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FCC EVALUATION REPORT FOR CERTIFICATION

Project No. : NK-26-R-224**Dates of receipt :** June 8, 2026**Applicant :** Maytel Co., Ltd.**Dates of Issue :** September 18, 2026#416 Doosan Venture Digm 126-1, Pyeongchon-dong,
Dongan-gu, Anyang-si, Gyeonggi-do, Korea
(the Republic of)**Test Site :**

Nemko Korea Co., Ltd.

FCC ID :

YJH-GCX24G

Applicant :

Maytel Co., Ltd.

Brand Name :**Model:**

GCX-2.4G

Additional Model(s):

GrandCom-X 2.4G, RefAudio-X, GCX-2.4, GCX

EUT Type:

Information Technology Audio

Classification:

FCC Part 15 Spread Spectrum Transmitter (DSS)

Date of Test:

June 11, 2026 ~ September 16, 2026

Applied Standard:

FCC 47 CFR Part 15.247

The device bearing the brand name and model specified above has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2020. The client should not use it to claim product endorsement by TAF or any government agencies. The test results in the report only apply to the tested sample.

I attest to the accuracy of data and all measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.



Tested By : Heesu Ahn

Test Engineer



Reviewed By : Hoonpyo Lee

Technical Manager

Revision History

Rev.	Issue Date	Revisions	Revised By
00	September 18, 2026	Initial issue	Heesu Ahn

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1. INTRODUCTION

1.1 Test facility

The measurement procedure described in American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz (ANSI C63.4-2014), the American National Standard for Testing Unlicensed Wireless Devices (ANSI C63.10-2020) was used in determining radiated and conducted emissions emanating.

These measurement tests were conducted at **Nemko Korea Co., Ltd.**

The site address 165-51, Yurim-ro, Cheoin-gu, Yongin-si, Gyeonggi-do, 17042, Rep. of Korea.

2.2 Accreditation and listing

Accreditation type		Accreditation number
	CAB Accreditation for DOC	Designation No. KR0026
	KOLAS Accredited Lab. (Korea Laboratory Accreditation Scheme)	Registration No. KT155
	Canada IC Registered site	Site No. 29506
	VCCI registration site(RE/CE/Telecom CE)	Member No. 2118
	EMC CBTL	TL124
	KCC(RRL)Designated Lab.	Registration No. KR0026

2. EUT INFORMATION & TEST CONDITIONS

2.1 EUT Information

2.1.1 Specifications:

Product	GrandCom-X
Model Name	GCX-2.4G
Variant Model Name	GrandCom-X 2.4G, RefAudio-X, GCX-2.4, GCX
Frequency of Operation	2 407 MHz ~ 2 476 MHz
Peak Output Power (Conducted)	15.12 dBm
Number of Channels	139 CH*
Modulations	GFSK
Antenna Gain (peak)	2.28 dBi
Antenna Setup	1TX / 1RX
EUT Test Voltage	DC 3.7 V
Hardware Version	V1.0
Software Version	V1.0
Remarks	This device uses 40 random hopping channels among total 139 channels.

2.2 Operation During Test

The EUT is a transceiver operating in GFSK mode.

The EUT software was used to control the transmitter and configure continuous transmission on the desired channel.

The operating voltage of the EUT was 3.7 Vdc, which was supplied through a DC power line.

The EUT was tested at the lowest, middle and the highest channels with the maximum output power in accordance with the manufacturer's specifications. The worst data were recorded in the report.

2.2.1 Table of Test power setting

Frequency	Modulation	Power setting Level
2 407 MHz ~ 2 476 MHz	GFSK	Default

2.2.2 Table of Test frequency

Frequency band	Modulation	Test Channel (CH)	Frequency (MHz)
2.4 GHz	GFSK	0	2 407
		69	2 441.5
		138	2 476

Note :

This device uses 40 random hopping channels among total 139 channels.

2.2.3 Antenna Information

Frequency band	Modulation	Antenna TX mode	Support CDD	Support MIMO
2.4 GHz	GFSK	☒ 1TX, ☐ 2TX	☐ Yes, ☒ No	☐ Yes, ☒ No

2.2.4 Output Power(Peak & Average)

Modulation scheme	Frequency	Peak Output Power (dBm)	Average ^{Note1} Output Power (dBm)
GFSK	2 407	15.12	5.88
	2 441.5	14.40	5.16
	2 476	13.66	4.42

Note 1: This value is time-averaged.

2.2.5 Additional Information Related to Testing

The cable and attenuator loss from 30 MHz to 26.5 GHz was reflected in spectrum analyzer with correction factor for all conducted testing.

2.2.6 Worst-case Configuration and Mode

Radiated emission below 1GHz was performed with the EUT set to transmit at the channel with highest output power as worst-case scenario.

Radiated emission above 1GHz was performed with the EUT set to transmit low/mid/high channels.

The emissions (Band-edge & spurious emissions) were investigated in three orthogonal orientations X, Y and Z.

Accordingly, the orientation was determined and tested as shown in the table below:

Test Items	X	Y	Z
Band-edge	-	O	-
Spurious emissions	-	O	-

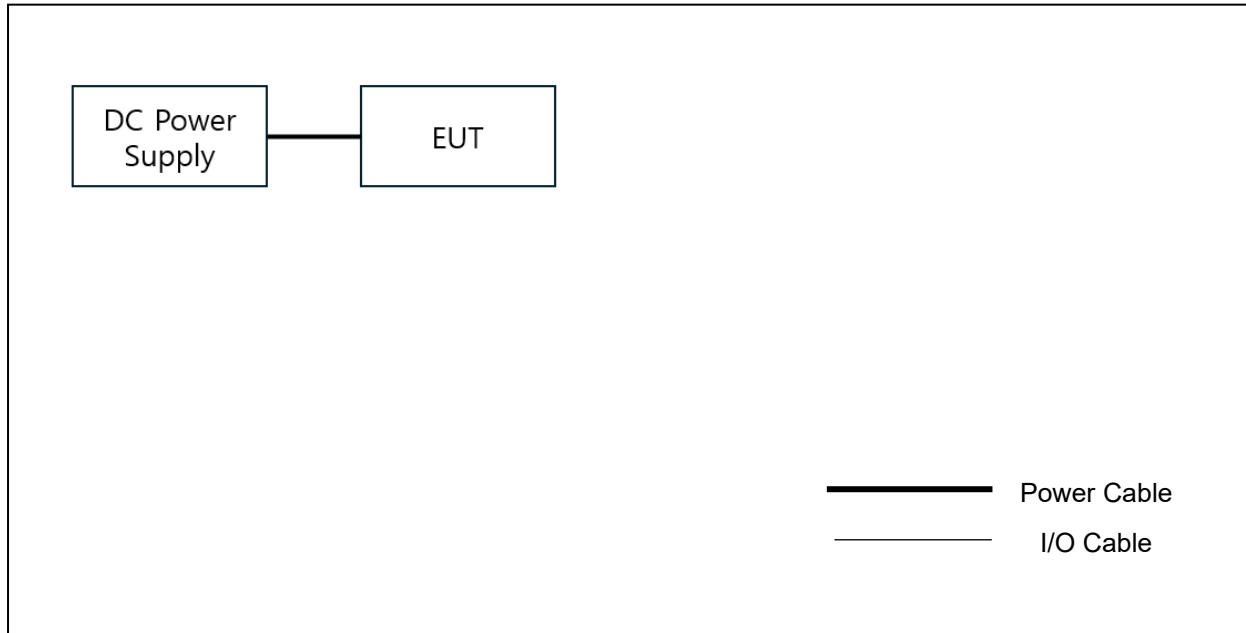
2.2.7 Additional model covered by this report

- GrandCom-X 2.4G, RefAudio-X, GCX-2.4, GCX

2.3 Support Equipment

EUT	Maytel Co., Ltd. Model : GCX-2.4G	S/N: N/A
Laptop Computer	-	-
AC/DC Adapter	-	-

2.4 Setup Drawing



3. ANTENNA REQUIREMENTS

Measurement and determination of electromagnetic emissions (EME) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission under FCC part 15.

§15.203 of the FCC Rules part 15 Subpart 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 transmitter has permanently attached Helical antenna (Internal antenna) inside the EUT case.

Used Antenna	
Model name	2 400 MHz ~ 2 484 MHz
	Max. peak gain (dBi)
MB2710S	2.28

4. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specification:

Name of Test	FCC Paragraph No.	Test Limit	Test Condition	Result	Remark
20 dB Bandwidth	15.247(a)(1)	-	Conducted	Complies	-
Peak Output Power	15.247(b)(1)	< 125 mW		Complies	-
Carrier Frequency Separation	15.247(a)(1)	> two-thirds of the 20 dB bandwidth		Complies	-
Number of Hopping Channel	15.247(a)(1)(iii)	More than 15 channels		Complies	-
Transmitter Average Time of Occupancy	15.247(a)(1)(iii)	< 0.4 s		Complies	-
Band Edge / Conducted Spurious Emission	15.247(d)	≥ 20 dBc		Complies	-
Radiated Spurious Emission	15.205, 15.209	< 74 dB μ V/m (PK) < 54 dB μ V/m (AV) Radiated limits detailed in 15.209	Radiated	Complies	-
AC Line Conducted Emission	15.207	FCC 15.207 Limits	Line Conducted	Not Applicable	Note

Note : This device is powered by a battery (DC 3.7 V).

5. TEST METHODOLOGY

1. FCC CFR 47 Part 2.
2. FCC CFR 47 Part 15.
3. KDB 558074 D01 15.247 Meas Guidance v05r02.
4. ANSI C63.10-2020.

6. DESCRIPTION OF TESTS

6.1 Duty Cycle

Test Setup



Test Measurement Method

ANSI C63.10-2020, Section 11.6

Test Procedure

EUTs Duty Cycle is measured at low channel with a spectrum analyzer connected to the antenna terminal while the EUTs operating at its maximum power control level.

The spectrum analyzer setting is as follows.

RBW $\geq$ OBW

VBW $\geq$ RBW

Span = zero span

Detector = Peak

The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100.

6.2 20 dB Bandwidth

Test Setup



Test Measurement Method

ANSI C63.10-2020, Section 6.9.2

Test Procedure

The transmitter is set to the Low, Middle, High channels is connected to the spectrum analyzer.

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

RBW = 1% to 5% of the OBW

VBW = approximately 3 x RBW

Detector = Peak

Trace mode = max hold

Sweep = auto

Allow trace to fully stabilize.

The bandwidth measurement function on the spectrum analyzer is used to measure the 20 dB bandwidth.

6.3 Carrier Frequency Separation

Test Setup



Test Measurement Method

ANSI C63.10-2020, Section 7.8.2

Test Procedure

The EUT must have its hopping function enabled. The following spectrum analyzer setting is used.

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

RBW $\geq$ approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel

VBW $\geq$ RBW

Sweep = auto

Detector = 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.

6.4 Transmitter Average Time of Occupancy

Test Setup



Test Measurement Method

ANSI C63.10-2020, Section 7.8.4

Test Procedure

The transmitter output is connected to a spectrum analyzer. The following spectrum analyzer setting is used.

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.

VBW $\geq$ RBW

Sweep = as necessary to capture the entire dwell time per hopping channel

Detector = Peak

Trace = Single sweep

Use the marker-delta function to determine the width of pulse

6.5 Number of Hopping Channels

Test Setup



Test Measurement Method

ANSI C63.10-2020, Section 7.8.3

Test Procedure

Span = The frequency band of operation.

RBW = less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.

VBW $\geq$ RBW

Sweep = Auto

Detector = Peak

Trace = Max hold

Allow trace to fully stabilize.

6.6 Peak Output Power

Test Setup



Test Measurement Method

ANSI C63.10-2020, Section 7.8.5

Test Procedure

The transmitter is set to the Low, Middle, High channels is connected to the spectrum analyzer.

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

RBW > 20 dB bandwidth of the emission being measured

VBW ≥ RBW

Sweep = auto

Detector = peak

Trace = max hold

6.7 Conducted Spurious Emissions

Test Setup



Test Measurement Method

ANSI C63.10-2020, Section 7.8.6, 7.8.8

Test Procedure

Measurements are made over the 30 MHz to 26.5 GHz range with the transmitter set to the Lowest, middle and highest channels.

RBW = 100kHz

VBW = 300kHz

Sweep = auto

Detector = peak

Trace = max hold

6.8 Radiated Emissions

Test Measurement Method

ANSI C63.10-2020, Section 6.6.4.3, Section 11.11, Section 11.12

Test Procedure

The measurement was performed at the test site that is specified in accordance with ANSI C63.10-2020. The spurious emission was scanned from 9 kHz to 30 MHz using Loop Antenna and 30 to 1000 MHz using Trilog broadband test antenna. Above 1 GHz, Horn antenna was used.

For emissions testing at below 1GHz, The test equipment was placed on turntable with 0.8 m above ground. For emission measurements above 1 GHz, The test equipment was placed on turntable with 1.5 m above ground. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The EUT, cable, wire arrangement and mode of operation that has the highest amplitude relative to the limit was selected. Then, the turn table was rotated from 0° to 360° and an antenna mast was moved from 1 m to 4 m height to maximize the suspected highest amplitude signal. The final maximized level was recorded.

At frequencies below 1000 MHz, measurements performed using the CISPR quasi-peak detection. At frequencies above 1000 MHz, measurements performed using the peak and average measurement procedures described in ANSI 63.10-2020 section 11.12. Peak emission levels were measured by setting the analyzer RBW = 1 MHz, VBW = 3 MHz, Detector = Peak, Trace mode = max hold. Average emission levels were measured by setting the analyzer RBW = 1 MHz, VBW = 1 kHz, Detector = Peak, Trace mode = max hold. Allow max hold to run for at least 50 times (1/duty cycle) traces.

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
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

Radiated Emissions Limits per 47 CFR 15.209(a) & RSS-Gen (8.9)

7. TEST DATA

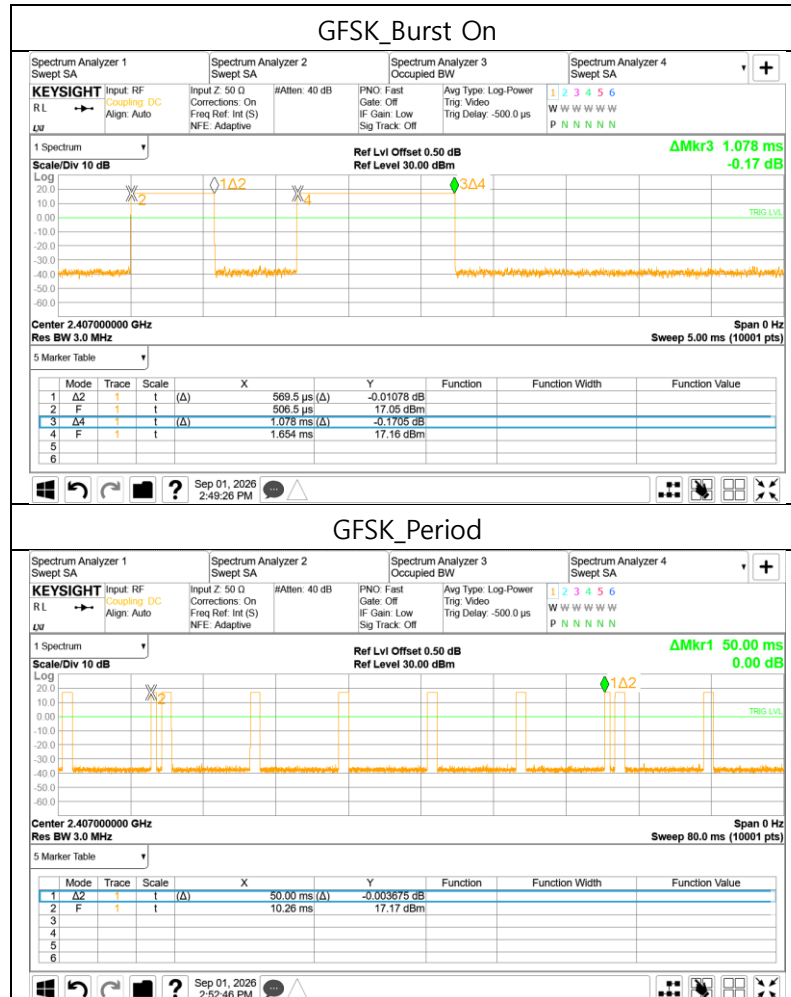
7.1 Duty Cycle

For reporting purposes only.

Result

Mode	On time [msec]	Period [msec]	Duty cycle x [Linear]	Duty Cycle [%]	Duty Cycle Correction Factor [dB]	1/T Minimum CBW [kHz]
GFSK	5.960	50.0	0.119	11.929	9.24	0.61

PLOTS OF EMISSIONS



7.2 20 dB Bandwidth

FCC §15.247(a)(1)

Test Mode : Set to Lowest channel, Middle channel and Highest channel

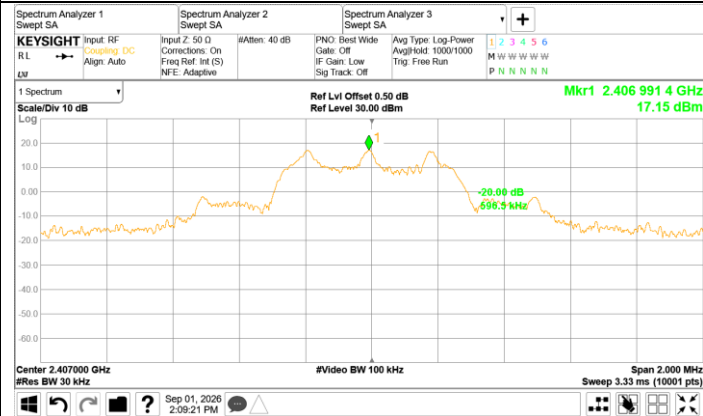
Result

Modulation	Channel	Frequency (MHz)	20 dB Bandwidth (MHz)
GFSK	Lowest	2 407	0.597
	Middle	2 441.5	0.596
	Highest	2 476	0.596

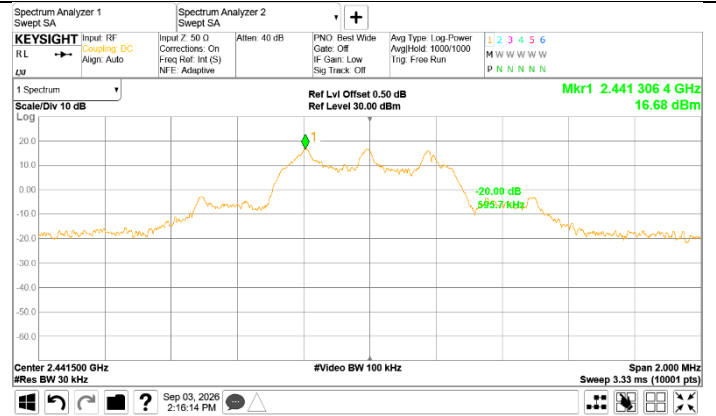
PLOTS OF EMISSIONS

GFSK

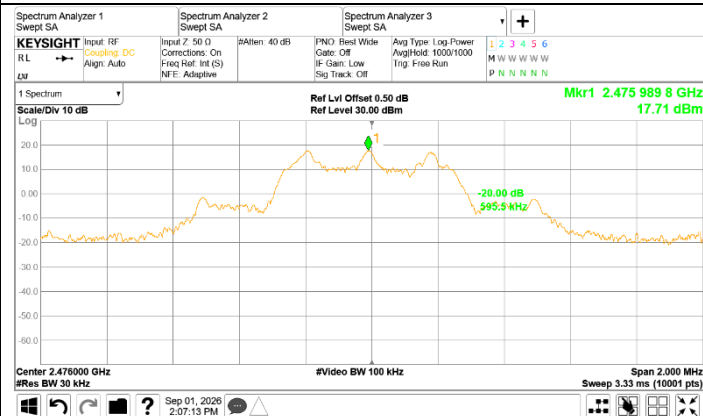
Lowest Channel



Middle Channel



Highest Channel



Blank

7.3 Carrier Frequency Separation

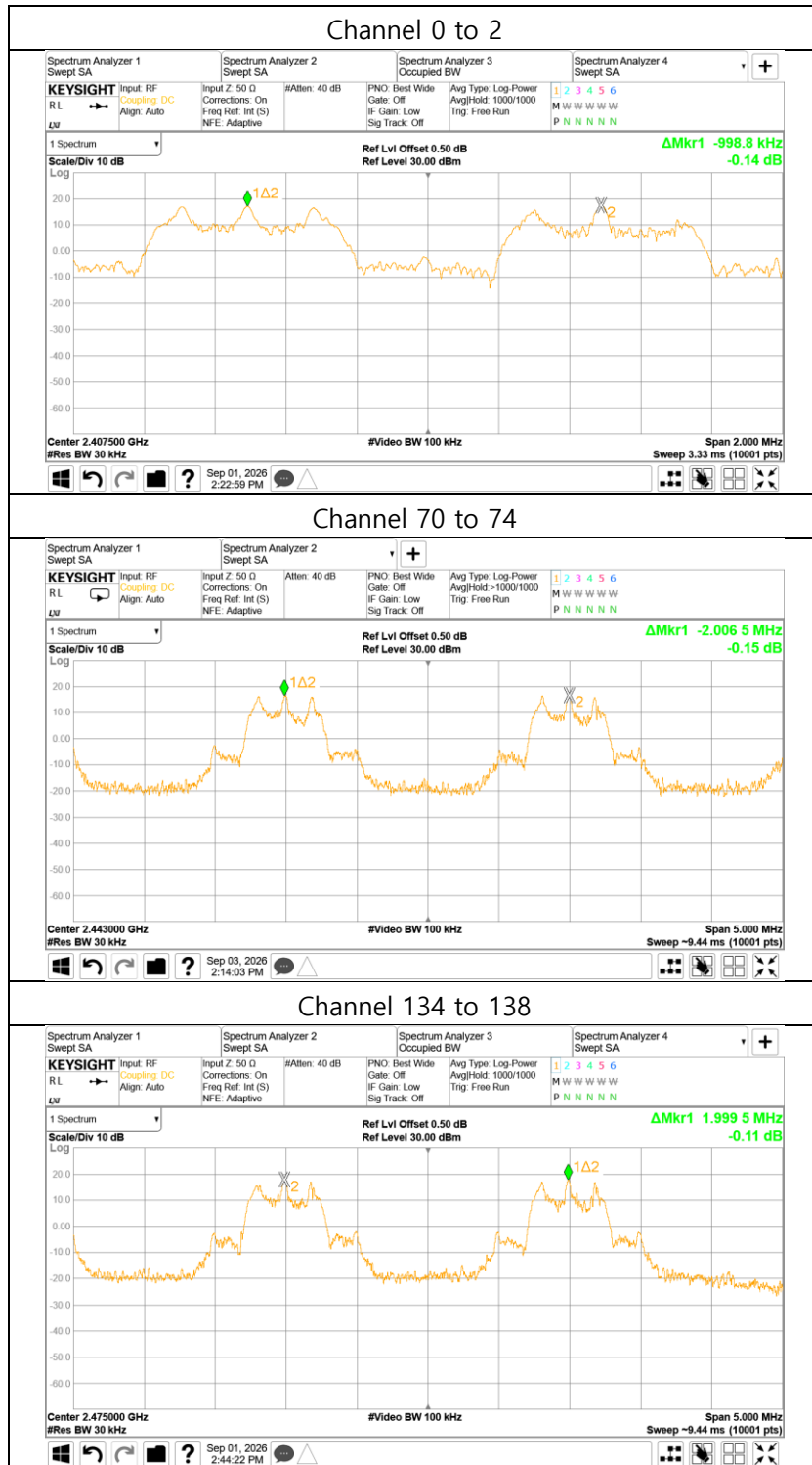
FCC §15.247(a)(1)

Test Mode : Set to Hopping mode

Result

Modulation	Test Hopping Channel Number	Carrier Frequency Separation (MHz)	Limit (2/3 of 20dB Bandwidth) (MHz)
GFSK	0 to 2	0.999	0.597
	70 to 74	2.007	0.596
	134 to 138	1.995	0.596

PLOTS OF EMISSIONS



7.4 Transmitter Average Time of Occupancy

FCC §15.247(a)(1)

Test Mode : Set to Hopping mode

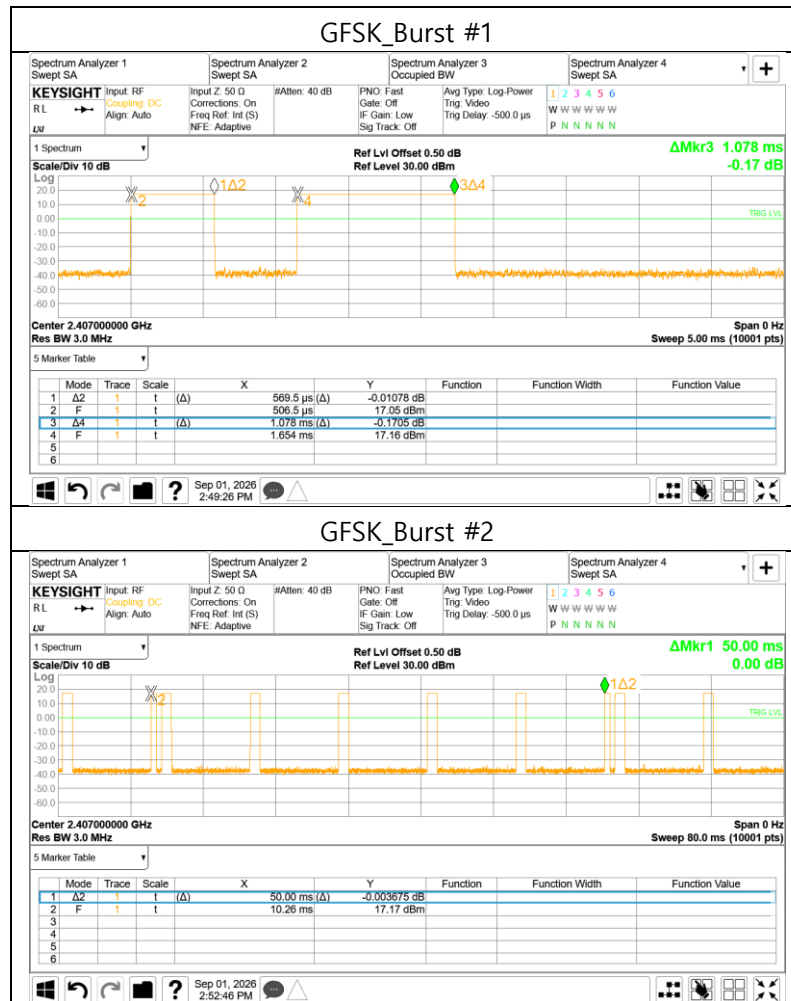
Result

Mode	Pulse width (ms)	*)Numbers of slots	**) Average time of Occupancy (ms)	Limit (ms)	Margin (ms)
GFSK	5.96	1.33	7.95	400	392.05

GFSK mode

- 1) This result was measured at GFSK mode, which has longest time in one transmission burst.
- 2) The GFSK mode has a channel hopping rate of 20 hops/s and 40 hopping channels.
- 3) The average time of occupancy in the specified 16 second period (40 channels x 0.4 s) is equal to pulse width x (hopping rate / 6) / 40 x (0.4 x hopping channels).
- 4) *) Numbers of slots in 16 sec = (20 / 6) / 40 x 16 = 1.333
- 5) **) Average time of Occupancy = Pulse width x 1.33

PLOTS OF EMISSIONS



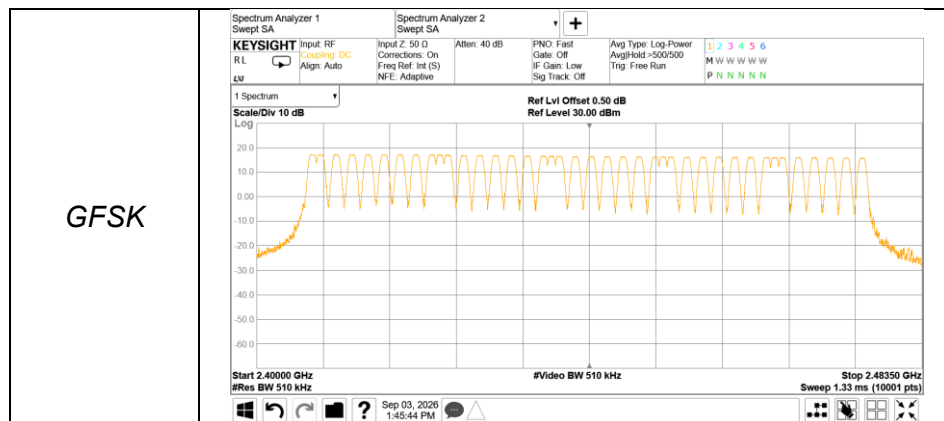
7.5 Number of Hopping Channels

FCC §15.247(a)(1)(iii)

Test Mode : Set to Hopping mode

Result

The EUT complies with the minimum of 15 hopping channels when it is operating GFSK mode using 40 channels.



7.6 Peak Output Power

FCC §15.247(b)(3)

Test Mode : Set to Lowest channel, Middle channel and Highest channel

Result

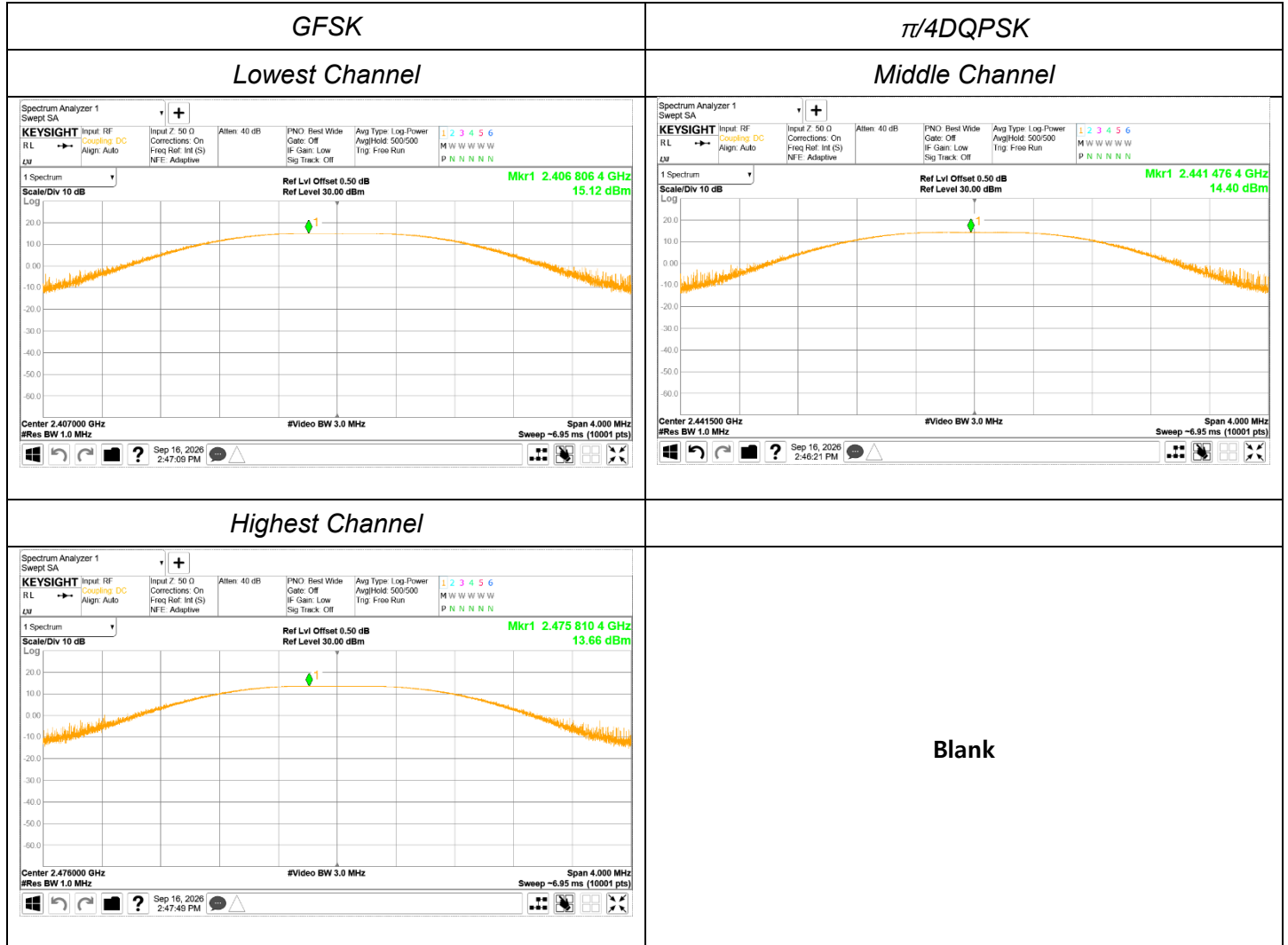
Modulation	Channel	Frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)
GFSK	Lowest	2 407	15.12	20.97
	Middle	2 441.5	14.40	20.97
	Highest	2 476	13.66	20.97

Notes:

1. The following equation was used for spectrum offset:

$$\text{Spectrum offset (dB)} = \text{Attenuator (dB)} + \text{Cable Loss (dB)} + \text{SMA Type Connector Loss (dB)}$$

PLOTS OF EMISSIONS



7.7 Conducted Spurious Emissions

FCC §15.247(d)

Test Mode : Set to Lowest channel, Middle channel and Highest channel

Result

Modulation	Channel	Frequency (MHz)	Conducted Spurious Emissions (dBc)	Limit (dBc)
GFSK	Lowest	2 407	More than 20 dBc	20
	Middle	2 441.5	More than 20 dBc	20
	Highest	2 476	More than 20 dBc	20

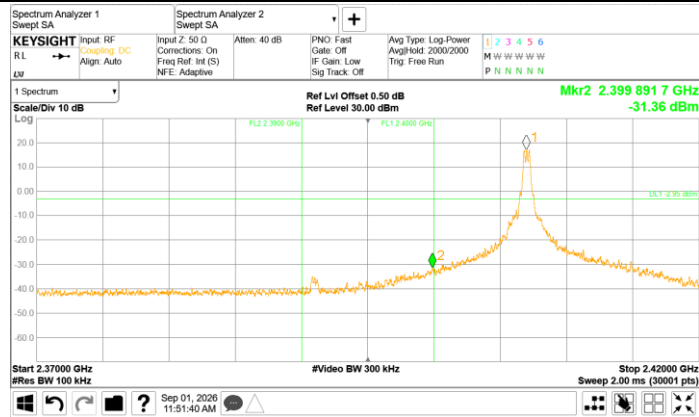
Notes:

The cable and attenuator loss from 30 MHz to 26.5 GHz was reflected in spectrum analyzer with correction factor for the spurious emissions test.

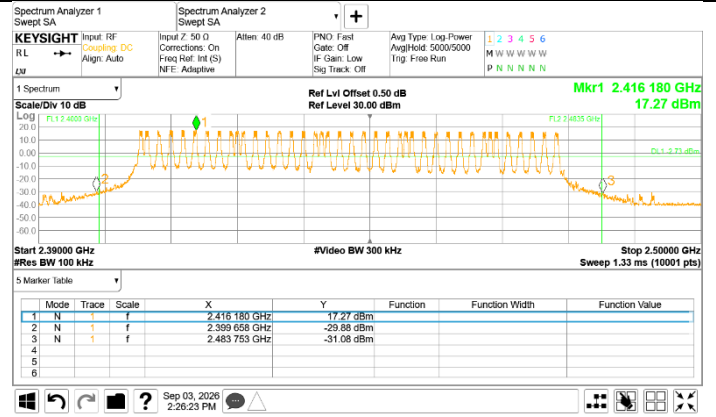
PLOTS OF EMISSIONS

Band Edge, GFSK

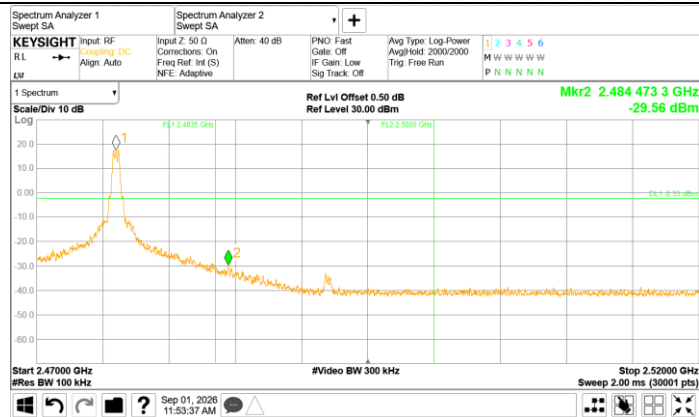
Lowest Channel



Band Edge, GFSK, Hopping mode



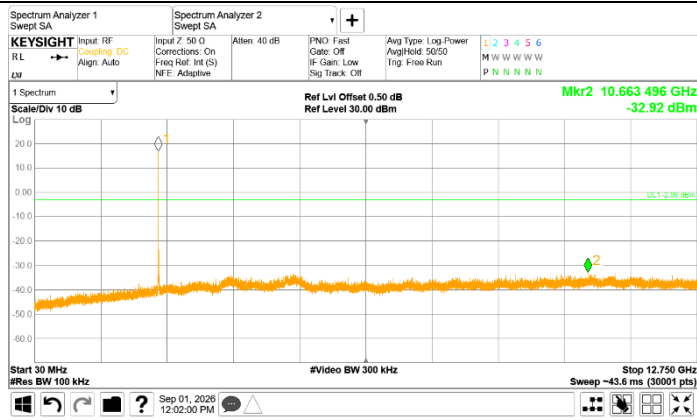
Highest Channel



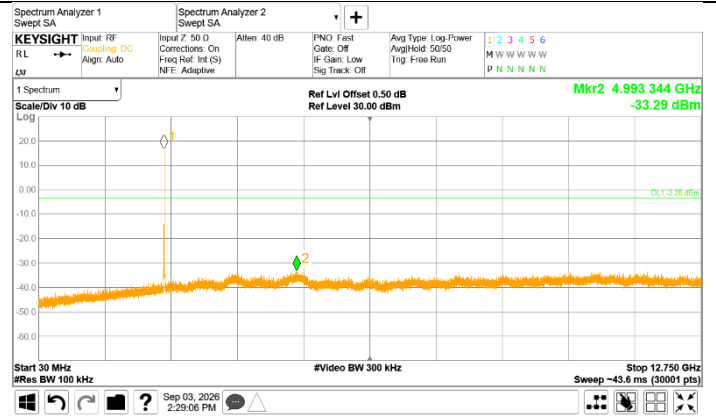
Blank

Conducted Spurious Emissions, GFSK

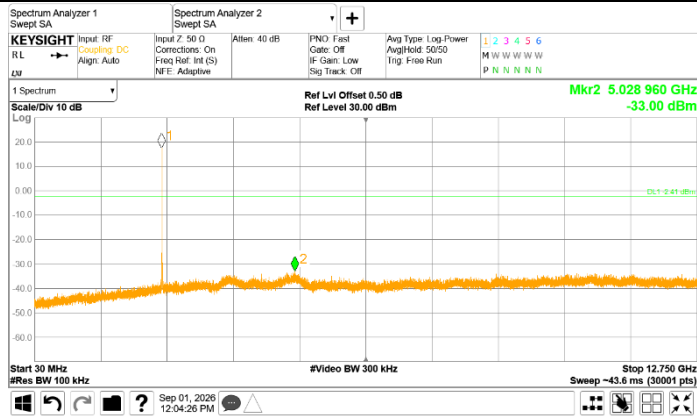
Lowest Channel



Middle Channel



Highest Channel



Blank

7.8 Radiated Spurious Emissions

FCC §15.205, §15.209, §15.247(d)

Test Mode : Set to Lowest channel, Middle channel and Highest channel

Result

GFSK modulation_Lowest channel

Frequency (MHz)	Reading (dBμV)	Pol* (H/V)	Mode	AF+CL+Amp (dB)**	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
4 813.72	54.69	H	PK	4.00	58.69	74.00	15.31
4 813.95	38.32	H	AV	4.00	42.32	54.00	11.68
7 221.17	39.09	H	PK	12.50	51.59	74.00	22.41
7 220.32	29.23	H	AV	12.50	41.73	54.00	12.27
9 629.68	34.61	V	PK	16.10	50.71	74.00	23.29
9 627.20	23.84	V	AV	16.10	39.94	54.00	14.06
14 440.78	37.3	H	PK	17.00	54.30	74.00	19.70
14 443.20	32.61	H	AV	17.00	49.61	54.00	4.39

GFSK modulation_Middle channel

Frequency (MHz)	Reading (dBμV)	Pol* (H/V)	Mode	AF+CL+Amp (dB)**	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
4 883.48	39.98	H	PK	4.30	44.28	74.00	29.72
4 882.88	36.00	H	AV	4.30	40.30	54.00	13.70
7 324.50	38.75	H	PK	12.90	51.65	74.00	22.35
7 323.91	36.81	H	AV	12.90	49.71	54.00	4.29
14 647.64	39.17	H	PK	17.70	56.87	74.00	17.13
14 647.78	33.33	H	AV	17.70	51.03	54.00	2.97

GFSK modulation_Highest channel

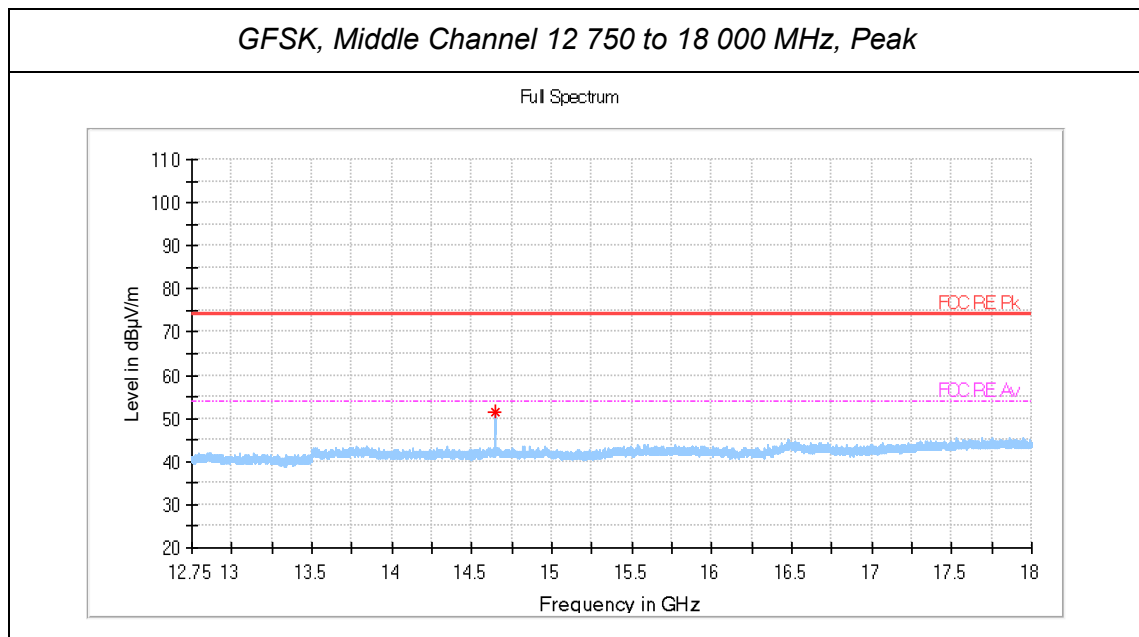
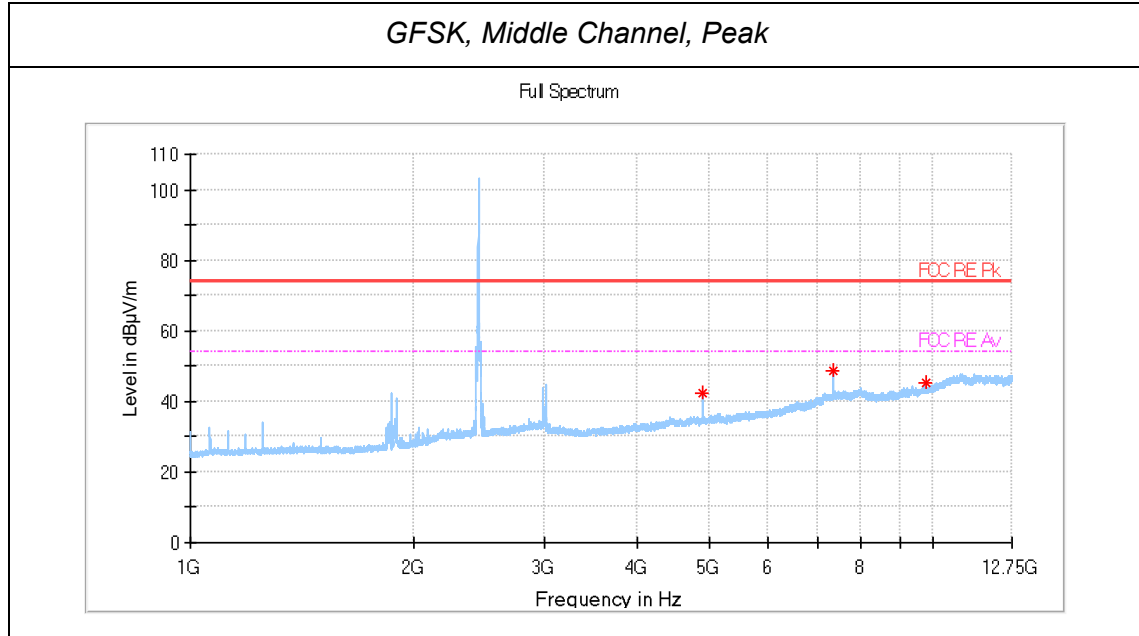
Frequency (MHz)	Reading (dBμV)	Pol* (H/V)	Mode	AF+CL+Amp (dB)**	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
4 951.61	51.94	H	PK	4.30	56.24	74.00	17.76
4 951.92	45.27	H	AV	4.30	49.57	54.00	4.43
7 428.76	36.91	H	PK	13.30	50.21	74.00	23.79
7 427.31	32.73	H	AV	13.30	46.03	54.00	7.97
9 901.65	35.34	H	PK	16.60	51.94	74.00	22.06
9 906.72	24.48	H	AV	16.60	41.08	54.00	12.92
14 863.80	32.31	V	PK	17.60	49.91	74.00	24.09
14 857.16	24.38	H	AV	17.50	41.88	54.00	12.12

Notes:

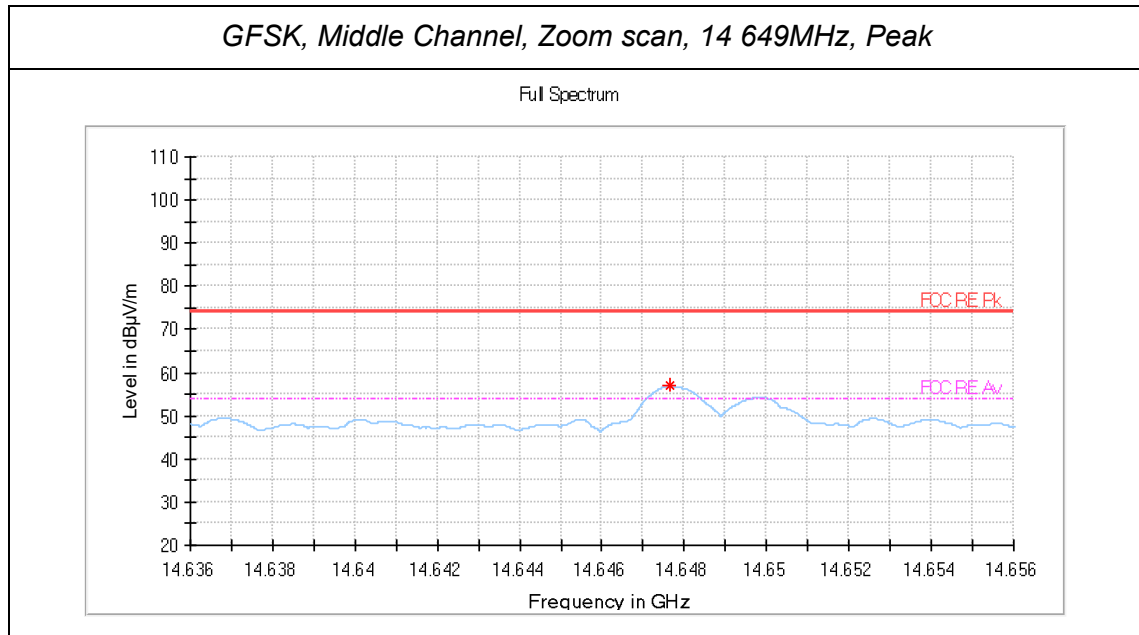
- *Pol. : H = Horizontal, V = Vertical, Mode : PK = Peak, AV = Average
- **AF + CL + Amp. = Antenna Factor + Cable Loss + Amplifier.
- Nothing detected above 18GHz
- Other spurious was under 20 dB below Fundamental.
- The radiated emissions testing were made by rotating EUT through three orthogonal axes and rotating the receive antenna with horizontal, Vertical polarization.
- Peak emissions were measured using RBW = 1 MHz, VBW = 3 MHz, Detector = Peak.
- Average emissions were measured using RBW = 1 MHz, VBW = 10 kHz, Detector = Peak.
- The spectrum was measured from 1 GHz to 10th harmonic and the worst-case emissions were reported.

PLOTS OF EMISSIONS

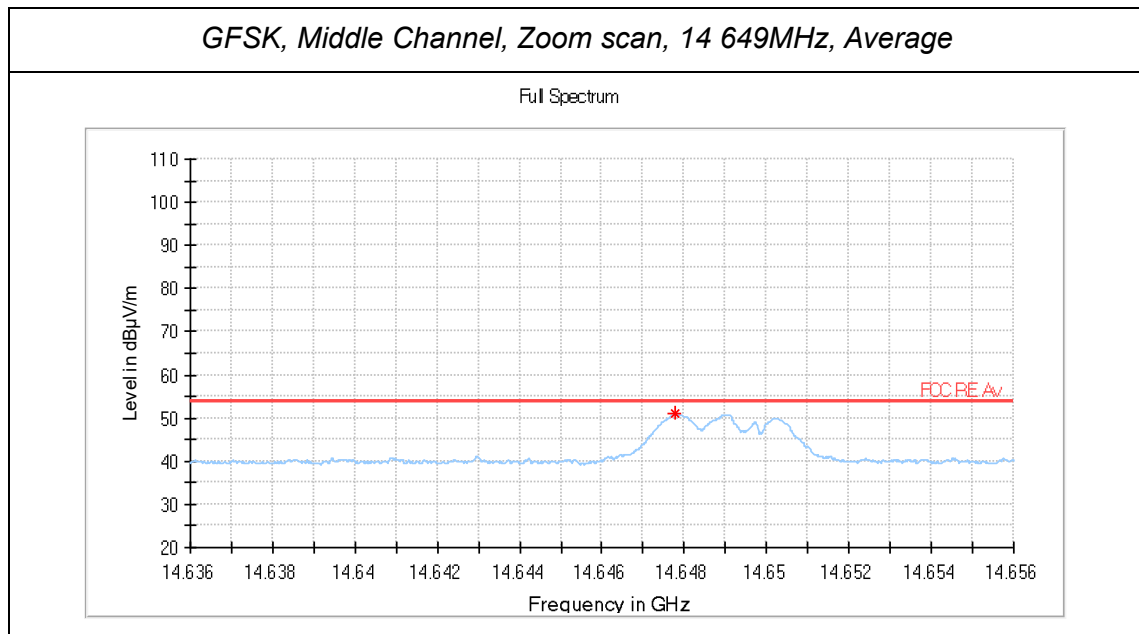
Worst Case



GFSK, Middle Channel, Zoom scan, 14 649MHz, Peak



GFSK, Middle Channel, Zoom scan, 14 649MHz, Average



7.9 Radiated Band Edge

FCC §15.205, §15.209

Test Mode : Set to Lowest channel and Highest channel

Result

GFSK modulation_Lowest channel

Frequency (MHz)	Reading (dBμV)	Pol* (H/V)	Mode	AF+CL+Amp (dB)**	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
2 390.00	58.21	H	PK	-5.10	53.11	74.00	20.89
2 390.00	54.46	H	AV	-5.10	49.36	54.00	4.64

GFSK modulation_Highest channel

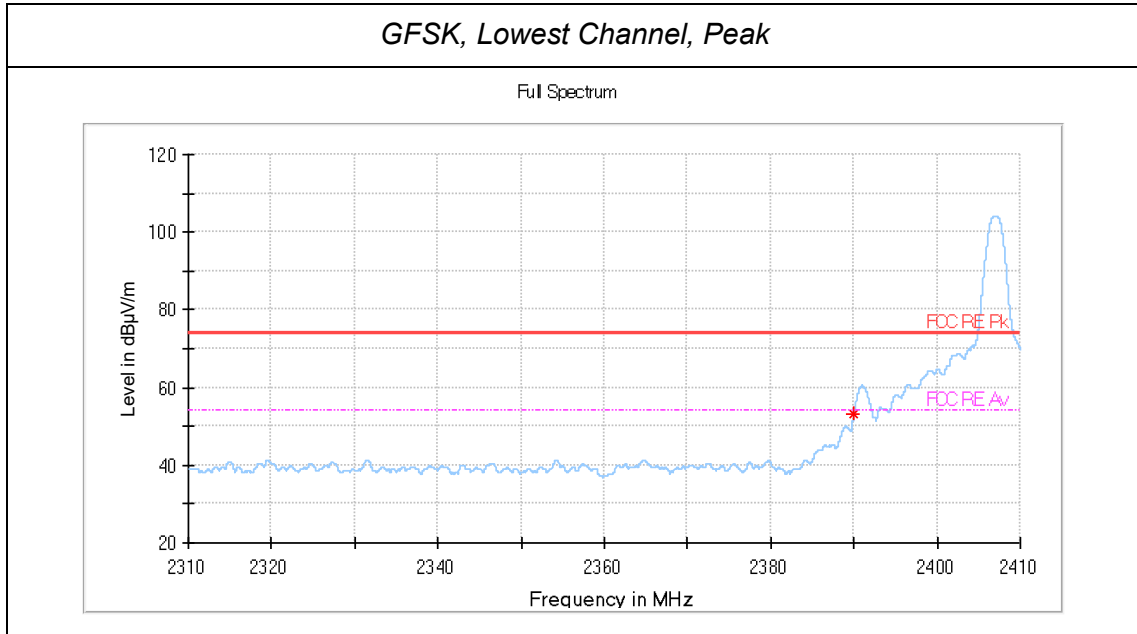
Frequency (MHz)	Reading (dBμV)	Pol* (H/V)	Mode	AF+CL+Amp (dB)**	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
2 483.50	70.74	H	PK	-5.00	65.74	74.00	8.26
2 483.50	54.04	V	AV	-5.00	49.04	54.00	4.96

Notes:

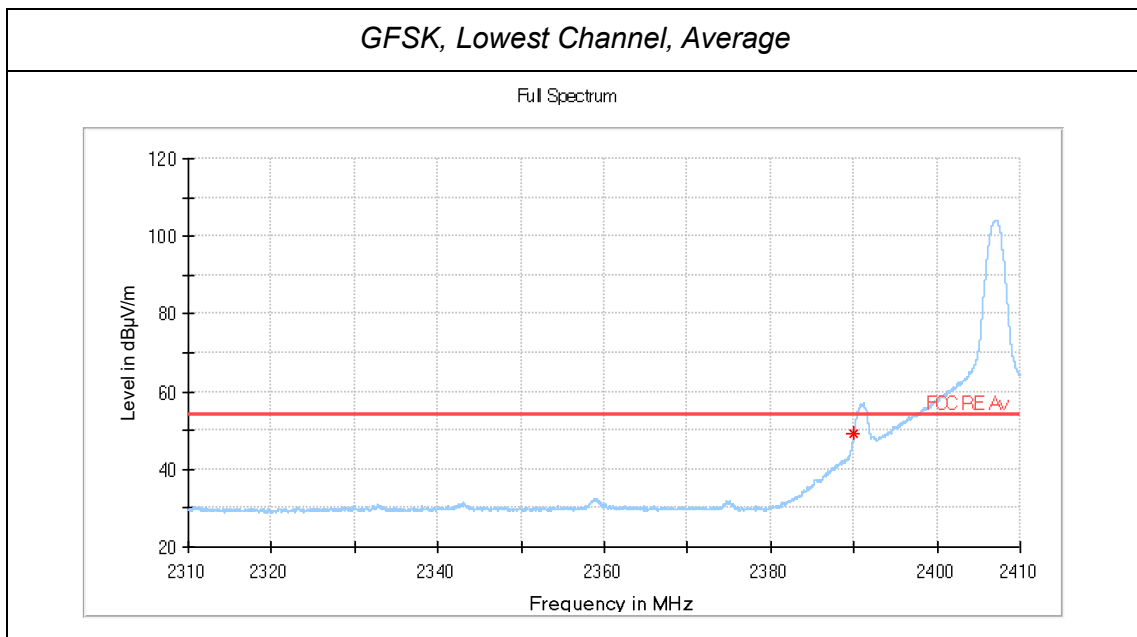
- *Pol. : H = Horizontal, V = Vertical, Mode : PK = Peak, AV = Average
- **AF + CL + Amp. = Antenna Factor + Cable Loss + Amplifier.
- Other spurious was under 20 dB below Fundamental.
- The radiated emissions testing were made by rotating EUT through three orthogonal axes and rotating the receive antenna with horizontal, Vertical polarization.
- Peak emissions were measured using RBW = 1 MHz, VBW = 3 MHz, Detector = Peak.
- Average emissions were measured using RBW = 1 MHz, VBW = 10 kHz, Detector = Peak.

PLOTS OF EMISSIONS

GFSK, Lowest Channel, Peak



GFSK, Lowest Channel, Average



7.10 Radiated Emissions_Below 1GHz

FCC §15.209

Result

GFSK Lowest channel

Frequency (MHz)	Reading (dBμV)	Pol* (H/V)	Mode	AF+CL+Amp (dB)**	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
32.32	29.15	V	QP	-9.86	19.29	40.00	20.71
34.31	29.94	V	QP	-9.41	20.53	40.00	19.47
39.70	30.23	V	QP	-7.41	22.82	40.00	17.18
42.34	32.76	V	QP	-6.65	26.11	40.00	13.89
43.74	29.63	V	QP	-6.29	23.34	40.00	16.66
879.77	21.81	V	QP	4.37	26.18	40.00	19.82

Radiated Measurements at 3meters

Notes:

1. The worst-case emission was reported.
2. *Pol. H = Horizontal, V = Vertical
3. **AF + CL + Amp. = Antenna Factor + Cable Loss + Amplifier.
4. Measurements using CISPR quasi-peak mode below 1 GHz.
5. The radiated emissions testing were made by rotating EUT through three orthogonal axes and rotating the receive antenna with horizontal, Vertical polarization. The worst data was recorded.
6. No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz). Per FCC part 15.31(o), test results were not reported.

Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 30 m open are test site.

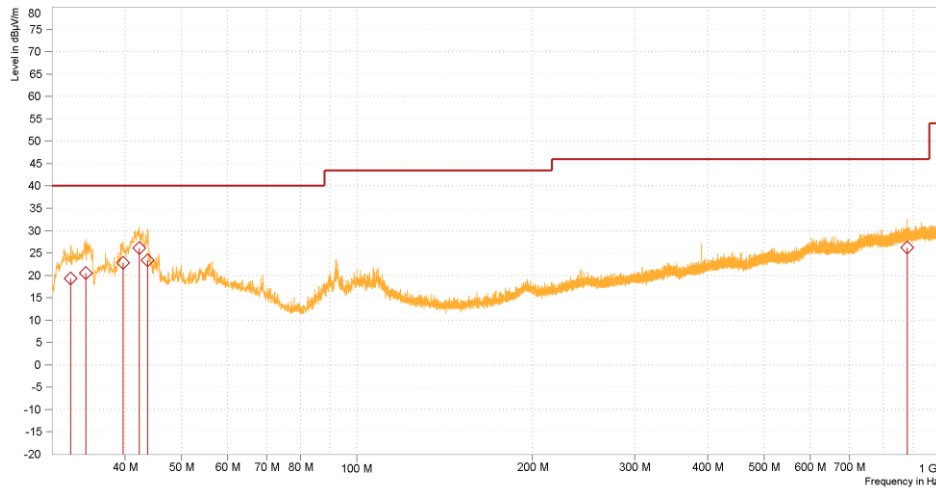
Therefore, sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

7. The limit is on the FCC §15.209.

PLOTS OF EMISSIONS

Worst Case

Radiated emission below 1GHz, GFSK Middle Channel



8. TEST EQUIPMENT

No.	Instrument	Manufacture	Model	Serial No.	Calibration Date	Next Calibration Date
1	10 dB Attenuator	API technologies corp	40A2W-10	1916	2026-07-01	2027-07-01
2	DC POWER SUPPLY	KEYSIGHT	N6952A	MY59120233	2026-07-01	2027-07-01
3	Signal & Spectrum Analyzer	KEYSIGHT	N9030B	MY57144248	2026-03-26	2027-03-26
4	Signal Generator	R&S	SMB100A	175861	2026-03-27	2027-03-27
5	Environment Detecor	YOWEXA	YEM-20AL-E	25061007	2026-07-09	2027-07-09
6	DIGITAL MULTIMETER	EZ DIGITAL	DM-334	2111395	2025-10-02	2026-10-02
7	Signal & Spectrum Analyzer	R&S	FSW43	104084	2026-03-26	2027-03-26
8	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESW44	103318	2026-01-07	2027-01-07
9	OPEN SWITCH AND CONTROL UNIT	R&S	OSP120	100081	N/A	N/A
10	SWITCH AND EXTENSION UNIT CAN-BUS	R&S	OSP150	100922	N/A	N/A
11	AMPLIFIER	HP	8447F	2805A03406	2026-01-07	2027-01-07
12	WiFi Filter Bank	R&S	U083	U083-001	N/A	N/A
13	TRILOG Broadband Test Antenna	Schwarzbeck	VULB 9163	01431	2024-11-11	2026-11-11
14	Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-508	2026-07-07	2027-07-07
15	Horn Antenna	Q-par Angus	QMS-00208	17519	2026-03-31	2027-03-31
16	Horn Antenna	Q-par Angus	QSH20S20	8179	2026-07-06	2027-07-06
17	Signal Conditioning Unit	R&S	SCU-18F	180025	2026-03-26	2027-03-26
18	Signal Conditioning Unit	R&S	SCU-26	10011	2026-07-06	2027-07-06
19	온습도계(Environment Detector)	YOWEXA	YEM-20AL-E	25081030	2025-11-06	2026-11-06

9. ACCURACY OF MEASUREMENT & DECISION RULE

9.1 Uncertainty Calculation

The Measurement Uncertainties stated were calculated in accordance with the requirements of measurement uncertainty contained in CISPR 16-4-2 with the confidence level of 95%

PARAMETER	UNCERTAINTY
Radiated Disturbance, Below 30 MHz	4.60 dB
Radiated Disturbance, 30 MHz to 1 GHz	5.60 dB
Radiated Disturbance, 1 GHz to 18 GHz	3.60 dB
Radiated Disturbance, 18 GHz to 26.5 GHz	4.90 dB

9.2 Decision rule

The choice of whether or not to include the measurement uncertainty of the measuring system used in the test in the conformance determination.:

- ☐ Application of internal procedures used in type testing where traceability of measurement uncertainty is established.
- ☒ Applying the decision that the standard used for type testing does not require it.

END REPORT