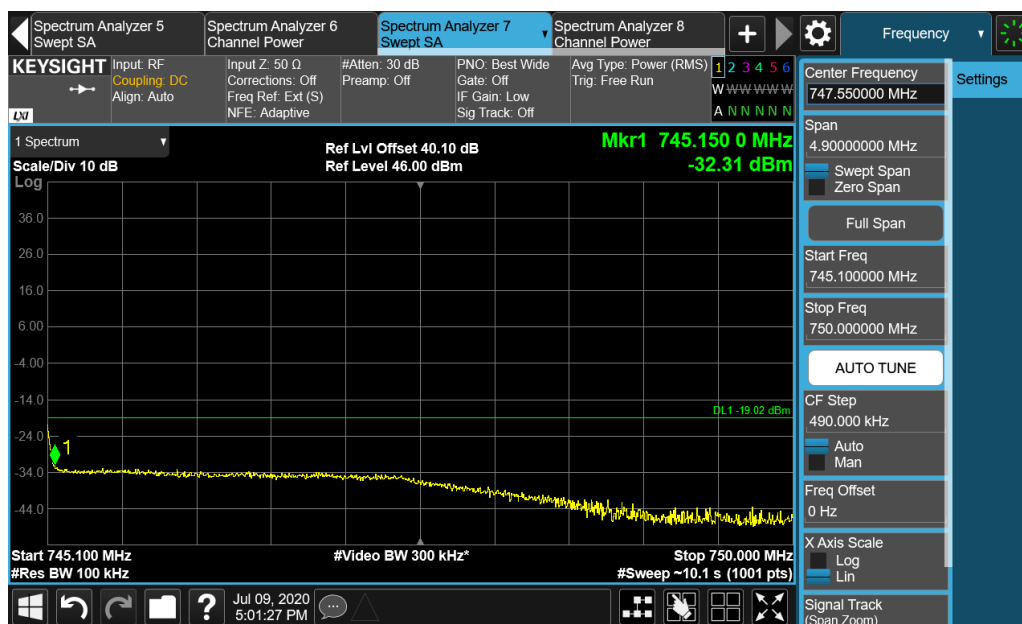
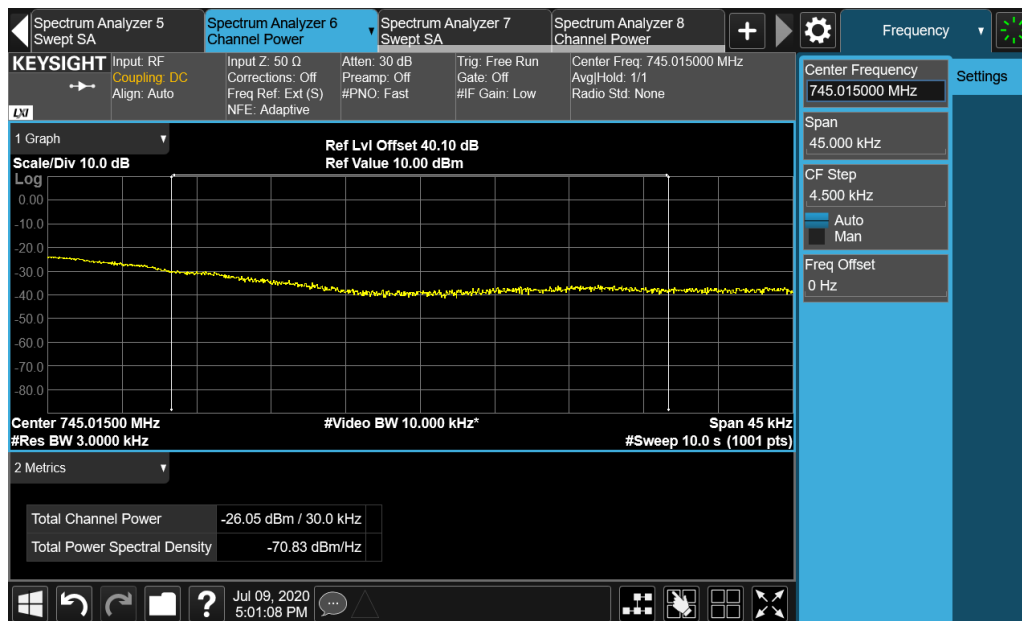


TEST REPORT

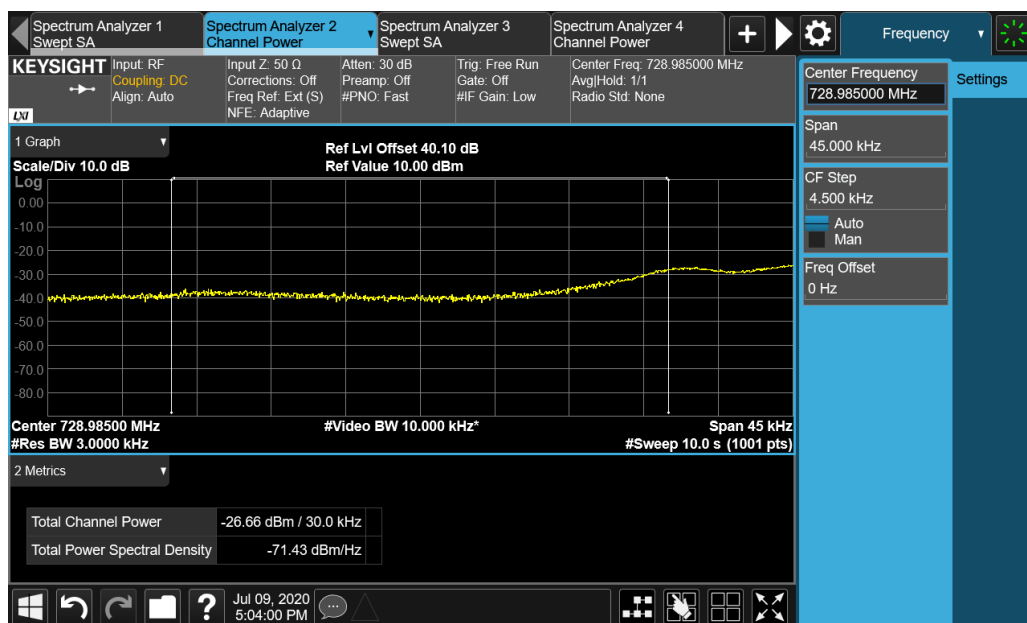
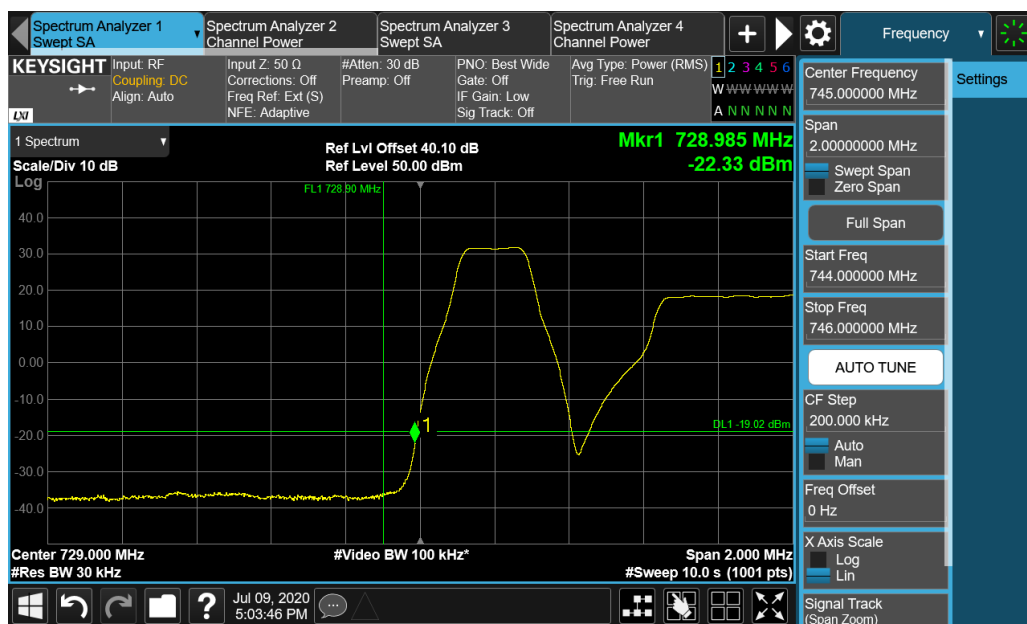


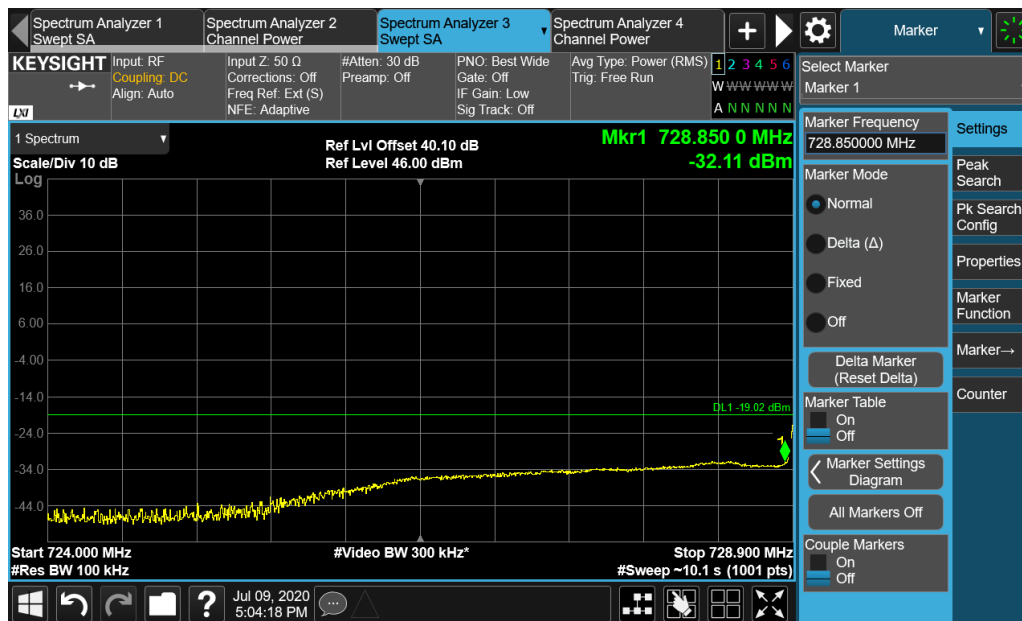
TEST REPORT

Configuration NR+LTE+NB-IoT-MC-1-BE

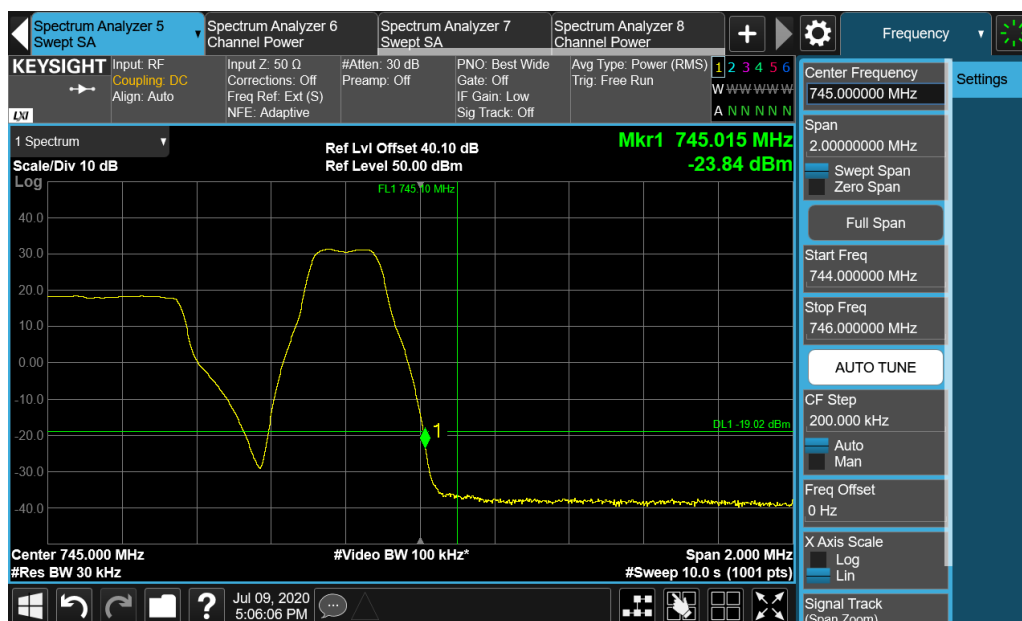
Antenna Port	Channel Position	Modulation	NR Channel Bandwidth (MHz)	LTE Channel Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	5	30	-19
					100	-19
D	T	QPSK	5	5	30	-19
					100	-19

Channel Position B

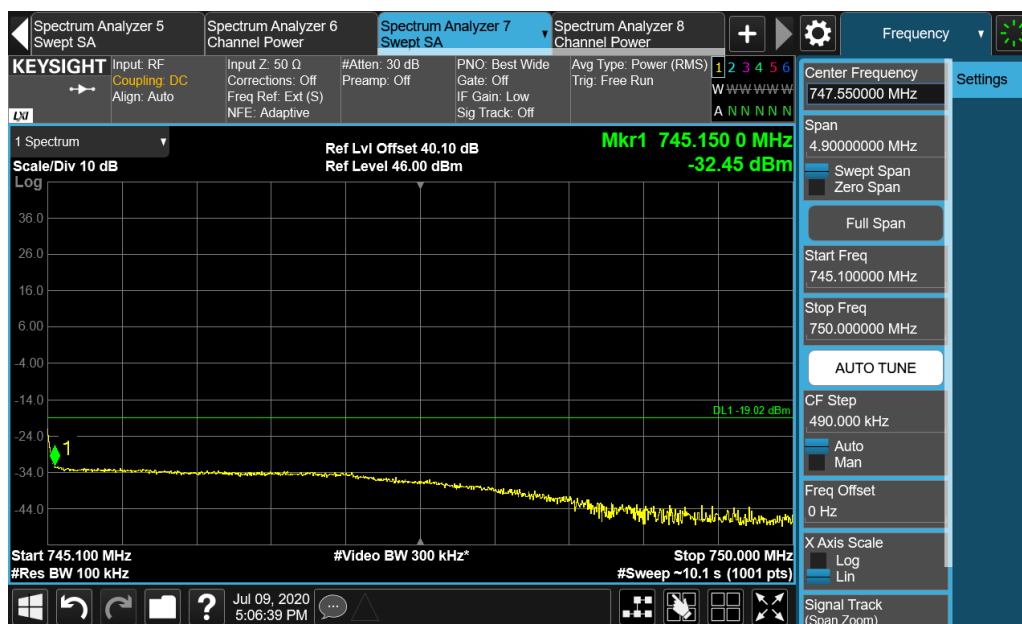
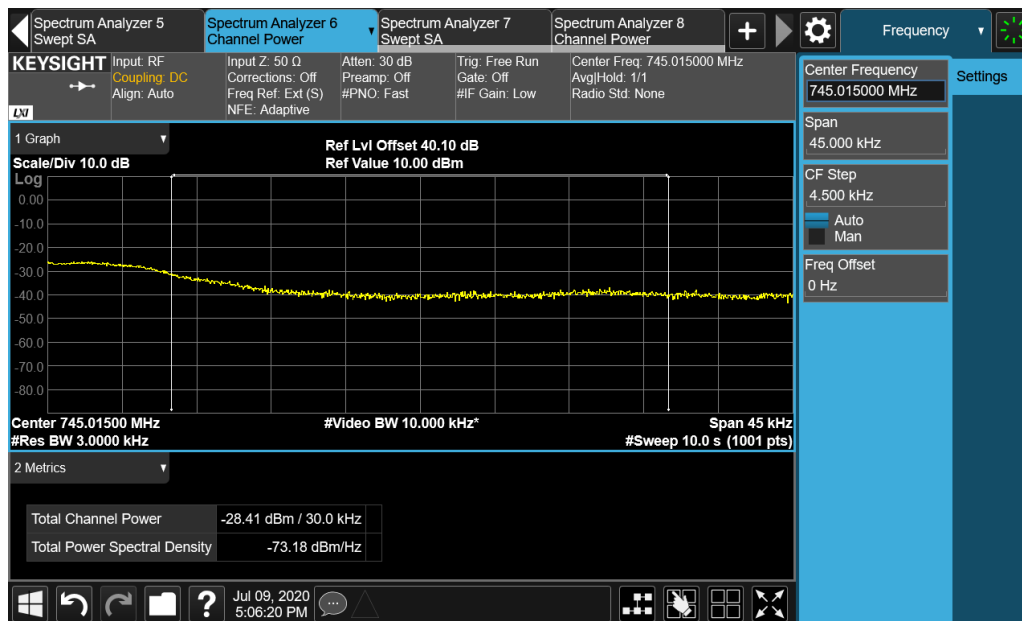




Channel Position T



TEST REPORT

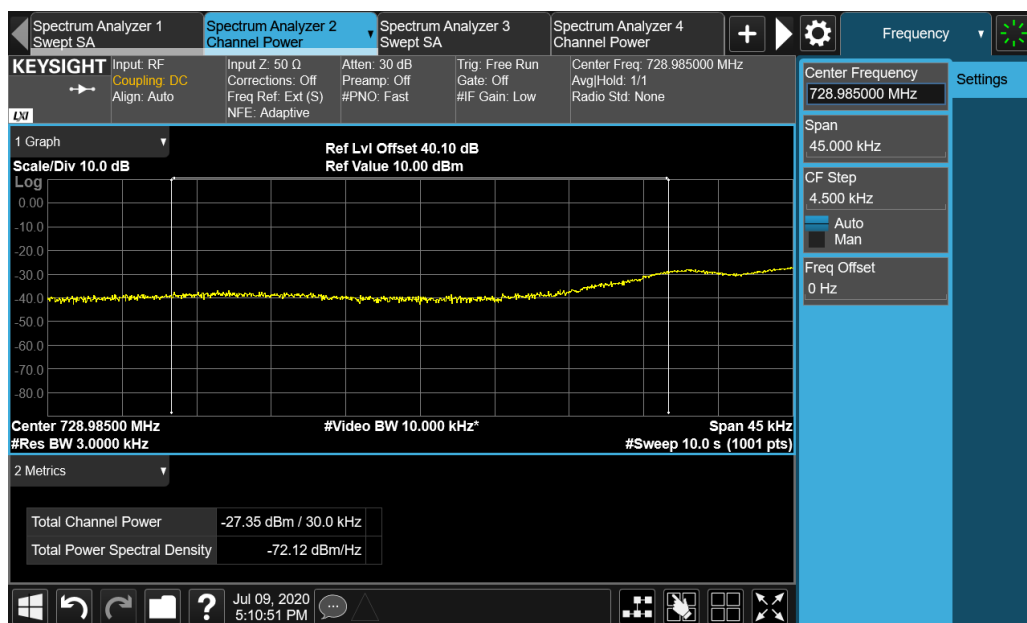
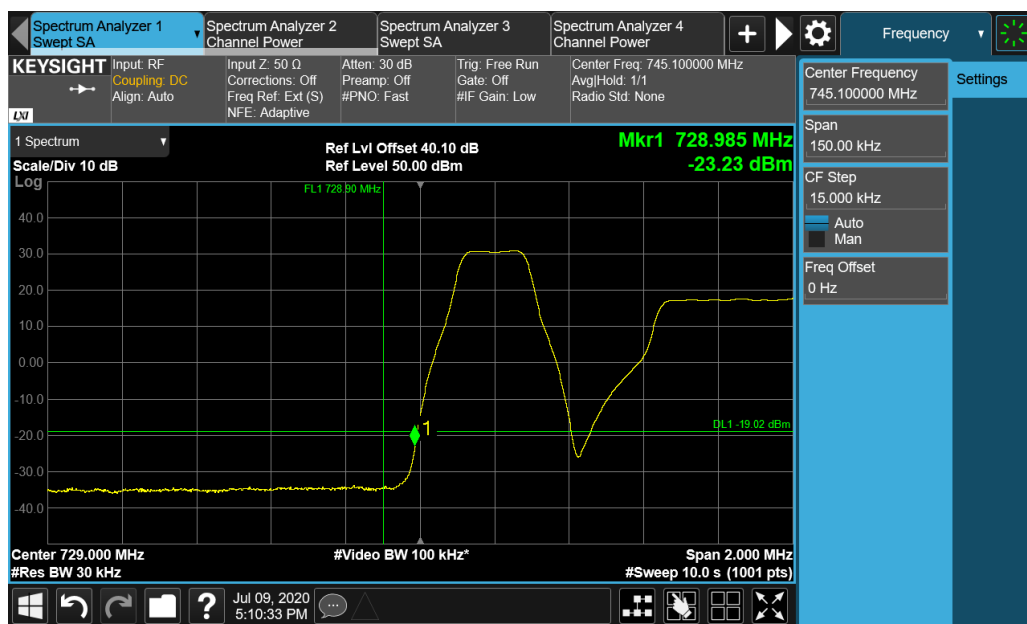


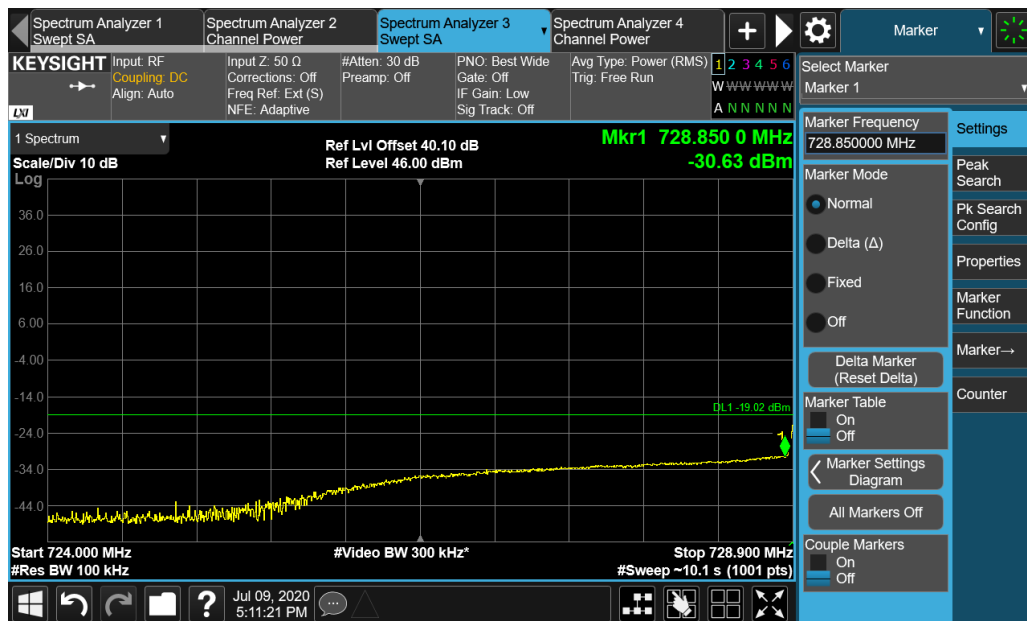
TEST REPORT

Configuration NR+LTE+NB-IoT-MC-2-BE

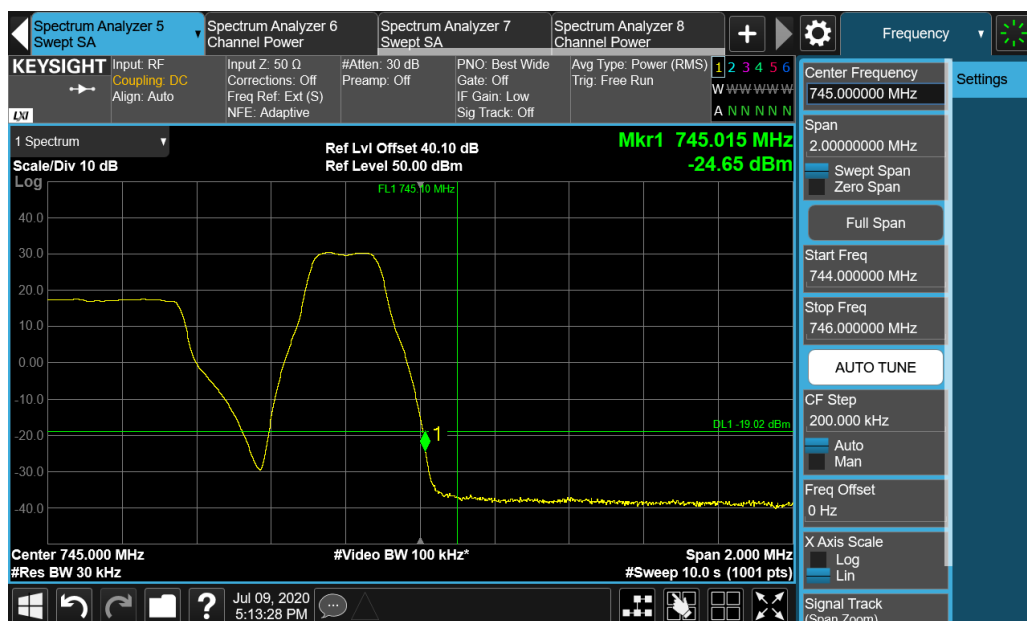
Antenna Port	Channel Position	Modulation	NR Channel Bandwidth (MHz)	LTE Channel Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	5	30	-19
					100	-19
D	T	QPSK	5	5	30	-19
					100	-19

Channel Position B

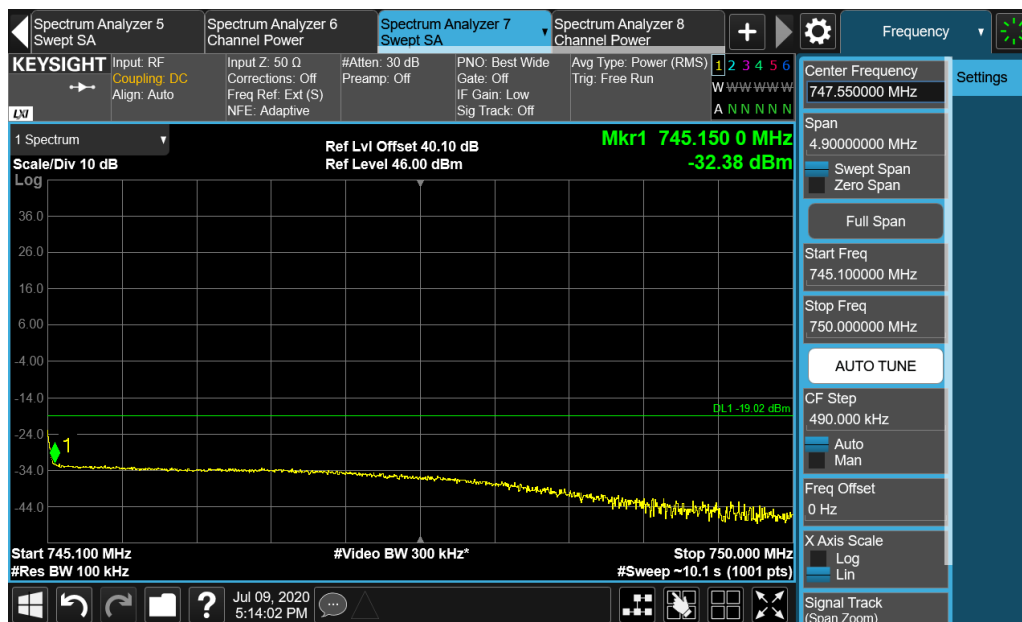
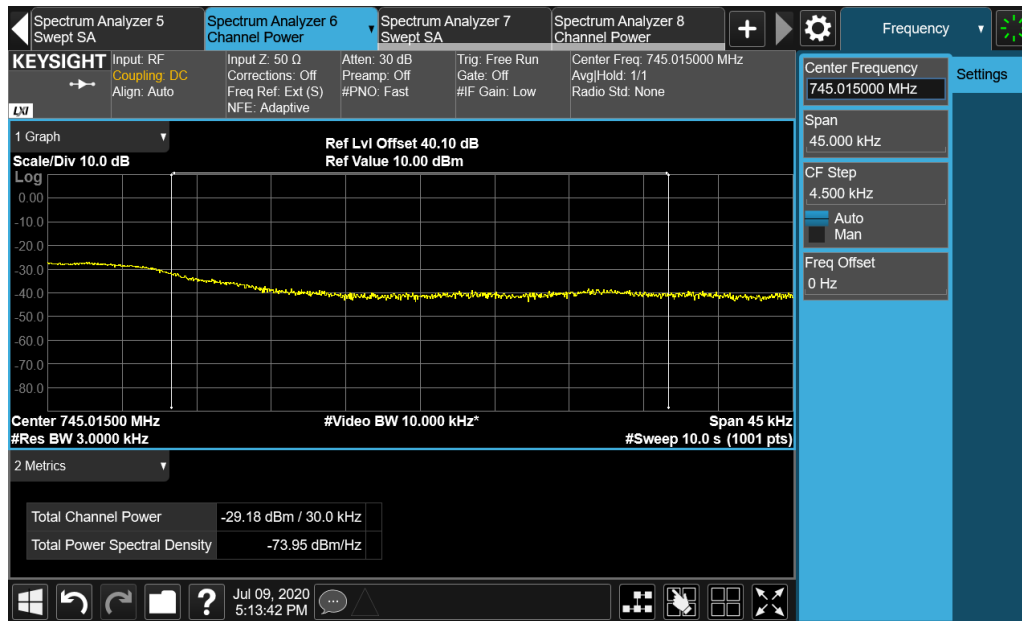




Channel Position T



TEST REPORT



6 Conducted Unwanted Emission

Test result: Pass

6.1 Limit

The 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.

6.2 Measurement Procedure

In accordance with FCC rules, the 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.

The spurious emissions from the antenna terminal were measured. The transmitter output power was attenuated using an attenuator and the frequency spectrum investigated from 9kHz to 8GHz. The resolution bandwidth of 1MHz was employed for frequency band 9kHz to 8GHz. The spectrum analyzer detector was set to RMS.

For MIMO mode configurations, the limit was adjusted with a correction of -6dB [$10\log(1/4)$] by using the Measure and Add $10\log(N)$ dB technique according to KDB 662911 D01 Multiple Transmitter Output accounting for simultaneous transmission from antenna ports. Then the limit was adjusted to -19dBm.

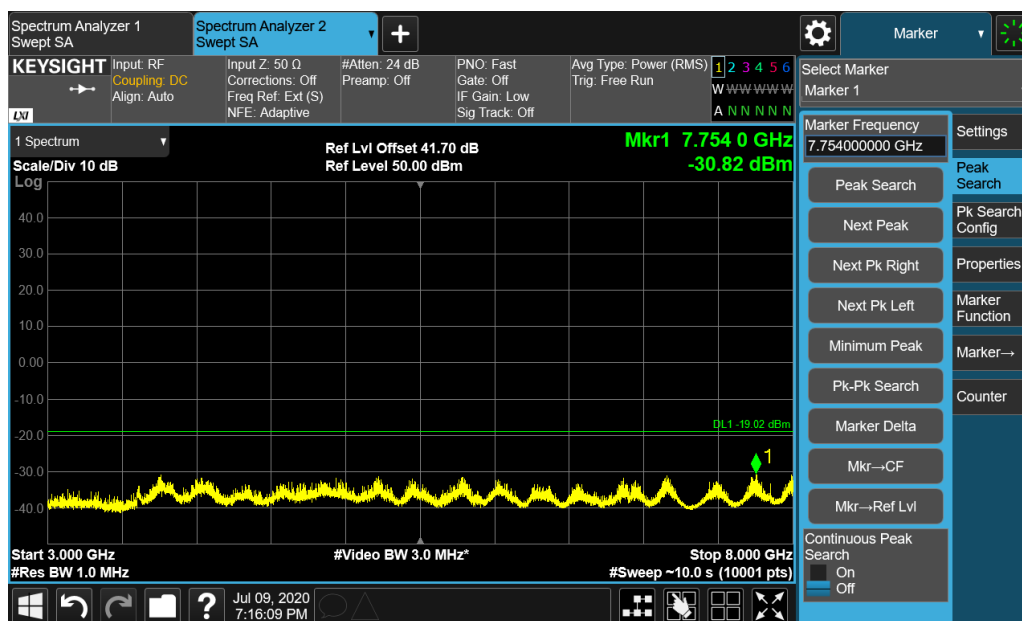
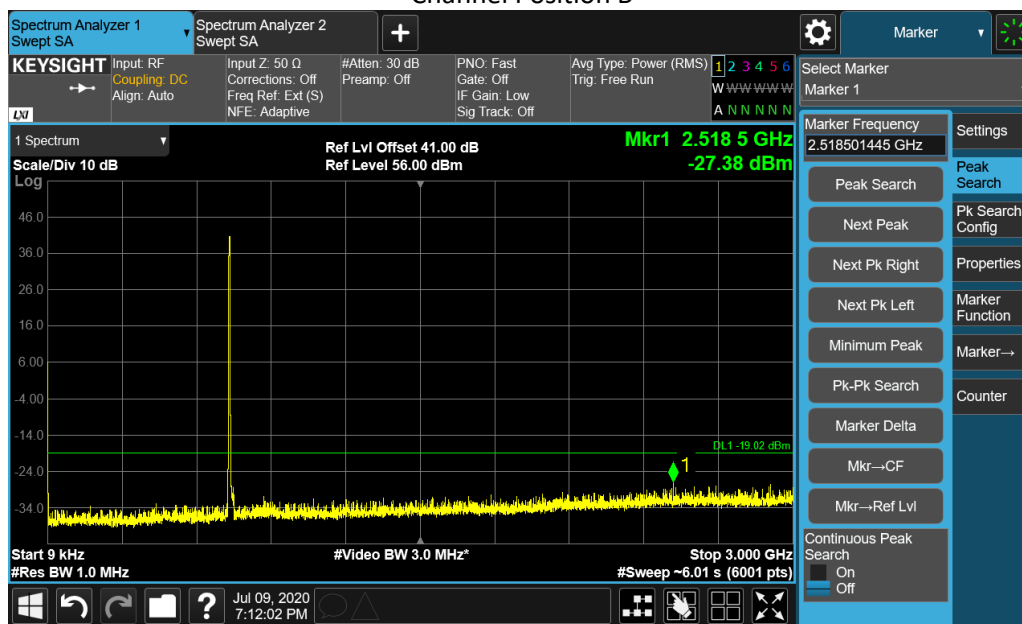
For NB-IoT SA mode, 2TX diversity is supported, so the limit was adjusted with a correction of -3dB [$10\log(1/2)$], then the limit was adjusted to -16dBm.

6.3 Measurement result

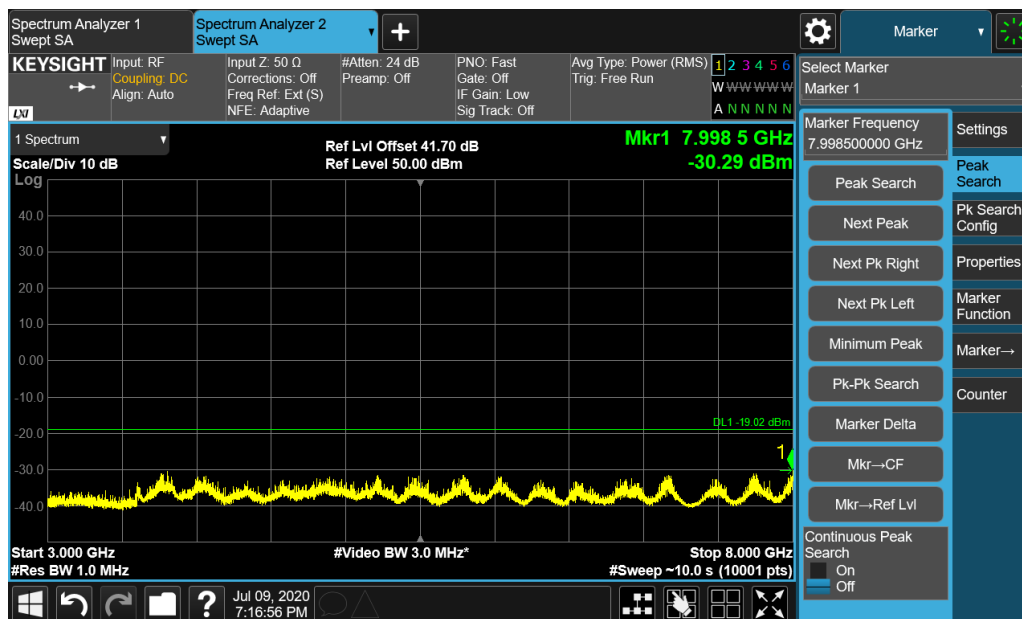
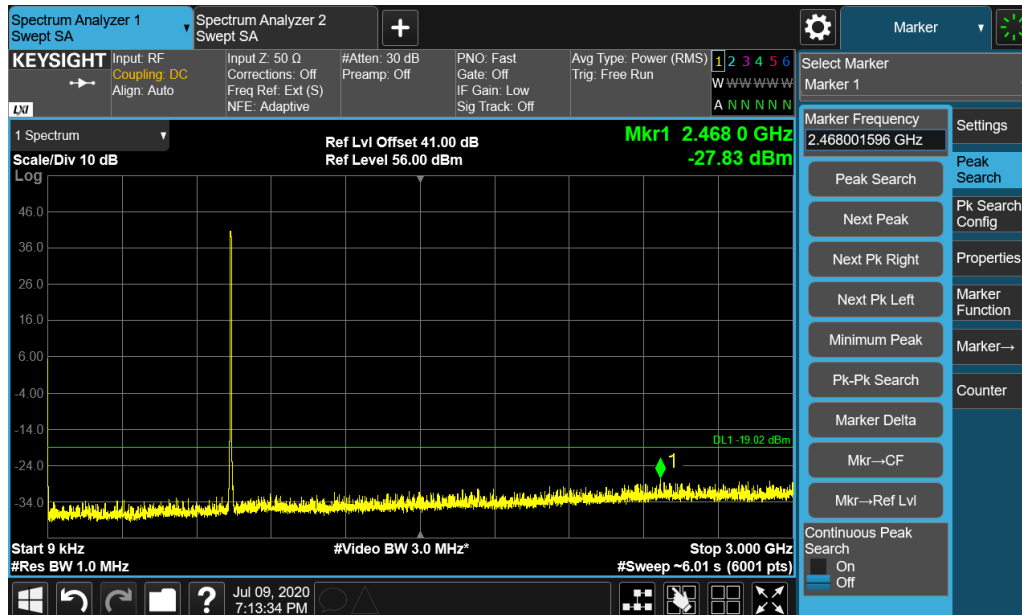
Configuration NR-MIMO-1C

Antenna Port	Channel Position	NR Modulation	NR Channel Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	1000	-19
D	M	QPSK	5	1000	-19
D	T	QPSK	5	1000	-19

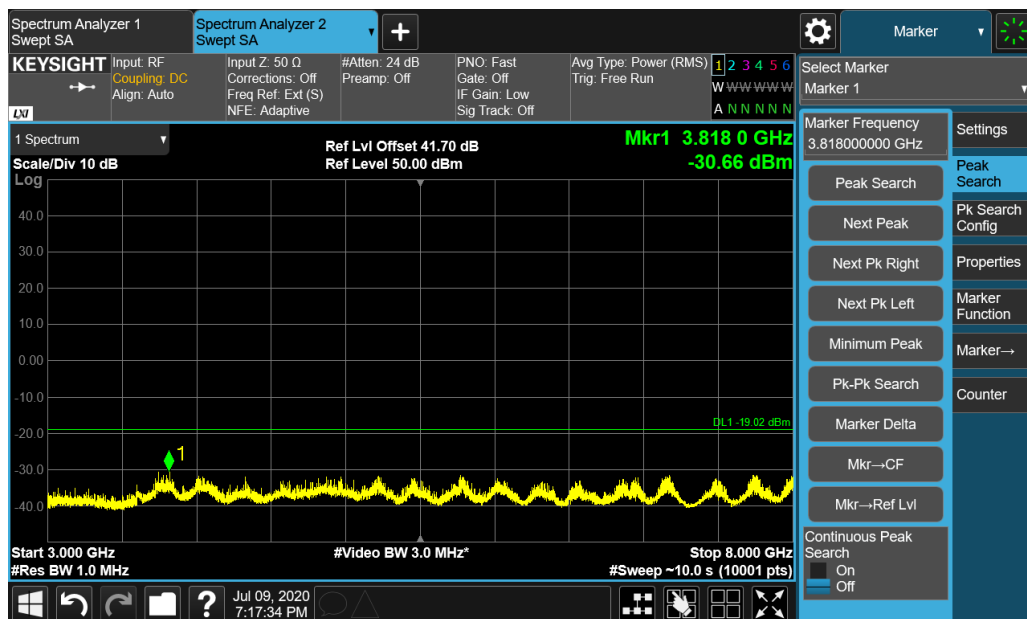
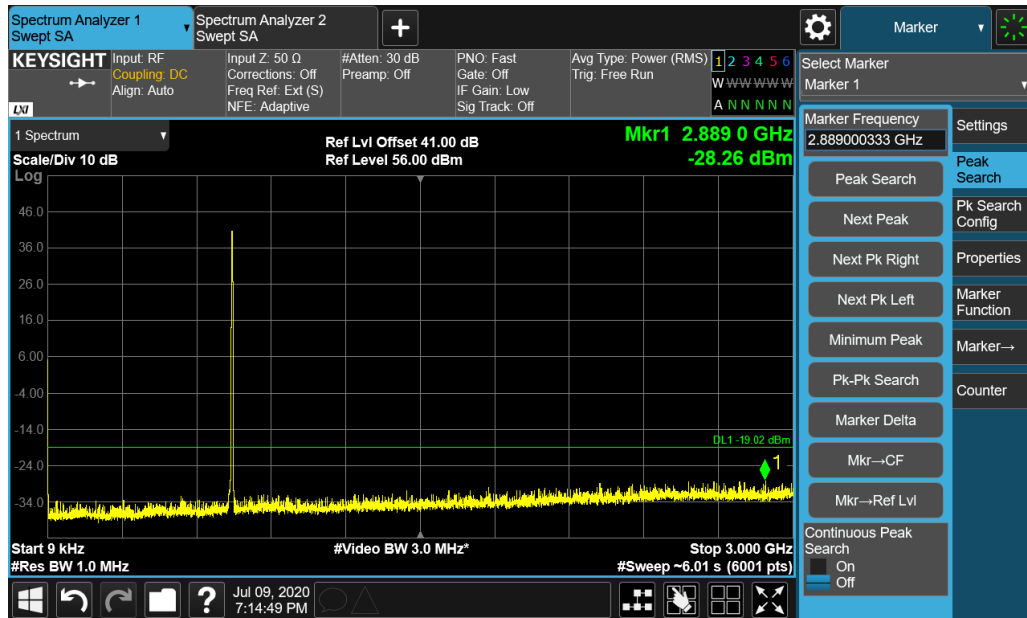
Channel Position B



Channel Position M

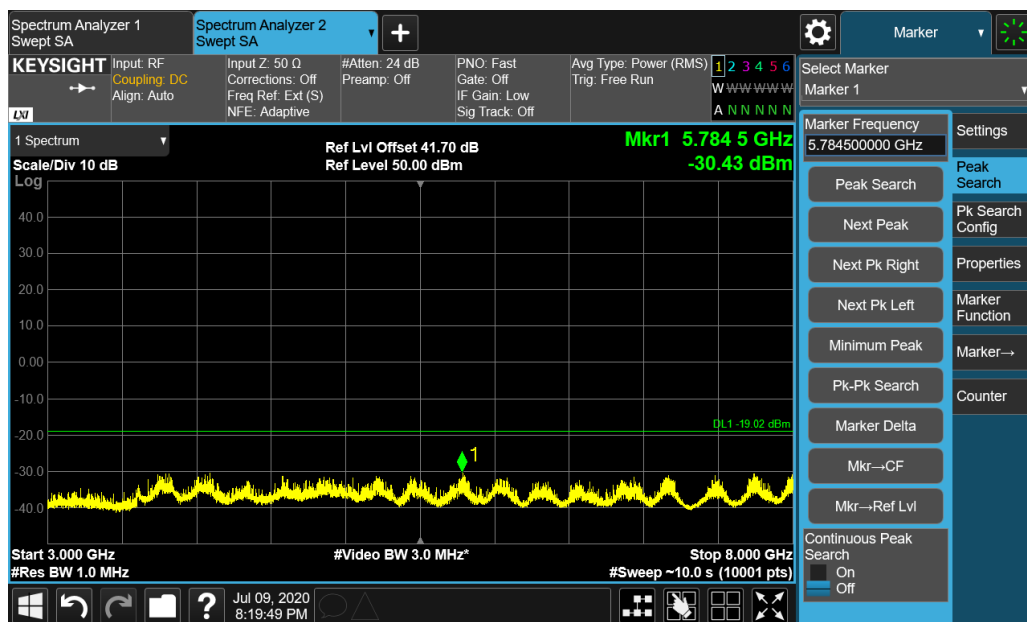
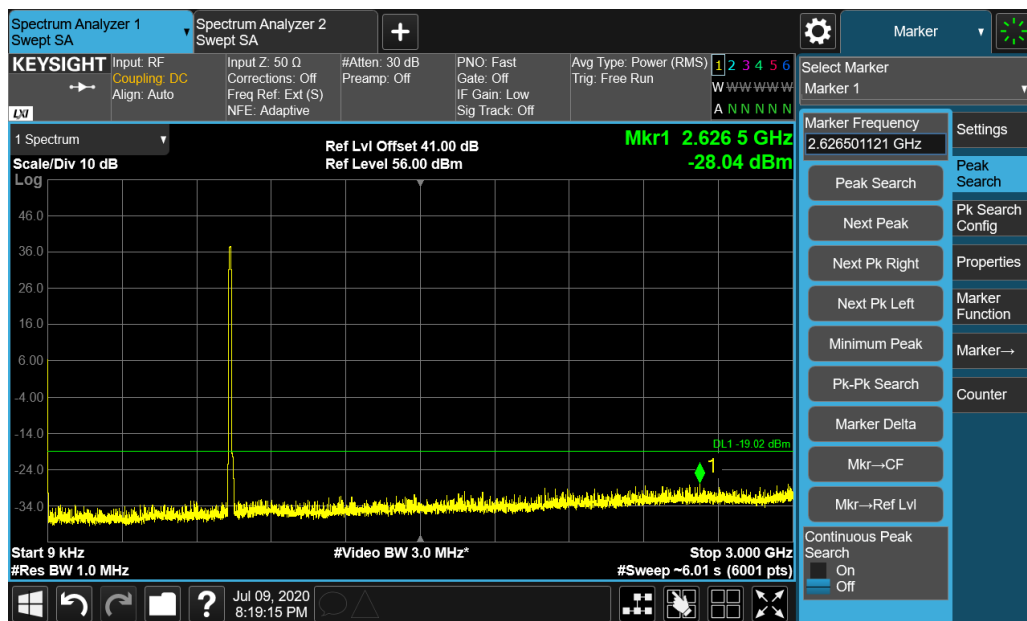


Channel Position T

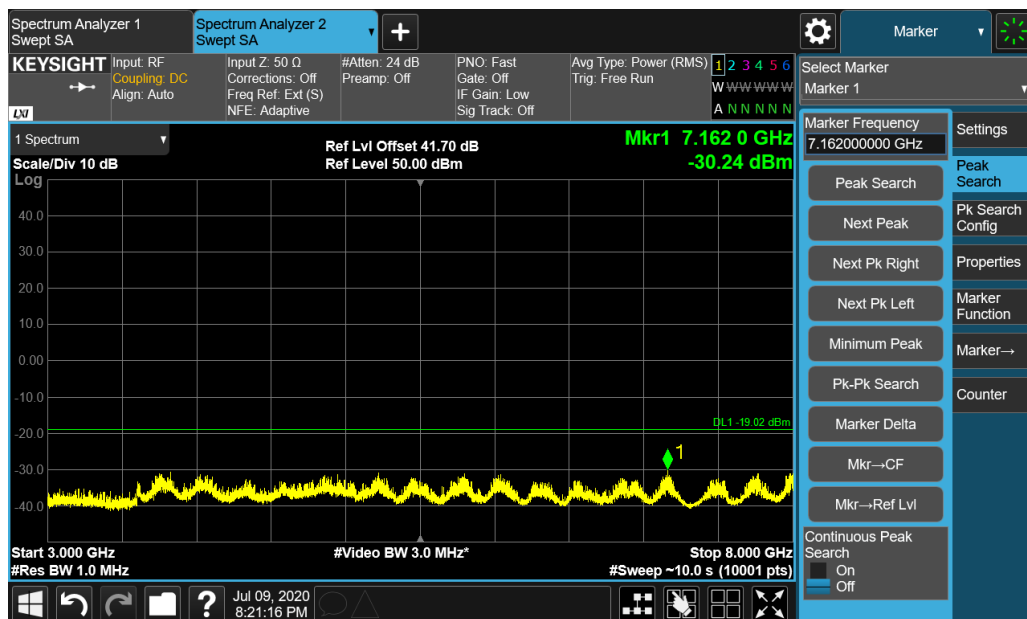
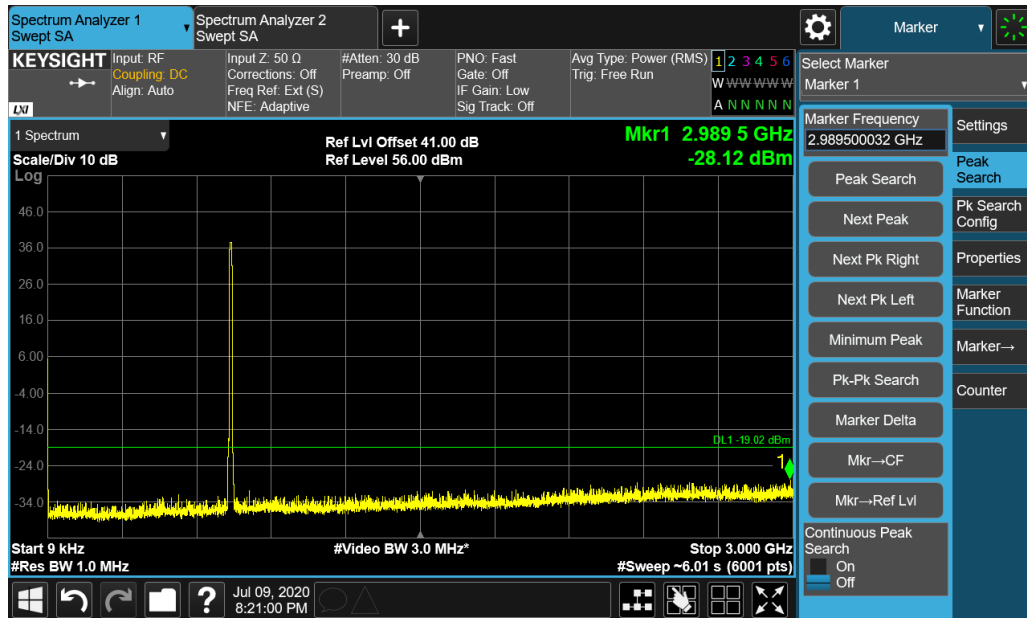


Antenna Port	Channel Position	NR Modulation	NR Channel Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	10	1000	-19
D	M	QPSK	10	1000	-19
D	T	QPSK	10	1000	-19

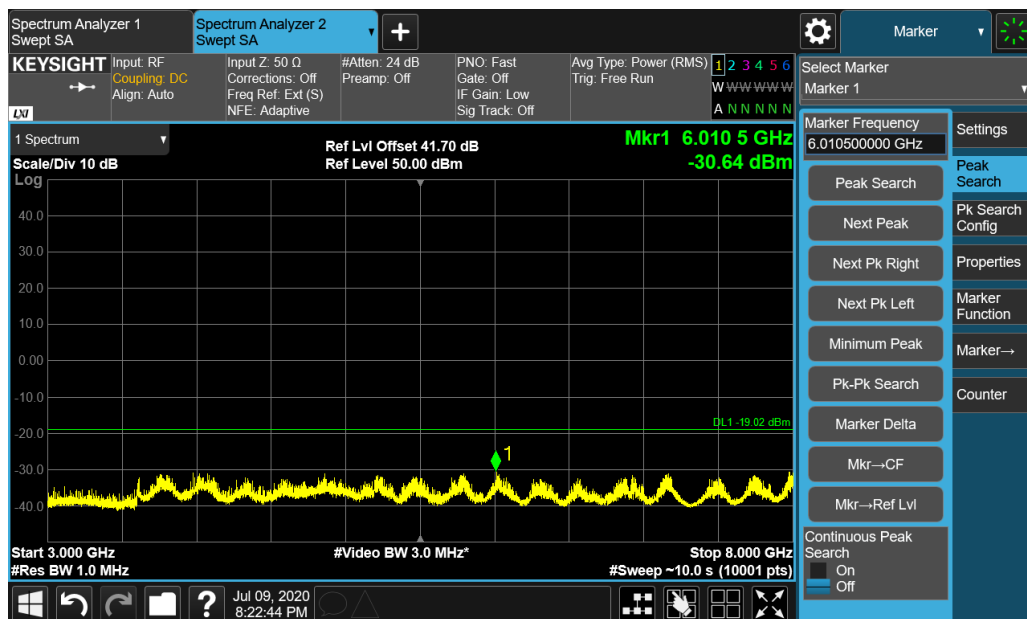
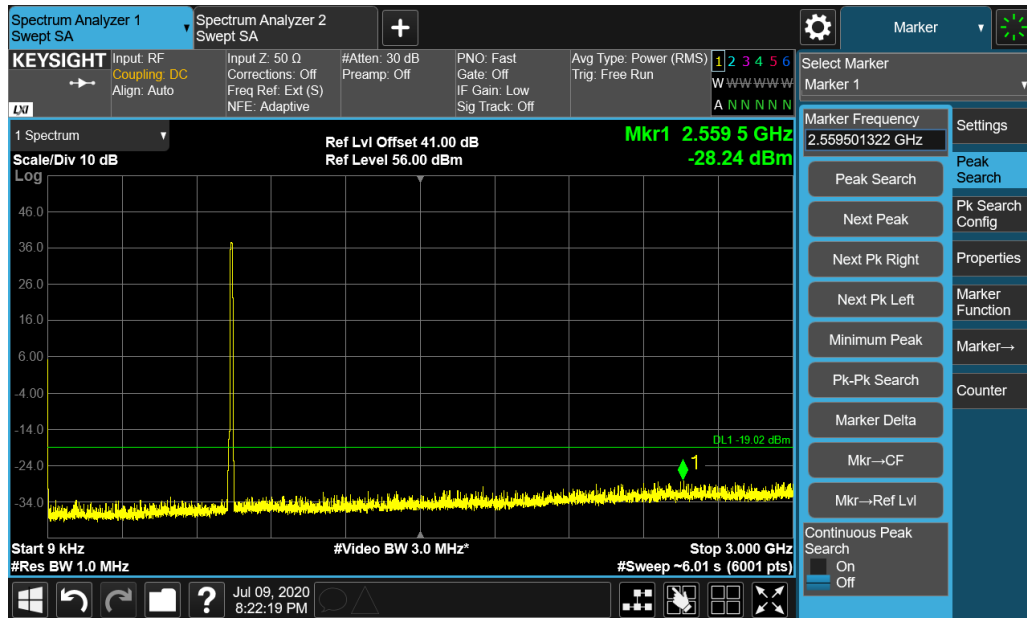
Channel Position B



Channel Position M

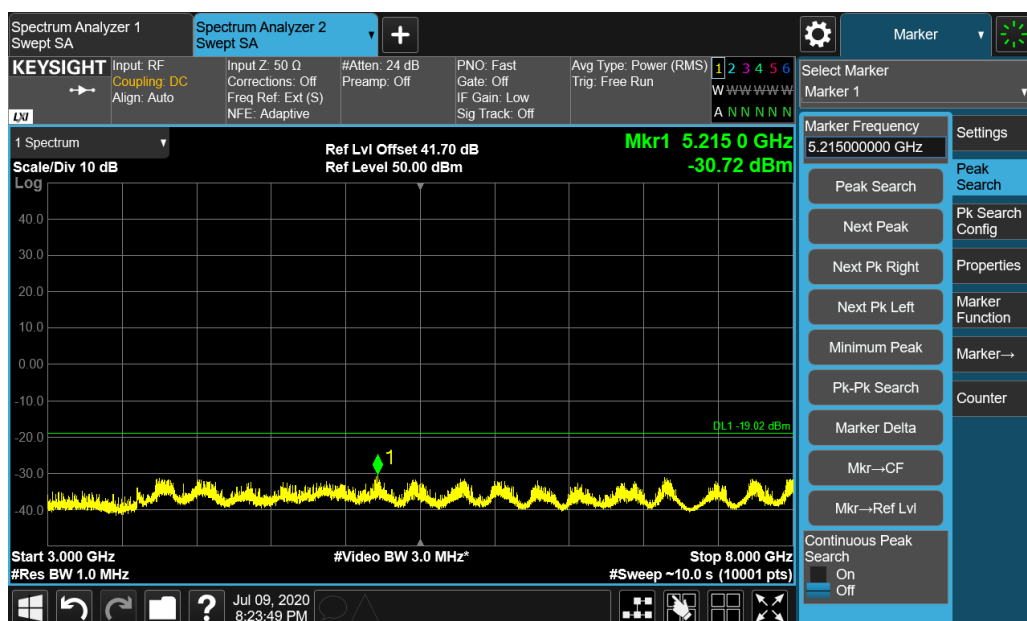
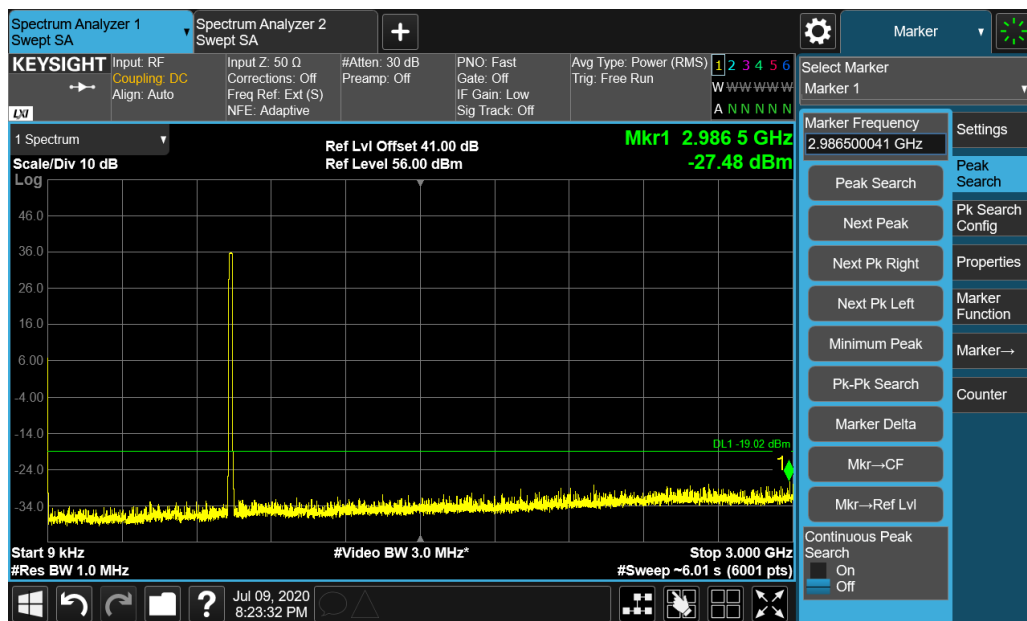


Channel Position T

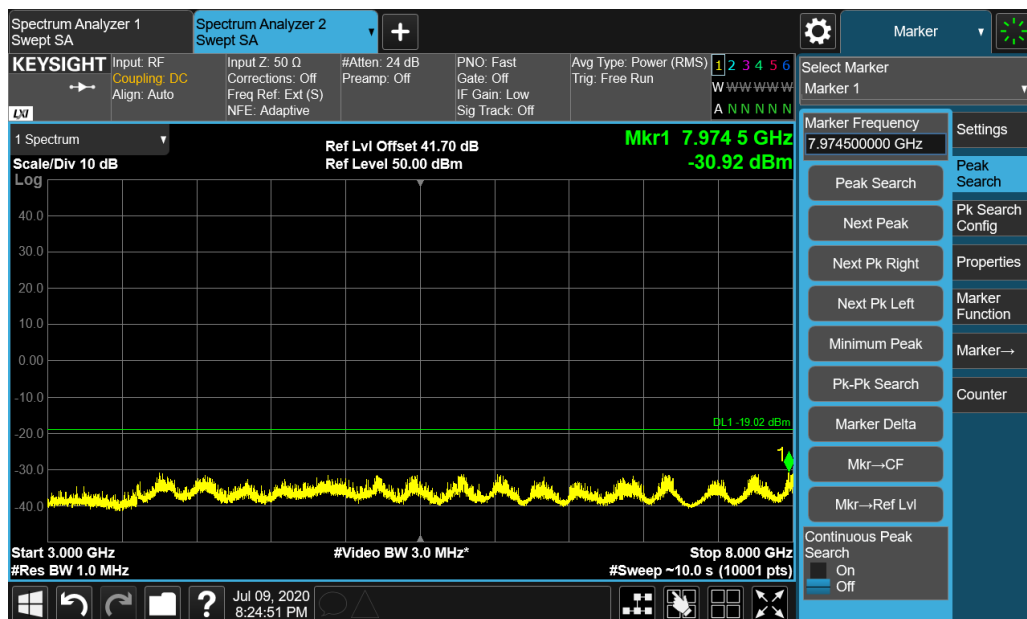
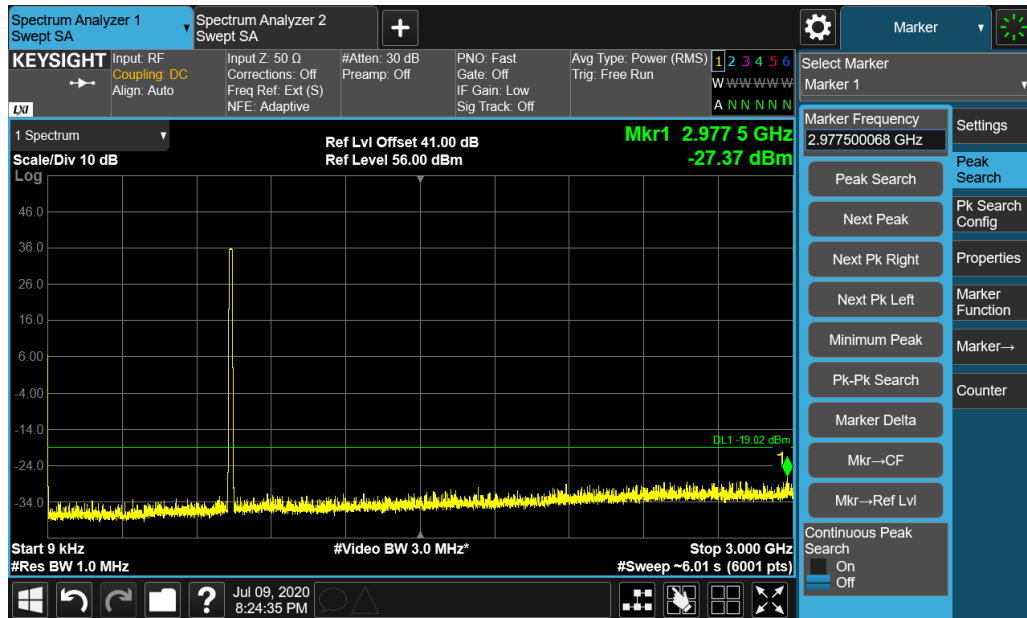


Antenna Port	Channel Position	NR Modulation	NR Channel Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	15	1000	-19
D	M	QPSK	15	1000	-19
D	T	QPSK	15	1000	-19

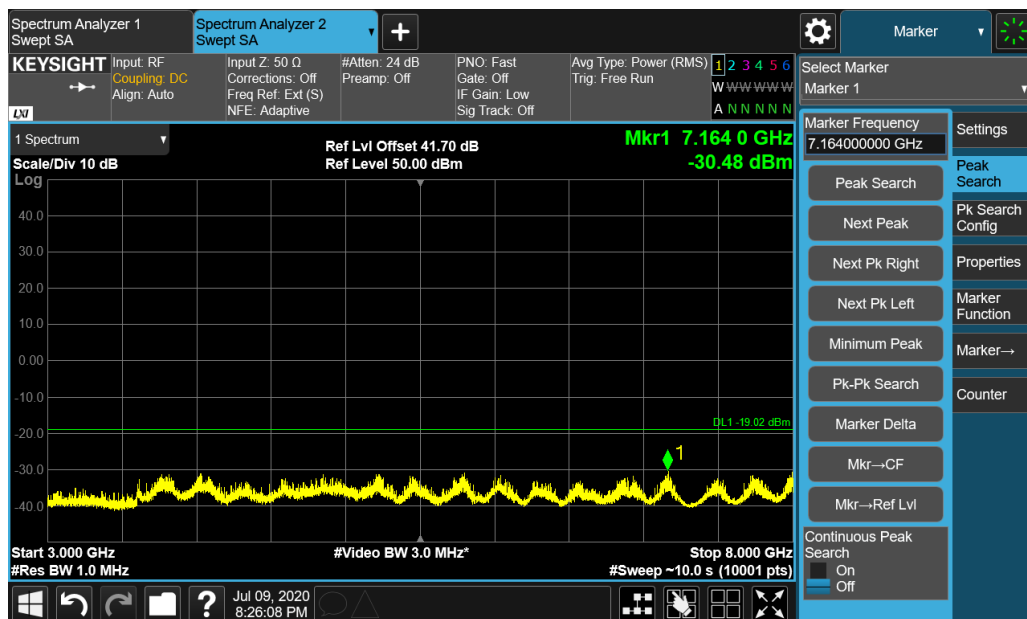
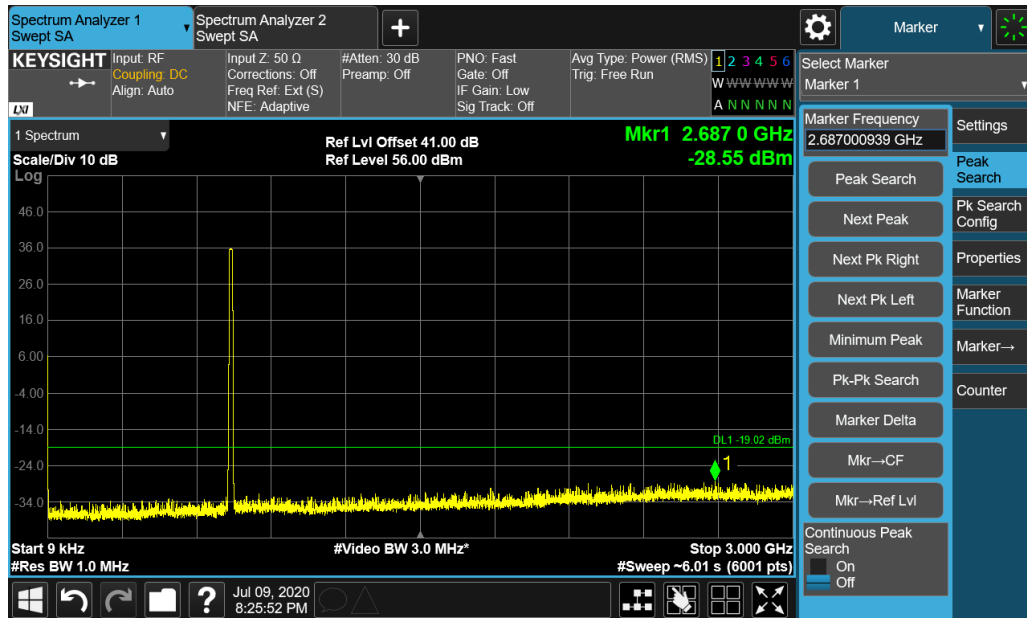
Channel Position B



Channel Position M



Channel Position T

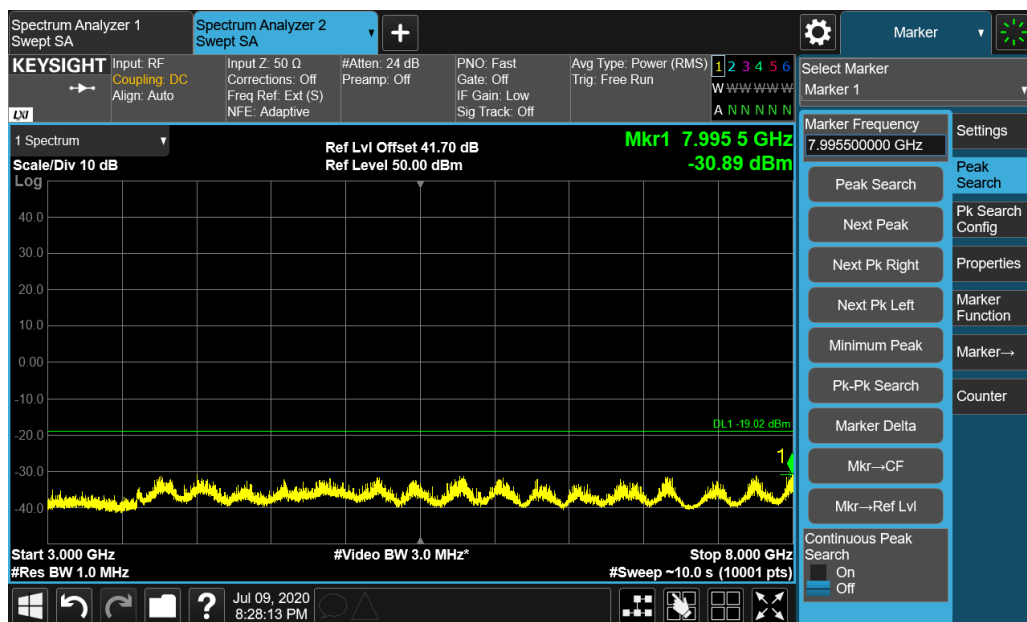
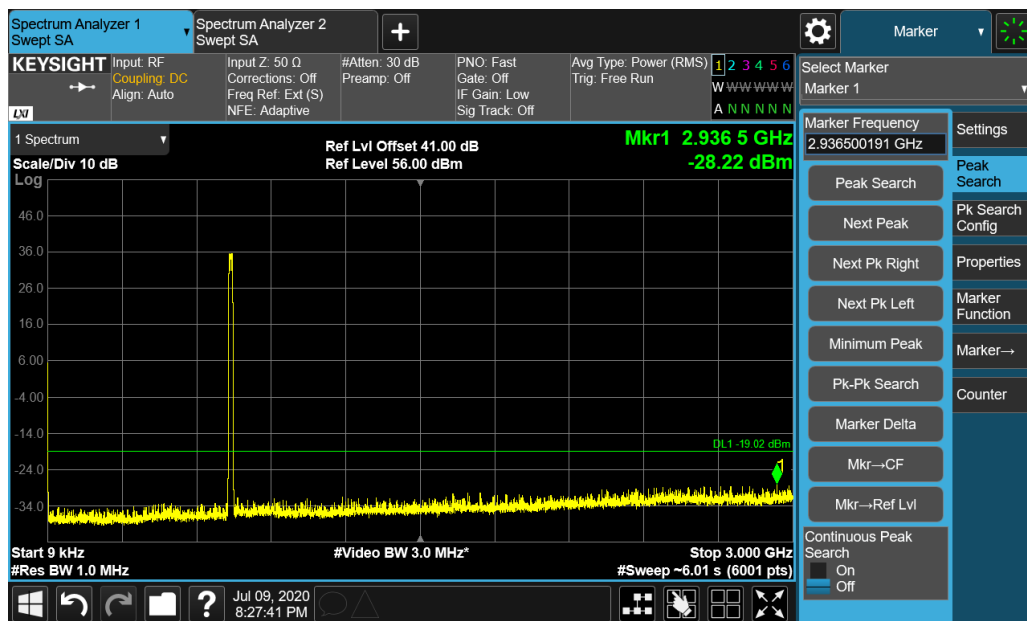


TEST REPORT

Configuration NR-MIMO-3C

Antenna Port	Channel Position	NR Modulation	NR Channel Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	1000	-19
D	M	QPSK	5	1000	-19
D	T	QPSK	5	1000	-19

Channel Position M

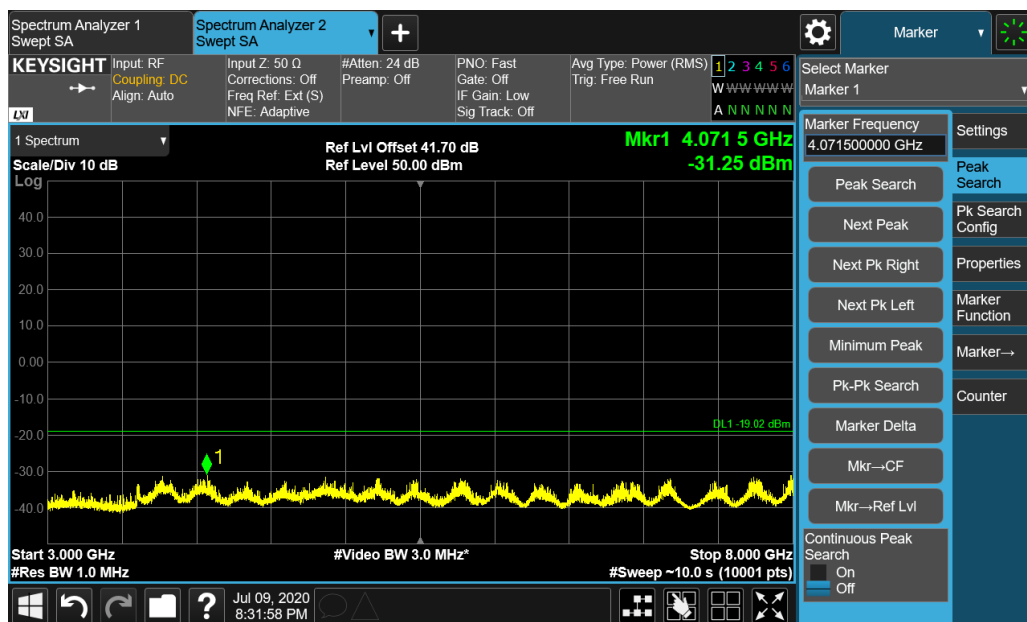
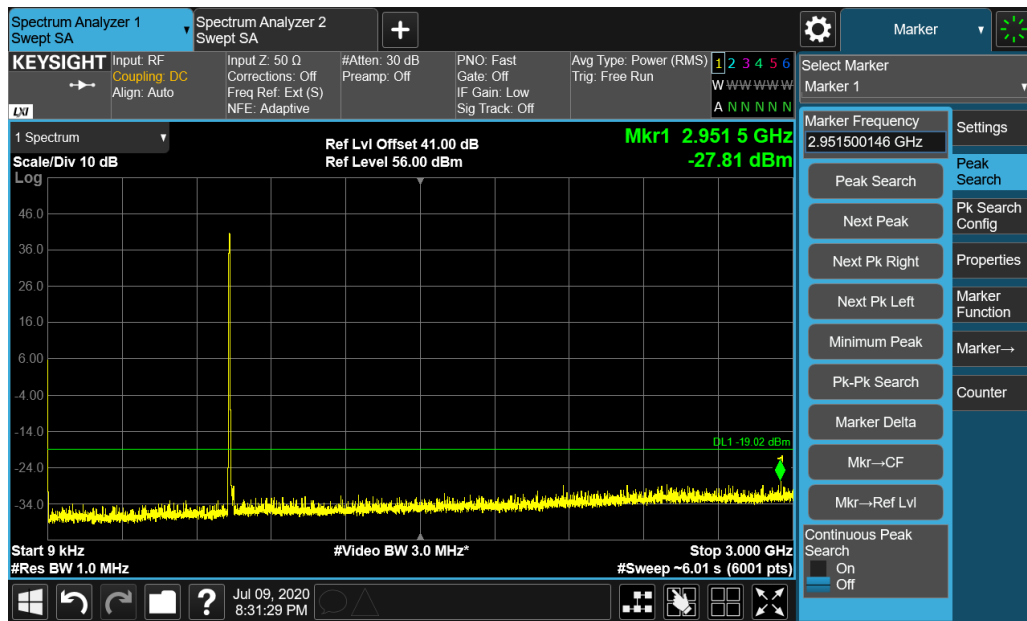


TEST REPORT

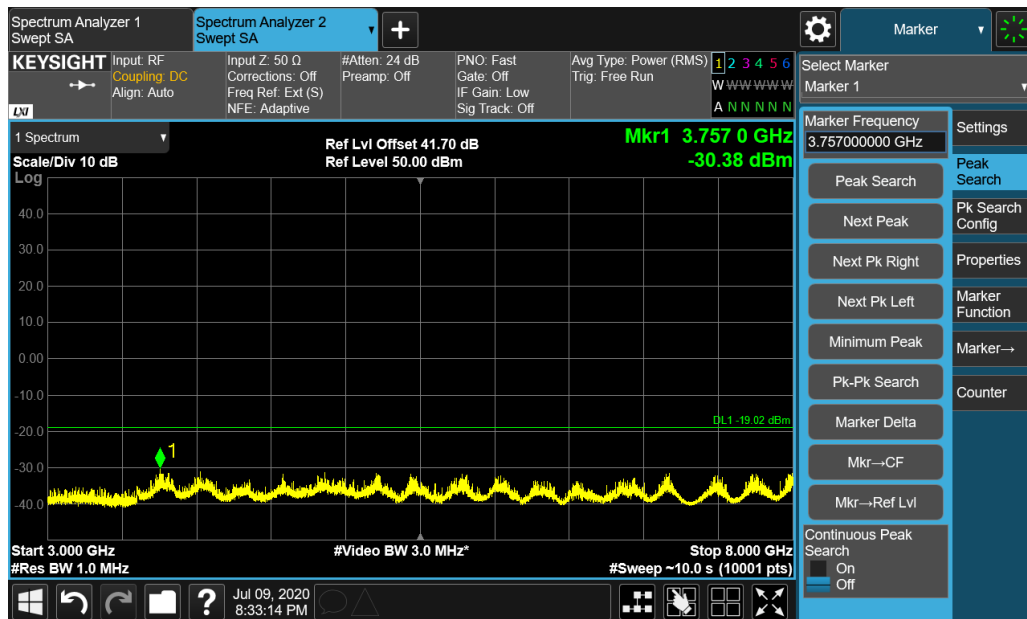
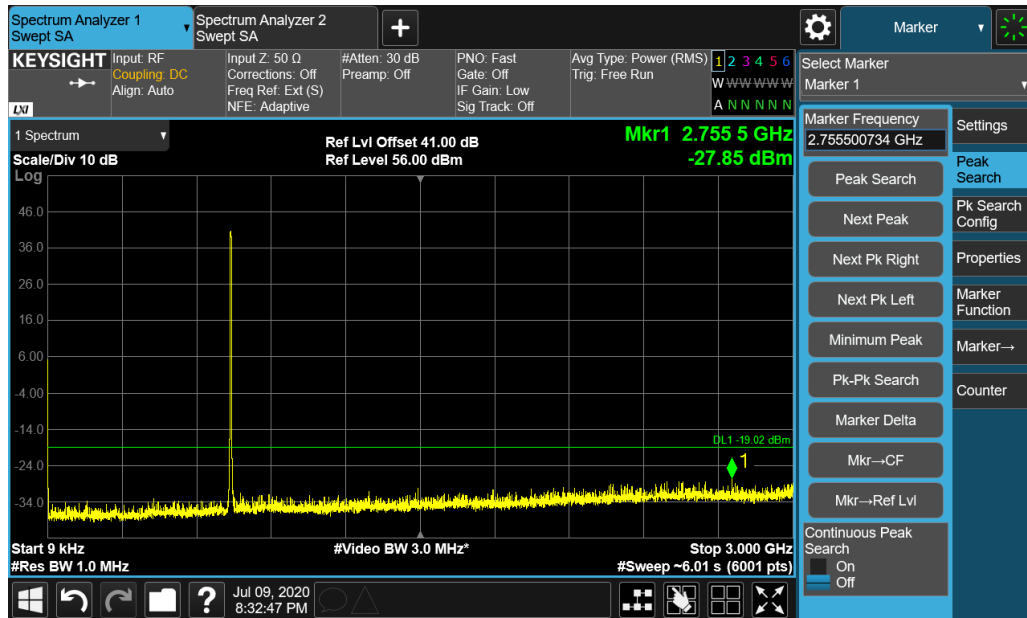
Configuration LTE-MIMO-1C

Antenna Port	Channel Position	LTE Modulation	LTE Channel Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	5	1000	-19
D	M	QPSK	5	1000	-19
D	T	QPSK	5	1000	-19

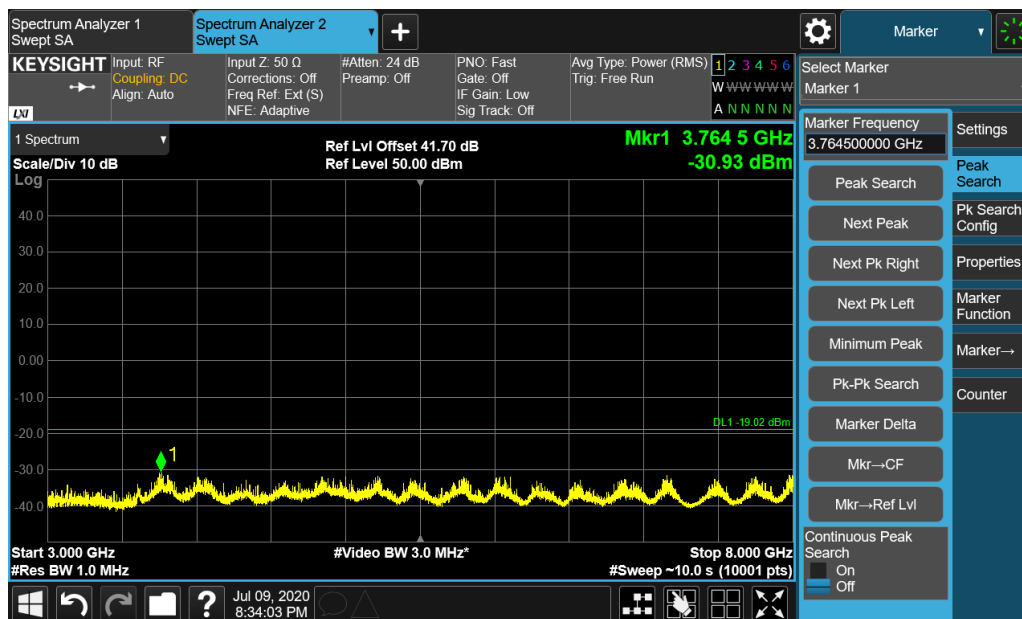
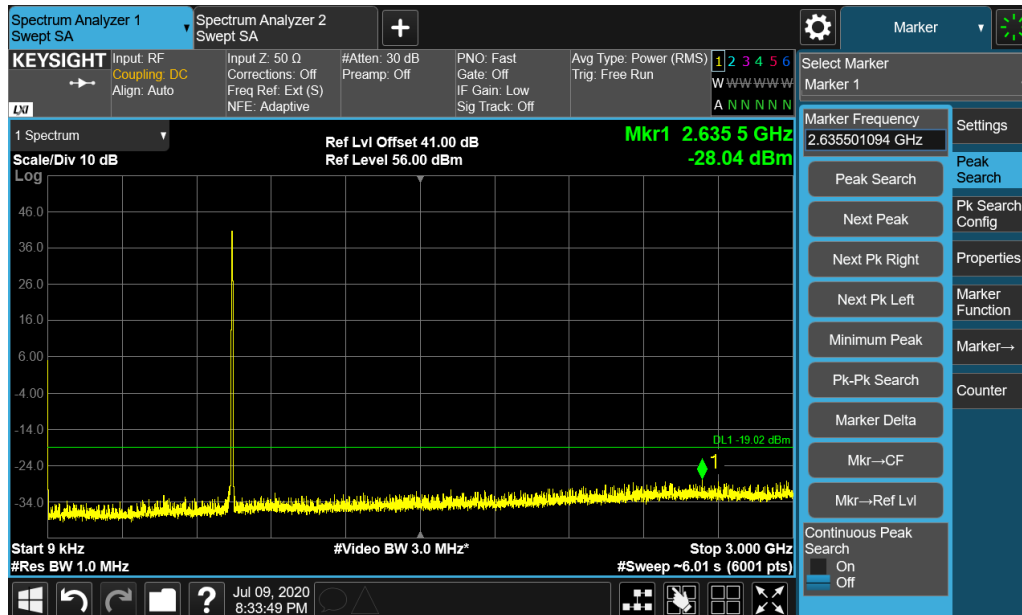
Channel Position B



Channel Position M

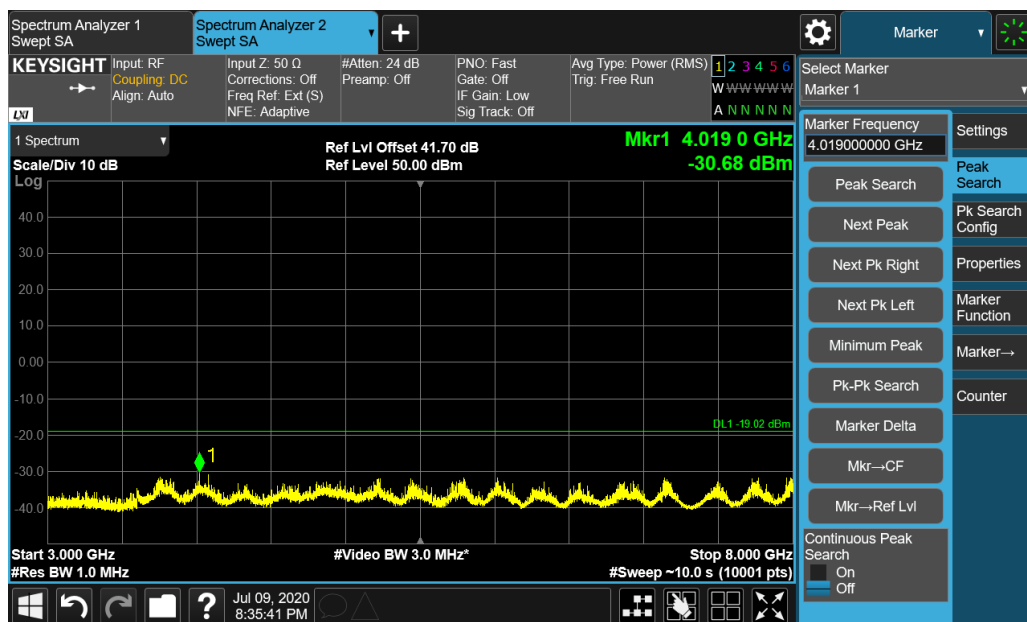
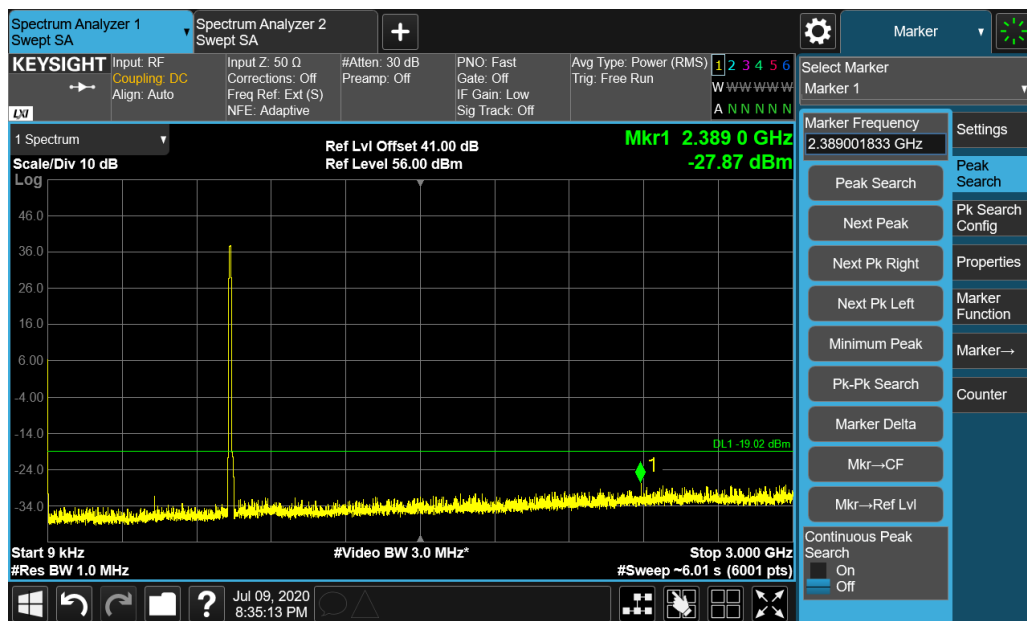


Channel Position T

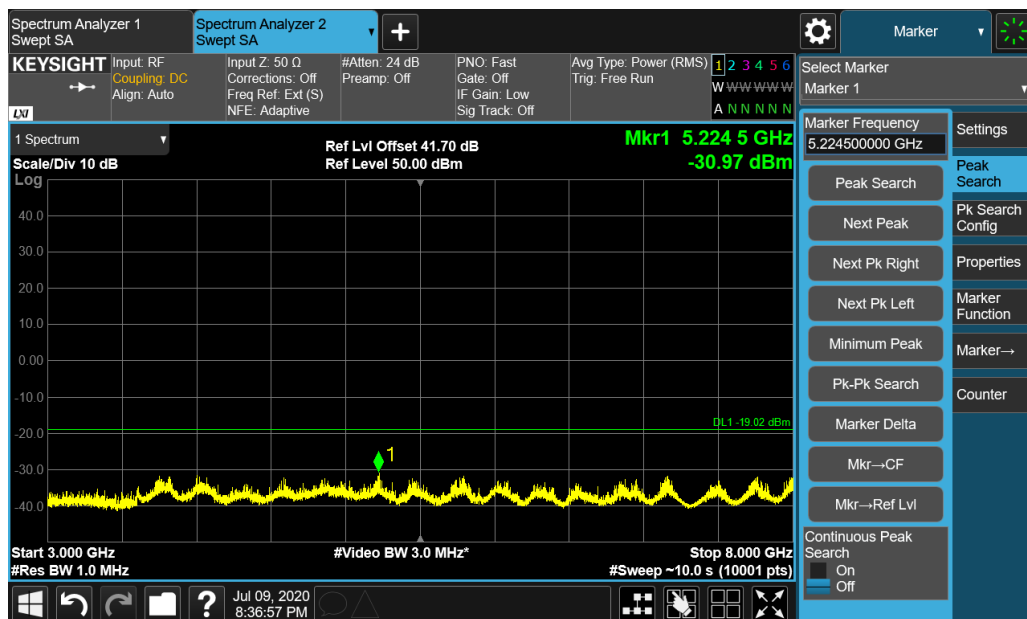
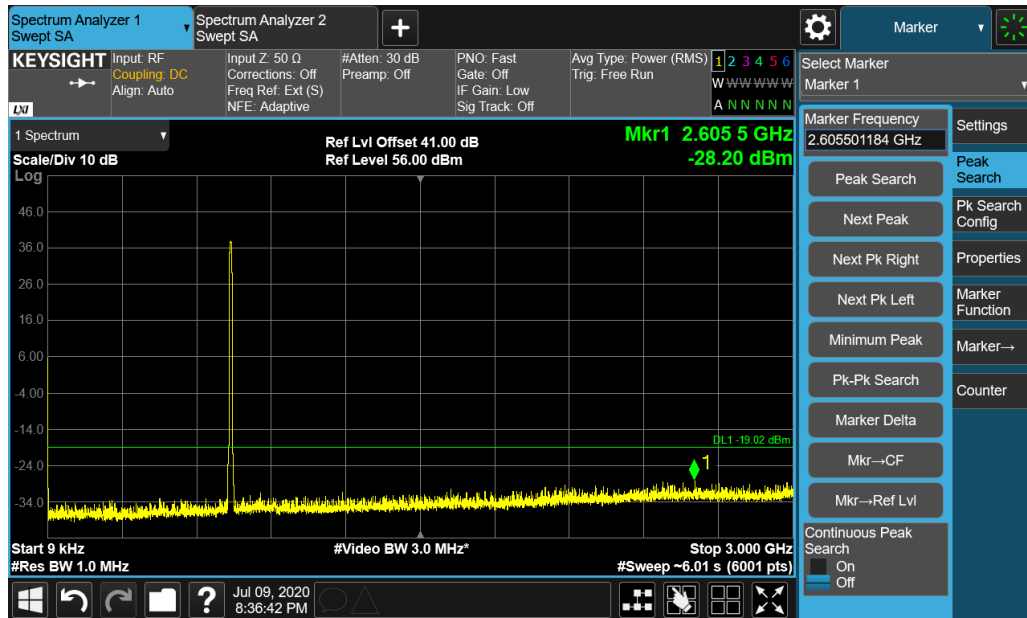


Antenna Port	Channel Position	LTE Modulation	LTE Channel Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	10	1000	-19
D	M	QPSK	10	1000	-19
D	T	QPSK	10	1000	-19

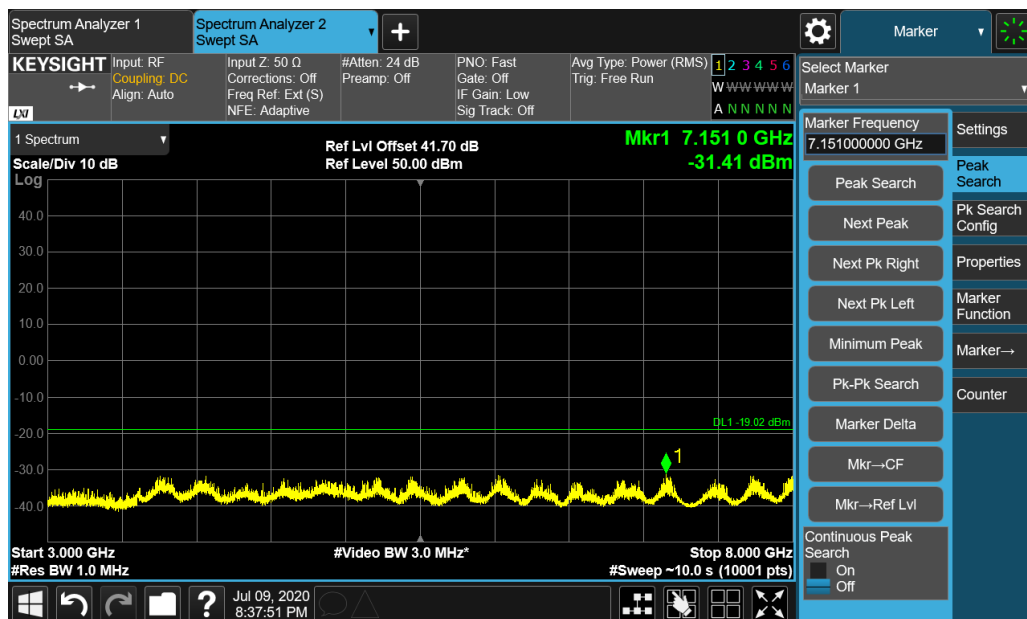
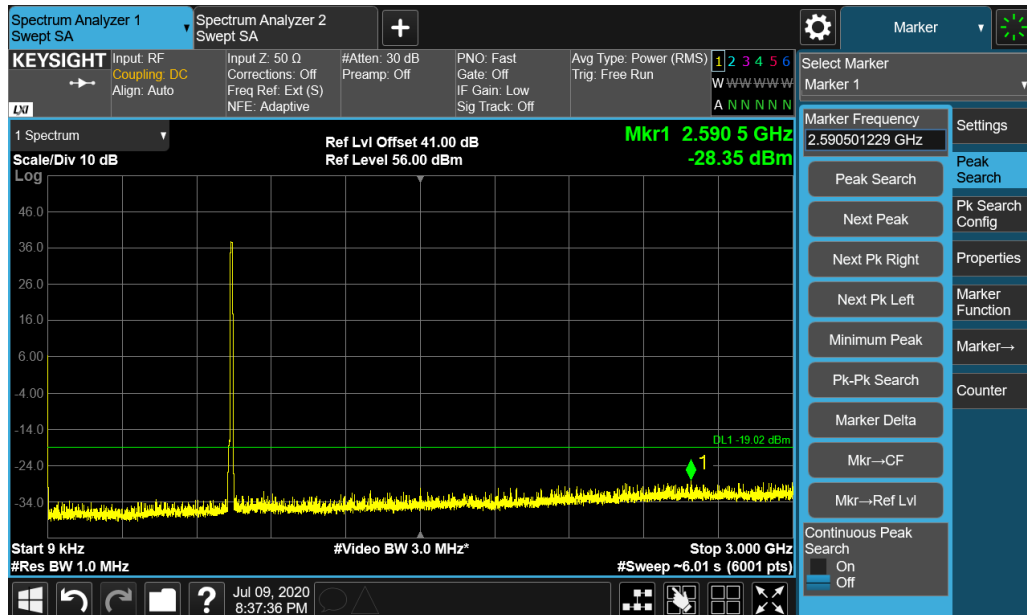
Channel Position B



Channel Position M

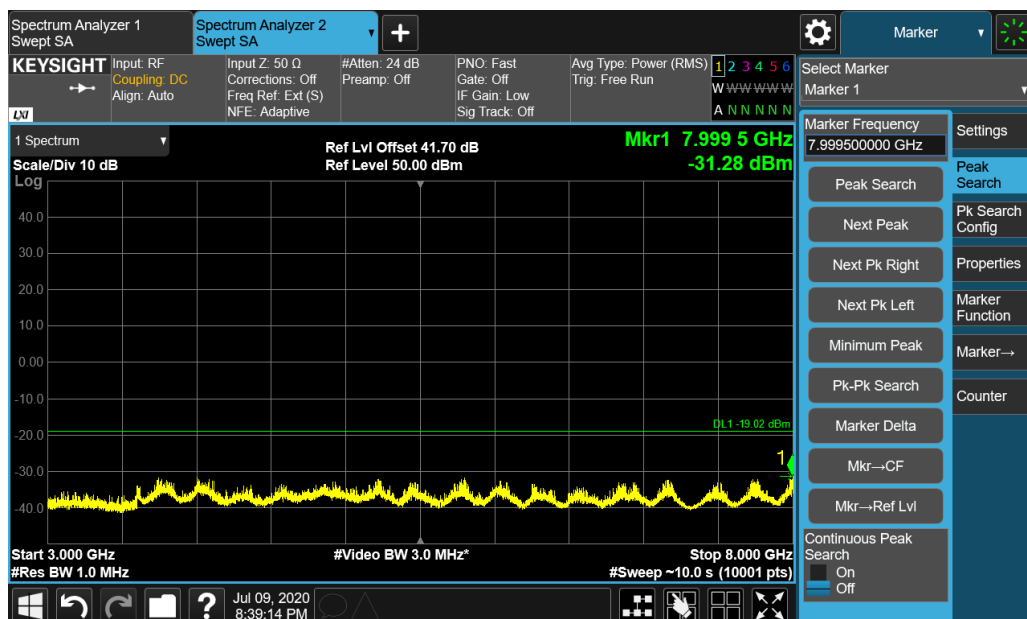
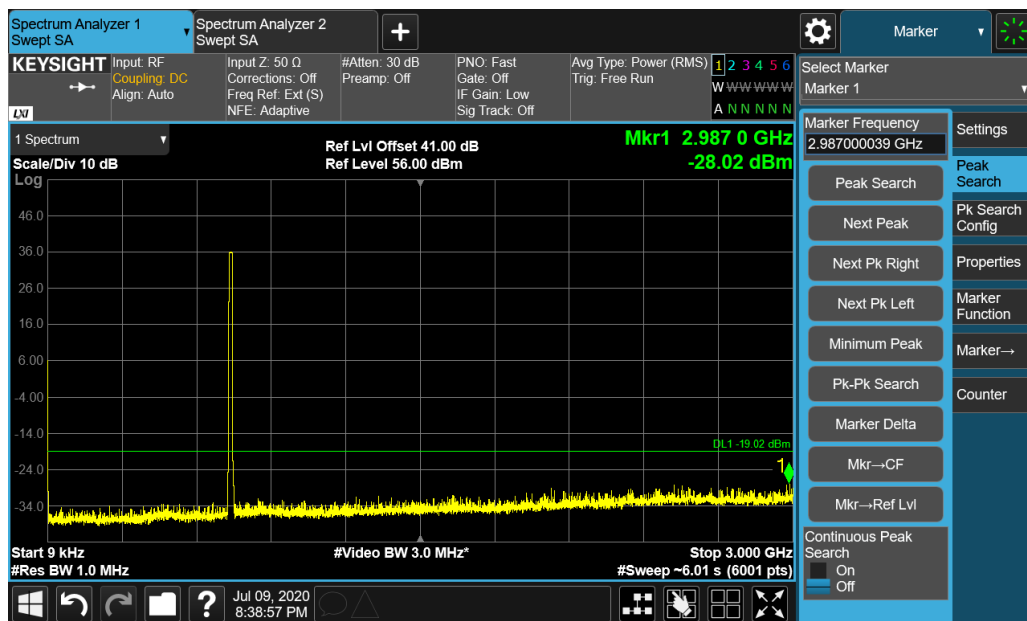


Channel Position T



Antenna Port	Channel Position	LTE Modulation	LTE Channel Bandwidth (MHz)	RBW (kHz)	Limit (dBm)
D	B	QPSK	15	1000	-19
D	M	QPSK	15	1000	-19
D	T	QPSK	15	1000	-19

Channel Position B



Channel Position M

