Report No.: AAEMT/RF/240723-01-01



FCC Test Report

(Part 24)

Client Information:

*Applicant: Netradyne Inc

*Applicant add.: 9171 Towne Centre Drive, Suite 110, San Diego, CA 92122

Product Information:

*EUT Name: Lumia 3

*Model No.: DCM-NA1-300

*Brand Name: **netradyne**

FCC ID: 2AM8R-DCM-NA1-300

Standards: FCC PART 24

AA Electro Magnetic Test Laboratory Private Limited

Add.: Plot No 174, Udyog Vihar - Phase 4, Sector 18,

Gurgaon, Haryana, India

Date of Receipt: Jul. 23, 2024 Date of Test: Jul. 23~ Dec. 03, 2024

Date of Issue: Dec. 26, 2024 Test Result: Pass

Disclaimer: The * Information are provided by Manufacturer and it is verified through the Request form and Marking Label, AA Electro Magnetic Test Laboratory is not responsible for the above information accuracy. This device described above has been tested by AA Electro Magnetic Test Laboratory Private Limited, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

*This test report must not be used by the client to claim product endorsement by any agency of the U.S. government.

Prepared By: (+ signature) Ankur Kumar:

Reviewed & Approved by: (+ signature)

Dr. Lenin Raja (Authorized Representative) (/ lenin83/)





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2 Test Summary

2.1 Compliance with FCC Part 24 subpart E

TEST	TEST REQUIREMENT	RESULT	REMARK
Equivalent Isotropic Radiated Power	2.1046 24.232	PASS	Meet the requirement of limit.
Frequency Stability	2.1055 24.235	PASS	Meet the requirement of limit.
Occupied Bandwidth	2.1049 24.238(b)	PASS	Meet the requirement of limit.
Peak to average ratio	24.232(d)	PASS	Meet the requirement of limit.
Band Edge Measurements	24.238(b)	PASS	Meet the requirement of limit.
Conducted Spurious Emissions	2.1051 24.238	PASS	Meet the requirement of limit.
Radiated Spurious Emissions	2.1053 24.238	PASS	Meet the requirement of limit.



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2.2 Measurement Uncertainty

All measurements involve certain levels of uncertainties, the following measurements uncertainty Levels have estimated based on standards, the maximum value of the uncertainty as below:

No.	Item	Uncertainty	
1	Conducted Emission Test	2.82dB	
2	Radiated Emission Test	2.79dB	

2.3 Test Location

All tests were performed at:

AA Electro Magnetic Test Laboratory Private Limited

Plot No 174, Udyog Vihar - Phase 4, Sector 18, Gurgaon, Haryana, India

Tel.: +91-0124-4235350



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3 Test Facility

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

ILAC / NABL Accreditation No.: TC-8597

Three 3m Semi-Anechoic Chamber, 1 full-Anechoic chamber and 2 Shielding Rooms of AA Electro Magnetic Test Laboratory Private Limited have been registered by National Accreditation Board for Testing and Calibration Laboratories (NABL).

ILAC -A2LA Accreditation No.: 5593.01

Three 3m Semi-Anechoic Chamber, 1 full-Anechoic chamber and 2 Shielding Rooms of AA Electro Magnetic Test Laboratory Private Limited have been registered American Association of Laboratory Accreditation (A2LA.)

FCC- Recognition No.: 137777

Three 3m Semi-Anechoic Chamber, 1 full-Anechoic chamber and 2 Shielding Rooms of AA Electro Magnetic Test Laboratory Private Limited have been registered by Federal Communications Commission (FCC).

ISED Recognition No.: 26046

Three 3m Semi-Anechoic Chamber, 1 full-Anechoic chamber and 2 Shielding Rooms of AA Electro Magnetic Test Laboratory Private Limited have been registered by Institute for Social and Economic Development. (ISED)

VCCI- Registration No: 4053

Three 3m Semi-Anechoic Chamber, 1 full-Anechoic chamber and 2 Shielding Rooms of AA Electro Magnetic Test Laboratory Private Limited have been registered by Voluntary Control Council for Interference.(VCCI)

TEC Designation No.: IND063

Three 3m Semi-Anechoic Chamber, 1 full-Anechoic chamber and 2 Shielding Rooms of AA Electro Magnetic Test Laboratory Private Limited have been registered by Telecommunication Engineering (TEC) Center

BIS Recognition No: 816586

BIS recognized as per CRS scheme for IT electronics, LED control gears, Lamp, Inverter / UPS are recognized as per LRS 2020

3.1 Deviation from standard

None

3.2 Abnormalities from standard conditions

None



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4 General Information

4.1 General Description of EUT

*Manufacturer:	Netradyne Inc			
*Manufacturer Address:	9171 Towne Centre Drive, Suite 110, San Diego, CA 92122			
*EUT Name:	Lumia 3			
*Model No:	DCM-NA1-300			
*Brand Name:	netradyne			
*Derivative model No.:	N/A			
Frequency Range:	LTE Band 2 Channel Bandwidth: 20MHz			
Modulation Technology:	LTE Band 2: QPSK			
Antenna Gain(dBi):	1dBi			
*H/W No.:	001-10-00008			
*S/W No.:	EC25AFXDGAR07A02M1G			
Power Supply Range:	Input: 5VDC 1A			
Condition of Sample on receipt	Good / Satisfactory / Fit for Testing			
Opinions and Interpretations:	See the specific Note / Annexure if any in	the whole /full report/NA		
Note:				
1. For a more detailed features description, please refer to the manufacture specifications or the User's Manual.				

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4.2 EUT channels and frequencies list:

LTE BAND 2

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation
-	EIRP	18700 to 19100	18700, 18900, 19100	20MHz	QPSK
-	Frequency Stability	18700 to 19100	18700, 18900, 19100	20MHz	QPSK
-	Occupied Bandwidth	18700 to 19100	18700, 18900, 19100	20MHz	QPSK
-	Peak to Average Ratio	18700 to 19100	18700, 18900, 19100	20MHz	QPSK

EUT Configur	Available Test Item Channel		Tested Channel	Channel Bandwidth	Modulation
			18700	20MHz	QPSK
-	Band Edge	18700 to 19100	19100	20MHz	QPSK
	Conducted Spurious	18700 to 19100	18700, 18900, 19100	20MHz	QPSK
-	Radiated Spurious	18700 to 19100	18700, 18900, 19100	20MHz	QPSK



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4.3 EUT Peripheral List

No.	Equipment	Manufacturer	FCC ID	Model No.	Serial No.	Power cord	Remark
1.	N/A	N/A	N/A	N/A	N/A	N/A	N/A

4.4 Test Peripheral List

No.	Equipment	Manufacturer	EMC Compliance	Model No.	Serial No.	Power cord	signal cable
1.	Laptop	DELL	N/A	Latitude E7240	6SJ2T02	2m unshielded	N/A

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5 Equipments List for All Test Items

No	Test Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal.Due Date
1	Spectrum Analyzer	Rohde and Schwarz	FSP	101163	2023/02/13	2025/02/13
2	Loop antenna	DAZE Beijing	ZN30900C	18052	2023/09/15	2026/09/15
3	Hi power horn antenna	DAZE Beijing	ZN30700	18012	2023/09/11	2026/09/10
4	MXA Signal Analyzer	Keysight	N9020A	6272323218	2023/07/27	2025/07/27
5	Horn antenna	DAZE Beijing	ZN30703	18005	2023/09/11	2026/09/10
6	Pre amplifier	KELIANDA	LNA-0009295	-	2024/01/10	2025/01/10
7	Pre amplifier	KELIANDA	CF-00218	-	2024/01/10	2025/01/10
8	Biconical Antenna	DAZE Beijing	ZN30505C	17038	2023/09/11	2026/09/10
9	EMI-RECEIVER	Schwarzbeck	FCKL	1528194	2024/01/10	2025/01/10
10	LISN	Kyoritsu	KNW-407	8-1789-5	2024/01/10	2025/01/10
11	Network-LISN	SCHWAR ZBECK	NNBM8125	81251314	2024/01/10	2025/01/10
12	Network-LISN	SCHWAR ZBECK	NNBM8125	81251315	2024/01/10	2025/01/10
13	PULSELIMITER	Rohde and Schwarz	ESH3-Z2	100681	-	-
14	50Ω Coaxial Switch	DAIWA	1565157	-	-	-
15	50Ω Coaxial Switch	-	-	-	-	-
16	Wireless signal power meter	DARE!!	RPR3006W	RFSW190220	2024/01/13	2025/01/13
17	Signal Generator	KEYSIGHT	N5181A	512071	2024/01/10	2026/01/10
18	RF Vector Signal Generator	Keysight	N5182B	512094	2024/01/10	2026/01/10





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	Report No.: AAEWI1/Ri/240/23-01-01							
19	Spectrum analyzer	R&S	FSV-40N	101385	2023/04/28	2025/04/28		
20	Radio Communication Tester	R&S	CMW 500	124589	2023/09/08	2025/09/08		
21	Signal Generator	R&S	SMP02	837017/004 836593/005	2023/09/08	2025/09/08		
22	DC Regulated Power	Metravi	RPS-3005	669076	2023/12/12	2024/12/11		
23	Climatic Chamber	Sunrise Scientific Instruments	-	-	2024/11/06	2025/11/05		
24	Attenuators	AGILENT	8494B	-	-	-		
25	Attenuators	AGILENT	8495B	-	-	-		
26	Radio Communication Analyzer	Anritsu	MT8820C	6201396651	2024/01/10	2026/01/10		
27	Radio Communication Analyzer	Anritsu	MT8821C	6272533819	2023/12/08	2024/12/08		



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5.1 Output Power Measurement

5.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Mobile and portable stations are limited to 2 watts EIRP.

5.1.2 TEST PROCEDURES

EIRPMEASUREMENT:

- All measurements were done at low, middle and high operational frequency range.
 RBW and VBW is 10MHz for LTE mode.
- b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power level of S.G
- d. EIRP = Output power level of S.G -TX cable loss + Antenna gain

CONDUCTED POWER MEASUREMENT:

The EUT was set up for the maximum power with GSM, GPRS, EDGE & WCDMA link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.



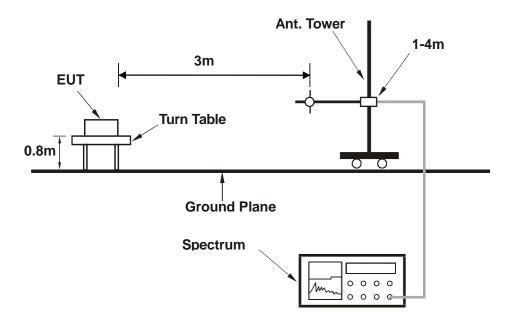
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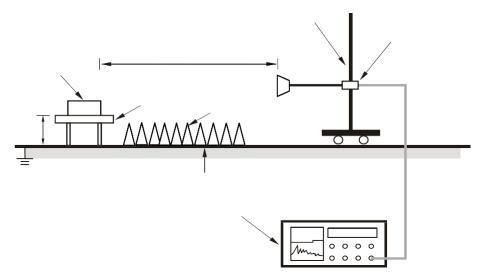
5.1.3 TEST SETUP

EIRP/ERP Measurement:

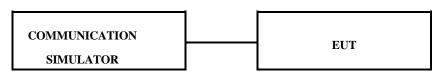
< Radiated Emission below or equal 1 GHz>



< Radiated Emission above 1 GHz>



CONDUCTED POWER MEASUREMENT:







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5.1.4 Test results

AVERAGE CONDUCTED OUTPUT POWER (dBm)

LTE Band 2						
Modulation	Bandwidth	Channels	Frequency	Tx Average (dBm)		
		18700	1860	21.89		
QPSK	20MHz	18900	1880	22.51		
_		19100	1900	21.93		

REMARKS: 1. EIRP Output Power (dBm) = SPALVL(dBm) + Correction Factor (dB).

2. Correction factor (dB) = Free Space Loss + Antenna Factor + Cable Loss





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5.2 FREQUENCY STABILITY MEASUREMENT

5.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

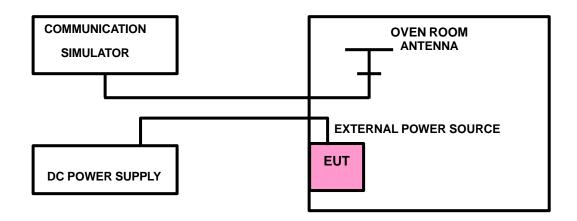
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

5.2.2 TEST PROCEDURE

- a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ± 0.5 °C during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

5.2.3 TEST SETUP



AAEMT/A2LA/TRF/FCC-PART 24/24_01_REV1





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5.2.4 TEST RESULTS

Frequency Error vs. Temperature

		LTE I Channel Bandw	3and 2 idth: 20MHz		
Temp. (°C)	Low C	hannel	High Channel		
Temp. (C)	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-20	1860.01200	6.4516	1900.01100	5.7894	
20	1860.01030	5.5376	1900.00830	4.3684	
50	1860.00970	5.2150	1900.01040	5.4736	





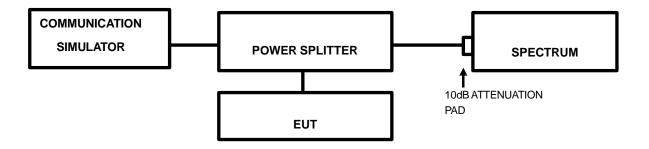
Report No.: AAEMT/RF/240723-01-01

5.3 OCCUPIED BANDWIDTH MEASUREMENT

5.3.1 TEST PROCEDURES

The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

5.3.2 TEST SETUP





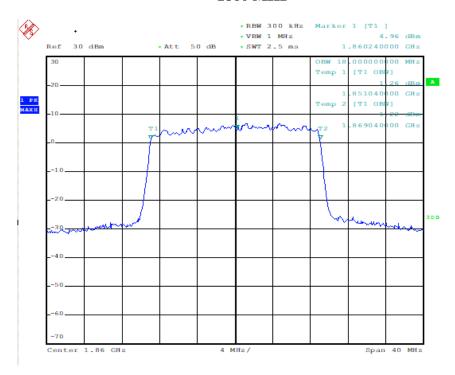


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5.3.3 TEST RESULTS

LTE Band 2							
	Channel Ban	dwidth: 20 MHz					
Channal	Frequency (MHz)	99 % Occupied Bandwidth (MHz)					
Channel	1	QPSK					
18700	1860	18.00					
40000	1000	17.02					
18900	1880	17.92					

1860 MHz

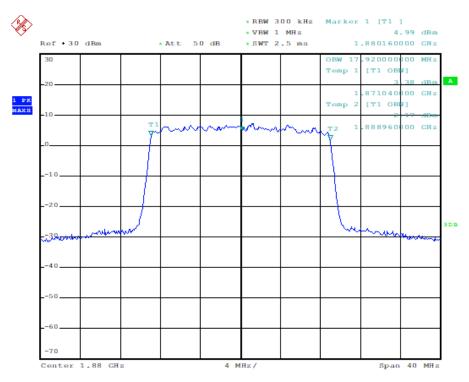




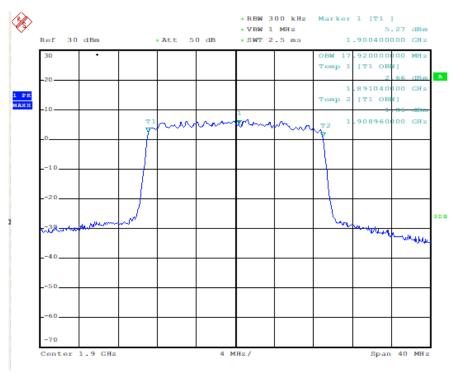


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1880MHz



1900 MHz







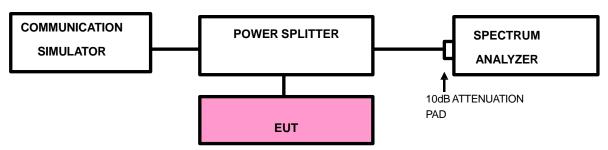
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5.4 BAND EDGE MEASUREMENT

5.4.1LIMITS OF BAND EDGE MEASUREMENT

Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 +10 log (P) dB. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

5.4.2TEST SETUP



5.4.3TEST PROCEDURES

- a. All measurements were done at low and high operational frequency range.
- b. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz. RBW of the spectrum is 20 KHz and VBW of the spectrum is 100 kHz. (LTE bandwidth 1.4MHz)
- C. Record the max trace plot into the test report.

AAEMT/A2LA/TRF/FCC-PART 24/24_01_REV1





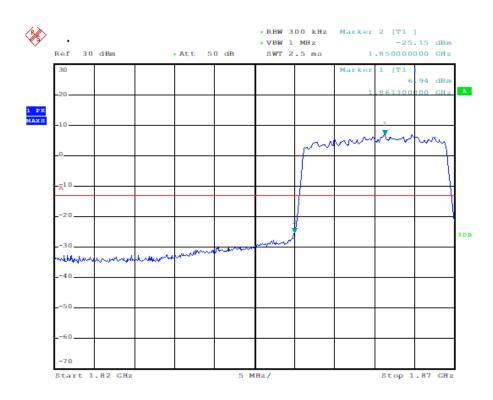
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6.5.4. TEST RESULTS

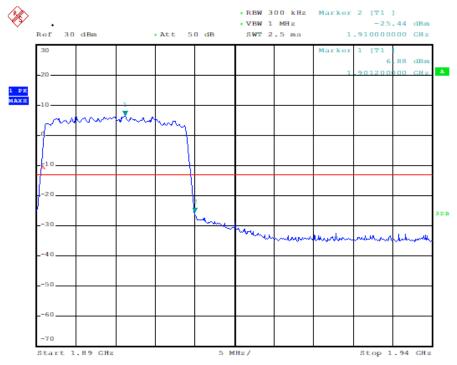
LTE Band 2

Channel Bandwidth: 20 MHz

1860MHz



1900MHz







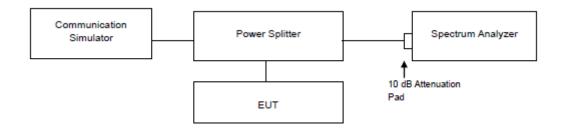
Report No.: AAEMT/RF/240723-01-01

5.5 PEAK TO AVERAGE RATIO

5.3.4 Limits of Peak to Average Ratio Measurement

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

5.3.5 Test Setup



5.3.6 Test Procedures

- 1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
- 2. Set the number of counts to a value that stabilizes the measured CCDF curve;
- 3. Record the maximum PAPR level associated with a probability of 0.1 %.





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5.3.7 Test Result

LTE Band 2						
	Channel Ban	dwidth: 20 MHz				
Charry I	Frequency (MHz)	Peak to Average Ratio (dB)				
Channel	,	QPSK				
18700	1860	4.22				
18900	1880	4.31				
19100	1900	4.24				

1860MHz







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1880MHz



1900MHz







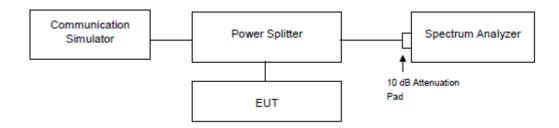
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5.4 Conducted Spurious Emissions

5.4.1 Limits of Conducted Spurious Emissions Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P) dB$. The emission limit equal to -13 dBm.

5.4.2 Test Setup



5.4.3 Test Procedure

- a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 9 kHz to 1 GHz. 10 dB attenuation pad is connected with spectrum.
 RBW = 100 kHz and VBW = 300 kHz is used for conducted emission measurement.
- c. Measuring frequency range is from 1 GHz to 27 GHz. 10 dB attenuation pad is connected with spectrum.
 RBW = 1 MHz and VBW = 3 MHz is used for conducted emission measurement.





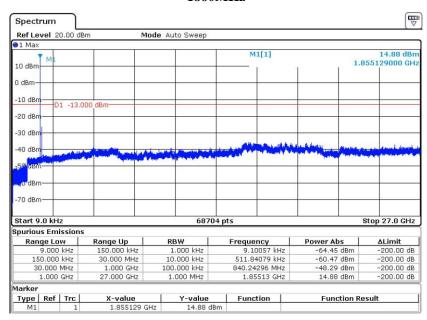
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5.4.4 Test Results

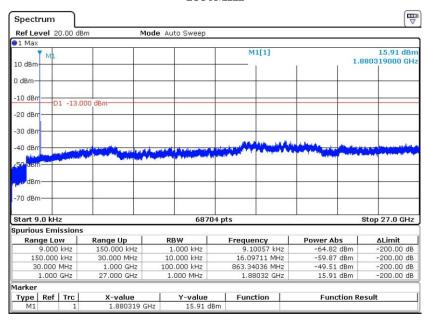
LTE Band

Channel Bandwidth: 20 MHz

1860MHz



1880MHz

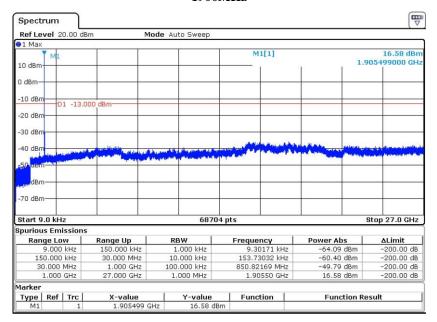






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1900MHz







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5.5 Radiated Emission Measurement

5.5.1 Limits of Radiated Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P) dB$. The emission limit is equal to -13 dBm.

5.5.2 Test Procedure

- 1. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- 2. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G.
- 3. EIRP = Output power level of S.G TX cable loss + Antenna gain
- 4. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.R.P power 2.15 dB

NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.

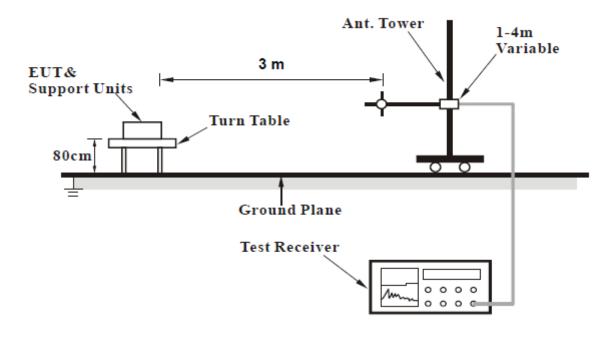




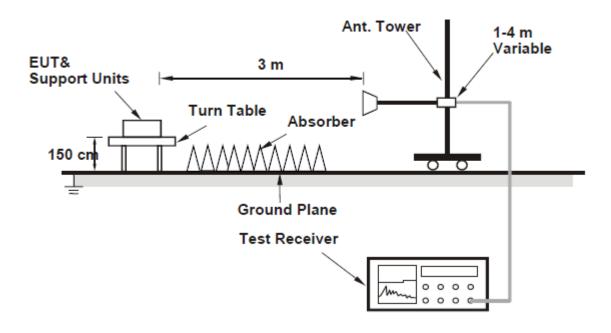
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5.5.3 Test Setup

< Radiated Emission below or equal 1 GHz>



< Radiated Emission above 1 GHz>







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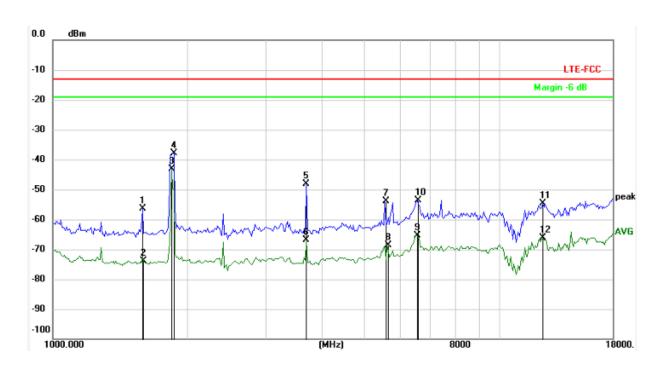
5.5.4 Test Results

LTE Band 2

Channel Bandwidth: 20 MHz

CH 18700

1GHz-18GHz Horizontal



No.	Frequency (MHz)	Factor (dBm)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	1589.447	22.21	-78.46	-56.25	-13.00	-43.25	peak
2	1598.680	22.22	-96.13	-73.91	-13.00	-60.91	AVG
3	1847.783	22.60	-65.61	-43.01	-13.00	-30.01	AVG
4	1860.000	22.63	-60.46	-37.83	-13.00	-24.83	peak
5	3702.714	29.43	-77.49	-48.06	-13.00	-35.06	peak
6	3702.714	29.43	-96.31	-66.88	-13.00	-53.88	AVG
7	5554.060	34.83	-88.66	-53.83	-13.00	-40.83	peak
8	5618.776	35.01	-103.68	-68.67	-13.00	-55.67	AVG
9	6532.008	29.99	-95.27	-65.28	-13.00	-52.28	AVG
10	6569.953	31.25	-84.84	-53.59	-13.00	-40.59	peak
11	12569.175	47.75	-102.38	-54.63	-13.00	-41.63	peak
12	12569.175	47.75	-113.85	-66.10	-13.00	-53.10	AVG

Note: Markers 3 & 4 are intentional frequency from EUT.





Report No.: AAEMT/RF/240723-01-01

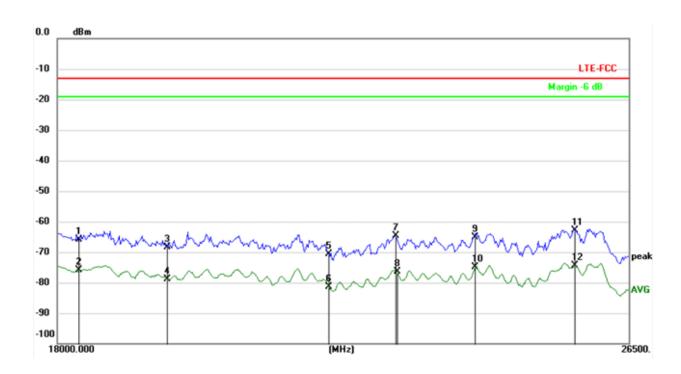
LTE Band 2

Channel Bandwidth: 20 MHz

CH 18700

18GHz-26.5GHz

Vertical



No.	Frequency (MHz)	Factor (dBm)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	18267.044	-0.32	-65.60	-65.92	-13.00	-52.92	peak
2	18267.044	-0.32	-75.66	-75.98	-13.00	-62.98	AVG
3	19390.456	0.05	-68.37	-68.32	-13.00	-55.32	peak
4	19390.456	0.05	-78.92	-78.87	-13.00	-65.87	AVG
5	21629.747	0.78	-71.32	-70.54	-13.00	-57.54	peak
6	21629.747	0.78	-82.12	-81.34	-13.00	-68.34	AVG
7	22624.313	1.30	-65.90	-64.60	-13.00	-51.60	peak
8	22641.856	1.32	-77.61	-76.29	-13.00	-63.29	AVG
9	23867.239	1.70	-66.75	-65.05	-13.00	-52.05	peak
10	23885.745	1.71	-76.58	-74.87	-13.00	-61.87	AVG
11	25551.990	2.20	-65.00	-62.80	-13.00	-49.80	peak
12	25551.990	2.20	-76.49	-74.29	-13.00	-61.29	AVG





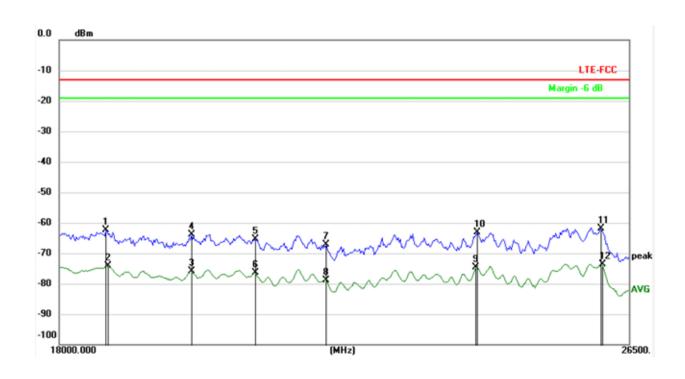
Report No.: AAEMT/RF/240723-01-01

LTE Band 2

Channel Bandwidth: 20 MHz

CH 18700

18GHz-26.5GHz Horizontal



No.	Frequency (MHz)	Factor (dBm)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	18581.207	-0.21	-62.11	-62.32	-13.00	-49.32	peak
2	18595.615	-0.21	-73.84	-74.05	-13.00	-61.05	AVG
3	19678.129	0.14	-76.11	-75.97	-13.00	-62.97	AVG
4	19693.387	0.14	-64.06	-63.92	-13.00	-50.92	peak
5	20551.074	0.42	-65.79	-65.37	-13.00	-52.37	peak
6	20551.074	0.42	-76.77	-76.35	-13.00	-63.35	AVG
7	21579.510	0.76	-67.81	-67.05	-13.00	-54.05	peak
8	21579.510	0.76	-79.71	-78.95	-13.00	-65.95	AVG
9	23885.745	1.71	-76.29	-74.58	-13.00	-61.58	AVG
10	23904.266	1.71	-64.81	-63.10	-13.00	-50.10	peak
11	25991.442	2.28	-64.25	-61.97	-13.00	-48.97	peak
12	26011.596	-5.57	-68.06	-73.63	-13.00	-60.63	AVG





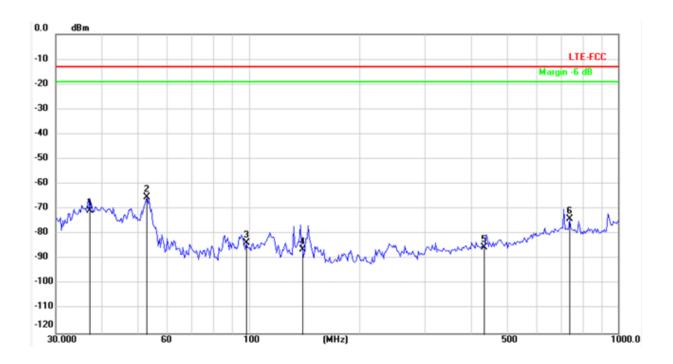
Report No.: AAEMT/RF/240723-01-01

LTE Band 2

Channel Bandwidth: 20 MHz

CH 19100 30MHz-1GHz

Vertical



No.	Frequency (MHz)	Factor (dBm)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	37.0405	-12.41	-58.29	-70.70	-13.00	-57.70	peak
2	53.0056	-12.09	-53.25	-65.34	-13.00	-52.34	peak
3	98.3752	-11.62	-71.85	-83.47	-13.00	-70.47	peak
4	139.7906	-15.66	-70.73	-86.39	-13.00	-73.39	peak
5	433.3396	-5.28	-80.09	-85.37	-13.00	-72.37	peak
6	739.2136	-0.96	-72.96	-73.92	-13.00	-60.92	peak





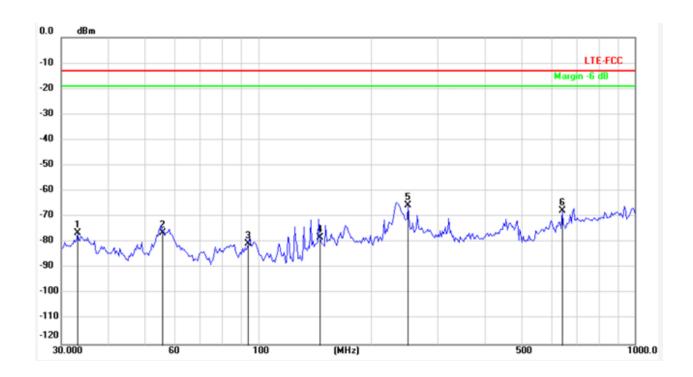
Report No.: AAEMT/RF/240723-01-01

LTE Band 2

Channel Bandwidth: 20 MHz

CH 19100

30MHz-1GHz Horizontal



No.	Frequency (MHz)	Factor (dBm)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	33.1013	-10.92	-65.50	-76.42	-13.00	-63.42	peak
2	55.6781	-10.22	-66.23	-76.45	-13.00	-63.45	peak
3	94.3135	-10.24	-70.37	-80.61	-13.00	-67.61	peak
4	145.8109	-13.50	-64.73	-78.23	-13.00	-65.23	peak
5	250.4858	-8.07	-57.49	-65.56	-13.00	-52.56	peak
6	642.2922	0.14	-67.92	-67.78	-13.00	-54.78	peak





Report No.: AAEMT/RF/240723-01-01

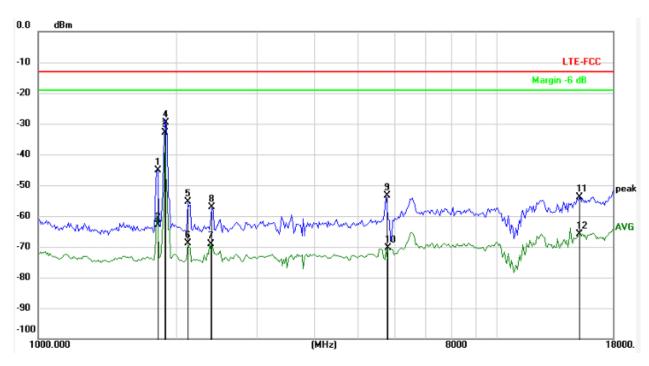
LTE Band 2

Channel Bandwidth: 20 MHz

CH 19100

1GHz-18GHz

Vertical



No.	Frequency (MHz)	Factor (dBm)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	1826.501	-3.64	-41.39	-45.03	-13.00	-32.03	peak
2	1826.501	-3.64	-59.33	-62.97	-13.00	-49.97	AVG
3	1891.095	-3.53	-29.38	-32.91	-13.00	-19.91	AVG
4	1900.000	-3.52	-26.22	-29.74	-13.00	-16.74	peak
5	2123.366	-3.25	-52.21	-55.46	-13.00	-42.46	peak
6	2123.366	-3.25	-65.53	-68.78	-13.00	-55.78	AVG
7	2370.396	-2.82	-66.21	-69.03	-13.00	-56.03	AVG
8	2398.015	-2.77	-54.24	-57.01	-13.00	-44.01	peak
9	5750.479	1.75	-55.01	-53.26	-13.00	-40.26	peak
10	5817.483	1.84	-72.09	-70.25	-13.00	-57.25	AVG
11	15216.711	9.93	-63.92	-53.99	-13.00	-40.99	peak
12	15216.711	9.93	-75.81	-65.88	-13.00	-52.88	AVG

Note: Markers 3 & 4 are intentional frequency from EUT.



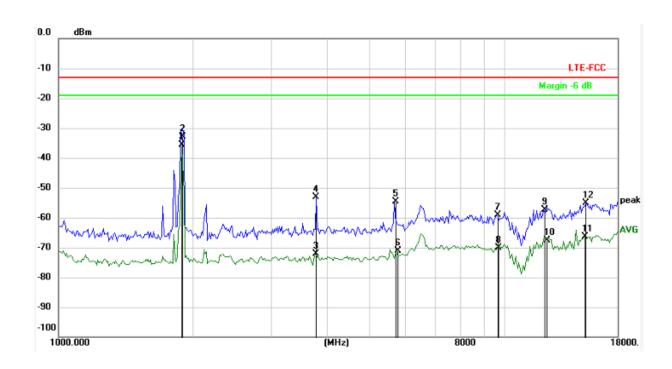


Report No.: AAEMT/RF/240723-01-01

LTE Band 2

Channel Bandwidth: 20 MHz

CH 19100 1GHz-18GHz Horizontal



No.	Frequency (MHz)	Factor (dBm)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	1891.095	22.70	-58.25	-35.55	-13.00	-22.55	AVG
2	1900.000	22.72	-55.47	-32.75	-13.00	-19.75	peak
3	3767.619	29.64	-101.65	-72.01	-13.00	-59.01	AVG
4	3789.505	29.70	-82.76	-53.06	-13.00	-40.06	peak
5	5684.246	35.19	-89.81	-54.62	-13.00	-41.62	peak
6	5750.479	35.38	-106.43	-71.05	-13.00	-58.05	AVG
7	9629.202	41.77	-100.91	-59.14	-13.00	-46.14	peak
8	9685.139	41.97	-112.06	-70.09	-13.00	-57.09	AVG
9	12281.304	47.46	-104.76	-57.30	-13.00	-44.30	peak
10	12424.406	47.61	-115.13	-67.52	-13.00	-54.52	AVG
11	15216.711	49.06	-115.46	-66.40	-13.00	-53.40	AVG
12	15305.107	48.93	-104.16	-55.23	-13.00	-42.23	peak

Note: Markers 1 & 2 are intentional frequency from EUT.





Report No.: AAEMT/RF/240723-01-01

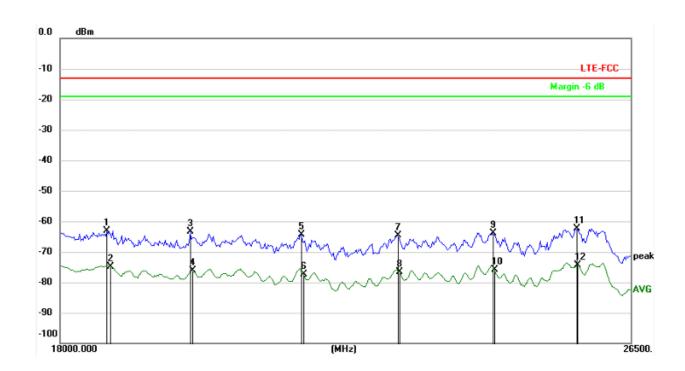
LTE Band 2

Channel Bandwidth: 20 MHz

CH 19100

18GHz-26.5GHz

Vertical



No.	Frequency (MHz)	Factor (dBm)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	18581.207	-0.21	-62.90	-63.11	-13.00	-50.11	peak
2	18624.464	-0.20	-74.58	-74.78	-13.00	-61.78	AVG
3	19662.882	0.14	-63.58	-63.44	-13.00	-50.44	peak
4	19678.129	0.14	-76.29	-76.15	-13.00	-63.15	AVG
5	21198.216	0.62	-64.93	-64.31	-13.00	-51.31	peak
6	21231.103	0.64	-78.06	-77.42	-13.00	-64.42	AVG
7	22624.313	1.30	-65.90	-64.60	-13.00	-51.60	peak
8	22659.412	1.33	-78.06	-76.73	-13.00	-63.73	AVG
9	24127.641	1.78	-65.60	-63.82	-13.00	-50.82	peak
10	24165.072	1.79	-77.72	-75.93	-13.00	-62.93	AVG
11	25532.193	2.19	-64.66	-62.47	-13.00	-49.47	peak
12	25571.803	2.20	-76.49	-74.29	-13.00	-61.29	AVG





Report No.: AAEMT/RF/240723-01-01

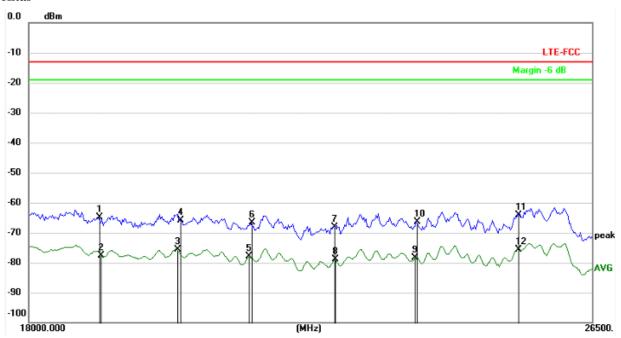
LTE Band 2

Channel Bandwidth: 20 MHz

CH 19100

18GHz-26.5GHz

Horizontal



No.	Frequency (MHz)	Factor (dBm)	Reading (dBm)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector
1	18886.129	-0.13	-64.85	-64.98	-13.00	-51.98	peak
2	18915.428	-0.11	-77.40	-77.51	-13.00	-64.51	AVG
3	19923.688	0.22	-75.75	-75.53	-13.00	-62.53	AVG
4	19970.070	0.23	-66.08	-65.85	-13.00	-52.85	peak
5	20936.949	0.54	-78.30	-77.76	-13.00	-64.76	AVG
6	20969.431	0.55	-67.16	-66.61	-13.00	-53.61	peak
7	22190.133	1.02	-69.04	-68.02	-13.00	-55.02	peak
8	22207.339	1.03	-79.86	-78.83	-13.00	-65.83	AVG
9	23463.702	1.63	-80.00	-78.37	-13.00	-65.37	AVG
10	23481.896	1.64	-68.11	-66.47	-13.00	-53.47	peak
11	25178.448	2.12	-66.26	-64.14	-13.00	-51.14	peak
12	25178.448	2.12	-77.84	-75.72	-13.00	-62.72	AVG



End of Report