



REPORT No.: SZ24060274W01

TEST REPORT

APPLICANT : Anker Innovations Limited

PRODUCT NAME : eufy Smart Lock E30

MODEL NAME : T85F1

BRAND NAME : eufy

FCC ID : 2AOKB-T85F1

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2024-06-27

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Change History		
Version	Date	Reason for change
1.0	2024-08-01	First edition



1. Summary of Test Result

No.	Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	No deviation
2	N/A	Duty Cycle of Test Signal	Jul. 04, 2024	Su Xiaoxian	PASS	No deviation
3	15.247(b)	Maximum Peak Conducted Output Power	Jul. 04, 2024	Su Xiaoxian	PASS	No deviation
4	15.247(b)	Maximum Average Conducted Output Power	Jul. 04, 2024	Su Xiaoxian	PASS	No deviation
5	15.247(a)	Bandwidth	Jul. 04, 2024	Su Xiaoxian	PASS	No deviation
6	15.247(d)	Conducted Spurious Emission and Band Edge	Jul. 04, 2024	Su Xiaoxian	PASS	No deviation
7	15.247(e)	Power Spectral Density	Jul. 04, 2024	Su Xiaoxian	PASS	No deviation
8	15.207	Conducted Emission	Jul. 11, 2024	Wang Deyong	PASS	No deviation
9	15.247(d)	Restricted Frequency Bands	Jul. 30, 2024	Yang Lian	PASS	No deviation
10	15.209, 15.247(d)	Radiated Emission	Jul. 30, 2024	Yang Lian	PASS	No deviation

Note 1: The tests were performed according to the method of measurements prescribed in ANSI C63.10-2013 and KDB 558074 D01 v05r02.

Note 2: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 3: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.



1.1. Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 15 Subpart C Radio Frequency Devices



1.2. Test Equipment List

1.2.1 Conducted Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2024.02.19	2025.02.18
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial Cable	CB02	RF02	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A

1.2.2 Conducted Emission Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2024.01.25	2025.01.24
LISN	8127449	NSLK 8127	Schwarzbeck	2024.02.02	2025.02.01
Pulse Limiter (10dB)	VTSD 9561 F-B #206	VTSD 9561-F	Schwarzbeck	2024.05.30	2025.05.29
RF Coaxial Cable (DC-100MHz)	BNC	MRE04	Qualwave	N/A	N/A

1.2.3 List of Software Used

Description	Manufacturer	Software Version
Test System	MaiWei	2.0.0.0
TS+ -[JS36-RSE]	Tonscend	V3.0.0.0
TS+ -[JS32-CE]	Tonscend	V2.5.0.0

**1.2.4 Radiated Test Equipment**

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Signal Analyzer	MY56060145	N9020A	Agilent	2024.05.30	2025.05.29
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2024.06.03	2025.06.02
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2024.06.22	2025.06.21
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	N/A	N/A
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	N/A	N/A
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.05.10	2025.05.09



1.3. Measurement Uncertainty

Test Items	Uncertainty	Remark
Peak Output Power	$\pm 2.22\text{dB}$	Confidence levels of 95%
Power Spectral Density	$\pm 2.22\text{dB}$	Confidence levels of 95%
Bandwidth	$\pm 5\%$	Confidence levels of 95%
Conducted Spurious Emission	$\pm 2.77\text{dB}$	Confidence levels of 95%
Restricted Frequency Bands	$\pm 5\%$	Confidence levels of 95%
Radiated Emission	$\pm 2.95\text{dB}$	Confidence levels of 95%
Conducted Emission	$\pm 2.44\text{dB}$	Confidence levels of 95%

1.4. Testing Laboratory

Laboratory Name	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone	+86 755 36698555
Facsimile	+86 755 36698525
FCC Designation Number	CN1192
FCC Test Firm Registration Number	226174



2. General Description

2.1. Information of Applicant and Manufacturer

Applicant	Anker Innovations Limited
Applicant Address	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong
Manufacturer	Anker Innovations Limited
Manufacturer Address	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong

2.2. Information of EUT

Product Name:	eufy Smart Lock E30
Sample No.:	1#
Hardware Version:	V1
Software Version:	V1.0.1.0
Equipment Type:	Bluetooth LE
Bluetooth Version:	5.0
Modulation Type:	GFSK
Data Rate:	1Mbps, 2Mbps
Operating Frequency Range:	2402MHz-2480MHz
Antenna Type:	PCB Antenna
Antenna Gain:	3.7dBi

Note 1: We use the dedicated software to control the EUT continuous transmission.

Note 2: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



2.3.Channel List of EUT

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

Note 1: The black bold channels were selected for test.

2.4. Test Configuration of EUT

Test mode is used to control the EUT under the maximum power level during test.

2.5. Test Conditions

Temperature (°C)	15-35
Relative Humidity (%)	30-60
Atmospheric Pressure (kPa)	86-106

2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement



2.6.2. Conducted Emission Measurement

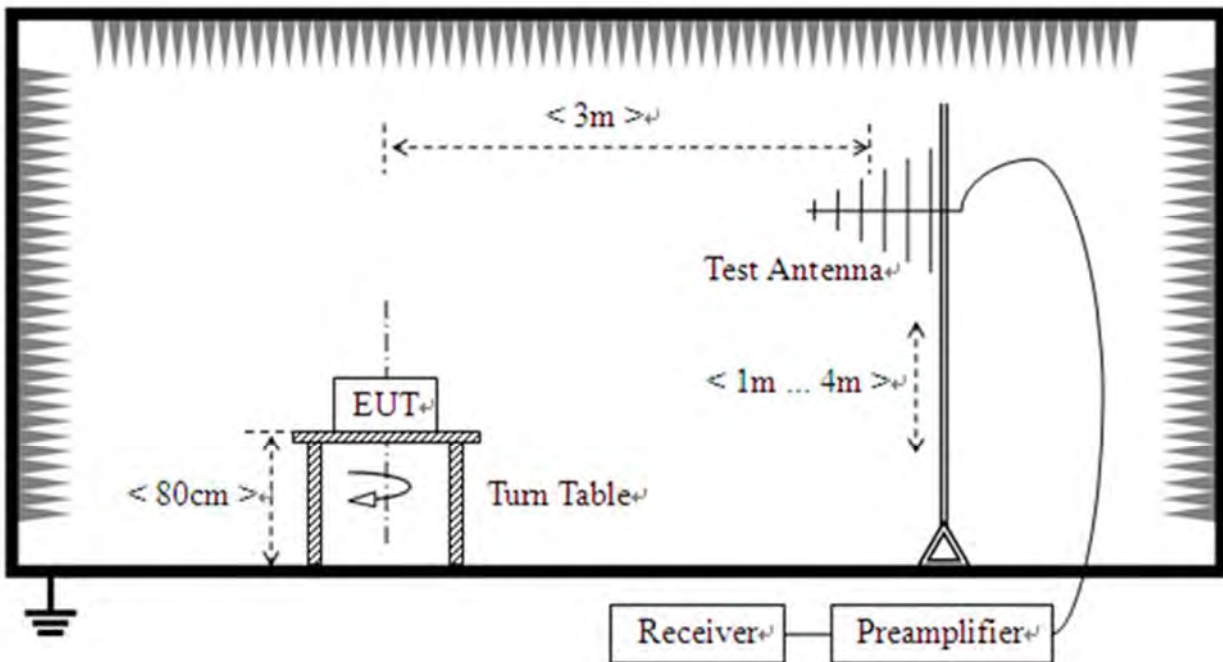


2.6.3.Radiation Measurement

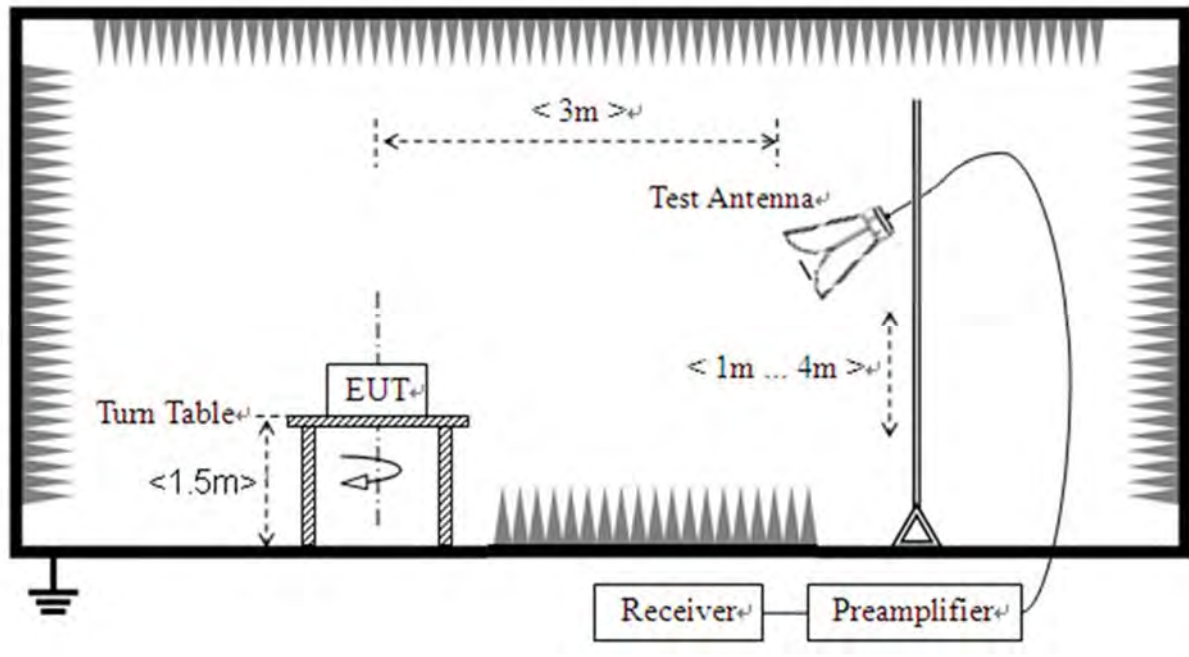
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to 1GHz



3) For radiated emissions above 1GHz





3. Test Results

3.1. Antenna Requirement

3.1.1. Requirement

According to FCC 15.203, 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 shall be considered sufficient to comply with the provisions of this section.

3.1.2. Test Result

Antenna location	Antenna Type	Coupling Method
☒ Internal ☐ External	☐ FPC Antenna ☐ Spring Antenna ☐ Ceramic Antenna ☐ Integrated Antenna ☐ Dipole Antenna ☒ PCB Antenna ☐ PIFA Antenna	☐ I-PEX Connector ☐ SMA Connector ☐ RP-SMA Connector ☐ Metal Shrapnel ☒ Layout

3.2. Duty Cycle of Test Signal

3.2.1. Requirement

Preferably, all measurements of maximum conducted (average) output power will be performed with the EUT transmitting continuously (i.e., with a duty cycle of greater than or equal to 98%). When continuous operation cannot be realized, then the use of sweep triggering/signal gating techniques can be used to ensure that measurements are made only during transmissions at the maximum power control level. Such sweep triggering/signal gating techniques will require knowledge of the minimum transmission duration (T) over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation. Sweep triggering/signal gating techniques can then be used if the measurement/sweep time of the analyzer can be set such that it does not exceed T at any time that data are being acquired (i.e., no transmitter OFF-time is to be considered).

When continuous transmission cannot be achieved and sweep triggering/signal gating cannot be implemented, alternative procedures are provided that can be used to measure the average power; however, they will require an additional measurement of the transmitter duty cycle (D). Within this sub clause, the duty cycle refers to the fraction of time over which the transmitter is ON and is transmitting at its maximum power control level. The duty cycle is considered to be constant if variations are less than $\pm 2\%$; otherwise, the duty cycle is considered to be non constant.

3.2.2. Test Result

Refer to Annex A.1 in this report.



3.3. Maximum Peak Conducted Output Power

3.3.1. Requirement

According to FCC section 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: The maximum peak conducted output power of the intentional radiator shall not exceed 1 Watt.

3.3.2. Test Procedures

KDB 558074 Section 8.3.1 was used in order to prove compliance.

3.3.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.3.4. Test Result

Refer to Annex A.2 in this report.



3.4. Maximum Average Conducted Output Power

3.4.1. Requirement

According to FCC section 15.247(b)(3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: The maximum average conducted output power of the intentional radiator shall not exceed 1 Watt.

3.4.2. Test Procedures

KDB 558074 Section 8.3.2 was used in order to prove compliance.

3.4.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.4.4. Test Result

Refer to Annex A.3 in this report.



3.5.6 dB Bandwidth

3.5.1.Requirement

According to FCC section 15.247(a) (2), systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725 - 5850 MHz bands. The minimum 6dB bandwidth shall be at least 500 kHz.

3.5.1.Test Procedures

The steps for the first option are as follows:

- a) Set analyzer center frequency to channel center frequency
- b) Set RBW to 100kHz
- c) Set VBW to 300kHz
- d) Detector = peak.
- e) Trace mode = max hold
- f) Sweep time = auto couple
- g) Allow the trace to fully stabilize
- h) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described in 11.8.1 (i.e., $RBW = 100\text{ kHz}$, $VBW \geq 3 \times RBW$, and peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be $\geq 6\text{ dB}$.

3.5.2.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.5.3.Test Result

Refer to Annex A.4 in this report.



3.6. Conducted Spurious Emissions and Band Edge

3.6.1. Requirement

According to FCC section 15.247(d), in any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

3.6.2. Test Procedures

KDB 558074 Section 8.5 and 8.7 was used in order to prove compliance.

3.6.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.6.4. Test Result

Refer to Annex A.5 and A.6 in this report.

3.7. Power Spectral Density

3.7.1. Requirement

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

3.7.2. Test Procedures

The measured power spectral density was calculated by the reading of the spectrum analyzer and calibration. Following is the test procedure for PSD test:

- a) Set analyzer center frequency to channel center frequency
- b) Set span to 1.5 times DTS
- c) Set RBW to 3kHz
- d) Set VBW to 10kHz
- e) Detector = peak
- f) Sweep time = auto couple
- g) Trace mode = max hold
- h) Allow trace to fully stabilize
- i) Use the peak marker function to determine the maximum amplitude level within the RBW

3.7.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.7.4. Test Result

Refer to Annex A.7 in this report.

3.8. Conducted Emission

3.8.1. Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency Range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

Note:

- (a) The lower limit shall apply at the band edges.
- (b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

3.8.2. Test Procedures

The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.10: 2013.

3.8.3. Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.8.4. Test Result

Refer to Annex A.8 in this report.



3.9.Restricted Frequency Bands

3.9.1.Requirement

According to FCC section 15.247(d), in any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, 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).

3.9.2.Test Procedures

The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.

For the Test Antenna:

Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength.

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1\text{GHz}$, 100 kHz for $f < 1\text{GHz}$

VBW = 3 MHz

Sweep = auto

Detector function = peak/average

Trace = max hold

Allow the trace to stabilize

3.9.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.9.4.Test Result

Refer to Annex A.9 in this report.

3.10. Radiated Emission

3.10.1.Requirement

According to FCC section 15.247(d), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$)	Measurement Distance (m)
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

Note1: For above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

Note2:For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).



3.10.2.Test Procedures

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 30MHz, the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9kHz-90 kHz, 110kHz-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements and as applicable for average measurements.

The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions. For measurements above 1 GHz, keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.

3.10.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.10.4.Test Result

Refer to Annex A.10 in this report.



Annex A Test Data and Result

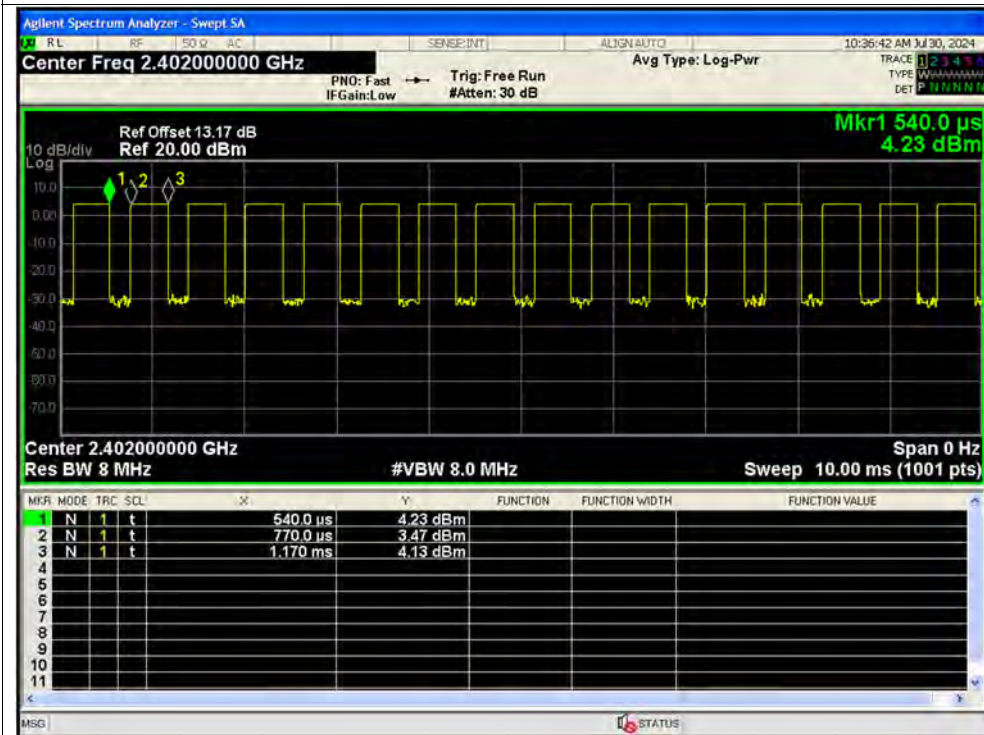
A.1. Duty Cycle of Test Signal

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant1	63.49	1.97	2.5
NVNT	BLE 1M	2440	Ant1	62.9	2.01	2.56
NVNT	BLE 1M	2480	Ant1	62.9	2.01	2.56
NVNT	BLE 2M	2402	Ant1	33.33	4.77	4.76
NVNT	BLE 2M	2440	Ant1	33.33	4.77	4.76
NVNT	BLE 2M	2480	Ant1	33.87	4.7	4.76

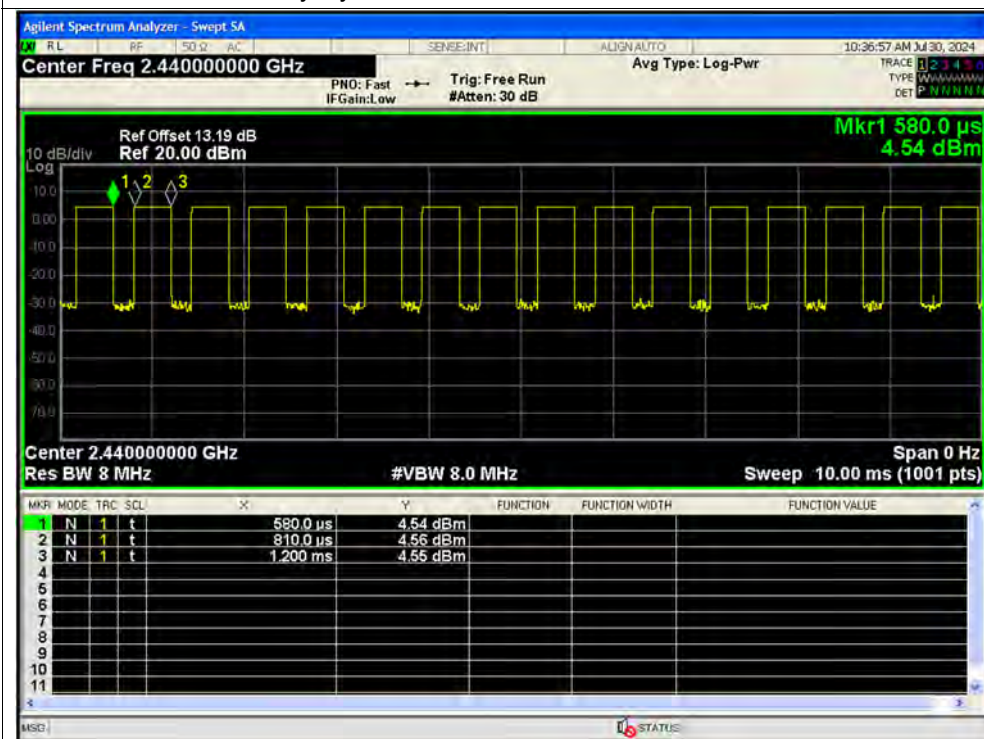


Test Graphs

Duty Cycle NVNT BLE 1M 2402MHz Ant1

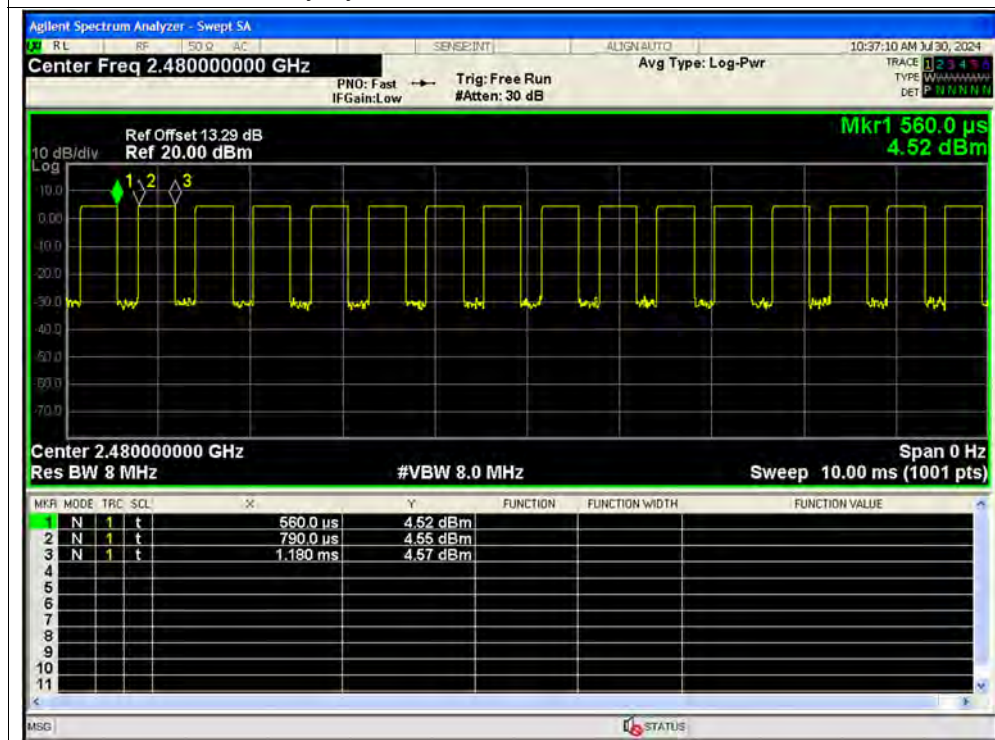


Duty Cycle NVNT BLE 1M 2440MHz Ant1

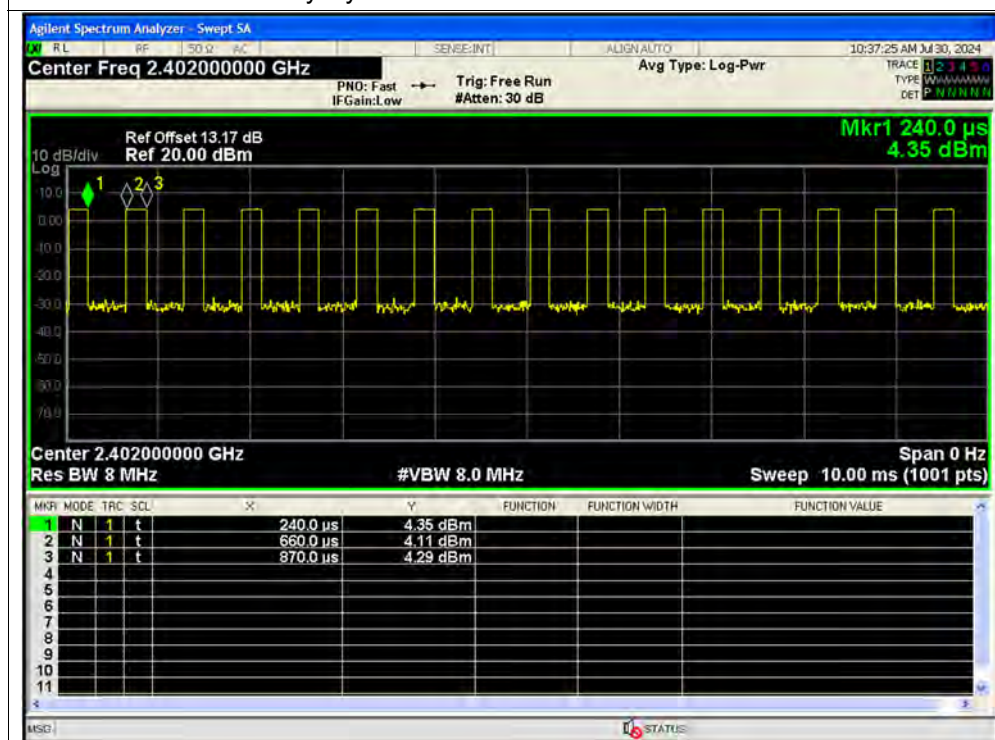




Duty Cycle NVNT BLE 1M 2480MHz Ant1

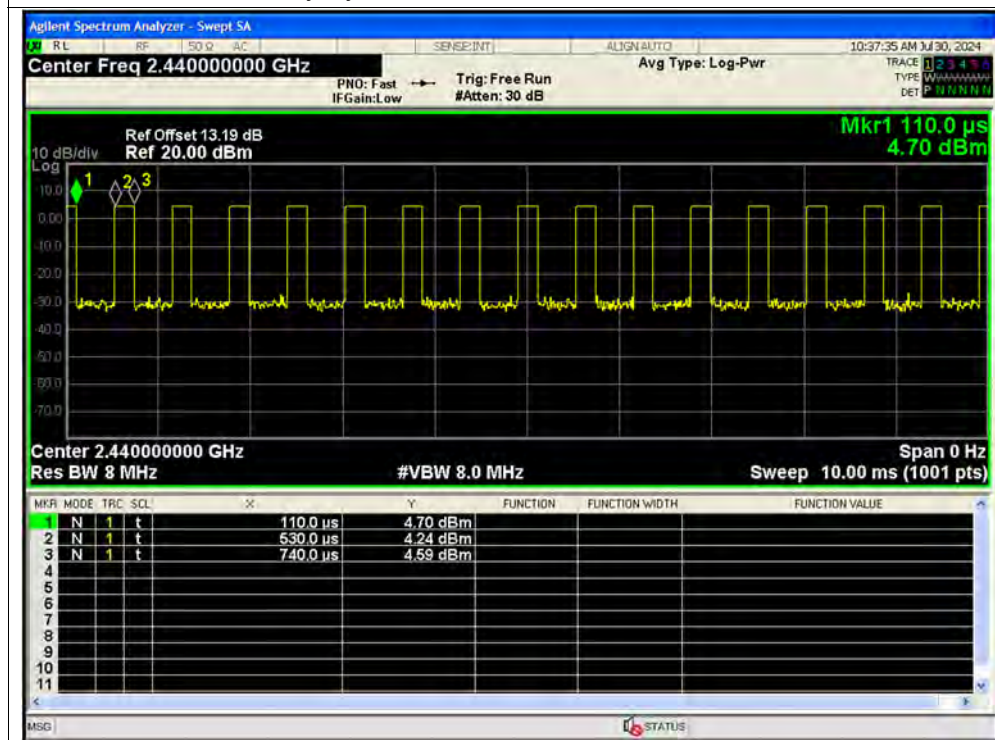


Duty Cycle NVNT BLE 2M 2402MHz Ant1

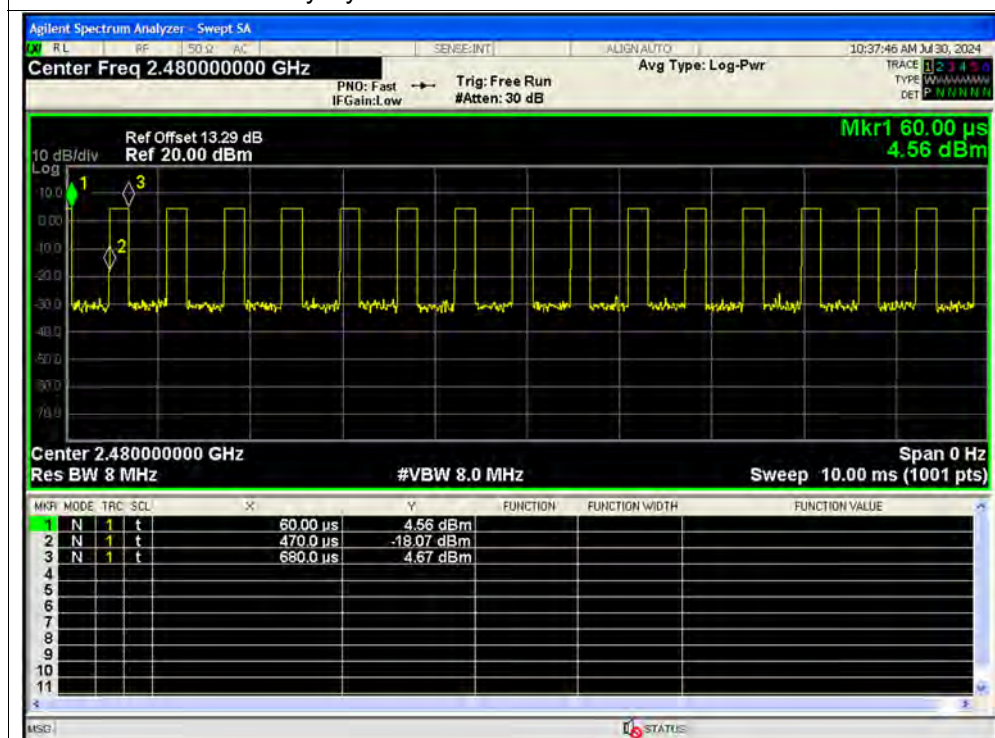




Duty Cycle NVNT BLE 2M 2440MHz Ant1



Duty Cycle NVNT BLE 2M 2480MHz Ant1

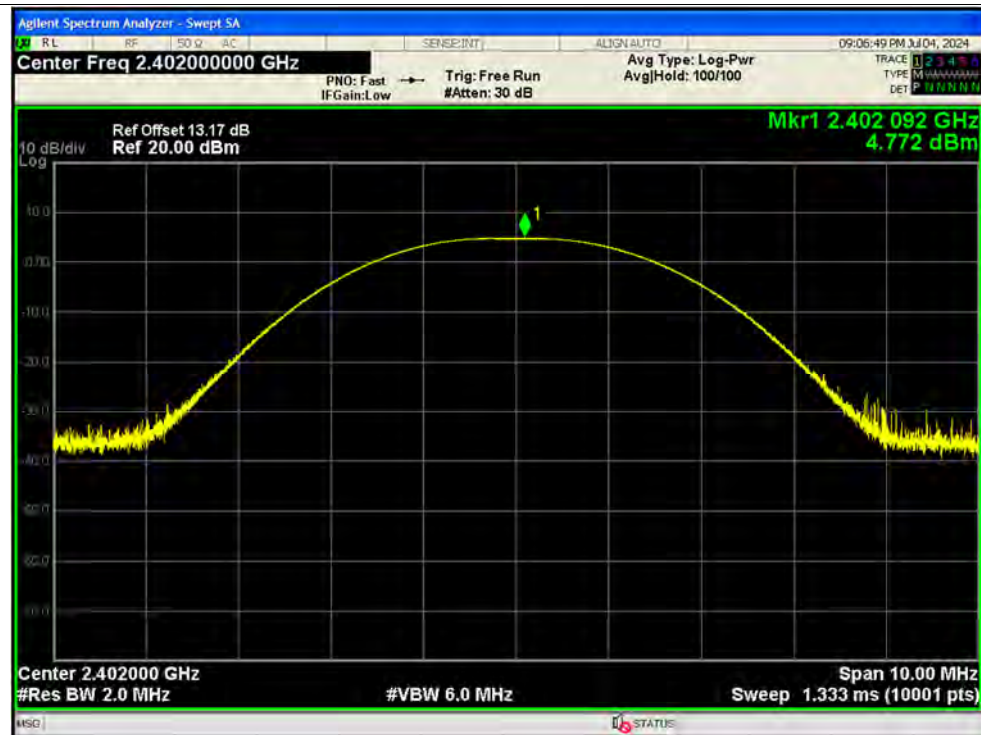


**A.2. Maximum Peak Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	4.77	0	4.77	0.003	30	Pass
NVNT	BLE 1M	2440	Ant1	4.85	0	4.85	0.00305	30	Pass
NVNT	BLE 1M	2480	Ant1	4.62	0	4.62	0.0029	30	Pass
NVNT	BLE 2M	2402	Ant1	4.78	0	4.78	0.00301	30	Pass
NVNT	BLE 2M	2440	Ant1	4.84	0	4.84	0.00305	30	Pass
NVNT	BLE 2M	2480	Ant1	4.59	0	4.59	0.00288	30	Pass

Test Graphs

Peak Power NVNT BLE 1M 2402MHz Ant1



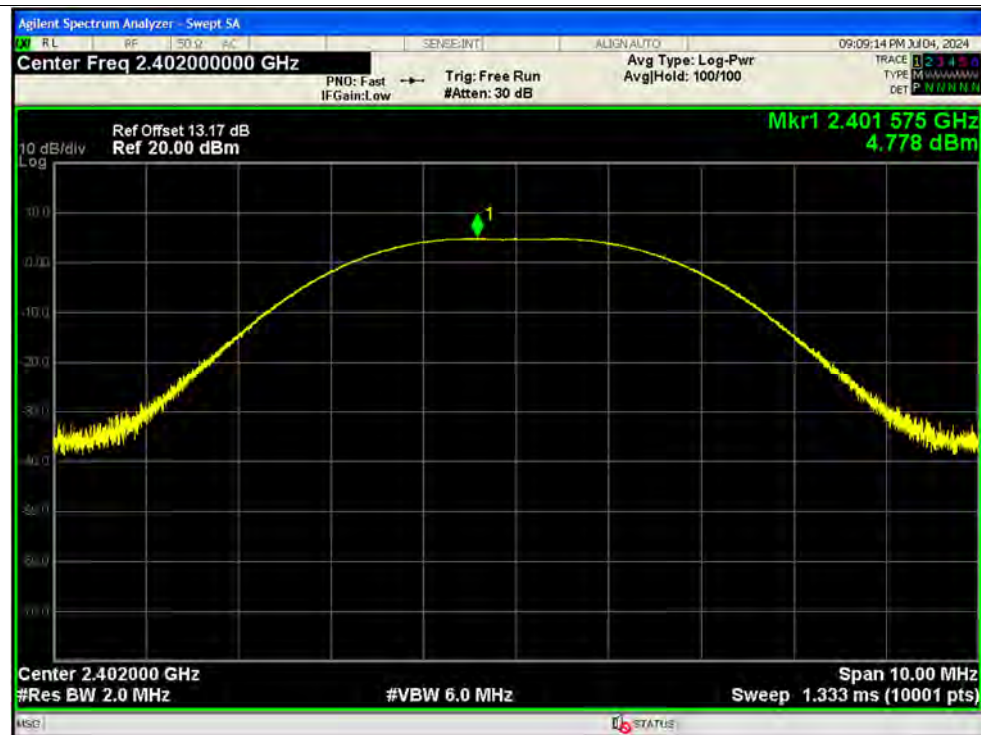
Peak Power NVNT BLE 1M 2440MHz Ant1



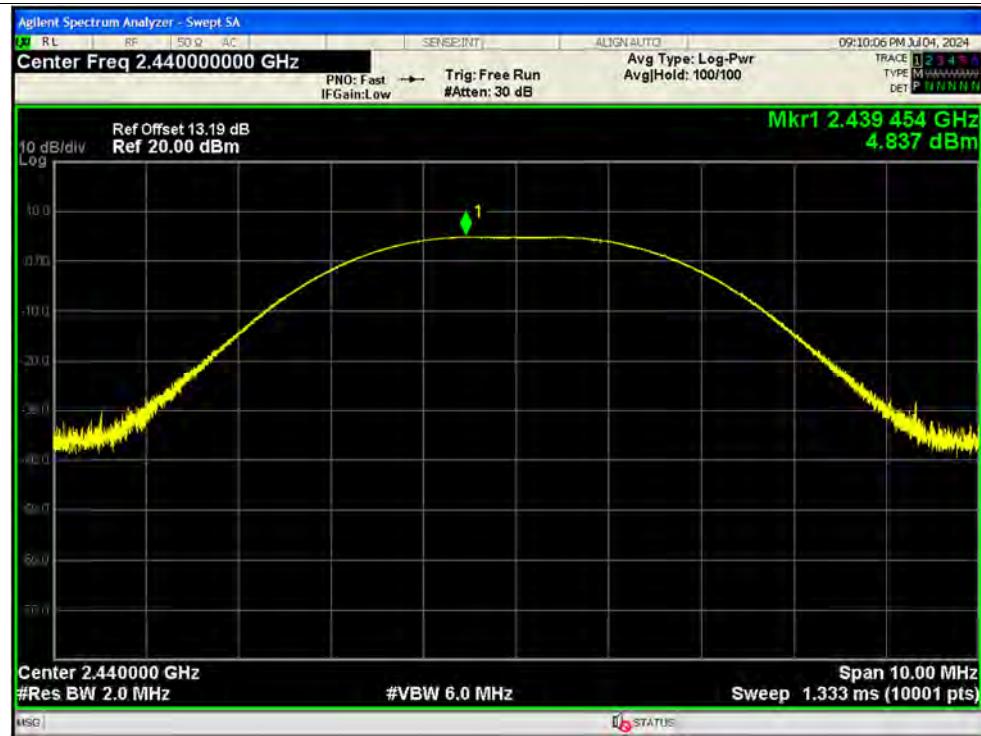
Peak Power NVNT BLE 1M 2480MHz Ant1



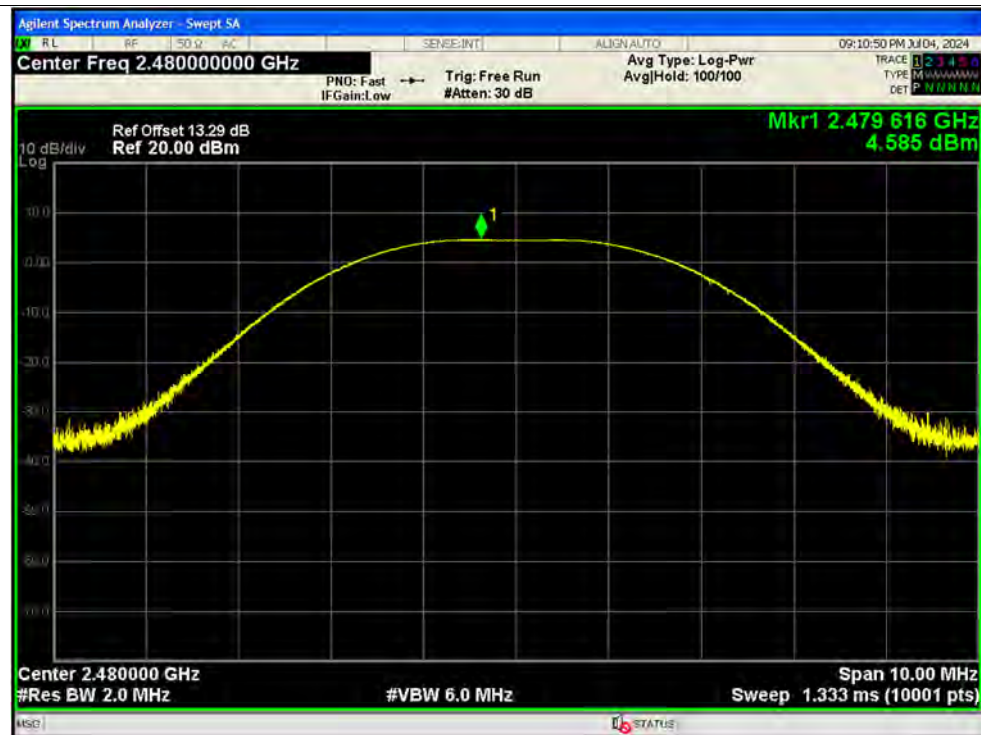
Peak Power NVNT BLE 2M 2402MHz Ant1



Peak Power NVNT BLE 2M 2440MHz Ant1



Peak Power NVNT BLE 2M 2480MHz Ant1



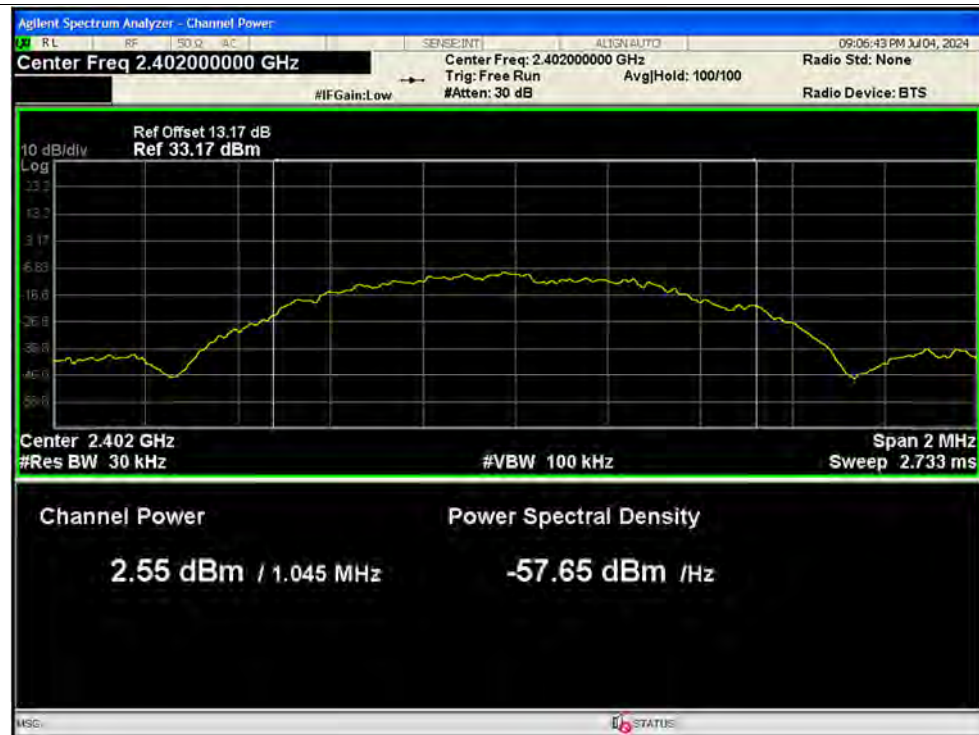
**A.3. Maximum Average Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	2.55	1.97	4.52	0.00283	30	Pass
NVNT	BLE 1M	2440	Ant1	2.64	2.01	4.65	0.00292	30	Pass
NVNT	BLE 1M	2480	Ant1	2.44	2.01	4.45	0.00279	30	Pass
NVNT	BLE 2M	2402	Ant1	-0.13	4.77	4.64	0.00291	30	Pass
NVNT	BLE 2M	2440	Ant1	-0.24	4.77	4.53	0.00284	30	Pass
NVNT	BLE 2M	2480	Ant1	-0.41	4.7	4.29	0.00269	30	Pass



Test Graphs

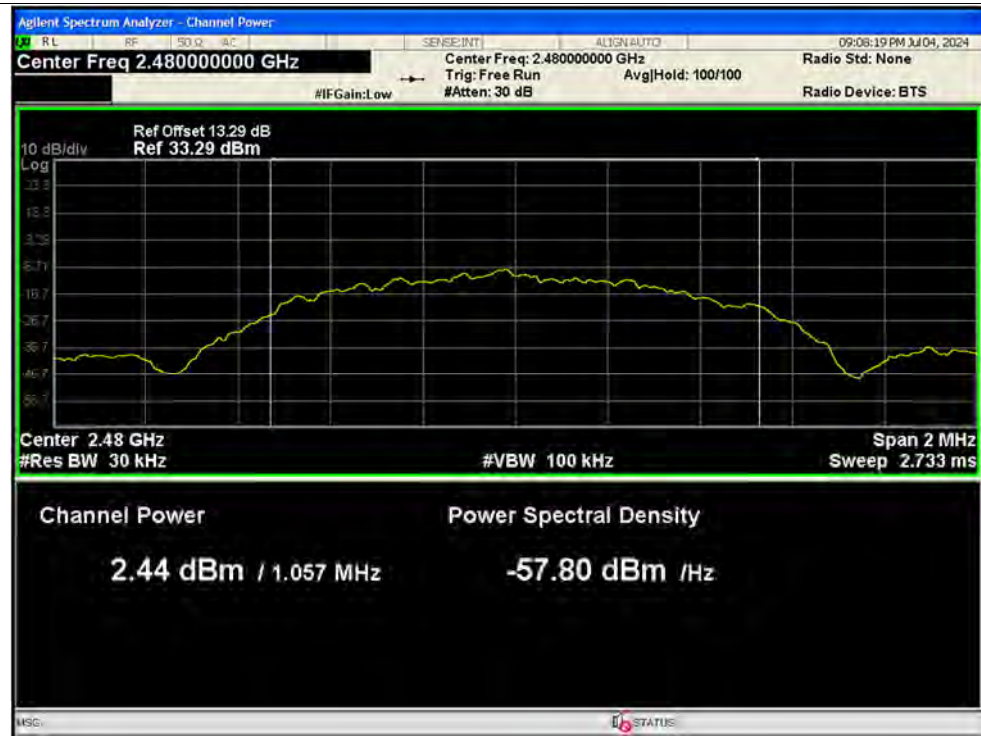
Average Power NVNT BLE 1M 2402MHz Ant1



Average Power NVNT BLE 1M 2440MHz Ant1



Average Power NVNT BLE 1M 2480MHz Ant1



Average Power NVNT BLE 2M 2402MHz Ant1



Average Power NVNT BLE 2M 2440MHz Ant1



Average Power NVNT BLE 2M 2480MHz Ant1

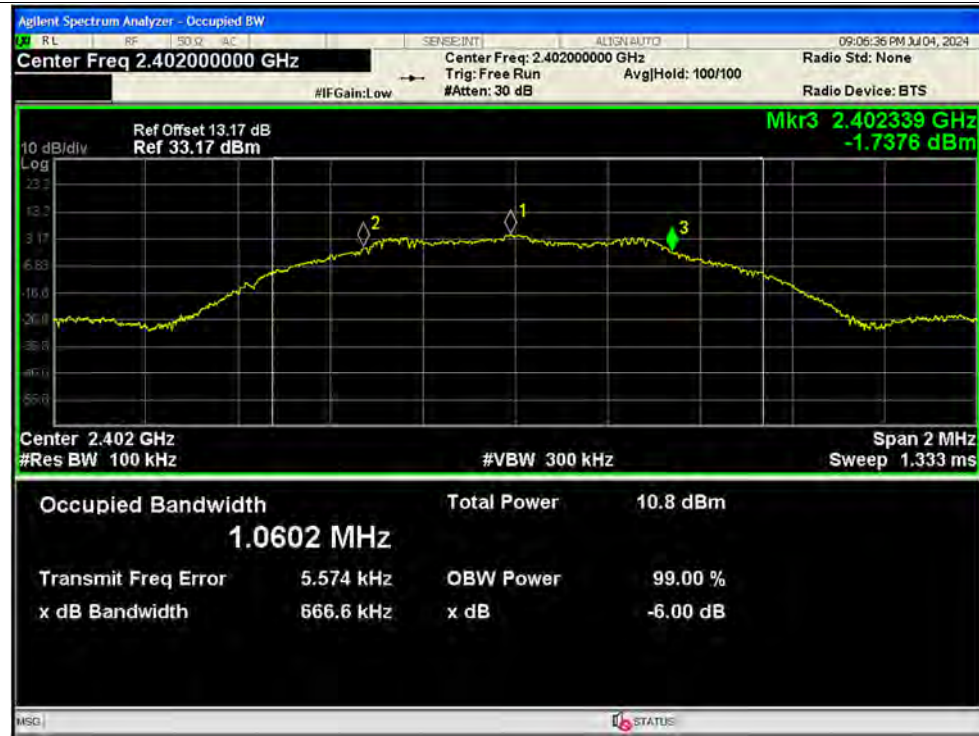


**A.4. 6 dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.667	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.681	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.678	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.085	0.5	Pass
NVNT	BLE 2M	2440	Ant1	1.117	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.118	0.5	Pass

Test Graphs

-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1





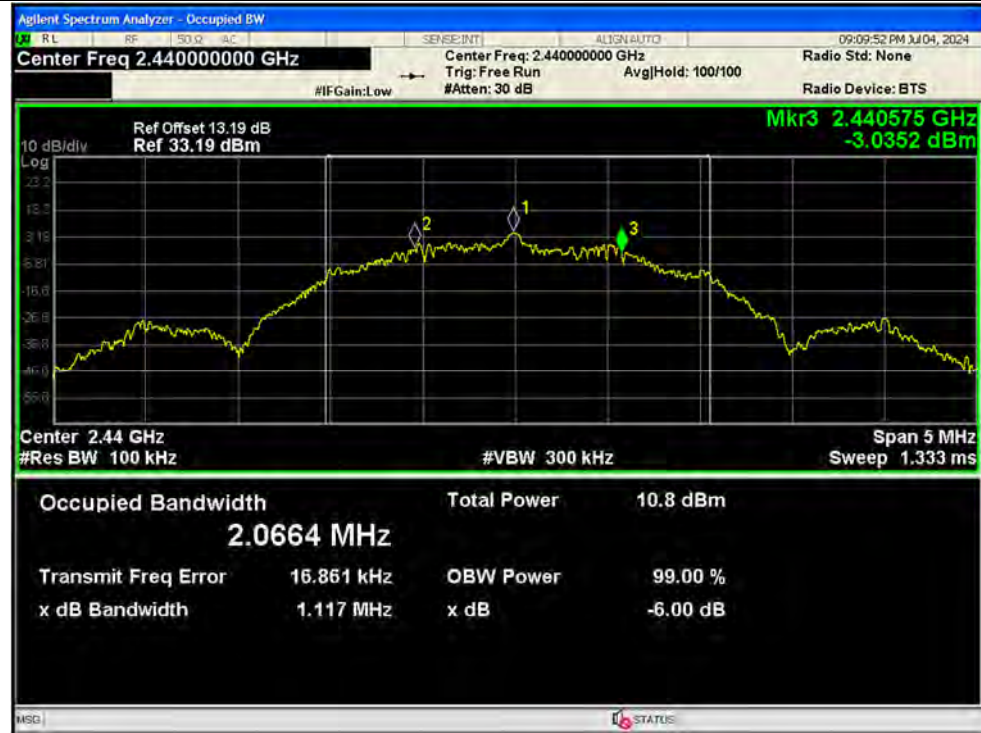
-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2440MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2480MHz Ant1





REPORT No.: SZ24060274W01

A.5. Conducted Spurious Emissions

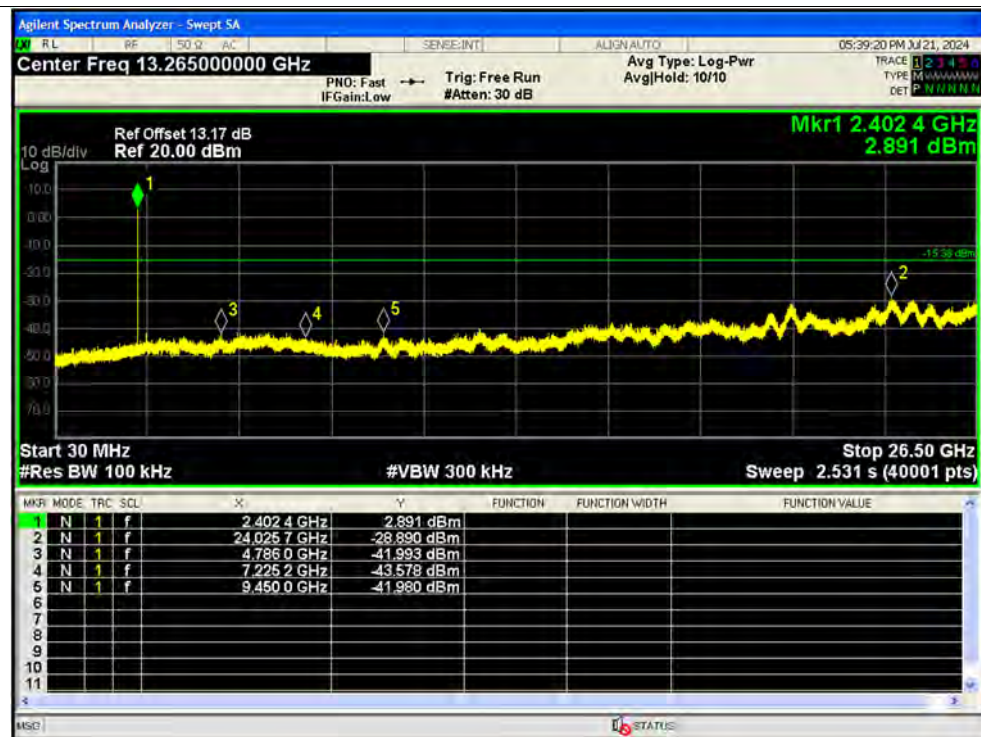
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-33.51	-20	Pass
NVNT	BLE 1M	2440	Ant1	-33.62	-20	Pass
NVNT	BLE 1M	2480	Ant1	-32.7	-20	Pass
NVNT	BLE 2M	2402	Ant1	-33.77	-20	Pass
NVNT	BLE 2M	2440	Ant1	-32.9	-20	Pass
NVNT	BLE 2M	2480	Ant1	-32.76	-20	Pass

Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



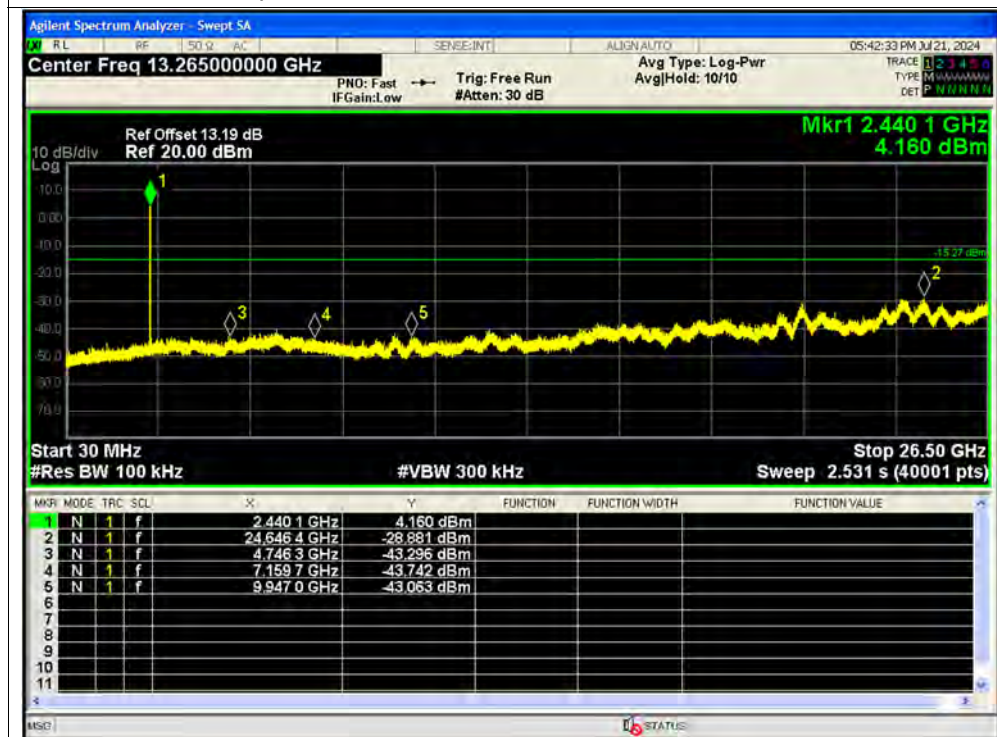
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



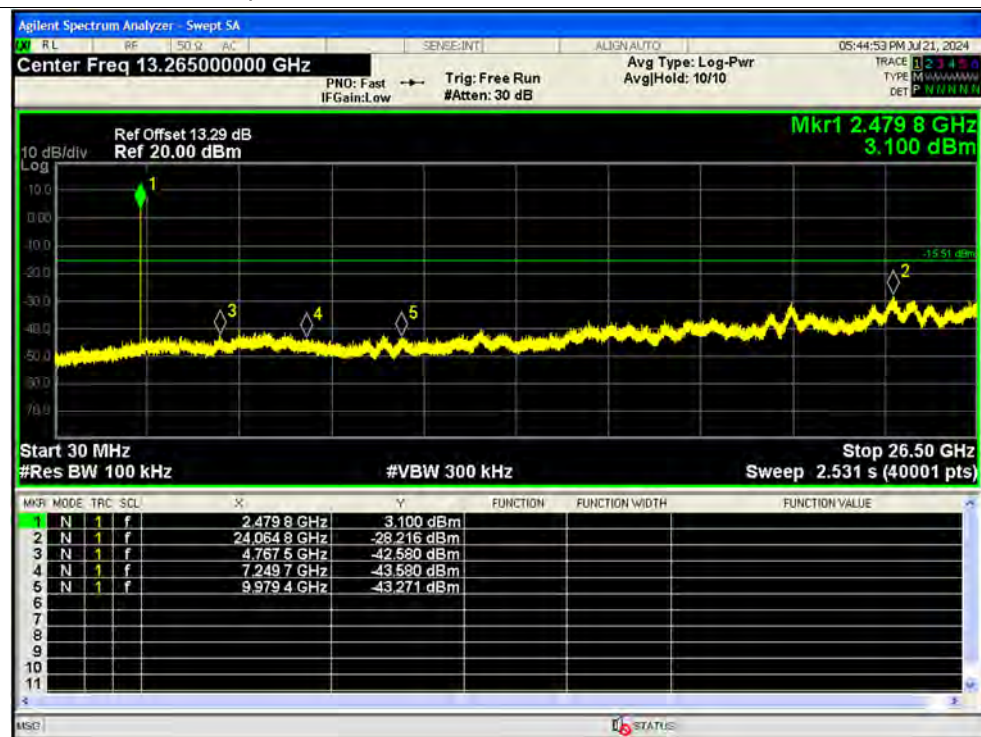
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



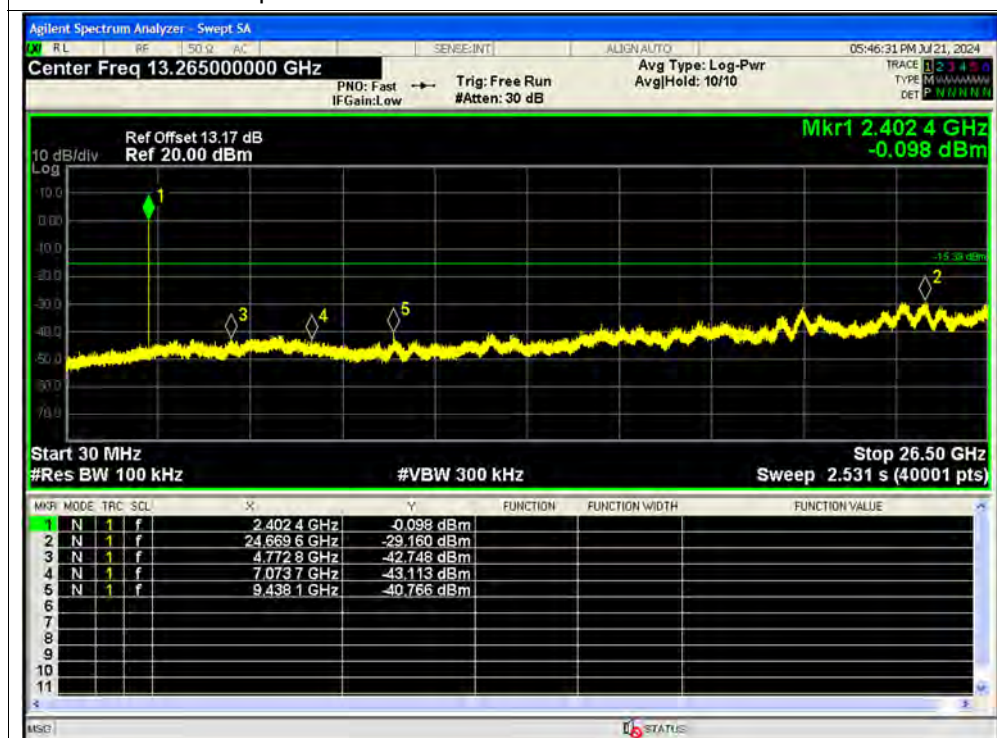
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



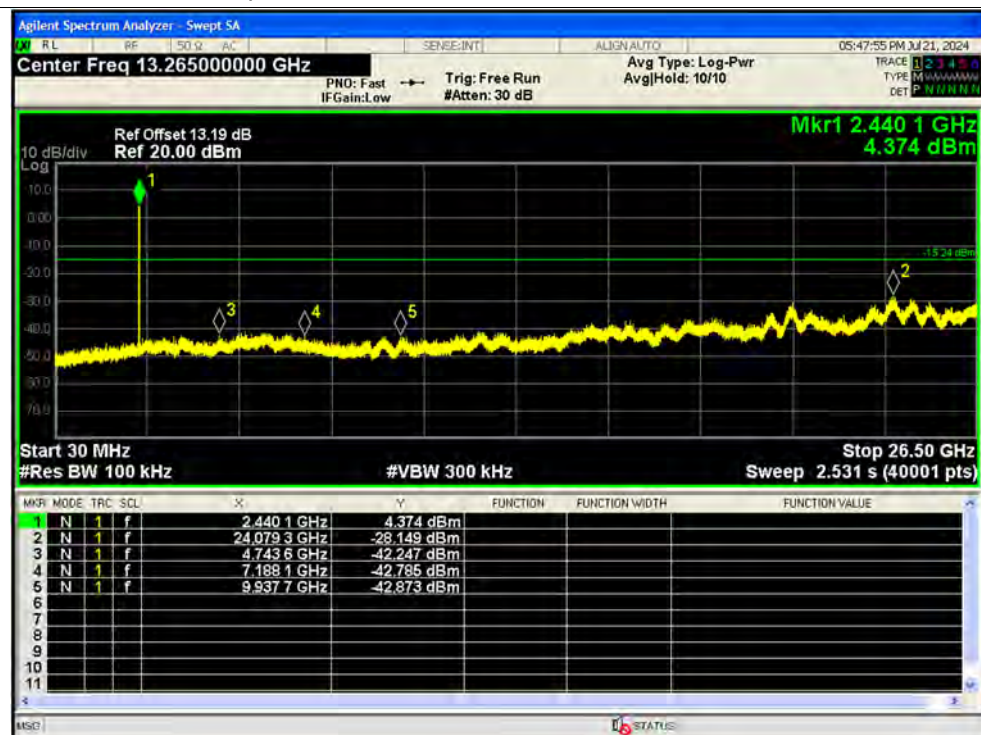
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Ref



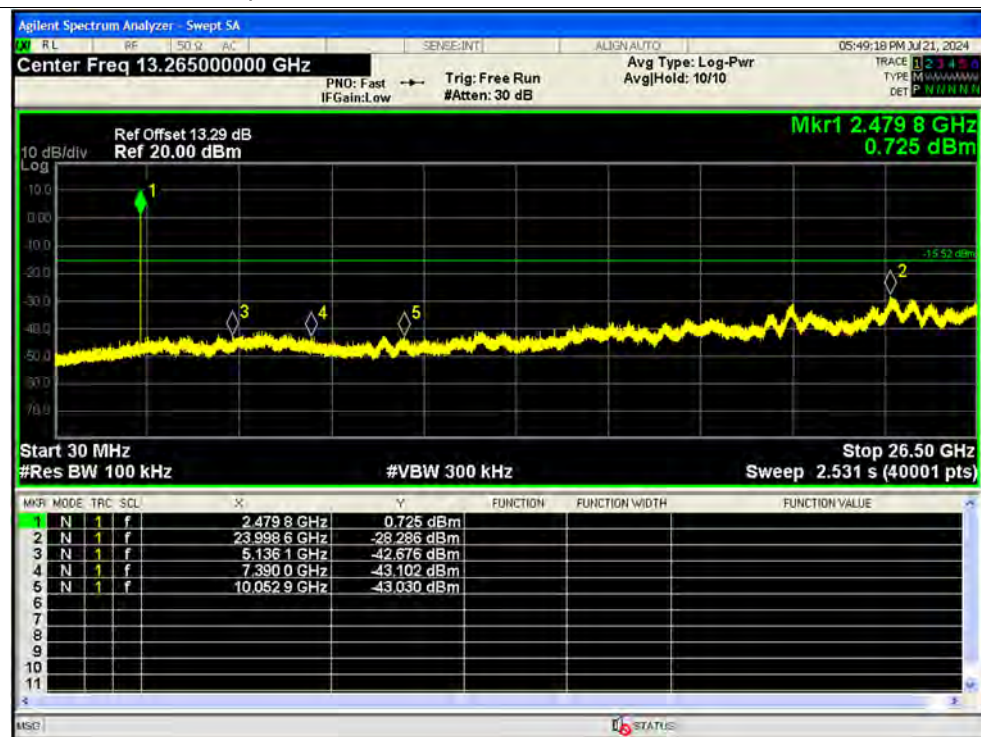
Tx. Spurious NVNT BLE 2M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission





REPORT No.: SZ24060274W01

A.6. Band Edge

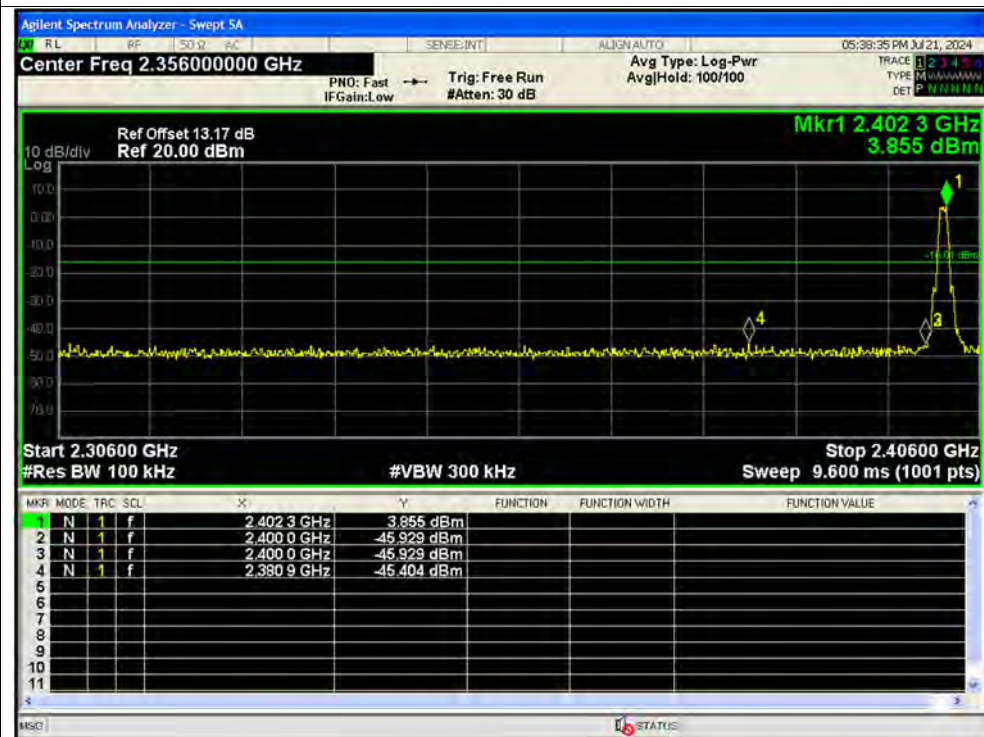
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-49.39	-20	Pass
NVNT	BLE 1M	2480	Ant1	-50.25	-20	Pass
NVNT	BLE 2M	2402	Ant1	-33.25	-20	Pass
NVNT	BLE 2M	2480	Ant1	-49.21	-20	Pass

Test Graphs

Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



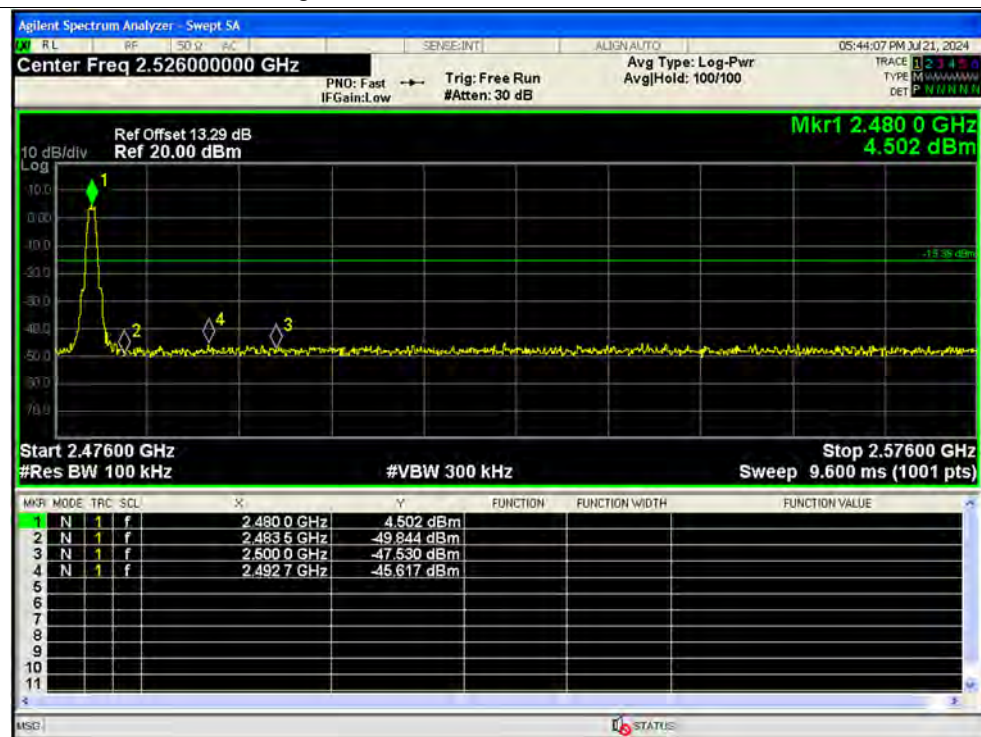
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



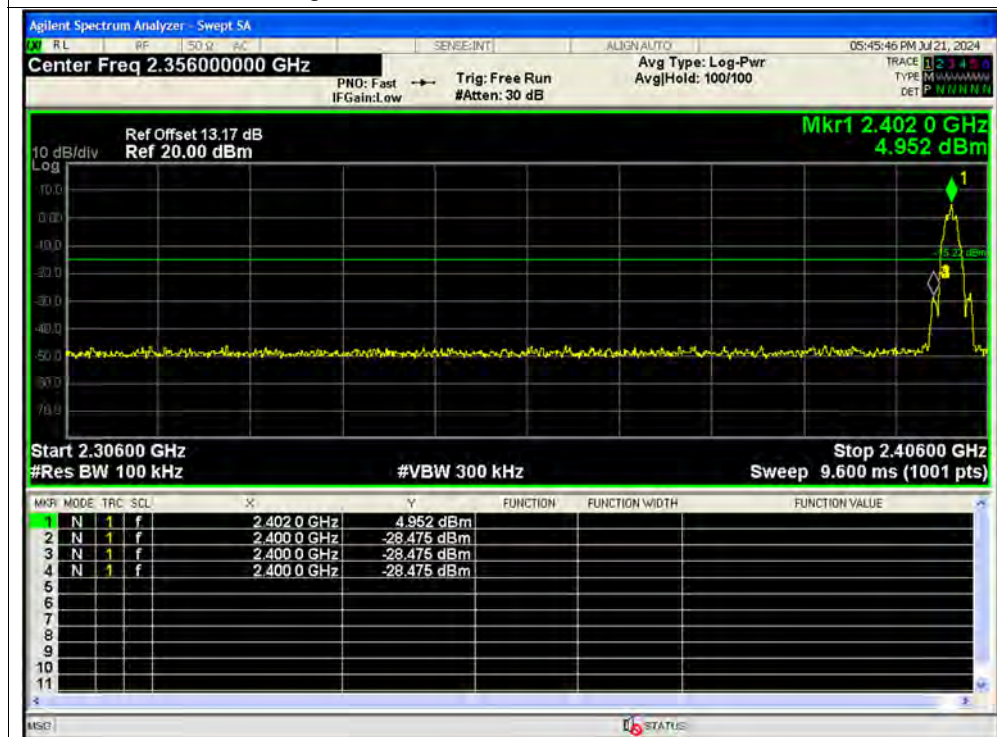
Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



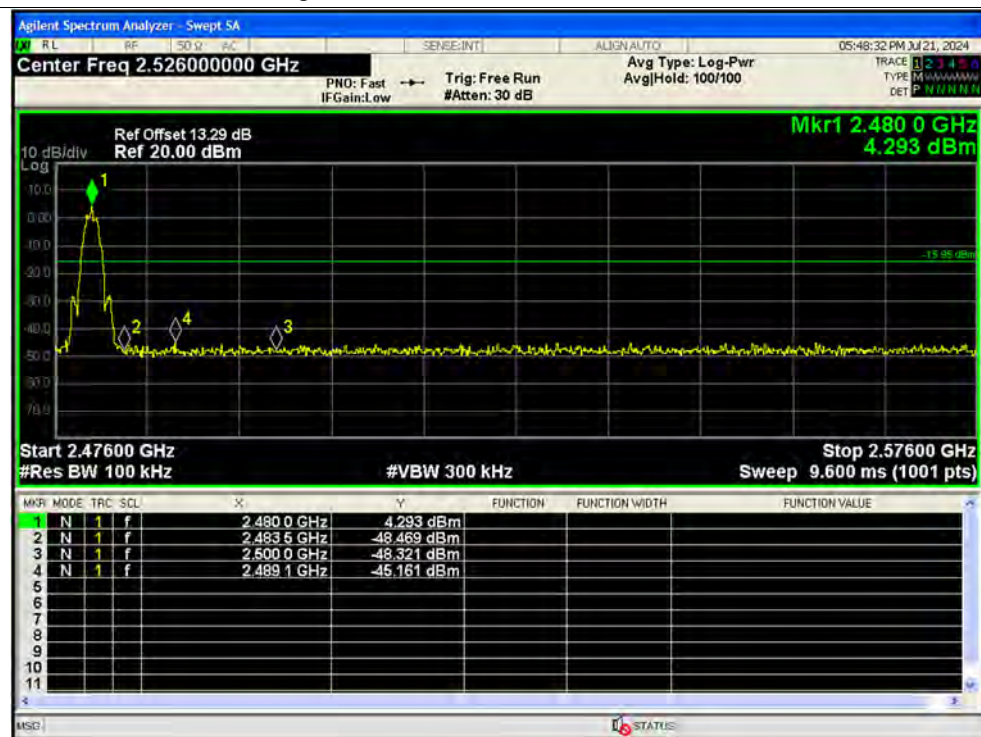
Band Edge NVNT BLE 2M 2402MHz Ant1 Emission



Band Edge NVNT BLE 2M 2480MHz Ant1 Ref



Band Edge NVNT BLE 2M 2480MHz Ant1 Emission

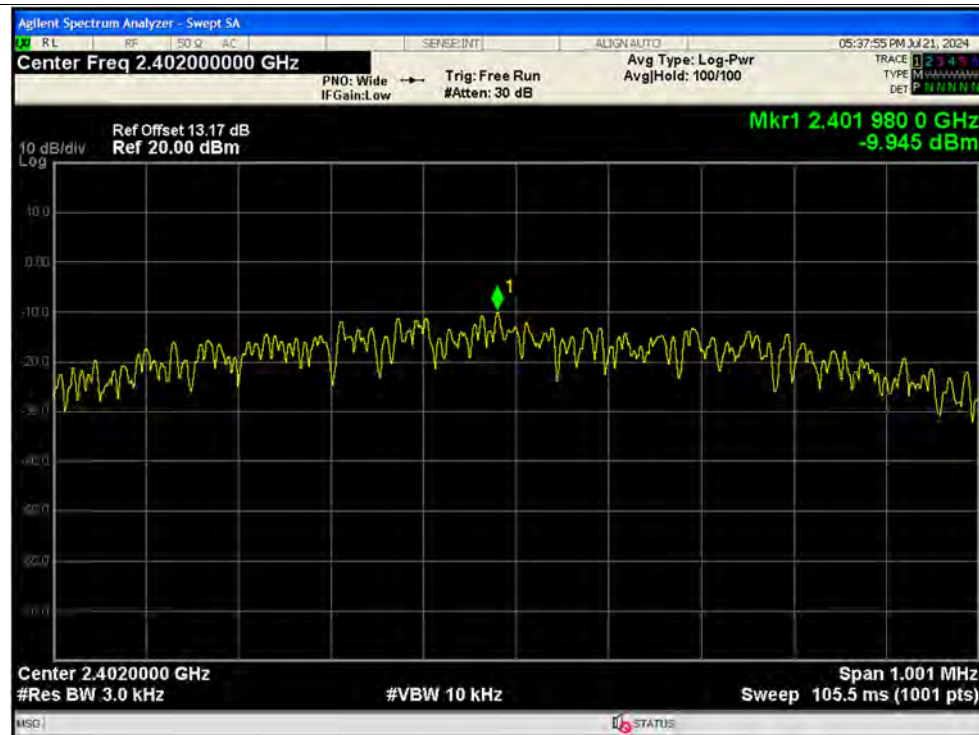


**A.7. Power Spectral Density**

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-9.95	0	-9.95	8	Pass
NVNT	BLE 1M	2440	Ant1	-10.13	0	-10.13	8	Pass
NVNT	BLE 1M	2480	Ant1	-10.64	0	-10.64	8	Pass
NVNT	BLE 2M	2402	Ant1	-12.46	0	-12.46	8	Pass
NVNT	BLE 2M	2440	Ant1	-12.67	0	-12.67	8	Pass
NVNT	BLE 2M	2480	Ant1	-13.04	0	-13.04	8	Pass

Test Graphs

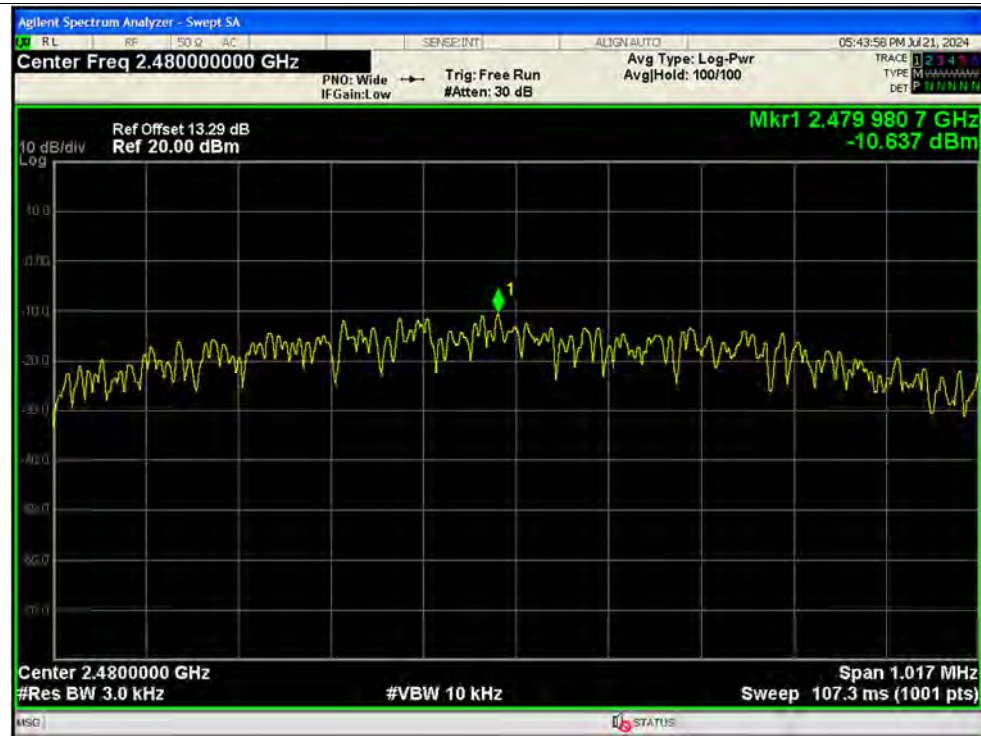
PSD NVNT BLE 1M 2402MHz Ant1



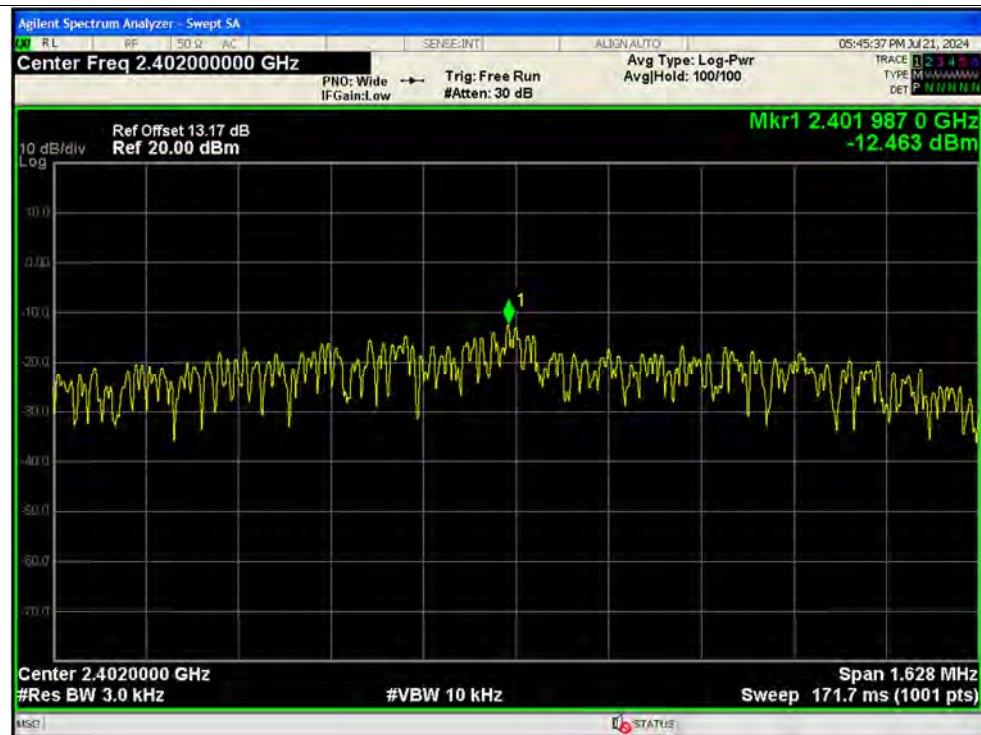
PSD NVNT BLE 1M 2440MHz Ant1



PSD NVNT BLE 1M 2480MHz Ant1

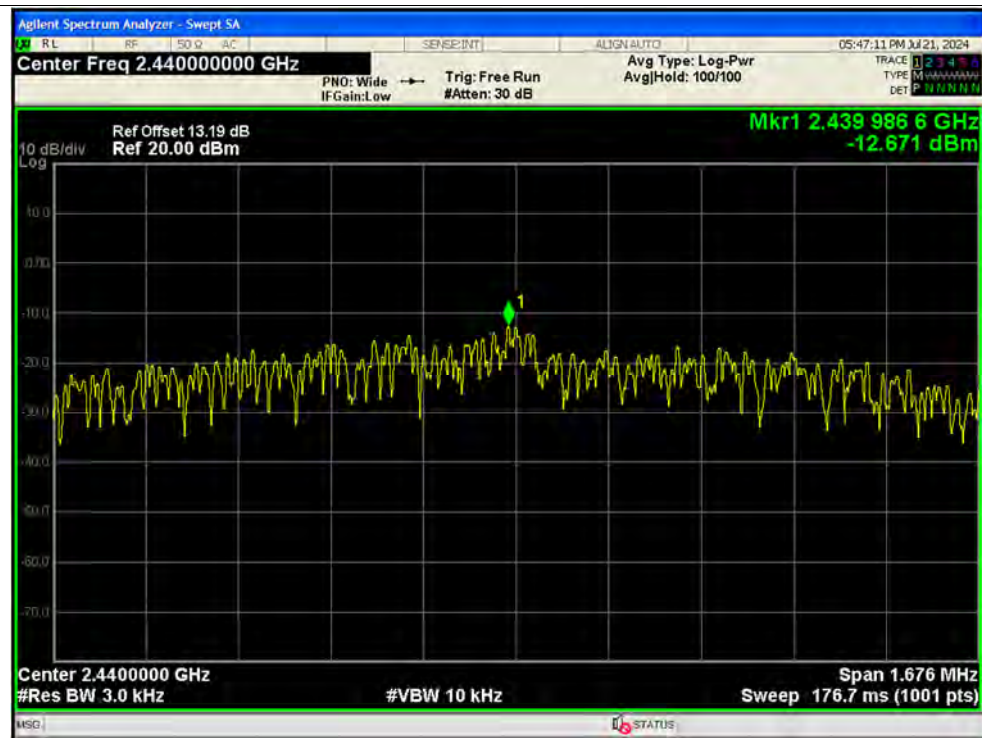


PSD NVNT BLE 2M 2402MHz Ant1

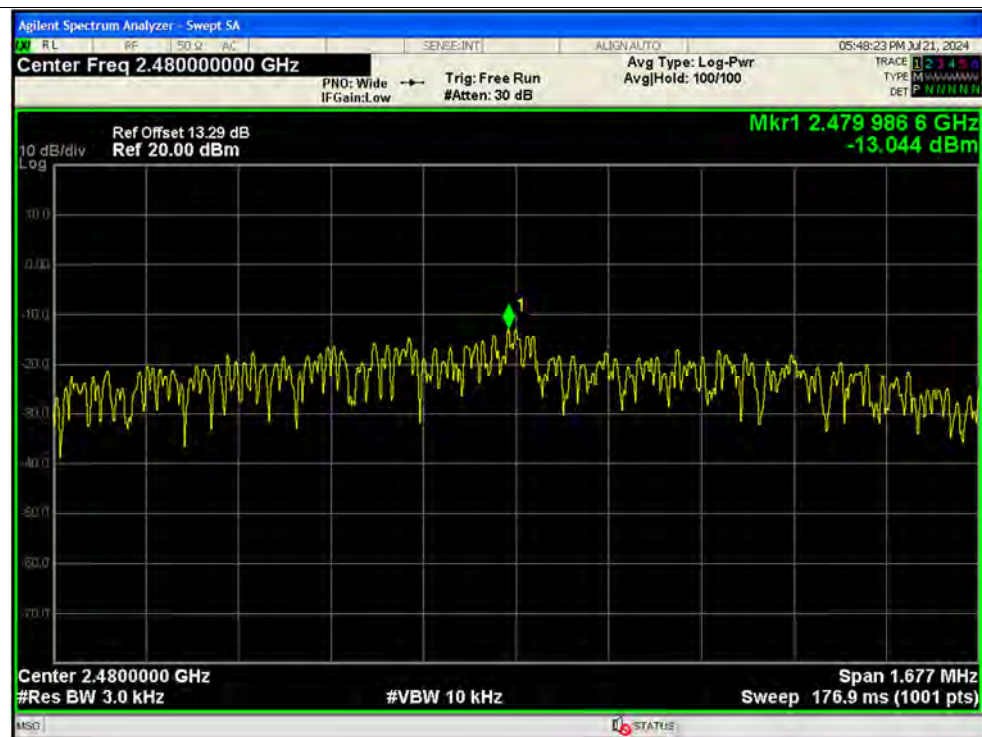




PSD NVNT BLE 2M 2440MHz Ant1



PSD NVNT BLE 2M 2480MHz Ant1





A.8. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

A. Test Setup:

Test Mode: EUT + PC + PC Adapter + BT TX

Test voltage: AC 120V/60Hz

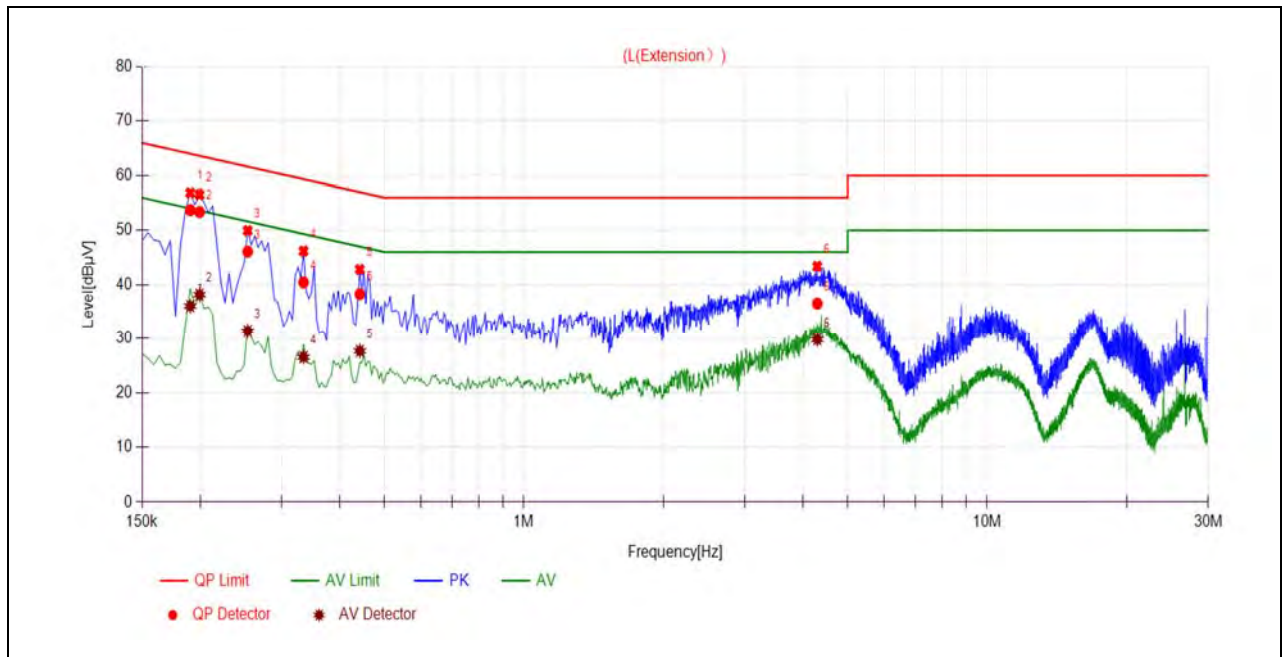
The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V]} = U_R + L_{\text{Cable loss}} \text{ [dB]} + A_{\text{Factor}}$$

U_R : Receiver Reading

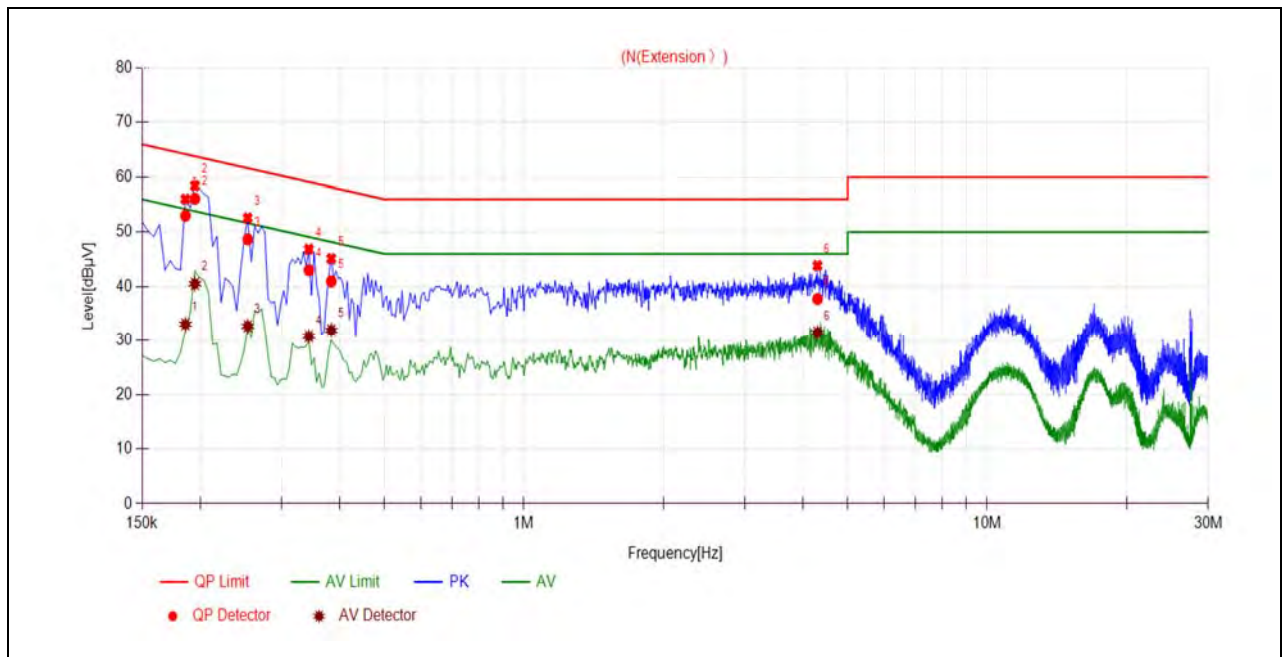
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1905	53.73	36.05	64.02	54.02	Line	PASS
2	0.1995	53.38	38.17	63.63	53.63		PASS
3	0.2535	46.10	31.40	61.64	51.64		PASS
4	0.3345	40.43	26.53	59.34	49.34		PASS
5	0.4425	38.27	27.67	57.01	47.01		PASS
6	4.2992	36.53	29.79	56.00	46.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1860	53.01	33.05	64.21	54.21	Neutral	PASS
2	0.1950	56.11	40.52	63.82	53.82		PASS
3	0.2535	48.69	32.70	61.64	51.64		PASS
4	0.3435	43.02	30.77	59.12	49.12		PASS
5	0.3840	40.97	31.92	58.19	48.19		PASS
6	4.3037	37.73	31.50	56.00	46.00		PASS



A.9. Restricted Frequency Bands

The lowest and highest channels are tested to verify the Restricted Frequency Bands.

The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V/m]} = U_R + A_T + A_{\text{Factor}} \text{ [dB]}; A_T = L_{\text{Cable loss}} \text{ [dB]} - G_{\text{preamp}} \text{ [dB]}$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

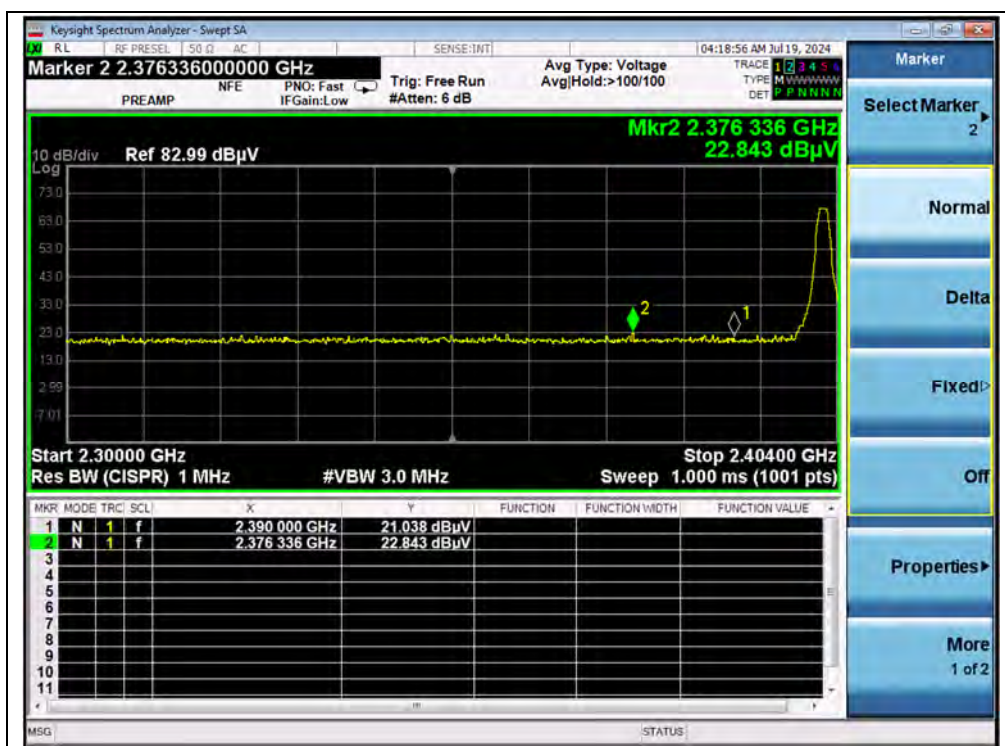
G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

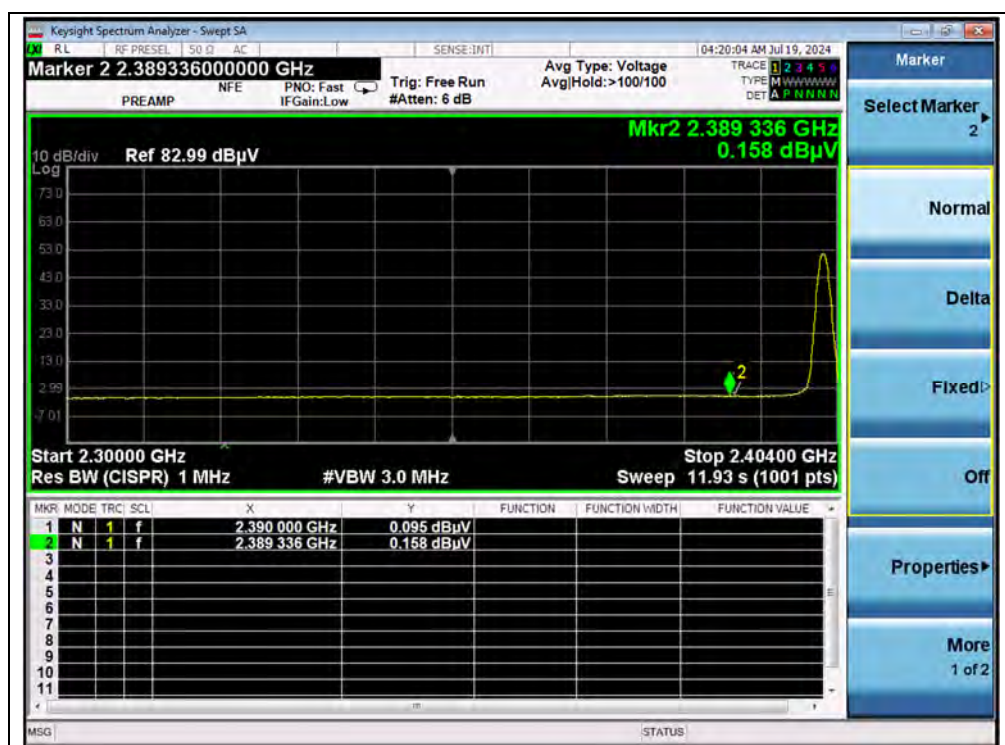
Note: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

1Mbps

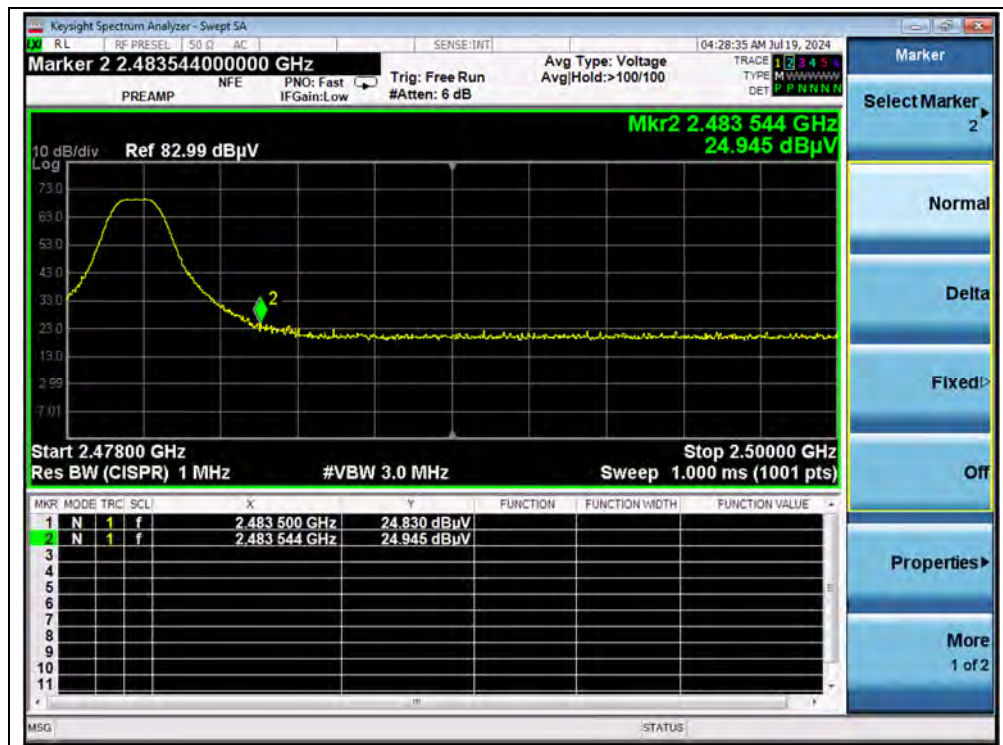
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
0	2376.34	PK	22.84	5.78	27.50	56.12	74	PASS
0	2389.34	AV	0.16	5.78	27.50	33.44	54	PASS
39	2483.54	PK	24.95	5.78	27.50	58.23	74	PASS
39	2483.50	AV	0.52	5.78	27.50	33.80	54	PASS



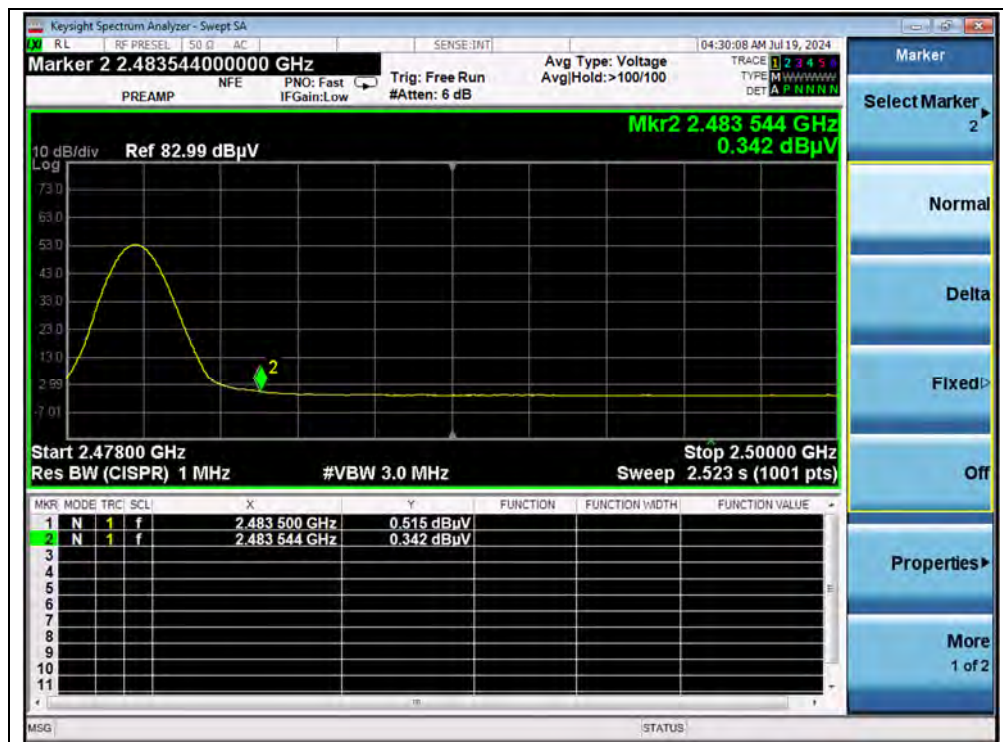
(PEAK, Channel 0)



(AVERAGE, Channel 0)



(PEAK, Channel 39)

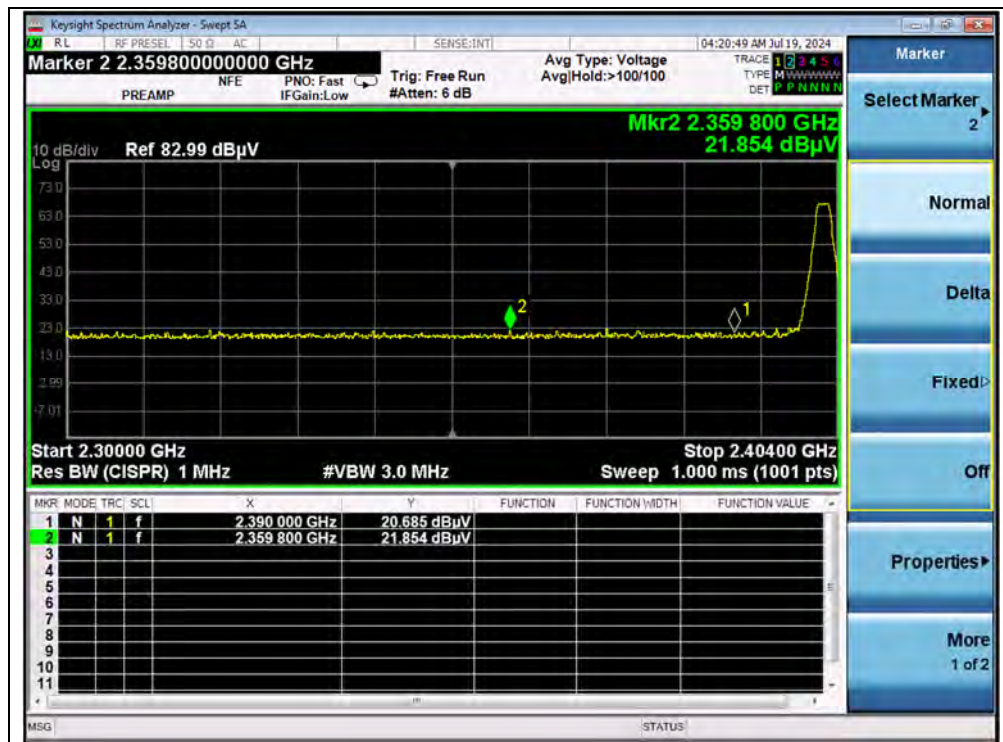


(AVERAGE, Channel 39)

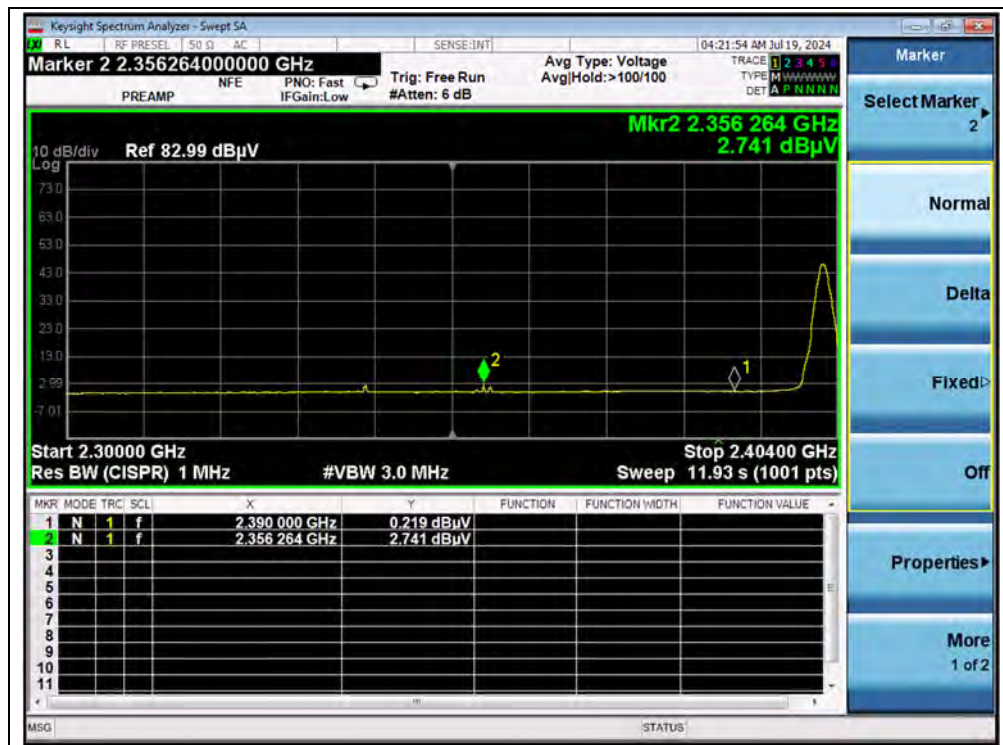


2Mbps

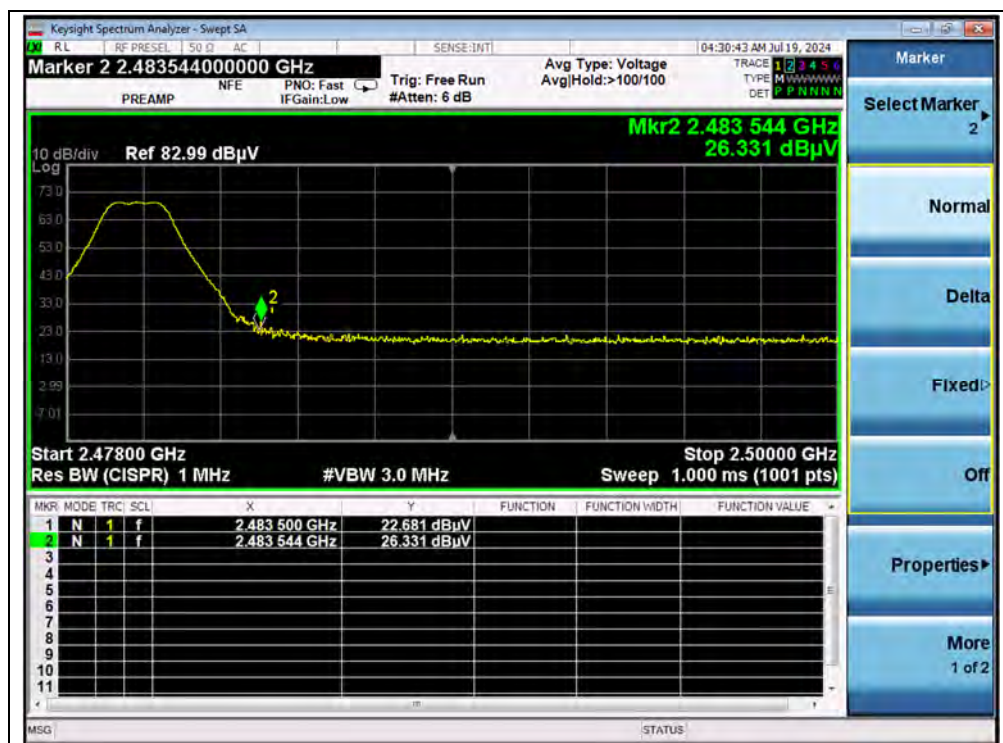
Channel	Frequency (MHz)	Detector	Receiver Reading U_R (dB μ V)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
		PK/ AV						
0	2359.80	PK	21.85	5.78	27.50	55.13	74	PASS
0	2356.26	AV	2.74	5.78	27.50	36.02	54	PASS
39	2483.54	PK	26.33	5.78	27.50	59.61	74	PASS
39	2483.50	AV	1.11	5.78	27.50	34.39	54	PASS



(PEAK, Channel 0)



(AVERAGE, Channel 0)



(PEAK, Channel 39)



(AVERAGE, Channel 39)



A.10. Radiated Emission

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V/m}] = U_R + A_T + A_{\text{Factor}} [\text{dB}]; A_T = L_{\text{Cable loss}} [\text{dB}] - G_{\text{preamp}} [\text{dB}]$$

A_T : Total correction Factor except Antenna

U_R : Receiver Reading

G_{preamp} : Preamplifier Gain

A_{Factor} : Antenna Factor at 3m

During the test, the total correction Factor A_T and A_{Factor} were built in test software.

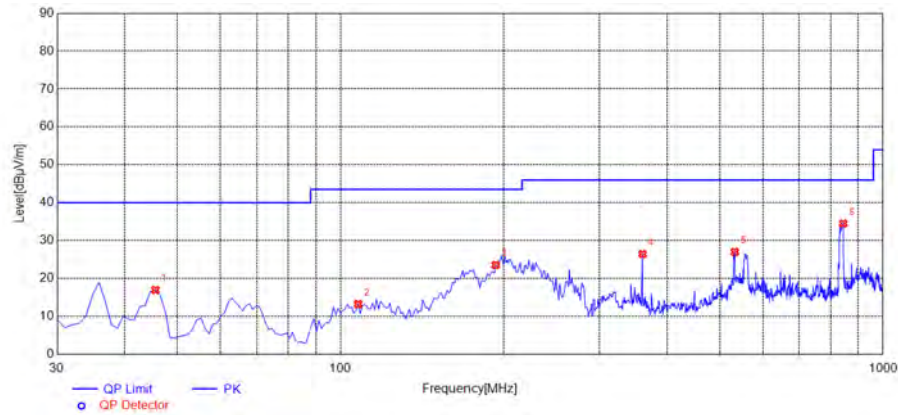
Note1: All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

Note3: For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

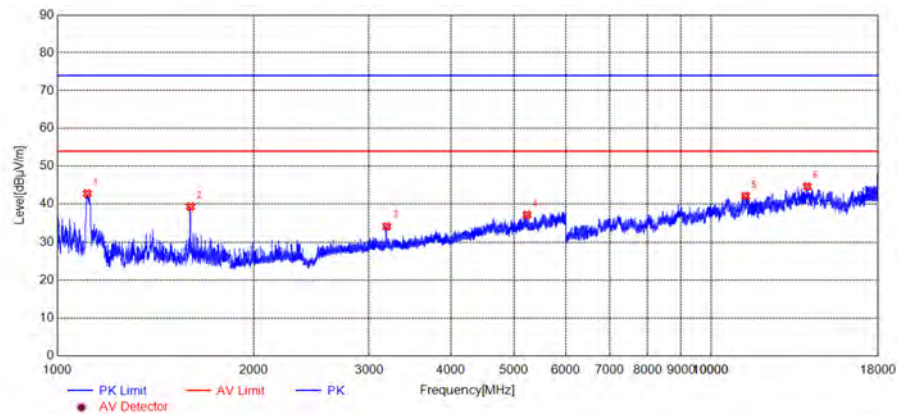
1Mbps

Plot for Channel 0



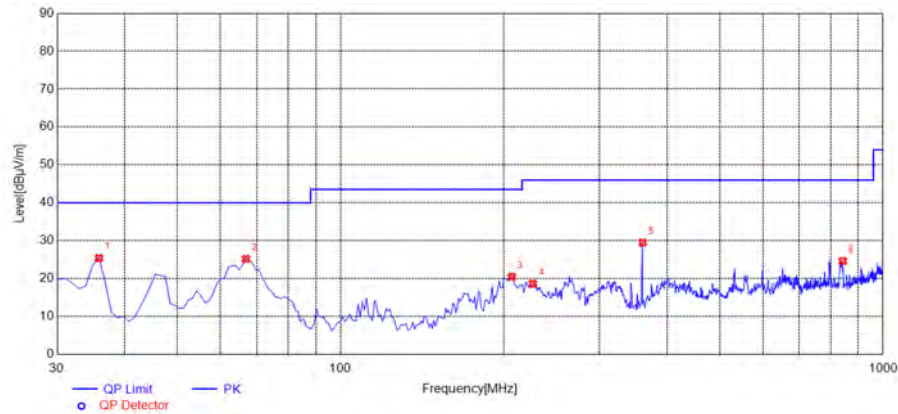
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
45.5355	16.98	-28.95	40.00	Horizontal	PASS
107.6777	13.26	-31.22	43.50	Horizontal	PASS
193.1231	23.59	-32.15	43.50	Horizontal	PASS
360.1301	26.43	-27.24	46.00	Horizontal	PASS
532.9630	27.04	-23.62	46.00	Horizontal	PASS
844.6446	34.52	-19.88	46.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



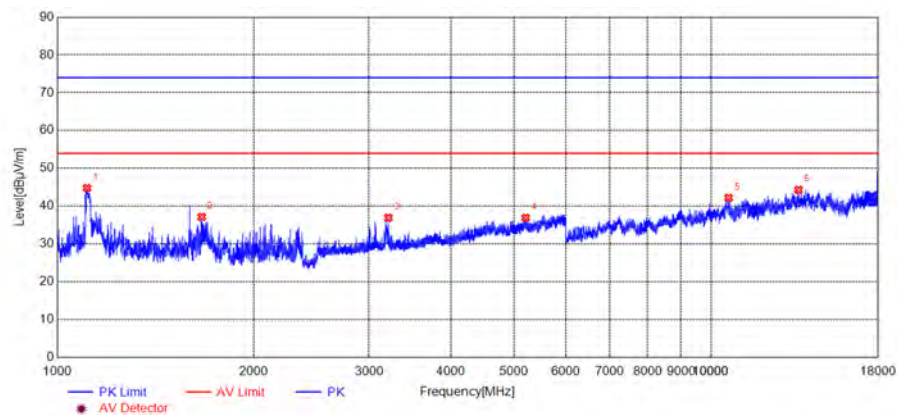
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
1112.0112	42.78	-24.20	74.00	Horizontal	PASS
1599.0599	39.32	-23.60	74.00	Horizontal	PASS
3192.7193	34.22	-17.36	74.00	Horizontal	PASS
5229.4229	37.17	-10.09	74.00	Horizontal	PASS
11296.1296	42.14	3.02	74.00	Horizontal	PASS
14032.4032	44.66	6.52	74.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 18GHz)



Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
35.8258	25.42	-38.14	40.00	Vertical	PASS
66.8969	25.19	-31.92	40.00	Vertical	PASS
206.7167	20.48	-31.84	43.50	Vertical	PASS
226.1361	18.67	-31.23	46.00	Vertical	PASS
360.1301	29.52	-27.24	46.00	Vertical	PASS
842.7027	24.63	-19.87	46.00	Vertical	PASS

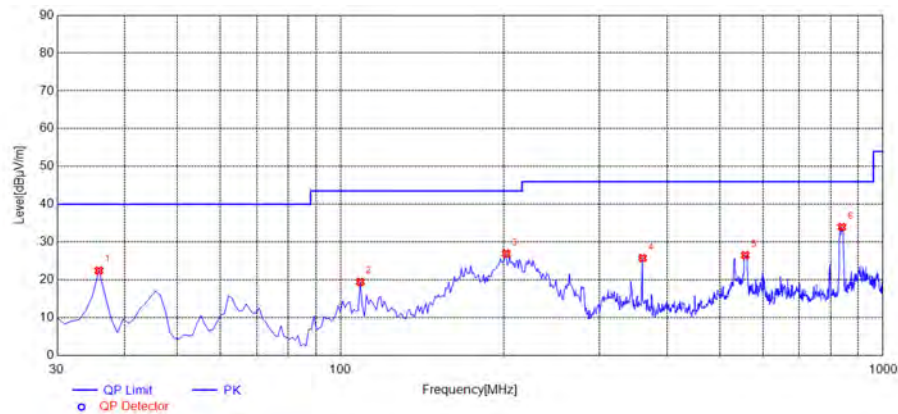
(Antenna Vertical, 30MHz to 1GHz)



Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
1111.0111	44.81	-24.22	74.00	Vertical	PASS
1663.5664	37.17	-23.64	74.00	Vertical	PASS
3210.2210	36.98	-17.25	74.00	Vertical	PASS
5206.9207	36.93	-9.91	74.00	Vertical	PASS
10637.2637	42.20	2.68	74.00	Vertical	PASS
13600.3600	44.35	7.64	74.00	Vertical	PASS

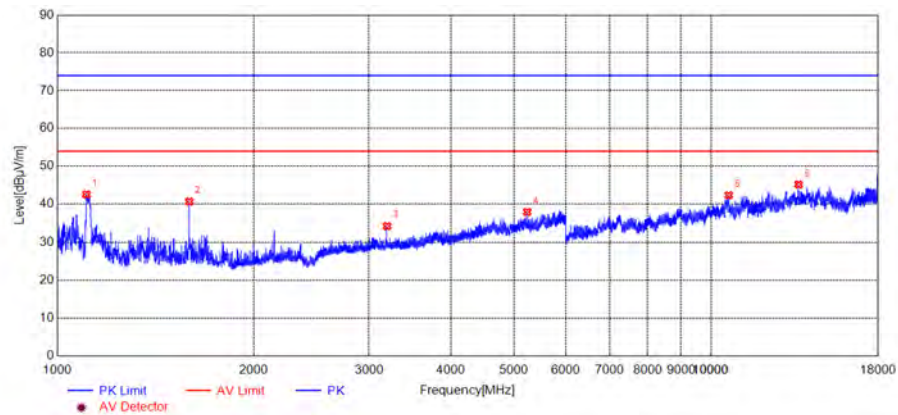
(Antenna Vertical, 1GHz to 18GHz)

Plot for Channel 19



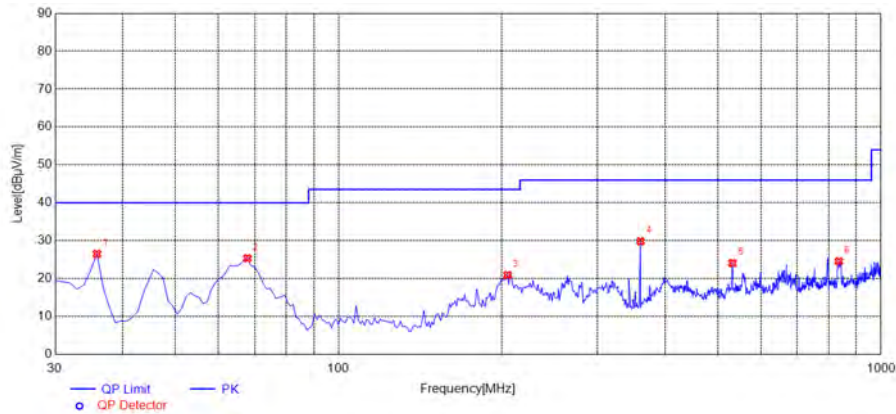
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
35.8258	22.49	-38.14	40.00	Horizontal	PASS
108.6486	19.47	-31.41	43.50	Horizontal	PASS
201.8619	26.96	-31.67	43.50	Horizontal	PASS
360.1301	25.78	-27.24	46.00	Horizontal	PASS
557.2372	26.51	-23.29	46.00	Horizontal	PASS
839.7898	33.99	-19.86	46.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



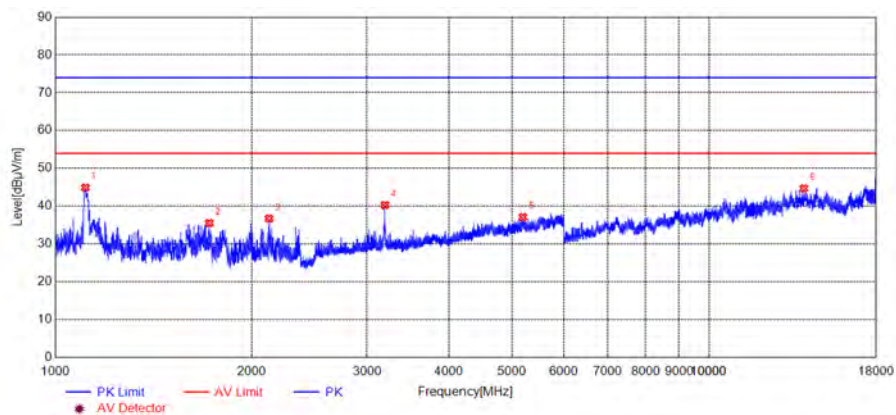
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
1109.0109	42.57	-24.25	74.00	Horizontal	PASS
1593.0593	40.69	-23.65	74.00	Horizontal	PASS
3196.2196	34.35	-17.32	74.00	Horizontal	PASS
5234.9235	37.94	-10.13	74.00	Horizontal	PASS
10639.6640	42.37	2.74	74.00	Horizontal	PASS
13607.5608	45.21	7.23	74.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 18GHz)



Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
35.8258	26.56	-38.14	40.00	Vertical	PASS
67.8679	25.37	-32.35	40.00	Vertical	PASS
204.7748	20.96	-31.71	43.50	Vertical	PASS
360.1301	29.84	-27.24	46.00	Vertical	PASS
531.9920	24.10	-23.63	46.00	Vertical	PASS
835.9059	24.57	-19.92	46.00	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)

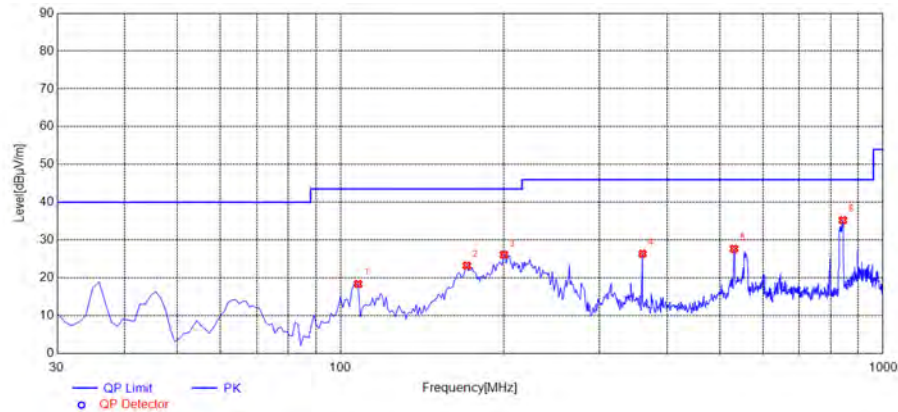


Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
1112.5113	44.93	-24.19	74.00	Vertical	PASS
1720.5721	35.54	-23.62	74.00	Vertical	PASS
2124.1124	36.75	-21.62	74.00	Vertical	PASS
3195.2195	40.29	-17.33	74.00	Vertical	PASS
5189.9190	37.11	-10.07	74.00	Vertical	PASS
13956.7957	44.71	5.68	74.00	Vertical	PASS

(Antenna Vertical, 1GHz to 18GHz)

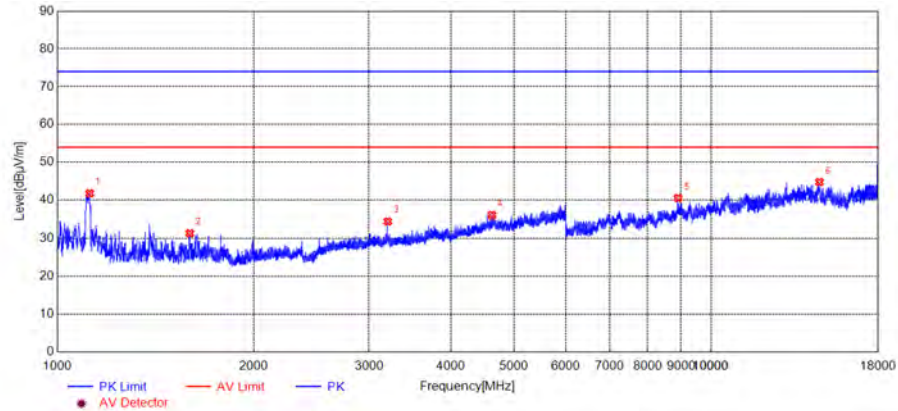


Plot for Channel 39



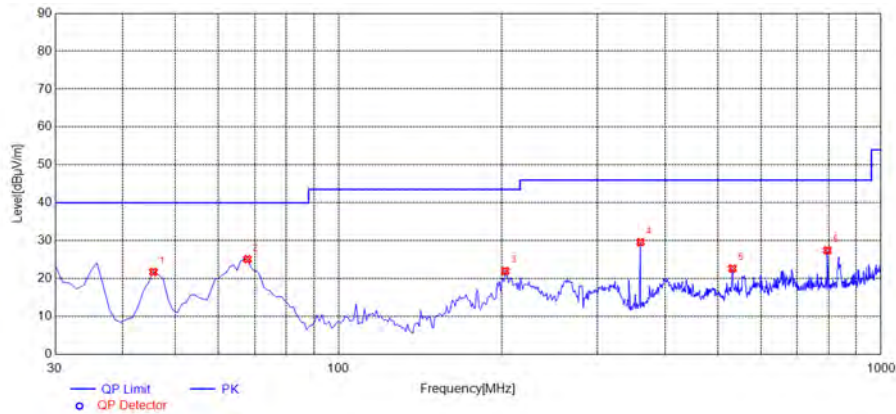
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
107.6777	18.39	-31.22	43.50	Horizontal	PASS
170.7908	23.26	-34.07	43.50	Horizontal	PASS
199.9199	26.15	-31.67	43.50	Horizontal	PASS
360.1301	26.40	-27.24	46.00	Horizontal	PASS
531.0210	27.71	-23.63	46.00	Horizontal	PASS
843.6737	35.27	-19.87	46.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



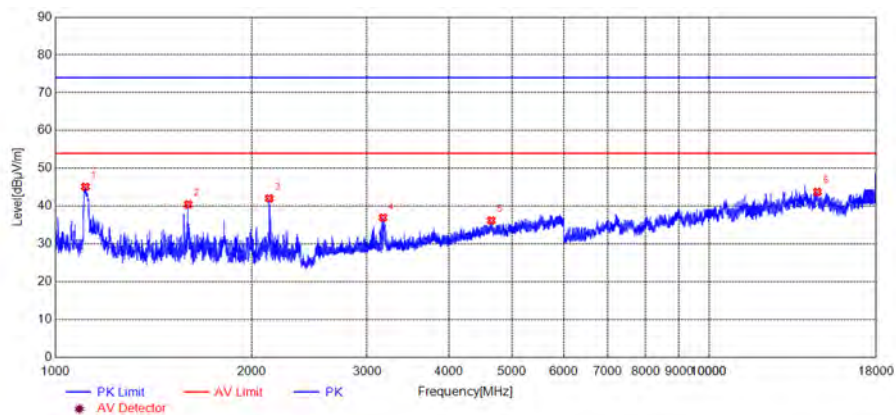
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
1121.5122	41.81	-24.04	74.00	Horizontal	PASS
1595.5596	31.40	-23.63	74.00	Horizontal	PASS
3203.2203	34.54	-17.27	74.00	Horizontal	PASS
4624.3624	36.09	-11.66	74.00	Horizontal	PASS
8901.8902	40.54	-0.62	74.00	Horizontal	PASS
14644.4644	44.79	7.70	74.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 18GHz)



Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
45.5355	21.75	-28.95	40.00	Vertical	PASS
67.8679	25.14	-32.35	40.00	Vertical	PASS
202.8328	22.01	-31.68	43.50	Vertical	PASS
360.1301	29.59	-27.24	46.00	Vertical	PASS
531.9920	22.67	-23.63	46.00	Vertical	PASS
796.0961	27.45	-20.21	46.00	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)

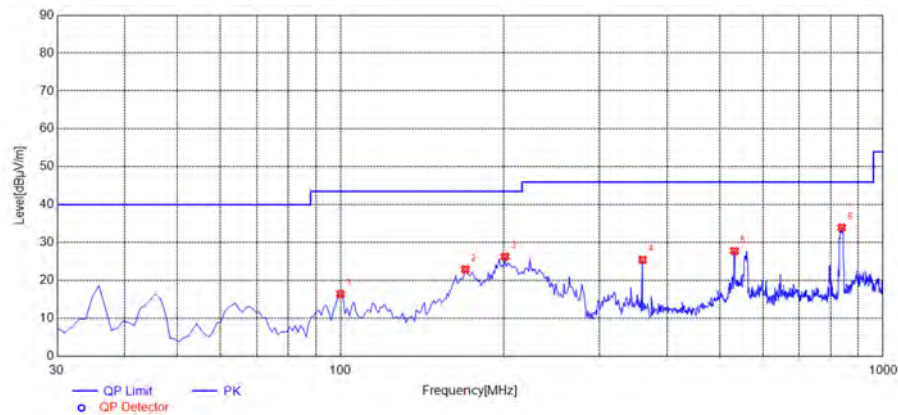


Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
1112.5113	45.16	-24.19	74.00	Vertical	PASS
1597.5598	40.46	-23.61	74.00	Vertical	PASS
2125.6126	42.06	-21.62	74.00	Vertical	PASS
3171.7172	36.98	-17.59	74.00	Vertical	PASS
4645.3645	36.24	-11.26	74.00	Vertical	PASS
14646.8647	43.82	7.76	74.00	Vertical	PASS

(Antenna Vertical, 1GHz to 18GHz)

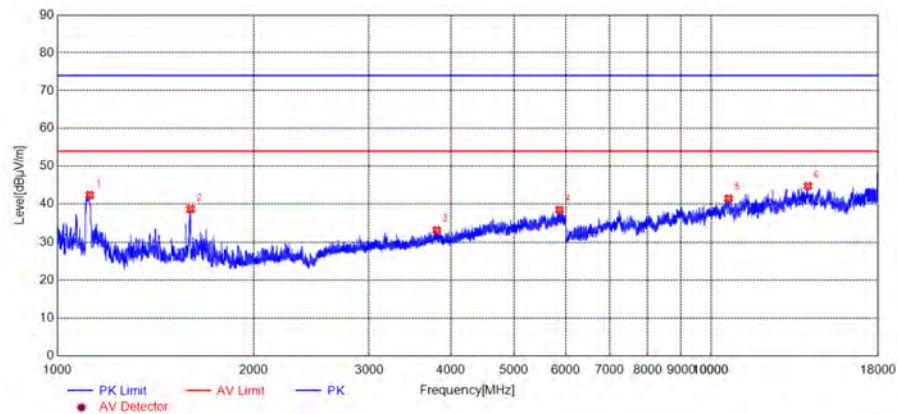
**2Mbps**

Plot for Channel 0



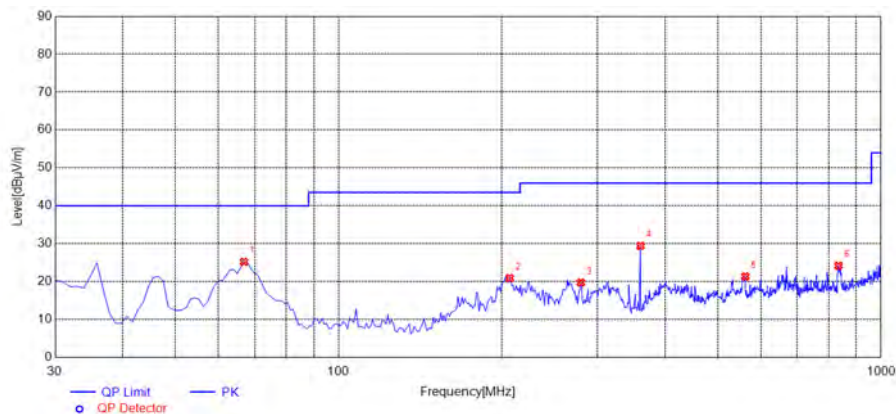
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
99.9099	16.42	-31.27	43.50	Horizontal	PASS
169.8198	22.93	-34.20	43.50	Horizontal	PASS
200.8909	26.31	-31.66	43.50	Horizontal	PASS
360.1301	25.46	-27.24	46.00	Horizontal	PASS
531.9920	27.78	-23.63	46.00	Horizontal	PASS
838.8188	33.95	-19.88	46.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



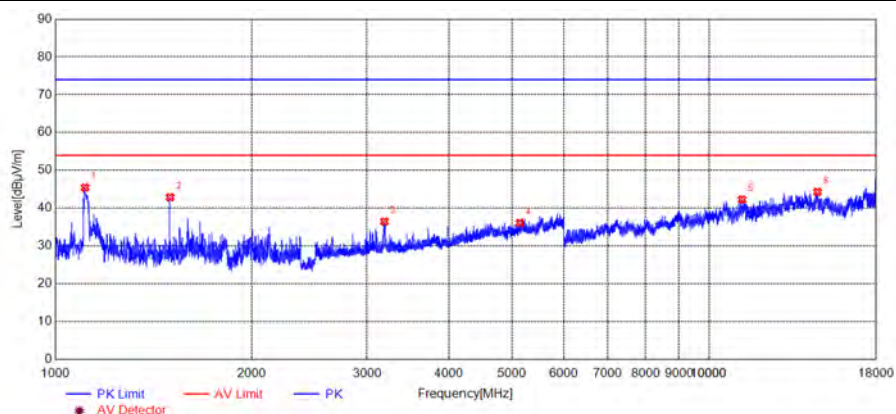
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
1122.0122	42.40	-24.03	74.00	Horizontal	PASS
1600.0600	38.70	-23.59	74.00	Horizontal	PASS
3805.7806	33.26	-14.96	74.00	Horizontal	PASS
5865.4865	38.46	-8.01	74.00	Horizontal	PASS
10631.2631	41.48	2.51	74.00	Horizontal	PASS
14066.0066	44.76	6.84	74.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 18GHz)



Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
66.8969	25.24	-31.92	40.00	Vertical	PASS
206.7167	20.95	-31.84	43.50	Vertical	PASS
279.5395	19.77	-29.77	46.00	Vertical	PASS
360.1301	29.43	-27.24	46.00	Vertical	PASS
562.0921	21.36	-23.22	46.00	Vertical	PASS
834.9349	24.20	-19.93	46.00	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)

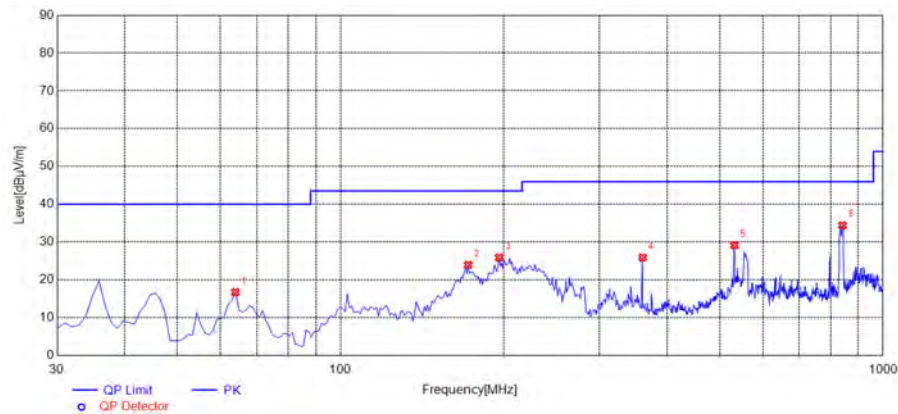


Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
1111.5112	45.47	-24.21	74.00	Vertical	PASS
1499.0499	42.90	-23.37	74.00	Vertical	PASS
3189.2189	36.46	-17.40	74.00	Vertical	PASS
5137.4137	36.11	-10.93	74.00	Vertical	PASS
11230.1230	42.30	3.48	74.00	Vertical	PASS
14649.2649	44.33	7.82	74.00	Vertical	PASS

(Antenna Vertical, 1GHz to 18GHz)

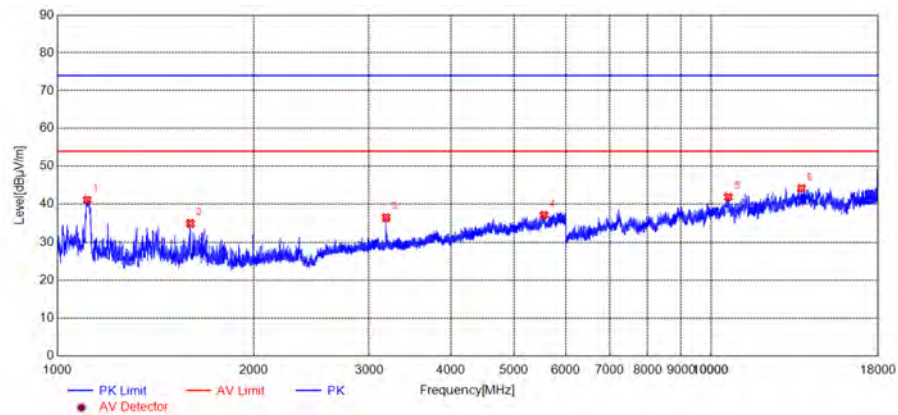


Plot for Channel 19



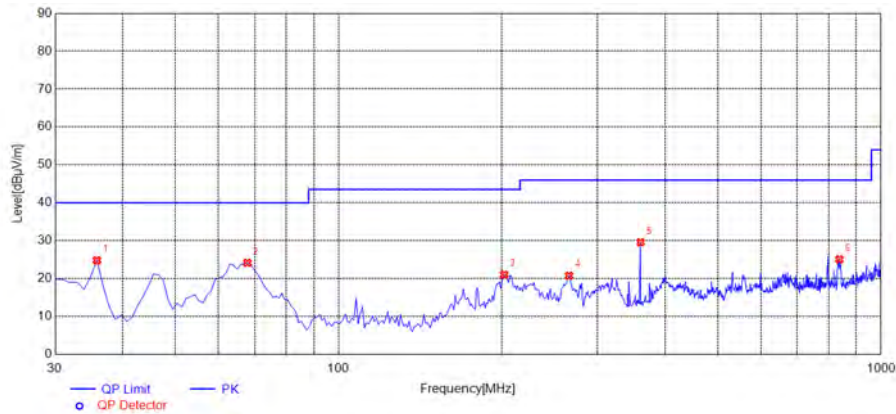
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
63.9840	16.76	-30.79	40.00	Horizontal	PASS
171.7618	23.97	-33.89	43.50	Horizontal	PASS
196.0360	25.89	-31.88	43.50	Horizontal	PASS
360.1301	25.90	-27.24	46.00	Horizontal	PASS
531.9920	29.17	-23.63	46.00	Horizontal	PASS
841.7317	34.42	-19.87	46.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



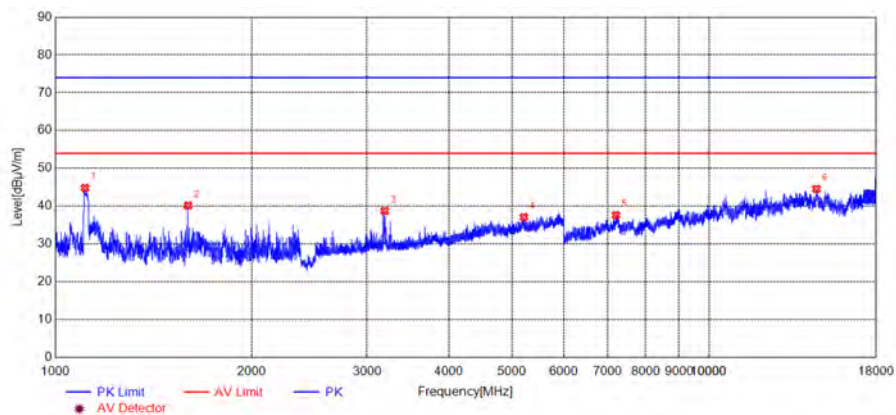
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
1112.0112	41.14	-24.20	74.00	Horizontal	PASS
1599.0599	35.00	-23.60	74.00	Horizontal	PASS
3185.7186	36.53	-17.43	74.00	Horizontal	PASS
5552.4552	37.11	-8.30	74.00	Horizontal	PASS
10626.4626	41.88	2.38	74.00	Horizontal	PASS
13745.5746	44.21	6.98	74.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 18GHz)



Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
35.8258	24.84	-38.14	40.00	Vertical	PASS
67.8679	24.18	-32.35	40.00	Vertical	PASS
201.8619	21.06	-31.67	43.50	Vertical	PASS
265.9459	20.79	-30.09	46.00	Vertical	PASS
360.1301	29.59	-27.24	46.00	Vertical	PASS
837.8478	25.09	-19.89	46.00	Vertical	PASS

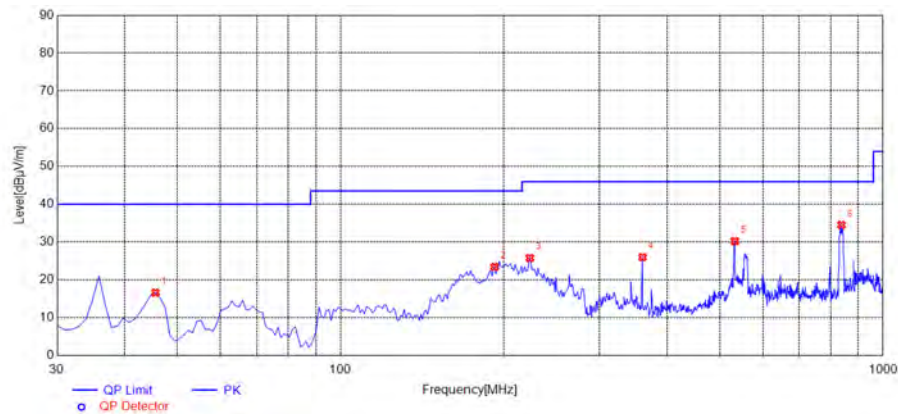
(Antenna Vertical, 30MHz to 1GHz)



Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
1111.0111	44.82	-24.22	74.00	Vertical	PASS
1597.0597	40.17	-23.61	74.00	Vertical	PASS
3192.7193	38.78	-17.36	74.00	Vertical	PASS
5210.9211	37.12	-9.95	74.00	Vertical	PASS
7204.9205	37.61	-3.89	74.00	Vertical	PASS
14590.4590	44.56	6.46	74.00	Vertical	PASS

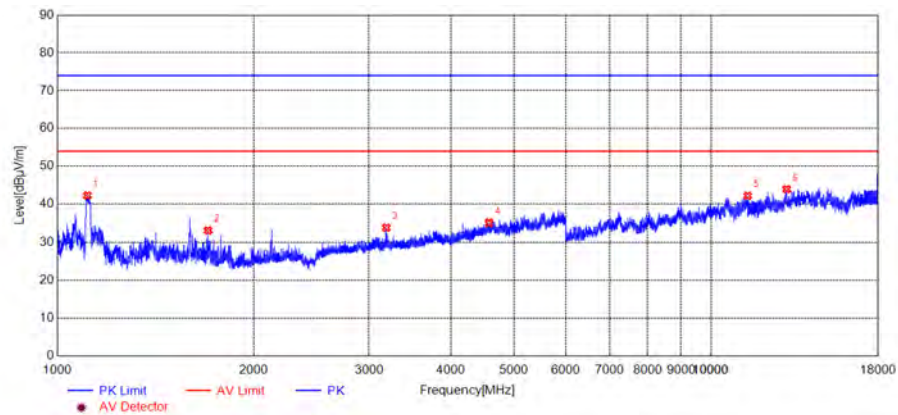
(Antenna Vertical, 1GHz to 18GHz)

Plot for Channel 39



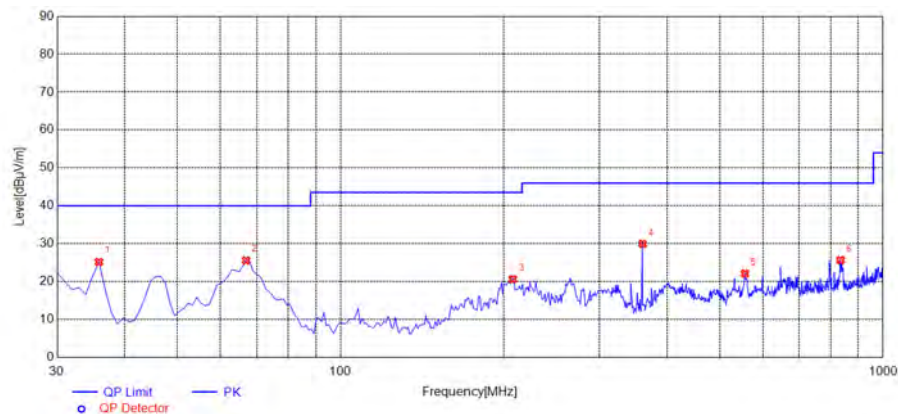
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
45.5355	16.63	-28.95	40.00	Horizontal	PASS
192.1522	23.47	-32.23	43.50	Horizontal	PASS
223.2232	25.79	-31.46	46.00	Horizontal	PASS
360.1301	26.00	-27.24	46.00	Horizontal	PASS
532.9630	30.26	-23.62	46.00	Horizontal	PASS
837.8478	34.58	-19.89	46.00	Horizontal	PASS

(Antenna Horizontal, 30MHz to 1GHz)



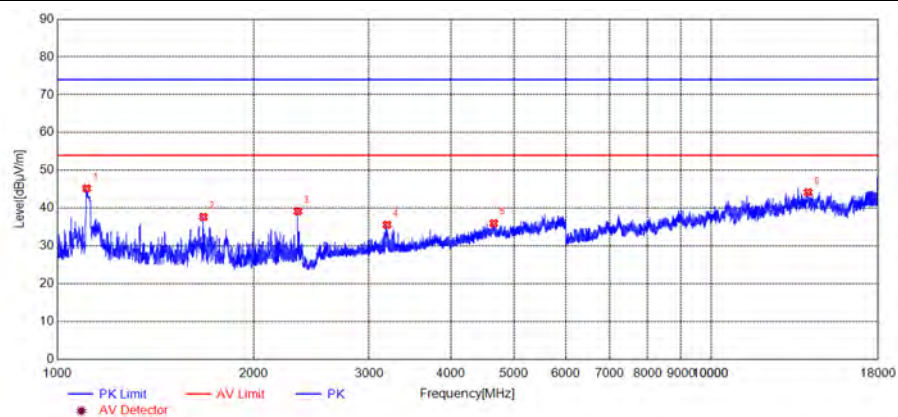
Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
1112.5113	42.31	-24.19	74.00	Horizontal	PASS
1701.0701	33.22	-23.71	74.00	Horizontal	PASS
3187.2187	33.96	-17.42	74.00	Horizontal	PASS
4577.3577	35.14	-12.05	74.00	Horizontal	PASS
11374.1374	42.21	3.22	74.00	Horizontal	PASS
13053.1053	43.96	6.85	74.00	Horizontal	PASS

(Antenna Horizontal, 1GHz to 18GHz)



Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
35.8258	25.20	-38.14	40.00	Vertical	PASS
66.8969	25.61	-31.92	40.00	Vertical	PASS
207.6877	20.64	-31.92	43.50	Vertical	PASS
360.1301	29.95	-27.24	46.00	Vertical	PASS
556.2663	22.16	-23.30	46.00	Vertical	PASS
834.9349	25.66	-19.93	46.00	Vertical	PASS

(Antenna Vertical, 30MHz to 1GHz)



Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Antenna	Verdict
1110.0110	45.23	-24.23	74.00	Vertical	PASS
1673.5674	37.71	-23.66	74.00	Vertical	PASS
2334.1334	39.19	-20.95	74.00	Vertical	PASS
3194.7195	35.63	-17.34	74.00	Vertical	PASS
4651.3651	36.03	-11.19	74.00	Vertical	PASS
14075.6076	44.19	6.66	74.00	Vertical	PASS

(Antenna Vertical, 1GHz to 18GHz)

END OF REPORT