


Prüfbericht-Nr.: <i>Test Report No.:</i>	50336414 001	Auftrags-Nr.: <i>Order No.:</i>	244134952	Seite 1 von 94 <i>Page 1 of 94</i>	
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	442022	Auftragsdatum: <i>Order date:</i>	17.04.2019		
Auftraggeber: <i>Client:</i>	Alpine Electronics Inc 20-1, Yoshima Industrial Park, Iwaki, Fukushima, Japan				
Prüfgegenstand: <i>Test item:</i>	Smartphone Link Display Audio				
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	SDA3UM FCC ID: A269ZUA161 IC: 700B-UA161				
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>	16.01.2020				
Prüfmuster-Nr.: <i>Test sample No.:</i>	A001058466-001~003				
Prüfzeitraum: <i>Testing period:</i>	16.01.2020 to 13.02.2020				
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:	<i>Elliot Zhang</i>		kontrolliert von / reviewed by:	<i>Hongfei Wu</i>	
17.02.2020	Elliot Zhang / PE		17.02.2020	Hongfei Wu / Reviewer	
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>
Sonstiges / Other HVIN: SDA3UM Software Version: 01.840.000					
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 P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet <i>Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor</i> 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>					

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT*RESULT: Pass***5.1.2 20DB & 99% BANDWIDTH***RESULT: Pass***5.1.3 PEAK OUTPUT POWER***RESULT: Pass***5.1.4 FREQUENCY SEPARATION***RESULT: Pass***5.1.5 NUMBER OF HOPPING FREQUENCY***RESULT: Pass***5.1.6 TIME OF OCCUPANCY***RESULT: Pass***5.1.7 CONDUCTED BAND-EDGE***RESULT: Pass***5.1.8 CONDUCTED SPURIOUS EMISSIONS***RESULT: Pass***5.2.1 CONDUCTED EMISSION***RESULT: N/A***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	09.05.2020
DC Power Supply	ALLPOWER	ADC50-20	99223	12.10.2020
Thermohygrometer	Testo	608-H1	1241320614	13.10.2020

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.

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	±2.93 dB
	30MHz - 1GHz	±5.34dB
	> 1GHz	±5.40dB

3. General Product Information

3.1 Product Function and Intended Use

The EUT (Equipment Under Test) is a Smartphone Link Display Audio which support Bluetooth Classic function.

The aim of this report is to evaluate the RF characteristic of the Bluetooth Classical Part of this product.

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:	Smartphone Link Display Audio
Model No.:	SDA3UM
Rated Voltage:	DC 13.5V
Bluetooth Classical	
Frequency Range:	2402 - 2480MHz
Channel No.:	79
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Data Rate:	1Mbps(GFSK), 2Mbps($\pi/4$ DQPSK), 3Mbps(8DPSK)
Antenna Type:	PCB Antenna
Antenna Gain:	0.94dBi

3.3 Independent Operation Modes

Table 4: Test Modes

Test Mode	Data Rate	Channel
TM1	1-DH5	00
TM2	1-DH5	39
TM3	1-DH5	78
TM4	2-DH5	00
TM5	2-DH5	39
TM6	2-DH5	78
TM7	3-DH5	00
TM8	3-DH5	39
TM9	3-DH5	78
TM10	1-DH1	Hopping
TM11	1-DH3	Hopping
TM12	1-DH5	Hopping
TM13	2-DH1	Hopping
TM14	2-DH3	Hopping
TM15	2-DH5	Hopping
TM16	3-DH1	Hopping
TM17	3-DH3	Hopping
TM18	3-DH5	Hopping

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.

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 0.94 dBi 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 6.3 – External Control	
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 limits prescribed in the applicable RSS.
Results:	The device does not have any transmitter external controls accessible to the user that can be adjusted and operated in violation of the limits of this standard.
Verdict:	PASS

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RSS-Gen 8.3 – Antenna Requirement

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

Results:

a) Antenna Type:	PCB Antenna
b) Manufacture:	N/A
c) Model No.:	N/A
d) Gain with reference to an isotropic radiator:	0.94dBi

Verdict: PASS

Figure 1: 20dB & 99% Bandwidth, TM1

Figure 2: 20dB & 99% Bandwidth, TM2


Figure 3: 20dB & 99% Bandwidth, TM3

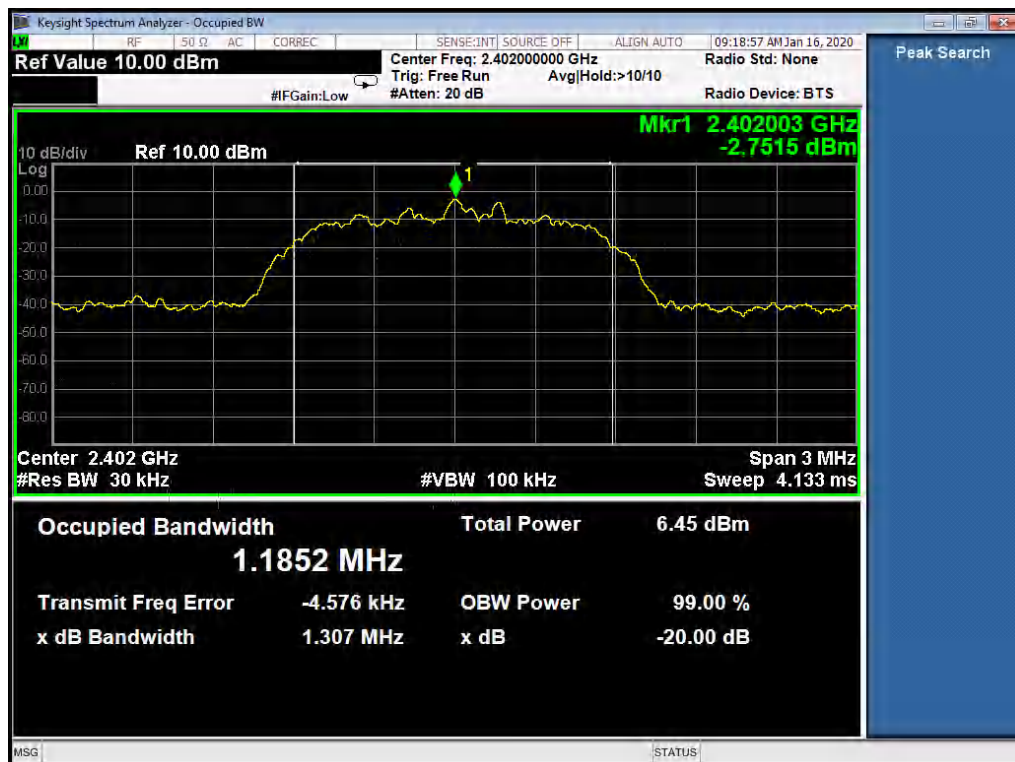
Figure 4: 20dB & 99% Bandwidth, TM4


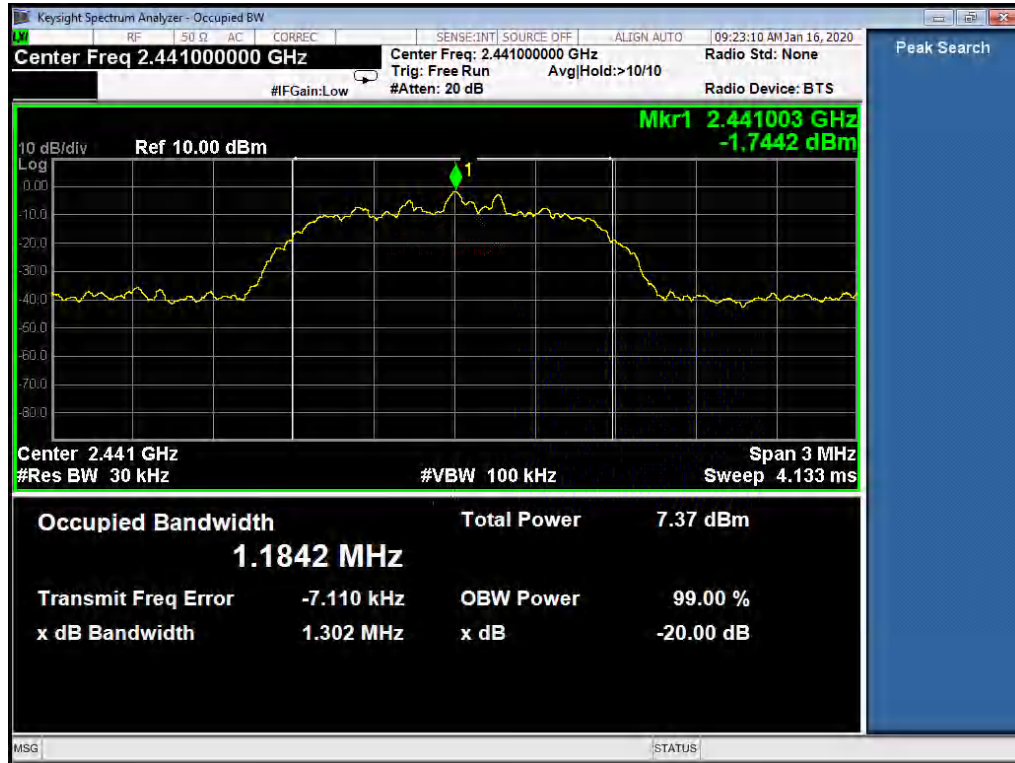
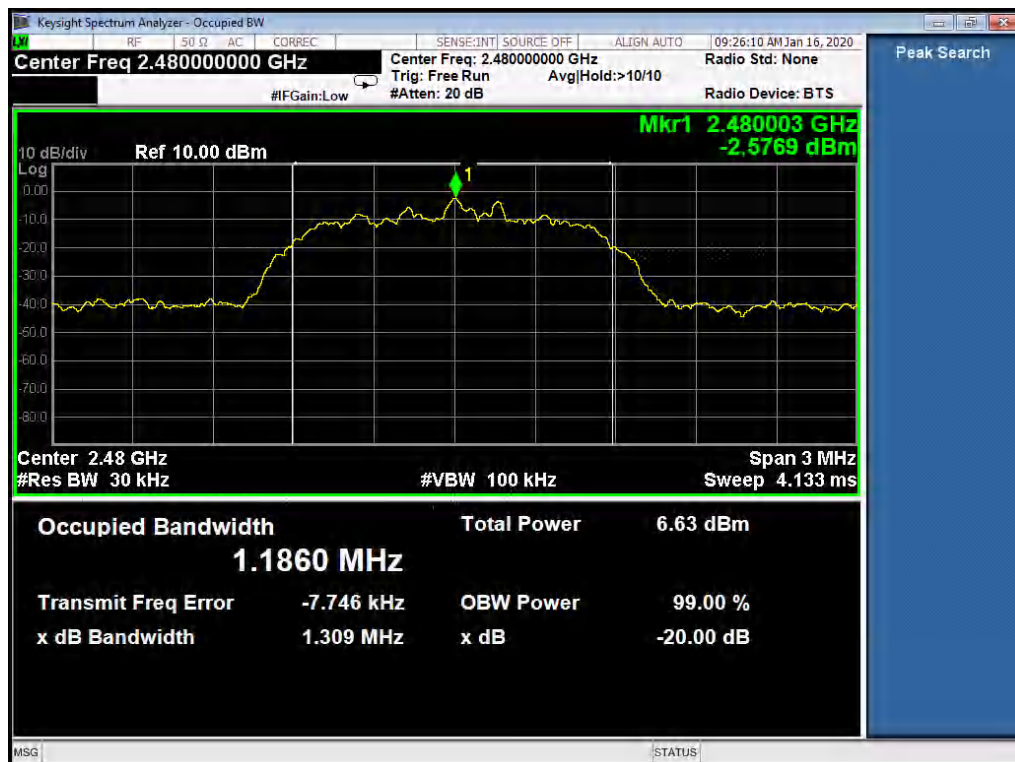
Figure 5: 20dB & 99% Bandwidth, TM5

Figure 6: 20dB & 99% Bandwidth, TM6


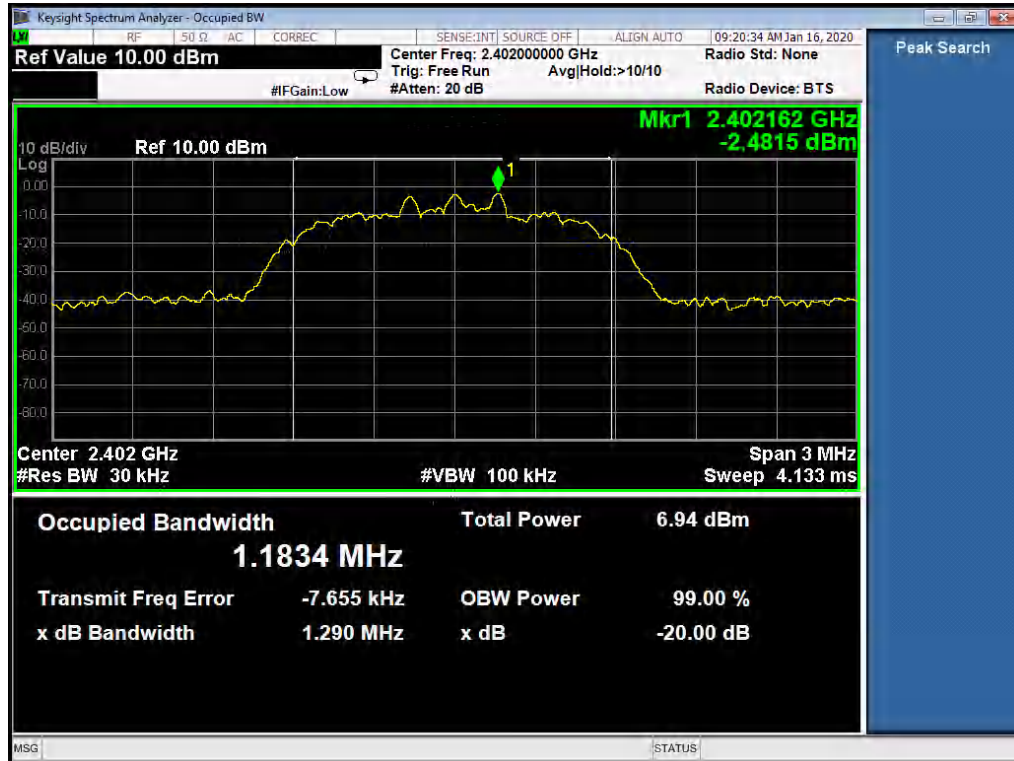
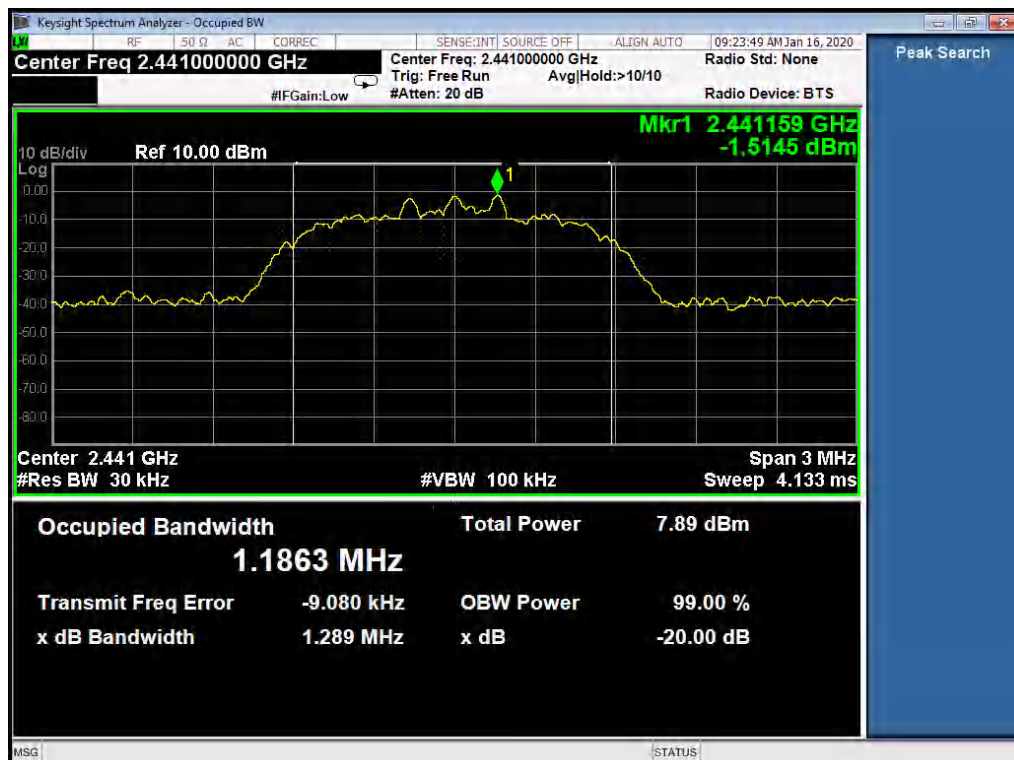
Figure 7: 20dB & 99% Bandwidth, TM7

Figure 8: 20dB & 99% Bandwidth, TM8


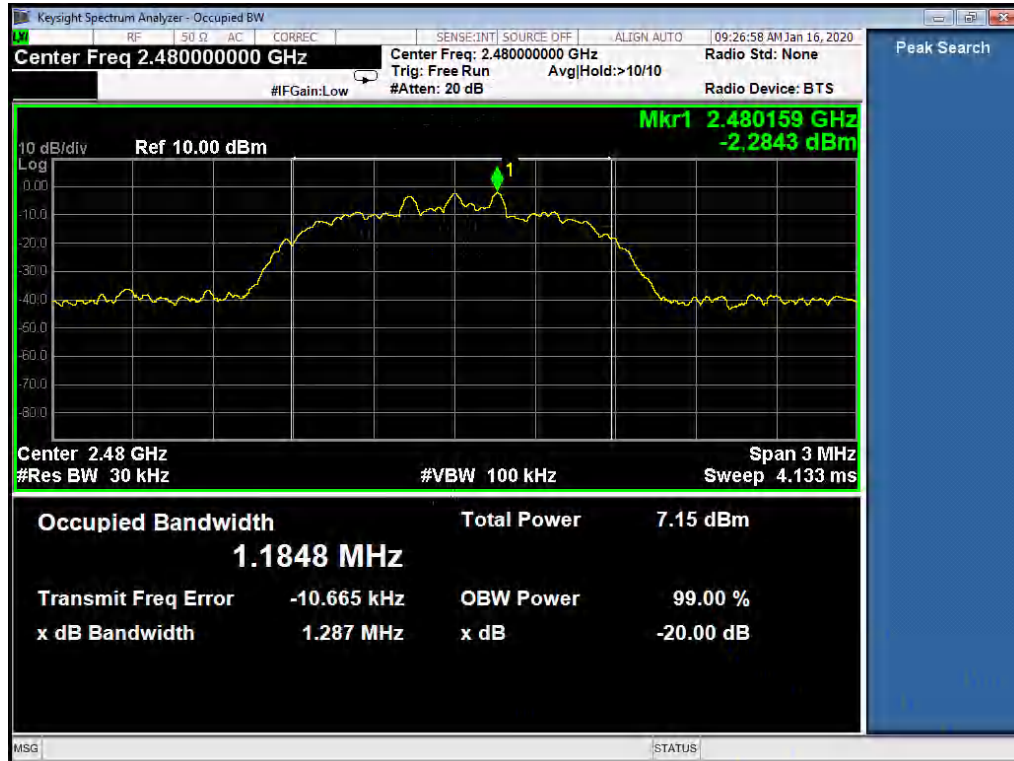
Figure 9: 20dB & 99% Bandwidth, TM9


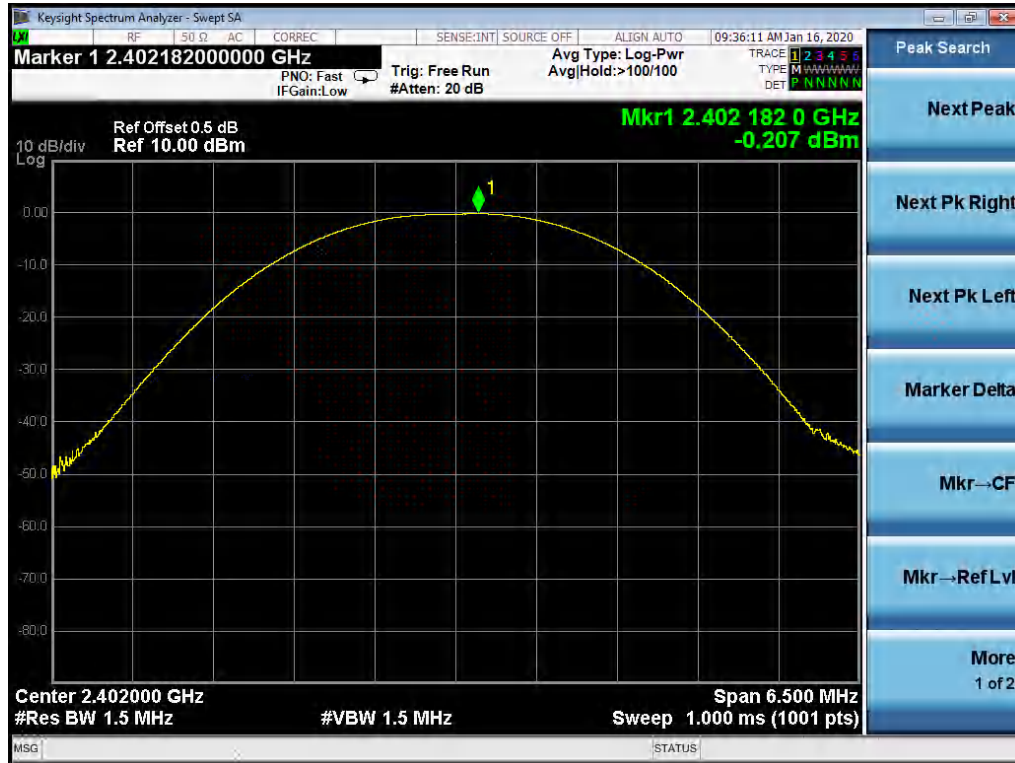
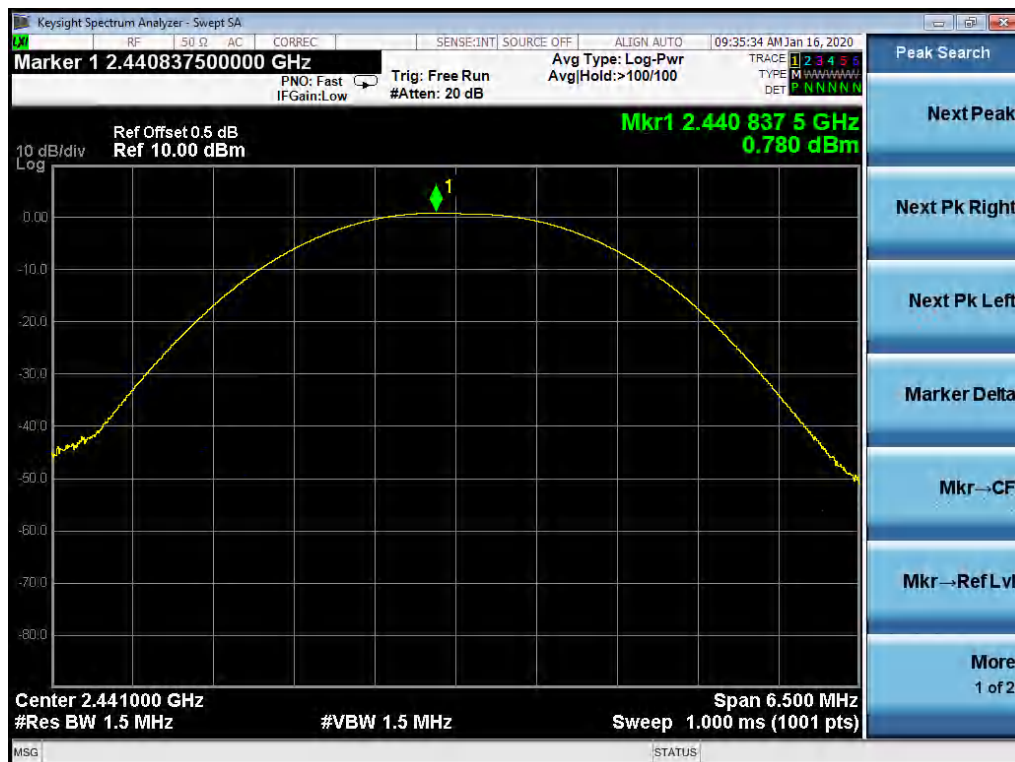
Figure 10: Peak Output Power, TM1

Figure 11: Peak Output Power, TM2


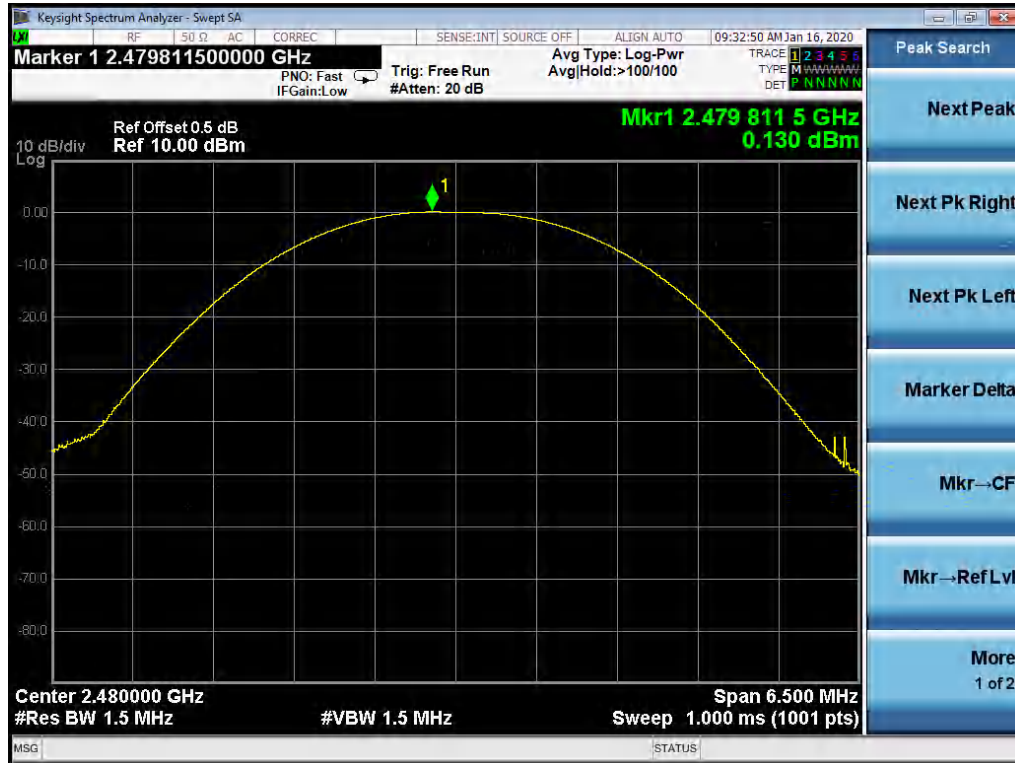
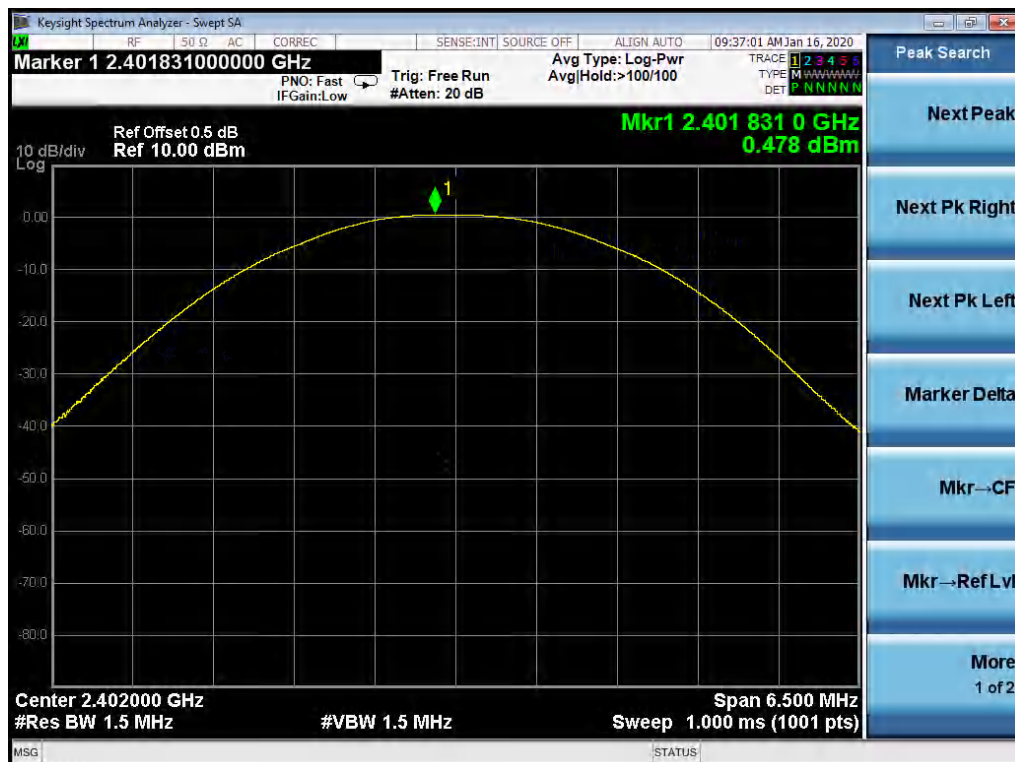
Figure 12: Peak Output Power, TM3

Figure 13: Peak Output Power, TM4


Figure 14: Peak Output Power, TM5

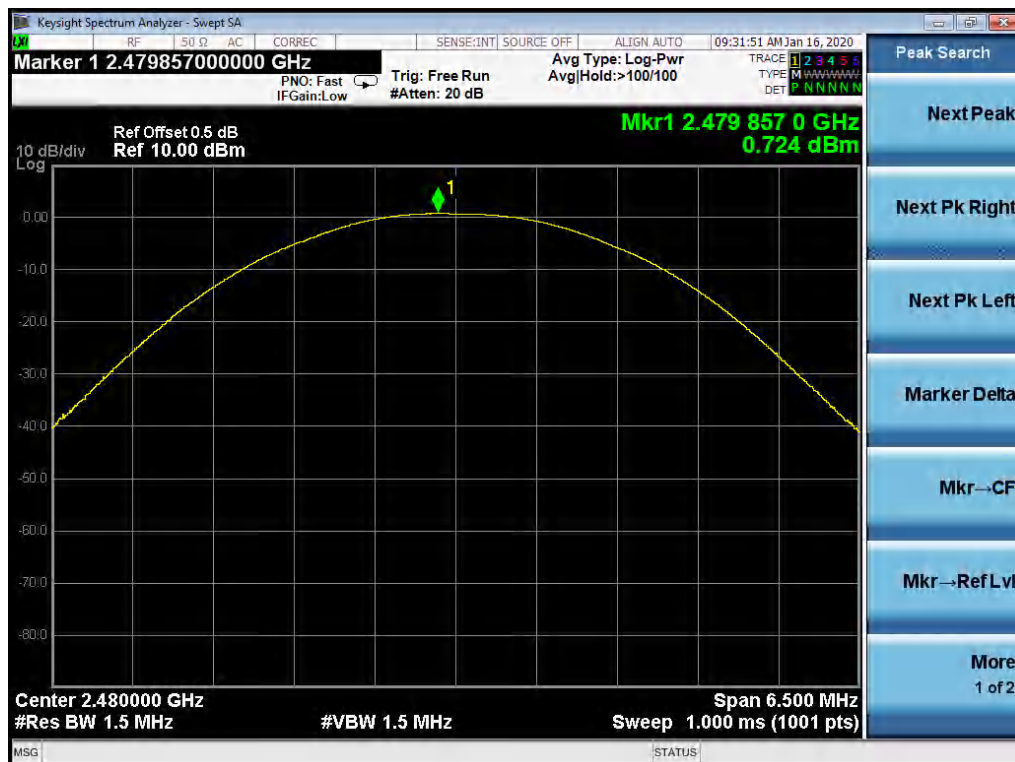
Figure 15: Peak Output Power, TM6


Figure 16: Peak Output Power, TM7

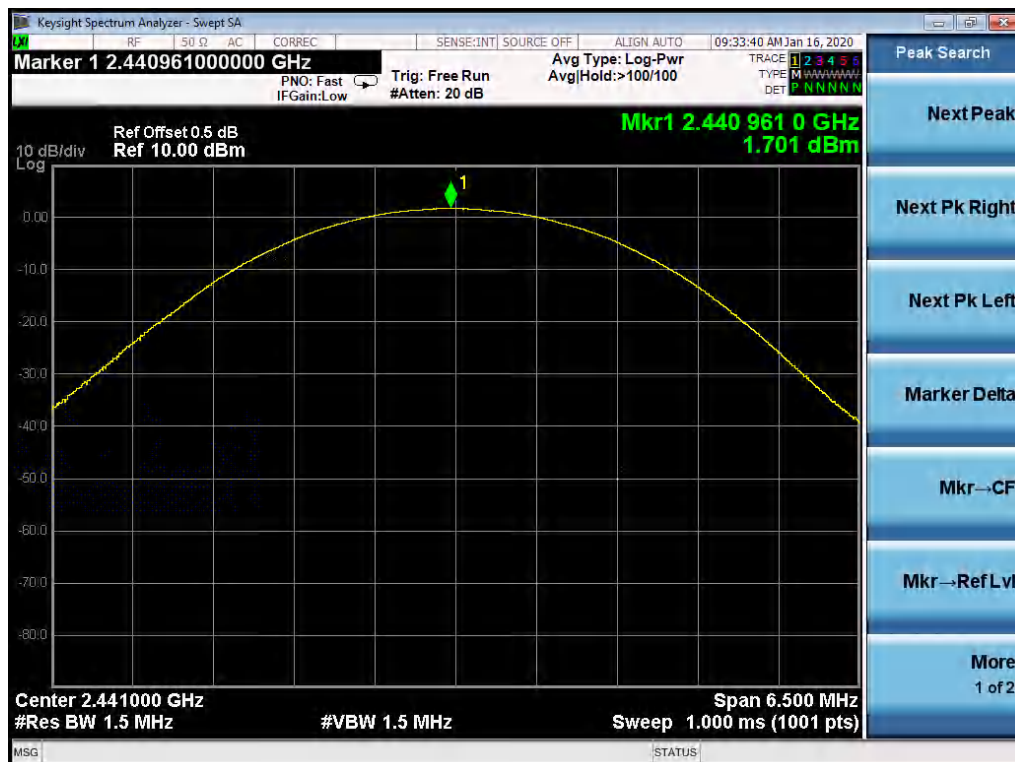
Figure 17: Peak Output Power, TM8


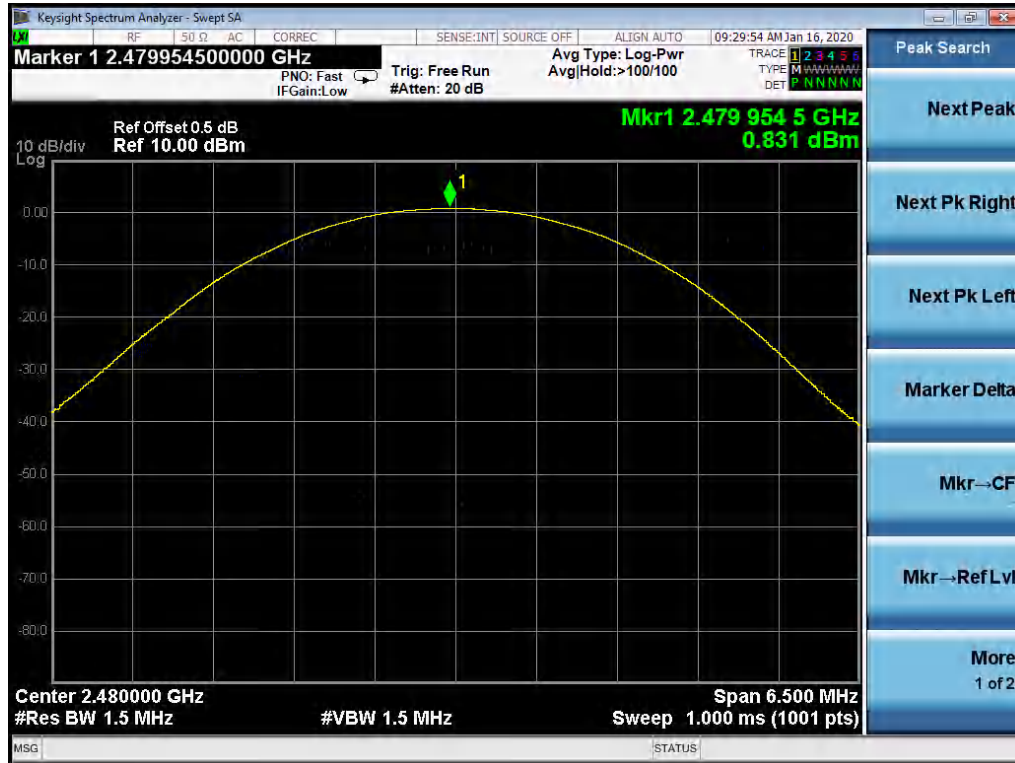
Figure 18: Peak Output Power, TM9


Figure 19: Frequency Separation, TM12, observation Frequency 2402MHz

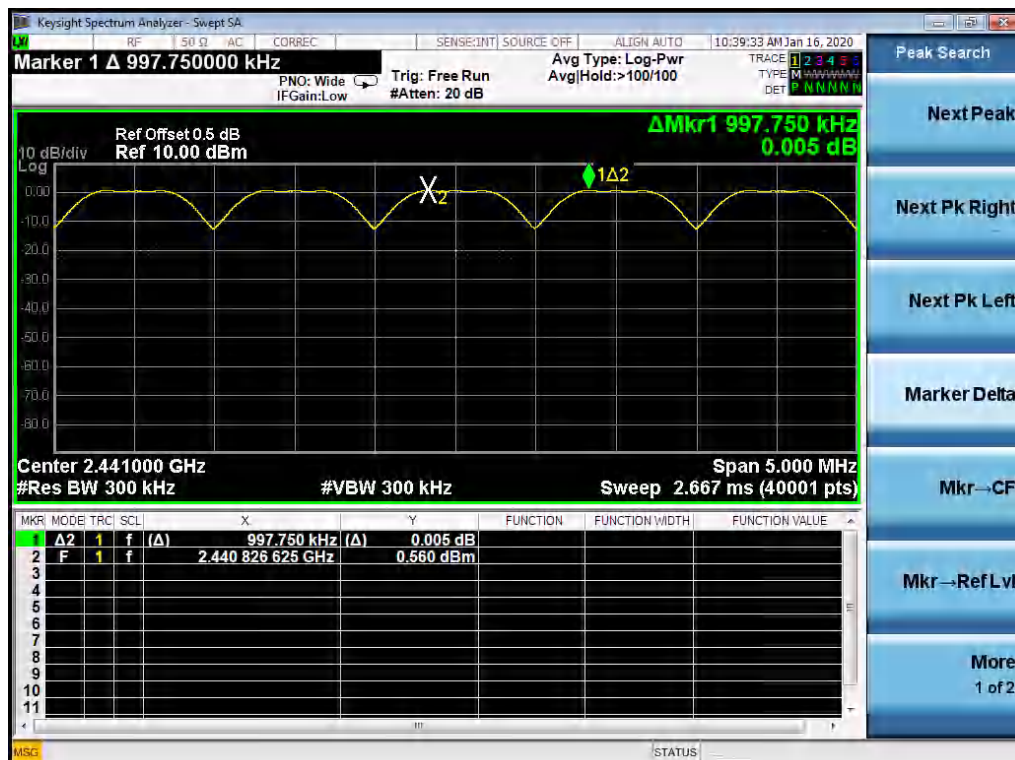
Figure 20: Frequency Separation, TM12, observation Frequency 2441MHz


Figure 21: Frequency Separation, TM12, observation Frequency 2480MHz

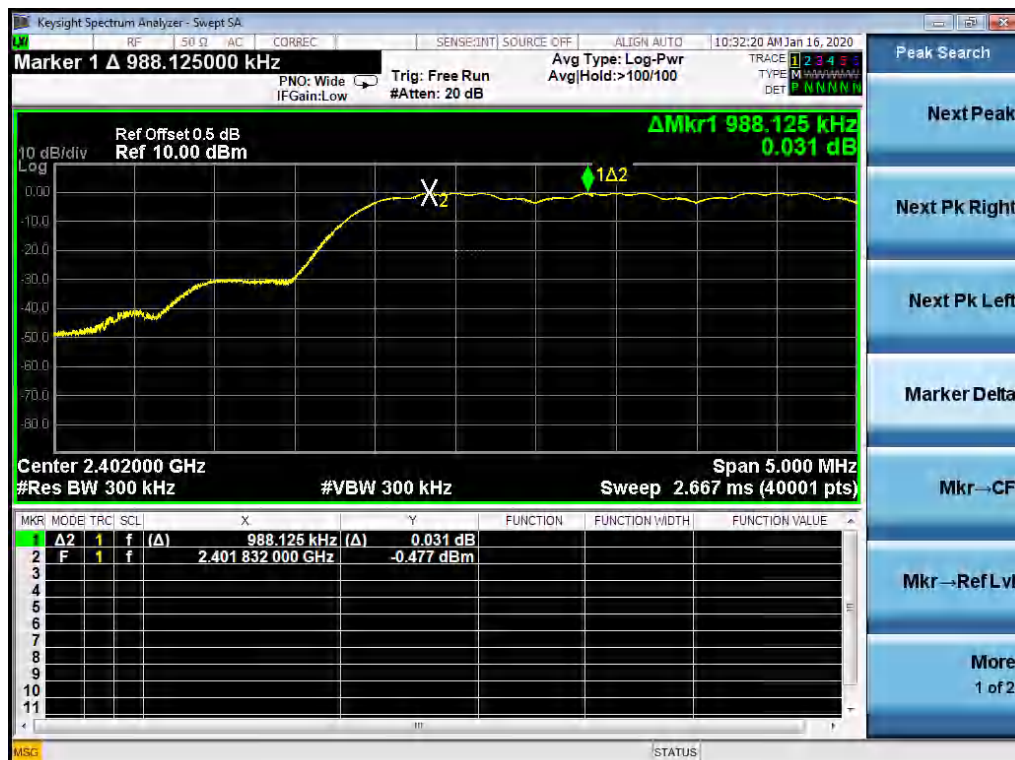
Figure 22: Frequency Separation, TM15, observation Frequency 2402MHz


Figure 23: Frequency Separation, TM15, observation Frequency 2441MHz

Figure 24: Frequency Separation, TM15, observation Frequency 2480MHz


Figure 25: Frequency Separation, TM18, observation Frequency 2402MHz

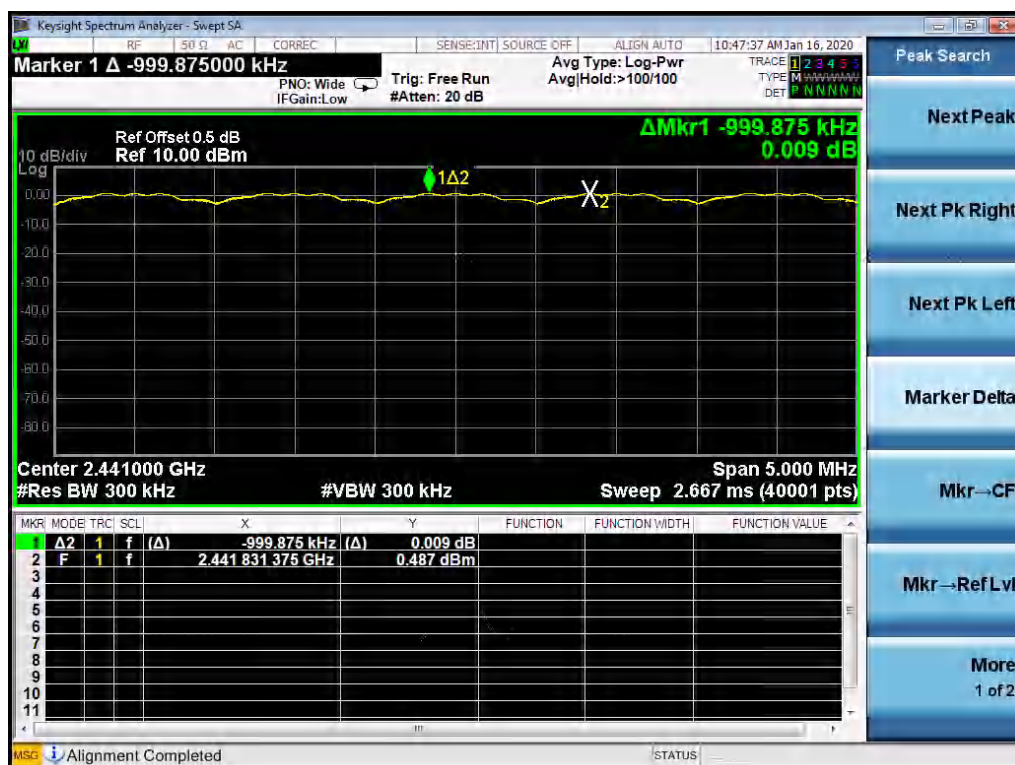
Figure 26: Frequency Separation, TM18, observation Frequency 2441MHz


Figure 27: Frequency Separation, TM18, observation Frequency 2480MHz


5.1.5 Number of Hopping Frequency

RESULT:**Pass**

Date of testing : 16.01.2020
Ambient temperature : 24.4°C
Relative humidity : 36.1%
Atmospheric pressure : 101kPa
Test requirement : FCC 15.247(a)(1)(iii)
Clause 5.1(d) of RSS-247 Issue 2 February 2017
Test procedure : KDB 558074 D01v05r02
ANSI C63.10: 2013
Test voltage : DC 13.5V
Test modes applied : TM12, TM15, TM18

Table 9: Number of Hopping Frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit
2402 to 2480	79	≥15

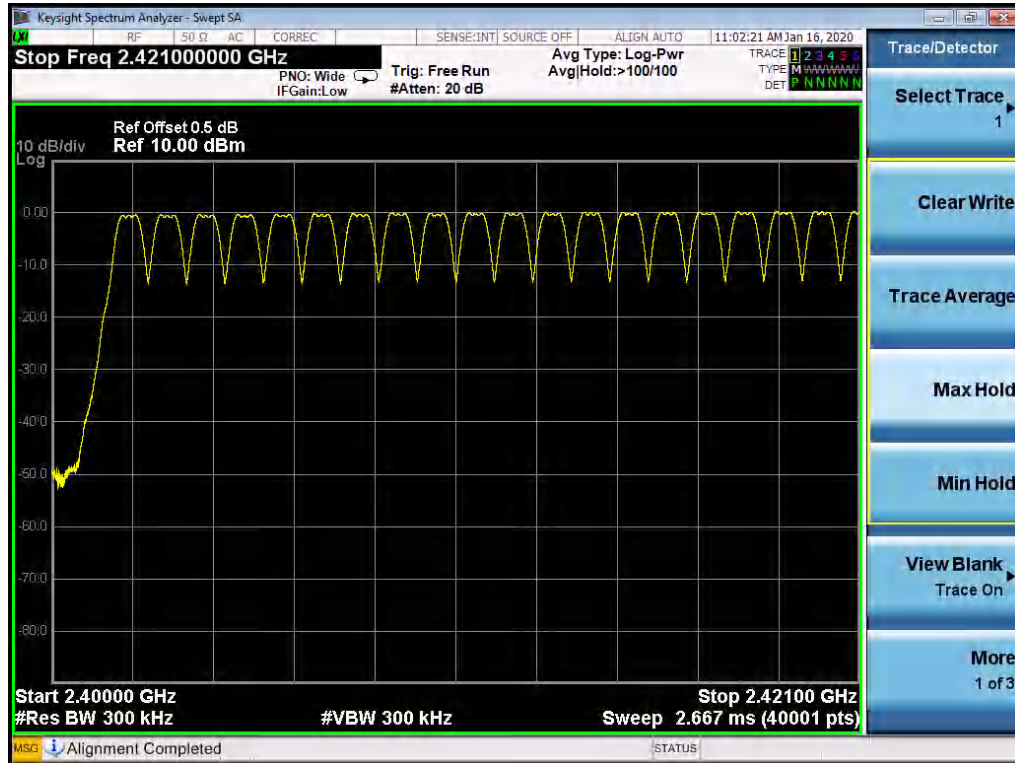
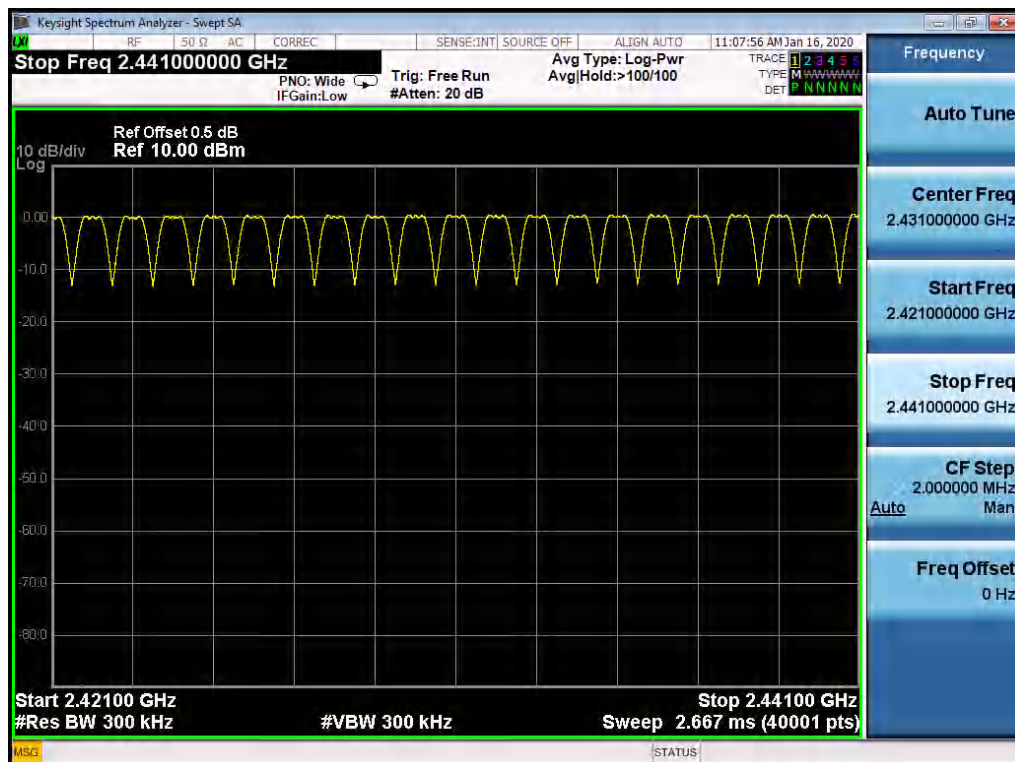
Figure 28: Number of Hopping Frequency, TM12, part 1

Figure 29: Number of Hopping Frequency, TM12, part 2


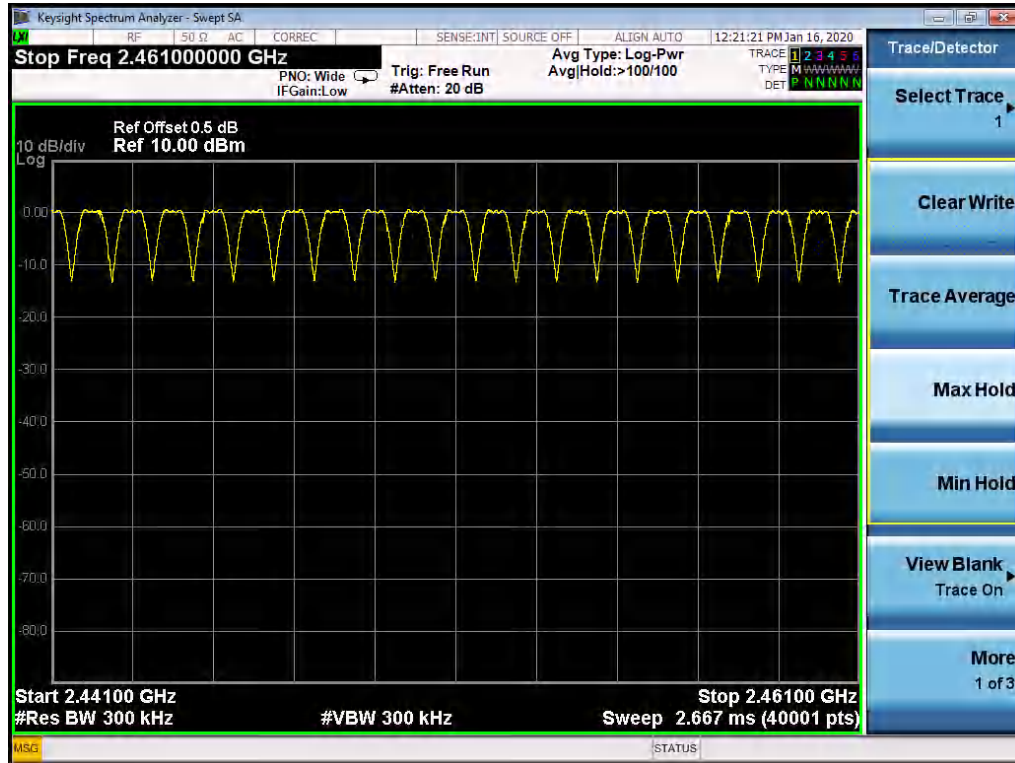
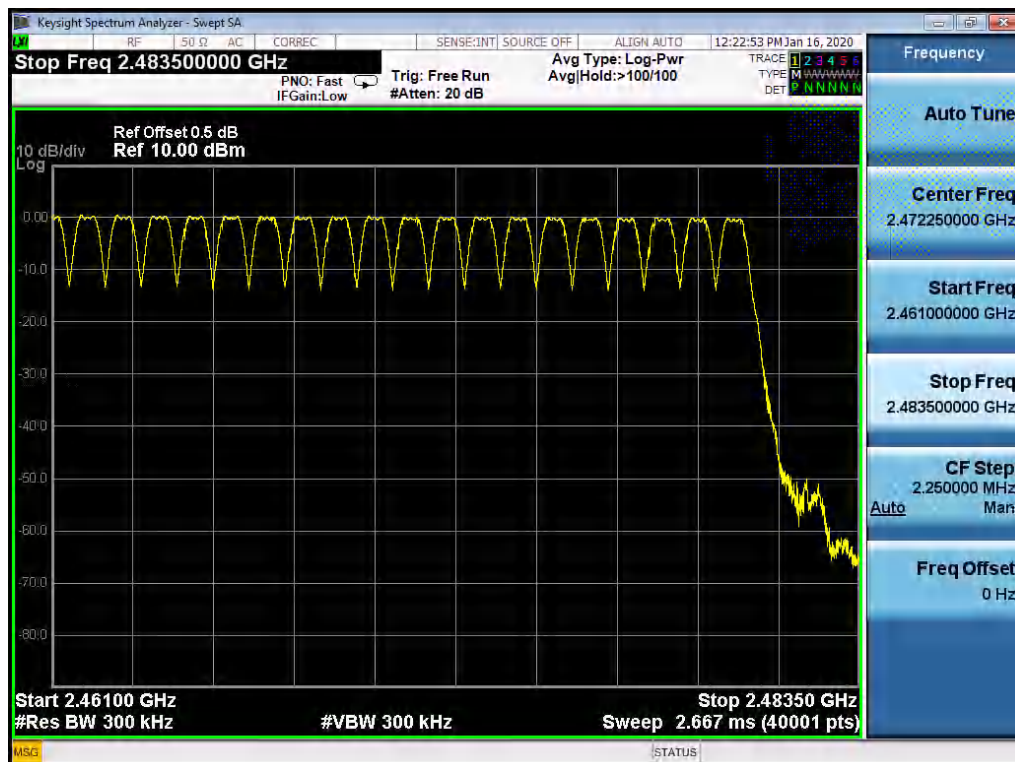
Figure 30: Number of Hopping Frequency, TM12, part 3

Figure 31: Number of Hopping Frequency, TM12, part 4


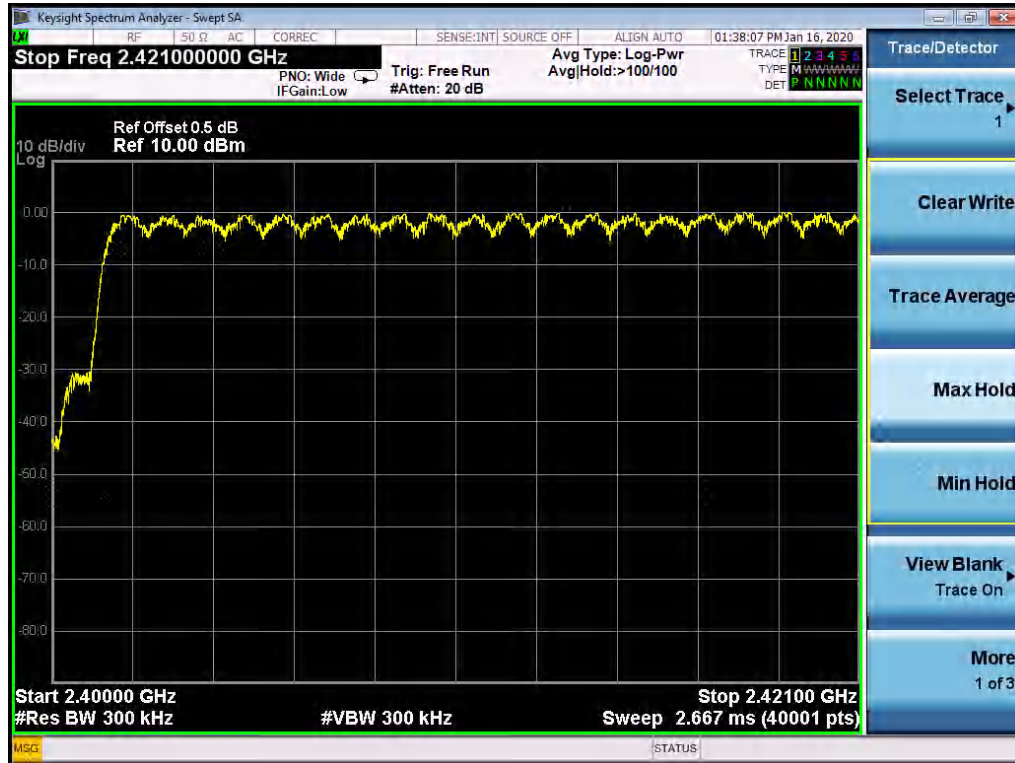
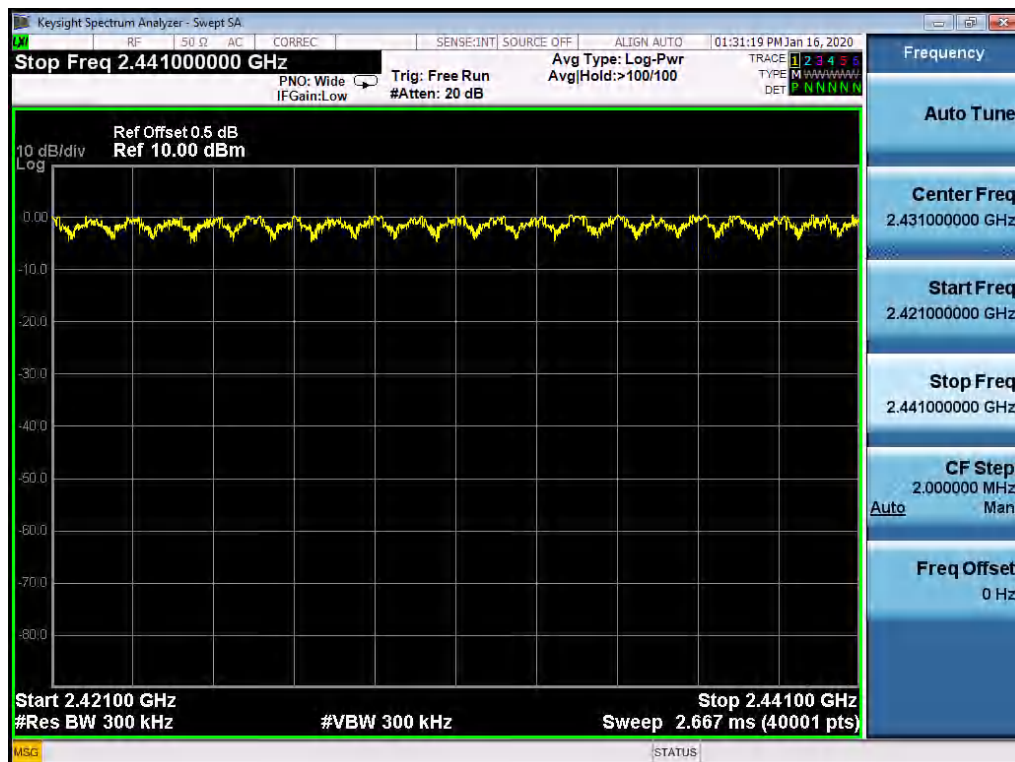
Figure 32: Number of Hopping Frequency, TM15, part 1

Figure 33: Number of Hopping Frequency, TM15, part 2


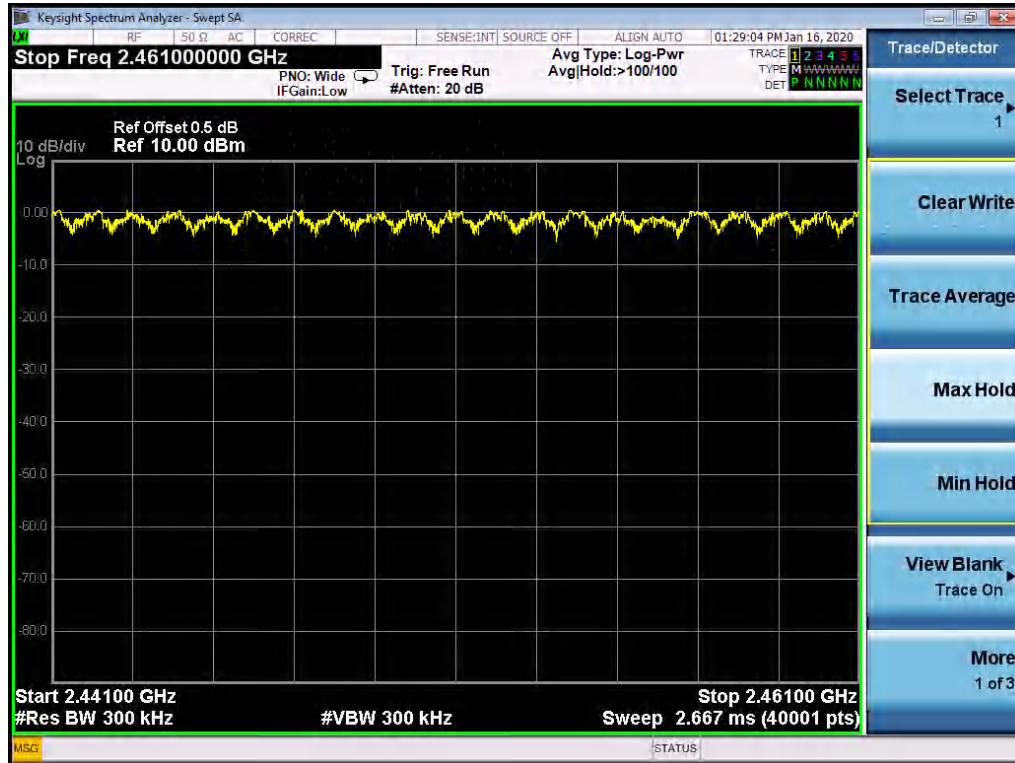
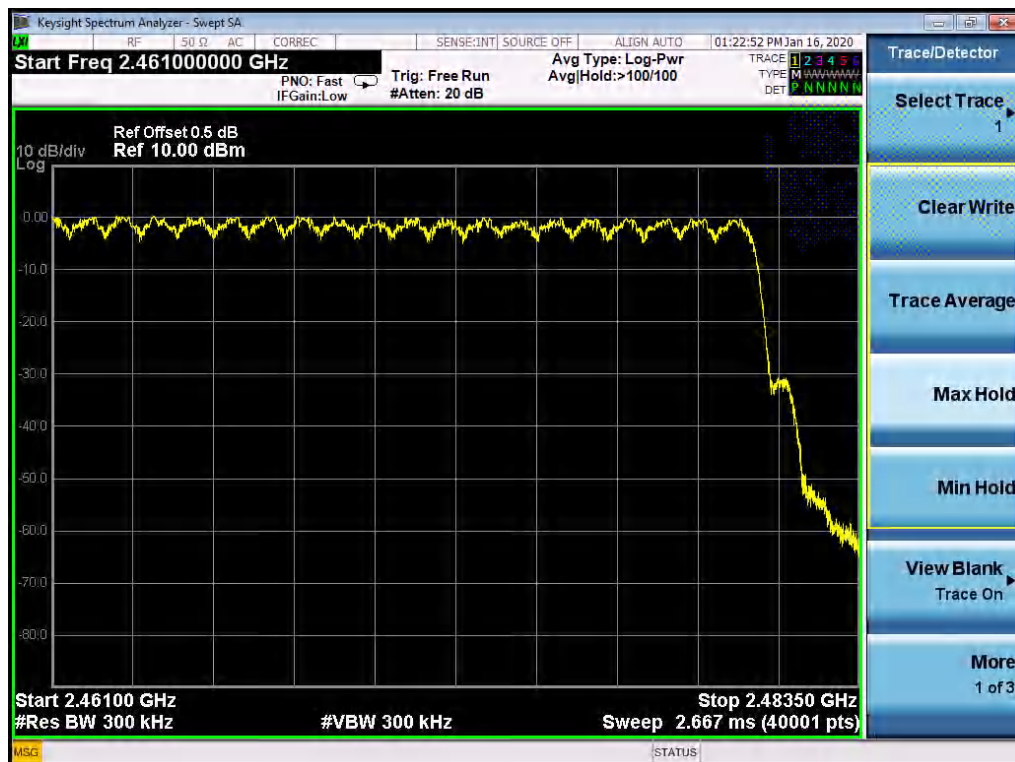
Figure 34: Number of Hopping Frequency, TM15, part 3

Figure 35: Number of Hopping Frequency, TM15, part 4


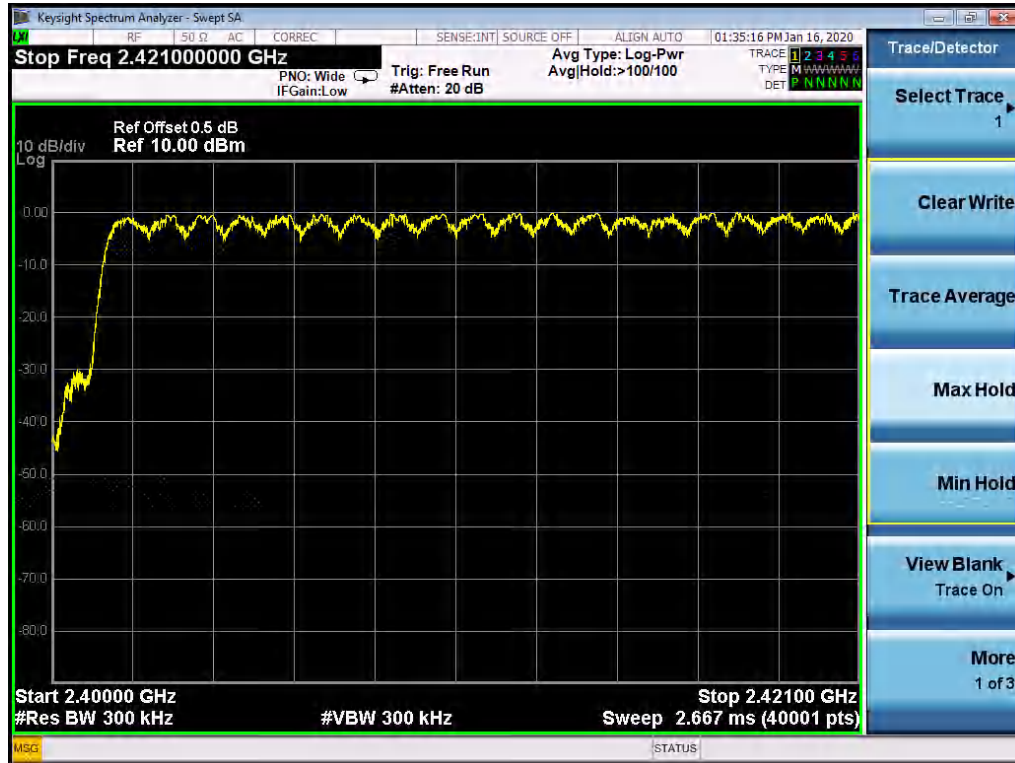
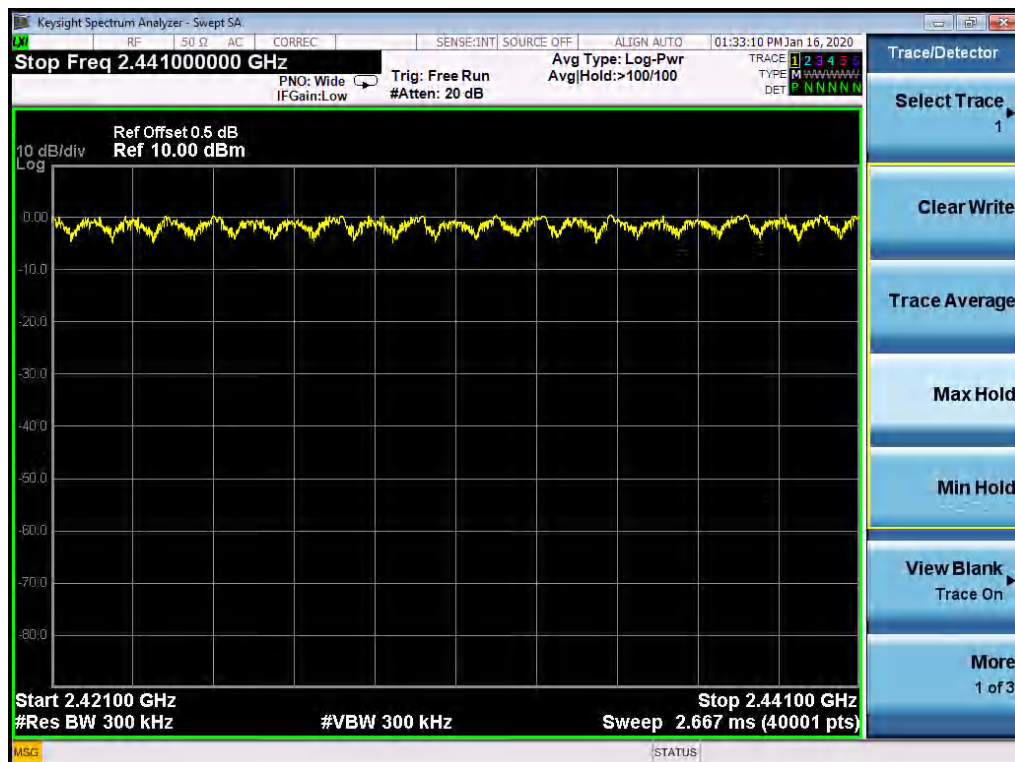
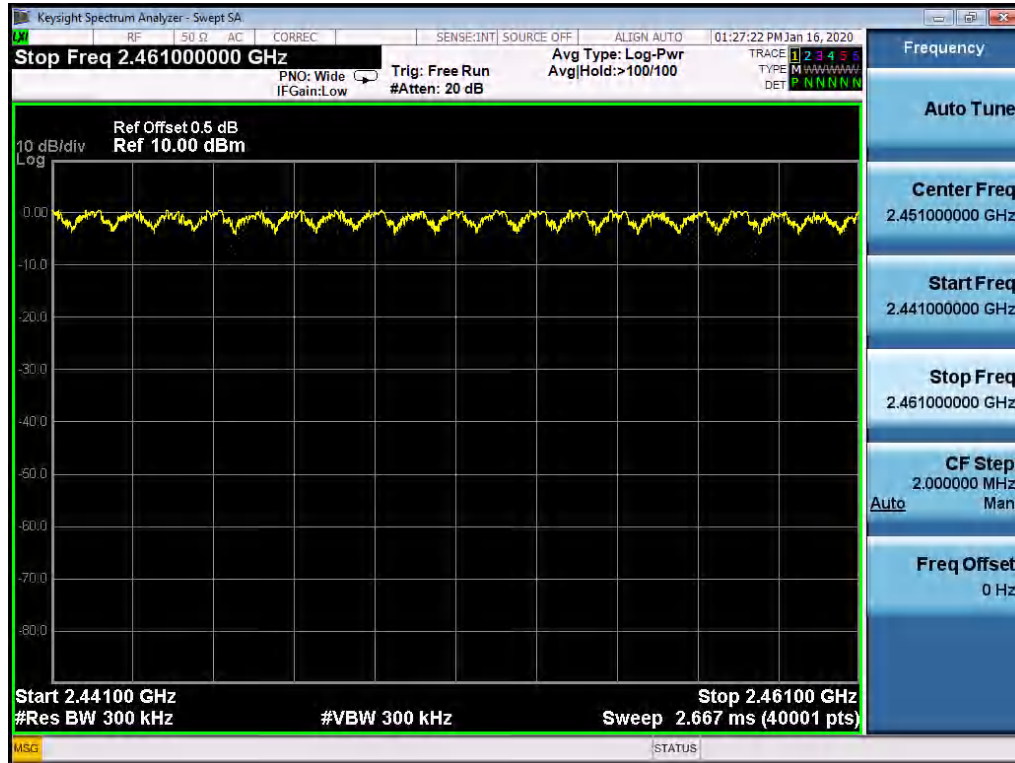
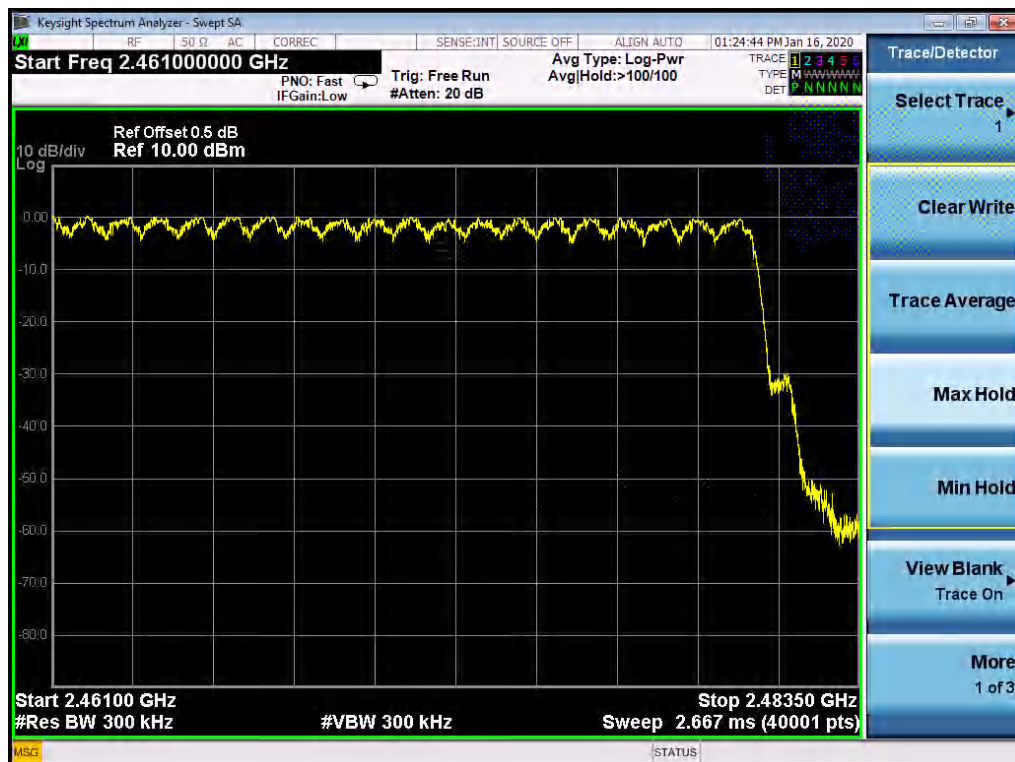
Figure 36: Number of Hopping Frequency, TM18, part 1

Figure 37: Number of Hopping Frequency, TM18, part 2


Figure 38: Number of Hopping Frequency, TM18, part 3

Figure 39: Number of Hopping Frequency, TM18, part 4


5.1.6 Time of Occupancy

RESULT:
Pass

Date of testing : 16.01.2020
 Ambient temperature : 26.2°C
 Relative humidity : 32.7%
 Atmospheric pressure : 101kPa
 Test requirement : FCC 15.247(a)(1)(iii)
 Clause 5.1(d) of RSS-247 Issue 2 February 2017
 Test procedure : KDB 558074 D01v05r02
 ANSI C63.10: 2013
 Test voltage : DC 13.5V
 Test modes applied : TM10 to TM18

Table 10: Time of Occupancy

Test Mode	Mode	CH.	Frequency [MHz]	Packet Duration [ms]	Hops over Occupancy Time [Hops]	Time of Occupancy [ms]	Limit [ms]
TM10	1-DH1	39	2441	0.3775	320	120.800	400
TM11	1-DH3	39	2441	1.6470	160	263.520	400
TM12	1-DH5	39	2441	2.8850	107	308.695	400
TM13	2-DH1	39	2441	0.3901	320	124.832	400
TM14	2-DH3	39	2441	1.6470	160	263.520	400
TM15	2-DH5	39	2441	2.8850	107	308.695	400
TM16	3-DH1	39	2441	0.3927	320	125.664	400
TM17	3-DH3	39	2441	1.6570	160	265.120	400
TM18	3-DH5	39	2441	2.8850	107	308.695	400

Note:

Time of occupancy = Packet duration * Hops over Occupancy Time.

Hops Over Occupancy Time in 31.6s for DH1 = $1600 / 2 / 79 * 31.6 = 320$.

Hops Over Occupancy Time in 31.6s for DH3 = $1600 / 4 / 79 * 31.6 = 160$.

Hops Over Occupancy Time in 31.6s for DH5 = $1600 / 6 / 79 * 31.6 = 107$.

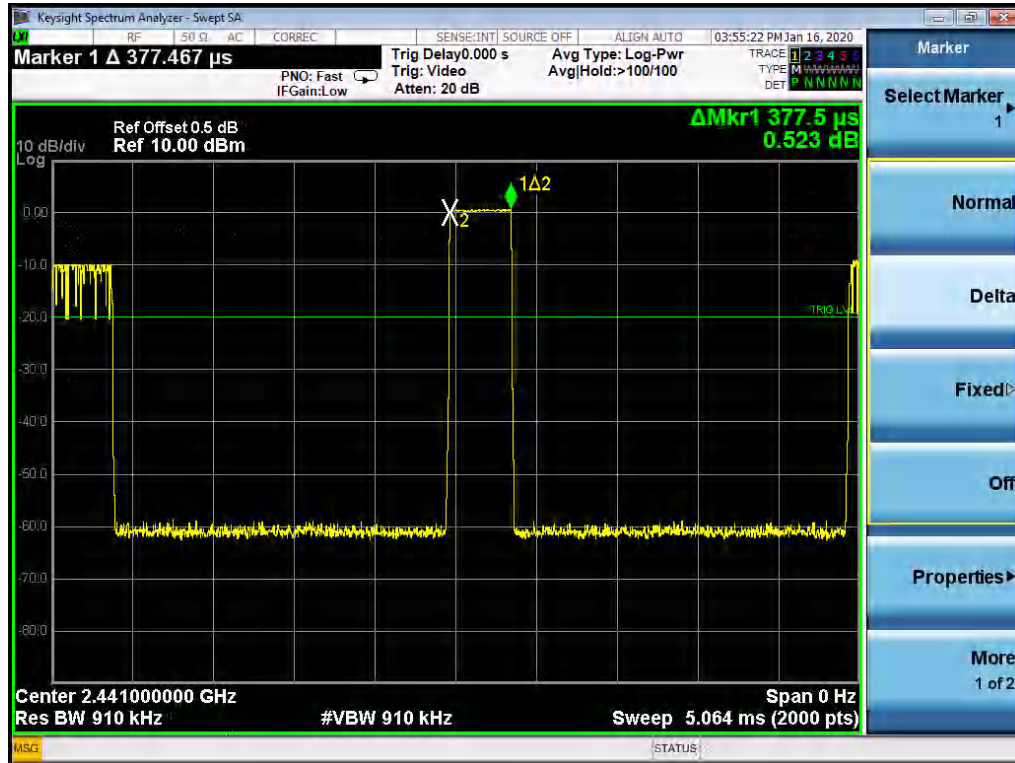
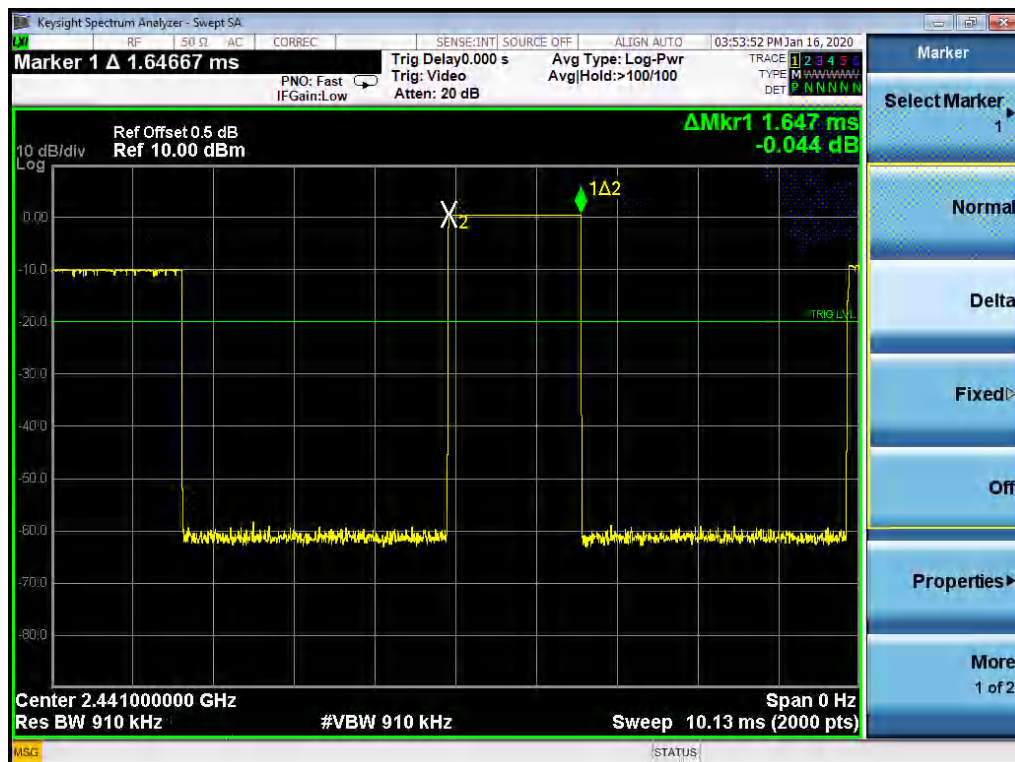
Figure 40: Time of Occupancy, TM10, observation Frequency 2441MHz

Figure 41: Time of Occupancy, TM11, observation Frequency 2441MHz


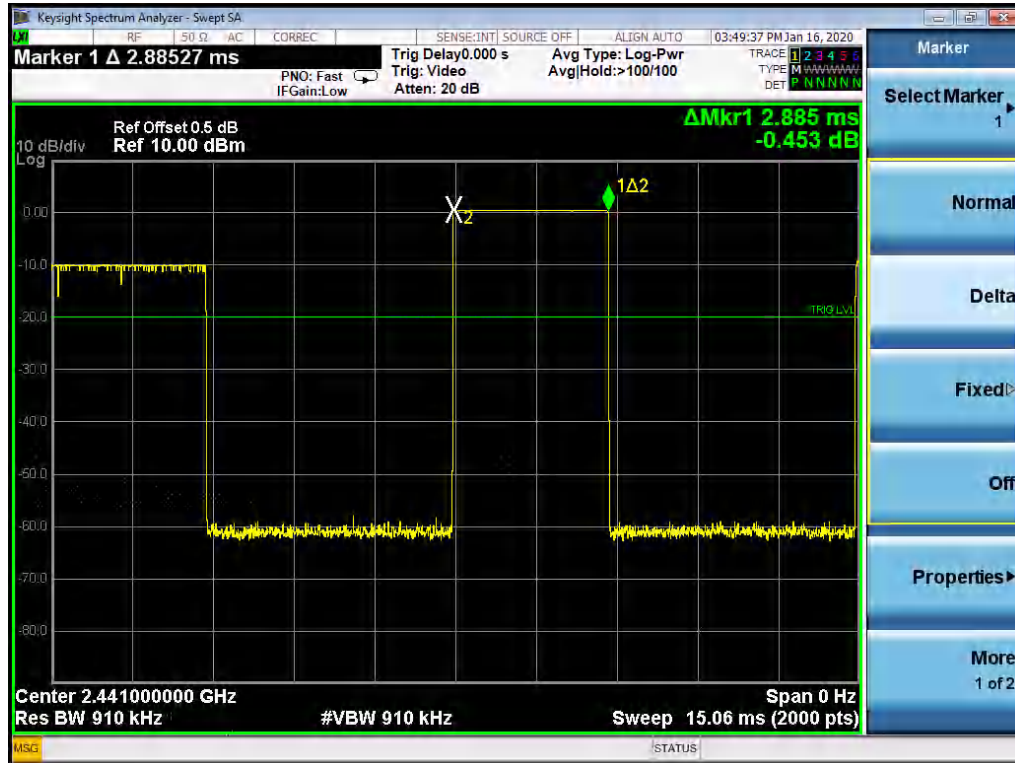
Figure 42: Time of Occupancy, TM12, observation Frequency 2441MHz

Figure 43: Time of Occupancy, TM13, observation Frequency 2441MHz

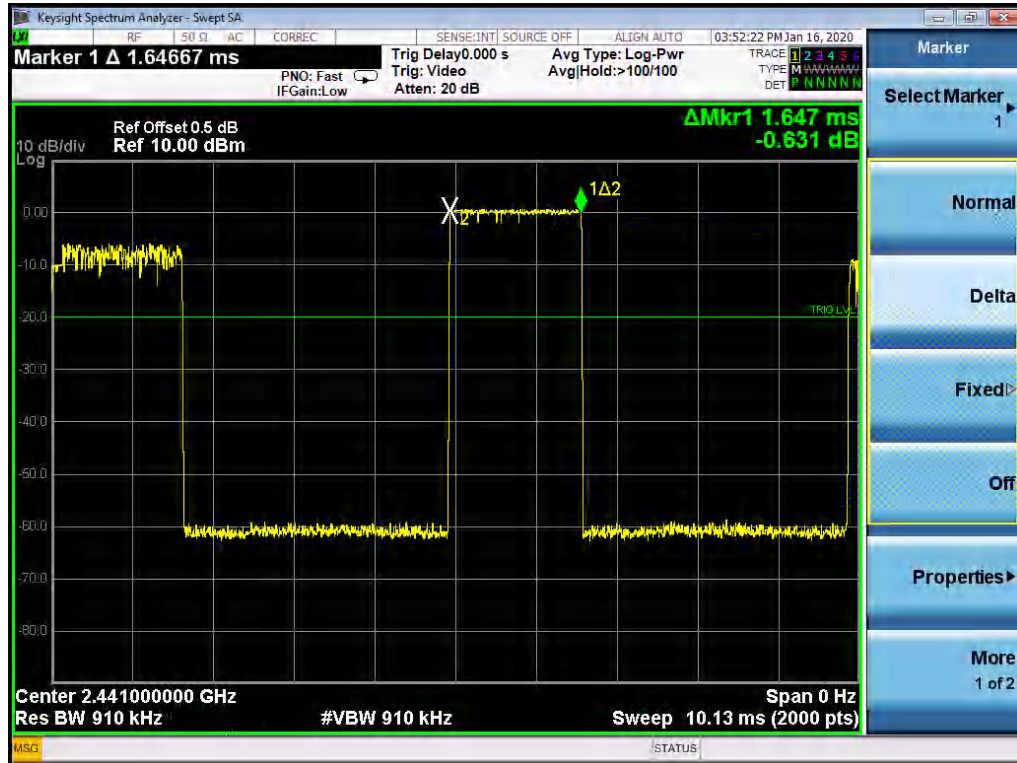

Figure 44: Time of Occupancy, TM14, observation Frequency 2441MHz

Figure 45: Time of Occupancy, TM15, observation Frequency 2441MHz

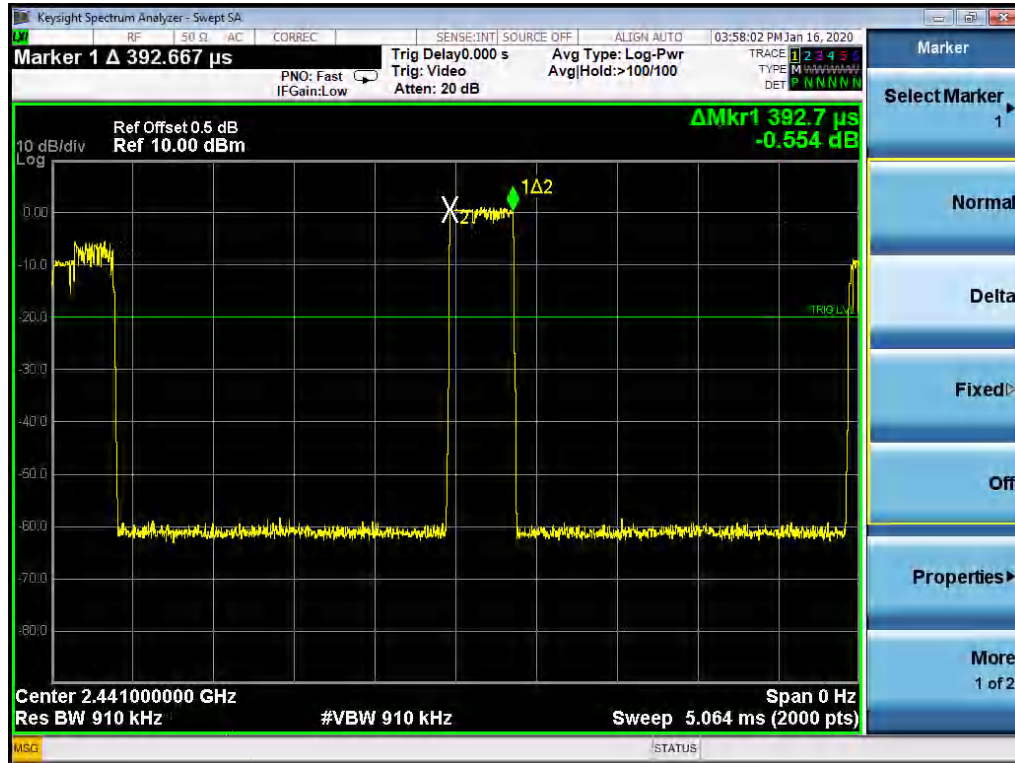
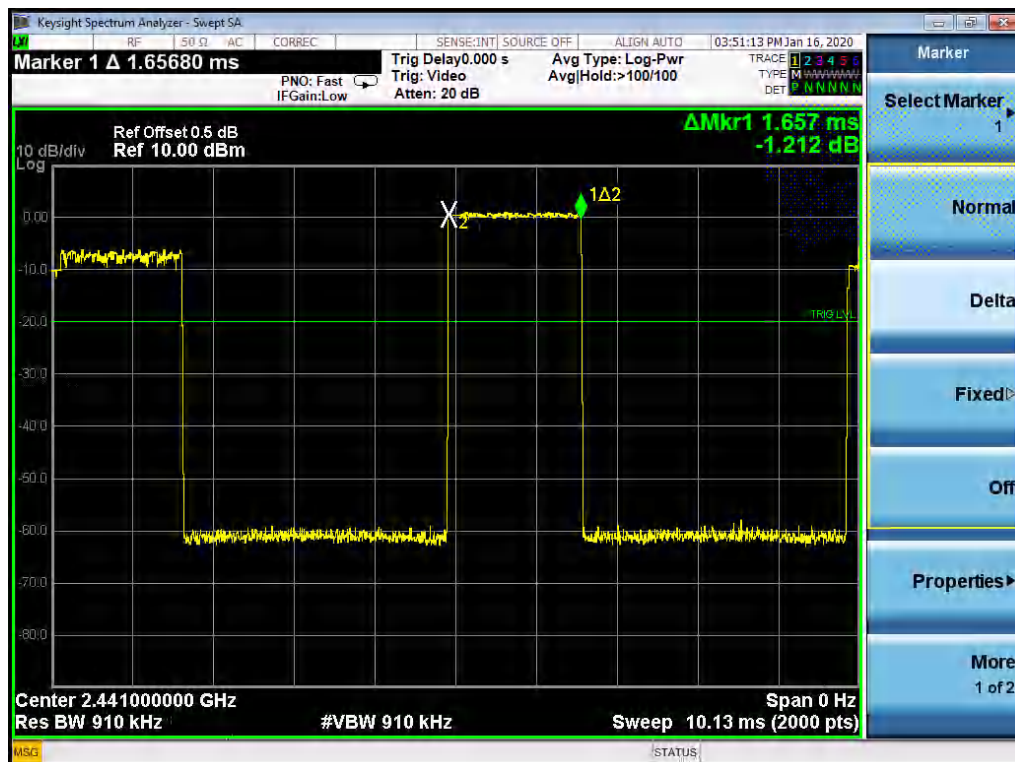
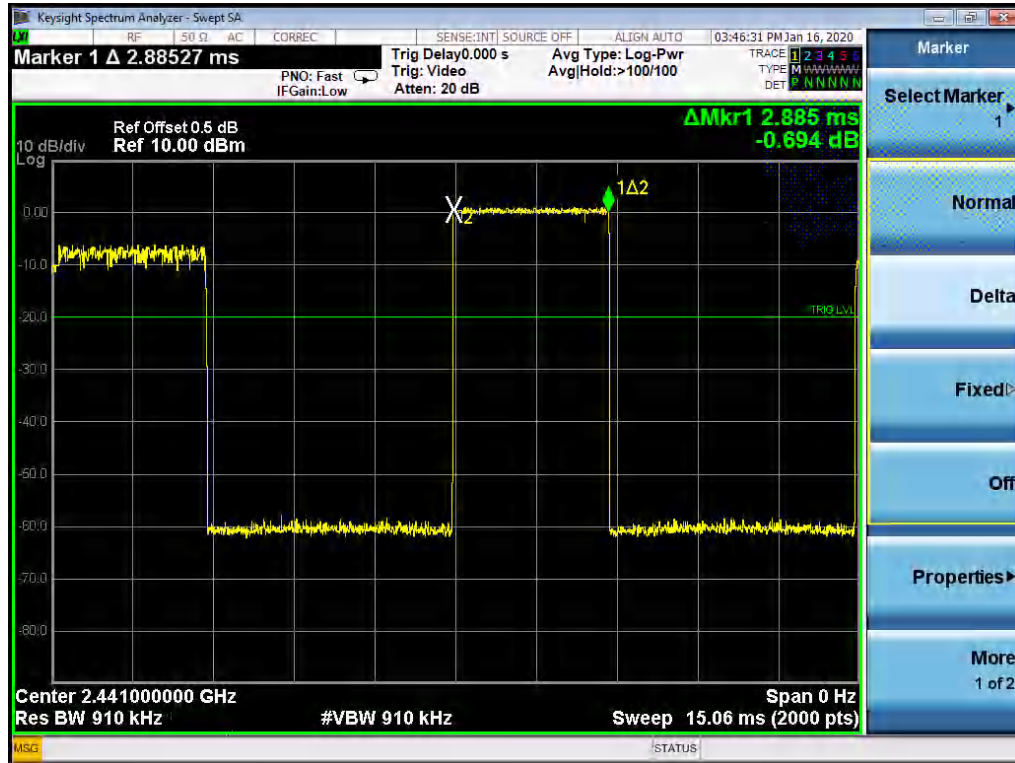

Figure 46: Time of Occupancy, TM16, observation Frequency 2441MHz

Figure 47: Time of Occupancy, TM17, observation Frequency 2441MHz


Figure 48: Time of Occupancy, TM18, observation Frequency 2441MHz


5.1.7 Conducted Band-Edge

RESULT:**Pass**

Date of testing : 16.01.2020
Ambient temperature : 26.1°C
Relative humidity : 32.7%
Atmospheric pressure : 101kPa
Test requirement : FCC 15.247(d)
Clause 5.5 of RSS-247 Issue 2 February 2017
Test procedure : KDB 558074 D01v05r02
ANSI C63.10: 2013
Test voltage : DC 13.5V
Test modes applied : TM1, TM3, TM4, TM6, TM7, TM9, TM12, TM15, TM18

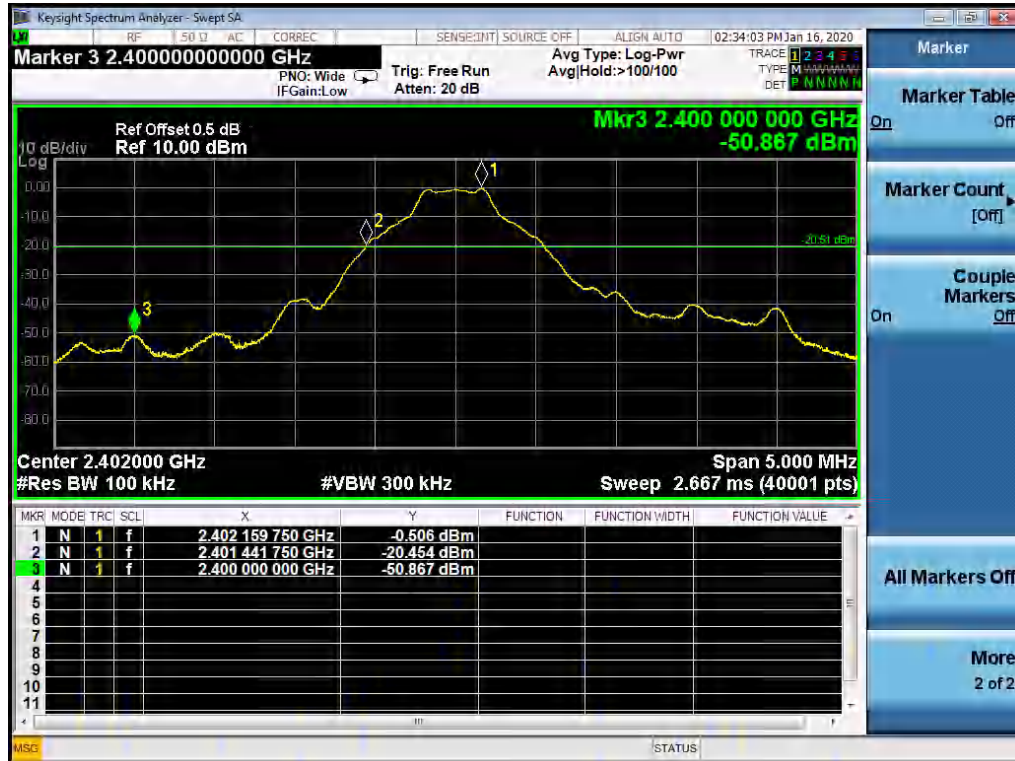
Figure 49: Conducted Band-Edge, TM1

Figure 50: Conducted Band-Edge, TM3


Figure 51: Conducted Band-Edge, TM4

Figure 52: Conducted Band-Edge, TM6


Figure 53: Conducted Band-Edge, TM7

Figure 54: Conducted Band-Edge, TM9

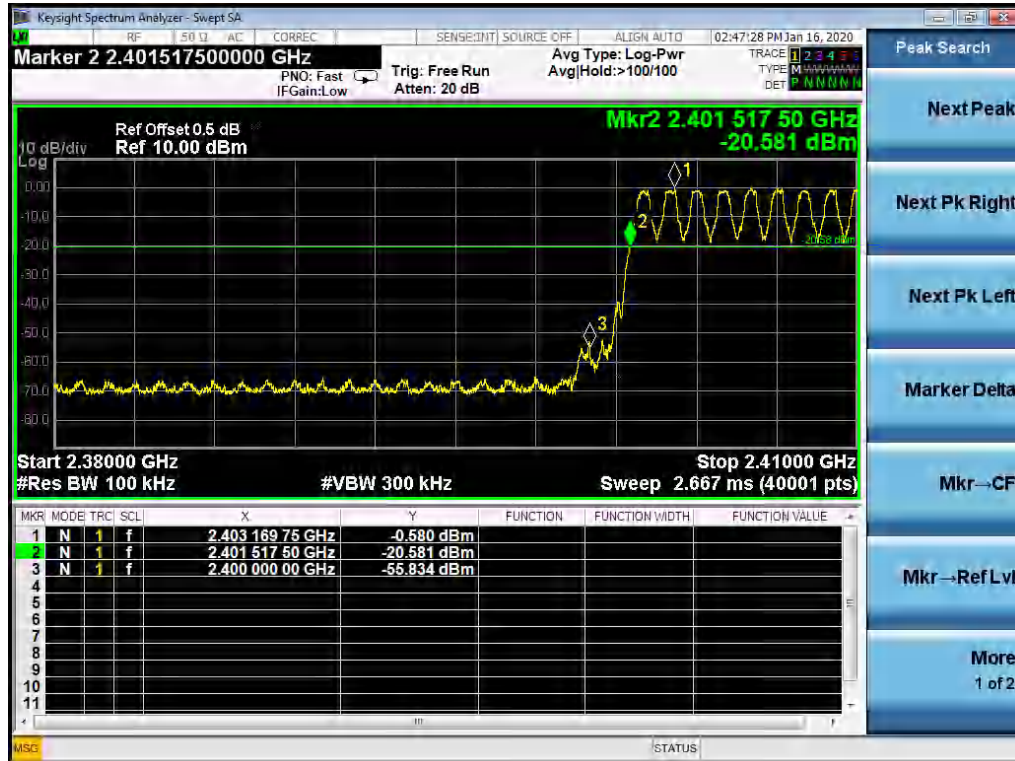
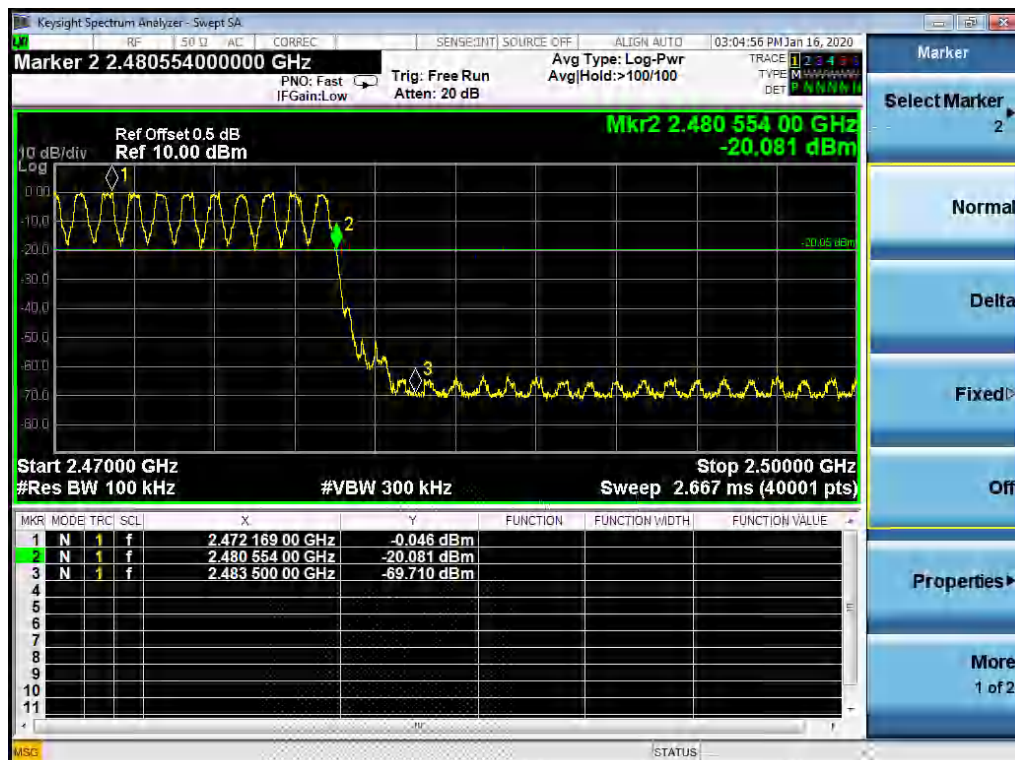

Figure 55: Conducted Band-Edge, TM12 lower band

Figure 56: Conducted Band-Edge, TM12, higher band


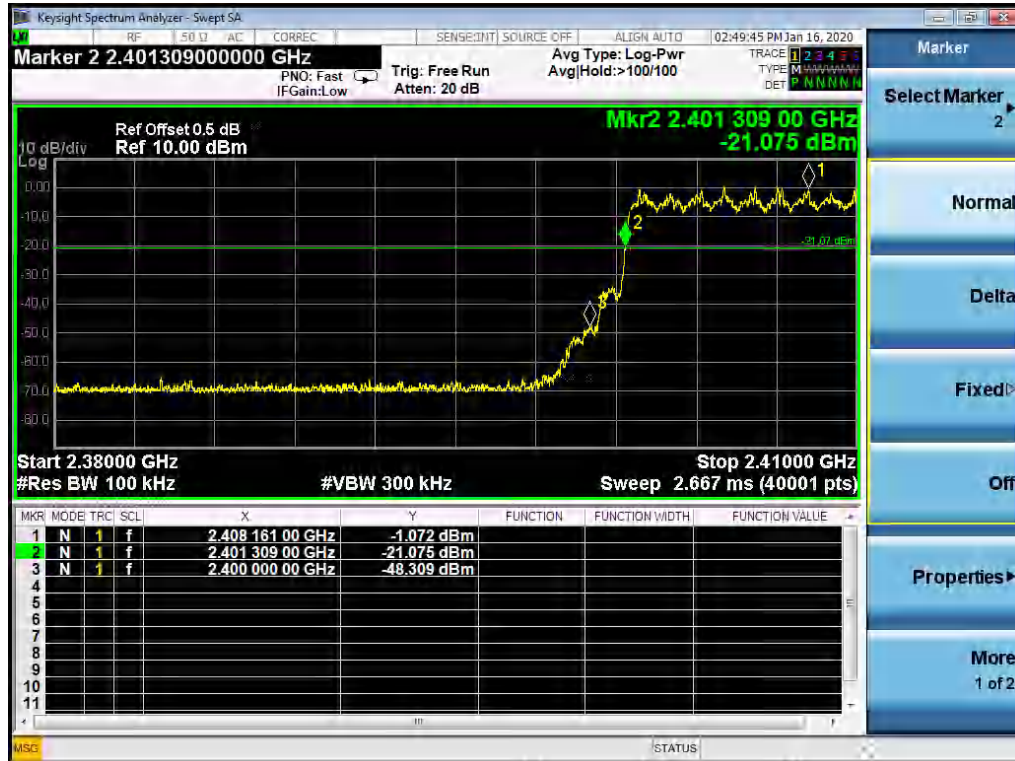
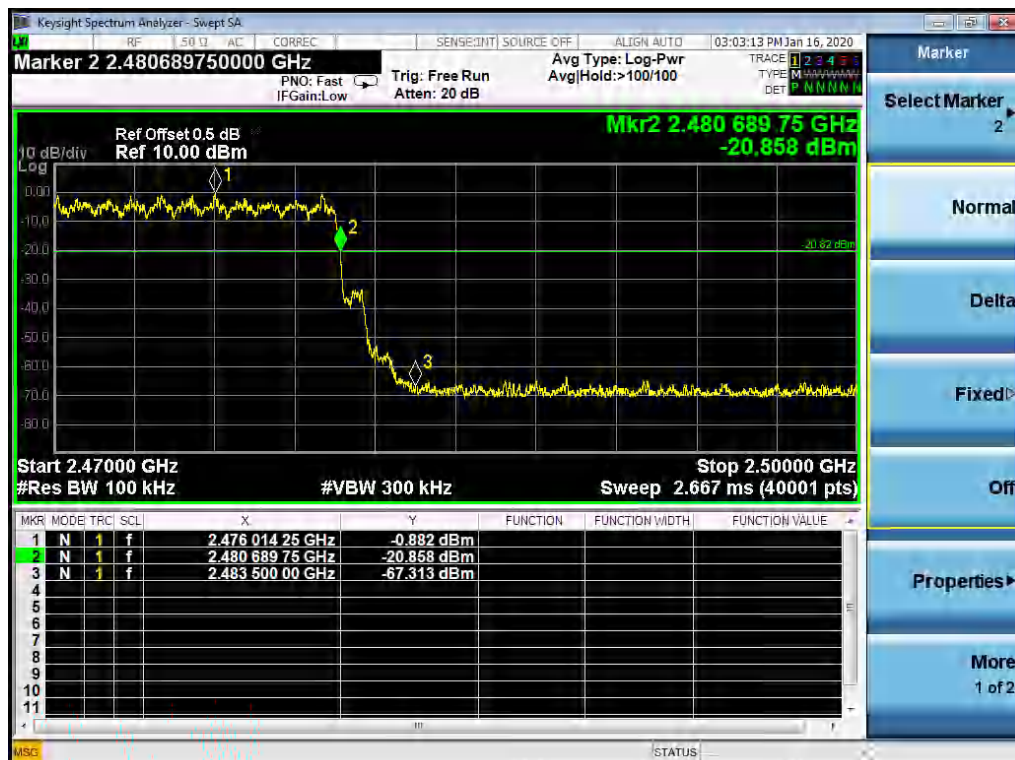
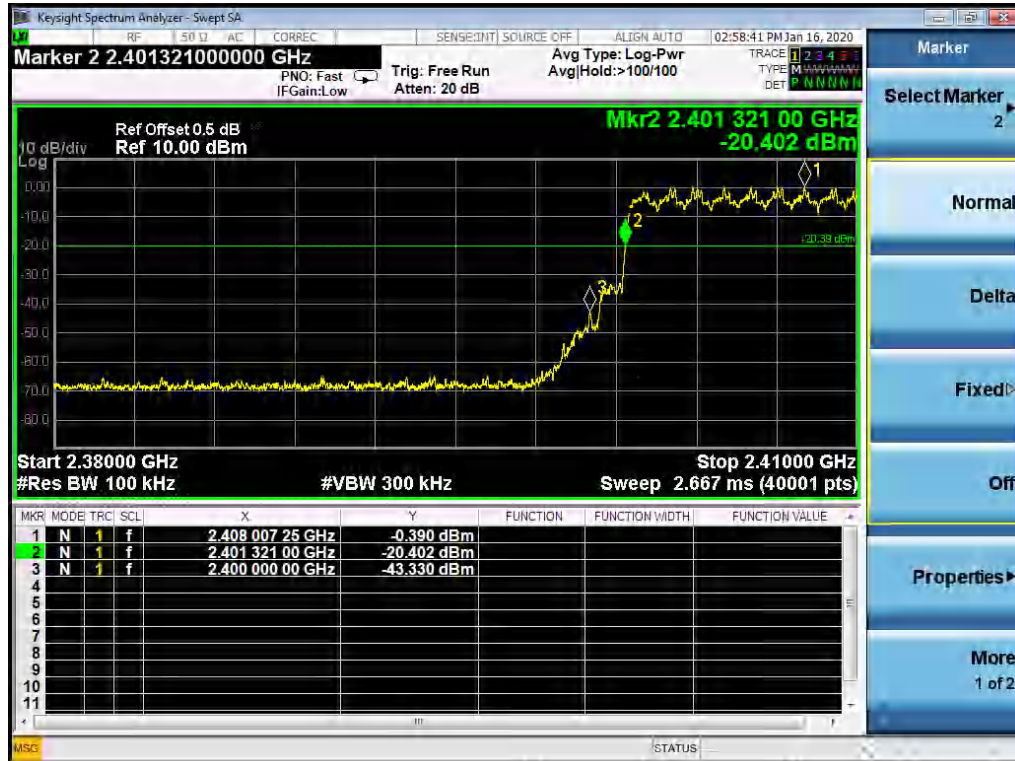
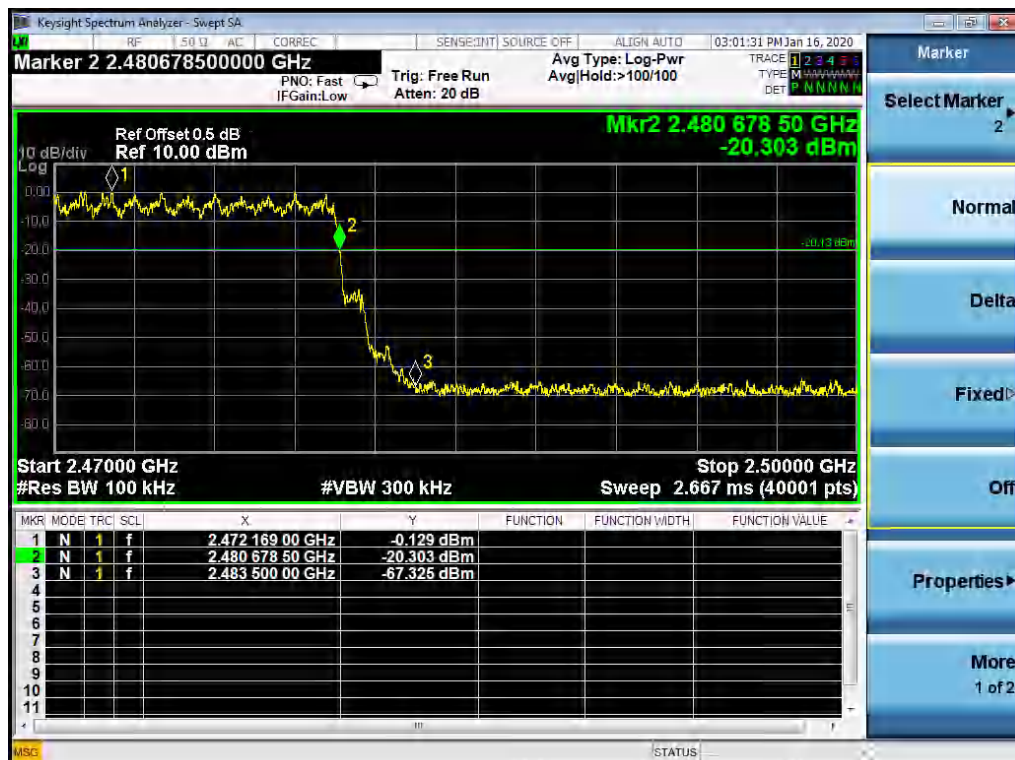
Figure 57: Conducted Band-Edge, TM15, lower band

Figure 58: Conducted Band-Edge, TM15, higher band


Figure 59: Conducted Band-Edge, TM18, lower band

Figure 60: Conducted Band-Edge, TM18, higher band


5.1.8 Conducted Spurious Emissions

RESULT:**Pass**

Date of testing : 16.01.2020
Ambient temperature : 25.8°C
Relative humidity : 33.8%
Atmospheric pressure : 101kPa
Test requirement : FCC 15.247(d)
Clause 5.5 of RSS-247 Issue 2 February 2017
Test procedure : KDB 558074 D01v05r02
ANSI C63.10: 2013
Test voltage : DC 13.5V
Test modes applied : TM1 to TM9

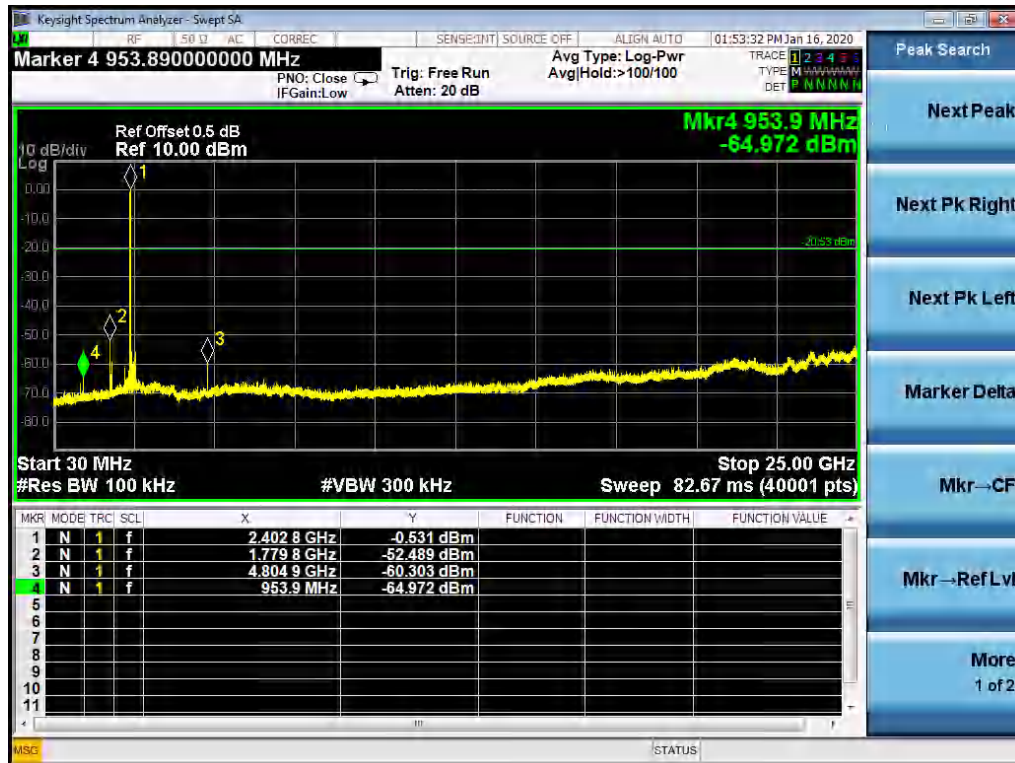
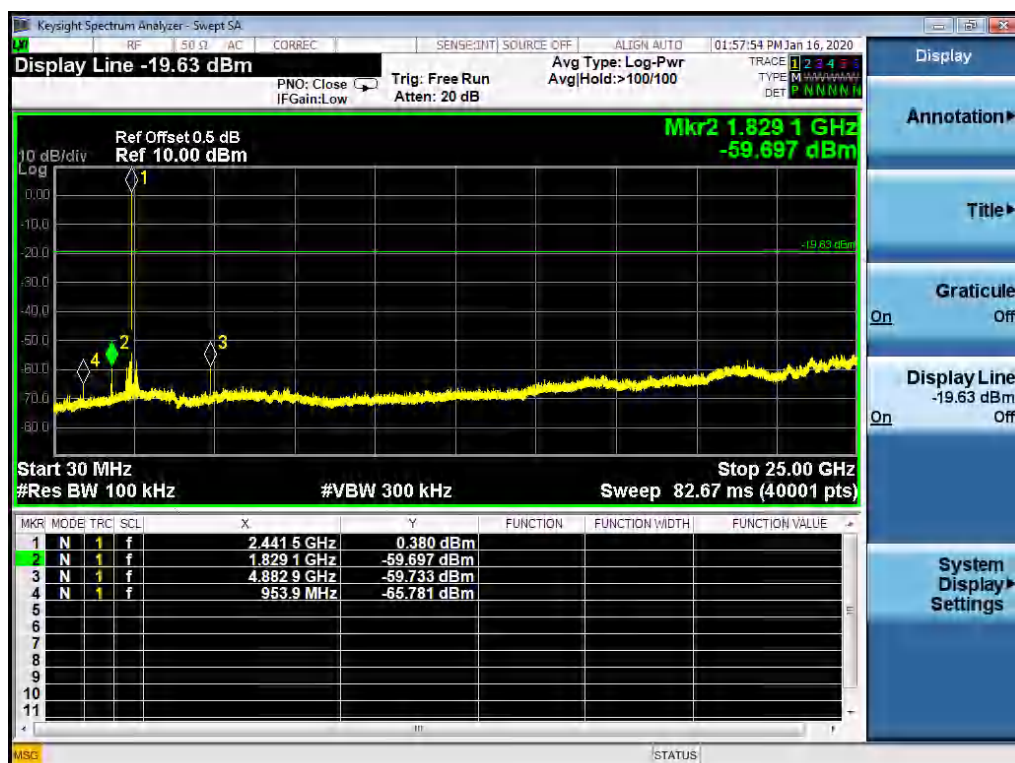
Figure 61: Conducted Spurious Emission, TM1

Figure 62: Conducted Spurious Emission, TM2


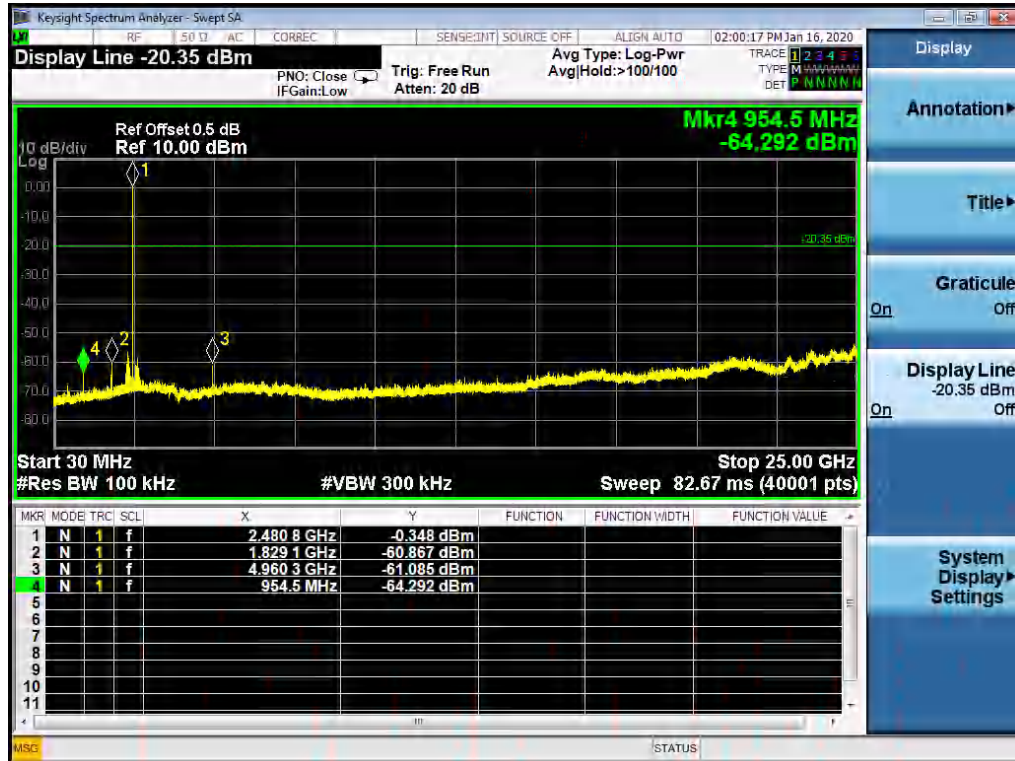
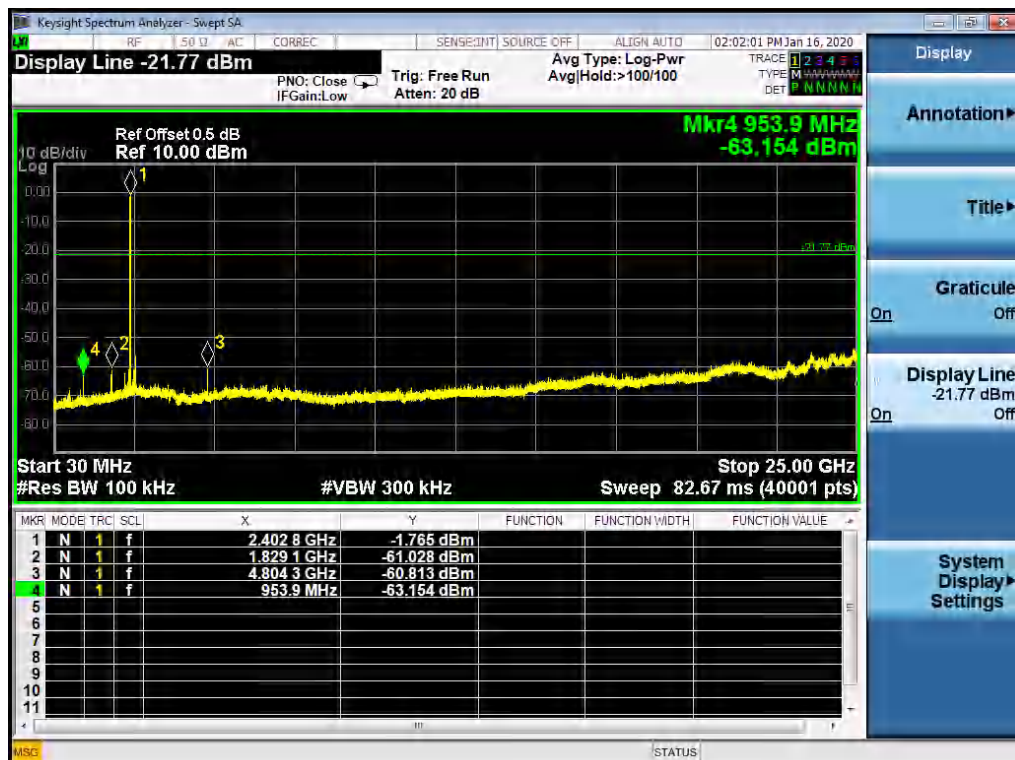
Figure 63: Conducted Spurious Emission, TM3

Figure 64: Conducted Spurious Emission, TM4


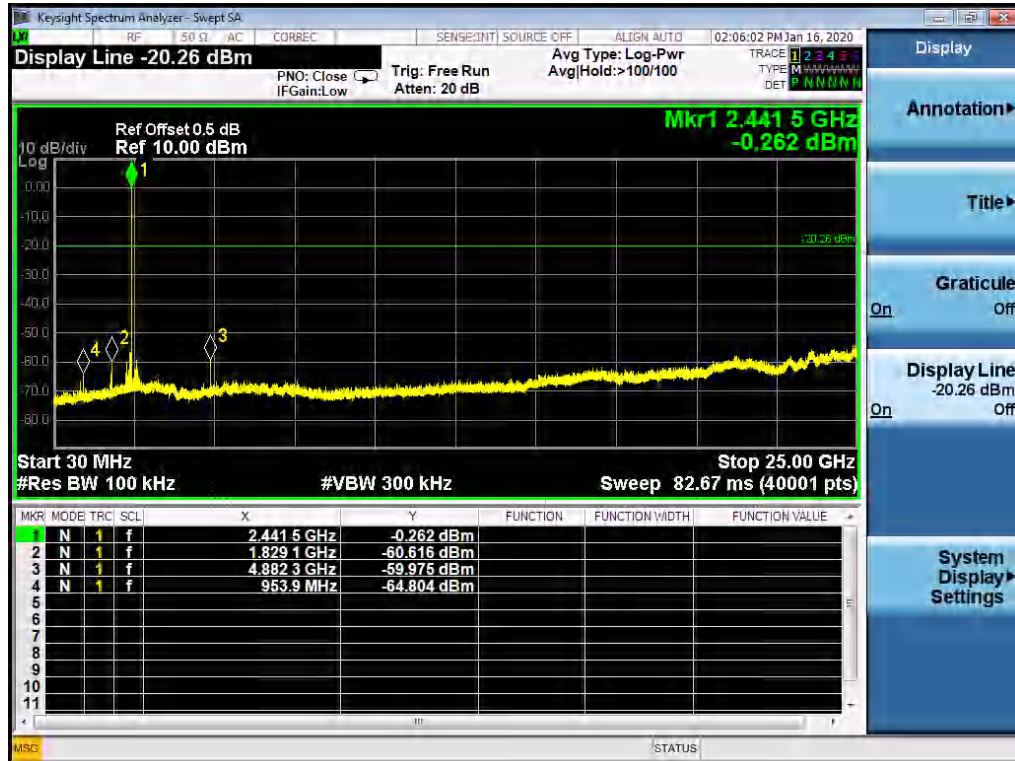
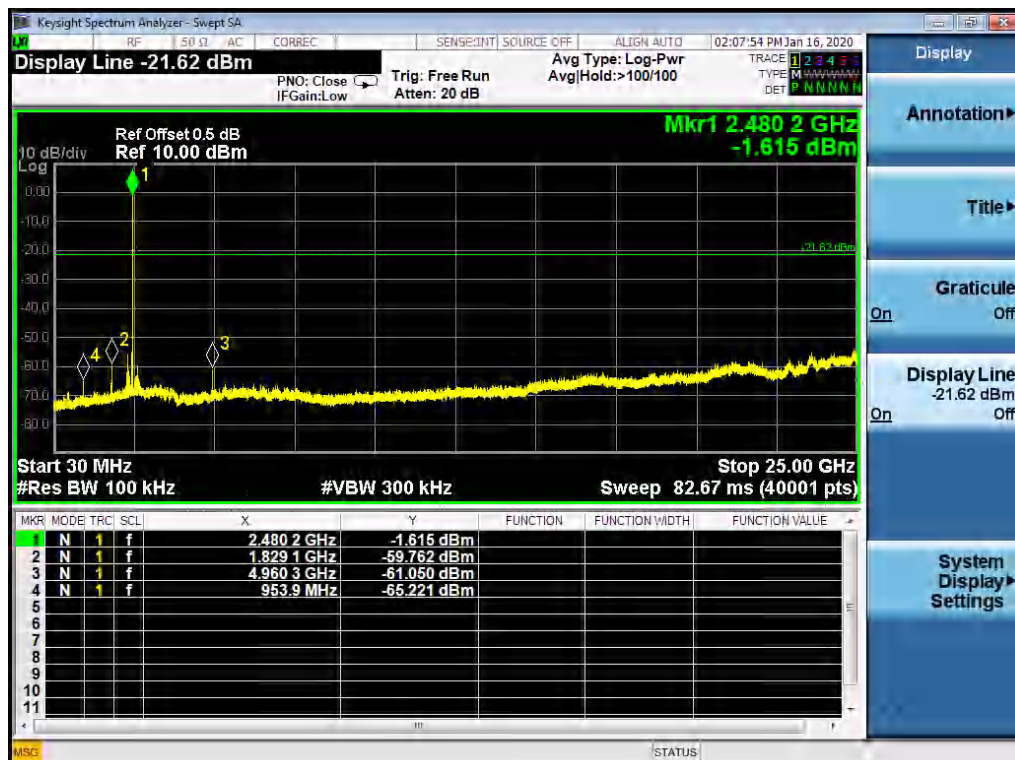
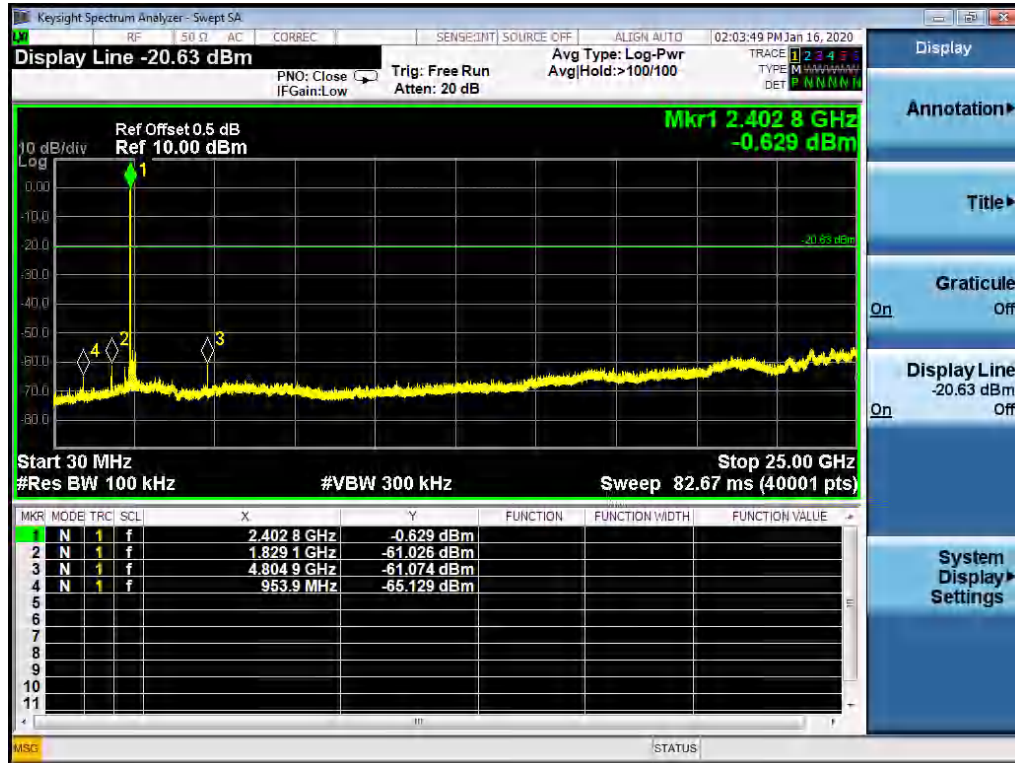
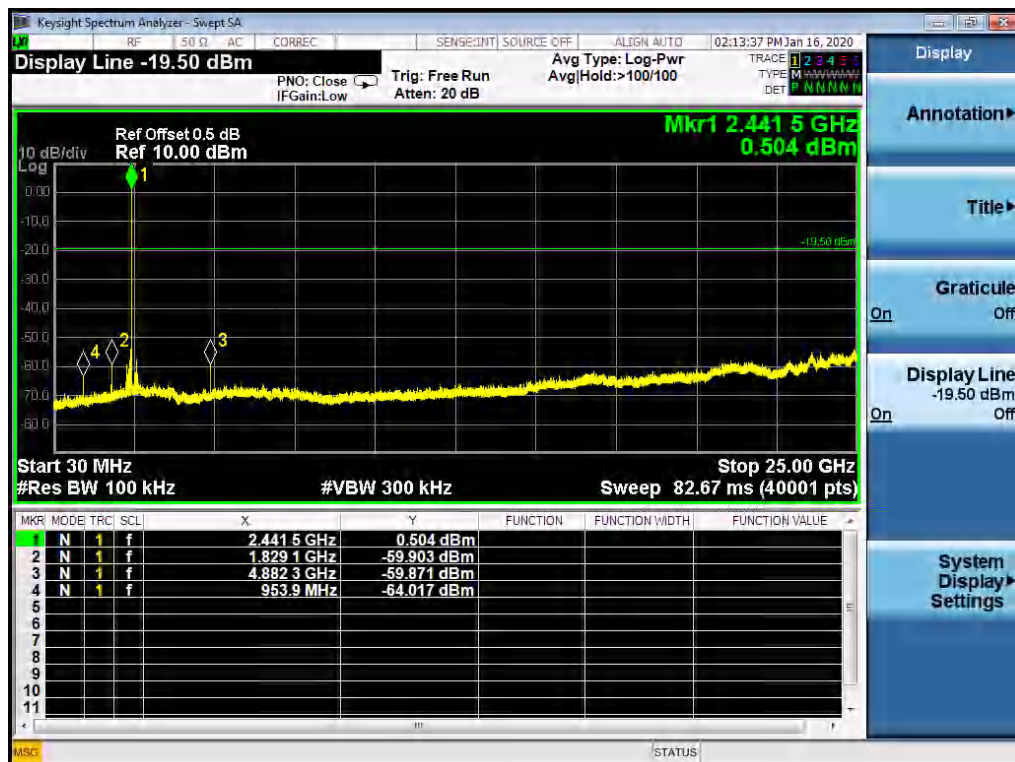
Figure 65: Conducted Spurious Emission, TM5

Figure 66: Conducted Spurious Emission, TM6


Figure 67: Conducted Spurious Emission, TM7

Figure 68: Conducted Spurious Emission, TM8


5.2 Emission in the Frequency Range up to 30MHz

5.2.1 Conducted Emission

RESULT:**N/A**

Test requirement : FCC 15.207(a)
Clause 8.8 of RSS-Gen Issue 5, March 2019

Test procedure : KDB 558074 D01v05r02
ANSI C63.10: 2013

Note:

This test was not performed since the EUT is a DC powered device which is powered by the storage battery in the vehicle.

5.3 Emission in the Frequency Range above 30MHz

5.3.1 Radiated Band-Edge

RESULT:**Pass**

Date of testing : 13.02.2020 - 17.02.2020
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 13.5V
Test modes applied : TM1, TM3, TM4, TM6, TM7, TM9, TM12, TM15, TM18

Note:

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

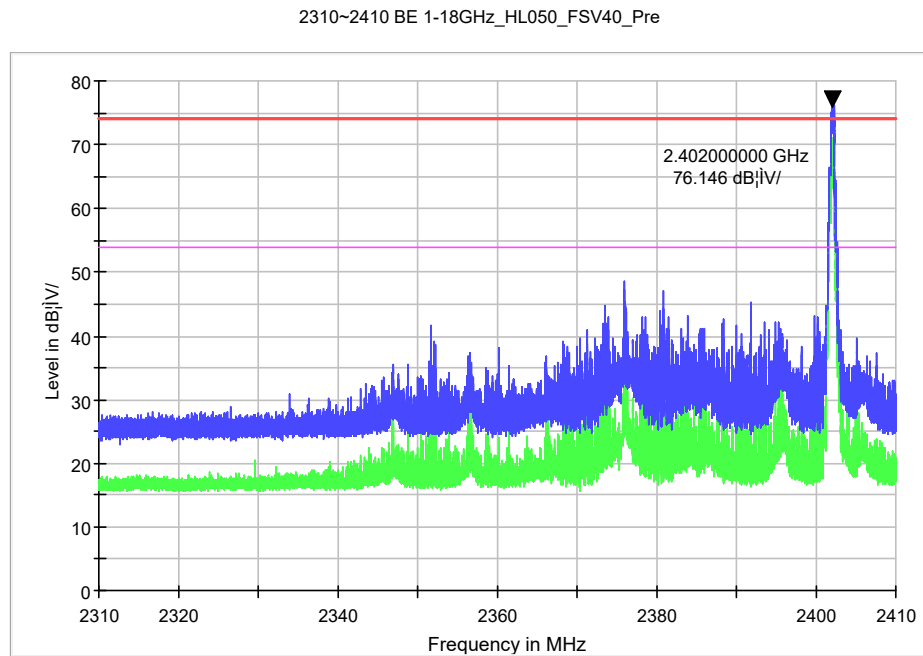
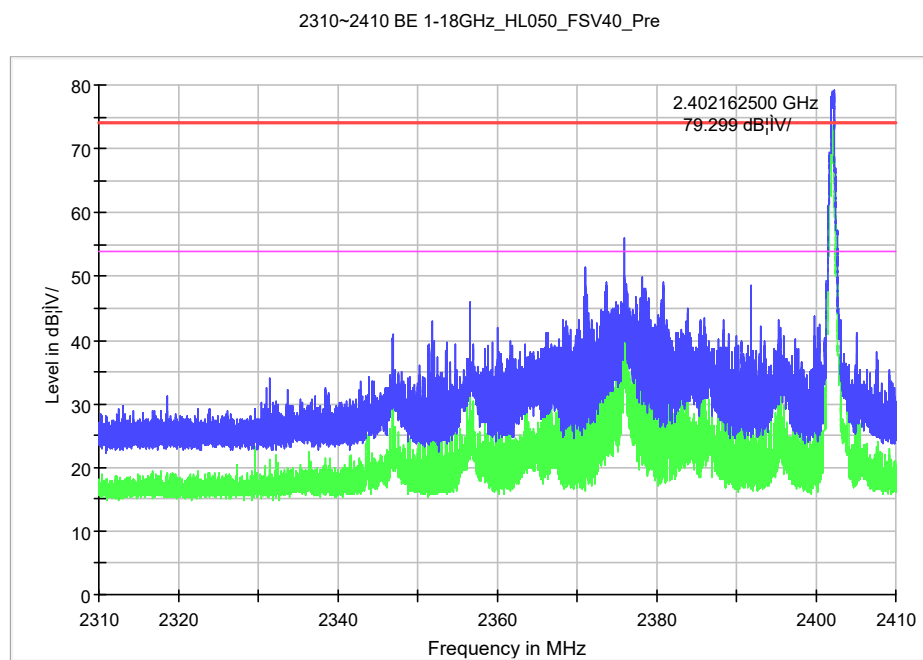
Figure 70: Radiated Band-Edge, TM1, H

Figure 71: Radiated Band-Edge, TM1, V


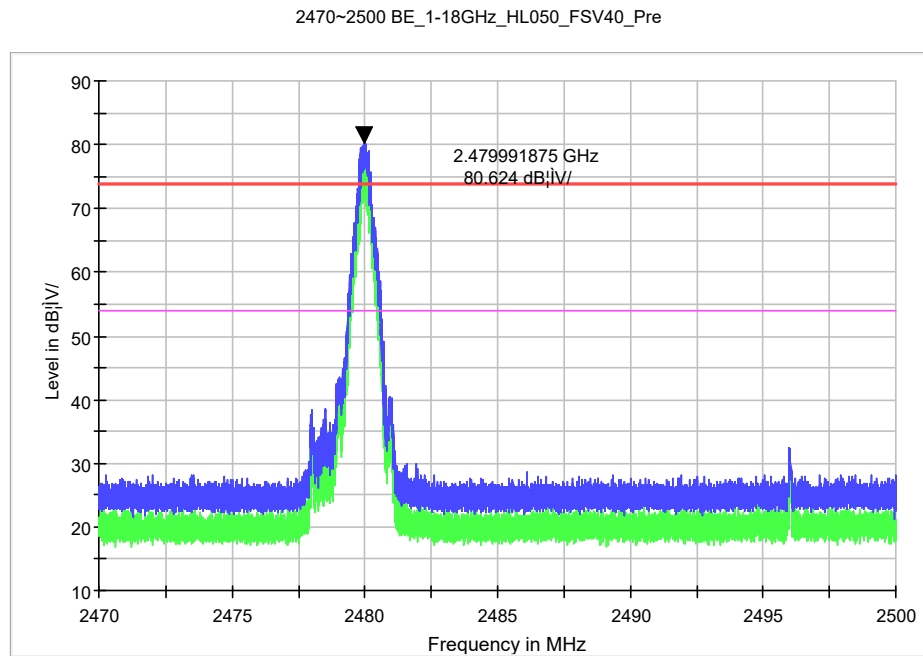
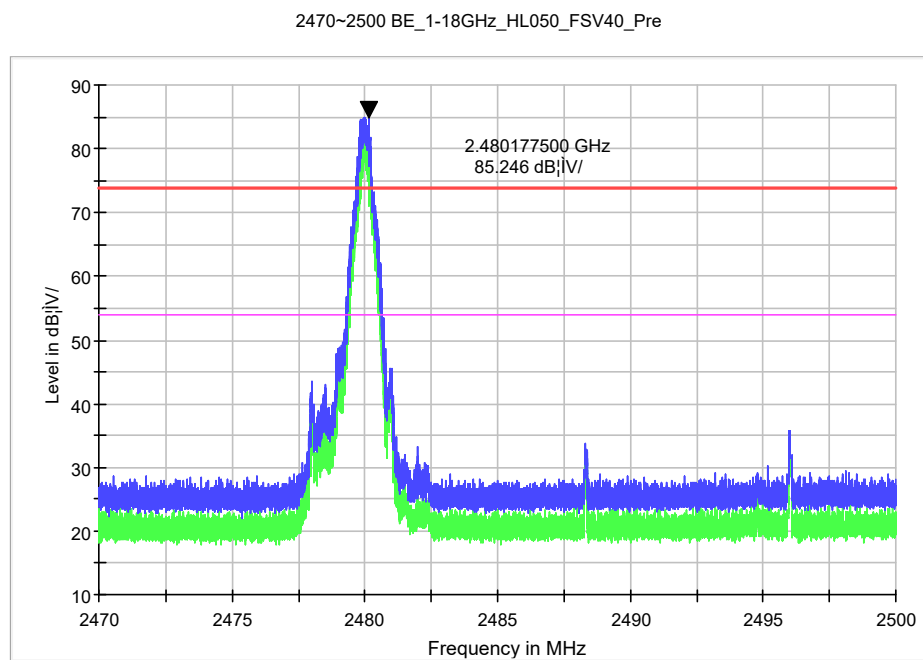
Figure 72: Radiated Band-Edge, TM3, H

Figure 73: Radiated Band-Edge, TM3, V


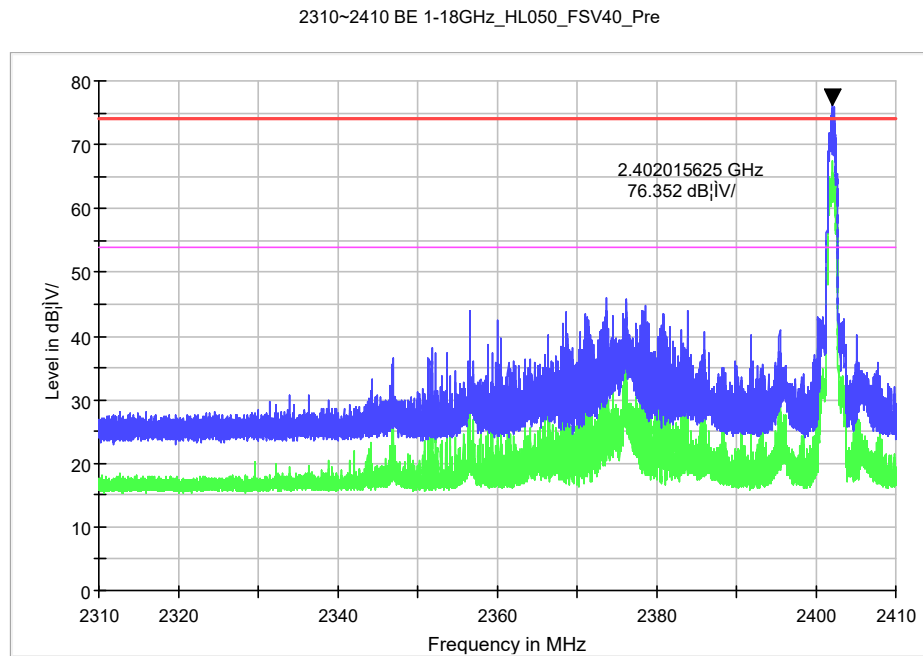
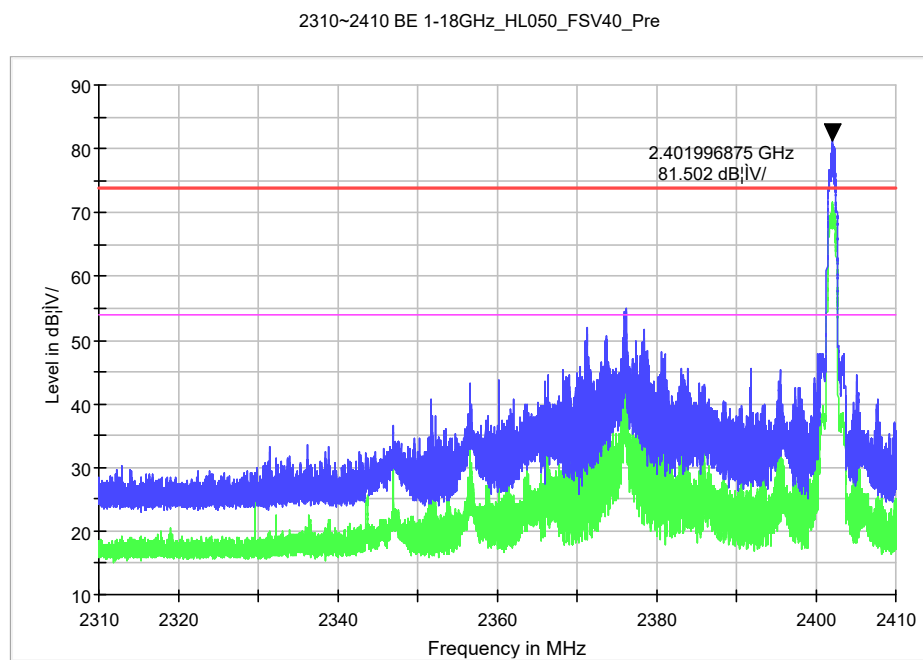
Figure 74: Radiated Band-Edge, TM4, H

Figure 75: Radiated Band-Edge, TM4, V


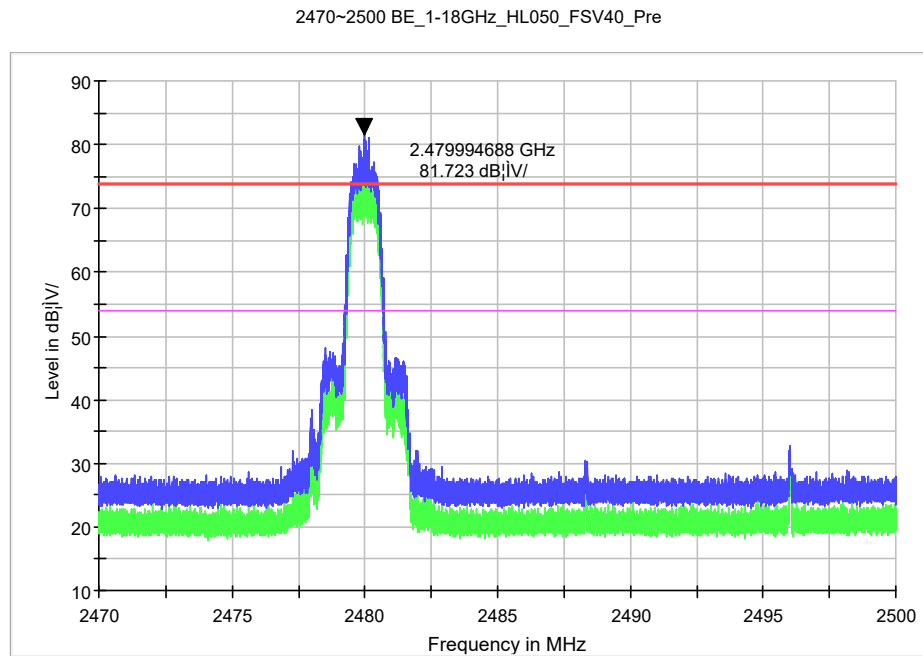
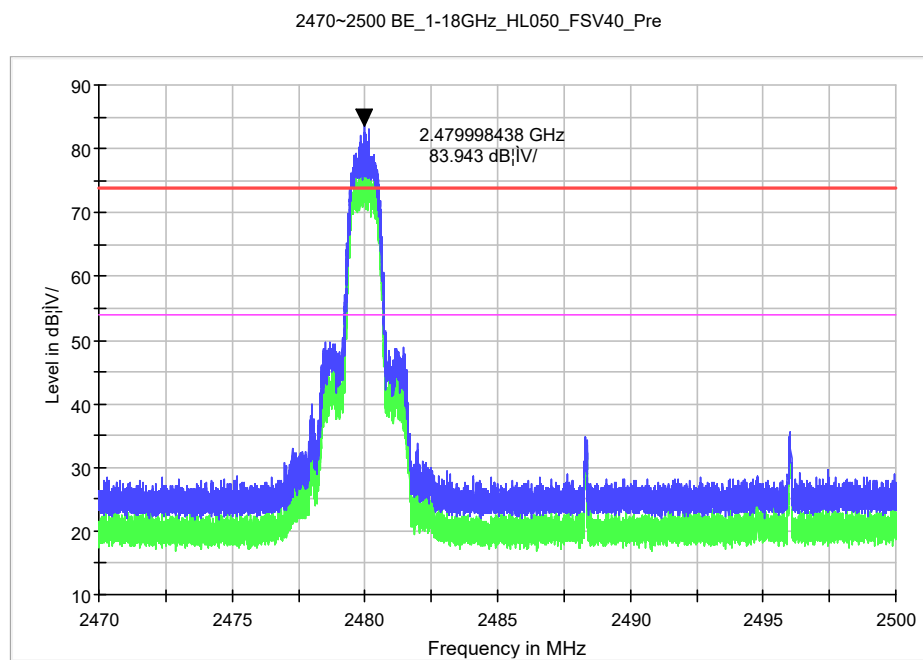
Figure 76: Radiated Band-Edge, TM6, H

Figure 77: Radiated Band-Edge, TM6, V


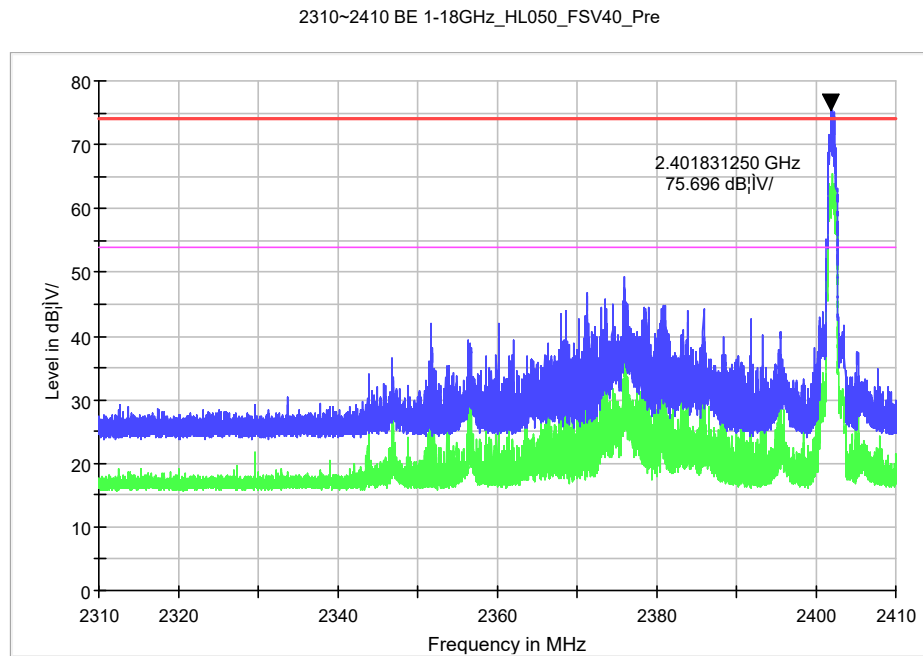
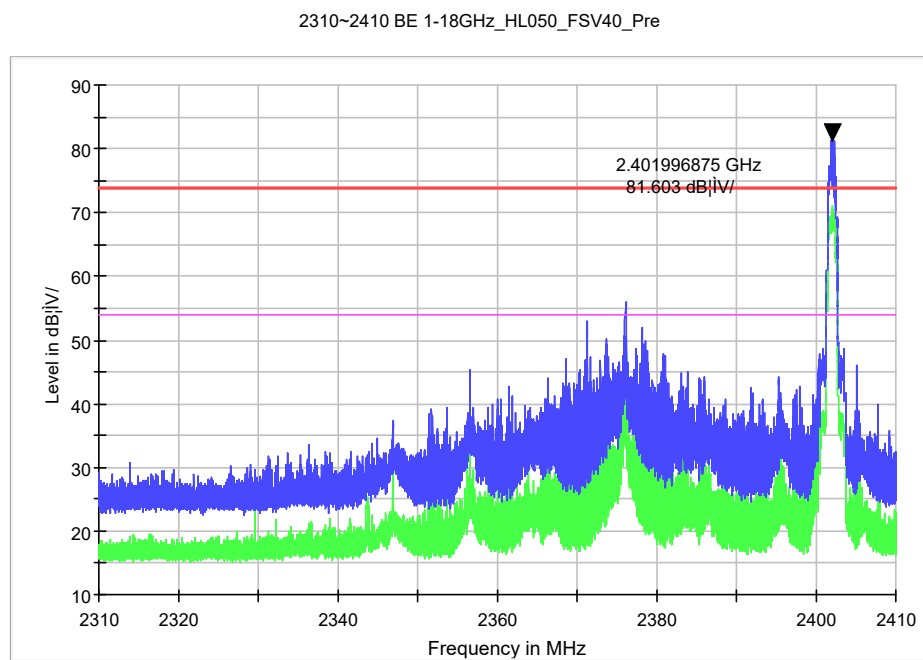
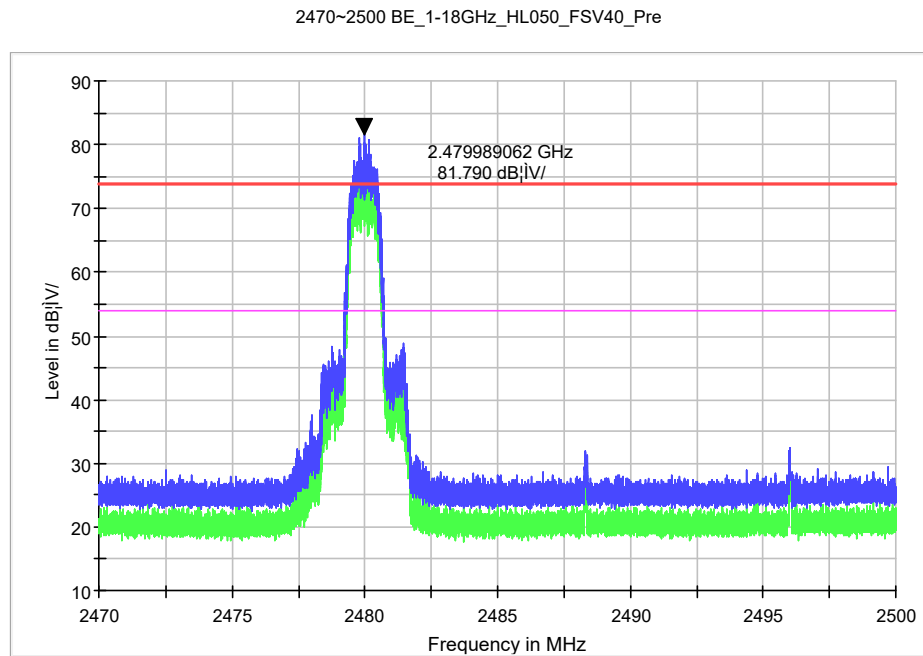
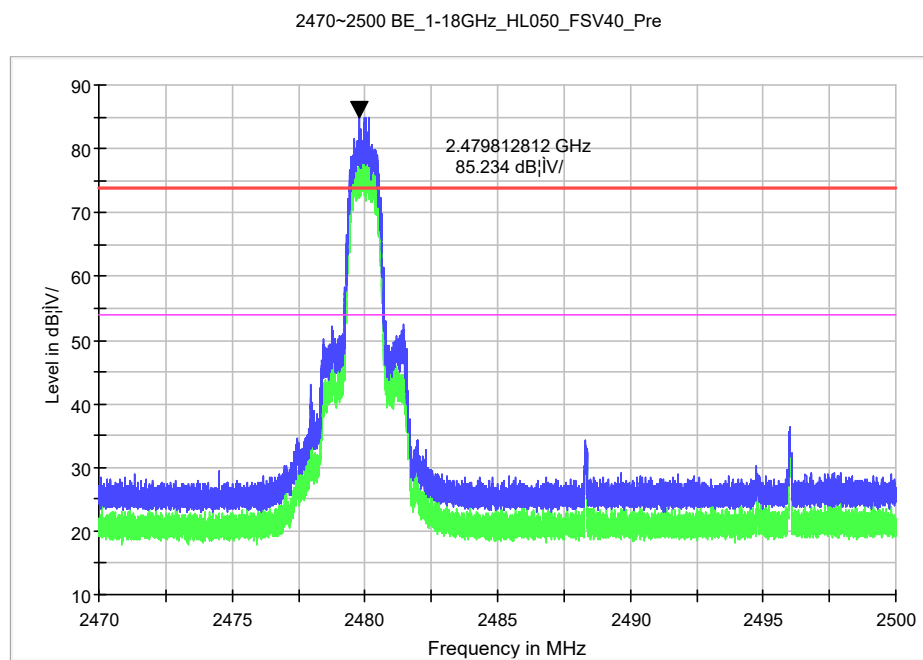
Figure 78: Radiated Band-Edge, TM7, H

Figure 79: Radiated Band-Edge, TM7, V


Figure 80: Radiated Band-Edge, TM9, H

Figure 81: Radiated Band-Edge, TM9, V


5.3.2 Radiated Spurious Emission

RESULT:**Pass**

Date of testing : 13.02.2020~14.02.2020
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 13.5V
Test modes applied : TM1 to TM9
Kind of test site : 3m Anechoic Chamber

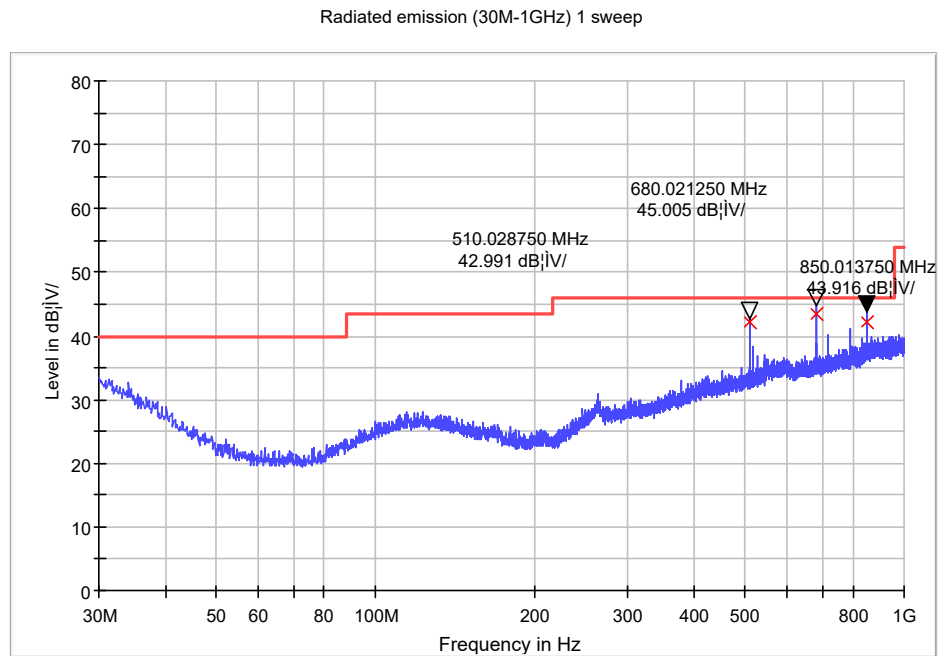
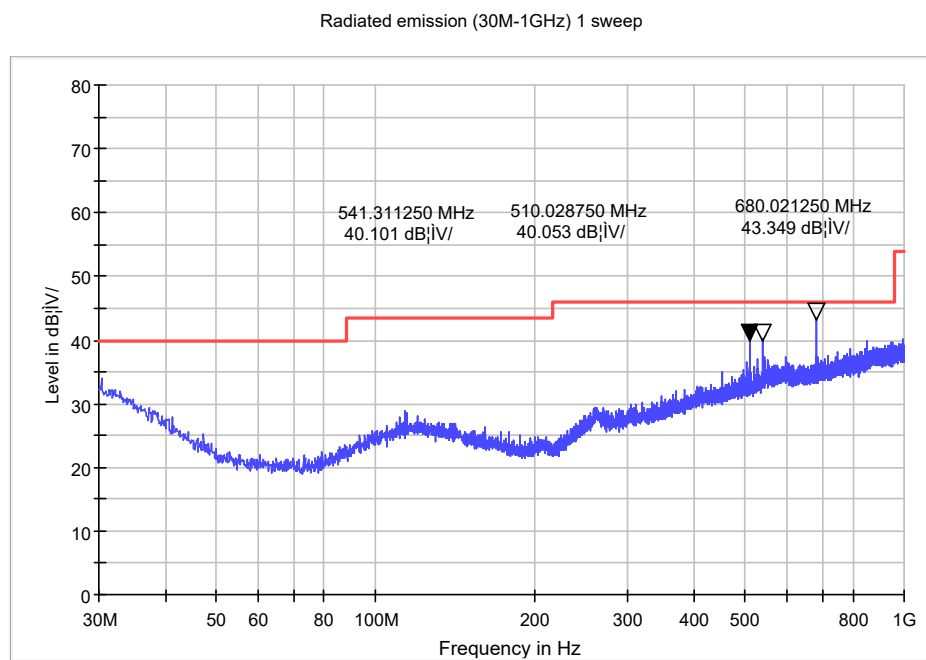
Figure 82: Radiated Spurious Emission, TM1, 30MHz to 1GHz, H

Figure 83: Radiated Spurious Emission, TM1, 30MHz to 1GHz, V


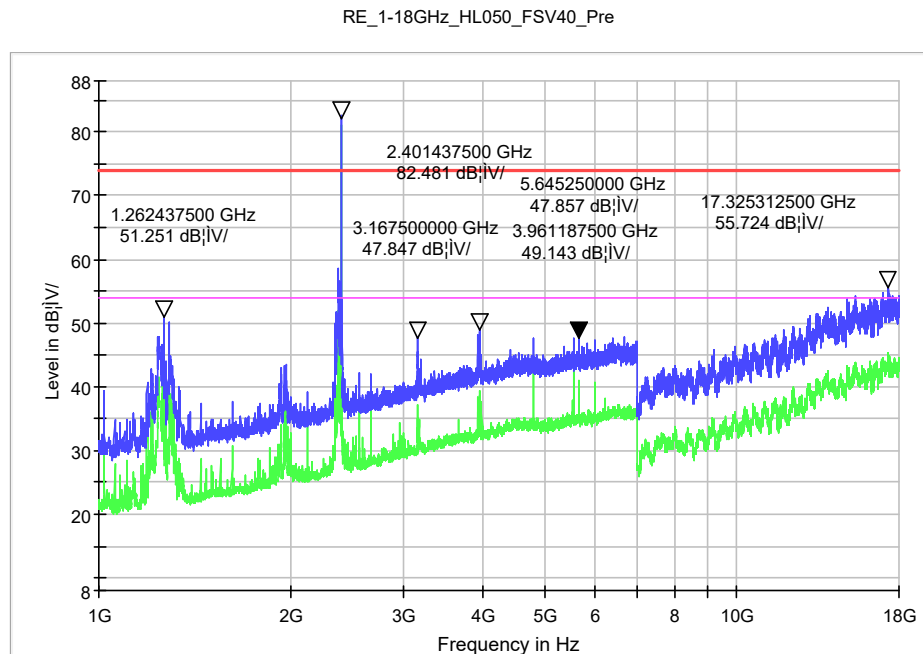
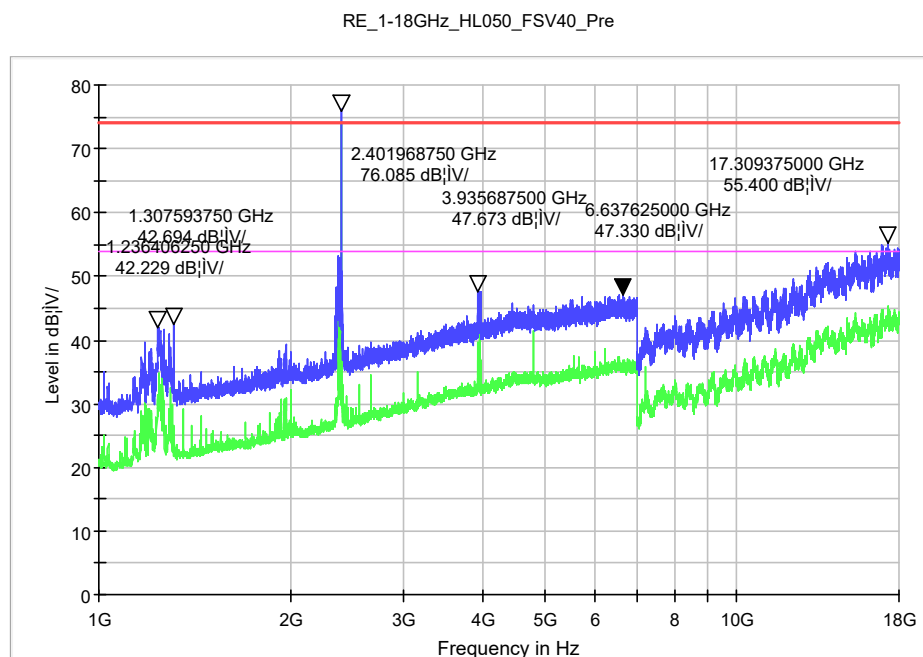
Figure 84: Radiated Spurious Emission, TM1, 1GHz to 18GHz, H

Figure 85: Radiated Spurious Emission, TM1, 1GHz to 18GHz, V


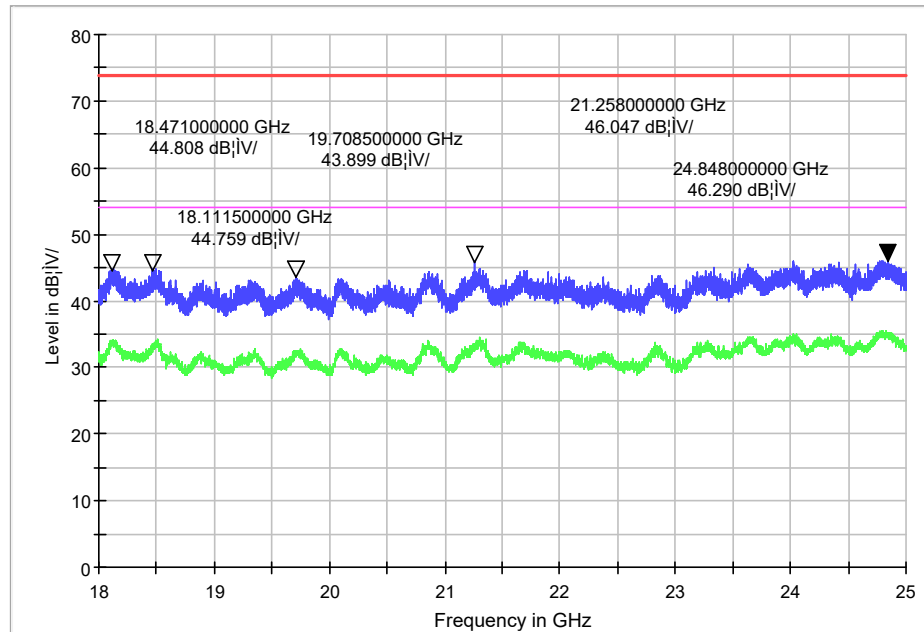
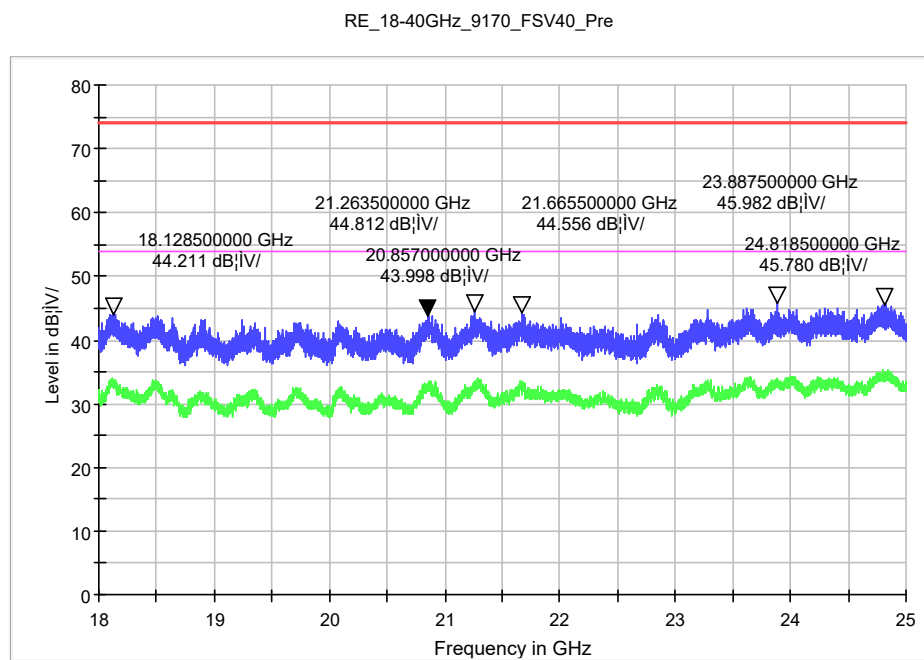
Figure 86: Radiated Spurious Emission, TM1, 18GHz to 25GHz, H

Figure 87: Radiated Spurious Emission, TM1, 18GHz to 25GHz, V


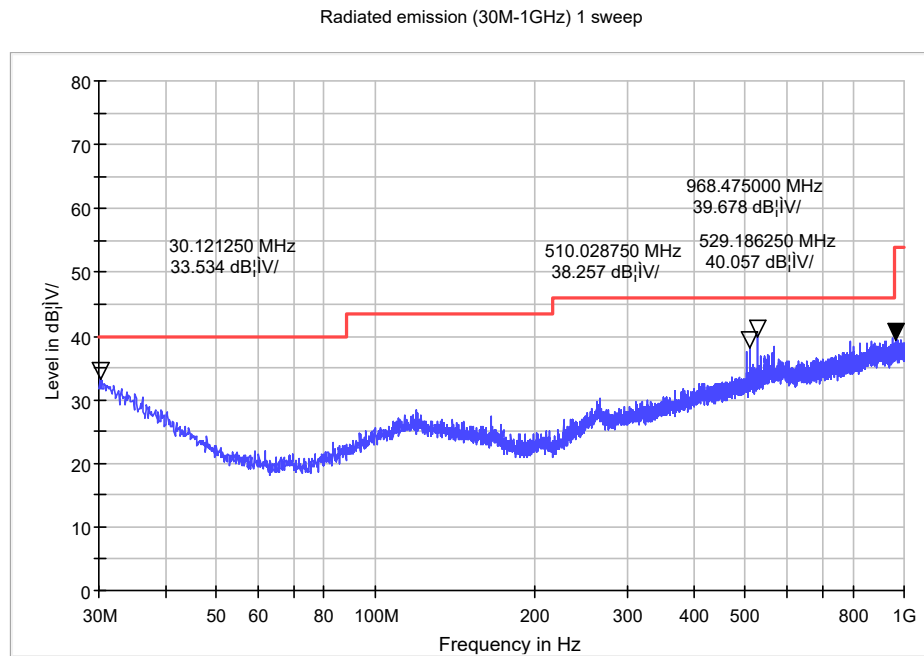
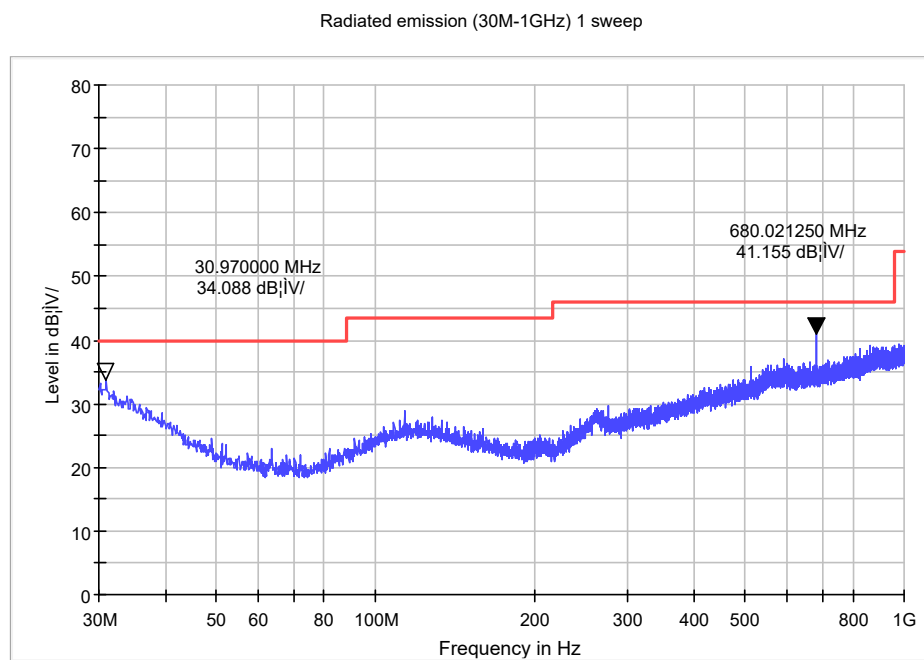
Figure 88: Radiated Spurious Emission, TM2, 30MHz to 1GHz, H

Figure 89: Radiated Spurious Emission, TM2, 30MHz to 1GHz, V


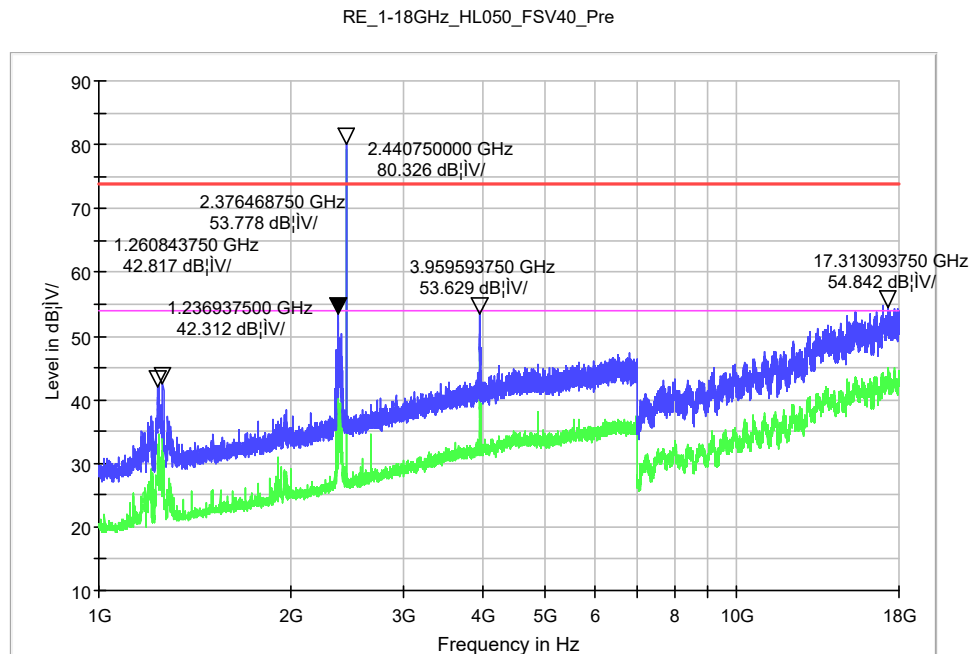
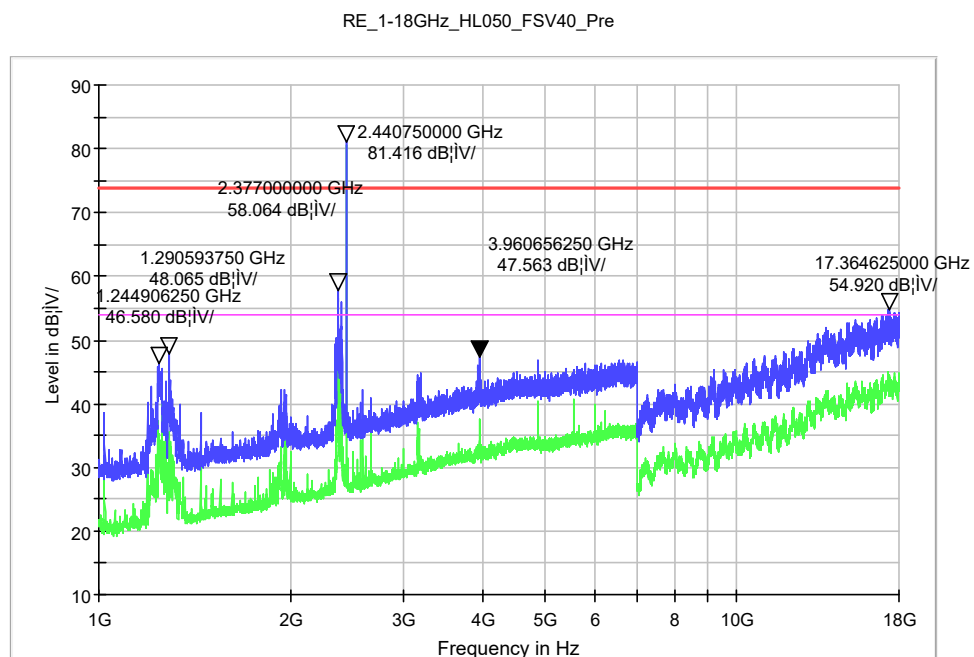
Figure 90: Radiated Spurious Emission, TM2, 1GHz to 18GHz, H

Figure 91: Radiated Spurious Emission, TM2, 1GHz to 18GHz, V


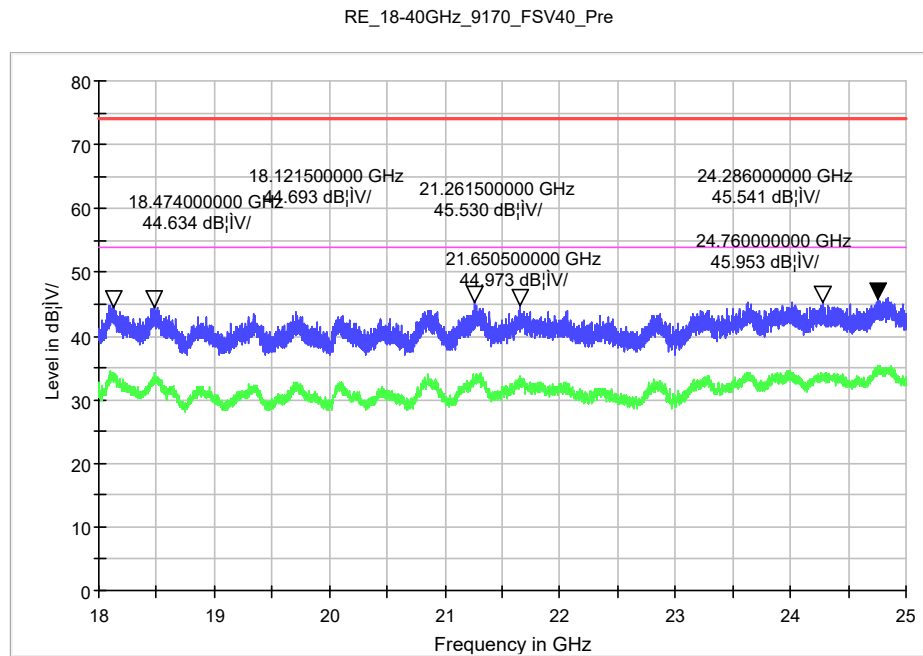
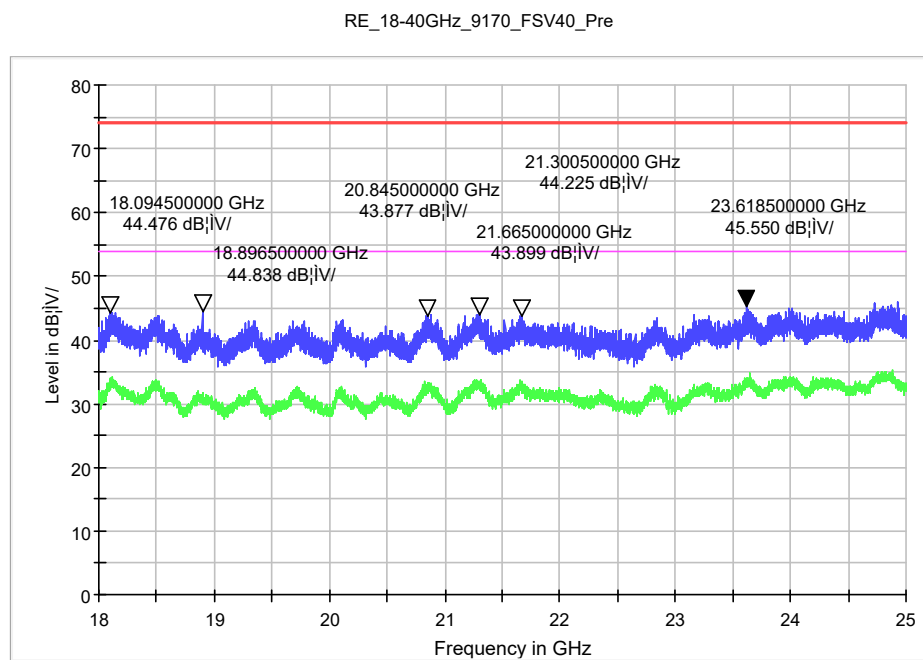
Figure 92: Radiated Spurious Emission, TM2, 18GHz to 25GHz, H

Figure 93: Radiated Spurious Emission, TM2, 18GHz to 25GHz, V


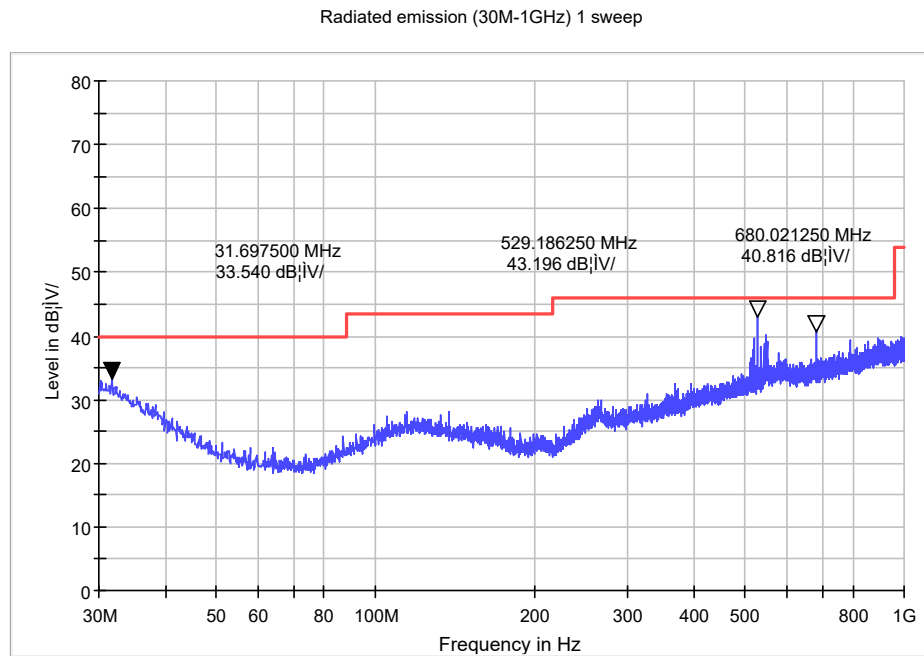
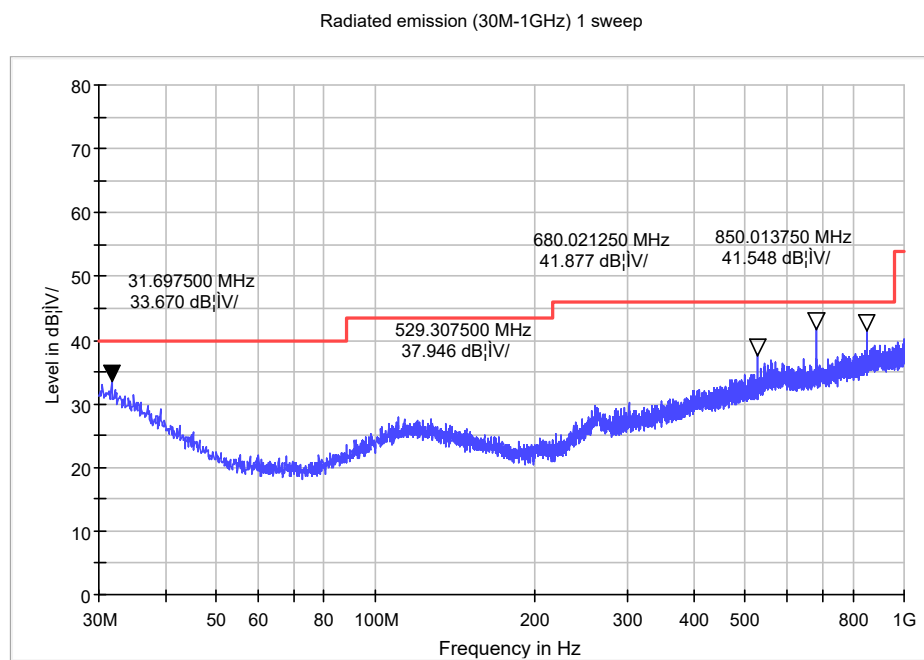
Figure 94: Radiated Spurious Emission, TM3, 30MHz to 1GHz, H

Figure 95: Radiated Spurious Emission, TM3, 30MHz to 1GHz, V


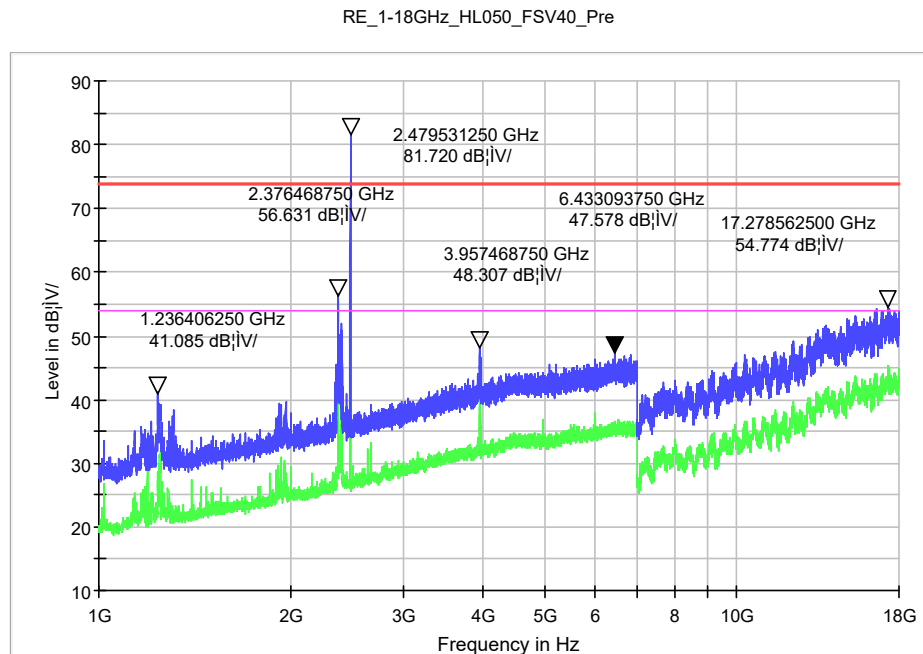
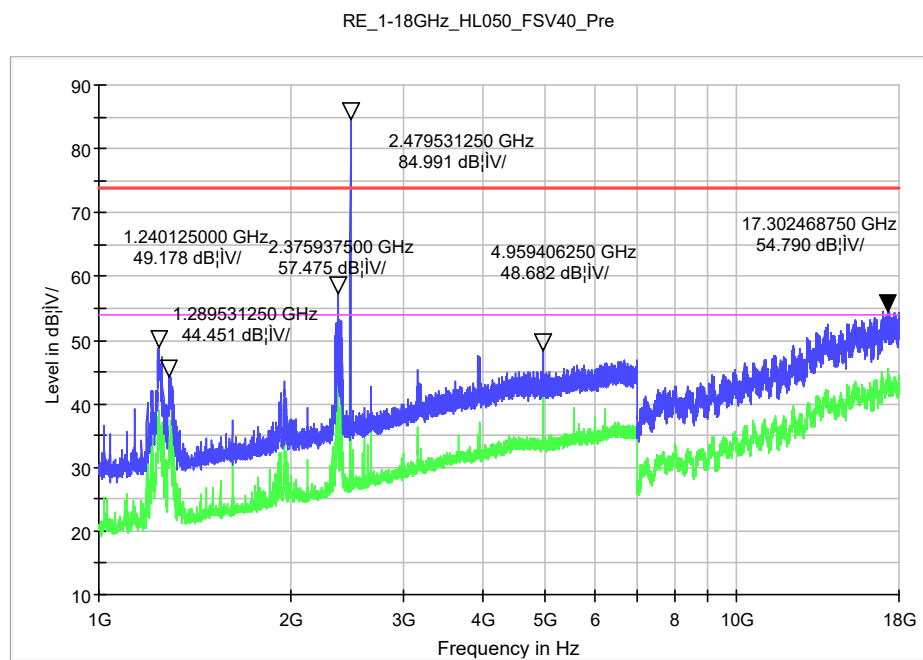
Figure 96: Radiated Spurious Emission, TM3, 1GHz to 18GHz, H

Figure 97: Radiated Spurious Emission, TM3, 1GHz to 18GHz, V


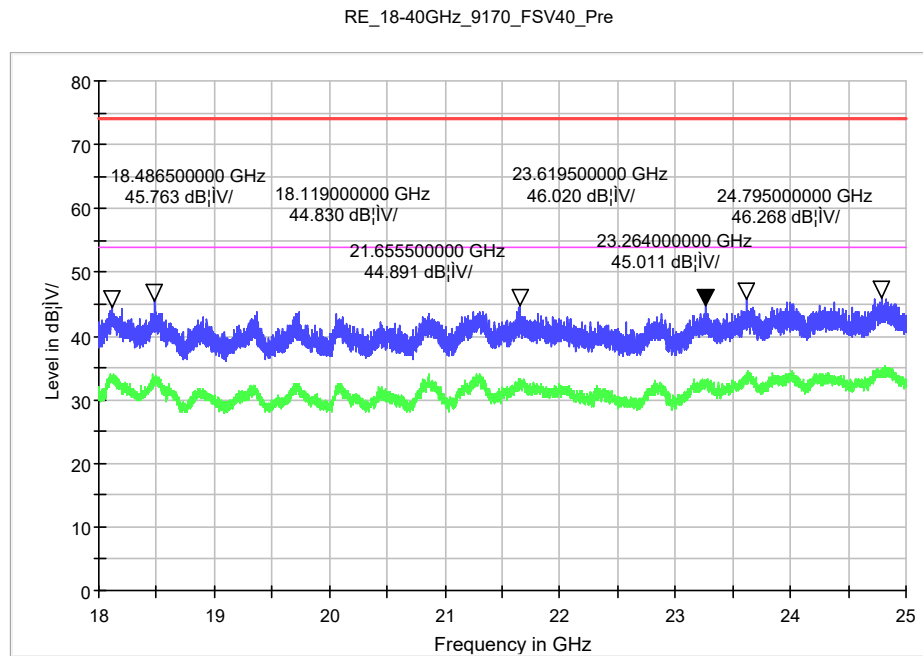
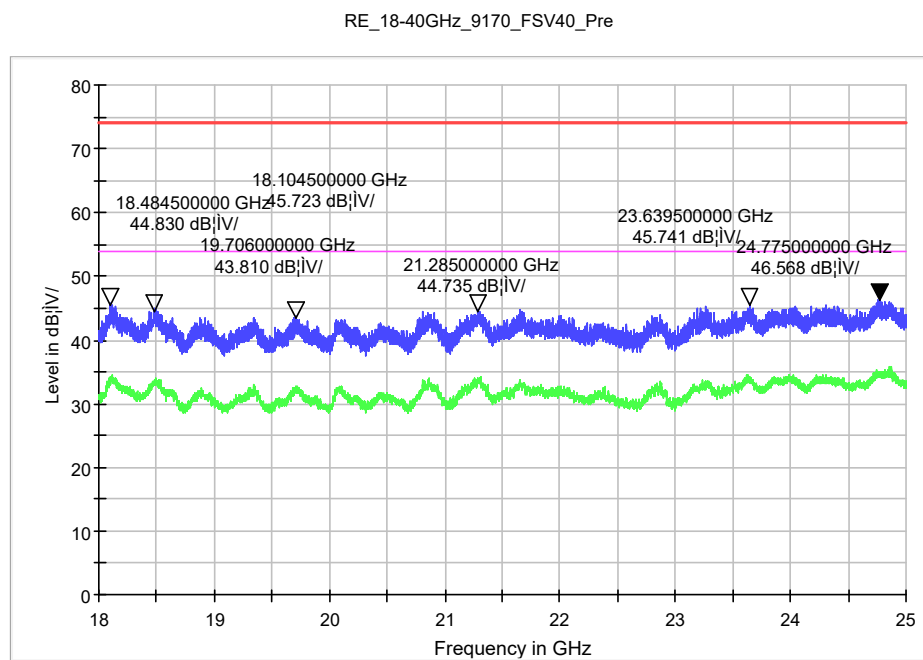
Figure 98: Radiated Spurious Emission, TM3, 18GHz to 25GHz, H

Figure 99: Radiated Spurious Emission, TM3, 18GHz to 25GHz, V


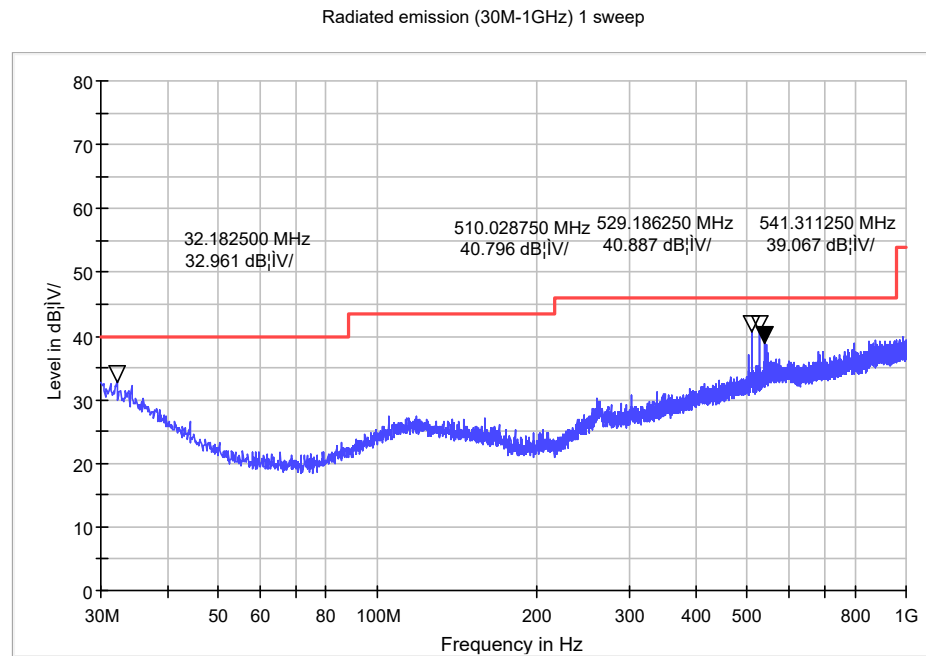
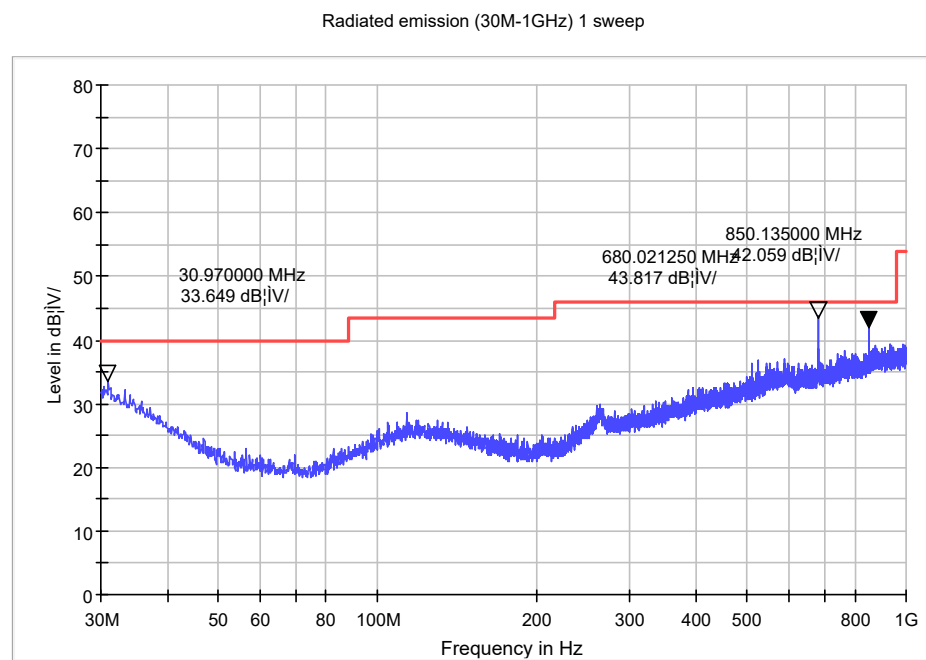
Figure 100: Radiated Spurious Emission, TM4, 30MHz to 1GHz, H

Figure 101: Radiated Spurious Emission, TM4, 30MHz to 1GHz, V


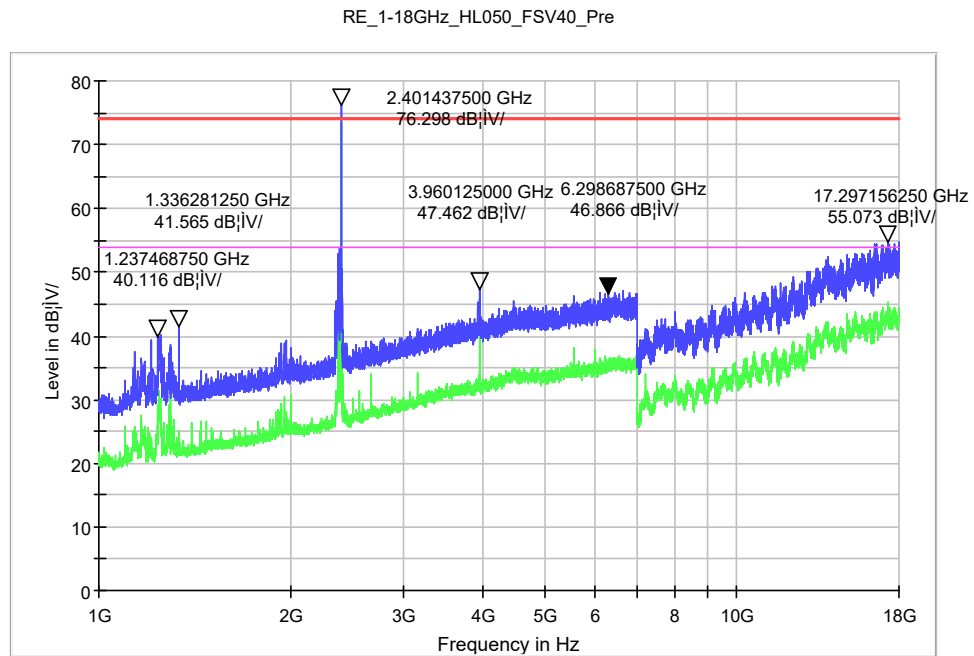
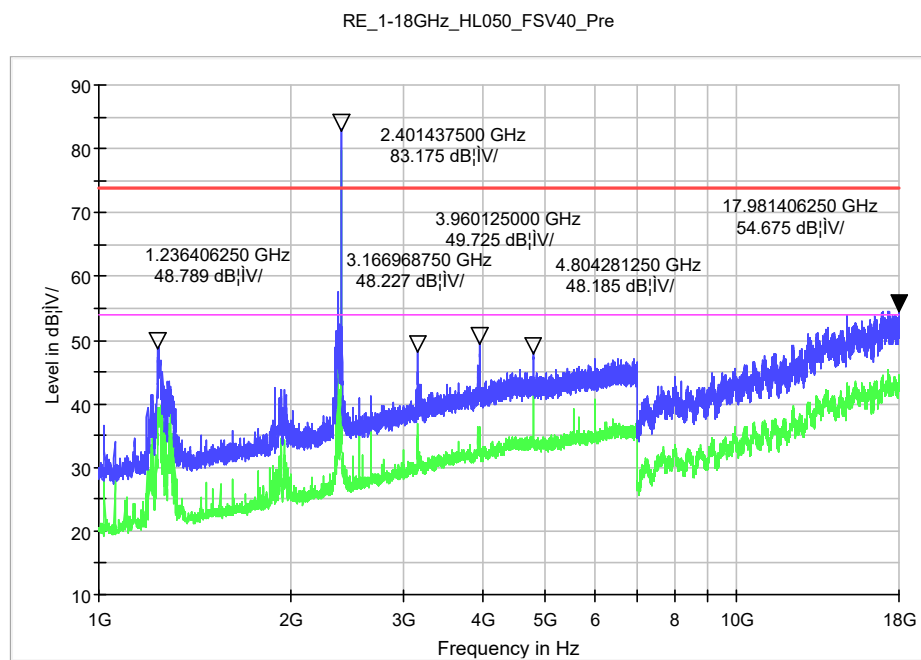
Figure 102: Radiated Spurious Emission, TM4, 1GHz to 18GHz, H

Figure 103: Radiated Spurious Emission, TM4, 1GHz to 18GHz, V


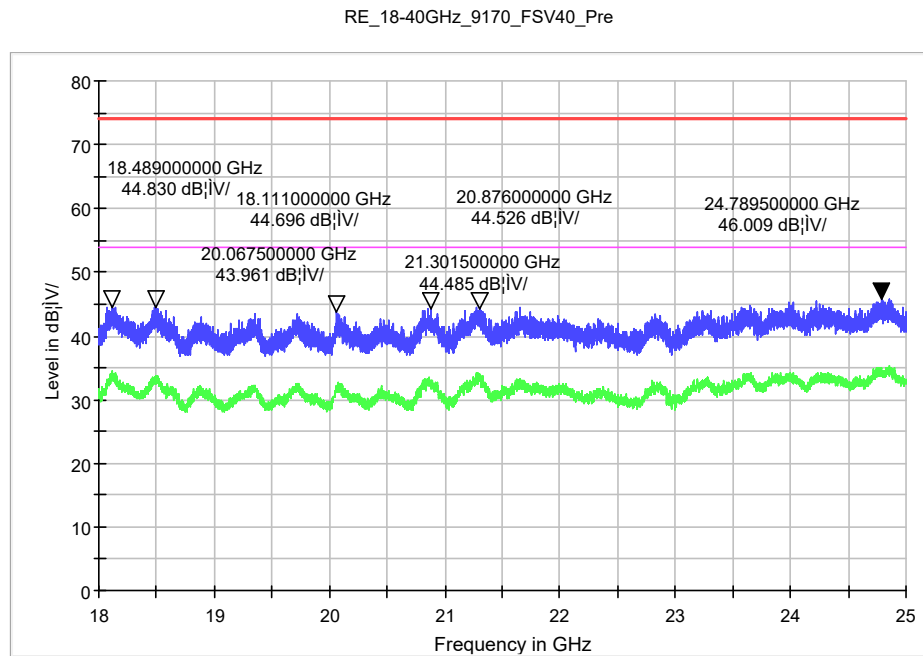
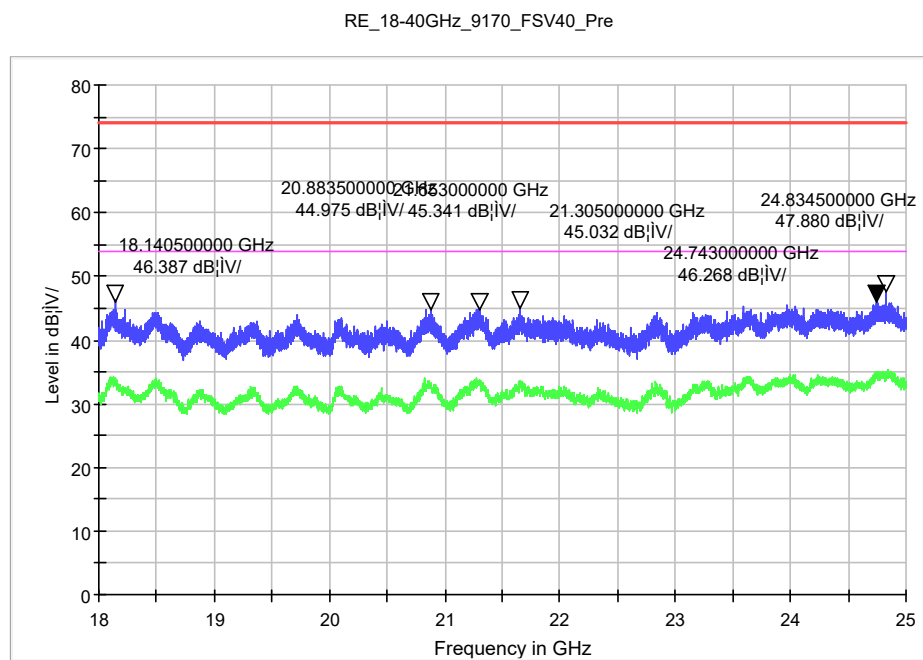
Figure 104: Radiated Spurious Emission, TM4, 18GHz to 25GHz, H

Figure 105: Radiated Spurious Emission, TM4, 18GHz to 25GHz, V


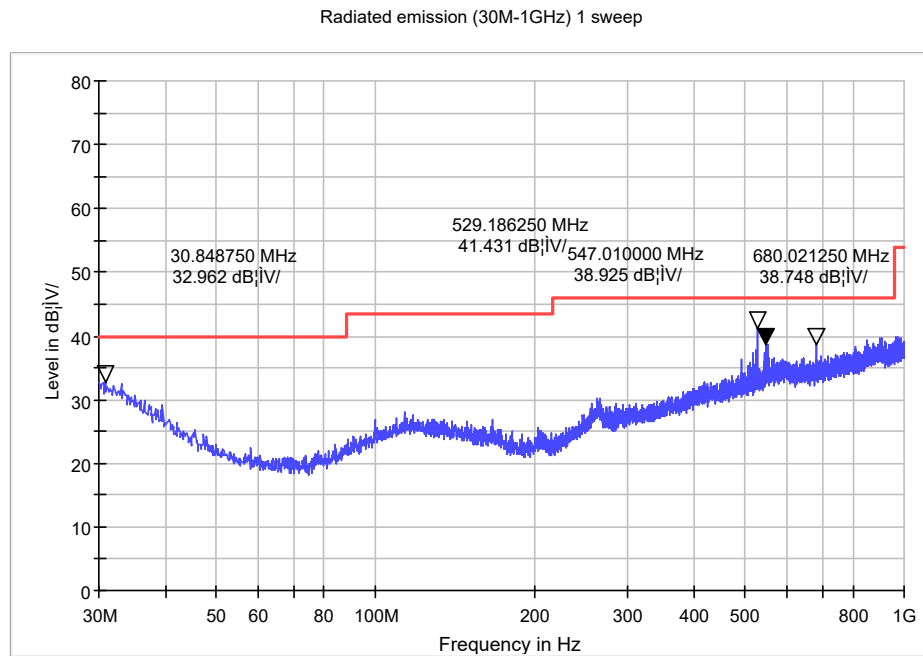
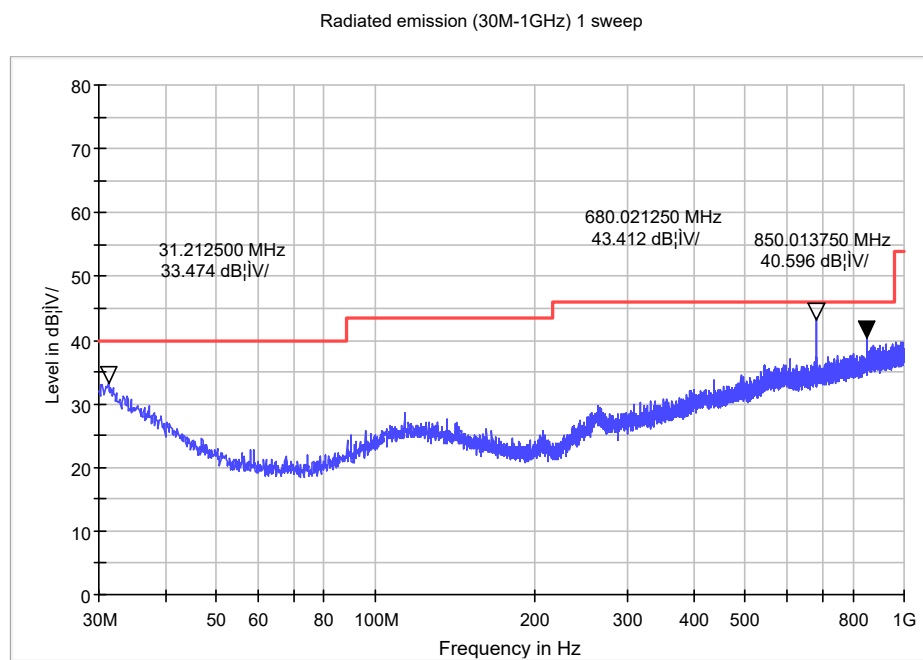
Figure 106: Radiated Spurious Emission, TM5, 30MHz to 1GHz, H

Figure 107: Radiated Spurious Emission, TM5, 30MHz to 1GHz, V


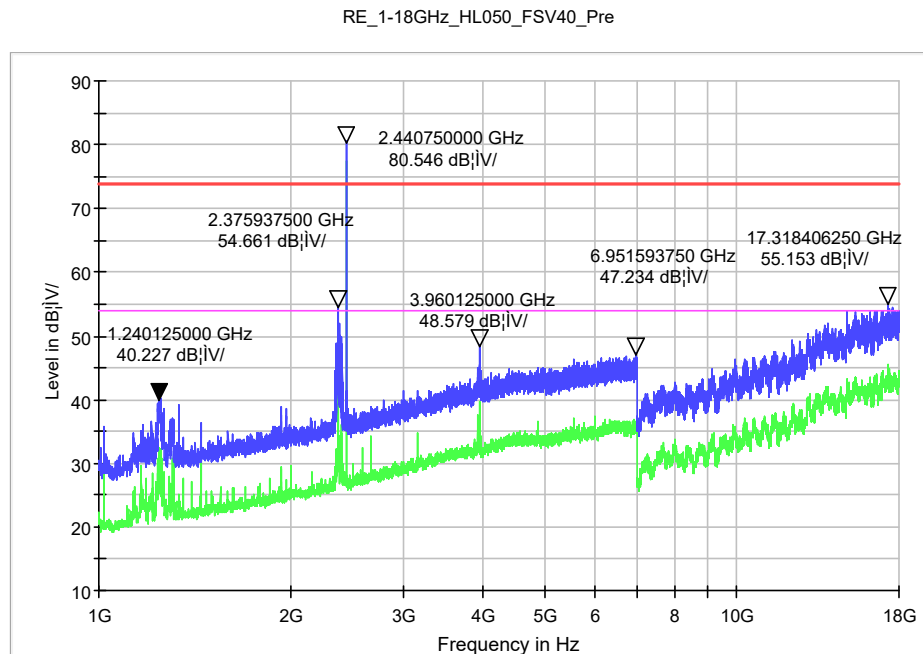
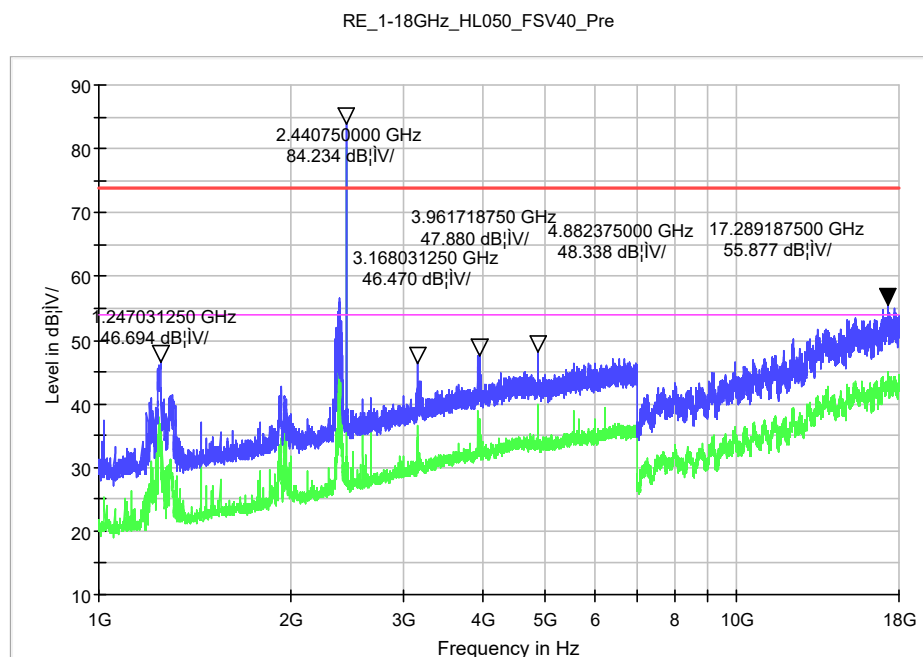
Figure 108: Radiated Spurious Emission, TM5, 1GHz to 18GHz, H

Figure 109: Radiated Spurious Emission, TM5, 1GHz to 18GHz, V


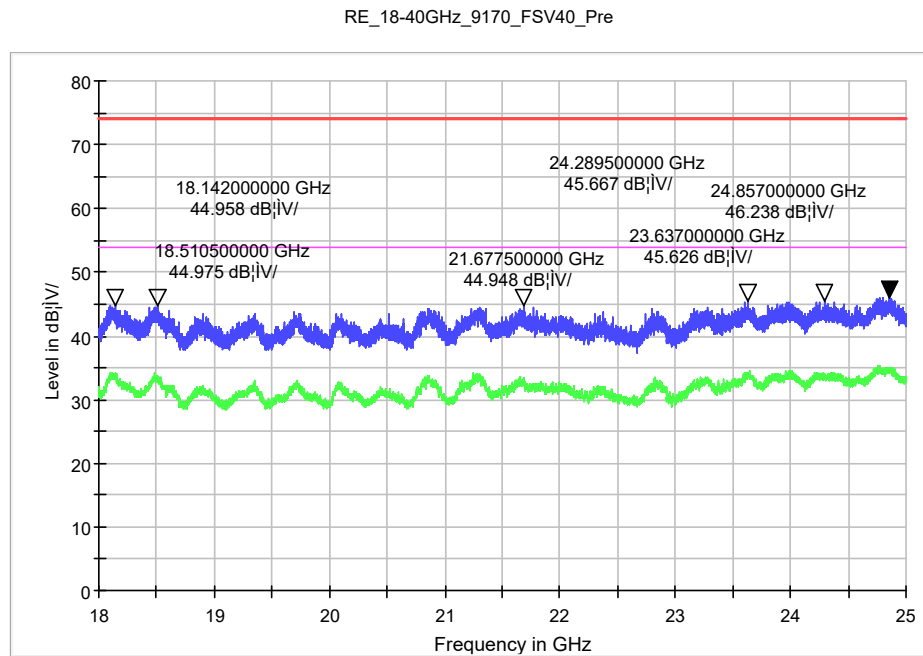
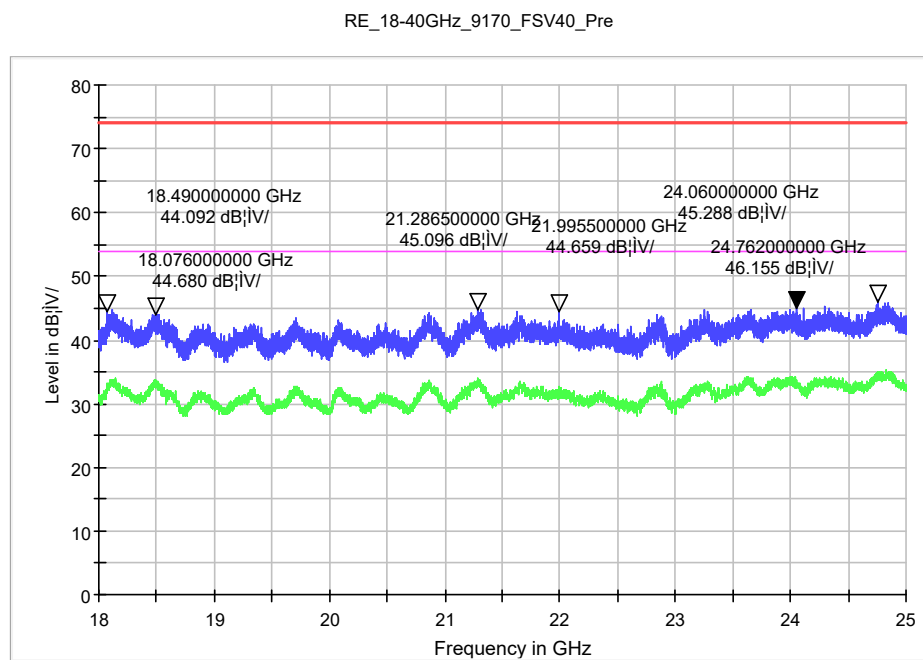
Figure 110: Radiated Spurious Emission, TM5, 18GHz to 25GHz, H

Figure 111: Radiated Spurious Emission, TM5, 18GHz to 25GHz, V


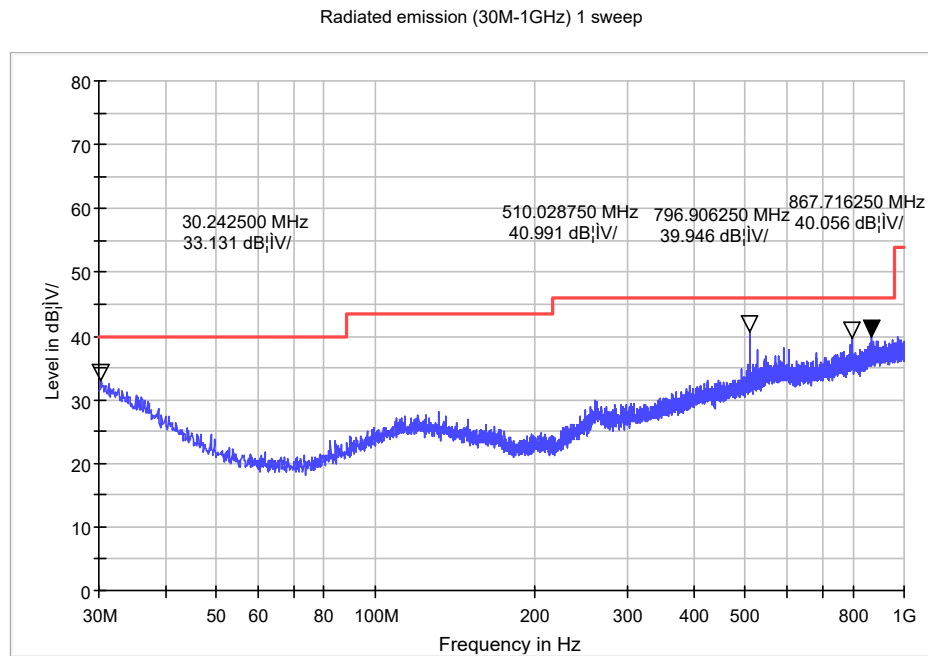
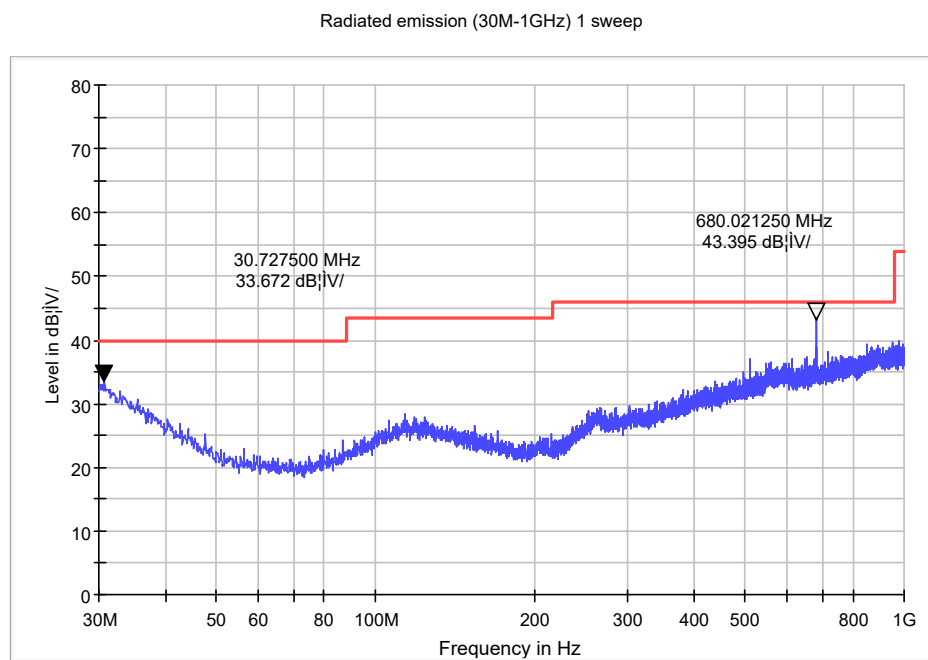
Figure 112: Radiated Spurious Emission, TM6, 30MHz to 1GHz, H

Figure 113: Radiated Spurious Emission, TM6, 30MHz to 1GHz, V


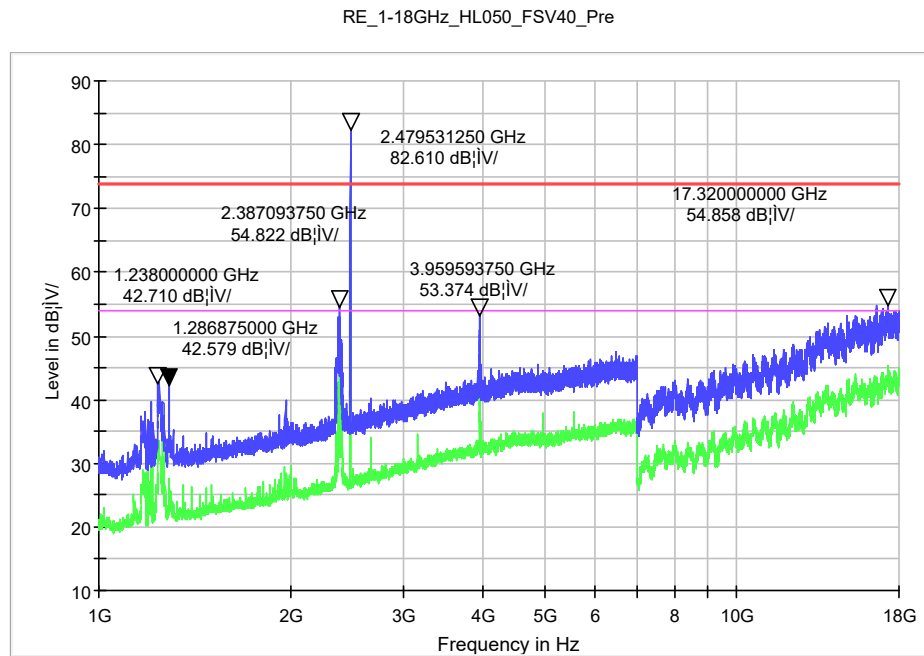
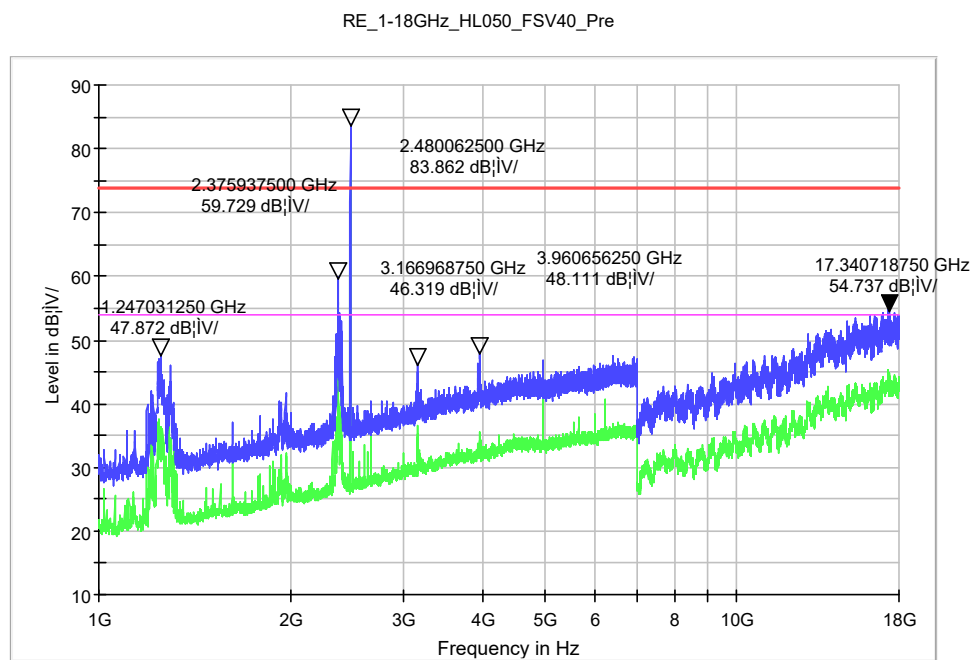
Figure 114: Radiated Spurious Emission, TM6, 1GHz to 18GHz, H

Figure 115: Radiated Spurious Emission, TM6, 1GHz to 18GHz, V


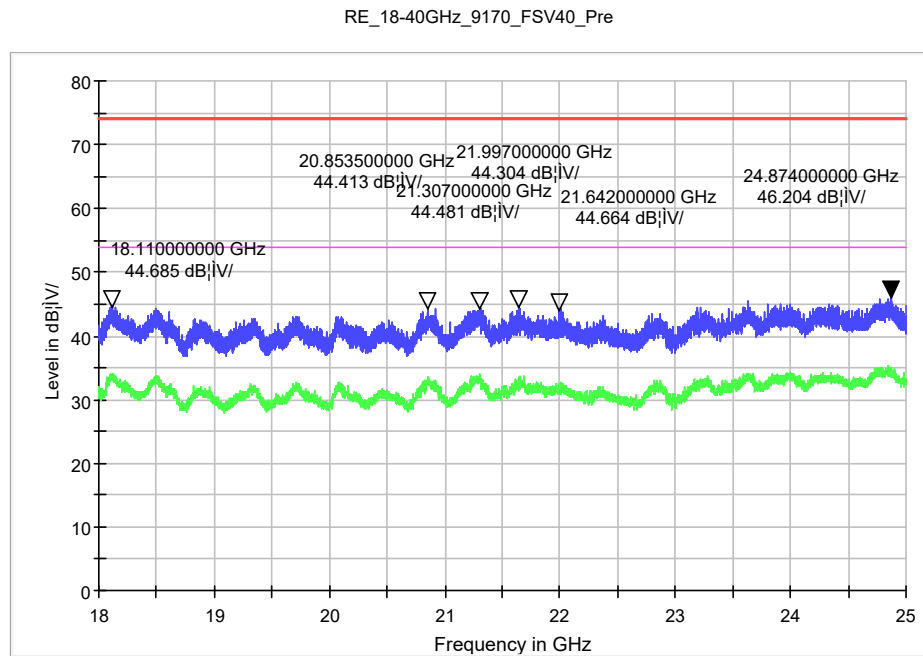
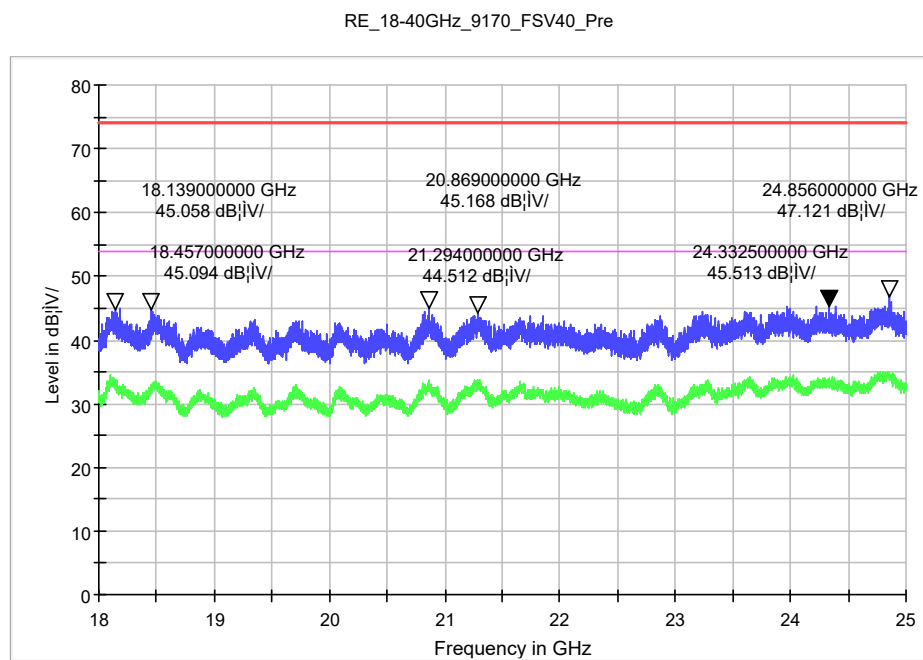
Figure 116: Radiated Spurious Emission, TM6, 18GHz to 25GHz, H

Figure 117: Radiated Spurious Emission, TM6, 18GHz to 25GHz, V


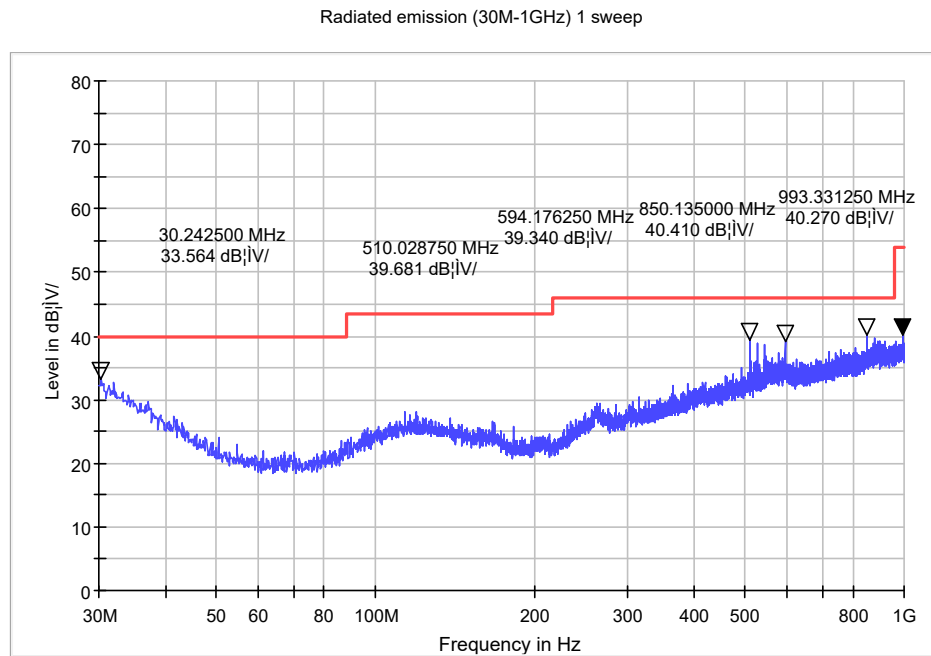
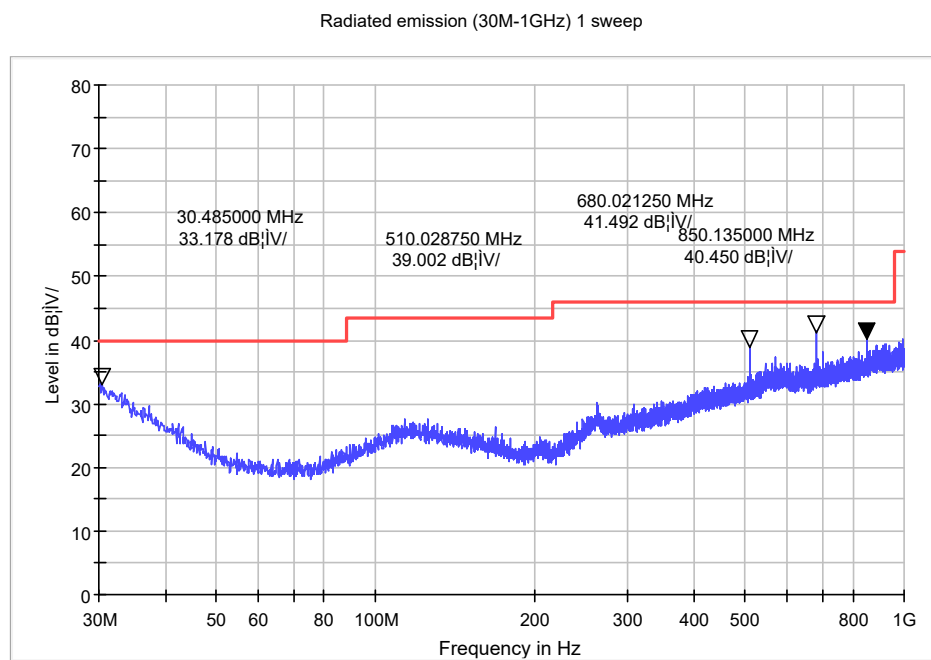
Figure 118: Radiated Spurious Emission, TM7, 30MHz to 1GHz, H

Figure 119: Radiated Spurious Emission, TM7, 30MHz to 1GHz, V


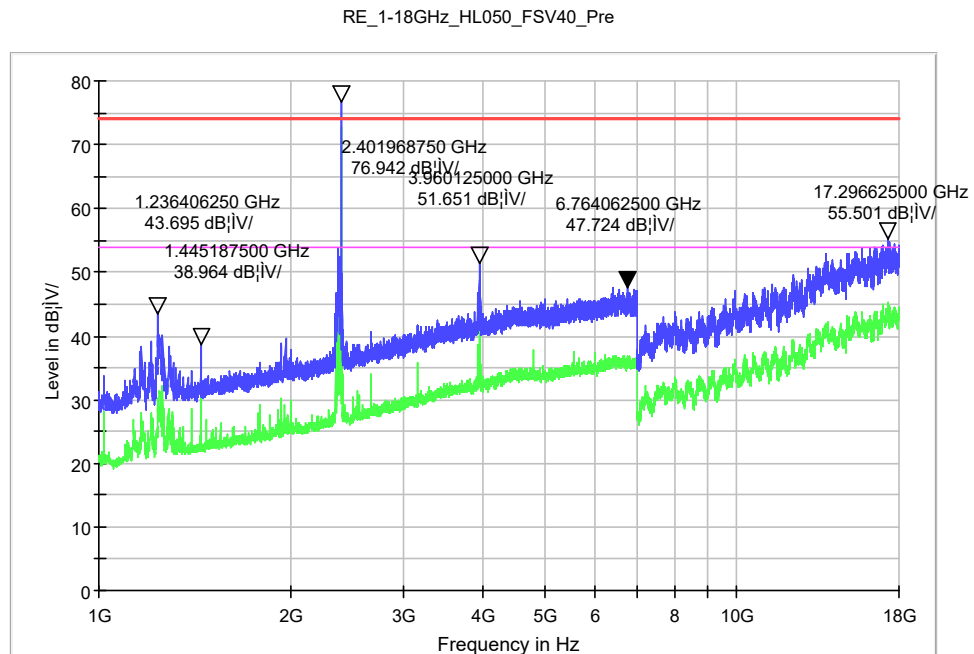
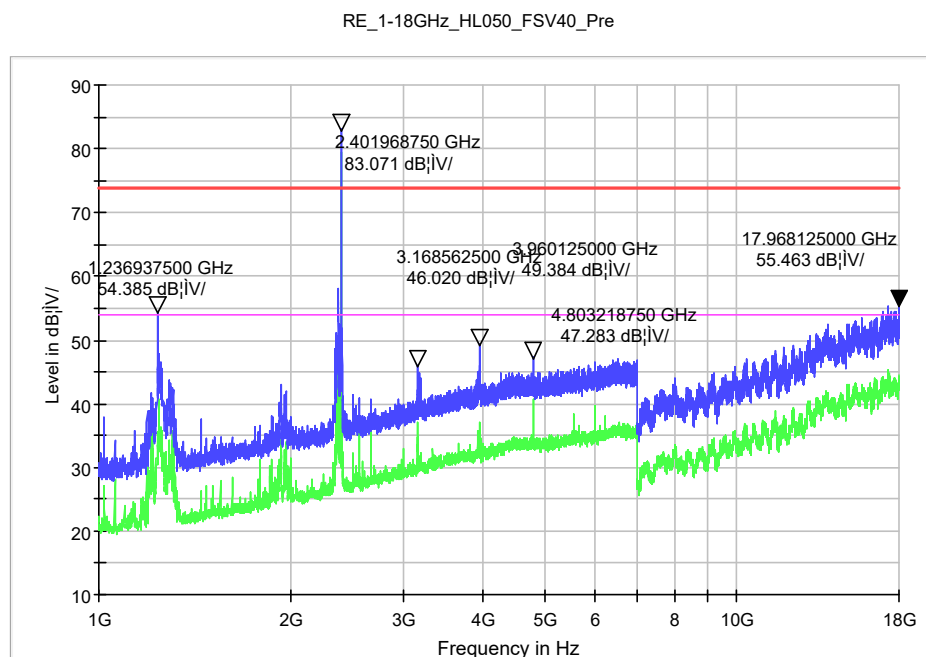
Figure 120: Radiated Spurious Emission, TM7, 1GHz to 18GHz, H

Figure 121: Radiated Spurious Emission, TM7, 1GHz to 18GHz, V


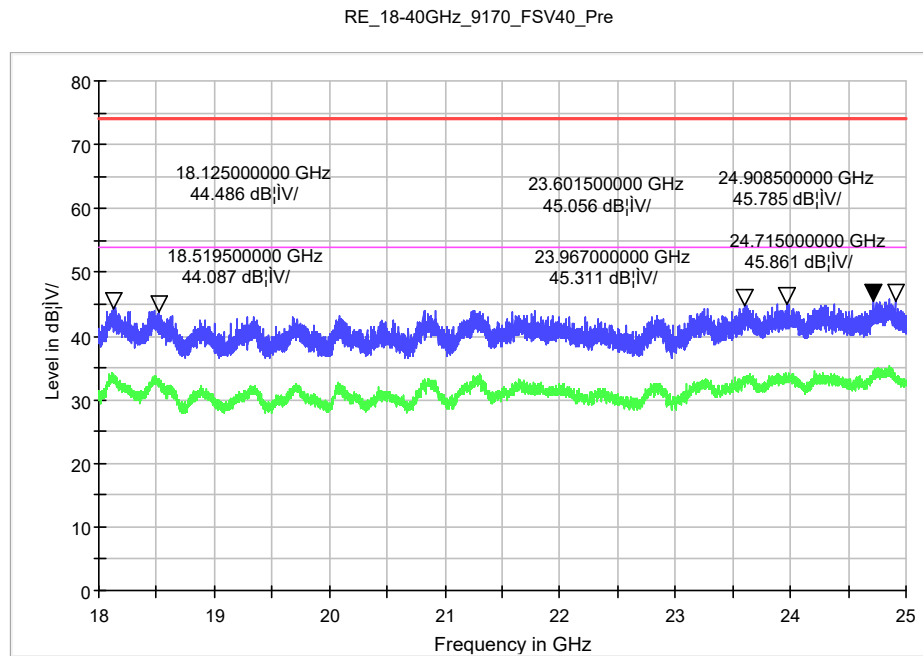
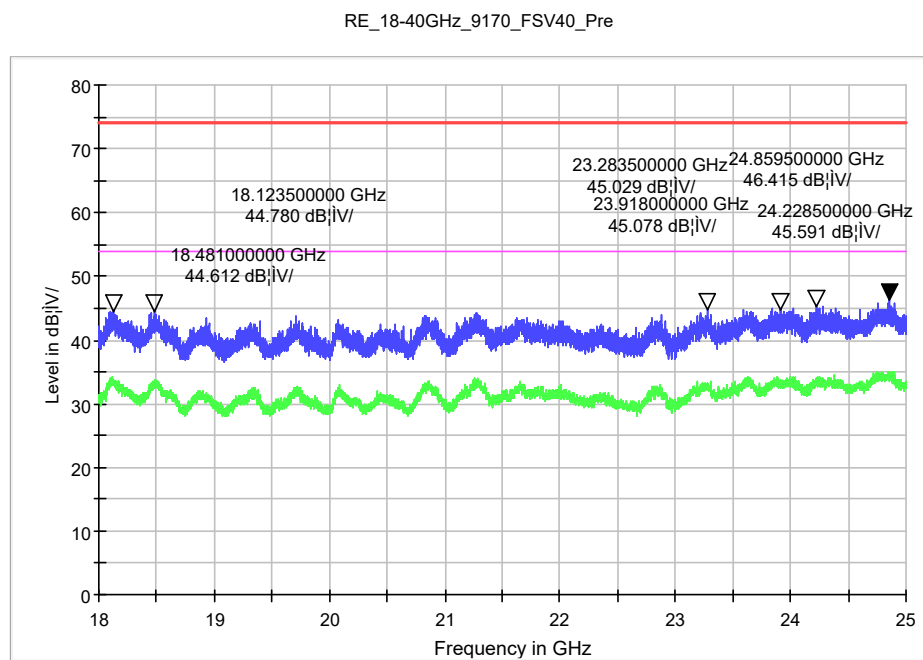
Figure 122: Radiated Spurious Emission, TM7, 18GHz to 25GHz, H

Figure 123: Radiated Spurious Emission, TM7, 18GHz to 25GHz, V


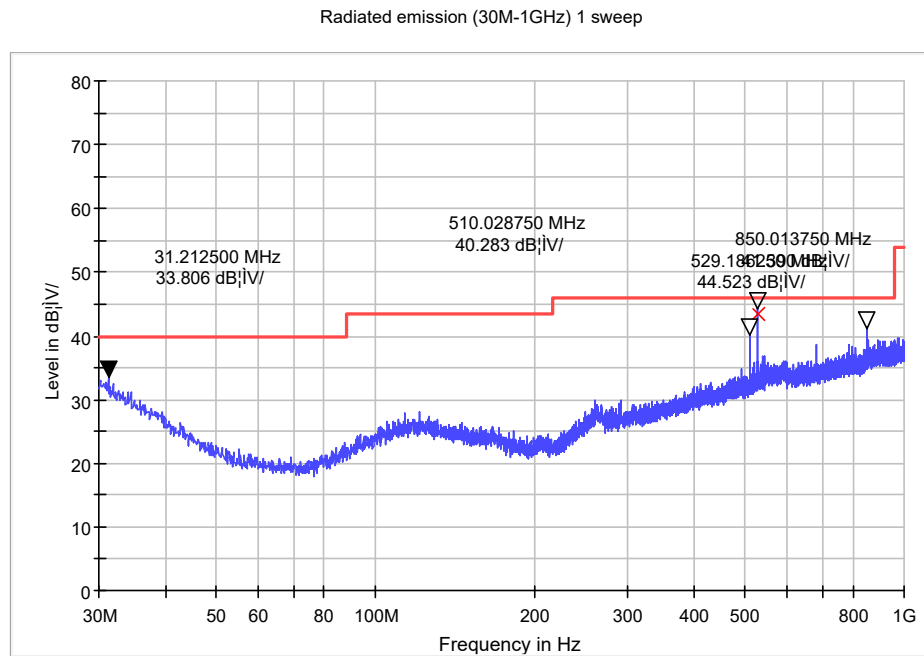
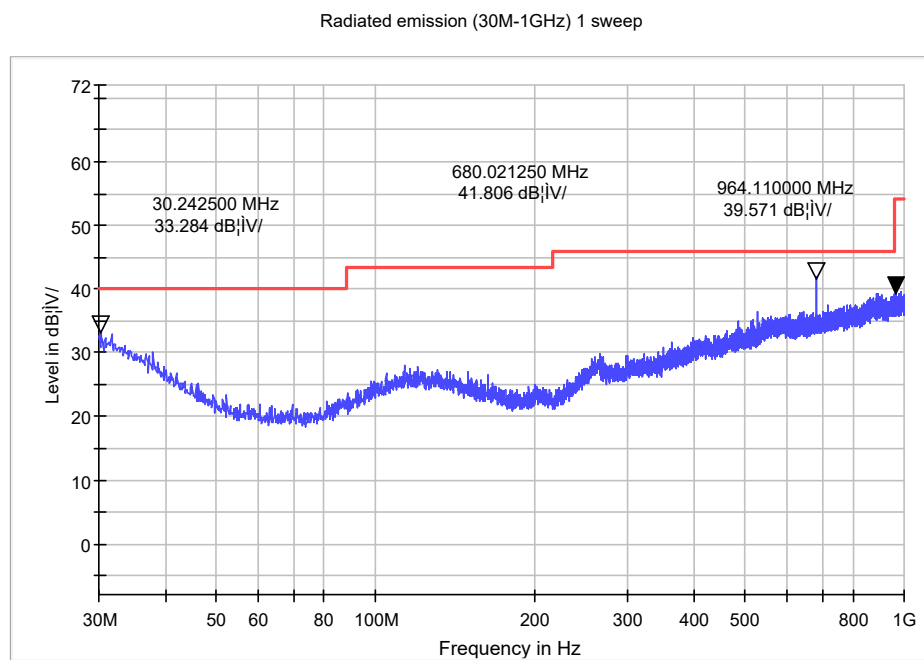
Figure 124: Radiated Spurious Emission, TM8, 30MHz to 1GHz, H

Figure 125: Radiated Spurious Emission, TM8, 30MHz to 1GHz, V


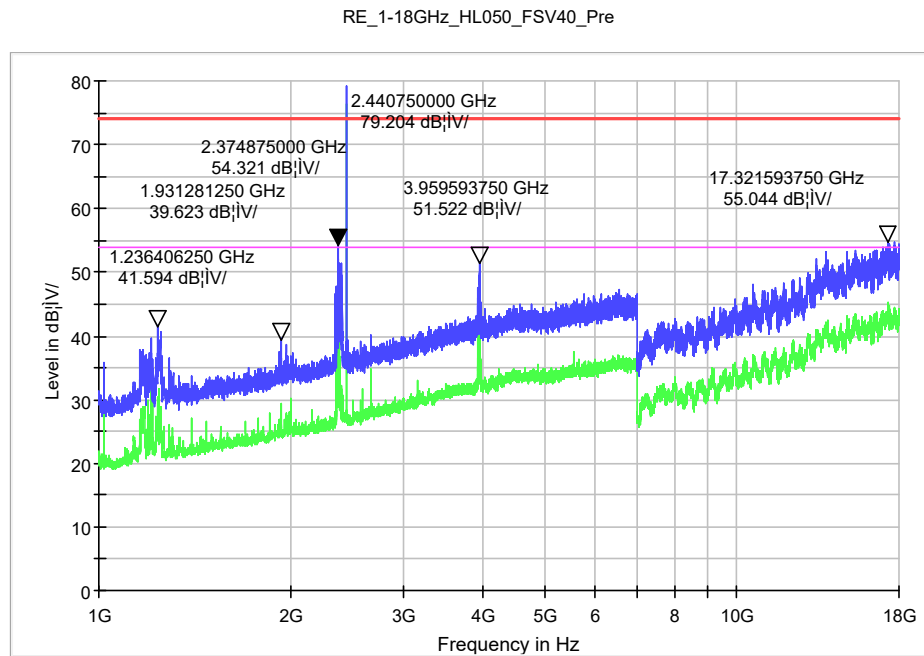
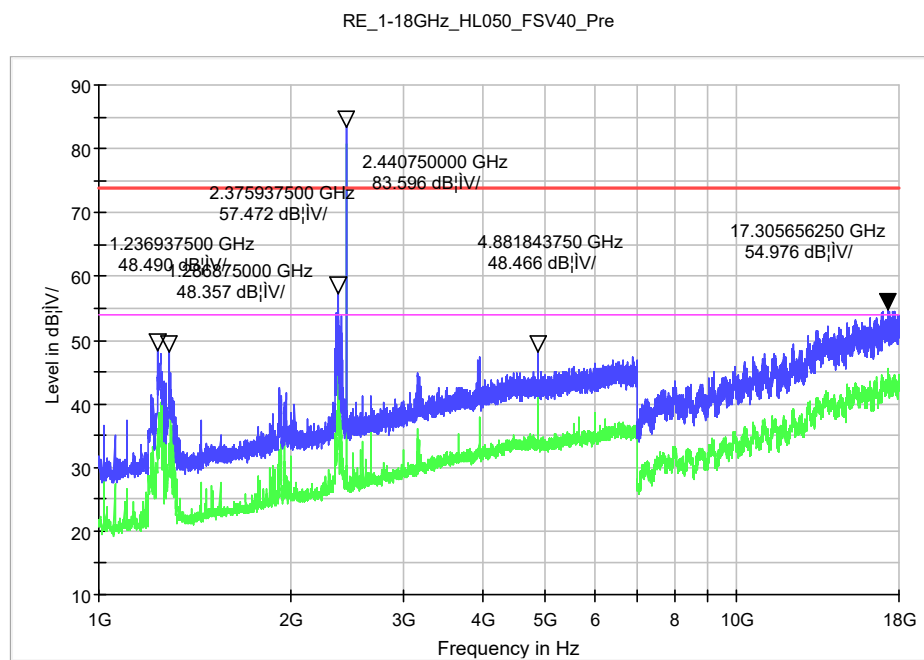
Figure 126: Radiated Spurious Emission, TM8, 1GHz to 18GHz, H

Figure 127: Radiated Spurious Emission, TM8, 1GHz to 18GHz, V


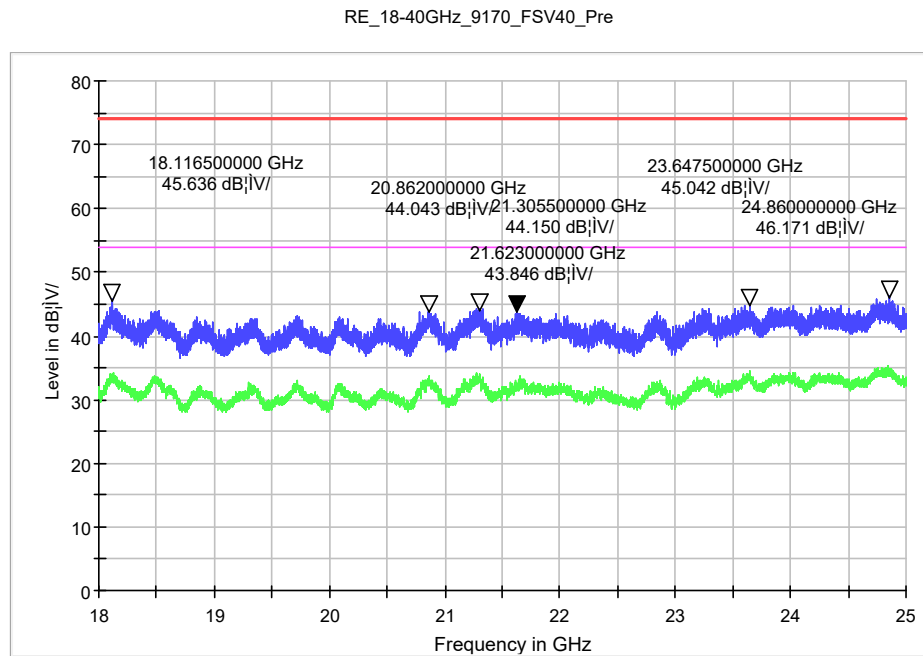
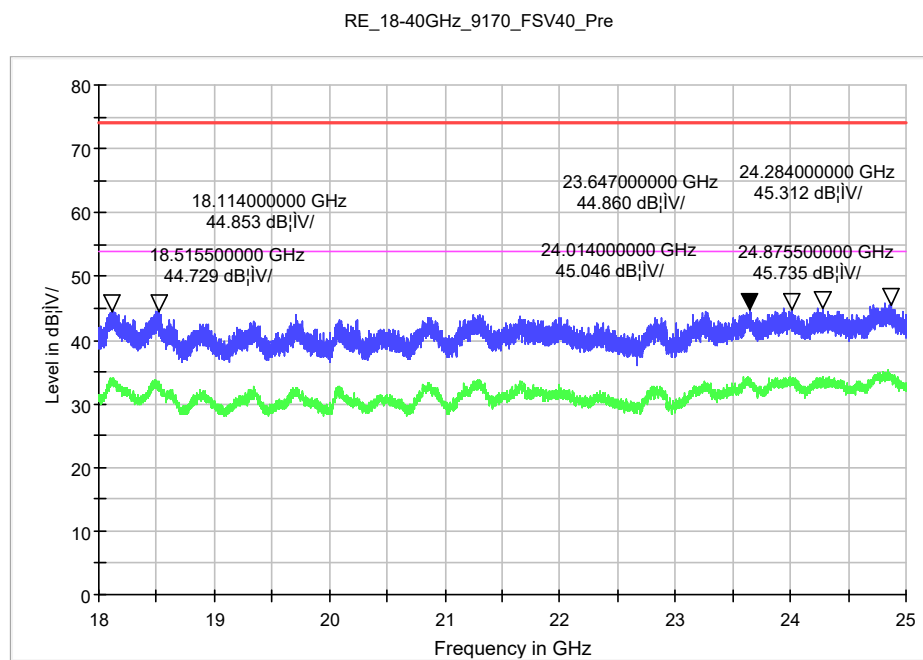
Figure 128: Radiated Spurious Emission, TM8, 18GHz to 25GHz, H

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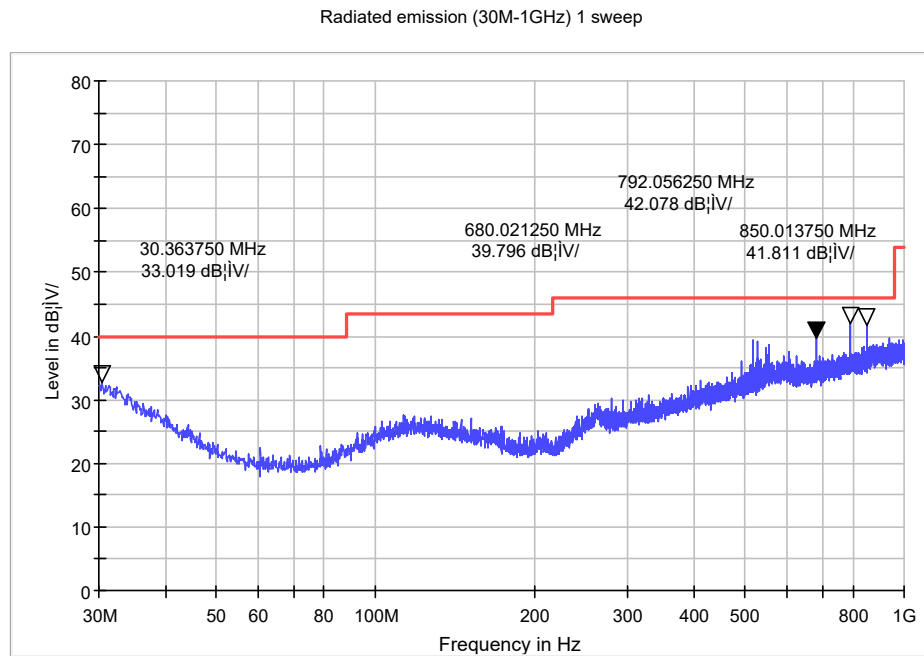
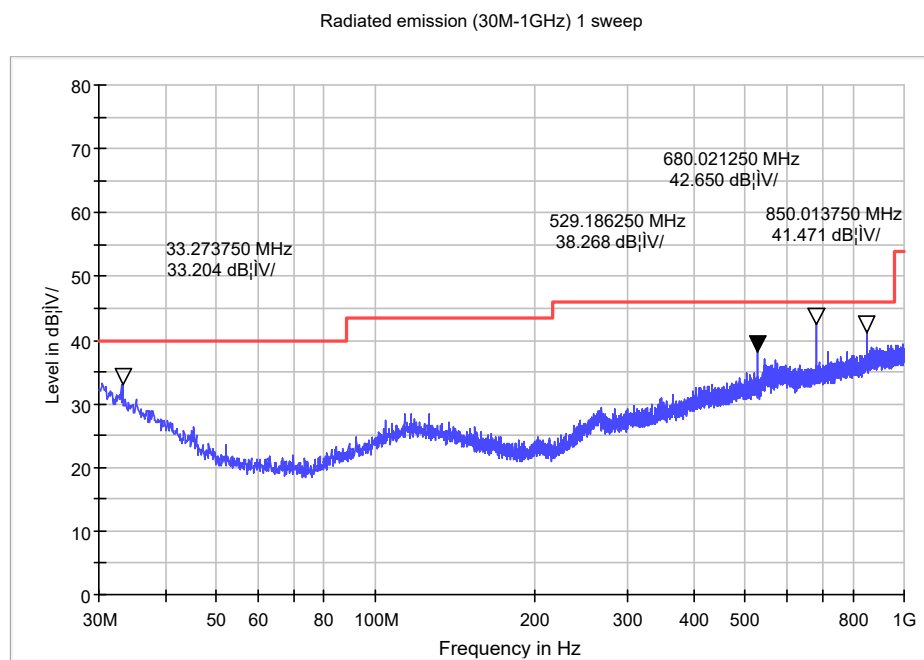
Figure 130: Radiated Spurious Emission, TM9, 30MHz to 1GHz, H

Figure 131: Radiated Spurious Emission, TM9, 30MHz to 1GHz, V


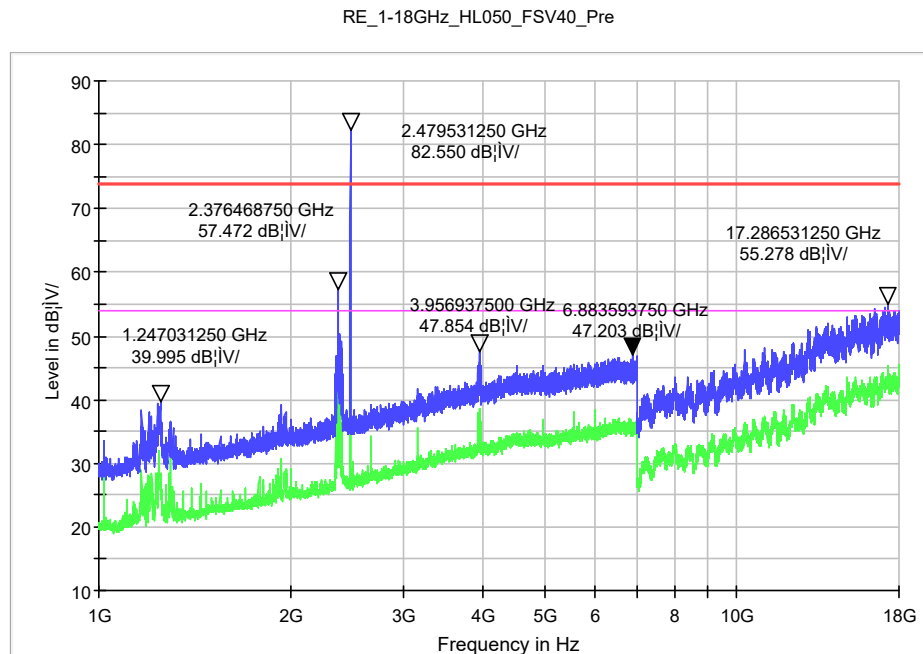
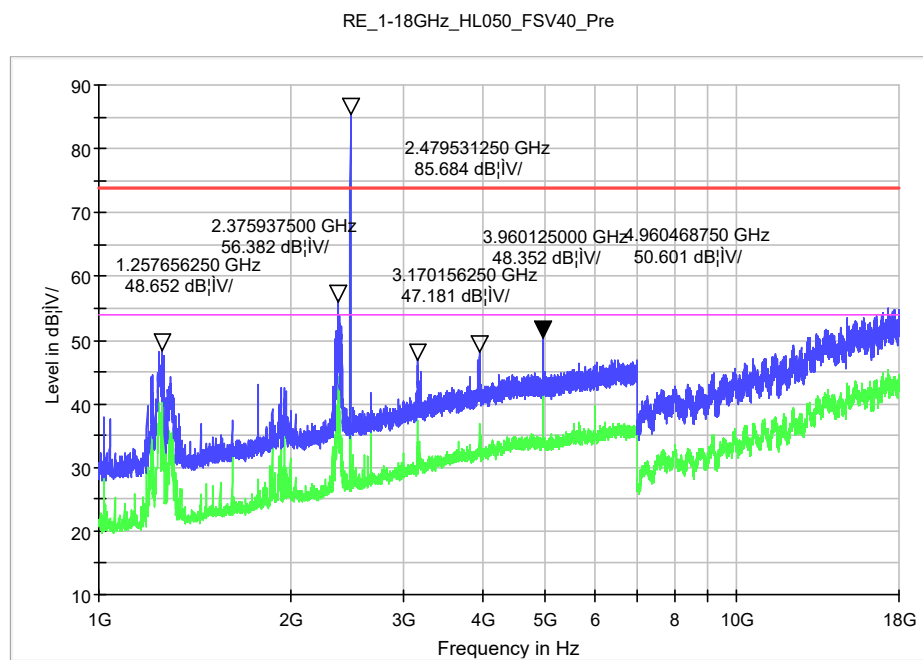
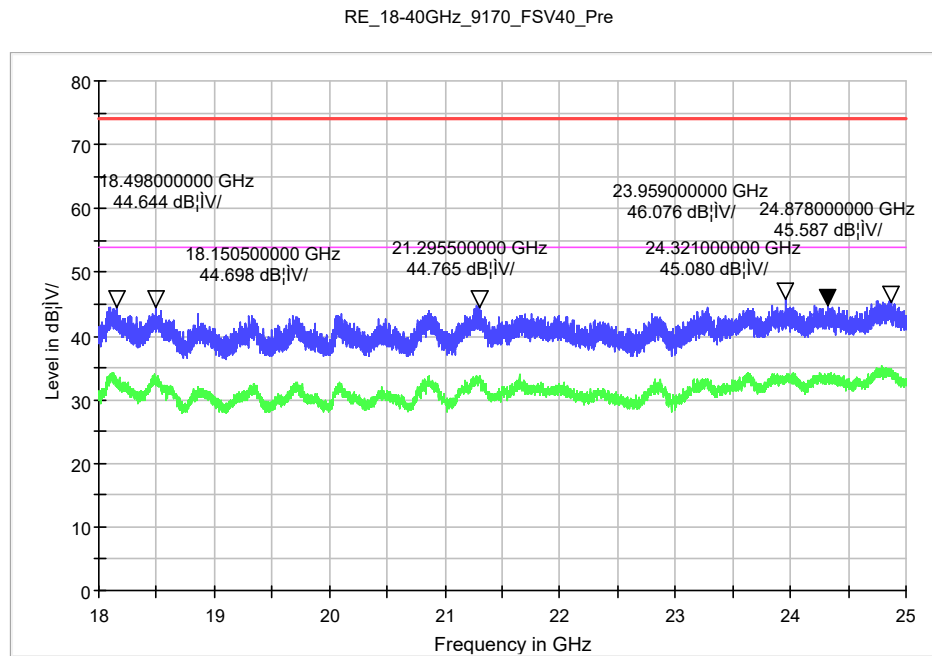
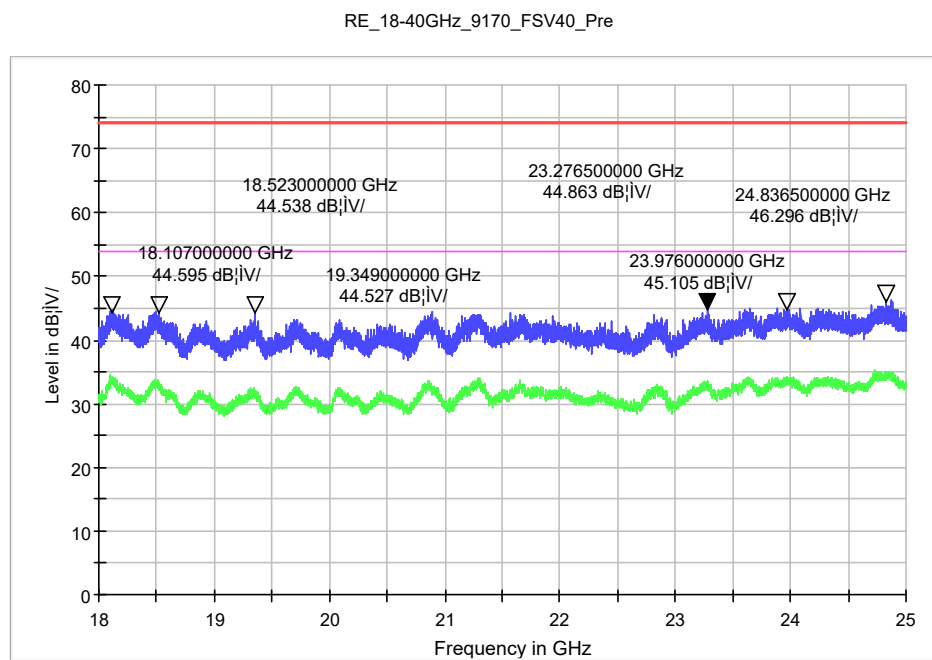
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