



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

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TEST REPORT

Application No: SUCR2506000525IT
Applicant: Lenovo (Shanghai) Electronics Technology Co., Ltd.
Address of Applicant: Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone
Manufacturer: Lenovo PC HK Limited
Address of Manufacturer: 23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, China
EUT Description: Portable Tablet Computer
Model No.: TB710FU
Trade Mark: Lenovo
FCC ID: O57TB710FU
Standard(s): FCC 47 CFR Part 15, Subpart B
Date of Receipt: June 5, 2025
Date of Test: June 12, 2025 to July 3, 2025
Date of Issue: July 22, 2025

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

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Version

<i>Revision Record</i>			
<i>Version</i>	<i>Description</i>	<i>Date</i>	<i>Remark</i>
01	Original	July 22, 2025	/

Authorized for issue by:			
Tested By			
	_____ Hayley Zhang / Project Manager		
Approved By			
	_____ Cloud Peng/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

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2 General Information

Hardware Version:	TB710FU		
Software Version:	Lenovo ZUI 17.0		
Frequency Bands:	Band	Tx (MHz)	Rx (MHz)
	Wi-Fi 2.4G	2412~2462	2412~2462
	Bluetooth	2402~2480	2402~2480
	Wi-Fi 5G	5150~5850	5150~5850
	Wi-Fi 6E	5925~6425	5925~6425
		6425~6525	6425~6525
		6525~6875	6525~6875
6875~7125		6875~7125	
WPT	0.111~0.145	0.111~0.145	
<p>Note: As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.</p>			

Accessory:

USB cable no.	Model no.	Manufacturer
1	SLQ-A273A	Saibao
2	JWUB1931-L20H	Juwei

Battery no.	Model no.	Manufacturer
1	L25D2P32	NVT
2	L25D2P32	SCUD

Adapter no.	Model no.	Manufacturer
1	MC-451(SA18E17322)	Acbel
2	MC-451(SA18E17333)	Chenyang

Keyboard (Optional)	Model no.	Manufacturer
1	KB710U	Lenovo

Pen (Optional)	Model no.	Manufacturer
1	AP600U	Lenovo

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RAM	8G (Main source) Trademark: Micron	8G (2nd source) Trademark: Samsung
	Model: MT62F1G64D4ZX-023 WT_C	Model: K3KL3L30EM-BGCV
RAM	12G (Main source) Trademark: Samsung	12G (2nd source) Trademark: Micron
	Model: K3KL3L40EM-BGCV	Model: MT62F1536M64D8ZA-023 WT:C
ROM	128G (Main source) Trademark: Samsung	128G (2nd source) Trademark: Micron
	Model: KLUDG2RHJF-B0E1	Model: MTFC128GBEAZHF-WT
ROM	256G (Main source) Trademark: Micron	256G (2nd source) Trademark: Samsung
	Model: MTFC256GBEAXAP-WT	Model: KLUEG4RHHF-F0G1
Screen	Main source Trademark: TIANMA	NA
	Model: TL111MVMS01-00C	NA
Battery	Main source Trademark: NVT	2nd source Trademark: SCUD
	Model: L25D2P32	Model: L25D2P32
Speaker	Main source Trademark: ZHEJIANG KEYSOUND ELECTRONICS TECHNOLOGY CO.LTD	2nd source Trademark: JIANGSU YUCHENG ELECTRONICS CO., LTD
	Model: QM150619AW01/QM150619AW02/QM27 1223EW28/QM271223EW29	Model: YCP2520-F-1A/YCP2520-F-1B /YCP8330-C-1A/YCP8330-F-1B
Flash	Main source Trademark: AnHui Retop Electronics Co.,Ltd	NA
	Model: WR-2016C30-70C3-Z-K	NA
Rear camera	Main source Trademark: TXD	2nd source Trademark: Q TECHNOLOGY LIMITED
	Model: TMBV70A	Model: C4DA12
Micro-lens	Main source Trademark: HU NAN KINGCOME OPTOELECTRONIC CO.,LTD.	2nd source Trademark: TXD
	Model: KPFC1205	Model: TF2G3KA
Front camera	Main source Trademark: TXD	2nd source Trademark: LCE-Optics
	Model: TYBG6GW	Model: LED800FM
Main PCB	Main source Trademark: MOTOROLA (WUHAN) MOBILITY TECHNOLOGIES COMMUNICATION CO.,LTD.	2nd source Trademark: MOTOROLA (WUHAN) MOBILITY TECHNOLOGIES COMMUNICATION CO.,LTD.
	Model: LLDM805	Model: LLDM805

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Object	EUT1 (12+256GB)		EUT2 (12+256GB)		EUT3 (8+256GB)		EUT4 (8+128GB)	
	Model	Supplier	Model	Specifications	Model	Supplier	Model	Supplier
RAM	K3KL3L40EM-BGCV	Samsung	MT62F153 6M64D8ZA -023 WT:C	Micron	K3KL3L30 EM-BGCV	Samsung	K3KL3L30EM -BGCV	Samsung
ROM	MTFC256GBEAX AP-WT	Micron	KLUEG4R HHF-F0G1	Samsung	KLUEG4R HHF-F0G1	Samsung	MTFC128GB EAZHF-WT	Micron
Battery	L25D2P32	NVT	L25D2P32	SCUD	L25D2P32	SCUD	L25D2P32	SCUD
Speaker	QM150619AW01/ QM150619AW02/ QM271223EW28/ QM271223EW29	ZHEJIANG KEYSOUND ELECTRONICS TECHNOLOGY CO.LTD	YCP2520- F- 1A/YCP252 0-F-1B /YCP8330- C- 1A/YCP833 0-F-1B	JIANGSU YUCHENG ELECTRONICS CO., LTD	YCP2520- F- 1A/YCP252 0-F-1B /YCP8330- C- 1A/YCP833 0-F-1B	JIANGSU YUCHENG ELECTRONI CS CO., LTD	YCP2520-F- 1A/YCP2520- F-1B /YCP8330-C- 1A/YCP8330- F-1B	JIANGSU YUCHENG ELECTRO NICS CO., LTD
Rear camera	TMBV70A	TXD	C4DA12	Q TECHNOLOGY LIMITED	C4DA12	Q TECHNOLOG Y LIMITED	C4DA12	Q TECHNOL OGY LIMITED
Micro-lens	KPFC1205	HU NAN KINGCOME OPTOELECTRONIC CO.,LTD.	TF2G3KA	TXD	TF2G3KA	TXD	TF2G3KA	TXD
Front camera	TYBG6GW	TXD	LED800FM	LCE-Optics	LED800FM	LCE-Optics	LED800FM	LCE- Optics
Main PCB	LLDM805	MOTOROLA (WUHAN) MOBILITY TECHNOLOGIES COMMUNICATION CO.,LTD.	LLDM805	MOTOROLA (WUHAN) MOBILITY TECHNOLOGIES COMMUNICATION CO.,LTD.	LLDM805	MOTOROLA (WUHAN) MOBILITY TECHNOLOG IES COMMUNICA TION CO.,LTD.	LLDM805	MOTORO LA (WUHAN) MOBILITY TECHNOL OGIES COMMUNI CATION CO.,LTD.

2.1 Description of Support Units

Description	Manufacturer	Model No.	Remark
Router	TP-LINK	Archer BE800	/
Earphone	VIVO	/	/
Computer	Lenovo	T14	/
Monitor	DELL	/	/
*Adapter3 (Optional)	Chenyang	/	Input: AC100-240V 50/60Hz 2.0A Output: 15W or 27W or 45W or 68W or 68.2W MAX

Remark: The accessories marked with * are provided by the customer



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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



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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
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2/13/2025	2/12/2026
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	11/19/2024	11/18/2025
Radio Communication Analyzer	StarPoint	SP9500E	SUWI-01-28-02	11/19/2024	11/18/2025

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	6/2/2026
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2/13/2025	2/12/2026
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	1/20/2025	1/19/2026
Signal Analyzer	KEYSIGHT	N9020A	SUWI-01-02-07	11/21/2024	11/20/2025
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	1/15/2025	1/14/2026
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	11/25/2023	11/24/2025
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
Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	1/16/2025	1/15/2026
Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	1/20/2025	1/19/2026
Wideband Radio Communication Tester	Anritsu	MT8821C	SUWI-01-26-03	11/19/2024	11/18/2025
Measurement Software	Tonscend	JS32-RE V4.0.0.0	SUWI-02-09-04	NCR	NCR
Radio Communication Analyzer	StarPoint	SP9500E	SUWI-01-28-02	11/19/2024	11/18/2025

Remark: NCR=No Calibration Requirement.



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4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Conduction Emission	$\pm 2.9\text{dB}$ (150kHz to 30MHz)
2	Radiated Emission	$\pm 4.8\text{dB}$ (30M -1GHz)
		$\pm 4.8\text{dB}$ (1GHz to 18GHz)
		$\pm 4.80\text{dB}$ (Above 18GHz)

Remark:
The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

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			

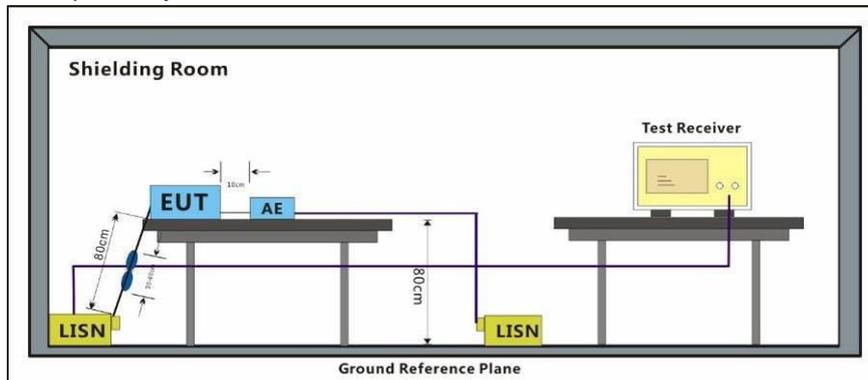
2.1.1 E.U.T. Operation

Operating Environment:

Temperature:	22~23°C
Humidity:	44~46%RH
Atmospheric Pressure:	101kPa
Pretest these modes to find the worst case:	01: Transfer data between the EUT1 and the PC+USB Cable1 02: Transfer data between the EUT2 and the PC+USB Cable2 03: Transfer data between the EUT3 and the PC+USB Cable2 04: Transfer data between the EUT4 and the PC+USB Cable2 05: BT+WLAN5G+EUT1+ MP4+USB Cable2+adapter1 06: BT+WLAN5G+EUT2+ MP4+USB Cable2+adapter2 07: BT+WLAN5G+EUT3+ MP4+USB Cable2+adapter3 08: BT+WLAN5G+EUT4+ MP4+USB Cable2+adapter2 09: BT+WLAN5G+EUT2+camera(Front)+USB Cable2+adapter2 10: BT+WLAN6G+EUT2+camera(Back)+USB Cable2+adapter2 11: BT+WLAN2.4G+EUT2+camera(Back)+USB Cable2+adapter2 12: BT+WLAN 5G+EUT2+Pen+Keyboard+USB Cable2+adapter2
The worst case for final test:	06: BT+WLAN5G+EUT2+ MP4+USB Cable2+adapter2

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.



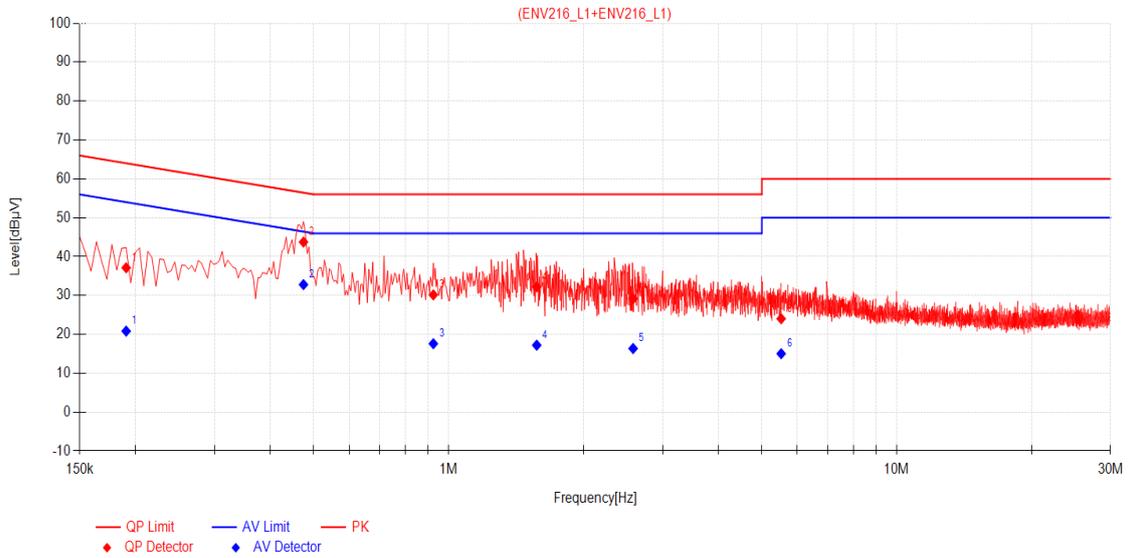
2.1.3 Measurement Data

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.

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Final Test Mode:	Mode 06	Phase:	Line
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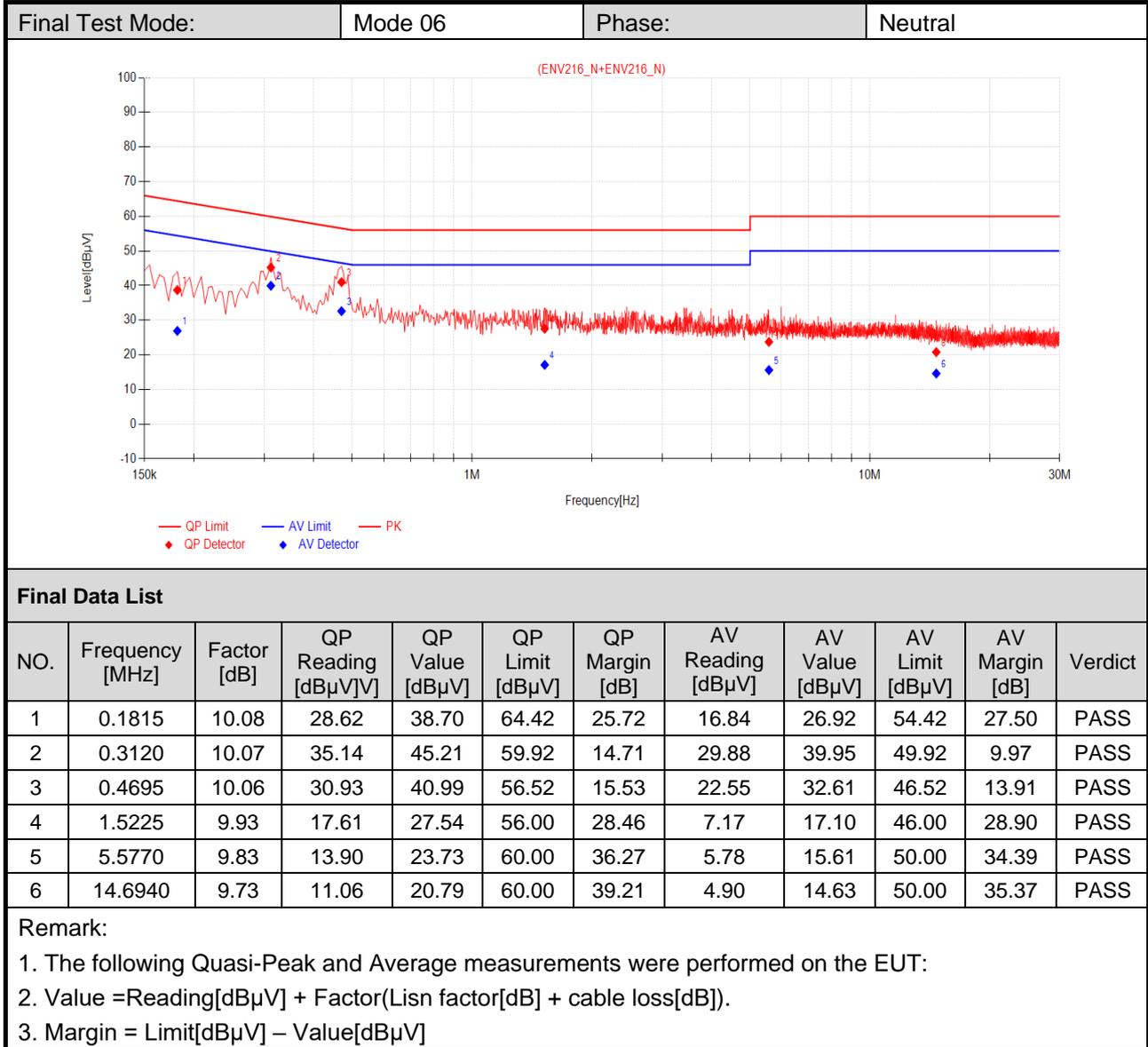


Final Data List

NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBµV]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Reading [dBµV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.1905	10.07	27.06	37.13	64.01	26.88	10.76	20.83	54.01	33.18	PASS
2	0.4740	10.07	33.68	43.75	56.44	12.69	22.72	32.79	46.44	13.65	PASS
3	0.9240	9.99	20.16	30.15	56.00	25.85	7.61	17.60	46.00	28.40	PASS
4	1.5720	9.89	22.32	32.21	56.00	23.79	7.33	17.22	46.00	28.78	PASS
5	2.5800	9.83	19.34	29.17	56.00	26.83	6.53	16.36	46.00	29.64	PASS
6	5.5230	9.82	14.20	24.02	60.00	35.98	5.21	15.03	50.00	34.97	PASS

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Value = Reading[dBµV] + Factor(Lisn factor[dB] + cable loss[dB]).
3. Margin = Limit[dBµV] – Value[dBµV]



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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(dB μ V/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:	01: Transfer data between the EUT1 and the PC+USB Cable1 02: Transfer data between the EUT2 and the PC+USB Cable2 03: Transfer data between the EUT3 and the PC+USB Cable2 04: Transfer data between the EUT4 and the PC+USB Cable2 05: BT+WLAN5G+EUT1+ MP4+USB Cable2+adapter1 06: BT+WLAN5G+EUT2+ MP4+USB Cable2+adapter2 07: BT+WLAN5G+EUT3+ MP4+USB Cable2+adapter3 08: BT+WLAN5G+EUT4+ MP4+USB Cable2+adapter3 09: BT+WLAN5G+EUT3+camera(Front)+USB Cable2+adapter3 10: BT+WLAN6G+EUT3+camera(Back)+USB Cable2+adapter3 11: BT+WLAN2.4G+EUT3+camera(Back)+USB Cable2+adapter3 12: BT+WLAN 5G+EUT3+Pen+Keyboard+USB Cable2+adapter3 13: BT+WLAN5G+EUT3+MP4+Earphone 14: BT+WLAN5G+EUT3+MP4+Monitor
The worst case for final test:	02: Transfer data between the EUT2 and the PC+USB Cable2

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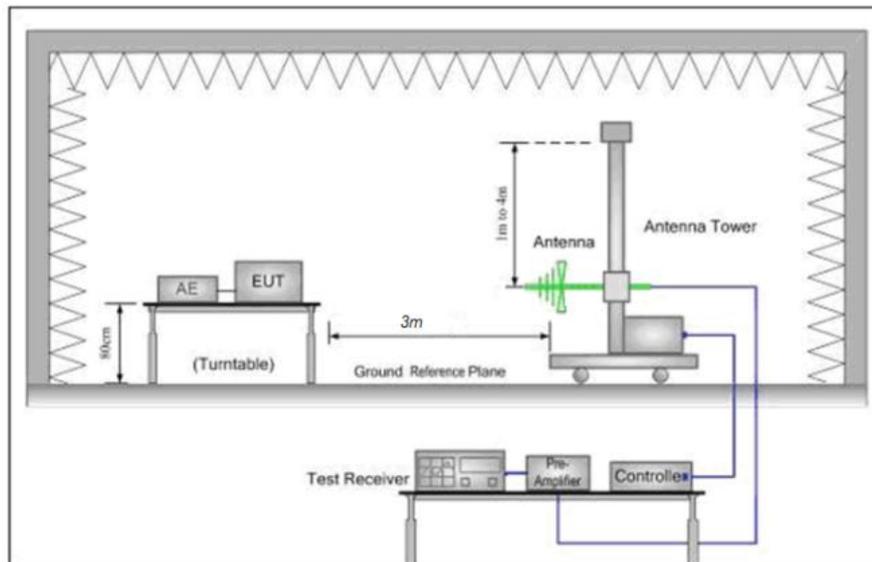
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5.2.2 Test Setup Procedures

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.



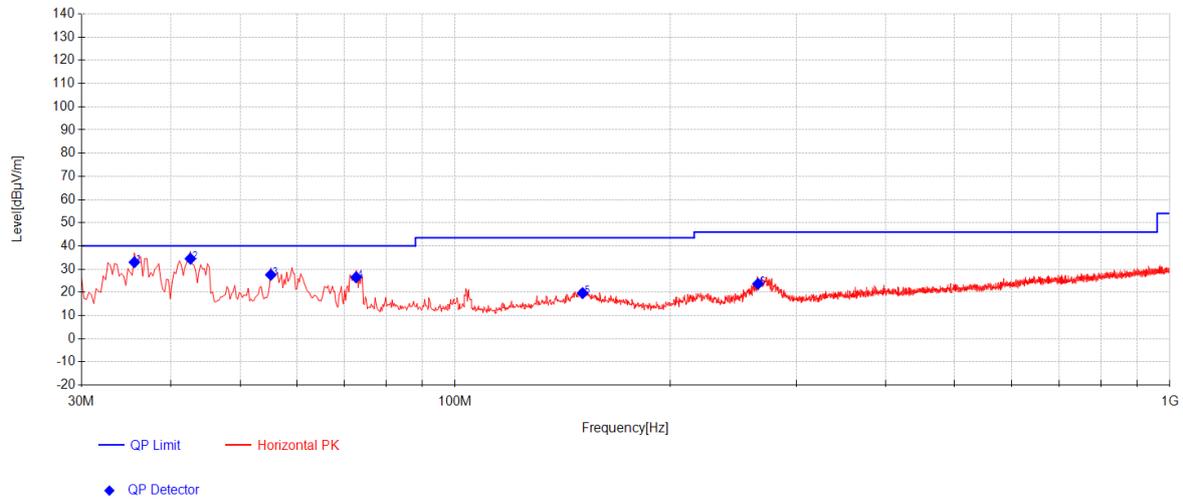
5.2.3 Measurement Data

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.

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Final Test Mode:	Mode 02	Polarization:	Horizontal
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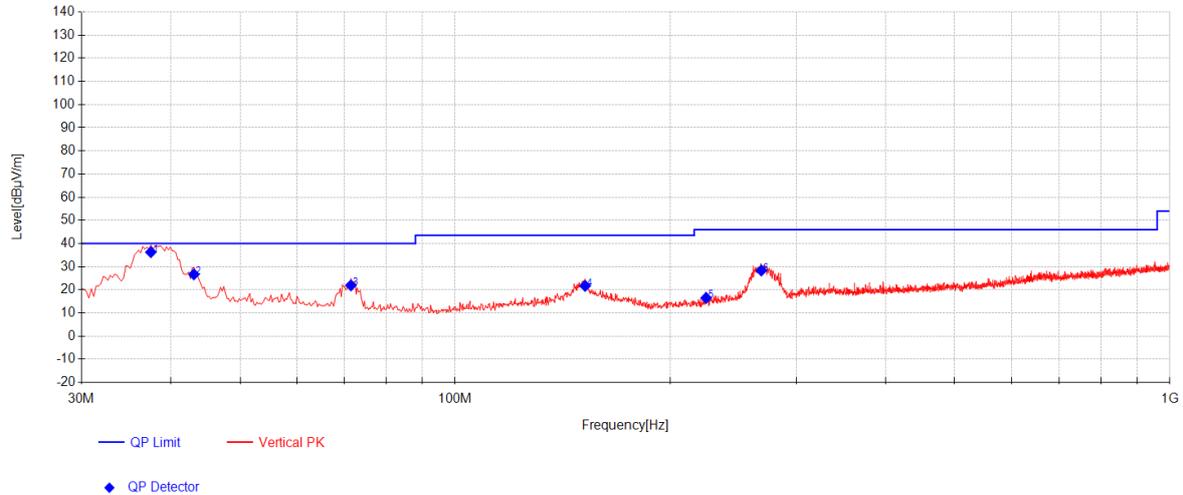


Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.5775	48.65	18.26	-33.94	32.97	40.00	7.03	264	151	Horizontal
2	42.61	49.54	18.76	-33.82	34.49	40.00	5.51	189	203	Horizontal
3	55.22	42.96	18.20	-33.62	27.54	40.00	12.46	251	162	Horizontal
4	72.68	43.85	16.00	-33.40	26.45	40.00	13.55	166	141	Horizontal
5	150.765	33.23	19.10	-32.68	19.65	43.50	23.85	244	6	Horizontal
6	265.225	38.28	17.21	-31.84	23.65	46.00	22.35	187	203	Horizontal

Remark:

- The Quasi-Peak measurements were performed on the EUT.
- Value = Reading + AF + Factor:
 AF = Antenna Factor(dB/m)
 Factor = Cable Factor(dB) - Preamplifier (dB)
 Margin = Limit[dBµV/m] - Value[dBµV/m]

Final Test Mode:	Mode 02	Polarization:	Vertical
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Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	37.5175	51.62	18.55	-33.90	36.27	40.00	3.73	152	359	Vertical
2	43.095	41.68	18.80	-33.81	26.67	40.00	13.33	226	359	Vertical
3	71.4675	39.20	16.15	-33.41	21.94	40.00	18.06	187	359	Vertical
4	151.9775	35.46	18.90	-32.66	21.70	43.50	21.80	169	209	Vertical
5	224.485	32.46	16.16	-32.12	16.50	46.00	29.50	123	237	Vertical
6	268.135	42.78	17.39	-31.82	28.35	46.00	17.65	189	197	Vertical

Remark:

- The Quasi-Peak measurements were performed on the EUT.
- Value = Reading + AF + Factor:
 AF = Antenna Factor(dB/m)
 Factor = Cable Factor(dB) - Preamplifier (dB)
 Margin = Limit[dBµV/m] - Value[dBµV/m]

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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 (dB μ V/m)	Detector
	Above 1GHz	74 54	Peak 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:	01: Transfer data between the EUT1 and the PC+USB Cable1 02: Transfer data between the EUT2 and the PC+USB Cable2 03: Transfer data between the EUT3 and the PC+USB Cable2 04: Transfer data between the EUT4 and the PC+USB Cable2 05: BT+WLAN5G+EUT1+ MP4+USB Cable2+adapter1 06: BT+WLAN5G+EUT2+ MP4+USB Cable2+adapter2 07: BT+WLAN5G+EUT3+ MP4+USB Cable2+adapter3 08: BT+WLAN5G+EUT4+ MP4+USB Cable2+adapter3 09: BT+WLAN5G+EUT3+camera(Front)+USB Cable2+adapter3 10: BT+WLAN6G+EUT3+camera(Back)+USB Cable2+adapter3 11: BT+WLAN2.4G+EUT3+camera(Back)+USB Cable2+adapter3 12: BT+WLAN 5G+EUT3+Pen+Keyboard+USB Cable2+adapter3 13: BT+WLAN5G+EUT3+MP4+Earphone 14: BT+WLAN5G+EUT3+MP4+Monitor
The worst case for final test:	02: Transfer data between the EUT2 and the PC+USB Cable2

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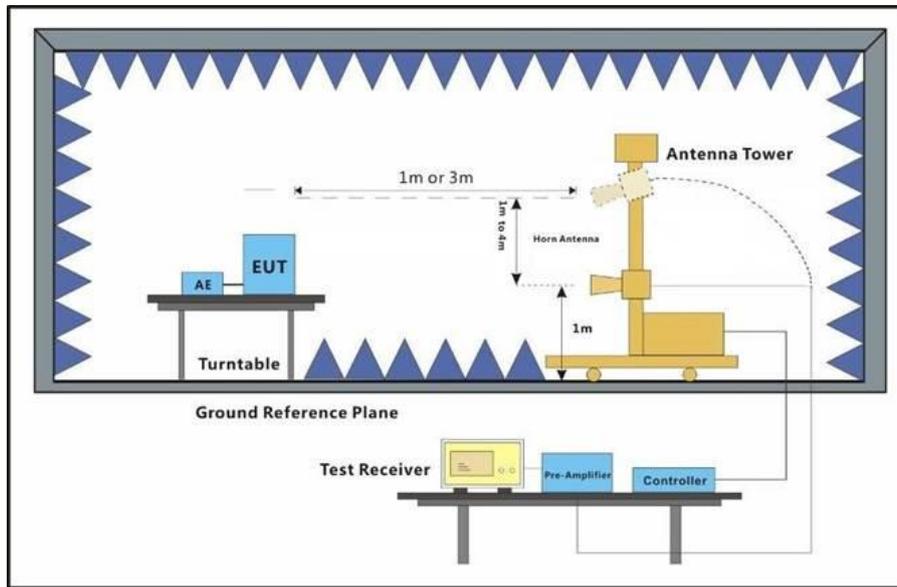
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5.3.2 Test Setup Procedures

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 $20 \cdot \text{LOG}(3/1) = 9.54 \text{ dB}$.



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.

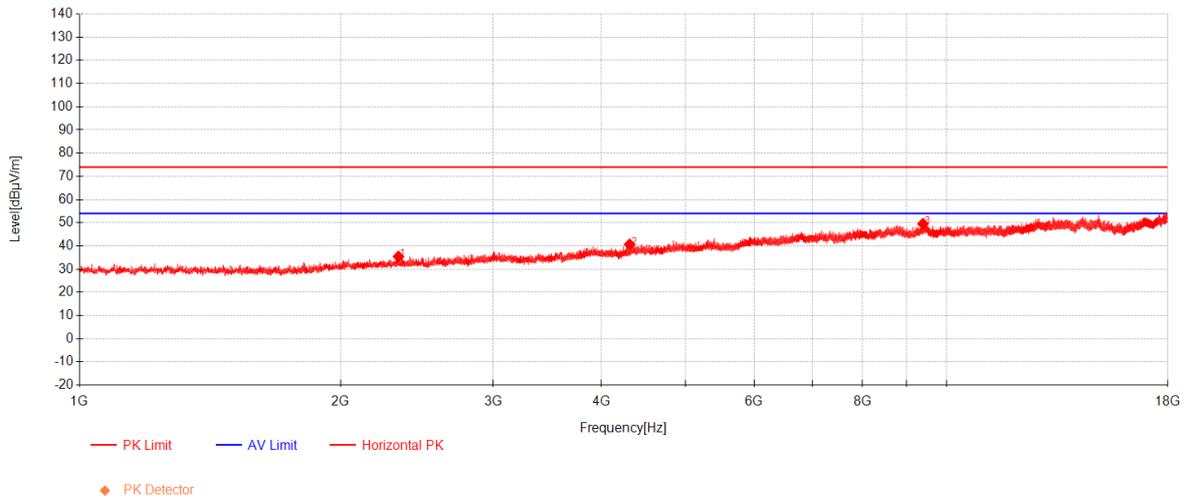
The three polarities of X, Y, Z were measured by EUT, but only the worst data had been displayed.

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.

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Final Test Mode:	Mode 02	Polarization:	Horizontal
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Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2332.8	53.78	27.03	-45.39	35.42	74.00	38.58	Horizontal
2	4309.9	51.08	31.80	-42.23	40.64	74.00	33.36	Horizontal
3	9392.05	45.55	37.72	-33.72	49.54	74.00	24.46	Horizontal

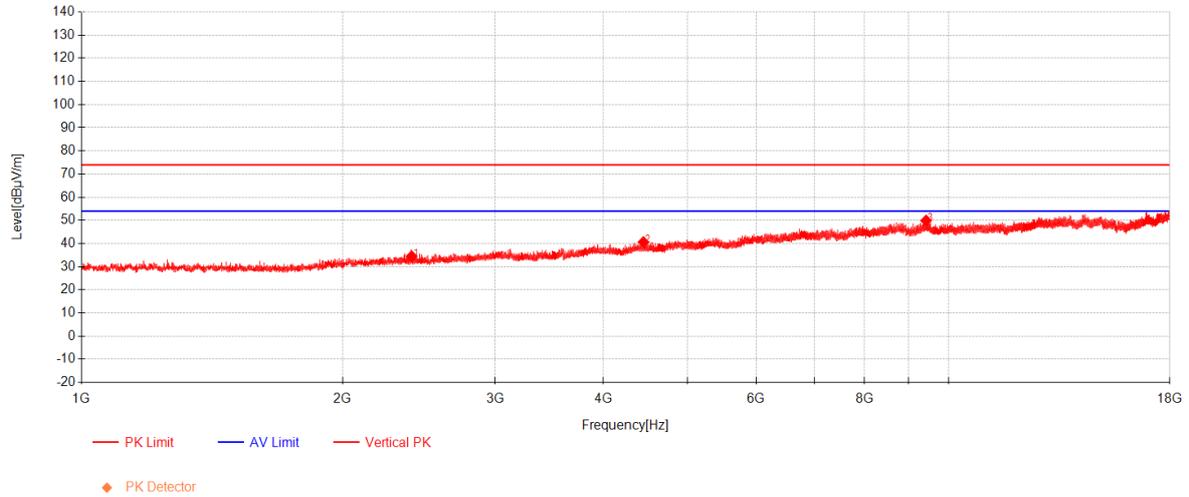
Remark:

- The Peak and Average measurements were performed on the EUT.
- Level = Reading Level + AF + Factor:
 AF = Antenna Factor(dB/m)
 Factor = Cable Factor(dB) - Pre-amplifier gain(dB)
 Margin = Limit[dBµV/m] – Level[dBµV/m]

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Final Test Mode:	Mode 02	Polarization:	Vertical
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Data List

NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	2403.35	52.56	27.19	-45.26	34.49	74.00	39.51	Vertical
2	4447.175	50.66	32.02	-42.07	40.61	74.00	33.39	Vertical
3	9419.675	45.82	37.73	-33.65	49.90	74.00	24.10	Vertical

Remark:

- The Peak and Average measurements were performed on the EUT.
- Level = Reading Level + AF + Factor:
 AF = Antenna Factor(dB/m)
 Factor = Cable Factor(dB) - Pre-amplifier 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---