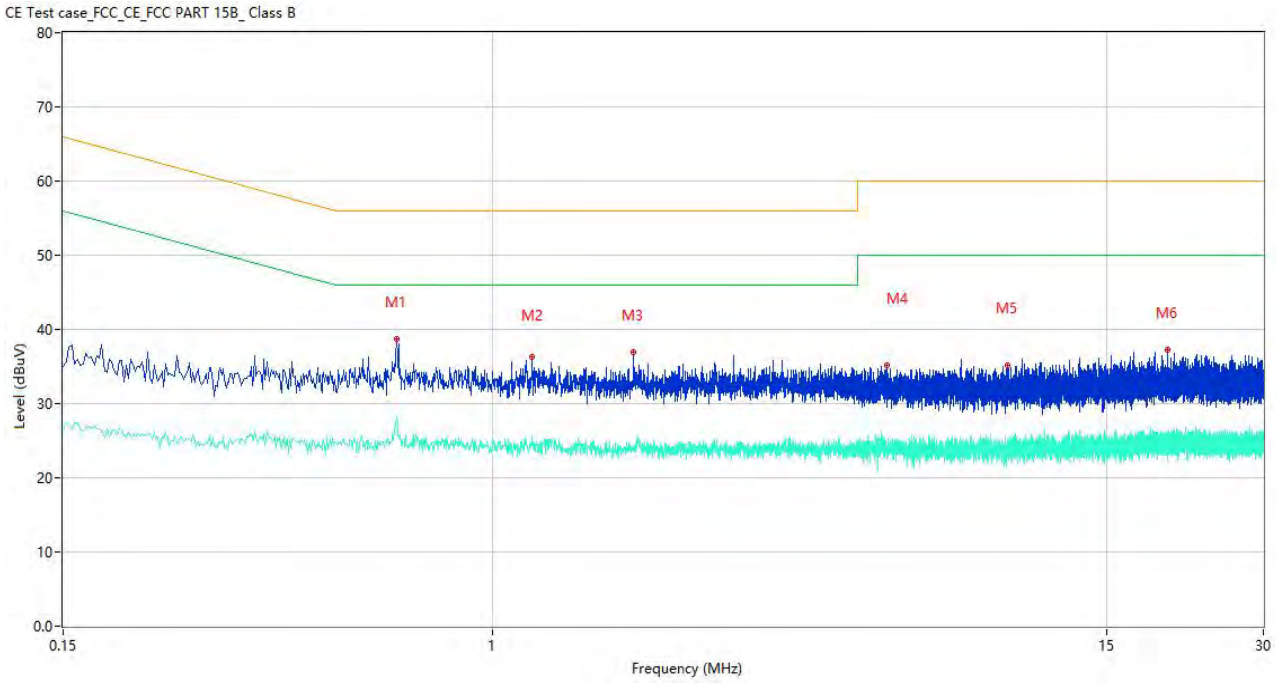
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.656	42.86	10.32	56.00	13.14	Peak	L	Pass
1**	0.656	31.12	10.32	46.00	14.88	AV	L	Pass
2	1.224	37.23	10.23	56.00	18.77	Peak	L	Pass
2**	1.224	25.32	10.23	46.00	20.68	AV	L	Pass
3	2.980	36.61	10.31	56.00	19.39	Peak	L	Pass
3**	2.980	24.12	10.31	46.00	21.88	AV	L	Pass
4	7.780	35.56	10.41	60.00	24.44	Peak	L	Pass
4**	7.780	24.59	10.41	50.00	25.41	AV	L	Pass
5	15.122	35.46	10.83	60.00	24.54	Peak	L	Pass
5**	15.122	24.05	10.83	50.00	25.95	AV	L	Pass
6	21.690	37.24	11.13	60.00	22.76	Peak	L	Pass
6**	21.690	25.78	11.13	50.00	24.22	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.654	38.70	10.30	56.00	17.30	Peak	N	Pass
1**	0.654	28.17	10.30	46.00	17.83	AV	N	Pass
2	1.190	36.26	10.05	56.00	19.74	Peak	N	Pass
2**	1.190	25.62	10.05	46.00	20.38	AV	N	Pass
3	1.860	36.94	10.29	56.00	19.06	Peak	N	Pass
3**	1.860	23.78	10.29	46.00	22.22	AV	N	Pass
4	5.688	35.15	10.17	60.00	24.85	Peak	N	Pass
4**	5.688	23.71	10.17	50.00	26.29	AV	N	Pass
5	9.700	35.10	10.55	60.00	24.90	Peak	N	Pass
5**	9.700	24.34	10.55	50.00	25.66	AV	N	Pass
6	19.668	37.32	10.93	60.00	22.68	Peak	N	Pass
6**	19.668	24.96	10.93	50.00	25.04	AV	N	Pass

A.8 Radiated Spurious Emission

Note [1]: The symbol of "--" in the table which means not application.

Note [2]: For the test data above 1 GHz, according the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

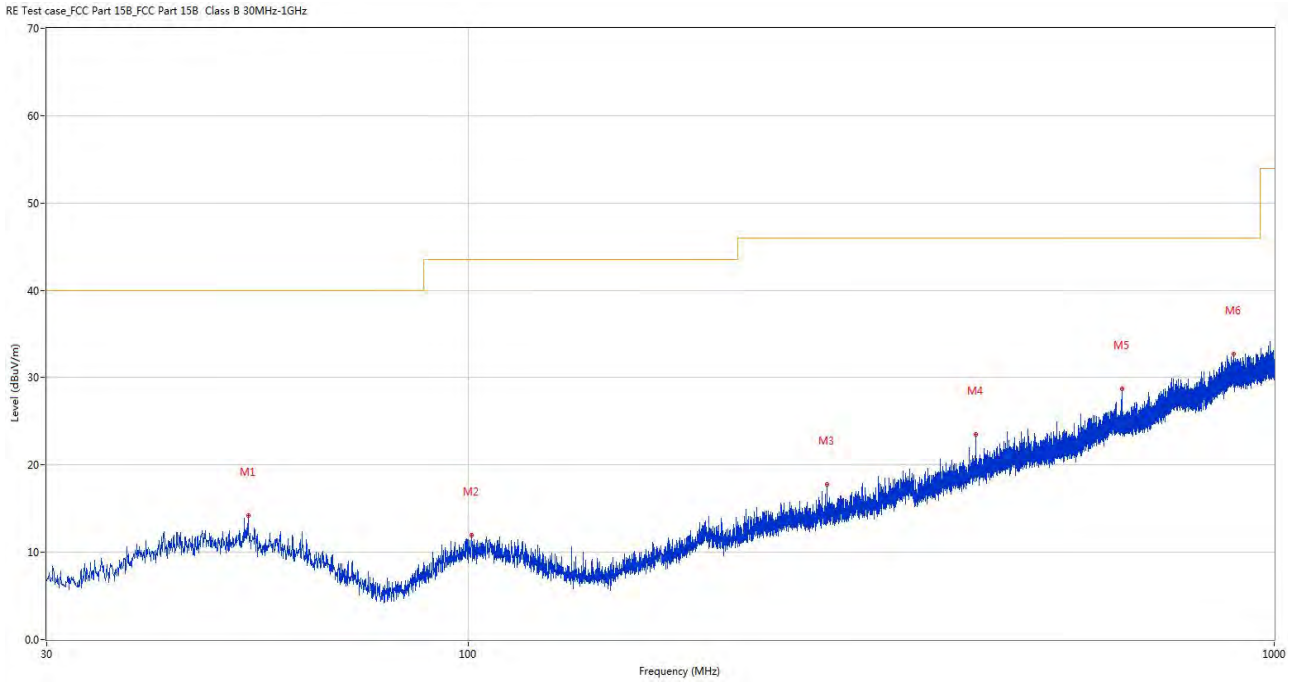
Note [3]: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and DH5-Hopping mode is the worst.

Note [4]: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

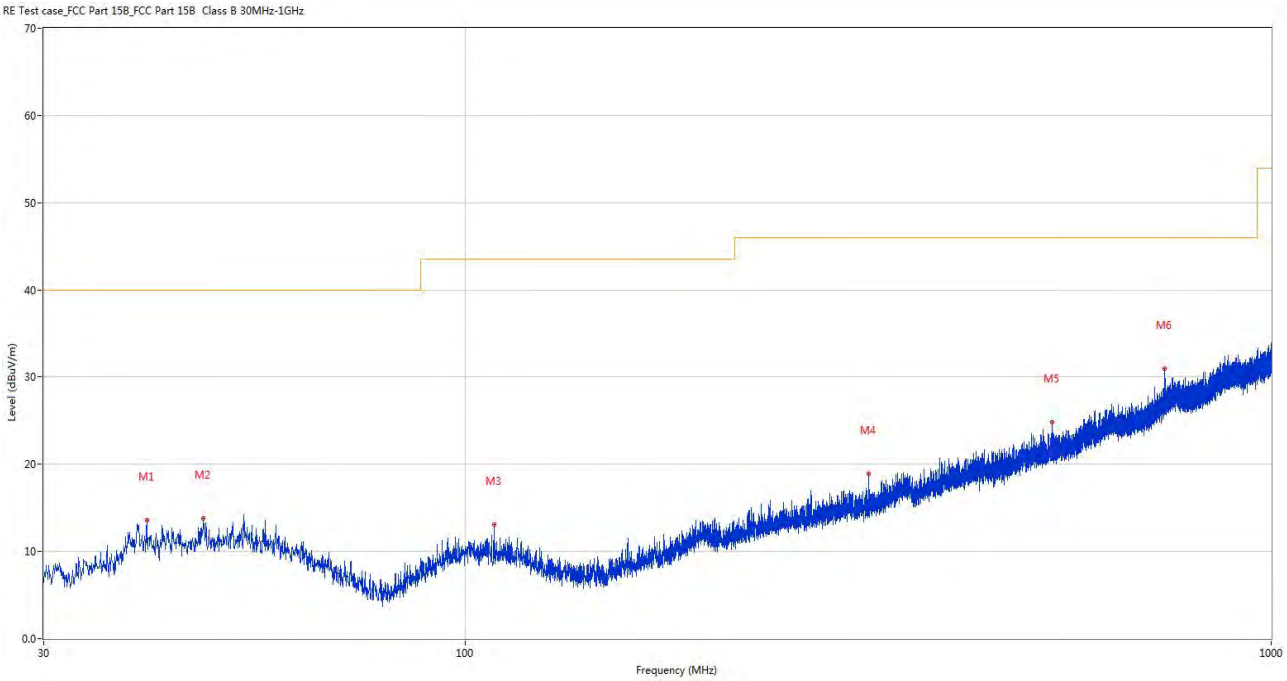
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	53.377	14.18	-24.15	40.0	25.82	Peak	53.40	100	Horizontal	Pass
2	101.004	11.93	-25.45	43.5	31.57	Peak	326.40	100	Horizontal	Pass
3	278.562	17.82	-22.03	46.0	28.18	Peak	350.80	100	Horizontal	Pass
4	426.778	23.53	-17.55	46.0	22.47	Peak	144.20	100	Horizontal	Pass
5	647.890	28.68	-11.78	46.0	17.32	Peak	334.70	100	Horizontal	Pass
6	889.808	32.75	-6.18	46.0	13.25	Peak	157.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

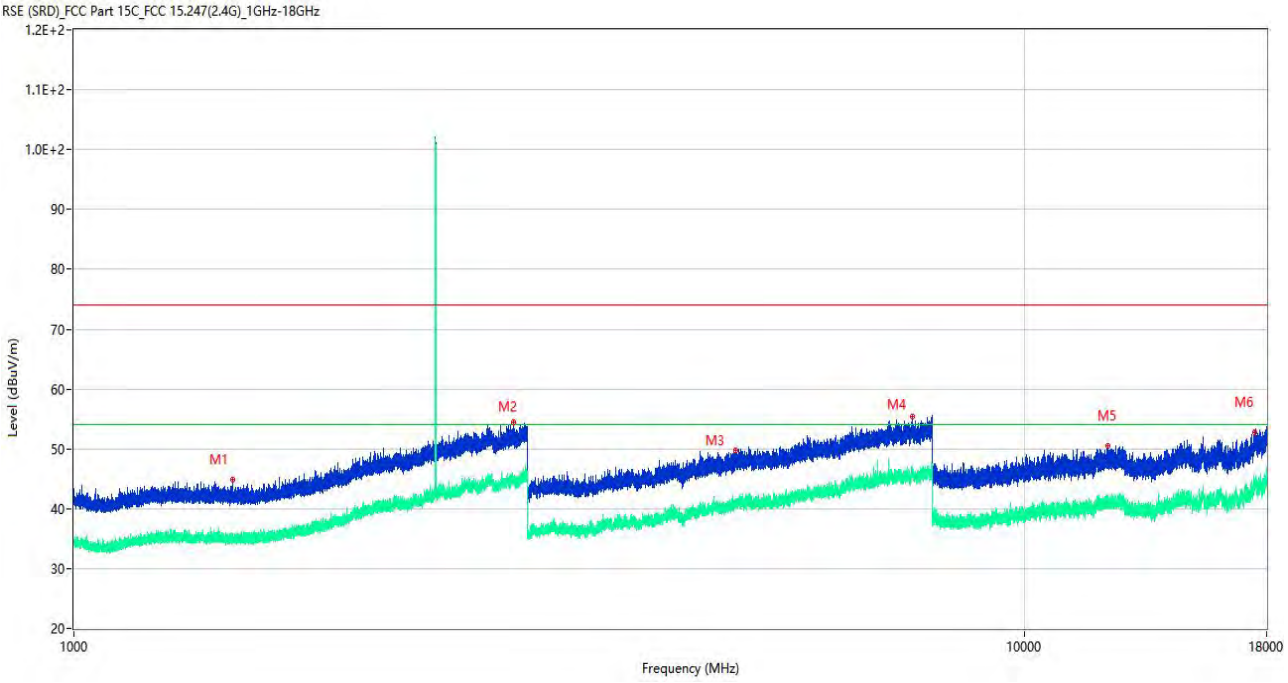


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	40.282	13.55	-25.61	40.0	26.45	Peak	206.10	100	Vertical	Pass
2	47.315	13.78	-24.15	40.0	26.22	Peak	347.80	100	Vertical	Pass
3	108.715	13.09	-25.82	43.5	30.41	Peak	305.90	100	Vertical	Pass
4	316.878	18.92	-21.06	46.0	27.08	Peak	93.40	100	Vertical	Pass
5	534.788	24.81	-14.91	46.0	21.19	Peak	246.00	100	Vertical	Pass
6	737.615	30.95	-9.54	46.0	15.05	Peak	333.60	100	Vertical	Pass

Note [1]: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note [2]: The spurious from 18GHz-25GHz is noise only, do not show on the report.

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1473.535	45.03	74.0	28.97	Peak	23.00	300	Horizontal	Pass
1**	1473.535	35.07	54.0	18.93	AV	23.00	300	Horizontal	Pass
2	2900.696	54.74	74.0	19.27	Peak	297.00	100	Horizontal	Pass
2**	2900.696	44.86	54.0	9.14	AV	297.00	100	Horizontal	Pass
3	4976.488	50.02	74.0	23.98	Peak	177.00	200	Horizontal	Pass
3**	4976.488	41.34	54.0	12.66	AV	177.00	200	Horizontal	Pass
4	7638.032	55.37	74.0	18.63	Peak	290.00	400	Horizontal	Pass
4**	7638.032	45.68	54.0	8.32	AV	290.00	400	Horizontal	Pass
5	12265.571	50.63	74.0	23.38	Peak	306.00	100	Horizontal	Pass
5**	12265.571	41.52	54.0	12.48	AV	306.00	100	Horizontal	Pass
6	17486.035	53.01	74.0	20.99	Peak	330.00	300	Horizontal	Pass
6**	17486.035	44.38	54.0	9.62	AV	330.00	300	Horizontal	Pass

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1460.506	42.38	74.0	31.62	Peak	41.00	300	Vertical	Pass
1**	1460.506	34.97	54.0	19.03	AV	41.00	300	Vertical	Pass
2	2991.144	50.11	74.0	23.89	Peak	84.00	400	Vertical	Pass
2**	2991.144	40.50	54.0	13.50	AV	84.00	400	Vertical	Pass
3	6804.933	50.19	74.0	23.81	Peak	6.00	200	Vertical	Pass
3**	6804.933	40.93	54.0	13.07	AV	6.00	200	Vertical	Pass
4	7967.636	58.78	74.0	15.22	Peak	156.00	100	Vertical	Pass
4**	7967.636	43.29	54.0	10.71	AV	156.00	100	Vertical	Pass
5	12491.803	51.46	74.0	22.54	Peak	252.00	200	Vertical	Pass
5**	12491.803	40.12	54.0	13.88	AV	252.00	200	Vertical	Pass
6	17096.556	52.76	74.0	21.24	Peak	283.00	300	Vertical	Pass
6**	17096.556	44.42	54.0	9.58	AV	283.00	300	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1468.394	44.04	74.0	29.96	Peak	151.00	100	Horizontal	Pass
1**	1468.394	34.65	54.0	19.35	AV	151.00	100	Horizontal	Pass
2	2899.036	53.89	74.0	20.12	Peak	301.00	200	Horizontal	Pass
2**	2899.036	44.34	54.0	9.66	AV	301.00	200	Horizontal	Pass
3	4979.173	49.90	74.0	24.10	Peak	301.00	200	Horizontal	Pass
3**	4979.173	41.29	54.0	12.71	AV	301.00	200	Horizontal	Pass
4	7637.946	55.13	74.0	18.87	Peak	36.00	200	Horizontal	Pass
4**	7637.946	45.54	54.0	8.46	AV	36.00	200	Horizontal	Pass
5	12264.844	50.06	74.0	23.95	Peak	232.00	200	Horizontal	Pass
5**	12264.844	41.05	54.0	12.95	AV	232.00	200	Horizontal	Pass
6	17485.666	52.88	74.0	21.12	Peak	358.00	100	Horizontal	Pass
6**	17485.666	44.23	54.0	9.77	AV	358.00	100	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1459.873	41.66	74.0	32.34	Peak	303.00	100	Vertical	Pass
1**	1459.873	34.07	54.0	19.93	AV	303.00	100	Vertical	Pass
2	2991.096	49.97	74.0	24.03	Peak	343.00	400	Vertical	Pass
2**	2991.096	39.62	54.0	14.38	AV	343.00	400	Vertical	Pass
3	6807.357	50.02	74.0	23.98	Peak	141.00	200	Vertical	Pass
3**	6807.357	40.42	54.0	13.58	AV	141.00	200	Vertical	Pass
4	7967.740	58.69	74.0	15.31	Peak	234.00	100	Vertical	Pass
4**	7967.740	42.95	54.0	11.05	AV	234.00	100	Vertical	Pass
5	12496.234	51.04	74.0	22.96	Peak	360.00	200	Vertical	Pass
5**	12496.234	39.86	54.0	14.14	AV	360.00	200	Vertical	Pass
6	17094.929	51.81	74.0	22.19	Peak	102.00	300	Vertical	Pass
6**	17094.929	43.46	54.0	10.54	AV	102.00	300	Vertical	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1470.057	44.81	74.0	29.19	Peak	19.00	200	Horizontal	Pass
1**	1470.057	34.46	54.0	19.54	AV	19.00	200	Horizontal	Pass
2	2898.679	54.57	74.0	19.44	Peak	107.00	100	Horizontal	Pass
2**	2898.679	44.38	54.0	9.62	AV	107.00	100	Horizontal	Pass
3	4976.628	49.41	74.0	24.59	Peak	52.00	200	Horizontal	Pass
3**	4976.628	40.35	54.0	13.65	AV	52.00	200	Horizontal	Pass
4	7637.433	55.20	74.0	18.80	Peak	163.00	400	Horizontal	Pass
4**	7637.433	44.76	54.0	9.24	AV	163.00	400	Horizontal	Pass
5	12265.639	50.51	74.0	23.50	Peak	136.00	100	Horizontal	Pass
5**	12265.639	40.87	54.0	13.13	AV	136.00	100	Horizontal	Pass
6	17486.499	52.74	74.0	21.26	Peak	18.00	300	Horizontal	Pass
6**	17486.499	44.18	54.0	9.82	AV	18.00	300	Horizontal	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1462.940	42.07	74.0	31.93	Peak	219.00	200	Vertical	Pass
1**	1462.940	34.11	54.0	19.89	AV	219.00	200	Vertical	Pass
2	2987.339	49.77	74.0	24.23	Peak	234.00	400	Vertical	Pass
2**	2987.339	40.10	54.0	13.90	AV	234.00	400	Vertical	Pass
3	6801.935	49.79	74.0	24.21	Peak	354.00	200	Vertical	Pass
3**	6801.935	40.42	54.0	13.58	AV	354.00	200	Vertical	Pass
4	7964.827	58.11	74.0	15.89	Peak	63.00	300	Vertical	Pass
4**	7964.827	42.66	54.0	11.34	AV	63.00	300	Vertical	Pass
5	12492.716	50.72	74.0	23.28	Peak	302.00	200	Vertical	Pass
5**	12492.716	39.51	54.0	14.49	AV	302.00	200	Vertical	Pass
6	17101.617	52.23	74.0	21.77	Peak	292.00	400	Vertical	Pass
6**	17101.617	44.07	54.0	9.93	AV	292.00	400	Vertical	Pass

8-DPSK LOW CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1284.474	45.00	74.0	29.00	Peak	257.00	400	Horizontal	Pass
1**	1284.474	34.89	54.0	19.11	AV	257.00	400	Horizontal	Pass
2	2767.047	53.91	74.0	20.10	Peak	150.00	300	Horizontal	Pass
2**	2767.047	44.37	54.0	9.63	AV	150.00	300	Horizontal	Pass
3	5171.167	49.73	74.0	24.27	Peak	60.00	200	Horizontal	Pass
3**	5171.167	40.77	54.0	13.23	AV	60.00	200	Horizontal	Pass
4	6803.515	55.04	74.0	18.96	Peak	293.00	300	Horizontal	Pass
4**	6803.515	44.97	54.0	9.03	AV	293.00	300	Horizontal	Pass
5	13469.395	50.14	74.0	23.87	Peak	229.00	100	Horizontal	Pass
5**	13469.395	41.27	54.0	12.73	AV	229.00	100	Horizontal	Pass
6	17464.164	52.30	74.0	21.70	Peak	189.00	100	Horizontal	Pass
6**	17464.164	43.68	54.0	10.32	AV	189.00	100	Horizontal	Pass

8-DPSK LOW CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1284.485	42.24	74.0	31.76	Peak	329.00	300	Vertical	Pass
1**	1284.485	34.48	54.0	19.52	AV	329.00	300	Vertical	Pass
2	2772.722	50.10	74.0	23.90	Peak	259.00	200	Vertical	Pass
2**	2772.722	39.70	54.0	14.30	AV	259.00	200	Vertical	Pass
3	5162.997	49.70	74.0	24.30	Peak	288.00	200	Vertical	Pass
3**	5162.997	40.40	54.0	13.60	AV	288.00	200	Vertical	Pass
4	6802.978	57.80	74.0	16.20	Peak	77.00	300	Vertical	Pass
4**	6802.978	42.66	54.0	11.34	AV	77.00	300	Vertical	Pass
5	13471.162	51.16	74.0	22.84	Peak	270.00	100	Vertical	Pass
5**	13471.162	39.34	54.0	14.66	AV	270.00	100	Vertical	Pass
6	17461.972	51.91	74.0	22.09	Peak	78.00	400	Vertical	Pass
6**	17461.972	43.52	54.0	10.48	AV	78.00	400	Vertical	Pass

8-DPSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1286.531	43.62	74.0	30.38	Peak	138.00	400	Horizontal	Pass
1**	1286.531	34.07	54.0	19.93	AV	138.00	400	Horizontal	Pass
2	2769.470	53.79	74.0	20.22	Peak	111.00	100	Horizontal	Pass
2**	2769.470	43.66	54.0	10.34	AV	111.00	100	Horizontal	Pass
3	5165.893	49.69	74.0	24.31	Peak	95.00	200	Horizontal	Pass
3**	5165.893	40.31	54.0	13.69	AV	95.00	200	Horizontal	Pass
4	6802.514	54.97	74.0	19.03	Peak	336.00	100	Horizontal	Pass
4**	6802.514	45.10	54.0	8.90	AV	336.00	100	Horizontal	Pass
5	13468.182	49.38	74.0	24.63	Peak	91.00	300	Horizontal	Pass
5**	13468.182	40.61	54.0	13.39	AV	91.00	300	Horizontal	Pass
6	17467.658	52.85	74.0	21.15	Peak	78.00	300	Horizontal	Pass
6**	17467.658	44.22	54.0	9.78	AV	78.00	300	Horizontal	Pass

8-DPSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1287.065	41.10	74.0	32.90	Peak	295.00	200	Vertical	Pass
1**	1287.065	33.29	54.0	20.71	AV	295.00	200	Vertical	Pass
2	2775.004	49.35	74.0	24.65	Peak	47.00	100	Vertical	Pass
2**	2775.004	39.56	54.0	14.44	AV	47.00	100	Vertical	Pass
3	5166.228	49.20	74.0	24.80	Peak	258.00	200	Vertical	Pass
3**	5166.228	39.47	54.0	14.53	AV	258.00	200	Vertical	Pass
4	6804.092	58.31	74.0	15.69	Peak	37.00	200	Vertical	Pass
4**	6804.092	42.07	54.0	11.93	AV	37.00	200	Vertical	Pass
5	13467.389	50.25	74.0	23.75	Peak	226.00	100	Vertical	Pass
5**	13467.389	38.86	54.0	15.14	AV	226.00	100	Vertical	Pass
6	17464.545	51.66	74.0	22.34	Peak	23.00	100	Vertical	Pass
6**	17464.545	42.55	54.0	11.45	AV	23.00	100	Vertical	Pass

8-DPSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1287.898	44.15	74.0	29.85	Peak	71.00	200	Horizontal	Pass
1**	1287.898	34.23	54.0	19.77	AV	71.00	200	Horizontal	Pass
2	2772.014	53.93	74.0	20.08	Peak	288.00	400	Horizontal	Pass
2**	2772.014	44.19	54.0	9.81	AV	288.00	400	Horizontal	Pass
3	5169.345	49.10	74.0	24.90	Peak	191.00	200	Horizontal	Pass
3**	5169.345	40.33	54.0	13.67	AV	191.00	200	Horizontal	Pass
4	6810.199	54.80	74.0	19.20	Peak	62.00	400	Horizontal	Pass
4**	6810.199	44.37	54.0	9.63	AV	62.00	400	Horizontal	Pass
5	13468.024	49.53	74.0	24.48	Peak	305.00	400	Horizontal	Pass
5**	13468.024	40.20	54.0	13.80	AV	305.00	400	Horizontal	Pass
6	17463.172	52.68	74.0	21.32	Peak	34.00	200	Horizontal	Pass
6**	17463.172	43.91	54.0	10.09	AV	34.00	200	Horizontal	Pass

8-DPSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1283.094	41.39	74.0	32.61	Peak	87.00	200	Vertical	Pass
1**	1283.094	33.73	54.0	20.27	AV	87.00	200	Vertical	Pass
2	2774.754	49.70	74.0	24.30	Peak	208.00	400	Vertical	Pass
2**	2774.754	39.88	54.0	14.12	AV	208.00	400	Vertical	Pass
3	5167.960	49.57	74.0	24.43	Peak	3.00	200	Vertical	Pass
3**	5167.960	39.64	54.0	14.36	AV	3.00	200	Vertical	Pass
4	6806.364	57.74	74.0	16.26	Peak	293.00	200	Vertical	Pass
4**	6806.364	42.34	54.0	11.66	AV	293.00	200	Vertical	Pass
5	13471.184	50.30	74.0	23.70	Peak	26.00	300	Vertical	Pass
5**	13471.184	38.53	54.0	15.47	AV	26.00	300	Vertical	Pass
6	17462.958	52.19	74.0	21.81	Peak	359.00	300	Vertical	Pass
6**	17462.958	43.54	54.0	10.46	AV	359.00	300	Vertical	Pass

A.9 Band Edge (Restricted-band band-edge)

Note [1]: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note [2]: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

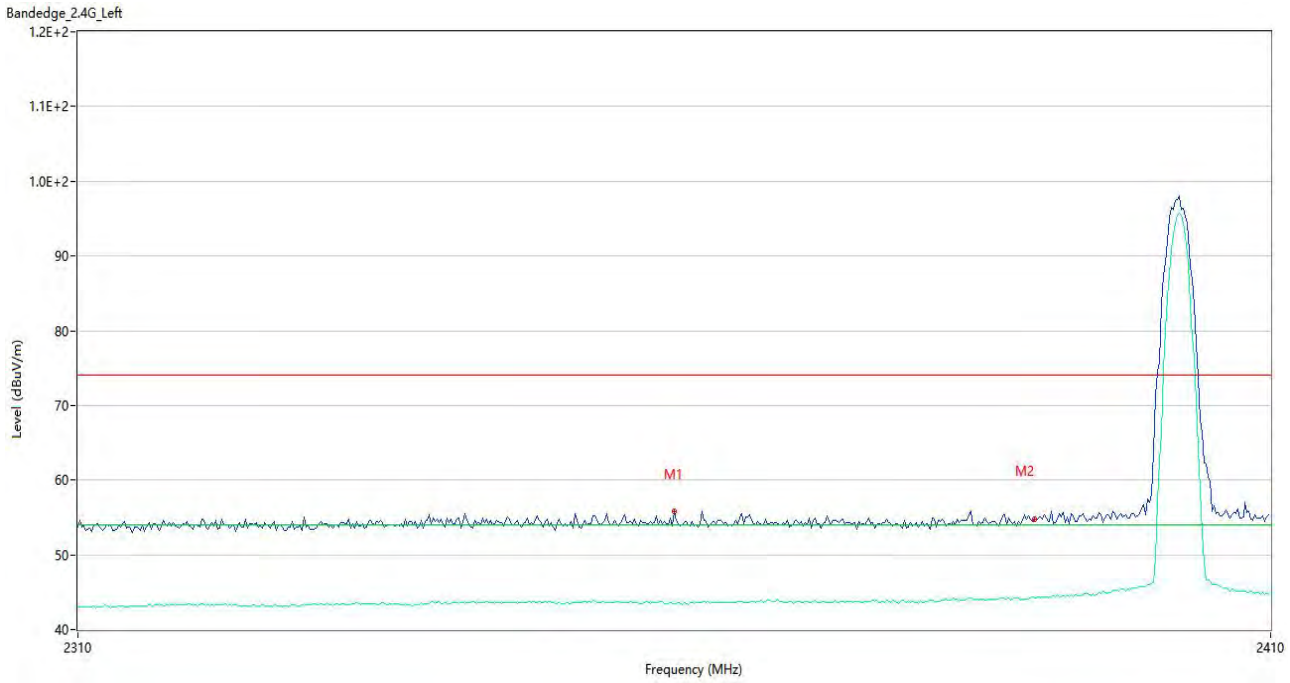
Note [3]: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note [4]: The Level (dBuV/m) has been corrected by factor.

Note [5]: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

Test Data and Plots

GFSK LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2358.407	55.98	74.0	18.02	Peak	351.00	300	Horizontal	Pass
1**	2358.407	43.82	54.0	10.19	AV	351.00	300	Horizontal	Pass
2	2390.000	54.93	74.0	19.07	Peak	163.00	300	Horizontal	Pass
2**	2390.000	44.41	54.0	9.59	AV	163.00	300	Horizontal	Pass

GFSK HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.13	74.0	19.87	Peak	148.00	200	Horizontal	Pass
1**	2483.500	43.38	54.0	10.62	AV	148.00	200	Horizontal	Pass
2	2500.682	55.63	74.0	18.37	Peak	274.00	100	Horizontal	Pass
2**	2500.682	43.67	54.0	10.33	AV	274.00	100	Horizontal	Pass

8-DPSK LOW CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2325.184	55.61	74.0	18.39	Peak	122.00	200	Horizontal	Pass
1**	2325.184	43.75	54.0	10.25	AV	122.00	200	Horizontal	Pass
2	2390.000	53.92	74.0	20.08	Peak	250.00	100	Horizontal	Pass
2**	2390.000	43.01	54.0	10.99	AV	250.00	100	Horizontal	Pass

8-DPSK HIGH CHANNEL

No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.28	74.0	19.72	Peak	208.00	100	Horizontal	Pass
1**	2483.500	43.44	54.0	10.56	AV	208.00	100	Horizontal	Pass
2	2487.537	55.52	74.0	18.48	Peak	107.00	100	Horizontal	Pass
2**	2487.537	43.58	54.0	10.43	AV	107.00	100	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ25C0718-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ25C0718-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ25C0718-AI.PDF”.

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--END OF REPORT--