

4.2 Measurement result

NR-1C

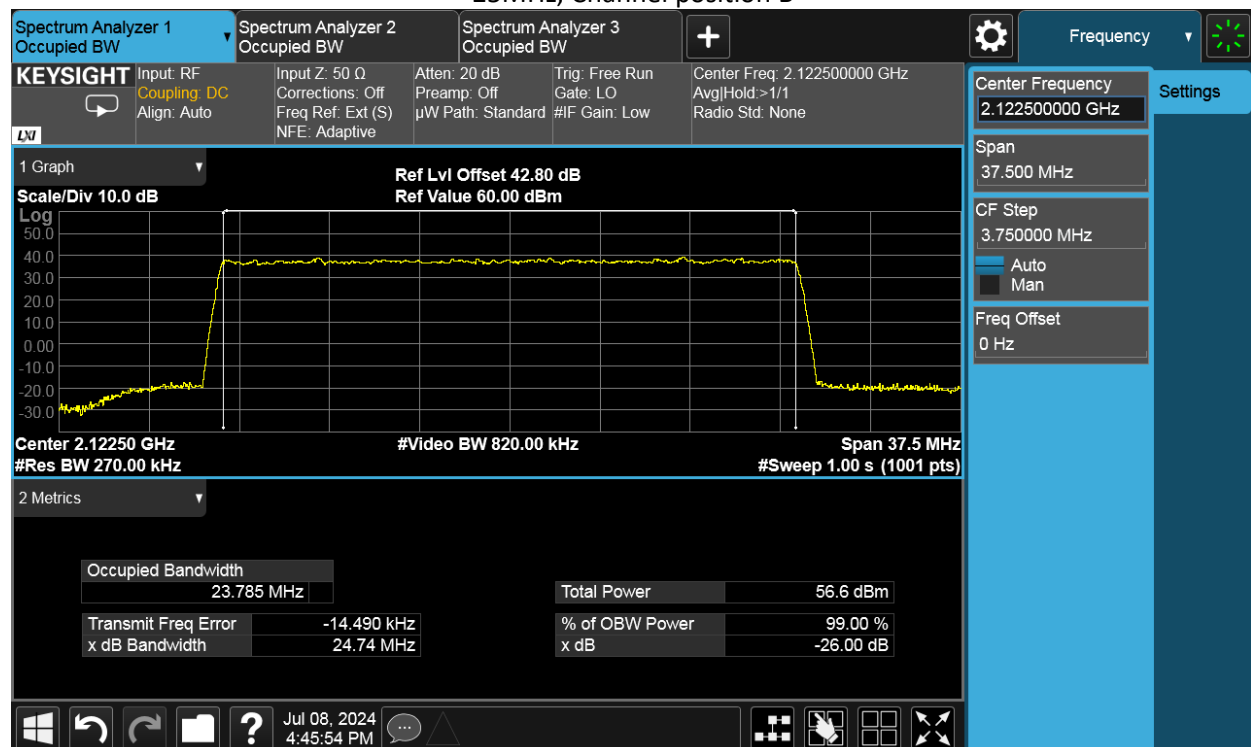
99% Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
B	64QAM	25MHz	23.785	23.813	23.776
B	64QAM	30MHz	28.582	28.601	28.601
B	64QAM	35MHz	33.526	33.552	33.545
B	64QAM	40MHz	38.604	38.615	38.602

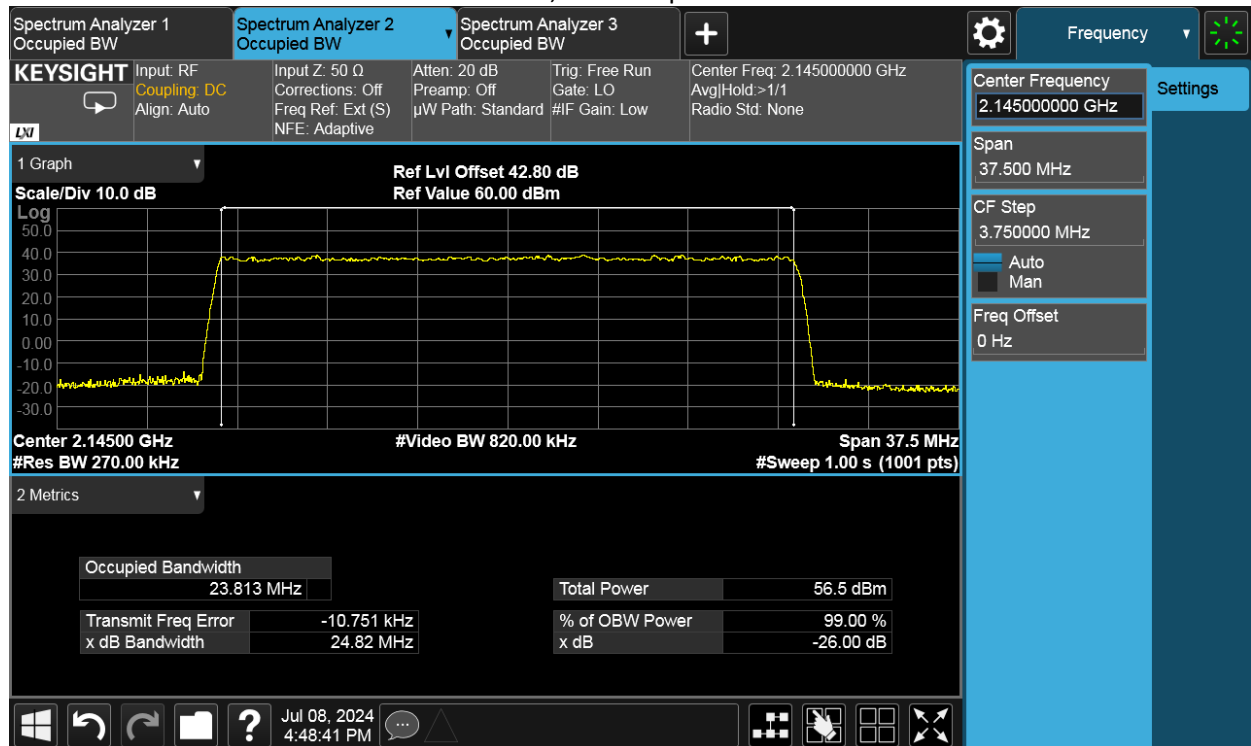
-26dBc Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
B	64QAM	25MHz	24.74	24.82	24.79
B	64QAM	30MHz	29.58	29.58	29.60
B	64QAM	35MHz	34.70	34.70	34.68
B	64QAM	40MHz	40.05	40.03	40.08

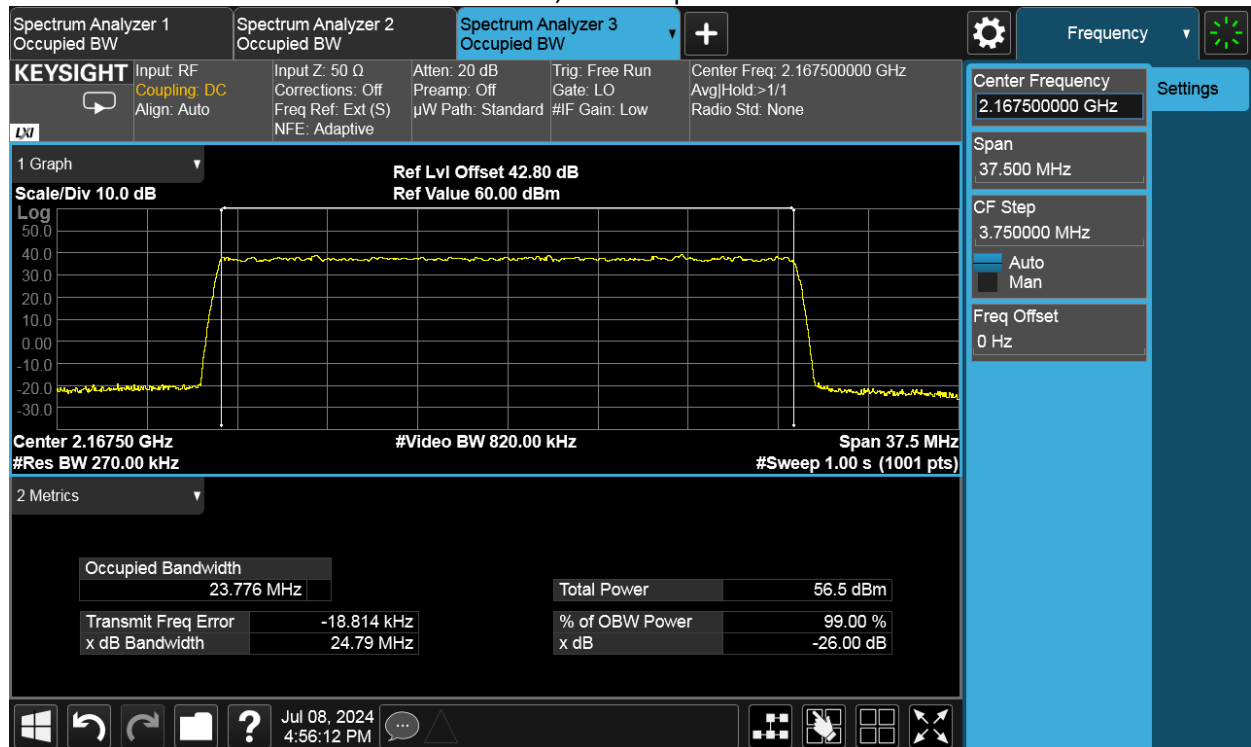
25MHz, Channel position B



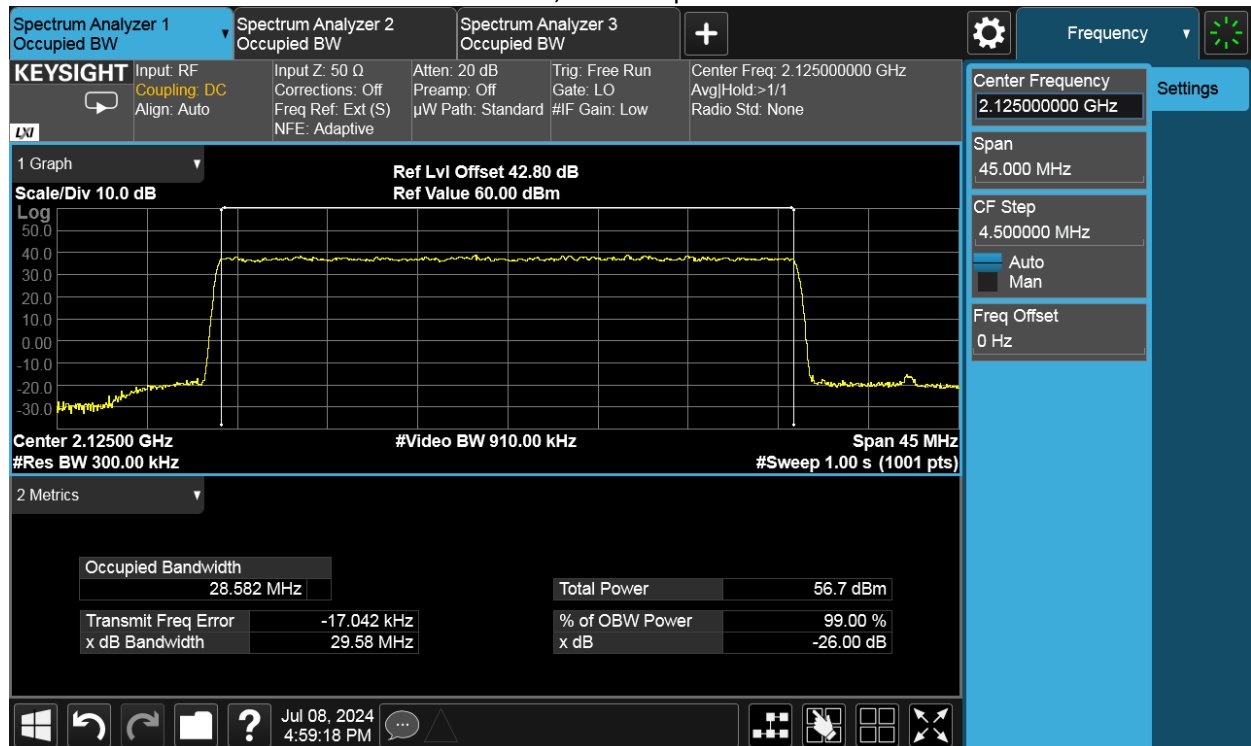
25MHz, Channel position M



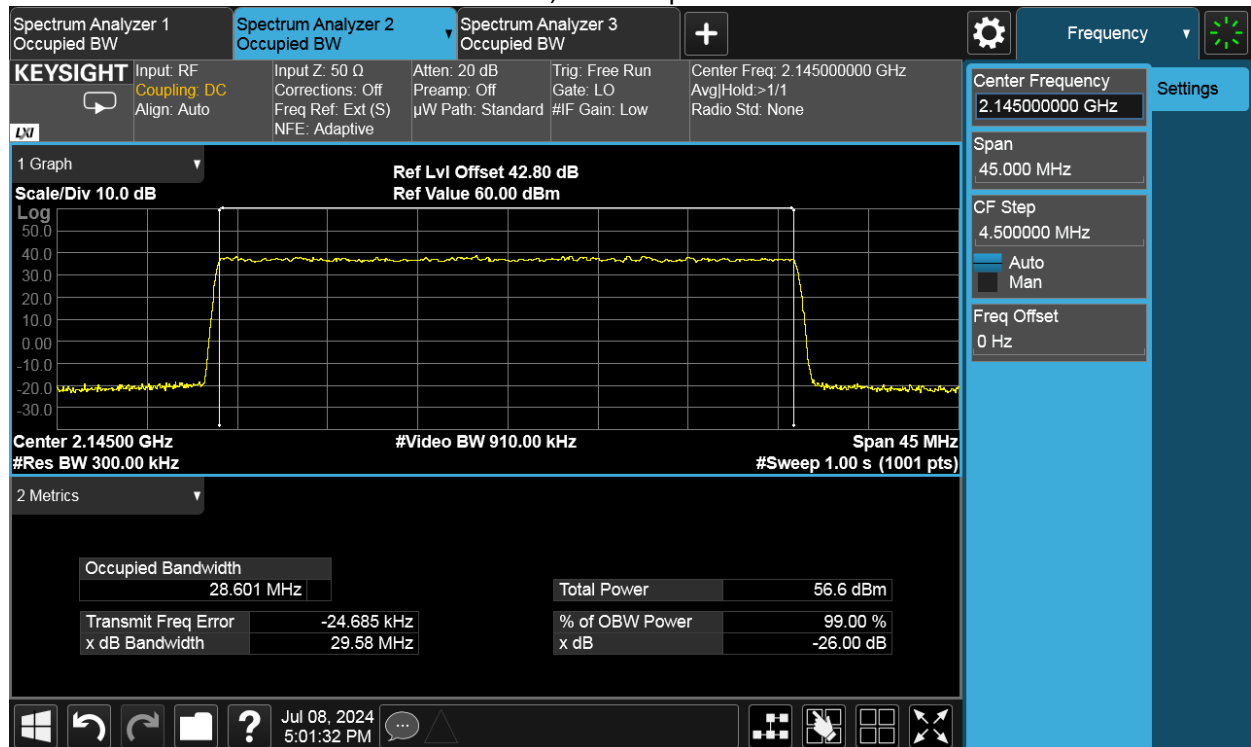
25MHz, Channel position T



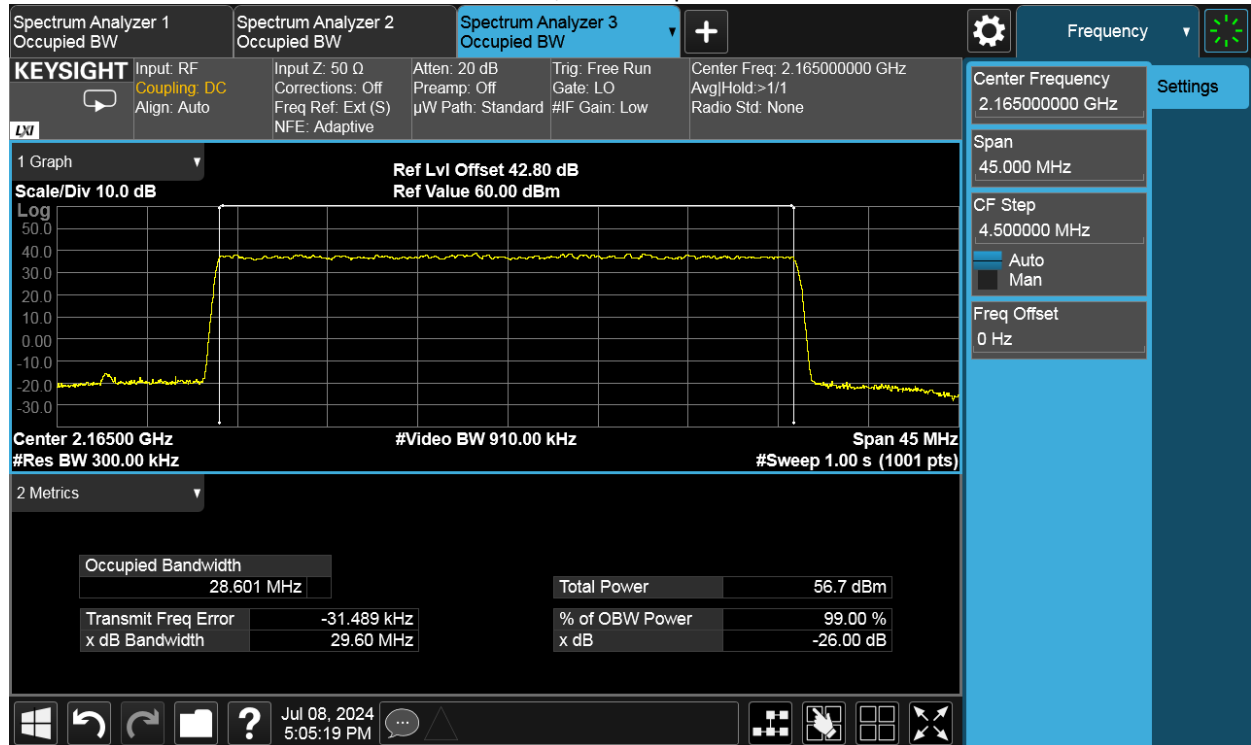
30MHz, Channel position B



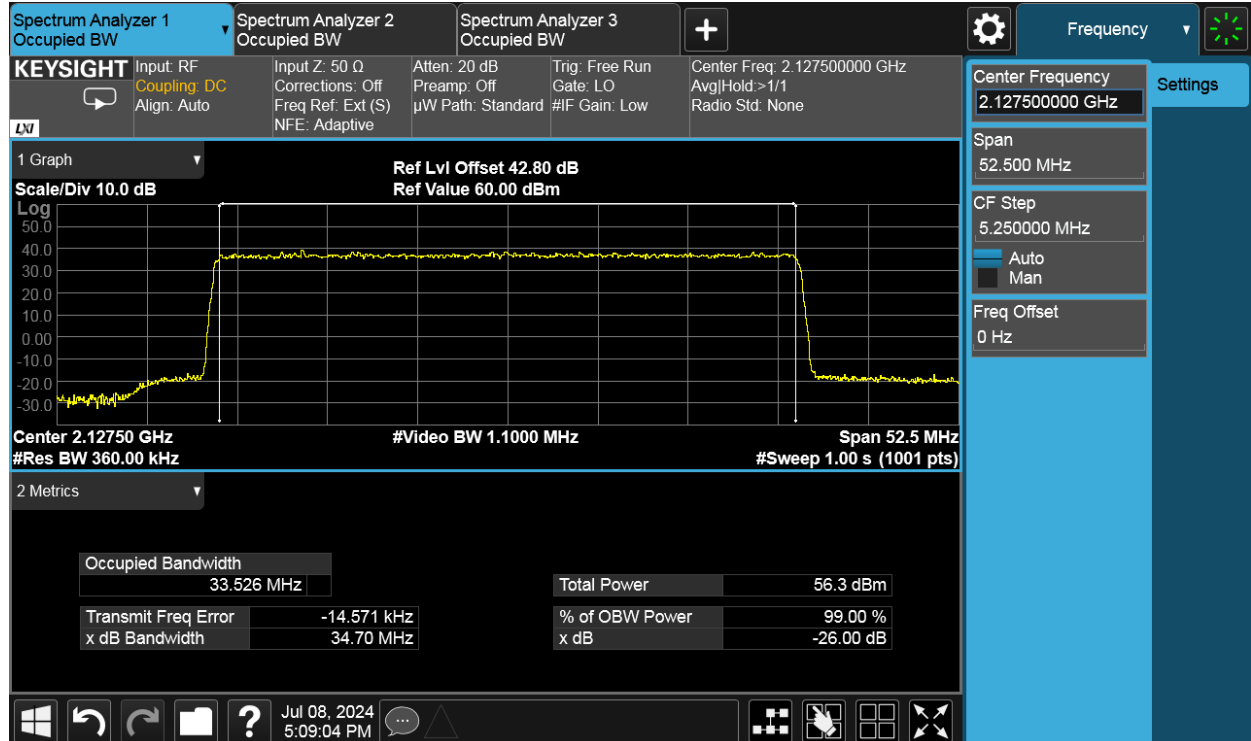
30MHz, Channel position M



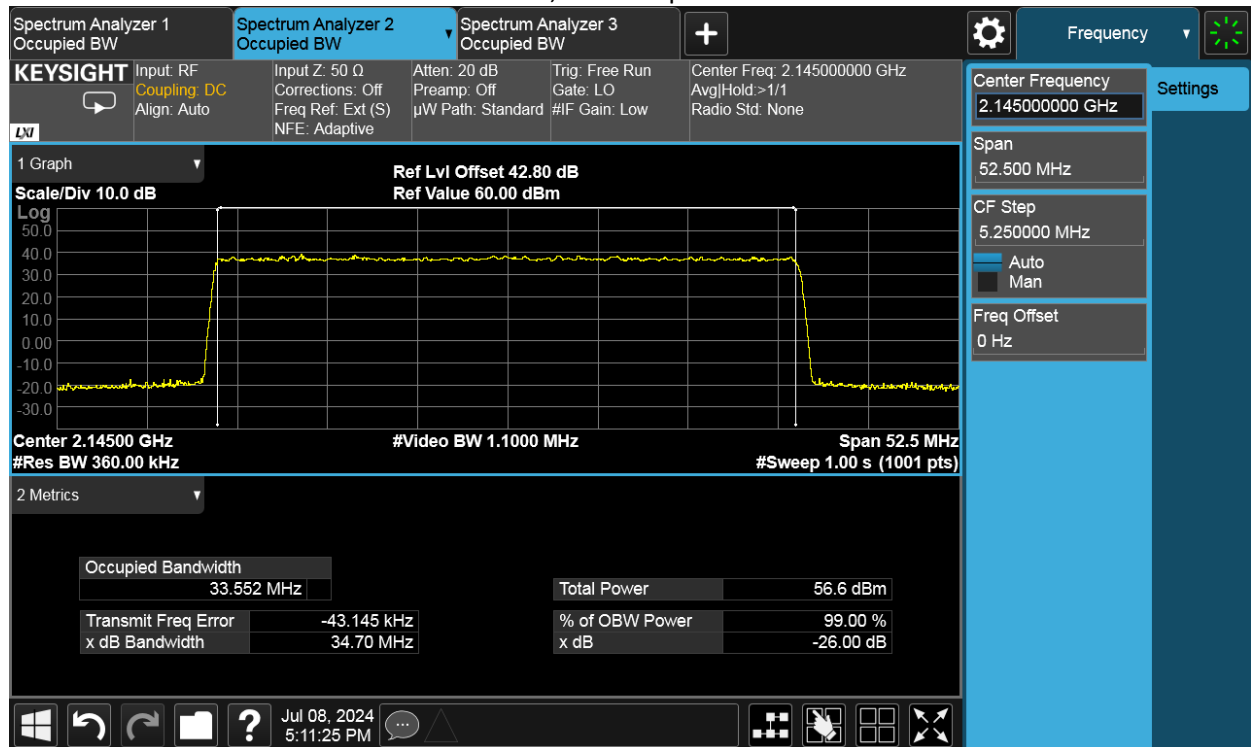
30MHz, Channel position T



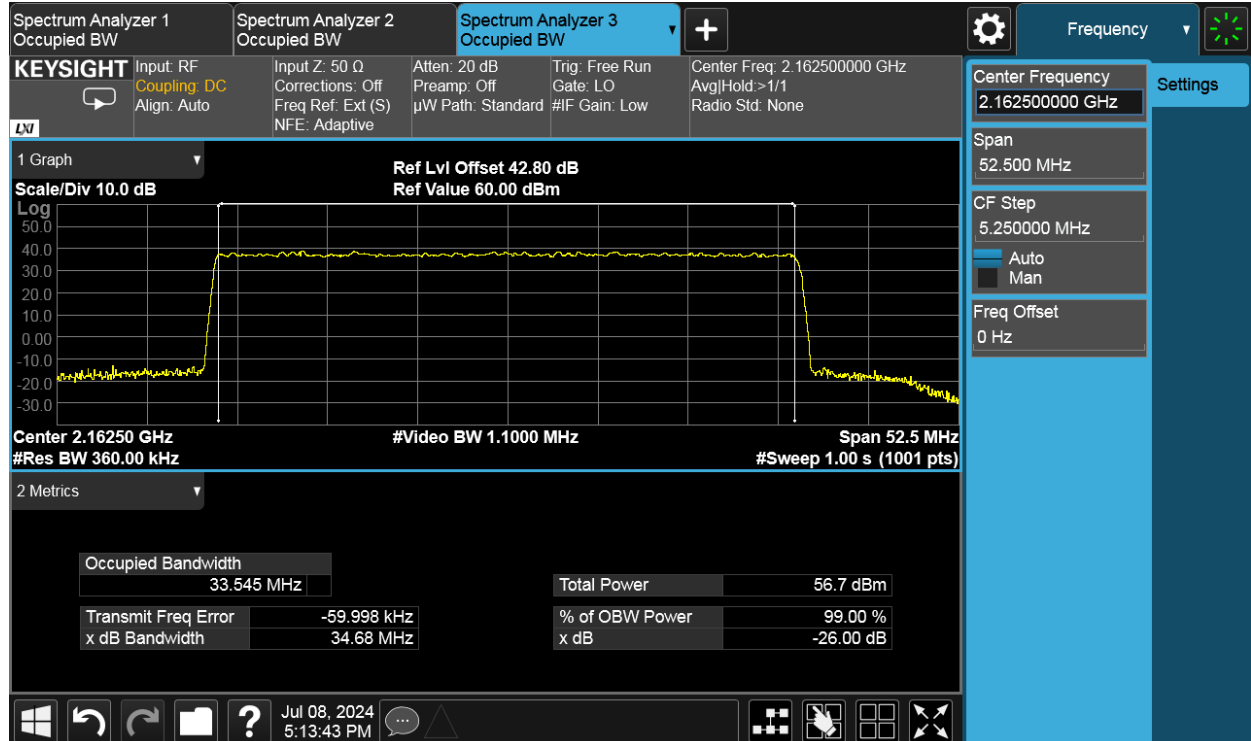
35MHz, Channel position B



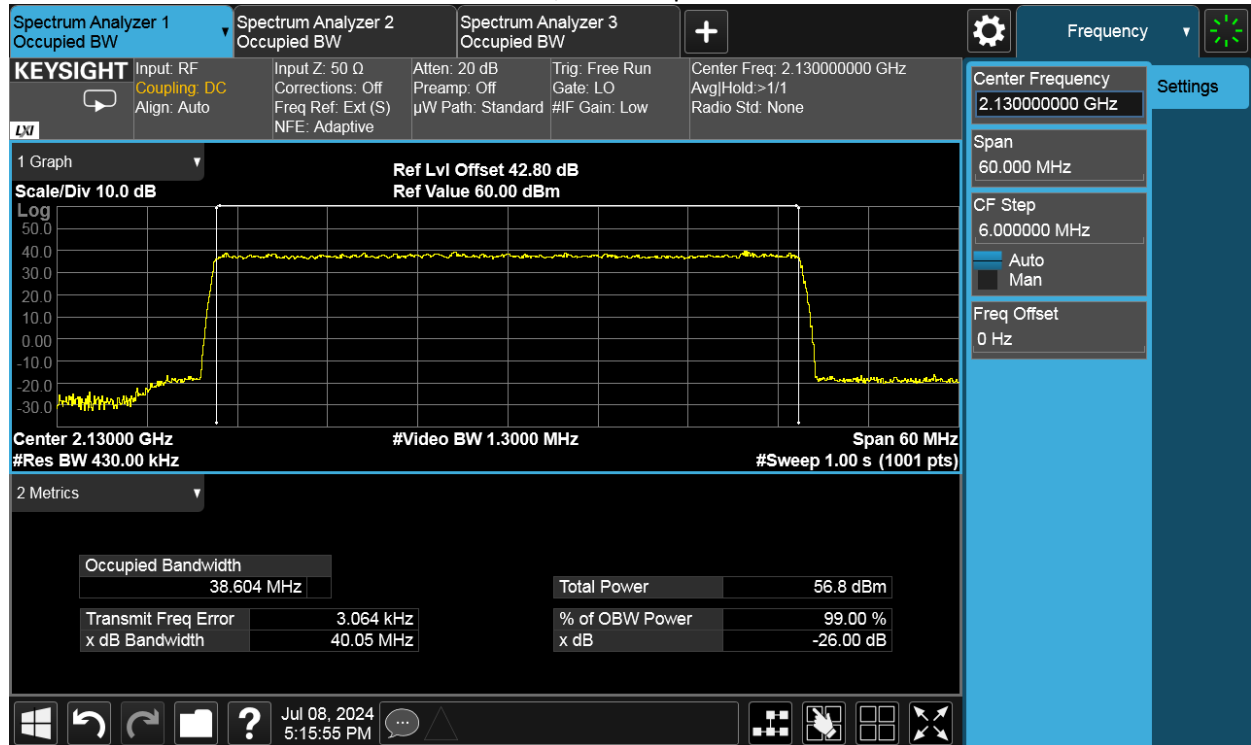
35MHz, Channel position M



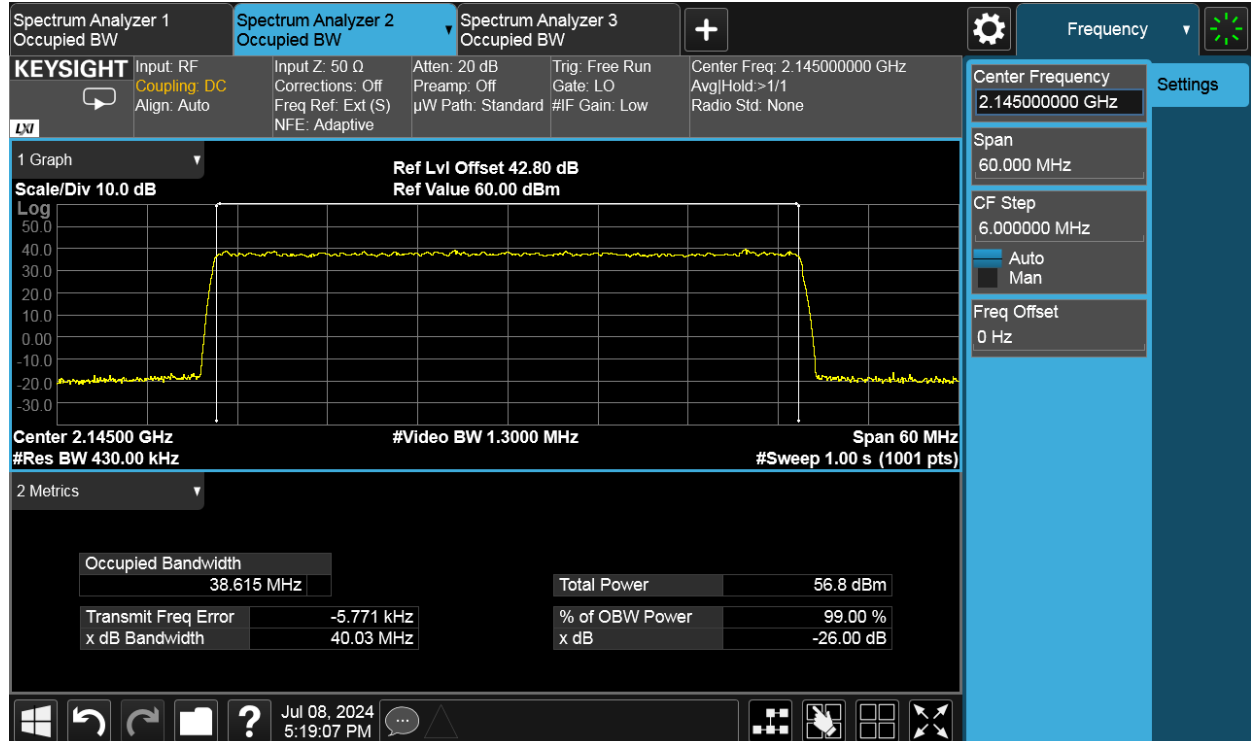
35MHz, Channel position T



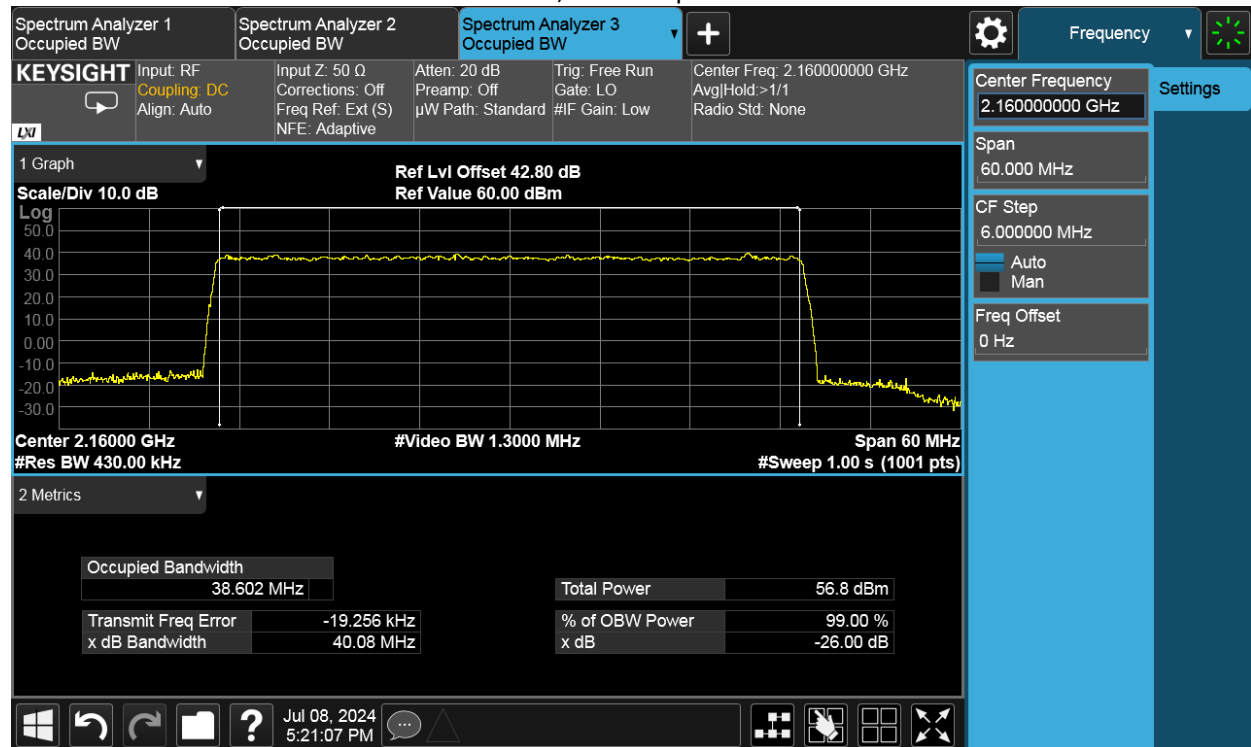
40MHz, Channel position B



40MHz, Channel position M



40MHz, Channel position T



TEST REPORT

5 Unwanted Emissions at Band Edge

Test result: Pass

5.1 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.

5.2 Measurement Procedure

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.

For MIMO mode configurations, the limit was adjusted with a correction of -6.02dB [$10\log(1/4)$] 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 -19.02dBm .

Spectrum analyzer detector was set as RMS.

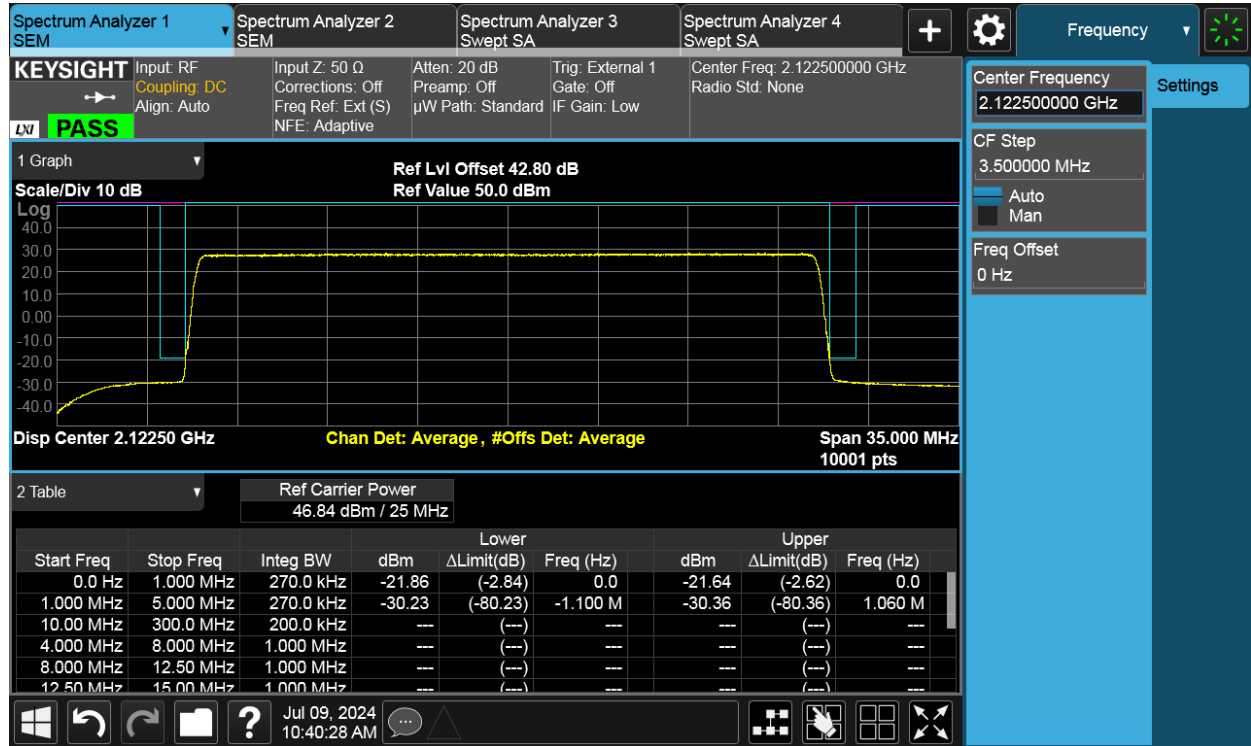
TEST REPORT

5.3 Measurement result

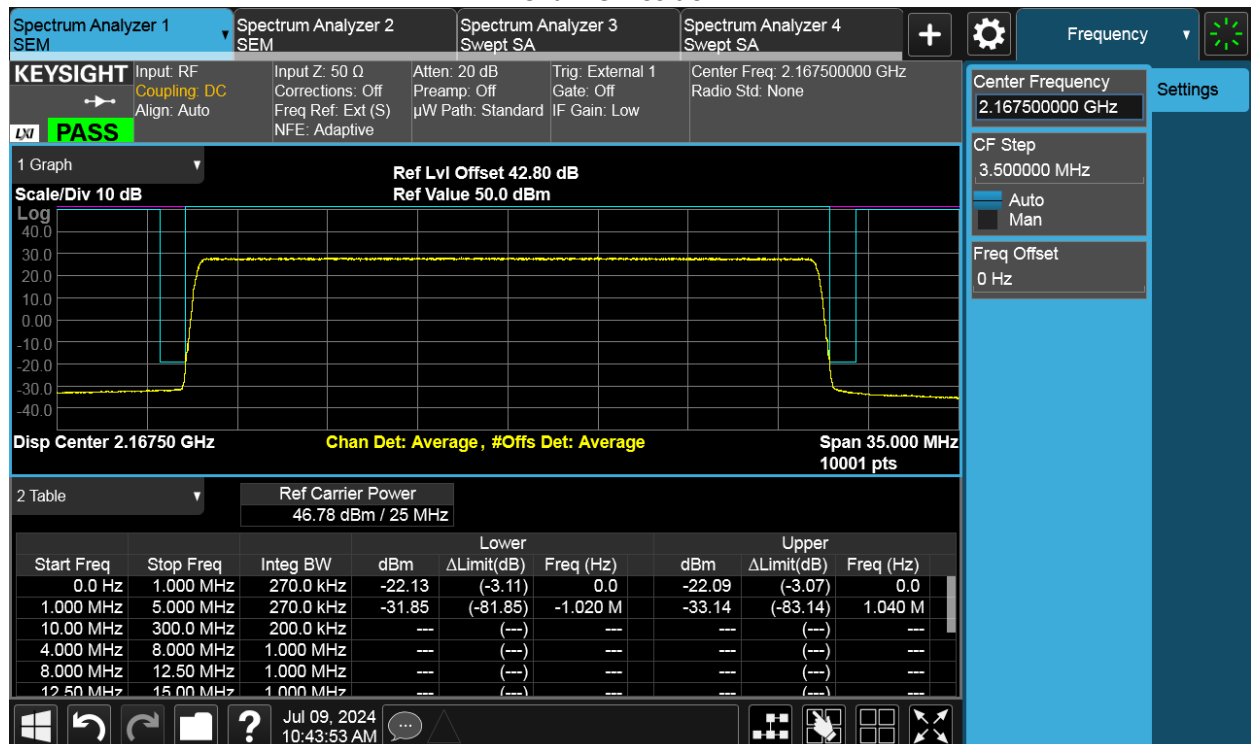
NR-1C-BE

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
B	B	64QAM	25	270	-19.02
B	T	64QAM	25	270	-19.02

Channel Position B



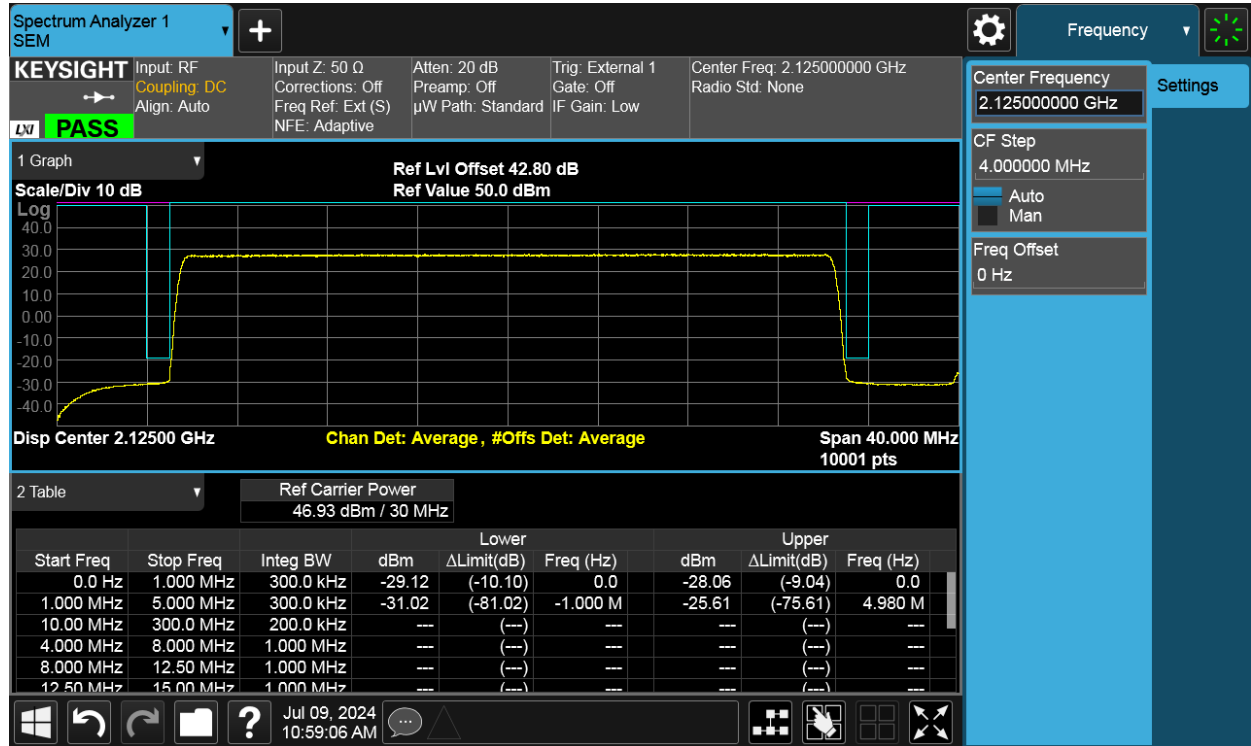
Channel Position T



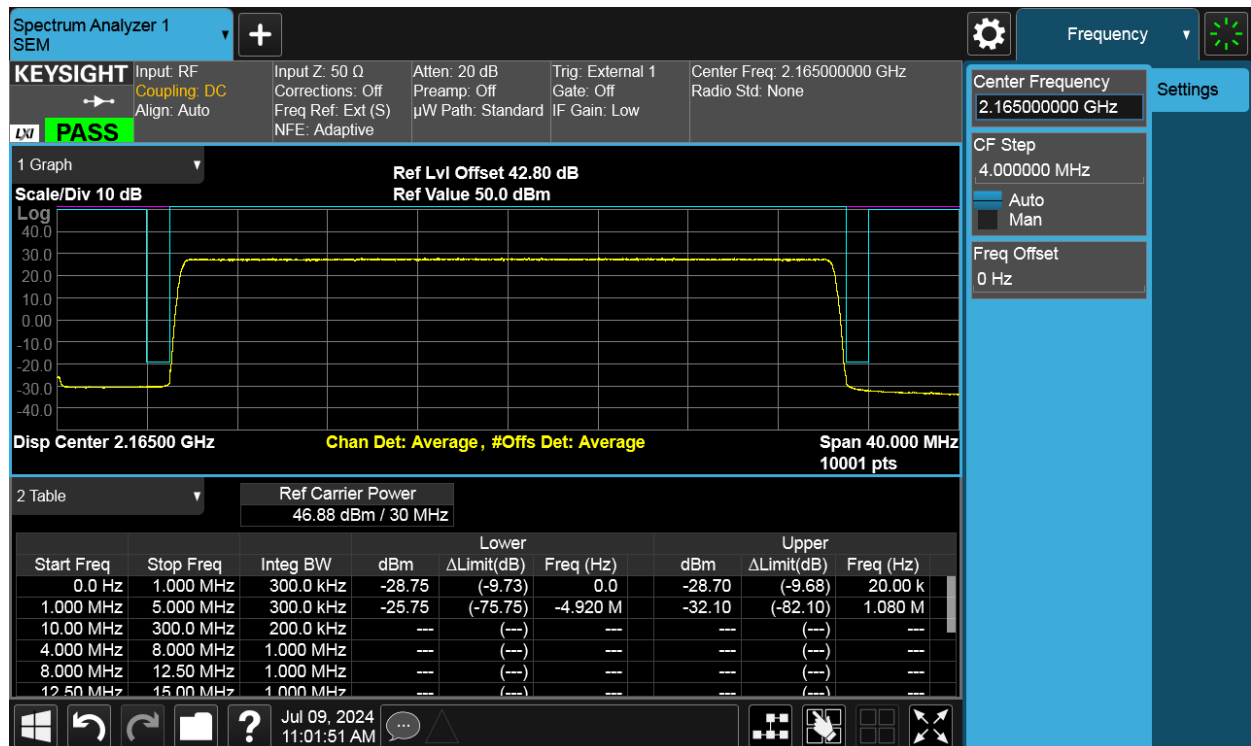
TEST REPORT

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
B	B	64QAM	30	300	-19.02
B	T	64QAM	30	300	-19.02

Channel Position B



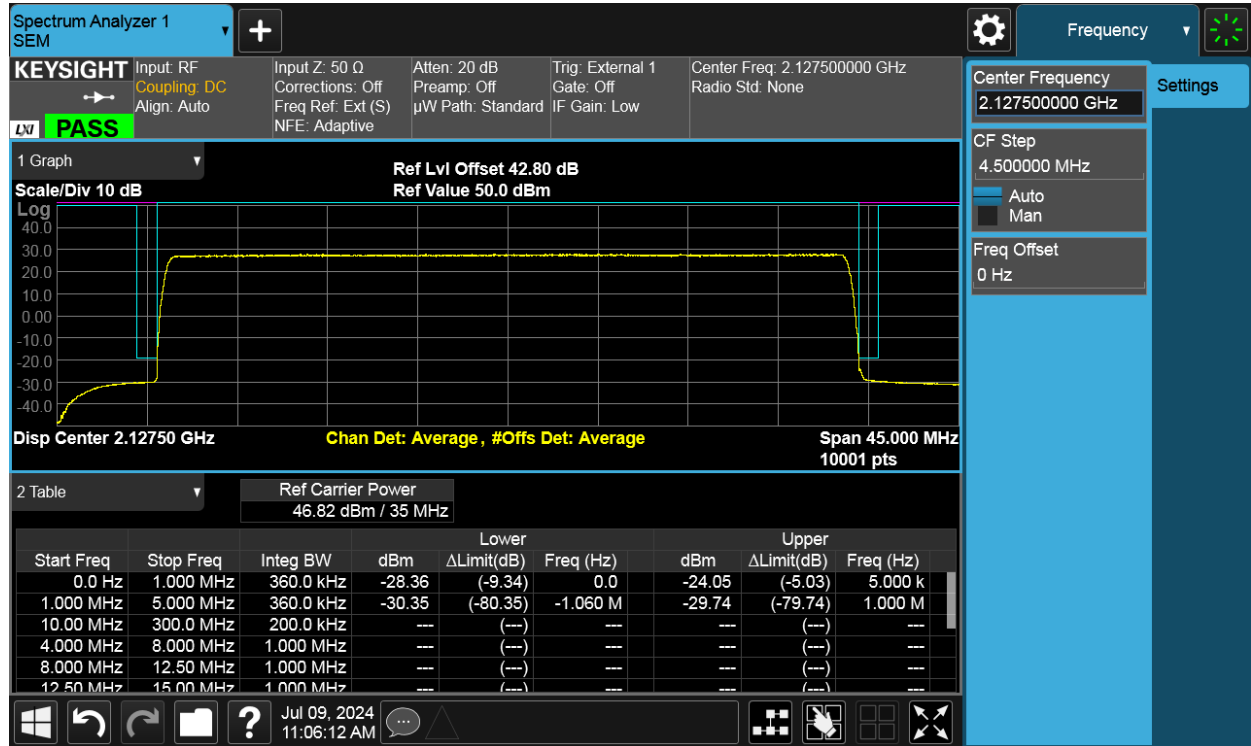
Channel Position T



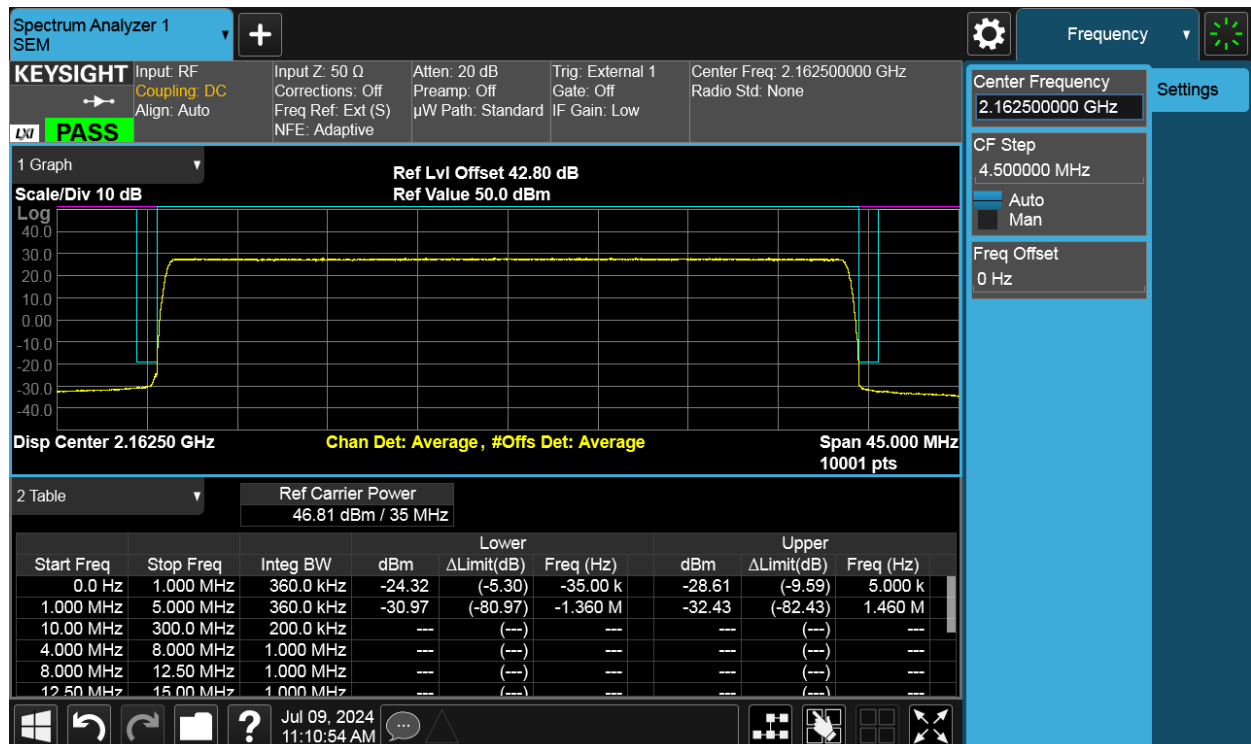
TEST REPORT

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
B	B	64QAM	35	360	-19.02
B	T	64QAM	35	360	-19.02

Channel Position B



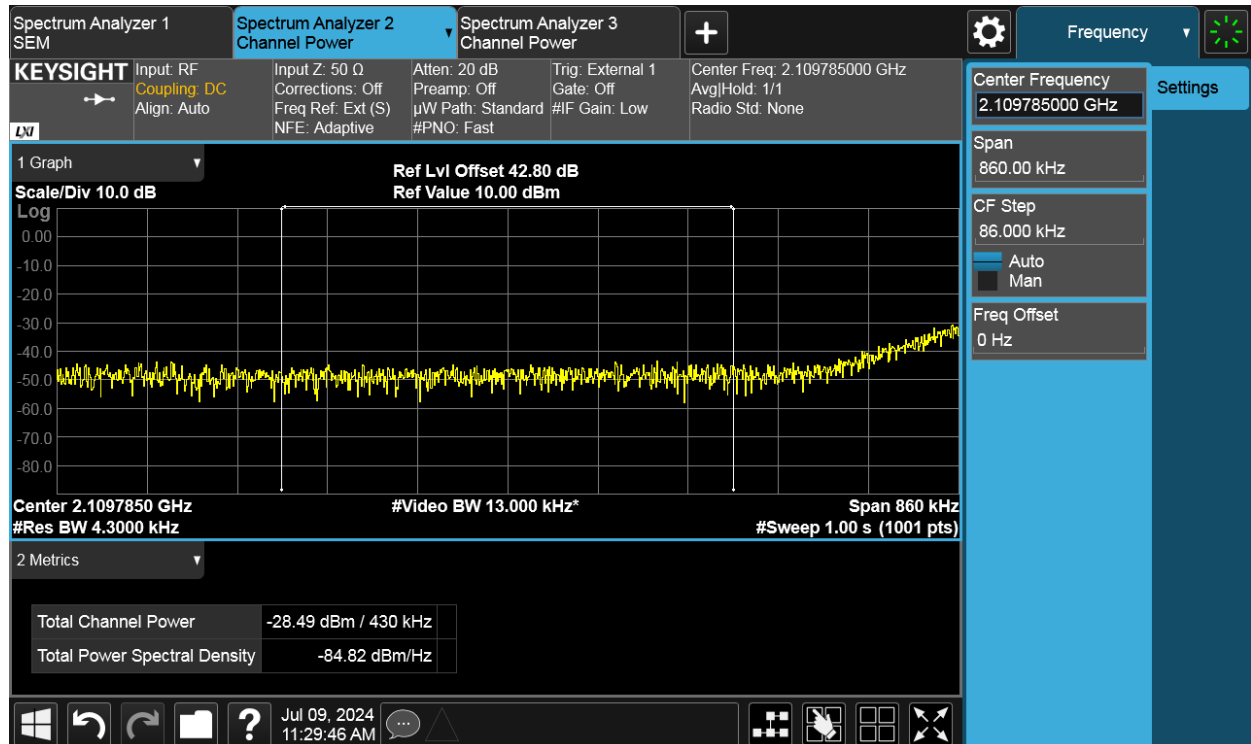
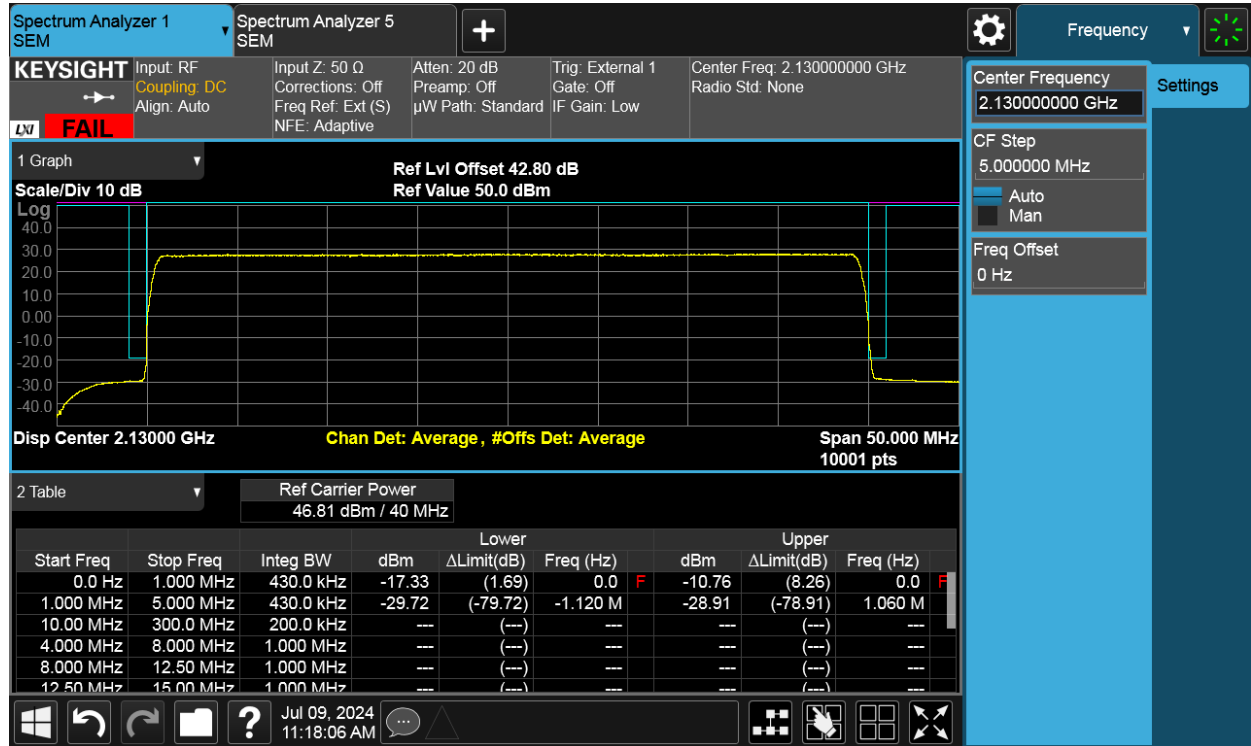
Channel Position T



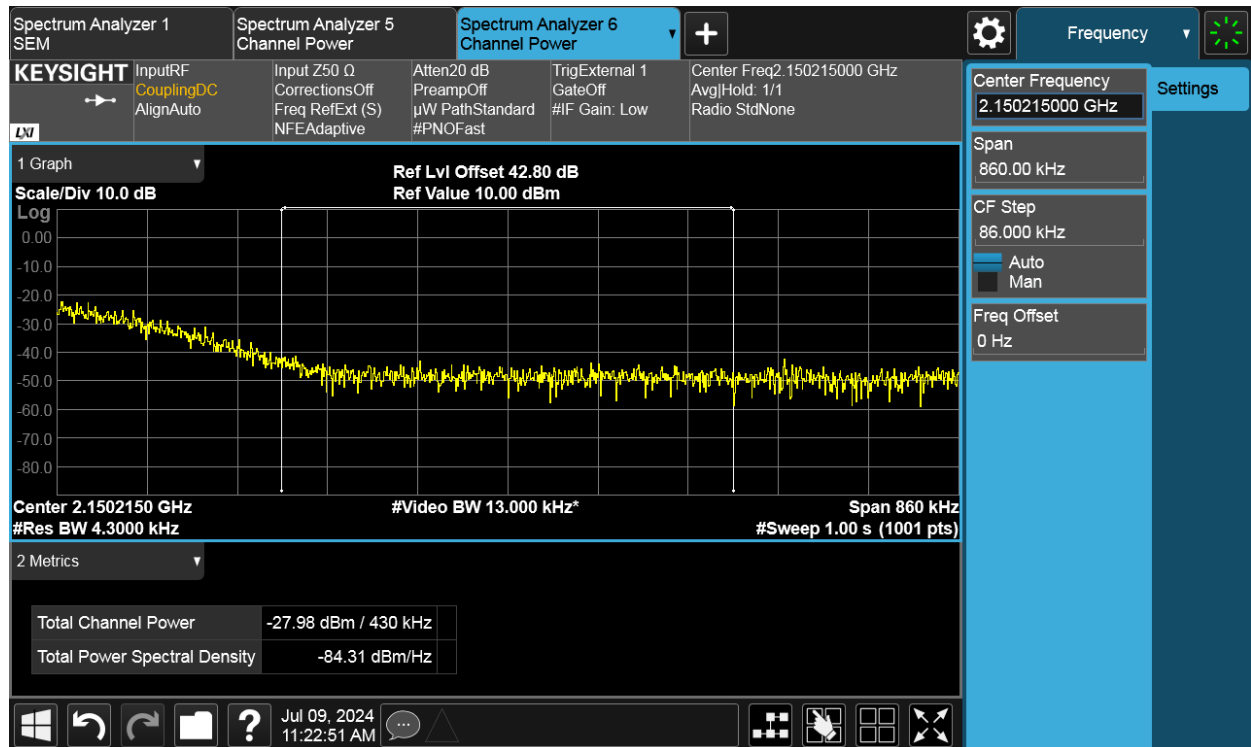
TEST REPORT

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
B	B	64QAM	40	430	-19.02
B	T	64QAM	40	430	-19.02

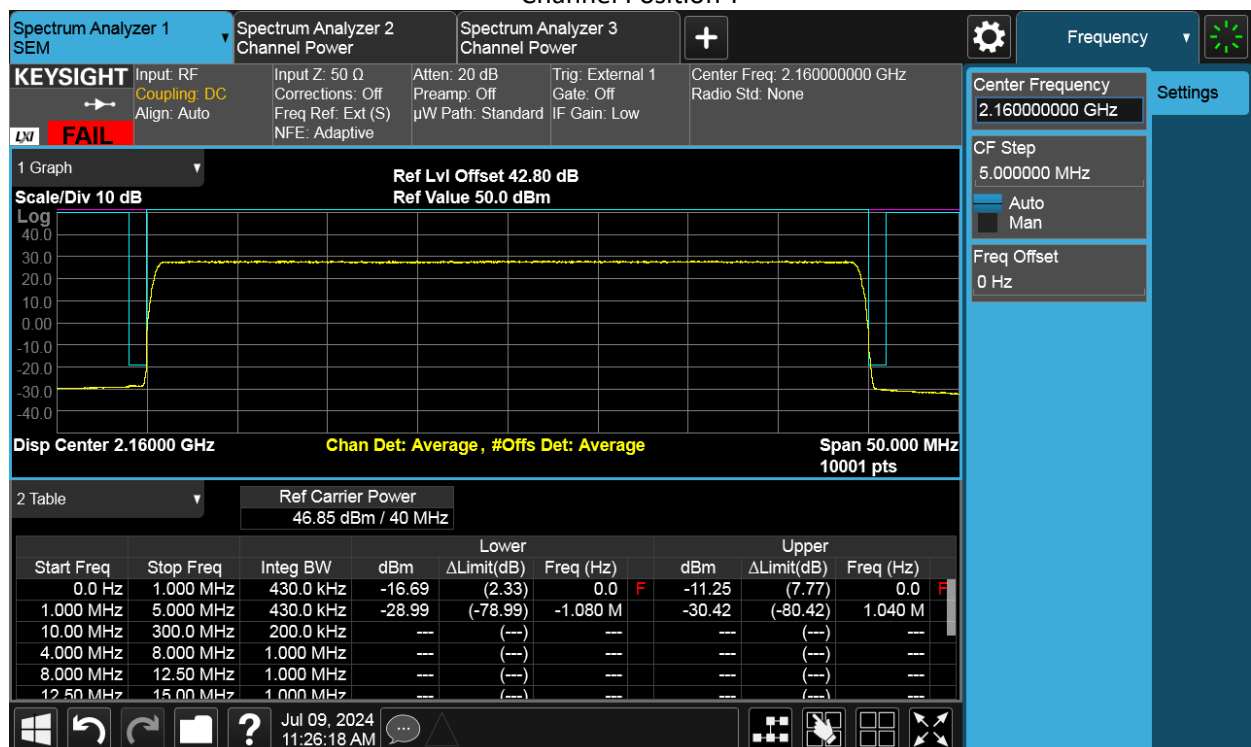
Channel Position B



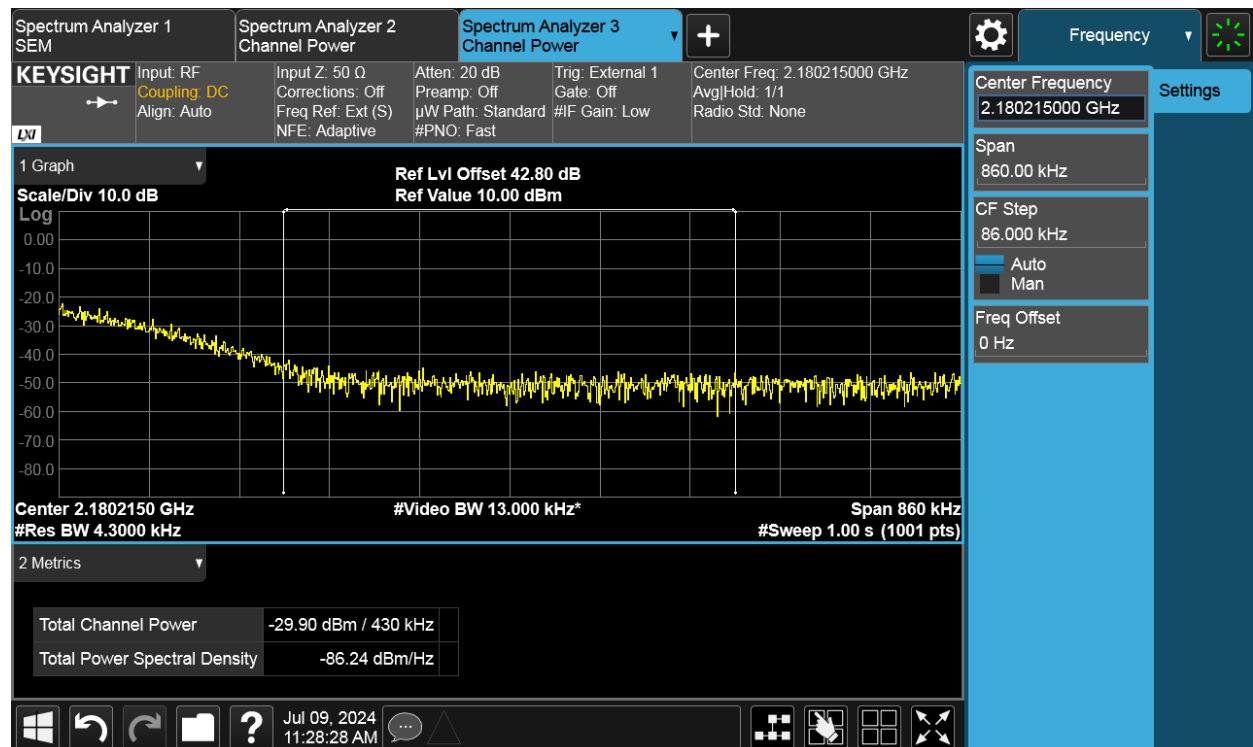
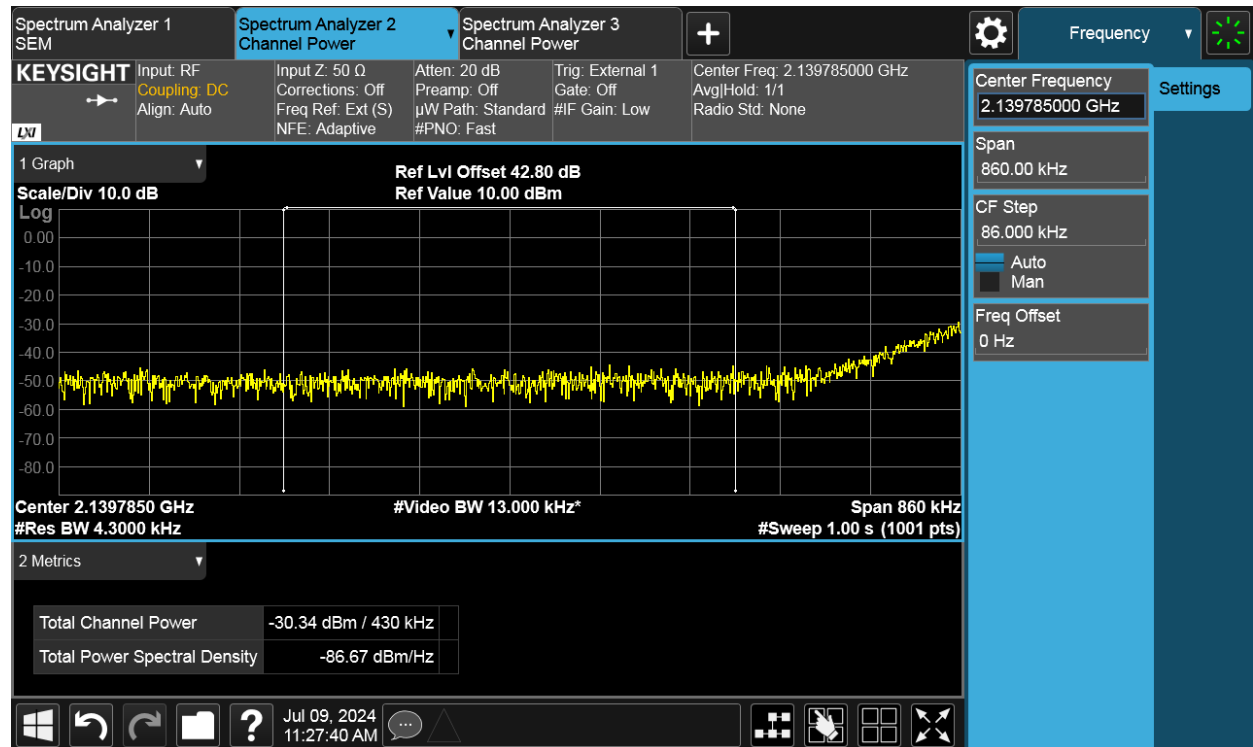
TEST REPORT



Channel Position T



TEST REPORT

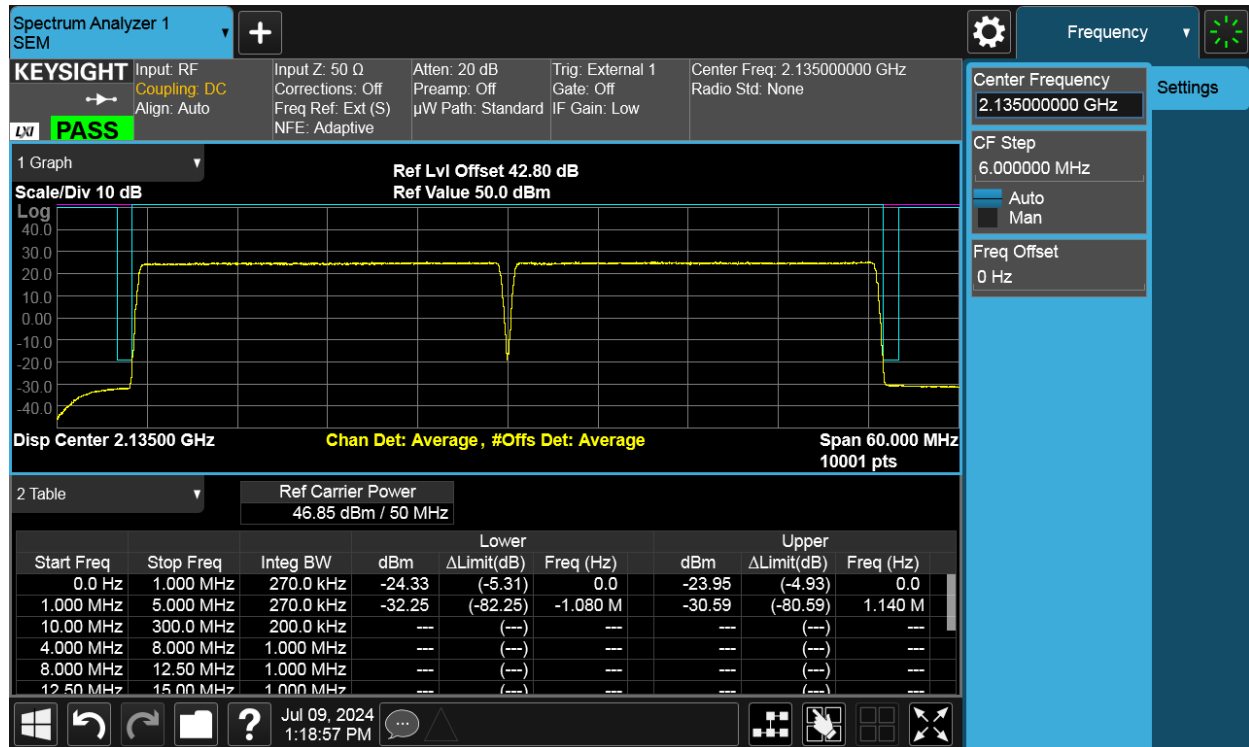


TEST REPORT

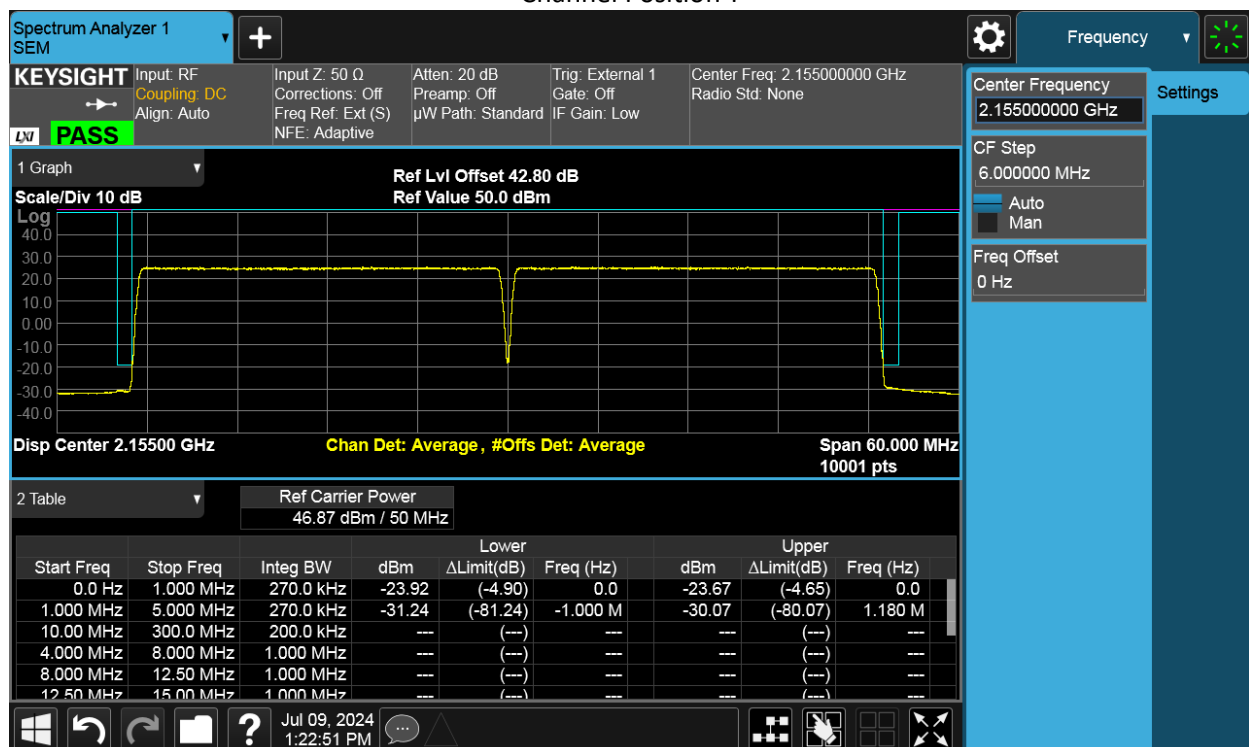
NR-2C-BE

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
B	B	64QAM	25	270	-19.02
B	T	64QAM	25	270	-19.02

Channel Position B



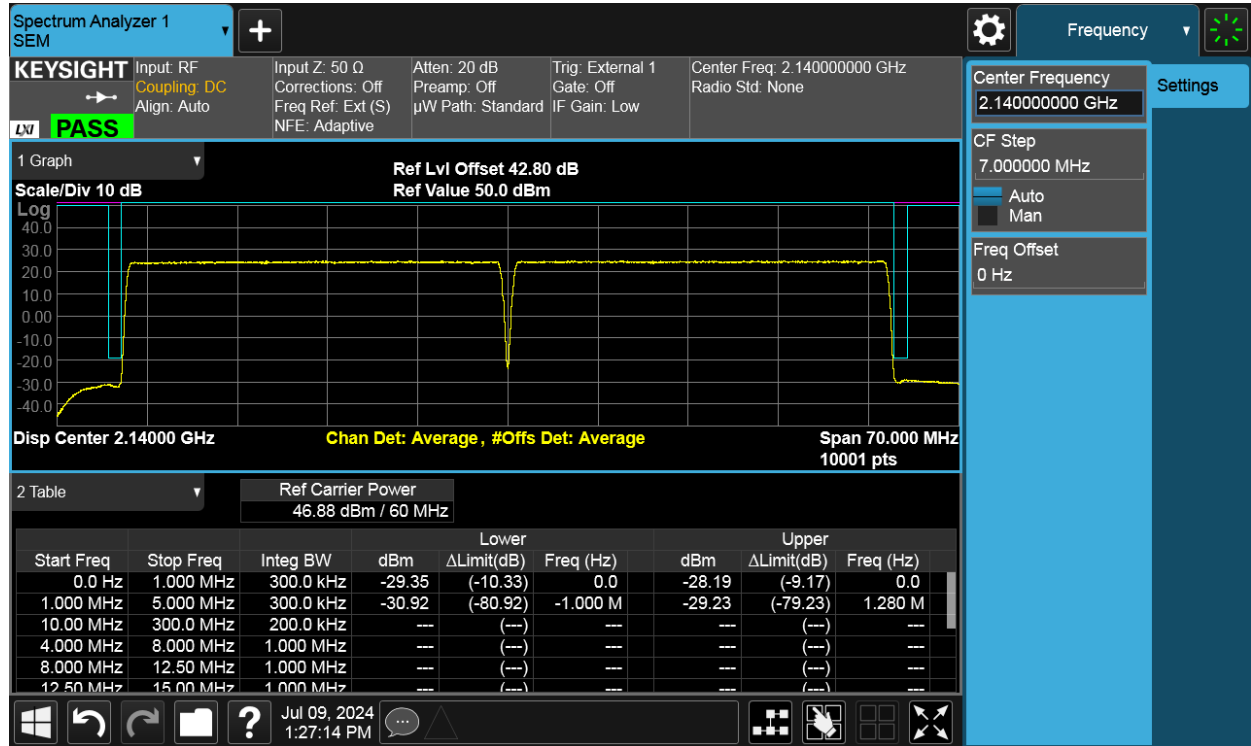
Channel Position T



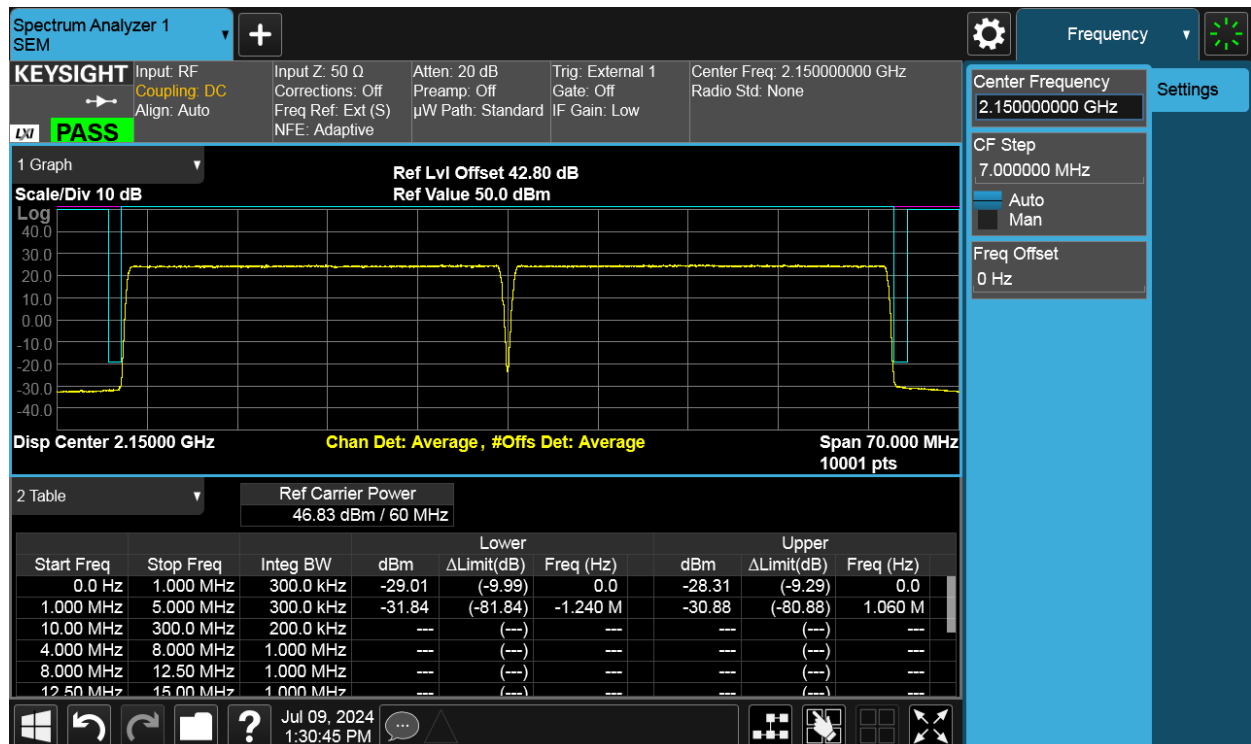
TEST REPORT

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
B	B	64QAM	30	300	-19.02
B	T	64QAM	30	300	-19.02

Channel Position B



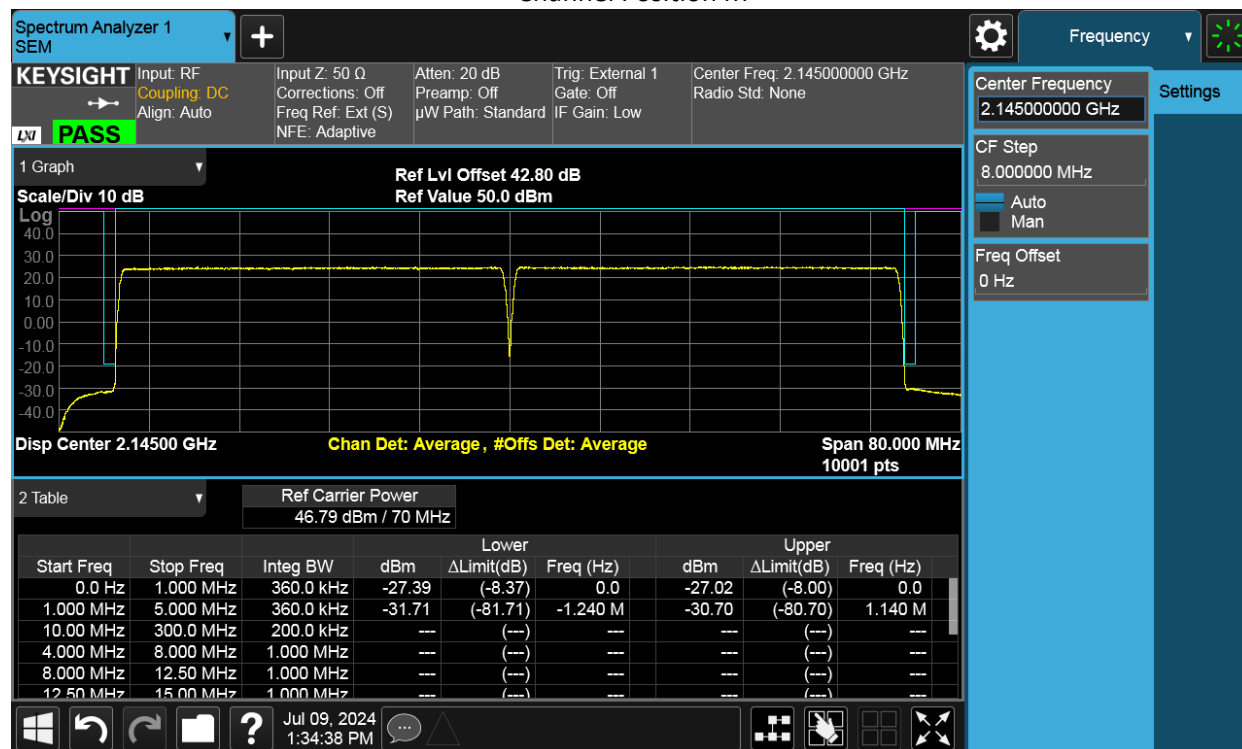
Channel Position T



TEST REPORT

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
M	B	64QAM	35	360	-19.02

Channel Position M



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 22GHz. The resolution bandwidth of 1MHz was employed for frequency band 9kHz to 22GHz. The spectrum analyzer detector was set to RMS.

For MIMO mode configurations, the limit was adjusted with a correction of -6.02dB [$10\log(1/4)$] 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 -19.02dBm.

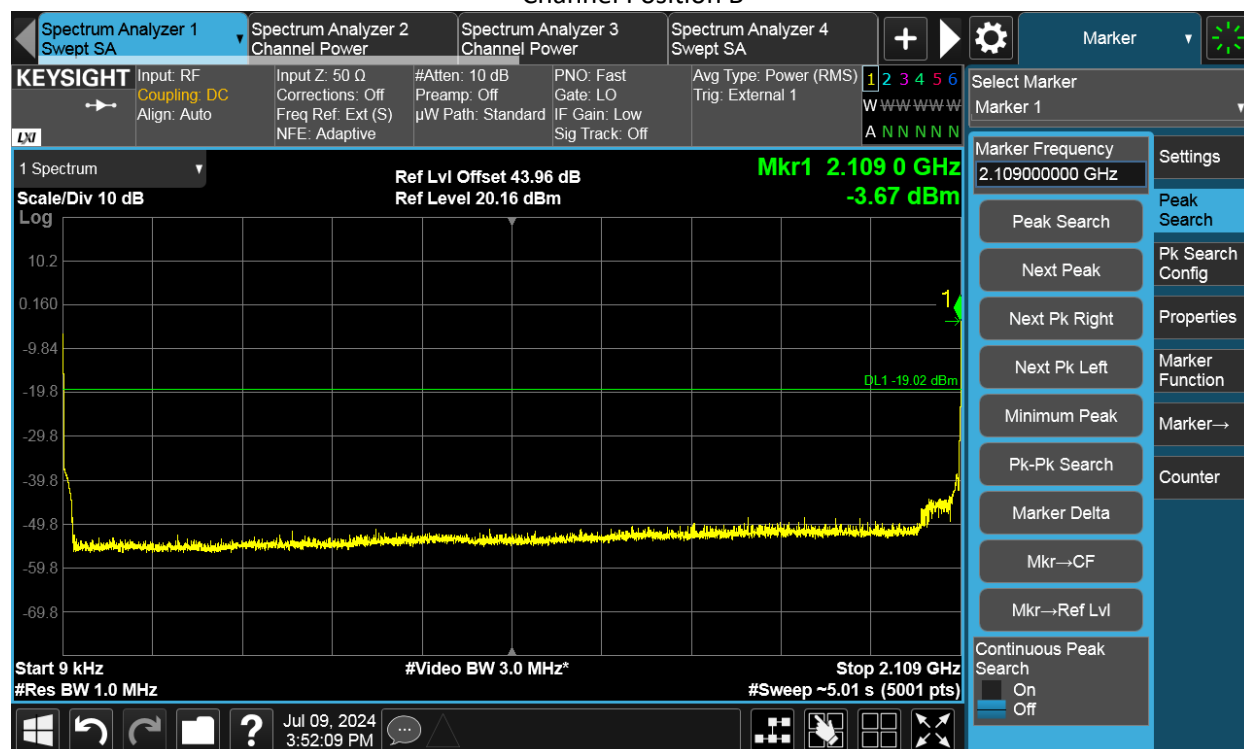
TEST REPORT

6.3 Measurement result

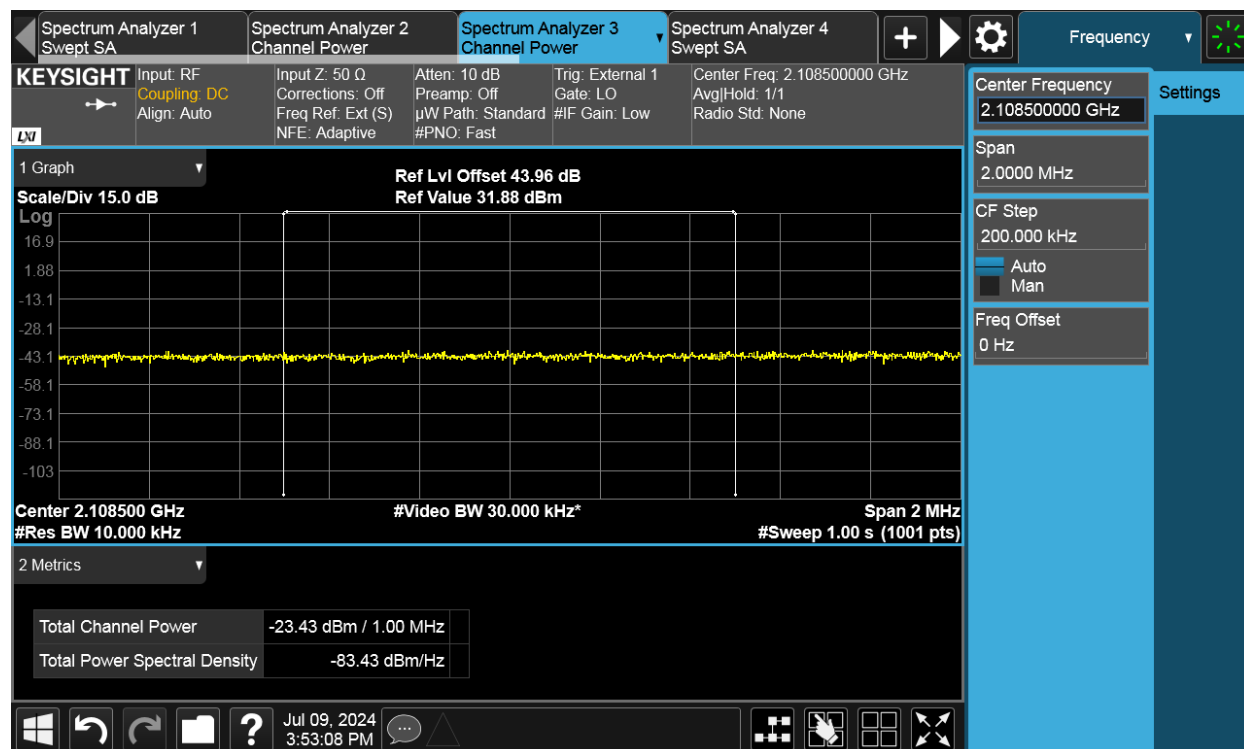
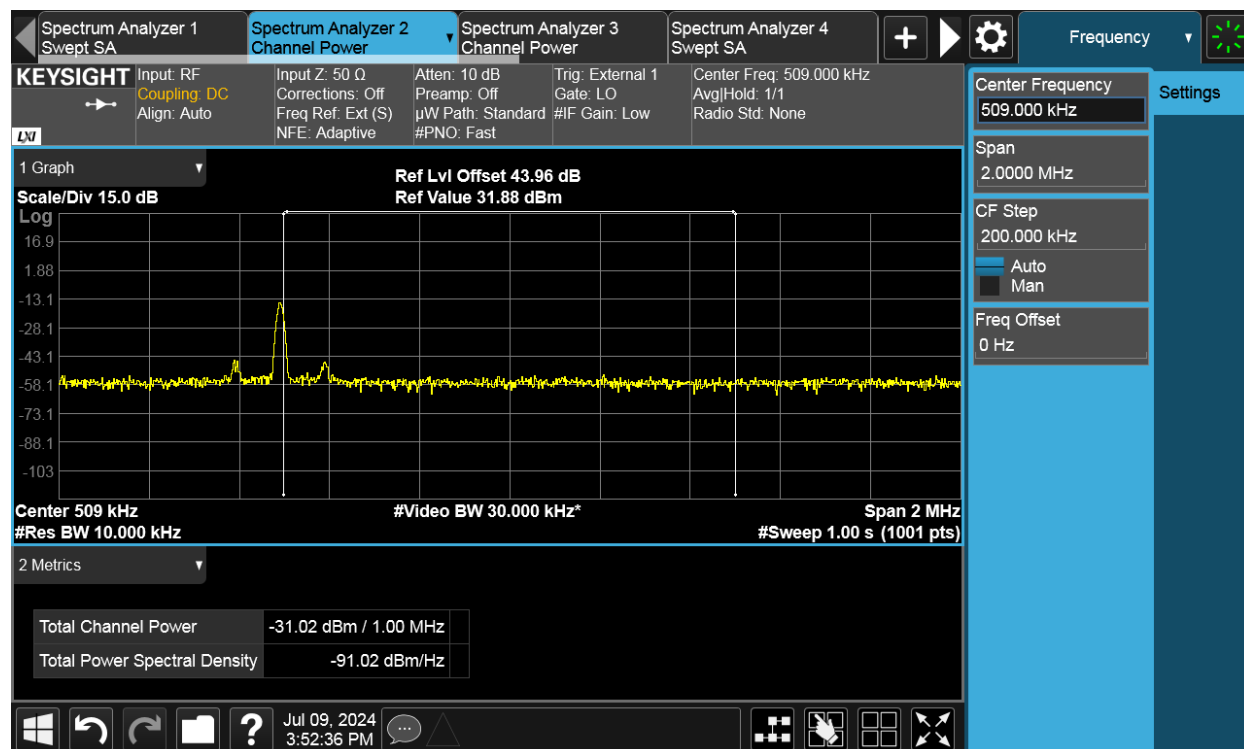
NR-1C

Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
B	B	64QAM	25	1000	-19.02
B	T	64QAM	25	1000	-19.02

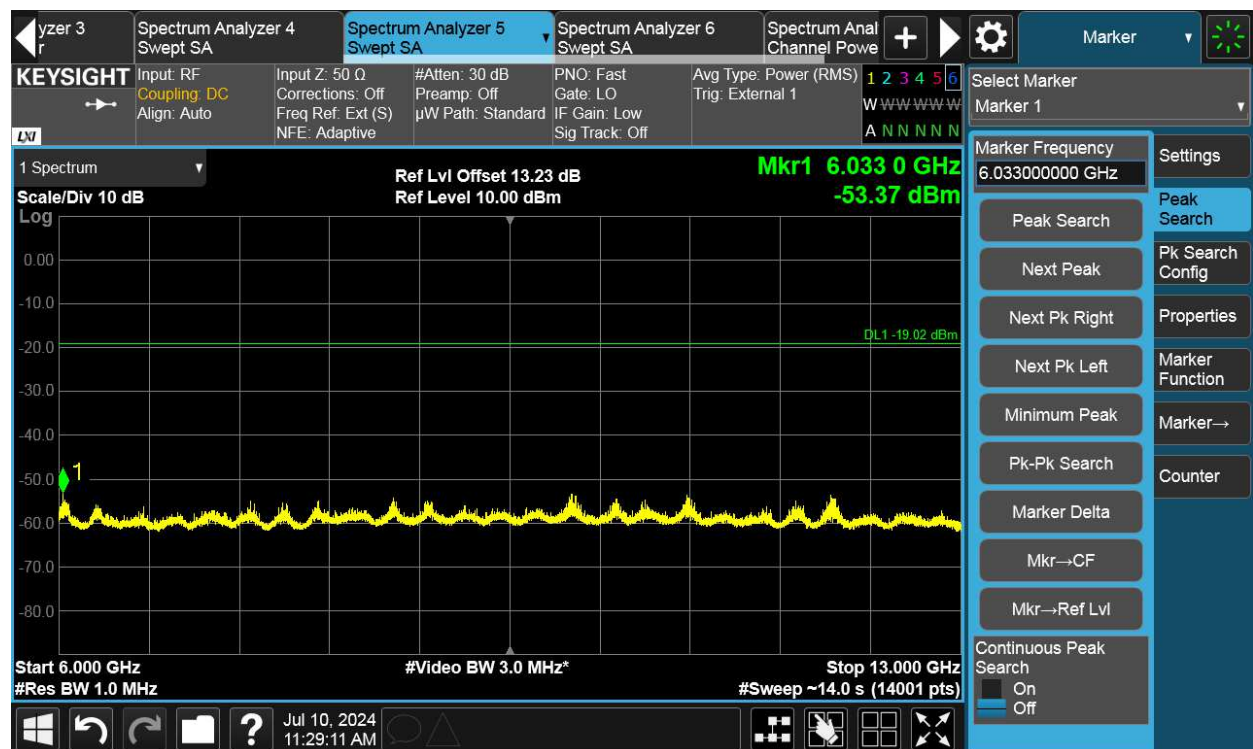
Channel Position B



TEST REPORT



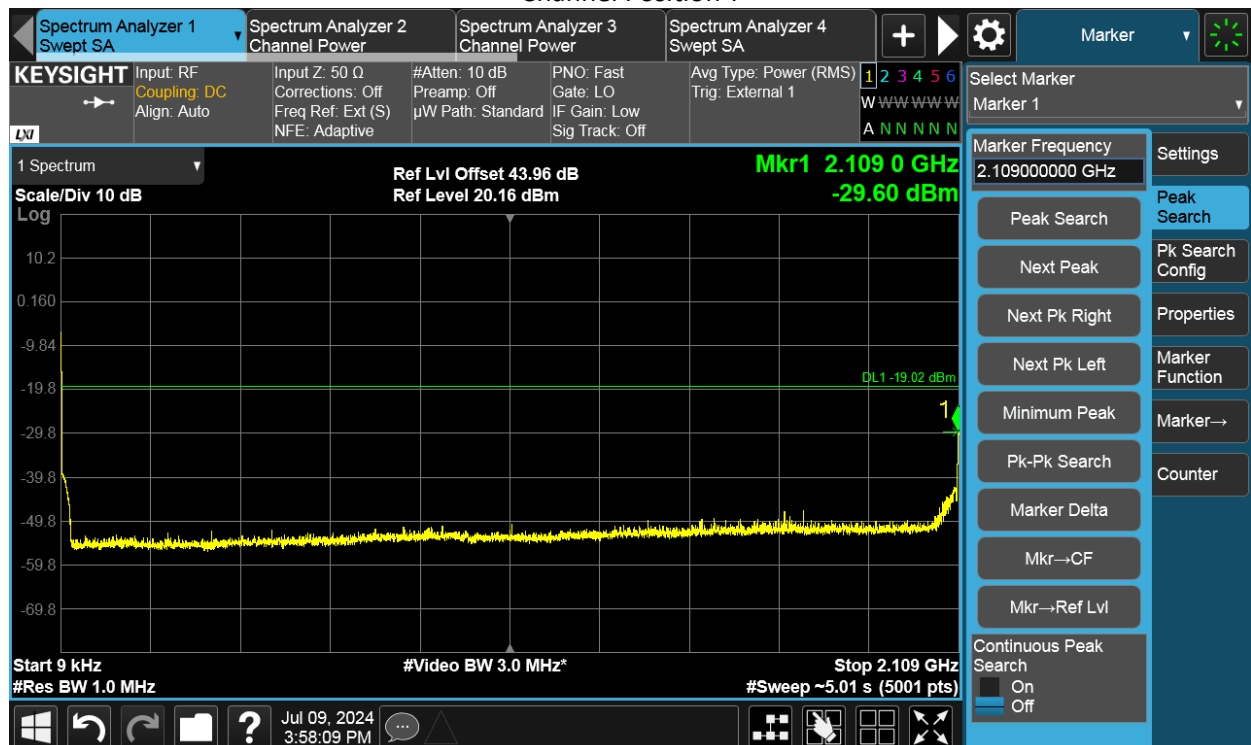
TEST REPORT



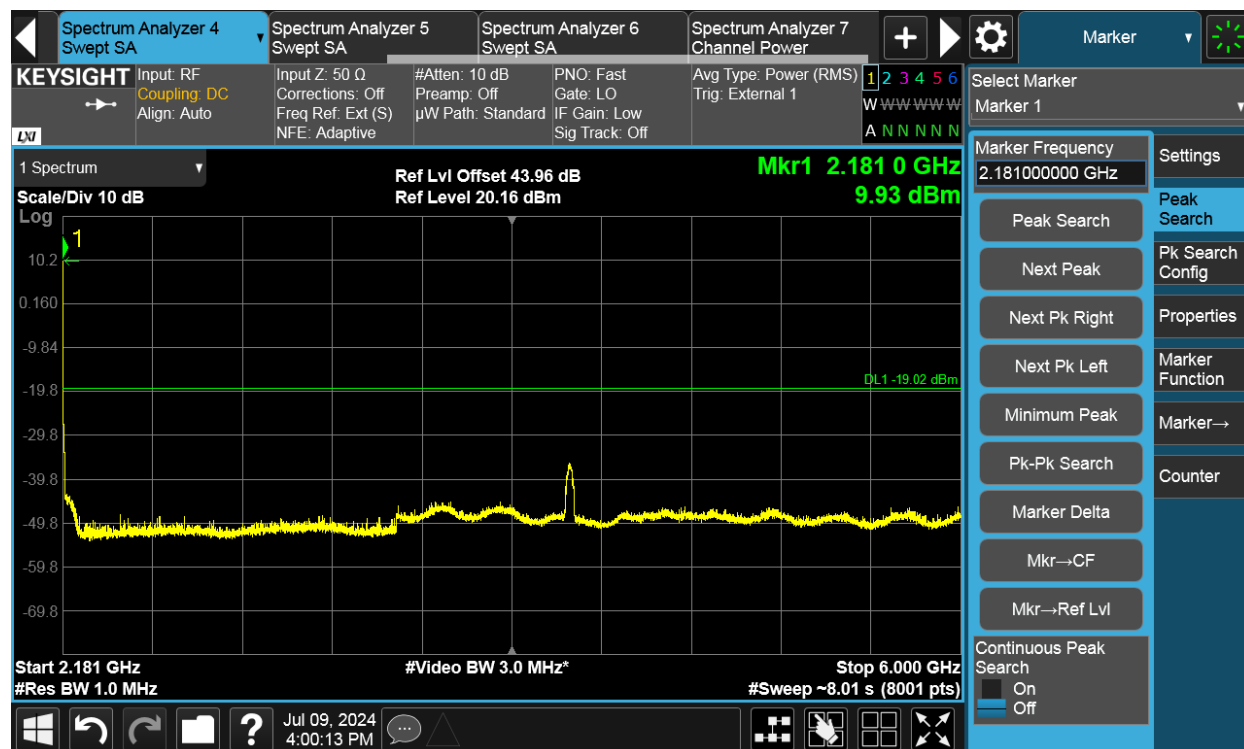
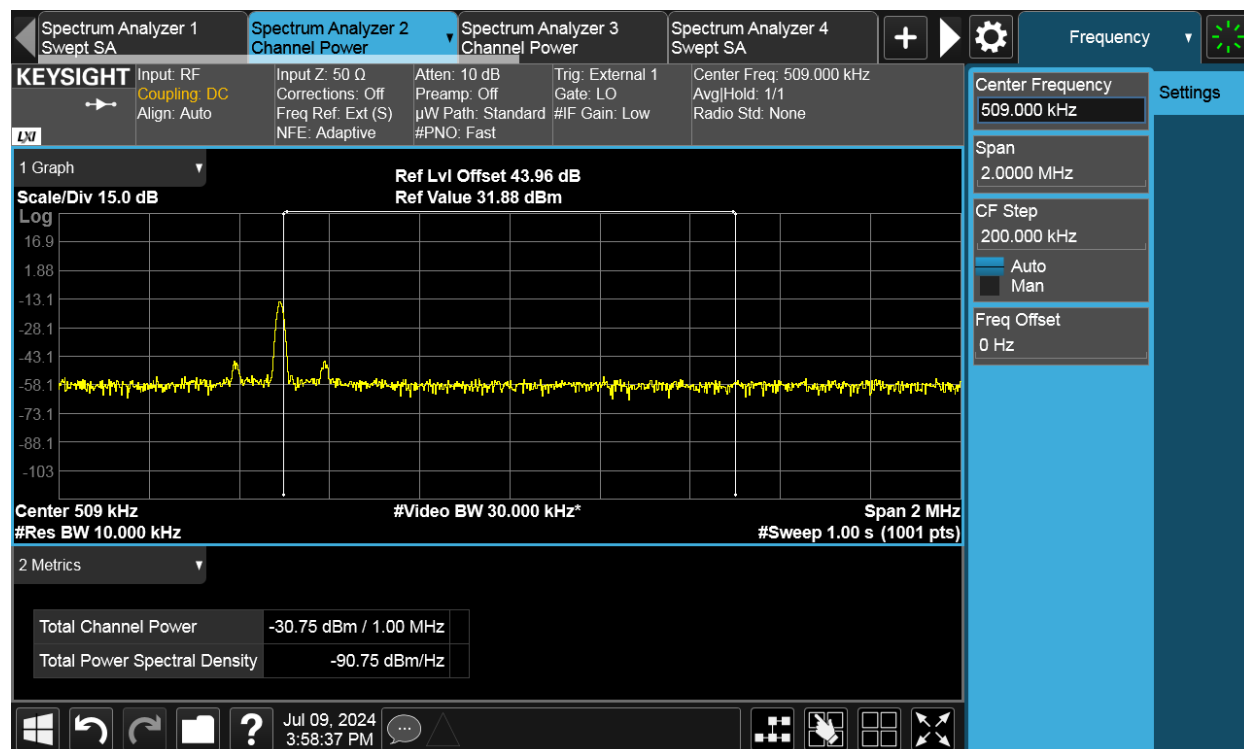
TEST REPORT



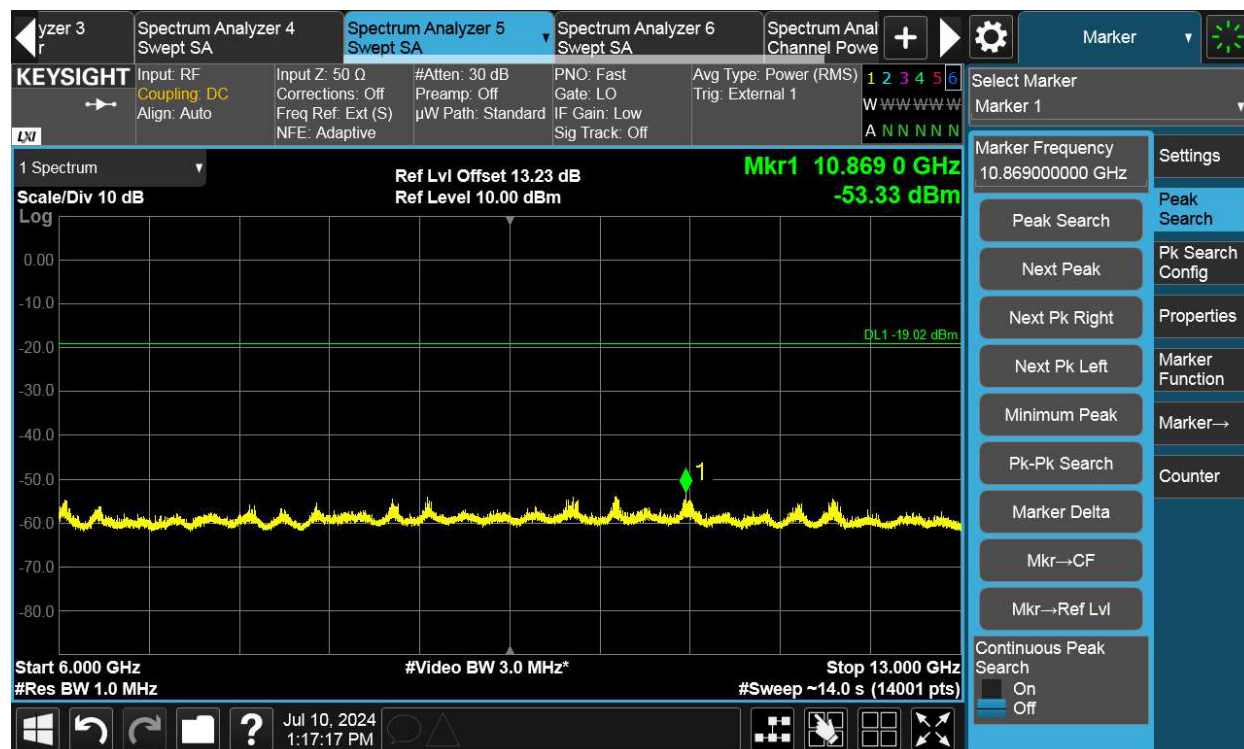
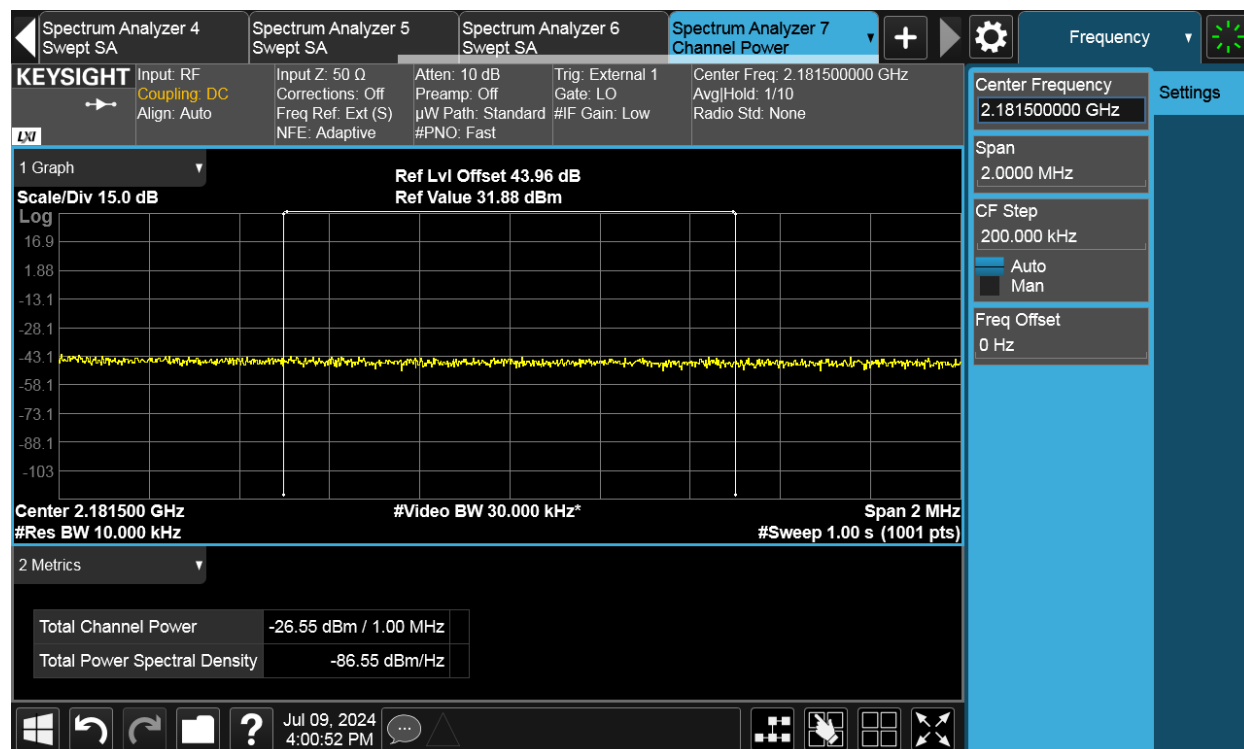
Channel Position T



TEST REPORT



TEST REPORT

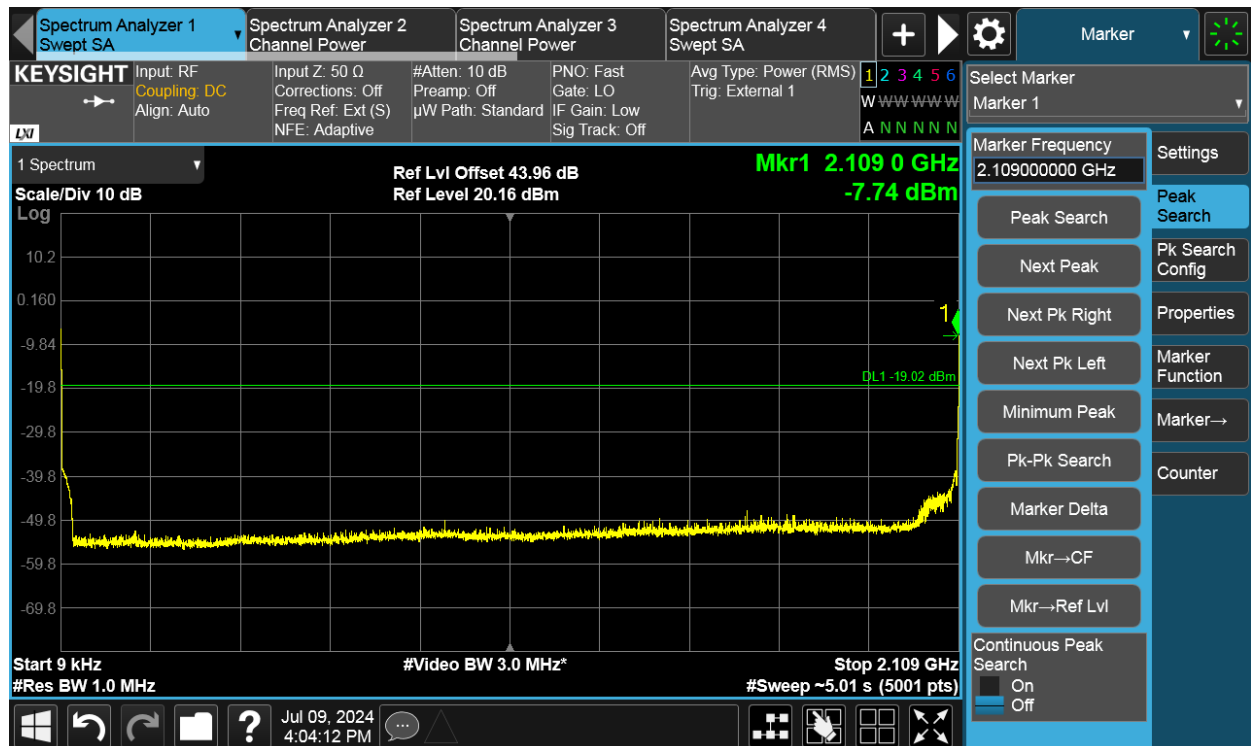


TEST REPORT

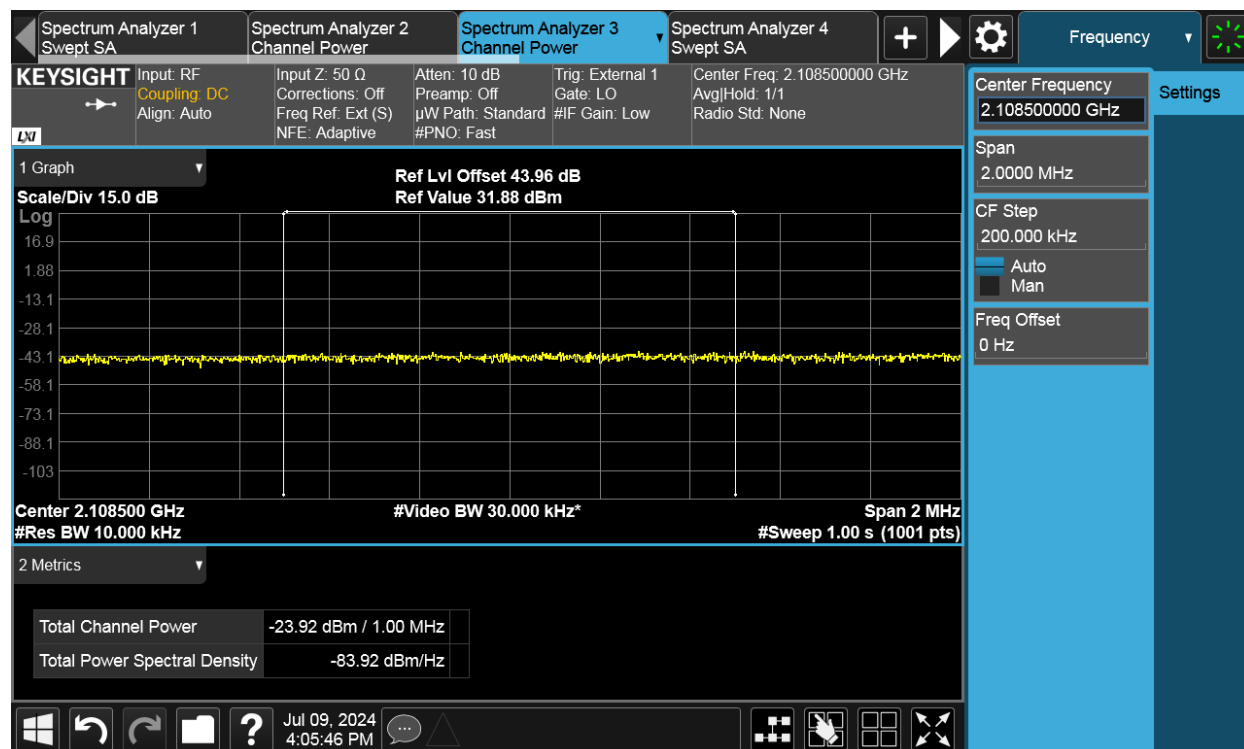
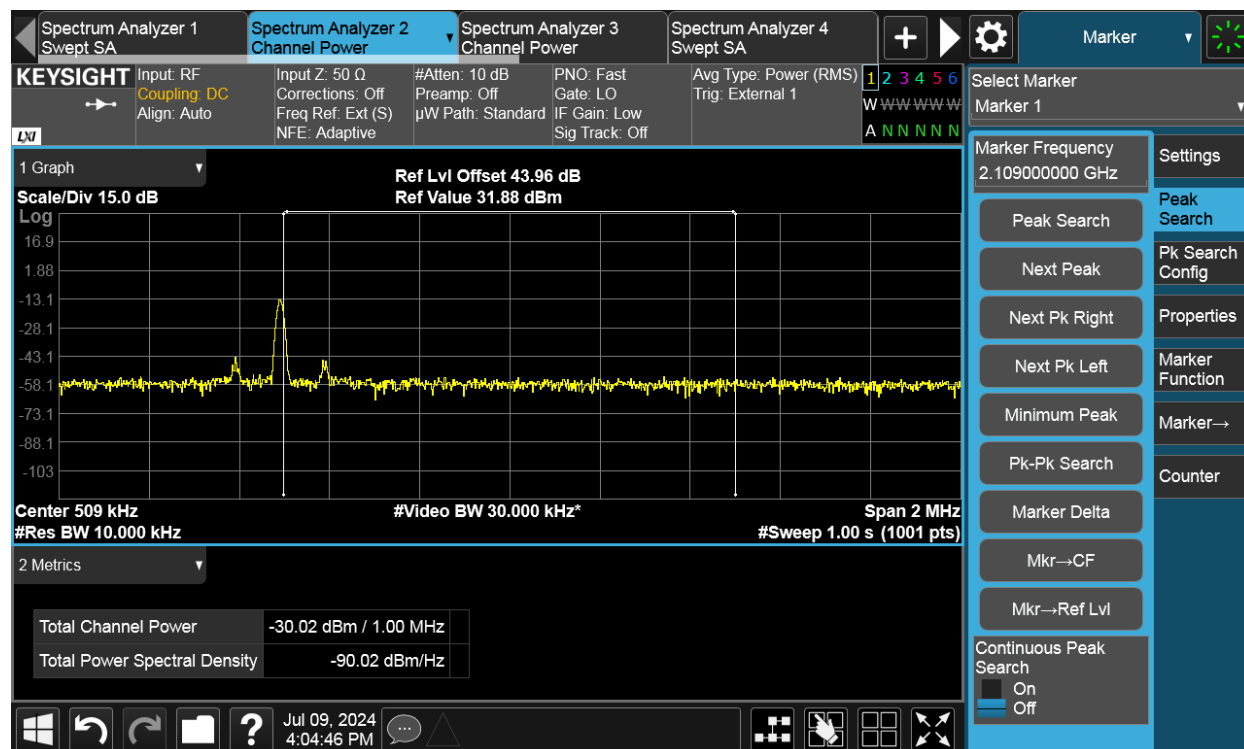


Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
B	B	64QAM	30	1000	-19.02
B	T	64QAM	30	1000	-19.02

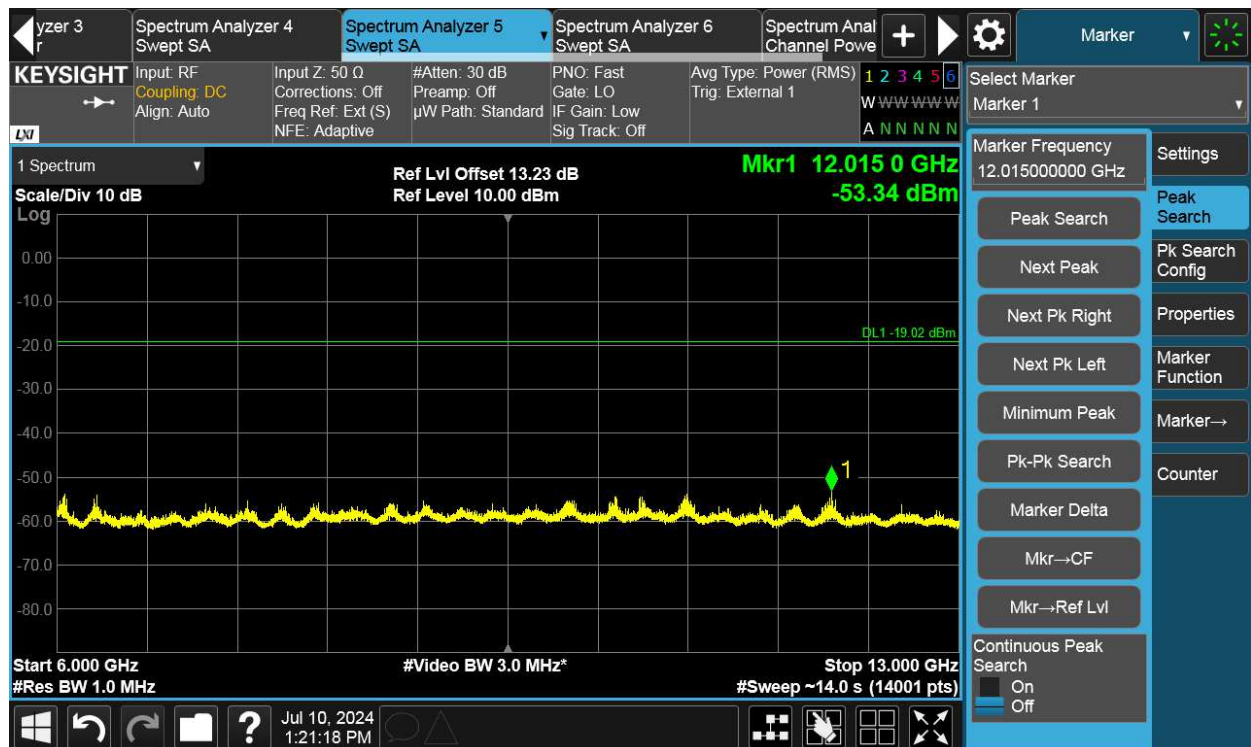
Channel Position B



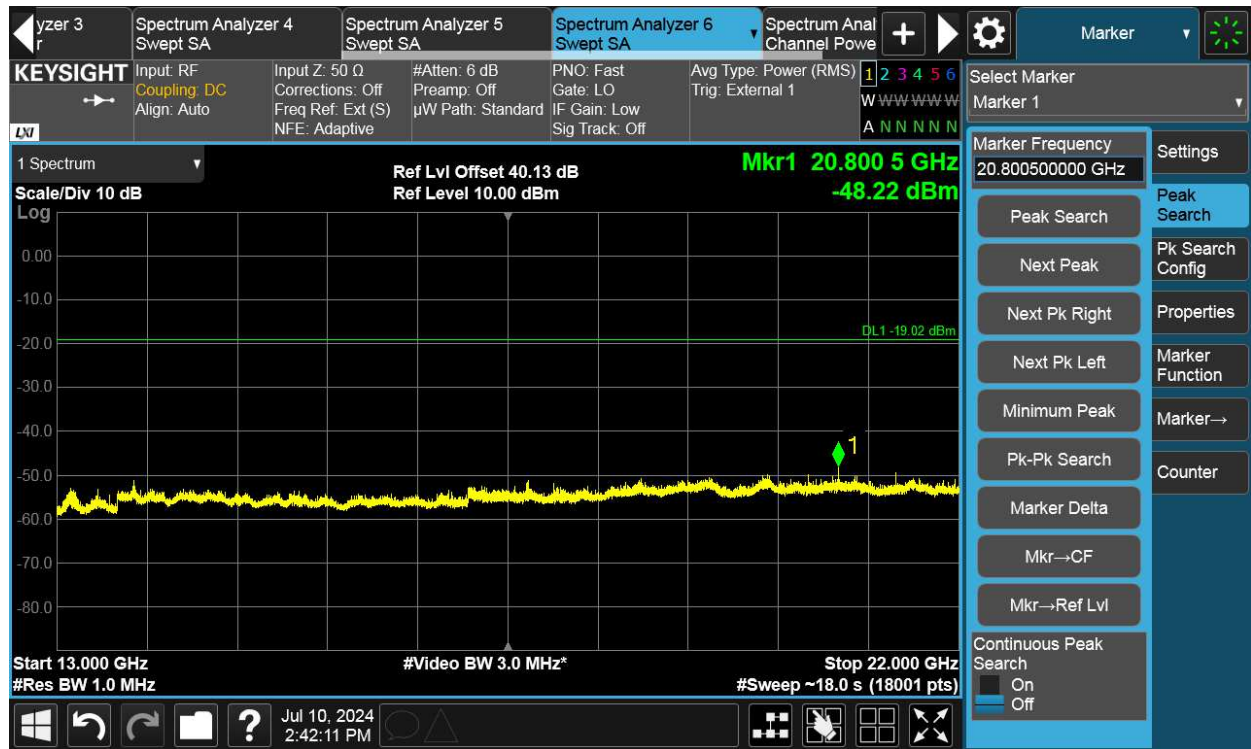
TEST REPORT



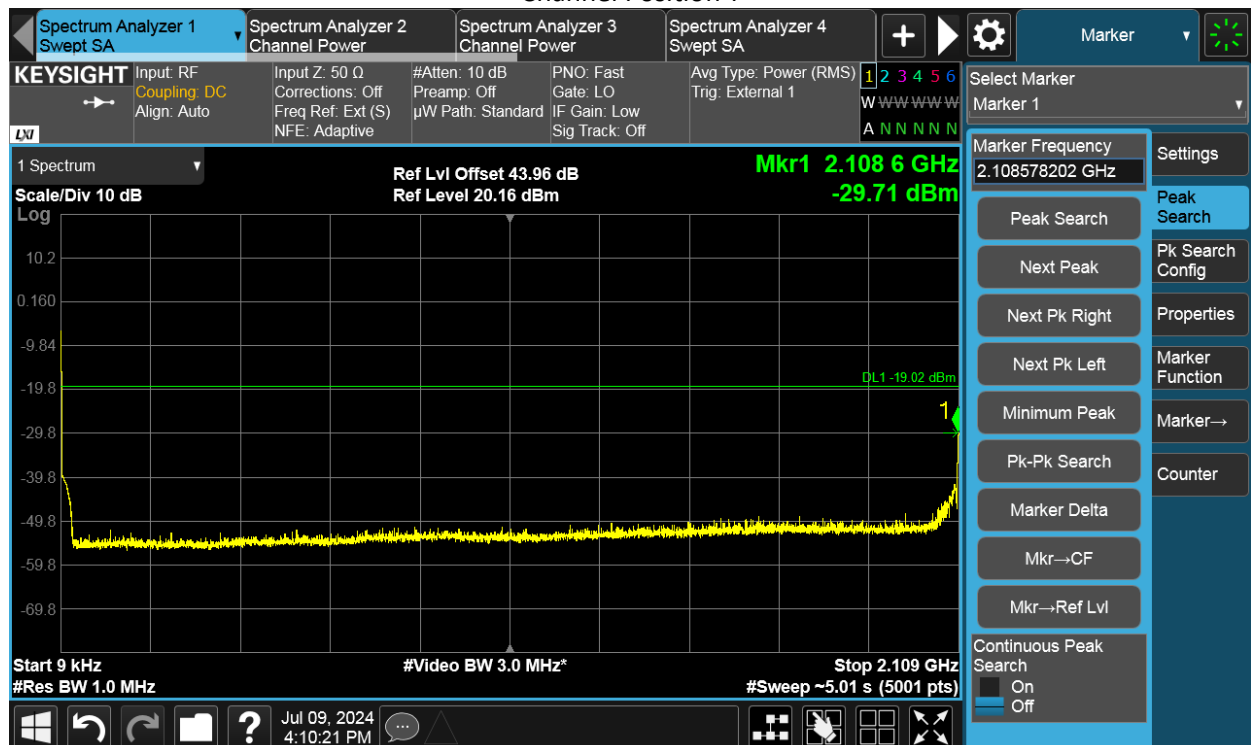
TEST REPORT



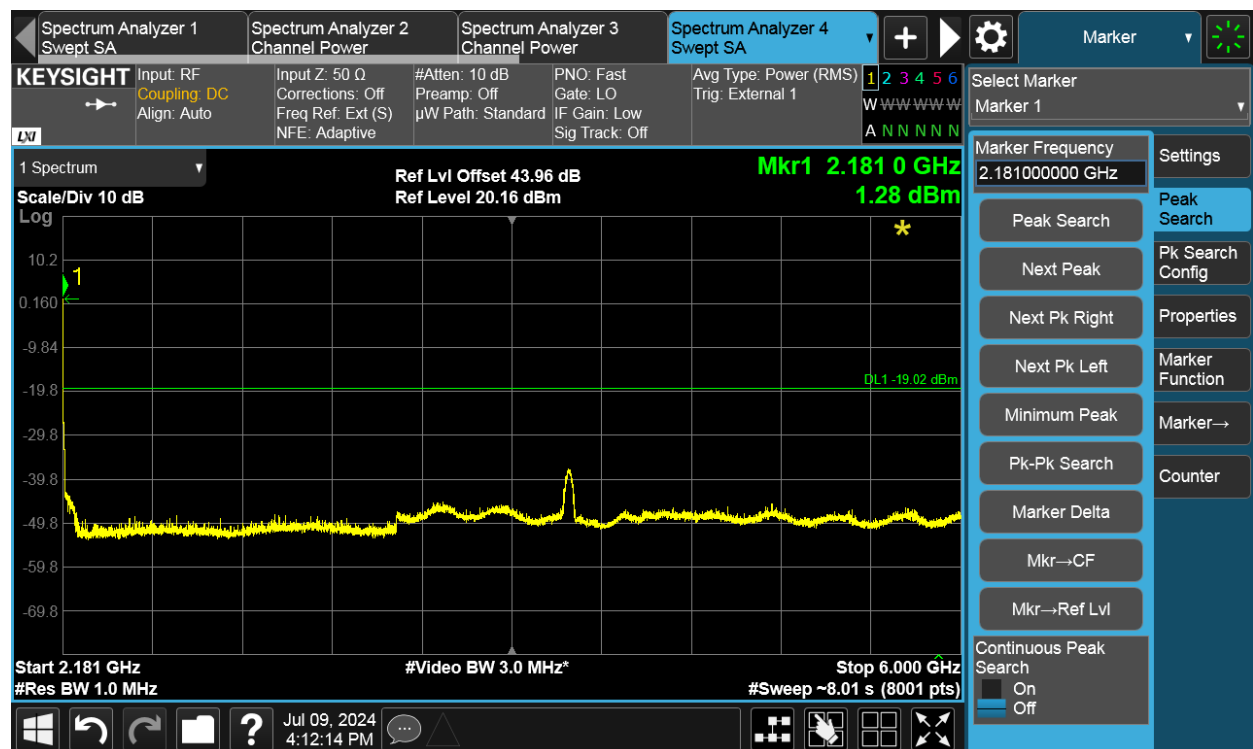
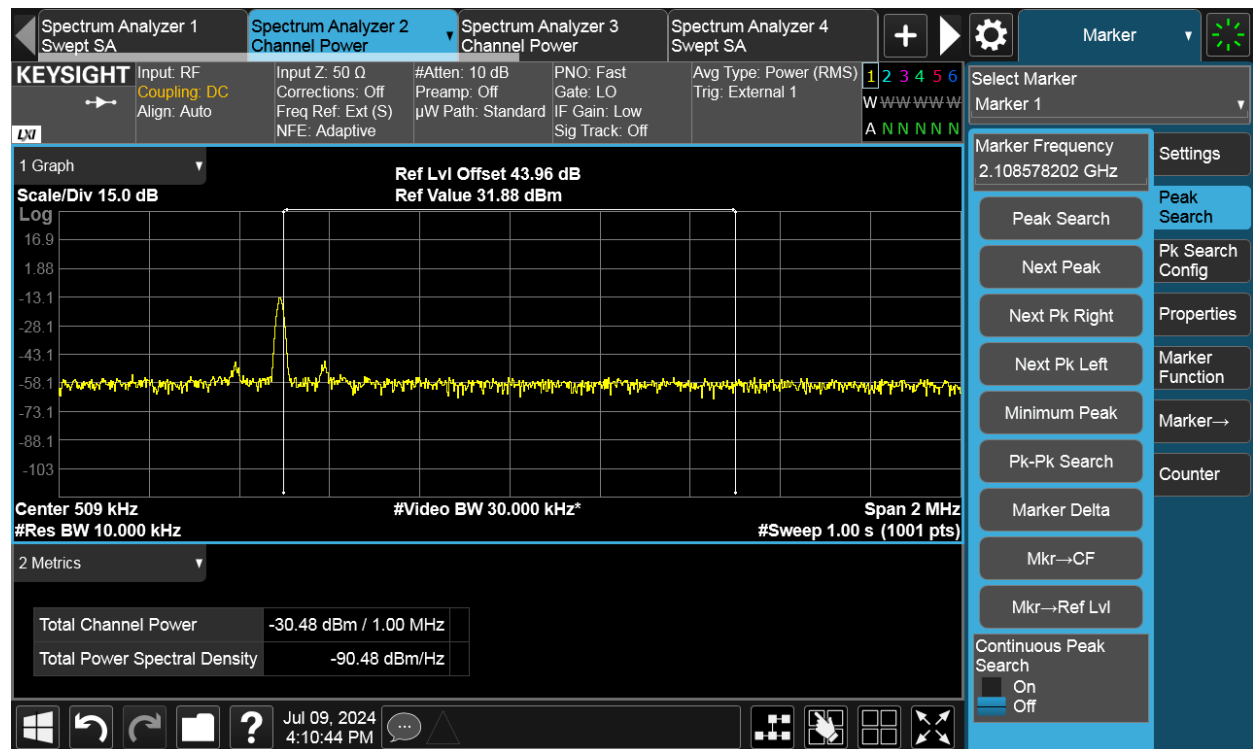
TEST REPORT



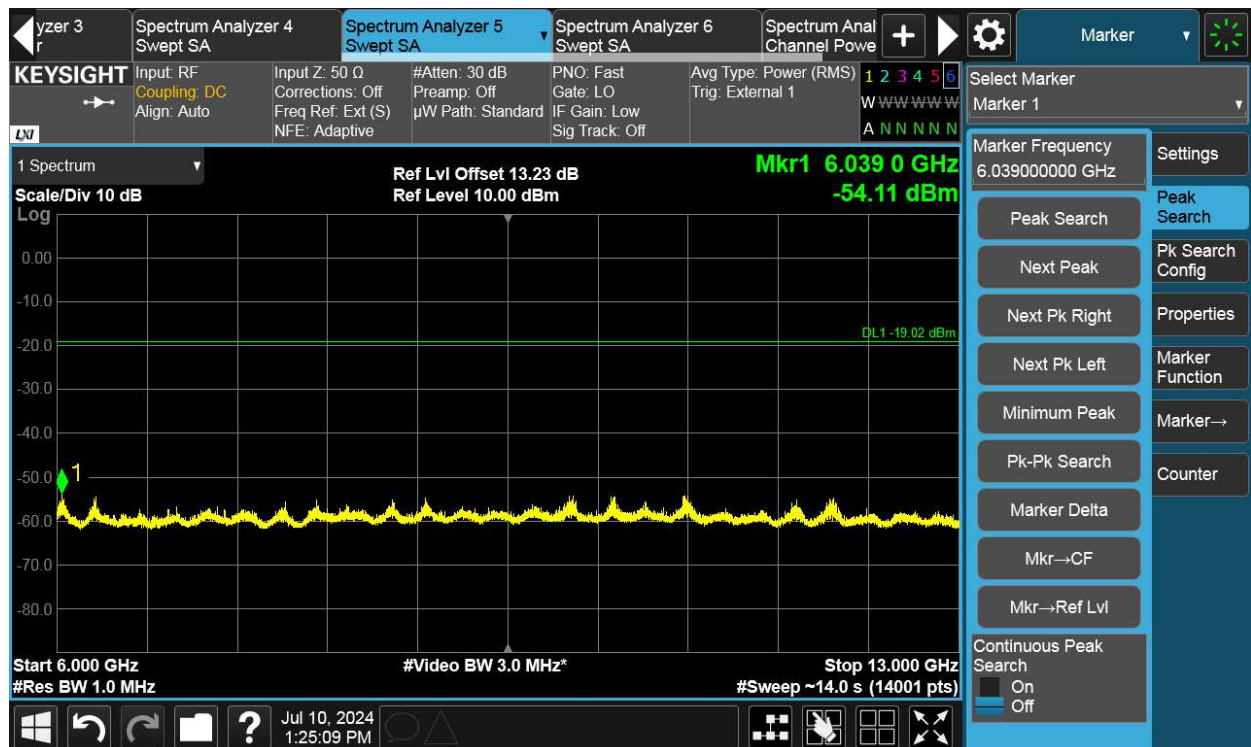
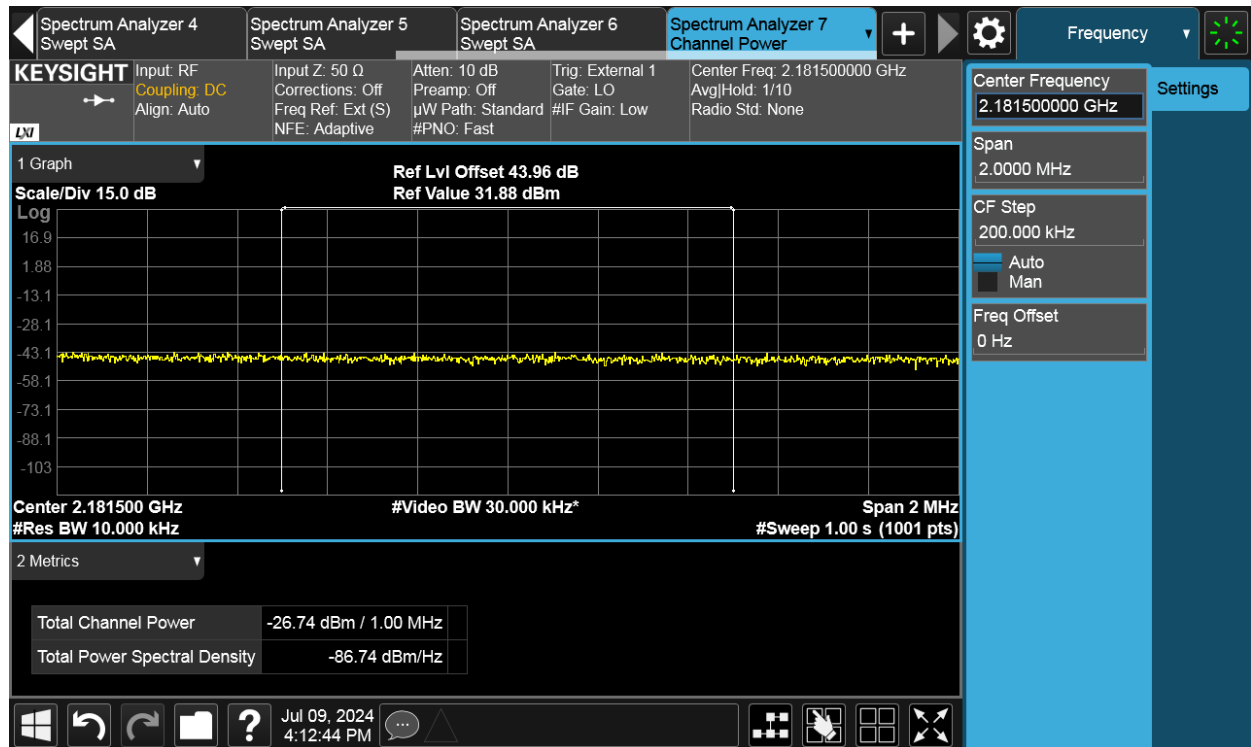
Channel Position T



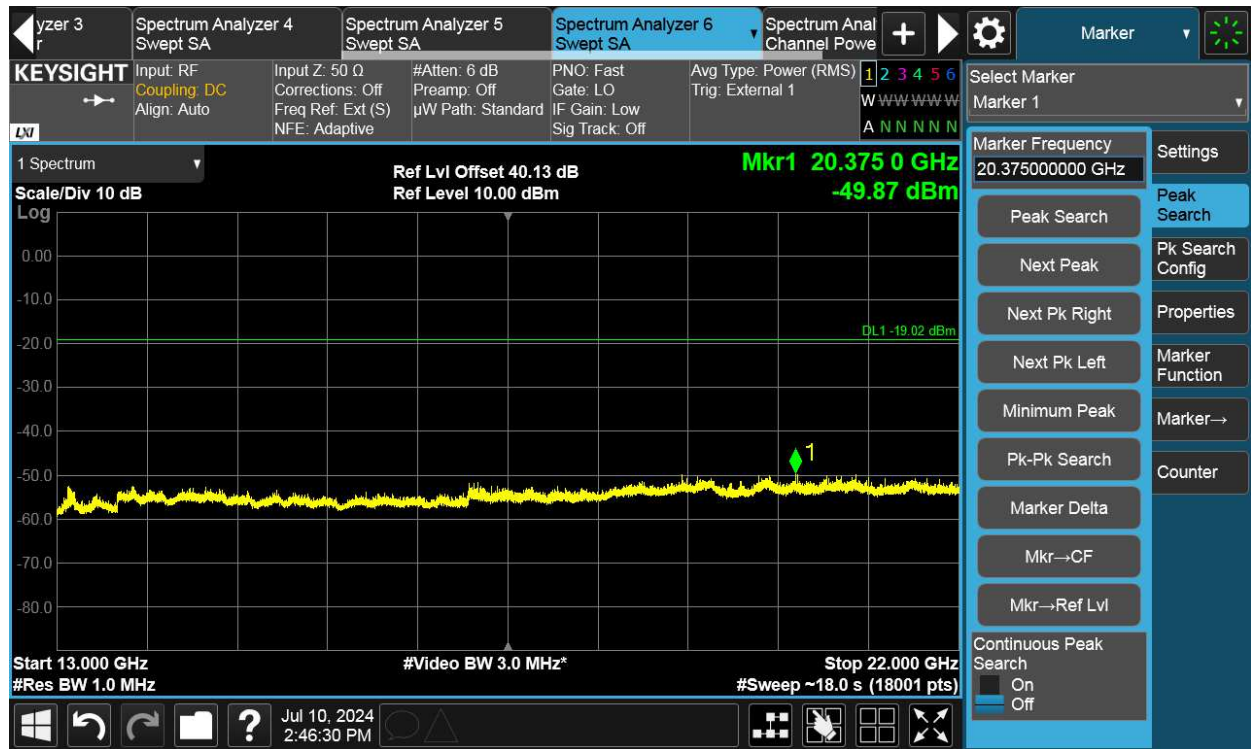
TEST REPORT



TEST REPORT

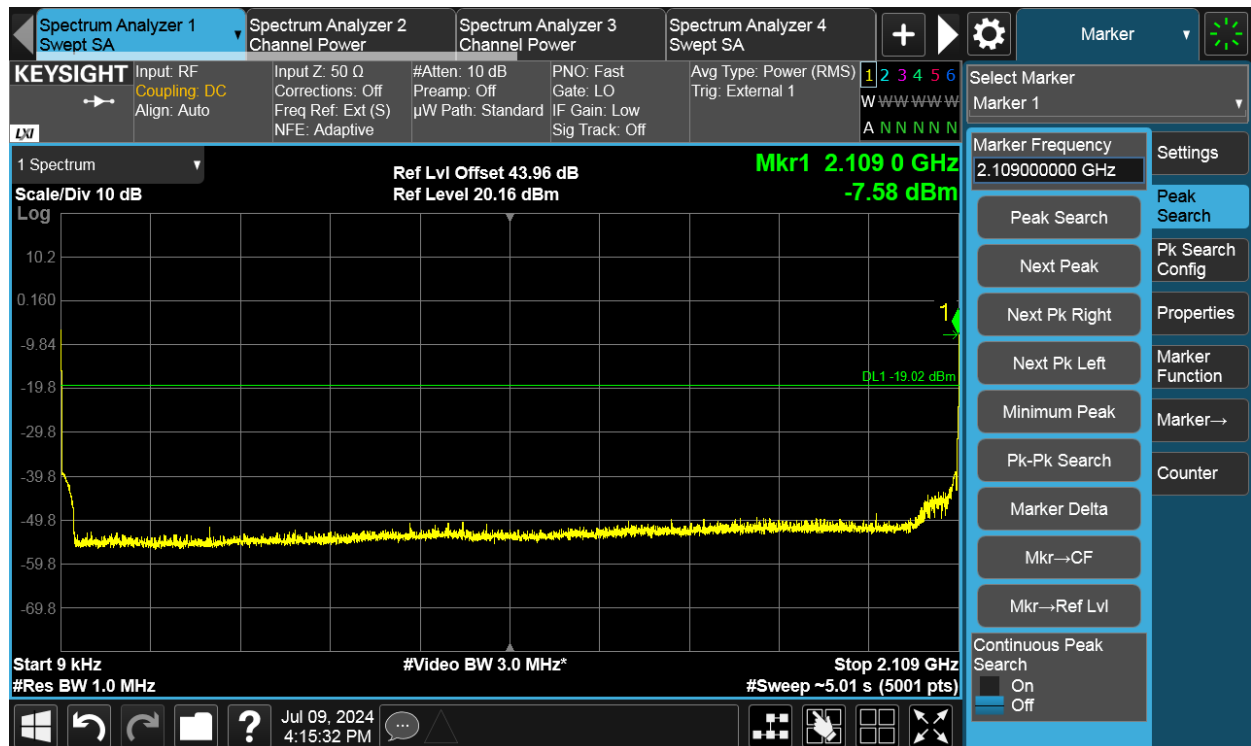


TEST REPORT

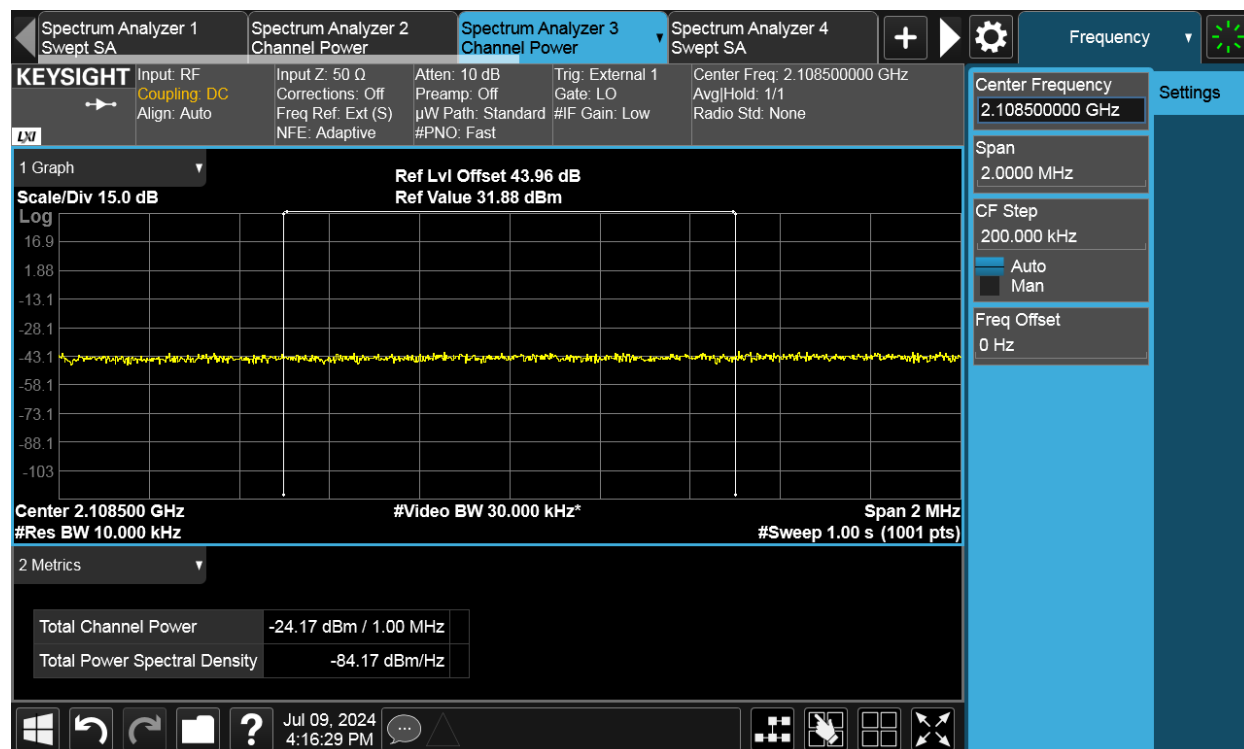
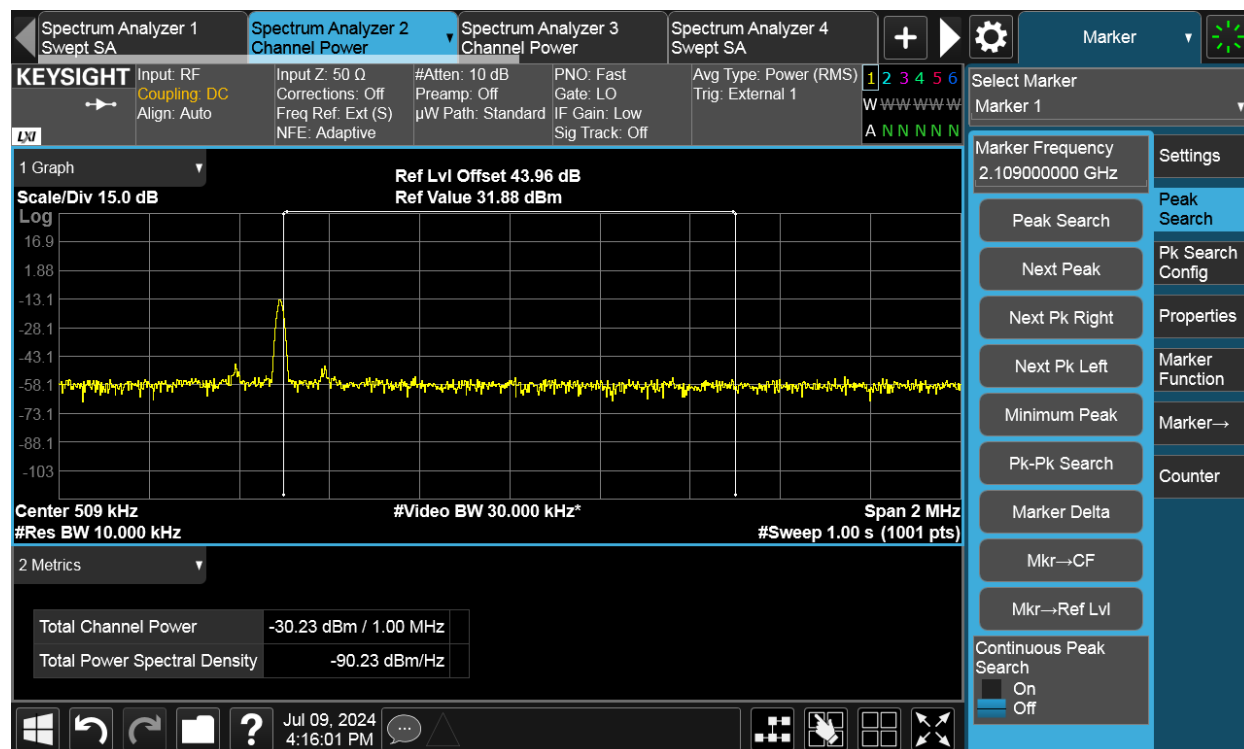


Antenna Port	Channel Position	Modulation	Carrier BW (MHz)	RBW (kHz)	Limit (dBm)
B	B	64QAM	35	1000	-19.02
B	T	64QAM	35	1000	-19.02

Channel Position B



TEST REPORT



TEST REPORT

