



TEST REPORT

Application No.: GZEM2007013626CR
Applicant: Modoo Inc.
Address of Applicant: Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801, United States
Manufacturer: Modoo Inc.
Address of Manufacturer: Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801, United States
Factory: Huizhou BYD Electronics Co., Ltd
Address of Factory: C6-5F, Xiangshui River Industry Zone, Daya Bay, Huizhou, Guangdong, China
Equipment Under Test (EUT):
EUT Name: Monadoré Smart Pregnancy Tracker
Model No.: C1
Trade Mark: Monadoré
FCC ID: 2AWVO-C1
Standard(s): 47 CFR Part 15, Subpart C 15.247
Date of Receipt: 2020-07-09
Date of Test: 2020-07-20 to 2020-08-07
Date of Issue: 2020-08-12

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Kobe Jian

EMC Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2020-08-12		Original

Authorized for issue by:			
Tested By	 Curry_Wu /Project Engineer	2020-07-20 to 2020-08-07	Date
Checked By	 Ricky_Liu /Reviewer	2020-08-12	Date



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Minimum 6dB Bandwidth	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.9.1	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass
Power Spectrum Density	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass



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4 General Information

4.1 Details of E.U.T.

Power Supply:	DC 3.80 V rechargeable battery for working DC 5V for charging
Test Voltage:	DC 3.8V
Cable:	about 0.5m USB cable
Antenna Gain(Supply by applicant)	2.5dBi
Antenna Type:	Integral antenna
Channel Spacing:	2MHz
Modulation Type:	GFSK
(Supply by applicant)	
Number of Channels:	40
Operation Frequency:	2402MHz to 2480MHz
Sample NO.	A1
RF power	-4.401dBm

4.2 Description of Support Units

Description	Manufacturer	Model No.	SN/Certificate NO
Mobile Phone	SAMSUNG	GT-9500	RV1D82X8W9X
Test software	N/A	nRF connect	N/A
Firmware	N/A	V11.0	N/A
Hardware	N/A	E213371	N/A

4.3 Measurement Uncertainty

RF

No.	Item	Measurement Uncertainty
1	Radio Frequency	$\pm 5.5 \times 10^{-8}$
2	Duty cycle	$\pm 0.57\%$
3	Occupied Bandwidth	$\pm 3\%$
4	RF Conducted power	$\pm 0.68\text{dB}$
5	RF Power Density	$\pm 1.50\text{dB}$
6	Conducted Spurious Emissions	$\pm 1.04\text{dB}$
7	RF Radiated Power	$\pm 4.5\text{dB}$ (below 1GHz)
		$\pm 4.8\text{dB}$ (above 1GHz)
8	Radiated Spurious Emission Test	$\pm 4.5\text{dB}$ (30MHz-1GHz)
		$\pm 4.8\text{dB}$ (1GHz-18GHz)
9	Temperature	$\pm 0.4^\circ\text{C}$
10	Humidity	$\pm 1.3\%$
11	Supply Voltages	$\pm 1.5\%$



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12	Time	±3%
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4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,
 198 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District,
 Guangzhou, China 510663

Tel: +86 20 82155555 Fax: +86 20 82075059

No tests were sub-contracted.



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 Guangzhou Branch EMC Laboratory

No. 198 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075058 www.sgsgroup.com.cn
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **NVLAP (Lab Code: 200611-0)**

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

● **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our NVLAP accreditation.

● **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

● **CNAS (Lab Code: L0167)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAS-CL01:2018 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of Testing Laboratories.

● **FCC Recognized 2.948 Listed Test Firm(Registration No.: 282399)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 282399, May 31, 2002.

● **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818, Jul 13, 2017.

● **Industry Canada (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

● **VCCI (Registration No.: R-12460, C-12584, G-10449 and T-11179)**

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-10449 and T-11179 respectively.

● **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2005, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.



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Guangzhou Branch Testing Center EEC Laboratory. 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Minimum 6dB Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EXA Signal Analyzer	AgilentTechnologies	N9010A	EMC2138	2019-11-18	2020-11-17
6dB Attenuator	HP	8491A	EMC2062	2020-04-15	2022-04-14
Test Software JS1120-3	HangTianXing	V2.6	GZE100-69	N/A	N/A
MI CABLE	SGS-EMC	0.8M	EMC2136	2019-11-02	2021-11-01
MI CABLE	SGS-EMC	0.8M	EMC2137	2019-11-02	2021-11-01

Conducted Peak Output Power					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EXA Signal Analyzer	AgilentTechnologies	N9010A	EMC2138	2019-11-18	2020-11-17
6dB Attenuator	HP	8491A	EMC2062	2020-04-15	2022-04-14
Test Software JS1120-3	HangTianXing	V2.6	GZE100-69	N/A	N/A
MI CABLE	SGS-EMC	0.8M	EMC2136	2019-11-02	2021-11-01
MI CABLE	SGS-EMC	0.8M	EMC2137	2019-11-02	2021-11-01

Power Spectrum Density					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EXA Signal Analyzer	AgilentTechnologies	N9010A	EMC2138	2019-11-18	2020-11-17
6dB Attenuator	HP	8491A	EMC2062	2020-04-15	2022-04-14
Test Software JS1120-3	HangTianXing	V2.6	GZE100-69	N/A	N/A
MI CABLE	SGS-EMC	0.8M	EMC2136	2019-11-02	2021-11-01
MI CABLE	SGS-EMC	0.8M	EMC2137	2019-11-02	2021-11-01

Conducted Band Edges Measurement					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
MXA Signal Analyzer	AgilentTechnologies	N9020A	SEM004-10	2020-03-02	2021-03-01
ESG Vector Signal Generator	Keysight	E4438C	SEM006-03	2020-03-31	2021-03-30
EXG Analog Signal Generator	AgilentTechnologies	N5171B	SEM006-04	2020-07-15	2021-07-14
Power Meter	AgilentTechnologies	U2021XA_Ch2	SEM009-02	2020-05-26	2021-05-25
Power Meter	AgilentTechnologies	U2021XA_Ch3	SEM009-03	2020-05-26	2021-05-25
EXA Signal Analyzer	AgilentTechnologies	N9010A	EMC2138	2019-11-18	2020-11-17
6dB Attenuator	HP	8491A	EMC2062	2020-04-15	2022-04-14
Test Software JS1120-3	HangTianXing	V2.6	GZE100-69	N/A	N/A
MI CABLE	SGS-EMC	0.8M	EMC2136	2019-11-02	2021-11-01
MI CABLE	SGS-EMC	0.8M	EMC2137	2019-11-02	2021-11-01



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Conducted Spurious Emissions					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EXA Signal Analyzer	AgilentTechnologies	N9010A	EMC2138	2019-11-18	2020-11-17
6dB Attenuator	HP	8491A	EMC2062	2020-04-15	2022-04-14
Test Software JS1120-3	HangTianXing	V2.6	GZE100-69	N/A	N/A
MI CABLE	SGS-EMC	0.8M	EMC2136	2019-11-02	2021-11-01
MI CABLE	SGS-EMC	0.8M	EMC2137	2019-11-02	2021-11-01

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test Receiver	Rohde & Schwarz	ESIB26	EMC0522	2020-01-10	2021-01-09
EMI Test Receiver	Rohde & Schwarz	ESCI	EMC0056	2020-01-10	2021-01-09
Chamber cable	HangTianXing	N/A	EMC0542	2019-06-28	2021-06-27
Trilog Broadband Antenna 25MHz-1GHz	SCHWARZBECKME SS-ELEKTRONIK	VULB 9168	EMC2174	2018-09-06	2021-09-05
Bi-log Type Antenna	Schaffner Chase	CBL6143	EMC0519	2020-06-08	2023-06-07
Horn Antenna	SCHWARZBECKME SS-ELEKTRONIK	BBHA 9120D	EMC2016	2019-09-25	2022-09-24
Horn Antenna 1GHz-18GHz	Rohde & Schwarz	HF906	EMC0518	2018-09-02	2021-09-01
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2020-01-10	2021-01-09
Amplifier	HP	8447F	EMC2065	2020-05-26	2021-05-25
Pre-Amplifier MH648A	ANRITSU CORP	MH648A	EMC2086	2019-11-18	2020-11-17
Active Loop Antenna	EMCO	6502	EMC0523	2018-03-05	2021-03-04
High Pass Filter(915MHz)	FSY MICROWAVE	HM1465-9SS	EMC2079	2020-01-10	2021-01-09
2.4GHz Filter	Micro-Tronics	BRM 50702	EMC2069	2020-01-10	2021-01-09
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2019-10-20	2022-10-19
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2017-12-19	2020-12-18
MXE EMI Receiver	Keysight	N9038A	EMC2139	2019-11-18	2020-11-17
EXA Signal Analyzer	Keysight	N9010A	EMC2138	2019-11-18	2020-11-17
Trilog Broadband Antenna 30MHz-1GHz	SCHWARZBECKME SS-ELEKTRONIK	VULB 9168	SEM003-18	2019-02-22	2022-02-22
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A



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Radiated Spurious Emissions					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test Receiver	Rohde & Schwarz	ESIB26	EMC0522	2020-01-10	2021-01-09
EMI Test Receiver	Rohde & Schwarz	ESCI	EMC0056	2020-01-10	2021-01-09
Chamber cable	HangTianXing	N/A	EMC0542	2019-06-28	2021-06-27
Trilog Broadband Antenna 25MHz-1GHz	SCHWARZBECKME SS-ELEKTRONIK	VULB 9168	EMC2174	2018-09-06	2021-09-05
Bi-log Type Antenna	Schaffner Chase	CBL6143	EMC0519	2020-06-08	2023-06-07
Horn Antenna	SCHWARZBECKME SS-ELEKTRONIK	BBHA 9120D	EMC2016	2019-09-25	2022-09-24
Horn Antenna 1GHz-18GHz	Rohde & Schwarz	HF906	EMC0518	2018-09-02	2021-09-01
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2020-01-10	2021-01-09
Amplifier	HP	8447F	EMC2065	2020-05-26	2021-05-25
Pre-Amplifier MH648A	ANRITSU CORP	MH648A	EMC2086	2019-11-18	2020-11-17
Active Loop Antenna	EMCO	6502	EMC0523	2018-03-05	2021-03-04
High Pass Filter(915MHz)	FSY MICROWAVE	HM1465-9SS	EMC2079	2020-01-10	2021-01-09
2.4GHz Filter	Micro-Tronics	BRM 50702	EMC2069	2020-01-10	2021-01-09
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2019-10-20	2022-10-19
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2017-12-19	2020-12-18
MXE EMI Receiver	Keysight	N9038A	EMC2139	2019-11-18	2020-11-17
EXA Signal Analyzer	Keysight	N9010A	EMC2138	2019-11-18	2020-11-17
Trilog Broadband Antenna 30MHz-1GHz	SCHWARZBECKME SS-ELEKTRONIK	VULB 9168	SEM003-18	2019-02-22	2022-02-22
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2020-07-09	2021-07-08
DMM	Fluke	73	EMC0007	2020-07-09	2021-07-08



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(c)

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2.5dBi.

Antenna photo please refer to internal photo.



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7 Radio Spectrum Matter Test Results

7.1 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2)
Test Method: ANSI C63.10 (2013) Section 11.8.1
Limit: ≥ 500 kHz

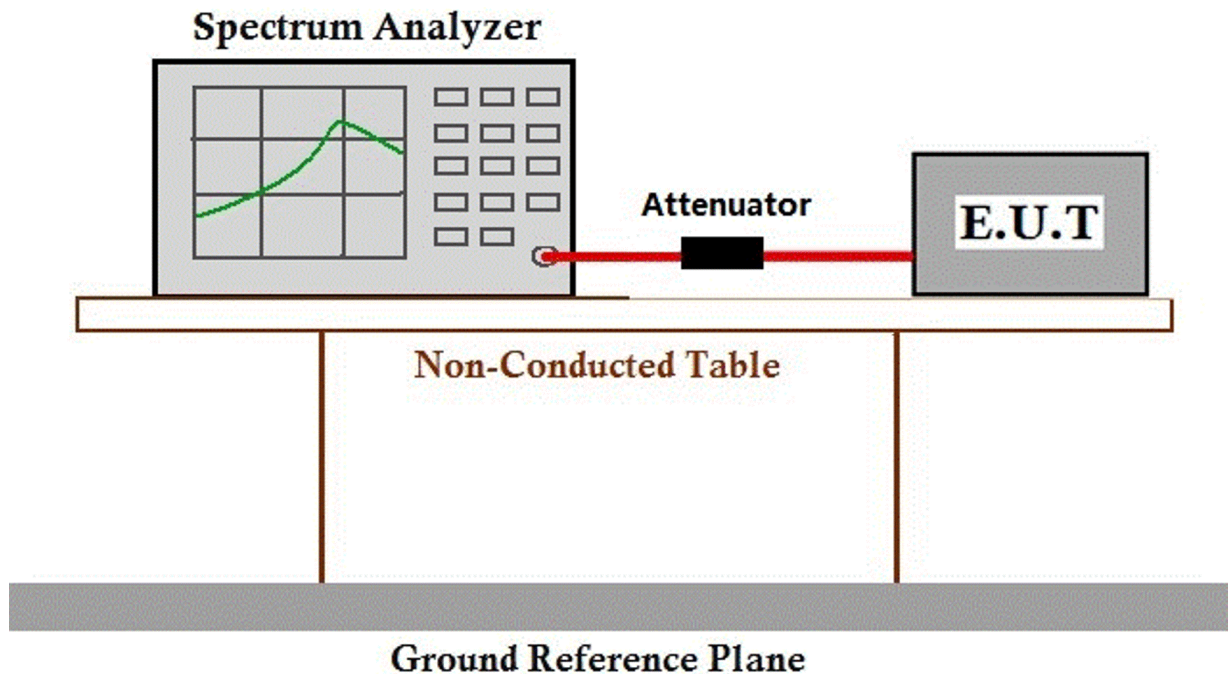
7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.9 °C Humidity: 53.7 % RH Atmospheric Pressure: 1020 mbar

Test Mode: b: TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.1.2 Test Setup Diagram



7.1.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247



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7.2 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)

Test Method: ANSI C63.10 (2013) Section 11.9.1

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq$ hopping channels < 50
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation



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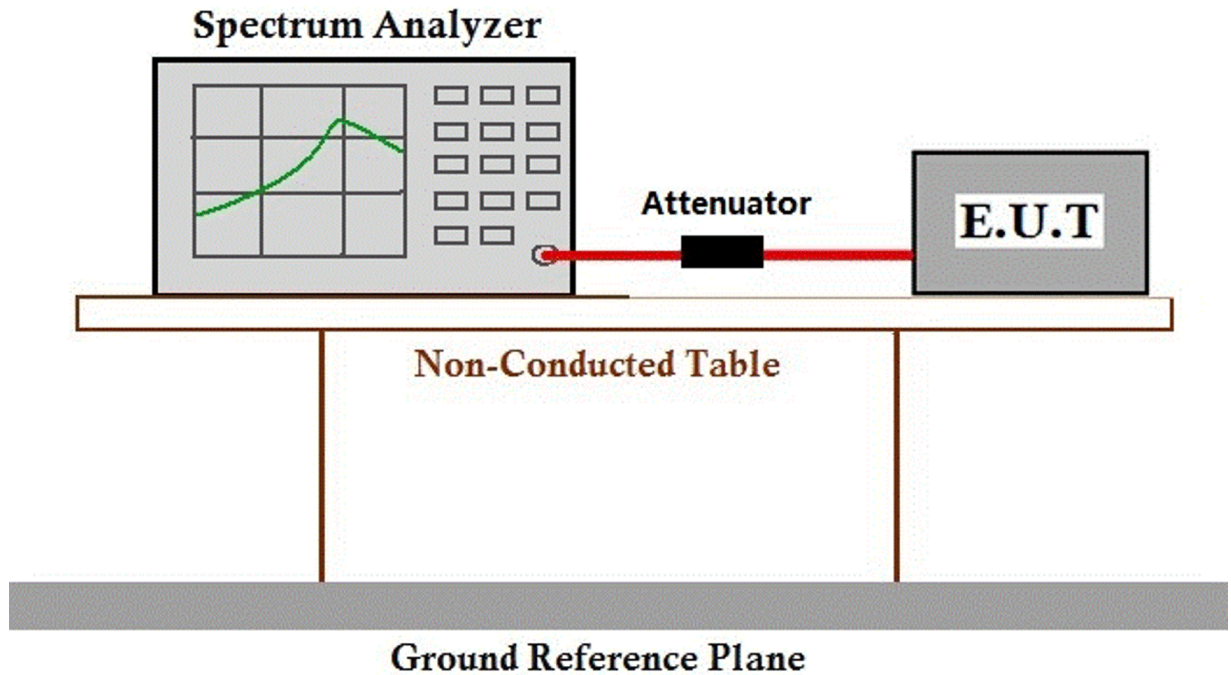
7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.9 °C Humidity: 53.7 % RH Atmospheric Pressure: 1020 mbar

Test Mode: b: TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.2.2 Test Setup Diagram



7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247



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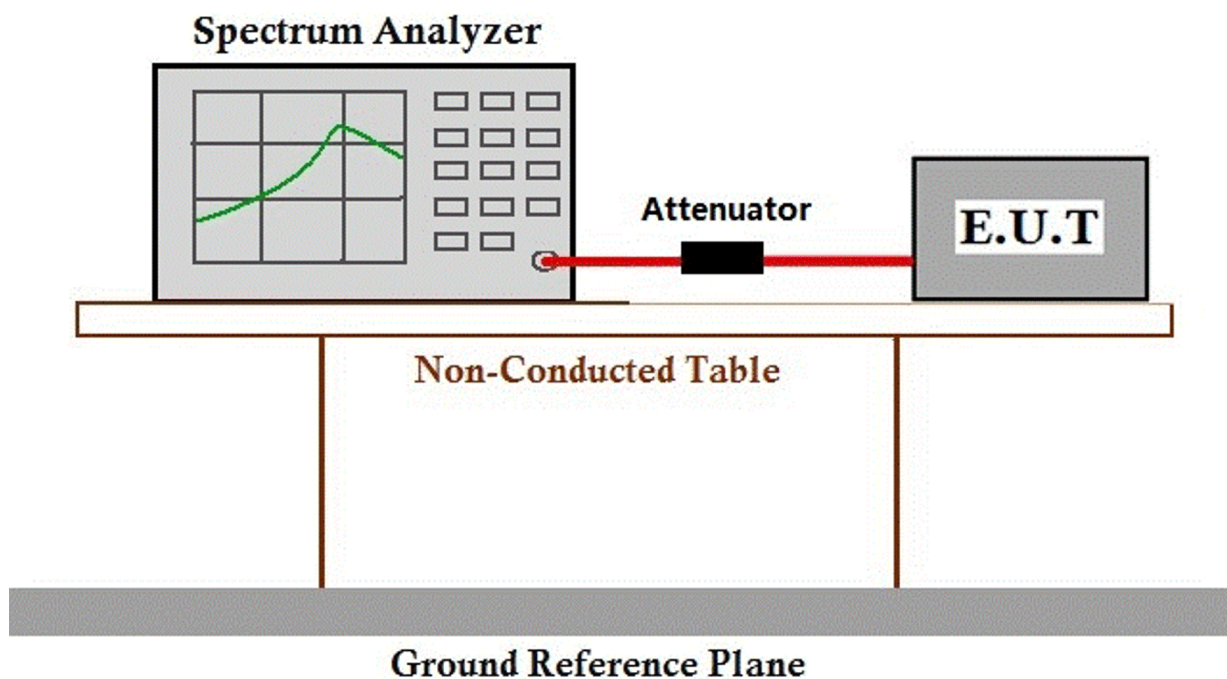
7.3 Power Spectrum Density

Test Requirement: 47 CFR Part 15, Subpart C 15.247(e)
 Test Method: ANSI C63.10 (2013) Section 11.10.2
 Limit: $\leq 8\text{dBm}$ in any 3 kHz band during any time interval of continuous transmission

7.3.1 E.U.T. Operation

Operating Environment:
 Temperature: 23.9 °C Humidity: 53.7 % RH Atmospheric Pressure: 1020 mbar
 Test Mode: b: TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.3.2 Test Setup Diagram



7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247



7.4 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

Test Method: ANSI C63.10 (2013) Section 11.13.3.2

Limit: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c))



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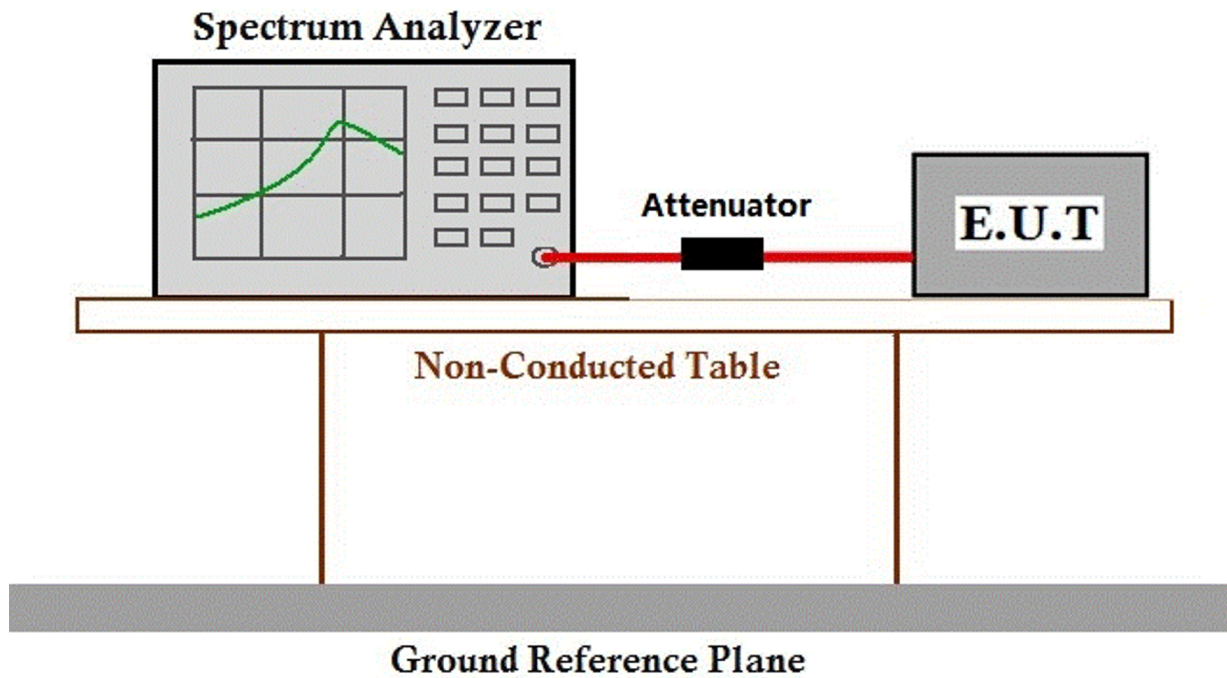
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7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.9 °C Humidity: 53.7 % RH Atmospheric Pressure: 1020 mbar
 Test Mode: b: TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.4.2 Test Setup Diagram



7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247



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7.5 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

Test Method: ANSI C63.10 (2013) Section 11.11

Limit: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c))



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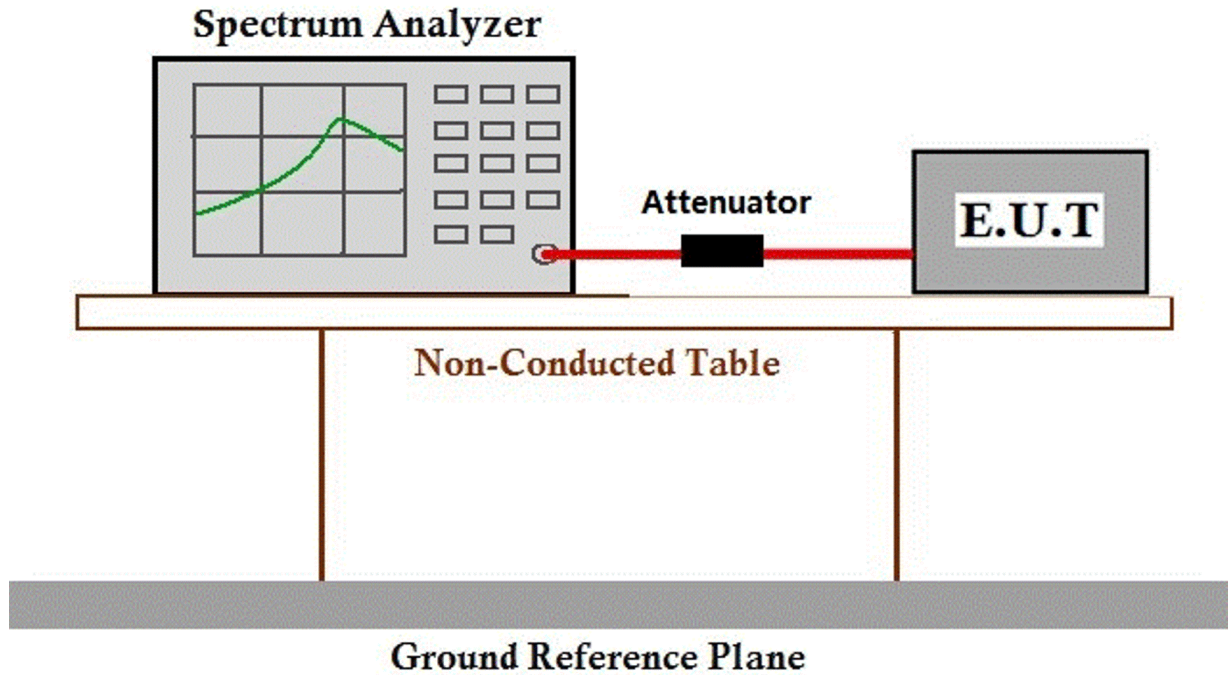
7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23.9 °C Humidity: 53.7 % RH Atmospheric Pressure: 1020 mbar

Test Mode: b: TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.5.2 Test Setup Diagram



7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247



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7.6 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.10.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



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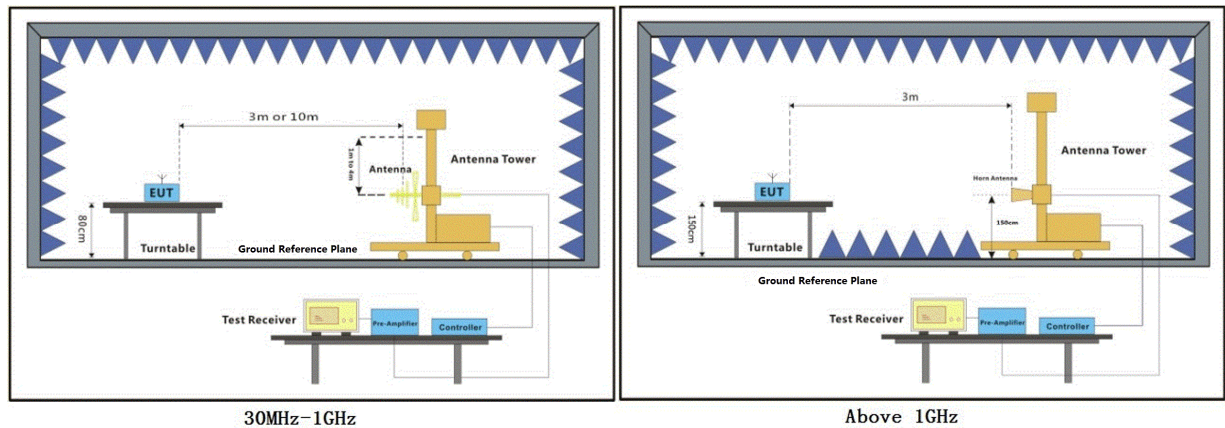
7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 26.1 °C Humidity: 53.3 % RH Atmospheric Pressure: 1020 mbar

Test Mode: b: TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.6.2 Test Setup Diagram



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7.6.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

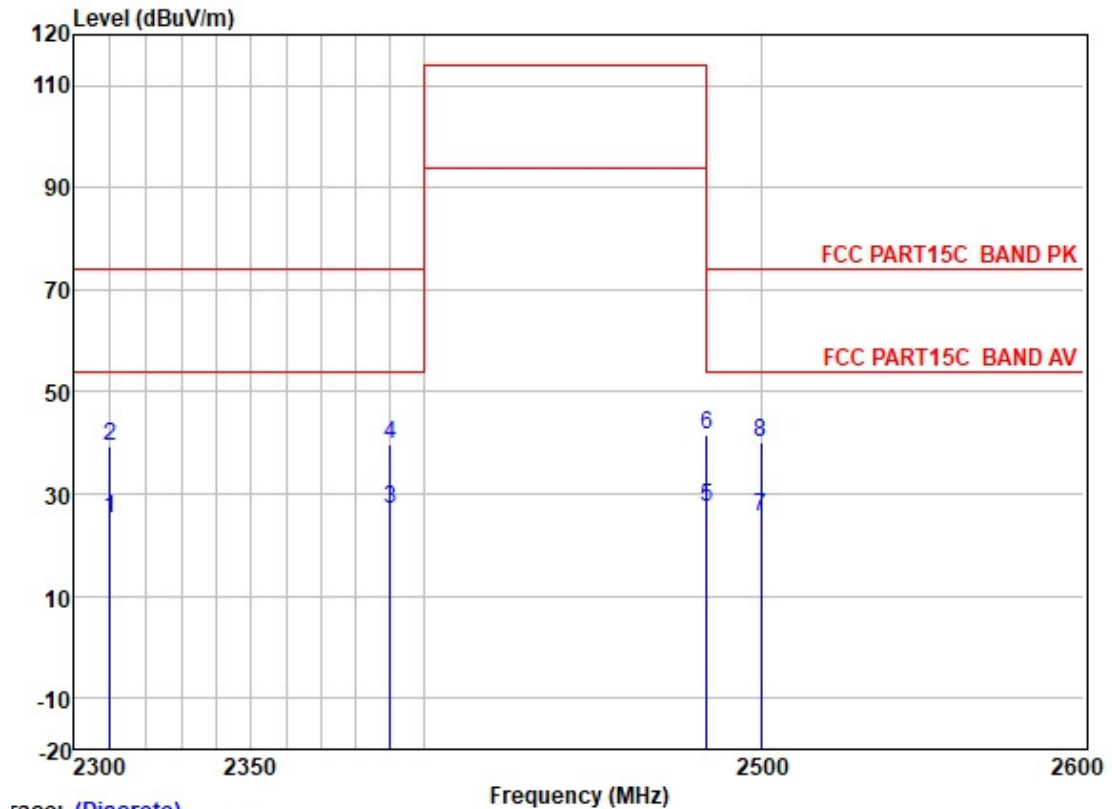
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor



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Mode:b; Polarization:Horizontal; Modulation:GFSK; ; Channel:Low



Trace: (Discrete)

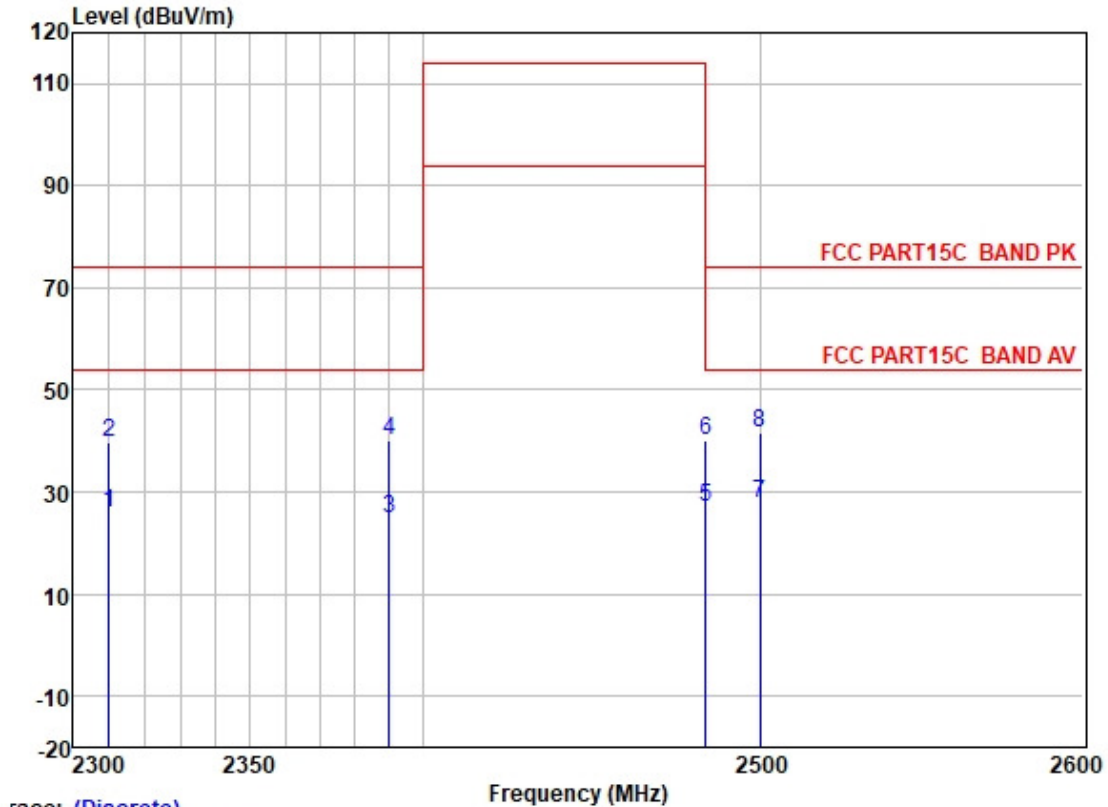
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	2310.000	31.74	27.15	3.32	36.94	25.27	54.00	-28.73	HORIZONTAL	Average
2	2310.000	45.78	27.15	3.32	36.94	39.31	74.00	-34.69	HORIZONTAL	Peak
3	2390.000	33.08	27.33	3.48	36.92	26.97	54.00	-27.03	HORIZONTAL	Average
4	2390.000	46.01	27.33	3.48	36.92	39.90	74.00	-34.10	HORIZONTAL	Peak
5	2483.500	33.26	27.48	3.53	36.90	27.37	54.00	-26.63	HORIZONTAL	Average
6	2483.500	47.58	27.48	3.53	36.90	41.69	74.00	-32.31	HORIZONTAL	Peak
7	2500.000	31.36	27.50	3.40	36.89	25.37	54.00	-28.63	HORIZONTAL	Average
8	2500.000	46.25	27.50	3.40	36.89	40.26	74.00	-33.74	HORIZONTAL	Peak



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Mode:b; Polarization:Vertical; Modulation:GFSK; ; Channel:Low



Trace: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	2310.000	32.34	27.15	3.32	36.94	25.87	54.00	-28.13	VERTICAL	Average
2	2310.000	46.03	27.15	3.32	36.94	39.56	74.00	-34.44	VERTICAL	Peak
3	2390.000	30.75	27.33	3.48	36.92	24.64	54.00	-29.36	VERTICAL	Average
4	2390.000	46.39	27.33	3.48	36.92	40.28	74.00	-33.72	VERTICAL	Peak
5	2483.500	32.76	27.48	3.53	36.90	26.87	54.00	-27.13	VERTICAL	Average
6	2483.500	46.05	27.48	3.53	36.90	40.16	74.00	-33.84	VERTICAL	Peak
7	2500.000	33.73	27.50	3.40	36.89	27.74	54.00	-26.26	VERTICAL	Average
8	2500.000	47.46	27.50	3.40	36.89	41.47	74.00	-32.53	VERTICAL	Peak



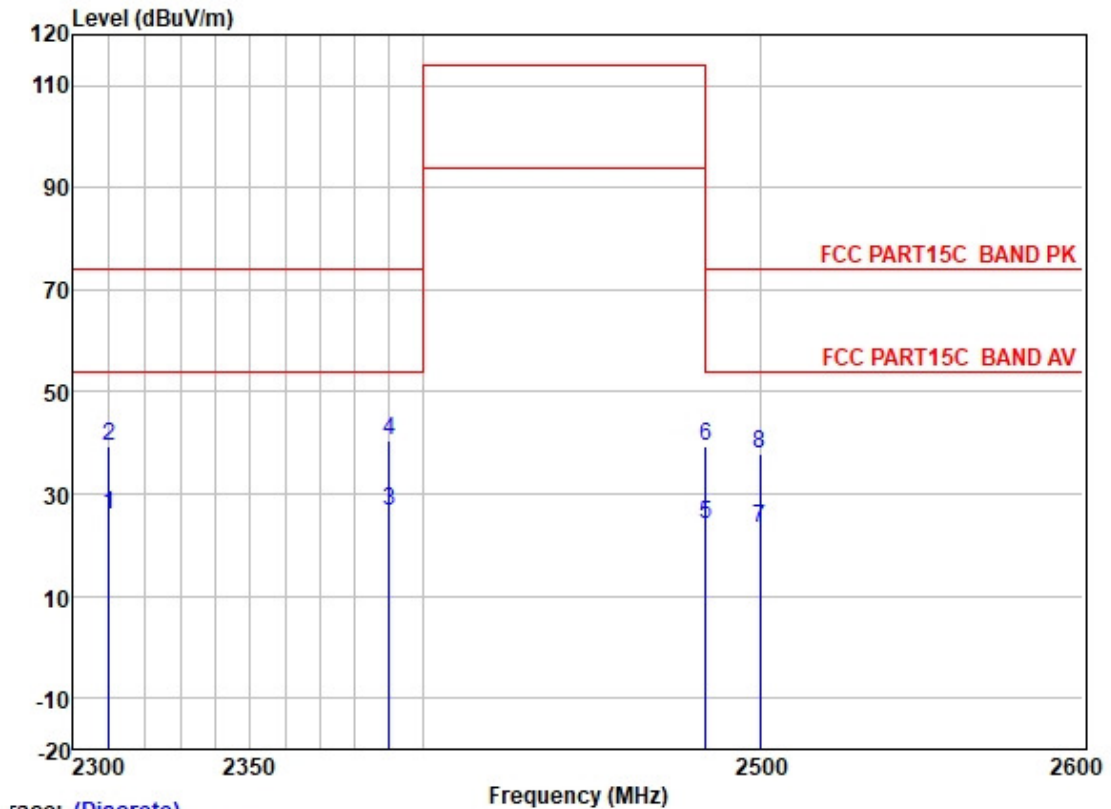
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Mode:b; Polarization:Horizontal; Modulation:GFSK; ; Channel:High



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2310.000	32.46	27.15	3.32	36.94	25.99	54.00	-28.01	HORIZONTAL Average
2	2310.000	46.00	27.15	3.32	36.94	39.53	74.00	-34.47	HORIZONTAL Peak
3	2390.000	32.82	27.33	3.48	36.92	26.71	54.00	-27.29	HORIZONTAL Average
4	2390.000	46.61	27.33	3.48	36.92	40.50	74.00	-33.50	HORIZONTAL Peak
5	2483.500	29.80	27.48	3.53	36.90	23.91	54.00	-30.09	HORIZONTAL Average
6	2483.500	45.38	27.48	3.53	36.90	39.49	74.00	-34.51	HORIZONTAL Peak
7	2500.000	29.13	27.50	3.40	36.89	23.14	54.00	-30.86	HORIZONTAL Average
8	2500.000	44.02	27.50	3.40	36.89	38.03	74.00	-35.97	HORIZONTAL Peak



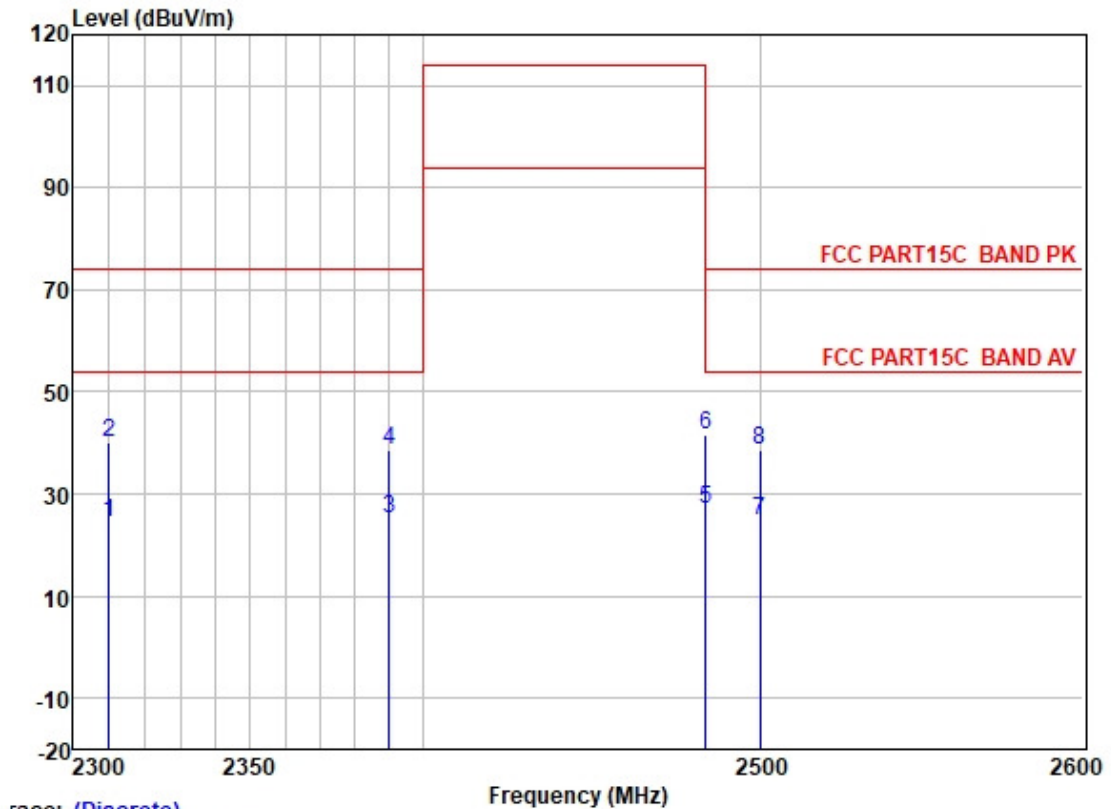
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Mode:b; Polarization:Vertical; Modulation:GFSK; ; Channel:High



Trace: (Discrete)

	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 2310.000	30.85	27.15	3.32	36.94	24.38	54.00	-29.62	VERTICAL	Average
2 2310.000	46.49	27.15	3.32	36.94	40.02	74.00	-33.98	VERTICAL	Peak
3 2390.000	31.44	27.33	3.48	36.92	25.33	54.00	-28.67	VERTICAL	Average
4 2390.000	44.91	27.33	3.48	36.92	38.80	74.00	-35.20	VERTICAL	Peak
5 2483.500	32.85	27.48	3.53	36.90	26.96	54.00	-27.04	VERTICAL	Average
6 2483.500	47.36	27.48	3.53	36.90	41.47	74.00	-32.53	VERTICAL	Peak
7 2500.000	30.91	27.50	3.40	36.89	24.92	54.00	-29.08	VERTICAL	Average
8 2500.000	44.66	27.50	3.40	36.89	38.67	74.00	-35.33	VERTICAL	Peak



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7.7 Radiated Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4,6.5,6.6

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



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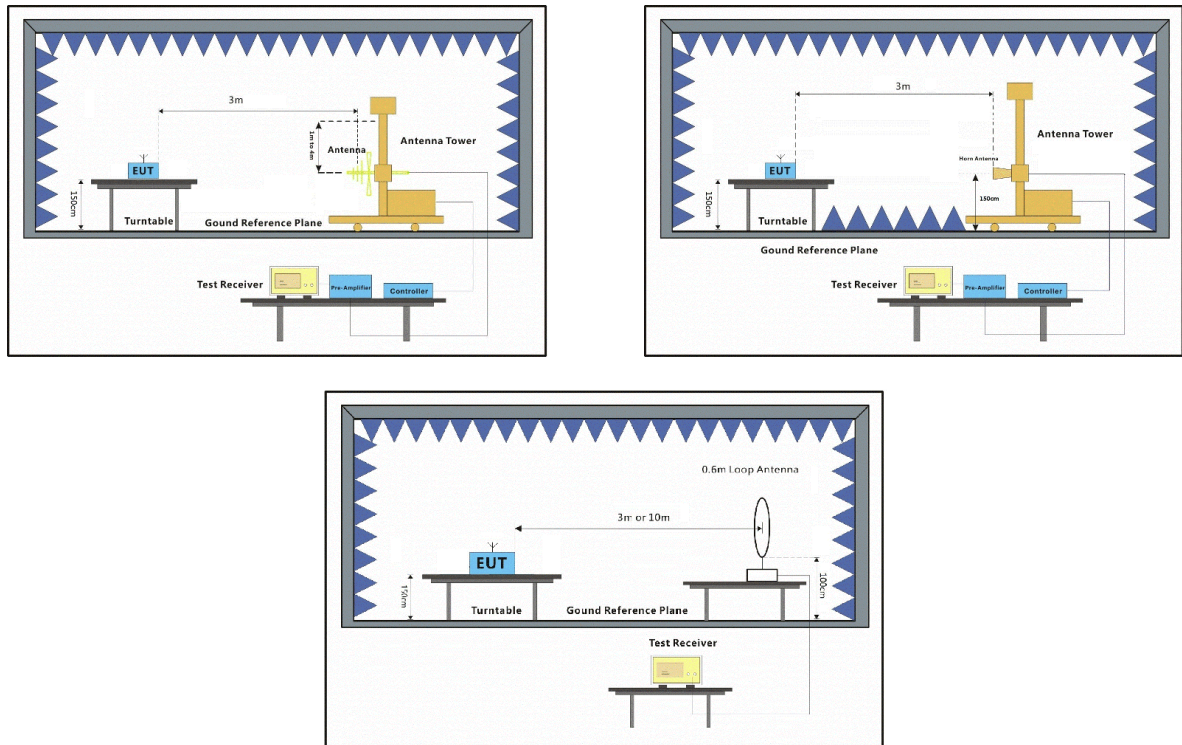
7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 26.1 °C Humidity: 53.3 % RH Atmospheric Pressure: 1020 mbar

Test Mode: b: TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.7.2 Test Setup Diagram



7.7.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

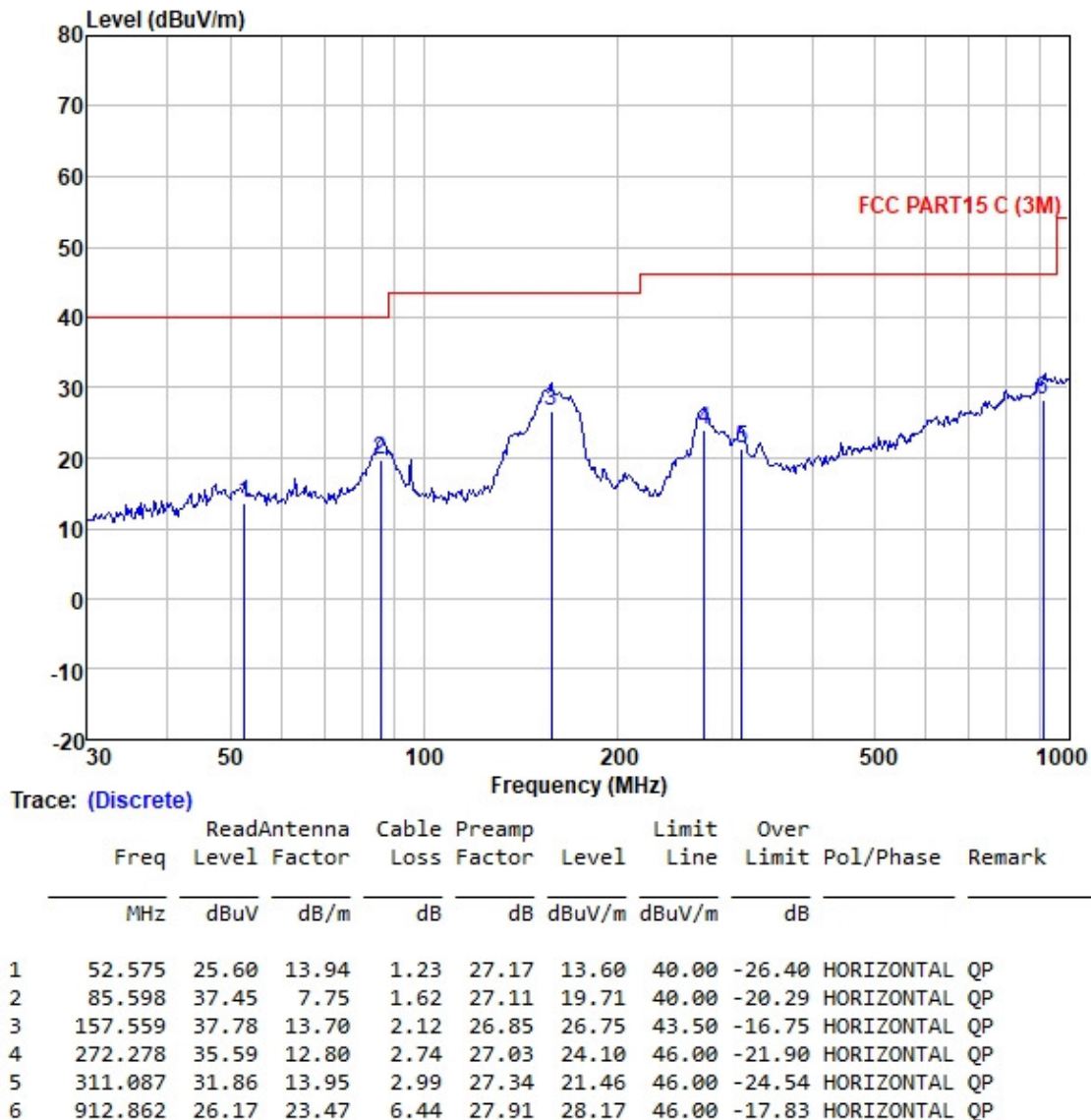
- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown



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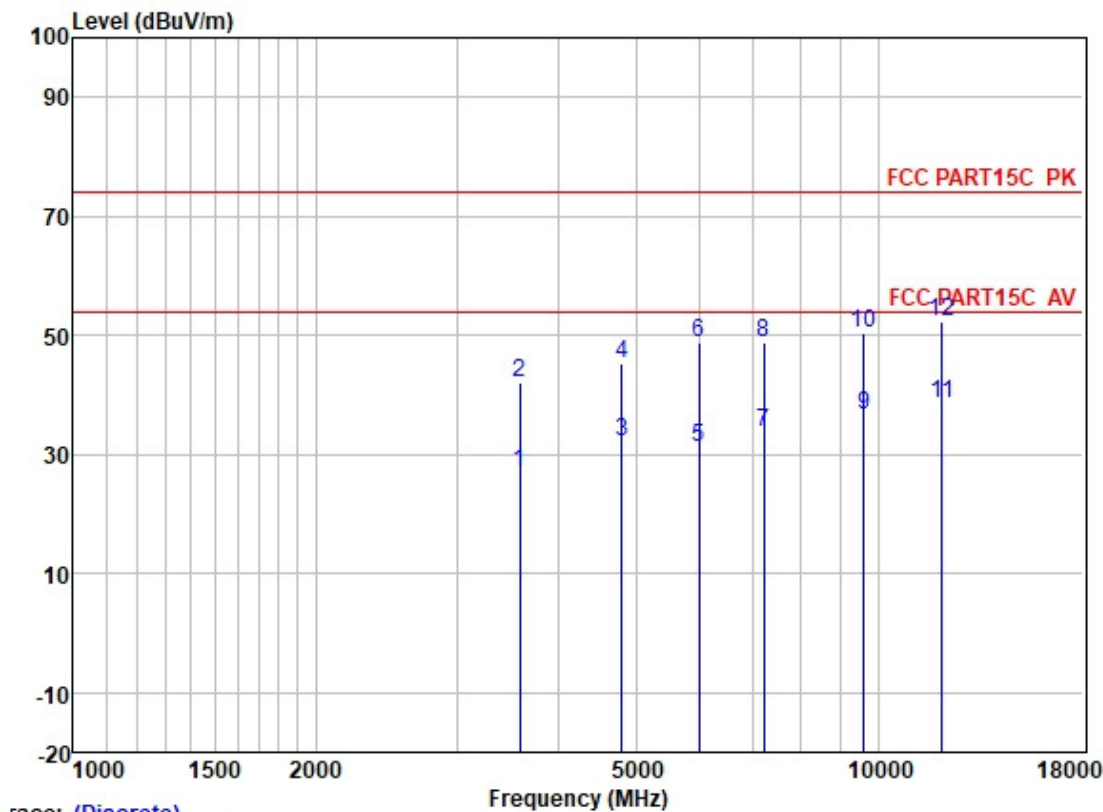
Mode:b; Polarization:Horizontal; Modulation:GFSK; ; Channel:Low



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Trace: (Discrete)

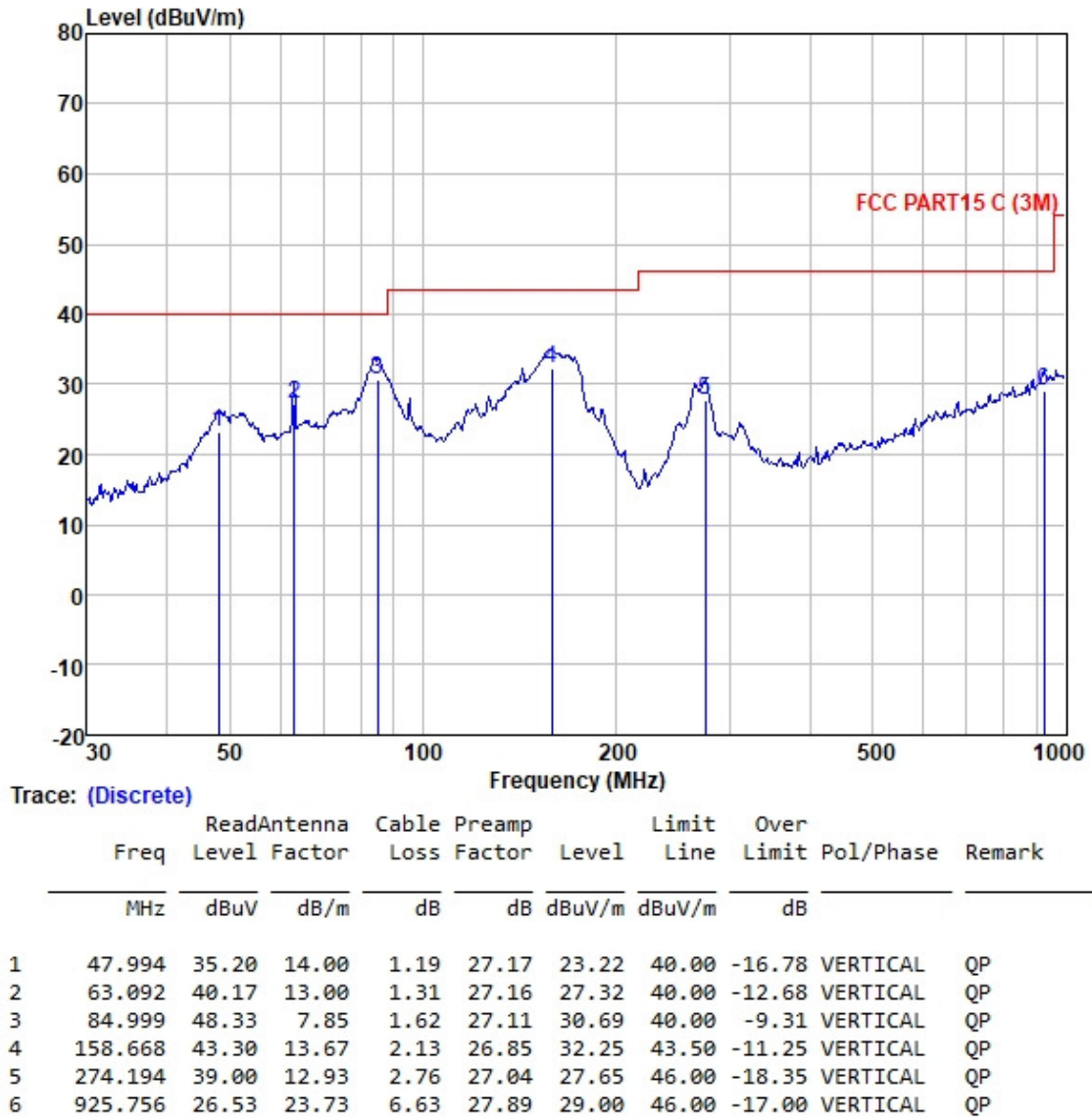
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	3587.818	30.00	29.02	4.49	36.44	27.07	54.00	-26.93	HORIZONTAL	Average
2	3587.818	44.93	29.02	4.49	36.44	42.00	74.00	-32.00	HORIZONTAL	Peak
3	4804.993	31.72	31.42	5.40	36.48	32.06	54.00	-21.94	HORIZONTAL	Average
4	4804.993	44.98	31.42	5.40	36.48	45.32	74.00	-28.68	HORIZONTAL	Peak
5	5995.172	29.29	32.40	6.20	36.60	31.29	54.00	-22.71	HORIZONTAL	Average
6	5995.172	46.79	32.40	6.20	36.60	48.79	74.00	-25.21	HORIZONTAL	Peak
7	7206.882	29.13	35.54	5.98	36.75	33.90	54.00	-20.10	HORIZONTAL	Average
8	7206.882	43.92	35.54	5.98	36.75	48.69	74.00	-25.31	HORIZONTAL	Peak
9	9608.187	27.70	38.37	7.07	36.36	36.78	54.00	-17.22	HORIZONTAL	Average
10	9608.187	41.29	38.37	7.07	36.36	50.37	74.00	-23.63	HORIZONTAL	Peak
11	12010.210	27.80	38.90	8.19	36.40	38.49	54.00	-15.51	HORIZONTAL	Average
12	12010.210	41.66	38.90	8.19	36.40	52.35	74.00	-21.65	HORIZONTAL	Peak



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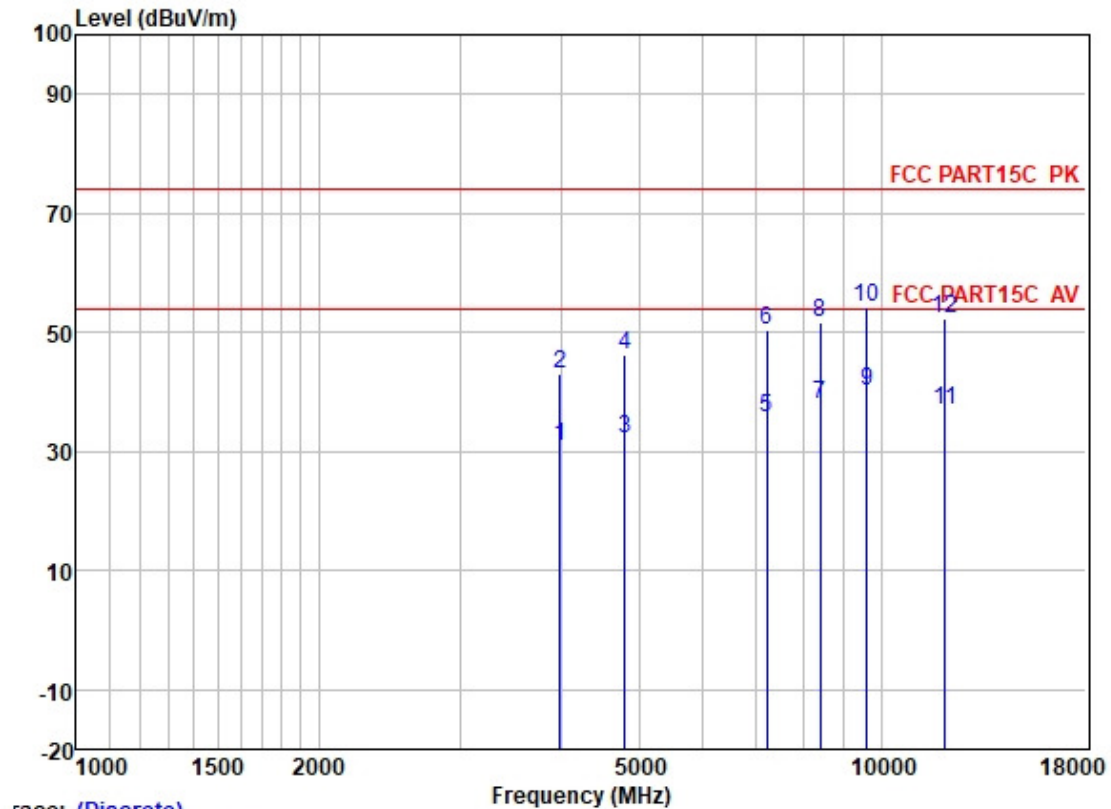
Mode:b; Polarization:Vertical; Modulation:GFSK; ; Channel:Low



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Mode:b; Polarization:Vertical; Modulation:GFSK; ; Channel:Low



Trace: (Discrete)

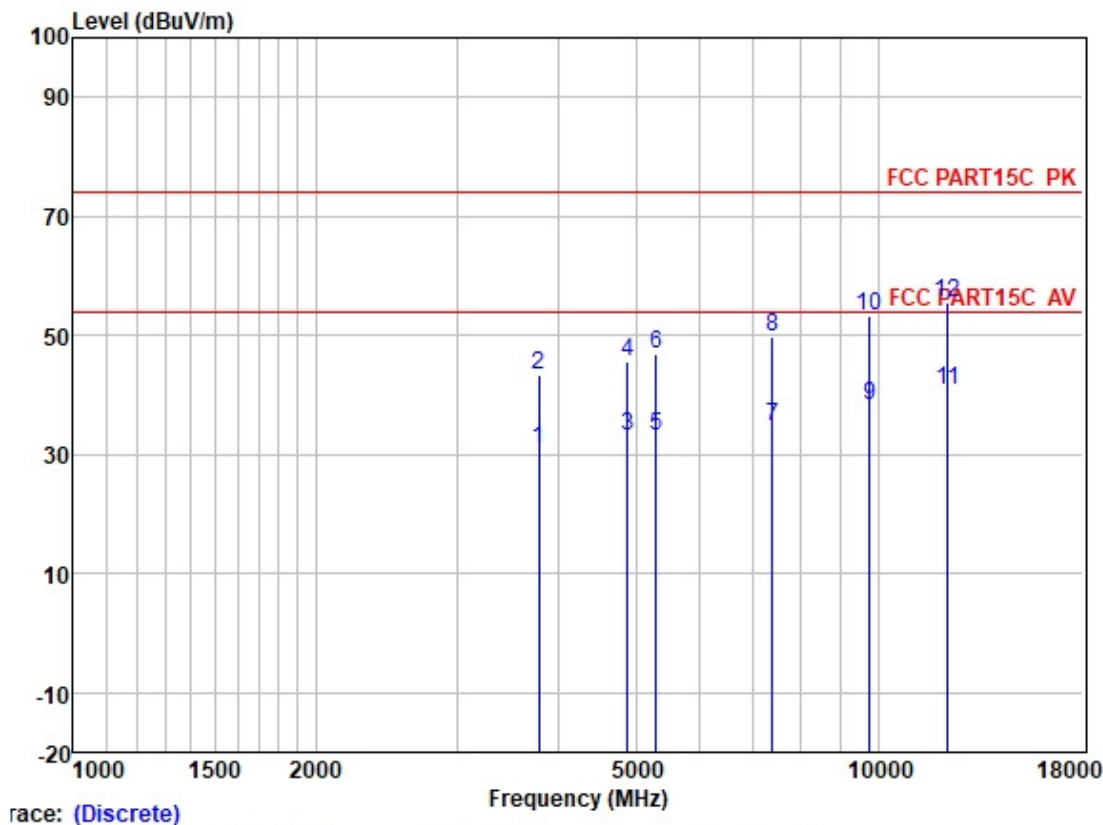
	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit		
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	3992.781	32.84	29.79	4.60	36.40	30.83	54.00	-23.17	VERTICAL Average
2	3992.781	45.08	29.79	4.60	36.40	43.07	74.00	-30.93	VERTICAL Peak
3	4804.151	31.94	31.42	5.40	36.48	32.28	54.00	-21.72	VERTICAL Average
4	4804.151	45.96	31.42	5.40	36.48	46.30	74.00	-27.70	VERTICAL Peak
5	7206.038	30.77	35.54	5.98	36.75	35.54	54.00	-18.46	VERTICAL Average
6	7206.038	45.57	35.54	5.98	36.75	50.34	74.00	-23.66	VERTICAL Peak
7	8392.292	31.03	37.08	6.61	36.73	37.99	54.00	-16.01	VERTICAL Average
8	8392.292	44.63	37.08	6.61	36.73	51.59	74.00	-22.41	VERTICAL Peak
9	9608.149	31.18	38.37	7.07	36.36	40.26	54.00	-13.74	VERTICAL Average
10	9608.149	45.09	38.37	7.07	36.36	54.17	74.00	-19.83	VERTICAL Peak
11	12010.950	26.19	38.90	8.19	36.40	36.88	54.00	-17.12	VERTICAL Average
12	12010.950	41.54	38.90	8.19	36.40	52.23	74.00	-21.77	VERTICAL Peak



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Mode:b; Polarization:Horizontal; Modulation:GFSK; ; Channel:middle



Trace: (Discrete)

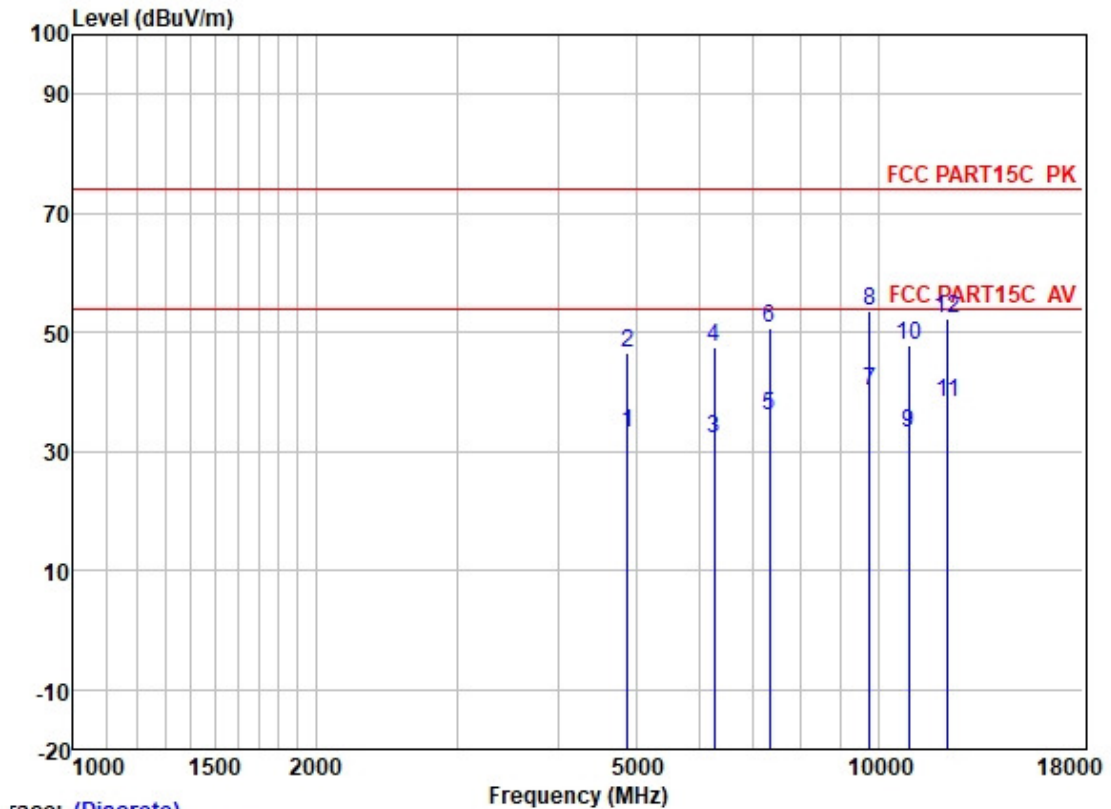
	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit	dB	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	3790.361	33.05	29.50	4.60	36.42	30.73	54.00	-23.27	HORIZONTAL Average
2	3790.361	45.81	29.50	4.60	36.42	43.49	74.00	-30.51	HORIZONTAL Peak
3	4884.977	32.47	31.56	5.52	36.50	33.05	54.00	-20.95	HORIZONTAL Average
4	4884.977	45.03	31.56	5.52	36.50	45.61	74.00	-28.39	HORIZONTAL Peak
5	5300.200	31.87	31.76	6.10	36.56	33.17	54.00	-20.83	HORIZONTAL Average
6	5300.200	45.46	31.76	6.10	36.56	46.76	74.00	-27.24	HORIZONTAL Peak
7	7386.664	29.27	36.17	6.19	36.77	34.86	54.00	-19.14	HORIZONTAL Average
8	7386.664	44.30	36.17	6.19	36.77	49.89	74.00	-24.11	HORIZONTAL Peak
9	9768.123	29.14	38.53	7.01	36.33	38.35	54.00	-15.65	HORIZONTAL Average
10	9768.123	44.09	38.53	7.01	36.33	53.30	74.00	-20.70	HORIZONTAL Peak
11	12210.520	30.43	38.74	8.08	36.30	40.95	54.00	-13.05	HORIZONTAL Average
12	12210.520	45.06	38.74	8.08	36.30	55.58	74.00	-18.42	HORIZONTAL Peak



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Mode:b; Polarization:Vertical; Modulation:GFSK; ; Channel:middle



Trace: (Discrete)

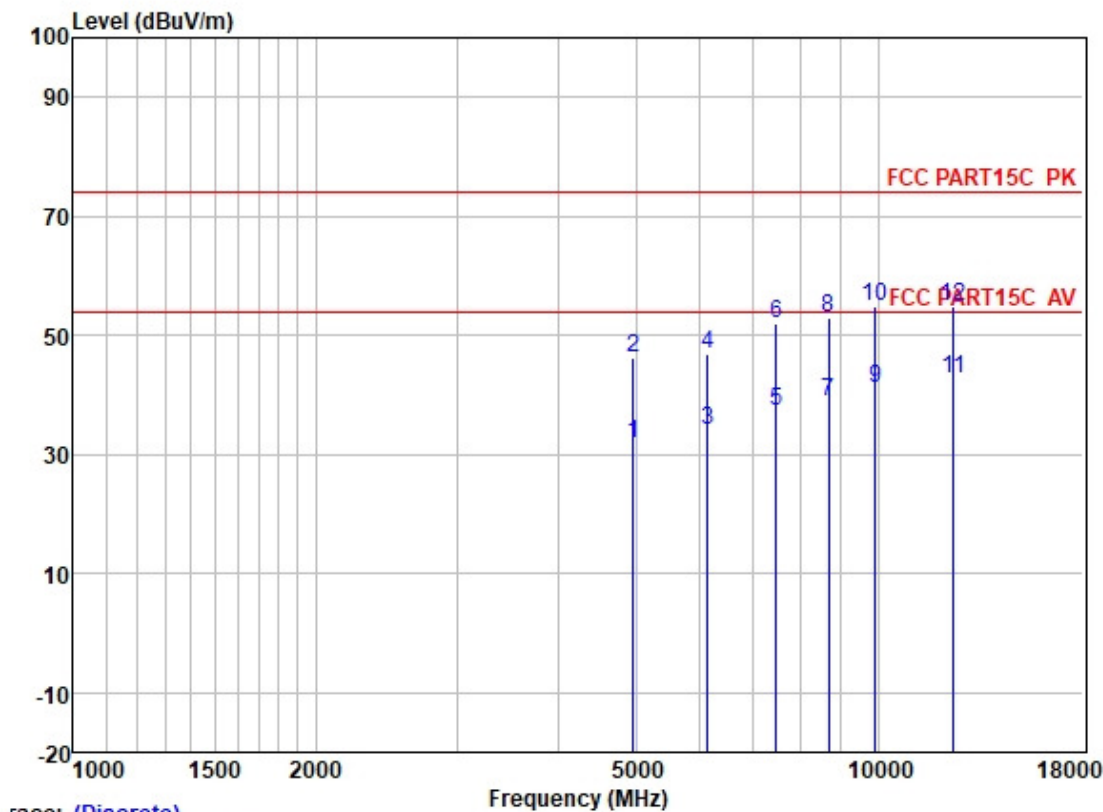
	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit		
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4884.490	32.51	31.56	5.52	36.50	33.09	54.00	-20.91	VERTICAL Average
2	4884.490	45.89	31.56	5.52	36.50	46.47	74.00	-27.53	VERTICAL Peak
3	6249.464	29.49	33.20	6.02	36.61	32.10	54.00	-21.90	VERTICAL Average
4	6249.464	44.91	33.20	6.02	36.61	47.52	74.00	-26.48	VERTICAL Peak
5	7326.172	30.61	36.00	6.13	36.76	35.98	54.00	-18.02	VERTICAL Average
6	7326.172	45.50	36.00	6.13	36.76	50.87	74.00	-23.13	VERTICAL Peak
7	9768.180	30.84	38.53	7.01	36.33	40.05	54.00	-13.95	VERTICAL Average
8	9768.180	44.48	38.53	7.01	36.33	53.69	74.00	-20.31	VERTICAL Peak
9	10917.180	21.84	40.01	7.67	36.35	33.17	54.00	-20.83	VERTICAL Average
10	10917.180	36.47	40.01	7.67	36.35	47.80	74.00	-26.20	VERTICAL Peak
11	12210.390	27.78	38.74	8.08	36.30	38.30	54.00	-15.70	VERTICAL Average
12	12210.390	41.79	38.74	8.08	36.30	52.31	74.00	-21.69	VERTICAL Peak



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Mode:b; Polarization:Horizontal; Modulation:GFSK; ; Channel:High



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	4960.136	31.14	31.65	5.65	36.52	31.92	54.00	-22.08	HORIZONTAL Average
2	4960.136	45.35	31.65	5.65	36.52	46.13	74.00	-27.87	HORIZONTAL Peak
3	6142.019	31.67	32.77	6.12	36.61	33.95	54.00	-20.05	HORIZONTAL Average
4	6142.019	44.74	32.77	6.12	36.61	47.02	74.00	-26.98	HORIZONTAL Peak
5	7476.006	31.42	36.36	6.25	36.77	37.26	54.00	-16.74	HORIZONTAL Average
6	7476.006	46.08	36.36	6.25	36.77	51.92	74.00	-22.08	HORIZONTAL Peak
7	8688.480	31.38	37.28	7.02	36.65	39.03	54.00	-14.97	HORIZONTAL Average
8	8688.480	45.17	37.28	7.02	36.65	52.82	74.00	-21.18	HORIZONTAL Peak
9	9920.432	31.70	38.65	6.96	36.31	41.00	54.00	-13.00	HORIZONTAL Average
10	9920.432	45.56	38.65	6.96	36.31	54.86	74.00	-19.14	HORIZONTAL Peak
11	12400.520	32.47	38.57	7.97	36.17	42.84	54.00	-11.16	HORIZONTAL Average
12	12400.520	44.55	38.57	7.97	36.17	54.92	74.00	-19.08	HORIZONTAL Peak



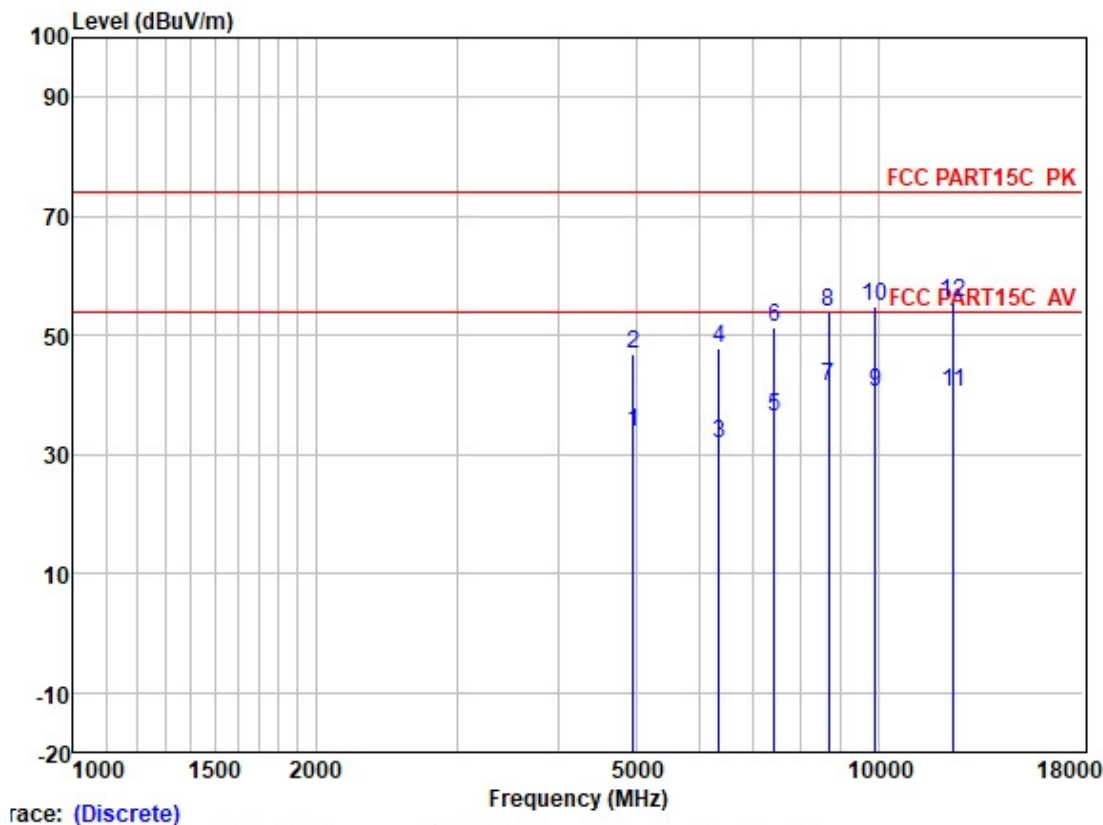
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Guangzhou Branch Testing Center EEC Laboratory

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Mode:b; Polarization:Vertical; Modulation:GFSK; ; Channel:High



Trace: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	4960.007	33.00	31.65	5.65	36.52	33.78	54.00	-20.22	VERTICAL	Average
2	4960.007	46.01	31.65	5.65	36.52	46.79	74.00	-27.21	VERTICAL	Peak
3	6340.436	28.92	33.57	5.94	36.62	31.81	54.00	-22.19	VERTICAL	Average
4	6340.436	44.88	33.57	5.94	36.62	47.77	74.00	-26.23	VERTICAL	Peak
5	7440.114	30.59	36.27	6.22	36.77	36.31	54.00	-17.69	VERTICAL	Average
6	7440.114	45.64	36.27	6.22	36.77	51.36	74.00	-22.64	VERTICAL	Peak
7	8688.480	33.77	37.28	7.02	36.65	41.42	54.00	-12.58	VERTICAL	Average
8	8688.480	46.12	37.28	7.02	36.65	53.77	74.00	-20.23	VERTICAL	Peak
9	9920.684	31.11	38.65	6.96	36.31	40.41	54.00	-13.59	VERTICAL	Average
10	9920.684	45.44	38.65	6.96	36.31	54.74	74.00	-19.26	VERTICAL	Peak
11	12400.520	30.05	38.57	7.97	36.17	40.42	54.00	-13.58	VERTICAL	Average
12	12400.520	45.25	38.57	7.97	36.17	55.62	74.00	-18.38	VERTICAL	Peak



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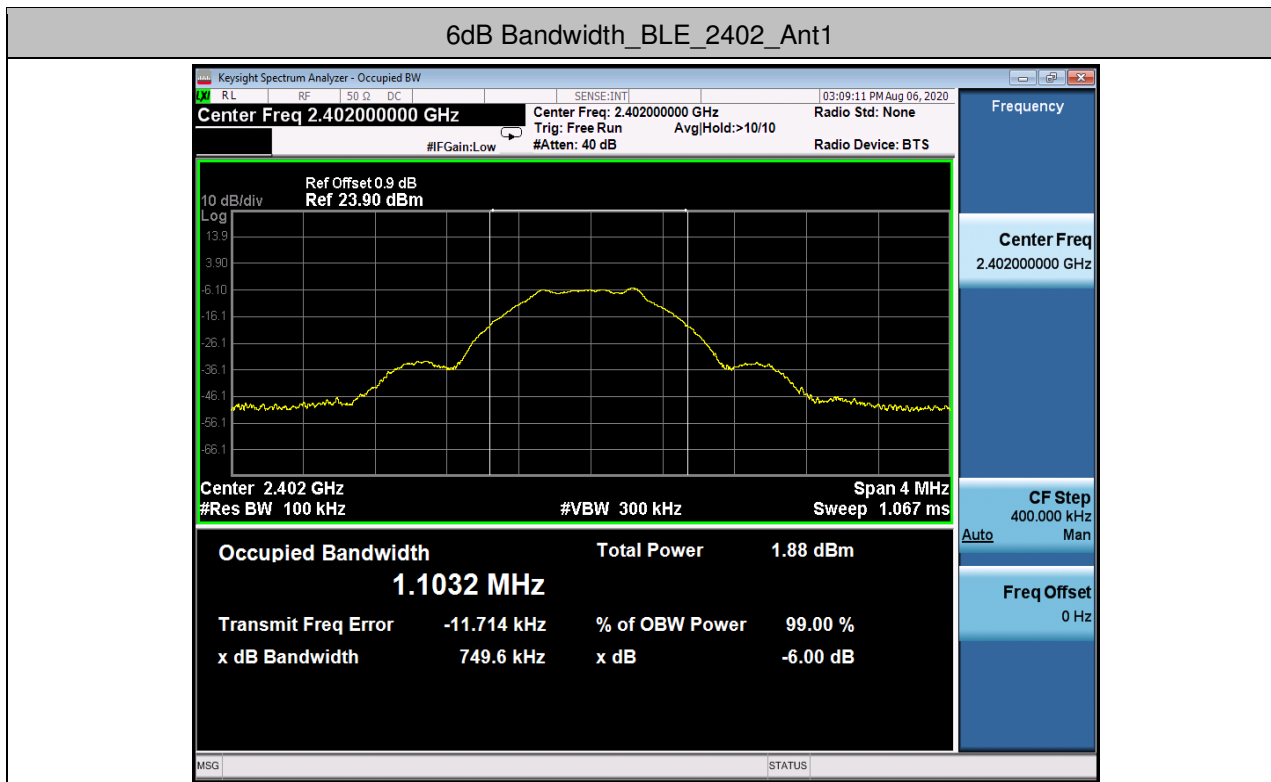
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8 Appendix(Cable loss=0.9dB)

8.1 Appendix 15.247

1.6dB Bandwidth

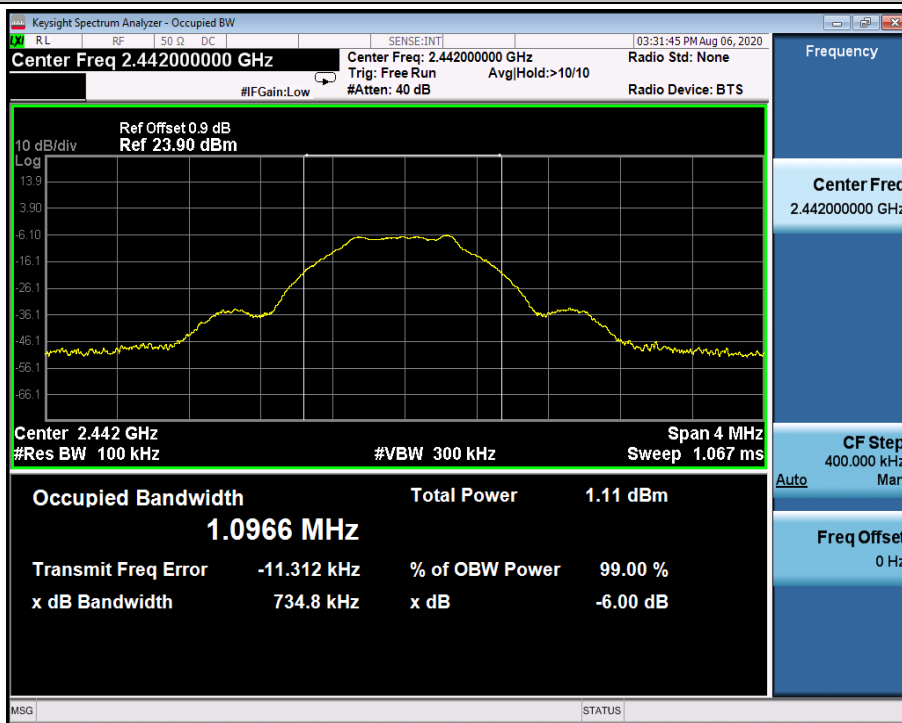
Test Mode	Test Channel	Ant	OBW[MHz]	EBW[MHz]	Limit	Verdict
BLE	2402	Ant1	1.1034	0.7496	0.5	PASS
BLE	2442	Ant1	1.0959	0.7348	0.5	PASS
BLE	2480	Ant1	1.1010	0.7574	0.5	PASS



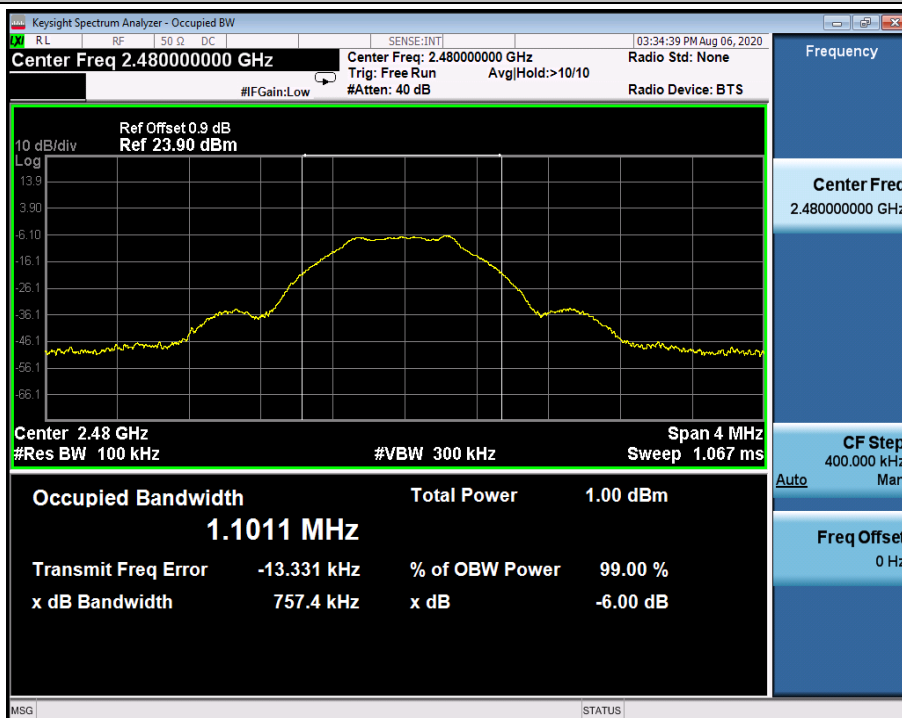
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6dB Bandwidth_BLE_2442_Ant1



6dB Bandwidth_BLE_2480_Ant1

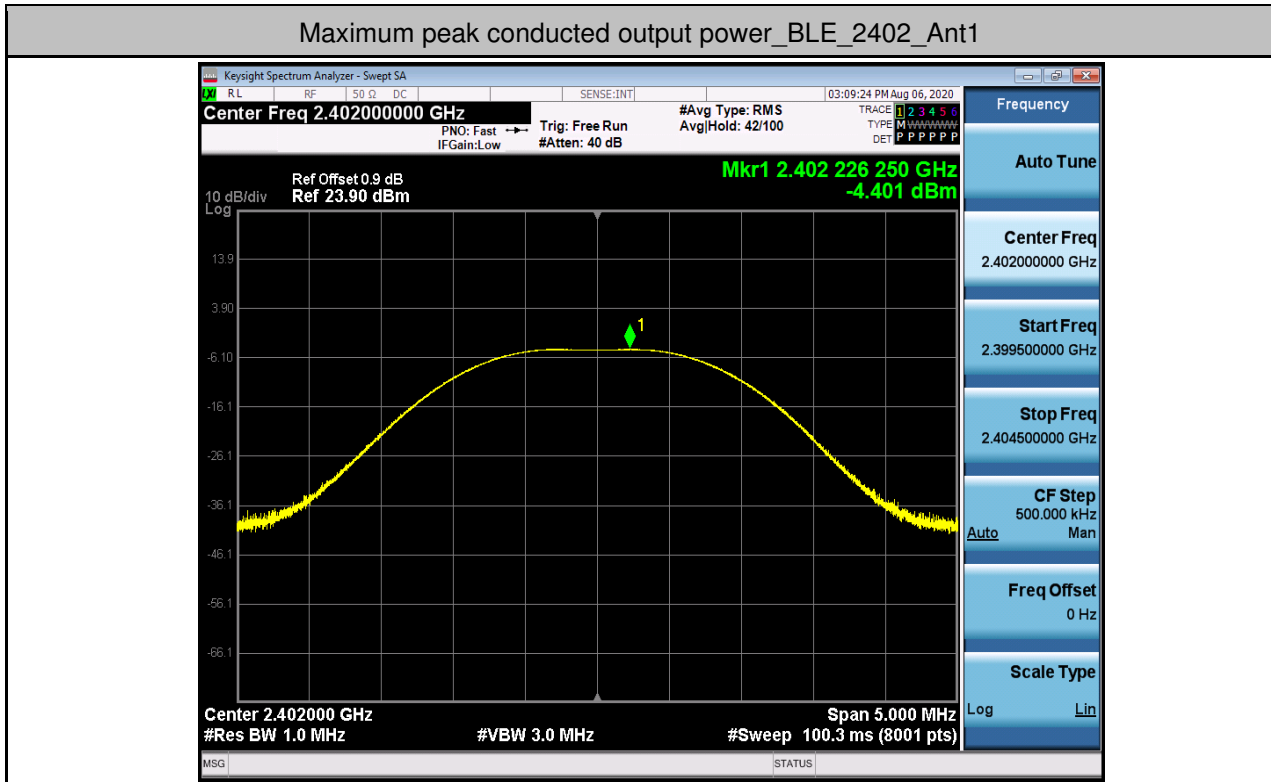


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2.Maximum peak conducted output power

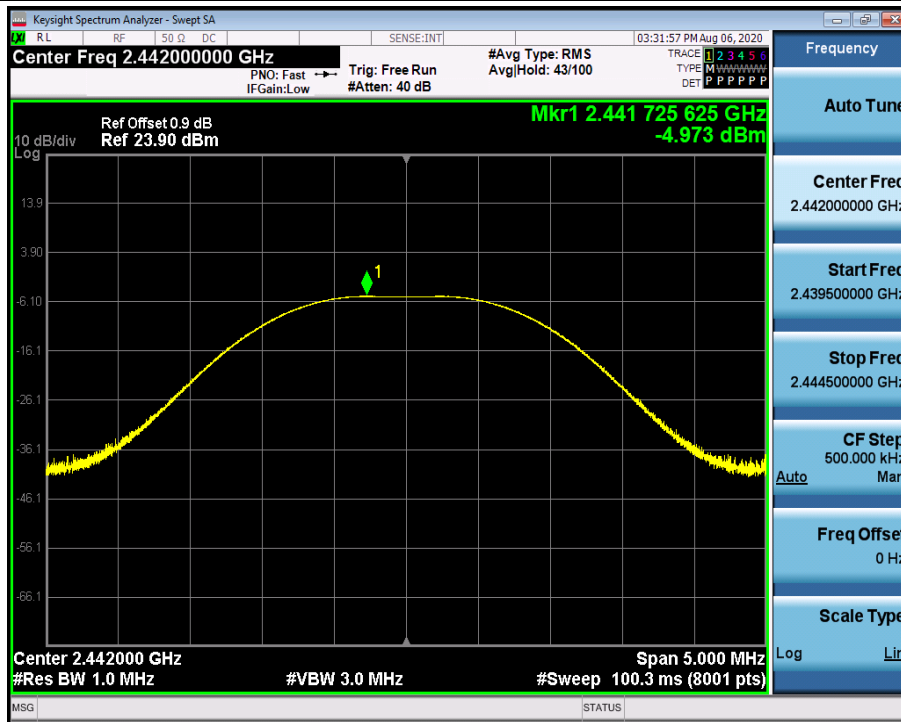
Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
BLE	2402	Ant1	-4.401	30	PASS
BLE	2442	Ant1	-4.973	30	PASS
BLE	2480	Ant1	-5.222	30	PASS



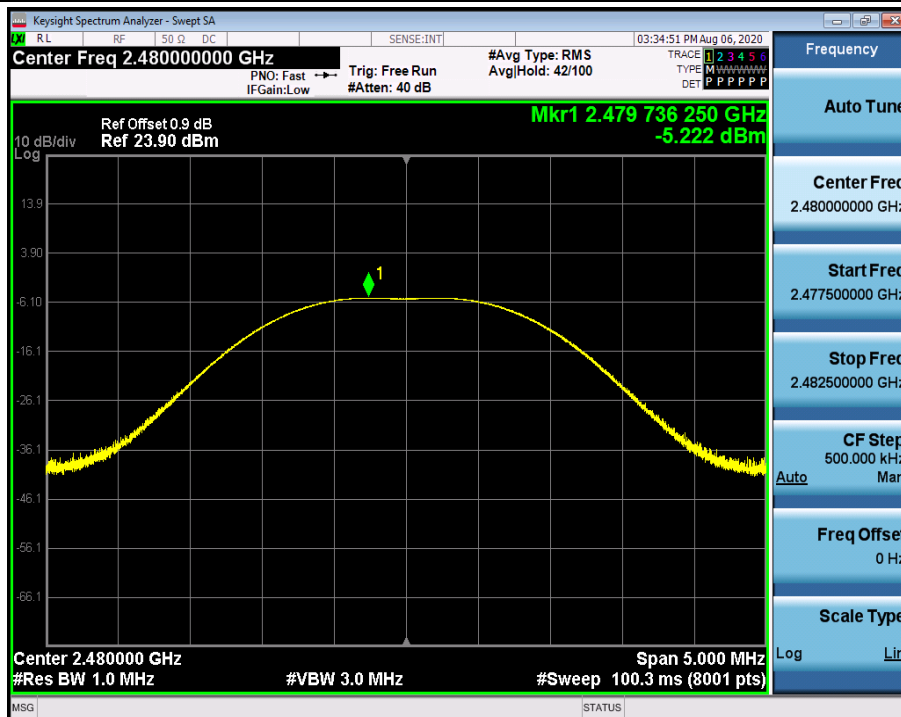
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Maximum peak conducted output power_BLE_2442_Ant1



Maximum peak conducted output power_BLE_2480_Ant1



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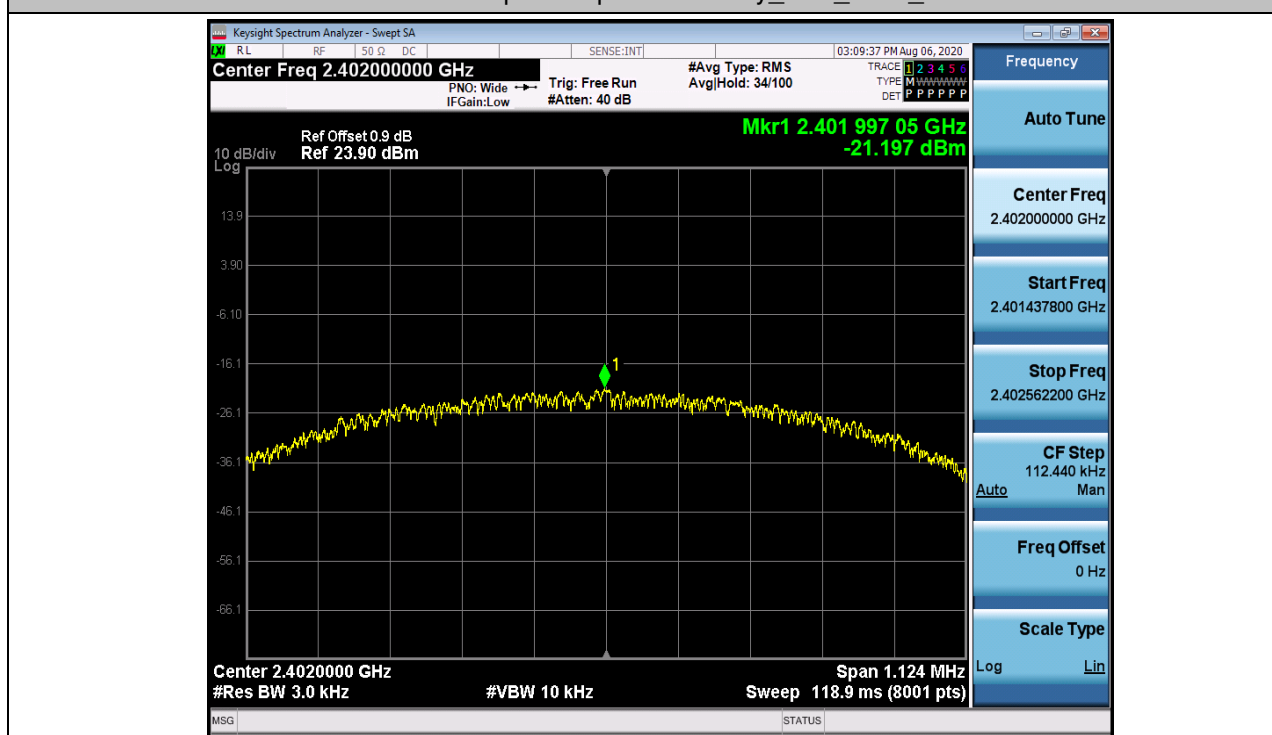
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3.Maximum Peak power spectral density

Test Mode	Test Channel	Ant	Result	Limit[dBm/3kHz]	Verdict
BLE	2402	Ant1	-21.197	8.00	PASS
BLE	2442	Ant1	-21.538	8.00	PASS
BLE	2480	Ant1	-21.573	8.00	PASS

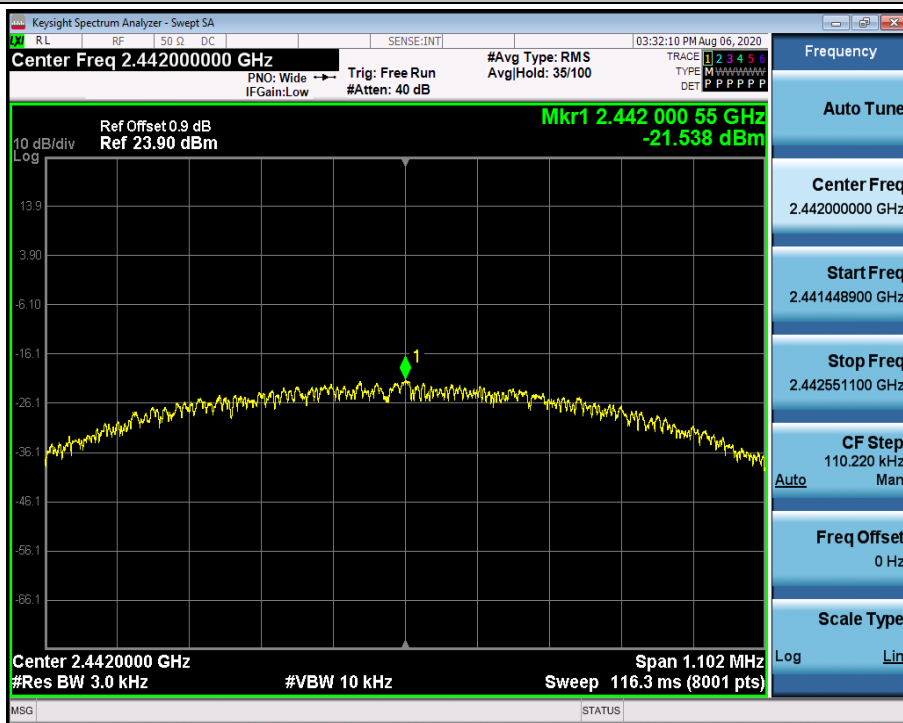
Maximum Peak power spectral density_BLE_2402_Ant1



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Maximum Peak power spectral density_BLE_2442_Ant1



Maximum Peak power spectral density_BLE_2480_Ant1



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4. Band-edge for RF Conducted Emissions

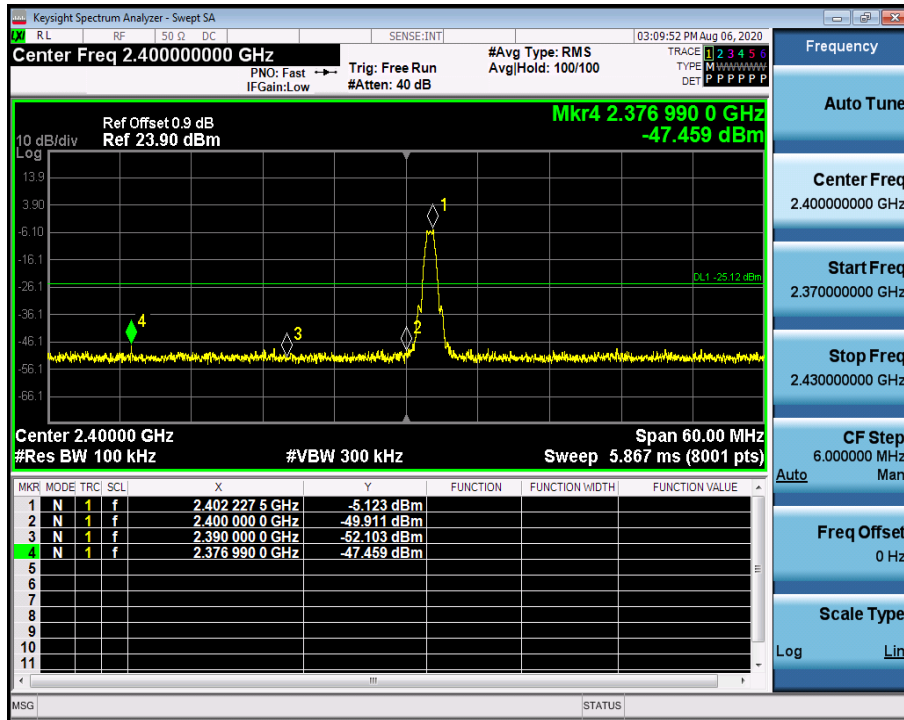
Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
BLE	2402	Ant1	-5.123	-47.459	-25.12	PASS
BLE	2480	Ant1	-5.743	-48.685	-25.74	PASS



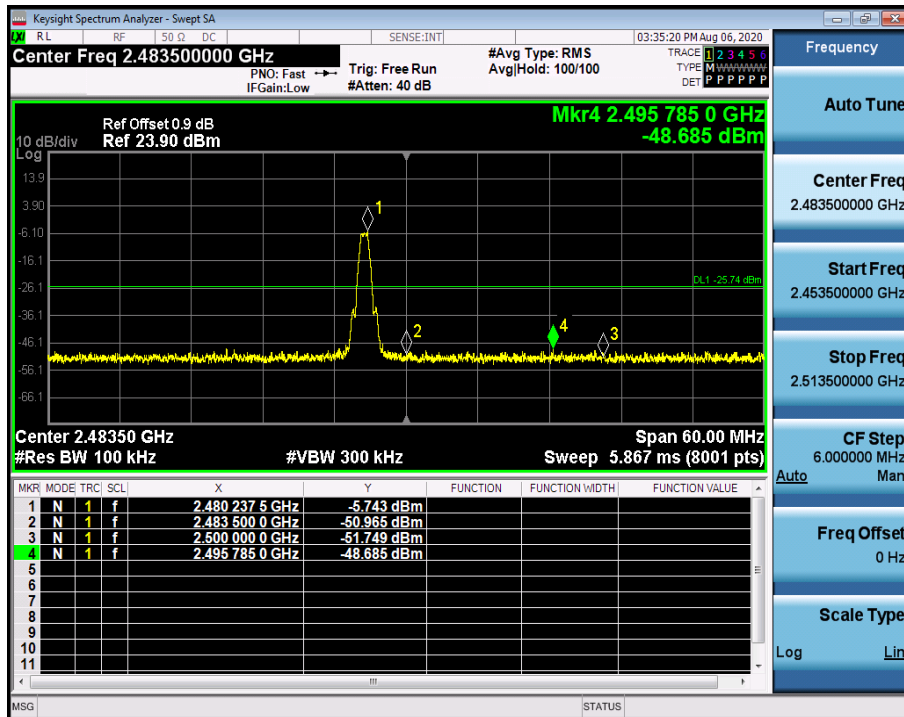
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Band-edge for RF Conducted Emissions_BLE_2402_Ant1



Band-edge for RF Conducted Emissions_BLE_2480_Ant1



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5.RF Conducted Spurious Emissions

Test Mode	Test Channel	Ant	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
BLE	2402	Ant1	30	10000	100	300	-5.198	-54.610	<-25.198	PASS
BLE	2402	Ant1	10000	26000	100	300	-5.198	-52.232	<-25.198	PASS
BLE	2442	Ant1	30	10000	100	300	-5.682	-54.676	<-25.682	PASS
BLE	2442	Ant1	10000	26000	100	300	-5.682	-52.455	<-25.682	PASS
BLE	2480	Ant1	30	10000	100	300	-5.979	-54.258	<-25.979	PASS
BLE	2480	Ant1	10000	26000	100	300	-5.979	-52.567	<-25.979	PASS

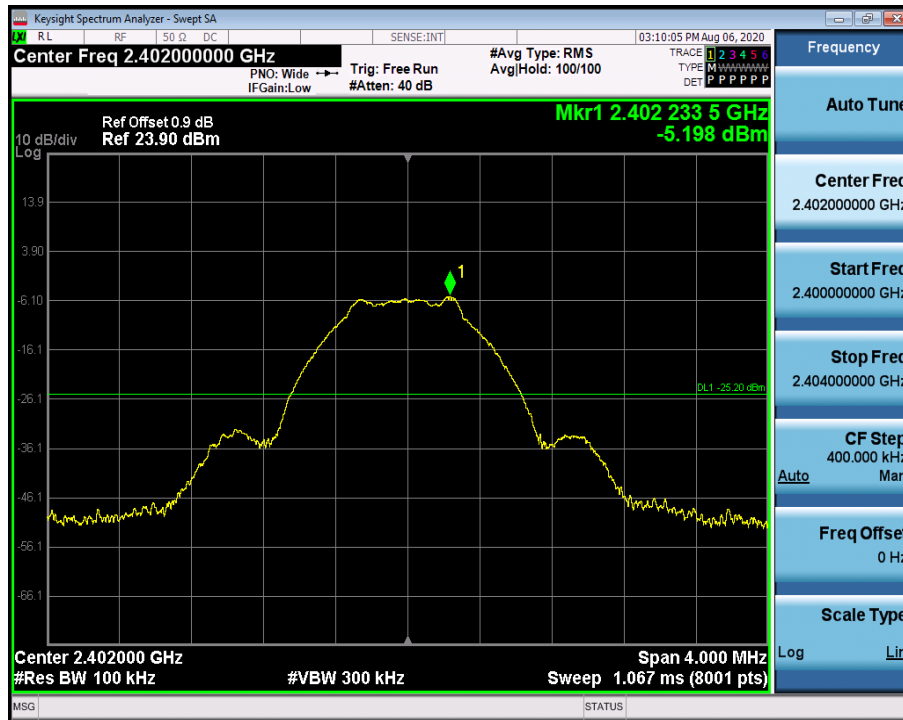


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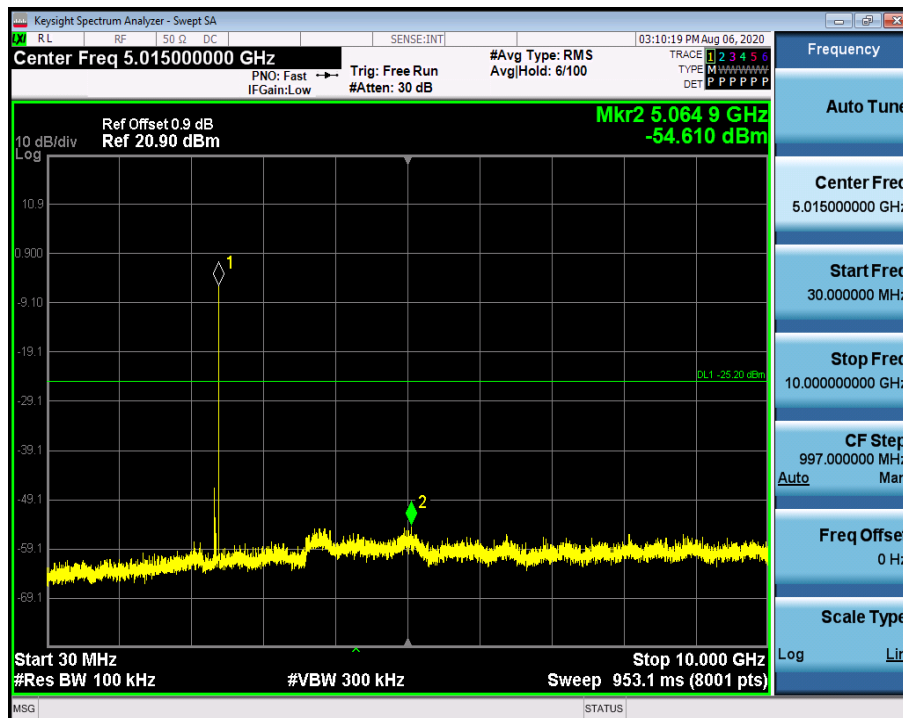
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RF Conducted Spurious Emissions_BLE_2402_Ant1

Pref



CSE_1



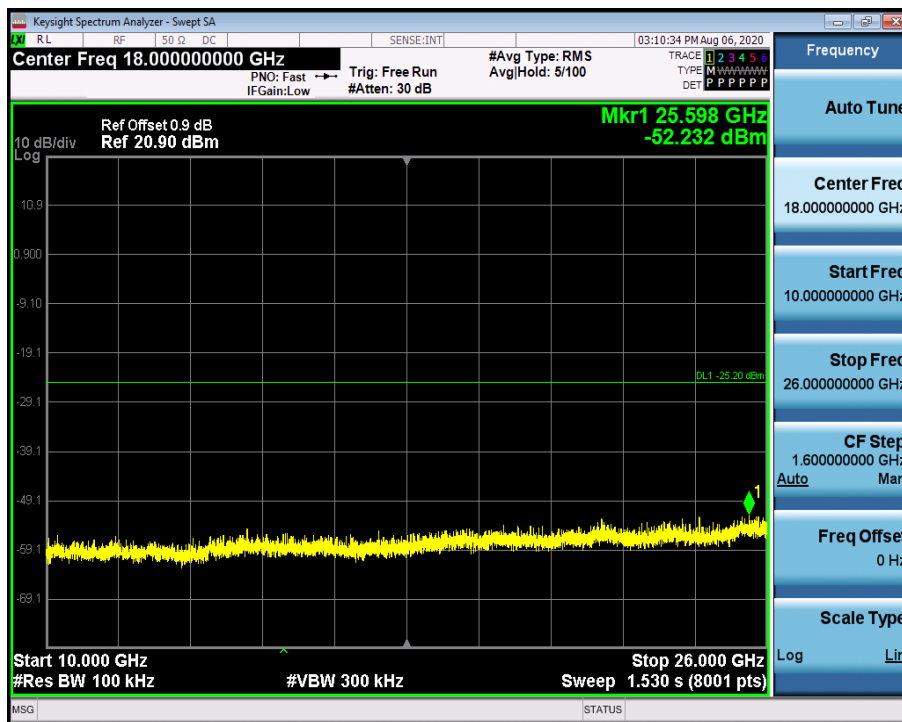
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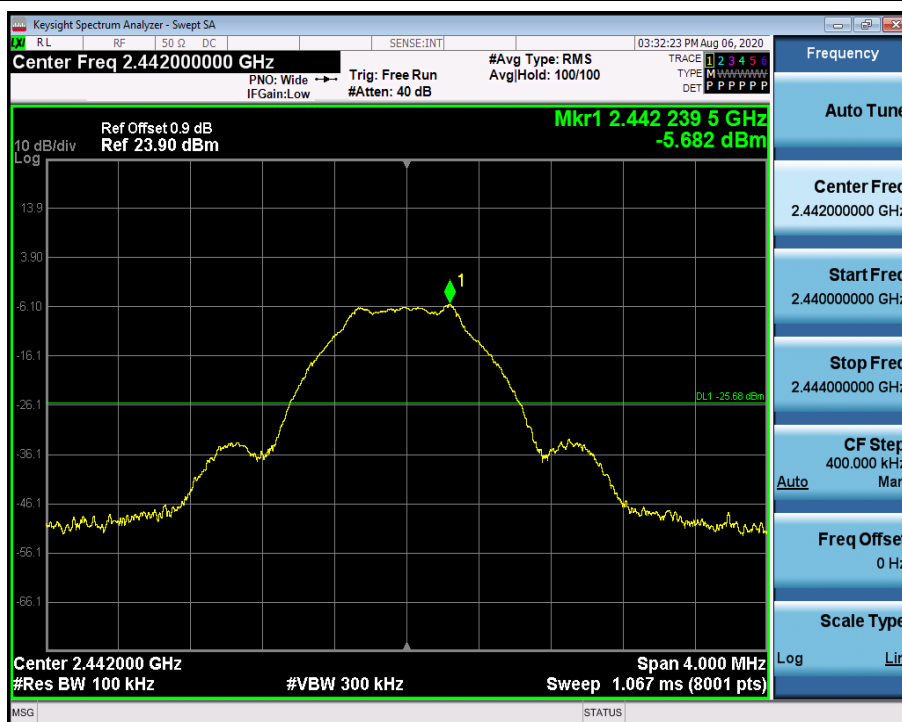
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CSE_2



RF Conducted Spurious Emissions_BLE_2442_Ant1

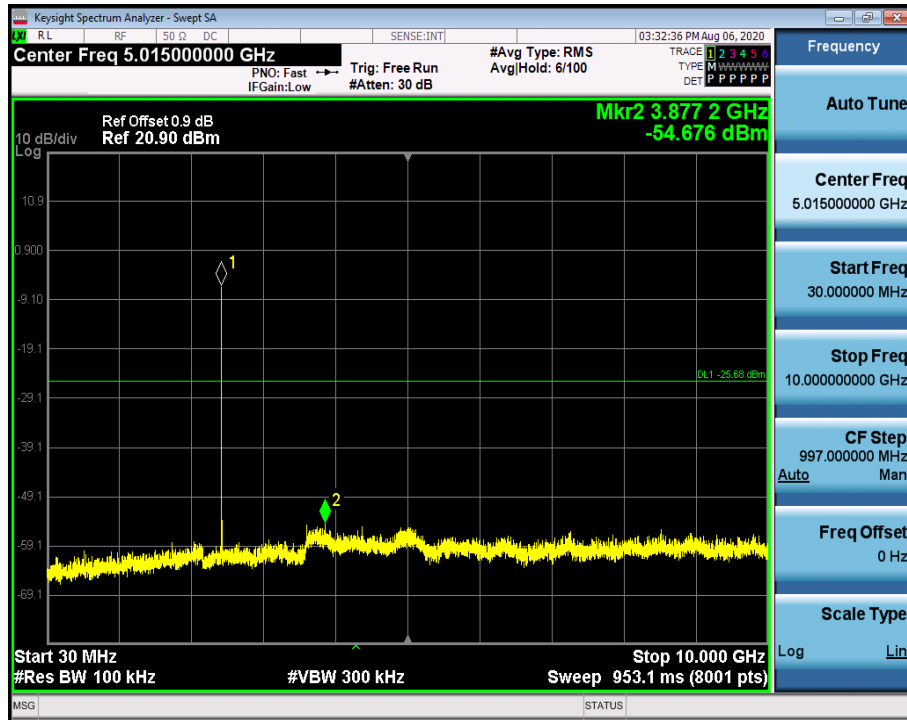
Pref



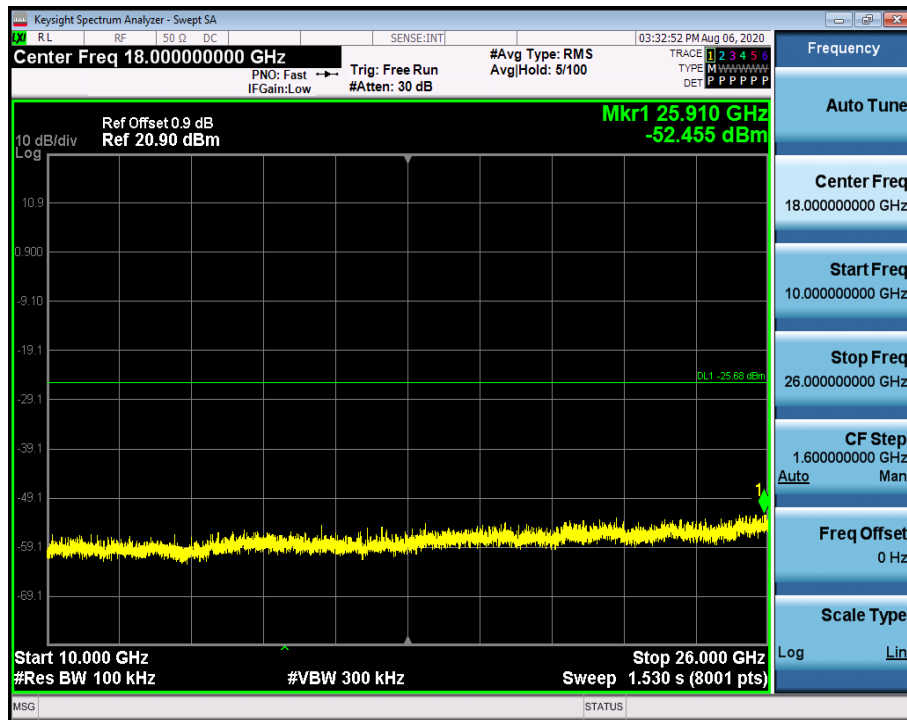
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CSE_1



CSE_2

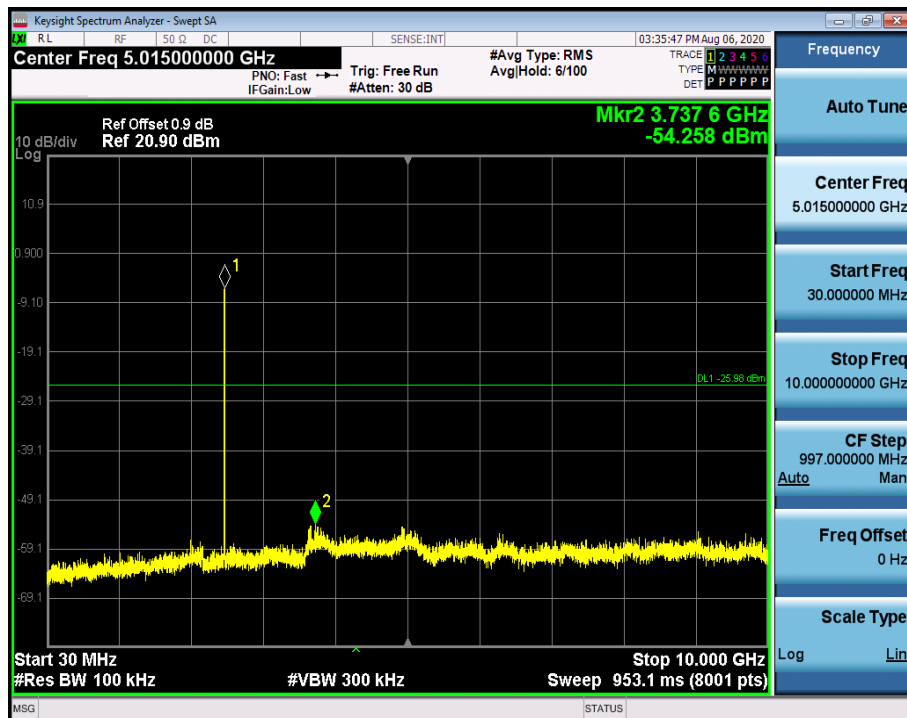


RF Conducted Spurious Emissions_BLE_2480_Ant1

Pref



CSE_1



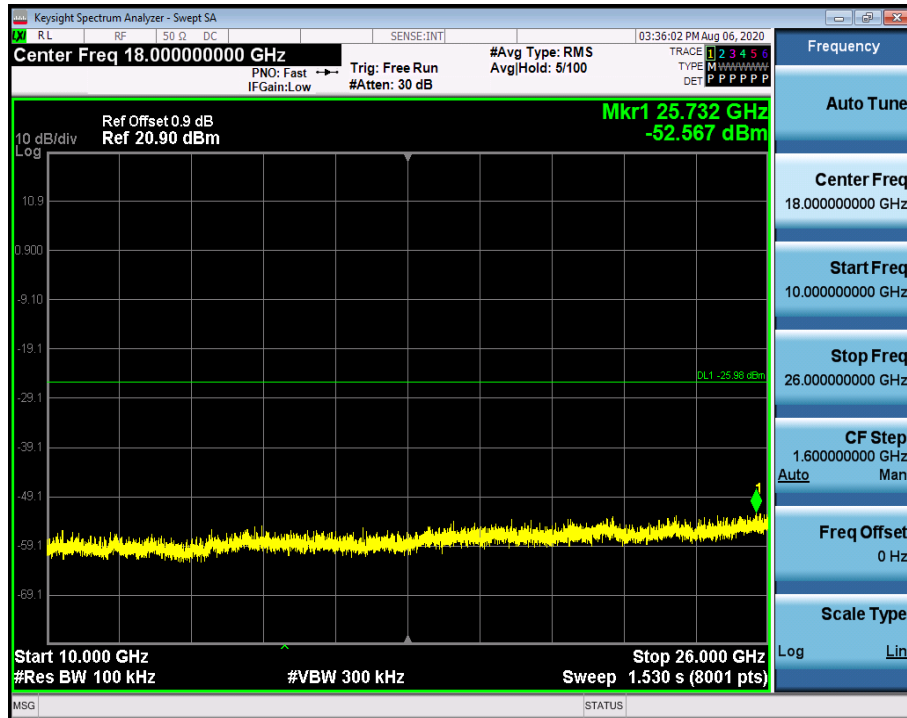
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CSE_2



--End of Report--

