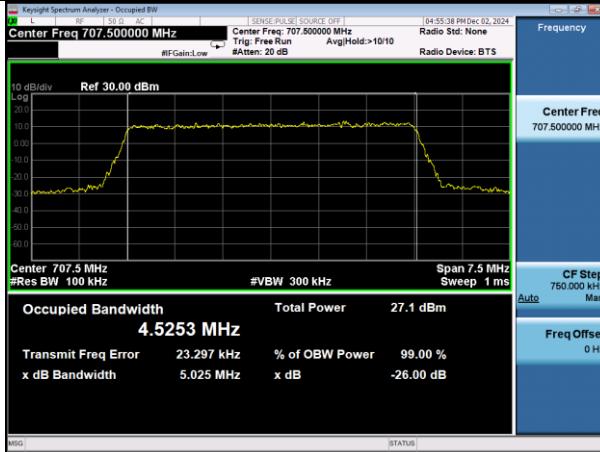


Test Mode: LTE Band 12
Channel Bandwidth: 5MHz



Test Mode: LTE Band 12
Channel Bandwidth: 10MHz



QPSK



QPSK



16-QAM

16-QAM

Test Mode: LTE Band 13
Channel Bandwidth: 5MHz



Test Mode: LTE Band 13
Channel Bandwidth: 10MHz



QPSK



QPSK



16-QAM

16-QAM

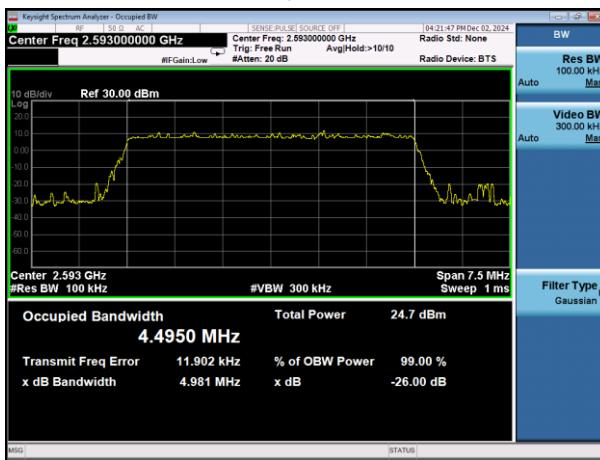
Test Mode: LTE Band 41
Channel Bandwidth: 5MHz



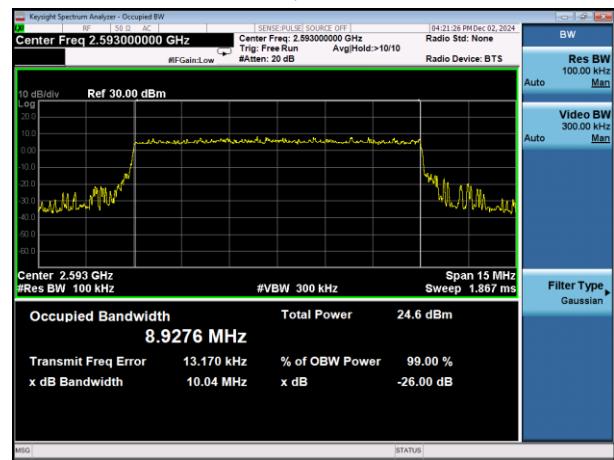
Test Mode: LTE Band 41
Channel Bandwidth: 10MHz



QPSK



QPSK



16-QAM

16-QAM

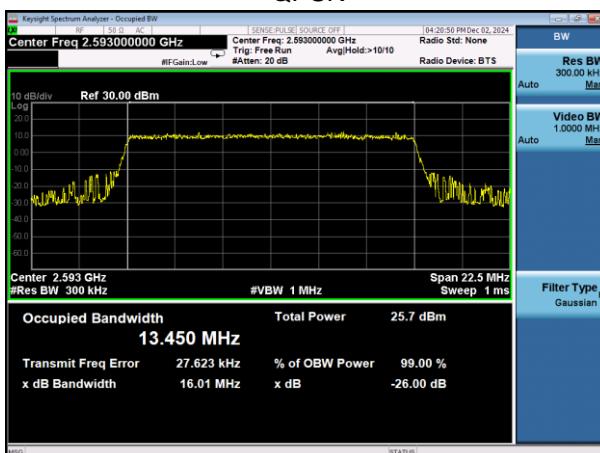
Test Mode: LTE Band 41
Channel Bandwidth: 15MHz



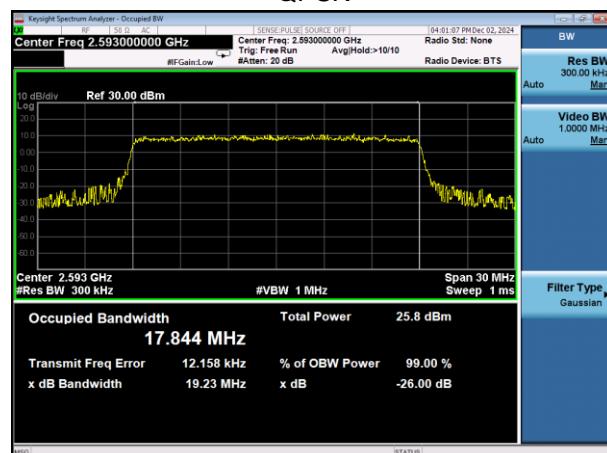
Test Mode: LTE Band 41
Channel Bandwidth: 20MHz



QPSK



QPSK



16-QAM

Note: All bandwidth and modulation are tested, only the worst results are reported.

16-QAM

4.6 MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 24E & Part 27 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

4.7 Out of band emission at antenna terminals

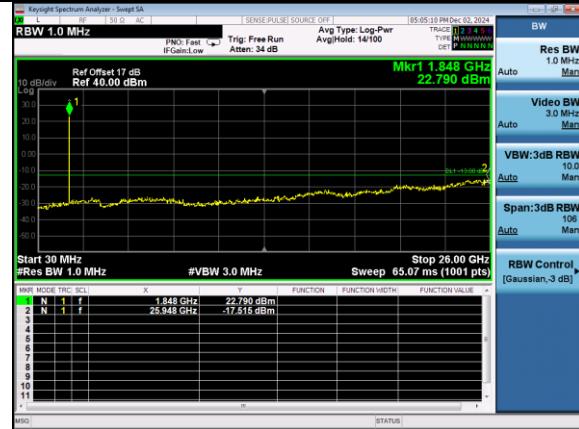
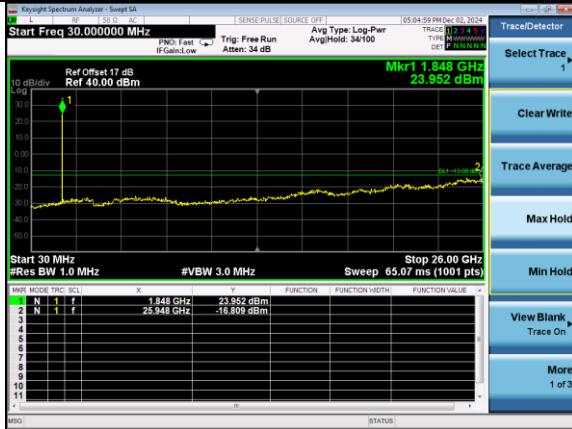
Test Requirement:	FCC part22.913(a), FCC part24.238(a), FCC part27.53(h) and FCC part27.53(m)
Test Method:	ANSI C63.26:2015
Limit:	-13dBm Band 7/41: -25dBm
Test setup:	<p><i>Note: Measurement setup for testing on Antenna connector</i></p>
Test Procedure:	<ol style="list-style-type: none"> 1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic. 3 For the out of band: Set the RBW=1MHz, VBW = 3MHz, Start=30MHz, Stop= 10th harmonic. 4 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass

Test plot as follows:

Conducted Spurious Emission:

Test Mode: LTE Band 2 / 1.4MHz /1RB

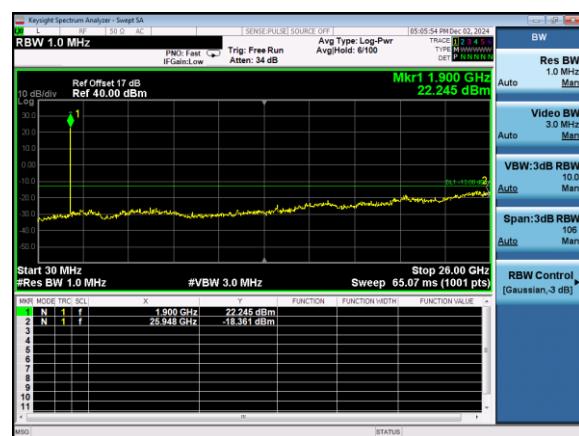
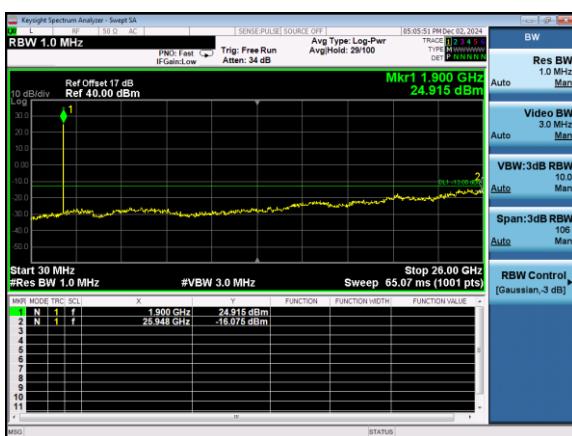
Test Mode: LTE Band 2 / 1.4MHz /6 RB



Lowest channel

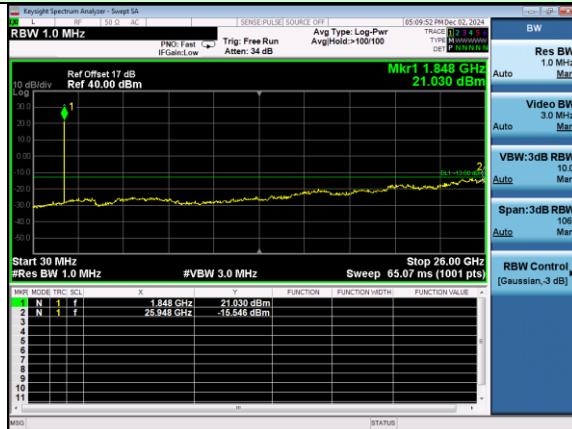


Middle channel

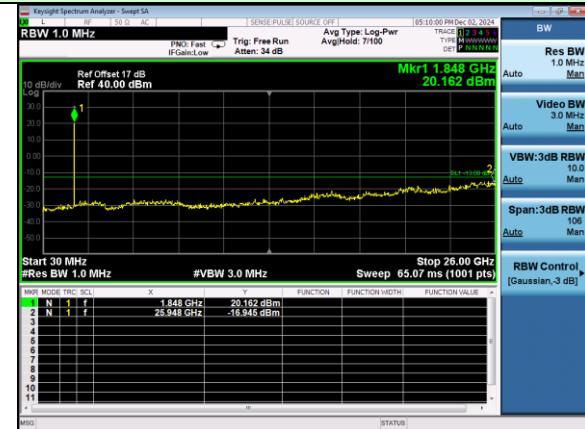


Highest channel

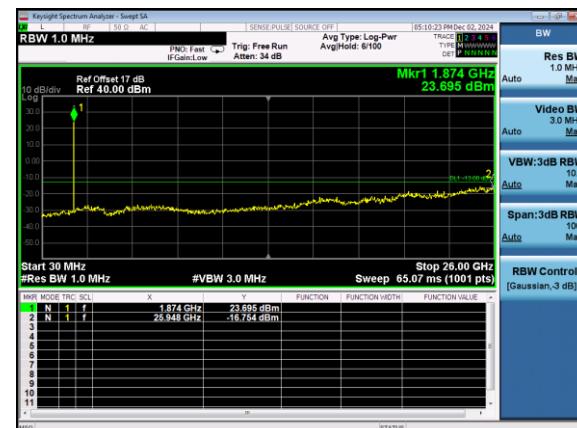
Test Mode: LTE Band 2 / 3MHz /1RB



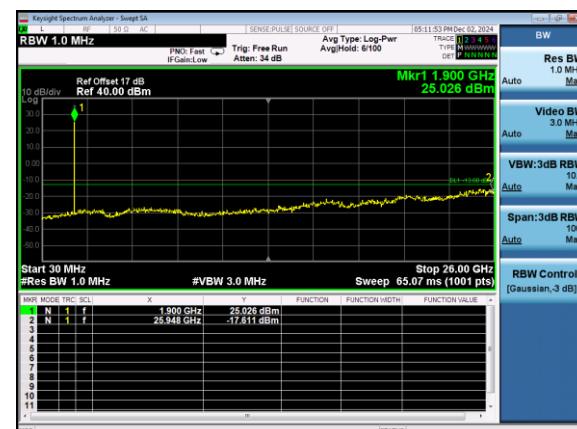
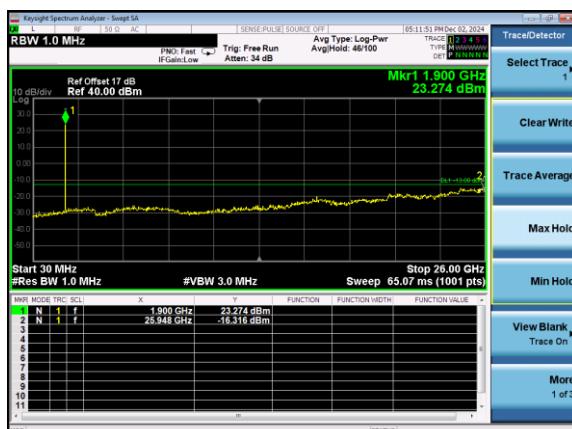
Test Mode: LTE Band 2 / 3MHz /15RB



Lowest channel

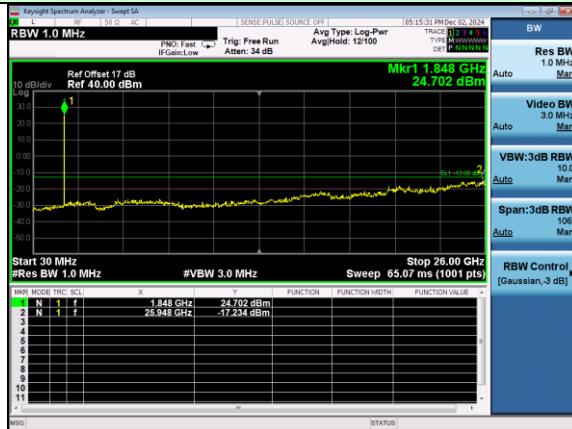


Middle channel

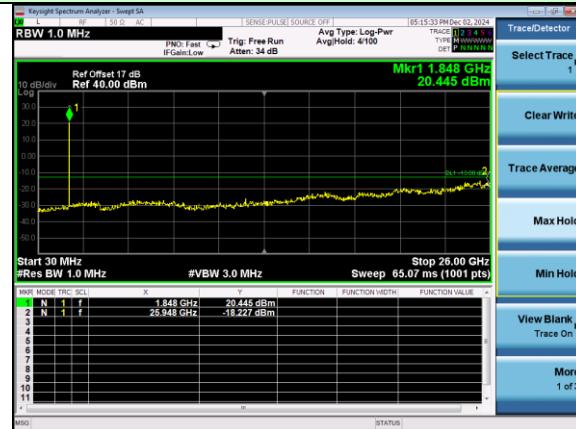


Highest channel

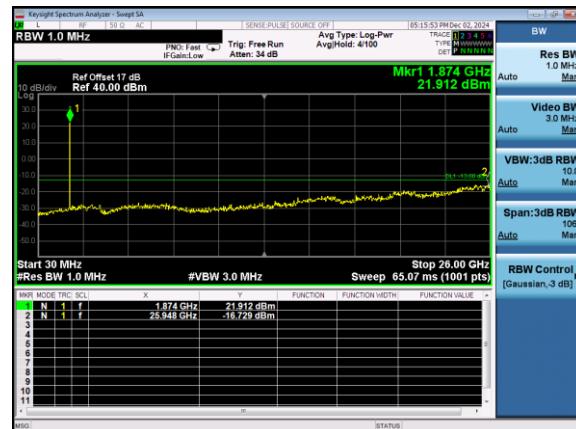
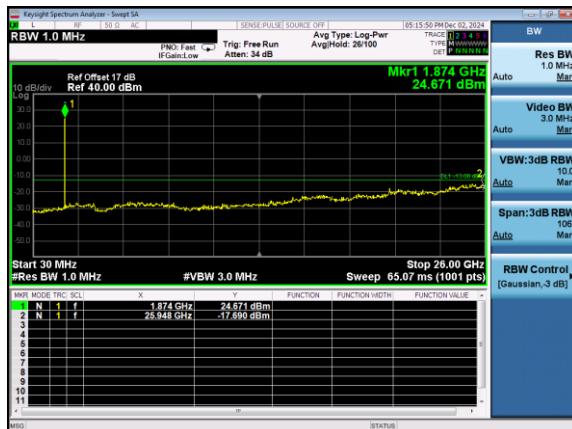
Test Mode: LTE Band 2 / 5MHz /1RB



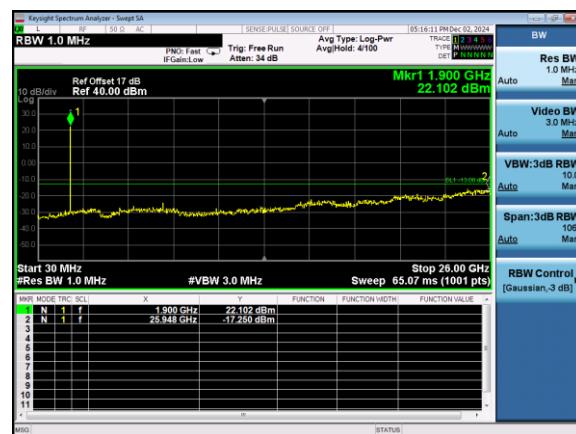
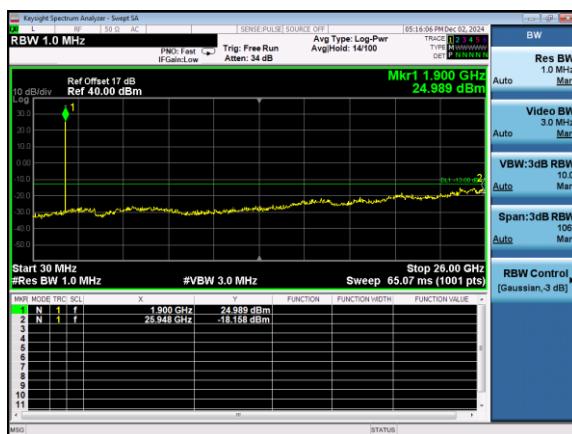
Test Mode: LTE Band 2 / 5MHz /25RB



Lowest channel

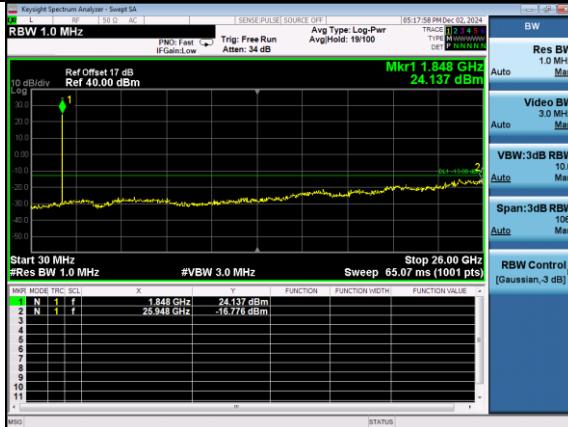


Middle channel

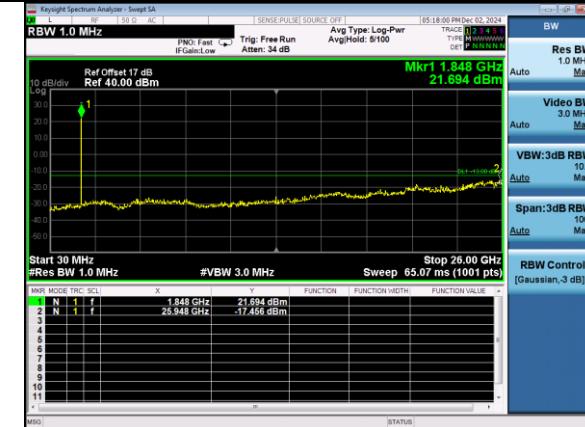


Highest channel

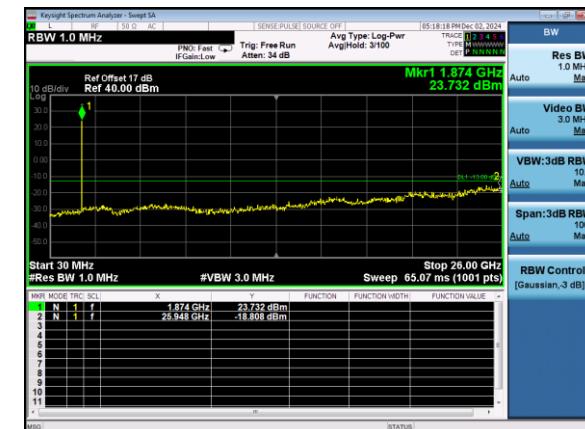
Test Mode: LTE Band 2 / 10MHz /1RB



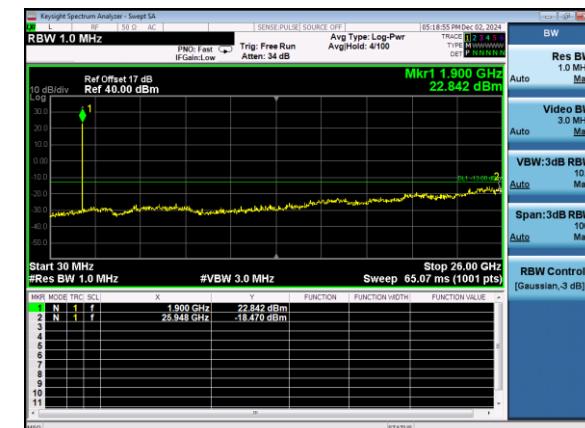
Test Mode: LTE Band 2 / 10MHz /50RB



Lowest channel

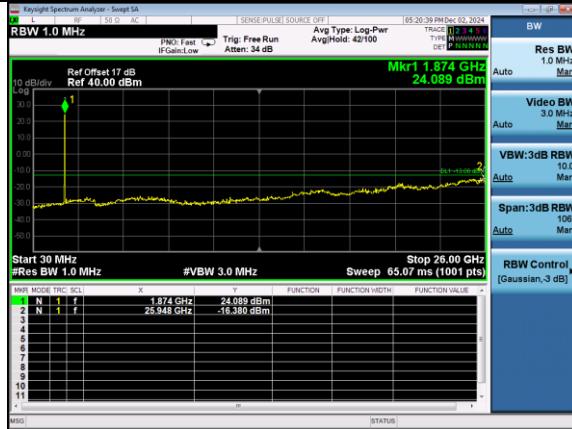


Middle channel

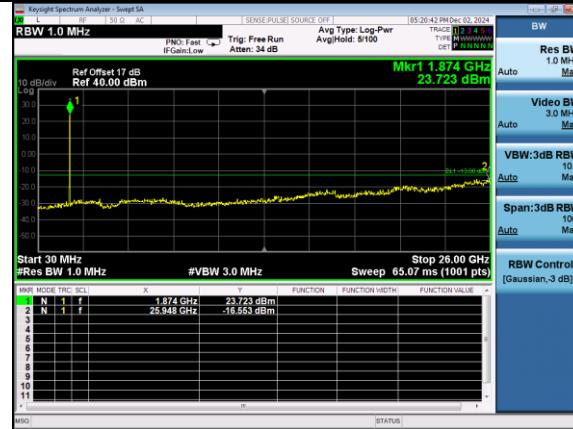


Highest channel

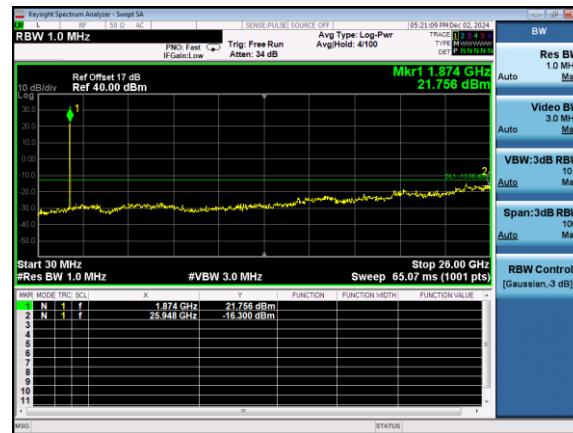
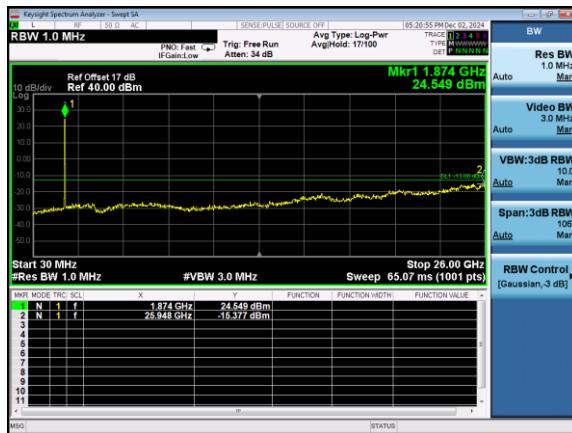
Test Mode: LTE Band 2 / 15MHz /1RB



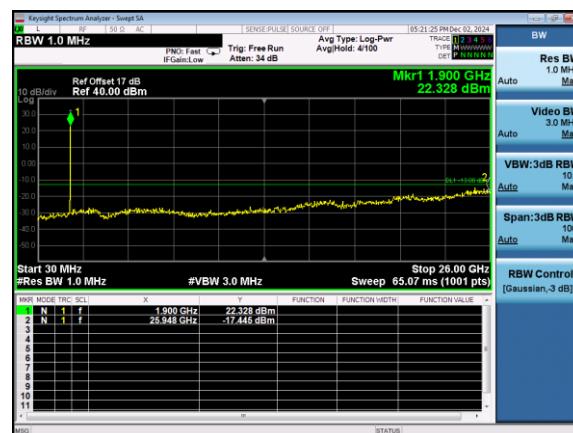
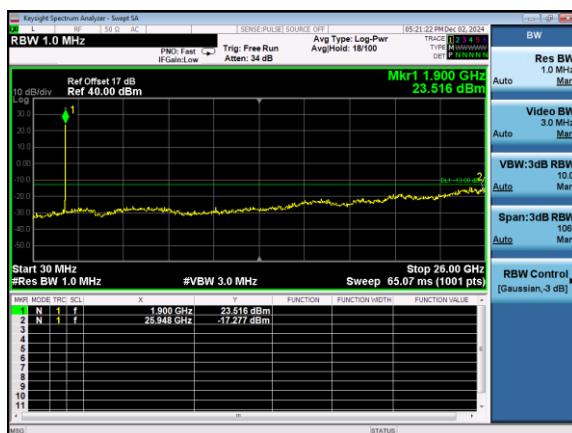
Test Mode: LTE Band 2 / 15MHz /75RB



Lowest channel

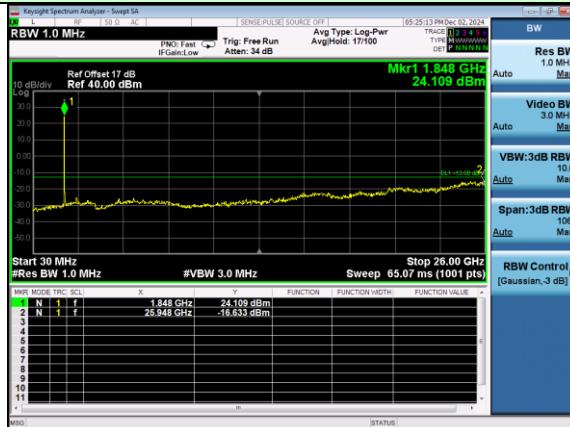


Middle channel

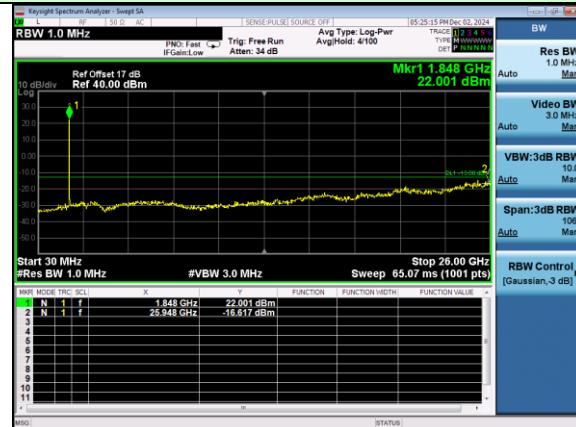


Highest channel

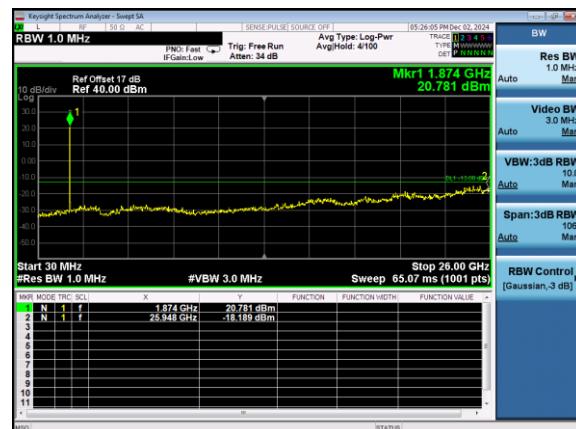
Test Mode: LTE Band 2 / 20MHz /1RB



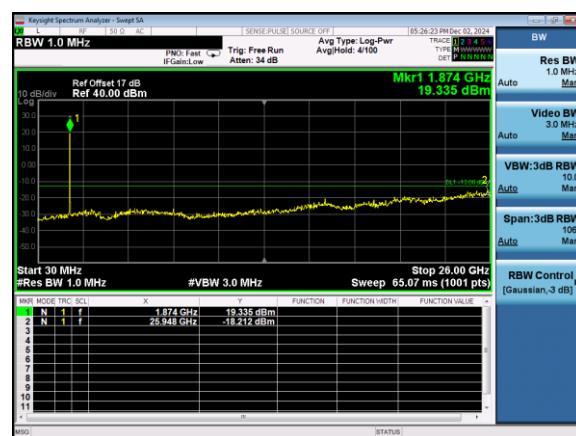
Test Mode: LTE Band 2 / 20MHz /100RB



Lowest channel

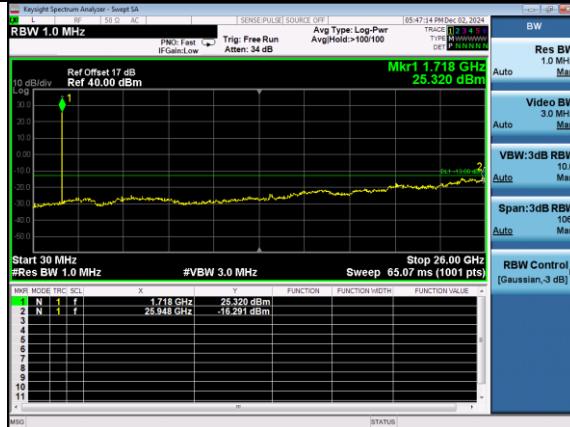


Middle channel



Highest channel

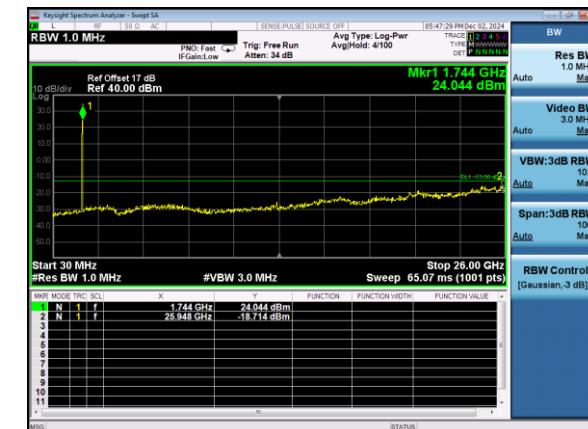
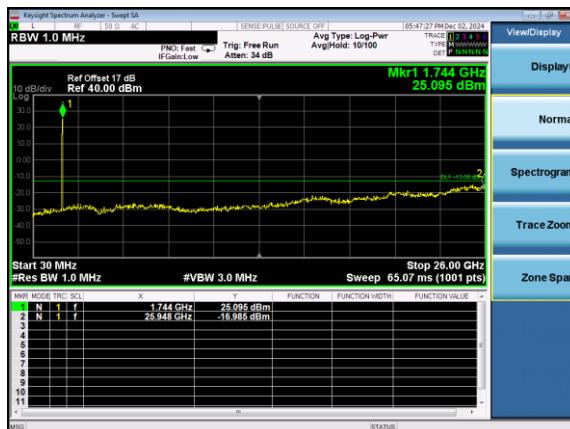
Test Mode: LTE Band 4 / 1.4MHz /1RB



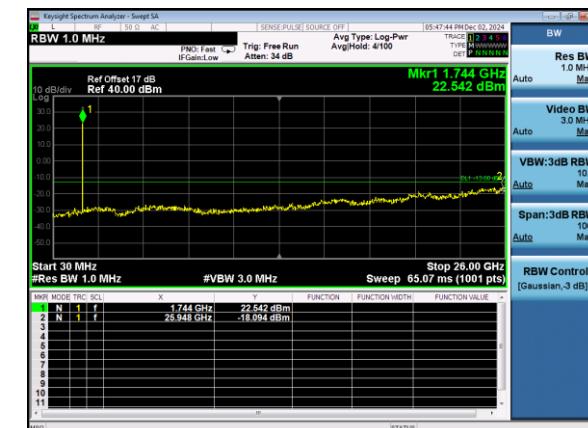
Test Mode: LTE Band 4 / 1.4MHz /6RB



Lowest channel

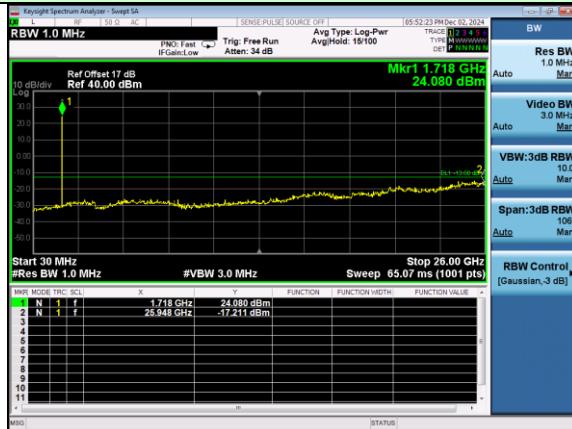


Middle channel

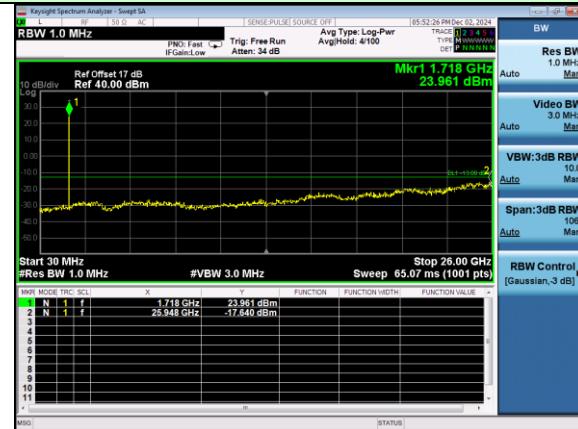


Highest channel

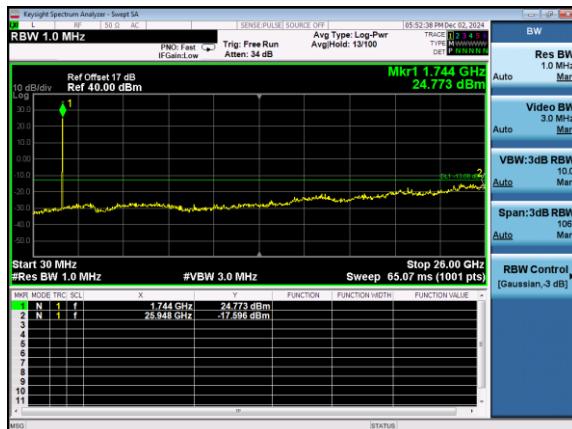
Test Mode: LTE Band 4 / 3MHz /1RB



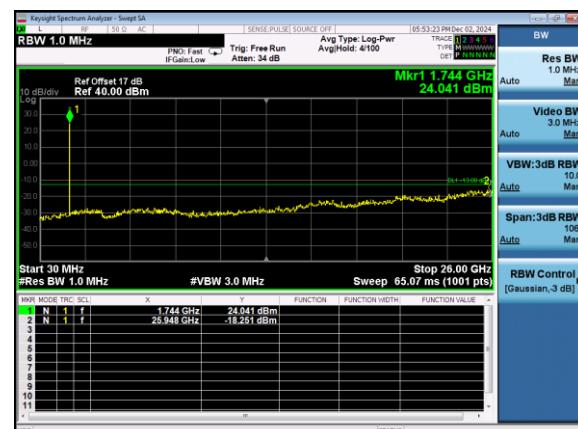
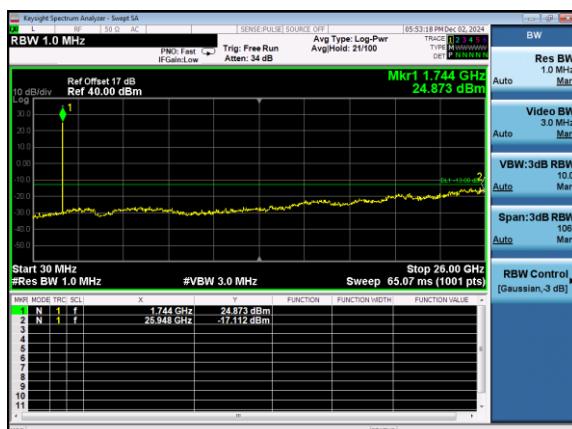
Test Mode: LTE Band 4 / 3MHz /15RB



Lowest channel



Middle channel



Highest channel