

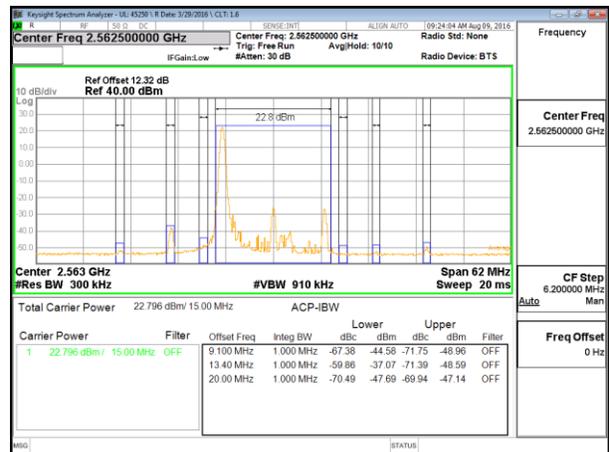
LTE B7 15MHz QPSK Low Channel FRB



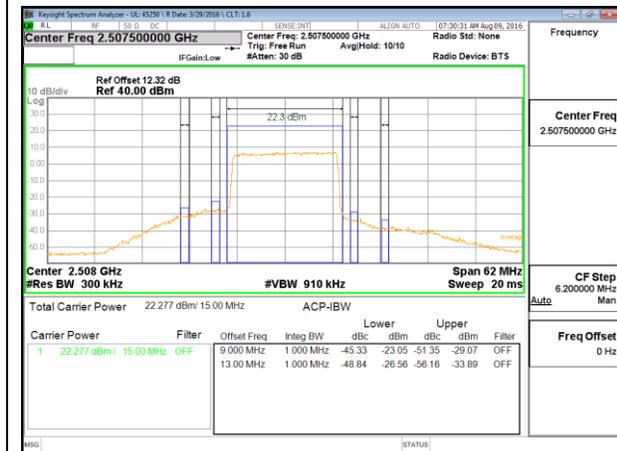
LTE B7 15MHz QPSK High Channel FRB



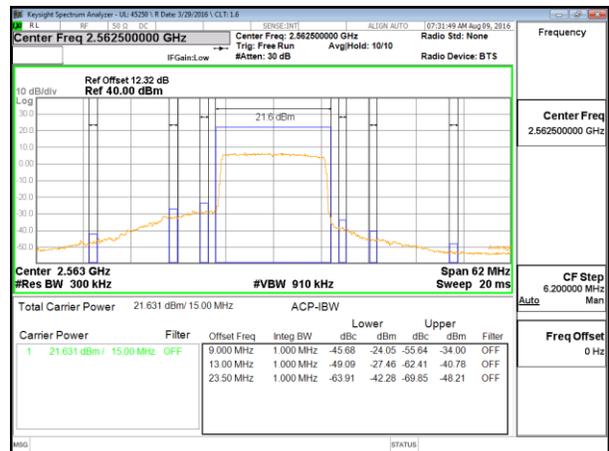
LTE B7 15MHz 16QAM Low Channel 1RB



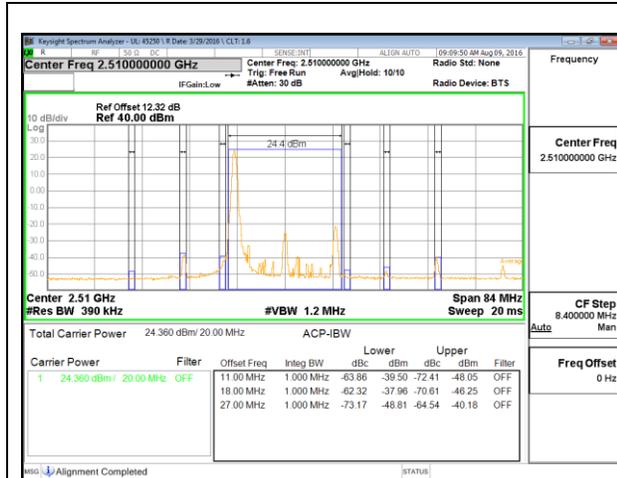
LTE B7 15MHz 16QAM High Channel 1RB



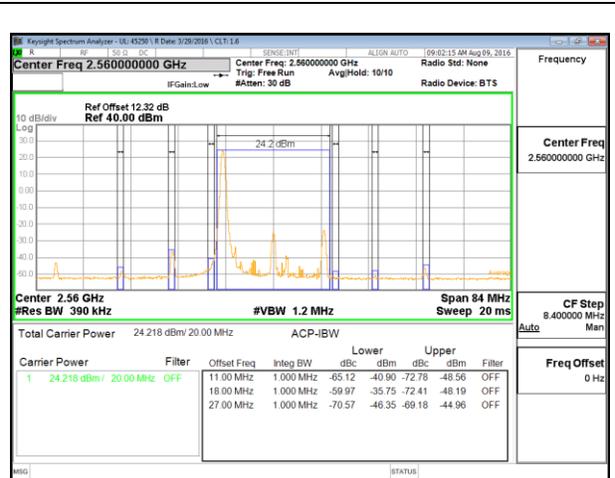
LTE B7 15MHz 16QAM Low Channel FRB



LTE B7 15MHz 16QAM High Channel FRB



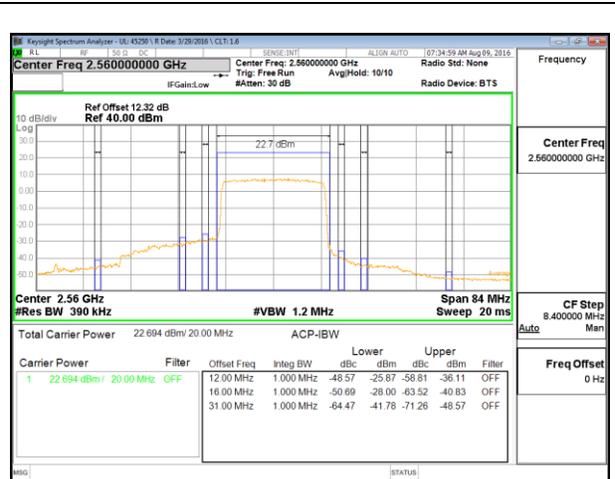
LTE B7 20MHz QPSK Low Channel 1RB



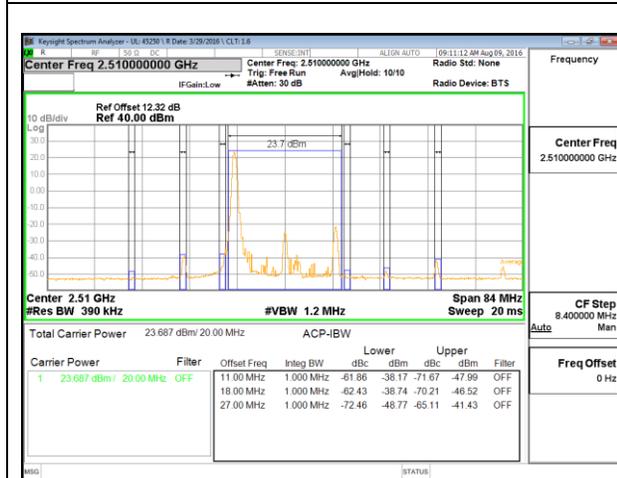
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LTE B7 20MHz QPSK Low Channel FRB



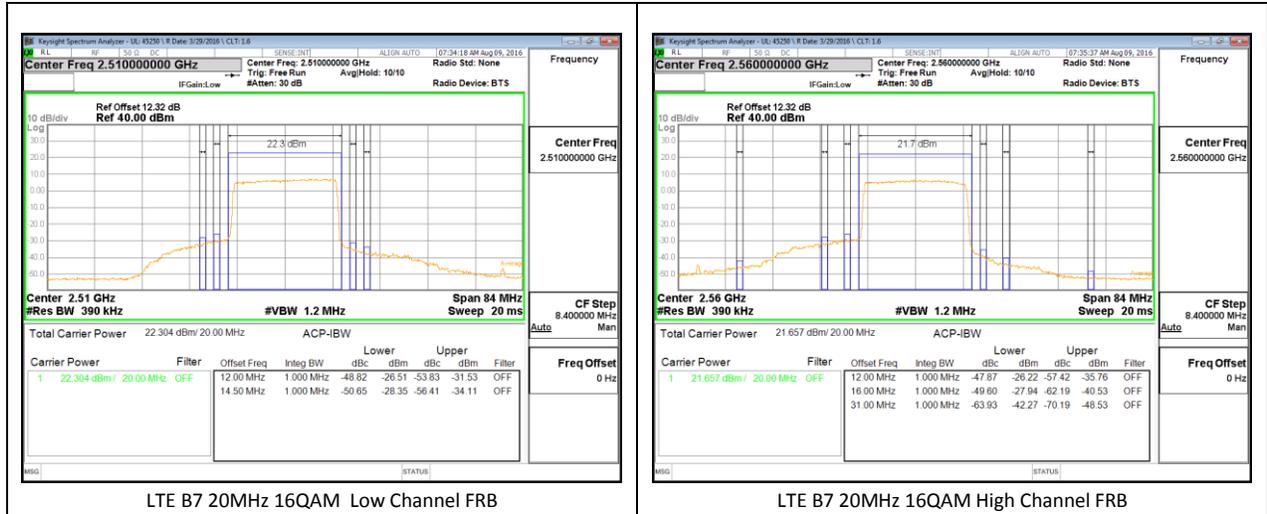
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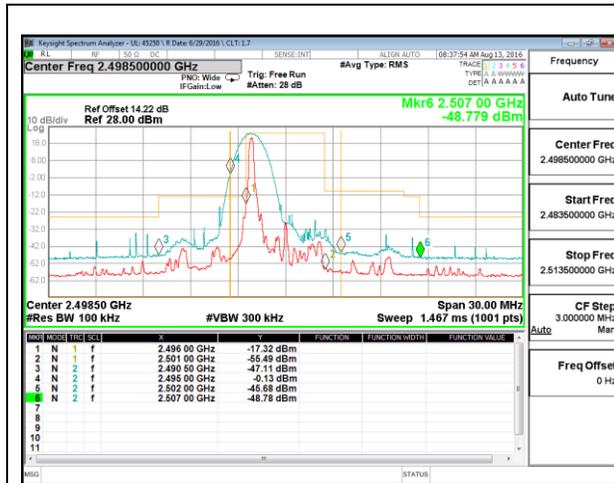
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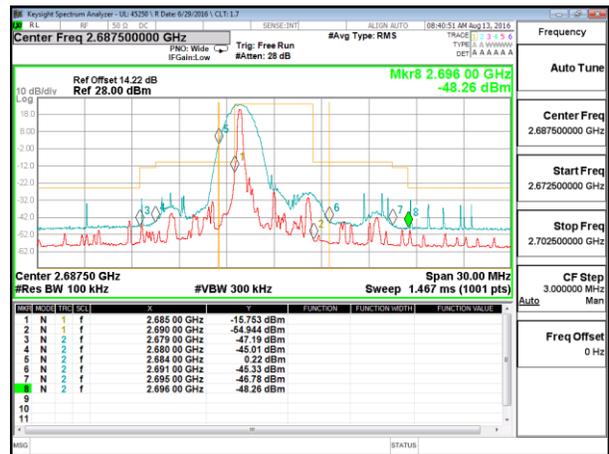
LTE B7 20MHz 16QAM High Channel 1RB



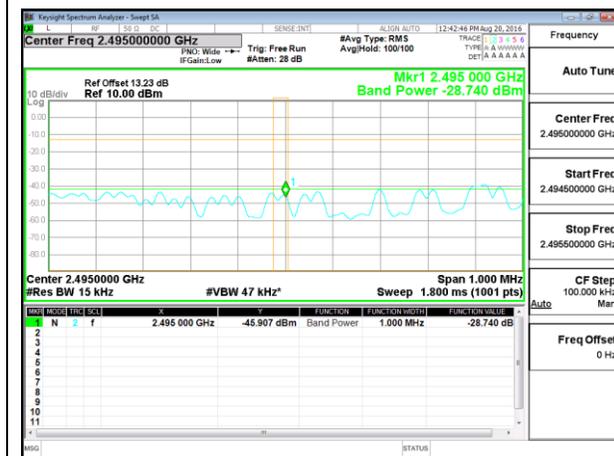
LTE Band 41



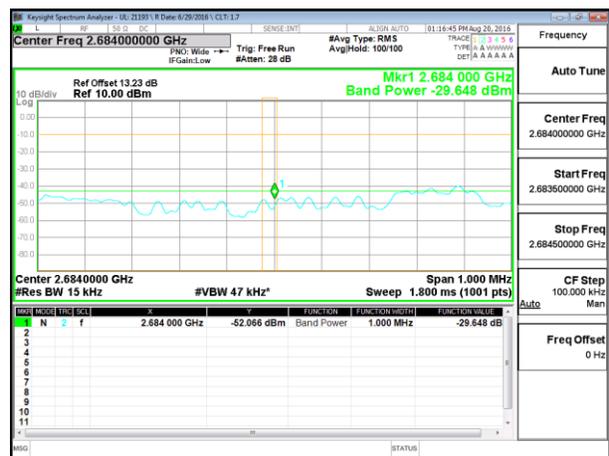
LTE B41 5MHz QPSK Low Channel 1RB



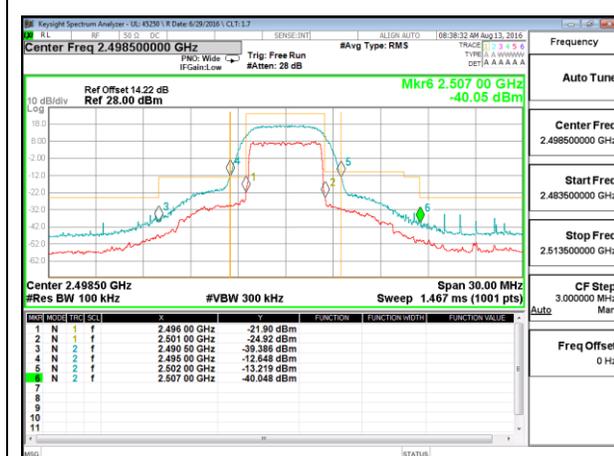
LTE B41 5MHz QPSK High Channel 1RB



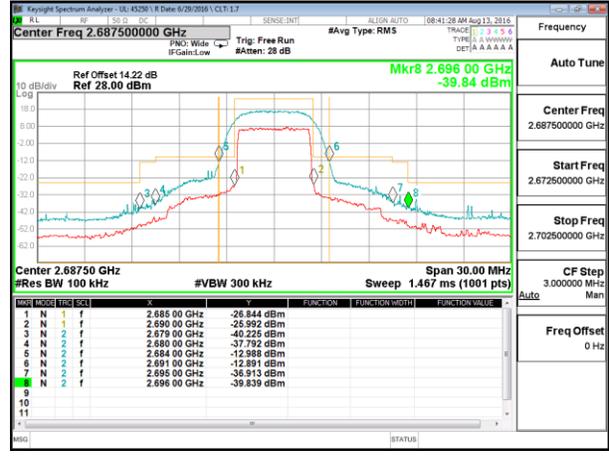
LTE B41 5MHz QPSK Low Channel 1RB at 2.495 GHz



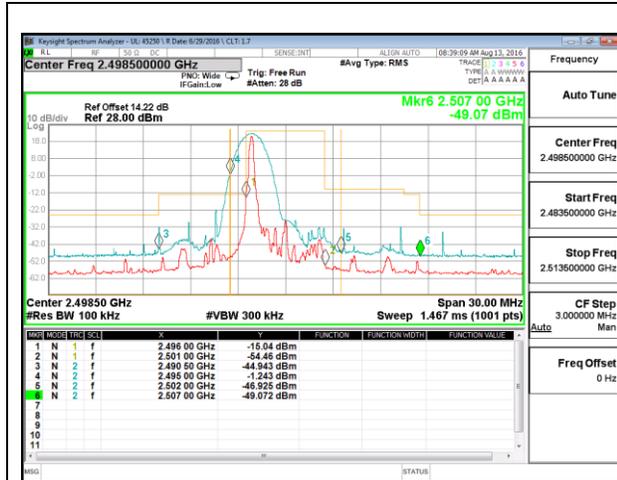
LTE B41 5MHz QPSK High Channel 1RB at 2.684GHz



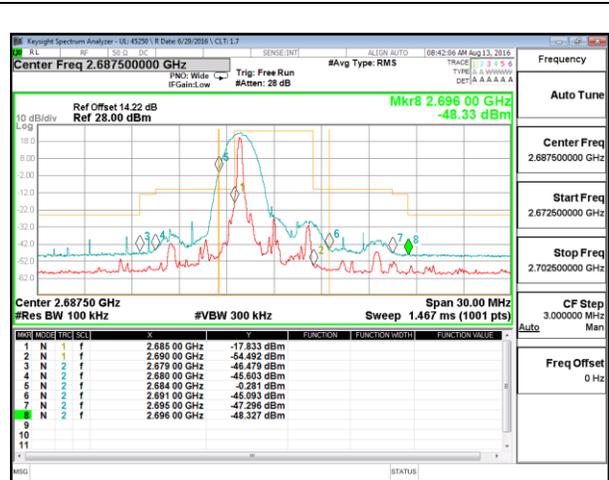
LTE B41 5MHz QPSK Low Channel FRB



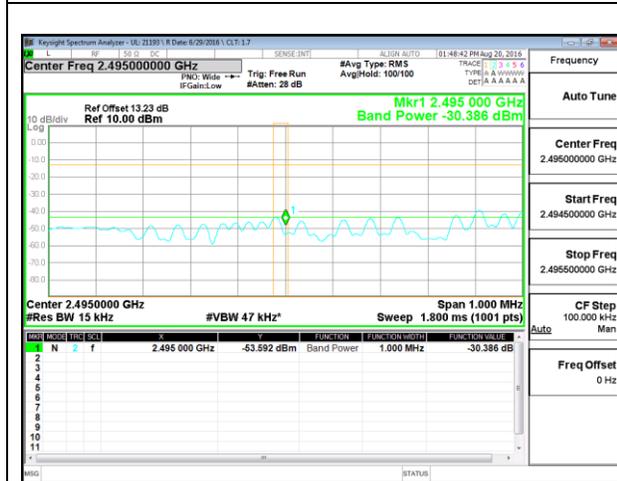
LTE B41 5MHz QPSK High Channel FRB



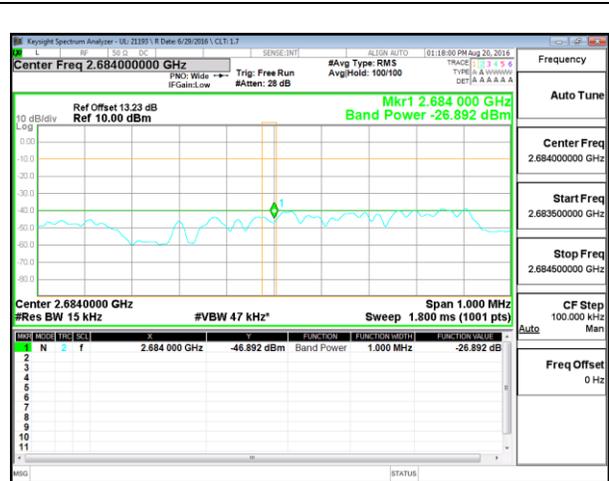
LTE B41 5MHz 16QAM Low Channel 1RB



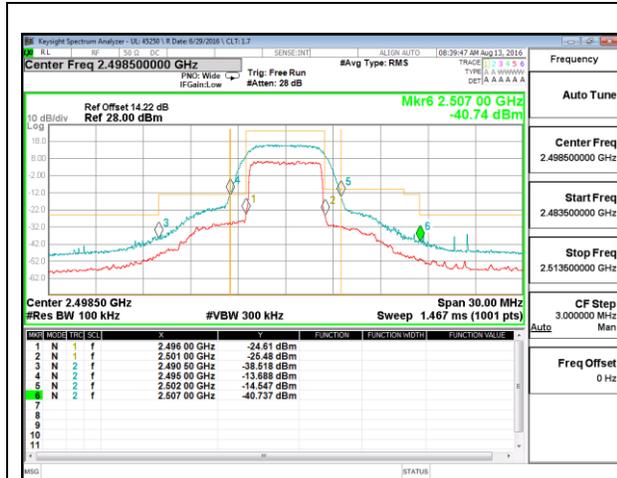
LTE B41 5MHz 16QAM High Channel 1RB



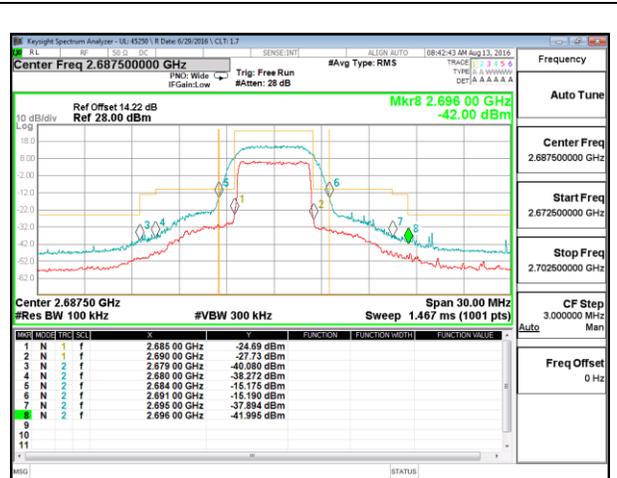
LTE B41 5MHz 16QAM Low Channel 1RB at 2.495 GHz



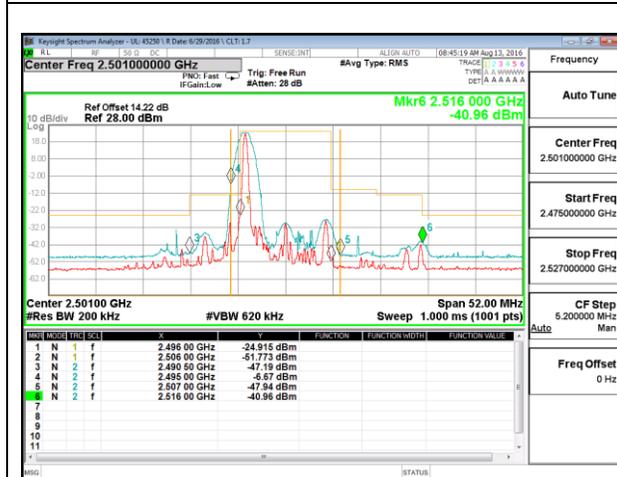
LTE B41 5MHz 16QAM High Channel 1RB at 2.684GHz



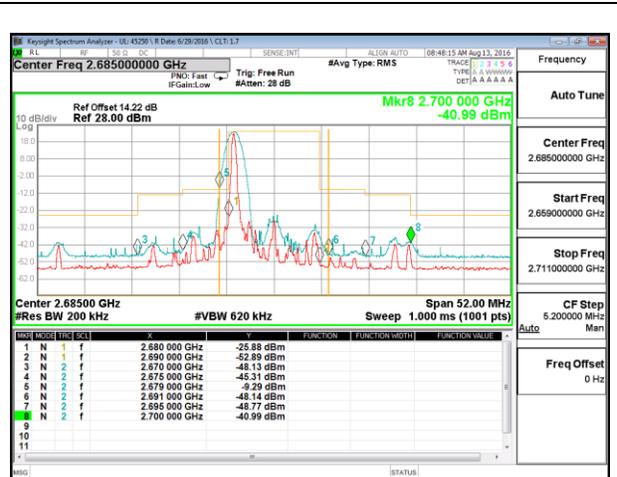
LTE B41 5MHz 16QAM Low Channel FRB



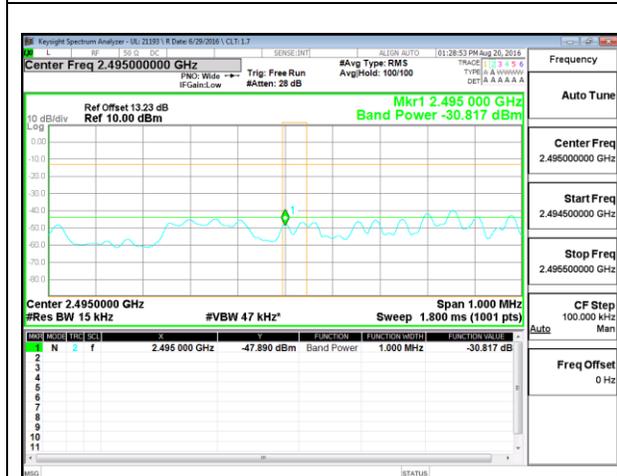
LTE B41 5MHz 16QAM High Channel FRB



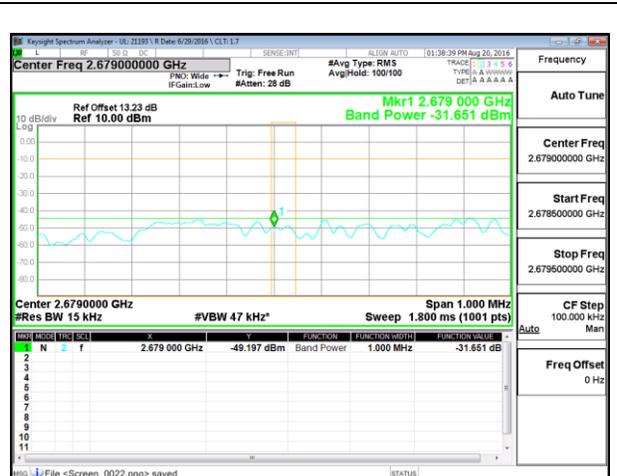
LTE B41 10MHz QPSK Low Channel 1RB



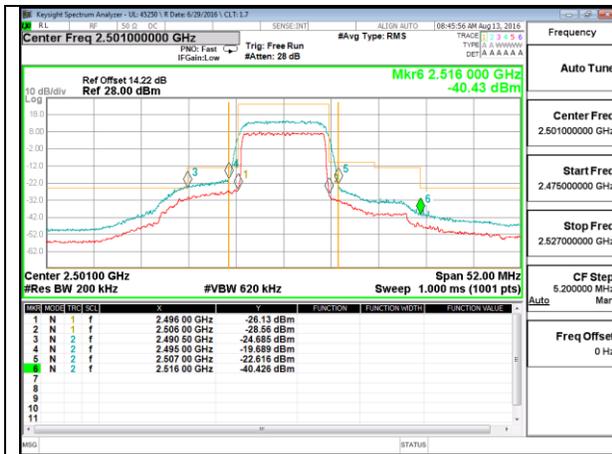
LTE B41 10MHz QPSK High Channel 1RB



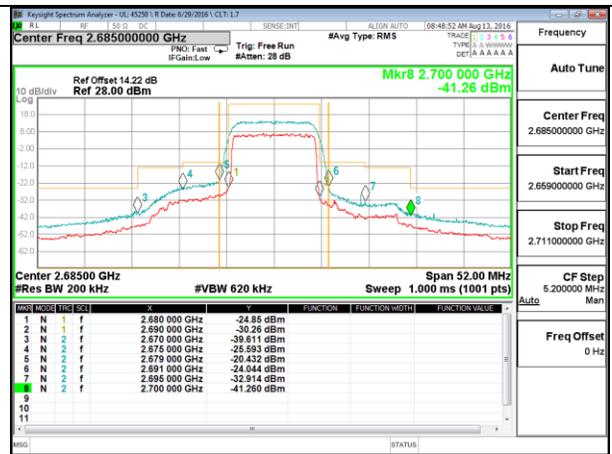
LTE B41 5MHz QPSK Low Channel 1RB at 2.495 GHz



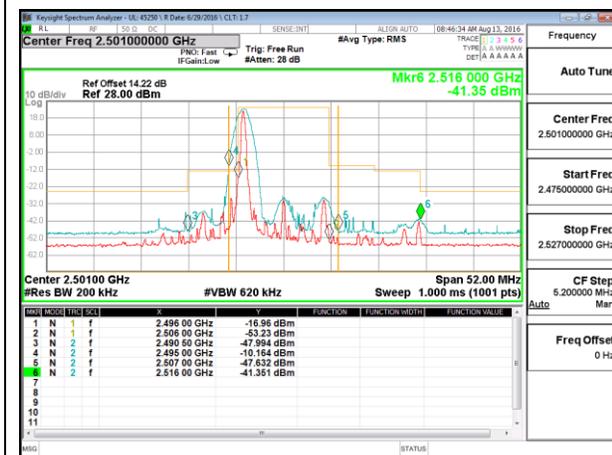
LTE B41 5MHz QPSK High Channel 1RB at 2.679 GHz



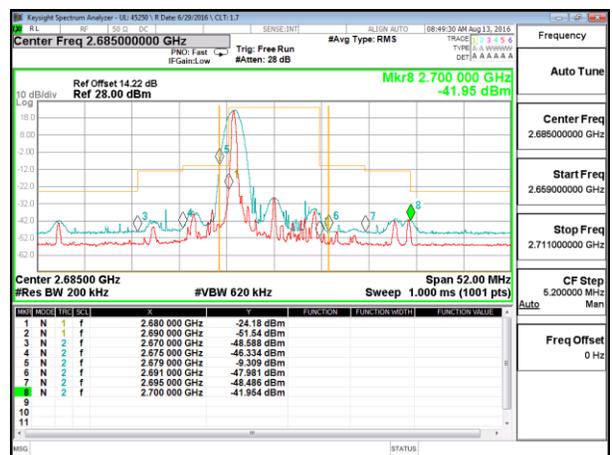
LTE B41 10MHz QPSK Low Channel FRB



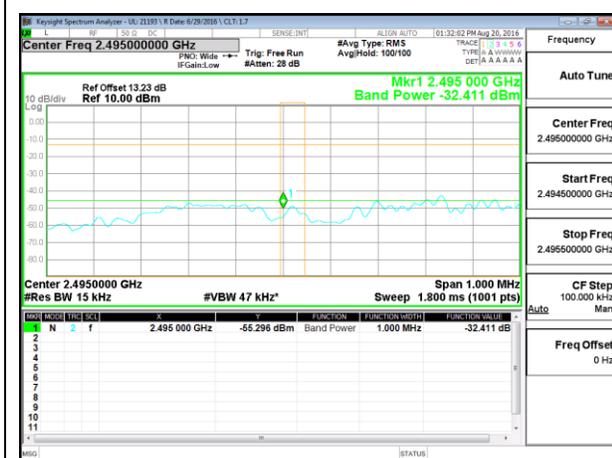
LTE B41 10MHz QPSK High Channel FRB



LTE B41 10MHz 16QAM Low Channel 1RB



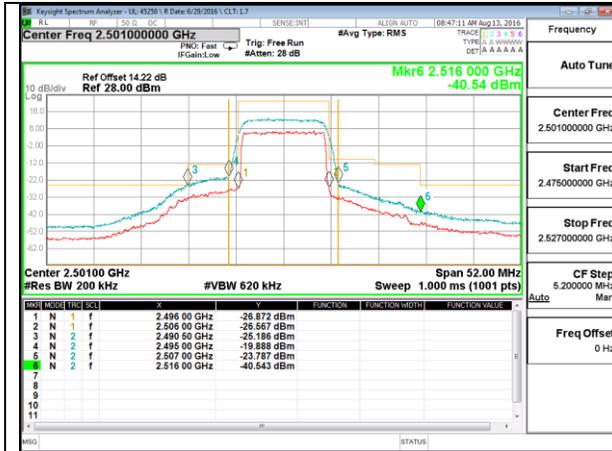
LTE B41 10MHz 16QAM High Channel 1RB



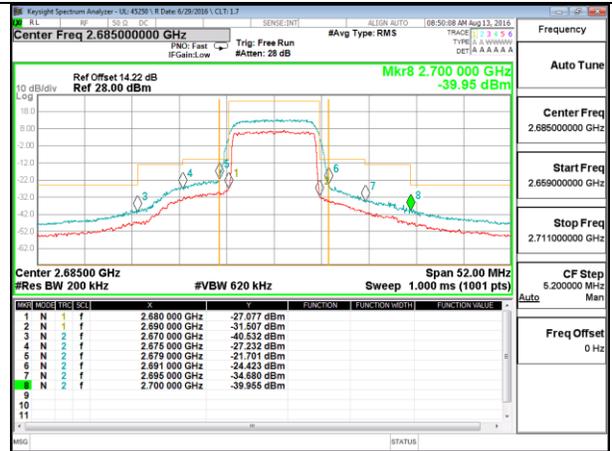
LTE B41 5MHz 16QAM Low Channel 1RB at 2.495 GHz



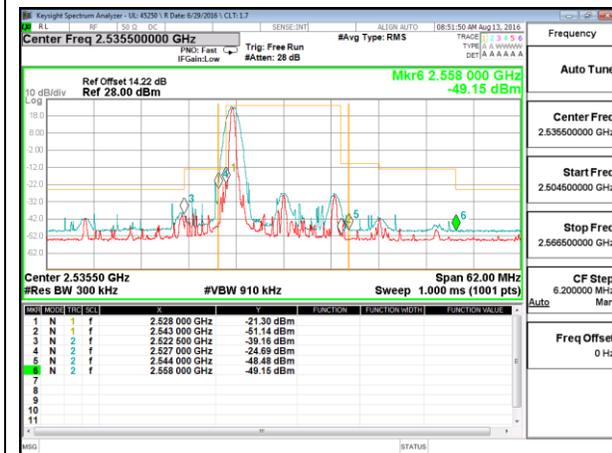
LTE B41 5MHz 16QAM Low Channel 1RB at 2.679GHz



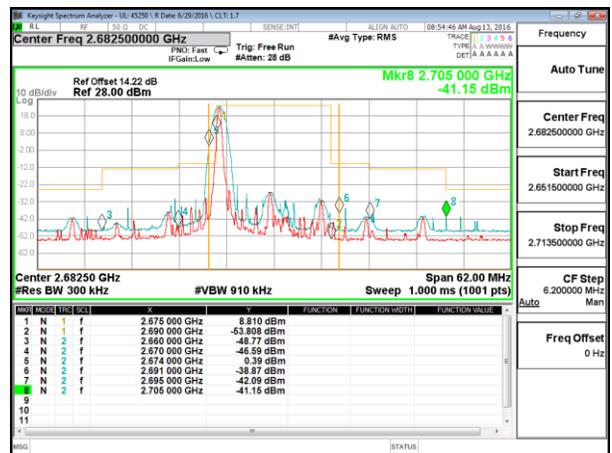
LTE B41 10MHz 16QAM Low Channel FRB



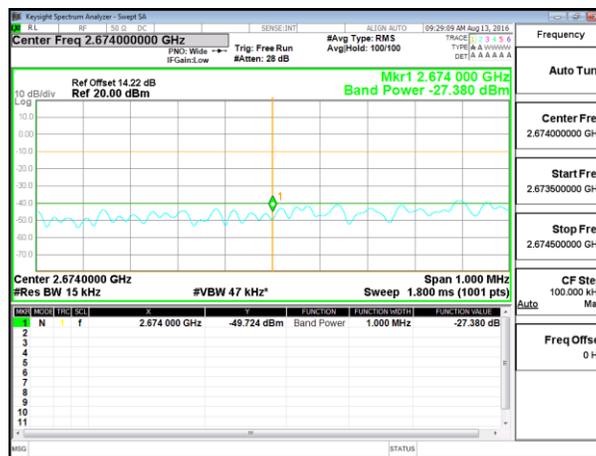
LTE B41 10MHz 16QAM High Channel FRB



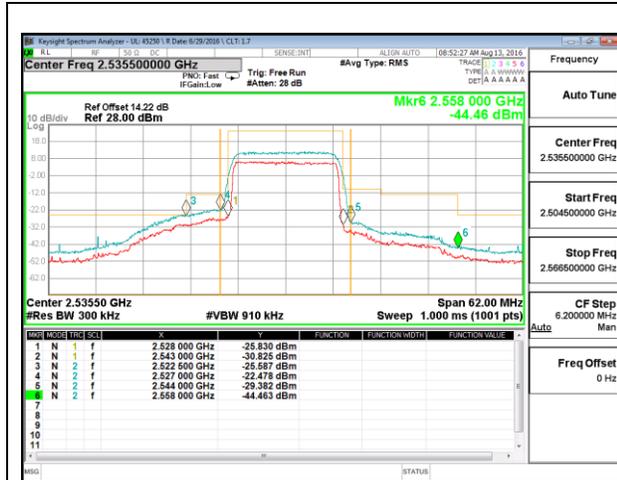
LTE B41 15MHz QPSK Low Channel 1RB



LTE B41 15MHz QPSK High Channel 1RB



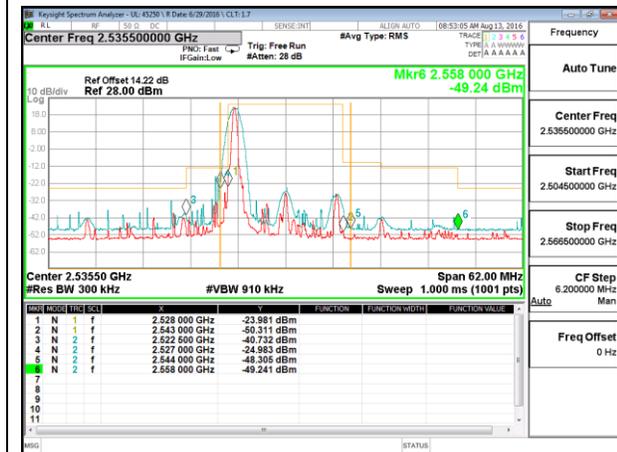
LTE B41 5MHz QPSK High Channel 1RB at 2.674GHz



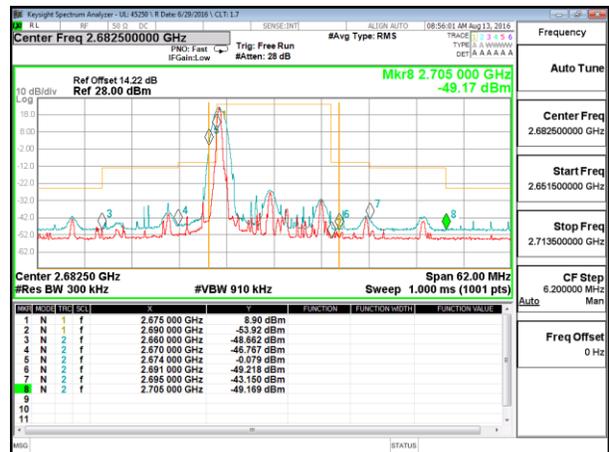
LTE B41 15MHz QPSK Low Channel FRB



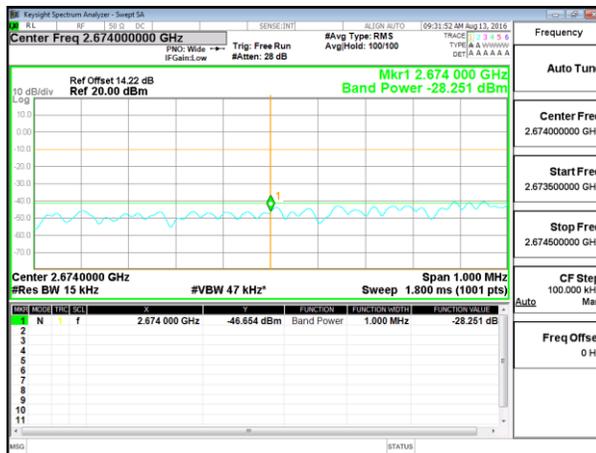
LTE B41 15MHz QPSK High Channel FRB



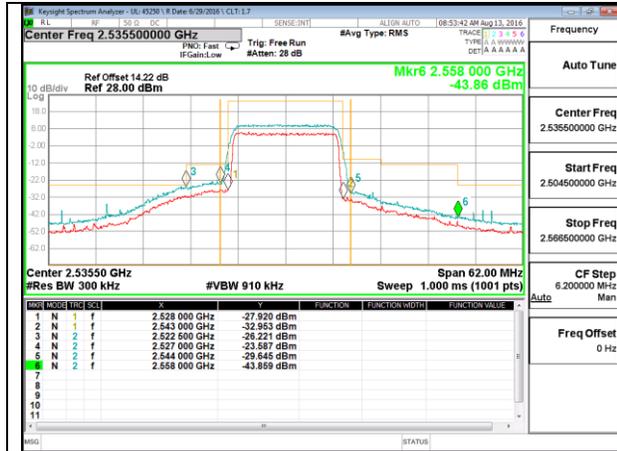
LTE B41 15MHz 16QAM Low Channel 1RB



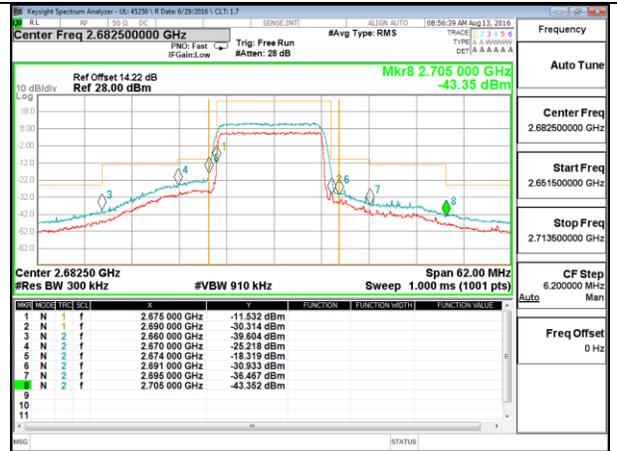
LTE B41 15MHz 16QAM High Channel 1RB



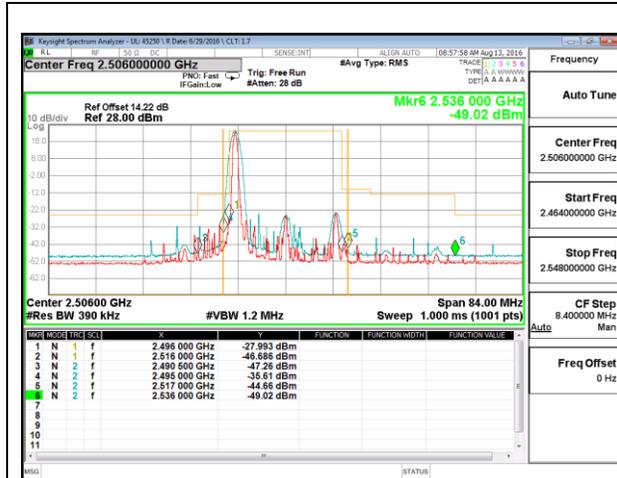
LTE B41 5MHz 16QAM High Channel 1RB at 2.674GHz



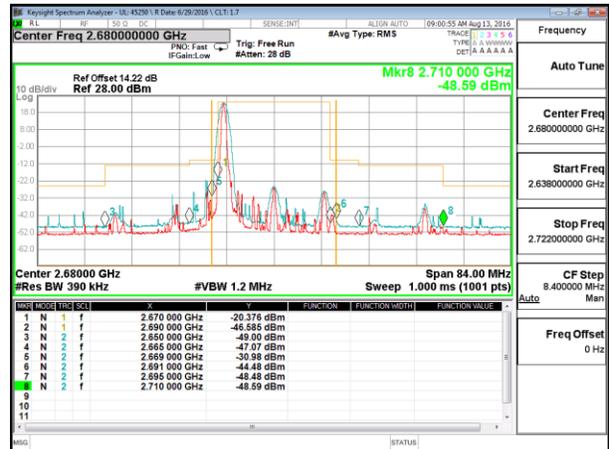
LTE B41 15MHz 16QAM Low Channel FRB



LTE B41 15MHz 16QAM High Channel FRB



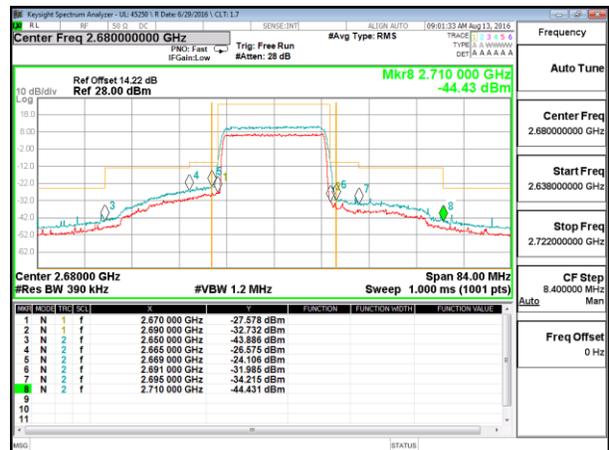
LTE B41 20MHz QPSK Low Channel 1RB



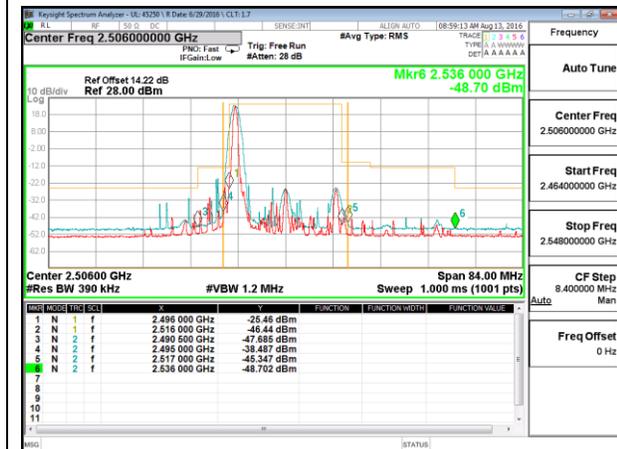
LTE B41 20MHz QPSK High Channel 1RB



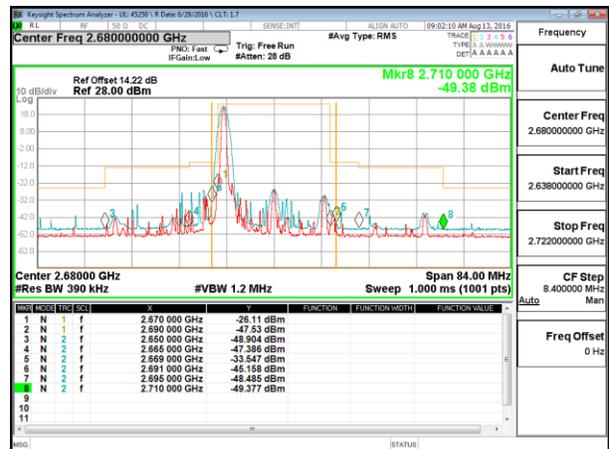
LTE B41 20MHz QPSK Low Channel FRB



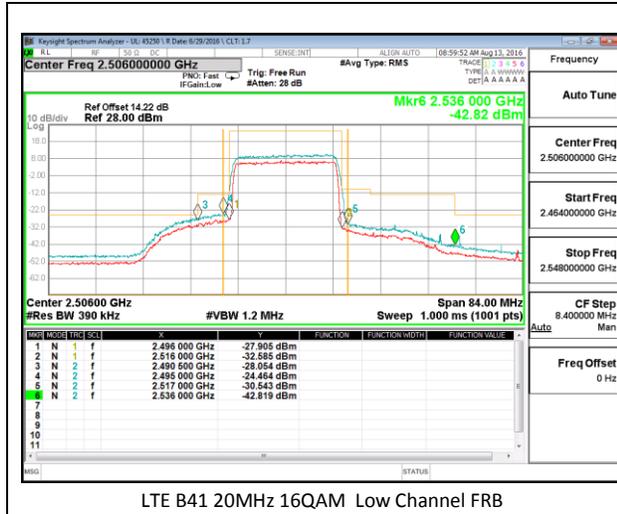
LTE B41 20MHz QPSK High Channel FRB



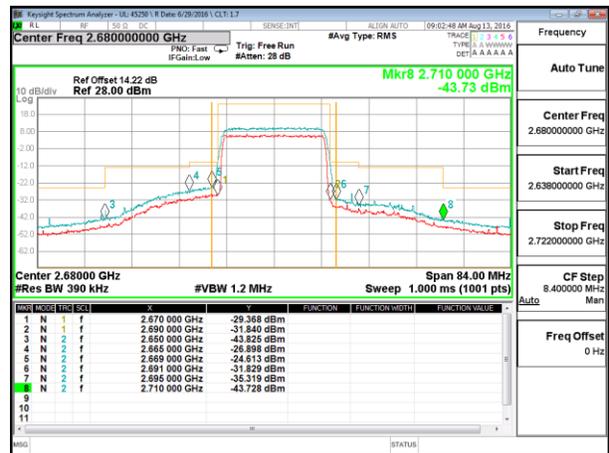
LTE B41 20MHz 16QAM Low Channel 1RB



LTE B41 20MHz 16QAM High Channel 1RB



LTE B41 20MHz 16QAM Low Channel FRB



LTE B41 20MHz 16QAM High Channel FRB

12. OUT OF BAND EMISSIONS

RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238, §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

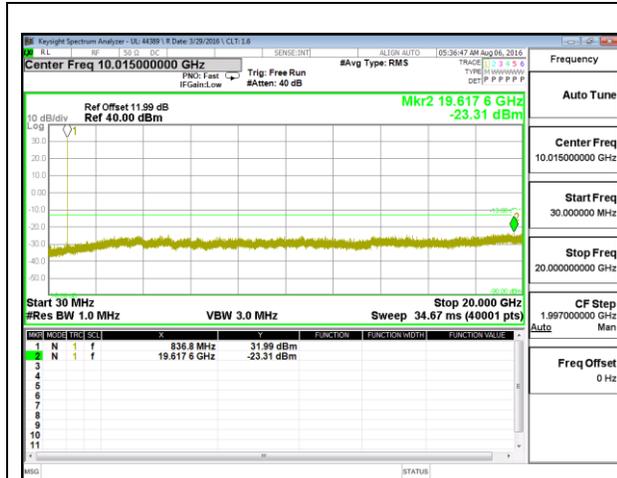
Per KDB 971168 D01 Power Meas License Digital Systems v02r02

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in a maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

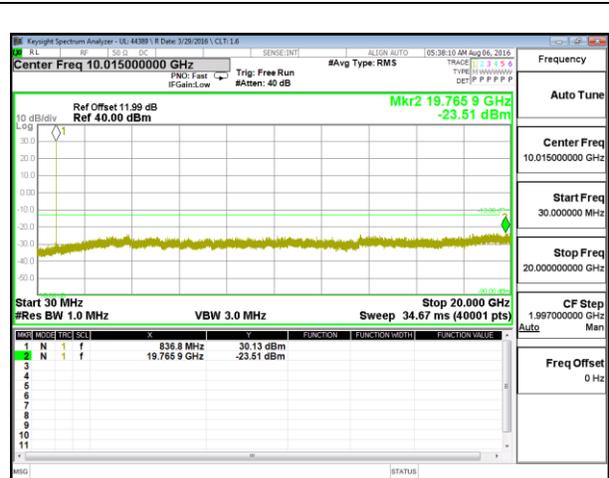
12.1. OUT OF BAND EMISSIONS RESULT AND PLOTS

GSM

Band	Mode	f (MHz)	Spur (dBm)	Spec (dBm)	Delta (dB)
GSM850	GPRS	824.2	-23.47	-13	-10.47
		836.6	-23.31	-13	-10.31
		848.8	-23.20	-13	-10.20
	EGPRS	824.2	-23.58	-13	-10.58
		836.6	-23.51	-13	-10.51
		848.8	-23.26	-13	-10.26
GSM1900	GPRS	1850.2	-21.96	-13	-8.96
		1880	-22.64	-13	-9.64
		1909.8	-22.73	-13	-9.73
	EGPRS	1850.2	-21.92	-13	-8.92
		1880	-22.85	-13	-9.85
		1909.8	-23.04	-13	-10.04



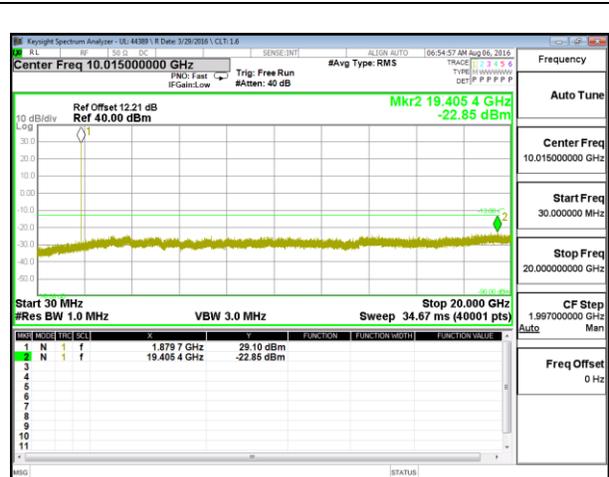
GSM850 GPRS Middle Channel



GSM850 EGPRS Middle Channel



GSM1900 GPRS Middle Channel



GSM1900 EGPRS Middle Channel