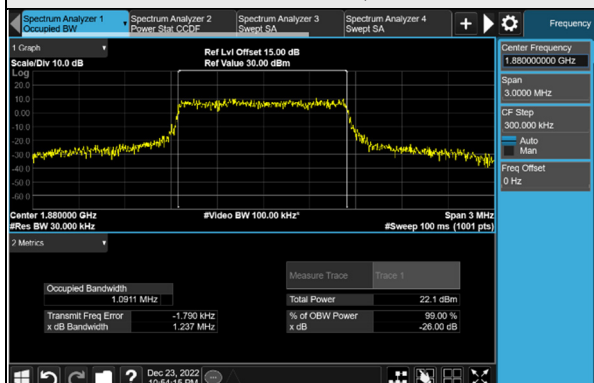
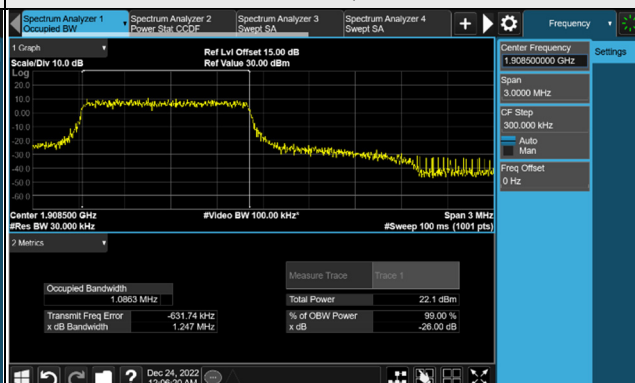


Spectrum Plot of Worst Value

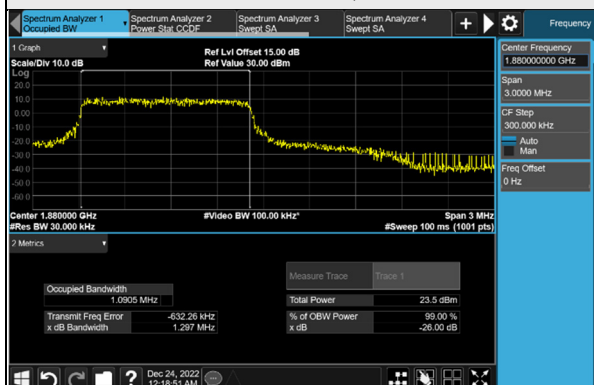
1.4MHz / QPSK



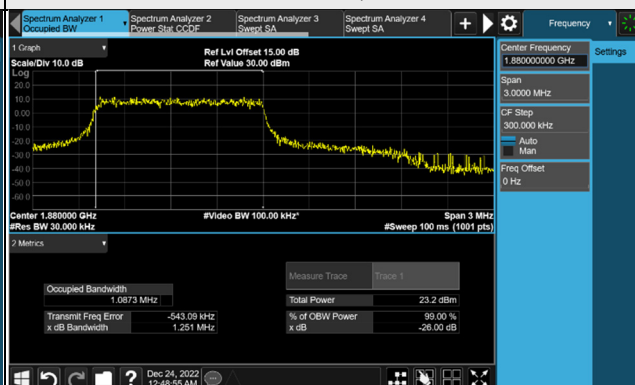
3MHz / QPSK



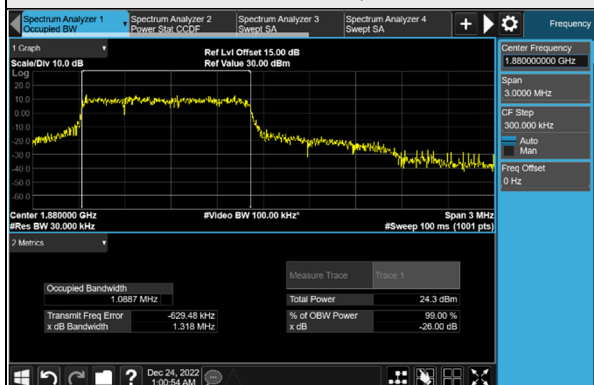
5MHz / QPSK



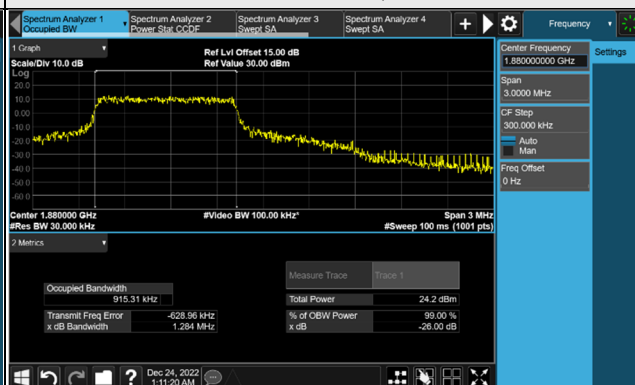
10MHz / QPSK



15MHz / QPSK



20MHz / 16QAM

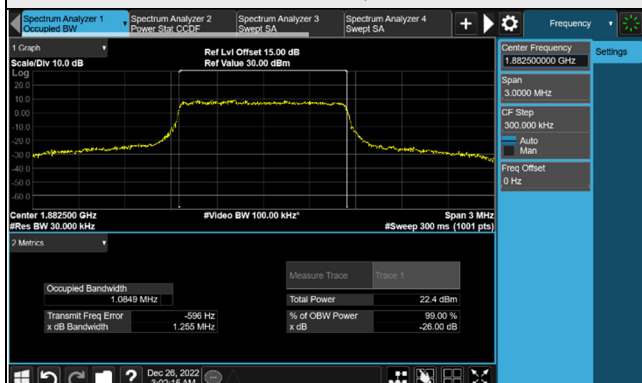


LTE Band 25, Channel Bandwidth 1.4MHz			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		QPSK	16QAM
26047	1850.7	1.249	1.099
26365	1882.5	1.255	1.114
26683	1914.3	1.250	1.110
LTE Band 25, Channel Bandwidth 3MHz			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		QPSK	16QAM
26055	1851.5	1.248	1.093
26365	1882.5	1.249	1.080
26675	1913.5	1.253	1.080
LTE Band 25, Channel Bandwidth 5MHz			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		QPSK	16QAM
26065	1852.5	1.271	1.101
26365	1882.5	1.277	1.101
26665	1912.5	1.291	1.122
LTE Band 25, Channel Bandwidth 10MHz			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		QPSK	16QAM
26090	1855.0	1.256	1.126
26365	1882.5	1.261	1.111
26640	1910.0	1.247	1.127
LTE Band 25, Channel Bandwidth 15MHz			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		QPSK	16QAM
26115	1857.5	1.305	1.202
26365	1882.5	1.316	1.411
26615	1907.5	1.311	1.269

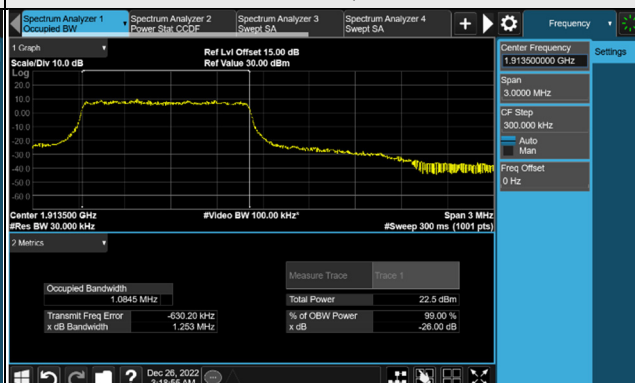
LTE Band 25, Channel Bandwidth 20MHz			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	
		QPSK	16QAM
26140	1860.0	1.293	1.234
26365	1882.5	1.277	1.318
26590	1905.0	1.283	1.296

Spectrum Plot of Worst Value

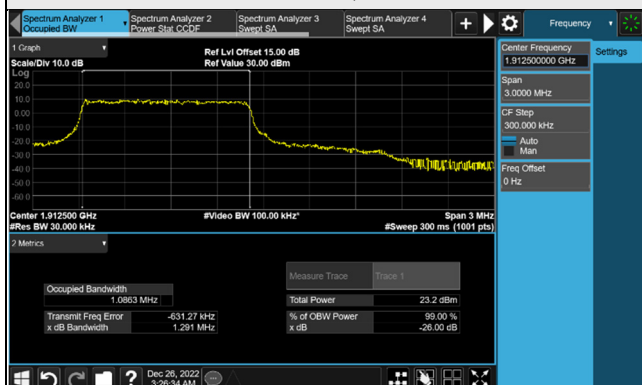
1.4MHz / QPSK



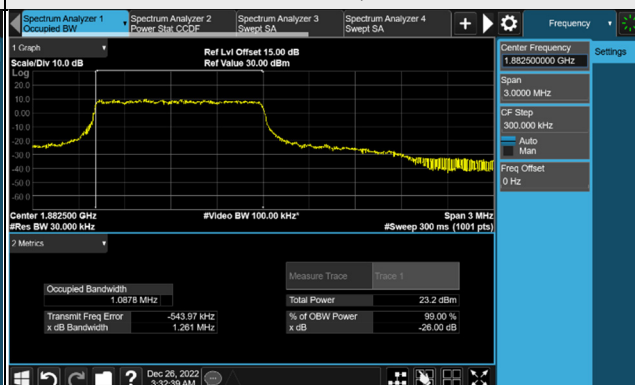
3MHz / QPSK



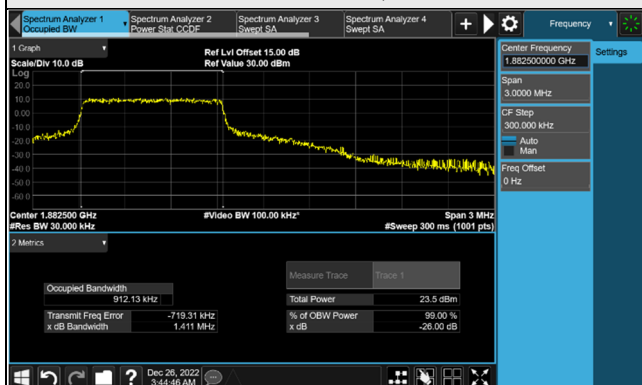
5MHz / QPSK



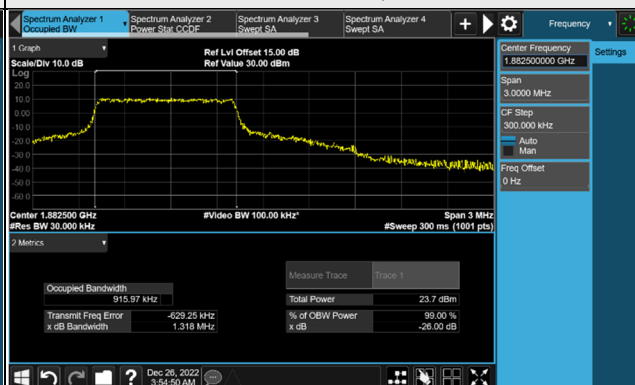
10MHz / QPSK



15MHz / 16QAM

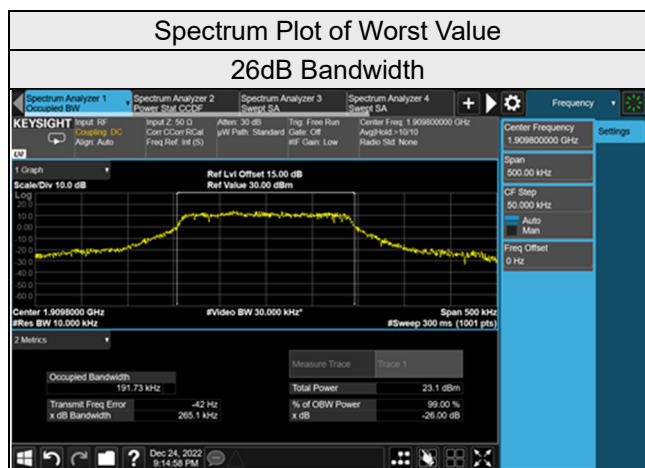


20MHz / 16QAM



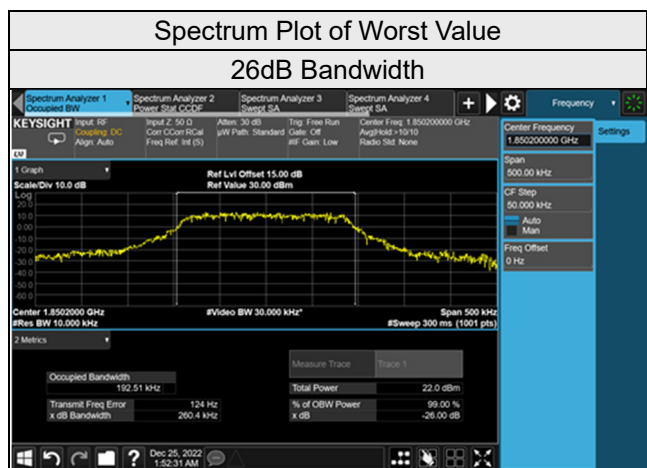
NB-IoT Band 2

NB-IoT Band 2					
Channel	Frequency (MHz)	Subcarrier Spacing (kHz)	Number of Subcarrier / Starting Subcarrier	Modulation	26dB Bandwidth (kHz)
18602	1850.2	3.75	1@0	BPSK	82.15
		15	12@0	QPSK	253.60
18900	1880.0	3.75	1@0	BPSK	82.48
		15	12@0	QPSK	263.30
19198	1909.8	3.75	1@47	BPSK	81.95
		15	12@0	QPSK	265.10



NB-IoT Band 25

NB-IoT Band 25					
Channel	Frequency (MHz)	Subcarrier Spacing (kHz)	Number of Subcarrier / Starting Subcarrier	Modulation	26dB Bandwidth (kHz)
26042	1850.2	3.75	1@0	BPSK	82.17
		15	12@0	QPSK	260.40
26365	1882.5	3.75	1@0	BPSK	82.28
		15	12@0	QPSK	260.30
26688	1914.8	3.75	1@47	BPSK	80.31
		15	12@0	QPSK	258.30

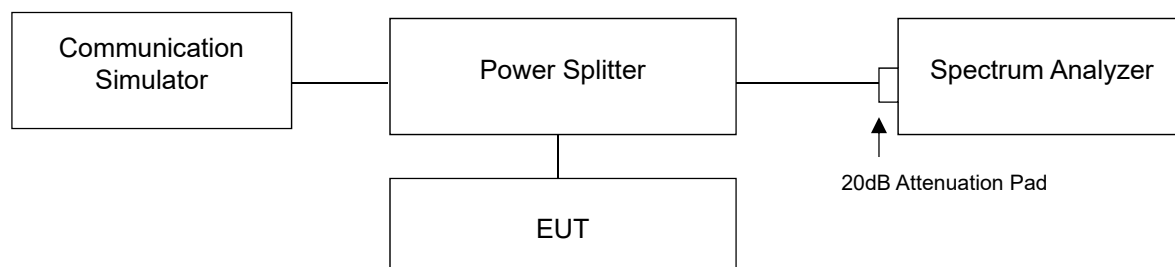


4.5 Band Edge Measurement

4.5.1 Limits of Band Edge Measurement

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. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

4.5.2 Test Setup

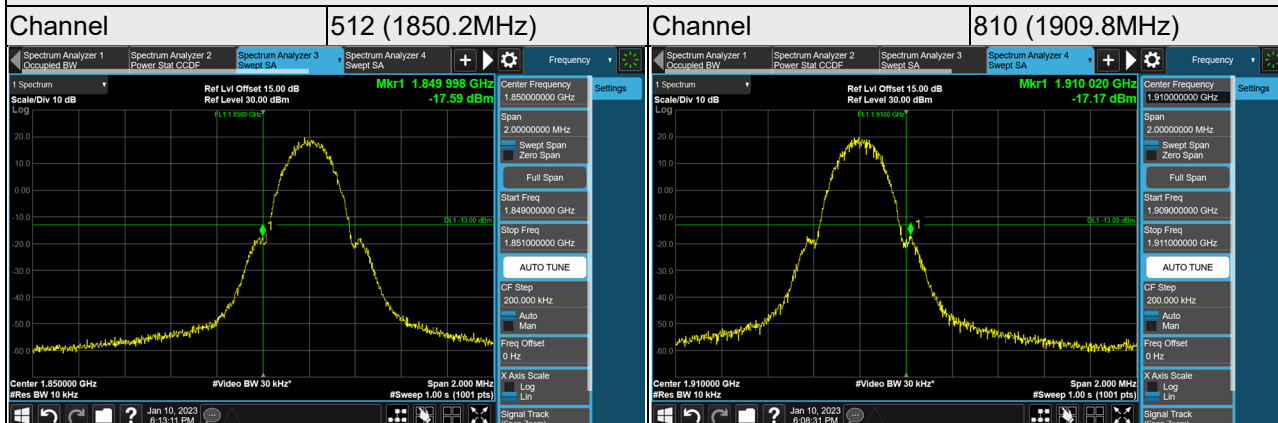


4.5.3 Test Procedures

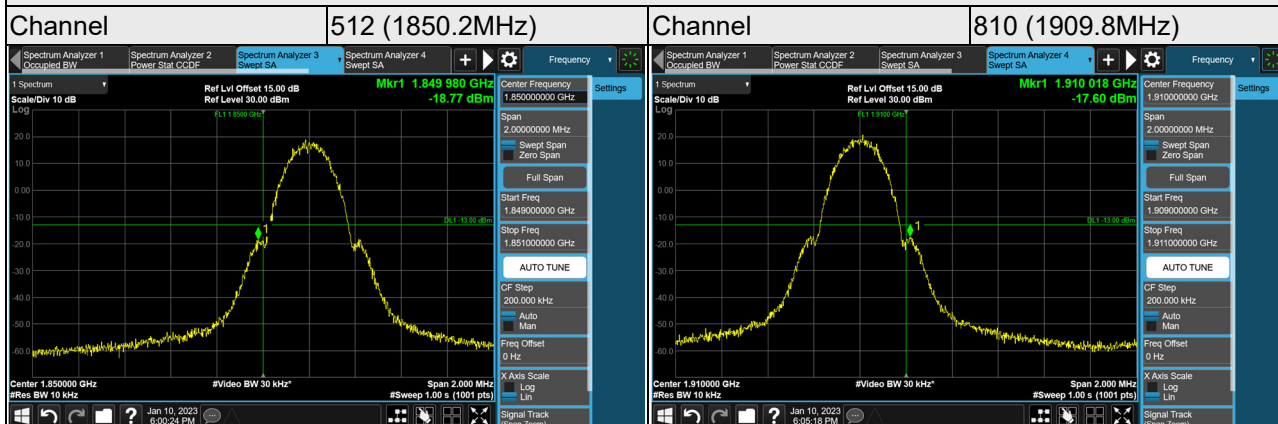
- All measurements were done at low and high operational frequency range.
- Measurement refer to ANSI C63.26 section 5.7.
- Measuring frequency band edge, narrow RBW (no less than 1% of the OBW) is used for conducted emission measurement. VBW $\geq 3 \times$ RBW, Detector = Average.
- The center frequency of spectrum is the band edge frequency and span is 2MHz. RB of the spectrum is 10kHz and VB of the spectrum is 30kHz (GPRS / EDGE).
- The center frequency of spectrum is the band edge frequency and span is 2MHz. RB of the spectrum is 30kHz and VB of the spectrum is 100kHz (NB-IoT).
- The center frequency of spectrum is the band edge frequency and span is 2MHz. RB of the spectrum is 15kHz and VB of the spectrum is 51kHz (LTE Channel Bandwidth 1.4MHz).
- The center frequency of spectrum is the band edge frequency and span is 2MHz. RB of the spectrum is 15kHz and VB of the spectrum is 51kHz (LTE Channel Bandwidth 3MHz).
- The center frequency of spectrum is the band edge frequency and span is 2MHz. RB of the spectrum is 15kHz and VB of the spectrum is 51kHz (LTE Channel Bandwidth 5MHz).
- The center frequency of spectrum is the band edge frequency and span is 2MHz. RB of the spectrum is 15kHz and VB of the spectrum is 51kHz (LTE Channel Bandwidth 10MHz).
- The center frequency of spectrum is the band edge frequency and span is 2MHz. RB of the spectrum is 15kHz and VB of the spectrum is 51kHz (LTE Channel Bandwidth 15MHz).
- The center frequency of spectrum is the band edge frequency and span is 2MHz. RB of the spectrum is 15kHz and VB of the spectrum is 51kHz (LTE Channel Bandwidth 20MHz).
- Record the max trace plot into the test report.

4.5.4 Test Results

GPRS

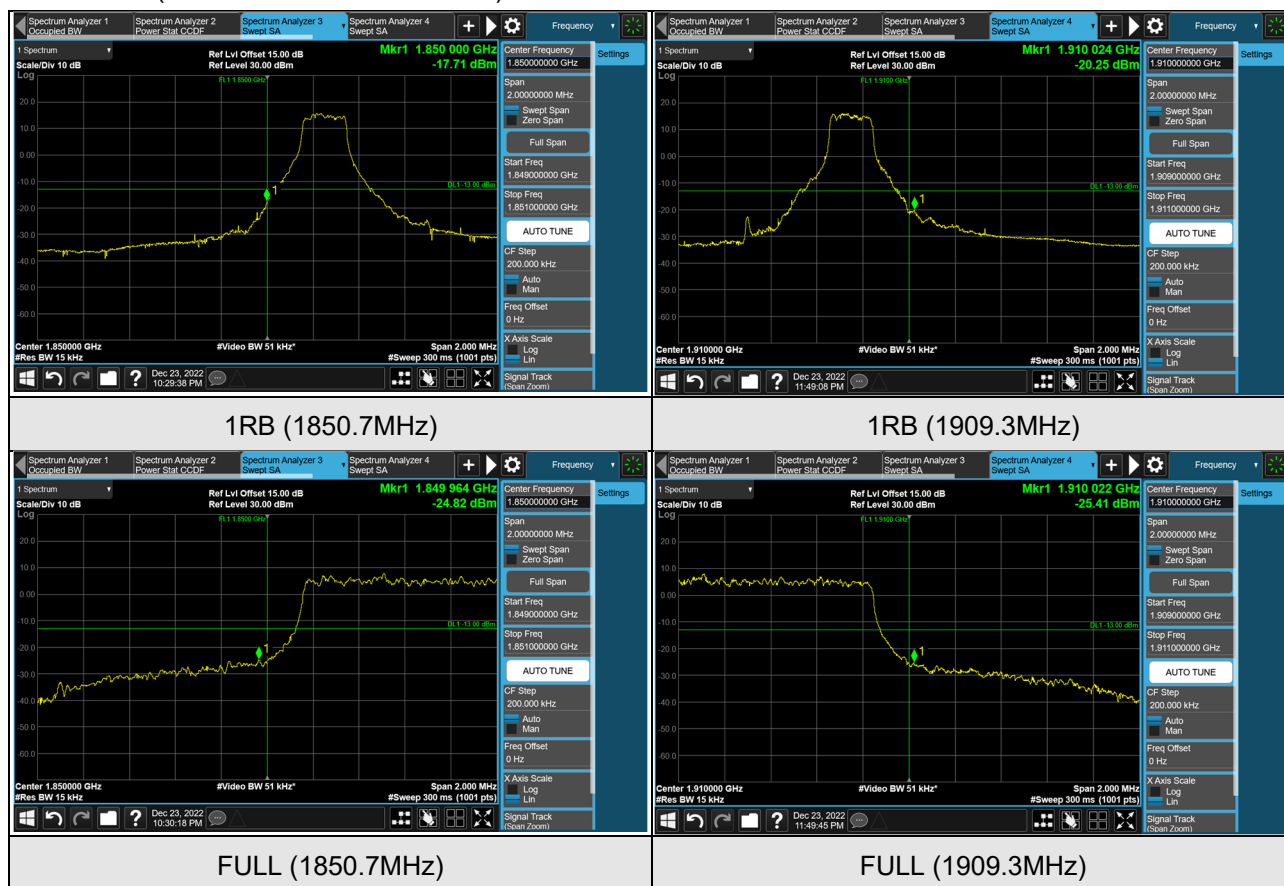


EDGE

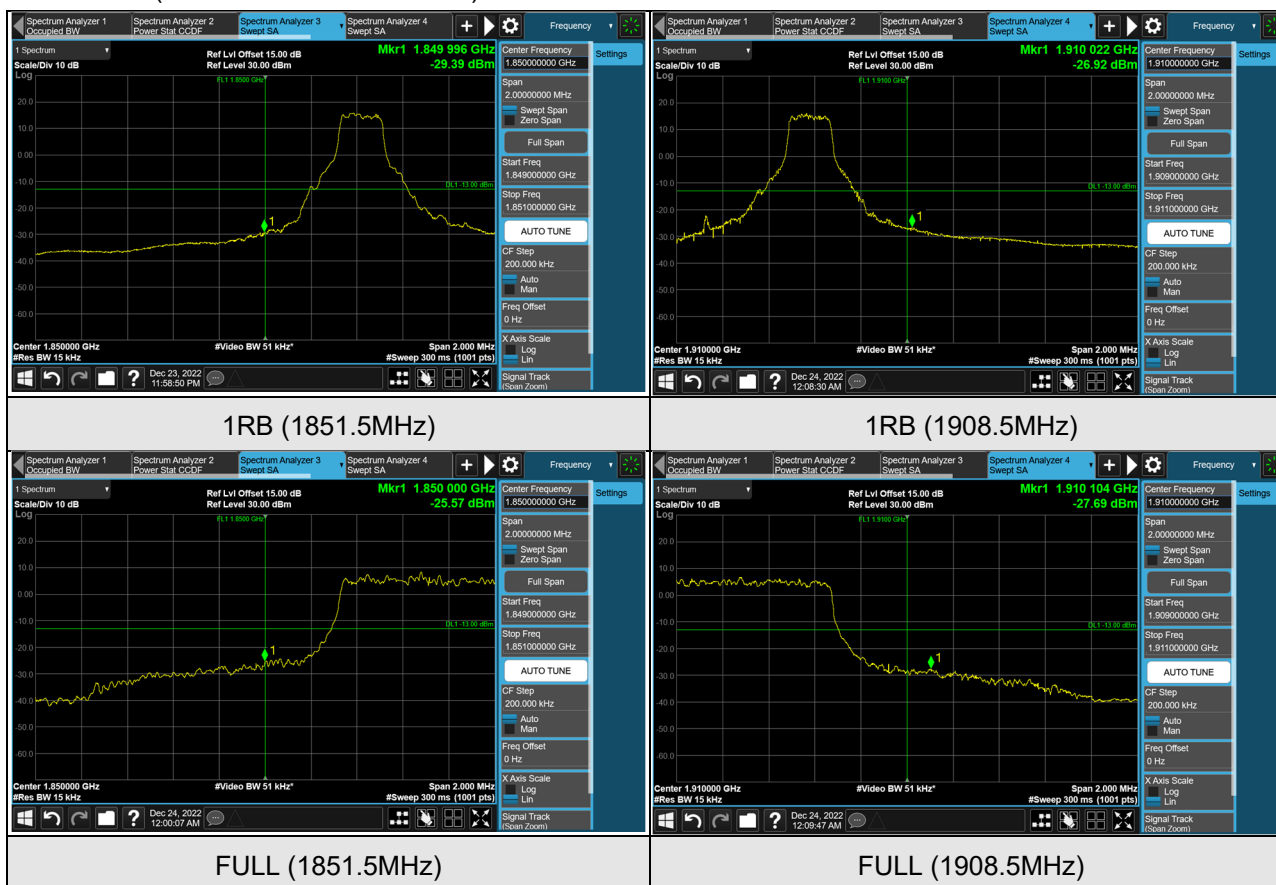


eMTC

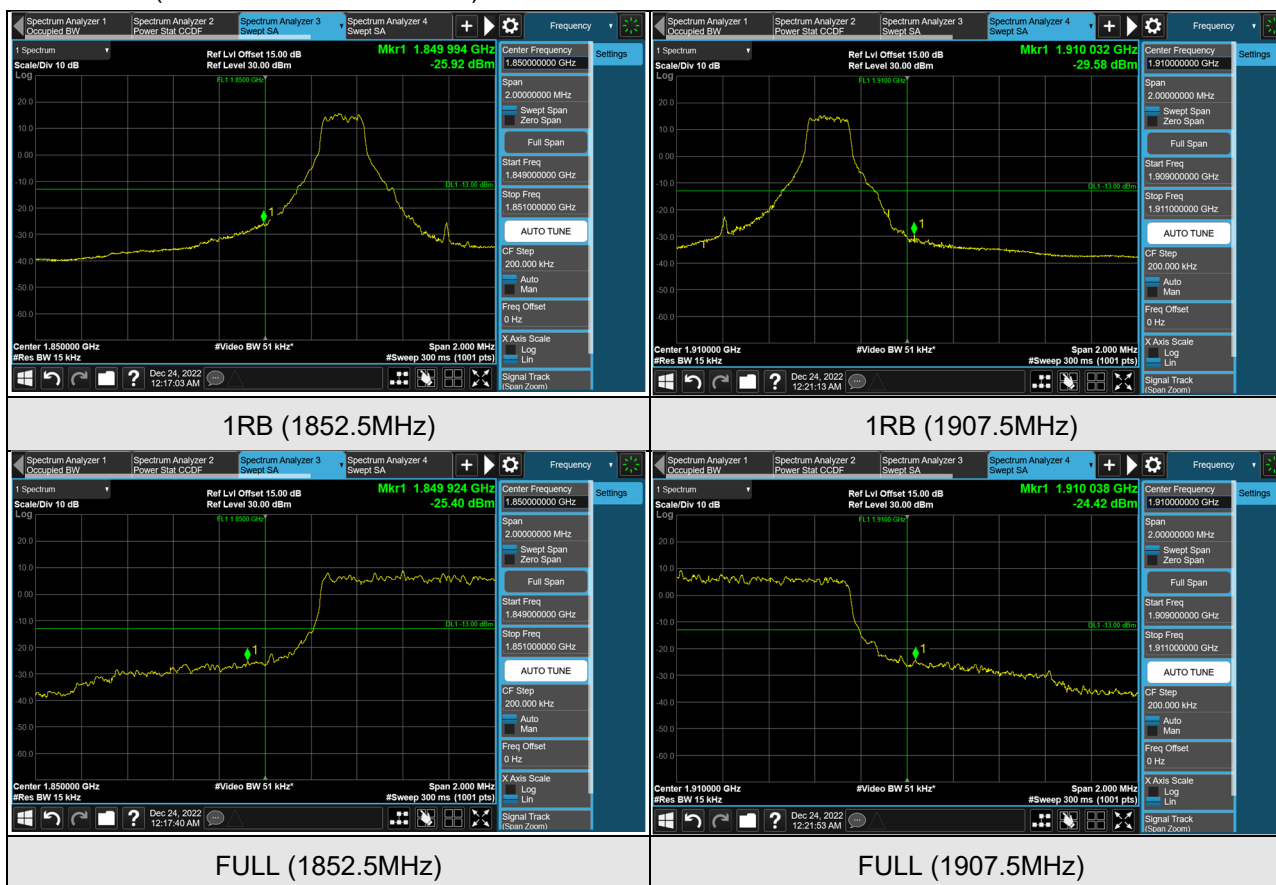
LTE Band 2 (Channel Bandwidth 1.4MHz)



LTE Band 2 (Channel Bandwidth 3MHz)



LTE Band 2 (Channel Bandwidth 5MHz)



LTE Band 2 (Channel Bandwidth 10MHz)

