



REPORT No.: SZ25020263W02

TEST REPORT

APPLICANT : Linkplay Technology Inc.

PRODUCT NAME : WiiM Amp Ultra

MODEL NAME : AMP003

BRAND NAME : WiiM

FCC ID : 2BABF-AMP003

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2025-03-19

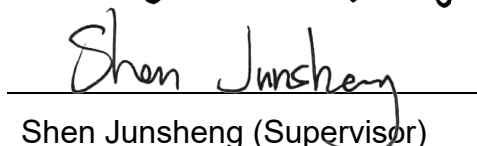
TEST DATE : 2025-04-15 to 2025-05-09

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Change History		
Version	Date	Reason for change
1.0	2025-05-19	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	N/A _{Note1}	N/A
2	15.247(a) 15.247(h)	Hopping Mechanism	N/A	N/A	N/A _{Note1}	N/A
3	15.247(a)	Number of Hopping Frequency	N/A	N/A	N/A _{Note1}	N/A
4	ANSI C63.10	Duty Cycle	N/A	N/A	N/A _{Note1}	N/A
5	15.247(b)	Maximum Peak Conducted Output Power	N/A	N/A	N/A _{Note1}	N/A
6	15.247(b)	Maximum Average Conducted Output Power	N/A	N/A	N/A _{Note1}	N/A
7	15.247(a)	20dB Bandwidth	N/A	N/A	N/A _{Note1}	N/A
8	15.247(a)	Carrier Frequency Separation	N/A	N/A	N/A _{Note1}	N/A
9	15.247(a)	Time of Occupancy (Dwell time)	N/A	N/A	N/A _{Note1}	N/A
10	15.247(d)	Conducted Spurious Emission	N/A	N/A	N/A _{Note1}	N/A
11	15.207	Conducted Emission	May 09, 2025	Fan Shengquan	PASS	No deviation
12	15.247(d)	Restricted Frequency Bands	Apr. 09, 2025	Gao Jianrou	PASS	No deviation
13	15.209,	Radiated	Apr. 23, 2025	Gao Jianrou	PASS	No deviation



	15.247(d)	Emission				
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Note 1: The test results of all conducted test items please refer to the module FCC test report (Report No.: SZ24040154W02), which issued on Jul. 26, 2024.

Note 2: The tests were performed according to the method of measurements prescribed in ANSI C63.10-2013, KDB 558074 D01 v05r02 and DA 00-075.

Note 3: 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 4: 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 Emission Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2025.01.06	2026.01.05
LISN	8127449	NSLK 8127	Schwarzbeck	2025.01.09	2026.01.08
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	2024.07.02	2025.07.01

1.2.2 List of Software Used

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

**1.2.3 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	2024.07.03	2025.07.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2024.07.03	2025.07.02
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.04.19	2028.04.18
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.11.30	2025.11.29



1.3. Measurement Uncertainty

Test Items	Uncertainty	Remark
Restricted Frequency Bands	±5%	Confidence levels of 95%
Radiated Emission	±2.95dB	Confidence levels of 95%
Conducted Emission	±2.44dB	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	Linkplay Technology Inc.
Applicant Address	8000 Jarvis Avenue Suite #130, Newark, CA 94560
Manufacturer	Linkplay Technology Inc.
Manufacturer Address	8000 Jarvis Avenue Suite #130, Newark, CA 94560

2.2. Information of EUT

Product Name:	WiiM Amp Ultra
Sample No.:	4#, 25#
Hardware Version:	A98D V02+Main Board V02
Software Version:	Linkplay.5.2.708867
Equipment Type:	Bluetooth classic
Bluetooth Version:	5.3
Modulation Type:	FHSS (GFSK(1Mbps), $\pi/4$ -DQPSK(EDR 2Mbps), 8-DPSK(EDR 3Mbps))
Operating Frequency Range:	2402MHz-2480MHz
Antenna Type:	PIFA Antenna
Antenna Gain:	ANT1: 3.46dBi; ANT2: 3.46dBi

Note 1: The test results of all conducted test items please refer to the module FCC test report (Report No.: SZ24040154W02), which issued on Jul. 26, 2024. We only recorded the radiated test result in this report.

Note 2: The EUT has two antennas and it operates in single antenna. Both of the two antennas were evaluated separately, only the worst test result (ANT2) were recorded in the test report.

Note 3: We use the dedicated software to control the EUT continuous transmission.

Note 4: 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	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461		

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

2.4. Test Configuration of EUT

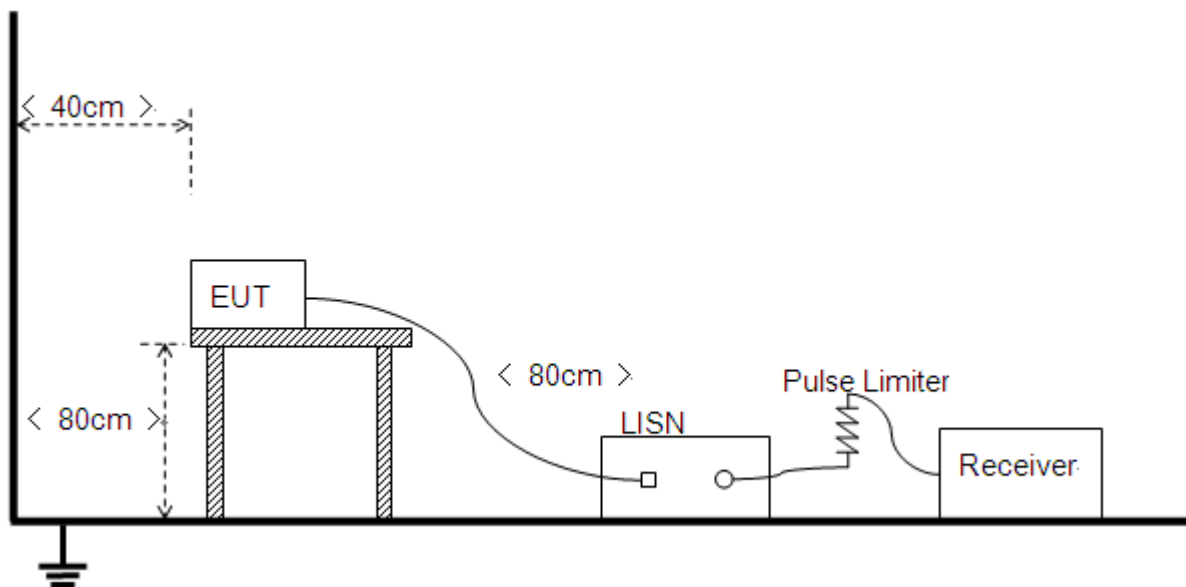
Test mode is used to control the EUT under the maximum power level during test.

2.5. Test Conditions

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

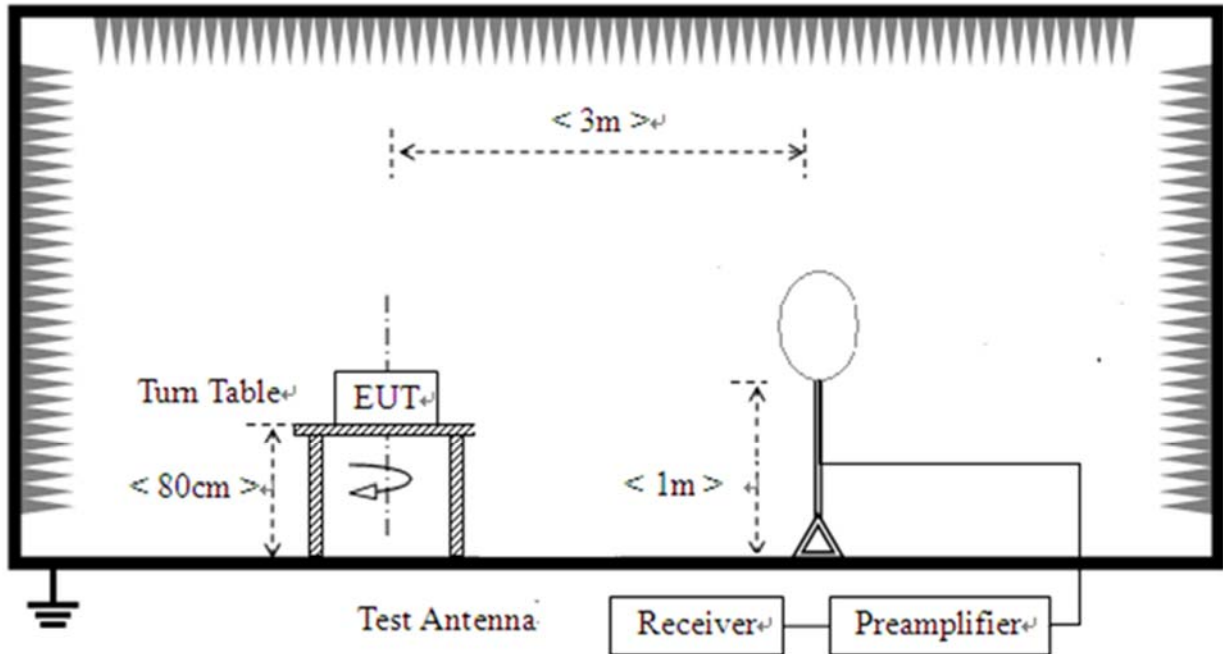
2.6. Test Setup Layout Diagram

2.6.1. Conducted Emission Measurement

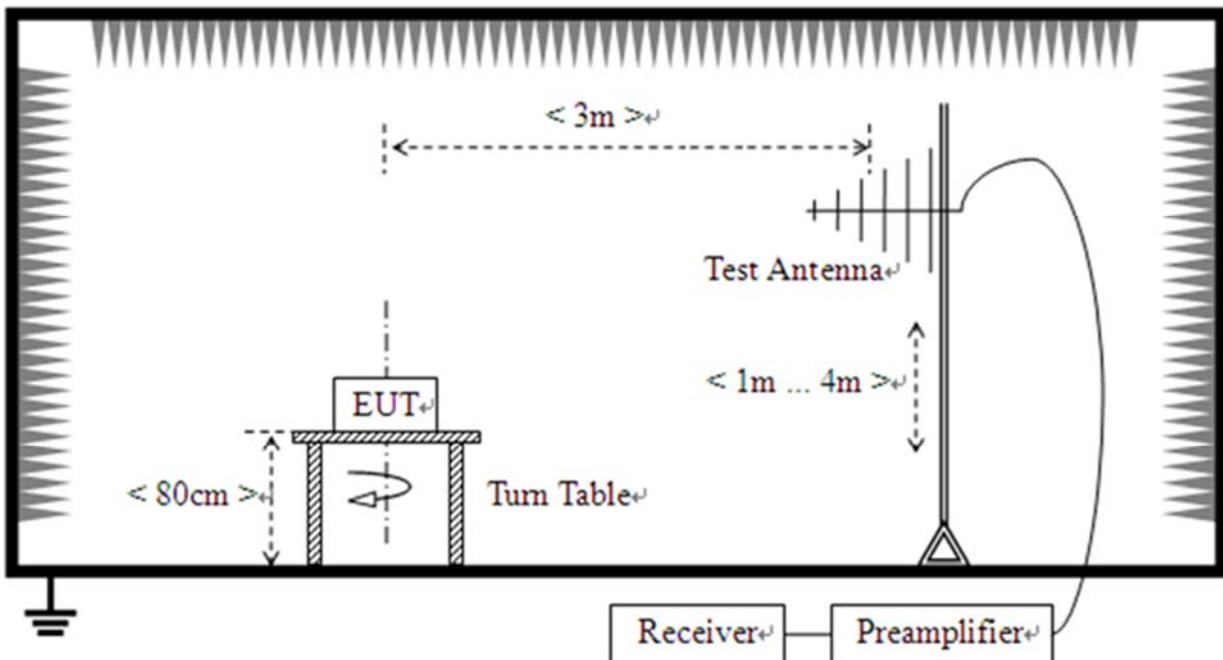


2.6.2.Radiation Measurement

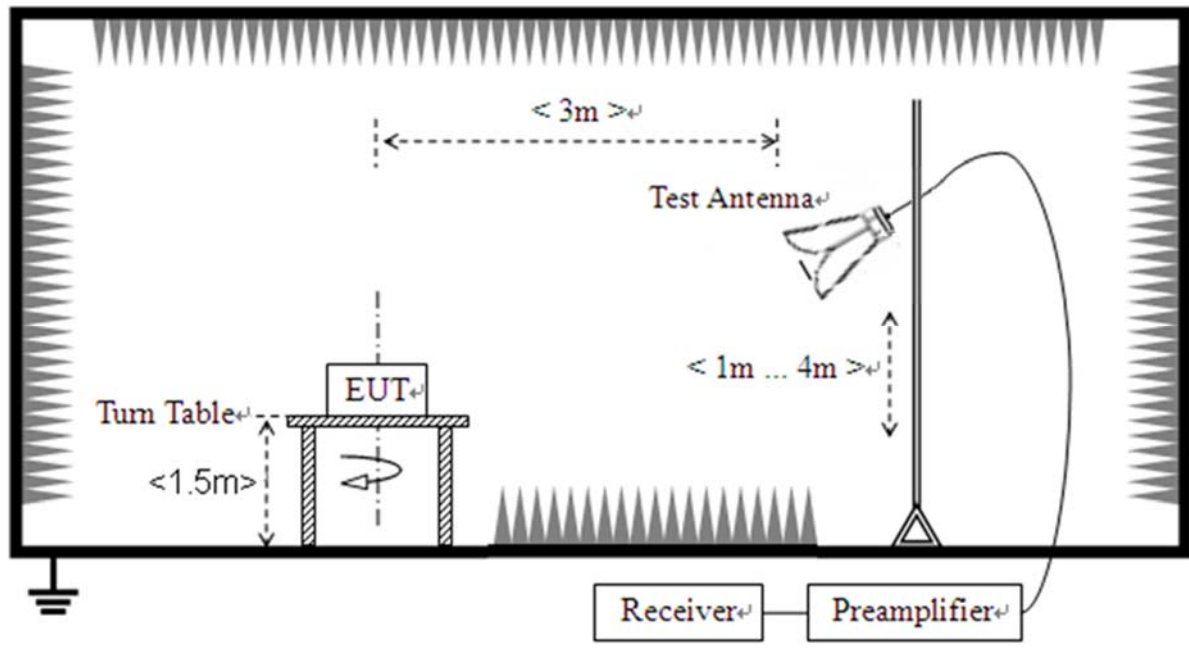
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to 1GHz



3) For radiated emissions above 1GHz



3. Test Results

3.1. Conducted Emission

3.1.1. 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.

3.1.2. 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.

3.1.3. Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.1.4. Test Result

Refer to Annex A.1 in this report.

3.2. Restricted Frequency Bands

3.2.1. 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).

3.2.2. 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

3.2.3. Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.2.4. Test Result

Refer to Annex A.2 in this report.

3.3. Radiated Emission

3.3.1. 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).



3.3.2.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.

3.3.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.3.4.Test Result

Refer to Annex A.3 in this report.



Annex A Test Data and Result

A.1. 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+TV+HDMI cable+Load+Fiber box+Mobile phone+Audio+U disk+BT TX

Test voltage: AC 120V/60Hz

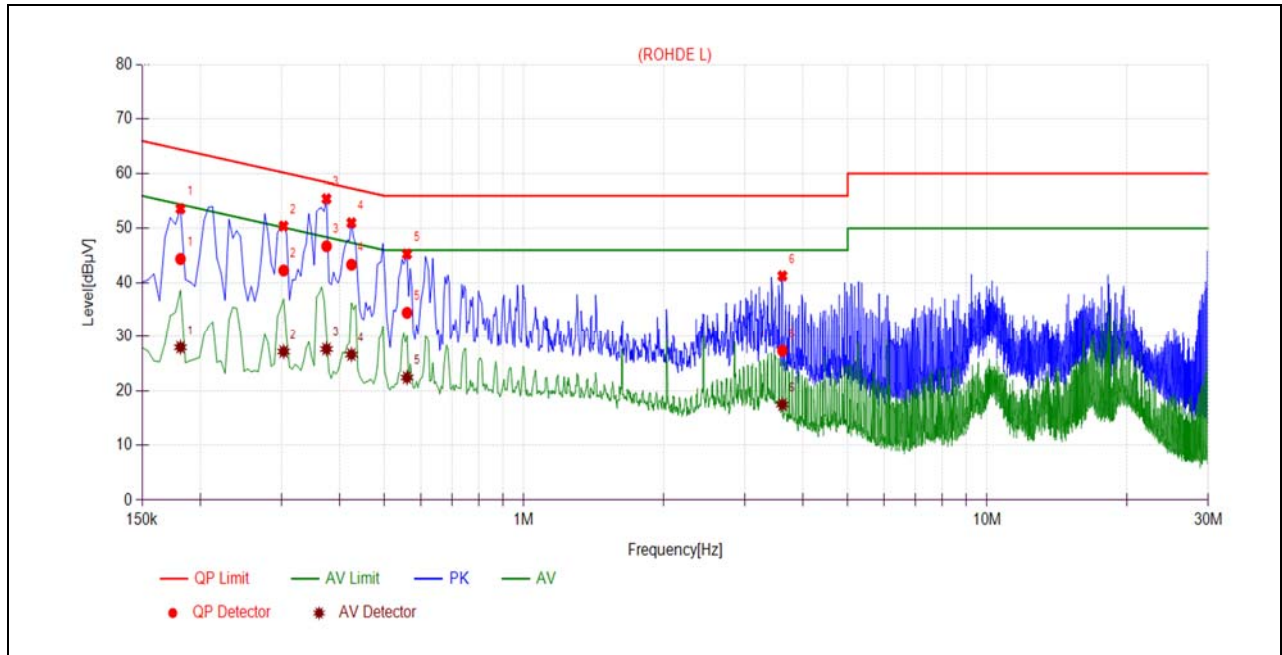
The measurement results are obtained as below:

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

U_R : Receiver Reading

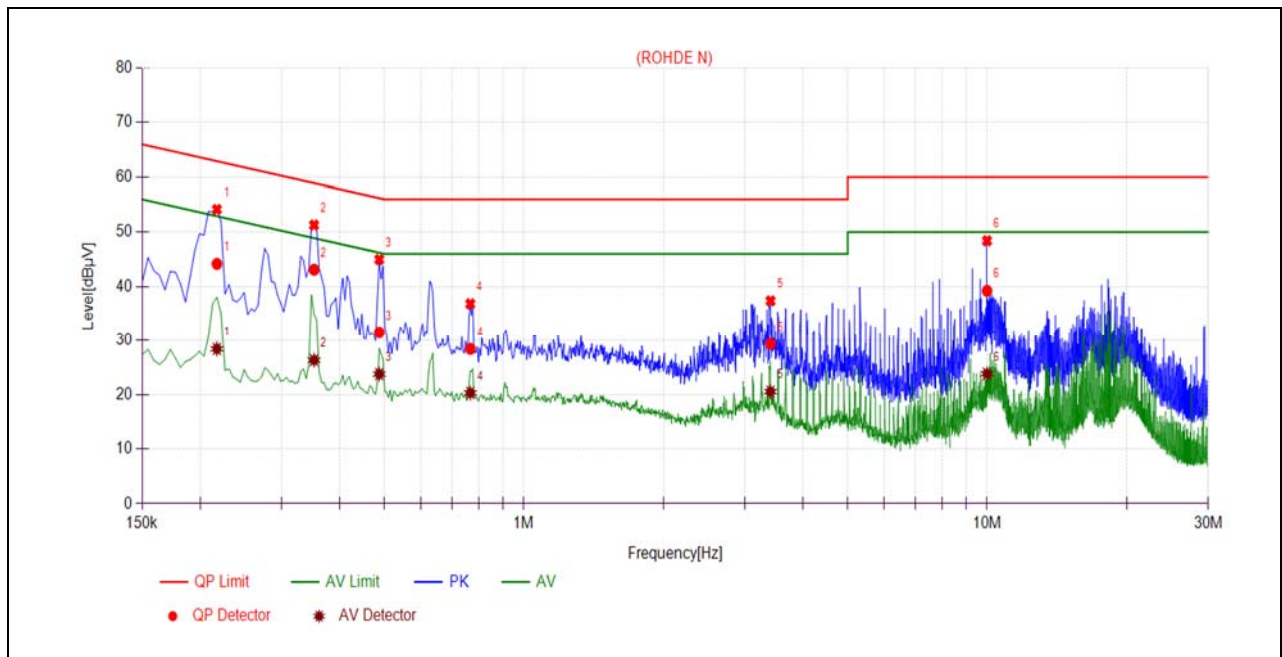
A_{Factor} : Voltage division factor of LISN

B. Test Plot:



(L Phase)

No.	Fre. (MHz)	Emission Level (dBμV)		Limit (dBμV)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1815	44.37	27.97	64.42	54.42	Line	PASS
2	0.3030	42.26	27.17	60.16	50.16		PASS
3	0.3750	46.72	27.64	58.39	48.39		PASS
4	0.4245	43.32	26.62	57.36	47.36		PASS
5	0.5595	34.46	22.39	56.00	46.00		PASS
6	3.6152	27.34	17.45	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	0.2175	44.17	28.40	62.91	52.91	Neutral	PASS
2	0.3525	43.11	26.32	58.90	48.90		PASS
3	0.4875	31.51	23.76	56.21	46.21		PASS
4	0.7666	28.42	20.29	56.00	46.00		PASS
5	3.4077	29.35	20.52	56.00	46.00		PASS
6	9.9915	39.24	23.80	60.00	50.00		PASS

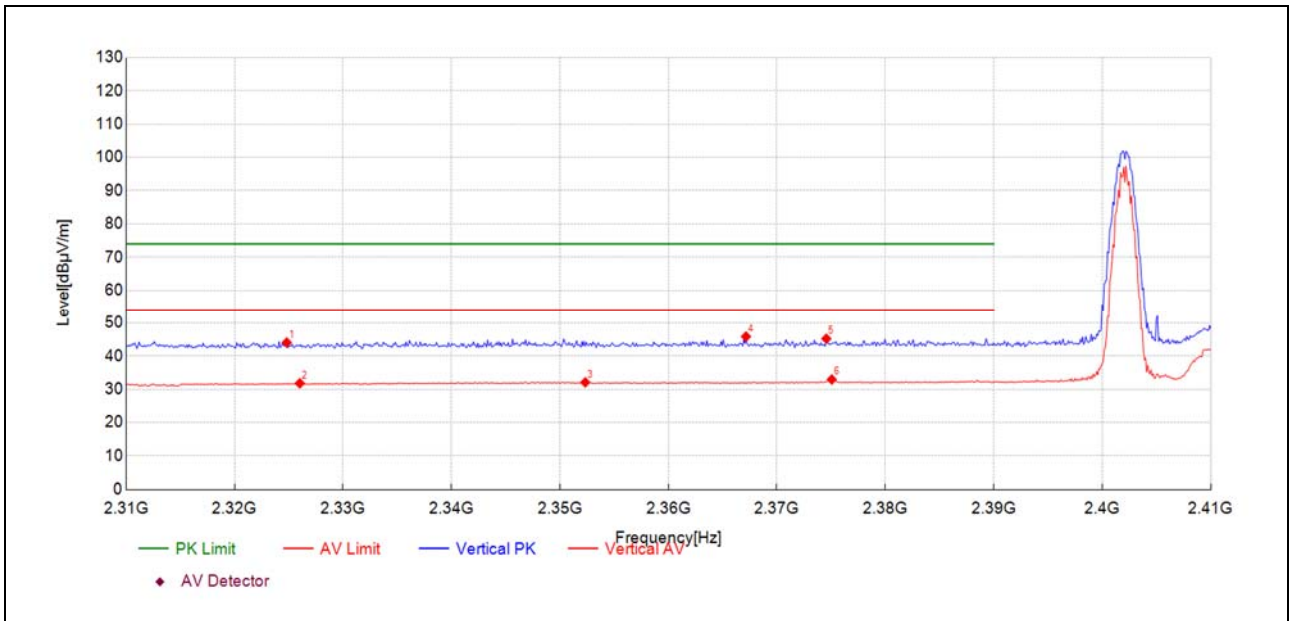
A.2. Restricted Frequency Bands

Note 1: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (Horizontal) was recorded in this test report.

Note 2: All test modes were considered and evaluated respectively by performing full test, only the worst data were recorded.

GFSK Mode

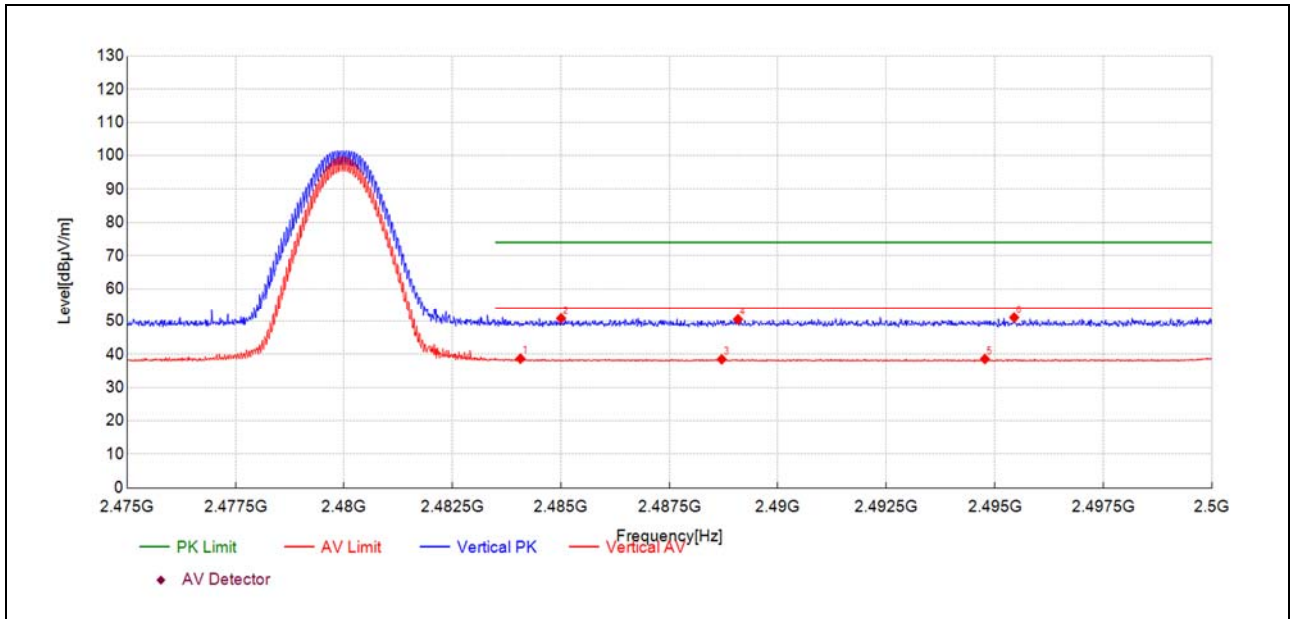
Plot for Channel 0



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2324.81	11.9	44.03	32.160	74.00	29.97	150	340	PK	PASS
2326.02	-0.4	31.77	32.170	54.00	22.23	150	11	AV	PASS
2352.34	-0.3	32.06	32.400	54.00	21.94	150	360	AV	PASS
2367.16	13.4	45.83	32.460	74.00	28.17	150	293	PK	PASS
2374.56	12.7	45.19	32.490	74.00	28.81	150	331	PK	PASS
2375.07	0.4	32.92	32.490	54.00	21.08	150	11	AV	PASS



Plot for Channel 78

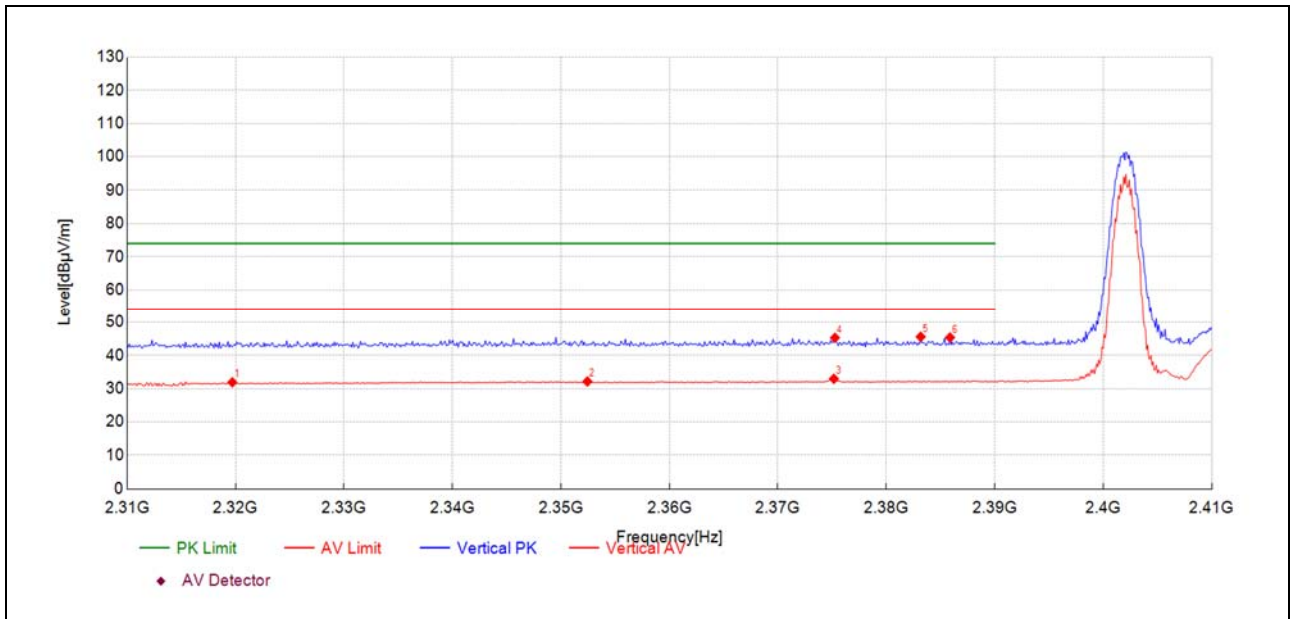


Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2484.07	5.6	38.67	33.030	54.00	15.33	150	144	AV	PASS
2485.01	17.8	50.82	33.030	74.00	23.18	150	236	PK	PASS
2488.71	5.5	38.47	33.020	54.00	15.53	150	144	AV	PASS
2489.08	17.5	50.51	33.020	74.00	23.49	150	172	PK	PASS
2494.77	5.6	38.56	33.010	54.00	15.44	150	337	AV	PASS
2495.45	18.1	51.06	33.010	74.00	22.94	150	204	PK	PASS



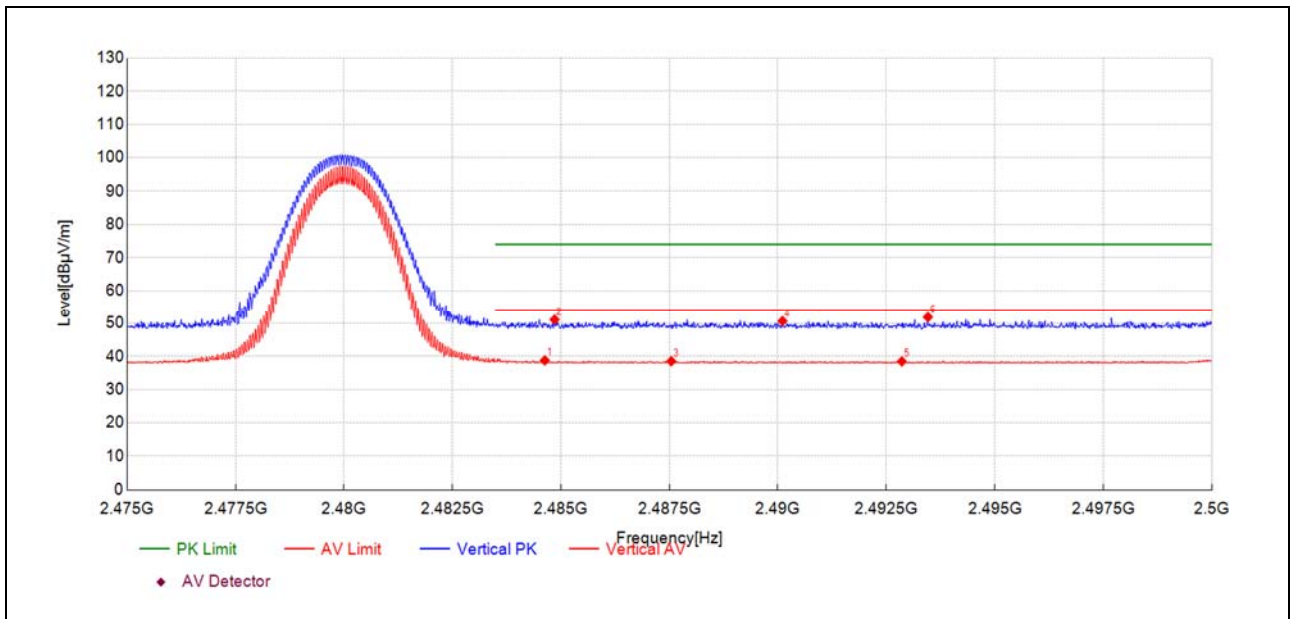
8-DPSK Mode

Plot for Channel 0



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2319.71	-0.2	31.88	32.110	54.00	22.12	150	243	AV	PASS
2352.44	-0.3	32.13	32.400	54.00	21.87	150	105	AV	PASS
2375.17	0.4	32.93	32.490	54.00	21.07	150	48	AV	PASS
2375.27	12.8	45.28	32.490	74.00	28.72	150	310	PK	PASS
2383.17	13.1	45.57	32.520	74.00	28.43	150	0	PK	PASS
2385.88	12.8	45.36	32.530	74.00	28.64	150	77	PK	PASS

Plot for Channel 78



Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
2484.63	5.7	38.74	33.030	54.00	15.26	150	177	AV	PASS
2484.85	18.0	51.06	33.030	74.00	22.94	150	0	PK	PASS
2487.54	5.5	38.51	33.020	54.00	15.49	150	108	AV	PASS
2490.11	17.6	50.62	33.020	74.00	23.38	150	279	PK	PASS
2492.86	5.4	38.45	33.010	54.00	15.55	150	350	AV	PASS
2493.46	18.8	51.81	33.010	74.00	22.19	150	258	PK	PASS



A.3. 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.

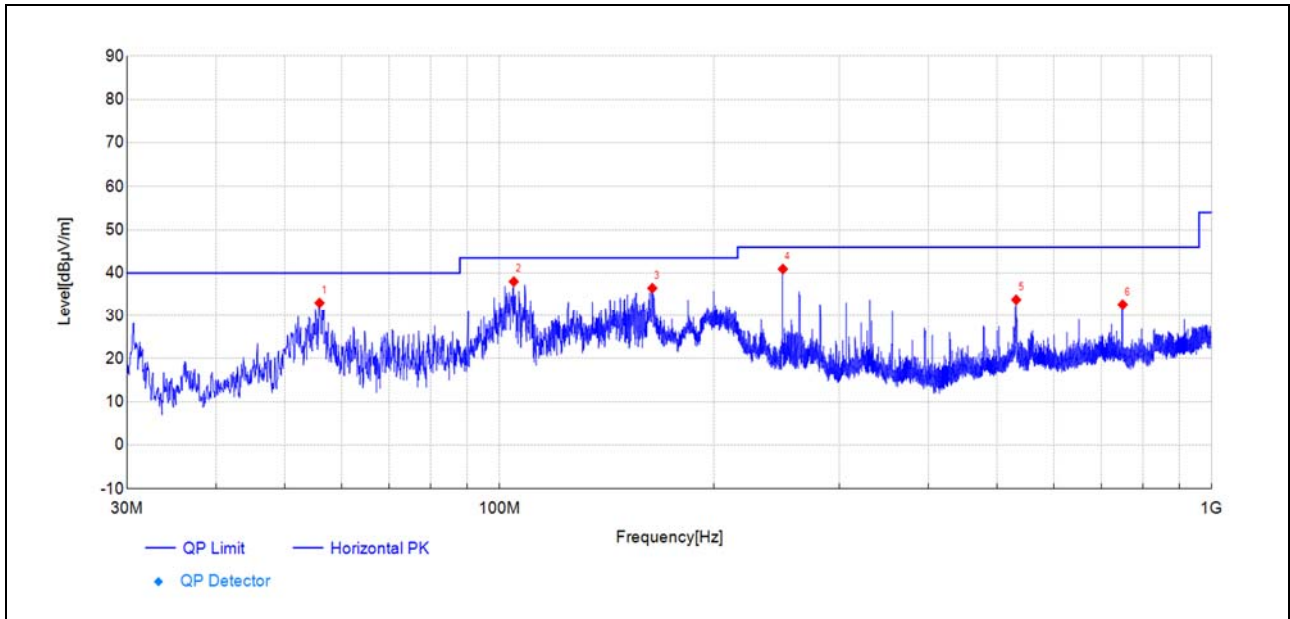
Note2: For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

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.

Note 4: All test modes were considered and evaluated respectively by performing full test, only the worst data were recorded.

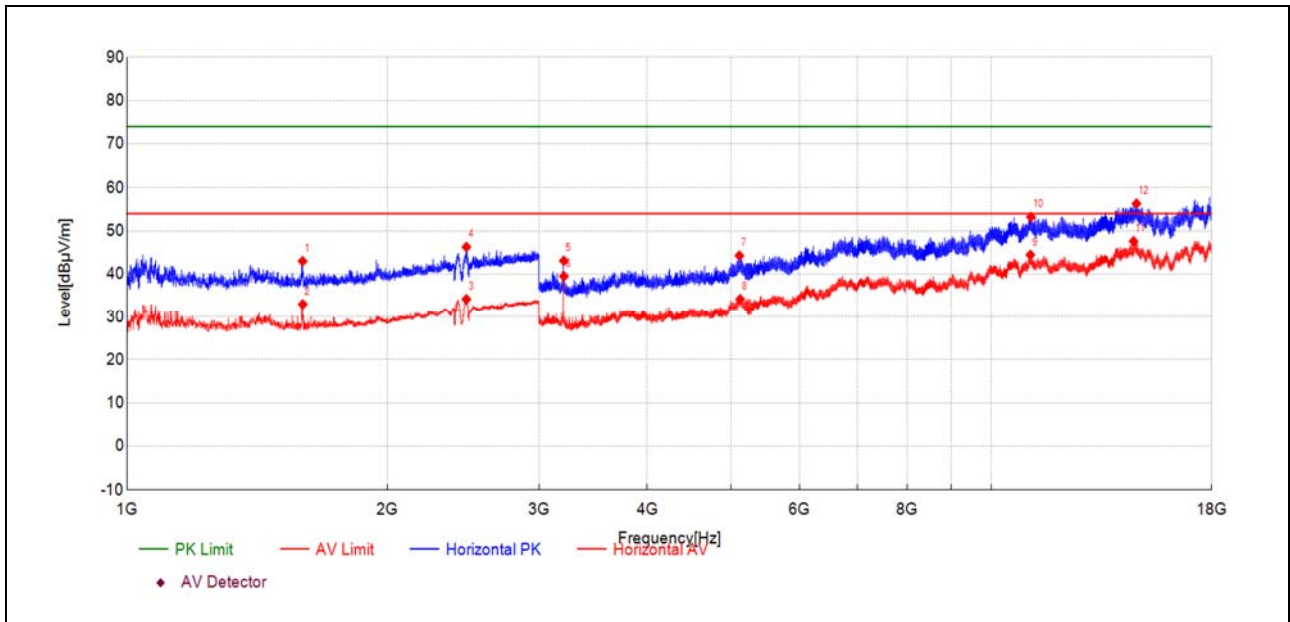
**GFSK Mode**

Plot for Channel 0



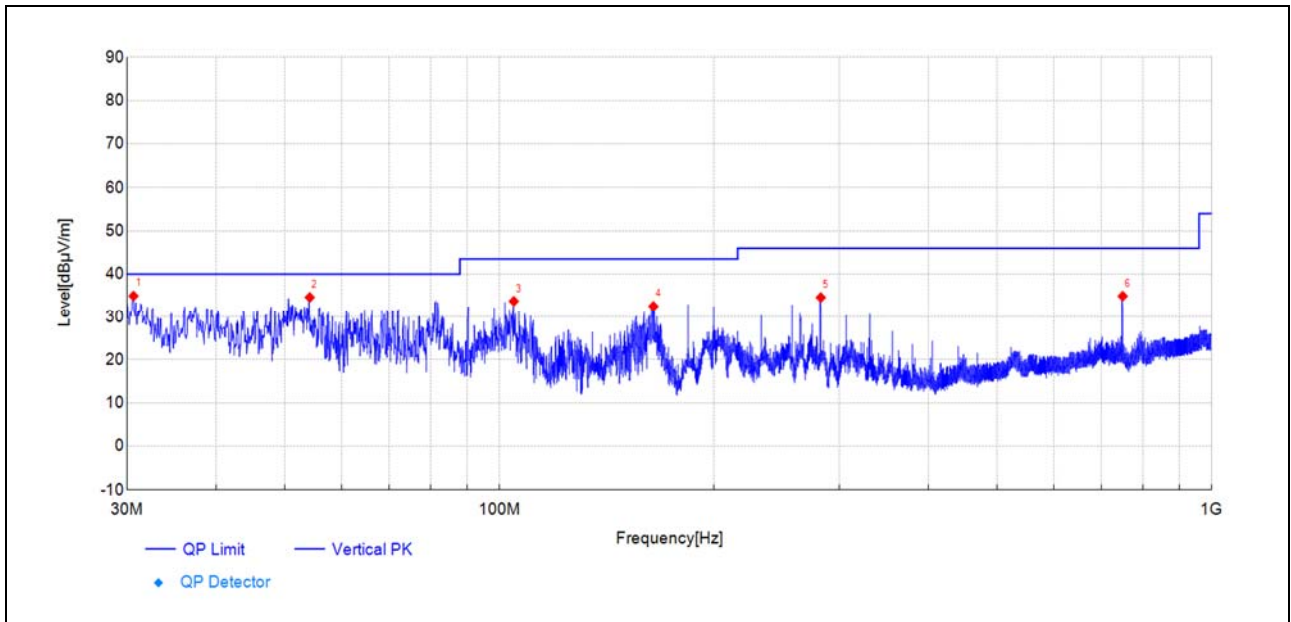
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
55.90	61.1	33.07	-28.020	40.00	6.93	150	330	PK	PASS
104.74	67.3	38.02	-29.300	43.50	5.48	150	302	PK	PASS
163.92	67.5	36.49	-31.050	43.50	7.01	150	188	PK	PASS
250.01	68.4	40.93	-27.490	46.00	5.07	150	351	PK	PASS
531.52	52.8	33.81	-18.950	46.00	12.19	150	139	PK	PASS
750.02	47.5	32.68	-14.840	46.00	13.32	150	266	PK	PASS



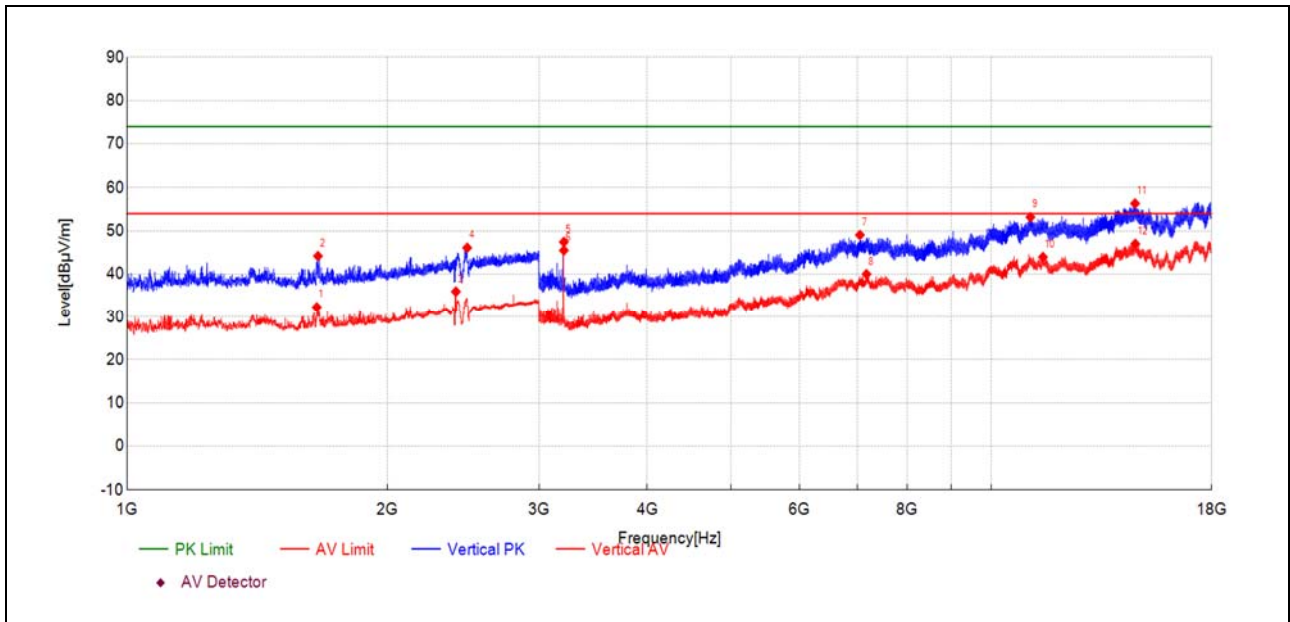
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1596.52	43.4	43.00	-0.420	74.00	31.00	150	39	PK	PASS
1596.92	33.4	32.99	-0.420	54.00	21.01	150	39	AV	PASS
2469.89	28.3	34.17	5.920	54.00	19.83	150	214	AV	PASS
2470.29	40.4	46.29	5.920	74.00	27.71	150	50	PK	PASS
3202.72	54.0	43.09	-10.880	74.00	30.91	150	104	PK	PASS
3203.15	50.4	39.50	-10.880	54.00	14.50	150	104	AV	PASS
5113.35	47.4	44.27	-3.130	74.00	29.73	150	239	PK	PASS
5123.63	37.2	34.20	-2.960	54.00	19.80	150	64	AV	PASS
11102.37	30.4	44.45	14.070	54.00	9.55	150	130	AV	PASS
11117.37	39.3	53.24	13.970	74.00	20.76	150	171	PK	PASS
14616.76	27.2	47.61	20.380	54.00	6.39	150	280	AV	PASS
14729.91	36.0	56.32	20.340	74.00	17.68	150	358	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

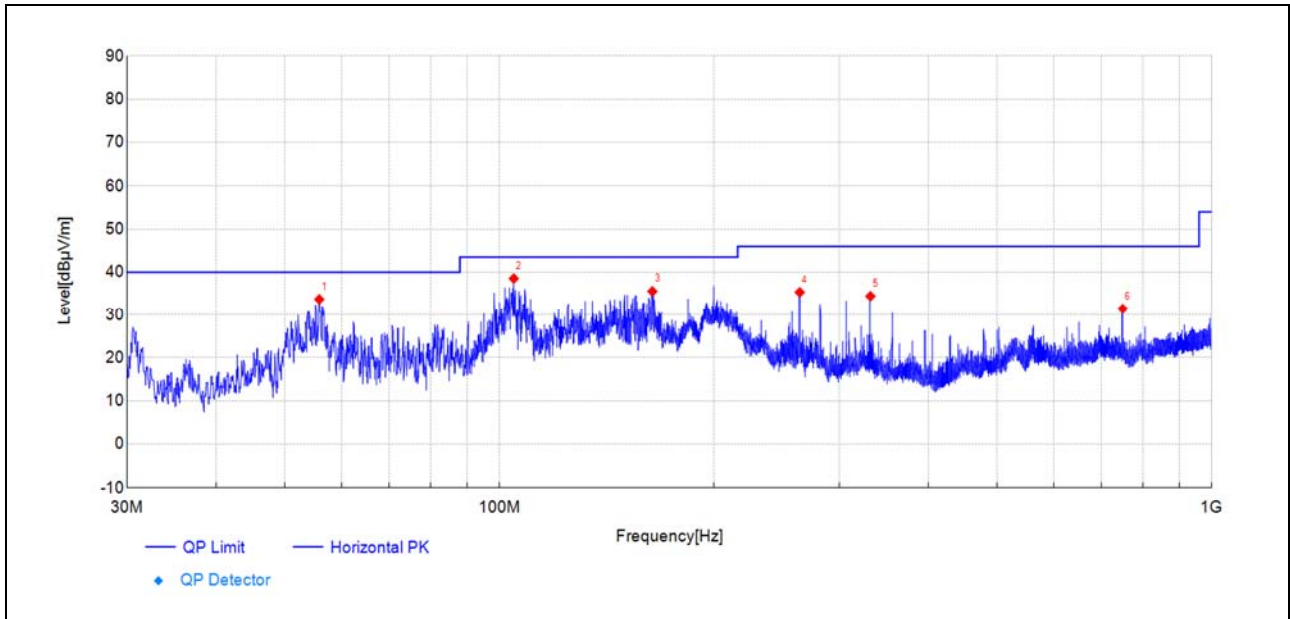
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
30.63	65.7	34.92	-30.750	40.00	5.08	150	188	PK	PASS
54.15	62.2	34.61	-27.590	40.00	5.39	150	300	PK	PASS
104.74	63.0	33.70	-29.300	43.50	9.80	150	125	PK	PASS
164.50	63.7	32.51	-31.220	43.50	10.99	150	40	PK	PASS
282.60	60.9	34.57	-26.310	46.00	11.43	150	245	PK	PASS
749.97	49.7	34.89	-14.840	46.00	11.11	150	188	PK	PASS



(Antenna Vertical, 1GHz to 18GHz)

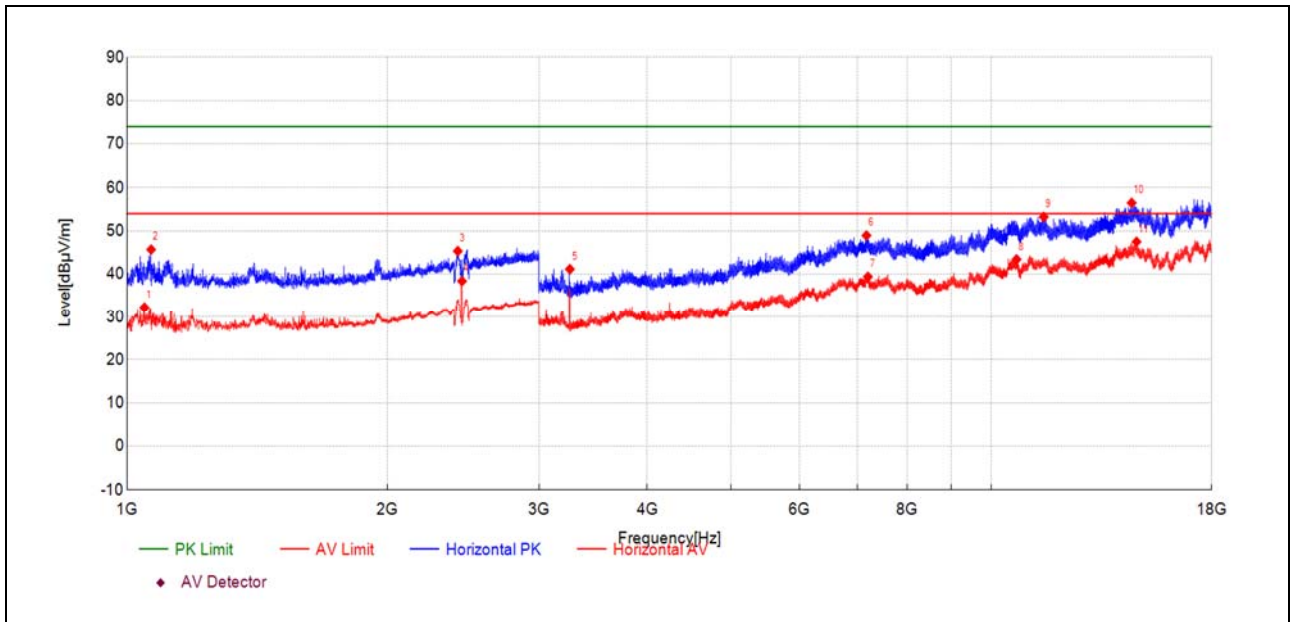
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1658.13	32.3	32.29	-0.010	54.00	21.71	150	133	AV	PASS
1663.33	44.2	44.18	0.020	74.00	29.82	150	133	PK	PASS
2402.28	30.7	35.93	5.250	54.00	18.07	150	143	AV	PASS
2475.50	40.2	46.10	5.910	74.00	27.90	150	105	PK	PASS
3202.72	58.3	47.43	-10.880	74.00	26.57	150	144	PK	PASS
3203.15	56.4	45.50	-10.880	54.00	8.50	150	144	AV	PASS
7049.26	44.7	49.06	4.350	74.00	24.94	150	64	PK	PASS
7173.98	35.1	39.99	4.850	54.00	14.01	150	144	AV	PASS
11104.52	39.1	53.20	14.060	74.00	20.80	150	185	PK	PASS
11480.39	29.7	43.95	14.230	54.00	10.05	150	211	AV	PASS
14674.19	35.8	56.34	20.530	74.00	17.66	150	331	PK	PASS
14683.19	26.4	46.99	20.560	54.00	7.01	150	265	AV	PASS

Plot for Channel 39



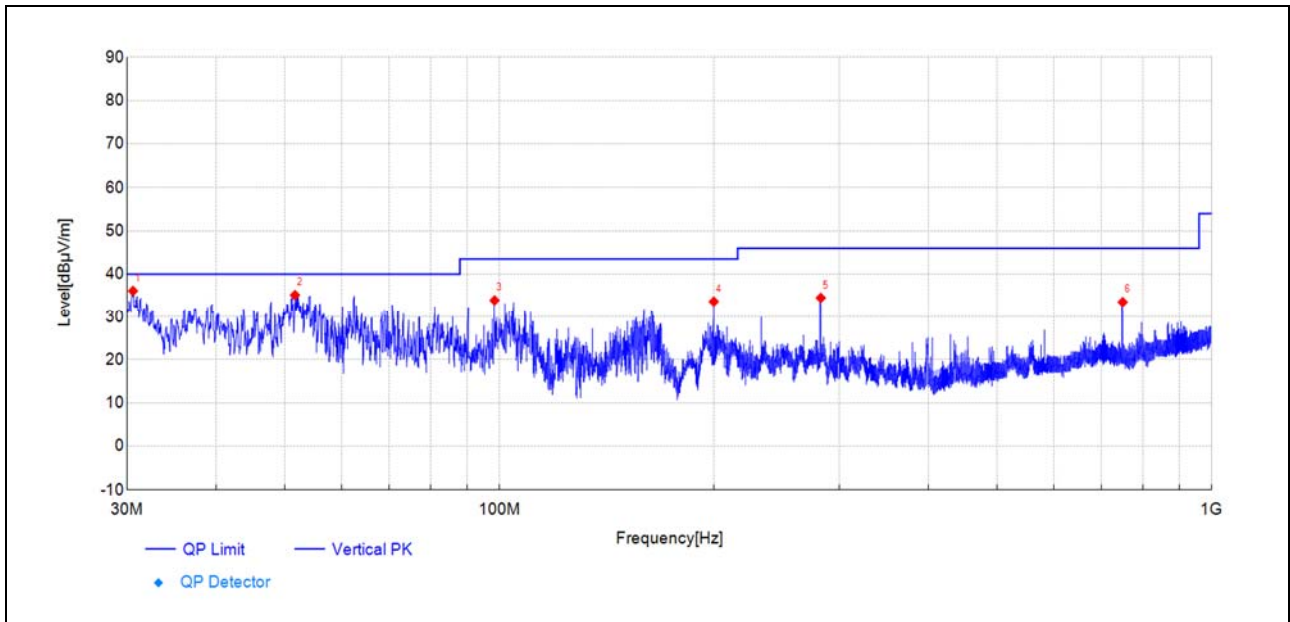
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
55.85	61.7	33.68	-28.010	40.00	6.32	150	358	PK	PASS
104.74	67.8	38.53	-29.300	43.50	4.97	150	313	PK	PASS
163.96	66.6	35.54	-31.040	43.50	7.96	150	171	PK	PASS
264.02	62.9	35.32	-27.550	46.00	10.68	150	9	PK	PASS
331.78	58.8	34.42	-24.390	46.00	11.58	150	178	PK	PASS
750.02	46.2	31.40	-14.840	46.00	14.60	150	236	PK	PASS



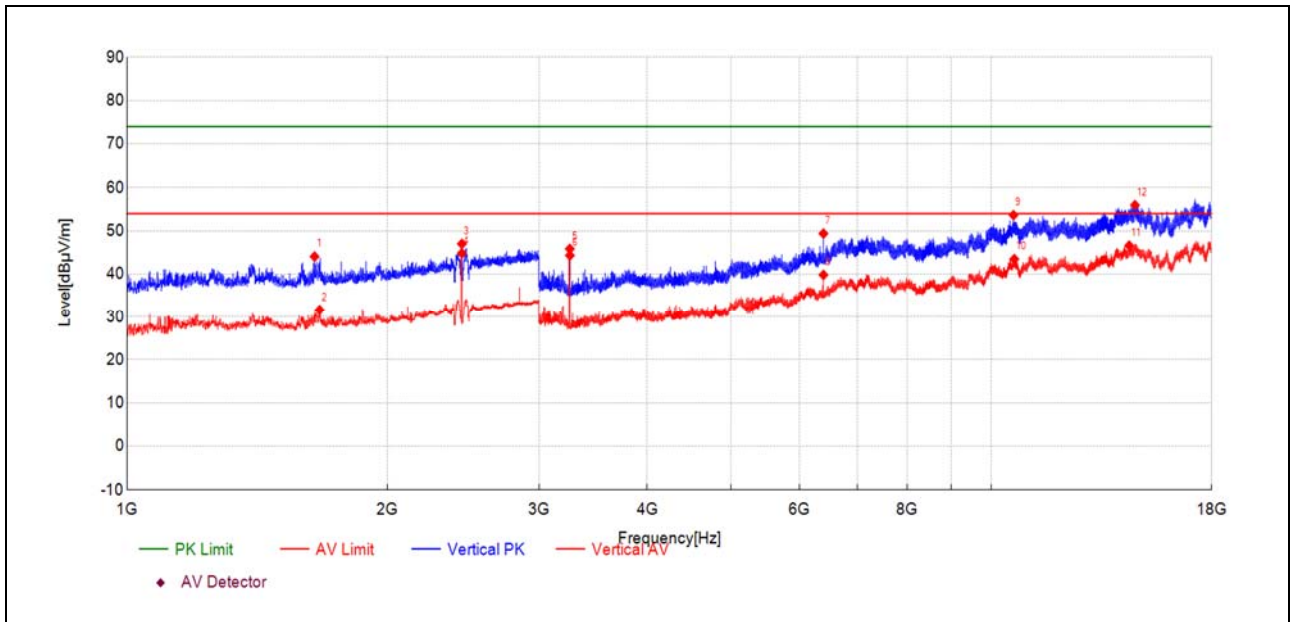
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1047.61	35.0	32.21	-2.760	54.00	21.79	150	351	AV	PASS
1066.41	48.3	45.69	-2.600	74.00	28.31	150	19	PK	PASS
2414.28	39.9	45.33	5.430	74.00	28.67	150	177	PK	PASS
2441.49	32.5	38.37	5.840	-	-	150	231	AV	NA
3254.58	52.5	41.15	-11.300	74.00	32.85	150	306	PK	PASS
7173.12	44.1	48.94	4.840	74.00	25.06	150	64	PK	PASS
7200.98	34.3	39.39	5.110	54.00	14.61	150	117	AV	PASS
10700.79	31.0	43.42	12.450	54.00	10.58	150	130	AV	PASS
11505.24	39.0	53.24	14.280	74.00	20.76	150	130	PK	PASS
14542.19	36.5	56.49	20.030	74.00	17.51	150	64	PK	PASS
14733.76	27.2	47.50	20.310	54.00	6.50	150	360	AV	PASS



(Antenna Vertical, 30MHz to 1GHz)

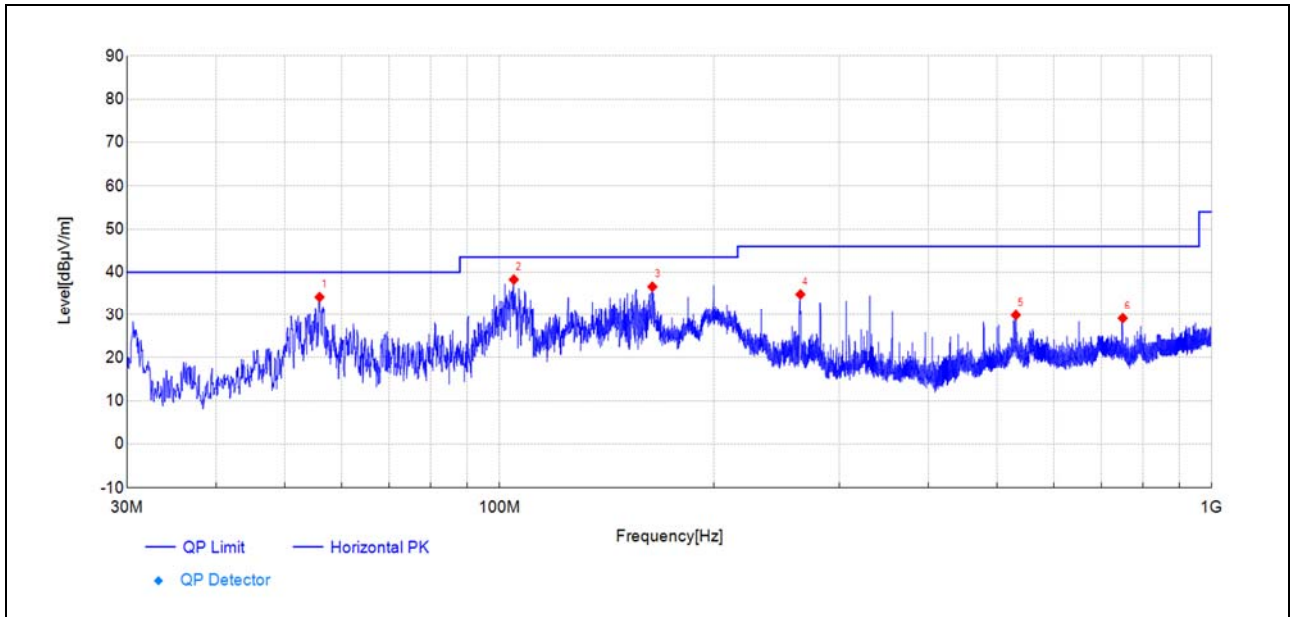
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
30.58	66.9	36.10	-30.750	40.00	3.90	150	130	PK	PASS
51.63	63.1	35.13	-28.010	40.00	4.87	150	345	PK	PASS
98.44	63.6	33.91	-29.690	43.50	9.59	150	186	PK	PASS
199.95	62.4	33.63	-28.780	43.50	9.87	150	45	PK	PASS
282.60	60.8	34.49	-26.310	46.00	11.51	150	258	PK	PASS
750.02	48.4	33.51	-14.840	46.00	12.49	150	115	PK	PASS



(Antenna Vertical, 1GHz to 18GHz)

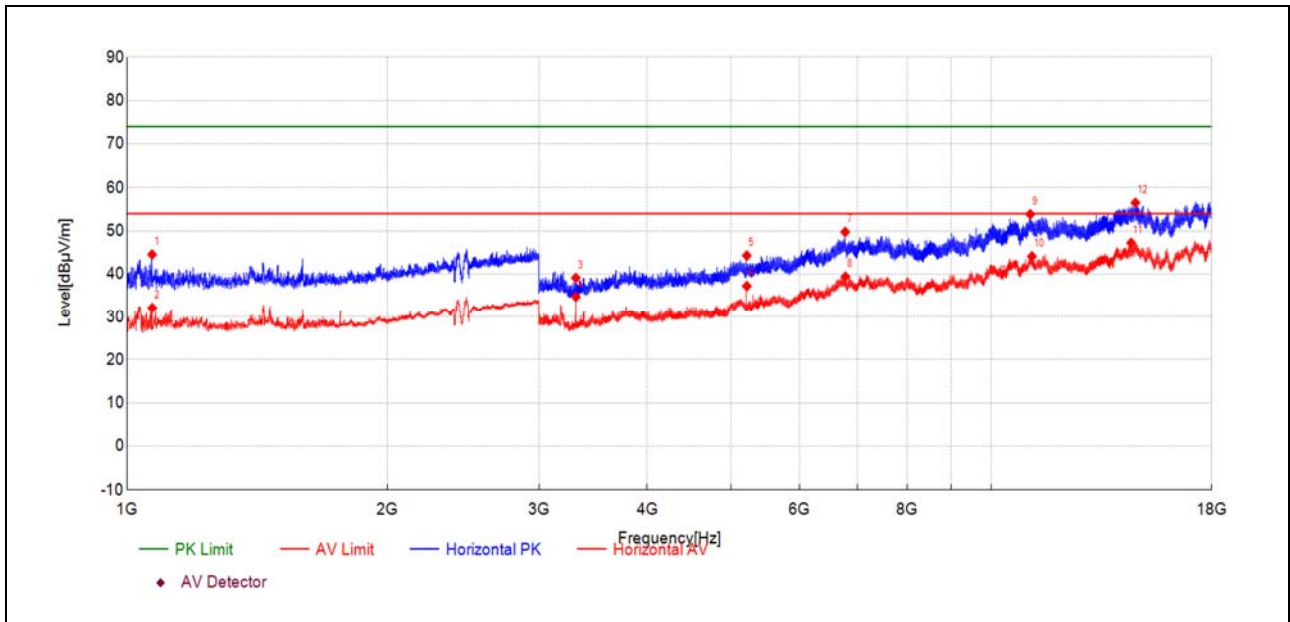
Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1648.13	44.2	44.08	-0.080	74.00	29.92	150	150	PK	PASS
1670.93	31.6	31.62	0.060	54.00	22.38	150	128	AV	PASS
2440.69	41.2	47.01	5.830	-	-	150	155	PK	NA
2441.49	39.0	44.85	5.840	-	-	150	155	AV	NA
3254.58	57.2	45.85	-11.300	74.00	28.15	150	146	PK	PASS
3255.01	55.6	44.33	-11.300	54.00	9.67	150	146	AV	PASS
6396.10	48.4	49.39	1.010	74.00	24.61	150	9	PK	PASS
6396.53	38.8	39.83	1.010	54.00	14.17	150	9	AV	PASS
10614.65	41.5	53.65	12.140	74.00	20.35	150	267	PK	PASS
10636.50	31.3	43.49	12.230	54.00	10.51	150	348	AV	PASS
14448.33	27.4	46.60	19.220	54.00	7.40	150	37	AV	PASS
14669.48	35.5	55.97	20.520	74.00	18.03	150	187	PK	PASS

Plot for Channel 78



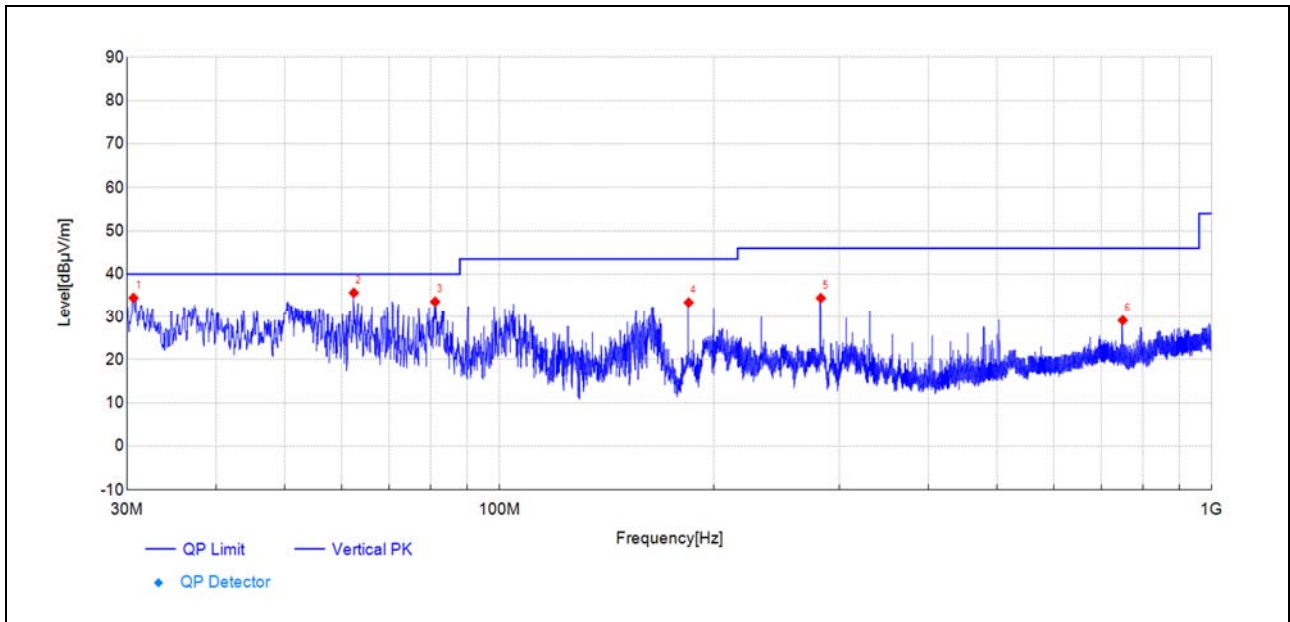
(Antenna Horizontal, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
55.90	62.3	34.23	-28.020	40.00	5.77	150	344	PK	PASS
104.74	67.6	38.29	-29.300	43.50	5.21	150	324	PK	PASS
163.96	67.7	36.64	-31.040	43.50	6.86	150	190	PK	PASS
264.56	62.3	34.85	-27.480	46.00	11.15	150	1	PK	PASS
530.93	48.8	29.85	-18.930	46.00	16.15	150	324	PK	PASS
750.02	44.0	29.13	-14.840	46.00	16.87	150	217	PK	PASS



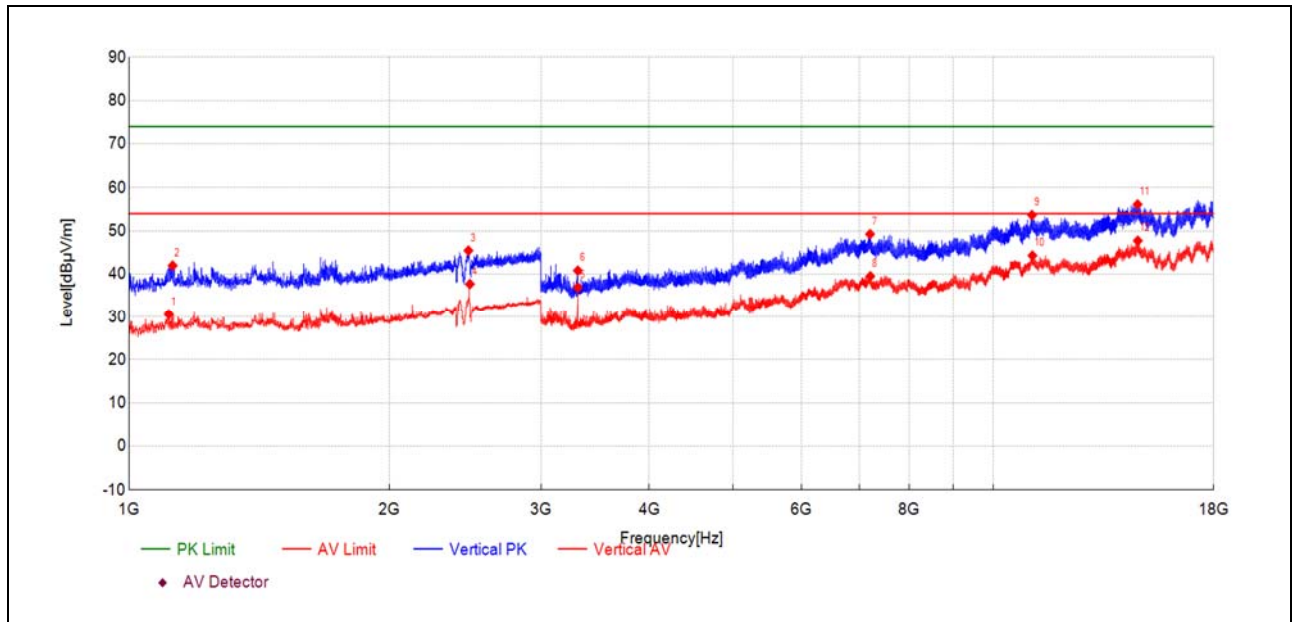
(Antenna Horizontal, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1069.21	47.1	44.55	-2.580	74.00	29.45	150	18	PK	PASS
1069.61	34.7	32.11	-2.580	54.00	21.89	150	24	AV	PASS
3306.44	50.1	39.13	-11.000	74.00	34.87	150	332	PK	PASS
3306.87	45.7	34.71	-11.000	54.00	19.29	150	332	AV	PASS
5214.06	47.7	44.29	-3.420	74.00	29.71	150	9	PK	PASS
5214.92	40.6	37.23	-3.410	54.00	16.77	150	9	AV	PASS
6777.54	45.9	49.77	3.900	74.00	24.23	150	360	PK	PASS
6782.25	35.6	39.42	3.870	54.00	14.58	150	251	AV	PASS
11099.37	39.8	53.85	14.070	74.00	20.15	150	104	PK	PASS
11147.80	30.3	44.12	13.790	54.00	9.88	150	319	AV	PASS
14521.61	27.3	47.24	19.920	54.00	6.76	150	9	AV	PASS
14687.48	36.0	56.52	20.570	74.00	17.48	150	332	PK	PASS



(Antenna Vertical, 30MHz to 1GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
30.63	65.2	34.48	-30.750	40.00	5.52	150	147	PK	PASS
62.45	64.4	35.66	-28.750	40.00	4.34	150	110	PK	PASS
81.22	65.7	33.59	-32.060	40.00	6.41	150	54	PK	PASS
184.33	63.5	33.39	-30.090	43.50	10.11	150	230	PK	PASS
282.60	60.8	34.44	-26.310	46.00	11.56	150	265	PK	PASS
750.02	44.0	29.13	-14.840	46.00	16.87	150	68	PK	PASS



(Antenna Vertical, 1GHz to 18GHz)

Fre. (MHz)	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Detector	Verdict
1111.62	32.8	30.58	-2.260	54.00	23.42	150	138	AV	PASS
1123.22	44.1	41.97	-2.160	74.00	32.03	150	133	PK	PASS
2470.29	39.5	45.44	5.920	74.00	28.56	150	231	PK	PASS
2480.30	31.8	37.69	5.890	-	-	150	149	AV	NA
3306.87	47.9	36.90	-11.000	54.00	17.10	150	63	AV	PASS
3306.87	51.8	40.82	-11.000	74.00	33.18	150	171	PK	PASS
7203.98	44.2	49.26	5.060	74.00	24.74	150	347	PK	PASS
7209.12	34.5	39.51	4.980	54.00	14.49	150	63	AV	PASS
11091.23	39.7	53.66	13.970	74.00	20.34	150	292	PK	PASS
11105.37	30.2	44.28	14.040	54.00	9.72	150	212	AV	PASS
14693.91	35.6	56.13	20.580	74.00	17.87	150	89	PK	PASS
14703.76	27.2	47.73	20.570	54.00	6.27	150	332	AV	PASS

————— END OF REPORT —————