

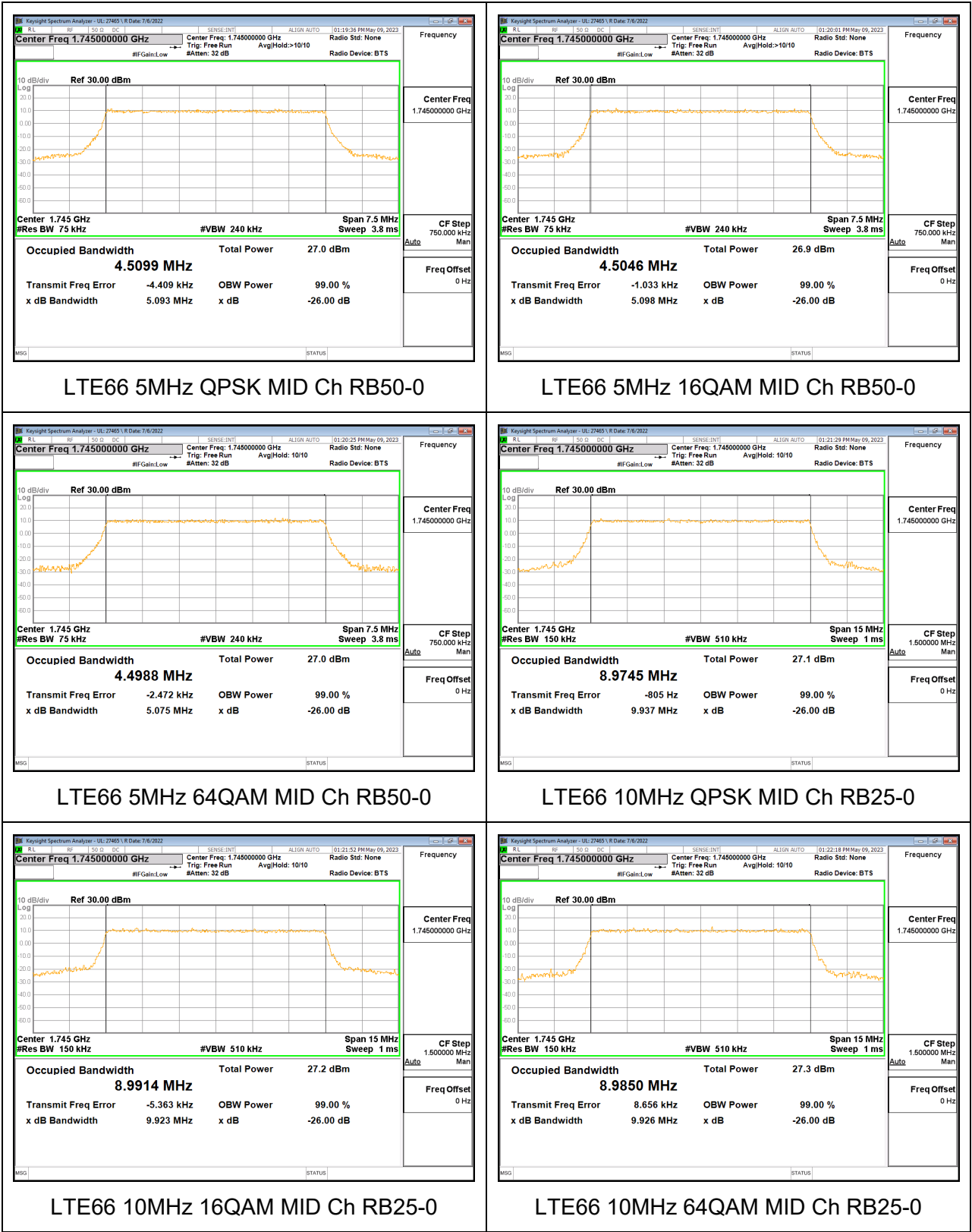


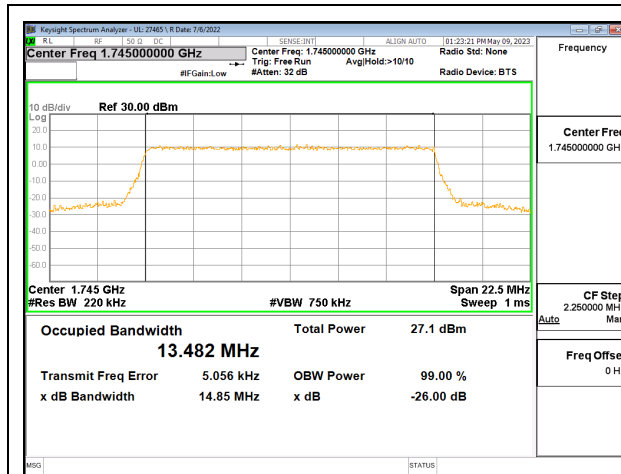
9.1.8. LTE66

Test Engineer ID:	27465/44389	Test Date:	2023-05-09 2023-06-26	EUT Serial Number:	QV77008AG9
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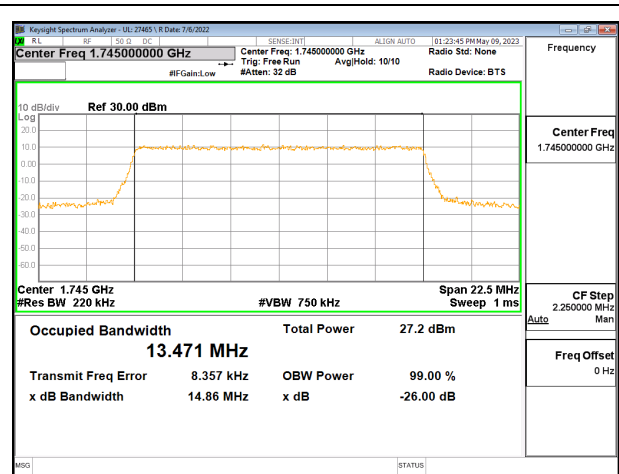
Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 66	1.4MHz, QPSK	6/0	1745.0	1.091	1.322
	1.4MHz, 16QAM			1.093	1.373
	1.4MHz, 64QAM			1.090	1.348
	3MHz, QPSK	15/0		2.708	3.031
	3MHz, 16QAM			2.710	3.032
	3MHz, 64QAM			2.701	3.032
	5MHz, QPSK	25/0		4.510	5.093
	5MHz, 16QAM			4.505	5.098
	5MHz, 64QAM			4.499	5.075
	10MHz, QPSK	50/0		8.975	9.937
	10MHz, 16QAM			8.991	9.923
	10MHz, 64QAM			8.985	9.926
	15MHz, QPSK	75/0		13.482	14.85
	15MHz, 16QAM			13.471	14.86
	15MHz, 64QAM			13.45	14.92
	20MHz, QPSK	100/0		17.954	18.88
	20MHz, 16QAM			17.982	19.46
	20MHz, 64QAM			17.941	19.71



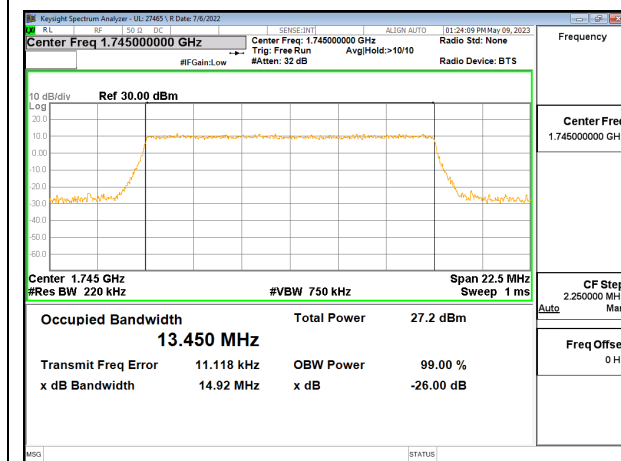




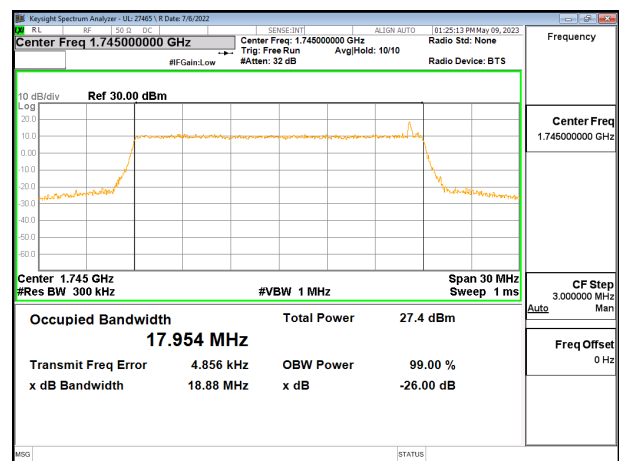
LTE66 15MHz QPSK MID Ch RB100-0



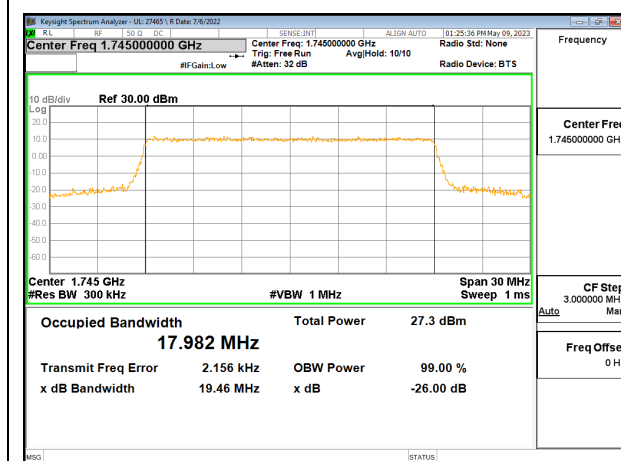
LTE66 15MHz 16QAM MID Ch RB100-0



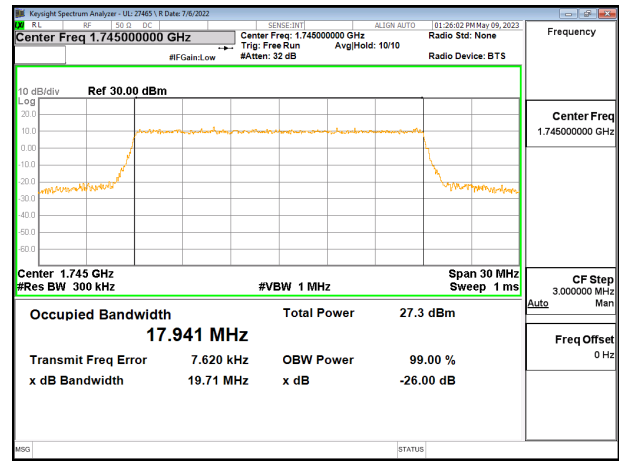
LTE66 15MHz 64QAM MID Ch RB100-0



LTE66 20MHz QPSK MID Ch RB75-0



LTE66 20MHz 16QAM MID Ch RB75-0



LTE66 20MHz 64QAM MID Ch RB75-0

9.2. OUT OF BAND EMISSIONS

LIMITS

FCC: §22.917, §24.238, §27.53 (g), §27.53 (m), §27.53(h)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

FCC: §27.53 (c), (f)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts. The band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotopically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

Note: Radiated data in section 9.1.6 confirms a compliance for the emissions in GPS 1559 - 1610 MHz band were wideband emissions therefore the -40 dBm / MHz limit was used.

TEST PROCEDURE

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 maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

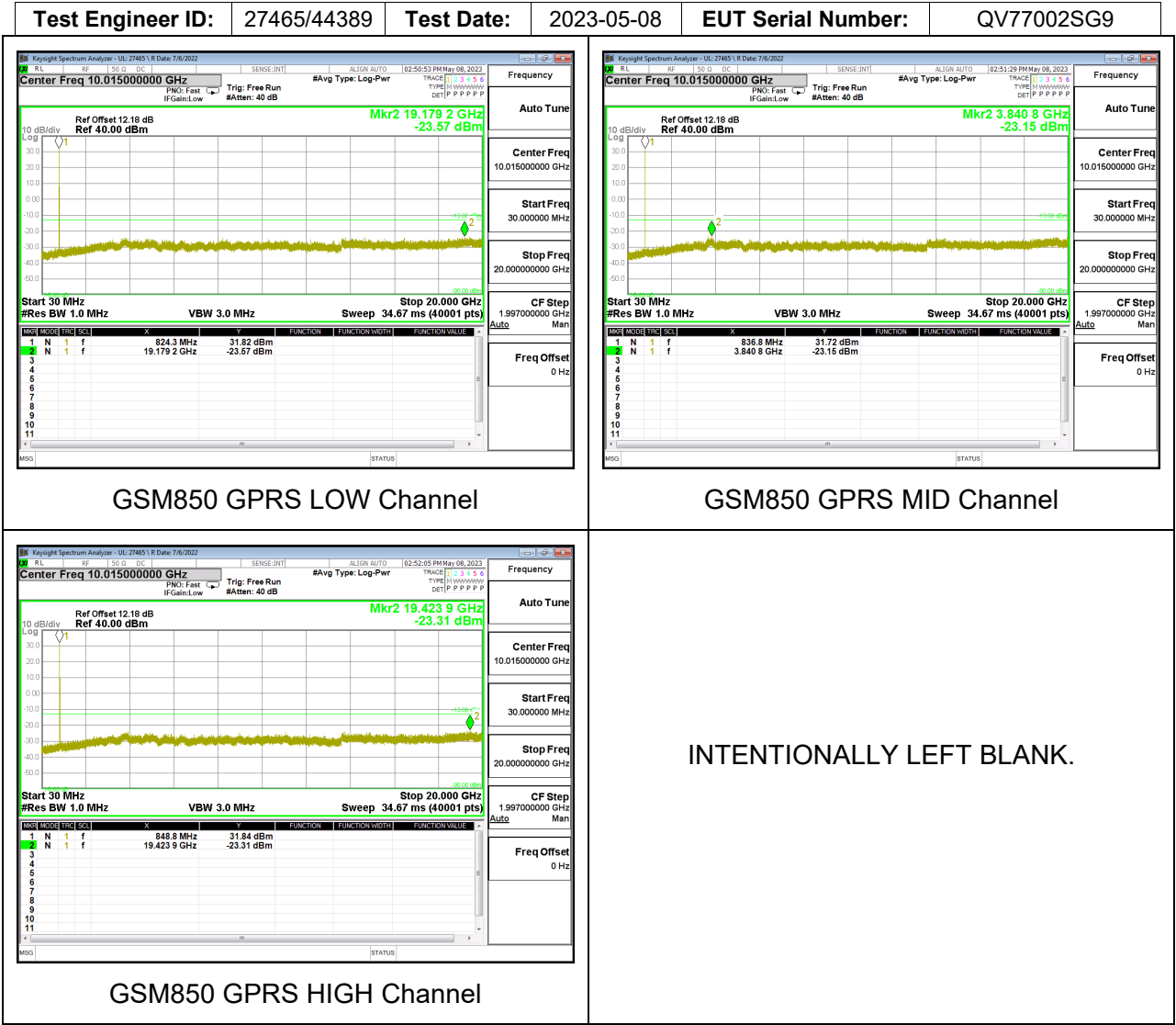
For each out of band emissions measurement:

- (i) Set display line at -13 dBm, -25 dBm according to the band Limit
- (ii) Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz. (NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

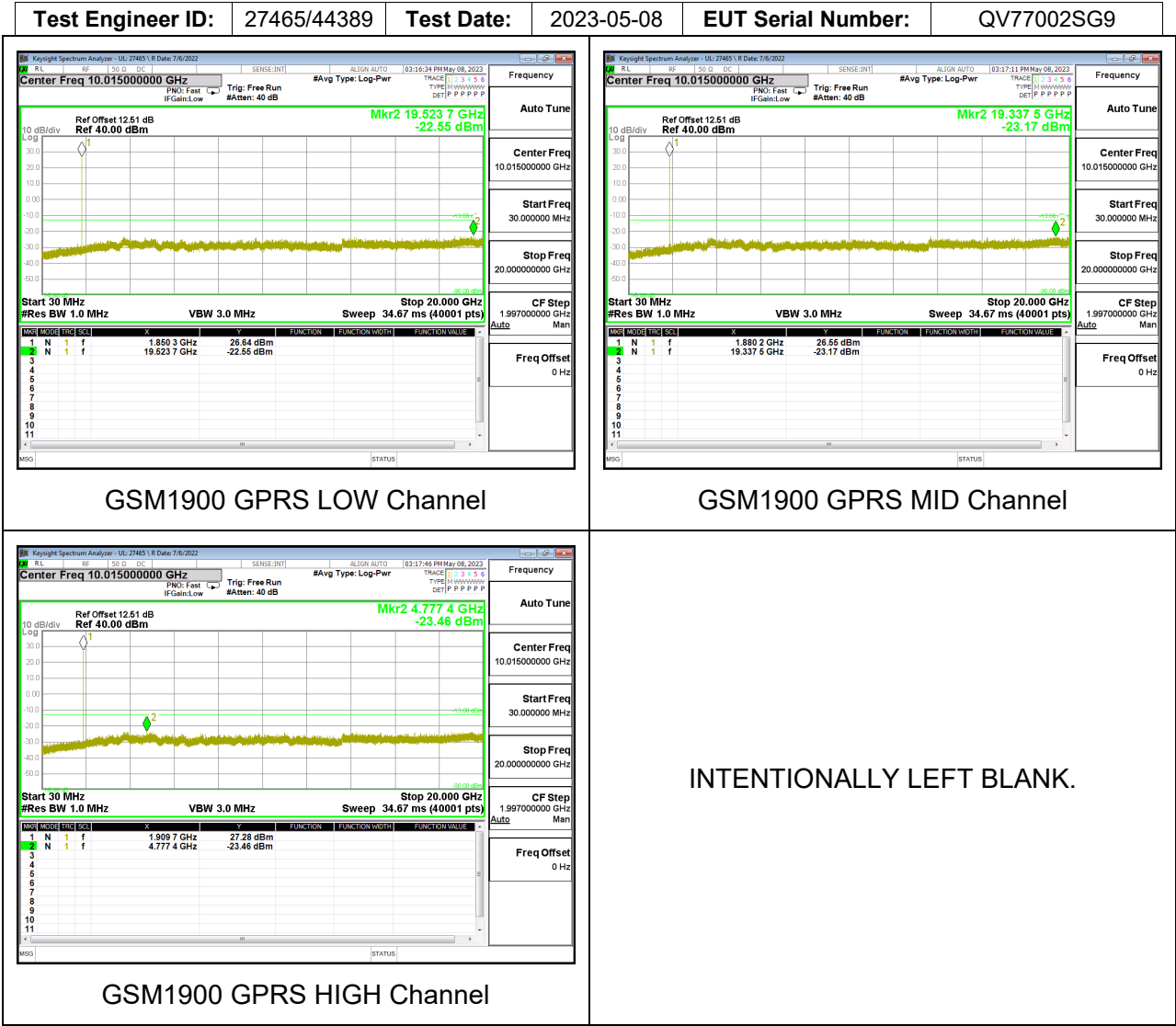
RESULTS

Note: Only Worst Case mode is reported.

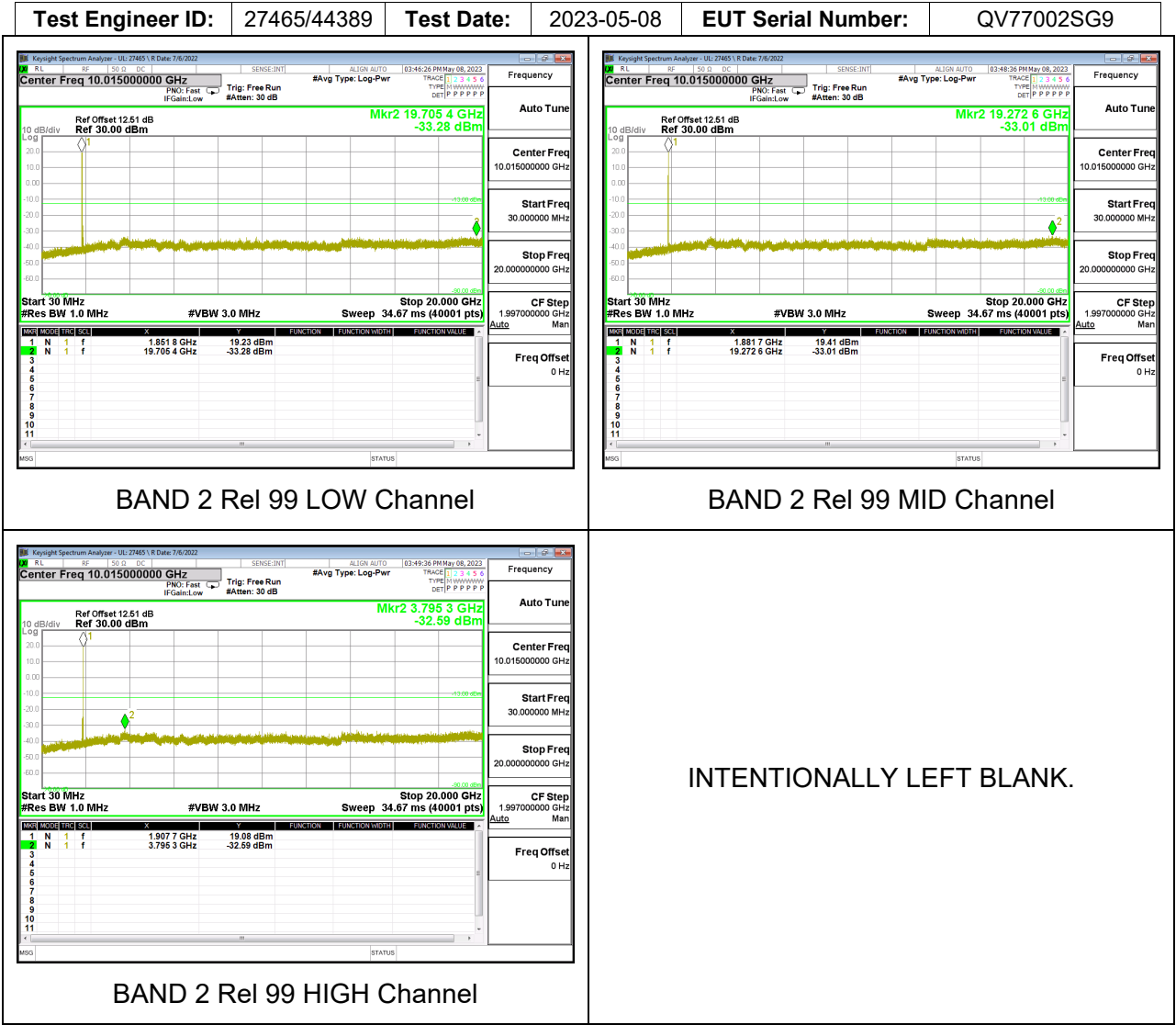
9.2.1. GSM GSM850



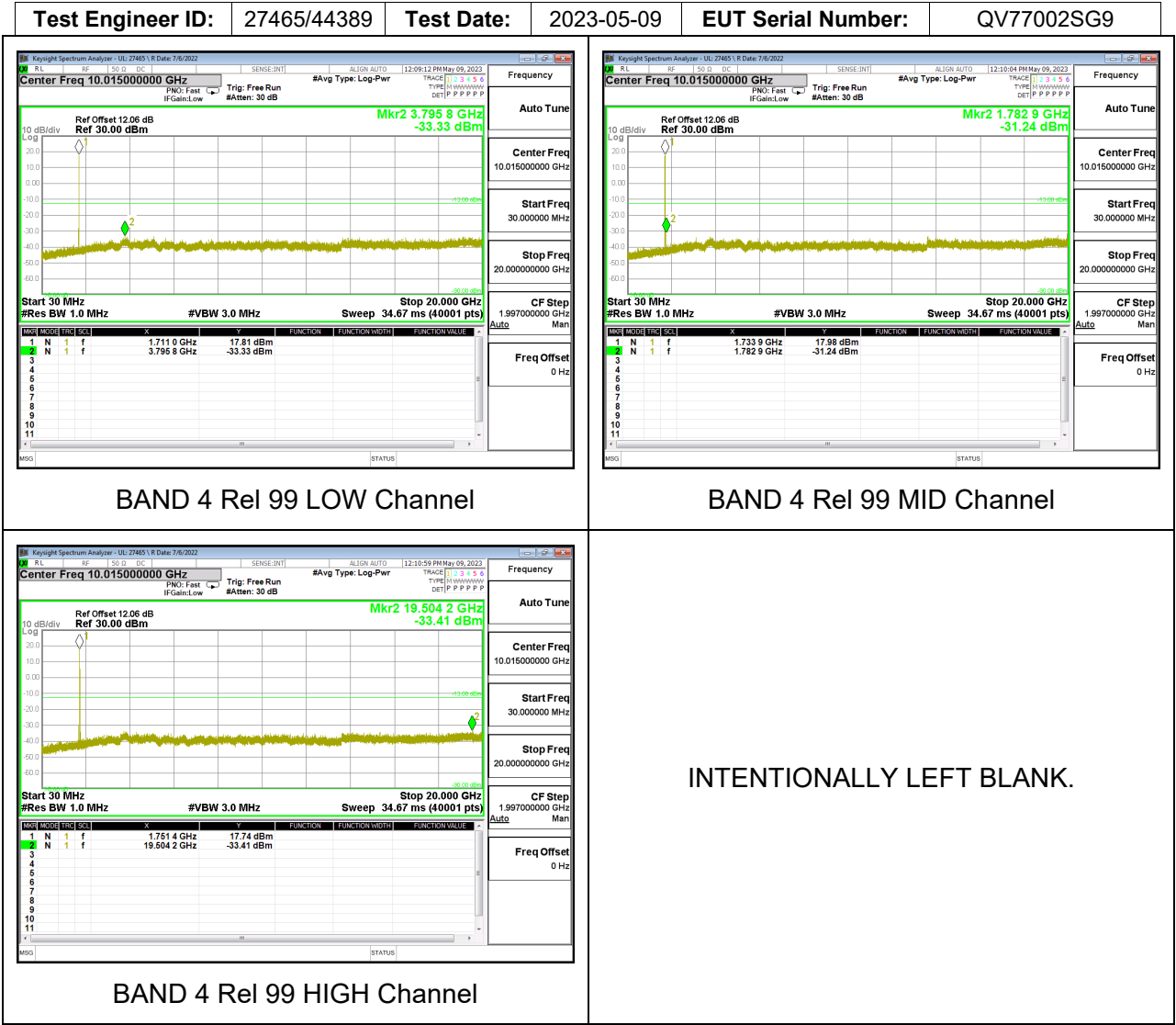
9.2.2. GSM GSM1900



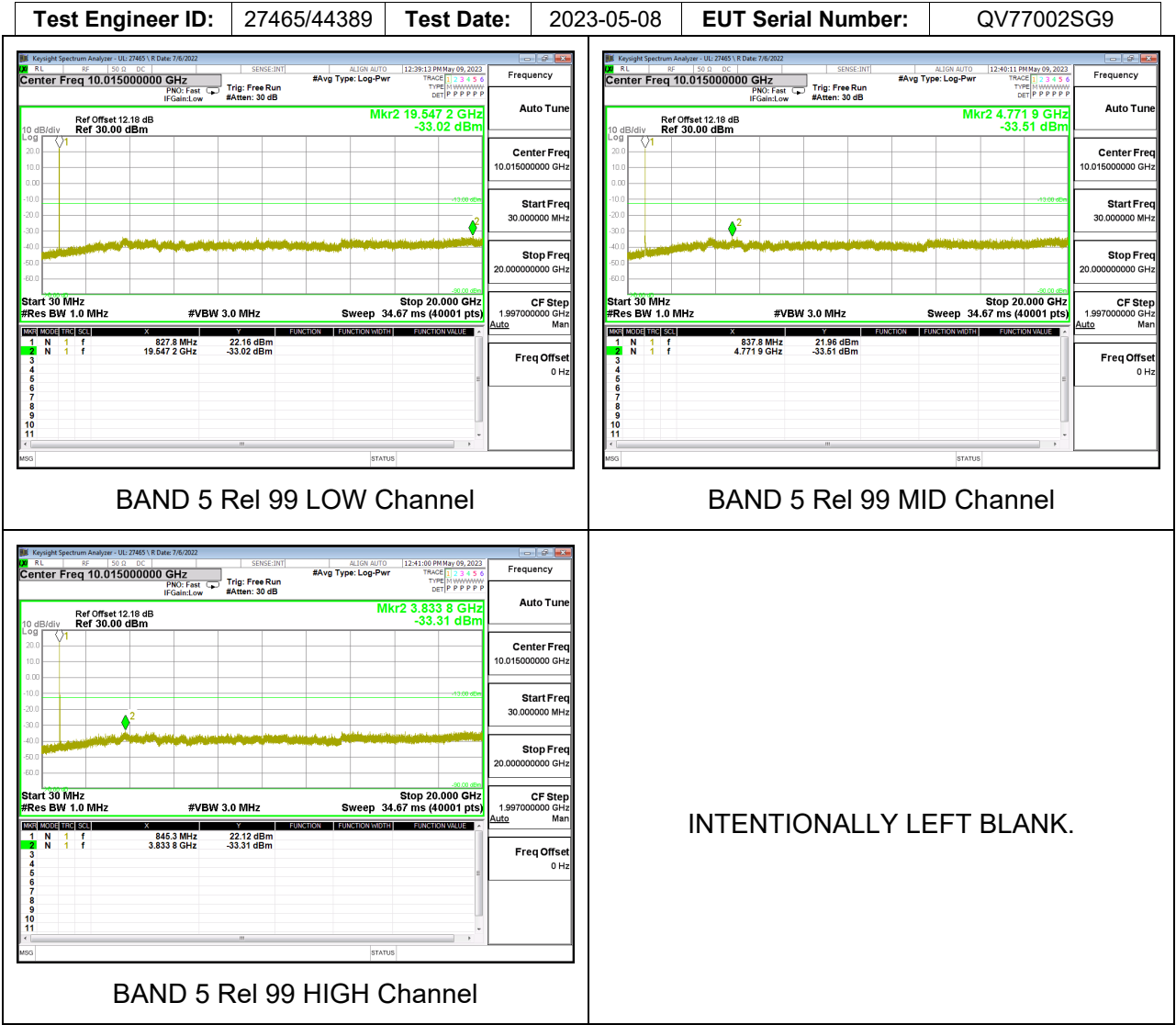
9.2.3. WCDMA BAND 2



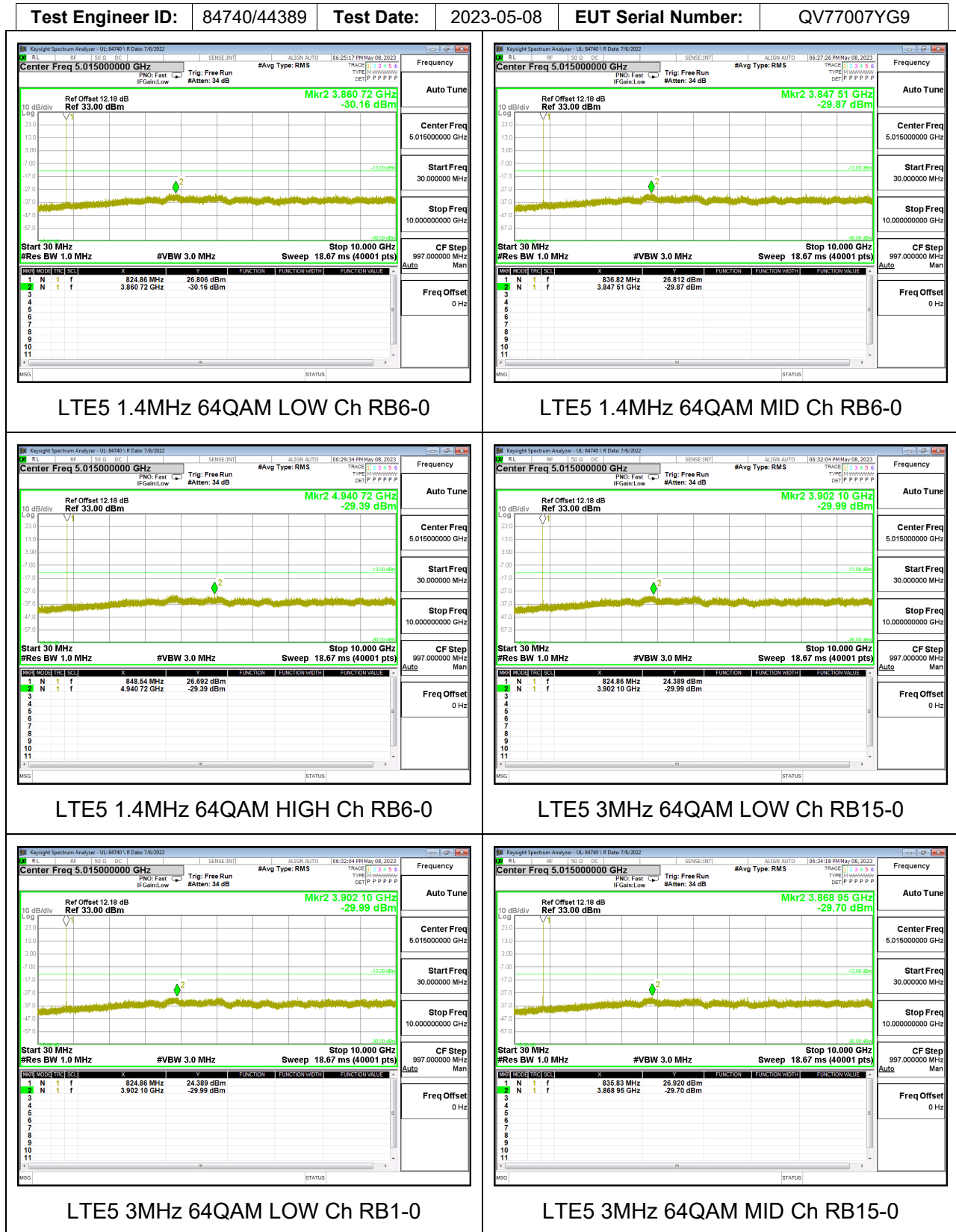
9.2.4. WCDMA BAND 4

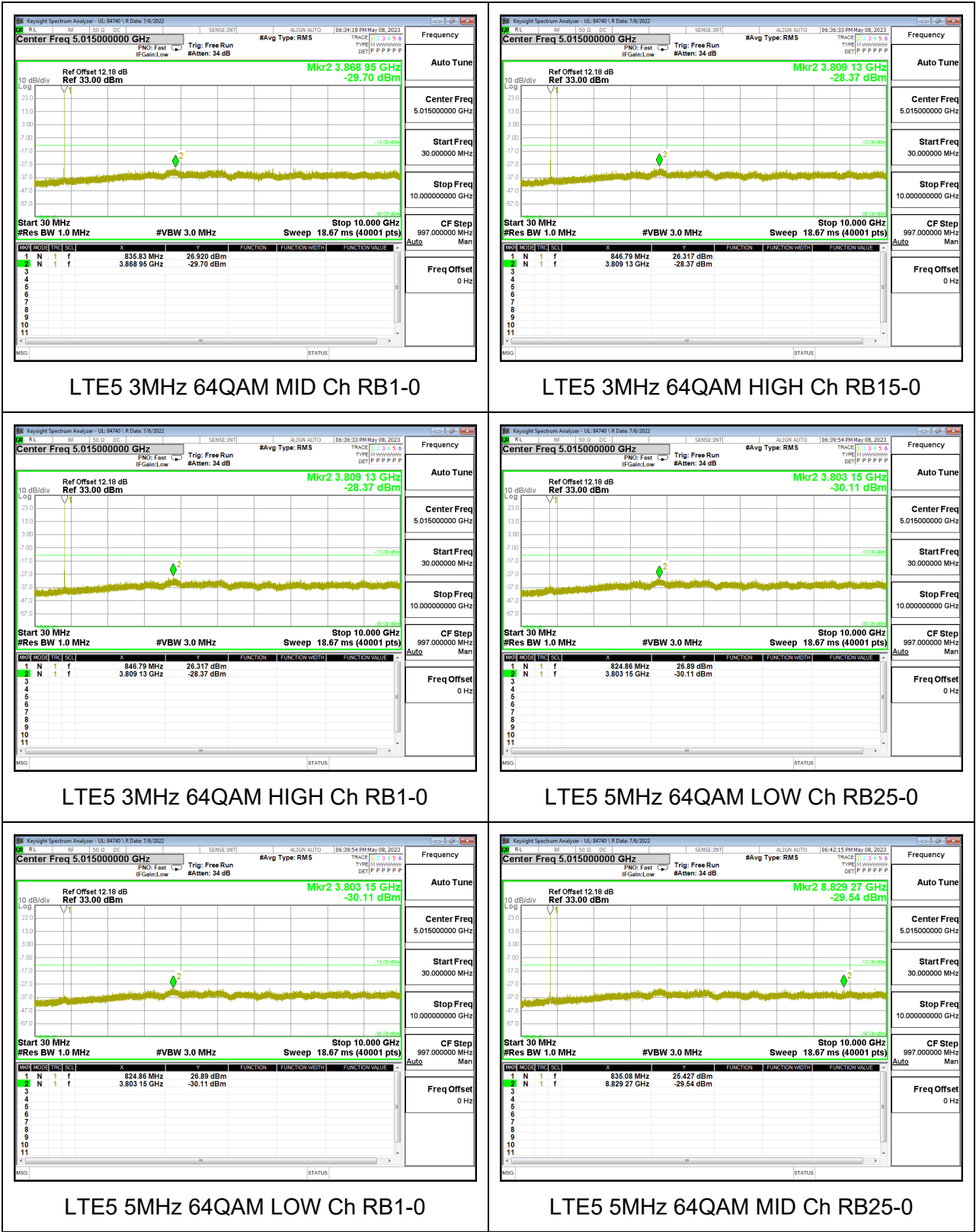


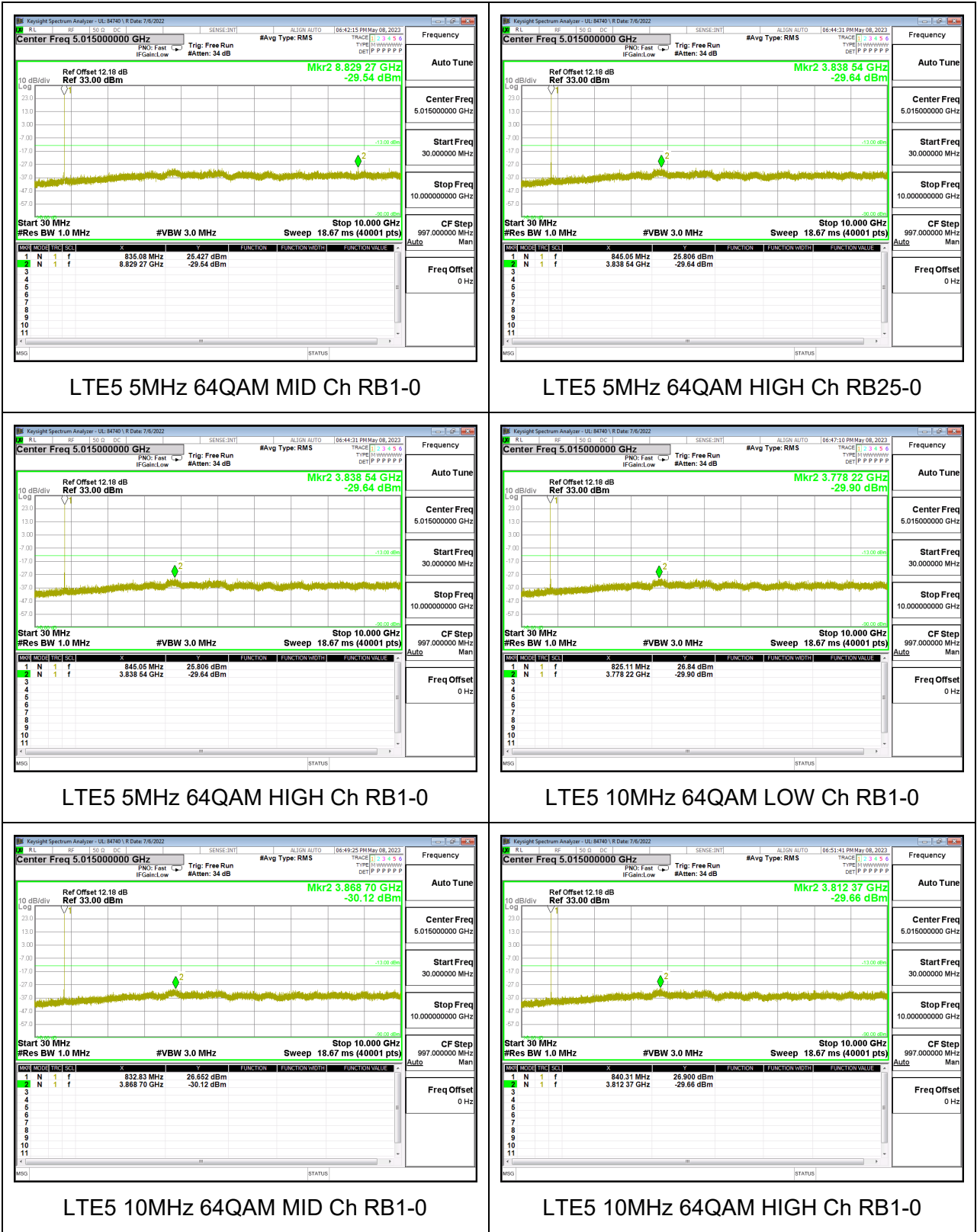
9.2.5. WCDMA BAND 5



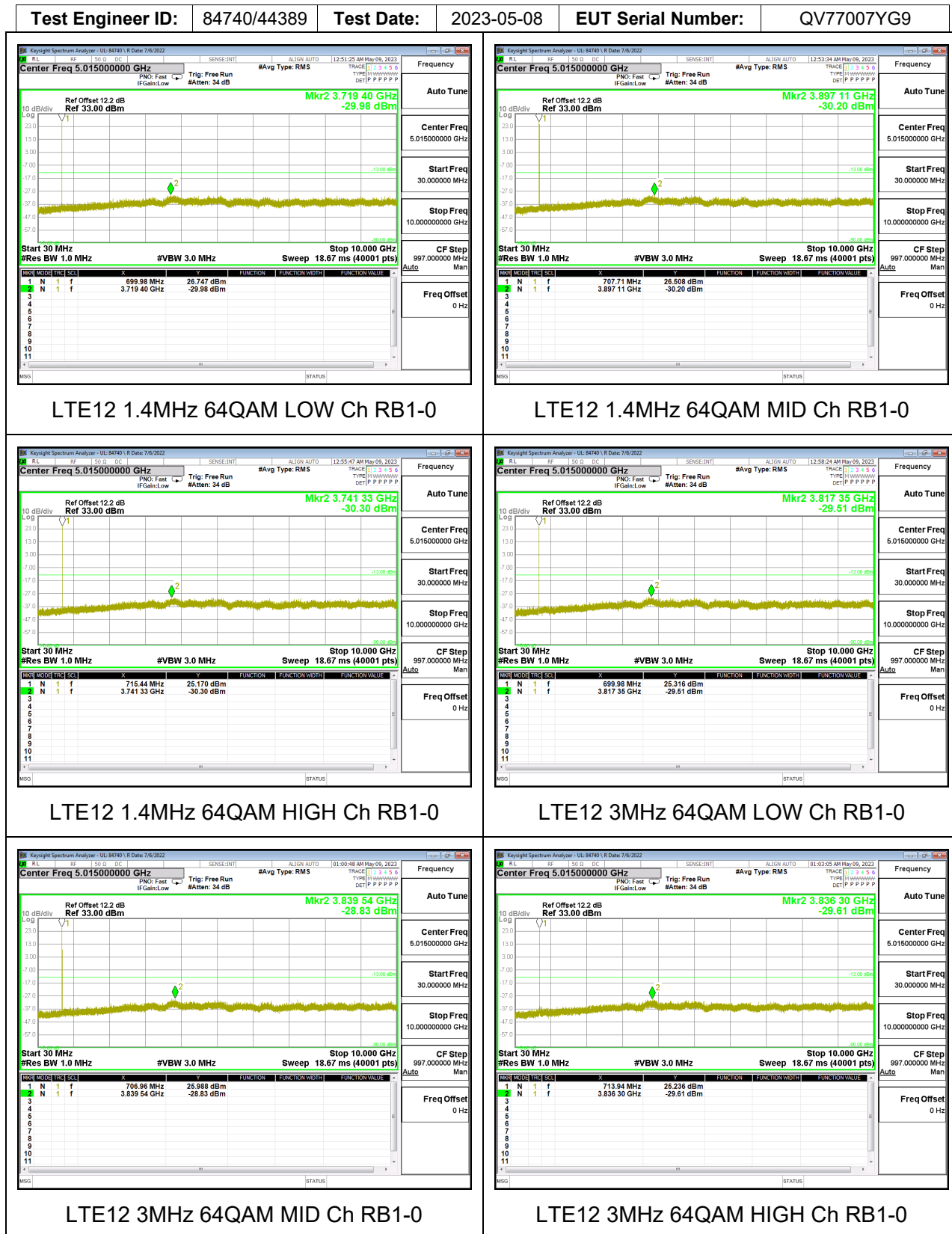
9.2.6. LTE5

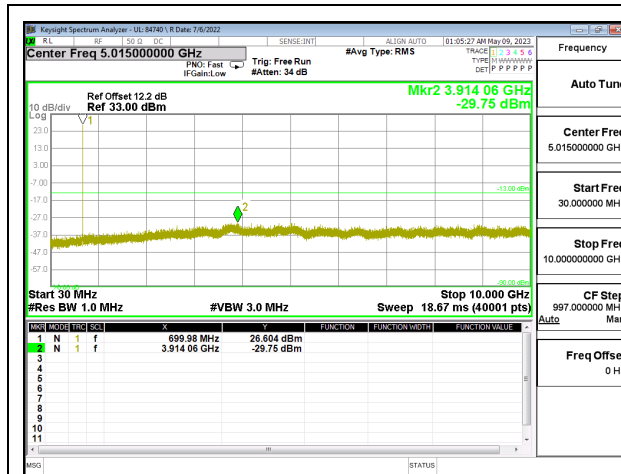




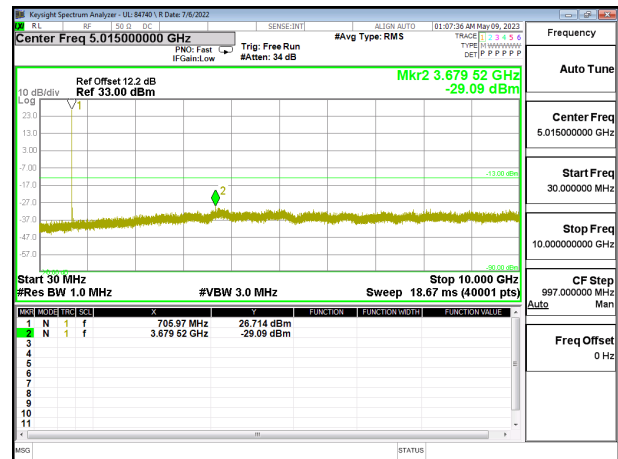


9.2.7. LTE12

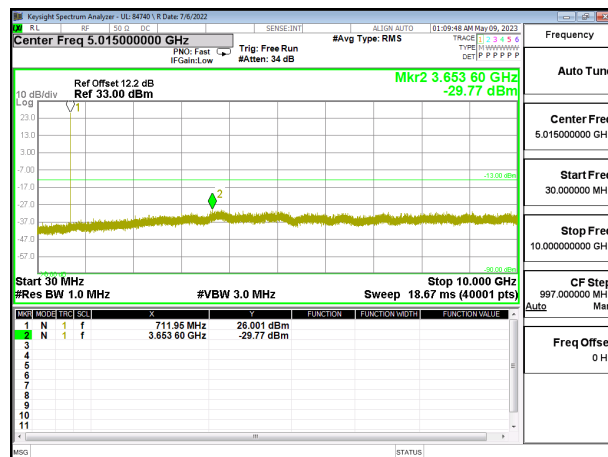




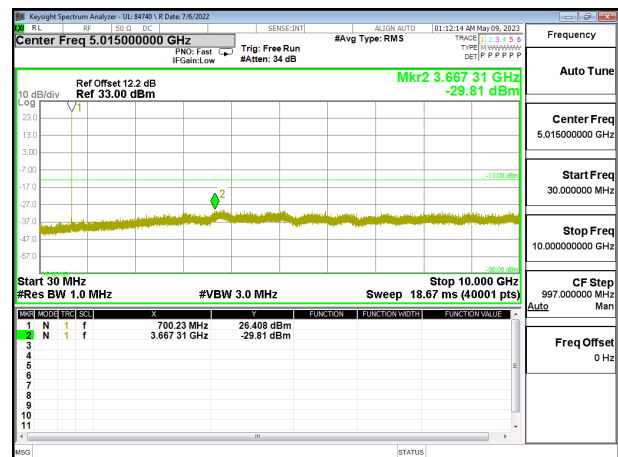
LTE12 5MHz 64QAM LOW Ch RB1-0



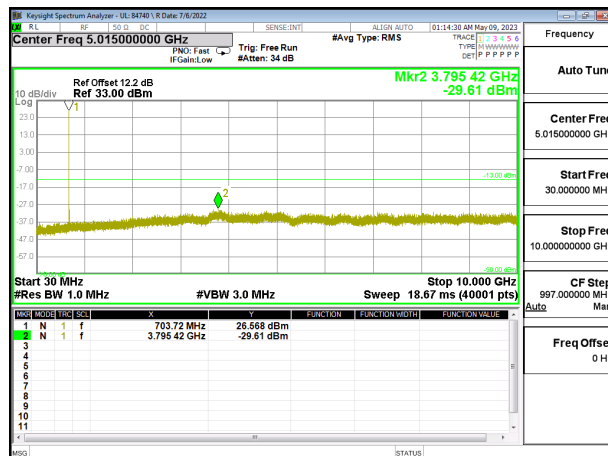
LTE12 5MHz 64QAM MID Ch RB1-0



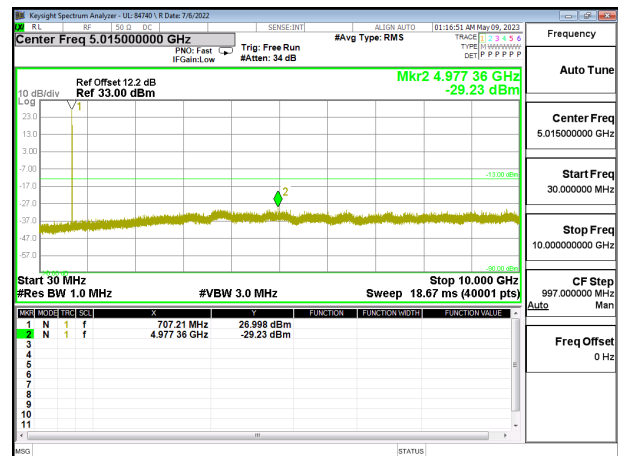
LTE12 5MHz 64QAM HIGH Ch RB1-0



LTE12 10MHz 64QAM LOW Ch RB1-0

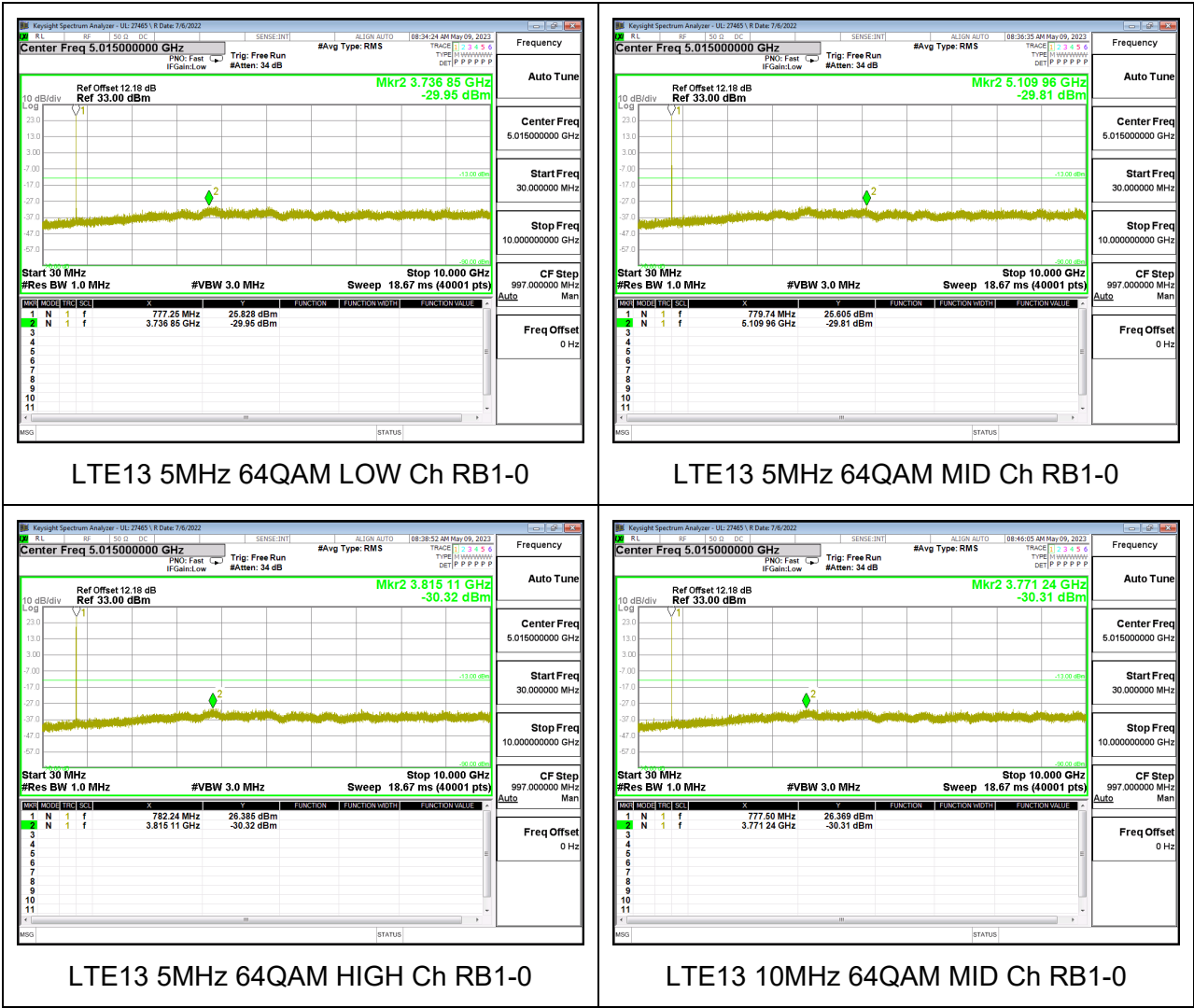


LTE12 10MHz 64QAM MID Ch RB1-0



LTE12 10MHz 64QAM HIGH Ch RB1-0

9.2.8. LTE13



9.2.9. LTE25

