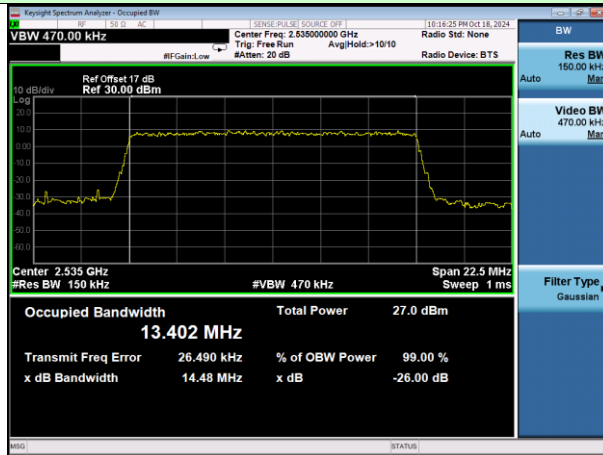
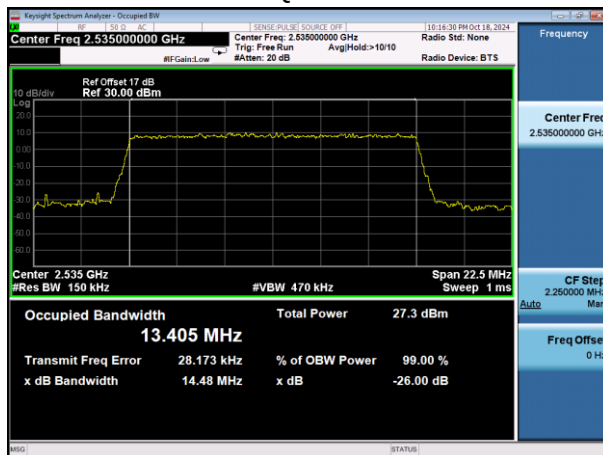


Test Mode: LTE Band 7
Channel Bandwidth: 15MHz

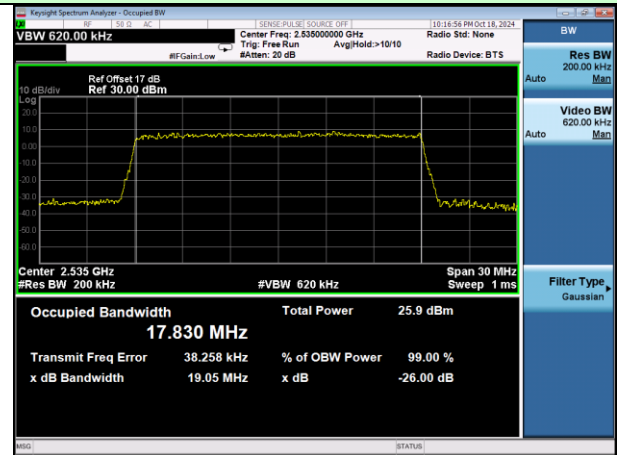


QPSK

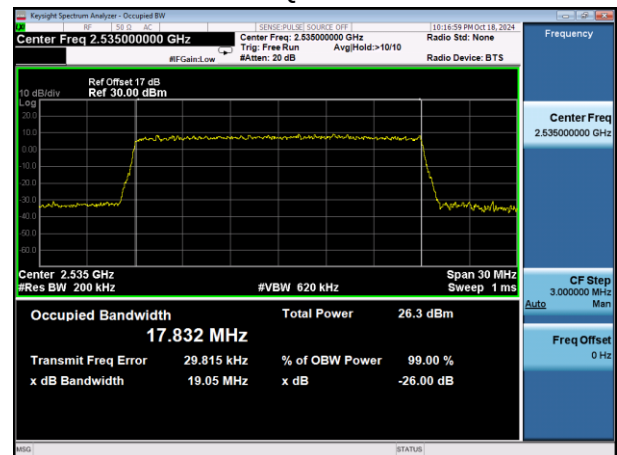


16-QAM

Test Mode: LTE Band 7
Channel Bandwidth: 20MHz

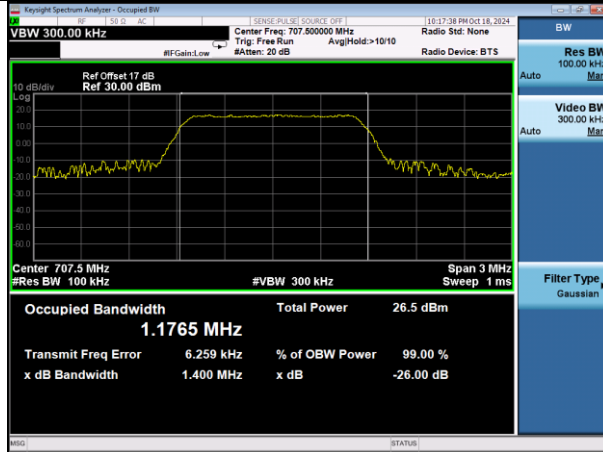


QPSK



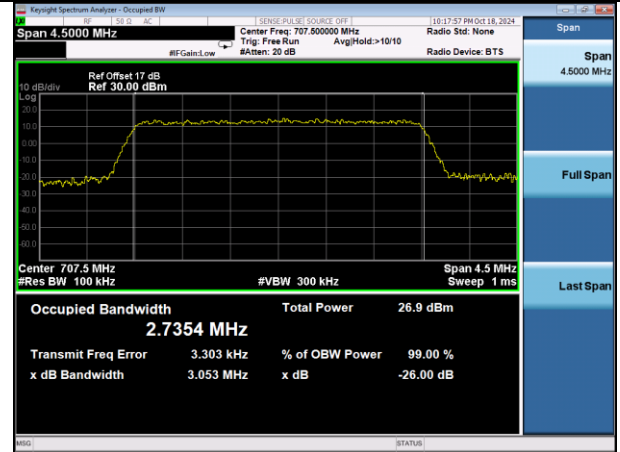
16-QAM

Test Mode: LTE Band 12
Channel Bandwidth: 1.4MHz



QPSK

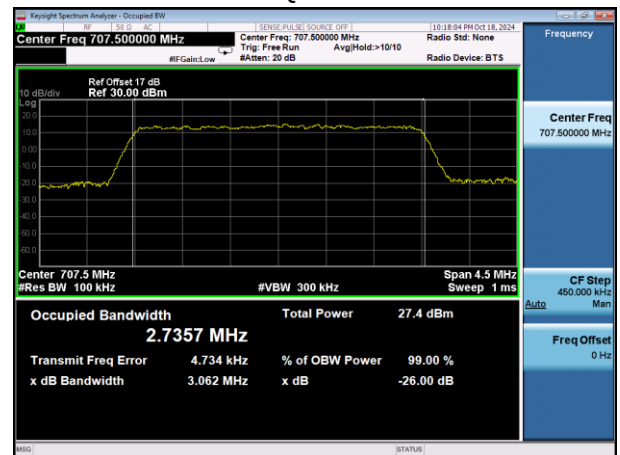
Test Mode: LTE Band 12
Channel Bandwidth: 3MHz



QPSK

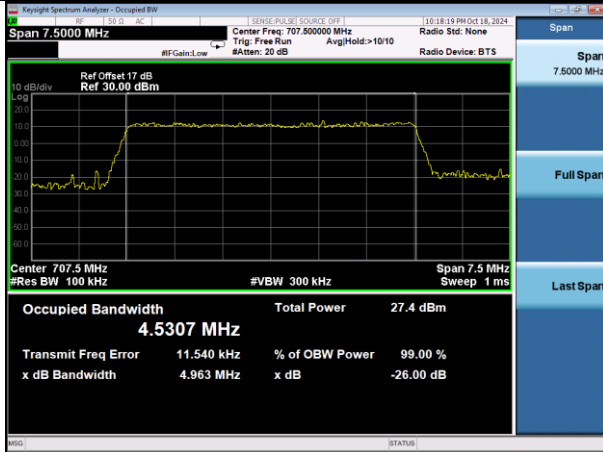


16-QAM

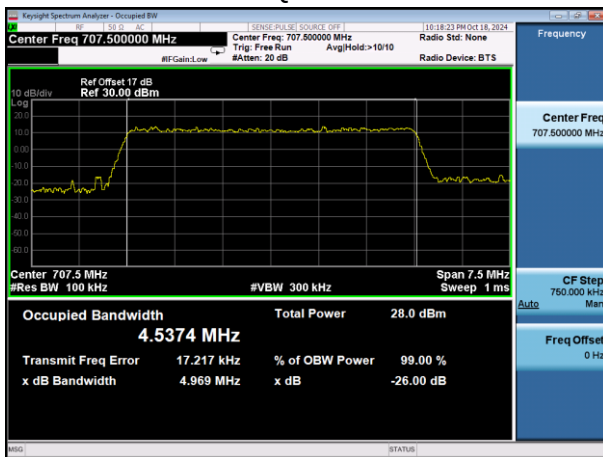


16-QAM

Test Mode: LTE Band 12
Channel Bandwidth: 5MHz

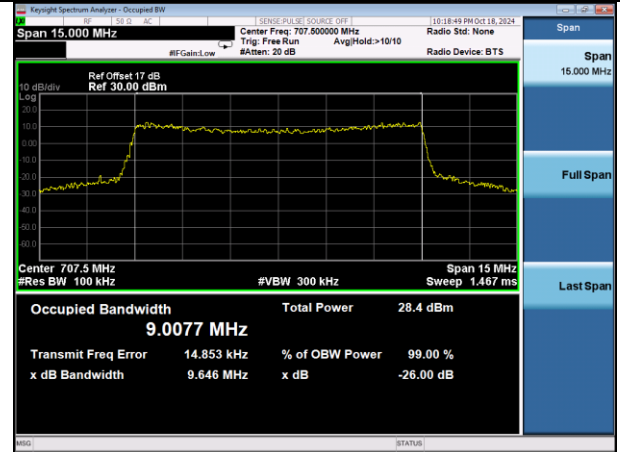


QPSK

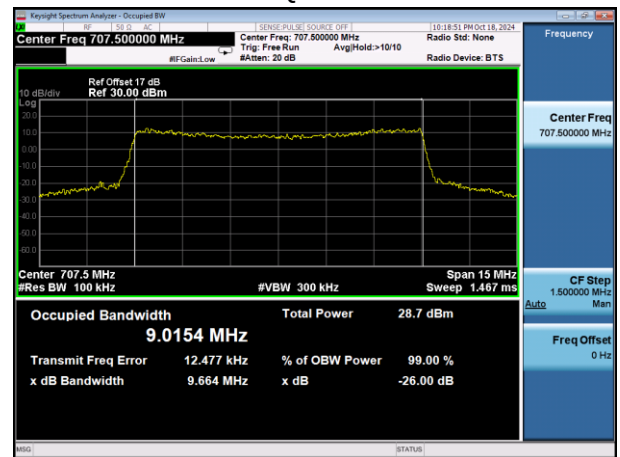


16-QAM

Test Mode: LTE Band 12
Channel Bandwidth: 10MHz

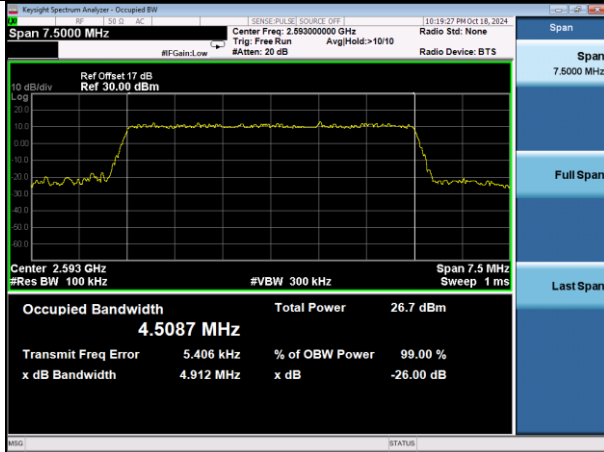


QPSK

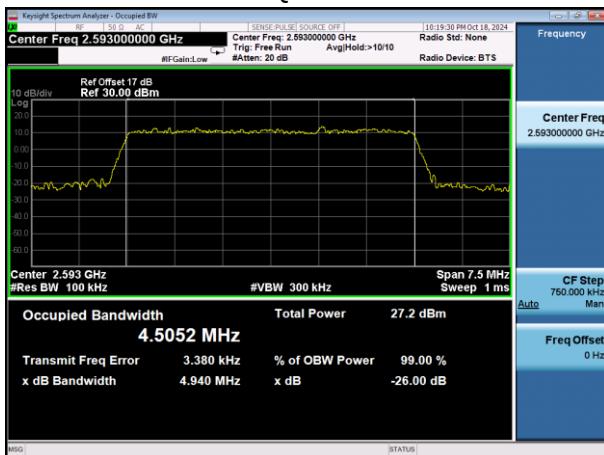


16-QAM

Test Mode: LTE Band 41
Channel Bandwidth: 5MHz

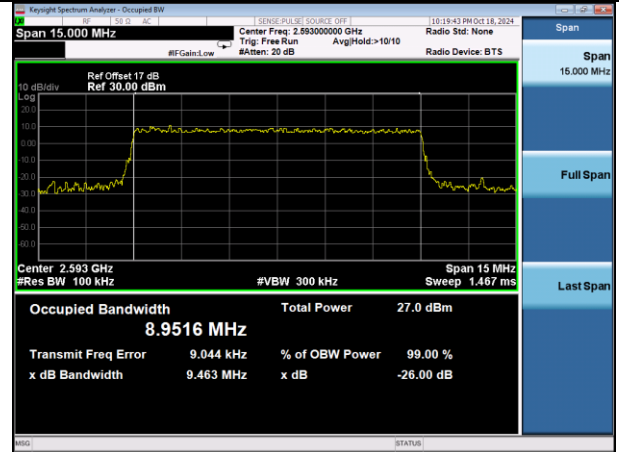


QPSK

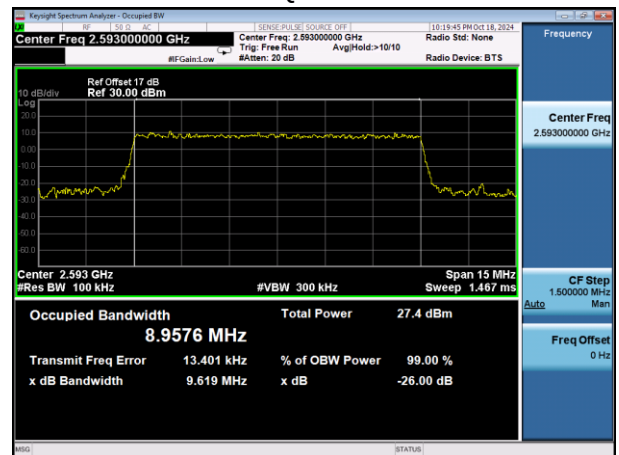


16-QAM

Test Mode: LTE Band 41
Channel Bandwidth: 10MHz

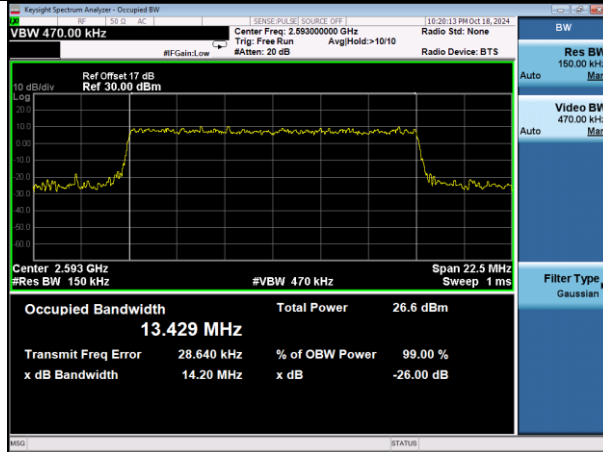


QPSK

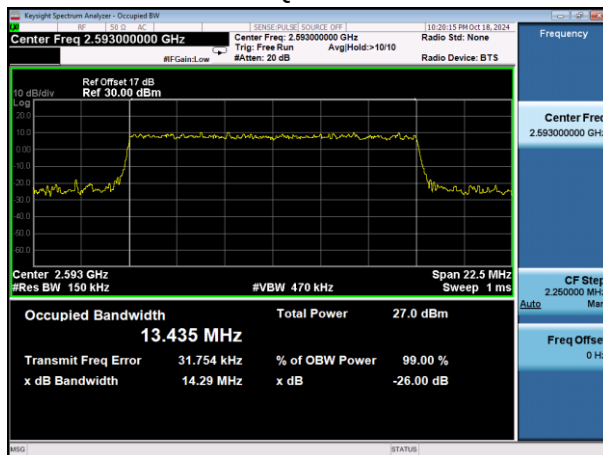


16-QAM

Test Mode: LTE Band 41
Channel Bandwidth: 15MHz

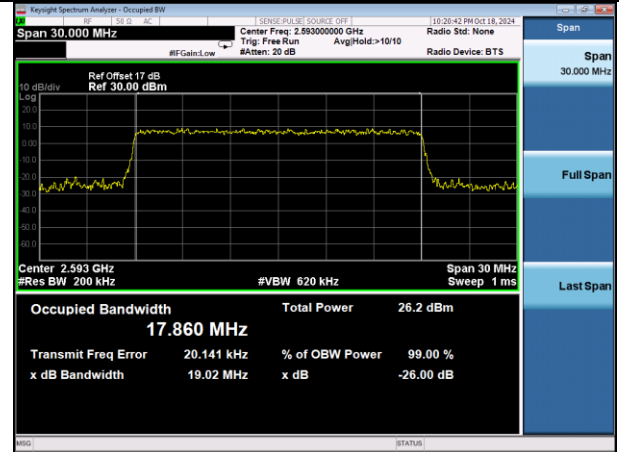


QPSK

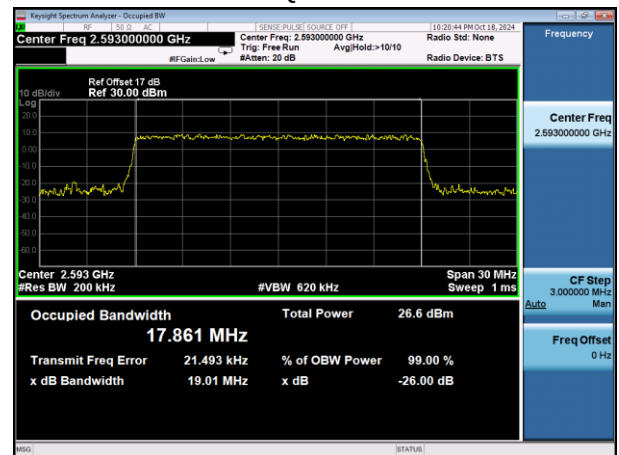


16-QAM

Test Mode: LTE Band 41
Channel Bandwidth: 20MHz



QPSK



16-QAM

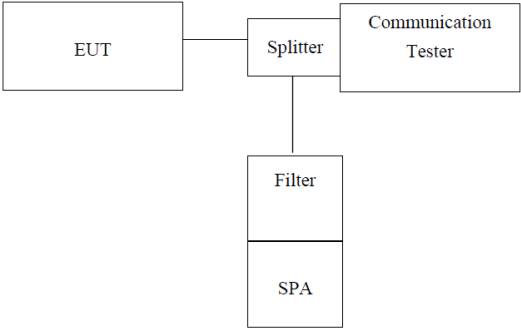
Note: All bandwidth and modulation are tested, only the worst results are reported.

4.6 MODULATION CHARACTERISTIC

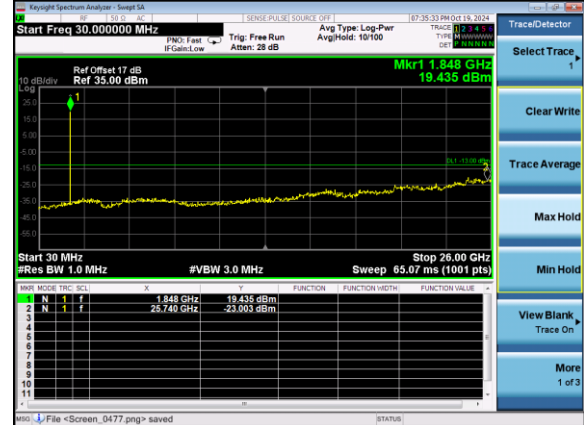
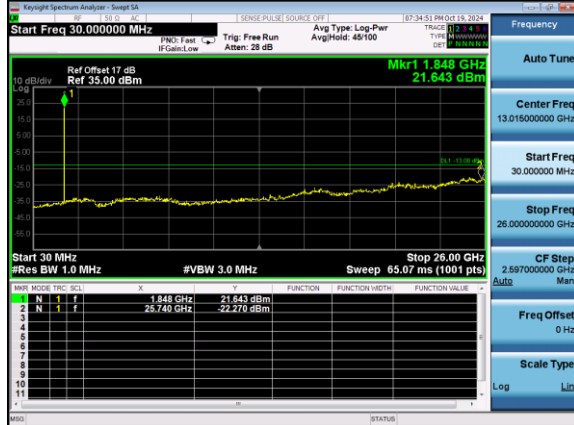
According to FCC § 2.1047(d), Part 24E & Part 27 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

According to RSS-130, RSS-132, RSS-133, RSS-139, RSS-199 the equipment certified under these standards shall employ digital modulation, but there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

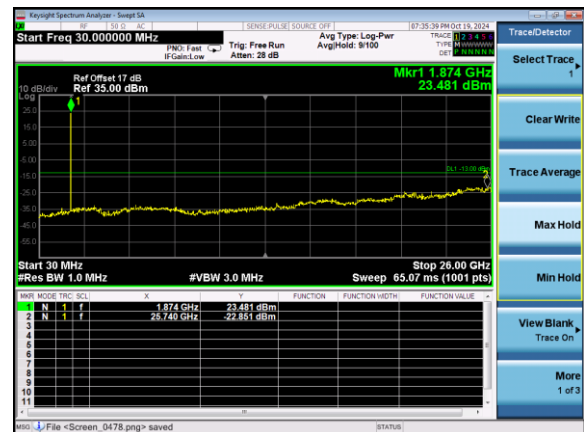
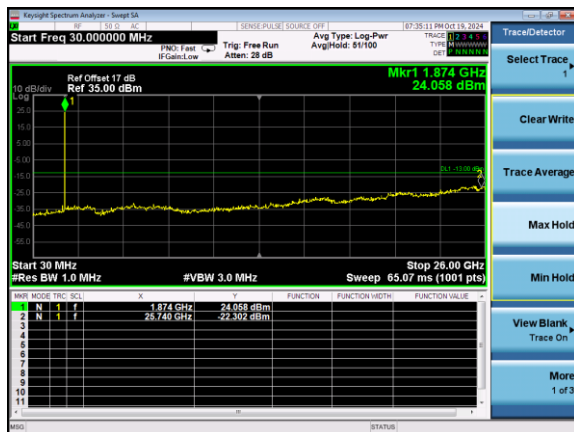
4.7 Out of band emission at antenna terminals

Test Requirement:	FCC part22.913(a), FCC part24.238(a), FCC part27.53(h) and FCC part27.53(m), FCC part90.691, RSS-130 (4.7), RSS-132 (5.5), RSS-133 (6.5), RSS-139(6.6) and RSS-199(4.5)
Test Method:	ANSI C63.26:2015
Limit:	-13dBm Band 7/41: -25dBm
Test setup:	 <i>Note: Measurement setup for testing on Antenna connector</i>
Test Procedure:	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

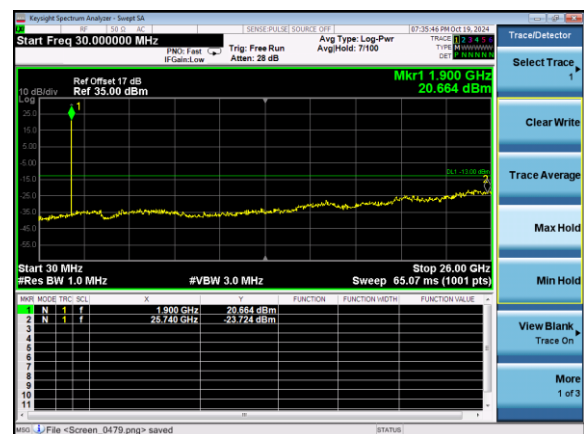
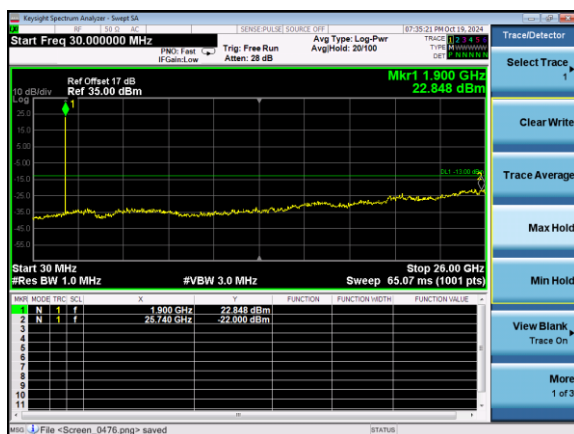
Test plot as follows:

Conducted Spurious Emission:**Test Mode: LTE Band 2 / 1.4MHz /1RB****Test Mode: LTE Band 2 / 1.4MHz /6 RB**

Lowest channel

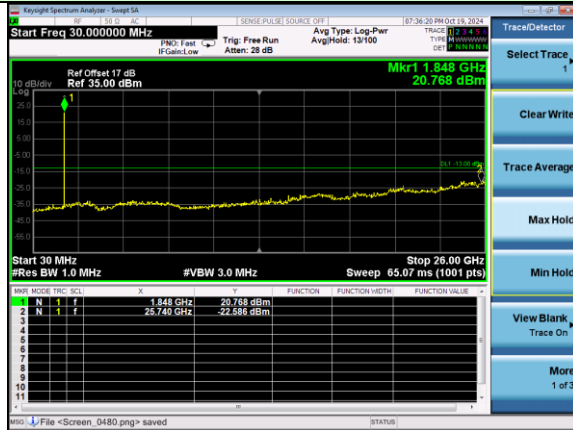


Middle channel

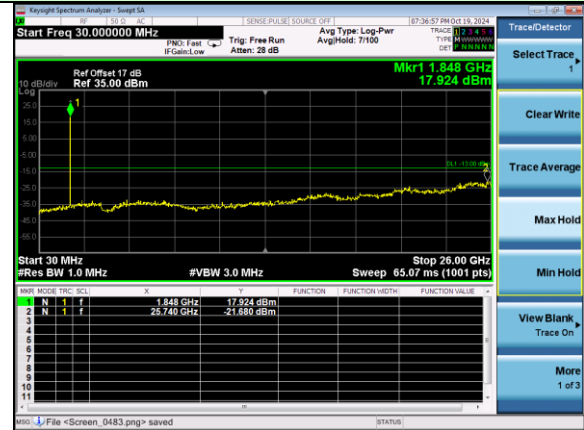


Highest channel

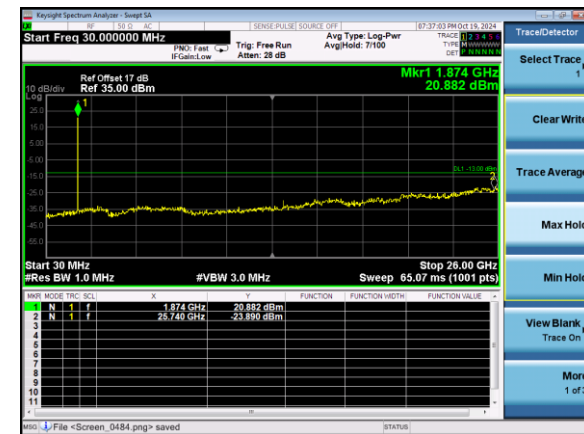
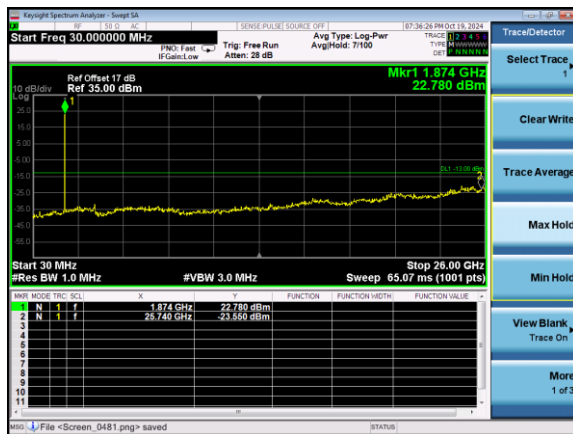
Test Mode: LTE Band 2 / 3MHz /1RB



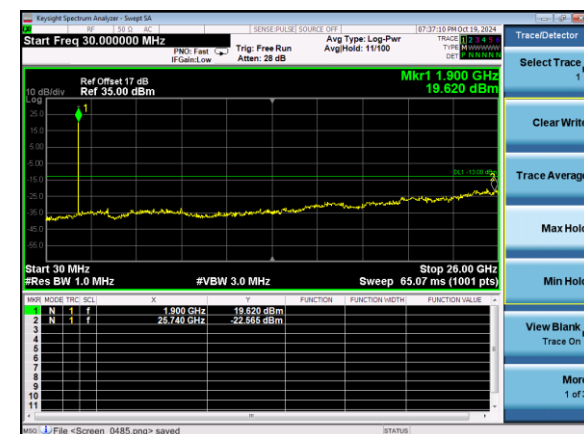
Test Mode: LTE Band 2 / 3MHz /15RB



Lowest channel

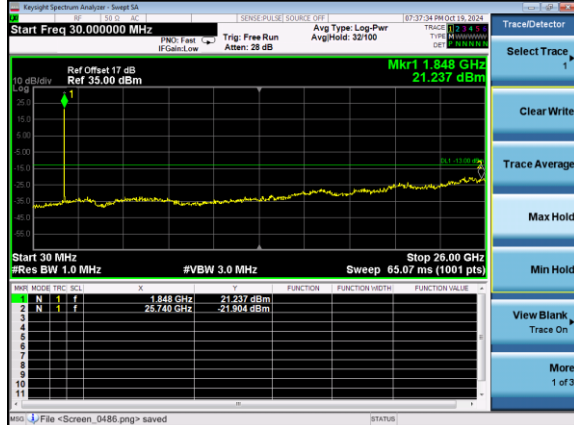


Middle channel

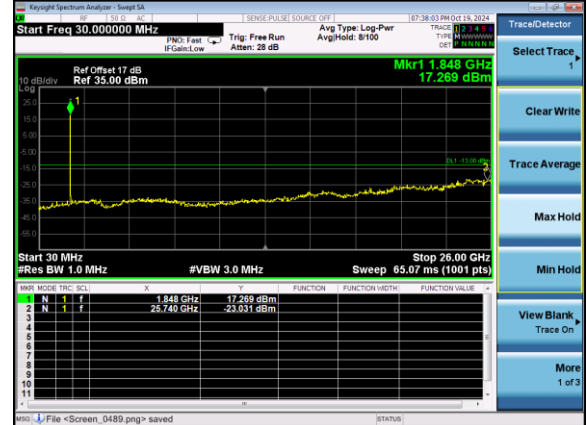


Highest channel

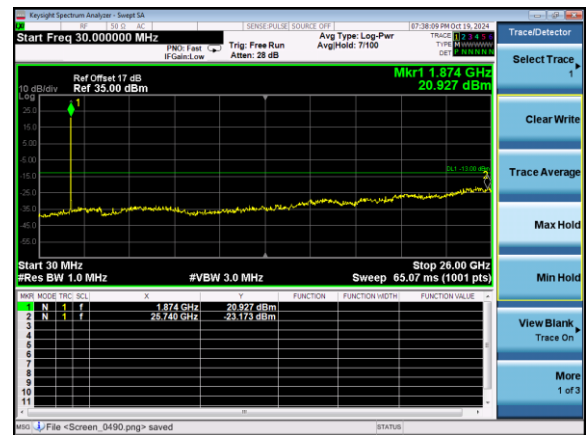
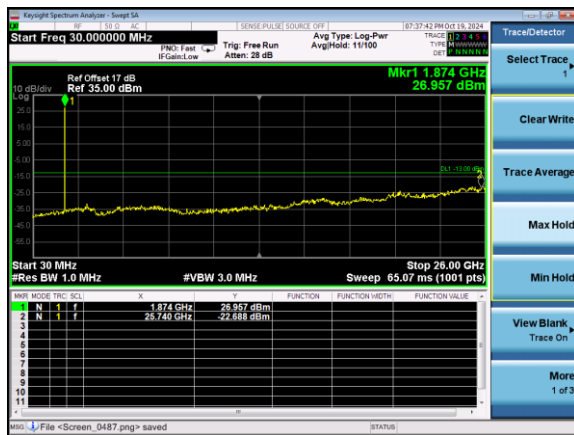
Test Mode: LTE Band 2 / 5MHz /1RB



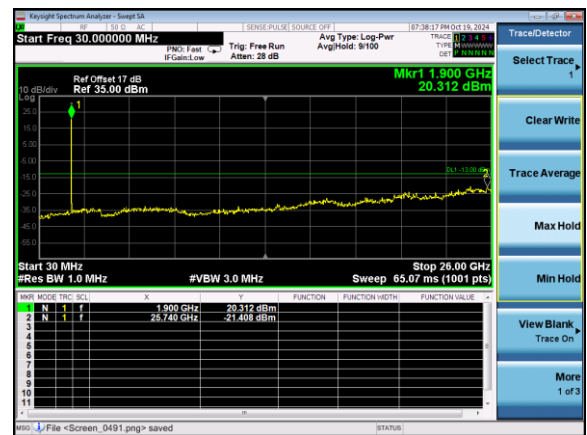
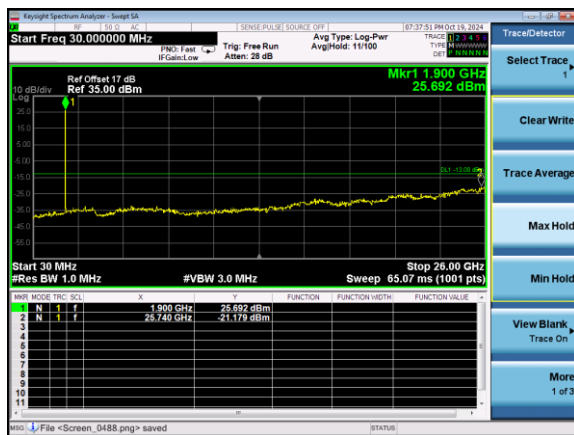
Test Mode: LTE Band 2 / 5MHz /25RB



Lowest channel

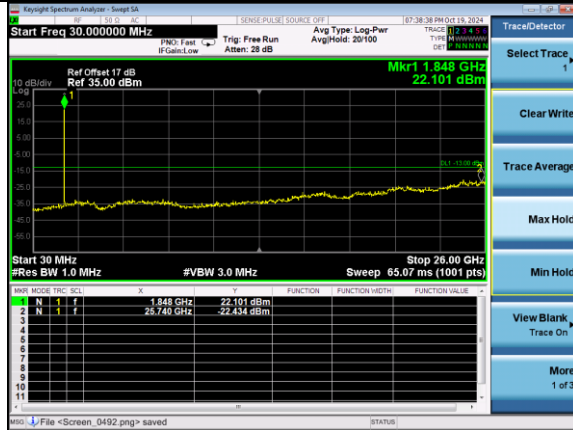


Middle channel

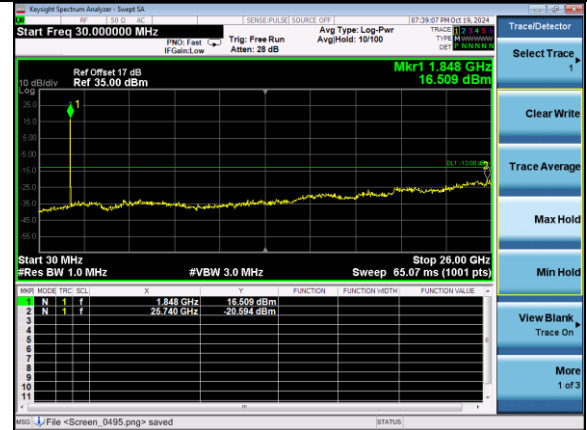


Highest channel

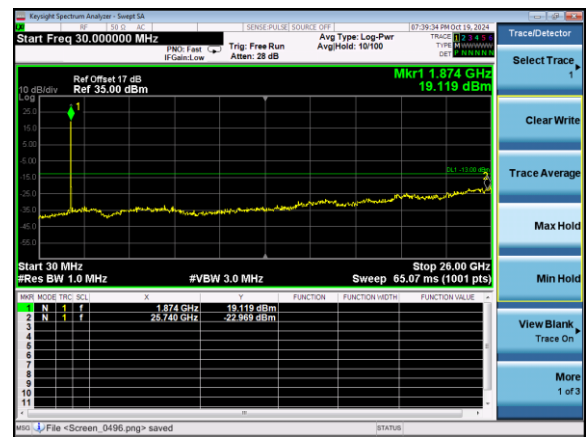
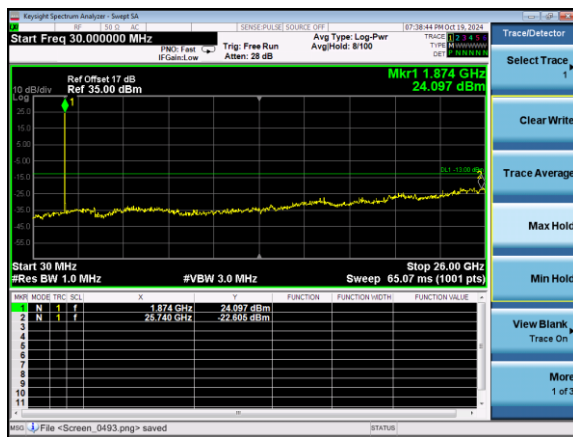
Test Mode: LTE Band 2 / 10MHz /1RB



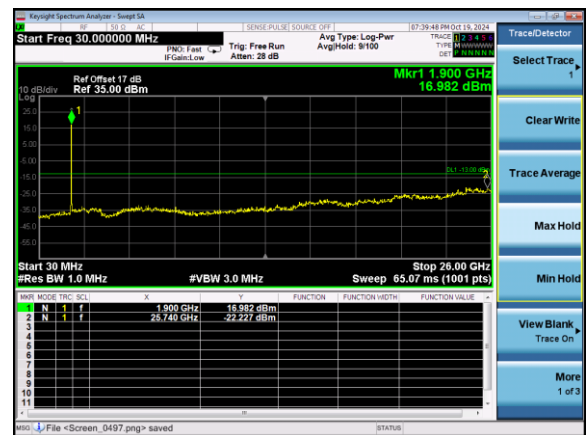
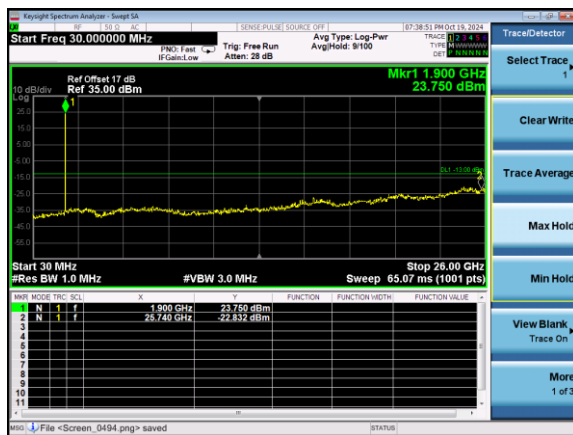
Test Mode: LTE Band 2 / 10MHz /50RB



Lowest channel

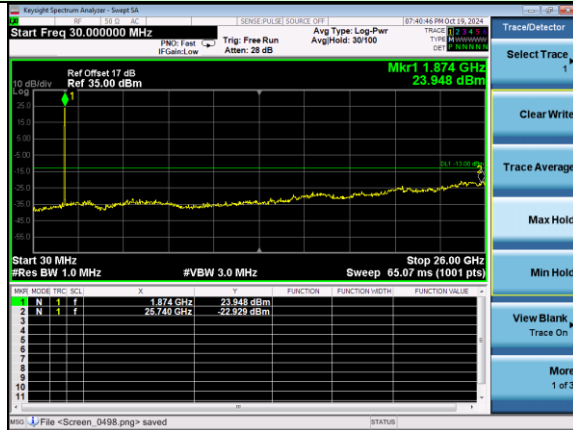


Middle channel

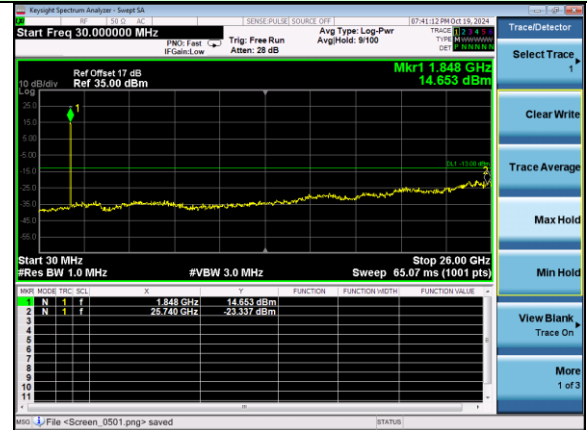


Highest channel

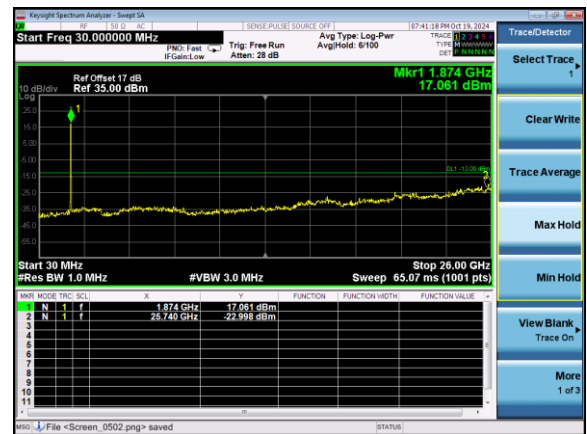
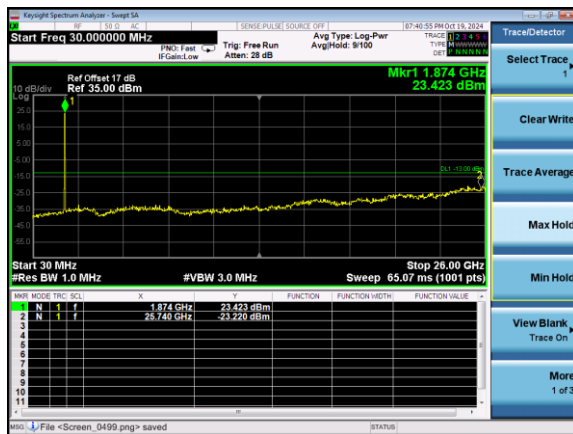
Test Mode: LTE Band 2 / 15MHz /1RB



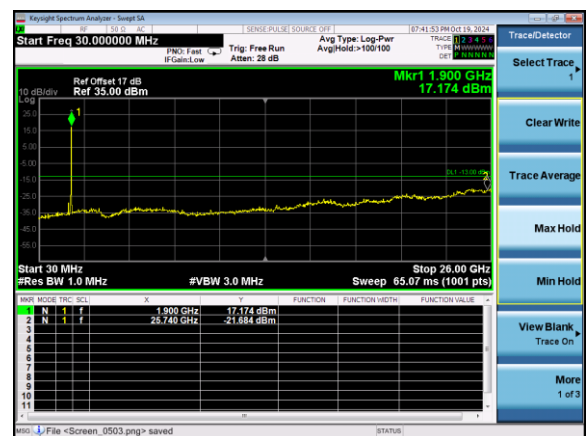
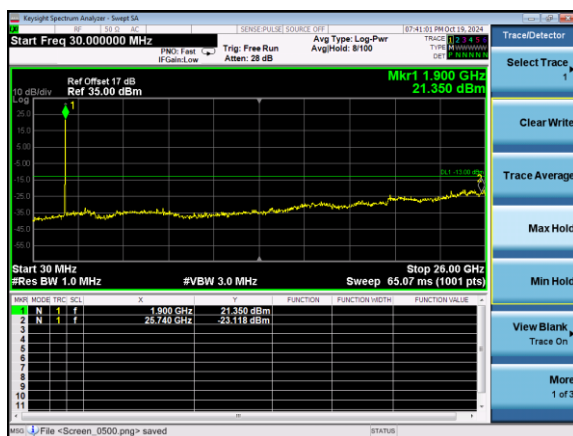
Test Mode: LTE Band 2 / 15MHz /75RB



Lowest channel

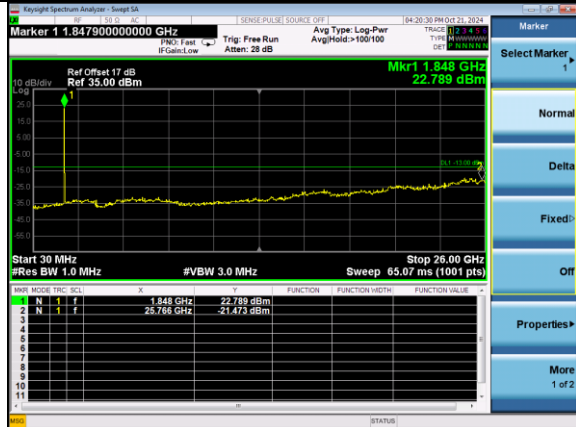


Middle channel

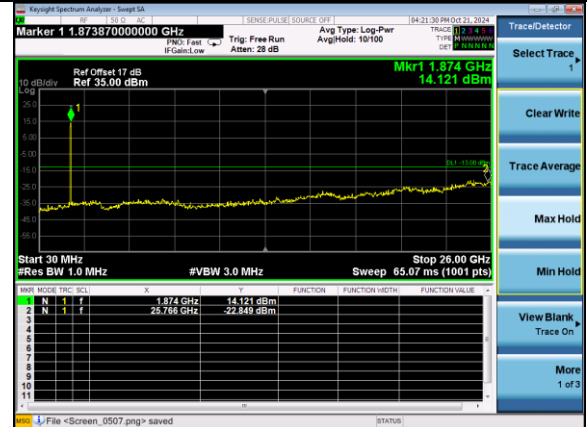


Highest channel

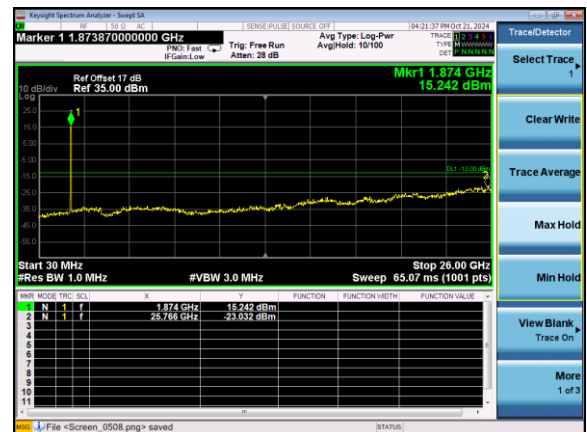
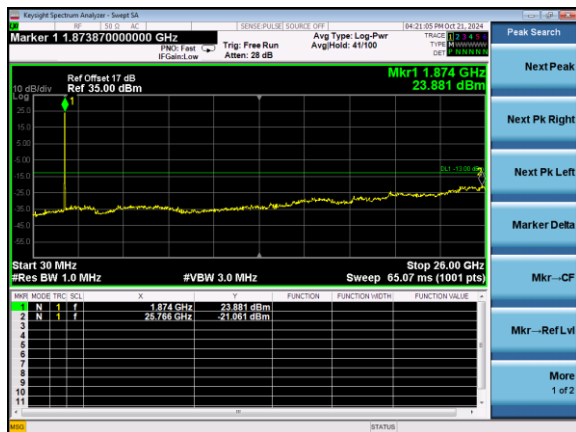
Test Mode: LTE Band 2 / 20MHz /1RB



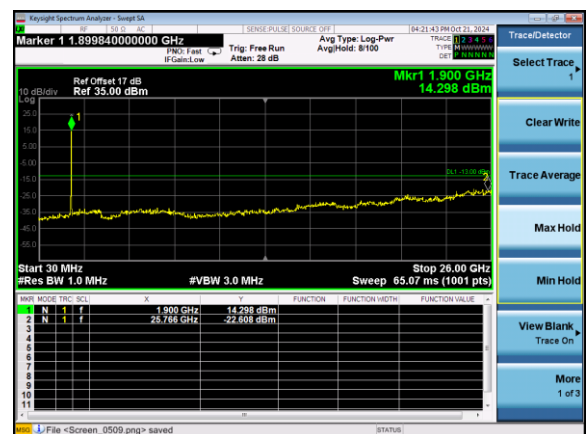
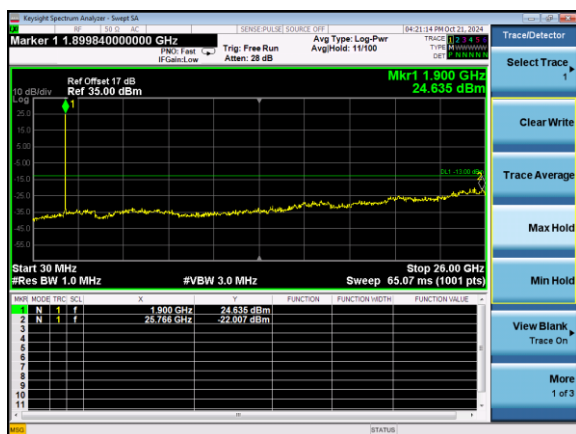
Test Mode: LTE Band 2 / 20MHz /100RB



Lowest channel

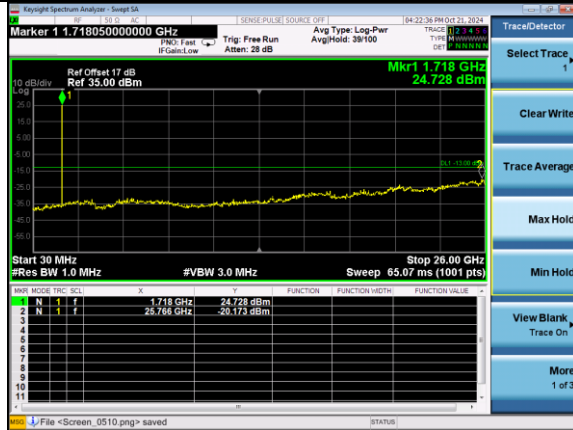


Middle channel

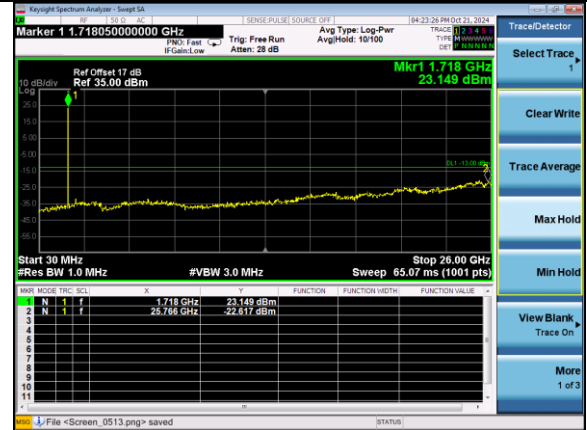


Highest channel

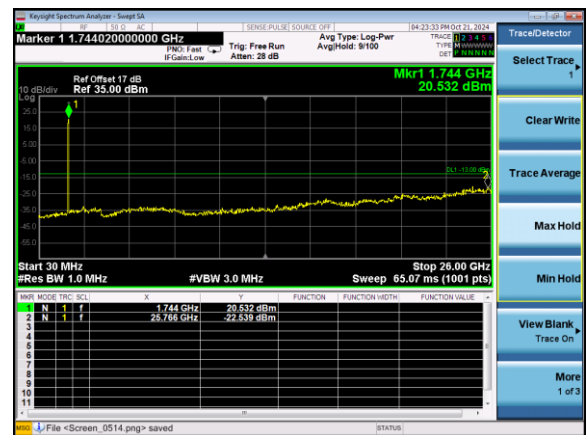
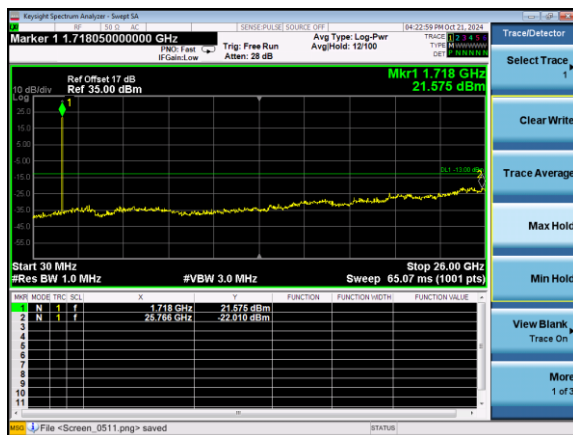
Test Mode: LTE Band 4 / 1.4MHz /1RB



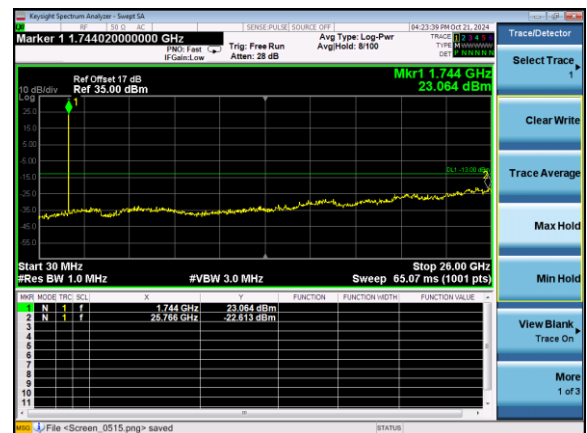
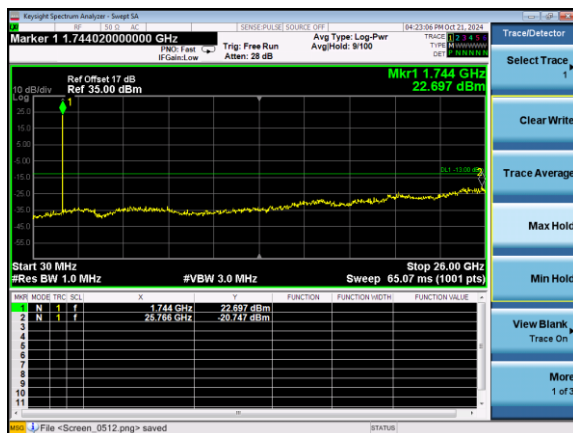
Test Mode: LTE Band 4 / 1.4MHz /6RB



Lowest channel



Middle channel



Highest channel