FCC Radio Test Report

FCC ID: 2AUYFRMX3286

This report concerns: Original Grant

Project No.	:	2110C043A
Equipment	:	Mobile Phone
Brand Name	:	realme
Test Model	:	RMX3286
Series Model	:	N/A
Applicant	:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	:	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
Manufacturer	:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address	:	No.178 Yulong Avenue, Yufengshan, Yubei District, Chongqing, China
Date of Receipt	:	Oct. 25, 2021
Date of Test	:	Oct. 26, 2021 ~ Nov. 10, 2021
Issued Date	:	Dec. 02, 2021
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG20211022140 for conducted, DG20211022142 for radiated.
Standard(s)	:	47 CFR FCC Part 27 Subpart L 47 CFR FCC Part 27 Subpart M 47 CFR FCC Part 27 Subpart C 47 CFR FCC Part 2 ANSI/TIA/EIA-603-E-2016 FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

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

Gabriel Zhu

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TESTING CERT #5123.02

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Declaration

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

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

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

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

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

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.
Please note that the measurement uncertainty is provided for informational purpose only and is not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Dec. 02, 2021

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part 27 Subpart L, M, C & Part 2			
Standard(s) Section	**Test Item**	**Judgment**	**Remark**
2.1046	Output Power	PASS	------
27.50(d)(4) 27.50(c)(10) 27.50(h)(2)	Equivalent Isotropic Radiated Power & Equivalent Radiated Power	PASS	------
2.1049	Occupied Bandwidth	PASS	------
2.1051 27.53(h) 27.53(m)(4)	Conducted Spurious Emissions	PASS	------
2.1053 27.53(h) 27.53(m)(4)	Radiated Spurious Emissions	PASS	------
2.1051 27.53(h) 27.53(m)(4)	Band Edge Measurements	PASS	------
-	Peak To Average Ratio	PASS	Record Only
2.1055 27.54	Frequency Stability	PASS	------

Note:

(1) “N/A” denotes test is not applicable in this test report.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China.
BTL's Test Firm Registration Number for FCC: 357015
BTL's Designation Number for FCC: CN1240

1.2 MEASUREMENT UNCERTAINTY

The measurement uncertainty figures shall be calculated according the methods described in the ETSI TR 100 028 and shall correspond to an expansion factor (coverage factor) k=1.96 or k=2(which provide confidence levels of respectively 90% and 95.45% in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)).
Measurement Uncertainty for a Level of Confidence of 95 %, U=2xUc(y).

The BTL measurement uncertainty as below table:

A. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB03	CISPR	9KHz ~ 30MHz	-	2.36
		30MHz ~ 200MHz	V	4.36
		30MHz ~ 200MHz	H	3.32
		200MHz ~ 1,000MHz	V	4.08
		200MHz ~ 1,000MHz	H	3.96
		1GHz ~ 6GHz	-	3.80
		6GHz ~ 18GHz	-	4.82
		18GHz ~ 26.5GHz	-	3.62

B. Other Measurement:

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

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
Output Power & ERP & EIRP	22.4°C	48%	DC 3.87V	Rick Liao
Occupied Bandwidth	22.4°C	48%	DC 3.87V	Rick Liao
Conducted Spurious Emissions	22.4°C	48%	DC 3.87V	Rick Liao
Radiated Spurious Emissions	26°C	52%	AC 120V/60Hz	Kwok Guo
Band Edge	22.4°C	48%	DC 3.87V	Rick Liao
Peak To Average Ratio	22.4°C	48%	DC 3.87V	Rick Liao
Frequency Stability	Normal & Extreme	48%	Normal & Extreme	Rick Liao

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Mobile Phone				
Brand Name	realme				
Test Model	RMX3286				
Series Model	N/A				
Model Difference(s)	N/A				
Hardware Version	11				
Software Version	realme UI V2.0				
Power Source	1# DC voltage supplied from AC adapter. (1) Model: VCB3HDUH (2) Model: VCB3HAUH 2# Supplied from battery. Model: BLP875 3# Supplied from USB port. Model: DL143				
Power Rating	1# I/P: 100-240V~ 50/60Hz 1.2A O/P: 5V ⎓ 2A or 5-11V ⎓ 3A Max 2# DC 3.87V, 4880mAh 3# DC 5V				
IEMI No.	Radiated	860074050019375			
	Conducted	860074050019359			
Modulation Type	WCDMA/HSDPA/HSUPA		UL: QPSK,16QAM DL: QPSK,16QAM, 64QAM		
	LTE		UL: QPSK,16QAM, 64QAM DL: QPSK,16QAM, 64QAM, 256QAM		
Max. EIRP	WCDMA Band IV		QPSK	24.95	dBm
	HSDPA Band IV		QPSK	24.53	dBm
	HSUPA Band IV		QPSK	23.53	dBm
	LTE	Channel Bandwidth (MHz)	QPSK (dBm)	16QAM (dBm)	64QAM (dBm)
	Band 4	1.4	23.84	23.22	22.40
		3	23.75	23.15	22.23
		5	24.11	23.56	22.40
		10	24.02	23.42	22.42
		15	24.03	23.53	22.73
		20	24.05	23.61	22.73
	Band 7	5	24.16	23.58	22.42
		10	24.11	23.43	22.40
		15	24.13	23.45	22.63
		20	24.07	23.55	22.73
	Band 38	5	23.63	23.02	22.18
		10	23.76	23.09	22.19
		15	23.75	23.12	22.20
		20	23.76	23.07	22.25
	Band 41	5	23.64	22.97	22.16
		10	23.73	23.05	22.16
		15	23.72	23.07	22.15
		20	23.55	23.03	22.19
	Band 66	1.4	23.72	23.01	22.22
		3	23.61	23.01	22.07
		5	23.91	23.40	22.27
		10	23.89	23.28	22.24
		15	23.89	23.23	22.45
		20	23.90	23.47	22.64

	LTE	Channel Bandwidth (MHz)	QPSK (dBm)	16QAM (dBm)	64QAM (dBm)
Max. ERP	Band 12	1.4	21.73	21.10	20.32
		3	21.58	21.07	20.11
		5	21.89	21.44	20.27
		10	21.83	21.27	20.28
	Band 17	5	21.84	21.42	20.29
		10	21.82	21.26	20.25

Note:

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

2. Channel List:

WCDMA Band IV				
Test Frequency ID	UARFCN	Frequency of Uplink (MHz)	UARFCN	Frequency of Downlink (MHz)
Low Range	1312	1712.4	1537	2112.4
Mid Range	1413	1732.6	1638	2132.6
High Range	1513	1752.6	1738	2152.6

LTE Band 4					
Test Frequency ID	Bandwidth (MHz)	N_{UL}	Frequency of Uplink (MHz)	N_{DL}	Frequency of Downlink (MHz)
Low Range	1.4	19957	1710.7	1957	2110.7
	3	19965	1711.5	1965	2111.5
	5	19975	1712.5	1975	2112.5
	10	20000	1715	2000	2115
	15	20025	1717.5	2025	2117.5
	20	20050	1720	2050	2120
Mid Range	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5
High Range	1.4	20393	1754.3	2393	2154.3
	3	20385	1753.5	2385	2153.5
	5	20375	1752.5	2375	2152.5
	10	20350	1750	2350	2150
	15	20325	1747.5	2325	2147.5
	20	20300	1740	2300	2145

LTE Band 7					
Test Frequency ID	Bandwidth (MHz)	N_{UL}	Frequency of Uplink (MHz)	N_{DL}	Frequency of Downlink (MHz)
Low Range	5	20775	2502.5	2775	2622.5
	10	20800	2505	2800	2625
	15	20825	2507.5	2825	2627.5
	20	20850	2510	2850	2630
Mid Range	5/10/15/20	21100	2535	3100	2655
High Range	5	21425	2567.5	3425	2687.5
	10	21400	2565	3400	2685
	15	21375	2562.5	3375	2682.5
	20	21350	2560	3350	2680

LTE Band 12			
Test Frequency ID	Bandwidth (MHz)	EARFCN	Frequency (UL and DL) (MHz)
Low Range	1.4	23017	699.7
	3	23025	700.5
	5	23035	701.5
	10	23060	704.0
Mid Range	1.4/3/5/10	23095	707.5
High Range	1.4	23173	715.3
	3	23165	714.5
	5	23155	713.5
	10	23130	711.0

LTE Band 17			
Test Frequency ID	Bandwidth (MHz)	EARFCN	Frequency (UL and DL) (MHz)
Low Range	5	23755	706.5
	10	23780	709
Mid Range	5/10	23790	710
High Range	5	23825	713.5
	10	23800	711

LTE Band 38			
Test Frequency ID	Bandwidth (MHz)	EARFCN	Frequency (UL and DL) (MHz)
Low Range	5	37775	2572.5
	10	37800	2575
	15	37825	2577.5
	20	37850	2580
Mid Range	5/10/15/20	38000	2595
High Range	5	38225	2617.5
	10	38200	2615
	15	38175	2612.5
	20	38150	2610

LTE Band 41			
Test Frequency ID	Bandwidth (MHz)	EARFCN	Frequency (UL and DL) (MHz)
Low Range	5	40065	2537.5
	10	40090	2540
	15	40115	2542.5
	20	40140	2545
Mid Range	5/10/15/20	40640	2595
High Range	5	41215	2652.5
	10	41190	2650
	15	41165	2647.5
	20	41140	2645

LTE Band 66					
Test Frequency ID	Bandwidth (MHz)	N_{UL}	Frequency of Uplink (MHz)	N_{DL}	Frequency of Downlink (MHz)
Low Range	1.4	131979	1710.7	66443	2110.7
	3	131987	1711.5	66451	2111.5
	5	131997	1712.5	66461	2112.5
	10	132022	1715	66486	2115
	15	132047	1717.5	66511	2117.5
	20	132072	1720	66536	2120
Mid Range	1.4/3/5/10/15/20	132322	1745	66786	2145
High Range	1.4	132665	1779.3	67129	2179.3
	3	132657	1778.5	67121	2178.5
	5	132647	1777.5	67111	2177.5
	10	132622	1775	67086	2175
	15	132597	1772.5	67061	2172.5
	20	132572	1770	67036	2170

3. Table for Filed Antenna:

Main Antenna

Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
N/A	N/A	PIFA	N/A	1.1	WCDMA Band IV
N/A	N/A	PIFA	N/A	1.1	LTE Band 4
N/A	N/A	PIFA	N/A	1.1	LTE Band 7
N/A	N/A	PIFA	N/A	0.5	LTE Band 12
N/A	N/A	PIFA	N/A	0.5	LTE Band 17
N/A	N/A	PIFA	N/A	1.1	LTE Band 38
N/A	N/A	PIFA	N/A	1.1	LTE Band 41
N/A	N/A	PIFA	N/A	1.1	LTE Band 66

Second Antenna

Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
N/A	N/A	PIFA	N/A	1.1	WCDMA Band IV
N/A	N/A	PIFA	N/A	1.1	LTE Band 4
N/A	N/A	PIFA	N/A	1.1	LTE Band 7
N/A	N/A	PIFA	N/A	0.5	LTE Band 12
N/A	N/A	PIFA	N/A	0.5	LTE Band 17
N/A	N/A	PIFA	N/A	1.1	LTE Band 38
N/A	N/A	PIFA	N/A	1.1	LTE Band 41
N/A	N/A	PIFA	N/A	1.1	LTE Band 66

Note: The antenna gain is provided by the manufacturer.

2.2 DESCRIPTION OF TEST MODES

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

WCDMA BAND IV MODE			
Test Item	Available Channel	Tested Channel	Mode
Output Power & EIRP	1312 to 1513	1312, 1413, 1513	WCDMA, HSDPA, HSUPA
Occupied Bandwidth	1312 to 1513	1312, 1413, 1513	WCDMA
Conducted Spurious Emissions	1312 to 1513	1413	WCDMA
Radiated Spurious Emissions	1312 to 1513	1413	WCDMA
Band Edge	1312 to 1513	1312, 1513	WCDMA
Peak To Average Ratio	1312 to 1513	1312, 1413, 1513	WCDMA
Frequency Stability	1312 to 1513	1413	WCDMA

LTE BAND 4 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Output Power & EIRP	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM, 64QAM	1RB/3RB/6RB
	19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM, 64QAM	1RB/8RB/15RB
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM, 64QAM	1RB/12RB/25RB
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM, 64QAM	1RB/25RB/50RB
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM, 64QAM	1RB/36RB/75RB
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM, 64QAM	1RB/50RB/100RB
Occupied Bandwidth	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM, 64QAM	6RB
	19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM, 64QAM	15RB
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM, 64QAM	25RB
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM, 64QAM	50RB
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM, 64QAM	75 RB
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM, 64QAM	100RB

LTE BAND 4 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Conducted Spurious Emissions	19957 to 20393	20175	1.4MHz	QPSK	1RB
	19975 to 20375	20175	5MHz	QPSK	1RB
	20050 to 20300	20175	20MHz	QPSK	1RB
Radiated Spurious Emissions	19957 to 20393	20175	1.4MHz	QPSK	1RB
	19975 to 20375	20175	5MHz	QPSK	1RB
	20050 to 20300	20175	20MHz	QPSK	1RB
Band Edge	19957 to 20393	19957, 20393	1.4MHz	QPSK	1RB/6RB
	19965 to 20385	19965, 20385	3MHz	QPSK	1RB/15RB
	19975 to 20375	19975, 20375	5MHz	QPSK	1RB/25RB
	20000 to 20350	20000, 20350	10MHz	QPSK	1RB/50RB
	20025 to 20325	20025, 20325	15MHz	QPSK	1RB/75RB
	20050 to 20300	20050, 20300	20MHz	QPSK	1RB/100RB
Peak To Average Ratio	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM, 64QAM	1RB
	19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM, 64QAM	1RB
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM, 64QAM	1RB
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM, 64QAM	1RB
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM, 64QAM	1RB
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM, 64QAM	1RB
Frequency Stability	19957 to 20393	20175	1.4MHz	QPSK	1RB
	19965 to 20385	20175	3MHz	QPSK	1RB
	19975 to 20375	20175	5MHz	QPSK	1RB
	20000 to 20350	20175	10MHz	QPSK	1RB
	20025 to 20325	20175	15MHz	QPSK	1RB
	20050 to 20300	20175	20MHz	QPSK	1RB

LTE BAND 7 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Output Power & EIRP	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM, 64QAM	1RB/12RB/25RB
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM, 64QAM	1RB/25RB/50RB
	20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM, 64QAM	1RB/36RB/75RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM, 64QAM	1RB/50RB/100RB
Occupied Bandwidth	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM, 64QAM	25RB
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM, 64QAM	50RB
	20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM, 64QAM	75RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM, 64QAM	100RB
Conducted Spurious Emissions	20775 to 21425	21100	5MHz	QPSK	1RB
	20850 to 21350	21100	20MHz	QPSK	1RB
Radiated Spurious Emissions	20775 to 21425	21100	5MHz	QPSK	1RB
	20850 to 21350	21100	20MHz	QPSK	1RB
Band Edge	20775 to 21425	20775, 21425	5MHz	QPSK	1RB/25RB
	20800 to 21400	20800, 21400	10MHz	QPSK	1RB/50RB
	20825 to 21375	20825, 21375	15MHz	QPSK	1RB/75RB
	20850 to 21350	20850, 21350	20MHz	QPSK	1RB/100RB
Peak To Average Ratio	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM, 64QAM	1RB
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM, 64QAM	1RB
	20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM, 64QAM	1RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM, 64QAM	1RB
Frequency Stability	20775 to 21425	21100	5MHz	QPSK	1RB
	20800 to 21400	21100	10MHz	QPSK	1RB
	20825 to 21375	21100	15MHz	QPSK	1RB
	20850 to 21350	21100	20MHz	QPSK	1RB

LTE BAND 12					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Output Power &ERP	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM, 64QAM	1RB/3RB/6RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM, 64QAM	1RB/8RB/15RB
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM, 64QAM	1RB/12RB/25RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM, 64QAM	1RB/25RB/50RB
Frequency Stability	23017 to 23173	23095	1.4MHz	QPSK	1 RB
	23025 to 23165	23095	3MHz	QPSK	1 RB
	23035 to 23155	23095	5MHz	QPSK	1 RB
	23060 to 23130	23095	10MHz	QPSK	1 RB
Occupied Bandwidth	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM, 64QAM	6RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM, 64QAM	15RB
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM, 64QAM	25RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM, 64QAM	50RB
Peak to Average Ratio	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM, 64QAM	1 RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM, 64QAM	1 RB
	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM, 64QAM	1 RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM, 64QAM	1 RB
Band Edge	23017 to 23173	23017,23173	1.4MHz	QPSK	1RB/6RB
	23025 to 23165	23025,23165	3MHz	QPSK	1RB/15RB
	23035 to 23155	23035,23155	5MHz	QPSK	1RB/25RB
	23060 to 23130	23060,23130	10MHz	QPSK	1RB/50RB
Conducted Emission	23017 to 23173	23095	1.4MHz	QPSK	1 RB
	23025 to 23165	23095	3MHz	QPSK	1 RB
	23035 to 23155	23095	5MHz	QPSK	1 RB
	23060 to 23130	23095	10MHz	QPSK	1 RB
Radiated Emission	23017 to 23173	23095	1.4MHz	QPSK	1 RB
	23017 to 23173	23095	5MHz	QPSK	1 RB
	23060 to 23130	23095	10MHz	QPSK	1 RB

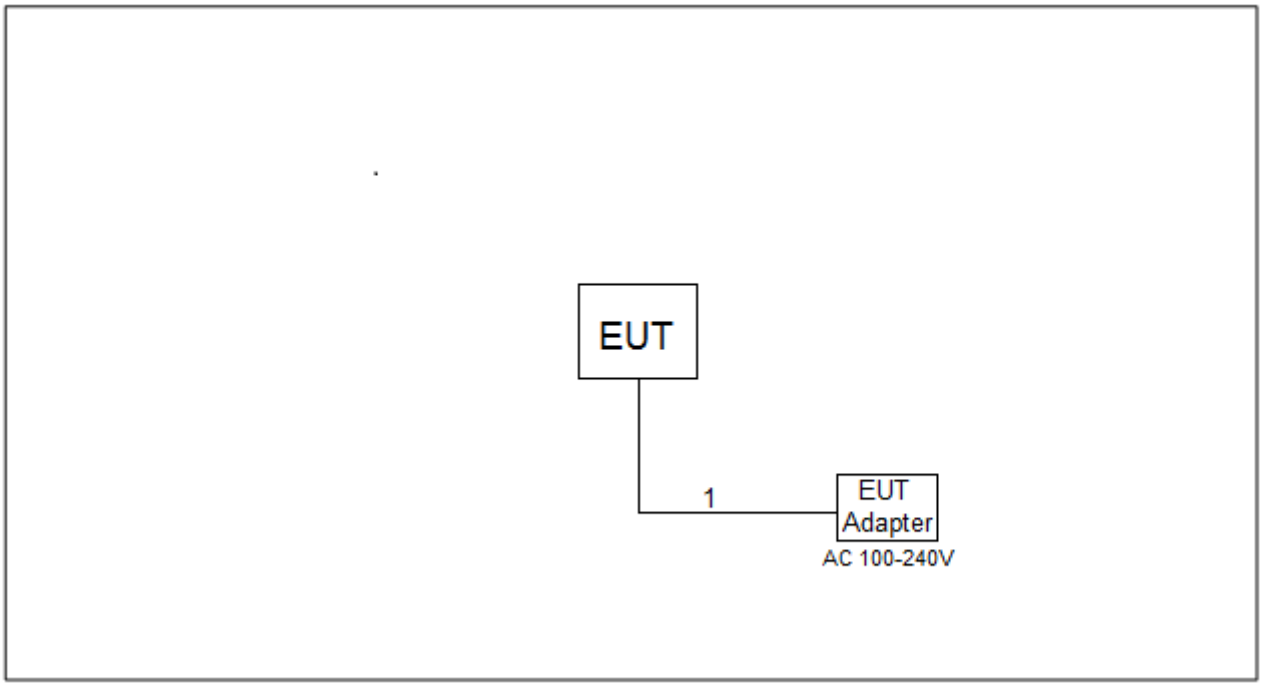
LTE BAND 17 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Output Power & ERP	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM, 64QAM	1RB/12RB/25RB
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM, 64QAM	1RB/25RB/50RB
Occupied Bandwidth	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM, 64QAM	25RB
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM, 64QAM	50RB
Conducted Spurious Emissions	23755 to 23825	23790	5MHz	QPSK	1RB
	23780 to 23800	23790	20MHz	QPSK	1RB
Radiated Spurious Emissions	23755 to 23825	23790	5MHz	QPSK	1RB
	23780 to 23800	23790	20MHz	QPSK	1RB
Band Edge	23755 to 23825	23755, 23825	5MHz	QPSK	1RB/25RB
	23780 to 23800	23780, 23800	10MHz	QPSK	1RB/50RB
Peak to Average Ratio	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM, 64QAM	1RB
	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM, 64QAM	1RB
Frequency Stability	23755 to 23825	23790	5MHz	QPSK	1RB
	23780 to 23800	23790	10MHz	QPSK	1RB

LTE BAND 38 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Output Power & EIRP	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM, 64QAM	1RB/12RB/25RB
	37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM, 64QAM	1RB/25RB/50RB
	37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM, 64QAM	1RB/36RB/75RB
	37850 to 38150	37850, 38000, 38150	20MHz	QPSK, 16QAM, 64QAM	1RB/50RB/100RB
Occupied Bandwidth	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM, 64QAM	25RB
	37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM, 64QAM	50RB
	37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM, 64QAM	75RB
	37850 to 38150	37850, 38000, 38150	20MHz	QPSK, 16QAM, 64QAM	100RB
Conducted Spurious Emissions	37850 to 38150	38000	5MHz	QPSK	1RB
	37850 to 38150	38000	20MHz	QPSK	1RB
Radiated Spurious Emissions	37850 to 38150	38000	5MHz	QPSK	1RB
	37850 to 38150	38000	20MHz	QPSK	1RB
Band Edge	37775 to 38225	37775, 38225	5MHz	QPSK	1RB/25RB
	37800 to 38200	37800, 38200	10MHz	QPSK	1RB/50RB
	37825 to 38175	37825, 38175	15MHz	QPSK	1RB/75RB
	37850 to 38150	37850, 38150	20MHz	QPSK	1RB/100RB
Peak to Average Ratio	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM, 64QAM	1RB
	37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM, 64QAM	1RB
	37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM, 64QAM	1RB
	37850 to 38150	37850, 38000, 38150	20MHz	QPSK, 16QAM, 64QAM	1RB
Frequency Stability	37775 to 38225	38000	5MHz	QPSK	1RB
	37800 to 38200	38000	10MHz	QPSK	1RB
	37825 to 38175	38000	15MHz	QPSK	1RB
	37850 to 38150	38000	20MHz	QPSK	1RB

LTE BAND 41 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Output Power & EIRP	40065 to 41215	40065, 40640, 41215	5MHz	QPSK, 16QAM, 64QAM	1RB/12RB/25RB
	40090 to 41190	40090, 40640, 41190	10MHz	QPSK, 16QAM, 64QAM	1RB/25RB/50RB
	40115 to 41165	40115, 40640, 41165	15MHz	QPSK, 16QAM, 64QAM	1RB/36RB/75RB
	40140 to 41140	40140, 40640, 41140	20MHz	QPSK, 16QAM, 64QAM	1RB/50RB/100RB
Occupied Bandwidth	40065 to 41215	40065, 40640, 41215	5MHz	QPSK, 16QAM, 64QAM	25RB
	40090 to 41190	40090, 40640, 41190	10MHz	QPSK, 16QAM, 64QAM	50RB
	40115 to 41165	40115, 40640, 41165	15MHz	QPSK, 16QAM, 64QAM	75RB
	40140 to 41140	40140, 40640, 41140	20MHz	QPSK, 16QAM, 64QAM	100RB
Conducted Spurious Emissions	40065 to 41215	40640	5MHz	QPSK	1RB
	40140 to 41140	40640	20MHz	QPSK	1RB
Radiated Spurious Emissions	40065 to 41215	40640	5MHz	QPSK	1RB
	40140 to 41140	40640	20MHz	QPSK	1RB
Band Edge	40065 to 41215	40065, 41215	5MHz	QPSK	1RB/25RB
	40090 to 41190	40090, 41190	10MHz	QPSK	1RB/50RB
	40115 to 41165	40115, 41165	15MHz	QPSK	1RB/75RB
	40140 to 41140	40140, 41140	20MHz	QPSK	1RB/100RB
Peak to Average Ratio	40065 to 41215	40065, 40640, 41215	5MHz	QPSK, 16QAM, 64QAM	1RB
	40090 to 41190	40090, 40640, 41190	10MHz	QPSK, 16QAM, 64QAM	1RB
	40115 to 41165	40115, 40640, 41165	15MHz	QPSK, 16QAM, 64QAM	1RB
	40140 to 41140	40140, 40640, 41140	20MHz	QPSK, 16QAM, 64QAM	1RB
Frequency Stability	40065 to 41215	40640	5MHz	QPSK	1RB
	40090 to 41190	40640	10MHz	QPSK	1RB
	40115 to 41165	40640	15MHz	QPSK	1RB
	40140 to 41140	40640	20MHz	QPSK	1RB

LTE BAND 66 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Output Power & EIRP	131979 to 132665	131979, 132322, 132665	1.4MHz	QPSK, 16QAM, 64QAM	1RB/3RB/6RB
	131987 to 132657	131987, 132322, 132657	3MHz	QPSK, 16QAM, 64QAM	1RB/8RB/15RB
	131997 to 132647	131997, 132322, 132647	5MHz	QPSK, 16QAM, 64QAM	1RB/12RB/25RB
	132022 to 132622	132022, 132322, 132622	10MHz	QPSK, 16QAM, 64QAM	1RB/25RB/50RB
	132047 to 132597	132047, 132322, 132597	15MHz	QPSK, 16QAM, 64QAM	1RB/36RB/75RB
	132072 to 132572	132072, 132322, 132572	20MHz	QPSK, 16QAM, 64QAM	1RB/50RB/100RB
Occupied Bandwidth	131979 to 132665	131979, 132322, 132665	1.4MHz	QPSK, 16QAM, 64QAM	6RB
	131987 to 132657	131987, 132322, 132657	3MHz	QPSK, 16QAM, 64QAM	15RB
	131997 to 132647	131997, 132322, 132647	5MHz	QPSK, 16QAM, 64QAM	25RB
	132022 to 132622	132022, 132322, 132622	10MHz	QPSK, 16QAM, 64QAM	50RB
	132047 to 132597	132047, 132322, 132597	15MHz	QPSK, 16QAM, 64QAM	75 RB
	132072 to 132572	132072, 132322, 132572	20MHz	QPSK, 16QAM, 64QAM	100RB
Conducted Spurious Emissions	131979 to 132665	132322	1.4MHz	QPSK	1RB
	131997 to 132647	132322	5MHz	QPSK	1RB
	132072 to 132572	132322	20MHz	QPSK	1RB
Radiated Spurious Emissions	131979 to 132665	132322	1.4MHz	QPSK	1RB
	131997 to 132647	132322	5MHz	QPSK	1RB
	132072 to 132572	132322	20MHz	QPSK	1RB
Band Edge	131979 to 132665	131979, 132665	1.4MHz	QPSK	1RB/6RB
	131987 to 132657	131987, 132657	3MHz	QPSK	1RB/15RB
	131997 to 132647	131997, 132647	5MHz	QPSK	1RB/25RB
	132022 to 132622	132022, 132622	10MHz	QPSK	1RB/50RB
	132047 to 132597	132047, 132597	15MHz	QPSK	1RB/75RB
	132072 to 132572	132072, 132572	20MHz	QPSK	1RB/100RB
Peak to Average Ratio	131979 to 132665	131979, 132322, 132665	1.4MHz	QPSK, 16QAM, 64QAM	1RB/3RB/6RB
	131987 to 132657	131987, 132322, 132657	3MHz	QPSK, 16QAM, 64QAM	1RB/8RB/15RB
	131997 to 132647	131997, 132322, 132647	5MHz	QPSK, 16QAM, 64QAM	1RB/12RB/25RB
	132022 to 132622	132022, 132322, 132622	10MHz	QPSK, 16QAM, 64QAM	1RB/25RB/50RB
	132047 to 132597	132047, 132322, 132597	15MHz	QPSK, 16QAM, 64QAM	1RB/36RB/75RB
	132072 to 132572	132072, 132322, 132572	20MHz	QPSK, 16QAM, 64QAM	1RB/50RB/100RB
Frequency Stability	131979 to 132665	132322	1.4MHz	QPSK	1RB
	131987 to 132657	132322	3MHz	QPSK	1RB
	131997 to 132647	132322	5MHz	QPSK	1RB
	132022 to 132622	132322	10MHz	QPSK	1RB
	132047 to 132597	132322	15MHz	QPSK	1RB
	132072 to 132572	132322	20MHz	QPSK	1RB

2.3 BLOCK DIGRAM SHOWING THECONFIGURATIONOFSYSTEMTESTED



2.4 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	USB Cable	NO	NO	1m

3. TEST RESULT

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMIT

Mobile / Portable station are limited to 1 watts e.i.r.p. (Part 27 Subpart L)
Mobile / Portable station are limited to 2 watts e.i.r.p. (Part 27 Subpart M)
Mobile / Portable station are limited to 3 watts e.r.p (Part 27 Subpart C)

3.1.2 TEST PROCEDURE

The testing follows FCC KDB 971168 v03r01 Section 5.

EIRP:

EIRP = Output Power + Antenan gain

ERP:

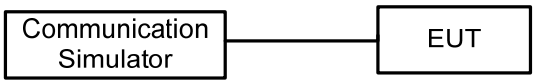
ERP = EIRP-2.15

Output Power:

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

3.1.3 TEST SETUP LAYOUT

Output Power Measurement



3.1.4 TEST DEVIATION

No deviation

3.1.5 TEST RESULTS

Please refer to the APPENDIX A.

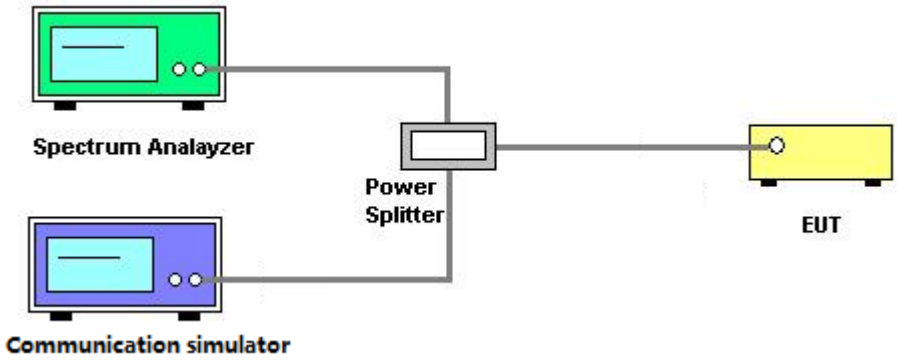
3.2 OCCUPIED BANDWIDTH MEASUREMENT

3.2.1 TEST PROCEDURE

The testing follows FCC KDB 971168 v03r01 Section 4.

1. The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth and 26dB bandwidth.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. RBW=(1% ~ 5%)*EBW
   VBW≥3* RBW
4. Set spectrum analyzer with Peak detector.

3.2.2 TEST SETUP LAYOUT



3.2.3 TEST DEVIATION

No deviation

3.2.4 TEST RESULTS

Please refer to the APPENDIX B.

3.3 CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

3.3.1 LIMIT

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 -13dBm. (Part 27 Subpart L)

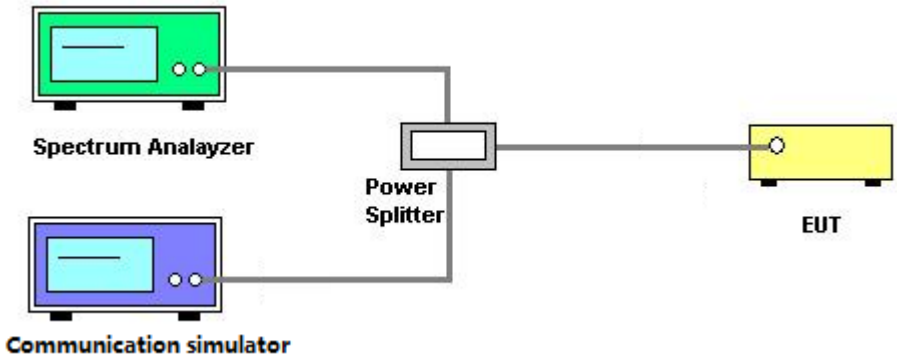
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 55 + 10 log(P) dB. The emission limit equal to -25dBm. (Part 27 Subpart M)

3.3.2 TEST PROCEDURES

The testing follows FCC KDB 971168 v03r01 Section 6.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured. Set RBW>=1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
3. Set spectrum analyzer with Peak detector.
4. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.3.3 TEST SETUP LAYOUT



3.3.4 TEST DEVIATION

No deviation

3.3.5 TEST RESULTS

Please refer to the APPENDIX C.

3.4 RADIATED SPURIOUS EMISSIONS MEASUREMENT

3.4.1 LIMIT

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 -13dBm. (Part 27 Subpart L)

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 55 + 10 log(P) dB. The emission limit equal to -25dBm. (Part 27 Subpart M)

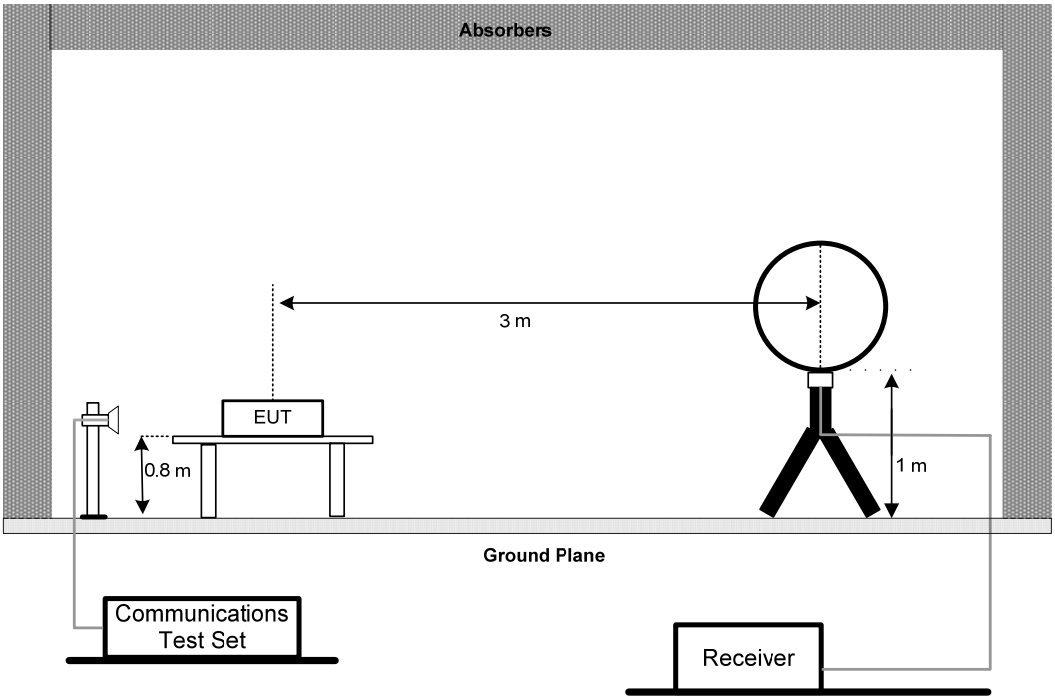
3.4.2 TEST PROCEDURES

The testing follows FCC KDB 971168 v03r01 Section 6.2.

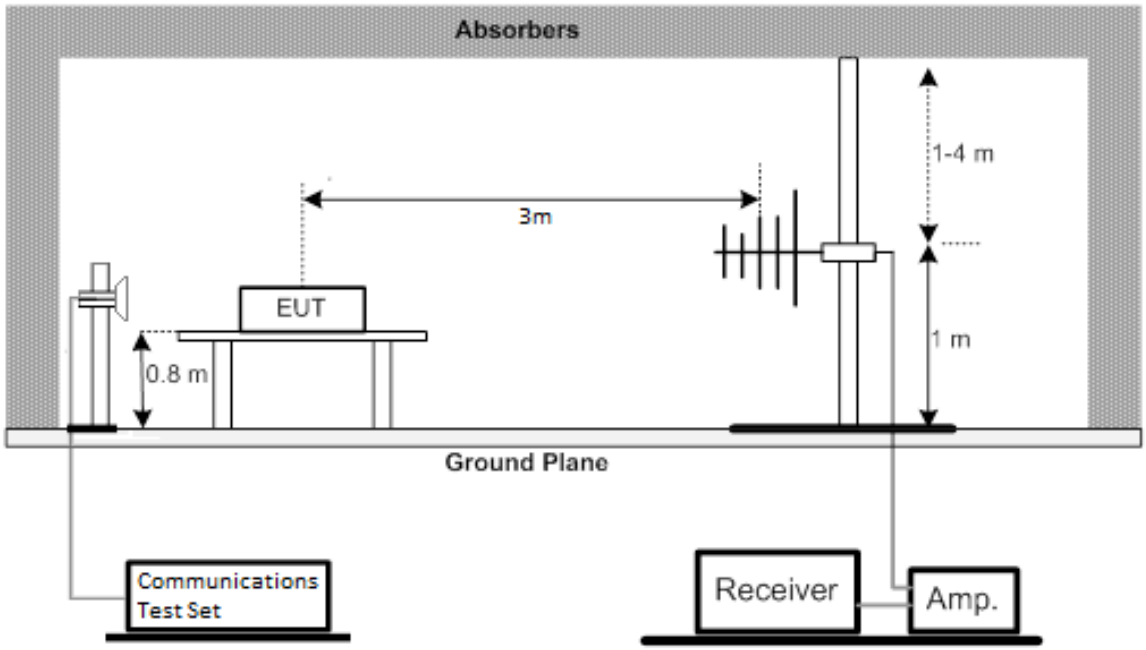
1. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
2. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value “ of step a. Record the power level of S.G
3. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
4. ERP can be calculated form EIRP by subtracting the gain of dipole, ERP = EIPR - 2.15dBi.
5. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

3.4.3 TEST SETUP LAYOUT

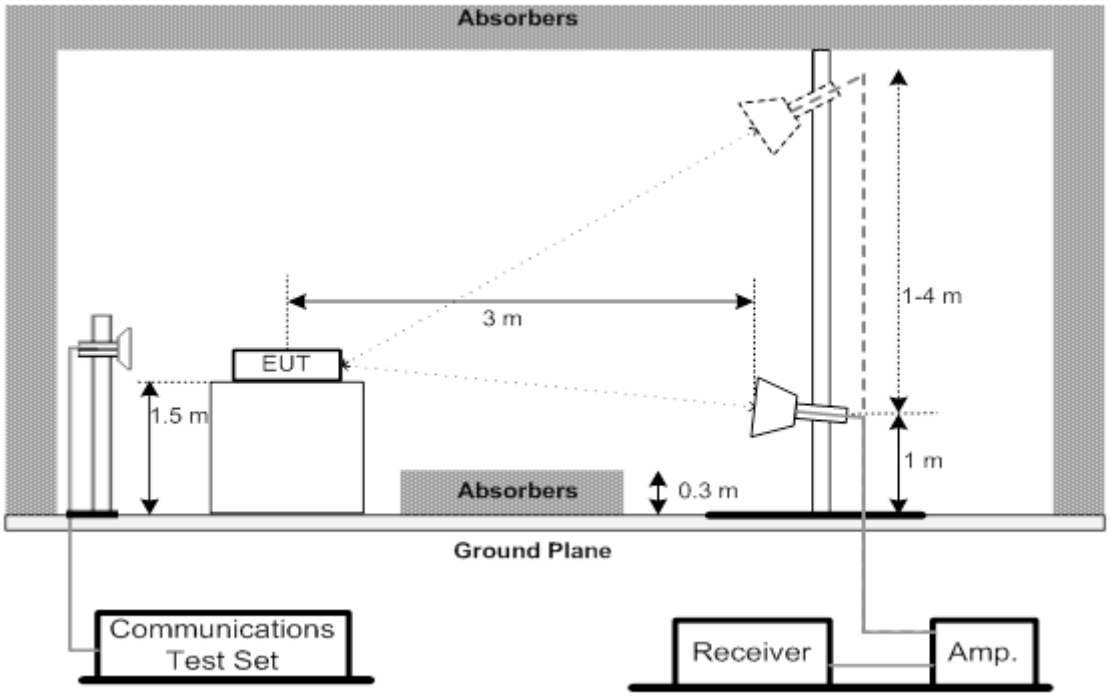
Below 30MHz



30MHz to 1GHz



Above 1GHz



3.4.4 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the APPENDIX D.

3.4.5 TEST RESULTS (30MHZ TO 1000MHZ)

Please refer to the APPENDIX E.

3.4.6 TEST RESULTS (ABOVE 1000MHZ)

Please refer to the APPENDIX F.

3.5 BAND EDGE MEASUREMENT

3.5.1 LIMIT

The power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed. (Part 27 Subpart L)

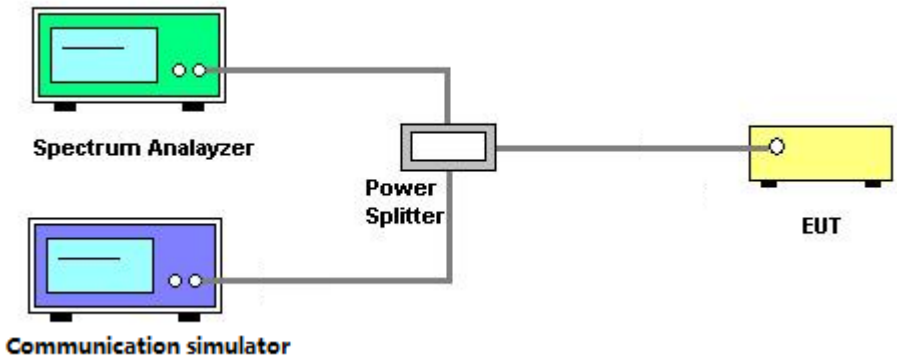
For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. (Part 27 Subpart M)

3.5.2 TEST PROCEDURES

The testing follows FCC KDB 971168 v03r01 Section 6.

1. All measurements were done at low and high operational frequency range.
2. Record the max trace plot into the test report.

3.5.3 TEST SETUP LAYOUT



3.5.4 TEST DEVIATION

No deviation

3.5.5 TEST RESULTS

Please refer to the APPENDIX G.

3.6 PEAK TO AVERAGE RATIO MEASUREMENT

3.6.1 LIMIT

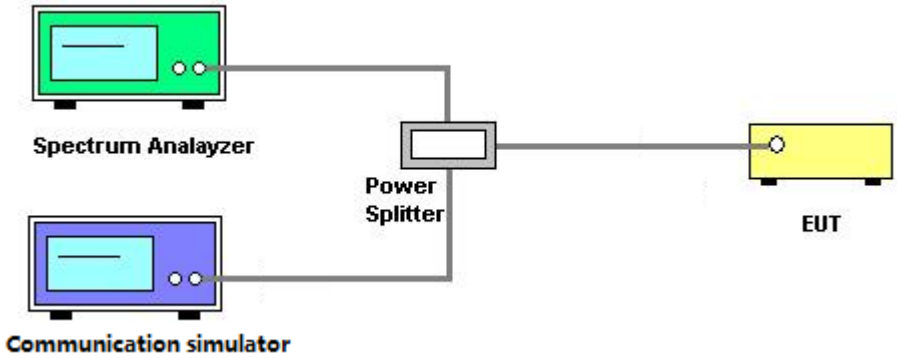
In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.6.2 TEST PROCEDURES

The testing follows FCC KDB 971168 v03r01 Section 5.7.

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

3.6.3 TEST SETUP LAYOUT



3.6.4 TEST DEVIATION

No deviation

3.6.5 TEST RESULTS

Please refer to the APPENDIX H.

3.7 FREQUENCY STABILITY MEASUREMENT

3.7.1 LIMIT

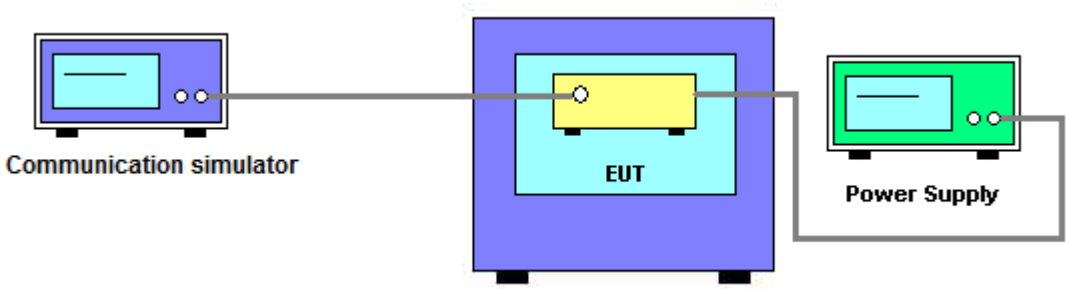
±1.5 ppm is for base and fixed station. ±2.5 ppm is for mobile station.

3.7.2 TEST PROCEDURES

The testing follows FCC KDB 971168 v03r01 Section 9.

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

3.7.3 TEST SETUP LAYOUT



3.7.4 TEST DEVIATION

No deviation

3.7.5 TEST RESULTS

Please refer to the APPENDIX I.

4. LIST OF MEASUREMENT EQUIPMENTS

Radiated Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3231	Apr. 14, 2022
2	Amplifier	Agilent	8449B	3008A02334	Feb. 27, 2022
3	HighPass Filter	Wairrwright Instruments Gmbh	WHK 1.5/15G-10ST	11	Feb. 27, 2022
4	Band Reject Filter	Wairrwright Instruments Gmbh	WRCG 1710/1785-1690/1805-60/12SS	38	Feb. 27, 2022
5	Band Reject Filter	Wairrwright Instruments Gmbh	WRCG 824/849-810/863-60/9SS	7	Feb. 27, 2022
6	Band Reject Filter	Wairrwright Instruments Gmbh	WRCG 880/915-860/935-60/9SS	14	Feb. 27, 2022
7	Band Reject Filter	Wairrwright Instruments Gmbh	WRCG 1850/1910-1830/1930-60/10SS	17	Feb. 27, 2022
8	HighPass Filter	Wairrwright Instruments Gmbh	WHK3.1/18G-10SS	24	Feb. 27, 2022
9	Wireless Communication Test SET	Agilent	E5515C	MY48364183	Feb. 28, 2022
10	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 28, 2022
11	Receiver	Agilent	N9038A	MY52130039	Mar. 19, 2022
12	wideband radio communication tester	R&S	CMW500	152372	Feb. 27, 2022
13	High pass filter	KANGMAIWEI	ZHPF-M3-12.75G-3869	B2015073763	Feb. 07, 2022
14	High pass filter	KANGMAIWEI	ZHPF-M1000-4000-1	B2015073762	Feb. 07, 2022
15	High pass filter	KANGMAIWEI	ZHPF-M6-186-1727	B2015073764	Feb. 07, 2022
16	Cable	emci	LMR-400(30MHz-1GHz) (8m+5m)	N/A	May 20, 2022
17	Cable	mitron	RWLP50-4.0A-KJ-SMSM-12M	N/A	Nov. 23, 2021
18	Controller	ETS-Lindgren	2090	N/A	N/A
19	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
20	Antenna	EM	EM-6876-1	230	Apr. 28, 2022
21	Double Ridged Guide Antenna	ETS	3115	75846	Mar. 17, 2022
22	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 30, 2022

Conducted Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	8960 Series 10 Wireless Com Test set	Agilent	E5515E	MY52112163	Jul. 24, 2022
2	MXA Signal Analyzer	Keysight	N9020A	MY49100060	Feb. 28, 2022
3	Power Splitter	Mini-Circuits	ZFRSC-183-S+	SF103501511S	Jul. 24, 2022
4	wideband radio communication tester	R&S	CMW500	104462	Jul. 24, 2022
5	Const Temp. & Humi dity Chamber	Bell	BTH-50C	20170306001	Feb. 27, 2022
6*	Multi-output DC Power Supply	GW Instek	GPC-3030DN	EK880675	Jul. 25, 2023

Remark: ”N/A” denotes no model name, serial no. or calibration specified.
Except * item, all calibration period of equipment list is one year.
“*” calibration period of equipment list is three year.

APPENDIX A - OUTPUT POWER

Output Power For Main Antenna (dBm):

Modulation	Band	WCDMA Band IV		
	Tx Channel	1312CH	1413CH	1513CH
	Frequency	1712.4MHz	1732.6MHz	1752.6MHz
QPSK	RMC 12.2K	23.8	23.66	23.76
	RMC 64K	23.83	23.66	23.79
	RMC 144K	23.83	23.67	23.78
	RMC 384K	23.85	23.68	23.8
	HSDPA Subtest-1	23.37	23.28	23.43
	HSDPA Subtest-2	23.32	23.21	23.35
	HSDPA Subtest-3	22.86	22.75	22.86
	HSDPA Subtest-4	22.86	22.74	22.83
	HSUPA Subtest-1	21.14	21.31	21.43
	HSUPA Subtest-2	20.91	20.76	20.67
	HSUPA Subtest-3	21.91	21.8	21.93
	HSUPA Subtest-4	21.37	21.3	21.44
	HSUPA Subtest-5	22.42	22.28	22.43

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19957CH	20175CH	20393CH
				1710.7MHz	1732.5MHz	1754.3MHz
4 / 1.4M	QPSK	1	0	22.48	22.38	22.50
		1	2	22.53	22.46	22.52
		1	5	22.48	22.39	22.50
		3	0	22.55	22.52	22.54
		3	1	22.57	22.55	22.57
		3	2	22.55	22.56	22.56
		6	0	21.69	21.66	21.63
	16QAM	1	0	21.65	21.87	21.58
		1	2	21.69	21.90	21.59
		1	5	21.62	21.85	21.57
		3	0	21.67	21.80	21.78
		3	1	21.67	21.81	21.81
		3	2	21.69	21.81	21.80
		6	0	20.82	20.56	20.88
	64QAM	1	0	21.10	20.76	20.87
		1	2	21.18	20.85	20.91
		1	5	21.06	20.74	20.90
		3	0	21.08	20.86	20.72
		3	1	21.08	20.88	20.74
		3	2	21.06	20.88	20.77
		6	0	19.68	20.01	19.82

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19965CH	20175CH	20385CH
				1711.5MHz	1732.5MHz	1753.5MHz
4 / 3M	QPSK	1	0	22.28	22.41	22.35
		1	7	22.42	22.49	22.47
		1	14	22.31	22.34	22.36
		8	0	21.57	21.57	21.58
		8	4	21.66	21.67	21.62
		8	7	21.60	21.56	21.58
		15	0	21.58	21.55	21.55
	16QAM	1	0	21.40	21.79	21.50
		1	7	21.46	21.92	21.60
		1	14	21.38	21.79	21.39
		8	0	20.75	20.77	20.71
		8	4	20.78	20.78	20.76
		8	7	20.72	20.71	20.71
		15	0	20.64	20.60	20.62
	64QAM	1	0	20.86	20.65	20.83
		1	7	21.01	20.80	20.93
		1	14	20.86	20.69	20.76
		8	0	19.77	19.70	19.70
		8	4	19.79	19.75	19.74
		8	7	19.69	19.66	19.65
		15	0	19.64	19.67	19.69

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19975CH	20175CH	20375CH
				1712.5MHz	1732.5MHz	1752.5MHz
4 / 5M	QPSK	1	0	22.68	22.61	22.70
		1	13	22.78	22.70	22.80
		1	24	22.69	22.59	22.68
		12	0	21.60	21.65	21.64
		12	6	21.67	21.69	21.70
		12	11	21.71	21.69	21.68
		25	0	21.68	21.67	21.65
	16QAM	1	0	21.87	22.17	21.80
		1	13	22.01	22.28	21.87
		1	24	21.89	22.17	21.81
		12	0	20.73	20.84	20.77
		12	6	20.81	20.90	20.84
		12	11	20.85	20.85	20.81
		25	0	20.71	20.76	20.70
	64QAM	1	0	20.70	21.01	21.01
		1	13	20.80	21.15	21.09
		1	24	20.71	20.99	21.01
		12	0	19.73	19.68	19.81
		12	6	19.80	19.73	19.88
		12	11	19.80	19.69	19.85
		25	0	19.69	19.71	19.80

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20000CH	20175CH	20350CH
				1715MHz	1732.5MHz	1750MHz
4 / 10M	QPSK	1	0	22.61	22.71	22.69
		1	25	22.72	22.78	22.73
		1	49	22.71	22.72	22.69
		25	0	21.61	21.72	21.68
		25	13	21.78	21.78	21.76
		25	25	21.82	21.68	21.69
		50	0	21.71	21.67	21.69
	16QAM	1	0	21.71	22.13	21.81
		1	25	21.80	22.18	21.82
		1	49	21.71	22.13	21.77
		25	0	20.64	20.75	20.87
		25	13	20.80	20.83	20.92
		25	25	20.84	20.72	20.87
		50	0	20.70	20.74	20.83
	64QAM	1	0	21.07	20.91	21.04
		1	25	21.17	20.97	21.09
		1	49	21.13	20.94	20.99
		25	0	19.69	19.81	19.90
		25	13	19.84	19.87	19.93
		25	25	19.86	19.80	19.89
		50	0	19.77	19.81	19.84

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20025CH	20175CH	20325CH
				1717.5MHz	1732.5MHz	1747.5MHz
4 / 15M	QPSK	1	0	22.56	22.63	22.66
		1	38	22.71	22.76	22.80
		1	74	22.60	22.67	22.68
		36	0	21.64	21.69	21.72
		36	18	21.79	21.77	21.71
		36	39	21.80	21.69	21.69
		75	0	21.73	21.71	21.72
	16QAM	1	0	21.63	22.02	22.15
		1	38	21.77	22.18	22.30
		1	74	21.58	22.09	22.19
		36	0	20.62	20.75	20.74
		36	18	20.75	20.81	20.78
		36	39	20.75	20.74	20.74
		75	0	20.73	20.76	20.77
	64QAM	1	0	21.01	20.82	21.37
		1	38	21.12	20.97	21.53
		1	74	20.97	20.87	21.41
		36	0	19.70	19.77	19.78
		36	18	19.81	19.85	19.82
		36	39	19.81	19.81	19.79
		75	0	19.76	19.75	19.85

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20050CH	20175CH	20300CH
				1720MHz	1732.5MHz	1740MHz
4 / 20M	QPSK	1	0	22.53	22.53	22.47
		1	50	22.80	22.75	22.74
		1	99	22.63	22.60	22.58
		50	0	21.55	21.65	21.80
		50	25	21.76	21.77	21.79
		50	50	21.80	21.66	21.72
		100	0	21.70	21.66	21.77
	16QAM	1	0	22.10	22.05	22.01
		1	50	22.34	22.24	22.28
		1	99	22.16	22.16	22.07
		50	0	20.63	20.72	20.82
		50	25	20.82	20.84	20.84
		50	50	20.87	20.76	20.78
		100	0	20.76	20.71	20.87
	64QAM	1	0	20.96	21.22	20.86
		1	50	21.21	21.50	21.14
		1	99	21.04	21.35	20.93
		50	0	19.68	19.75	19.92
		50	25	19.88	19.90	19.94
		50	50	19.93	19.80	19.87
		100	0	19.78	19.73	19.88

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20775CH	21100CH	21425CH
				2502.5MHz	2535MHz	2567.5MHz
7 / 5M	QPSK	1	0	22.80	22.87	22.86
		1	13	22.96	23.02	23.01
		1	24	22.84	22.91	22.88
		12	0	21.80	21.85	21.85
		12	6	21.88	21.93	21.86
		12	11	21.85	21.89	21.81
		25	0	21.85	21.90	21.85
	16QAM	1	0	21.93	22.37	21.89
		1	13	22.09	22.48	22.04
		1	24	21.96	22.35	21.93
		12	0	20.89	21.05	20.94
		12	6	20.96	21.11	20.96
		12	11	20.95	21.07	20.90
		25	0	20.84	20.97	20.78
	64QAM	1	0	20.71	21.16	21.04
		1	2	20.89	21.30	21.20
		1	5	20.78	21.16	21.10
		3	0	19.86	19.83	19.98
		3	1	19.96	19.92	19.99
		3	2	19.94	19.89	19.95
		6	0	19.84	19.90	19.86

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20800CH	21100CH	21400CH
				2505MHz	2535MHz	2565MHz
7 / 10M	QPSK	1	0	22.84	22.95	22.84
		1	25	22.93	22.99	22.89
		1	49	22.90	22.97	22.88
		25	0	21.78	21.86	21.88
		25	13	21.91	21.94	21.91
		25	25	21.90	21.92	21.72
		50	0	21.86	21.87	21.82
	16QAM	1	0	21.76	22.25	21.86
		1	25	21.85	22.33	21.91
		1	49	21.80	22.27	21.90
		25	0	20.83	20.94	20.99
		25	13	20.94	20.99	20.98
		25	25	20.94	20.95	20.82
		50	0	20.85	20.94	20.90
	64QAM	1	0	21.19	21.05	21.07
		1	25	21.30	21.13	21.11
		1	49	21.20	21.08	21.09
		25	0	19.88	19.99	20.00
		25	13	19.99	20.05	20.02
		25	25	19.98	20.02	19.87
		50	0	19.93	20.00	19.91

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20825CH	21100CH	21375CH
				2507.5MHz	2535MHz	2562.5MHz
7 / 15M	QPSK	1	0	22.82	22.88	22.84
		1	38	22.90	23.03	22.94
		1	74	22.87	22.92	22.92
		36	0	21.84	21.89	21.89
		36	18	21.92	21.95	21.92
		36	39	21.87	21.93	21.78
		75	0	21.86	21.91	21.82
	16QAM	1	0	21.65	22.19	22.21
		1	38	21.81	22.35	22.31
		1	74	21.77	22.23	22.21
		36	0	20.78	20.89	20.85
		36	18	20.86	20.99	20.86
		36	39	20.83	20.95	20.75
		75	0	20.84	20.95	20.83
	64QAM	1	0	21.12	20.97	21.44
		1	38	21.25	21.14	21.53
		1	74	21.19	20.99	21.42
		36	0	19.83	19.94	19.88
		36	18	19.93	20.01	19.91
		36	39	19.90	19.97	19.79
		75	0	19.87	19.92	19.87

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20850CH	21100CH	21350CH
				2510MHz	2535MHz	2560MHz
7 / 20M	QPSK	1	0	22.75	22.78	22.75
		1	50	22.96	22.96	22.93
		1	99	22.83	22.81	22.83
		50	0	21.76	21.82	21.85
		50	25	21.87	21.96	21.88
		50	50	21.83	21.91	21.67
		100	0	21.79	21.85	21.77
	16QAM	1	0	22.21	22.23	22.13
		1	50	22.43	22.42	22.32
		1	99	22.29	22.29	22.16
		50	0	20.80	20.88	20.87
		50	25	20.94	21.01	20.90
		50	50	20.88	20.94	20.68
		100	0	20.85	20.89	20.79
	64QAM	1	0	21.08	21.44	20.97
		1	50	21.27	21.63	21.17
		1	99	21.17	21.47	21.02
		50	0	19.88	19.91	19.96
		50	25	20.01	20.07	19.99
		50	50	19.97	19.97	19.76
		100	0	19.89	19.89	19.82

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23017CH	23095CH	23173CH
				699.7MHz	707.5MHz	715.3MHz
12 / 1.4M	QPSK	1	0	23.25	23.15	23.20
		1	2	23.32	23.25	23.25
		1	5	23.24	23.16	23.19
		3	0	23.36	23.30	23.31
		3	1	23.38	23.32	23.34
		3	2	23.35	23.35	23.33
		6	0	22.49	22.43	22.42
	16QAM	1	0	22.42	22.44	22.73
		1	2	22.45	22.50	22.75
		1	5	22.39	22.44	22.71
		3	0	22.67	22.48	22.67
		3	1	22.71	22.48	22.65
		3	2	22.66	22.49	22.65
		6	0	21.70	21.63	21.39
	64QAM	1	0	21.71	21.89	21.60
		1	2	21.72	21.97	21.70
		1	5	21.72	21.84	21.58
		3	0	21.53	21.88	21.68
		3	1	21.57	21.90	21.70
		3	2	21.52	21.89	21.70
		6	0	20.61	20.51	20.81

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23025CH	23095CH	23165CH
				700.5MHz	707.5MHz	714.5MHz
12 / 3M	QPSK	1	0	23.01	23.11	23.06
		1	7	23.14	23.23	23.17
		1	14	23.01	23.10	23.04
		8	0	22.38	22.33	22.34
		8	4	22.39	22.41	22.40
		8	7	22.32	22.27	22.33
		15	0	22.35	22.28	22.33
	16QAM	1	0	22.14	22.57	22.29
		1	7	22.26	22.72	22.38
		1	14	22.13	22.50	22.24
		8	0	21.55	21.50	21.47
		8	4	21.58	21.54	21.52
		8	7	21.48	21.44	21.43
		15	0	21.40	21.39	21.37
	64QAM	1	0	21.64	21.42	21.58
		1	7	21.76	21.59	21.67
		1	14	21.63	21.48	21.54
		8	0	20.51	20.45	20.42
		8	4	20.54	20.53	20.48
		8	7	20.40	20.43	20.37
		15	0	20.34	20.41	20.44

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23035CH	23095CH	23155CH
				701.5MHz	707.5MHz	713.5MHz
12 / 5M	QPSK	1	0	23.43	23.33	23.38
		1	13	23.54	23.43	23.52
		1	24	23.39	23.37	23.43
		12	0	22.42	22.35	22.45
		12	6	22.50	22.45	22.43
		12	11	22.50	22.40	22.47
		25	0	22.53	22.40	22.51
	16QAM	1	0	22.61	22.97	22.58
		1	13	22.75	23.09	22.73
		1	24	22.65	22.96	22.62
		12	0	21.55	21.56	21.56
		12	6	21.62	21.64	21.59
		12	11	21.62	21.60	21.57
		25	0	21.52	21.52	21.52
	64QAM	1	0	21.44	21.77	21.72
		1	13	21.54	21.92	21.88
		1	24	21.45	21.82	21.81
		12	0	20.50	20.39	20.60
		12	6	20.58	20.49	20.64
		12	11	20.55	20.42	20.63
		25	0	20.49	20.40	20.57

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23060CH	23095CH	23130CH
				704MHz	707.5MHz	711MHz
12 / 10M	QPSK	1	0	23.38	23.45	23.37
		1	25	23.43	23.48	23.41
		1	49	23.39	23.45	23.38
		25	0	22.47	22.33	22.52
		25	13	22.54	22.49	22.53
		25	25	22.58	22.36	22.46
		50	0	22.55	22.35	22.51
	16QAM	1	0	22.49	22.92	22.55
		1	25	22.51	22.89	22.58
		1	49	22.45	22.89	22.57
		25	0	21.51	21.41	21.62
		25	13	21.60	21.55	21.64
		25	25	21.63	21.41	21.61
		50	0	21.60	21.45	21.61
	64QAM	1	0	21.87	21.68	21.87
		1	25	21.91	21.70	21.91
		1	49	21.84	21.71	21.93
		25	0	20.54	20.45	20.64
		25	13	20.59	20.62	20.66
		25	25	20.65	20.50	20.59
		50	0	20.60	20.49	20.59

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23755CH	23790CH	23825CH
				706.5MHz	710MHz	713.5MHz
17 / 5M	QPSK	1	0	23.37	23.36	23.39
		1	13	23.47	23.48	23.49
		1	24	23.37	23.40	23.37
		12	0	22.39	22.42	22.42
		12	6	22.44	22.45	22.47
		12	11	22.51	22.41	22.47
		25	0	22.49	22.46	22.49
	16QAM	1	0	22.64	22.57	22.95
		1	13	22.74	22.72	23.07
		1	24	22.61	22.65	22.95
		12	0	21.50	21.56	21.64
		12	6	21.53	21.59	21.66
		12	11	21.58	21.52	21.65
		25	0	21.48	21.48	21.60
	64QAM	1	0	21.75	21.43	21.80
		1	13	21.86	21.56	21.94
		1	24	21.74	21.48	21.80
		12	0	20.55	20.56	20.47
		12	6	20.59	20.58	20.50
		12	11	20.63	20.52	20.48
		25	0	20.52	20.48	20.49

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23780CH	23790CH	23800CH
				709MHz	710MHz	711MHz
17 / 10M	QPSK	1	0	23.38	23.42	23.37
		1	25	23.44	23.47	23.41
		1	49	23.37	23.44	23.39
		25	0	22.41	22.44	22.51
		25	13	22.51	22.51	22.52
		25	25	22.40	22.42	22.49
		50	0	22.41	22.45	22.50
	16QAM	1	0	22.50	22.87	22.56
		1	25	22.51	22.90	22.60
		1	49	22.47	22.91	22.55
		25	0	21.43	21.49	21.61
		25	13	21.52	21.59	21.64
		25	25	21.44	21.47	21.60
		50	0	21.43	21.47	21.58
	64QAM	1	0	21.85	21.65	21.76
		1	25	21.90	21.70	21.79
		1	49	21.81	21.71	21.77
		25	0	20.46	20.53	20.63
		25	13	20.55	20.62	20.65
		25	25	20.44	20.55	20.60
		50	0	20.44	20.52	20.56

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				37775CH	38000CH	38225CH
				2572.5MHz	2595MHz	2617.5MHz
38 / 5M	QPSK	1	0	22.47	22.45	22.44
		1	13	22.53	22.52	22.53
		1	24	22.48	22.44	22.43
		12	0	21.45	21.45	21.45
		12	6	21.46	21.50	21.52
		12	11	21.46	21.48	21.49
		25	0	21.47	21.49	21.50
	16QAM	1	0	21.84	21.65	21.76
		1	13	21.92	21.78	21.88
		1	24	21.84	21.65	21.74
		12	0	20.57	20.50	20.49
		12	6	20.59	20.57	20.54
		12	11	20.57	20.55	20.50
		25	0	20.49	20.46	20.54
	64QAM	1	0	20.58	21.00	20.78
		1	13	20.63	21.08	20.88
		1	24	20.53	21.01	20.78
		12	0	19.48	19.58	19.45
		12	6	19.51	19.63	19.51
		12	11	19.49	19.62	19.46
		25	0	19.51	19.42	19.42

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				37800CH	38000CH	38200CH
				2575MHz	2595MHz	2615MHz
38 / 10M	QPSK	1	0	22.58	22.48	22.62
		1	25	22.56	22.52	22.66
		1	49	22.51	22.50	22.65
		25	0	21.54	21.51	21.50
		25	13	21.54	21.56	21.59
		25	25	21.50	21.52	21.54
		50	0	21.52	21.50	21.55
	16QAM	1	0	21.83	21.98	21.92
		1	25	21.85	21.98	21.99
		1	49	21.81	21.96	21.97
		25	0	20.53	20.51	20.53
		25	13	20.59	20.53	20.61
		25	25	20.54	20.53	20.57
		50	0	20.55	20.57	20.58
	64QAM	1	0	20.42	21.06	20.79
		1	25	20.43	21.09	20.83
		1	49	20.38	21.05	20.81
		25	0	19.56	19.47	19.46
		25	13	19.61	19.52	19.52
		25	25	19.57	19.50	19.49
		50	0	19.54	19.53	19.56

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				37825CH	38000CH	38175CH
				2577.5MHz	2595MHz	2612.5MHz
38 / 15M	QPSK	1	0	22.44	22.54	22.50
		1	38	22.55	22.65	22.61
		1	74	22.44	22.54	22.51
		36	0	21.51	21.51	21.46
		36	18	21.54	21.54	21.56
		36	39	21.51	21.51	21.57
		75	0	21.50	21.52	21.51
	16QAM	1	0	21.74	21.92	21.88
		1	38	21.86	22.02	21.99
		1	74	21.74	21.90	21.91
		36	0	20.48	20.45	20.41
		36	18	20.54	20.51	20.50
		36	39	20.49	20.48	20.50
		75	0	20.51	20.51	20.49
	64QAM	1	0	20.33	20.97	20.57
		1	38	20.46	21.10	20.69
		1	74	20.33	20.99	20.60
		36	0	19.52	19.54	19.40
		36	18	19.58	19.56	19.49
		36	39	19.54	19.52	19.50
		75	0	19.49	19.51	19.52

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				37850CH	38000CH	38150CH
				2580MHz	2595MHz	2610MHz
38 / 20M	QPSK	1	0	22.43	22.46	22.43
		1	50	22.58	22.66	22.59
		1	99	22.41	22.47	22.47
		50	0	21.48	21.48	21.45
		50	25	21.56	21.58	21.55
		50	50	21.50	21.49	21.55
		100	0	21.46	21.47	21.49
	16QAM	1	0	21.69	21.59	21.80
		1	50	21.87	21.76	21.97
		1	99	21.70	21.62	21.86
		50	0	20.49	20.47	20.54
		50	25	20.55	20.59	20.63
		50	50	20.51	20.53	20.61
		100	0	20.49	20.51	20.50
	64QAM	1	0	20.98	20.54	20.79
		1	50	21.15	20.72	20.98
		1	99	20.99	20.56	20.84
		50	0	19.55	19.51	19.52
		50	25	19.62	19.61	19.63
		50	50	19.57	19.55	19.60
		100	0	19.51	19.51	19.57

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				40065CH	40640CH	41215CH
				2537.5MHz	2595MHz	2652.5MHz
41 / 5M	QPSK	1	0	22.41	22.42	22.36
		1	13	22.54	22.52	22.46
		1	24	22.41	22.42	22.32
		12	0	20.42	20.45	20.41
		12	6	20.50	20.49	20.45
		12	11	20.48	20.46	20.42
		25	0	20.47	20.47	20.45
	16QAM	1	0	21.58	21.67	21.77
		1	13	21.70	21.82	21.87
		1	24	21.61	21.67	21.77
		12	0	19.97	19.94	20.03
		12	6	20.06	19.97	20.08
		12	11	20.03	19.95	20.04
		25	0	19.93	19.99	19.96
	64QAM	1	0	20.48	20.97	20.70
		1	13	20.61	21.06	20.82
		1	24	20.49	20.97	20.68
		12	0	19.45	19.56	19.39
		12	6	19.49	19.62	19.43
		12	11	19.50	19.58	19.41
		25	0	19.49	19.40	19.35

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				40090CH	40640CH	41190CH
				2540MHz	2595MHz	2650MHz
41 / 10M	QPSK	1	0	22.44	22.61	22.46
		1	25	22.45	22.63	22.48
		1	49	22.43	22.59	22.41
		25	0	20.47	20.51	20.45
		25	13	20.51	20.52	20.50
		25	25	20.47	20.51	20.45
		50	0	20.48	20.52	20.45
	16QAM	1	0	21.69	21.93	21.86
		1	25	21.72	21.95	21.87
		1	49	21.67	21.92	21.82
		25	0	19.95	19.98	19.97
		25	13	20.00	20.03	20.00
		25	25	19.96	20.00	19.97
		50	0	19.97	20.04	20.02
	64QAM	1	0	20.29	21.02	20.76
		1	25	20.31	21.06	20.77
		1	49	20.28	21.01	20.71
		25	0	19.49	19.44	19.39
		25	13	19.53	19.47	19.43
		25	25	19.52	19.46	19.39
		50	0	19.48	19.47	19.48

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				40115CH	40640CH	41165CH
				2542.5MHz	2595MHz	2647.5MHz
41 / 15M	QPSK	1	0	22.36	22.50	22.41
		1	38	22.45	22.62	22.50
		1	74	22.33	22.52	22.38
		36	0	20.44	20.40	20.39
		36	18	20.46	20.47	20.44
		36	39	20.41	20.46	20.41
		75	0	20.43	20.43	20.41
	16QAM	1	0	21.62	21.87	21.72
		1	38	21.74	21.97	21.82
		1	74	21.63	21.89	21.67
		36	0	19.87	19.85	19.90
		36	18	19.93	19.94	19.95
		36	39	19.88	19.94	19.90
		75	0	19.94	19.96	19.92
	64QAM	1	0	20.20	20.95	20.50
		1	38	20.34	21.05	20.63
		1	74	20.24	20.99	20.48
		36	0	19.46	19.44	19.37
		36	18	19.52	19.52	19.43
		36	39	19.51	19.51	19.37
		75	0	19.44	19.47	19.44

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				40140CH	40640CH	41140CH
				2545MHz	2595MHz	2645MHz
41 / 20M	QPSK	1	0	22.33	22.42	22.39
		1	50	22.50	22.59	22.53
		1	99	22.31	22.43	22.33
		50	0	20.40	20.41	20.41
		50	25	20.49	20.53	20.49
		50	50	20.39	20.51	20.45
		100	0	20.39	20.44	20.42
	16QAM	1	0	21.60	21.53	21.76
		1	50	21.76	21.72	21.93
		1	99	21.59	21.56	21.73
		50	0	19.92	19.98	19.99
		50	25	20.00	20.07	20.07
		50	50	19.91	20.04	20.01
		100	0	19.90	19.99	19.95
	64QAM	1	0	20.88	20.50	20.76
		1	50	21.09	20.68	20.96
		1	99	20.89	20.54	20.76
		50	0	19.48	19.46	19.52
		50	25	19.55	19.56	19.61
		50	50	19.47	19.51	19.54
		100	0	19.45	19.49	19.51

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				131979CH	132322CH	132665CH
				1710.7MHz	1745MHz	1779.3MHz
66 / 1.4M	QPSK	1	0	22.36	22.30	22.42
		1	2	22.40	22.39	22.43
		1	5	22.37	22.35	22.39
		3	0	22.41	22.46	22.43
		3	1	22.44	22.50	22.45
		3	2	22.41	22.50	22.45
		6	0	21.58	21.60	21.63
	16QAM	1	0	21.45	21.59	21.79
		1	2	21.47	21.61	21.83
		1	5	21.45	21.55	21.80
		3	0	21.66	21.61	21.70
		3	1	21.70	21.60	21.71
		3	2	21.69	21.65	21.71
		6	0	20.76	20.77	20.51
	64QAM	1	0	20.72	21.03	20.69
		1	2	20.74	21.10	20.76
		1	5	20.73	20.98	20.67
		3	0	20.56	21.03	20.75
		3	1	20.58	21.04	20.75
		3	2	20.57	21.02	20.76
		6	0	19.67	19.65	19.95

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				131987CH	132322CH	132657CH
				1711.5MHz	1745MHz	1778.5MHz
66 / 3M	QPSK	1	0	22.18	22.33	22.28
		1	7	22.31	22.41	22.36
		1	14	22.22	22.31	22.29
		8	0	21.48	21.54	21.53
		8	4	21.54	21.57	21.60
		8	7	21.46	21.48	21.52
		15	0	21.44	21.48	21.47
	16QAM	1	0	21.29	21.77	21.42
		1	7	21.38	21.86	21.49
		1	14	21.26	21.74	21.36
		8	0	20.63	20.67	20.59
		8	4	20.69	20.74	20.66
		8	7	20.62	20.63	20.59
		15	0	20.50	20.56	20.50
	64QAM	1	0	20.72	20.61	20.68
		1	7	20.87	20.75	20.77
		1	14	20.77	20.66	20.64
		8	0	19.62	19.66	19.57
		8	4	19.66	19.70	19.59
		8	7	19.58	19.61	19.51
		15	0	19.49	19.60	19.56

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				131997CH	132322CH	132647CH
				1712.5MHz	1745MHz	1777.5MHz
66 / 5M	QPSK	1	0	22.54	22.62	22.63
		1	13	22.64	22.68	22.74
		1	24	22.57	22.62	22.63
		12	0	21.50	21.60	21.58
		12	6	21.61	21.65	21.62
		12	11	21.62	21.66	21.56
		25	0	21.59	21.62	21.59
	16QAM	1	0	21.76	22.15	21.70
		1	13	21.88	22.22	21.77
		1	24	21.81	22.13	21.74
		12	0	20.59	20.80	20.68
		12	6	20.67	20.81	20.70
		12	11	20.72	20.80	20.65
		25	0	20.62	20.70	20.55
	64QAM	1	0	20.56	20.99	20.84
		1	13	20.66	21.08	20.98
		1	24	20.63	20.99	20.91
		12	0	19.59	19.62	19.71
		12	6	19.70	19.69	19.73
		12	11	19.71	19.64	19.69
		25	0	19.58	19.63	19.63

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				132022CH	132322CH	132622CH
				1715MHz	1745MHz	1775MHz
66 / 10M	QPSK	1	0	22.53	22.69	22.63
		1	25	22.64	22.71	22.64
		1	49	22.63	22.69	22.60
		25	0	21.52	21.68	21.65
		25	13	21.70	21.70	21.69
		25	25	21.69	21.65	21.59
		50	0	21.62	21.69	21.58
	16QAM	1	0	21.59	22.08	21.66
		1	25	21.65	22.12	21.74
		1	49	21.62	22.08	21.69
		25	0	20.53	20.73	20.72
		25	13	20.69	20.80	20.74
		25	25	20.70	20.72	20.68
		50	0	20.63	20.74	20.65
	64QAM	1	0	20.97	20.88	20.86
		1	25	21.03	20.91	20.91
		1	49	20.99	20.93	20.90
		25	0	19.59	19.78	19.73
		25	13	19.73	19.85	19.75
		25	25	19.75	19.79	19.68
		50	0	19.69	19.79	19.66

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				132047CH	132322CH	132597CH
				1717.5MHz	1745MHz	1772.5MHz
66 / 15M	QPSK	1	0	22.47	22.61	22.58
		1	38	22.65	22.73	22.73
		1	74	22.55	22.64	22.63
		36	0	21.55	21.71	21.65
		36	18	21.69	21.70	21.71
		36	39	21.73	21.64	21.61
		75	0	21.65	21.66	21.65
	16QAM	1	0	21.53	22.03	22.09
		1	38	21.66	22.13	22.13
		1	74	21.53	22.06	22.07
		36	0	20.52	20.73	20.62
		36	18	20.62	20.73	20.67
		36	39	20.69	20.71	20.63
		75	0	20.64	20.72	20.64
	64QAM	1	0	20.87	20.81	21.25
		1	38	21.05	20.94	21.34
		1	74	20.91	20.83	21.25
		36	0	19.59	19.79	19.64
		36	18	19.69	19.82	19.71
		36	39	19.70	19.75	19.65
		75	0	19.69	19.75	19.70

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				132072CH	132322CH	132572CH
				1720MHz	1745MHz	1770MHz
66 / 20M	QPSK	1	0	22.46	22.47	22.47
		1	50	22.70	22.69	22.72
		1	99	22.51	22.53	22.53
		50	0	21.47	21.75	21.60
		50	25	21.64	21.77	21.70
		50	50	21.71	21.71	21.58
		100	0	21.59	21.70	21.59
	16QAM	1	0	22.00	21.99	21.98
		1	50	22.21	22.23	22.15
		1	99	22.04	22.07	21.98
		50	0	20.54	20.84	20.56
		50	25	20.68	20.82	20.69
		50	50	20.73	20.74	20.58
		100	0	20.65	20.76	20.60
	64QAM	1	0	20.83	20.91	21.20
		1	50	21.08	21.16	21.39
		1	99	20.90	20.98	21.22
		50	0	19.60	19.91	19.62
		50	25	19.75	19.92	19.77
		50	50	19.83	19.83	19.66
		100	0	19.64	19.81	19.60

EIRP For Main Antenna (dBm):

Modulation	Band	WCDMA Band IV		
	Tx Channel	1312CH	1413CH	1513CH
	Frequency	1712.4MHz	1732.6MHz	1752.6MHz
QPSK	RMC 12.2K	24.90	24.76	24.86
	RMC 64K	24.93	24.76	24.89
	RMC 144K	24.93	24.77	24.88
	RMC 384K	24.95	24.78	24.90
	HSDPA Subtest-1	24.47	24.38	24.53
	HSDPA Subtest-2	24.42	24.31	24.45
	HSDPA Subtest-3	23.96	23.85	23.96
	HSDPA Subtest-4	23.96	23.84	23.93
	HSUPA Subtest-1	22.24	22.41	22.53
	HSUPA Subtest-2	22.01	21.86	21.77
	HSUPA Subtest-3	23.01	22.90	23.03
	HSUPA Subtest-4	22.47	22.40	22.54
	HSUPA Subtest-5	23.52	23.38	23.53

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19957CH	20175CH	20393CH
				1710.7MHz	1732.5MHz	1754.3MHz
4 / 1.4M	QPSK	1	0	23.58	23.48	23.60
		1	2	23.63	23.56	23.62
		1	5	23.58	23.49	23.60
		3	0	23.65	23.62	23.64
		3	1	23.67	23.65	23.67
		3	2	23.65	23.66	23.66
		6	0	22.79	22.76	22.73
	16QAM	1	0	22.75	22.97	22.68
		1	2	22.79	23.00	22.69
		1	5	22.72	22.95	22.67
		3	0	22.77	22.90	22.88
		3	1	22.77	22.91	22.91
		3	2	22.79	22.91	22.90
		6	0	21.92	21.66	21.98
	64QAM	1	0	22.20	21.86	21.97
		1	2	22.28	21.95	22.01
		1	5	22.16	21.84	22.00
		3	0	22.18	21.96	21.82
		3	1	22.18	21.98	21.84
		3	2	22.16	21.98	21.87
		6	0	20.78	21.11	20.92

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19965CH	20175CH	20385CH
				1711.5MHz	1732.5MHz	1753.5MHz
4 / 3M	QPSK	1	0	23.38	23.51	23.45
		1	7	23.52	23.59	23.57
		1	14	23.41	23.44	23.46
		8	0	22.67	22.67	22.68
		8	4	22.76	22.77	22.72
		8	7	22.70	22.66	22.68
		15	0	22.68	22.65	22.65
	16QAM	1	0	22.50	22.89	22.60
		1	7	22.56	23.02	22.70
		1	14	22.48	22.89	22.49
		8	0	21.85	21.87	21.81
		8	4	21.88	21.88	21.86
		8	7	21.82	21.81	21.81
		15	0	21.74	21.70	21.72
	64QAM	1	0	21.96	21.75	21.93
		1	7	22.11	21.90	22.03
		1	14	21.96	21.79	21.86
		8	0	20.87	20.80	20.80
		8	4	20.89	20.85	20.84
		8	7	20.79	20.76	20.75
		15	0	20.74	20.77	20.79

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19975CH	20175CH	20375CH
				1712.5MHz	1732.5MHz	1752.5MHz
4 / 5M	QPSK	1	0	23.78	23.71	23.80
		1	13	23.88	23.80	23.90
		1	24	23.79	23.69	23.78
		12	0	22.70	22.75	22.74
		12	6	22.77	22.79	22.80
		12	11	22.81	22.79	22.78
		25	0	22.78	22.77	22.75
	16QAM	1	0	22.97	23.27	22.90
		1	13	23.11	23.38	22.97
		1	24	22.99	23.27	22.91
		12	0	21.83	21.94	21.87
		12	6	21.91	22.00	21.94
		12	11	21.95	21.95	21.91
		25	0	21.81	21.86	21.80
	64QAM	1	0	21.80	22.11	22.11
		1	13	21.90	22.25	22.19
		1	24	21.81	22.09	22.11
		12	0	20.83	20.78	20.91
		12	6	20.90	20.83	20.98
		12	11	20.90	20.79	20.95
		25	0	20.79	20.81	20.90

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20000CH	20175CH	20350CH
				1715MHz	1732.5MHz	1750MHz
4 / 10M	QPSK	1	0	23.71	23.81	23.79
		1	25	23.82	23.88	23.83
		1	49	23.81	23.82	23.79
		25	0	22.71	22.82	22.78
		25	13	22.88	22.88	22.86
		25	25	22.92	22.78	22.79
		50	0	22.81	22.77	22.79
	16QAM	1	0	22.81	23.23	22.91
		1	25	22.90	23.28	22.92
		1	49	22.81	23.23	22.87
		25	0	21.74	21.85	21.97
		25	13	21.90	21.93	22.02
		25	25	21.94	21.82	21.97
		50	0	21.80	21.84	21.93
	64QAM	1	0	22.17	22.01	22.14
		1	25	22.27	22.07	22.19
		1	49	22.23	22.04	22.09
		25	0	20.79	20.91	21.00
		25	13	20.94	20.97	21.03
		25	25	20.96	20.90	20.99
		50	0	20.87	20.91	20.94

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20025CH	20175CH	20325CH
				1717.5MHz	1732.5MHz	1747.5MHz
4 / 15M	QPSK	1	0	23.66	23.73	23.76
		1	38	23.81	23.86	23.90
		1	74	23.70	23.77	23.78
		36	0	22.74	22.79	22.82
		36	18	22.89	22.87	22.81
		36	39	22.90	22.79	22.79
		75	0	22.83	22.81	22.82
	16QAM	1	0	22.73	23.12	23.25
		1	38	22.87	23.28	23.40
		1	74	22.68	23.19	23.29
		36	0	21.72	21.85	21.84
		36	18	21.85	21.91	21.88
		36	39	21.85	21.84	21.84
		75	0	21.83	21.86	21.87
	64QAM	1	0	22.11	21.92	22.47
		1	38	22.22	22.07	22.63
		1	74	22.07	21.97	22.51
		36	0	20.80	20.87	20.88
		36	18	20.91	20.95	20.92
		36	39	20.91	20.91	20.89
		75	0	20.86	20.85	20.95

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20050CH	20175CH	20300CH
				1720MHz	1732.5MHz	1740MHz
4 / 20M	QPSK	1	0	23.63	23.63	23.57
		1	50	23.90	23.85	23.84
		1	99	23.73	23.70	23.68
		50	0	22.65	22.75	22.90
		50	25	22.86	22.87	22.89
		50	50	22.90	22.76	22.82
		100	0	22.80	22.76	22.87
	16QAM	1	0	23.20	23.15	23.11
		1	50	23.44	23.34	23.38
		1	99	23.26	23.26	23.17
		50	0	21.73	21.82	21.92
		50	25	21.92	21.94	21.94
		50	50	21.97	21.86	21.88
		100	0	21.86	21.81	21.97
	64QAM	1	0	22.06	22.32	21.96
		1	50	22.31	22.60	22.24
		1	99	22.14	22.45	22.03
		50	0	20.78	20.85	21.02
		50	25	20.98	21.00	21.04
		50	50	21.03	20.90	20.97
		100	0	20.88	20.83	20.98

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20775CH	21100CH	21425CH
				2502.5MHz	2535MHz	2567.5MHz
7 / 5M	QPSK	1	0	23.90	23.97	23.96
		1	13	24.06	24.12	24.11
		1	24	23.94	24.01	23.98
		12	0	22.90	22.95	22.95
		12	6	22.98	23.03	22.96
		12	11	22.95	22.99	22.91
		25	0	22.95	23.00	22.95
	16QAM	1	0	23.03	23.47	22.99
		1	13	23.19	23.58	23.14
		1	24	23.06	23.45	23.03
		12	0	21.99	22.15	22.04
		12	6	22.06	22.21	22.06
		12	11	22.05	22.17	22.00
		25	0	21.94	22.07	21.88
	64QAM	1	0	21.81	22.26	22.14
		1	2	21.99	22.40	22.30
		1	5	21.88	22.26	22.20
		3	0	20.96	20.93	21.08
		3	1	21.06	21.02	21.09
		3	2	21.04	20.99	21.05
		6	0	20.94	21.00	20.96

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20800CH	21100CH	21400CH
				2505MHz	2535MHz	2565MHz
7 / 10M	QPSK	1	0	23.94	24.05	23.94
		1	25	24.03	24.09	23.99
		1	49	24.00	24.07	23.98
		25	0	22.88	22.96	22.98
		25	13	23.01	23.04	23.01
		25	25	23.00	23.02	22.82
		50	0	22.96	22.97	22.92
	16QAM	1	0	22.86	23.35	22.96
		1	25	22.95	23.43	23.01
		1	49	22.90	23.37	23.00
		25	0	21.93	22.04	22.09
		25	13	22.04	22.09	22.08
		25	25	22.04	22.05	21.92
		50	0	21.95	22.04	22.00
	64QAM	1	0	22.29	22.15	22.17
		1	25	22.40	22.23	22.21
		1	49	22.30	22.18	22.19
		25	0	20.98	21.09	21.10
		25	13	21.09	21.15	21.12
		25	25	21.08	21.12	20.97
		50	0	21.03	21.10	21.01

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20825CH	21100CH	21375CH
				2507.5MHz	2535MHz	2562.5MHz
7 / 15M	QPSK	1	0	23.92	23.98	23.94
		1	38	24.00	24.13	24.04
		1	74	23.97	24.02	24.02
		36	0	22.94	22.99	22.99
		36	18	23.02	23.05	23.02
		36	39	22.97	23.03	22.88
		75	0	22.96	23.01	22.92
	16QAM	1	0	22.75	23.29	23.31
		1	38	22.91	23.45	23.41
		1	74	22.87	23.33	23.31
		36	0	21.88	21.99	21.95
		36	18	21.96	22.09	21.96
		36	39	21.93	22.05	21.85
		75	0	21.94	22.05	21.93
	64QAM	1	0	22.22	22.07	22.54
		1	38	22.35	22.24	22.63
		1	74	22.29	22.09	22.52
		36	0	20.93	21.04	20.98
		36	18	21.03	21.11	21.01
		36	39	21.00	21.07	20.89
		75	0	20.97	21.02	20.97

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20850CH	21100CH	21350CH
				2510MHz	2535MHz	2560MHz
7 / 20M	QPSK	1	0	23.85	23.88	23.85
		1	50	24.06	24.06	24.03
		1	99	23.93	23.91	23.93
		50	0	22.86	22.92	22.95
		50	25	22.97	23.06	22.98
		50	50	22.93	23.01	22.77
		100	0	22.89	22.95	22.87
	16QAM	1	0	23.31	23.33	23.23
		1	50	23.53	23.52	23.42
		1	99	23.39	23.39	23.26
		50	0	21.90	21.98	21.97
		50	25	22.04	22.11	22.00
		50	50	21.98	22.04	21.78
		100	0	21.95	21.99	21.89
	64QAM	1	0	22.18	22.54	22.07
		1	50	22.37	22.73	22.27
		1	99	22.27	22.57	22.12
		50	0	20.98	21.01	21.06
		50	25	21.11	21.17	21.09
		50	50	21.07	21.07	20.86
		100	0	20.99	20.99	20.92

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				37775CH	38000CH	38225CH
				2572.5MHz	2595MHz	2617.5MHz
38 / 5M	QPSK	1	0	23.57	23.55	23.54
		1	13	23.63	23.62	23.63
		1	24	23.58	23.54	23.53
		12	0	22.55	22.55	22.55
		12	6	22.56	22.60	22.62
		12	11	22.56	22.58	22.59
		25	0	22.57	22.59	22.60
	16QAM	1	0	22.94	22.75	22.86
		1	13	23.02	22.88	22.98
		1	24	22.94	22.75	22.84
		12	0	21.67	21.60	21.59
		12	6	21.69	21.67	21.64
		12	11	21.67	21.65	21.60
		25	0	21.59	21.56	21.64
	64QAM	1	0	21.68	22.10	21.88
		1	13	21.73	22.18	21.98
		1	24	21.63	22.11	21.88
		12	0	20.58	20.68	20.55
		12	6	20.61	20.73	20.61
		12	11	20.59	20.72	20.56
		25	0	20.61	20.52	20.52

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				37800CH	38000CH	38200CH
				2575MHz	2595MHz	2615MHz
38 / 10M	QPSK	1	0	23.68	23.58	23.72
		1	25	23.66	23.62	23.76
		1	49	23.61	23.60	23.75
		25	0	22.64	22.61	22.60
		25	13	22.64	22.66	22.69
		25	25	22.60	22.62	22.64
		50	0	22.62	22.60	22.65
	16QAM	1	0	22.93	23.08	23.02
		1	25	22.95	23.08	23.09
		1	49	22.91	23.06	23.07
		25	0	21.63	21.61	21.63
		25	13	21.69	21.63	21.71
		25	25	21.64	21.63	21.67
		50	0	21.65	21.67	21.68
	64QAM	1	0	21.52	22.16	21.89
		1	25	21.53	22.19	21.93
		1	49	21.48	22.15	21.91
		25	0	20.66	20.57	20.56
		25	13	20.71	20.62	20.62
		25	25	20.67	20.60	20.59
		50	0	20.64	20.63	20.66

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				37825CH	38000CH	38175CH
				2577.5MHz	2595MHz	2612.5MHz
38 / 15M	QPSK	1	0	23.54	23.64	23.60
		1	38	23.65	23.75	23.71
		1	74	23.54	23.64	23.61
		36	0	22.61	22.61	22.56
		36	18	22.64	22.64	22.66
		36	39	22.61	22.61	22.67
		75	0	22.60	22.62	22.61
	16QAM	1	0	22.84	23.02	22.98
		1	38	22.96	23.12	23.09
		1	74	22.84	23.00	23.01
		36	0	21.58	21.55	21.51
		36	18	21.64	21.61	21.60
		36	39	21.59	21.58	21.60
		75	0	21.61	21.61	21.59
	64QAM	1	0	21.43	22.07	21.67
		1	38	21.56	22.20	21.79
		1	74	21.43	22.09	21.70
		36	0	20.62	20.64	20.50
		36	18	20.68	20.66	20.59
		36	39	20.64	20.62	20.60
		75	0	20.59	20.61	20.62

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				37850CH	38000CH	38150CH
				2580MHz	2595MHz	2610MHz
38 / 20M	QPSK	1	0	23.53	23.56	23.53
		1	50	23.68	23.76	23.69
		1	99	23.51	23.57	23.57
		50	0	22.58	22.58	22.55
		50	25	22.66	22.68	22.65
		50	50	22.60	22.59	22.65
		100	0	22.56	22.57	22.59
	16QAM	1	0	22.79	22.69	22.90
		1	50	22.97	22.86	23.07
		1	99	22.80	22.72	22.96
		50	0	21.59	21.57	21.64
		50	25	21.65	21.69	21.73
		50	50	21.61	21.63	21.71
		100	0	21.59	21.61	21.60
	64QAM	1	0	22.08	21.64	21.89
		1	50	22.25	21.82	22.08
		1	99	22.09	21.66	21.94
		50	0	20.65	20.61	20.62
		50	25	20.72	20.71	20.73
		50	50	20.67	20.65	20.70
		100	0	20.61	20.61	20.67

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				40065CH	40640CH	41215CH
				2537.5MHz	2595MHz	2652.5MHz
41 / 5M	QPSK	1	0	23.51	23.52	23.46
		1	13	23.64	23.62	23.56
		1	24	23.51	23.52	23.42
		12	0	21.52	21.55	21.51
		12	6	21.60	21.59	21.55
		12	11	21.58	21.56	21.52
		25	0	21.57	21.57	21.55
	16QAM	1	0	22.68	22.77	22.87
		1	13	22.80	22.92	22.97
		1	24	22.71	22.77	22.87
		12	0	21.07	21.04	21.13
		12	6	21.16	21.07	21.18
		12	11	21.13	21.05	21.14
		25	0	21.03	21.09	21.06
	64QAM	1	0	21.58	22.07	21.80
		1	13	21.71	22.16	21.92
		1	24	21.59	22.07	21.78
		12	0	20.55	20.66	20.49
		12	6	20.59	20.72	20.53
		12	11	20.60	20.68	20.51
		25	0	20.59	20.50	20.45

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				40090CH	40640CH	41190CH
				2540MHz	2595MHz	2650MHz
41 / 10M	QPSK	1	0	23.54	23.71	23.56
		1	25	23.55	23.73	23.58
		1	49	23.53	23.69	23.51
		25	0	21.57	21.61	21.55
		25	13	21.61	21.62	21.60
		25	25	21.57	21.61	21.55
		50	0	21.58	21.62	21.55
	16QAM	1	0	22.79	23.03	22.96
		1	25	22.82	23.05	22.97
		1	49	22.77	23.02	22.92
		25	0	21.05	21.08	21.07
		25	13	21.10	21.13	21.10
		25	25	21.06	21.10	21.07
		50	0	21.07	21.14	21.12
	64QAM	1	0	21.39	22.12	21.86
		1	25	21.41	22.16	21.87
		1	49	21.38	22.11	21.81
		25	0	20.59	20.54	20.49
		25	13	20.63	20.57	20.53
		25	25	20.62	20.56	20.49
		50	0	20.58	20.57	20.58

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				40115CH	40640CH	41165CH
				2542.5MHz	2595MHz	2647.5MHz
41 / 15M	QPSK	1	0	23.46	23.60	23.51
		1	38	23.55	23.72	23.60
		1	74	23.43	23.62	23.48
		36	0	21.54	21.50	21.49
		36	18	21.56	21.57	21.54
		36	39	21.51	21.56	21.51
		75	0	21.53	21.53	21.51
	16QAM	1	0	22.72	22.97	22.82
		1	38	22.84	23.07	22.92
		1	74	22.73	22.99	22.77
		36	0	20.97	20.95	21.00
		36	18	21.03	21.04	21.05
		36	39	20.98	21.04	21.00
		75	0	21.04	21.06	21.02
	64QAM	1	0	21.30	22.05	21.60
		1	38	21.44	22.15	21.73
		1	74	21.34	22.09	21.58
		36	0	20.56	20.54	20.47
		36	18	20.62	20.62	20.53
		36	39	20.61	20.61	20.47
		75	0	20.54	20.57	20.54

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				40140CH	40640CH	41140CH
				2545MHz	2595MHz	2645MHz
41 / 20M	QPSK	1	0	23.43	23.52	23.49
		1	50	23.60	23.69	23.63
		1	99	23.41	23.53	23.43
		50	0	21.50	21.51	21.51
		50	25	21.59	21.63	21.59
		50	50	21.49	21.61	21.55
		100	0	21.49	21.54	21.52
	16QAM	1	0	22.70	22.63	22.86
		1	50	22.86	22.82	23.03
		1	99	22.69	22.66	22.83
		50	0	21.02	21.08	21.09
		50	25	21.10	21.17	21.17
		50	50	21.01	21.14	21.11
		100	0	21.00	21.09	21.05
	64QAM	1	0	21.98	21.60	21.86
		1	50	22.19	21.78	22.06
		1	99	21.99	21.64	21.86
		50	0	20.58	20.56	20.62
		50	25	20.65	20.66	20.71
		50	50	20.57	20.61	20.64
		100	0	20.55	20.59	20.61

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				131979CH	132322CH	132665CH
				1710.7MHz	1745MHz	1779.3MHz
66 / 1.4M	QPSK	1	0	23.46	23.40	23.52
		1	2	23.50	23.49	23.53
		1	5	23.47	23.45	23.49
		3	0	23.51	23.56	23.53
		3	1	23.54	23.60	23.55
		3	2	23.51	23.60	23.55
		6	0	22.68	22.70	22.73
	16QAM	1	0	22.55	22.69	22.89
		1	2	22.57	22.71	22.93
		1	5	22.55	22.65	22.90
		3	0	22.76	22.71	22.80
		3	1	22.80	22.70	22.81
		3	2	22.79	22.75	22.81
		6	0	21.86	21.87	21.61
	64QAM	1	0	21.82	22.13	21.79
		1	2	21.84	22.20	21.86
		1	5	21.83	22.08	21.77
		3	0	21.66	22.13	21.85
		3	1	21.68	22.14	21.85
		3	2	21.67	22.12	21.86
		6	0	20.77	20.75	21.05

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				131987CH	132322CH	132657CH
				1711.5MHz	1745MHz	1778.5MHz
66 / 3M	QPSK	1	0	23.28	23.43	23.38
		1	7	23.41	23.51	23.46
		1	14	23.32	23.41	23.39
		8	0	22.58	22.64	22.63
		8	4	22.64	22.67	22.70
		8	7	22.56	22.58	22.62
		15	0	22.54	22.58	22.57
	16QAM	1	0	22.39	22.87	22.52
		1	7	22.48	22.96	22.59
		1	14	22.36	22.84	22.46
		8	0	21.73	21.77	21.69
		8	4	21.79	21.84	21.76
		8	7	21.72	21.73	21.69
		15	0	21.60	21.66	21.60
	64QAM	1	0	21.82	21.71	21.78
		1	7	21.97	21.85	21.87
		1	14	21.87	21.76	21.74
		8	0	20.72	20.76	20.67
		8	4	20.76	20.80	20.69
		8	7	20.68	20.71	20.61
		15	0	20.59	20.70	20.66

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				131997CH	132322CH	132647CH
				1712.5MHz	1745MHz	1777.5MHz
66 / 5M	QPSK	1	0	23.64	23.72	23.73
		1	13	23.74	23.78	23.84
		1	24	23.67	23.72	23.73
		12	0	22.60	22.70	22.68
		12	6	22.71	22.75	22.72
		12	11	22.72	22.76	22.66
		25	0	22.69	22.72	22.69
	16QAM	1	0	22.86	23.25	22.80
		1	13	22.98	23.32	22.87
		1	24	22.91	23.23	22.84
		12	0	21.69	21.90	21.78
		12	6	21.77	21.91	21.80
		12	11	21.82	21.90	21.75
		25	0	21.72	21.80	21.65
	64QAM	1	0	21.66	22.09	21.94
		1	13	21.76	22.18	22.08
		1	24	21.73	22.09	22.01
		12	0	20.69	20.72	20.81
		12	6	20.80	20.79	20.83
		12	11	20.81	20.74	20.79
		25	0	20.68	20.73	20.73

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				132022CH	132322CH	132622CH
				1715MHz	1745MHz	1775MHz
66 / 10M	QPSK	1	0	23.63	23.79	23.73
		1	25	23.74	23.81	23.74
		1	49	23.73	23.79	23.70
		25	0	22.62	22.78	22.75
		25	13	22.80	22.80	22.79
		25	25	22.79	22.75	22.69
		50	0	22.72	22.79	22.68
	16QAM	1	0	22.69	23.18	22.76
		1	25	22.75	23.22	22.84
		1	49	22.72	23.18	22.79
		25	0	21.63	21.83	21.82
		25	13	21.79	21.90	21.84
		25	25	21.80	21.82	21.78
		50	0	21.73	21.84	21.75
	64QAM	1	0	22.07	21.98	21.96
		1	25	22.13	22.01	22.01
		1	49	22.09	22.03	22.00
		25	0	20.69	20.88	20.83
		25	13	20.83	20.95	20.85
		25	25	20.85	20.89	20.78
		50	0	20.79	20.89	20.76

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				132047CH	132322CH	132597CH
				1717.5MHz	1745MHz	1772.5MHz
66 / 15M	QPSK	1	0	23.57	23.71	23.68
		1	38	23.75	23.83	23.83
		1	74	23.65	23.74	23.73
		36	0	22.65	22.81	22.75
		36	18	22.79	22.80	22.81
		36	39	22.83	22.74	22.71
		75	0	22.75	22.76	22.75
	16QAM	1	0	22.63	23.13	23.19
		1	38	22.76	23.23	23.23
		1	74	22.63	23.16	23.17
		36	0	21.62	21.83	21.72
		36	18	21.72	21.83	21.77
		36	39	21.79	21.81	21.73
		75	0	21.74	21.82	21.74
	64QAM	1	0	21.97	21.91	22.35
		1	38	22.15	22.04	22.44
		1	74	22.01	21.93	22.35
		36	0	20.69	20.89	20.74
		36	18	20.79	20.92	20.81
		36	39	20.80	20.85	20.75
		75	0	20.79	20.85	20.80

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				132072CH	132322CH	132572CH
				1720MHz	1745MHz	1770MHz
66 / 20M	QPSK	1	0	23.56	23.57	23.57
		1	50	23.80	23.79	23.82
		1	99	23.61	23.63	23.63
		50	0	22.57	22.85	22.70
		50	25	22.74	22.87	22.80
		50	50	22.81	22.81	22.68
		100	0	22.69	22.80	22.69
	16QAM	1	0	23.10	23.09	23.08
		1	50	23.31	23.33	23.25
		1	99	23.14	23.17	23.08
		50	0	21.64	21.94	21.66
		50	25	21.78	21.92	21.79
		50	50	21.83	21.84	21.68
		100	0	21.75	21.86	21.70
	64QAM	1	0	21.93	22.01	22.30
		1	50	22.18	22.26	22.49
		1	99	22.00	22.08	22.32
		50	0	20.70	21.01	20.72
		50	25	20.85	21.02	20.87
		50	50	20.93	20.93	20.76
		100	0	20.74	20.91	20.70

ERP For Main Antenna (dBm):

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23017CH	23095CH	23173CH
				699.7MHz	707.5MHz	715.3MHz
12 / 1.4M	QPSK	1	0	21.60	21.50	21.55
		1	2	21.67	21.60	21.60
		1	5	21.59	21.51	21.54
		3	0	21.71	21.65	21.66
		3	1	21.73	21.67	21.69
		3	2	21.70	21.70	21.68
		6	0	20.84	20.78	20.77
	16QAM	1	0	20.77	20.79	21.08
		1	2	20.80	20.85	21.10
		1	5	20.74	20.79	21.06
		3	0	21.02	20.83	21.02
		3	1	21.06	20.83	21.00
		3	2	21.01	20.84	21.00
		6	0	20.05	19.98	19.74
	64QAM	1	0	20.06	20.24	19.95
		1	2	20.07	20.32	20.05
		1	5	20.07	20.19	19.93
		3	0	19.88	20.23	20.03
		3	1	19.92	20.25	20.05
		3	2	19.87	20.24	20.05
		6	0	18.96	18.86	19.16

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23025CH	23095CH	23165CH
				700.5MHz	707.5MHz	714.5MHz
12 / 3M	QPSK	1	0	21.36	21.46	21.41
		1	7	21.49	21.58	21.52
		1	14	21.36	21.45	21.39
		8	0	20.73	20.68	20.69
		8	4	20.74	20.76	20.75
		8	7	20.67	20.62	20.68
		15	0	20.70	20.63	20.68
	16QAM	1	0	20.49	20.92	20.64
		1	7	20.61	21.07	20.73
		1	14	20.48	20.85	20.59
		8	0	19.90	19.85	19.82
		8	4	19.93	19.89	19.87
		8	7	19.83	19.79	19.78
		15	0	19.75	19.74	19.72
	64QAM	1	0	19.99	19.77	19.93
		1	7	20.11	19.94	20.02
		1	14	19.98	19.83	19.89
		8	0	18.86	18.80	18.77
		8	4	18.89	18.88	18.83
		8	7	18.75	18.78	18.72
		15	0	18.69	18.76	18.79

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23035CH	23095CH	23155CH
				701.5MHz	707.5MHz	713.5MHz
12 / 5M	QPSK	1	0	21.78	21.68	21.73
		1	13	21.89	21.78	21.87
		1	24	21.74	21.72	21.78
		12	0	20.77	20.70	20.80
		12	6	20.85	20.80	20.78
		12	11	20.85	20.75	20.82
		25	0	20.88	20.75	20.86
	16QAM	1	0	20.96	21.32	20.93
		1	13	21.10	21.44	21.08
		1	24	21.00	21.31	20.97
		12	0	19.90	19.91	19.91
		12	6	19.97	19.99	19.94
		12	11	19.97	19.95	19.92
		25	0	19.87	19.87	19.87
	64QAM	1	0	19.79	20.12	20.07
		1	13	19.89	20.27	20.23
		1	24	19.80	20.17	20.16
		12	0	18.85	18.74	18.95
		12	6	18.93	18.84	18.99
		12	11	18.90	18.77	18.98
		25	0	18.84	18.75	18.92

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23060CH	23095CH	23130CH
				704MHz	707.5MHz	711MHz
12 / 10M	QPSK	1	0	21.73	21.80	21.72
		1	25	21.78	21.83	21.76
		1	49	21.74	21.80	21.73
		25	0	20.82	20.68	20.87
		25	13	20.89	20.84	20.88
		25	25	20.93	20.71	20.81
		50	0	20.90	20.70	20.86
	16QAM	1	0	20.84	21.27	20.90
		1	25	20.86	21.24	20.93
		1	49	20.80	21.24	20.92
		25	0	19.86	19.76	19.97
		25	13	19.95	19.90	19.99
		25	25	19.98	19.76	19.96
		50	0	19.95	19.80	19.96
	64QAM	1	0	20.22	20.03	20.22
		1	25	20.26	20.05	20.26
		1	49	20.19	20.06	20.28
		25	0	18.89	18.80	18.99
		25	13	18.94	18.97	19.01
		25	25	19.00	18.85	18.94
		50	0	18.95	18.84	18.94

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23755CH	23790CH	23825CH
				706.5MHz	710MHz	713.5MHz
17 / 5M	QPSK	1	0	21.72	21.71	21.74
		1	13	21.82	21.83	21.84
		1	24	21.72	21.75	21.72
		12	0	20.74	20.77	20.77
		12	6	20.79	20.80	20.82
		12	11	20.86	20.76	20.82
		25	0	20.84	20.81	20.84
	16QAM	1	0	20.99	20.92	21.30
		1	13	21.09	21.07	21.42
		1	24	20.96	21.00	21.30
		12	0	19.85	19.91	19.99
		12	6	19.88	19.94	20.01
		12	11	19.93	19.87	20.00
		25	0	19.83	19.83	19.95
	64QAM	1	0	20.10	19.78	20.15
		1	13	20.21	19.91	20.29
		1	24	20.09	19.83	20.15
		12	0	18.90	18.91	18.82
		12	6	18.94	18.93	18.85
		12	11	18.98	18.87	18.83
		25	0	18.87	18.83	18.84

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23780CH	23790CH	23800CH
				709MHz	710MHz	711MHz
17 / 10M	QPSK	1	0	21.73	21.77	21.72
		1	25	21.79	21.82	21.76
		1	49	21.72	21.79	21.74
		25	0	20.76	20.79	20.86
		25	13	20.86	20.86	20.87
		25	25	20.75	20.77	20.84
		50	0	20.76	20.80	20.85
	16QAM	1	0	20.85	21.22	20.91
		1	25	20.86	21.25	20.95
		1	49	20.82	21.26	20.90
		25	0	19.78	19.84	19.96
		25	13	19.87	19.94	19.99
		25	25	19.79	19.82	19.95
		50	0	19.78	19.82	19.93
	64QAM	1	0	20.20	20.00	20.11
		1	25	20.25	20.05	20.14
		1	49	20.16	20.06	20.12
		25	0	18.81	18.88	18.98
		25	13	18.90	18.97	19.00
		25	25	18.79	18.90	18.95
		50	0	18.79	18.87	18.91

Output Power For Second Antenna (dBm):

Modulation	Band	WCDMA Band IV		
	Tx Channel	1312CH	1413CH	1513CH
	Frequency	1712.4MHz	1732.6MHz	1752.6MHz
QPSK	RMC 12.2K	23.45	23.31	23.39
	RMC 64K	23.47	23.34	23.43
	RMC 144K	23.28	23.14	23.22
	RMC 384K	23.33	23.19	23.26
	HSDPA Subtest-1	23.01	22.92	23.07
	HSDPA Subtest-2	22.97	22.89	23.01
	HSDPA Subtest-3	22.5	22.41	22.52
	HSDPA Subtest-4	22.5	22.41	22.5
	HSUPA Subtest-1	21.06	20.97	21.1
	HSUPA Subtest-2	21.06	20.45	20.59
	HSUPA Subtest-3	21.56	21.49	20.59
	HSUPA Subtest-4	21.02	20.92	20.05
	HSUPA Subtest-5	22.05	21.96	22.11

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19957CH	20175CH	20393CH
				1710.7MHz	1732.5MHz	1754.3MHz
4 / 1.4M	QPSK	1	0	22.66	22.65	22.56
		1	2	22.71	22.68	22.61
		1	5	22.64	22.63	22.55
		3	0	22.71	22.70	22.68
		3	1	22.72	22.74	22.72
		3	2	22.73	22.69	22.73
		6	0	21.88	21.81	21.76
	16QAM	1	0	22.07	21.67	21.73
		1	2	22.12	21.70	21.80
		1	5	22.06	21.70	21.74
		3	0	22.00	21.91	21.77
		3	1	22.00	21.95	21.77
		3	2	21.99	21.92	21.80
		6	0	20.79	21.00	20.95
	64QAM	1	0	21.01	21.21	20.94
		1	2	21.05	21.30	21.01
		1	5	21.05	21.22	20.91
		3	0	20.88	21.24	21.02
		3	1	20.87	21.23	21.02
		3	2	20.88	21.24	21.06
		6	0	19.97	19.85	20.16

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19965CH	20175CH	20385CH
				1711.5MHz	1732.5MHz	1753.5MHz
4 / 3M	QPSK	1	0	22.49	22.52	22.50
		1	7	22.60	22.65	22.58
		1	14	22.52	22.52	22.47
		8	0	21.78	21.80	21.69
		8	4	21.84	21.83	21.75
		8	7	21.76	21.72	21.69
		15	0	21.75	21.69	21.65
	16QAM	1	0	21.56	21.96	21.58
		1	7	21.63	22.05	21.69
		1	14	21.52	21.97	21.51
		8	0	20.92	20.90	20.81
		8	4	20.99	20.95	20.87
		8	7	20.86	20.82	20.80
		15	0	20.80	20.77	20.70
	64QAM	1	0	21.02	20.86	20.93
		1	7	21.13	20.95	21.02
		1	14	21.04	20.81	20.86
		8	0	19.94	19.87	19.80
		8	4	19.97	19.94	19.84
		8	7	19.84	19.83	19.75
		15	0	19.78	19.81	19.80

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19975CH	20175CH	20375CH
				1712.5MHz	1732.5MHz	1752.5MHz
4 / 5M	QPSK	1	0	22.88	22.77	22.80
		1	13	23.01	22.87	22.92
		1	24	22.86	22.75	22.79
		12	0	21.78	21.79	21.76
		12	6	21.87	21.85	21.81
		12	11	21.89	21.84	21.79
		25	0	21.88	21.85	21.80
	16QAM	1	0	22.01	22.32	21.91
		1	13	22.17	22.46	22.00
		1	24	22.06	22.29	21.91
		12	0	20.89	20.98	20.89
		12	6	20.98	21.02	20.95
		12	11	21.02	21.02	20.90
		25	0	20.89	20.93	20.79
	64QAM	1	0	20.83	21.19	21.12
		1	13	20.97	21.30	21.20
		1	24	20.86	21.15	21.06
		12	0	19.87	19.84	19.93
		12	6	19.94	19.87	19.98
		12	11	20.01	19.85	19.95
		25	0	19.86	19.87	19.89

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20000CH	20175CH	20350CH
				1715MHz	1732.5MHz	1750MHz
4 / 10M	QPSK	1	0	22.81	22.87	22.79
		1	25	22.92	22.90	22.84
		1	49	22.89	22.84	22.78
		25	0	21.79	21.86	21.80
		25	13	21.95	21.94	21.87
		25	25	21.99	21.81	21.79
		50	0	21.87	21.84	21.83
	16QAM	1	0	21.89	22.26	21.92
		1	25	21.94	22.32	21.94
		1	49	21.90	22.27	21.88
		25	0	20.79	20.92	20.97
		25	13	20.94	20.97	21.01
		25	25	20.99	20.87	20.96
		50	0	20.86	20.91	20.90
	64QAM	1	0	21.26	21.06	21.13
		1	25	21.32	21.12	21.17
		1	49	21.27	21.07	21.08
		25	0	19.85	19.97	19.97
		25	13	20.00	20.02	20.05
		25	25	20.08	19.98	19.98
		50	0	19.95	19.97	19.95

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20025CH	20175CH	20325CH
				1717.5MHz	1732.5MHz	1747.5MHz
4 / 15M	QPSK	1	0	22.77	22.78	22.77
		1	38	22.90	22.91	22.93
		1	74	22.73	22.75	22.78
		36	0	21.82	21.87	21.82
		36	18	21.95	21.90	21.85
		36	39	21.93	21.84	21.79
		75	0	21.87	21.87	21.81
	16QAM	1	0	21.80	22.19	22.29
		1	38	21.92	22.30	22.43
		1	74	21.75	22.26	22.30
		36	0	20.78	20.88	20.84
		36	18	20.94	20.97	20.91
		36	39	20.92	20.89	20.84
		75	0	20.88	20.90	20.90
	64QAM	1	0	21.18	20.96	21.48
		1	38	21.29	21.12	21.63
		1	74	21.15	21.01	21.48
		36	0	19.86	19.95	19.90
		36	18	19.95	19.99	19.94
		36	39	19.96	19.95	19.88
		75	0	19.90	19.94	19.97

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20050CH	20175CH	20300CH
				1720MHz	1732.5MHz	1740MHz
4 / 20M	QPSK	1	0	22.72	22.65	22.63
		1	50	22.95	22.88	22.85
		1	99	22.76	22.72	22.70
		50	0	21.73	21.84	21.92
		50	25	21.91	21.91	21.93
		50	50	21.90	21.83	21.85
		100	0	21.81	21.82	21.90
	16QAM	1	0	22.27	22.19	22.15
		1	50	22.51	22.39	22.39
		1	99	22.32	22.30	22.17
		50	0	20.78	20.89	20.97
		50	25	20.97	21.02	20.97
		50	50	21.01	20.91	20.93
		100	0	20.91	20.88	20.95
	64QAM	1	0	21.11	21.36	21.13
		1	50	21.34	21.63	21.40
		1	99	21.16	21.50	21.17
		50	0	19.83	19.93	20.08
		50	25	20.02	20.02	20.10
		50	50	20.04	19.91	20.07
		100	0	19.92	19.88	20.04

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20775CH	21100CH	21425CH
				2502.5MHz	2535MHz	2567.5MHz
7 / 5M	QPSK	1	0	22.87	22.90	22.75
		1	13	23.01	23.06	22.87
		1	24	22.88	22.92	22.77
		12	0	21.80	21.84	21.84
		12	6	21.90	21.90	21.83
		12	11	21.90	21.87	21.76
		25	0	21.85	21.87	21.76
	16QAM	1	0	21.90	21.99	22.20
		1	13	22.06	22.12	22.36
		1	24	21.96	22.00	22.22
		12	0	20.86	20.93	20.95
		12	6	20.93	21.02	20.96
		12	11	20.93	21.00	20.88
		25	0	20.83	20.91	20.83
	64QAM	1	0	21.16	21.09	20.71
		1	2	21.32	21.26	20.85
		1	5	21.15	21.17	20.77
		3	0	19.83	19.92	19.91
		3	1	19.88	20.06	19.91
		3	2	19.89	20.02	19.85
		6	0	19.87	19.92	19.81

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20800CH	21100CH	21400CH
				2505MHz	2535MHz	2565MHz
7 / 10M	QPSK	1	0	22.86	22.93	22.83
		1	25	22.95	23.01	22.85
		1	49	22.92	22.98	22.84
		25	0	21.85	21.89	21.89
		25	13	21.92	21.94	21.87
		25	25	21.90	21.87	21.70
		50	0	21.88	21.86	21.79
	16QAM	1	0	21.74	22.24	21.85
		1	25	21.83	22.32	21.85
		1	49	21.82	22.23	21.81
		25	0	20.85	20.95	20.97
		25	13	20.93	20.98	20.92
		25	25	20.92	20.95	20.75
		50	0	20.87	20.93	20.84
	64QAM	1	0	21.22	21.07	21.04
		1	25	21.30	21.13	21.04
		1	49	21.22	21.12	21.00
		25	0	19.91	20.03	19.98
		25	13	20.01	20.07	19.95
		25	25	20.02	20.05	19.79
		50	0	19.95	19.98	19.85

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20825CH	21100CH	21375CH
				2507.5MHz	2535MHz	2562.5MHz
7 / 15M	QPSK	1	0	22.81	22.90	22.83
		1	38	22.92	23.01	22.90
		1	74	22.89	22.94	22.85
		36	0	21.84	21.89	21.85
		36	18	21.95	21.97	21.86
		36	39	21.93	21.93	21.72
		75	0	21.90	21.90	21.77
	16QAM	1	0	21.69	22.19	22.18
		1	38	21.82	22.32	22.28
		1	74	21.77	22.22	22.16
		36	0	20.78	20.94	20.81
		36	18	20.85	20.99	20.81
		36	39	20.87	20.94	20.67
		75	0	20.86	20.95	20.80
	64QAM	1	0	21.16	20.95	21.39
		1	38	21.23	21.11	21.46
		1	74	21.20	20.99	21.32
		36	0	19.83	19.93	19.82
		36	18	19.93	20.00	19.84
		36	39	19.96	19.95	19.71
		75	0	19.88	19.93	19.81

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20850CH	21100CH	21350CH
				2510MHz	2535MHz	2560MHz
7 / 20M	QPSK	1	0	22.75	22.77	22.72
		1	50	22.97	22.96	22.88
		1	99	22.86	22.81	22.77
		50	0	21.80	21.83	21.82
		50	25	21.90	21.94	21.87
		50	50	21.86	21.87	21.59
		100	0	21.81	21.87	21.71
	16QAM	1	0	22.22	22.24	22.24
		1	50	22.45	22.42	22.40
		1	99	22.33	22.24	22.22
		50	0	20.83	20.87	20.86
		50	25	20.94	21.02	20.89
		50	50	20.89	20.95	20.67
		100	0	20.81	20.89	20.76
	64QAM	1	0	20.94	21.12	21.38
		1	50	21.13	21.32	21.52
		1	99	21.00	21.14	21.35
		50	0	19.85	19.95	19.90
		50	25	19.94	20.06	19.95
		50	50	19.92	20.01	19.69
		100	0	19.85	19.92	19.75

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23017CH	23095CH	23173CH
				699.7MHz	707.5MHz	715.3MHz
12 / 1.4M	QPSK	1	0	22.99	23.00	23.00
		1	2	23.08	23.03	23.06
		1	5	23.01	22.97	22.98
		3	0	23.14	23.09	23.10
		3	1	23.16	23.10	23.10
		3	2	23.19	23.09	23.11
		6	0	22.27	22.20	22.23
	16QAM	1	0	22.21	22.25	22.44
		1	2	22.24	22.32	22.51
		1	5	22.20	22.22	22.44
		3	0	22.47	22.27	22.41
		3	1	22.49	22.28	22.41
		3	2	22.45	22.29	22.42
		6	0	21.52	21.40	21.17
	64QAM	1	0	21.43	21.46	21.59
		1	2	21.52	21.47	21.75
		1	5	21.36	21.47	21.64
		3	0	21.51	21.27	21.68
		3	1	21.53	21.29	21.68
		3	2	21.52	21.30	21.68
		6	0	20.65	20.39	20.27

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23025CH	23095CH	23165CH
				700.5MHz	707.5MHz	714.5MHz
12 / 3M	QPSK	1	0	22.82	22.89	22.80
		1	7	22.93	23.03	22.95
		1	14	22.85	22.91	22.82
		8	0	22.15	22.14	22.15
		8	4	22.16	22.18	22.18
		8	7	22.10	22.06	22.08
		15	0	22.13	22.12	22.09
	16QAM	1	0	21.98	22.38	22.03
		1	7	22.05	22.47	22.15
		1	14	21.89	22.38	21.99
		8	0	21.34	21.30	21.22
		8	4	21.36	21.33	21.26
		8	7	21.28	21.24	21.18
		15	0	21.22	21.14	21.12
	64QAM	1	0	21.46	21.23	21.30
		1	7	21.55	21.34	21.41
		1	14	21.40	21.22	21.27
		8	0	20.31	20.20	20.18
		8	4	20.33	20.29	20.22
		8	7	20.21	20.17	20.11
		15	0	20.15	20.16	20.16

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23035CH	23095CH	23155CH
				701.5MHz	707.5MHz	713.5MHz
12 / 5M	QPSK	1	0	23.20	23.13	23.15
		1	13	23.32	23.24	23.29
		1	24	23.20	23.17	23.14
		12	0	22.15	22.13	22.22
		12	6	22.27	22.23	22.20
		12	11	22.27	22.21	22.18
		25	0	22.29	22.21	22.22
	16QAM	1	0	22.43	22.75	22.32
		1	13	22.57	22.88	22.45
		1	24	22.40	22.76	22.37
		12	0	21.33	21.35	21.29
		12	6	21.41	21.41	21.33
		12	11	21.38	21.35	21.30
		25	0	21.34	21.30	21.21
	64QAM	1	0	21.26	21.54	21.47
		1	13	21.34	21.70	21.61
		1	24	21.25	21.57	21.52
		12	0	20.26	20.16	20.37
		12	6	20.35	20.22	20.38
		12	11	20.36	20.20	20.32
		25	0	20.27	20.19	20.28

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23060CH	23095CH	23130CH
				704MHz	707.5MHz	711MHz
12 / 10M	QPSK	1	0	23.19	23.24	23.17
		1	25	23.21	23.28	23.18
		1	49	23.15	23.22	23.14
		25	0	22.24	22.22	22.24
		25	13	22.32	22.29	22.29
		25	25	22.33	22.22	22.18
		50	0	22.31	22.20	22.23
	16QAM	1	0	22.28	22.68	22.29
		1	25	22.30	22.72	22.29
		1	49	22.25	22.65	22.26
		25	0	21.28	21.26	21.31
		25	13	21.36	21.36	21.38
		25	25	21.35	21.25	21.29
		50	0	21.33	21.31	21.32
	64QAM	1	0	21.66	21.46	21.48
		1	25	21.66	21.49	21.50
		1	49	21.63	21.46	21.50
		25	0	20.33	20.29	20.35
		25	13	20.34	20.38	20.39
		25	25	20.37	20.31	20.33
		50	0	20.36	20.29	20.27

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23755CH	23790CH	23825CH
				706.5MHz	710MHz	713.5MHz
17 / 5M	QPSK	1	0	23.22	23.19	23.14
		1	13	23.33	23.27	23.18
		1	24	23.15	23.14	23.11
		12	0	22.22	22.19	22.19
		12	6	22.23	22.20	22.20
		12	11	22.28	22.21	22.19
		25	0	22.31	22.23	22.21
	16QAM	1	0	22.42	22.40	22.73
		1	13	22.54	22.52	22.82
		1	24	22.42	22.42	22.71
		12	0	21.33	21.35	21.38
		12	6	21.35	21.38	21.40
		12	11	21.34	21.35	21.37
		25	0	21.30	21.26	21.33
	64QAM	1	0	21.62	21.51	21.20
		1	13	21.76	21.60	21.32
		1	24	21.59	21.55	21.22
		12	0	20.21	20.32	20.35
		12	6	20.22	20.36	20.34
		12	11	20.29	20.36	20.30
		25	0	20.28	20.29	20.27

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23780CH	23790CH	23800CH
				709MHz	710MHz	711MHz
17 / 10M	QPSK	1	0	23.16	23.23	23.19
		1	25	23.21	23.25	23.20
		1	49	23.14	23.23	23.14
		25	0	22.19	22.23	22.24
		25	13	22.28	22.27	22.29
		25	25	22.21	22.21	22.20
		50	0	22.22	22.21	22.23
	16QAM	1	0	22.27	22.69	22.33
		1	25	22.30	22.70	22.30
		1	49	22.24	22.69	22.26
		25	0	21.25	21.28	21.27
		25	13	21.36	21.37	21.39
		25	25	21.25	21.26	21.31
		50	0	21.25	21.27	21.32
	64QAM	1	0	21.64	21.45	21.55
		1	25	21.70	21.48	21.56
		1	49	21.63	21.45	21.51
		25	0	20.28	20.31	20.34
		25	13	20.36	20.39	20.42
		25	25	20.31	20.35	20.32
		50	0	20.28	20.29	20.28

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				37775CH	38000CH	38225CH
				2572.5MHz	2595MHz	2617.5MHz
38 / 5M	QPSK	1	0	22.39	22.29	22.32
		1	13	22.42	22.38	22.39
		1	24	22.35	22.27	22.30
		12	0	21.39	21.29	21.30
		12	6	21.39	21.36	21.34
		12	11	21.36	21.32	21.30
		25	0	21.39	21.34	21.32
	16QAM	1	0	21.79	21.54	21.57
		1	13	21.82	21.65	21.68
		1	24	21.75	21.56	21.55
		12	0	20.48	20.38	20.28
		12	6	20.51	20.43	20.33
		12	11	20.49	20.41	20.33
		25	0	20.41	20.35	20.31
	64QAM	1	0	20.50	20.87	20.60
		1	13	20.55	20.97	20.70
		1	24	20.47	20.85	20.56
		12	0	19.40	19.45	19.26
		12	6	19.42	19.49	19.31
		12	11	19.38	19.46	19.27
		25	0	19.42	19.30	19.21

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				37800CH	38000CH	38200CH
				2575MHz	2595MHz	2615MHz
38 / 10M	QPSK	1	0	22.46	22.52	22.36
		1	25	22.43	22.52	22.40
		1	49	22.41	22.47	22.36
		25	0	21.46	21.40	21.35
		25	13	21.48	21.42	21.41
		25	25	21.42	21.38	21.36
		50	0	21.41	21.39	21.35
	16QAM	1	0	21.74	21.89	21.77
		1	25	21.75	21.89	21.82
		1	49	21.70	21.84	21.78
		25	0	20.46	20.39	20.35
		25	13	20.48	20.42	20.41
		25	25	20.43	20.38	20.39
		50	0	20.46	20.43	20.42
	64QAM	1	0	20.35	20.95	20.60
		1	25	20.33	20.96	20.65
		1	49	20.28	20.90	20.61
		25	0	19.48	19.34	19.24
		25	13	19.50	19.38	19.31
		25	25	19.47	19.34	19.29
		50	0	19.45	19.37	19.35

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				37825CH	38000CH	38175CH
				2577.5MHz	2595MHz	2612.5MHz
38 / 15M	QPSK	1	0	22.35	22.43	22.34
		1	38	22.45	22.54	22.43
		1	74	22.33	22.40	22.32
		36	0	21.42	21.38	21.30
		36	18	21.42	21.46	21.36
		36	39	21.39	21.37	21.37
		75	0	21.41	21.40	21.35
	16QAM	1	0	21.67	21.82	21.66
		1	38	21.78	21.89	21.72
		1	74	21.64	21.77	21.62
		36	0	20.41	20.33	20.30
		36	18	20.41	20.36	20.36
		36	39	20.37	20.35	20.35
		75	0	20.42	20.40	20.33
	64QAM	1	0	20.25	20.87	20.42
		1	38	20.34	20.95	20.51
		1	74	20.24	20.83	20.40
		36	0	19.45	19.40	19.22
		36	18	19.49	19.42	19.29
		36	39	19.42	19.37	19.26
		75	0	19.38	19.37	19.31

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				37850CH	38000CH	38150CH
				2580MHz	2595MHz	2610MHz
38 / 20M	QPSK	1	0	22.36	22.37	22.29
		1	50	22.48	22.49	22.42
		1	99	22.29	22.34	22.27
		50	0	21.39	21.33	21.28
		50	25	21.44	21.41	21.38
		50	50	21.38	21.32	21.36
		100	0	21.37	21.36	21.34
	16QAM	1	0	21.65	21.47	21.40
		1	50	21.78	21.65	21.58
		1	99	21.62	21.47	21.39
		50	0	20.41	20.37	20.31
		50	25	20.47	20.45	20.39
		50	50	20.40	20.39	20.36
		100	0	20.40	20.39	20.32
	64QAM	1	0	20.75	20.85	20.36
		1	50	20.88	21.02	20.52
		1	99	20.71	20.81	20.37
		50	0	19.47	19.37	19.32
		50	25	19.51	19.46	19.42
		50	50	19.45	19.37	19.37
		100	0	19.44	19.37	19.34

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				40065CH	40640CH	41215CH
				2537.5MHz	2595MHz	2652.5MHz
41 / 5M	QPSK	1	0	22.35	22.24	22.08
		1	13	22.47	22.34	22.18
		1	24	22.36	22.25	22.06
		12	0	20.39	20.28	20.10
		12	6	20.45	20.32	20.16
		12	11	20.44	20.31	20.14
		25	0	20.42	20.29	20.15
	16QAM	1	0	21.54	21.56	21.52
		1	13	21.67	21.67	21.63
		1	24	21.57	21.54	21.55
		12	0	19.93	19.80	19.79
		12	6	20.00	19.84	19.84
		12	11	19.99	19.82	19.82
		25	0	19.91	19.84	19.70
	64QAM	1	0	20.45	20.85	20.47
		1	13	20.56	20.93	20.57
		1	24	20.42	20.83	20.45
		12	0	19.41	19.42	19.16
		12	6	19.48	19.48	19.18
		12	11	19.45	19.44	19.16
		25	0	19.45	19.28	19.10

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				40090CH	40640CH	41190CH
				2540MHz	2595MHz	2650MHz
41 / 10M	QPSK	1	0	22.37	22.43	22.17
		1	25	22.40	22.43	22.17
		1	49	22.37	22.42	22.13
		25	0	20.41	20.35	20.17
		25	13	20.44	20.36	20.24
		25	25	20.41	20.34	20.18
		50	0	20.42	20.33	20.19
	16QAM	1	0	21.63	21.81	21.60
		1	25	21.68	21.80	21.63
		1	49	21.67	21.75	21.58
		25	0	19.91	19.83	19.69
		25	13	19.97	19.85	19.75
		25	25	19.93	19.84	19.73
		50	0	19.96	19.90	19.74
	64QAM	1	0	20.27	20.92	20.49
		1	25	20.31	20.93	20.48
		1	49	20.25	20.88	20.43
		25	0	19.46	19.32	19.13
		25	13	19.53	19.34	19.19
		25	25	19.50	19.31	19.15
		50	0	19.46	19.35	19.22

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				40115CH	40640CH	41165CH
				2542.5MHz	2595MHz	2647.5MHz
41 / 15M	QPSK	1	0	22.31	22.37	22.16
		1	38	22.41	22.46	22.24
		1	74	22.28	22.37	22.10
		36	0	20.37	20.26	20.11
		36	18	20.44	20.31	20.16
		36	39	20.36	20.32	20.12
		75	0	20.37	20.29	20.14
	16QAM	1	0	21.59	21.73	21.46
		1	38	21.68	21.81	21.57
		1	74	21.56	21.72	21.43
		36	0	19.85	19.74	19.67
		36	18	19.89	19.79	19.71
		36	39	19.84	19.76	19.67
		75	0	19.89	19.81	19.68
	64QAM	1	0	20.19	20.82	20.28
		1	38	20.30	20.92	20.37
		1	74	20.16	20.83	20.24
		36	0	19.44	19.33	19.10
		36	18	19.50	19.40	19.16
		36	39	19.46	19.38	19.12
		75	0	19.40	19.33	19.21

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				40140CH	40640CH	41140CH
				2545MHz	2595MHz	2645MHz
41 / 20M	QPSK	1	0	22.27	22.28	22.14
		1	50	22.45	22.44	22.28
		1	99	22.22	22.25	22.07
		50	0	20.35	20.27	20.14
		50	25	20.43	20.37	20.24
		50	50	20.35	20.29	20.21
		100	0	20.36	20.29	20.18
	16QAM	1	0	21.57	21.39	21.52
		1	50	21.72	21.58	21.71
		1	99	21.55	21.39	21.50
		50	0	19.88	19.82	19.73
		50	25	19.93	19.91	19.83
		50	50	19.87	19.87	19.82
		100	0	19.88	19.83	19.73
	64QAM	1	0	20.85	20.40	20.54
		1	50	21.05	20.55	20.70
		1	99	20.87	20.34	20.47
		50	0	19.44	19.36	19.24
		50	25	19.53	19.43	19.34
		50	50	19.45	19.37	19.30
		100	0	19.41	19.33	19.26

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				131979CH	132322CH	132665CH
				1710.7MHz	1745MHz	1779.3MHz
66 / 1.4M	QPSK	1	0	22.49	22.48	22.34
		1	2	22.55	22.56	22.42
		1	5	22.49	22.48	22.38
		3	0	22.55	22.59	22.45
		3	1	22.57	22.62	22.50
		3	2	22.57	22.57	22.50
		6	0	21.71	21.70	21.63
	16QAM	1	0	21.89	21.57	21.53
		1	2	21.91	21.58	21.57
		1	5	21.86	21.56	21.55
		3	0	21.81	21.80	21.54
		3	1	21.79	21.81	21.56
		3	2	21.81	21.83	21.56
		6	0	20.61	20.89	20.75
	64QAM	1	0	21.05	20.81	20.74
		1	2	21.12	20.88	20.75
		1	5	21.01	20.76	20.76
		3	0	21.03	20.88	20.59
		3	1	21.05	20.88	20.61
		3	2	21.01	20.92	20.62
		6	0	19.70	20.03	19.75

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				131987CH	132322CH	132657CH
				1711.5MHz	1745MHz	1778.5MHz
66 / 3M	QPSK	1	0	22.37	22.43	22.27
		1	7	22.47	22.51	22.41
		1	14	22.33	22.41	22.30
		8	0	21.64	21.63	21.56
		8	4	21.67	21.65	21.59
		8	7	21.61	21.59	21.52
		15	0	21.58	21.57	21.50
	16QAM	1	0	21.38	21.82	21.41
		1	7	21.48	21.91	21.49
		1	14	21.33	21.82	21.37
		8	0	20.72	20.74	20.57
		8	4	20.79	20.77	20.66
		8	7	20.73	20.69	20.57
		15	0	20.59	20.59	20.48
	64QAM	1	0	20.86	20.70	20.69
		1	7	20.97	20.80	20.78
		1	14	20.85	20.70	20.61
		8	0	19.75	19.72	19.57
		8	4	19.79	19.77	19.61
		8	7	19.71	19.70	19.50
		15	0	19.59	19.67	19.55

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				131997CH	132322CH	132647CH
				1712.5MHz	1745MHz	1777.5MHz
66 / 5M	QPSK	1	0	22.72	22.64	22.61
		1	13	22.81	22.71	22.71
		1	24	22.75	22.64	22.61
		12	0	21.55	21.69	21.61
		12	6	21.71	21.70	21.64
		12	11	21.74	21.68	21.62
		25	0	21.71	21.67	21.59
	16QAM	1	0	21.89	22.21	21.71
		1	13	21.98	22.30	21.80
		1	24	21.90	22.17	21.77
		12	0	20.69	20.82	20.66
		12	6	20.80	20.88	20.71
		12	11	20.81	20.86	20.66
		25	0	20.70	20.78	20.55
	64QAM	1	0	20.68	21.08	20.85
		1	13	20.77	21.17	20.98
		1	24	20.73	21.06	20.90
		12	0	19.69	19.71	19.71
		12	6	19.82	19.75	19.75
		12	11	19.83	19.73	19.71
		25	0	19.70	19.72	19.66

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				132022CH	132322CH	132622CH
				1715MHz	1745MHz	1775MHz
66 / 10M	QPSK	1	0	22.65	22.76	22.66
		1	25	22.75	22.79	22.64
		1	49	22.74	22.75	22.59
		25	0	21.64	21.74	21.65
		25	13	21.80	21.80	21.68
		25	25	21.83	21.75	21.62
		50	0	21.73	21.77	21.61
	16QAM	1	0	21.70	22.13	21.69
		1	25	21.76	22.18	21.71
		1	49	21.73	22.15	21.68
		25	0	20.64	20.78	20.73
		25	13	20.79	20.85	20.73
		25	25	20.81	20.79	20.67
		50	0	20.72	20.81	20.66
	64QAM	1	0	21.08	20.97	20.89
		1	25	21.14	21.00	20.91
		1	49	21.10	21.00	20.87
		25	0	19.68	19.86	19.77
		25	13	19.86	19.91	19.77
		25	25	19.87	19.89	19.68
		50	0	19.80	19.87	19.67

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				132047CH	132322CH	132597CH
				1717.5MHz	1745MHz	1772.5MHz
66 / 15M	QPSK	1	0	22.61	22.67	22.64
		1	38	22.79	22.79	22.71
		1	74	22.68	22.71	22.64
		36	0	21.65	21.78	21.67
		36	18	21.80	21.76	21.71
		36	39	21.82	21.76	21.67
		75	0	21.77	21.74	21.64
	16QAM	1	0	21.62	21.62	22.03
		1	38	21.74	21.75	22.12
		1	74	22.09	21.69	22.01
		36	0	20.61	20.76	20.71
		36	18	20.75	20.75	20.75
		36	39	20.79	20.72	20.70
		75	0	20.73	20.76	20.67
	64QAM	1	0	21.00	20.90	21.25
		1	38	21.13	21.02	21.35
		1	74	21.02	20.89	21.26
		36	0	19.70	19.84	19.68
		36	18	19.81	19.87	19.74
		36	39	19.87	19.86	19.66
		75	0	19.78	19.85	19.74

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				132072CH	132322CH	132572CH
				1720MHz	1745MHz	1770MHz
66 / 20M	QPSK	1	0	22.57	22.55	22.51
		1	50	22.80	22.76	22.69
		1	99	22.62	22.58	22.52
		50	0	21.57	21.80	21.60
		50	25	21.75	21.83	21.69
		50	50	21.76	21.79	21.57
		100	0	21.65	21.76	21.57
	16QAM	1	0	22.02	22.12	22.06
		1	50	22.21	22.37	22.23
		1	99	22.01	22.18	22.02
		50	0	20.58	20.90	20.64
		50	25	20.73	20.92	20.75
		50	50	20.75	20.84	20.63
		100	0	20.68	20.86	20.63
	64QAM	1	0	20.94	21.31	20.82
		1	50	21.18	21.54	21.01
		1	99	21.01	21.35	20.82
		50	0	19.72	19.92	19.69
		50	25	19.88	19.95	19.81
		50	50	19.90	19.85	19.65
		100	0	19.76	19.83	19.64

EIRP For Second Antenna (dBm):

Modulation	Band	WCDMA Band IV		
	Tx Channel	1312CH	1413CH	1513CH
	Frequency	1712.4MHz	1732.6MHz	1752.6MHz
QPSK	RMC 12.2K	24.55	24.41	24.49
	RMC 64K	24.57	24.44	24.53
	RMC 144K	24.38	24.24	24.32
	RMC 384K	24.43	24.29	24.36
	HSDPA Subtest-1	24.11	24.02	24.17
	HSDPA Subtest-2	24.07	23.99	24.11
	HSDPA Subtest-3	23.60	23.51	23.62
	HSDPA Subtest-4	23.60	23.51	23.60
	HSUPA Subtest-1	22.16	22.07	22.20
	HSUPA Subtest-2	22.16	21.55	21.69
	HSUPA Subtest-3	22.66	22.59	21.69
	HSUPA Subtest-4	22.12	22.02	21.15
	HSUPA Subtest-5	23.15	23.06	23.21

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19957CH	20175CH	20393CH
				1710.7MHz	1732.5MHz	1754.3MHz
4 / 1.4M	QPSK	1	0	23.76	23.75	23.66
		1	2	23.81	23.78	23.71
		1	5	23.74	23.73	23.65
		3	0	23.81	23.80	23.78
		3	1	23.82	23.84	23.82
		3	2	23.83	23.79	23.83
		6	0	22.98	22.91	22.86
	16QAM	1	0	23.17	22.77	22.83
		1	2	23.22	22.80	22.90
		1	5	23.16	22.80	22.84
		3	0	23.10	23.01	22.87
		3	1	23.10	23.05	22.87
		3	2	23.09	23.02	22.90
		6	0	21.89	22.10	22.05
	64QAM	1	0	22.11	22.31	22.04
		1	2	22.15	22.40	22.11
		1	5	22.15	22.32	22.01
		3	0	21.98	22.34	22.12
		3	1	21.97	22.33	22.12
		3	2	21.98	22.34	22.16
		6	0	21.07	20.95	21.26

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19965CH	20175CH	20385CH
				1711.5MHz	1732.5MHz	1753.5MHz
4 / 3M	QPSK	1	0	23.59	23.62	23.60
		1	7	23.70	23.75	23.68
		1	14	23.62	23.62	23.57
		8	0	22.88	22.90	22.79
		8	4	22.94	22.93	22.85
		8	7	22.86	22.82	22.79
		15	0	22.85	22.79	22.75
	16QAM	1	0	22.66	23.06	22.68
		1	7	22.73	23.15	22.79
		1	14	22.62	23.07	22.61
		8	0	22.02	22.00	21.91
		8	4	22.09	22.05	21.97
		8	7	21.96	21.92	21.90
		15	0	21.90	21.87	21.80
	64QAM	1	0	22.12	21.96	22.03
		1	7	22.23	22.05	22.12
		1	14	22.14	21.91	21.96
		8	0	21.04	20.97	20.90
		8	4	21.07	21.04	20.94
		8	7	20.94	20.93	20.85
		15	0	20.88	20.91	20.90

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				19975CH	20175CH	20375CH
				1712.5MHz	1732.5MHz	1752.5MHz
4 / 5M	QPSK	1	0	23.98	23.87	23.90
		1	13	24.11	23.97	24.02
		1	24	23.96	23.85	23.89
		12	0	22.88	22.89	22.86
		12	6	22.97	22.95	22.91
		12	11	22.99	22.94	22.89
		25	0	22.98	22.95	22.90
	16QAM	1	0	23.11	23.42	23.01
		1	13	23.27	23.56	23.10
		1	24	23.16	23.39	23.01
		12	0	21.99	22.08	21.99
		12	6	22.08	22.12	22.05
		12	11	22.12	22.12	22.00
		25	0	21.99	22.03	21.89
	64QAM	1	0	21.93	22.29	22.22
		1	13	22.07	22.40	22.30
		1	24	21.96	22.25	22.16
		12	0	20.97	20.94	21.03
		12	6	21.04	20.97	21.08
		12	11	21.11	20.95	21.05
		25	0	20.96	20.97	20.99

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20000CH	20175CH	20350CH
				1715MHz	1732.5MHz	1750MHz
4 / 10M	QPSK	1	0	23.91	23.97	23.89
		1	25	24.02	24.00	23.94
		1	49	23.99	23.94	23.88
		25	0	22.89	22.96	22.90
		25	13	23.05	23.04	22.97
		25	25	23.09	22.91	22.89
		50	0	22.97	22.94	22.93
	16QAM	1	0	22.99	23.36	23.02
		1	25	23.04	23.42	23.04
		1	49	23.00	23.37	22.98
		25	0	21.89	22.02	22.07
		25	13	22.04	22.07	22.11
		25	25	22.09	21.97	22.06
		50	0	21.96	22.01	22.00
	64QAM	1	0	22.36	22.16	22.23
		1	25	22.42	22.22	22.27
		1	49	22.37	22.17	22.18
		25	0	20.95	21.07	21.07
		25	13	21.10	21.12	21.15
		25	25	21.18	21.08	21.08
		50	0	21.05	21.07	21.05

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20025CH	20175CH	20325CH
				1717.5MHz	1732.5MHz	1747.5MHz
4 / 15M	QPSK	1	0	23.87	23.88	23.87
		1	38	24.00	24.01	24.03
		1	74	23.83	23.85	23.88
		36	0	22.92	22.97	22.92
		36	18	23.05	23.00	22.95
		36	39	23.03	22.94	22.89
		75	0	22.97	22.97	22.91
	16QAM	1	0	22.90	23.29	23.39
		1	38	23.02	23.40	23.53
		1	74	22.85	23.36	23.40
		36	0	21.88	21.98	21.94
		36	18	22.04	22.07	22.01
		36	39	22.02	21.99	21.94
		75	0	21.98	22.00	22.00
	64QAM	1	0	22.28	22.06	22.58
		1	38	22.39	22.22	22.73
		1	74	22.25	22.11	22.58
		36	0	20.96	21.05	21.00
		36	18	21.05	21.09	21.04
		36	39	21.06	21.05	20.98
		75	0	21.00	21.04	21.07

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20050CH	20175CH	20300CH
				1720MHz	1732.5MHz	1740MHz
4 / 20M	QPSK	1	0	23.82	23.75	23.73
		1	50	24.05	23.98	23.95
		1	99	23.86	23.82	23.80
		50	0	22.83	22.94	23.02
		50	25	23.01	23.01	23.03
		50	50	23.00	22.93	22.95
		100	0	22.91	22.92	23.00
	16QAM	1	0	23.37	23.29	23.25
		1	50	23.61	23.49	23.49
		1	99	23.42	23.40	23.27
		50	0	21.88	21.99	22.07
		50	25	22.07	22.12	22.07
		50	50	22.11	22.01	22.03
		100	0	22.01	21.98	22.05
	64QAM	1	0	22.21	22.46	22.23
		1	50	22.44	22.73	22.50
		1	99	22.26	22.60	22.27
		50	0	20.93	21.03	21.18
		50	25	21.12	21.12	21.20
		50	50	21.14	21.01	21.17
		100	0	21.02	20.98	21.14

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20775CH	21100CH	21425CH
				2502.5MHz	2535MHz	2567.5MHz
7 / 5M	QPSK	1	0	23.97	24.00	23.85
		1	13	24.11	24.16	23.97
		1	24	23.98	24.02	23.87
		12	0	22.90	22.94	22.94
		12	6	23.00	23.00	22.93
		12	11	23.00	22.97	22.86
		25	0	22.95	22.97	22.86
	16QAM	1	0	23.00	23.09	23.30
		1	13	23.16	23.22	23.46
		1	24	23.06	23.10	23.32
		12	0	21.96	22.03	22.05
		12	6	22.03	22.12	22.06
		12	11	22.03	22.10	21.98
		25	0	21.93	22.01	21.93
	64QAM	1	0	22.26	22.19	21.81
		1	2	22.42	22.36	21.95
		1	5	22.25	22.27	21.87
		3	0	20.93	21.02	21.01
		3	1	20.98	21.16	21.01
		3	2	20.99	21.12	20.95
		6	0	20.97	21.02	20.91

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20800CH	21100CH	21400CH
				2505MHz	2535MHz	2565MHz
7 / 10M	QPSK	1	0	23.96	24.03	23.93
		1	25	24.05	24.11	23.95
		1	49	24.02	24.08	23.94
		25	0	22.95	22.99	22.99
		25	13	23.02	23.04	22.97
		25	25	23.00	22.97	22.80
		50	0	22.98	22.96	22.89
	16QAM	1	0	22.84	23.34	22.95
		1	25	22.93	23.42	22.95
		1	49	22.92	23.33	22.91
		25	0	21.95	22.05	22.07
		25	13	22.03	22.08	22.02
		25	25	22.02	22.05	21.85
		50	0	21.97	22.03	21.94
	64QAM	1	0	22.32	22.17	22.14
		1	25	22.40	22.23	22.14
		1	49	22.32	22.22	22.10
		25	0	21.01	21.13	21.08
		25	13	21.11	21.17	21.05
		25	25	21.12	21.15	20.89
		50	0	21.05	21.08	20.95

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20825CH	21100CH	21375CH
				2507.5MHz	2535MHz	2562.5MHz
7 / 15M	QPSK	1	0	23.91	24.00	23.93
		1	38	24.02	24.11	24.00
		1	74	23.99	24.04	23.95
		36	0	22.94	22.99	22.95
		36	18	23.05	23.07	22.96
		36	39	23.03	23.03	22.82
		75	0	23.00	23.00	22.87
	16QAM	1	0	22.79	23.29	23.28
		1	38	22.92	23.42	23.38
		1	74	22.87	23.32	23.26
		36	0	21.88	22.04	21.91
		36	18	21.95	22.09	21.91
		36	39	21.97	22.04	21.77
		75	0	21.96	22.05	21.90
	64QAM	1	0	22.26	22.05	22.49
		1	38	22.33	22.21	22.56
		1	74	22.30	22.09	22.42
		36	0	20.93	21.03	20.92
		36	18	21.03	21.10	20.94
		36	39	21.06	21.05	20.81
		75	0	20.98	21.03	20.91

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				20850CH	21100CH	21350CH
				2510MHz	2535MHz	2560MHz
7 / 20M	QPSK	1	0	23.85	23.87	23.82
		1	50	24.07	24.06	23.98
		1	99	23.96	23.91	23.87
		50	0	22.90	22.93	22.92
		50	25	23.00	23.04	22.97
		50	50	22.96	22.97	22.69
		100	0	22.91	22.97	22.81
	16QAM	1	0	23.32	23.34	23.34
		1	50	23.55	23.52	23.50
		1	99	23.43	23.34	23.32
		50	0	21.93	21.97	21.96
		50	25	22.04	22.12	21.99
		50	50	21.99	22.05	21.77
		100	0	21.91	21.99	21.86
	64QAM	1	0	22.04	22.22	22.48
		1	50	22.23	22.42	22.62
		1	99	22.10	22.24	22.45
		50	0	20.95	21.05	21.00
		50	25	21.04	21.16	21.05
		50	50	21.02	21.11	20.79
		100	0	20.95	21.02	20.85

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				37775CH	38000CH	38225CH
				2572.5MHz	2595MHz	2617.5MHz
38 / 5M	QPSK	1	0	23.49	23.39	23.42
		1	13	23.52	23.48	23.49
		1	24	23.45	23.37	23.40
		12	0	22.49	22.39	22.40
		12	6	22.49	22.46	22.44
		12	11	22.46	22.42	22.40
		25	0	22.49	22.44	22.42
	16QAM	1	0	22.89	22.64	22.67
		1	13	22.92	22.75	22.78
		1	24	22.85	22.66	22.65
		12	0	21.58	21.48	21.38
		12	6	21.61	21.53	21.43
		12	11	21.59	21.51	21.43
		25	0	21.51	21.45	21.41
	64QAM	1	0	21.60	21.97	21.70
		1	13	21.65	22.07	21.80
		1	24	21.57	21.95	21.66
		12	0	20.50	20.55	20.36
		12	6	20.52	20.59	20.41
		12	11	20.48	20.56	20.37
		25	0	20.52	20.40	20.31

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				37800CH	38000CH	38200CH
				2575MHz	2595MHz	2615MHz
38 / 10M	QPSK	1	0	23.56	23.62	23.46
		1	25	23.53	23.62	23.50
		1	49	23.51	23.57	23.46
		25	0	22.56	22.50	22.45
		25	13	22.58	22.52	22.51
		25	25	22.52	22.48	22.46
		50	0	22.51	22.49	22.45
	16QAM	1	0	22.84	22.99	22.87
		1	25	22.85	22.99	22.92
		1	49	22.80	22.94	22.88
		25	0	21.56	21.49	21.45
		25	13	21.58	21.52	21.51
		25	25	21.53	21.48	21.49
		50	0	21.56	21.53	21.52
	64QAM	1	0	21.45	22.05	21.70
		1	25	21.43	22.06	21.75
		1	49	21.38	22.00	21.71
		25	0	20.58	20.44	20.34
		25	13	20.60	20.48	20.41
		25	25	20.57	20.44	20.39
		50	0	20.55	20.47	20.45

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				37825CH	38000CH	38175CH
				2577.5MHz	2595MHz	2612.5MHz
38 / 15M	QPSK	1	0	23.45	23.53	23.44
		1	38	23.55	23.64	23.53
		1	74	23.43	23.50	23.42
		36	0	22.52	22.48	22.40
		36	18	22.52	22.56	22.46
		36	39	22.49	22.47	22.47
		75	0	22.51	22.50	22.45
	16QAM	1	0	22.77	22.92	22.76
		1	38	22.88	22.99	22.82
		1	74	22.74	22.87	22.72
		36	0	21.51	21.43	21.40
		36	18	21.51	21.46	21.46
		36	39	21.47	21.45	21.45
		75	0	21.52	21.50	21.43
	64QAM	1	0	21.35	21.97	21.52
		1	38	21.44	22.05	21.61
		1	74	21.34	21.93	21.50
		36	0	20.55	20.50	20.32
		36	18	20.59	20.52	20.39
		36	39	20.52	20.47	20.36
		75	0	20.48	20.47	20.41

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				37850CH	38000CH	38150CH
				2580MHz	2595MHz	2610MHz
38 / 20M	QPSK	1	0	23.46	23.47	23.39
		1	50	23.58	23.59	23.52
		1	99	23.39	23.44	23.37
		50	0	22.49	22.43	22.38
		50	25	22.54	22.51	22.48
		50	50	22.48	22.42	22.46
		100	0	22.47	22.46	22.44
	16QAM	1	0	22.75	22.57	22.50
		1	50	22.88	22.75	22.68
		1	99	22.72	22.57	22.49
		50	0	21.51	21.47	21.41
		50	25	21.57	21.55	21.49
		50	50	21.50	21.49	21.46
		100	0	21.50	21.49	21.42
	64QAM	1	0	21.85	21.95	21.46
		1	50	21.98	22.12	21.62
		1	99	21.81	21.91	21.47
		50	0	20.57	20.47	20.42
		50	25	20.61	20.56	20.52
		50	50	20.55	20.47	20.47
		100	0	20.54	20.47	20.44

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				40065CH	40640CH	41215CH
				2537.5MHz	2595MHz	2652.5MHz
41 / 5M	QPSK	1	0	23.45	23.34	23.18
		1	13	23.57	23.44	23.28
		1	24	23.46	23.35	23.16
		12	0	21.49	21.38	21.20
		12	6	21.55	21.42	21.26
		12	11	21.54	21.41	21.24
		25	0	21.52	21.39	21.25
	16QAM	1	0	22.64	22.66	22.62
		1	13	22.77	22.77	22.73
		1	24	22.67	22.64	22.65
		12	0	21.03	20.90	20.89
		12	6	21.10	20.94	20.94
		12	11	21.09	20.92	20.92
		25	0	21.01	20.94	20.80
	64QAM	1	0	21.55	21.95	21.57
		1	13	21.66	22.03	21.67
		1	24	21.52	21.93	21.55
		12	0	20.51	20.52	20.26
		12	6	20.58	20.58	20.28
		12	11	20.55	20.54	20.26
		25	0	20.55	20.38	20.20

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				40090CH	40640CH	41190CH
				2540MHz	2595MHz	2650MHz
41 / 10M	QPSK	1	0	23.47	23.53	23.27
		1	25	23.50	23.53	23.27
		1	49	23.47	23.52	23.23
		25	0	21.51	21.45	21.27
		25	13	21.54	21.46	21.34
		25	25	21.51	21.44	21.28
		50	0	21.52	21.43	21.29
	16QAM	1	0	22.73	22.91	22.70
		1	25	22.78	22.90	22.73
		1	49	22.77	22.85	22.68
		25	0	21.01	20.93	20.79
		25	13	21.07	20.95	20.85
		25	25	21.03	20.94	20.83
		50	0	21.06	21.00	20.84
	64QAM	1	0	21.37	22.02	21.59
		1	25	21.41	22.03	21.58
		1	49	21.35	21.98	21.53
		25	0	20.56	20.42	20.23
		25	13	20.63	20.44	20.29
		25	25	20.60	20.41	20.25
		50	0	20.56	20.45	20.32

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				40115CH	40640CH	41165CH
				2542.5MHz	2595MHz	2647.5MHz
41 / 15M	QPSK	1	0	23.41	23.47	23.26
		1	38	23.51	23.56	23.34
		1	74	23.38	23.47	23.20
		36	0	21.47	21.36	21.21
		36	18	21.54	21.41	21.26
		36	39	21.46	21.42	21.22
		75	0	21.47	21.39	21.24
	16QAM	1	0	22.69	22.83	22.56
		1	38	22.78	22.91	22.67
		1	74	22.66	22.82	22.53
		36	0	20.95	20.84	20.77
		36	18	20.99	20.89	20.81
		36	39	20.94	20.86	20.77
		75	0	20.99	20.91	20.78
	64QAM	1	0	21.29	21.92	21.38
		1	38	21.40	22.02	21.47
		1	74	21.26	21.93	21.34
		36	0	20.54	20.43	20.20
		36	18	20.60	20.50	20.26
		36	39	20.56	20.48	20.22
		75	0	20.50	20.43	20.31

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				40140CH	40640CH	41140CH
				2545MHz	2595MHz	2645MHz
41 / 20M	QPSK	1	0	23.37	23.38	23.24
		1	50	23.55	23.54	23.38
		1	99	23.32	23.35	23.17
		50	0	21.45	21.37	21.24
		50	25	21.53	21.47	21.34
		50	50	21.45	21.39	21.31
		100	0	21.46	21.39	21.28
	16QAM	1	0	22.67	22.49	22.62
		1	50	22.82	22.68	22.81
		1	99	22.65	22.49	22.60
		50	0	20.98	20.92	20.83
		50	25	21.03	21.01	20.93
		50	50	20.97	20.97	20.92
		100	0	20.98	20.93	20.83
	64QAM	1	0	21.95	21.50	21.64
		1	50	22.15	21.65	21.80
		1	99	21.97	21.44	21.57
		50	0	20.54	20.46	20.34
		50	25	20.63	20.53	20.44
		50	50	20.55	20.47	20.40
		100	0	20.51	20.43	20.36

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				131979CH	132322CH	132665CH
				1710.7MHz	1745MHz	1779.3MHz
66 / 1.4M	QPSK	1	0	23.59	23.58	23.44
		1	2	23.65	23.66	23.52
		1	5	23.59	23.58	23.48
		3	0	23.65	23.69	23.55
		3	1	23.67	23.72	23.60
		3	2	23.67	23.67	23.60
		6	0	22.81	22.80	22.73
	16QAM	1	0	22.99	22.67	22.63
		1	2	23.01	22.68	22.67
		1	5	22.96	22.66	22.65
		3	0	22.91	22.90	22.64
		3	1	22.89	22.91	22.66
		3	2	22.91	22.93	22.66
		6	0	21.71	21.99	21.85
	64QAM	1	0	22.15	21.91	21.84
		1	2	22.22	21.98	21.85
		1	5	22.11	21.86	21.86
		3	0	22.13	21.98	21.69
		3	1	22.15	21.98	21.71
		3	2	22.11	22.02	21.72
		6	0	20.80	21.13	20.85

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				131987CH	132322CH	132657CH
				1711.5MHz	1745MHz	1778.5MHz
66 / 3M	QPSK	1	0	23.47	23.53	23.37
		1	7	23.57	23.61	23.51
		1	14	23.43	23.51	23.40
		8	0	22.74	22.73	22.66
		8	4	22.77	22.75	22.69
		8	7	22.71	22.69	22.62
		15	0	22.68	22.67	22.60
	16QAM	1	0	22.48	22.92	22.51
		1	7	22.58	23.01	22.59
		1	14	22.43	22.92	22.47
		8	0	21.82	21.84	21.67
		8	4	21.89	21.87	21.76
		8	7	21.83	21.79	21.67
		15	0	21.69	21.69	21.58
	64QAM	1	0	21.96	21.80	21.79
		1	7	22.07	21.90	21.88
		1	14	21.95	21.80	21.71
		8	0	20.85	20.82	20.67
		8	4	20.89	20.87	20.71
		8	7	20.81	20.80	20.60
		15	0	20.69	20.77	20.65

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				131997CH	132322CH	132647CH
				1712.5MHz	1745MHz	1777.5MHz
66 / 5M	QPSK	1	0	23.82	23.74	23.71
		1	13	23.91	23.81	23.81
		1	24	23.85	23.74	23.71
		12	0	22.65	22.79	22.71
		12	6	22.81	22.80	22.74
		12	11	22.84	22.78	22.72
		25	0	22.81	22.77	22.69
	16QAM	1	0	22.99	23.31	22.81
		1	13	23.08	23.40	22.90
		1	24	23.00	23.27	22.87
		12	0	21.79	21.92	21.76
		12	6	21.90	21.98	21.81
		12	11	21.91	21.96	21.76
		25	0	21.80	21.88	21.65
	64QAM	1	0	21.78	22.18	21.95
		1	13	21.87	22.27	22.08
		1	24	21.83	22.16	22.00
		12	0	20.79	20.81	20.81
		12	6	20.92	20.85	20.85
		12	11	20.93	20.83	20.81
		25	0	20.80	20.82	20.76

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				132022CH	132322CH	132622CH
				1715MHz	1745MHz	1775MHz
66 / 10M	QPSK	1	0	23.75	23.86	23.76
		1	25	23.85	23.89	23.74
		1	49	23.84	23.85	23.69
		25	0	22.74	22.84	22.75
		25	13	22.90	22.90	22.78
		25	25	22.93	22.85	22.72
		50	0	22.83	22.87	22.71
	16QAM	1	0	22.80	23.23	22.79
		1	25	22.86	23.28	22.81
		1	49	22.83	23.25	22.78
		25	0	21.74	21.88	21.83
		25	13	21.89	21.95	21.83
		25	25	21.91	21.89	21.77
		50	0	21.82	21.91	21.76
	64QAM	1	0	22.18	22.07	21.99
		1	25	22.24	22.10	22.01
		1	49	22.20	22.10	21.97
		25	0	20.78	20.96	20.87
		25	13	20.96	21.01	20.87
		25	25	20.97	20.99	20.78
		50	0	20.90	20.97	20.77

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				132047CH	132322CH	132597CH
				1717.5MHz	1745MHz	1772.5MHz
66 / 15M	QPSK	1	0	23.71	23.77	23.74
		1	38	23.89	23.89	23.81
		1	74	23.78	23.81	23.74
		36	0	22.75	22.88	22.77
		36	18	22.90	22.86	22.81
		36	39	22.92	22.86	22.77
		75	0	22.87	22.84	22.74
	16QAM	1	0	22.72	22.72	23.13
		1	38	22.84	22.85	23.22
		1	74	23.19	22.79	23.11
		36	0	21.71	21.86	21.81
		36	18	21.85	21.85	21.85
		36	39	21.89	21.82	21.80
		75	0	21.83	21.86	21.77
	64QAM	1	0	22.10	22.00	22.35
		1	38	22.23	22.12	22.45
		1	74	22.12	21.99	22.36
		36	0	20.80	20.94	20.78
		36	18	20.91	20.97	20.84
		36	39	20.97	20.96	20.76
		75	0	20.88	20.95	20.84

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				132072CH	132322CH	132572CH
				1720MHz	1745MHz	1770MHz
66 / 20M	QPSK	1	0	23.67	23.65	23.61
		1	50	23.90	23.86	23.79
		1	99	23.72	23.68	23.62
		50	0	22.67	22.90	22.70
		50	25	22.85	22.93	22.79
		50	50	22.86	22.89	22.67
		100	0	22.75	22.86	22.67
	16QAM	1	0	23.12	23.22	23.16
		1	50	23.31	23.47	23.33
		1	99	23.11	23.28	23.12
		50	0	21.68	22.00	21.74
		50	25	21.83	22.02	21.85
		50	50	21.85	21.94	21.73
		100	0	21.78	21.96	21.73
	64QAM	1	0	22.04	22.41	21.92
		1	50	22.28	22.64	22.11
		1	99	22.11	22.45	21.92
		50	0	20.82	21.02	20.79
		50	25	20.98	21.05	20.91
		50	50	21.00	20.95	20.75
		100	0	20.86	20.93	20.74

ERP For Second Antenna (dBm):

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23017CH	23095CH	23173CH
				699.7MHz	707.5MHz	715.3MHz
12 / 1.4M	QPSK	1	0	21.34	21.35	21.35
		1	2	21.43	21.38	21.41
		1	5	21.36	21.32	21.33
		3	0	21.49	21.44	21.45
		3	1	21.51	21.45	21.45
		3	2	21.54	21.44	21.46
		6	0	20.62	20.55	20.58
	16QAM	1	0	20.56	20.60	20.79
		1	2	20.59	20.67	20.86
		1	5	20.55	20.57	20.79
		3	0	20.82	20.62	20.76
		3	1	20.84	20.63	20.76
		3	2	20.80	20.64	20.77
		6	0	19.87	19.75	19.52
	64QAM	1	0	19.78	19.81	19.94
		1	2	19.87	19.82	20.10
		1	5	19.71	19.82	19.99
		3	0	19.86	19.62	20.03
		3	1	19.88	19.64	20.03
		3	2	19.87	19.65	20.03
		6	0	19.00	18.74	18.62

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23025CH	23095CH	23165CH
				700.5MHz	707.5MHz	714.5MHz
12 / 3M	QPSK	1	0	21.17	21.24	21.15
		1	7	21.28	21.38	21.30
		1	14	21.20	21.26	21.17
		8	0	20.50	20.49	20.50
		8	4	20.51	20.53	20.53
		8	7	20.45	20.41	20.43
		15	0	20.48	20.47	20.44
	16QAM	1	0	20.33	20.73	20.38
		1	7	20.40	20.82	20.50
		1	14	20.24	20.73	20.34
		8	0	19.69	19.65	19.57
		8	4	19.71	19.68	19.61
		8	7	19.63	19.59	19.53
		15	0	19.57	19.49	19.47
	64QAM	1	0	19.81	19.58	19.65
		1	7	19.90	19.69	19.76
		1	14	19.75	19.57	19.62
		8	0	18.66	18.55	18.53
		8	4	18.68	18.64	18.57
		8	7	18.56	18.52	18.46
		15	0	18.50	18.51	18.51

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23035CH	23095CH	23155CH
				701.5MHz	707.5MHz	713.5MHz
12 / 5M	QPSK	1	0	21.55	21.48	21.50
		1	13	21.67	21.59	21.64
		1	24	21.55	21.52	21.49
		12	0	20.50	20.48	20.57
		12	6	20.62	20.58	20.55
		12	11	20.62	20.56	20.53
		25	0	20.64	20.56	20.57
	16QAM	1	0	20.78	21.10	20.67
		1	13	20.92	21.23	20.80
		1	24	20.75	21.11	20.72
		12	0	19.68	19.70	19.64
		12	6	19.76	19.76	19.68
		12	11	19.73	19.70	19.65
		25	0	19.69	19.65	19.56
	64QAM	1	0	19.61	19.89	19.82
		1	13	19.69	20.05	19.96
		1	24	19.60	19.92	19.87
		12	0	18.61	18.51	18.72
		12	6	18.70	18.57	18.73
		12	11	18.71	18.55	18.67
		25	0	18.62	18.54	18.63

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23060CH	23095CH	23130CH
				704MHz	707.5MHz	711MHz
12 / 10M	QPSK	1	0	21.54	21.59	21.52
		1	25	21.56	21.63	21.53
		1	49	21.50	21.57	21.49
		25	0	20.59	20.57	20.59
		25	13	20.67	20.64	20.64
		25	25	20.68	20.57	20.53
		50	0	20.66	20.55	20.58
	16QAM	1	0	20.63	21.03	20.64
		1	25	20.65	21.07	20.64
		1	49	20.60	21.00	20.61
		25	0	19.63	19.61	19.66
		25	13	19.71	19.71	19.73
		25	25	19.70	19.60	19.64
		50	0	19.68	19.66	19.67
	64QAM	1	0	20.01	19.81	19.83
		1	25	20.01	19.84	19.85
		1	49	19.98	19.81	19.85
		25	0	18.68	18.64	18.70
		25	13	18.69	18.73	18.74
		25	25	18.72	18.66	18.68
		50	0	18.71	18.64	18.62

LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23755CH	23790CH	23825CH
				706.5MHz	710MHz	713.5MHz
17 / 5M	QPSK	1	0	21.57	21.54	21.49
		1	13	21.68	21.62	21.53
		1	24	21.50	21.49	21.46
		12	0	20.57	20.54	20.54
		12	6	20.58	20.55	20.55
		12	11	20.63	20.56	20.54
		25	0	20.66	20.58	20.56
	16QAM	1	0	20.77	20.75	21.08
		1	13	20.89	20.87	21.17
		1	24	20.77	20.77	21.06
		12	0	19.68	19.70	19.73
		12	6	19.70	19.73	19.75
		12	11	19.69	19.70	19.72
		25	0	19.65	19.61	19.68
	64QAM	1	0	19.97	19.86	19.55
		1	13	20.11	19.95	19.67
		1	24	19.94	19.90	19.57
		12	0	18.56	18.67	18.70
		12	6	18.57	18.71	18.69
		12	11	18.64	18.71	18.65
		25	0	18.63	18.64	18.62

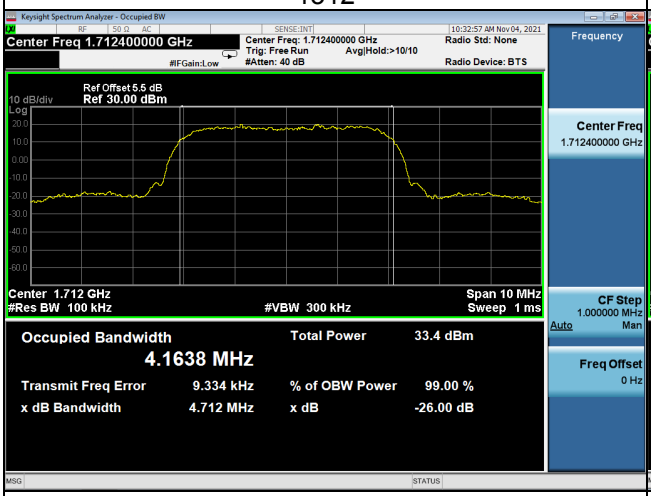
LTE Band / BW	Modulation	RB Size	RB Offset	Low CH	Mid CH	High CH
				23780CH	23790CH	23800CH
				709MHz	710MHz	711MHz
17 / 10M	QPSK	1	0	21.51	21.58	21.54
		1	25	21.56	21.60	21.55
		1	49	21.49	21.58	21.49
		25	0	20.54	20.58	20.59
		25	13	20.63	20.62	20.64
		25	25	20.56	20.56	20.55
		50	0	20.57	20.56	20.58
	16QAM	1	0	20.62	21.04	20.68
		1	25	20.65	21.05	20.65
		1	49	20.59	21.04	20.61
		25	0	19.60	19.63	19.62
		25	13	19.71	19.72	19.74
		25	25	19.60	19.61	19.66
		50	0	19.60	19.62	19.67
	64QAM	1	0	19.99	19.80	19.90
		1	25	20.05	19.83	19.91
		1	49	19.98	19.80	19.86
		25	0	18.63	18.66	18.69
		25	13	18.71	18.74	18.77
		25	25	18.66	18.70	18.67
		50	0	18.63	18.64	18.63

APPENDIX B - OCCUPIED BANDWIDTH

WCDMA Band IV_WCDMA					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
1312	1712.4	4.1638	1312	1712.4	4.712
1413	1732.6	4.1643	1413	1732.6	4.705
1513	1752.6	4.1656	1513	1752.6	4.707

Spectrum Plot

1312



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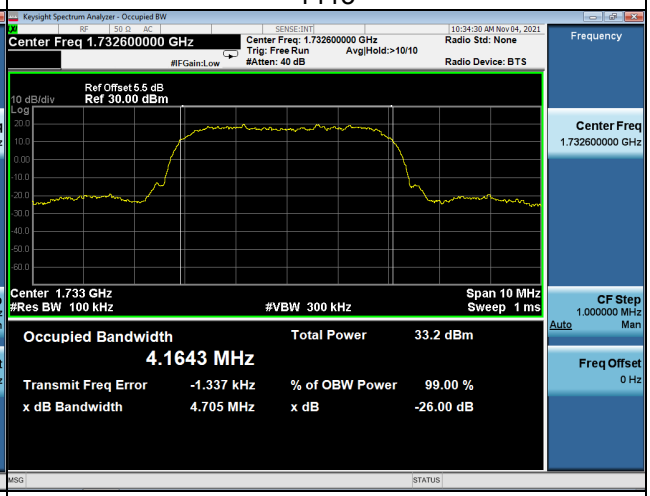

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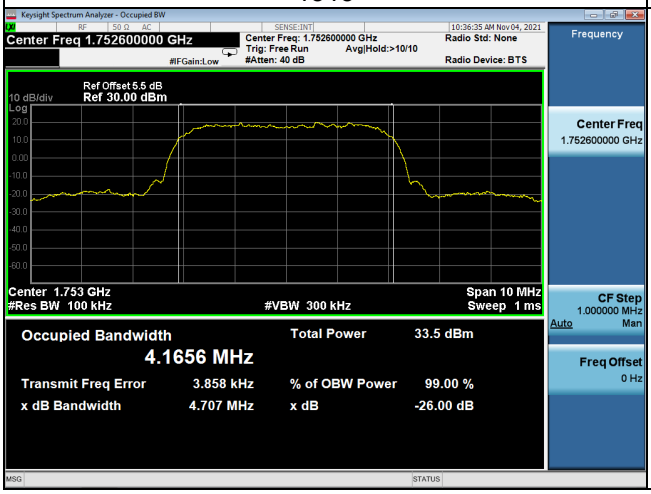

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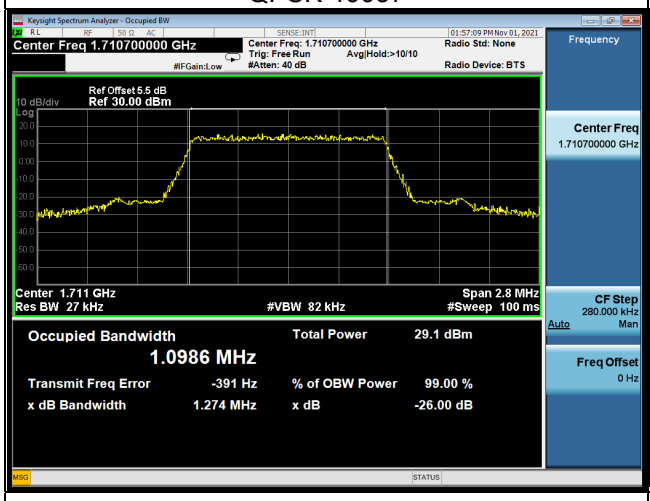
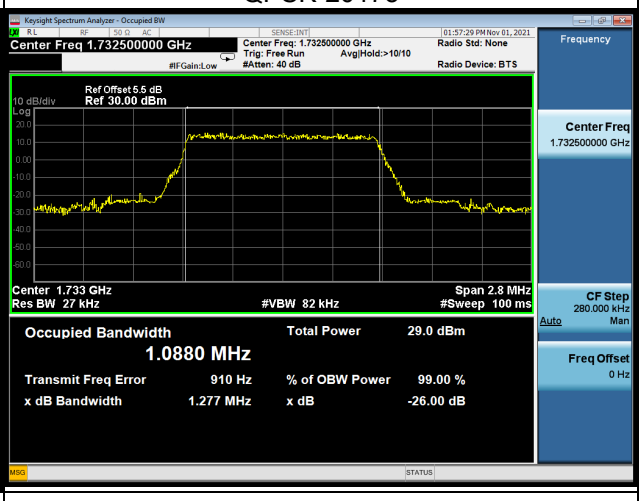
LTE Band 4_1.4M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19957	1710.7	1.0986	19957	1710.7	1.0986
20175	1732.5	1.0880	20175	1732.5	1.277
20393	1754.3	1.0932	20393	1754.3	1.270
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19957	1710.7	1.0924	19957	1710.7	1.277
20175	1732.5	1.0955	20175	1732.5	1.274
20393	1754.3	1.0911	20393	1754.3	1.269
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19957	1710.7	1.0908	19957	1710.7	1.279
20175	1732.5	1.0895	20175	1732.5	1.272
20393	1754.3	1.0862	20393	1754.3	1.266

Spectrum Plot

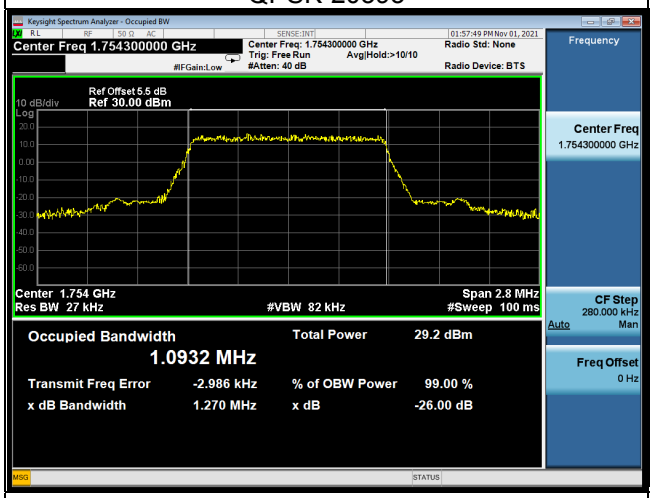
QPSK-19957



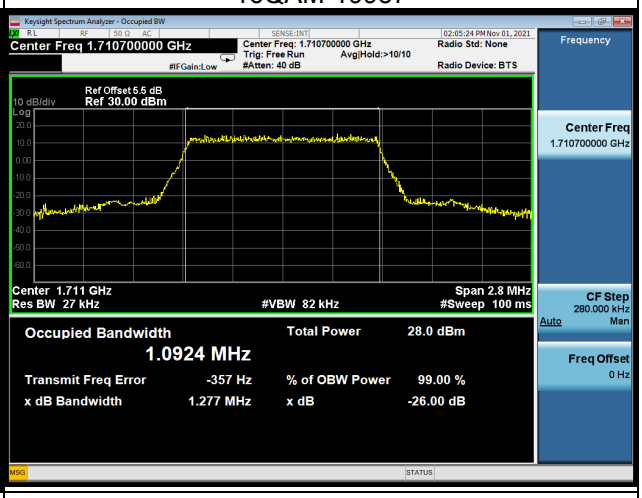
QPSK-20175



QPSK-20393



16QAM-19957



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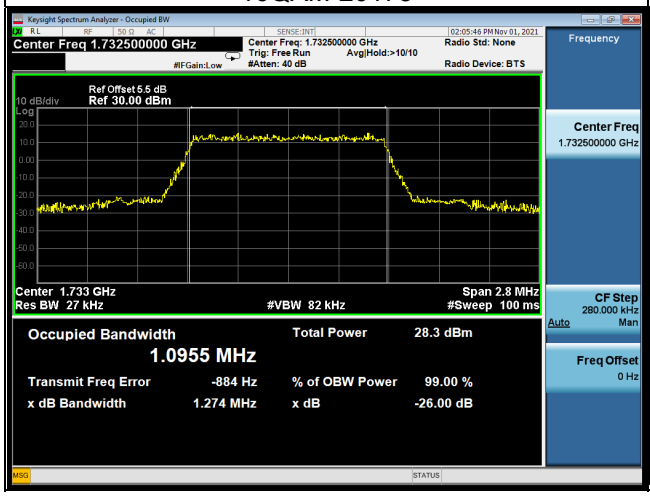

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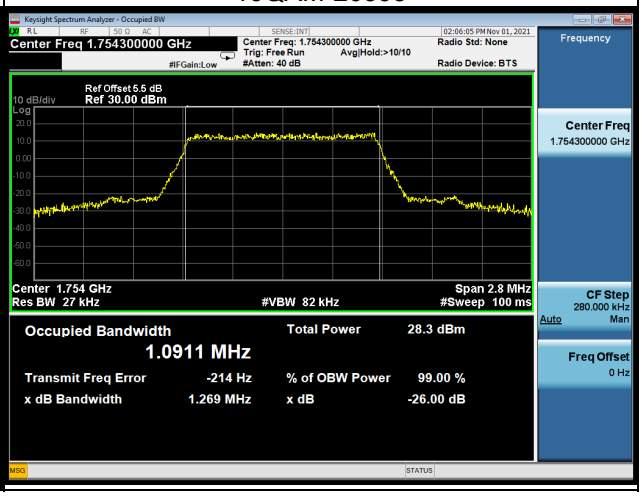
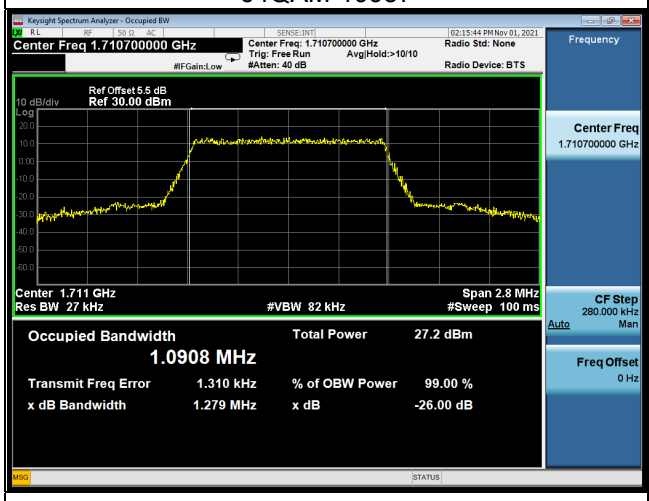
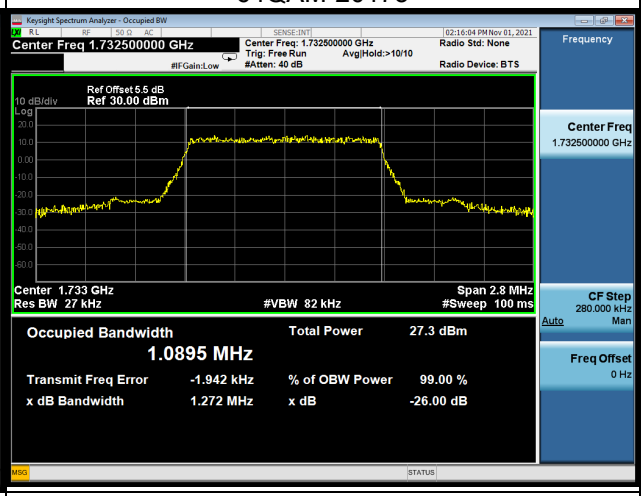


Spectrum Plot	
64QAM-19957	64QAM-20175
	
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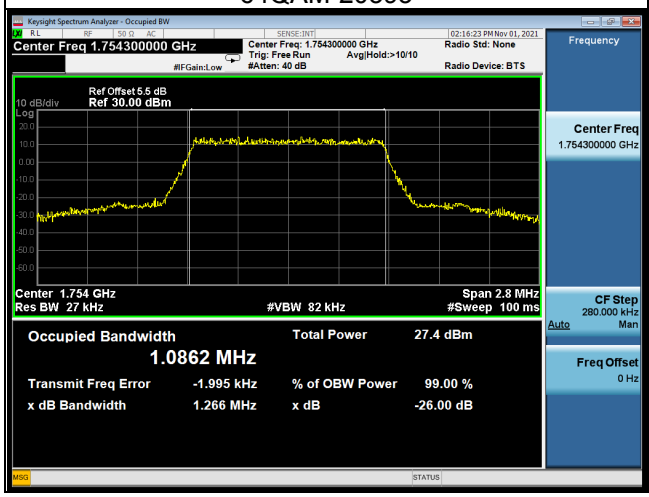
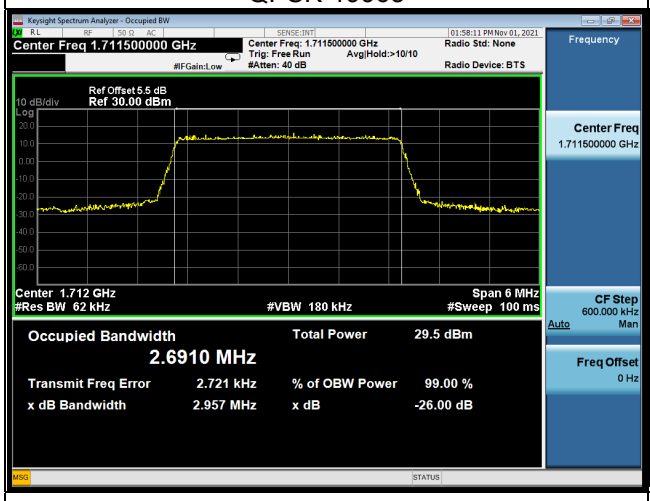
	-

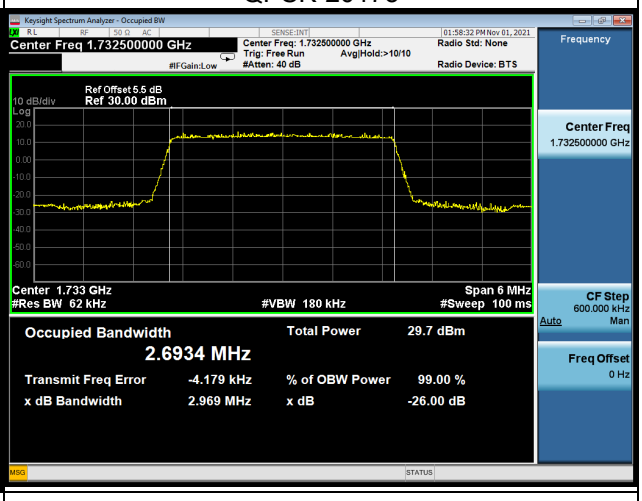
LTE Band 4_3M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19965	1711.5	2.6910	19965	1711.5	2.957
20175	1732.5	2.6934	20175	1732.5	2.969
20385	1753.5	2.6867	20385	1753.5	2.972
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19965	1711.5	2.6871	19965	1711.5	2.973
20175	1732.5	2.6893	20175	1732.5	2.973
20385	1753.5	2.6848	20385	1753.5	2.978
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19965	1711.5	2.6928	19965	1711.5	2.979
20175	1732.5	2.6919	20175	1732.5	2.945
20385	1753.5	2.6843	20385	1753.5	2.959

Spectrum Plot

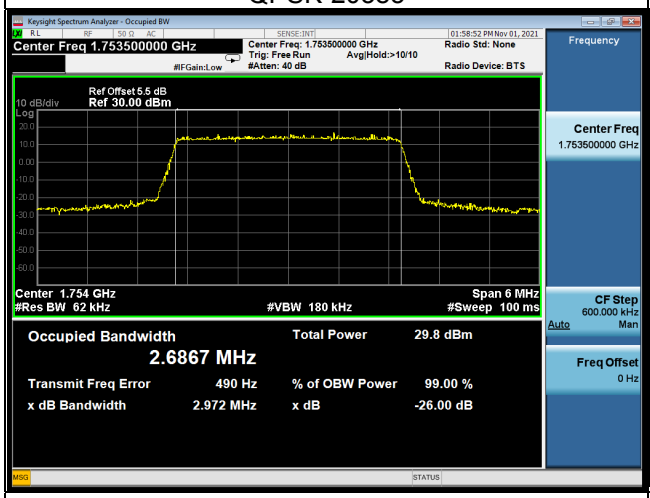
QPSK-19965



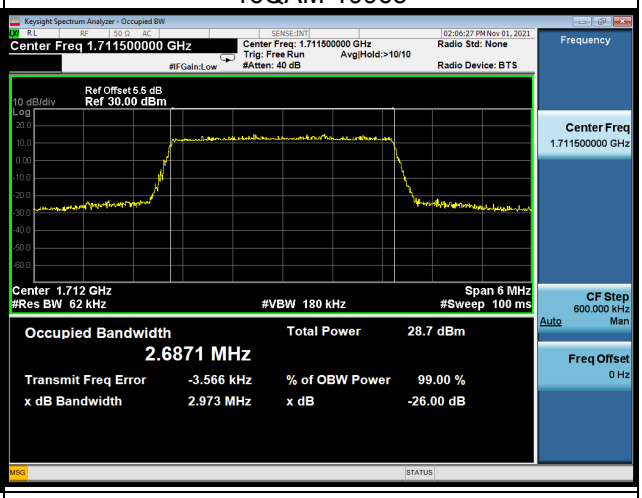
QPSK-20175



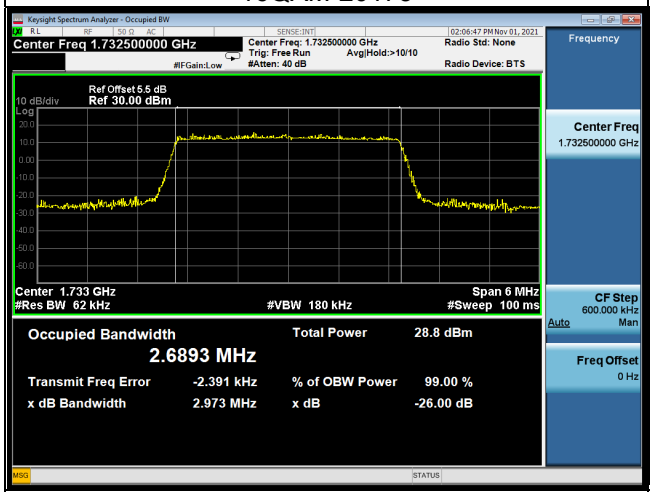
QPSK-20385



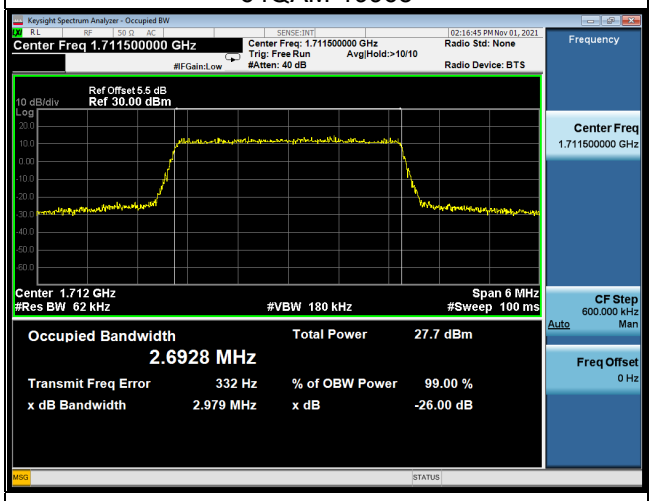
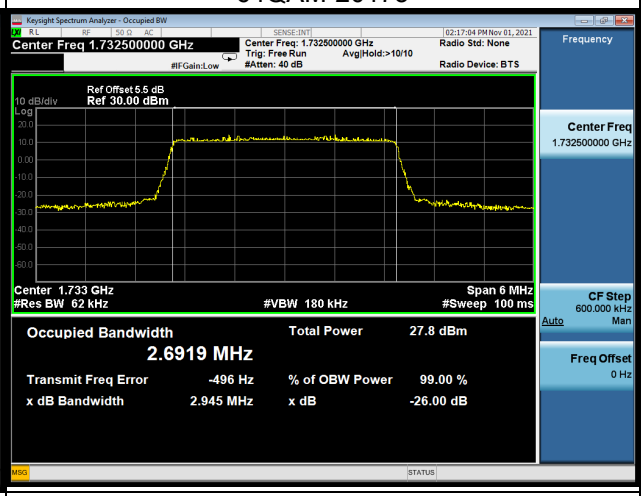
16QAM-19965



16QAM-20175



16QAM-20385

Spectrum Plot	
64QAM-19965	64QAM-20175
	
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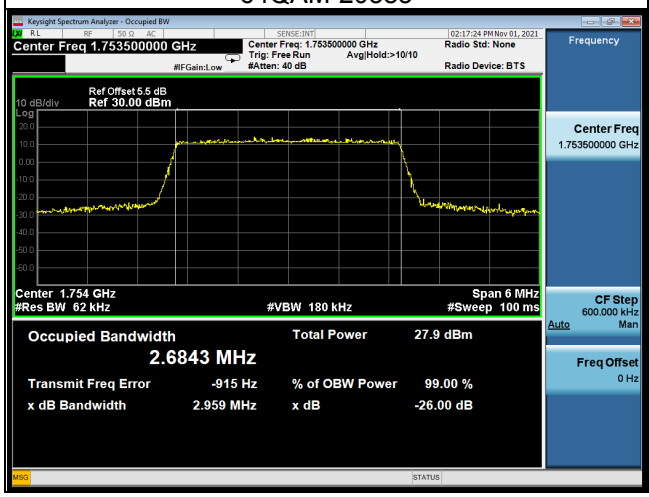
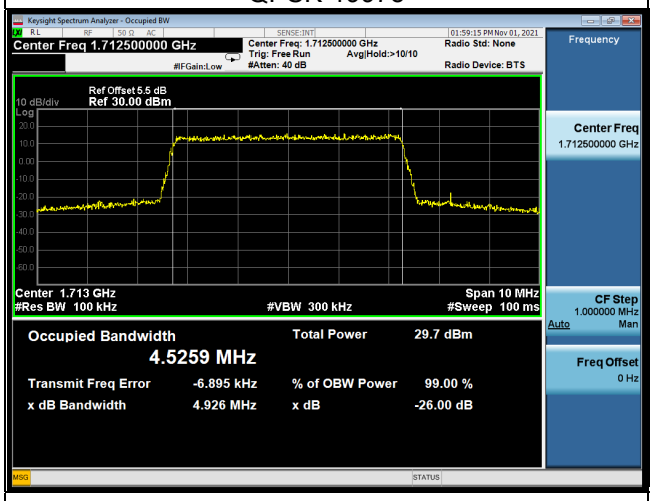
	-

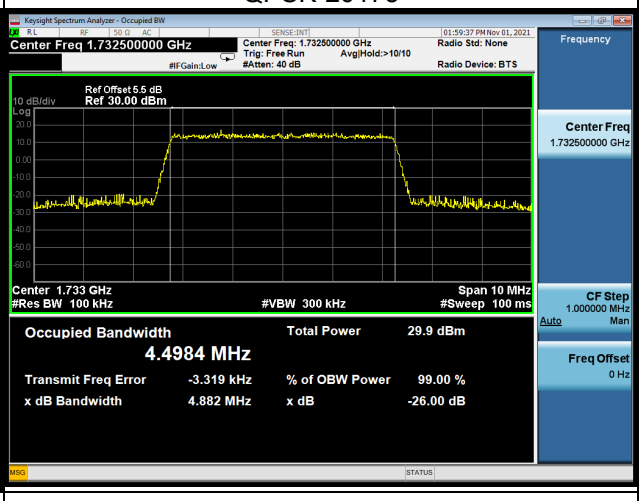
LTE Band 4_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19975	1712.5	4.5259	19975	1712.5	4.926
20175	1732.5	4.4984	20175	1732.5	4.882
20375	1752.5	4.5063	20375	1752.5	4.890
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19975	1712.5	4.5045	19975	1712.5	4.906
20175	1732.5	4.4913	20175	1732.5	4.896
20375	1752.5	4.4932	20375	1752.5	4.862
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19975	1712.5	4.5055	19975	1712.5	4.888
20175	1732.5	4.5076	20175	1732.5	4.876
20375	1752.5	4.5064	20375	1752.5	4.908

Spectrum Plot

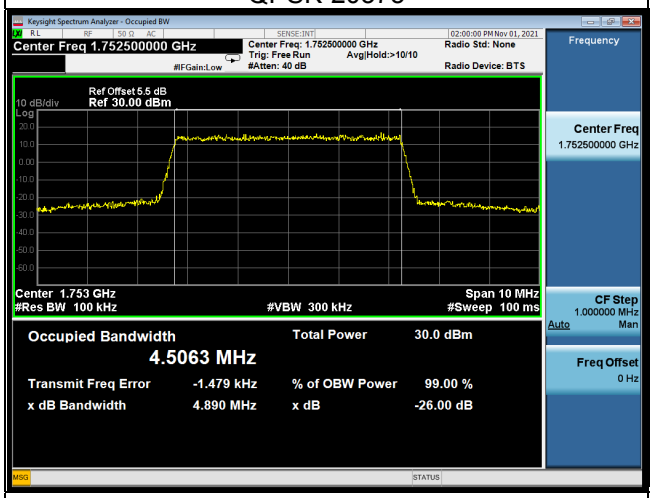
QPSK-19975



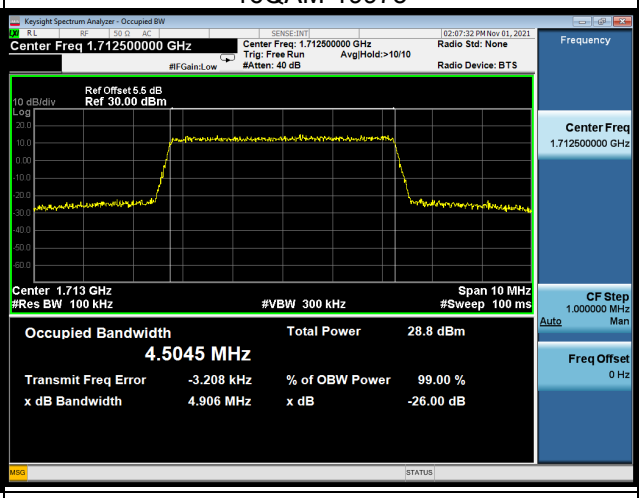
QPSK-20175



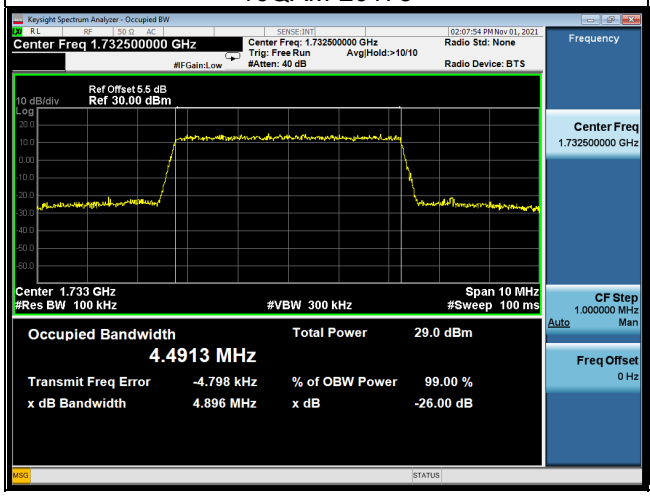
QPSK-20375



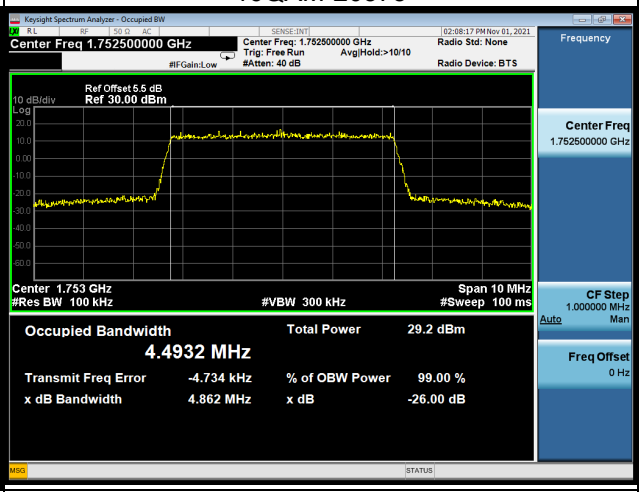
16QAM-19975

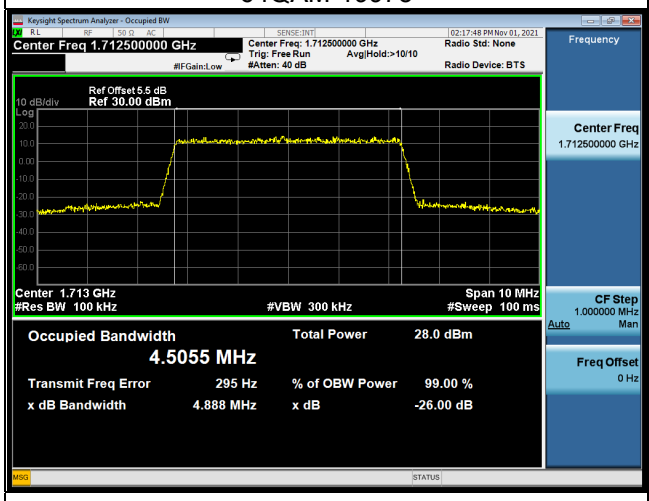
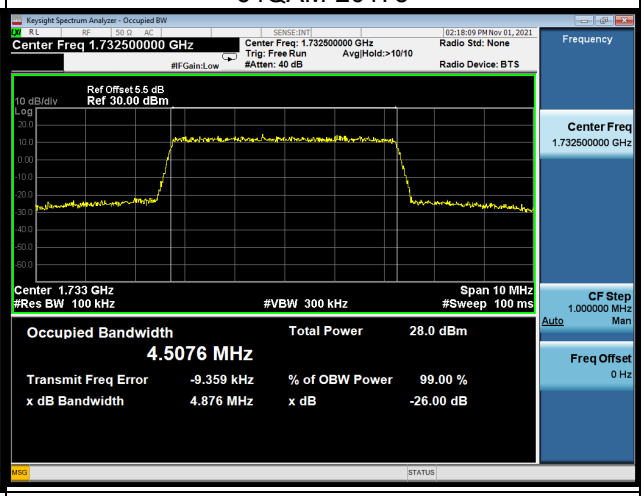
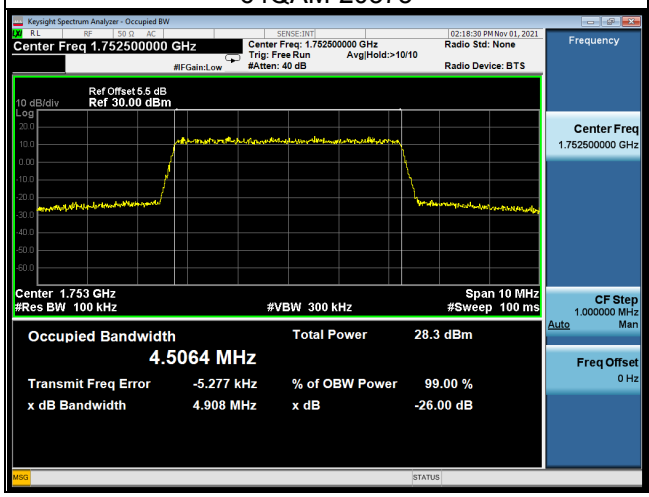


16QAM-20175



16QAM-20375

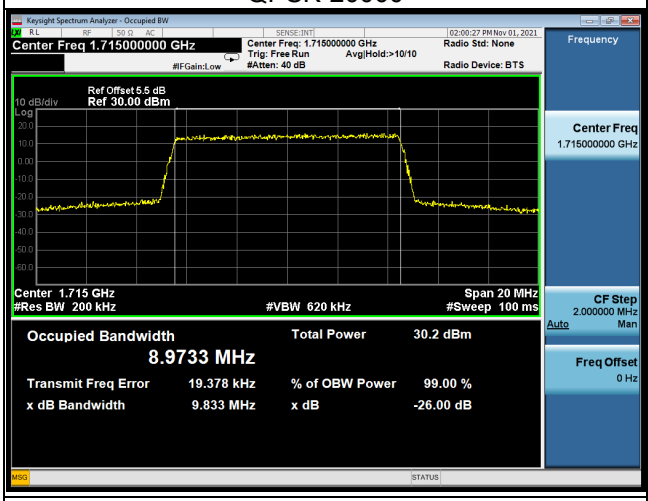


Spectrum Plot	
64QAM-19975	64QAM-20175
	
64QAM-20375	-
	-

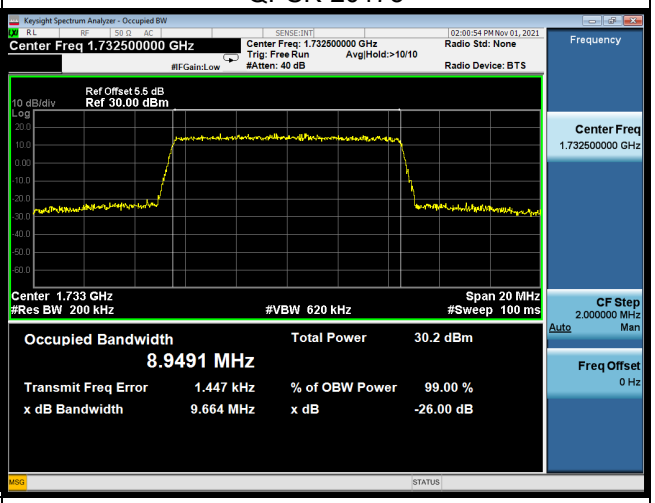
LTE Band 4_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20000	1715	8.9733	20000	1715	9.833
20175	1732.5	8.9491	20175	1732.5	9.664
20350	1750	8.9747	20350	1750	9.752
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20000	1715	8.9614	20000	1715	9.888
20175	1732.5	8.9663	20175	1732.5	9.722
20350	1750	8.9928	20350	1750	9.679
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20000	1715	8.9763	20000	1715	9.691
20175	1732.5	8.9664	20175	1732.5	9.758
20350	1750	8.9685	20350	1750	9.751

Spectrum Plot

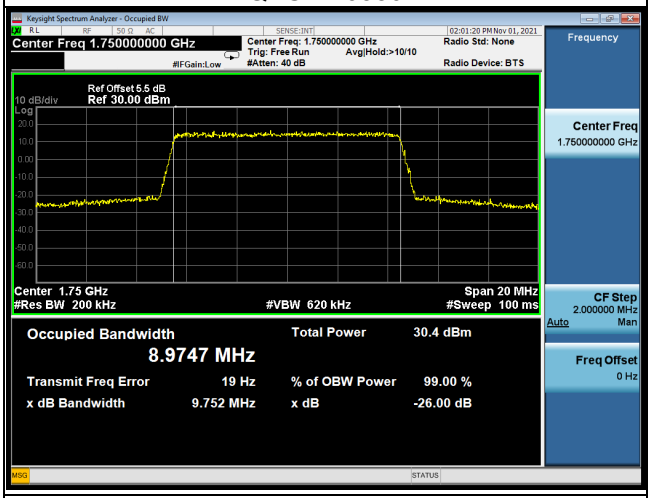
QPSK-20000



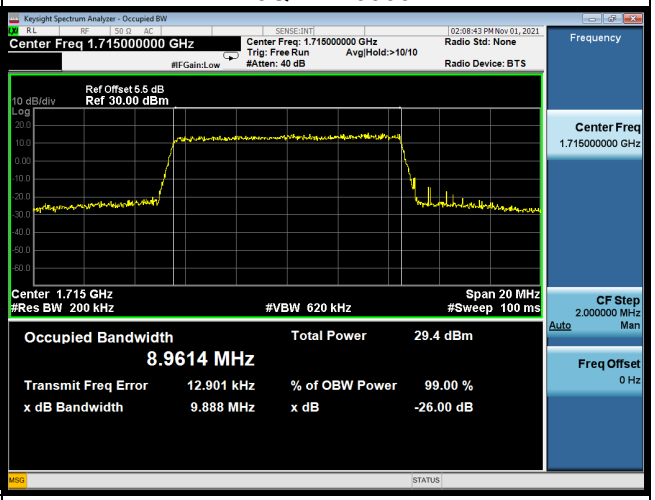
QPSK-20175



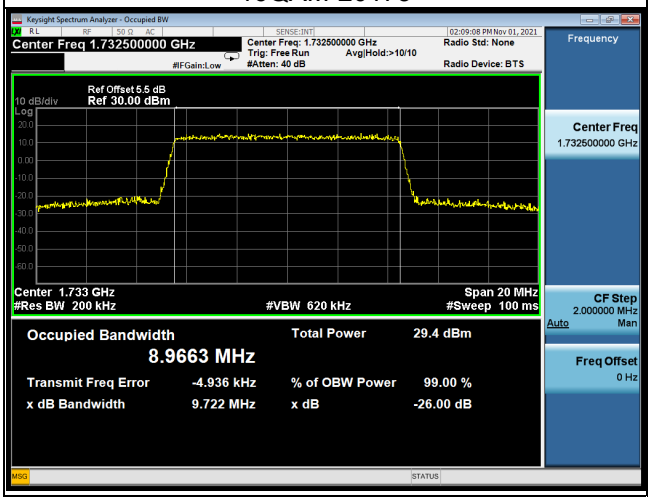
QPSK-20350



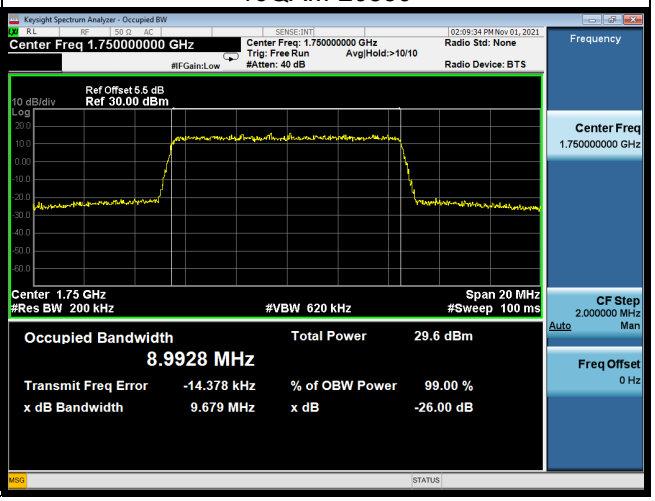
16QAM-20000

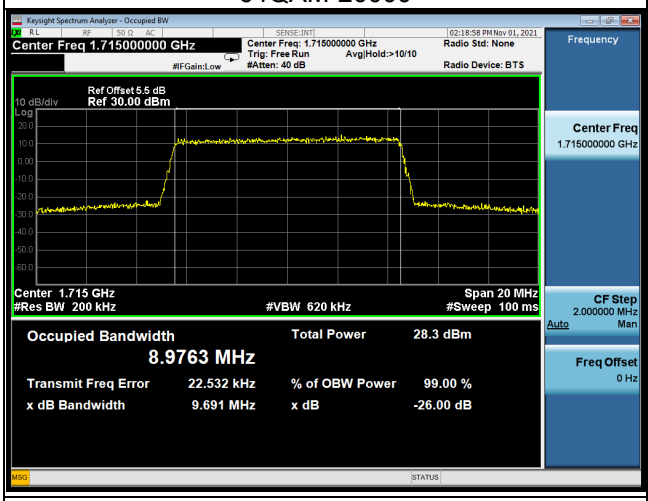
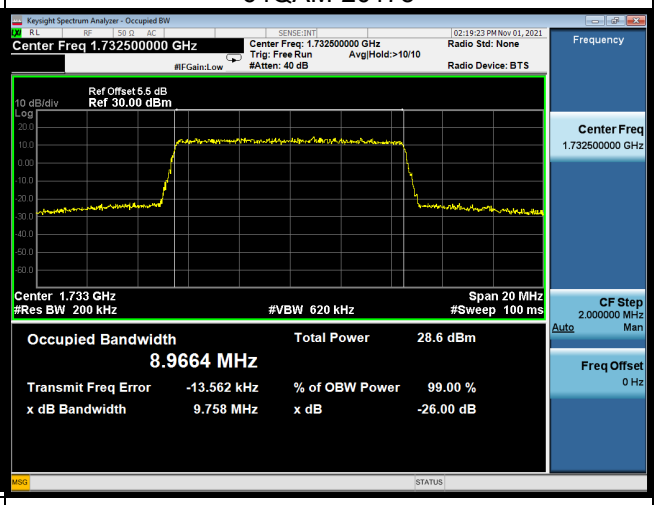


16QAM-20175



16QAM-20350



Spectrum Plot	
64QAM-20000	64QAM-20175
	
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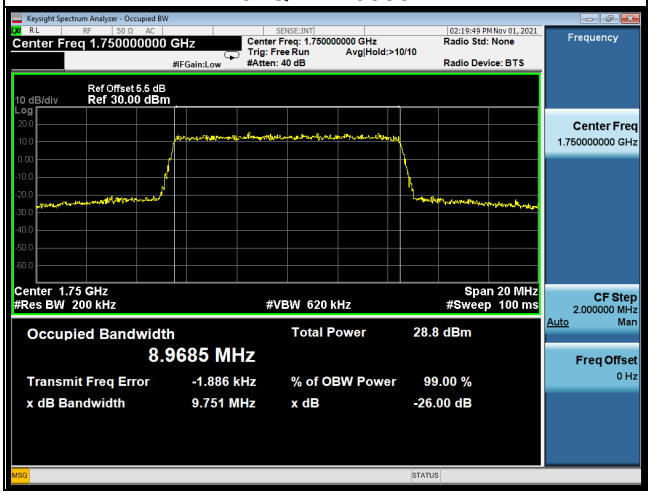
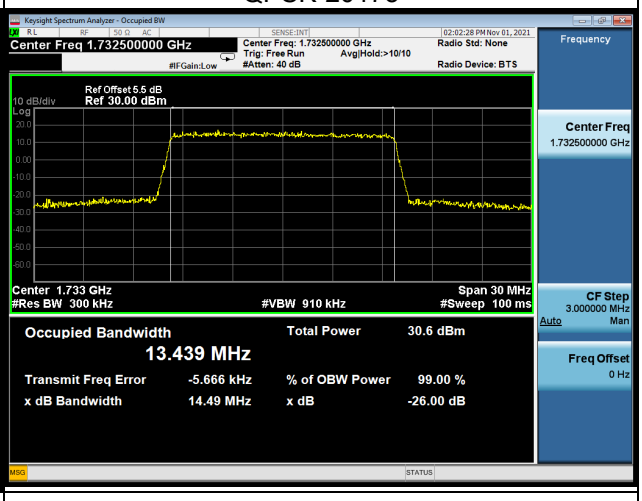
	-

LTE Band 4_15M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20025	1717.5	13.444	20025	1717.5	14.56
20175	1732.5	13.439	20175	1732.5	14.49
20325	1747.5	13.450	20325	1747.5	14.54
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20025	1717.5	13.471	20025	1717.5	14.55
20175	1732.5	13.450	20175	1732.5	14.62
20325	1747.5	13.465	20325	1747.5	14.60
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20025	1717.5	13.466	20025	1717.5	14.51
20175	1732.5	13.437	20175	1732.5	14.53
20325	1747.5	13.465	20325	1747.5	14.60

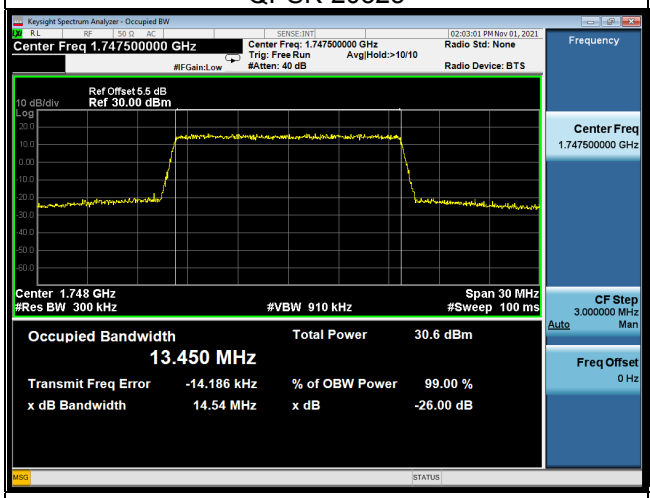
Spectrum Plot

QPSK-20025

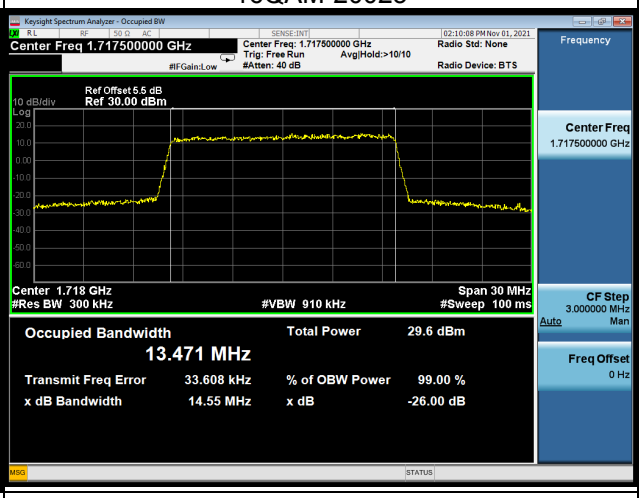
QPSK-20175



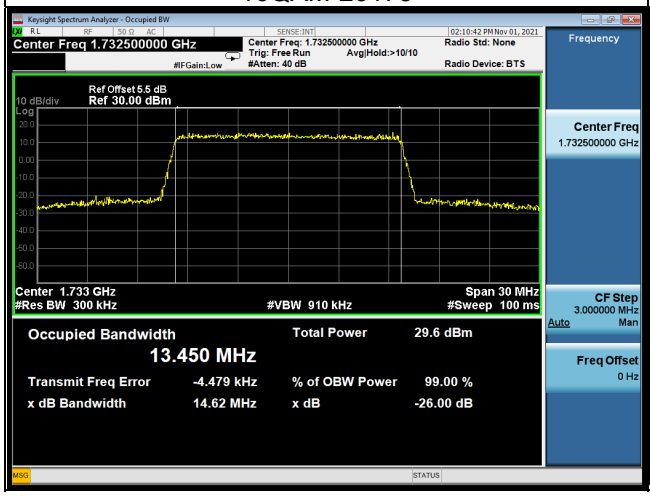
QPSK-20325



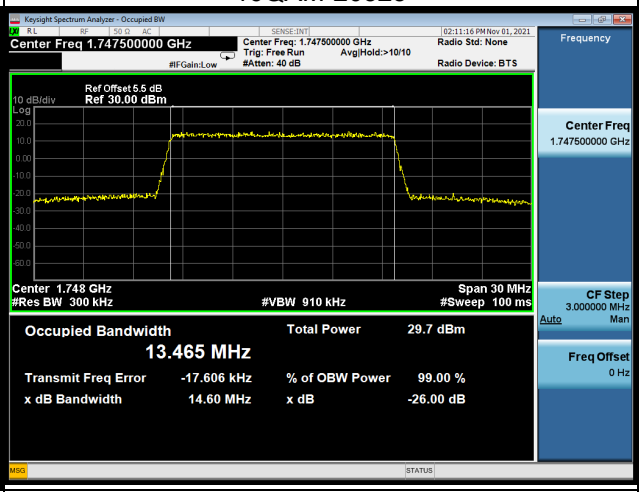
16QAM-20025

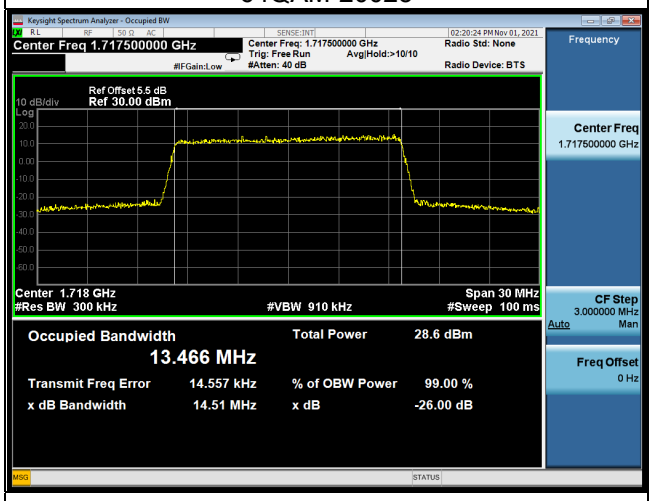
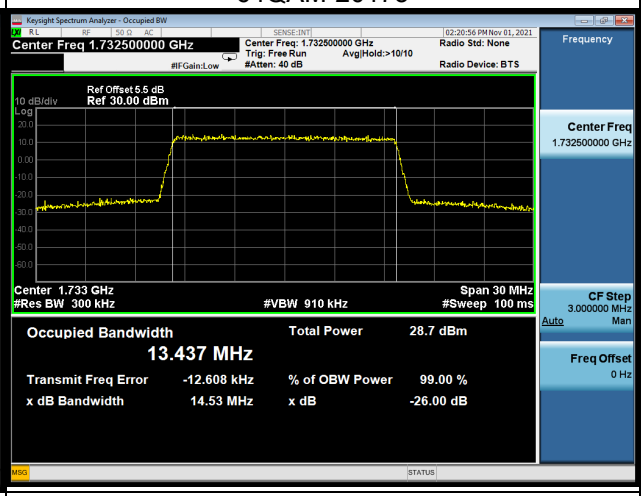
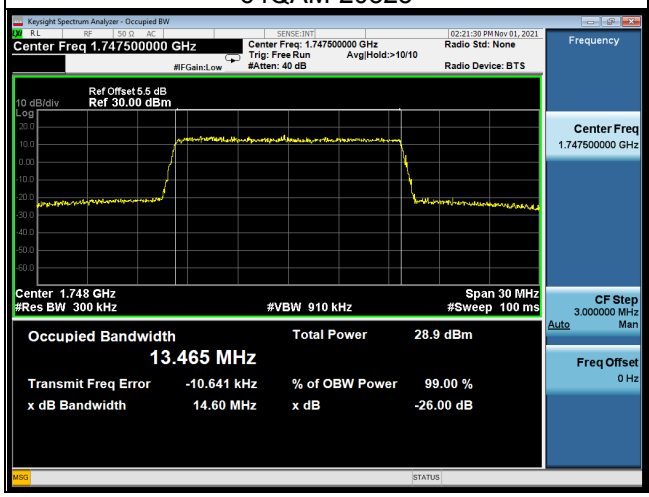


16QAM-20175



16QAM-20325



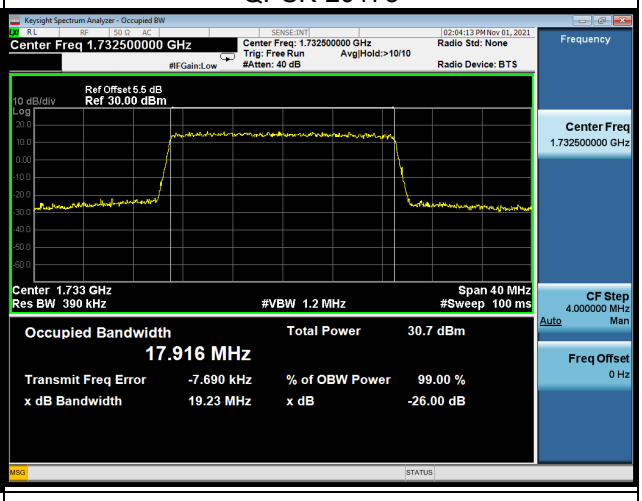
Spectrum Plot	
64QAM-20025	64QAM-20175
	
64QAM-20325	-
	-

LTE Band 4_20M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20050	1720	17.884	20050	1720	19.33
20175	1732.5	17.916	20175	1732.5	19.23
20300	1740	17.925	20300	1740	19.40
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20050	1720	17.919	20050	1720	19.27
20175	1732.5	17.901	20175	1732.5	19.24
20300	1740	17.935	20300	1740	19.22
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20050	1720	17.886	20050	1720	19.30
20175	1732.5	17.876	20175	1732.5	19.31
20300	1740	17.934	20300	1740	19.36

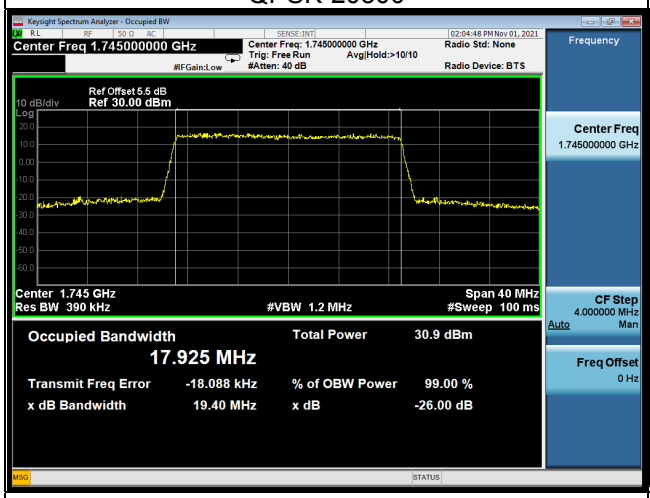
Spectrum Plot

QPSK-20050

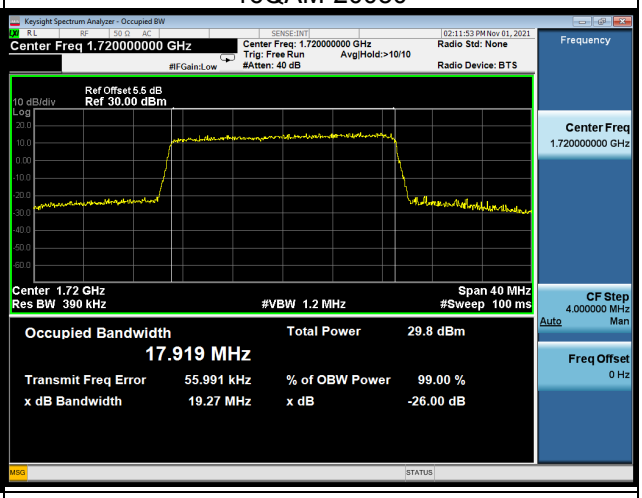
QPSK-20175



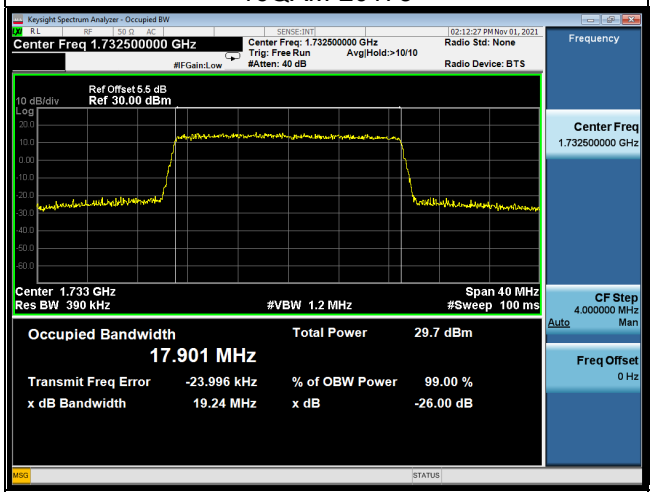
QPSK-20300



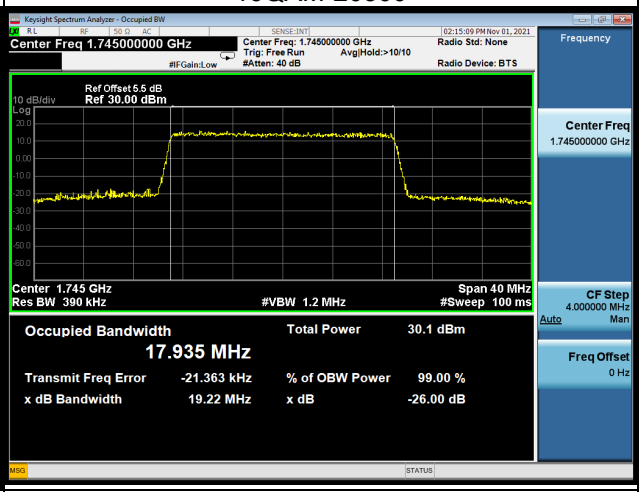
16QAM-20050

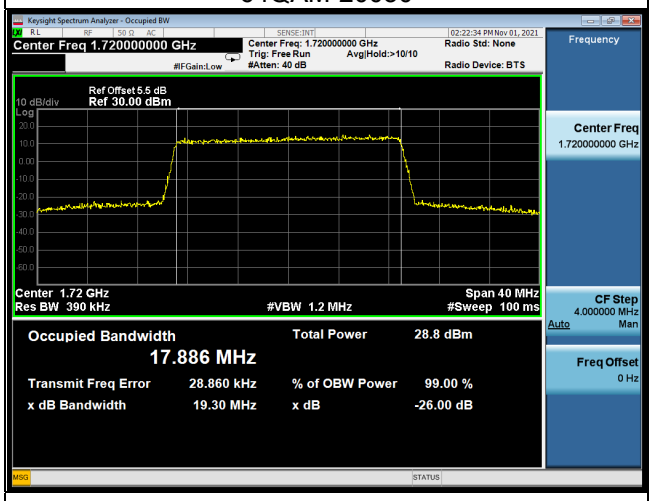
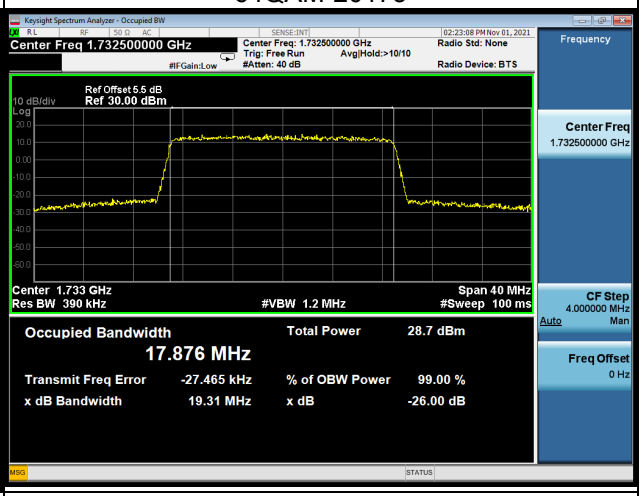
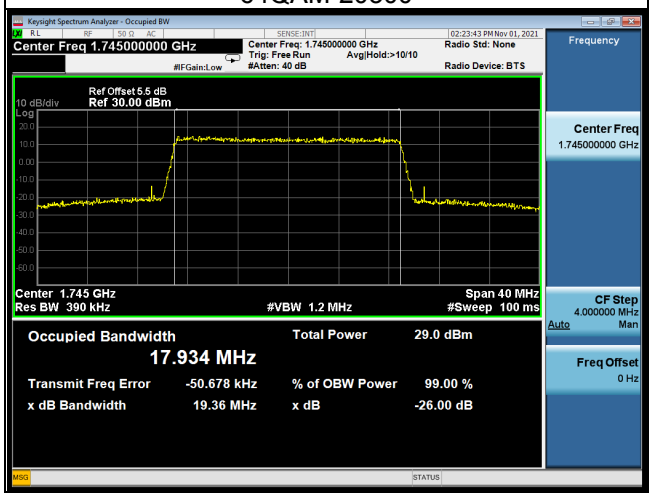


16QAM-20175



16QAM-20300

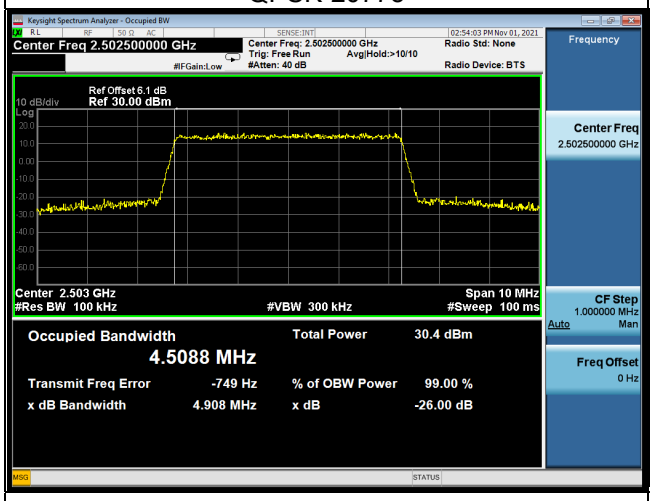


Spectrum Plot	
64QAM-20050	64QAM-20175
	
64QAM-20300	-
	-

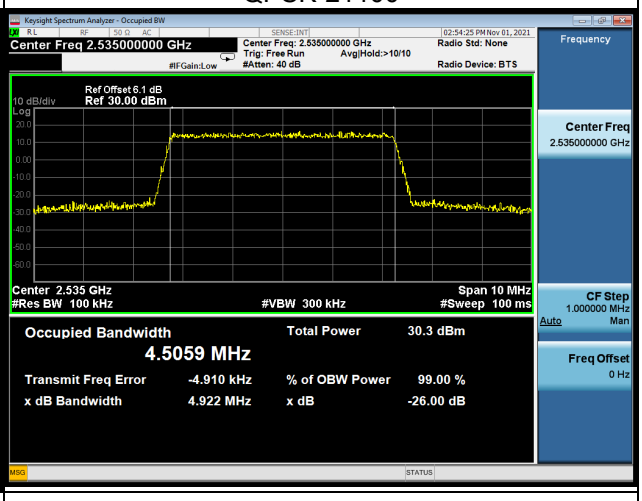
LTE Band 7_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20775	2502.5	4.5088	20775	2502.5	4.908
21100	2535	4.5059	21100	2535	4.922
21425	2567.5	4.5029	21425	2567.5	4.896
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20775	2502.5	4.4975	20775	2502.5	4.884
21100	2535	4.4937	21100	2535	4.911
21425	2567.5	4.4946	21425	2567.5	4.898
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20775	2502.5	4.5007	20775	2502.5	4.890
21100	2535	4.5092	21100	2535	4.914
21425	2567.5	4.4953	21425	2567.5	4.898

Spectrum Plot

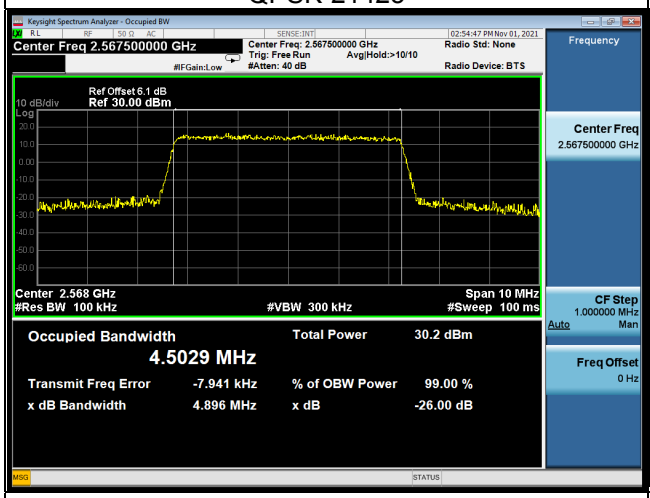
QPSK-20775



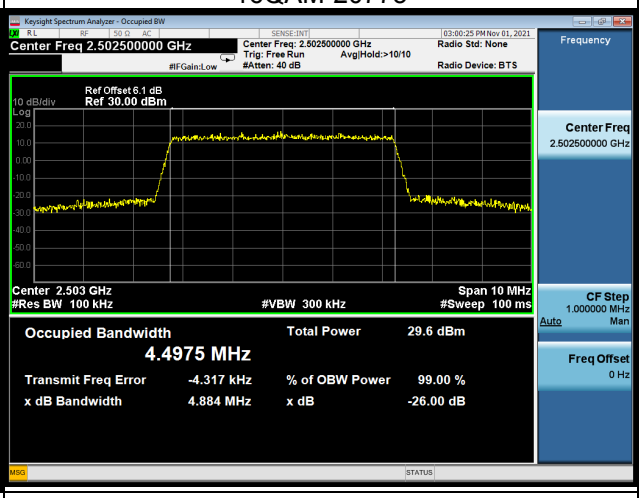
QPSK-21100



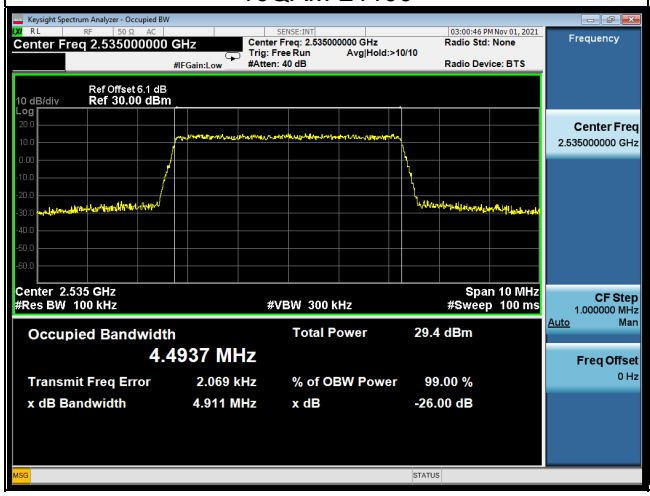
QPSK-21425



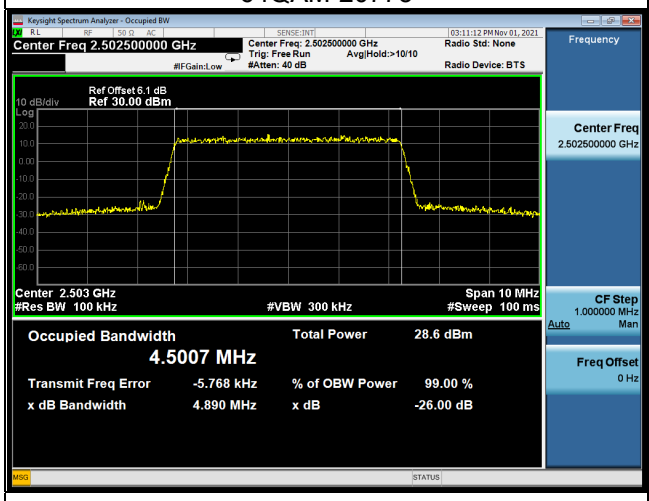
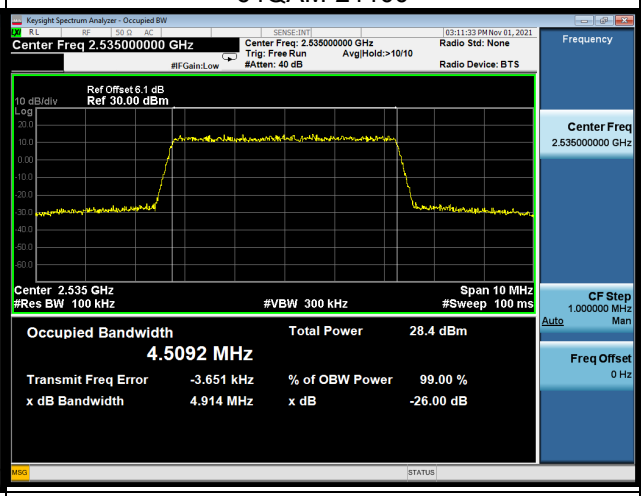
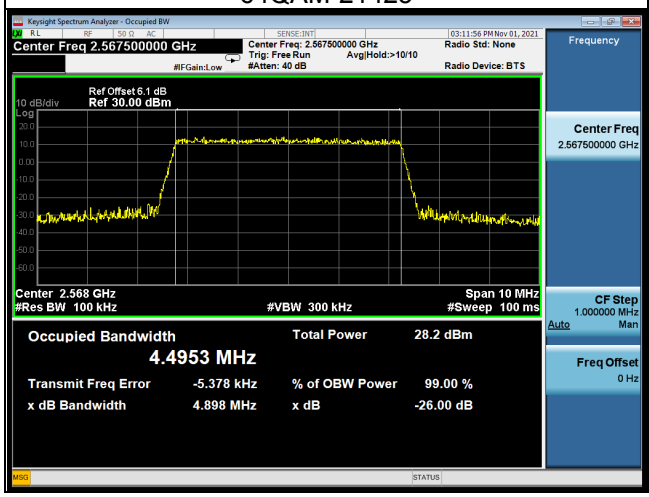
16QAM-20775



16QAM-21100



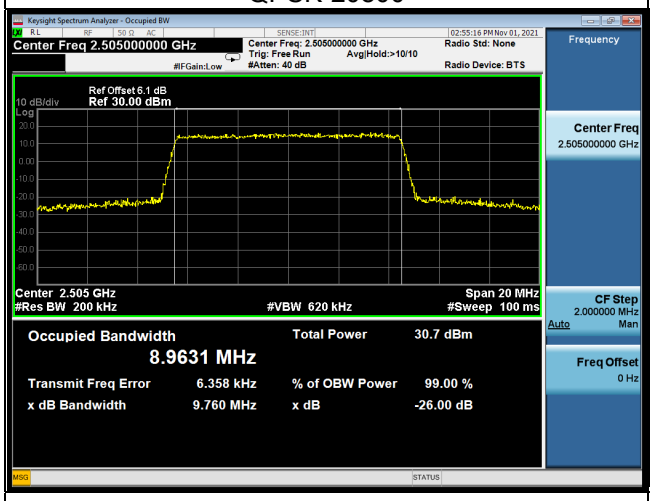
16QAM-21425

Spectrum Plot	
64QAM-20775	64QAM-21100
	
64QAM-21425	-
	-

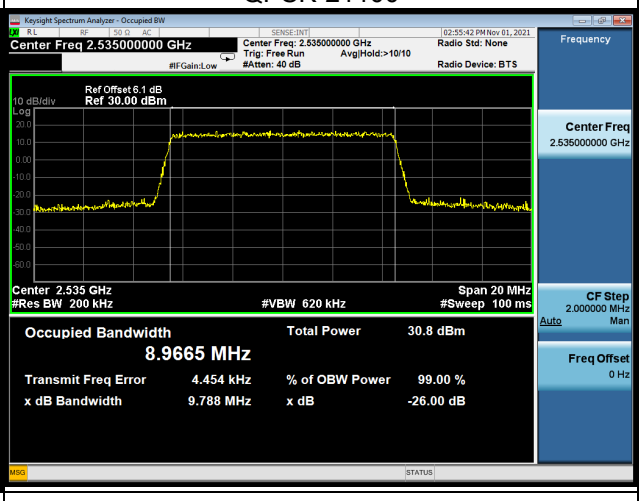
LTE Band 7_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20800	2505	8.9631	20800	2505	9.760
21100	2535	8.9665	21100	2535	9.788
21400	2565	8.9769	21400	2565	9.766
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20800	2505	8.9689	20800	2505	9.713
21100	2535	8.9797	21100	2535	9.726
21400	2565	8.9734	21400	2565	9.688
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20800	2505	8.9533	20800	2505	9.930
21100	2535	8.9747	21100	2535	9.773
21400	2565	8.9622	21400	2565	9.696

Spectrum Plot

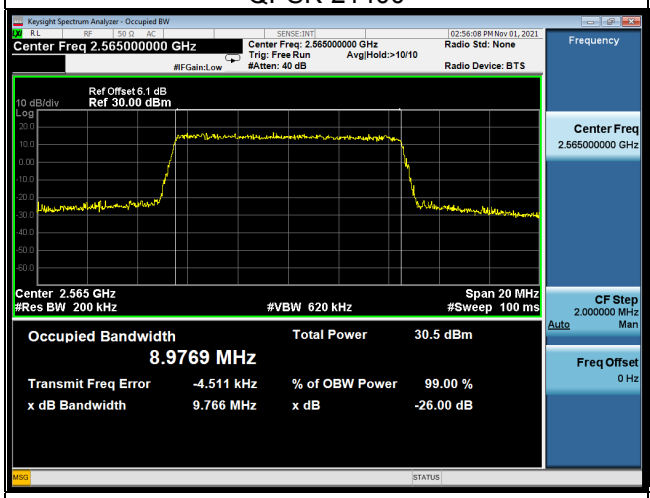
QPSK-20800



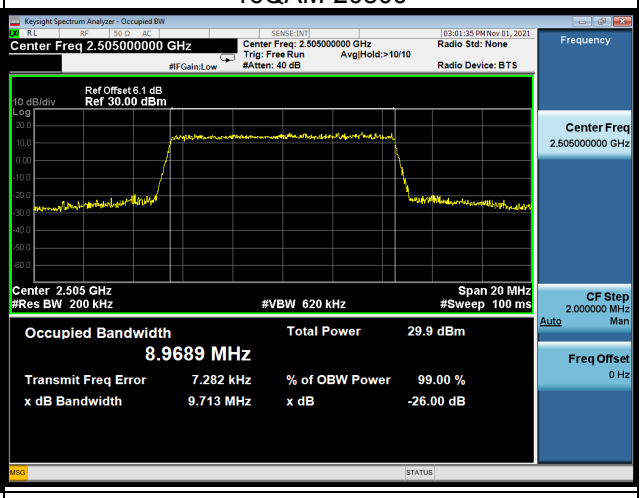
QPSK-21100



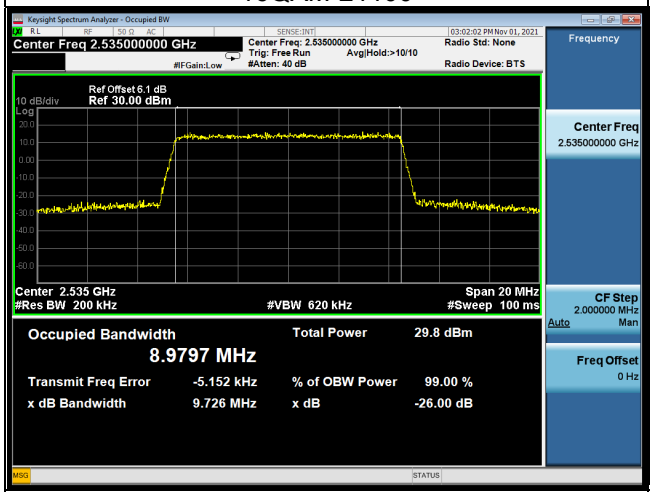
QPSK-21400



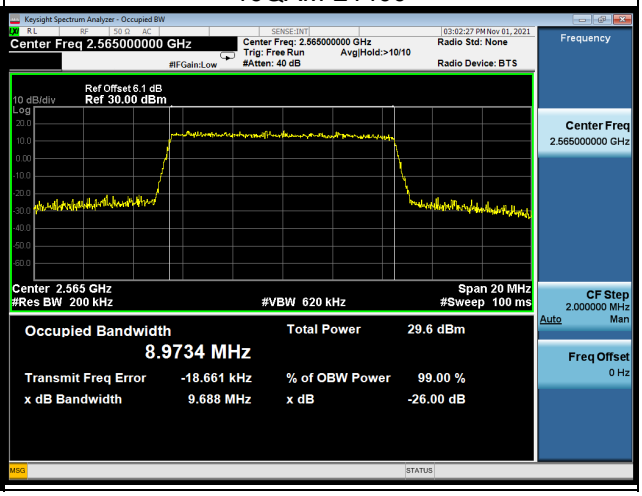
16QAM-20800

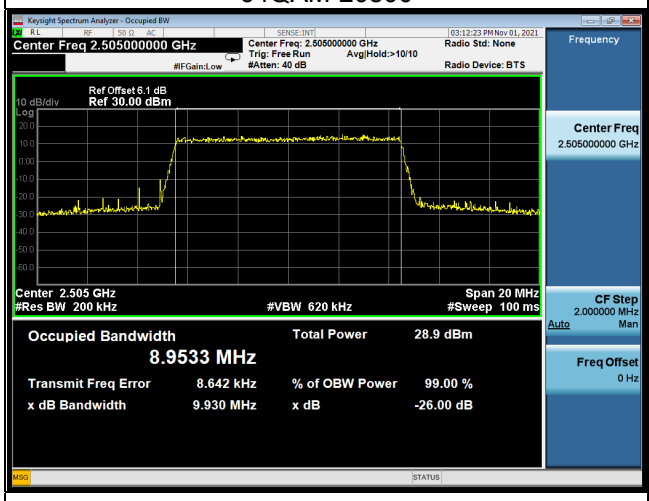
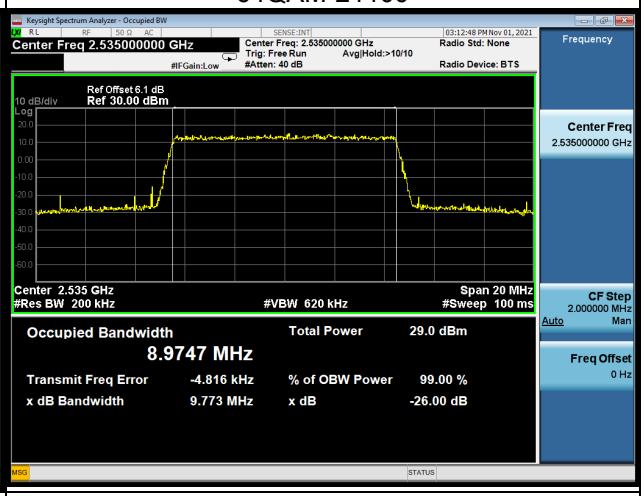


16QAM-21100



16QAM-21400



Spectrum Plot	
64QAM-20800	64QAM-21100
	
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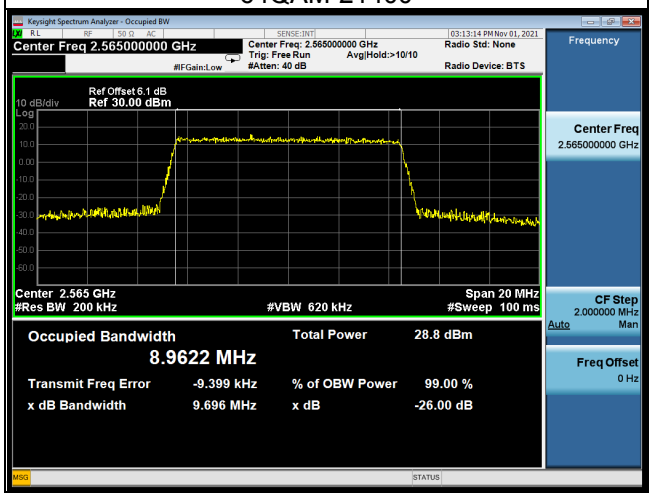
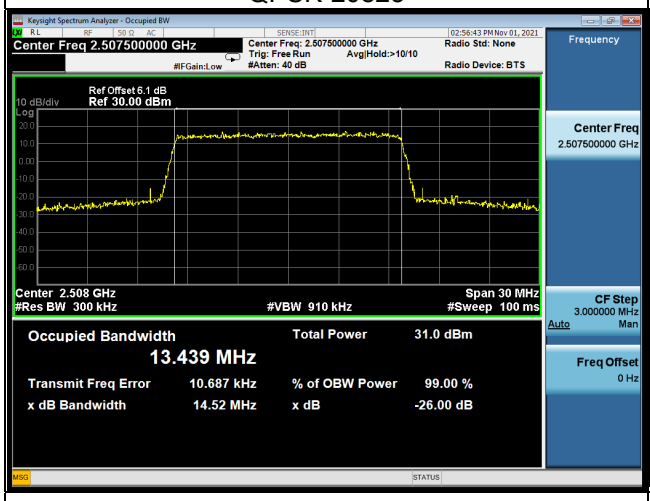
	-

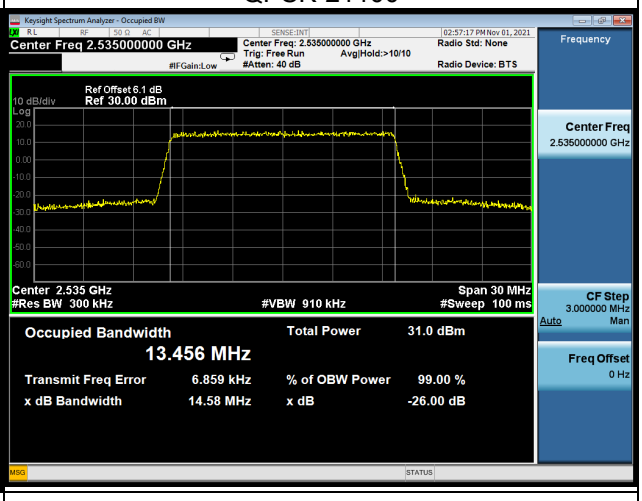
LTE Band 7_15M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20825	2507.5	13.439	20825	2507.5	14.52
21100	2535	13.456	21100	2535	14.58
21375	2562.5	13.397	21375	2562.5	14.48
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20825	2507.5	13.432	20825	2507.5	14.55
21100	2535	13.429	21100	2535	14.47
21375	2562.5	13.425	21375	2562.5	14.58
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20825	2507.5	13.427	20825	2507.5	14.52
21100	2535	13.462	21100	2535	14.77
21375	2562.5	13.438	21375	2562.5	14.50

Spectrum Plot

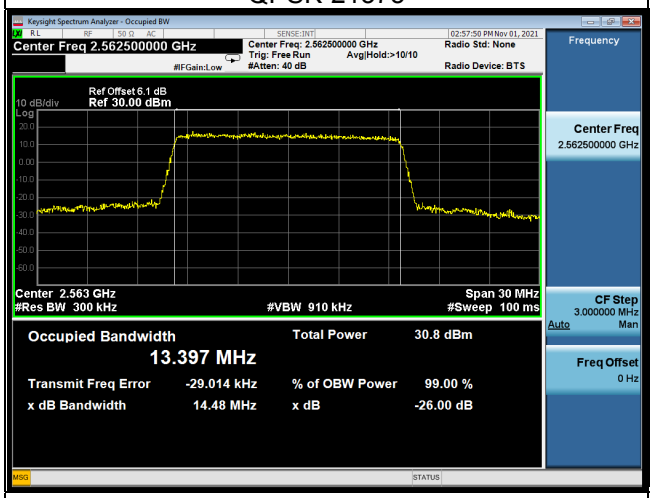
QPSK-20825



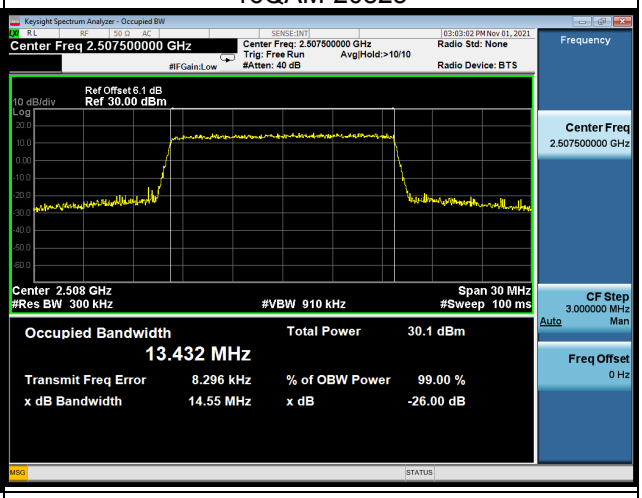
QPSK-21100



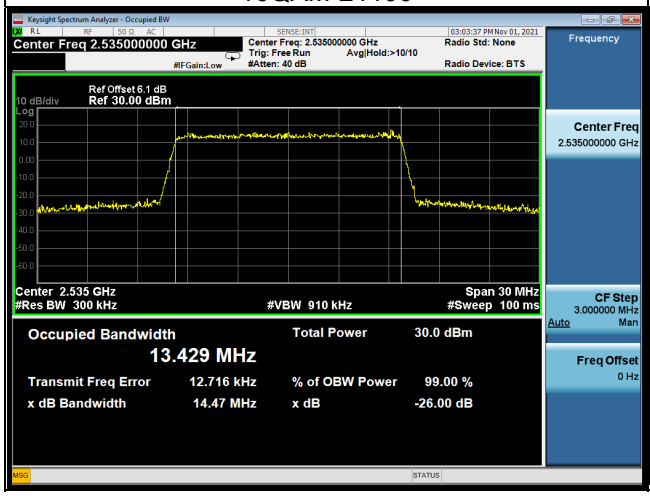
QPSK-21375



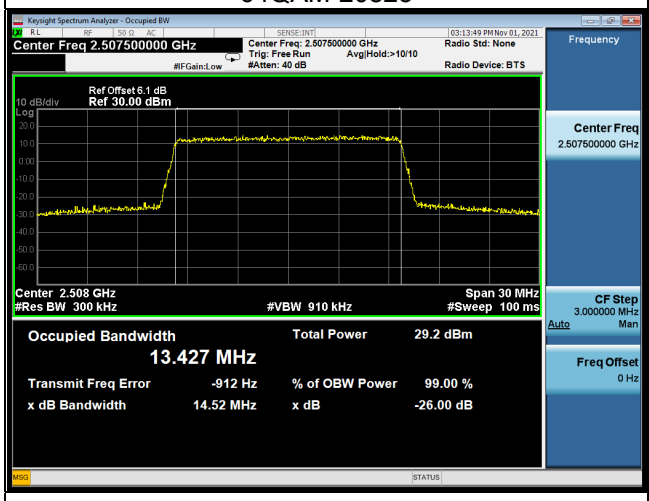
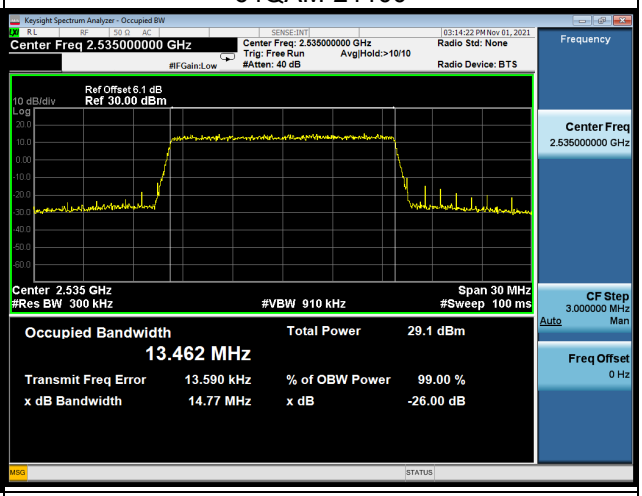
16QAM-20825



16QAM-21100



16QAM-21375

Spectrum Plot	
64QAM-20825	64QAM-21100
	
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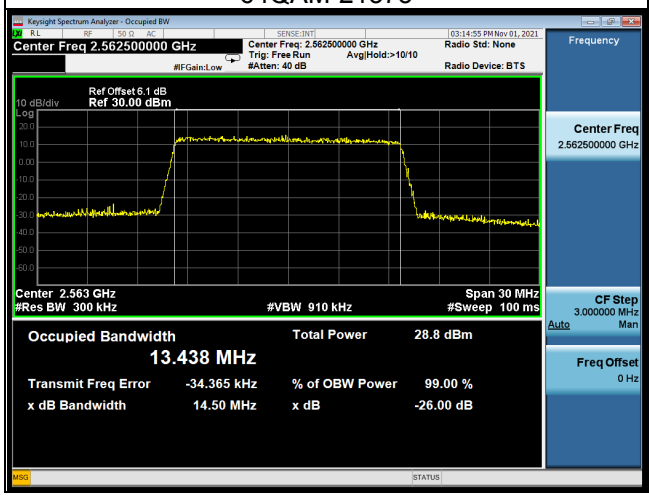
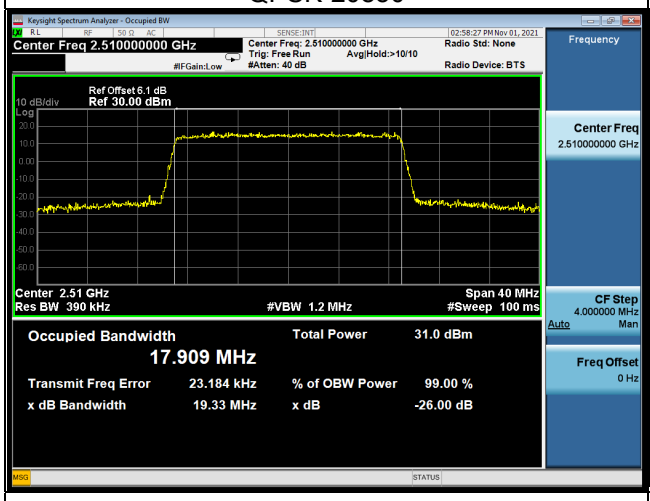
	-

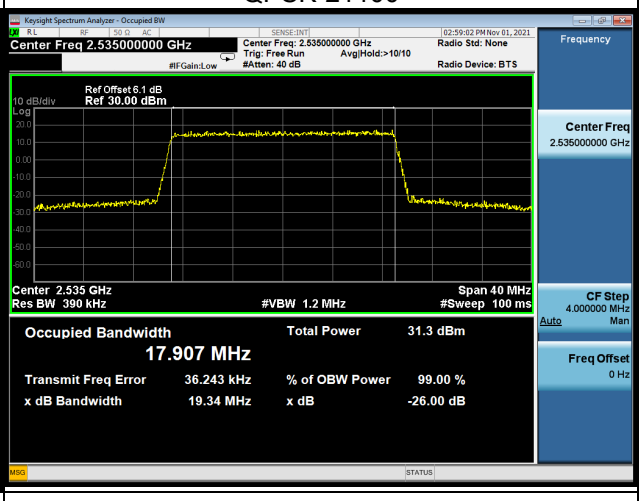
LTE Band 7_20M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20850	2510	17.909	20850	2510	19.33
21100	2535	17.907	21100	2535	19.34
21350	2560	17.865	21350	2560	19.28
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20850	2510	17.922	20850	2510	19.30
21100	2535	17.901	21100	2535	19.38
21350	2560	17.877	21350	2560	19.35
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20850	2510	17.897	20850	2510	19.28
21100	2535	17.946	21100	2535	19.30
21350	2560	17.881	21350	2560	19.31

Spectrum Plot

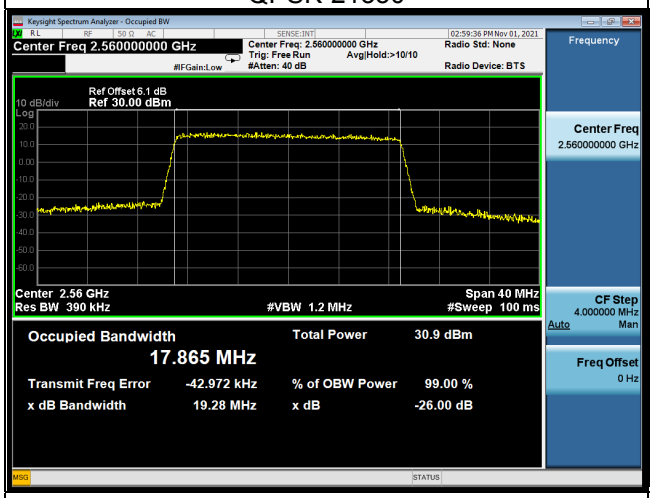
QPSK-20850



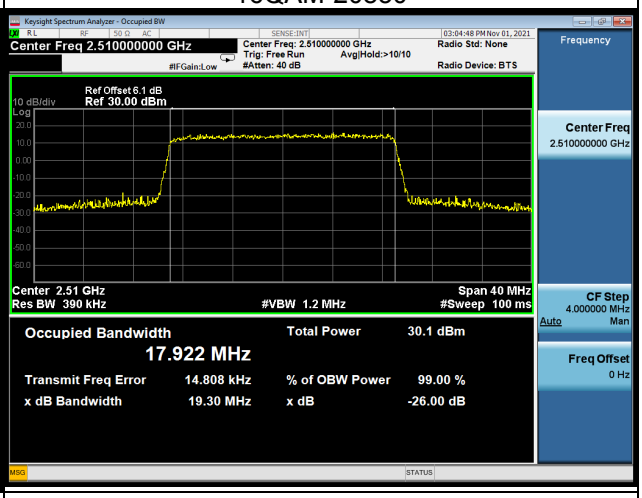
QPSK-21100



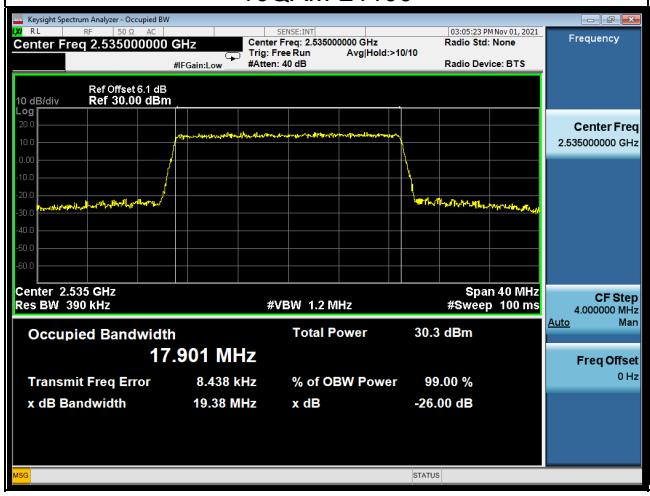
QPSK-21350



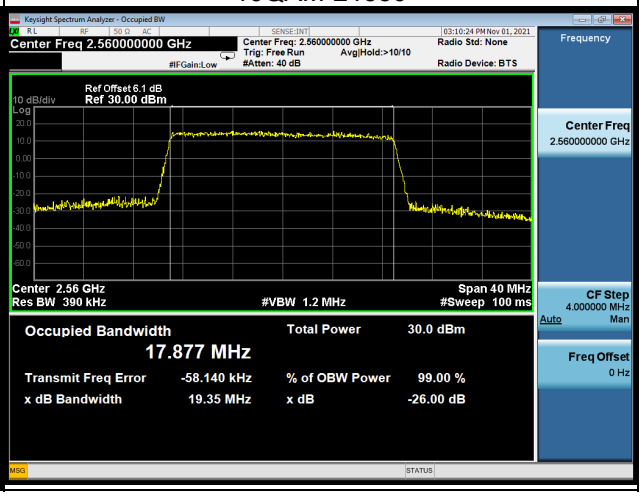
16QAM-20850

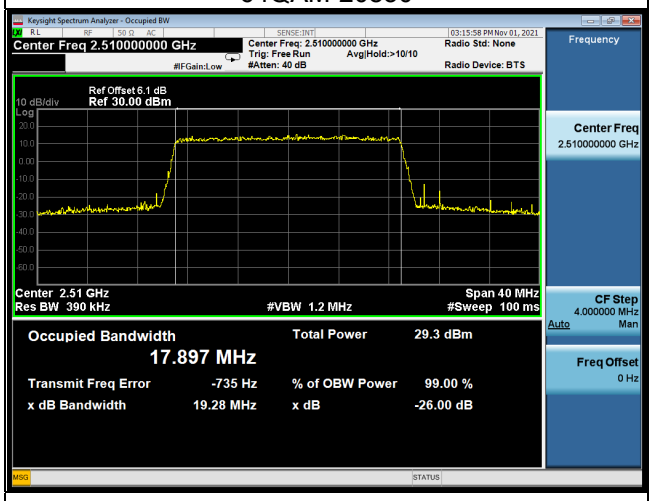
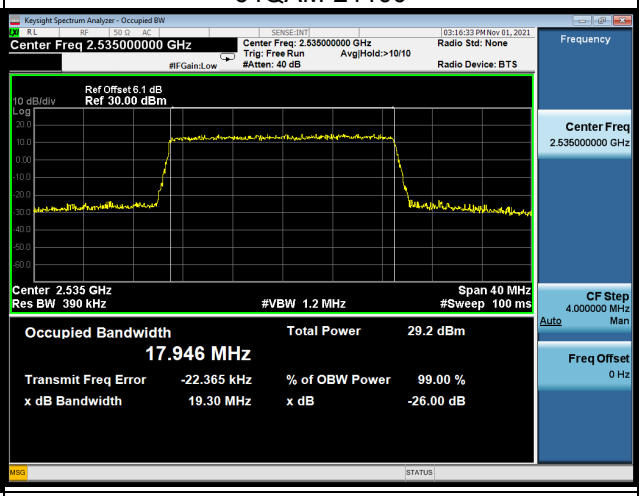
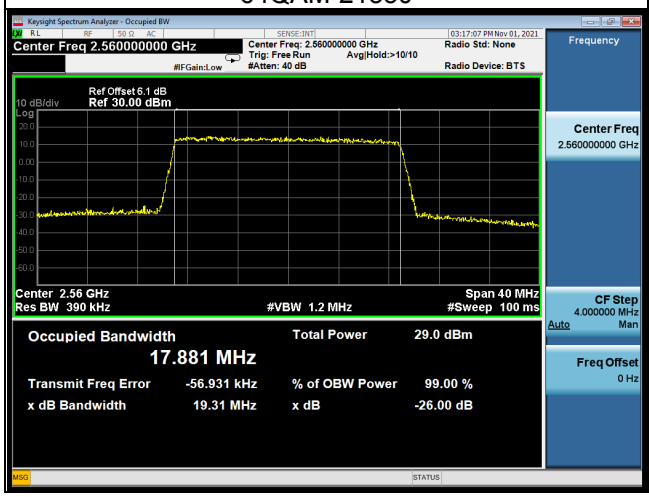


16QAM-21100



16QAM-21350

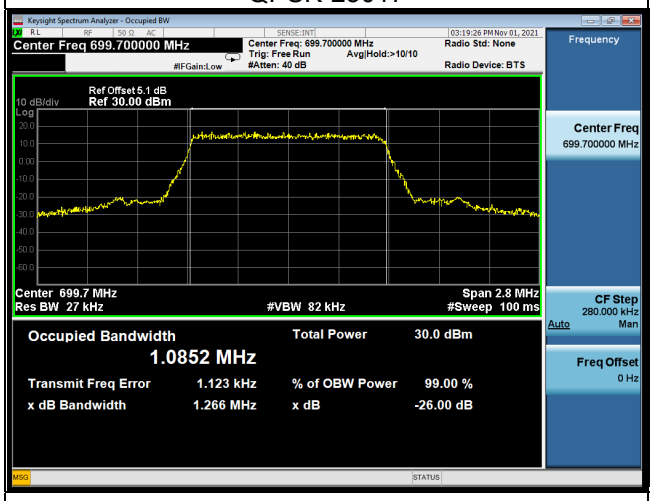


Spectrum Plot	
64QAM-20850	64QAM-21100
	
64QAM-21350	-
	-

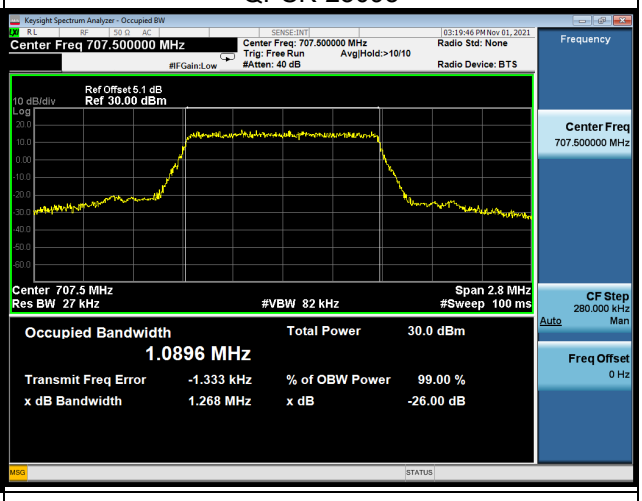
LTE Band 12_1.4M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23017	699.7	1.0852	23017	699.7	1.266
23095	707.5	1.0896	23095	707.5	1.268
23173	715.3	1.1005	23173	715.3	1.277
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23017	699.7	1.0926	23017	699.7	1.273
23095	707.5	1.0939	23095	707.5	1.292
23173	715.3	1.0862	23173	715.3	1.275
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23017	699.7	1.0825	23017	699.7	1.246
23095	707.5	1.0896	23095	707.5	1.270
23173	715.3	1.0873	23173	715.3	1.251

Spectrum Plot

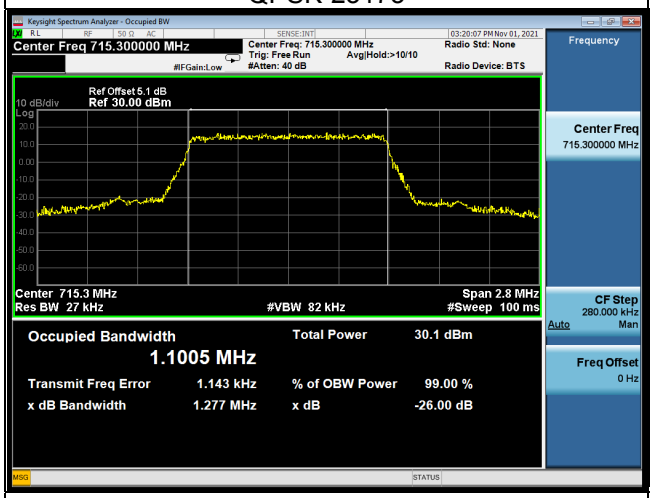
QPSK-23017



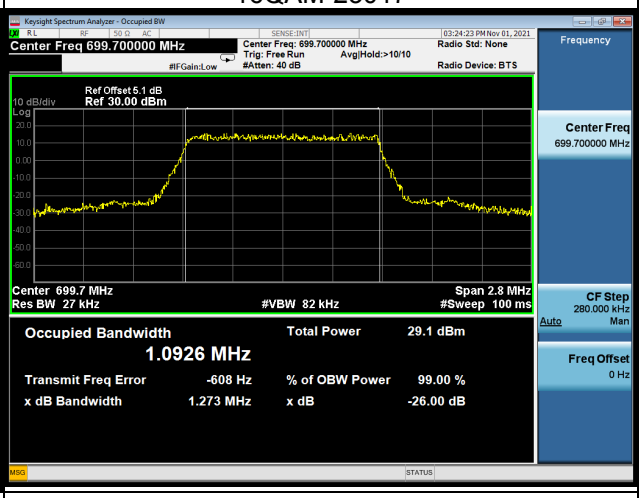
QPSK-23095



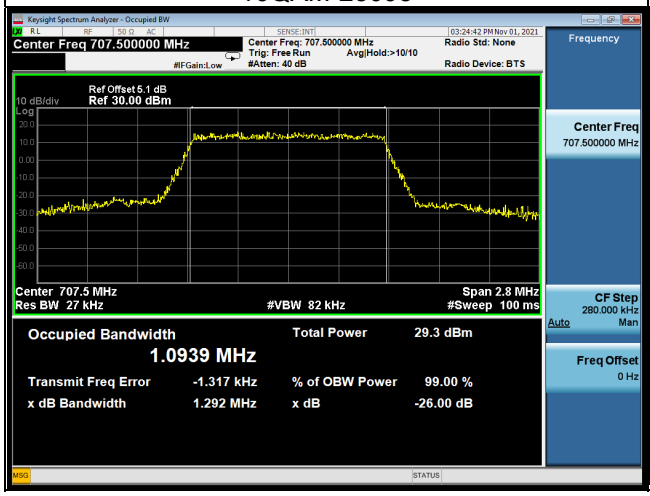
QPSK-23173



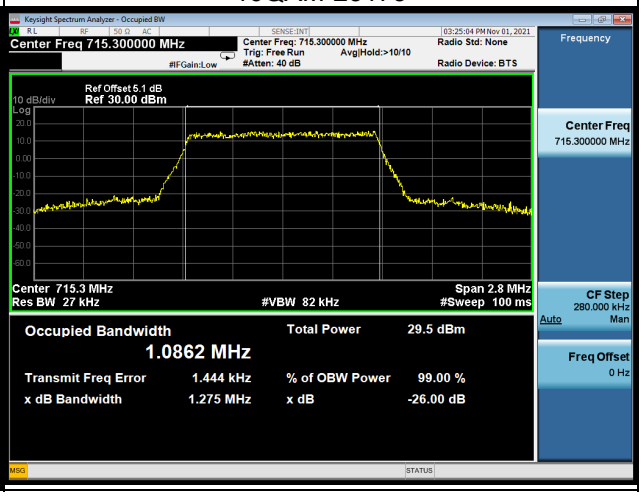
16QAM-23017

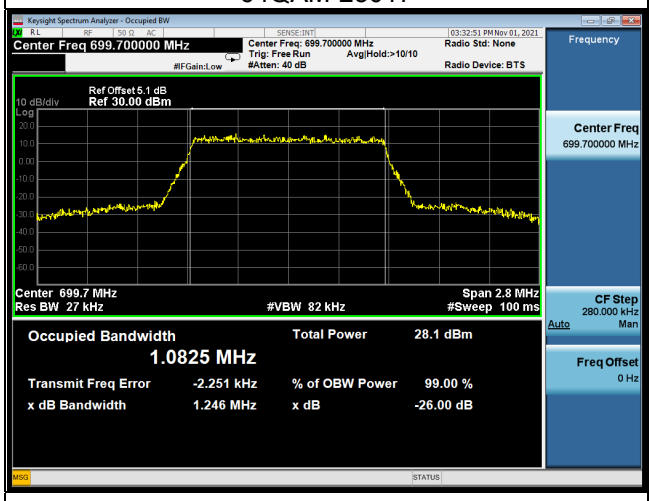
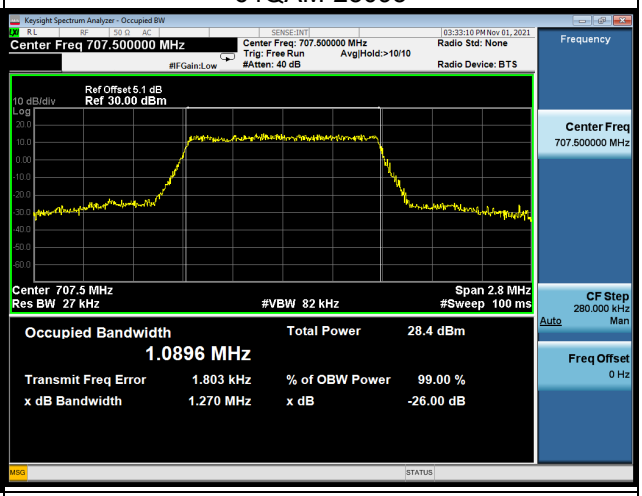
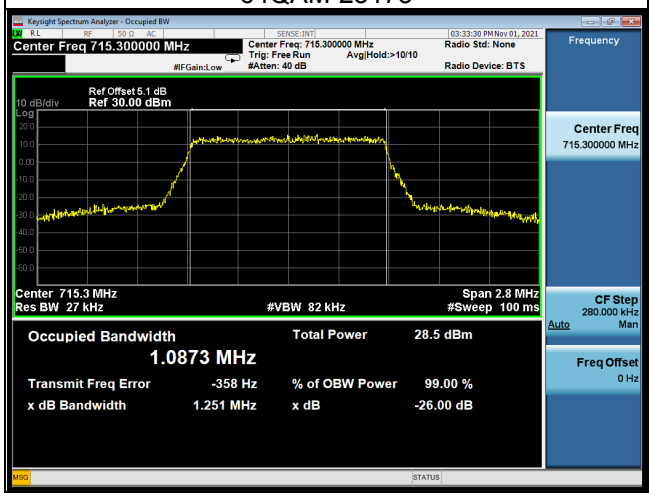


16QAM-23095



16QAM-23173

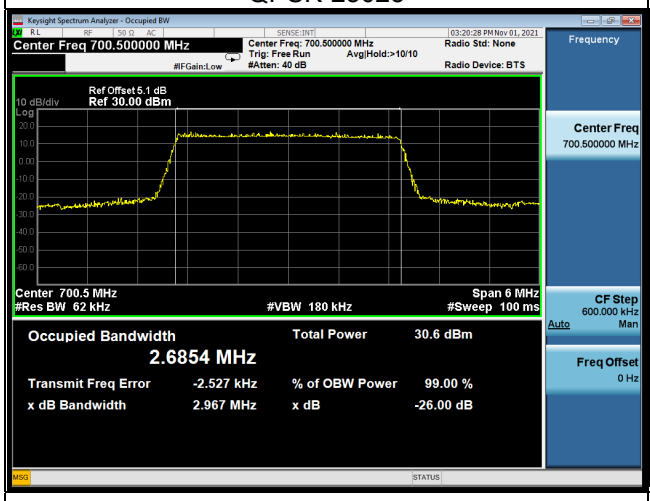


Spectrum Plot	
64QAM-23017	64QAM-23095
	
64QAM-23173	-
	-

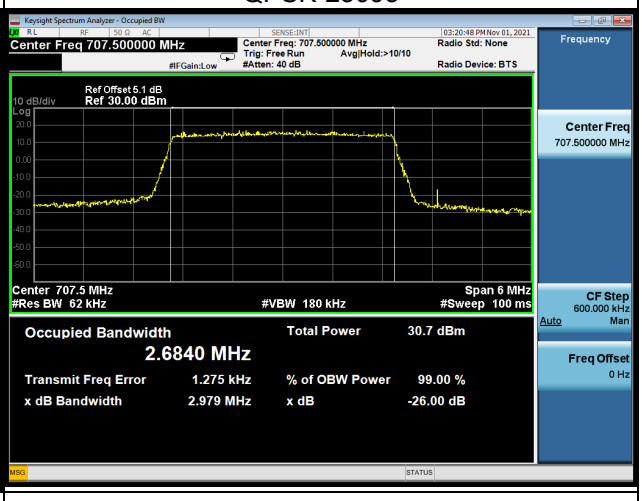
LTE Band 12_3M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23025	700.5	2.6854	23025	700.5	2.967
23095	707.5	2.6840	23095	707.5	2.979
23165	714.5	2.6885	23165	714.5	2.953
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23025	700.5	2.6908	23025	700.5	2.986
23095	707.5	2.6815	23095	707.5	2.958
23165	714.5	2.6876	23165	714.5	2.998
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23025	700.5	2.6948	23025	700.5	2.977
23095	707.5	2.6810	23095	707.5	2.955
23165	714.5	2.6867	23165	714.5	2.961

Spectrum Plot

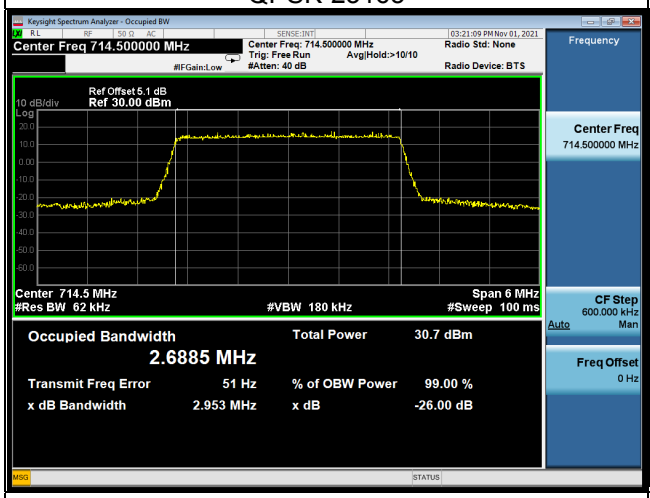
QPSK-23025



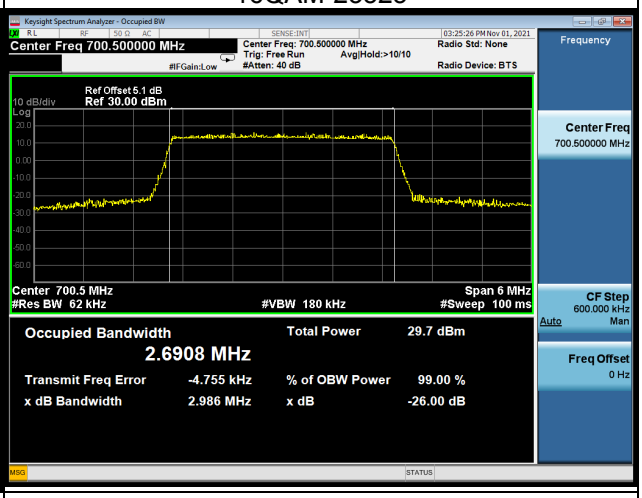
QPSK-23095



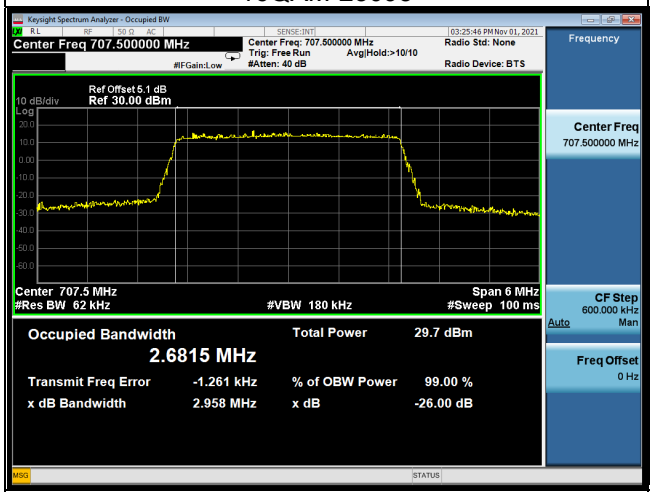
QPSK-23165



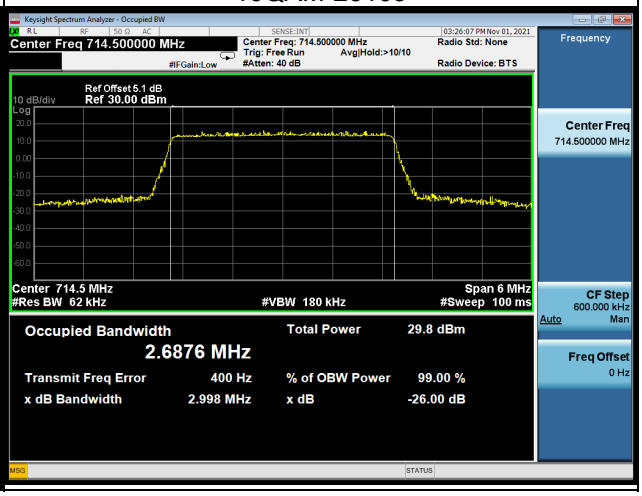
16QAM-23525

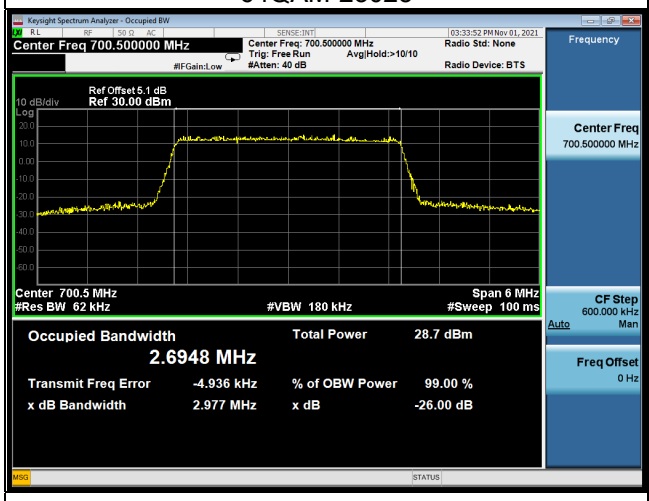
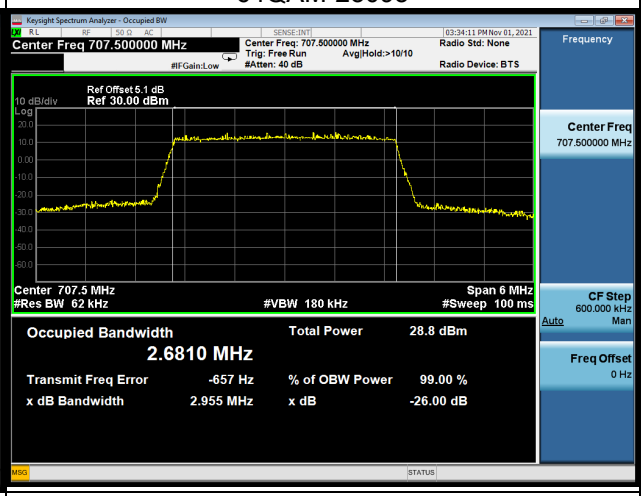
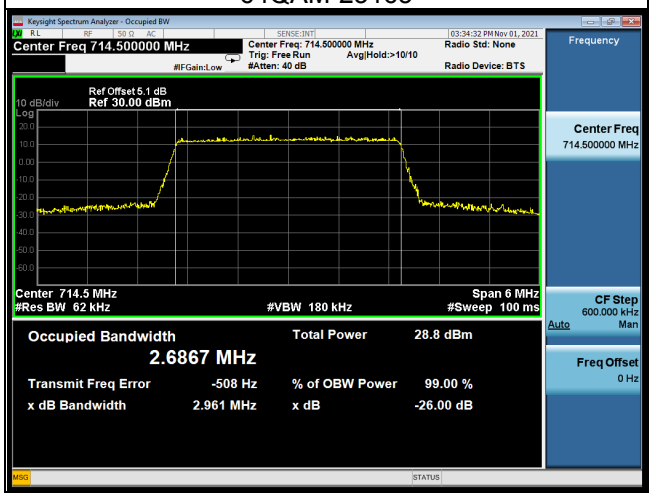


16QAM-23095



16QAM-23165

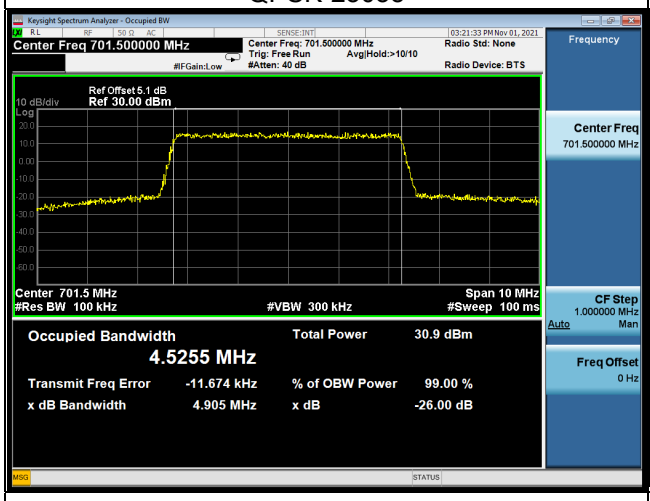


Spectrum Plot	
64QAM-23025	64QAM-23095
	
64QAM-23165	-
	-

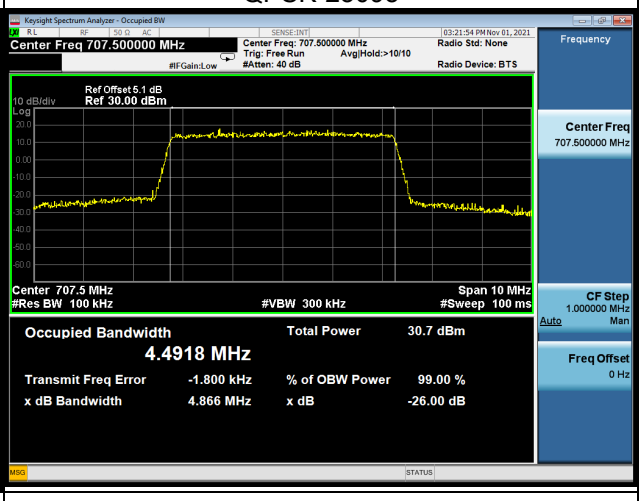
LTE Band 12_5M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23035	701.5	4.5255	23035	701.5	4.905
23095	707.5	4.4918	23095	707.5	4.866
23155	713.5	4.5072	23155	713.5	4.902
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23035	701.5	4.5045	23035	701.5	4.893
23095	707.5	4.4849	23095	707.5	4.874
23155	713.5	4.5009	23155	713.5	4.892
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23035	701.5	4.5022	23035	701.5	4.922
23095	707.5	4.4926	23095	707.5	4.889
23155	713.5	4.5091	23155	713.5	4.912

Spectrum Plot

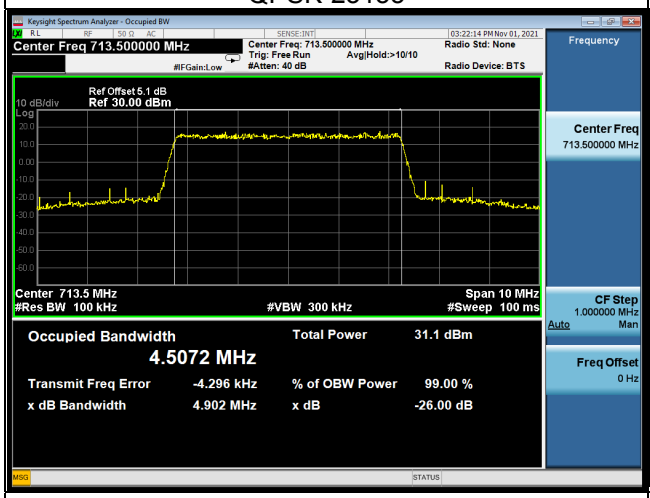
QPSK-23035



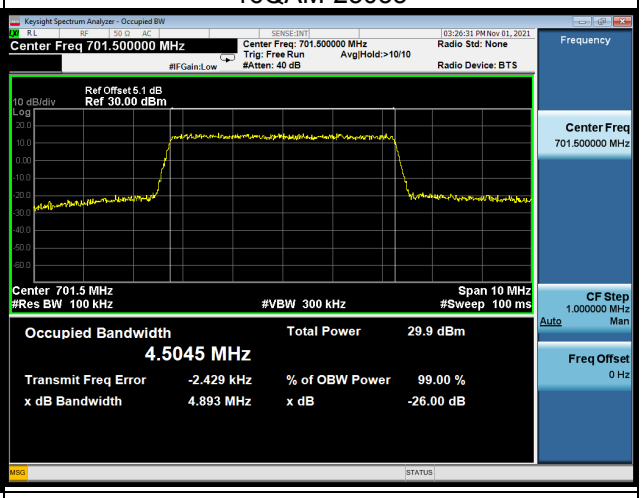
QPSK-23095



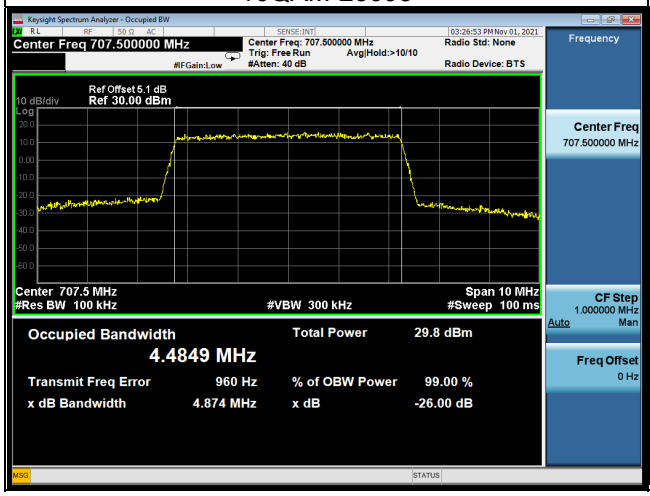
QPSK-23155



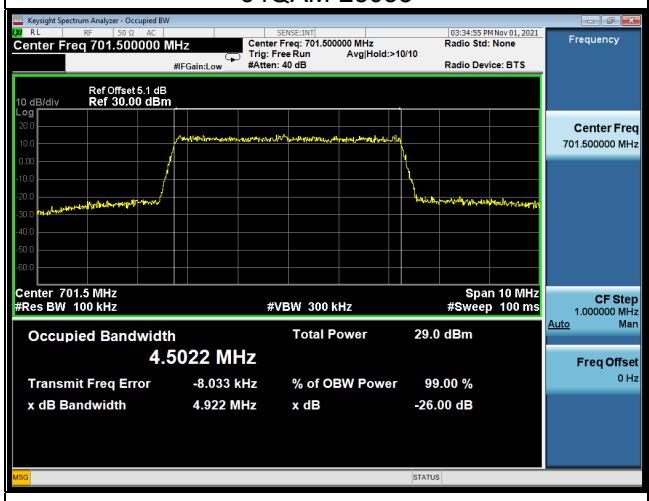
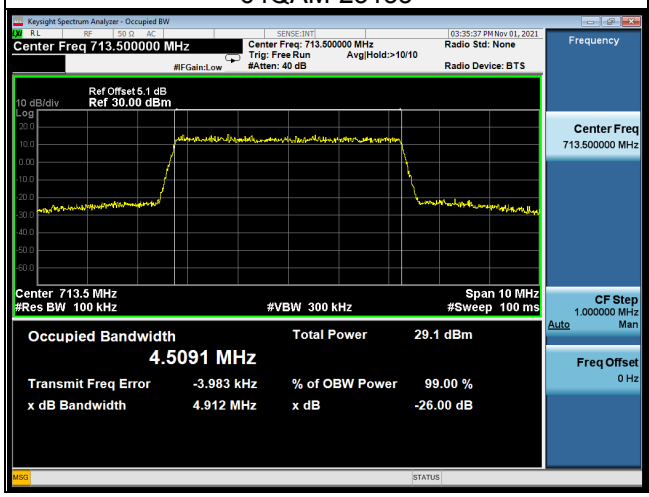
16QAM-23035



16QAM-23095



16QAM-23155

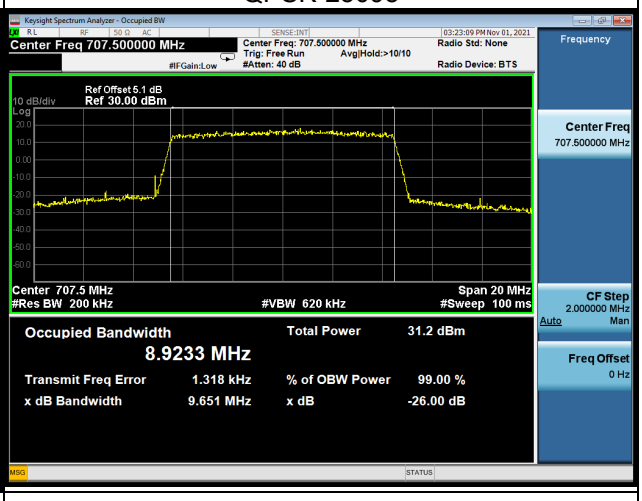
Spectrum Plot	
64QAM-23035	64QAM-23095
	
64QAM-23155	-
	-

LTE Band 12_10M					
QPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23060	704.0	8.9826	23060	704.0	9.801
23095	707.5	8.9233	23095	707.5	9.651
23130	711.0	8.9762	23130	711.0	9.722
16QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23060	704.0	8.9815	23060	704.0	9.718
23095	707.5	8.9194	23095	707.5	9.683
23130	711.0	8.9505	23130	711.0	9.729
64QAM					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23060	704.0	8.9830	23060	704.0	9.738
23095	707.5	8.9349	23095	707.5	9.630
23130	711.0	8.959	23130	711.0	9.644

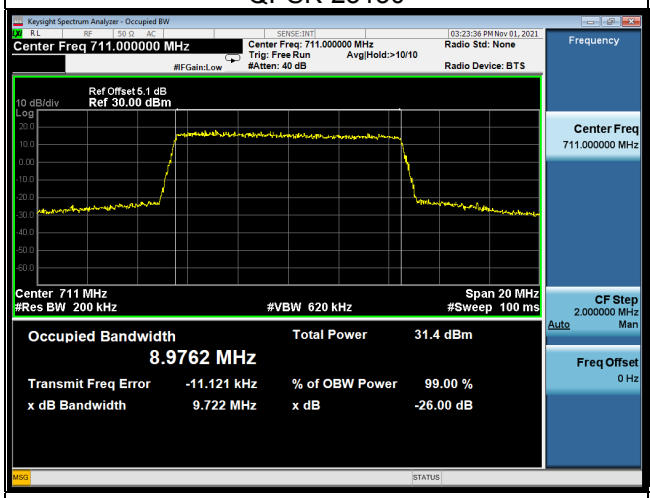
Spectrum Plot

QPSK-23060

QPSK-23095



QPSK-23130



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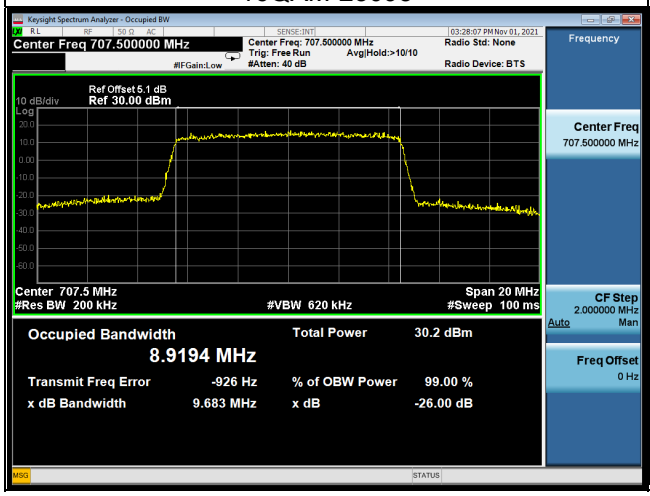

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