

TEST REPORT

Application No.: SUCR2507000669WM

Applicant: Guangdong OPPO Mobile Telecommunications Corp.,Ltd.

Address of Applicant: NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China

Manufacturer: Guangdong OPPO Mobile Telecommunications Corp.,Ltd.

Address of Manufacturer: NO.18 HaiBin Road, Wusha Village, Chang'an Town, DongGuan City, Guangdong Province, P.R. China

Equipment Under Test (EUT):

EUT Name: Mobile Phone

Model No.: CPH2797

Trade Mark: OPPO

FCC ID: R9C-OP24203

Standard(s) : 47 CFR Part 15, Subpart B

Date of Receipt: 2025-07-17

Date of Test: 2025-08-26 to 2025-09-04

Date of Issue: 2025-09-09

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.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Revision Record			
Version	Description	Date	Remark
01	Original	2025-09-09	/

Authorized for issue by:				
Tested By		Nature Shen		
		Nature_Shen/Project Engineer		
Approved By		Cloud Peng		
		Cloud Peng /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

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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 3.75V from internal rechargeable battery which can be charged by AC/DC adapter
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4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Router	Smauvwave Technology Co.,Ltd	SRT 421	SUWI-04-34-01
Computer	Lenovo	T14	SUWI-03-33-04
Mouse	Lenovo	3D optical Mouse	SUWI-03-33-05

4.3 Measurement Uncertainty & Decision Rule

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.

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**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 6336.01.

- **FCC**

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. has been recognized as an accredited testing laboratory. Designation Number: CN1321.

- **ISED**

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	2025/1/15	2026/1/14
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2025/2/13	2026/2/12
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	2025/2/13	2026/2/12
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2025/1/15	2026/1/14
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9168	SUWI-01-11-04	2024/8/22	2026/8/21
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2025/1/16	2026/1/15
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	2025/2/13	2026/2/12
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2025/1/20	2026/1/19
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	2025/1/16	2026/1/15
Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2025/1/20	2026/1/19
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

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: 24 °C

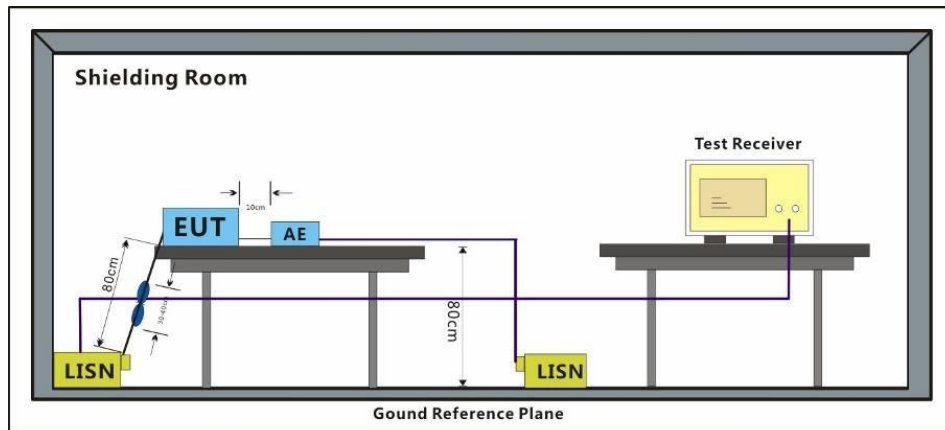
Humidity: 44 % RH

Atmospheric Pressure: 101 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	19	Telecom Idle+EUT+NFC+camera(Back)+USB cable+Adapter(worst)/earphone
Pre-scan	20	GSM 850(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	21	WCDMA Band 5(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	22	LTE band 5(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	23	LTE band 12(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	24	LTE band 13(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	25	LTE band 17(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	26	LTE band 26(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	27	NR_SA_N5(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	28	NR_SA_N12(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	29	NR_SA_N26(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone

6.1.3 Test Setup Diagram

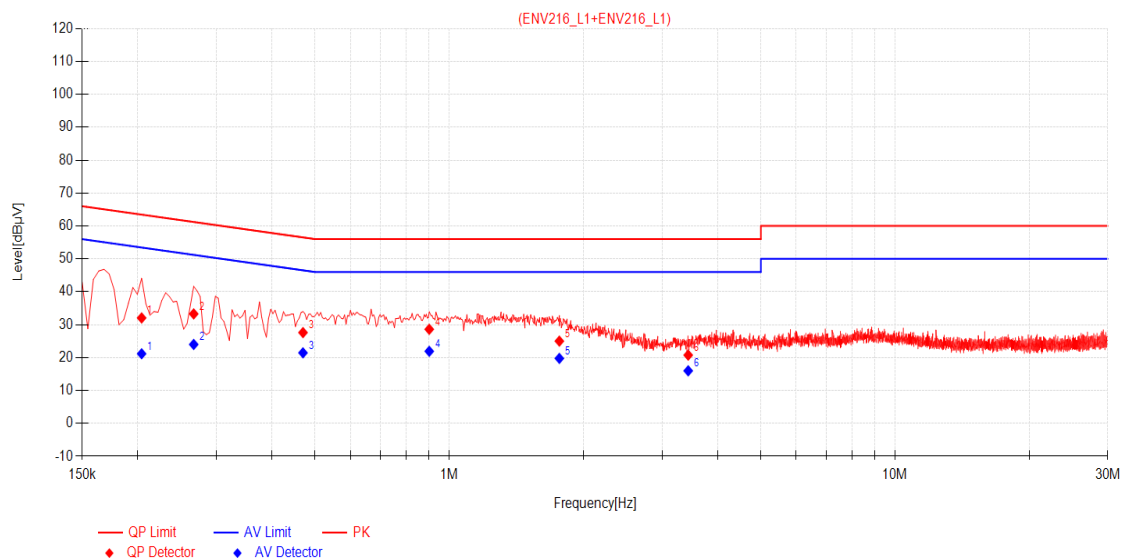


6.1.4 Measurement Procedure and Data

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

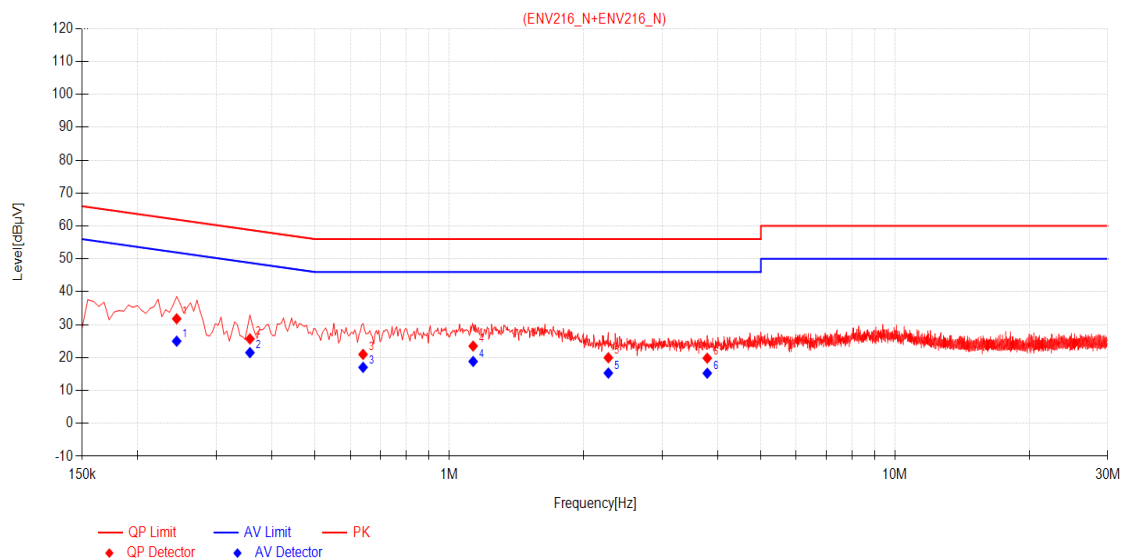
Test Mode: 19; Line: Live line



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	0.2040	10.06	21.99	32.05	63.45	31.40	11.11	21.17	53.45	32.28	PASS
2	0.2670	10.01	23.27	33.28	61.21	27.93	13.98	23.99	51.21	27.22	PASS
3	0.4695	9.98	17.62	27.60	56.52	28.92	11.46	21.44	46.52	25.08	PASS
4	0.9015	9.85	18.75	28.60	56.00	27.40	12.06	21.91	46.00	24.09	PASS
5	1.7655	9.84	15.16	25.00	56.00	31.00	9.92	19.76	46.00	26.24	PASS
6	3.4350	9.77	10.98	20.75	56.00	35.25	6.21	15.98	46.00	30.02	PASS

Test Mode: 19; 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	0.2445	9.94	21.86	31.80	61.94	30.14	15.04	24.98	51.94	26.96	PASS
2	0.3570	9.93	15.75	25.68	58.80	33.12	11.58	21.51	48.80	27.29	PASS
3	0.6405	9.97	11.00	20.97	56.00	35.03	7.06	17.03	46.00	28.97	PASS
4	1.1310	9.95	13.55	23.50	56.00	32.50	8.87	18.82	46.00	27.18	PASS
5	2.2740	9.86	10.10	19.96	56.00	36.04	5.43	15.29	46.00	30.71	PASS
6	3.7905	9.86	9.96	19.82	56.00	36.18	5.39	15.25	46.00	30.75	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: 24 °C

Humidity: 43 % RH

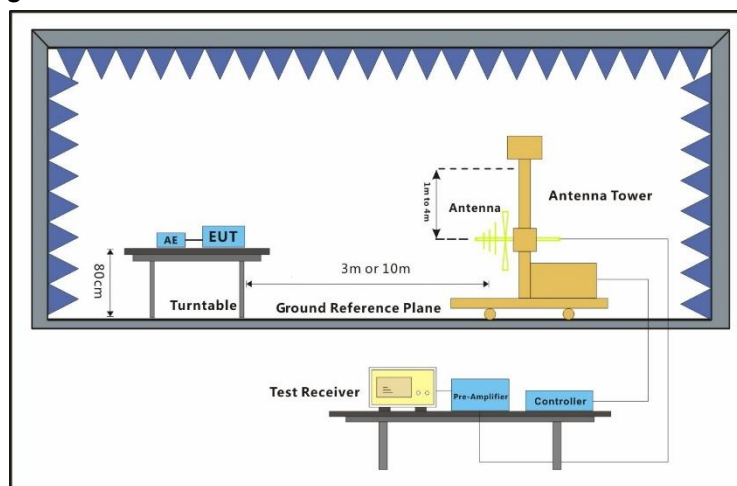
Atmospheric Pressure: 101 mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	Transfer data between the EUT and the PC+USB Cable
Final test	19	Telecom Idle+EUT+NFC+camera(Back)+USB cable+Adapter(worst)/earphone
Pre-scan	20	GSM 850(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	21	WCDMA Band 5(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	22	LTE band 5(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	23	LTE band 12(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	24	LTE band 13(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	25	LTE band 17(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	26	LTE band 26(RX)+EUT+NFC+BT+WLAN2.4G+USB

		cable+Adapter(worst)/earphone
Pre-scan	27	NR_SA_N5(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	28	NR_SA_N12(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	29	NR_SA_N26(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone

6.2.3 Test Setup Diagram

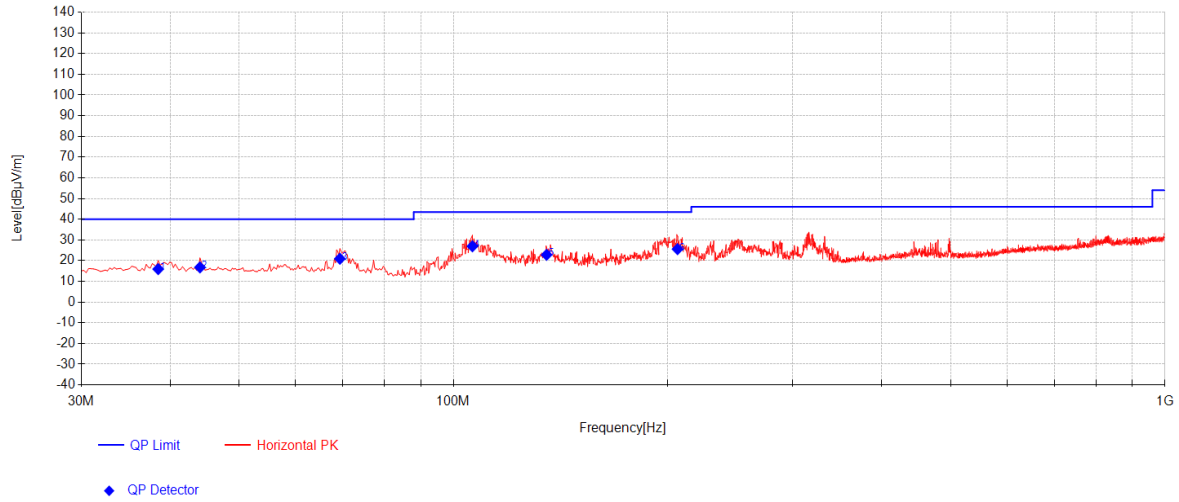


6.2.4 Measurement Procedure and Data

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.

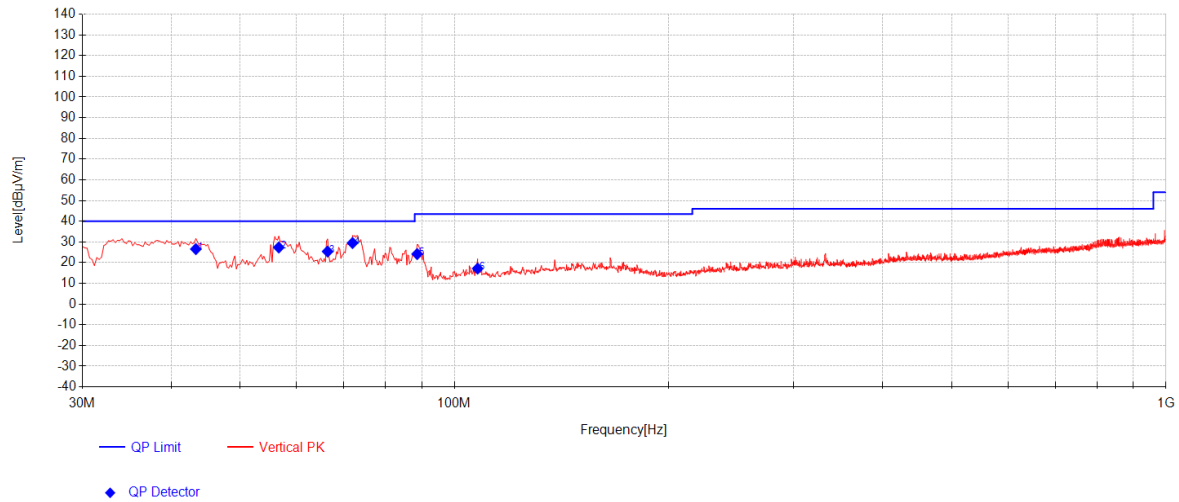
Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Test Mode: 18; 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	38.4875	31.22	18.60	-33.89	15.93	40.00	24.07	165	351	Horizontal
2	44.065	31.75	18.81	-33.79	16.77	40.00	23.23	178	260	Horizontal
3	69.285	37.88	16.49	-33.43	20.94	40.00	19.06	169	190	Horizontal
4	106.3875	44.51	15.48	-33.04	26.95	43.50	16.55	217	276	Horizontal
5	135.245	37.11	18.52	-32.80	22.83	43.50	20.67	244	231	Horizontal
6	206.54	42.51	15.26	-32.20	25.57	43.50	17.93	178	301	Horizontal

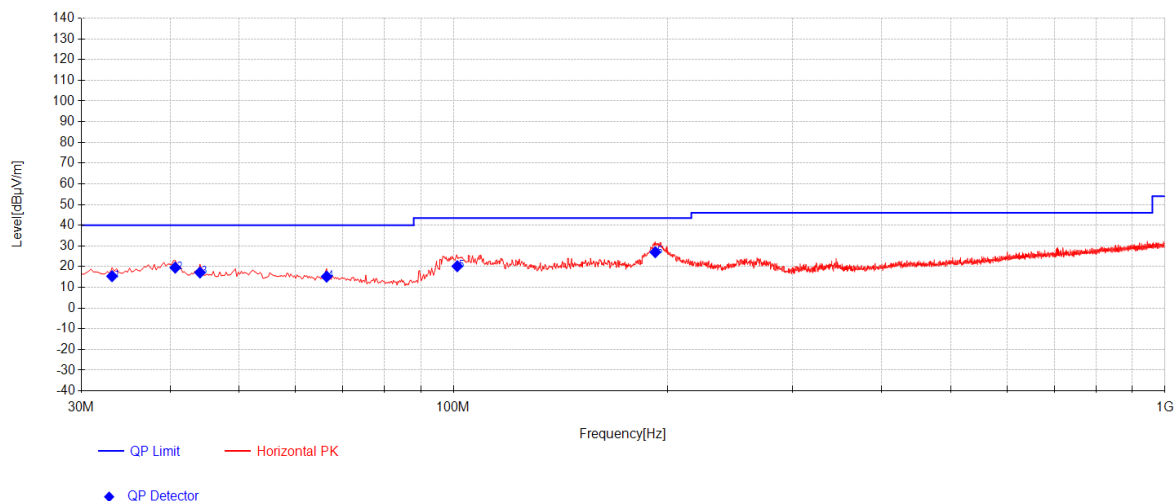
Test Mode: 18; Polarity: Vertical



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	43.3375	41.56	18.80	-33.80	26.56	40.00	13.44	154	17	Vertical
2	56.675	42.81	18.13	-33.60	27.34	40.00	12.66	169	17	Vertical
3	66.375	41.63	17.23	-33.47	25.39	40.00	14.61	216	310	Vertical
4	71.9525	46.71	16.20	-33.40	29.50	40.00	10.50	284	46	Vertical
5	88.685	42.91	14.53	-33.27	24.17	43.50	19.33	138	17	Vertical
6	107.8425	34.66	15.52	-33.02	17.16	43.50	26.34	147	2	Vertical

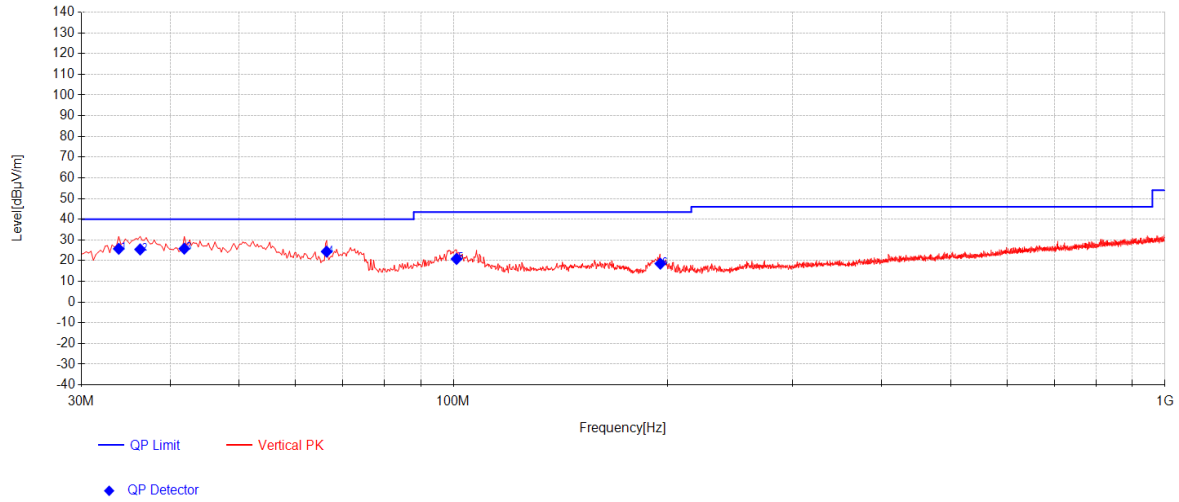
Test Mode: 19; Polarity: Horizontal



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	33.1525	31.24	18.12	-33.98	15.38	40.00	24.62	154	232	Horizontal
2	40.67	34.57	18.80	-33.85	19.52	40.00	20.48	174	232	Horizontal
3	44.065	32.16	18.81	-33.79	17.18	40.00	22.82	197	342	Horizontal
4	66.375	31.44	17.23	-33.47	15.20	40.00	24.80	211	59	Horizontal
5	101.295	38.49	14.83	-33.11	20.21	43.50	23.29	254	162	Horizontal
6	192.2325	43.87	15.43	-32.31	26.99	43.50	16.51	133	178	Horizontal

Test Mode: 19; 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	33.88	41.52	18.19	-33.96	25.74	40.00	14.26	154	71	Vertical
2	36.305	40.98	18.36	-33.92	25.42	40.00	14.58	167	71	Vertical
3	41.8825	40.91	18.71	-33.83	25.79	40.00	14.21	189	71	Vertical
4	66.375	40.61	17.23	-33.47	24.37	40.00	15.63	142	159	Vertical
5	101.0525	39.14	14.81	-33.11	20.83	43.50	22.67	214	262	Vertical
6	195.385	35.47	15.36	-32.29	18.54	43.50	24.96	271	269	Vertical

6.3 Radiated Emissions (Above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4-2014

Measurement Distance: 3m

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: 24 °C

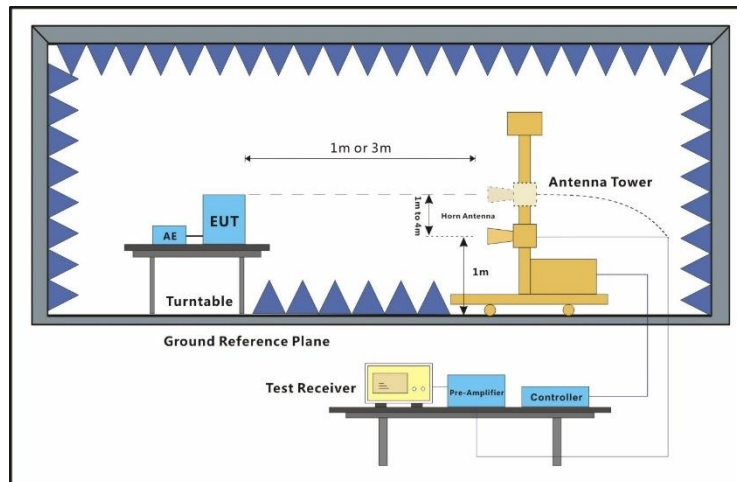
Humidity: 43 % RH

Atmospheric Pressure: 101 mbar

6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	Transfer data between the EUT and the PC+USB Cable
Pre-scan	19	Telecom Idle+EUT+NFC+camera(Back)+USB cable+Adapter(worst)/earphone
Pre-scan	20	GSM 850(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	21	WCDMA Band 5(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	22	LTE band 5(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	23	LTE band 12(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	24	LTE band 13(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	25	LTE band 17(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	26	LTE band 26(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	27	NR_SA_N5(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	28	NR_SA_N12(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone
Pre-scan	29	NR_SA_N26(RX)+EUT+NFC+BT+WLAN2.4G+USB cable+Adapter(worst)/earphone

6.3.3 Test Setup Diagram



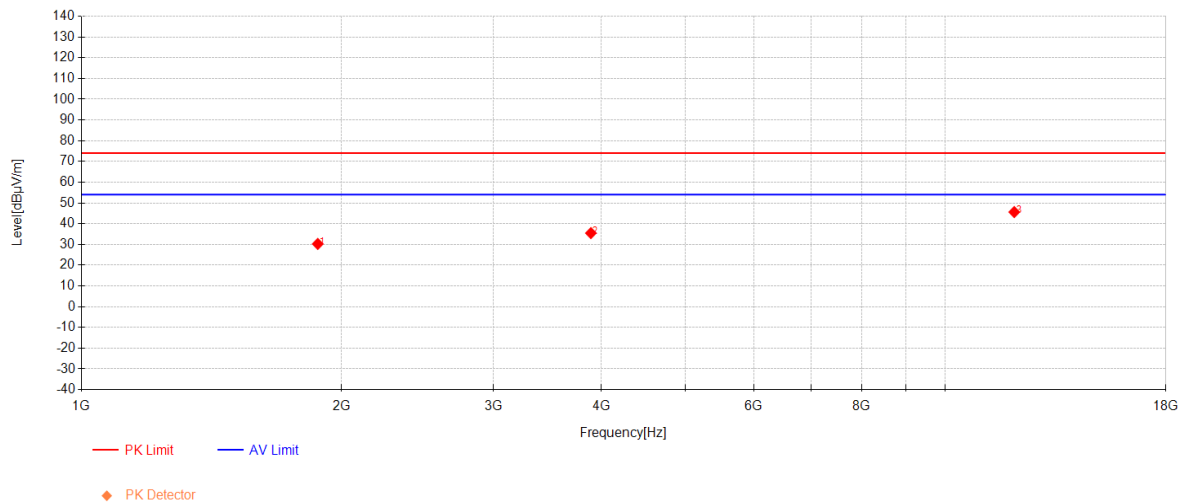
6.3.4 Measurement Procedure and Data

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.

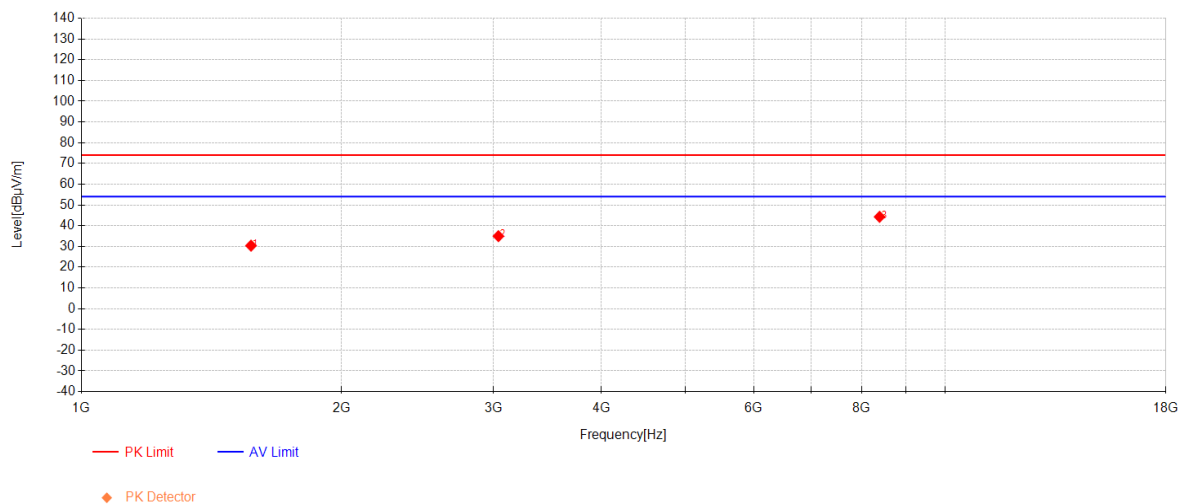
Remark: $\text{Level} = \text{Read Level} + \text{Cable Loss} + \text{Antenna Factor} - \text{Preamplifier Factor}$

Test Mode: 18; Polarity: Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	1878.05	51.26	25.26	-46.27	30.25	74.00	43.75	Horizontal
2	3888.3	47.45	30.92	-42.90	35.47	74.00	38.53	Horizontal
3	12013.875	36.73	38.42	-29.53	45.62	74.00	28.38	Horizontal

Test Mode: 18; Polarity: Vertical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	1572.05	52.57	24.67	-46.87	30.37	74.00	43.63	Vertical
2	3039.15	49.44	29.51	-43.98	34.97	74.00	39.03	Vertical
3	8391.175	42.67	37.30	-35.68	44.29	74.00	29.71	Vertical

7 Test Setup Photo

Refer to Appendix - Test Setup Photo for SUCR2507000669WM

8 EUT Constructional Details (EUT Photos)

Refer to Appendix_Photographs of EUT Constructional Details for SUCR2507000669WM

- End of the Report -