

TEST REPORT

Application No: SUCR2510001025WM
Applicant: COOSEA GROUP (HK) COMPANY LIMITED
Address of Applicant: UNIT 5-6 16/F MULTIFIELD PLAZA 3-7A PRAT AVENUE TSIMSHATSUI KL
Manufacturer: COOSEA GROUP (HK) COMPANY LIMITED
Address of Manufacturer: UNIT 5-6 16/F MULTIFIELD PLAZA 3-7A PRAT AVENUE TSIMSHATSUI KL
EUT Description: Smart Phone
Model No.: SN512CC
FCC ID: 2A28USN512CC
Standard(s): FCC 47 CFR Part 15, Subpart B
Date of Receipt: 2025-10-22
Date of Test: 2025-11-22 to 2026-03-16
Date of Issue: 2026-03-16

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

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Version

Revision Record			
Version	Description	Date	Remark
01	Original	2026-03-16	/

Authorized for issue by:				
Tested By		<i>Nature Shen</i>		
		Nature Shen / Project Manager		
Approved By		<i>Cedar cheng</i>		
		Cedar Cheng/Technical Manager		

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1 Test Summary

Emission Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	FCC 47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass
Radiated Emissions (30MHz-1GHz)	FCC 47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass
Radiated Emissions (above 1GHz)	FCC 47 CFR Part 15, Subpart B	ANSI C63.4:2014	Class B	Pass

Internal Source	Upper Frequency
Below 1.705MHz	30MHz
1.705MHz to 108MHz	1GHz
108MHz to 500MHz	2GHz
500MHz to 1GHz	5GHz
Above 1GHz	5th harmonic of the highest frequency or 40GHz, whichever is lower

Remark:

This test report (Report No.: SUCR251000102501 issue on 2026-03-16) is based on the original test report (Report No.: SUCR250400032301 issue on 2025/06/12).

Review this report and original report, this report just changing the parts according to the declaration letter from client.

Considering to the difference, pre-scan were performed on the sample in this report to find the items which can be influential to the result in the original test report for fully retest.

Therefore in this report Conducted Emissions and Radiated Emissions was performed based on the worst case of the original report with report number SUCR250400032301 issue on 2025/06/12 and other test data in this report are based on the previous report with report number SUCR250400032301 issue on 2025/06/12.

2 General Information

Hardware Version:	1.0		
Software Version:	SN512CCC10008		
IMEI:	352939250003475		
Frequency Bands:	Band	Tx (MHz)	Rx (MHz)
	WCDMA Band II	1850~1910	1930~1990
	WCDMA Band IV	1710~1755	2110~2155
	WCDMA Band V	824~849	869~894
	LTE Band 2	1850~1910	1930~1990
	LTE Band 4	1710~1755	2110~2155
	LTE Band 5	824~849	869~894
	LTE Band7	2500~2570	2620~2690
	LTE Band 12	699~716	729~746
	LTE Band 14	788~798	746~756
	LTE Band 17	704~716	734~746
	LTE Band 30	2305~2315	2350~2360
	LTE Band 66	1710~1780	2110~2200
	NR Band n2	1850~1910	1930~1990
	NR Band n5	824~849	869~894
	NR Band n30	2305~2315	2350~2360
	NR Band n66	1710~1780	2110~2200
	NR Band n77	3450-3550	3450-3550
		3700-3980	3700-3980
	LTE CA:CA_2A-5A;CA_2A-12A;CA_2A-14A;CA_4A-12A; CA_5A-30A;CA_5A-66A;CA_12A-30A;CA_12A-66A;CA_14A-30A; CA_14A-66A;CA_5B;CA_66B;CA_66C ENDC:DC_5A_n2A;DC_12A_n2A;DC_14A_n2A;DC_30A_n2A; DC_66A_n2A;DC_2A_n5A;DC_30A_n5A;DC_66A_n5A; DC_2A_n30A;DC_5A_n30A;DC_12A_n30A;DC_14A_n30A; DC_66A_n30A;DC_2A_n66A;DC_5A_n66A;DC_12A_n66A; DC_14A_n66A;DC_30A_n66A;DC_2A_n77A;DC_5A_n77A; DC_30A_n77A;DC_66A_n77A;DC_12A_n77A;DC_14A_n77A; DC_66A_n66A;DC_2A_n2A;		
	Wi-Fi 2.4G	2412~2462	2412~2462
	Bluetooth	2402~2480	2402~2480
	Wi-Fi 5G	5150~5850	5150~5850
Remark: Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, SGS is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.			

Accessory:

Adapter	Model No.	Manufacturer
Power Adapter	UT-681A-5200A1Y	Shenzhen Baijunda Electronics Co., Ltd.
USB cable	01.07.11.00277	Hubei Weiwangda Electronics Co., Ltd.

2.1 Description of Support Units

Description	Manufacturer	Model No.	Inventory No.
Router	Smauwave Technology Co.,Ltd	SRT 421	SUWI-04-34-01
Computer	Lenovo	T14	SUWI-03-33-04
Earphones	oppo	oppo Earphones	N/A

2.2 Test Location

All tests were performed at:

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	King-p Li

2.3 Test Facility

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

• A2LA (Certificate No. 6336.01)

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

• Innovation, Science and Economic Development Canada

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

• FCC –Designation Number: CN1312

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory.

Designation Number: CN1312.

Test Firm Registration Number: 717327

2.4 Deviation from Standards

None

2.5 Abnormalities from Standard Conditions

None

3 Equipment List

CE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026
				1/14/2026	1/13/2027
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2/13/2025	2/12/2026
				1/15/2026	1/14/2027
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-03	5/8/2025	5/7/2026
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-04	5/8/2025	5/7/2026
Measurement Software	Tonscend	JS32-CE 4.0.0.2	SUWI-02-09-05	NCR	NCR
Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	11/20/2025	11/19/2026
Radio Communication Analyzer	StarPoint	SP9500E	SUWI-01-28-06	11/21/2025	11/20/2026

RE Test System					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	6/3/2023	6/02/2026
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2/13/2025	2/12/2026
				2/11/2026	2/10/2027
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/20/2025	1/19/2026
				1/14/2026	1/13/2027
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-07	11/20/2025	11/19/2026
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026
				1/14/2026	1/13/2027
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	8/22/2024	8/21/2026
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	5/7/2025	5/6/2027
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	5/7/2025	5/6/2027
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	1/16/2025	1/15/2026
				1/14/2026	1/13/2027
Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	1/16/2025	1/15/2026
				1/14/2026	1/13/2027
Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	1/20/2025	1/19/2026
				1/14/2026	1/13/2027
Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	11/20/2025	11/19/2026
Measurement Software	Tonscend	JS32-RE	SUWI-02-09-04	NCR	NCR
Measurement Software	Tonscend	V4.0.0.0	SUWI-02-09-04	NCR	NCR

4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Conduction Emission	± 2.9dB (150kHz to 30MHz)
2	Radiated Emission	± 4.8dB (30M -1GHz)
		± 4.8dB (1GHz to 18GHz)
		± 4.80dB (Above 18GHz)
Remark: The U_{lab} (lab Uncertainty) is less than U_{cispr/ETSI} (CISPR/ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.		

5 Emission Test Results

5.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement:	47 CFR Part 15, Subpart B		
Test Method:	ANSI C63.4:2014		
Frequency Range:	150kHz to 30MHz		
Receiver Setup:	RBW = 9kHz, VBW = 30kHz		
Limit:	Frequency Range (MHz)	Limit(dBμV)	
		Quasi-peak	average
	0.15M-0.5MHz	66 ~ 56*	56 ~ 46*
	0.5M-5MHz	56	46
	5M-30MHz	60	50
*Decreases with the logarithm of the frequency Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz			

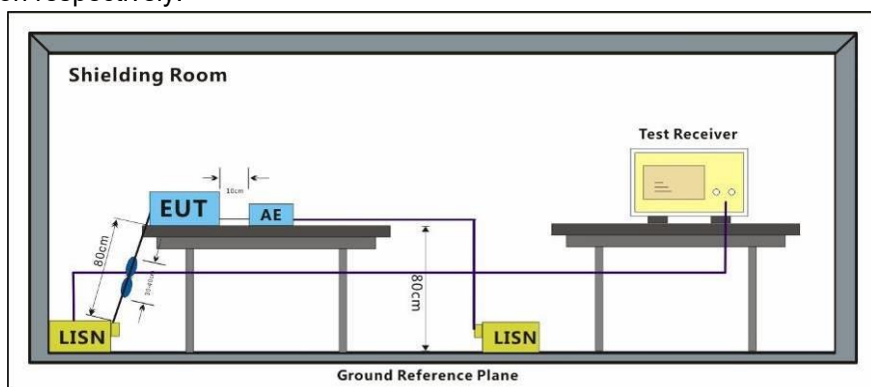
2.1.1 E.U.T. Operation

Operating Environment:

Temperature:	22~23°C
Humidity:	44~46%RH
Atmospheric Pressure:	101kPa
Pretest these modes to find the worst case:	a: adapter+usb Cable+BT(Idle)+Earphones+2.4GWLAN(Idle)+Camera(Rear)+WCDMA Band 5(RX)Low b: adapter+usb Cable+BT(Idle)+Earphones+5GWLAN(Idle)+Camera(Front)+LTE Band 5 (RX) Mid c: adapter+usb Cable+BT(Idle)+Earphones+2.4GWLAN(Idle)+MP4+LTE Band 12 (RX) High d: adapter+usb Cable+BT(Idle)+Earphones+5GWLAN(Idle)+NFC ON+LTE Band 14 (RX) Low e: adapter+usb Cable+BT(Idle)+Earphones+2.4GWLAN(Idle)+GNSS+LTE Band 17 (RX) Mid
The worst case for final test:	b: adapter+usb Cable+BT(Idle)+Earphones+5GWLAN(Idle)+Camera(Front)+LTE Band 5 (RX) Mi

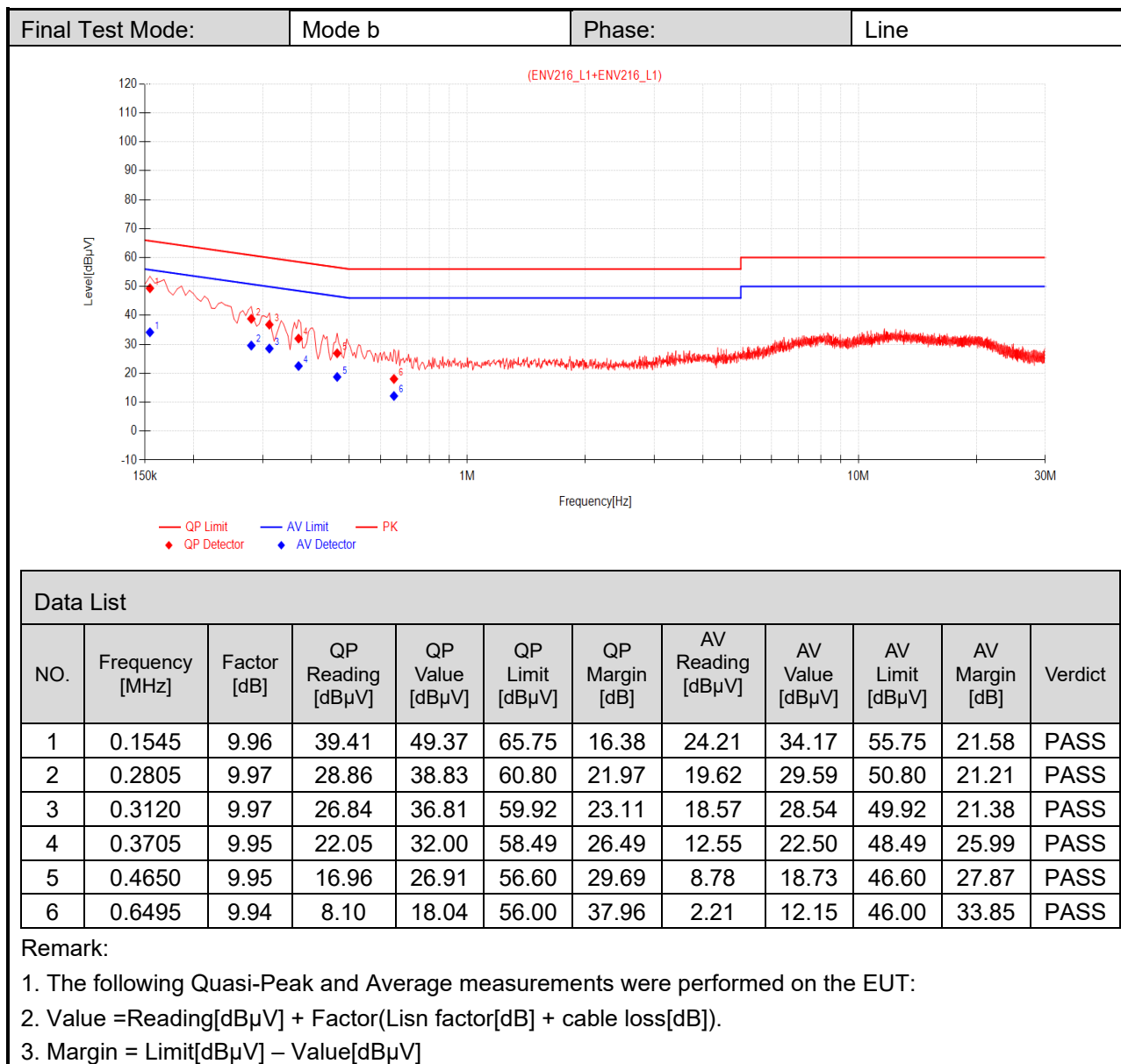
2.1.2 Test Setup Procedures

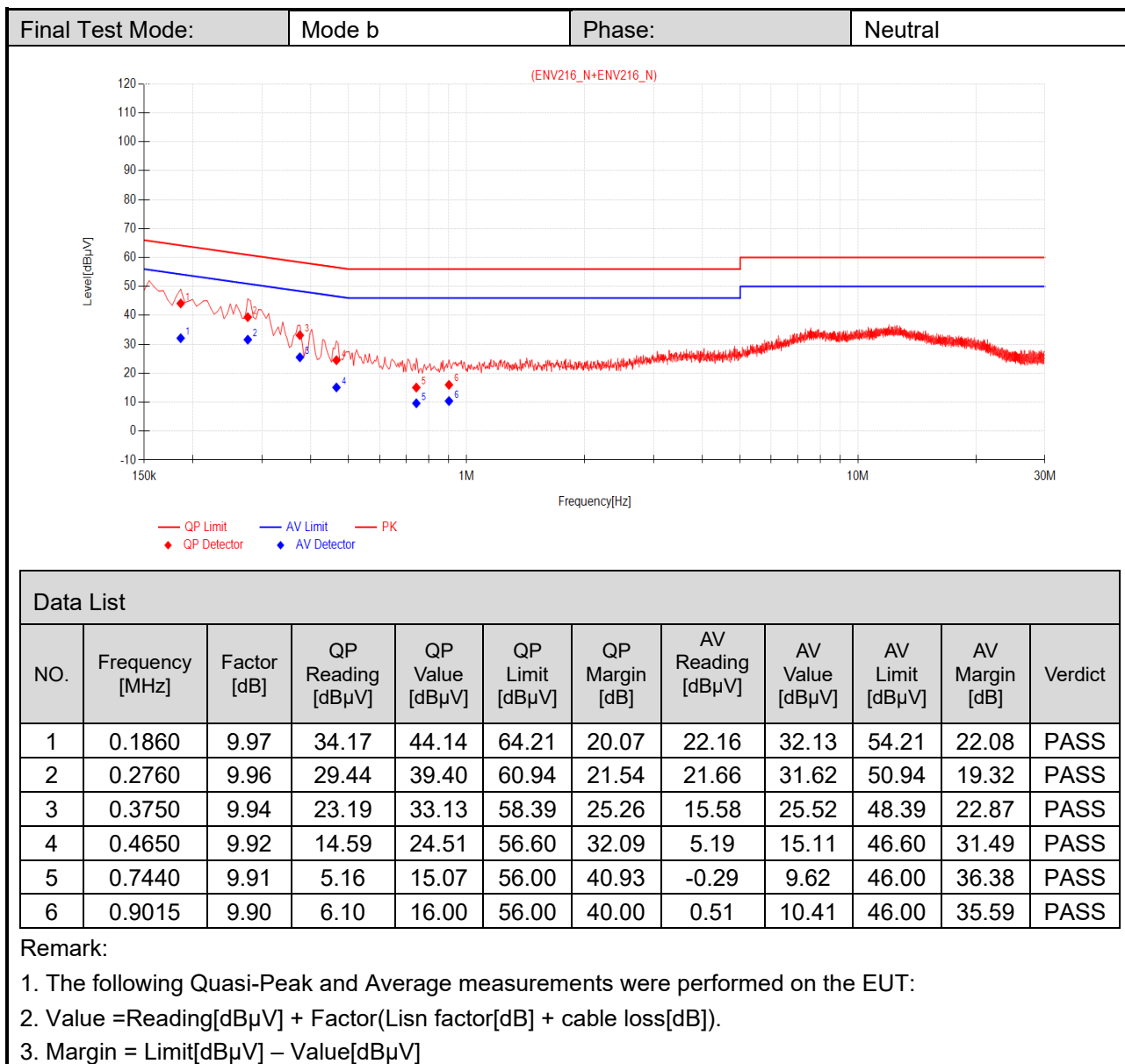
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.



2.1.3 Measurement Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.





5.2 Radiated Emissions (30MHz-1GHz)

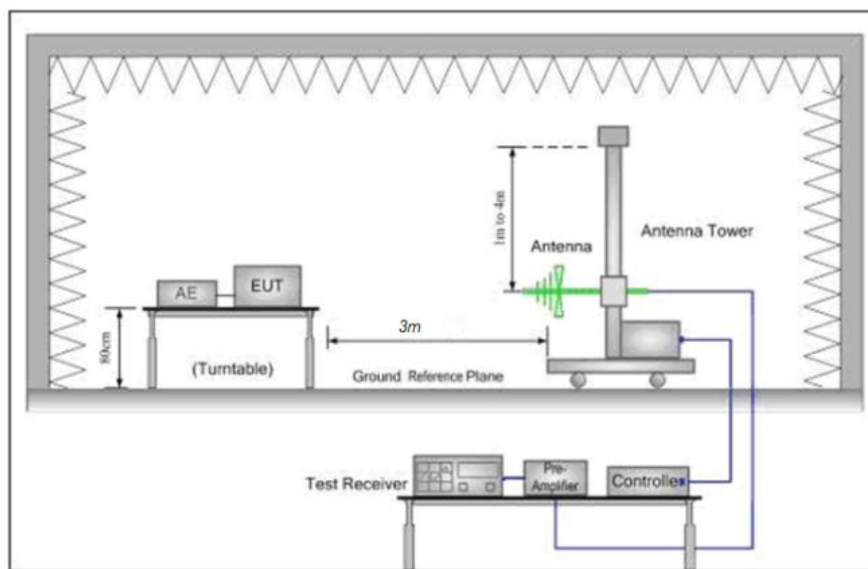
Test Requirement:	47 CFR Part 15, Subpart B		
Test Method:	ANSI C63.4:2014		
Frequency Range:	30MHz to 1GHz		
Measurement Distance:	3m		
Limit:	Frequency Range (MHz)	Limit(dBμV/m)	Detector
	30MHz -88MHz	40.0	Quasi-peak
	88MHz-216MHz	43.5	Quasi-peak
	216MHz-960MHz	46.0	Quasi-peak
	960MHz-1000MHz	54.0	Quasi-peak
Detector:	Peak for pre-scan (120kHz resolution bandwidth) 30M to1000MHz		

5.2.1 E.U.T. Operation

Temperature:	22~23°C
Humidity:	44~46%RH
Atmospheric Pressure:	101kPa
Pretest these modes to find the worst case:	a: adapter+usb Cable+BT(Idle)+Earphones+2.4GWLAN(Idle)+Camera(Rear)+WCDMA Band 5(RX) Low b: adapter+usb Cable+BT(Idle)+Earphones+5GWLAN(Idle)+Camera(Front)+LTE Band 5 (RX) Mid c: adapter+usb Cable+BT(Idle)+Earphones+2.4GWLAN(Idle)+MP4+LTE Band 12 (RX) High d: adapter+usb Cable+BT(Idle)+Earphones+5GWLAN(Idle)+NFC ON+LTE Band 14 (RX) Low e: adapter+usb Cable+BT(Idle)+Earphones+2.4GWLAN(Idle)+GNSS+LTE Band 17 (RX) Mid f: Transfer data between the EUT and the PC+USB cable+5GWLAN(Idle)+BT(Idle)+Earphones+SA Band 5 (RX) High
The worst case for final test:	f: Transfer data between the EUT and the PC+USB cable+5GWLAN(Idle)+BT(Idle)+Earphones+SA Band 5 (RX) High

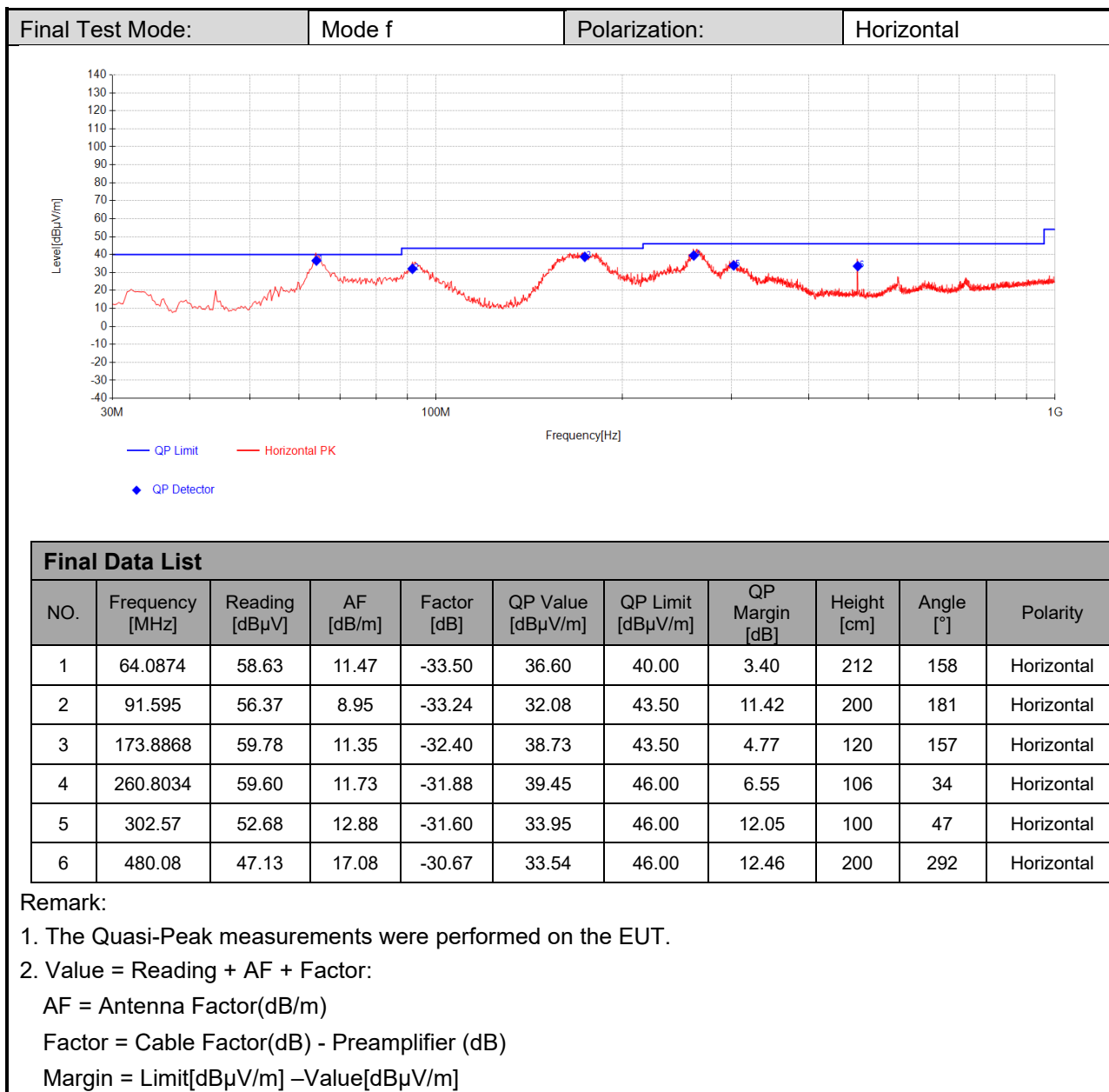
5.2.2 Test Setup Procedures

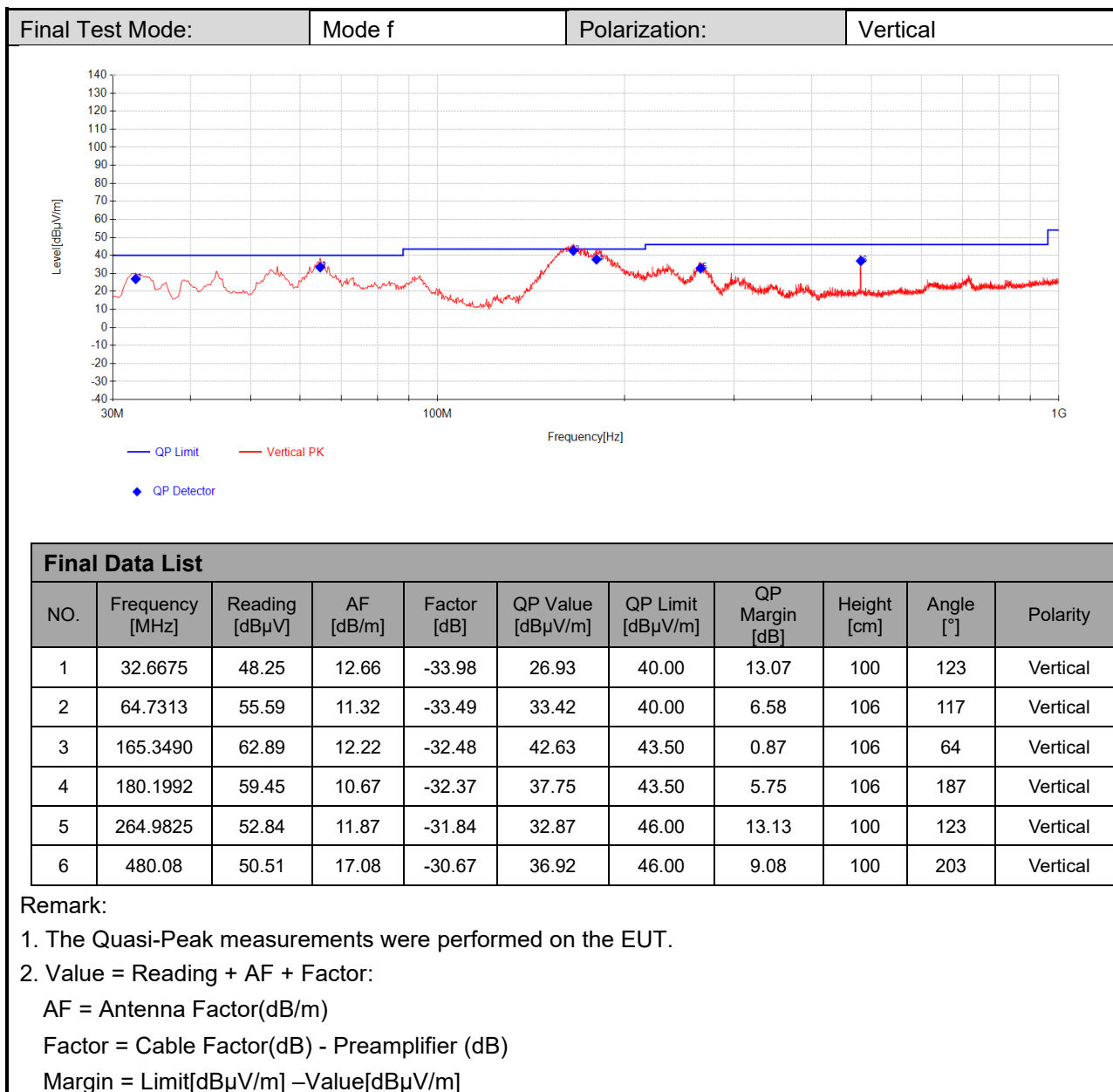
1. The EUT was placed in a semi Anechoic Chamber as show below
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna height is adjusted between 1 to 4 meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function with specified bandwidth with Maximum Hold Mode, and the trace was allowed to stabilize.
7. If the emission level of the EUT in peak mode was 6 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.



5.2.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities. The three polarities of X,Y,Z were measured by EUT, but only the worst data had been displayed.





5.3 Radiated Emissions (above 1GHz)

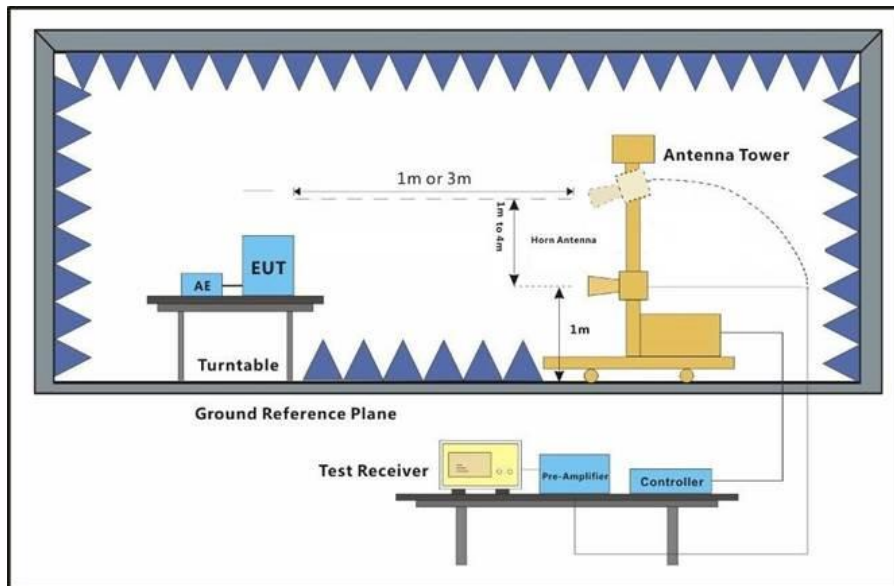
Test Requirement:	47 CFR Part 15, Subpart B		
Test Method:	ANSI C63.4:2014		
Frequency Range:	Above 1GHz		
Measurement Distance:	3m		
Limit:	Frequency (MHz)	Limit (dBμV/m)	Detector
	Above 1GHz	74	Peak
		54	Average
Detector:	Peak for pre-scan (1000kHz resolution bandwidth) 5th harmonic of the highest frequency or 40GHz, whichever is lower.		

5.3.1 E.U.T. Operation

Temperature:	22~23°C
Humidity:	44~46% RH
Atmospheric Pressure:	101kPa
Pretest these modes to find the worst case:	a: adapter+usb Cable+BT(Idle)+Earphones+2.4GWLAN(Idle)+Camera(Rear)+WCDMA Band 5(RX) Low b: adapter+usb Cable+BT(Idle)+Earphones+5GWLAN(Idle)+Camera(Front)+LTE Band 5 (RX) Mid c: adapter+usb Cable+BT(Idle)+Earphones+2.4GWLAN(Idle)+MP4+LTE Band 12 (RX) High d: adapter+usb Cable+BT(Idle)+Earphones+5GWLAN(Idle)+NFC ON+LTE Band 14 (RX) Low e: adapter+usb Cable+BT(Idle)+Earphones+2.4GWLAN(Idle)+GNSS+LTE Band 17 (RX) Mid f: Transfer data between the EUT and the PC+USB cable+5GWLAN(Idle)+BT(Idle)+Earphones+SA Band 5 (RX) High
The worst case for final test:	f: Transfer data between the EUT and the PC+USB cable+5GWLAN(Idle)+BT(Idle)+Earphones+SA Band 5 (RX) High

5.3.2 Test Setup Procedures

1. The EUT was placed in a full Anechoic Chamber as show below
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation
(Distance from antenna to EUT is 1m for measurements >18GHz).
4. The antenna height is adjusted between 1 to 4 meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak and AV Detect Function with specified bandwidth with Maximum Hold Mode, and the trace was allowed to stabilize.
7. At a measurement distance of 1 meter the limit line was increased by $20 \cdot \log(3/1) = 9.54$ dB.

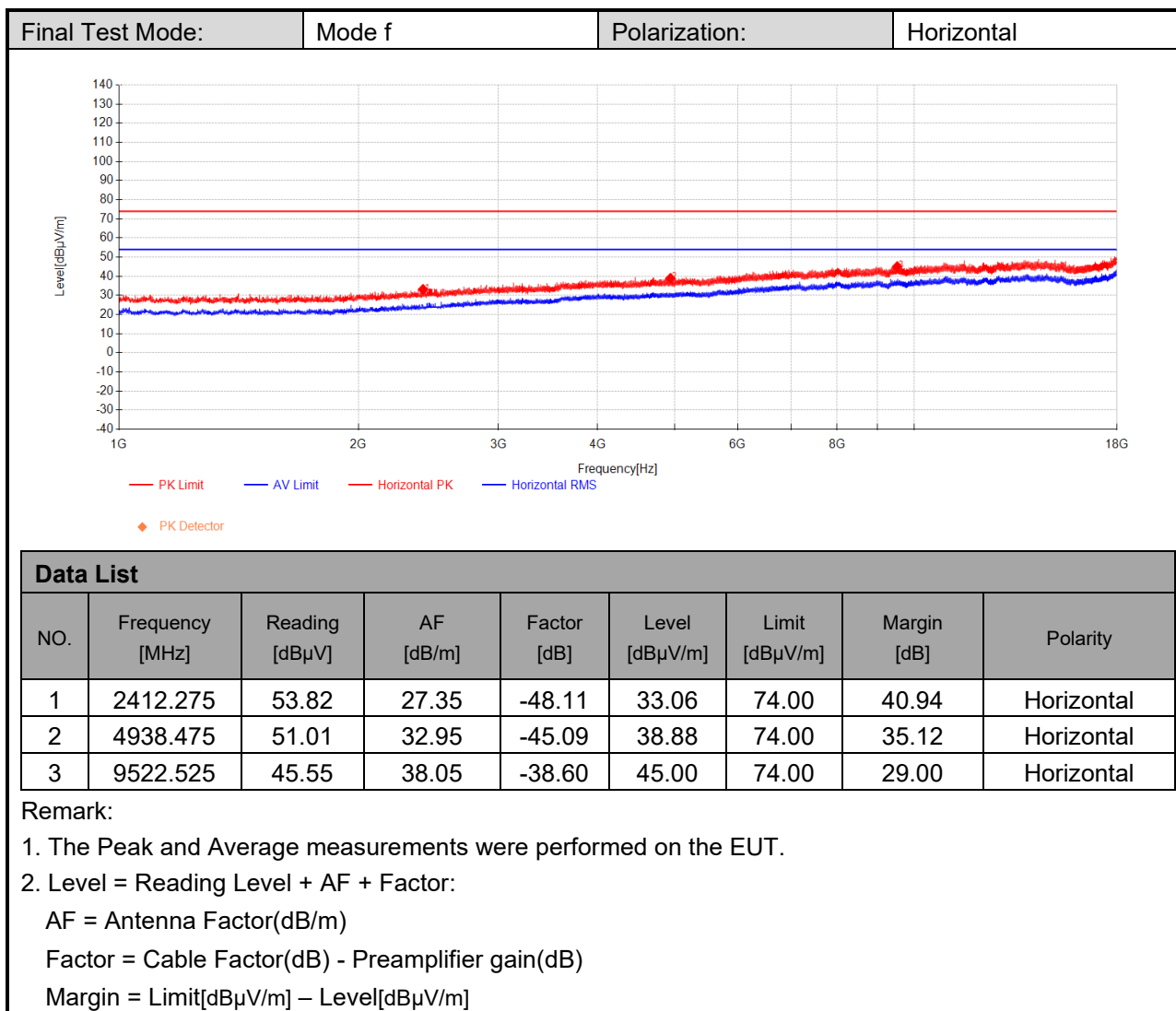


5.3.3 Measurement Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

The three polarities of X, Y, Z were measured by EUT, but only the worst data had been displayed.

Scan from 5th harmonic of the highest frequency or 40GHz, whichever is lower, the disturbance above 18GHz was very low. The points marked on below plots are the highest emissions could be found when testing, so only below points had been displayed.

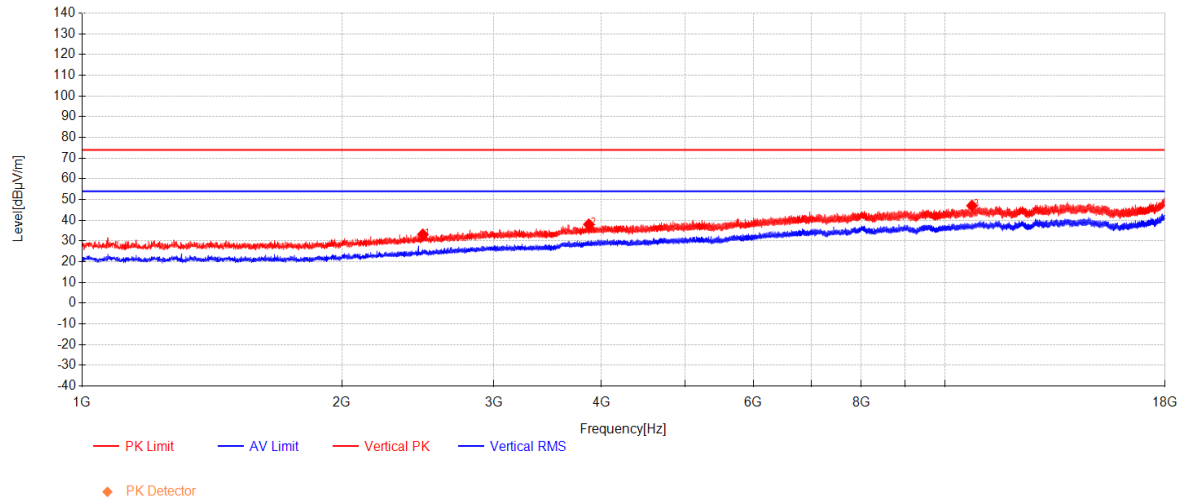


Final Test Mode:

Mode f

Polarization:

Vertical



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2482.825	53.31	27.55	-47.76	33.10	74.00	40.90	Vertical
2	3867.05	52.55	30.62	-45.19	37.99	74.00	36.01	Vertical
3	10749.925	44.89	39.00	-36.88	47.01	74.00	26.99	Vertical

Remark:

1. The Peak and Average measurements were performed on the EUT.

2. Level = Reading Level + AF + Factor:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier gain(dB)

Margin = Limit[dBμV/m] – Level[dBμV/m]



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6 Photographs

6.1 Test Setup

Refer to Appendix A.1 15B Setup Photos.

---End of Report---