FCC Test Report
(Part 96 – LTE B48)

Report No.: RFBEIH-WTW-P21050760-1

FCC ID: P27GEN3505D

Test Model: OC3505D

Received Date: May 20, 2021

Test Date: Jul. 05 ~ Aug. 05, 2021

Issued Date: Aug. 06, 2021

Applicant: Sercomm Corp.

Address: 8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C.

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

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Test Location(1): No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan

FCC Registration / Designation Number(1): 788550 / TW0003

Test Location(2): No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

FCC Registration / Designation Number(2): 281270 / TW0032

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Release Control Record

Issue No.	Description	Date Issued
RFBEIH-WTW-P21050760-1	Original release	Aug. 06, 2021

1 Certificate of Conformity

Product: CBRS Fixed Wireless CPE

Brand: Sercomm

Test Model: OC3505D

Sample Status: Engineering sample

Applicant: Sercomm Corp.

Test Date: Jul. 05 ~ Aug. 05, 2021

Standards: 47 CFR FCC Part 96

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by : Pettie Chen , **Date:** Aug. 06, 2021

Pettie Chen / Senior Specialist

Approved by : Bruce Chen , **Date:** Aug. 06, 2021

Bruce Chen / Senior Project Engineer

2 Summary of Test Results

47 CFR FCC Part 96			
FCC Clause	Test Item	Result	Remarks
2.1046 96.41(b)	Maximum Peak Output Power	Pass	Meet the requirement of limit.
2.1046 96.41(b)	Maximum Power Spectral Density	Pass	Meet the requirement of limit.
96.41(g)	Peak to Average Ration	Pass	Meet the requirement of limit.
2.1049	Emission Bandwidth	Pass	Meet the requirement of limit.
2.1055	Frequency Stability	Pass	Meet the requirement of limit.
2.1051 96.41(e)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 96.41(e)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -4.06dB at 7250.00MHz.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Radiated Emissions up to 1 GHz	30MHz ~ 200MHz	2.91 dB
	200MHz ~1000MHz	2.92 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	1.76 dB
	18GHz ~ 40GHz	1.77 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	CBRS Fixed Wireless CPE			
Brand	Sercomm			
Test Model	OC3505D			
Sample Status	Engineering sample			
Power Supply Rating	56Vdc (PoE)			
Modulation Type	QPSK, 16QAM, 64QAM			
Operating Frequency	LTE Band 48 (Channel Bandwidth 5MHz)	3552.5MHz ~ 3697.5MHz		
	LTE Band 48 (Channel Bandwidth 10MHz)	3555.0MHz ~ 3695.0MHz		
	LTE Band 48 (Channel Bandwidth 15MHz)	3557.5MHz ~ 3692.5MHz		
	LTE Band 48 (Channel Bandwidth 20MHz)	3560.0MHz ~ 3690.0MHz		
Max. EIRP Power		QPSK	16QAM	64QAM
	Per 10M			
	LTE Band 48 (Channel Bandwidth 5MHz)	185.353mW (22.68dBm/10MHz)	152.055mW (21.82dBm/10MHz)	108.393mW (20.35dBm/10MHz)
	LTE Band 48 (Channel Bandwidth 10MHz)	176.604mW (22.47dBm/10MHz)	148.594mW (21.72dBm/10MHz)	106.170mW (20.26dBm/10MHz)
	LTE Band 48 (Channel Bandwidth 15MHz)	187.932mW (22.74dBm/10MHz)	156.315mW (21.94dBm/10MHz)	110.917mW (20.45dBm/10MHz)
	LTE Band 48 (Channel Bandwidth 20MHz)	193.197mW (22.86dBm/10MHz)	160.325mW (22.05dBm/10MHz)	121.339mW (20.84dBm/10MHz)
	Full Power			
	LTE Band 48 (Channel Bandwidth 5MHz)	185.353mW (22.68dBm)	152.055mW (21.82dBm)	108.393mW (20.35dBm)
	LTE Band 48 (Channel Bandwidth 10MHz)	176.604mW (22.47dBm)	148.594mW (21.72dBm)	106.170mW (20.26dBm)
	LTE Band 48 (Channel Bandwidth 15MHz)	191.426mW (22.82dBm)	160.694mW (22.06dBm)	112.202mW (20.50dBm)
	LTE Band 48 (Channel Bandwidth 20MHz)	194.984mW (22.90dBm)	164.059mW (22.15dBm)	124.451mW (20.95dBm)
Emission Designator		QPSK	16QAM	64QAM
	LTE Band 48 (Channel Bandwidth 5MHz)	4M50G7D	4M50D7W	4M51D7W
	LTE Band 48 (Channel Bandwidth 10MHz)	8M97G7D	8M98D7W	8M97D7W
	LTE Band 48 (Channel Bandwidth 15MHz)	13M5G7D	13M5D7W	13M5D7W
	LTE Band 48 (Channel Bandwidth 20MHz)	17M9G7D	17M9D7W	18M0D7W
Antenna Type	Refer to Note as below			
Antenna Connector	Refer to Note as below			
Accessory Device	Refer to Note as below			
Cable Supplied	NA			

Note:

1. The EUT provides 4 completed transmitters and 8 receivers. The antennas provided to the EUT, please refer to the following table:

TX Antenna	Brand	Model	Antenna Type	Antenna Connector	Antenna Gain (dBi)	Frequency Range
Ant 1	Sercomm	617211AK	Patch array	IPEX	12	3.4~3.8GHz
Ant 2						
Ant 5						
Ant 6						

2. The EUT uses following PoE. (The POE is for support unit only.)

Product	Brand	Model	Description
PoE Adapter	PHIHONG	POE15M-1AF	I/P: 100-240 Vac, 0.8 A, 50-60 Hz, O/P: 56 Vdc, 0.275A
PoE Adapter	FRECOM	PGOB24D01-560054	I/P: 100-240 Vac, 0.7 A, 50-60 Hz, O/P: 56 Vdc, 0.536A

3. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.
4. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

3.2 Test Mode Applicability and Tested Channel Detail

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case was found when positioned as the table below. Following channel(s) was (were) selected for the final test as listed below:

Band	Radiated Emission
LTE Band 48	Z-plane

LTE Band 48

Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation
Maximum Output Power	55265 to 56715	55265 (3552.5MHz), 55990 (3625.0MHz), 56715 (3697.5MHz)	5MHz	QPSK / 16QAM / 64QAM
	55290 to 56690	55290 (3555.0MHz), 55990 (3625.0MHz), 56690 (3695.0MHz)	10MHz	QPSK / 16QAM / 64QAM
	55315 to 56665	55315 (3557.5MHz), 55990 (3625.0MHz), 56665 (3692.5MHz)	15MHz	QPSK / 16QAM / 64QAM
	55340 to 56640	55340 (3560.0MHz), 55990 (3625.0MHz), 56640 (3690.0MHz)	20MHz	QPSK / 16QAM / 64QAM
Modulation characteristics	55340 to 56640	55990 (3625.0MHz)	20MHz	QPSK / 16QAM / 64QAM
Frequency Stability	55265 to 56715	55265 (3552.5MHz), 56715 (3697.5MHz)	5MHz	QPSK
	55290 to 56690	55290 (3555.0MHz), 56690 (3695.0MHz)	10MHz	QPSK
	55315 to 56665	55315 (3557.5MHz), 56665 (3692.5MHz)	15MHz	QPSK
	55340 to 56640	55340 (3560.0MHz), 56640 (3690.0MHz)	20MHz	QPSK
Occupied Bandwidth	55265 to 56715	55265 (3552.5MHz), 55990 (3625.0MHz), 56715 (3697.5MHz)	5MHz	QPSK / 16QAM / 64QAM
	55290 to 56690	55290 (3555.0MHz), 55990 (3625.0MHz), 56690 (3695.0MHz)	10MHz	QPSK / 16QAM / 64QAM
	55315 to 56665	55315 (3557.5MHz), 55990 (3625.0MHz), 56665 (3692.5MHz)	15MHz	QPSK / 16QAM / 64QAM
	55340 to 56640	55340 (3560.0MHz), 55990 (3625.0MHz), 56640 (3690.0MHz)	20MHz	QPSK / 16QAM / 64QAM

Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation
Peak to Average Ratio	55265 to 56715	55265 (3552.5MHz), 55990 (3625.0MHz), 56715 (3697.5MHz)	5MHz	QPSK / 16QAM / 64QAM
	55290 to 56690	55290 (3555.0MHz), 55990 (3625.0MHz), 56690 (3695.0MHz)	10MHz	QPSK / 16QAM / 64QAM
	55315 to 56665	55315 (3557.5MHz), 55990 (3625.0MHz), 56665 (3692.5MHz)	15MHz	QPSK / 16QAM / 64QAM
	55340 to 56640	55340 (3560.0MHz), 55990 (3625.0MHz), 56640 (3690.0MHz)	20MHz	QPSK / 16QAM / 64QAM
Conducted Emission	55265 to 56715	55265 (3552.5MHz), 55990 (3625.0MHz), 56715 (3697.5MHz)	5MHz	QPSK
	55290 to 56690	55290 (3555.0MHz), 55990 (3625.0MHz), 56690 (3695.0MHz)	10MHz	QPSK
	55315 to 56665	55315 (3557.5MHz), 55990 (3625.0MHz), 56665 (3692.5MHz)	15MHz	QPSK
	55340 to 56640	55340 (3560.0MHz), 55990 (3625.0MHz), 56640 (3690.0MHz)	20MHz	QPSK
Radiated Emission Below 1GHz	55340 to 56640	55990 (3625.0MHz)	20MHz	QPSK
Radiated Emission Above 1GHz	55265 to 56715	55265 (3552.5MHz), 55990 (3625.0MHz), 56715 (3697.5MHz)	5MHz	QPSK
	55290 to 56690	55290 (3555.0MHz), 55990 (3625.0MHz), 56690 (3695.0MHz)	10MHz	QPSK
	55315 to 56665	55315 (3557.5MHz), 55990 (3625.0MHz), 56665 (3692.5MHz)	15MHz	QPSK
	55340 to 56640	55340 (3560.0MHz), 55990 (3625.0MHz), 56640 (3690.0MHz)	20MHz	QPSK

Note:

1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the lowest, 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM and 64QAM, measured value of QPSK is higher than 16QAM and 64QAM mode. Therefore, only Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under QPSK, 16QAM and 64QAM modes, the other test items were performed under QPSK mode only.

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
Maximum Output Power	25deg. C, 70%RH	120Vac, 60Hz	Noah Chang
Modulation Characteristics	25deg. C, 60%RH	120Vac, 60Hz	James Yang
Frequency Stability	25deg. C, 60%RH	120Vac, 60Hz	James Yang
Occupied Bandwidth	25deg. C, 60%RH	120Vac, 60Hz	James Yang
Peak To Average Ratio	25deg. C, 60%RH	120Vac, 60Hz	James Yang
Conducted Emission	25deg. C, 60%RH	120Vac, 60Hz	James Yang
Radiated Emission	25deg. C, 70%RH	120Vac, 60Hz	Noah Chang

3.3 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

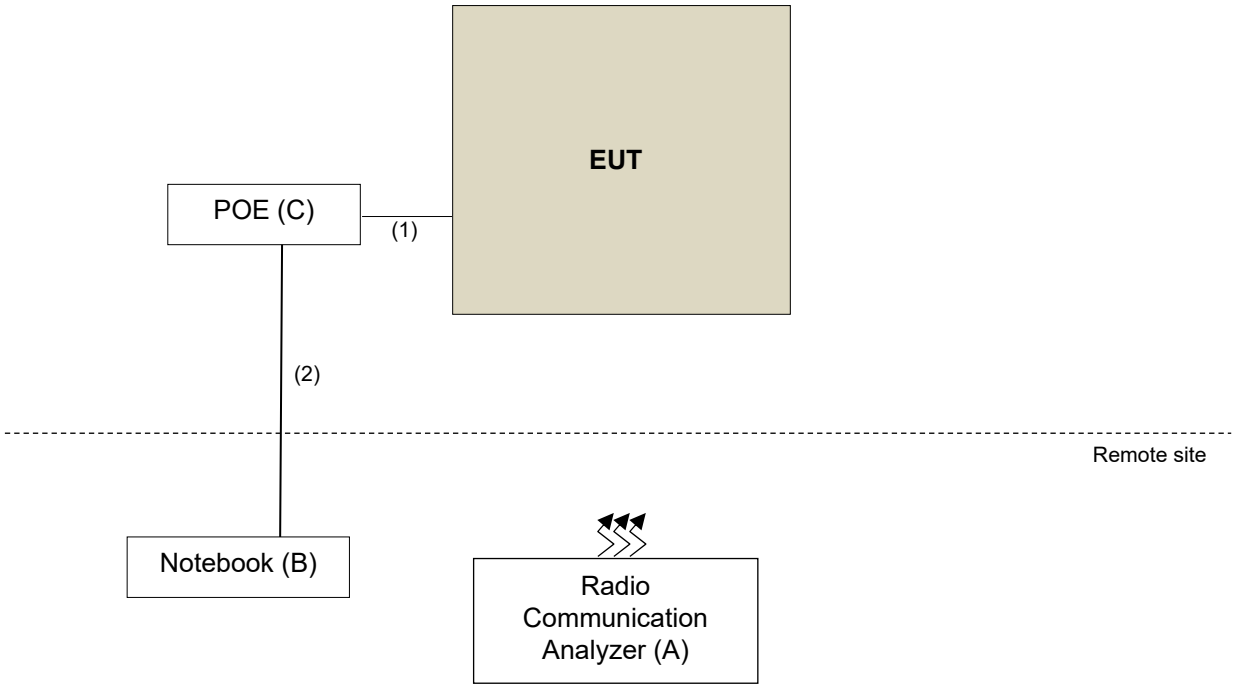
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Radio Communication Analyzer	Anritsu	MT8821C	6261806803	NA	-
B.	Notebook	DELL	E5410	1HC2XM1	FCC DoC Approved	-
C.	PoE Adapter	PHIHONG	POE15M-1AF	NA	NA	-

Note:

1. All power cords of the above support units are non-shielded (1.8m).
2. Item A, B acted as communication partners to transfer data.

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	RJ45 Cable	1	1.5	N	0	-
2.	RJ45 Cable	1	10	N	0	-

3.3.1 Configuration of System under Test



3.4 General Description of Applied Standards and References

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standard:

FCC 47 CFR Part 2

FCC 47 CFR Part 96

ANSI/TIA/EIA-603-D-2010

All test items have been performed and recorded as per the above standards.

References Test Guidance:

KDB 971168 D01 Power Meas License Digital Systems v03r01

KDB 940660 D01 Part 96 CBRS Eqpt v02

All test items have been performed as a reference to the above KDB test guidance.

4 Test Types and Results

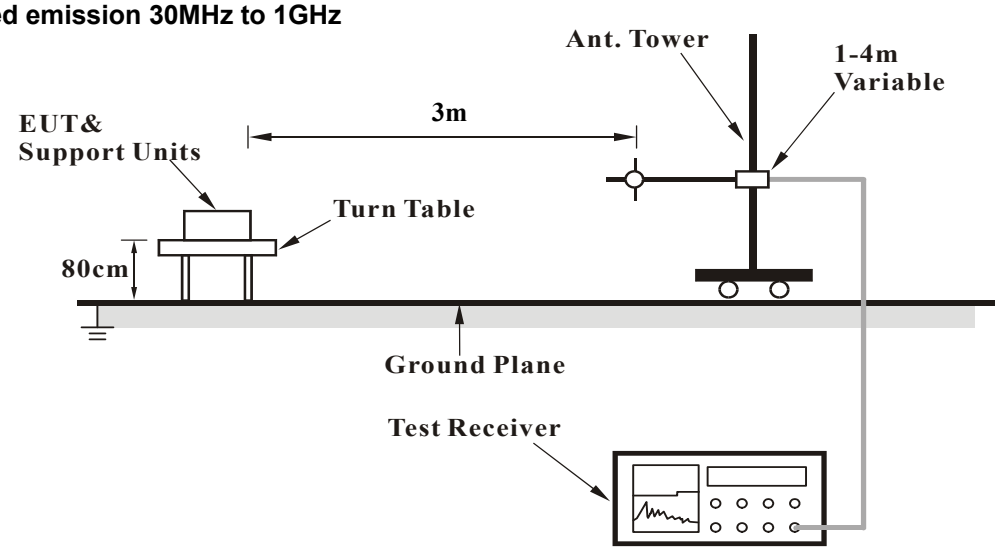
4.1 Maximum Output Power Measurement

4.1.1 Limits of Maximum Output Power Measurement

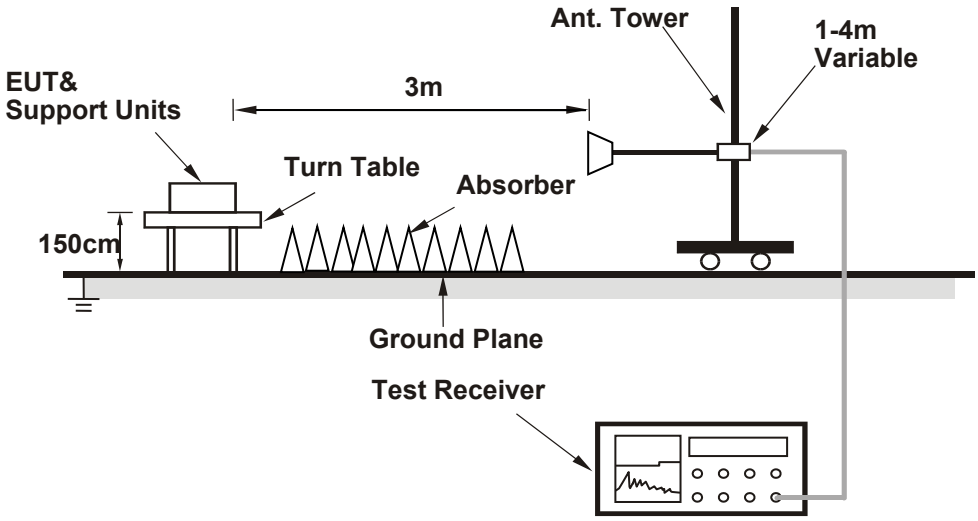
Device		Maximum EIRP (dBm/10 MHz)
☒	End User Device	23
☐	Category A CBSD	30
☐	Category B CBSD	47

4.1.2 Test Setup

For radiated emission 30MHz to 1GHz



For radiated emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver Rohde & Schwarz	ESR3	102579	Jul. 05, 2021	Jul. 04, 2022
Spectrum Analyzer KEYSIGHT	N9020B	MY60110462	Dec. 18, 2020	Dec. 17, 2021
BILOG Antenna SCHWARZBECK	VULB9168	995	Nov. 04, 2020	Nov. 03, 2021
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-404	Nov. 22, 2020	Nov. 21, 2021
HORN Antenna SCHWARZBECK	BBHA 9170	995	Nov. 22, 2020	Nov. 21, 2021
Preamplifier EMCI	EMC330N	980783	Jan. 12, 2021	Jan. 11, 2022
Preamplifier EMCI	EMC118A45SE	980810	Jan. 12, 2021	Jan. 11, 2022
Preamplifier EMCI	EMC184045SE	980787	Jan. 12, 2021	Jan. 11, 2022
RF signal cable EMCI	EMC104-SM-SM-(9000+2000+1000)	201230+ 201242+ 210101	Jan. 12, 2021	Jan. 11, 2022
RF signal cable EMCI	EMCCFD400-NM-NM-(9000+300+500)	201252+ 201250+ 201245	Jan. 12, 2021	Jan. 11, 2022
RF signal cable EMCI	EMC101G-KM-KM-(5000+3000+2000)	201261+201258+ 201249	Jan. 12, 2021	Jan. 11, 2022
Software BV CPS	ADT_Radiated_V7.6.15.9.5	NA	NA	NA
Turn Table Max-Full	MFT-151SS-0.5T	NA	NA	NA
Turn Table Controller Max-Full	MF-7802BS	MF780208675	NA	NA
Antenna Tower KaiTuo	NA	NA	NA	NA
Antenna Tower Controller KaiTuo	KT-2000	NA	NA	NA
USB Wideband Power Sensor KEYSIGHT	U2021XA	MY55050005/MY55190004/MY55190007/MY55210005	Jul. 13, 2020	Jul. 12, 2021
			Jul. 12, 2021	Jul. 11, 2022

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in WM Chamber 7.

4.1.4 Test Procedures

a. Set span to at least 1.5 times the OBW.
b. Set RBW = 1-5% of the OBW, not to exceed 1 MHz.
c. Set VBW ≥ 3 × RBW.
d. Set number of points in sweep ≥ 2 × span / RBW.
e. Sweep time = auto-couple.
f. Detector = RMS (power averaging).
g. If the EUT can be configured to transmit continuously (i.e., burst duty cycle ≥ 98%), then set the trigger to free run.
h. If the EUT cannot be configured to transmit continuously (i.e., burst duty cycle < 98 %), then use a sweep trigger with the level set to enable triggering only on full power bursts and configure the EUT to transmit at full power for the entire duration of each sweep. Ensure that the sweep time is less than or equal to the transmission burst duration.
i. Trace average at least 100 traces in power averaging (i.e., RMS) mode.
j. Compute the power by integrating the spectrum across the OBW of the signal using the instrument's band or channel power measurement function, with the band/channel limits set equal to the OBW band edges. If the instrument does not have a band or channel power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.
k. For per 10MHz method, channel power integrating bandwidth 10MHz is used for bandwidth 5M, 10M, 15M and 20M. For full power method, channel power integrating bandwidth 10MHz is used for bandwidth 5M, 10M, integrating bandwidth 15MHz is used for bandwidth 15M, integrating bandwidth 20MHz is used for bandwidth 20M.
l. 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.
m. EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m. ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.
n. Measurement method refers to ANSI C63.26 section 5.2.7 & 5.2.4.

4.1.5 Deviation from Test Standard

No deviation.

4.1.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.1.7 Test Results

EIRP Full Power (dBm/10MHz)

Modulation Type: QPSK

LTE Band 48, Channel Bandwidth 5MHz, 1RB0

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	19.13	23.00	-3.87	1.54 H	352	79.82	-60.69
2	3625.00	19.46	23.00	-3.54	1.52 H	355	79.75	-60.29
3	3697.50	20.33	23.00	-2.67	1.57 H	357	80.13	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	21.29	23.00	-1.71	1.56 V	2	81.98	-60.69
2	3625.00	21.38	23.00	-1.62	1.50 V	5	81.67	-60.29
3	3697.50	22.68	23.00	-0.32	1.52 V	9	82.48	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 1RB12

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	19.25	23.00	-3.75	1.61 H	7	79.94	-60.69
2	3625.00	20.06	23.00	-2.94	1.54 H	3	80.35	-60.29
3	3697.50	20.51	23.00	-2.49	1.54 H	1	80.31	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	21.25	23.00	-1.75	1.60 V	1	81.94	-60.69
2	3625.00	21.91	23.00	-1.09	1.51 V	7	82.20	-60.29
3	3697.50	22.64	23.00	-0.36	1.56 V	7	82.44	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 1RB24

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	19.39	23.00	-3.61	1.54 H	358	80.08	-60.69
2	3625.00	19.92	23.00	-3.08	1.52 H	359	80.21	-60.29
3	3697.50	20.53	23.00	-2.47	1.54 H	354	80.33	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	21.37	23.00	-1.63	1.51 V	3	82.06	-60.69
2	3625.00	21.84	23.00	-1.16	1.55 V	4	82.13	-60.29
3	3697.50	22.12	23.00	-0.88	1.56 V	2	81.92	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 12RB0

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	19.42	23.00	-3.58	1.61 H	357	80.11	-60.69
2	3625.00	19.61	23.00	-3.39	1.59 H	353	79.90	-60.29
3	3697.50	19.90	23.00	-3.10	1.58 H	352	79.70	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	21.51	23.00	-1.49	1.57 V	6	82.20	-60.69
2	3625.00	21.71	23.00	-1.29	1.60 V	4	82.00	-60.29
3	3697.50	22.03	23.00	-0.97	1.62 V	7	81.83	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 12RB6

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	19.76	23.00	-3.24	1.60 H	352	80.45	-60.69
2	3625.00	19.84	23.00	-3.16	1.58 H	354	80.13	-60.29
3	3697.50	19.82	23.00	-3.18	1.58 H	356	79.62	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	21.62	23.00	-1.38	1.53 V	9	82.31	-60.69
2	3625.00	21.84	23.00	-1.16	1.54 V	9	82.13	-60.29
3	3697.50	21.94	23.00	-1.06	1.63 V	57	81.74	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 12RB13

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	19.36	23.00	-3.64	1.61 H	360	80.05	-60.69
2	3625.00	20.12	23.00	-2.88	1.59 H	358	80.41	-60.29
3	3697.50	20.63	23.00	-2.37	1.58 H	351	80.43	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	21.32	23.00	-1.68	1.58 V	1	82.01	-60.69
2	3625.00	22.22	23.00	-0.78	1.52 V	1	82.51	-60.29
3	3697.50	22.42	23.00	-0.58	1.54 V	3	82.22	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 25RB0

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	19.02	23.00	-3.98	1.59 H	358	79.71	-60.69
2	3625.00	19.23	23.00	-3.77	1.54 H	355	79.52	-60.29
3	3697.50	19.41	23.00	-3.59	1.51 H	351	79.21	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	20.86	23.00	-2.14	1.54 V	9	81.55	-60.69
2	3625.00	21.32	23.00	-1.68	1.54 V	8	81.61	-60.29
3	3697.50	21.63	23.00	-1.37	1.60 V	1	81.43	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 1RB0

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	19.12	23.00	-3.88	1.52 H	1	79.80	-60.68
2	3625.00	19.82	23.00	-3.18	1.58 H	3	80.11	-60.29
3	3695.00	20.22	23.00	-2.78	1.59 H	5	80.05	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	21.14	23.00	-1.86	1.59 V	20	81.82	-60.68
2	3625.00	21.92	23.00	-1.08	1.52 V	2	82.21	-60.29
3	3695.00	22.47	23.00	-0.53	1.59 V	8	82.30	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 1RB24

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.90	23.00	-4.10	1.50 H	10	79.58	-60.68
2	3625.00	19.42	23.00	-3.58	1.58 H	6	79.71	-60.29
3	3695.00	20.09	23.00	-2.91	1.52 H	5	79.92	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	21.01	23.00	-1.99	1.52 V	18	81.69	-60.68
2	3625.00	21.41	23.00	-1.59	1.52 V	5	81.70	-60.29
3	3695.00	22.12	23.00	-0.88	1.62 V	10	81.95	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 1RB49

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.98	23.00	-4.02	1.55 H	17	79.66	-60.68
2	3625.00	19.62	23.00	-3.38	1.56 H	8	79.91	-60.29
3	3695.00	20.20	23.00	-2.80	1.65 H	15	80.03	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	21.00	23.00	-2.00	1.55 V	17	81.68	-60.68
2	3625.00	21.63	23.00	-1.37	1.56 V	8	81.92	-60.29
3	3695.00	22.17	23.00	-0.83	1.65 V	15	82.00	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 25RB0

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.61	23.00	-4.39	1.57 H	352	79.29	-60.68
2	3625.00	19.04	23.00	-3.96	1.60 H	3	79.33	-60.29
3	3695.00	20.06	23.00	-2.94	1.82 H	2	79.89	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	20.58	23.00	-2.42	1.57 V	11	81.26	-60.68
2	3625.00	21.03	23.00	-1.97	1.56 V	7	81.32	-60.29
3	3695.00	21.72	23.00	-1.28	1.55 V	20	81.55	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 25RB12

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.53	23.00	-4.47	1.63 H	355	79.21	-60.68
2	3625.00	19.10	23.00	-3.90	1.55 H	351	79.39	-60.29
3	3695.00	19.72	23.00	-3.28	1.52 H	358	79.55	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	20.54	23.00	-2.46	1.54 V	2	81.22	-60.68
2	3625.00	21.06	23.00	-1.94	1.52 V	5	81.35	-60.29
3	3695.00	21.68	23.00	-1.32	1.61 V	1	81.51	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 25RB25

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.42	23.00	-4.58	1.51 H	357	79.10	-60.68
2	3625.00	18.96	23.00	-4.04	1.52 H	359	79.25	-60.29
3	3695.00	19.61	23.00	-3.39	1.57 H	352	79.44	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	20.44	23.00	-2.56	1.52 V	4	81.12	-60.68
2	3625.00	21.07	23.00	-1.93	1.55 V	9	81.36	-60.29
3	3695.00	21.72	23.00	-1.28	1.60 V	15	81.55	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 50RB0

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.56	23.00	-4.44	1.60 H	357	79.24	-60.68
2	3625.00	19.13	23.00	-3.87	1.52 H	350	79.42	-60.29
3	3695.00	19.67	23.00	-3.33	1.54 H	351	79.50	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	20.56	23.00	-2.44	1.60 V	13	81.24	-60.68
2	3625.00	21.15	23.00	-1.85	1.52 V	4	81.44	-60.29
3	3695.00	21.67	23.00	-1.33	1.54 V	2	81.50	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.56	23.00	-3.44	1.58 H	360	80.23	-60.67
2	3625.00	19.95	23.00	-3.05	1.54 H	351	80.24	-60.29
3	3692.50	20.71	23.00	-2.29	1.59 H	351	80.55	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	21.64	23.00	-1.36	1.58 V	12	82.31	-60.67
2	3625.00	22.00	23.00	-1.00	1.56 V	1	82.29	-60.29
3	3692.50	22.74	23.00	-0.26	1.59 V	1	82.58	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB37

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.56	23.00	-3.44	1.58 H	354	80.23	-60.67
2	3625.00	19.94	23.00	-3.06	1.60 H	351	80.23	-60.29
3	3692.50	20.66	23.00	-2.34	1.61 H	356	80.50	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	21.62	23.00	-1.38	1.61 V	13	82.29	-60.67
2	3625.00	21.97	23.00	-1.03	1.50 V	10	82.26	-60.29
3	3692.50	22.67	23.00	-0.33	1.57 V	4	82.51	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB74

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.49	23.00	-3.51	1.60 H	359	80.16	-60.67
2	3625.00	19.91	23.00	-3.09	1.52 H	355	80.20	-60.29
3	3692.50	20.13	23.00	-2.87	1.52 H	351	79.97	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	21.47	23.00	-1.53	1.63 V	2	82.14	-60.67
2	3625.00	21.94	23.00	-1.06	1.55 V	1	82.23	-60.29
3	3692.50	22.16	23.00	-0.84	1.57 V	4	82.00	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.18	23.00	-3.82	1.58 H	356	79.85	-60.67
2	3625.00	19.67	23.00	-3.33	1.53 H	356	79.96	-60.29
3	3692.50	19.98	23.00	-3.02	1.53 H	354	79.82	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	21.22	23.00	-1.78	1.49 V	5	81.89	-60.67
2	3625.00	21.64	23.00	-1.36	1.55 V	12	81.93	-60.29
3	3692.50	21.97	23.00	-1.03	1.52 V	20	81.81	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB19

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.05	23.00	-3.95	1.58 H	356	79.72	-60.67
2	3625.00	19.57	23.00	-3.43	1.54 H	358	79.86	-60.29
3	3692.50	20.04	23.00	-2.96	1.55 H	356	79.88	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	21.12	23.00	-1.88	1.50 V	3	81.79	-60.67
2	3625.00	21.59	23.00	-1.41	1.56 V	12	81.88	-60.29
3	3692.50	22.02	23.00	-0.98	1.55 V	15	81.86	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB39

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.13	23.00	-3.87	1.57 H	353	79.80	-60.67
2	3625.00	19.57	23.00	-3.43	1.56 H	352	79.86	-60.29
3	3692.50	20.07	23.00	-2.93	1.50 H	357	79.91	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	21.14	23.00	-1.86	1.55 V	5	81.81	-60.67
2	3625.00	21.56	23.00	-1.44	1.56 V	8	81.85	-60.29
3	3692.50	22.05	23.00	-0.95	1.52 V	12	81.89	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 75RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.85	23.00	-4.15	1.51 H	357	79.52	-60.67
2	3625.00	19.46	23.00	-3.54	1.50 H	358	79.75	-60.29
3	3692.50	19.95	23.00	-3.05	1.58 H	351	79.79	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.84	23.00	-2.16	1.55 V	5	81.51	-60.67
2	3625.00	21.46	23.00	-1.54	1.56 V	8	81.75	-60.29
3	3692.50	21.96	23.00	-1.04	1.52 V	12	81.80	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.84	23.00	-3.16	1.59 H	350	80.50	-60.66
2	3625.00	20.33	23.00	-2.67	1.59 H	354	80.62	-60.29
3	3690.00	20.74	23.00	-2.26	1.55 H	353	80.59	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.94	23.00	-1.06	1.59 V	2	82.60	-60.66
2	3625.00	22.40	23.00	-0.60	1.69 V	3	82.69	-60.29
3	3690.00	22.86	23.00	-0.14	1.66 V	20	82.71	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB50

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.73	23.00	-3.27	1.52 H	355	80.39	-60.66
2	3625.00	20.32	23.00	-2.68	1.58 H	353	80.61	-60.29
3	3690.00	20.67	23.00	-2.33	1.61 H	351	80.52	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.80	23.00	-1.20	1.52 V	13	82.46	-60.66
2	3625.00	22.33	23.00	-0.67	1.54 V	13	82.62	-60.29
3	3690.00	22.74	23.00	-0.26	1.66 V	1	82.59	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB99

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.76	23.00	-3.24	1.58 H	360	80.42	-60.66
2	3625.00	20.54	23.00	-2.46	1.50 H	359	80.83	-60.29
3	3690.00	20.50	23.00	-2.50	1.51 H	356	80.35	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.75	23.00	-1.25	1.57 V	12	82.41	-60.66
2	3625.00	22.22	23.00	-0.78	1.56 V	10	82.51	-60.29
3	3690.00	22.55	23.00	-0.45	1.58 V	22	82.40	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.34	23.00	-3.66	1.50 H	359	80.00	-60.66
2	3625.00	19.56	23.00	-3.44	1.51 H	360	79.85	-60.29
3	3690.00	19.95	23.00	-3.05	1.60 H	353	79.80	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.35	23.00	-1.65	1.60 V	1	82.01	-60.66
2	3625.00	21.60	23.00	-1.40	1.53 V	20	81.89	-60.29
3	3690.00	22.00	23.00	-1.00	1.55 V	12	81.85	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB25

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.16	23.00	-3.84	1.59 H	350	79.82	-60.66
2	3625.00	19.43	23.00	-3.57	1.58 H	357	79.72	-60.29
3	3690.00	19.92	23.00	-3.08	1.55 H	350	79.77	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.23	23.00	-1.77	1.59 V	10	81.89	-60.66
2	3625.00	21.46	23.00	-1.54	1.57 V	15	81.75	-60.29
3	3690.00	21.93	23.00	-1.07	1.53 V	11	81.78	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB50

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.16	23.00	-3.84	1.52 H	352	79.82	-60.66
2	3625.00	19.33	23.00	-3.67	1.50 H	354	79.62	-60.29
3	3690.00	19.89	23.00	-3.11	1.52 H	356	79.74	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.17	23.00	-1.83	1.59 V	20	81.83	-60.66
2	3625.00	21.40	23.00	-1.60	1.52 V	3	81.69	-60.29
3	3690.00	21.85	23.00	-1.15	1.55 V	2	81.70	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 100RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.95	23.00	-4.05	1.52 H	356	79.61	-60.66
2	3625.00	19.16	23.00	-3.84	1.61 H	351	79.45	-60.29
3	3690.00	19.74	23.00	-3.26	1.51 H	355	79.59	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	20.98	23.00	-2.02	1.52 V	13	81.64	-60.66
2	3625.00	21.16	23.00	-1.84	1.61 V	4	81.45	-60.29
3	3690.00	21.72	23.00	-1.28	1.51 V	5	81.57	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

Modulation Type: 16QAM

LTE Band 48, Channel Bandwidth 5MHz, 1RB0

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	18.39	23.00	-4.61	1.55 H	355	79.08	-60.69
2	3625.00	18.55	23.00	-4.45	1.52 H	355	78.84	-60.29
3	3697.50	19.51	23.00	-3.49	1.57 H	358	79.31	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	20.41	23.00	-2.59	1.52 V	8	81.10	-60.69
2	3625.00	20.47	23.00	-2.53	1.58 V	7	80.76	-60.29
3	3697.50	21.82	23.00	-1.18	1.48 V	2	81.62	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 1RB12

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	18.53	23.00	-4.47	1.61 H	9	79.22	-60.69
2	3625.00	19.17	23.00	-3.83	1.51 H	5	79.46	-60.29
3	3697.50	19.72	23.00	-3.28	1.54 H	3	79.52	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	20.44	23.00	-2.56	1.60 V	1	81.13	-60.69
2	3625.00	21.26	23.00	-1.74	1.51 V	7	81.55	-60.29
3	3697.50	21.82	23.00	-1.18	1.56 V	7	81.62	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 1RB24

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	18.52	23.00	-4.48	1.51 H	358	79.21	-60.69
2	3625.00	19.24	23.00	-3.76	1.50 H	352	79.53	-60.29
3	3697.50	19.53	23.00	-3.47	1.54 H	358	79.33	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	20.63	23.00	-2.37	1.57 V	4	81.32	-60.69
2	3625.00	20.99	23.00	-2.01	1.60 V	6	81.28	-60.29
3	3697.50	21.36	23.00	-1.64	1.56 V	4	81.16	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 12RB0

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	18.63	23.00	-4.37	1.58 H	352	79.32	-60.69
2	3625.00	18.83	23.00	-4.17	1.60 H	353	79.12	-60.29
3	3697.50	19.12	23.00	-3.88	1.55 H	360	78.92	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	20.75	23.00	-2.25	1.58 V	9	81.44	-60.69
2	3625.00	20.94	23.00	-2.06	1.52 V	6	81.23	-60.29
3	3697.50	21.23	23.00	-1.77	1.38 V	5	81.03	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 12RB6

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	18.92	23.00	-4.08	1.65 H	352	79.61	-60.69
2	3625.00	19.05	23.00	-3.95	1.52 H	354	79.34	-60.29
3	3697.50	19.15	23.00	-3.85	1.55 H	351	78.95	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	20.83	23.00	-2.17	1.54 V	3	81.52	-60.69
2	3625.00	21.05	23.00	-1.95	1.52 V	5	81.34	-60.29
3	3697.50	21.18	23.00	-1.82	1.58 V	2	80.98	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 12RB13

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	18.57	23.00	-4.43	1.52 H	360	79.26	-60.69
2	3625.00	19.40	23.00	-3.60	1.59 H	352	79.69	-60.29
3	3697.50	19.84	23.00	-3.16	1.57 H	355	79.64	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	20.55	23.00	-2.45	1.53 V	7	81.24	-60.69
2	3625.00	21.51	23.00	-1.49	1.54 V	2	81.80	-60.29
3	3697.50	21.65	23.00	-1.35	1.57 V	6	81.45	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 25RB0

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	18.24	23.00	-4.76	1.52 H	360	78.93	-60.69
2	3625.00	18.60	23.00	-4.40	1.56 H	355	78.89	-60.29
3	3697.50	18.68	23.00	-4.32	1.58 H	352	78.48	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	20.04	23.00	-2.96	1.54 V	11	80.73	-60.69
2	3625.00	20.48	23.00	-2.52	1.54 V	5	80.77	-60.29
3	3697.50	20.85	23.00	-2.15	1.64 V	3	80.65	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 1RB0

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.32	23.00	-4.68	1.52 H	12	79.00	-60.68
2	3625.00	19.03	23.00	-3.97	1.60 H	5	79.32	-60.29
3	3695.00	19.39	23.00	-3.61	1.65 H	10	79.22	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	21.11	23.00	-1.89	1.63 V	10	81.79	-60.68
2	3625.00	21.13	23.00	-1.87	1.52 V	15	81.42	-60.29
3	3695.00	21.72	23.00	-1.28	1.54 V	5	81.55	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 1RB24

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.03	23.00	-4.97	1.54 H	2	78.71	-60.68
2	3625.00	18.63	23.00	-4.37	1.58 H	10	78.92	-60.29
3	3695.00	19.29	23.00	-3.71	1.50 H	8	79.12	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	20.19	23.00	-2.81	1.60 V	1	80.87	-60.68
2	3625.00	20.61	23.00	-2.39	1.50 V	5	80.90	-60.29
3	3695.00	21.29	23.00	-1.71	1.58 V	5	81.12	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 1RB49

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.21	23.00	-4.79	1.55 H	11	78.89	-60.68
2	3625.00	18.81	23.00	-4.19	1.52 H	3	79.10	-60.29
3	3695.00	19.39	23.00	-3.61	1.60 H	6	79.22	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	20.20	23.00	-2.80	1.57 V	25	80.88	-60.68
2	3625.00	20.92	23.00	-2.08	1.58 V	2	81.21	-60.29
3	3695.00	21.29	23.00	-1.71	1.62 V	10	81.12	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 25RB0

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	17.79	23.00	-5.21	1.51 H	351	78.47	-60.68
2	3625.00	19.04	23.00	-3.96	1.58 H	10	79.33	-60.29
3	3695.00	20.06	23.00	-2.94	1.70 H	6	79.89	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	19.77	23.00	-3.23	1.50 V	2	80.45	-60.68
2	3625.00	20.22	23.00	-2.78	1.56 V	10	80.51	-60.29
3	3695.00	20.91	23.00	-2.09	1.51 V	13	80.74	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 25RB12

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	17.75	23.00	-5.25	1.57 H	352	78.43	-60.68
2	3625.00	18.28	23.00	-4.72	1.53 H	352	78.57	-60.29
3	3695.00	18.92	23.00	-4.08	1.58 H	360	78.75	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	19.76	23.00	-3.24	1.60 V	13	80.44	-60.68
2	3625.00	20.23	23.00	-2.77	1.59 V	6	80.52	-60.29
3	3695.00	20.85	23.00	-2.15	1.51 V	2	80.68	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 25RB25

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	17.67	23.00	-5.33	1.57 H	351	78.35	-60.68
2	3625.00	18.12	23.00	-4.88	1.52 H	356	78.41	-60.29
3	3695.00	18.83	23.00	-4.17	1.64 H	350	78.66	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	19.67	23.00	-3.33	1.51 V	7	80.35	-60.68
2	3625.00	20.27	23.00	-2.73	1.50 V	14	80.56	-60.29
3	3695.00	20.68	23.00	-2.32	1.56 V	31	80.51	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 50RB0

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	17.73	23.00	-5.27	1.51 H	352	78.41	-60.68
2	3625.00	18.34	23.00	-4.66	1.55 H	350	78.63	-60.29
3	3695.00	18.94	23.00	-4.06	1.58 H	356	78.77	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	19.79	23.00	-3.21	1.52 V	3	80.47	-60.68
2	3625.00	20.40	23.00	-2.60	1.59 V	6	80.69	-60.29
3	3695.00	20.88	23.00	-2.12	1.52 V	1	80.71	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.76	23.00	-4.24	1.51 H	355	79.43	-60.67
2	3625.00	19.11	23.00	-3.89	1.50 H	352	79.40	-60.29
3	3692.50	19.92	23.00	-3.08	1.51 H	358	79.76	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.82	23.00	-2.18	1.58 V	10	81.49	-60.67
2	3625.00	21.13	23.00	-1.87	1.56 V	5	81.42	-60.29
3	3692.50	21.94	23.00	-1.06	1.55 V	12	81.78	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB37

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.74	23.00	-4.26	1.58 H	359	79.41	-60.67
2	3625.00	19.15	23.00	-3.85	1.60 H	353	79.44	-60.29
3	3692.50	19.68	23.00	-3.32	1.54 H	355	79.52	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.80	23.00	-2.20	1.61 V	10	81.47	-60.67
2	3625.00	21.20	23.00	-1.80	1.45 V	2	81.49	-60.29
3	3692.50	21.91	23.00	-1.09	1.57 V	15	81.75	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB74

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.66	23.00	-4.34	1.63 H	352	79.33	-60.67
2	3625.00	19.12	23.00	-3.88	1.50 H	355	79.41	-60.29
3	3692.50	19.31	23.00	-3.69	1.58 H	355	79.15	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.67	23.00	-2.33	1.60 V	10	81.34	-60.67
2	3625.00	20.93	23.00	-2.07	1.55 V	1	81.22	-60.29
3	3692.50	21.35	23.00	-1.65	1.52 V	4	81.19	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.38	23.00	-4.62	1.58 H	356	79.05	-60.67
2	3625.00	18.86	23.00	-4.14	1.53 H	356	79.15	-60.29
3	3692.50	19.21	23.00	-3.79	1.53 H	354	79.05	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.42	23.00	-2.58	1.60 V	13	81.09	-60.67
2	3625.00	20.82	23.00	-2.18	1.80 V	15	81.11	-60.29
3	3692.50	21.26	23.00	-1.74	1.58 V	22	81.10	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB19

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.24	23.00	-4.76	1.52 H	351	78.91	-60.67
2	3625.00	18.77	23.00	-4.23	1.58 H	358	79.06	-60.29
3	3692.50	19.24	23.00	-3.76	1.66 H	352	79.08	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.32	23.00	-2.68	1.50 V	13	80.99	-60.67
2	3625.00	20.77	23.00	-2.23	1.56 V	2	81.06	-60.29
3	3692.50	21.18	23.00	-1.82	1.58 V	10	81.02	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB39

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.38	23.00	-4.62	1.60 H	359	79.05	-60.67
2	3625.00	18.71	23.00	-4.29	1.52 H	350	79.00	-60.29
3	3692.50	19.29	23.00	-3.71	1.55 H	352	79.13	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.34	23.00	-2.66	1.50 V	10	81.01	-60.67
2	3625.00	20.71	23.00	-2.29	1.59 V	9	81.00	-60.29
3	3692.50	21.27	23.00	-1.73	1.52 V	13	81.11	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 75RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.21	23.00	-4.79	1.51 H	351	78.88	-60.67
2	3625.00	18.67	23.00	-4.33	1.50 H	359	78.96	-60.29
3	3692.50	19.15	23.00	-3.85	1.52 H	357	78.99	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.05	23.00	-2.95	1.59 V	2	80.72	-60.67
2	3625.00	20.64	23.00	-2.36	1.56 V	7	80.93	-60.29
3	3692.50	21.16	23.00	-1.84	1.56 V	5	81.00	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.05	23.00	-3.95	1.60 H	356	79.71	-60.66
2	3625.00	19.54	23.00	-3.46	1.52 H	351	79.83	-60.29
3	3690.00	19.94	23.00	-3.06	1.53 H	355	79.79	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.09	23.00	-1.91	1.59 V	3	81.75	-60.66
2	3625.00	21.56	23.00	-1.44	1.69 V	5	81.85	-60.29
3	3690.00	22.05	23.00	-0.95	1.53 V	13	81.90	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB50

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.90	23.00	-4.10	1.52 H	358	79.56	-60.66
2	3625.00	19.54	23.00	-3.46	1.58 H	352	79.83	-60.29
3	3690.00	19.86	23.00	-3.14	1.52 H	353	79.71	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	20.99	23.00	-2.01	1.54 V	15	81.65	-60.66
2	3625.00	21.52	23.00	-1.48	1.50 V	16	81.81	-60.29
3	3690.00	21.86	23.00	-1.14	1.66 V	3	81.71	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB99

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.95	23.00	-4.05	1.58 H	360	79.61	-60.66
2	3625.00	19.72	23.00	-3.28	1.63 H	351	80.01	-60.29
3	3690.00	20.50	23.00	-2.50	1.52 H	350	80.35	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	20.97	23.00	-2.03	1.53 V	13	81.63	-60.66
2	3625.00	21.43	23.00	-1.57	1.56 V	15	81.72	-60.29
3	3690.00	21.75	23.00	-1.25	1.53 V	20	81.60	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.44	23.00	-4.56	1.58 H	357	79.10	-60.66
2	3625.00	18.76	23.00	-4.24	1.51 H	355	79.05	-60.29
3	3690.00	19.18	23.00	-3.82	1.53 H	352	79.03	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	20.53	23.00	-2.47	1.52 V	5	81.19	-60.66
2	3625.00	20.79	23.00	-2.21	1.53 V	13	81.08	-60.29
3	3690.00	21.17	23.00	-1.83	1.59 V	15	81.02	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB25

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.37	23.00	-4.63	1.59 H	354	79.03	-60.66
2	3625.00	18.62	23.00	-4.38	1.57 H	351	78.91	-60.29
3	3690.00	18.91	23.00	-4.09	1.59 H	354	78.76	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	20.37	23.00	-2.63	1.54 V	1	81.03	-60.66
2	3625.00	20.70	23.00	-2.30	1.59 V	13	80.99	-60.29
3	3690.00	21.04	23.00	-1.96	1.53 V	20	80.89	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB50

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.47	23.00	-4.53	1.55 H	358	79.13	-60.66
2	3625.00	18.54	23.00	-4.46	1.50 H	351	78.83	-60.29
3	3690.00	19.10	23.00	-3.90	1.50 H	350	78.95	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	20.37	23.00	-2.63	1.53 V	4	81.03	-60.66
2	3625.00	20.54	23.00	-2.46	1.52 V	9	80.83	-60.29
3	3690.00	21.04	23.00	-1.96	1.58 V	3	80.89	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 100RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.17	23.00	-4.83	1.52 H	351	78.83	-60.66
2	3625.00	18.34	23.00	-4.66	1.61 H	355	78.63	-60.29
3	3690.00	18.92	23.00	-4.08	1.58 H	351	78.77	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	20.16	23.00	-2.84	1.52 V	13	80.82	-60.66
2	3625.00	20.34	23.00	-2.66	1.53 V	13	80.63	-60.29
3	3690.00	20.90	23.00	-2.10	1.52 V	10	80.75	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

Modulation Type: 64QAM

LTE Band 48, Channel Bandwidth 5MHz, 1RB0

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	17.09	23.00	-5.91	1.55 H	352	77.78	-60.69
2	3625.00	17.03	23.00	-5.97	1.59 H	355	77.32	-60.29
3	3697.50	17.95	23.00	-5.05	1.52 H	351	77.75	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	19.06	23.00	-3.94	1.52 V	13	79.75	-60.69
2	3625.00	19.00	23.00	-4.00	1.52 V	7	79.29	-60.29
3	3697.50	20.25	23.00	-2.75	1.44 V	5	80.05	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 1RB12

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	17.05	23.00	-5.95	1.51 H	10	77.74	-60.69
2	3625.00	17.69	23.00	-5.31	1.51 H	2	77.98	-60.29
3	3697.50	18.24	23.00	-4.76	1.52 H	1	78.04	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	18.97	23.00	-4.03	1.58 V	3	79.66	-60.69
2	3625.00	18.76	23.00	-4.24	1.51 V	10	79.05	-60.29
3	3697.50	20.35	23.00	-2.65	1.52 V	8	80.15	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 1RB24

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	17.09	23.00	-5.91	1.51 H	351	77.78	-60.69
2	3625.00	17.75	23.00	-5.25	1.50 H	355	78.04	-60.29
3	3697.50	18.06	23.00	-4.94	1.52 H	353	77.86	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	19.15	23.00	-3.85	1.50 V	3	79.84	-60.69
2	3625.00	19.48	23.00	-3.52	1.58 V	10	79.77	-60.29
3	3697.50	19.89	23.00	-3.11	1.52 V	8	79.69	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 12RB0

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	17.16	23.00	-5.84	1.58 H	360	77.85	-60.69
2	3625.00	17.39	23.00	-5.61	1.60 H	359	77.68	-60.29
3	3697.50	17.61	23.00	-5.39	1.53 H	352	77.41	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	19.27	23.00	-3.73	1.52 V	13	79.96	-60.69
2	3625.00	19.43	23.00	-3.57	1.49 V	6	79.72	-60.29
3	3697.50	19.79	23.00	-3.21	1.53 V	13	79.59	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 12RB6

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	17.47	23.00	-5.53	1.65 H	351	78.16	-60.69
2	3625.00	17.63	23.00	-5.37	1.52 H	354	77.92	-60.29
3	3697.50	17.69	23.00	-5.31	1.53 H	359	77.49	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	19.36	23.00	-3.64	1.51 V	5	80.05	-60.69
2	3625.00	19.63	23.00	-3.37	1.52 V	7	79.92	-60.29
3	3697.50	19.61	23.00	-3.39	1.56 V	3	79.41	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 12RB13

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	17.10	23.00	-5.90	1.57 H	350	77.79	-60.69
2	3625.00	17.84	23.00	-5.16	1.59 H	358	78.13	-60.29
3	3697.50	18.39	23.00	-4.61	1.52 H	352	78.19	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	19.09	23.00	-3.91	1.53 V	7	79.78	-60.69
2	3625.00	20.02	23.00	-2.98	1.54 V	13	80.31	-60.29
3	3697.50	20.19	23.00	-2.81	1.57 V	20	79.99	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 5MHz, 25RB0

Mode	TX channel 55265, 55990, 56715							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	16.77	23.00	-6.23	1.52 H	355	77.46	-60.69
2	3625.00	17.06	23.00	-5.94	1.56 H	352	77.35	-60.29
3	3697.50	17.23	23.00	-5.77	1.52 H	357	77.03	-59.80
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3552.50	18.57	23.00	-4.43	1.58 V	3	79.26	-60.69
2	3625.00	18.96	23.00	-4.04	1.52 V	10	79.25	-60.29
3	3697.50	19.33	23.00	-3.67	1.55 V	6	79.13	-59.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 1RB0

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	16.87	23.00	-6.13	1.59 H	2	77.55	-60.68
2	3625.00	17.57	23.00	-5.43	1.52 H	1	77.86	-60.29
3	3695.00	17.94	23.00	-5.06	1.50 H	10	77.77	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	19.57	23.00	-3.43	1.50 V	13	80.25	-60.68
2	3625.00	19.67	23.00	-3.33	1.60 V	12	79.96	-60.29
3	3695.00	20.26	23.00	-2.74	1.52 V	13	80.09	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 1RB24

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	16.58	23.00	-6.42	1.52 H	3	77.26	-60.68
2	3625.00	17.17	23.00	-5.83	1.50 H	10	77.46	-60.29
3	3695.00	17.86	23.00	-5.14	1.50 H	9	77.69	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.71	23.00	-4.29	1.52 V	3	79.39	-60.68
2	3625.00	19.27	23.00	-3.73	1.50 V	8	79.56	-60.29
3	3695.00	19.82	23.00	-3.18	1.51 V	13	79.65	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 1RB49

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	16.67	23.00	-6.33	1.51 H	10	77.35	-60.68
2	3625.00	17.34	23.00	-5.66	1.58 H	6	77.63	-60.29
3	3695.00	17.91	23.00	-5.09	1.51 H	6	77.74	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.68	23.00	-4.32	1.50 V	13	79.36	-60.68
2	3625.00	19.49	23.00	-3.51	1.58 V	5	79.78	-60.29
3	3695.00	19.80	23.00	-3.20	1.52 V	13	79.63	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 25RB0

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	16.84	23.00	-6.16	1.52 H	357	77.52	-60.68
2	3625.00	17.43	23.00	-5.57	1.52 H	5	77.72	-60.29
3	3695.00	18.07	23.00	-4.93	1.58 H	6	77.90	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.28	23.00	-4.72	1.60 V	5	78.96	-60.68
2	3625.00	18.73	23.00	-4.27	1.56 V	20	79.02	-60.29
3	3695.00	19.43	23.00	-3.57	1.52 V	10	79.26	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 25RB12

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	16.30	23.00	-6.70	1.52 H	359	76.98	-60.68
2	3625.00	16.76	23.00	-6.24	1.53 H	354	77.05	-60.29
3	3695.00	17.22	23.00	-5.78	1.53 H	352	77.05	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.27	23.00	-4.73	1.52 V	10	78.95	-60.68
2	3625.00	18.75	23.00	-4.25	1.59 V	5	79.04	-60.29
3	3695.00	19.29	23.00	-3.71	1.58 V	1	79.12	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 25RB25

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	16.01	23.00	-6.99	1.52 H	358	76.69	-60.68
2	3625.00	16.60	23.00	-6.40	1.52 H	351	76.89	-60.29
3	3695.00	17.22	23.00	-5.78	1.52 H	353	77.05	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.21	23.00	-4.79	1.53 V	4	78.89	-60.68
2	3625.00	18.72	23.00	-4.28	1.50 V	15	79.01	-60.29
3	3695.00	19.19	23.00	-3.81	1.58 V	35	79.02	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 10MHz, 50RB0

Mode	TX channel 55290, 55990, 56690							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	16.26	23.00	-6.74	1.60 H	360	76.94	-60.68
2	3625.00	16.83	23.00	-6.17	1.55 H	355	77.12	-60.29
3	3695.00	17.23	23.00	-5.77	1.54 H	352	77.06	-59.83
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	18.26	23.00	-4.74	1.60 V	13	78.94	-60.68
2	3625.00	18.85	23.00	-4.15	1.52 V	8	79.14	-60.29
3	3695.00	19.12	23.00	-3.88	1.54 V	3	78.95	-59.83

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	17.26	23.00	-5.74	1.57 H	351	77.93	-60.67
2	3625.00	17.61	23.00	-5.39	1.50 H	358	77.90	-60.29
3	3692.50	18.32	23.00	-4.68	1.50 H	354	78.16	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.39	23.00	-3.61	1.58 V	15	80.06	-60.67
2	3625.00	19.67	23.00	-3.33	1.51 V	3	79.96	-60.29
3	3692.50	20.45	23.00	-2.55	1.58 V	10	80.29	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB37

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	17.25	23.00	-5.75	1.50 H	360	77.92	-60.67
2	3625.00	17.65	23.00	-5.35	1.53 H	352	77.94	-60.29
3	3692.50	17.91	23.00	-5.09	1.54 H	358	77.75	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.28	23.00	-3.72	1.57 V	2	79.95	-60.67
2	3625.00	19.61	23.00	-3.39	1.61 V	5	79.90	-60.29
3	3692.50	20.01	23.00	-2.99	1.53 V	10	79.85	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB74

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	17.16	23.00	-5.84	1.58 H	351	77.83	-60.67
2	3625.00	17.62	23.00	-5.38	1.58 H	351	77.91	-60.29
3	3692.50	17.93	23.00	-5.07	1.52 H	358	77.77	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.12	23.00	-3.88	1.51 V	11	79.79	-60.67
2	3625.00	19.44	23.00	-3.56	1.55 V	3	79.73	-60.29
3	3692.50	19.78	23.00	-3.22	1.52 V	4	79.62	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	16.91	23.00	-6.09	1.51 H	360	77.58	-60.67
2	3625.00	17.37	23.00	-5.63	1.60 H	352	77.66	-60.29
3	3692.50	17.41	23.00	-5.59	1.58 H	352	77.25	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.92	23.00	-4.08	1.61 V	5	79.59	-60.67
2	3625.00	19.22	23.00	-3.78	1.80 V	16	79.51	-60.29
3	3692.50	19.46	23.00	-3.54	1.55 V	35	79.30	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB19

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	16.79	23.00	-6.21	1.60 H	352	77.46	-60.67
2	3625.00	17.29	23.00	-5.71	1.51 H	352	77.58	-60.29
3	3692.50	17.32	23.00	-5.68	1.57 H	355	77.16	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.82	23.00	-4.18	1.63 V	3	79.49	-60.67
2	3625.00	19.23	23.00	-3.77	1.52 V	8	79.52	-60.29
3	3692.50	19.38	23.00	-3.62	1.52 V	5	79.22	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB39

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	16.88	23.00	-6.12	1.51 H	350	77.55	-60.67
2	3625.00	17.21	23.00	-5.79	1.57 H	350	77.50	-60.29
3	3692.50	17.44	23.00	-5.56	1.52 H	351	77.28	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.84	23.00	-4.16	1.60 V	3	79.51	-60.67
2	3625.00	19.18	23.00	-3.82	1.55 V	9	79.47	-60.29
3	3692.50	19.46	23.00	-3.54	1.57 V	5	79.30	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 75RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	16.71	23.00	-6.29	1.57 H	358	77.38	-60.67
2	3625.00	17.16	23.00	-5.84	1.50 H	360	77.45	-60.29
3	3692.50	17.56	23.00	-5.44	1.51 H	351	77.40	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.54	23.00	-4.46	1.58 V	2	79.21	-60.67
2	3625.00	19.14	23.00	-3.86	1.52 V	2	79.43	-60.29
3	3692.50	19.21	23.00	-3.79	1.54 V	3	79.05	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	17.57	23.00	-5.43	1.55 H	360	78.23	-60.66
2	3625.00	18.03	23.00	-4.97	1.52 H	352	78.32	-60.29
3	3690.00	18.36	23.00	-4.64	1.52 H	354	78.21	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.89	23.00	-3.11	1.61 V	5	80.55	-60.66
2	3625.00	20.34	23.00	-2.66	1.70 V	3	80.63	-60.29
3	3690.00	20.84	23.00	-2.16	1.61 V	10	80.69	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB50

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	17.57	23.00	-5.43	1.55 H	360	78.23	-60.66
2	3625.00	18.03	23.00	-4.97	1.52 H	352	78.32	-60.29
3	3690.00	18.36	23.00	-4.64	1.52 H	354	78.21	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.47	23.00	-3.53	1.58 V	16	80.13	-60.66
2	3625.00	20.02	23.00	-2.98	1.53 V	12	80.31	-60.29
3	3690.00	20.16	23.00	-2.84	1.66 V	5	80.01	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB99

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	17.47	23.00	-5.53	1.58 H	356	78.13	-60.66
2	3625.00	18.27	23.00	-4.73	1.63 H	355	78.56	-60.29
3	3690.00	18.48	23.00	-4.52	1.53 H	358	78.33	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.49	23.00	-3.51	1.50 V	21	80.15	-60.66
2	3625.00	19.94	23.00	-3.06	1.56 V	2	80.23	-60.29
3	3690.00	20.25	23.00	-2.75	1.58 V	13	80.10	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	17.02	23.00	-5.98	1.52 H	351	77.68	-60.66
2	3625.00	17.27	23.00	-5.73	1.51 H	352	77.56	-60.29
3	3690.00	17.65	23.00	-5.35	1.58 H	355	77.50	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.01	23.00	-3.99	1.61 V	5	79.67	-60.66
2	3625.00	19.26	23.00	-3.74	1.52 V	18	79.55	-60.29
3	3690.00	19.49	23.00	-3.51	1.59 V	20	79.34	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB25

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	16.92	23.00	-6.08	1.60 H	353	77.58	-60.66
2	3625.00	17.12	23.00	-5.88	1.53 H	356	77.41	-60.29
3	3690.00	17.20	23.00	-5.80	1.51 H	352	77.05	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.93	23.00	-4.07	1.60 V	3	79.59	-60.66
2	3625.00	19.20	23.00	-3.80	1.59 V	5	79.49	-60.29
3	3690.00	19.28	23.00	-3.72	1.58 V	13	79.13	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB50

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	17.03	23.00	-5.97	1.54 H	360	77.69	-60.66
2	3625.00	17.04	23.00	-5.96	1.50 H	352	77.33	-60.29
3	3690.00	17.71	23.00	-5.29	1.52 H	358	77.56	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.92	23.00	-4.08	1.58 V	6	79.58	-60.66
2	3625.00	19.03	23.00	-3.97	1.51 V	12	79.32	-60.29
3	3690.00	19.31	23.00	-3.69	1.60 V	4	79.16	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 100RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	16.70	23.00	-6.30	1.60 H	353	77.36	-60.66
2	3625.00	16.84	23.00	-6.16	1.58 H	358	77.13	-60.29
3	3690.00	17.24	23.00	-5.76	1.54 H	352	77.09	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.67	23.00	-4.33	1.58 V	19	79.33	-60.66
2	3625.00	18.84	23.00	-4.16	1.53 V	6	79.13	-60.29
3	3690.00	19.11	23.00	-3.89	1.50 V	5	78.96	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

EIRP Full Power (dBm)

Modulation Type: QPSK

LTE Band 48, Channel Bandwidth 5MHz and Channel Bandwidth 10MHz full power test data, please refer to Channel Bandwidth 5MHz and Channel Bandwidth 10MHz per 10MHz power.

LTE Band 48, Channel Bandwidth 15MHz, 1RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.69	23.00	-3.31	1.58 H	356	80.36	-60.67
2	3625.00	20.03	23.00	-2.97	1.54 H	353	80.32	-60.29
3	3692.50	20.80	23.00	-2.20	1.59 H	353	80.64	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	21.76	23.00	-1.24	1.58 V	12	82.43	-60.67
2	3625.00	22.13	23.00	-0.87	1.56 V	3	82.42	-60.29
3	3692.50	22.82	23.00	-0.18	1.55 V	1	82.66	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB37

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.85	23.00	-3.15	1.55 H	354	80.52	-60.67
2	3625.00	20.02	23.00	-2.98	1.60 H	356	80.31	-60.29
3	3692.50	20.75	23.00	-2.25	1.52 H	356	80.59	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	21.71	23.00	-1.29	1.61 V	2	82.38	-60.67
2	3625.00	22.03	23.00	-0.97	1.50 V	6	82.32	-60.29
3	3692.50	22.69	23.00	-0.31	1.35 V	4	82.53	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB74

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.53	23.00	-3.47	1.60 H	360	80.20	-60.67
2	3625.00	20.00	23.00	-3.00	1.53 H	353	80.29	-60.29
3	3692.50	20.19	23.00	-2.81	1.51 H	355	80.03	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	21.60	23.00	-1.40	1.52 V	1	82.27	-60.67
2	3625.00	22.09	23.00	-0.91	1.54 V	3	82.38	-60.29
3	3692.50	22.21	23.00	-0.79	1.52 V	13	82.05	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.23	23.00	-3.77	1.58 H	353	79.90	-60.67
2	3625.00	19.75	23.00	-3.25	1.53 H	350	80.04	-60.29
3	3692.50	20.04	23.00	-2.96	1.52 H	353	79.88	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	21.35	23.00	-1.65	1.50 V	5	82.02	-60.67
2	3625.00	21.75	23.00	-1.25	2.03 V	15	82.04	-60.29
3	3692.50	22.06	23.00	-0.94	1.58 V	13	81.90	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB19

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.25	23.00	-3.75	1.58 H	350	79.92	-60.67
2	3625.00	19.69	23.00	-3.31	1.54 H	355	79.98	-60.29
3	3692.50	20.12	23.00	-2.88	1.55 H	352	79.96	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	21.31	23.00	-1.69	1.70 V	20	81.98	-60.67
2	3625.00	21.73	23.00	-1.27	1.56 V	5	82.02	-60.29
3	3692.50	22.22	23.00	-0.78	1.52 V	13	82.06	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB39

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.25	23.00	-3.75	1.57 H	355	79.92	-60.67
2	3625.00	19.66	23.00	-3.34	1.56 H	354	79.95	-60.29
3	3692.50	20.13	23.00	-2.87	1.54 H	352	79.97	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	21.30	23.00	-1.70	1.60 V	5	81.97	-60.67
2	3625.00	21.62	23.00	-1.38	1.52 V	10	81.91	-60.29
3	3692.50	22.25	23.00	-0.75	1.54 V	5	82.09	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 75RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.96	23.00	-4.04	1.51 H	351	79.63	-60.67
2	3625.00	19.58	23.00	-3.42	1.50 H	353	79.87	-60.29
3	3692.50	20.13	23.00	-2.87	1.24 H	358	79.97	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.96	23.00	-2.04	1.60 V	1	81.63	-60.67
2	3625.00	21.58	23.00	-1.42	1.56 V	3	81.87	-60.29
3	3692.50	22.11	23.00	-0.89	1.58 V	10	81.95	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.94	23.00	-3.06	1.52 H	357	80.60	-60.66
2	3625.00	20.45	23.00	-2.55	1.59 H	355	80.74	-60.29
3	3690.00	20.86	23.00	-2.14	1.60 H	353	80.71	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	22.16	23.00	-0.84	1.59 V	5	82.82	-60.66
2	3625.00	22.59	23.00	-0.41	1.69 V	5	82.88	-60.29
3	3690.00	22.90	23.00	-0.10	1.66 V	11	82.75	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB50

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.85	23.00	-3.15	1.56 H	352	80.51	-60.66
2	3625.00	20.45	23.00	-2.55	1.55 H	353	80.74	-60.29
3	3690.00	20.73	23.00	-2.27	1.50 H	354	80.58	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.93	23.00	-1.07	1.58 V	13	82.59	-60.66
2	3625.00	22.45	23.00	-0.55	1.52 V	10	82.74	-60.29
3	3690.00	22.85	23.00	-0.15	1.66 V	5	82.70	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB99

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.87	23.00	-3.13	1.52 H	352	80.53	-60.66
2	3625.00	20.59	23.00	-2.41	1.48 H	355	80.88	-60.29
3	3690.00	20.60	23.00	-2.40	1.58 H	352	80.45	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.86	23.00	-1.14	1.63 V	10	82.52	-60.66
2	3625.00	22.33	23.00	-0.67	1.56 V	15	82.62	-60.29
3	3690.00	22.69	23.00	-0.31	1.44 V	12	82.54	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.45	23.00	-3.55	1.50 H	360	80.11	-60.66
2	3625.00	19.63	23.00	-3.37	1.51 H	350	79.92	-60.29
3	3690.00	20.08	23.00	-2.92	1.51 H	353	79.93	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.48	23.00	-1.52	1.50 V	3	82.14	-60.66
2	3625.00	21.73	23.00	-1.27	1.53 V	15	82.02	-60.29
3	3690.00	22.15	23.00	-0.85	1.52 V	1	82.00	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB25

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.29	23.00	-3.71	1.59 H	359	79.95	-60.66
2	3625.00	19.56	23.00	-3.44	1.58 H	352	79.85	-60.29
3	3690.00	20.10	23.00	-2.90	1.50 H	351	79.95	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.33	23.00	-1.67	1.59 V	1	81.99	-60.66
2	3625.00	21.69	23.00	-1.31	1.52 V	20	81.98	-60.29
3	3690.00	22.13	23.00	-0.87	1.50 V	11	81.98	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB50

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.27	23.00	-3.73	1.52 H	352	79.93	-60.66
2	3625.00	19.44	23.00	-3.56	1.50 H	350	79.73	-60.29
3	3690.00	19.99	23.00	-3.01	1.58 H	351	79.84	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.29	23.00	-1.71	1.51 V	13	81.95	-60.66
2	3625.00	21.56	23.00	-1.44	1.53 V	6	81.85	-60.29
3	3690.00	21.99	23.00	-1.01	1.52 V	10	81.84	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 100RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.00	23.00	-4.00	1.52 H	357	79.66	-60.66
2	3625.00	19.29	23.00	-3.71	1.61 H	353	79.58	-60.29
3	3690.00	19.86	23.00	-3.14	1.58 H	352	79.71	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.09	23.00	-1.91	1.52 V	12	81.75	-60.66
2	3625.00	21.26	23.00	-1.74	1.55 V	8	81.55	-60.29
3	3690.00	21.81	23.00	-1.19	1.59 V	6	81.66	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

Modulation Type: 16QAM

LTE Band 48, Channel Bandwidth 5MHz and Channel Bandwidth 10MHz full power test data, please refer to Channel Bandwidth 5MHz and Channel Bandwidth 10MHz per 10MHz power.

LTE Band 48, Channel Bandwidth 15MHz, 1RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.88	23.00	-4.12	1.60 H	355	79.55	-60.67
2	3625.00	19.32	23.00	-3.68	1.52 H	352	79.61	-60.29
3	3692.50	19.99	23.00	-3.01	1.51 H	352	79.83	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.93	23.00	-2.07	1.58 V	2	81.60	-60.67
2	3625.00	21.26	23.00	-1.74	1.56 V	13	81.55	-60.29
3	3692.50	22.06	23.00	-0.94	1.55 V	20	81.90	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB37

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.80	23.00	-4.20	1.58 H	351	79.47	-60.67
2	3625.00	19.23	23.00	-3.77	1.50 H	353	79.52	-60.29
3	3692.50	19.72	23.00	-3.28	1.52 H	352	79.56	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.85	23.00	-2.15	1.61 V	5	81.52	-60.67
2	3625.00	21.23	23.00	-1.77	1.45 V	20	81.52	-60.29
3	3692.50	22.03	23.00	-0.97	1.52 V	15	81.87	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB74

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.79	23.00	-4.21	1.63 H	354	79.46	-60.67
2	3625.00	19.23	23.00	-3.77	1.50 H	359	79.52	-60.29
3	3692.50	19.40	23.00	-3.60	1.55 H	353	79.24	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.73	23.00	-2.27	1.63 V	10	81.40	-60.67
2	3625.00	21.00	23.00	-2.00	1.51 V	10	81.29	-60.29
3	3692.50	21.46	23.00	-1.54	1.58 V	12	81.30	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.42	23.00	-4.58	1.52 H	360	79.09	-60.67
2	3625.00	18.93	23.00	-4.07	1.50 H	351	79.22	-60.29
3	3692.50	19.45	23.00	-3.55	1.55 H	358	79.29	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.53	23.00	-2.47	1.60 V	5	81.20	-60.67
2	3625.00	20.91	23.00	-2.09	1.80 V	14	81.20	-60.29
3	3692.50	21.36	23.00	-1.64	1.55 V	15	81.20	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB19

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.56	23.00	-4.44	1.52 H	350	79.23	-60.67
2	3625.00	18.89	23.00	-4.11	1.58 H	352	79.18	-60.29
3	3692.50	19.31	23.00	-3.69	1.54 H	360	79.15	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.40	23.00	-2.60	1.50 V	26	81.07	-60.67
2	3625.00	20.81	23.00	-2.19	1.56 V	2	81.10	-60.29
3	3692.50	21.20	23.00	-1.80	1.58 V	2	81.04	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB39

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.52	23.00	-4.48	1.58 H	351	79.19	-60.67
2	3625.00	18.82	23.00	-4.18	1.52 H	356	79.11	-60.29
3	3692.50	19.35	23.00	-3.65	1.50 H	359	79.19	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.43	23.00	-2.57	1.48 V	8	81.10	-60.67
2	3625.00	20.81	23.00	-2.19	1.57 V	13	81.10	-60.29
3	3692.50	21.33	23.00	-1.67	1.31 V	12	81.17	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 75RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.36	23.00	-4.64	1.55 H	358	79.03	-60.67
2	3625.00	18.75	23.00	-4.25	1.50 H	360	79.04	-60.29
3	3692.50	19.29	23.00	-3.71	1.52 H	354	79.13	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	20.15	23.00	-2.85	1.59 V	13	80.82	-60.67
2	3625.00	20.79	23.00	-2.21	1.56 V	12	81.08	-60.29
3	3692.50	21.30	23.00	-1.70	1.55 V	20	81.14	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.21	23.00	-3.79	1.58 H	352	79.87	-60.66
2	3625.00	19.61	23.00	-3.39	1.55 H	356	79.90	-60.29
3	3690.00	19.94	23.00	-3.06	1.55 H	352	79.79	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.20	23.00	-1.80	1.55 V	5	81.86	-60.66
2	3625.00	21.69	23.00	-1.31	1.53 V	3	81.98	-60.29
3	3690.00	22.15	23.00	-0.85	1.53 V	11	82.00	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB50

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.12	23.00	-3.88	1.59 H	353	79.78	-60.66
2	3625.00	19.70	23.00	-3.30	1.52 H	358	79.99	-60.29
3	3690.00	19.97	23.00	-3.03	1.55 H	351	79.82	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.10	23.00	-1.90	1.54 V	15	81.76	-60.66
2	3625.00	21.63	23.00	-1.37	1.50 V	5	81.92	-60.29
3	3690.00	21.92	23.00	-1.08	1.53 V	9	81.77	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB99

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.03	23.00	-3.97	1.53 H	353	79.69	-60.66
2	3625.00	19.82	23.00	-3.18	1.58 H	358	80.11	-60.29
3	3690.00	20.66	23.00	-2.34	1.51 H	351	80.51	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	21.06	23.00	-1.94	1.47 V	9	81.72	-60.66
2	3625.00	21.56	23.00	-1.44	1.52 V	15	81.85	-60.29
3	3690.00	21.88	23.00	-1.12	1.51 V	12	81.73	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.55	23.00	-4.45	1.58 H	352	79.21	-60.66
2	3625.00	18.89	23.00	-4.11	1.51 H	358	79.18	-60.29
3	3690.00	19.29	23.00	-3.71	1.60 H	353	79.14	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	20.65	23.00	-2.35	1.60 V	13	81.31	-60.66
2	3625.00	20.91	23.00	-2.09	1.58 V	5	81.20	-60.29
3	3690.00	21.28	23.00	-1.72	1.52 V	10	81.13	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB25

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.58	23.00	-4.42	1.48 H	351	79.24	-60.66
2	3625.00	18.79	23.00	-4.21	1.52 H	356	79.08	-60.29
3	3690.00	19.06	23.00	-3.94	1.52 H	358	78.91	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	20.45	23.00	-2.55	1.54 V	5	81.11	-60.66
2	3625.00	20.81	23.00	-2.19	1.59 V	16	81.10	-60.29
3	3690.00	21.15	23.00	-1.85	1.58 V	13	81.00	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB50

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.60	23.00	-4.40	1.58 H	354	79.26	-60.66
2	3625.00	18.69	23.00	-4.31	1.49 H	354	78.98	-60.29
3	3690.00	19.23	23.00	-3.77	1.52 H	353	79.08	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	20.49	23.00	-2.51	1.53 V	4	81.15	-60.66
2	3625.00	20.66	23.00	-2.34	1.51 V	10	80.95	-60.29
3	3690.00	21.16	23.00	-1.84	1.59 V	9	81.01	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 100RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.28	23.00	-4.72	1.54 H	357	78.94	-60.66
2	3625.00	18.46	23.00	-4.54	1.56 H	355	78.75	-60.29
3	3690.00	19.06	23.00	-3.94	1.52 H	358	78.91	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	20.28	23.00	-2.72	1.59 V	9	80.94	-60.66
2	3625.00	20.45	23.00	-2.55	1.53 V	5	80.74	-60.29
3	3690.00	21.03	23.00	-1.97	1.58 V	18	80.88	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

Modulation Type: 64QAM

LTE Band 48, Channel Bandwidth 5MHz and Channel Bandwidth 10MHz full power test data, please refer to Channel Bandwidth 5MHz and Channel Bandwidth 10MHz per 10MHz power.

LTE Band 48, Channel Bandwidth 15MHz, 1RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	17.41	23.00	-5.59	1.50 H	359	78.08	-60.67
2	3625.00	17.73	23.00	-5.27	1.58 H	351	78.02	-60.29
3	3692.50	19.41	23.00	-3.59	1.53 H	352	79.25	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.53	23.00	-3.47	1.55 V	21	80.20	-60.67
2	3625.00	19.86	23.00	-3.14	1.58 V	13	80.15	-60.29
3	3692.50	20.50	23.00	-2.50	1.60 V	2	80.34	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB37

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	17.42	23.00	-5.58	1.55 H	353	78.09	-60.67
2	3625.00	17.75	23.00	-5.25	1.53 H	352	78.04	-60.29
3	3692.50	18.00	23.00	-5.00	1.52 H	352	77.84	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.40	23.00	-3.60	1.51 V	20	80.07	-60.67
2	3625.00	19.75	23.00	-3.25	1.52 V	13	80.04	-60.29
3	3692.50	20.15	23.00	-2.85	1.52 V	30	79.99	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 1RB74

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	17.43	23.00	-5.57	1.55 H	351	78.10	-60.67
2	3625.00	17.80	23.00	-5.20	1.48 H	356	78.09	-60.29
3	3692.50	18.01	23.00	-4.99	1.54 H	355	77.85	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.40	23.00	-3.60	1.55 V	14	80.07	-60.67
2	3625.00	19.51	23.00	-3.49	1.51 V	10	79.80	-60.29
3	3692.50	19.84	23.00	-3.16	1.52 V	30	79.68	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	17.21	23.00	-5.79	1.51 H	350	77.88	-60.67
2	3625.00	17.45	23.00	-5.55	1.60 H	356	77.74	-60.29
3	3692.50	17.53	23.00	-5.47	1.55 H	355	77.37	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	19.04	23.00	-3.96	1.66 V	13	79.71	-60.67
2	3625.00	19.31	23.00	-3.69	1.58 V	15	79.60	-60.29
3	3692.50	19.55	23.00	-3.45	1.52 V	31	79.39	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB19

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	16.83	23.00	-6.17	1.52 H	357	77.50	-60.67
2	3625.00	17.33	23.00	-5.67	1.51 H	356	77.62	-60.29
3	3692.50	17.41	23.00	-5.59	1.45 H	352	77.25	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.91	23.00	-4.09	1.55 V	3	79.58	-60.67
2	3625.00	19.31	23.00	-3.69	1.52 V	13	79.60	-60.29
3	3692.50	19.43	23.00	-3.57	1.55 V	13	79.27	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 36RB39

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	17.05	23.00	-5.95	1.57 H	345	77.72	-60.67
2	3625.00	17.40	23.00	-5.60	1.57 H	355	77.69	-60.29
3	3692.50	17.56	23.00	-5.44	1.52 H	350	77.40	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.95	23.00	-4.05	1.60 V	360	79.62	-60.67
2	3625.00	19.30	23.00	-3.70	1.55 V	1	79.59	-60.29
3	3692.50	19.55	23.00	-3.45	1.52 V	3	79.39	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 15MHz, 75RB0

Mode	TX channel 55315, 55990, 56665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	16.83	23.00	-6.17	1.60 H	355	77.50	-60.67
2	3625.00	17.29	23.00	-5.71	1.50 H	360	77.58	-60.29
3	3692.50	17.77	23.00	-5.23	1.57 H	355	77.61	-59.84
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3557.50	18.88	23.00	-4.12	1.52 V	5	79.55	-60.67
2	3625.00	19.45	23.00	-3.55	1.52 V	2	79.74	-60.29
3	3692.50	19.49	23.00	-3.51	1.50 V	5	79.33	-59.84

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	17.67	23.00	-5.33	1.50 H	359	78.33	-60.66
2	3625.00	18.19	23.00	-4.81	1.52 H	355	78.48	-60.29
3	3690.00	18.45	23.00	-4.55	1.53 H	352	78.30	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	20.05	23.00	-2.95	1.50 V	5	80.71	-60.66
2	3625.00	20.50	23.00	-2.50	1.52 V	1	80.79	-60.29
3	3690.00	20.95	23.00	-2.05	1.53 V	15	80.80	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB50

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	17.77	23.00	-5.23	1.50 H	360	78.43	-60.66
2	3625.00	18.16	23.00	-4.84	1.60 H	359	78.45	-60.29
3	3690.00	18.45	23.00	-4.55	1.55 H	352	78.30	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.63	23.00	-3.37	1.58 V	5	80.29	-60.66
2	3625.00	20.15	23.00	-2.85	1.50 V	16	80.44	-60.29
3	3690.00	20.30	23.00	-2.70	1.66 V	11	80.15	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 1RB99

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	17.59	23.00	-5.41	1.58 H	359	78.25	-60.66
2	3625.00	18.33	23.00	-4.67	1.63 H	350	78.62	-60.29
3	3690.00	18.56	23.00	-4.44	1.50 H	352	78.41	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.62	23.00	-3.38	1.60 V	12	80.28	-60.66
2	3625.00	20.05	23.00	-2.95	1.52 V	5	80.34	-60.29
3	3690.00	20.36	23.00	-2.64	1.52 V	10	80.21	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB0

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	17.21	23.00	-5.79	1.52 H	352	77.87	-60.66
2	3625.00	17.35	23.00	-5.65	1.51 H	350	77.64	-60.29
3	3690.00	17.76	23.00	-5.24	1.52 H	352	77.61	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.20	23.00	-3.80	1.52 V	13	79.86	-60.66
2	3625.00	19.39	23.00	-3.61	1.50 V	10	79.68	-60.29
3	3690.00	19.62	23.00	-3.38	1.50 V	15	79.47	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB25

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	17.06	23.00	-5.94	1.52 H	356	77.72	-60.66
2	3625.00	17.26	23.00	-5.74	1.53 H	351	77.55	-60.29
3	3690.00	17.31	23.00	-5.69	1.51 H	350	77.16	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.03	23.00	-3.97	1.58 V	1	79.69	-60.66
2	3625.00	19.36	23.00	-3.64	1.59 V	3	79.65	-60.29
3	3690.00	19.38	23.00	-3.62	1.55 V	10	79.23	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 50RB50

Mode	TX channel 55340, 55990, 56640							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	17.16	23.00	-5.84	1.56 H	360	77.82	-60.66
2	3625.00	17.24	23.00	-5.76	1.50 H	352	77.53	-60.29
3	3690.00	17.96	23.00	-5.04	1.59 H	358	77.81	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	19.06	23.00	-3.94	1.61 V	6	79.72	-60.66
2	3625.00	19.16	23.00	-3.84	1.55 V	12	79.45	-60.29
3	3690.00	19.46	23.00	-3.54	1.52 V	6	79.31	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

LTE Band 48, Channel Bandwidth 20MHz, 100RB0

Mode	TX channel 55340, 55990, 56640

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	16.81	23.00	-6.19	1.60 H	353	77.47	-60.66
2	3625.00	16.96	23.00	-6.04	1.58 H	350	77.25	-60.29
3	3690.00	17.35	23.00	-5.65	1.52 H	351	77.20	-59.85
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3560.00	18.78	23.00	-4.22	1.52 V	12	79.44	-60.66
2	3625.00	18.96	23.00	-4.04	1.53 V	9	79.25	-60.29
3	3690.00	19.22	23.00	-3.78	1.58 V	3	79.07	-59.85

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value.
4. The other EIRP levels were very low against the limit.

4.2 Modulation Characteristics Measurement

4.2.1 Limits of Modulation Characteristics

N/A

4.2.2 Test Setup

4.2.3 Test Instruments

Refer to section 4.4.3 to get information of above instrument.

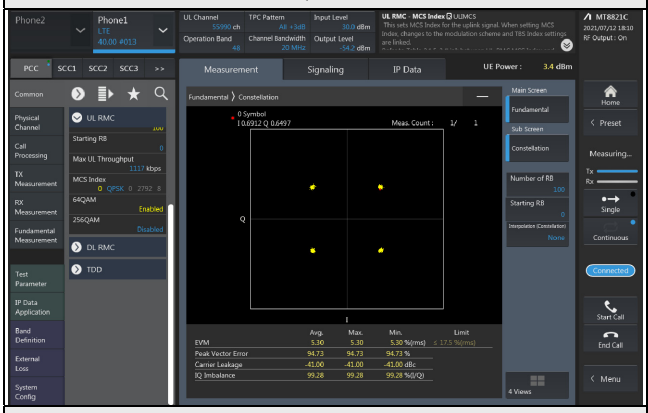
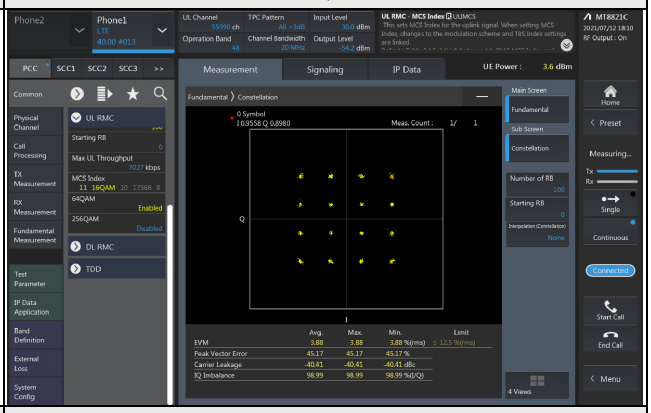
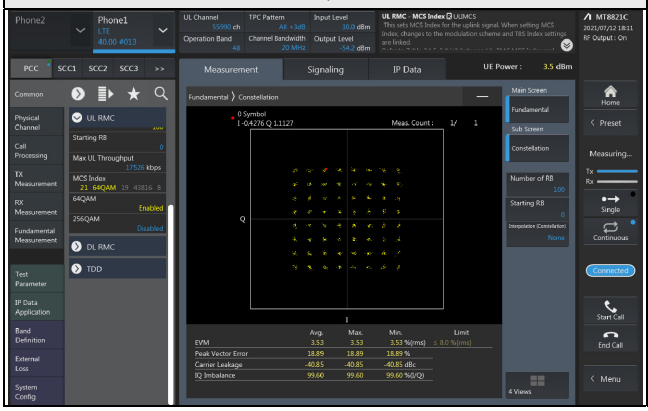
4.2.4 Deviation fromTest Standard

No deviation.

4.2.5 EUT Operating Conditions

Connect the EUT to Communication Simulator via the antenna connector, the frequency band is set as EUT supported Modulation and Channels, the EUT output is matched with 50 ohm load, the waveform quality and constellation of the EUT was tested.

4.2.6 Test Results

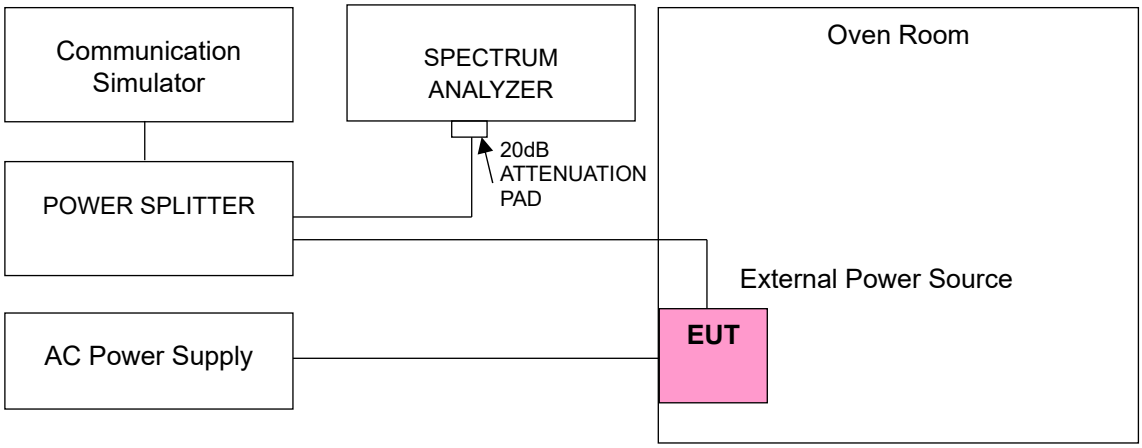
Spectrum Plot of Measurement Value	
Channel: 55990 / Frequency (MHz): 3625.0MHz	
QPSK	16QAM
	
64QAM	
	

4.3 Frequency Stability Measurement

4.3.1 Limits of Frequency Stabiliity Measurement

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

4.3.2 Test Setup



4.3.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Radio Communication Analyzer Anritsu	MT8820C	6201010284	Dec. 28, 2020	Dec. 27, 2021
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	Dec. 24, 2020	Dec. 23, 2021
Three-phase coupling / decoupling network TESEQ	CDN 3063	4006	Mar. 10, 2021	Mar. 09, 2022
AC Power Supply Extech	CFW-105	E000603	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.3.4 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 AC 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 ℃ 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.

4.3.5 Test Results

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 48, Channel Bandwidth: 5MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
120	3552.500026	0.007	3697.500037	0.010
102	3552.500024	0.007	3697.500038	0.010
138	3552.500027	0.008	3697.500039	0.011

Note: The applicant defined the normal working voltage is from 102Vac to 138Vac.

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 48, Channel Bandwidth: 5MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3552.500021	0.006	3697.500018	0.005
-20	3552.500033	0.009	3697.500019	0.005
-10	3552.500020	0.006	3697.500016	0.004
0	3552.500011	0.003	3697.500037	0.010
10	3552.500037	0.010	3697.500023	0.006
20	3552.500018	0.005	3697.500036	0.010
30	3552.500028	0.008	3697.500036	0.010
40	3552.499981	-0.005	3697.499962	-0.010
50	3552.499964	-0.010	3697.499982	-0.005
60	3552.499988	-0.003	3697.499980	-0.005
70	3552.499965	-0.010	3697.499976	-0.006
75	3552.499985	-0.004	3697.499969	-0.008

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 48, Channel Bandwidth: 10MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
120	3555.000015	0.004	3695.000027	0.007
102	3555.000036	0.010	3695.000031	0.008
138	3555.000019	0.005	3695.000018	0.005

Note: The applicant defined the normal working voltage is from 102Vac to 138Vac.

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 48, Channel Bandwidth: 10MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3555.000036	0.010	3695.000035	0.009
-20	3555.000017	0.005	3695.000032	0.009
-10	3555.000040	0.011	3695.000029	0.008
0	3555.000028	0.008	3695.000014	0.004
10	3555.000011	0.003	3695.000030	0.008
20	3555.000024	0.007	3695.000040	0.011
30	3555.000032	0.009	3695.000040	0.011
40	3554.999975	-0.007	3694.999978	-0.006
50	3554.999980	-0.006	3694.999960	-0.011
60	3554.999969	-0.009	3694.999989	-0.003
70	3554.999980	-0.006	3694.999978	-0.006
75	3554.999988	-0.003	3694.999967	-0.009

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 48, Channel Bandwidth: 15MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
120	3557.500032	0.009	3692.500028	0.008
102	3557.500034	0.010	3692.500025	0.007
138	3557.500037	0.010	3692.500040	0.011

Note: The applicant defined the normal working voltage is from 102Vac to 138Vac.

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 48, Channel Bandwidth: 15MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3557.500033	0.009	3692.500034	0.009
-20	3557.500038	0.011	3692.500013	0.004
-10	3557.500016	0.004	3692.500031	0.008
0	3557.500033	0.009	3692.500016	0.004
10	3557.500039	0.011	3692.500018	0.005
20	3557.500021	0.006	3692.500038	0.010
30	3557.500014	0.004	3692.500040	0.011
40	3557.499975	-0.007	3692.499976	-0.006
50	3557.499983	-0.005	3692.499975	-0.007
60	3557.499981	-0.005	3692.499967	-0.009
70	3557.499969	-0.009	3692.499974	-0.007
75	3557.499968	-0.009	3692.499972	-0.008

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 48, Channel Bandwidth: 20MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
120	3560.000024	0.007	3690.000016	0.004
102	3560.000038	0.011	3690.000037	0.010
138	3560.000023	0.006	3690.000027	0.007

Note: The applicant defined the normal working voltage is from 102Vac to 138Vac.

Frequency Error vs. Temperature

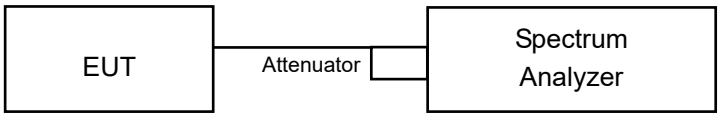
Temp. (℃)	LTE Band 48, Channel Bandwidth: 20MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3560.000015	0.004	3690.000015	0.004
-20	3560.000017	0.005	3690.000029	0.008
-10	3560.000026	0.007	3690.000013	0.004
0	3560.000034	0.010	3690.000022	0.006
10	3560.000032	0.009	3690.000015	0.004
20	3560.000034	0.010	3690.000028	0.008
30	3560.000010	0.003	3690.000021	0.006
40	3559.999972	-0.008	3689.999966	-0.009
50	3559.999979	-0.006	3689.999967	-0.009
60	3559.999974	-0.007	3689.999968	-0.009
70	3559.999978	-0.006	3689.999967	-0.009
75	3559.999969	-0.009	3689.999974	-0.007

4.4 Emission Bandwidth Measurement

4.4.1 Limits of Emission Bandwidth Measurement

Reference only

4.4.2 Test Setup



4.4.3 Test Instruments

Refer to section 4.1.3 to get information of above instrument.

4.4.4 Test Procedure

Occupied Bandwdith & 26dBc Bandwidth

1. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
2. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.
3. Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.
   NOTE—Step 1), step 2), and step 3) may require iteration to adjust within the specified tolerances.
4. The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target "−X dB" requirement, i.e., if the requirement calls for measuring the −26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
5. Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
6. Determine the reference value by either of the following:
   a) Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).
   b) Set the EUT to transmit an unmodulated carrier. Set the spectrum analyzer marker to the level of the carrier.
7. Determine the "−X dB amplitude" as equal to (Reference Value − X). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.

4.4.5 Deviation fromTest Standard

No deviation.

4.4.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

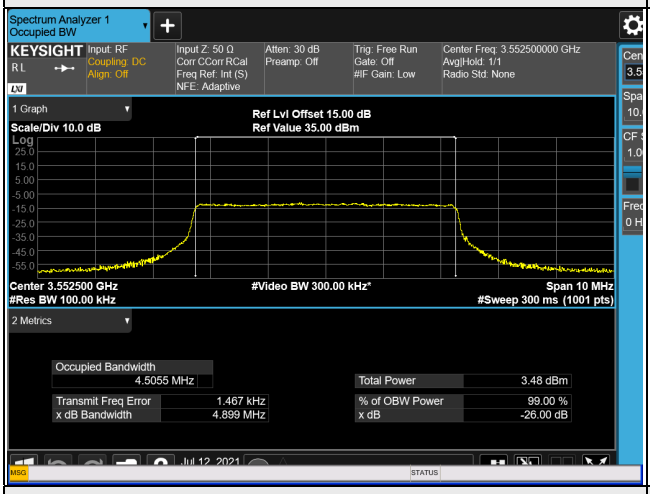
4.4.7 Test Result

Occupied Bandwidth
Chain 0

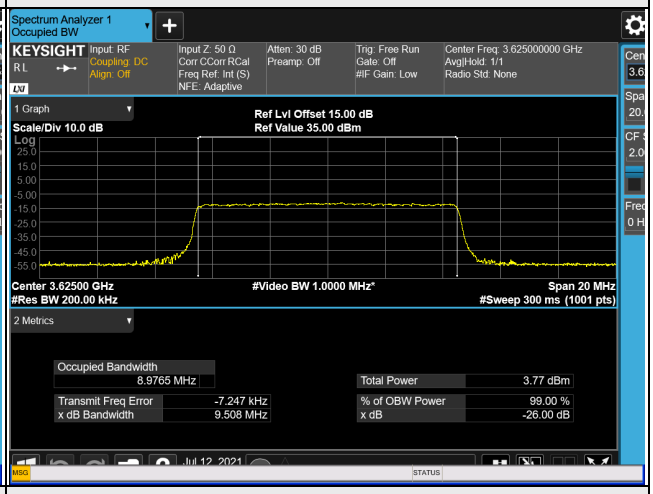
LTE Band 48, Channel Bandwidth 5MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55265	3552.5	4.49	4.49	4.51
55990	3625.0	4.50	4.50	4.50
56715	3697.5	4.50	4.49	4.50
LTE Band 48, Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55290	3555.0	8.96	8.97	8.97
55990	3625.0	8.95	8.98	8.93
56690	3695.0	8.96	8.97	8.96
LTE Band 48, Channel Bandwidth 15MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55315	3557.5	13.46	13.44	13.45
55990	3625.0	13.45	13.39	13.45
56665	3692.5	13.45	13.44	13.44
LTE Band 48, Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55340	3560.0	17.93	17.92	17.92
55990	3625.0	17.94	17.92	17.92
56640	3690.0	17.93	17.93	17.94

Spectrum Plot of Worst Value

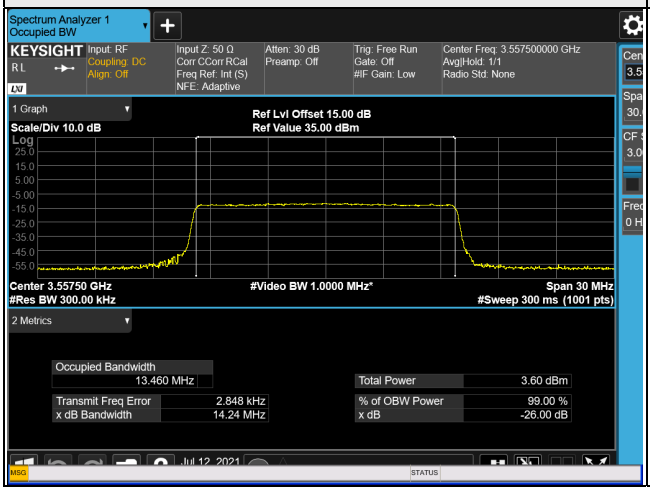
5MHz / 64QAM



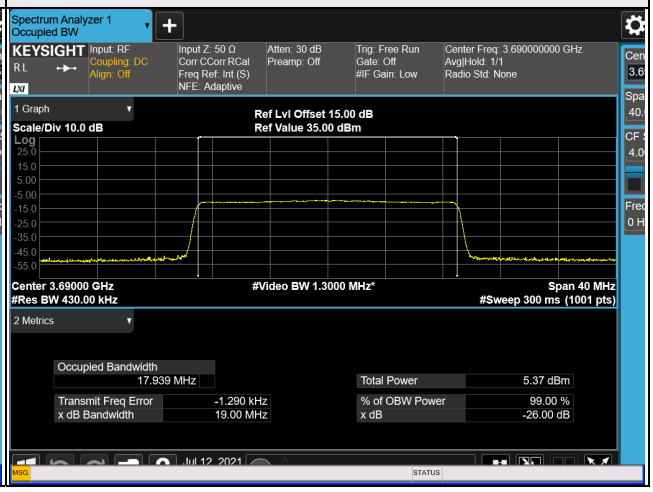
10MHz / 16QAM



15MHz / QPSK



20MHz / 64QAM

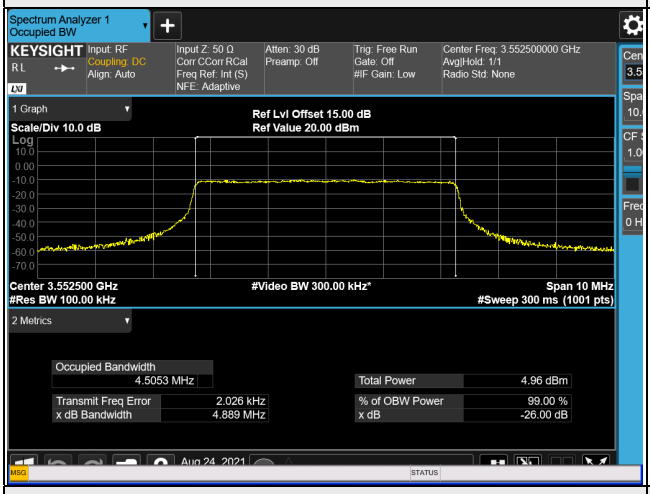


Chain 1

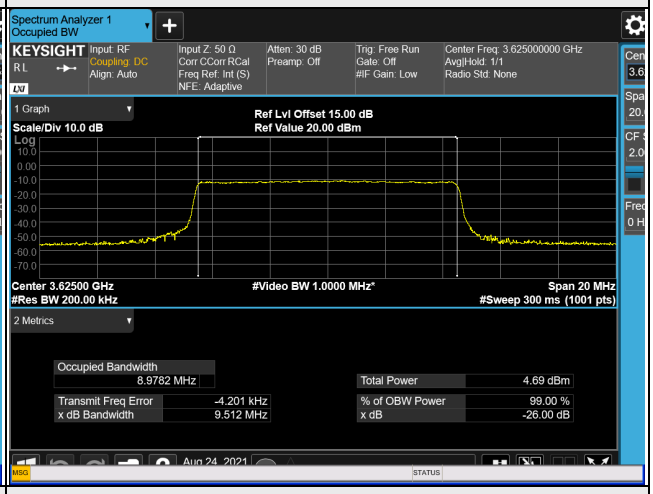
LTE Band 48, Channel Bandwidth 5MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55265	3552.5	4.50	4.49	4.51
55990	3625.0	4.49	4.49	4.50
56715	3697.5	4.50	4.49	4.50
LTE Band 48, Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55290	3555.0	8.96	8.97	8.97
55990	3625.0	8.95	8.98	8.97
56690	3695.0	8.97	8.97	8.97
LTE Band 48, Channel Bandwidth 15MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55315	3557.5	13.46	13.44	13.45
55990	3625.0	13.47	13.42	13.45
56665	3692.5	13.46	13.45	13.45
LTE Band 48, Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55340	3560.0	17.93	17.94	17.94
55990	3625.0	17.92	17.92	17.95
56640	3690.0	17.92	17.92	17.93

Spectrum Plot of Worst Value

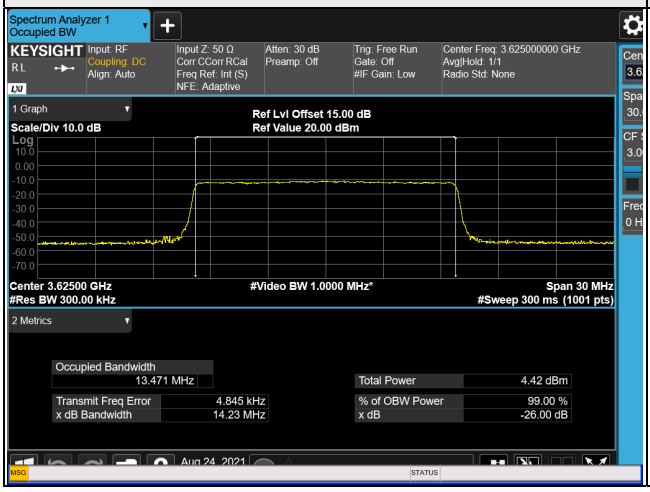
5MHz / 64QAM



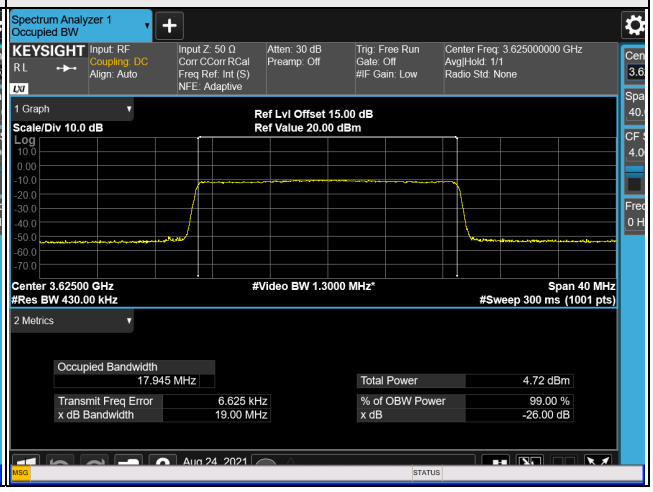
10MHz / 16QAM



15MHz / QPSK



20MHz / 64QAM

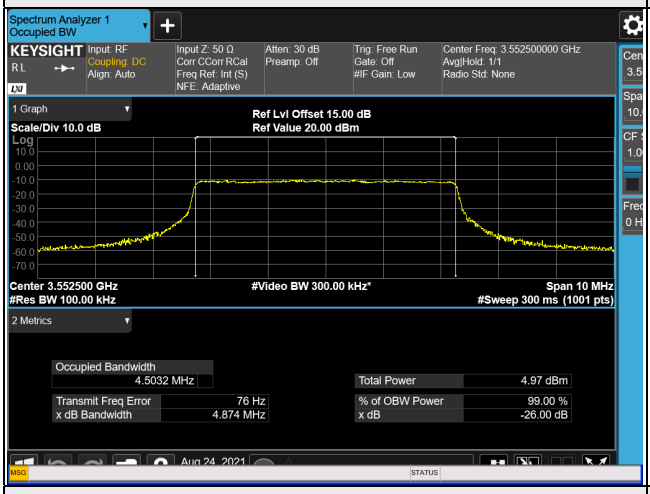


Chain 2

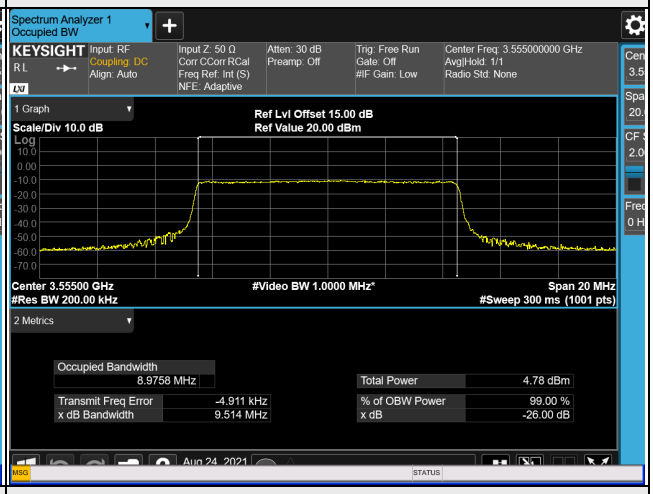
LTE Band 48, Channel Bandwidth 5MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55265	3552.5	4.50	4.49	4.50
55990	3625.0	4.50	4.49	4.49
56715	3697.5	4.50	4.49	4.50
LTE Band 48, Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55290	3555.0	8.96	8.98	8.97
55990	3625.0	8.90	8.95	8.97
56690	3695.0	8.96	8.97	8.97
LTE Band 48, Channel Bandwidth 15MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55315	3557.5	13.46	13.44	13.44
55990	3625.0	13.46	13.46	13.45
56665	3692.5	13.46	13.45	13.45
LTE Band 48, Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55340	3560.0	17.92	17.93	17.94
55990	3625.0	17.92	17.90	17.94
56640	3690.0	17.94	17.92	17.94

Spectrum Plot of Worst Value

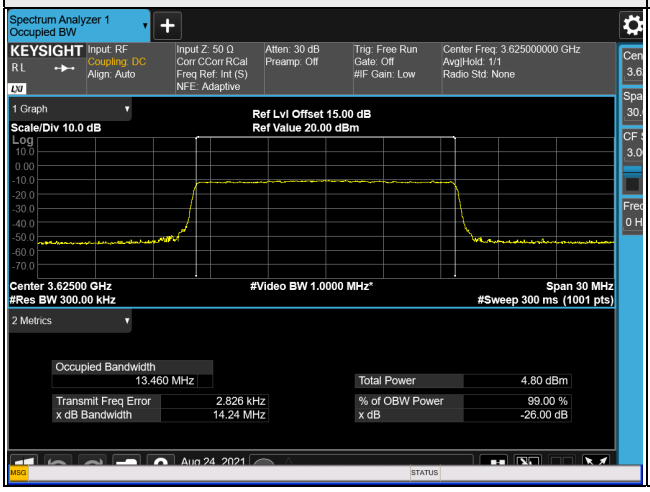
5MHz / 64QAM



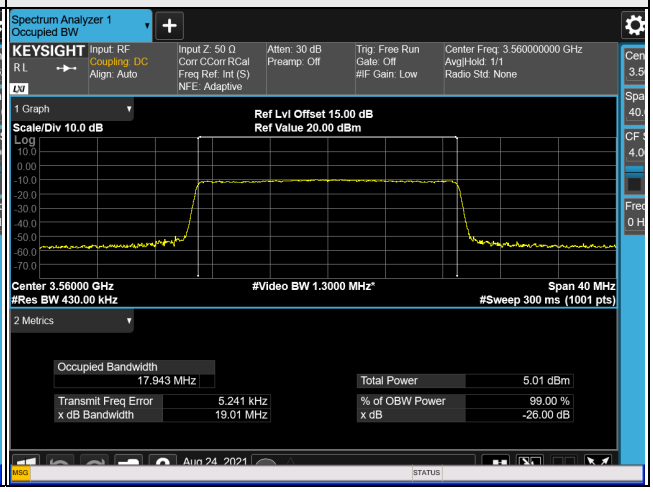
10MHz / 16QAM



15MHz / 64QAM



20MHz / 64QAM

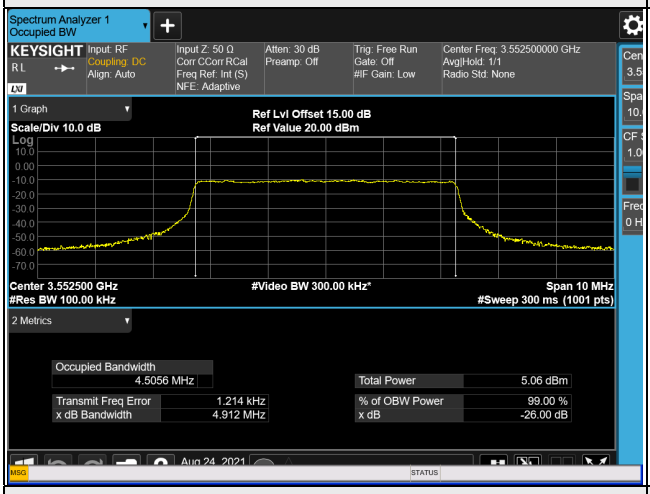


Chain 3

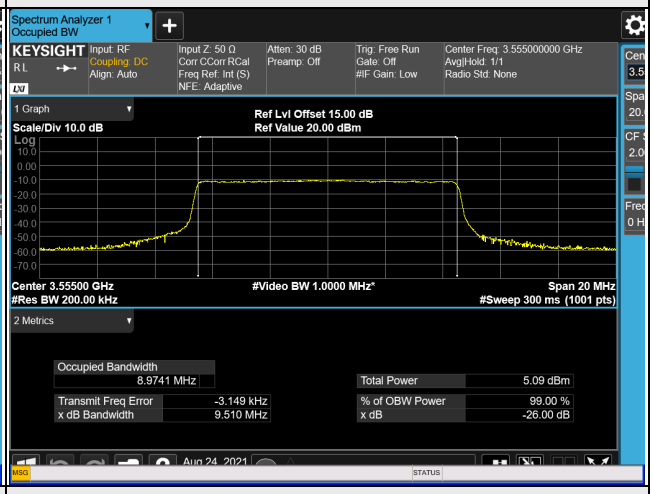
LTE Band 48, Channel Bandwidth 5MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55265	3552.5	4.49	4.50	4.51
55990	3625.0	4.49	4.49	4.50
56715	3697.5	4.49	4.49	4.50
LTE Band 48, Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55290	3555.0	8.96	8.97	8.97
55990	3625.0	8.95	8.96	8.96
56690	3695.0	8.96	8.97	8.97
LTE Band 48, Channel Bandwidth 15MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55315	3557.5	13.46	13.44	13.44
55990	3625.0	13.49	13.45	13.46
56665	3692.5	13.46	13.43	13.44
LTE Band 48, Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55340	3560.0	17.94	17.93	17.94
55990	3625.0	17.93	17.93	17.93
56640	3690.0	17.93	17.92	17.94

Spectrum Plot of Worst Value

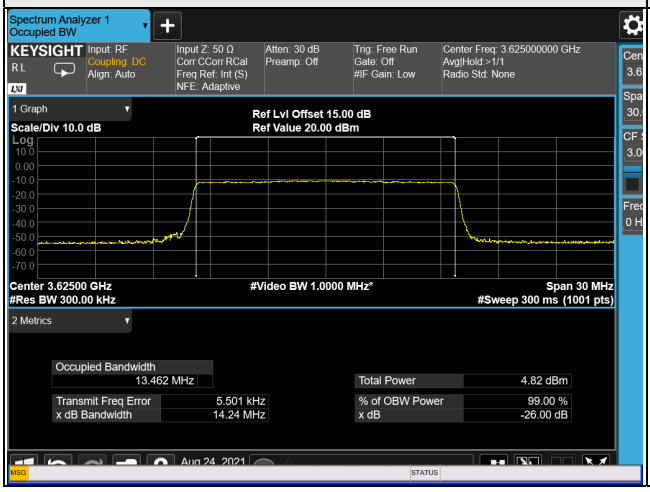
5MHz / 64QAM



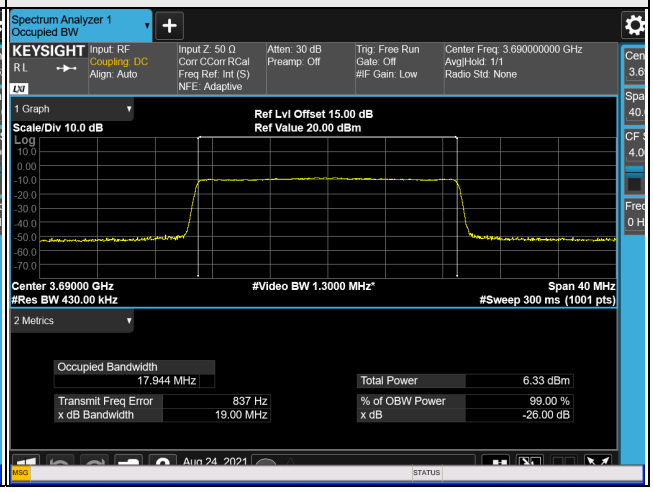
10MHz / 16QAM



15MHz / QPSK



20MHz / 64QAM

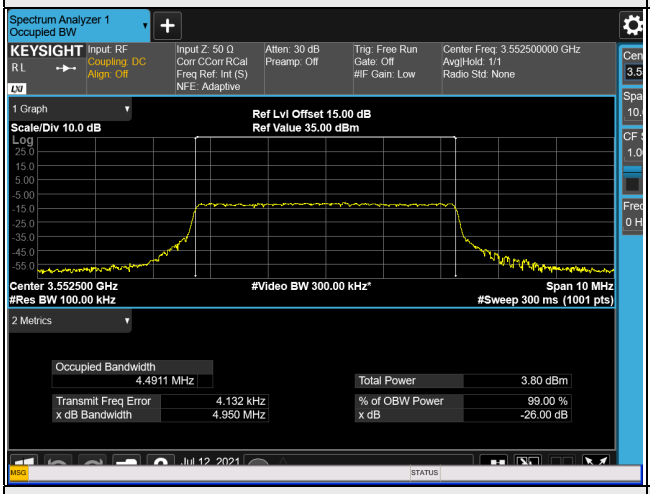


26dB Bandwidth
Chain 0

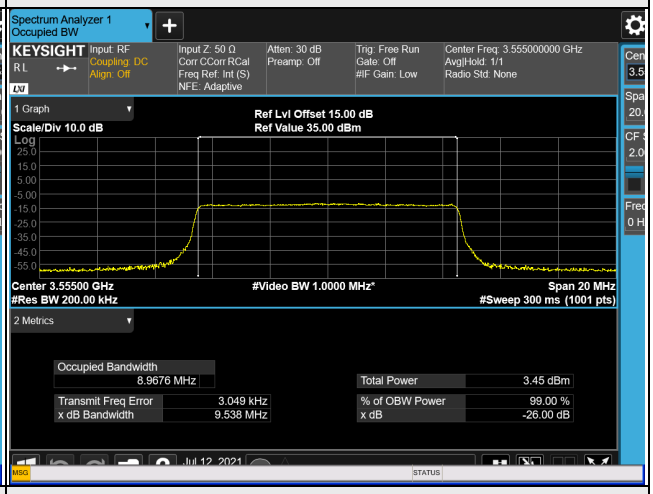
LTE Band 48, Channel Bandwidth 5MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55265	3552.5	4.95	4.87	4.90
55990	3625.0	4.90	4.85	4.87
56715	3697.5	4.92	4.87	4.87
LTE Band 48, Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55290	3555.0	9.51	9.51	9.54
55990	3625.0	9.49	9.51	9.52
56690	3695.0	9.51	9.51	9.51
LTE Band 48, Channel Bandwidth 15MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55315	3557.5	14.24	14.24	14.22
55990	3625.0	14.24	14.25	14.24
56665	3692.5	14.24	14.24	14.22
LTE Band 48, Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55340	3560.0	19.00	18.99	18.99
55990	3625.0	18.99	18.98	19.00
56640	3690.0	19.00	19.00	19.01

Spectrum Plot of Worst Value

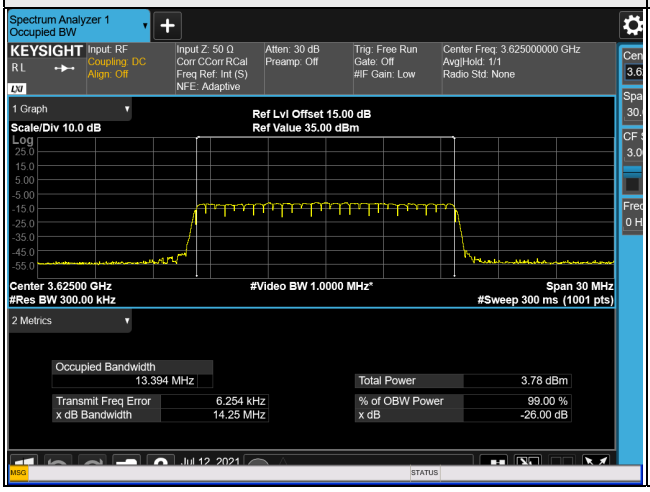
5MHz / QPSK



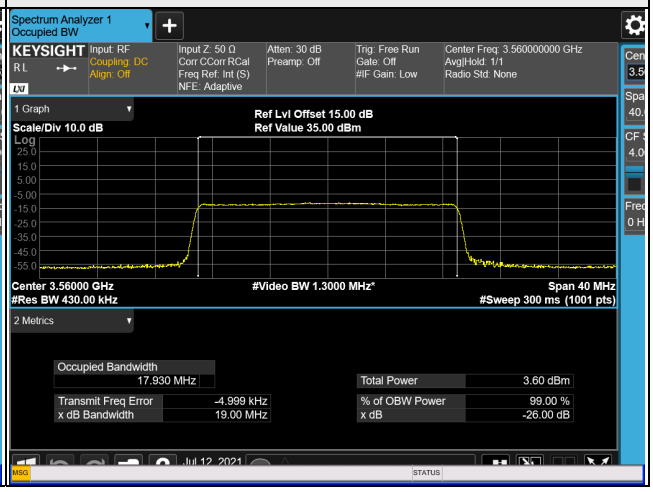
10MHz / 64QAM



15MHz / 16QAM



20MHz / QPSK

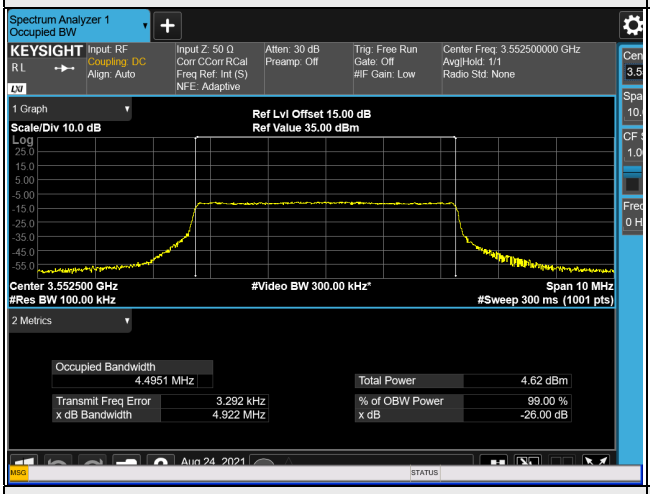


Chain 1

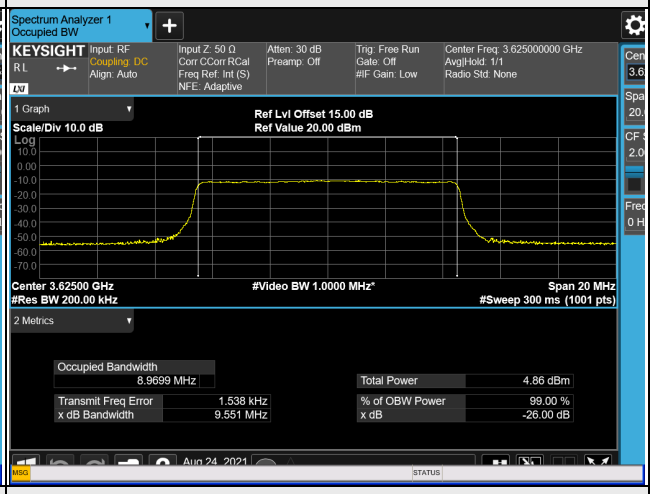
LTE Band 48, Channel Bandwidth 5MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55265	3552.5	4.92	4.86	4.89
55990	3625.0	4.91	4.85	4.87
56715	3697.5	4.91	4.88	4.86
LTE Band 48, Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55290	3555.0	9.49	9.51	9.55
55990	3625.0	9.49	9.51	9.55
56690	3695.0	9.50	9.51	9.52
LTE Band 48, Channel Bandwidth 15MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55315	3557.5	14.24	14.24	14.24
55990	3625.0	14.23	14.25	14.26
56665	3692.5	14.24	14.22	14.24
LTE Band 48, Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55340	3560.0	19.01	18.99	19.03
55990	3625.0	18.98	19.01	19.00
56640	3690.0	19.00	18.99	19.01

Spectrum Plot of Worst Value

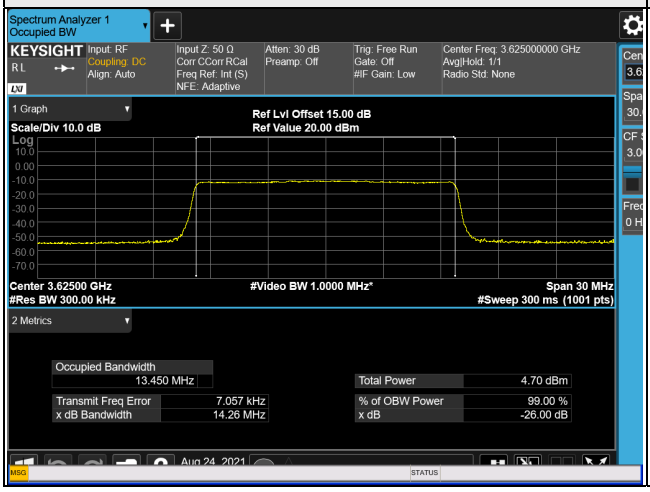
5MHz / QPSK



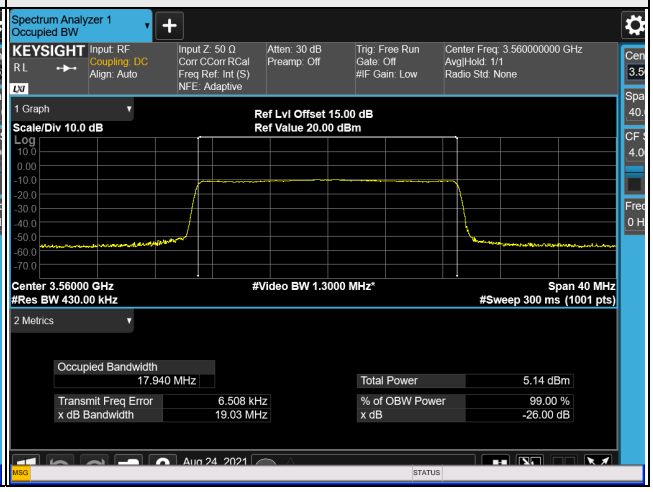
10MHz / 64QAM



15MHz / 64QAM



20MHz / 64QAM

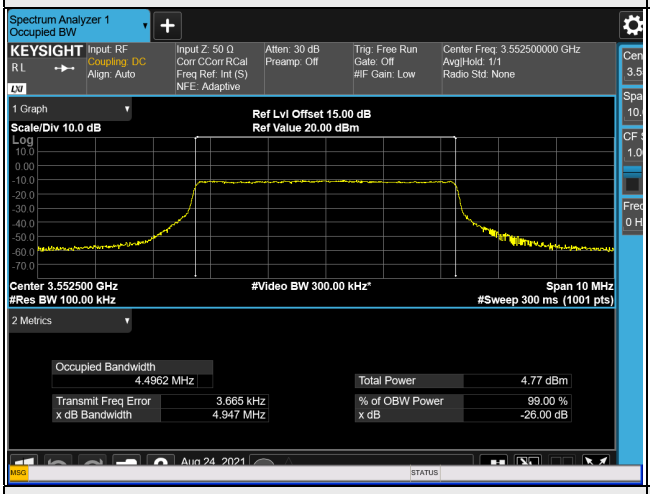


Chain 2

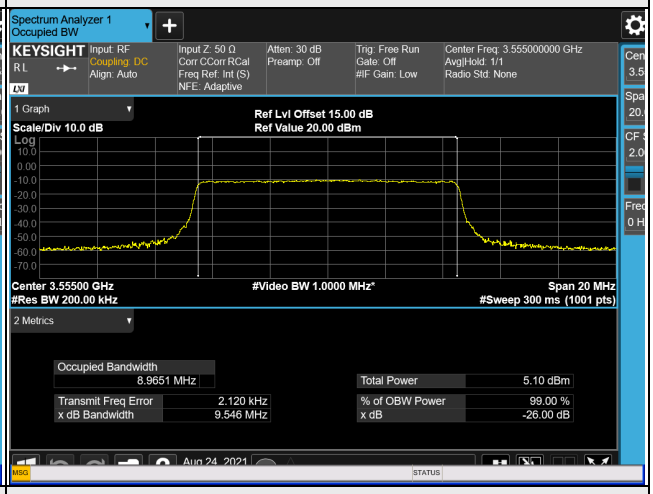
LTE Band 48, Channel Bandwidth 5MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55265	3552.5	4.95	4.84	4.87
55990	3625.0	4.92	4.88	4.90
56715	3697.5	4.89	4.87	4.85
LTE Band 48, Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55290	3555.0	9.49	9.51	9.55
55990	3625.0	9.50	9.51	9.54
56690	3695.0	9.49	9.52	9.52
LTE Band 48, Channel Bandwidth 15MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55315	3557.5	14.25	14.24	14.24
55990	3625.0	14.24	14.23	14.24
56665	3692.5	14.24	14.21	14.24
LTE Band 48, Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55340	3560.0	19.00	19.00	19.01
55990	3625.0	19.00	18.99	18.98
56640	3690.0	19.00	19.00	19.02

Spectrum Plot of Worst Value

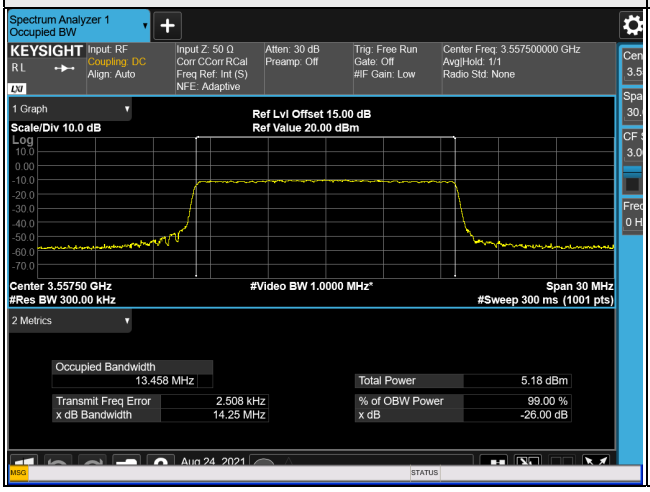
5MHz / QPSK



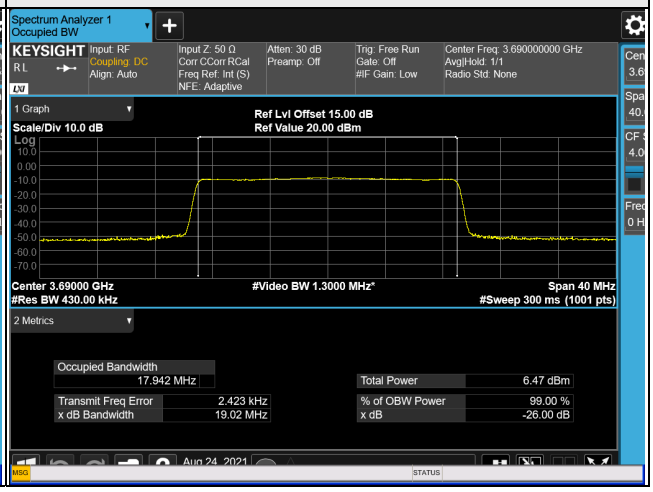
10MHz / 64QAM



15MHz / QPSK



20MHz / 64QAM

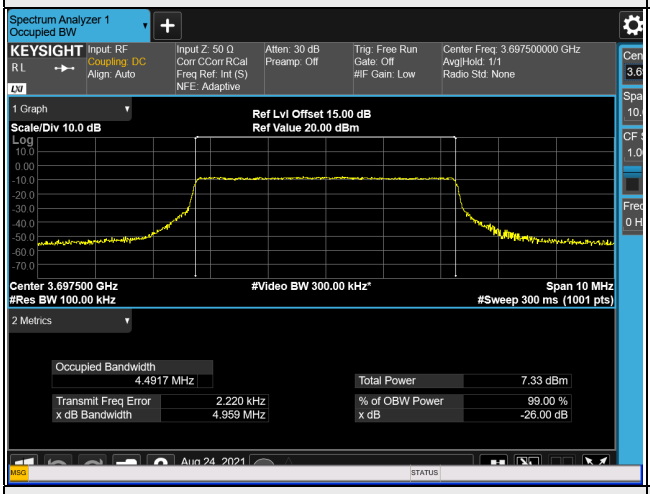


Chain 3

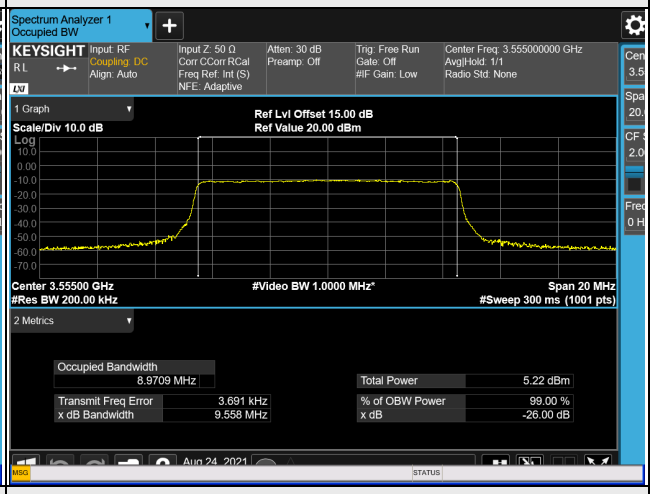
LTE Band 48, Channel Bandwidth 5MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55265	3552.5	4.93	4.87	4.91
55990	3625.0	4.89	4.86	4.87
56715	3697.5	4.96	4.89	4.87
LTE Band 48, Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55290	3555.0	9.51	9.51	9.56
55990	3625.0	9.48	9.49	9.52
56690	3695.0	9.50	9.50	9.53
LTE Band 48, Channel Bandwidth 15MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55315	3557.5	14.25	14.24	14.25
55990	3625.0	14.17	14.21	14.22
56665	3692.5	14.25	14.23	14.23
LTE Band 48, Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM
55340	3560.0	19.01	19.00	19.00
55990	3625.0	19.00	19.01	18.98
56640	3690.0	18.99	19.00	19.00

Spectrum Plot of Worst Value

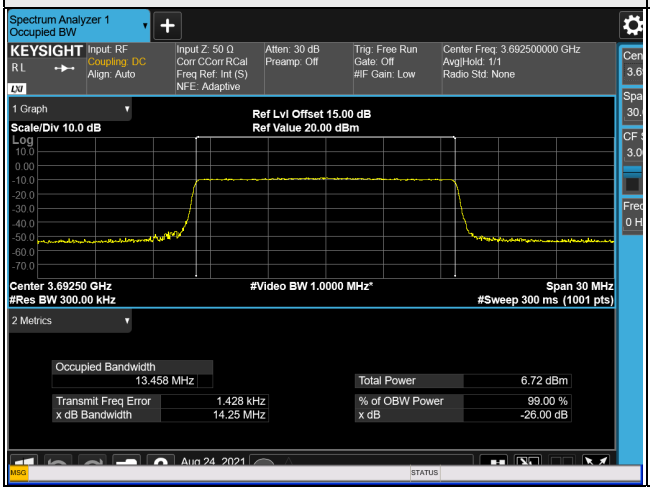
5MHz / QPSK



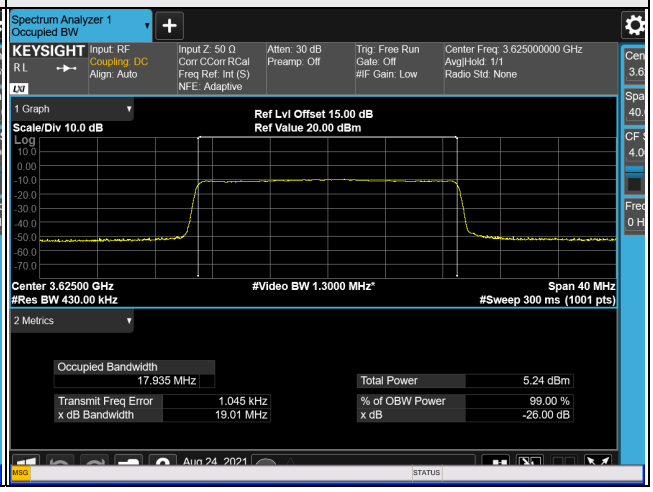
10MHz / 64QAM



15MHz / QPSK



20MHz / 16QAM

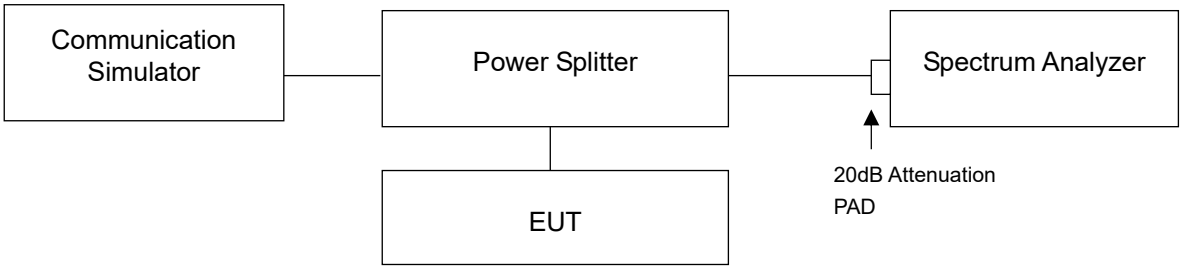


4.5 Peak to Average Ratio Measurement

4.5.1 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

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.4.3 to get information of above instrument.

4.5.4 Test Procedures

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

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

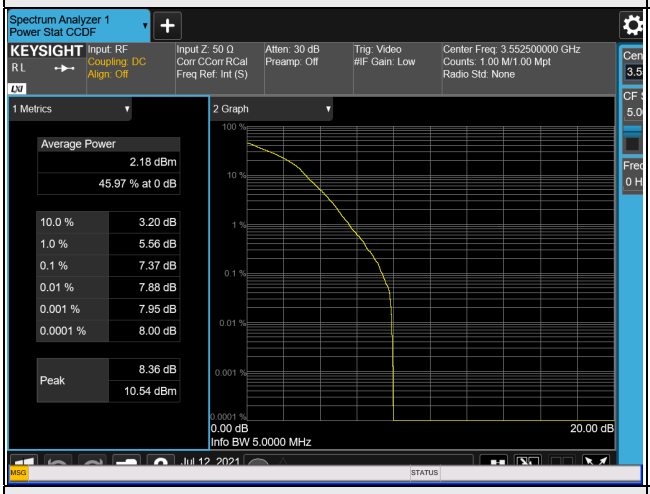
4.5.7 Test Results

Chain 0

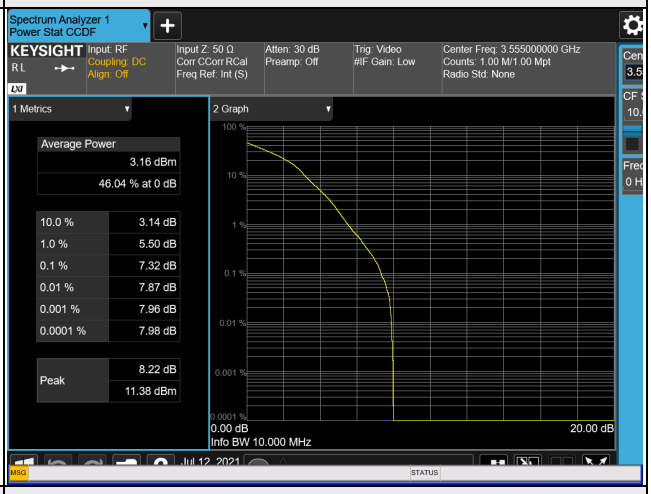
LTE Band 48, Channel Bandwidth 5MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55265	3552.5	6.12	7.37	6.87
55990	3625.0	5.93	7.21	6.86
56715	3697.5	5.85	7.29	6.89
LTE Band 48, Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55290	3555.0	5.95	7.32	6.75
55990	3625.0	5.87	7.21	6.81
56690	3695.0	6.12	7.12	6.99
LTE Band 48, Channel Bandwidth 15MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55315	3557.5	5.94	7.45	6.74
55990	3625.0	5.43	7.33	6.91
56665	3692.5	6.21	6.95	6.74
LTE Band 48, Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55340	3560.0	6.15	7.61	6.47
55990	3625.0	6.09	7.32	7.52
56640	3690.0	6.05	7.23	6.78

Spectrum Plot of Worst Value

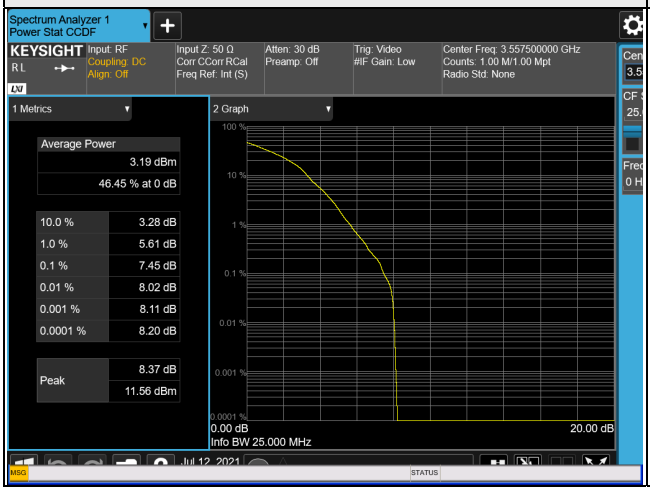
5MHz / 16QAM



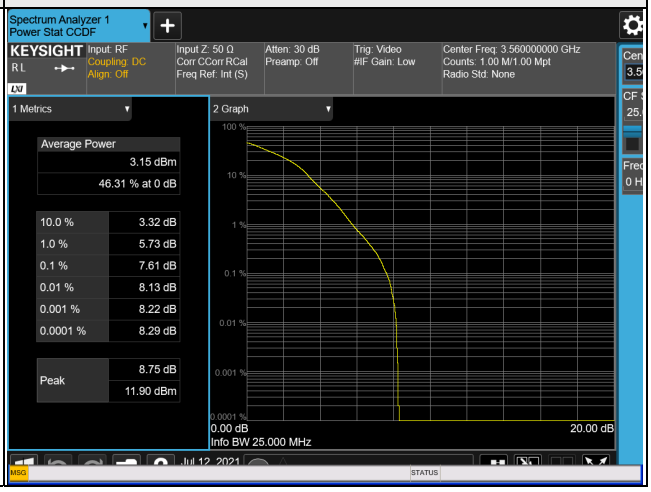
10MHz / 16QAM



15MHz / 16QAM



20MHz / 16QAM

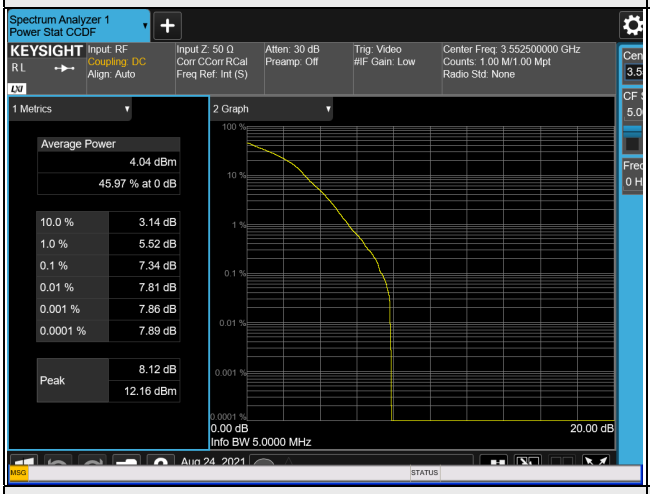


Chain 1

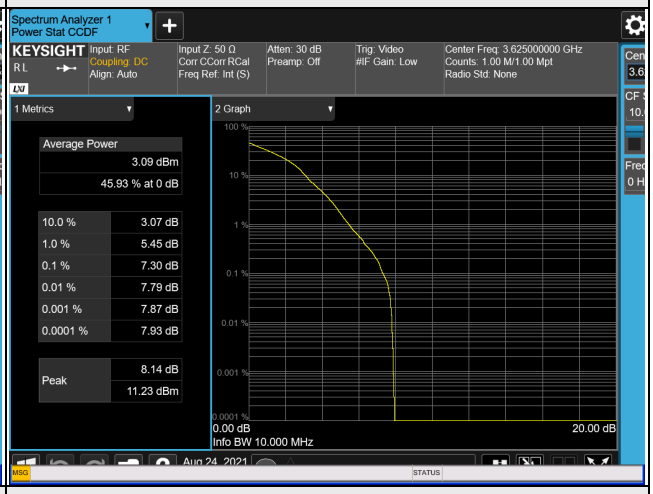
LTE Band 48, Channel Bandwidth 5MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55265	3552.5	5.88	7.34	6.88
55990	3625.0	6.14	7.10	6.80
56715	3697.5	6.17	7.17	6.76
LTE Band 48, Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55290	3555.0	5.92	7.16	6.89
55990	3625.0	5.92	7.30	7.08
56690	3695.0	5.82	7.24	6.85
LTE Band 48, Channel Bandwidth 15MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55315	3557.5	6.11	6.85	7.04
55990	3625.0	5.64	6.87	6.71
56665	3692.5	6.03	7.13	6.91
LTE Band 48, Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55340	3560.0	5.76	6.96	6.69
55990	3625.0	6.09	7.79	6.91
56640	3690.0	5.73	7.28	6.64

Spectrum Plot of Worst Value

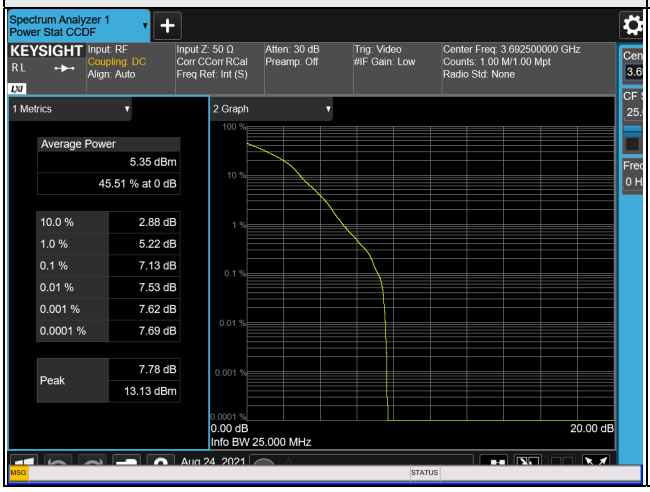
5MHz / 16QAM



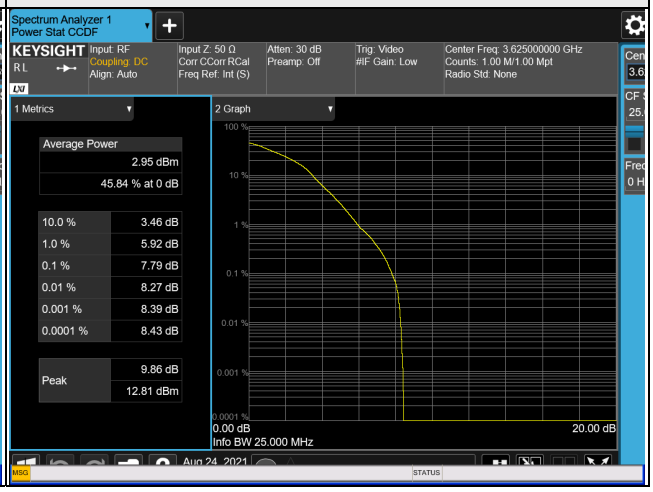
10MHz / 16QAM



15MHz / 16QAM



20MHz / 16QAM

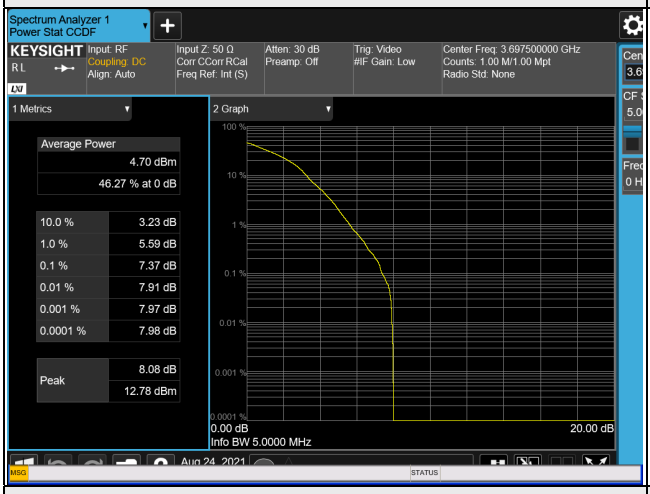


Chain 2

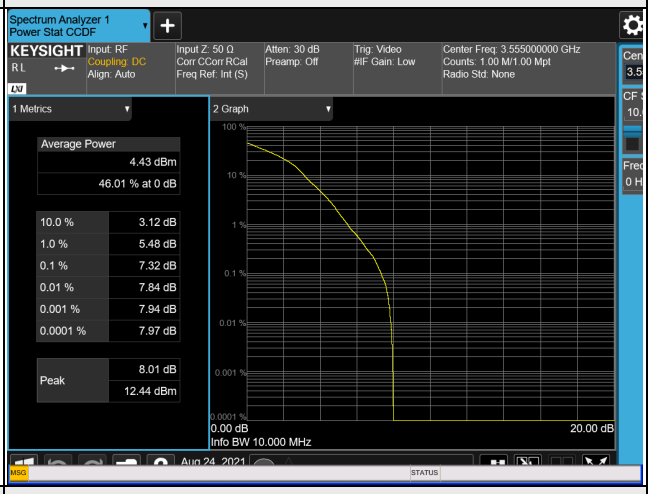
LTE Band 48, Channel Bandwidth 5MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55265	3552.5	5.83	7.20	6.85
55990	3625.0	5.97	7.27	6.83
56715	3697.5	6.02	7.37	6.82
LTE Band 48, Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55290	3555.0	5.91	7.32	6.99
55990	3625.0	5.95	7.29	6.82
56690	3695.0	5.92	7.22	6.83
LTE Band 48, Channel Bandwidth 15MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55315	3557.5	6.26	7.31	6.75
55990	3625.0	5.81	7.41	6.93
56665	3692.5	6.15	6.98	6.69
LTE Band 48, Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55340	3560.0	5.70	6.90	6.61
55990	3625.0	5.75	7.14	6.84
56640	3690.0	5.60	7.27	6.97

Spectrum Plot of Worst Value

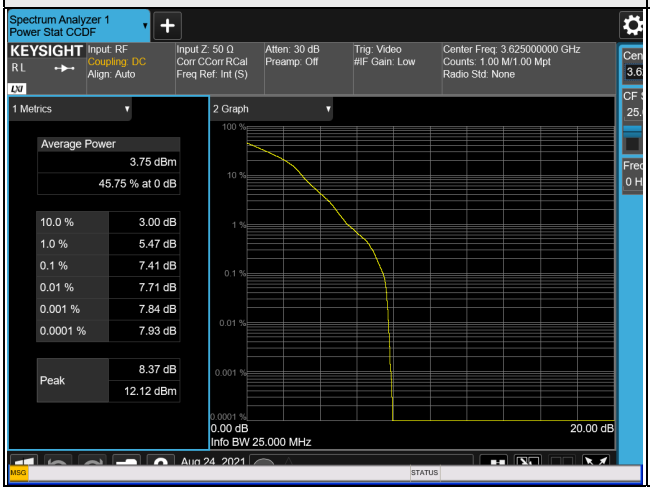
5MHz / 16QAM



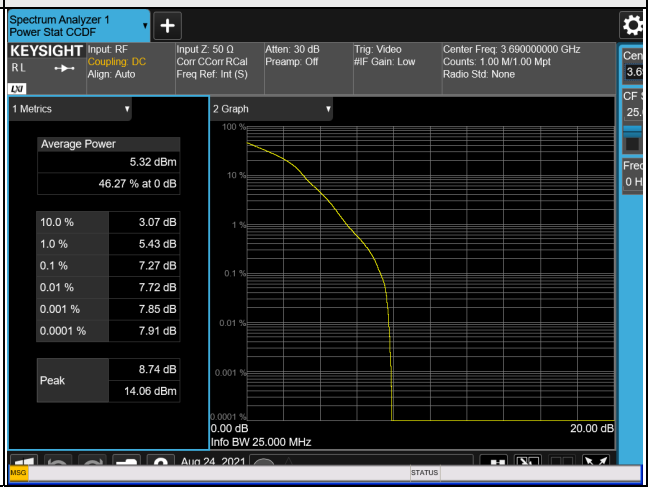
10MHz / 16QAM



15MHz / 16QAM



20MHz / 16QAM

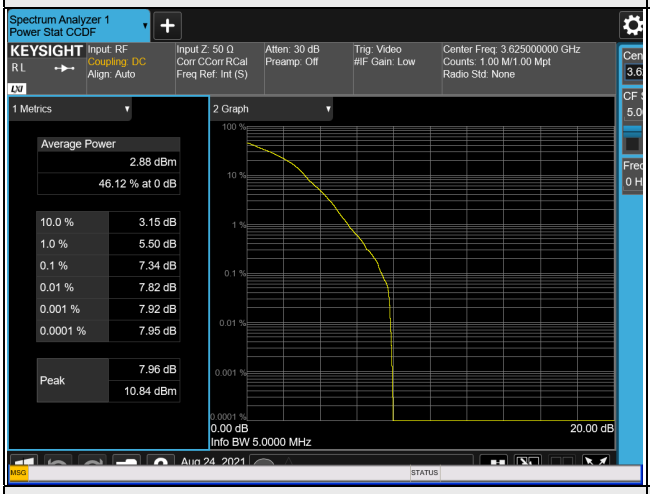


Chain 3

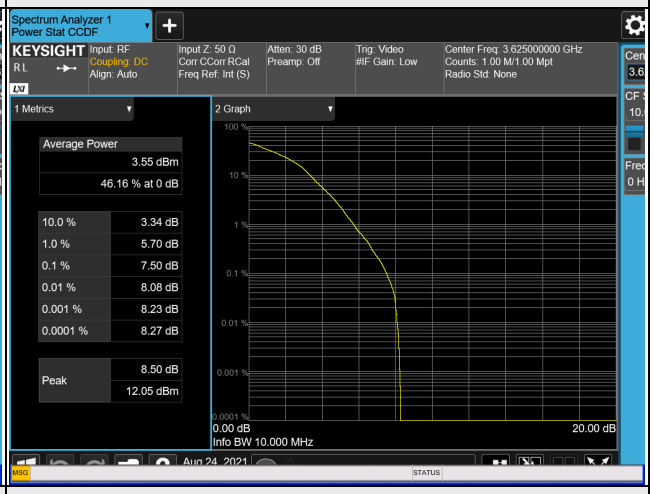
LTE Band 48, Channel Bandwidth 5MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55265	3552.5	6.10	7.23	6.79
55990	3625.0	6.15	7.34	6.86
56715	3697.5	6.02	7.27	6.92
LTE Band 48, Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55290	3555.0	5.67	7.26	6.95
55990	3625.0	5.93	7.50	6.98
56690	3695.0	5.79	7.05	6.89
LTE Band 48, Channel Bandwidth 15MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55315	3557.5	5.84	6.77	6.77
55990	3625.0	6.10	7.31	6.82
56665	3692.5	5.73	7.19	6.50
LTE Band 48, Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM
55340	3560.0	5.82	7.02	6.62
55990	3625.0	6.30	6.83	6.62
56640	3690.0	5.76	6.97	6.82

Spectrum Plot of Worst Value

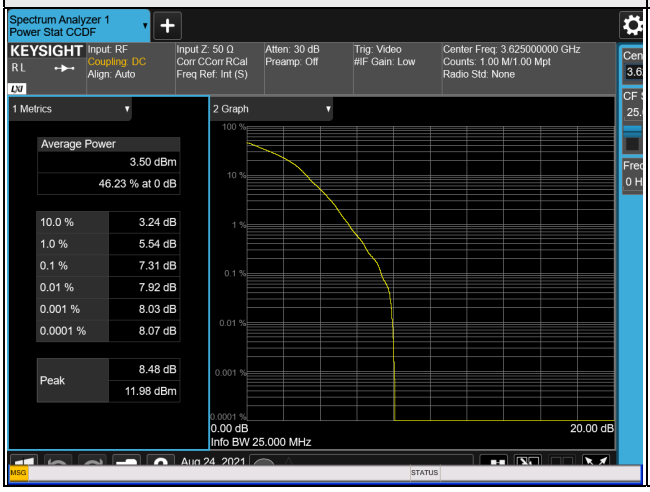
5MHz / 16QAM



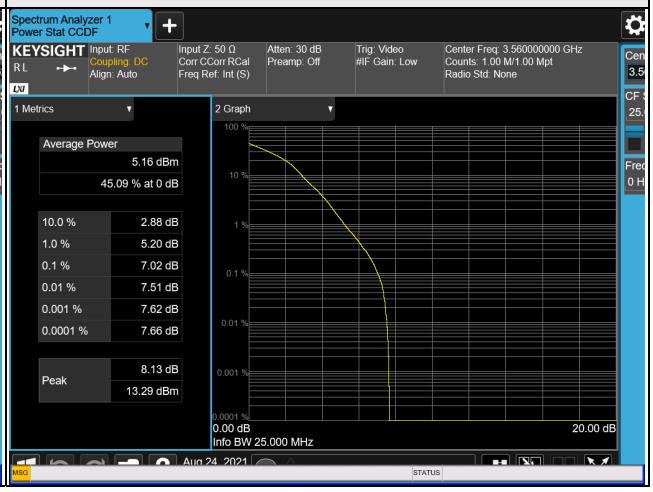
10MHz / 16QAM



15MHz / 16QAM



20MHz / 16QAM

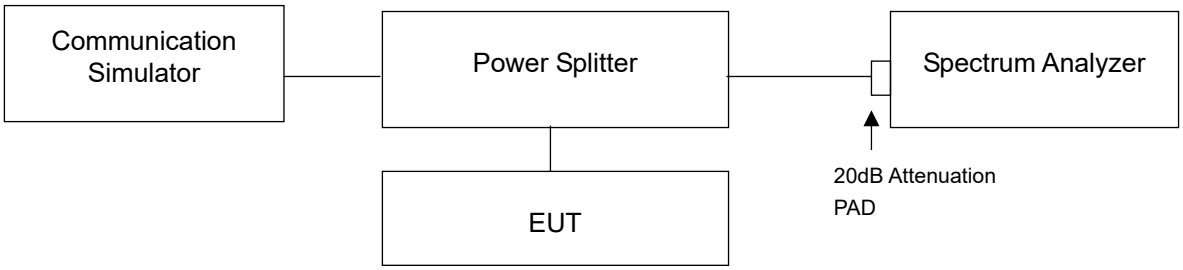


4.6 Conducted Spurious Emissions

4.6.1 Limits of Conducted Spurious Emissions Measurement

Power of any emissions outside the Fundamental	Limit
Within 0-10MHz above the Assigned Channel	-13 dBm/MHz
Within 0-10MHz below the Assigned Channel	
Greater than 10MHz above the Assigned Channel	-25 dBm/MHz
Greater than 10MHz below the Assigned Channel	
Power of any emission below 3530MHz	-40 dBm/MHz
Power of any emission above 3720MHz	

4.6.2 Test Setup



4.6.3 Test Instruments

Refer to section 4.4.3 to get information of above instrument.

4.6.4 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.
b. Measuring frequency range are from 9 kHz to 40GHz. 20dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.
c. Measuring frequency band edge, 20dB attenuation pad is connected with spectrum. 1% of the fundamental emission bandwidth is used for conducted emission measurement.

4.6.5 Deviation fromTest Standard

No deviation.

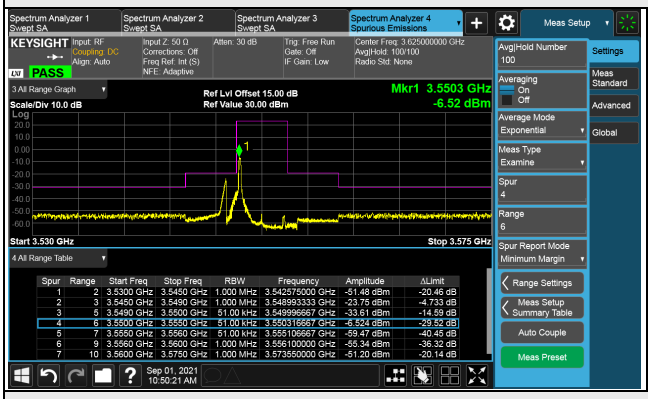
4.6.6 EUT Operating Conditions

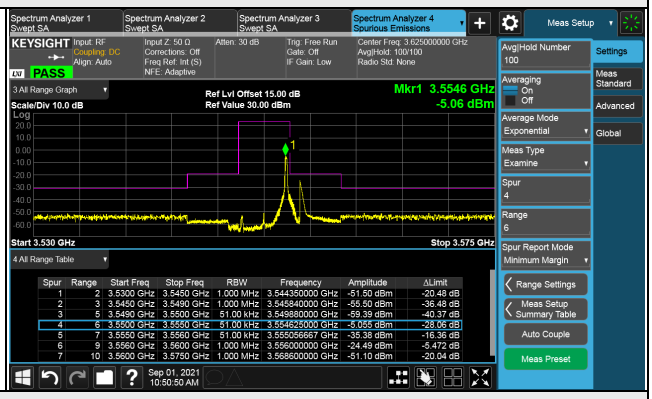
The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.6.7 Test Results

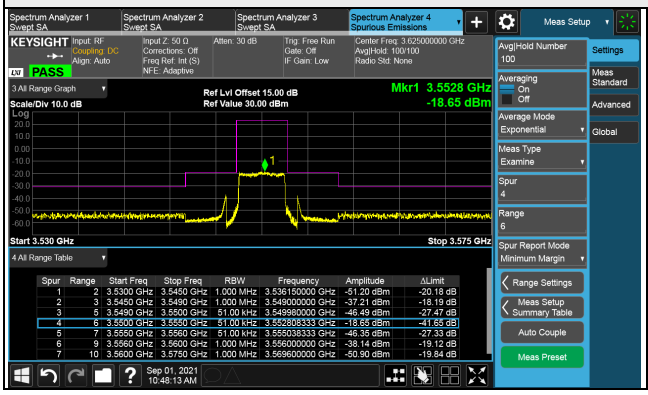
Chain 0

LTE Band 48, Channel Bandwidth 5MHz
Channel 55265 (3552.5MHz)
1RB



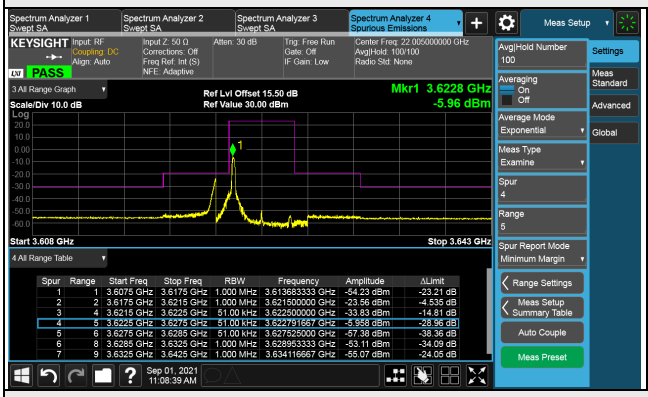


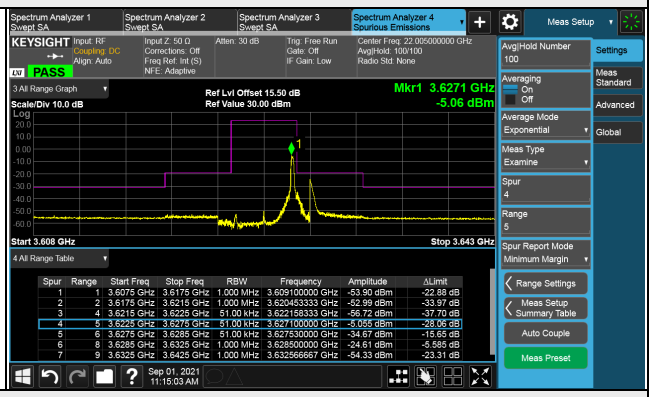
Full RB



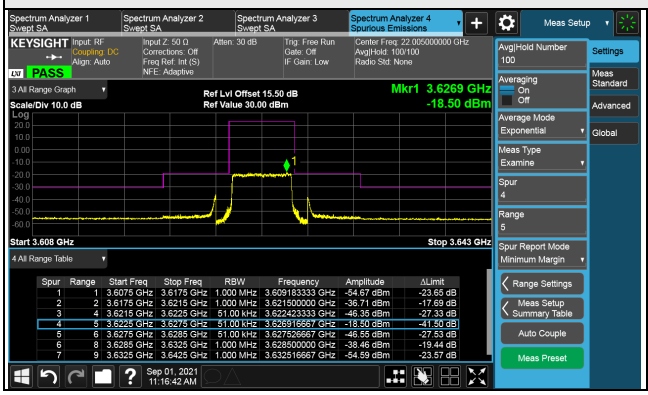
Channel 55990 (3625.0MHz)

1RB



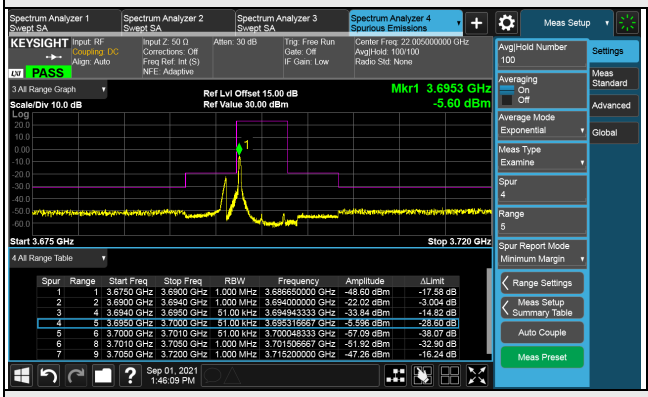


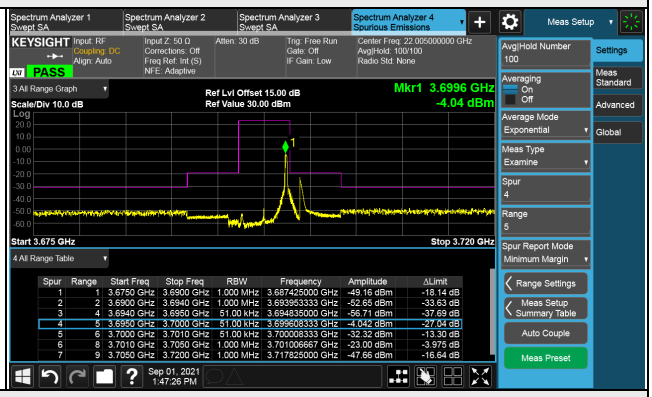
Full RB



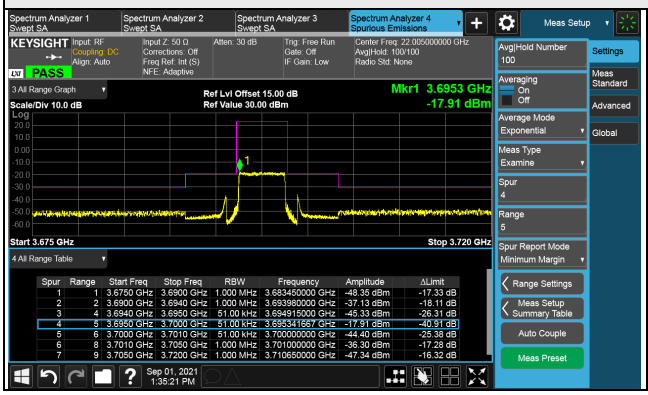
Channel 56715 (3697.5MHz)

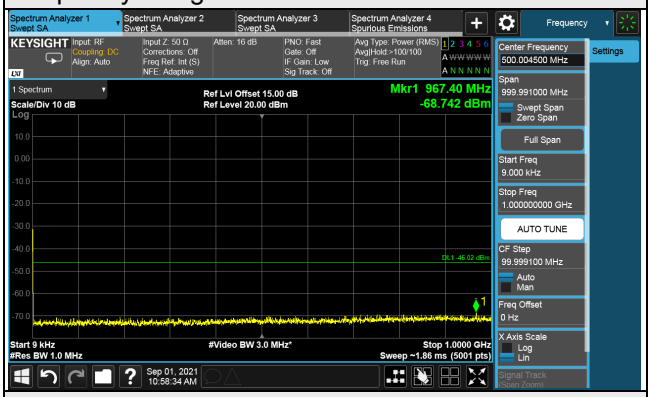
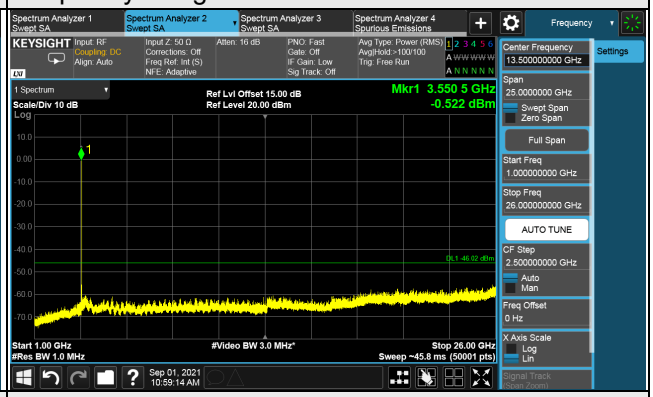
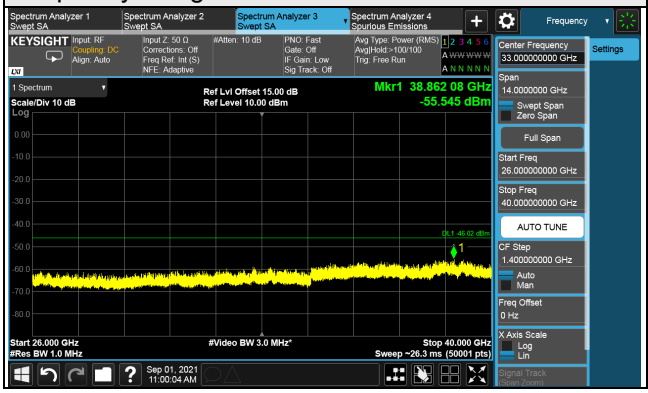
1RB



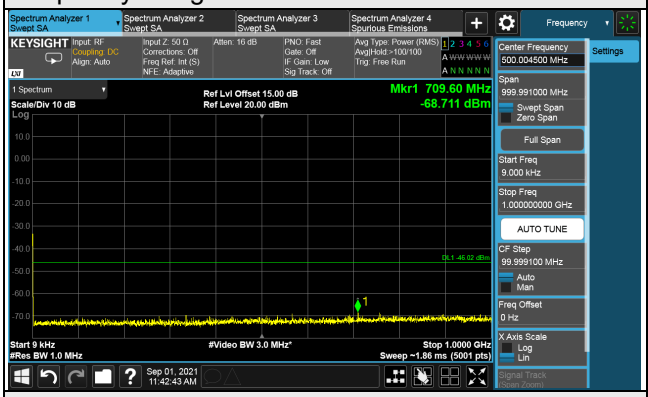
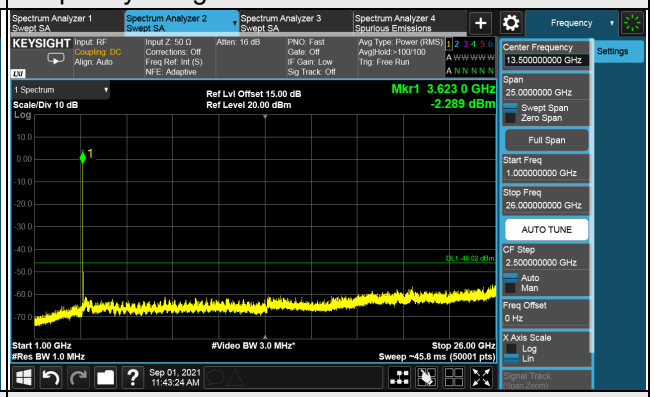
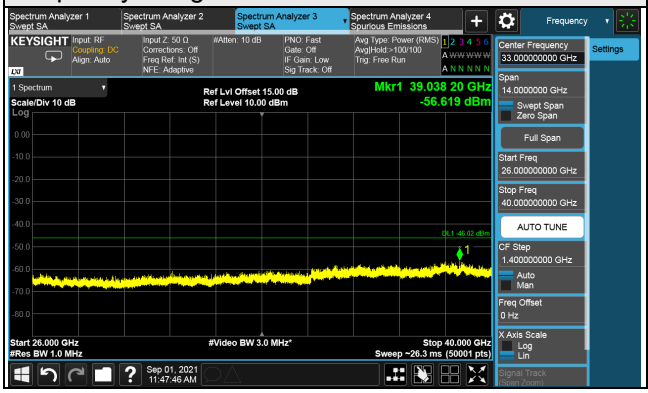


Full RB

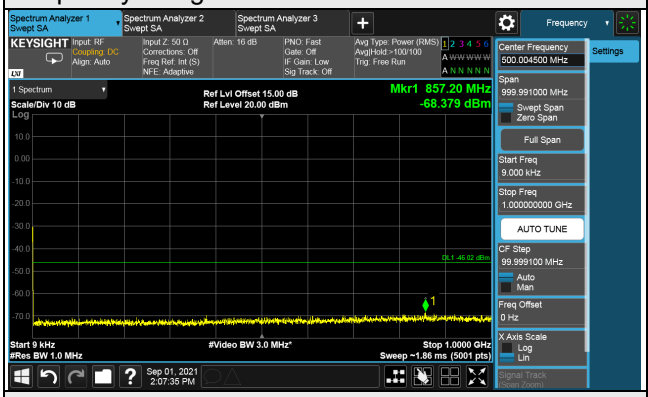
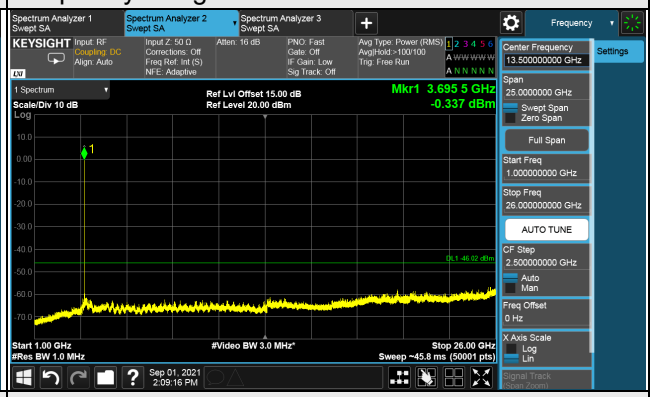
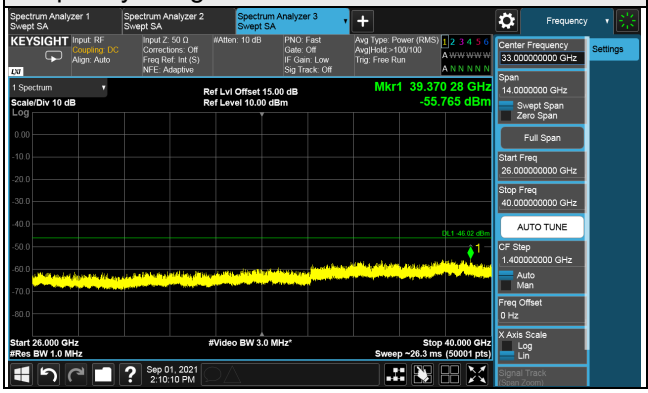


LTE Band 48, Channel Bandwidth 5MHz	
Channel 55265 (3552.5MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 26GHz
	
Frequency Range : 26GHz ~ 40GHz	
	

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

LTE Band 48, Channel Bandwidth 5MHz	
Channel 55990 (3625.0MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 26GHz
	
Frequency Range : 26GHz ~ 40GHz	
	

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

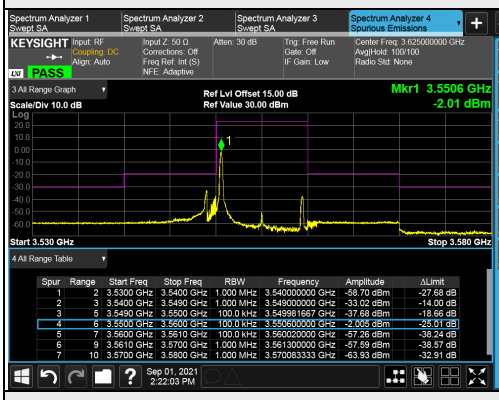
LTE Band 48, Channel Bandwidth 5MHz	
Channel 56715 (3697.50MHz)	
Frequency Range : 9kHz ~ 1GHz	Frequency Range : 1GHz ~ 26GHz
	
Frequency Range : 26GHz ~ 40GHz	
	

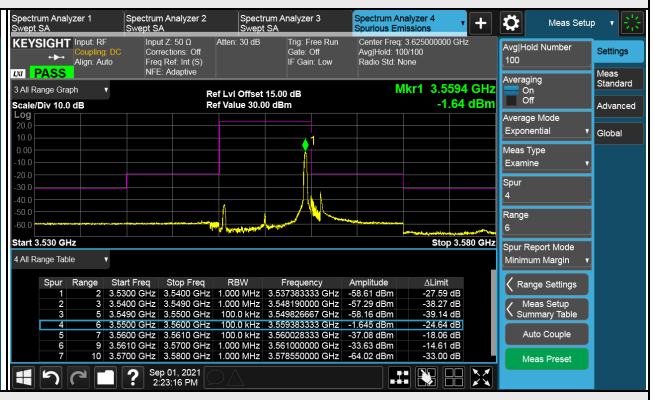
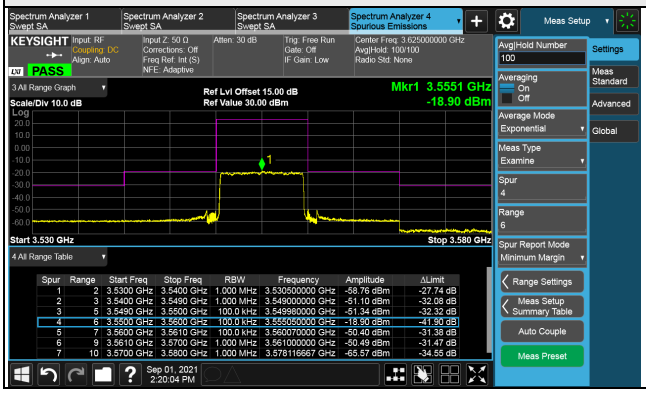
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

LTE Band 48, Channel Bandwidth 10MHz

Channel 55290 (3555.0MHz)

1RB





Full RB