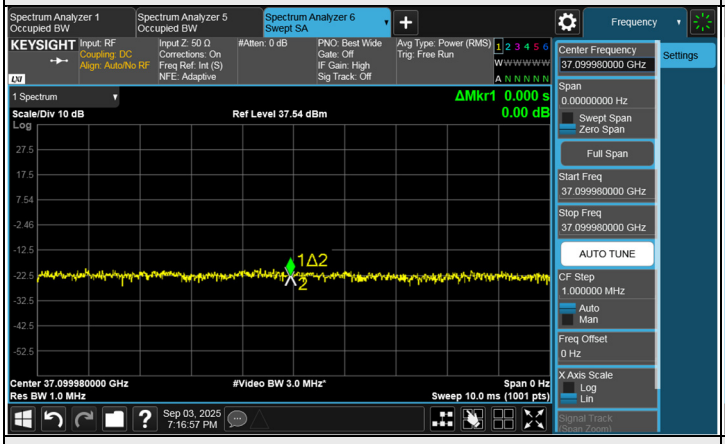
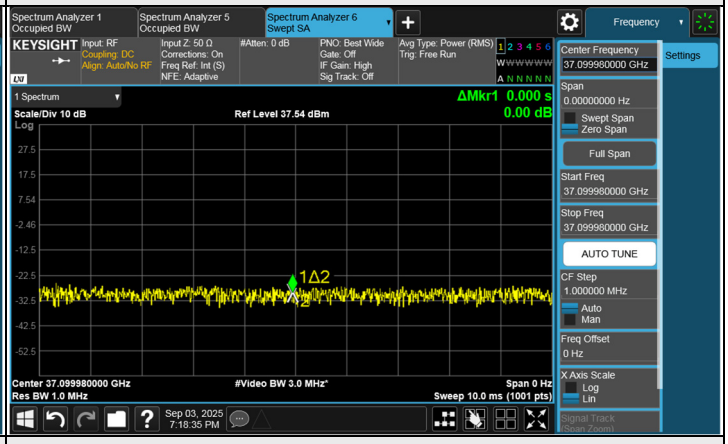
2CC

BPSK	QPSK
	
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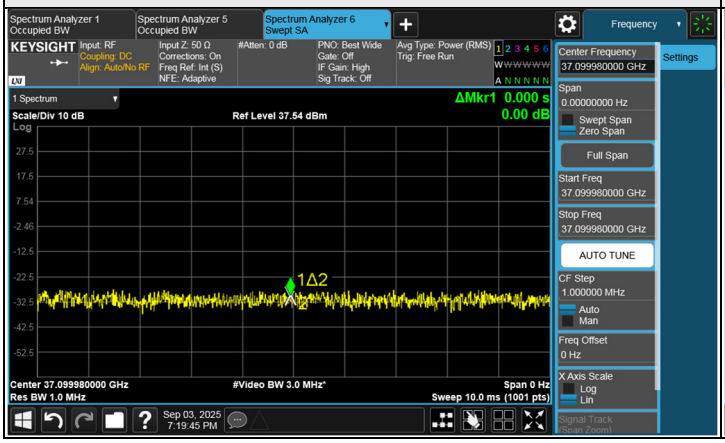
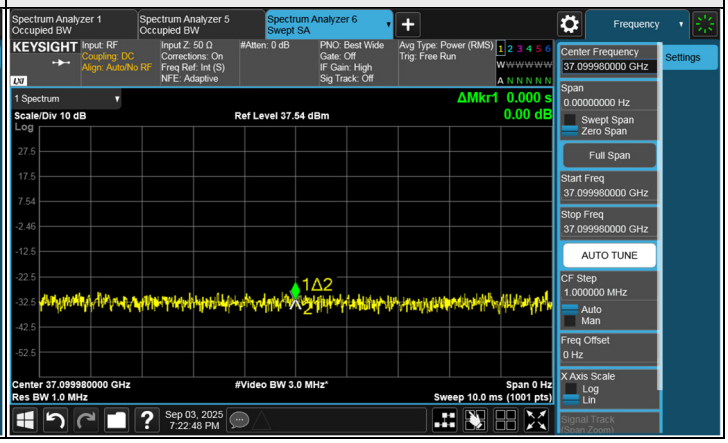
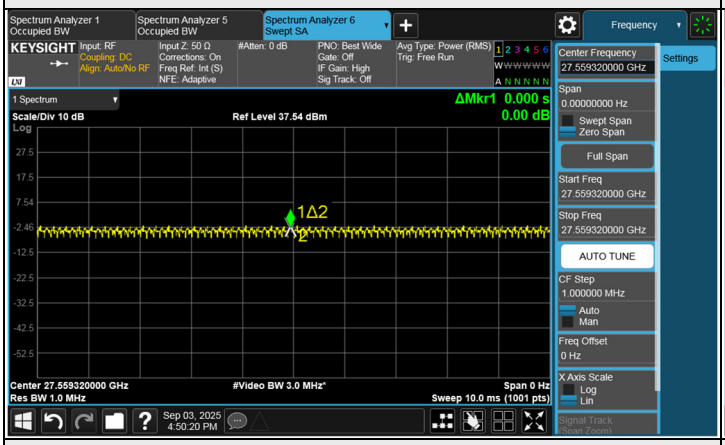
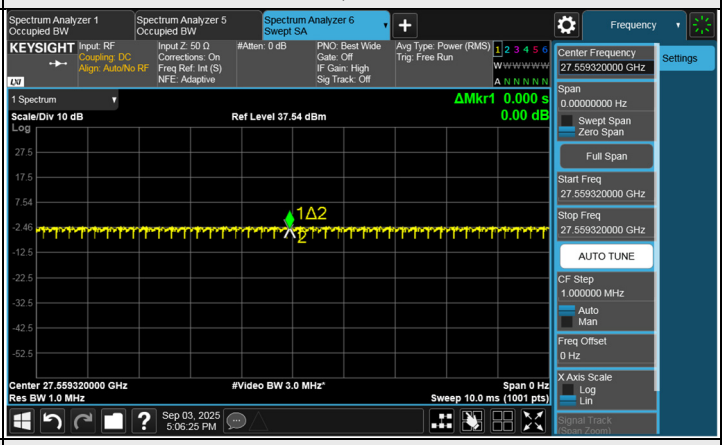
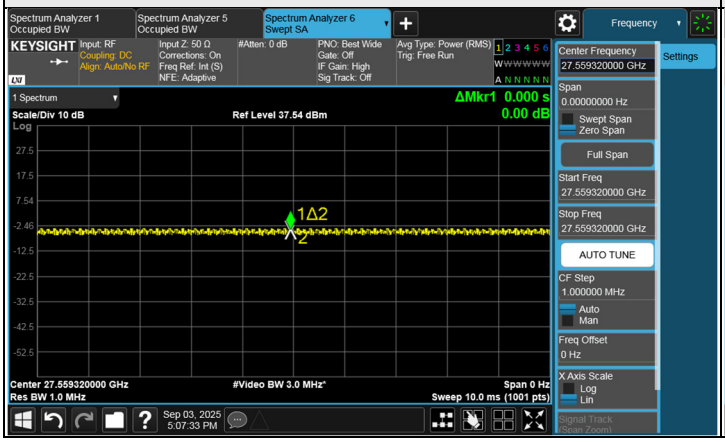
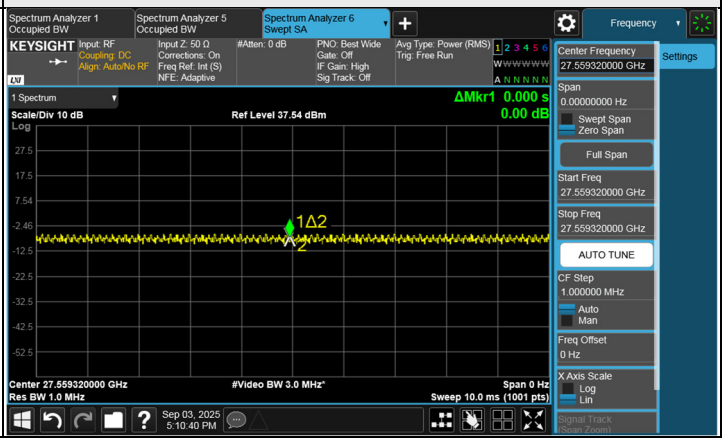
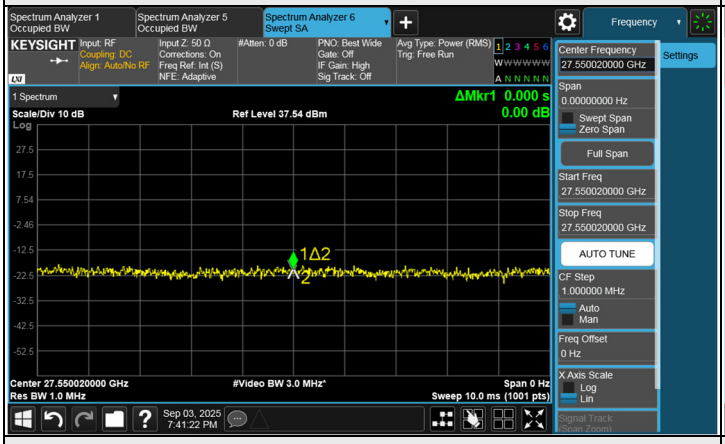
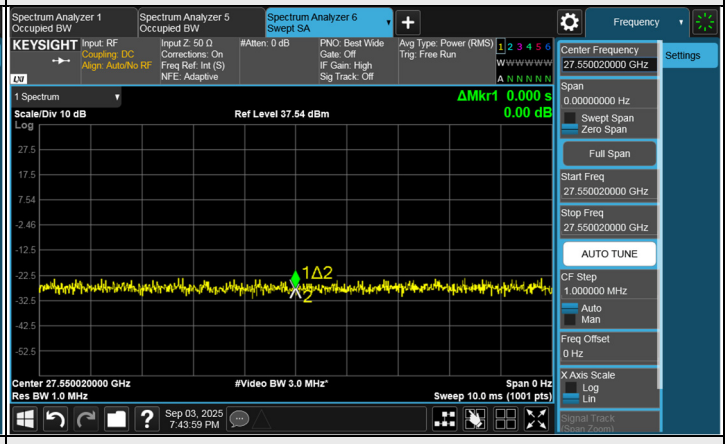
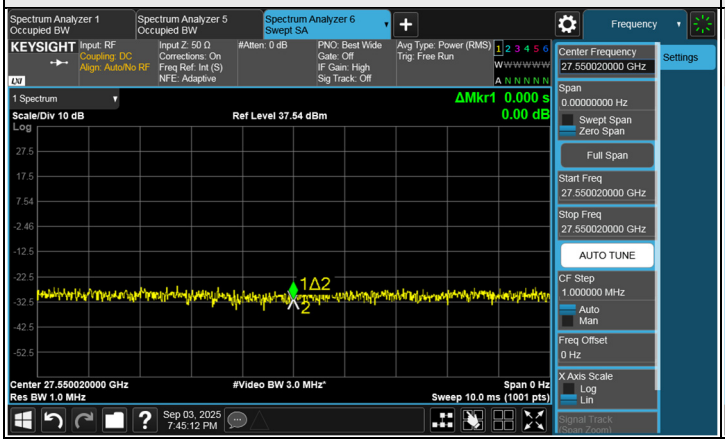
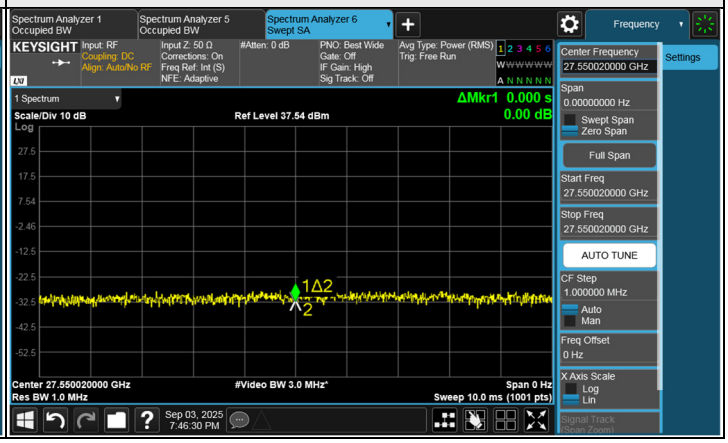
	

n261

1CC

BPSK	QPSK
	
16QAM	**64QAM**
	

2CC

BPSK	QPSK
	
16QAM	**64QAM**
	

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 Effective Radiated Power and Equivalent Isotropically Radiated Power / Maximum EIRP

For n258, n260, n261:

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower KaiTuo	NA	NA	NA	NA
Antenna Tower Controller KaiTuo	KT-2000	NA	NA	NA
Turn Table Max-Full	MFT-151SS-0.5T	NA	NA	NA
Turn Table Controller Max-Full	MF-7802BS	MF780208675	NA	NA
Radio Communication Test Station Anritsu	MT8000A	6262012865	2024/12/18	2025/12/17
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
PXA Signal Analyzer Keysight	N9030B	MY57140488	2025/3/11	2026/3/10
Horn Antenna RFSPIN	DRH18-E	210104A18E	2024/11/10	2025/11/9
Preamplifier EMCI	EMC118A45SE	980810	2024/12/26	2025/12/25
RF Coaxial Cable EMCI	EMC104-SM-SM-9000	201230	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC104-SM-SM-3000	201242	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC104-SM-SM-1000	210101	2025/1/14	2026/1/13
Preamplifier EMCI	EMC184045SE	980787	2025/1/14	2026/1/13
Horn Antenna Schwarzbeck	BBHA 9170	9170-1048	2024/11/10	2025/11/9
RF Coaxial Cable EMCI	EMC101G-KM-KM-5000	201261	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC101G-KM-KM-3000	201258	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2025/1/14	2026/1/13

Notes:

1. The test was performed in WM - 966 chamber 7.
2. Tested Date: 2025/8/28 ~ 2025/9/4

For LTE Band 2, LTE Band 5, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 30, LTE Band 48, LTE Band 66:

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2025/4/8	2026/4/7
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:
1. The test was performed in Oven room.
2. Tested Date: 2025/8/28

4.2 Peak to Average Ratio

For LTE Band 2:

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2025/4/8	2026/4/7
Software BV	ADT_RF Test Software V6.6.5.4	N/A	N/A	N/A

Notes:
1. The test was performed in Oven room.
2. Tested Date: 2025/8/21

4.3 Occupied Bandwidth

For n258, n260, n261:

Refer to section 4.1 to get information of the instruments.

For LTE Band 2:

Refer to section 4.2 to get information of the instruments.

4.4 Out-of-Band Emission at the Band Edge

For n258, n260, n261:

Refer to section 4.1 to get information of the instruments.

4.5 Conducted Spurious Emissions

For LTE Band 2:

Refer to section 4.2 to get information of the instruments.

4.6 Out-of-Band Spurious Emissio / Radiated Spurious Emissions

For Below 40GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower KaiTuo	NA	NA	NA	NA
Antenna Tower Controller KaiTuo	KT-2000	NA	NA	NA
Turn Table Max-Full	MFT-151SS-0.5T	NA	NA	NA
Turn Table Controller Max-Full	MF-7802BS	MF780208675	NA	NA
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
PXA Signal Analyzer Keysight	N9030B	MY57140488	2025/3/11	2026/3/10
Loop Antenna TESEQ	HLA 6121	64095	2024/10/17	2025/10/16
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-9000	201252(with PAD)	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-3000	201250	2025/1/14	2026/1/13
Preamplifier EMCI	EMC330N	980783	2025/1/14	2026/1/13
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-995	2024/10/9	2025/10/8
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201245	2025/1/14	2026/1/13
Horn Antenna RFSPIN	DRH18-E	210104A18E	2024/11/10	2025/11/9
Preamplifier EMCI	EMC118A45SE	980810	2024/12/26	2025/12/25
RF Coaxial Cable EMCI	EMC104-SM-SM-9000	201230	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC104-SM-SM-3000	201242	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC104-SM-SM-1000	210101	2025/1/14	2026/1/13
Preamplifier EMCI	EMC184045SE	980787	2025/1/14	2026/1/13
Horn Antenna Schwarzbeck	BBHA 9170	9170-1048	2024/11/10	2025/11/9
RF Coaxial Cable EMCI	EMC101G-KM-KM-5000	201261	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC101G-KM-KM-3000	201258	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2025/1/14	2026/1/13

For Above 40GHz:

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
PXA Signal Analyzer Keysight	N9030B	MY57140488	2025/3/11	2026/3/10
*Antenna_Horn oxe89 QUINSTAR	QWH-QPRR00	QWH-QPRR00-2	2024/04/09	2026/04/08
*Antenna_Horn Conical Keysight	WR15CH-Conical	RCHO15RL-1	2024/04/09	2026/04/08
*Antenna_Horn Conical Keysight	WR10CH-Conical	RCHO10RL-2	2024/04/09	2026/04/08
*Antenna_Horn Conical Keysight	WR6.5CH-Conical	RCH06RL-1	2024/04/09	2026/04/08
*Antenna_Horn Conical	WR5.1CH-Conical	RCH05RL-1	2024/04/09	2026/04/08
*Antenna_Horn Diagonal Keysight	WR3.4DH-Diagonal	WR3.4DHR4 5-12	2024/04/09	2026/04/08
Extension Module_down converter VDI	N9029AV15	SAX 381	CoC	CoC
Extension Module_down converter VDI	N9029AV10	SAX 378	CoC	CoC
*Extension Module_down converter VDI	N9029AV06	SAX723	2024/04/16	2026/04/15
*Extension Module_down converter VDI	N9029AV05	SAX722	2024/04/16	2026/04/15
*Extension Module_down converter VDI	N9029AV03	SAX721	2024/09/19	2026/09/18
*Extension Module_up converter VDI	E8257DV10	SGX647	2024/04/16	2026/04/15
*Extension Module_up converter VDI	E8257DV06	SGX645	2024/04/16	2026/04/15
*Extension Module_up converter VDI	E8257DV05	SGX644	2024/04/16	2026/04/15
*Extension Module_up converter VDI	E8257DV03	SGX643	2024/04/16	2026/04/15
*Power Meter VDI	PM5B	571V	2024/04/16	2026/04/15
Amplifier_(33~55GHz) Quinstart	QLW-33505050-R0	1660800008	CoC	CoC
Amplifier_(50~75GHz) ERAVANT	SBL-5037535050-1515-E1	10337-01	CoC	CoC
Amplifier_(75~110GHz) ERAVANT	SBL-7531143550-1010-E1	10338-01	CoC	CoC
Amplifier_(110~170GHz) ERAVANT	SBL-1141741860-0606-EI	10339-01	CoC	CoC
Amplifier (140-220GHz) TRANSCOMM	THZLNA-05FB	202008001	CoC	CoC

Notes:

1. The test was performed in WM - 966 chamber 7.
2. Tested Date: 2025/8/28 ~ 2025/9/4

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power / Maximum EIRP

For n258, n260, n261:

Device		Maximum Limit of EIRP
☐	Fixed and Base Stations	EIRP 75dBm/100MHz (sum of all antenna elements)
☒	Mobile Stations	EIRP 43dBm (sum of all antenna elements)
☐	Transportable Stations	EIRP 55dBm (sum of all antenna elements)

For LTE Band 2:

Mobile and portable stations are limited to 2 watts EIRP.

For LTE Band 5:

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

For LTE Band 12:

Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

For LTE Band 13:

Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

For LTE Band 14:

Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

For LTE Band 30:

For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

For LTE Band 48:

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

For LTE Band 66:

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

5.2 Peak to Average Ratio

For LTE Band 2:

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

5.3 Occupied Bandwidth

For n258, n260, n261:

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

For LTE Band 2:

According to FCC 47 CFR part 2.1049, the occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5% of the total mean power radiated by a given emission.

5.4 Out-of-Band Emission at the Band Edge

For n258, n260, n261:

The conducted power or the total radiated power of any emission outside a licensee's frequency block shall be −13 dBm/MHz or lower. However, in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth, the conducted power or the total radiated power of any emission shall be −5 dBm/MHz or lower.

5.5 Conducted Spurious Emissions

For LTE Band 2:

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

5.6 Out-of-Band Spurious Emissio / Radiated Spurious Emissions

For n258, n260, n261:

The conducted power or the total radiated power of any emission outside a licensee's frequency block shall be −13 dBm/MHz or lower. However, in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth, the conducted power or the total radiated power of any emission shall be −5 dBm/MHz or lower.

For LTE Band 2:

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

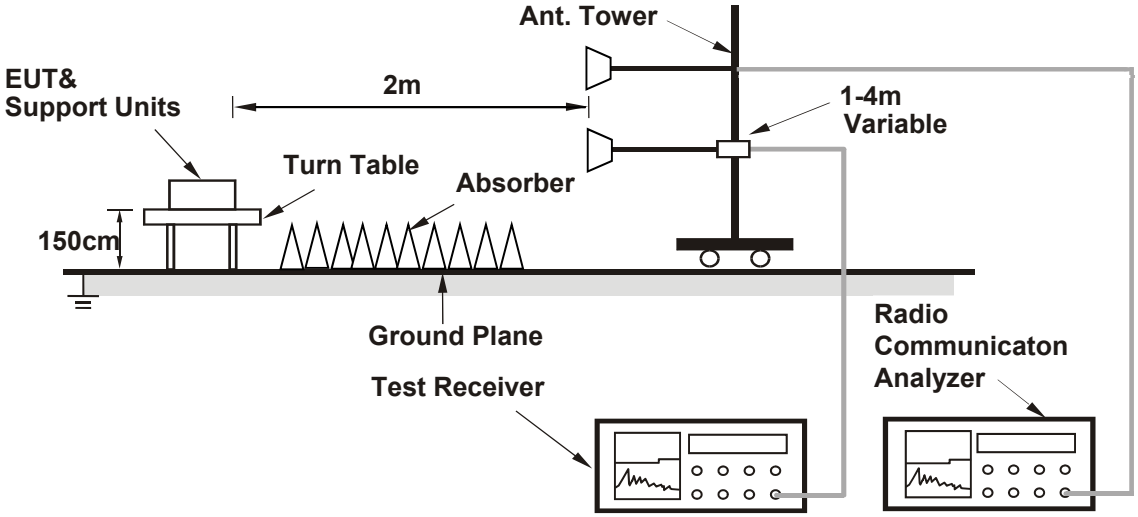
6 Test Arrangements

6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power / Maximum EIRP

6.1.1 Test Setup

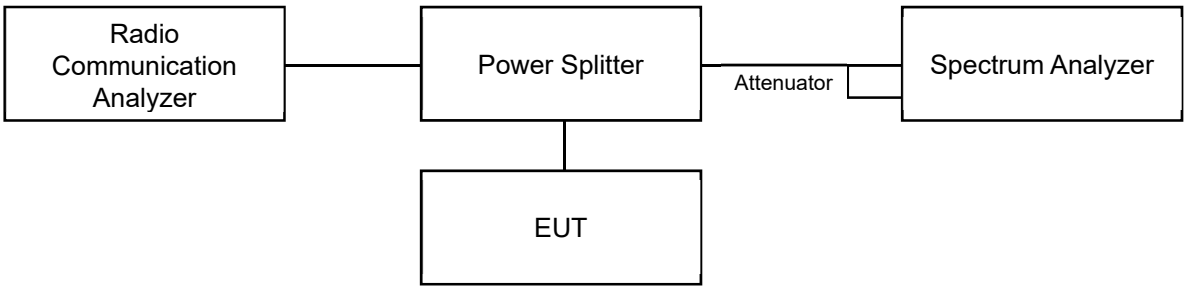
For n258, n260, n261:

Test site-up for radiated ERP and/or EIRP measurements



For LTE Band 2, LTE Band 5, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 30, LTE Band 48, LTE Band 66:

Conducted Power Measurement:



6.1.2 Test Procedure

For n258, n260, n261:

Equivalent Isotropic Radiated Power (EIRP) measurement s are performed using broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

The average power of the sum of all antenna elements is limited to a maximum EIRP of + 43dBm.

Test Procedures Used

ANSI C63.26-2015 Section 5.2.4.4.1
KDB 842590 D01 v01r02 Section 4.2

Measurement Distance

EUT antenna of far field distance		
Measurement Frequency range	Far Field calculation distance	Measurement Distance (Far field)
Below 18GHz	0.07m	3m
18GHz to 40GHz	0.15m	2m
40GHz to 200GHz	0.15m to 0.77m	1m
Note: EUT Antenna Dimension is 23.8mm x 3.50mm x 2.14mm rectangular		
Measurement antenna of far field distance		
Measurement Frequency range	Far Field calculation distance	Measurement Distance (Far field)
40GHz-50GHz	30mm	1m
50GHz-75GHz	25mm	1m
75GHz-110GHz	18mm	1m
110GHz-170GHz	12mm	1m
170GHz-200GHz	8mm	1m

Test Settings

a. Radiated power measurements were performed using the spectrum analyzer's channel power measurement function.
b. Set the RBW =1~5% of the anticipated RBW=1MHz, and the VBW ≥ 3 x RBW.
c. Set spectrum analyzer detection mode to RMS
d. Span = 2x to 3x the OBW
e. No. of sweep points ≥ 2 x span / RBW
f. Trigger is set to "free run" for test signals with continuous operation with the sweep times set to "auto". Trigger is set to enable triggering only on full power bursts with the sweep time set less that or equal to the transmission burst duration.
g. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation. For signal with burst transmission, the "gating" function was enabled to ensure that measurements were performed during times in which the transmitter is operating at its maximum power.
h. Trace mode = trace averaging (RMS) over 100 sweeps.
i. The trace was allowed to stabilize.

Note:

1. EIRP measurements were taken at 2m test distance.
2. The average EIRP reported below is calculated per section 5.2.7 of ANSI C63.26-2015 which states: EIRP (dBm) = E (dBμV/m) + 20log(D) – 104.8; where D is the measurement distance (in the far field region) in m. The field strength E is calculated E (dBμV/m) = Spectrum Analyzer Channel Power Level (dBm) + Antenna Factor (dB/m) + Cable Loss (dB) + 107.

For LTE Band 2, LTE Band 5, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 30, LTE Band 48, LTE Band 66:

Conducted Power Measurement:

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology. The power measurement was performed on emulator and power value was measured from power function on emulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

Measurement method refers to ANSI C63.26 section 5.2.4.4.

a. Set span to 2 × to 3 × the OBW.
b. Set RBW = 1% to 5% of the OBW.
c. Set VBW ≥ 3 × RBW.
d. Set number of measurement points in sweep ≥ 2 × span / RBW.
e. Set Sweep time = auto-couple.
f. Detector = power averaging (rms).
g. Set sweep trigger to “free run.”
h. Trace average at least 100 traces in power averaging (rms) mode.
i. 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.
j. If Duty cycle < 98%, Add 10 log (1/duty cycle) to the measured power level to compute the average power during continuous transmission.
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. (For LTE Band 48 only)

Maximum EIRP / ERP

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$EIRP = P_{Meas} + G_T$

$ERP = P_{Meas} + G_T - 2.15$

where

ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, e.g., dBm or dBW)

P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_T gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

For connected mode, the Radio Communication Analyzer establishes connection with the EUT after the following configuration:

Setup of LTE

- Set test Band
- Set test Modulation
- Set test Bandwidth
- Set test Channel
- Set test RB Size and RB Offset
- Set appropriate Power offset

Setup of NR FR2

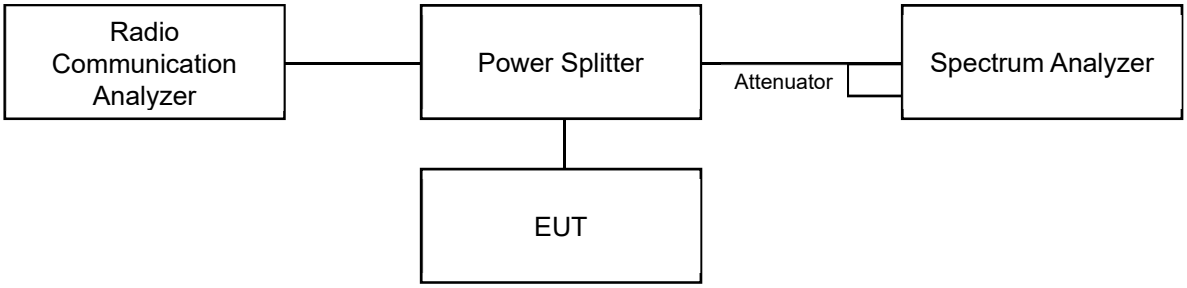
- Set test Band
- Set test Modulation
- Set test Bandwidth
- Set test Component Carriers
- Set test Channel
- Set test RB Size and RB Offset

For detailed test settings, please refer to Section 3.3

6.2 Peak to Average Ratio

6.2.1 Test Setup

For LTE Band 2



6.2.2 Test Procedure

For LTE Band 2

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%.

For connected mode, the Radio Communication Analyzer establishes connection with the EUT after the following configuration:
Setup of LTE

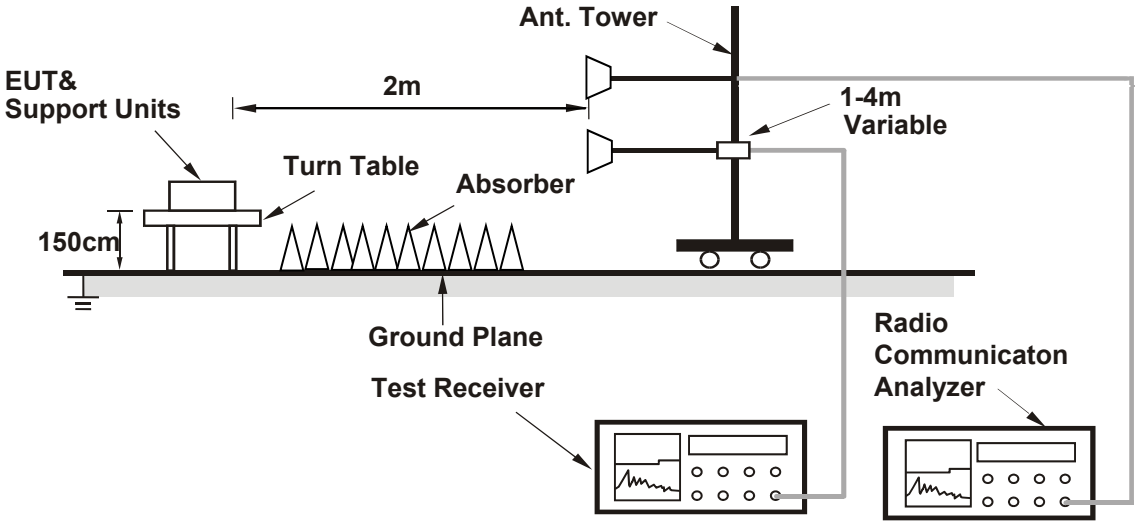
- Set test Band
- Set test Modulation
- Set test Bandwidth
- Set test Channel
- Set test RB Size and RB Offset
- Set appropriate Power offset

For detailed test settings, please refer to Section 3.3

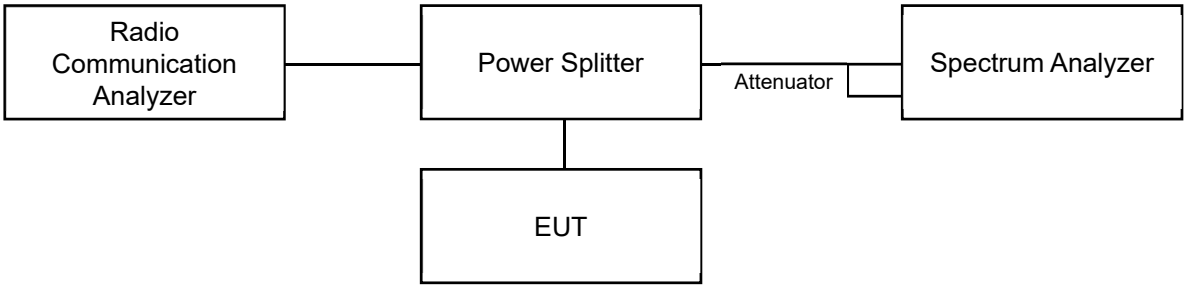
6.3 Occupied Bandwidth

6.3.1 Test Setup

For n258, n260, n261:



For LTE Band 2



6.3.2 Test Procedure

For n258, n260, n261:

a. The spectrum analyzer's automatic bandwidth measurement function was used to perform the 99% occupied bandwidth and the 26 dB bandwidth measurement.
b. Set the RBW =1~5% of the anticipated OBW, and the VBW≥3 x RBW.
c. Set spectrum analyzer detection mode to peak, and the trace mode to max hold
d. Sweep = auto couple
e. Record the test plots and test results.

For LTE Band 2

For the 26 dBc bandwidth measurement method, please refer to section 5.4.3 of ANSI C63.26.

a. 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.
b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.
c. 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. See guidance provided in 4.2.3.
d. 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.
e. Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
f. Determine the following reference values: 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).
g. 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.
h. 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 amplitude" determined in step f). If a marker is below this "−X dB amplitude" value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers.
i. The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

For the occupied bandwidth measurement method, please refer to section 5.4.4 of ANSI C63.26.

a. 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.
b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.
c. 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. See guidance provided in 4.2.3.
d. 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.
e. Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
f. Determine the reference value by either of the following:
g. 1) 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).
h. 2) Set the EUT to transmit an unmodulated carrier. Set the spectrum analyzer marker to the level of the carrier.
i. 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.
j. If the reference value was determined using an unmodulated carrier, turn the EUT modulation on, then either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise the trace from step f) shall be used for step i).
k. 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 amplitude" determined in step f). If a marker is below this "−X dB amplitude" value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers. The spectral envelope can cross the "−X dB amplitude" at multiple points. The lowest or highest frequency shall be selected as the frequencies that are the farthest away from the center frequency at which the spectral envelope crosses the "−X dB amplitude."
l. The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

For connected mode, the Radio Communication Analyzer establishes connection with the EUT after the following configuration:

Setup of LTE

- Set test Band
- Set test Modulation
- Set test Bandwidth
- Set test Channel
- Set test RB Size and RB Offset
- Set appropriate Power offset

Setup of NR FR2

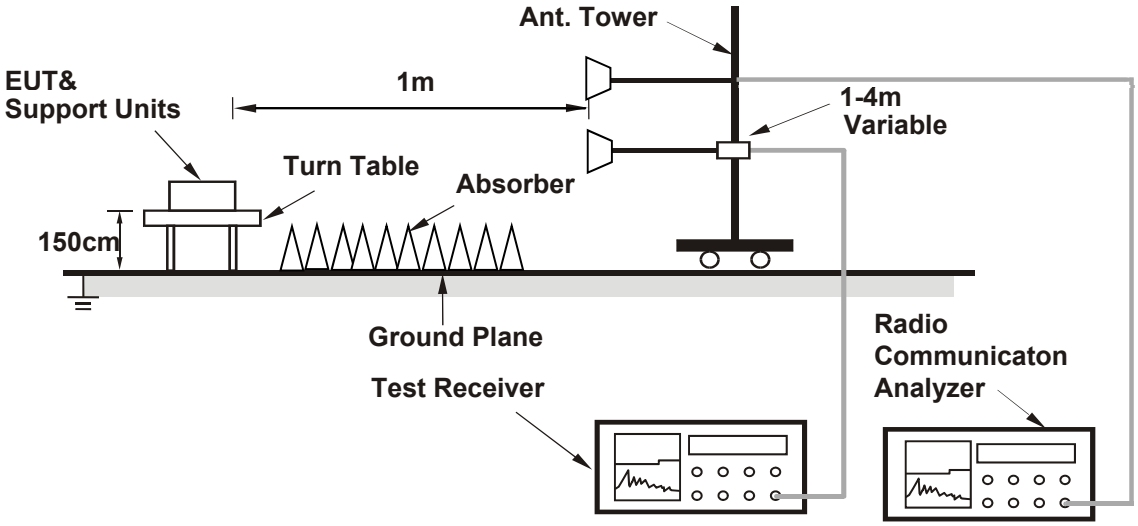
- Set test Band
- Set test Modulation
- Set test Bandwidth
- Set test Component Carriers
- Set test Channel
- Set test RB Size and RB Offset

For detailed test settings, please refer to Section 3.3

6.4 Out-of-Band Emission at the Band Edge

6.4.1 Test Setup

For n258, n260, n261:



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

6.4.2 Test Procedure

For n258, n260, n261:

Refer to ANSI C63.26-2015 Section 5 and ANSI C63.26-2015 Section 6.4
KDB 842590 D01 v01r02 Section 4.4.2.5.

Note: Substitution method is used for E.I.R.P measurement.

For connected mode, the Radio Communication Analyzer establishes connection with the EUT after the following configuration:
Setup of NR FR2

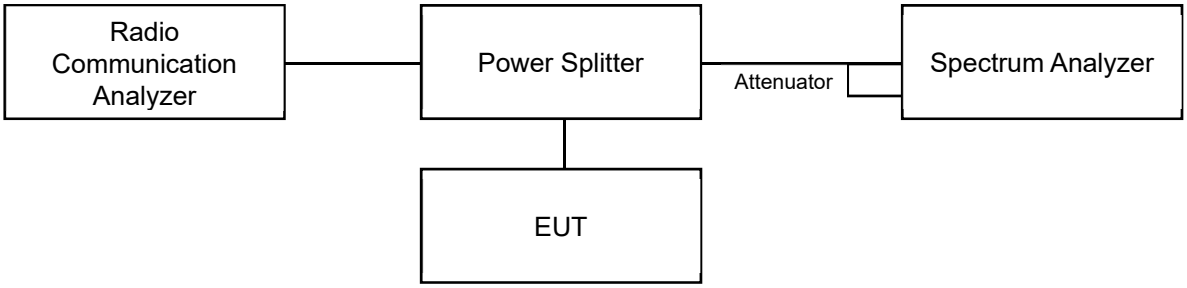
- Set test Band
- Set test Modulation
- Set test Bandwidth
- Set test Component Carriers
- Set test Channel
- Set test RB Size and RB Offset

For detailed test settings, please refer to Section 3.3

6.5 Conducted Spurious Emissions

6.5.1 Test Setup

For LTE Band 2



6.5.2 Test Procedure

For LTE Band 2

a. Measurement refer to ANSI C63.26 section 5.7.
b. All measurements were done at 3 channels: low, middle and high operational frequency range.
c. Measuring frequency range is from 9 kHz up to the tenth harmonic of the hightest fundamental frequency or to 40 GHz, whichever is lower. 20 dB attenuation pad is connected with spectrum.
d. The fundamental frequency above 1 GHz, the spectrum set RBW = 1 MHz, VBW = 3 MHz, Detector = Average.
e. The fundamental frequency below 1 GHz, the spectrum set RBW ≥ 100 kHz, VBW ≥ 3 x RBW, Detector = Average.
f. Measuring frequency band edge, narrow RBW (no less than 1% of the OBW) is used for conducted emission measurement.

For connected mode, the Radio Communication Analyzer establishes connection with the EUT after the following configuration:
Setup of LTE

- Set test Band
- Set test Modulation
- Set test Bandwidth
- Set test Channel
- Set test RB Size and RB Offset
- Set appropriate Power offset

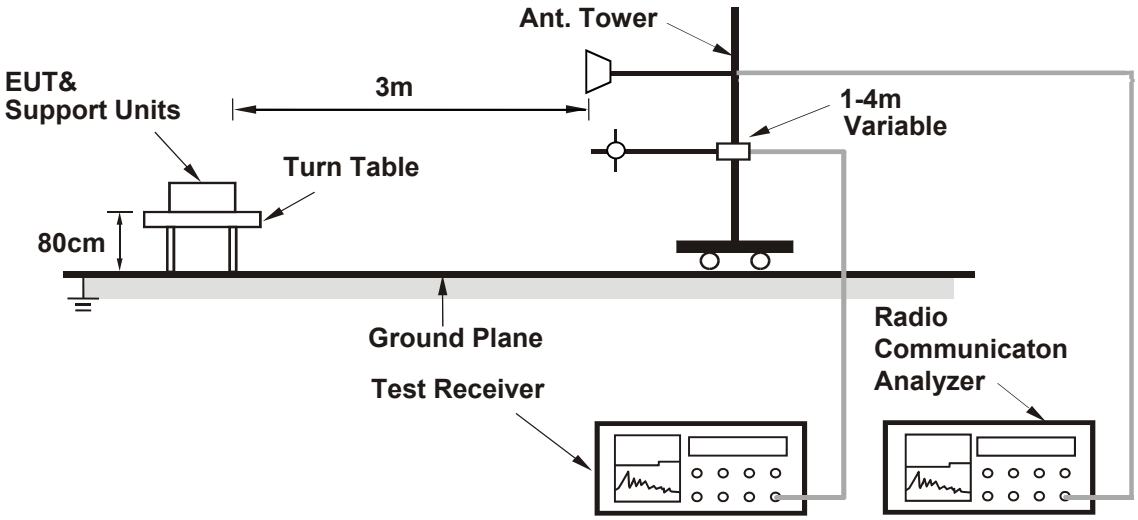
For detailed test settings, please refer to Section 3.3

6.6 Out-of-Band Spurious Emissio / Radiated Spurious Emissions

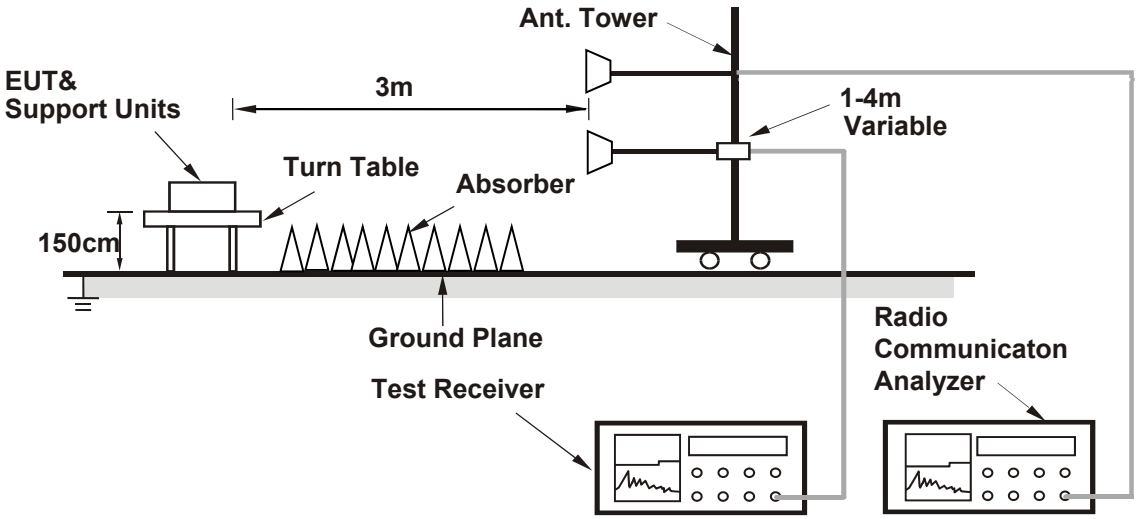
6.6.1 Test Setup

For n258, n260, n261:

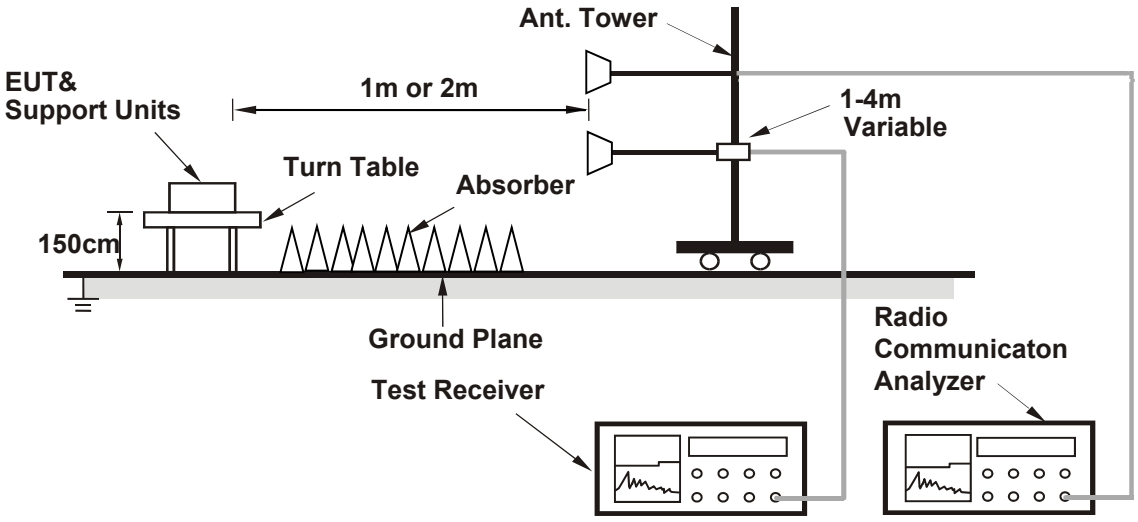
For radiated emission 30 MHz to 1 GHz



For radiated emission 1 GHz ~ 18 GHz



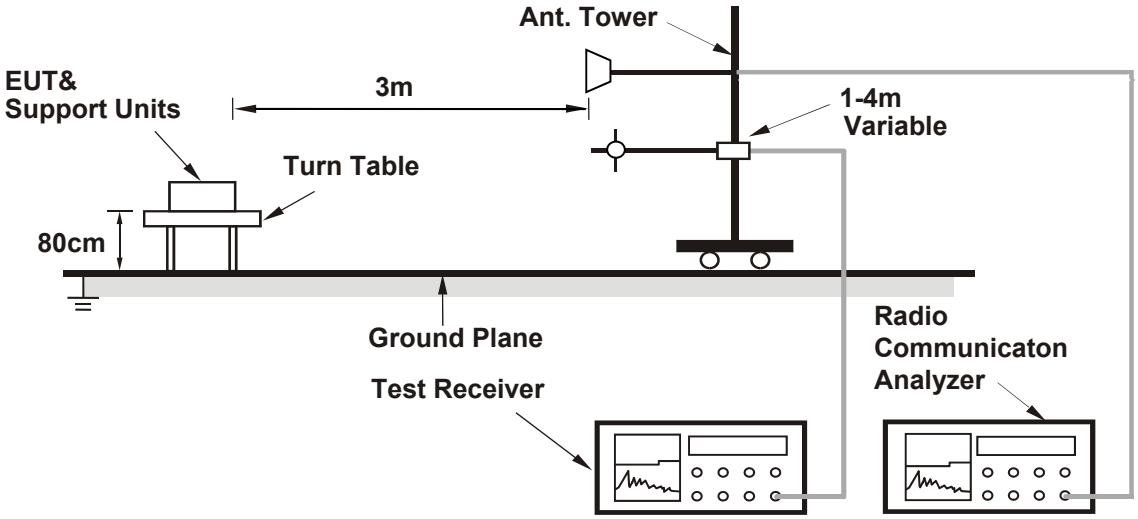
For radiated emission above 18 GHz



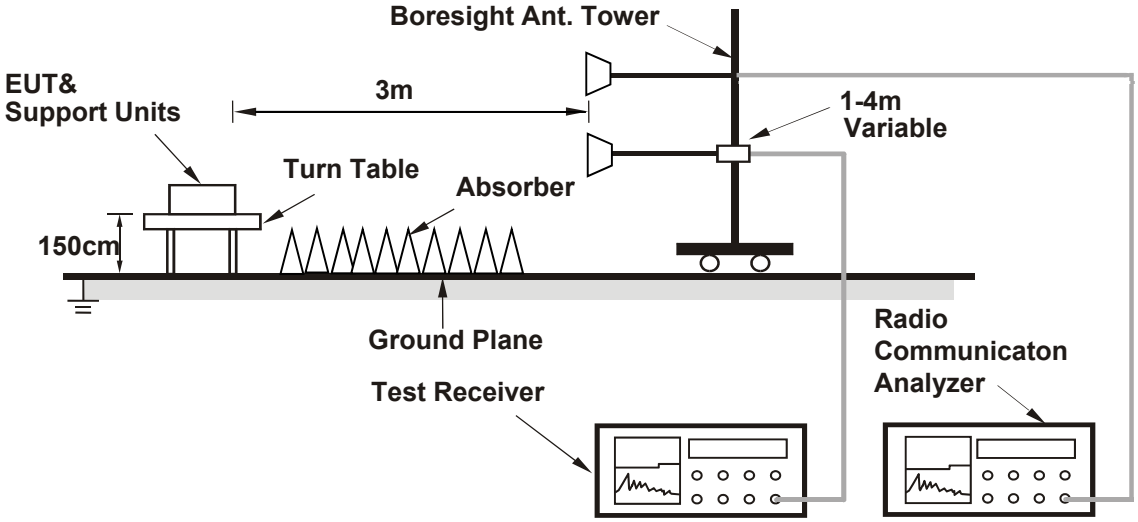
For the actual test configuration, please refer to the attached file (Test Setup Photo).

For LTE Band 2

For radiated emission 30 MHz to 1 GHz



For radiated emission above 1 GHz



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

6.6.2 Test Procedure

For n258, n260, n261:

The spectrum is scanned from 30MHz to 200GHz. All out of band emission are measured in a radiated test setup while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All modulations and operations were investigated to determine the worst-case configuration. Only the worst-case configuration results are reported in this section.

The conducted power or total radiated power of any emissions outside a licensee's frequency block shall be -13dBm/1MHz.

Test Procedures Used

ANSI C63.26-2015 Section 5.7.4
KDB 842590 D01 v01r02 Section 4.4.2 and Section 4.4.3

EUT antenna of far field distance		
Measurement Frequency range	Far Field calculation distance	Measurement Distance (Far field)
Below 18GHz	0.07m	3m
18GHz to 40GHz	0.15m	2m
40GHz to 200GHz	0.15m to 0.77m	1m
Note: EUT Antenna Dimension is 23.8mm x 3.50mm x 2.14mm rectangular		
Measurement antenna of far field distance		
Measurement Frequency range	Far Field calculation distance	Measurement Distance (Far field)
40GHz-50GHz	30mm	1m
50GHz-75GHz	25mm	1m
75GHz-110GHz	18mm	1m
110GHz-170GHz	12mm	1m
170GHz-200GHz	8mm	1m

Test Settings

a. Measuring frequency range is from 30MHz to 200 GHz, whichever is lower. 20 dB attenuation pad is connected with spectrum.
b. Set the RBW=1MHz, and the VBW ≥ 3 x RBW.
c. Set spectrum analyzer detection mode to RMS
d. No. of sweep points ≥ 2 x span / RBW
e. Trigger is set to "free run" for test signals with continuous operation with the sweep times set to "auto". Trigger is set to enable triggering only on full power bursts with the sweep time set less that or equal to the transmission burst duration.
f. Trace mode = trace averaging (RMS) over 100 sweeps.
g. The trace was allowed to stabilize.
h. For MIMO parameter:
i. The e.i.r.p of the H Beam and V Beam were first measured individually. The measured values were then summed in linear power units then converted back to dBm per the guidance of KDB 662911 D01 and D02.
MIMO e.i.r.p. = e.i.r.p.H + e.i.r.p.V

For LTE Band 2

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology.

a. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 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.
b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
d. Following C63.26 section 5.5 and 5.2.7
e. EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.
f. ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.
2. The emission levels were against the limit of frequency range 9 kHz ~ 30 MHz:
   The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

For connected mode, the Radio Communication Analyzer establishes connection with the EUT after the following configuration:

Setup of LTE

- Set test Band
- Set test Modulation
- Set test Bandwidth
- Set test Channel
- Set test RB Size and RB Offset
- Set appropriate Power offset

Setup of NR FR2

- Set test Band
- Set test Modulation
- Set test Bandwidth
- Set test Component Carriers
- Set test Channel
- Set test RB Size and RB Offset

For detailed test settings, please refer to Section 3.3

7 Test Results of Test Item

7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For n258, n260, n261

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	22°C, 68% RH	Tested By:	Wade Huang

For LTB Band 2, 5, 12, 13, 14, 30, 66

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 66% RH	Tested By:	James Yang

7.1.1 n258 + LTE Band 2/5/12/14/30/66

n258 (24.25 ~ 24.45 GHz), Channel Bandwidth: 50 MHz

1CC

EUT position	X-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	50	2017083	24275.04	1RB0	25.00
				1RB16	27.53
				1RB31	25.07
				Full RB	24.81
		2018333	24350.04	1RB0	25.38
				1RB16	27.93
				1RB31	25.53
				Full RB	25.34
		2019581	24424.92	1RB0	25.45
				1RB16	27.97
				1RB31	25.47
				Full RB	25.35
QPSK	50	2017083	24275.04	1RB0	24.61
				1RB16	27.22
				1RB31	24.48
				Full RB	24.24
		2018333	24350.04	1RB0	24.84
				1RB16	27.28
				1RB31	25.03
				Full RB	24.65
		2019581	24424.92	1RB0	24.85
				1RB16	27.49
				1RB31	24.84
				Full RB	24.69

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	50	2017083	24275.04	1RB0	23.63
				1RB16	25.55
				1RB31	23.18
				Full RB	22.88
		2018333	24350.04	1RB0	23.63
				1RB16	26.10
				1RB31	23.38
				Full RB	23.01
		2019581	24424.92	1RB0	23.33
				1RB16	26.13
				1RB31	23.27
				Full RB	23.07
64QAM	50	2017083	24275.04	1RB0	21.85
				1RB16	23.46
				1RB31	21.25
				Full RB	20.85
		2018333	24350.04	1RB0	21.64
				1RB16	23.82
				1RB31	21.36
				Full RB	20.96
		2019581	24424.92	1RB0	21.32
				1RB16	24.01
				1RB31	21.46
				Full RB	20.90

2CC

EUT position	X-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	50	2017083 + 2017917	24300.06	1RB0	21.41
				1RB16	21.36
				1RB31	21.46
				Full RB	24.00
		2017915 + 2018749	24350.02	1RB0	21.30
				1RB16	21.77
				1RB31	21.51
				Full RB	24.07
		2018747 + 2019581	24399.9	1RB0	21.40
				1RB16	21.49
				1RB31	21.48
				Full RB	23.99
QPSK	50	2017083 + 2017917	24300.06	1RB0	21.22
				1RB16	21.29
				1RB31	21.25
				Full RB	23.72
		2017915 + 2018749	24350.02	1RB0	21.17
				1RB16	21.57
				1RB31	21.41
				Full RB	23.95
		2018747 + 2019581	24399.9	1RB0	21.21
				1RB16	21.45
				1RB31	21.33
				Full RB	23.80

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	50	2017083 + 2017917	24300.06	1RB0	20.20
				1RB16	19.90
				1RB31	19.69
				Full RB	22.41
		2017915 + 2018749	24350.02	1RB0	19.90
				1RB16	20.11
				1RB31	20.05
				Full RB	22.54
		2018747 + 2019581	24399.9	1RB0	19.91
				1RB16	19.99
				1RB31	19.93
				Full RB	22.33
64QAM	50	2017083 + 2017917	24300.06	1RB0	18.68
				1RB16	17.88
				1RB31	18.34
				Full RB	20.78
		2017915 + 2018749	24350.02	1RB0	18.28
				1RB16	18.53
				1RB31	18.54
				Full RB	21.02
		2018747 + 2019581	24399.9	1RB0	18.30
				1RB16	18.52
				1RB31	18.51
				Full RB	20.78

n258 (24.25 ~ 24.45 GHz), Channel Bandwidth: 100 MHz

1CC

EUT position	X-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	100	2017499	24300	1RB0	26.00
				1RB32	27.63
				1RB65	26.11
				Full RB	25.40
		2018333	24350.04	1RB0	26.41
				1RB32	28.69
				1RB65	26.24
				Full RB	25.21
		2019165	24399.96	1RB0	26.14
				1RB32	28.89
				1RB65	26.33
				Full RB	25.16
QPSK	100	2017499	24300	1RB0	25.61
				1RB32	27.38
				1RB65	25.90
				Full RB	25.18
		2018333	24350.04	1RB0	26.23
				1RB32	28.46
				1RB65	26.05
				Full RB	24.97
		2019165	24399.96	1RB0	26.03
				1RB32	28.68
				1RB65	26.01
				Full RB	24.92

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	100	2017499	24300	1RB0	24.92
				1RB32	26.58
				1RB65	25.02
				Full RB	24.35
		2018333	24350.04	1RB0	25.27
				1RB32	27.74
				1RB65	25.28
				Full RB	24.22
		2019165	24399.96	1RB0	25.24
				1RB32	28.02
				1RB65	25.19
				Full RB	24.13
64QAM	100	2017499	24300	1RB0	23.06
				1RB32	24.88
				1RB65	23.30
				Full RB	22.49
		2018333	24350.04	1RB0	23.53
				1RB32	25.84
				1RB65	23.69
				Full RB	22.39
		2019165	24399.96	1RB0	23.35
				1RB32	26.13
				1RB65	23.34
				Full RB	22.29

2CC

EUT position	X-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	100	2017499 + 2019167	24350.04	1RB0	21.64
				1RB32	21.28
				1RB65	21.56
				Full RB	24.95
QPSK	100	2017499 + 2019167	24350.04	1RB0	21.46
				1RB32	21.20
				1RB65	21.24
				Full RB	24.73
16QAM	100	2017499 + 2019167	24350.04	1RB0	21.18
				1RB32	21.02
				1RB65	21.16
				Full RB	24.52
64QAM	100	2017499 + 2019167	24350.04	1RB0	20.39
				1RB32	20.15
				1RB65	20.46
				Full RB	23.80

n258 (24.75 ~ 25.25 GHz), Channel Bandwidth: 50 MHz

1CC

EUT position	X-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	50	2025417	24775.08	1RB0	26.25
				1RB16	27.56
				1RB31	26.55
				Full RB	26.10
		2029165	24999.96	1RB0	26.65
				1RB16	27.53
				1RB31	26.47
				Full RB	26.34
		2032915	25224.96	1RB0	26.88
				1RB16	27.63
				1RB31	26.89
				Full RB	26.48
QPSK	50	2025417	24775.08	1RB0	26.09
				1RB16	27.38
				1RB31	26.28
				Full RB	25.87
		2029165	24999.96	1RB0	26.46
				1RB16	27.46
				1RB31	26.38
				Full RB	26.21
		2032915	25224.96	1RB0	26.53
				1RB16	27.50
				1RB31	26.70
				Full RB	26.25

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	50	2025417	24775.08	1RB0	25.49
				1RB16	26.95
				1RB31	25.78
				Full RB	25.37
		2029165	24999.96	1RB0	25.94
				1RB16	26.96
				1RB31	25.72
				Full RB	25.62
		2032915	25224.96	1RB0	25.91
				1RB16	27.09
				1RB31	26.26
				Full RB	25.77
64QAM	50	2025417	24775.08	1RB0	23.54
				1RB16	24.86
				1RB31	23.75
				Full RB	23.35
		2029165	24999.96	1RB0	23.94
				1RB16	24.94
				1RB31	23.77
				Full RB	23.71
		2032915	25224.96	1RB0	23.92
				1RB16	24.99
				1RB31	24.16
				Full RB	23.80

2CC

EUT position	X-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	50	2025417 + 2026249	24800.04	1RB0	23.21
				1RB16	23.32
				1RB31	23.02
				Full RB	26.76
		2028749 + 2029583	25000.02	1RB0	23.73
				1RB16	23.85
				1RB31	23.71
				Full RB	27.02
		2032081 + 2032915	25199.94	1RB0	24.06
				1RB16	24.10
				1RB31	24.12
				Full RB	27.40
QPSK	50	2025417 + 2026249	24800.04	1RB0	22.93
				1RB16	23.20
				1RB31	22.86
				Full RB	26.54
		2028749 + 2029583	25000.02	1RB0	23.55
				1RB16	23.80
				1RB31	23.56
				Full RB	26.79
		2032081 + 2032915	25199.94	1RB0	23.82
				1RB16	24.08
				1RB31	23.99
				Full RB	27.10

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	50	2025417 + 2026249	24800.04	1RB0	22.69
				1RB16	23.01
				1RB31	22.68
				Full RB	26.30
		2028749 + 2029583	25000.02	1RB0	23.35
				1RB16	23.52
				1RB31	23.38
				Full RB	26.52
		2032081 + 2032915	25199.94	1RB0	23.61
				1RB16	23.82
				1RB31	23.87
				Full RB	26.98
64QAM	50	2025417 + 2026249	24800.04	1RB0	21.68
				1RB16	21.96
				1RB31	21.62
				Full RB	25.21
		2028749 + 2029583	25000.02	1RB0	22.37
				1RB16	22.55
				1RB31	22.34
				Full RB	25.60
		2032081 + 2032915	25199.94	1RB0	22.52
				1RB16	22.97
				1RB31	22.90
				Full RB	25.98

n258 (24.75 ~ 25.25 GHz), Channel Bandwidth: 100 MHz

1CC

EUT position	X-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	100	2025833	24800.04	1RB0	26.84
				1RB32	29.47
				1RB65	26.95
				Full RB	26.64
		2029165	24999.96	1RB0	26.89
				1RB32	29.60
				1RB65	26.99
				Full RB	26.72
		2032499	25200	1RB0	27.30
				1RB32	30.23
				1RB65	27.47
				Full RB	27.09
QPSK	100	2025833	24800.04	1RB0	26.67
				1RB32	29.30
				1RB65	26.86
				Full RB	26.35
		2029165	24999.96	1RB0	26.76
				1RB32	29.30
				1RB65	26.81
				Full RB	26.49
		2032499	25200	1RB0	27.15
				1RB32	29.83
				1RB65	27.32
				Full RB	26.78

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	100	2025833	24800.04	1RB0	25.61
				1RB32	28.28
				1RB65	25.69
				Full RB	25.50
		2029165	24999.96	1RB0	25.77
				1RB32	28.35
				1RB65	25.87
				Full RB	25.57
		2032499	25200	1RB0	26.14
				1RB32	28.82
				1RB65	26.22
				Full RB	25.87
64QAM	100	2025833	24800.04	1RB0	23.88
				1RB32	26.53
				1RB65	23.91
				Full RB	23.65
		2029165	24999.96	1RB0	24.09
				1RB32	26.58
				1RB65	23.97
				Full RB	23.78
		2032499	25200	1RB0	24.37
				1RB32	26.98
				1RB65	24.43
				Full RB	24.13

2CC

EUT position	X-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	100	2025833 + 2027499	24850.02	1RB0	22.73
				1RB32	22.81
				1RB65	23.02
				Full RB	26.75
		2028331 + 2029999	24999.96	1RB0	22.46
				1RB32	22.27
				1RB65	22.66
				Full RB	25.58
		2030831 + 2032499	25149.96	1RB0	22.10
				1RB32	22.18
				1RB65	22.30
				Full RB	25.99
QPSK	100	2025833 + 2027499	24850.02	1RB0	22.57
				1RB32	22.61
				1RB65	22.82
				Full RB	26.59
		2028331 + 2029999	24999.96	1RB0	22.23
				1RB32	22.20
				1RB65	22.46
				Full RB	25.37
		2030831 + 2032499	25149.96	1RB0	22.00
				1RB32	22.08
				1RB65	21.98
				Full RB	25.78

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	100	2025833 + 2027499	24850.02	1RB0	22.26
				1RB32	22.44
				1RB65	22.53
				Full RB	26.45
		2028331 + 2029999	24999.96	1RB0	22.09
				1RB32	21.94
				1RB65	22.23
				Full RB	25.23
		2030831 + 2032499	25149.96	1RB0	21.94
				1RB32	21.92
				1RB65	21.84
				Full RB	25.50
64QAM	100	2025833 + 2027499	24850.02	1RB0	21.63
				1RB32	21.77
				1RB65	21.92
				Full RB	25.81
		2028331 + 2029999	24999.96	1RB0	20.91
				1RB32	20.86
				1RB65	21.24
				Full RB	24.06
		2030831 + 2032499	25149.96	1RB0	20.77
				1RB32	20.80
				1RB65	20.82
				Full RB	24.32

LTE Band 2, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18607	CH 18900	CH 19193
			1850.7 MHz	1880 MHz	1909.3 MHz
QPSK	1	0	23.12	23.37	23.08
	1	2	22.91	23.11	22.91
	1	5	23.10	23.08	22.94
	3	0	23.08	23.17	22.96
	3	1	22.73	22.92	22.85
	3	3	22.74	22.75	22.90
	6	0	21.80	21.81	21.87
16QAM	1	0	22.34	22.20	22.13
	1	2	22.06	22.37	22.06
	1	5	22.02	22.14	22.05
	3	0	21.97	22.11	21.99
	3	1	21.96	21.97	22.06
	3	3	21.74	22.02	21.93
	6	0	20.86	20.81	20.96
64QAM	1	0	21.17	21.28	21.13
	1	2	21.13	21.11	21.15
	1	5	20.92	21.13	21.21
	3	0	21.08	21.03	21.00
	3	1	21.09	20.94	21.02
	3	3	20.80	21.00	20.95
	6	0	19.75	19.79	19.67
256QAM	1	0	18.00	18.08	18.04
	1	2	17.78	18.03	17.96
	1	5	17.75	17.88	17.85
	3	0	17.96	17.88	17.83
	3	1	17.73	17.92	17.74
	3	3	17.67	17.79	17.92
	6	0	17.68	17.85	17.86

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.8	23.37	21.9	23.47	33.01
16QAM	20.81	22.37	20.91	22.47	33.01
64QAM	19.67	21.28	19.77	21.38	33.01
256QAM	17.67	18.08	17.77	18.18	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18615	CH 18900	CH 19185
			1851.5 MHz	1880 MHz	1908.5 MHz
QPSK	1	0	23.06	23.14	23.27
	1	7	22.89	22.93	23.08
	1	14	22.89	23.10	23.04
	8	0	22.01	22.02	21.98
	8	3	21.84	21.95	21.97
	8	7	21.79	21.81	21.68
	15	0	21.76	22.02	21.72
16QAM	1	0	22.14	22.32	22.29
	1	7	22.09	22.28	22.01
	1	14	22.05	22.08	21.91
	8	0	20.92	21.24	20.97
	8	3	20.82	21.19	20.89
	8	7	20.80	21.07	20.81
	15	0	20.68	20.86	21.00
64QAM	1	0	21.18	21.30	21.15
	1	7	21.12	21.15	21.17
	1	14	21.01	21.07	21.22
	8	0	20.03	20.21	20.12
	8	3	20.18	19.91	20.03
	8	7	19.93	20.04	19.83
	15	0	19.78	19.97	19.76
256QAM	1	0	18.08	18.23	17.92
	1	7	17.95	18.16	17.92
	1	14	17.95	17.94	17.91
	8	0	17.90	17.99	18.03
	8	3	17.66	17.97	18.00
	8	7	17.72	18.03	17.87
	15	0	17.80	17.88	17.70

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.68	23.27	21.78	23.37	33.01
16QAM	20.68	22.32	20.78	22.42	33.01
64QAM	19.76	21.3	19.86	21.4	33.01
256QAM	17.66	18.23	17.76	18.33	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18625	CH 18900	CH 19175
			1852.5 MHz	1880 MHz	1907.5 MHz
QPSK	1	0	23.15	23.18	23.24
	1	12	23.05	23.00	22.97
	1	24	23.06	22.96	22.89
	12	0	21.91	22.14	22.05
	12	6	21.84	21.86	21.81
	12	13	21.64	21.96	21.73
	25	0	21.94	21.97	21.83
16QAM	1	0	22.21	22.32	22.27
	1	12	22.31	22.11	22.24
	1	24	21.90	22.10	21.91
	12	0	21.00	21.12	21.11
	12	6	21.11	20.93	21.04
	12	13	20.85	20.85	20.88
	25	0	20.73	20.85	20.93
64QAM	1	0	21.19	21.27	21.21
	1	12	21.17	21.09	21.11
	1	24	21.15	21.03	21.13
	12	0	20.01	20.18	20.01
	12	6	19.98	20.07	20.20
	12	13	19.89	19.81	20.05
	25	0	19.77	19.97	19.91
256QAM	1	0	18.05	18.04	18.00
	1	12	17.86	18.07	17.99
	1	24	17.83	17.84	17.91
	12	0	17.96	18.07	17.88
	12	6	17.62	17.85	17.89
	12	13	17.66	17.94	17.77
	25	0	17.78	17.89	17.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.64	23.24	21.74	23.34	33.01
16QAM	20.73	22.32	20.83	22.42	33.01
64QAM	19.77	21.27	19.87	21.37	33.01
256QAM	17.62	18.07	17.72	18.17	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18650	CH 18900	CH 19150
			1855 MHz	1880 MHz	1905 MHz
QPSK	1	0	23.06	23.36	23.18
	1	24	22.98	23.08	23.09
	1	49	23.11	23.10	23.04
	25	0	21.98	22.02	22.07
	25	12	21.84	21.98	22.00
	25	25	21.85	21.83	21.79
	50	0	21.77	21.99	21.79
16QAM	1	0	22.07	22.15	22.18
	1	24	22.00	22.26	22.19
	1	49	21.87	22.27	22.11
	25	0	21.03	21.11	21.17
	25	12	20.87	21.07	20.97
	25	25	20.81	21.08	20.98
	50	0	20.67	20.89	20.77
64QAM	1	0	21.27	21.24	21.20
	1	24	20.99	21.30	21.19
	1	49	21.13	21.02	21.09
	25	0	19.95	20.14	19.96
	25	12	20.04	19.95	19.98
	25	25	19.76	19.92	19.94
	50	0	19.88	19.93	19.84
256QAM	1	0	17.94	18.11	18.10
	1	24	17.95	18.10	18.01
	1	49	17.77	18.06	17.82
	25	0	17.81	18.13	17.91
	25	12	17.75	17.99	17.84
	25	25	17.79	17.92	17.89
	50	0	17.76	18.01	17.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.77	23.36	21.87	23.46	33.01
16QAM	20.67	22.27	20.77	22.37	33.01
64QAM	19.76	21.3	19.86	21.4	33.01
256QAM	17.75	18.13	17.85	18.23	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18675	CH 18900	CH 19125
			1857.5 MHz	1880 MHz	1902.5 MHz
QPSK	1	0	23.14	23.40	23.22
	1	37	22.93	23.00	23.17
	1	74	22.84	23.07	23.07
	36	0	21.79	22.16	21.84
	36	19	21.94	22.02	21.79
	36	39	21.89	21.93	21.72
	75	0	21.94	21.83	22.02
16QAM	1	0	22.07	22.41	22.35
	1	37	22.28	22.34	22.07
	1	74	22.10	22.01	22.00
	36	0	21.05	21.14	21.15
	36	19	20.92	20.98	20.97
	36	39	20.63	20.99	20.84
	75	0	20.75	20.77	20.85
64QAM	1	0	21.24	21.28	21.05
	1	37	21.10	21.12	21.08
	1	74	20.87	21.09	21.00
	36	0	20.00	20.11	19.96
	36	19	19.96	20.08	20.08
	36	39	19.80	19.94	19.78
	75	0	19.60	19.89	19.74
256QAM	1	0	17.95	18.03	17.91
	1	37	17.73	18.01	17.85
	1	74	17.92	17.97	17.86
	36	0	17.72	18.02	17.80
	36	19	17.89	17.86	17.77
	36	39	17.69	17.77	17.89
	75	0	17.78	17.84	17.84

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.72	23.4	21.82	23.5	33.01
16QAM	20.63	22.41	20.73	22.51	33.01
64QAM	19.6	21.28	19.7	21.38	33.01
256QAM	17.69	18.03	17.79	18.13	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18700	CH 18900	CH 19100
			1860 MHz	1880 MHz	1900 MHz
QPSK	1	0	23.28	23.42	23.22
	1	50	22.91	23.25	23.01
	1	99	23.01	23.10	23.17
	50	0	21.92	22.05	22.02
	50	25	21.88	22.01	21.88
	50	50	21.84	21.98	21.84
	100	0	21.83	21.88	22.01
16QAM	1	0	22.11	22.34	22.23
	1	50	22.16	22.37	22.14
	1	99	22.13	22.18	22.11
	50	0	20.98	21.22	21.10
	50	25	20.96	21.21	21.13
	50	50	20.82	20.85	20.91
	100	0	20.92	20.90	20.87
64QAM	1	0	21.17	21.23	21.20
	1	50	21.13	21.17	21.09
	1	99	20.94	21.11	21.08
	50	0	19.93	20.26	20.07
	50	25	20.17	19.99	20.08
	50	50	19.77	19.85	19.98
	100	0	19.81	19.94	19.87
256QAM	1	0	17.99	18.19	18.19
	1	50	17.98	18.13	18.08
	1	99	17.98	18.02	17.97
	50	0	17.81	18.03	18.02
	50	25	17.73	18.06	17.82
	50	50	17.78	17.85	17.76
	100	0	17.95	17.85	17.91

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.83	23.42	21.93	23.52	33.01
16QAM	20.82	22.37	20.92	22.47	33.01
64QAM	19.77	21.23	19.87	21.33	33.01
256QAM	17.73	18.19	17.83	18.29	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 5, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20407	CH 20525	CH 20643
			824.7 MHz	836.5 MHz	848.3 MHz
QPSK	1	0	23.02	23.09	23.00
	1	2	22.94	22.99	23.02
	1	5	22.63	22.72	22.73
	3	0	22.77	22.94	22.93
	3	1	22.88	22.96	22.90
	3	3	22.58	22.96	22.80
	6	0	21.81	21.72	21.71
16QAM	1	0	21.94	22.25	22.01
	1	2	21.87	21.98	22.05
	1	5	21.96	21.87	21.77
	3	0	21.80	21.82	21.91
	3	1	21.78	21.92	21.83
	3	3	21.74	21.66	21.86
	6	0	20.86	20.84	20.88
64QAM	1	0	21.20	21.22	21.00
	1	2	21.05	21.04	21.05
	1	5	20.95	21.08	20.91
	3	0	20.93	21.00	20.84
	3	1	20.97	20.90	21.06
	3	3	20.79	20.89	20.85
	6	0	19.82	19.96	19.84
256QAM	1	0	17.93	17.96	18.13
	1	2	17.89	18.18	17.90
	1	5	17.90	17.86	17.85
	3	0	17.82	17.90	17.91
	3	1	17.69	18.02	17.84
	3	3	17.76	17.91	17.67
	6	0	17.89	17.93	17.81

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.71	23.09	16.76	18.14	38.45
16QAM	20.84	22.25	15.89	17.3	38.45
64QAM	19.82	21.22	14.87	16.27	38.45
256QAM	17.67	18.18	12.72	13.23	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 5, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20415	CH 20525	CH 20635
			825.5 MHz	836.5 MHz	847.5 MHz
QPSK	1	0	22.95	23.11	23.08
	1	7	22.78	23.05	22.93
	1	14	22.73	22.82	22.67
	8	0	21.85	22.00	21.89
	8	3	21.76	22.04	22.02
	8	7	21.76	21.85	21.77
	15	0	21.85	21.77	21.69
16QAM	1	0	22.01	21.99	22.10
	1	7	22.08	21.92	22.03
	1	14	21.81	21.91	21.92
	8	0	20.83	20.92	20.98
	8	3	20.90	21.00	20.87
	8	7	20.75	20.75	20.89
	15	0	20.85	20.99	20.93
64QAM	1	0	21.19	21.18	21.23
	1	7	20.98	21.11	21.08
	1	14	20.82	20.86	20.83
	8	0	20.03	20.20	20.16
	8	3	19.97	20.05	19.93
	8	7	19.91	19.99	20.01
	15	0	19.87	19.82	20.01
256QAM	1	0	18.12	18.04	17.96
	1	7	17.92	18.12	17.82
	1	14	17.68	17.94	17.87
	8	0	17.93	17.94	18.07
	8	3	17.76	17.85	17.75
	8	7	17.66	17.90	17.89
	15	0	17.85	17.86	17.80

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.69	23.11	16.74	18.16	38.45
16QAM	20.75	22.1	15.8	17.15	38.45
64QAM	19.82	21.23	14.87	16.28	38.45
256QAM	17.66	18.12	12.71	13.17	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 5, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20425	CH 20525	CH 20625
			826.5 MHz	836.5 MHz	846.5 MHz
QPSK	1	0	22.77	22.96	22.99
	1	12	22.85	23.06	22.92
	1	24	22.80	22.78	22.76
	12	0	21.71	21.94	21.83
	12	6	21.94	21.87	21.88
	12	13	21.74	21.91	21.94
	25	0	21.80	21.96	21.83
16QAM	1	0	21.94	21.95	22.00
	1	12	21.96	21.89	21.98
	1	24	21.77	21.93	22.01
	12	0	20.93	20.95	20.99
	12	6	20.82	20.96	20.86
	12	13	20.77	20.68	20.91
	25	0	20.69	20.74	20.78
64QAM	1	0	21.01	21.01	21.19
	1	12	21.07	21.10	20.95
	1	24	20.84	20.91	20.82
	12	0	19.99	20.21	19.94
	12	6	19.94	20.10	20.07
	12	13	19.87	19.85	20.00
	25	0	19.76	20.01	19.95
256QAM	1	0	18.03	18.13	18.10
	1	12	17.91	17.87	17.88
	1	24	17.72	17.85	17.87
	12	0	17.86	18.08	17.99
	12	6	17.69	17.84	17.72
	12	13	17.78	17.87	17.83
	25	0	17.83	17.97	17.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.71	23.06	16.76	18.11	38.45
16QAM	20.68	22.01	15.73	17.06	38.45
64QAM	19.76	21.19	14.81	16.24	38.45
256QAM	17.69	18.13	12.74	13.18	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 5, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20450	CH 20525	CH 20600
			829 MHz	836.5 MHz	844 MHz
QPSK	1	0	23.02	23.13	23.08
	1	24	22.77	22.95	22.84
	1	49	22.74	22.79	22.73
	25	0	21.96	21.91	21.89
	25	12	21.77	21.96	21.99
	25	25	21.63	21.77	21.93
	50	0	21.69	21.99	21.95
16QAM	1	0	21.92	22.19	21.97
	1	24	22.06	21.93	22.04
	1	49	21.82	21.92	22.05
	25	0	20.84	20.92	21.03
	25	12	20.94	20.90	20.96
	25	25	20.89	20.85	20.75
	50	0	20.89	21.03	20.82
64QAM	1	0	21.16	21.32	21.04
	1	24	21.06	21.00	21.16
	1	49	21.00	21.05	20.84
	25	0	19.96	20.02	19.99
	25	12	19.89	20.04	19.97
	25	25	19.81	19.91	19.91
	50	0	19.96	20.01	20.00
256QAM	1	0	18.02	18.03	18.12
	1	24	17.92	17.96	18.09
	1	49	17.77	18.00	17.99
	25	0	17.97	18.03	17.94
	25	12	17.81	17.99	17.74
	25	25	17.84	17.83	17.91
	50	0	17.85	17.80	17.78

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.63	23.13	16.68	18.18	38.45
16QAM	20.75	22.19	15.8	17.24	38.45
64QAM	19.81	21.32	14.86	16.37	38.45
256QAM	17.74	18.12	12.79	13.17	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 12, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23017	CH 23095	CH 23173
			699.7 MHz	707.5 MHz	715.3 MHz
QPSK	1	0	22.87	23.08	23.00
	1	2	23.01	23.04	22.75
	1	5	22.77	22.87	22.68
	3	0	22.94	22.98	22.94
	3	1	22.78	22.93	22.89
	3	3	22.84	22.93	22.85
	6	0	21.92	21.96	21.80
16QAM	1	0	22.06	22.13	22.02
	1	2	22.03	22.12	21.96
	1	5	21.93	21.96	21.89
	3	0	21.87	21.93	22.11
	3	1	21.95	21.93	21.87
	3	3	21.76	21.90	21.79
	6	0	20.87	20.85	20.93
64QAM	1	0	21.07	21.11	21.30
	1	2	21.12	21.16	21.03
	1	5	20.86	21.13	20.93
	3	0	21.01	21.04	21.17
	3	1	21.08	20.95	20.97
	3	3	20.78	20.81	20.69
	6	0	19.78	19.83	19.68
256QAM	1	0	18.02	18.27	18.18
	1	2	18.05	18.11	17.87
	1	5	17.94	18.03	17.97
	3	0	17.93	17.83	17.81
	3	1	17.92	17.79	17.95
	3	3	17.77	17.76	17.63
	6	0	17.75	17.84	17.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.8	23.08	14.15	15.43	34.77
16QAM	20.85	22.13	13.2	14.48	34.77
64QAM	19.68	21.3	12.03	13.65	34.77
256QAM	17.63	18.27	9.98	10.62	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23025	CH 23095	CH 23165
			700.5 MHz	707.5 MHz	714.5 MHz
QPSK	1	0	22.95	23.17	22.93
	1	7	22.90	23.04	23.02
	1	14	23.05	23.02	22.73
	8	0	21.98	22.13	21.90
	8	3	21.86	21.84	21.86
	8	7	21.82	21.91	21.82
	15	0	21.81	21.91	21.85
16QAM	1	0	22.21	22.24	22.11
	1	7	22.04	22.01	22.04
	1	14	21.94	21.95	21.85
	8	0	21.16	20.96	20.95
	8	3	20.92	20.91	20.75
	8	7	20.81	20.83	20.61
	15	0	20.73	20.75	20.85
64QAM	1	0	21.28	21.32	21.34
	1	7	21.08	21.23	21.20
	1	14	20.98	21.06	20.75
	8	0	19.99	20.11	20.03
	8	3	20.09	19.95	20.01
	8	7	19.81	19.99	19.70
	15	0	19.71	19.96	19.83
256QAM	1	0	17.94	18.19	18.04
	1	7	18.10	18.13	17.86
	1	14	17.97	17.97	17.83
	8	0	17.81	17.97	17.88
	8	3	17.86	18.00	17.93
	8	7	17.63	17.68	17.58
	15	0	17.78	17.75	17.63

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.81	23.17	14.16	15.52	34.77
16QAM	20.61	22.24	12.96	14.59	34.77
64QAM	19.7	21.34	12.05	13.69	34.77
256QAM	17.58	18.19	9.93	10.54	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23035	CH 23095	CH 23155
			701.5 MHz	707.5 MHz	713.5 MHz
QPSK	1	0	22.88	23.01	22.91
	1	12	22.89	22.89	23.05
	1	24	22.97	22.98	22.84
	12	0	21.93	22.09	21.94
	12	6	21.76	21.91	21.67
	12	13	21.90	21.94	21.79
	25	0	21.88	21.88	21.89
16QAM	1	0	21.99	22.23	21.96
	1	12	22.05	22.10	21.91
	1	24	21.88	22.09	21.89
	12	0	20.91	21.13	21.05
	12	6	20.90	21.00	20.93
	12	13	20.89	20.92	20.66
	25	0	20.91	20.85	20.97
64QAM	1	0	21.07	21.20	21.21
	1	12	21.20	21.24	21.02
	1	24	20.93	21.12	20.83
	12	0	20.16	19.98	20.06
	12	6	19.91	20.18	19.95
	12	13	19.86	19.96	19.74
	25	0	19.67	19.73	19.70
256QAM	1	0	18.09	18.26	18.02
	1	12	18.13	17.94	17.83
	1	24	18.02	17.91	17.95
	12	0	17.82	17.88	17.82
	12	6	17.83	17.98	17.75
	12	13	17.56	17.81	17.76
	25	0	17.62	17.79	17.90

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.67	23.05	14.02	15.4	34.77
16QAM	20.66	22.23	13.01	14.58	34.77
64QAM	19.67	21.24	12.02	13.59	34.77
256QAM	17.56	18.26	9.91	10.61	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 12, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23060	CH 23095	CH 23130
			704 MHz	707.5 MHz	711 MHz
QPSK	1	0	23.11	23.21	22.86
	1	24	23.05	23.00	23.00
	1	49	22.88	22.88	22.70
	25	0	21.94	22.04	21.96
	25	12	21.80	22.01	21.77
	25	25	21.93	22.02	21.86
	50	0	21.91	21.94	21.87
16QAM	1	0	22.23	22.26	21.97
	1	24	22.01	22.06	22.11
	1	49	22.05	22.01	21.86
	25	0	21.02	20.97	21.14
	25	12	21.00	20.94	20.88
	25	25	20.94	20.89	20.88
	50	0	21.05	20.91	21.02
64QAM	1	0	21.16	21.36	21.10
	1	24	21.10	21.16	21.10
	1	49	20.82	21.15	20.94
	25	0	20.11	20.15	20.07
	25	12	19.98	20.04	20.05
	25	25	19.98	19.90	19.81
	50	0	19.93	19.88	19.89
256QAM	1	0	18.08	18.13	18.10
	1	24	18.13	18.22	18.02
	1	49	17.91	17.96	17.79
	25	0	17.98	18.06	17.80
	25	12	17.80	17.97	17.95
	25	25	17.86	17.87	17.62
	50	0	17.89	17.79	17.68

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.77	23.21	14.12	15.56	34.77
16QAM	20.88	22.26	13.23	14.61	34.77
64QAM	19.81	21.36	12.16	13.71	34.77
256QAM	17.62	18.22	9.97	10.57	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 14, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23305	CH 23330	CH 23355
			790.5 MHz	793 MHz	795.5 MHz
QPSK	1	0	22.99	22.94	22.97
	1	12	23.03	22.77	22.92
	1	24	22.90	22.73	22.75
	12	0	21.87	22.11	21.95
	12	6	21.84	21.96	21.87
	12	13	21.75	21.74	21.66
	25	0	21.76	21.84	21.78
16QAM	1	0	22.12	22.14	22.26
	1	12	21.89	22.02	22.06
	1	24	21.84	21.93	21.83
	12	0	20.86	20.95	20.91
	12	6	21.00	20.86	20.78
	12	13	20.71	20.89	20.80
	25	0	20.84	20.94	20.86
64QAM	1	0	21.13	21.05	21.03
	1	12	20.89	20.78	20.95
	1	24	20.95	20.76	20.78
	12	0	20.17	19.93	19.90
	12	6	19.97	19.97	20.02
	12	13	19.83	19.87	19.79
	25	0	19.73	19.93	19.94
256QAM	1	0	18.03	18.10	18.16
	1	12	17.96	18.01	17.91
	1	24	17.92	17.99	17.97
	12	0	18.09	18.09	17.96
	12	6	17.86	17.83	17.97
	12	13	17.91	17.77	17.84
	25	0	17.78	17.95	17.86

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.66	23.03	16.91	18.28	34.77
16QAM	20.71	22.26	15.96	17.51	34.77
64QAM	19.73	21.13	14.98	16.38	34.77
256QAM	17.77	18.16	13.02	13.41	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 14, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23330
			793 MHz
QPSK	1	0	23.16
	1	24	23.04
	1	49	22.88
	25	0	22.10
	25	12	22.07
	25	25	21.80
	50	0	21.70
16QAM	1	0	22.19
	1	24	22.00
	1	49	21.98
	25	0	21.10
	25	12	21.08
	25	25	21.01
	50	0	21.02
64QAM	1	0	20.98
	1	24	20.97
	1	49	20.96
	25	0	20.04
	25	12	19.92
	25	25	19.91
	50	0	19.83
256QAM	1	0	18.17
	1	24	18.07
	1	49	18.03
	25	0	18.17
	25	12	18.07
	25	25	17.84
	50	0	17.89

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.7	23.16	16.95	18.41	34.77
16QAM	21.01	22.19	16.26	17.44	34.77
64QAM	19.83	20.98	15.08	16.23	34.77
256QAM	17.84	18.17	13.09	13.42	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 30, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 27685	CH 27710	CH 27735
			2307.5 MHz	2310 MHz	2312.5 MHz
QPSK	1	0	21.50	21.61	21.56
	1	12	21.36	21.45	21.47
	1	24	21.47	21.51	21.35
	12	0	20.37	20.46	20.57
	12	6	20.44	20.46	20.49
	12	13	20.32	20.40	20.35
	25	0	20.41	20.36	20.23
16QAM	1	0	20.57	20.52	20.67
	1	12	20.63	20.57	20.59
	1	24	20.37	20.49	20.33
	12	0	19.71	19.40	19.47
	12	6	19.55	19.41	19.41
	12	13	19.36	19.25	19.33
	25	0	19.48	19.43	19.32
64QAM	1	0	19.70	19.47	19.58
	1	12	19.55	19.66	19.60
	1	24	19.42	19.27	19.46
	12	0	18.40	18.45	18.53
	12	6	18.50	18.28	18.36
	12	13	18.46	18.25	18.19
	25	0	18.19	18.34	18.46
256QAM	1	0	16.46	16.55	16.74
	1	12	16.59	16.54	16.48
	1	24	16.29	16.47	16.49
	12	0	16.40	16.54	16.57
	12	6	16.51	16.41	16.51
	12	13	16.27	16.18	16.35
	25	0	16.26	16.36	16.36

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.23	21.61	18.83	20.21	23.98
16QAM	19.25	20.67	17.85	19.27	23.98
64QAM	18.19	19.7	16.79	18.3	23.98
256QAM	16.18	16.74	14.78	15.34	23.98

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 30, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 27710
			2310 MHz
QPSK	1	0	21.55
	1	24	21.45
	1	49	21.41
	25	0	20.49
	25	12	20.54
	25	25	20.28
	50	0	20.33
16QAM	1	0	20.62
	1	24	20.47
	1	49	20.35
	25	0	19.63
	25	12	19.51
	25	25	19.34
	50	0	19.25
64QAM	1	0	19.61
	1	24	19.42
	1	49	19.46
	25	0	18.49
	25	12	18.41
	25	25	18.36
	50	0	18.41
256QAM	1	0	16.70
	1	24	16.47
	1	49	16.59
	25	0	16.70
	25	12	16.49
	25	25	16.38
	50	0	16.42

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.28	21.55	18.88	20.15	23.98
16QAM	19.25	20.62	17.85	19.22	23.98
64QAM	18.36	19.61	16.96	18.21	23.98
256QAM	16.38	16.7	14.98	15.3	23.98

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 30, Channel Bandwidth: 10 MHz (per 5 MHz)

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 27710
			2310 MHz
QPSK	1	0	21.46
	1	24	21.37
	1	49	21.37
	25	0	19.12
	25	12	19.33
	25	25	19.07
	50	0	17.6
16QAM	1	0	20.52
	1	24	20.43
	1	49	20.21
	25	0	18.33
	25	12	18.19
	25	25	17.98
	50	0	16.67
64QAM	1	0	19.42
	1	24	19.35
	1	49	19.26
	25	0	17.18
	25	12	17.16
	25	25	17.16
	50	0	15.76
256QAM	1	0	16.67
	1	24	16.3
	1	49	16.54
	25	0	15.39
	25	12	15.23
	25	25	15.07
	50	0	13.75

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.6	21.46	16.2	20.06	23.98
16QAM	16.67	20.52	15.27	19.12	23.98
64QAM	15.76	19.42	14.36	18.02	23.98
256QAM	13.75	16.67	12.35	15.27	23.98

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131979	CH 132322	CH 132665
			1710.7 MHz	1745 MHz	1779.3 MHz
QPSK	1	0	23.01	22.99	22.86
	1	2	22.87	23.01	22.91
	1	5	22.82	22.90	22.87
	3	0	22.89	23.13	22.71
	3	1	22.73	22.85	22.67
	3	3	22.62	22.64	22.49
	6	0	21.78	21.71	21.53
16QAM	1	0	21.98	22.06	21.76
	1	2	21.85	22.11	21.72
	1	5	21.83	21.86	21.58
	3	0	21.85	22.10	21.68
	3	1	21.89	21.82	21.69
	3	3	21.89	21.76	21.57
	6	0	20.67	20.75	20.78
64QAM	1	0	21.01	21.15	20.79
	1	2	20.84	21.07	20.90
	1	5	20.79	20.98	20.46
	3	0	20.89	21.18	20.59
	3	1	20.81	20.91	20.68
	3	3	20.86	20.79	20.60
	6	0	19.60	19.71	19.52
256QAM	1	0	17.96	18.08	17.94
	1	2	17.80	18.06	17.63
	1	5	17.96	18.09	17.75
	3	0	17.82	18.07	17.71
	3	1	17.82	17.86	17.79
	3	3	17.68	17.80	17.63
	6	0	17.54	17.84	17.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.53	23.13	21.53	23.13	30
16QAM	20.67	22.11	20.67	22.11	30
64QAM	19.52	21.18	19.52	21.18	30
256QAM	17.54	18.09	17.54	18.09	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131987	CH 132322	CH 132657
			1711.5 MHz	1745 MHz	1778.5 MHz
QPSK	1	0	22.95	23.18	23.03
	1	7	22.88	22.98	22.69
	1	14	22.88	23.01	22.73
	8	0	21.74	21.96	21.70
	8	3	21.84	22.01	21.56
	8	7	21.83	21.91	21.69
	15	0	21.61	21.70	21.65
16QAM	1	0	21.94	22.22	21.82
	1	7	21.73	22.03	21.62
	1	14	21.66	22.01	21.59
	8	0	21.01	21.11	20.87
	8	3	20.74	20.97	20.60
	8	7	20.76	20.97	20.60
	15	0	20.77	20.79	20.73
64QAM	1	0	21.09	21.18	20.88
	1	7	20.93	21.01	20.85
	1	14	20.60	20.87	20.54
	8	0	19.79	20.13	19.70
	8	3	19.79	20.01	19.68
	8	7	19.82	19.89	19.61
	15	0	19.61	19.91	19.58
256QAM	1	0	17.96	18.17	17.94
	1	7	17.81	18.18	17.64
	1	14	17.98	18.13	17.77
	8	0	17.78	18.06	17.57
	8	3	17.73	17.92	17.70
	8	7	17.65	17.84	17.53
	15	0	17.57	17.79	17.44

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.56	23.18	21.56	23.18	30
16QAM	20.6	22.22	20.6	22.22	30
64QAM	19.58	21.18	19.58	21.18	30
256QAM	17.44	18.18	17.44	18.18	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131997	CH 132322	CH 132647
			1712.5 MHz	1745 MHz	1777.5 MHz
QPSK	1	0	23.02	23.02	22.81
	1	12	22.86	23.01	22.82
	1	24	22.93	23.03	22.78
	12	0	21.64	22.05	21.47
	12	6	21.72	21.94	21.66
	12	13	21.61	21.75	21.51
	25	0	21.67	21.86	21.60
16QAM	1	0	21.93	21.97	21.74
	1	12	21.78	22.11	21.77
	1	24	21.90	21.92	21.64
	12	0	20.87	21.03	20.78
	12	6	20.83	21.03	20.73
	12	13	20.85	20.76	20.65
	25	0	20.86	20.73	20.75
64QAM	1	0	20.90	20.99	20.74
	1	12	20.87	20.89	20.74
	1	24	20.58	20.90	20.48
	12	0	19.76	19.99	19.73
	12	6	19.69	19.86	19.74
	12	13	19.57	19.90	19.69
	25	0	19.76	19.82	19.53
256QAM	1	0	17.90	18.07	17.74
	1	12	17.80	18.14	17.82
	1	24	17.88	17.98	17.76
	12	0	17.87	18.08	17.74
	12	6	17.65	17.89	17.67
	12	13	17.72	17.66	17.72
	25	0	17.58	17.74	17.51

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.47	23.03	21.47	23.03	30
16QAM	20.65	22.11	20.65	22.11	30
64QAM	19.53	20.99	19.53	20.99	30
256QAM	17.51	18.14	17.51	18.14	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132022	CH 132322	CH 132622
			1715 MHz	1745 MHz	1775 MHz
QPSK	1	0	22.89	23.02	22.95
	1	24	22.87	23.08	22.89
	1	49	22.91	23.00	22.86
	25	0	21.90	22.04	21.70
	25	12	21.78	21.92	21.53
	25	25	21.67	21.90	21.44
	50	0	21.61	21.78	21.74
16QAM	1	0	21.95	21.99	21.67
	1	24	21.84	21.91	21.61
	1	49	21.75	21.97	21.47
	25	0	20.94	21.09	20.70
	25	12	20.91	20.84	20.71
	25	25	20.80	20.89	20.49
	50	0	20.77	20.90	20.76
64QAM	1	0	21.08	21.17	20.75
	1	24	20.87	21.00	20.97
	1	49	20.58	20.88	20.46
	25	0	19.81	20.06	19.81
	25	12	19.85	20.03	19.79
	25	25	19.67	19.81	19.57
	50	0	19.69	19.77	19.72
256QAM	1	0	17.90	18.24	17.91
	1	24	17.89	18.12	17.62
	1	49	17.86	17.95	17.85
	25	0	17.90	18.08	17.65
	25	12	17.81	17.86	17.58
	25	25	17.79	17.74	17.77
	50	0	17.81	17.64	17.70

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.44	23.08	21.44	23.08	30
16QAM	20.49	21.99	20.49	21.99	30
64QAM	19.57	21.17	19.57	21.17	30
256QAM	17.58	18.24	17.58	18.24	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132047	CH 132322	CH 132597
			1717.5 MHz	1745 MHz	1772.5 MHz
QPSK	1	0	22.97	22.98	22.87
	1	37	22.89	23.08	22.84
	1	74	22.95	22.89	22.75
	36	0	21.87	21.99	21.62
	36	19	21.77	21.98	21.66
	36	39	21.69	21.81	21.73
	75	0	21.56	21.73	21.72
16QAM	1	0	22.03	22.09	21.93
	1	37	21.82	21.88	21.54
	1	74	21.73	21.85	21.51
	36	0	21.02	21.07	20.76
	36	19	20.93	20.91	20.69
	36	39	20.68	20.86	20.59
	75	0	20.86	20.83	20.77
64QAM	1	0	21.08	21.24	20.90
	1	37	20.94	20.86	20.84
	1	74	20.81	20.88	20.54
	36	0	19.81	19.99	19.66
	36	19	19.70	19.93	19.77
	36	39	19.65	19.82	19.44
	75	0	19.59	19.68	19.59
256QAM	1	0	18.02	18.17	17.77
	1	37	18.01	18.01	17.78
	1	74	18.01	17.89	17.73
	36	0	17.91	17.91	17.77
	36	19	17.92	17.93	17.78
	36	39	17.65	17.88	17.61
	75	0	17.74	17.70	17.60

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.56	23.08	21.56	23.08	30
16QAM	20.59	22.09	20.59	22.09	30
64QAM	19.44	21.24	19.44	21.24	30
256QAM	17.6	18.17	17.6	18.17	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132072	CH 132322	CH 132572
			1720 MHz	1745 MHz	1770 MHz
QPSK	1	0	22.96	23.26	22.99
	1	50	23.06	23.06	22.76
	1	99	22.78	23.07	22.83
	50	0	21.90	22.01	21.56
	50	25	21.75	22.04	21.48
	50	50	21.82	21.83	21.73
	100	0	21.80	21.88	21.75
16QAM	1	0	21.94	22.25	21.75
	1	50	21.97	22.03	21.70
	1	99	21.96	21.91	21.77
	50	0	21.06	21.12	20.82
	50	25	20.94	20.87	20.78
	50	50	20.89	21.00	20.62
	100	0	20.85	20.84	20.65
64QAM	1	0	21.12	21.06	20.83
	1	50	21.08	21.00	20.81
	1	99	20.68	20.92	20.60
	50	0	19.87	20.01	19.81
	50	25	19.77	19.90	19.77
	50	50	19.68	19.84	19.74
	100	0	19.80	19.75	19.56
256QAM	1	0	18.09	18.12	17.93
	1	50	17.91	18.07	17.90
	1	99	17.86	18.04	17.75
	50	0	17.83	18.03	17.70
	50	25	17.82	18.00	17.78
	50	50	17.77	17.79	17.62
	100	0	17.70	17.88	17.62

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.48	23.26	21.48	23.26	30
16QAM	20.62	22.25	20.62	22.25	30
64QAM	19.56	21.12	19.56	21.12	30
256QAM	17.62	18.12	17.62	18.12	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.2 n260 + LTE Band 2/5/12/13/14/30/48/66

n260, Channel Bandwidth: 50 MHz

1CC

EUT position	Y-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	50	2229583	37025.04	1RB0	23.18
				1RB16	25.70
				1RB31	24.33
				Full RB	22.96
		2259997	38849.88	1RB0	22.65
				1RB16	25.89
				1RB31	23.42
				Full RB	22.47
		2278747	39974.88	1RB0	21.06
				1RB16	24.19
				1RB31	21.91
				Full RB	20.83
QPSK	50	2229583	37025.04	1RB0	22.92
				1RB16	25.56
				1RB31	24.10
				Full RB	22.62
		2259997	38849.88	1RB0	22.43
				1RB16	25.59
				1RB31	23.16
				Full RB	22.21
		2278747	39974.88	1RB0	20.85
				1RB16	24.05
				1RB31	21.63
				Full RB	20.77

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	50	2229583	37025.04	1RB0	22.27
				1RB16	24.77
				1RB31	23.40
				Full RB	22.03
		2259997	38849.88	1RB0	21.73
				1RB16	24.99
				1RB31	22.59
				Full RB	21.54
		2278747	39974.88	1RB0	20.20
				1RB16	23.42
				1RB31	20.94
				Full RB	20.13
64QAM	50	2229583	37025.04	1RB0	20.33
				1RB16	23.03
				1RB31	21.65
				Full RB	20.26
		2259997	38849.88	1RB0	20.03
				1RB16	23.13
				1RB31	20.67
				Full RB	19.67
		2278747	39974.88	1RB0	18.31
				1RB16	21.52
				1RB31	19.13
				Full RB	18.22

2CC

EUT position	Y-plane	Receive Antenna polarization	Horizontal

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	50	2229583+2230417	37050.06	1RB0	20.38
				1RB16	20.24
				1RB31	20.67
				Full RB	20.84
		2259583+2260417	38850.06	1RB0	19.32
				1RB16	19.58
				1RB31	19.57
				Full RB	20.29
		2277915+2278747	39949.92	1RB0	19.11
				1RB16	19.31
				1RB31	19.09
				Full RB	20.59
QPSK	50	2229583+2230417	37050.06	1RB0	20.28
				1RB16	20.06
				1RB31	20.52
				Full RB	20.65
		2259583+2260417	38850.06	1RB0	19.15
				1RB16	19.36
				1RB31	19.26
				Full RB	20.04
		2277915+2278747	39949.92	1RB0	18.77
				1RB16	18.88
				1RB31	18.96
				Full RB	20.35

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	50	2229583+2230417	37050.06	1RB0	19.93
				1RB16	19.97
				1RB31	20.20
				Full RB	20.50
		2259583+2260417	38850.06	1RB0	19.01
				1RB16	19.25
				1RB31	19.20
				Full RB	19.70
		2277915+2278747	39949.92	1RB0	18.73
				1RB16	18.60
				1RB31	18.85
				Full RB	19.95
64QAM	50	2229583+2230417	37050.06	1RB0	19.03
				1RB16	19.01
				1RB31	19.21
				Full RB	19.50
		2259583+2260417	38850.06	1RB0	17.99
				1RB16	18.21
				1RB31	18.09
				Full RB	18.92
		2277915+2278747	39949.92	1RB0	17.81
				1RB16	17.76
				1RB31	17.74
				Full RB	19.16

n260, Channel Bandwidth: 100 MHz

1CC

EUT position	Y-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	100	2229999	37050	1RB0	24.45
				1RB32	27.64
				1RB65	25.17
				Full RB	24.06
		2259997	38849.88	1RB0	23.71
				1RB32	26.18
				1RB65	23.54
				Full RB	23.31
		2278331	39949.92	1RB0	21.21
				1RB32	23.81
				1RB65	21.02
				Full RB	20.55
QPSK	100	2229999	37050	1RB0	24.29
				1RB32	27.41
				1RB65	24.81
				Full RB	24.05
		2259997	38849.88	1RB0	23.51
				1RB32	25.75
				1RB65	23.40
				Full RB	22.94
		2278331	39949.92	1RB0	20.97
				1RB32	23.56
				1RB65	20.74
				Full RB	20.56

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	100	2229999	37050	1RB0	23.74
				1RB32	26.95
				1RB65	24.33
				Full RB	23.51
		2259997	38849.88	1RB0	22.96
				1RB32	25.39
				1RB65	22.82
				Full RB	22.58
		2278331	39949.92	1RB0	20.48
				1RB32	23.29
				1RB65	20.12
				Full RB	20.08
64QAM	100	2229999	37050	1RB0	21.49
				1RB32	24.71
				1RB65	22.12
				Full RB	21.25
		2259997	38849.88	1RB0	20.91
				1RB32	23.12
				1RB65	20.74
				Full RB	20.34
		2278331	39949.92	1RB0	18.30
				1RB32	21.09
				1RB65	17.99
				Full RB	17.96

2CC

EUT position	X-plane	Receive Antenna polarization	Horizontal

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	100	2229999+2231665	37099.98	1RB0	20.29
				1RB32	20.37
				1RB65	20.22
				Full RB	21.88
		2259163+2260831	38850	1RB0	18.66
				1RB32	18.35
				1RB65	18.30
				Full RB	19.85
		2276663+2278331	39900	1RB0	18.54
				1RB32	18.44
				1RB65	18.86
				Full RB	19.32
QPSK	100	2229999+2231665	37099.98	1RB0	19.96
				1RB32	20.07
				1RB65	20.12
				Full RB	21.52
		2259163+2260831	38850	1RB0	18.31
				1RB32	18.31
				1RB65	18.20
				Full RB	19.86
		2276663+2278331	39900	1RB0	18.33
				1RB32	18.42
				1RB65	18.81
				Full RB	18.97

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	100	2229999+2231665	37099.98	1RB0	19.64
				1RB32	20.00
				1RB65	19.87
				Full RB	21.48
		2259163+2260831	38850	1RB0	18.26
				1RB32	18.08
				1RB65	17.96
				Full RB	19.54
		2276663+2278331	39900	1RB0	18.14
				1RB32	18.02
				1RB65	18.56
				Full RB	18.83
64QAM	100	2229999+2231665	37099.98	1RB0	19.28
				1RB32	19.45
				1RB65	19.22
				Full RB	20.74
		2259163+2260831	38850	1RB0	17.44
				1RB32	17.42
				1RB65	17.45
				Full RB	19.01
		2276663+2278331	39900	1RB0	17.58
				1RB32	17.35
				1RB65	18.09
				Full RB	18.13

LTE Band 2, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18607	CH 18900	CH 19193
			1850.7 MHz	1880 MHz	1909.3 MHz
QPSK	1	0	23.20	23.34	23.09
	1	2	22.84	23.03	23.13
	1	5	22.98	23.09	22.94
	3	0	22.87	23.05	22.95
	3	1	22.78	22.92	22.88
	3	3	22.68	22.73	22.83
	6	0	21.99	21.97	21.80
16QAM	1	0	22.23	22.30	22.25
	1	2	22.27	22.14	22.20
	1	5	22.04	22.10	21.93
	3	0	21.87	21.98	22.03
	3	1	22.03	22.08	21.91
	3	3	21.70	22.04	21.89
	6	0	20.74	20.98	21.01
64QAM	1	0	21.17	21.15	21.25
	1	2	21.12	21.17	21.11
	1	5	20.98	21.15	21.10
	3	0	21.00	21.11	21.15
	3	1	21.07	21.07	20.92
	3	3	20.88	21.06	20.87
	6	0	19.75	19.89	19.85
256QAM	1	0	17.89	18.21	18.08
	1	2	17.99	18.01	18.01
	1	5	17.73	18.03	18.04
	3	0	17.86	17.86	17.84
	3	1	17.77	17.95	17.94
	3	3	17.74	17.82	17.94
	6	0	17.70	17.91	17.74

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.8	23.34	21.9	23.44	33.01
16QAM	20.74	22.3	20.84	22.4	33.01
64QAM	19.75	21.25	19.85	21.35	33.01
256QAM	17.7	18.21	17.8	18.31	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18615	CH 18900	CH 19185
			1851.5 MHz	1880 MHz	1908.5 MHz
QPSK	1	0	23.10	23.17	23.19
	1	7	23.06	23.08	23.01
	1	14	23.10	22.99	23.09
	8	0	21.89	22.12	22.13
	8	3	21.78	22.01	21.93
	8	7	21.84	21.75	21.88
	15	0	21.75	21.96	21.84
16QAM	1	0	22.20	22.43	22.35
	1	7	22.10	22.10	22.23
	1	14	21.91	22.14	22.08
	8	0	21.08	21.00	21.13
	8	3	20.95	21.20	20.89
	8	7	20.81	20.93	20.78
	15	0	20.74	21.00	20.79
64QAM	1	0	21.29	21.25	21.19
	1	7	21.12	21.09	21.16
	1	14	20.90	21.01	21.06
	8	0	20.03	20.25	19.95
	8	3	20.09	20.09	20.09
	8	7	19.95	19.96	19.99
	15	0	19.74	20.00	19.77
256QAM	1	0	17.94	18.12	17.99
	1	7	18.00	18.15	18.08
	1	14	17.94	17.99	17.85
	8	0	17.79	18.08	17.99
	8	3	17.65	18.07	17.84
	8	7	17.64	17.93	17.84
	15	0	17.79	17.91	17.79

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.75	23.19	21.85	23.29	33.01
16QAM	20.74	22.43	20.84	22.53	33.01
64QAM	19.74	21.29	19.84	21.39	33.01
256QAM	17.64	18.15	17.74	18.25	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18625	CH 18900	CH 19175
			1852.5 MHz	1880 MHz	1907.5 MHz
QPSK	1	0	23.10	23.21	23.05
	1	12	22.98	22.97	22.87
	1	24	23.09	22.97	22.83
	12	0	21.94	22.01	22.01
	12	6	21.71	21.85	21.78
	12	13	21.71	21.80	21.78
	25	0	21.99	21.88	21.79
16QAM	1	0	22.07	22.31	22.20
	1	12	22.17	22.20	22.05
	1	24	22.00	22.14	21.91
	12	0	20.96	21.04	20.93
	12	6	20.97	20.90	20.84
	12	13	20.89	20.97	20.98
	25	0	20.66	20.89	20.75
64QAM	1	0	21.05	21.31	21.20
	1	12	20.98	21.20	21.14
	1	24	21.12	21.23	21.15
	12	0	20.10	20.16	19.95
	12	6	20.08	19.91	19.95
	12	13	19.99	19.86	19.82
	25	0	19.68	20.02	19.90
256QAM	1	0	18.15	18.13	18.00
	1	12	17.95	18.13	17.98
	1	24	17.73	18.00	17.97
	12	0	17.72	17.98	17.98
	12	6	17.69	17.98	17.93
	12	13	17.84	17.84	17.84
	25	0	17.74	17.73	17.87

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.71	23.21	21.81	23.31	33.01
16QAM	20.66	22.31	20.76	22.41	33.01
64QAM	19.68	21.31	19.78	21.41	33.01
256QAM	17.69	18.15	17.79	18.25	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18650	CH 18900	CH 19150
			1855 MHz	1880 MHz	1905 MHz
QPSK	1	0	23.14	23.20	23.32
	1	24	22.98	22.98	22.90
	1	49	23.11	23.04	23.00
	25	0	21.87	22.01	22.02
	25	12	21.82	22.01	21.77
	25	25	21.91	21.85	21.85
	50	0	21.77	21.91	21.76
16QAM	1	0	22.21	22.14	22.32
	1	24	22.06	22.26	21.99
	1	49	21.99	22.08	22.05
	25	0	20.91	21.00	21.12
	25	12	21.00	21.03	21.03
	25	25	20.76	20.93	20.73
	50	0	20.66	20.90	20.78
64QAM	1	0	21.24	21.36	21.10
	1	24	20.92	21.11	21.07
	1	49	20.96	21.05	20.99
	25	0	19.90	20.11	20.14
	25	12	19.98	19.95	19.92
	25	25	19.81	19.93	19.92
	50	0	19.75	19.96	19.76
256QAM	1	0	18.13	18.13	17.89
	1	24	17.90	18.09	18.06
	1	49	17.90	17.99	18.04
	25	0	17.70	18.14	17.80
	25	12	17.92	17.75	17.76
	25	25	17.87	18.00	17.79
	50	0	17.87	17.78	17.87

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.76	23.32	21.86	23.42	33.01
16QAM	20.66	22.32	20.76	22.42	33.01
64QAM	19.75	21.36	19.85	21.46	33.01
256QAM	17.7	18.14	17.8	18.24	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18675	CH 18900	CH 19125
			1857.5 MHz	1880 MHz	1902.5 MHz
QPSK	1	0	23.03	23.17	23.17
	1	37	22.84	22.96	23.02
	1	74	22.89	23.14	22.99
	36	0	21.92	22.01	22.05
	36	19	21.71	21.97	21.84
	36	39	21.84	21.81	21.81
	75	0	21.81	21.91	21.94
16QAM	1	0	22.10	22.27	22.28
	1	37	22.25	22.24	22.13
	1	74	22.02	22.20	21.96
	36	0	20.94	21.09	21.07
	36	19	20.89	20.90	20.89
	36	39	20.79	20.87	20.78
	75	0	20.72	20.79	20.73
64QAM	1	0	21.16	21.16	21.02
	1	37	21.06	21.24	21.11
	1	74	21.06	21.08	21.12
	36	0	19.98	20.02	19.93
	36	19	19.93	20.01	20.17
	36	39	19.87	19.85	19.82
	75	0	19.69	19.76	19.74
256QAM	1	0	18.00	18.05	18.06
	1	37	17.91	18.02	17.90
	1	74	17.81	18.09	17.86
	36	0	17.86	17.91	17.82
	36	19	17.68	18.01	17.89
	36	39	17.88	17.97	17.75
	75	0	17.87	17.97	17.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.71	23.17	21.81	23.27	33.01
16QAM	20.72	22.28	20.82	22.38	33.01
64QAM	19.69	21.24	19.79	21.34	33.01
256QAM	17.68	18.09	17.78	18.19	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18700	CH 18900	CH 19100
			1860 MHz	1880 MHz	1900 MHz
QPSK	1	0	23.07	23.33	23.17
	1	50	23.09	23.23	23.14
	1	99	23.04	23.11	22.96
	50	0	22.00	22.13	22.11
	50	25	21.83	21.96	22.03
	50	50	21.89	21.88	21.84
	100	0	21.84	21.93	22.02
16QAM	1	0	22.15	22.32	22.29
	1	50	22.25	22.20	22.29
	1	99	21.97	22.10	22.04
	50	0	20.95	21.23	21.23
	50	25	20.94	21.16	21.02
	50	50	20.88	20.86	20.83
	100	0	20.81	20.90	20.89
64QAM	1	0	21.14	21.39	21.20
	1	50	21.11	21.26	21.14
	1	99	21.03	21.01	21.23
	50	0	20.02	20.18	20.09
	50	25	20.08	20.16	19.96
	50	50	19.90	20.00	19.89
	100	0	19.70	19.91	19.90
256QAM	1	0	18.01	18.05	17.98
	1	50	17.91	18.02	18.03
	1	99	18.04	18.03	17.92
	50	0	17.77	18.05	18.06
	50	25	17.71	17.95	17.83
	50	50	17.76	17.84	17.96
	100	0	17.92	17.83	17.94

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.83	23.33	21.93	23.43	33.01
16QAM	20.81	22.32	20.91	22.42	33.01
64QAM	19.7	21.39	19.8	21.49	33.01
256QAM	17.71	18.06	17.81	18.16	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 5, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20407	CH 20525	CH 20643
			824.7 MHz	836.5 MHz	848.3 MHz
QPSK	1	0	22.78	23.08	23.16
	1	2	22.91	22.86	23.03
	1	5	22.58	22.90	22.71
	3	0	22.98	23.12	22.97
	3	1	22.76	22.85	22.97
	3	3	22.69	22.83	22.83
	6	0	21.83	21.91	21.82
16QAM	1	0	22.02	22.06	22.00
	1	2	21.94	22.17	21.96
	1	5	21.91	21.99	21.78
	3	0	21.79	22.02	22.02
	3	1	21.70	21.79	21.94
	3	3	21.82	21.69	21.73
	6	0	20.80	20.76	20.88
64QAM	1	0	21.14	21.13	21.20
	1	2	21.08	21.17	21.07
	1	5	20.94	20.97	20.77
	3	0	20.86	20.92	20.91
	3	1	21.07	21.06	21.14
	3	3	20.76	20.91	20.88
	6	0	19.83	19.85	19.79
256QAM	1	0	18.03	17.96	18.03
	1	2	17.87	18.08	17.91
	1	5	17.87	17.92	17.90
	3	0	17.74	17.98	17.82
	3	1	17.87	17.77	17.70
	3	3	17.78	17.90	17.80
	6	0	17.72	17.77	17.92

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.82	23.16	16.87	18.21	38.45
16QAM	20.76	22.17	15.81	17.22	38.45
64QAM	19.79	21.2	14.84	16.25	38.45
256QAM	17.7	18.08	12.75	13.13	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 5, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20415	CH 20525	CH 20635
			825.5 MHz	836.5 MHz	847.5 MHz
QPSK	1	0	22.77	23.17	23.07
	1	7	22.72	22.94	22.85
	1	14	22.76	22.69	22.82
	8	0	21.86	22.04	22.00
	8	3	21.81	22.00	21.95
	8	7	21.78	21.73	21.77
	15	0	21.66	21.96	21.87
16QAM	1	0	21.85	22.06	22.08
	1	7	21.89	22.11	21.85
	1	14	21.96	21.93	22.02
	8	0	20.93	20.92	20.89
	8	3	20.89	20.84	20.90
	8	7	20.86	20.81	20.73
	15	0	20.66	20.88	20.87
64QAM	1	0	21.02	21.19	21.05
	1	7	20.98	20.91	21.04
	1	14	20.89	21.11	20.95
	8	0	20.05	20.03	20.09
	8	3	20.07	19.95	19.86
	8	7	19.85	19.90	19.95
	15	0	19.92	19.88	19.98
256QAM	1	0	18.14	18.02	18.09
	1	7	17.72	17.94	17.83
	1	14	17.80	18.01	17.95
	8	0	17.86	18.05	17.84
	8	3	17.81	17.79	17.84
	8	7	17.77	17.82	17.83
	15	0	17.91	17.81	17.88

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.66	23.17	16.71	18.22	38.45
16QAM	20.66	22.11	15.71	17.16	38.45
64QAM	19.85	21.19	14.9	16.24	38.45
256QAM	17.72	18.14	12.77	13.19	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 5, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20425	CH 20525	CH 20625
			826.5 MHz	836.5 MHz	846.5 MHz
QPSK	1	0	22.90	23.10	23.04
	1	12	22.82	22.97	22.98
	1	24	22.72	22.72	22.66
	12	0	21.68	22.08	21.82
	12	6	21.93	21.75	21.70
	12	13	21.61	21.94	21.78
	25	0	21.72	21.92	21.93
16QAM	1	0	21.89	21.93	21.93
	1	12	21.97	21.87	21.91
	1	24	21.95	21.98	21.98
	12	0	20.75	20.89	20.92
	12	6	20.79	20.91	20.93
	12	13	20.61	20.66	20.82
	25	0	20.75	20.86	20.90
64QAM	1	0	21.13	21.00	21.23
	1	12	21.07	20.98	21.04
	1	24	20.78	21.04	20.88
	12	0	20.00	20.14	20.10
	12	6	20.04	20.10	19.86
	12	13	19.91	19.99	19.84
	25	0	19.88	20.01	19.77
256QAM	1	0	18.11	18.02	18.21
	1	12	17.97	17.88	18.00
	1	24	17.71	18.06	17.76
	12	0	17.74	18.16	17.81
	12	6	17.76	17.99	17.86
	12	13	17.62	17.89	17.66
	25	0	17.82	17.96	17.95

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.61	23.1	16.66	18.15	38.45
16QAM	20.61	21.98	15.66	17.03	38.45
64QAM	19.77	21.23	14.82	16.28	38.45
256QAM	17.62	18.21	12.67	13.26	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 5, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20450	CH 20525	CH 20600
			829 MHz	836.5 MHz	844 MHz
QPSK	1	0	22.86	23.12	22.97
	1	24	22.86	23.00	23.02
	1	49	22.74	22.76	22.67
	25	0	21.84	22.01	21.83
	25	12	21.74	21.90	21.99
	25	25	21.70	21.83	21.77
	50	0	21.84	21.79	21.92
16QAM	1	0	21.87	22.09	22.16
	1	24	21.93	22.14	21.93
	1	49	21.83	22.06	22.00
	25	0	20.99	20.92	20.91
	25	12	20.93	20.87	20.89
	25	25	20.76	20.79	20.87
	50	0	20.74	20.87	20.93
64QAM	1	0	21.17	21.08	21.20
	1	24	21.05	21.23	21.00
	1	49	20.97	21.00	21.06
	25	0	20.06	20.05	20.18
	25	12	19.90	20.02	19.94
	25	25	19.90	19.93	19.96
	50	0	19.84	19.86	19.81
256QAM	1	0	18.17	18.07	18.05
	1	24	17.81	17.95	17.96
	1	49	17.82	18.08	17.89
	25	0	17.85	17.94	17.89
	25	12	17.90	17.85	17.76
	25	25	17.83	17.97	17.72
	50	0	17.75	17.94	17.98

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.7	23.12	16.75	18.17	38.45
16QAM	20.74	22.16	15.79	17.21	38.45
64QAM	19.81	21.23	14.86	16.28	38.45
256QAM	17.72	18.17	12.77	13.22	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 12, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23017	CH 23095	CH 23173
			699.7 MHz	707.5 MHz	715.3 MHz
QPSK	1	0	23.02	23.17	22.96
	1	2	23.00	22.94	22.74
	1	5	22.92	23.08	22.69
	3	0	22.88	23.10	22.81
	3	1	22.94	22.88	22.90
	3	3	22.86	23.00	22.96
	6	0	21.83	21.86	21.70
16QAM	1	0	22.17	22.29	22.03
	1	2	22.12	22.21	22.12
	1	5	22.00	22.12	21.94
	3	0	22.01	21.98	22.01
	3	1	22.00	21.92	21.75
	3	3	21.97	21.80	21.78
	6	0	20.80	20.93	20.88
64QAM	1	0	21.10	21.13	21.20
	1	2	21.11	21.16	21.13
	1	5	20.93	21.10	21.00
	3	0	21.14	21.11	21.19
	3	1	21.11	20.95	20.92
	3	3	20.94	20.92	20.76
	6	0	19.85	19.87	19.73
256QAM	1	0	18.17	18.21	17.93
	1	2	17.95	18.07	17.95
	1	5	17.88	17.97	17.99
	3	0	17.93	17.91	17.95
	3	1	17.94	17.88	17.73
	3	3	17.57	17.93	17.54
	6	0	17.79	17.83	17.67

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.7	23.17	14.05	15.52	34.77
16QAM	20.8	22.29	13.15	14.64	34.77
64QAM	19.73	21.2	12.08	13.55	34.77
256QAM	17.54	18.21	9.89	10.56	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23025	CH 23095	CH 23165
			700.5 MHz	707.5 MHz	714.5 MHz
QPSK	1	0	22.90	23.01	22.99
	1	7	22.81	23.03	22.94
	1	14	22.80	22.94	22.83
	8	0	21.85	21.94	21.90
	8	3	21.89	22.00	21.77
	8	7	21.85	21.97	21.85
	15	0	21.91	21.81	21.91
16QAM	1	0	22.20	22.22	22.12
	1	7	22.14	22.03	22.19
	1	14	21.96	21.97	21.76
	8	0	21.10	21.00	21.01
	8	3	21.00	21.01	20.74
	8	7	20.87	20.88	20.73
	15	0	20.85	20.91	20.97
64QAM	1	0	21.09	21.14	21.22
	1	7	21.16	21.26	21.13
	1	14	21.01	20.89	20.85
	8	0	20.19	20.20	20.07
	8	3	19.97	19.88	20.12
	8	7	19.87	19.97	19.84
	15	0	19.78	19.94	19.85
256QAM	1	0	17.95	18.13	17.96
	1	7	18.01	18.08	17.96
	1	14	17.93	18.10	17.93
	8	0	18.00	17.90	17.94
	8	3	17.87	17.88	17.77
	8	7	17.62	17.75	17.71
	15	0	17.81	17.97	17.75

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.77	23.03	14.12	15.38	34.77
16QAM	20.73	22.22	13.08	14.57	34.77
64QAM	19.78	21.26	12.13	13.61	34.77
256QAM	17.62	18.13	9.97	10.48	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23035	CH 23095	CH 23155
			701.5 MHz	707.5 MHz	713.5 MHz
QPSK	1	0	23.08	23.12	22.84
	1	12	22.99	22.93	23.01
	1	24	22.82	22.93	22.70
	12	0	22.07	22.00	22.11
	12	6	21.81	21.84	21.83
	12	13	21.74	21.72	21.91
	25	0	21.83	21.77	21.74
16QAM	1	0	22.14	22.25	21.91
	1	12	22.03	22.13	21.97
	1	24	22.04	22.13	21.77
	12	0	21.00	21.14	21.04
	12	6	20.84	21.07	20.94
	12	13	20.91	20.85	20.80
	25	0	20.79	20.84	21.02
64QAM	1	0	21.03	21.29	21.12
	1	12	21.19	21.13	21.26
	1	24	20.81	20.91	20.85
	12	0	20.21	20.02	19.92
	12	6	20.13	20.09	19.88
	12	13	19.82	19.88	19.83
	25	0	19.76	19.78	19.82
256QAM	1	0	18.20	18.15	18.02
	1	12	18.12	17.96	17.85
	1	24	17.92	17.89	17.85
	12	0	18.00	17.98	17.79
	12	6	17.94	17.79	17.74
	12	13	17.61	17.74	17.68
	25	0	17.86	17.90	17.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.72	23.12	14.07	15.47	34.77
16QAM	20.79	22.25	13.14	14.6	34.77
64QAM	19.76	21.29	12.11	13.64	34.77
256QAM	17.61	18.2	9.96	10.55	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 12, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23060	CH 23095	CH 23130
			704 MHz	707.5 MHz	711 MHz
QPSK	1	0	22.97	23.22	22.87
	1	24	22.96	23.16	22.90
	1	49	23.03	22.96	22.79
	25	0	21.92	22.09	21.87
	25	12	21.93	22.02	21.80
	25	25	21.95	21.84	21.81
	50	0	21.98	21.83	21.78
16QAM	1	0	22.25	22.29	21.97
	1	24	22.02	22.21	22.02
	1	49	21.93	22.11	21.86
	25	0	21.19	21.04	21.09
	25	12	20.99	20.88	21.04
	25	25	20.98	20.94	20.68
	50	0	20.87	21.02	20.83
64QAM	1	0	21.13	21.27	21.25
	1	24	21.32	21.15	21.16
	1	49	20.83	21.02	20.83
	25	0	20.15	20.06	20.02
	25	12	20.03	20.05	20.02
	25	25	20.06	20.00	19.90
	50	0	19.85	19.80	19.80
256QAM	1	0	18.10	18.18	18.08
	1	24	18.08	18.05	17.96
	1	49	17.90	17.90	17.97
	25	0	17.94	18.13	17.99
	25	12	17.92	17.86	17.99
	25	25	17.86	17.92	17.75
	50	0	17.76	17.75	17.76

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.78	23.22	14.13	15.57	34.77
16QAM	20.68	22.29	13.03	14.64	34.77
64QAM	19.8	21.32	12.15	13.67	34.77
256QAM	17.75	18.18	10.1	10.53	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 13, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23205	CH 23230	CH 23255
			779.5 MHz	782 MHz	784.5 MHz
QPSK	1	0	23.07	23.10	23.13
	1	12	22.91	22.99	23.02
	1	24	22.88	22.86	23.02
	12	0	21.93	22.17	21.95
	12	6	21.84	21.95	21.77
	12	13	21.92	21.90	21.89
	25	0	21.76	21.72	21.76
16QAM	1	0	22.28	22.04	22.06
	1	12	22.03	22.08	22.13
	1	24	21.86	21.99	21.95
	12	0	20.86	20.99	21.10
	12	6	20.85	20.81	20.86
	12	13	20.81	20.88	20.92
	25	0	20.88	20.79	20.75
64QAM	1	0	21.10	21.09	21.02
	1	12	20.93	20.93	21.17
	1	24	20.89	20.94	20.85
	12	0	19.97	20.02	20.04
	12	6	19.91	19.93	19.79
	12	13	19.90	19.74	19.73
	25	0	19.92	19.94	19.86
256QAM	1	0	18.09	17.94	17.85
	1	12	17.87	17.88	18.06
	1	24	17.81	17.91	18.05
	12	0	17.90	17.85	17.86
	12	6	17.77	17.83	17.96
	12	13	17.86	17.92	17.67
	25	0	17.72	17.67	17.88

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.72	23.13	16.97	18.38	34.77
16QAM	20.75	22.28	16	17.53	34.77
64QAM	19.73	21.17	14.98	16.42	34.77
256QAM	17.67	18.09	12.92	13.34	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 13, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23230
			782 MHz
QPSK	1	0	22.97
	1	24	22.94
	1	49	22.98
	25	0	22.05
	25	12	22.08
	25	25	21.89
	50	0	21.78
16QAM	1	0	22.15
	1	24	21.96
	1	49	21.86
	25	0	21.14
	25	12	20.98
	25	25	20.91
	50	0	20.82
64QAM	1	0	21.19
	1	24	21.15
	1	49	20.88
	25	0	20.07
	25	12	20.07
	25	25	19.92
	50	0	19.87
256QAM	1	0	18.13
	1	24	18.00
	1	49	18.00
	25	0	17.93
	25	12	17.90
	25	25	17.87
	50	0	17.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.78	22.98	17.03	18.23	34.77
16QAM	20.82	22.15	16.07	17.4	34.77
64QAM	19.87	21.19	15.12	16.44	34.77
256QAM	17.83	18.13	13.08	13.38	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 14, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23305	CH 23330	CH 23355
			790.5 MHz	793 MHz	795.5 MHz
QPSK	1	0	23.07	22.95	22.99
	1	12	23.09	22.81	22.94
	1	24	22.85	22.69	22.77
	12	0	22.06	22.01	22.07
	12	6	21.86	21.76	21.87
	12	13	21.75	21.81	21.77
	25	0	21.87	21.93	21.82
16QAM	1	0	22.22	22.10	22.01
	1	12	21.98	21.93	22.06
	1	24	21.94	21.87	21.89
	12	0	20.87	21.02	20.95
	12	6	20.82	21.02	20.92
	12	13	20.88	20.82	20.83
	25	0	20.92	21.05	20.99
64QAM	1	0	20.89	21.14	21.09
	1	12	20.90	20.92	20.93
	1	24	20.98	20.81	20.84
	12	0	20.06	19.88	19.94
	12	6	20.03	19.87	19.92
	12	13	19.90	19.90	20.01
	25	0	19.87	19.80	19.94
256QAM	1	0	18.16	18.05	18.12
	1	12	17.92	18.10	18.07
	1	24	18.06	17.97	17.84
	12	0	17.90	18.04	18.02
	12	6	17.89	18.03	17.85
	12	13	17.78	17.75	17.75
	25	0	17.70	17.83	17.74

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.75	23.09	17	18.34	34.77
16QAM	20.82	22.22	16.07	17.47	34.77
64QAM	19.8	21.14	15.05	16.39	34.77
256QAM	17.7	18.16	12.95	13.41	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 14, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23330
			793 MHz
QPSK	1	0	22.91
	1	24	23.00
	1	49	22.93
	25	0	22.00
	25	12	21.86
	25	25	21.87
	50	0	21.72
16QAM	1	0	22.22
	1	24	21.93
	1	49	22.05
	25	0	21.11
	25	12	21.10
	25	25	21.03
	50	0	21.02
64QAM	1	0	21.12
	1	24	20.86
	1	49	20.91
	25	0	20.04
	25	12	19.87
	25	25	19.96
	50	0	19.98
256QAM	1	0	18.22
	1	24	18.17
	1	49	17.94
	25	0	18.02
	25	12	17.86
	25	25	17.77
	50	0	17.92

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.72	23	16.97	18.25	34.77
16QAM	21.02	22.22	16.27	17.47	34.77
64QAM	19.87	21.12	15.12	16.37	34.77
256QAM	17.77	18.22	13.02	13.47	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 30, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 27685	CH 27710	CH 27735
			2307.5 MHz	2310 MHz	2312.5 MHz
QPSK	1	0	21.45	21.52	21.45
	1	12	21.35	21.45	21.51
	1	24	21.48	21.33	21.33
	12	0	20.38	20.57	20.48
	12	6	20.31	20.43	20.25
	12	13	20.38	20.46	20.45
	25	0	20.37	20.22	20.30
16QAM	1	0	20.55	20.65	20.62
	1	12	20.62	20.40	20.60
	1	24	20.36	20.52	20.52
	12	0	19.71	19.50	19.47
	12	6	19.41	19.52	19.31
	12	13	19.27	19.35	19.42
	25	0	19.30	19.23	19.34
64QAM	1	0	19.76	19.62	19.45
	1	12	19.51	19.69	19.58
	1	24	19.25	19.36	19.31
	12	0	18.30	18.48	18.43
	12	6	18.35	18.47	18.48
	12	13	18.39	18.43	18.42
	25	0	18.19	18.25	18.38
256QAM	1	0	16.65	16.61	16.64
	1	12	16.44	16.48	16.54
	1	24	16.35	16.42	16.30
	12	0	16.40	16.58	16.49
	12	6	16.26	16.32	16.48
	12	13	16.29	16.24	16.40
	25	0	16.30	16.25	16.33

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.22	21.52	18.82	20.12	23.98
16QAM	19.23	20.65	17.83	19.25	23.98
64QAM	18.19	19.76	16.79	18.36	23.98
256QAM	16.24	16.65	14.84	15.25	23.98

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 30, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 27710
			2310 MHz
QPSK	1	0	21.61
	1	24	21.66
	1	49	21.50
	25	0	20.56
	25	12	20.51
	25	25	20.28
	50	0	20.44
16QAM	1	0	20.67
	1	24	20.49
	1	49	20.39
	25	0	19.70
	25	12	19.58
	25	25	19.48
	50	0	19.39
64QAM	1	0	19.67
	1	24	19.52
	1	49	19.57
	25	0	18.52
	25	12	18.53
	25	25	18.28
	50	0	18.20
256QAM	1	0	16.60
	1	24	16.43
	1	49	16.55
	25	0	16.65
	25	12	16.42
	25	25	16.44
	50	0	16.32

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.28	21.66	18.88	20.26	23.98
16QAM	19.39	20.67	17.99	19.27	23.98
64QAM	18.2	19.67	16.8	18.27	23.98
256QAM	16.32	16.65	14.92	15.25	23.98

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 30, Channel Bandwidth: 10 MHz (per 5 MHz)

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 27710
			2310 MHz
QPSK	1	0	21.52
	1	24	21.51
	1	49	21.37
	25	0	19.22
	25	12	19.2
	25	25	19.05
	50	0	17.77
16QAM	1	0	20.5
	1	24	20.29
	1	49	20.35
	25	0	18.49
	25	12	18.21
	25	25	18.18
	50	0	16.66
64QAM	1	0	19.52
	1	24	19.41
	1	49	19.45
	25	0	17.26
	25	12	17.27
	25	25	17.02
	50	0	15.64
256QAM	1	0	16.44
	1	24	16.23
	1	49	16.4
	25	0	15.34
	25	12	15.17
	25	25	15.18
	50	0	13.69

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.77	21.52	16.37	20.12	23.98
16QAM	16.66	20.5	15.26	19.1	23.98
64QAM	15.64	19.52	14.24	18.12	23.98
256QAM	13.69	16.44	12.29	15.04	23.98

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55265	CH 55990	CH 56715
			3552.5 MHz	3625 MHz	3697.5 MHz
QPSK	1	0	22.01	21.96	22.09
	1	12	22.06	21.82	21.88
	1	24	21.78	21.75	22.02
	12	0	21.15	21.02	20.99
	12	6	20.93	20.94	21.01
	12	13	20.92	20.91	20.74
	25	0	20.81	20.86	20.92
16QAM	1	0	21.04	21.18	20.96
	1	12	20.89	20.92	20.99
	1	24	20.87	20.48	21.01
	12	0	20.05	19.78	20.10
	12	6	19.83	19.95	19.95
	12	13	20.09	19.80	19.91
	25	0	19.96	19.62	19.96
64QAM	1	0	20.08	19.95	20.04
	1	12	20.10	19.86	19.79
	1	24	19.77	19.85	19.87
	12	0	19.14	18.94	19.12
	12	6	18.94	18.65	19.01
	12	13	19.03	18.65	18.97
	25	0	18.90	18.76	18.80
256QAM	1	0	17.25	16.73	17.06
	1	12	17.00	16.70	16.94
	1	24	16.91	16.50	16.79
	12	0	17.05	16.80	17.09
	12	6	17.15	16.69	16.86
	12	13	16.84	16.75	16.82
	25	0	16.76	16.68	17.04

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.74	22.09	18.74	20.09	23
16QAM	19.62	21.18	17.62	19.18	23
64QAM	18.65	20.10	16.65	18.10	23
256QAM	16.50	17.25	14.50	15.25	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55290	CH 55990	CH 56690
			3555 MHz	3625 MHz	3695 MHz
QPSK	1	0	22.22	22.01	22.15
	1	24	22.04	21.81	21.82
	1	49	21.75	21.75	21.85
	25	0	20.96	21.09	20.97
	25	12	20.89	21.00	20.98
	25	25	20.98	20.89	20.90
	50	0	20.89	20.95	20.89
16QAM	1	0	21.11	21.00	21.05
	1	24	21.00	20.92	21.02
	1	49	20.94	20.77	20.73
	25	0	20.02	20.06	19.99
	25	12	19.88	19.86	20.08
	25	25	19.95	19.75	20.01
	50	0	20.09	19.58	20.05
64QAM	1	0	19.97	19.98	20.09
	1	24	19.93	20.03	20.01
	1	49	19.76	19.89	19.92
	25	0	19.17	18.99	19.09
	25	12	18.77	18.95	19.01
	25	25	18.92	18.73	19.04
	50	0	18.93	18.88	18.76
256QAM	1	0	17.09	17.07	17.06
	1	24	17.03	16.79	17.06
	1	49	16.81	16.54	16.88
	25	0	17.02	16.89	16.96
	25	12	16.90	16.81	17.00
	25	25	16.99	16.85	16.91
	50	0	16.82	16.88	16.79

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.89	22.22	18.89	20.22	23
16QAM	19.58	21.11	17.58	19.11	23
64QAM	18.73	20.09	16.73	18.09	23
256QAM	16.54	17.09	14.54	15.09	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55315	CH 55990	CH 56665
			3557.5 MHz	3625 MHz	3692.5 MHz
QPSK	1	0	22.06	22.03	22.12
	1	37	21.95	22.00	21.93
	1	74	21.83	21.93	21.91
	36	0	21.09	21.12	21.10
	36	19	21.01	21.21	20.86
	36	39	20.78	21.02	20.81
	75	0	20.98	21.09	20.93
16QAM	1	0	21.05	21.25	21.10
	1	37	21.00	20.90	21.00
	1	74	21.04	20.85	20.88
	36	0	20.01	20.04	20.08
	36	19	19.89	19.96	19.92
	36	39	19.77	19.88	19.83
	75	0	19.92	19.90	19.95
64QAM	1	0	20.19	20.09	19.96
	1	37	20.07	19.85	19.78
	1	74	19.90	19.92	19.78
	36	0	18.88	18.99	19.01
	36	19	18.99	19.14	19.02
	36	39	19.02	18.75	18.79
	75	0	18.89	18.89	18.87
256QAM	1	0	17.19	17.04	17.13
	1	37	16.86	16.96	17.01
	1	74	17.03	16.80	16.72
	36	0	16.96	17.14	17.02
	36	19	16.98	16.93	16.96
	36	39	17.03	16.93	17.00
	75	0	16.86	16.94	16.78

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.78	22.12	18.78	20.12	23
16QAM	19.77	21.25	17.77	19.25	23
64QAM	18.75	20.19	16.75	18.19	23
256QAM	16.72	17.19	14.72	15.19	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55340	CH 55990	CH 56640
			3560 MHz	3625 MHz	3690 MHz
QPSK	1	0	22.19	22.14	22.23
	1	50	21.96	22.24	22.06
	1	99	21.85	21.93	21.80
	50	0	21.05	21.07	21.19
	50	25	20.91	21.26	20.91
	50	50	21.04	21.02	20.86
	100	0	21.17	21.17	20.86
16QAM	1	0	21.22	21.23	21.02
	1	50	20.88	21.10	20.91
	1	99	20.86	20.97	20.98
	50	0	20.12	20.14	19.95
	50	25	20.13	20.04	20.05
	50	50	19.81	19.76	19.96
	100	0	20.00	19.85	19.98
64QAM	1	0	20.22	20.07	20.31
	1	50	19.98	20.06	20.25
	1	99	19.91	19.85	19.99
	50	0	19.13	19.08	19.23
	50	25	19.10	19.19	19.08
	50	50	18.76	19.03	19.01
	100	0	18.95	18.96	18.89
256QAM	1	0	17.08	17.16	17.16
	1	50	16.90	16.90	16.95
	1	99	17.02	16.99	16.88
	50	0	17.11	17.08	17.19
	50	25	17.00	17.02	16.87
	50	50	16.99	16.96	16.91
	100	0	16.89	17.03	16.78

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.86	22.24	18.86	20.24	23
16QAM	19.76	21.23	17.76	19.23	23
64QAM	18.76	20.31	16.76	18.31	23
256QAM	16.78	17.19	14.78	15.19	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 15 MHz (per 10 MHz)

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55315	CH 55990	CH 56665
			3557.5 MHz	3625 MHz	3692.5 MHz
QPSK	1	0	21.79	22.24	22.08
	1	37	21.82	22.27	22.19
	1	74	22.00	22.16	21.96
	36	0	21.12	21.18	21.39
	36	19	21.13	21.14	21.12
	36	39	20.80	21.15	20.81
	75	0	18.06	18.29	18.03
16QAM	1	0	21.10	21.31	21.16
	1	37	20.93	21.13	21.14
	1	74	21.12	21.05	21.15
	36	0	20.29	20.61	20.31
	36	19	20.18	20.09	20.03
	36	39	20.00	20.16	20.15
	75	0	17.23	17.23	17.35
64QAM	1	0	20.32	20.26	20.13
	1	37	20.06	20.32	20.09
	1	74	20.04	20.23	20.01
	36	0	19.07	19.29	19.00
	36	19	19.03	19.38	19.18
	36	39	19.08	18.99	19.21
	75	0	16.34	16.31	16.23
256QAM	1	0	17.39	17.50	17.47
	1	37	17.38	17.42	17.41
	1	74	17.18	17.32	17.14
	36	0	17.32	17.49	17.22
	36	19	17.11	17.43	17.23
	36	39	17.16	17.03	17.15
	75	0	16.26	16.35	16.29

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.03	22.27	16.03	20.27	23.00
16QAM	17.23	21.31	15.23	19.31	23.00
64QAM	16.23	20.32	14.23	18.32	23.00
256QAM	16.26	17.50	14.26	15.50	23.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 20 MHz (per 10 MHz)

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55340	CH 55990	CH 56640
			3560 MHz	3625 MHz	3690 MHz
QPSK	1	0	22.05	22.20	22.01
	1	50	21.92	22.25	22.07
	1	99	21.97	21.92	21.93
	50	0	21.31	21.23	21.24
	50	25	21.18	21.15	21.19
	50	50	21.09	21.04	21.08
	100	0	17.95	17.90	18.00
16QAM	1	0	21.25	21.32	21.44
	1	50	21.11	21.32	21.09
	1	99	21.02	21.40	21.33
	50	0	20.42	20.39	20.26
	50	25	20.07	20.50	20.21
	50	50	20.15	20.29	20.17
	100	0	17.02	17.18	16.99
64QAM	1	0	20.13	20.39	20.19
	1	50	20.32	20.34	20.27
	1	99	20.28	20.27	20.21
	50	0	19.10	19.28	19.29
	50	25	19.19	19.29	19.10
	50	50	18.93	19.16	19.06
	100	0	16.11	16.19	16.12
256QAM	1	0	17.38	17.58	17.43
	1	50	17.29	17.61	17.52
	1	99	17.27	17.30	17.12
	50	0	17.27	17.44	17.40
	50	25	17.40	17.21	17.36
	50	50	17.20	17.31	16.99
	100	0	16.07	16.09	16.01

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.90	22.25	15.90	20.25	23.00
16QAM	16.99	21.44	14.99	19.44	23.00
64QAM	16.11	20.39	14.11	18.39	23.00
256QAM	16.01	17.61	14.01	15.61	23.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131979	CH 132322	CH 132665
			1710.7 MHz	1745 MHz	1779.3 MHz
QPSK	1	0	22.90	22.92	22.95
	1	2	22.99	23.12	22.74
	1	5	22.71	22.87	22.89
	3	0	22.87	23.11	22.68
	3	1	22.69	23.02	22.44
	3	3	22.82	22.83	22.47
	6	0	21.62	21.76	21.69
16QAM	1	0	22.05	22.15	21.70
	1	2	21.72	22.08	21.60
	1	5	21.76	21.99	21.70
	3	0	21.84	22.01	21.82
	3	1	21.70	21.93	21.81
	3	3	21.67	21.91	21.69
	6	0	20.74	20.76	20.72
64QAM	1	0	20.89	21.22	20.89
	1	2	20.96	20.94	20.80
	1	5	20.60	21.03	20.46
	3	0	20.90	21.13	20.80
	3	1	20.81	21.03	20.74
	3	3	20.71	20.96	20.59
	6	0	19.59	19.77	19.57
256QAM	1	0	17.88	18.06	17.84
	1	2	17.91	18.19	17.78
	1	5	17.89	18.08	17.84
	3	0	17.84	18.07	17.53
	3	1	17.75	17.83	17.67
	3	3	17.70	17.94	17.54
	6	0	17.61	17.71	17.44

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.62	23.12	21.62	23.12	30
16QAM	20.72	22.15	20.72	22.15	30
64QAM	19.57	21.22	19.57	21.22	30
256QAM	17.44	18.19	17.44	18.19	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131987	CH 132322	CH 132657
			1711.5 MHz	1745 MHz	1778.5 MHz
QPSK	1	0	22.93	23.23	22.94
	1	7	22.97	23.09	22.67
	1	14	22.98	23.05	22.85
	8	0	21.90	22.11	21.61
	8	3	21.65	21.94	21.69
	8	7	21.81	21.93	21.65
	15	0	21.80	21.70	21.57
16QAM	1	0	22.00	22.10	21.83
	1	7	21.91	21.90	21.58
	1	14	21.70	21.89	21.61
	8	0	20.77	21.14	20.87
	8	3	20.80	21.11	20.61
	8	7	20.63	20.79	20.79
	15	0	20.87	20.91	20.67
64QAM	1	0	21.00	21.09	20.75
	1	7	20.85	20.96	20.88
	1	14	20.60	20.82	20.66
	8	0	19.76	20.00	19.72
	8	3	19.90	19.92	19.75
	8	7	19.67	19.86	19.45
	15	0	19.78	19.85	19.60
256QAM	1	0	17.93	18.08	17.93
	1	7	17.84	18.01	17.67
	1	14	17.90	18.12	17.88
	8	0	17.85	18.09	17.64
	8	3	17.67	17.77	17.69
	8	7	17.65	17.91	17.71
	15	0	17.60	17.82	17.61

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.57	23.23	21.57	23.23	30
16QAM	20.61	22.1	20.61	22.1	30
64QAM	19.45	21.09	19.45	21.09	30
256QAM	17.6	18.12	17.6	18.12	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131997	CH 132322	CH 132647
			1712.5 MHz	1745 MHz	1777.5 MHz
QPSK	1	0	23.12	23.15	22.95
	1	12	22.99	22.91	22.73
	1	24	22.85	22.90	22.84
	12	0	21.66	21.88	21.68
	12	6	21.65	22.00	21.54
	12	13	21.69	21.70	21.64
	25	0	21.64	21.89	21.77
16QAM	1	0	21.99	22.15	21.94
	1	12	21.86	22.14	21.58
	1	24	21.78	21.91	21.61
	12	0	20.92	20.87	20.72
	12	6	20.78	20.93	20.76
	12	13	20.73	20.87	20.78
	25	0	20.83	20.95	20.78
64QAM	1	0	21.12	21.03	20.77
	1	12	20.92	20.92	20.82
	1	24	20.65	21.00	20.55
	12	0	19.88	19.93	19.77
	12	6	19.77	20.02	19.75
	12	13	19.75	19.88	19.57
	25	0	19.59	19.75	19.57
256QAM	1	0	17.84	18.10	17.90
	1	12	17.97	18.06	17.65
	1	24	18.02	18.04	17.72
	12	0	17.74	18.13	17.64
	12	6	17.77	17.84	17.77
	12	13	17.61	17.79	17.72
	25	0	17.63	17.78	17.56

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.54	23.15	21.54	23.15	30
16QAM	20.72	22.15	20.72	22.15	30
64QAM	19.57	21.12	19.57	21.12	30
256QAM	17.56	18.13	17.56	18.13	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132022	CH 132322	CH 132622
			1715 MHz	1745 MHz	1775 MHz
QPSK	1	0	22.88	23.11	22.86
	1	24	23.08	23.10	22.75
	1	49	22.74	22.95	22.75
	25	0	21.79	21.95	21.74
	25	12	21.57	21.93	21.56
	25	25	21.71	21.88	21.57
	50	0	21.73	21.78	21.59
16QAM	1	0	21.93	21.96	21.75
	1	24	21.88	22.08	21.66
	1	49	21.89	21.89	21.60
	25	0	21.02	20.98	20.59
	25	12	20.88	21.05	20.79
	25	25	20.77	20.92	20.54
	50	0	20.82	20.92	20.79
64QAM	1	0	21.20	21.05	20.96
	1	24	20.99	21.07	20.89
	1	49	20.68	20.92	20.51
	25	0	19.86	20.09	19.59
	25	12	19.90	19.90	19.73
	25	25	19.74	19.81	19.46
	50	0	19.77	19.72	19.55
256QAM	1	0	17.96	18.24	17.93
	1	24	17.91	18.10	17.78
	1	49	17.77	17.85	17.84
	25	0	17.79	18.04	17.62
	25	12	17.93	17.92	17.76
	25	25	17.71	17.80	17.63
	50	0	17.75	17.71	17.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.56	23.11	21.56	23.11	30
16QAM	20.54	22.08	20.54	22.08	30
64QAM	19.46	21.2	19.46	21.2	30
256QAM	17.62	18.24	17.62	18.24	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132047	CH 132322	CH 132597
			1717.5 MHz	1745 MHz	1772.5 MHz
QPSK	1	0	23.02	23.11	22.87
	1	37	22.95	22.88	22.91
	1	74	22.79	22.81	22.88
	36	0	21.91	21.85	21.49
	36	19	21.67	21.90	21.53
	36	39	21.69	21.73	21.72
	75	0	21.66	21.90	21.79
16QAM	1	0	21.89	22.00	21.81
	1	37	21.97	21.94	21.71
	1	74	21.70	21.95	21.65
	36	0	20.91	20.99	20.69
	36	19	20.80	20.98	20.72
	36	39	20.69	20.73	20.52
	75	0	20.76	20.95	20.79
64QAM	1	0	20.95	21.09	20.86
	1	37	21.02	21.11	20.84
	1	74	20.73	21.00	20.45
	36	0	19.98	19.91	19.81
	36	19	19.84	20.03	19.74
	36	39	19.69	19.90	19.66
	75	0	19.71	19.83	19.54
256QAM	1	0	17.99	18.21	17.90
	1	37	17.85	18.04	17.63
	1	74	18.05	17.95	17.70
	36	0	17.90	17.95	17.80
	36	19	17.72	17.99	17.59
	36	39	17.61	17.70	17.50
	75	0	17.61	17.73	17.55

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.49	23.11	21.49	23.11	30
16QAM	20.52	22	20.52	22	30
64QAM	19.54	21.11	19.54	21.11	30
256QAM	17.5	18.21	17.5	18.21	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132072	CH 132322	CH 132572
			1720 MHz	1745 MHz	1770 MHz
QPSK	1	0	22.97	23.10	22.87
	1	50	23.02	22.99	22.90
	1	99	23.02	22.93	22.83
	50	0	21.81	22.14	21.74
	50	25	21.77	21.86	21.50
	50	50	21.81	21.79	21.60
	100	0	21.67	21.88	21.83
16QAM	1	0	21.96	22.20	21.81
	1	50	21.90	22.04	21.68
	1	99	21.95	21.99	21.59
	50	0	21.05	21.15	20.77
	50	25	21.02	21.10	20.68
	50	50	20.71	20.93	20.66
	100	0	20.78	21.00	20.67
64QAM	1	0	21.06	21.14	20.81
	1	50	20.99	21.01	20.76
	1	99	20.88	20.93	20.67
	50	0	19.81	20.00	19.90
	50	25	19.93	19.90	19.86
	50	50	19.66	19.94	19.56
	100	0	19.65	19.82	19.57
256QAM	1	0	17.98	18.26	17.80
	1	50	18.03	18.13	17.90
	1	99	18.07	17.99	17.78
	50	0	17.93	18.16	17.80
	50	25	17.92	17.96	17.84
	50	50	17.66	17.75	17.47
	100	0	17.73	17.75	17.56

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.5	23.1	21.5	23.1	30
16QAM	20.66	22.2	20.66	22.2	30
64QAM	19.56	21.14	19.56	21.14	30
256QAM	17.47	18.26	17.47	18.26	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.3 n261 + LTE Band 2/5/13/48/66

n261, Channel Bandwidth: 50 MHz

1CC

EUT position	X-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	50	2071249	27525	1RB0	26.83
				1RB16	27.71
				1RB31	26.70
				Full RB	26.38
		2077891	27923.52	1RB0	25.46
				1RB16	26.82
				1RB31	25.80
				Full RB	25.19
		2084581	28324.98	1RB0	25.32
				1RB16	25.69
				1RB31	25.10
				Full RB	24.78
QPSK	50	2071249	27525	1RB0	26.59
				1RB16	27.61
				1RB31	26.40
				Full RB	26.11
		2077891	27923.52	1RB0	25.24
				1RB16	26.57
				1RB31	25.68
				Full RB	25.11
		2084581	28324.98	1RB0	24.86
				1RB16	25.51
				1RB31	24.83
				Full RB	24.63

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	50	2071249	27525	1RB0	25.68
				1RB16	26.62
				1RB31	25.57
				Full RB	25.39
		2077891	27923.52	1RB0	24.44
				1RB16	25.54
				1RB31	24.65
				Full RB	24.32
		2084581	28324.98	1RB0	24.12
				1RB16	24.66
				1RB31	23.89
				Full RB	23.71
64QAM	50	2071249	27525	1RB0	23.83
				1RB16	24.81
				1RB31	23.77
				Full RB	23.42
		2077891	27923.52	1RB0	22.49
				1RB16	23.74
				1RB31	22.78
				Full RB	22.33
		2084581	28324.98	1RB0	22.05
				1RB16	22.82
				1RB31	22.06
				Full RB	21.90

2CC

EUT position	X-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	50	2071249+2072083	27550.02	1RB0	22.99
				1RB16	22.80
				1RB31	22.62
				Full RB	23.91
		2077499+2078333	27925.02	1RB0	21.72
				1RB16	22.13
				1RB31	22.00
				Full RB	22.25
		2083747+2084581	28299.9	1RB0	21.51
				1RB16	21.25
				1RB31	21.10
				Full RB	21.78
QPSK	50	2071249+2072803	27550.02	1RB0	22.98
				1RB16	22.86
				1RB31	22.37
				Full RB	23.48
		2077499+2078333	27925.02	1RB0	21.45
				1RB16	21.98
				1RB31	21.80
				Full RB	22.23
		2083747+2084581	28299.9	1RB0	21.35
				1RB16	21.32
				1RB31	21.13
				Full RB	21.52

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	50	2071249+2072803	27550.02	1RB0	22.80
				1RB16	22.53
				1RB31	22.33
				Full RB	23.45
		2077499+2078333	27925.02	1RB0	21.23
				1RB16	21.73
				1RB31	21.53
				Full RB	21.83
		2083747+2084581	28299.9	1RB0	21.04
				1RB16	20.93
				1RB31	20.82
				Full RB	21.49
64QAM	50	2071249+2072803	27550.02	1RB0	21.66
				1RB16	21.31
				1RB31	21.09
				Full RB	22.44
		2077499+2078333	27925.02	1RB0	20.31
				1RB16	20.36
				1RB31	20.35
				Full RB	20.93
		2083747+2084581	28299.9	1RB0	19.98
				1RB16	19.71
				1RB31	19.59
				Full RB	20.15

n261, Channel Bandwidth: 100 MHz

1CC

EUT position	Y-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	100	2071821	27559.32	1RB0	26.77
				1RB32	27.83
				1RB65	27.01
				Full RB	26.46
		2077891	27923.52	1RB0	25.81
				1RB32	27.17
				1RB65	26.31
				Full RB	25.53
		2084035	28292.16	1RB0	25.94
				1RB32	27.08
				1RB65	25.58
				Full RB	25.51
QPSK	100	2071821	27559.32	1RB0	26.58
				1RB32	27.59
				1RB65	26.81
				Full RB	26.20
		2077891	27923.52	1RB0	25.53
				1RB32	27.04
				1RB65	25.99
				Full RB	25.40
		2084035	28292.16	1RB0	25.73
				1RB32	26.84
				1RB65	25.40
				Full RB	25.14

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	100	2071821	27559.32	1RB0	25.73
				1RB32	26.72
				1RB65	25.95
				Full RB	25.41
		2077891	27923.52	1RB0	24.80
				1RB32	26.11
				1RB65	25.09
				Full RB	24.56
		2084035	28292.16	1RB0	24.85
				1RB32	26.01
				1RB65	24.49
				Full RB	24.30
64QAM	100	2071821	27559.32	1RB0	23.91
				1RB32	25.01
				1RB65	24.25
				Full RB	23.53
		2077891	27923.52	1RB0	22.98
				1RB32	24.23
				1RB65	23.30
				Full RB	22.79
		2084035	28292.16	1RB0	23.03
				1RB32	23.96
				1RB65	22.77
				Full RB	22.41

2CC

EUT position	X-plane	Receive Antenna polarization	Vertical

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
BPSK	100	2071831+2073489	27609.66	1RB0	21.42
				1RB32	21.11
				1RB65	20.90
				Full RB	22.29
		2077833+2079499	27970.02	1RB0	20.73
				1RB32	20.79
				1RB65	20.66
				Full RB	21.30
		2082333+2084001	28240.08	1RB0	20.69
				1RB32	20.47
				1RB65	20.42
				Full RB	20.93
QPSK	100	2071831+2073489	27609.66	1RB0	21.13
				1RB32	21.09
				1RB65	20.67
				Full RB	21.90
		2077833+2079499	27970.02	1RB0	20.48
				1RB32	20.63
				1RB65	20.34
				Full RB	21.09
		2082333+2084001	28240.08	1RB0	20.38
				1RB32	20.31
				1RB65	20.10
				Full RB	20.97

Modulation	Bandwidth (MHz)	Channel	Center Frequency (MHz)	RB Condition	EIRP Avg (dBm)
16QAM	100	2071831+2073489	27609.66	1RB0	20.83
				1RB32	20.76
				1RB65	20.38
				Full RB	21.83
		2077833+2079499	27970.02	1RB0	20.30
				1RB32	20.24
				1RB65	20.09
				Full RB	20.82
		2082333+2084001	28240.08	1RB0	20.23
				1RB32	20.30
				1RB65	19.99
				Full RB	20.51
64QAM	100	2071831+2073489	27609.66	1RB0	20.00
				1RB32	19.95
				1RB65	19.63
				Full RB	20.98
		2077833+2079499	27970.02	1RB0	19.60
				1RB32	19.46
				1RB65	19.38
				Full RB	20.09
		2082333+2084001	28240.08	1RB0	19.35
				1RB32	19.42
				1RB65	19.03
				Full RB	19.84

LTE Band 2, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18607	CH 18900	CH 19193
			1850.7 MHz	1880 MHz	1909.3 MHz
QPSK	1	0	23.18	23.30	23.02
	1	2	22.92	23.26	23.10
	1	5	23.06	23.09	23.01
	3	0	22.88	23.08	22.90
	3	1	22.85	23.04	22.79
	3	3	22.82	22.73	22.67
	6	0	21.90	21.98	21.95
16QAM	1	0	22.22	22.17	22.26
	1	2	22.03	22.19	22.20
	1	5	21.81	22.20	22.08
	3	0	21.87	22.15	21.97
	3	1	21.95	22.02	22.03
	3	3	21.67	21.97	21.71
	6	0	20.72	20.83	20.94
64QAM	1	0	21.14	21.09	21.10
	1	2	21.10	21.19	21.16
	1	5	20.98	21.11	21.16
	3	0	20.96	21.18	21.12
	3	1	20.96	21.09	21.01
	3	3	20.85	20.92	20.76
	6	0	19.70	19.80	19.75
256QAM	1	0	17.90	18.24	18.12
	1	2	17.95	18.18	17.79
	1	5	17.90	17.99	17.84
	3	0	17.96	17.89	18.00
	3	1	17.86	17.99	17.75
	3	3	17.81	17.93	17.80
	6	0	17.73	17.83	17.86

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.9	23.3	22	23.4	33.01
16QAM	20.72	22.26	20.82	22.36	33.01
64QAM	19.7	21.19	19.8	21.29	33.01
256QAM	17.73	18.24	17.83	18.34	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18615	CH 18900	CH 19185
			1851.5 MHz	1880 MHz	1908.5 MHz
QPSK	1	0	23.04	23.24	23.16
	1	7	22.91	23.04	22.96
	1	14	23.00	23.11	22.97
	8	0	21.89	22.05	21.93
	8	3	21.80	21.80	21.84
	8	7	21.83	21.70	21.66
	15	0	21.85	22.02	21.77
16QAM	1	0	22.07	22.35	22.23
	1	7	22.14	22.25	22.26
	1	14	21.94	21.98	21.92
	8	0	20.93	21.00	20.98
	8	3	20.86	21.00	21.08
	8	7	20.86	20.93	20.85
	15	0	20.85	20.95	20.82
64QAM	1	0	21.25	21.15	21.15
	1	7	21.18	21.31	21.10
	1	14	20.85	21.16	21.16
	8	0	20.07	20.12	19.89
	8	3	20.10	19.88	20.05
	8	7	19.78	19.84	20.01
	15	0	19.79	19.90	19.85
256QAM	1	0	18.04	18.16	17.90
	1	7	17.83	18.19	17.94
	1	14	17.79	17.87	17.96
	8	0	17.86	17.99	18.04
	8	3	17.63	18.06	17.80
	8	7	17.63	17.93	17.93
	15	0	17.85	17.73	17.63

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.66	23.24	21.76	23.34	33.01
16QAM	20.82	22.35	20.92	22.45	33.01
64QAM	19.78	21.31	19.88	21.41	33.01
256QAM	17.63	18.19	17.73	18.29	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18625	CH 18900	CH 19175
			1852.5 MHz	1880 MHz	1907.5 MHz
QPSK	1	0	23.15	23.17	23.11
	1	12	22.93	22.98	23.00
	1	24	22.87	23.15	22.97
	12	0	21.82	22.12	22.07
	12	6	21.92	21.83	21.81
	12	13	21.67	21.81	21.86
	25	0	21.82	21.84	21.85
16QAM	1	0	22.12	22.23	22.24
	1	12	22.08	22.28	22.27
	1	24	22.01	22.13	22.02
	12	0	20.97	21.12	20.96
	12	6	21.03	20.98	20.95
	12	13	20.91	20.83	20.84
	25	0	20.72	20.93	20.92
64QAM	1	0	21.12	21.19	21.18
	1	12	21.05	21.23	21.14
	1	24	21.00	21.07	20.94
	12	0	19.93	20.19	19.98
	12	6	19.93	20.06	19.96
	12	13	19.75	19.89	19.99
	25	0	19.74	19.90	19.70
256QAM	1	0	17.94	18.07	18.04
	1	12	17.94	17.93	17.85
	1	24	17.72	18.02	18.04
	12	0	17.89	17.91	17.94
	12	6	17.76	17.96	17.79
	12	13	17.78	17.73	17.73
	25	0	17.78	17.79	17.84

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.67	23.17	21.77	23.27	33.01
16QAM	20.72	22.28	20.82	22.38	33.01
64QAM	19.7	21.23	19.8	21.33	33.01
256QAM	17.72	18.07	17.82	18.17	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 10 MHz

LTE Band 2 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18650	CH 18900	CH 19150
			1855 MHz	1880 MHz	1905 MHz
QPSK	1	0	23.08	23.33	23.11
	1	24	22.80	23.11	23.06
	1	49	23.02	22.97	22.91
	25	0	21.79	22.09	21.90
	25	12	21.89	21.91	21.81
	25	25	21.72	21.75	21.75
	50	0	21.83	22.09	21.82
16QAM	1	0	22.26	22.22	22.27
	1	24	22.19	22.15	22.05
	1	49	22.04	22.27	22.00
	25	0	20.93	21.15	21.19
	25	12	20.84	20.95	20.83
	25	25	20.67	21.09	20.95
	50	0	20.75	20.89	20.84
64QAM	1	0	21.12	21.17	21.24
	1	24	21.11	21.26	21.07
	1	49	20.92	21.06	21.03
	25	0	20.07	20.09	19.98
	25	12	19.95	20.11	19.88
	25	25	19.84	19.89	20.00
	50	0	19.82	19.99	19.89
256QAM	1	0	18.09	18.18	18.00
	1	24	17.87	18.12	17.93
	1	49	18.01	18.06	17.89
	25	0	17.75	18.09	17.93
	25	12	17.73	17.99	17.94
	25	25	17.79	17.98	17.71
	50	0	17.83	17.98	17.76

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.72	23.33	21.82	23.43	33.01
16QAM	20.67	22.27	20.77	22.37	33.01
64QAM	19.82	21.26	19.92	21.36	33.01
256QAM	17.71	18.18	17.81	18.28	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18675	CH 18900	CH 19125
			1857.5 MHz	1880 MHz	1902.5 MHz
QPSK	1	0	23.00	23.23	23.23
	1	37	22.94	23.05	23.16
	1	74	22.93	23.16	22.98
	36	0	21.92	22.02	22.01
	36	19	21.88	22.00	22.02
	36	39	21.79	21.92	21.78
	75	0	21.87	21.81	21.84
16QAM	1	0	22.01	22.40	22.22
	1	37	22.19	22.28	22.29
	1	74	22.02	22.16	22.01
	36	0	20.98	21.04	20.93
	36	19	21.01	20.88	20.93
	36	39	20.73	21.05	20.94
	75	0	20.81	20.87	20.90
64QAM	1	0	21.13	21.34	21.21
	1	37	21.03	21.09	21.15
	1	74	20.91	21.05	21.09
	36	0	20.05	20.18	20.00
	36	19	19.97	20.08	19.95
	36	39	19.74	19.81	19.99
	75	0	19.84	19.80	19.83
256QAM	1	0	17.94	17.99	18.08
	1	37	17.74	18.09	17.95
	1	74	17.87	18.00	17.99
	36	0	17.79	17.96	17.84
	36	19	17.84	17.86	17.91
	36	39	17.74	17.75	17.82
	75	0	17.92	18.02	17.89

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.78	23.23	21.88	23.33	33.01
16QAM	20.73	22.4	20.83	22.5	33.01
64QAM	19.74	21.34	19.84	21.44	33.01
256QAM	17.74	18.09	17.84	18.19	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18700	CH 18900	CH 19100
			1860 MHz	1880 MHz	1900 MHz
QPSK	1	0	23.14	23.29	23.32
	1	50	23.07	23.05	23.09
	1	99	22.92	23.16	22.93
	50	0	22.05	22.02	22.09
	50	25	21.83	22.02	22.03
	50	50	21.92	21.86	21.98
	100	0	22.02	21.89	22.05
16QAM	1	0	22.30	22.29	22.39
	1	50	22.17	22.37	22.17
	1	99	21.94	22.11	21.95
	50	0	21.20	21.15	21.11
	50	25	20.97	21.10	21.13
	50	50	20.76	21.08	20.80
	100	0	20.86	21.00	20.88
64QAM	1	0	21.24	21.20	21.23
	1	50	21.22	21.17	21.19
	1	99	21.06	21.08	21.22
	50	0	20.05	20.16	20.22
	50	25	20.15	19.95	20.03
	50	50	19.86	19.86	19.92
	100	0	19.72	19.87	19.77
256QAM	1	0	17.98	18.05	18.20
	1	50	17.95	17.99	18.03
	1	99	18.00	17.95	18.00
	50	0	17.87	18.09	17.95
	50	25	17.94	17.87	17.77
	50	50	17.80	17.83	17.85
	100	0	17.72	17.96	17.91

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.83	23.32	21.93	23.42	33.01
16QAM	20.76	22.39	20.86	22.49	33.01
64QAM	19.72	21.24	19.82	21.34	33.01
256QAM	17.72	18.2	17.82	18.3	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 5, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20407	CH 20525	CH 20643
			824.7 MHz	836.5 MHz	848.3 MHz
QPSK	1	0	22.84	23.02	23.12
	1	2	22.91	23.09	22.98
	1	5	22.71	22.87	22.82
	3	0	22.83	22.88	22.89
	3	1	22.77	23.01	23.01
	3	3	22.58	22.84	22.66
	6	0	21.72	21.81	21.89
16QAM	1	0	21.87	22.11	22.09
	1	2	21.85	22.05	21.96
	1	5	21.96	21.89	21.88
	3	0	21.75	21.98	21.94
	3	1	21.79	21.83	21.80
	3	3	21.77	21.71	21.81
	6	0	20.71	20.74	20.90
64QAM	1	0	21.13	21.26	21.23
	1	2	21.12	21.09	21.04
	1	5	20.88	20.89	20.77
	3	0	20.89	21.00	21.02
	3	1	20.89	20.86	21.13
	3	3	20.77	20.87	20.89
	6	0	19.81	19.74	19.80
256QAM	1	0	18.01	18.10	18.02
	1	2	18.00	18.01	17.87
	1	5	17.87	17.84	17.77
	3	0	17.75	17.90	17.95
	3	1	17.78	18.00	17.86
	3	3	17.74	17.87	17.77
	6	0	17.86	17.93	17.92

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.72	23.12	16.77	18.17	38.45
16QAM	20.71	22.11	15.76	17.16	38.45
64QAM	19.74	21.26	14.79	16.31	38.45
256QAM	17.74	18.1	12.79	13.15	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 5, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20415	CH 20525	CH 20635
			825.5 MHz	836.5 MHz	847.5 MHz
QPSK	1	0	22.77	23.11	23.12
	1	7	22.72	23.09	22.77
	1	14	22.72	22.70	22.70
	8	0	21.87	22.04	21.89
	8	3	21.76	22.03	21.84
	8	7	21.68	21.91	21.66
	15	0	21.63	21.82	21.78
16QAM	1	0	21.91	22.10	21.98
	1	7	21.91	21.97	21.94
	1	14	21.84	22.00	21.80
	8	0	20.85	21.01	20.83
	8	3	20.82	20.83	20.76
	8	7	20.81	20.69	20.69
	15	0	20.76	20.91	20.87
64QAM	1	0	21.01	21.08	21.25
	1	7	20.99	20.93	21.08
	1	14	20.74	21.02	20.94
	8	0	20.01	20.10	19.98
	8	3	20.07	19.89	19.94
	8	7	19.80	19.87	19.91
	15	0	19.76	19.83	19.78
256QAM	1	0	18.04	17.98	17.99
	1	7	17.75	17.91	17.90
	1	14	17.83	18.10	17.91
	8	0	17.71	18.02	17.92
	8	3	17.79	17.90	17.75
	8	7	17.74	17.71	17.74
	15	0	17.83	17.87	17.74

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.63	23.12	16.68	18.17	38.45
16QAM	20.69	22.1	15.74	17.15	38.45
64QAM	19.76	21.25	14.81	16.3	38.45
256QAM	17.71	18.1	12.76	13.15	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 5, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20425	CH 20525	CH 20625
			826.5 MHz	836.5 MHz	846.5 MHz
QPSK	1	0	22.79	23.02	23.15
	1	12	22.69	23.11	22.87
	1	24	22.78	22.71	22.73
	12	0	21.81	21.87	21.93
	12	6	21.70	21.94	21.81
	12	13	21.74	21.85	21.86
	25	0	21.72	21.78	21.76
16QAM	1	0	21.98	22.14	22.07
	1	12	22.00	21.98	22.07
	1	24	21.98	22.04	21.83
	12	0	20.84	20.88	20.82
	12	6	20.86	20.81	20.99
	12	13	20.78	20.70	20.75
	25	0	20.81	20.90	20.83
64QAM	1	0	21.12	21.11	21.13
	1	12	20.87	20.97	21.18
	1	24	20.93	20.88	20.77
	12	0	20.11	20.10	19.96
	12	6	20.03	20.02	20.05
	12	13	19.84	19.96	19.88
	25	0	19.93	19.97	19.89
256QAM	1	0	18.07	18.03	18.12
	1	12	17.80	18.10	17.89
	1	24	17.76	17.98	17.79
	12	0	17.84	18.07	17.98
	12	6	17.72	17.93	17.86
	12	13	17.75	17.81	17.71
	25	0	17.84	17.82	17.92

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.7	23.15	16.75	18.2	38.45
16QAM	20.7	22.14	15.75	17.19	38.45
64QAM	19.84	21.18	14.89	16.23	38.45
256QAM	17.71	18.12	12.76	13.17	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 5, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20450	CH 20525	CH 20600
			829 MHz	836.5 MHz	844 MHz
QPSK	1	0	22.85	23.12	23.14
	1	24	22.96	23.16	22.84
	1	49	22.86	22.84	22.73
	25	0	21.83	22.08	21.86
	25	12	21.85	22.01	21.87
	25	25	21.82	21.85	21.91
	50	0	21.66	21.89	21.88
16QAM	1	0	22.04	22.03	22.02
	1	24	21.91	22.03	22.03
	1	49	21.90	22.12	22.00
	25	0	20.77	20.88	20.82
	25	12	20.88	20.84	20.84
	25	25	20.79	20.79	20.88
	50	0	20.81	20.96	20.99
64QAM	1	0	21.10	21.11	21.20
	1	24	21.13	21.17	21.17
	1	49	20.82	20.89	20.95
	25	0	20.01	20.15	20.14
	25	12	19.86	20.08	20.14
	25	25	19.88	20.02	19.94
	50	0	19.97	20.03	20.03
256QAM	1	0	18.10	18.19	18.04
	1	24	17.82	18.16	17.92
	1	49	17.78	18.00	17.84
	25	0	17.89	18.12	17.86
	25	12	17.88	18.04	17.77
	25	25	17.81	17.85	17.78
	50	0	17.92	17.96	17.96

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.66	23.16	16.71	18.21	38.45
16QAM	20.77	22.12	15.82	17.17	38.45
64QAM	19.86	21.2	14.91	16.25	38.45
256QAM	17.77	18.19	12.82	13.24	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 13, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23205	CH 23230	CH 23255
			779.5 MHz	782 MHz	784.5 MHz
QPSK	1	0	22.98	22.87	23.14
	1	12	22.87	22.99	22.95
	1	24	22.86	22.77	22.89
	12	0	22.07	21.99	22.05
	12	6	21.89	21.81	22.00
	12	13	21.96	21.79	21.81
	25	0	21.90	21.70	21.66
16QAM	1	0	22.29	22.12	22.26
	1	12	21.96	22.08	21.97
	1	24	21.82	21.90	21.88
	12	0	21.03	21.04	21.02
	12	6	20.81	20.94	20.94
	12	13	20.94	20.72	20.86
	25	0	20.78	20.69	20.69
64QAM	1	0	21.20	21.17	21.20
	1	12	21.16	20.93	21.02
	1	24	20.92	20.81	20.77
	12	0	20.03	19.93	19.95
	12	6	19.78	19.94	19.83
	12	13	19.97	19.81	19.96
	25	0	19.73	19.87	19.91
256QAM	1	0	17.98	17.91	17.95
	1	12	17.86	17.99	17.88
	1	24	17.84	17.96	17.87
	12	0	17.92	18.00	17.92
	12	6	17.82	17.79	17.97
	12	13	17.96	17.68	17.87
	25	0	17.75	17.65	17.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.66	23.14	16.91	18.39	34.77
16QAM	20.69	22.29	15.94	17.54	34.77
64QAM	19.73	21.2	14.98	16.45	34.77
256QAM	17.65	18	12.9	13.25	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 13, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23230
			782 MHz
QPSK	1	0	23.1
	1	24	22.91
	1	49	22.92
	25	0	22.03
	25	12	21.98
	25	25	21.94
	50	0	21.89
16QAM	1	0	22.20
	1	24	22.18
	1	49	21.87
	25	0	21.10
	25	12	21.03
	25	25	20.87
	50	0	20.77
64QAM	1	0	21.23
	1	24	21.16
	1	49	21.02
	25	0	19.95
	25	12	19.90
	25	25	19.95
	50	0	19.88
256QAM	1	0	17.99
	1	24	17.89
	1	49	18.09
	25	0	17.99
	25	12	17.83
	25	25	17.83
	50	0	17.76

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.89	23.1	17.14	18.35	34.77
16QAM	20.77	22.2	16.02	17.45	34.77
64QAM	19.88	21.23	15.13	16.48	34.77
256QAM	17.76	18.09	13.01	13.34	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 48, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55265	CH 55990	CH 56715
			3552.5 MHz	3625 MHz	3697.5 MHz
QPSK	1	0	21.89	21.81	21.91
	1	12	21.87	21.68	21.68
	1	24	21.63	21.55	21.84
	12	0	20.99	20.87	20.87
	12	6	20.75	20.77	20.84
	12	13	20.78	20.72	20.62
	25	0	20.65	20.74	20.72
16QAM	1	0	20.92	20.98	20.82
	1	12	20.71	20.77	20.79
	1	24	20.69	20.35	20.81
	12	0	19.85	19.65	19.98
	12	6	19.68	19.81	19.77
	12	13	19.89	19.61	19.78
	25	0	19.84	19.42	19.81
64QAM	1	0	19.88	19.83	19.92
	1	12	19.95	19.73	19.61
	1	24	19.62	19.71	19.71
	12	0	19.01	18.80	18.94
	12	6	18.78	18.53	18.89
	12	13	18.91	18.48	18.77
	25	0	18.73	18.60	18.67
256QAM	1	0	17.07	16.59	16.90
	1	12	16.87	16.58	16.77
	1	24	16.78	16.32	16.62
	12	0	16.88	16.65	16.90
	12	6	16.95	16.55	16.67
	12	13	16.68	16.63	16.62
	25	0	16.60	16.52	16.90

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.62	21.91	18.62	19.91	23
16QAM	19.42	20.98	17.42	18.98	23
64QAM	18.48	19.95	16.48	17.95	23
256QAM	16.32	17.07	14.32	15.07	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55290	CH 55990	CH 56690
			3555 MHz	3625 MHz	3695 MHz
QPSK	1	0	22.02	21.87	21.95
	1	24	21.92	21.68	21.65
	1	49	21.63	21.57	21.67
	25	0	20.82	20.96	20.80
	25	12	20.76	20.84	20.83
	25	25	20.82	20.77	20.73
	50	0	20.69	20.77	20.69
16QAM	1	0	20.91	20.87	20.89
	1	24	20.88	20.78	20.86
	1	49	20.81	20.60	20.60
	25	0	19.83	19.91	19.87
	25	12	19.76	19.68	19.91
	25	25	19.76	19.59	19.87
	50	0	19.92	19.39	19.85
64QAM	1	0	19.84	19.82	19.90
	1	24	19.81	19.85	19.81
	1	49	19.59	19.69	19.74
	25	0	19.04	18.81	18.93
	25	12	18.65	18.81	18.88
	25	25	18.78	18.61	18.87
	50	0	18.80	18.74	18.62
256QAM	1	0	16.91	16.89	16.94
	1	24	16.88	16.61	16.89
	1	49	16.68	16.38	16.76
	25	0	16.90	16.73	16.79
	25	12	16.70	16.63	16.82
	25	25	16.79	16.65	16.77
	50	0	16.67	16.75	16.59

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.69	22.02	18.69	20.02	23
16QAM	19.39	20.91	17.39	18.91	23
64QAM	18.61	19.9	16.61	17.9	23
256QAM	16.38	16.94	14.38	14.94	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55315	CH 55990	CH 56665
			3557.5 MHz	3625 MHz	3692.5 MHz
QPSK	1	0	21.90	21.87	22.00
	1	37	21.83	21.81	21.74
	1	74	21.71	21.81	21.73
	36	0	20.92	20.99	20.97
	36	19	20.87	21.09	20.71
	36	39	20.64	20.90	20.68
	75	0	20.81	20.95	20.77
16QAM	1	0	20.88	21.10	20.90
	1	37	20.83	20.76	20.84
	1	74	20.85	20.66	20.68
	36	0	19.81	19.91	19.95
	36	19	19.74	19.79	19.77
	36	39	19.65	19.76	19.63
	75	0	19.74	19.77	19.81
64QAM	1	0	20.04	19.90	19.81
	1	37	19.87	19.70	19.66
	1	74	19.71	19.75	19.62
	36	0	18.75	18.83	18.87
	36	19	18.80	18.98	18.84
	36	39	18.87	18.58	18.62
	75	0	18.73	18.69	18.70
256QAM	1	0	17.06	16.92	16.95
	1	37	16.67	16.84	16.85
	1	74	16.86	16.64	16.58
	36	0	16.84	16.96	16.87
	36	19	16.78	16.78	16.77
	36	39	16.86	16.77	16.84
	75	0	16.70	16.77	16.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.64	22	18.64	20	23
16QAM	19.63	21.1	17.63	19.1	23
64QAM	18.58	20.04	16.58	18.04	23
256QAM	16.58	17.06	14.58	15.06	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55340	CH 55990	CH 56640
			3560 MHz	3625 MHz	3690 MHz
QPSK	1	0	22.06	21.96	22.04
	1	50	21.84	22.08	21.88
	1	99	21.65	21.77	21.65
	50	0	20.92	20.94	21.03
	50	25	20.77	21.11	20.76
	50	50	20.91	20.89	20.70
	100	0	21.02	20.98	20.71
16QAM	1	0	21.03	21.09	20.90
	1	50	20.76	20.97	20.76
	1	99	20.70	20.80	20.82
	50	0	19.96	20.01	19.77
	50	25	19.94	19.88	19.93
	50	50	19.63	19.59	19.83
	100	0	19.88	19.67	19.85
64QAM	1	0	20.05	19.88	20.12
	1	50	19.78	19.94	20.05
	1	99	19.71	19.73	19.81
	50	0	18.99	18.94	19.04
	50	25	18.98	19.02	18.92
	50	50	18.64	18.83	18.87
	100	0	18.82	18.81	18.69
256QAM	1	0	16.88	17.01	16.96
	1	50	16.77	16.77	16.78
	1	99	16.87	16.83	16.69
	50	0	16.96	16.88	17.00
	50	25	16.82	16.89	16.70
	50	50	16.81	16.82	16.77
	100	0	16.74	16.88	16.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.7	22.08	18.7	20.08	23
16QAM	19.59	21.09	17.59	19.09	23
64QAM	18.64	20.12	16.64	18.12	23
256QAM	16.65	17.01	14.65	15.01	23

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 15 MHz (per 10 MHz)

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55315	CH 55990	CH 56665
			3557.5 MHz	3625 MHz	3692.5 MHz
QPSK	1	0	21.65	22.08	21.96
	1	37	21.69	22.11	22.01
	1	74	21.83	22.01	21.82
	36	0	20.98	21.02	21.20
	36	19	21.00	20.98	20.93
	36	39	20.65	21.01	20.68
	75	0	17.94	18.14	17.91
16QAM	1	0	20.90	21.17	21.03
	1	37	20.76	21.00	20.95
	1	74	20.96	20.86	20.99
	36	0	20.15	20.43	20.14
	36	19	20.01	19.94	19.86
	36	39	19.82	20.00	20.00
	75	0	17.09	17.03	17.17
64QAM	1	0	20.13	20.11	19.94
	1	37	19.89	20.17	19.93
	1	74	19.88	20.03	19.82
	36	0	18.91	19.16	18.84
	36	19	18.88	19.18	18.99
	36	39	18.94	18.83	19.02
	75	0	16.14	16.18	16.10
256QAM	1	0	17.23	17.30	17.34
	1	37	17.21	17.25	17.26
	1	74	17.02	17.17	17.02
	36	0	17.17	17.30	17.07
	36	19	16.93	17.24	17.09
	36	39	16.99	16.85	16.95
	75	0	16.11	16.19	16.15

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.91	22.11	15.91	20.11	23.00
16QAM	17.03	21.17	15.03	19.17	23.00
64QAM	16.1	20.17	14.1	18.17	23.00
256QAM	16.11	17.34	14.11	15.34	23.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 48, Channel Bandwidth: 20 MHz (per 10 MHz)

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 55340	CH 55990	CH 56640
			3560 MHz	3625 MHz	3690 MHz
QPSK	1	0	21.89	22.01	21.87
	1	50	21.74	22.11	21.87
	1	99	21.78	21.72	21.80
	50	0	21.19	21.04	21.08
	50	25	21.00	20.97	21.05
	50	50	20.95	20.87	20.90
	100	0	17.75	17.76	17.87
16QAM	1	0	21.05	21.16	21.25
	1	50	20.95	21.13	20.93
	1	99	20.89	21.21	21.19
	50	0	20.24	20.24	20.11
	50	25	19.87	20.31	20.07
	50	50	20.01	20.13	20.00
	100	0	16.82	16.98	16.87
64QAM	1	0	19.97	20.20	20.03
	1	50	20.15	20.19	20.12
	1	99	20.12	20.10	20.06
	50	0	18.96	19.13	19.13
	50	25	19.01	19.12	18.95
	50	50	18.77	18.98	18.88
	100	0	15.97	16.02	15.98
256QAM	1	0	17.19	17.44	17.24
	1	50	17.10	17.41	17.36
	1	99	17.08	17.11	16.92
	50	0	17.14	17.32	17.28
	50	25	17.24	17.07	17.23
	50	50	17.03	17.15	16.83
	100	0	15.88	15.94	15.85

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.75	22.11	15.75	20.11	23.00
16QAM	16.82	21.25	14.82	19.25	23.00
64QAM	15.97	20.2	13.97	18.2	23.00
256QAM	15.85	17.44	13.85	15.44	23.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131979	CH 132322	CH 132665
			1710.7 MHz	1745 MHz	1779.3 MHz
QPSK	1	0	23.10	23.06	22.92
	1	2	22.78	23.00	22.73
	1	5	22.84	22.81	22.84
	3	0	22.83	23.03	22.57
	3	1	22.79	22.84	22.48
	3	3	22.61	22.84	22.69
	6	0	21.84	21.71	21.74
16QAM	1	0	21.97	22.08	21.81
	1	2	21.80	22.11	21.77
	1	5	21.89	21.80	21.58
	3	0	21.87	21.92	21.86
	3	1	21.89	21.78	21.70
	3	3	21.81	21.96	21.49
	6	0	20.80	20.80	20.71
64QAM	1	0	21.09	21.04	20.72
	1	2	20.84	20.98	20.90
	1	5	20.80	20.96	20.68
	3	0	20.92	21.19	20.79
	3	1	20.85	20.99	20.66
	3	3	20.65	20.86	20.54
	6	0	19.57	19.74	19.68
256QAM	1	0	17.95	18.16	17.82
	1	2	17.89	18.20	17.82
	1	5	17.79	18.08	17.90
	3	0	17.85	17.87	17.62
	3	1	17.86	17.92	17.76
	3	3	17.72	17.84	17.67
	6	0	17.71	17.71	17.44

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.71	23.1	21.71	23.1	30
16QAM	20.71	22.11	20.71	22.11	30
64QAM	19.57	21.19	19.57	21.19	30
256QAM	17.44	18.2	17.44	18.2	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131987	CH 132322	CH 132657
			1711.5 MHz	1745 MHz	1778.5 MHz
QPSK	1	0	23.09	23.00	23.03
	1	7	23.00	23.07	22.76
	1	14	22.80	22.92	22.82
	8	0	21.71	22.08	21.55
	8	3	21.63	21.86	21.58
	8	7	21.63	21.93	21.68
	15	0	21.76	21.80	21.58
16QAM	1	0	22.00	22.17	21.65
	1	7	21.96	22.02	21.70
	1	14	21.66	21.95	21.74
	8	0	20.91	20.91	20.84
	8	3	20.77	20.99	20.61
	8	7	20.71	20.85	20.72
	15	0	20.77	20.80	20.67
64QAM	1	0	20.94	21.00	20.76
	1	7	20.98	21.00	20.69
	1	14	20.67	20.93	20.68
	8	0	19.77	19.95	19.68
	8	3	19.93	19.98	19.70
	8	7	19.81	19.95	19.57
	15	0	19.71	19.73	19.77
256QAM	1	0	17.91	18.10	17.94
	1	7	17.88	17.96	17.68
	1	14	18.09	17.91	17.70
	8	0	17.76	17.92	17.59
	8	3	17.86	17.84	17.74
	8	7	17.65	17.73	17.67
	15	0	17.69	17.76	17.54

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.55	23.09	21.55	23.09	30
16QAM	20.61	22.17	20.61	22.17	30
64QAM	19.57	21	19.57	21	30
256QAM	17.54	18.1	17.54	18.1	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131997	CH 132322	CH 132647
			1712.5 MHz	1745 MHz	1777.5 MHz
QPSK	1	0	22.98	23.17	22.95
	1	12	22.92	23.08	22.94
	1	24	22.79	23.06	22.70
	12	0	21.83	22.06	21.59
	12	6	21.72	21.87	21.55
	12	13	21.65	21.71	21.59
	25	0	21.77	21.83	21.72
16QAM	1	0	21.94	22.10	21.70
	1	12	21.78	22.02	21.63
	1	24	21.88	21.94	21.59
	12	0	20.91	21.08	20.65
	12	6	20.99	20.86	20.57
	12	13	20.72	20.86	20.53
	25	0	20.68	20.71	20.78
64QAM	1	0	20.98	20.98	20.72
	1	12	20.85	21.09	20.69
	1	24	20.64	20.84	20.52
	12	0	19.84	19.91	19.75
	12	6	19.88	19.98	19.78
	12	13	19.73	19.97	19.67
	25	0	19.73	19.80	19.63
256QAM	1	0	17.98	18.16	17.94
	1	12	17.91	18.24	17.69
	1	24	17.96	18.08	17.71
	12	0	17.89	18.10	17.75
	12	6	17.90	17.82	17.67
	12	13	17.67	17.72	17.68
	25	0	17.75	17.80	17.62

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.55	23.17	21.55	23.17	30
16QAM	20.53	22.1	20.53	22.1	30
64QAM	19.63	21.09	19.63	21.09	30
256QAM	17.62	18.24	17.62	18.24	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132022	CH 132322	CH 132622
			1715 MHz	1745 MHz	1775 MHz
QPSK	1	0	22.91	23.09	22.85
	1	24	23.07	23.07	22.76
	1	49	22.90	22.86	22.80
	25	0	21.74	21.92	21.65
	25	12	21.75	21.83	21.61
	25	25	21.77	21.75	21.46
	50	0	21.61	21.88	21.57
16QAM	1	0	21.94	21.98	21.69
	1	24	21.80	21.90	21.62
	1	49	21.85	21.90	21.47
	25	0	21.00	21.02	20.60
	25	12	21.00	20.94	20.78
	25	25	20.67	20.88	20.61
	50	0	20.91	20.71	20.57
64QAM	1	0	21.20	21.09	20.78
	1	24	20.86	20.92	20.73
	1	49	20.83	21.01	20.67
	25	0	19.89	20.05	19.66
	25	12	19.87	19.97	19.86
	25	25	19.70	19.83	19.58
	50	0	19.64	19.82	19.62
256QAM	1	0	17.98	18.33	17.93
	1	24	17.82	18.09	17.86
	1	49	17.83	17.83	17.88
	25	0	17.75	17.86	17.66
	25	12	17.74	18.01	17.65
	25	25	17.69	17.87	17.65
	50	0	17.64	17.81	17.64

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.46	23.09	21.46	23.09	30
16QAM	20.57	21.98	20.57	21.98	30
64QAM	19.58	21.2	19.58	21.2	30
256QAM	17.64	18.33	17.64	18.33	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132047	CH 132322	CH 132597
			1717.5 MHz	1745 MHz	1772.5 MHz
QPSK	1	0	23.06	23.21	22.75
	1	37	22.97	23.08	22.89
	1	74	22.72	22.89	22.88
	36	0	21.70	21.88	21.71
	36	19	21.73	21.93	21.46
	36	39	21.79	21.65	21.66
	75	0	21.68	21.80	21.69
16QAM	1	0	22.13	22.12	21.79
	1	37	21.99	22.02	21.56
	1	74	21.74	21.85	21.47
	36	0	21.05	20.96	20.87
	36	19	20.81	21.06	20.61
	36	39	20.77	20.85	20.57
	75	0	20.85	20.77	20.68
64QAM	1	0	20.99	21.23	20.72
	1	37	20.92	21.09	20.76
	1	74	20.71	21.04	20.42
	36	0	19.94	19.96	19.78
	36	19	19.74	19.86	19.82
	36	39	19.60	19.92	19.56
	75	0	19.61	19.79	19.71
256QAM	1	0	17.94	18.30	17.80
	1	37	17.97	18.17	17.68
	1	74	18.02	18.03	17.85
	36	0	17.86	18.09	17.77
	36	19	17.87	17.92	17.56
	36	39	17.63	17.92	17.63
	75	0	17.61	17.63	17.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.46	23.21	21.46	23.21	30
16QAM	20.57	22.13	20.57	22.13	30
64QAM	19.56	21.23	19.56	21.23	30
256QAM	17.56	18.3	17.56	18.3	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132072	CH 132322	CH 132572
			1720 MHz	1745 MHz	1770 MHz
QPSK	1	0	23.06	23.12	22.88
	1	50	22.88	23.03	22.76
	1	99	22.95	22.97	22.66
	50	0	21.87	22.15	21.80
	50	25	21.83	21.92	21.48
	50	50	21.65	21.75	21.74
	100	0	21.70	21.92	21.84
16QAM	1	0	21.96	22.23	21.97
	1	50	21.81	22.12	21.86
	1	99	21.94	22.08	21.57
	50	0	20.88	21.15	20.72
	50	25	20.99	20.90	20.83
	50	50	20.72	20.96	20.72
	100	0	20.94	20.92	20.63
64QAM	1	0	20.95	21.08	20.85
	1	50	20.99	21.16	20.97
	1	99	20.70	20.92	20.52
	50	0	19.89	20.17	19.66
	50	25	19.86	20.05	19.68
	50	50	19.82	20.00	19.57
	100	0	19.85	19.73	19.66
256QAM	1	0	18.02	18.14	18.00
	1	50	17.97	18.26	17.73
	1	99	17.84	18.16	17.90
	50	0	18.00	17.92	17.82
	50	25	17.83	17.89	17.87
	50	50	17.69	17.80	17.63
	100	0	17.69	17.95	17.51

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.48	23.12	21.48	23.12	30
16QAM	20.63	22.23	20.63	22.23	30
64QAM	19.57	21.16	19.57	21.16	30
256QAM	17.51	18.26	17.51	18.26	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.2 Peak to Average Ratio

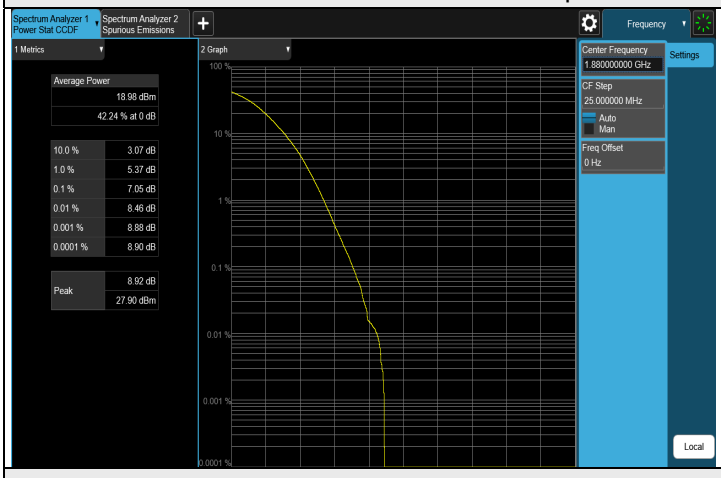
Input Power:	120 Vac, 60 Hz	Environmental Conditions:	21°C, 70% RH	Tested By:	Willy Cheng

7.2.1 LTE Band 2

LTE Band 2, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)	Limit (dB)	Result
QPSK	18700	1860	3.85	13	PASS
QPSK	18900	1880	4.03	13	PASS
QPSK	19100	1900	3.83	13	PASS
16QAM	18700	1860	4.83	13	PASS
16QAM	18900	1880	5.05	13	PASS
16QAM	19100	1900	4.84	13	PASS
64QAM	18700	1860	5.84	13	PASS
64QAM	18900	1880	6.04	13	PASS
64QAM	19100	1900	5.78	13	PASS
256QAM	18700	1860	6.86	13	PASS
256QAM	18900	1880	7.05	13	PASS
256QAM	19100	1900	6.80	13	PASS

Spectrum Plot of Worst Value



256QAM CH 18900 (1880 MHz)

7.3 Occupied Bandwidth

For n258, n260, n261

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	22°C, 68% RH	Tested By:	Wade Huang

For LTB Band 2

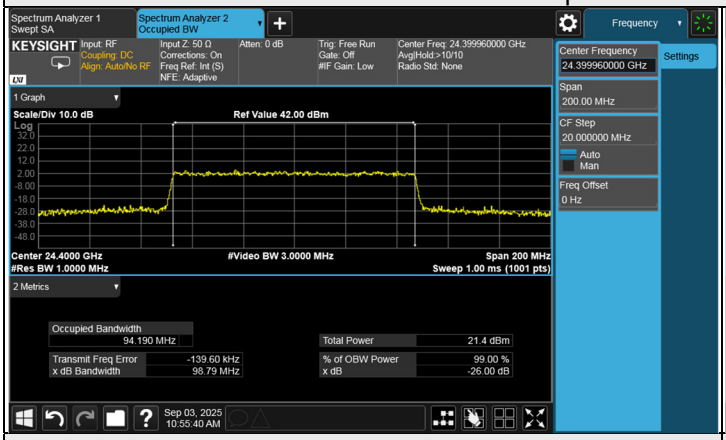
Input Power:	120 Vac, 60 Hz	Environmental Conditions:	25°C, 66% RH	Tested By:	James Yang

7.3.1 n258 + LTE Band 2

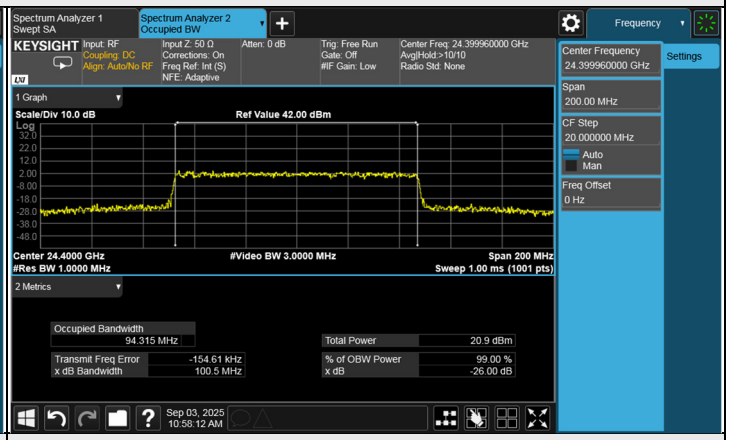
n258 (24.25 ~ 24.45 GHz), Channel Bandwidth: 100 MHz

Component Carriers	Modulation	RB	Occupied Bandwidth (MHz)		
			CH 2017499 (24300 MHz)	CH 2018333 (24350.04 MHz)	CH 2019165 (24399.96 MHz)
1CC	BPSK	Full RB	94.007	93.998	94.190
	QPSK	Full RB	94.145	94.200	94.315
	16QAM	Full RB	94.287	94.209	94.355
	64QAM	Full RB	94.509	94.477	94.568

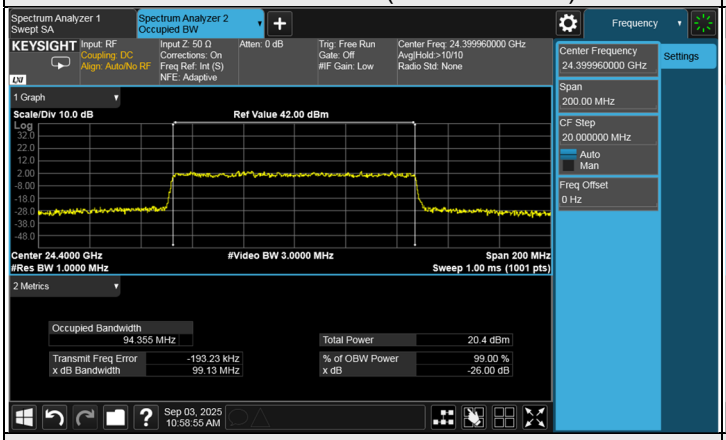
Spectrum Plot of Worst Value



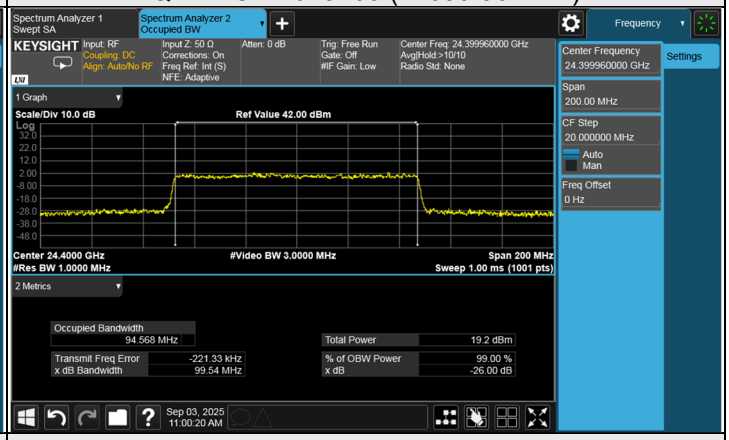
BPSK CH 2019165 (24399.96 MHz)



QPSK CH 2019165 (24399.96 MHz)



16QAM CH 2019165 (24399.96 MHz)

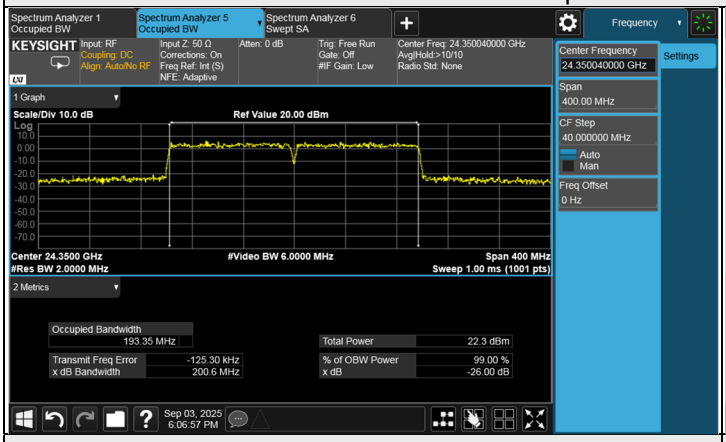


64QAM CH 2019165 (24399.96 MHz)

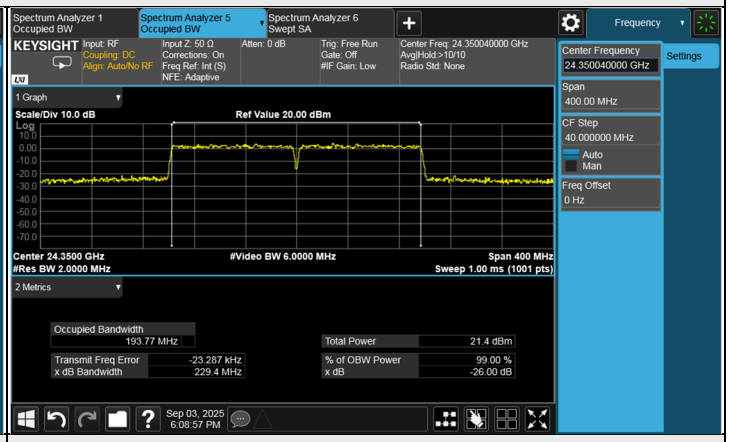
n258 (24.25 ~ 24.45 GHz), Channel Bandwidth: 100 MHz

Component Carriers	Modulation	RB	Occupied Bandwidth (MHz)
			CH 2017499 + 2019167 (24350.04 MHz)
2CC	BPSK	Full RB	193.350
	QPSK	Full RB	193.770
	16QAM	Full RB	193.890
	64QAM	Full RB	194.060

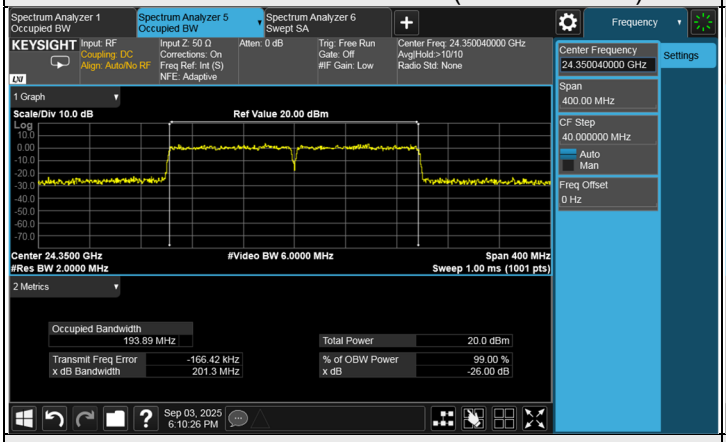
Spectrum Plot of Worst Value



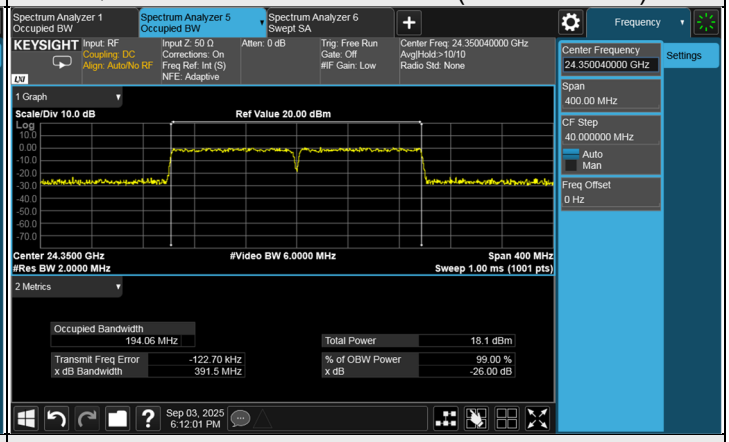
BPSK CH 2017499 + 2019167 (24350.04 MHz)



QPSK CH 2017499 + 2019167 (24350.04 MHz)



16QAM CH 2017499 + 2019167 (24350.04 MHz)



64QAM CH 2017499 + 2019167 (24350.04 MHz)