



REPORT No.: SZ25090117W02

TEST REPORT

APPLICANT : Eforthink Technology Co., Ltd.

PRODUCT NAME : EforLink Terminal Device

MODEL NAME : EFORLINKS02

BRAND NAME : EforLink

FCC ID : 2BTEQEFORLINKS02

STANDARD(S) : 47 CFR Part 15 Subpart F

RECEIPT DATE : 2025-11-05

TEST DATE : 2025-11-10 to 2025-11-17

ISSUE DATE : 2025-12-23



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MORLAB

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DIRECTORY

1. Summary of Test Result	3
1.1. Applicable Testing Methods	3
1.2. Test Equipment List	3
1.3. Measurement Uncertainty	6
1.4. Testing Laboratory	6
2. General Description	7
2.1. Information of Applicant and Manufacturer	7
2.2. Information of EUT	7
2.3. Channel List of EUT	8
2.4. Test Configuration of EUT	9
2.5. Test Conditions	9
2.6. Test Setup Layout Diagram	9
3. Test Results	13
3.1. Antenna Requirement	13
3.2. UWB Bandwidth and Occupied Bandwidth	14
3.3. Peak Power Spectral Density	15
3.4. Transmission Cessation Time	16
3.5. Radiated Emissions	17
3.6. Conducted Emissions	20
Annex A Test Data and Result	21

Change History		
Version	Date	Reason for change
1.0	2025-12-23	First edition



1. Summary of Test Result

No.	Section	Description	Test Date	Test Engineer	Result	Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	/
2	N/A	Duty Cycle of Test Signal	Nov. 12, 2025	Su Xiaoxian	N/A	/
3	15.503(a), 15.519(b)	UWB Bandwidth and Occupied Bandwidth	Nov. 12, 2025	Su Xiaoxian	PASS	/
4	15.519(e)	Peak Power Spectral Density	Nov. 12, 2025	Su Xiaoxian	PASS	/
5	15.519(a)	Transmission Cessation Time	Nov. 12, 2025	Su Xiaoxian	PASS	/
6	15.209, 15.519(c), 15.519(d)	Radiated Emission	Nov. 10, 2025	Zhong Xiangyun	PASS	/
7	15.207	Conducted Emission	Nov. 11, 2025	Wang Yapeng	PASS	/

Note 1: Any additions, deviation, or exclusions from the method shall be noted in the "Remark".

1.1. Applicable Testing Methods

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

- 47 CFR Part 15 Subpart C
- ANSI C63.10-2020
- KDB 393764 D01 UWB FAQ v02r01

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	2025.01.15	2026.01.14
RF Cable	CB01	RF01	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A

1.2.2 Conducted Emission Test Equipment



REPORT No.: SZ25090117W02

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	101052	ESPI	R&S	2025.05.15	2026.05.14
LISN	103131	ENV 216	R&S	2025.03.20	2026.03.19
RF Coaxial Cable (DC-100MHz)	EMC-CE- 00514	N/A	N/A	2025.05.06	2026.05.05

1.2.3 List of Software Used

Description	Manufacturer	Software Version
JS32-RE	Tonscend	5.0.0
TS+ -[JS32-CE]	Tonscend	2.5.0.0

**1.2.4 Radiated Test Equipment**

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Signal Analyzer	MY56060145	N9020A	Agilent	2025.05.13	2026.05.12
Test Antenna - Bi-Log	9163-274	VULB 9163	Schwarzbeck	2025.06.28	2026.06.27
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2025.05.16	2026.05.15
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2025.06.20	2026.06.19
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2025.06.20	2026.06.19
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	2025.09.03	2026.09.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2025.09.03	2026.09.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2025.09.03	2026.09.02
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.06.21	2028.06.20
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.11.30	2025.11.29



1.3. Measurement Uncertainty

Test Items	Uncertainty	Remark
Peak Power Spectral Density	$\pm 2.22\text{dB}$	Confidence levels of 95%
Bandwidth	$\pm 5\%$	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
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FCC Designation Number:	CN1192
FCC Test Firm Registration Number:	226174

2. General Description

2.1. Information of Applicant and Manufacturer

Applicant:	Eforthink Technology Co., Ltd.
Applicant Address:	Units 904,905,906, 9/Floor & Unit 1007, 10/Floor Building 1,898 Baicao Road, Gaoxin West District Chengdu City, Sichuan Province, China
Manufacturer:	Eforthink Technology Co., Ltd.
Manufacturer Address:	Building 5, No. 28, Xinchuang Road, Gaoxin West District Chengdu City, Sichuan Province, China

2.2. Information of EUT

Product Name:	EforLink Terminal Device
Sample No.:	3#, 10#
Hardware Version:	V010
Software Version:	V1.0.7
Equipment Type:	UWB
Modulation Type:	BPSK
Operating Frequency Range:	6489.6MHz-7987.2MHz
Channel List:	Refer to section 2.3 in this report.
Application Category:	☐ GPRs/Wall image Systems ☐ Through-wall imaging systems ☐ Surveillance systems ☐ Medical imaging systems ☐ Vehicular radar systems ☐ Indoor UWB systems ☒ Hand held UWB systems
Antenna Type:	Chip Antenna
Antenna Gain:	CH5: 3.0dBi CH9: 4.0dBi

Note 1: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. 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)
5	6489.6
9	7987.2

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

2.4. Test Configuration of EUT

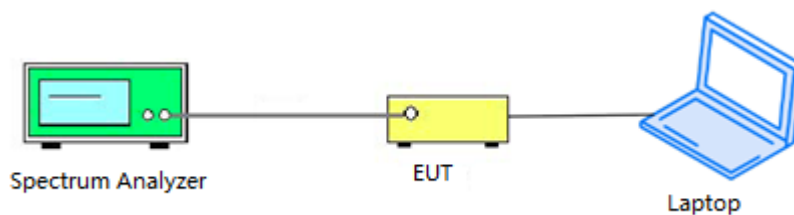
The EUT is controlled by dedicated software-“Wireless R&D Testing Tools.exe” provided by the manufacturer, which needs to be installed on a computer, to transmit at the default maximum power level.

2.5. Test Conditions

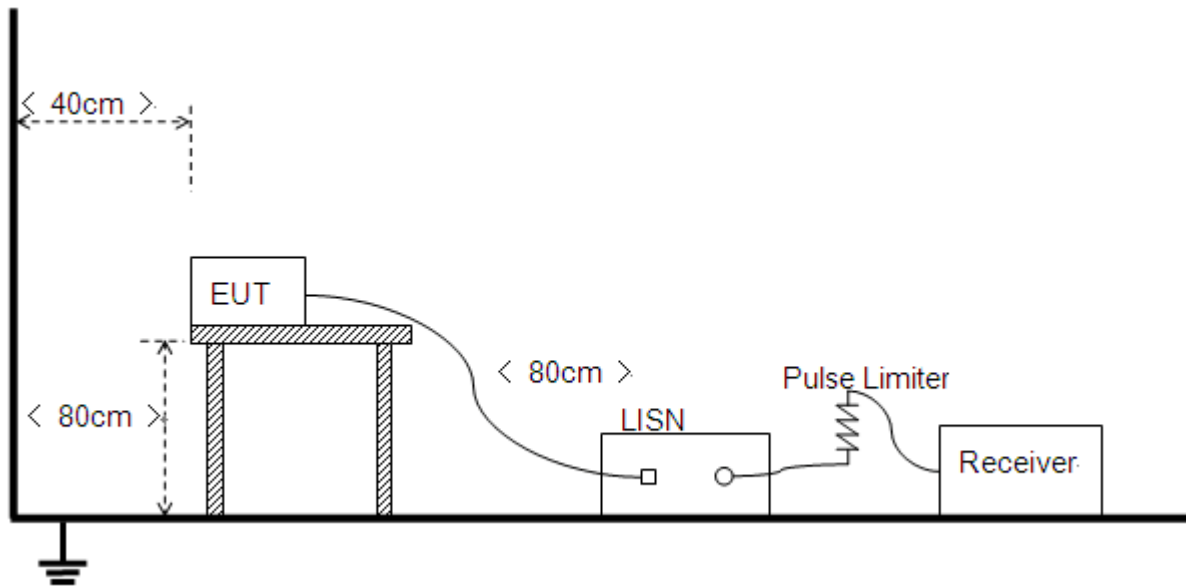
Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

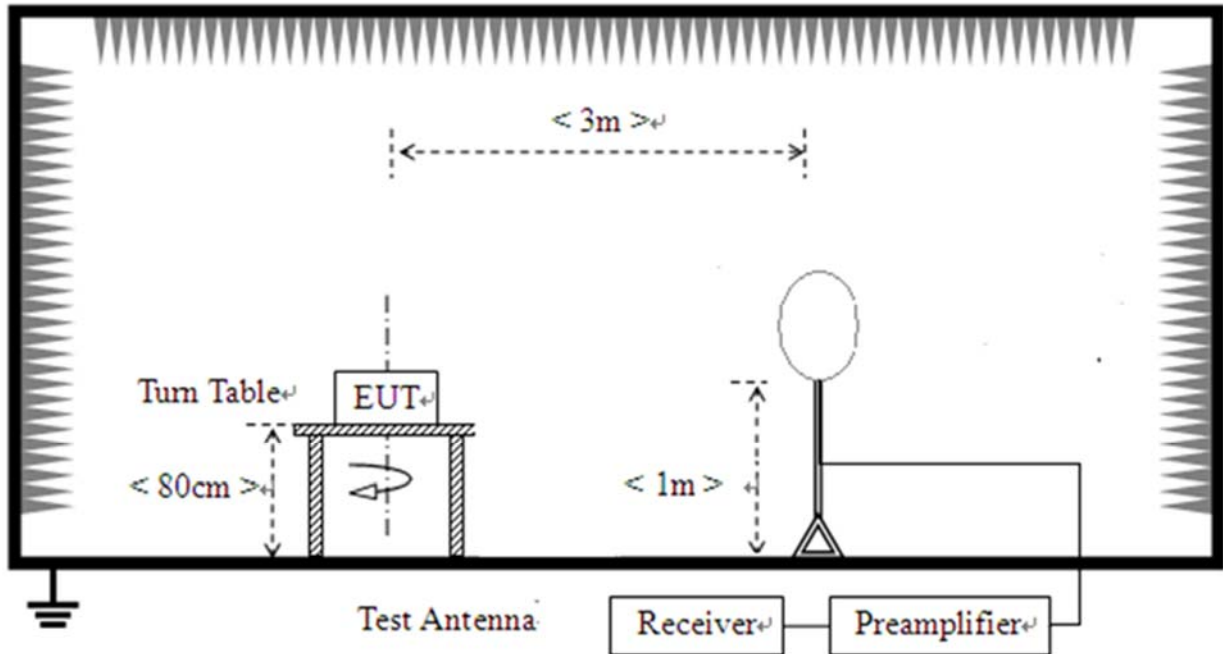


2.6.2. Conducted Emission Measurement

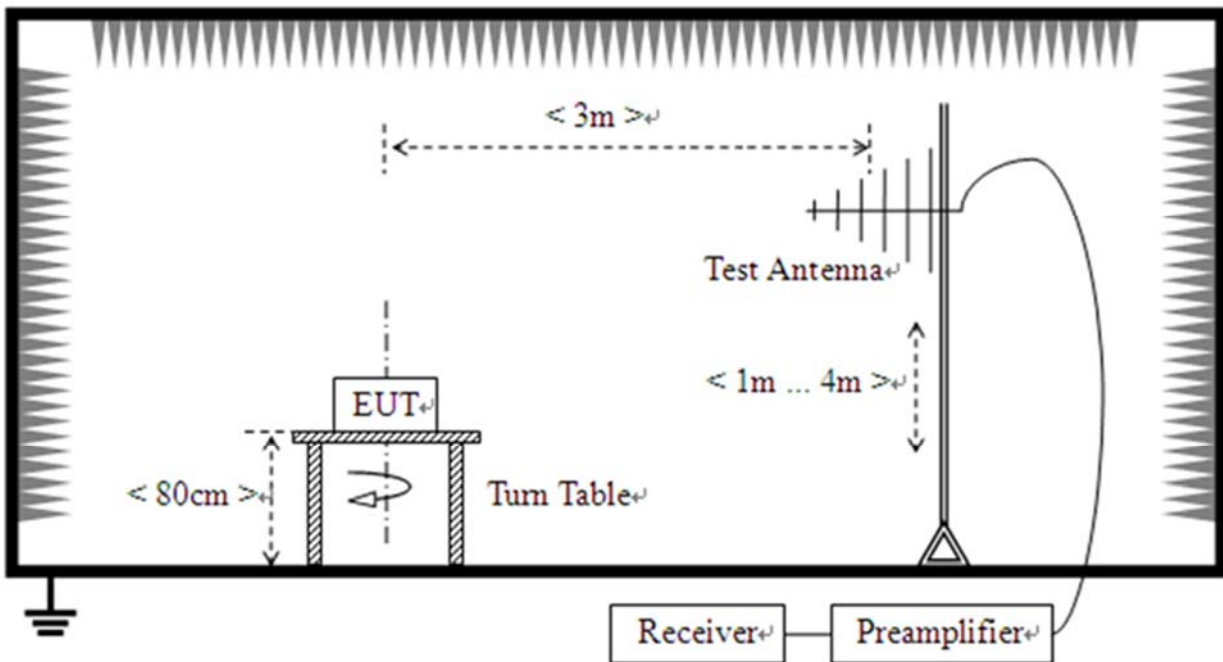


2.6.3.Radiation Measurement

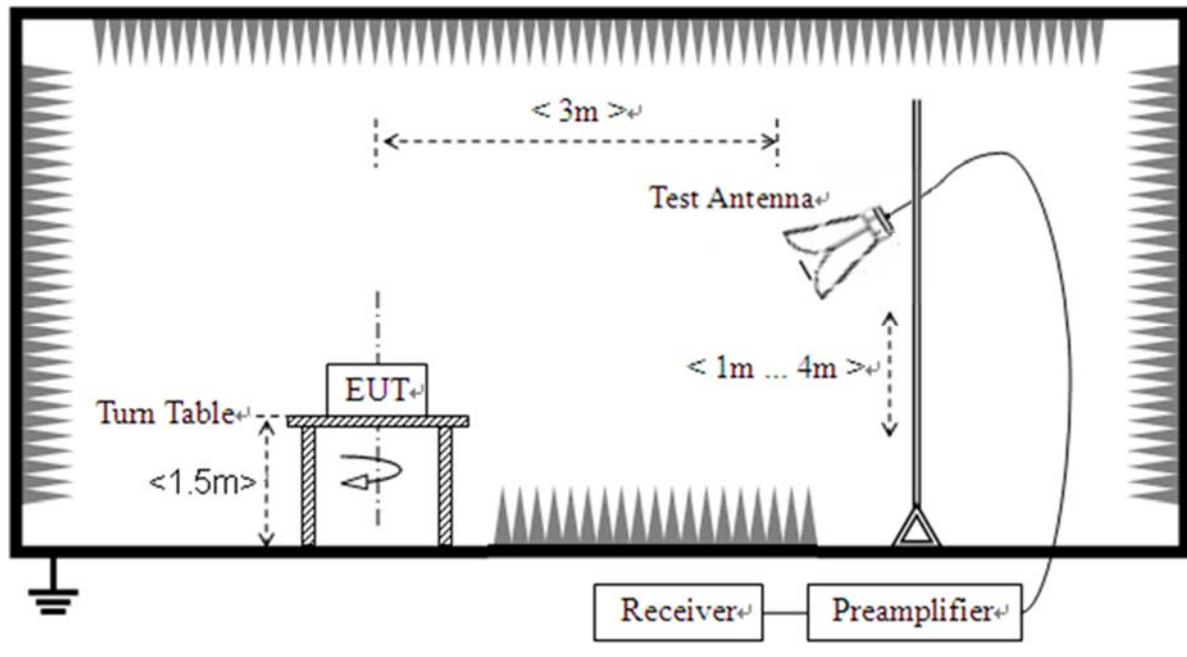
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to 1GHz



3) For radiated emissions above 1GHz





3. Test Results

3.1. Antenna Requirement

3.1.1. Requirements

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. Results

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



3.2. UWB Bandwidth and Occupied Bandwidth

3.2.1. Requirements

47 CFR 15.503(a) -The UWB bandwidth is the frequency band bounded by the points that are 10 dB below the highest radiated emission, as based on the complete transmission system including the antenna. The upper boundary is designated f_H and the lower boundary is designated f_L . The frequency at which the highest radiated emission occurs is designated f_M .

47 CFR 15.503(b) -The center frequency, f_C , equals $(f_H + f_L)/2$.

47 CFR 15.503(c) -The fractional bandwidth equals $2(f_H - f_L) / (f_H + f_L)$.

47 CFR 15.503(d) -A Ultra-wideband (UWB) transmitter that, at any point in time, has a fractional bandwidth equal to or greater than 0.20 or has a UWB bandwidth equal to or greater than 500 MHz, regardless of the fractional bandwidth.

ANSI C63.10 section 3.1-The occupied bandwidth is the bandwidth containing 99% of the total integrated power of the transmitted spectrum, centered on the assigned frequency.

3.2.2. Test Procedure

UWB Bandwidth: ANSI C63.10, section 10.1,

Occupied Bandwidth: ANSI C63.10 section 6.9.

3.2.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.2.4. Test Results

Refer to Annex A.2 in this report.



3.3. Peak Power Spectral Density

3.3.1. Requirements

47 CFR 15.519(e) -There is a limit on the peak level of the emissions contained within a 50 MHz bandwidth centered on the frequency at which the highest radiated emission occurs, f_M . That limit is 0 dBm EIRP.

47 CFR 15.521(g) -If a resolution bandwidth other than 50 MHz is employed, the peak EIRP limit shall be $20 \log (RBW/50)$ dBm where RBW is the resolution bandwidth in megahertz that is employed. This may be converted to a peak field strength level at 3 meters using $E(\text{dBuV/m}) = P(\text{dBm EIRP}) + 95.2$.

3.3.2. Test Procedure

ANSI C63.10, section 10.3.5 and section 10.3.6.

3.3.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.3.4. Test Results

Refer to Annex A.3 in this report.



3.4. Transmission Cessation Time

3.4.1. Requirements

47 CFR 15.519(a)(1) -A UWB device operating under the provisions of this section shall transmit only when it is sending information to an associated receiver. The UWB intentional radiator shall cease transmission within 10 seconds unless it receives an acknowledgement from the associated receiver that its transmission is being received. An acknowledgment of reception must continue to be received by the UWB intentional radiator at least every 10 seconds or the UWB device must cease transmitting.

3.4.1. Test Procedure

Use the software "Wireless R&D Testing Tools.exe" to trigger and simulate the signal transmission process.

3.4.2. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.4.3. Test Results

Refer to Annex A.4 in this report.

3.5. Radiated Emissions

3.5.1. Requirements

47 CFR 15.519(c)-The radiated emissions at or below 960 MHz from a device operating under the provisions of this section shall not exceed the emission levels in § 15.209:

Frequency (MHz)	Field Strength (μV/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

The radiated emissions above 960 MHz from a device operating under the provisions of this section shall not exceed the following average limits when measured using a resolution bandwidth of 1 MHz:

Frequency (MHz)	EIRP (dBm)	Field Strength@3m (μV/m)	Field Strength@3m (dBμV/m)
960-1610	-75.3	9.92	19.93
1610-1990	-63.3	11.85	21.47
1990-3100	-61.3	49.71	33.93
3100-10600	-41.3	497.09	53.93
Above 10600	-61.3	49.71	33.93

According to section annex G.2 in ANSI C63.10, the EIRP can be converted into electric field strength using the following formula:

$$EIRP = p_t \times g_t = (E \times d)^2 / 30$$

where

p_t	is the transmitter output power in watts
g_t	is the numeric gain of the transmitting antenna (dimensionless)
E	is the electric field strength in V/m
d	is the measurement distance in meters (m)

$$ERP = EIRP / 1.64 = (E \times d)^2 / (30 \times 1.64) = (E \times d)^2 / 49.2$$



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.

3.5.2.Test Procedure

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.

3.5.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.5.4.Test Results

Refer to Annex A.5 in this report.



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.

Note 1: 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.

Note 2: 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.

Note 3: For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

3.6. Conducted Emissions

3.6.1. Requirements

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.

3.6.2. Test Procedure

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.

3.6.3. Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.6.4. Test Results

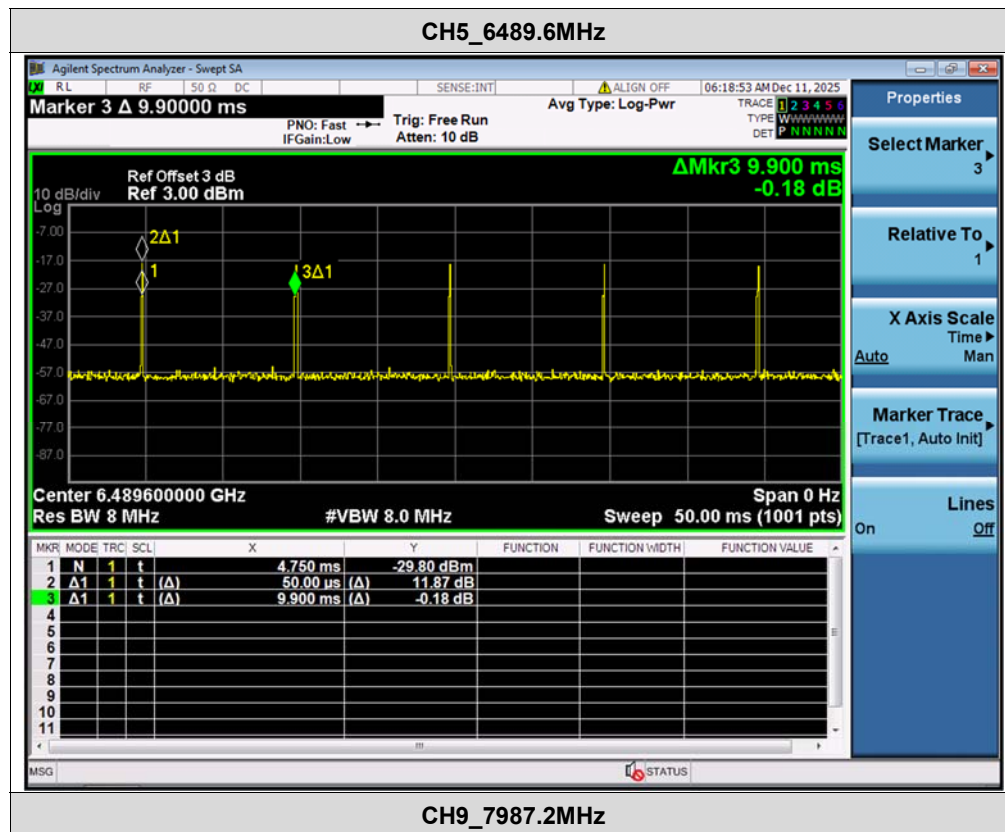
Refer to Annex A.6 in this report.



Annex A Test Data and Result

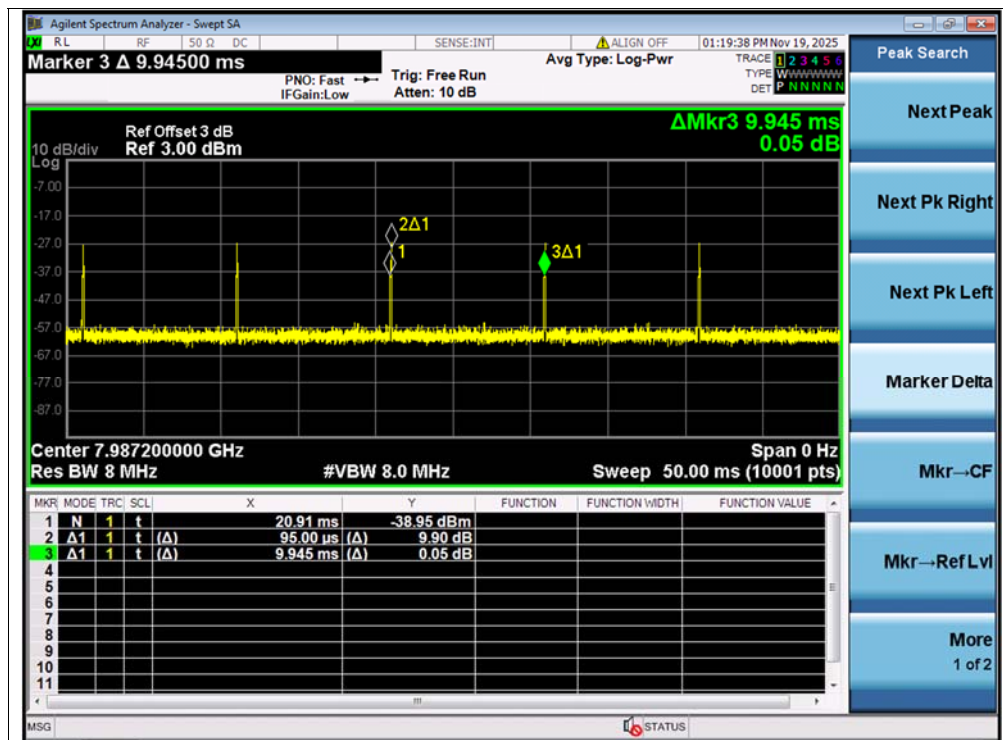
A.1. Duty Cycle of Test Signal

CH.	Frequency (MHz)	Tx_on (ms)	Tx_On+Off (ms)	Duty Cycle (%)
CH5	6489.6	0.050	9.900	0.51
CH9	7987.2	0.095	9.945	0.96





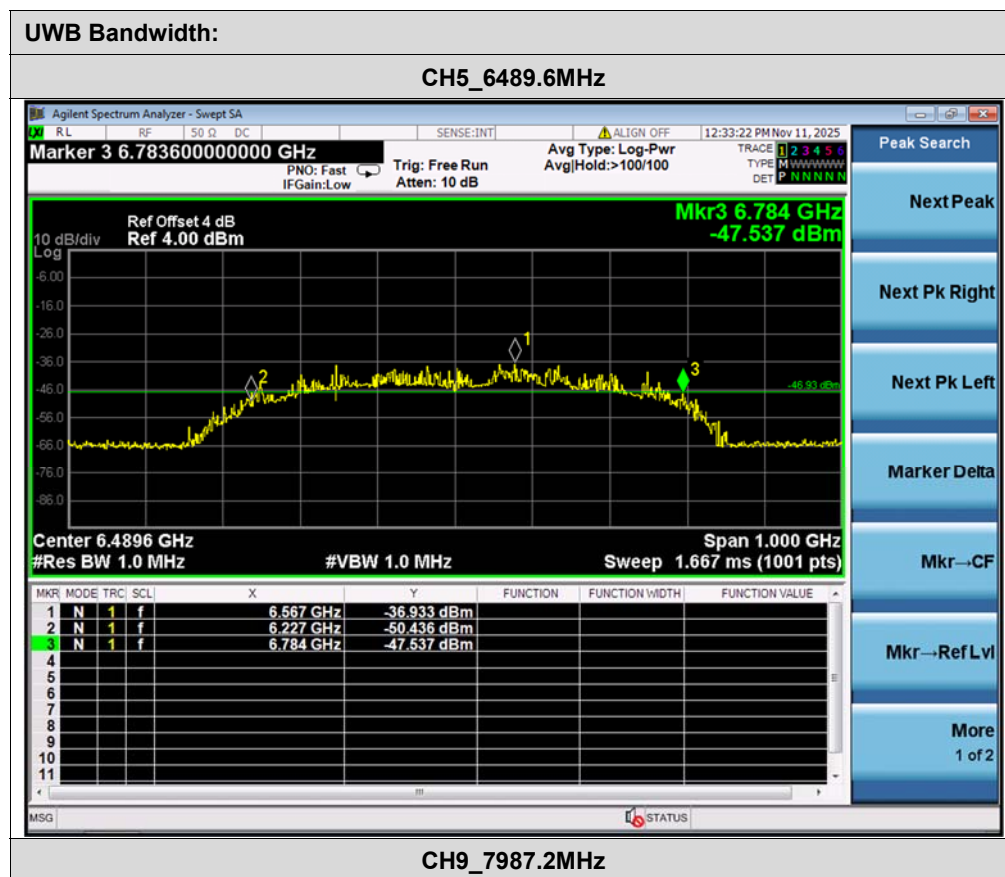
REPORT No.: SZ25090117W02

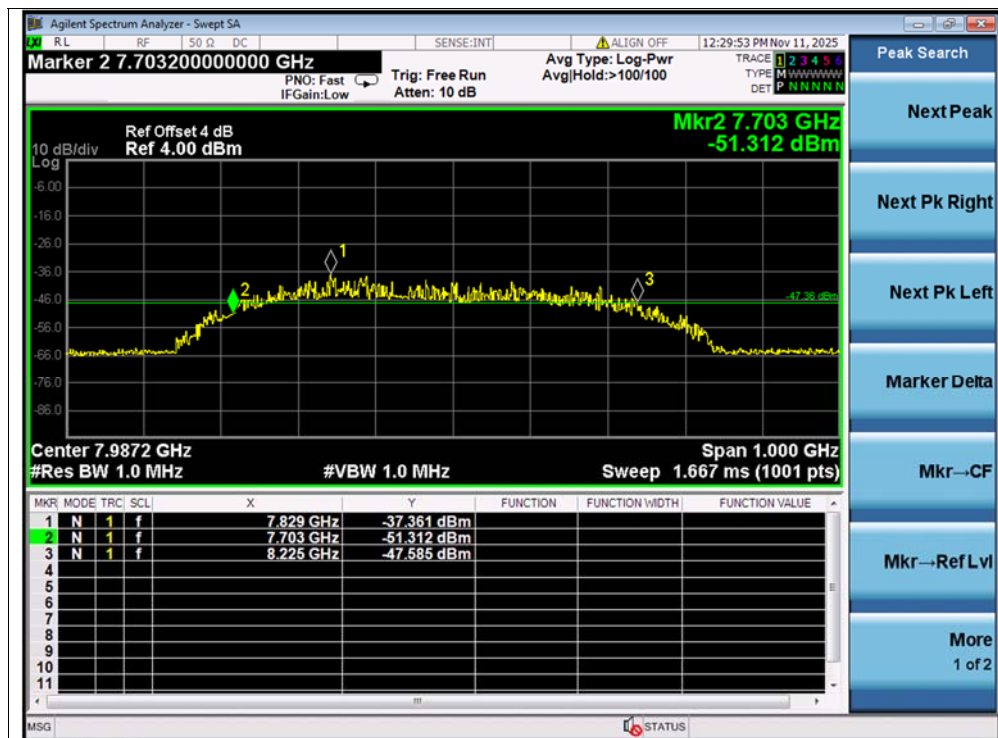


**A.2. UWB Bandwidth and Occupied Bandwidth**

Ch. Freq.(MHz) Items		f _L (MHz)	f _H (MHz)	UWB Transmitter ^{Note1}		Occupied Bandwidth (MHz)
				UWB Bandwidth (MHz)	Fractional Bandwidth	
Results	6489.6	6227.0	6784.0	557.0	0.086	580.20
	7987.2	7703.0	8225.0	522.0	0.066	602.22
Limits	6489.6	>3100	<10600	>=500	>=0.2	-
	7987.2					-
Verdict	6489.6	PASS	PASS	PASS		-
	7987.2	PASS	PASS	PASS		-

Note1: The fractional bandwidth equal to or greater than 0.20 or has a UWB bandwidth equal to or greater than 500 MHz, regardless of the fractional bandwidth.





Occupied Bandwidth:

CH5_6489.6MHz



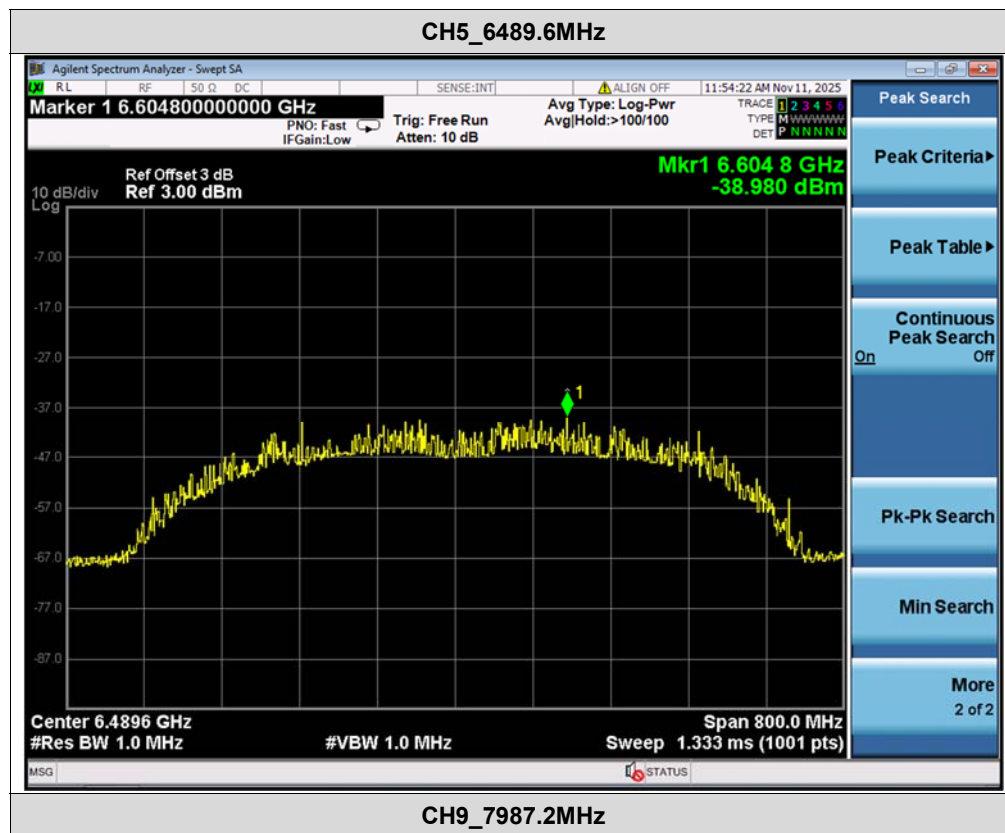
CH9_7987.2MHz

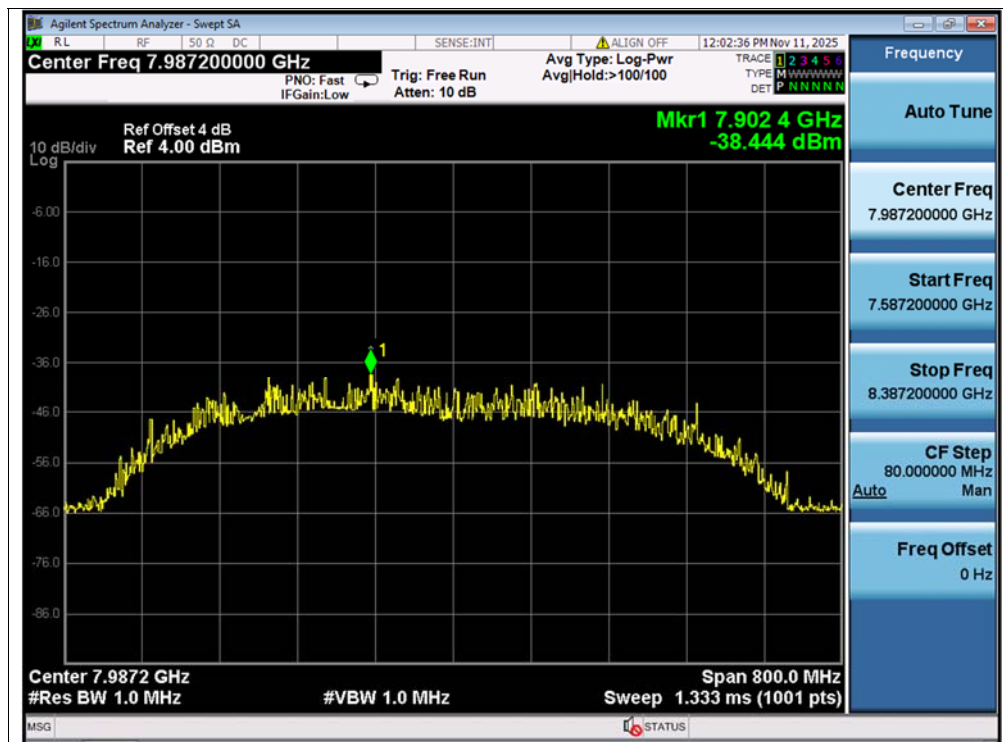




A.3. Peak Power Spectral Density

Freq. (MHz)	Power Setting (PL)	Conducted Emission Level within 1MHz (dBm)	Antenna Gain (dBi)	EIRP Emission Level within 1MHz (dBm)	Limit (dBm)		Verdict
					50 MHz BW centered on f_m	RBW=1 MHz ($\leq 20 \cdot \log(RBW/50)$)	
6489.6	0x1C	-38.980	3.0	-35.980	0	-33.979	PASS
7987.2	0x1C	-38.440	4.0	-34.440	0	-33.979	PASS

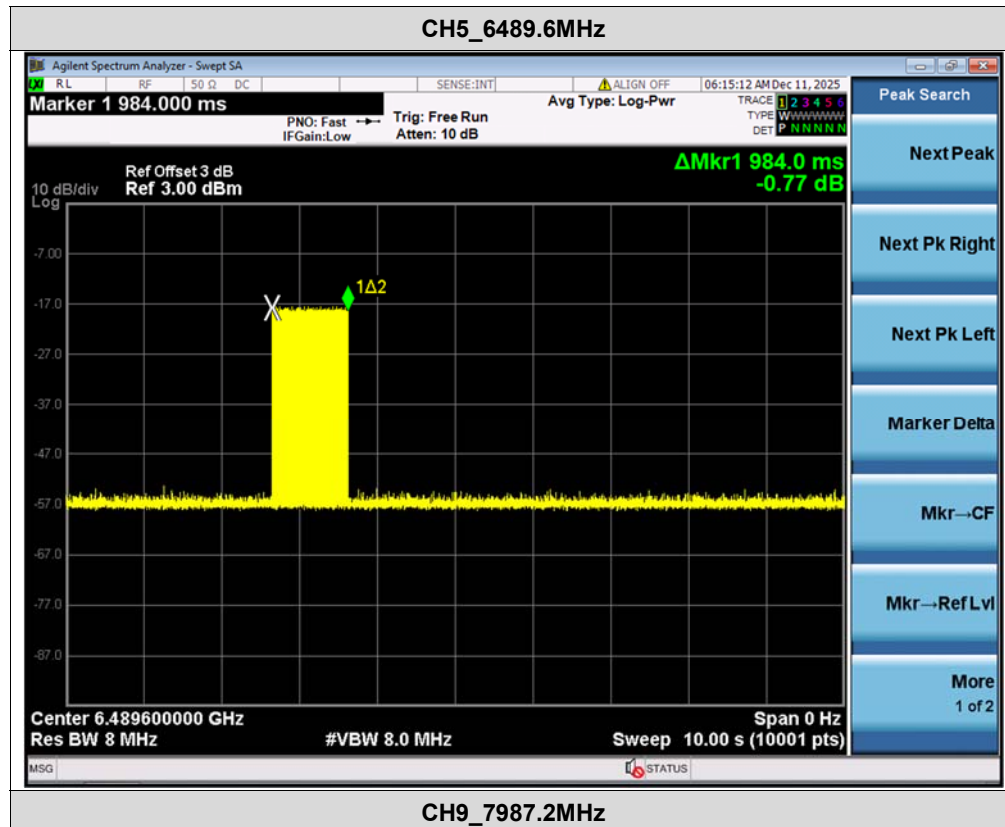


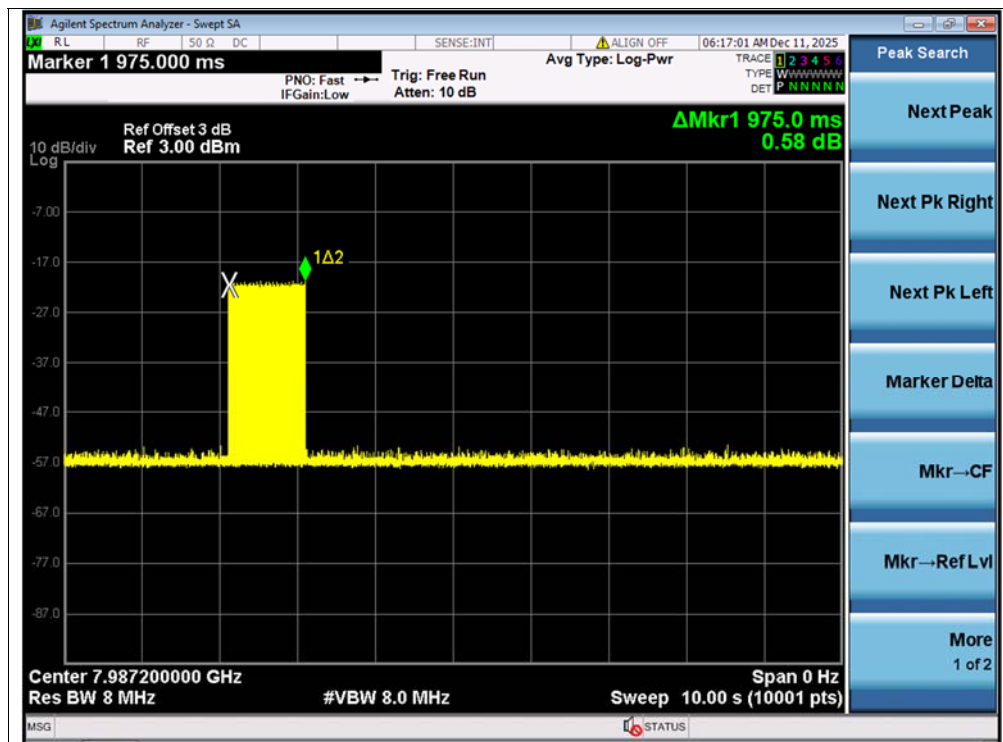




A.4. Transmission Cessation Time

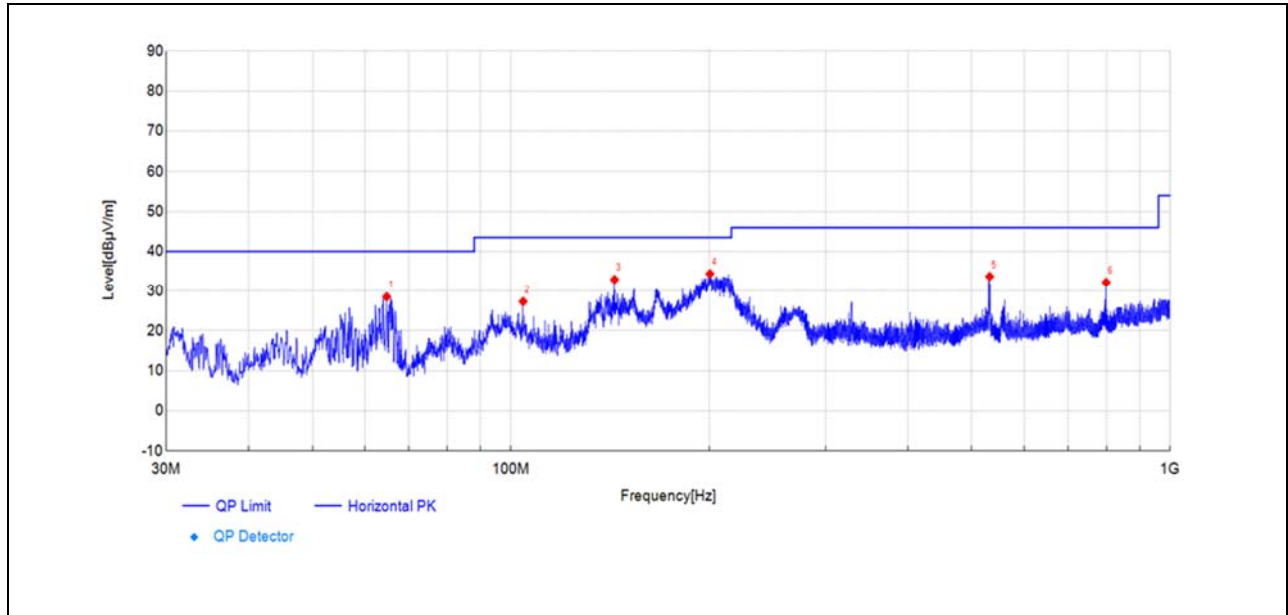
CH.	Frequency (MHz)	Transmission Cessation Time (s)	Limit	Verdict
CH5	6489.6	0.984	<=10s	PASS
CH9	7987.2	0.975	<=10s	PASS





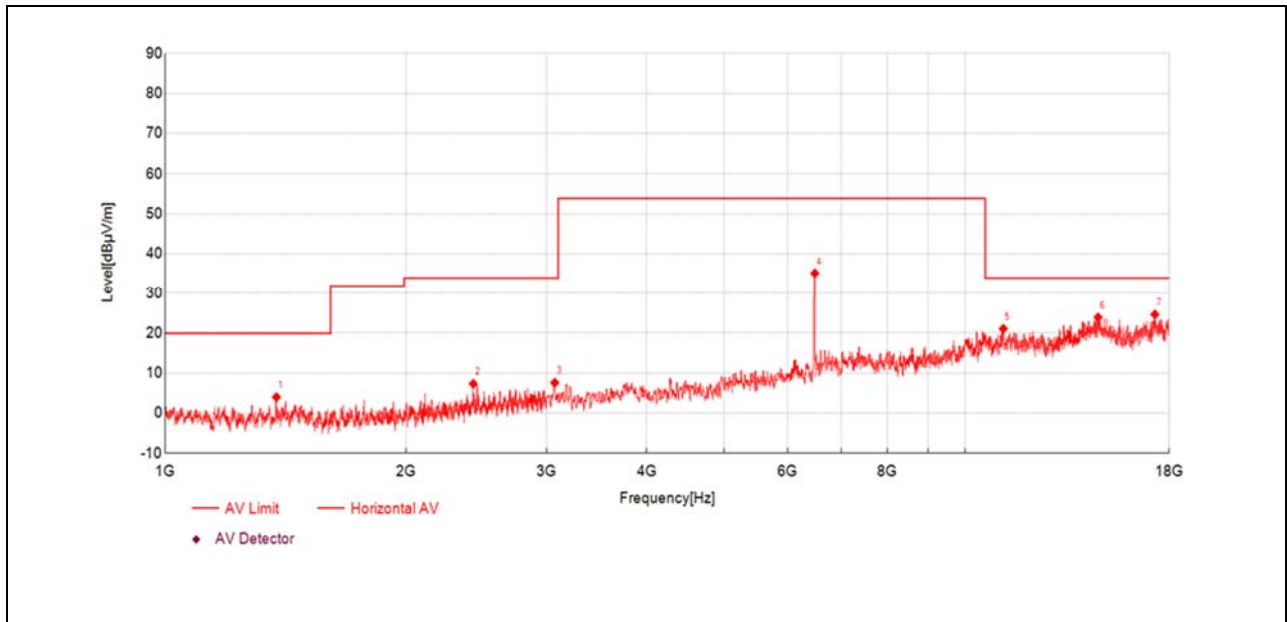
A.5. Radiated Emissions

Plot for Channel 5



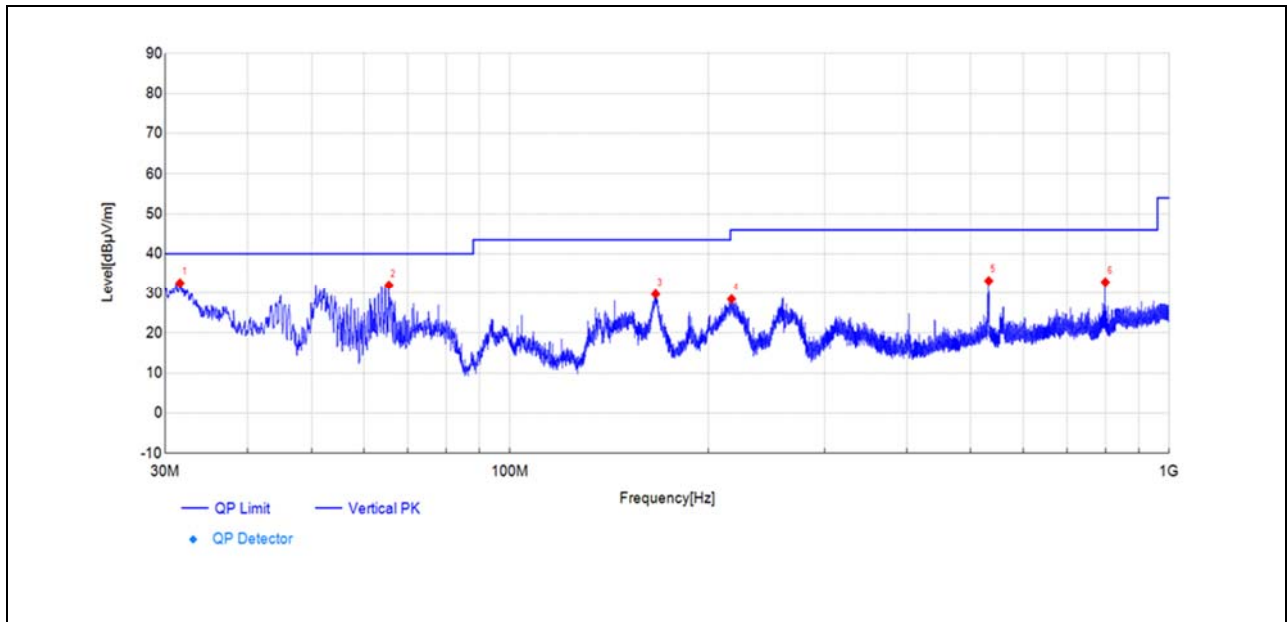
(Antenna Horizontal, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Angle [°]	Polarity	Verdict
64.82	57.7	28.50	-29.210	40.00	99	Horizontal	PASS
104.35	56.8	27.30	-29.490	43.52	135	Horizontal	PASS
143.59	64.3	32.90	-31.390	43.52	259	Horizontal	PASS
200.39	63.2	34.37	-28.830	43.52	171	Horizontal	PASS
532.15	52.7	33.69	-18.980	46.02	99	Horizontal	PASS
799.44	46.9	32.20	-14.730	46.02	140	Horizontal	PASS



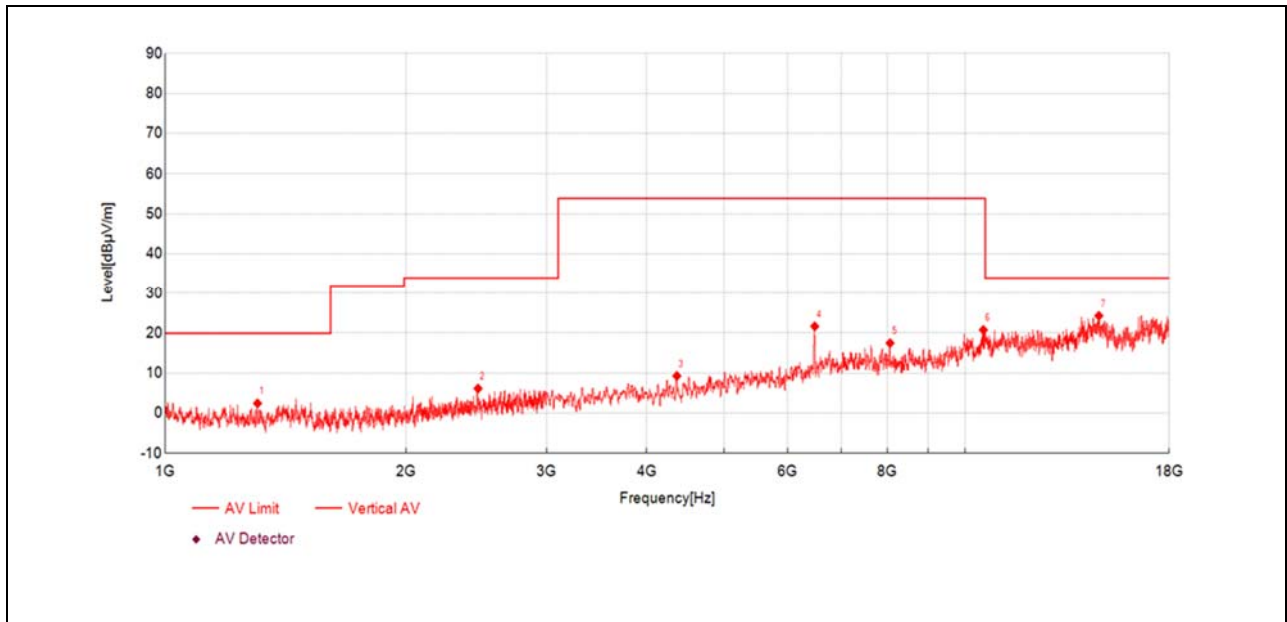
(Antenna Horizontal, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Angle [°]	Polarity	Verdict
1377.68	23.2	4.00	-19.160	19.93	158	Horizontal	PASS
2427.89	21.2	7.34	-13.810	33.93	153	Horizontal	PASS
3069.43	18.4	7.60	-10.780	33.93	144	Horizontal	PASS
6489.53	33.2	35.09	1.890	53.93	27	Horizontal	PASS
11162.38	7.4	21.06	13.710	33.93	177	Horizontal	PASS
14665.62	3.4	23.88	20.510	33.93	35	Horizontal	PASS
17270.98	5.4	24.64	19.200	33.93	43	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

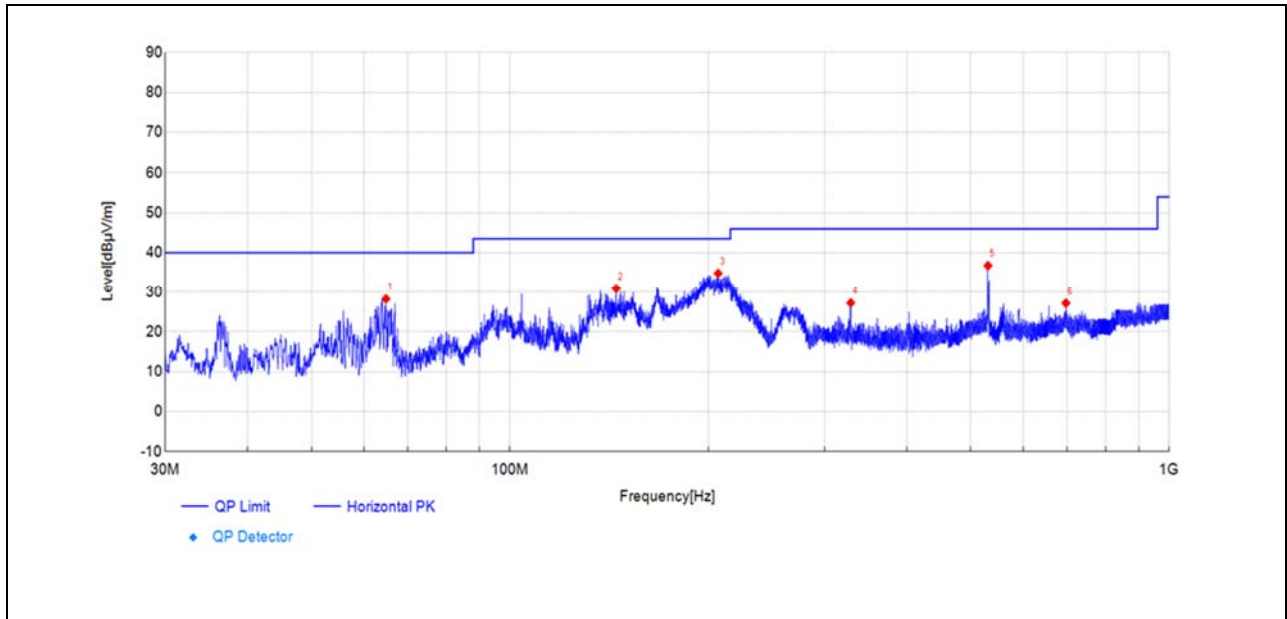
Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Angle [°]	Polarity	Verdict
31.60	63.2	32.63	-30.570	40.00	71	Vertical	PASS
65.55	62.0	32.06	-29.930	40.00	360	Vertical	PASS
166.34	61.3	29.73	-31.530	43.52	169	Vertical	PASS
216.88	57.3	28.47	-28.870	46.02	250	Vertical	PASS
532.39	52.2	33.19	-18.980	46.02	230	Vertical	PASS
799.88	47.7	32.87	-14.800	46.02	45	Vertical	PASS



(Antenna Vertical, 1GHz to 18GHz)

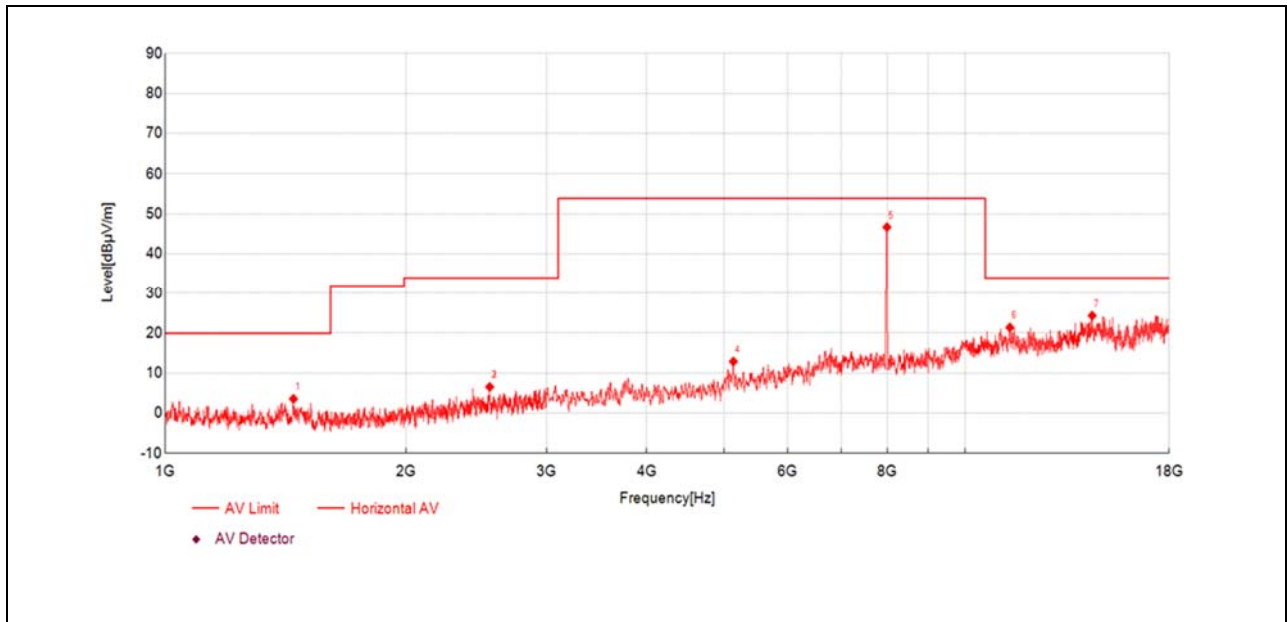
Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Angle [°]	Polarity	Verdict
1304.86	22.4	2.45	-19.930	19.93	135	Vertical	PASS
2461.49	19.5	6.14	-13.380	33.93	35	Vertical	PASS
4362.47	16.5	9.28	-7.260	53.93	358	Vertical	PASS
6488.24	19.8	21.64	1.880	53.93	51	Vertical	PASS
8057.72	12.8	17.48	4.640	53.93	126	Vertical	PASS
10541.36	8.7	20.75	12.050	53.93	244	Vertical	PASS
14697.33	3.7	24.27	20.600	33.93	34	Vertical	PASS

Plot for Channel 9



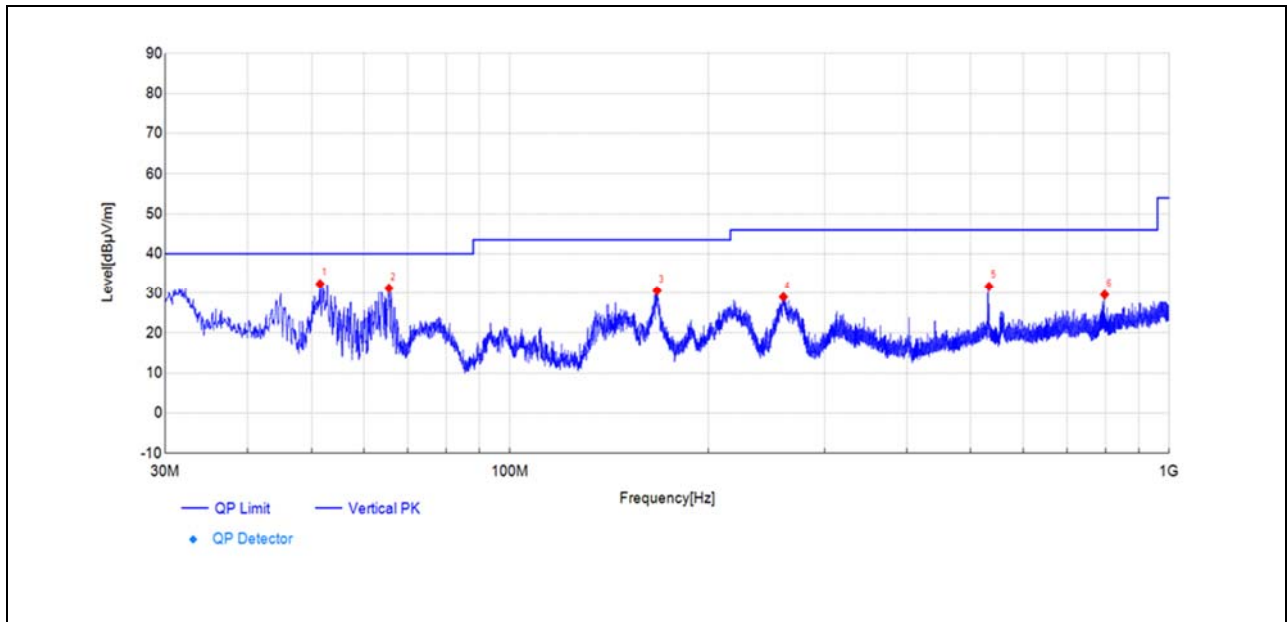
(Antenna Horizontal, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Angle [°]	Polarity	Verdict
64.87	57.5	28.24	-29.210	40.00	93	Horizontal	PASS
144.95	62.3	30.91	-31.430	43.52	26	Horizontal	PASS
206.94	64.3	34.81	-29.440	43.52	145	Horizontal	PASS
328.82	51.6	27.24	-24.320	46.02	12	Horizontal	PASS
530.98	55.7	36.76	-18.930	46.02	176	Horizontal	PASS
697.05	42.8	27.18	-15.620	46.02	124	Horizontal	PASS



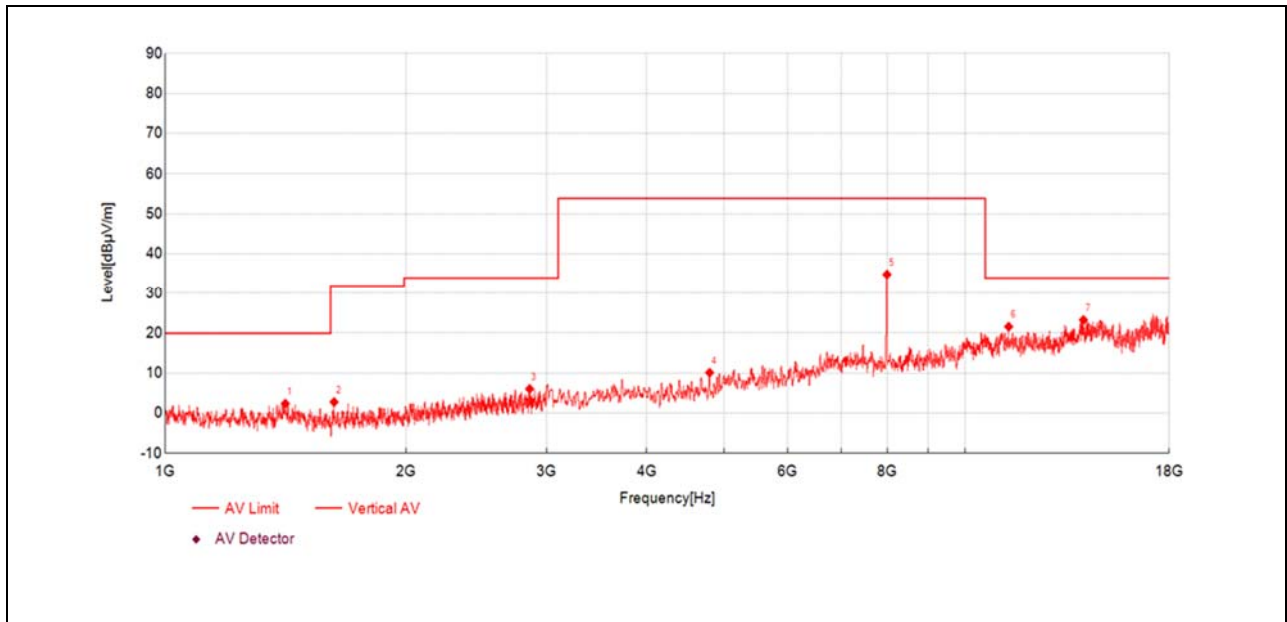
(Antenna Horizontal, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Angle [°]	Polarity	Verdict
1446.89	22.0	3.56	-18.440	19.93	121	Horizontal	PASS
2545.51	20.1	6.54	-13.590	33.93	333	Horizontal	PASS
2545.51	20.1	6.54	-13.590	33.93	333	Horizontal	PASS
5133.49	15.7	12.87	-2.810	53.93	167	Horizontal	PASS
7987.00	41.7	46.69	4.960	53.93	59	Horizontal	PASS
11377.10	7.6	21.36	13.810	33.93	159	Horizontal	PASS
14419.61	5.4	24.32	18.910	33.93	226	Horizontal	PASS



(Antenna Vertical, 30MHz to 1GHz)

Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Angle [°]	Polarity	Verdict
51.54	60.4	32.40	-28.020	40.00	87	Vertical	PASS
65.55	61.2	31.26	-29.930	40.00	9	Vertical	PASS
167.16	61.9	30.59	-31.320	43.52	154	Vertical	PASS
259.90	57.0	29.02	-28.000	46.02	71	Vertical	PASS
532.92	50.7	31.72	-19.010	46.02	220	Vertical	PASS
797.89	44.1	29.61	-14.480	46.02	66	Vertical	PASS



(Antenna Vertical, 1GHz to 18GHz)

Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Angle [°]	Polarity	Verdict
1413.28	21.1	2.39	-18.700	19.93	52	Vertical	PASS
1626.53	22.3	2.78	-19.560	21.47	337	Vertical	PASS
2855.57	18.2	6.04	-12.130	33.93	332	Vertical	PASS
4794.05	15.3	10.11	-5.230	53.93	277	Vertical	PASS
7987.43	29.8	34.80	4.960	53.93	18	Vertical	PASS
11337.67	8.2	21.56	13.400	33.93	34	Vertical	PASS
14060.89	4.1	23.23	19.110	33.93	93	Vertical	PASS



A.6. Conducted Emissions

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+UWB TX

Test voltage: AC 120V/60Hz

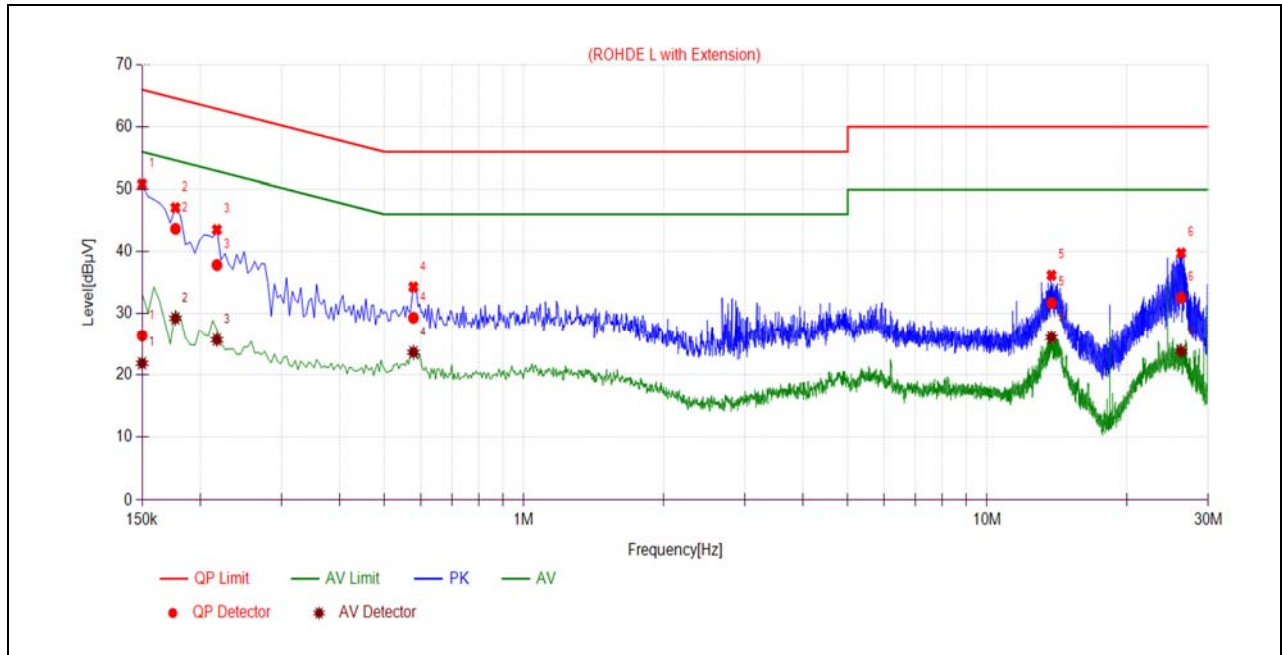
The measurement results are obtained as below:

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

U_R : Receiver Reading

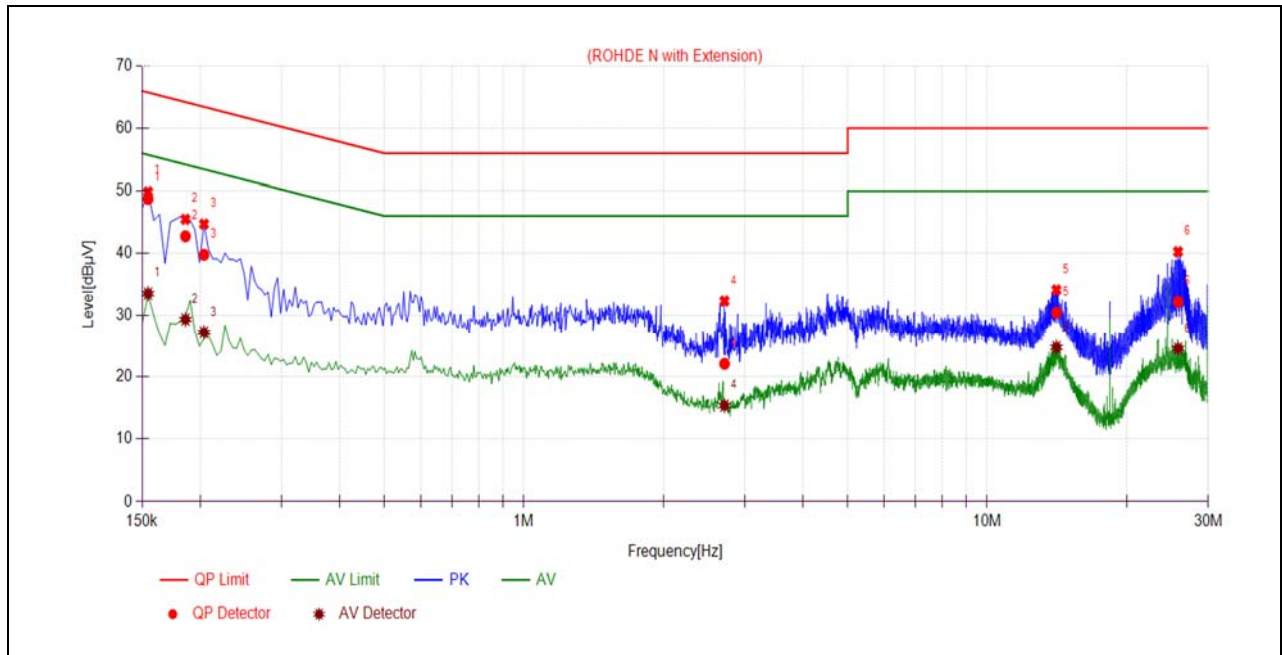
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1500	26.38	21.90	66.00	56.00	Line	PASS
2	0.1770	43.69	29.25	64.63	54.63		PASS
3	0.2175	37.86	25.70	62.91	52.91		PASS
4	0.5775	29.34	23.67	56.00	46.00		PASS
5	13.7706	31.72	26.08	60.00	50.00		PASS
6	26.2231	32.59	23.83	60.00	50.00		PASS



(N Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1545	48.74	33.56	65.75	55.75	Neutral	PASS
2	0.1860	42.77	29.40	64.21	54.21		PASS
3	0.2040	39.79	27.27	63.45	53.45		PASS
4	2.7107	22.13	15.39	56.00	46.00		PASS
5	14.1104	30.50	24.80	60.00	50.00		PASS
6	25.8247	32.25	24.60	60.00	50.00		PASS

————— END OF REPORT —————