



FCC Radio Test Report

FCC ID: 2AIBC-GOLIGHT3

This report concerns: Original Grant

Project No. : 2410C020
Equipment : Light Phone III
Brand Name : Light
Test Model : TLP301
Series Model : N/A
Applicant : The Light Phone Inc.
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Manufacturer : The Light Phone Inc.
Address : 19 Morris Avenue Brooklyn, NY 11205 United States
Factory : SHENZHEN FUTAIHONG PRECISION INDUSTRY CO.,LTD.
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Date of Receipt : Oct. 09, 2024
Date of Test : Oct. 11, 2024 ~ Feb. 19, 2025
Issued Date : Mar. 03, 2025
Report Version : R01
Test Sample : Engineering Sample No.: SSL20241009197 for radiated, SSL20250102152, SSL20241009196, SSL20241009195 for conducted.

Standard(s) : 47 CFR Part 96
47 CFR Part 2

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

The report must not be used by the client to claim product certification, approval, or endorsement by A2LA or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-13-2410C020	R00	Original Report.	Feb. 20, 2025	Invalid
BTL-FCCP-13-2410C020	R01	Update the address of applicant.	Mar. 03, 2025	Valid

1. APPLICABLE STANDARDS

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

ANSI C63.26-2015

The following reference test guidance is not within the scope of accreditation of A2LA:

FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

FCC KDB 940660 D01 Part 96 CBRS Eqpt v03

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part 96 & Part 2			
Standard(s) Section	Test Item	Judgment	Remark
96.41(b)	Equivalent Isotropic Radiated	PASS	-----
2.1046	Conducted Output Power	PASS	-----
2.1049	Occupied Bandwidth	PASS	-----
2.1051& 96.41(e)	Conducted Spurious Emissions	PASS	-----
2.1053 & 96.41(e)	Radiated Spurious Emissions	PASS	-----
2.1051 & 96.41(e)	Band Edge Measurements&ACLR	PASS	-----
2.1055	Frequency Stability for Temperature & Voltage	PASS	-----
96.41(g)	Peak To Average Ratio	PASS	-----

Note:

(1) "N/A" denotes test is not applicable to this device.

2.1 TEST FACILITY

For Radiated test:

The test facilities used to collect the test data in this report is at the location of 1-2/F, 4/F, Building A, 1-2/F, Building B, 3/F, Building C, No.3, Jinshagang 1st Road, Dalang Town, Dongguan City, Guangdong People's Republic of China.

For others:

Room 108-116, 309-310, Building 2, No.1, Yile Road, Songshan Lake Zone, Dongguan City, Guangdong, People's Republic of China.

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$))

The BTL measurement uncertainty as below table:

A. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	U ,(dB)
DG-CB01	CISPR	9kHz ~ 30MHz	2.36

Test Site	Method	Measurement Frequency Range	Ant. H / V	U ,(dB)
DG-CB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.40
		30MHz ~ 200MHz	H	3.62
		200MHz ~ 1,000MHz	V	4.58
		200MHz ~ 1,000MHz	H	3.98

Test Site	Method	Measurement Frequency Range	U ,(dB)
DG-CB03 (3m)	CISPR	1GHz ~ 6GHz	4.08
		6GHz ~ 18GHz	4.62

Test Site	Method	Measurement Frequency Range	U ,(dB)
DG-CB03 (1m)	CISPR	18 ~ 26.5 GHz	3.36
		26.5 ~ 40 GHz	3.58

B. Other Measurement:

Parameter	Uncertainty
Spectrum Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Power Spectral Density	±0.86 dB
Frequency Stability	±0.16 dB
Temperature	±0.08 °C
Time	±0.58 %
Supply voltages	±0.3 %

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By	Test Date
Output Power & EIRP	25°C	37%	DC 3.8V	Gavin Ge	Oct. 11, 2024 ~ Feb. 19, 2025
Occupied Bandwidth	25°C	37%	DC 3.8V	Gavin Ge	Oct. 11, 2024 ~ Feb. 19, 2025
Conducted Spurious Emissions	25°C	37%	DC 3.8V	Gavin Ge	Oct. 11, 2024 ~ Feb. 19, 2025
Radiated Spurious Emissions (9 kHz to 30 MHz)	26°C	47%	DC 3.8V	Vance Lv	Dec. 12, 2024
Radiated Spurious Emissions (30 MHz to 1000 MHz)	23°C	42%	DC 3.8V	Allen Tong	Dec. 15, 2024 Dec. 21, 2024
Radiated Spurious Emissions (Above 1000 MHz)	23°C	42%	DC 3.8V	Jensen Zhou Drew Tan Calvin Wen	Dec. 15, 2024 Jan. 21, 2025 Jan. 22, 2025
Band Edge	25°C	37%	DC 3.8V	Gavin Ge	Oct. 11, 2024 ~ Feb. 19, 2025
Peak to Average Ratio	25°C	37%	DC 3.8V	Gavin Ge	Oct. 11, 2024 ~ Feb. 19, 2025
Frequency Stability	Normal and Extreme	37%	Normal and Extreme	Gavin Ge	Oct. 11, 2024 ~ Feb. 19, 2025

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Light Phone III					
Brand Name	Light					
Test Model	TLP301					
Series Model	N/A					
Model Difference(s)	N/A					
Software Version	V1.330.00.0_B01_00WW					
Hardware Version	DVT					
Power Source	1# Supplied from USB-C port. 2# Battery supplied. Model: HE414					
Power Rating	1# DC 5V/900mA 2# Rated Capacity: 1730mAh/6.67Wh 1800mAh/6.93Wh Rated Voltage: 3.85V					
IMEI No.	Radiated	359125420005706				
	Conducted	359125420007496/359125420003834/359125420004907				
Modulation Type	LTE	UL: QPSK,16QAM,64QAM,256QAM DL: QPSK,16QAM,64QAM,256QAM				
	5G NR	DFT-s-OFDM PI/2 BPSK				
		DFT-s-OFDM QPSK		CP-OFDM QPSK		
		DFT-s-OFDM 16QAM		CP-OFDM 16QAM		
		DFT-s-OFDM 64QAM		CP-OFDM 64QAM		
		DFT-s-OFDM 256QAM		CP-OFDM 256QAM		
Max. EIRP	LTE Band 48	Channel Bandwidth (MHz)	QPSK (dBm)	16QAM (dBm)	64QAM (dBm)	256QAM (dBm)
		5	22.78	21.90	22.31	19.82
		10	21.94	21.77	22.20	20.00
		15	20.46	20.54	21.78	19.39
		20	20.55	20.47	20.80	19.76
	5G NR n48	Please refer to note 2.				

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Max. EIRP FOR 5G NR n48:

Band	Channel Bandwidth (MHz)	Modulation Type	EIRP (dBm)
n48	20M	DFT-s-OFDM PI/2 BPSK	15.45
n48	30M	DFT-s-OFDM PI/2 BPSK	15.21
n48	40M	DFT-s-OFDM PI/2 BPSK	14.59
n48	20M	DFT-s-OFDM QPSK	15.38
n48	30M	DFT-s-OFDM QPSK	14.95
n48	40M	DFT-s-OFDM QPSK	14.29
n48	20M	DFT-s-OFDM 16QAM	15.23
n48	30M	DFT-s-OFDM 16QAM	14.14
n48	40M	DFT-s-OFDM 16QAM	14.26
n48	20M	DFT-s-OFDM 64QAM	14.67
n48	30M	DFT-s-OFDM 64QAM	14.39
n48	40M	DFT-s-OFDM 64QAM	14.79
n48	20M	DFT-s-OFDM 256QAM	15.12
n48	30M	DFT-s-OFDM 256QAM	14.49
n48	40M	DFT-s-OFDM 256QAM	15.08
n48	20M	CP-OFDM QPSK	15.11
n48	30M	CP-OFDM QPSK	14.78
n48	40M	CP-OFDM QPSK	14.64
n48	20M	CP-OFDM 16QAM	15.29
n48	30M	CP-OFDM 16QAM	14.59
n48	40M	CP-OFDM 16QAM	14.76
n48	20M	CP-OFDM 64QAM	14.16
n48	30M	CP-OFDM 64QAM	14.04
n48	40M	CP-OFDM 64QAM	13.59
n48	20M	CP-OFDM 256QAM	14.07
n48	30M	CP-OFDM 256QAM	13.95
n48	40M	CP-OFDM 256QAM	14.23

3. The Channel List:

LTE Band 48(UL/DL: 3550-3700 MHz)			
Test Frequency ID	Bandwidth (MHz)	EARFCN	Frequency (UL and DL) (MHz)
Low Range	5	55265	3552.5
	10	55290	3555.0
	15	55315	3557.5
	20	55340	3560.0
Mid Range	5/10/15/20	55990	3625.0
High Range	5	56715	3697.5
	10	56690	3695.0
	15	56665	3692.5
	20	56640	3690.0

5G NR n48(UL/DL: 3550-3700 MHz)						
Bandwidth	Low Channel	Mid Channel	High Channel	Low Frequency	Mid Frequency	High Frequency
20	637334	641666	646000	3560.01	3624.99	3690
30	637668	641666	645666	3565.02	3624.99	3684.99
40	638000	641666	645332	3570	3624.99	3679.98

4. Table for Filed Antenna:

Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
N/A	N/A	PIFA	N/A	-1.37	5G NR n48
				-1.37	LTE Band 48

Note: The antenna gain is provided by the manufacturer.

3.2 DESCRIPTION OF TEST MODES AND TEST CONDITION

Following mode(s) was (were) found to be the worst case(s) and selected for the final test:

LTE BAND 48 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Output Power & EIRP	55265 to 56715	55265, 55990, 56715	5MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/12RB/25RB
	55290 to 56690	55290, 55990, 56690	10MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/25RB/50RB
	55315 to 56665	55315, 55990, 56665	15MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/36RB/75RB
	55340 to 56640	55340, 55990, 56640	20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/50RB/100RB
Occupied Bandwidth	55265 to 56715	55265, 55990, 56715	5MHz	QPSK, 16QAM, 64QAM, 256QAM	25RB
	55290 to 56690	55290, 55990, 56690	10MHz	QPSK, 16QAM, 64QAM, 256QAM	50RB
	55315 to 56665	55315, 55990, 56665	15MHz	QPSK, 16QAM, 64QAM, 256QAM	75RB
	55340 to 56640	55340, 55990, 56640	20MHz	QPSK, 16QAM, 64QAM, 256QAM	100RB
Conducted Spurious Emissions	55265 to 56715	55990	5MHz	QPSK	1RB
	55290 to 56690	55990	20MHz	QPSK	1RB
Radiated Spurious Emissions	55315 to 56665	55990	5MHz	QPSK	1RB
	55340 to 56640	55990	20MHz	QPSK	1RB
Band Edge & ACLR	55265 to 56715	55265, 55990, 56715	5MHz	QPSK	1RB/25RB
	55290 to 56690	55290, 55990, 56690	10MHz	QPSK	1RB/50RB
	55315 to 56665	55315, 55990, 56665	15MHz	QPSK	1RB/75RB
	55340 to 56640	55340, 55990, 56640	20MHz	QPSK	1RB/100RB
Peak To Average Ratio	55265 to 56715	55265, 55990, 56715	5MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB
	55290 to 56690	55290, 55990, 56690	10MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB
	55315 to 56665	55315, 55990, 56665	15MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB
	55340 to 56640	55340, 55990, 56640	20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB
Frequency Stability for Temperature & Voltage	55340 to 56640	55340, 56640	20MHz	QPSK	100RB

NR n48				
Test Item	Tested Channel	Channel Bandwidth	Modulation	RB allocation
Conducted Output Power and Effective Radiated Power	Low, Mid, High	20MHz	DFT-s-OFDM PI/2 BPSK, DFT-s-OFDM BPSK DFT-s-OFDM QPSK DFT-s-OFDM 16QAM DFT-s-OFDM 64QAM DFT-s-OFDM 256QAM CP-OFDM QPSK CP-OFDM 16QAM CP-OFDM 64QAM CP-OFDM 256QAM	Inner_Full Edge_1RB_Left Edge_1RB_Right Outer_Full
		30MHz		
		40MHz		
Occupied Bandwidth	Mid	20MHz	DFT-s-OFDM PI/2 BPSK, DFT-s-OFDM QPSK DFT-s-OFDM 16QAM DFT-s-OFDM 64QAM DFT-s-OFDM 256QAM CP-OFDM QPSK CP-OFDM 16QAM CP-OFDM 64QAM CP-OFDM 256QAM	Outer Full
	Mid	30MHz		
	Mid	40MHz		
Conducted Spurious Emission	Low, Mid, High	20MHz	DFT-s-OFDM PI/2 BPSK, DFT-s-OFDM QPSK	1RB # 0
	Low, Mid, High	30MHz		
	Low, Mid, High	40MHz		
Radiated Spurious Emission	Mid	20MHz	DFT-s-OFDM QPSK	1RB # 0
	Mid	40MHz		
Band Edge & ACLR	Low, Mid, High	20MHz	DFT-s-OFDM PI/2 BPSK, DFT-s-OFDM QPSK	Edge 1RB Left Edge 1RB Right Outer Full
	Low, Mid, High	30MHz		
	Low, Mid, High	40MHz		
Peak To Average Ratio	Low, Mid, High	20MHz	DFT-s-OFDM PI/2 BPSK, DFT-s-OFDM QPSK	Edge 1RB Left Outer Full
Frequency Stability	Low, High	40MHz	DFT-s-OFDM QPSK	Outer Full

Note:

- 1) Since the power of DFT-S-OFDM modulation mode is higher than that of CP-OFMD, and the power of PI/2 BPSK and QPSK is greater than that of other modulation modes, we chose DFT-S-OFDM PI/2 BPSK and DFT-S-OFDM QPSK modulation mode to test other items except power and OBW.
- 2) All X, Y and Z axes are evaluated, but only the worst case (X axis) is recorded.

3.3 BLOCK DIGRAM SHOWING THECONFIGURATION OF SYSTEM TESTED



3.4 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.

Item	Equipment	Brand	Model No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
-	-	-	-	-

4. TEST RESULT

4.1 OUTPUT POWER & EIRP MEASUREMENT

4.1.1 LIMIT

EIRP for CBRS equipment as below table:

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

4.1.2 TEST PROCEDURE

The testing follows ANSI C63.26-2015 Section 5.2.4.4.2

Conducted Output Power:

The EUT can operate with a constant duty cycle.

- Set span to $2 \times$ to $3 \times$ the OBW.
- Set RBW = 1% to 5% of the OBW.
- Set VBW $\geq 3 \times$ RBW.
- Set number of measurement points in sweep $\geq 2 \times$ span / RBW.
- Sweep time:
 - Set = auto-couple, or
 - Set $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})]$ for single sweep (automation-compatible) measurement.
- Detector = power averaging (rms).
- Set sweep trigger to "free run."
- Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.
- Compute power by integrating the spectrum across the OBW of the signal using the instrument's band or channel power measurement function with band/channel limits set equal to the OBW band edges. If the instrument does not have a band or channel power function, sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.
- Add $10 \log (1/\text{duty cycle})$ to the measured power level to compute the average power during continuous transmission. For example, add $[10 \log (1/0.25)] = 6 \text{ dB}$ if the duty cycle is a constant 25%.

EIRP Power:

The testing follows ANSI C63.26-2015 Section 5.2.5.5

According to KDB 412172 D01 Power Approach,

$\text{EIRP} = \text{PT} + \text{GT} - \text{LC}$, where

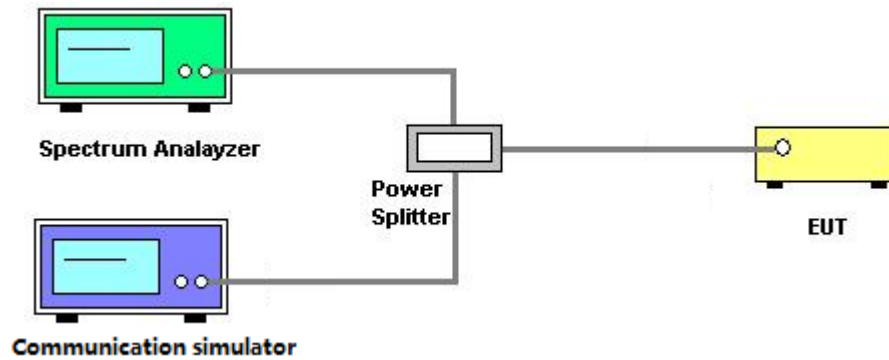
PT = transmitter output power in dBm

GT = gain of the transmitting antenna in dBi

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

4.1.3 TESTSETUP LAYOUT

Conducted Power Measurement



4.1.4 TEST DEVIATION

No deviation.

4.1.5 TEST RESULTS

Please refer to the APPENDIX A.

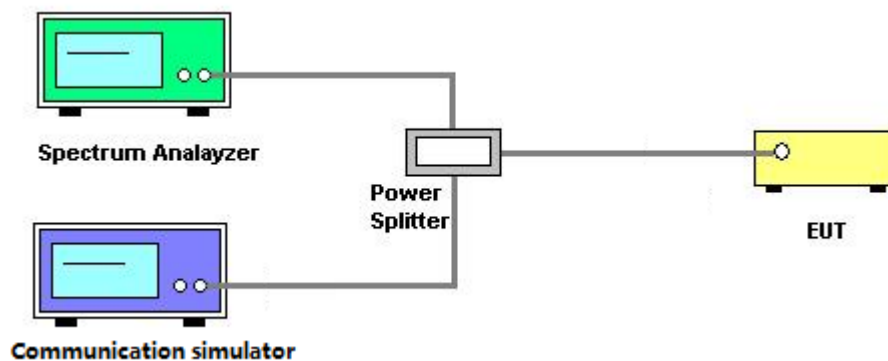
4.2 OCCUPIED BANDWIDTH MEASUREMENT

4.2.1 TEST PROCEDURE

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: 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)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

4.2.2 TEST SETUP LAYOUT



4.2.3 TEST DEVIATION

No deviation.

4.2.4 TEST RESULTS

Please refer to the APPENDIX B.

4.3 CONDUCTED EMISSIONS MEASUREMENT

4.3.1 LIMIT

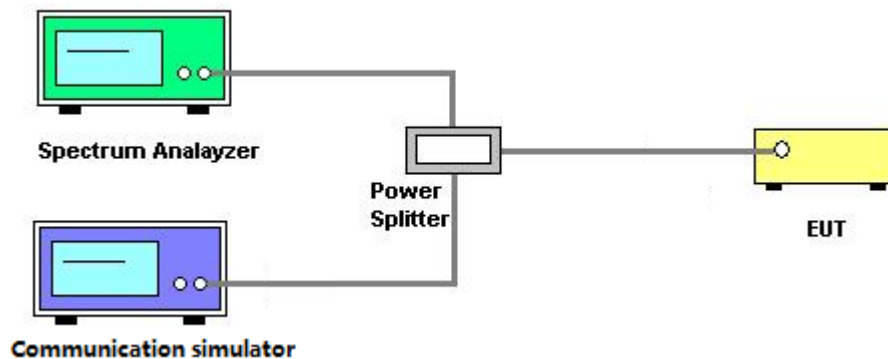
The conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz. Between 3530 MHz and 3720 MHz is the band edge range.

4.3.2 TEST PROCEDURE

The testing follows ANSI C63.26-2015 Section 5.7

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with Peak or RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is -40dBm/MHz.

4.3.3 TESTSETUP LAYOUT



4.3.4 TESTDEVIATION

No deviation.

4.3.5 TEST RESULTS

Please refer to the APPENDIX C.

4.4 RADIATED EMISSIONS MEASUREMENT

4.4.1 LIMIT

Out of band emissions: The power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

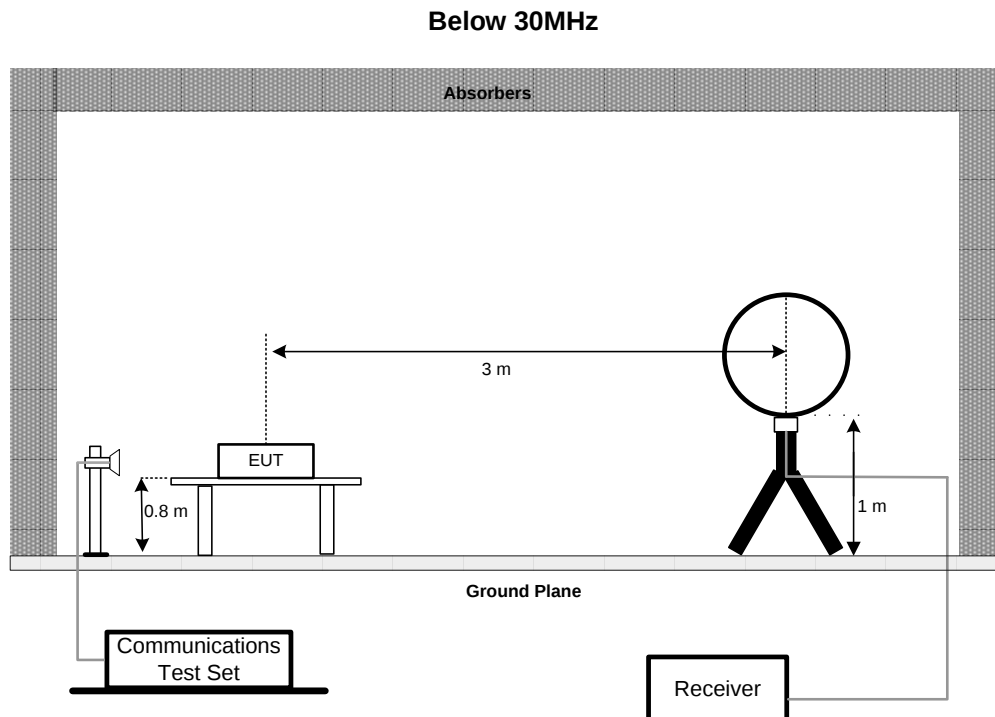
$E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20 \log D + 104.8$; where D is the measurement distance in meters. The emission limit equal to 55.26dB μ V/m.

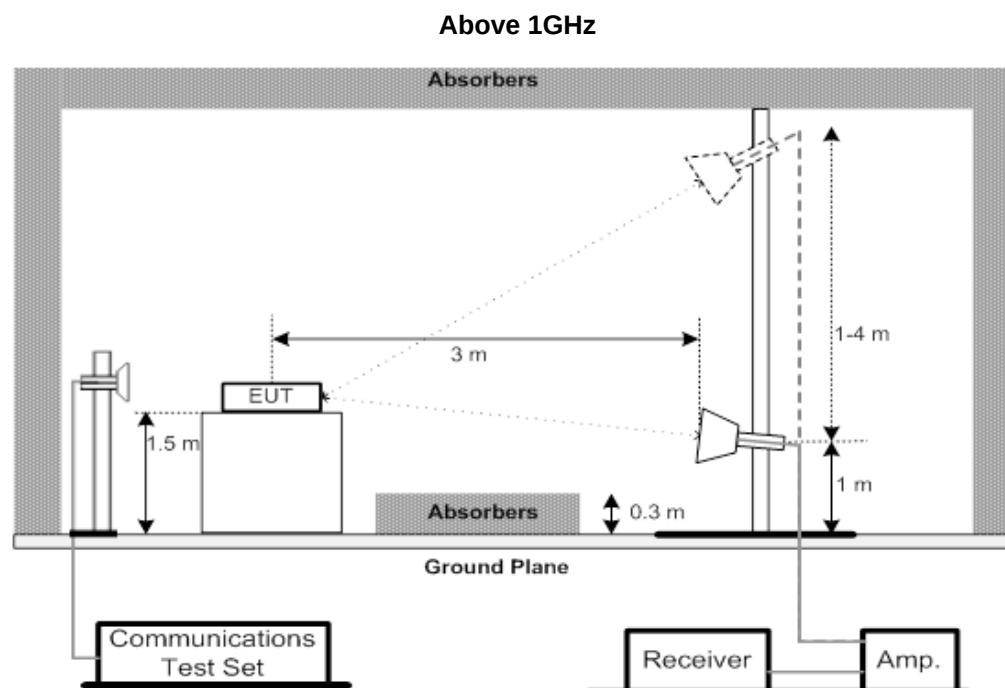
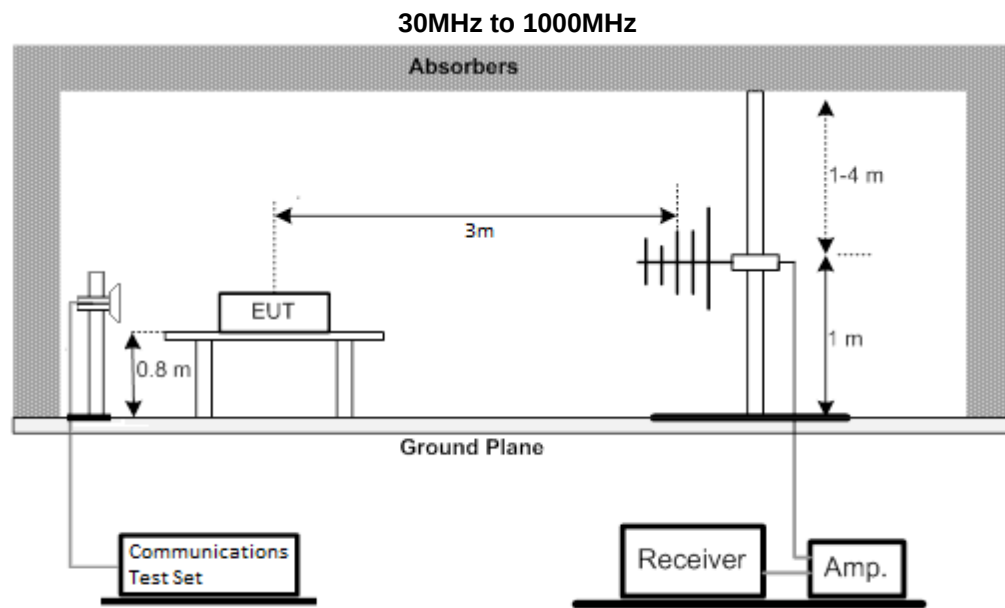
4.4.2 TEST PROCEDURES

The testing follows FCC KDB 971168 v03r01 Section 6.2 or ANSI C63.26-2015 Section 5.5.

1. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
3. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
4. Start the test, rotate the table 360° to find the worst Angle, maintain the worst Angle, raise the antenna to 1-4m to find the worst height, maintain the worst height, then rotate the table to determine the final worst Angle, grab the spectrum diagram.
5. EUT shall be placed in accordance with X,Y,Z as required by Figure 5 in ANSI C63.26. Repeat Step 5 above to find the worst placement. Test all bands according to the worst placement.
6. Then EIRP is then converted to field strength as follows in Equation
7. $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8$; where D is the measurement distance (in the far field region) in m. The emission limit equal to 55.26dB μ V/m.

4.4.3 TEST SETUP LAYOUT





4.4.4 TEST DEVIATION

No deviation.

4.4.5 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the APPENDIX D.

4.4.6 TEST RESULTS (30MHZ TO 1000MHZ)

Please refer to the APPENDIX E.

4.4.7 TEST RESULTS (ABOVE 1000MHZ)

Please refer to the APPENDIX F.

4.5 BAND EDGE MEASUREMENT

4.5.1 LIMIT

For channel and frequency assignments made by a CBSD to End User Devices, the conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13dBm/MHz within 0 to B megahertz (where B is the bandwidth in the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed 25 dBm/MHz.

Additional protection levels. Notwithstanding paragraph (e)(1) of this section, for CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

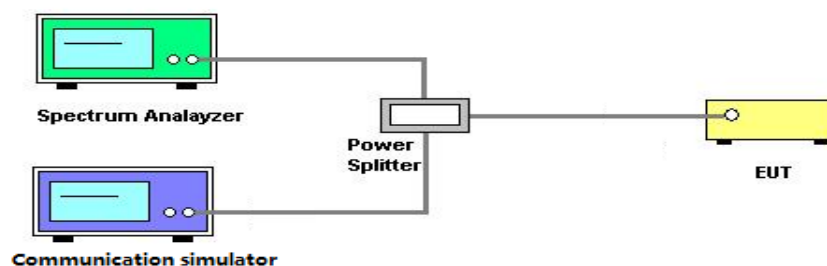
Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

4.5.2 TEST PROCEDURES

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
 2. The band edges of low and high channels for the highest RF powers were measured.
 3. Set RBW $\geq$ 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
 4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used
 5. Set spectrum analyzer with RMS detector.
 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
- For Adjacent Channel Leakage Ratio (ACLR) measurement,
7. The Adjacent Channel Leakage Ratio (ACLR) is the ratio of the average power in the assigned aggregated channel bandwidth to the average power over the equivalent adjacent channel bandwidth.
 8. The option ACLR of spectrum analyzer is used and measures the ACLR ratio by setting equivalent channel bandwidth.
 9. The measured ACLR ratio shall be at least 30 dB.

4.5.3 TESTSETUP LAYOUT



4.5.4 TESTDEVIATION

No deviation.

4.5.5 TEST RESULTS

Please refer to the APPENDIX G.

4.6 FREQUENCY STABILITY MEASUREMENT

4.6.1 LIMIT

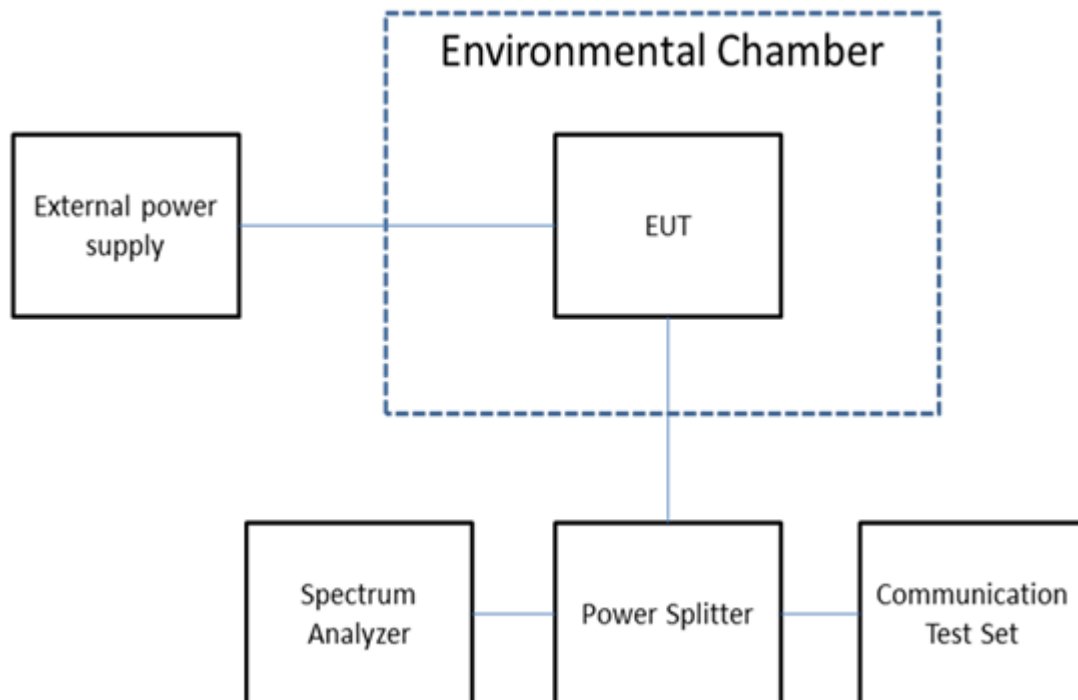
Limit is not defined in part 96 standard. BTL uses the following restrictions: The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

4.6.2 TEST PROCEDURES

The testing follows ANSI C63.26-2015 Section 5.6.

1. A reference point shall be established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard. These reference points measured using the lowest and highest channel of operation shall be identified as f_L and f_H respectively. The worst-case frequency offset determined in the above methods shall be added or subtracted from the values of f_L and f_H and the resulting frequencies must remain within the band.
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

4.6.3 TESTSETUP LAYOUT



4.6.4 TEST DEVIATION

No deviation.

4.6.5 TEST RESULTS

Please refer to the APPENDIX H.

4.7 PEAK TO AVERAGE RATIO MEASUREMENT

4.7.1 LIMIT

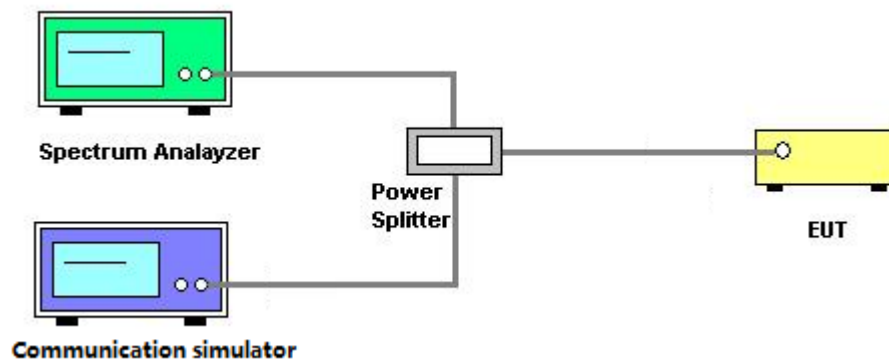
In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

4.7.2 TEST PROCEDURES

The testing follows ANSI C63.26-2015 Section 5.2.6.

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio

4.7.3 TEST SETUP LAYOUT



4.7.4 TEST DEVIATION

No deviation.

4.7.5 TEST RESULTS

Please refer to the APPENDIX I.

4. LIST OF MEASUREMENT EQUIPMENTS

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60B	1513-60 B-034	Mar. 30, 2025
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Dec. 22, 2024
3	Cable	N/A	RW4950-3.8A-N MSM-1.5	N/A	Nov. 12, 2025
4	Cable	N/A	LMR400-NMNM -8M	N/A	Nov. 12, 2025
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	966 Chamber room	ETS	9*6*6	N/A	May 16, 2025
7	wideband radio communication tester	R&S	CMW500	152372	Dec. 06, 2025
8	5G Wireless Test Platform	Star Point	SP9500	SP9500-20419	Jan. 19, 2025

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB9168	587	May 12, 2025
2	Attenuator	SHX	TS2-6-6-A	240124196	May 12, 2025
3	Preamplifier	EMC INSTRUMENT	EMC001330	980998	May 31, 2025
4	Cable	RegalWay	LMR400-NMNM-12.5 m	N/A	Jun. 06, 2025
5	Cable	RegalWay	LMR400-NMNM-3m	N/A	Jun. 06, 2025
6	Cable	RegalWay	LMR400-NMNM-0.5 m	N/A	Jun. 06, 2025
7	MXE EMI Receiver	KEYSIGHT	N9038B	MY62210123	Oct. 29, 2025
8	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
9	Positioning Controller	MF	MF-7802	N/A	N/A
10	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
11	966 Chamber room	CM	9*6*6	N/A	May 16, 2025
12	Broadband double ridged horn antenna	Regalway	RW10180-N	1911004	N/A
13	wideband radio communication tester	R&S	CMW500	152372	Dec. 06, 2025
14	5G Wireless Test Platform	Star Point	SP9500	SP9500-20419	Jan. 19, 2025

Radiated Emissions - 1 GHz to 18GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Jan. 10, 2026
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980878	Nov. 25, 2025
3	Double Ridged Guide Antenna	ETS	3115	75789	Jun. 15, 2025
4	Cable	RegalWay	RWLP50-4.0A-SMS M-12.5M	N/A	Jul. 03, 2025
5	Cable	RegalWay	RWLP50-4.0A-NM RASM-2.5M	N/A	Jul. 03, 2025
6	Cable	RegalWay	RWLP50-4.0A-NM RASMRA-0.8M	N/A	Jul. 03, 2025
7	966 Chamber room	CM	9*6*6	N/A	Dec 28,2025
8	Positioning Controller	MF	MF-7802	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	Filter	STI	STI15-9912	N/A	May. 31, 2025
11	Filter	Wairwright Instruments GmbH	WHK 1.5/15G-10ST	N/A	Dec. 06, 2025
12	5G Wireless Test Platform	Star Point	SP9500	SP9500-20419	Jan. 19, 2025 Jan. 10, 2026
13	Broadband double ridged horn antenna	Regalway	RW10180-N	1911004	N/A
14	wideband radio communication tester	R&S	CMW500	152372	Dec. 06, 2025

Radiated Emissions - Above 18 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63380204	Oct. 29, 2025
2	Preamplifier	EMC INSTRUMENT	EMC184045SE	980905	Oct. 29, 2025
3	Cable	RegalWay	RWLP50-2.6A-2.92 M2.92M-1.1M	N/A	Jul. 25, 2025
4	Cable	Tonscend	HF160-KMKM-3M	N/A	Jul. 25, 2025
5	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170(3m)	9170-319	Jun. 16, 2025
6	966 Chamber room	CM	9*6*6	N/A	May 19, 2025
7	Positioning Controller	MF	MF-7802	N/A	N/A
8	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
9	5G Wireless Test Platform	Star Point	SP9500	SP9500-20419	Jan. 19, 2025 Jan. 10, 2026

Conducted Measurement For TR06

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Wideband Radio Communication Tester	R&S	CWM 500	104462	Jun. 28, 2025
2	Wideband Radio Communication Tester	R&S	CWM 500	165578	Jan. 19, 2025 Jan. 10, 2026
3	MXA Signal Analyzer	Agilent Technologies	N9020A	MY49100060	Jun. 28, 2025
4	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63380204	Oct. 29, 2025
5	Signal Analyzer	R&S	FSV 40	100948	Jun. 28, 2025
6	Temperature Chamber	ESPEC	SU-242	93018786	Jun. 28, 2025
7	OUTPUT DC POWER SUPPLY	NA	IT6332C	80341601176733002 5	Jan. 19, 2025 Jan. 10, 2026
8	Measurement Software	BTL	BTL-Mobile Test20231204(12 46884249)	N/A	N/A

Conducted Measurement For TR05

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Control Interface	Anritsu	ARS200	862200005	N/A
2	Radio Communication Test Station	Anritsu	MT8000A	6261867313	Jan. 19, 2025 Jan. 10, 2026
3	Measurement Software	Anritsu	UCTS (SW Ver:6.24.1227.99)	N/A	N/A

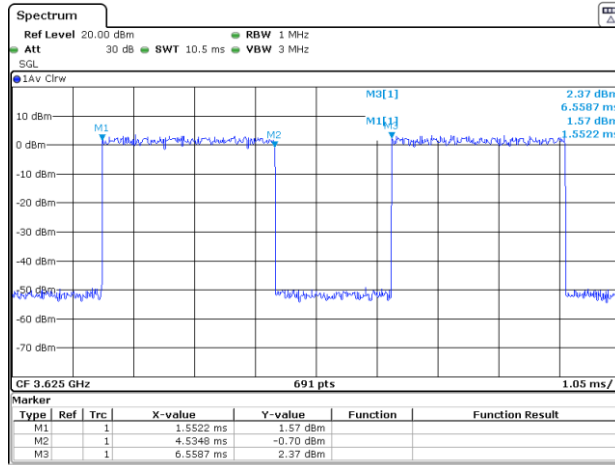
Conducted Measurement For TR01

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	5G Wireless Test Platform	Star Point	SP9500	SP9500-20335	Jan. 29, 2025 Jan. 10, 2026
2	5G Wireless Test Platform	Star Point	SP9500	SP9500-20419	Jan. 19, 2025 Jan. 10, 2026
3	MXA Signal Analyzer	Agilent Technologies	N9020A	MY49100060	Jun. 28, 2025
4	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63380204	Oct. 29, 2025
5	Signal Analyzer	R&S	FSV 40	100948	Jun. 28, 2025
6	Temperature Chamber	ESPEC	SU-242	93018777	Jun. 28, 2025
7	OUTPUT DC POWER SUPPLY	NA	IT6332C	80341601176733002 5	Jan. 19, 2025 Jan. 10, 2026

Remark: "N/A" denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

APPENDIX A - OUTPUT POWER & EIRP

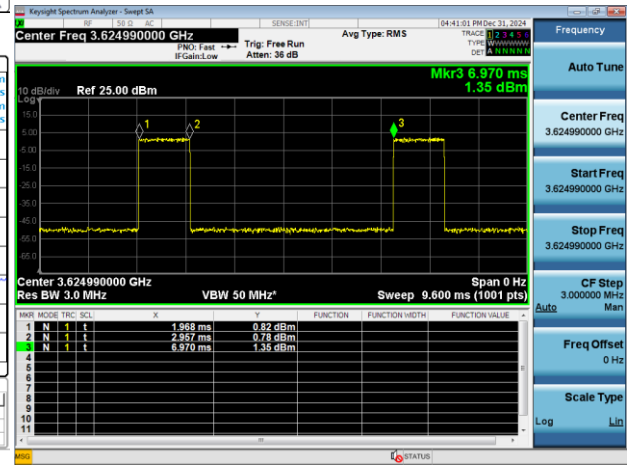
Duty Cycle (LTE)



Date: 10 JAN 2025 09:48:54

Duty cycle=On time/Total time
 $= (4.5348 - 1.5522) / (6.5587 - 1.5522) = 5.0065$
Duty factor=10 log (1/duty cycle)=2.2

Duty Cycle (5G NR)



Duty cycle=On time/Total time
 $= (4.5348 - 1.5522) / (6.5587 - 1.5522) = 5.0065$
Duty factor=10 log (1/duty cycle)=7

Conducted Power (Average power) (dBm/10MHz):

Average Power=Read Power+ Duty factor

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55265CH	55990CH	56715CH
				3552.5MHz	3625.0MHz	3697.5MHz
48 / 5MHz	QPSK	1	0	22.63	24.15	22.55
		1	13	23.00	23.70	23.28
		1	24	22.57	23.41	22.68
		12	0	20.27	20.38	20.22
		12	6	20.03	20.29	20.43
		12	11	19.92	20.25	20.52
		25	0	21.84	22.10	22.03
	16QAM	1	0	22.67	22.98	22.60
		1	13	22.88	22.98	23.27
		1	24	22.38	23.08	22.88
		12	0	19.93	20.09	19.99
		12	6	20.02	20.19	19.76
		12	11	19.77	19.96	19.88
		25	0	21.28	21.61	21.48
	64QAM	1	0	22.34	21.95	23.68
		1	13	22.63	23.28	23.67
		1	24	21.48	22.51	23.44
		12	0	21.30	21.62	21.43
		12	6	21.39	21.57	21.41
		12	11	21.49	21.42	21.42
		25	0	20.95	21.32	21.09
	256QAM	1	0	20.36	20.16	20.86
		1	13	20.61	21.19	20.38
		1	24	21.06	21.08	20.24
		12	0	19.37	19.43	19.43
		12	6	19.32	19.75	19.26
		12	11	19.29	19.63	19.33
		25	0	19.10	19.53	19.27

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55290CH	55990CH	56690CH
				3555.0MHz	3625.0MHz	3695.0MHz
48 / 10MHz	QPSK	1	0	22.81	23.11	22.88
		1	25	23.11	23.31	23.07
		1	49	22.96	22.82	22.66
		25	0	21.82	22.09	21.96
		25	13	21.84	22.14	22.07
		25	25	21.84	22.16	21.97
		50	0	22.87	23.21	23.13
	16QAM	1	0	22.65	23.10	22.83
		1	25	22.70	23.14	22.94
		1	49	22.42	22.98	22.79
		25	0	21.22	21.57	21.44
		25	13	21.21	21.61	21.49
		25	25	21.25	21.62	21.53
		50	0	21.98	22.45	22.35
	64QAM	1	0	22.21	23.55	22.82
		1	25	22.87	23.57	23.01
		1	49	22.70	23.24	22.56
		25	0	21.07	21.62	21.27
		25	13	21.12	21.42	21.28
		25	25	21.07	21.46	21.24
		50	0	21.00	21.44	21.33
	256QAM	1	0	19.76	21.15	20.42
		1	13	19.74	20.68	21.37
		1	24	19.89	20.33	20.52
		12	0	19.25	19.54	19.28
		12	6	19.30	19.63	19.24
		12	11	19.25	19.51	19.26
		25	0	19.19	19.41	19.32

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55315CH	55990CH	56665CH
				3557.5MHz	3625.0MHz	3692.5MHz
48 / 15MHz	QPSK	1	0	21.73	21.00	21.39
		1	38	21.83	21.23	21.56
		1	74	21.63	21.74	21.04
		36	0	19.83	20.46	20.15
		36	18	19.90	20.42	20.30
		36	39	20.15	20.40	20.29
		75	0	19.29	19.62	19.54
	16QAM	1	0	20.81	21.55	21.60
		1	38	21.08	21.75	21.74
		1	74	21.62	21.91	21.40
		36	0	18.96	19.78	19.55
		36	18	19.11	19.46	19.54
		36	39	19.28	19.55	19.61
		75	0	18.01	18.64	18.52
	64QAM	1	0	22.92	22.45	23.04
		1	38	23.15	22.82	22.87
		1	74	22.40	22.82	22.35
		36	0	21.55	21.62	21.26
		36	18	22.12	21.42	21.32
		36	39	21.41	21.82	21.27
		75	0	21.27	21.45	21.41
	256QAM	1	0	19.38	20.26	20.27
		1	38	20.16	20.36	20.76
		1	74	19.39	20.21	20.22
		36	0	19.29	19.62	19.88
		36	18	19.46	19.78	19.37
		36	39	19.50	19.78	19.35
		75	0	19.56	19.59	19.30

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55340CH	55990CH	56640CH
				3560.0MHz	3625.0MHz	3690.0MHz
48 / 20MHz	QPSK	1	0	21.20	21.79	21.92
		1	50	21.17	21.51	21.70
		1	99	21.72	21.54	21.68
		50	0	20.02	20.54	20.45
		50	25	20.43	20.60	20.53
		50	50	20.35	20.59	20.62
		100	0	17.93	18.52	18.35
	16QAM	1	0	21.45	21.12	21.43
		1	50	21.72	21.84	21.07
		1	99	20.94	21.34	21.59
		50	0	19.26	19.79	19.82
		50	25	19.66	19.94	19.79
		50	50	19.38	19.96	19.76
		100	0	17.00	17.53	17.31
	64QAM	1	0	21.43	22.17	21.73
		1	50	21.27	21.72	21.40
		1	99	22.15	21.87	21.35
		50	0	20.69	21.31	21.30
		50	25	21.13	21.56	21.31
		50	50	20.79	21.22	21.23
		100	0	18.38	18.54	18.46
	256QAM	1	0	19.20	20.67	20.30
		1	38	19.50	21.13	20.25
		1	74	19.56	20.71	20.86
		36	0	18.78	19.49	19.46
		36	18	18.77	19.53	19.38
		36	39	18.89	19.54	19.25
		75	0	16.38	17.16	16.42

EIRP (dBm/10MHz):

EIRP=Average Power+Ant. Gain

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55265CH	55990CH	56715CH
				3552.5MHz	3625.0MHz	3697.5MHz
48 / 5MHz	QPSK	1	0	21.26	22.78	21.18
		1	13	21.63	22.33	21.91
		1	24	21.20	22.04	21.31
		12	0	18.90	19.01	18.85
		12	6	18.66	18.92	19.06
		12	11	18.55	18.88	19.15
		25	0	20.47	20.73	20.66
	16QAM	1	0	21.30	21.61	21.23
		1	13	21.51	21.61	21.90
		1	24	21.01	21.71	21.51
		12	0	18.56	18.72	18.62
		12	6	18.65	18.82	18.39
		12	11	18.40	18.59	18.51
		25	0	19.91	20.24	20.11
	64QAM	1	0	20.97	20.58	22.31
		1	13	21.26	21.91	22.30
		1	24	20.11	21.14	22.07
		12	0	19.93	20.25	20.06
		12	6	20.02	20.20	20.04
		12	11	20.12	20.05	20.05
		25	0	19.58	19.95	19.72
	256QAM	1	0	18.99	18.79	19.49
		1	13	19.24	19.82	19.01
		1	24	19.69	19.71	18.87
		12	0	18.00	18.06	18.06
		12	6	17.95	18.38	17.89
		12	11	17.92	18.26	17.96
		25	0	17.73	18.16	17.90

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55290CH	55990CH	56690CH
				3555.0MHz	3625.0MHz	3695.0MHz
48 / 10MHz	QPSK	1	0	21.44	21.74	21.51
		1	25	21.74	21.94	21.70
		1	49	21.59	21.45	21.29
		25	0	20.45	20.72	20.59
		25	13	20.47	20.77	20.70
		25	25	20.47	20.79	20.60
		50	0	21.50	21.84	21.76
	16QAM	1	0	21.28	21.73	21.46
		1	25	21.33	21.77	21.57
		1	49	21.05	21.61	21.42
		25	0	19.85	20.20	20.07
		25	13	19.84	20.24	20.12
		25	25	19.88	20.25	20.16
		50	0	20.61	21.08	20.98
	64QAM	1	0	20.84	22.18	21.45
		1	25	21.50	22.20	21.64
		1	49	21.33	21.87	21.19
		25	0	19.70	20.25	19.90
		25	13	19.75	20.05	19.91
		25	25	19.70	20.09	19.87
		50	0	19.63	20.07	19.96
	256QAM	1	0	18.39	19.78	19.05
		1	13	18.37	19.31	20.00
		1	24	18.52	18.96	19.15
		12	0	17.88	18.17	17.91
		12	6	17.93	18.26	17.87
		12	11	17.88	18.14	17.89
		25	0	17.82	18.04	17.95

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55315CH	55990CH	56665CH
				3557.5MHz	3625.0MHz	3692.5MHz
48 / 15MHz	QPSK	1	0	20.36	19.63	20.02
		1	38	20.46	19.86	20.19
		1	74	20.26	20.37	19.67
		36	0	18.46	19.09	18.78
		36	18	18.53	19.05	18.93
		36	39	18.78	19.03	18.92
		75	0	17.92	18.25	18.17
	16QAM	1	0	19.44	20.18	20.23
		1	38	19.71	20.38	20.37
		1	74	20.25	20.54	20.03
		36	0	17.59	18.41	18.18
		36	18	17.74	18.09	18.17
		36	39	17.91	18.18	18.24
		75	0	16.64	17.27	17.15
	64QAM	1	0	21.55	21.08	21.67
		1	38	21.78	21.45	21.50
		1	74	21.03	21.45	20.98
		36	0	20.18	20.25	19.89
		36	18	20.75	20.05	19.95
		36	39	20.04	20.45	19.90
		75	0	19.90	20.08	20.04
	256QAM	1	0	18.01	18.89	18.90
		1	38	18.79	18.99	19.39
		1	74	18.02	18.84	18.85
		36	0	17.92	18.25	18.51
		36	18	18.09	18.41	18.00
		36	39	18.13	18.41	17.98
		75	0	18.19	18.22	17.93

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				55340CH	55990CH	56640CH
				3560.0MHz	3625.0MHz	3690.0MHz
48 / 20MHz	QPSK	1	0	19.83	20.42	20.55
		1	50	19.80	20.14	20.33
		1	99	20.35	20.17	20.31
		50	0	18.65	19.17	19.08
		50	25	19.06	19.23	19.16
		50	50	18.98	19.22	19.25
		100	0	16.56	17.15	16.98
	16QAM	1	0	20.08	19.75	20.06
		1	50	20.35	20.47	19.70
		1	99	19.57	19.97	20.22
		50	0	17.89	18.42	18.45
		50	25	18.29	18.57	18.42
		50	50	18.01	18.59	18.39
		100	0	15.63	16.16	15.94
	64QAM	1	0	20.06	20.80	20.36
		1	50	19.90	20.35	20.03
		1	99	20.78	20.50	19.98
		50	0	19.32	19.94	19.93
		50	25	19.76	20.19	19.94
		50	50	19.42	19.85	19.86
		100	0	17.01	17.17	17.09
	256QAM	1	0	17.83	19.30	18.93
		1	38	18.13	19.76	18.88
		1	74	18.19	19.34	19.49
		36	0	17.41	18.12	18.09
		36	18	17.40	18.16	18.01
		36	39	17.52	18.17	17.88
		75	0	15.01	15.79	15.05

For 5G NR n48

Band	Channel	TestItem	AVG Power	EIRP
n48	637334	RF power output:n48_20MHz_30kHz_637334;5;DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	14.59	13.22
n48	637334	RF power output:n48_20MHz_30kHz_637334;6;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	14.6	13.23
n48	637334	RF power output:n48_20MHz_30kHz_637334;7;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	14.97	13.6
n48	637334	RF power output:n48_20MHz_30kHz_637334;8;DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	13.49	12.12
n48	637334	RF power output:n48_20MHz_30kHz_637334;9;DFT-s-OFDM QPSK^Inner_Full:PC3	14.72	13.35
n48	637334	RF power output:n48_20MHz_30kHz_637334;10;DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	14.44	13.07
n48	637334	RF power output:n48_20MHz_30kHz_637334;11;DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	13.84	12.47
n48	637334	RF power output:n48_20MHz_30kHz_637334;12;DFT-s-OFDM QPSK^Outer_Full:PC3	14.37	13
n48	637334	RF power output:n48_20MHz_30kHz_637334;13;DFT-s-OFDM 16QAM^Inner_Full:PC3	14.08	12.71
n48	637334	RF power output:n48_20MHz_30kHz_637334;14;DFT-s-OFDM 16QAM^Edge_1RB_Left:PC3	15.05	13.68
n48	637334	RF power output:n48_20MHz_30kHz_637334;15;DFT-s-OFDM 16QAM^Edge_1RB_Right:PC3	14.92	13.55
n48	637334	RF power output:n48_20MHz_30kHz_637334;16;DFT-s-OFDM 16QAM^Outer_Full:PC3	13.89	12.52
n48	637334	RF power output:n48_20MHz_30kHz_637334;17;DFT-s-OFDM 64QAM^Edge_1RB_Left:PC3	14.54	13.17
n48	637334	RF power output:n48_20MHz_30kHz_637334;18;DFT-s-OFDM 64QAM^Edge_1RB_Right:PC3	12.88	11.51
n48	637334	RF power output:n48_20MHz_30kHz_637334;19;DFT-s-OFDM 64QAM^Outer_Full:PC3	14.11	12.74
n48	637334	RF power output:n48_20MHz_30kHz_637334;20;DFT-s-OFDM 256QAM^Edge_1RB_Left:PC3	13.57	12.2
n48	637334	RF power output:n48_20MHz_30kHz_637334;21;DFT-s-OFDM 256QAM^Edge_1RB_Right:PC3	14.25	12.88
n48	637334	RF power output:n48_20MHz_30kHz_637334;22;DFT-s-OFDM 256QAM^Outer_Full:PC3	14.5	13.13
n48	637334	RF power output:n48_20MHz_30kHz_637334;23;CP-OFDM QPSK^Inner_Full:PC3	14.1	12.73
n48	637334	RF power output:n48_20MHz_30kHz_637334;24;CP-OFDM QPSK^Edge_1RB_Left:PC3	14.88	13.51
n48	637334	RF power output:n48_20MHz_30kHz_637334;25;CP-OFDM QPSK^Edge_1RB_Right:PC3	14.53	13.16
n48	637334	RF power output:n48_20MHz_30kHz_637334;26;CP-OFDM QPSK^Outer_Full:PC3	14.21	12.84
n48	637334	RF power output:n48_20MHz_30kHz_637334;27;CP-OFDM 16QAM^Inner_Full:PC3	14.07	12.7
n48	637334	RF power output:n48_20MHz_30kHz_637334;28;CP-OFDM 16QAM^Edge_1RB_Left:PC3	13.99	12.62
n48	637334	RF power output:n48_20MHz_30kHz_637334;29;CP-OFDM 16QAM^Edge_1RB_Right:PC3	13.77	12.4
n48	637334	RF power output:n48_20MHz_30kHz_637334;30;CP-OFDM 16QAM^Outer_Full:PC3	14.03	12.66
n48	637334	RF power output:n48_20MHz_30kHz_637334;31;CP-OFDM 64QAM^Edge_1RB_Left:PC3	13.81	12.44
n48	637334	RF power output:n48_20MHz_30kHz_637334;32;CP-OFDM 64QAM^Edge_1RB_Right:PC3	14.6	13.23
n48	637334	RF power output:n48_20MHz_30kHz_637334;33;CP-OFDM 64QAM^Outer_Full:PC3	13.81	12.44
n48	637334	RF power output:n48_20MHz_30kHz_637334;34;CP-OFDM 256QAM^Edge_1RB_Left:PC3	13.79	12.42
n48	637334	RF power output:n48_20MHz_30kHz_637334;35;CP-OFDM 256QAM^Edge_1RB_Right:PC3	14.25	12.88
n48	637334	RF power output:n48_20MHz_30kHz_637334;36;CP-OFDM 256QAM^Outer_Full:PC3	13.73	12.36

Band	Channel	TestItem	AVG Power	EIRP
n48	641666	RF power output:n48_20MHz_30kHz_641666;5;DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	14.76	13.39
n48	641666	RF power output:n48_20MHz_30kHz_641666;6;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	16.82	15.45
n48	641666	RF power output:n48_20MHz_30kHz_641666;7;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	15.46	14.09
n48	641666	RF power output:n48_20MHz_30kHz_641666;8;DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	14.24	12.87
n48	641666	RF power output:n48_20MHz_30kHz_641666;9;DFT-s-OFDM QPSK^Inner_Full:PC3	15.3	13.93
n48	641666	RF power output:n48_20MHz_30kHz_641666;10;DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	14.87	13.5
n48	641666	RF power output:n48_20MHz_30kHz_641666;11;DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	15.91	14.54
n48	641666	RF power output:n48_20MHz_30kHz_641666;12;DFT-s-OFDM QPSK^Outer_Full:PC3	14.13	12.76
n48	641666	RF power output:n48_20MHz_30kHz_641666;13;DFT-s-OFDM 16QAM^Inner_Full:PC3	16.13	14.76
n48	641666	RF power output:n48_20MHz_30kHz_641666;14;DFT-s-OFDM 16QAM^Edge_1RB_Left:PC3	14.17	12.8
n48	641666	RF power output:n48_20MHz_30kHz_641666;15;DFT-s-OFDM 16QAM^Edge_1RB_Right:PC3	14.35	12.98
n48	641666	RF power output:n48_20MHz_30kHz_641666;16;DFT-s-OFDM 16QAM^Outer_Full:PC3	14.12	12.75
n48	641666	RF power output:n48_20MHz_30kHz_641666;17;DFT-s-OFDM 64QAM^Edge_1RB_Left:PC3	14.31	12.94
n48	641666	RF power output:n48_20MHz_30kHz_641666;18;DFT-s-OFDM 64QAM^Edge_1RB_Right:PC3	14.57	13.2
n48	641666	RF power output:n48_20MHz_30kHz_641666;19;DFT-s-OFDM 64QAM^Outer_Full:PC3	14.73	13.36
n48	641666	RF power output:n48_20MHz_30kHz_641666;20;DFT-s-OFDM 256QAM^Edge_1RB_Left:PC3	14.53	13.16
n48	641666	RF power output:n48_20MHz_30kHz_641666;21;DFT-s-OFDM 256QAM^Edge_1RB_Right:PC3	14.08	12.71
n48	641666	RF power output:n48_20MHz_30kHz_641666;22;DFT-s-OFDM 256QAM^Outer_Full:PC3	14.66	13.29
n48	641666	RF power output:n48_20MHz_30kHz_641666;23;CP-OFDM QPSK^Inner_Full:PC3	15.24	13.87
n48	641666	RF power output:n48_20MHz_30kHz_641666;24;CP-OFDM QPSK^Edge_1RB_Left:PC3	14.45	13.08
n48	641666	RF power output:n48_20MHz_30kHz_641666;25;CP-OFDM QPSK^Edge_1RB_Right:PC3	14.89	13.52
n48	641666	RF power output:n48_20MHz_30kHz_641666;26;CP-OFDM QPSK^Outer_Full:PC3	15.02	13.65
n48	641666	RF power output:n48_20MHz_30kHz_641666;27;CP-OFDM 16QAM^Inner_Full:PC3	16.05	14.68
n48	641666	RF power output:n48_20MHz_30kHz_641666;28;CP-OFDM 16QAM^Edge_1RB_Left:PC3	14.29	12.92
n48	641666	RF power output:n48_20MHz_30kHz_641666;29;CP-OFDM 16QAM^Edge_1RB_Right:PC3	14.47	13.1
n48	641666	RF power output:n48_20MHz_30kHz_641666;30;CP-OFDM 16QAM^Outer_Full:PC3	13.78	12.41
n48	641666	RF power output:n48_20MHz_30kHz_641666;31;CP-OFDM 64QAM^Edge_1RB_Left:PC3	15.53	14.16
n48	641666	RF power output:n48_20MHz_30kHz_641666;32;CP-OFDM 64QAM^Edge_1RB_Right:PC3	14.26	12.89
n48	641666	RF power output:n48_20MHz_30kHz_641666;33;CP-OFDM 64QAM^Outer_Full:PC3	14.92	13.55
n48	641666	RF power output:n48_20MHz_30kHz_641666;34;CP-OFDM 256QAM^Edge_1RB_Left:PC3	15.15	13.78
n48	641666	RF power output:n48_20MHz_30kHz_641666;35;CP-OFDM 256QAM^Edge_1RB_Right:PC3	14.96	13.59
n48	641666	RF power output:n48_20MHz_30kHz_641666;36;CP-OFDM 256QAM^Outer_Full:PC3	15.35	13.98

Band	Channel	TestItem	AVG Power	EIRP
n48	646000	RF power output:n48_20MHz_30kHz_646000;5;DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	16.12	14.75
n48	646000	RF power output:n48_20MHz_30kHz_646000;6;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	16.28	14.91
n48	646000	RF power output:n48_20MHz_30kHz_646000;7;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	15.92	14.55
n48	646000	RF power output:n48_20MHz_30kHz_646000;8;DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	14.44	13.07
n48	646000	RF power output:n48_20MHz_30kHz_646000;9;DFT-s-OFDM QPSK^Inner_Full:PC3	15.61	14.24
n48	646000	RF power output:n48_20MHz_30kHz_646000;10;DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	14.37	13
n48	646000	RF power output:n48_20MHz_30kHz_646000;11;DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	16.75	15.38
n48	646000	RF power output:n48_20MHz_30kHz_646000;12;DFT-s-OFDM QPSK^Outer_Full:PC3	15.4	14.03
n48	646000	RF power output:n48_20MHz_30kHz_646000;13;DFT-s-OFDM 16QAM^Inner_Full:PC3	15.86	14.49
n48	646000	RF power output:n48_20MHz_30kHz_646000;14;DFT-s-OFDM 16QAM^Edge_1RB_Left:PC3	15.27	13.9
n48	646000	RF power output:n48_20MHz_30kHz_646000;15;DFT-s-OFDM 16QAM^Edge_1RB_Right:PC3	16.6	15.23
n48	646000	RF power output:n48_20MHz_30kHz_646000;16;DFT-s-OFDM 16QAM^Outer_Full:PC3	14.9	13.53
n48	646000	RF power output:n48_20MHz_30kHz_646000;17;DFT-s-OFDM 64QAM^Edge_1RB_Left:PC3	14.81	13.44
n48	646000	RF power output:n48_20MHz_30kHz_646000;18;DFT-s-OFDM 64QAM^Edge_1RB_Right:PC3	16.04	14.67
n48	646000	RF power output:n48_20MHz_30kHz_646000;19;DFT-s-OFDM 64QAM^Outer_Full:PC3	14.49	13.12
n48	646000	RF power output:n48_20MHz_30kHz_646000;20;DFT-s-OFDM 256QAM^Edge_1RB_Left:PC3	16.49	15.12
n48	646000	RF power output:n48_20MHz_30kHz_646000;21;DFT-s-OFDM 256QAM^Edge_1RB_Right:PC3	14.33	12.96
n48	646000	RF power output:n48_20MHz_30kHz_646000;22;DFT-s-OFDM 256QAM^Outer_Full:PC3	15.85	14.48
n48	646000	RF power output:n48_20MHz_30kHz_646000;23;CP-OFDM QPSK^Inner_Full:PC3	16.48	15.11
n48	646000	RF power output:n48_20MHz_30kHz_646000;24;CP-OFDM QPSK^Edge_1RB_Left:PC3	15.09	13.72
n48	646000	RF power output:n48_20MHz_30kHz_646000;25;CP-OFDM QPSK^Edge_1RB_Right:PC3	14.57	13.2
n48	646000	RF power output:n48_20MHz_30kHz_646000;26;CP-OFDM QPSK^Outer_Full:PC3	15.34	13.97
n48	646000	RF power output:n48_20MHz_30kHz_646000;27;CP-OFDM 16QAM^Inner_Full:PC3	16.66	15.29
n48	646000	RF power output:n48_20MHz_30kHz_646000;28;CP-OFDM 16QAM^Edge_1RB_Left:PC3	14.45	13.08
n48	646000	RF power output:n48_20MHz_30kHz_646000;29;CP-OFDM 16QAM^Edge_1RB_Right:PC3	15.6	14.23
n48	646000	RF power output:n48_20MHz_30kHz_646000;30;CP-OFDM 16QAM^Outer_Full:PC3	14.71	13.34
n48	646000	RF power output:n48_20MHz_30kHz_646000;31;CP-OFDM 64QAM^Edge_1RB_Left:PC3	15.13	13.76
n48	646000	RF power output:n48_20MHz_30kHz_646000;32;CP-OFDM 64QAM^Edge_1RB_Right:PC3	14.39	13.02
n48	646000	RF power output:n48_20MHz_30kHz_646000;33;CP-OFDM 64QAM^Outer_Full:PC3	14.38	13.01
n48	646000	RF power output:n48_20MHz_30kHz_646000;34;CP-OFDM 256QAM^Edge_1RB_Left:PC3	15.16	13.79
n48	646000	RF power output:n48_20MHz_30kHz_646000;35;CP-OFDM 256QAM^Edge_1RB_Right:PC3	15.44	14.07
n48	646000	RF power output:n48_20MHz_30kHz_646000;36;CP-OFDM 256QAM^Outer_Full:PC3	14.1	12.73

Band	Channel	TestItem	AVG Power	EIRP
n48	637668	RF power output:n48_30MHz_30kHz_637668;5;DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	14.7	13.33
n48	637668	RF power output:n48_30MHz_30kHz_637668;6;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	14.27	12.9
n48	637668	RF power output:n48_30MHz_30kHz_637668;7;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	15.01	13.64
n48	637668	RF power output:n48_30MHz_30kHz_637668;8;DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	13.73	12.36
n48	637668	RF power output:n48_30MHz_30kHz_637668;9;DFT-s-OFDM QPSK^Inner_Full:PC3	14.44	13.07
n48	637668	RF power output:n48_30MHz_30kHz_637668;10;DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	15.4	14.03
n48	637668	RF power output:n48_30MHz_30kHz_637668;11;DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	16.26	14.89
n48	637668	RF power output:n48_30MHz_30kHz_637668;12;DFT-s-OFDM QPSK^Outer_Full:PC3	13.8	12.43
n48	637668	RF power output:n48_30MHz_30kHz_637668;13;DFT-s-OFDM 16QAM^Inner_Full:PC3	13.66	12.29
n48	637668	RF power output:n48_30MHz_30kHz_637668;14;DFT-s-OFDM 16QAM^Edge_1RB_Left:PC3	14.3	12.93
n48	637668	RF power output:n48_30MHz_30kHz_637668;15;DFT-s-OFDM 16QAM^Edge_1RB_Right:PC3	14.55	13.18
n48	637668	RF power output:n48_30MHz_30kHz_637668;16;DFT-s-OFDM 16QAM^Outer_Full:PC3	13.16	11.79
n48	637668	RF power output:n48_30MHz_30kHz_637668;17;DFT-s-OFDM 64QAM^Edge_1RB_Left:PC3	14.61	13.24
n48	637668	RF power output:n48_30MHz_30kHz_637668;18;DFT-s-OFDM 64QAM^Edge_1RB_Right:PC3	14.81	13.44
n48	637668	RF power output:n48_30MHz_30kHz_637668;19;DFT-s-OFDM 64QAM^Outer_Full:PC3	13.7	12.33
n48	637668	RF power output:n48_30MHz_30kHz_637668;20;DFT-s-OFDM 256QAM^Edge_1RB_Left:PC3	14.34	12.97
n48	637668	RF power output:n48_30MHz_30kHz_637668;21;DFT-s-OFDM 256QAM^Edge_1RB_Right:PC3	15.76	14.39
n48	637668	RF power output:n48_30MHz_30kHz_637668;22;DFT-s-OFDM 256QAM^Outer_Full:PC3	13.21	11.84
n48	637668	RF power output:n48_30MHz_30kHz_637668;23;CP-OFDM QPSK^Inner_Full:PC3	14.28	12.91
n48	637668	RF power output:n48_30MHz_30kHz_637668;24;CP-OFDM QPSK^Edge_1RB_Left:PC3	13.76	12.39
n48	637668	RF power output:n48_30MHz_30kHz_637668;25;CP-OFDM QPSK^Edge_1RB_Right:PC3	14.04	12.67
n48	637668	RF power output:n48_30MHz_30kHz_637668;26;CP-OFDM QPSK^Outer_Full:PC3	14.19	12.82
n48	637668	RF power output:n48_30MHz_30kHz_637668;27;CP-OFDM 16QAM^Inner_Full:PC3	13.86	12.49
n48	637668	RF power output:n48_30MHz_30kHz_637668;28;CP-OFDM 16QAM^Edge_1RB_Left:PC3	13.94	12.57
n48	637668	RF power output:n48_30MHz_30kHz_637668;29;CP-OFDM 16QAM^Edge_1RB_Right:PC3	14.68	13.31
n48	637668	RF power output:n48_30MHz_30kHz_637668;30;CP-OFDM 16QAM^Outer_Full:PC3	14.02	12.65
n48	637668	RF power output:n48_30MHz_30kHz_637668;31;CP-OFDM 64QAM^Edge_1RB_Left:PC3	13.85	12.48
n48	637668	RF power output:n48_30MHz_30kHz_637668;32;CP-OFDM 64QAM^Edge_1RB_Right:PC3	14.94	13.57
n48	637668	RF power output:n48_30MHz_30kHz_637668;33;CP-OFDM 64QAM^Outer_Full:PC3	13.97	12.6
n48	637668	RF power output:n48_30MHz_30kHz_637668;34;CP-OFDM 256QAM^Edge_1RB_Left:PC3	14.32	12.95
n48	637668	RF power output:n48_30MHz_30kHz_637668;35;CP-OFDM 256QAM^Edge_1RB_Right:PC3	14.57	13.2
n48	637668	RF power output:n48_30MHz_30kHz_637668;36;CP-OFDM 256QAM^Outer_Full:PC3	13.9	12.53

Band	Channel	TestItem	AVG Power	EIRP
n48	641666	RF power output:n48_30MHz_30kHz_641666;5;DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	14.58	13.21
n48	641666	RF power output:n48_30MHz_30kHz_641666;6;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	13.92	12.55
n48	641666	RF power output:n48_30MHz_30kHz_641666;7;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	16.58	15.21
n48	641666	RF power output:n48_30MHz_30kHz_641666;8;DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	13.92	12.55
n48	641666	RF power output:n48_30MHz_30kHz_641666;9;DFT-s-OFDM QPSK^Inner_Full:PC3	14.85	13.48
n48	641666	RF power output:n48_30MHz_30kHz_641666;10;DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	14.12	12.75
n48	641666	RF power output:n48_30MHz_30kHz_641666;11;DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	16.29	14.92
n48	641666	RF power output:n48_30MHz_30kHz_641666;12;DFT-s-OFDM QPSK^Outer_Full:PC3	13.96	12.59
n48	641666	RF power output:n48_30MHz_30kHz_641666;13;DFT-s-OFDM 16QAM^Inner_Full:PC3	14.86	13.49
n48	641666	RF power output:n48_30MHz_30kHz_641666;14;DFT-s-OFDM 16QAM^Edge_1RB_Left:PC3	14.05	12.68
n48	641666	RF power output:n48_30MHz_30kHz_641666;15;DFT-s-OFDM 16QAM^Edge_1RB_Right:PC3	15.27	13.9
n48	641666	RF power output:n48_30MHz_30kHz_641666;16;DFT-s-OFDM 16QAM^Outer_Full:PC3	13.66	12.29
n48	641666	RF power output:n48_30MHz_30kHz_641666;17;DFT-s-OFDM 64QAM^Edge_1RB_Left:PC3	15.76	14.39
n48	641666	RF power output:n48_30MHz_30kHz_641666;18;DFT-s-OFDM 64QAM^Edge_1RB_Right:PC3	13.41	12.04
n48	641666	RF power output:n48_30MHz_30kHz_641666;19;DFT-s-OFDM 64QAM^Outer_Full:PC3	13.42	12.05
n48	641666	RF power output:n48_30MHz_30kHz_641666;20;DFT-s-OFDM 256QAM^Edge_1RB_Left:PC3	13.94	12.57
n48	641666	RF power output:n48_30MHz_30kHz_641666;21;DFT-s-OFDM 256QAM^Edge_1RB_Right:PC3	15.86	14.49
n48	641666	RF power output:n48_30MHz_30kHz_641666;22;DFT-s-OFDM 256QAM^Outer_Full:PC3	14.13	12.76
n48	641666	RF power output:n48_30MHz_30kHz_641666;23;CP-OFDM QPSK^Inner_Full:PC3	16.09	14.72
n48	641666	RF power output:n48_30MHz_30kHz_641666;24;CP-OFDM QPSK^Edge_1RB_Left:PC3	16.15	14.78
n48	641666	RF power output:n48_30MHz_30kHz_641666;25;CP-OFDM QPSK^Edge_1RB_Right:PC3	14.19	12.82
n48	641666	RF power output:n48_30MHz_30kHz_641666;26;CP-OFDM QPSK^Outer_Full:PC3	13.8	12.43
n48	641666	RF power output:n48_30MHz_30kHz_641666;27;CP-OFDM 16QAM^Inner_Full:PC3	15.21	13.84
n48	641666	RF power output:n48_30MHz_30kHz_641666;28;CP-OFDM 16QAM^Edge_1RB_Left:PC3	14	12.63
n48	641666	RF power output:n48_30MHz_30kHz_641666;29;CP-OFDM 16QAM^Edge_1RB_Right:PC3	14.69	13.32
n48	641666	RF power output:n48_30MHz_30kHz_641666;30;CP-OFDM 16QAM^Outer_Full:PC3	13.92	12.55
n48	641666	RF power output:n48_30MHz_30kHz_641666;31;CP-OFDM 64QAM^Edge_1RB_Left:PC3	14.81	13.44
n48	641666	RF power output:n48_30MHz_30kHz_641666;32;CP-OFDM 64QAM^Edge_1RB_Right:PC3	14.34	12.97
n48	641666	RF power output:n48_30MHz_30kHz_641666;33;CP-OFDM 64QAM^Outer_Full:PC3	13.58	12.21
n48	641666	RF power output:n48_30MHz_30kHz_641666;34;CP-OFDM 256QAM^Edge_1RB_Left:PC3	14.77	13.4
n48	641666	RF power output:n48_30MHz_30kHz_641666;35;CP-OFDM 256QAM^Edge_1RB_Right:PC3	15.32	13.95
n48	641666	RF power output:n48_30MHz_30kHz_641666;36;CP-OFDM 256QAM^Outer_Full:PC3	13.38	12.01

Band	Channel	TestItem	AVG Power	EIRP
n48	645666	RF power output:n48_30MHz_30kHz_645666;5;DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	15.88	14.51
n48	645666	RF power output:n48_30MHz_30kHz_645666;6;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	15.21	13.84
n48	645666	RF power output:n48_30MHz_30kHz_645666;7;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	15.2	13.83
n48	645666	RF power output:n48_30MHz_30kHz_645666;8;DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	14.96	13.59
n48	645666	RF power output:n48_30MHz_30kHz_645666;9;DFT-s-OFDM QPSK^Inner_Full:PC3	15.5	14.13
n48	645666	RF power output:n48_30MHz_30kHz_645666;10;DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	15.11	13.74
n48	645666	RF power output:n48_30MHz_30kHz_645666;11;DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	16.32	14.95
n48	645666	RF power output:n48_30MHz_30kHz_645666;12;DFT-s-OFDM QPSK^Outer_Full:PC3	15.24	13.87
n48	645666	RF power output:n48_30MHz_30kHz_645666;13;DFT-s-OFDM 16QAM^Inner_Full:PC3	15.04	13.67
n48	645666	RF power output:n48_30MHz_30kHz_645666;14;DFT-s-OFDM 16QAM^Edge_1RB_Left:PC3	15.32	13.95
n48	645666	RF power output:n48_30MHz_30kHz_645666;15;DFT-s-OFDM 16QAM^Edge_1RB_Right:PC3	14.21	12.84
n48	645666	RF power output:n48_30MHz_30kHz_645666;16;DFT-s-OFDM 16QAM^Outer_Full:PC3	15.51	14.14
n48	645666	RF power output:n48_30MHz_30kHz_645666;17;DFT-s-OFDM 64QAM^Edge_1RB_Left:PC3	14.95	13.58
n48	645666	RF power output:n48_30MHz_30kHz_645666;18;DFT-s-OFDM 64QAM^Edge_1RB_Right:PC3	14.87	13.5
n48	645666	RF power output:n48_30MHz_30kHz_645666;19;DFT-s-OFDM 64QAM^Outer_Full:PC3	14.82	13.45
n48	645666	RF power output:n48_30MHz_30kHz_645666;20;DFT-s-OFDM 256QAM^Edge_1RB_Left:PC3	15.37	14
n48	645666	RF power output:n48_30MHz_30kHz_645666;21;DFT-s-OFDM 256QAM^Edge_1RB_Right:PC3	14.3	12.93
n48	645666	RF power output:n48_30MHz_30kHz_645666;22;DFT-s-OFDM 256QAM^Outer_Full:PC3	15.15	13.78
n48	645666	RF power output:n48_30MHz_30kHz_645666;23;CP-OFDM QPSK^Inner_Full:PC3	15.44	14.07
n48	645666	RF power output:n48_30MHz_30kHz_645666;24;CP-OFDM QPSK^Edge_1RB_Left:PC3	14.91	13.54
n48	645666	RF power output:n48_30MHz_30kHz_645666;25;CP-OFDM QPSK^Edge_1RB_Right:PC3	16.03	14.66
n48	645666	RF power output:n48_30MHz_30kHz_645666;26;CP-OFDM QPSK^Outer_Full:PC3	15.17	13.8
n48	645666	RF power output:n48_30MHz_30kHz_645666;27;CP-OFDM 16QAM^Inner_Full:PC3	15.96	14.59
n48	645666	RF power output:n48_30MHz_30kHz_645666;28;CP-OFDM 16QAM^Edge_1RB_Left:PC3	14.14	12.77
n48	645666	RF power output:n48_30MHz_30kHz_645666;29;CP-OFDM 16QAM^Edge_1RB_Right:PC3	14.92	13.55
n48	645666	RF power output:n48_30MHz_30kHz_645666;30;CP-OFDM 16QAM^Outer_Full:PC3	14.89	13.52
n48	645666	RF power output:n48_30MHz_30kHz_645666;31;CP-OFDM 64QAM^Edge_1RB_Left:PC3	14.23	12.86
n48	645666	RF power output:n48_30MHz_30kHz_645666;32;CP-OFDM 64QAM^Edge_1RB_Right:PC3	15.41	14.04
n48	645666	RF power output:n48_30MHz_30kHz_645666;33;CP-OFDM 64QAM^Outer_Full:PC3	14.79	13.42
n48	645666	RF power output:n48_30MHz_30kHz_645666;34;CP-OFDM 256QAM^Edge_1RB_Left:PC3	14.94	13.57
n48	645666	RF power output:n48_30MHz_30kHz_645666;35;CP-OFDM 256QAM^Edge_1RB_Right:PC3	14.61	13.24
n48	645666	RF power output:n48_30MHz_30kHz_645666;36;CP-OFDM 256QAM^Outer_Full:PC3	14.62	13.25

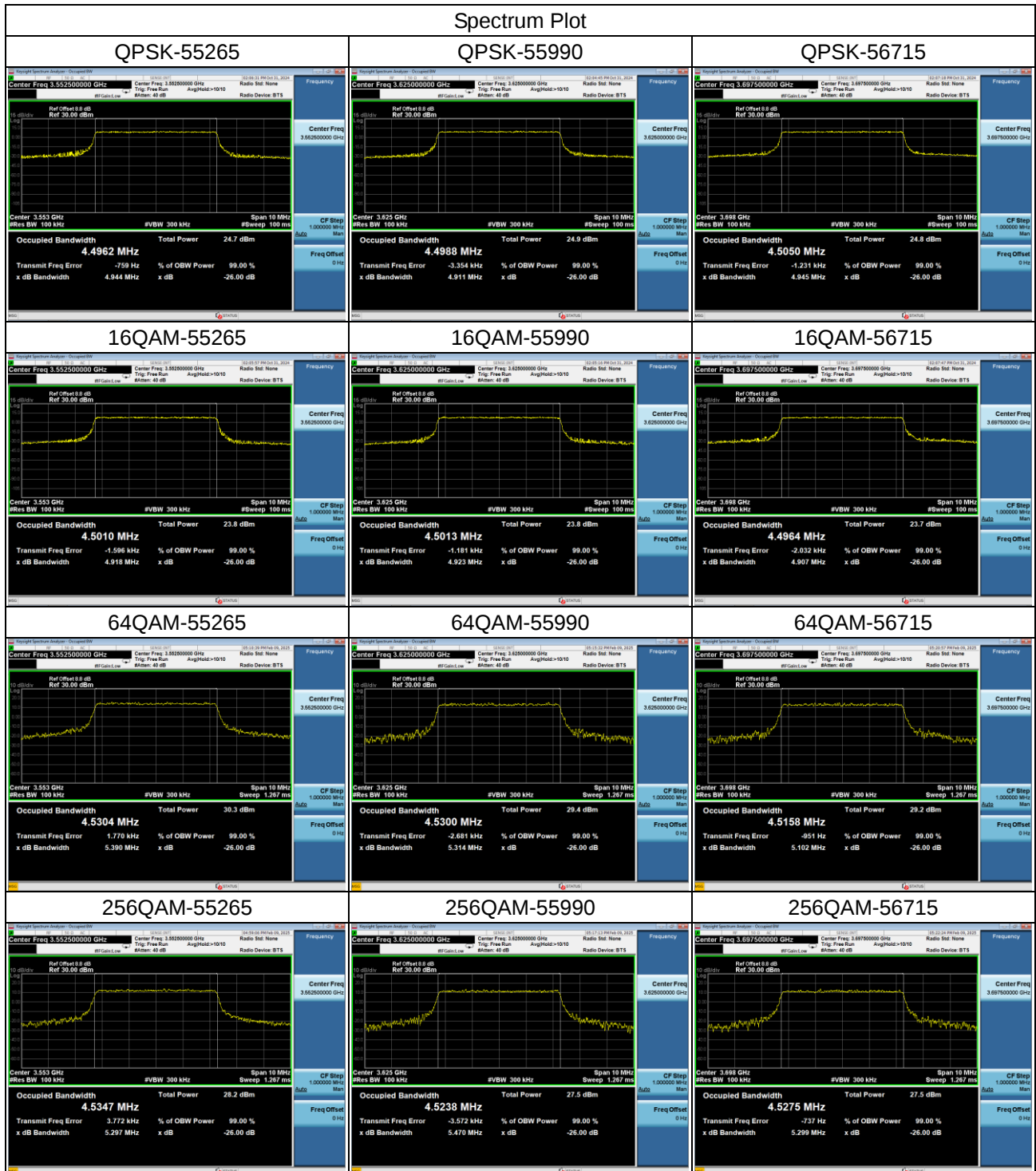
Band	Channel	TestItem	AVG Power	EIRP
n48	638000	RF power output:n48_40MHz_30kHz_638000;5;DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	14.82	13.45
n48	638000	RF power output:n48_40MHz_30kHz_638000;6;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	14.85	13.48
n48	638000	RF power output:n48_40MHz_30kHz_638000;7;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	14.46	13.09
n48	638000	RF power output:n48_40MHz_30kHz_638000;8;DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	14.33	12.96
n48	638000	RF power output:n48_40MHz_30kHz_638000;9;DFT-s-OFDM QPSK^Inner_Full:PC3	15.05	13.68
n48	638000	RF power output:n48_40MHz_30kHz_638000;10;DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	13.97	12.6
n48	638000	RF power output:n48_40MHz_30kHz_638000;11;DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	15.1	13.73
n48	638000	RF power output:n48_40MHz_30kHz_638000;12;DFT-s-OFDM QPSK^Outer_Full:PC3	14.07	12.7
n48	638000	RF power output:n48_40MHz_30kHz_638000;13;DFT-s-OFDM 16QAM^Inner_Full:PC3	14.03	12.66
n48	638000	RF power output:n48_40MHz_30kHz_638000;14;DFT-s-OFDM 16QAM^Edge_1RB_Left:PC3	13.67	12.3
n48	638000	RF power output:n48_40MHz_30kHz_638000;15;DFT-s-OFDM 16QAM^Edge_1RB_Right:PC3	15.39	14.02
n48	638000	RF power output:n48_40MHz_30kHz_638000;16;DFT-s-OFDM 16QAM^Outer_Full:PC3	13.86	12.49
n48	638000	RF power output:n48_40MHz_30kHz_638000;17;DFT-s-OFDM 64QAM^Edge_1RB_Left:PC3	14.13	12.76
n48	638000	RF power output:n48_40MHz_30kHz_638000;18;DFT-s-OFDM 64QAM^Edge_1RB_Right:PC3	16.16	14.79
n48	638000	RF power output:n48_40MHz_30kHz_638000;19;DFT-s-OFDM 64QAM^Outer_Full:PC3	13.33	11.96
n48	638000	RF power output:n48_40MHz_30kHz_638000;20;DFT-s-OFDM 256QAM^Edge_1RB_Left:PC3	12.83	11.46
n48	638000	RF power output:n48_40MHz_30kHz_638000;21;DFT-s-OFDM 256QAM^Edge_1RB_Right:PC3	14.62	13.25
n48	638000	RF power output:n48_40MHz_30kHz_638000;22;DFT-s-OFDM 256QAM^Outer_Full:PC3	13.42	12.05
n48	638000	RF power output:n48_40MHz_30kHz_638000;23;CP-OFDM QPSK^Inner_Full:PC3	14.14	12.77
n48	638000	RF power output:n48_40MHz_30kHz_638000;24;CP-OFDM QPSK^Edge_1RB_Left:PC3	13.53	12.16
n48	638000	RF power output:n48_40MHz_30kHz_638000;25;CP-OFDM QPSK^Edge_1RB_Right:PC3	15.31	13.94
n48	638000	RF power output:n48_40MHz_30kHz_638000;26;CP-OFDM QPSK^Outer_Full:PC3	13.32	11.95
n48	638000	RF power output:n48_40MHz_30kHz_638000;27;CP-OFDM 16QAM^Inner_Full:PC3	14.65	13.28
n48	638000	RF power output:n48_40MHz_30kHz_638000;28;CP-OFDM 16QAM^Edge_1RB_Left:PC3	14.89	13.52
n48	638000	RF power output:n48_40MHz_30kHz_638000;29;CP-OFDM 16QAM^Edge_1RB_Right:PC3	14.62	13.25
n48	638000	RF power output:n48_40MHz_30kHz_638000;30;CP-OFDM 16QAM^Outer_Full:PC3	13.26	11.89
n48	638000	RF power output:n48_40MHz_30kHz_638000;31;CP-OFDM 64QAM^Edge_1RB_Left:PC3	13.54	12.17
n48	638000	RF power output:n48_40MHz_30kHz_638000;32;CP-OFDM 64QAM^Edge_1RB_Right:PC3	14.94	13.57
n48	638000	RF power output:n48_40MHz_30kHz_638000;33;CP-OFDM 64QAM^Outer_Full:PC3	13.57	12.2
n48	638000	RF power output:n48_40MHz_30kHz_638000;34;CP-OFDM 256QAM^Edge_1RB_Left:PC3	13.99	12.62
n48	638000	RF power output:n48_40MHz_30kHz_638000;35;CP-OFDM 256QAM^Edge_1RB_Right:PC3	14.18	12.81
n48	638000	RF power output:n48_40MHz_30kHz_638000;36;CP-OFDM 256QAM^Outer_Full:PC3	12.18	10.81

Band	Channel	TestItem	AVG Power	EIRP
n48	641666	RF power output:n48_40MHz_30kHz_641666;5;DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	15.66	14.29
n48	641666	RF power output:n48_40MHz_30kHz_641666;6;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	15.96	14.59
n48	641666	RF power output:n48_40MHz_30kHz_641666;7;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	13.38	12.01
n48	641666	RF power output:n48_40MHz_30kHz_641666;8;DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	14.03	12.66
n48	641666	RF power output:n48_40MHz_30kHz_641666;9;DFT-s-OFDM QPSK^Inner_Full:PC3	15.37	14
n48	641666	RF power output:n48_40MHz_30kHz_641666;10;DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	15.08	13.71
n48	641666	RF power output:n48_40MHz_30kHz_641666;11;DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	15.66	14.29
n48	641666	RF power output:n48_40MHz_30kHz_641666;12;DFT-s-OFDM QPSK^Outer_Full:PC3	14.56	13.19
n48	641666	RF power output:n48_40MHz_30kHz_641666;13;DFT-s-OFDM 16QAM^Inner_Full:PC3	15.14	13.77
n48	641666	RF power output:n48_40MHz_30kHz_641666;14;DFT-s-OFDM 16QAM^Edge_1RB_Left:PC3	15.63	14.26
n48	641666	RF power output:n48_40MHz_30kHz_641666;15;DFT-s-OFDM 16QAM^Edge_1RB_Right:PC3	14.22	12.85
n48	641666	RF power output:n48_40MHz_30kHz_641666;16;DFT-s-OFDM 16QAM^Outer_Full:PC3	14.3	12.93
n48	641666	RF power output:n48_40MHz_30kHz_641666;17;DFT-s-OFDM 64QAM^Edge_1RB_Left:PC3	15.53	14.16
n48	641666	RF power output:n48_40MHz_30kHz_641666;18;DFT-s-OFDM 64QAM^Edge_1RB_Right:PC3	15.55	14.18
n48	641666	RF power output:n48_40MHz_30kHz_641666;19;DFT-s-OFDM 64QAM^Outer_Full:PC3	15.04	13.67
n48	641666	RF power output:n48_40MHz_30kHz_641666;20;DFT-s-OFDM 256QAM^Edge_1RB_Left:PC3	15.56	14.19
n48	641666	RF power output:n48_40MHz_30kHz_641666;21;DFT-s-OFDM 256QAM^Edge_1RB_Right:PC3	13.46	12.09
n48	641666	RF power output:n48_40MHz_30kHz_641666;22;DFT-s-OFDM 256QAM^Outer_Full:PC3	13.77	12.4
n48	641666	RF power output:n48_40MHz_30kHz_641666;23;CP-OFDM QPSK^Inner_Full:PC3	16.01	14.64
n48	641666	RF power output:n48_40MHz_30kHz_641666;24;CP-OFDM QPSK^Edge_1RB_Left:PC3	14.54	13.17
n48	641666	RF power output:n48_40MHz_30kHz_641666;25;CP-OFDM QPSK^Edge_1RB_Right:PC3	14.59	13.22
n48	641666	RF power output:n48_40MHz_30kHz_641666;26;CP-OFDM QPSK^Outer_Full:PC3	14.18	12.81
n48	641666	RF power output:n48_40MHz_30kHz_641666;27;CP-OFDM 16QAM^Inner_Full:PC3	14.24	12.87
n48	641666	RF power output:n48_40MHz_30kHz_641666;28;CP-OFDM 16QAM^Edge_1RB_Left:PC3	14.1	12.73
n48	641666	RF power output:n48_40MHz_30kHz_641666;29;CP-OFDM 16QAM^Edge_1RB_Right:PC3	14.41	13.04
n48	641666	RF power output:n48_40MHz_30kHz_641666;30;CP-OFDM 16QAM^Outer_Full:PC3	14.07	12.7
n48	641666	RF power output:n48_40MHz_30kHz_641666;31;CP-OFDM 64QAM^Edge_1RB_Left:PC3	14.73	13.36
n48	641666	RF power output:n48_40MHz_30kHz_641666;32;CP-OFDM 64QAM^Edge_1RB_Right:PC3	14.96	13.59
n48	641666	RF power output:n48_40MHz_30kHz_641666;33;CP-OFDM 64QAM^Outer_Full:PC3	13.89	12.52
n48	641666	RF power output:n48_40MHz_30kHz_641666;34;CP-OFDM 256QAM^Edge_1RB_Left:PC3	15.6	14.23
n48	641666	RF power output:n48_40MHz_30kHz_641666;35;CP-OFDM 256QAM^Edge_1RB_Right:PC3	15.31	13.94
n48	641666	RF power output:n48_40MHz_30kHz_641666;36;CP-OFDM 256QAM^Outer_Full:PC3	12.73	11.36

Band	Channel	TestItem	AVG Power	EIRP
n48	645332	RF power output:n48_40MHz_30kHz_645332;5;DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	14.62	13.25
n48	645332	RF power output:n48_40MHz_30kHz_645332;6;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	14.21	12.84
n48	645332	RF power output:n48_40MHz_30kHz_645332;7;DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	15.21	13.84
n48	645332	RF power output:n48_40MHz_30kHz_645332;8;DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	14.46	13.09
n48	645332	RF power output:n48_40MHz_30kHz_645332;9;DFT-s-OFDM QPSK^Inner_Full:PC3	14.37	13
n48	645332	RF power output:n48_40MHz_30kHz_645332;10;DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	15.56	14.19
n48	645332	RF power output:n48_40MHz_30kHz_645332;11;DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	13.97	12.6
n48	645332	RF power output:n48_40MHz_30kHz_645332;12;DFT-s-OFDM QPSK^Outer_Full:PC3	14.32	12.95
n48	645332	RF power output:n48_40MHz_30kHz_645332;13;DFT-s-OFDM 16QAM^Inner_Full:PC3	14.48	13.11
n48	645332	RF power output:n48_40MHz_30kHz_645332;14;DFT-s-OFDM 16QAM^Edge_1RB_Left:PC3	14.9	13.53
n48	645332	RF power output:n48_40MHz_30kHz_645332;15;DFT-s-OFDM 16QAM^Edge_1RB_Right:PC3	14.7	13.33
n48	645332	RF power output:n48_40MHz_30kHz_645332;16;DFT-s-OFDM 16QAM^Outer_Full:PC3	14.63	13.26
n48	645332	RF power output:n48_40MHz_30kHz_645332;17;DFT-s-OFDM 64QAM^Edge_1RB_Left:PC3	15.14	13.77
n48	645332	RF power output:n48_40MHz_30kHz_645332;18;DFT-s-OFDM 64QAM^Edge_1RB_Right:PC3	14.33	12.96
n48	645332	RF power output:n48_40MHz_30kHz_645332;19;DFT-s-OFDM 64QAM^Outer_Full:PC3	13.95	12.58
n48	645332	RF power output:n48_40MHz_30kHz_645332;20;DFT-s-OFDM 256QAM^Edge_1RB_Left:PC3	16.45	15.08
n48	645332	RF power output:n48_40MHz_30kHz_645332;21;DFT-s-OFDM 256QAM^Edge_1RB_Right:PC3	14.12	12.75
n48	645332	RF power output:n48_40MHz_30kHz_645332;22;DFT-s-OFDM 256QAM^Outer_Full:PC3	14	12.63
n48	645332	RF power output:n48_40MHz_30kHz_645332;23;CP-OFDM QPSK^Inner_Full:PC3	14.19	12.82
n48	645332	RF power output:n48_40MHz_30kHz_645332;24;CP-OFDM QPSK^Edge_1RB_Left:PC3	15.88	14.51
n48	645332	RF power output:n48_40MHz_30kHz_645332;25;CP-OFDM QPSK^Edge_1RB_Right:PC3	14.6	13.23
n48	645332	RF power output:n48_40MHz_30kHz_645332;26;CP-OFDM QPSK^Outer_Full:PC3	13.5	12.13
n48	645332	RF power output:n48_40MHz_30kHz_645332;27;CP-OFDM 16QAM^Inner_Full:PC3	14.95	13.58
n48	645332	RF power output:n48_40MHz_30kHz_645332;28;CP-OFDM 16QAM^Edge_1RB_Left:PC3	14.77	13.4
n48	645332	RF power output:n48_40MHz_30kHz_645332;29;CP-OFDM 16QAM^Edge_1RB_Right:PC3	16.13	14.76
n48	645332	RF power output:n48_40MHz_30kHz_645332;30;CP-OFDM 16QAM^Outer_Full:PC3	13.96	12.59
n48	645332	RF power output:n48_40MHz_30kHz_645332;31;CP-OFDM 64QAM^Edge_1RB_Left:PC3	14.73	13.36
n48	645332	RF power output:n48_40MHz_30kHz_645332;32;CP-OFDM 64QAM^Edge_1RB_Right:PC3	14.57	13.2
n48	645332	RF power output:n48_40MHz_30kHz_645332;33;CP-OFDM 64QAM^Outer_Full:PC3	13.77	12.4
n48	645332	RF power output:n48_40MHz_30kHz_645332;34;CP-OFDM 256QAM^Edge_1RB_Left:PC3	13.93	12.56
n48	645332	RF power output:n48_40MHz_30kHz_645332;35;CP-OFDM 256QAM^Edge_1RB_Right:PC3	15.41	14.04
n48	645332	RF power output:n48_40MHz_30kHz_645332;36;CP-OFDM 256QAM^Outer_Full:PC3	12.58	11.21

APPENDIX B - OCCUPIED BANDWIDTH

LTE Band 48_5MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
55265	3552.5	4.4962	4.5010	4.5304	4.5347	4.944	4.918	5.390	5.297
55990	3625.0	4.4988	4.5013	4.5300	4.5238	4.911	4.923	5.314	5.470
56715	3697.5	4.5050	4.4964	4.5158	4.5275	4.945	4.907	5.102	5.299



LTE Band 48_10MHz									
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				26dB Bandwidth (MHz)			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
55290	3555.0	9.0066	8.9839	9.0119	8.9856	9.636	9.722	9.609	9.582
55990	3625.0	8.9884	9.0015	9.0001	8.9861	9.649	9.519	9.624	9.581
56690	3695.0	8.9854	9.0032	8.9936	9.0001	9.590	9.595	9.537	9.658

