

Prüfbericht-Nr.: Test report no.:	CN24GO1D 001	Auftrags-Nr.: Order no.:	180273092	Seite 1 von 43 Page 1 of 43
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2023.10.10	
Auftraggeber: Client:	SUNTEK-GROUP, INC 4648 Troy Ct Riverside, CA 92509 United States			
Prüfgegenstand: Test item:	Robotic Lawn Mower			
Bezeichnung / Typ-Nr.: Identification / Type no.:	uRM1060, uRM1060.x, uRM1100, uRM1100.x (x=0-9, u=A-Z)			
Auftrags-Inhalt: Order content:	TÜV Rheinland – FCC Service			
Prüfgrundlage: Test specification:	FCC 47 CFR Part 15.203 FCC 47 CFR Part 15.247			
Wareneingangsdatum: Date of sample receipt:	2024.02.20	Refer to Photo Documentation		
Prüfmuster-Nr.: Test sample no.:	A003613463-001			
Prüfzeitraum: Testing period:	2024.02.28 - 2024.03.08			
Ort der Prüfung: Place of testing:	Refer to section 1.1			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland / CCIC (Ningbo) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:	genehmigt von: authorized by:			
Datum: Date:	2024.12.31	Ausstelldatum: Issue date:	2024.12.31	
Stellung / Position:	Keda Zhou/PE	Stellung / Position:	Chonghai Liang/Authorizer	
Sonstiges / Other:	FCC ID: 2BDQH-SRM001 Series 1060 and 1100 are the same except for battery capacity, so all the tests were performed on model SRM1100.			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: 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>				

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Anmerkungen Remarks

- | | |
|---|--|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.
Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p> |
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| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.
Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.
Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p> |
| 4 | <p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</p> <p><i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i></p> |

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Test Summary

4.1.1 ANTENNA REQUIREMENT

Result:

Pass

4.1.2 6dB BANDWIDTH MEASUREMENT

Result:

Pass

4.1.3 MAXIMUM CONDUCTED OUTPUT POWER

Result:

Pass

4.1.4 POWER SPECTRAL DENSITY

Result:

Pass

4.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

Result:

Pass

4.1.6 RADIATED EMISSION

Result:

Pass

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1. Test Sites

1.1 Test Facilities

Laboratory: TÜV Rheinland /CCIC (Ningbo) Co., Ltd.

1st Floor, Building 11, Scholar Innovation Park, No.1188 Zhongguan Road, Zhenhai District, Ningbo 315200 P.R. China

FCC Designation Number: CN1237

FCC Test Firm Registration Number: 647754

The used test equipment is in accordance with CISPR 16-1 series standards.

1.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment, Laboratory

Kind of Equipment	Type	Serial No.	Last cal. date	Cal. due date
EMI test receiver	ESR7	101929	2023.10.30	2024.10.29
Spectrum analyzer	FSV40	101412	2023.10.30	2024.10.29
Bilog Antenna	CBL6112D	49033	2024.03.17	2027.03.16
Horn antenna	HF907	102653	2023.07.20	2026.07.19
Broad-Band Horn Antenna	BBHA 9170	899	2024.01.05	2027.01.04
Pre-amplifier	SCU-18F	180051	2023.10.30	2024.10.29
Pre-amplifier	LNPA_1840G-50	SK2021040801	2023.10.30	2024.10.29
RF control Unit	JS0806-2	22G8060598	2023.11.03	2024.11.02
Mains control unit	JS0806-4ADC	21L8060536	2023.10.30	2024.10.29

1.3 Uncertainty of Measurement

Table 2: Measurement Uncertainty

Test Item	Expanded Measurement Uncertainty (k=2)
Conducted Emission (9-150kHz)	3.70dB
Conducted Emission (150k-30MHz)	3.30dB
Occupied Channel Bandwidth	±5 %
Radiated Emission (30-1000MHz)	4.39dB
Radiated Emission (1-18GHz)	4.67dB

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2. General Product Information

2.1 Product Function and Intended Use

The EUT (equipment under test) is a Robotic Lawn Mower operated at 2400-2483.5MHz.

For more detail information, refer to the user's manual.

2.2 Ratings and System Details

Table 3: General Description of EUT

General Description of EUT	
Charging Voltage:	DC 20.5V
Internal battery Voltage:	DC 18V
Protection Class:	Class III
Technical Specification of Bluetooth (BLE)	
Frequency Range:	2402 – 2480MHz
Modulation Type:	GFSK
Data Rate:	1Mbps
Channel:	0-39
Antenna Type:	External PCB Antenna with IPEX
Antenna Gain:	1.8dBi
Technical Specification of Wi-Fi(2.4GHz)	
Frequency Range:	2412 – 2462MHz
Modulation Type:	802.11b: DSSS 802.11g/n-HT20: OFDM
Channel:	802.11b/g/n-HT20: 1-11
Data Rate:	802.11b: 11 Mbps max. 802.11g: 54 Mbps max. 802.11n-HT20: MCS7 max.
Antenna Type:	External PCB Antenna with IPEX
Antenna Gain:	1.8dBi

Table 4: Channel List

Channel List for BLE							
Ch.	Freq. (MHz)	Ch.	Freq. (MHz)	Ch.	Freq. (MHz)	Ch.	Freq. (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472

6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480
Channel List for Wi-Fi 802.11b/g/n-HT20							
Ch.	Freq. (MHz)	Ch.	Freq. (MHz)	Ch.	Freq. (MHz)	Ch.	Freq. (MHz)
1	2412	5	2432	9	2452		
2	2417	6	2437	10	2457		
3	2422	7	2442	11	2462		
4	2427	8	2447				

2.3 Independent Operation Modes

There are some modes:

Mode A: Transmitting continuously of BLE_1MHz

1. Channel 2402MHz
2. Channel 2440MHz
3. Channel 2480MHz

Mode B: Transmitting continuously of Wi-Fi_11b

1. Channel 2412MHz
2. Channel 2432MHz
3. Channel 2462MHz

Mode C: Transmitting continuously of Wi-Fi_11g

1. Channel 2412MHz
2. Channel 2432MHz
3. Channel 2462MHz

Mode D: Transmitting continuously of Wi-Fi_11n-HT20

1. Channel 2412MHz
2. Channel 2432MHz
3. Channel 2462MHz

Refer to the user's manual for further information.

2.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram for further information.

2.5 Submitted Documents

Circuit diagram, label, user manual etc.

3. Test Set-up and Operation Modes

3.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

3.2 Test Operation and Test Software

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power was selected according to the instruction given by the manufacturer. The setting of the RF output power expected by the customer shall be fixed on the firmware of the final end product.

All testing were performed according to the procedures in ANSI C63.10: 2020.

Test Software EMC32 V10.30 was used in the radiated emission test.

More details refer to the related paragraph of this report.

3.3 Special Accessories and Auxiliary Equipment

Table 5: List of Auxiliary Equipment

Description	Manufacturer	Model No.
Notebook	Lenovo	ThinkPad X380 Yoga

3.4 Countermeasures to Achieve ERM Compliance

The test sample which has been tested contained the noise suppression parts as described in the Circuit Diagram. No additional measures were employed to achieve compliance.

3.5 Test set-up

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

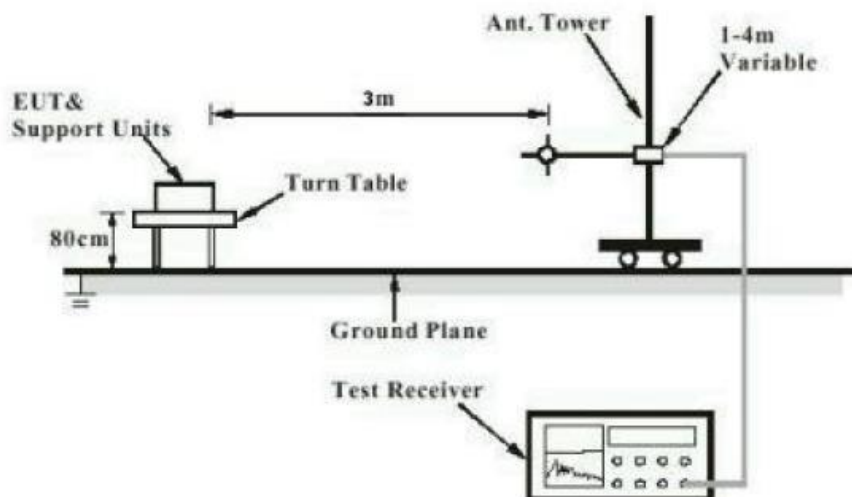


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

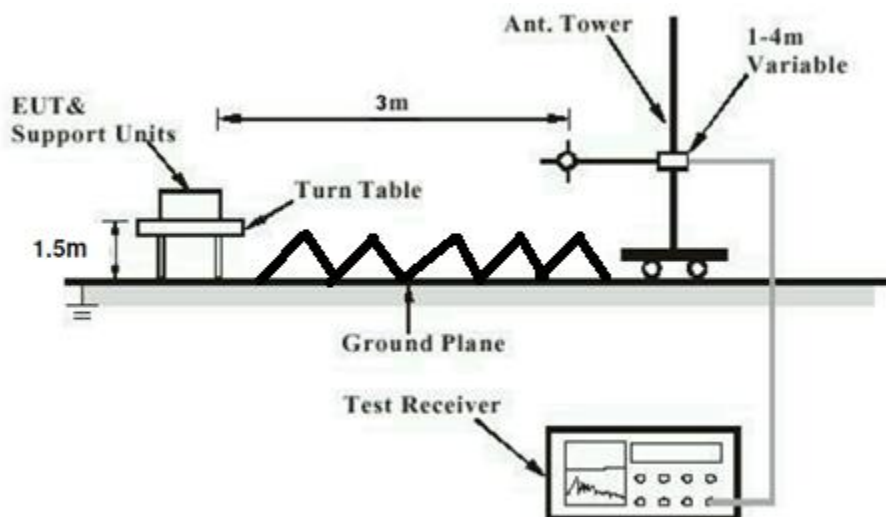
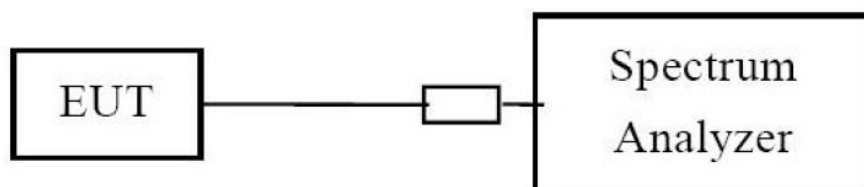


Diagram of Measurement Configuration for Conducted Transmitter Measurement



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4. Test Results

4.1 Transmitter Requirement & Test Suites

4.1.1 Antenna Requirement

Result:

Pass

Test Specification

Test standard

Limit

: FCC 47 CFR Part 15.203

: FCC: the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has an integral antenna (External PCB Antenna, Antenna Gain: 1.8dBi), and no consideration of replacement. Therefore, the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

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4.1.2 6dB Bandwidth Measurement

Result:

Pass

Test Specification

Test standard : FCC 47 CFR Part 15.247 (a)(2)
Basic standard : ANSI C63.10: 2020, Clause 11.8.1
Limits : At least 500kHz
Kind of test site : Shielded Room

Test Setup

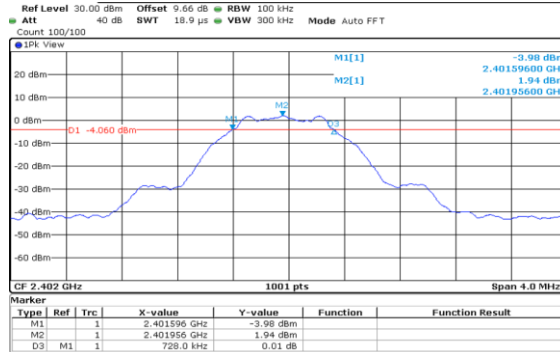
Date of testing : 2024.02.28
Input voltage : DC 18V
Operational mode : Refer to below table
Temperature : 23°C
Relative humidity : 56%
Atmospheric pressure : 101.2 kPa

Table 6: Test result of 6dB Bandwidth

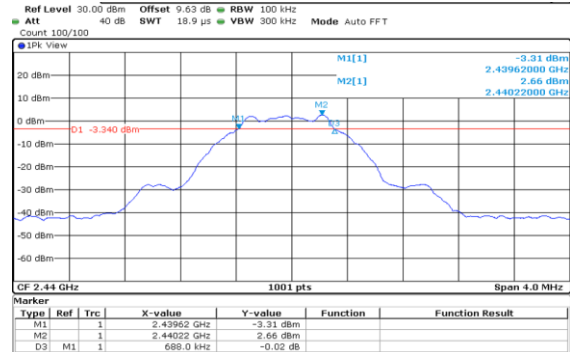
Mode	Bandwidth (kHz)	Limit (kHz)	Verdict
A.1	728	≥ 500	Pass
A.2	688	≥ 500	Pass
A.3	732	≥ 500	Pass
B.1	9080	≥ 500	Pass
B.2	10040	≥ 500	Pass
B.3	9080	≥ 500	Pass
C.1	16320	≥ 500	Pass
C.2	16320	≥ 500	Pass
C.3	16360	≥ 500	Pass
D.1	17560	≥ 500	Pass
D.2	17520	≥ 500	Pass
D.3	17560	≥ 500	Pass

Figure 1: 6dB Bandwidth Measurement

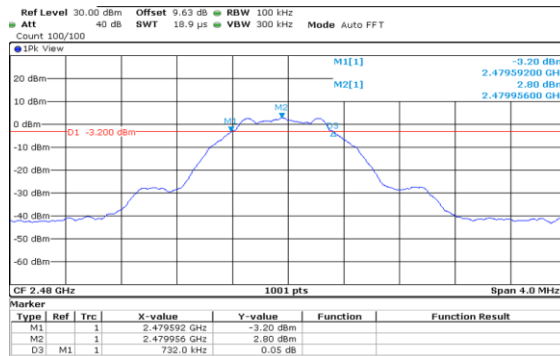
A.1



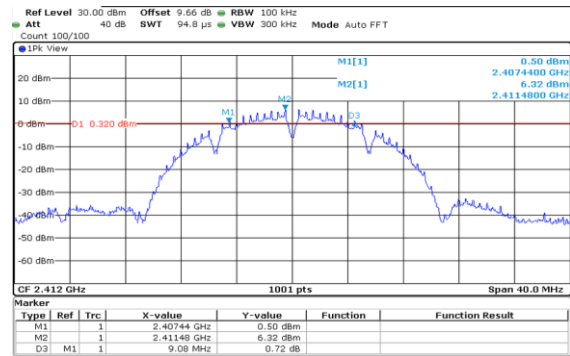
A.2



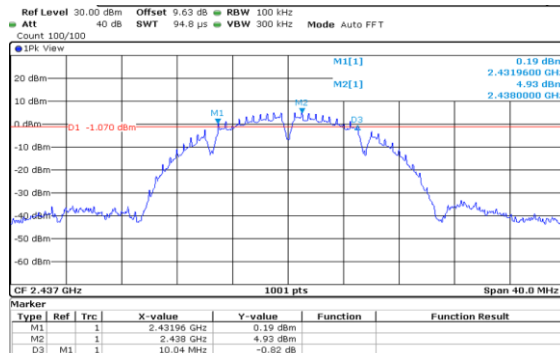
A.3



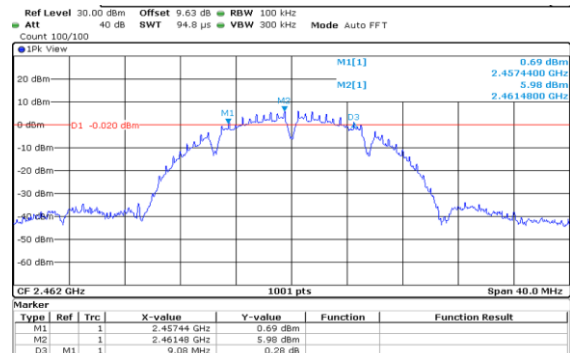
B.1



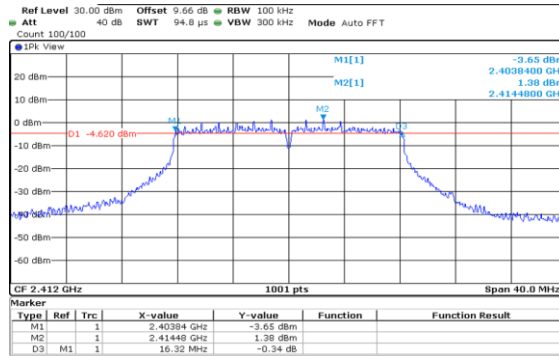
B.2



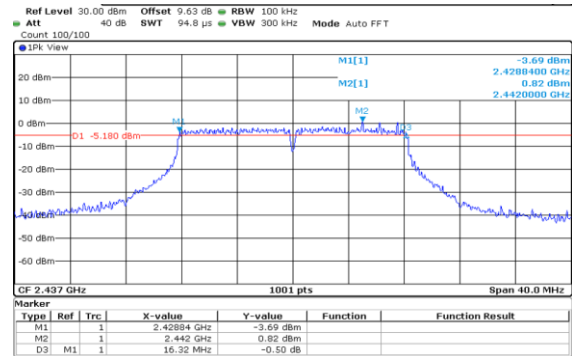
B.3



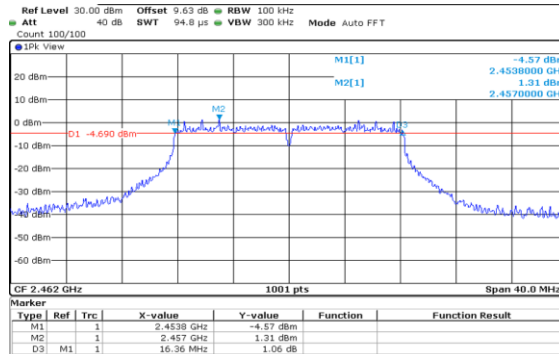
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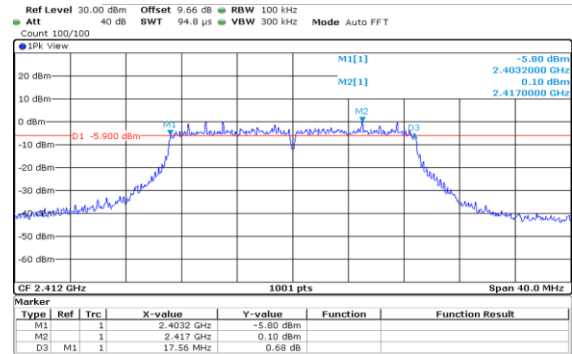
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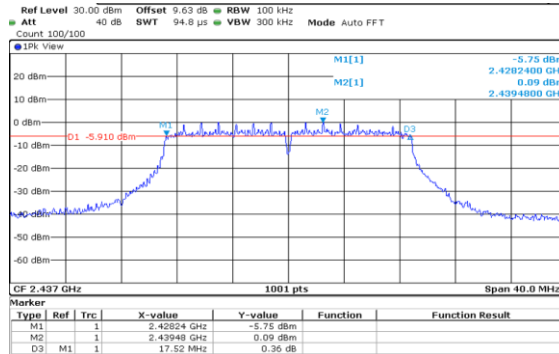
C.3



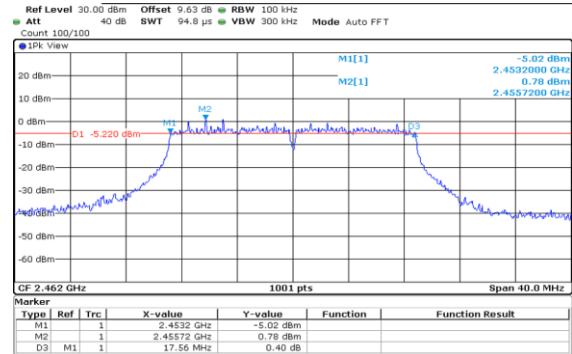
D.1



D.2



D.3



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4.1.3 Maximum Conducted Output Power

Result:

Pass

Test Specification

Test standard : FCC 47 CFR Part 15.247 (b)(3)
Basic standard : ANSI C63.10: 2020, Clause 11.9.2.2
Limits : Not more than 1Watt(30dBm)
Kind of test site : Shielded Room

Test Setup

Date of testing : 2024.02.28
Input voltage : DC 18V
Operational mode : Refer to below table
Temperature : 23°C
Relative humidity : 56%
Atmospheric pressure : 101.2 kPa

Table 7: Test result of Maximum Conducted Output Power

Mode	Output Power (dBm)	Limit (dBm)	Verdict
A.1	2.91	≤30	Pass
A.2	3.27	≤30	Pass
A.3	3.77	≤30	Pass
B.1	14.99	≤30	Pass
B.2	14.65	≤30	Pass
B.3	14.78	≤30	Pass
C.1	12.64	≤30	Pass
C.2	12.62	≤30	Pass
C.3	13.32	≤30	Pass
D.1	11.83	≤30	Pass
D.2	11.57	≤30	Pass
D.3	12.42	≤30	Pass

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4.1.4 Power Spectral Density

Result:

Pass

Test Specification

Test standard : FCC 47 CFR Part 15.247 (e)

Basic standard : ANSI C63.10: 2020, Clause 11.10.3

Limits : Not more than 8 dBm in any 3 kHz band

Kind of test site : Shielded Room

Test Setup

Date of testing : 2024.02.28

Input voltage : DC 18V

Operational mode : Refer to below table

Temperature : 23°C

Relative humidity : 56%

Atmospheric pressure : 101.2 kPa

Table 8: Test result of Power Spectral Density

Mode	Power Spectral Density (dBm/3KHz)	Limit (dBm/3KHz)	Verdict
A.1	-12.50	≤ 8	Pass
A.2	-11.45	≤ 8	Pass
A.3	-12.45	≤ 8	Pass
B.1	-16.93	≤ 8	Pass
B.2	-17.36	≤ 8	Pass
B.3	-17.30	≤ 8	Pass
C.1	-18.80	≤ 8	Pass
C.2	-19.28	≤ 8	Pass
C.3	-18.48	≤ 8	Pass
D.1	-20.22	≤ 8	Pass
D.2	-20.22	≤ 8	Pass
D.3	-19.55	≤ 8	Pass

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4.1.5 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Result:

Pass

Test Specification

Test standard : FCC 47 CFR Part 15.247 (d)

Basic standard : ANSI C63.10: 2020, Clause 11.11

Limits : 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power)

Kind of test site : Shielded Room

Test Setup

Date of testing : 2024.02.28

Input voltage : DC 18V

Operational mode : A.1, A.2, A.3, B.1, B.2, B.3, C.1, C.2, C.3, D.1, D.2, D.3

Temperature : 23°C

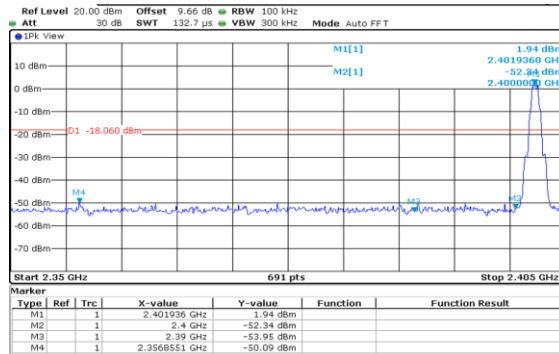
Relative humidity : 56%

Atmospheric pressure : 101.2 kPa

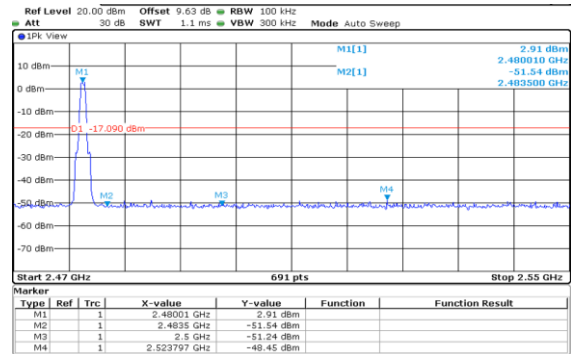
All emissions are more than 20dB below fundamental, compliance is achieved as well.

Figure 2: Band Edge

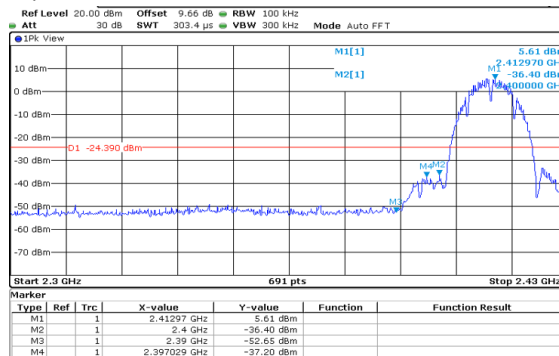
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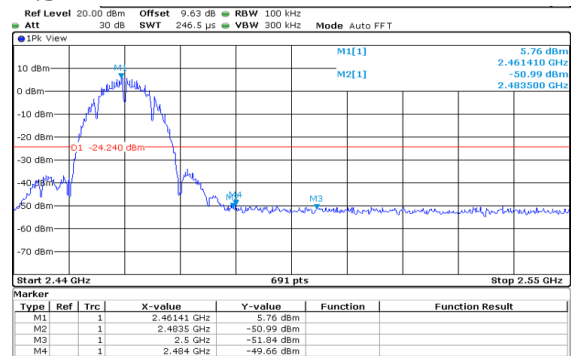
A.3



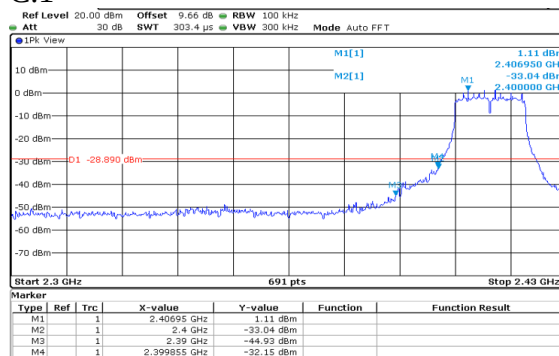
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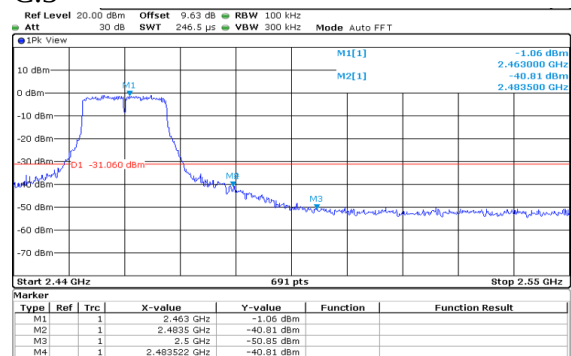
B.3



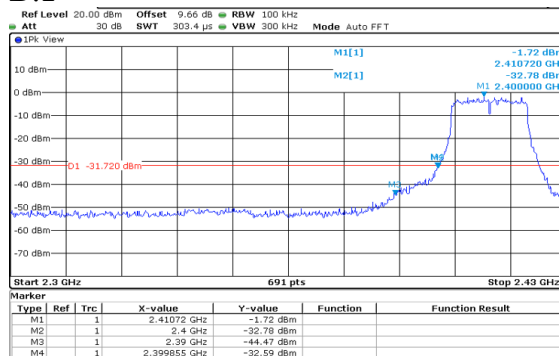
C.1



C.3



D.1



D.3

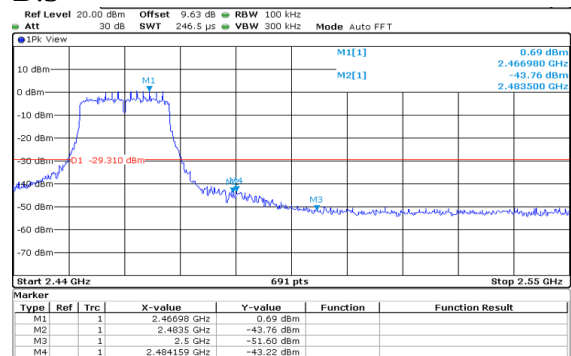
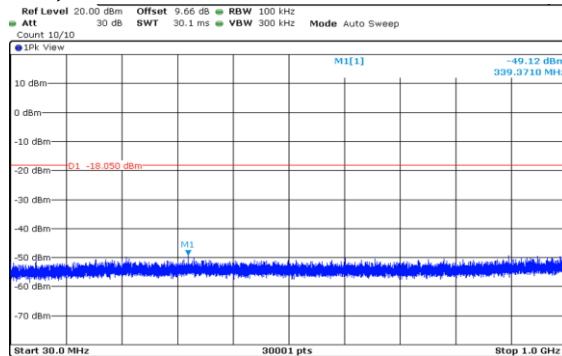
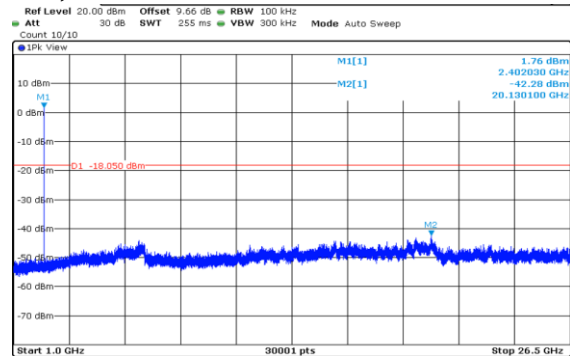


Figure 3: Conducted Spurious Emission

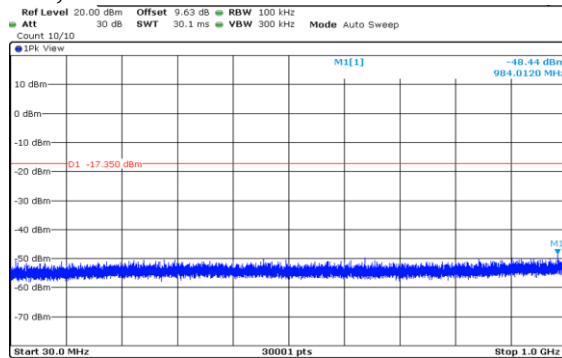
A.1, 30MHz-1000MHz



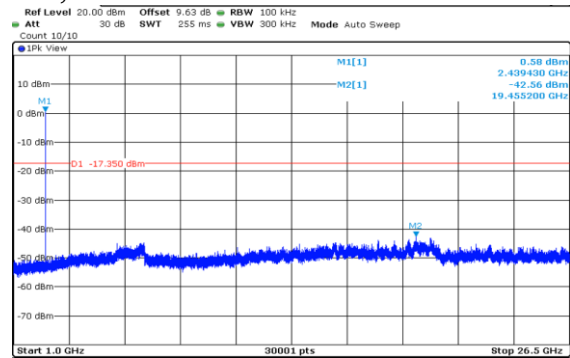
A.1, 1GHz-26.5GHz



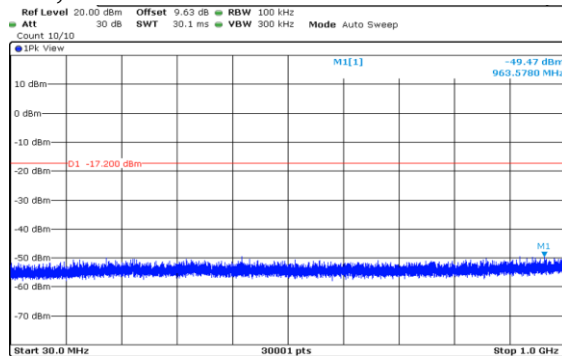
A.2, 30MHz-1000MHz



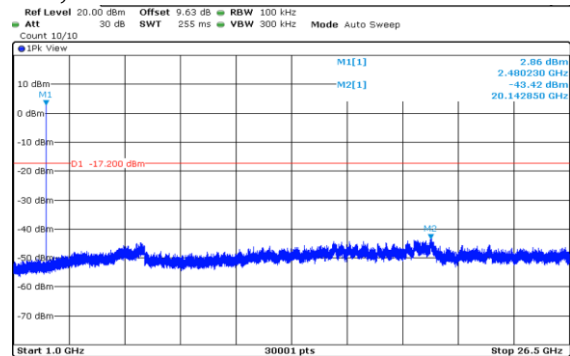
A.2, 1GHz-26.5GHz



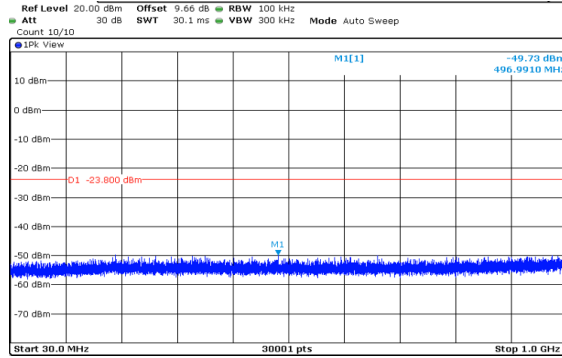
A.3, 30MHz-1000MHz



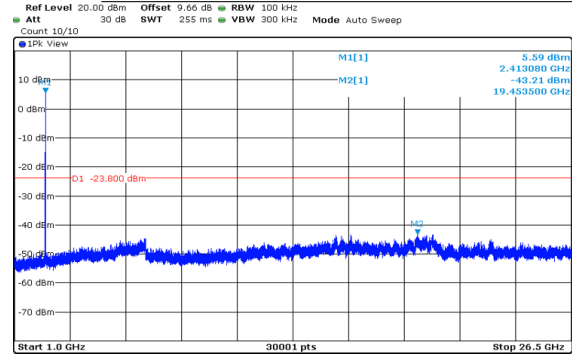
A.3, 1GHz-26.5GHz



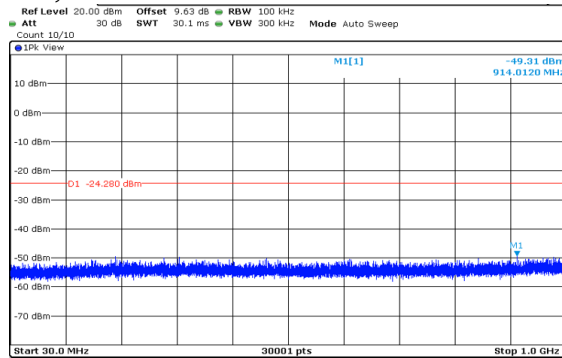
B.1, 30MHz-1000MHz



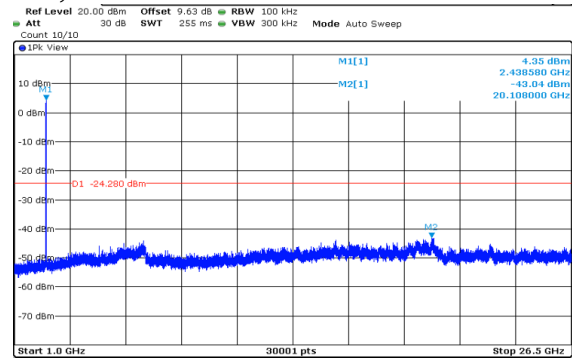
B.1, 1GHz-26.5GHz



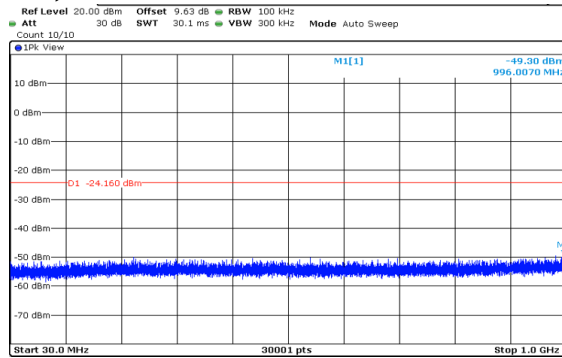
B.2, 30MHz-1000MHz



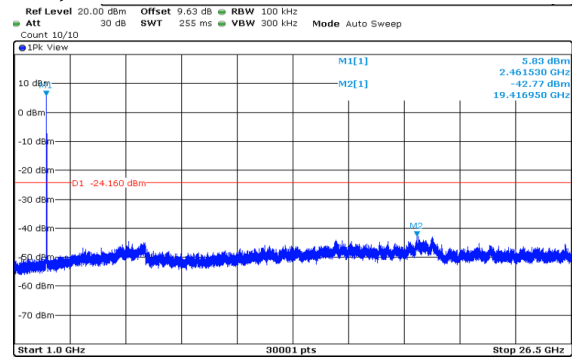
B.2, 1GHz-26.5GHz



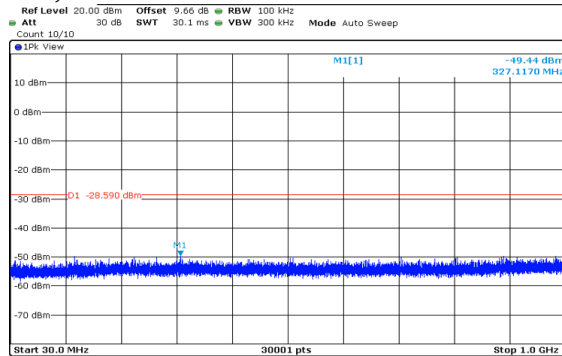
B.3, 30MHz-1000MHz



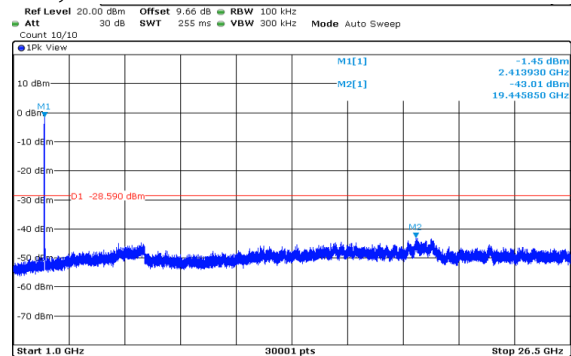
B.3, 1GHz-26.5GHz



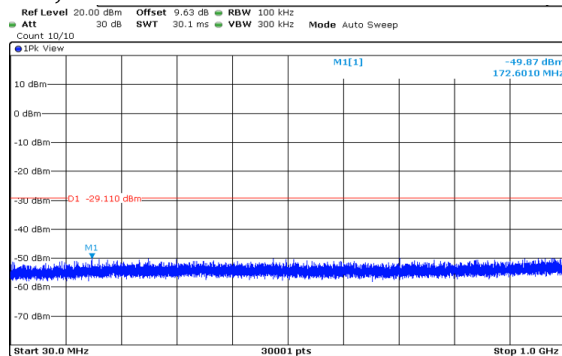
C.1, 30MHz-1000MHz



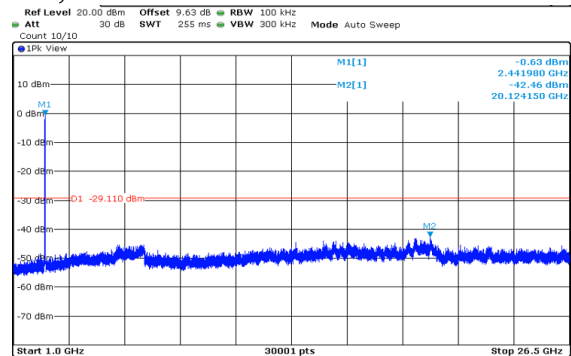
C.1, 1GHz-26.5GHz



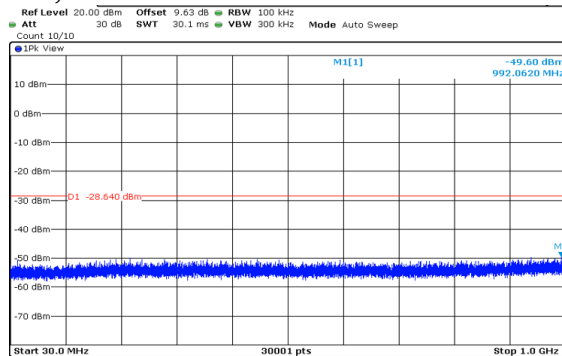
C.2, 30MHz-1000MHz



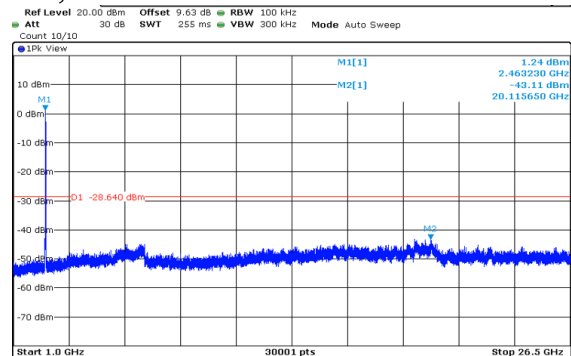
C.2, 1GHz-26.5GHz



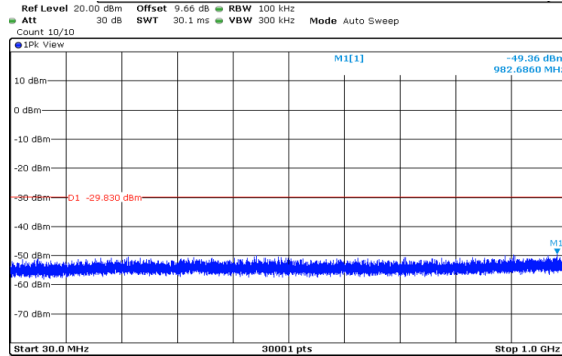
C.3, 30MHz-1000MHz



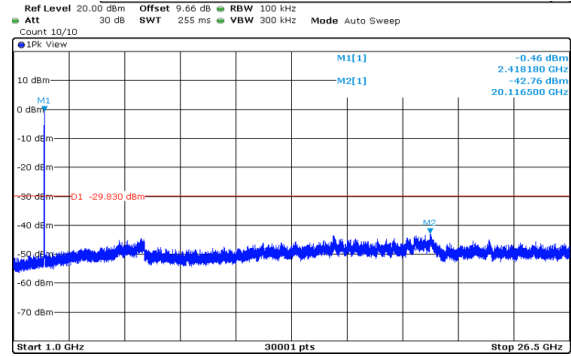
C.3, 1GHz-26.5GHz



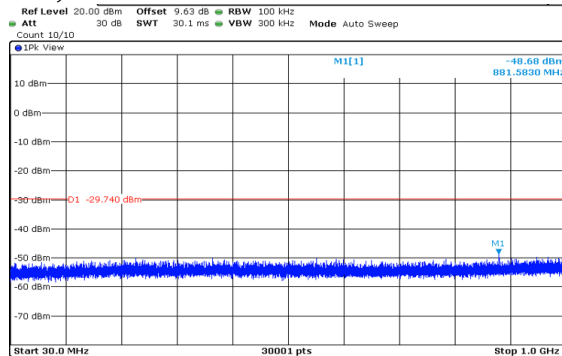
D.1, 30MHz-1000MHz



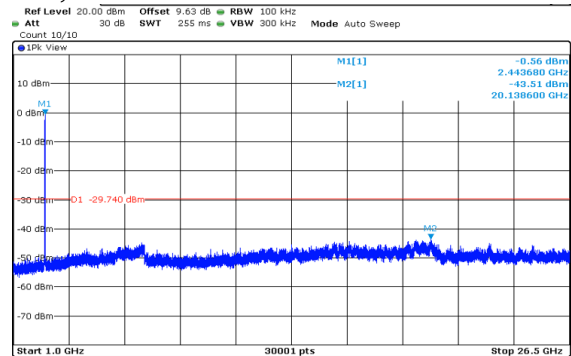
D.1, 1GHz-26.5GHz



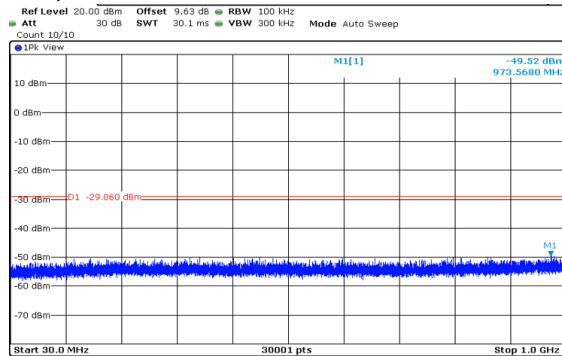
D.2, 30MHz-1000MHz



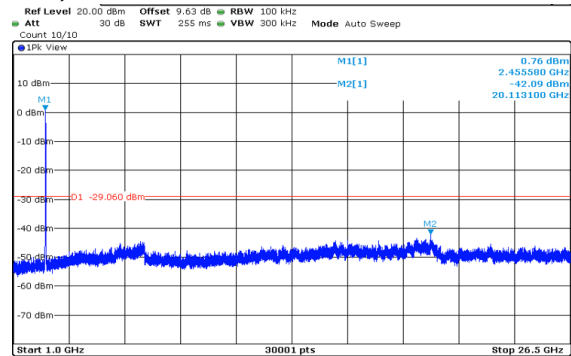
D.2, 1GHz-26.5GHz



D.3, 30MHz-1000MHz



D.3, 1GHz-26.5GHz



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4.1.6 Radiated Emission

Result:

Pass

Test Specification

Test standard : CFR47 FCC Part 15.209

Basic standard : ANSI C63.10: 2020, Clause 11.12

Port : Enclosure

Frequency range : 30MHz-10th Harmonic for intentional radiator

Limits : CFR47 FCC Part 15.205

CFR47 FCC Part 15.209

Kind of test site : 3m Semi-anechoic Chamber

Test Setup

Date of testing : 2024.03.07-2024.03.12

Input voltage : DC 18V

Operational mode : A.1, A.2, A.3, B.1, B.2, B.3, C.1, C.2, C.3, D.1, D.2, D.3,

Temperature : 21°C

Relative humidity : 63%

Atmospheric pressure : 101.2 kPa

The result of Emissions in Restricted Bands:

The conducted measurement result in graph has considered the antenna gain.

The limit in dBm for average detector is conversion from 54dBuV/m using the following formula. The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

$E = EIRP - 20 \log d + 104.8$; where

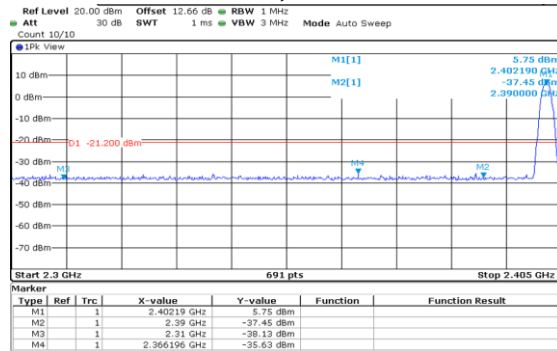
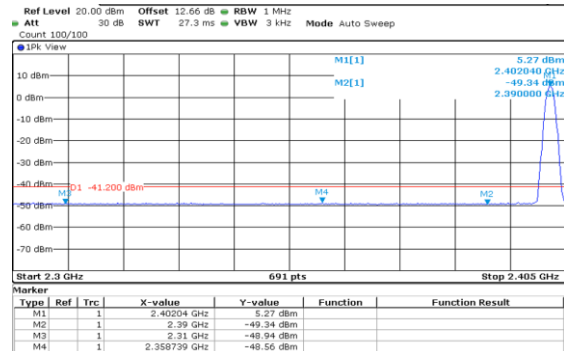
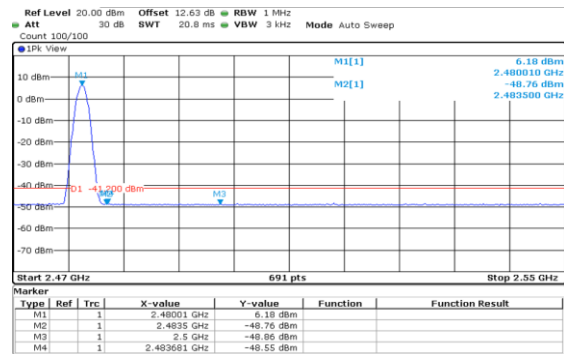
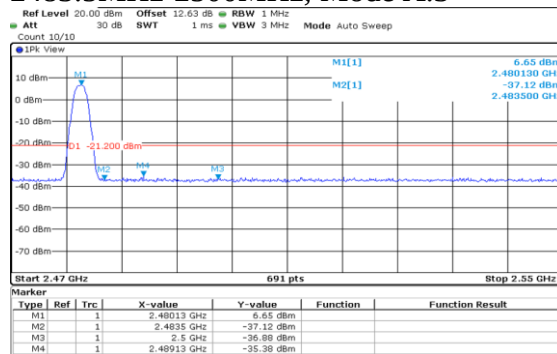
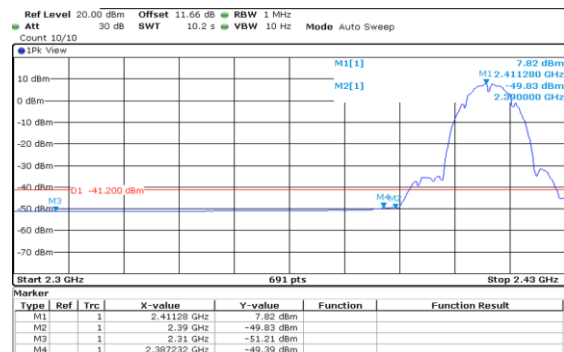
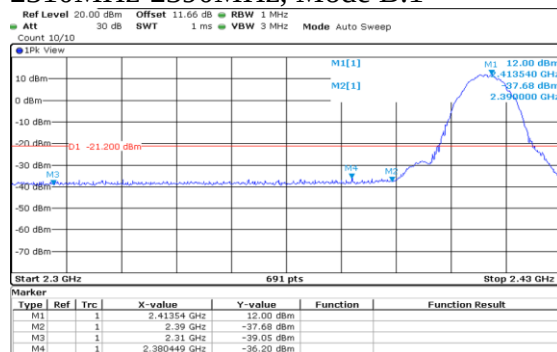
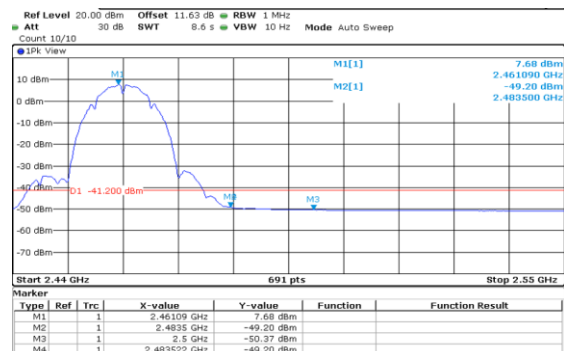
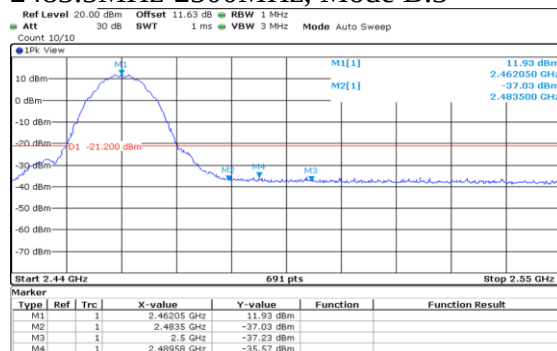
E is the electric field strength in dBuV/m

EIRP is the equivalent isotropically radiated power in dBm

d is the specified measurement distance in m

The result of Radiated Spurious Emission:

The radiated measurement result is calculated based on the following formula by the test software: Emission Level = Reading level + Correction (Antenna factor + Cable loss Preamplifier)

Figure 4: Spectral Diagrams, Restricted frequency bands
Peak
2310MHz-2390MHz, Mode A.1

Quasi-peak

2483.5MHz-2500MHz, Mode A.3

2310MHz-2390MHz, Mode B.1

2483.5MHz-2500MHz, Mode B.3


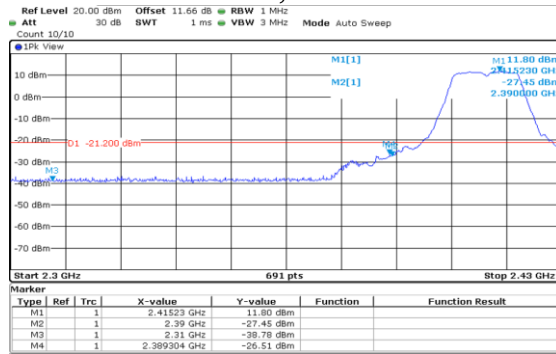
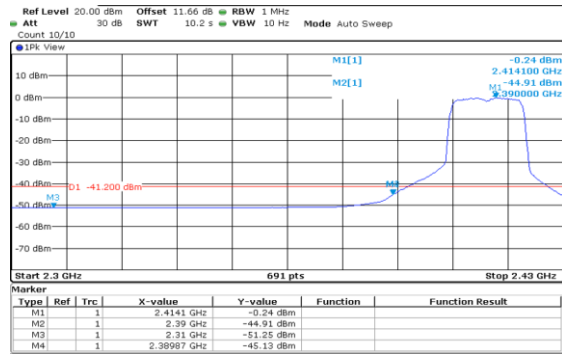
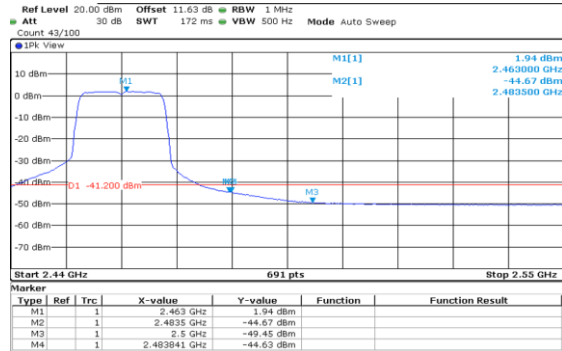
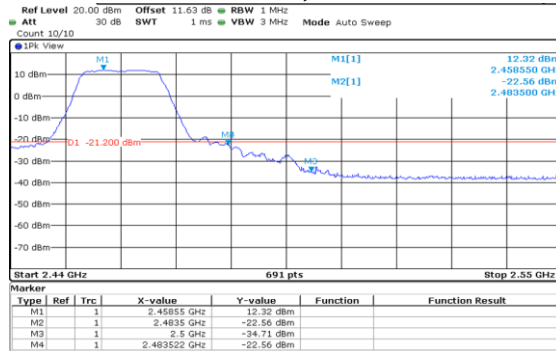
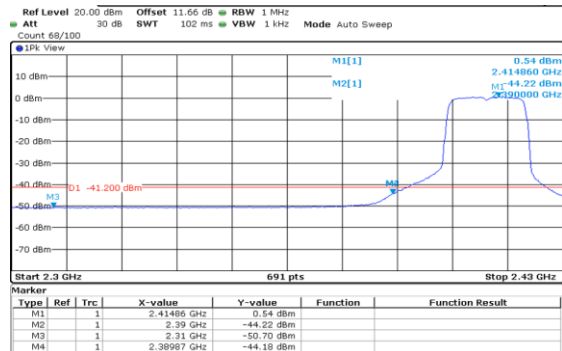
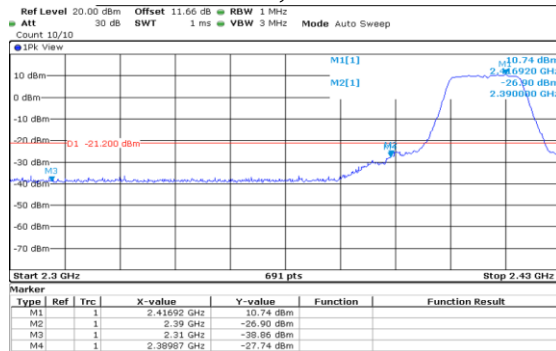
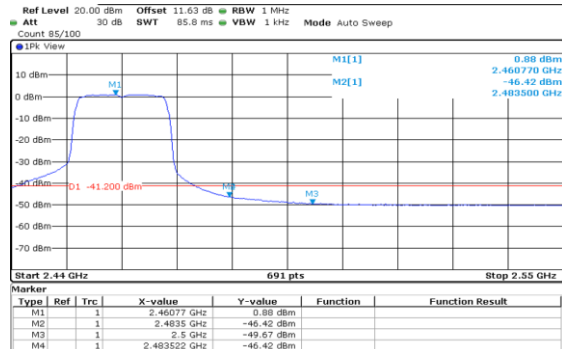
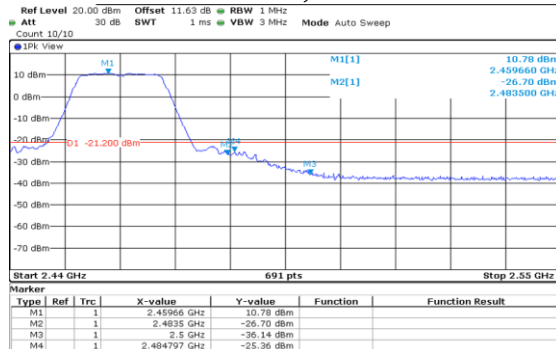
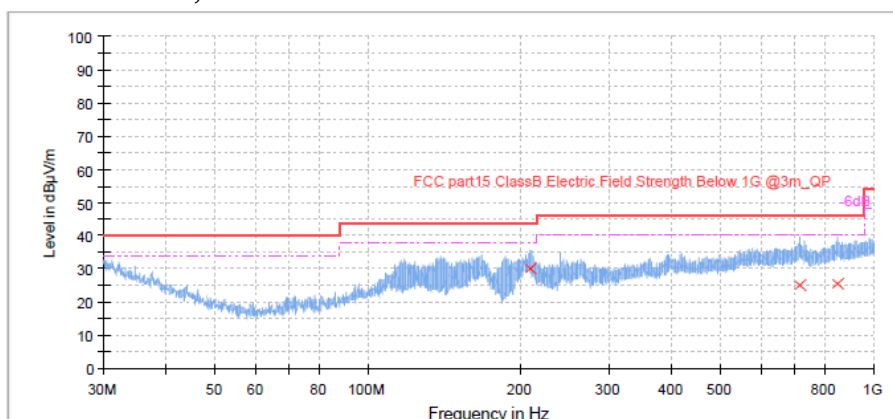
Peak
2310MHz-2390MHz, Mode C.1

Quasi-peak

2483.5MHz-2500MHz, Mode C.3

2310MHz-2390MHz, Mode D.1

2483.5MHz-2500MHz, Mode D.3


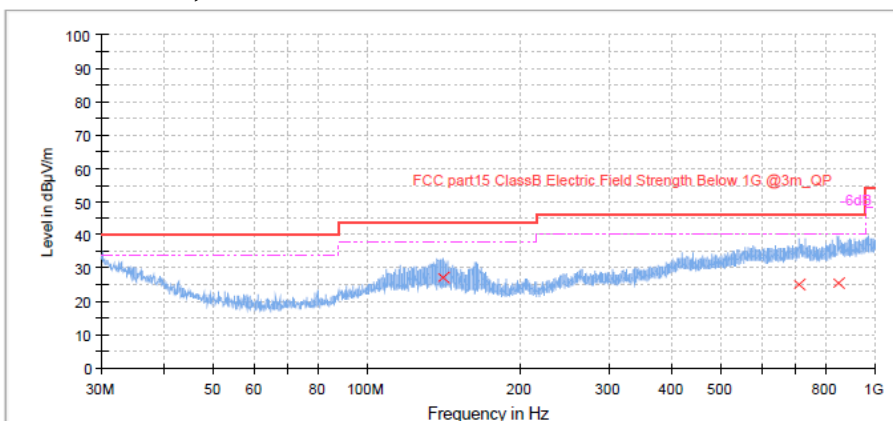
Figure 5: Spectral Diagrams, Radiated Spurious Emission, Mode A.1

30MHz-1000MHz, Horizontal

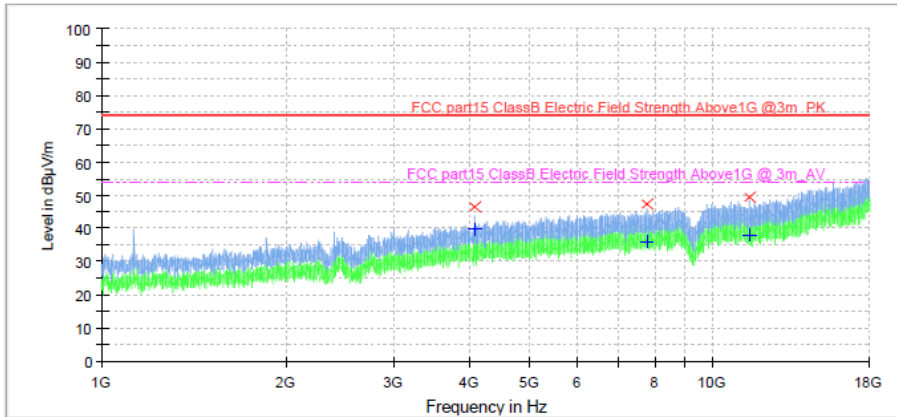

Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
209.990000	30.1	1000.0	120.000	100.0	H	11.0	16.8	13.4	43.5
715.630000	25.1	1000.0	120.000	100.0	H	11.0	27.8	20.9	46.0
846.310000	25.5	1000.0	120.000	100.0	H	11.0	29.3	20.5	46.0

30MHz-1000MHz, Vertical


Limit and Margin

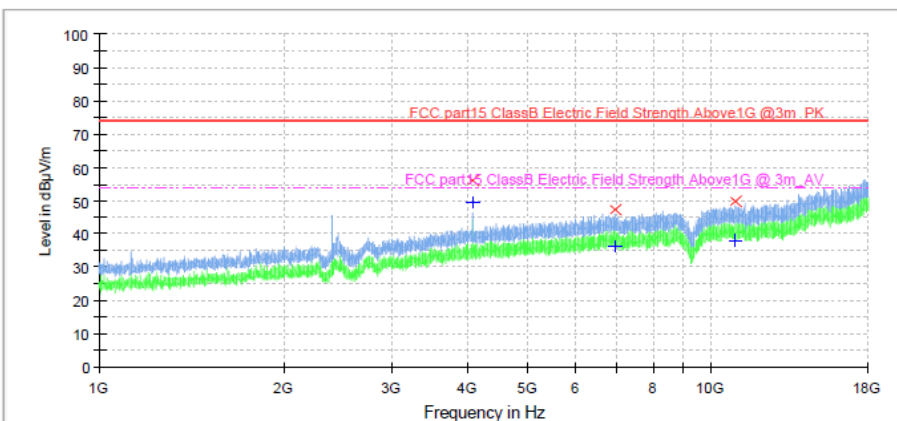
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
140.800000	27.1	1000.0	120.000	100.0	V	11.0	18.5	16.4	43.5
710.560000	25.1	1000.0	120.000	100.0	V	11.0	27.8	20.9	46.0
846.310000	25.5	1000.0	120.000	100.0	V	11.0	29.3	20.5	46.0

1GHz-18GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4064.250000	46.4	1000.0	1000.000	150.0	H	0.0	1.4	27.6	74.0
7779.280000	47.5	1000.0	1000.000	150.0	H	0.0	8.0	26.5	74.0
11476.250000	49.5	1000.0	1000.000	150.0	H	0.0	11.3	24.5	74.0

Limit and Margin-AV

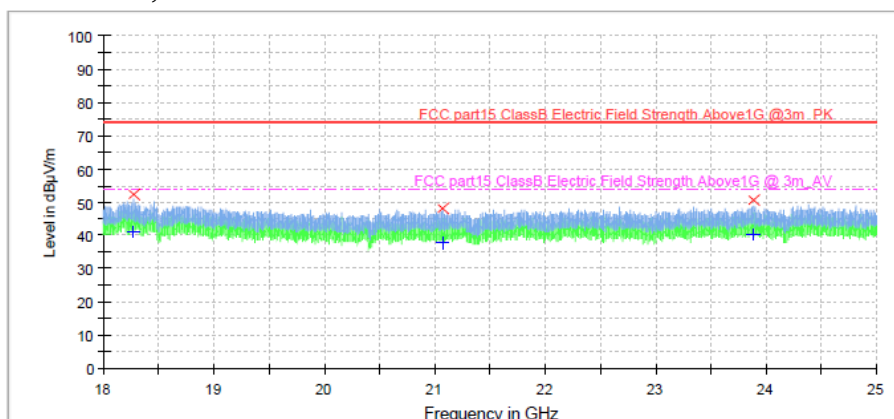
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4064.250000	39.7	1000.0	1000.000	150.0	H	0.0	1.4	14.3	54.0
7779.280000	36.1	1000.0	1000.000	150.0	H	0.0	8.0	17.9	54.0
11476.250000	38.1	1000.0	1000.000	150.0	H	0.0	11.3	15.9	54.0

1GHz-18GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4064.250000	56.1	1000.0	1000.000	150.0	V	0.0	1.4	17.9	74.0
6962.750000	47.1	1000.0	1000.000	150.0	V	0.0	7.2	26.9	74.0
10899.845000	49.8	1000.0	1000.000	150.0	V	0.0	11.4	24.2	74.0

Limit and Margin-AV

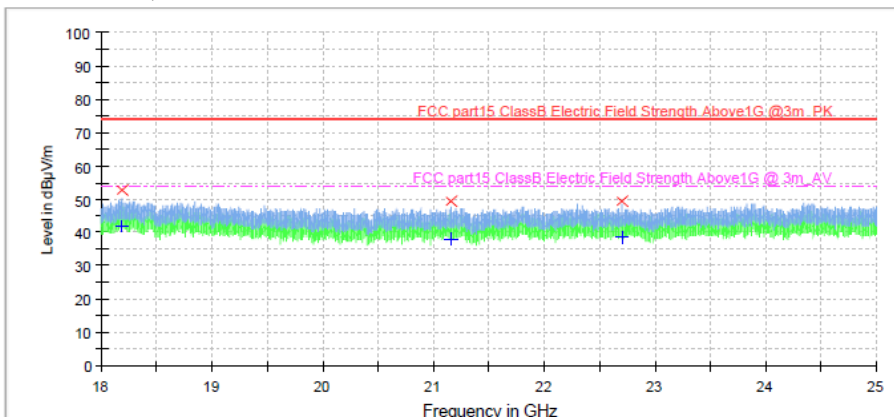
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4064.250000	49.5	1000.0	1000.000	150.0	V	0.0	1.4	4.5	54.0
6962.750000	36.3	1000.0	1000.000	150.0	V	0.0	7.2	17.7	54.0
10899.845000	38.2	1000.0	1000.000	150.0	V	0.0	11.4	15.8	54.0

18GHz-25GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18275.185000	52.4	1000.0	1000.000	150.0	H	0.0	-6.6	21.6	74.0
21072.780000	48.2	1000.0	1000.000	150.0	H	0.0	-8.0	25.8	74.0
23881.095000	50.5	1000.0	1000.000	150.0	H	0.0	-5.1	23.5	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18275.185000	41.2	1000.0	1000.000	150.0	H	0.0	-6.6	12.8	54.0
21072.780000	37.6	1000.0	1000.000	150.0	H	0.0	-8.0	16.4	54.0
23881.095000	40.0	1000.0	1000.000	150.0	H	0.0	-5.1	14.0	54.0

18GHz-25GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18179.810000	52.6	1000.0	1000.000	150.0	V	0.0	-6.4	21.4	74.0
21153.500000	49.4	1000.0	1000.000	150.0	V	0.0	-7.9	24.6	74.0
22697.655000	49.5	1000.0	1000.000	150.0	V	0.0	-5.9	24.5	74.0

Limit and Margin-AV

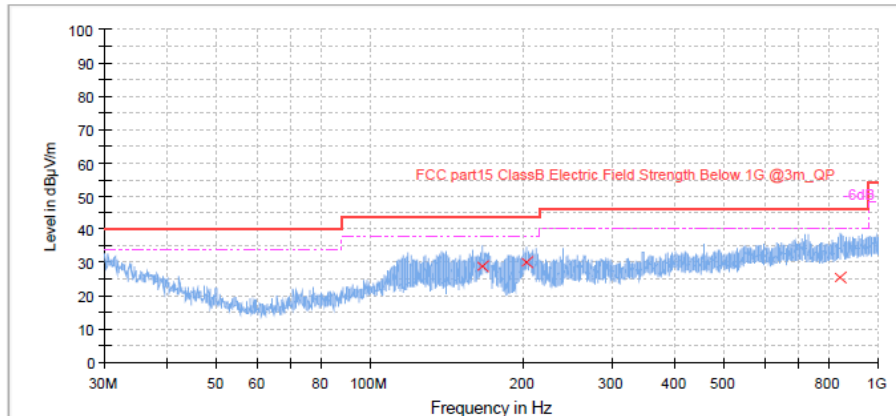
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18179.810000	41.9	1000.0	1000.000	150.0	V	0.0	-6.4	12.1	54.0
21153.500000	38.2	1000.0	1000.000	150.0	V	0.0	-7.9	15.8	54.0
22697.655000	38.7	1000.0	1000.000	150.0	V	0.0	-5.9	15.3	54.0

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Figure 6: Spectral Diagrams, Radiated Spurious Emission, Mode A.2

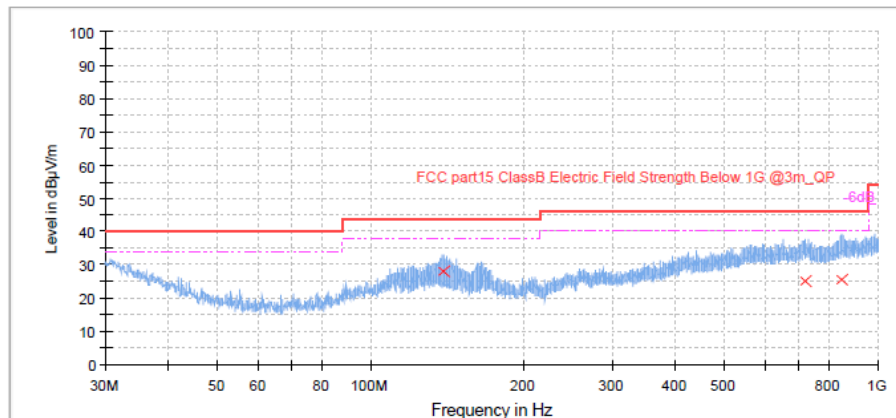
30MHz-1000MHz, Horizontal



Limit and Margin

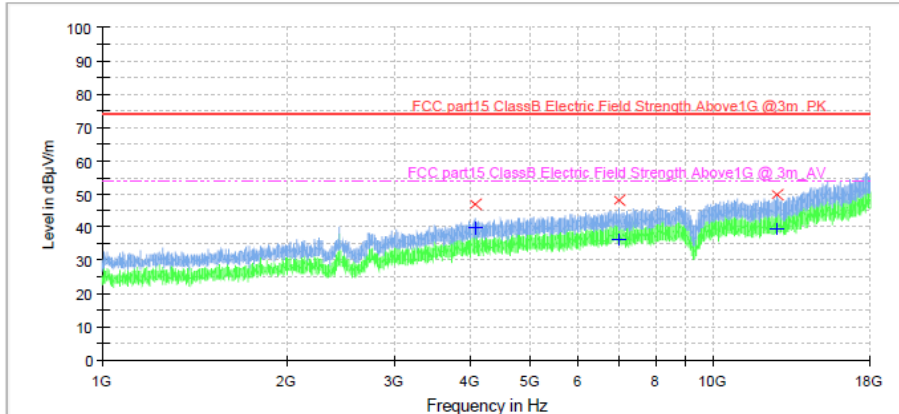
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
166.390000	28.8	1000.0	120.000	100.0	H	11.0	17.1	14.7	43.5
203.630000	30.1	1000.0	120.000	100.0	H	11.0	17.0	13.4	43.5
844.850000	25.4	1000.0	120.000	100.0	H	11.0	29.4	20.6	46.0

30MHz-1000MHz, Vertical



Limit and Margin

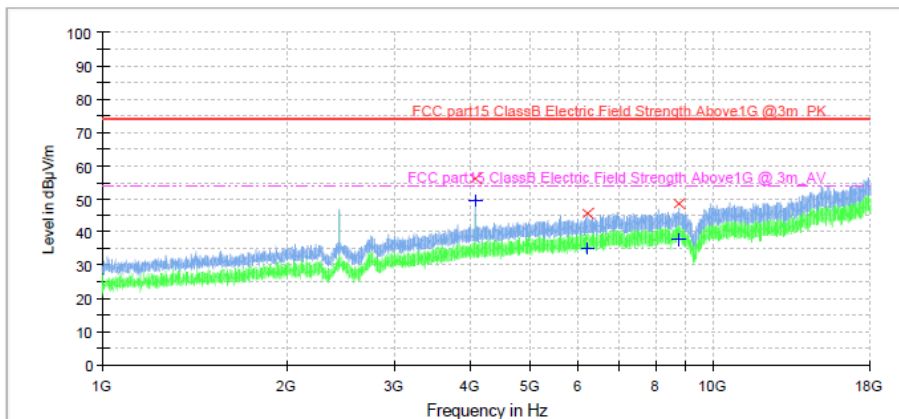
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
139.560000	28.0	1000.0	120.000	100.0	V	11.0	18.5	15.5	43.5
720.370000	25.1	1000.0	120.000	100.0	V	11.0	27.8	20.9	46.0
845.610000	25.4	1000.0	120.000	100.0	V	11.0	29.3	20.6	46.0

1GHz-18GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4064.250000	46.8	1000.0	1000.000	150.0	H	0.0	1.4	27.2	74.0
6993.030000	47.9	1000.0	1000.000	150.0	H	0.0	7.3	26.1	74.0
12654.030000	49.9	1000.0	1000.000	150.0	H	0.0	12.2	24.1	74.0

Limit and Margin-AV

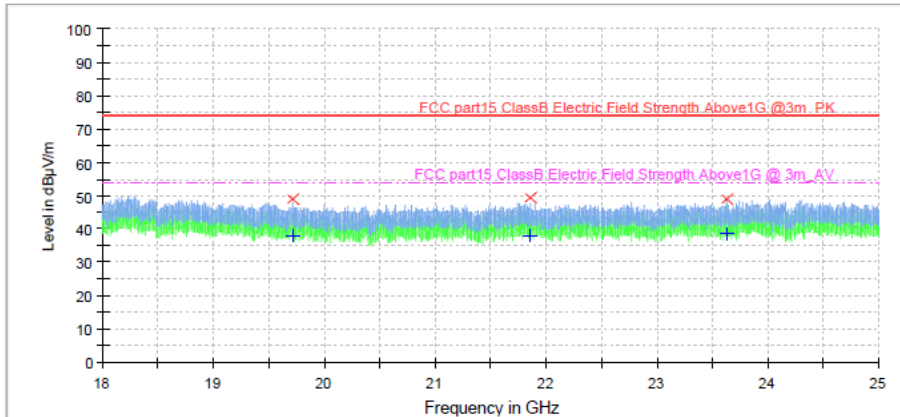
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4064.250000	39.6	1000.0	1000.000	150.0	H	0.0	1.4	14.4	54.0
6993.030000	36.4	1000.0	1000.000	150.0	H	0.0	7.3	17.6	54.0
12654.030000	39.3	1000.0	1000.000	150.0	H	0.0	12.2	14.7	54.0

1GHz-18GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4064.250000	56.0	1000.0	1000.000	150.0	V	0.0	1.4	18.0	74.0
6210.500000	45.5	1000.0	1000.000	150.0	V	0.0	5.9	28.5	74.0
8756.780000	48.5	1000.0	1000.000	150.0	V	0.0	9.3	25.5	74.0

Limit and Margin-AV

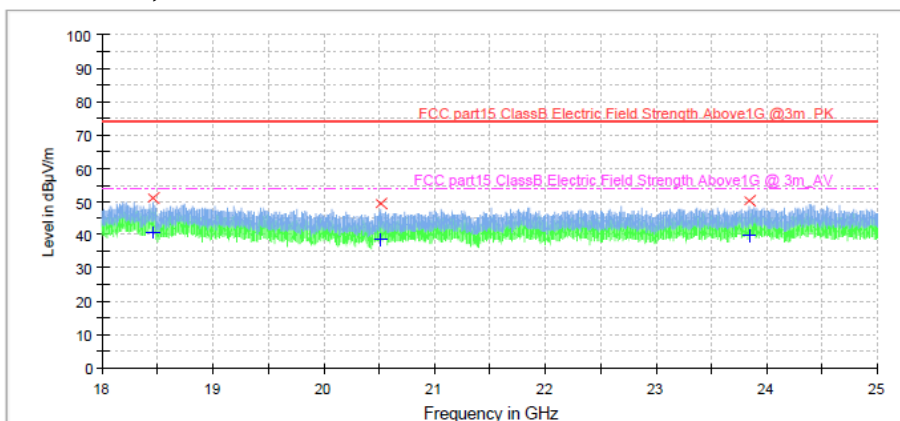
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4064.250000	49.4	1000.0	1000.000	150.0	V	0.0	1.4	4.6	54.0
6210.500000	35.3	1000.0	1000.000	150.0	V	0.0	5.9	18.7	54.0
8756.780000	37.8	1000.0	1000.000	150.0	V	0.0	9.3	16.2	54.0

18GHz-25GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
19720.905000	48.8	1000.0	1000.000	150.0	H	0.0	-9.2	25.2	74.0
21859.625000	49.3	1000.0	1000.000	150.0	H	0.0	-7.0	24.8	74.0
23628.875000	49.2	1000.0	1000.000	150.0	H	0.0	-5.1	24.9	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
19720.905000	38.1	1000.0	1000.000	150.0	H	0.0	-9.2	15.9	54.0
21859.625000	38.1	1000.0	1000.000	150.0	H	0.0	-7.0	15.9	54.0
23628.875000	38.6	1000.0	1000.000	150.0	H	0.0	-5.1	15.4	54.0

18GHz-25GHz, Vertical

Limit and Margin-PK

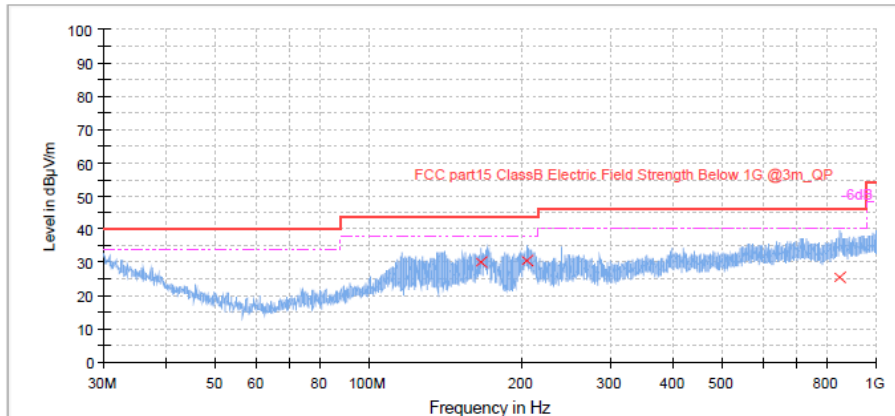
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18451.060000	51.2	1000.0	1000.000	150.0	V	0.0	-7.1	22.8	74.0
20510.375000	49.4	1000.0	1000.000	150.0	V	0.0	-8.9	24.6	74.0
23849.155000	50.3	1000.0	1000.000	150.0	V	0.0	-5.1	23.7	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18451.060000	40.8	1000.000	150.0	V	0.0	-7.1	13.2	54.0
20510.375000	38.4	1000.000	150.0	V	0.0	-8.9	15.7	54.0
23849.155000	39.6	1000.000	150.0	V	0.0	-5.1	14.4	54.0

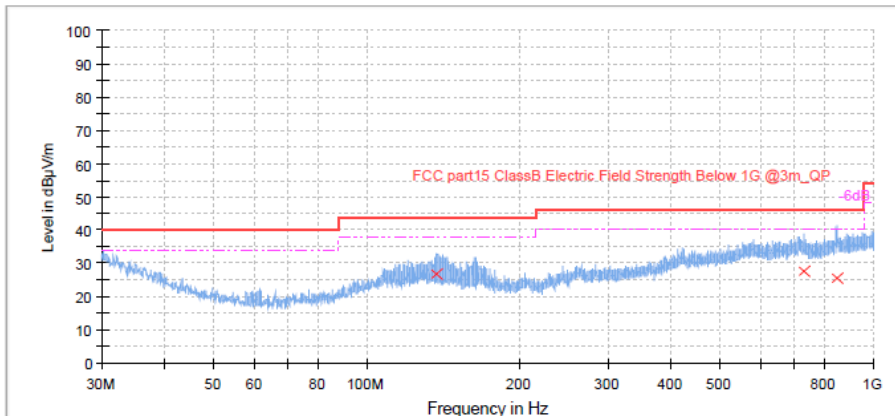
Figure 7: Spectral Diagrams, Radiated Spurious Emission, Mode A.3

30MHz-1000MHz, Horizontal

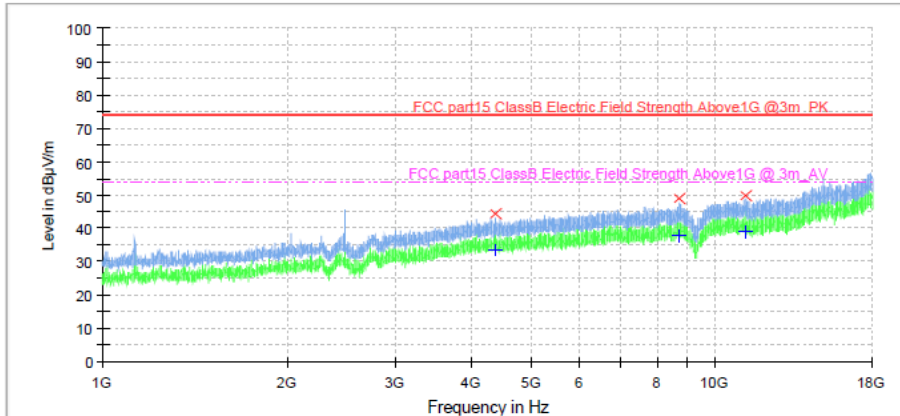

Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
167.040000	30.1	1000.0	120.000	100.0	H	11.0	17.2	13.4	43.5
205.620000	30.6	1000.0	120.000	100.0	H	11.0	17.0	12.9	43.5
845.610000	25.6	1000.0	120.000	100.0	H	11.0	29.3	20.4	46.0

30MHz-1000MHz, Vertical


Limit and Margin

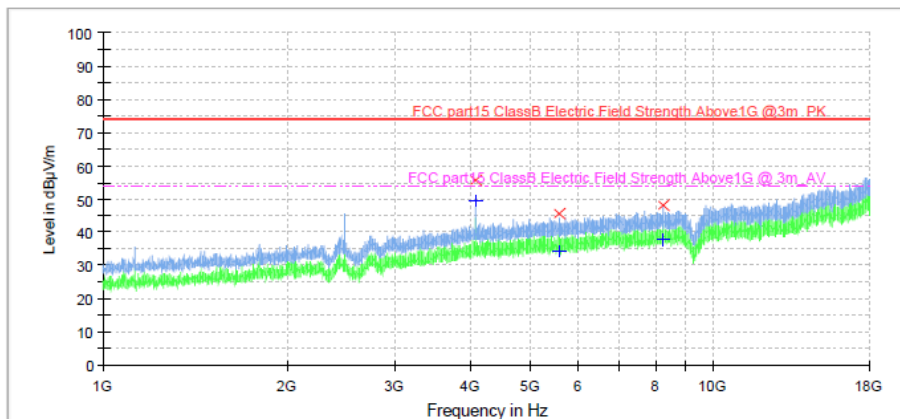
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
137.020000	26.6	1000.0	120.000	100.0	V	11.0	18.6	16.9	43.5
728.990000	27.7	1000.0	120.000	100.0	V	11.0	28.0	18.4	46.0
845.120000	25.4	1000.0	120.000	100.0	V	11.0	29.4	20.6	46.0

1GHz-18GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4375.030000	44.3	1000.0	1000.000	150.0	H	0.0	2.0	29.7	74.0
8710.030000	49.1	1000.0	1000.000	150.0	H	0.0	9.3	24.9	74.0
11163.875000	49.6	1000.0	1000.000	150.0	H	0.0	11.5	24.4	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4375.030000	33.3	1000.0	1000.000	150.0	H	0.0	2.0	20.7	54.0
8710.030000	37.8	1000.0	1000.000	150.0	H	0.0	9.3	16.2	54.0
11163.875000	39.1	1000.0	1000.000	150.0	H	0.0	11.5	14.9	54.0

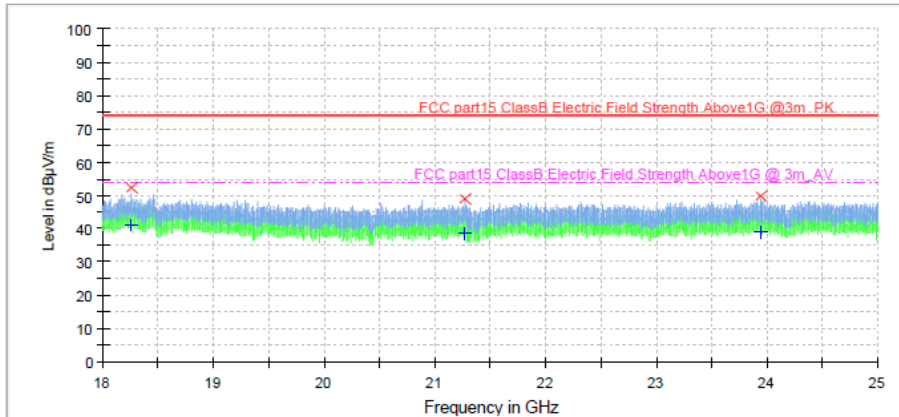
1GHz-18GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4064.250000	55.7	1000.0	1000.000	150.0	V	0.0	1.4	18.3	74.0
5573.000000	45.6	1000.0	1000.000	150.0	V	0.0	4.7	28.4	74.0
8255.280000	48.1	1000.0	1000.000	150.0	V	0.0	8.6	25.9	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4064.250000	49.3	1000.0	1000.000	150.0	V	0.0	1.4	4.7	54.0
5573.000000	34.5	1000.0	1000.000	150.0	V	0.0	4.7	19.5	54.0
8255.280000	37.5	1000.0	1000.000	150.0	V	0.0	8.6	16.5	54.0

18GHz-25GHz, Horizontal



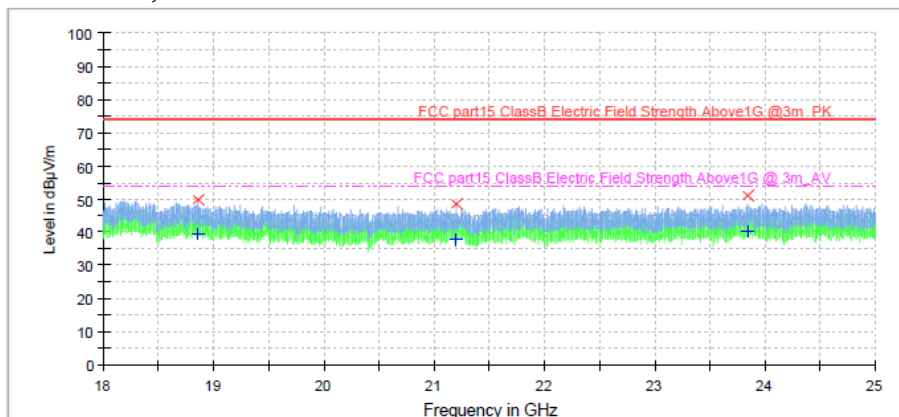
Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18254.845000	52.2	1000.0	1000.000	150.0	H	0.0	-6.6	21.8	74.0
21270.970000	49.1	1000.0	1000.000	150.0	H	0.0	-7.7	24.9	74.0
23944.310000	49.9	1000.0	1000.000	150.0	H	0.0	-5.0	24.1	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18254.845000	40.8	1000.0	1000.000	150.0	H	0.0	-6.6	13.2	54.0
21270.970000	38.6	1000.0	1000.000	150.0	H	0.0	-7.7	15.5	54.0
23944.310000	38.8	1000.0	1000.000	150.0	H	0.0	-5.0	15.3	54.0

18GHz-25GHz, Vertical



Limit and Margin-PK

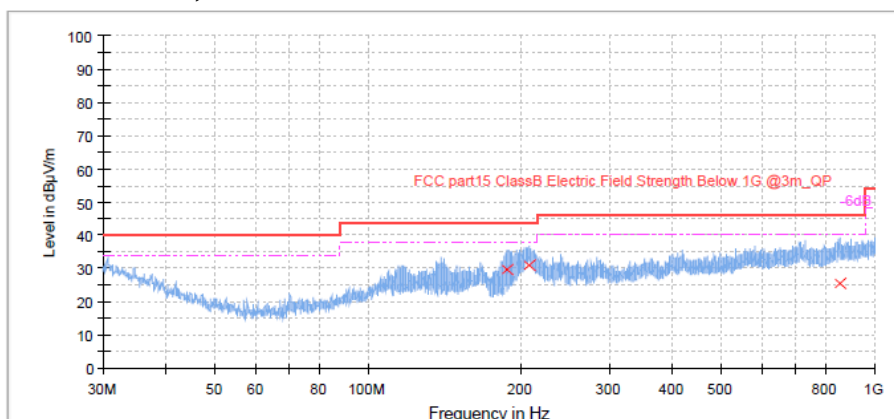
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18854.000000	49.9	1000.0	1000.000	150.0	V	0.0	-8.1	24.2	74.0
21193.750000	48.4	1000.0	1000.000	150.0	V	0.0	-7.8	25.6	74.0
23845.435000	51.2	1000.0	1000.000	150.0	V	0.0	-5.1	22.8	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18854.000000	39.5	1000.0	1000.000	150.0	V	0.0	-8.1	14.5	54.0
21193.750000	37.8	1000.0	1000.000	150.0	V	0.0	-7.8	16.2	54.0
23845.435000	40.3	1000.0	1000.000	150.0	V	0.0	-5.1	13.7	54.0

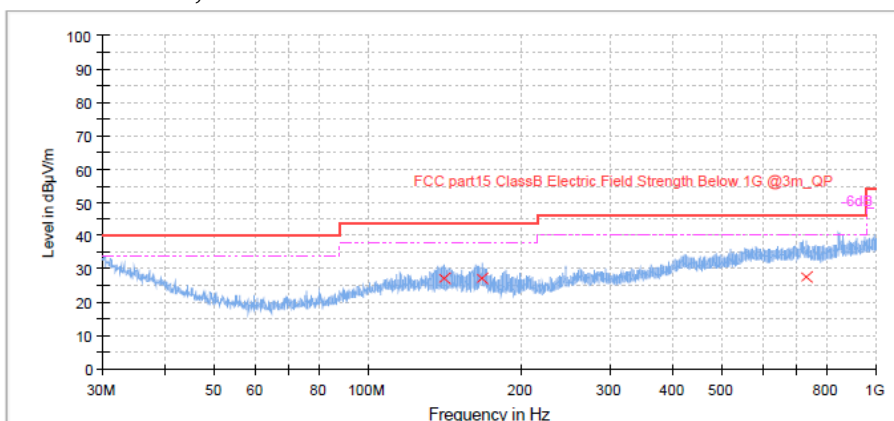
Figure 8: Spectral Diagrams, Radiated Spurious Emission, Mode B.1

30MHz-1000MHz, Horizontal

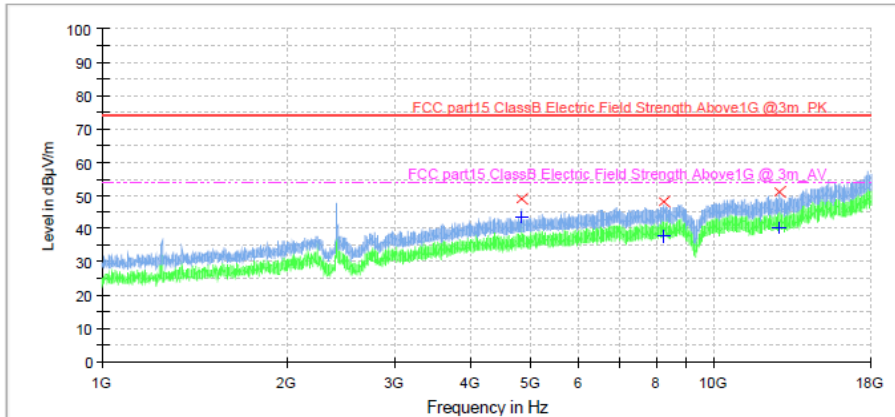

Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
188.220000	29.8	1000.0	120.000	100.0	H	257.0	16.3	13.7	43.5
207.560000	30.8	1000.0	120.000	100.0	H	134.0	17.0	12.7	43.5
851.100000	25.5	1000.0	120.000	100.0	H	11.0	29.3	20.5	46.0

30MHz-1000MHz, Vertical


Limit and Margin

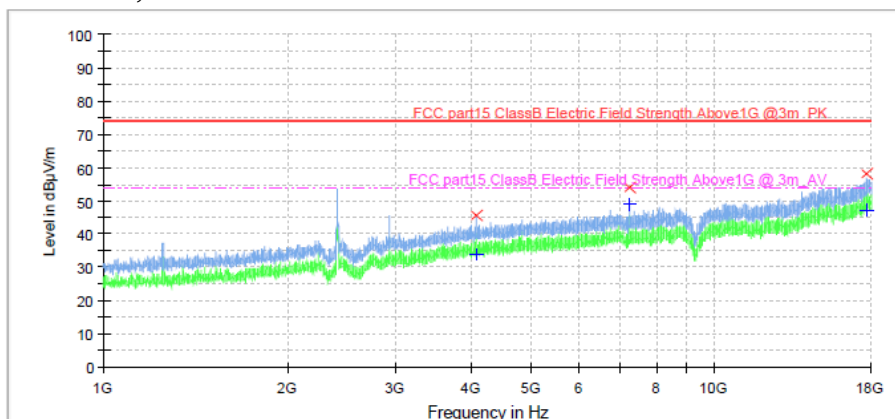
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
140.850000	27.1	1000.0	120.000	100.0	V	11.0	18.5	16.4	43.5
167.690000	27.4	1000.0	120.000	100.0	V	186.0	17.2	16.1	43.5
729.690000	27.8	1000.0	120.000	100.0	V	290.0	28.0	18.2	46.0

1GHz-18GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4823.935000	48.9	1000.0	1000.000	150.0	H	0.0	3.1	25.1	74.0
8235.625000	48.1	1000.0	1000.000	150.0	H	0.0	8.5	25.9	74.0
12757.625000	51.1	1000.0	1000.000	150.0	H	0.0	12.2	22.9	74.0

Limit and Margin-AV

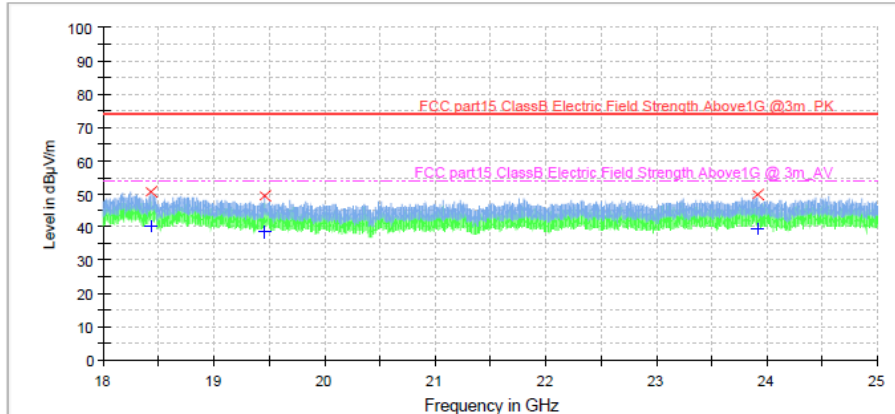
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4823.935000	43.5	1000.0	1000.000	150.0	H	0.0	3.1	10.5	54.0
8235.625000	37.8	1000.0	1000.000	150.0	H	0.0	8.5	16.2	54.0
12757.625000	40.2	1000.0	1000.000	150.0	H	0.0	12.2	13.8	54.0

1GHz-18GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4065.310000	45.7	1000.0	1000.000	150.0	V	0.0	1.4	28.3	74.0
7235.280000	54.2	1000.0	1000.000	150.0	V	0.0	7.5	19.8	74.0
17686.030000	58.2	1000.0	1000.000	150.0	V	0.0	20.9	15.8	74.0

Limit and Margin-AV

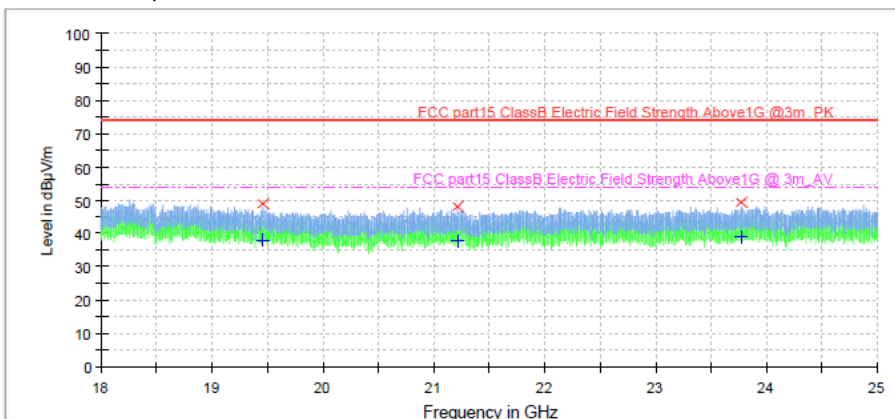
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4065.310000	33.9	1000.0	1000.000	150.0	V	0.0	1.4	20.2	54.0
7235.280000	48.9	1000.0	1000.000	150.0	V	0.0	7.5	5.1	54.0
17686.030000	47.2	1000.0	1000.000	150.0	V	0.0	20.9	6.8	54.0

18GHz-25GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18432.905000	50.6	1000.0	1000.000	150.0	H	0.0	-7.0	23.4	74.0
19456.000000	49.5	1000.0	1000.000	150.0	H	0.0	-9.0	24.5	74.0
23913.470000	49.9	1000.0	1000.000	150.0	H	0.0	-5.0	24.1	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18432.905000	40.4	1000.0	1000.000	150.0	H	0.0	-7.0	13.6	54.0
19456.000000	38.6	1000.0	1000.000	150.0	H	0.0	-9.0	15.4	54.0
23913.470000	39.4	1000.0	1000.000	150.0	H	0.0	-5.0	14.6	54.0

18GHz-25GHz, Vertical

Limit and Margin-PK

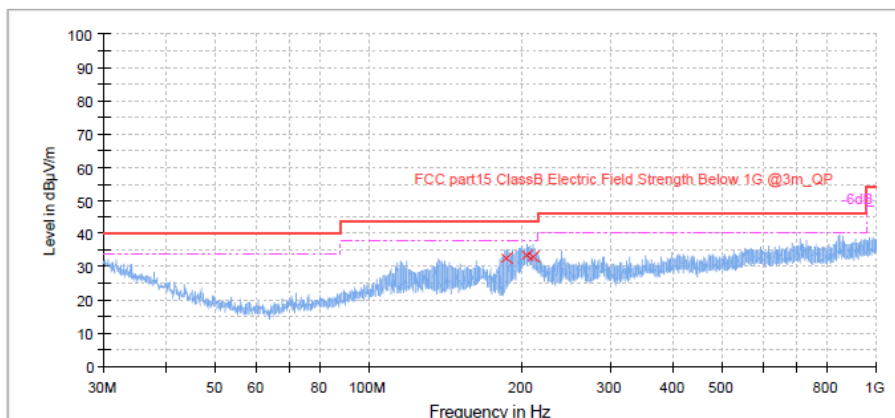
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
19457.750000	49.2	1000.0	1000.000	150.0	V	0.0	-9.0	24.8	74.0
21211.905000	48.3	1000.0	1000.000	150.0	V	0.0	-7.8	25.7	74.0
23766.470000	49.4	1000.0	1000.000	150.0	V	0.0	-5.1	24.7	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
19457.750000	38.0	1000.0	1000.000	150.0	V	0.0	-9.0	16.1	54.0
21211.905000	37.9	1000.0	1000.000	150.0	V	0.0	-7.8	16.1	54.0
23766.470000	39.0	1000.0	1000.000	150.0	V	0.0	-5.1	15.0	54.0

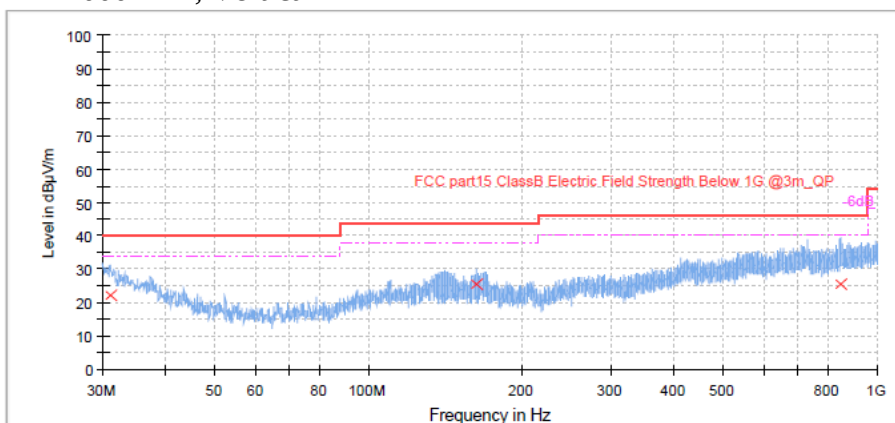
Figure 9: Spectral Diagrams, Radiated Spurious Emission, Mode B.2

30MHz-1000MHz, Horizontal

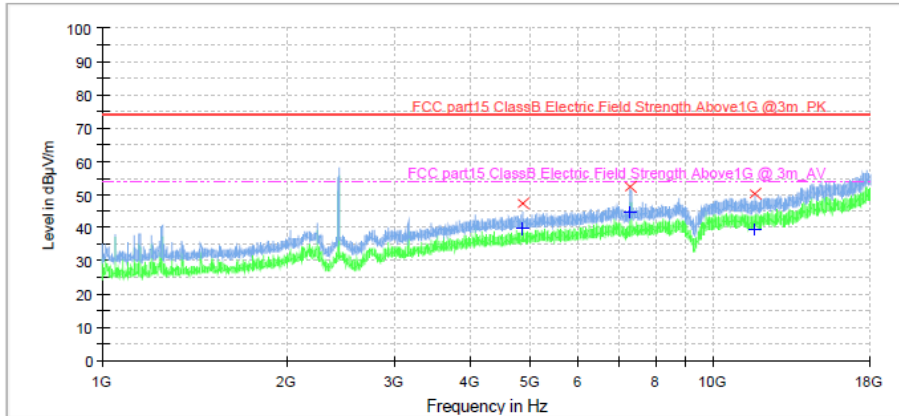

Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
186.980000	32.7	1000.0	120.000	100.0	H	29.0	16.2	10.8	43.5
205.680000	33.6	1000.0	120.000	100.0	H	141.0	17.0	9.9	43.5
210.640000	33.1	1000.0	120.000	100.0	H	11.0	16.7	10.4	43.5

30MHz-1000MHz, Vertical


Limit and Margin

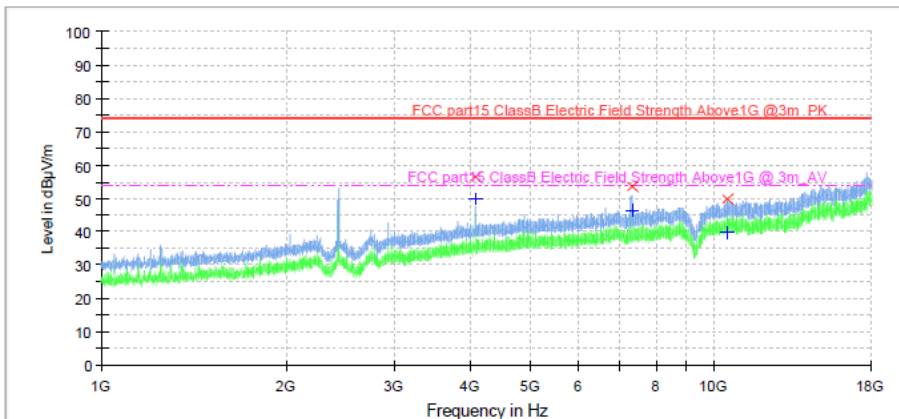
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.130000	22.4	1000.0	120.000	100.0	V	11.0	25.2	17.7	40.0
163.270000	25.4	1000.0	120.000	100.0	V	11.0	17.1	18.1	43.5
844.960000	25.6	1000.0	120.000	100.0	V	338.0	29.4	20.4	46.0

1GHz-18GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4873.875000	47.1	1000.0	1000.000	150.0	H	0.0	3.2	26.9	74.0
7310.720000	52.3	1000.0	1000.000	150.0	H	0.0	7.6	21.7	74.0
11652.625000	50.1	1000.0	1000.000	150.0	H	0.0	11.4	23.9	74.0

Limit and Margin-AV

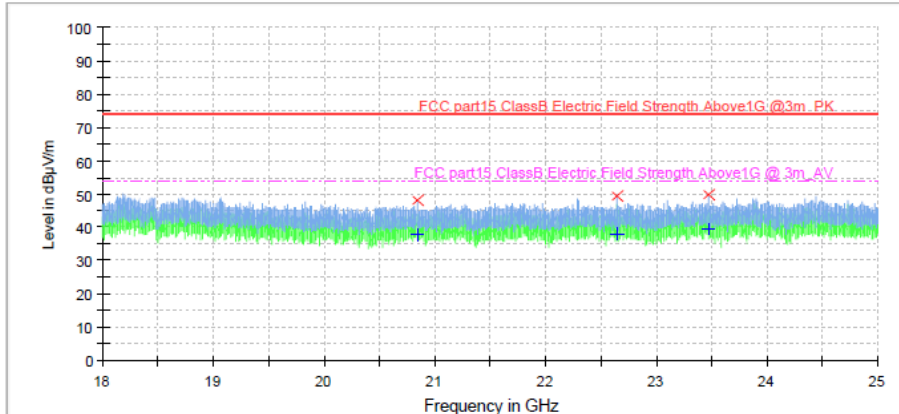
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4873.875000	39.9	1000.0	1000.000	150.0	H	0.0	3.2	14.1	54.0
7310.720000	44.7	1000.0	1000.000	150.0	H	0.0	7.6	9.3	54.0
11652.625000	39.3	1000.0	1000.000	150.0	H	0.0	11.4	14.7	54.0

1GHz-18GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4064.250000	56.6	1000.0	1000.000	150.0	V	0.0	1.4	17.4	74.0
7312.310000	53.5	1000.0	1000.000	150.0	V	0.0	7.6	20.5	74.0
10475.375000	50.0	1000.0	1000.000	150.0	V	0.0	10.9	24.0	74.0

Limit and Margin-AV

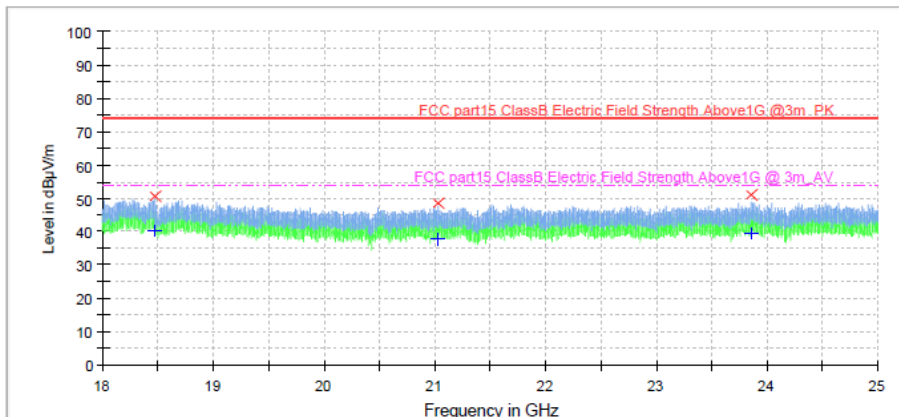
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4064.250000	49.7	1000.0	1000.000	150.0	V	0.0	1.4	4.3	54.0
7312.310000	46.6	1000.0	1000.000	150.0	V	0.0	7.6	7.4	54.0
10475.375000	39.7	1000.0	1000.000	150.0	V	0.0	10.9	14.4	54.0

18GHz-25GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
20840.250000	48.2	1000.0	1000.000	150.0	H	0.0	-8.4	25.8	74.0
22642.970000	49.3	1000.0	1000.000	150.0	H	30.0	-6.0	24.7	74.0
23474.220000	49.8	1000.0	1000.000	150.0	H	0.0	-5.2	24.2	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
20840.250000	37.5	1000.0	1000.000	150.0	H	0.0	-8.4	16.5	54.0
22642.970000	38.1	1000.0	1000.000	150.0	H	30.0	-6.0	15.9	54.0
23474.220000	39.4	1000.0	1000.000	150.0	H	0.0	-5.2	14.6	54.0

18GHz-25GHz, Vertical

Limit and Margin-PK

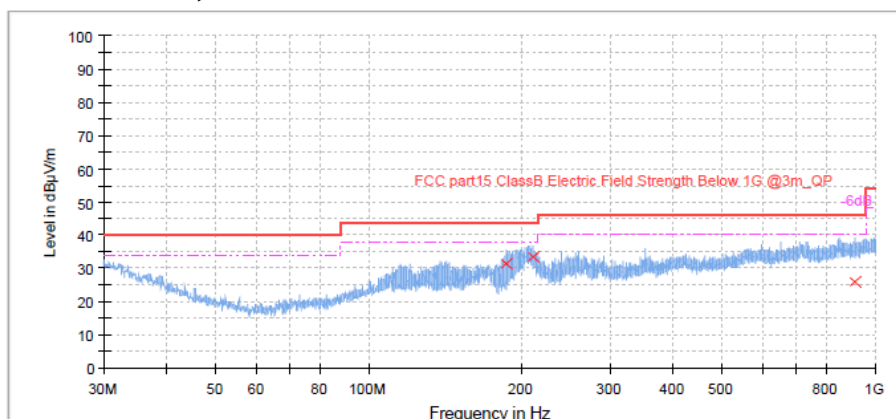
Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18477.530000	50.7	1000.0	1000.000	150.0	V	0.0	-7.2	23.3	74.0
21029.250000	48.3	1000.0	1000.000	150.0	V	0.0	-8.1	25.7	74.0
23856.595000	50.8	1000.0	1000.000	150.0	V	0.0	-5.1	23.2	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18477.530000	40.3	1000.0	1000.000	150.0	V	0.0	-7.2	13.8	54.0
21029.250000	37.7	1000.0	1000.000	150.0	V	0.0	-8.1	16.3	54.0
23856.595000	39.5	1000.0	1000.000	150.0	V	0.0	-5.1	14.5	54.0

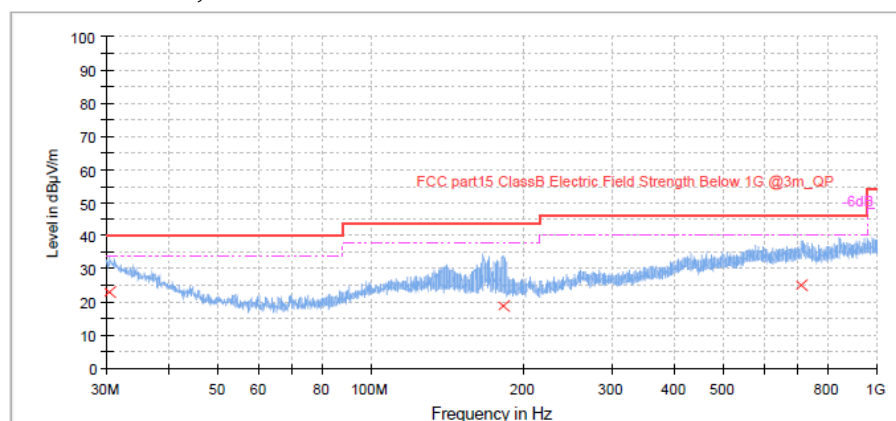
Figure 10: Spectral Diagrams, Radiated Spurious Emission, Mode B.3

30MHz-1000MHz, Horizontal


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
186.920000	31.3	1000.0	120.000	100.0	H	11.0	16.2	12.2	43.5
210.640000	33.3	1000.0	120.000	100.0	H	11.0	16.7	10.2	43.5
913.020000	26.1	1000.0	120.000	100.0	H	11.0	29.8	19.9	46.0

30MHz-1000MHz, Vertical

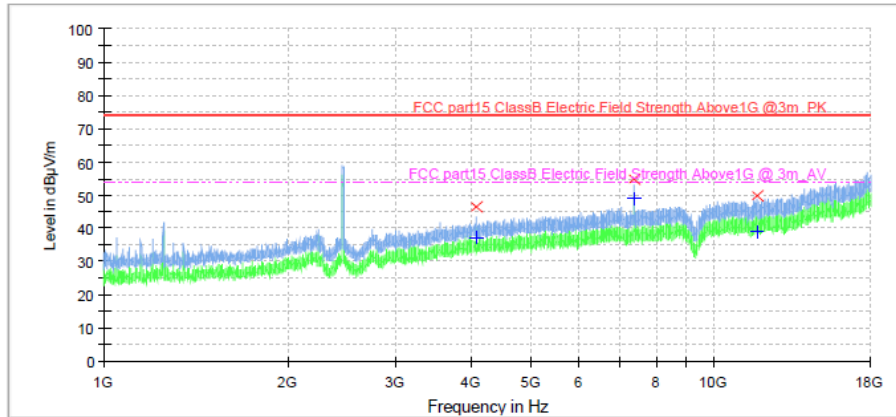

Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.430000	22.9	1000.0	120.000	100.0	V	11.0	25.7	17.1	40.0
182.130000	18.8	1000.0	120.000	100.0	V	11.0	16.4	24.7	43.5
709.920000	25.0	1000.0	120.000	100.0	V	11.0	27.8	21.0	46.0

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1GHz-18GHz, Horizontal



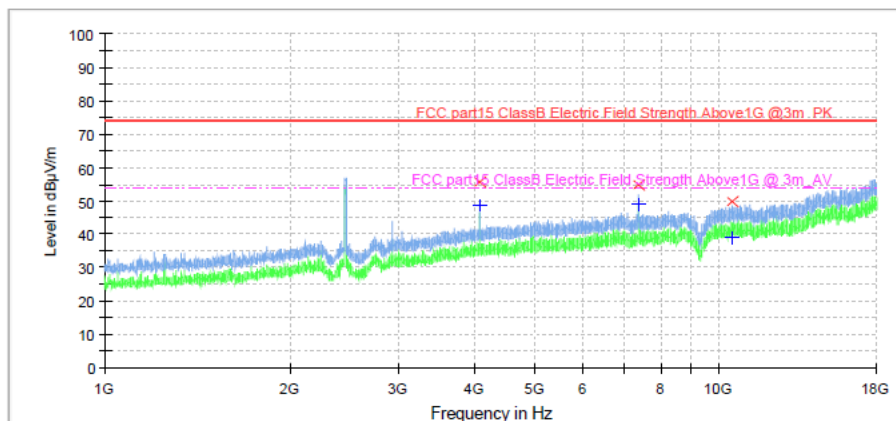
Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4064.780000	46.4	1000.0	1000.000	150.0	H	0.0	1.4	27.6	74.0
7387.750000	54.7	1000.0	1000.000	150.0	H	0.0	7.6	19.3	74.0
11701.500000	49.7	1000.0	1000.000	150.0	H	0.0	11.4	24.3	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4064.780000	37.1	1000.0	1000.000	150.0	H	0.0	1.4	16.9	54.0
7387.750000	48.8	1000.0	1000.000	150.0	H	0.0	7.6	5.2	54.0
11701.500000	39.0	1000.0	1000.000	150.0	H	0.0	11.4	15.0	54.0

1GHz-18GHz, Vertical

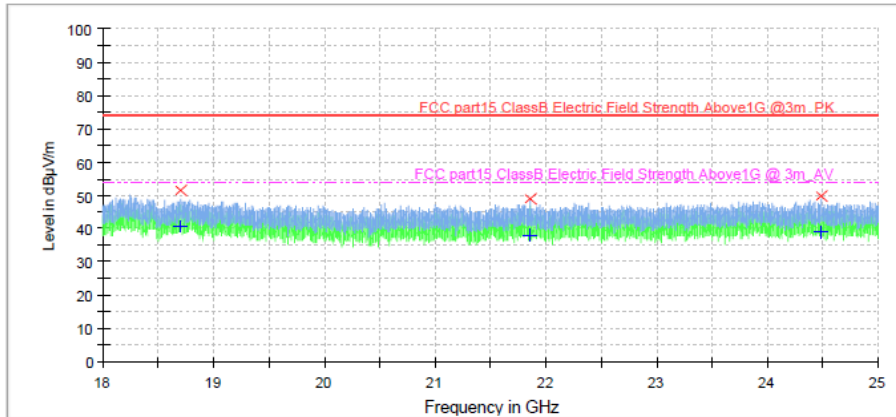


Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4064.250000	55.5	1000.0	1000.000	150.0	V	0.0	1.4	18.5	74.0
7387.750000	54.8	1000.0	1000.000	150.0	V	0.0	7.6	19.2	74.0
10458.905000	49.8	1000.0	1000.000	150.0	V	0.0	10.9	24.2	74.0

Limit and Margin-AV

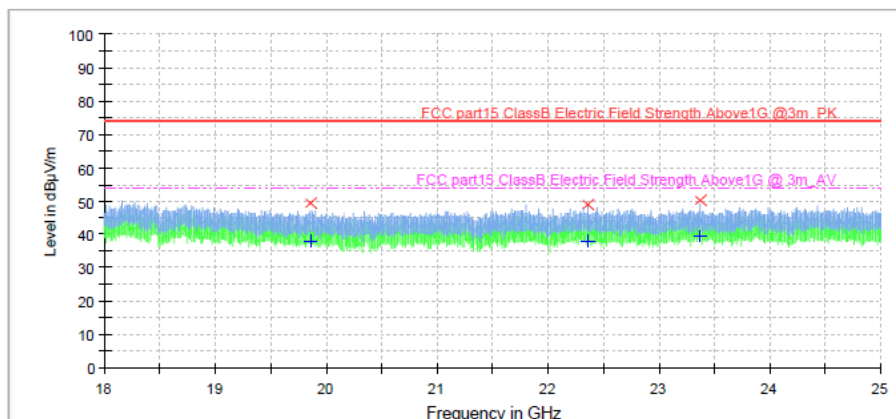
Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4064.250000	48.6	1000.0	1000.000	150.0	V	0.0	1.4	5.4	54.0
7387.750000	48.9	1000.0	1000.000	150.0	V	0.0	7.6	5.1	54.0
10458.905000	38.8	1000.0	1000.000	150.0	V	0.0	10.9	15.2	54.0

18GHz-25GHz, Horizontal

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
18702.405000	51.4	1000.0	1000.000	150.0	H	0.0	-7.7	22.6	74.0
21851.750000	48.9	1000.0	1000.000	150.0	H	0.0	-7.0	25.1	74.0
24485.935000	49.7	1000.0	1000.000	150.0	H	0.0	-4.9	24.3	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
18702.405000	40.4	1000.0	1000.000	150.0	H	0.0	-7.7	13.6	54.0
21851.750000	38.0	1000.0	1000.000	150.0	H	0.0	-7.0	16.1	54.0
24485.935000	39.1	1000.0	1000.000	150.0	H	0.0	-4.9	14.9	54.0

18GHz-25GHz, Vertical

Limit and Margin-PK

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
19862.435000	49.3	1000.0	1000.000	150.0	V	0.0	-9.2	24.7	74.0
22355.530000	48.8	1000.0	1000.000	150.0	V	0.0	-6.5	25.2	74.0
23377.750000	50.4	1000.0	1000.000	150.0	V	0.0	-5.2	23.7	74.0

Limit and Margin-AV

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
19862.435000	38.2	1000.0	1000.000	150.0	V	0.0	-9.2	15.8	54.0
22355.530000	38.2	1000.0	1000.000	150.0	V	0.0	-6.5	15.8	54.0
23377.750000	39.5	1000.0	1000.000	150.0	V	0.0	-5.2	14.5	54.0

Remark: All the modes had been tested, but only the worst data was recorded in the report.

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--The END --