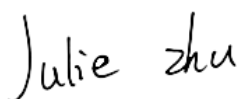


TEST REPORT

Applicant: Autel New Energy Co., Ltd.
Address: Room 101, Building B2, Zhiyuan, No.1001 Xueyuan Avenue, Changyuan Community, Taoyuan Road, Nanshan District, Shenzhen, 518055, China
Equipment Type: MaxiCharger AC Wallbox Home
Model Name: Maxi US AC W12-H (refer section 2.4)
Brand Name: AUTEL
FCC ID: 2A5NP-AUTELNEAC1
ISED Number: 28321-AUTELNEAC1
Test Standard: 47 CFR Part 15 Subpart C
RSS-Gen Issue 5
RSS-247 Issue 2
(refer section 3.1)
Test Date: Mar. 25, 2022 - Mar. 26, 2022
Date of Issue: Apr. 06, 2022

ISSUED BY:

Shenzhen BALUN Technology Co., Ltd.

Tested by: Zhu Julie**Checked by:** Ye Hongji**Approved by:** Liao Jianming
(Technical Director)

Revision History

Version	Issue Date	Revisions
<u>Rev. 01</u>	<u>Apr. 06, 2022</u>	<u>Initial Issue</u>

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1 Administrative Data (GENERAL INFORMATION)

1.1 Identification of the Testing Laboratory

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

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1/F, Baisha Science and Technology Park Shahe Xi Road, Nanshan District Shenzhen, Guangdong Province, People's Republic of 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 recognition numbers of test site are 11524A.
Description	All measurement facilities used to collect the measurement data are located at Block B, 1/F, Baisha Science and Technology Park Shahe Xi Road, Nanshan District Shenzhen, Guangdong Province, People's Republic of China

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Autel New Energy Co., Ltd.
Address	Room 101, Building B2, Zhiyuan, No.1001 Xueyuan Avenue, Changyuan Community, Taoyuan Road, Nanshan District, Shenzhen, 518055, China

2.2 Manufacturer Information

Manufacturer	Autel New Energy Co., Ltd.
Address	Room 101, Building B2, Zhiyuan, No.1001 Xueyuan Avenue, Changyuan Community, Taoyuan Road, Nanshan District, Shenzhen, 518055, China

2.3 Factory Information

Factory	Autel Intelligent Technology Co., Ltd. Guangming Brach
Address	6F, West Wing and 7F&6F, East Wing, Building 2, and 6F of Electronical Building, Yanxiang Industrial Zone, Gaoxin Rd, Dongzhou Community of Guangming New District, Shenzhen

2.4 General Description for Equipment under Test (EUT)

EUT Name	MaxiCharger AC Wallbox Home
Model Name Under Test	Maxi US AC W12-H
Series Model Name	Maxi US AC W10-N14-H, Maxi US AC W10-N6-H, Maxi US AC W7-N14-H, Maxi US AC W7-N6-H
Description of Model name differentiation	The Circuit, PCB Layout, Electrical Parts, and appearance between the serial model and the basic model are identical, except the power plug and colo.
Serial Number	AL0012A1GN2C00050B
Hardware Version	V3
Software Version	V0.99.20 V0.99.03
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Technical Information

Network and Wireless connectivity	Bluetooth (BR+EDR) WIFI 802.11b, 802.11g, 802.11n NFC
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The requirement for the following technical information of the EUT was tested in this report:

Modulation Technology	FHSS
Modulation Type	GFSK, $\pi/4$ -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	FPC Antenna
Antenna Gain	3.0 dBi (In test items related to antenna gain, the final results reflect this figure. This value is provided by the applicant.)
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	-	-

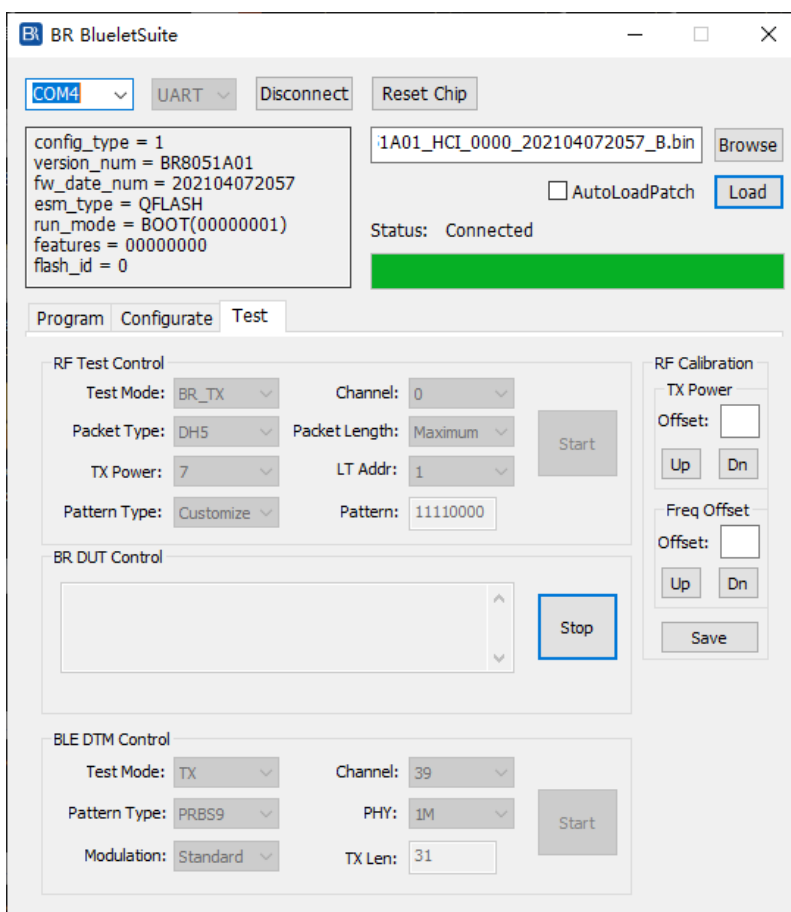
2.6 Additional Instructions

EUT Software Settings:

Mode	☒ Bluetooth test mode loop back enabled. EUT is controlled over CBT / CMW.
------	---

Power level setup in software			
Test Software Version	BR BlueletSuite		
Support Units (Software installation media)	Description	Manufacturer	Model
	Notebook	Hewlett-Packard	N/A
Mode	Channel	Frequency (MHz)	Soft Set
DH5	CH0	2402	TX LEVEL is built-in set parameters and cannot be changed and selected.
	CH39	2441	
	CH78	2480	
2DH5	CH0	2402	
	CH39	2441	
	CH78	2480	
3DH5	CH0	2402	
	CH39	2441	
	CH78	2480	

Run Software:



BR BlueletSuite

COM4 UART Disconnect Reset Chip

config_type = 1
version_num = BR8051A01
fw_date_num = 202104072057
esm_type = QFLASH
run_mode = BOOT(00000001)
features = 00000000
flash_id = 0

1A01_HCI_0000_202104072057_B.bin Browse

☐ AutoLoadPatch Load

Status: Connected

Program Configure Test

RF Test Control

Test Mode: BR_TX Channel: 0

Packet Type: DH5 Packet Length: Maximum

TX Power: 7 LT Addr: 1

Pattern Type: Customize Pattern: 11110000

Start

BR DUT Control

Stop

RF Calibration

TX Power

Offset: Up Dn

Freq Offset

Offset: Up Dn

Save

BLE DTM Control

Test Mode: TX Channel: 39

Pattern Type: PRBS9 PHY: 1M

Modulation: Standard TX Len: 31

Start

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C	Miscellaneous Wireless Communications Services
2	RSS-Gen Issue 5	General Requirements for Compliance of Radio Apparatus
3	RSS-247 Issue 2	Digital Transmission Systems (DTSS), Frequency Hopping Systems(FHSs) and Licence-Exemp Local Area Network (LE-LAN) Devices
4	ANSI C63.10-2013	American National Standard for Testing 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, 5.4 (f)	N/A	--	Pass	Note ¹
2	Number of Hopping Frequencies	15.247(a)	RSS-247, 5.1 (d)	Hopping Mode	ANNEX A.1	Pass	Note ²
3	Peak Output Power and E.I.R.P	15.247(b)	RSS-247, 5.4 (b)	Low/Middle/High	ANNEX A.2	Pass	--
4	Occupied Bandwidth	15.247(a)	RSS-247, 5.1 (a)	Low/Middle/High	ANNEX A.3	Pass	Note ²
5	Carrier Frequency Separation	15.247(a)	RSS-247, 5.1 (b)	Hopping Mode	ANNEX A.4	Pass	Note ²
6	Time of Occupancy (Dwell time)	15.247(a)	RSS-247, 5.1 (d)	Hopping Mode	ANNEX A.5	Pass	Note ²
7	Conducted Spurious Emission & Authorized-band band-edge	15.247(d)	RSS-247, 5.5	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, 5.5	Low/Middle/High	ANNEX A.8	Pass	Note ²
10	Band Edge(Restricted-band band-edge)	15.209 15.247(d)	RSS-247, 5.5	Low/Middle/High	ANNEX A.9	Pass	Note ²
11	Receiver Spurious Emissions	--	RSS-Gen, 7.3	--	--	N/A	Note ³

Note ¹: Please refer to section 5.1

Note ²: $\pi/4$ -DQPSK is the EDR 2M rate mode, 8-DPSK is the EDR 3M rate mode. The consistency of test results in $\pi/4$ -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	45% to 55%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22°C to +25°C
Working Voltage of the EUT	NV (Normal Voltage)	120 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2022.01.04	2023.01.03
Spectrum Analyzer	KEYSIGHT	N9020A	MY50330200	2021.06.01	2022.05.31
Signaling Unit	ROHDE&SCHWARZ	CMW500	142028	2021.06.01	2022.05.31
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2021.09.13	2022.09.12
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2021.10.10	2022.10.09
LISN	SCHWARZBECK	NSLK 8127	8127-687	2021.06.08	2022.06.07
Test Antenna- Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2021.04.16	2024.04.15
Test Antenna- Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2021.08.20	2024.08.19
Test Antenna- Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1917	2019.07.02	2022.07.01
Test Antenna- Horn (18-40 GHz)	A-INFO	LB- 180400KF	J211060273	2021.07.02	2024.07.01
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2021.09.04	2024.09.09
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60 *7.35m	N/A	2021.08.15	2024.08.14
Shielded Enclosure	ChangNing	CN-130701	130703	--	--

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	V19.8.28.435	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	0.82℃
Humidity	4.1%

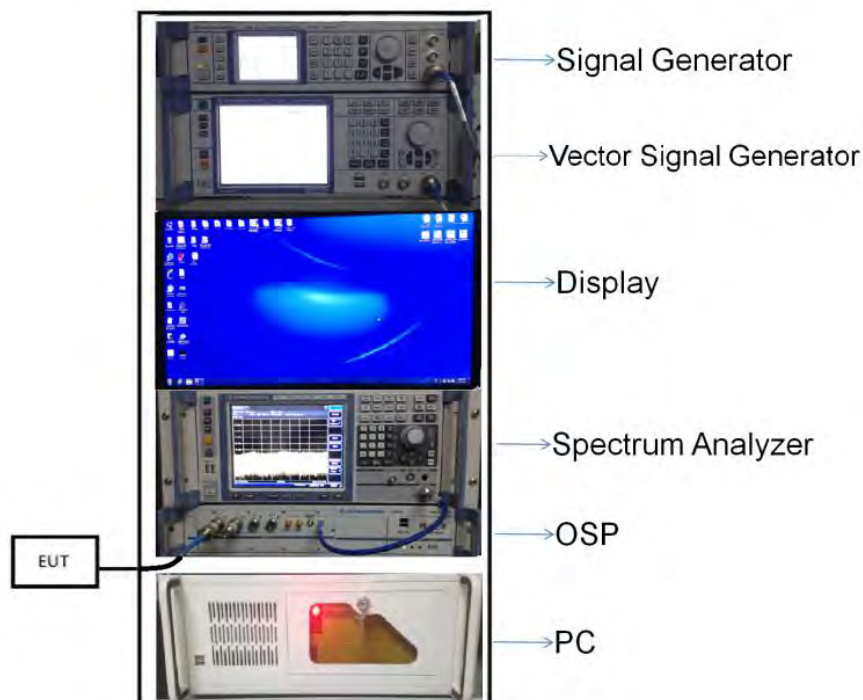
4.5 Description of Test Setup

4.5.1 For Antenna Port Test

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

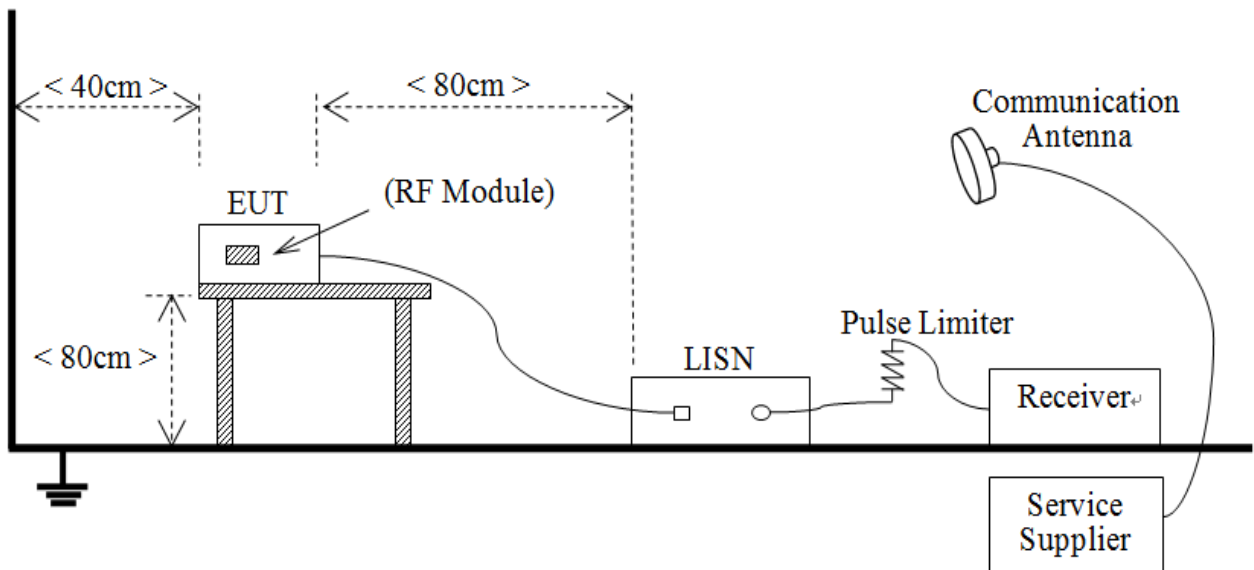
For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:

Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



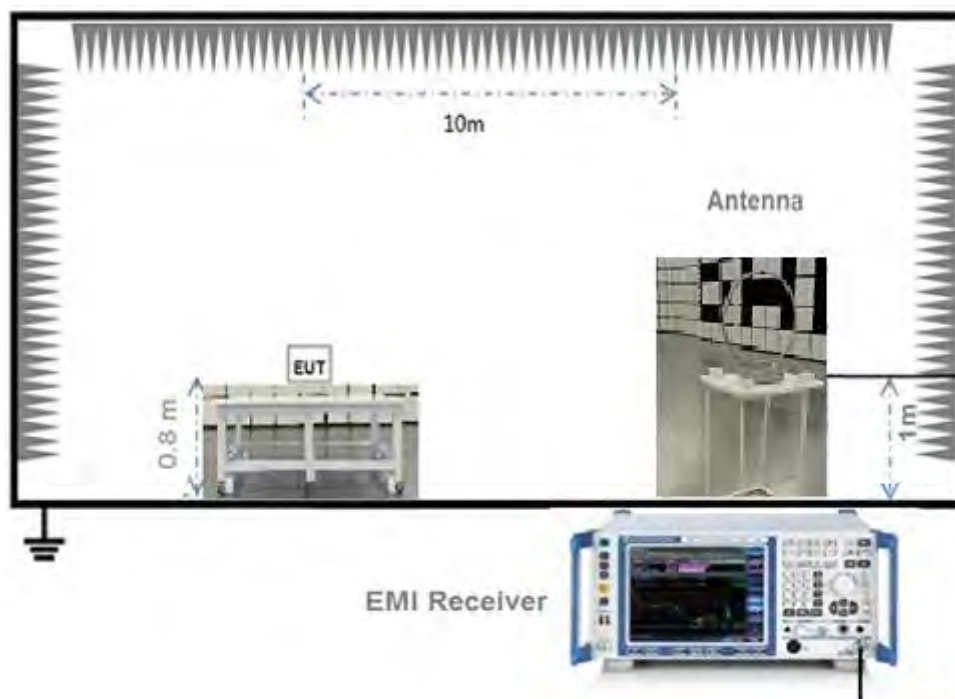
(Diagram 1)

4.5.2 For AC Power Supply Port Test



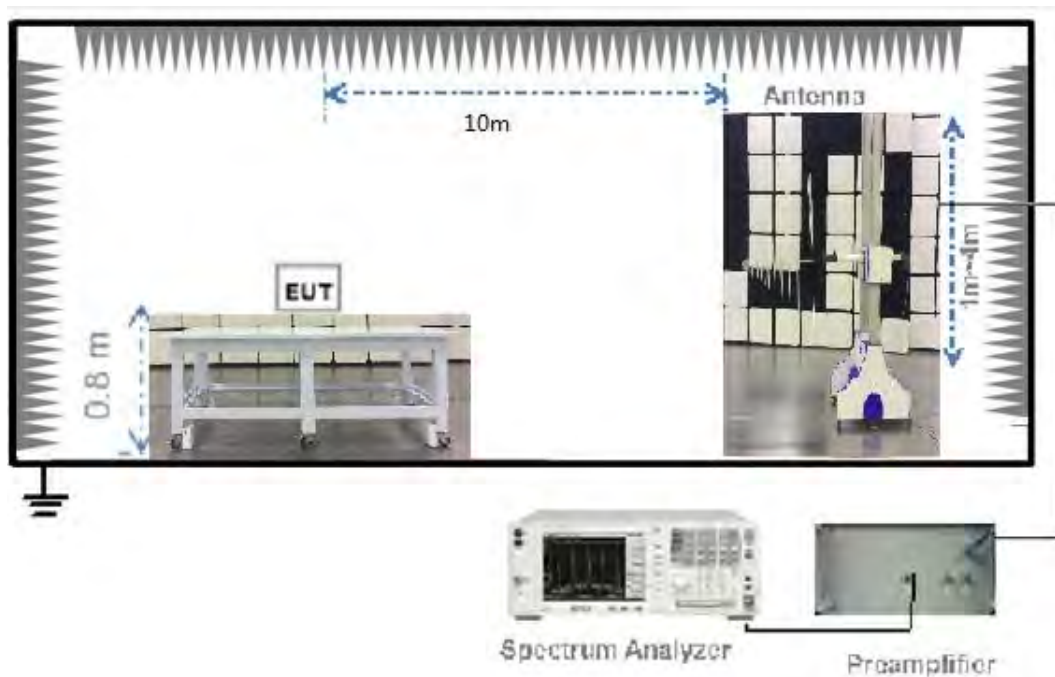
(Diagram 2)

4.5.3 For Radiated Test (Below 30 MHz)



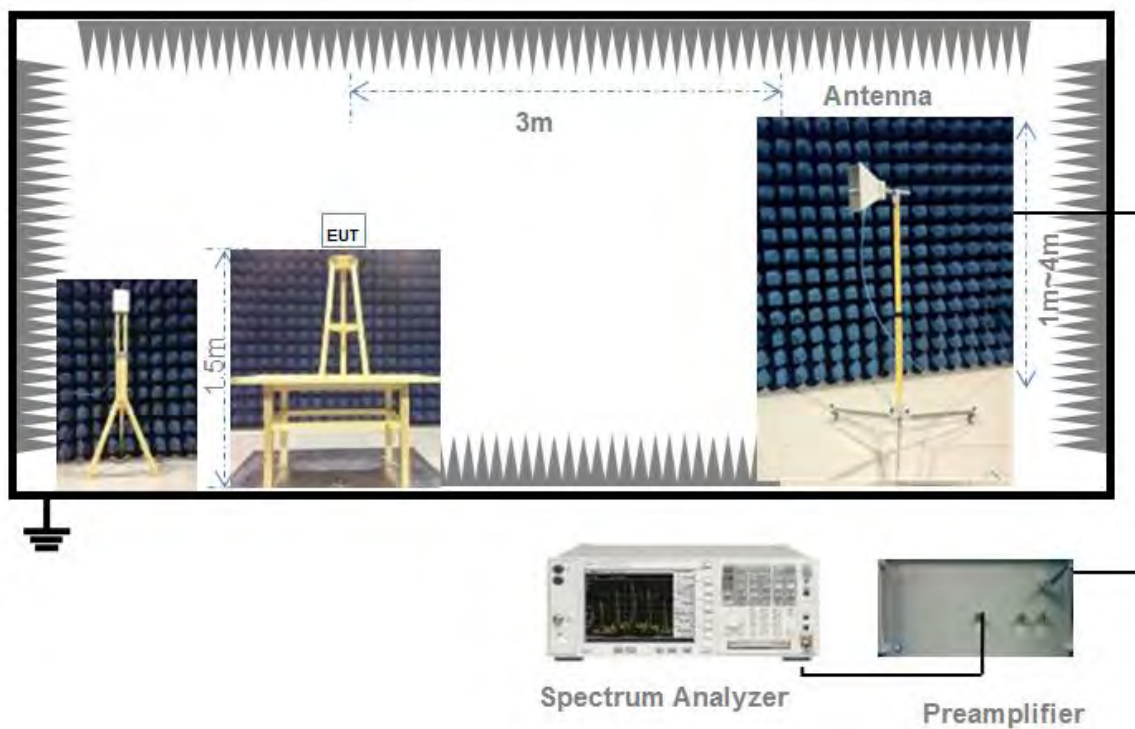
(Diagram 3)

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, 5.4 (f)

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.

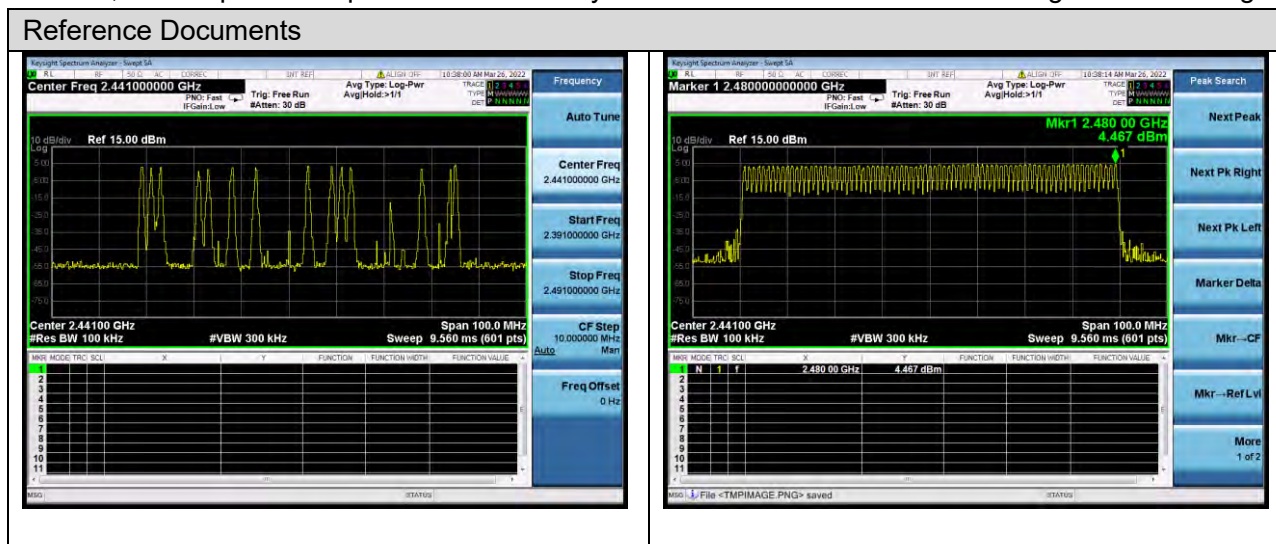
Describe how the associated receiver(s) has the ability to shift frequencies in synchronization with the transmitted signals.

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.



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 bandwidth and transmitted bandwidth 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, 5.1 (d)

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 $\geq$ 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, 5.4 (b)

For FHSs operating in the band 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1.0 W and the e.i.r.p. shall not exceed 4 W if the hopset uses 75 or more hopping channels; the maximum peak conducted output power shall not exceed 0.125 W and the e.i.r.p. shall not exceed 0.5 W if the hopset uses less than 75 hopping channels (see Section 5.4(5) for exceptions).

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 $\geq$ 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, 5.1 (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 $\geq$ 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, 5.1 (b)

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) $\geq$ 1% of the span

Video (or Average) Bandwidth (VBW) $\geq$ 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, 5.1 (d)

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 $\leq$ channel spacing and where possible RBW should be set $\gg 1/T$, 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

$$\{\text{Total of Dwell}\} = \{\text{Pulse Time}\} * (1600 / 2) / \{\text{Number of Hopping Frequency}\} * \{\text{Period}\}$$

$$\{\text{Period}\} = 0.4 \text{ s} * \{\text{Number of Hopping Frequency}\}$$

For DH3 package type

$$\{\text{Total of Dwell}\} = \{\text{Pulse Time}\} * (1600 / 4) / \{\text{Number of Hopping Frequency}\} * \{\text{Period}\}$$

$$\{\text{Period}\} = 0.4 \text{ s} * \{\text{Number of Hopping Frequency}\}$$

For DH5 package type

$$\{\text{Total of Dwell}\} = \{\text{Pulse Time}\} * (1600 / 6) / \{\text{Number of Hopping Frequency}\} * \{\text{Period}\}$$

$$\{\text{Period}\} = 0.4 \text{ s} * \{\text{Number of Hopping Frequency}\}$$

For AFH Mode:

For DH1 package type

$$\{\text{Total of Dwell}\} = \{\text{Pulse Time}\} * (800 / 2) / \{\text{Number of Hopping Frequency}\} * \{\text{Period}\}$$

$$\{\text{Period}\} = 0.4 \text{ s} * \{\text{Number of Hopping Frequency}\}$$

For DH3 package type

$$\{\text{Total of Dwell}\} = \{\text{Pulse Time}\} * (800 / 4) / \{\text{Number of Hopping Frequency}\} * \{\text{Period}\}$$
$$\{\text{Period}\} = 0.4 \text{ s} * \{\text{Number of Hopping Frequency}\}$$

For DH5 package type

$$\{\text{Total of Dwell}\} = \{\text{Pulse Time}\} * (800 / 6) / \{\text{Number of Hopping Frequency}\} * \{\text{Period}\}$$
$$\{\text{Period}\} = 0.4 \text{ s} * \{\text{Number of Hopping Frequency}\}$$

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, 5.5

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 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB μ V)	
	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, 5.5

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 $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ 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 $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW $\geq$ 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

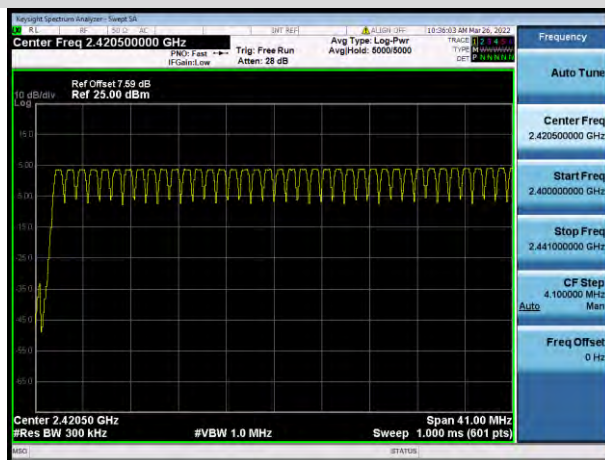
A.1 Number of Hopping Frequency

Test Data

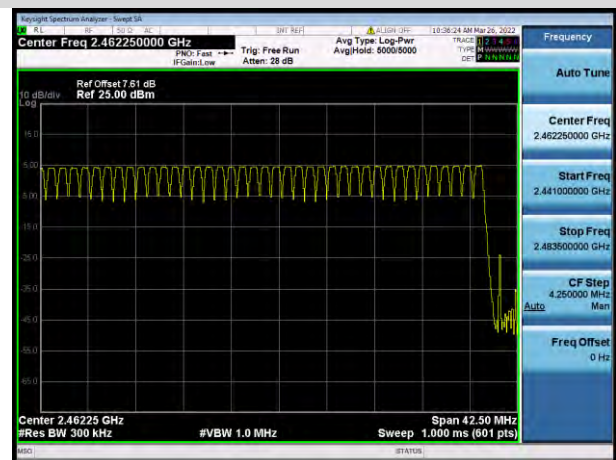
Test Mode	Frequency Block (MHz)	Measured Channel Numbers	Min. Limit	Verdict
GFSK	2400 - 2483.5	79	15	Pass
8-DPSK	2400 - 2483.5	79	15	Pass

Test Plots

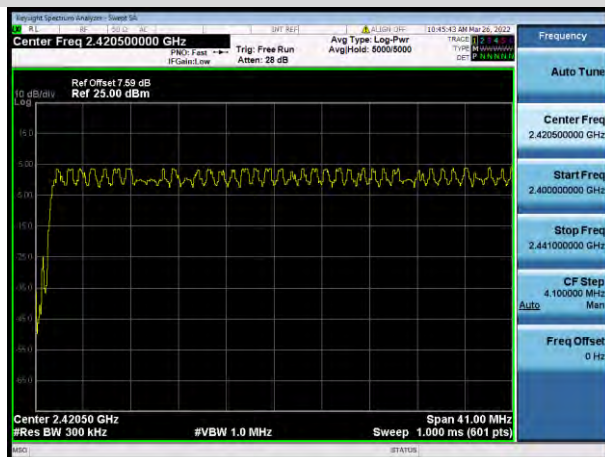
GFSK 2.4 GHz ~ 2.4415 GHz



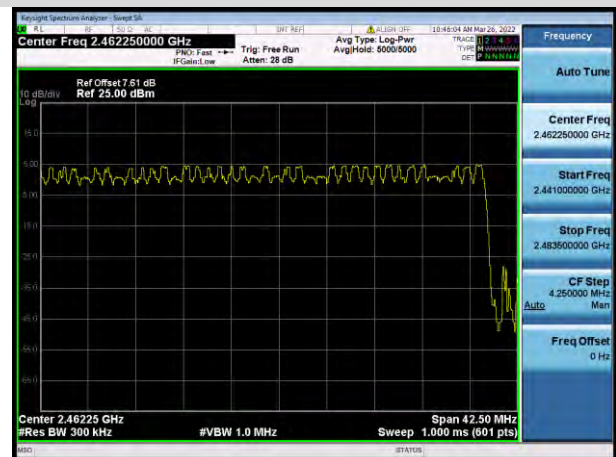
GFSK 2.4415 GHz ~ 2.4835 GHz



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

Peak Power Test Data

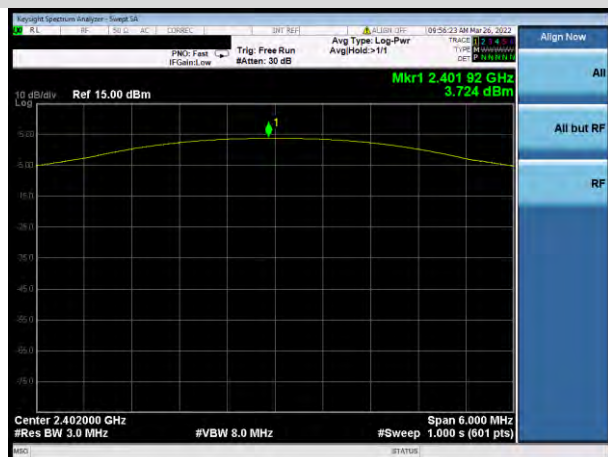
Channel	Measured Output Peak Power						Limit		Verdict
	GFSK		$\pi/4$ -DQPSK		8-DPSK		dBm	mW	
	dBm	mW	dBm	mW	dBm	mW			
Low	3.72	2.36	3.89	2.45	3.93	2.47	21	125	Pass
Middle	4.54	2.85	4.58	2.87	4.57	2.86			Pass
High	4.97	3.14	5.01	3.17	4.96	3.13			Pass

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

Channel	E.I.R.P						Limit		Verdict
	GFSK		$\pi/4$ -DQPSK		8-DPSK		dBm	mW	
	dBm	mW	dBm	mW	dBm	mW			
Low	6.72	4.70	6.89	4.89	6.93	4.94	36	4000	Pass
Middle	7.54	5.68	7.58	5.73	7.57	5.71			Pass
High	7.97	6.27	8.01	6.32	7.96	6.25			Pass

Test Plots

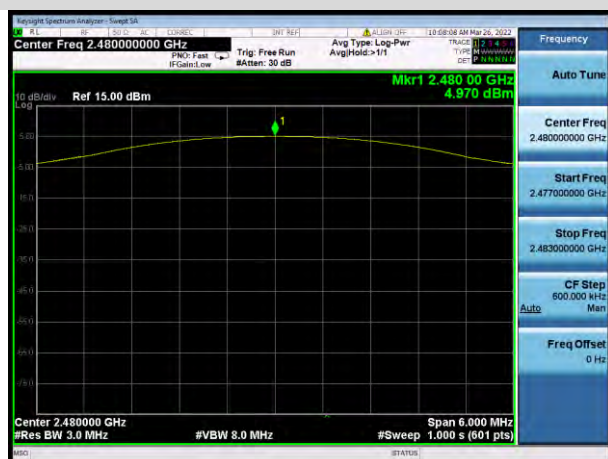
GFSK LOW CHANNEL



GFSK MIDDLE CHANNEL



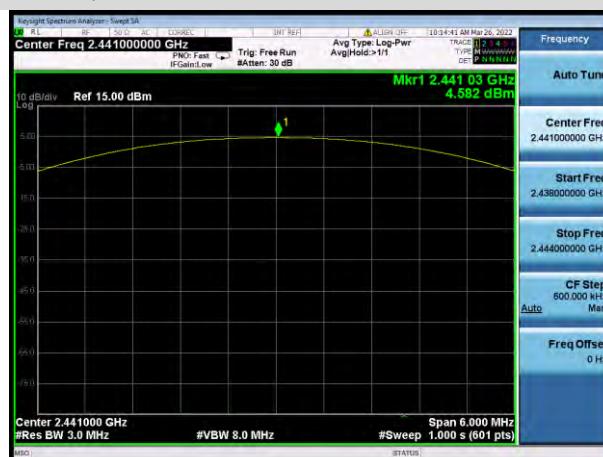
GFSK HIGH CHANNEL



$\pi/4$ -DQPSK LOW CHANNEL



$\pi/4$ -DQPSK MIDDLE CHANNEL



$\pi/4$ -DQPSK HIGH CHANNEL

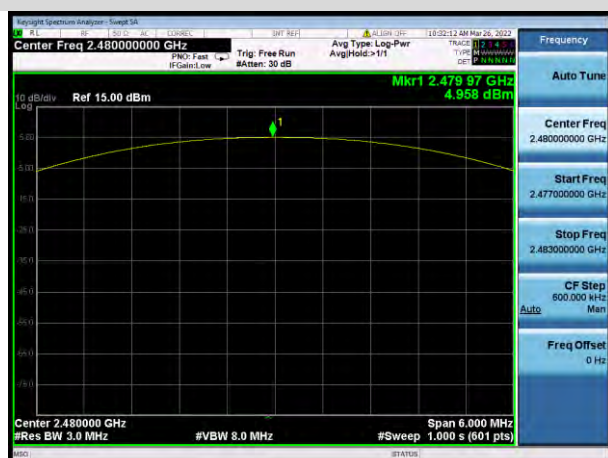
8-DPSK LOW CHANNEL



8-DPSK MIDDLE CHANNEL



8-DPSK HIGH CHANNEL



A.3 20 dB and 99% bandwidth

Test Data

GFSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	0.955000	0.855300
Middle	0.955000	0.854940
High	0.960000	0.856150
$\pi/4$ -DQPSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	1.240000	1.130200
Middle	1.235000	1.130100
High	1.235000	1.130900
8-DPSK		
Channel	20 dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low	1.255000	1.133700
Middle	1.255000	1.133300
High	1.250000	1.133100

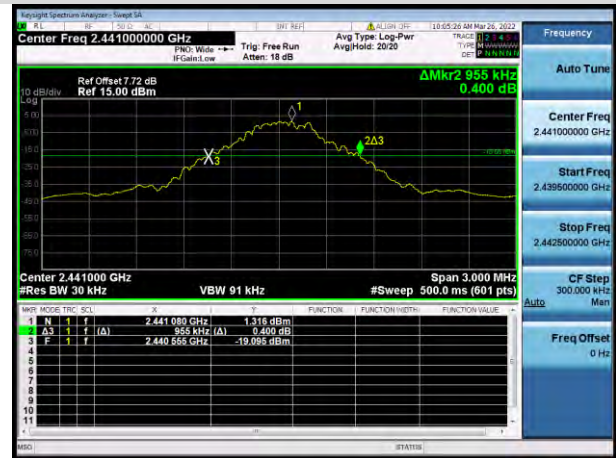
Test Plots

20 dB Bandwidth

GFSK LOW CHANNEL



GFSK MIDDLE CHANNEL



GFSK HIGH CHANNEL

 $\pi/4$ -DQPSK LOW CHANNEL $\pi/4$ -DQPSK MIDDLE CHANNEL

KeySight Spectrum Analyzer - Xantek SA

Center Freq 2.480000000 GHz

Ref Offset 7.5 dB
Ref 15.00 dBm

Auto Tune

Center Freq 2.480000000 GHz

Start Freq 2.479500000 GHz

Stop Freq 2.481500000 GHz

CF Step 300.000 MHz

Auto

Freq Offset 0 Hz

Span 3.000 MHz

#Res BW 30 kHz

VBW 91 kHz

#Sweep 500.0 ms (601 pts)

2A3 2.43

MARK	TYPE	MTC	ACL	F	F (A)	FUNCTION	FUNCTION (HINT)	FUNCTION VALUE
1	2A3	1	f	(A)	2.480 010 GHz			1.624 dBm
2	2A3	1	f	(A)	1.235 MHz (A)			0.961 dB
3	F	1	f		2.479 400 GHz			-10.735 dBm

Keylight Spectra Analyzer - Swept SA

16:37:53.481 MHz Dec 26, 2023

Center Freq 2.402000000 GHz

Pho: Wide Trig: Free Run Avg Type: Log-Pwr AvgHold: 20/20

Ref Offset 7.59 dB Ref 15.00 dBm

Δ Mkr2 1.255 MHz 0.605 dB

2A3

Center 2.402000 GHz Span 3.000 MHz

Res BW 30 kHz VBW 91 kHz #Sweep 500.0 ms (601 pts)

Mkr	Mode	Trc	CL	X	Y	FUNCTION	FUNCTION (HSTR)	FUNCTION VALUE
1	A3	1	f	(A)	2.402 010 GHz	0.511 dBm		
2	A3	1	f	(A)	1.255 MHz (A)	0.505 dB		
3	F	1	f		2.401 385 GHz	-20.25 dBm		

Keysight Spectrum Analyzer - Sweep 2A

Center Freq 2.441000000 GHz

Ref Offset 7.72 dB

Ref 15.00 dBm

DMkr2 1.255 MHz

0.440 dB

Span 3.000 MHz

#Res BW 30 kHz

VBW 91 kHz

#Sweep 500.0 ms (601 pts)

MNR	MODE	TRF	SCL	Δf	F	FUNCTION	FUNCTION (MATH)	FUNCTION VALUE
0	Δf	1	f	(Δ)	2.441 010 GHz	1.188 dBm		
1	Δf	1	f	(Δ)	1.255 MHz (Δ)	0.440 dB		
3	F	1	f		2.440 385 GHz	-19.503 dBm		

Keylight Spectrums analyzer - Tampa, FL

100.000000000 GHz

Center Freq 2.480000000 GHz

Pho: Wide Trig: Free Run

IF Gain: 1.0e Att: 13 dB

Avg Type: Log-Pwr AvgHold: 2020

10.0 dBm

Ref Offset 7.5 dB

Ref 15.00 dBm

Delta 2.250 MHz

Delta 3

Center 2.480000000 GHz

Res BW 30 kHz

Span 3.000 MHz

VBW 91 kHz

#Sweep 500.0 ms (601 pts)

MARK	MODE	TRIG	CLL	F	FUNCTION	FUNCTION (UNIT)	FUNCTION VALUE
1	Δ	1	f	(Δ)		2.480 016 GHz	1.508 dBm
2	Δ	1	f	(Δ)		1.250 MHz (Δ)	-0.216 dBm
3	F	1	f			2.479 390 GHz	-18.53 dBm

99% Bandwidth

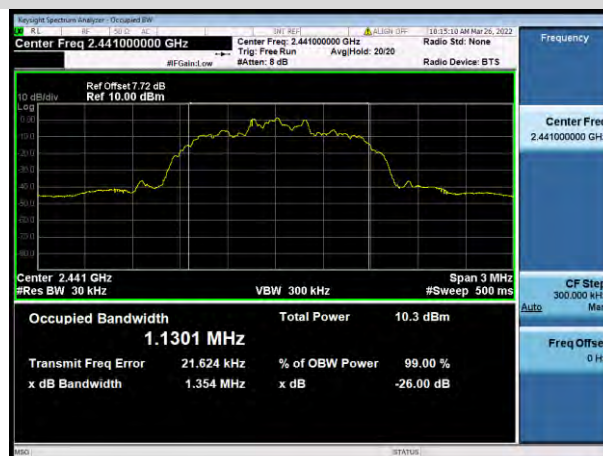
GFSK LOW CHANNEL



GFSK MIDDLE CHANNEL



GFSK HIGH CHANNEL

 $\pi/4$ -DQPSK LOW CHANNEL $\pi/4$ -DQPSK MIDDLE CHANNEL

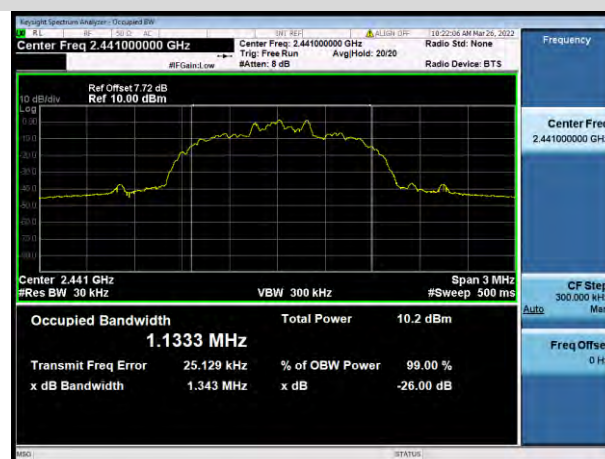
$\pi/4$ -DQPSK HIGH CHANNEL



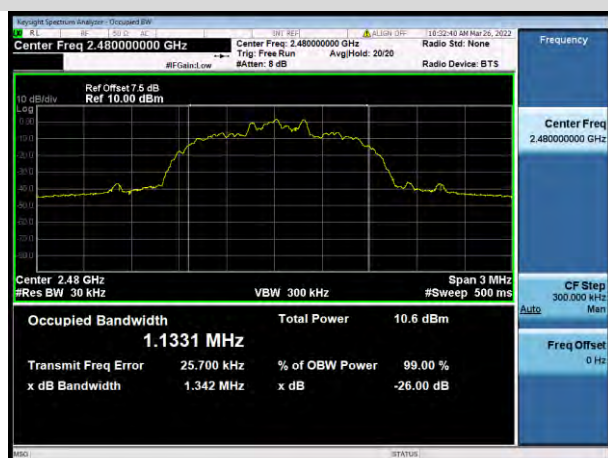
8-DPSK LOW CHANNEL



8-DPSK MIDDLE CHANNEL



8-DPSK HIGH CHANNEL



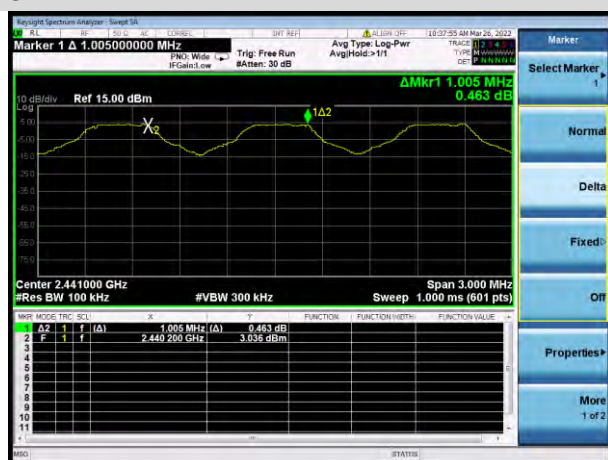
A.4 Hopping Frequency Separation

Test Data

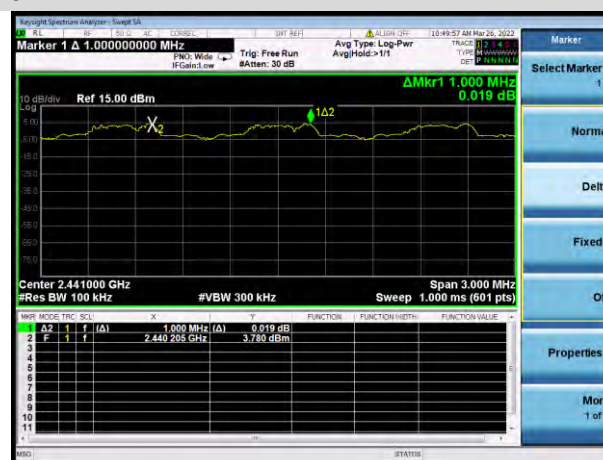
Mode	Frequency separation (MHz)	2/3 of the 20 dB Bandwidth (MHz)	Verdict
GFSK	1.005	0.640	Pass
8-DPSK	1.000	0.837	Pass

Test Plots

GFSK



8-DPSK



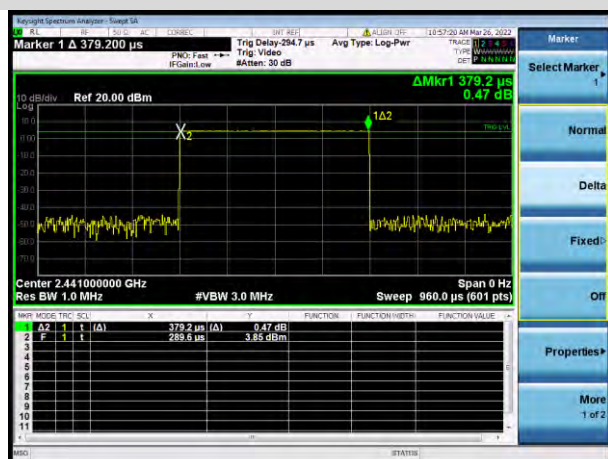
A.5 Average Time of Occupancy

Test Data

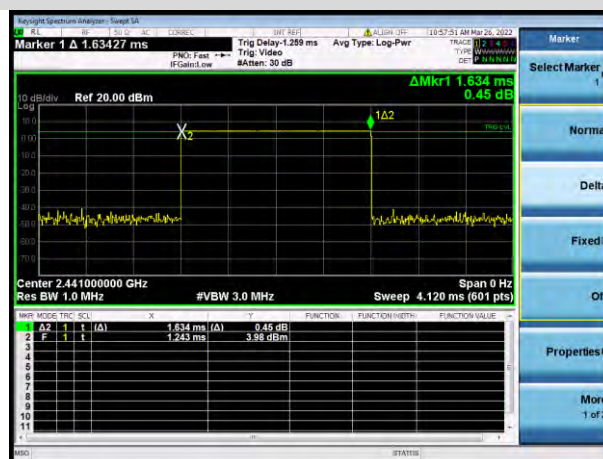
GFSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.37920	121.344	0.4	Pass
DH 3	1.63400	261.440	0.4	Pass
DH 5	2.88800	308.053	0.4	Pass
8-DPSK				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.39040	124.928	0.4	Pass
DH 3	1.64100	262.560	0.4	Pass
DH 5	2.88800	308.053	0.4	Pass
AFH Mode				
DH Packet	Pulse Width (ms)	Total of Dwell (ms)	Limit (sec)	Verdict
DH 1	0.38080	60.928	0.4	Pass
DH 3	1.63400	130.720	0.4	Pass
DH 5	2.88800	154.027	0.4	Pass

Test Plots

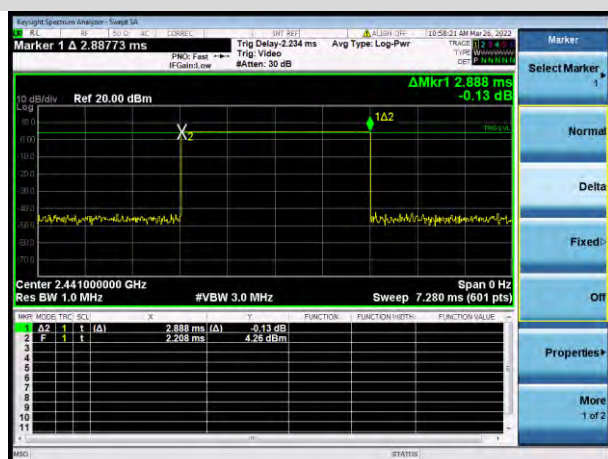
GFSK DH1



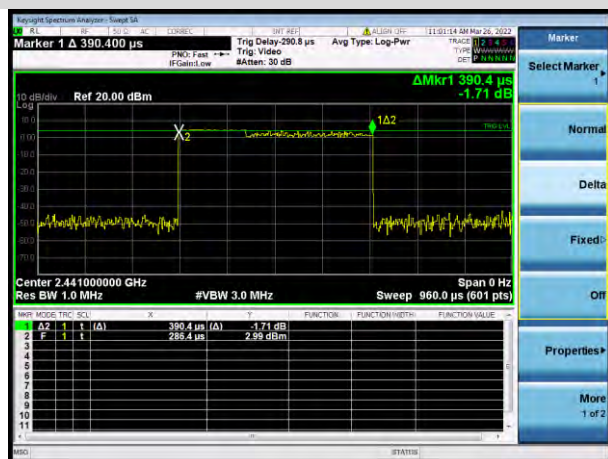
GFSK DH3



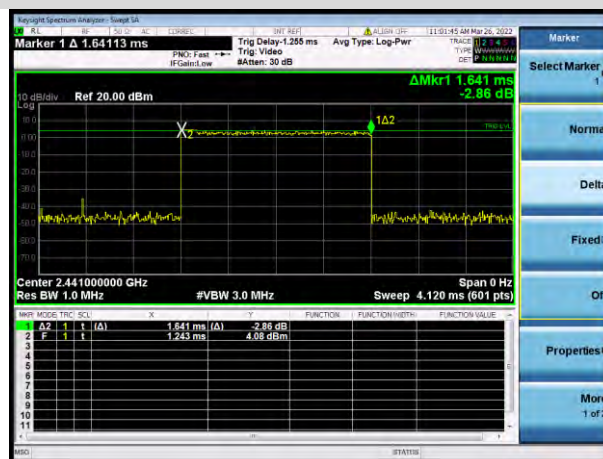
GFSK DH5



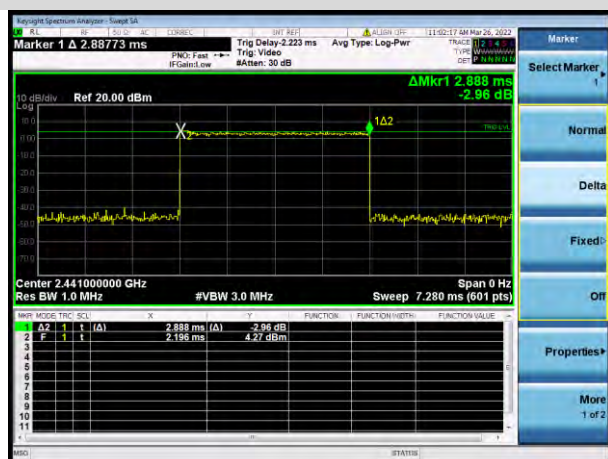
8-DPSK DH1



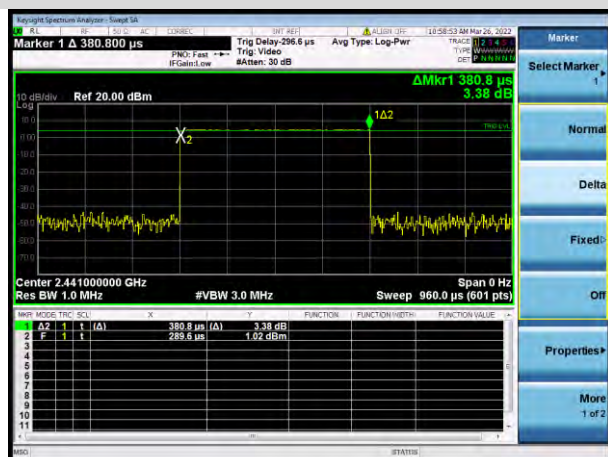
8-DPSK DH3



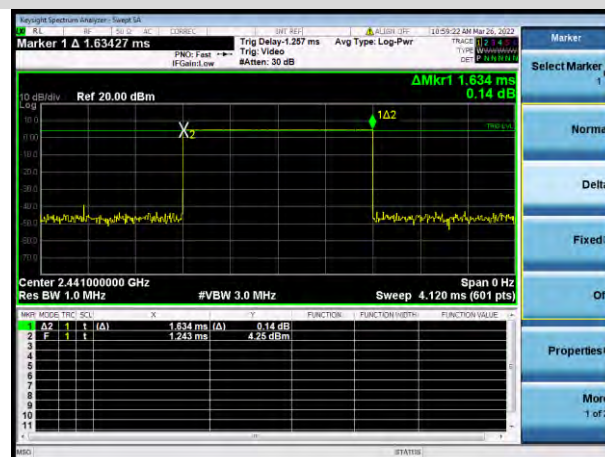
8-DPSK DH5



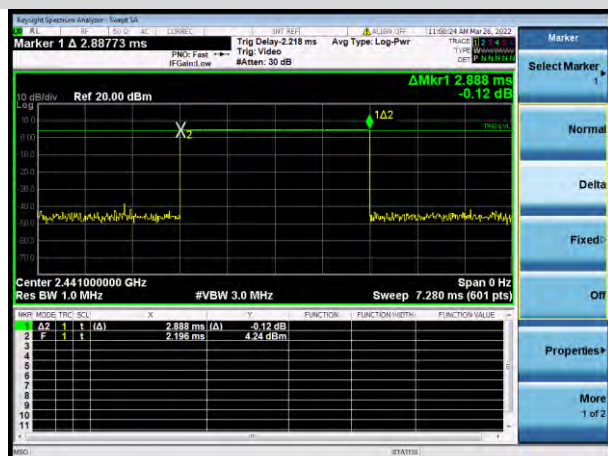
AFH Mode DH1



AFH Mode DH3



AFH Mode DH5



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

Test Data

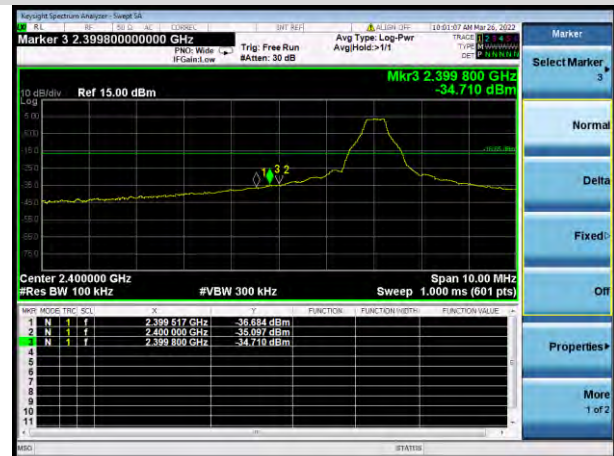
GFSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.99	3.35	-16.65	Pass
Middle	-37.36	4.19	-15.82	Pass
High	-37.10	4.58	-15.43	Pass
8-DPSK				
Channel	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low	-36.81	3.56	-16.44	Pass
Middle	-36.20	4.17	-15.83	Pass
High	-36.44	4.60	-15.40	Pass
Hopping Mode				
Mode	Measured Max. Out of Band Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
GFSK	-35.85	4.47	-15.53	Pass
8-DPSK	-36.47	4.06	-15.94	Pass

Test Plots

GFSK LOW CHANNEL, CARRIER LEVEL

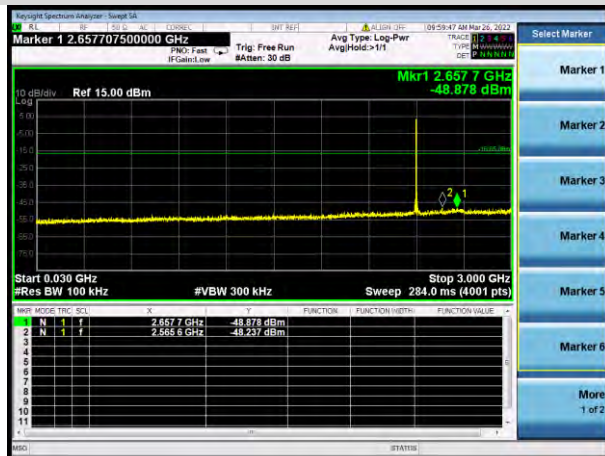


GFSK LOW CHANNEL, BAND EDGE



GFSK LOW CHANNEL, SPURIOUS

30 MHz ~ 3 GHz



GFSK LOW CHANNEL, SPURIOUS

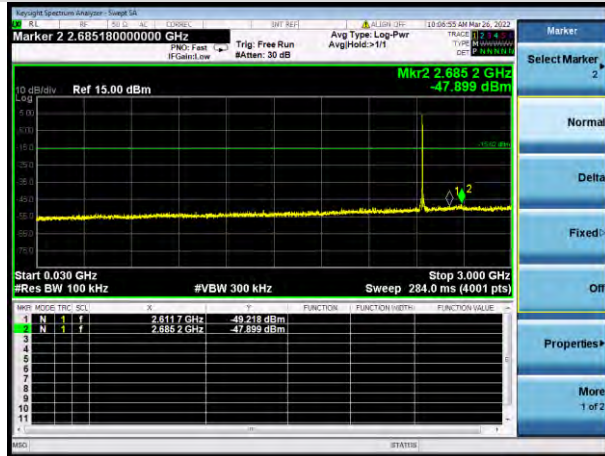
3 GHz ~ 25 GHz



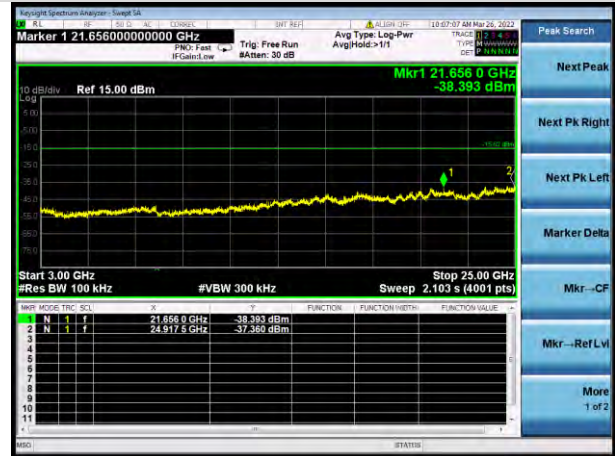
GFSK MIDDLE CHANNEL, CARRIER LEVEL



GFSK MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



GFSK MIDDLE CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



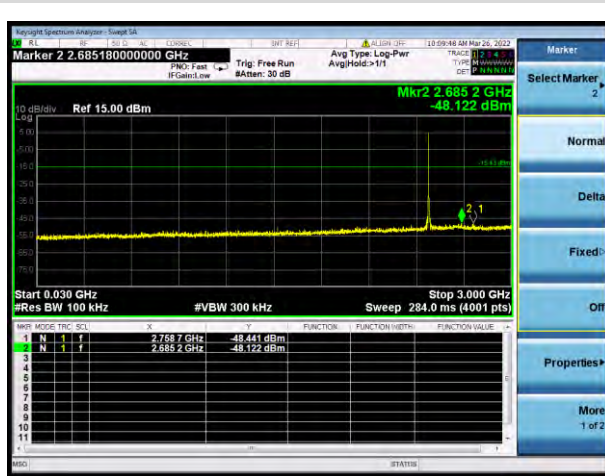
GFSK HIGH CHANNEL, CARRIER LEVEL



GFSK HIGH CHANNEL, BAND EDGE



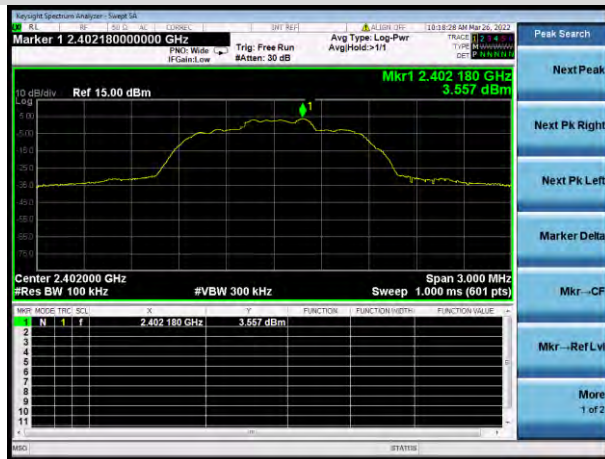
GFSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



GFSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



8-DPSK LOW CHANNEL, CARRIER LEVEL

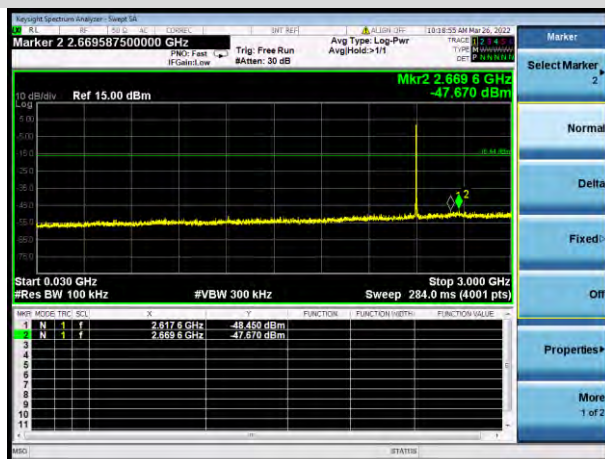


8-DPSK LOW CHANNEL, BAND EDGE



8-DPSK LOW CHANNEL, SPURIOUS

30 MHz ~ 3 GHz

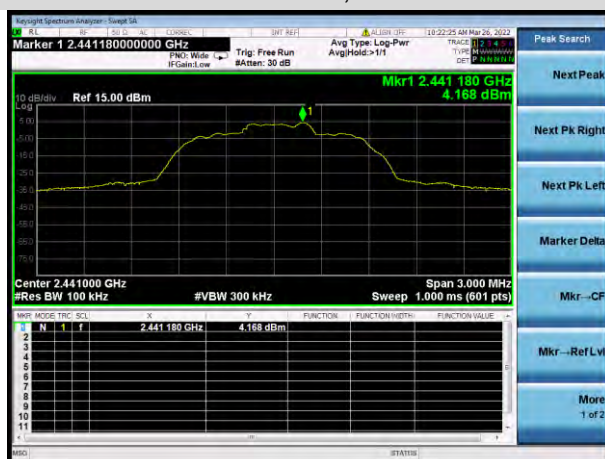


8-DPSK LOW CHANNEL, SPURIOUS

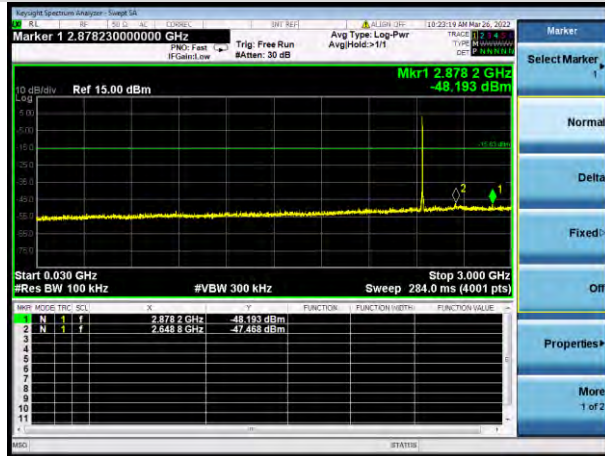
3 GHz ~ 25 GHz



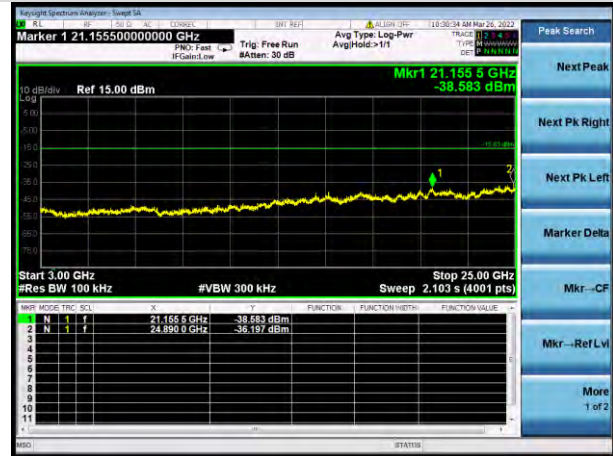
8-DPSK MIDDLE CHANNEL, CARRIER LEVEL



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



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



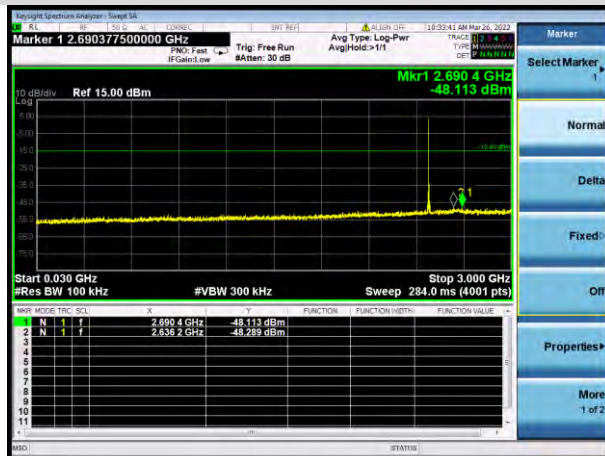
8-DPSK HIGH CHANNEL, CARRIER LEVEL



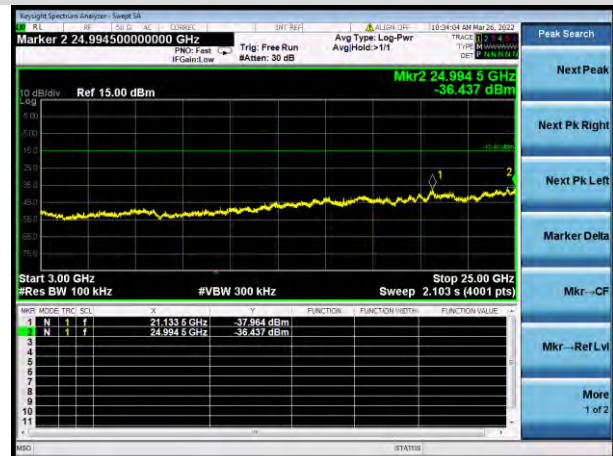
8-DPSK HIGH CHANNEL, BAND EDGE



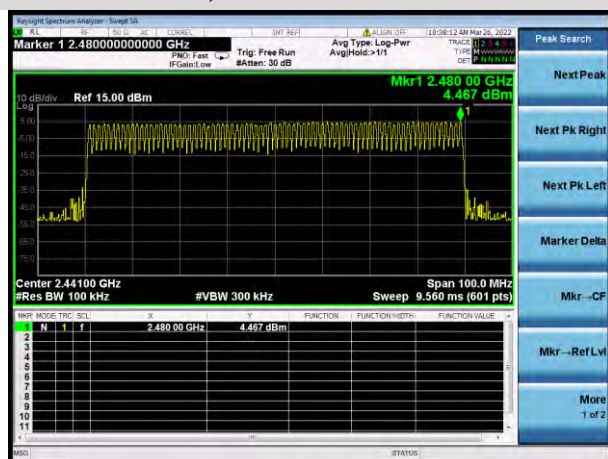
8-DPSK HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



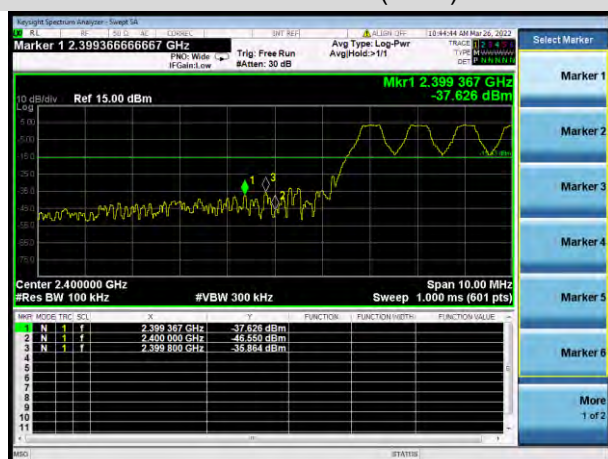
8-DPSK HIGH CHANNEL, SPURIOUS 3 GHz ~ 25 GHz



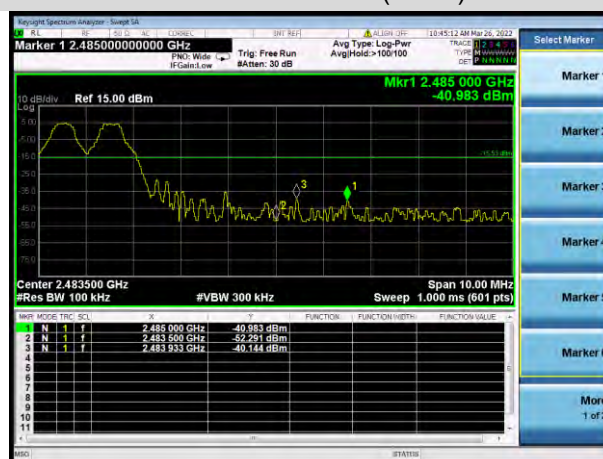
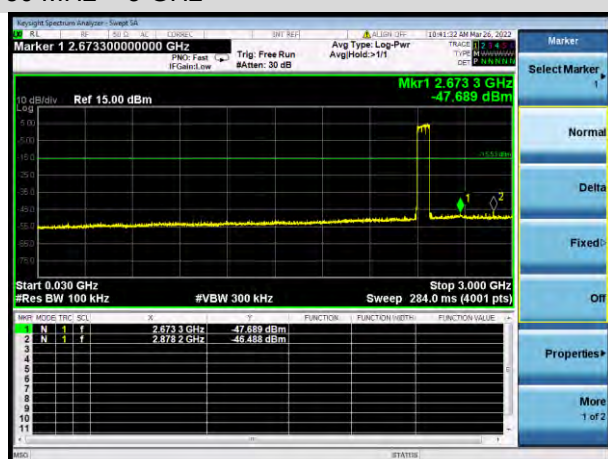
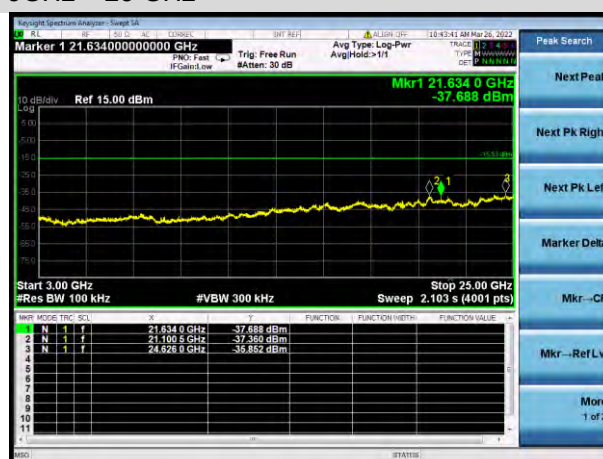
GFSK HOPPING, CARRIER LEVEL



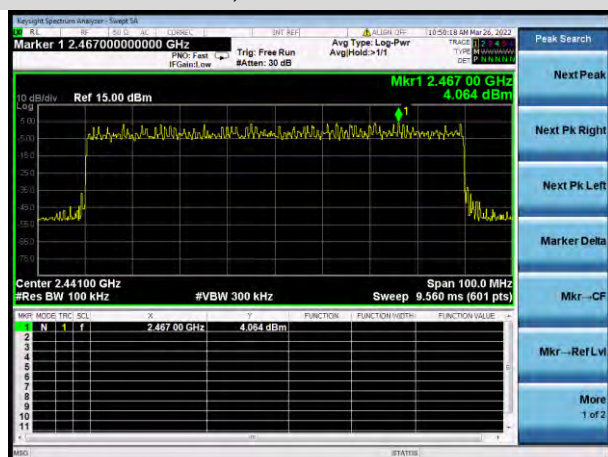
GFSK HOPPING BAND EDGE (LOW)



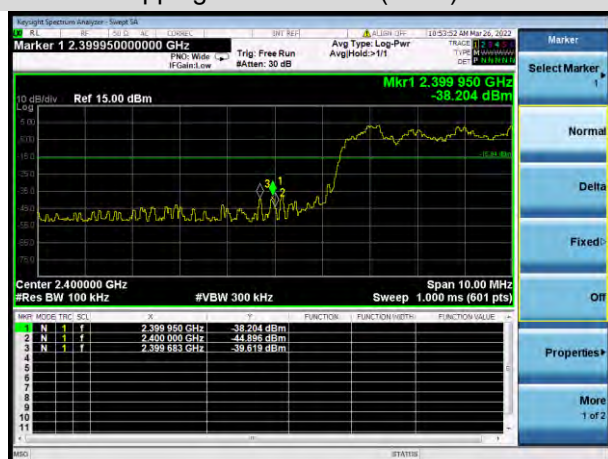
GFSK HOPPING BAND EDGE (HIGH)

GFSK Hopping Mode, SPURIOUS
30 MHz ~ 3 GHzGFSK Hopping Mode, SPURIOUS
3GHz ~ 25 GHz

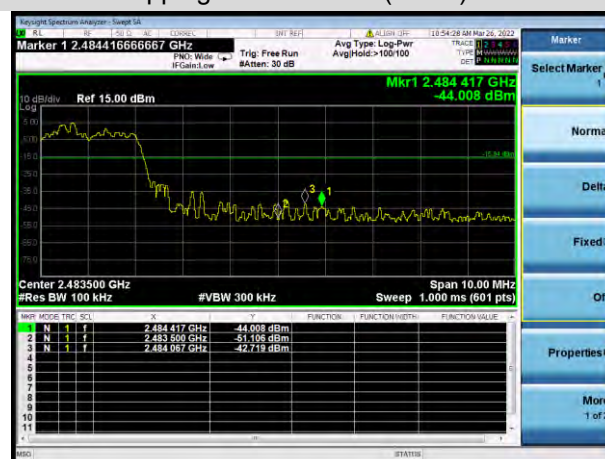
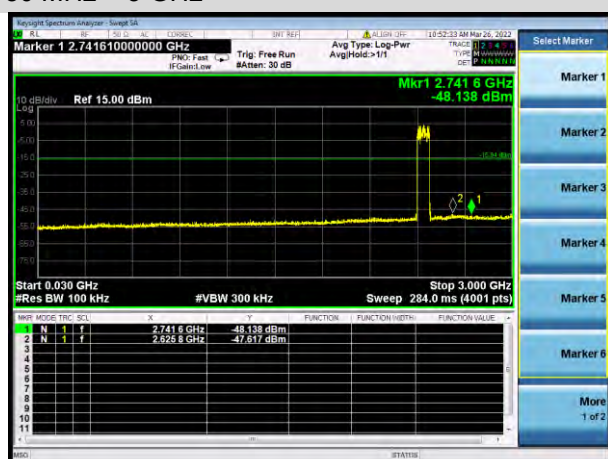
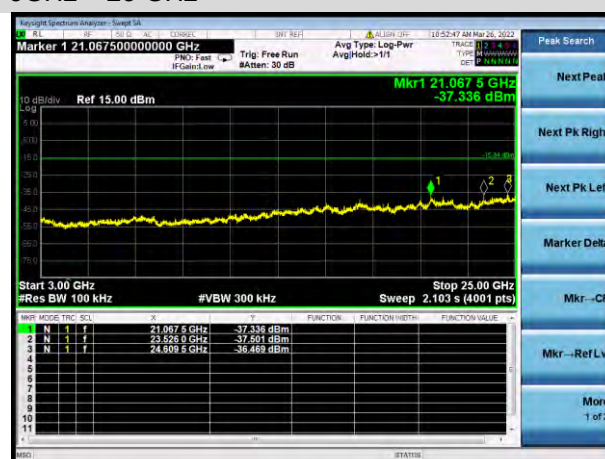
8-DPSK HOPPING, CARRIER LEVEL



8-DPSK Hopping BAND EDGE (LOW)



8-DPSK Hopping BAND EDGE (HIGH)

8-DPSK Hopping Mode, SPURIOUS
30 MHz ~ 3 GHz8-DPSK Hopping Mode, SPURIOUS
3GHz ~ 25 GHz

A.7 Conducted Emissions

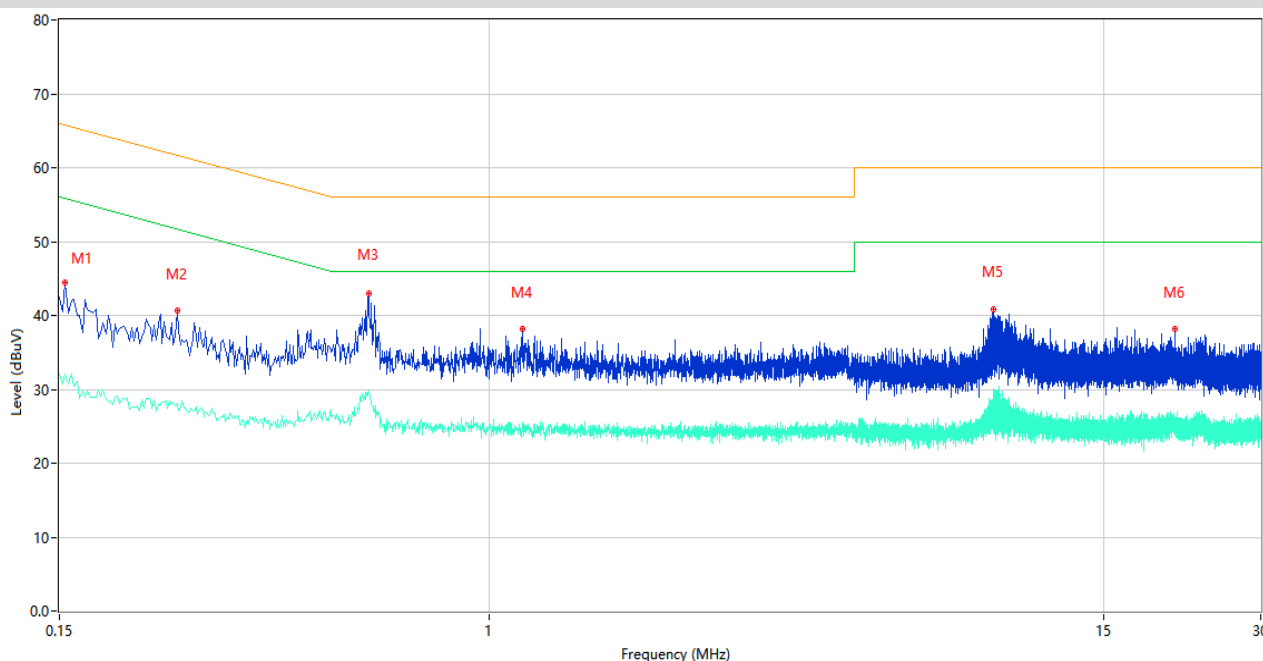
Note ¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

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)

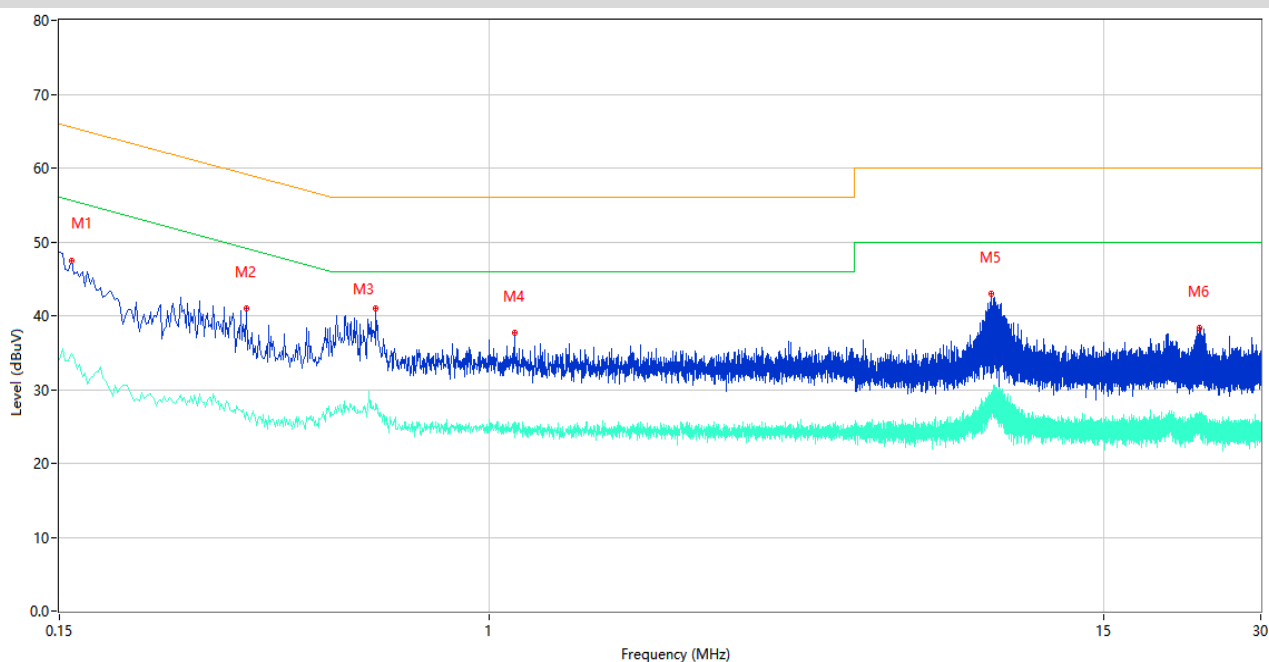
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.154	44.43	10.99	65.78	-21.35	Peak	L	Pass
1**	0.154	32.05	10.99	55.78	-23.73	AV	L	Pass
2	0.252	40.61	10.92	61.69	-21.08	Peak	L	Pass
2**	0.252	28.11	10.92	51.69	-23.58	AV	L	Pass
3	0.586	42.92	10.88	56.00	-13.08	Peak	L	Pass
3**	0.586	29.67	10.88	46.00	-16.33	AV	L	Pass
4	1.154	38.18	10.71	56.00	-17.82	Peak	L	Pass
4**	1.154	25.24	10.71	46.00	-20.76	AV	L	Pass
5	9.240	40.82	10.64	60.00	-19.18	Peak	L	Pass
5**	9.240	28.60	10.64	50.00	-21.40	AV	L	Pass
6	20.566	38.14	10.67	60.00	-21.86	Peak	L	Pass
6**	20.566	25.81	10.67	50.00	-24.19	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.158	47.49	10.99	65.57	-18.08	Peak	N	Pass
1**	0.158	34.89	10.99	55.57	-20.68	AV	N	Pass
2	0.342	40.93	10.89	59.15	-18.22	Peak	N	Pass
2**	0.342	26.97	10.89	49.15	-22.18	AV	N	Pass
3	0.606	40.92	10.87	56.00	-15.08	Peak	N	Pass
3**	0.606	28.15	10.87	46.00	-17.85	AV	N	Pass
4	1.118	37.62	10.71	56.00	-18.38	Peak	N	Pass
4**	1.118	24.58	10.71	46.00	-21.42	AV	N	Pass
5	9.138	43.03	10.64	60.00	-16.97	Peak	N	Pass
5**	9.138	26.01	10.64	50.00	-23.99	AV	N	Pass
6	22.870	38.30	10.71	60.00	-21.70	Peak	N	Pass
6**	22.870	25.46	10.71	50.00	-24.54	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 C63.10-2013, 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.

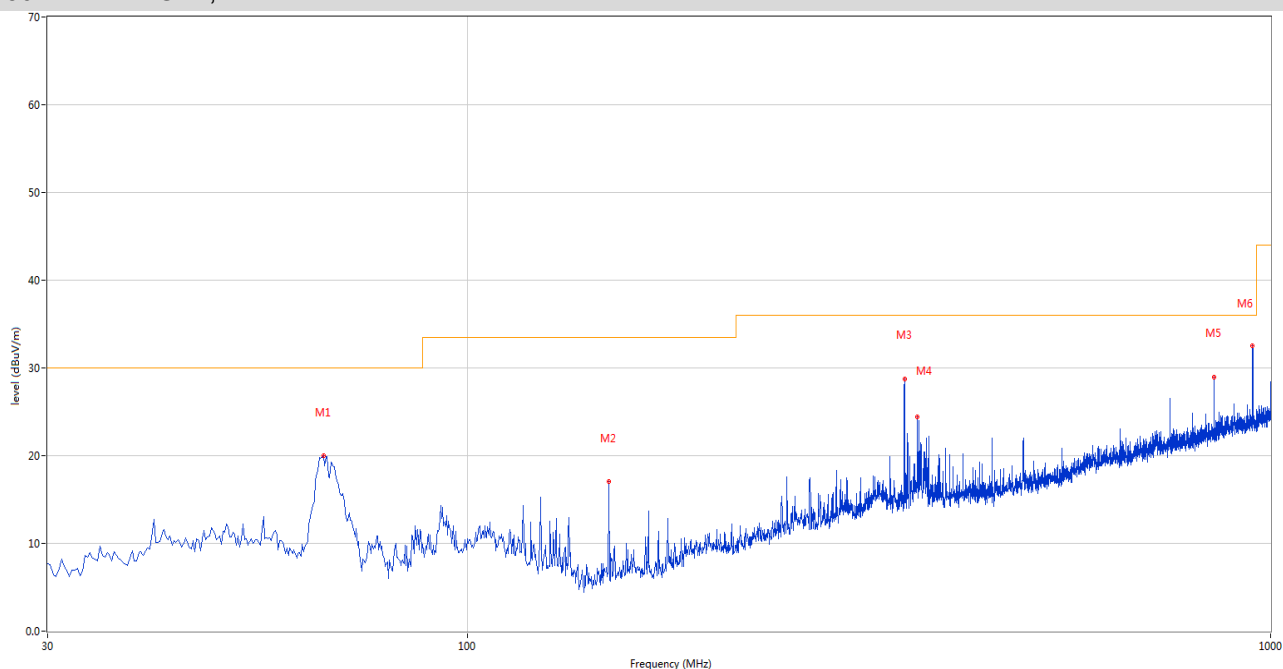
Note ³: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and DH5-Hopping mode is the worst.

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.

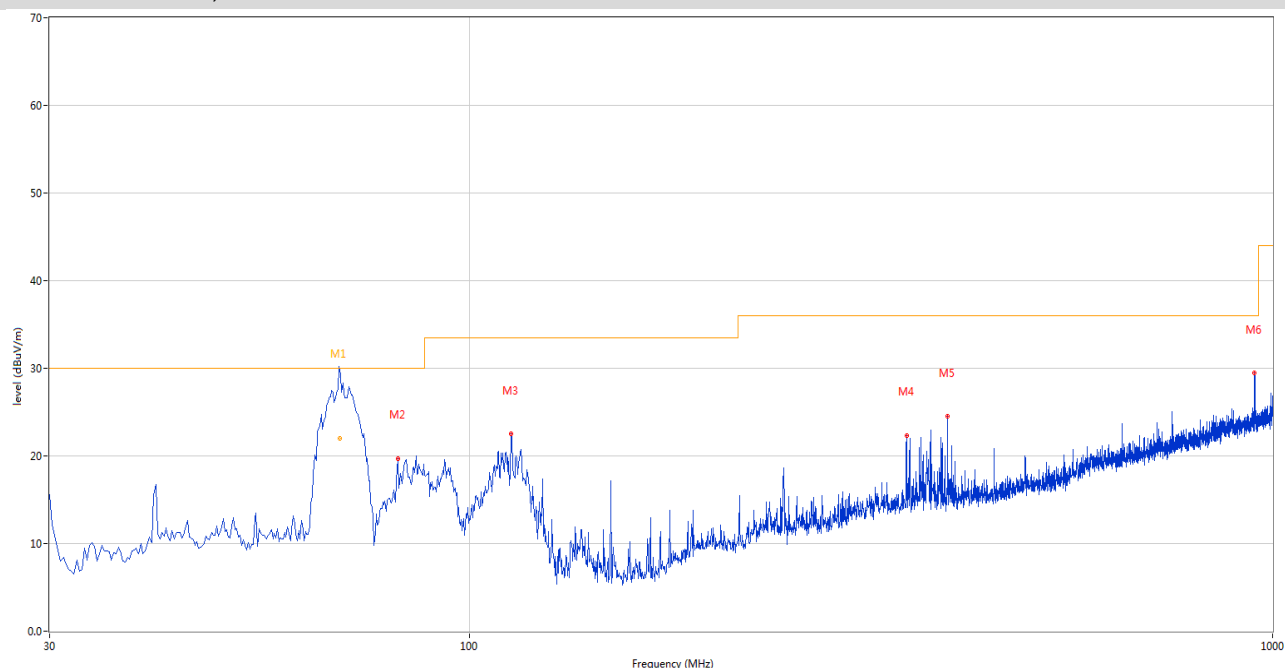
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	66.123	19.96	-28.66	30.0	-10.04	Peak	0.00	200	Horizontal	Pass
2	150.007	17.01	-31.39	33.5	-16.49	Peak	256.00	200	Horizontal	Pass
3	350.020	28.73	-23.36	36.0	-7.27	Peak	201.00	200	Horizontal	Pass
4	363.354	24.47	-23.35	36.0	-11.53	Peak	14.00	200	Horizontal	Pass
5	849.930	28.97	-13.51	36.0	-7.03	Peak	255.00	100	Horizontal	Pass
6	949.815	32.49	-12.02	36.0	-3.51	Peak	129.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

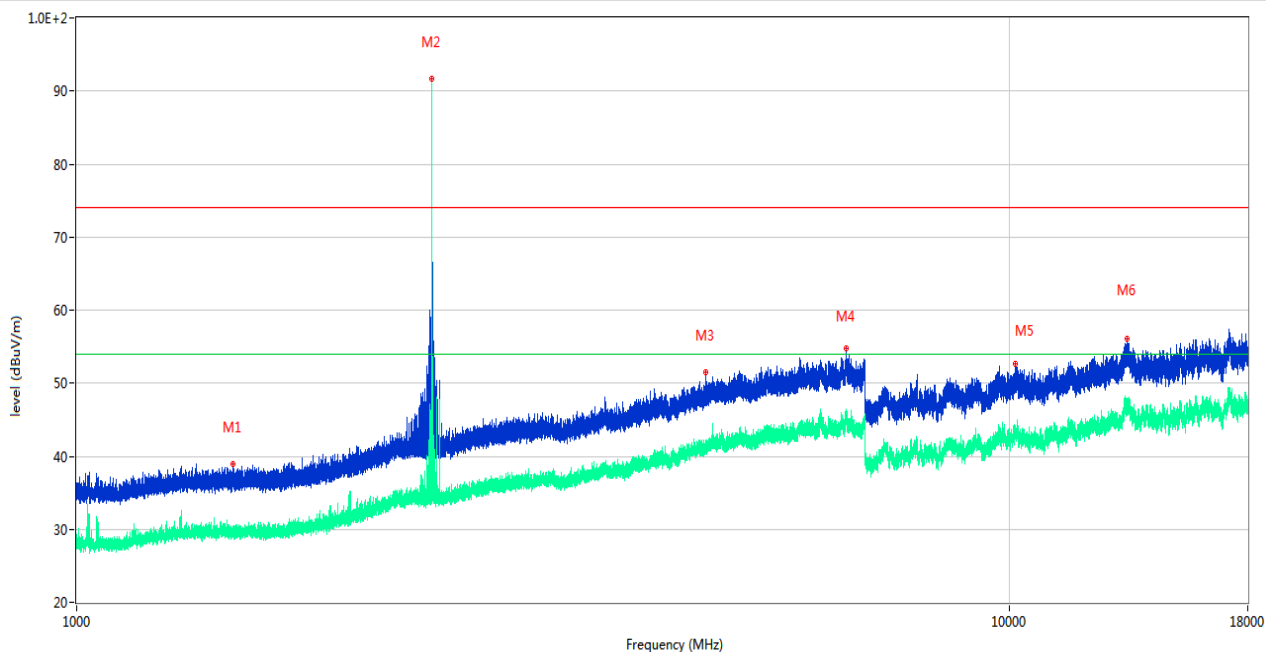


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	68.859	28.28	-29.95	30.0	-1.72	Peak	53.00	145	Vertical	N/A
1*	68.859	21.95	-29.95	30.0	-8.05	QP	53.00	145	Vertical	Pass
2	81.397	19.72	-31.94	30.0	-10.28	Peak	337.00	200	Vertical	Pass
3	112.672	22.52	-28.41	33.5	-10.98	Peak	114.00	100	Vertical	Pass
4	350.020	22.35	-23.36	36.0	-13.65	Peak	215.00	100	Vertical	Pass
5	393.902	24.47	-22.69	36.0	-11.53	Peak	119.00	100	Vertical	Pass

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

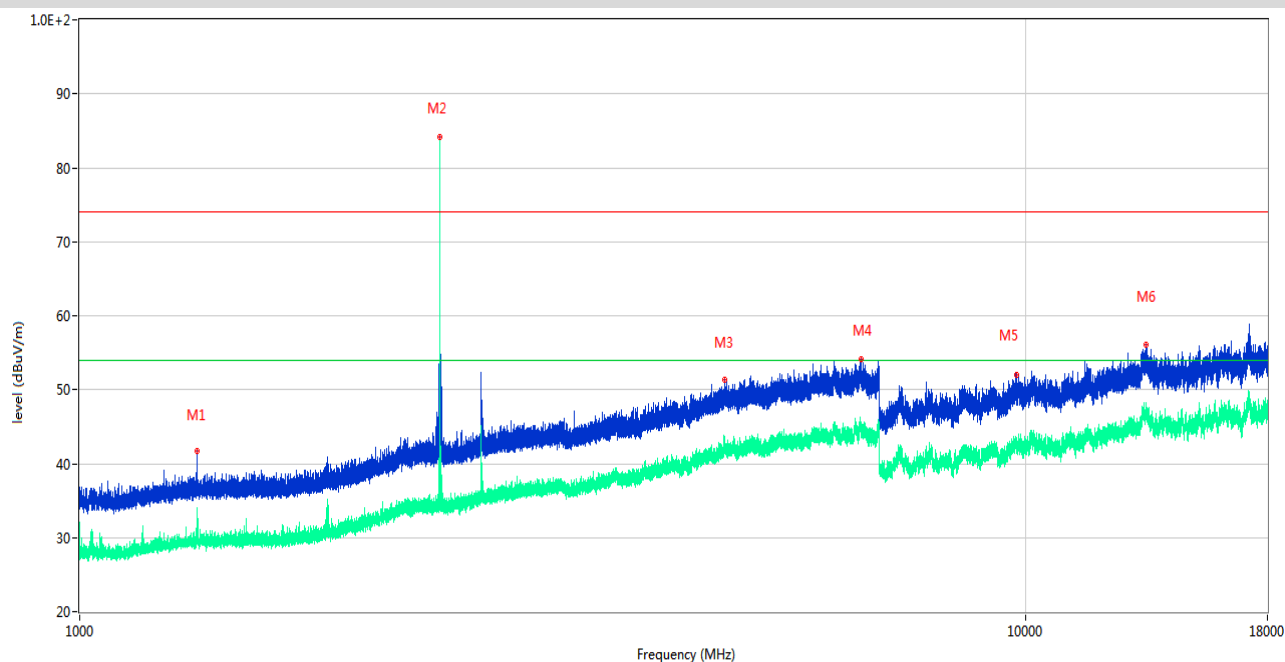
Note 2: The spurious from 18GHz-25GHz is noise only, do not show on the report.

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT H



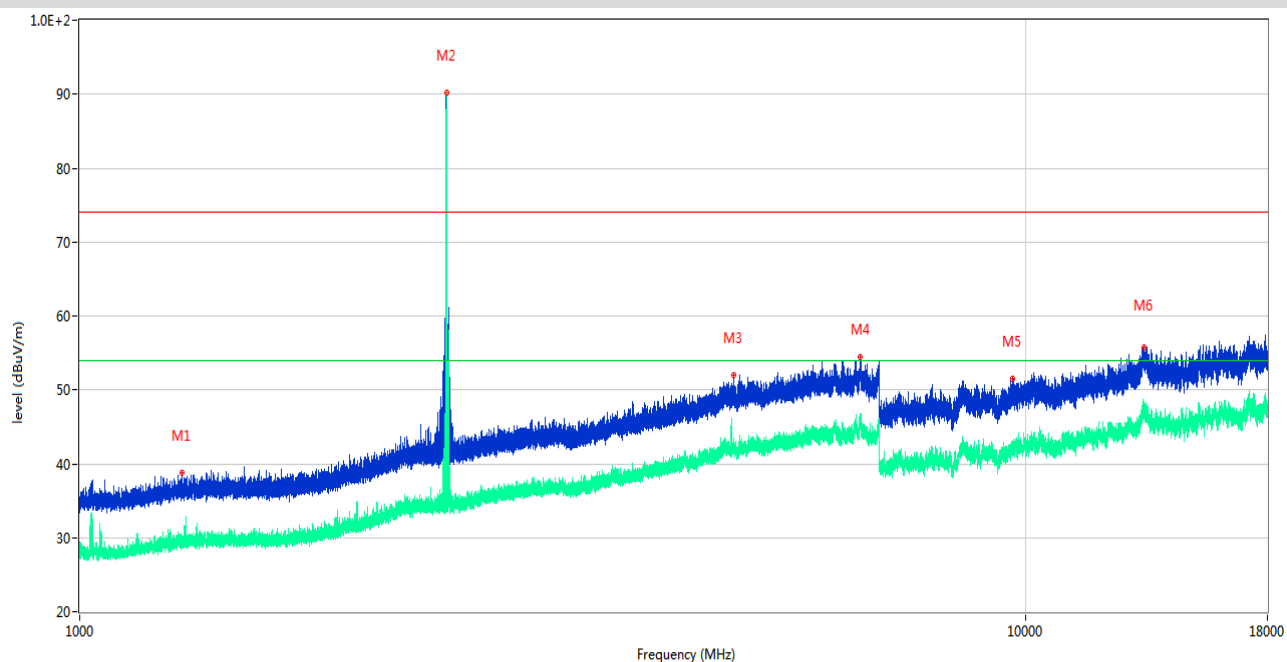
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1469.900	38.93	-17.51	74.0	-35.07	Peak	71.00	150	Horizontal	Pass
1**	1469.900	29.52	-17.51	54.0	-24.48	AV	71.00	150	Horizontal	Pass
2	2401.900	91.63	-12.26	74.0	17.63	Peak	12.00	150	Horizontal	N/A
2**	2401.900	90.97	-12.26	54.0	36.97	AV	12.00	150	Horizontal	N/A
3	4720.400	51.49	-3.81	74.0	-22.51	Peak	104.00	150	Horizontal	Pass
3**	4720.400	40.98	-3.81	54.0	-13.02	AV	104.00	150	Horizontal	Pass
4	6682.200	54.78	-0.46	74.0	-19.22	Peak	313.00	150	Horizontal	Pass
4**	6682.200	45.12	-0.46	54.0	-8.88	AV	313.00	150	Horizontal	Pass
5	10144.675	52.59	0.04	74.0	-21.41	Peak	243.00	150	Horizontal	Pass
5**	10144.675	42.71	0.04	54.0	-11.29	AV	243.00	150	Horizontal	Pass
6	13367.400	56.03	0.72	74.0	-17.97	Peak	115.00	150	Horizontal	Pass
6**	13367.400	45.91	0.72	54.0	-8.09	AV	115.00	150	Horizontal	Pass

GFSK LOW CHANNEL 1 GHz to 18 GHz, ANT V



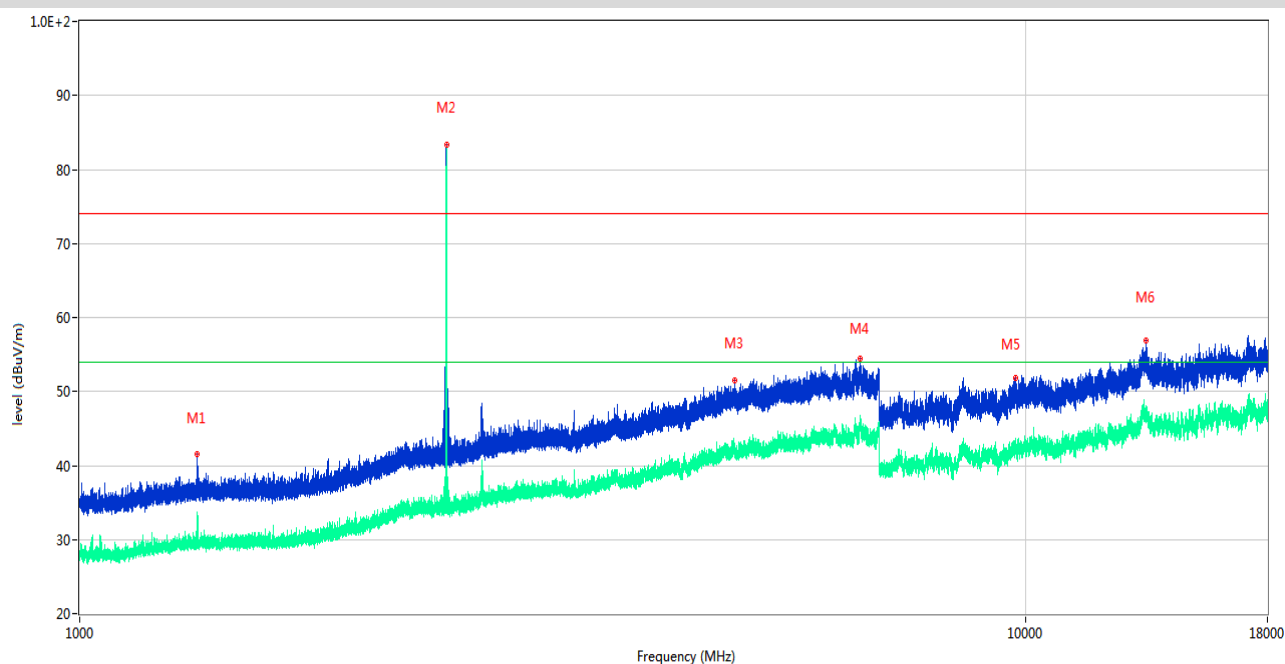
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.300	41.67	-17.44	74.0	-32.33	Peak	100.00	150	Vertical	Pass
1**	1329.300	33.96	-17.44	54.0	-20.04	AV	100.00	150	Vertical	Pass
2	2401.900	84.10	-12.26	74.0	10.10	Peak	158.00	150	Vertical	N/A
2**	2401.900	83.38	-12.26	54.0	29.38	AV	158.00	150	Vertical	N/A
3	4808.200	51.32	-2.97	74.0	-22.68	Peak	72.00	150	Vertical	Pass
3**	4808.200	41.95	-2.97	54.0	-12.05	AV	72.00	150	Vertical	Pass
4	6689.800	54.14	-0.27	74.0	-19.86	Peak	212.00	150	Vertical	Pass
4**	6689.800	45.57	-0.27	54.0	-8.43	AV	212.00	150	Vertical	Pass
5	9767.763	51.99	-0.35	74.0	-22.01	Peak	216.00	150	Vertical	Pass
5**	9767.763	42.56	-0.35	54.0	-11.44	AV	216.00	150	Vertical	Pass
6	13388.401	56.13	0.67	74.0	-17.87	Peak	351.00	150	Vertical	Pass
6**	13388.401	46.28	0.67	54.0	-7.72	AV	351.00	150	Vertical	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H



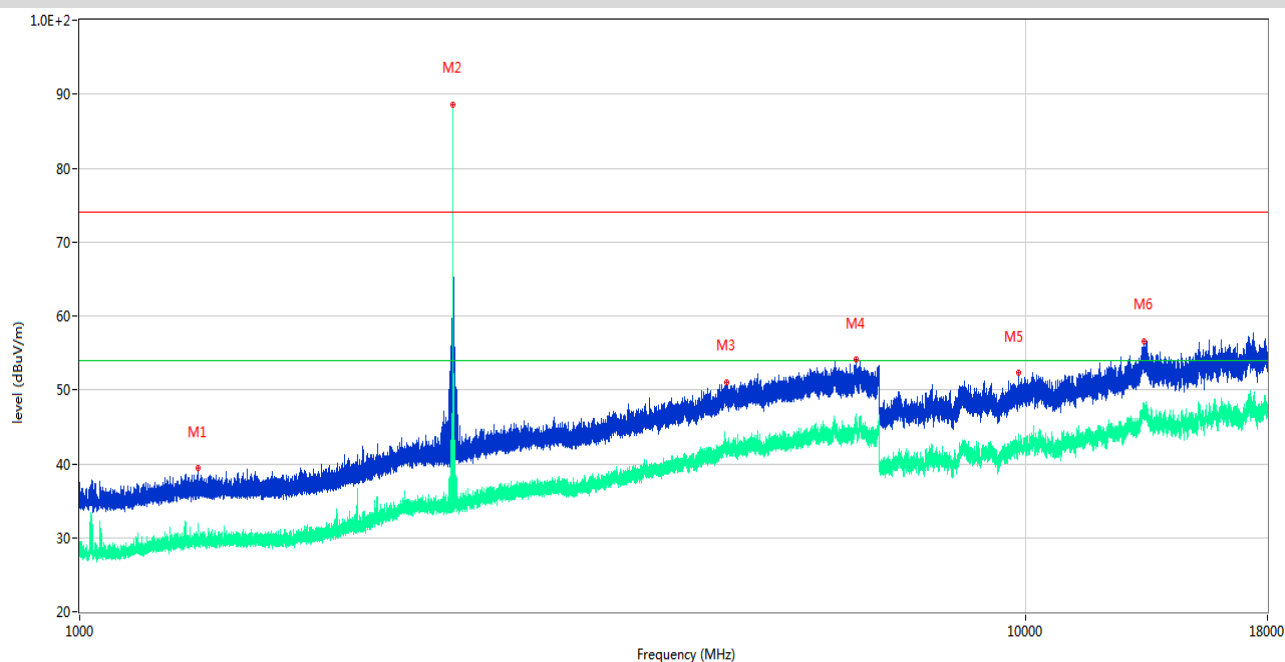
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1284.300	38.79	-17.53	74.0	-35.21	Peak	338.00	150	Horizontal	Pass
1**	1284.300	29.91	-17.53	54.0	-24.09	AV	338.00	150	Horizontal	Pass
2	2440.900	90.47	-12.80	74.0	16.47	Peak	176.00	150	Horizontal	N/A
2**	2440.900	89.49	-12.80	54.0	35.49	AV	176.00	150	Horizontal	N/A
3	4912.800	51.95	-2.25	74.0	-22.05	Peak	177.00	150	Horizontal	Pass
3**	4912.800	42.05	-2.25	54.0	-11.95	AV	177.00	150	Horizontal	Pass
4	6683.800	54.45	-0.34	74.0	-19.55	Peak	1.00	150	Horizontal	Pass
4**	6683.800	45.09	-0.34	54.0	-8.91	AV	1.00	150	Horizontal	Pass
5	9692.724	51.50	0.13	74.0	-22.50	Peak	0.00	150	Horizontal	Pass
5**	9692.724	42.24	0.13	54.0	-11.76	AV	0.00	150	Horizontal	Pass
6	13317.262	55.72	0.89	74.0	-18.28	Peak	311.00	150	Horizontal	Pass
6**	13317.262	46.87	0.89	54.0	-7.13	AV	311.00	150	Horizontal	Pass

GFSK MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V



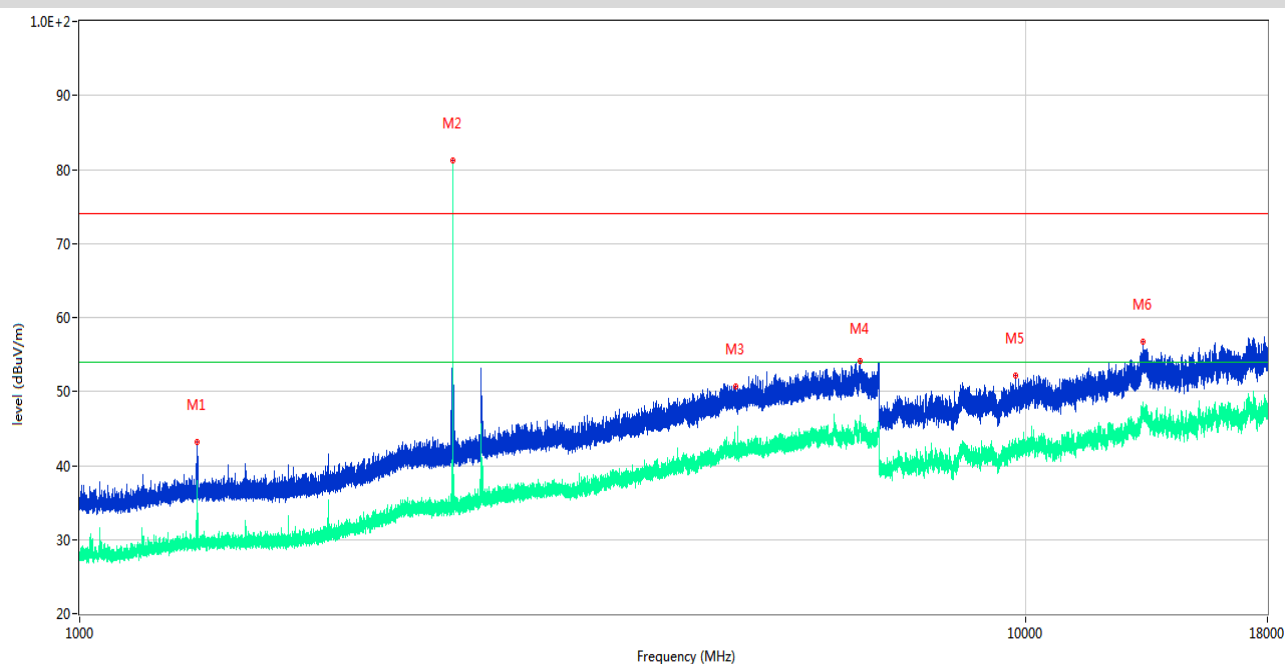
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.600	41.51	-17.40	74.0	-32.49	Peak	83.00	150	Vertical	Pass
1**	1330.600	31.69	-17.40	54.0	-22.31	AV	83.00	150	Vertical	Pass
2	2440.900	83.38	-12.80	74.0	9.38	Peak	155.00	150	Vertical	N/A
2**	2440.900	81.84	-12.80	54.0	27.84	AV	155.00	150	Vertical	N/A
3	4923.400	51.49	-2.56	74.0	-22.51	Peak	90.00	150	Vertical	Pass
3**	4923.400	43.09	-2.56	54.0	-10.91	AV	90.00	150	Vertical	Pass
4	6678.000	54.43	-0.56	74.0	-19.57	Peak	347.00	150	Vertical	Pass
4**	6678.000	45.03	-0.56	54.0	-8.97	AV	347.00	150	Vertical	Pass
5	9755.112	51.77	-0.39	74.0	-22.23	Peak	360.00	150	Vertical	Pass
5**	9755.112	43.44	-0.39	54.0	-10.56	AV	360.00	150	Vertical	Pass
6	13400.212	56.83	0.53	74.0	-17.17	Peak	359.00	150	Vertical	Pass
6**	13400.212	47.07	0.53	54.0	-6.93	AV	359.00	150	Vertical	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT H



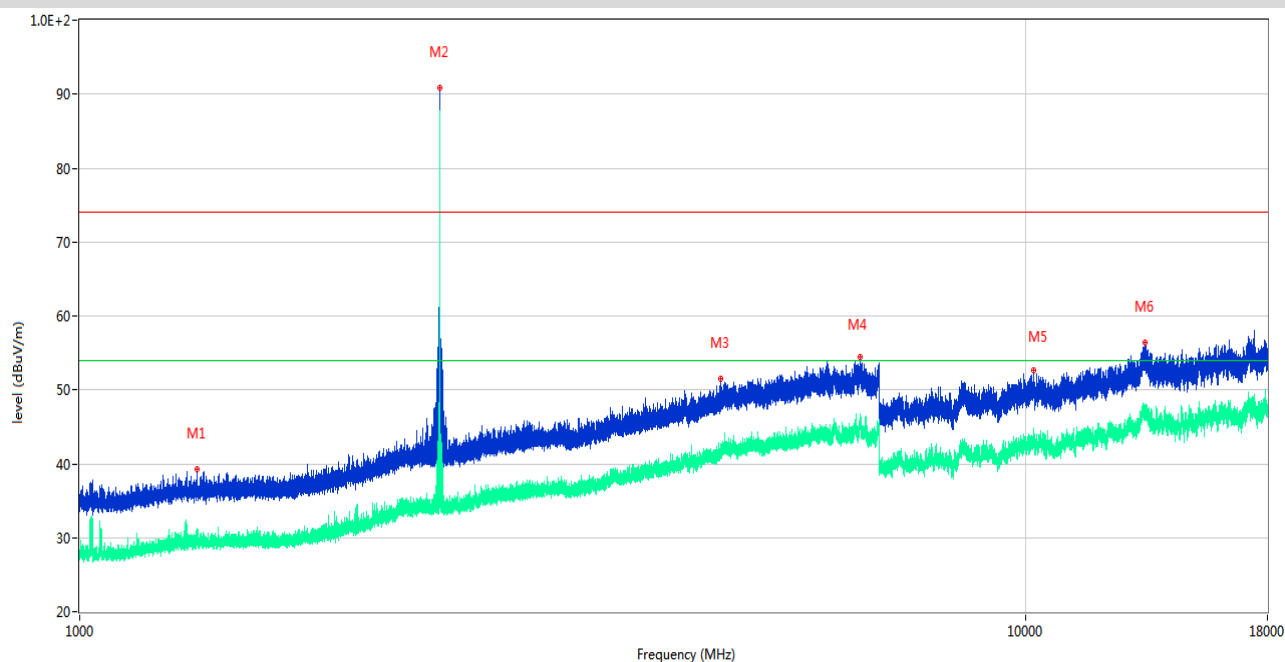
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.600	39.39	-17.43	74.0	-34.61	Peak	113.00	150	Horizontal	Pass
1**	1332.600	29.52	-17.43	54.0	-24.48	AV	113.00	150	Horizontal	Pass
2	2479.900	88.56	-12.43	74.0	14.56	Peak	347.00	150	Horizontal	N/A
2**	2479.900	88.10	-12.43	54.0	34.10	AV	347.00	150	Horizontal	N/A
3	4833.200	51.07	-3.53	74.0	-22.93	Peak	220.00	150	Horizontal	Pass
3**	4833.200	42.52	-3.53	54.0	-11.48	AV	220.00	150	Horizontal	Pass
4	6611.200	54.12	0.19	74.0	-19.88	Peak	75.00	150	Horizontal	Pass
4**	6611.200	44.95	0.19	54.0	-9.05	AV	75.00	150	Horizontal	Pass
5	9820.088	52.32	0.03	74.0	-21.68	Peak	9.00	150	Horizontal	Pass
5**	9820.088	42.58	0.03	54.0	-11.42	AV	9.00	150	Horizontal	Pass
6	13337.213	56.54	1.03	74.0	-17.46	Peak	167.00	150	Horizontal	Pass
6**	13337.213	46.56	1.03	54.0	-7.44	AV	167.00	150	Horizontal	Pass

GFSK HIGH CHANNEL 1 GHz to 18 GHz, ANT V



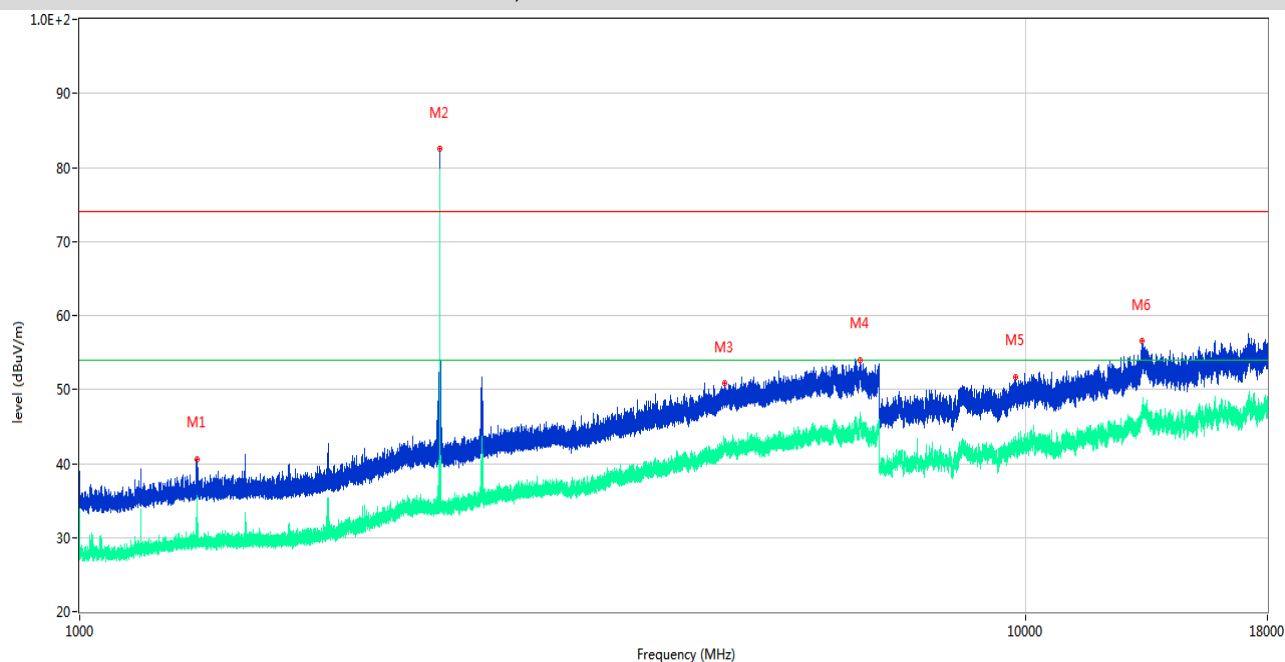
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.600	43.23	-17.40	74.0	-30.77	Peak	172.00	150	Vertical	Pass
1**	1330.600	34.51	-17.40	54.0	-19.49	AV	172.00	150	Vertical	Pass
2	2479.800	81.19	-12.43	74.0	7.19	Peak	163.00	150	Vertical	N/A
2**	2479.800	79.85	-12.43	54.0	25.85	AV	163.00	150	Vertical	N/A
3	4939.400	50.72	-2.97	74.0	-23.28	Peak	10.00	150	Vertical	Pass
3**	4939.400	41.57	-2.97	54.0	-12.43	AV	10.00	150	Vertical	Pass
4	6676.000	54.14	-0.61	74.0	-19.86	Peak	261.00	150	Vertical	Pass
4**	6676.000	45.17	-0.61	54.0	-8.83	AV	261.00	150	Vertical	Pass
5	9750.799	52.15	-0.42	74.0	-21.85	Peak	235.00	150	Vertical	Pass
5**	9750.799	43.53	-0.42	54.0	-10.47	AV	235.00	150	Vertical	Pass
6	13297.050	56.77	0.85	74.0	-17.23	Peak	165.00	150	Vertical	Pass
6**	13297.050	47.10	0.85	54.0	-6.90	AV	165.00	150	Vertical	Pass

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



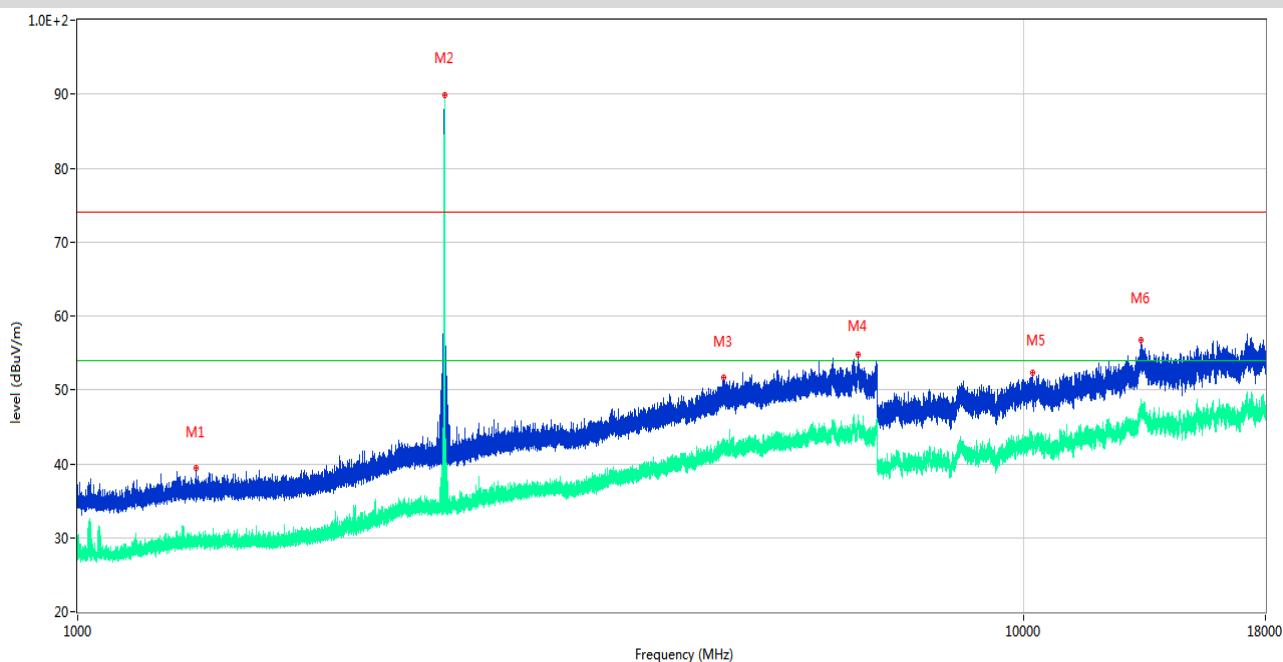
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.100	39.32	-17.41	74.0	-34.68	Peak	176.00	150	Horizontal	Pass
1**	1331.100	30.65	-17.41	54.0	-23.35	AV	176.00	150	Horizontal	Pass
2	2401.900	90.82	-12.26	74.0	16.82	Peak	2.00	150	Horizontal	N/A
2**	2401.900	87.31	-12.26	54.0	33.31	AV	2.00	150	Horizontal	N/A
3	4762.800	51.46	-3.30	74.0	-22.54	Peak	360.00	150	Horizontal	Pass
3**	4762.800	42.13	-3.30	54.0	-11.87	AV	360.00	150	Horizontal	Pass
4	6678.000	54.45	-0.56	74.0	-19.55	Peak	257.00	150	Horizontal	Pass
4**	6678.000	45.26	-0.56	54.0	-8.74	AV	257.00	150	Horizontal	Pass
5	10200.738	52.71	0.47	74.0	-21.29	Peak	309.00	150	Horizontal	Pass
5**	10200.738	43.46	0.47	54.0	-10.54	AV	309.00	150	Horizontal	Pass
6	13361.625	56.35	0.80	74.0	-17.65	Peak	206.00	150	Horizontal	Pass
6**	13361.625	46.79	0.80	54.0	-7.21	AV	206.00	150	Horizontal	Pass

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



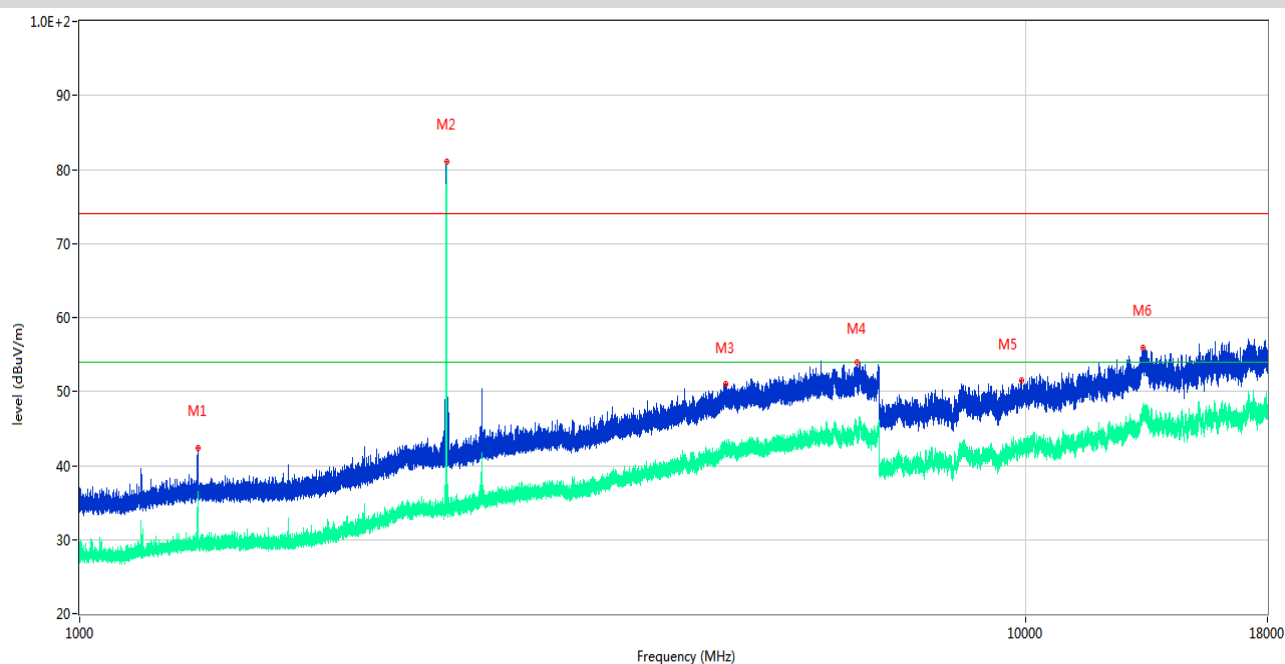
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.700	40.56	-17.42	74.0	-33.44	Peak	11.00	150	Vertical	Pass
1**	1331.700	29.37	-17.42	54.0	-24.63	AV	11.00	150	Vertical	Pass
2	2401.800	82.60	-12.26	74.0	8.60	Peak	167.00	150	Vertical	N/A
2**	2401.800	79.43	-12.26	54.0	25.43	AV	167.00	150	Vertical	N/A
3	4810.600	50.89	-3.00	74.0	-23.11	Peak	129.00	150	Vertical	Pass
3**	4810.600	41.96	-3.00	54.0	-12.04	AV	129.00	150	Vertical	Pass
4	6681.800	54.02	-0.48	74.0	-19.98	Peak	102.00	150	Vertical	Pass
4**	6681.800	45.75	-0.48	54.0	-8.25	AV	102.00	150	Vertical	Pass
5	9755.112	51.62	-0.39	74.0	-22.38	Peak	290.00	150	Vertical	Pass
5**	9755.112	42.19	-0.39	54.0	-11.81	AV	290.00	150	Vertical	Pass
6	13265.287	56.49	0.67	74.0	-17.51	Peak	360.00	150	Vertical	Pass
6**	13265.287	46.24	0.67	54.0	-7.76	AV	360.00	150	Vertical	Pass

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



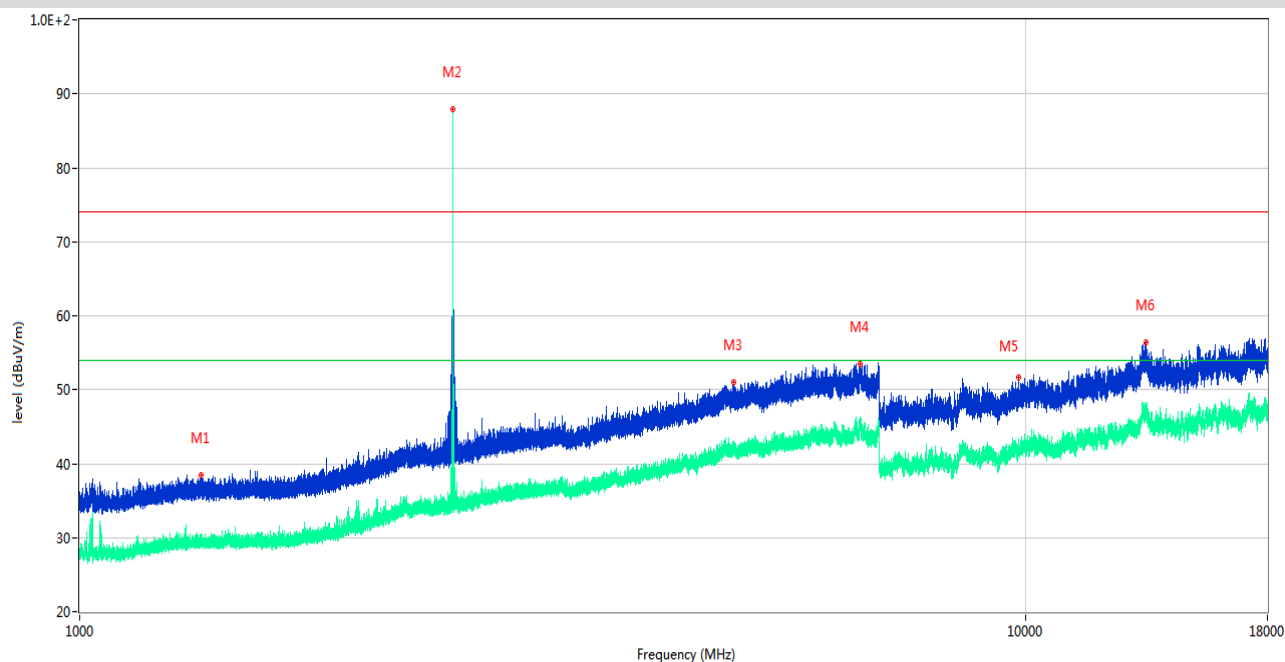
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.600	39.49	-17.43	74.0	-34.51	Peak	202.00	150	Horizontal	Pass
1**	1332.600	29.27	-17.43	54.0	-24.73	AV	202.00	150	Horizontal	Pass
2	2441.200	89.90	-12.84	74.0	15.90	Peak	2.00	150	Horizontal	N/A
2**	2441.200	89.50	-12.84	54.0	35.50	AV	2.00	150	Horizontal	N/A
3	4816.200	51.65	-3.15	74.0	-22.35	Peak	341.00	150	Horizontal	Pass
3**	4816.200	41.82	-3.15	54.0	-12.18	AV	341.00	150	Horizontal	Pass
4	6684.200	54.83	-0.30	74.0	-19.17	Peak	223.00	150	Horizontal	Pass
4**	6684.200	45.18	-0.30	54.0	-8.82	AV	223.00	150	Horizontal	Pass
5	10204.763	52.40	0.34	74.0	-21.60	Peak	95.00	150	Horizontal	Pass
5**	10204.763	43.38	0.34	54.0	-10.62	AV	95.00	150	Horizontal	Pass
6	13293.112	56.65	0.82	74.0	-17.35	Peak	122.00	150	Horizontal	Pass
6**	13293.112	46.80	0.82	54.0	-7.20	AV	122.00	150	Horizontal	Pass

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



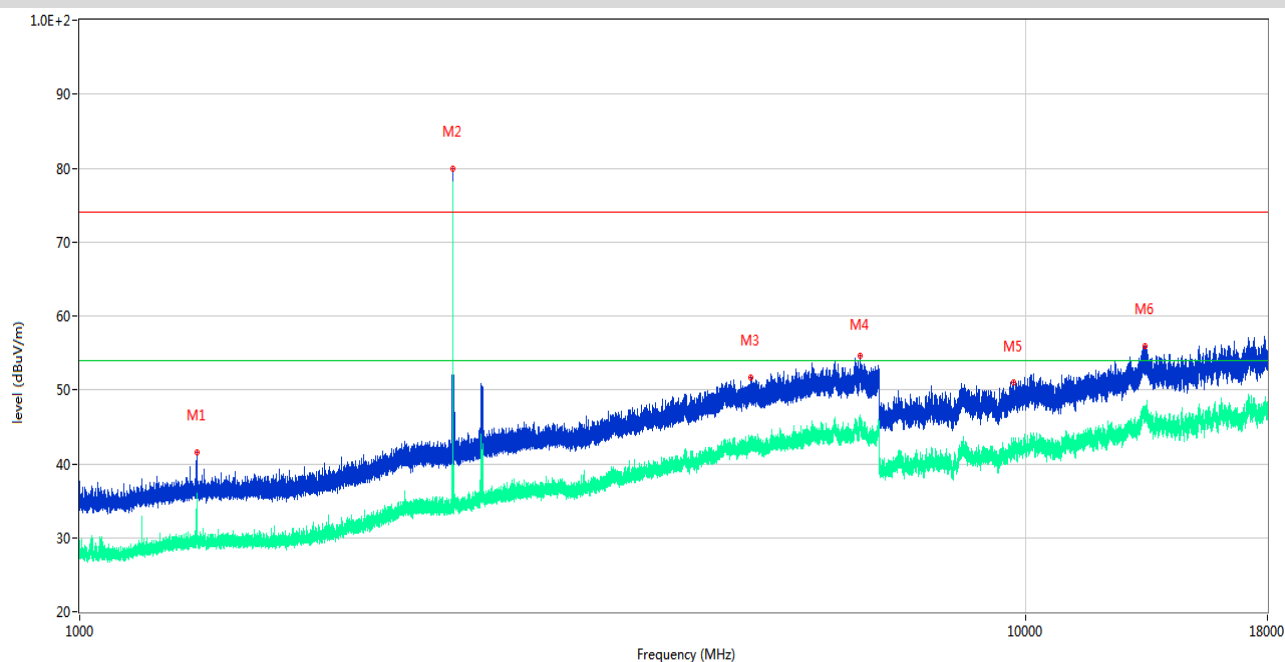
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.200	42.39	-17.44	74.0	-31.61	Peak	109.00	150	Vertical	Pass
1**	1333.200	31.32	-17.44	54.0	-22.68	AV	109.00	150	Vertical	Pass
2	2440.800	81.06	-12.79	74.0	7.06	Peak	177.00	150	Vertical	N/A
2**	2440.800	79.52	-12.79	54.0	25.52	AV	177.00	150	Vertical	N/A
3	4813.400	51.00	-3.07	74.0	-23.00	Peak	103.00	150	Vertical	Pass
3**	4813.400	41.89	-3.07	54.0	-12.11	AV	103.00	150	Vertical	Pass
4	6630.800	53.96	-0.30	74.0	-20.04	Peak	103.00	150	Vertical	Pass
4**	6630.800	44.88	-0.30	54.0	-9.12	AV	103.00	150	Vertical	Pass
5	9895.125	51.45	-0.94	74.0	-22.55	Peak	308.00	150	Vertical	Pass
5**	9895.125	42.72	-0.94	54.0	-11.28	AV	308.00	150	Vertical	Pass
6	13301.775	55.99	0.87	74.0	-18.01	Peak	337.00	150	Vertical	Pass
6**	13301.775	47.50	0.87	54.0	-6.50	AV	337.00	150	Vertical	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1343.000	38.52	-17.33	74.0	-35.48	Peak	355.00	150	Horizontal	Pass
1**	1343.000	30.40	-17.33	54.0	-23.60	AV	355.00	150	Horizontal	Pass
2	2479.800	87.91	-12.43	74.0	13.91	Peak	337.00	150	Horizontal	N/A
2**	2479.800	86.07	-12.43	54.0	32.07	AV	337.00	150	Horizontal	N/A
3	4916.600	51.04	-2.28	74.0	-22.96	Peak	182.00	150	Horizontal	Pass
3**	4916.600	41.84	-2.28	54.0	-12.16	AV	182.00	150	Horizontal	Pass
4	6674.400	53.42	-0.68	74.0	-20.58	Peak	303.00	150	Horizontal	Pass
4**	6674.400	45.82	-0.68	54.0	-8.18	AV	303.00	150	Horizontal	Pass
5	9822.099	51.66	-0.04	74.0	-22.34	Peak	159.00	150	Horizontal	Pass
5**	9822.099	42.22	-0.04	54.0	-11.78	AV	159.00	150	Horizontal	Pass
6	13402.838	56.38	0.54	74.0	-17.62	Peak	358.00	150	Horizontal	Pass
6**	13402.838	46.68	0.54	54.0	-7.32	AV	358.00	150	Horizontal	Pass

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



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.300	41.53	-17.44	74.0	-32.47	Peak	113.00	150	Vertical	Pass
1**	1329.300	29.64	-17.44	54.0	-24.36	AV	113.00	150	Vertical	Pass
2	2480.000	79.85	-12.43	74.0	5.85	Peak	153.00	150	Vertical	N/A
2**	2480.000	77.85	-12.43	54.0	23.85	AV	153.00	150	Vertical	N/A
3	5121.000	51.63	-2.28	74.0	-22.37	Peak	360.00	150	Vertical	Pass
3**	5121.000	41.93	-2.28	54.0	-12.07	AV	360.00	150	Vertical	Pass
4	6683.400	54.57	-0.38	74.0	-19.43	Peak	285.00	150	Vertical	Pass
4**	6683.400	45.73	-0.38	54.0	-8.27	AV	285.00	150	Vertical	Pass
5	9701.063	50.97	-0.04	74.0	-23.03	Peak	193.00	150	Vertical	Pass
5**	9701.063	41.86	-0.04	54.0	-12.14	AV	193.00	150	Vertical	Pass
6	13354.537	56.00	0.96	74.0	-18.00	Peak	0.00	150	Vertical	Pass
6**	13354.537	46.46	0.96	54.0	-7.54	AV	0.00	150	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.

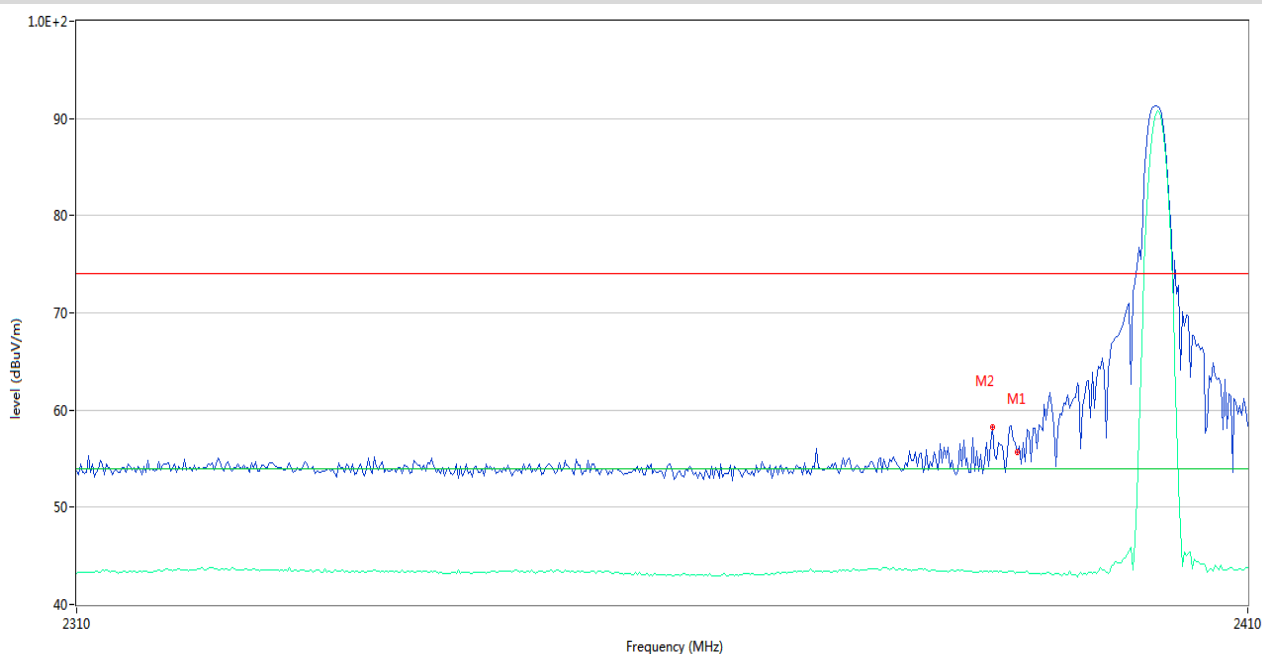
Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note ³: According the ANSI C63.10-2013, 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.

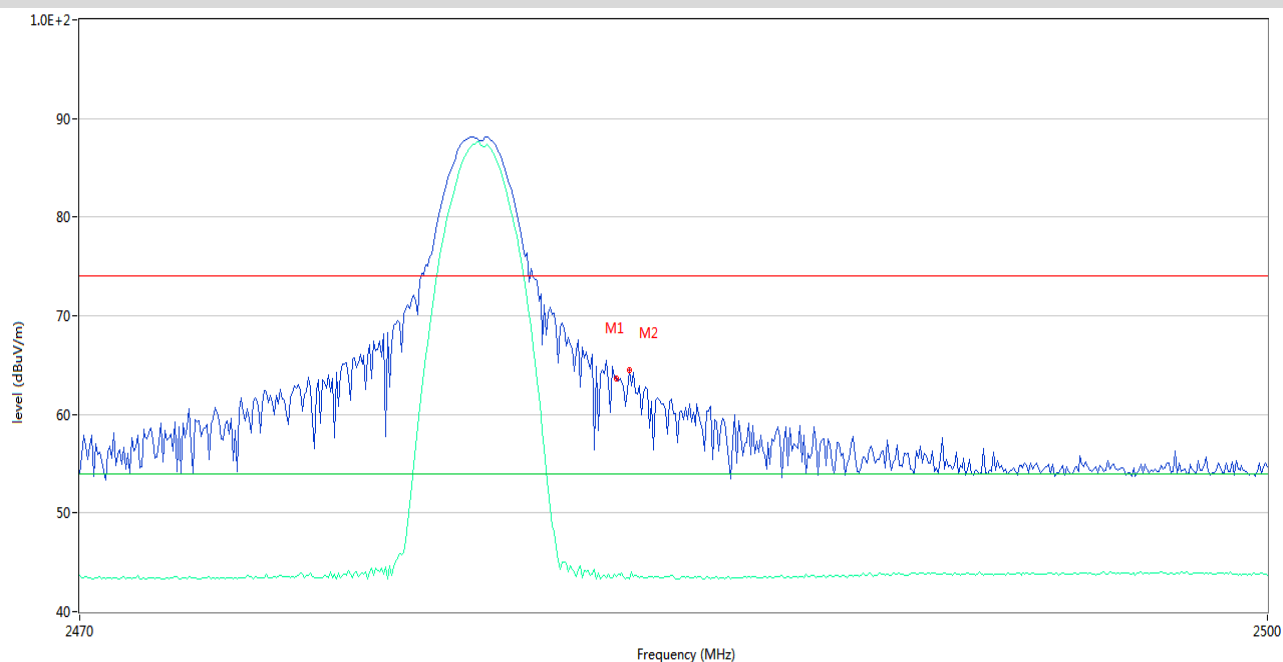
Test Data and Plots

GFSK LOW CHANNEL



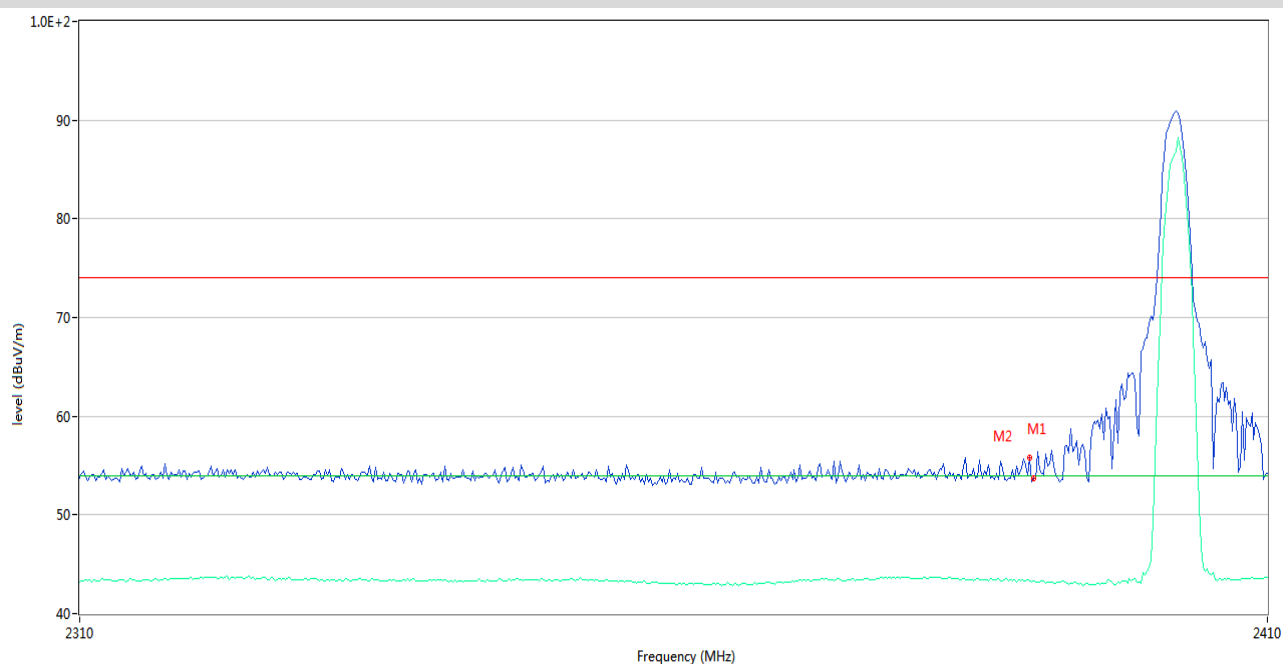
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	55.69	-0.50	74.0	-18.31	Peak	360.00	150	Horizontal	Pass
1**	2390.000	43.36	-0.50	54.0	-10.64	AV	360.00	150	Horizontal	Pass
2	2387.833	58.28	-0.51	74.0	-15.72	Peak	358.00	150	Horizontal	Pass
2**	2387.833	43.30	-0.51	54.0	-10.70	AV	358.00	150	Horizontal	Pass

GFSK HIGH CHANNEL



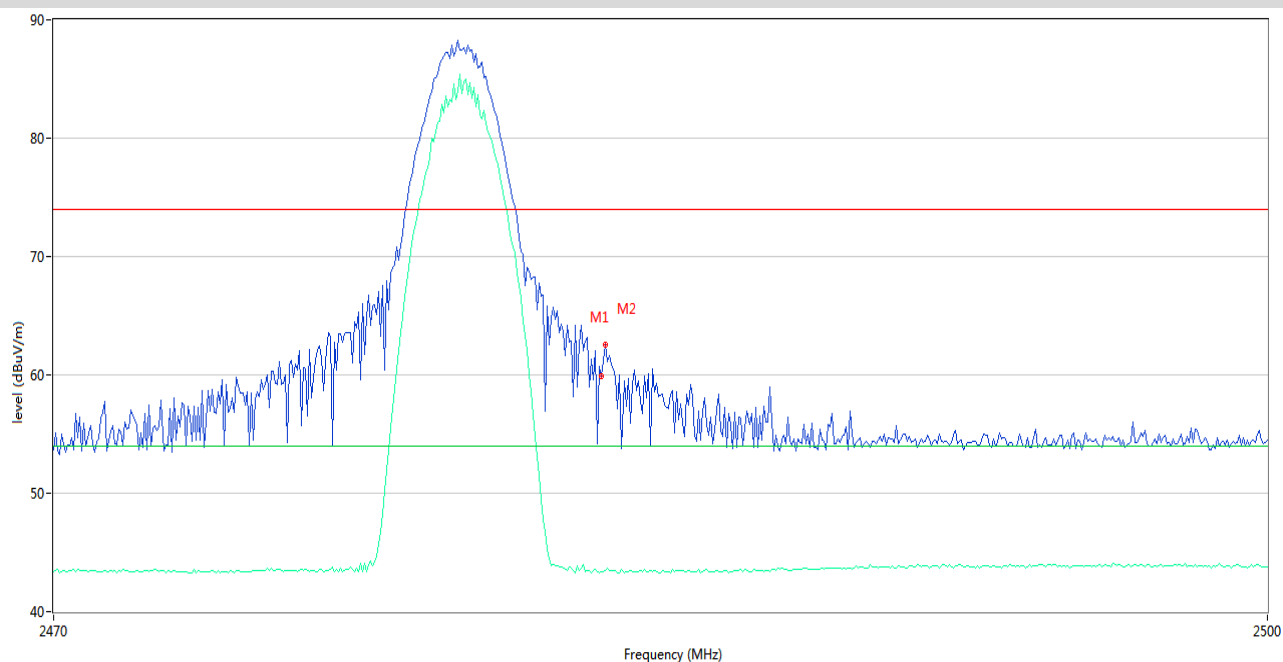
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	63.69	-0.36	74.0	-10.31	Peak	355.00	150	Horizontal	Pass
1**	2483.500	43.60	-0.36	54.0	-10.40	AV	355.00	150	Horizontal	Pass
2	2483.850	64.51	-0.35	74.0	-9.49	Peak	191.00	150	Horizontal	Pass
2**	2483.850	43.31	-0.35	54.0	-10.69	AV	191.00	150	Horizontal	Pass

8-DPSK LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	53.72	-0.50	74.0	-20.28	Peak	104.00	150	Horizontal	Pass
1**	2390.000	43.25	-0.50	54.0	-10.75	AV	104.00	150	Horizontal	Pass
2	2389.667	55.82	-0.49	74.0	-18.18	Peak	85.00	150	Horizontal	Pass
2**	2389.667	43.30	-0.49	54.0	-10.70	AV	85.00	150	Horizontal	Pass

8-DPSK HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	59.87	-0.36	74.0	-14.13	Peak	191.00	150	Horizontal	Pass
1**	2483.500	43.36	-0.36	54.0	-10.64	AV	191.00	150	Horizontal	Pass
2	2483.600	62.60	-0.36	74.0	-11.40	Peak	178.00	150	Horizontal	Pass
2**	2483.600	43.51	-0.36	54.0	-10.49	AV	178.00	150	Horizontal	Pass

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ21C0348-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ21C0348-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ21C0348-AI.PDF”.

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