



CERTIFICATION TEST REPORT

Report Number. : 11785278-E1V2

Applicant : SONY MOBILE COMMUNICATIONS INC.
4-12-3 HIGASHI-SHINAGAWA,
SHINAGAWA -KU,TOKYO, 140-0002, JAPAN

FCC ID : PY7-76486N

EUT Description : GSM/WCDMA/LTE Phone with BT,DTS/UNII a/b/g/n/ac, GPS & NFC

Test Standard(s) : FCC CFR47 PART 22 SUBPART H
FCC CFR47 PART 24 SUBPART E
FCC CFR47 PART 27 SUBPART F, H, L, and M

Date Of Issue:

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NVLAP LAB CODE 200065-0

Revision History

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SONY MOBILE COMMUNICATIONS, INC.
4-12-3 HIGASHI-SHINAGAWA,
SHINAGAWA –KU, TOKYO, 140-0002, JAPAN

EUT DESCRIPTION: GSM/WCDMA/LTE PHONE with BT, DTS/UNII a/b/g/n/ac, GPS & NFC

SERIAL NUMBER: BH90013E80, BH90013680, BH9000W780, BH90011L80

DATE TESTED: June 22 – July 7, 2017

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 22H, 24E, 27H, 27F, 27L, 27M	PASS

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with TIA-603-D, FCC CFR 47 Part 2, FCC KDB 971168 D01 v02r02, Part 22, Part 24, and Part 27.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, Fremont, California, USA. Line conducted emissions are measured only at the 47173 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

47173 Benicia Street	47266 Benicia Street
<input type="checkbox"/> Chamber A(IC: 2324B-1)	<input type="checkbox"/> Chamber D(IC: 22541-1)
<input type="checkbox"/> Chamber B(IC: 2324B-2)	<input type="checkbox"/> Chamber E(IC: 22541-2)
<input checked="" type="checkbox"/> Chamber C(IC: 2324B-3)	<input type="checkbox"/> Chamber F(IC: 22541-3)
	<input type="checkbox"/> Chamber G(IC: 22541-4)
	<input type="checkbox"/> Chamber H(IC: 22541-5)

The above test sites and facilities are covered under FCC Test Firm Registration # 208313.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0.

Chambers A through C are covered under Industry Canada company address code 2324B with site numbers 2324B -1 through 2324B-3, respectively. Chambers D through H are covered under Industry Canada company address code 22541 with site numbers 22541 -1 through 22541-5, respectively.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$EIRP = \text{PSA reading with EUT worst orientation (dBm)} + \text{Path loss (dB)} - \text{cable loss (between the SG and substitution antenna)} + \text{Substitution Antenna Factor (dBi)}$

$ERP = \text{PSA reading with EUT worst orientation (dBm)} + \text{Path loss (dB)} - \text{cable loss (between the SG and substitution antenna)}$

(Path loss = Signal generator output – PSA reading with substitution antenna)

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Occupied Channel Bandwidth	±1.1 %
RF output power, conducted	±0.35 dB
Power Spectral Density, conducted	±0.39 dB
Unwanted Emissions, conducted	±2.9 dB
All emissions, radiated	±5.36 dB
Temperature	±0.9 °C
Humidity	±2.26% RH
Supply Voltages	±0.45 %
Time	±0.2 %

Uncertainty figures are valid to a confidence level of 95%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

This EUT is a GSM/WCDMA/LTE PHONE + BLUETOOTH, DTS/UNII a/b/g/n/ac, GPS & NFC.

6. MAXIMUM OUTPUT POWER

6.1. MAXIMUM OUTPUT POWER (GSM/EGPRS)

The transmitter has a maximum peak conducted and ERP / EIRP output powers as follows:

FCC Part 22/24						
Band	Frequency Range(MHz)	Modulation	Conducted (Average)		ERP/EIRP (Average)	
			AVG(dBm)	AVG(mW)	dBm	mW
850	824~849	GPRS	33.4	2187.76	25.0	316.23
	824~849	EGPRS	27.5	562.34	19.1	81.28
1900	1850~1910	GPRS	30.3	1071.52	28.2	660.69
	1850~1910	EGPRS	26.2	416.87	24.1	257.04

6.2. MAXIMUM OUTPUT POWER (WCDMA)

The transmitter has a maximum peak conducted and ERP / EIRP output powers as follows:

FCC Part 22/24/27						
Band	Frequency Range(MHz)	Modulation	Conducted (Average)		ERP/EIRP (Average)	
			AVG(dBm)	AVG(mW)	dBm	mW
Band 2	1850~1910	REL99	24.7	295.12	22.6	181.97
	1850~1910	HSDPA	23.9	245.47	21.8	151.36
	1850~1910	HSUPA	23.6	229.09	22.1	162.18
Band 4	1710~1755	REL99	24.3	269.15	21.6	144.54
	1710~1755	HSDPA	23.5	223.87	20.8	120.23
	1710~1755	HSUPA	23.3	213.80	20.1	102.33
Band 5	824~849	REL99	24.0	251.19	15.4	34.67
	824~849	HSDPA	23.0	199.53	14.5	28.18
	824~849	HSUPA	22.8	190.55	14.8	30.20

6.3. MAXIMUM OUTPUT POWER (LTE)

The transmitter has a maximum peak conducted and ERP/EIRP output powers as follows:

LTE Band 5

FCC Part 90							
Band	Frequency Range(MHz)	BandWidth (MHz)	Modulation	Conducted (Average)		ERP (Average)	
				AVG(dBm)	AVG(mW)	dBm	mW
LTE5	824~849	1.4MHz	QPSK	24.6	287.74	16.1	40.74
			16QAM	23.9	246.60	15.4	34.67
		3MHz	QPSK	24.7	295.12	16.2	41.69
			16QAM	24.0	250.61	15.5	35.48
		5MHz	QPSK	24.7	297.85	16.3	42.66
			16QAM	24.0	251.19	15.6	36.31
		10MHz	QPSK	24.7	297.85	16.3	42.66
			16QAM	24.0	251.19	15.6	36.31

LTE Band 7

FCC Part 27							
Band	Frequency Range(MHz)	BandWidth (MHz)	Modulation	Conducted (Average)		EIRP (Average)	
				AVG(dBm)	AVG(mW)	dBm	mW
LTE7	2500~2570	5MHz	QPSK	24.5	280.54	21.4	138.04
			16QAM	24.0	251.19	20.9	123.03
		10MHz	QPSK	24.7	294.44	21.6	144.54
			16QAM	23.9	247.17	20.8	120.23
		15MHz	QPSK	24.6	289.73	21.5	141.25
			16QAM	23.9	245.47	20.8	120.23
		20MHz	QPSK	24.7	297.85	21.6	144.54
			16QAM	24.0	251.19	20.9	123.03

LTE Band 12

FCC Part 27							
Band	Frequency Range(MHz)	BandWidth (MHz)	Modulation	Conducted (Average)		ERP (Average)	
				AVG(dBm)	AVG(mW)	dBm	mW
LTE12	699~716	1.4MHz	QPSK	24.6	288.40	15.3	33.88
			16QAM	23.8	239.88	14.5	28.18
		3MHz	QPSK	24.7	295.12	15.4	34.67
			16QAM	24.0	251.19	14.7	29.51
		5MHz	QPSK	24.8	302.00	15.4	34.67
			16QAM	24.0	251.19	14.7	29.51
		10MHz	QPSK	24.8	304.09	15.5	35.48
			16QAM	24.0	251.19	14.7	29.51

LTE Band 13

FCC Part 27							
Band	Frequency Range(MHz)	BandWidth (MHz)	Modulation	Conducted (Average)		ERP (Average)	
				AVG(dBm)	AVG(mW)	dBm	mW
LTE13	777~787	5MHz	QPSK	23.7	233.35	16.6	45.71
			16QAM	22.7	187.07	15.7	37.15
		10MHz	QPSK	23.6	230.67	16.6	45.71
			16QAM	22.7	185.78	15.6	36.31

LTE Band 25

FCC Part 24							
Band	Frequency Range(MHz)	BandWidth (MHz)	Modulation	Conducted (Average)		EIRP (Average)	
				AVG(dBm)	AVG(mW)	dBm	mW
LTE25	1850~1915	1.4MHz	QPSK	23.5	223.87	21.4	138.04
			16QAM	22.9	194.98	20.8	120.23
		3MHz	QPSK	23.6	230.14	21.5	141.25
			16QAM	23.0	199.53	20.9	123.03
		5MHz	QPSK	23.7	231.74	21.6	144.54
			16QAM	23.0	199.53	20.9	123.03
		10MHz	QPSK	23.7	235.50	21.6	144.54
			16QAM	23.0	199.53	20.9	123.03
		15MHz	QPSK	23.8	237.68	21.7	147.91
			16QAM	23.0	199.53	20.9	123.03
		20MHz	QPSK	23.8	238.78	21.7	147.91
			16QAM	23.0	199.53	20.9	123.03

LTE Band 41

FCC Part 27							
Band	Frequency Range(MHz)	BandWidth (MHz)	Modulation	Conducted (Average)		EIRP (Average)	
				AVG(dBm)	AVG(mW)	dBm	mW
LTE41	2496~2690	5MHz	QPSK	24.6	285.10	21.9	154.88
			16QAM	23.7	231.74	21.0	125.89
		10MHz	QPSK	24.5	284.45	21.8	151.36
			16QAM	23.6	230.14	20.9	123.03
		15MHz	QPSK	24.7	292.42	22.0	158.49
			16QAM	23.7	233.35	21.0	125.89
		20MHz	QPSK	24.8	304.09	22.1	162.18
			16QAM	23.8	242.10	21.1	128.82

LTE Band 66

FCC Part 24							
Band	Frequency Range(MHz)	BandWidth (MHz)	Modulation	Conducted (Average)		EIRP (Average)	
				AVG(dBm)	AVG(mW)	AVG(dBm)	AVG(mW)
LTE66	1710~1780	1.4MHz	QPSK	24.3	269.15	21.6	144.54
			16QAM	23.5	223.87	20.8	120.23
		3MHz	QPSK	24.5	280.54	21.8	151.36
			16QAM	23.5	223.87	20.8	120.23
		5MHz	QPSK	24.5	281.84	21.8	151.36
			16QAM	23.5	223.87	20.8	120.23
		10MHz	QPSK	24.4	276.69	21.7	148.59
			16QAM	23.5	223.87	20.8	120.23
		15MHz	QPSK	24.5	281.84	21.8	151.36
			16QAM	23.5	223.87	20.8	120.23
		20MHz	QPSK	24.5	281.84	21.8	151.36
			16QAM	23.5	223.87	20.8	120.23

7. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes a PIFA antenna for the [List the bands supported] with a maximum peak gain as follow:

Frequency (MHz)	Peak Gain (dBi)
GSM850, 824~849MHz	-6.3
GSM1900, 1850~1910MHz	-2.1
WCDMA Band 2, 1850~1910	-2.1
WCDMA Band 4, 1710~1755	-2.7
WCDMA Band 5, 824~849	-6.3
LTE Band 5, 824~849MHz	-6.3
LTE Band 7, 2500~2570MHz	-3.1
LTE Band 12, 699~716MHz	-7.2
LTE Band 13, 777~787MHz	-4.9
LTE Band 25, 1850~1915MHz	-2.1
LTE Band 41, 2496~2690MHz	-2.7
LTE Band 66, 1710~1780MHz	-2.7

8. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID
AC Adapter	SONY	1300-7137.1	4016W40310044	NA
Earphone	SONY	N/A	N/A	N/A

I/O CABLES (CONDUCTED SETUP)

I/O Cable List						
Cable No	Port	# of Identical ports	Connector Type	Serial Type	Cable Length (m)	Remarks
1	RF Out	1	Spectrum Analyzer	Shielded	None	NA
2	Antenna Port	1	EUT	Shielded	0.1m	NA
3	RF In/Out	1	Communication Test Set	Shielded	1m	NA

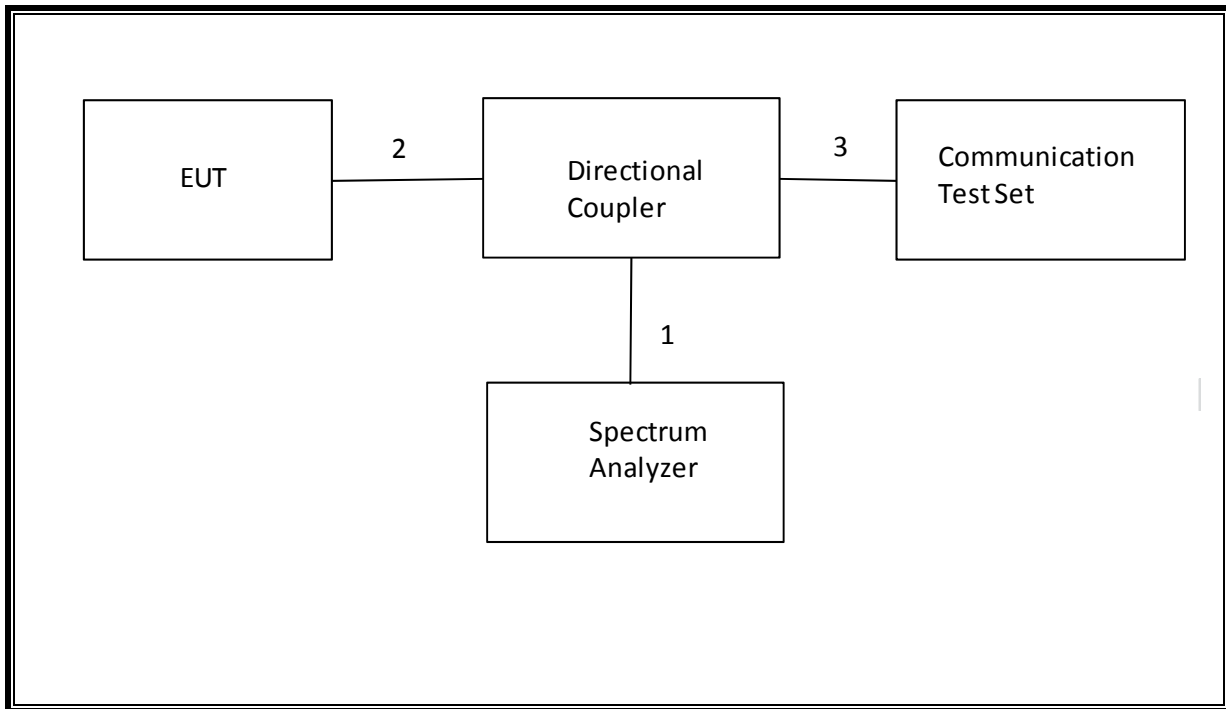
I/O CABLES (RADIATED SETUP)

I/O Cable List						
Cable No	Port	# of Identical ports	Connector Type	Serial Type	Cable Length (m)	Remarks
1	USB	1	AC Adapter	Un-shielded	1.2m	No
2	Jack	1	Headset	Shielded	1m	No
3	RF In/out	1	Communication Test Set	Un-shielded	2m	Yes

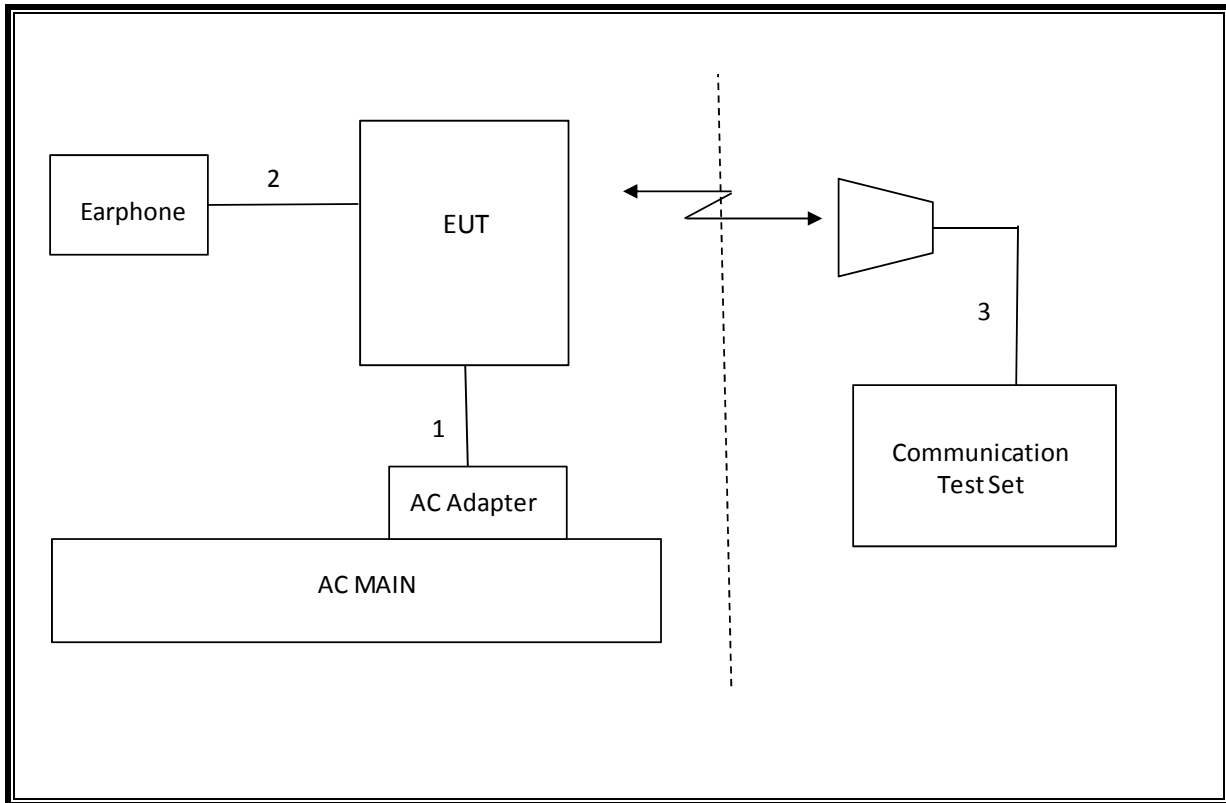
TEST SETUP

The EUT is continuously communicated to the call box during the tests.

SETUP DIAGRAM FOR TESTS (CONDUCTED TEST SETUP)



SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



9. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List					
Description	Manufacturer	Model	T Number	Cal Date	Cal Due
Amplifier, 1 to 18 GHz	Miteq	AFS43-00101800-25-S-42	493	02/15/17	02/15/18
Amplifier, 1 to 8 GHz	Miteq	AMF-4D-01000800-30-29P	1156	02/15/17	02/15/18
Amplifier, 10KHz to 1GHz, 32dB	Keysight	8447D	10	02/15/17	02/15/18
Antenna, Broadband Hybrid, 30MHz to 2000MHz	Sunol Sciences	JB3	408	11/10/16	11/10/17
Spectrum Analyzer, PXA 3Hz to 44GHz	Keysight	N9030A	907	01/23/17	01/23/18
Highpass Filter, 2.7 GHz	Micro-Circuits	H2G518G6	T772	7/5/16	07/5/18
Highpass Filter, 1 GHz	Micro-Tronics	HPM18129	T889	2/21/17	02/21/18
Highpass Filter, 4GHz	Micro-Tronics	HPM13351	T1241	7/19/16	07/19/17
Amplifier, 1-18GHz	Miteq	AFS42-00101800-25-S-42	931	08/26/16	08/26/17
Amplifier, 10KHz to 1GHz, 32dB	Keysight	8447D	15	08/26/16	08/26/17
Antenna, Broadband Hybrid 30MHz to 2000MHz	Sunol Sciences	JB3	408	11/10/16	11/10/17
Antenna, Horn 1-18GHz	ETS Lindgren	3117	712	01/30/17	01/30/18
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight	N9030A	905	01/11/17	01/11/18
DC power supply, 8 V @ 3 A or 15 V @ 2 A	Agilent / HP	E3610A	None	CNR	None
Antenna, Tuned Dipole 400~1000 MHz	ETS	3121C DB4	T273	6/08/17	6/08/18
Directional Coupler	Mini-Circuits	ZUDC10-183+	T1136	6/18/17	6/18/18

Test Equipment List			
Description	Manufacturer	Model	T Number
Radiated Software	UL	UL EMC	Ver 9.5, June 24, 2015
Conducted Software	UL	UL EMC	Ver 9.5, May 26, 2015
CLT Software	UL	UL RF	Ver 1.0, Feb 2, 2015
Antenna Port Software	UL	UL RF	Ver 3.7, Nov 12, 2015

10. SUMMARY TABLE

FCC Part Section	Test Description	Test Limit	Test Condition	Test Result
2.1049	Occupied Bandwidth (99%)	N/A	Conducted	Pass
22.917(a) 24.238(a) 27.53(g)	Band Edge / Conducted Spurious Emission	-13dBm		Pass
27.53(m)		-25dBm		Pass
2.1046	Conducted output power	N/A		Pass
27.53(m)	Emission Mask	Please refer to limit under section 14		Pass
22.355	Frequency Stability	2.5PPM		Pass
24.235 27.54		Please refer to limit under section 16		Pass
22.913(a)(2)	Effective Radiated Power	38dBm	Radiated	Pass
27.50©(10)		34.77dBm		Pass
	Equivalent Isotropic Radiated Power	36.98dBm		Pass
		40.6dBm		Pass
24.232(c) 27.50(h)(2)		33dBm		Pass
27.50(d)(4)	30dBm	Pass		
22.917(a) 24.238(a) 27.53(g)	Radiated Spurious Emission	-13dBm		Pass
27.53(m)		-25dBm	Pass	

11. RF POWER OUTPUT VERIFICATION

TEST PROCEDURE

ANSI C63.26:2015/ TIA / EIA 603-D Clause 2.2.17
KDB 971168 Section 5.6

$$\text{ERP/EIRP} = \text{PMeas} + \text{GT} - \text{LC}$$

where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);

PMeas = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

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

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

MODES TESTED

- GSM 850
- GSM 1900
- WCDMA Band 2
- WCDMA Band 4
- WCDMA Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 17
- LTE Band 25
- LTE Band 41
- LTE Band 66

11.1. GSM/GPRS/EDGE

Using CMW500 Communication Test Set

Function: Menu select > GSM Mobile Station > GSM 850/900/1800/1900

Press Connection control to choose the different menus

Press RESET > choose all to reset all settings

Connection Press Signal Off to turn off the signal and change settings
Network Support > GSM+GPRS or GSM+EGPRS
Main Service > Packet Data
Service selection > Test Mode A – Auto Slot Config. off

MS Signal Press Slot Config bottom on the right twice to select and change the number of time slots and power setting
> Slot configuration > Uplink/Gamma
> 33 dBm for GPRS 850/900
> 27 dBm for EGPRS 850/900
> 30 dBm for GPRS1800/1900
> 26 dBm for EGPRS1800/1900

BS Signal Enter the same channel number for TCH channel (test channel) and BCCH channel

Frequency Offset > + 0 Hz
Mode > BCCH and TCH
BCCH Level > -85 dBm (May need to adjust if link is not stable)
BCCH Channel > choose desire test channel [Enter the same channel number for TCH channel (test channel) and BCCH channel]
Channel Type > Off
P0> 4 dB
Slot Config > Unchanged (if already set under MS Signal)
TCH > choose desired test channel
Hopping > Off
Main Timeslot > 3 (Default)

Network Coding Scheme > CS 4 (GPRS) and MCS5-9 (EGPRS)
Bit Stream > 2E9-1PSR Bit Pattern

AF/RF Enter appropriate offsets for Ext. Att. Output and Ext. Att. Input

Connection Press Signal On to turn on the signal and change settings

11.2. GSM OUTPUT POWER RESULT

Tested By	Coltyce Sanders
Date	6/26/2017

GSM 850

Antenna gain (dBi)		-6.30							
Mode	Ch.	f (MHz)	Modulation	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)		
GPRS	128	824.2	1 Time slot	33.3	24.9	38.5	-13.7		
	190	836.6		33.4	25.0	38.5	-13.6		
	251	848.8		33.3	24.9	38.5	-13.7		
	GPRS	128	824.2	2 Time slot	31.7	23.3	38.5	-15.3	
		190	836.6		31.7	23.3	38.5	-15.3	
		251	848.8		31.6	23.2	38.5	-15.4	
		GPRS	128	824.2	3 Time slot	29.6	21.2	38.5	-17.4
			190	836.6		29.8	21.4	38.5	-17.2
			251	848.8		29.7	21.3	38.5	-17.3
		GPRS	128	824.2	4 Time slot	28.5	20.1	38.5	-18.5
			190	836.6		28.6	20.2	38.5	-18.4
			251	848.8		28.6	20.2	38.5	-18.4
EGPRS	128	824.2	1 Time slot	27.4	19.0	38.5	-19.6		
	190	836.6		27.5	19.1	38.5	-19.5		
	251	848.8		27.5	19.1	38.5	-19.5		
	EGPRS	128	824.2	2 Time slot	25.6	17.2	38.5	-21.4	
		190	836.6		25.7	17.3	38.5	-21.3	
		251	848.8		25.7	17.3	38.5	-21.3	
	EGPRS	128	824.2	3 Time slot	23.9	15.5	38.5	-23.1	
		190	836.6		23.9	15.5	38.5	-23.1	
		251	848.8		24.0	15.6	38.5	-23.0	
	EGPRS	128	824.2	4 Time slot	23.3	14.9	38.5	-23.7	
		190	836.6		23.4	15.0	38.5	-23.6	
		251	848.8		23.3	14.9	38.5	-23.7	

GSM 1900

Antenna gain (dBi)		-2.10					
Mode	Ch.	f (MHz)	Modulation	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
GPRS	512	1850.2	1 Time slot	30.3	28.2	33.0	-4.8
	661	1880		30.3	28.2	33.0	-4.8
	810	1909.8		30.2	28.1	33.0	-4.9
	512	1850.2	2 Time slot	28.6	26.5	33.0	-6.5
	661	1880		28.7	26.6	33.0	-6.4
	810	1909.8		28.6	26.5	33.0	-6.5
	512	1850.2	3 Time slot	26.8	24.7	33.0	-8.3
	661	1880		26.7	24.6	33.0	-8.4
	810	1909.8		26.7	24.6	33.0	-8.4
	512	1850.2	4 Time slot	25.8	23.7	33.0	-9.3
	661	1880		25.8	23.7	33.0	-9.3
	810	1909.8		25.5	23.4	33.0	-9.6
EGPRS	512	1850.2	1 Time slot	26.2	24.1	33.0	-8.9
	661	1880		26.2	24.1	33.0	-8.9
	810	1909.8		26.2	24.1	33.0	-8.9
	512	1850.2	2 Time slot	24.3	22.2	33.0	-10.8
	661	1880		24.3	22.2	33.0	-10.8
	810	1909.8		24.3	22.2	33.0	-10.8
	512	1850.2	3 Time slot	22.1	20	33.0	-13
	661	1880		22.1	20.0	33.0	-13.0
	810	1909.8		22.1	20.0	33.0	-13.0
	512	1850.2	4 Time slot	20.9	18.8	33.0	-14.2
	661	1880		20.9	18.8	33.0	-14.2
	810	1909.8		21.0	18.9	33.0	-14.1

11.3. UMTS REL 99

TEST PROCEDURE

The following summary of these settings are illustrated below:

Mode	Subtest	Rel99
WCDMA General Settings	Loopback Mode	Test Mode 2
	Rel99 RMC	12.2kbps RMC
	Power Control Algorithm	Algorithm2
	β_c/β_d	8/15

RESULTS

Tested By	Coltyce Sanders
Date	6/30/2017

11.4. UMTS REL 99 OUTPUT POWER RESULT

Antenna gain Band 5 (dBi)	-6.30
Antenna gain Band 2 (dBi)	-2.10
Antenna gain Band 4 (dBi)	-2.70

Part 22 / RSS 132 850MHz Band

Band	UL Channel	DL Channel	Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
UMTS Rel. 99 850MHz	4132	4357	826.4	23.8	15.4	38.5	-23.2
	4183	4408	836.6	23.8	15.4	38.5	-23.2
	4233	4458	846.6	24.0	15.6	38.5	-23.0

Part 24 / RSS 133 1900MHz Band

Band	UL Channel	DL Channel	Frequency (MHz)	Peak Power (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
UMTS Rel. 99 1900MHz	9262	9662	1852.4	24.5	22.4	33.0	-10.6
	9400	9800	1880.0	24.7	22.6	33.0	-10.4
	9538	9938	1907.6	24.7	22.6	33.0	-10.4

Part 27 / RSS 139 1700MHz Band

Band	UL Channel	DL Channel	Frequency (MHz)	Peak Power (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
UMTS Rel. 99 1700MHz	1312	1537	1712.4	24.3	21.6	30.0	-8.4
	1413	1638	1732.6	24.3	21.6	30.0	-8.4
	1513	1738	1752.6	24.2	21.5	30.0	-8.5

11.5. UMTS HSDPA

The following 4 Sub-tests were completed according to Release 5 procedures in section 5.2 of 3GPP TS34.121.

Summary of settings are illustrated below:

Mode	HSDPA	HSDPA	HSDPA	HSDPA	
Subtest	1	2	3	4	
W-CDMA General Settings	Loopback Mode				
	Test Mode 1				
	Rel99 RMC				
	12.2kbps RMC				
	HSDPA FRC				
	H-Set 1				
	Power Control Algorithm				
	Algorithm 2				
	β_c	2/15	11/15	15/15	15/15
	β_d	15/15	15/15	8/15	4/15
Bd (SF)	64				
β_c/β_d	2/15	11/15	15/8	15/4	
β_{hs}	4/15	24/15	30/15	30/15	
MPR (dB)	0	0	0.5	0.5	
HSDPA Specific Settings	D_{ACK}				
	8				
	D_{NAK}				
	8				
	DCQI				
	8				
	Ack-Nack repetition factor				
3					
CQI Feedback (Table 5.2B.4)					
4ms					
CQI Repetition Factor (Table 5.2B.4)					
2					
$A_{hs}=\beta_{hs}/\beta_c$					
30/15					

RESULTS

Tested By	Coltyce Sanders
Date	6/30/2017

11.6. UMTS HSDPA OUTPUT POWER RESULT

Antenna gain Band 5 (dBi)	-6.30
Antenna gain Band 2 (dBi)	-2.10
Antenna gain Band 4 (dBi)	-2.70

Part 22 / RSS 132 850MHz Band

Band	Subtest	UL Channel	DL Channel	Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
UMTS HSDPA 850MHz	1	4132	4357	826.4	22.7	14.2	38.5	-24.3
		4183	4408	836.6	22.6	14.2	38.5	-24.4
		4233	4458	846.6	23.0	14.5	38.5	-24.0
	2	4132	4357	826.4	22.7	14.2	38.5	-24.3
		4183	4408	836.6	22.6	14.2	38.5	-24.4
		4233	4458	846.6	23.0	14.5	38.5	-24.0
	3	4132	4357	826.4	22.8	14.4	38.5	-24.2
		4183	4408	836.6	22.7	14.3	38.5	-24.3
		4233	4458	846.6	22.7	14.3	38.5	-24.3
	4	4132	4357	826.4	22.8	14.4	38.5	-24.2
		4183	4408	836.6	22.7	14.3	38.5	-24.3
		4233	4458	846.6	22.7	14.3	38.5	-24.3

Part 24 / RSS 133 1900MHz Band

Band	Subtest	UL Channel	DL Channel	Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
UMTS HSDPA 1900MHz	1	9262	9662	1852.4	23.6	21.5	33.0	-9.4
		9400	9800	1880.0	23.9	21.8	33.0	-9.1
		9538	9938	1907.6	23.8	21.7	33.0	-9.2
	2	9262	9662	1852.4	23.3	21.2	33.0	-9.7
		9400	9800	1880.0	23.7	21.6	33.0	-9.3
		9538	9938	1907.6	23.9	21.8	33.0	-9.1
	3	9262	9662	1852.4	23.1	21.0	33.0	-9.9
		9400	9800	1880.0	23.3	21.2	33.0	-9.7
		9538	9938	1907.6	23.1	21.0	33.0	-9.9
	4	9262	9662	1852.4	23.0	20.9	33.0	-10.0
		9400	9800	1880.0	23.2	21.1	33.0	-9.8
		9538	9938	1907.6	23.4	21.3	33.0	-9.6

Part 27 / RSS 139 1700MHz Band

Band	Subtest	UL Channel	DL Channel	Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
UMTS HSDPA 1700MHz	1	1312	1537	1712.4	23.3	20.6	30.0	-6.7
		1413	1638	1732.6	23.5	20.8	30.0	-6.5
		1513	1738	1752.6	23.1	20.4	30.0	-6.9
	2	1312	1537	1712.4	23.3	20.6	30.0	-6.7
		1413	1638	1732.6	23.5	20.8	30.0	-6.5
		1513	1738	1752.6	23.0	20.3	30.0	-7.0
	3	1312	1537	1712.4	23.0	20.3	30.0	-7.0
		1413	1638	1732.6	23.0	20.3	30.0	-7.0
		1513	1738	1752.6	22.9	20.2	30.0	-7.1
	4	1312	1537	1712.4	23.0	20.3	30.0	-7.0
		1413	1638	1732.6	23.0	20.3	30.0	-7.0
		1513	1738	1752.6	22.9	20.2	30.0	-7.1

11.7. UMTS HSUPA

The following 5 Sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS34.121.

Summary of settings are illustrated below:

	Mode	HSPA				
	Subtest	1	2	3	4	5
WCDMA General Settings	Loopback Mode	Test Mode 1				
	Rel99 RMC	12.2 kbps RMC				
	HSDPA FRC	H-Set 1				
	HSUPA Test	HSPA				
	Power Control Algorithm	Algorithm 2				Algorithm 1
	β_c	11/15	6/15	15/15	2/15	15/15
	β_d	15/15	15/15	9/15	15/15	0
	β_{ec}	209/225	12/15	30/15	2/15	5/15
	β_c/β_d	11/15	6/15	15/9	2/15	-
	β_{hs}	22/15	12/15	30/15	4/15	5/15
	β_{ed}	1309/225	94/75	47/15	56/75	47/15
	CM (dB)	1	3	2	3	1
	MPR (dB)	0	2	1	2	0
HSDPA Specific Settings	DACK	8				0
	DNAK	8				0
	DCQI	8				0
	Ack-Nack repetition factor	3				
	CQI Feedback (Table 5.2B.4)	4ms				
	CQI Repetition Factor (Table 5.2B.4)	2				
A _{hs} = β_{hs}/β_c	30/15					
HSUPA Specific Settings	E-DPDCCH	6	8	8	5	0
	DHARQ	0	0	0	0	0
	AG Index	20	12	15	17	12
	ETFCI (from 34.121 Table C.11.1.3)	75	67	92	71	67
	Associated Max UL Data Rate kbps	242.1	174.9	482.8	205.8	308.9
	Reference E-TFCIs	5	5	2	5	1
	Reference E-TFCI	11	11	11	11	67
	Reference E-TFCI PO	4	4	4	4	18
	Reference E-TFCI	67	67	92	67	67
	Reference E-TFCI PO	18	18	18	18	18
	Reference E-TFCI	71	71	71	71	71
	Reference E-TFCI PO	23	23	23	23	23
	Reference E-TFCI	75	75	75	75	75
	Reference E-TFCI PO	26	26	26	26	26
	Reference E-TFCI	81	81	81	81	81
	Reference E-TFCI PO	27	27	27	27	27
Maximum Channelization Codes	2xSF2				SF4	

Note1: β_{ed} cannot be set directly, it is set by Absolute Grant Value.

RESULT

Tested By	Tony Soares / AJ Newcomer
Date	6/5/2017

11.8. UMTS HSUPA OUTPUT POWER RESULT

Antenna gain Band 5 (dBi)	-5.90
Antenna gain Band 2 (dBi)	-1.50
Antenna gain Band 4 (dBi)	-3.20

Part 22 / RSS 132 850MHz Band

Band	Subtest	UL Channel	DL Channel	Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
UMTS HSUPA 850MHz	1	4132	4357	826.4	22.7	14.7	38.5	-23.9
		4183	4408	836.6	22.6	14.6	38.5	-24.0
		4233	4458	846.6	22.8	14.8	38.5	-23.8
	2	4132	4357	826.4	20.7	12.6	38.5	-25.9
		4183	4408	836.6	20.7	12.7	38.5	-25.9
		4233	4458	846.6	20.7	12.7	38.5	-25.9
	3	4132	4357	826.4	21.7	13.7	38.5	-24.9
		4183	4408	836.6	21.6	13.6	38.5	-25.0
		4233	4458	846.6	21.8	13.8	38.5	-24.8
	4	4132	4357	826.4	20.7	12.7	38.5	-25.9
		4183	4408	836.6	20.7	12.7	38.5	-25.9
		4233	4458	846.6	20.8	12.8	38.5	-25.8

Part 24 / RSS 133 1900MHz Band

Band	Subtest	UL Channel	DL Channel	Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
UMTS HSUPA 1900MHz	1	9262	9662	1852.4	23.6	22.1	33.0	-9.4
		9400	9800	1880.0	23.6	22.1	33.0	-9.4
		9538	9938	1907.6	23.6	22.1	33.0	-9.4
	2	9262	9662	1852.4	21.7	20.2	33.0	-11.3
		9400	9800	1880.0	21.8	20.3	33.0	-11.2
		9538	9938	1907.6	21.8	20.3	33.0	-11.2
	3	9262	9662	1852.4	22.6	21.1	33.0	-10.4
		9400	9800	1880.0	22.8	21.3	33.0	-10.2
		9538	9938	1907.6	22.8	21.3	33.0	-10.2
	4	9262	9662	1852.4	21.7	20.2	33.0	-11.3
		9400	9800	1880.0	21.8	20.3	33.0	-11.2
		9538	9938	1907.6	21.8	20.3	33.0	-11.2

Part 27 / RSS 139 1700MHz Band

Band	Subtest	UL Channel	DL Channel	Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
UMTS HSUPA 1700MHz	1	1312	1537	1712.4	23.2	20.0	30.0	-6.8
		1413	1638	1732.6	23.3	20.1	30.0	-6.7
		1513	1738	1752.6	23.2	20.0	30.0	-6.8
	2	1312	1537	1712.4	21.3	18.1	30.0	-8.7
		1413	1638	1732.6	21.4	18.2	30.0	-8.6
		1513	1738	1752.6	21.2	18.0	30.0	-8.8
	3	1312	1537	1712.4	22.3	19.1	30.0	-7.7
		1413	1638	1732.6	22.4	19.2	30.0	-7.6
		1513	1738	1752.6	22.1	18.9	30.0	-7.9
	4	1312	1537	1712.4	21.3	18.1	30.0	-8.7
		1413	1638	1732.6	21.4	18.2	30.0	-8.6
		1513	1738	1752.6	21.2	18.0	30.0	-8.8

11.9. LTE OUTPUT POWER RESULT

Note(s):

LTE Band 2 Measured Results

LTE Band 2 (Frequency range: 1850-1910MHz) is covered by LTE Band 25 (Frequency range:1850-1915 MHz) no testing is necessary due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth and same modulations.

LTE Band 4 Measured Results

LTE Band 4 (Frequency range: 1710-1755MHz) is covered by LTE Band 66 (Frequency range: 1710-1780 MHz) and no testing is necessary due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth and same modulations.

LTE Band 17 Measured Results

LTE Band 17 (Frequency range: 704-716) is covered by LTE Band 12 (Frequency range: 699-716MHz) no testing is necessary due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth and same modulations.

LTE Band 38 Measured Results

LTE Band 38 (Frequency range: 2570-2620 MHz) is covered by LTE Band 41 (Frequency range: 2496-2690 MHz) and no testing is necessary due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth and same modulations.

64QAM Measured Results

Measured QPSK,16QAM & 64QAM Mode Output power and found that QPSK and 16QAM results was the worst case. All testing were performed using QPSK and 16QAM mode to represent the worst case mode.

Tested By	Lance Fleischer/Tony Soares
Date	6/27/2017

LTE Band 5

Antenna gain (dBi)		-6.30										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)			
1.4	20407	824.7	QPSK	1	0	24.5	16.1	38.5	-22.4			
				1	3	24.6	16.1	38.5	-22.3			
				1	5	24.5	16.0	38.5	-22.4			
				3	0	24.5	16.1	38.5	-22.4			
				3	1	24.6	16.1	38.5	-22.3			
				3	3	24.6	16.1	38.5	-22.3			
			16QAM	6	0	23.5	15.1	38.5	-23.4			
				1	0	23.6	15.1	38.5	-23.3			
				1	3	23.6	15.2	38.5	-23.3			
				1	5	23.6	15.2	38.5	-23.3			
				3	0	23.7	15.3	38.5	-23.2			
				3	1	23.8	15.3	38.5	-23.1			
			64QAM	3	3	23.8	15.3	38.5	-23.1			
				6	0	22.7	14.3	38.5	-24.2			
				1	0	22.0	13.6	38.5	-24.9			
				1	3	21.9	13.5	38.5	-25.0			
				1	5	21.9	13.5	38.5	-25.0			
				3	0	21.7	13.3	38.5	-25.2			
			1.4	20525	836.5	QPSK	3	1	21.8	13.4	38.5	-25.1
							3	3	21.8	13.4	38.5	-25.1
							6	0	20.7	12.3	38.5	-26.2
							1	0	24.5	16.0	38.5	-22.4
							1	3	24.6	16.1	38.5	-22.3
							1	5	24.5	16.0	38.5	-22.4
16QAM	3	0				24.5	16.0	38.5	-22.4			
	3	1				24.5	16.1	38.5	-22.4			
	3	3				24.5	16.1	38.5	-22.4			
	6	0				23.5	15.0	38.5	-23.4			
	1	0				23.9	15.4	38.5	-23.0			
	1	3				23.9	15.5	38.5	-23.0			
64QAM	1	5				23.9	15.4	38.5	-23.0			
	3	0				23.7	15.2	38.5	-23.2			
	3	1				23.7	15.3	38.5	-23.2			
	3	3				23.7	15.3	38.5	-23.2			
	6	0				22.4	14.0	38.5	-24.5			
	1	0				22.0	13.6	38.5	-24.9			
64QAM	1	3				21.9	13.5	38.5	-25.0			
	1	5				22.0	13.6	38.5	-24.9			
	3	0				21.8	13.4	38.5	-25.1			
	3	1				21.9	13.5	38.5	-25.0			
	3	3				21.8	13.4	38.5	-25.1			
	6	0				20.7	12.3	38.5	-26.2			

Antenna gain (dBi)		-6.30							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
1.4	20643	848.3	QPSK	1	0	24.4	15.9	38.5	-22.6
				1	3	24.4	15.9	38.5	-22.6
				1	5	24.3	15.9	38.5	-22.6
				3	0	24.3	15.8	38.5	-22.7
				3	1	24.3	15.9	38.5	-22.6
				3	3	24.3	15.9	38.5	-22.6
				6	0	23.3	14.9	38.5	-23.6
			16QAM	1	0	23.4	14.9	38.5	-23.6
				1	3	23.4	15.0	38.5	-23.5
				1	5	23.4	14.9	38.5	-23.6
				3	0	23.4	15.0	38.5	-23.5
				3	1	23.5	15.0	38.5	-23.5
				3	3	23.5	15.0	38.5	-23.5
				6	0	22.5	14.0	38.5	-24.5
			64QAM	1	0	22.0	13.6	38.5	-25.0
				1	3	21.8	13.4	38.5	-25.2
				1	5	21.8	13.4	38.5	-25.2
				3	0	21.6	13.2	38.5	-25.4
				3	1	21.7	13.3	38.5	-25.3
				3	3	21.7	13.3	38.5	-25.3
				6	0	20.6	12.2	38.5	-26.4

Antenna gain (dBi)		-6.30							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3.0	20415	825.5	QPSK	1	0	24.6	16.2	38.5	-22.3
				1	8	24.7	16.2	38.5	-22.3
				1	14	24.6	16.2	38.5	-22.3
				8	0	23.6	15.2	38.5	-23.3
				8	4	23.6	15.2	38.5	-23.3
				8	7	23.6	15.2	38.5	-23.3
			16QAM	15	0	23.6	15.1	38.5	-23.4
				1	0	23.7	15.3	38.5	-23.2
				1	8	23.7	15.3	38.5	-23.2
				1	14	23.7	15.3	38.5	-23.2
				8	0	22.7	14.2	38.5	-24.3
				8	4	22.7	14.2	38.5	-24.3
			64QAM	8	7	22.7	14.2	38.5	-24.3
				15	0	22.6	14.1	38.5	-24.4
				1	0	22.1	13.7	38.5	-24.9
				1	8	21.9	13.5	38.5	-25.1
				1	14	22.0	13.6	38.5	-25.0
				8	0	20.7	12.3	38.5	-26.3
3.0	20525	836.5	QPSK	8	4	20.8	12.4	38.5	-26.2
				8	7	20.8	12.4	38.5	-26.2
				15	0	20.7	12.3	38.5	-26.3
				1	0	24.6	16.2	38.5	-22.3
				1	8	24.7	16.3	38.5	-22.2
				1	14	24.6	16.1	38.5	-22.4
			16QAM	8	0	23.6	15.2	38.5	-23.3
				8	4	23.6	15.2	38.5	-23.3
				8	7	23.6	15.1	38.5	-23.4
				15	0	23.6	15.1	38.5	-23.4
				1	0	24.0	15.5	38.5	-23.0
				1	8	24.0	15.6	38.5	-23.0
			64QAM	1	14	23.9	15.5	38.5	-23.0
				8	0	22.7	14.3	38.5	-24.2
				8	4	22.7	14.2	38.5	-24.3
				8	7	22.7	14.3	38.5	-24.2
				15	0	22.6	14.2	38.5	-24.3
				1	0	22.0	13.6	38.5	-25.0
	1	8	22.0	13.6	38.5	-25.0			
	1	14	22.0	13.6	38.5	-25.0			
	8	0	20.8	12.4	38.5	-26.2			
	8	4	20.8	12.4	38.5	-26.2			
	8	7	20.8	12.4	38.5	-26.2			
	15	0	20.8	12.4	38.5	-26.2			

Antenna gain (dBi)		-6.30							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3.0	20635	847.5	QPSK	1	0	24.4	15.9	38.5	-22.6
				1	8	24.5	16.0	38.5	-22.5
				1	14	24.3	15.9	38.5	-22.6
				8	0	23.4	15.0	38.5	-23.5
				8	4	23.4	15.0	38.5	-23.5
				8	7	23.4	15.0	38.5	-23.5
				15	0	23.4	15.0	38.5	-23.5
			16QAM	1	0	23.3	14.9	38.5	-23.6
				1	8	23.4	14.9	38.5	-23.6
				1	14	23.3	14.8	38.5	-23.7
				8	0	22.6	14.1	38.5	-24.4
				8	4	22.5	14.1	38.5	-24.4
				8	7	22.5	14.1	38.5	-24.4
				15	0	22.5	14.0	38.5	-24.5
			64QAM	1	0	21.8	13.4	38.5	-25.2
				1	8	21.8	13.4	38.5	-25.2
				1	14	21.9	13.5	38.5	-25.1
				8	0	20.7	12.3	38.5	-26.3
				8	4	20.7	12.3	38.5	-26.3
				8	7	20.7	12.3	38.5	-26.3
				15	0	20.7	12.3	38.5	-26.3

Antenna gain (dBi)		-6.30										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)			
5.0	20425	826.5	QPSK	1	0	24.7	16.3	38.5	-22.2			
				1	12	24.7	16.3	38.5	-22.2			
				1	24	24.7	16.3	38.5	-22.2			
				12	0	23.6	15.2	38.5	-23.3			
				12	7	23.8	15.3	38.5	-23.2			
				12	13	23.7	15.3	38.5	-23.2			
				25	0	23.7	15.3	38.5	-23.2			
			16QAM	1	0	23.8	15.3	38.5	-23.2			
				1	12	23.8	15.4	38.5	-23.1			
				1	24	23.8	15.3	38.5	-23.2			
				12	0	22.7	14.3	38.5	-24.2			
				12	7	22.8	14.4	38.5	-24.1			
				12	13	22.8	14.3	38.5	-24.2			
				25	0	22.7	14.2	38.5	-24.3			
			64QAM	1	0	21.8	13.4	38.5	-25.2			
				1	12	21.9	13.5	38.5	-25.1			
				1	24	21.8	13.4	38.5	-25.2			
				12	0	20.5	12.1	38.5	-26.5			
				12	7	20.6	12.2	38.5	-26.4			
				12	13	20.6	12.2	38.5	-26.4			
				25	0	20.6	12.2	38.5	-26.4			
			5.0	20525	836.5	QPSK	1	0	24.6	16.2	38.5	-22.3
							1	12	24.6	16.1	38.5	-22.4
							1	24	24.6	16.2	38.5	-22.3
12	0	23.6					15.2	38.5	-23.3			
12	7	23.6					15.2	38.5	-23.3			
12	13	23.6					15.1	38.5	-23.4			
25	0	23.6					15.2	38.5	-23.3			
16QAM	1	0				24.0	15.6	38.5	-23.0			
	1	2				24.0	15.6	38.5	-23.0			
	1	5				24.0	15.6	38.5	-23.0			
	3	0				22.8	14.3	38.5	-24.2			
	3	1				22.7	14.3	38.5	-24.2			
	3	2				22.7	14.3	38.5	-24.2			
	6	0				22.6	14.2	38.5	-24.3			
64QAM	1	0				22.0	13.6	38.5	-25.0			
	1	12				21.8	13.4	38.5	-25.2			
	1	24				21.8	13.4	38.5	-25.2			
	12	0				20.5	12.1	38.5	-26.5			
	12	7				20.5	12.1	38.5	-26.5			
	12	13				20.5	12.1	38.5	-26.5			
	25	0				20.5	12.1	38.5	-26.5			

Antenna gain (dBi)		-6.30							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5.0	20625	846.5	QPSK	1	0	24.5	16.1	38.5	-22.4
				1	12	24.4	16.0	38.5	-22.5
				1	24	24.4	15.9	38.5	-22.6
				12	0	23.5	15.0	38.5	-23.5
				12	7	23.4	15.0	38.5	-23.5
				12	13	23.4	14.9	38.5	-23.6
				25	0	23.5	15.0	38.5	-23.5
			16QAM	1	0	23.7	15.2	38.5	-23.3
				1	12	23.5	15.1	38.5	-23.4
				1	24	23.6	15.1	38.5	-23.4
				12	0	22.6	14.1	38.5	-24.4
				12	7	22.5	14.1	38.5	-24.4
				12	13	22.5	14.1	38.5	-24.4
				25	0	22.5	14.0	38.5	-24.5
			64QAM	1	0	22.0	13.6	38.5	-25.0
				1	12	22.0	13.6	38.5	-25.0
				1	24	21.9	13.5	38.5	-25.1
				12	0	20.7	12.3	38.5	-26.3
				12	7	20.7	12.3	38.5	-26.3
				12	13	20.7	12.3	38.5	-26.3
				25	0	20.7	12.3	38.5	-26.3

Antenna gain (dBi)		-6.30							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10.0	20525	836.5	QPSK	1	0	24.7	16.3	38.5	-22.2
				1	25	24.6	16.1	38.5	-22.4
				1	49	24.6	16.1	38.5	-22.4
				25	0	23.6	15.2	38.5	-23.3
				25	12	23.6	15.1	38.5	-23.4
				25	25	23.6	15.2	38.5	-23.3
			16QAM	50	0	23.6	15.1	38.5	-23.4
				1	0	24.0	15.6	38.5	-23.0
				1	25	23.9	15.5	38.5	-23.0
				1	49	23.9	15.5	38.5	-23.0
				25	0	22.7	14.2	38.5	-24.3
				25	12	22.6	14.2	38.5	-24.3
			64QAM	25	25	22.6	14.2	38.5	-24.3
				50	0	22.6	14.2	38.5	-24.3
				1	0	21.7	13.3	38.5	-25.3
				1	25	21.7	13.3	38.5	-25.3
				1	49	21.8	13.4	38.5	-25.2
				25	0	20.5	12.1	38.5	-26.5
				25	12	20.5	12.1	38.5	-26.5
				25	25	20.5	12.1	38.5	-26.5
			50	0	20.5	12.1	38.5	-26.5	

LTE Band 7

Antenna gain (dBi)		-3.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5.0	20775	2052.5	QPSK	1	0	24.0	20.9	33.0	-12.1
				1	12	23.9	20.8	33.0	-12.2
				1	24	23.9	20.8	33.0	-12.2
				12	0	23.1	20.0	33.0	-13.0
				12	7	23.2	20.1	33.0	-12.9
				12	13	23.1	20.0	33.0	-13.0
				25	0	23.0	19.9	33.0	-13.1
			16QAM	1	0	23.3	20.2	33.0	-12.8
				1	12	23.3	20.2	33.0	-12.8
				1	24	23.2	20.1	33.0	-12.9
				12	0	22.4	19.3	33.0	-13.7
				12	7	22.4	19.3	33.0	-13.7
				12	13	22.4	19.3	33.0	-13.7
				25	0	22.2	19.1	33.0	-13.9
			64QAM	1	0	22.3	19.2	33.0	-13.8
				1	12	22.2	19.1	33.0	-13.9
				1	24	22.2	19.1	33.0	-13.9
				12	0	21.1	18.0	33.0	-15.0
				12	7	21.1	18.0	33.0	-15.0
				12	13	20.9	17.8	33.0	-15.2
25	0	20.8		17.7	33.0	-15.3			
5.0	21100	2535.0	QPSK	1	0	24.5	21.4	33.0	-11.7
				1	12	24.5	21.4	33.0	-11.6
				1	24	24.4	21.3	33.0	-11.7
				12	0	23.6	20.5	33.0	-12.5
				12	7	23.6	20.5	33.0	-12.5
				12	13	23.5	20.4	33.0	-12.6
				25	0	23.5	20.4	33.0	-12.6
			16QAM	1	0	24.0	20.9	33.0	-12.1
				1	2	24.0	20.9	33.0	-12.1
				1	5	23.9	20.8	33.0	-12.2
				3	0	22.7	19.6	33.0	-13.4
				3	1	22.7	19.6	33.0	-13.4
				3	2	22.7	19.6	33.0	-13.5
				6	0	22.6	19.5	33.0	-13.5
			64QAM	1	0	22.1	19.0	33.0	-14.0
				1	12	22.2	19.1	33.0	-13.9
				1	24	22.1	19.0	33.0	-14.0
				12	0	21.0	17.9	33.0	-15.1
				12	7	21.0	17.9	33.0	-15.1
				12	13	20.9	17.8	33.0	-15.2
25	0	20.9		17.8	33.0	-15.2			

Antenna gain (dBi)		-3.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5.0	21425	2567.5	QPSK	1	0	24.0	20.9	33.0	-12.2
				1	12	23.7	20.6	33.0	-12.4
				1	24	23.5	20.4	33.0	-12.6
				12	0	23.0	19.9	33.0	-13.1
				12	7	22.9	19.8	33.0	-13.2
				12	13	22.8	19.7	33.0	-13.3
				25	0	22.9	19.8	33.0	-13.3
			16QAM	1	0	23.2	20.1	33.0	-13.0
				1	12	22.7	19.6	33.0	-13.4
				1	24	22.7	19.6	33.0	-13.4
				12	0	22.2	19.1	33.0	-13.9
				12	7	22.1	19.0	33.0	-14.0
				12	13	22.0	18.9	33.0	-14.1
				25	0	22.0	18.9	33.0	-14.1
			64QAM	1	0	21.5	18.4	33.0	-14.6
				1	12	21.1	18.0	33.0	-15.0
				1	24	21.2	18.1	33.0	-14.9
				12	0	20.1	17.0	33.0	-16.0
				12	7	20.0	16.9	33.0	-16.1
				12	13	20.0	16.9	33.0	-16.1
				25	0	20.0	16.9	33.0	-16.1

Antenna gain (dBi)		-3.10										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)			
10.0	20880	2505.0	QPSK	1	0	24.0	20.9	33.0	-12.1			
				1	25	23.8	20.7	33.0	-12.3			
				1	49	23.7	20.6	33.0	-12.4			
				25	0	22.9	19.8	33.0	-13.2			
				25	12	23.0	19.9	33.0	-13.1			
				25	25	22.8	19.7	33.0	-13.3			
			16QAM	50	0	22.7	19.6	33.0	-13.4			
				1	0	23.1	20.0	33.0	-13.0			
				1	25	23.2	20.1	33.0	-12.9			
				1	49	22.9	19.8	33.0	-13.2			
				25	0	22.3	19.2	33.0	-13.8			
				25	12	22.3	19.2	33.0	-13.8			
			64QAM	25	25	22.2	19.1	33.0	-13.9			
				50	0	22.1	19.0	33.0	-14.0			
				1	0	22.5	19.4	33.0	-13.6			
				1	25	22.0	18.9	33.0	-14.1			
				1	49	21.8	18.7	33.0	-14.3			
				25	0	20.8	17.7	33.0	-15.3			
			10.0	21100	2535.0	QPSK	25	12	20.7	17.6	33.0	-15.4
							25	25	20.4	17.3	33.0	-15.7
							50	0	20.5	17.4	33.0	-15.6
							1	0	24.7	21.6	33.0	-11.4
							1	25	24.6	21.5	33.0	-11.5
							1	49	24.5	21.4	33.0	-11.6
16QAM	25	0				23.5	20.4	33.0	-12.6			
	25	12				23.6	20.5	33.0	-12.5			
	25	25				23.5	20.4	33.0	-12.6			
	50	0				23.6	20.5	33.0	-12.6			
	1	0				23.9	20.8	33.0	-12.2			
	1	25				23.8	20.7	33.0	-12.3			
64QAM	1	49				23.8	20.7	33.0	-12.3			
	25	0				22.6	19.5	33.0	-13.5			
	25	12				22.6	19.5	33.0	-13.5			
	25	25				22.5	19.4	33.0	-13.6			
	50	0				22.6	19.5	33.0	-13.5			
	1	0				22.2	19.1	33.0	-13.9			
64QAM	1	25				22.0	18.9	33.0	-14.1			
	1	49				22.0	18.9	33.0	-14.1			
	25	0				20.9	17.8	33.0	-15.2			
	25	12				20.9	17.8	33.0	-15.2			
	25	25				21.0	17.9	33.0	-15.1			
	50	0				20.9	17.8	33.0	-15.2			

Antenna gain (dBi)		-3.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10.0	21400	2565.0	QPSK	1	0	24.3	21.2	33.0	-11.9
				1	25	23.8	20.7	33.0	-12.3
				1	49	23.4	20.3	33.0	-12.7
				25	0	23.3	20.2	33.0	-12.9
				25	12	23.0	19.9	33.0	-13.1
				25	25	22.8	19.7	33.0	-13.3
				50	0	22.8	19.7	33.0	-13.3
			16QAM	1	0	23.2	20.1	33.0	-12.9
				1	25	22.8	19.7	33.0	-13.4
				1	49	22.4	19.3	33.0	-13.7
				25	0	22.4	19.3	33.0	-13.7
				25	12	22.2	19.1	33.0	-13.9
				25	25	22.0	18.9	33.0	-14.1
				50	0	22.1	19.0	33.0	-14.0
			64QAM	1	0	21.9	18.8	33.0	-14.2
				1	25	21.3	18.2	33.0	-14.8
				1	49	21.0	17.9	33.0	-15.1
				25	0	20.5	17.4	33.0	-15.6
				25	12	20.3	17.2	33.0	-15.8
				25	25	20.0	16.9	33.0	-16.1
				50	0	20.0	16.9	33.0	-16.1

Antenna gain (dBi)		-3.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15.0	20825	2507.5	QPSK	1	0	24.0	20.9	33.0	-12.1
				1	37	23.8	20.7	33.0	-12.3
				1	74	23.9	20.8	33.0	-12.2
				36	0	22.9	19.8	33.0	-13.2
				36	20	22.9	19.8	33.0	-13.2
				36	39	22.8	19.7	33.0	-13.3
				75	0	22.9	19.8	33.0	-13.3
			16QAM	1	0	23.5	20.4	33.0	-12.6
				1	37	23.8	20.7	33.0	-12.3
				1	74	23.3	20.2	33.0	-12.8
				36	0	22.1	19.0	33.0	-14.0
				36	20	22.1	19.0	33.0	-14.0
				36	39	22.1	19.0	33.0	-14.0
				75	0	22.0	18.9	33.0	-14.1
			64QAM	1	0	22.3	19.2	33.0	-13.8
				1	37	21.9	18.8	33.0	-14.2
				1	74	21.8	18.7	33.0	-14.3
				36	0	20.7	17.6	33.0	-15.4
				36	20	20.5	17.4	33.0	-15.6
				36	39	20.3	17.2	33.0	-15.8
				75	0	20.3	17.2	33.0	-15.8
15.0	21100	2535.0	QPSK	1	0	24.6	21.5	33.0	-11.5
				1	37	24.5	21.4	33.0	-11.6
				1	74	24.4	21.3	33.0	-11.7
				36	0	23.6	20.5	33.0	-12.5
				36	20	23.6	20.5	33.0	-12.5
				36	39	23.6	20.5	33.0	-12.5
				75	0	23.6	20.5	33.0	-12.5
			16QAM	1	0	23.5	20.4	33.0	-12.6
				1	37	23.2	20.1	33.0	-12.9
				1	74	23.3	20.2	33.0	-12.8
				36	0	22.6	19.5	33.0	-13.5
				36	20	22.6	19.5	33.0	-13.5
				36	39	22.6	19.5	33.0	-13.5
				75	0	22.6	19.5	33.0	-13.5
			64QAM	1	0	21.4	18.3	33.0	-14.7
				1	37	21.2	18.1	33.0	-14.9
				1	74	21.2	18.1	33.0	-14.9
				36	0	20.0	16.9	33.0	-16.1
				36	20	20.0	16.9	33.0	-16.1
				36	39	20.0	16.9	33.0	-16.1
				75	0	20.0	16.9	33.0	-16.1

Antenna gain (dBi)		-3.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15.0	21375	2562.5	QPSK	1	0	24.5	21.4	33.0	-11.6
				1	37	23.7	20.6	33.0	-12.4
				1	74	23.4	20.3	33.0	-12.7
				36	0	23.4	20.3	33.0	-12.7
				36	20	23.3	20.2	33.0	-12.9
				36	39	22.9	19.8	33.0	-13.2
				75	0	23.0	19.9	33.0	-13.1
			16QAM	1	0	23.9	20.8	33.0	-12.2
				1	37	23.5	20.4	33.0	-12.6
				1	74	22.7	19.6	33.0	-13.4
				36	0	22.6	19.5	33.0	-13.5
				36	20	22.4	19.3	33.0	-13.7
				36	39	22.1	19.0	33.0	-14.0
				75	0	22.3	19.2	33.0	-13.8
			64QAM	1	0	22.1	19.0	33.0	-14.0
				1	37	22.0	18.9	33.0	-14.1
				1	74	21.1	18.0	33.0	-15.0
				36	0	20.8	17.7	33.0	-15.3
				36	20	20.6	17.5	33.0	-15.5
				36	39	20.2	17.1	33.0	-15.9
				75	0	20.4	17.3	33.0	-15.7

Antenna gain (dBi)		-3.10										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)			
20.0	20850	2510.0	QPSK	1	0	24.0	20.9	33.0	-12.2			
				1	49	24.0	20.9	33.0	-12.1			
				1	99	24.2	21.1	33.0	-11.9			
				50	0	22.8	19.7	33.0	-13.3			
				50	24	22.8	19.7	33.0	-13.3			
				50	50	22.9	19.8	33.0	-13.2			
			16QAM	100	0	23.0	19.9	33.0	-13.1			
				1	0	23.5	20.4	33.0	-12.6			
				1	49	23.3	20.2	33.0	-12.8			
				1	99	23.8	20.7	33.0	-12.3			
				50	0	22.1	19.0	33.0	-14.0			
				50	24	22.0	18.9	33.0	-14.1			
			64QAM	50	50	22.2	19.1	33.0	-13.9			
				100	0	22.1	19.0	33.0	-14.0			
				1	0	22.0	18.9	33.0	-14.1			
				1	49	21.6	18.5	33.0	-14.5			
				1	99	22.0	18.9	33.0	-14.1			
				50	0	20.6	17.5	33.0	-15.5			
			20.0	21100	2535.0	QPSK	50	24	20.5	17.4	33.0	-15.6
							50	50	20.5	17.4	33.0	-15.6
							100	0	20.5	17.4	33.0	-15.6
							1	0	24.7	21.6	33.0	-11.4
							1	49	24.2	21.1	33.0	-11.9
							1	99	24.3	21.2	33.0	-11.8
16QAM	50	0				23.7	20.6	33.0	-12.4			
	50	24				23.6	20.5	33.0	-12.5			
	50	50				23.6	20.5	33.0	-12.6			
	100	0				23.4	20.3	33.0	-12.7			
	1	0				24.0	20.9	33.0	-12.1			
	1	49				24.0	20.9	33.0	-12.1			
64QAM	1	99				24.0	20.9	33.0	-12.1			
	50	0				22.7	19.6	33.0	-13.4			
	50	24				22.6	19.5	33.0	-13.5			
	50	50				22.6	19.5	33.0	-13.5			
	100	0				22.7	19.6	33.0	-13.5			
	1	0				21.2	18.1	33.0	-14.9			
64QAM	1	49				21.0	17.9	33.0	-15.1			
	1	99				21.0	17.9	33.0	-15.1			
	50	0				20.0	16.9	33.0	-16.1			
	50	24				20.0	16.9	33.0	-16.1			
	50	50				20.0	16.9	33.0	-16.1			
	100	0				20.0	16.9	33.0	-16.1			

Antenna gain (dBi)		-3.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20.0	21350	2560.0	QPSK	1	0	24.5	21.4	33.0	-11.6
				1	49	24.4	21.3	33.0	-11.8
				1	99	23.3	20.2	33.0	-12.8
				50	0	23.5	20.4	33.0	-12.6
				50	24	23.4	20.3	33.0	-12.7
				50	50	23.0	19.9	33.0	-13.1
				100	0	23.0	19.9	33.0	-13.1
			16QAM	1	0	24.0	20.9	33.0	-12.1
				1	49	23.8	20.7	33.0	-12.3
				1	99	22.8	19.7	33.0	-13.3
				50	0	22.8	19.7	33.0	-13.3
				50	24	22.7	19.6	33.0	-13.5
				50	50	22.3	19.2	33.0	-13.8
				100	0	22.3	19.2	33.0	-13.8
			64QAM	1	0	21.3	18.2	33.0	-14.8
				1	49	21.2	18.1	33.0	-14.9
				1	99	21.2	18.1	33.0	-14.9
				50	0	20.3	17.2	33.0	-15.8
				50	24	20.3	17.2	33.0	-15.8
				50	50	20.2	17.1	33.0	-15.9
				100	0	20.2	17.1	33.0	-15.9

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Antenna gain (dBi)		-7.20										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)			
1.4	23017	699.7	QPSK	1	0	24.6	15.2	34.7	-19.5			
				1	3	24.6	15.3	34.7	-19.4			
				1	5	24.6	15.2	34.7	-19.5			
				3	0	24.6	15.2	34.7	-19.5			
				3	1	24.7	15.3	34.7	-19.4			
				3	3	24.7	15.3	34.7	-19.4			
			16QAM	6	0	23.6	14.2	34.7	-20.5			
				1	0	23.6	14.3	34.7	-20.4			
				1	3	23.7	14.3	34.7	-20.4			
				1	5	23.6	14.3	34.7	-20.4			
				3	0	23.8	14.4	34.7	-20.3			
				3	1	23.8	14.5	34.7	-20.2			
			64QAM	3	3	23.8	14.5	34.7	-20.2			
				6	0	22.8	13.4	34.7	-21.3			
				1	0	22.1	12.8	34.7	-22.0			
				1	3	22.0	12.7	34.7	-22.1			
				1	5	22.1	12.8	34.7	-22.0			
				3	0	22.1	12.8	34.7	-22.0			
			1.4	23095	707.5	QPSK	3	1	22.1	12.8	34.7	-22.0
							3	3	22.1	12.8	34.7	-22.0
							6	0	21.0	11.7	34.7	-23.1
							1	0	24.6	15.3	34.7	-19.4
							1	3	24.6	15.3	34.7	-19.4
							1	5	24.6	15.2	34.7	-19.5
16QAM	3	0				24.6	15.3	34.7	-19.4			
	3	1				24.6	15.3	34.7	-19.4			
	3	3				24.6	15.3	34.7	-19.4			
	6	0				23.6	14.2	34.7	-20.5			
	1	0				23.9	14.6	34.7	-20.1			
	1	3				24.0	14.6	34.7	-20.1			
64QAM	1	5				23.9	14.6	34.7	-20.1			
	3	0				23.8	14.4	34.7	-20.3			
	3	1				23.8	14.5	34.7	-20.2			
	3	3				23.8	14.5	34.7	-20.2			
	6	0				22.5	13.1	34.7	-21.6			
	1	0				22.0	12.7	34.7	-22.1			
64QAM	1	3				22.2	12.9	34.7	-21.9			
	1	5				22.3	13.0	34.7	-21.8			
	3	0				22.1	12.8	34.7	-22.0			
	3	1				22.1	12.8	34.7	-22.0			
	3	3				22.1	12.8	34.7	-22.0			
	6	0				21.0	11.7	34.7	-23.1			

Antenna gain (dBi)		-7.20							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	23173	715.3	QPSK	1	0	24.6	15.3	34.7	-19.4
				1	3	24.6	15.3	34.7	-19.4
				1	5	24.4	15.0	34.7	-19.7
				3	0	24.6	15.2	34.7	-19.5
				3	1	24.6	15.2	34.7	-19.5
				3	3	24.5	15.2	34.7	-19.5
				6	0	23.6	14.2	34.7	-20.5
			16QAM	1	0	23.6	14.3	34.7	-20.4
				1	3	23.7	14.3	34.7	-20.4
				1	5	23.5	14.1	34.7	-20.6
				3	0	23.7	14.4	34.7	-20.3
				3	1	23.7	14.4	34.7	-20.3
				3	3	23.7	14.3	34.7	-20.4
				6	0	22.7	13.3	34.7	-21.4
			64QAM	1	0	22.2	12.9	34.7	-21.9
				1	3	22.2	12.9	34.7	-21.9
				1	5	22.0	12.7	34.7	-22.1
				3	0	22.1	12.8	34.7	-22.0
				3	1	22.1	12.8	34.7	-22.0
				3	3	22.1	12.8	34.7	-22.0
				6	0	21.0	11.7	34.7	-23.1

Antenna gain (dBi)		-7.20							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3.0	23025	700.5	QPSK	1	0	24.7	15.3	34.7	-19.4
				1	8	24.7	15.4	34.7	-19.3
				1	14	24.7	15.3	34.7	-19.4
				8	0	23.7	14.3	34.7	-20.4
				8	4	23.7	14.3	34.7	-20.4
				8	7	23.7	14.3	34.7	-20.4
			16QAM	15	0	23.6	14.3	34.7	-20.4
				1	0	23.7	14.4	34.7	-20.3
				1	8	23.8	14.4	34.7	-20.3
				1	14	23.7	14.4	34.7	-20.3
				8	0	22.7	13.4	34.7	-21.3
				8	4	22.7	13.4	34.7	-21.3
			64QAM	8	7	22.7	13.4	34.7	-21.3
				15	0	22.6	13.3	34.7	-21.4
				1	0	22.3	13.0	34.7	-21.8
				1	8	22.3	13.0	34.7	-21.8
				1	14	22.3	13.0	34.7	-21.8
				8	0	21.0	11.7	34.7	-23.1
3.0	23095	707.5	QPSK	8	4	21.1	11.8	34.7	-23.0
				8	7	21.1	11.8	34.7	-23.0
				15	0	21.0	11.7	34.7	-23.1
				1	0	24.7	15.4	34.7	-19.3
				1	8	24.8	15.5	34.7	-19.2
				1	14	24.7	15.3	34.7	-19.4
			16QAM	8	0	23.6	14.3	34.7	-20.4
				8	4	23.7	14.3	34.7	-20.4
				8	7	23.6	14.3	34.7	-20.4
				15	0	23.6	14.3	34.7	-20.4
				1	0	24.0	14.7	34.7	-20.1
				1	8	24.0	14.7	34.7	-20.1
			64QAM	1	14	24.0	14.6	34.7	-20.1
				8	0	22.7	13.4	34.7	-21.3
				8	4	22.8	13.4	34.7	-21.3
				8	7	22.7	13.4	34.7	-21.3
				15	0	22.7	13.3	34.7	-21.4
				1	0	22.5	13.2	34.7	-21.6
64QAM	1	8	22.3	13.0	34.7	-21.8			
	1	14	22.2	12.9	34.7	-21.9			
	8	0	21.1	11.8	34.7	-23.0			
	8	4	21.1	11.8	34.7	-23.0			
	8	7	21.1	11.8	34.7	-23.0			
	15	0	21.0	11.7	34.7	-23.1			

Antenna gain (dBi)		-7.20							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
3.0	23165	714.5	QPSK	1	0	24.6	15.2	34.7	-19.5
				1	8	24.7	15.4	34.7	-19.3
				1	14	24.4	15.0	34.7	-19.7
				8	0	23.7	14.3	34.7	-20.4
				8	4	23.7	14.3	34.7	-20.4
				8	7	23.7	14.3	34.7	-20.4
				15	0	23.7	14.3	34.7	-20.4
			16QAM	1	0	23.5	14.1	34.7	-20.6
				1	8	23.6	14.3	34.7	-20.4
				1	14	23.3	13.9	34.7	-20.8
				8	0	22.8	13.4	34.7	-21.3
				8	4	22.8	13.5	34.7	-21.2
				8	7	22.8	13.4	34.7	-21.3
				15	0	22.7	13.4	34.7	-21.3
			64QAM	1	0	22.0	12.7	34.7	-22.1
				1	8	22.2	12.9	34.7	-21.9
				1	14	22.2	12.9	34.7	-21.9
				8	0	21.1	11.8	34.7	-23.0
				8	4	21.1	11.8	34.7	-23.0
				8	7	21.1	11.8	34.7	-23.0
				15	0	21.1	11.8	34.7	-23.0

Antenna gain (dBi)		-7.20										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)			
5.0	23035	701.5	QPSK	1	0	24.8	15.4	34.7	-19.3			
				1	12	24.8	15.4	34.7	-19.3			
				1	24	24.8	15.4	34.7	-19.3			
				12	0	23.7	14.3	34.7	-20.4			
				12	7	23.8	14.4	34.7	-20.3			
				12	13	23.7	14.4	34.7	-20.3			
			16QAM	25	0	23.7	14.4	34.7	-20.3			
				1	0	23.8	14.5	34.7	-20.2			
				1	12	23.8	14.5	34.7	-20.2			
				1	24	23.8	14.5	34.7	-20.2			
				12	0	22.7	13.4	34.7	-21.3			
				12	7	22.8	13.5	34.7	-21.2			
			64QAM	12	13	22.8	13.4	34.7	-21.3			
				25	0	22.7	13.4	34.7	-21.3			
				1	0	22.3	13.0	34.7	-21.8			
				1	12	22.3	13.0	34.7	-21.8			
				1	24	22.3	13.0	34.7	-21.8			
				12	0	21.1	11.8	34.7	-23.0			
			5.0	23095	707.5	QPSK	12	7	21.1	11.8	34.7	-23.0
							12	13	21.1	11.8	34.7	-23.0
							25	0	21.1	11.8	34.7	-23.0
							1	0	24.7	15.4	34.7	-19.3
							1	12	24.6	15.3	34.7	-19.4
							1	24	24.6	15.3	34.7	-19.4
16QAM	12	0				23.7	14.3	34.7	-20.4			
	12	7				23.7	14.3	34.7	-20.4			
	12	13				23.6	14.3	34.7	-20.4			
	25	0				23.7	14.3	34.7	-20.4			
	1	0				24.0	14.7	34.7	-20.1			
	1	2				24.0	14.7	34.7	-20.1			
64QAM	1	5				24.0	14.7	34.7	-20.1			
	3	0				22.8	13.5	34.7	-21.2			
	3	1				22.8	13.5	34.7	-21.2			
	3	2				22.8	13.4	34.7	-21.3			
	6	0				22.7	13.4	34.7	-21.3			
	1	0				22.5	13.2	34.7	-21.6			
64QAM	1	12	22.4	13.1	34.7	-21.7						
	1	24	22.3	13.0	34.7	-21.8						
	12	0	21.1	11.8	34.7	-23.0						
	12	7	21.1	11.8	34.7	-23.0						
	12	13	21.1	11.8	34.7	-23.0						
	25	0	21.1	11.8	34.7	-23.0						

Antenna gain (dBi)		-7.20							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5.0	23155	713.5	QPSK	1	0	24.7	15.4	34.7	-19.3
				1	12	24.6	15.3	34.7	-19.4
				1	24	24.5	15.2	34.7	-19.5
				12	0	23.6	14.2	34.7	-20.5
				12	7	23.6	14.2	34.7	-20.5
				12	13	23.7	14.3	34.7	-20.4
				25	0	23.6	14.2	34.7	-20.5
			16QAM	1	0	23.8	14.5	34.7	-20.2
				1	12	23.7	14.4	34.7	-20.3
				1	24	23.7	14.3	34.7	-20.4
				12	0	22.7	13.3	34.7	-21.4
				12	7	22.7	13.3	34.7	-21.4
				12	13	22.8	13.4	34.7	-21.3
				25	0	22.6	13.2	34.7	-21.5
			64QAM	1	0	22.3	13.0	34.7	-21.8
				1	12	22.2	12.9	34.7	-21.9
				1	24	22.3	13.0	34.7	-21.8
				12	0	21.0	11.7	34.7	-23.1
				12	7	21.0	11.7	34.7	-23.1
				12	13	21.1	11.8	34.7	-23.0
				25	0	21.0	11.7	34.7	-23.1

Antenna gain (dBi)		-7.20							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10.0	23095	707.5	QPSK	1	0	24.8	15.5	34.7	-19.2
				1	25	24.7	15.4	34.7	-19.3
				1	49	24.6	15.3	34.7	-19.4
				25	0	23.7	14.3	34.7	-20.4
				25	12	23.7	14.3	34.7	-20.4
				25	25	23.6	14.2	34.7	-20.5
			16QAM	50	0	23.6	14.3	34.7	-20.4
				1	0	24.0	14.7	34.7	-20.1
				1	25	24.0	14.6	34.7	-20.1
				1	49	23.9	14.6	34.7	-20.1
				25	0	22.7	13.4	34.7	-21.3
				25	12	22.7	13.4	34.7	-21.3
			64QAM	25	25	22.6	13.3	34.7	-21.4
				50	0	22.7	13.3	34.7	-21.4
				1	0	22.3	13.0	34.7	-21.8
				1	25	22.3	13.0	34.7	-21.8
				1	49	22.2	12.9	34.7	-21.9
				25	0	21.1	11.8	34.7	-23.0
			25	12	21.1	11.8	34.7	-23.0	
			25	25	21.1	11.8	34.7	-23.0	
			50	0	21.0	11.7	34.7	-23.1	

LTE Band 13

Antenna gain (dBi)		-4.90							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
5.0	23230	782.0	QPSK	1	0	23.6	16.6	34.7	-18.1
				1	12	23.6	16.5	34.7	-18.2
				1	24	23.7	16.6	34.7	-18.1
				12	0	22.6	15.5	34.7	-19.2
				12	7	22.6	15.5	34.7	-19.2
				12	13	22.6	15.6	34.7	-19.1
			16QAM	1	0	22.7	15.7	34.7	-19.0
				1	12	22.6	15.6	34.7	-19.1
				1	24	22.7	15.7	34.7	-19.0
				12	0	21.6	14.6	34.7	-20.1
				12	7	21.6	14.6	34.7	-20.1
				12	13	21.7	14.6	34.7	-20.1
			64QAM	25	0	21.5	14.5	34.7	-20.2
				1	0	21.0	14.0	34.7	-20.8
				1	12	21.1	14.1	34.7	-20.7
				1	24	21.1	14.1	34.7	-20.7
				12	0	19.8	12.8	34.7	-22.0
				12	7	19.8	12.8	34.7	-22.0
			12	13	19.8	12.8	34.7	-22.0	
			25	0	19.7	12.7	34.7	-22.1	

Antenna gain (dBi)		-4.90							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
10.0	23230	782.0	QPSK	1	0	23.5	16.5	34.7	-18.2
				1	12	23.5	16.5	34.7	-18.2
				1	24	23.6	16.6	34.7	-18.1
				12	0	22.6	15.6	34.7	-19.1
				12	7	22.6	15.5	34.7	-19.2
				12	13	22.6	15.5	34.7	-19.2
			16QAM	25	0	22.6	15.5	34.7	-19.2
				1	0	22.5	15.5	34.7	-19.2
				1	12	22.5	15.5	34.7	-19.2
				1	24	22.7	15.6	34.7	-19.1
				12	0	21.7	14.7	34.7	-20.0
				12	7	21.7	14.6	34.7	-20.1
			64QAM	12	13	21.7	14.6	34.7	-20.1
				25	0	21.6	14.6	34.7	-20.1
				1	0	21.0	14.0	34.7	-20.8
				1	12	20.8	13.8	34.7	-21.0
				1	24	20.9	13.9	34.7	-20.9
				12	0	19.7	12.7	34.7	-22.1
			12	7	19.7	12.7	34.7	-22.1	
			12	13	19.7	12.7	34.7	-22.1	
			25	0	19.7	12.7	34.7	-22.1	

LTE Band 25

Antenna gain (dBi)		-2.10										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)			
1.4	26047	1850.7	QPSK	1	0	23.4	21.3	33.0	-11.7			
				1	3	23.5	21.4	33.0	-11.6			
				1	5	23.4	21.3	33.0	-11.7			
				3	0	23.5	21.4	33.0	-11.6			
				3	1	23.5	21.4	33.0	-11.6			
				3	3	23.5	21.4	33.0	-11.6			
			16QAM	6	0	22.4	20.3	33.0	-12.7			
				1	0	22.8	20.7	33.0	-12.3			
				1	3	22.9	20.8	33.0	-12.3			
				1	5	22.8	20.7	33.0	-12.3			
				3	0	22.7	20.6	33.0	-12.5			
				3	1	22.7	20.6	33.0	-12.4			
			64QAM	3	3	22.7	20.6	33.0	-12.4			
				6	0	21.4	19.3	33.0	-13.7			
				1	0	22.0	19.9	33.0	-13.1			
				1	3	22.0	19.9	33.0	-13.1			
				1	5	22.0	19.9	33.0	-13.1			
				3	0	21.9	19.8	33.0	-13.2			
			1.4	26365	1882.5	QPSK	3	1	21.9	19.8	33.0	-13.2
							3	3	21.9	19.8	33.0	-13.2
							3	3	21.9	19.8	33.0	-13.2
							6	0	20.8	18.7	33.0	-14.3
							1	0	23.5	21.4	33.0	-11.6
							1	3	23.5	21.4	33.0	-11.6
16QAM	1	5				23.5	21.4	33.0	-11.6			
	3	0				23.5	21.4	33.0	-11.6			
	3	1				23.5	21.4	33.0	-11.6			
	3	3				23.5	21.4	33.0	-11.6			
	6	0				22.5	20.4	33.0	-12.6			
	1	0				22.6	20.5	33.0	-12.5			
64QAM	1	3				22.7	20.6	33.0	-12.4			
	1	5				22.6	20.5	33.0	-12.5			
	3	0				22.6	20.5	33.0	-12.6			
	3	1				22.6	20.5	33.0	-12.5			
	3	3				22.6	20.5	33.0	-12.5			
	6	0				21.7	19.6	33.0	-13.5			
				1	0	22.0	19.9	33.0	-13.1			
				1	3	22.0	19.9	33.0	-13.1			
				1	5	22.0	19.9	33.0	-13.1			
				3	0	22.0	19.9	33.0	-13.1			
				3	1	22.0	19.9	33.0	-13.1			
				3	3	22.0	19.9	33.0	-13.1			
				6	0	20.9	18.8	33.0	-14.2			

Antenna gain (dBi)		-2.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
1.4	26683	1914.3	QPSK	1	0	23.4	21.3	33.0	-11.7
				1	3	23.4	21.3	33.0	-11.7
				1	5	23.4	21.3	33.0	-11.7
				3	0	23.4	21.3	33.0	-11.7
				3	1	23.5	21.4	33.0	-11.6
				3	3	23.5	21.4	33.0	-11.6
			16QAM	6	0	22.4	20.3	33.0	-12.7
				1	0	22.4	20.3	33.0	-12.7
				1	3	22.5	20.4	33.0	-12.6
				1	5	22.4	20.3	33.0	-12.7
				3	0	22.6	20.5	33.0	-12.5
				3	1	22.6	20.5	33.0	-12.5
			64QAM	3	3	22.6	20.5	33.0	-12.5
				6	0	21.6	19.5	33.0	-13.5
				1	0	21.8	19.7	33.0	-13.3
				1	3	21.8	19.7	33.0	-13.3
				1	5	21.7	19.6	33.0	-13.4
				3	0	21.6	19.5	33.0	-13.5
				3	1	21.6	19.5	33.0	-13.5
				3	3	21.6	19.5	33.0	-13.5
			6	0	20.6	18.5	33.0	-14.5	

Antenna gain (dBi)		-2.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3.0	20655	1851.5	QPSK	1	0	23.6	21.5	33.0	-11.6
				1	8	23.6	21.5	33.0	-11.5
				1	14	23.4	21.3	33.0	-11.7
				8	0	22.5	20.4	33.0	-12.6
				8	4	22.5	20.4	33.0	-12.6
				8	7	22.5	20.4	33.0	-12.6
			16QAM	15	0	22.5	20.4	33.0	-12.6
				1	0	22.9	20.8	33.0	-12.2
				1	8	23.0	20.9	33.0	-12.1
				1	14	22.8	20.7	33.0	-12.3
				8	0	21.6	19.5	33.0	-13.5
				8	4	21.6	19.5	33.0	-13.5
			64QAM	8	7	21.6	19.5	33.0	-13.5
				15	0	21.6	19.5	33.0	-13.5
				1	0	22.0	19.9	33.0	-13.1
				1	8	22.0	19.9	33.0	-13.1
				1	14	22.0	19.9	33.0	-13.1
				8	0	20.8	18.7	33.0	-14.3
3.0	26365	1882.5	QPSK	8	4	20.9	18.8	33.0	-14.2
				8	7	20.8	18.7	33.0	-14.3
				15	0	20.8	18.7	33.0	-14.3
				1	0	23.4	21.3	33.0	-11.7
				1	8	23.5	21.4	33.0	-11.6
				1	14	23.4	21.3	33.0	-11.7
			16QAM	8	0	22.4	20.3	33.0	-12.7
				8	4	22.4	20.3	33.0	-12.7
				8	7	22.5	20.4	33.0	-12.6
				15	0	22.5	20.4	33.0	-12.7
				1	0	22.3	20.2	33.0	-12.8
				1	8	22.4	20.3	33.0	-12.7
			64QAM	1	14	22.3	20.2	33.0	-12.8
				8	0	21.6	19.5	33.0	-13.5
				8	4	21.6	19.5	33.0	-13.5
				8	7	21.5	19.4	33.0	-13.6
				15	0	21.5	19.4	33.0	-13.6
				1	0	21.8	19.7	33.0	-13.3
64QAM	1	8	21.8	19.7	33.0	-13.3			
	1	14	21.8	19.7	33.0	-13.3			
	8	0	20.7	18.6	33.0	-14.4			
	8	4	20.7	18.6	33.0	-14.4			
	8	7	20.7	18.6	33.0	-14.4			
	15	0	20.7	18.6	33.0	-14.4			

Antenna gain (dBi)		-2.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3.0	26675	1913.5	QPSK	1	0	23.5	21.4	33.0	-11.6
				1	8	23.6	21.5	33.0	-11.6
				1	14	23.4	21.3	33.0	-11.7
				8	0	22.5	20.4	33.0	-12.6
				8	4	22.5	20.4	33.0	-12.6
				8	7	22.5	20.4	33.0	-12.6
				15	0	22.5	20.4	33.0	-12.6
			16QAM	1	0	22.6	20.5	33.0	-12.6
				1	8	22.6	20.5	33.0	-12.5
				1	14	22.5	20.4	33.0	-12.6
				8	0	21.6	19.5	33.0	-13.6
				8	4	21.6	19.5	33.0	-13.5
				8	7	21.6	19.5	33.0	-13.5
				15	0	21.5	19.4	33.0	-13.6
			64QAM	1	0	21.8	19.7	33.0	-13.3
				1	8	21.8	19.7	33.0	-13.3
				1	14	21.7	19.6	33.0	-13.4
				8	0	20.7	18.6	33.0	-14.4
				8	4	20.7	18.6	33.0	-14.4
				8	7	20.7	18.6	33.0	-14.4
				15	0	20.6	18.5	33.0	-14.5

Antenna gain (dBi)		-2.10										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)			
5.0	26065	1852.5	QPSK	1	0	23.6	21.5	33.0	-11.5			
				1	12	23.5	21.4	33.0	-11.6			
				1	24	23.5	21.4	33.0	-11.6			
				12	0	22.6	20.5	33.0	-12.5			
				12	7	22.5	20.4	33.0	-12.6			
				12	13	22.5	20.4	33.0	-12.6			
				25	0	22.5	20.4	33.0	-12.6			
			16QAM	1	0	23.0	20.9	33.0	-12.1			
				1	12	23.0	20.9	33.0	-12.1			
				1	24	23.0	20.9	33.0	-12.1			
				12	0	21.8	19.7	33.0	-13.3			
				12	7	21.7	19.6	33.0	-13.4			
				12	13	21.7	19.6	33.0	-13.4			
				25	0	21.6	19.5	33.0	-13.5			
			64QAM	1	0	22.0	19.9	33.0	-13.1			
				1	12	22.0	19.9	33.0	-13.1			
				1	24	22.0	19.9	33.0	-13.1			
				12	0	20.9	18.8	33.0	-14.2			
				12	7	20.8	18.7	33.0	-14.3			
				12	13	20.7	18.6	33.0	-14.4			
				25	0	20.8	18.7	33.0	-14.3			
			5.0	26365	1882.5	QPSK	1	0	23.6	21.5	33.0	-11.6
							1	12	23.5	21.4	33.0	-11.6
							1	24	23.5	21.4	33.0	-11.6
12	0	22.4					20.3	33.0	-12.7			
12	7	22.4					20.3	33.0	-12.7			
12	13	22.4					20.3	33.0	-12.7			
25	0	22.5					20.4	33.0	-12.7			
16QAM	1	0				22.7	20.6	33.0	-12.4			
	1	2				22.6	20.5	33.0	-12.5			
	1	5				22.6	20.5	33.0	-12.5			
	3	0				21.6	19.5	33.0	-13.6			
	3	1				21.6	19.5	33.0	-13.6			
	3	2				21.5	19.4	33.0	-13.6			
	6	0				21.5	19.4	33.0	-13.6			
64QAM	1	0				22.0	19.9	33.0	-13.1			
	1	12				22.0	19.9	33.0	-13.1			
	1	24				21.9	19.8	33.0	-13.2			
	12	0				20.7	18.6	33.0	-14.4			
	12	7				20.7	18.6	33.0	-14.4			
	12	13				20.7	18.6	33.0	-14.4			
	25	0				20.7	18.6	33.0	-14.4			

Antenna gain (dBi)		-2.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5.0	26665	1912.5	QPSK	1	0	23.6	21.5	33.0	-11.5
				1	12	23.5	21.4	33.0	-11.6
				1	24	23.5	21.4	33.0	-11.6
				12	0	22.5	20.4	33.0	-12.6
				12	7	22.5	20.4	33.0	-12.6
				12	13	22.5	20.4	33.0	-12.6
				25	0	22.5	20.4	33.0	-12.6
			16QAM	1	0	22.7	20.6	33.0	-12.4
				1	12	22.6	20.5	33.0	-12.5
				1	24	22.6	20.5	33.0	-12.5
				12	0	21.6	19.5	33.0	-13.5
				12	7	21.6	19.5	33.0	-13.5
				12	13	21.5	19.4	33.0	-13.6
				25	0	21.5	19.4	33.0	-13.7
			64QAM	1	0	22.0	19.9	33.0	-13.1
				1	12	22.0	19.9	33.0	-13.1
				1	24	22.0	19.9	33.0	-13.1
				12	0	20.7	18.6	33.0	-14.4
				12	7	20.7	18.6	33.0	-14.4
				12	13	20.7	18.6	33.0	-14.4
				25	0	20.6	18.5	33.0	-14.5

Antenna gain (dBi)		-2.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10.0	26090	1855.0	QPSK	1	0	23.7	21.6	33.0	-11.4
				1	25	23.3	21.2	33.0	-11.8
				1	49	23.4	21.3	33.0	-11.7
				25	0	22.4	20.3	33.0	-12.7
				25	12	22.3	20.2	33.0	-12.8
				25	25	22.3	20.2	33.0	-12.8
			16QAM	50	0	22.3	20.2	33.0	-12.8
				1	0	23.0	20.9	33.0	-12.1
				1	25	22.6	20.5	33.0	-12.5
				1	49	22.8	20.7	33.0	-12.3
				25	0	21.4	19.3	33.0	-13.7
				25	12	21.4	19.3	33.0	-13.8
			64QAM	25	25	21.3	19.2	33.0	-13.8
				50	0	21.4	19.3	33.0	-13.8
				1	0	22.0	19.9	33.0	-13.1
				1	25	22.0	19.9	33.0	-13.1
				1	49	22.0	19.9	33.0	-13.1
				25	0	20.6	18.5	33.0	-14.5
				25	12	20.6	18.5	33.0	-14.5
				25	25	20.6	18.5	33.0	-14.5
				50	0	20.6	18.5	33.0	-14.5
10.0	26365	1882.5	QPSK	1	0	23.7	21.6	33.0	-11.4
				1	25	23.4	21.3	33.0	-11.7
				1	49	23.6	21.5	33.0	-11.5
				25	0	22.5	20.4	33.0	-12.6
				25	12	22.4	20.3	33.0	-12.7
				25	25	22.4	20.3	33.0	-12.7
			16QAM	50	0	22.5	20.4	33.0	-12.6
				1	0	22.7	20.6	33.0	-12.5
				1	25	22.3	20.2	33.0	-12.8
				1	49	22.6	20.5	33.0	-12.5
				25	0	21.5	19.4	33.0	-13.6
				25	12	21.5	19.4	33.0	-13.6
			64QAM	25	25	21.5	19.4	33.0	-13.7
				50	0	21.5	19.4	33.0	-13.6
				1	0	22.0	19.9	33.0	-13.1
				1	25	22.0	19.9	33.0	-13.1
				1	49	22.0	19.9	33.0	-13.1
				25	0	20.8	18.7	33.0	-14.3
				25	12	20.8	18.7	33.0	-14.3
				25	25	20.7	18.6	33.0	-14.4
				50	0	20.6	18.5	33.0	-14.5

Antenna gain (dBi)		-2.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10.0	26640	1910.0	QPSK	1	0	23.6	21.5	33.0	-11.5
				1	25	23.5	21.4	33.0	-11.7
				1	49	23.4	21.3	33.0	-11.7
				25	0	22.6	20.5	33.0	-12.5
				25	12	22.5	20.4	33.0	-12.6
				25	25	22.5	20.4	33.0	-12.6
				50	0	22.5	20.4	33.0	-12.6
			16QAM	1	0	22.7	20.6	33.0	-12.4
				1	25	22.5	20.4	33.0	-12.6
				1	49	22.4	20.3	33.0	-12.7
				25	0	21.7	19.6	33.0	-13.4
				25	12	21.7	19.6	33.0	-13.4
				25	25	21.6	19.5	33.0	-13.5
				50	0	21.6	19.5	33.0	-13.5
			64QAM	1	0	22.0	19.9	33.0	-13.1
				1	25	21.9	19.8	33.0	-13.2
				1	49	21.8	19.7	33.0	-13.3
				25	0	20.7	18.6	33.0	-14.4
				25	12	20.7	18.6	33.0	-14.4
				25	25	20.7	18.6	33.0	-14.4
				50	0	20.7	18.6	33.0	-14.4

Antenna gain (dBi)		-2.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15.0	26115	1857.0	QPSK	1	0	23.6	21.5	33.0	-11.5
				1	37	23.3	21.2	33.0	-11.8
				1	74	23.3	21.2	33.0	-11.8
				36	0	22.4	20.3	33.0	-12.7
				36	20	22.3	20.2	33.0	-12.8
				36	39	22.3	20.2	33.0	-12.8
				75	0	22.3	20.2	33.0	-12.8
			16QAM	1	0	23.0	20.9	33.0	-12.2
				1	37	22.6	20.5	33.0	-12.5
				1	74	22.7	20.6	33.0	-12.4
				36	0	21.5	19.4	33.0	-13.6
				36	20	21.4	19.3	33.0	-13.7
				36	39	21.3	19.2	33.0	-13.8
				75	0	21.4	19.3	33.0	-13.7
			64QAM	1	0	21.7	19.6	33.0	-13.4
				1	37	21.4	19.3	33.0	-13.7
				1	74	21.6	19.5	33.0	-13.5
				36	0	20.7	18.6	33.0	-14.4
				36	20	20.7	18.6	33.0	-14.4
				36	39	20.7	18.6	33.0	-14.4
				75	0	20.7	18.6	33.0	-14.4
15.0	26365	1882.5	QPSK	1	0	23.6	21.5	33.0	-11.5
				1	37	23.4	21.3	33.0	-11.7
				1	74	23.4	21.3	33.0	-11.7
				36	0	22.5	20.4	33.0	-12.6
				36	20	22.5	20.4	33.0	-12.6
				36	39	22.4	20.3	33.0	-12.7
				75	0	22.5	20.4	33.0	-12.6
			16QAM	1	0	22.5	20.4	33.0	-12.6
				1	37	22.3	20.2	33.0	-12.8
				1	74	22.4	20.3	33.0	-12.7
				36	0	21.6	19.5	33.0	-13.5
				36	20	21.5	19.4	33.0	-13.6
				36	39	21.4	19.3	33.0	-13.7
				75	0	21.5	19.4	33.0	-13.6
			64QAM	1	0	21.6	19.5	33.0	-13.5
				1	37	21.5	19.4	33.0	-13.6
				1	74	21.5	19.4	33.0	-13.6
				36	0	20.7	18.6	33.0	-14.4
				36	20	20.7	18.6	33.0	-14.4
				36	39	20.7	18.6	33.0	-14.4
				75	0	20.7	18.6	33.0	-14.4

Antenna gain (dBi)		-2.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15.0	26615	1907.5	QPSK	1	0	23.8	21.7	33.0	-11.3
				1	37	23.5	21.4	33.0	-11.6
				1	74	23.5	21.4	33.0	-11.6
				36	0	22.6	20.5	33.0	-12.5
				36	20	22.6	20.5	33.0	-12.6
				36	39	22.5	20.4	33.0	-12.6
				75	0	22.6	20.5	33.0	-12.6
			16QAM	1	0	23.0	20.9	33.0	-12.1
				1	37	22.9	20.8	33.0	-12.2
				1	74	22.8	20.7	33.0	-12.3
				36	0	21.6	19.5	33.0	-13.5
				36	20	21.6	19.5	33.0	-13.5
				36	39	21.5	19.4	33.0	-13.6
				75	0	21.6	19.5	33.0	-13.5
			64QAM	1	0	21.6	19.5	33.0	-13.5
				1	37	21.4	19.3	33.0	-13.7
				1	74	21.4	19.3	33.0	-13.7
				36	0	20.8	18.7	33.0	-14.3
				36	20	20.8	18.7	33.0	-14.3
				36	39	20.8	18.7	33.0	-14.3
				75	0	20.7	18.6	33.0	-14.4

Antenna gain (dBi)		-2.10							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20.0	26140	1860.0	QPSK	1	0	23.7	21.6	33.0	-11.4
				1	49	23.2	21.1	33.0	-11.9
				1	99	23.4	21.3	33.0	-11.7
				50	0	22.4	20.3	33.0	-12.7
				50	24	22.3	20.2	33.0	-12.8
				50	50	22.3	20.2	33.0	-12.8
			100	0	22.4	20.3	33.0	-12.7	
			16QAM	1	0	23.0	20.9	33.0	-12.1
				1	49	22.7	20.6	33.0	-12.4
				1	99	22.8	20.7	33.0	-12.3
				50	0	21.4	19.3	33.0	-13.7
				50	24	21.3	19.2	33.0	-13.8
				50	50	21.3	19.2	33.0	-13.8
			64QAM	100	0	21.4	19.3	33.0	-13.7
				1	0	21.7	19.6	33.0	-13.4
				1	49	21.3	19.2	33.0	-13.8
				1	99	21.4	19.3	33.0	-13.7
				50	0	20.6	18.5	33.0	-14.5
50	24	20.6		18.5	33.0	-14.5			
20.0	26365	1882.5	QPSK	50	50	20.6	18.5	33.0	-14.5
				50	50	20.6	18.5	33.0	-14.5
				100	0	20.7	18.6	33.0	-14.4
				1	0	23.8	21.7	33.0	-11.3
				1	49	23.4	21.3	33.0	-11.7
				1	99	23.6	21.5	33.0	-11.5
			16QAM	50	0	22.5	20.4	33.0	-12.6
				50	24	22.5	20.4	33.0	-12.6
				50	50	22.5	20.4	33.0	-12.6
				100	0	22.5	20.4	33.0	-12.6
				1	0	23.0	20.9	33.0	-12.1
				1	49	22.9	20.8	33.0	-12.2
			64QAM	1	99	23.0	20.9	33.0	-12.1
				50	0	21.6	19.5	33.0	-13.5
				50	24	21.5	19.4	33.0	-13.6
				50	50	21.5	19.4	33.0	-13.6
				100	0	21.5	19.4	33.0	-13.6
				1	0	21.7	19.6	33.0	-13.4
64QAM	1	49	21.3	19.2	33.0	-13.8			
	1	99	21.3	19.2	33.0	-13.8			
	50	0	20.8	18.7	33.0	-14.3			
	50	24	20.8	18.7	33.0	-14.3			
	50	50	20.8	18.7	33.0	-14.3			
	100	0	20.7	18.6	33.0	-14.4			

Antenna gain (dBi)		-2.10							
Bandwidth	UL Channel	-1.5	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20.0	590	1905.0	QPSK	1	0	23.7	21.6	33.0	-11.4
				1	49	23.5	21.4	33.0	-11.6
				1	99	23.4	21.3	33.0	-11.7
				50	0	22.7	20.6	33.0	-12.4
				50	24	22.6	20.5	33.0	-12.5
				50	50	22.5	20.4	33.0	-12.6
				100	0	22.6	20.5	33.0	-12.5
			16QAM	1	0	23.0	20.9	33.0	-12.1
				1	49	22.9	20.8	33.0	-12.2
				1	99	22.8	20.7	33.0	-12.3
				50	0	21.7	19.6	33.0	-13.4
				50	24	21.6	19.5	33.0	-13.6
				50	50	21.5	19.4	33.0	-13.6
				100	0	21.6	19.5	33.0	-13.5
			64QAM	1	0	21.7	19.6	33.0	-13.4
				1	49	21.4	19.3	33.0	-13.7
				1	99	21.4	19.3	33.0	-13.7
				50	0	20.9	18.8	33.0	-14.2
				50	24	20.8	18.7	33.0	-14.3
				50	50	20.7	18.6	33.0	-14.4
				100	0	20.7	18.6	33.0	-14.4

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Antenna gain (dBi)		-2.70										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)			
5.0	39675	2498.5	QPSK	1	0	24.5	21.8	33.0	-11.3			
				1	12	24.4	21.7	33.0	-11.3			
				1	24	24.4	21.7	33.0	-11.3			
				12	0	23.5	20.8	33.0	-12.2			
				12	7	23.5	20.8	33.0	-12.2			
				12	13	23.4	20.7	33.0	-12.3			
			16QAM	25	0	23.5	20.8	33.0	-12.3			
				1	0	23.4	20.7	33.0	-12.3			
				1	12	23.4	20.7	33.0	-12.4			
				1	24	23.3	20.6	33.0	-12.4			
				12	0	22.4	19.7	33.0	-13.3			
				12	7	22.4	19.7	33.0	-13.3			
			64QAM	12	13	22.4	19.7	33.0	-13.3			
				25	0	22.4	19.7	33.0	-13.3			
				1	0	22.4	19.7	33.0	-13.3			
				1	12	22.4	19.7	33.0	-13.3			
				1	24	22.4	19.7	33.0	-13.3			
				12	0	20.9	18.2	33.0	-14.8			
			5.0	40620	2593.0	QPSK	12	7	20.9	18.2	33.0	-14.8
							12	13	20.9	18.2	33.0	-14.8
							12	13	20.9	18.2	33.0	-14.8
							25	0	20.9	18.2	33.0	-14.8
							1	0	24.6	21.9	33.0	-11.2
							1	12	24.5	21.8	33.0	-11.2
16QAM	1	24				24.5	21.8	33.0	-11.2			
	12	0				23.6	20.9	33.0	-12.1			
	12	7				23.6	20.9	33.0	-12.1			
	12	13				23.5	20.8	33.0	-12.2			
	25	0				23.5	20.8	33.0	-12.2			
	1	0				23.7	21.0	33.0	-12.1			
64QAM	1	2				23.6	20.9	33.0	-12.1			
	1	5				23.6	20.9	33.0	-12.1			
	3	0				22.6	19.9	33.0	-13.1			
	3	1				22.6	19.9	33.0	-13.1			
	3	2				22.6	19.9	33.0	-13.1			
	6	0				22.5	19.8	33.0	-13.2			
64QAM	1	0				22.0	19.3	33.0	-13.7			
	1	12				22.0	19.3	33.0	-13.7			
	1	24				22.0	19.3	33.0	-13.7			
	12	0				21.0	18.3	33.0	-14.7			
	12	7				21.0	18.3	33.0	-14.7			
	12	13				21.0	18.3	33.0	-14.7			
				25	0	21.0	18.3	33.0	-14.7			

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5.0	41565	2687.5	QPSK	1	0	24.4	21.7	33.0	-11.3
				1	12	24.5	21.8	33.0	-11.3
				1	24	24.4	21.7	33.0	-11.4
				12	0	23.5	20.8	33.0	-12.2
				12	7	23.5	20.8	33.0	-12.2
				12	13	23.5	20.8	33.0	-12.2
				25	0	23.4	20.7	33.0	-12.3
			16QAM	1	0	23.5	20.8	33.0	-12.2
				1	12	23.4	20.7	33.0	-12.3
				1	24	23.4	20.7	33.0	-12.3
				12	0	22.5	19.8	33.0	-13.2
				12	7	22.5	19.8	33.0	-13.2
				12	13	22.5	19.8	33.0	-13.2
				25	0	22.5	19.8	33.0	-13.2
			64QAM	1	0	22.0	19.3	33.0	-13.7
				1	12	22.0	19.3	33.0	-13.7
				1	24	21.9	19.2	33.0	-13.8
				12	0	21.0	18.3	33.0	-14.7
				12	7	21.0	18.3	33.0	-14.7
				12	13	21.0	18.3	33.0	-14.7
				25	0	20.9	18.2	33.0	-14.8

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10.0	39700	2501.0	QPSK	1	0	24.5	21.8	33.0	-11.2
				1	25	24.3	21.6	33.0	-11.4
				1	49	24.3	21.6	33.0	-11.5
				25	0	23.4	20.7	33.0	-12.3
				25	12	23.4	20.7	33.0	-12.3
				25	25	23.4	20.7	33.0	-12.3
				50	0	23.4	20.7	33.0	-12.3
			16QAM	1	0	23.5	20.8	33.0	-12.2
				1	25	23.3	20.6	33.0	-12.4
				1	49	23.3	20.6	33.0	-12.5
				25	0	22.4	19.7	33.0	-13.3
				25	12	22.4	19.7	33.0	-13.3
				25	25	22.4	19.7	33.0	-13.3
				50	0	22.4	19.7	33.0	-13.3
			64QAM	1	0	22.5	19.8	33.0	-13.2
				1	25	22.5	19.8	33.0	-13.2
				1	49	22.3	19.6	33.0	-13.4
				25	0	21.0	18.3	33.0	-14.7
				25	12	21.0	18.3	33.0	-14.7
				25	25	20.9	18.2	33.0	-14.8
				50	0	20.9	18.2	33.0	-14.8
10.0	40620	2593.0	QPSK	1	0	24.5	21.8	33.0	-11.2
				1	25	24.5	21.8	33.0	-11.2
				1	49	24.4	21.7	33.0	-11.3
				25	0	23.6	20.9	33.0	-12.1
				25	12	23.6	20.9	33.0	-12.1
				25	25	23.5	20.8	33.0	-12.2
				50	0	23.5	20.8	33.0	-12.2
			16QAM	1	0	23.6	20.9	33.0	-12.1
				1	25	23.6	20.9	33.0	-12.1
				1	49	23.6	20.9	33.0	-12.2
				25	0	22.6	19.9	33.0	-13.1
				25	12	22.5	19.8	33.0	-13.2
				25	25	22.5	19.8	33.0	-13.2
				50	0	22.5	19.8	33.0	-13.2
			64QAM	1	0	21.7	19.0	33.0	-14.0
				1	25	21.7	19.0	33.0	-14.0
				1	49	21.7	19.0	33.0	-14.0
				25	0	20.9	18.2	33.0	-14.8
				25	12	20.9	18.2	33.0	-14.8
				25	25	20.9	18.2	33.0	-14.8
				50	0	20.9	18.2	33.0	-14.8

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10.0	41540	2685.0	QPSK	1	0	24.5	21.8	33.0	-11.2
				1	25	24.5	21.8	33.0	-11.2
				1	49	24.5	21.8	33.0	-11.2
				25	0	23.5	20.8	33.0	-12.2
				25	12	23.5	20.8	33.0	-12.2
				25	25	23.5	20.8	33.0	-12.2
				50	0	23.5	20.8	33.0	-12.2
			16QAM	1	0	23.4	20.7	33.0	-12.3
				1	25	23.4	20.7	33.0	-12.3
				1	49	23.4	20.7	33.0	-12.3
				25	0	22.6	19.9	33.0	-13.2
				25	12	22.5	19.8	33.0	-13.2
				25	25	22.5	19.8	33.0	-13.2
				50	0	22.5	19.8	33.0	-13.2
			64QAM	1	0	21.8	19.1	33.0	-13.9
				1	25	21.7	19.0	33.0	-14.0
				1	49	21.6	18.9	33.0	-14.1
				25	0	20.9	18.2	33.0	-14.8
				25	12	20.9	18.2	33.0	-14.8
				25	25	20.9	18.2	33.0	-14.8
				50	0	20.8	18.1	33.0	-14.9

Antenna gain (dBi)		-2.70										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)			
15.0	39725	2503.5	QPSK	1	0	24.7	22.0	33.0	-11.1			
				1	37	24.3	21.6	33.0	-11.4			
				1	74	24.3	21.6	33.0	-11.5			
				36	0	23.6	20.9	33.0	-12.2			
				36	20	23.4	20.7	33.0	-12.3			
				36	39	23.4	20.7	33.0	-12.4			
				75	0	23.4	20.7	33.0	-12.3			
			16QAM	1	0	23.6	20.9	33.0	-12.1			
				1	37	23.3	20.6	33.0	-12.4			
				1	74	23.3	20.6	33.0	-12.5			
				36	0	22.5	19.8	33.0	-13.2			
				36	20	22.4	19.7	33.0	-13.3			
				36	39	22.4	19.7	33.0	-13.4			
				75	0	22.4	19.7	33.0	-13.3			
			64QAM	1	0	22.6	19.9	33.0	-13.1			
				1	37	22.5	19.8	33.0	-13.2			
				1	74	22.3	19.6	33.0	-13.4			
				36	0	21.0	18.3	33.0	-14.7			
				36	20	21.0	18.3	33.0	-14.7			
				36	39	20.9	18.2	33.0	-14.8			
				75	0	20.9	18.2	33.0	-14.8			
			15.0	40620	2593.0	QPSK	1	0	24.6	21.9	33.0	-11.1
							1	37	24.5	21.8	33.0	-11.3
							1	74	24.4	21.7	33.0	-11.3
36	0	23.5					20.8	33.0	-12.2			
36	20	23.6					20.9	33.0	-12.2			
36	39	23.5					20.8	33.0	-12.2			
75	0	23.5					20.8	33.0	-12.2			
16QAM	1	0				23.7	21.0	33.0	-12.0			
	1	37				23.6	20.9	33.0	-12.2			
	1	74				23.4	20.7	33.0	-12.3			
	36	0				22.5	19.8	33.0	-13.2			
	36	20				22.6	19.9	33.0	-13.2			
	36	39				22.5	19.8	33.0	-13.2			
	75	0				22.5	19.8	33.0	-13.2			
64QAM	1	0				21.8	19.1	33.0	-13.9			
	1	37				21.7	19.0	33.0	-14.0			
	1	74				21.7	19.0	33.0	-14.0			
	36	0				21.0	18.3	33.0	-14.7			
	36	20				21.0	18.3	33.0	-14.7			
	36	39				21.0	18.3	33.0	-14.7			
	75	0				21.0	18.3	33.0	-14.7			

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15.0	41515	2682.5	QPSK	1	0	24.7	22.0	33.0	-11.0
				1	37	24.5	21.8	33.0	-11.2
				1	74	24.5	21.8	33.0	-11.2
				36	0	23.4	20.7	33.0	-12.3
				36	20	23.4	20.7	33.0	-12.4
				36	39	23.5	20.8	33.0	-12.2
				75	0	23.2	20.5	33.0	-12.6
			16QAM	1	0	23.6	20.9	33.0	-12.1
				1	37	23.4	20.7	33.0	-12.3
				1	74	23.5	20.8	33.0	-12.3
				36	0	22.5	19.8	33.0	-13.2
				36	20	22.5	19.8	33.0	-13.2
				36	39	22.6	19.9	33.0	-13.2
				75	0	22.3	19.6	33.0	-13.4
			64QAM	1	0	21.8	19.1	33.0	-13.9
				1	37	21.7	19.0	33.0	-14.0
				1	74	21.6	18.9	33.0	-14.1
				36	0	21.1	18.4	33.0	-14.6
				36	20	21.0	18.3	33.0	-14.7
				36	39	21.0	18.3	33.0	-14.7
				75	0	20.9	18.2	33.0	-14.8

Antenna gain (dBi)		-2.70										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)			
20.0	39750	2506.0	QPSK	1	0	24.7	22.0	33.0	-11.0			
				1	49	24.4	21.7	33.0	-11.3			
				1	99	24.4	21.7	33.0	-11.3			
				50	0	23.7	21.0	33.0	-12.1			
				50	24	23.5	20.8	33.0	-12.2			
				50	50	23.4	20.7	33.0	-12.3			
			16QAM	100	0	23.5	20.8	33.0	-12.2			
				1	0	23.6	20.9	33.0	-12.1			
				1	49	23.3	20.6	33.0	-12.4			
				1	99	23.2	20.5	33.0	-12.5			
				50	0	22.7	20.0	33.0	-13.1			
				50	24	22.5	19.8	33.0	-13.2			
			64QAM	50	50	22.4	19.7	33.0	-13.3			
				100	0	22.5	19.8	33.0	-13.2			
				1	0	21.8	19.1	33.0	-13.9			
				1	49	21.6	18.9	33.0	-14.1			
				1	99	21.4	18.7	33.0	-14.3			
				50	0	21.1	18.4	33.0	-14.6			
			20.0	40620	2593.0	QPSK	50	24	21.0	18.3	33.0	-14.7
							50	50	20.9	18.2	33.0	-14.8
							100	0	20.9	18.2	33.0	-14.8
1	0	24.8					22.1	33.0	-10.9			
1	49	24.6					21.9	33.0	-11.1			
1	99	24.5					21.8	33.0	-11.2			
16QAM	50	0				23.6	20.9	33.0	-12.1			
	50	24				23.6	20.9	33.0	-12.1			
	50	50				23.5	20.8	33.0	-12.2			
	100	0				23.6	20.9	33.0	-12.1			
	1	0				23.8	21.1	33.0	-11.9			
	1	49				23.7	21.0	33.0	-12.1			
64QAM	1	99				23.5	20.8	33.0	-12.2			
	50	0				22.6	19.9	33.0	-13.1			
	50	24				22.6	19.9	33.0	-13.1			
	50	50				22.6	19.9	33.0	-13.2			
	100	0				22.6	19.9	33.0	-13.1			
	1	0				21.0	18.3	33.0	-14.7			
	1	49				21.0	18.3	33.0	-14.7			
	1	99				21.1	18.4	33.0	-14.6			
	50	0				20.8	18.1	33.0	-14.9			
50	24	20.9	18.2	33.0	-14.8							
50	50	20.9	18.2	33.0	-14.8							
100	0	20.9	18.2	33.0	-14.8							

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	-1.5	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20.0	41490	2680.0	QPSK	1	0	24.6	21.9	33.0	-11.1
				1	49	24.5	21.8	33.0	-11.2
				1	99	24.5	21.8	33.0	-11.2
				50	0	23.5	20.8	33.0	-12.3
				50	24	23.6	20.9	33.0	-12.1
				50	50	23.6	20.9	33.0	-12.1
				100	0	23.2	20.5	33.0	-12.5
			16QAM	1	0	23.6	20.9	33.0	-12.1
				1	49	23.5	20.8	33.0	-12.2
				1	99	23.5	20.8	33.0	-12.2
				50	0	22.6	19.9	33.0	-13.1
				50	24	22.6	19.9	33.0	-13.1
				50	50	22.6	19.9	33.0	-13.1
				100	0	22.4	19.7	33.0	-13.3
			64QAM	1	0	21.8	19.1	33.0	-13.9
				1	49	21.5	18.8	33.0	-14.2
				1	99	21.4	18.7	33.0	-14.3
				50	0	21.0	18.3	33.0	-14.7
				50	24	20.9	18.2	33.0	-14.8
				50	50	20.9	18.2	33.0	-14.8
				100	0	21.0	18.3	33.0	-14.7

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Antenna gain (dBi)		-2.70										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)			
1.4	131979	1710.7	QPSK	1	0	24.2	21.5	33.0	-11.5			
				1	3	24.2	21.5	33.0	-11.5			
				1	5	24.2	21.5	33.0	-11.5			
				3	0	24.1	21.4	33.0	-11.7			
				3	1	24.1	21.4	33.0	-11.6			
				3	3	24.2	21.5	33.0	-11.5			
			16QAM	6	0	23.3	20.6	33.0	-12.4			
				1	0	23.3	20.6	33.0	-12.4			
				1	3	23.4	20.7	33.0	-12.3			
				1	5	23.3	20.6	33.0	-12.4			
				3	0	23.4	20.7	33.0	-12.3			
				3	1	23.4	20.7	33.0	-12.3			
			64QAM	3	3	23.5	20.8	33.0	-12.2			
				6	0	22.5	19.8	33.0	-13.2			
				1	0	21.5	18.8	33.0	-14.3			
				1	3	21.6	18.9	33.0	-14.2			
				1	5	21.4	18.7	33.0	-14.3			
				3	0	21.3	18.6	33.0	-14.4			
			1.4	132322	1745.0	QPSK	3	1	21.4	18.7	33.0	-14.3
							3	3	21.3	18.6	33.0	-14.4
							3	3	21.3	18.6	33.0	-14.4
							6	0	20.3	17.6	33.0	-15.5
							1	0	24.2	21.5	33.0	-11.5
							1	3	24.3	21.6	33.0	-11.4
16QAM	1	5				24.2	21.5	33.0	-11.5			
	3	0				24.2	21.5	33.0	-11.5			
	3	1				24.3	21.6	33.0	-11.4			
	3	3				24.3	21.6	33.0	-11.4			
	6	0				23.3	20.6	33.0	-12.4			
	1	0				23.3	20.6	33.0	-12.5			
64QAM	1	3				23.3	20.6	33.0	-12.4			
	1	5				23.3	20.6	33.0	-12.4			
	3	0				23.4	20.7	33.0	-12.3			
	3	1				23.5	20.8	33.0	-12.2			
	3	3				23.5	20.8	33.0	-12.2			
	6	0				22.5	19.8	33.0	-13.3			
1.4	132322	1745.0	64QAM	1	0	21.2	18.5	33.0	-14.5			
				1	3	21.3	18.6	33.0	-14.5			
				1	5	21.2	18.5	33.0	-14.5			
				3	0	21.2	18.5	33.0	-14.5			
				3	1	21.2	18.5	33.0	-14.5			
				3	3	21.2	18.5	33.0	-14.6			
6	0	20.2	17.5	33.0	-15.5							

Antenna gain (dBi)		-2.70									
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)		
1.4	132665	1779.3	QPSK	1	0	24.3	21.6	33.0	-11.4		
				1	3	24.3	21.6	33.0	-11.4		
				1	5	24.3	21.6	33.0	-11.5		
				3	0	24.3	21.6	33.0	-11.4		
				3	1	24.3	21.6	33.0	-11.4		
				3	3	24.3	21.6	33.0	-11.4		
			16QAM	6	0	23.3	20.6	33.0	-12.4		
				1	0	23.3	20.6	33.0	-12.4		
				1	3	23.4	20.7	33.0	-12.3		
				1	5	23.3	20.6	33.0	-12.4		
				3	0	23.4	20.7	33.0	-12.4		
				3	1	23.4	20.7	33.0	-12.3		
			64QAM	3	3	23.4	20.7	33.0	-12.3		
				6	0	22.4	19.7	33.0	-13.3		
				1	0	21.3	18.6	33.0	-14.4		
				1	3	21.4	18.7	33.0	-14.3		
				1	5	21.3	18.6	33.0	-14.4		
				3	0	21.2	18.5	33.0	-14.5		
						3	1	21.2	18.5	33.0	-14.5
						3	3	21.2	18.5	33.0	-14.5
						6	0	20.1	17.4	33.0	-15.6

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3.0	131987	1711.5	QPSK	1	0	24.4	21.7	33.0	-11.3
				1	8	24.5	21.8	33.0	-11.2
				1	14	24.4	21.7	33.0	-11.3
				8	0	23.5	20.8	33.0	-12.2
				8	4	23.5	20.8	33.0	-12.2
				8	7	23.5	20.8	33.0	-12.2
				15	0	23.5	20.8	33.0	-12.2
			16QAM	1	0	23.5	20.8	33.0	-12.2
				1	8	23.5	20.8	33.0	-12.2
				1	14	23.5	20.8	33.0	-12.2
				8	0	22.5	19.8	33.0	-13.2
				8	4	22.5	19.8	33.0	-13.2
				8	7	22.5	19.8	33.0	-13.2
				15	0	22.5	19.8	33.0	-13.2
			64QAM	1	0	21.6	18.9	33.0	-14.2
				1	8	21.6	18.9	33.0	-14.1
				1	14	21.5	18.8	33.0	-14.2
				8	0	20.4	17.7	33.0	-15.4
				8	4	20.3	17.6	33.0	-15.4
				8	7	20.3	17.6	33.0	-15.4
				15	0	20.3	17.6	33.0	-15.4
3.0	132322	1745.0	QPSK	1	0	24.4	21.7	33.0	-11.3
				1	8	24.5	21.8	33.0	-11.2
				1	14	24.4	21.7	33.0	-11.4
				8	0	23.5	20.8	33.0	-12.2
				8	4	23.5	20.8	33.0	-12.2
				8	7	23.5	20.8	33.0	-12.2
				15	0	23.5	20.8	33.0	-12.2
			16QAM	1	0	23.5	20.8	33.0	-12.2
				1	8	23.5	20.8	33.0	-12.2
				1	14	23.4	20.7	33.0	-12.3
				8	0	22.5	19.8	33.0	-13.2
				8	4	22.5	19.8	33.0	-13.2
				8	7	22.5	19.8	33.0	-13.2
				15	0	22.4	19.7	33.0	-13.3
			64QAM	1	0	21.4	18.7	33.0	-14.3
				1	8	21.4	18.7	33.0	-14.4
				1	14	21.5	18.8	33.0	-14.3
				8	0	20.2	17.5	33.0	-15.5
				8	4	20.2	17.5	33.0	-15.5
				8	7	20.2	17.5	33.0	-15.5
				15	0	20.2	17.5	33.0	-15.6

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
3.0	132657	1778.5	QPSK	1	0	23.5	20.8	33.0	-12.2
				1	8	24.5	21.8	33.0	-11.2
				1	14	24.4	21.7	33.0	-11.3
				8	0	23.5	20.8	33.0	-12.2
				8	4	23.5	20.8	33.0	-12.2
				8	7	23.5	20.8	33.0	-12.2
				15	0	23.5	20.8	33.0	-12.2
			16QAM	1	0	23.3	20.6	33.0	-12.4
				1	8	23.4	20.7	33.0	-12.3
				1	14	23.3	20.6	33.0	-12.4
				8	0	22.5	19.8	33.0	-13.2
				8	4	22.5	19.8	33.0	-13.2
				8	7	22.5	19.8	33.0	-13.2
				15	0	22.5	19.8	33.0	-13.2
			64QAM	1	0	21.5	18.8	33.0	-14.3
				1	8	21.5	18.8	33.0	-14.2
				1	14	21.4	18.7	33.0	-14.3
				8	0	20.2	17.5	33.0	-15.5
				8	4	20.2	17.5	33.0	-15.5
				8	7	20.2	17.5	33.0	-15.5
				15	0	20.2	17.5	33.0	-15.5

Antenna gain (dBi)		-2.70										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)			
5.0	131997	1712.5	QPSK	1	0	24.4	21.7	33.0	-11.3			
				1	12	24.4	21.7	33.0	-11.4			
				1	24	24.5	21.8	33.0	-11.2			
				12	0	23.4	20.7	33.0	-12.3			
				12	7	23.5	20.8	33.0	-12.2			
				12	13	23.5	20.8	33.0	-12.2			
			16QAM	25	0	23.4	20.7	33.0	-12.3			
				1	0	23.5	20.8	33.0	-12.2			
				1	12	23.5	20.8	33.0	-12.2			
				1	24	23.5	20.8	33.0	-12.2			
				12	0	22.5	19.8	33.0	-13.2			
				12	7	22.5	19.8	33.0	-13.2			
			64QAM	12	13	22.5	19.8	33.0	-13.2			
				25	0	22.5	19.8	33.0	-13.2			
				1	0	21.5	18.8	33.0	-14.2			
				1	12	21.5	18.8	33.0	-14.2			
				1	24	21.5	18.8	33.0	-14.2			
				12	0	20.3	17.6	33.0	-15.4			
			5.0	132322	1745.0	QPSK	12	7	20.3	17.6	33.0	-15.4
							12	13	20.3	17.6	33.0	-15.4
							25	0	20.3	17.6	33.0	-15.4
1	0	24.5					21.8	33.0	-11.2			
1	12	24.4					21.7	33.0	-11.3			
1	24	24.5					21.8	33.0	-11.2			
16QAM	12	0				23.5	20.8	33.0	-12.2			
	12	7				23.4	20.7	33.0	-12.3			
	12	13				23.4	20.7	33.0	-12.3			
	25	0				23.5	20.8	33.0	-12.2			
	1	0				22.5	19.8	33.0	-13.2			
	1	2				23.5	20.8	33.0	-12.2			
64QAM	1	5				22.5	19.8	33.0	-13.2			
	3	0				22.5	19.8	33.0	-13.2			
	3	1				22.5	19.8	33.0	-13.2			
	3	2				22.5	19.8	33.0	-13.2			
	6	0				22.4	19.7	33.0	-13.3			
	1	0				21.5	18.8	33.0	-14.2			
64QAM	1	12				21.5	18.8	33.0	-14.2			
	1	24				21.6	18.9	33.0	-14.1			
	12	0				20.3	17.6	33.0	-15.5			
	12	7	20.3	17.6	33.0	-15.4						
	12	13	20.2	17.5	33.0	-15.5						
	25	0	20.2	17.5	33.0	-15.5						

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
5.0	132647	1777.5	QPSK	1	0	24.3	21.6	33.0	-11.4
				1	12	24.4	21.7	33.0	-11.3
				1	24	24.4	21.7	33.0	-11.3
				12	0	23.4	20.7	33.0	-12.3
				12	7	23.5	20.8	33.0	-12.3
				12	13	23.4	20.7	33.0	-12.3
				25	0	23.4	20.7	33.0	-12.3
			16QAM	1	0	23.5	20.8	33.0	-12.2
				1	12	23.5	20.8	33.0	-12.2
				1	24	23.5	20.8	33.0	-12.2
				12	0	22.5	19.8	33.0	-13.2
				12	7	22.5	19.8	33.0	-13.2
				12	13	22.5	19.8	33.0	-13.2
				25	0	22.5	19.8	33.0	-13.2
			64QAM	1	0	21.5	18.8	33.0	-14.3
				1	12	21.4	18.7	33.0	-14.3
				1	24	21.4	18.7	33.0	-14.3
				12	0	20.2	17.5	33.0	-15.5
				12	7	20.2	17.5	33.0	-15.5
				12	13	20.2	17.5	33.0	-15.6
				25	0	20.2	17.5	33.0	-15.5

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10.0	132022	1715.0	QPSK	1	0	24.3	21.6	33.0	-11.4
				1	25	24.4	21.7	33.0	-11.3
				1	49	24.4	21.7	33.0	-11.3
				25	0	23.5	20.8	33.0	-12.3
				25	12	23.5	20.8	33.0	-12.2
				25	25	23.5	20.8	33.0	-12.2
				50	0	23.5	20.8	33.0	-12.2
			16QAM	1	0	23.4	20.7	33.0	-12.3
				1	25	23.5	20.8	33.0	-12.2
				1	49	23.5	20.8	33.0	-12.3
				25	0	22.5	19.8	33.0	-13.2
				25	12	22.5	19.8	33.0	-13.2
				25	25	22.5	19.8	33.0	-13.2
				50	0	22.5	19.8	33.0	-13.2
			64QAM	1	0	21.7	19.0	33.0	-14.1
				1	25	21.6	18.9	33.0	-14.1
				1	49	21.6	18.9	33.0	-14.1
				25	0	20.3	17.6	33.0	-15.4
				25	12	20.3	17.6	33.0	-15.4
				25	25	20.3	17.6	33.0	-15.5
				50	0	20.3	17.6	33.0	-15.4
10.0	132322	1745.0	QPSK	1	0	24.4	21.7	33.0	-11.3
				1	25	24.3	21.6	33.0	-11.4
				1	49	24.4	21.7	33.0	-11.3
				25	0	23.5	20.8	33.0	-12.2
				25	12	23.4	20.7	33.0	-12.3
				25	25	23.5	20.8	33.0	-12.2
				50	0	23.5	20.8	33.0	-12.3
			16QAM	1	0	23.5	20.8	33.0	-12.2
				1	25	23.4	20.7	33.0	-12.4
				1	49	23.4	20.7	33.0	-12.3
				25	0	22.5	19.8	33.0	-13.2
				25	12	22.5	19.8	33.0	-13.2
				25	25	22.5	19.8	33.0	-13.2
				50	0	22.5	19.8	33.0	-13.2
			64QAM	1	0	21.4	18.7	33.0	-14.3
				1	25	21.3	18.6	33.0	-14.4
				1	49	21.4	18.7	33.0	-14.4
				25	0	20.3	17.6	33.0	-15.4
				25	12	20.3	17.6	33.0	-15.5
				25	25	20.3	17.6	33.0	-15.4
				50	0	20.2	17.5	33.0	-15.5

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
10.0	132622	1775.0	QPSK	1	0	24.4	21.7	33.0	-11.3
				1	25	24.2	21.5	33.0	-11.5
				1	49	24.3	21.6	33.0	-11.4
				25	0	23.3	20.6	33.0	-12.4
				25	12	23.4	20.7	33.0	-12.3
				25	25	23.4	20.7	33.0	-12.3
				50	0	23.4	20.7	33.0	-12.3
			16QAM	1	0	23.3	20.6	33.0	-12.4
				1	25	23.1	20.4	33.0	-12.6
				1	49	23.2	20.5	33.0	-12.5
				25	0	22.4	19.7	33.0	-13.3
				25	12	22.5	19.8	33.0	-13.2
				25	25	22.5	19.8	33.0	-13.3
				50	0	22.4	19.7	33.0	-13.3
			64QAM	1	0	21.5	18.8	33.0	-14.2
				1	25	21.4	18.7	33.0	-14.3
				1	49	21.4	18.7	33.0	-14.4
				25	0	20.2	17.5	33.0	-15.5
				25	12	20.2	17.5	33.0	-15.5
				25	25	20.2	17.5	33.0	-15.5
				50	0	20.2	17.5	33.0	-15.5

Antenna gain (dBi)		-2.70										
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)			
15.0	132047	1717.5	QPSK	1	0	24.4	21.7	33.0	-11.3			
				1	37	24.5	21.8	33.0	-11.2			
				1	74	24.4	21.7	33.0	-11.3			
				36	0	23.5	20.8	33.0	-12.2			
				36	20	23.5	20.8	33.0	-12.2			
				36	39	23.5	20.8	33.0	-12.2			
			16QAM	75	0	23.5	20.8	33.0	-12.2			
				1	0	23.5	20.8	33.0	-12.2			
				1	37	23.5	20.8	33.0	-12.2			
				1	74	23.5	20.8	33.0	-12.2			
				36	0	22.5	19.8	33.0	-13.2			
				36	20	22.5	19.8	33.0	-13.2			
			64QAM	36	39	22.5	19.8	33.0	-13.2			
				75	0	22.5	19.8	33.0	-13.2			
				1	0	21.8	19.1	33.0	-13.9			
				1	37	21.6	18.9	33.0	-14.2			
				1	74	21.6	18.9	33.0	-14.1			
				36	0	20.4	17.7	33.0	-15.3			
			15.0	132322	1745.0	QPSK	36	20	20.3	17.6	33.0	-15.4
							36	39	20.3	17.6	33.0	-15.4
							75	0	20.3	17.6	33.0	-15.4
1	0	24.5					21.8	33.0	-11.2			
1	37	24.4					21.7	33.0	-11.4			
1	74	24.4					21.7	33.0	-11.3			
16QAM	36	0				23.5	20.8	33.0	-12.2			
	36	20				23.5	20.8	33.0	-12.2			
	36	39				23.5	20.8	33.0	-12.2			
	75	0				23.4	20.7	33.0	-12.3			
	1	0				23.5	20.8	33.0	-12.2			
	1	37				23.5	20.8	33.0	-12.2			
64QAM	1	74				23.5	20.8	33.0	-12.2			
	36	0				22.5	19.8	33.0	-13.2			
	36	20				22.4	19.7	33.0	-13.3			
	36	39				22.5	19.8	33.0	-13.2			
	75	0				22.4	19.7	33.0	-13.3			
	1	0				21.6	18.9	33.0	-14.1			
64QAM	1	37				21.4	18.7	33.0	-14.3			
	1	74				21.5	18.8	33.0	-14.2			
	36	0				20.3	17.6	33.0	-15.4			
	36	20	20.3	17.6	33.0	-15.4						
	36	39	20.3	17.6	33.0	-15.4						
	75	0	20.3	17.6	33.0	-15.4						

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
15.0	132572	1772.5	QPSK	1	0	24.5	21.8	33.0	-11.2
				1	37	24.3	21.6	33.0	-11.4
				1	74	24.3	21.6	33.0	-11.4
				36	0	23.5	20.8	33.0	-12.2
				36	20	23.5	20.8	33.0	-12.2
				36	39	23.4	20.7	33.0	-12.3
				75	0	23.5	20.8	33.0	-12.2
			16QAM	1	0	23.4	20.7	33.0	-12.3
				1	37	23.2	20.5	33.0	-12.5
				1	74	23.3	20.6	33.0	-12.4
				36	0	22.5	19.8	33.0	-13.2
				36	20	22.5	19.8	33.0	-13.2
				36	39	22.5	19.8	33.0	-13.3
				75	0	22.5	19.8	33.0	-13.2
			64QAM	1	0	21.5	18.8	33.0	-14.2
				1	37	21.4	18.7	33.0	-14.3
				1	74	21.4	18.7	33.0	-14.3
				36	0	20.3	17.6	33.0	-15.4
				36	20	20.3	17.6	33.0	-15.5
				36	39	20.2	17.5	33.0	-15.5
				75	0	20.2	17.5	33.0	-15.5

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20.0	132072	1720.0	QPSK	1	0	24.3	21.6	33.0	-11.4
				1	49	24.3	21.6	33.0	-11.4
				1	99	24.3	21.6	33.0	-11.4
				50	0	23.5	20.8	33.0	-12.2
				50	24	23.5	20.8	33.0	-12.2
				50	50	23.5	20.8	33.0	-12.2
				100	0	23.5	20.8	33.0	-12.2
			16QAM	1	0	23.5	20.8	33.0	-12.2
				1	49	23.5	20.8	33.0	-12.2
				1	99	23.5	20.8	33.0	-12.2
				50	0	22.5	19.8	33.0	-13.2
				50	24	22.5	19.8	33.0	-13.2
				50	50	22.5	19.8	33.0	-13.2
				100	0	22.5	19.8	33.0	-13.2
			64QAM	1	0	21.7	19.0	33.0	-14.0
				1	49	21.5	18.8	33.0	-14.2
				1	99	21.4	18.7	33.0	-14.3
				50	0	20.4	17.7	33.0	-15.3
				50	24	20.4	17.7	33.0	-15.4
				50	50	20.3	17.6	33.0	-15.4
				100	0	20.3	17.6	33.0	-15.4
20.0	132322	1745.0	QPSK	1	0	24.5	21.8	33.0	-11.2
				1	49	24.4	21.7	33.0	-11.3
				1	99	24.4	21.7	33.0	-11.3
				50	0	23.5	20.8	33.0	-12.2
				50	24	23.5	20.8	33.0	-12.2
				50	50	23.5	20.8	33.0	-12.2
				100	0	23.5	20.8	33.0	-12.2
			16QAM	1	0	23.5	20.8	33.0	-12.2
				1	49	23.5	20.8	33.0	-12.2
				1	99	23.5	20.8	33.0	-12.2
				50	0	22.5	19.8	33.0	-13.2
				50	24	22.5	19.8	33.0	-13.2
				50	50	22.5	19.8	33.0	-13.2
				100	0	22.5	19.8	33.0	-13.2
			64QAM	1	0	21.6	18.9	33.0	-14.1
				1	49	21.4	18.7	33.0	-14.3
				1	99	21.5	18.8	33.0	-14.2
				50	0	20.3	17.6	33.0	-15.4
				50	24	20.3	17.6	33.0	-15.5
				50	50	20.3	17.6	33.0	-15.4
				100	0	20.3	17.6	33.0	-15.4

Antenna gain (dBi)		-2.70							
Bandwidth	UL Channel	-1.5	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
20.0	132572	1770.0	QPSK	1	0	24.5	21.8	33.0	-11.2
				1	49	24.0	21.3	33.0	-11.7
				1	99	24.3	21.6	33.0	-11.4
				50	0	23.5	20.8	33.0	-12.2
				50	24	23.5	20.8	33.0	-12.2
				50	50	23.4	20.7	33.0	-12.3
				100	0	23.5	20.8	33.0	-12.2
			16QAM	1	0	23.5	20.8	33.0	-12.2
				1	49	23.5	20.8	33.0	-12.2
				1	99	23.5	20.8	33.0	-12.2
				50	0	22.5	19.8	33.0	-13.2
				50	24	22.5	19.8	33.0	-13.2
				50	50	22.4	19.7	33.0	-13.3
				100	0	22.5	19.8	33.0	-13.2
			64QAM	1	0	21.6	18.9	33.0	-14.1
				1	49	21.4	18.7	33.0	-14.3
				1	99	21.4	18.7	33.0	-14.3
				50	0	20.4	17.7	33.0	-15.4
				50	24	20.3	17.6	33.0	-15.4
				50	50	20.3	17.6	33.0	-15.5
				100	0	20.3	17.6	33.0	-15.4

12. PEAK TO AVERAGE RATIO

TEST PROCEDURE

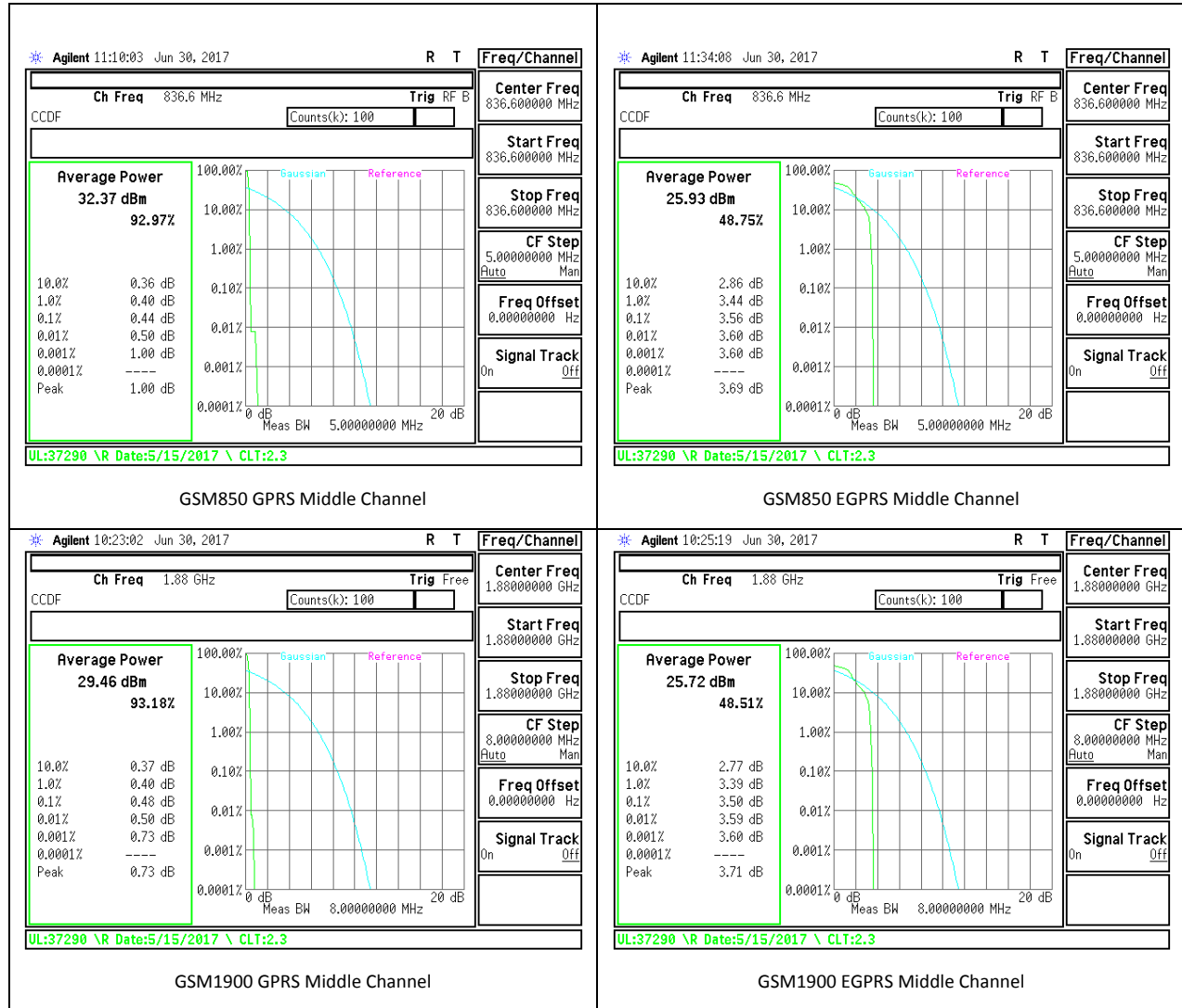
Per KDB 971168 D01 Power Meas License Digital Systems v02r02

TEST SPEC

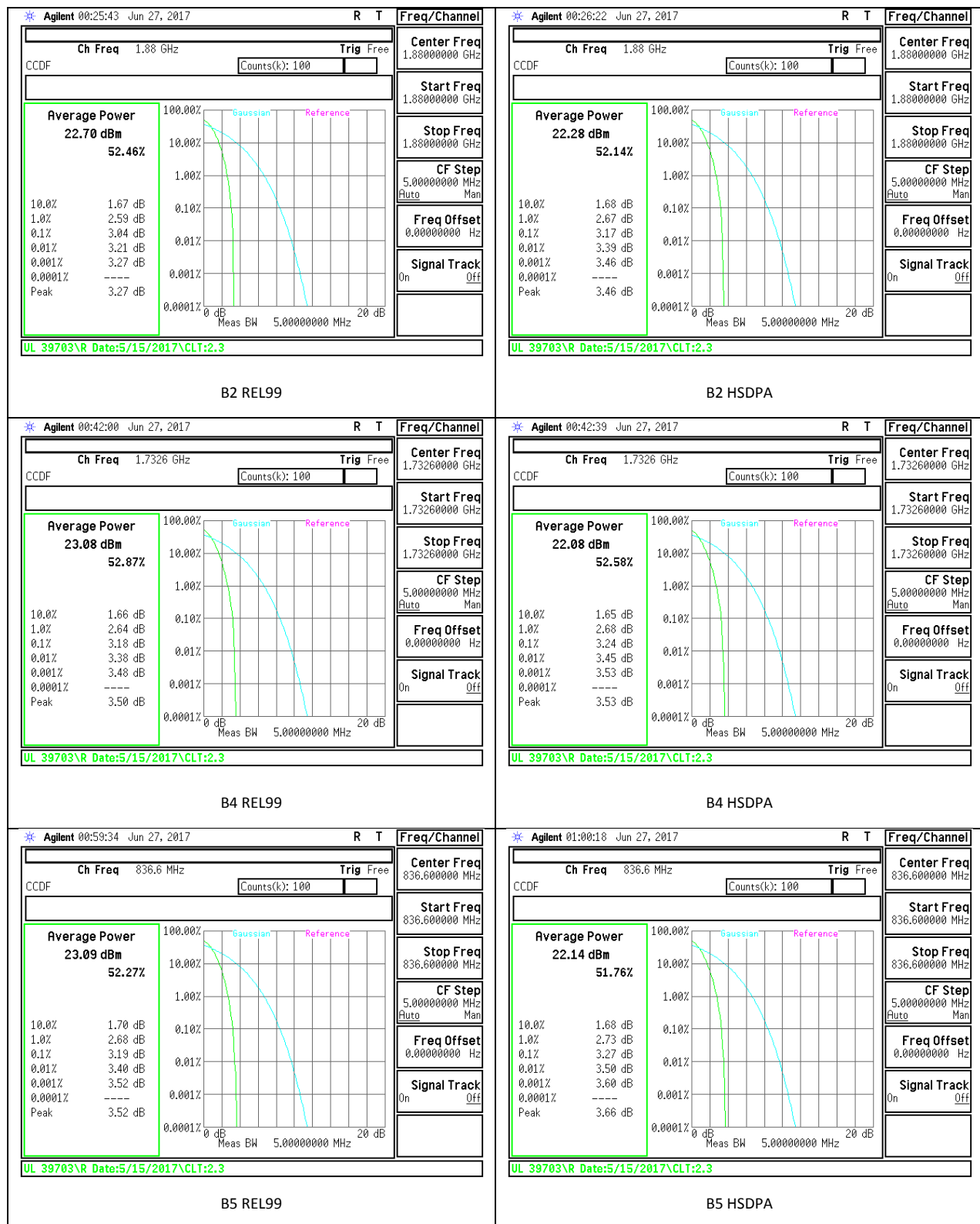
In addition, when the transmitter power is measured in terms of average value, the peak-to-average ratio of the power shall not exceed 13 dB.

12.1. CONDUCTED PEAK TO AVERAGE RESULT

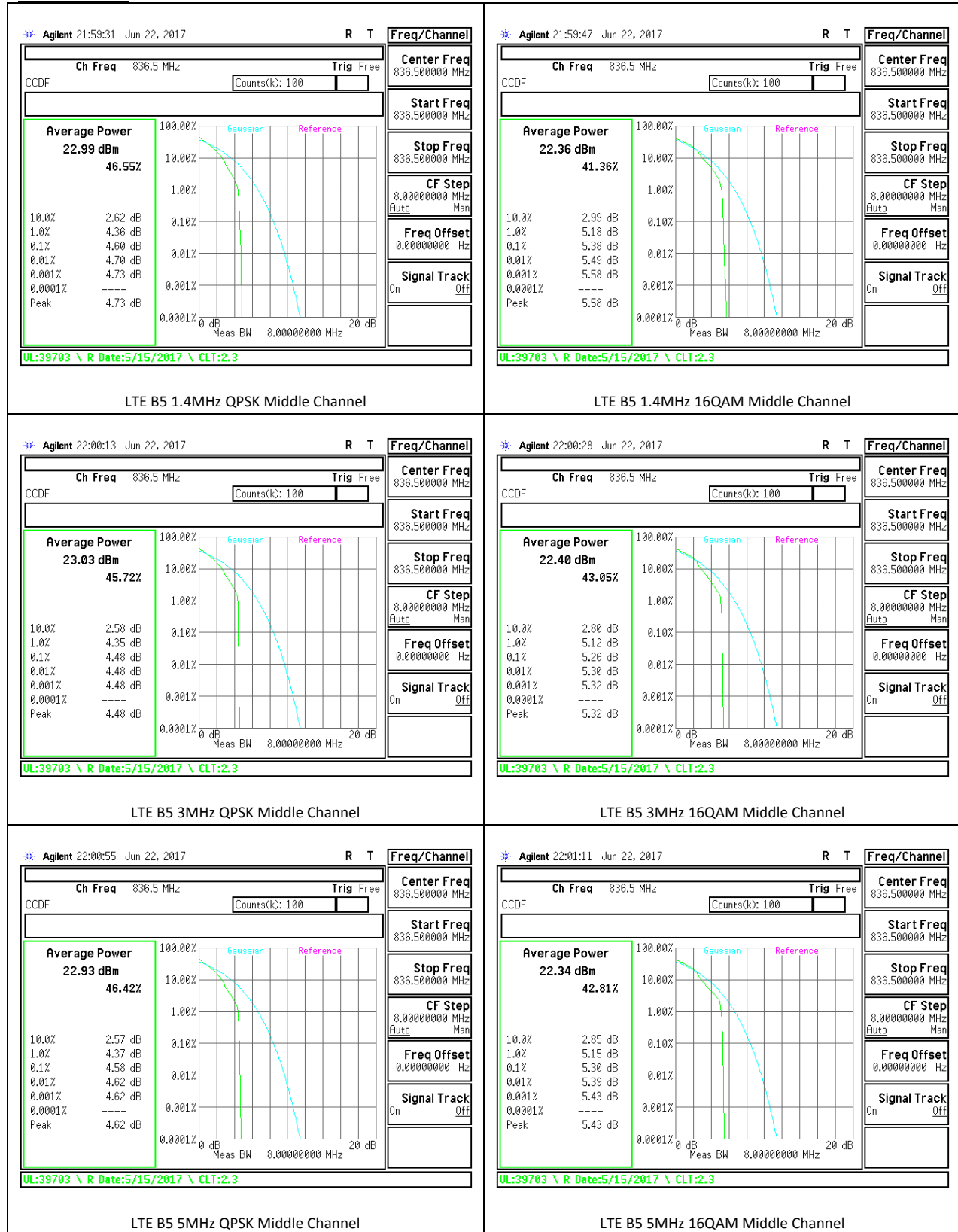
GSM

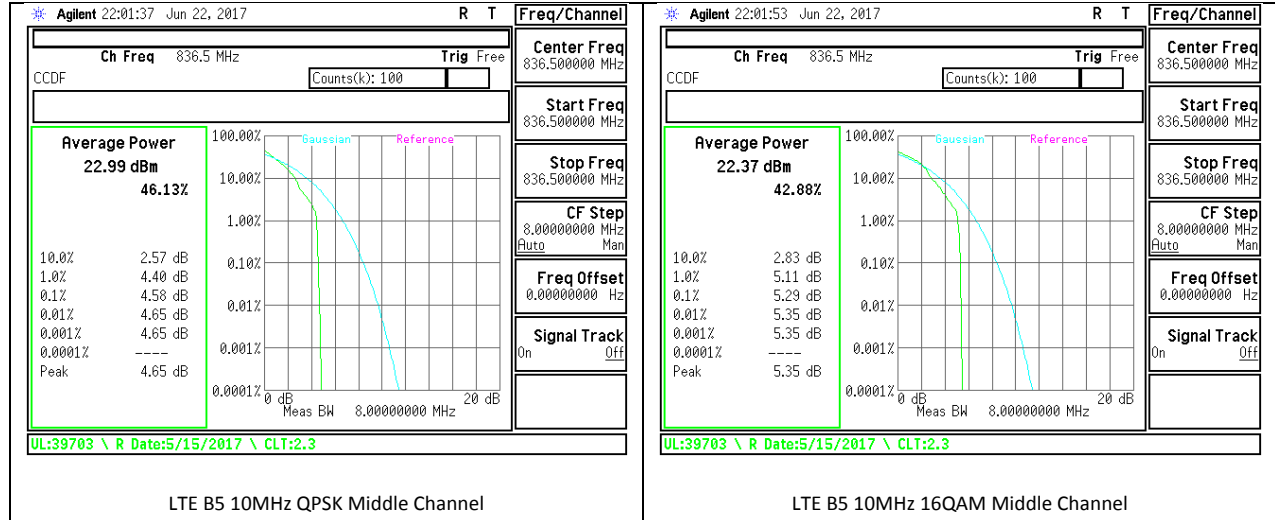


WCDMA

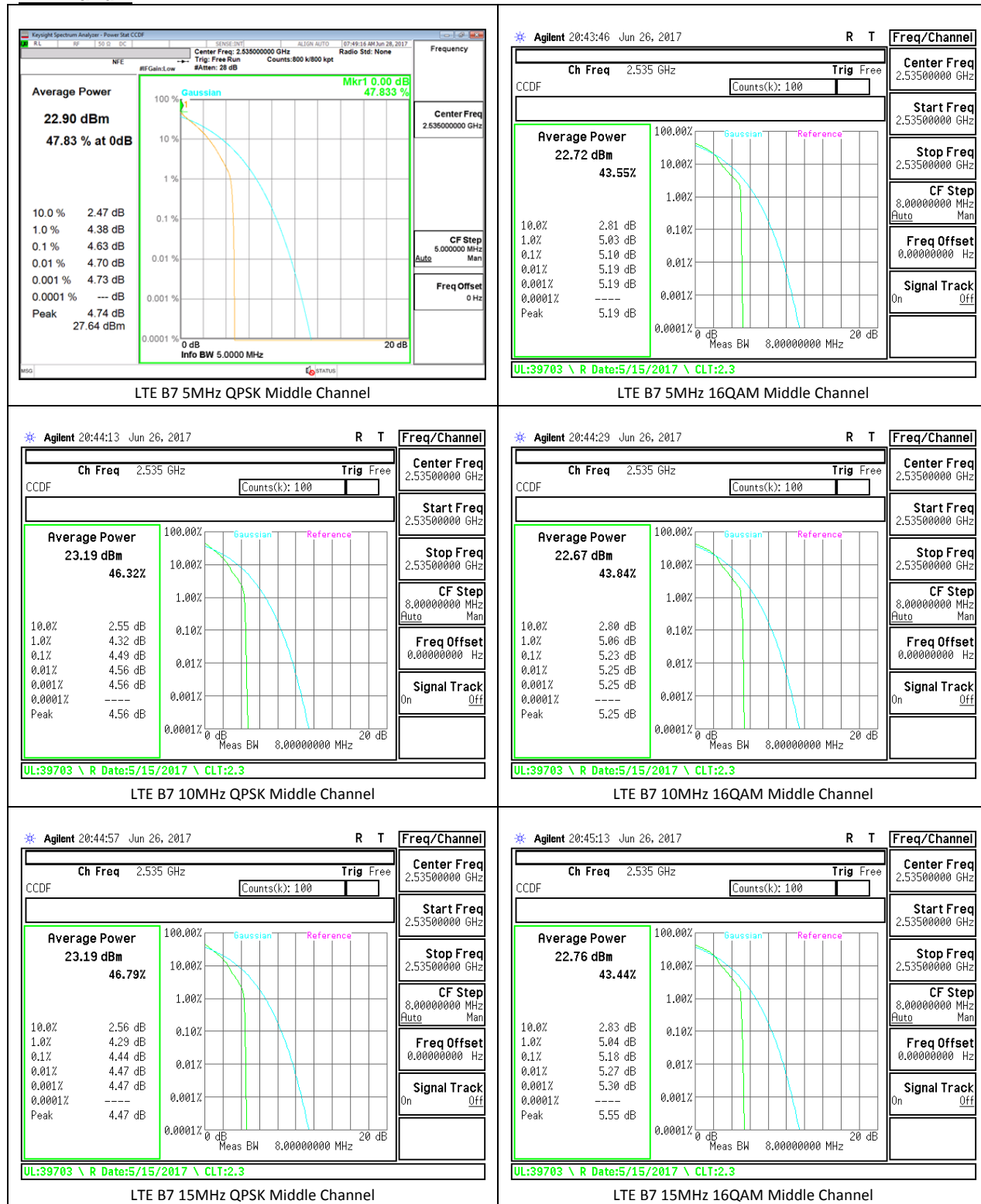


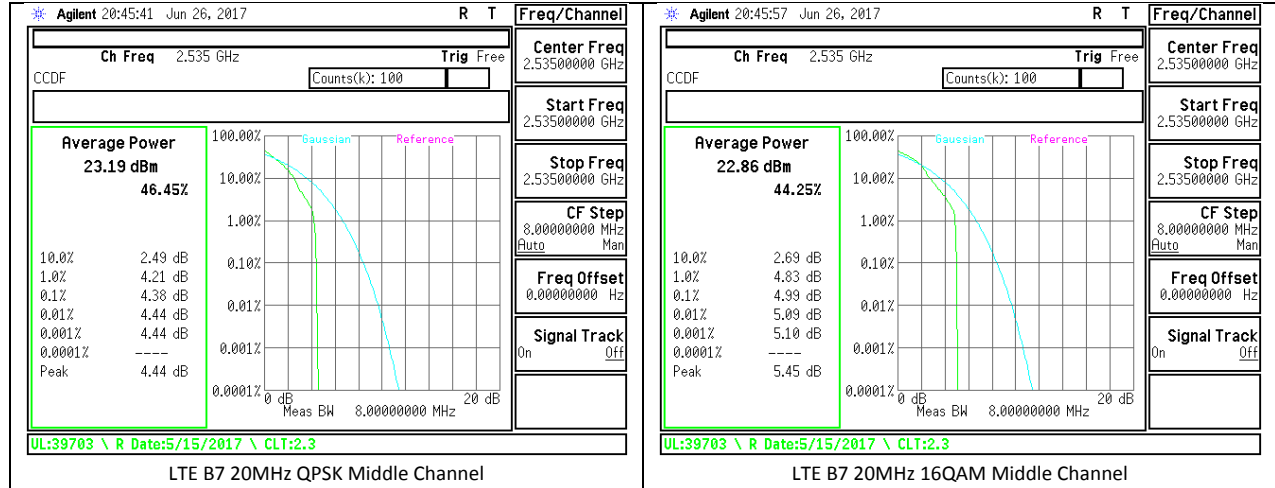
LTE Band 5





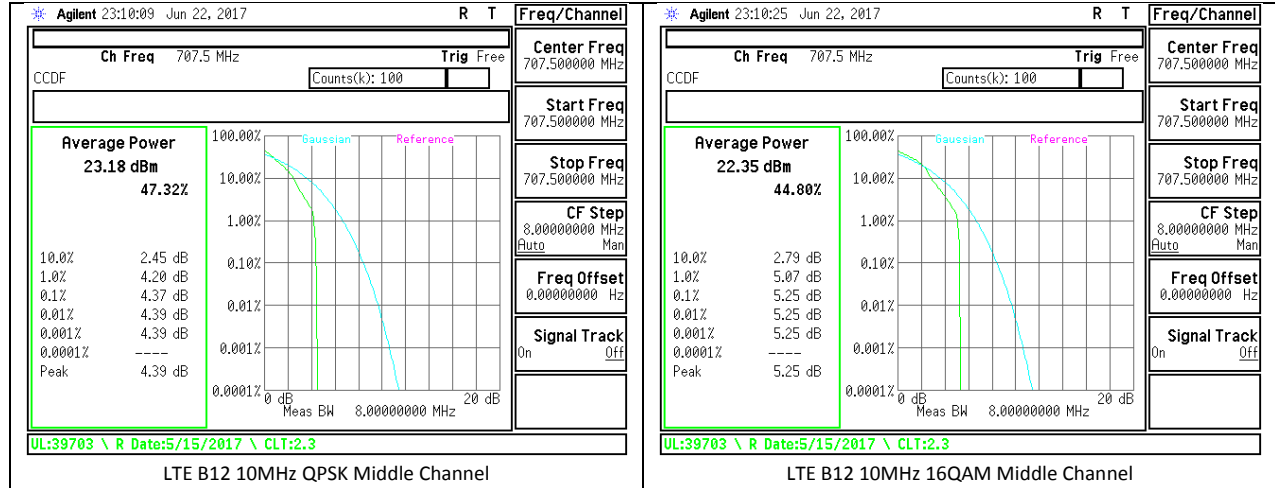
LTE Band 7



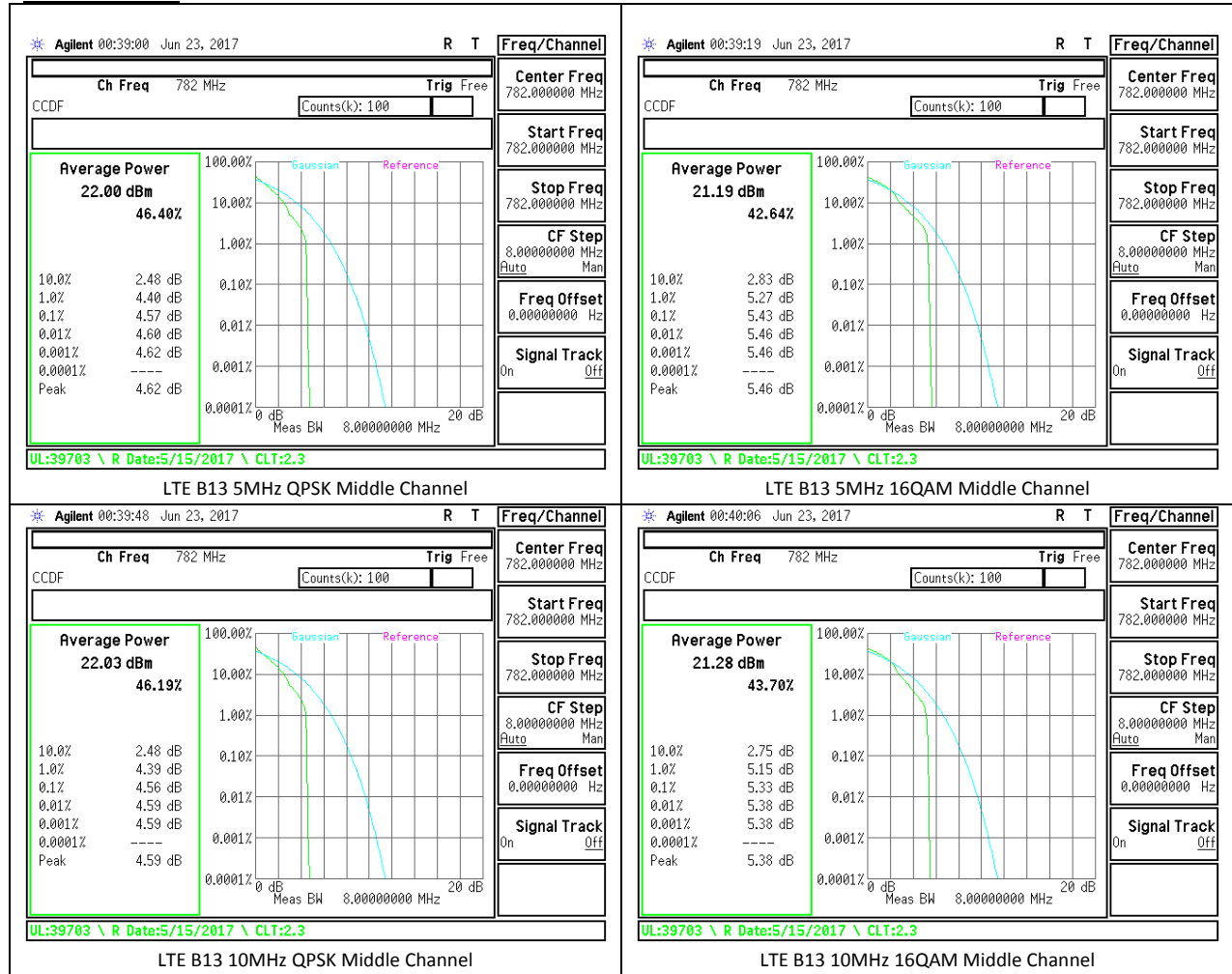


LTE Band 12



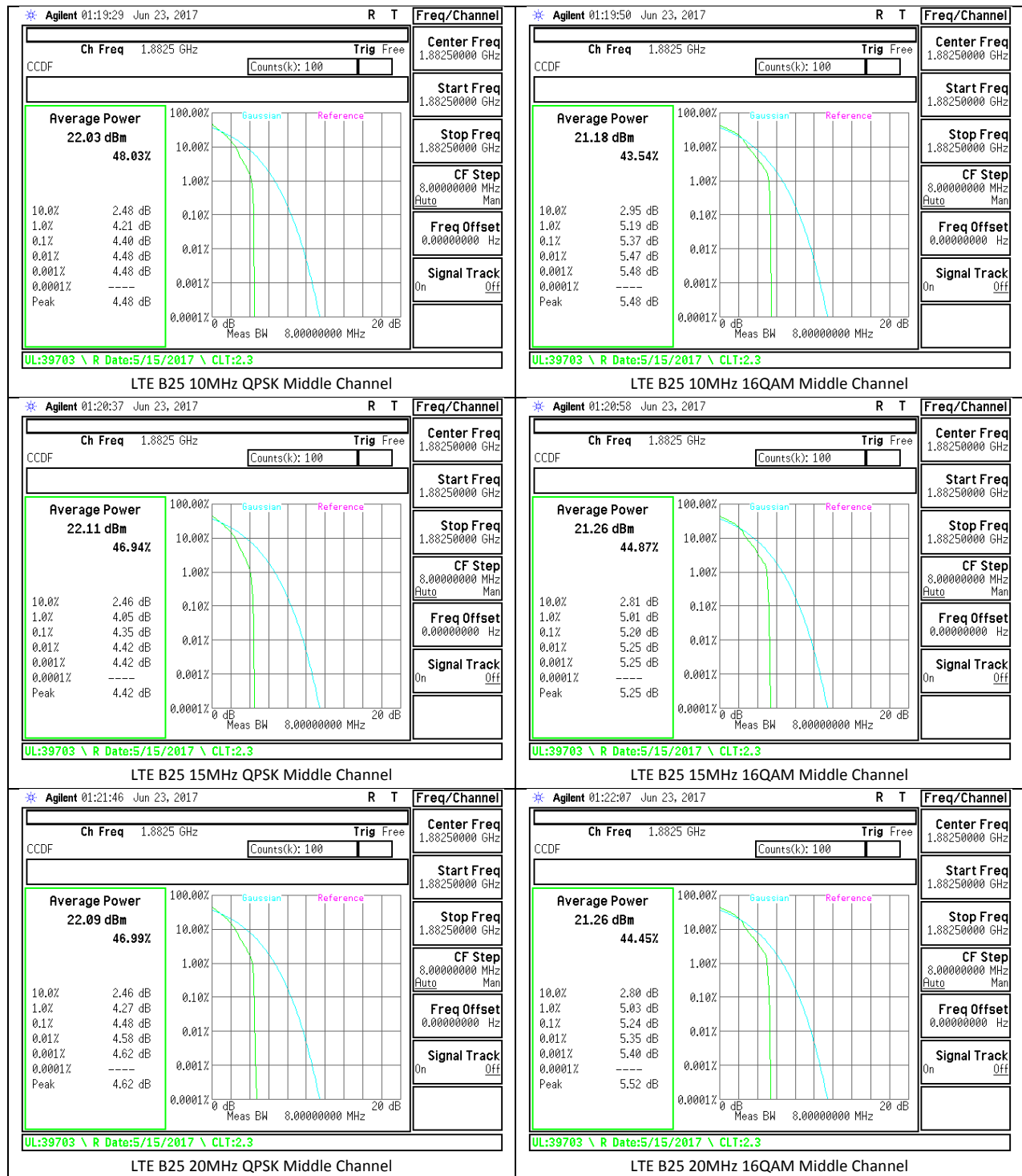


LTE Band 13

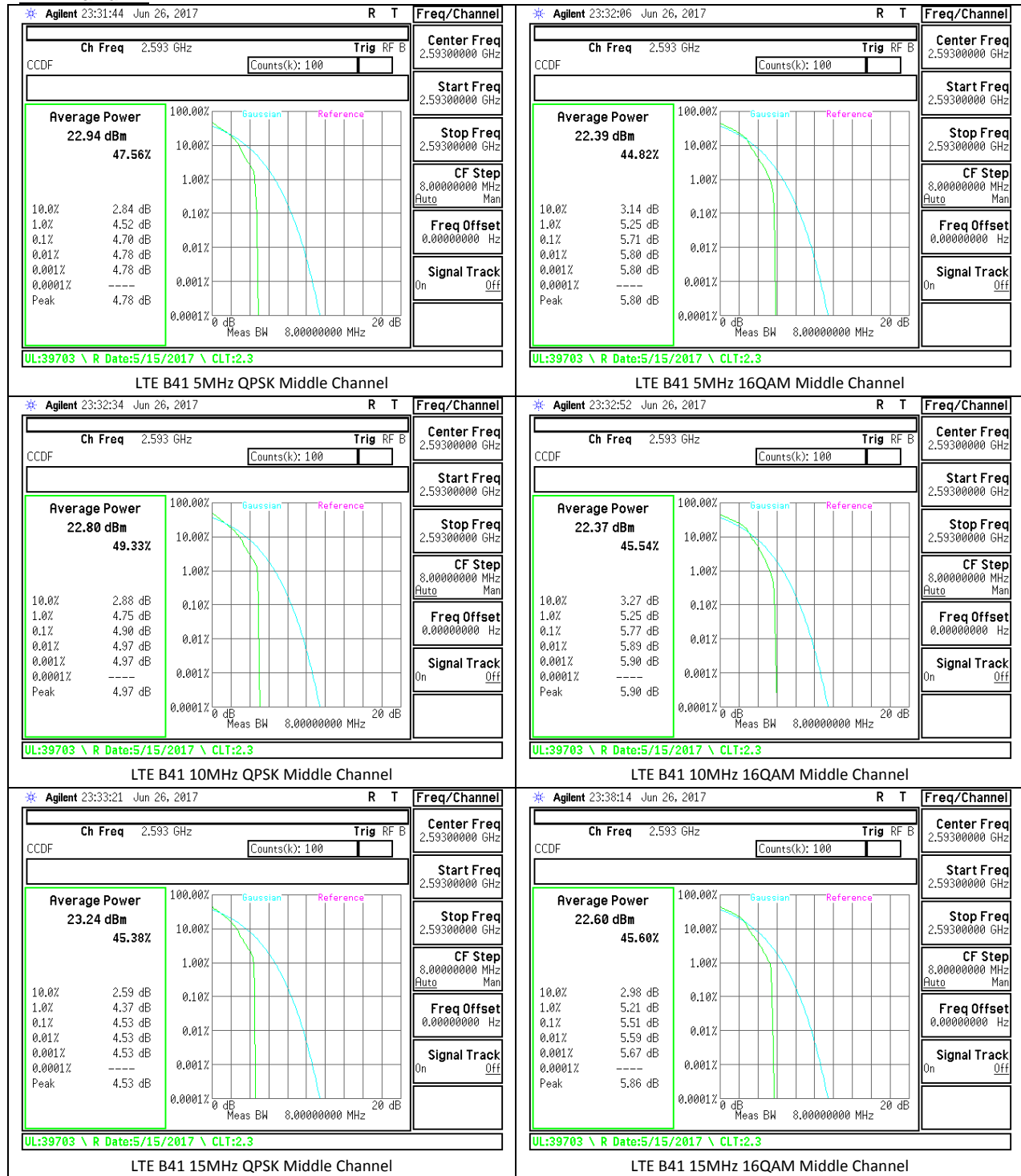


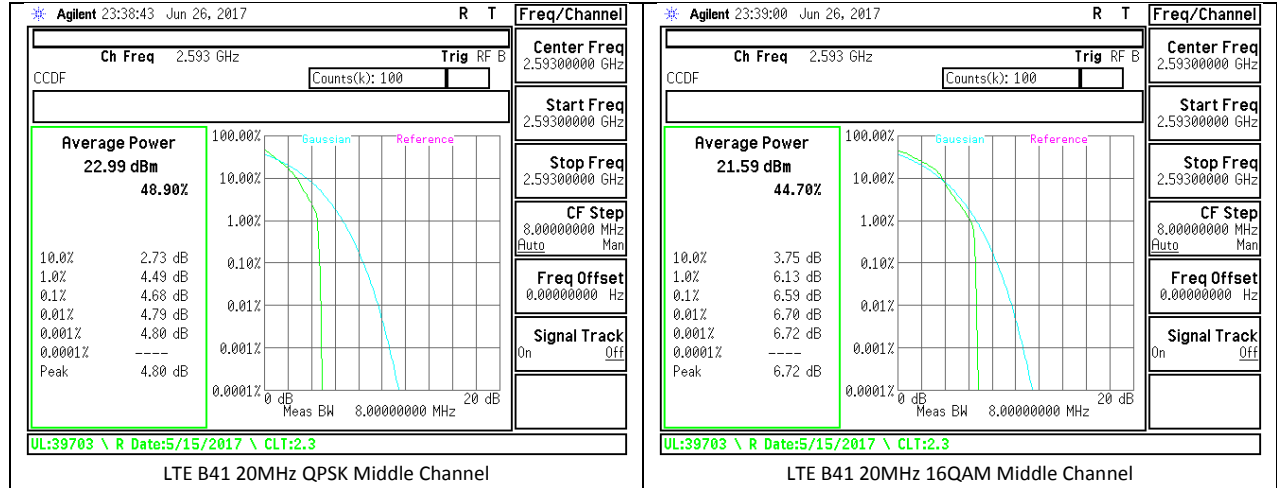
LTE Band 25



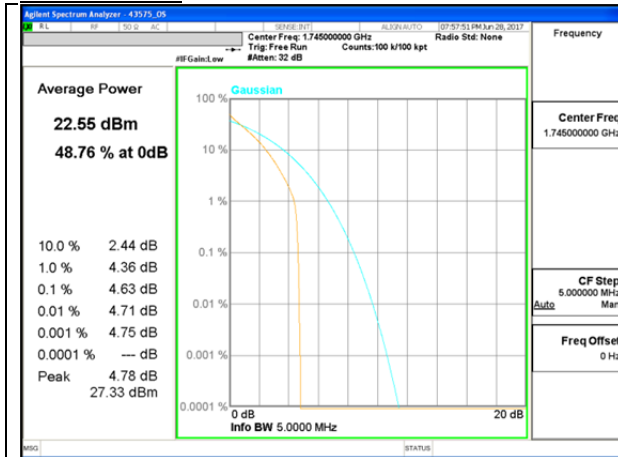


LTE Band 41

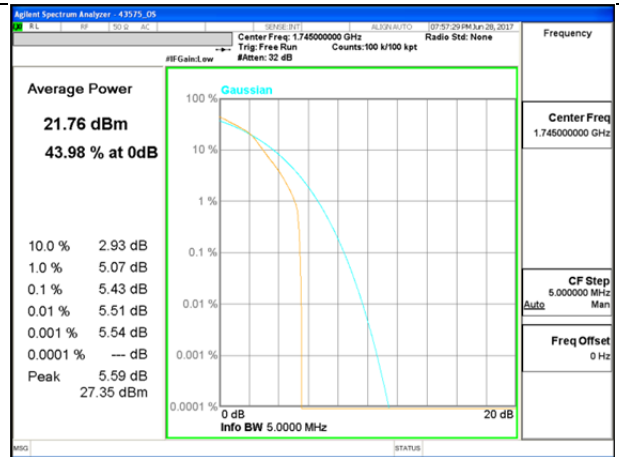




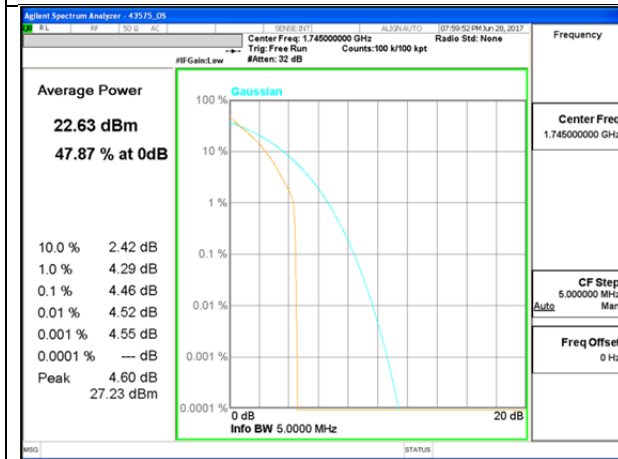
LTE Band 66



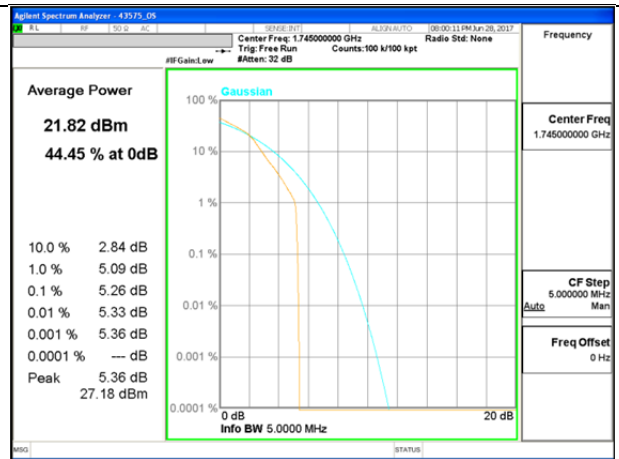
LTE B66 1.4MHz QPSK Middle Channel



LTE B66 1.4MHz 16QAM Middle Channel



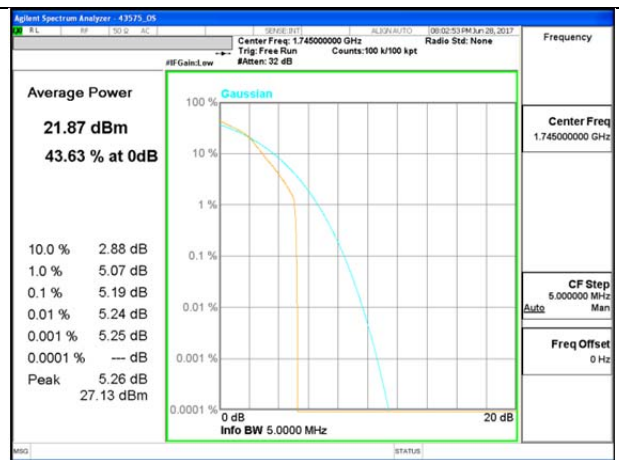
LTE B66 3MHz QPSK Middle Channel



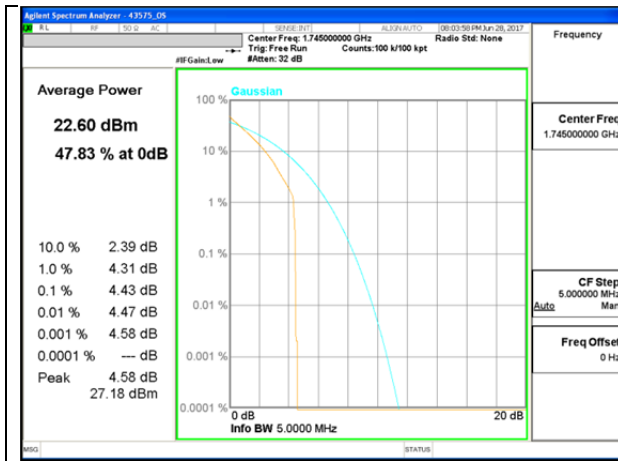
LTE B66 3MHz 16QAM Middle Channel



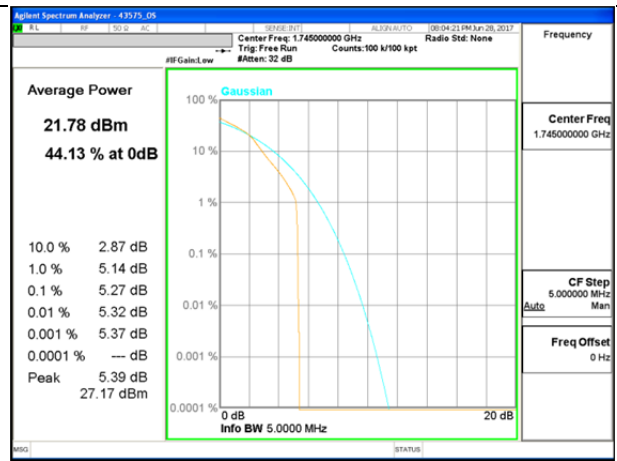
LTE B66 5MHz QPSK Middle Channel



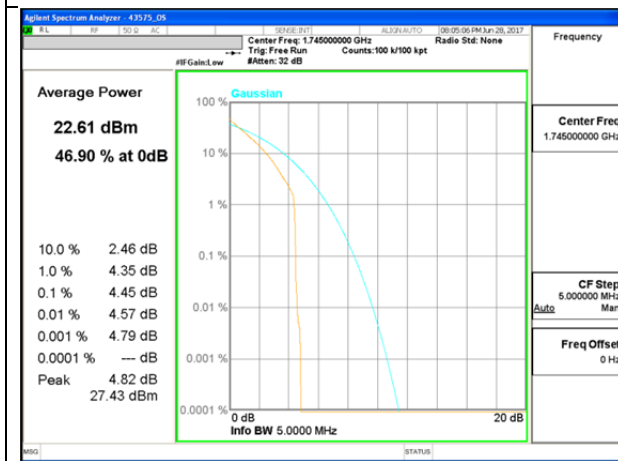
LTE B66 5MHz 16QAM Middle Channel



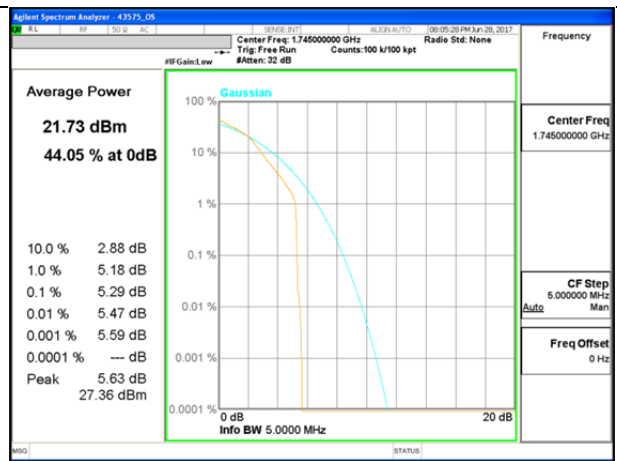
LTE B66 10MHz QPSK Middle Channel



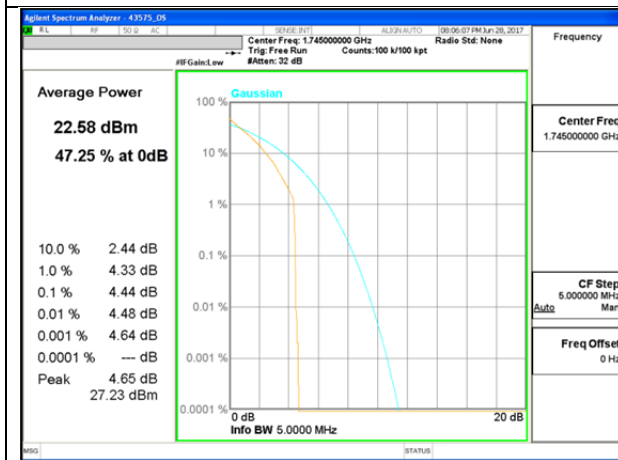
LTE 66 10MHz 16QAM Middle Channel



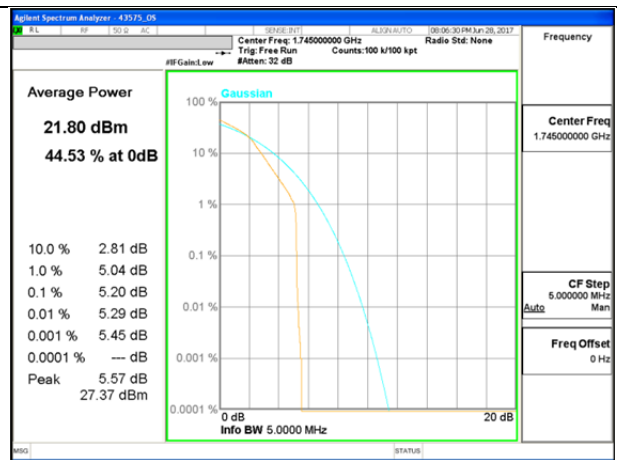
LTE B66 15MHz QPSK Middle Channel



LTE 66 15MHz 16QAM Middle Channel



LTE B66 20MHz QPSK Middle Channel



LTE 66 20MHz 16QAM Middle Channel

13. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

LIMITS

For reporting purposes only

TEST PROCEDURE

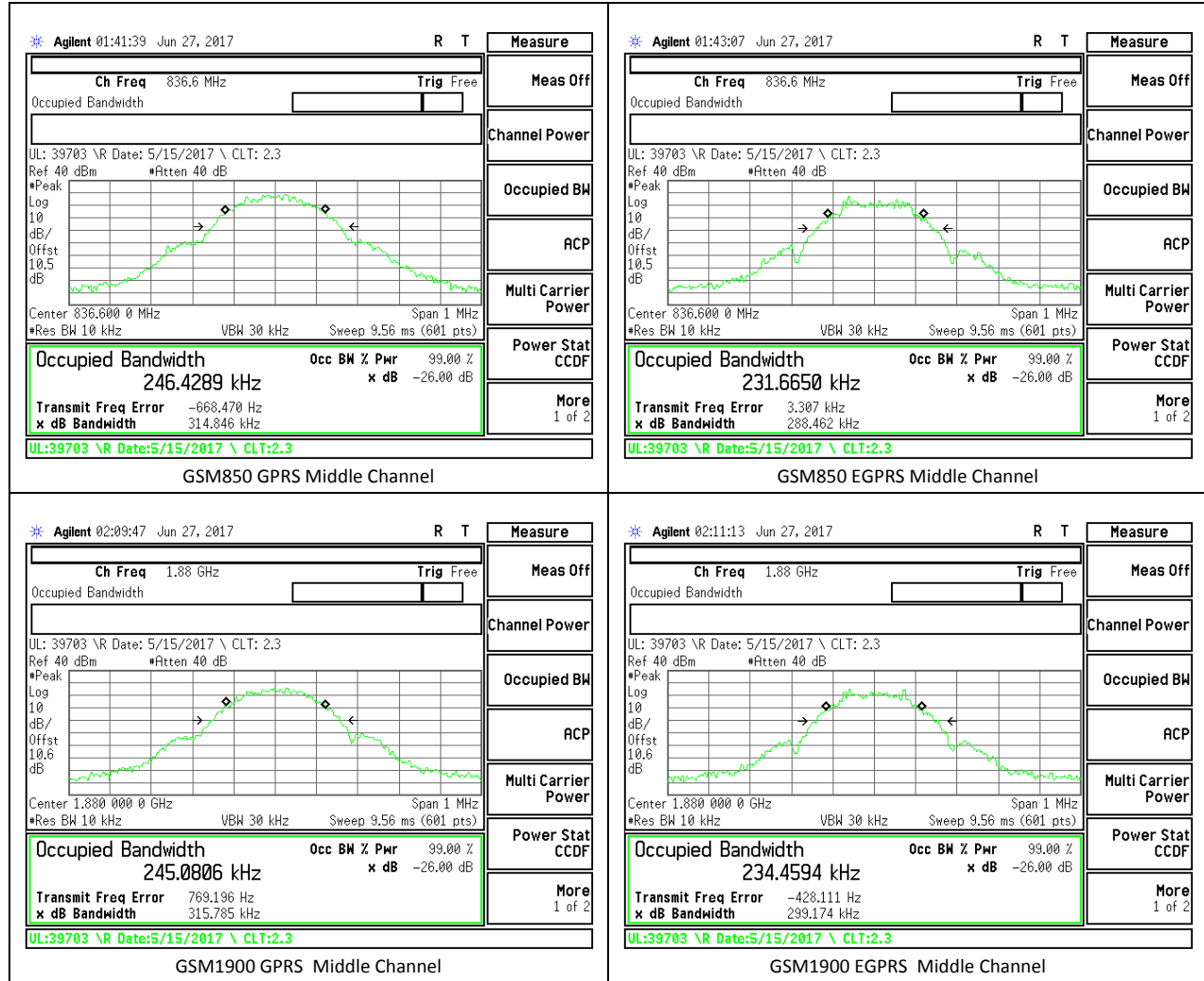
The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The -26dB bandwidth was also measured and recorded.

(KDB 971168 D01 Power Meas License Digital Systems v02r02)

13.1. OCCUPIED BANDWIDTH RESULTS AND PLOTS

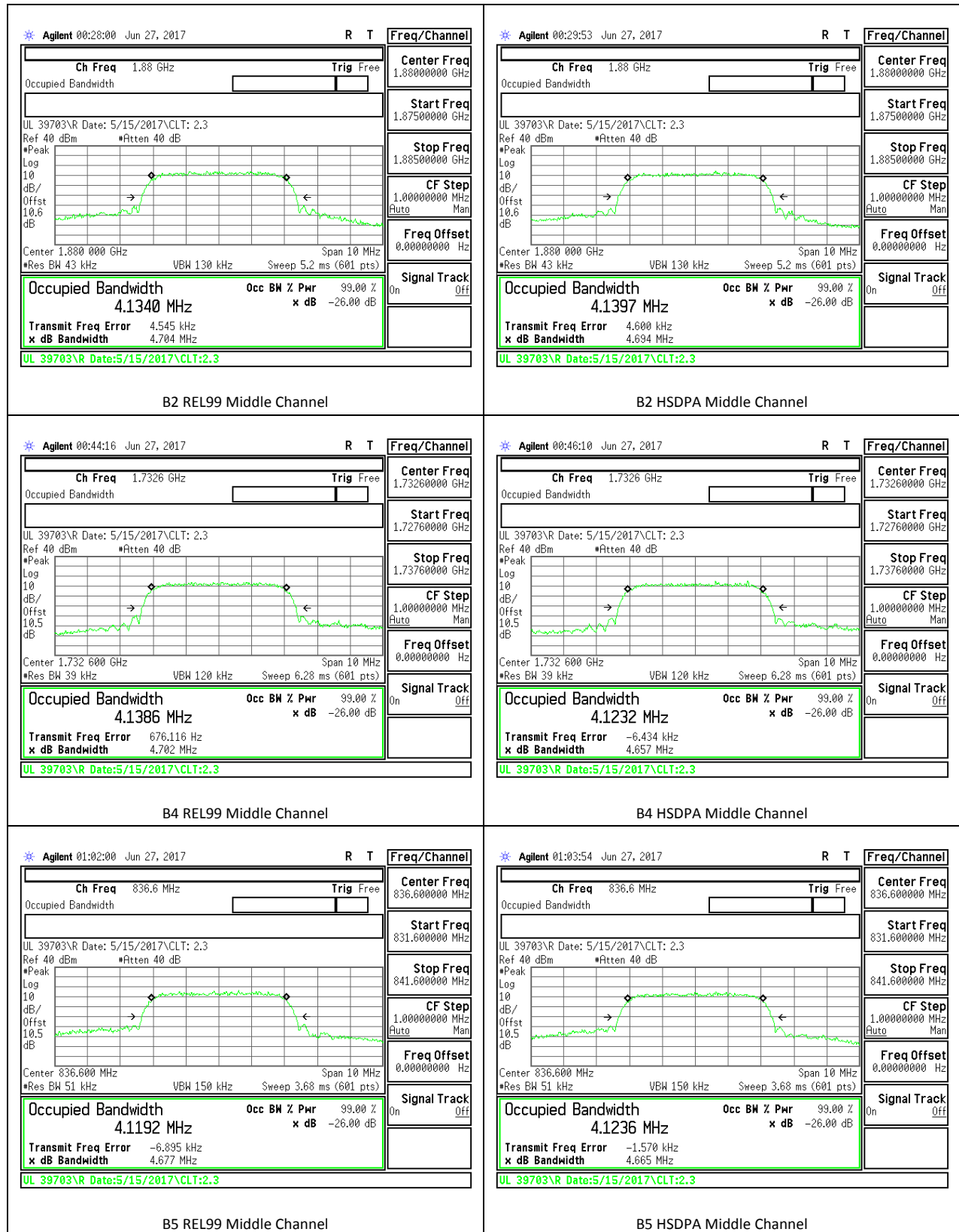
GSM

Band	Mode	Channel	f (MHz)	99% BW (kHz)	-26dB (kHz)
GSM 850	GPRS	128	824.2	241.5353	312.133
		190	836.6	246.4289	314.846
		251	848.8	248.8327	317.816
	EGPRS	128	824.2	236.9545	308.259
		190	836.6	231.665	288.462
		251	848.8	241.0829	306.563
GSM 1900	GPRS	512	1850.2	242.9194	318.686
		661	1880	245.0806	315.785
		810	1909.8	246.4017	316.745
	EGPRS	512	1850.2	244.2482	320.593
		661	1880	234.4594	299.174
		810	1909.8	244.1254	310.565



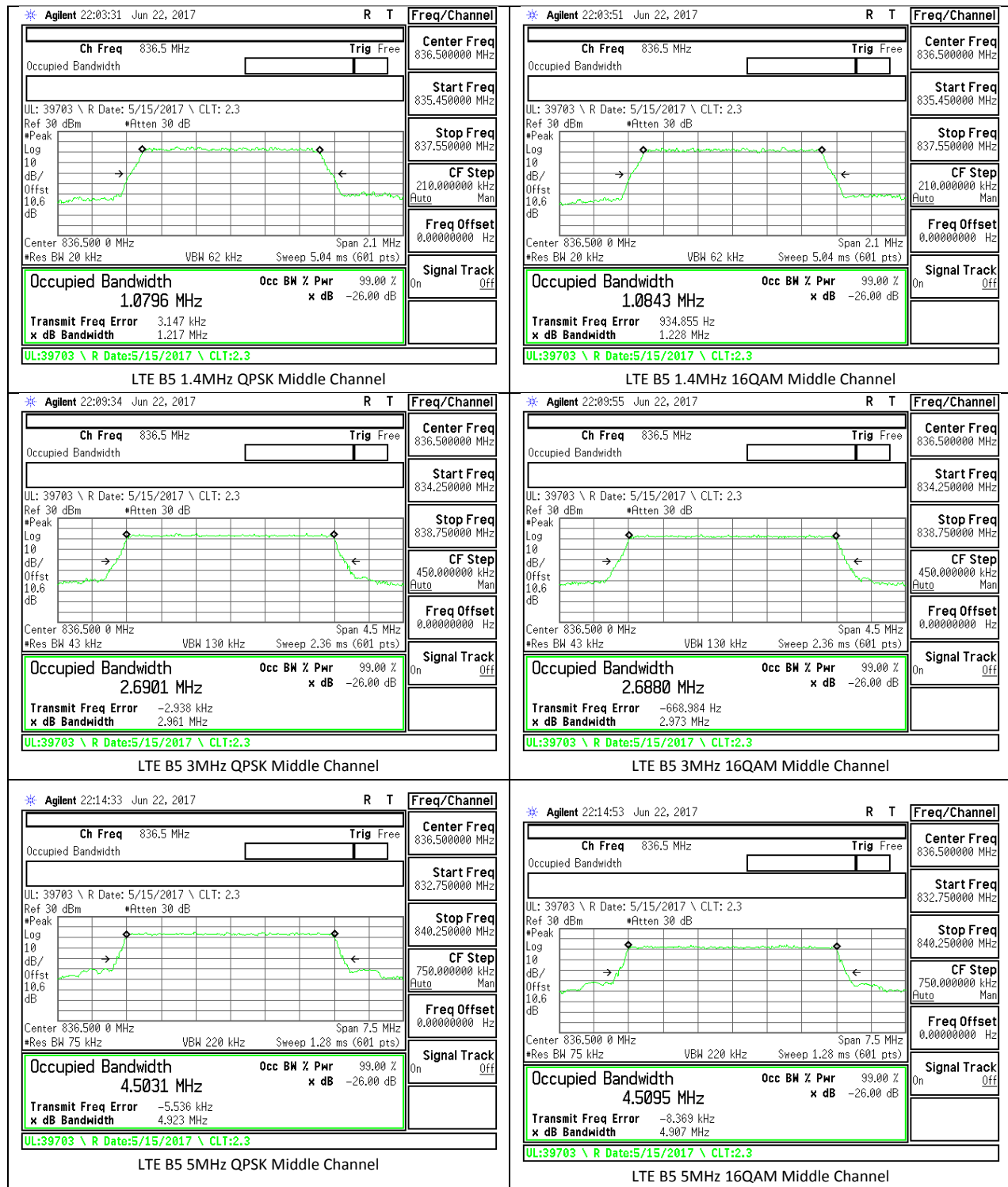
WCDMA

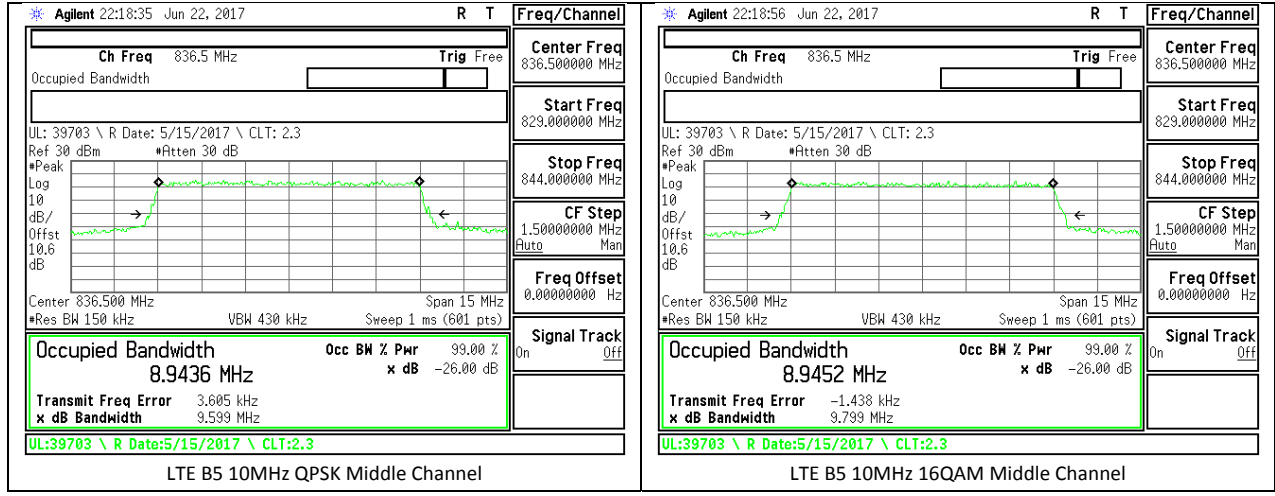
Band	Mode	Channel	f (MHz)	99% BW (MHz)	-26dB (MHz)
Band 2	REL99	9262	1852.4	4.1529	4.656
		9400	1880	4.134	4.704
		9538	1907.6	4.1282	4.689
	HSDPA	9262	1852.4	4.1398	4.677
		9400	1880	4.1397	4.694
		9538	1907.6	4.1156	4.675
Band 4	REL99	9262	1712.4	4.1180	4.679
		9400	1732.6	4.1386	4.702
		9538	1752.6	4.1013	4.675
	HSDPA	9262	1712.4	4.1216	4.706
		9400	1732.6	4.1232	4.657
		9538	1752.6	4.1274	4.701
Band 5	REL99	4132	826.4	4.1034	4.681
		4183	836.6	4.1192	4.677
		4233	846.6	4.1359	4.690
	HSDPA	4132	826.4	4.1244	4.699
		4183	836.6	4.1236	4.665
		4233	846.6	4.1036	4.701



LTE Band 5

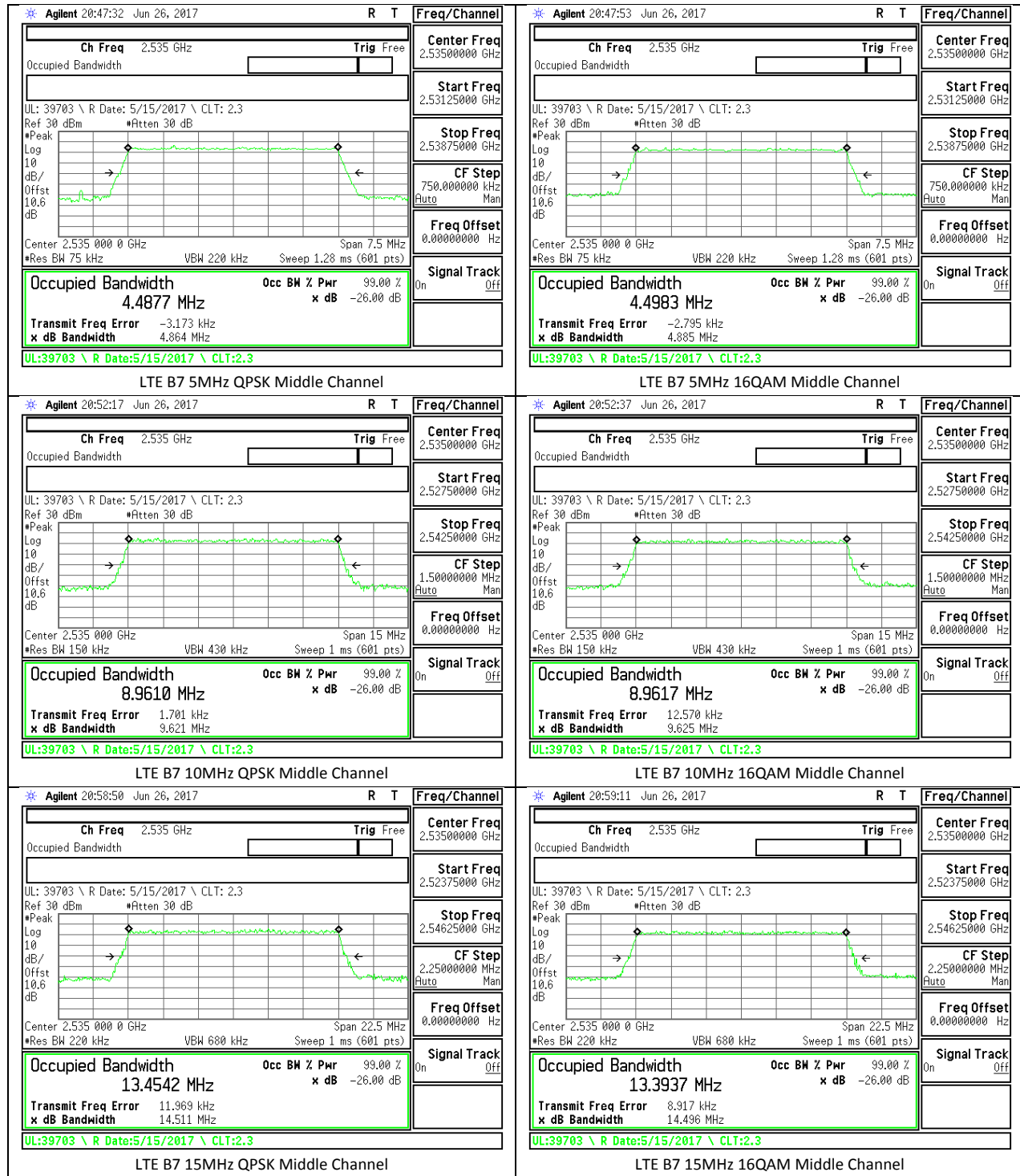
Band	BW(MHz)	Mode	RB/RB Size	f (MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE5	1.4	16QAM	6/0	824.7	1.0772	1.227
			6/0	836.5	1.0843	1.228
			6/0	848.3	1.0868	1.231
		QPSK	6/0	824.7	1.0905	1.235
			6/0	836.5	1.0796	1.217
			6/0	848.3	1.0831	1.220
	3	16QAM	25/0	825.5	2.6908	2.958
			25/0	836.5	2.6880	2.973
			25/0	847.5	2.6845	3.002
		QPSK	25/0	825.5	2.6885	2.992
			25/0	836.5	2.6901	2.961
			25/0	847.5	2.6851	2.936
	5	16QAM	25/0	826.5	4.4917	4.876
			25/0	836.5	4.5095	4.907
			25/0	846.5	4.4821	4.902
		QPSK	25/0	826.5	4.419	4.918
			25/0	836.5	4.5031	4.923
			25/0	846.5	4.5012	4.936
	10	16QAM	50/0	829	8.950	9.690
			50/0	836.5	8.9452	9.799
			50/0	844	8.9354	9.702
		QPSK	50/0	829	8.9510	9.632
			50/0	836.5	8.9436	9.599
50/0			844	8.9410	9.670	

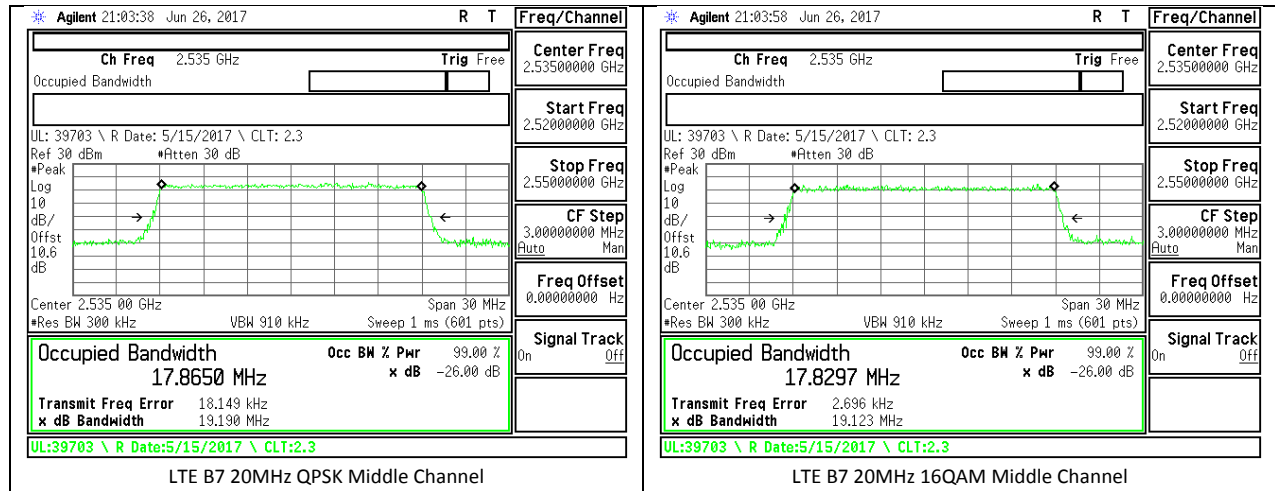




LTE Band 7

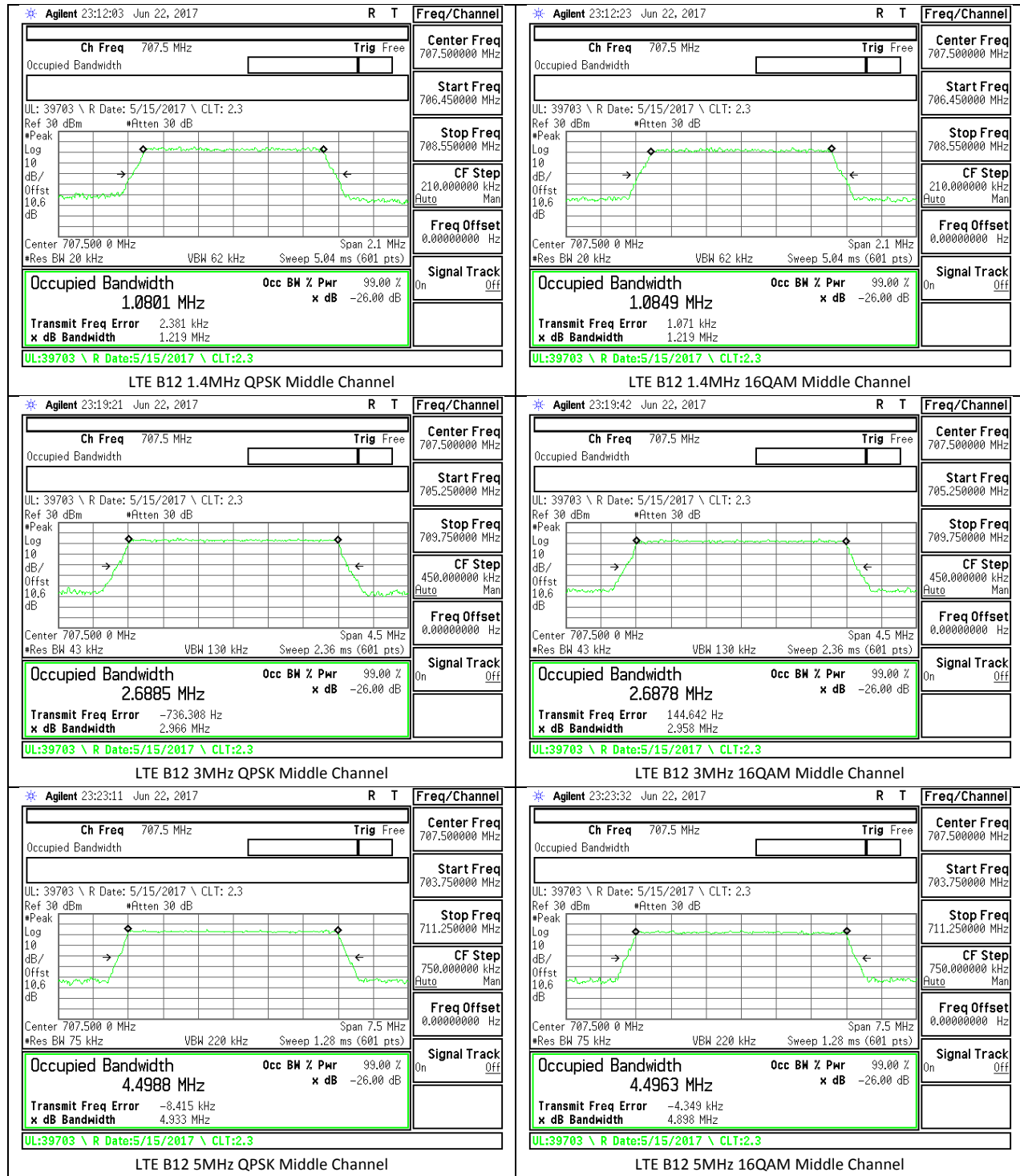
Band	BW(MHz)	Mode	RB/RB Size	f (MHz)	99% BW (MHz)	-26dB BW
LTE7	5	16QAM	25/0	2502.5	4.4904	4.909
			25/0	2535	4.4983	4.885
			25/0	2567.5	4.4976	4.951
		QPSK	25/0	2502.5	4.5054	4.930
			25/0	2535	4.4877	4.864
			25/0	2567.5	4.4941	4.898
	10	16QAM	50/0	2505	8.9335	9.554
			50/0	2535	8.9617	9.625
			50/0	2565	8.9585	9.684
		QPSK	50/0	2505	8.9467	9.719
			50/0	2535	8.9610	9.621
			50/0	2565	8.9300	9.586
	15	16QAM	75/0	2507.5	13.3913	14.485
			75/0	2535	13.3937	14.496
			75/0	2562.5	13.3973	14.488
		QPSK	75/0	2507.5	13.3688	14.470
			75/0	2535	13.4542	14.511
			75/0	2562.5	13.3876	14.523
	20	16QAM	100/0	2510	17.8391	19.083
			100/0	2535	17.8297	19.123
			100/0	2560	17.8433	19.133
		QPSK	100/0	2510	17.8468	19.112
			100/0	2535	17.8650	19.190
			100/0	2560	17.8398	19.386

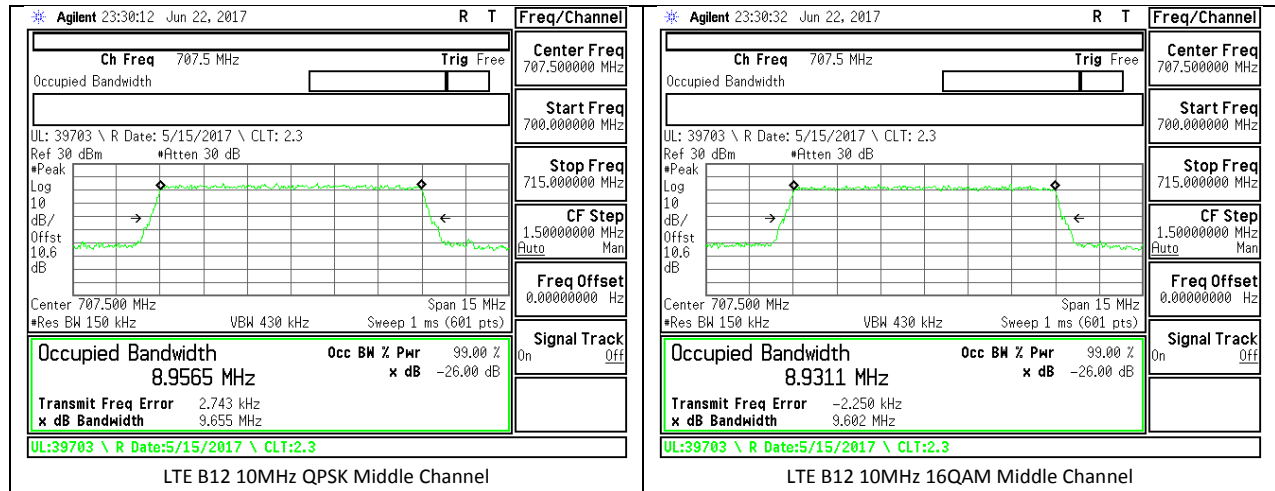




LTE Band 12

Band	BW(MHz)	Mode	RB/RB Size	f (MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE12	1.4	16QAM	6/0	699.7	1.0775	1.222
			6/0	707.5	1.0849	1.219
			6/0	715.3	1.0855	1.229
		QPSK	6/0	699.7	1.0896	1.229
			6/0	707.5	1.0801	1.219
			6/0	715.3	1.0873	1.223
	3	16QAM	15/0	700.5	2.6897	2.936
			15/0	707.5	2.6878	2.958
			15/0	714.5	2.6769	2.971
		QPSK	15/0	700.5	2.6851	2.938
			15/0	707.5	2.6885	2.966
			15/0	714.5	2.6851	2.946
	5	16QAM	25/0	701.5	4.4798	4.908
			25/0	707.5	4.4963	4.898
			25/0	713.5	4.5003	4.961
		QPSK	25/0	701.5	4.4914	4.919
			25/0	707.5	4.4988	4.933
			25/0	713.5	4.4907	4.917
	10	16QAM	50/0	704	8.9359	9.662
			50/0	707.5	8.9311	9.602
			50/0	711	8.9359	9.662
		QPSK	50/0	704	8.9722	9.643
			50/0	707.5	8.9565	9.655
			50/0	711	8.9379	9.601





LTE Band 13

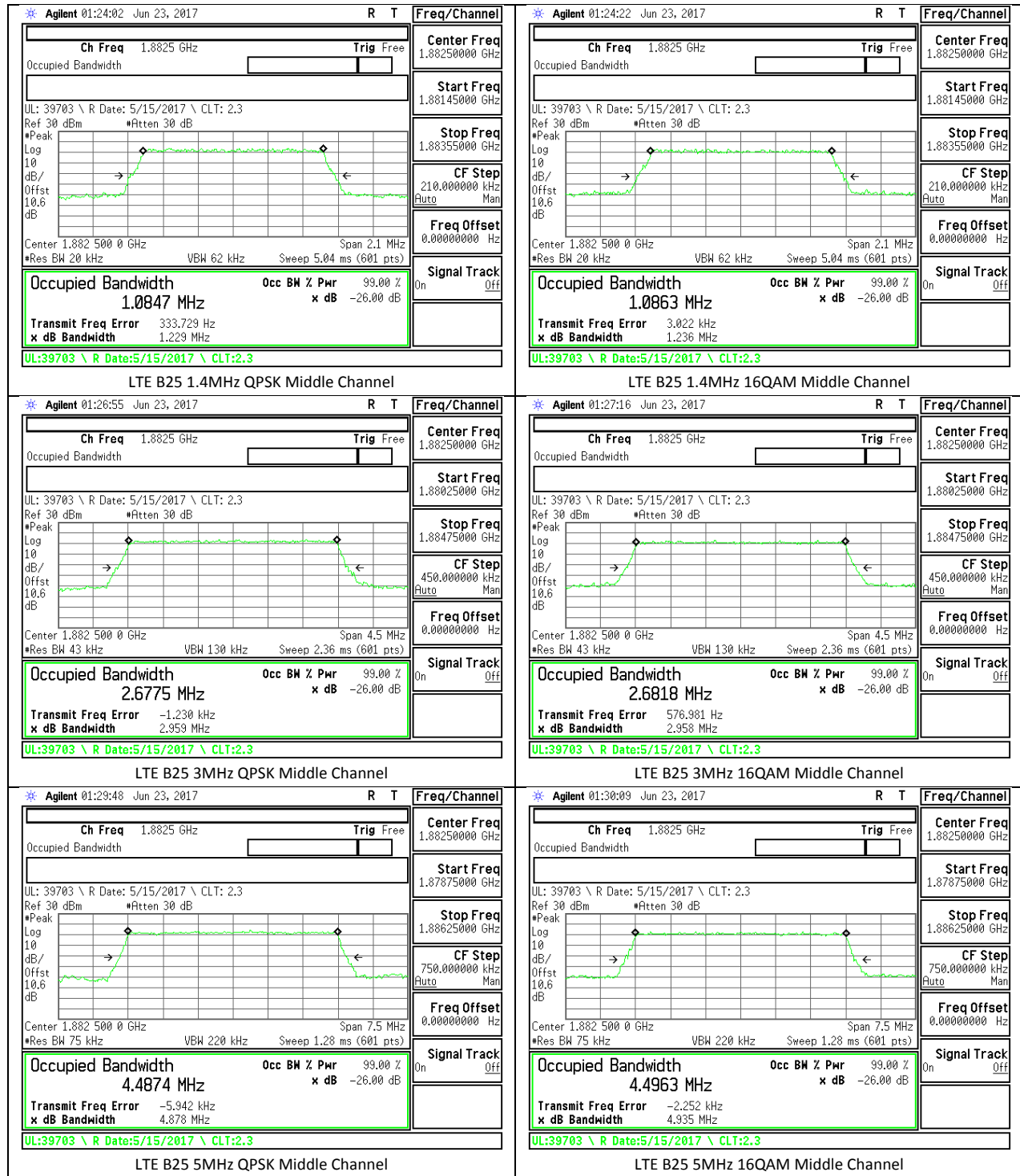
Band	BW(MHz)	Mode	RB/RB Size	f (MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE13	5	16QAM	25/0	779.5	4.4921	4.905
			25/0	782	4.4893	4.880
			25/0	784.5	4.4799	4.916
		QPSK	25/0	779.5	4.4950	4.881
			25/0	782	4.4893	4.891
			25/0	784.5	4.5014	4.942
	10	16QAM	50/0			
			50/0	782	8.9744	9.609
			50/0			
		QPSK	50/0			
			50/0	782	8.9645	9.617
			50/0			

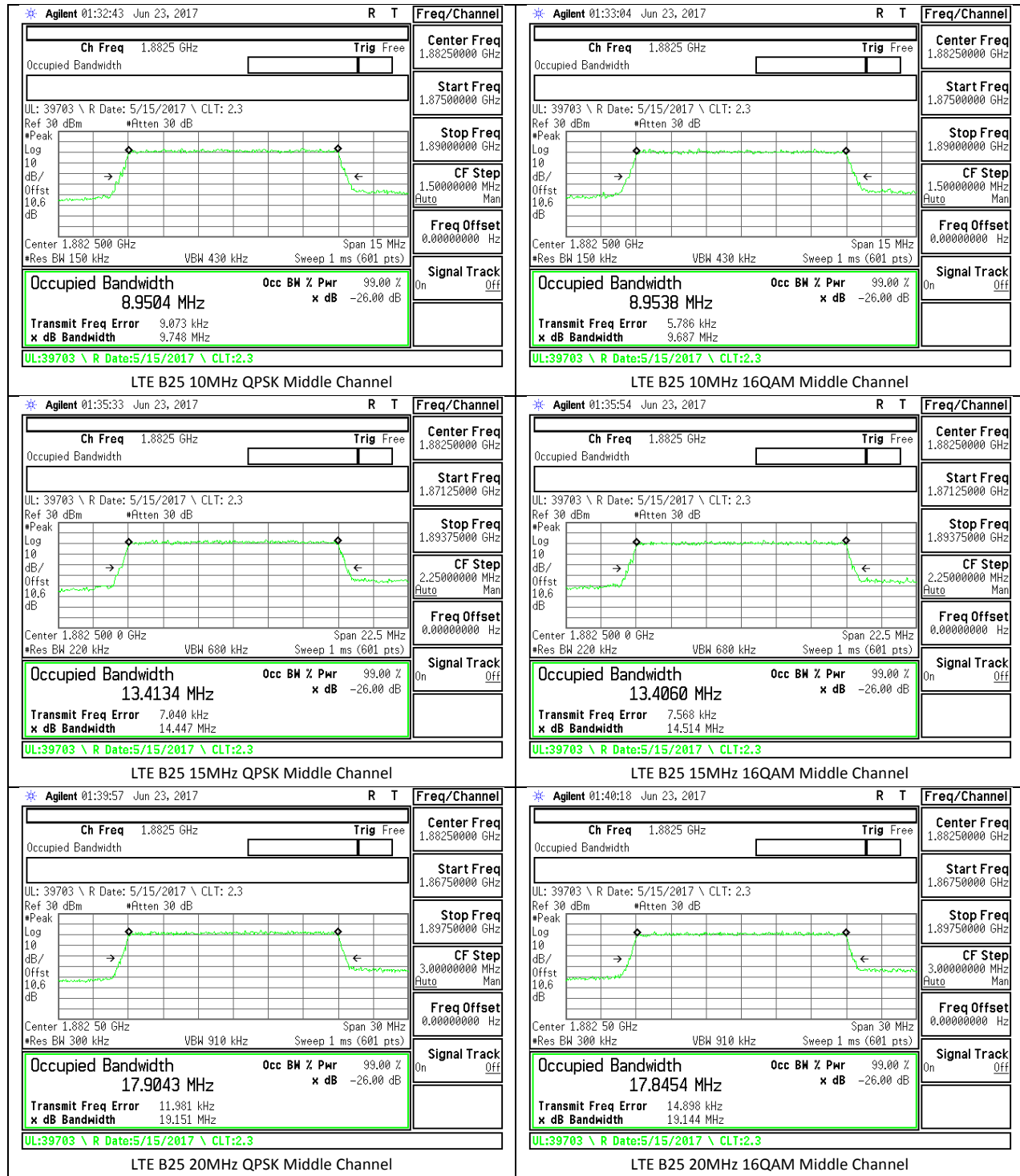


LTE Band 25

Band	BW(MHz)	Mode	RB/RB Size	f (MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE25	1.4	16QAM	6/0	1850.7	1.0829	1.216
			6/0	1882.5	1.0863	1.236
			6/0	1914.3	1.0790	1.230
		QPSK	6/0	1850.7	1.0808	1.211
			6/0	1882.5	1.0847	1.229
			6/0	1914.3	1.0913	1.238
	3	16QAM	15/0	1851.5	2.6843	2.982
			15/0	1882.5	2.6818	2.958
			15/0	1913.5	2.6840	2.984
		QPSK	15/0	1851.5	2.6768	2.965
			15/0	1882.5	2.6775	2.959
			15/0	1913.5	2.6835	2.963
	5	16QAM	25/0	1852.5	4.4979	4.929
			25/0	1882.5	4.4963	4.935
			25/0	1912.5	4.4892	4.928
		QPSK	25/0	1852.5	4.4968	4.926
			25/0	1882.5	4.4874	4.878
			25/0	1912.5	4.4987	4.884
	10	16QAM	50/0	1855	8.9750	9.635
			50/0	1882.5	8.9538	9.687
			50/0	1910	8.9458	9.739
		QPSK	50/0	1855	8.9203	9.513
			50/0	1882.5	8.9504	9.748
			50/0	1910	8.9340	9.629

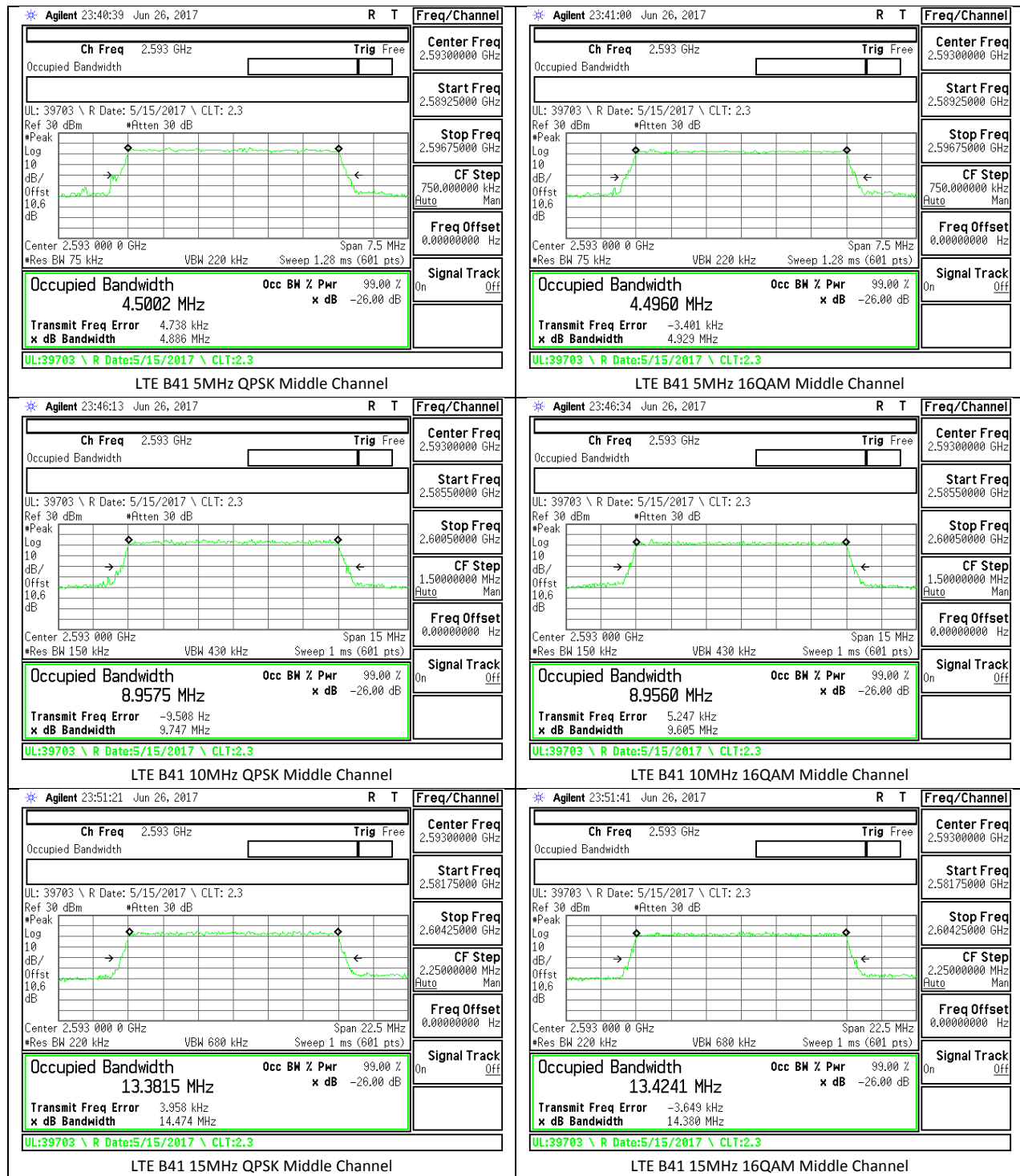
Band	BW(MHz)	Mode	RB/RB Size	f (MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE25	15	16QAM	75/0	1857.5	13.4007	14.526
			75/0	1882.5	13.4060	14.514
			75/0	1907.5	13.3897	14.459
		QPSK	75/0	1857.5	13.3760	14.564
			75/0	1882.5	13.4134	14.447
			75/0	1907.5	13.3895	14.314
	20	16QAM	100/0	1860	17.8773	18.944
			100/0	1882.5	17.8454	19.144
			100/0	1905	17.8503	19.167
		QPSK	100/0	1860	17.8801	19.180
			100/0	1882.5	17.9043	19.151
			100/0	1905	17.8077	19.183

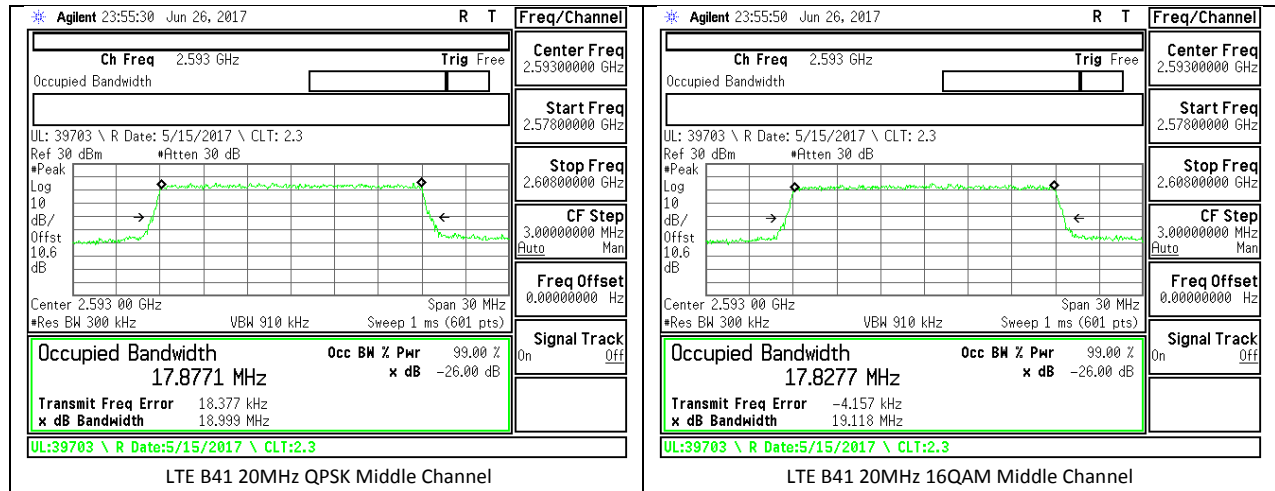




LTE Band 41

Band	BW(MHz)	Mode	RB/RB Size	f (MHz)	99% BW (MHz)	-26dB BW
LTE41	5	16QAM	25/0	2498.5	4.4739	4.928
			25/0	2593	4.4960	4.929
			25/0	2687.5	4.4952	4.946
		QPSK	25/0	2498.5	4.5057	4.968
			25/0	2593	4.5002	4.886
			25/0	2687.5	4.4926	4.926
	10	16QAM	50/0	2501	8.9468	9.687
			50/0	2593	8.9560	9.605
			50/0	2685	8.9640	9.677
		QPSK	50/0	2501	8.9386	9.693
			50/0	2593	8.9575	9.747
			50/0	2685	8.9698	9.586
	15	16QAM	75/0	2503.5	13.4228	14.451
			75/0	2593	13.4241	14.380
			75/0	2682.5	13.4091	14.404
		QPSK	75/0	2503.5	13.3859	14.398
			75/0	2593	13.3815	14.474
			75/0	2682.5	13.4147	14.501
	20	16QAM	100/0	2506	17.8827	19.175
			100/0	2593	17.8277	19.118
			100/0	2680	17.7530	18.987
		QPSK	100/0	2506	17.7951	19.126
			100/0	2593	17.8771	18.999
			100/0	2680	17.8348	19.056

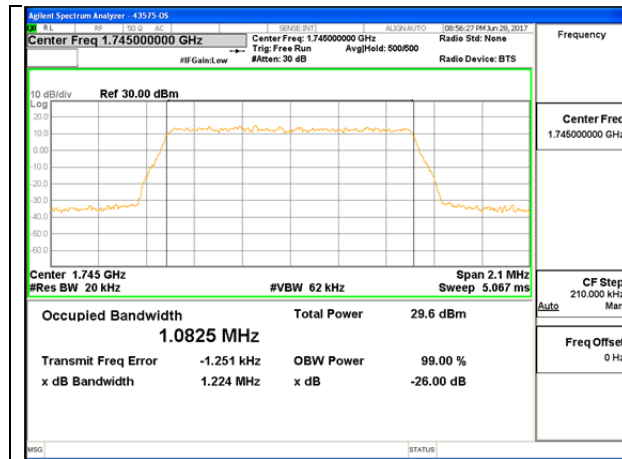




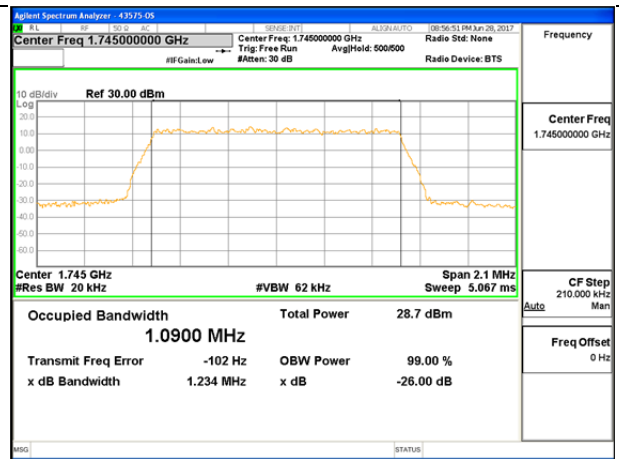
LTE Band 66

Band	BW(MHz)	Mode	RB/RB Size	f (MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE66	1.4	16QAM	6/0	1710.7	1.0818	1.222
			6/0	1745	1.0900	1.234
			6/0	1779.3	1.0796	1.231
		QPSK	6/0	1710.7	1.0788	1.225
			6/0	1745	1.0825	1.224
			6/0	1779.3	1.0903	1.233
	3	16QAM	15/0	1711.5	2.6878	2.973
			15/0	1745	2.6901	2.994
			15/0	1778.5	2.6908	2.954
		QPSK	15/0	1711.5	2.6909	2.943
			15/0	1745	2.6913	2.979
			15/0	1778.5	2.6942	2.970
	5	16QAM	25/0	1712.5	4.4802	4.892
			25/0	1745	4.4925	4.924
			25/0	1777.5	4.4894	4.927
		QPSK	25/0	1712.5	4.4948	4.906
			25/0	1745	4.5074	4.945
			25/0	1777.5	4.4854	4.923
	10	16QAM	50/0	1715	8.9578	9.738
			50/0	1745	8.9655	9.737
			50/0	1775	8.9513	9.752
		QPSK	50/0	1715	8.9709	9.677
			50/0	1745	8.9513	9.716
			50/0	1775	8.9655	9.801

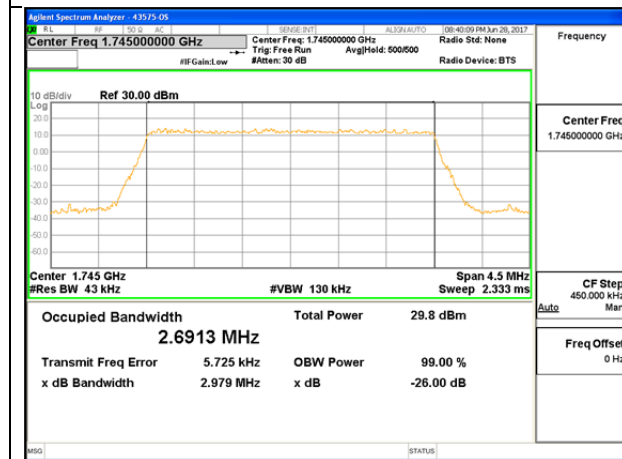
Band	BW(MHz)	Mode	RB/RB Size	f (MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE66	15	16QAM	75/0	1717.5	13.442	14.48
			75/0	1745	13.420	14.51
			75/0	1772.5	13.423	14.48
		QPSK	75/0	1717.5	13.420	14.55
			75/0	1745	13.438	14.50
			75/0	1772.5	13.425	14.41
	20	16QAM	100/0	1720	17.9080	19.43
			100/0	1745	17.896	19.24
			100/0	1770	17.850	19.19
		QPSK	100/0	1720	17.873	19.20
			100/0	1745	17.893	19.40
			100/0	1770	17.889	19.19



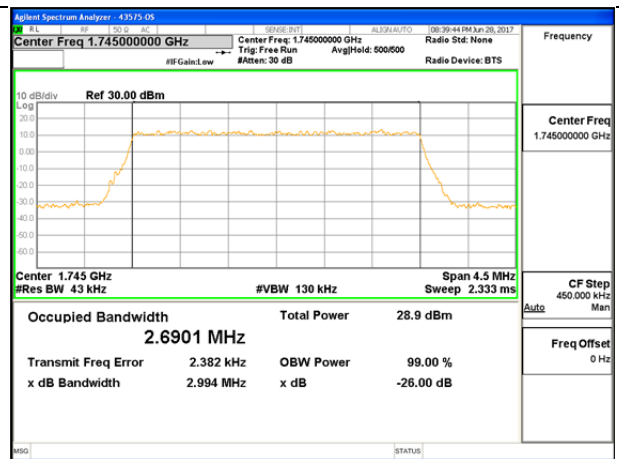
LTE B66 1.4MHz QPSK Middle Channel



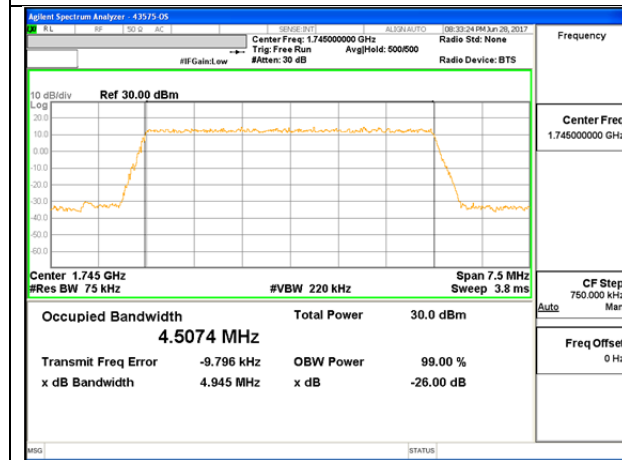
LTE B66 1.4MHz 16QAM Middle Channel



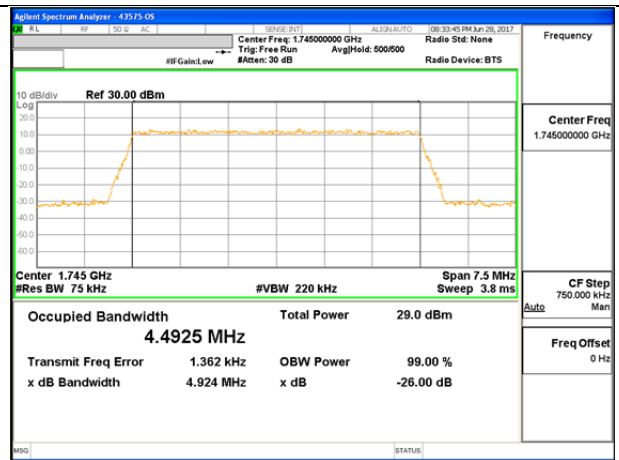
LTE B66 3MHz QPSK Middle Channel



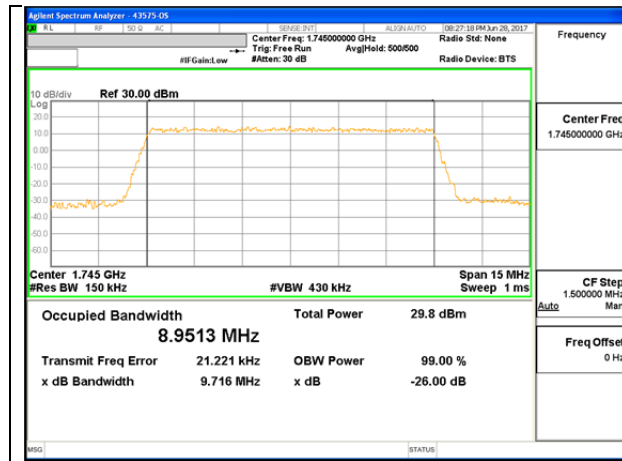
LTE B66 3MHz 16QAM Middle Channel



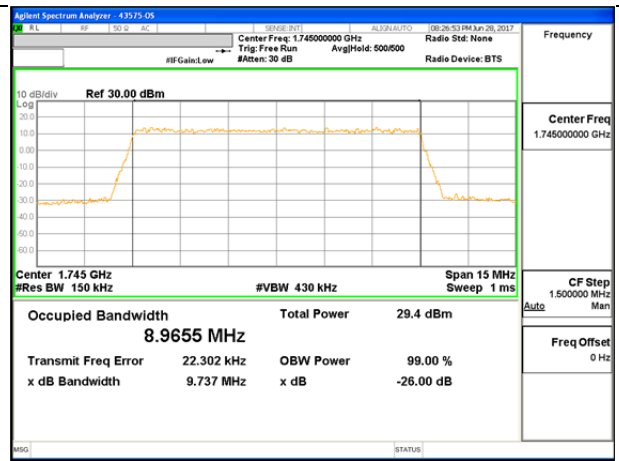
LTE B66 5MHz QPSK Middle Channel



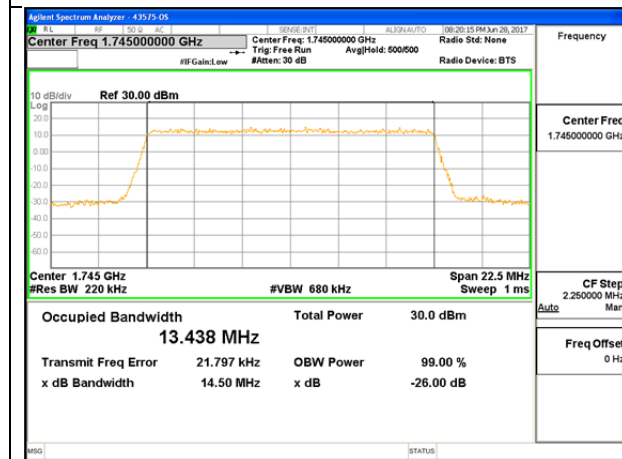
LTE B66 5MHz 16QAM Middle Channel



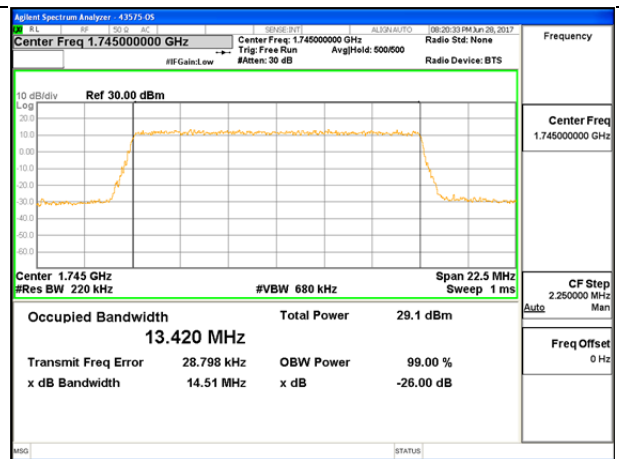
LTE B66 10MHz QPSK Middle Channel



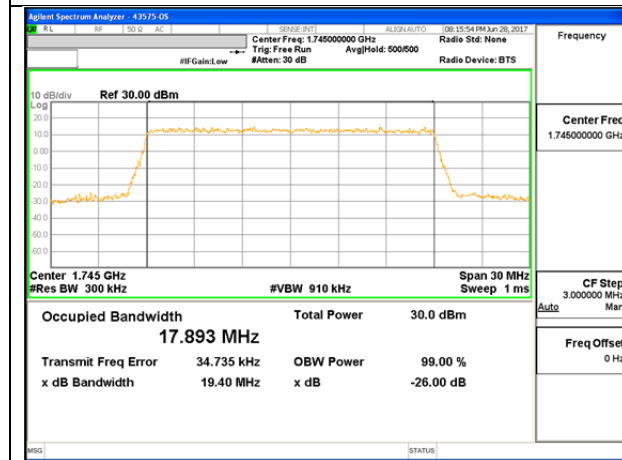
LTE B66 10MHz 16QAM Middle Channel



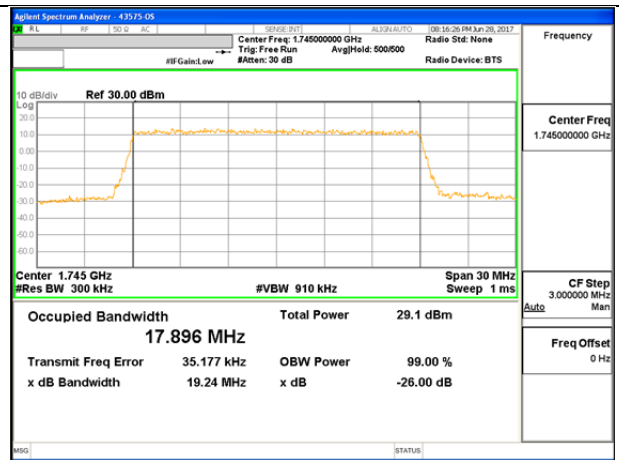
LTE B66 15MHz QPSK Middle Channel



LTE B66 15MHz 16QAM Middle Channel



LTE B66 20MHz QPSK Middle Channel



LTE B66 20MHz 16QAM Middle Channel

14. BAND EDGE EMISSIONS

RULE PART(S)

FCC: §22.359, §24.238, §27.53 and § 90.691

FCC LIMITS

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.

Part 27: (m)(4) (4) 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 than $43 + 10 \log (P)$ 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 90:

(a)(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10} (f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(a)(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz. {NOTE: Use 100 kHz reference bandwidth.}

TEST PROCEDURE

Per KDB 971168 D01 Power Meas License Digital Systems v02r02

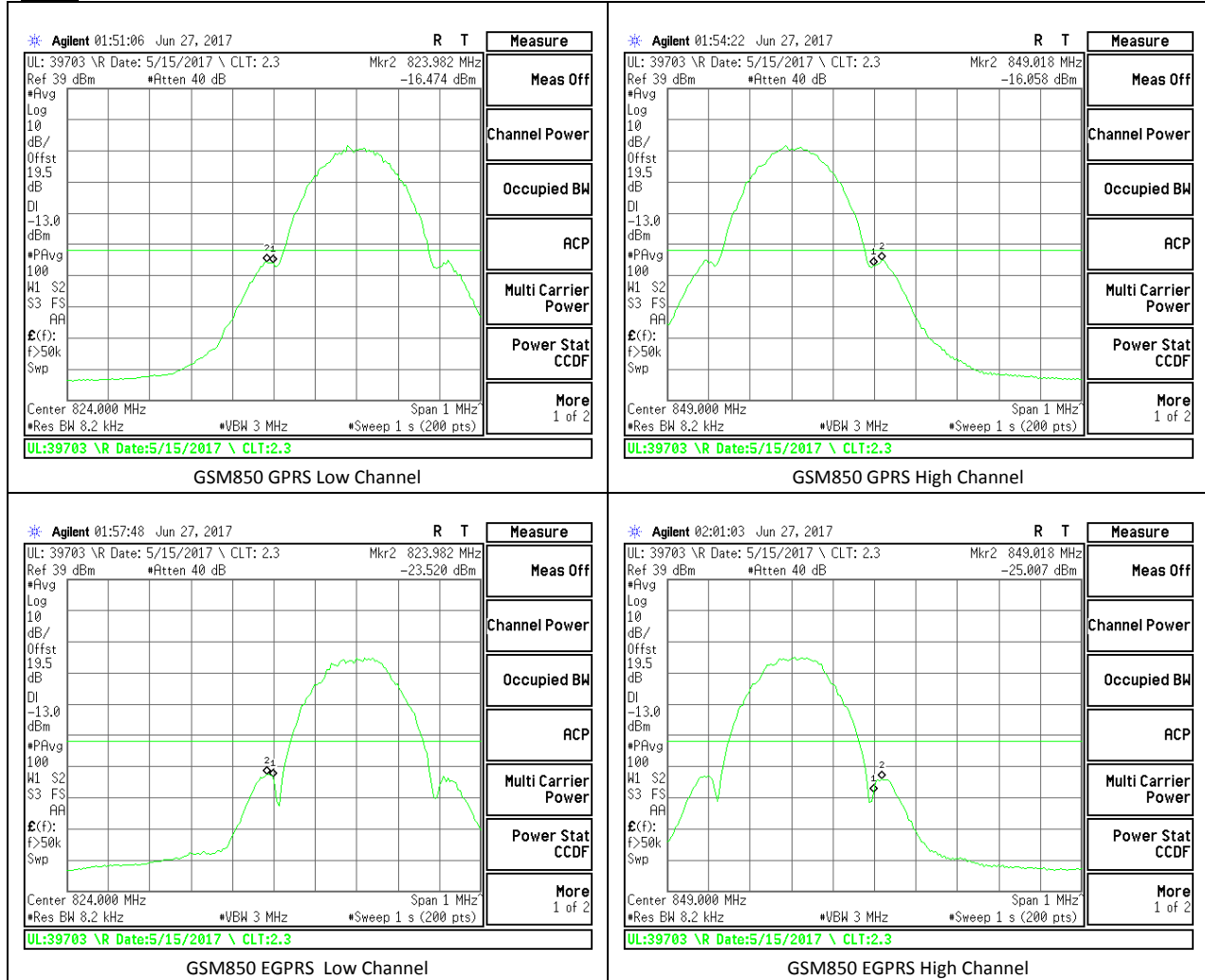
The transmitter output was connected to an Agilent 8960 or a CMW500 Test Set and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

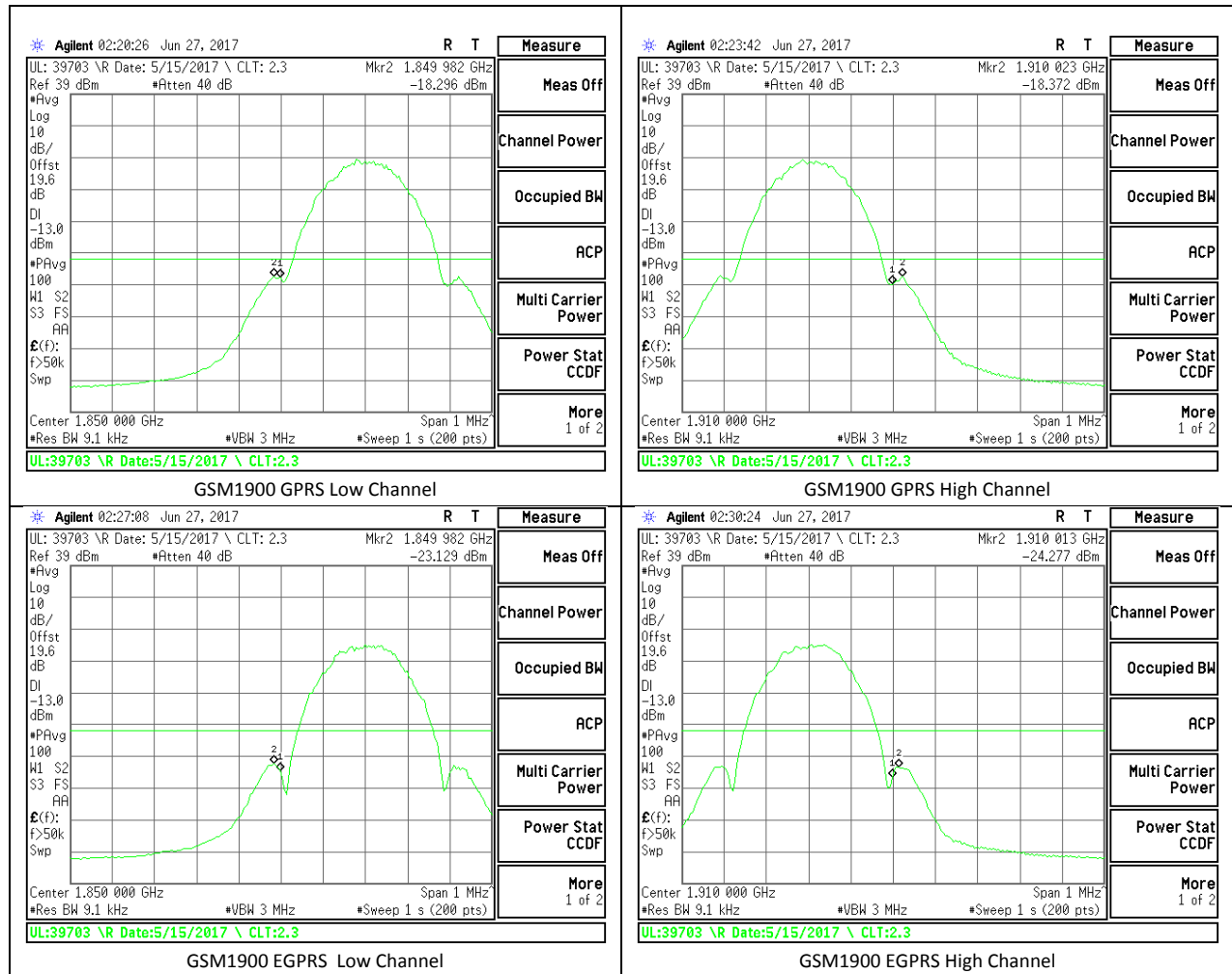
For each band edge measurement:

- Set the spectrum analyzer span to include the block edge frequency.
- Set a marker to point the corresponding band edge frequency in each test case.
- Set display line at -13 dBm
- Set resolution bandwidth to at least 1% of emission bandwidth.

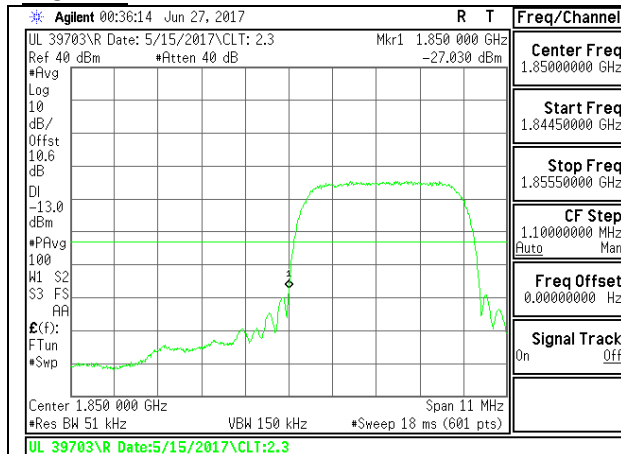
14.1. BAND EDGE PLOTS

GSM

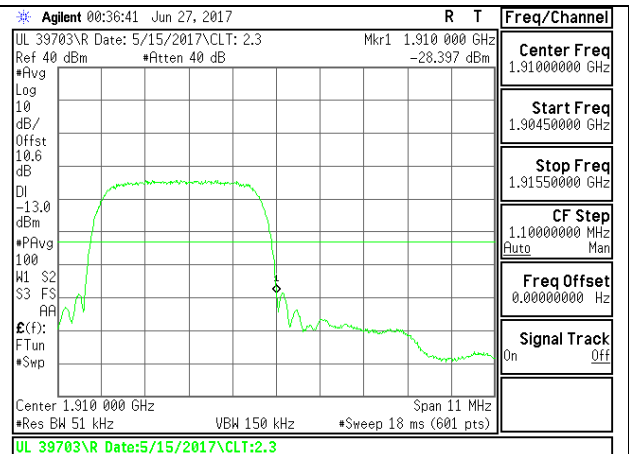




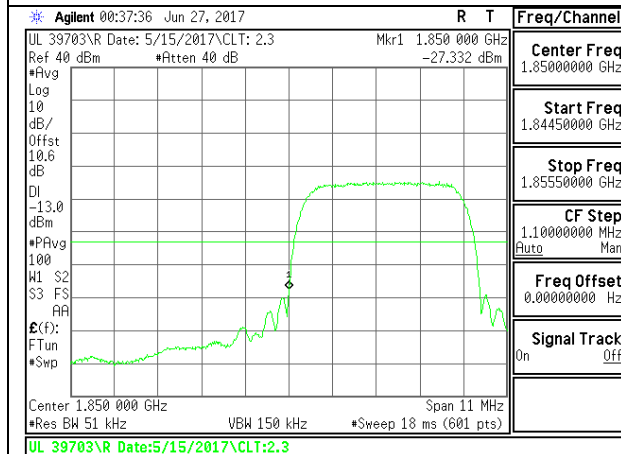
WCDMA



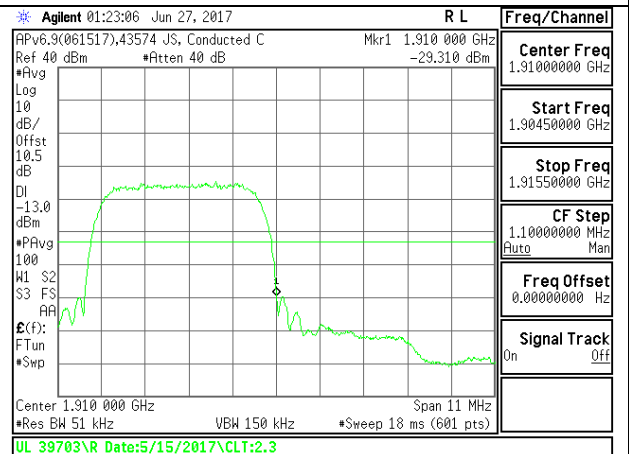
B2 REL99 Low Channel



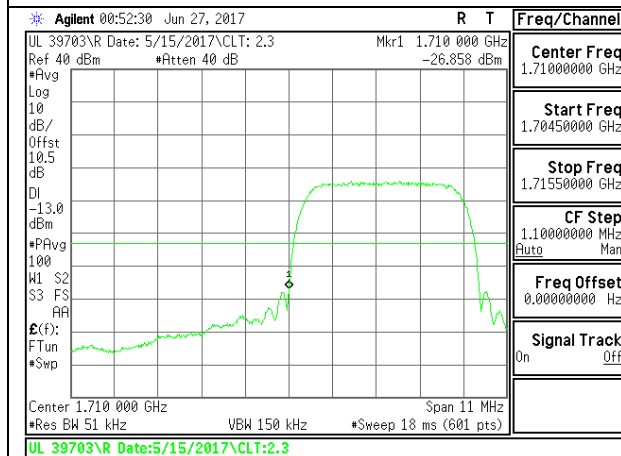
B2 REL99 High Channel



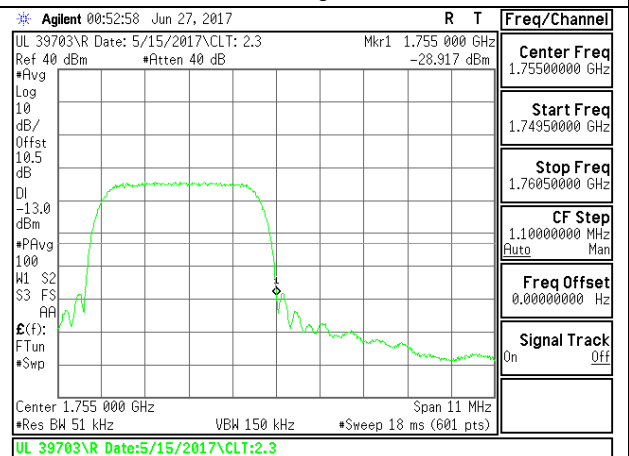
B2 HSDPA Low Channel



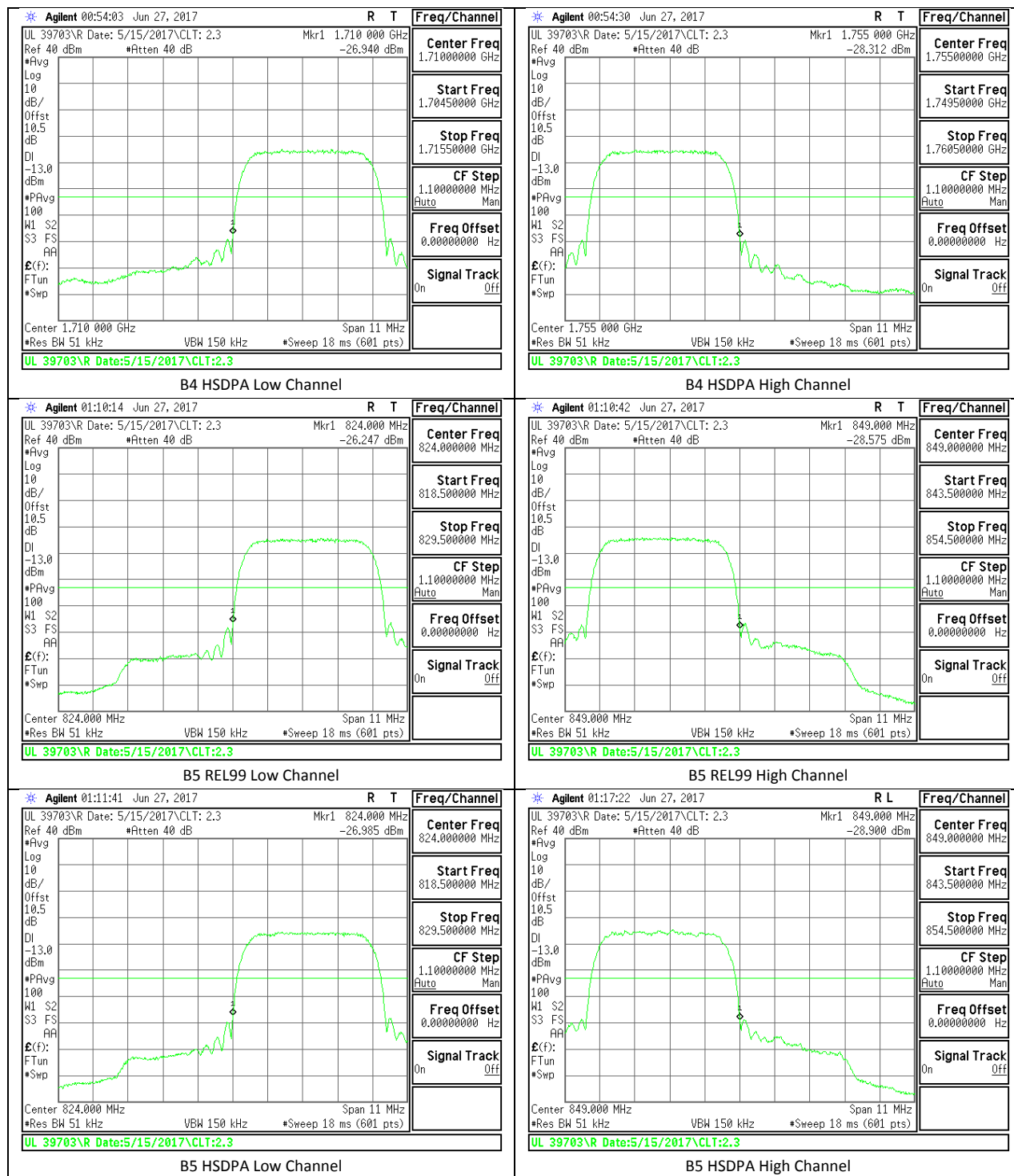
B2 HSDPA High Channel



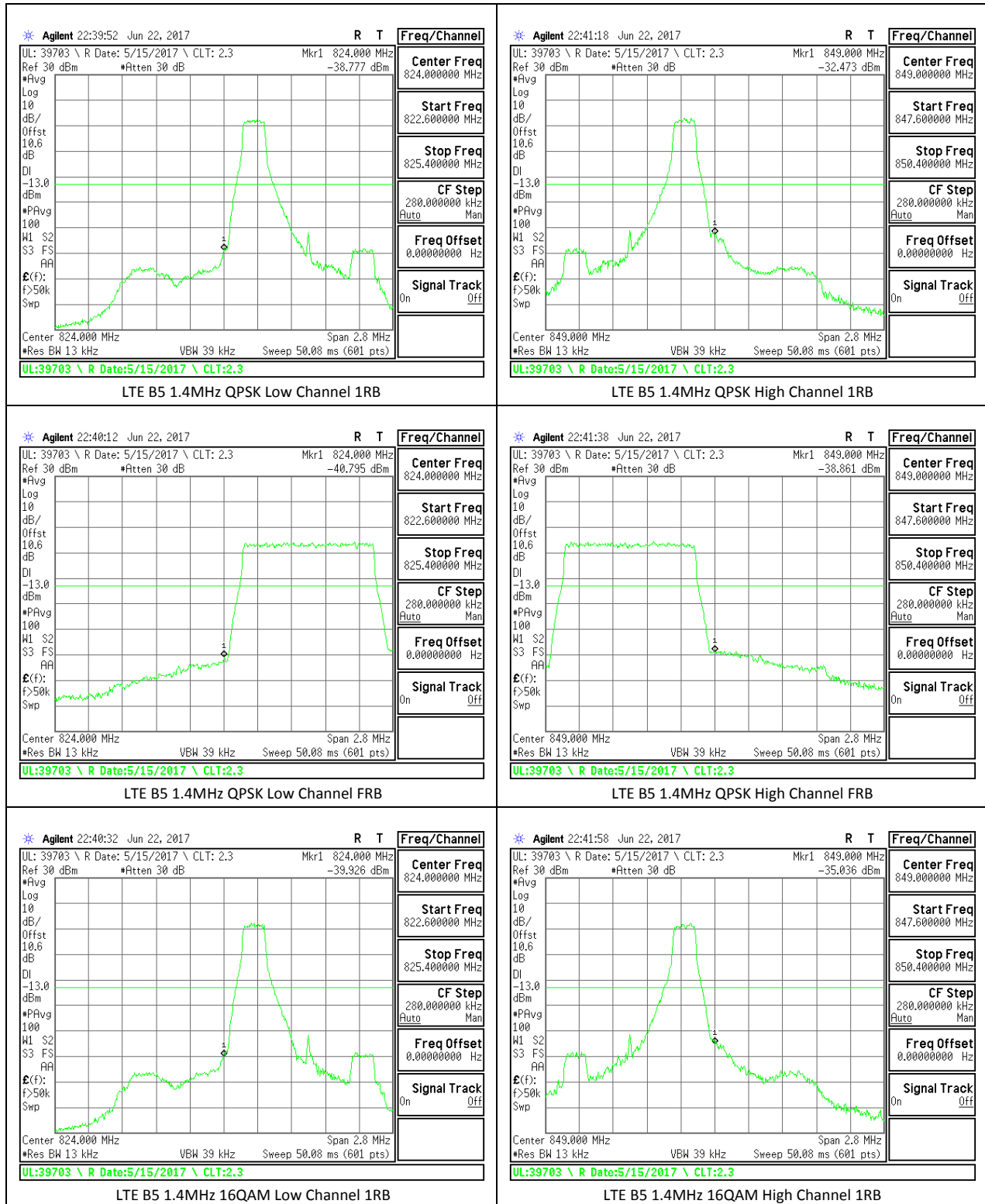
B4 REL99 Low Channel

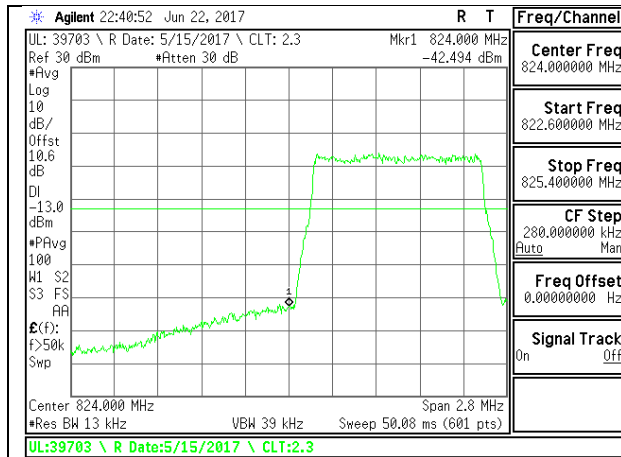


B4 REL99 High Channel

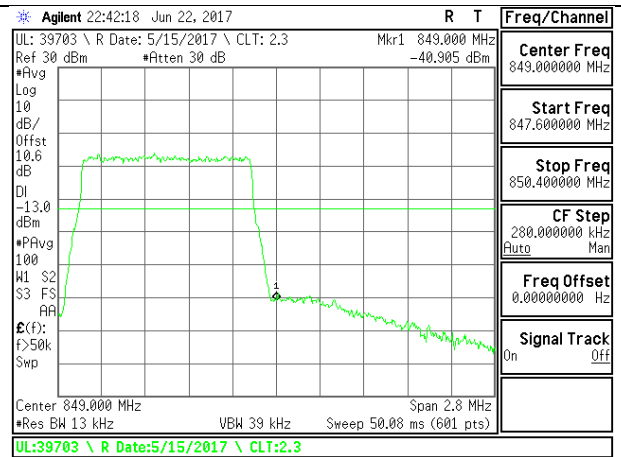


LTE Band 5

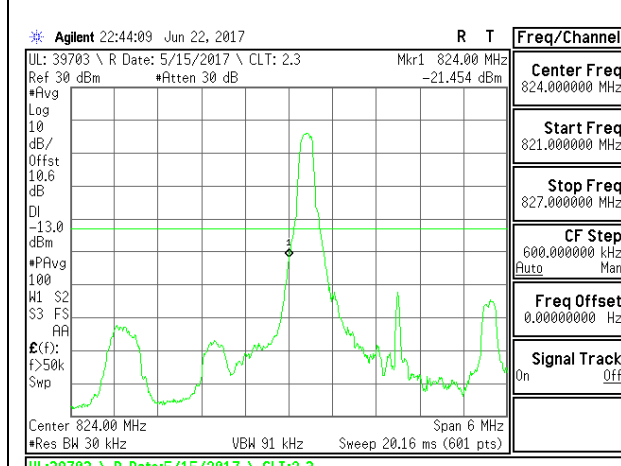




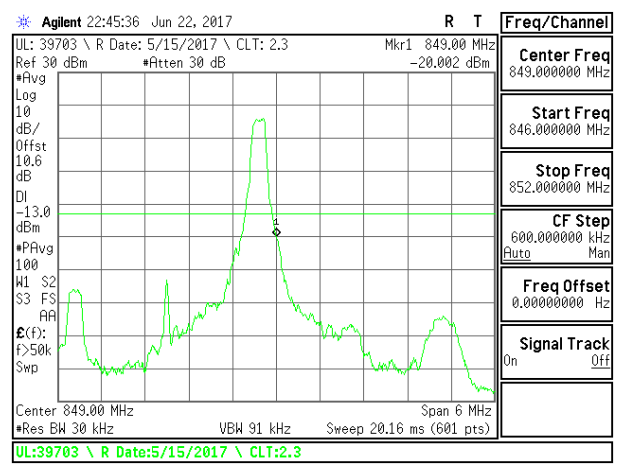
LTE B5 1.4MHz 16QAM Low Channel FRB



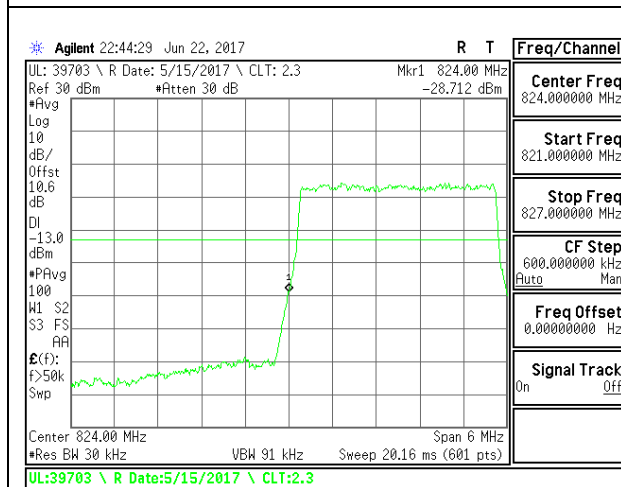
LTE B5 1.4MHz 16QAM High Channel FRB



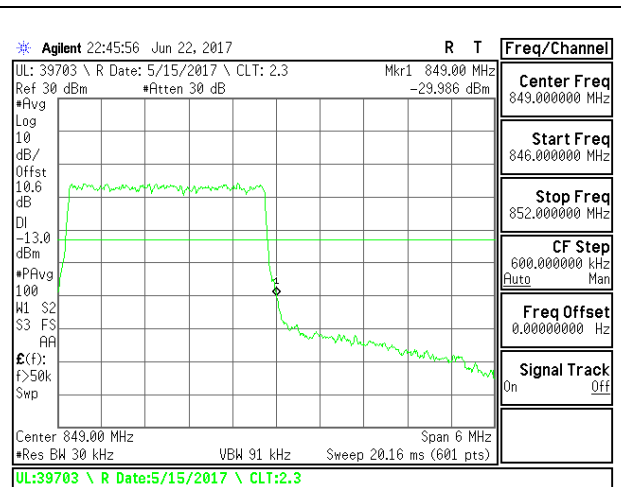
LTE B5 3MHz QPSK Low Channel 1RB



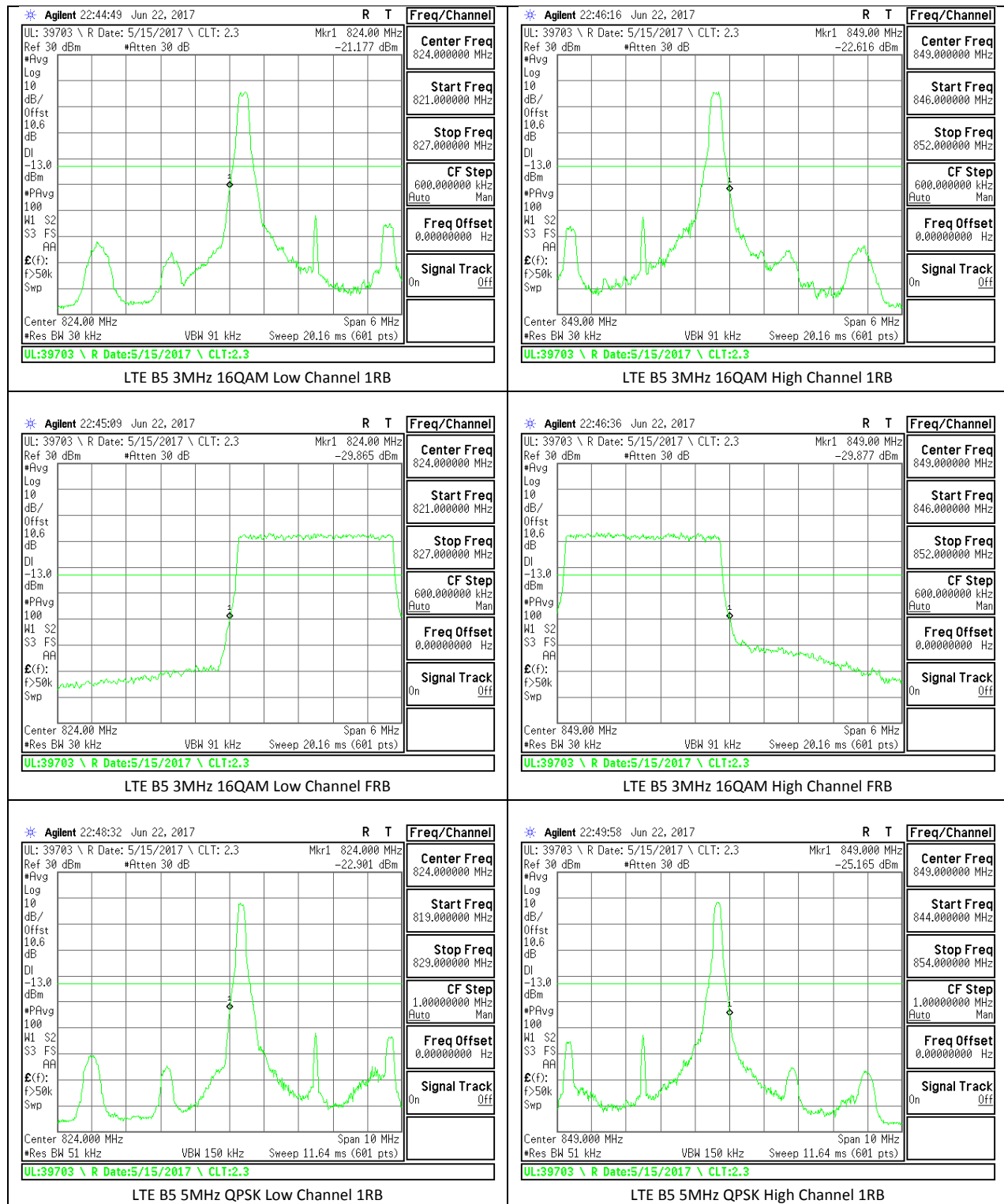
LTE B5 3MHz QPSK High Channel 1RB

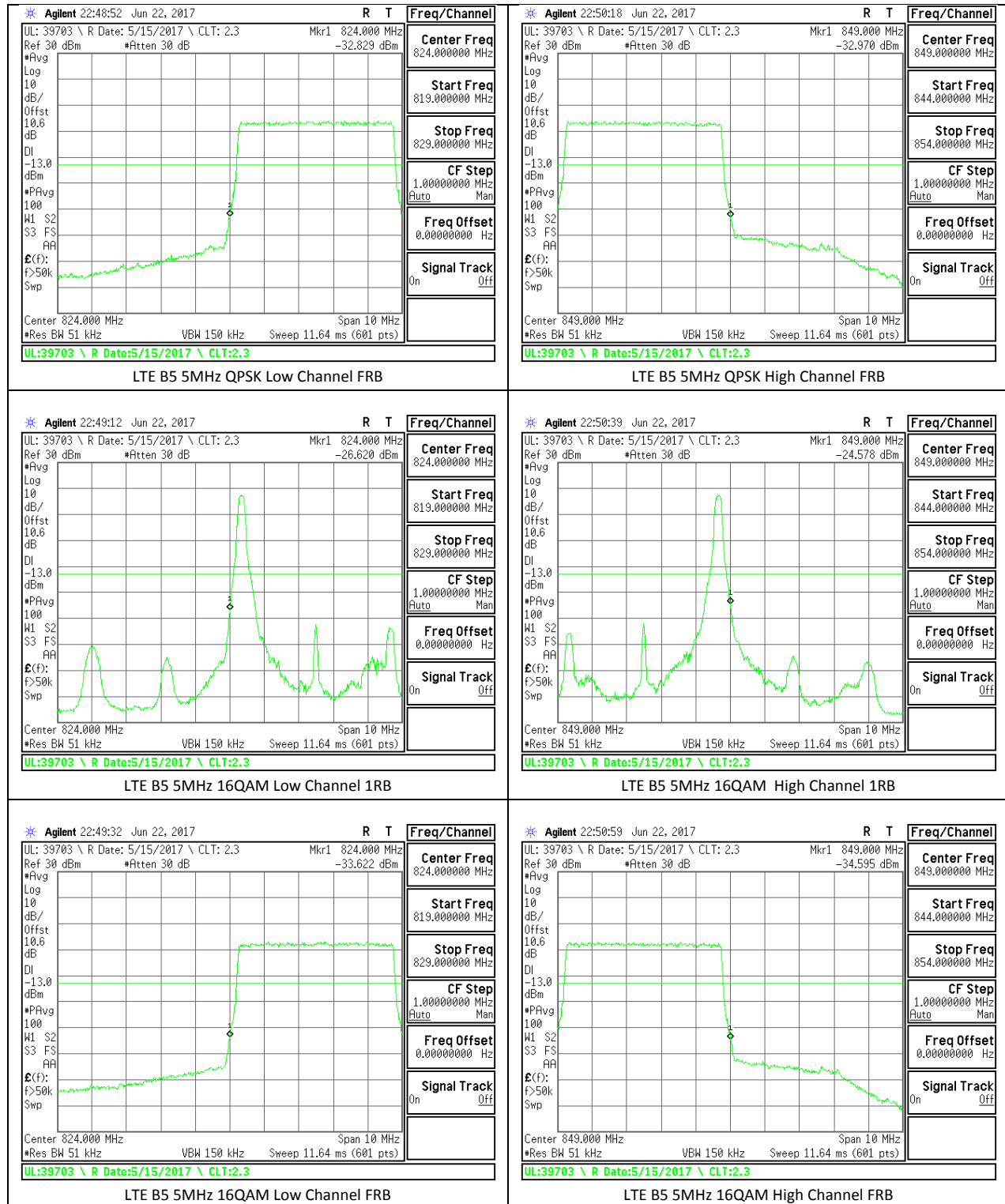


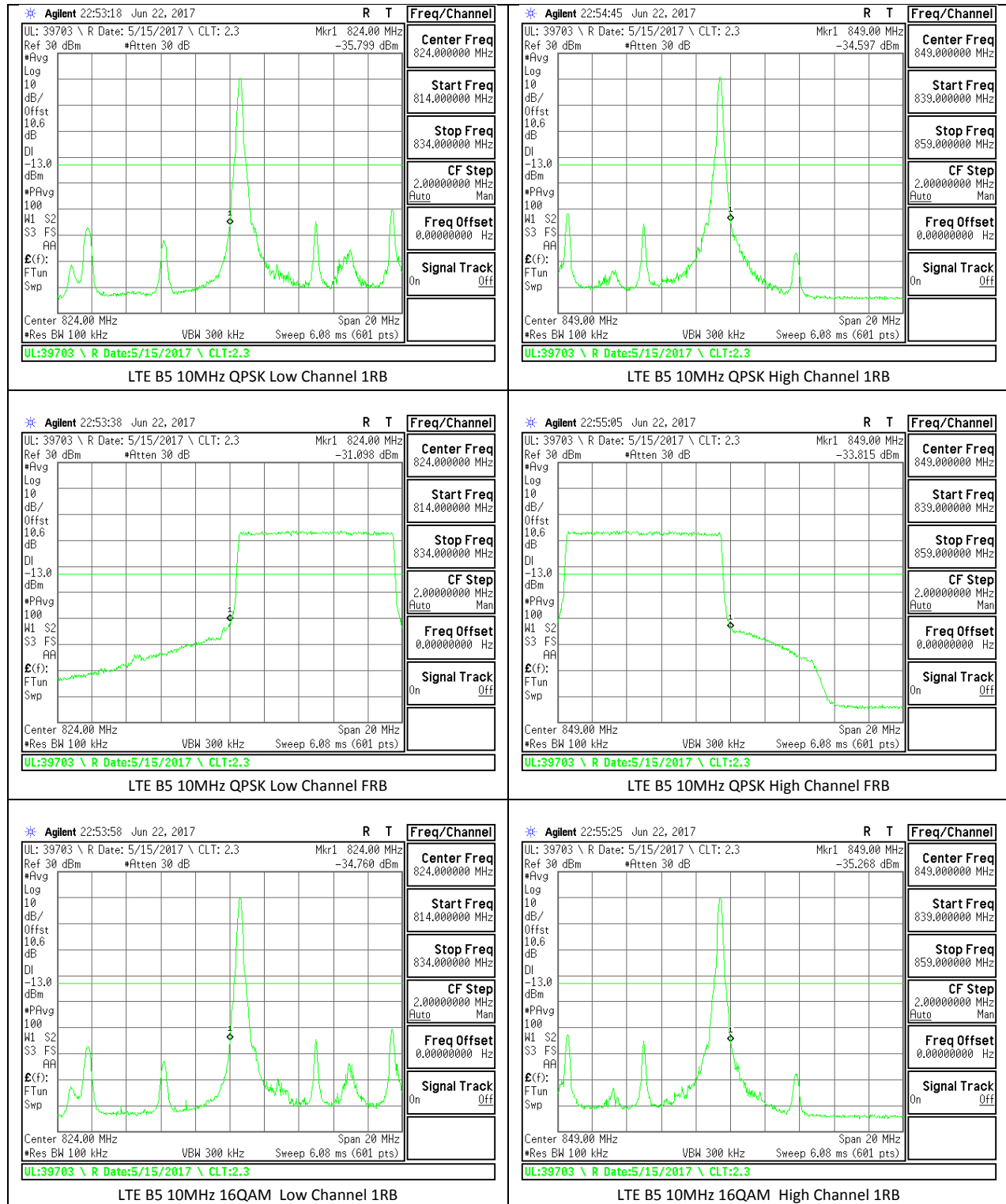
LTE B5 3MHz QPSK Low Channel FRB

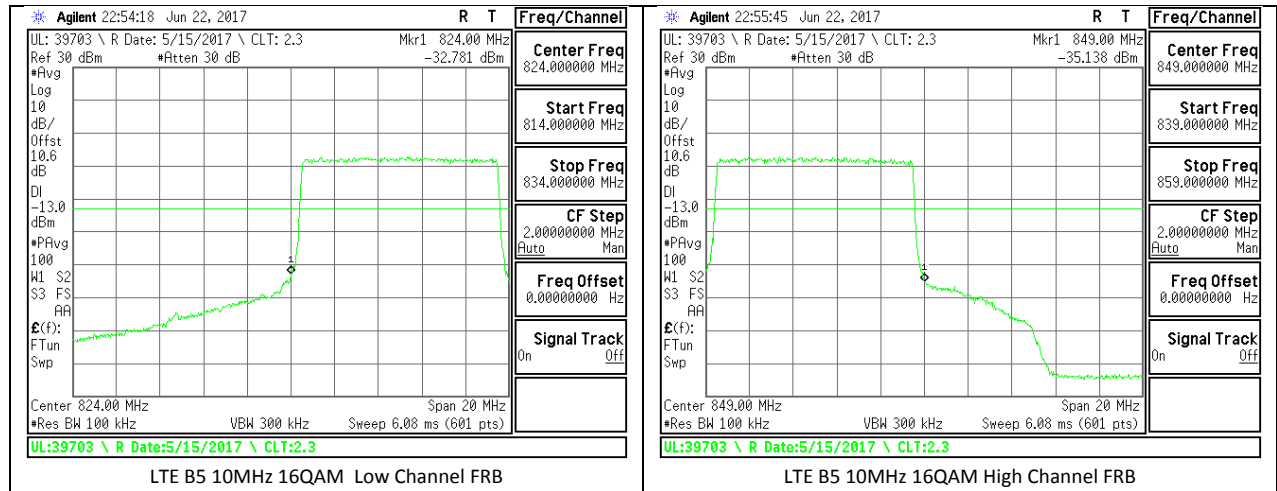


LTE B5 3MHz QPSK High Channel FRB

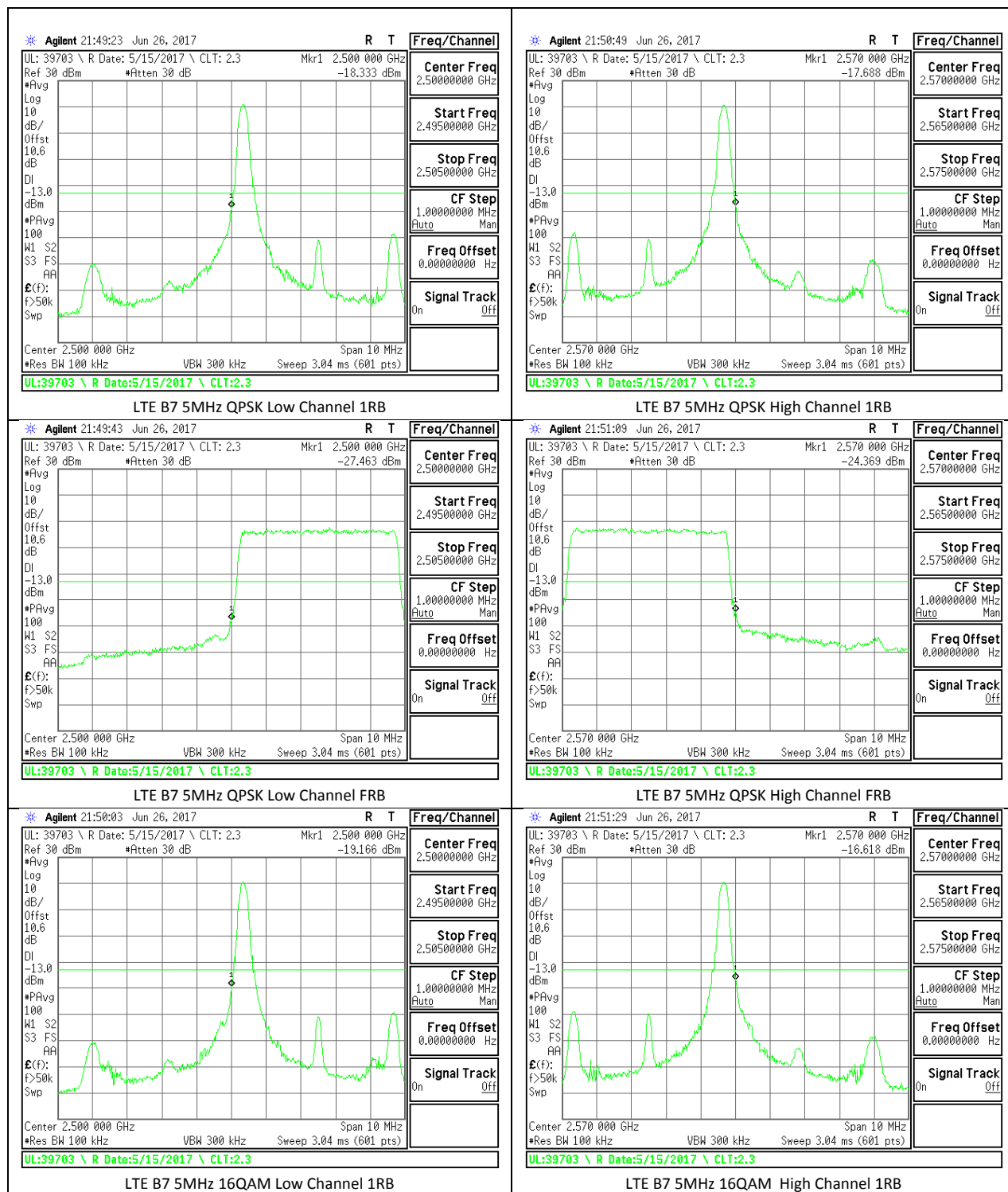


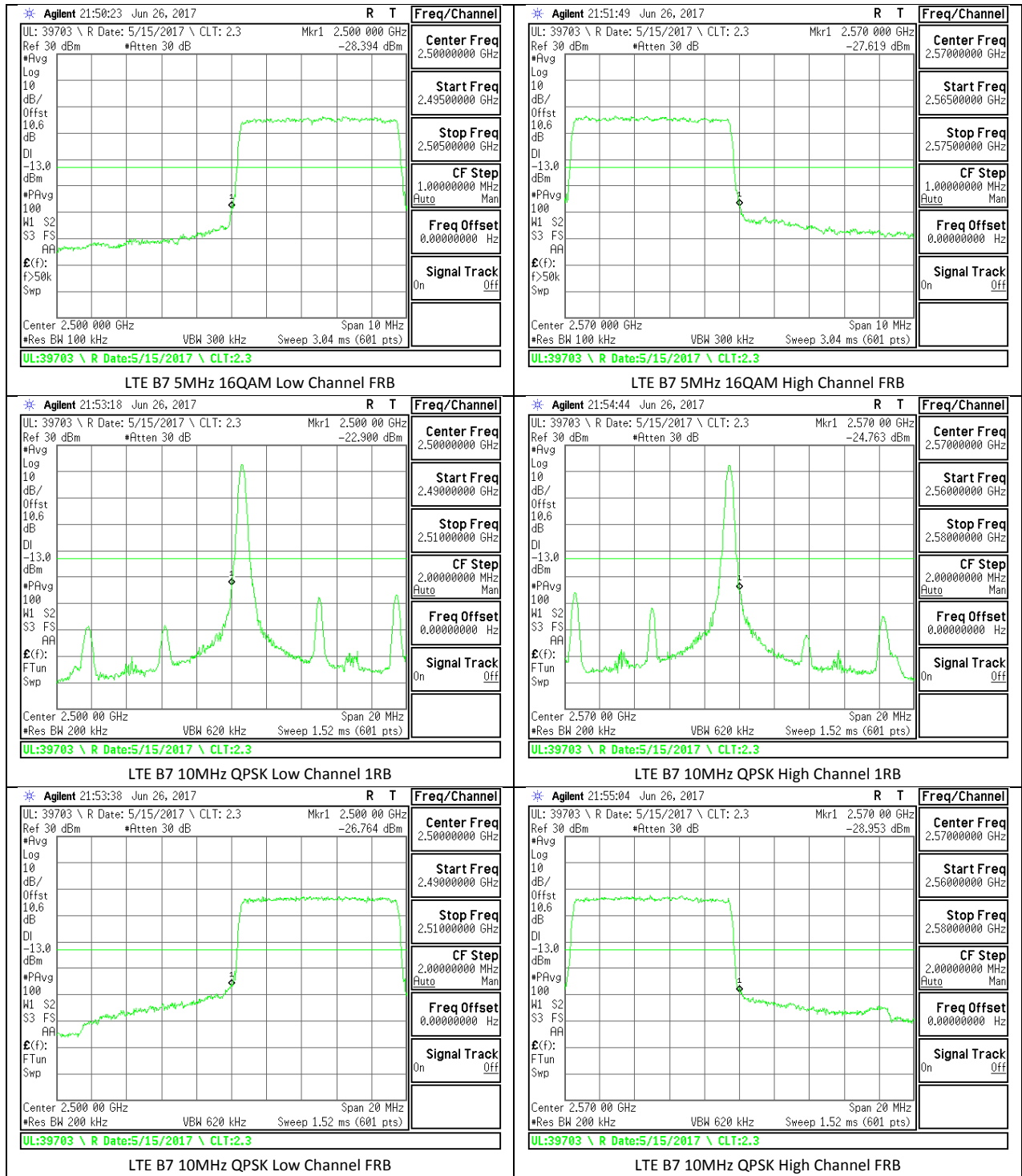


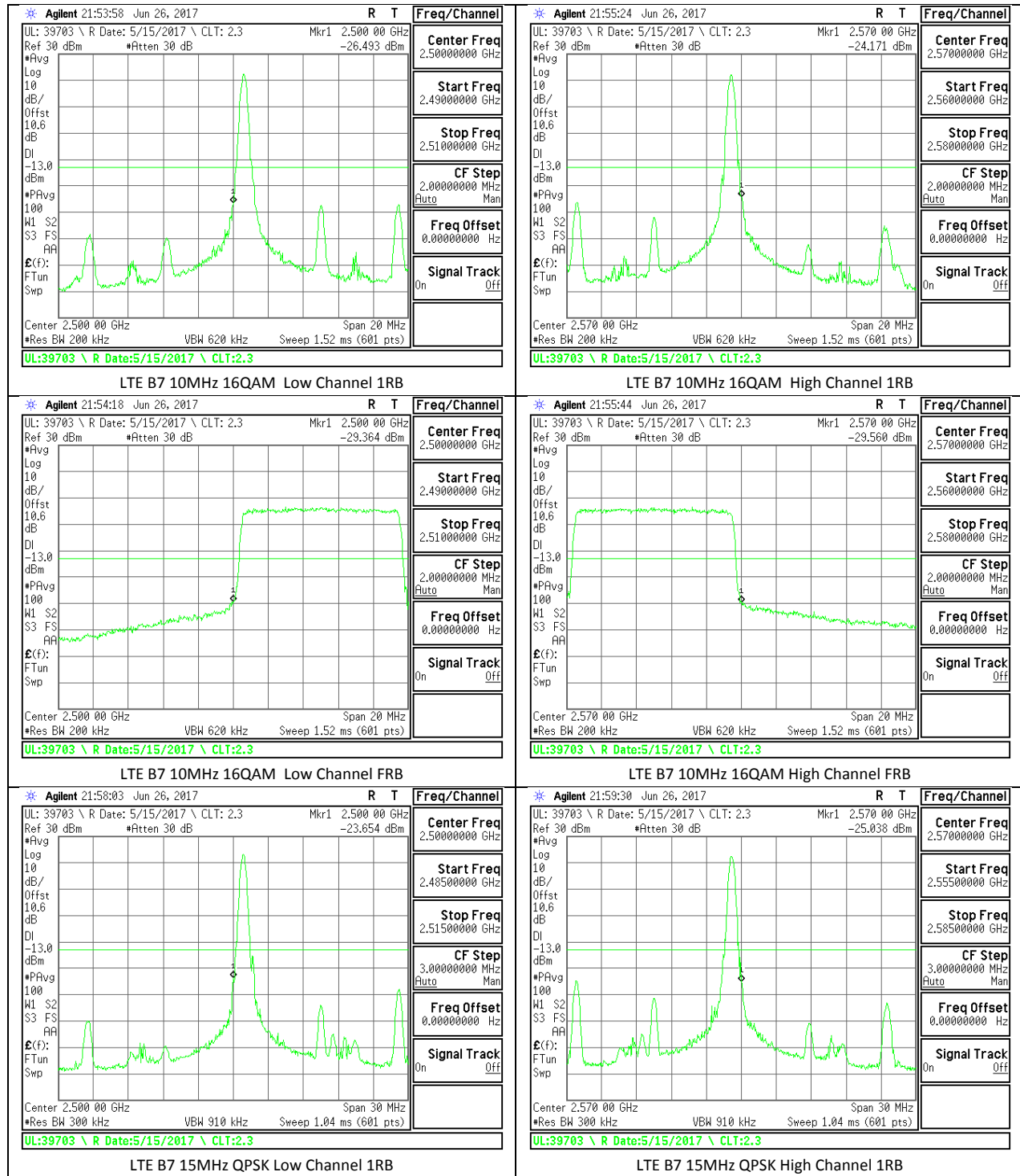


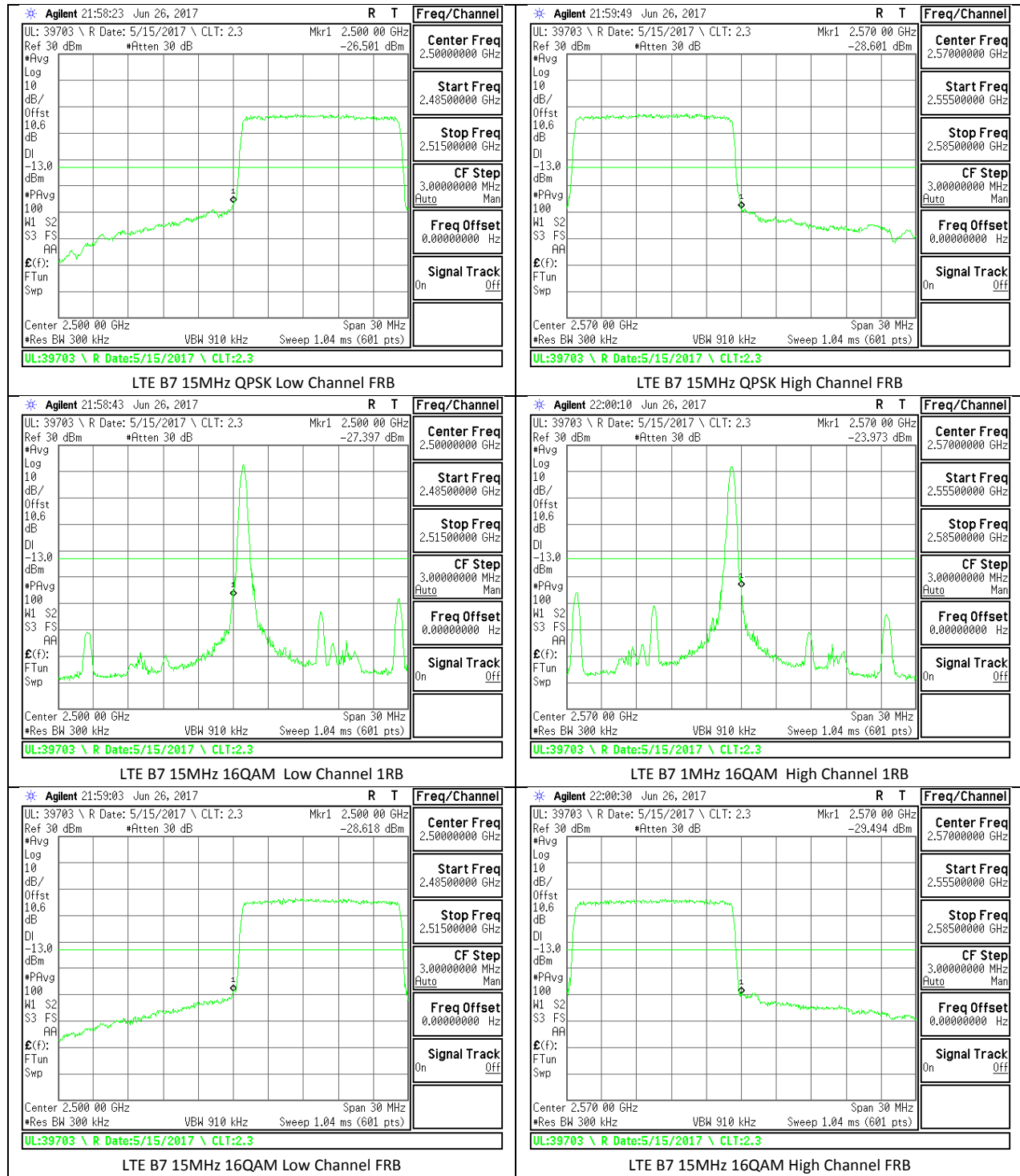


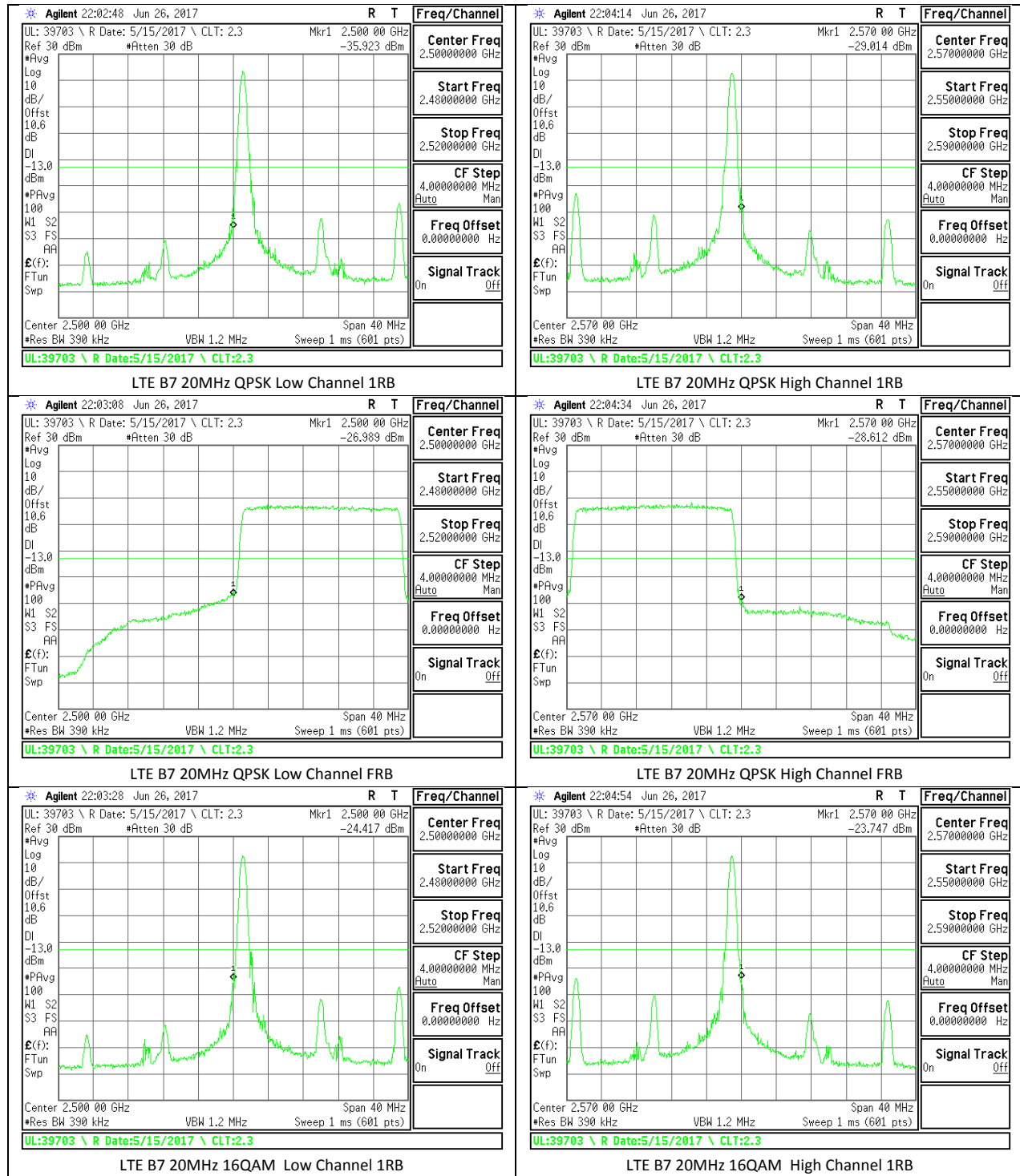
LTE Band 7

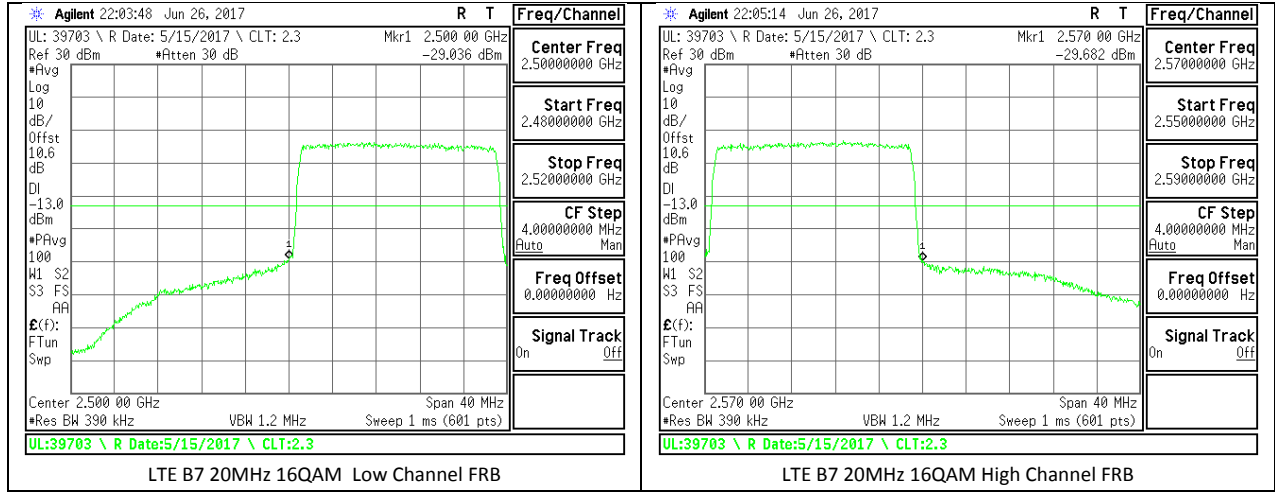




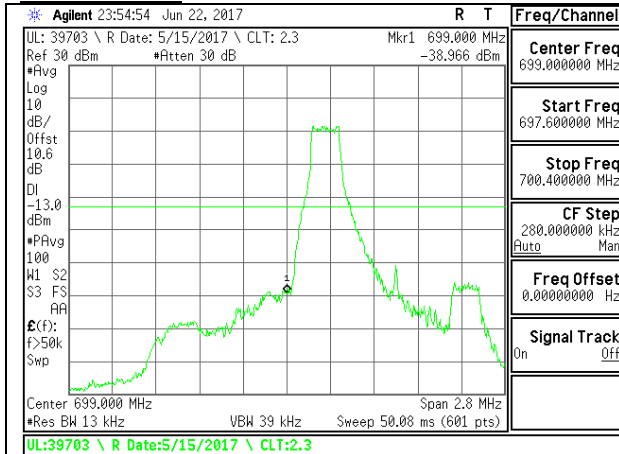




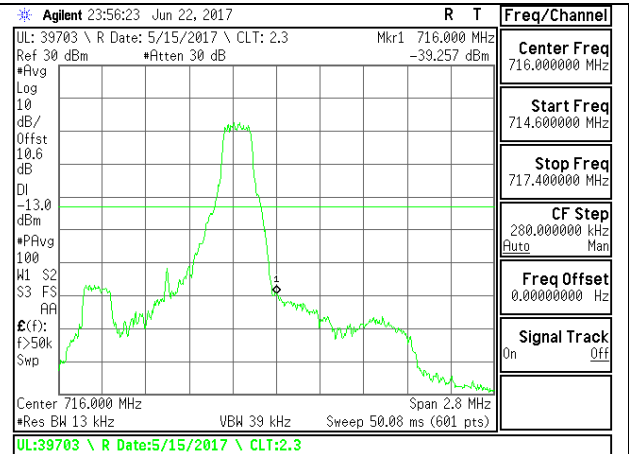




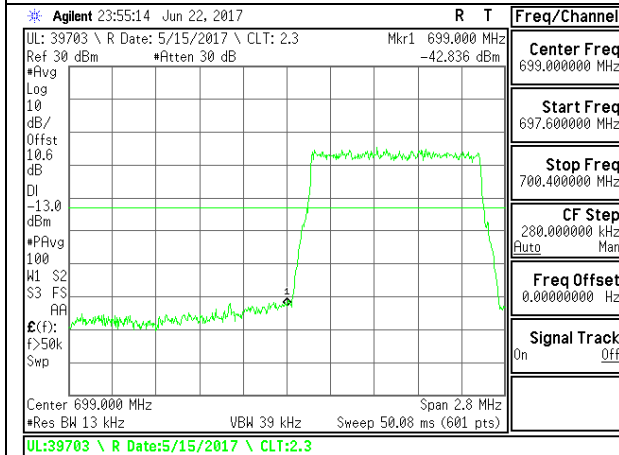
LTE Band 12



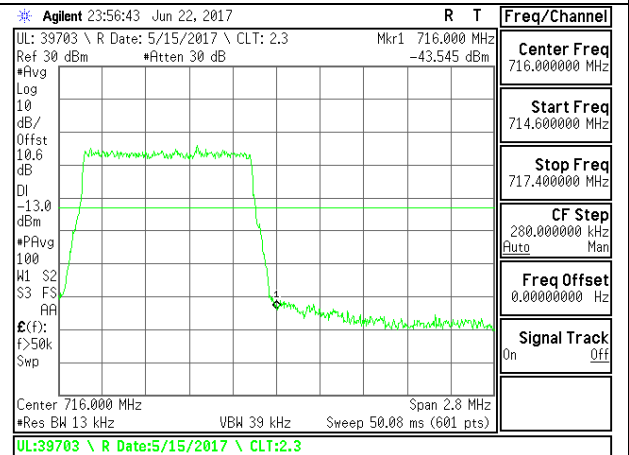
LTE B12 1.4MHz QPSK Low Channel 1RB



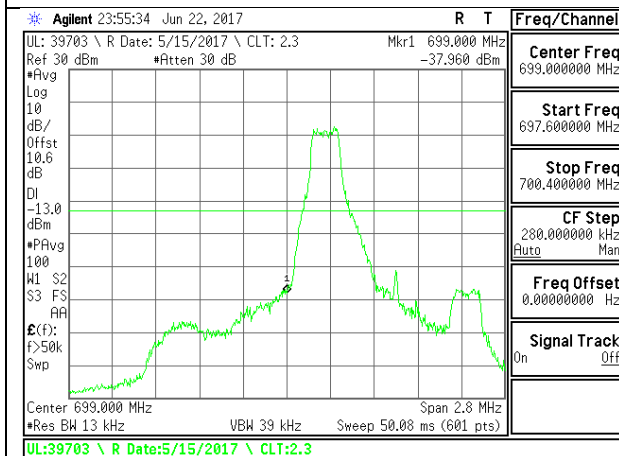
LTE B12 1.4MHz QPSK High Channel 1RB



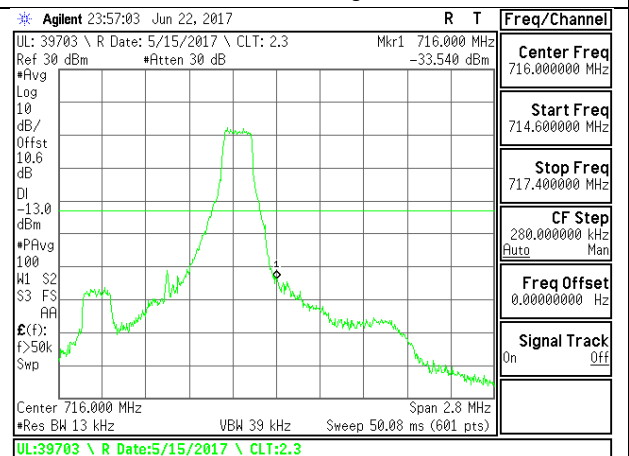
LTE B12 1.4MHz QPSK Low Channel FRB



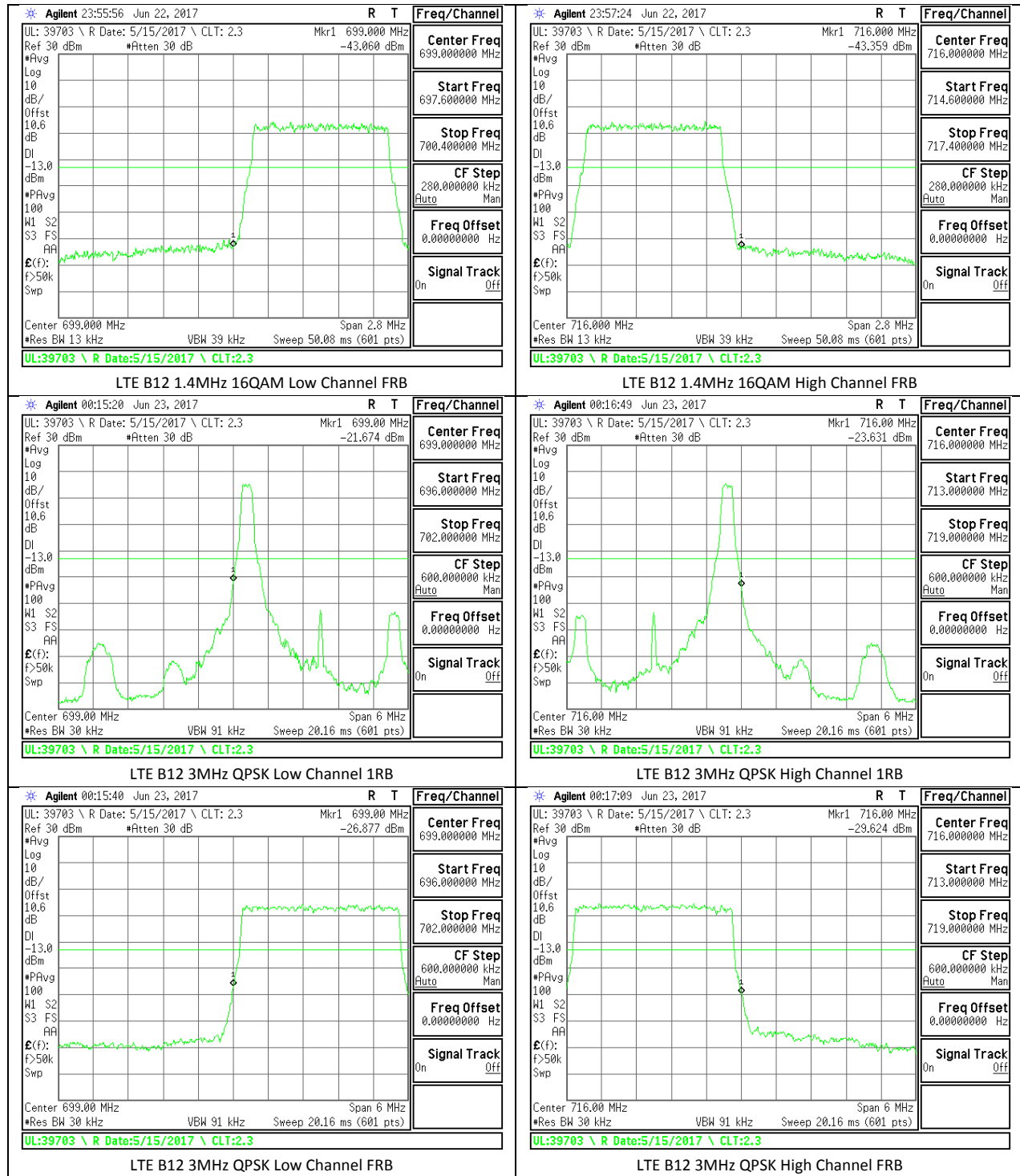
LTE B12 1.4MHz QPSK High Channel FRB

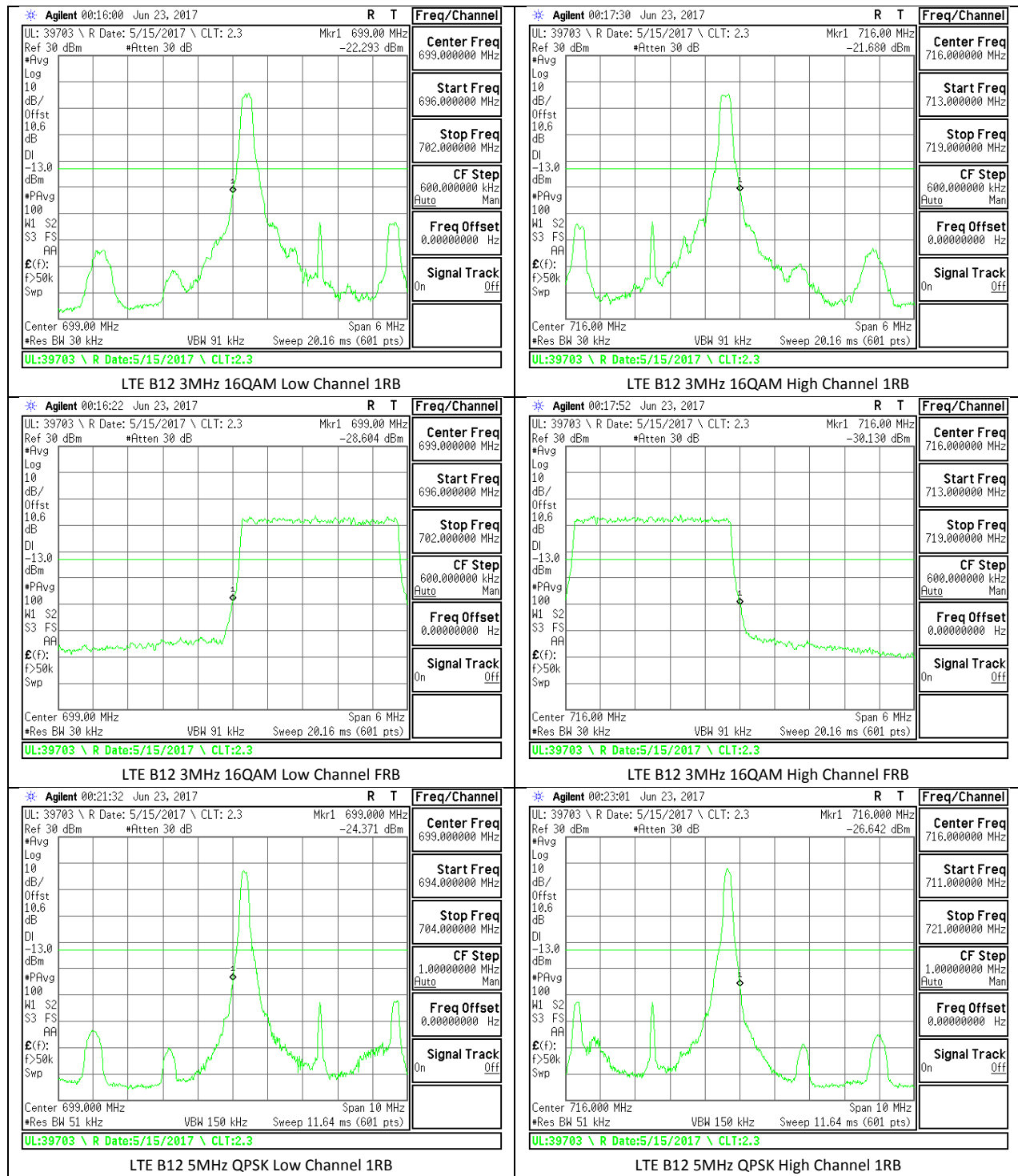


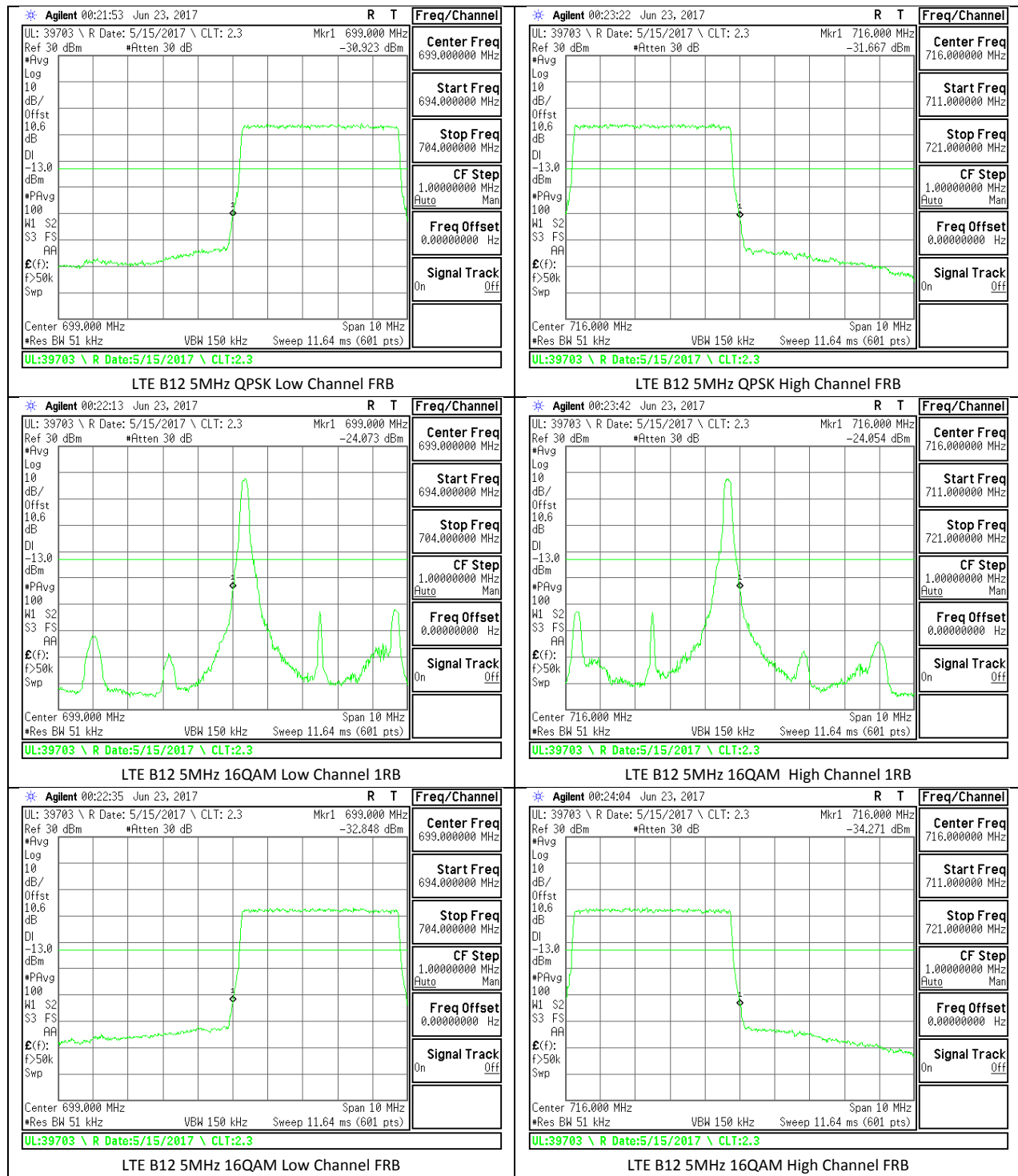
LTE B12 1.4MHz 16QAM Low Channel 1RB

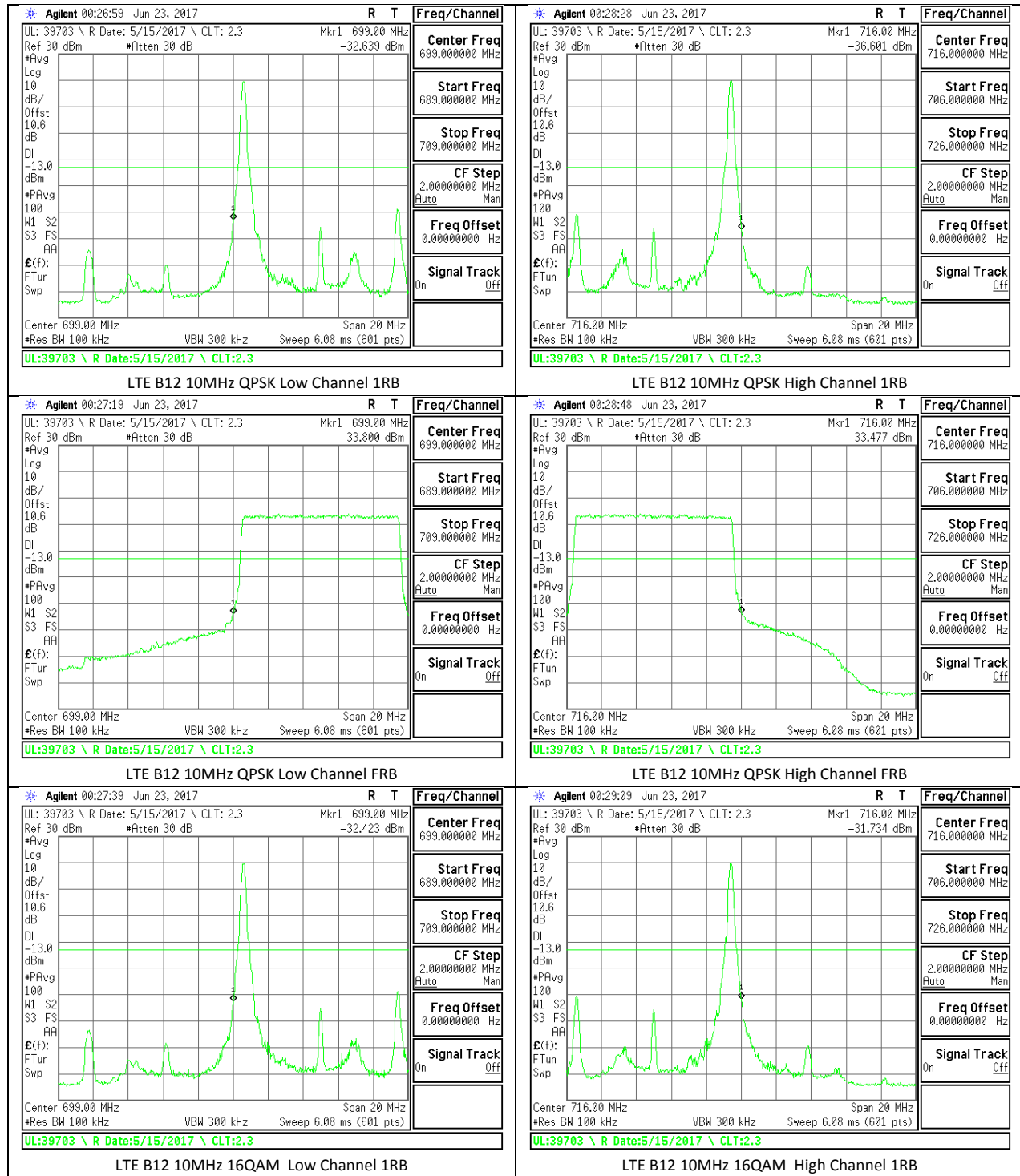


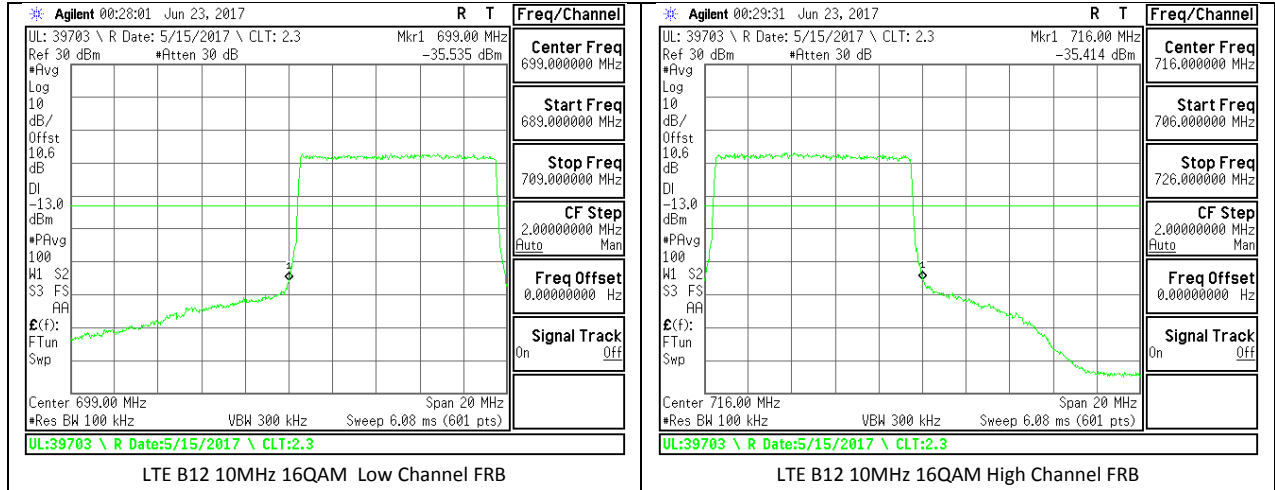
LTE B12 1.4MHz 16QAM High Channel 1RB



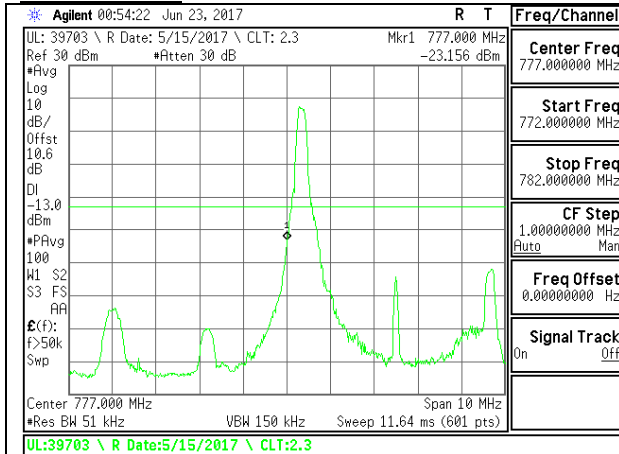




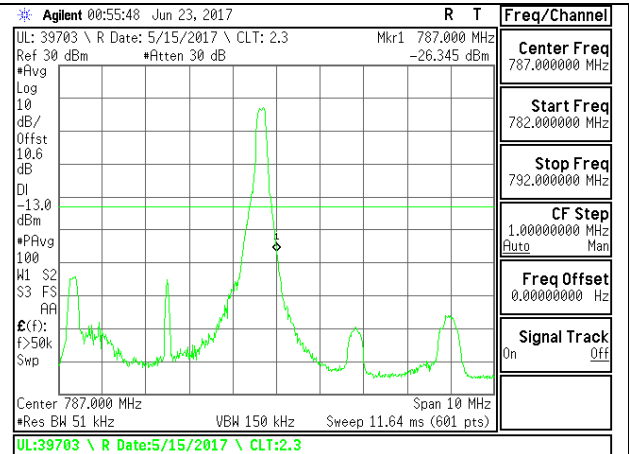




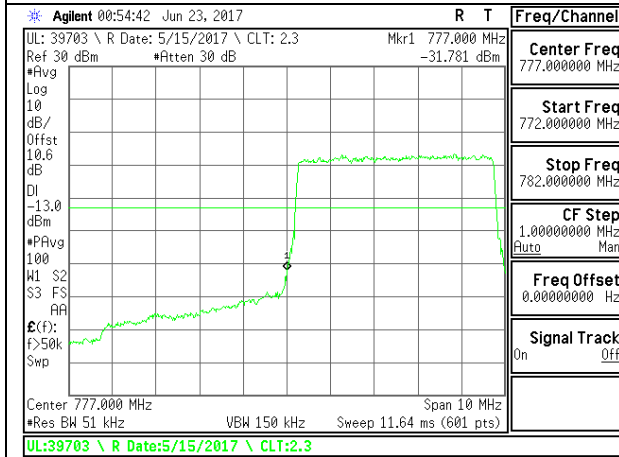
LTE Band 13



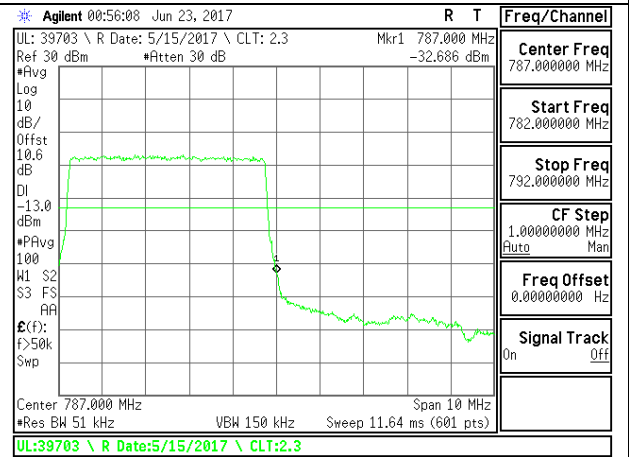
LTE B13 5MHz QPSK Low Channel 1RB



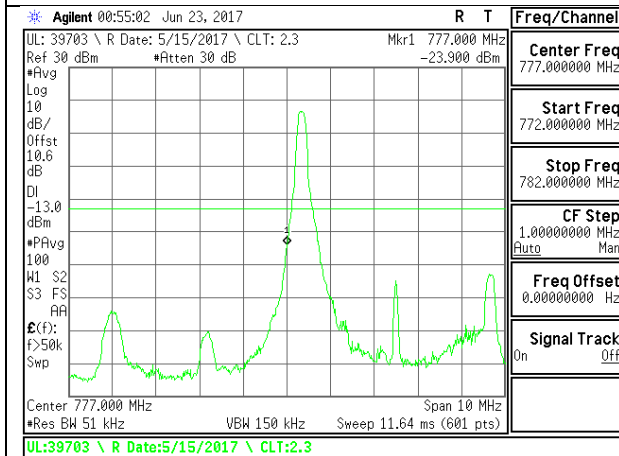
LTE B13 5MHz QPSK High Channel 1RB



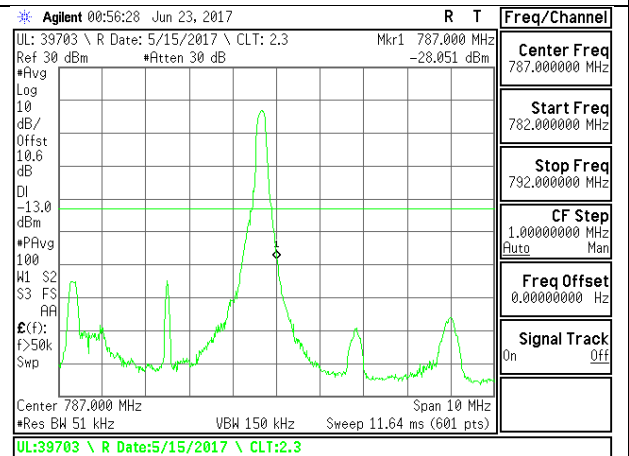
LTE B13 5MHz QPSK Low Channel FRB



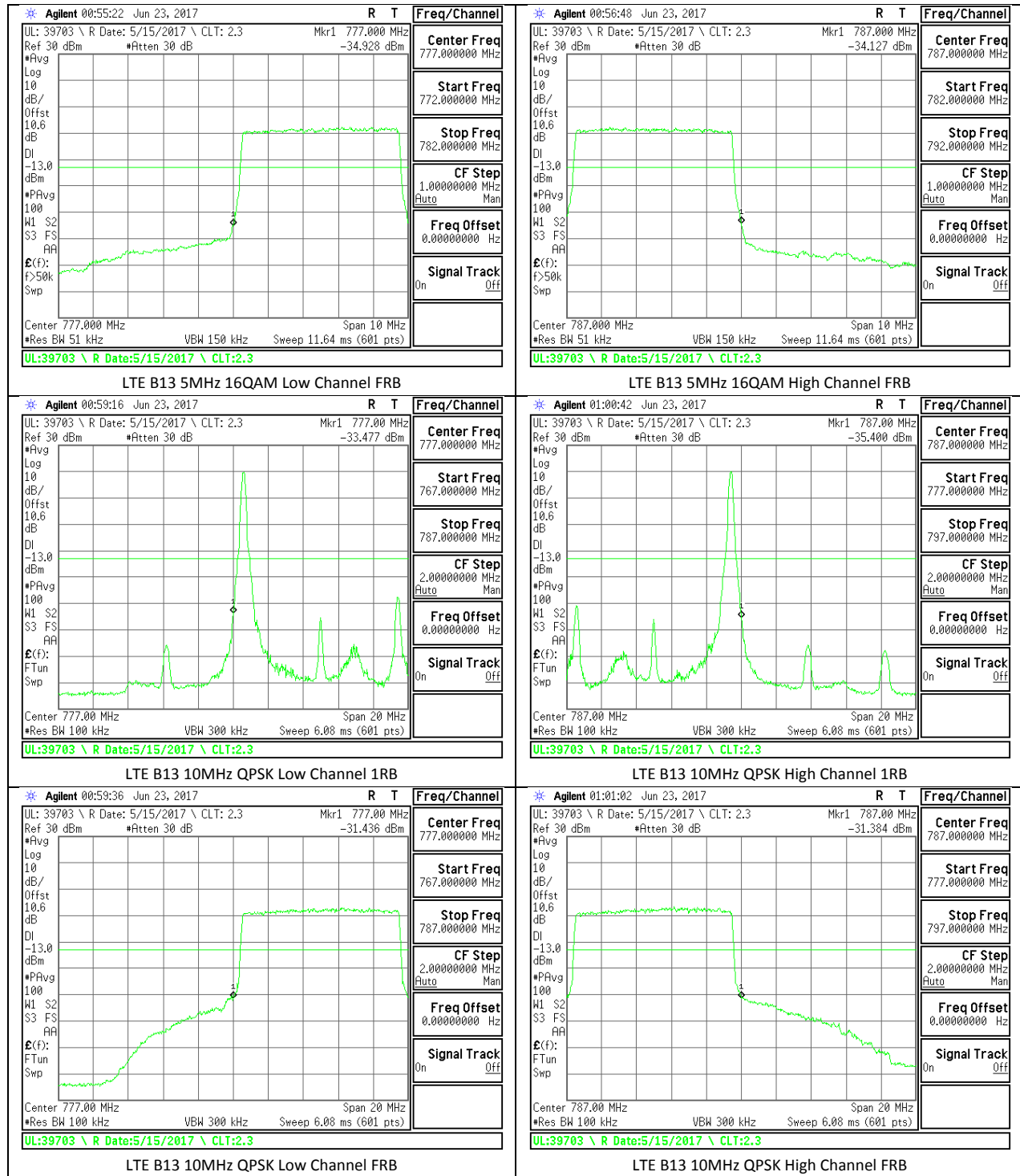
LTE B13 5MHz QPSK High Channel FRB

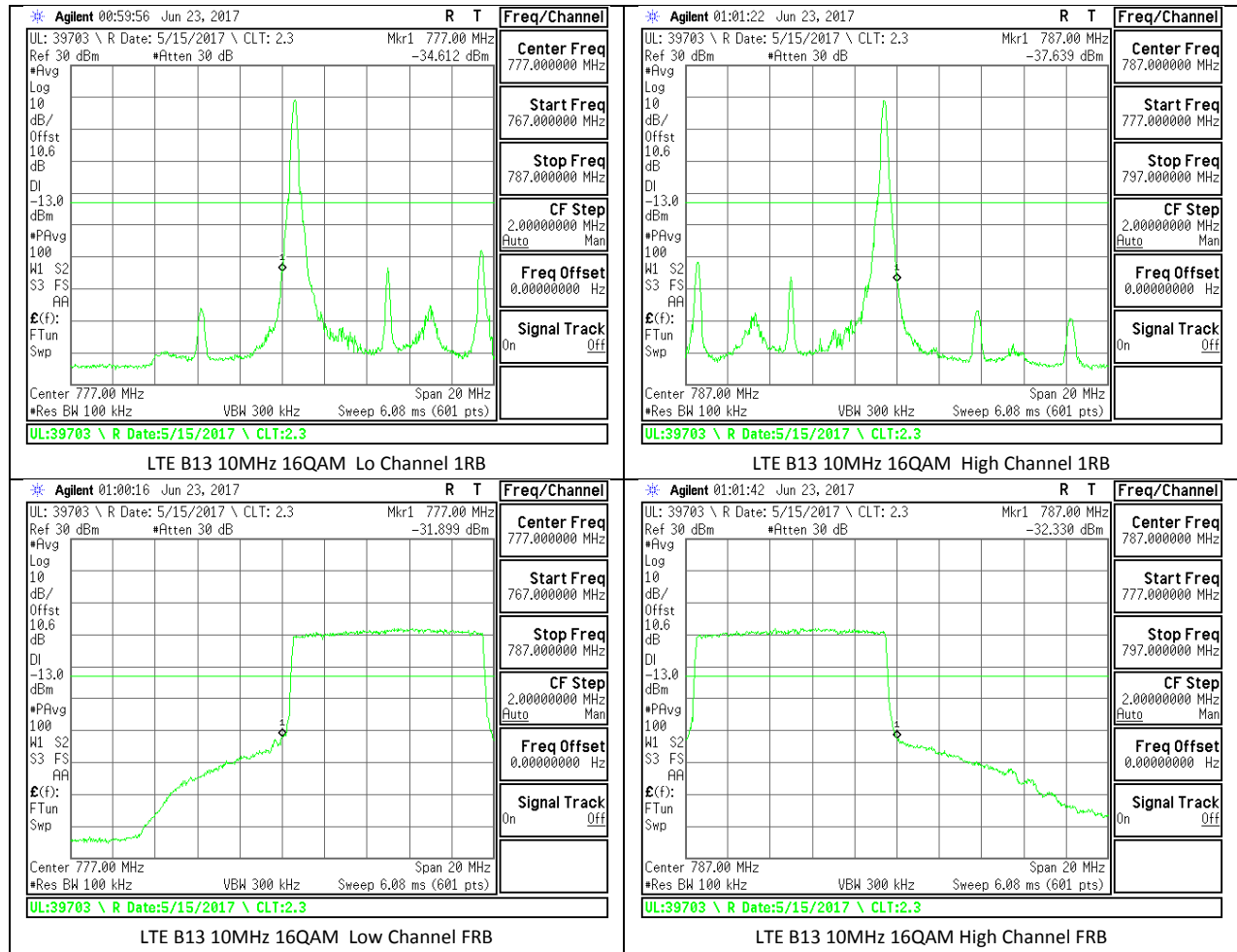


LTE B13 5MHz 16QAM Low Channel 1RB

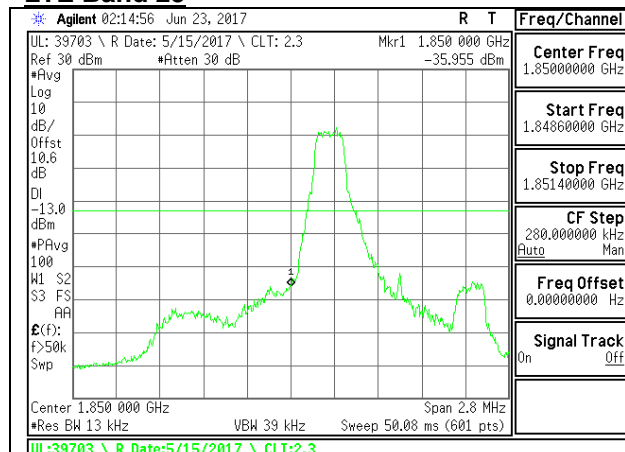


LTE B13 5MHz 16QAM High Channel 1RB

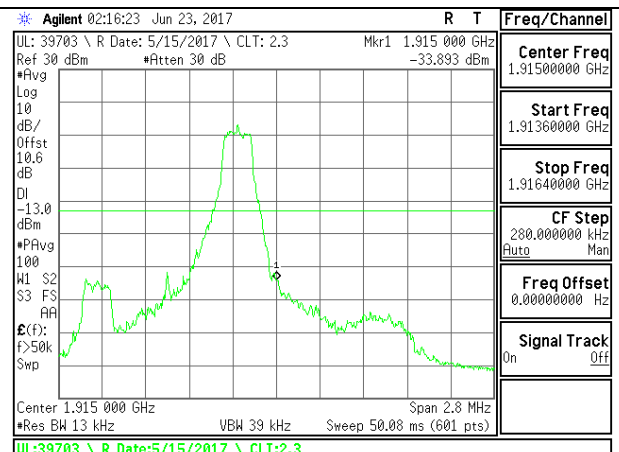




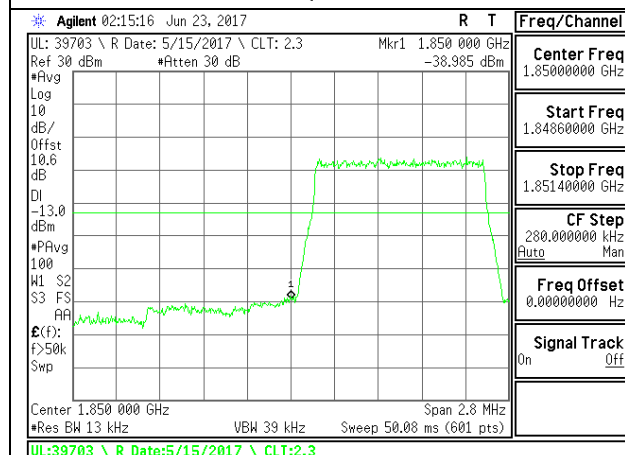
LTE Band 25



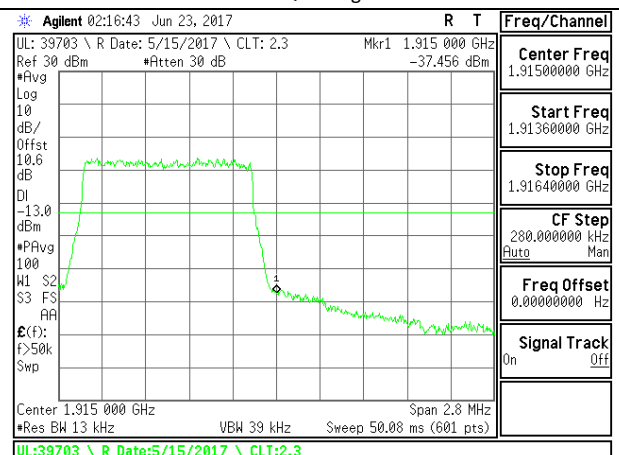
LTE B25 1.4MHz QPSK Low Channel 1RB



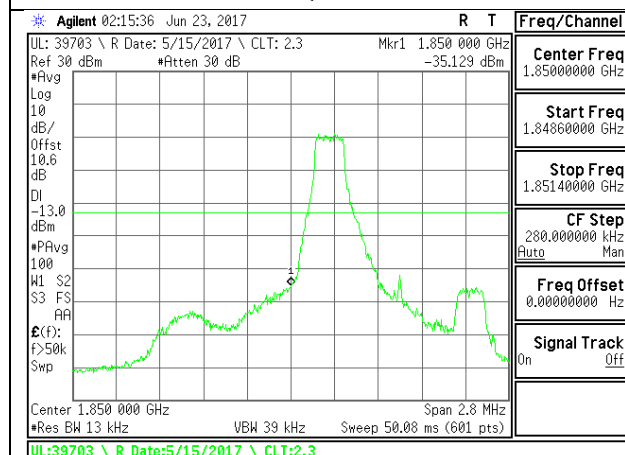
LTE B25 1.4MHz QPSK High Channel 1RB



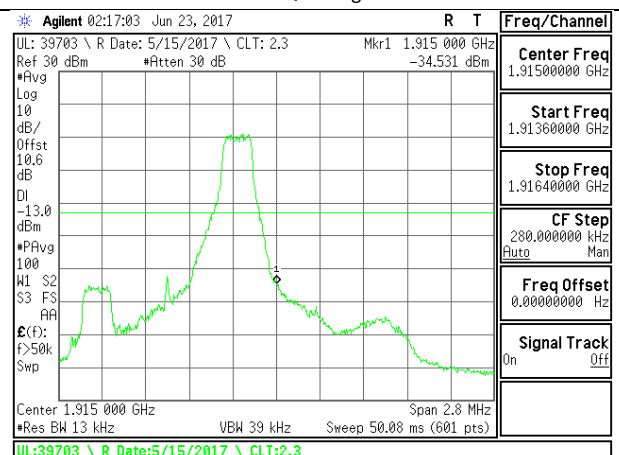
LTE B25 1.4MHz QPSK Low Channel FRB



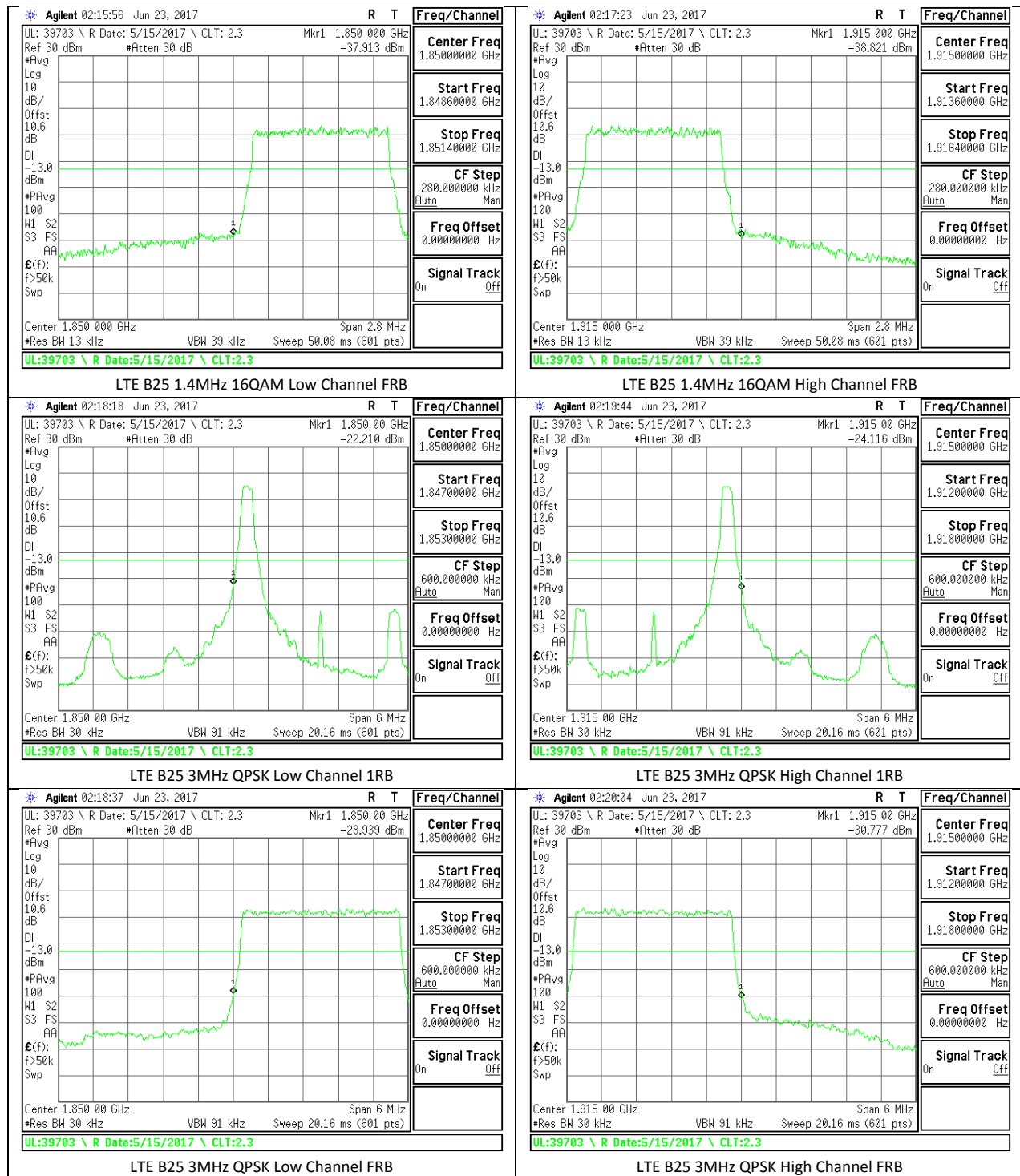
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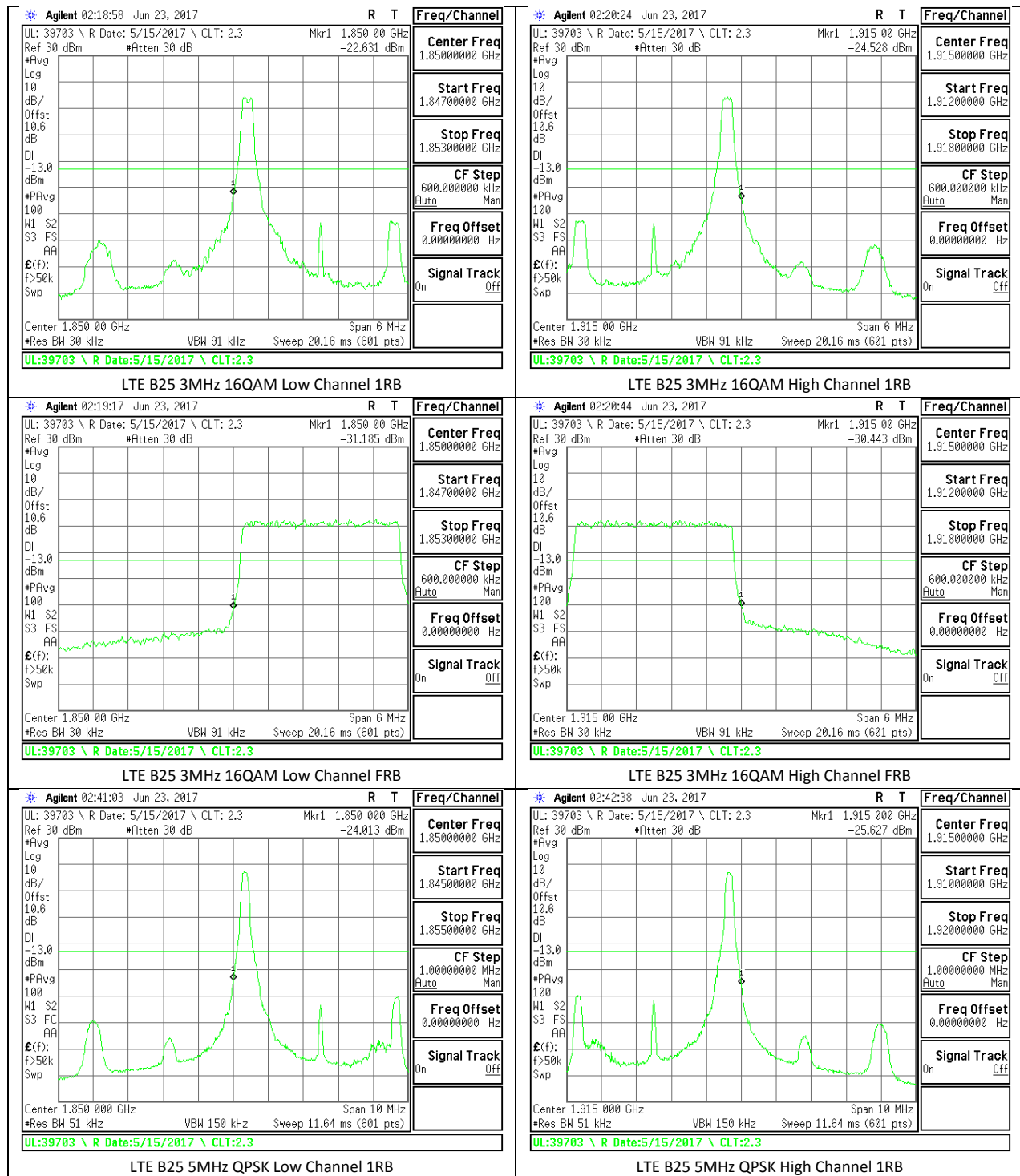


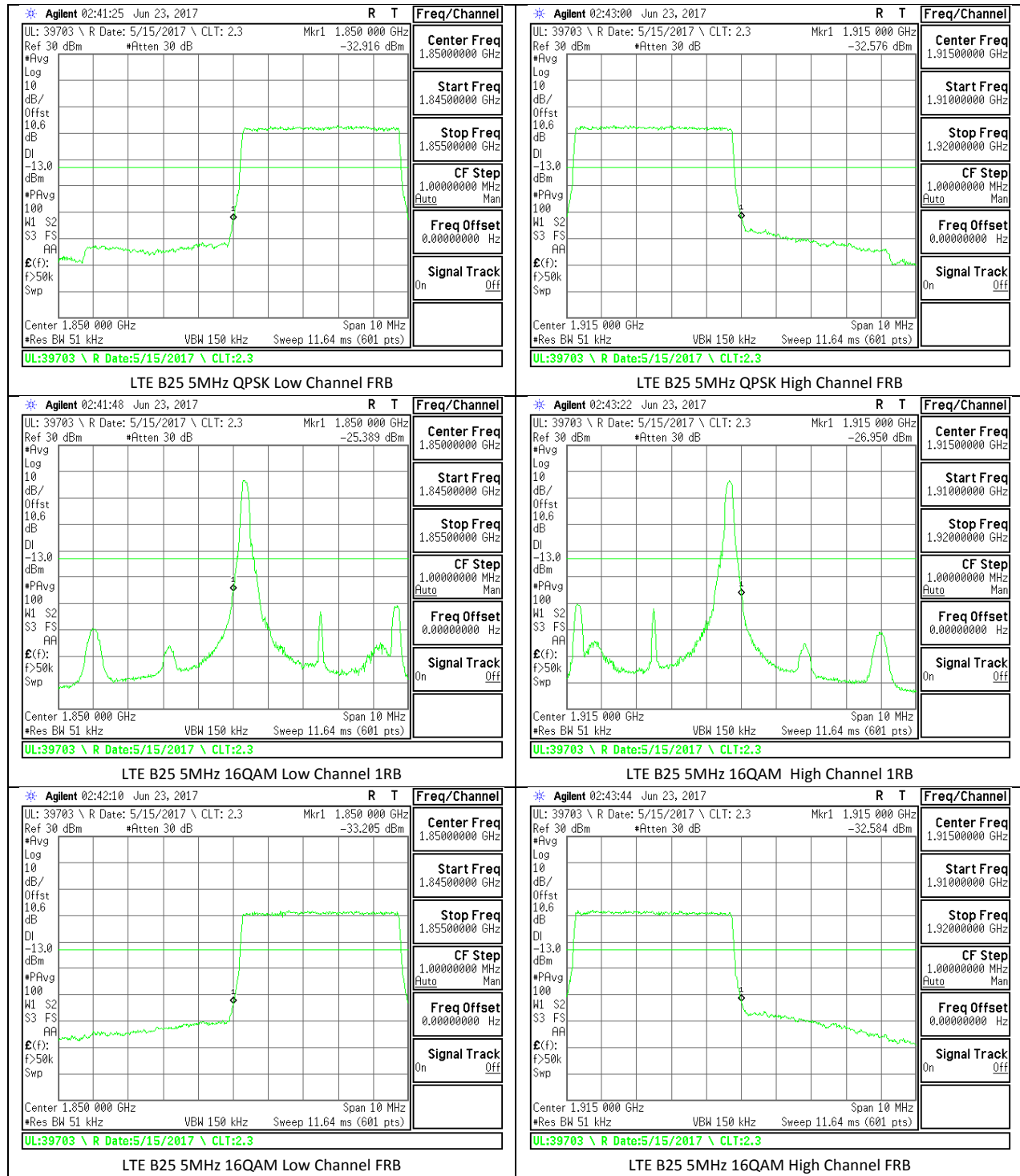
LTE B25 1.4MHz 16QAM Low Channel 1RB

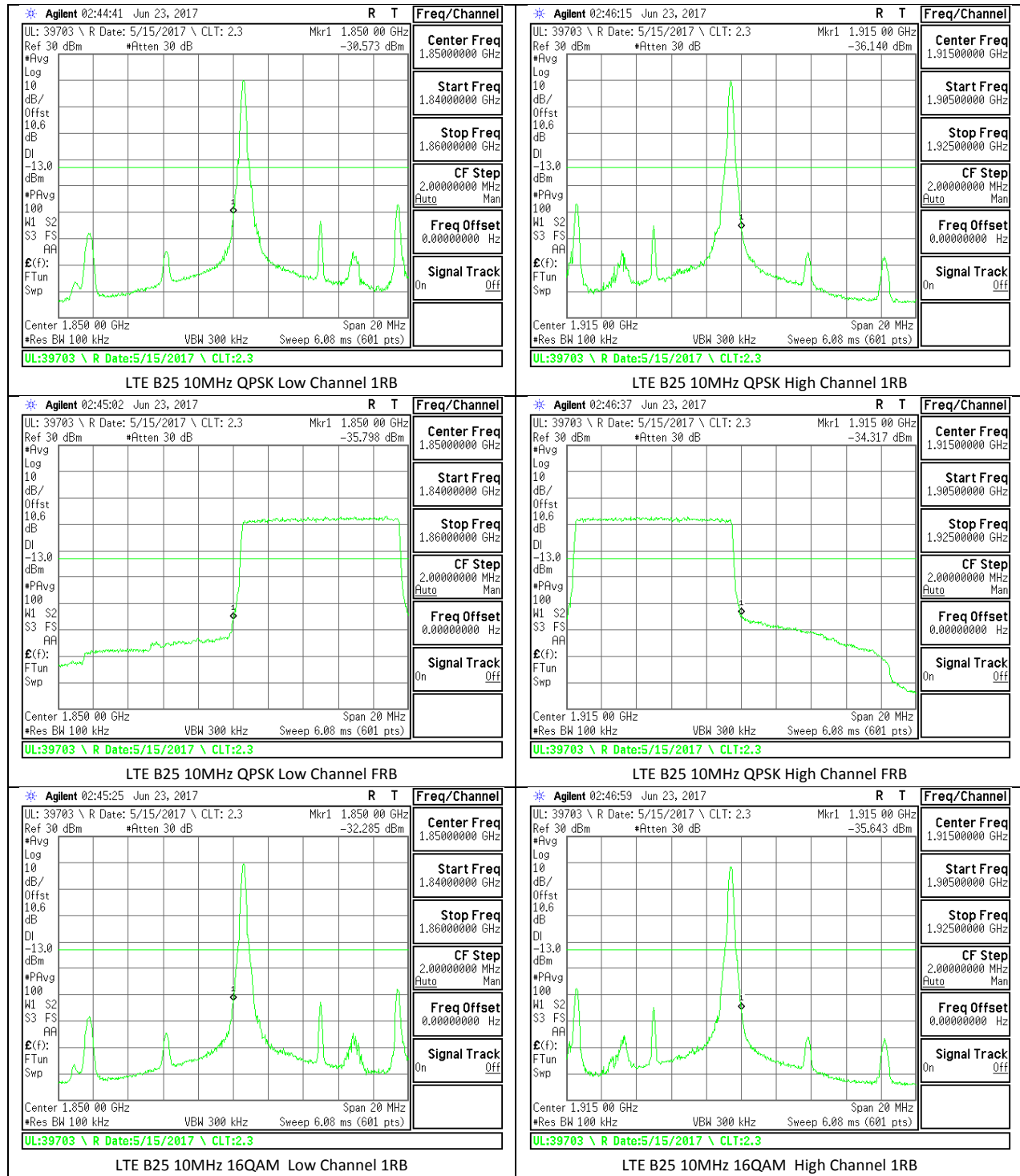


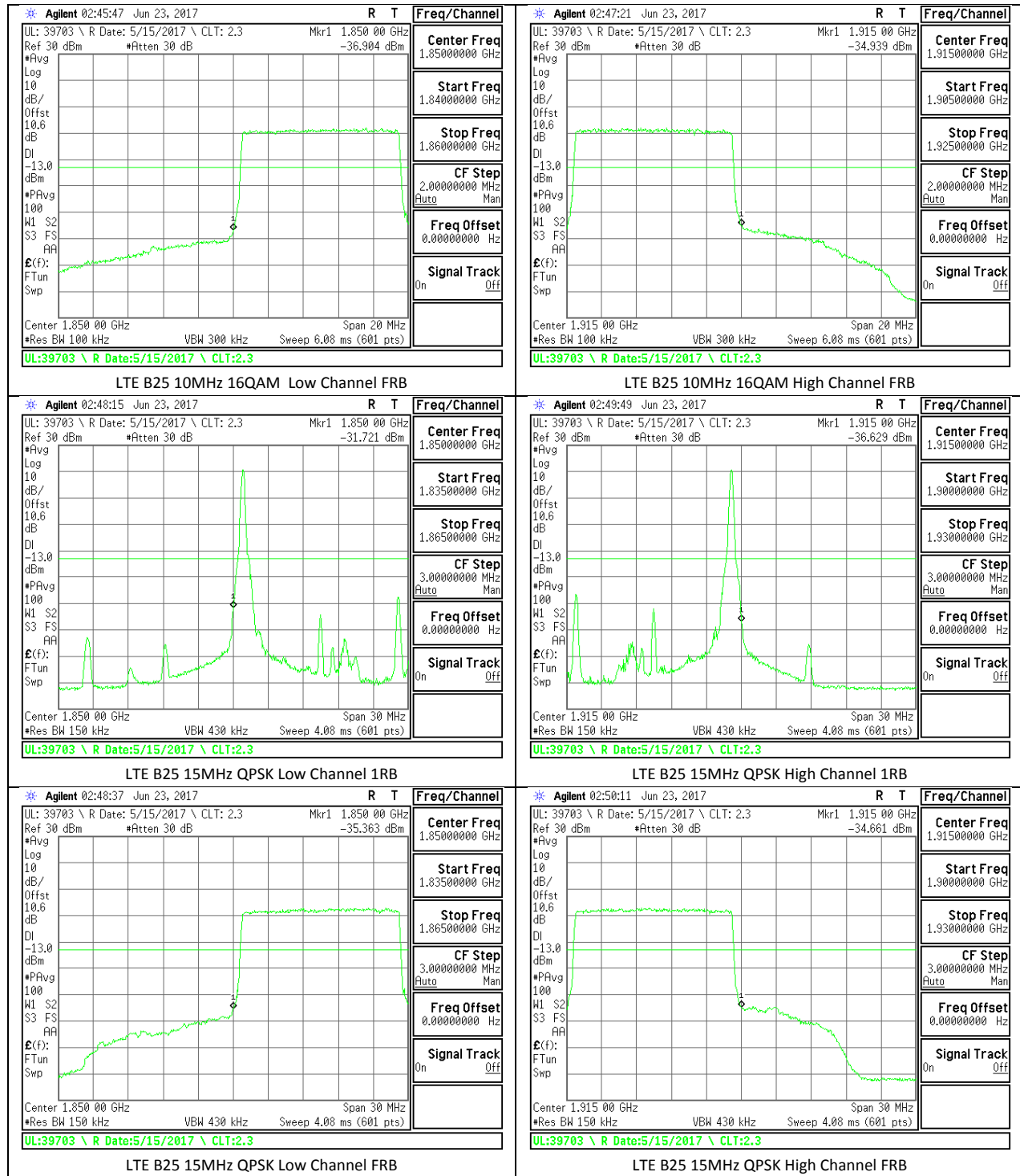
LTE B25 1.4MHz 16QAM High Channel 1RB

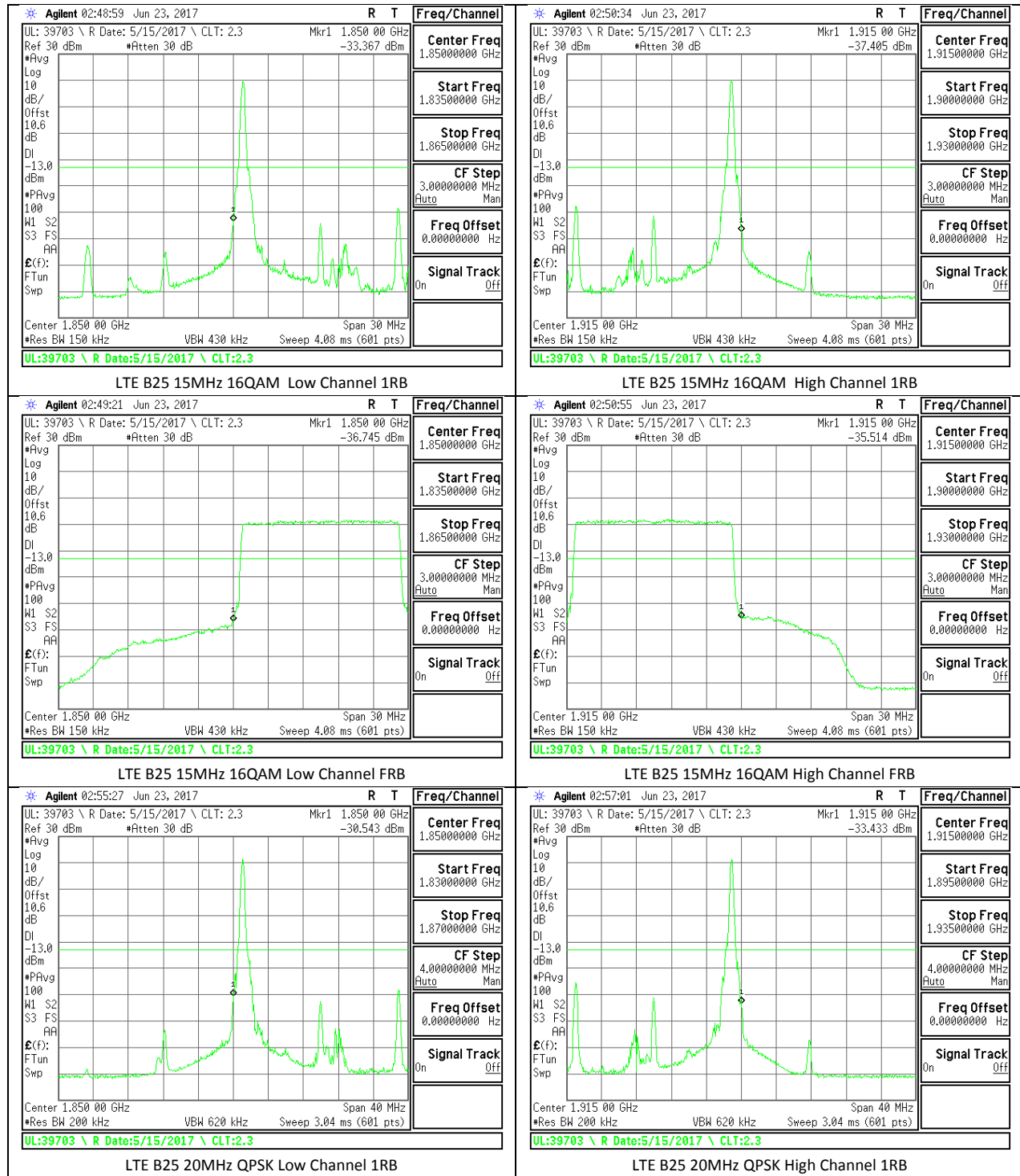


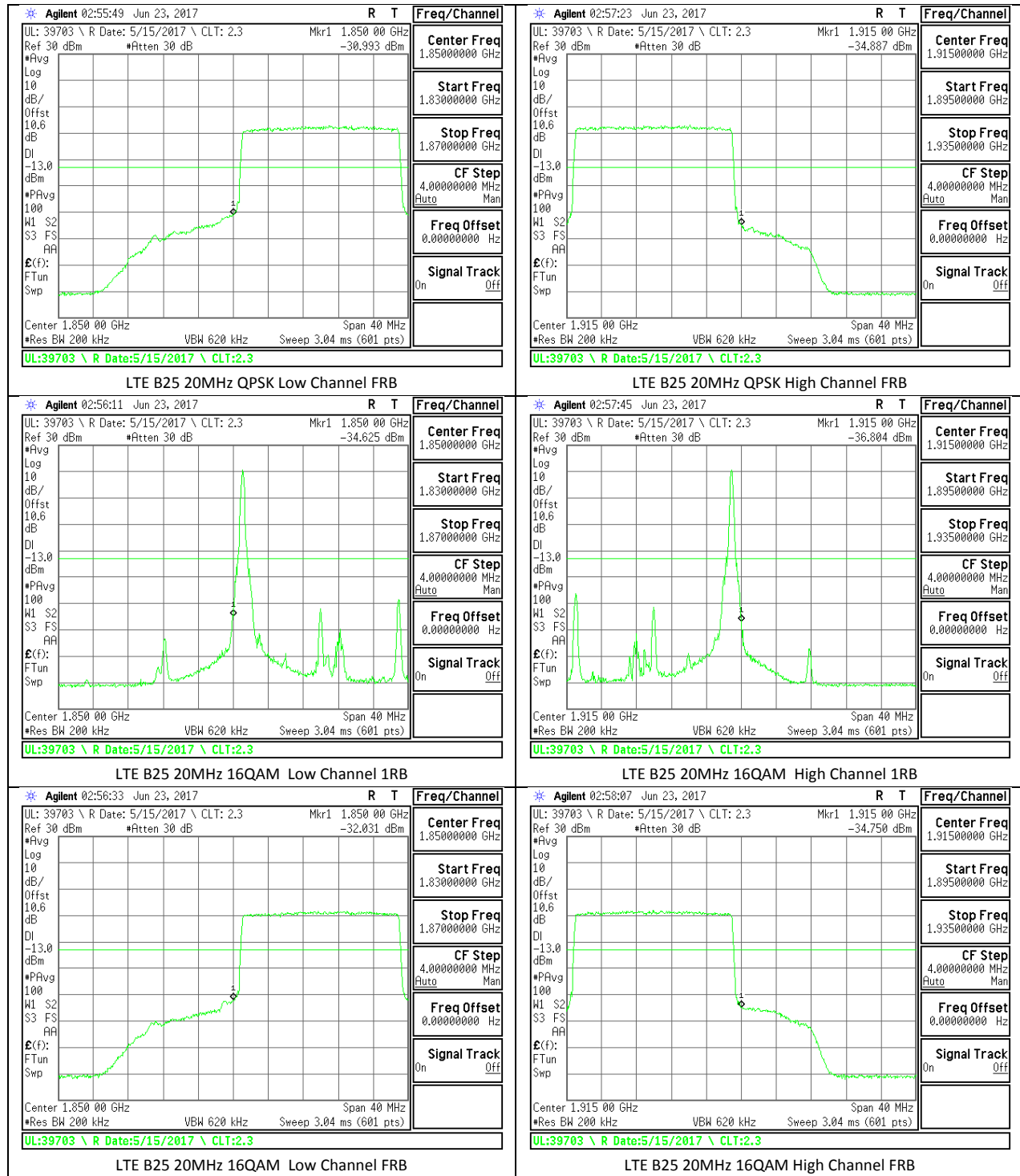




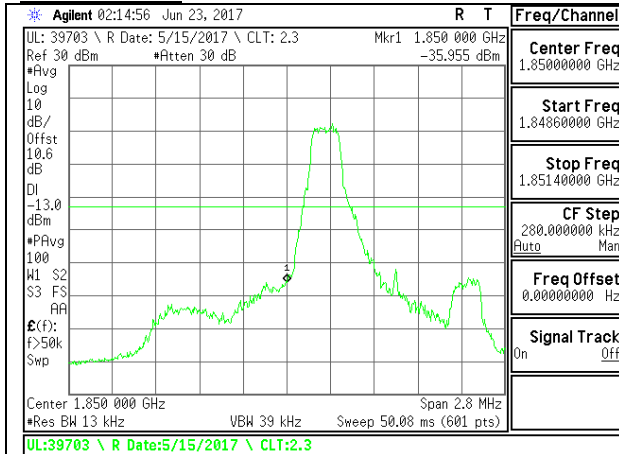




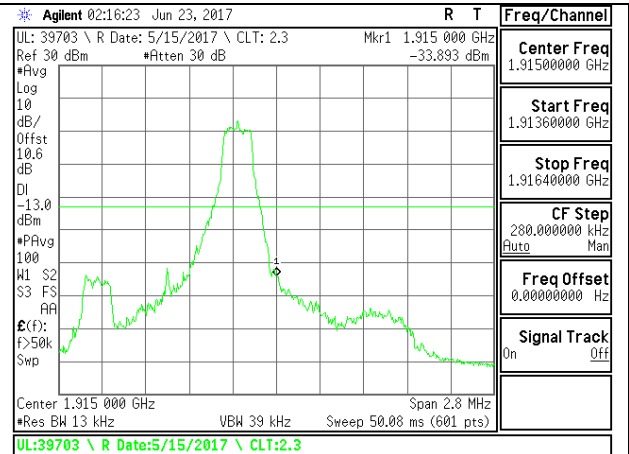




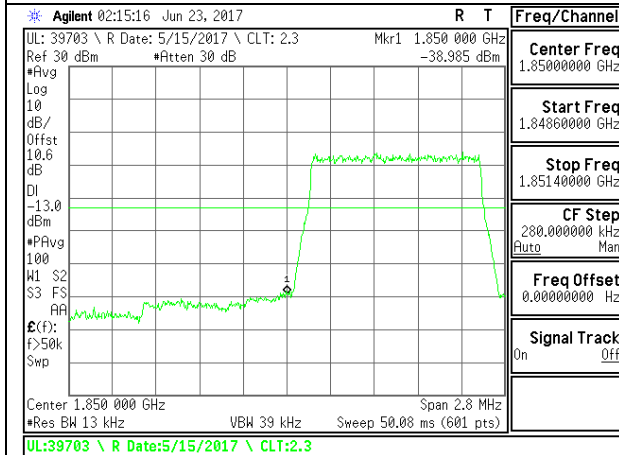
LTE Band 66



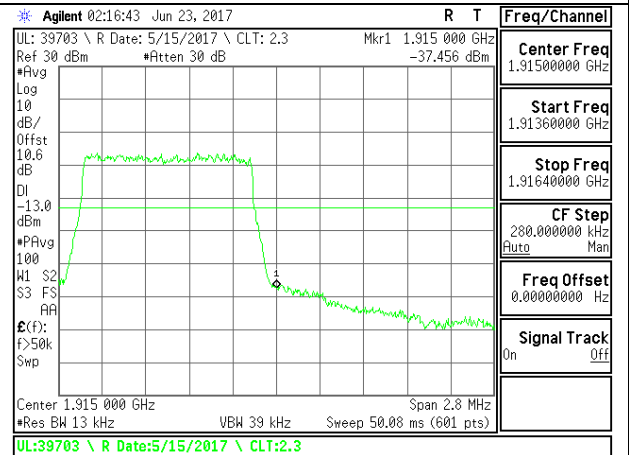
LTE B66 1.4MHz QPSK Low Channel 1RB



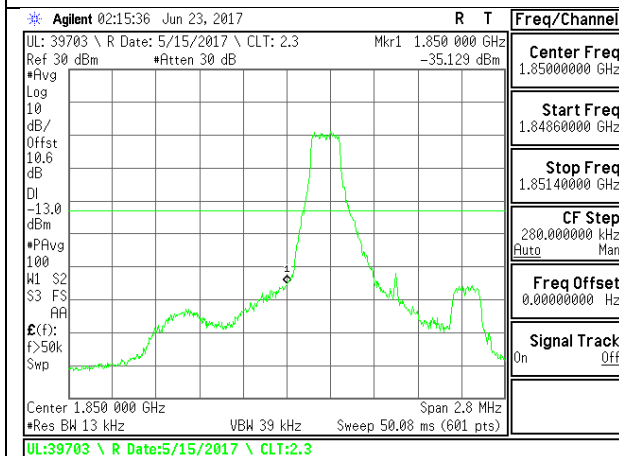
LTE B66 1.4MHz QPSK High Channel 1RB



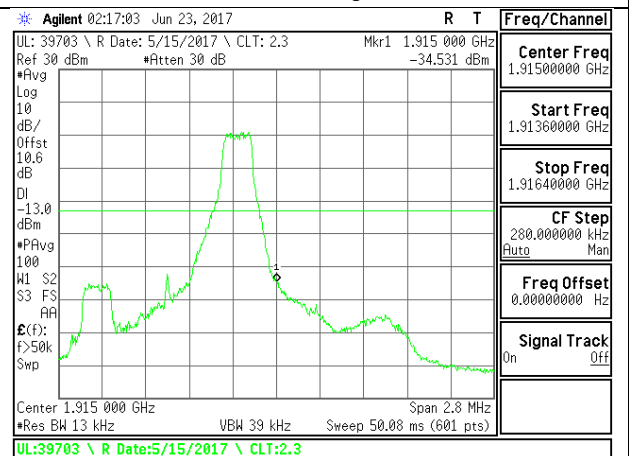
LTE B66 1.4MHz QPSK Low Channel FRB



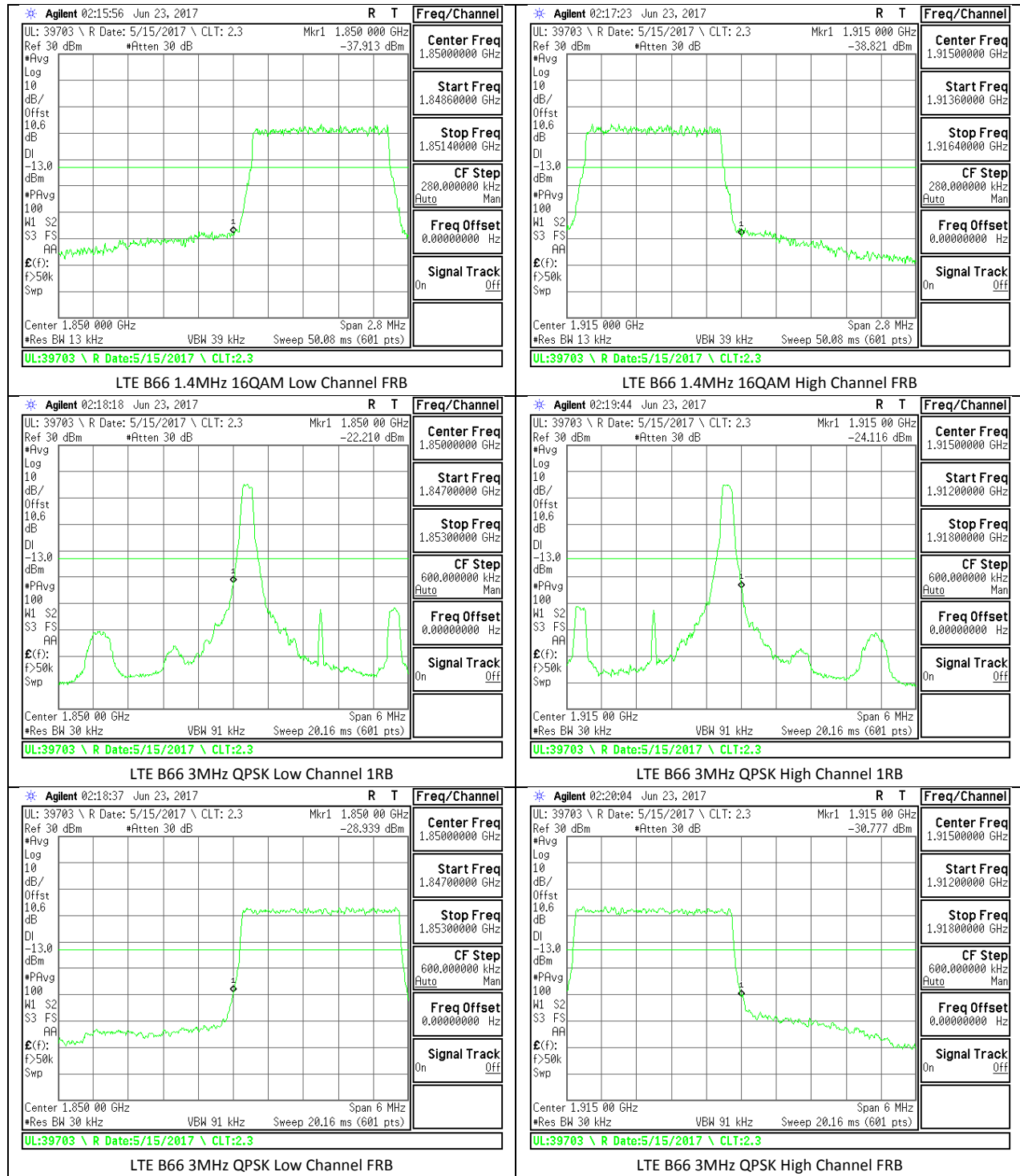
LTE B66 1.4MHz QPSK High Channel FRB

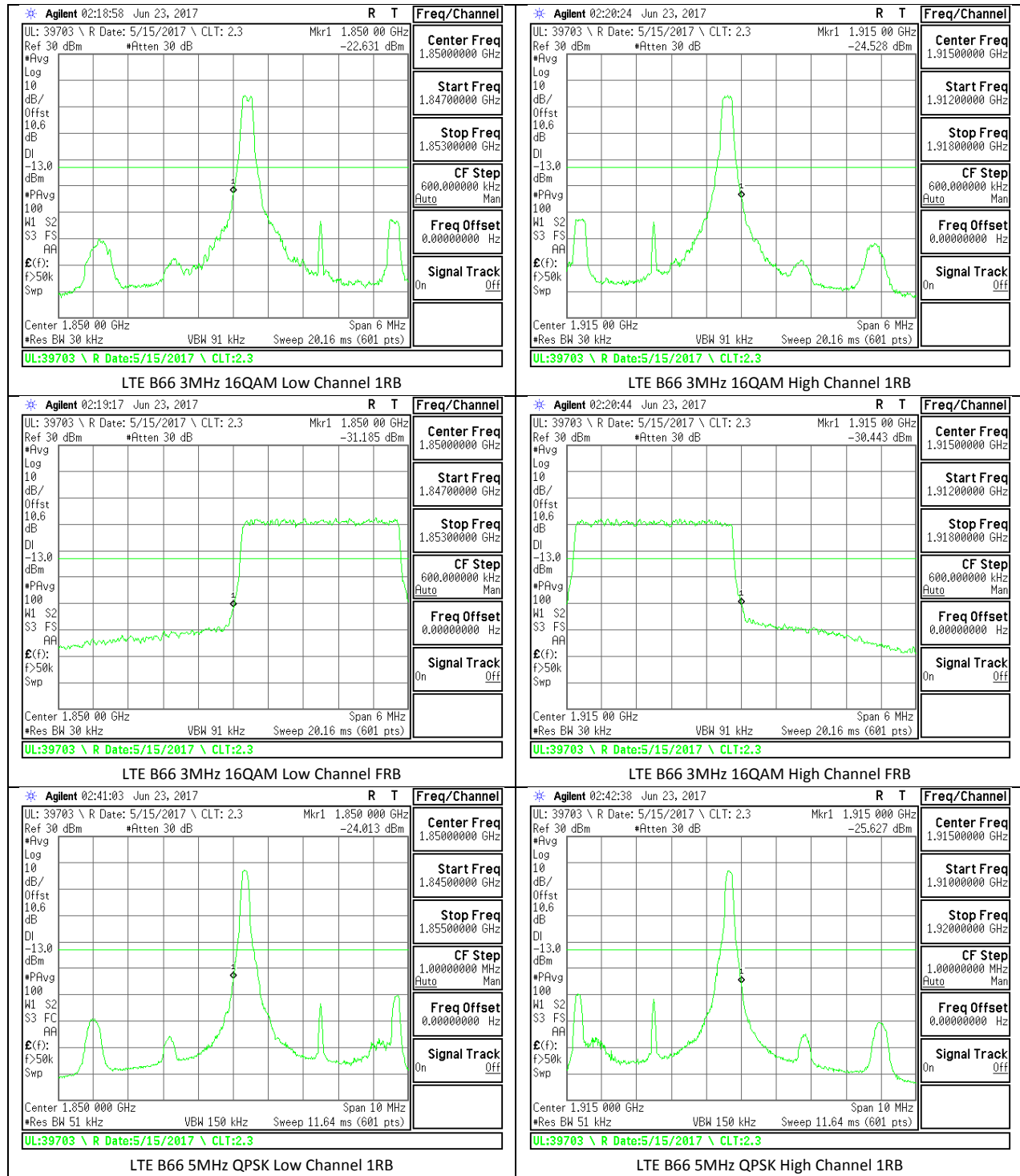


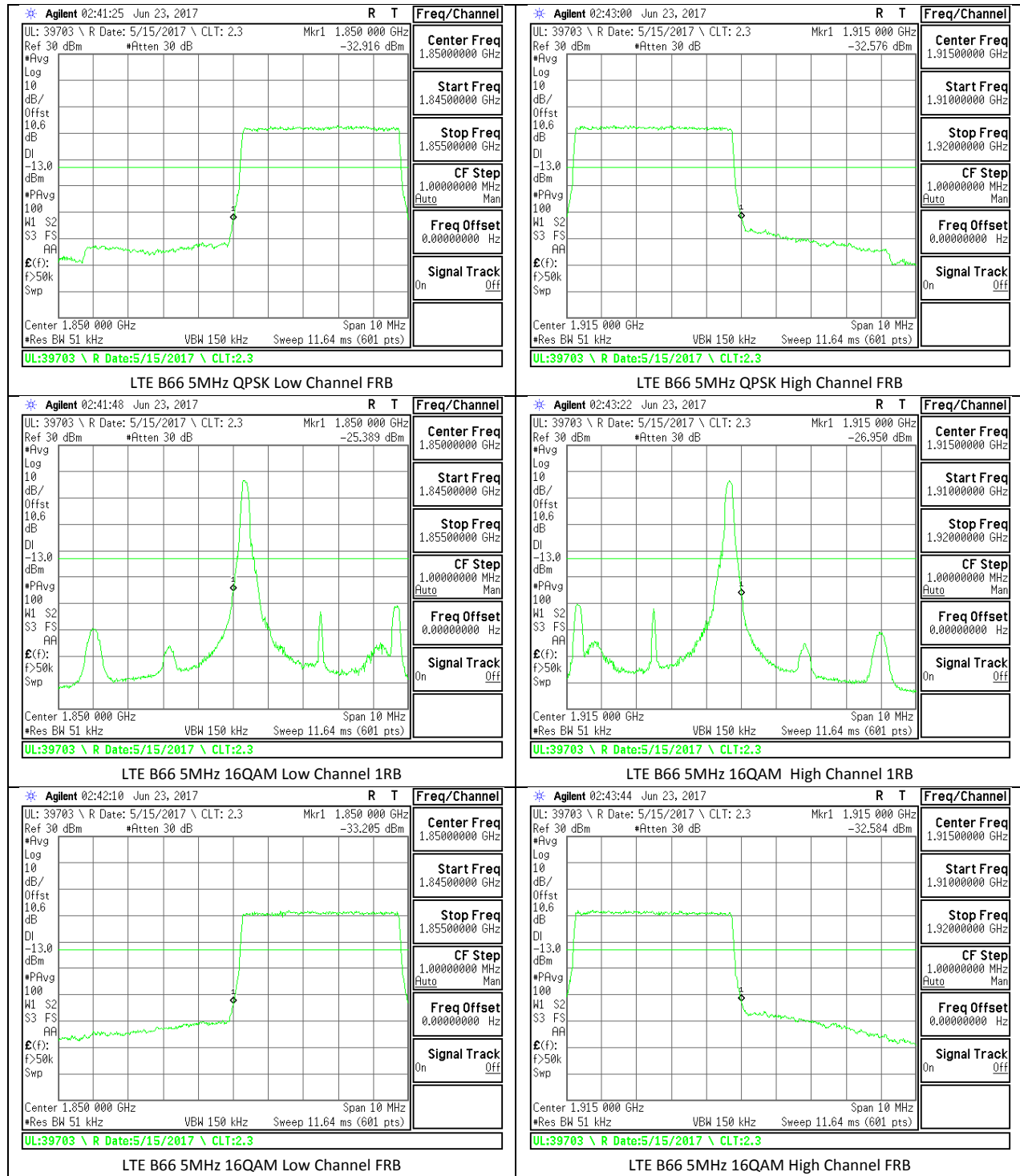
LTE B66 1.4MHz 16QAM Low Channel 1RB

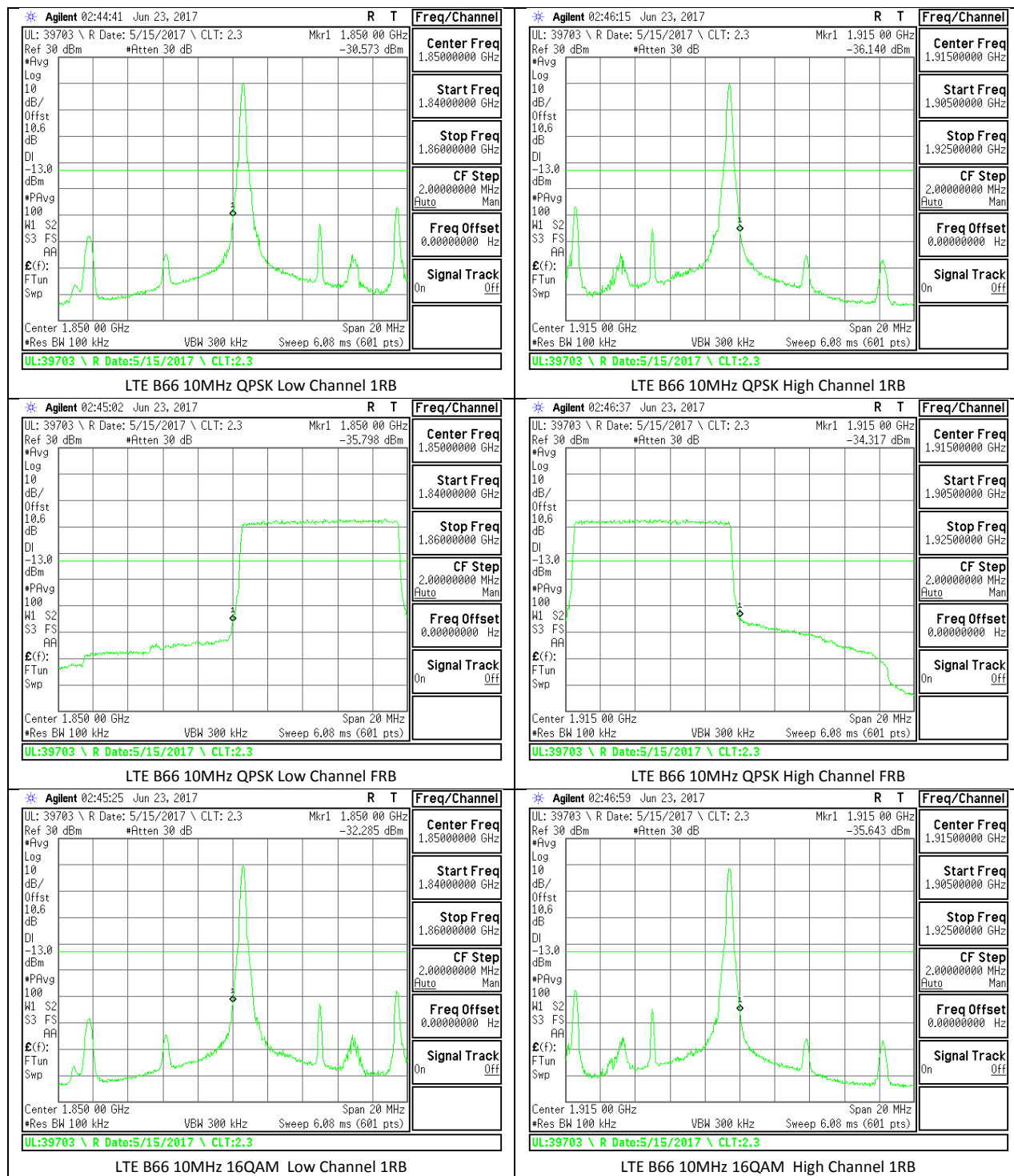


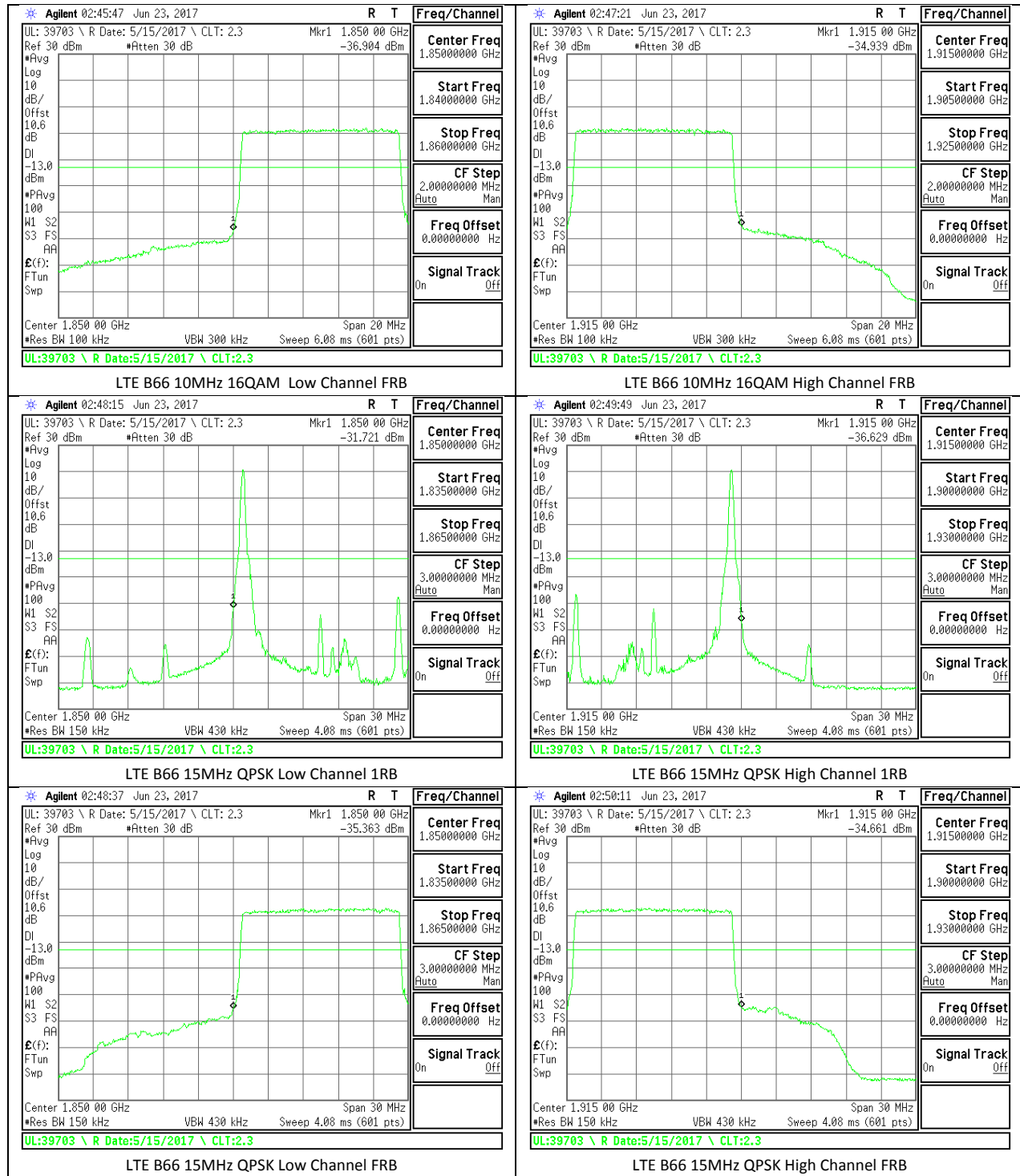
LTE B66 1.4MHz 16QAM High Channel 1RB

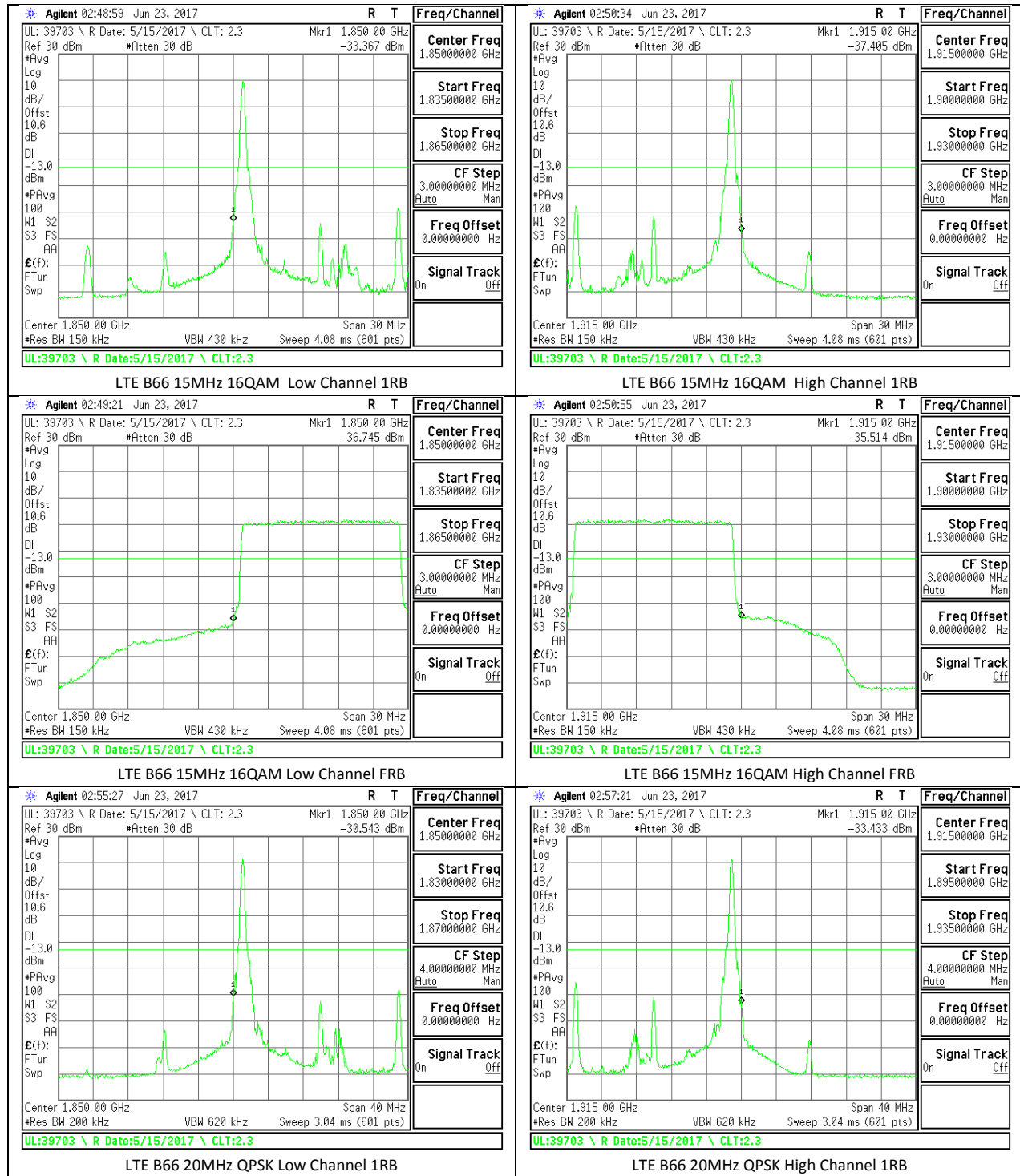


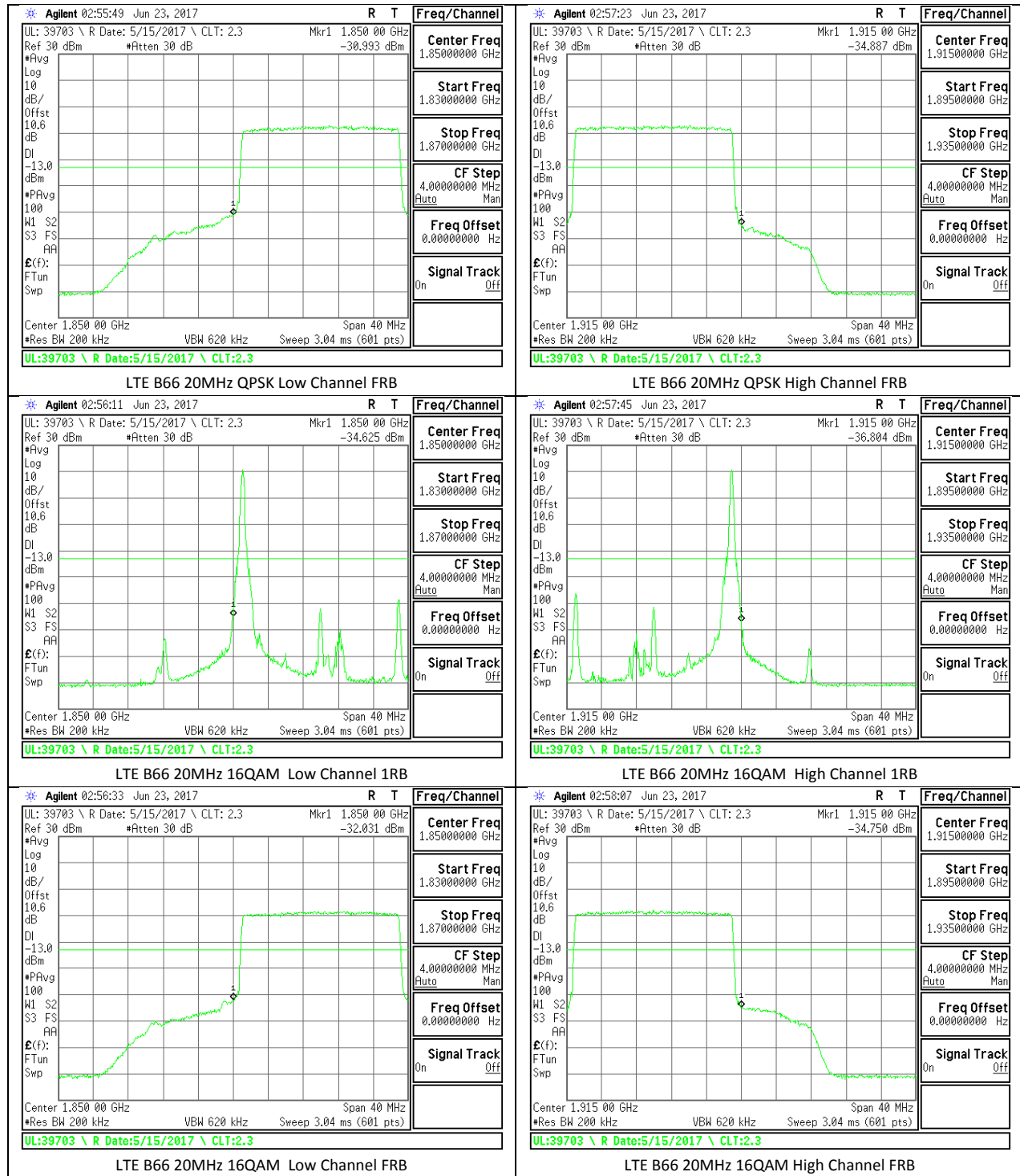






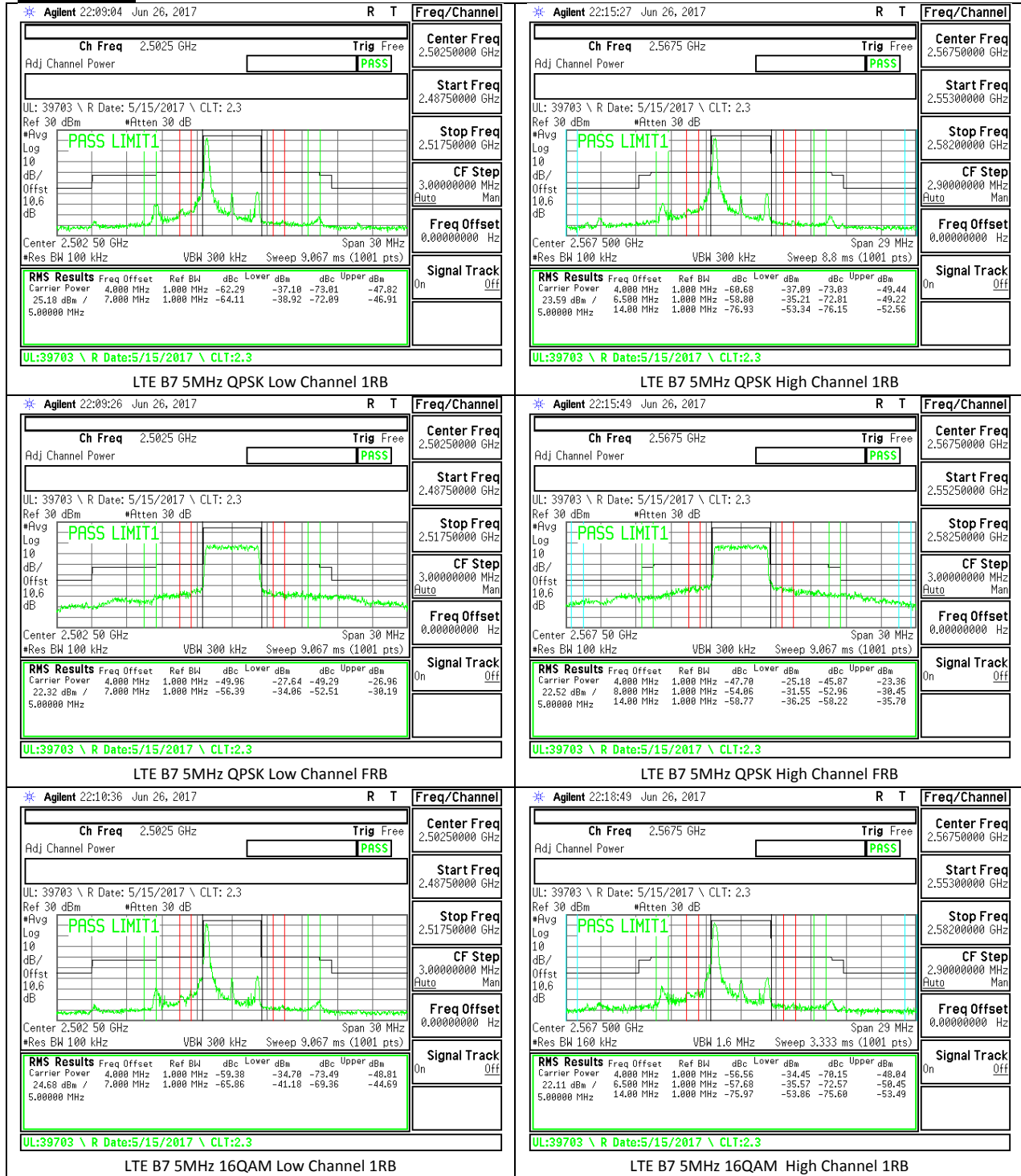


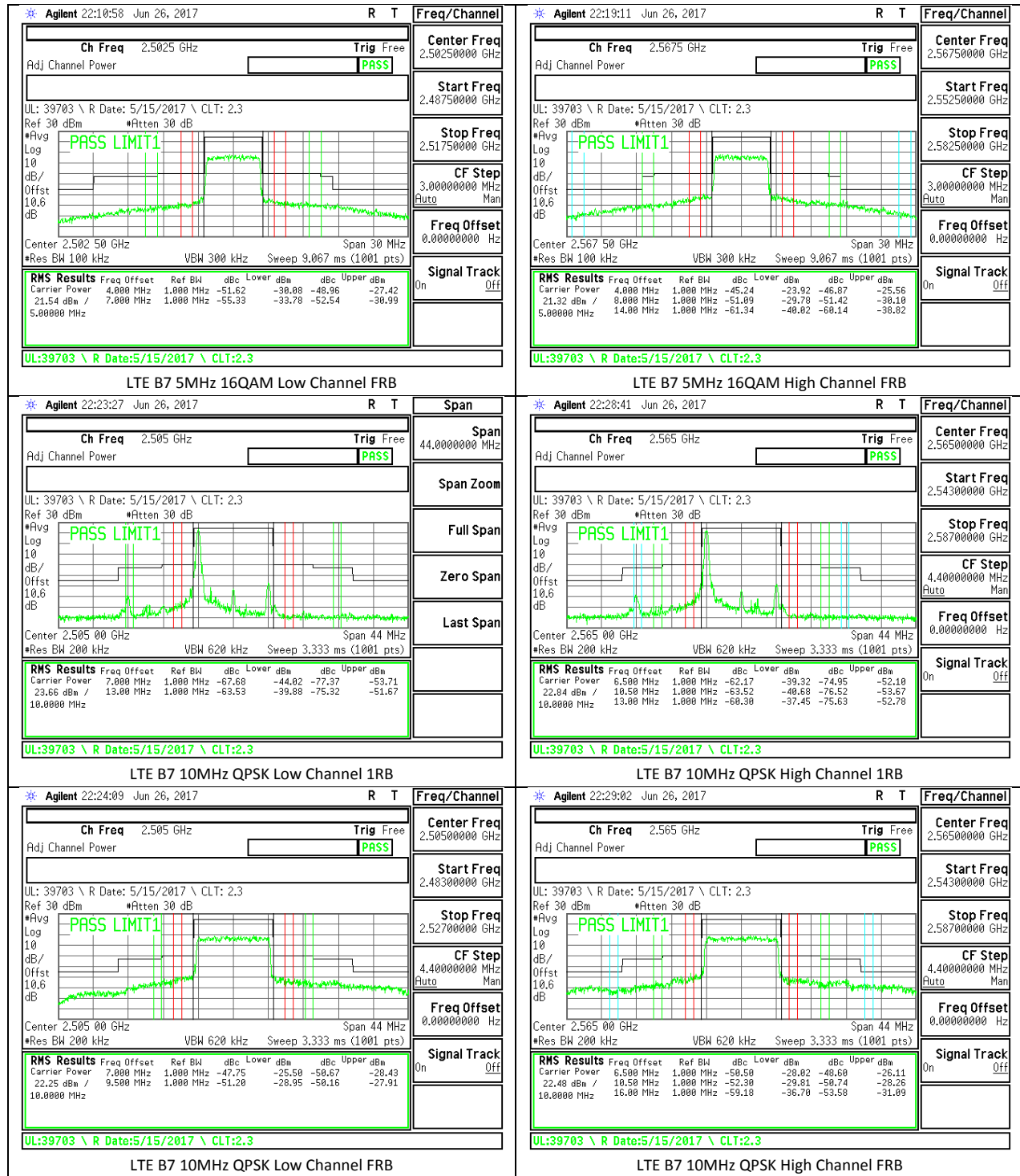


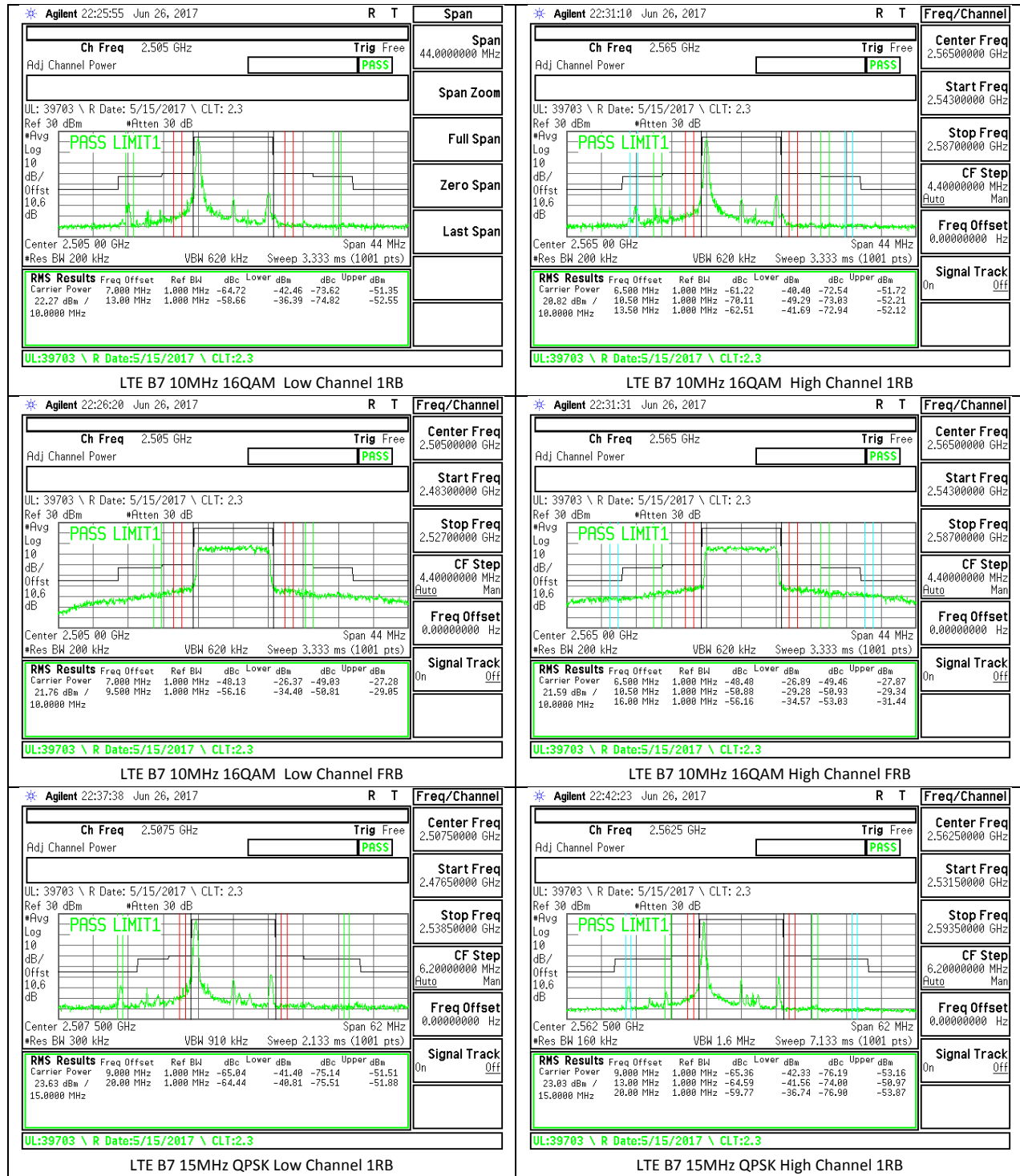


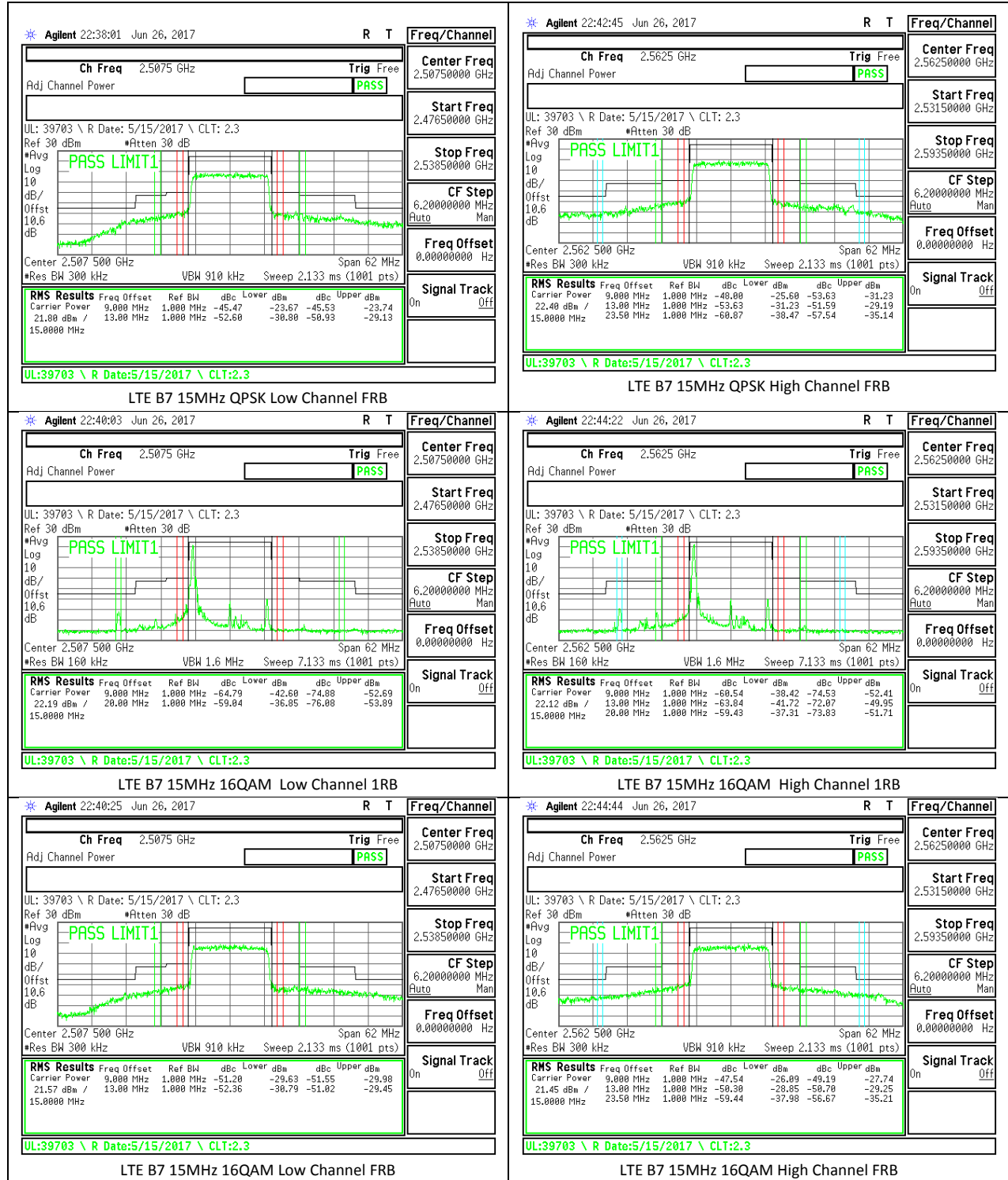
14.2. EMISSION MASK PLOTS

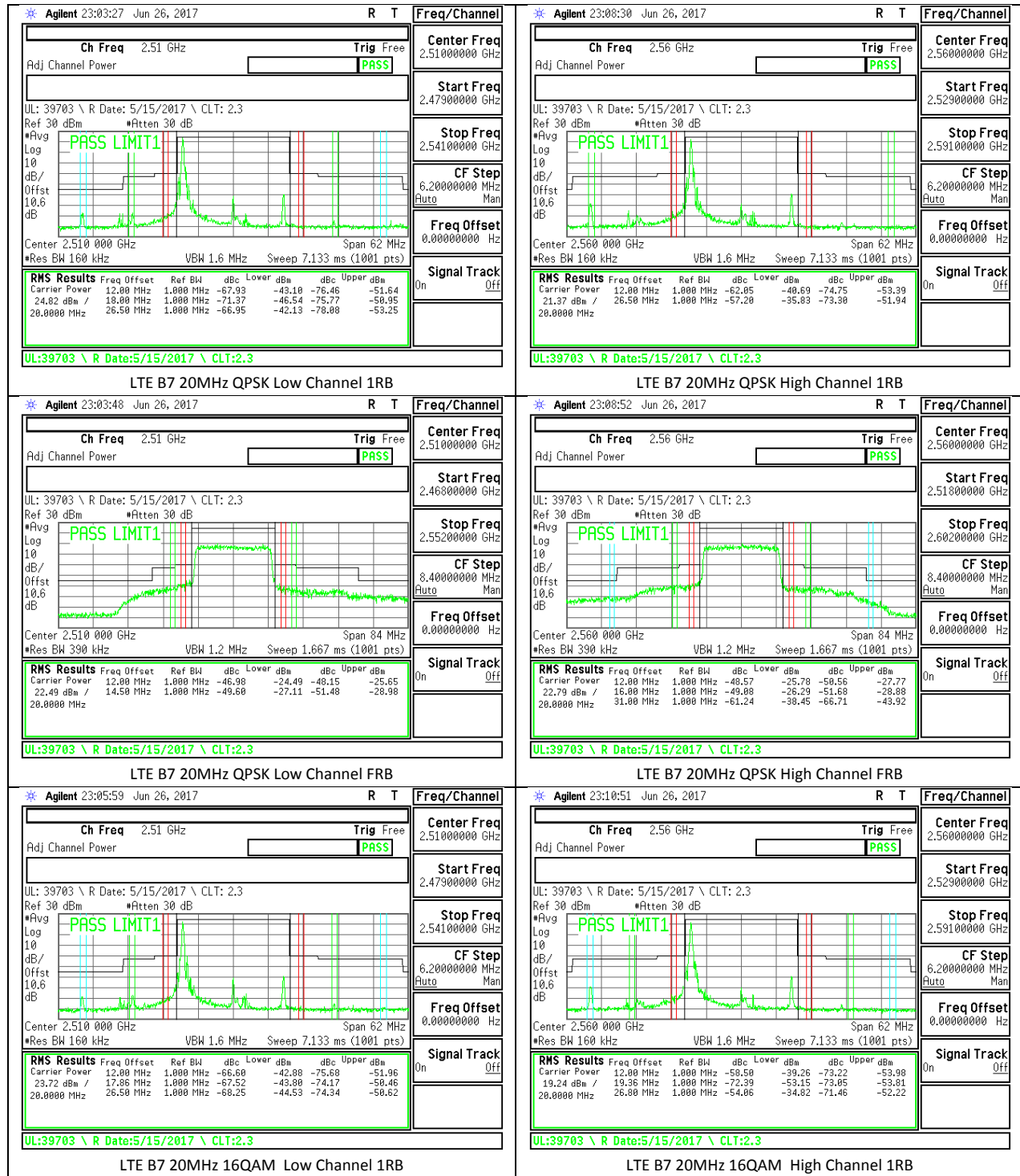
LTE Band 7

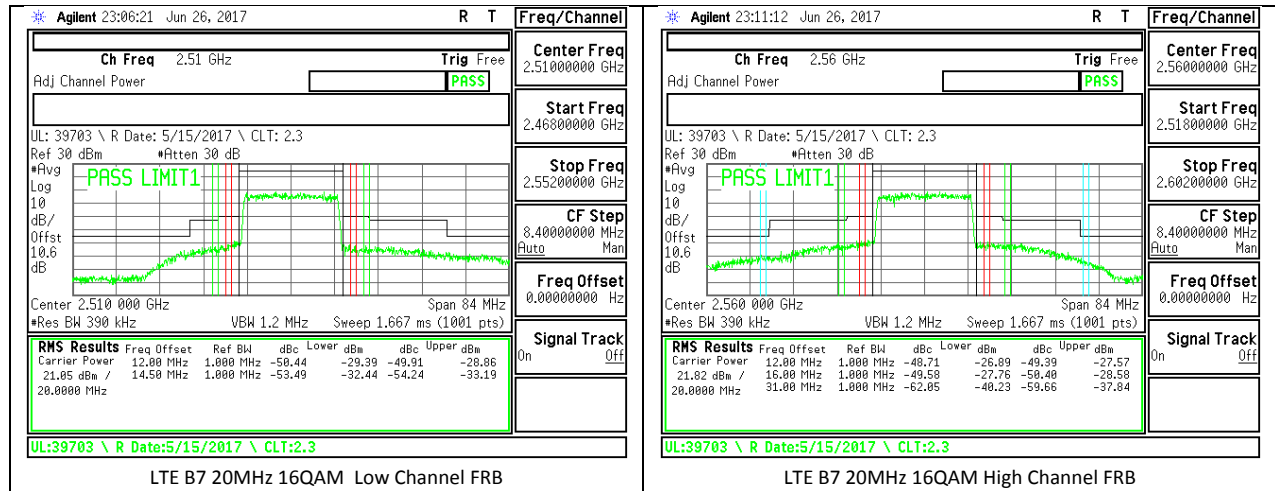




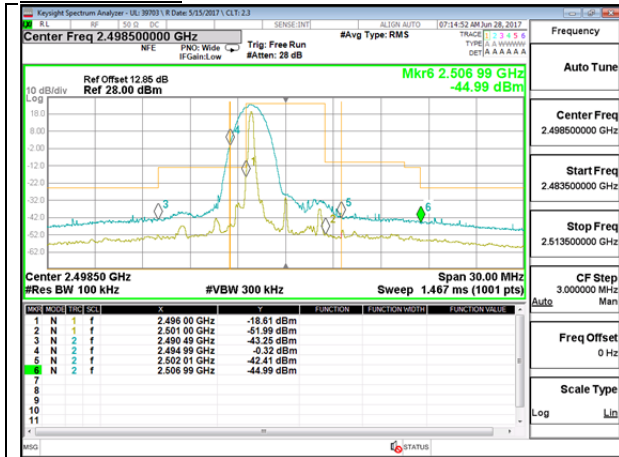




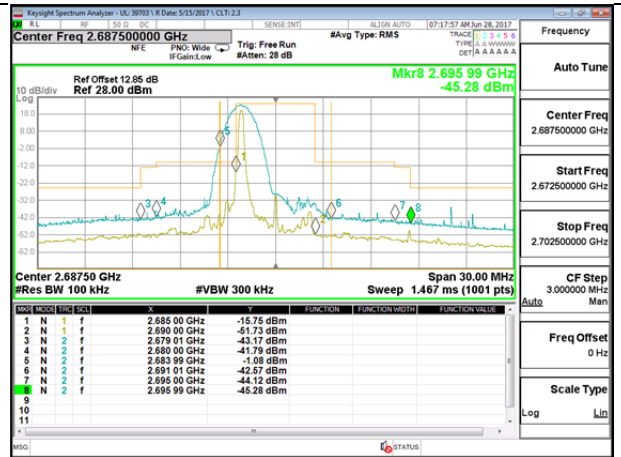




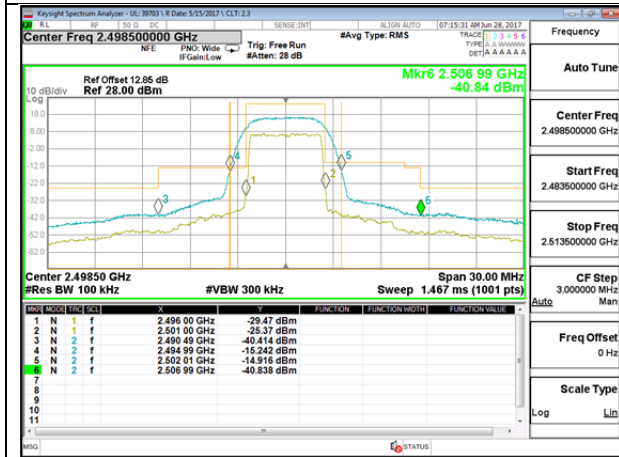
LTE Band 41



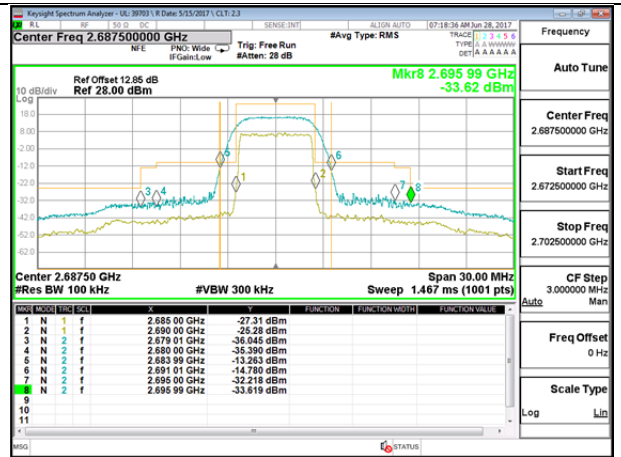
LTE B41 5MHz QPSK Low Channel 1RB



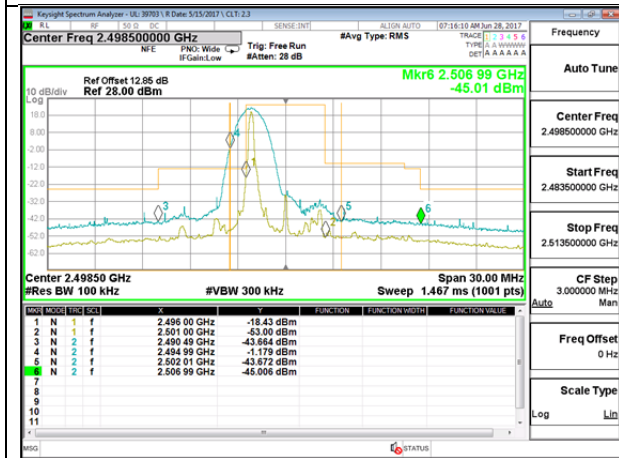
LTE B41 5MHz QPSK High Channel 1RB



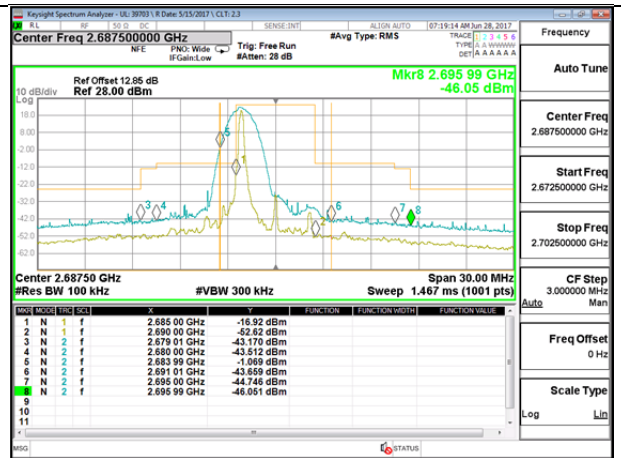
LTE B41 5MHz QPSK Low Channel FRB



LTE B41 5MHz QPSK High Channel FRB



LTE B41 5MHz 16QAM Low Channel 1RB



LTE B41 5MHz 16QAM High Channel 1RB