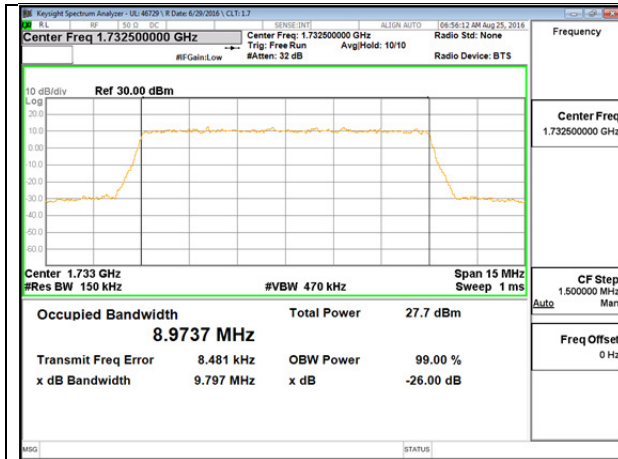
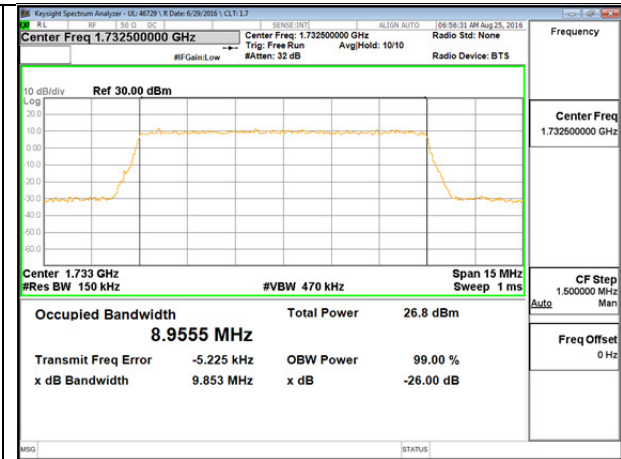


LTE Band 4 Plots

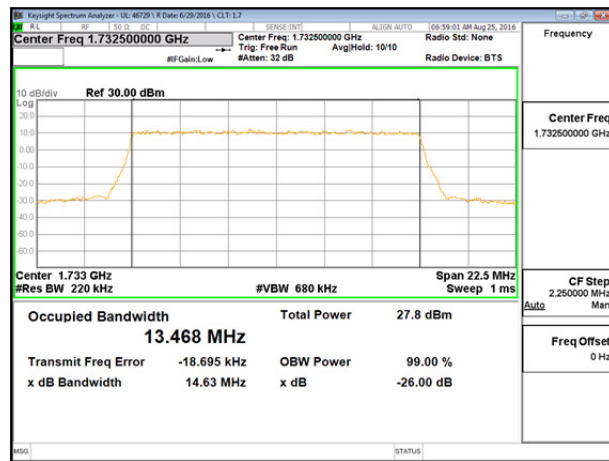




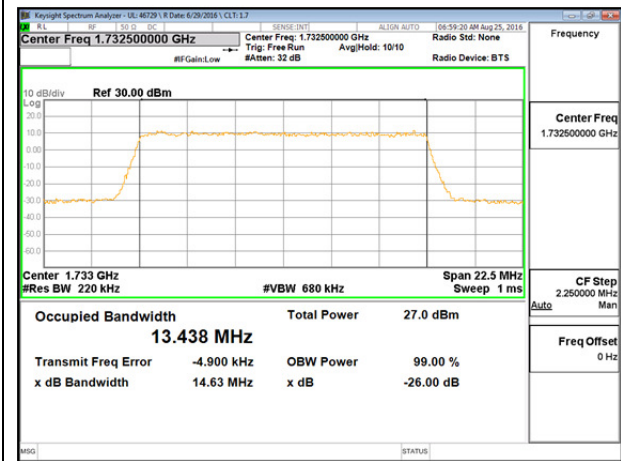
LTE B4 10MHz QPSK Middle Channel



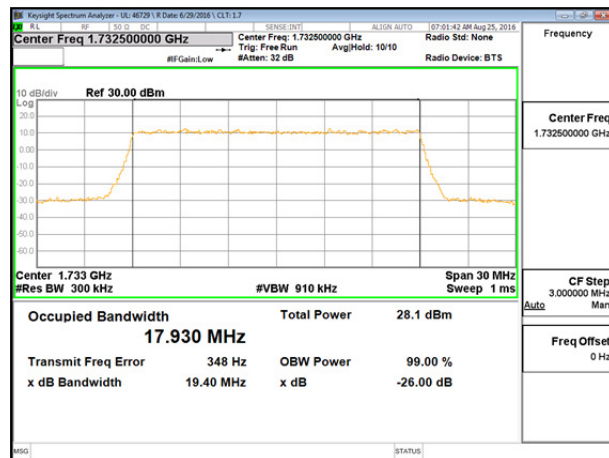
LTE B4 10MHz 16QAM Middle Channel



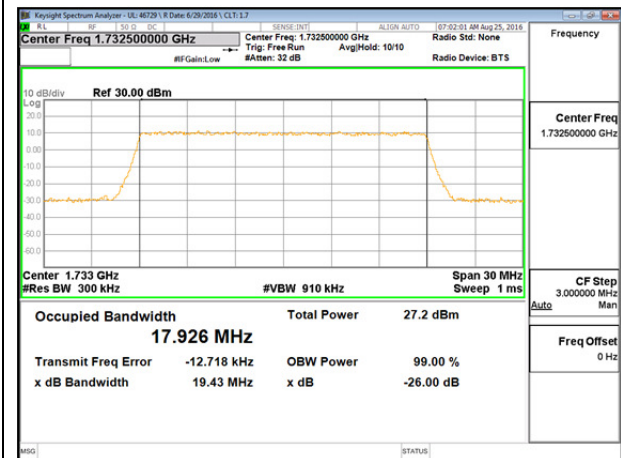
LTE B4 15MHz QPSK Middle Channel



LTE B4 15MHz 16QAM Middle Channel



LTE B4 20MHz QPSK Middle Channel



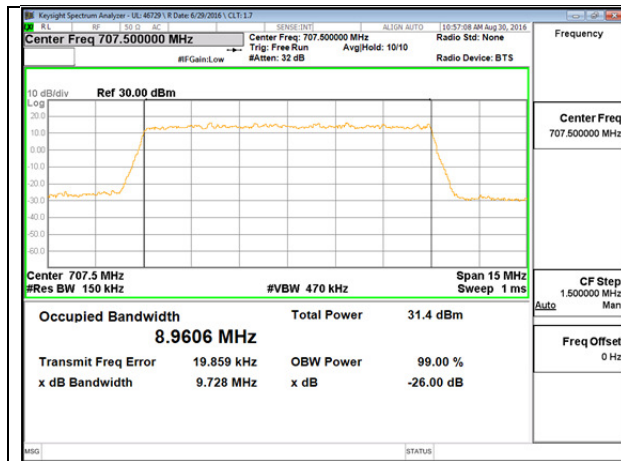
LTE B4 20MHz 16QAM Middle Channel

LTE Band 12 Data

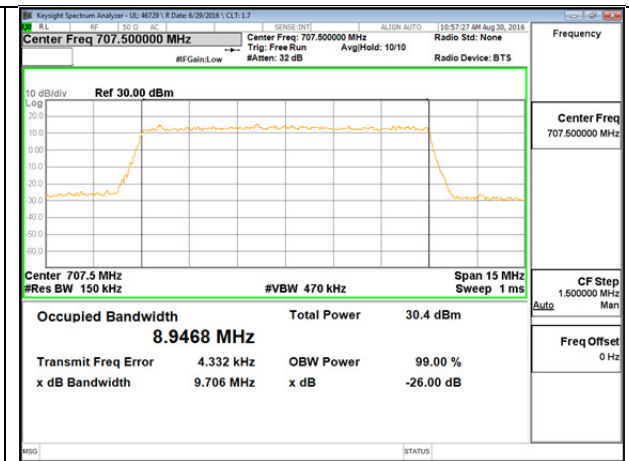
BW(MHz)	Mode	RB/RB Size	f (MHz)	99% BW (MHz)	-26dB BW (MHz)
1.4	QPSK	6/0	699.7	1.086	1.229
		6/0	707.5	1.080	1.226
		6/0	715.3	1.085	1.230
	16QAM	6/0	699.7	1.084	1.236
		6/0	707.5	1.085	1.234
		6/0	715.3	1.093	1.238
3	QPSK	15/0	700.5	2.700	2.984
		15/0	707.5	2.698	2.989
		15/0	714.5	2.704	3.003
	16QAM	15/0	700.5	2.706	3.012
		15/0	707.5	2.698	2.988
		15/0	714.5	2.695	3.000
5	QPSK	25/0	701.5	4.507	4.959
		25/0	707.5	4.492	4.954
		25/0	713.5	4.485	4.933
	16QAM	25/0	701.5	4.505	4.952
		25/0	707.5	4.489	4.922
		25/0	713.5	4.486	4.919
10	QPSK	50/0	704.0	8.966	9.800
		50/0	707.5	8.961	9.728
		50/0	711.0	8.970	9.766
	16QAM	50/0	704.0	8.981	9.746
		50/0	707.5	8.947	9.706
		50/0	711.0	9.004	9.800

LTE Band 12 Plots





LTE B12 10MHz QPSK Middle Channel



LTE B12 10MHz 16QAM Middle Channel

LTE Band 17 Data

BW(MHz)	Mode	RB/RB Size	f (MHz)	99% BW (MHz)	-26dB BW (MHz)
5	QPSK	25/0	706.5	4.490	4.936
		25/0	710	4.486	4.919
		25/0	713.5	4.503	4.950
	16QAM	25/0	706.5	4.486	4.925
		25/0	710	4.484	4.925
		25/0	713.5	4.501	4.962
10	QPSK	50/0	709	8.971	9.724
		50/0	710	8.986	9.710
		50/0	711	8.973	9.731
	16QAM	50/0	709	8.988	9.803
		50/0	710	8.958	9.777
		50/0	711	9.007	9.827

LTE Band 17 Plots

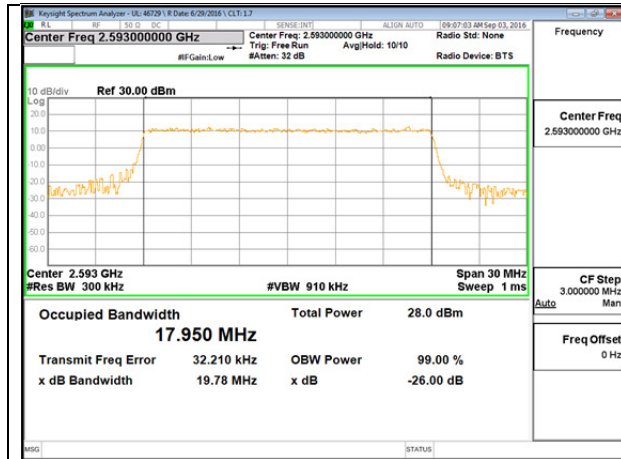


LTE Band 41 Data

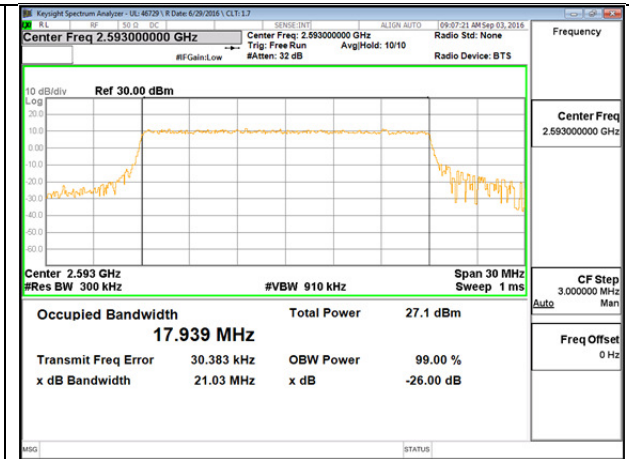
BW(MHz)	Mode	RB/RB Size	f (MHz)	99% BW (MHz)	-26dB BW (MHz)
5	QPSK	25/0	2498.5	4.499	4.881
		25/0	2593.0	4.490	4.976
		25/0	2687.5	4.493	4.954
	16QAM	25/0	2498.5	4.488	4.924
		25/0	2593.0	4.486	4.893
		25/0	2687.5	4.492	4.964
10	QPSK	50/0	2501.0	8.954	9.649
		50/0	2593.0	8.979	9.749
		50/0	2685.0	8.954	9.703
	16QAM	50/0	2501.0	8.981	9.789
		50/0	2593.0	8.956	9.946
		50/0	2685.0	8.988	10.120
15	QPSK	75/0	2503.5	13.436	14.570
		75/0	2593.0	13.440	15.110
		75/0	2682.5	13.440	14.650
	16QAM	75/0	2503.5	13.464	15.110
		75/0	2593.0	13.475	15.250
		75/0	2682.5	13.445	14.750
20	QPSK	100/0	2506.0	17.937	19.720
		100/0	2593.0	17.950	19.780
		100/0	2680.0	17.888	19.700
	16QAM	100/0	2506.0	17.931	19.640
		100/0	2593.0	17.939	21.030
		100/0	2680.0	17.907	19.770

LTE Band 41 Plots





LTE B41 20MHz QPSK Middle Channel



LTE B41 20MHz 16QAM Middle Channel

9.3. BANDEDGE AND EMISSION MASK

RULE PART(S)

FCC: §22.359, §24.238, and §27.53

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.

TEST PROCEDURE

Per KDB 971168 D01 Power Meas License Digital Systems v02r02

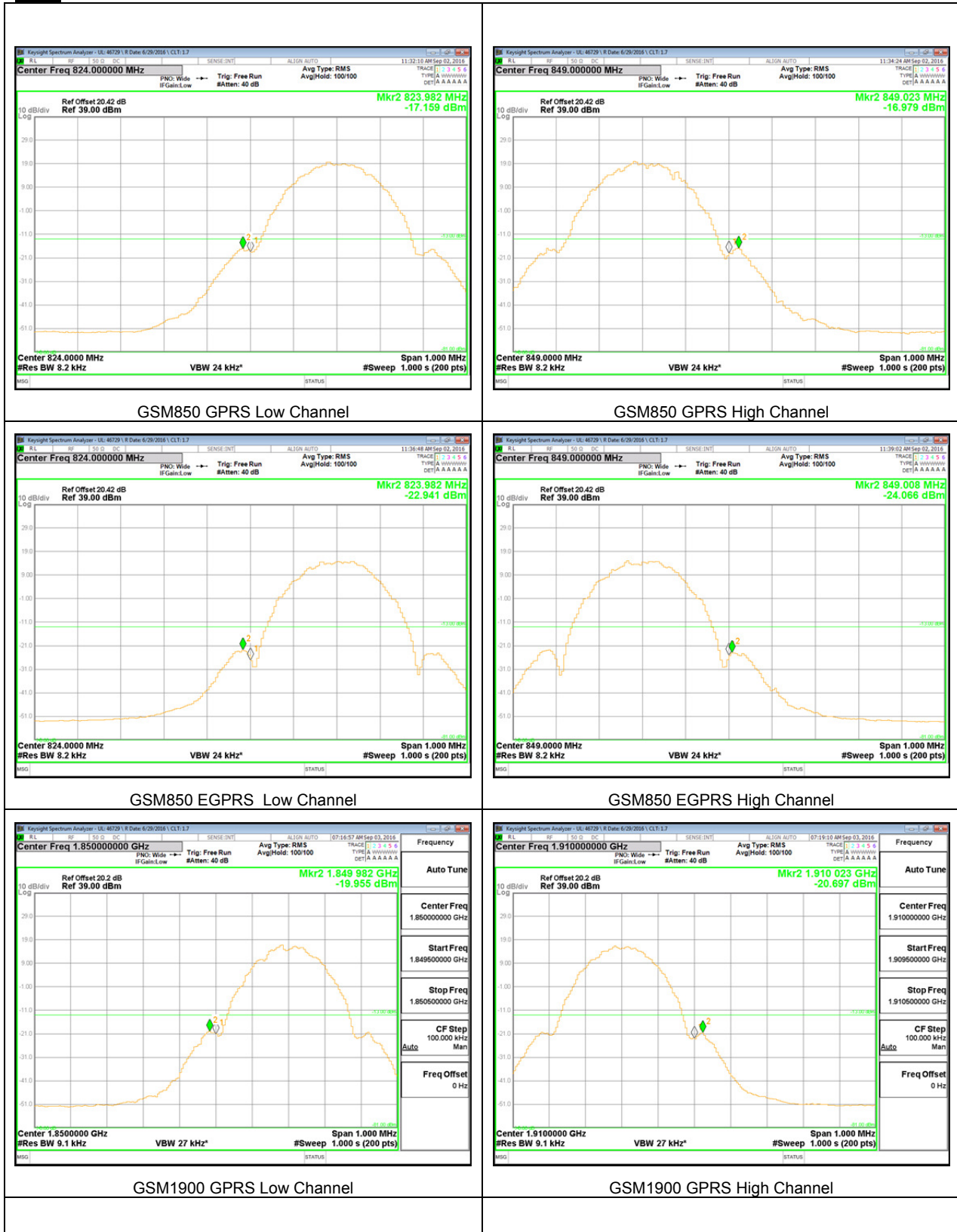
The transmitter output was connected to an Agilent 8960 or a CMW500 Test Set and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

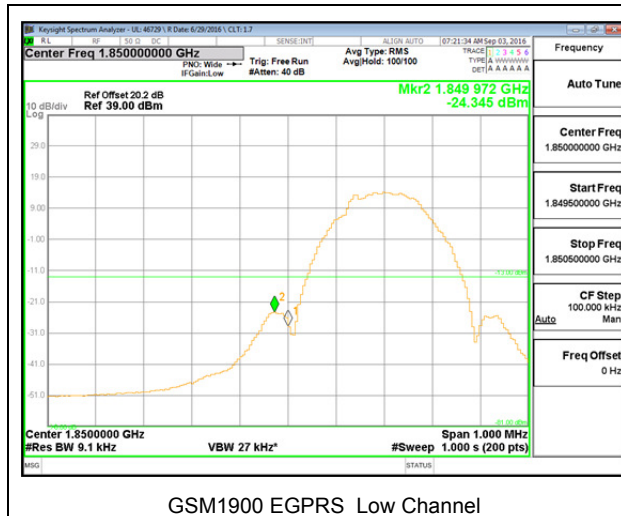
Note : LTE B41 Emission plot

1. RBW: 1MHz for Blue Trace
2. RBW: 2% of OBW for Red Trace

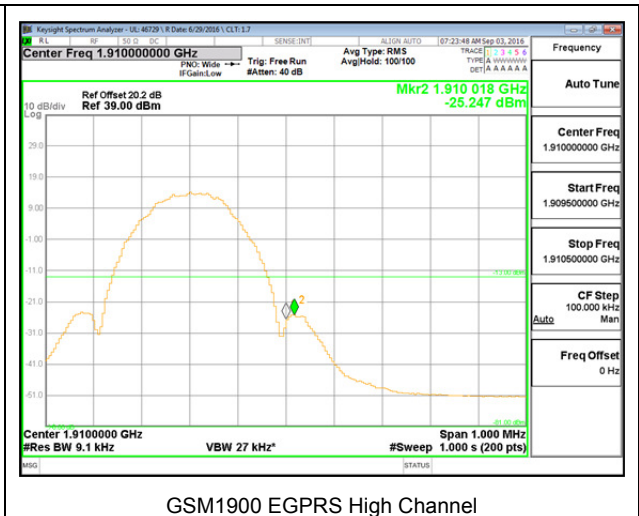
9.3.1. BANEDGE PLOTS

GSM



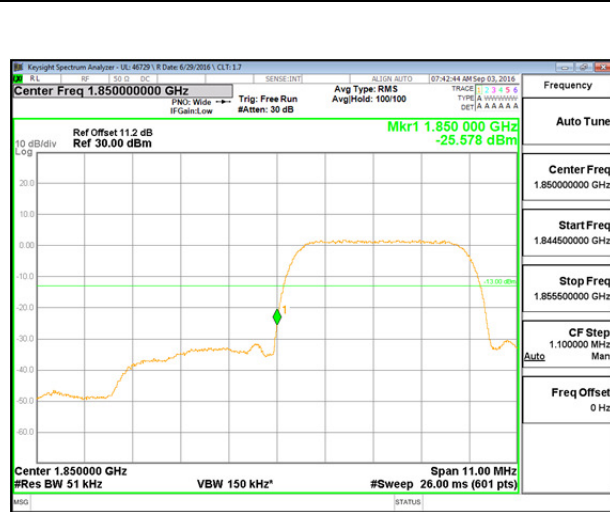


GSM1900 EGPRS Low Channel

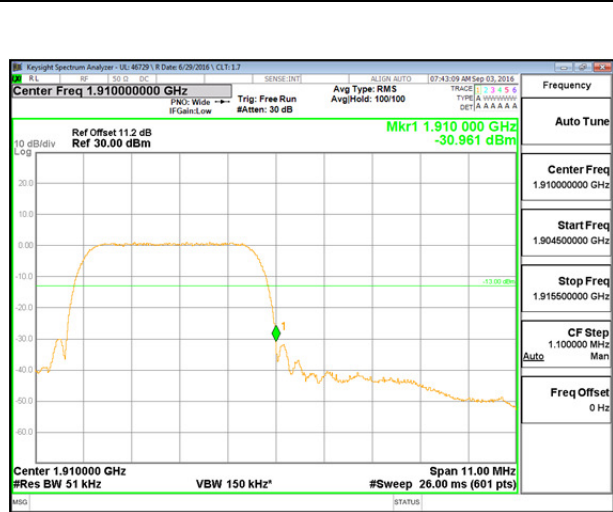


GSM1900 EGPRS High Channel

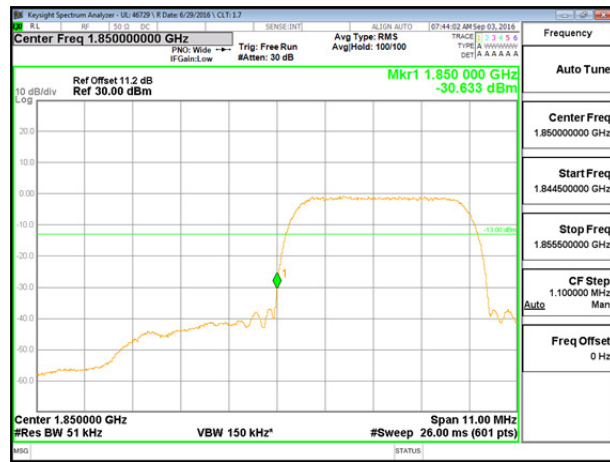
WCDMA



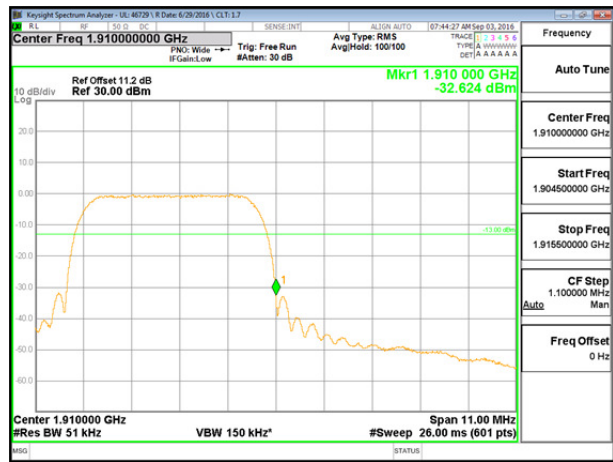
B2 REL99 Low Channel



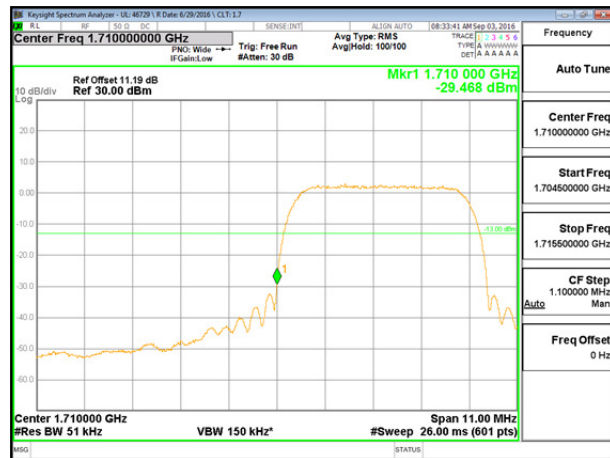
B2 REL99 High Channel



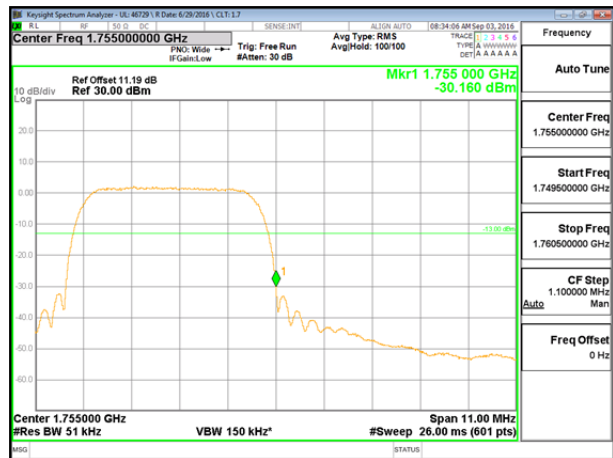
B2 HSDPA Low Channel



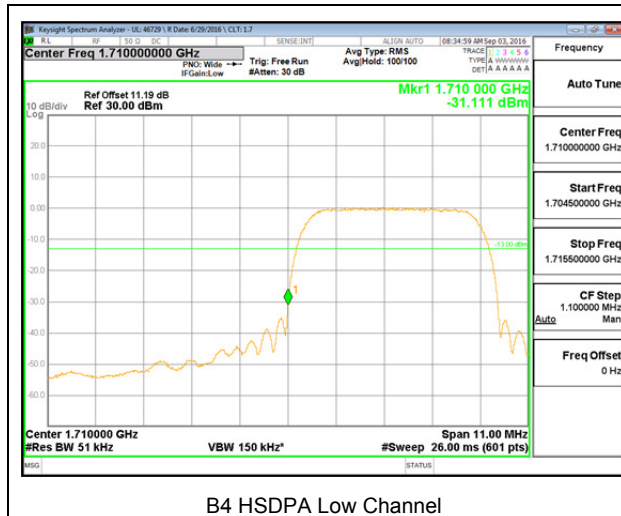
B2 HSDPA High Channel



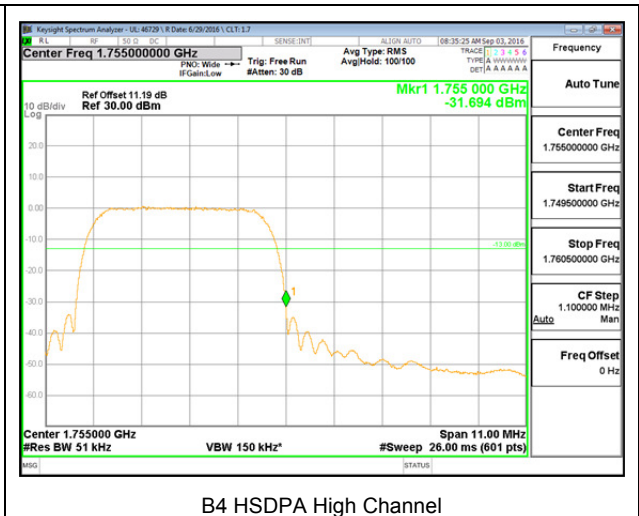
B4 REL99 Low Channel



B4 REL99 High Channel

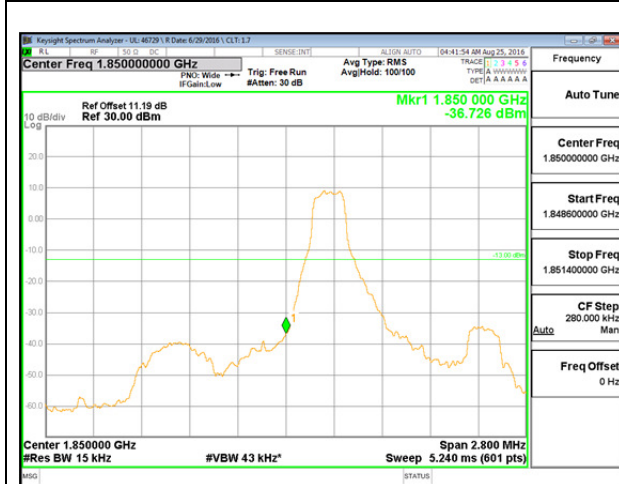


B4 HSDPA Low Channel

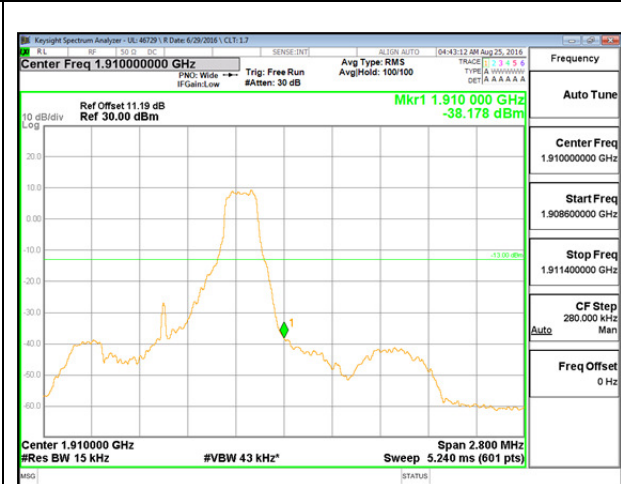


B4 HSDPA High Channel

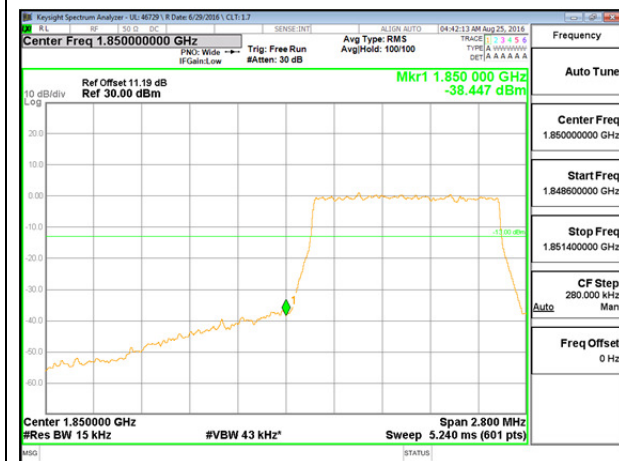
LTE Band 2



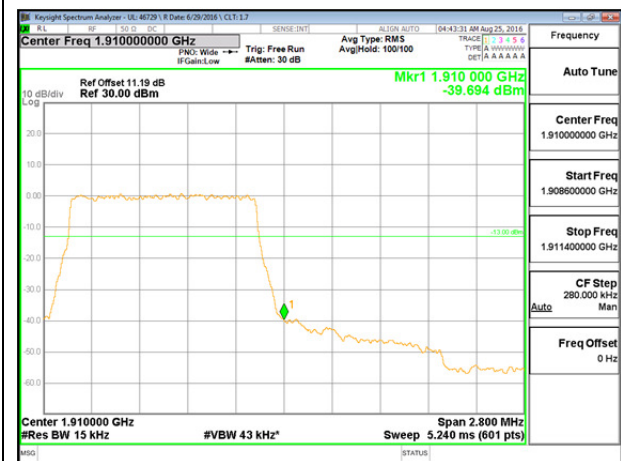
LTE B2 1.4MHz QPSK Low Channel 1RB



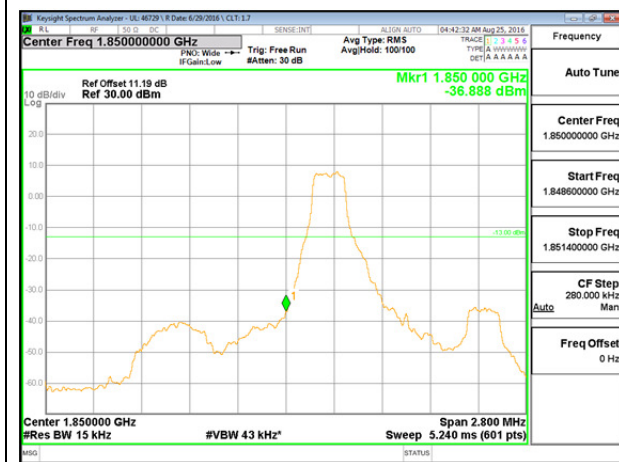
LTE B2 1.4MHz QPSK High Channel 1RB



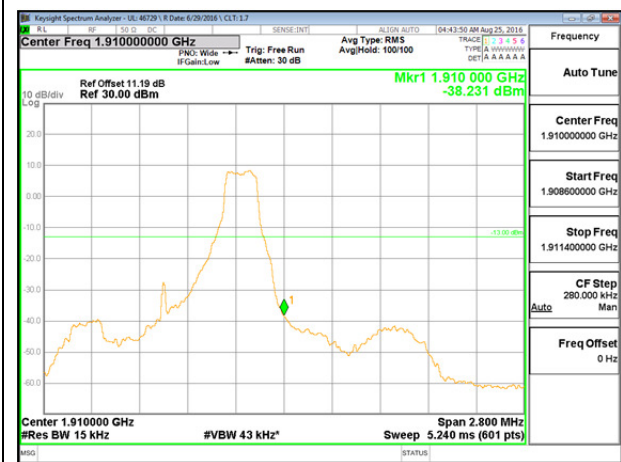
LTE B2 1.4MHz QPSK Low Channel FRB



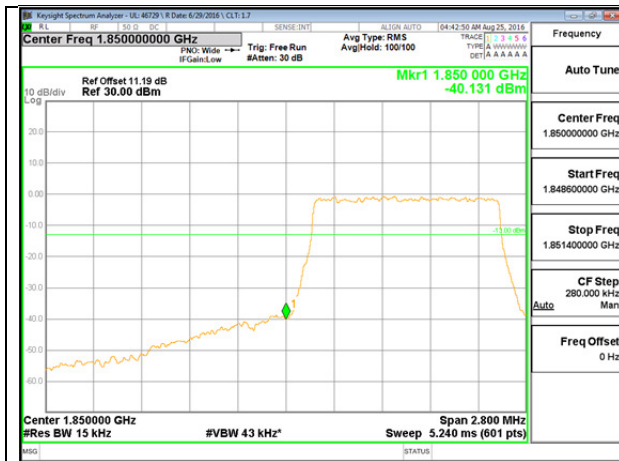
LTE B2 1.4MHz QPSK High Channel FRB



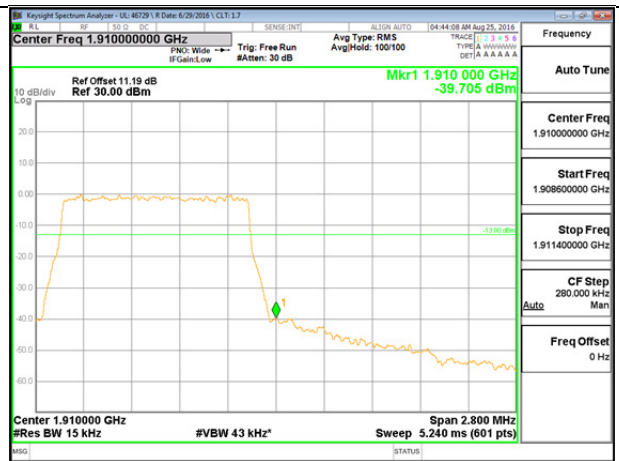
LTE B2 1.4MHz 16QAM Low Channel 1RB



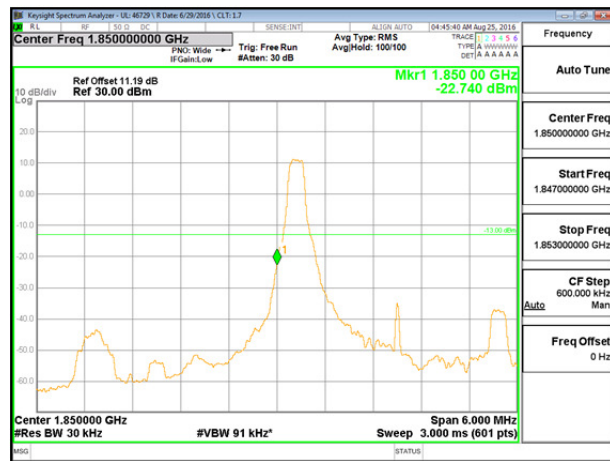
LTE B2 1.4MHz 16QAM High Channel 1RB



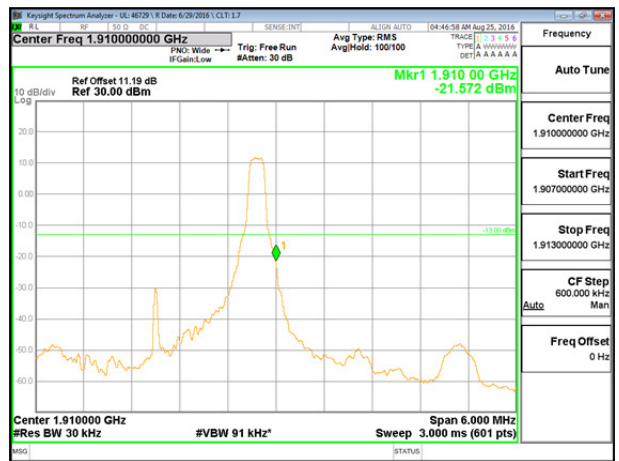
LTE B2 1.4MHz 16QAM Low Channel FRB



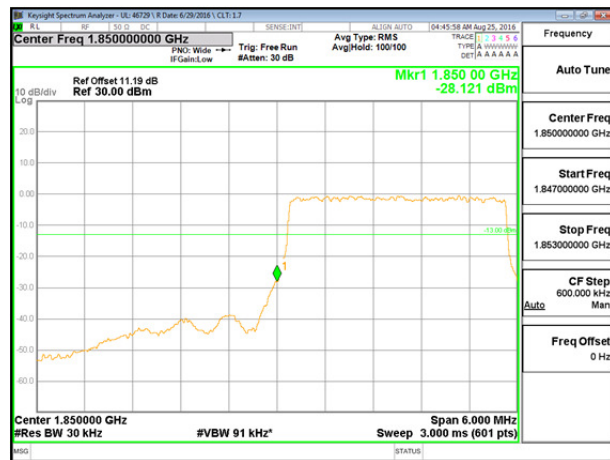
LTE B2 1.4MHz 16QAM High Channel FRB



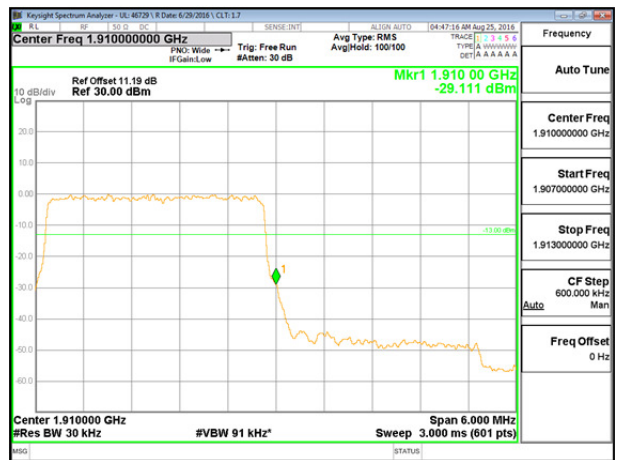
LTE B2 3MHz QPSK Low Channel 1RB



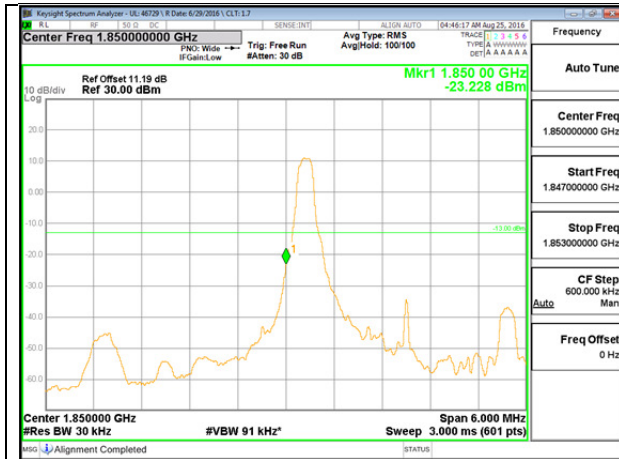
LTE B2 3MHz QPSK High Channel 1RB



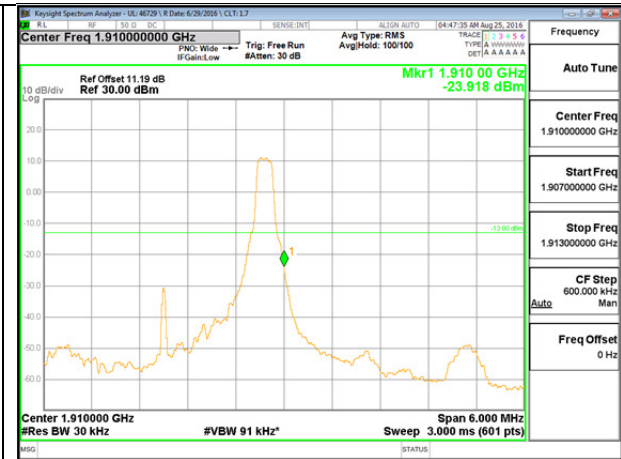
LTE B2 3MHz QPSK Low Channel FRB



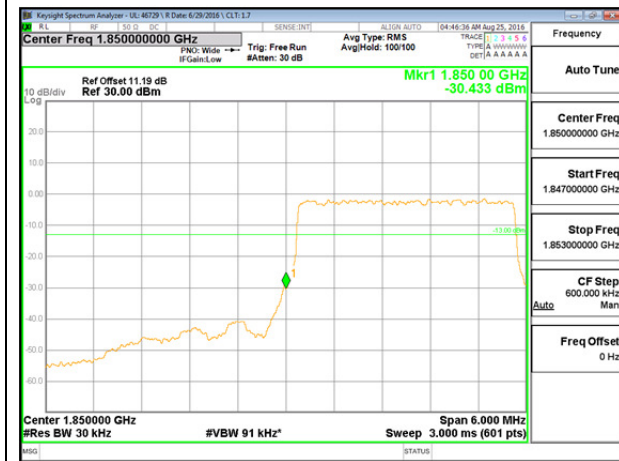
LTE B2 3MHz QPSK High Channel FRB



LTE B2 3MHz 16QAM Low Channel 1RB



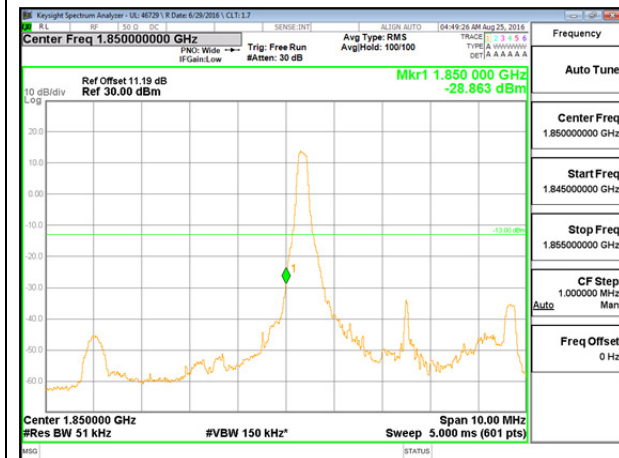
LTE B2 3MHz 16QAM High Channel 1RB



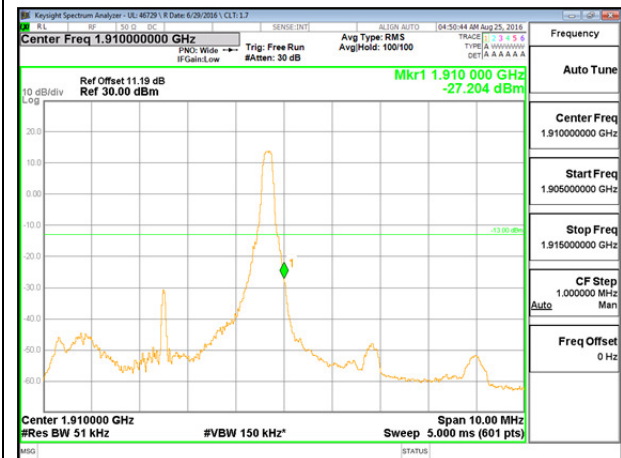
LTE B2 3MHz 16QAM Low Channel FRB



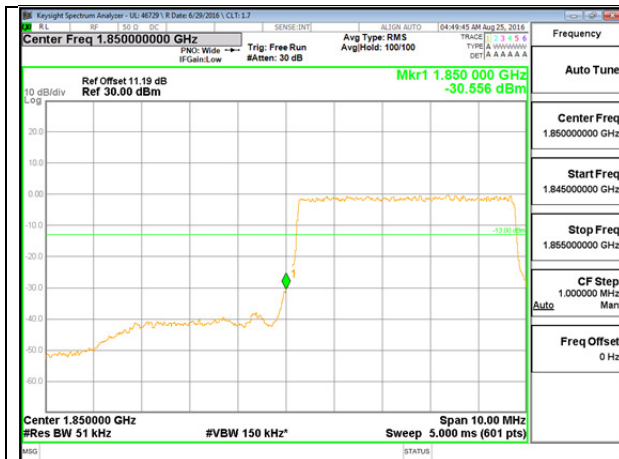
LTE B2 3MHz 16QAM High Channel FRB



LTE B2 5MHz QPSK Low Channel 1RB



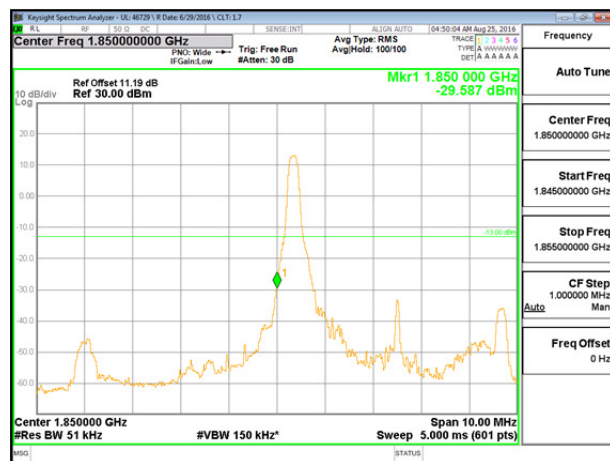
LTE B2 5MHz QPSK High Channel 1RB



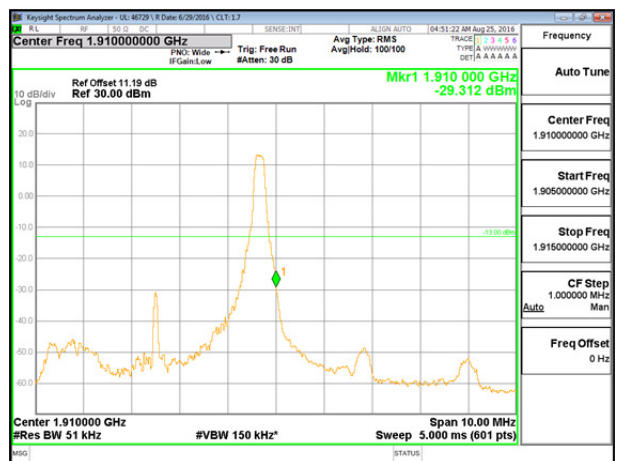
LTE B2 5MHz QPSK Low Channel FRB



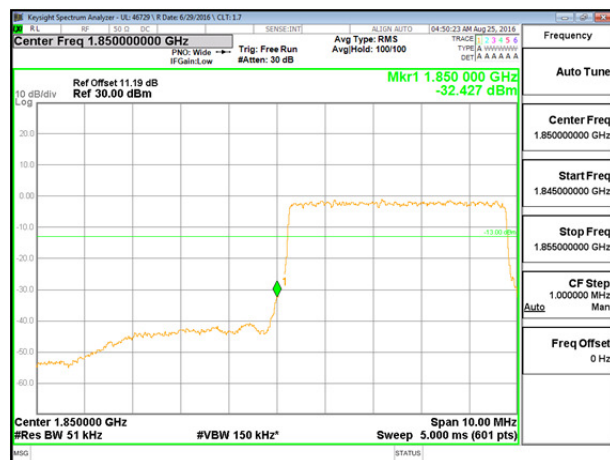
LTE B2 5MHz QPSK High Channel FRB



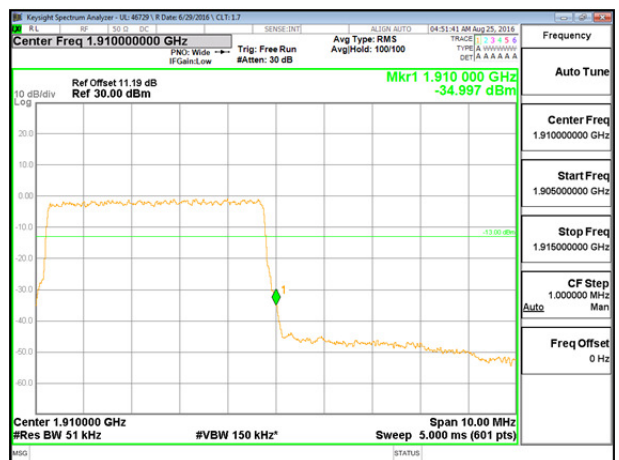
LTE B2 5MHz 16QAM Low Channel 1RB



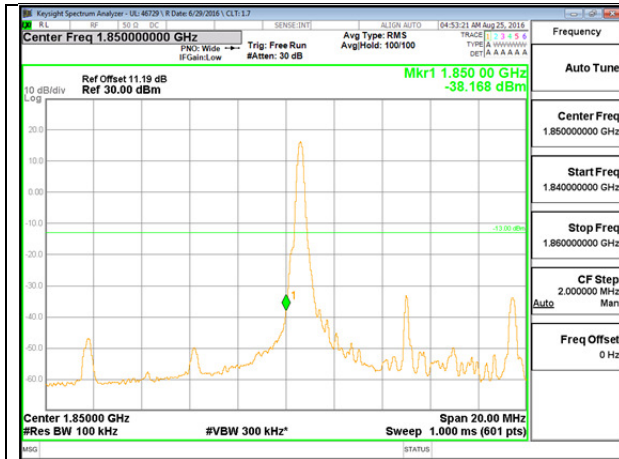
LTE B2 5MHz 16QAM High Channel 1RB



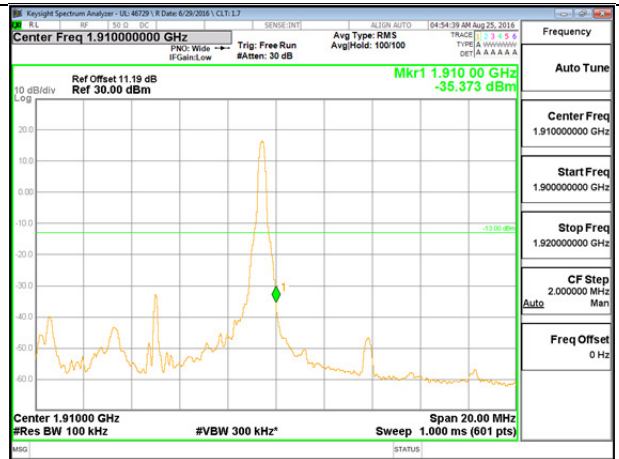
LTE B2 5MHz 16QAM Low Channel FRB



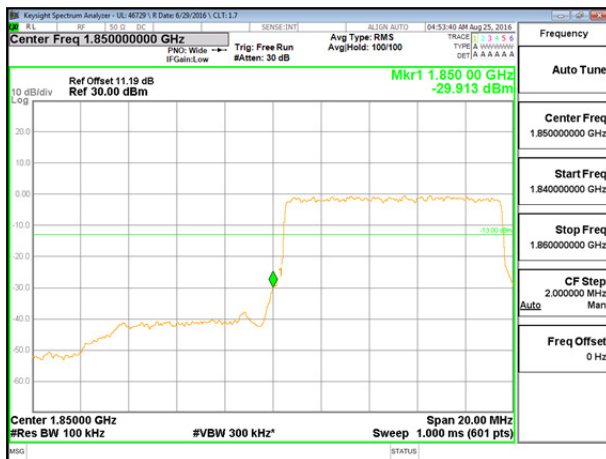
LTE B2 5MHz 16QAM High Channel FRB



LTE B2 10MHz QPSK Low Channel 1RB



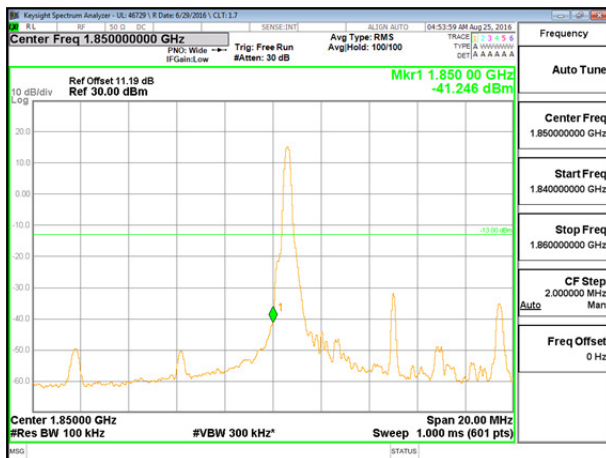
LTE B2 10MHz QPSK High Channel 1RB



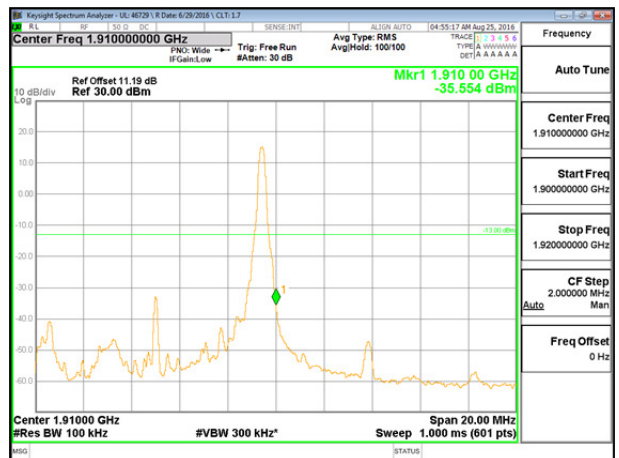
LTE B2 10MHz QPSK Low Channel FRB



LTE B2 10MHz QPSK High Channel FRB



LTE B2 10MHz 16QAM Low Channel 1RB



LTE B2 10MHz 16QAM High Channel 1RB