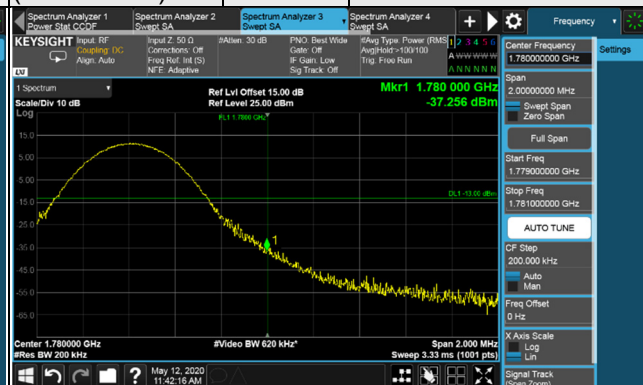


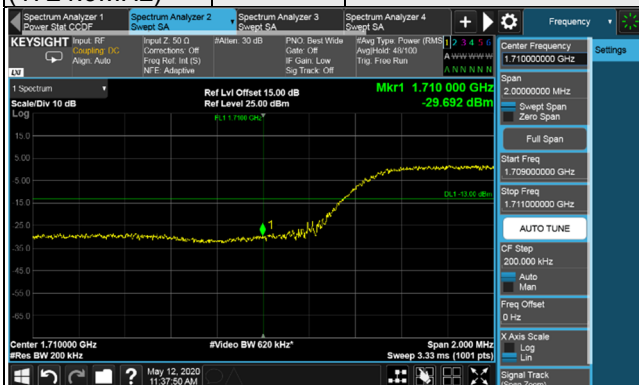
LTE Band 66 (CA 66B)
Band Edge:

Channel Bandwidth: 10MHz+10MHz

Channel 132022 (1715.0MHz)+ Channel 132121 (1724.9MHz)	256QAM	1 RB / 0 RB Offset+ 1 RB / 49 RB Offset	Channel 132523 (1765.1MHz)+ Channel 132622 (1775.0MHz)	256QAM	1 RB / 0 RB Offset+ 1 RB / 49 RB Offset
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Channel 132022 (1715.0MHz)+ Channel 132121 (1724.9MHz)	256QAM	50 RB / 0 RB Offset	Channel 132523 (1765.1MHz)+ Channel 132622 (1775.0MHz)	256QAM	50 RB / 0 RB Offset
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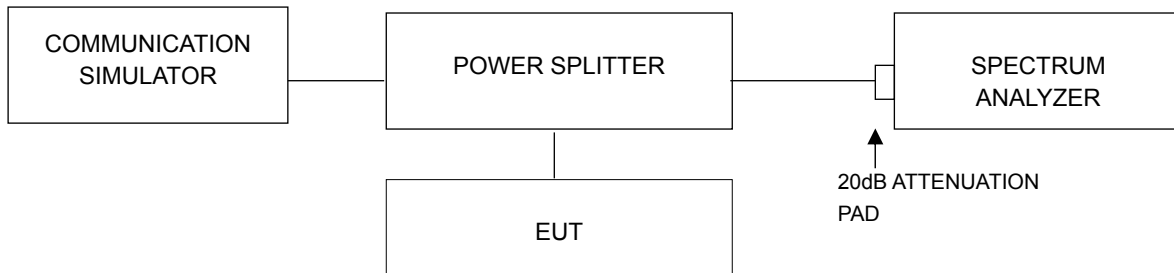


4.5 Peak to Average Ratio

4.5.1 Limits of Peak to Average Ratio Measurement

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

4.5.2 Test Setup



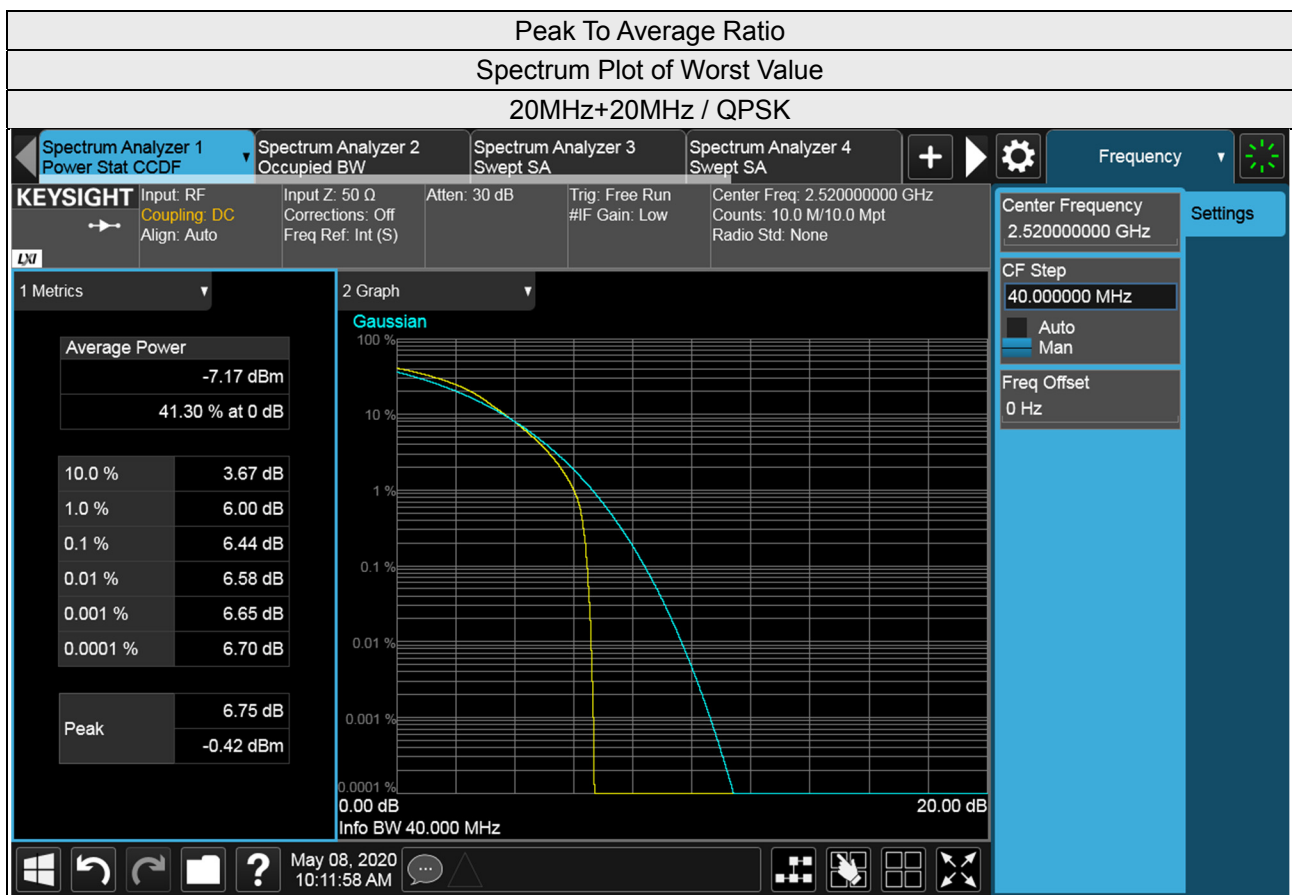
4.5.3 Test Procedures

- Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
- Set the number of counts to a value that stabilizes the measured CCDF curve;
- Record the maximum PAPR level associated with a probability of 0.1%.

4.5.4 Test Results

LTE Band 7 (CA 7C)

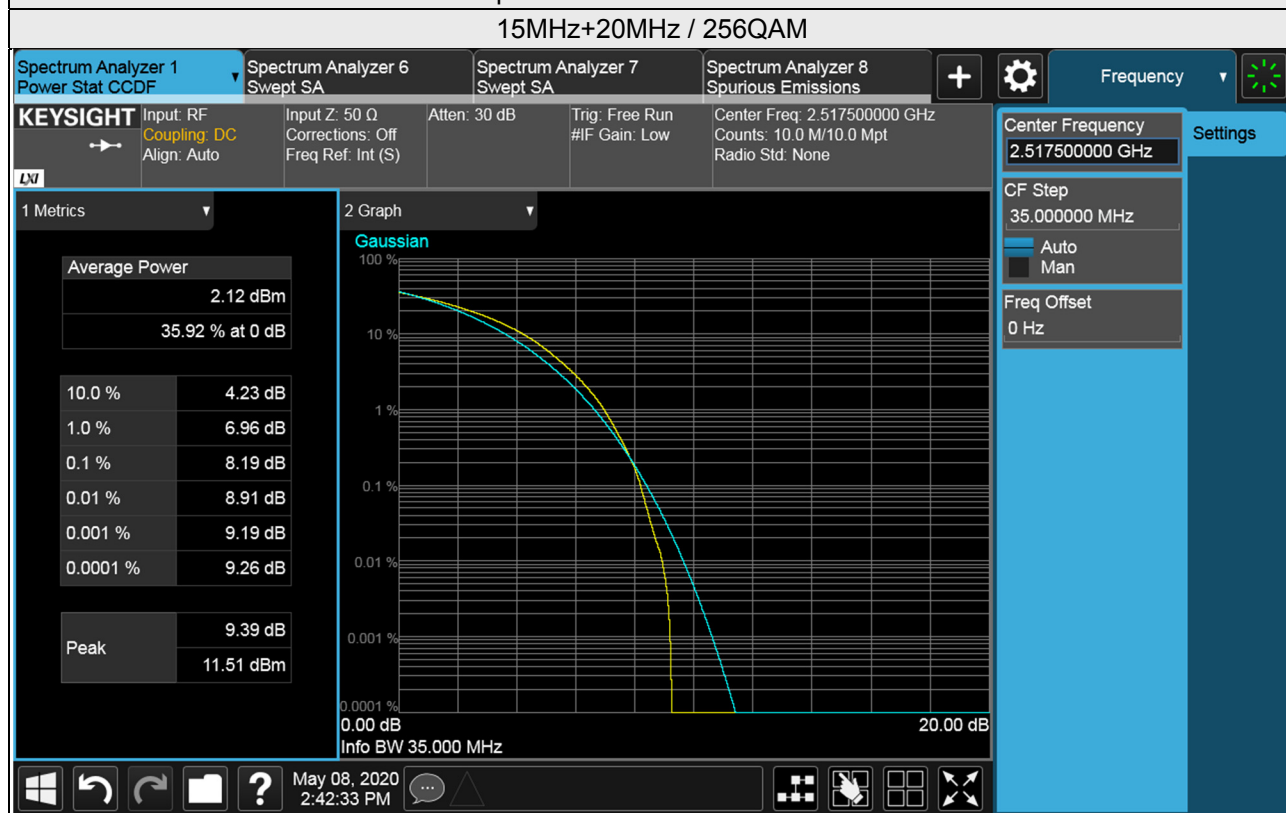
LTE Band 7 (CA 7C), Channel Bandwidth 20MHz+20MHz		
Channel	Frequency (MHz)	Peak To Average Ratio (dB)
		QPSK_Full RB
20850+21048	2510.0+2529.8	6.44
21001+21199	2525.1+2544.9	6.42
21152+21350	2540.2+2560.0	6.42



LTE Band 7 (CA 7C)

LTE Band 7 (CA 7C), Channel Bandwidth 15MHz+20MHz		
Channel	Frequency (MHz)	Peak To Average Ratio (dB)
		256QAM_Full RB
20828+20999	2507.8+2524.9	8.19
21003+21174	2525.3+2542.4	8.11
21179+21350	2542.9+2560.0	8.00

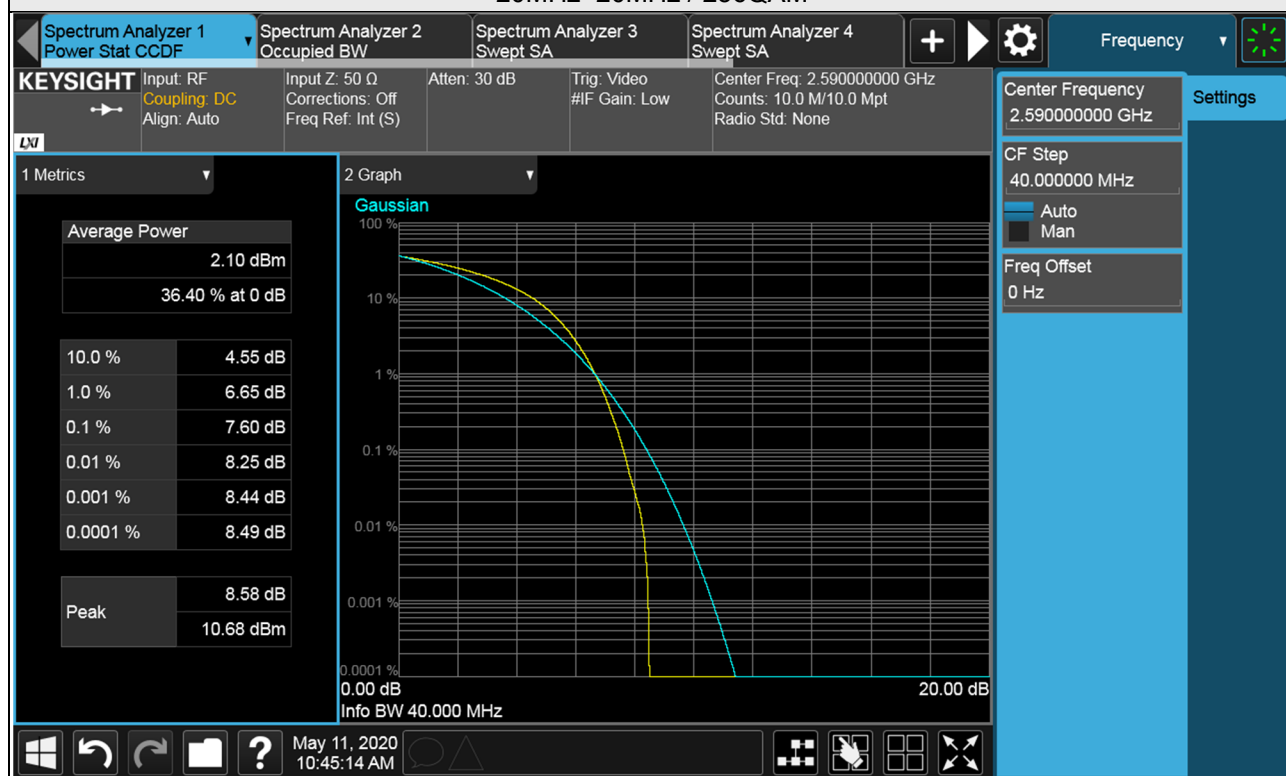
Peak To Average Ratio
Spectrum Plot of Worst Value



LTE Band 38 (CA 38C)

LTE Band 38 (CA 38C), Channel Bandwidth 20MHz+20MHz		
Channel	Frequency (MHz)	Peak To Average Ratio (dB)
		256QAM_Full RB
37850+38048	2580.0+2599.8	7.60
37901+38099	2585.1+2604.9	7.36
37952+38150	2590.2+2610.0	7.56

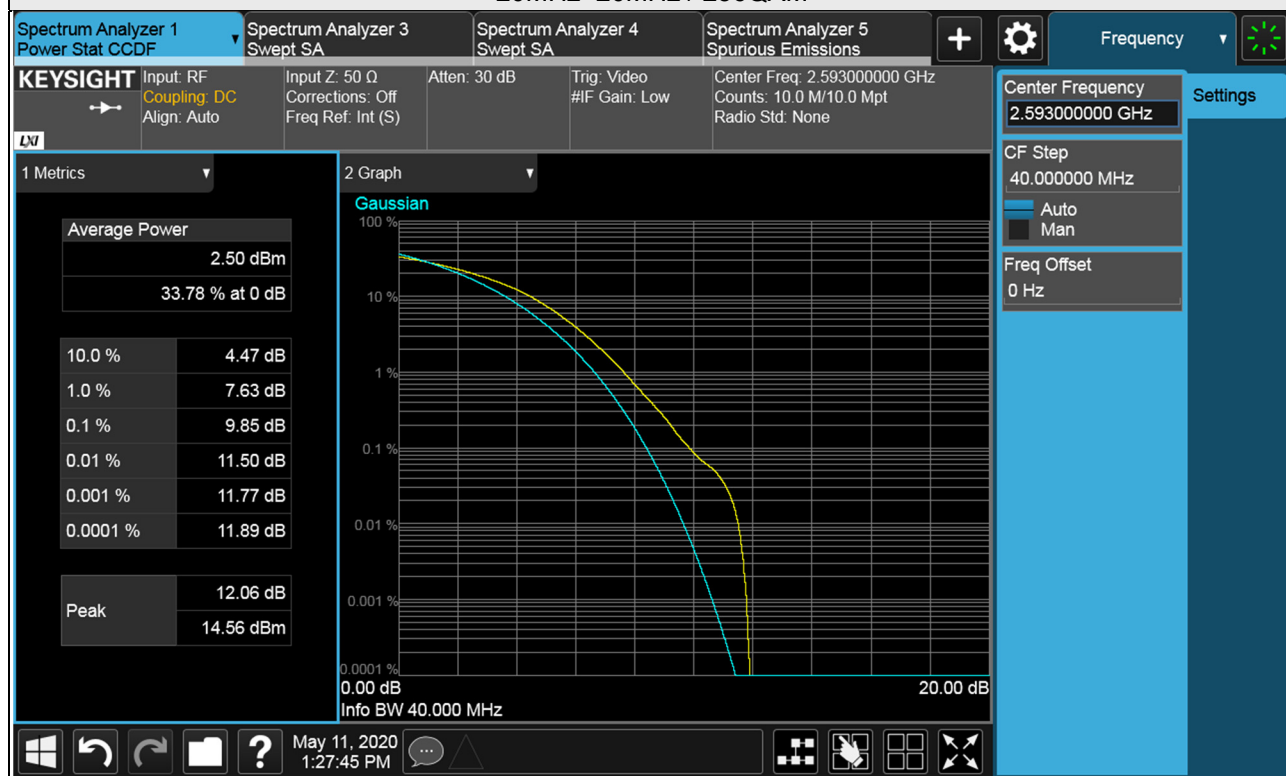
Peak To Average Ratio
Spectrum Plot of Worst Value
20MHz+20MHz / 256QAM



LTE Band 41 (CA 41C)

LTE Band 41 (CA 41C), Channel Bandwidth 20MHz+20MHz		
Channel	Frequency (MHz)	Peak To Average Ratio (dB)
		256QAM_Full RB
39750+39948	2506.0+2525.8	9.36
40521+40719	2583.1+2602.9	9.85
41292+41490	2660.2+2680.0	9.73

Peak To Average Ratio
Spectrum Plot of Worst Value
20MHz+20MHz / 256QAM



LTE Band 66 (CA 66C)

LTE Band 66 (CA 66C), Channel Bandwidth 20MHz+20MHz		
Channel	Frequency (MHz)	Peak To Average Ratio (dB)
		256QAM_Full RB
132072+132270	1720.0+1739.8	9.59
132323+132521	1745.1+1764.9	9.48
132374+132572	1750.2+1770.0	9.44

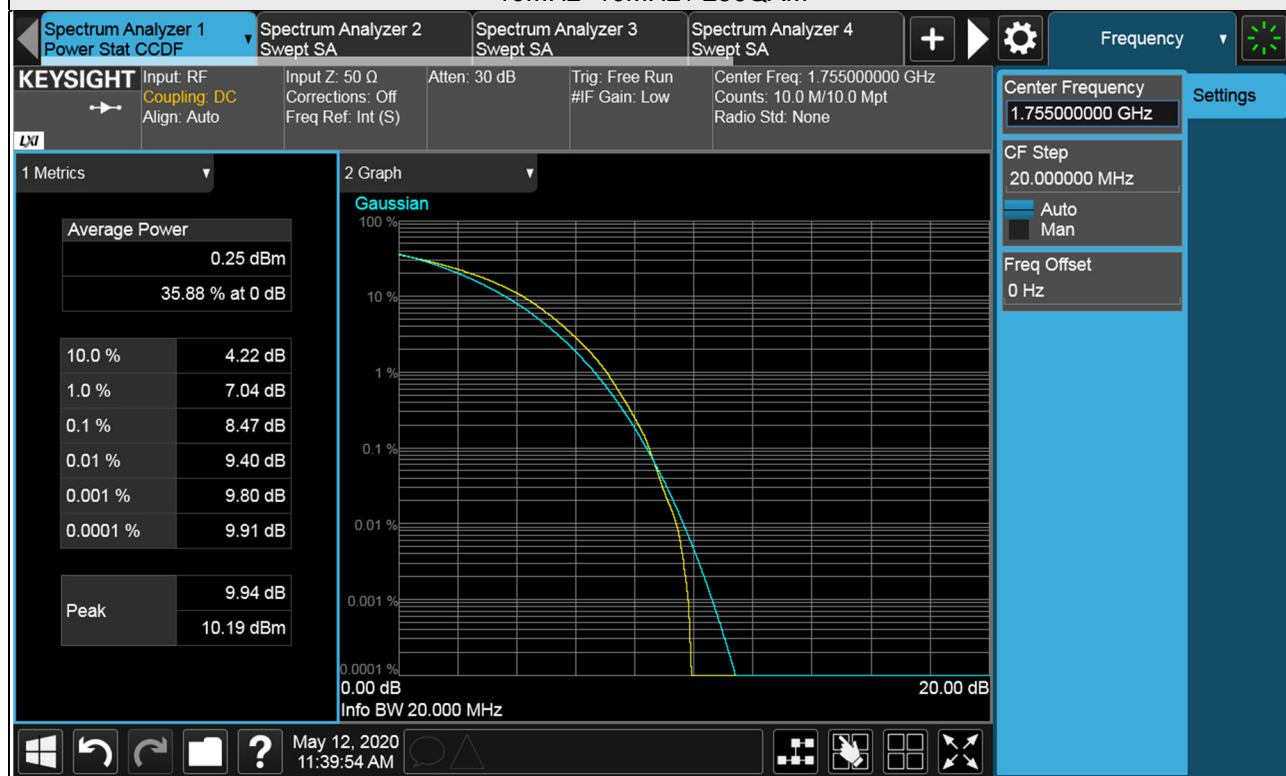
Peak To Average Ratio
Spectrum Plot of Worst Value



LTE Band 66 (CA 66B)

LTE Band 66 (CA 66B), Channel Bandwidth 10MHz+10MHz		
Channel	Frequency (MHz)	Peak To Average Ratio (dB)
		256QAM_Full RB
132022+132121	1715.0+1724.9	8.12
132373+132472	1750.1+1760.0	8.47
132523+132622	1765.1+1775.0	7.95

Peak To Average Ratio
Spectrum Plot of Worst Value
10MHz+10MHz / 256QAM



4.6 Conducted Spurious Emissions

4.6.1 Limits of Conducted Spurious Emissions Measurement

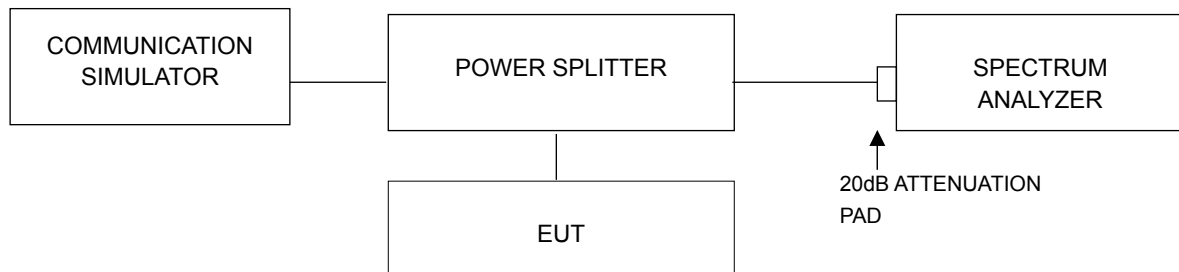
For LTE Band 66

In the FCC 27.53(h), On any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log (P)$ dB. The emission limit equal to -13dBm .

For LTE Band 7, 38, 41

In the FCC 27.53(m)(4), On any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least $55 + 10 \log (P)$ dB. The emission limit equal to -25dBm .

4.6.2 Test Setup



4.6.3 Test Procedure

- All measurements were done at 3 channels: low, middle and high operational frequency range.
- When the spectrum scanned from 9kHz to 20GHz or 26.5GHz or 27GHz, it shall be connected to the attenuator with the carried frequency.

4.6.4 Test Results

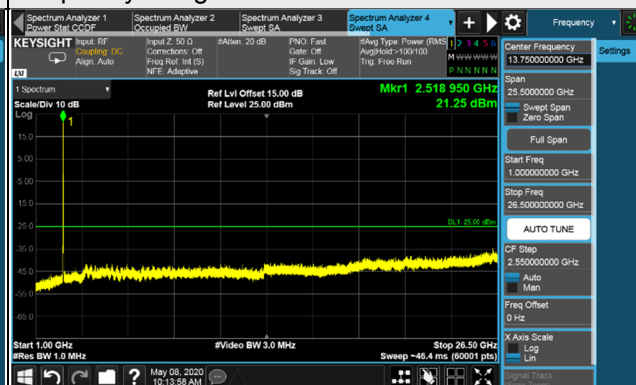
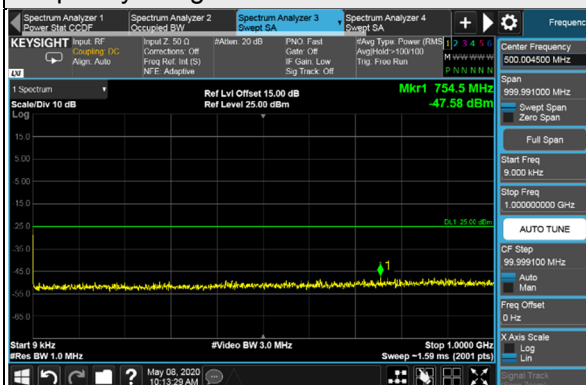
LTE Band 7 (CA 7C)

Channel Band width: 20MHz+20MHz

Channel 20850(2510.0MHz)+21048(2529.8MHz)

Frequency Range : 9kHz~1GHz

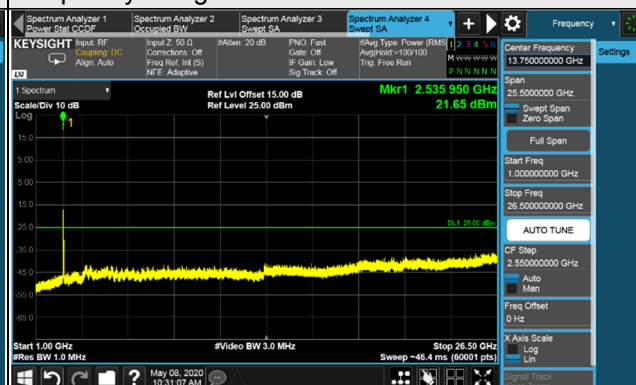
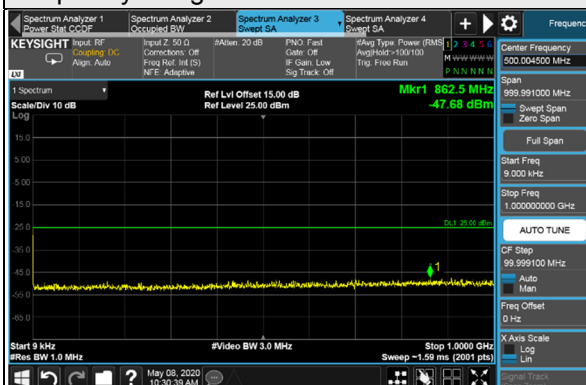
Frequency Range : 1GHz~26.5GHz



Channel 21001(2525.1MHz)+21199(2544.9MHz)

Frequency Range : 9kHz~1GHz

Frequency Range : 1GHz~26.5GHz



Channel 21152(2540.2MHz)+21350(2560.0MHz)

Frequency Range : 9kHz~1GHz

Frequency Range : 1GHz~26.5GHz

