

TEST REPORT

Application No.: SUCR2605000461AT

Applicant: Gosuncn Technology Group Co., Ltd.

Address of Applicant: Address: 6F, No. 2819, KaiChuang Avenue, Science City, Huangpu District, Guangzhou City, Guangdong Province, China

Manufacturer: Gosuncn Technology Group Co., Ltd.

Address of Manufacturer: Address: 6F, No. 2819, KaiChuang Avenue, Science City, Huangpu District, Guangzhou City, Guangdong Province, China

Equipment Under Test (EUT):

EUT Name: HARDWARE ASSY-TELEMATIC NODE

Model No.: GT819

Trade Mark: GOSUNCN

FCC ID: 2APNRGT819

Standard(s) : 47 CFR Part 15, Subpart C 15.247

Date of Receipt: 2026-06-12

Date of Test: 2026-06-15 to 2026-06-24

Date of Issue: 2026-07-06

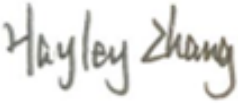
Test Result:
Pass*

* In the configuration tested, the EUT complied with the standards specified above.

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Revision Record			
Version	Description	Date	Remark
00	Original	2026-07-06	/

Authorized for issue by:				
Prepared By				
		Hayley Zhang/Project Engineer		
Approved By				
		Cedar Cheng /Reviewer		

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(b)(4)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10-2020/Cor1-2023 Section 6.10.5 & 11.12	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Below 1GHz		ANSI C63.10-2020/Cor1-2023 Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Above 1GHz		ANSI C63.10-2020/Cor1-2023 Section 6.6 & 11.12	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Maximum Conducted Output Power		ANSI C63.10-2020/Cor1-2023 Section 11.9	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass
Minimum 6dB Bandwidth		ANSI C63.10-2020/Cor1-2023 Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Power Spectral Density		ANSI C63.10-2020/Cor1-2023 Section 11.10	47 CFR Part 15, Subpart C 15.247(e)	Pass
Conducted Band Edges Measurement		ANSI C63.10-2020/Cor1-2023 Section 6.10.4	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Spurious Emissions		ANSI C63.10-2020/Cor1-2023 Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass

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4. Maximum Power Spectral Density 62

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4 General Information

4.1 Details of E.U.T.

Operation Frequency:	2402MHz to 2480MHz
Bluetooth Version:	V5.3
Modulation Type:	GFSK
Number of Channels:	40
Channel Spacing:	2MHz
Rates Type:	125K/500K/1M/2M
Antenna Type:	Monopole Antenna
Antenna Gain:	2.00 dBi (Provided by the manufacturer)

Remark: Bluetooth LE 125k/500k/1Mbps uses the same modulation, and 1Mbps was found to be the worst case scenario which was performed full test and recorded in this test report.

4.2 Environment Parameter

Environment Parameter	Selected Values During Tests	
Relative Humidity	41-45%	
Value	Temperature(°C)	Voltage(V)
NTNV	22-24	12
Note: NV:Normal Voltage LV:Low Extreme Test Voltage HV:High Extreme Test Voltage NT:Normal Temperature LT:Low Extreme Test Temperature HT:High Extreme Test Temperature		

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--
The EUT has been tested as an independent unit.			

4.4 Measurement Uncertainty & Decision Rule

No.	Item	Measurement Uncertainty
1	Radio Frequency	$\pm 7.25 \times 10^{-8}$
2	Duty cycle	$\pm 0.37\%$
3	Occupied Bandwidth	$\pm 3\%$
4	RF conducted power	$\pm 0.75\text{dB}$
5	RF power density	$\pm 2.84\text{dB}$
6	Conducted Spurious emissions	$\pm 0.75\text{dB}$
7	RF Radiated power	$\pm 1.56\text{dB}$ (9KHz-30MHz)
		$\pm 4.80\text{dB}$ (30MHz-1GHz)
		$\pm 4.80\text{dB}$ (1GHz-18GHz)
		$\pm 4.80\text{dB}$ (18GHz-40GHz)
8	Temperature test	$\pm 1^\circ\text{C}$
9	Humidity test	$\pm 3\%$
10	Supply voltages	$\pm 1\%$
11	Time	$\pm 3\%$

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results
 – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
 – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

4.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu)
Pilot Free Trade Zone

No tests were sub-contracted.

Note:

1.SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).

2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).

3. Sample source: sent by customer.

4.6 Test Facility

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

- **A2LA (Certificate No. 6336.01)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.is accredited by the American Association for Laboratory Accreditation (A2LA).

- **FCC (Designation Number: CN1312)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized as an accredited testing laboratory. Test Firm Registration Number:717327

- **ISED (CAB Identifier: CN0120)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 27594

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None

5 Equipment List

Item	Equipment	Manufacturer	Model	Inventory No	Cal Date	Cal. Due Date
RF Conducted Test						
1	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2026/1/14	2027/1/13
2	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-15	2025/11/21	2026/11/20
3	MXG Vector signal genitor	KEYSIGHT	N5182B	SUWI-01-38-01	2026/1/14	2027/1/13
4	Signal Generator	ROHDE&SCHWARZ	SMW200A	SUWI-01-07-08	2026/1/14	2027/1/13
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-08-01	2026/1/14	2027/1/13
6	MXG Vector Signal Generator	ROHDE&SCHWARZ	SMR20	SUWI-01-33-01	2025/11/21	2026/11/20
7	Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-13	2026/4/22	2027/4/21
8	Wideband Radio Communication Test Station	Anritsu	MT8000A	SUWI-01-34-02	2025/11/21	2026/11/20
9	Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	2025/11/21	2026/11/20
10	Power meter	Anritsu	ML2495A	SUWI-01-31-01	2025/11/21	2026/11/20
11	Pulse power sensor	Anritsu	MA2411B	SUWI-01-32-01	2025/11/21	2026/11/20
12	DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	2026/1/14	2027/1/13
13	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-07	2026/2/11	2027/2/10
15	Measurement Software	TST	TST 272 V2.02	SUWI-03-55-03	NCR	NCR
16	RF Control unit	TST	TSCB3023R2	SUWI-02-20-01	NCR	NCR
17	RFCables	Tonscend	NA	SUWI-01-03-01	2026/1/15	2027/1/14
RF Radiated Test						
1	Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2026/6/9	2029/6/8
2	Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2026/1/14	2027/1/13
3	Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-07	2025/11/20	2026/11/19
4	Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2026/1/14	2027/1/13
5	Signal Generator	ROHDE&SCHWARZ	SMW100A	SUWI-01-18-01	2026/1/14	2027/1/13
6	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	2025/11/29	2027/11/28
7	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	2025/5/7	2027/5/6
8	Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2025/5/7	2027/5/6
9	Active Loop Antenna	SCHWRZBECK MESS-ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	2025/5/7	2027/5/6
10	Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2026/1/14	2027/1/13
11	Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2026/1/14	2027/1/13
12	Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2026/1/14	2027/1/13
13	Wideband Radio Communication Tester	Anritsu	MT8820C	SUWI-01-26-01	2025/8/25	2026/8/24
14	Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	2025/8/25	2026/8/24
15	Wideband Radio Communication Tester	ROHDE&SCHWARZ	CMW500	SUWI-01-16-09	2025/8/26	2026/8/25
16	Radio Communication Analyzer	StarPoint	SP9500E	SUWI-01-28-06	2025/11/21	2026/11/20
17	Signal Generator	ROHDE&SCHWARZ	SMB100A	SUWI-01-08-01	2026/1/14	2027/1/13
18	DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	2026/1/14	2027/1/13
19	Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2026/2/11	2027/2/10



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20	Measurement Software	Tonscend	JS32-RE 4.0.0.0	SUWI-02-09-06	NCR	NCR
21	RF Control unit	Tonscend	JS0806-1	SUWI-02-20-01	NCR	NCR
22	RFCables	Tonscend	NA	SUWI-01-03-02	NCR	NCR

Remark: NCR=No Calibration Requirement.

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

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 Monopole Antenna and no consideration of replacement.

The best case gain of the antenna is 2.00dBi.

Antenna location: Refer to internal photo.

7 Radio Spectrum Matter Test Results

7.1 Radiated Emissions which fall in the restricted bands

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

Test Method: ANSI C63.10-2020/Cor1-2023 Section 6.10.5 & 11.12

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.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C

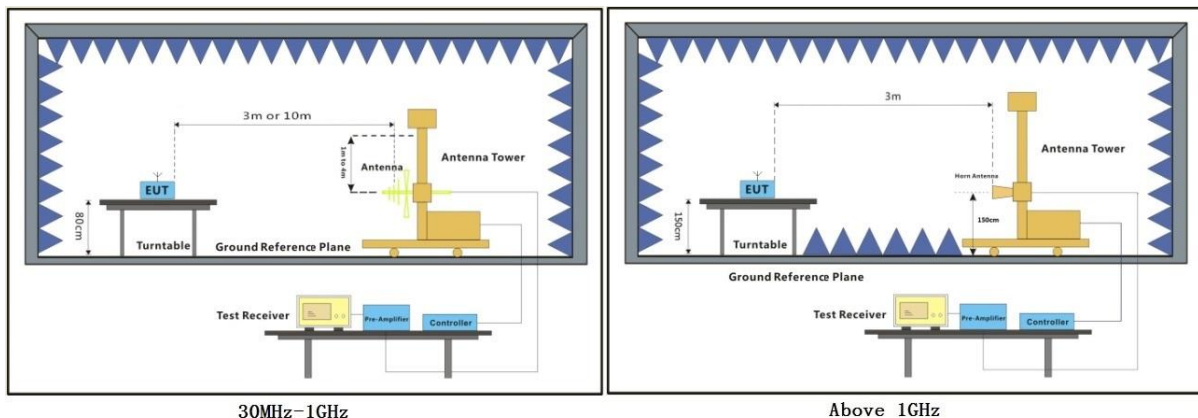
Humidity: 41 % RH

Atmospheric Pressure: 1001 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.1.3 Test Setup Diagram



7.1.4 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.

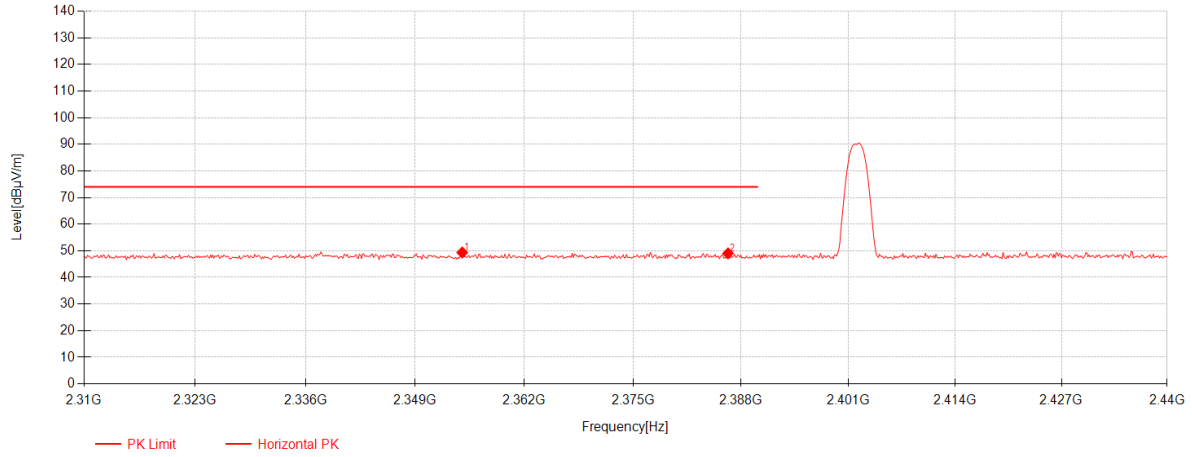
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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.

Remark 3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

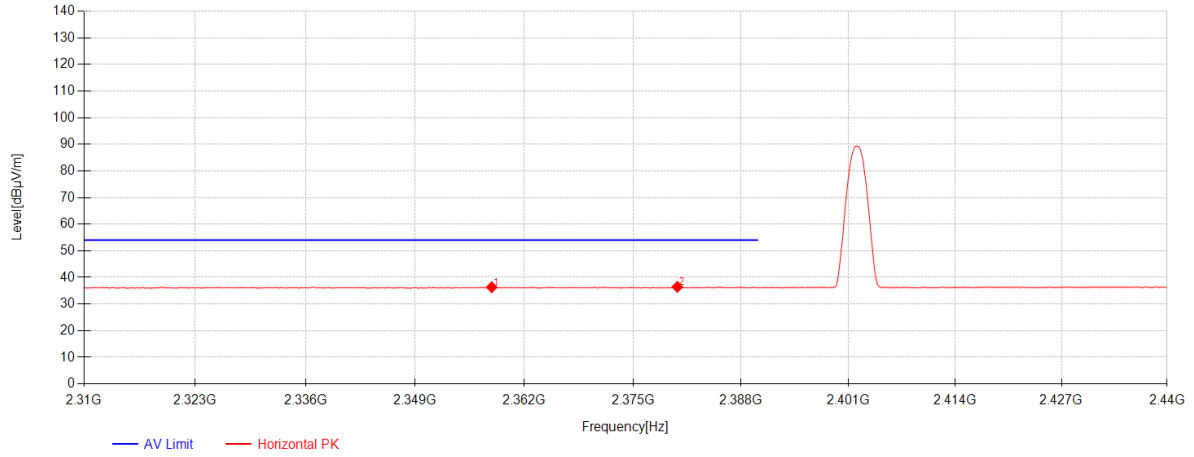
Remark 4: For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

BLE_1M_TX_CH_00_Horizontal_Peak



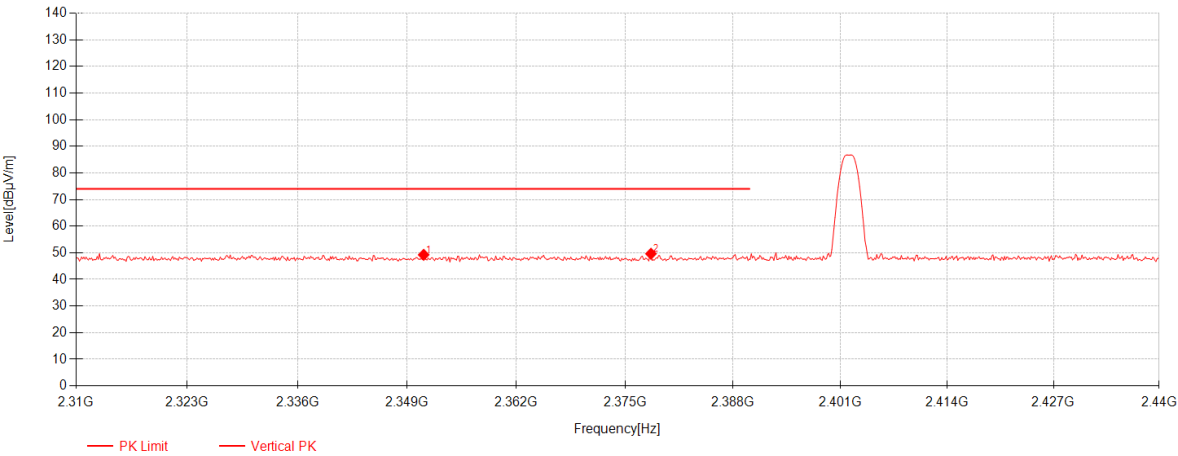
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2354.59	39.66	27.29	-17.60	49.35	74.00	24.65	Horizontal
2	2386.44	39.34	27.23	-17.56	49.01	74.00	24.99	Horizontal

BLE_1M_TX_CH_00_Horizontal_Average



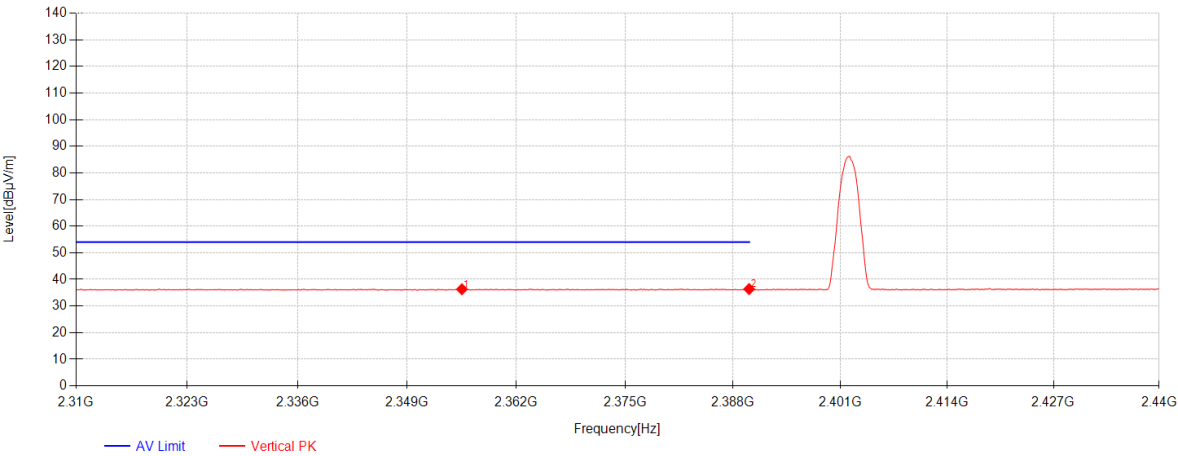
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2358.10	26.64	27.28	-17.60	36.32	54.00	17.68	Horizontal
2	2380.33	26.78	27.24	-17.57	36.45	54.00	17.55	Horizontal

BLE_1M_TX_CH_00_Vertical_Peak



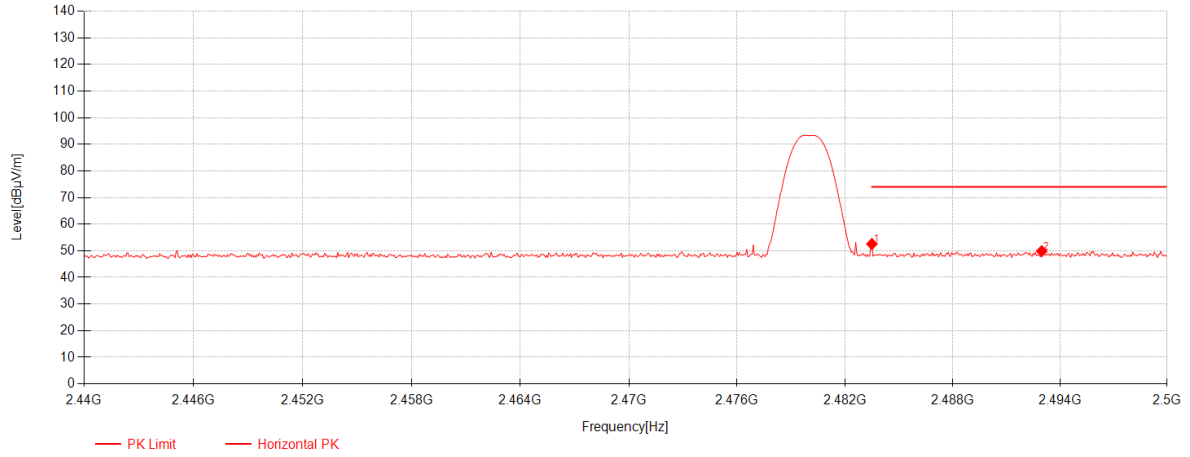
Data List								
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1	2350.95	39.54	27.30	-17.60	49.24	74.00	24.76	Vertical
2	2378.12	39.97	27.24	-17.57	49.64	74.00	24.36	Vertical

BLE_1M_TX_CH_00_Vertical_Average



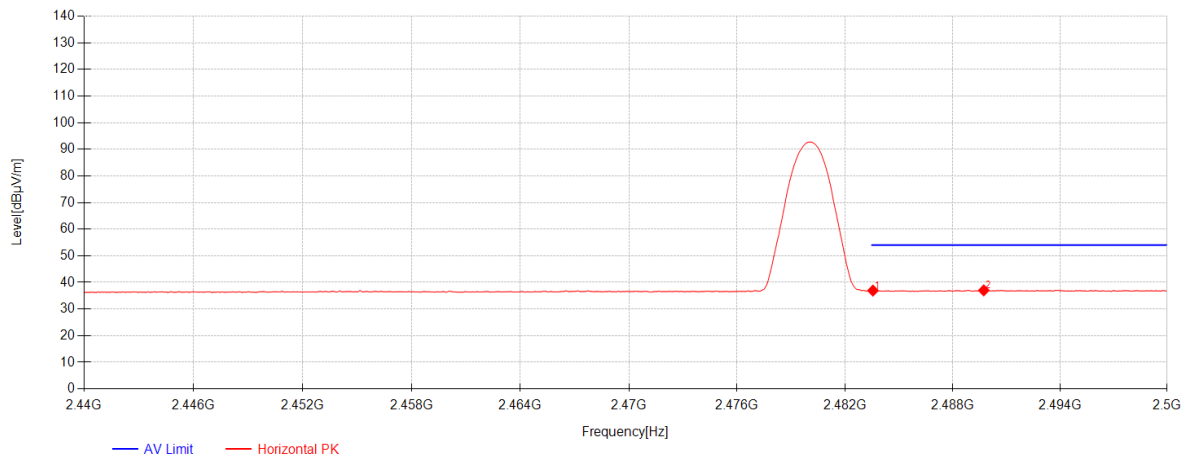
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2355.50	26.62	27.29	-17.60	36.31	54.00	17.69	Vertical
2	2389.95	26.71	27.22	-17.56	36.37	54.00	17.63	Vertical

BLE_1M_TX_CH_39_Horizontal_Peak



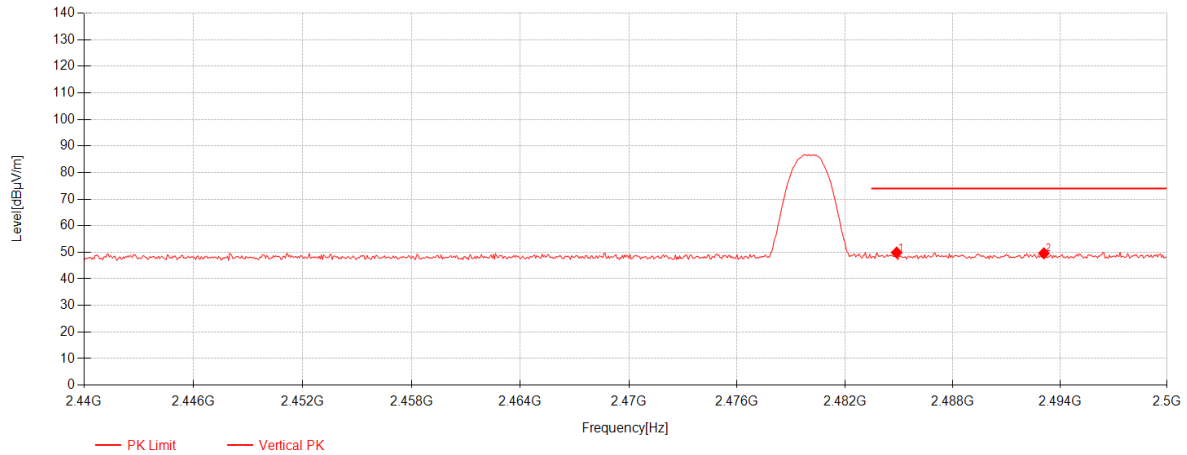
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.50	42.48	27.63	-17.55	52.56	74.00	21.44	Horizontal
2	2492.98	39.77	27.67	-17.55	49.89	74.00	24.11	Horizontal

BLE_1M_TX_CH_39_Horizontal_Average



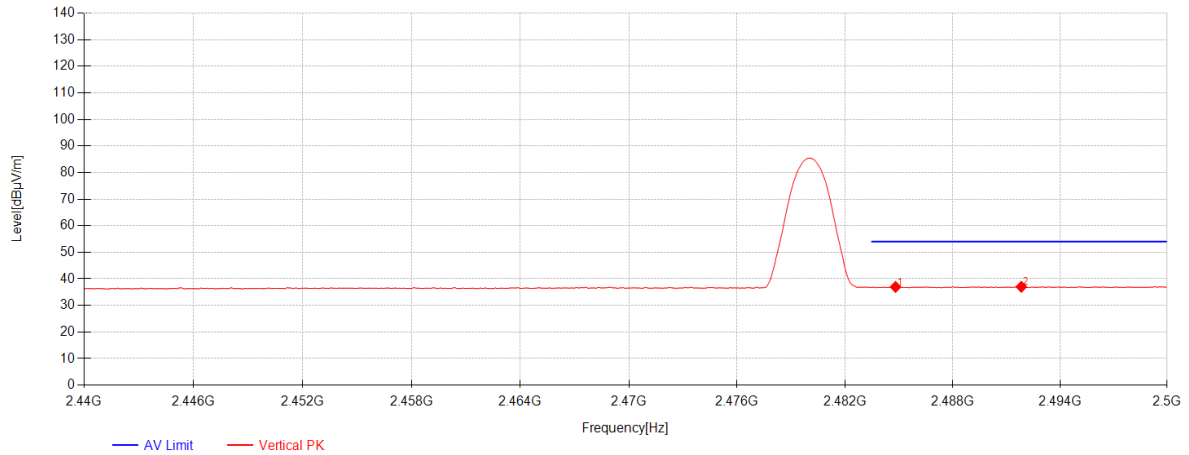
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.56	26.84	27.63	-17.55	36.92	54.00	17.08	Horizontal
2	2489.74	26.90	27.66	-17.55	37.01	54.00	16.99	Horizontal

BLE_1M_TX_CH_39_Vertical_Peak



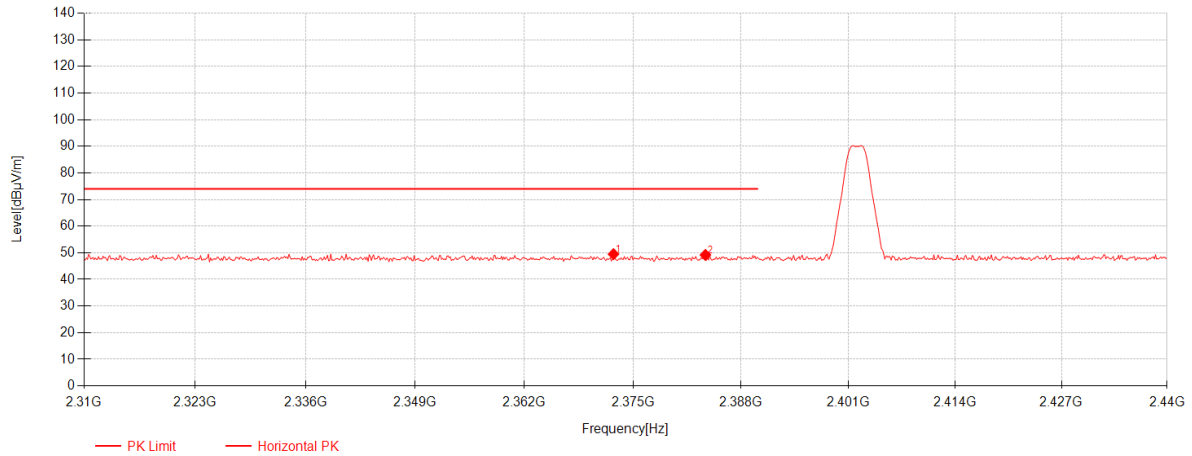
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.88	39.80	27.64	-17.55	49.89	74.00	24.11	Vertical
2	2493.10	39.49	27.67	-17.55	49.61	74.00	24.39	Vertical

BLE_1M_TX_CH_39_Veritical_Average



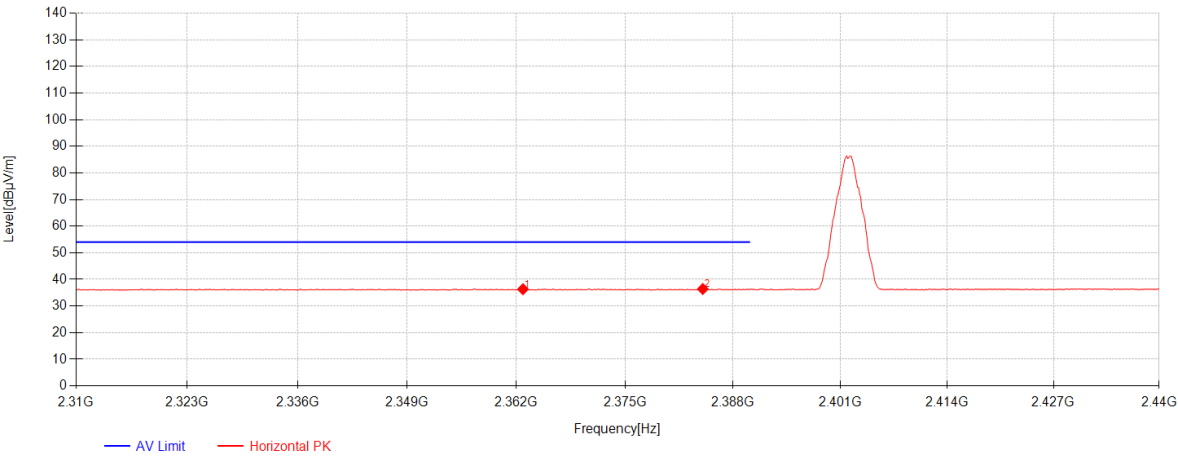
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.82	26.88	27.64	-17.55	36.97	54.00	17.03	Vertical
2	2491.84	26.89	27.67	-17.55	37.01	54.00	16.99	Vertical

BLE_2M_TX_CH_00_Horizontal_Peak



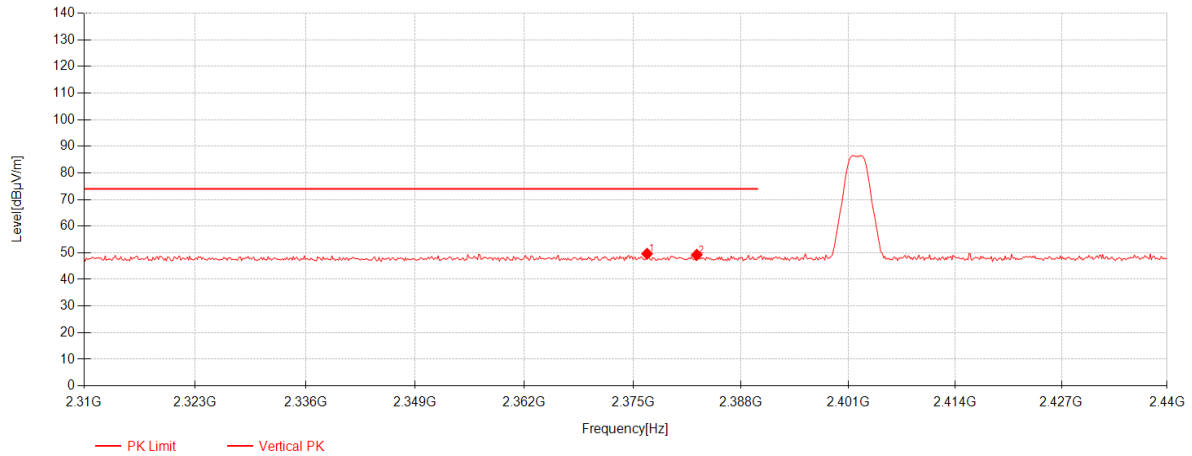
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2372.66	39.83	27.25	-17.58	49.50	74.00	24.50	Horizontal
2	2383.71	39.54	27.23	-17.57	49.20	74.00	24.80	Horizontal

BLE_2M_TX_CH_00_Horizontal_Average



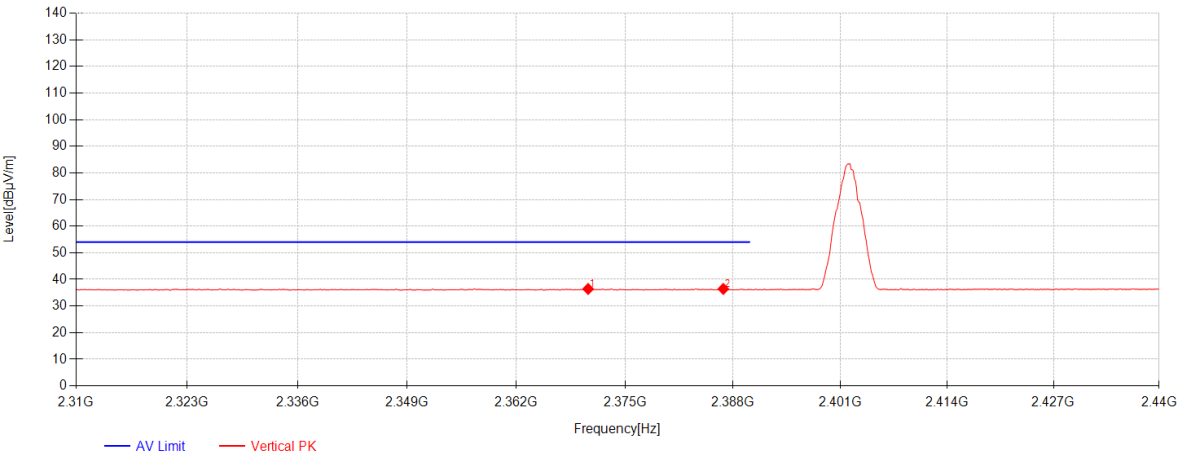
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2362.78	26.65	27.27	-17.59	36.33	54.00	17.67	Horizontal
2	2384.36	26.75	27.23	-17.57	36.41	54.00	17.59	Horizontal

BLE_2M_TX_CH_00_Vertical_Peak



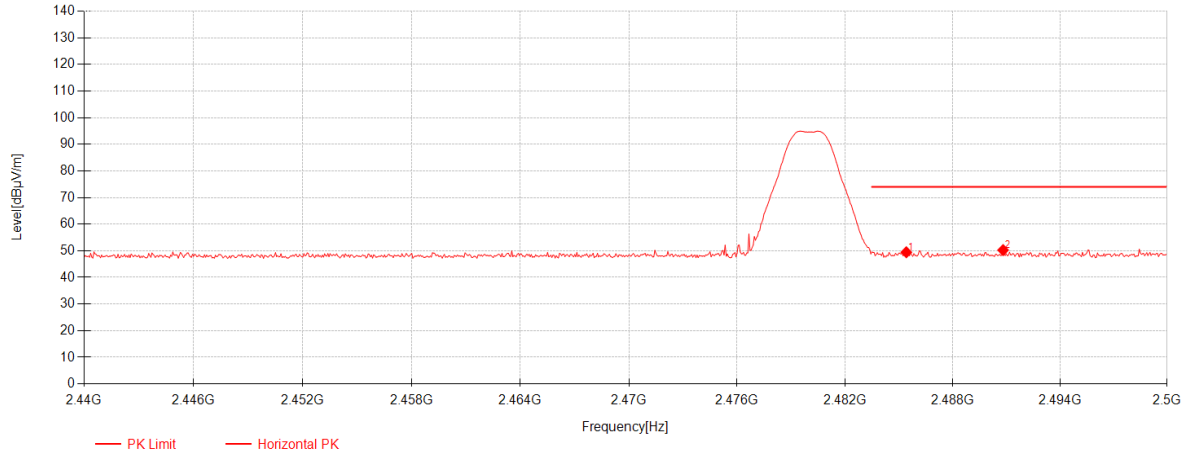
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2376.69	39.96	27.25	-17.58	49.63	74.00	24.37	Vertical
2	2382.67	39.57	27.23	-17.57	49.23	74.00	24.77	Vertical

BLE_2M_TX_CH_00_Vertical_Average



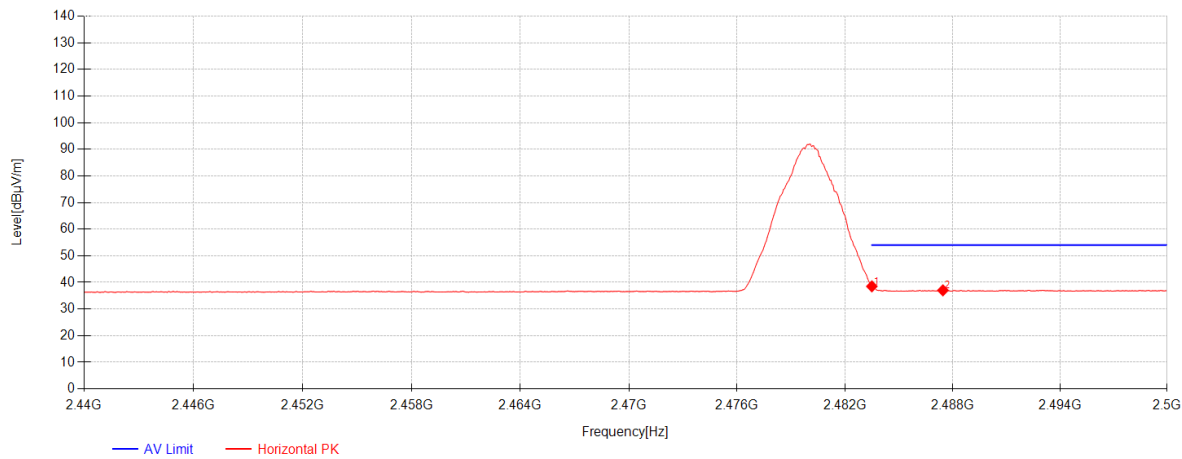
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2370.58	26.74	27.26	-17.58	36.42	54.00	17.58	Vertical
2	2386.83	26.76	27.23	-17.56	36.43	54.00	17.57	Vertical

BLE_2M_TX_CH_39_Horizontal_Peak



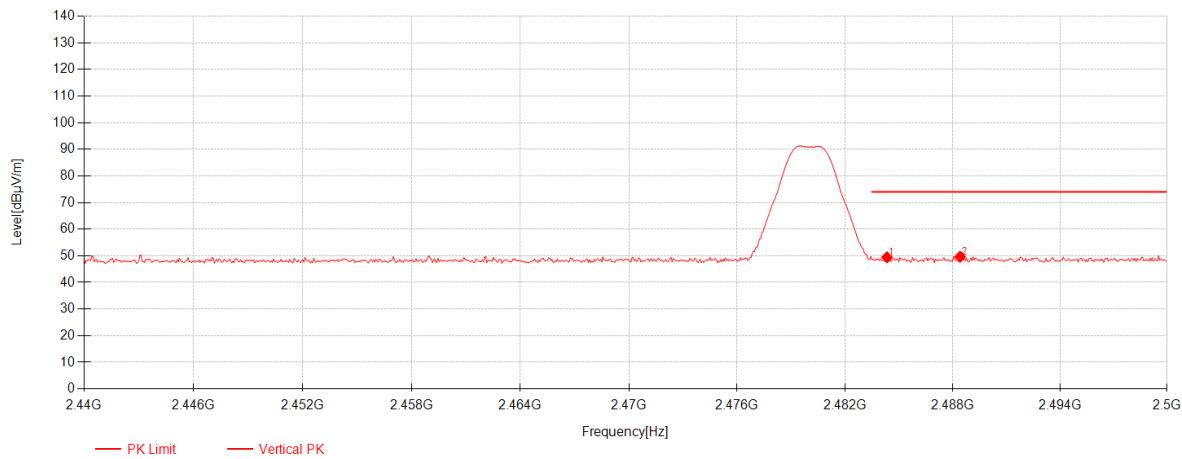
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2485.42	39.37	27.64	-17.55	49.46	74.00	24.54	Horizontal
2	2490.82	40.15	27.66	-17.55	50.26	74.00	23.74	Horizontal

BLE_2M_TX_CH_39_Horizontal_Average



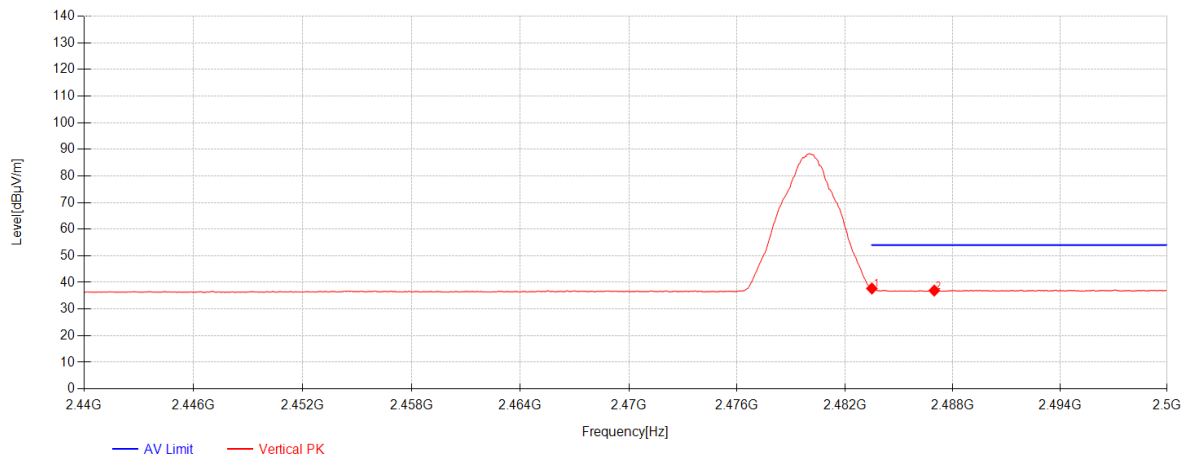
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.50	28.44	27.63	-17.55	38.52	54.00	15.48	Horizontal
2	2487.46	26.92	27.65	-17.55	37.02	54.00	16.98	Horizontal

BLE_2M_TX_CH_39_Vertical_Peak



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2484.34	39.35	27.64	-17.55	49.44	74.00	24.56	Vertical
2	2488.42	39.57	27.65	-17.55	49.67	74.00	24.33	Vertical

BLE_2M_TX_CH_39_Verical_Average



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2483.50	27.62	27.63	-17.55	37.70	54.00	16.30	Vertical
2	2486.98	26.84	27.65	-17.55	36.94	54.00	17.06	Vertical

7.2 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209
 Test Method: ANSI C63.10-2020/Cor1-2023 Section 6.4,6.5
 Measurement Distance: 3m

Limit:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)	Field strength (dBμV/m@3m)
0.009-0.490	2400/F(kHz)	300	128.5 to 93.8
0.490-1.705	24000/F(kHz)	30	73.8 to 62.9
1.705-30.0	30	30	69.60
30-88	100	3	40.0
88-216	150	3	43.5
216-960	200	3	46.0
960-1000	500	3	54.0

Note: The above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

7.2.1 E.U.T. Operation

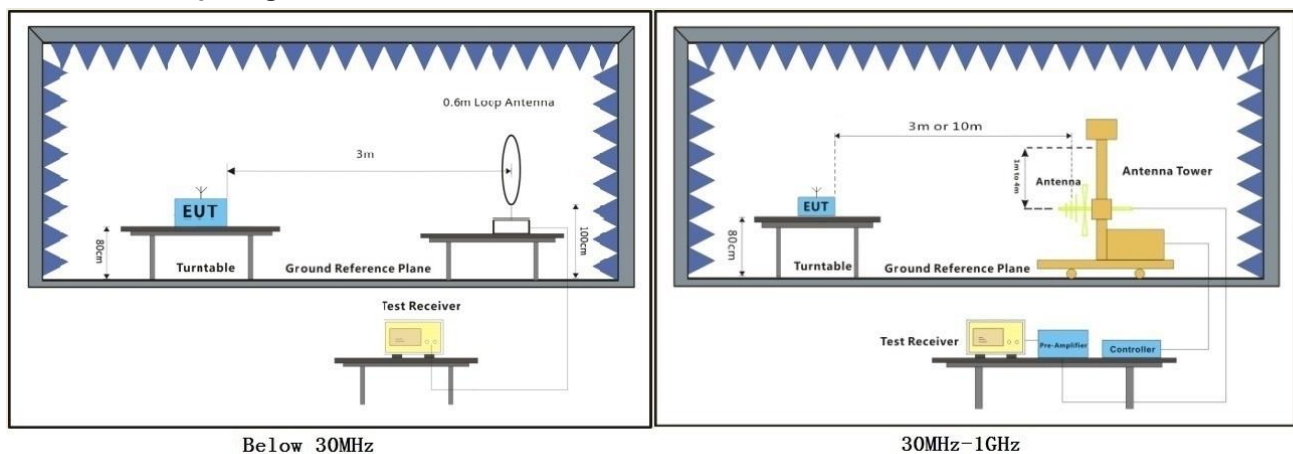
Operating Environment:

Temperature: 24 °C Humidity: 45 % RH Atmospheric Pressure: 1001 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.2.3 Test Setup Diagram

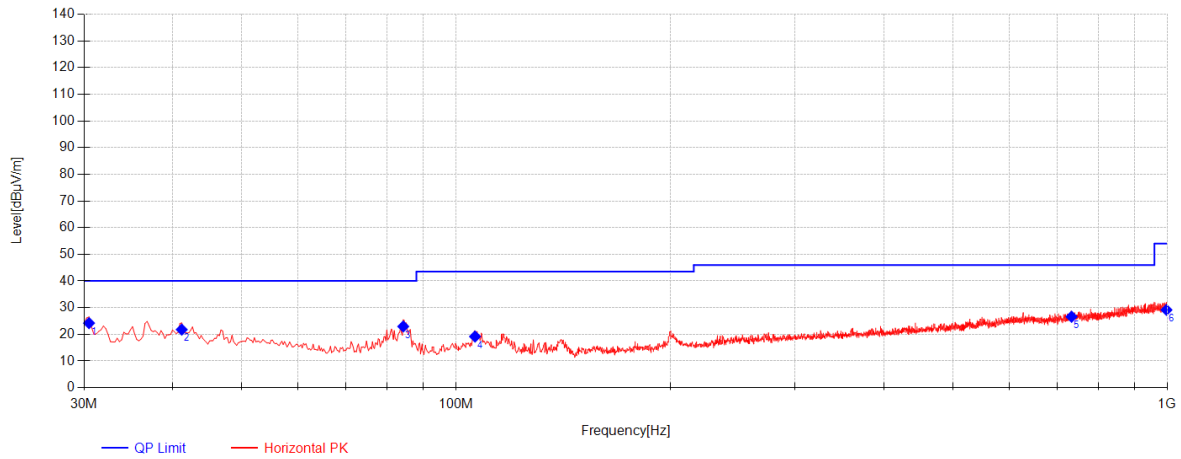


7.2.4 Measurement Procedure and Data

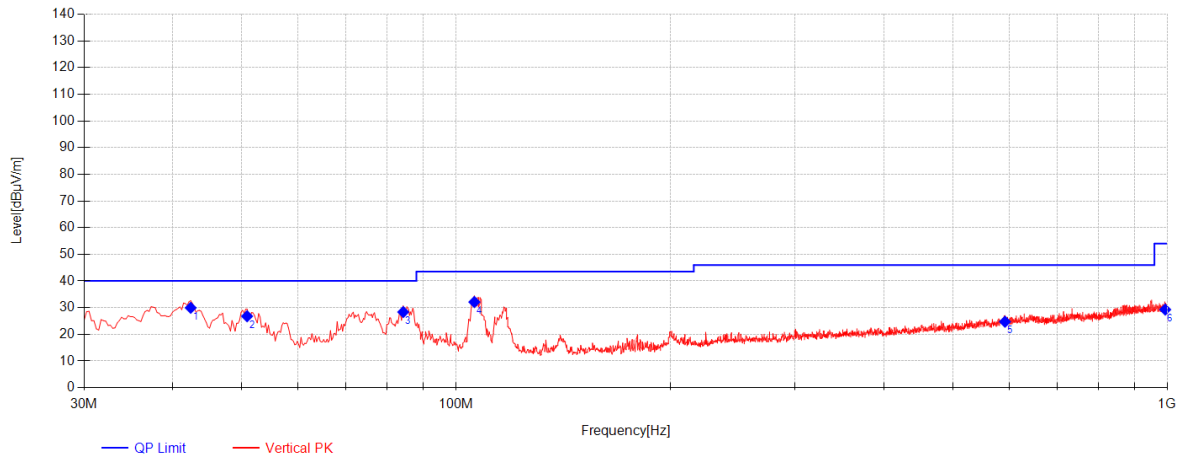
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8m above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3m or 10m away from the interference-receiving antenna, which was mounted on the variable-height antenna tower.
- c. The antenna height is varied from 1m to 4m 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.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1m) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. 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 quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. 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.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1 Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
2. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.



Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	30.485	48.79	16.79	-41.38	24.20	40.00	15.80	Horizontal
2	41.155	44.09	18.85	-41.17	21.77	40.00	18.23	Horizontal
3	84.32	48.66	14.80	-40.52	22.94	40.00	17.06	Horizontal
4	106.3875	40.92	18.48	-40.23	19.17	43.50	24.33	Horizontal
5	733.9775	36.39	25.62	-35.41	26.60	46.00	19.40	Horizontal
6	998.06	34.75	28.10	-33.70	29.15	54.00	24.85	Horizontal



Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Polarity
1	42.3675	51.87	19.21	-41.14	29.94	40.00	10.06	Vertical
2	50.855	47.37	20.39	-40.98	26.78	40.00	13.22	Vertical
3	84.32	54.07	14.80	-40.52	28.35	40.00	11.65	Vertical
4	106.145	53.91	18.43	-40.24	32.10	43.50	11.40	Vertical
5	591.63	36.73	24.30	-36.30	24.73	46.00	21.27	Vertical
6	993.9375	35	28.02	-33.75	29.27	54.00	24.73	Vertical

7.3 Radiated Spurious Emissions Above 1GHz

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

Test Method: ANSI C63.10-2020/Cor1-2023 Section 6.6 & 11.12

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

Note:

At Above 18GHz, measurements may be performed at a distance shorter than that specified in the regulations

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Above 18GHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(1/3) = -9.54\text{dB}$ (for 1m test distance).

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

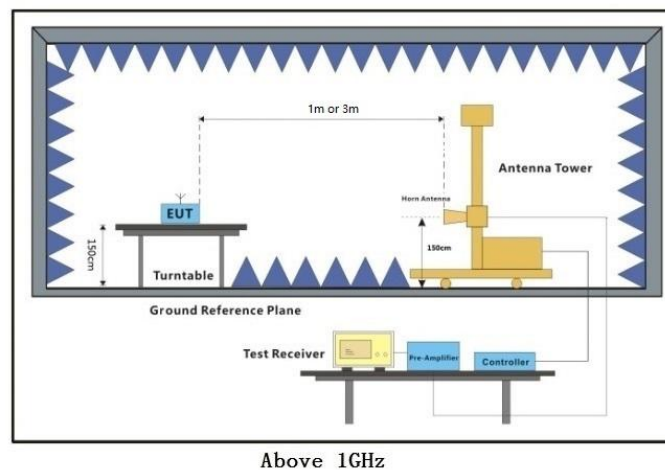
Humidity: 44 % RH

Atmospheric Pressure: 1001 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_ Keep the EUT in continuously transmitting mode with GFSK modulation.

7.3.3 Test Setup Diagram



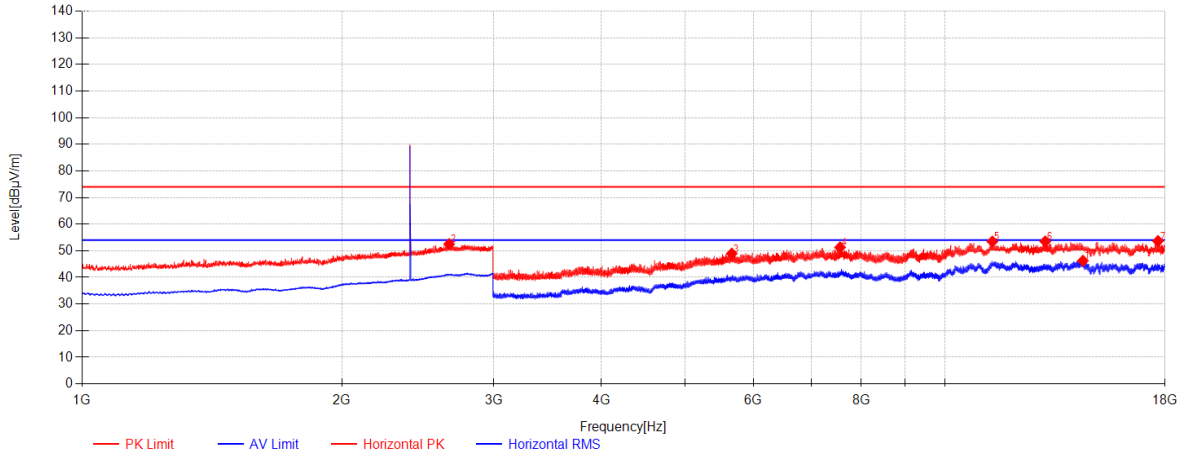
7.3.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5m above the ground at a 3m fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3m away from the interference-receiving antenna from 1GHz to 18GHz, and 1m away from the interference-receiving antenna above 18GHz.
- b. The interference-receiving antenna was mounted on the variable-height antenna tower, with its boresight facing the EUT throughout the test.
- c. The antenna height is varied from 1m to 4m 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.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1m to 4m and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- g. 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.
- h. Repeat above procedures until all frequencies measured was complete.

Remark:

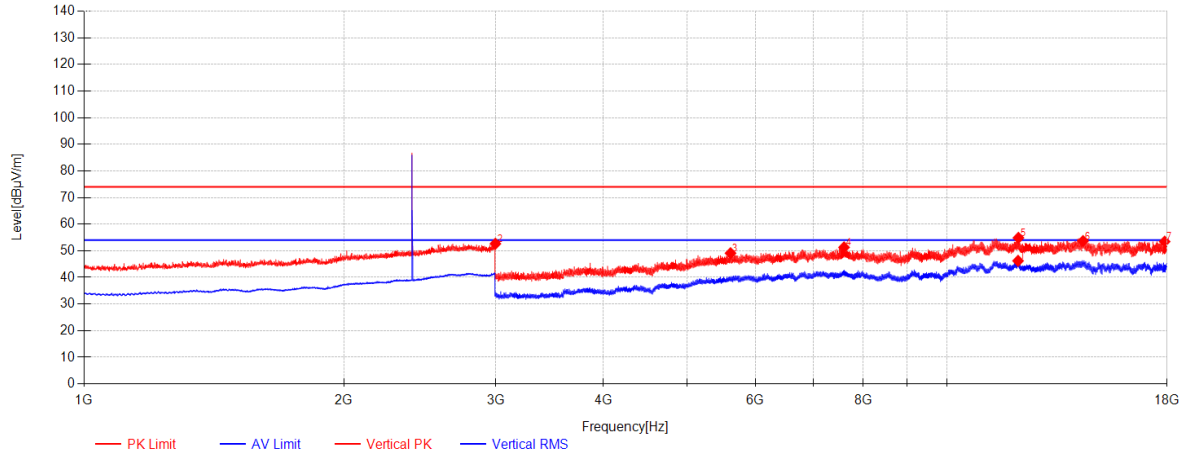
1. Scan from 1GHz to 10th harmonic of the highest frequency or 40 GHz, whichever is lower.
2. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits 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.
3. For the frequency above 18GHz, testing had been executed under all test modes, only the worst-case test curve is displayed in the report.
4. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s).

BLE_1M_TX_CH_00_Horizontal



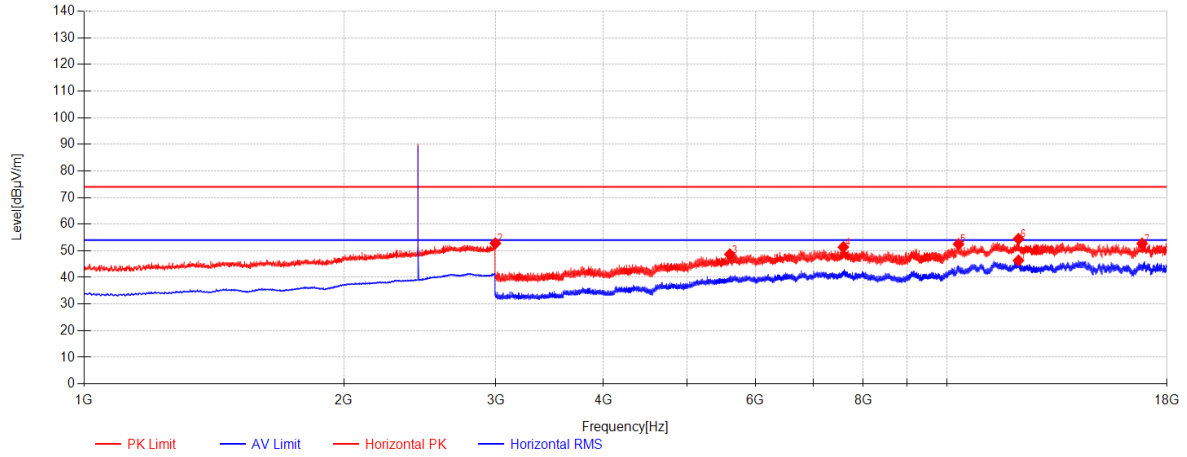
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	14457.38	45.25	41.73	-40.73	46.25	54.00	7.75	Horizontal
2	2663.50	41.59	28.15	-17.23	52.51	74.00	21.49	Horizontal
3	5663.25	56.57	32.80	-40.41	48.96	74.00	25.04	Horizontal
4	7560.00	55.19	36.74	-40.67	51.26	74.00	22.74	Horizontal
5	11352.00	53.70	40.50	-40.74	53.46	74.00	20.54	Horizontal
6	13071.75	54.36	39.72	-40.57	53.51	74.00	20.49	Horizontal
7	17662.88	52.41	44.90	-43.64	53.67	74.00	20.33	Horizontal

BLE_1M_TX_CH_00_Vertical



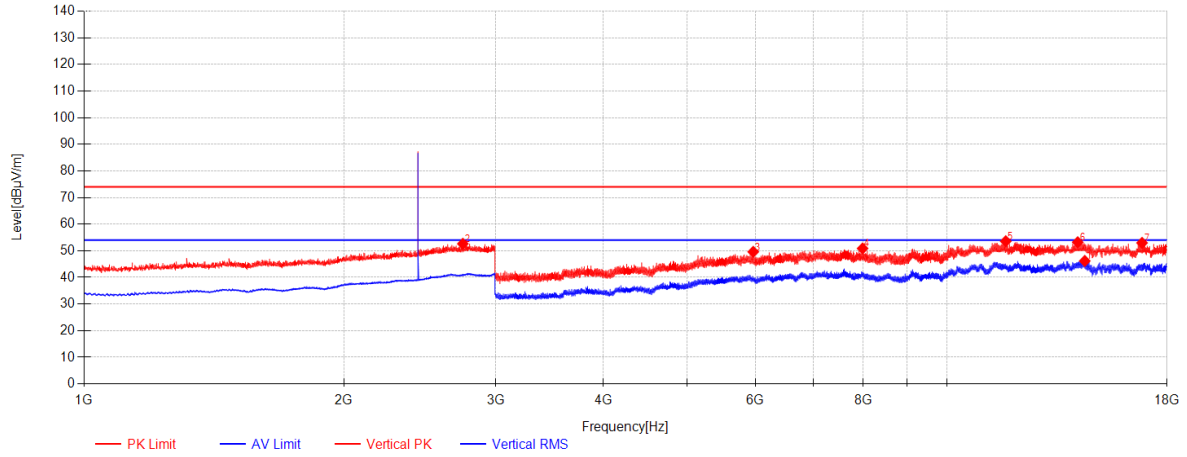
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	12094.50	46.50	39.81	-40.08	46.23	54.00	7.77	Vertical
2	2997.50	40.31	28.88	-16.54	52.65	74.00	21.35	Vertical
3	5614.13	56.77	32.87	-40.55	49.09	74.00	24.91	Vertical
4	7600.88	54.96	36.90	-40.57	51.29	74.00	22.71	Vertical
5	12106.13	55.18	39.81	-40.13	54.86	74.00	19.14	Vertical
6	14383.50	52.34	41.90	-40.57	53.67	74.00	20.33	Vertical
7	17883.75	52.62	46.00	-45.16	53.46	74.00	20.54	Vertical

BLE_1M_TX_CH_19_Horizontal



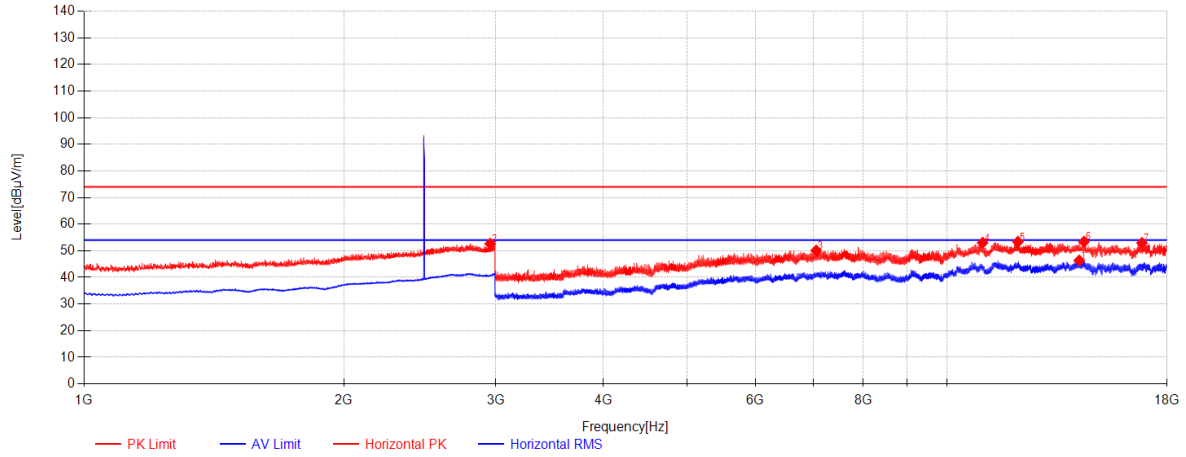
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	12107.63	46.71	39.81	-40.14	46.38	54.00	7.62	Horizontal
2	2997.00	40.45	28.87	-16.54	52.78	74.00	21.22	Horizontal
3	5604.00	56.35	32.89	-40.58	48.66	74.00	25.34	Horizontal
4	7585.50	55.13	36.84	-40.60	51.37	74.00	22.63	Horizontal
5	10317.75	53.43	39.42	-40.35	52.50	74.00	21.50	Horizontal
6	12107.25	54.78	39.81	-40.14	54.45	74.00	19.55	Horizontal
7	16840.88	51.23	40.15	-38.67	52.71	74.00	21.29	Horizontal

BLE_1M_TX_CH_19_Vertical



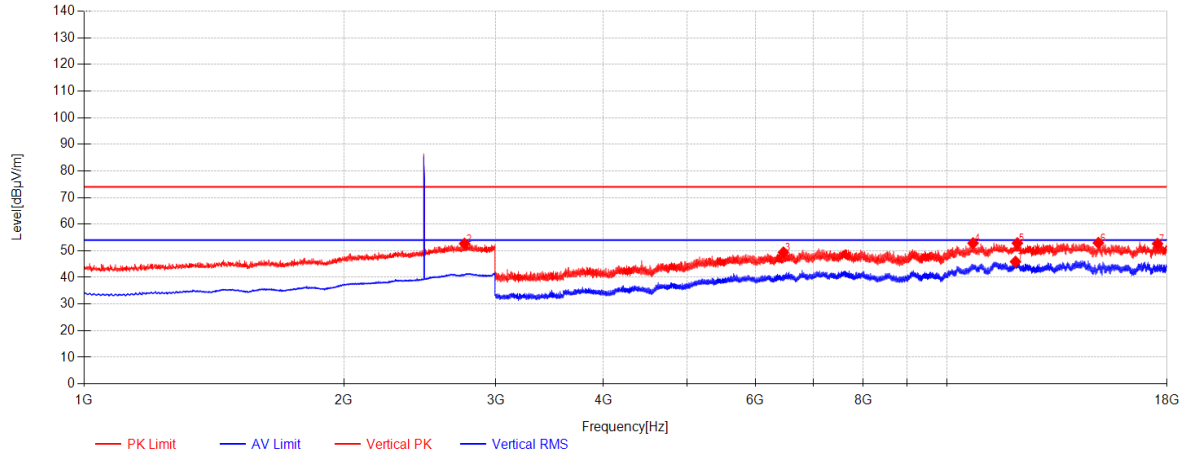
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	14449.88	45.13	41.75	-40.70	46.18	54.00	7.82	Vertical
2	2748.00	41.14	28.40	-16.90	52.64	74.00	21.36	Vertical
3	5964.75	56.82	33.11	-40.33	49.60	74.00	24.40	Vertical
4	7986.00	54.42	36.70	-40.24	50.88	74.00	23.12	Vertical
5	11702.25	53.65	40.19	-40.27	53.57	74.00	20.43	Vertical
6	14180.25	52.22	41.58	-40.59	53.21	74.00	20.79	Vertical
7	16837.50	51.49	40.13	-38.66	52.96	74.00	21.04	Vertical

BLE_1M_TX_CH_39_Horizontal



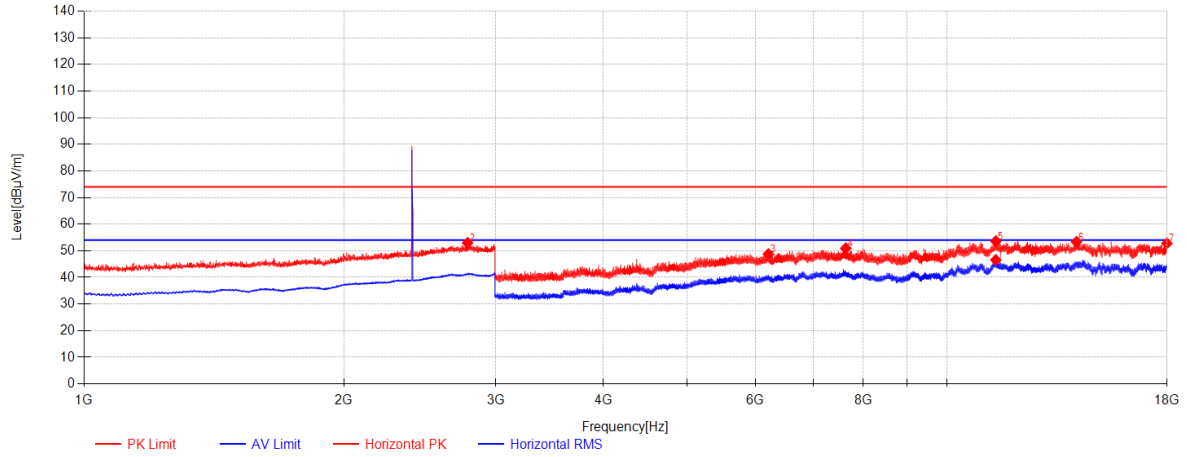
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	14237.25	45.33	41.71	-40.69	46.35	54.00	7.65	Horizontal
2	2956.00	40.78	28.46	-16.60	52.64	74.00	21.36	Horizontal
3	7056.00	54.80	35.94	-40.67	50.07	74.00	23.93	Horizontal
4	11001.38	53.00	40.40	-40.39	53.01	74.00	20.99	Horizontal
5	12090.38	53.66	39.81	-40.09	53.38	74.00	20.62	Horizontal
6	14419.13	52.16	41.84	-40.59	53.41	74.00	20.59	Horizontal
7	16834.50	51.51	40.11	-38.65	52.97	74.00	21.03	Horizontal

BLE_1M_TX_CH_39_Verical



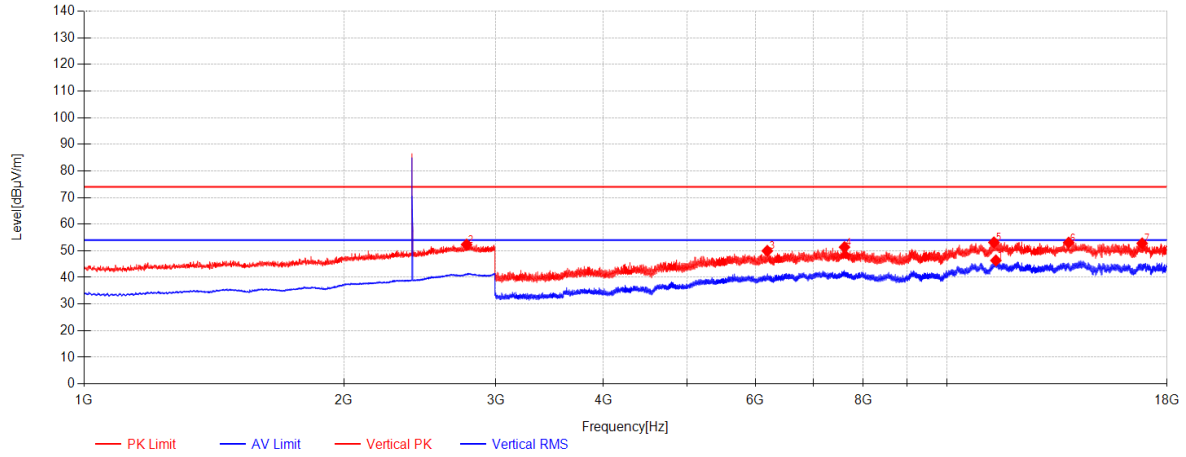
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	12011.63	46.29	39.89	-40.26	45.92	54.00	8.08	Vertical
2	2760.50	41.10	28.42	-16.82	52.70	74.00	21.30	Vertical
3	6465.38	55.57	34.25	-40.43	49.39	74.00	24.61	Vertical
4	10724.63	53.93	39.22	-40.29	52.86	74.00	21.14	Vertical
5	12070.50	53.17	39.83	-40.13	52.87	74.00	21.13	Vertical
6	14984.63	51.91	41.05	-40.00	52.96	74.00	21.04	Vertical
7	17547.00	51.47	44.69	-43.50	52.66	74.00	21.34	Vertical

BLE_2M_TX_CH_00_Horizontal



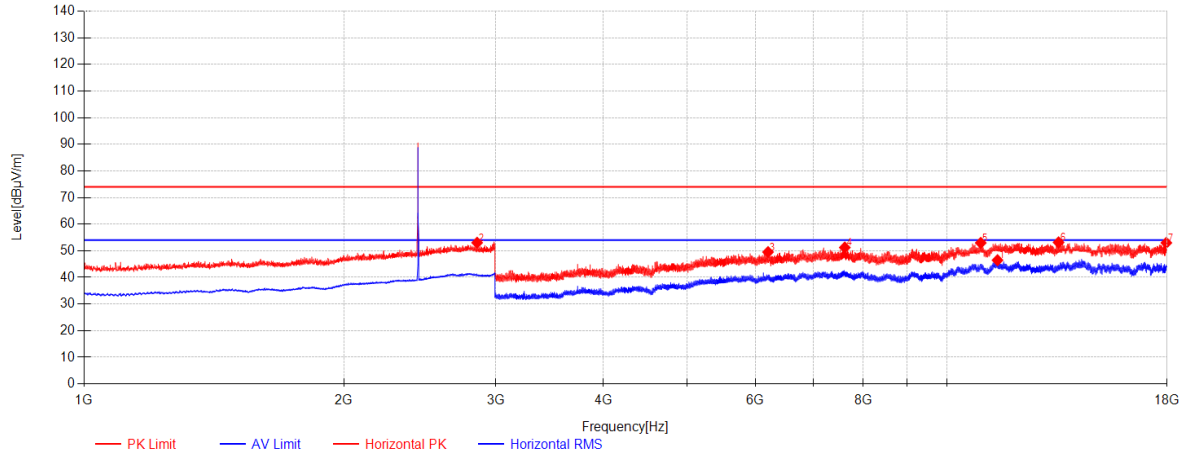
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11398.13	46.21	40.60	-40.24	46.57	54.00	7.43	Horizontal
2	2783.00	41.19	28.47	-16.68	52.98	74.00	21.02	Horizontal
3	6210.75	55.41	33.74	-40.37	48.78	74.00	25.22	Horizontal
4	7636.13	54.53	36.83	-40.44	50.92	74.00	23.08	Horizontal
5	11398.13	53.26	40.60	-40.24	53.62	74.00	20.38	Horizontal
6	14133.38	52.36	41.53	-40.54	53.35	74.00	20.65	Horizontal
7	17991.75	51.05	47.75	-46.00	52.80	74.00	21.20	Horizontal

BLE_2M_TX_CH_00_Vertical



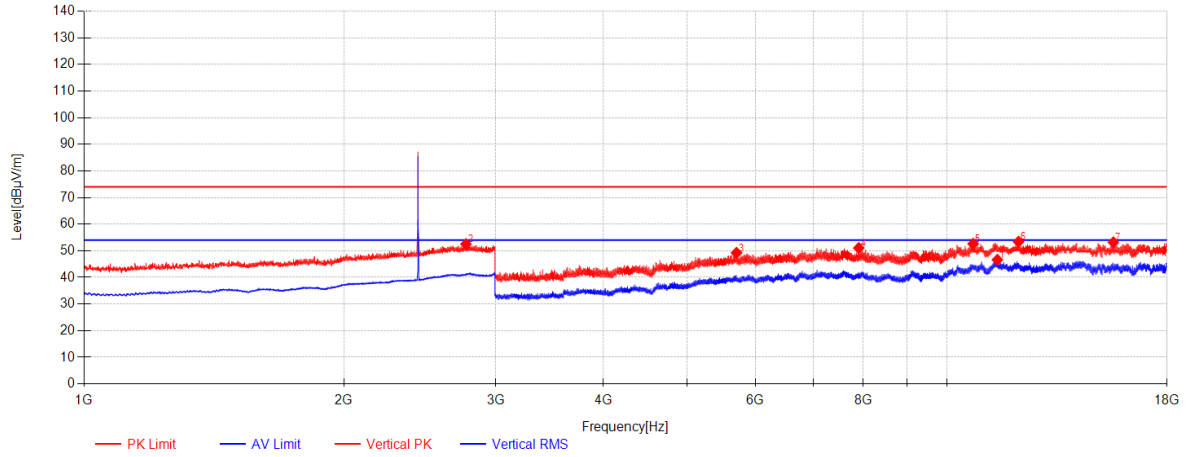
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11399.63	45.99	40.60	-40.22	46.37	54.00	7.63	Vertical
2	2775.50	40.61	28.45	-16.73	52.33	74.00	21.67	Vertical
3	6193.13	56.55	33.77	-40.36	49.96	74.00	24.04	Vertical
4	7609.50	55.01	36.88	-40.53	51.36	74.00	22.64	Vertical
5	11339.25	53.54	40.48	-40.88	53.14	74.00	20.86	Vertical
6	13841.63	52.88	40.31	-40.13	53.06	74.00	20.94	Vertical
7	16841.63	51.30	40.15	-38.67	52.78	74.00	21.22	Vertical

BLE_2M_TX_CH_19_Horizontal



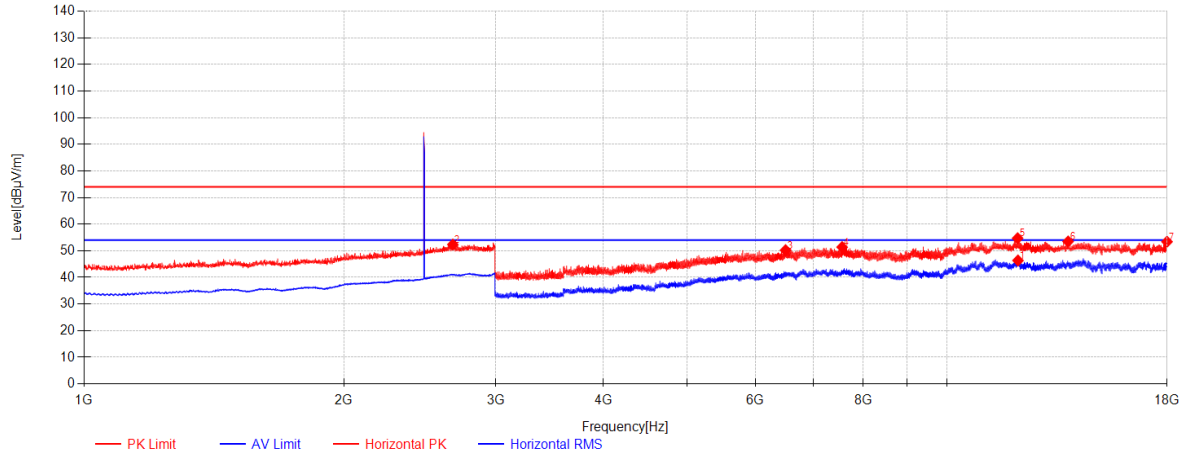
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11447.25	46.46	40.55	-40.54	46.47	54.00	7.53	Horizontal
2	2855.00	41.09	28.56	-16.63	53.02	74.00	20.98	Horizontal
3	6205.13	56.11	33.77	-40.36	49.52	74.00	24.48	Horizontal
4	7615.50	54.86	36.87	-40.51	51.22	74.00	22.78	Horizontal
5	10947.00	53.33	40.14	-40.51	52.96	74.00	21.04	Horizontal
6	13473.75	53.86	39.68	-40.38	53.16	74.00	20.84	Horizontal
7	17964.00	51.54	47.25	-45.81	52.98	74.00	21.02	Horizontal

BLE_2M_TX_CH_19_Vertical



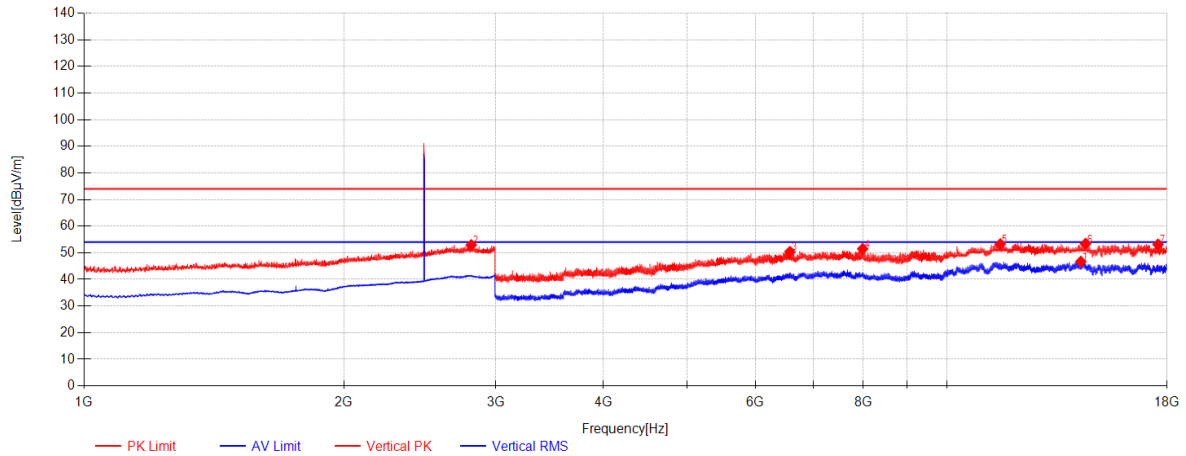
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	11444.63	46.60	40.56	-40.52	46.64	54.00	7.36	Vertical
2	2771.00	40.82	28.44	-16.76	52.50	74.00	21.50	Vertical
3	5704.50	56.80	32.75	-40.31	49.24	74.00	24.76	Vertical
4	7905.00	54.62	36.79	-40.35	51.06	74.00	22.94	Vertical
5	10726.88	53.69	39.23	-40.29	52.63	74.00	21.37	Vertical
6	12107.63	53.74	39.81	-40.14	53.41	74.00	20.59	Vertical
7	15597.38	51.34	38.81	-37.00	53.15	74.00	20.85	Vertical

BLE_2M_TX_CH_39_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	12090.75	46.64	39.81	-40.09	46.36	54.00	7.64	Horizontal
2	2675.50	41.37	28.20	-17.22	52.35	74.00	21.65	Horizontal
3	6502.13	56.11	34.61	-40.50	50.22	74.00	23.78	Horizontal
4	7561.50	55.28	36.75	-40.66	51.37	74.00	22.63	Horizontal
5	12077.63	55.01	39.82	-40.12	54.71	74.00	19.29	Horizontal
6	13821.00	53.35	40.21	-40.08	53.48	74.00	20.52	Horizontal
7	17996.25	51.59	47.83	-46.03	53.39	74.00	20.61	Horizontal

BLE_2M_TX_CH_39_Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	14298.75	45.59	41.90	-40.82	46.67	54.00	7.33	Vertical
2	2810.50	40.96	28.52	-16.58	52.90	74.00	21.10	Vertical
3	6578.63	55.83	34.80	-40.27	50.36	74.00	23.64	Vertical
4	7987.88	55.01	36.70	-40.24	51.47	74.00	22.53	Vertical
5	11531.63	53.62	40.53	-40.92	53.23	74.00	20.77	Vertical
6	14479.50	52.54	41.66	-40.81	53.39	74.00	20.61	Vertical
7	17568.75	51.71	44.78	-43.37	53.12	74.00	20.88	Vertical

7.4 Maximum Conducted Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)
Test Method: ANSI C63.10-2020/Cor1-2023 Section 11.9

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

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

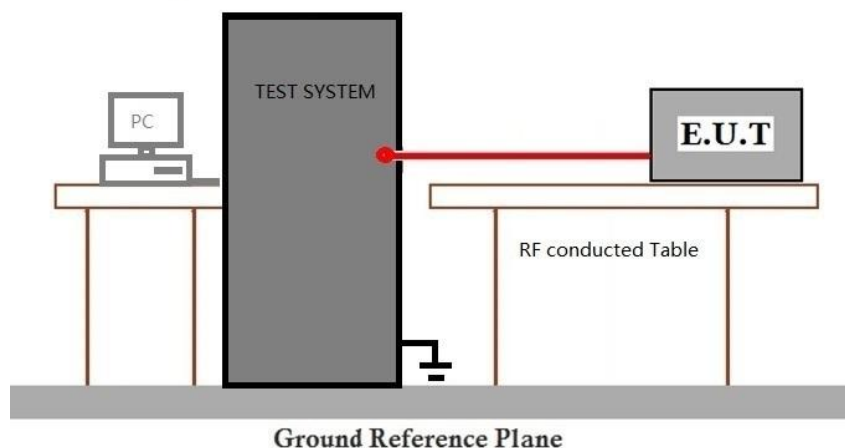
Humidity: 44 % RH

Atmospheric Pressure: 1001 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details

7.5 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2)
Test Method: ANSI C63.10-2020/Cor1-2023 Section 11.8.1

Limit: ≥ 500 kHz

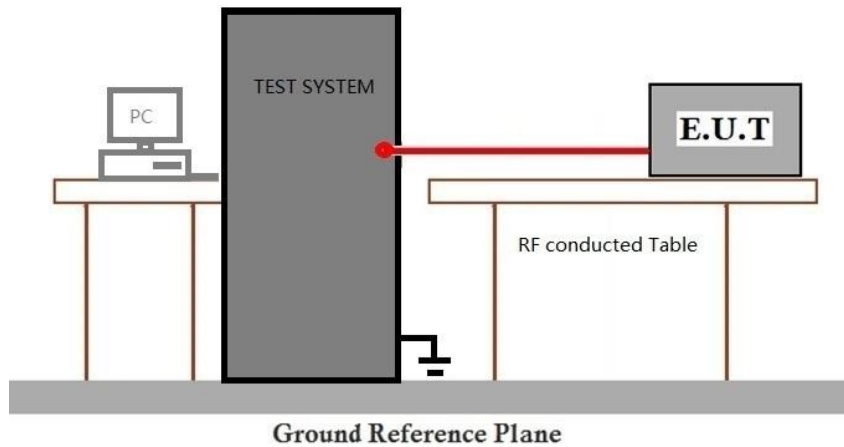
7.5.1 E.U.T. Operation

Operating Environment:
Temperature: 23 °C Humidity: 42 % RH Atmospheric Pressure: 1001 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.6 Power Spectral Density

Test Requirement 47 CFR Part 15, Subpart C 15.247(e)
Test Method: ANSI C63.10-2020/Cor1-2023 Section 11.10

Limit:
 $\leq 8\text{dBm}$ in any 3 kHz band during any time interval of continuous transmission

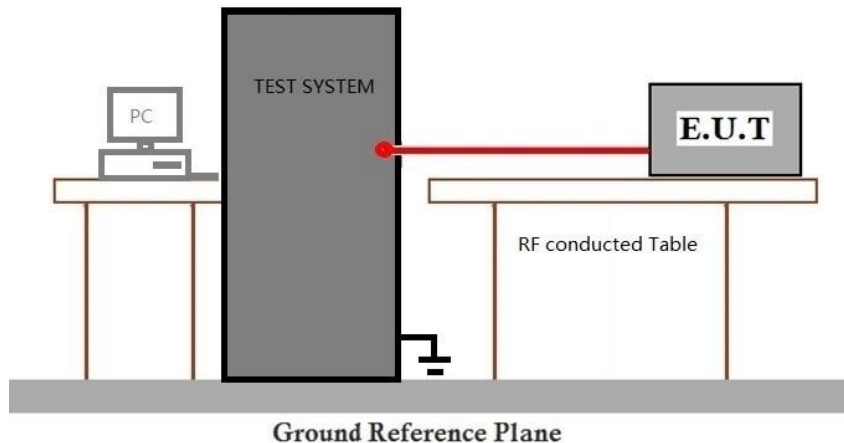
7.6.1 E.U.T. Operation

Operating Environment:
Temperature: 24 °C Humidity: 41 % RH Atmospheric Pressure: 1001 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)
 Test Method: ANSI C63.10-2020/Cor1-2023 Section 6.10.4

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)).

7.7.1 E.U.T. Operation

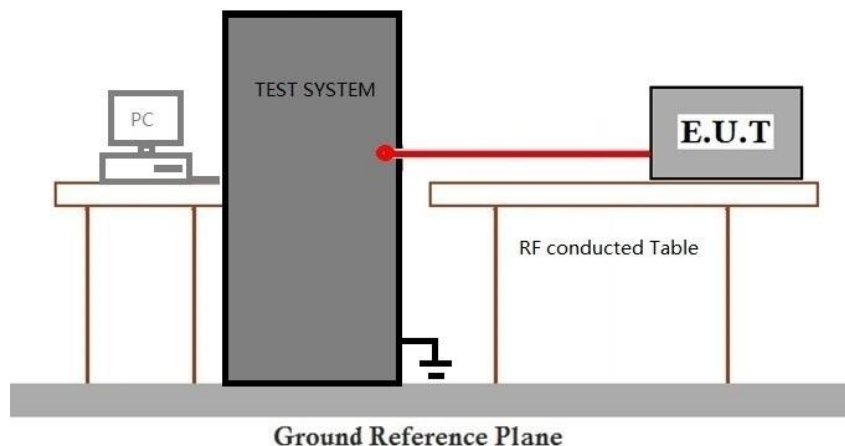
Operating Environment:

Temperature: 24 °C Humidity: 44 % RH Atmospheric Pressure: 1001 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)
Test Method: ANSI C63.10-2020/Cor1-2023 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)).

7.8.1 E.U.T. Operation

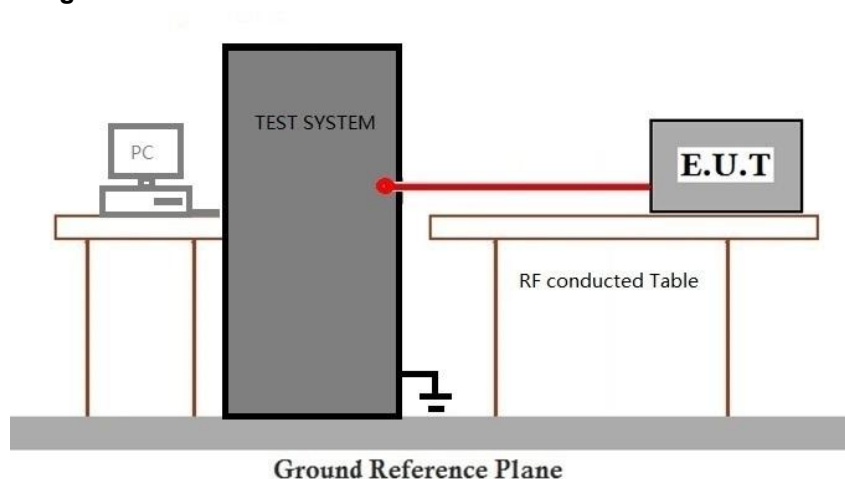
Operating Environment:

Temperature: 23 °C Humidity: 43 % RH Atmospheric Pressure: 1001 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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8 Test Setup Photo

Refer to Appendix A.4_Photos of Test Setup for SUCR2605000461AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix A.1_External Photos for SUCR2605000461AT and Appendix A.2_Internal Photos for SUCR2605000461AT

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	100.000	100.000	100.00	0.00	0.00
2M	SISO	2402	100.000	100.000	100.00	0.00	0.00

2. Bandwidth

2.1 Test Result

2.1.1 OBW

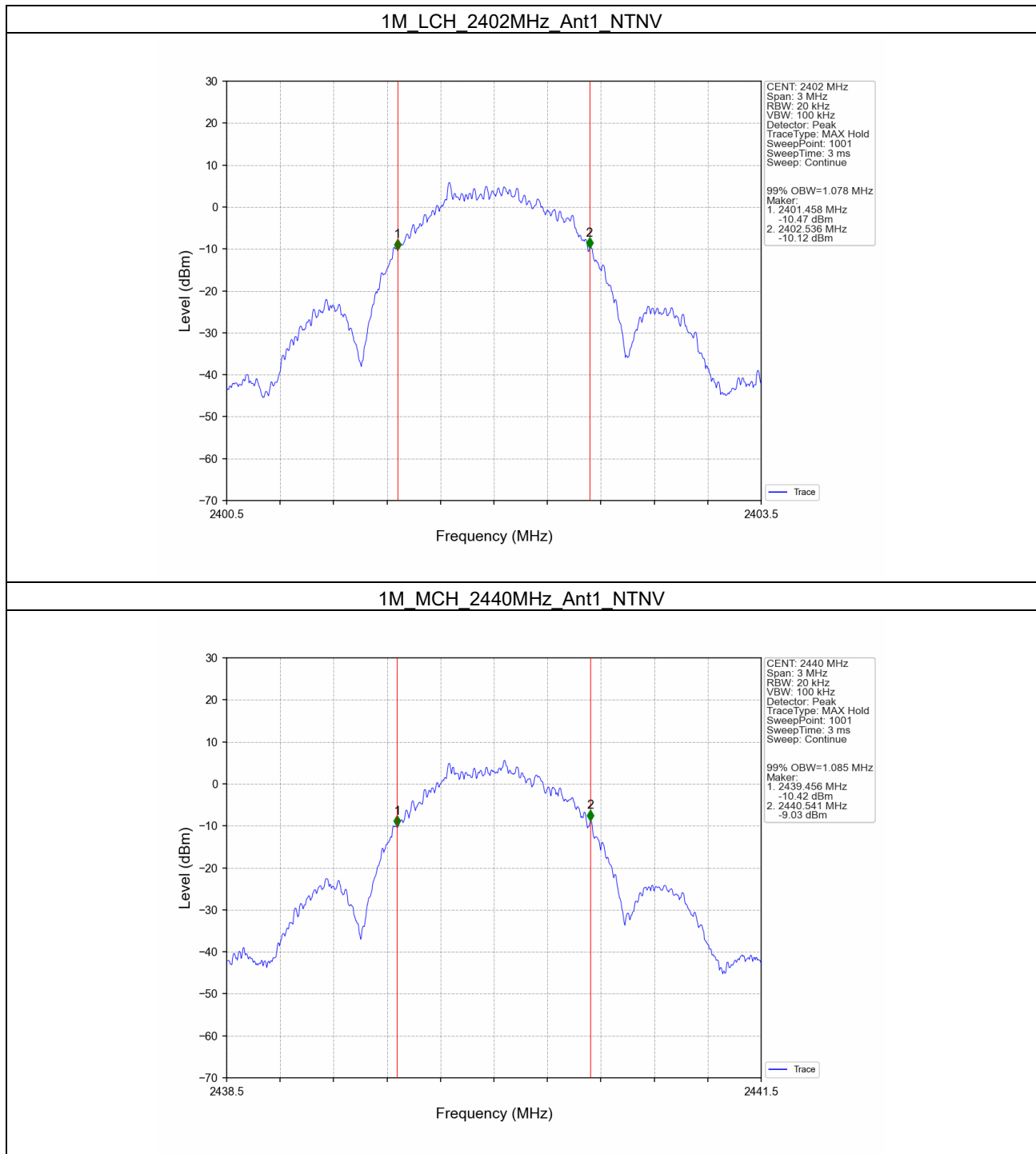
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.078	/	Pass
		2440	1	1.085	/	Pass
		2480	1	1.094	/	Pass
2M	SISO	2402	1	2.091	/	Pass
		2440	1	2.092	/	Pass
		2480	1	2.096	/	Pass

2.1.2 6dB BW

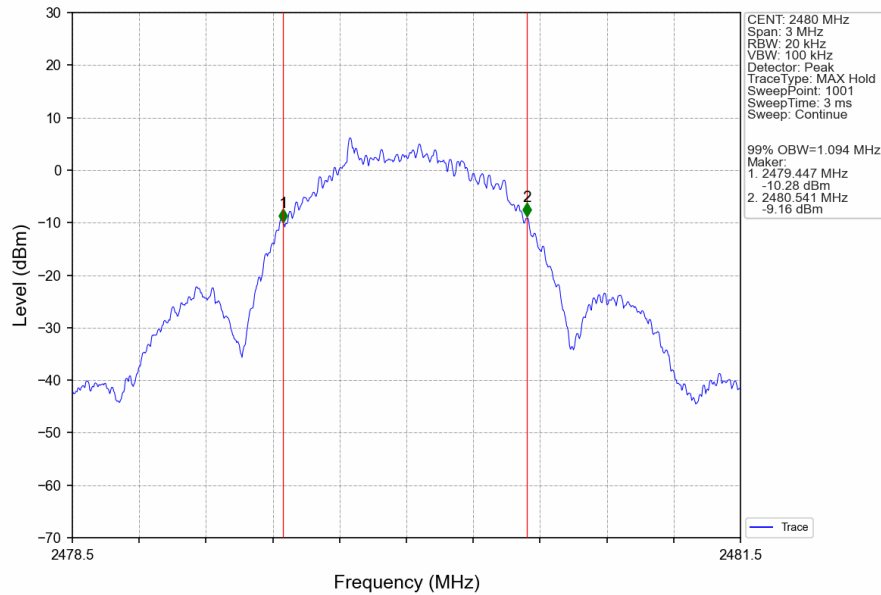
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.700	≥ 0.5	Pass
		2440	1	0.710	≥ 0.5	Pass
		2480	1	0.723	≥ 0.5	Pass
2M	SISO	2402	1	1.408	≥ 0.5	Pass
		2440	1	1.391	≥ 0.5	Pass
		2480	1	1.394	≥ 0.5	Pass

2.2 Test Graph

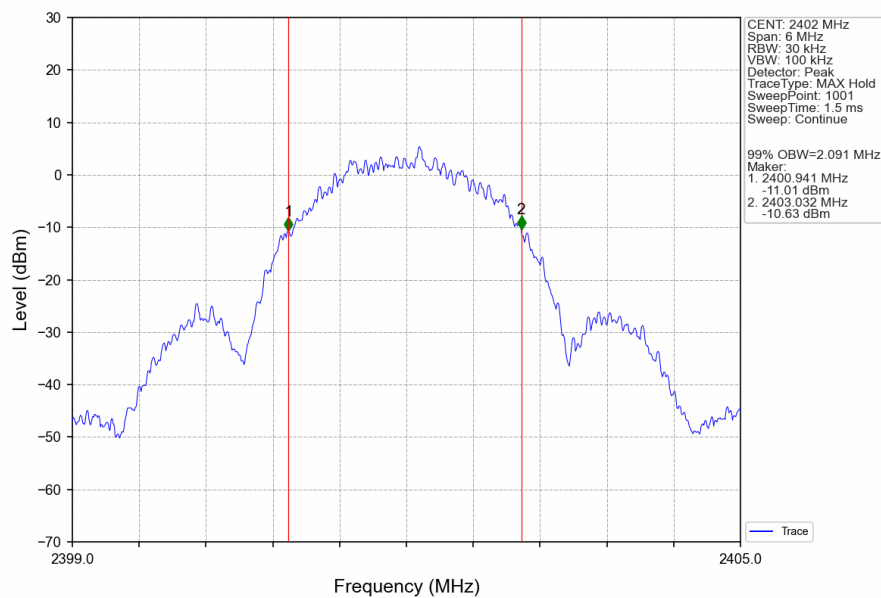
2.2.1 OBW



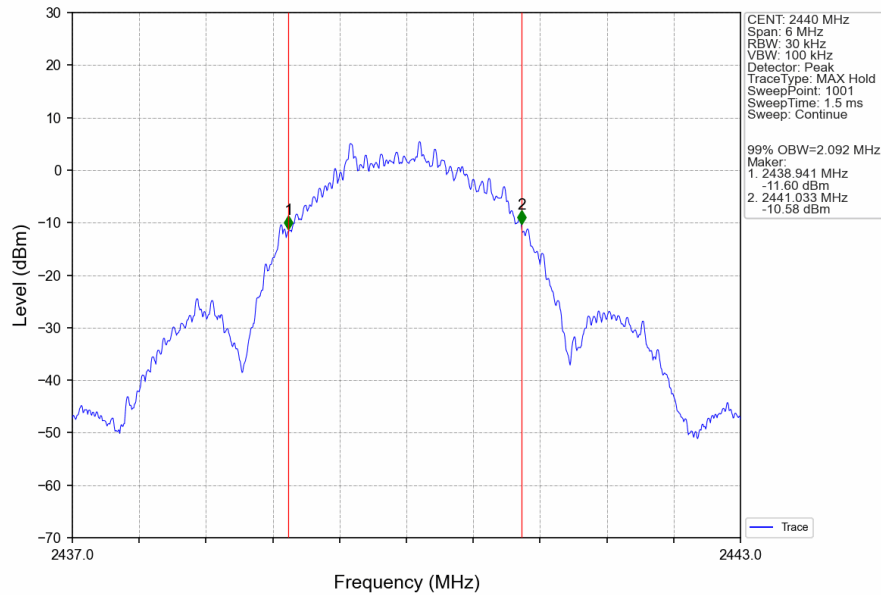
1M_HCH_2480MHz_Ant1_NTNV



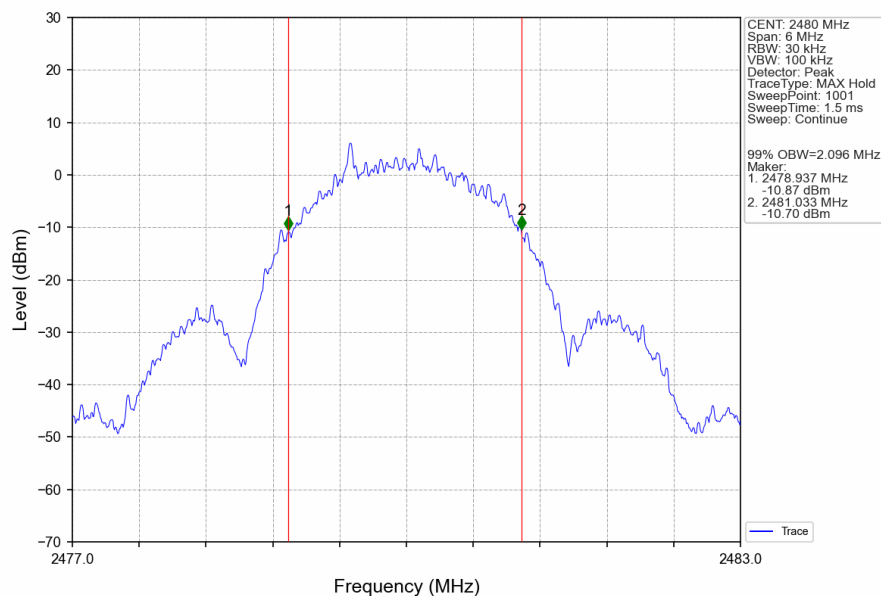
2M_LCH_2402MHz_Ant1_NTNV



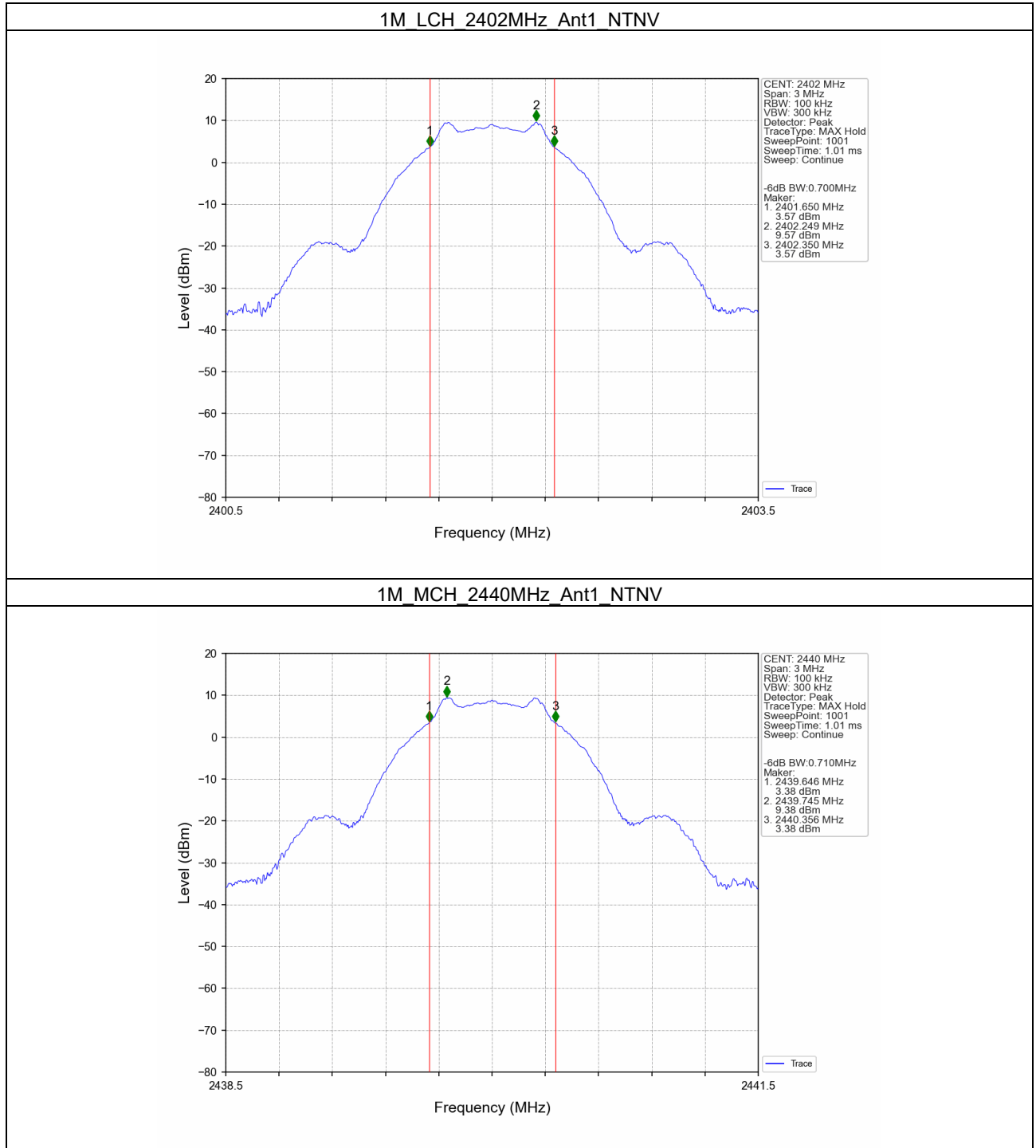
2M_MCH_2440MHz_Ant1_NTNV



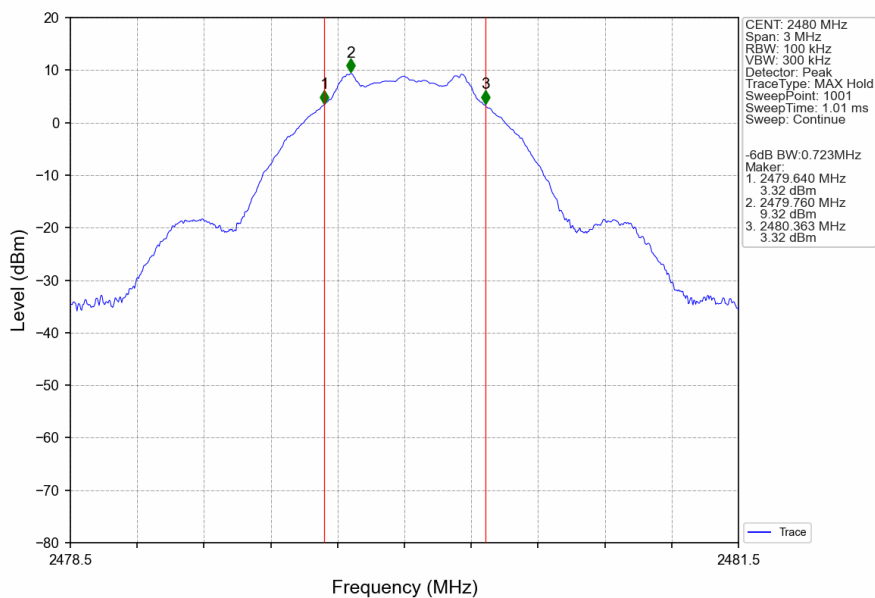
2M_HCH_2480MHz_Ant1_NTNV



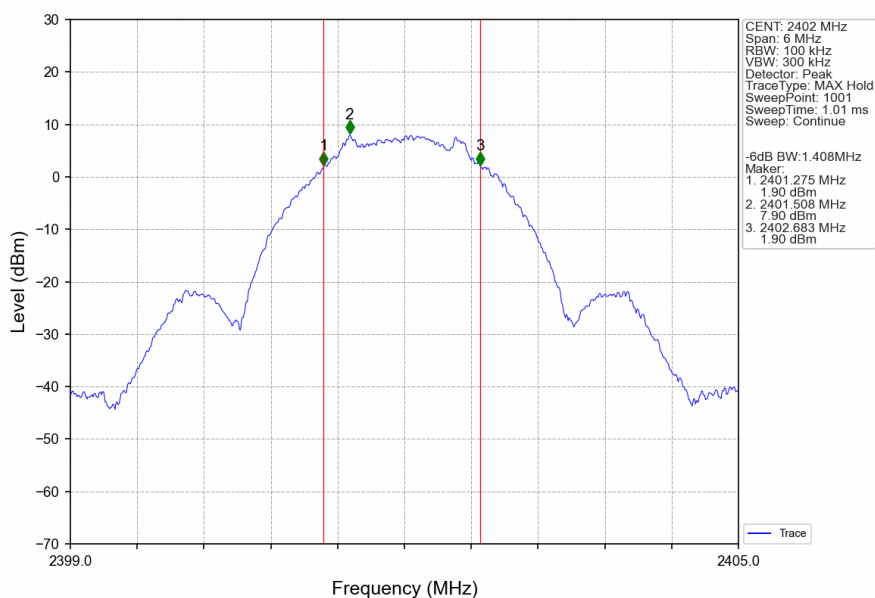
2.2.2 6dB BW



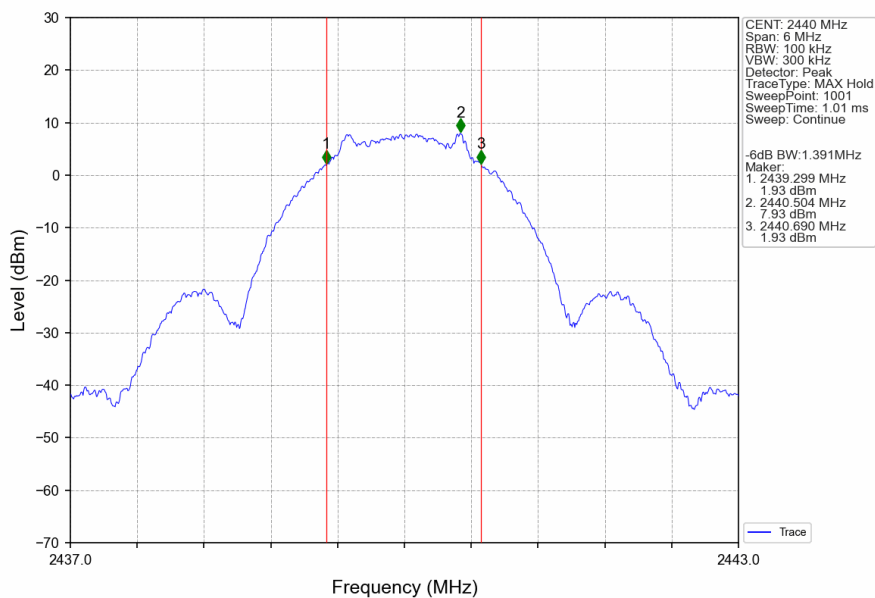
1M_HCH_2480MHz_Ant1_NTNV



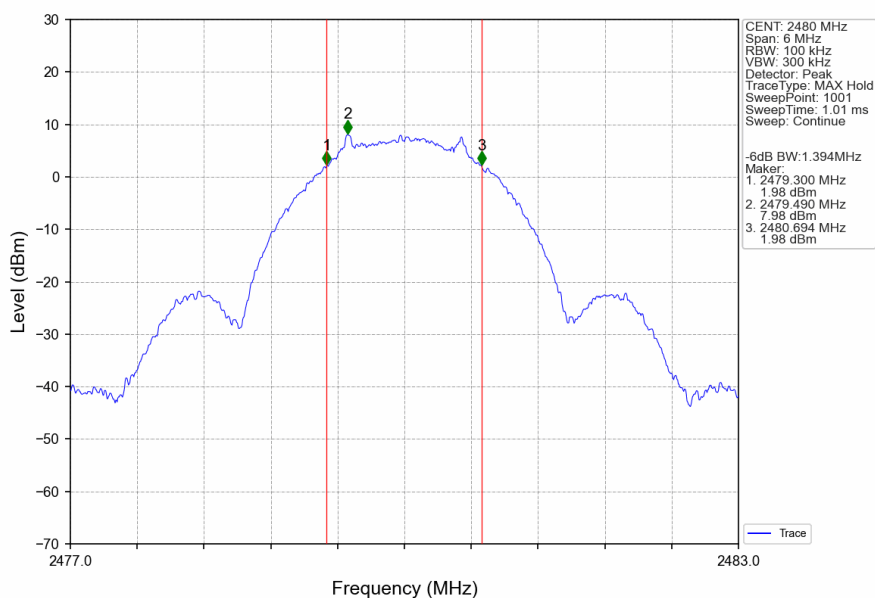
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
S2	SISO	2402	9.56	<=30	Pass
		2440	9.44	<=30	Pass
		2480	9.38	<=30	Pass
S8	SISO	2402	9.53	<=30	Pass
		2440	9.46	<=30	Pass
		2480	9.41	<=30	Pass
1M	SISO	2402	9.76	<=30	Pass
		2440	9.60	<=30	Pass
		2480	9.53	<=30	Pass
2M	SISO	2402	9.73	<=30	Pass
		2440	9.61	<=30	Pass
		2480	9.50	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi;

4. Maximum Power Spectral Density

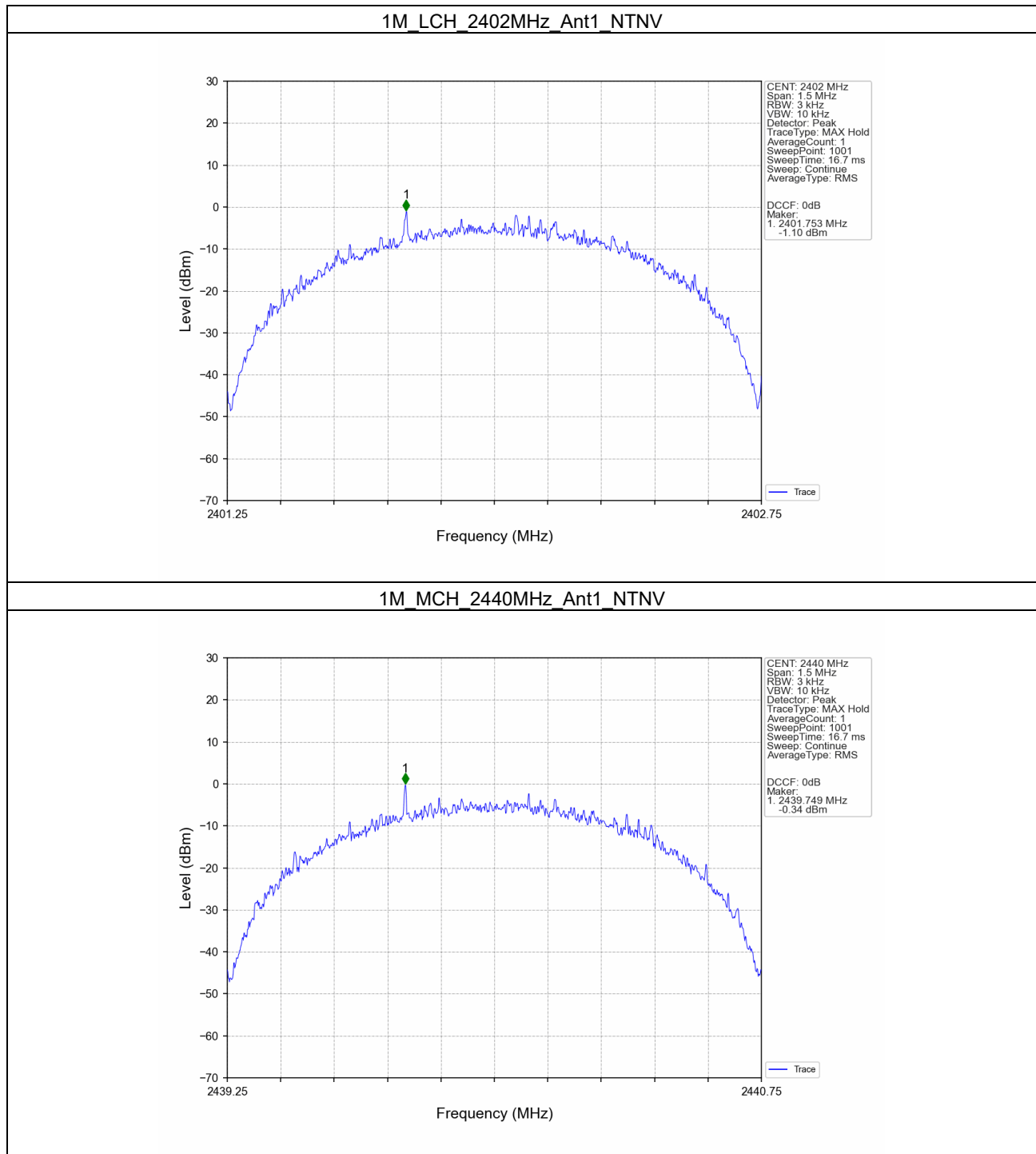
4.1 Test Result

4.1.1 PSD

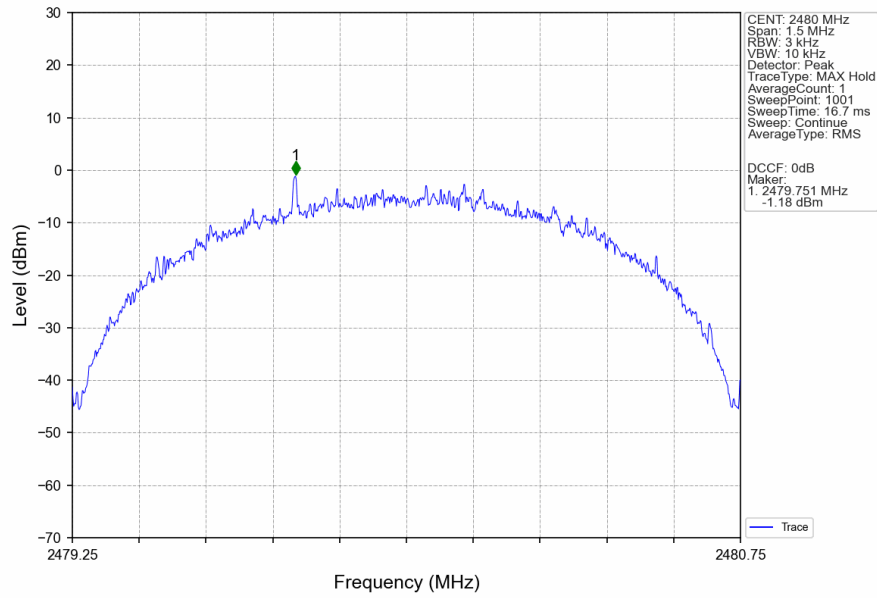
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm)		Verdict
			ANT1	Limit(dBm/3kHz)	
1M	SISO	2402	-1.10dBm/3kHz	<=8	Pass
		2440	-0.34dBm/3kHz	<=8	Pass
		2480	-1.18dBm/3kHz	<=8	Pass
2M	SISO	2402	-3.96dBm/3kHz	<=8	Pass
		2440	-5.87dBm/3kHz	<=8	Pass
		2480	-4.23dBm/3kHz	<=8	Pass
Note1: Antenna Gain: Ant1: 2.00dBi;					

4.2 Test Graph

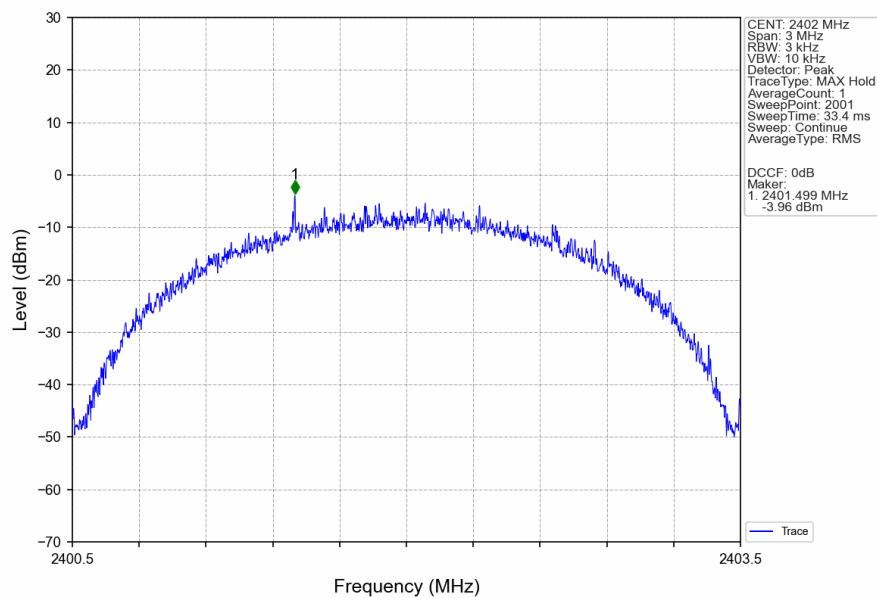
4.2.1 PSD



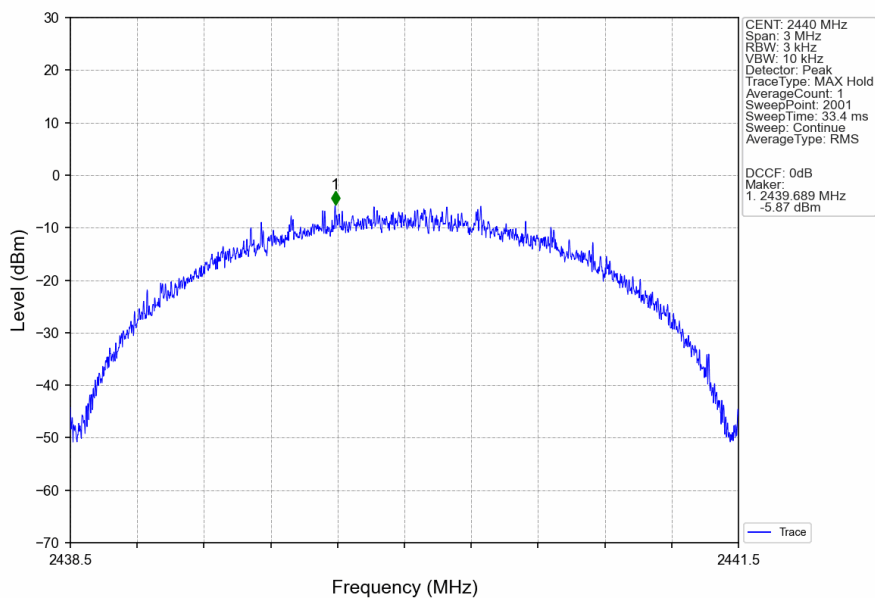
1M_HCH_2480MHz_Ant1_NTNV



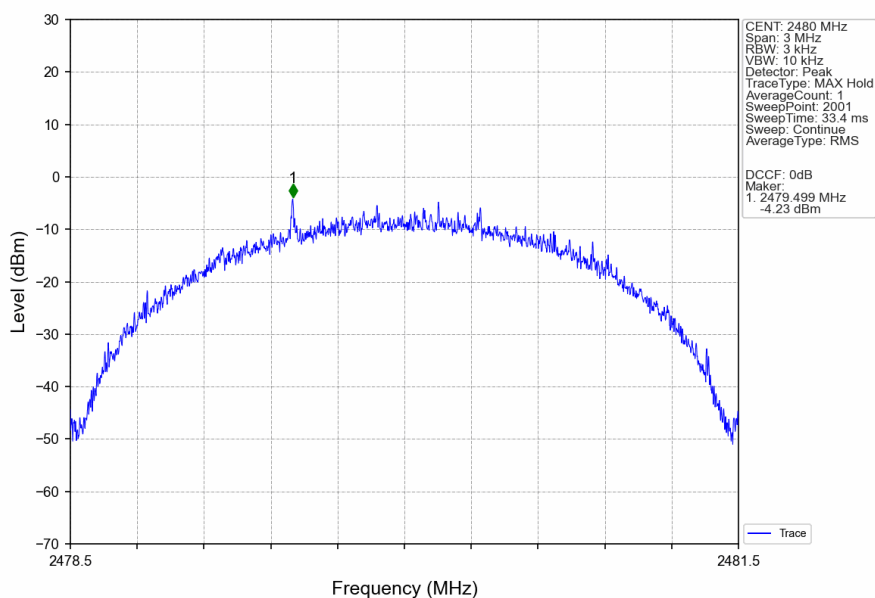
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

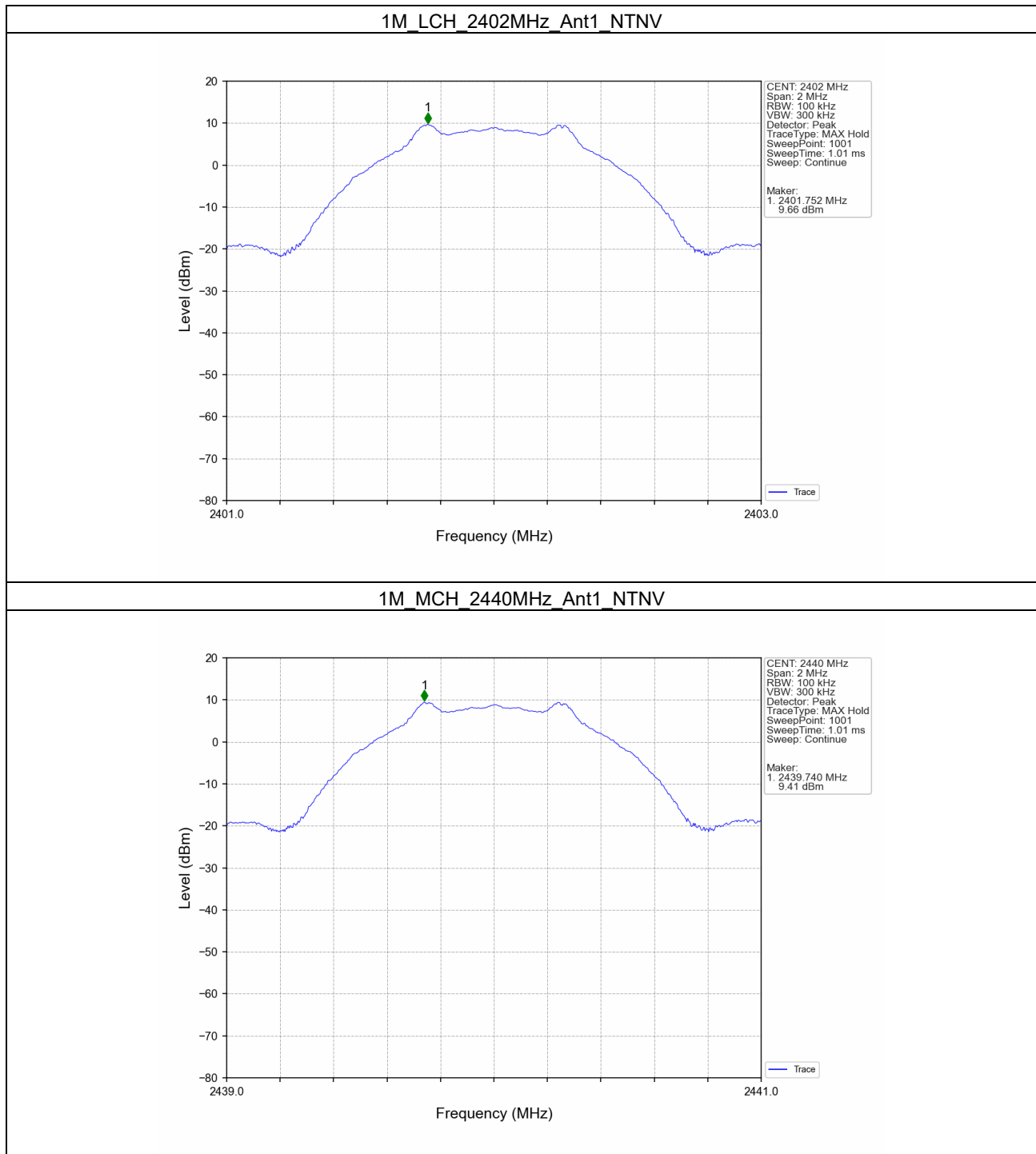
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	9.66
		2440	1	9.41
		2480	1	9.32
2M	SISO	2402	1	8.16
		2440	1	7.96
		2480	1	8.01

5.1.2 CSE

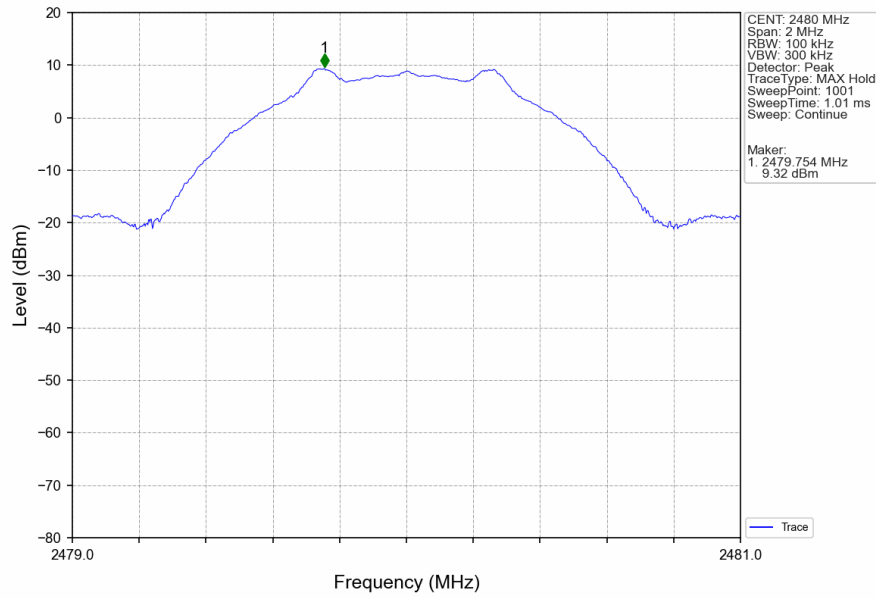
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	9.66	-10.34	Pass
		2440	1	9.66	-10.34	Pass
		2480	1	9.66	-10.34	Pass
2M	SISO	2402	1	8.16	-11.84	Pass
		2440	1	8.16	-11.84	Pass
		2480	1	8.16	-11.84	Pass

5.2 Test Graph

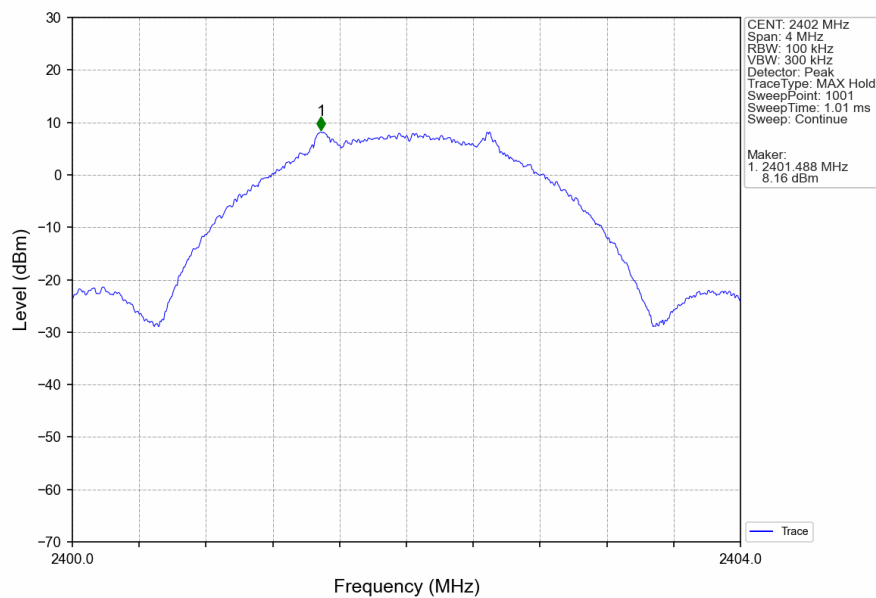
5.2.1 Ref



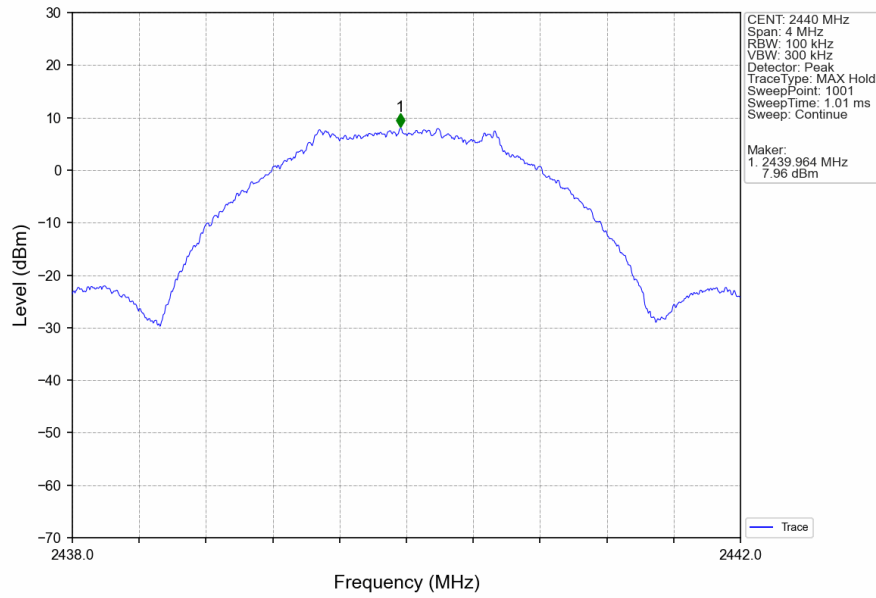
1M_HCH_2480MHz_Ant1_NTNV



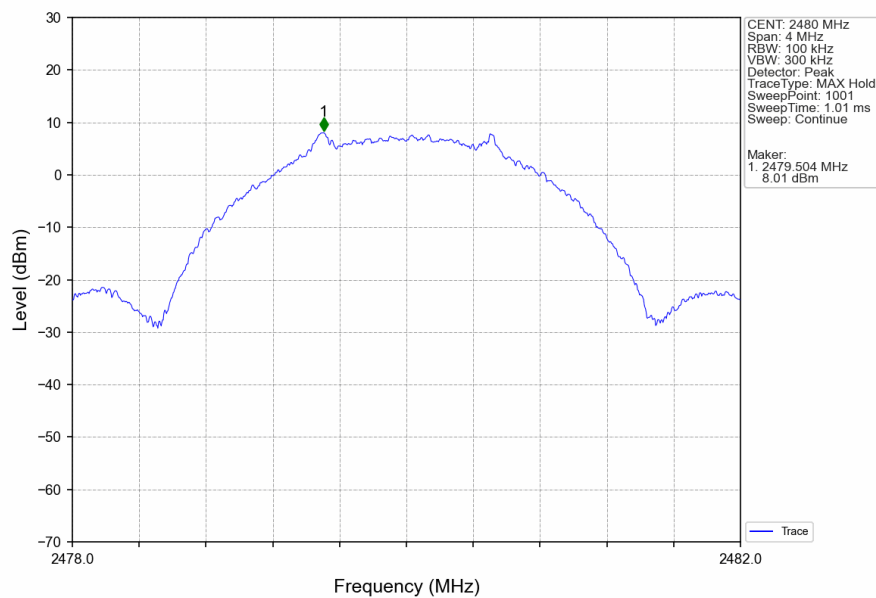
2M_LCH_2402MHz_Ant1_NTNV



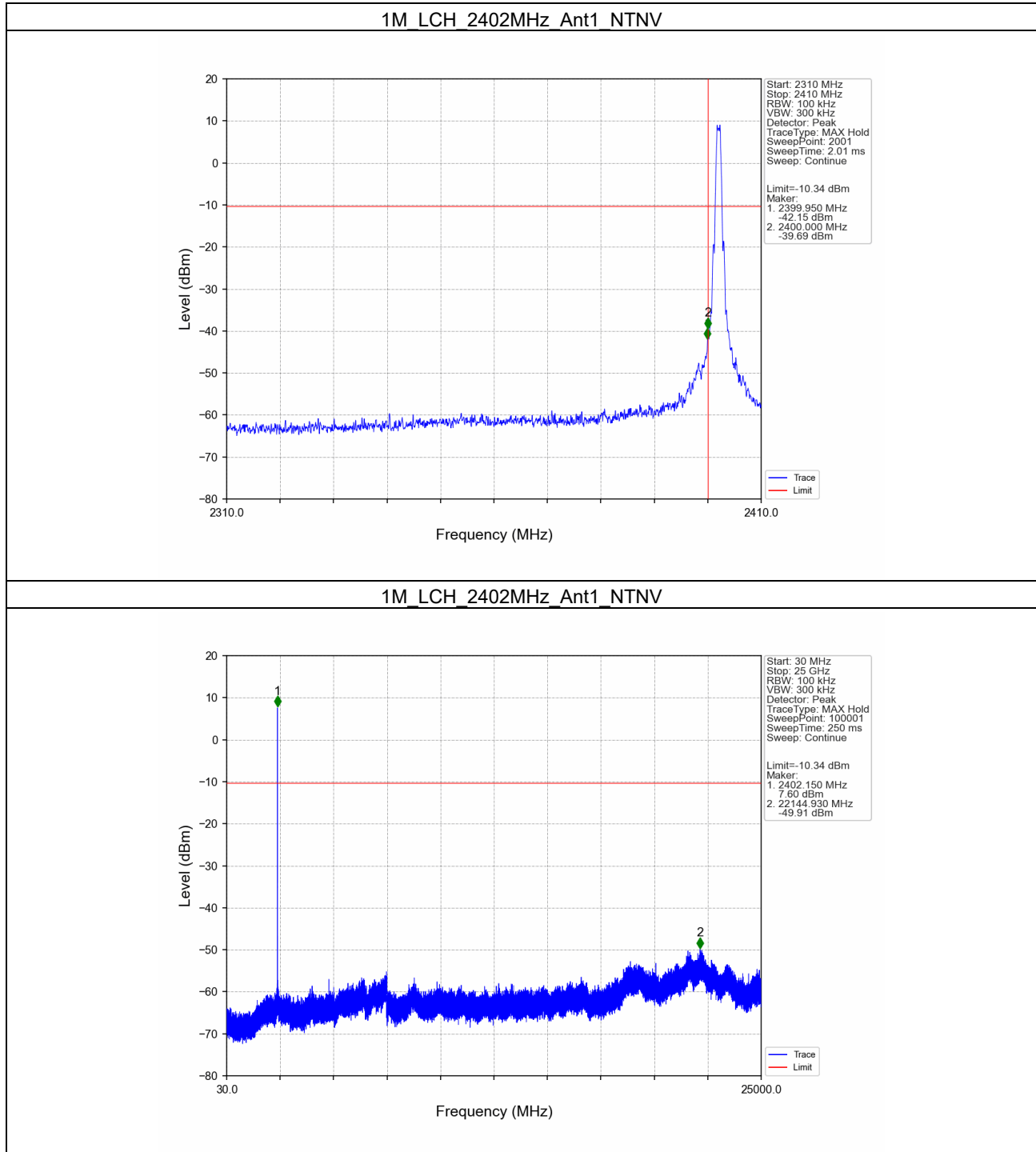
2M_MCH_2440MHz_Ant1_NTNV



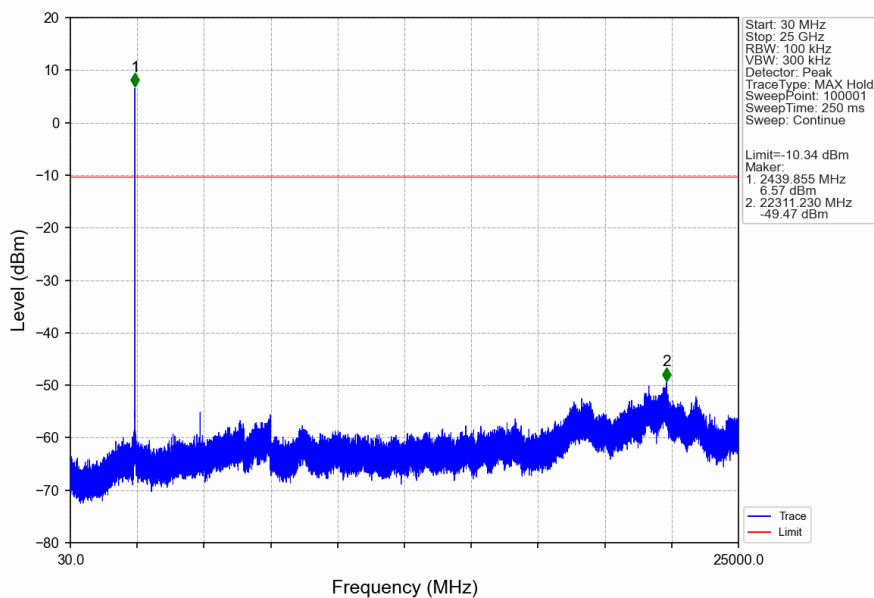
2M_HCH_2480MHz_Ant1_NTNV



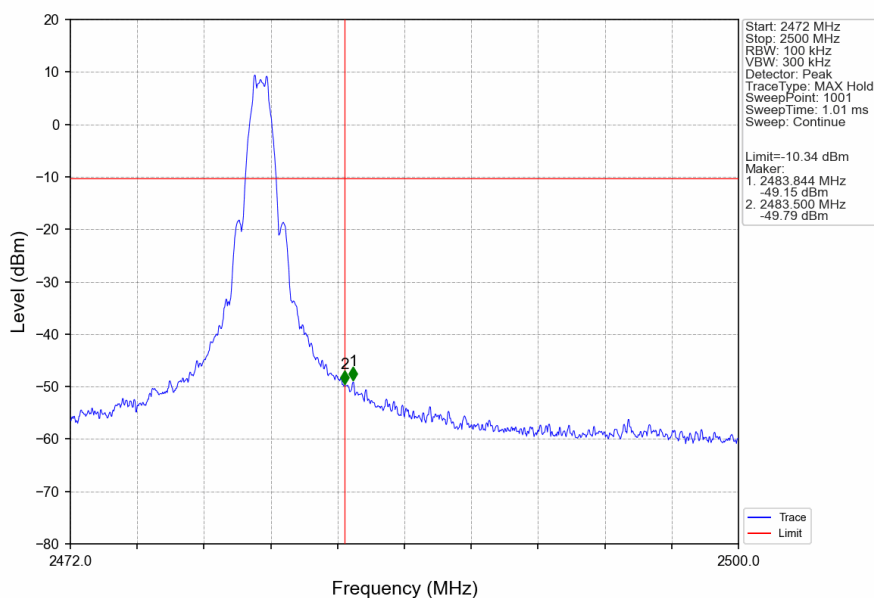
5.2.2 CSE



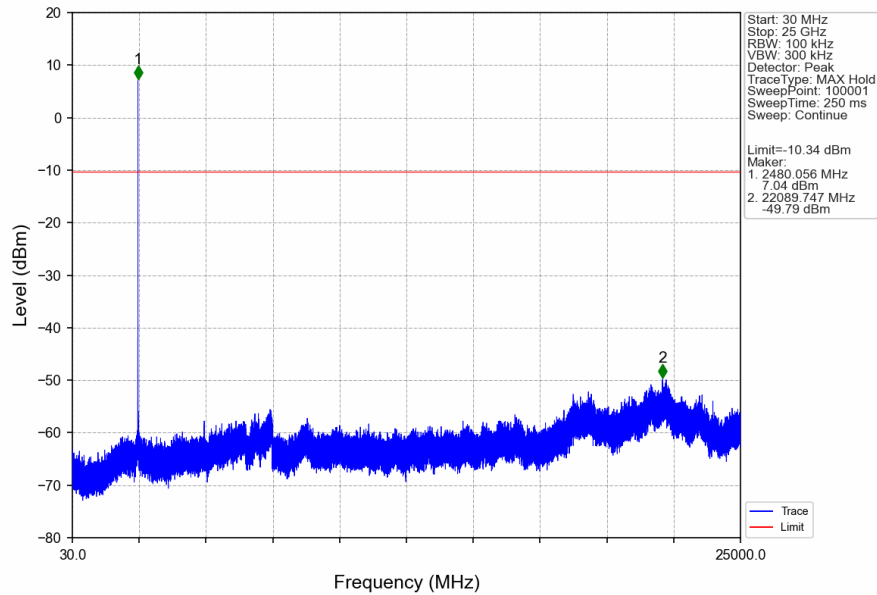
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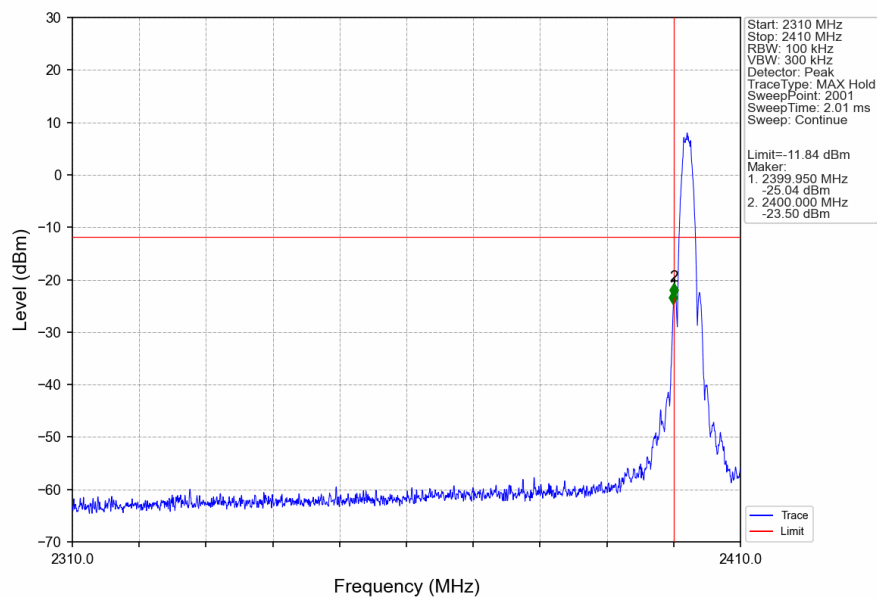
1M_HCH_2480MHz_Ant1_NTNV



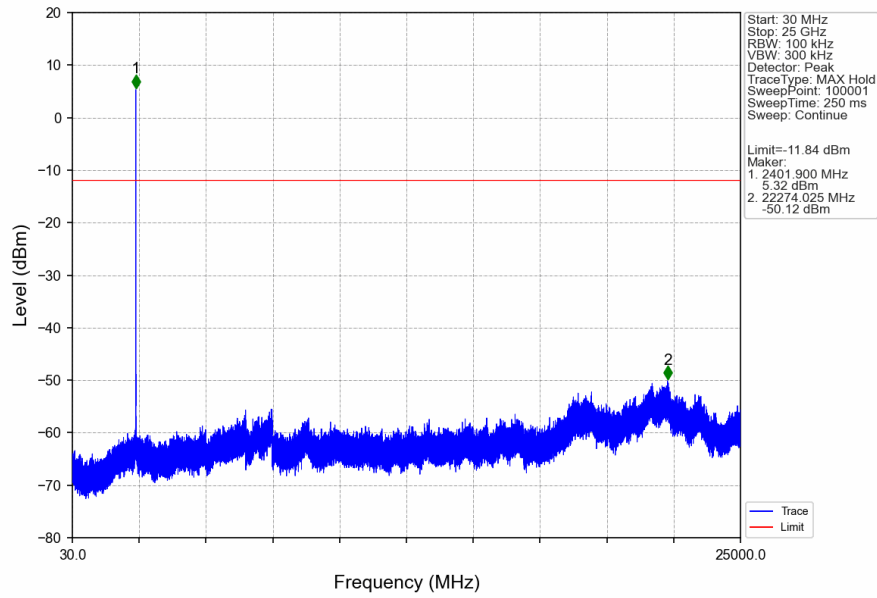
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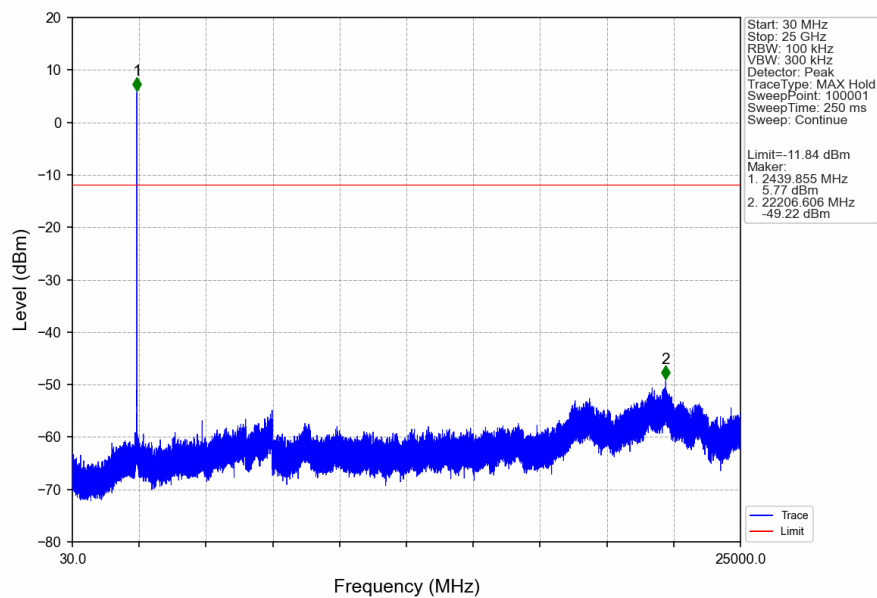
2M_LCH_2402MHz_Ant1_NTNV



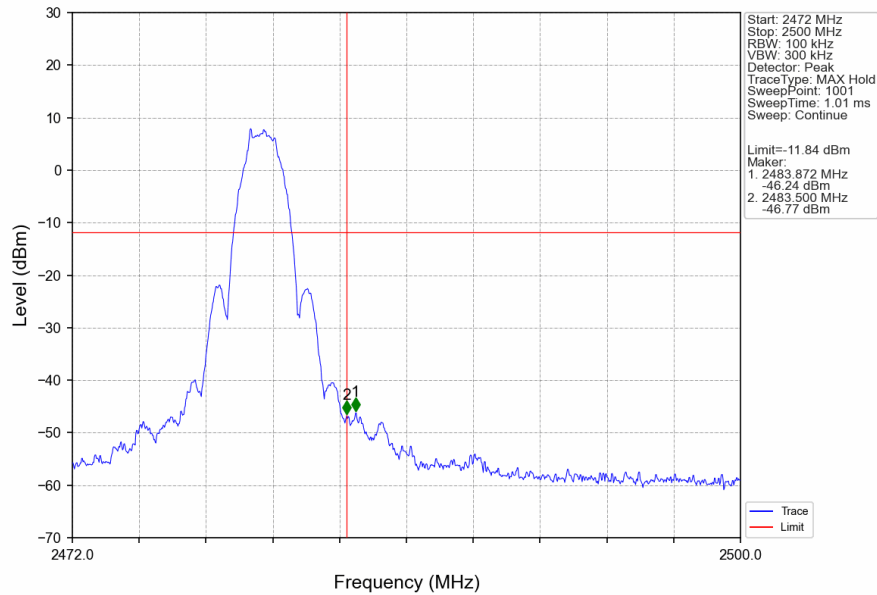
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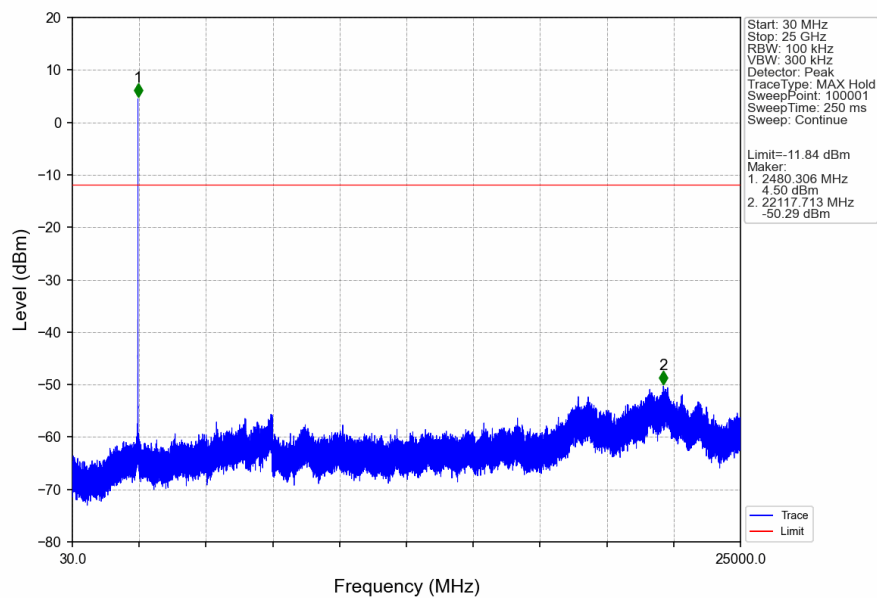
2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



- End of the Report -