

Prüfbericht-Nr.: <i>Test Report No.:</i>	60417123 001	Auftrags-Nr.: <i>Order No.:</i>	244245747	Seite 1 von 58 <i>Page 1 of 58</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	2045411	Auftragsdatum: <i>Order date:</i>	16.06.2020	
Auftraggeber: <i>Client:</i>	FCC : DECATHLON USA LLC 2415 3rd Street, Suite 231, San Francisco California United States IC : DECATHLON SE 4 Boulevard de Mons, VILLENEUVE D'ASCQ, 59650, France			
Prüfgegenstand: <i>Test item:</i>	Treadmills			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	T900C FCC ID: 2AH2PT900C IC: 24468-T900C HVIN: T900C			
Auftrags-Inhalt: <i>Order content:</i>	Complete test			
Prüfgrundlage: <i>Test specification:</i>	FCC CFR47 Part 15, Subpart C Section 15.247 KDB 558074 D01 15.247 Meas Guidance v05r02 RSS-Gen Issue 5, Amendment 1, March 2019 RSS-247 Issue 2, February 2017 ANSI C63.10: 2013			
Wareneingangsdatum: <i>Date of receipt:</i>	22.06.2020			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A002851418-001~003			
Prüfzeitraum: <i>Testing period:</i>	23.07.2020 to 22.09.2020			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
26.10.2020 TonyC.L.Chen / PE Datum Name / Stellung Unterschrift Date Name / Position Signature		26.10.2020 Hongfei Wu / Reviewer Datum Name / Stellung Unterschrift Date Name / Position Signature		
Sonstiges / Other Concept code: 122651 Supplier code: 61995 Supplier: Zhejiang Arcana Power Sports Tech Co.,Ltd Request reference No.: L074-03-2006-0005 Brazil 110V 8605118 US CA 110V 8642120				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft Legend: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

v04

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 6dB & 99% BANDWIDTH

RESULT: Pass

5.1.3 PEAK OUTPUT POWER

RESULT: Pass

5.1.4 POWER SPECTRAL DENSITY

RESULT: Pass

5.1.5 CONDUCTED BAND EDGE AND OUT-OF BAND EMISSIONS

RESULT: Pass

5.2.1 CONDUCTED EMISSION

RESULT: Pass

5.3.1 RADIATED BAND-EDGE

RESULT: Pass

5.3.2 RADIATED SPURIOUS EMISSION

RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

Null.

2. Test Sites

2.1 Test Facilities

TÜV Rheinland (Shanghai) Co., Ltd.

Shanghai TUV Rheinland Building No. 177, 178 Lane 777, West Guangzhong Rd, Jing'an District, Shanghai, China

The used test equipment is in accordance with CISPR 16 for measurement of radio interference.

The Federal Communications Commission has reviewed the technical characteristics of the radiated and conducted emission facility, and has found these test facilities to be in compliance with the requirements of section 2.948 of the FCC rules. The description of the test facility is listed under FCC registration number 958801.

The Innovation, Science and Economic Development Canada has reviewed the technical characteristics of the radiated and conducted emission facility, and has found these test facilities to be in compliance. The description of the test facility is listed under chambers filing number 2932F.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Instrument	Manufacturer	Type No.	Asset No.	Cali. Due Date
3m Anechoic Chamber	Frankonia	SAC3	FJ129002	13.05.2022
EMI Test Receiver	R&S	ESCI	100280	31.10.2020
Spectrum Analyzer	R&S	FSV40	101258	31.10.2021
BiLog Antenna	Teseq	CBL 6112D	40530	13.02.2021
Log-periodic Antenna	R&S	HL050	100692	16.02.2021
Preamplifier	Taiwan EMC Instruments Corporation	EMC051845SE	980612	05.03.2021
Broadband Horn Antenna	Schwarzbeck	BBHA 9170	9170-305	09.07.2021
Preamplifier	Taiwan EMC Instruments Corporation	EMC184045SE	980596	05.03.2021
Spectrum Analyzer	Keysight	N9020A	MY54500180	09.05.2021
DC Power Supply	ALLPOWER	ADC50-20	99223	12.10.2020
Thermohygrometer	Testo	608-H1	1241320614	13.10.2020
EMI test receiver	R&S	ESIB26	G1811380	06.03.2021
Artificial main network	R&S	ENV432	G1830003	01.11.2020
EMC measurement software	R&S	EMC32	G1824845	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

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2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Measurement Type	Frequency	Uncertainty
Antenna Port Conducted Emission	< 1GHz	±0.39dB
	> 1GHz	±0.68dB
Radiated Emission	9kHz – 30MHz	±2.93dB
	30MHz - 1GHz	±5.34dB
	> 1GHz	±5.40dB

3. General Product Information

3.1 Product Function and Intended Use

The EUT (Equipment Under Test) is an ordinary treadmill which support Bluetooth Low Energy.

The aim of this report is to evaluate the RF characteristic of the Bluetooth Low Energy Part of this module.

For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Description of EUT	
Product Name:	Treadmills
Model No.:	T900C
Rated Voltage:	AC 110~127 V, 50/60 Hz
Treadmill Panel	
Product Name:	DOMYOS Fitness CONSOLE
Model No.:	T900C Console
Rated Voltage:	DC 12V
Bluetooth Low Energy	
Frequency Range:	2402 to 2480MHz
Modulation Type:	GFSK
Antenna Type:	PCB Antenna
Antenna Gain:	3dBi

Note:

Treadmill panel has Bluetooth function, for the rest is mechanical structure which will not affect RF performance, so only assess the treadmill panel for RF performance.

3.3 Independent Operation Modes

Table 4: Independent Operation Modes

Test Mode	Channel	Frequency
TM1	00	2402
TM2	19	2440
TM3	39	2480
TM4	Normal Operating Mode	

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- PCB Layout
- Photo Document
- Circuit Diagram
- Instruction Manual
- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013.

Test Software used: EMI_TEST_v1.1

4.3 Special Accessories and Auxiliary Equipment

Null.

4.4 Countermeasures to achieve EMC Compliance

Null.

5. Test Results

5.1 Conducted Testing at Antenna Port

5.1.1 Antenna Requirement

RESULT:**Pass**

According to the manufacturer declared, the EUT has one PCB antenna, the directional gain of antenna is 3dBi and the antenna is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Table 5: Antenna Requirement

FCC 15.203 – Antenna Requirement 1	
Requirement:	No antenna other than that furnished by the responsible party shall be used with the device
Results:	Antenna type: PCB antenna
Verdict:	Pass

FCC 15.204 – Antenna Requirement 2	
Requirement:	An intentional radiator may be operated only with the antenna with which it is authorized. If an antenna is marketed with the intentional radiator, it shall be of a type which is authorized with the intentional radiator.
Results:	Only one integral antenna can be used
Verdict:	Pass

RSS-Gen 6.4 – External Controls	
Requirement:	The device shall not have any external controls accessible to the user that enable it to be adjusted, selected or programmed to operate in violation of the regulatory requirements, including RSS-Gen and the applicable RSSs.
Results:	The device does not have any external controls accessible to the user that enable it to be adjusted, selected or programmed to operate in violation of the regulatory requirements, including RSS-Gen and the applicable RSSs.
Verdict:	Pass

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RSS-Gen 6.8 – Antenna Requirement

Requirement: When measurements at the antenna port are used to determine RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.

Results:

a) Antenna type:	PCB
b) Manufacture:	N/A
c) Model No.:	N/A
d) Gain with reference to an isotropic radiator:	3dBi

Verdict: Pass

5.1.2 6dB & 99% Bandwidth**RESULT:****Pass**

Date of testing : 10.08.2020~22.09.2020
Ambient temperature : 20.6°C
Relative humidity : 58.6%
Atmospheric pressure : 101kPa
Test requirement : FCC Part 15.247(a)(2)
RSS-247 Issue 2, February 2017, Clause 5.2(a)
Test procedure : KDB 558074 D01v05r02
ANSI C63.10: 2013
Test voltage : DC 12V
Test modes applied : TM1 to TM3

Table 6: 6dB & 99% Bandwidth

Test Mode	CH.	Freq. [MHz]	6dB Bandwidth [kHz]	99% Bandwidth [kHz]
TM1	00	2402	680.0	1026.7
TM2	19	2440	688.0	1029.1
TM3	39	2480	695.7	1023.3

Note:

For frequency hopping systems operating in the 2400 – 2483.5MHz band, no bandwidth limit is specified. The test data is provide for reference.

And according to FCC, when the occupied bandwidth limit is not stated in the applicable FCC or reference measurement method, the transmitted signal band width shall be reported as the 99% emission bandwidth.

Figure 1: 6dB Bandwidth, 2402MHz

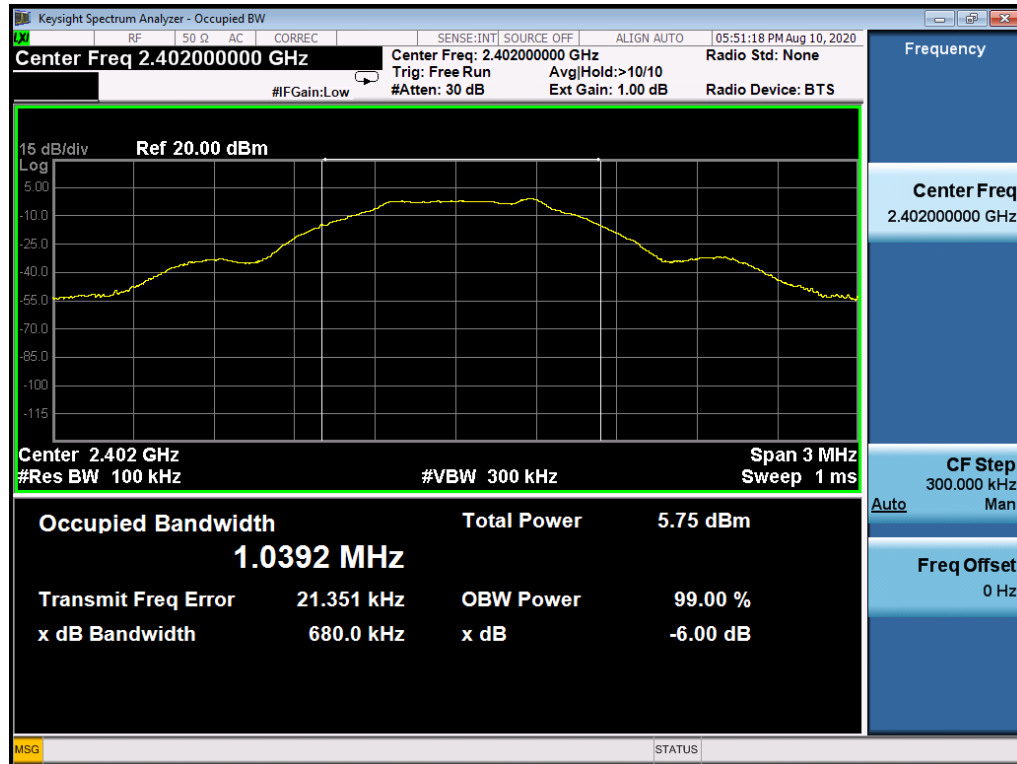


Figure 2: 6dB Bandwidth, 2440MHz



Figure 3: 6dB Bandwidth, 2480MHz

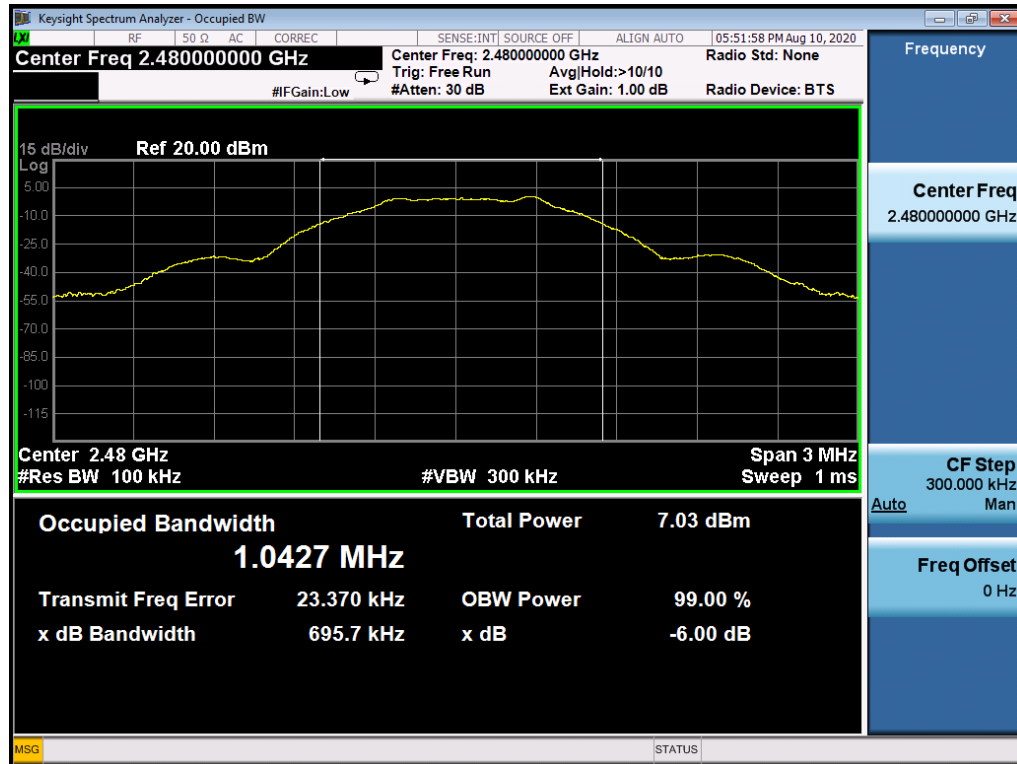


Figure 4: 99% Bandwidth, 2402MHz

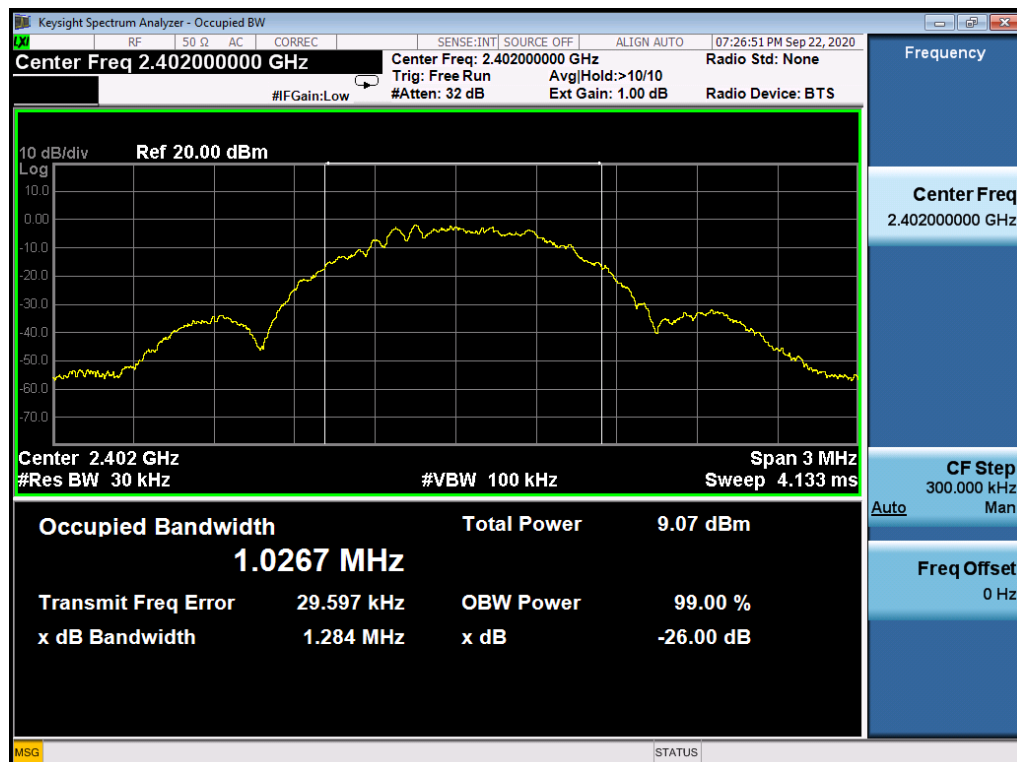


Figure 5: 99% Bandwidth, 2440MHz

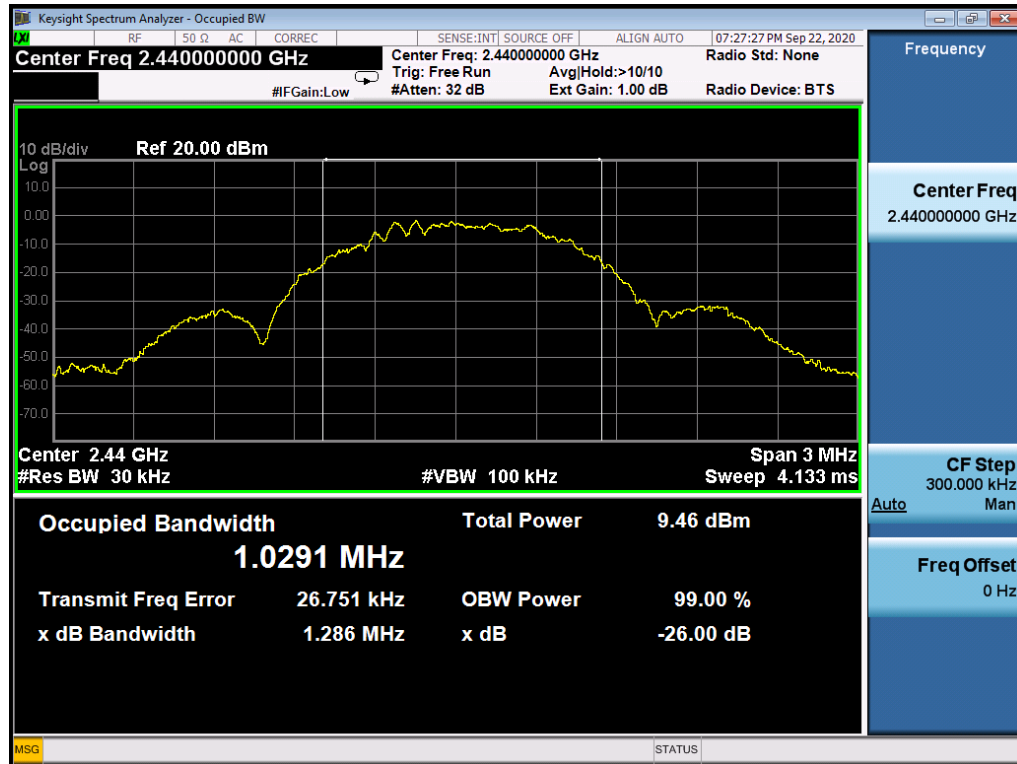


Figure 6: 99% Bandwidth, 2480MHz



EIRP=Peak Conducted Output Power + Antenna Gain

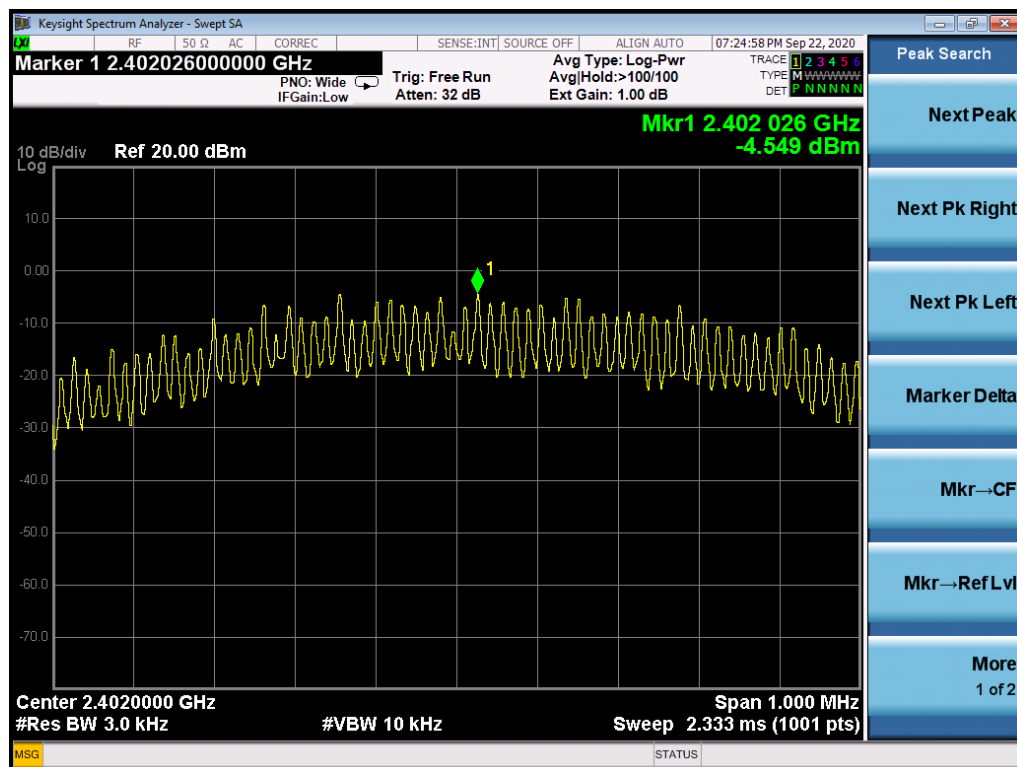


Figure 8: Power Spectral Density, 2440MHz

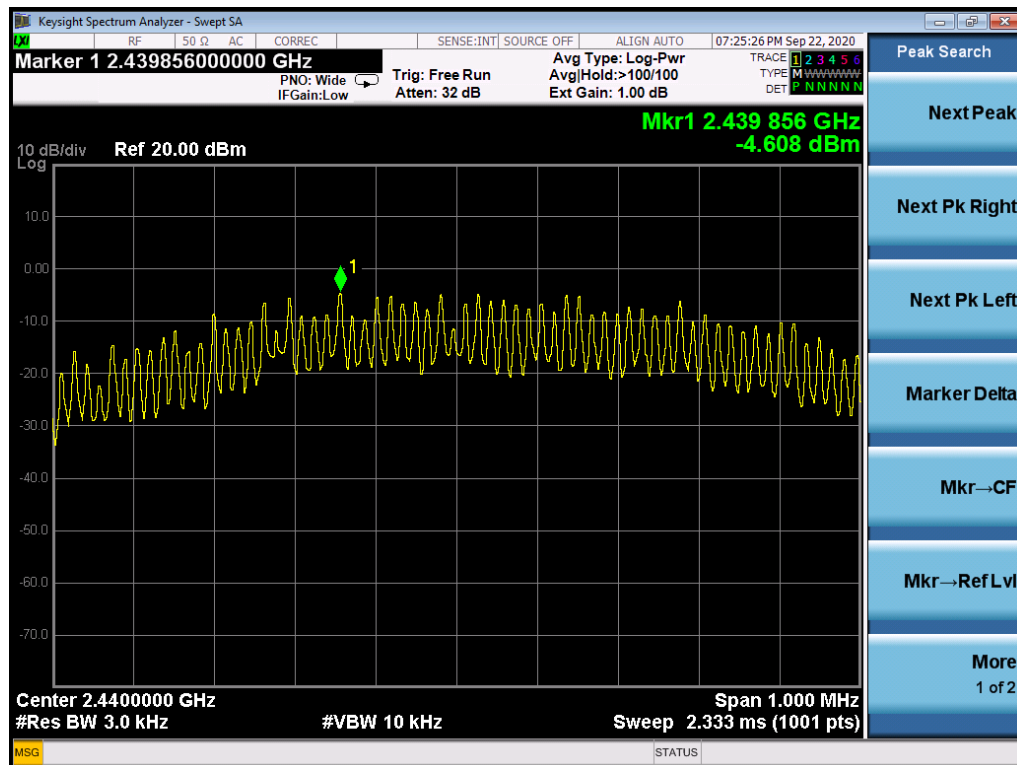
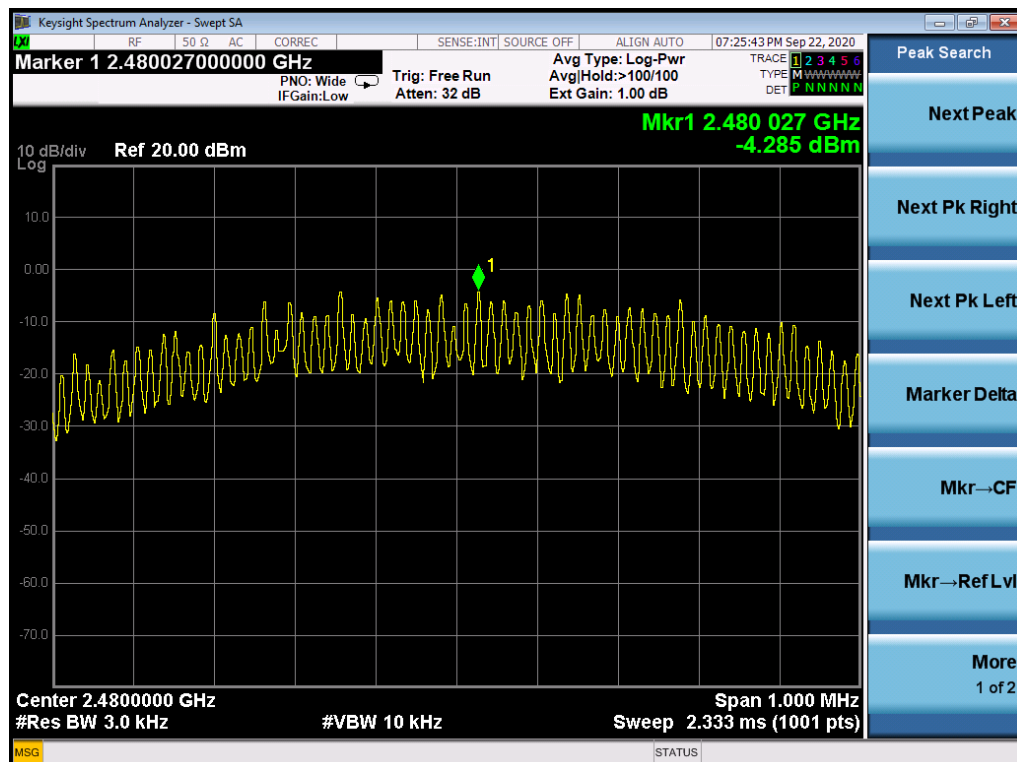


Figure 9: Power Spectral Density, 2480MHz



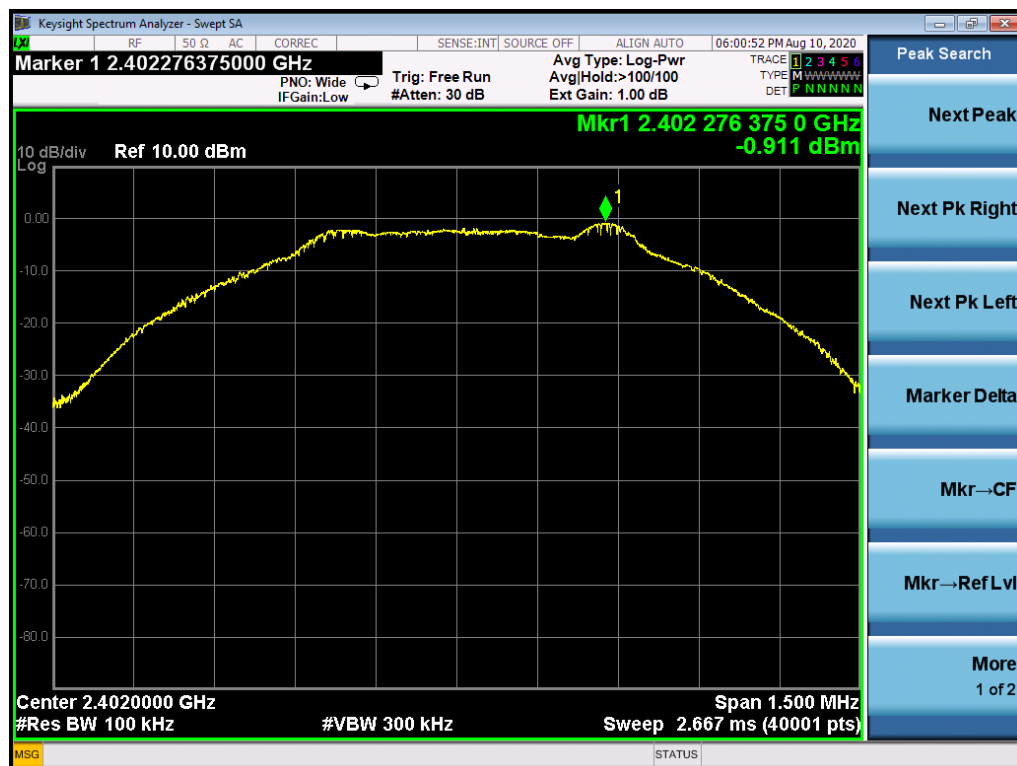


Figure 11: Reference level, 2440MHz



Figure 12: Reference level, 2480MHz

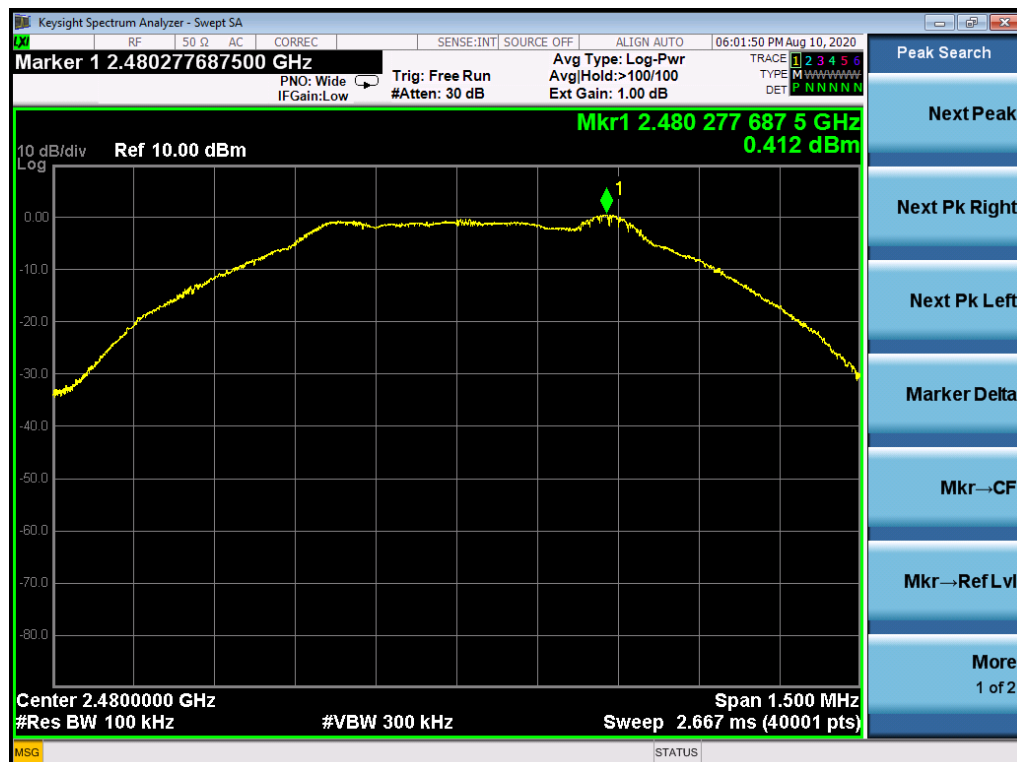


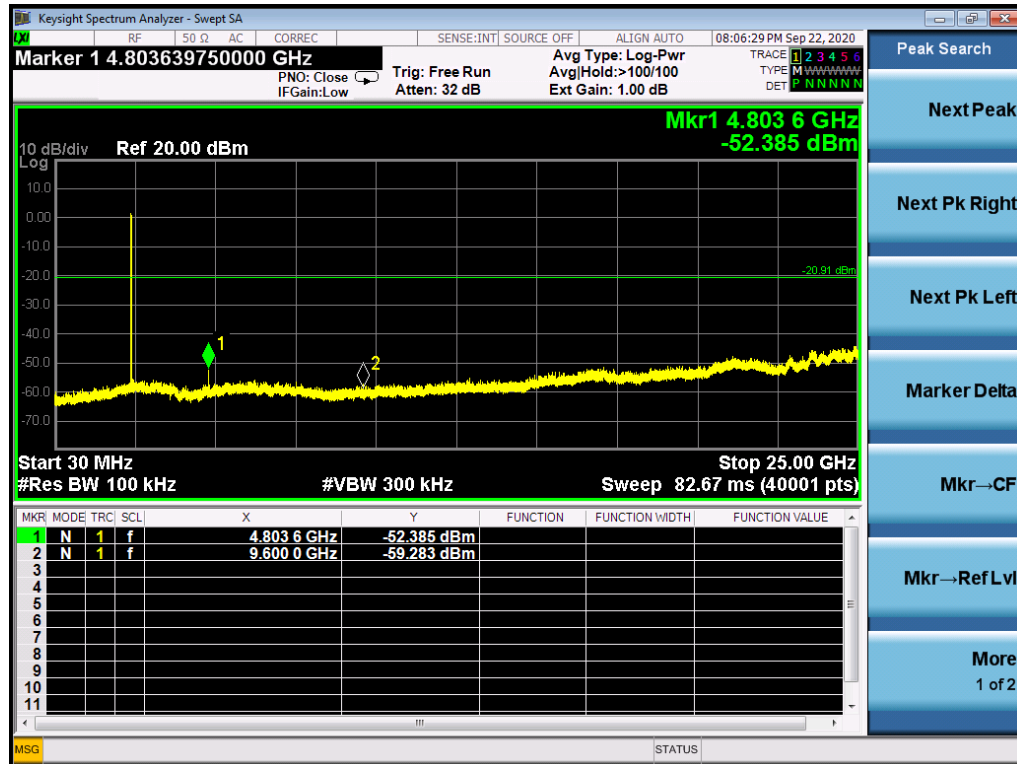
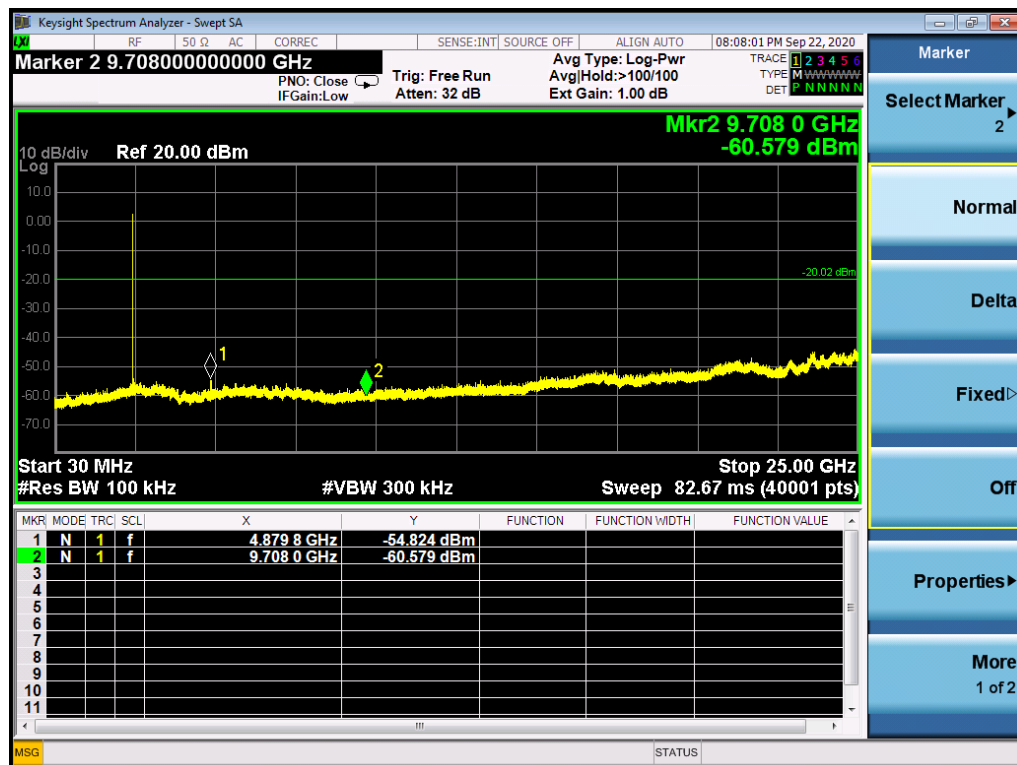
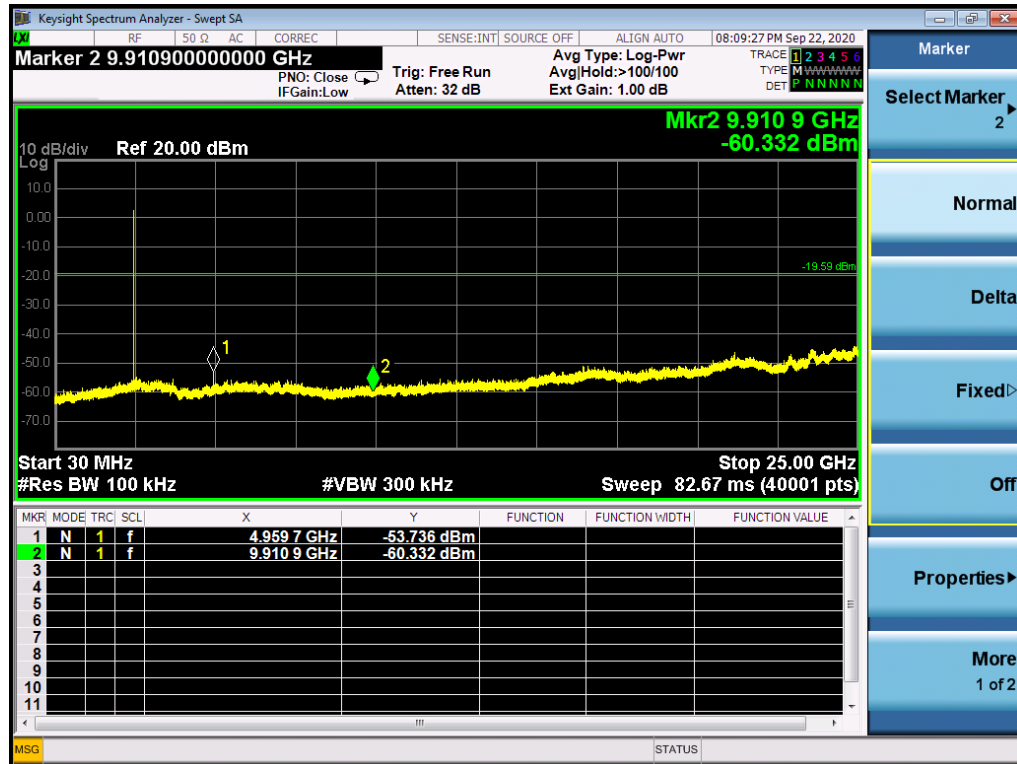
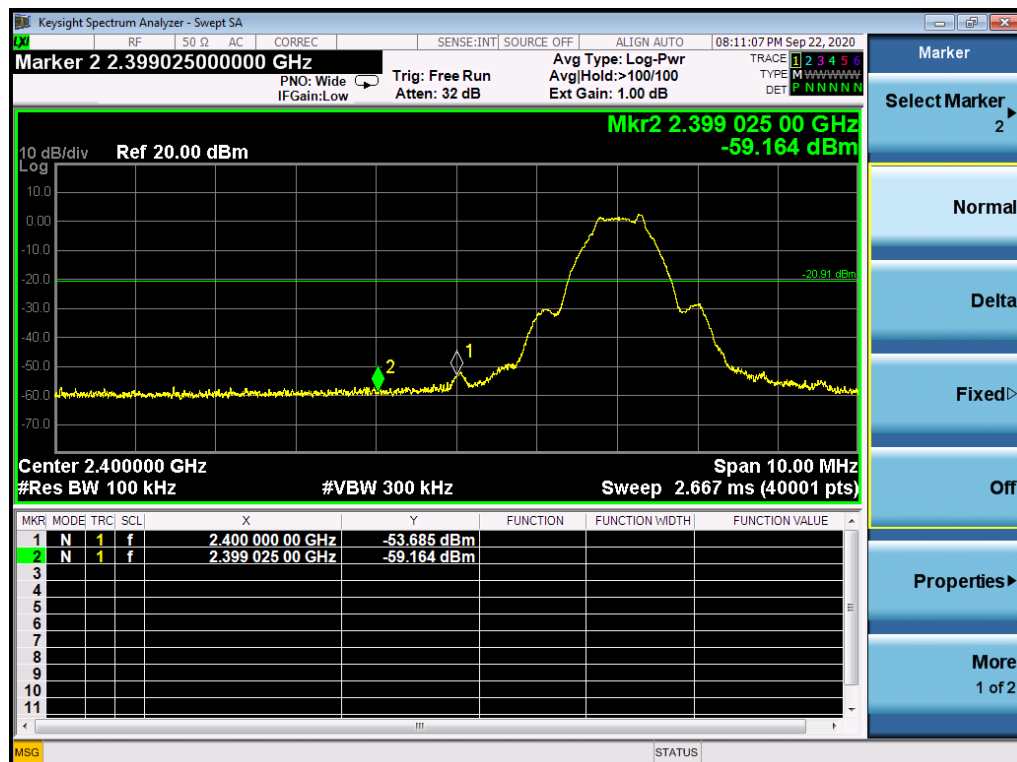
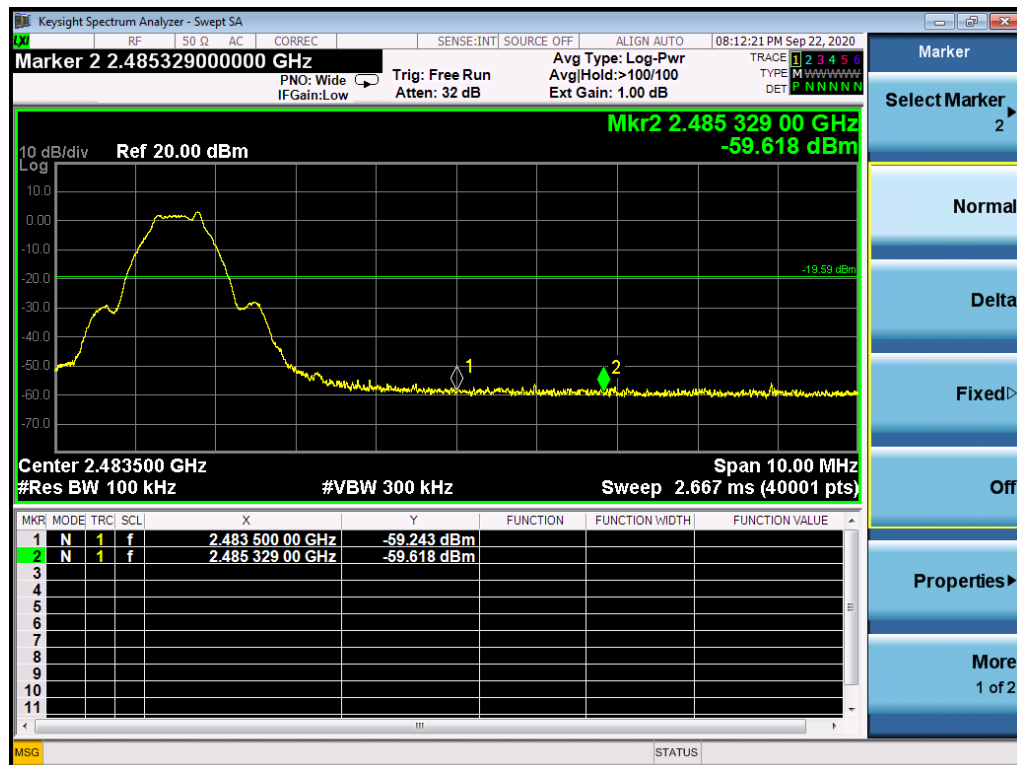
Figure 13: Conducted Spurious Emission, 2402MHz

Figure 14: Conducted Spurious Emission, 2440MHz


Figure 15: Conducted Spurious Emission, 2480MHz

Figure 16: Conducted Band Edge, Lower Band




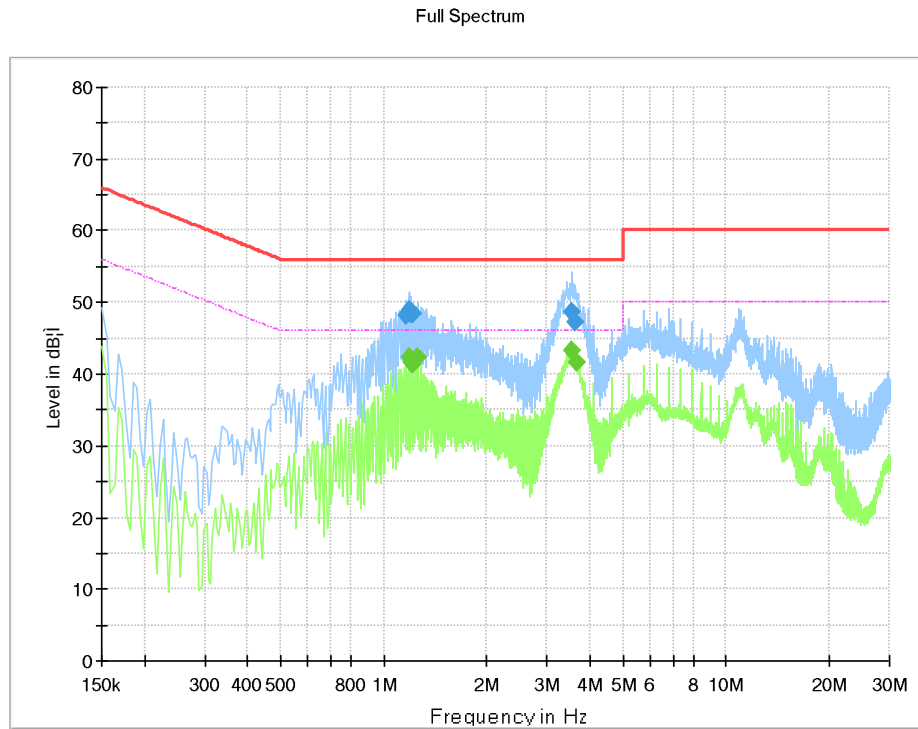
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5.2 Emission in the Frequency Range up to 30MHz

5.2.1 Conducted Emission

RESULT:**Pass**

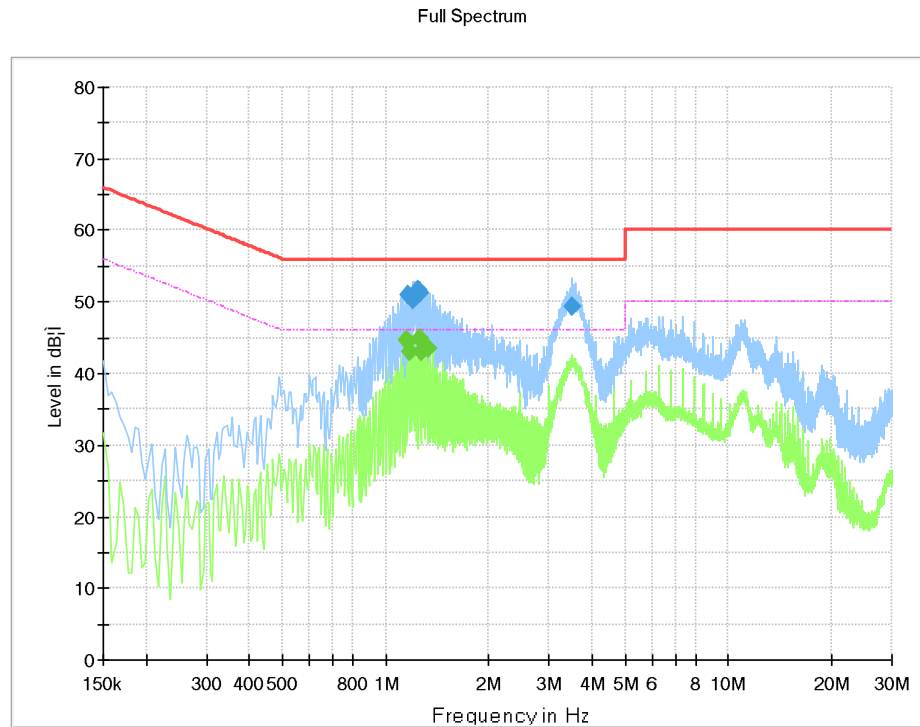
Date of testing	: 31.08.2020
Ambient temperature	: 26.1°C
Relative humidity	: 32.7%
Atmospheric pressure	: 101kPa
Test requirement	: FCC Part 15.207 (a) RSS-Gen Issue 5, Amendment 1, March 2019, Clause 8.8
Test procedure	: KDB 558074 D01v05r02 ANSI C63.10: 2013
Test voltage	: AC 120V, 60Hz
Test modes applied	: TM4

Figure 18: Conducted Emission, L

Table 9: Conducted Emission, L, Final Result_QPK

Frequency [MHz]	QuasiPeak [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Corr. (dB)
1.167000	48.20	56.00	7.80	1000.0	9.000	L1	9.6
1.185000	48.81	56.00	7.19	1000.0	9.000	L1	9.6
1.203000	48.47	56.00	7.53	1000.0	9.000	L1	9.6
1.221000	48.33	56.00	7.67	1000.0	9.000	L1	9.6
3.556500	48.70	56.00	7.30	1000.0	9.000	L1	9.7
3.633000	47.33	56.00	8.67	1000.0	9.000	L1	9.7

Table 10: Conducted Emission, L, Final Result_CAV

Frequency [MHz]	CAverage [dBµV]	Limit [dBµV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Corr. (dB)
1.185000	42.45	46.00	3.55	1000.0	9.000	L1	9.6
1.203000	41.62	46.00	4.38	1000.0	9.000	L1	9.6
1.221000	41.34	46.00	4.66	1000.0	9.000	L1	9.6
1.261500	42.23	46.00	3.77	1000.0	9.000	L1	9.6
3.552000	43.32	46.00	2.68	1000.0	9.000	L1	9.7
3.646500	41.60	46.00	4.40	1000.0	9.000	L1	9.7

Figure 19: Conducted Emission, N

Table 11: Conducted Emission, N, Final Result_QPK

Frequency [MHz]	QuasiPeak [dBμV]	Limit [dBμV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Corr. (dB)
1.162500	50.89	56.00	5.11	1000.0	9.000	N	9.6
1.203000	50.23	56.00	5.77	1000.0	9.000	N	9.6
1.221000	50.82	56.00	5.18	1000.0	9.000	N	9.6
1.239000	51.61	56.00	4.39	1000.0	9.000	N	9.6
1.257000	51.33	56.00	4.67	1000.0	9.000	N	9.6
3.489000	49.25	56.00	6.75	1000.0	9.000	N	9.6

Table 12: Conducted Emission, N, Final Result_CAV

Frequency [MHz]	CAverage [dBμV]	Limit [dBμV]	Margin [dB]	Meas. Time [ms]	Bandwidth [kHz]	Line	Corr. (dB)
1.144500	44.58	46.00	1.42	1000.0	9.000	N	9.6
1.162500	44.45	46.00	1.55	1000.0	9.000	N	9.6
1.180500	43.01	46.00	2.99	1000.0	9.000	N	9.6
1.257000	45.01	46.00	0.99	1000.0	9.000	N	9.6
1.275000	42.99	46.00	3.01	1000.0	9.000	N	9.6
1.333500	43.39	46.00	2.61	1000.0	9.000	N	9.6

5.3 Emission in the Frequency Range above 30MHz

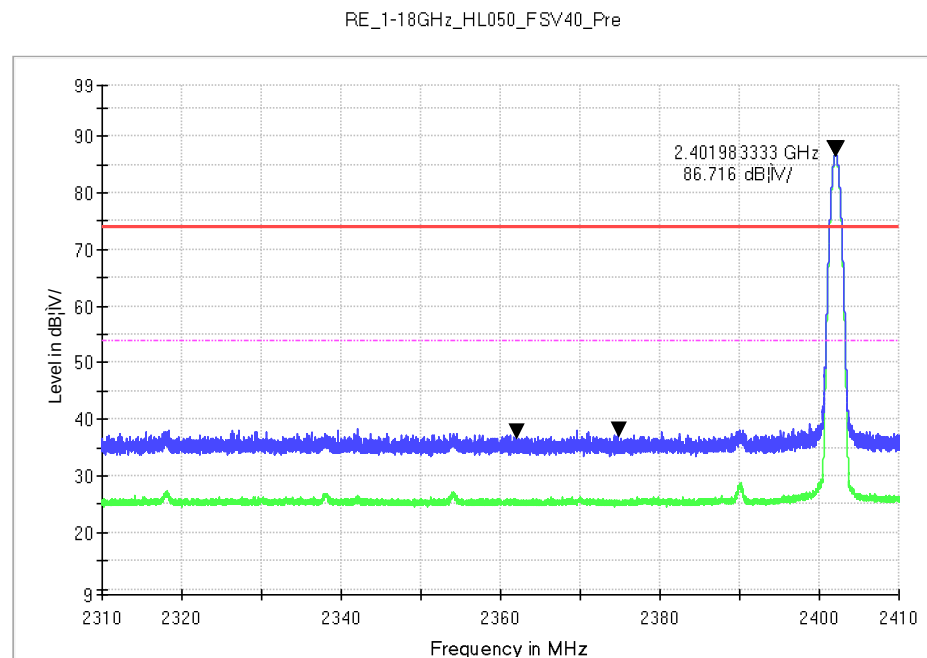
5.3.1 Radiated Band-Edge

RESULT:**Pass**

Date of testing	:	05.08.2020
Ambient temperature	:	26.1°C
Relative humidity	:	32.7%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC 15.247(d) FCC 15.205(a) FCC 15.209(a) Clause 5.5 of RSS-247 Issue 2 February 2017 Clause 8.90 of RSS-Gen Issue 5, March 2019 Clause 8.10 of RSS-Gen Issue 5, March 2019
Test procedure	:	KDB 558074 D01v05r02 ANSI C63.10: 2013
Test voltage	:	DC 12V
Test modes applied	:	TM1, TM3

Note:

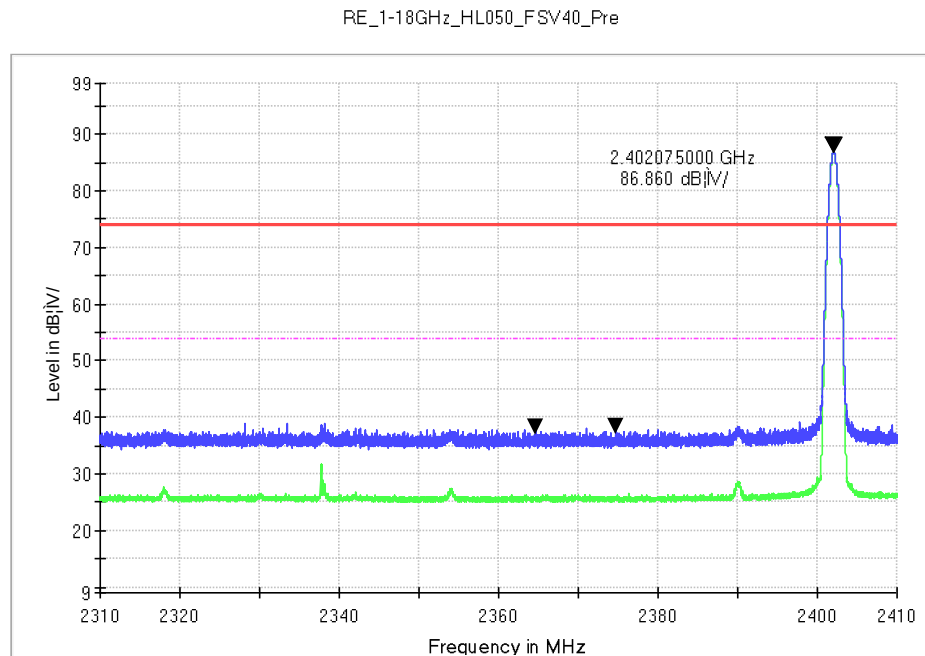
All the test modes were applied, only the worst case were shown in this report.

Figure 20: Radiated Band-Edge, TM1, H

Table 13: Radiated Band-Edge, TM1, H

Frequency [MHz]	Measure Level [dBµV/m]	Reading Level [dBµV]	Over Limit [dB]	Limit [dBµV/m]	Factor	Type
2362.273	36.671	15.347	-37.329	74.000	21.324	PK
2375.451	36.345	14.688	-37.655	74.000	21.657	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

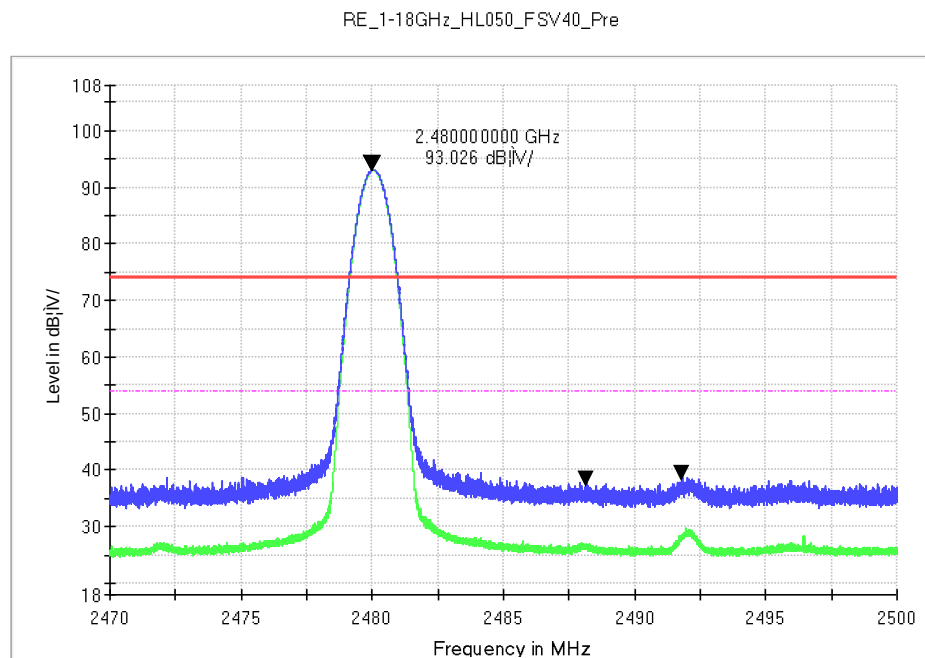
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Figure 21: Radiated Band-Edge, TM1, V

Table 14: Radiated Band-Edge, TM1, V

Frequency [MHz]	Measure Level [dBµV/m]	Reading Level [dBµV]	Over Limit [dB]	Limit [dBµV/m]	Factor	Type
2365.213	37.902	16.578	-36.098	74.000	21.324	PK
2375.671	38.122	15.998	-35.878	74.000	22.124	PK

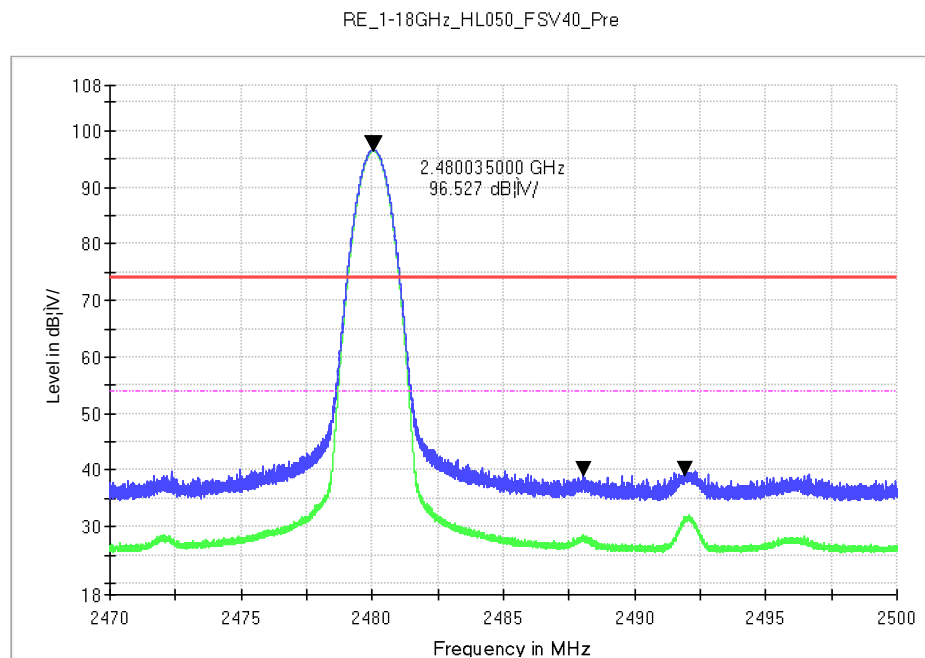
Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Figure 22: Radiated Band-Edge, TM3, H

Table 15: Radiated Band-Edge, TM3, H

Frequency [MHz]	Measure Level [dBµV/m]	Reading Level [dBµV]	Over Limit [dB]	Limit [dBµV/m]	Factor	Type
2488.456	45.572	23.919	-28.428	74.000	21.653	PK
2492.321	40.368	19.145	-33.632	74.000	21.223	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)
 Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Figure 23: Radiated Band-Edge, TM3, V

Table 16: Radiated Band-Edge, TM3, V

Frequency [MHz]	Measure Level [dBµV/m]	Reading Level [dBµV]	Over Limit [dB]	Limit [dBµV/m]	Factor	Type
2487.852	36.313	15.182	-37.687	74.000	21.131	PK
2492.130	38.465	17.141	-35.535	74.000	21.324	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

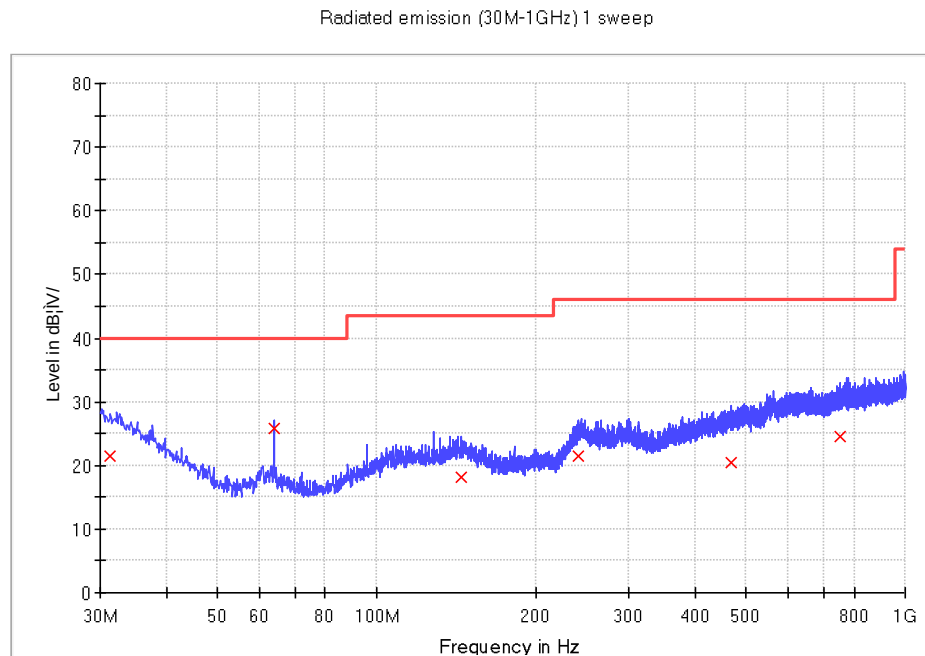
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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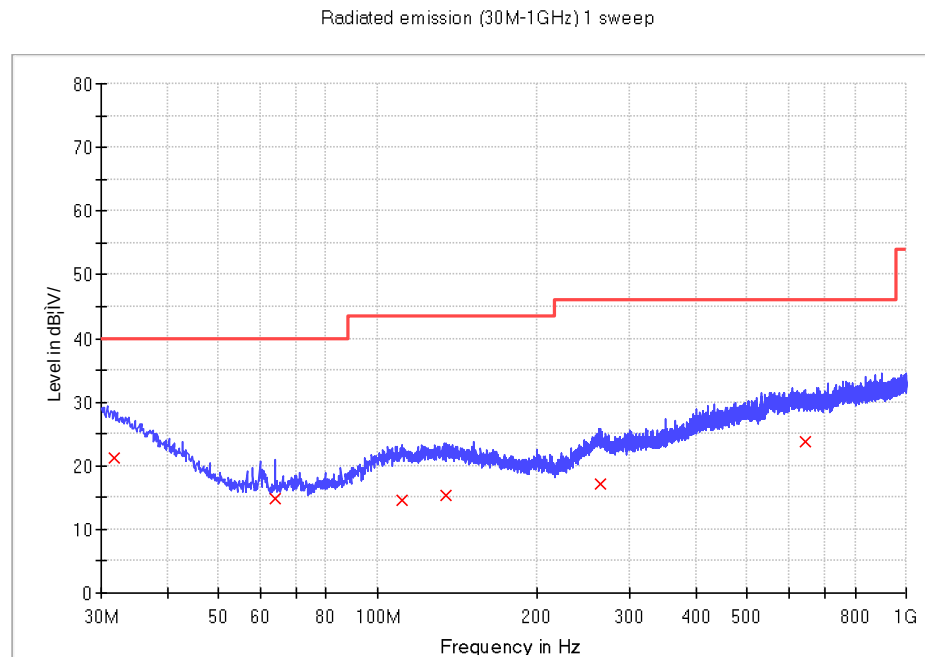
5.3.2 Radiated Spurious Emission

RESULT:**Pass**

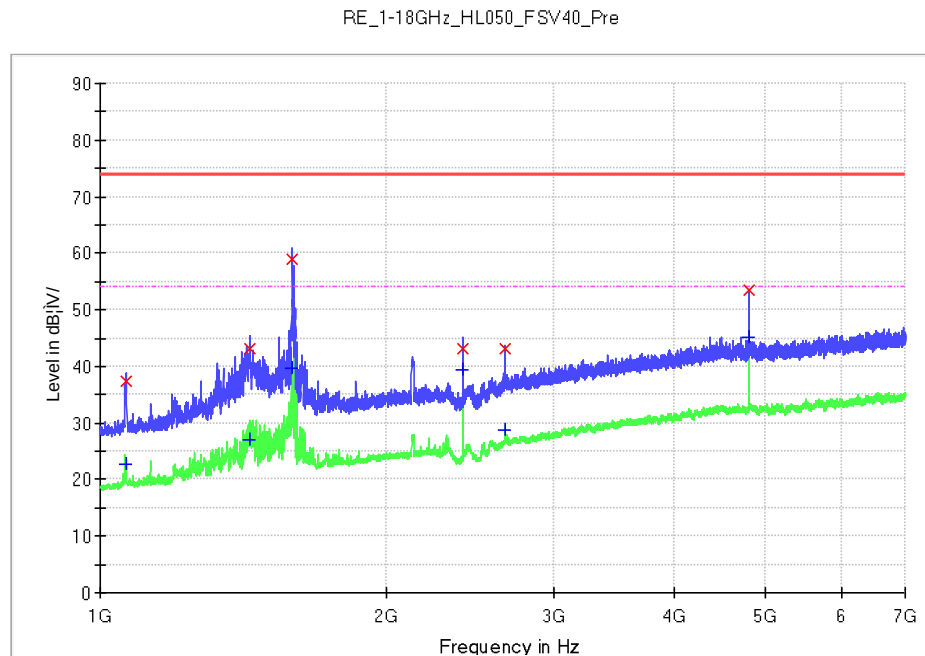
Date of testing	:	10.08.2020
Ambient temperature	:	23.2°C
Relative humidity	:	38.5%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.209(a) FCC Part 15.247(d) RSS-247 Issue 2, February 2017, Clause 5.5 RSS-Gen Issue 5, Amendment 1, March 2019, Clause 8.9
Test procedure	:	KDB 558074 D01v05r02 ANSI C63.10: 2013
Test voltage	:	DC 12V
Test modes applied	:	TM1 to TM3
Kind of test site	:	3m Anechoic Chamber

Figure 24: Radiated Spurious Emission, TM1, 30MHz to 1GHz, H

Table 17: Radiated Spurious Emission, TM1, 30MHz to 1GHz, H

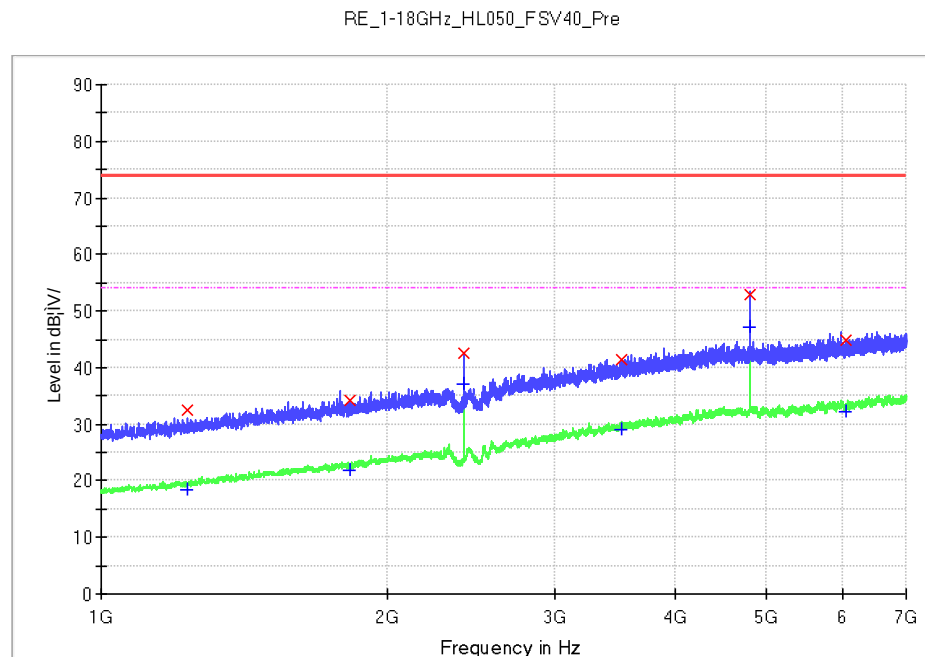
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.333750	21.4	H	24.8	18.6	40.0
63.950000	25.9	H	12.8	14.1	40.0
144.338750	18.1	H	17.8	25.4	43.5
241.460000	21.5	H	18.3	24.5	46.0
467.106250	20.4	H	24.3	25.6	46.0
752.286250	24.7	H	27.2	21.3	46.0

Figure 25: Radiated Spurious Emission, TM1, 30MHz to 1GHz, V

Table 18: Radiated Spurious Emission, TM1, 30MHz to 1GHz, V

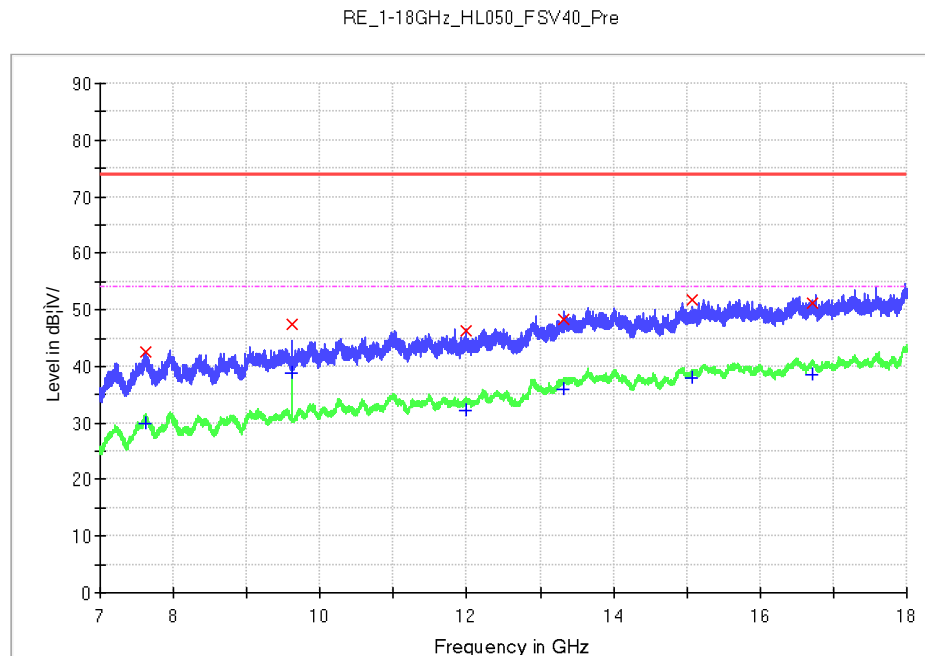
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.818750	21.2	V	24.6	18.8	40.0
63.950000	14.7	V	12.8	25.3	40.0
111.358750	14.6	V	18.5	28.9	43.5
134.760000	15.5	V	18.4	28.0	43.5
264.376250	17.2	V	20.7	28.8	46.0
642.312500	23.8	V	26.4	22.2	46.0

Figure 26: Radiated Spurious Emission, TM1, 1GHz to 7GHz, H

Table 19: Radiated Spurious Emission, TM1, 1GHz to 7GHz, H

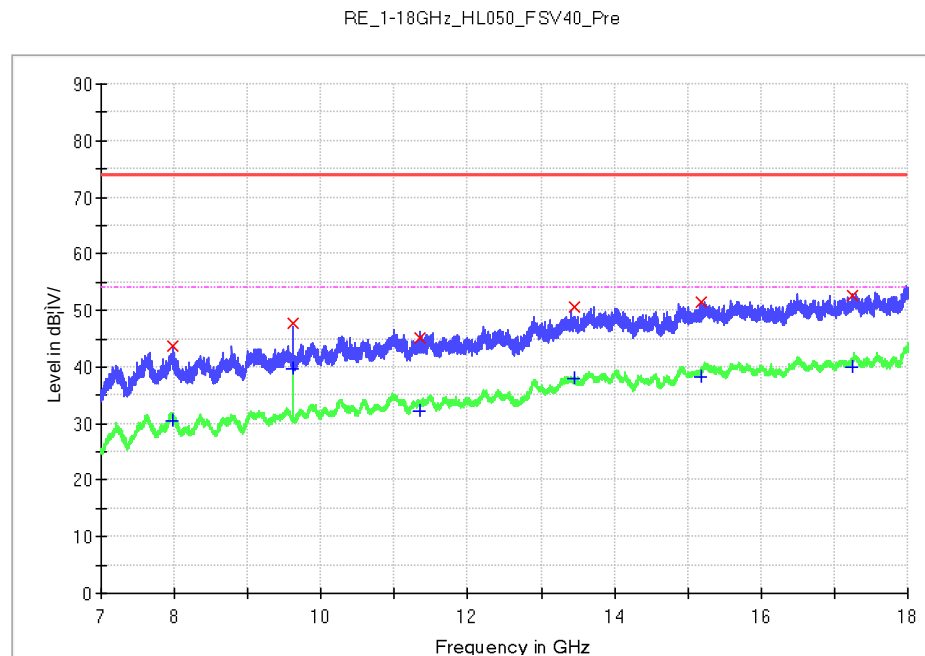
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
1066.000000	37.3	H	-22.1	36.7	74.0
1434.000000	43.2	H	-19.4	30.8	74.0
1593.000000	59.0	H	-18.4	15.0	74.0
2402.000000	43.2	H	-14.5	30.8	74.0
2659.500000	43.2	H	-13.3	30.8	74.0
4804.500000	53.4	H	-6.5	20.6	74.0

Figure 27: Radiated Spurious Emission, TM1, 1GHz to 7GHz, V

Table 20: Radiated Spurious Emission, TM1, 1GHz to 7GHz, V

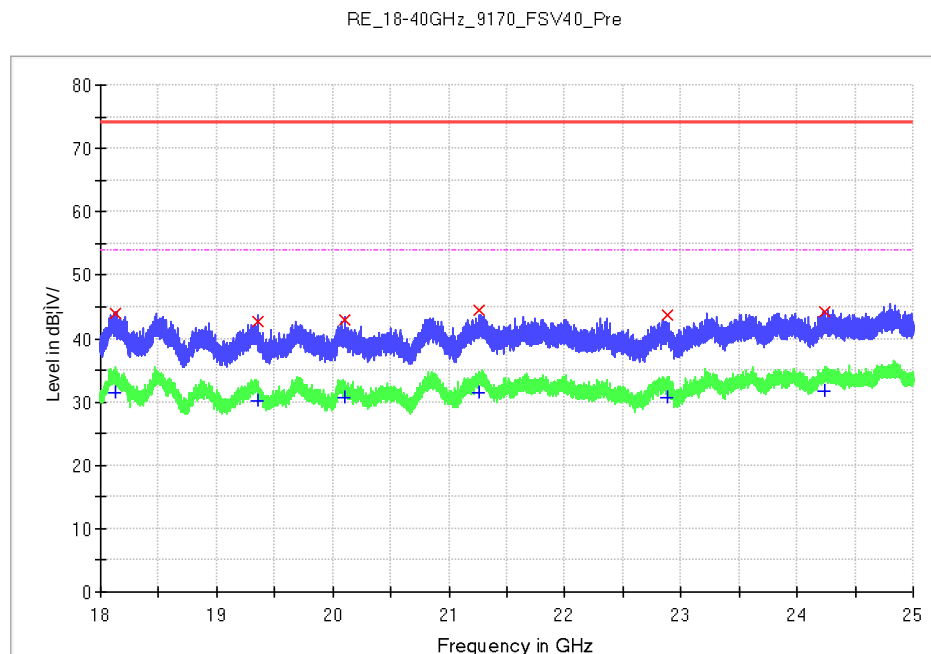
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
1232.000000	32.4	V	-21.0	41.6	74.0
1823.500000	34.4	V	-17.3	39.6	74.0
2402.000000	42.5	V	-14.5	31.5	74.0
3521.000000	41.3	V	-9.4	32.7	74.0
4804.000000	52.9	V	-6.5	21.1	74.0
6050.500000	44.9	V	-5.9	29.1	74.0

Figure 28: Radiated Spurious Emission, TM1, 7GHz to 18GHz, H

Table 21: Radiated Spurious Emission, TM1, 7GHz to 18GHz, H

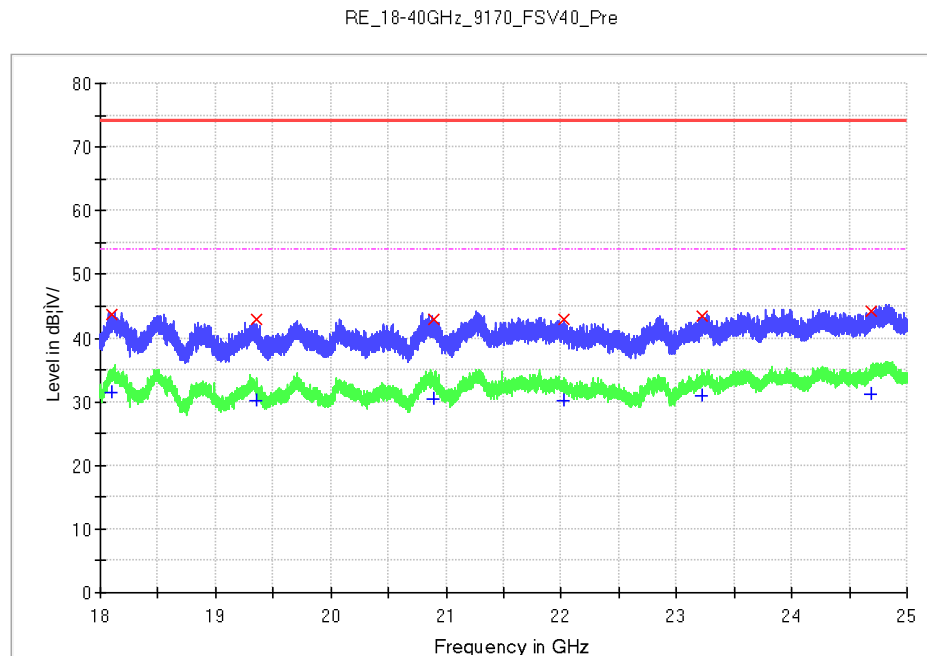
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
7614.166667	42.5	H	-3.1	31.5	74.0
9607.916667	47.3	H	-0.8	26.7	74.0
11980.250000	46.3	H	1.2	27.7	74.0
13313.083333	48.3	H	3.2	25.7	74.0
15083.166667	51.7	H	5.3	22.3	74.0
16702.916667	51.2	H	7.5	22.8	74.0

Figure 29: Radiated Spurious Emission, TM1, 7GHz to 18GHz, V

Table 22: Radiated Spurious Emission, TM1, 7GHz to 18GHz, V

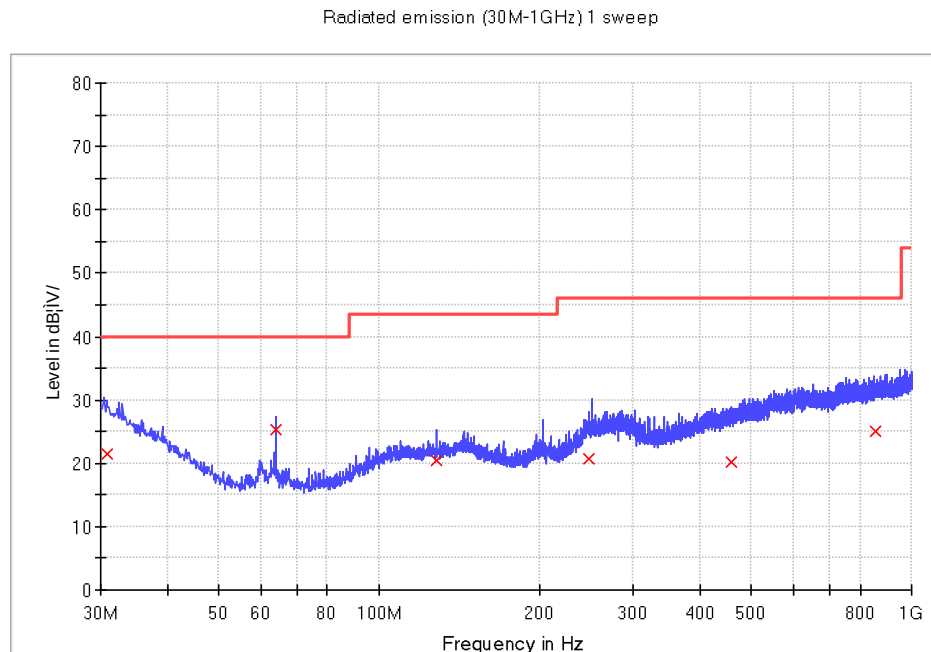
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
7971.666667	43.6	V	-3.0	30.4	74.0
9607.916667	47.9	V	-0.8	26.1	74.0
11356.916667	45.0	V	0.9	29.0	74.0
13458.833333	50.7	V	2.8	23.3	74.0
15178.500000	51.6	V	6.1	22.4	74.0
17249.250000	52.8	V	8.5	21.2	74.0

Figure 30: Radiated Spurious Emission, TM1, 18GHz to 25GHz, H

Table 23: Radiated Spurious Emission, TM1, 18GHz to 25GHz, H

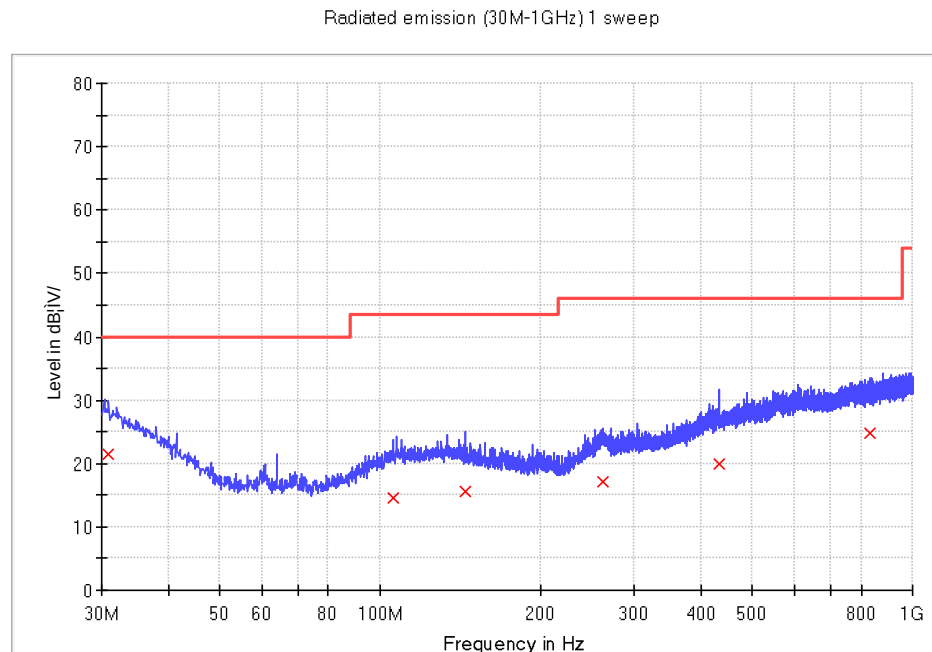
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
18127.750000	43.9	H	-8.8	30.1	74.0
19352.531250	42.7	H	-9.3	31.3	74.0
20097.593750	43.0	H	-7.7	31.0	74.0
21263.968750	44.4	H	-6.4	29.7	74.0
22884.031250	43.7	H	-5.7	30.3	74.0
24243.562500	44.1	H	-4.1	29.9	74.0

Figure 31: Radiated Spurious Emission, TM1, 18GHz to 25GHz, V

Table 24: Radiated Spurious Emission, TM1, 18GHz to 25GHz, V

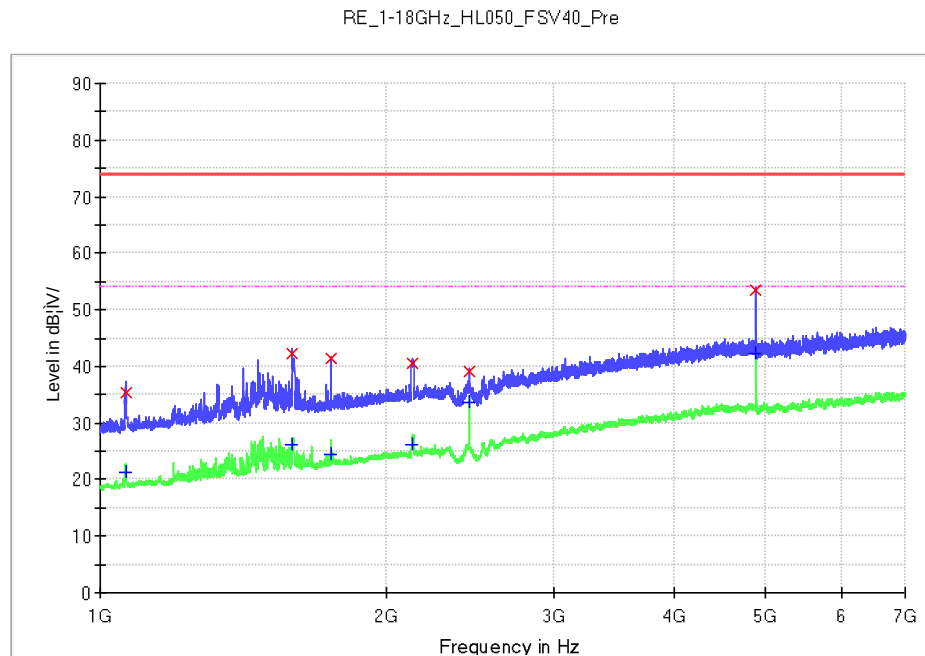
Frequency (MHz)	QuasiPeak (dBμV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBμV/m)
18101.937500	43.8	V	-8.8	30.2	74.0
19356.031250	43.0	V	-9.3	31.0	74.0
20895.156250	43.0	V	-7.1	31.0	74.0
22027.843750	42.8	V	-5.9	31.2	74.0
23216.093750	43.4	V	-4.9	30.6	74.0
24695.937500	44.1	V	-3.6	29.9	74.0

Figure 32: Radiated Spurious Emission, TM2, 30MHz to 1GHz, H

Table 25: Radiated Spurious Emission, TM2, 30MHz to 1GHz, H

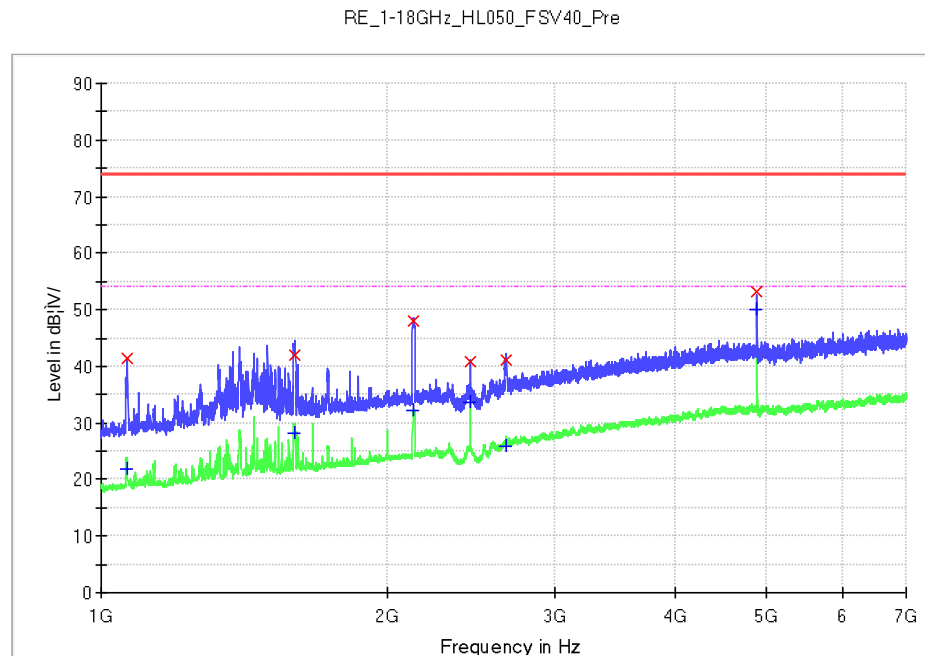
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.848750	21.6	H	25.0	18.4	40.0
63.950000	25.3	H	12.8	14.7	40.0
127.970000	20.5	H	18.7	23.0	43.5
247.886250	20.7	H	19.0	25.3	46.0
458.376250	20.1	H	24.3	25.9	46.0
856.318750	25.1	H	27.9	20.9	46.0

Figure 33: Radiated Spurious Emission, TM2, 30MHz to 1GHz, V

Table 26: Radiated Spurious Emission, TM2, 30MHz to 1GHz, V

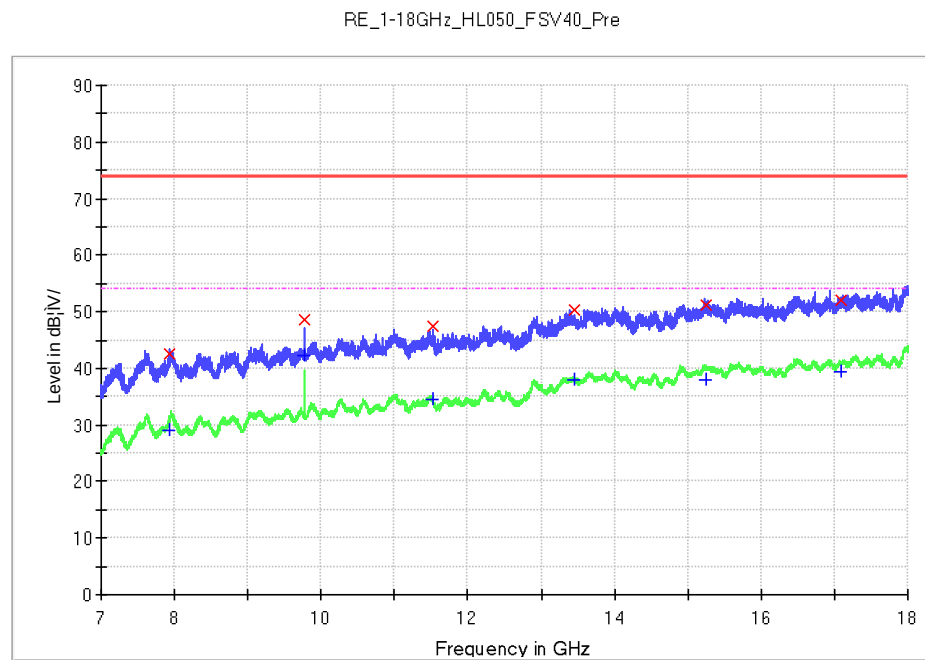
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.970000	21.5	V	24.9	18.5	40.0
105.902500	14.5	V	18.3	29.0	43.5
144.823750	15.5	V	17.7	28.0	43.5
261.345000	17.2	V	20.7	28.8	46.0
432.550000	19.9	V	23.5	26.1	46.0
831.705000	24.7	V	27.5	21.3	46.0

Figure 34: Radiated Spurious Emission, TM2, 1GHz to 7GHz, H

Table 27: Radiated Spurious Emission, TM2, 1GHz to 7GHz, H

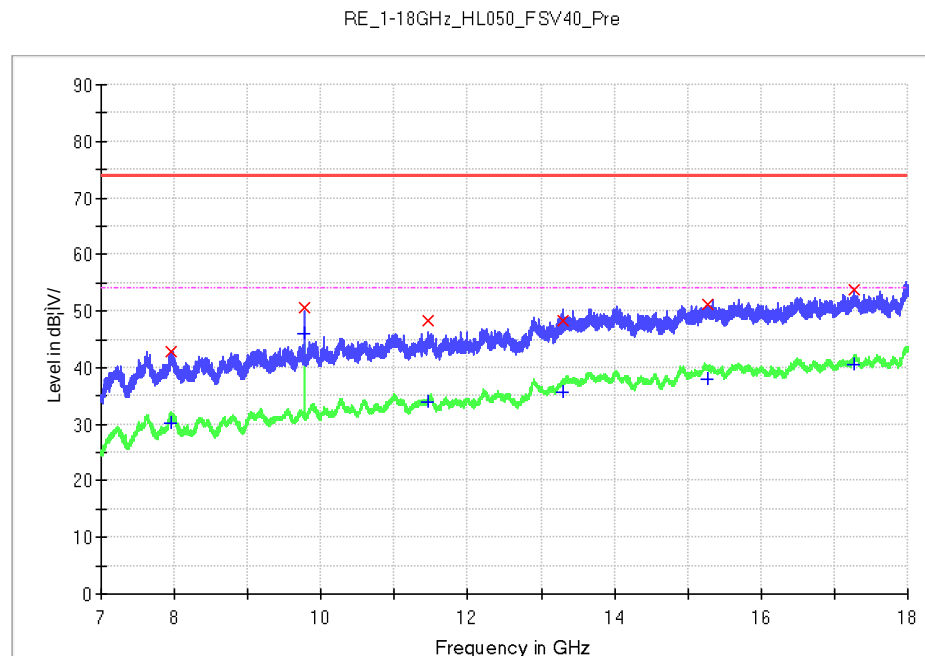
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
1063.000000	35.5	H	-22.1	38.5	74.0
1592.500000	42.3	H	-18.4	31.7	74.0
1747.500000	41.3	H	-17.6	32.7	74.0
2131.000000	40.6	H	-15.7	33.4	74.0
2440.000000	39.0	H	-14.3	35.0	74.0
4880.000000	48.8	H	-6.6	25.2	74.0

Figure 35: Radiated Spurious Emission, TM2, 1GHz to 7GHz, V

Table 28: Radiated Spurious Emission, TM2, 1GHz to 7GHz, V

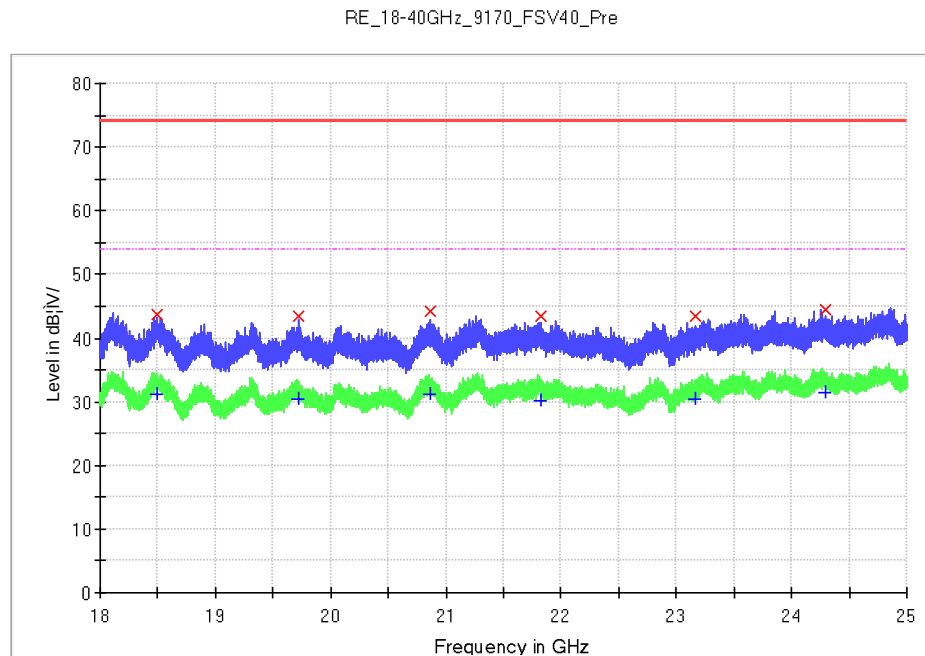
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
1063.500000	41.3	V	-22.1	32.7	74.0
1598.000000	42.1	V	-18.3	31.9	74.0
2123.000000	47.9	V	-15.8	26.1	74.0
2440.000000	40.7	V	-14.3	33.3	74.0
2662.000000	41.2	V	-13.3	32.8	74.0
4880.000000	53.1	V	-6.6	20.9	74.0

Figure 36: Radiated Spurious Emission, TM2, 7GHz to 18GHz, H

Table 29: Radiated Spurious Emission, TM2, 7GHz to 18GHz, H

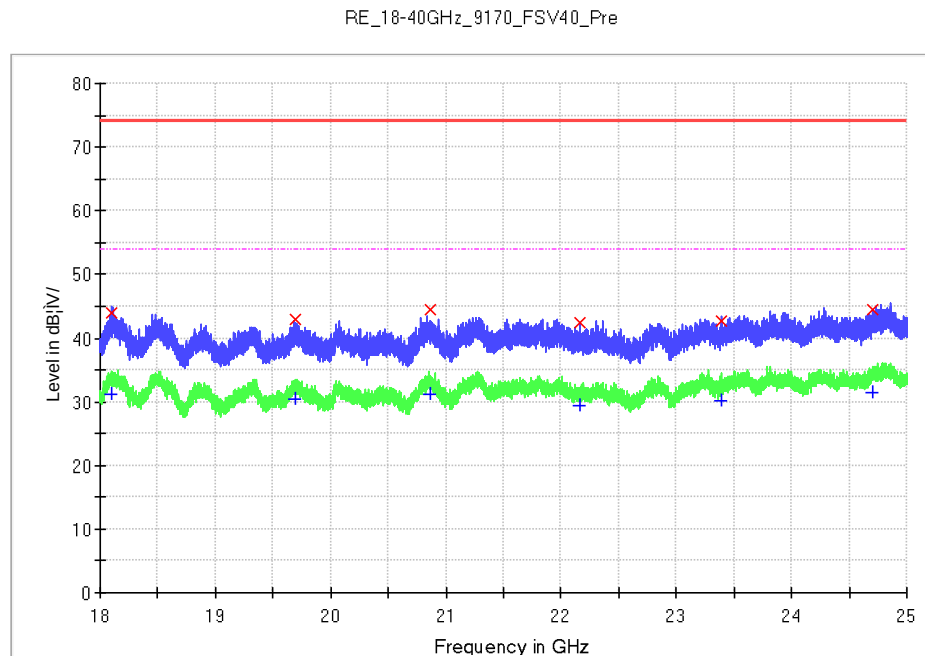
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
7931.333333	42.4	H	-2.9	31.6	74.0
9768.333333	48.5	H	-0.4	25.5	74.0
11522.833333	47.4	H	1.6	26.6	74.0
13455.166667	50.3	H	2.8	23.7	74.0
15253.666667	51.1	H	6.1	22.9	74.0
17079.666667	52.1	H	7.6	21.9	74.0

Figure 37: Radiated Spurious Emission, TM2, 7GHz to 18GHz, V

Table 30: Radiated Spurious Emission, TM2, 7GHz to 18GHz, V

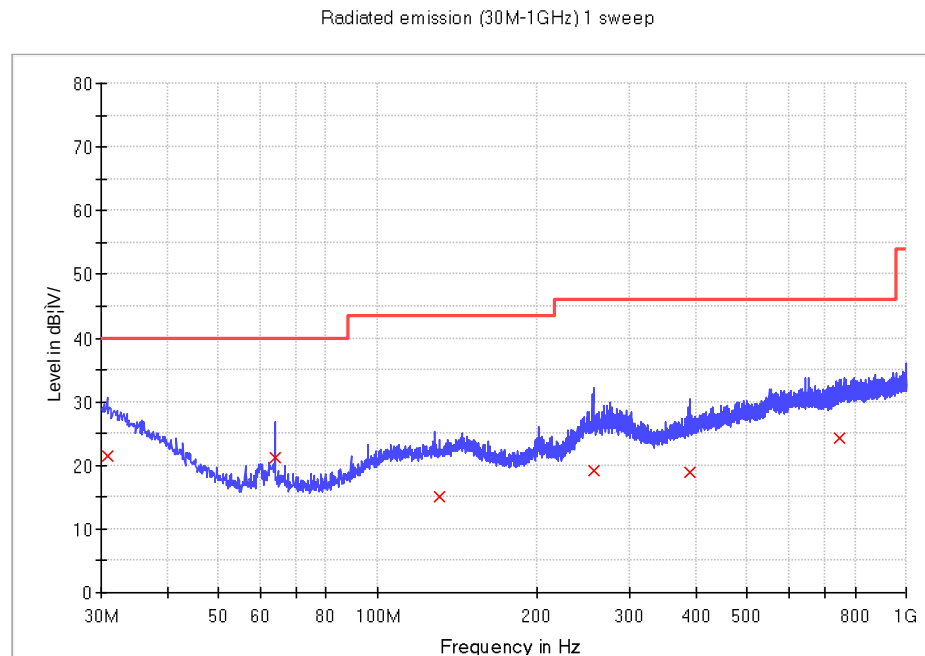
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
7949.666667	43.0	V	-3.0	31.0	74.0
9768.333333	50.7	V	-0.4	23.3	74.0
11455.000000	48.4	V	1.2	25.6	74.0
13304.833333	48.4	V	3.3	25.6	74.0
15268.333333	51.1	V	6.0	22.9	74.0
17265.750000	53.7	V	8.6	20.3	74.0

Figure 38: Radiated Spurious Emission, TM2, 18GHz to 25GHz, H

Table 31: Radiated Spurious Emission, TM2, 18GHz to 25GHz, H

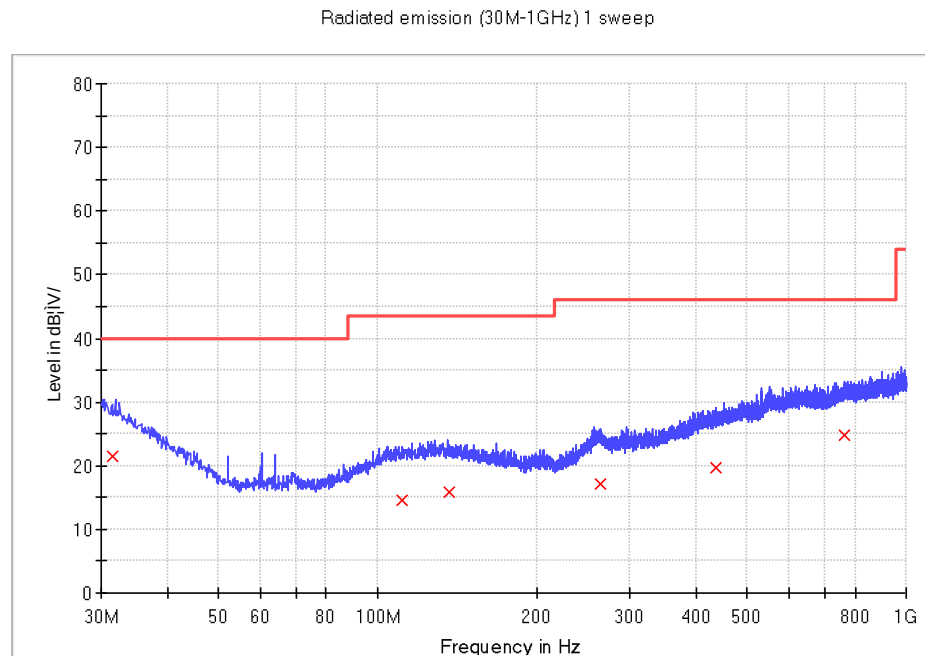
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
18500.718750	43.6	H	-9.3	30.4	74.0
19721.125000	43.4	H	-8.5	30.6	74.0
20857.968750	44.2	H	-7.2	29.8	74.0
21821.125000	43.5	H	-5.9	30.5	74.0
23166.656250	43.4	H	-5.0	30.6	74.0
24289.500000	44.6	H	-4.0	29.4	74.0

Figure 39: Radiated Spurious Emission, TM2, 18GHz to 25GHz, V

Table 32: Radiated Spurious Emission, TM2, 18GHz to 25GHz, V

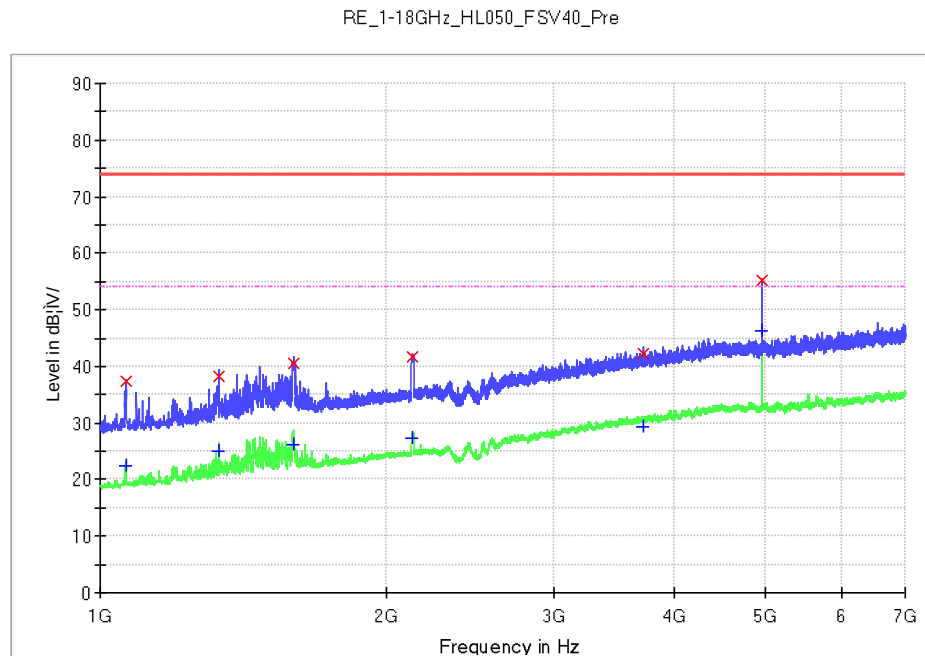
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
18101.937500	44.0	V	-8.8	30.0	74.0
19693.125000	43.0	V	-8.6	31.0	74.0
20864.750000	44.4	V	-7.2	29.6	74.0
22162.156250	42.4	V	-6.2	31.6	74.0
23388.250000	42.8	V	-4.5	31.2	74.0
24709.281250	44.5	V	-3.6	29.5	74.0

Figure 40: Radiated Spurious Emission, TM3, 30MHz to 1GHz, H

Table 33: Radiated Spurious Emission, TM3, 30MHz to 1GHz, H

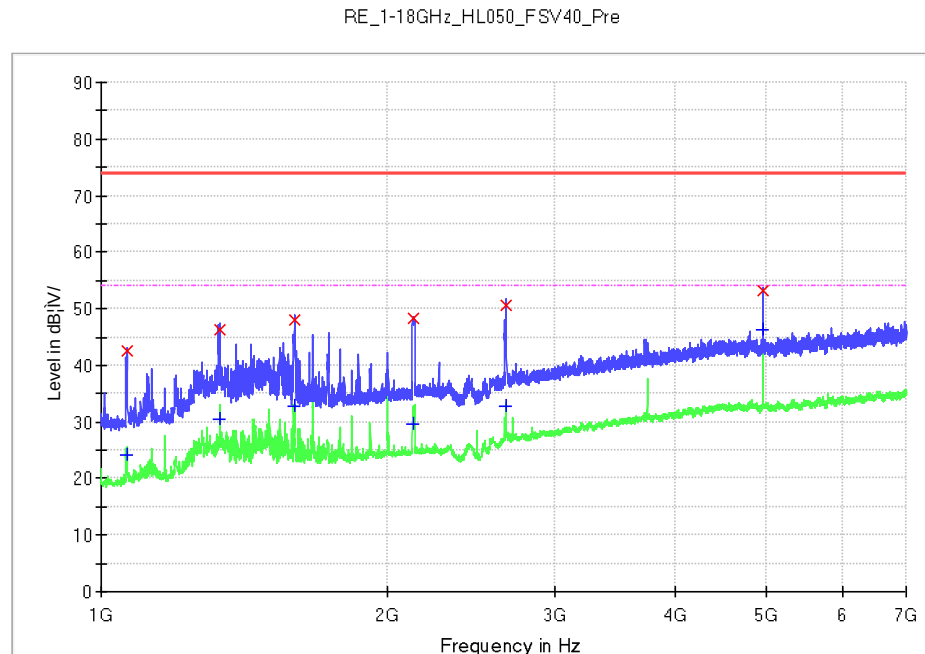
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.848750	21.5	H	25.0	18.5	40.0
63.950000	21.1	H	12.8	18.9	40.0
131.122500	15.1	H	18.7	28.4	43.5
255.767500	19.1	H	20.1	26.9	46.0
388.900000	19.0	H	22.1	27.0	46.0
747.921250	24.3	H	27.1	21.7	46.0

Figure 41: Radiated Spurious Emission, TM3, 30MHz to 1GHz, V

Table 34: Radiated Spurious Emission, TM3, 30MHz to 1GHz, V

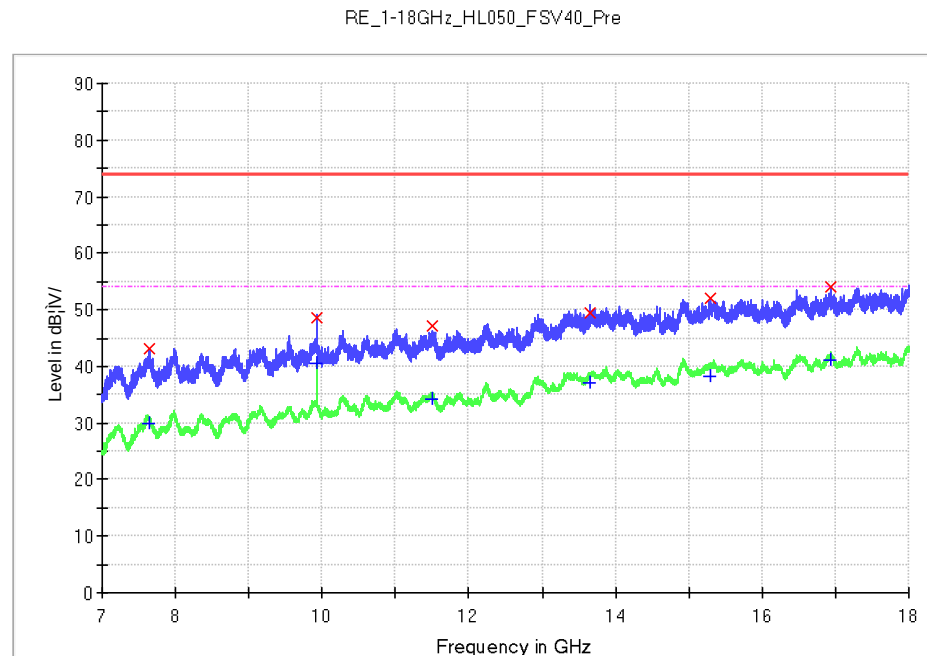
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.455000	21.3	V	24.7	18.7	40.0
111.601250	14.6	V	18.5	28.9	43.5
136.942500	15.8	V	18.3	27.7	43.5
264.255000	17.2	V	20.7	28.8	46.0
435.217500	19.7	V	23.5	26.3	46.0
766.108750	24.9	V	27.3	21.1	46.0

Figure 42: Radiated Spurious Emission, TM3, 1GHz to 7GHz, H

Table 35: Radiated Spurious Emission, TM3, 1GHz to 7GHz, H

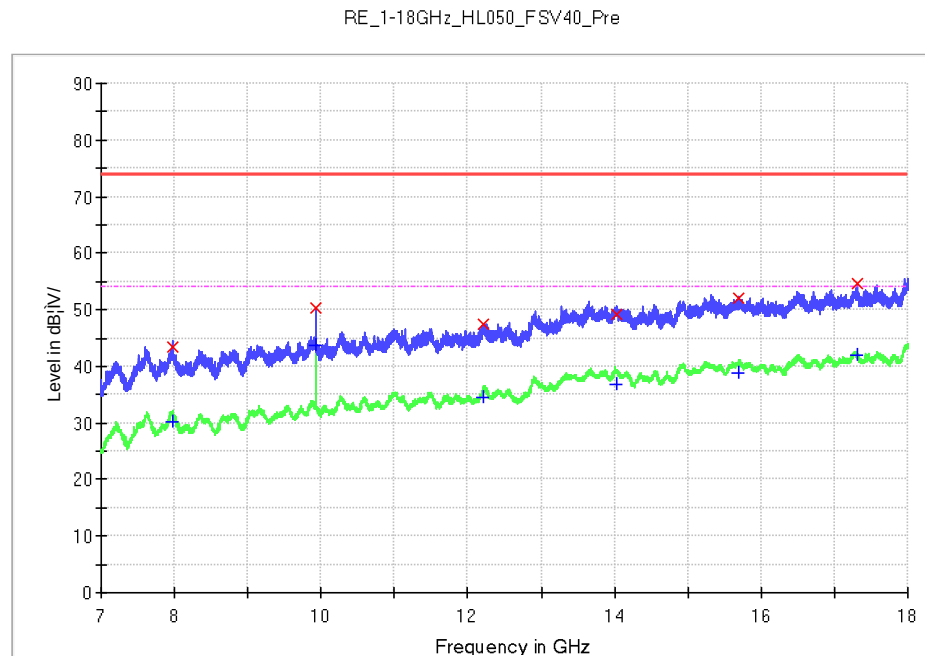
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
1066.000000	37.3	H	-22.1	36.7	74.0
1330.500000	38.1	H	-20.2	35.9	74.0
1595.000000	40.6	H	-18.4	33.4	74.0
2125.500000	41.6	H	-15.8	32.4	74.0
3715.500000	42.3	H	-8.8	31.7	74.0
4960.000000	55.1	H	-6.6	18.9	74.0

Figure 43: Radiated Spurious Emission, TM3, 1GHz to 7GHz, V

Table 36: Radiated Spurious Emission, TM3, 1GHz to 7GHz, V

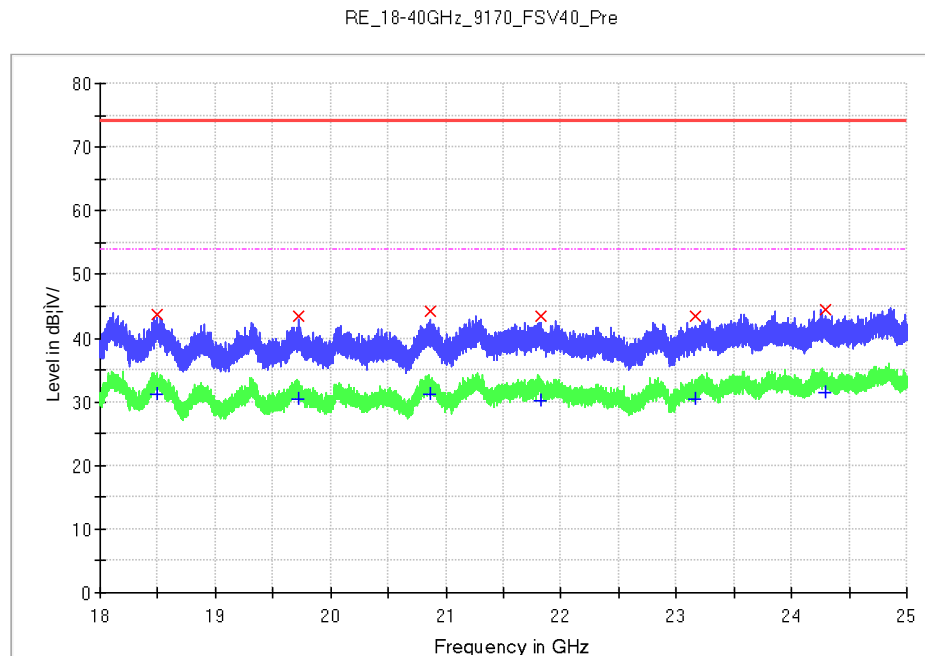
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
1065.500000	42.6	V	-22.1	31.4	74.0
1331.000000	46.2	V	-20.2	27.8	74.0
1596.500000	47.9	V	-18.3	26.1	74.0
2131.000000	48.3	V	-15.7	25.7	74.0
2664.500000	50.5	V	-13.3	23.5	74.0
4960.000000	53.1	V	-6.6	20.9	74.0

Figure 44: Radiated Spurious Emission, TM3, 7GHz to 18GHz, H

Table 37: Radiated Spurious Emission, TM3, 7GHz to 18GHz, H

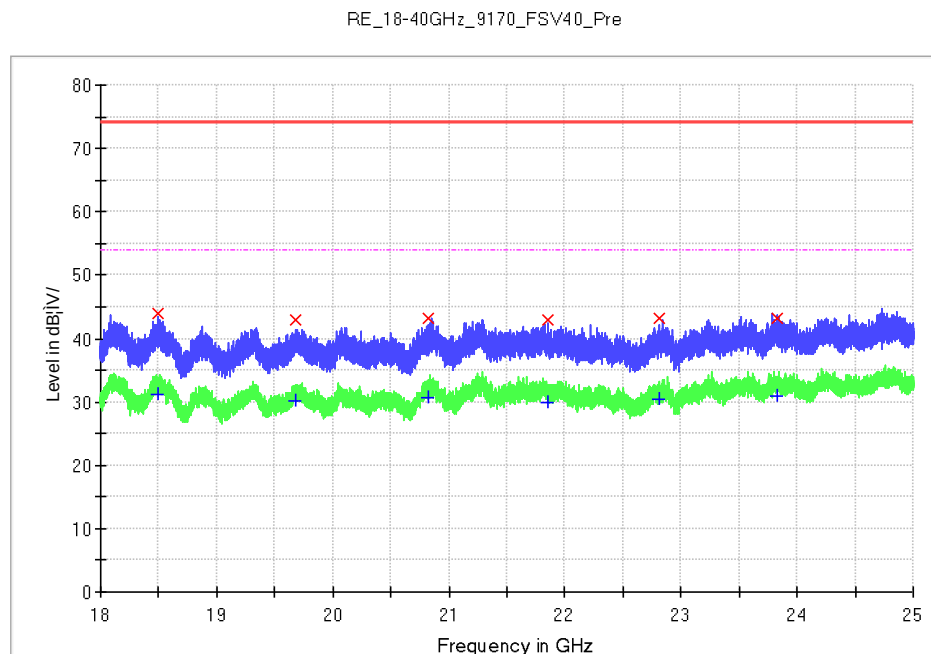
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
7639.833333	43.1	H	-3.1	30.9	74.0
9919.583333	48.7	H	-0.1	25.3	74.0
11510.916667	47.2	H	1.7	26.8	74.0
13663.250000	49.5	H	3.5	24.5	74.0
15288.500000	51.9	H	5.9	22.1	74.0
16929.333333	53.9	H	7.7	20.1	74.0

Figure 45: Radiated Spurious Emission, TM3, 7GHz to 18GHz, V

Table 38: Radiated Spurious Emission, TM3, 7GHz to 18GHz, V

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
7965.250000	43.3	V	-3.0	30.7	74.0
9920.500000	50.4	V	-0.1	23.6	74.0
12210.333333	47.4	V	1.8	26.6	74.0
14034.500000	49.3	V	4.5	24.7	74.0
15700.083333	52.1	V	6.4	21.9	74.0
17311.583333	54.6	V	9.0	19.4	74.0

Figure 46: Radiated Spurious Emission, TM3, 18GHz to 25GHz, H

Table 39: Radiated Spurious Emission, TM3, 18GHz to 25GHz, H

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
18500.718750	43.6	H	-9.3	30.4	74.0
19721.125000	43.4	H	-8.5	30.6	74.0
20857.968750	44.2	H	-7.2	29.8	74.0
21821.125000	43.5	H	-5.9	30.5	74.0
23166.656250	43.4	H	-5.0	30.6	74.0
24289.500000	44.6	H	-4.0	29.4	74.0

Figure 47: Radiated Spurious Emission, TM3, 18GHz to 25GHz, V

Table 40: Radiated Spurious Emission, TM3, 18GHz to 25GHz, V

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
18495.031250	43.9	V	-9.2	30.1	74.0
19679.343750	42.9	V	-8.6	31.1	74.0
20819.468750	43.2	V	-7.3	30.8	74.0
21852.843750	43.0	V	-5.9	31.0	74.0
22815.562500	43.3	V	-6.0	30.7	74.0
23832.968750	43.3	V	-4.2	30.7	74.0

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