

TEST REPORT

Application No.: SUCR2602000109WM
FCC ID: IHDT56AX3
Applicant: Motorola Mobility LLC
Address of Applicant: 222 W Merchandise Mart Plaza, Chicago, IL 60654 USA
Manufacturer: Motorola Mobility LLC
Address of Manufacturer: 222 W Merchandise Mart Plaza, Chicago, IL 60654 USA
Equipment Under Test (EUT):
EUT Name: Mobile Cellular Phone
Model No.: XT2625-8 (SB) / XT2625-9 (Retail) ♣
♣ Please refer to summary of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark: Motorola
Standard(s) : 47 CFR Part 15, Subpart B
Date of Receipt: 2026-02-03
Date of Test: 2026-02-26 to 2026-02-26
Date of Issue: 2026-03-27

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

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Revision Record			
Version	Description	Date	Remark
00	Original	2026-03-10	/
01	1.Update RE test data. This report is an updated version, replacing the report issued on March 10, 2026.	2026-03-27	/

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

2 Test Summary

Emission Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart B	ANSI C63.4-2014	15.107(a);Class B	Pass
Radiated Emissions (30MHz-1GHz)		ANSI C63.4-2014	15.109(a);Class B	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.4-2014	15.109(g);Class B	Pass

Declaration of EUT Family Grouping:

Note: XT2625-8 (SB) and XT2625-9 (Retail) are the same product with identical prototypes. Only different model names are used for adaptation to different operators.

This test involves three samples. Prototype differences are referenced in the separately submitted Product Difference Declaration.

Based on the aforementioned differential points, comprehensive testing was only conducted on Sample 1, while Sample 2 and Sample 3 were verified against those differences.

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4 General Information

4.1 Details of E.U.T.

Hardware Version:	DVT2
Software Version:	sydney_ap_sys_userdebug_16_W3WYA36.52_43dc2-ad9539_intcfg-test-keys_global_US
IMEI:	Sample 1:355777680023458 Sample 2:355777680020736 Sample 3:355777680023433

Accessories Information				
USB Cable 1	Brand Name	kingpower	Model Name	K235
	Signal Line	1 meter, shielded cable, w/o ferrite core		
USB Cable 2	Brand Name	washin	Model Name	HX-HQ-13
	Signal Line	1 meter, shielded cable, w/o ferrite core		

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Computer	Lenovo	T14	2YK6GR
Mouse	Lenovo	3D optical Mouse	N/A

4.3 Measurement Uncertainty & Decision Rule

Test Item	Measurement Uncertainty
Conducted Emissions (9kHz-150KHz)	± 2.4dB
Conducted Emissions (150kHz-30MHz)	± 2.9dB
Conducted Emission at telecommunication port using AAN	± 4.0 dB
Radiated Power	±3.2dB
Radiated Emissions (30MHz-1GHz)	± 4.8dB
Radiated Emissions (Above 1GHz)	±4.8dB
Voltage Fluctuations and Flicker	± 0.12%
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.	

4.4 Test Location

All tests were performed at:

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

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu)
Pilot Free Trade Zone

No tests were sub-contracted.

Note:

- 1.SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).
- 2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).
3. Sample source: sent by customer.

4.5 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).

- **FCC (Designation Number: CN1312)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized as an accredited testing laboratory. Test Firm Registration Number:717327

- **ISED (CAB Identifier: CN0120)**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 27594

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

5 Equipment List

Conducted Emissions at Mains Terminals (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2026/1/14	2027/1/13
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2026/2/11	2027/2/10
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-03	2025/5/8	2026/5/7
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-04	2025/5/8	2026/5/7
Measurement Software	Tonscend	JS32-CE 4.0.0.2	SUWI-02-09-05	NCR	NCR

Radiated Emissions (30MHz-1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2023/6/3	2026/6/2
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2026/2/11	2027/2/10
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2026/1/14	2027/1/13
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	2024/8/22	2026/8/21
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2026/1/14	2027/1/13
Measurement Software	Tonscend	JS32-RE	SUWI-02-09-04	NCR	NCR

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2023/6/3	2026/6/2
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2026/2/11	2027/2/10
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2026/1/14	2027/1/13
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	2025/5/7	2027/5/6
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2025/5/7	2027/5/6
Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2026/1/14	2027/1/13
Amplifier	Tonscend	TAP18040048	SUWI-01-14-	2026/1/14	2027/1/13

			03		
Measurement Software	Tonscend	JS32-RE	SUWI-02-09-04	NCR	NCR

6 Emission Test Results

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

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4-2014

Measurement Distance: 3m

Limit:

0.15MHz-0.5MHz: 66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average

0.5MHz-5MHz: 56dB(μV) quasi-peak, 46dB(μV) average

5MHz-30MHz: 60dB(μV) quasi-peak, 50dB(μV) average

Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

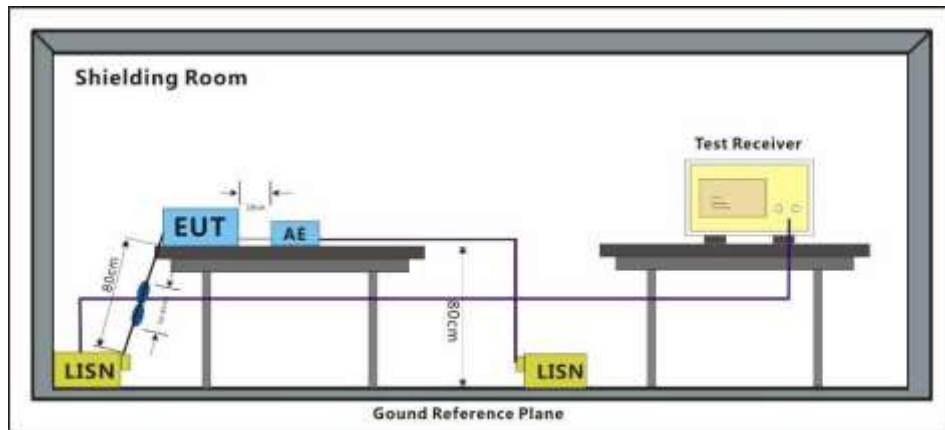
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	11	sample(1)+adapter+usb Cable+BT(Idle)+2.4GWLAN(Idle)+Camera(Rear)+GSM850 (RX) Low
Pre-scan	12	sample(1)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid
Pre-scan	13	sample(1)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+MP4+LTE Band 5 (RX) High
Pre-scan	14	sample(1)+dapter+usb Cable+BT(Idle)+2.4GWLAN(Idle)+NFC ON+LTE Band 12 (RX) Low
Pre-scan	15	sample(1)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+FM+LTE Band 17 (RX) High
Pre-scan	16	sample(1)+Transfer data between the EUT and the PC+USB cable+BT(Idle)+5GWLAN(Idle)+LTE Band 26 (RX) High
Pre-scan	17	sample(2)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid
Pre-scan	18	sample(3)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid

6.1.3 Test Setup Diagram

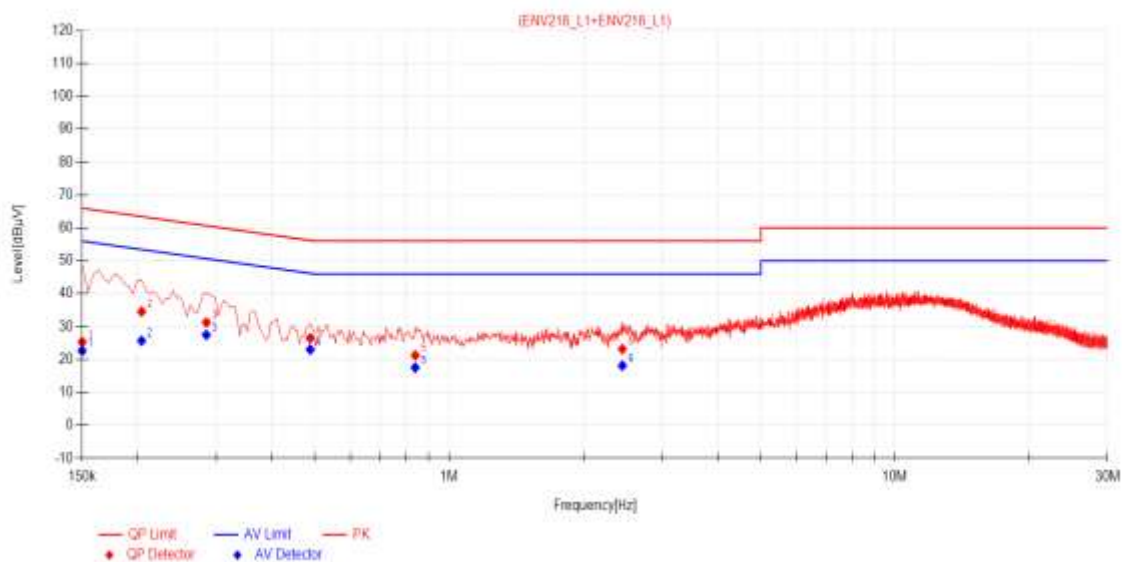


6.1.4 Measurement Procedure and Data

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.

Remark : Level= Read Level+ Cable Loss+ LISN Factor

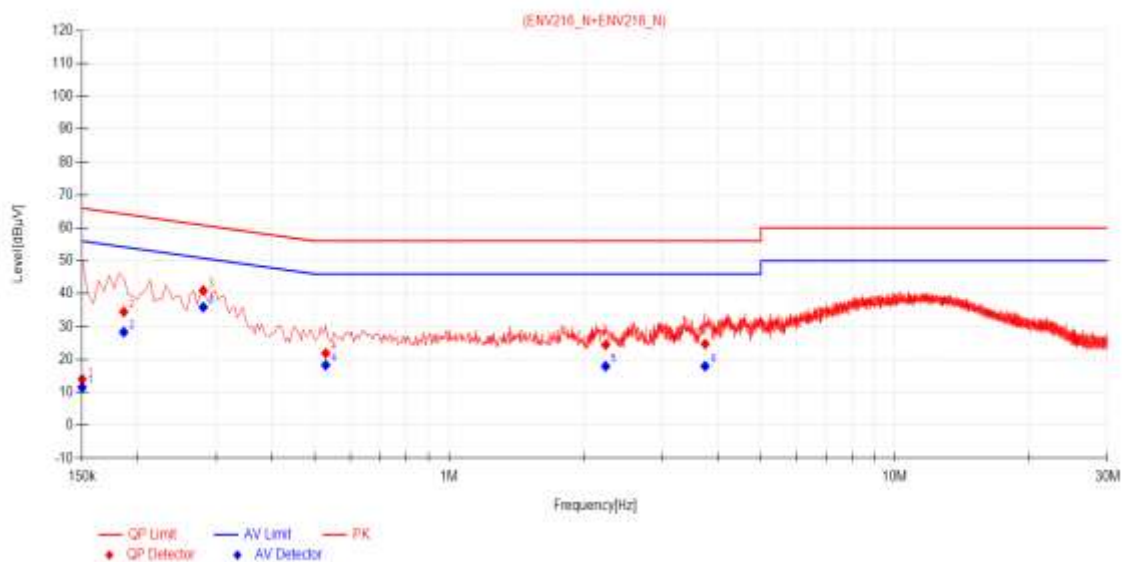
Test Mode: 11; Line: Live line



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	0.1500	9.96	15.34	25.30	66.00	40.70	12.72	22.68	56.00	33.32	PASS
2	0.2040	9.98	24.59	34.57	63.45	28.88	15.74	25.72	53.45	27.73	PASS
3	0.2850	9.95	21.35	31.30	60.67	29.37	17.53	27.48	50.67	23.19	PASS
4	0.4875	9.94	16.54	26.48	56.21	29.73	13.11	23.05	46.21	23.16	PASS
5	0.8385	9.91	11.38	21.29	56.00	34.71	7.66	17.57	46.00	28.43	PASS
6	2.4450	9.89	13.32	23.21	56.00	32.79	8.25	18.14	46.00	27.86	PASS

Test Mode: 11; Line: Neutral Line



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	0.1500	9.95	4.06	14.01	66.00	51.99	1.59	11.54	56.00	44.46	PASS
2	0.1860	9.94	24.57	34.51	64.21	29.70	18.41	28.35	54.21	25.86	PASS
3	0.2805	9.98	30.99	40.97	60.80	19.83	25.96	35.94	50.80	14.86	PASS
4	0.5280	9.92	11.99	21.91	56.00	34.09	8.37	18.29	46.00	27.71	PASS
5	2.2425	9.93	14.56	24.49	56.00	31.51	8.02	17.95	46.00	28.05	PASS
6	3.7500	9.94	14.81	24.75	56.00	31.25	8.06	18.00	46.00	28.00	PASS

6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4-2014

Limit:

Class B

Test Distance: 3m

30MHz -88MHz 40.0(dBμV/m) quasi-peak

88MHz-216MHz 43.5(dBμV/m) quasi-peak

216MHz-960MHz 46.0(dBμV/m) quasi-peak

960MHz-1000MHz 54.0(dBμV/m) quasi-peak

Detector: Peak for pre-scan (120kHz resolution bandwidth) 30MHz to1000MHz

Class B

Test Distance: 10m

30MHz -88MHz 29.5(dBμV/m) quasi-peak

88MHz-216MHz 33.1(dBμV/m) quasi-peak

216MHz-960MHz 35.6(dBμV/m) quasi-peak

960MHz-1000MHz 43.5(dBμV/m) quasi-peak

Detector: Peak for pre-scan (120kHz resolution bandwidth) 30MHz to1000MHz

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

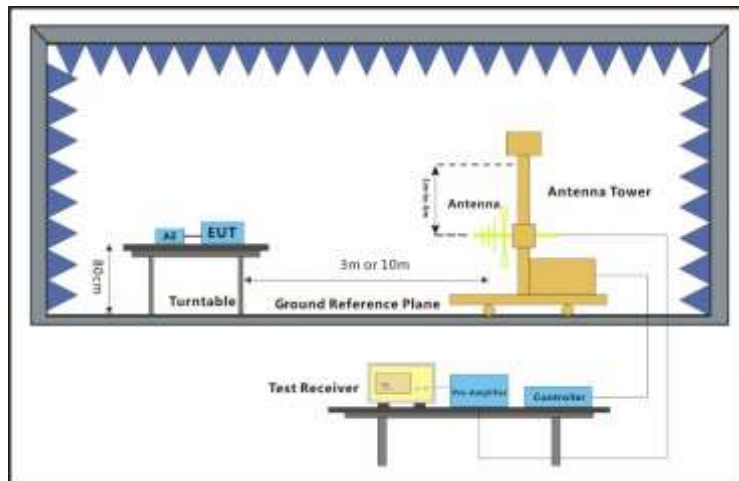
Humidity: 44 % RH

Atmospheric Pressure: 1001 mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	11	sample(1)+adapter+usb Cable+BT(Idle)+2.4GWLAN(Idle)+Camera(Rear)+GSM850 (RX) Low
Pre-scan	12	sample(1)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid
Pre-scan	13	sample(1)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+MP4+LTE Band 5 (RX) High
Pre-scan	14	sample(1)+dapter+usb Cable+BT(Idle)+2.4GWLAN(Idle)+NFC ON+LTE Band 12 (RX) Low
Pre-scan	15	sample(1)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+FM+LTE Band 17 (RX) High
Pre-scan	16	sample(1)+Transfer data between the EUT and the PC+USB cable+BT(Idle)+5GWLAN(Idle)+LTE Band 26 (RX) High
Pre-scan	17	sample(2)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid
Pre-scan	18	sample(3)+adapter+usb

6.2.3 Test Setup Diagram

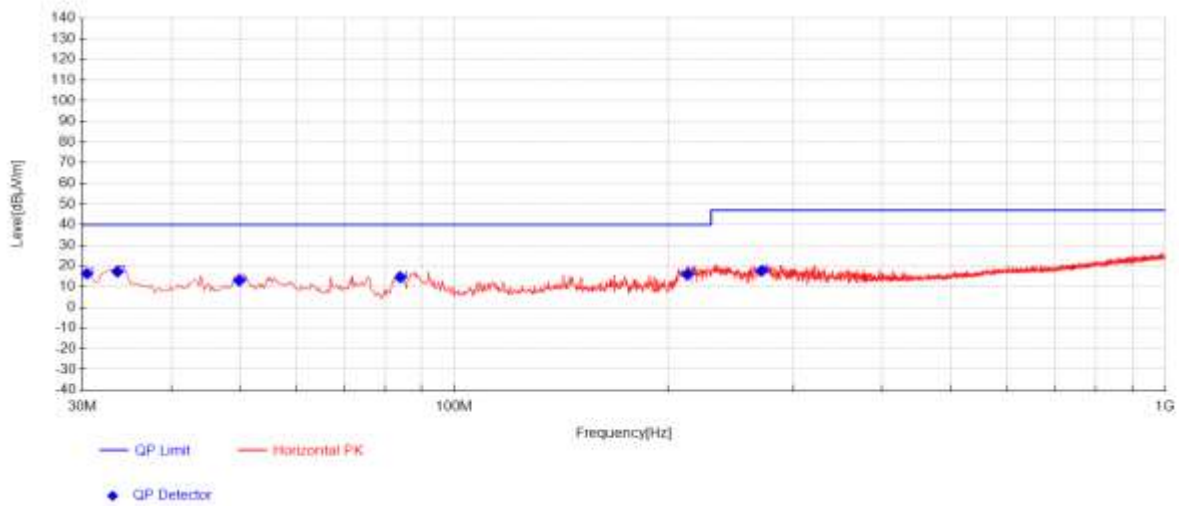


6.2.4 Measurement Procedure and Data

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.

Remark: $\text{Level} = \text{Read Level} + \text{Cable Loss} + \text{Antenna Factor} - \text{Preamplifier Factor}$

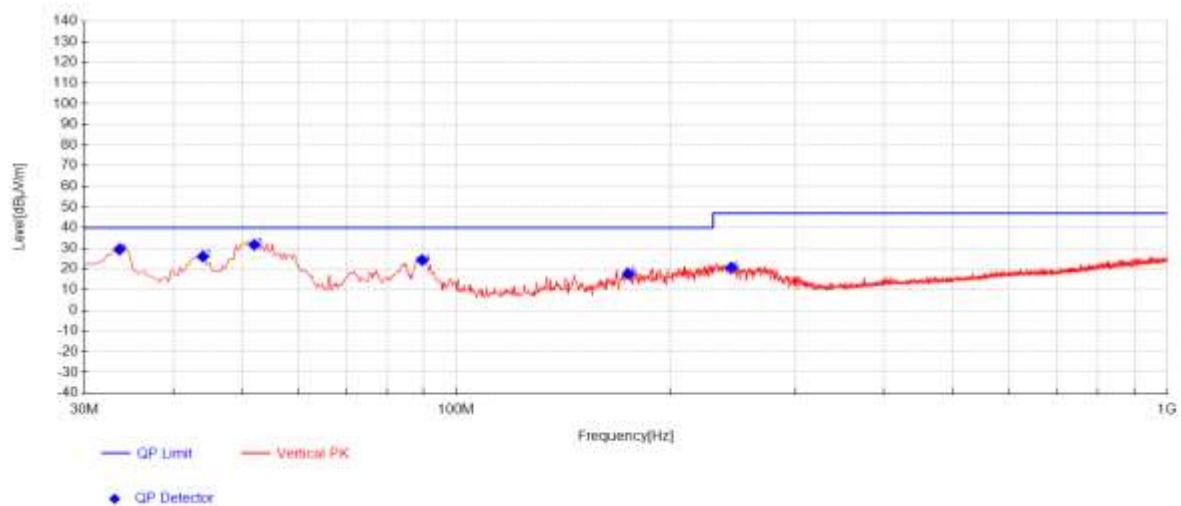
Test Mode: 11; Polarity: Horizontal



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	30.485	37.86	12.53	-34.02	16.37	40.00	23.63	186	182	Horizontal
2	33.6375	38.52	12.72	-33.97	17.27	40.00	22.73	174	128	Horizontal
3	49.885	33.18	13.50	-33.69	12.98	40.00	27.02	153	212	Horizontal
4	84.0775	38.72	9.14	-33.31	14.55	40.00	25.45	191	182	Horizontal
5	213.0875	38.05	10.19	-32.16	16.08	40.00	23.92	112	95	Horizontal
6	271.045	37.47	12.09	-31.79	17.76	47.00	29.24	105	72	Horizontal

Test Mode: 11; Polarity: Vertical



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	33.6375	50.73	12.72	-33.97	29.48	40.00	10.52	107	264	Vertical
2	44.065	46.51	13.32	-33.79	26.04	40.00	13.96	114	134	Vertical
3	52.0675	52.18	13.25	-33.66	31.77	40.00	8.23	192	148	Vertical
4	89.655	48.69	8.91	-33.26	24.34	40.00	15.66	135	264	Vertical
5	174.53	38.74	11.27	-32.40	17.61	40.00	22.39	127	65	Vertical
6	243.885	40.88	11.86	-32.01	20.73	47.00	26.27	118	58	Vertical

6.3 Radiated Emissions (Above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4-2014

Limit:

Class B

Above 1GHz 74(dBμV/m) peak, 54(dBμV/m) average

Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to18000MHz

6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C

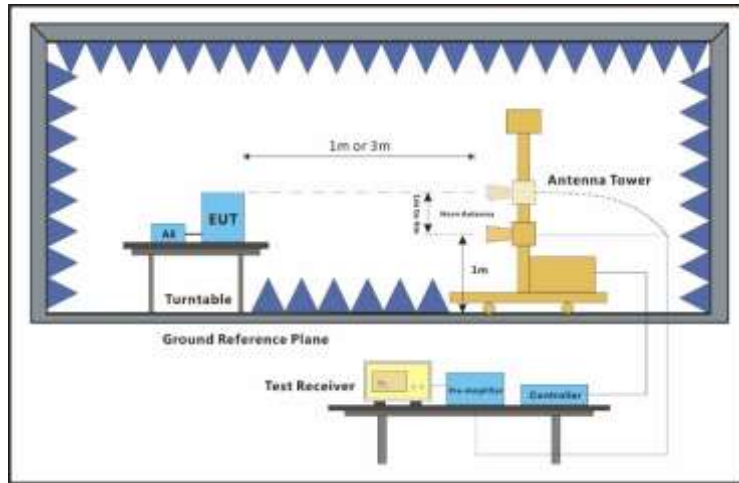
Humidity: 43 % RH

Atmospheric Pressure: 1001 mbar

6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	11	sample(1)+adapter+usb Cable+BT(Idle)+2.4GWLAN(Idle)+Camera(Rear)+GSM850 (RX) Low
Pre-scan	12	sample(1)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid
Pre-scan	13	sample(1)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+MP4+LTE Band 5 (RX) High
Pre-scan	14	sample(1)+dapter+usb Cable+BT(Idle)+2.4GWLAN(Idle)+NFC ON+LTE Band 12 (RX) Low
Pre-scan	15	sample(1)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+FM+LTE Band 17 (RX) High
Pre-scan	16	sample(1)+Transfer data between the EUT and the PC+USB cable+BT(Idle)+5GWLAN(Idle)+LTE Band 26 (RX) High
Pre-scan	17	sample(2)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid
Pre-scan	18	sample(3)+adapter+usb Cable+BT(Idle)+5GWLAN(Idle)+Camera(Front)+WCDMA Band 5(RX) Mid

6.3.3 Test Setup Diagram



6.3.4 Measurement Procedure and Data

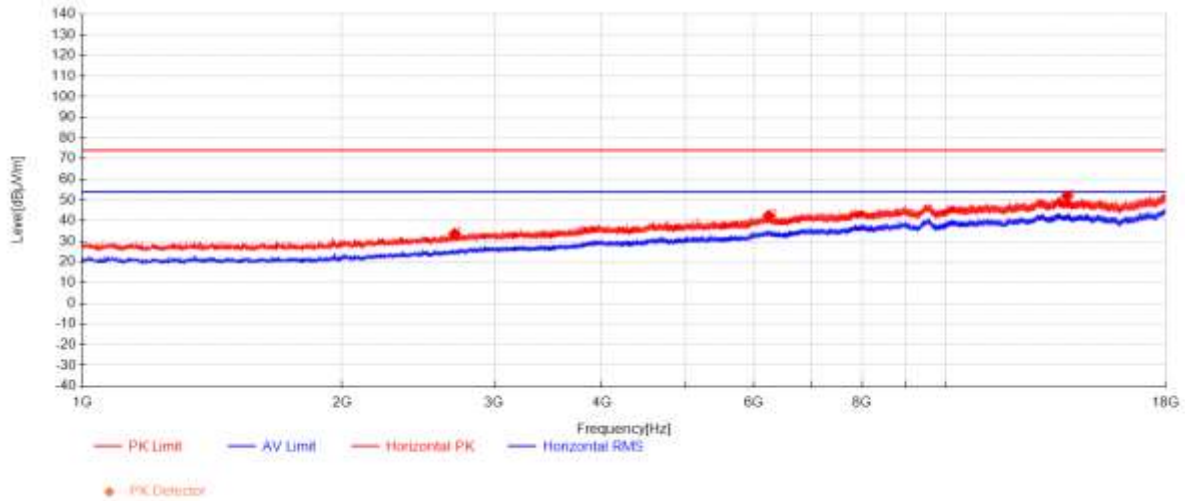
An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

The red line show in graphic is the limit in standard used in this section.

Remark:

1. $\text{Level} = \text{Read Level} + \text{Cable Loss} + \text{Antenna Factor} - \text{Preamp Factor}$
2. Scan above 18GHz, the disturbance in this frequency range was very low. Spurious emissions from the radiator that are attenuated more than 20 dB below the limit need not be reported.

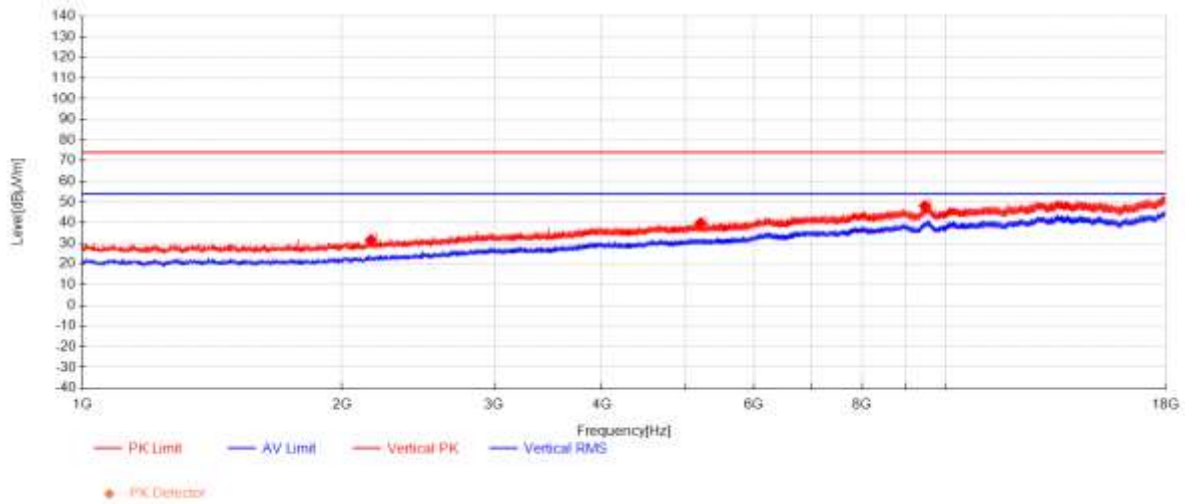
Test Mode: 11; Polarity: Horizontal



Data List

NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2699.575	52.95	28.40	-47.54	33.81	74.00	40.19	Horizontal
2	6241.1	51.64	34.98	-44.02	42.60	74.00	31.40	Horizontal
3	13816.3	46.96	40.31	-35.36	51.91	74.00	22.09	Horizontal

Test Mode: 11; Polarity: Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	2160.25	53.66	26.65	-48.58	31.73	74.00	42.27	Vertical
2	5200.275	51.73	33.06	-44.99	39.80	74.00	34.20	Vertical
3	9459.2	48.90	38.05	-38.78	48.16	74.00	25.84	Vertical



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7 Test Setup Photo

Refer to Appendix - Test Setup Photo for SUCR2602000109WM

8 EUT Constructional Details (EUT Photos)

Refer to Appendix_Photographs of EUT Constructional Details for SUCR2602000109WM

- End of the Report -