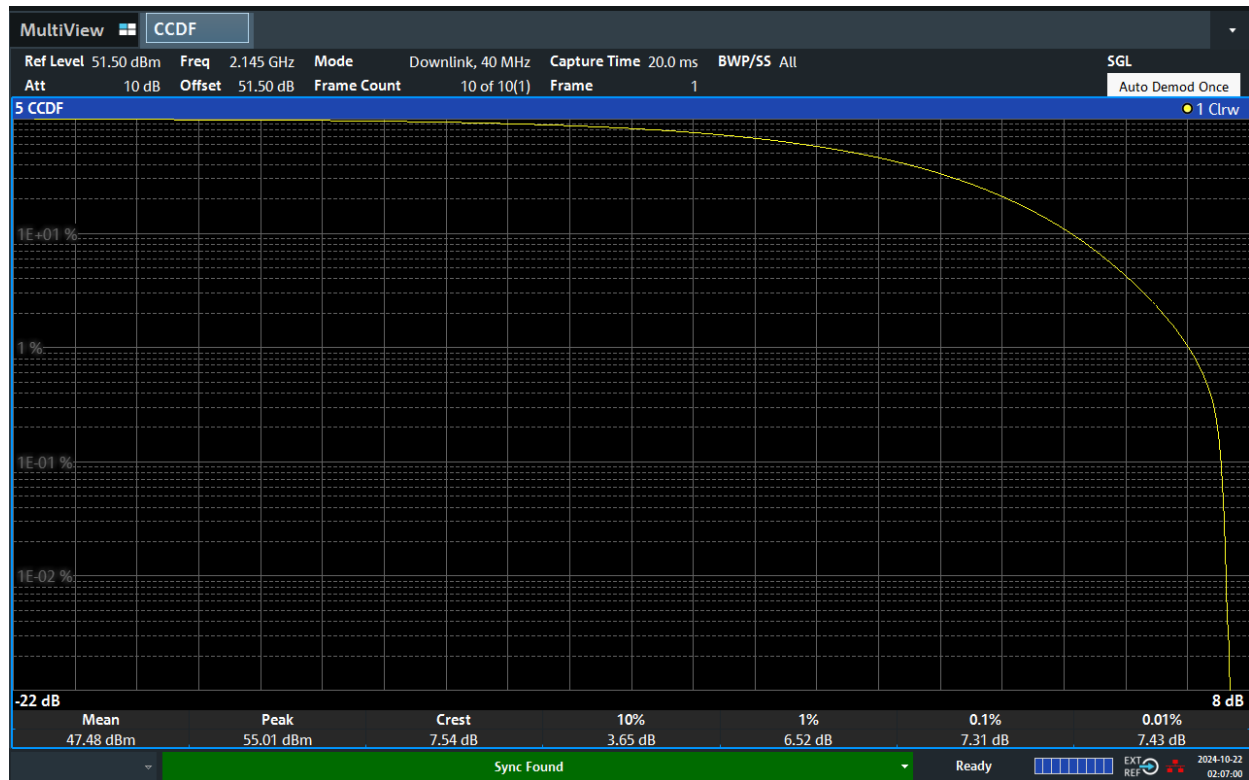
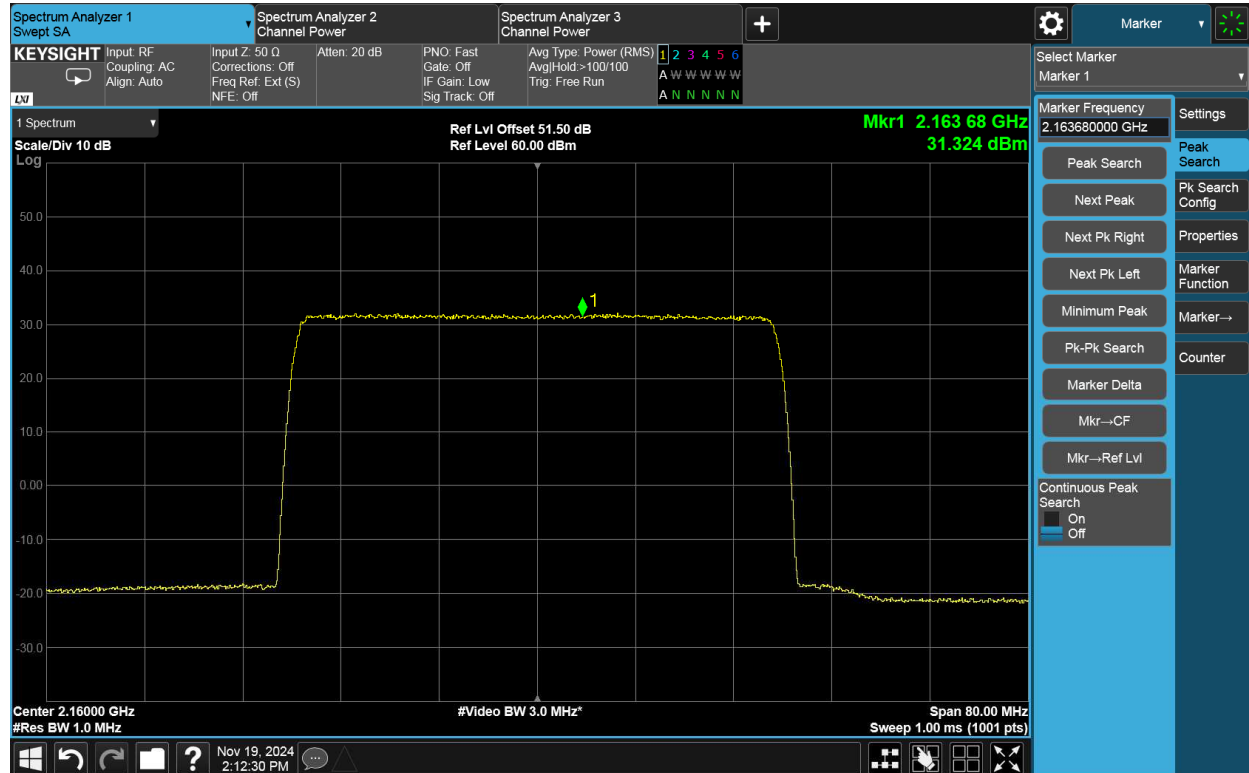


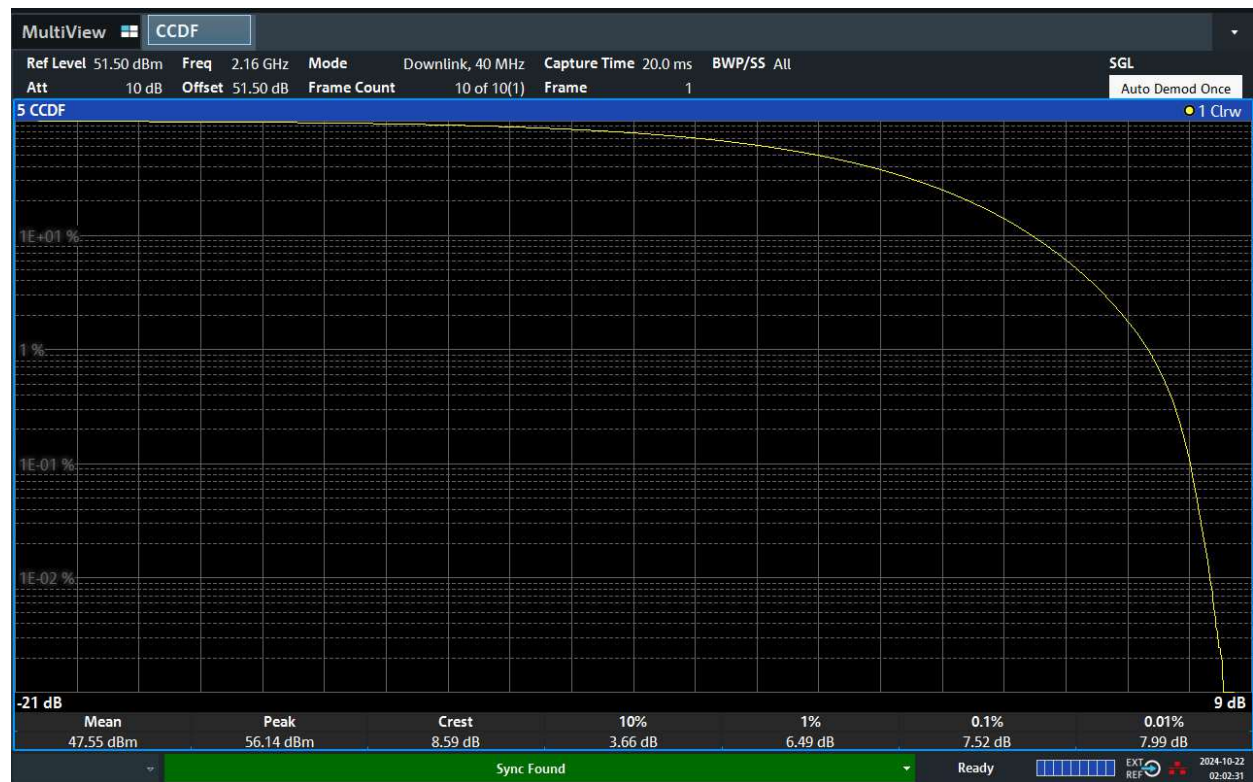
TEST REPORT



Channel position T



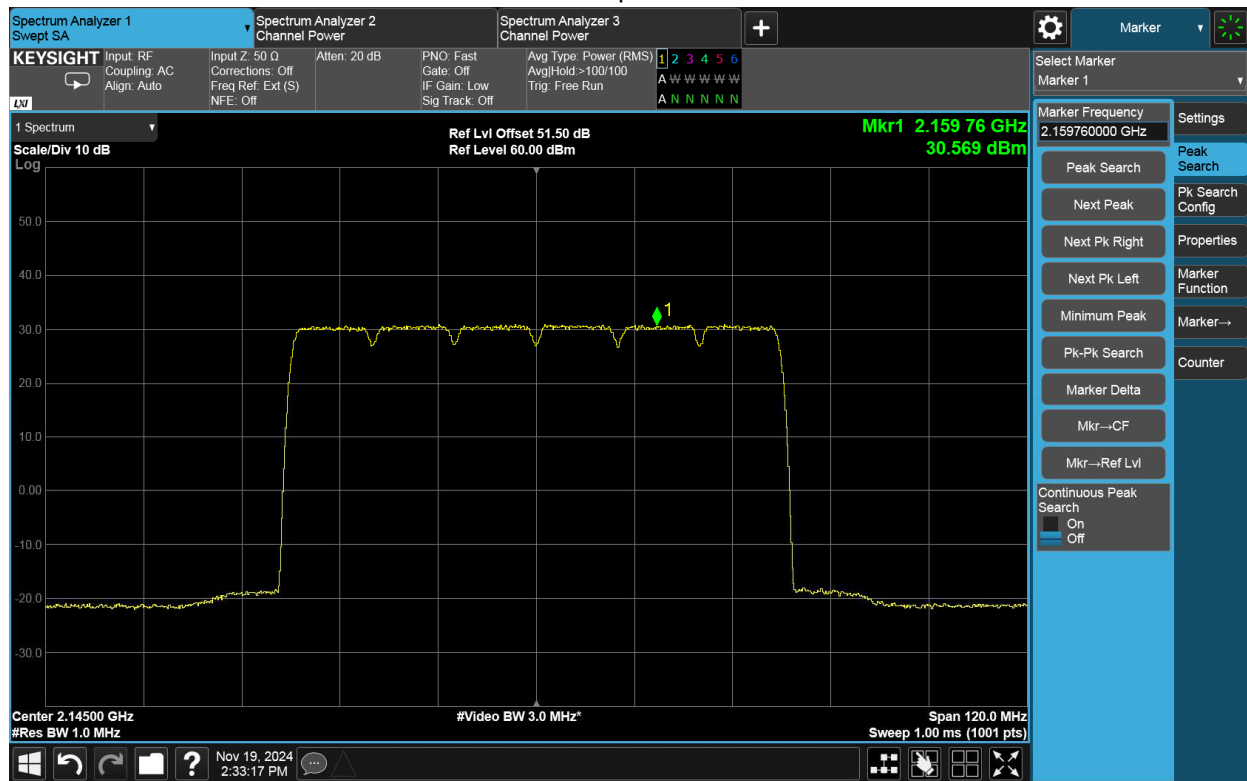
TEST REPORT



NR-6C

Antenna Port	NR Modulation	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	QPSK	10	-	-	-	47.50	30.27	-	-	-	-
B	QPSK	10	-	-	-	47.51	29.93	-	-	-	-
C	QPSK	10	-	-	-	47.56	30.26	-	-	-	-
D	QPSK	10	-	-	-	47.58	30.57	-	-	-	-
Total conducted power			-	-	-	53.56	36.28	-	-	-	-
EIRP limit			-	-	-	-	62.15	-	-	-	-
Max antenna gain			-	-	-	-	25.87	-	-	-	-

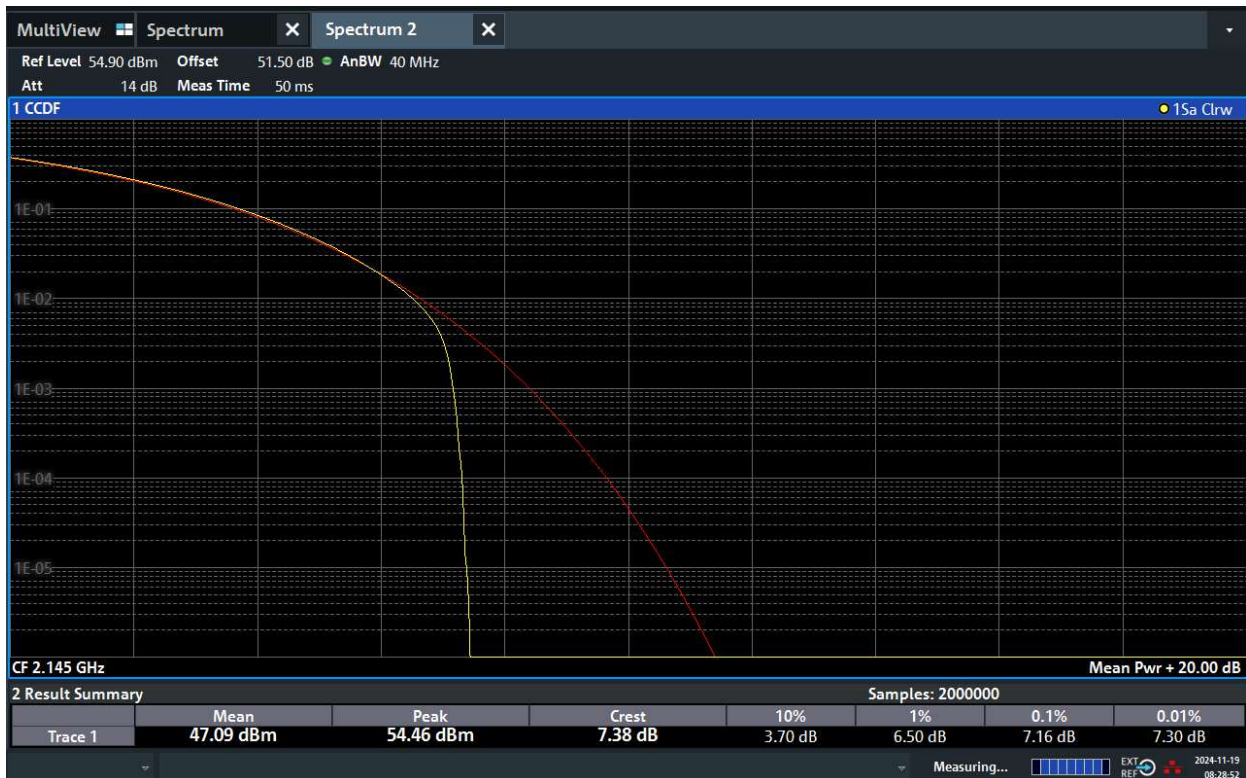
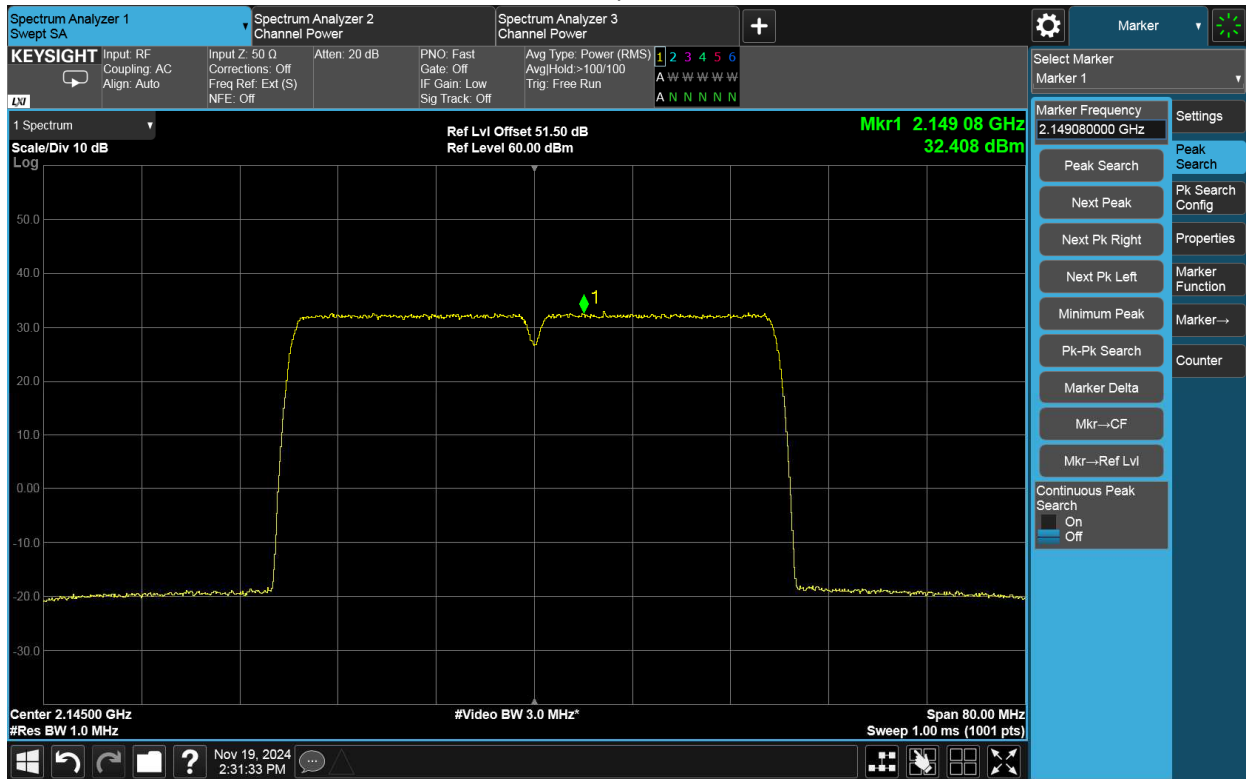
Channel position M



NR-CA

Antenna Port	NR Modulation	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	QPSK	20	-	-	-	47.50	31.83	7.14	-	-	-
B	QPSK	20	-	-	-	47.49	31.93	7.16	-	-	-
C	QPSK	20	-	-	-	47.45	31.89	7.14	-	-	-
D	QPSK	20	-	-	-	47.62	32.41	7.12	-	-	-
Total conducted power			-	-	-	53.54	38.04	-	-	-	-
EIRP limit			-	-	-	-	62.15	13.00	-	-	-
Max antenna gain			-	-	-	-	24.11	-	-	-	-

Channel position M

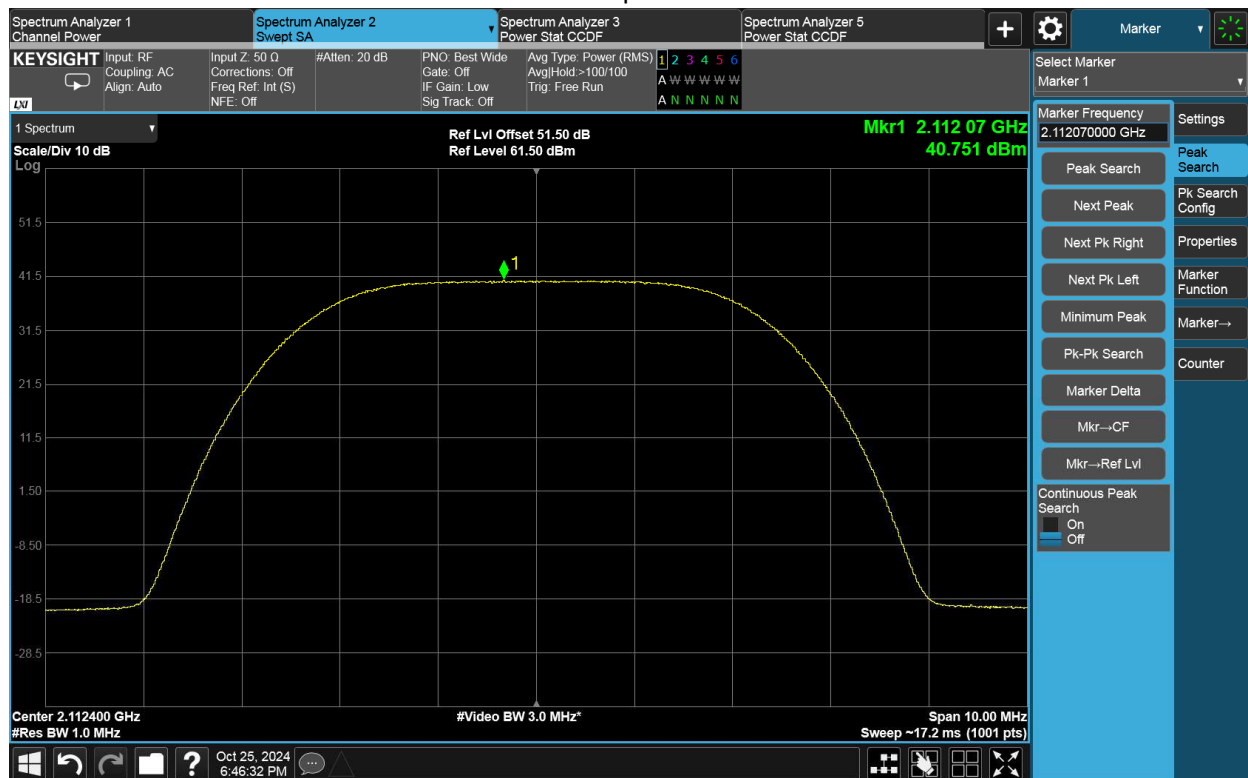


TEST REPORT

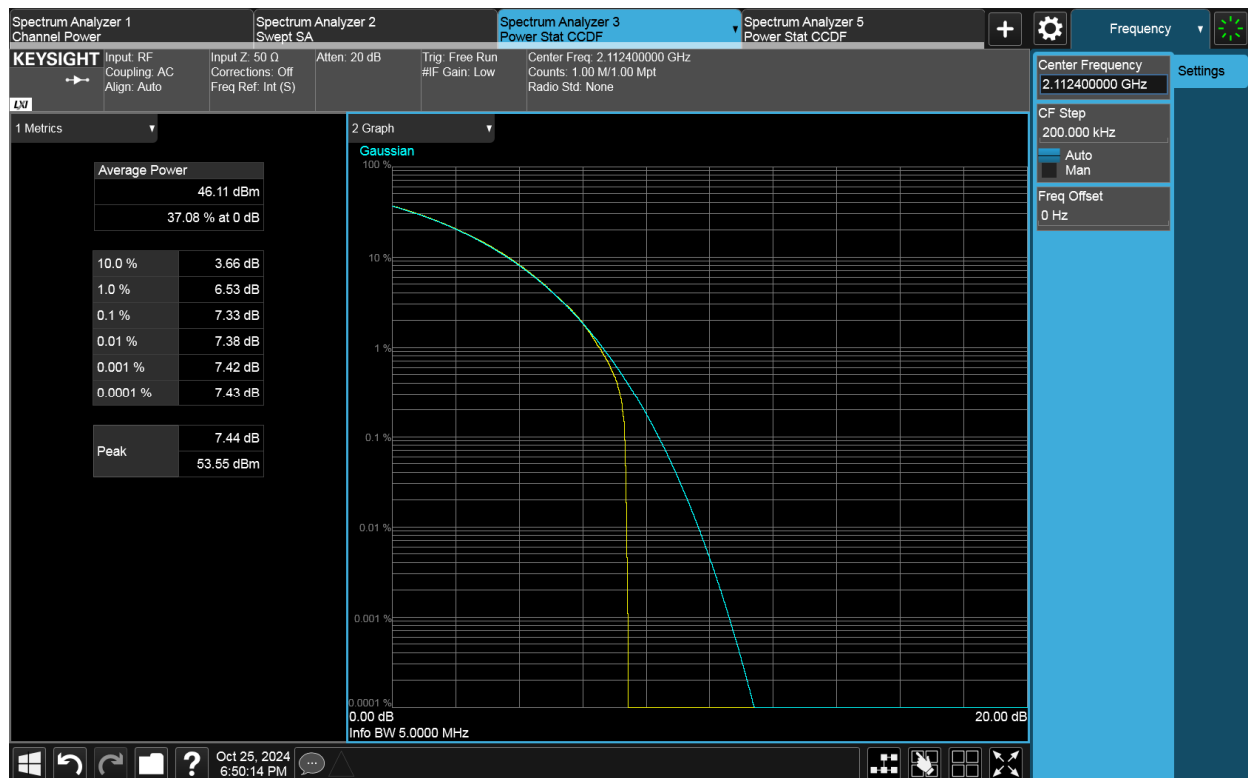
W-1C

Antenna Port	NR Modulation	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	64QAM	5	46.09	40.63	7.31	46.18	40.71	7.32	45.99	40.53	7.31
B	64QAM	5	45.89	40.40	7.31	46.12	40.60	7.32	46.09	40.53	7.31
C	64QAM	5	46.14	40.75	7.32	46.31	40.91	7.32	46.24	40.84	7.30
D	64QAM	5	46.10	40.63	7.33	46.17	40.68	7.32	46.07	40.59	7.31
Total conducted power			52.08	46.62	-	52.22	46.75	-	52.12	46.65	-
EIRP limit			-	62.15	13.00	-	62.15	13.00	-	62.15	13.00
Max antenna gain			-	15.53	-	-	15.40	-	-	15.50	-

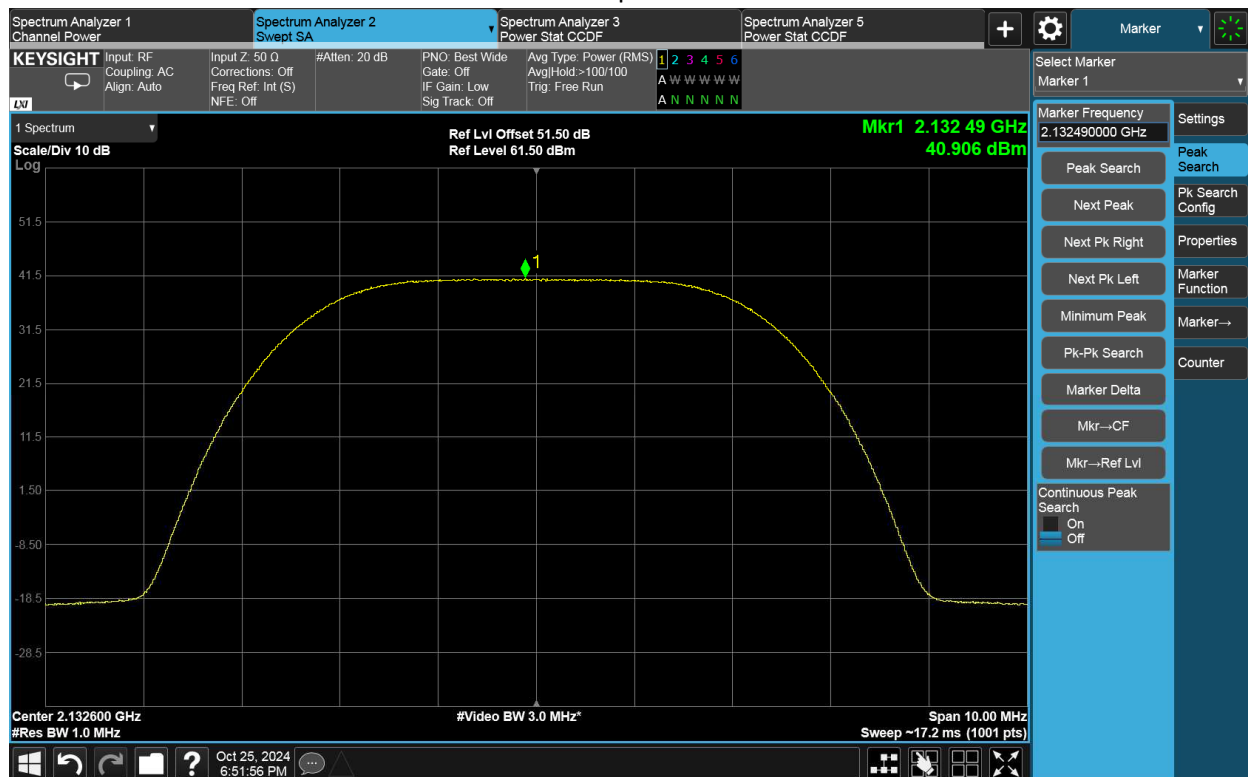
Channel position B



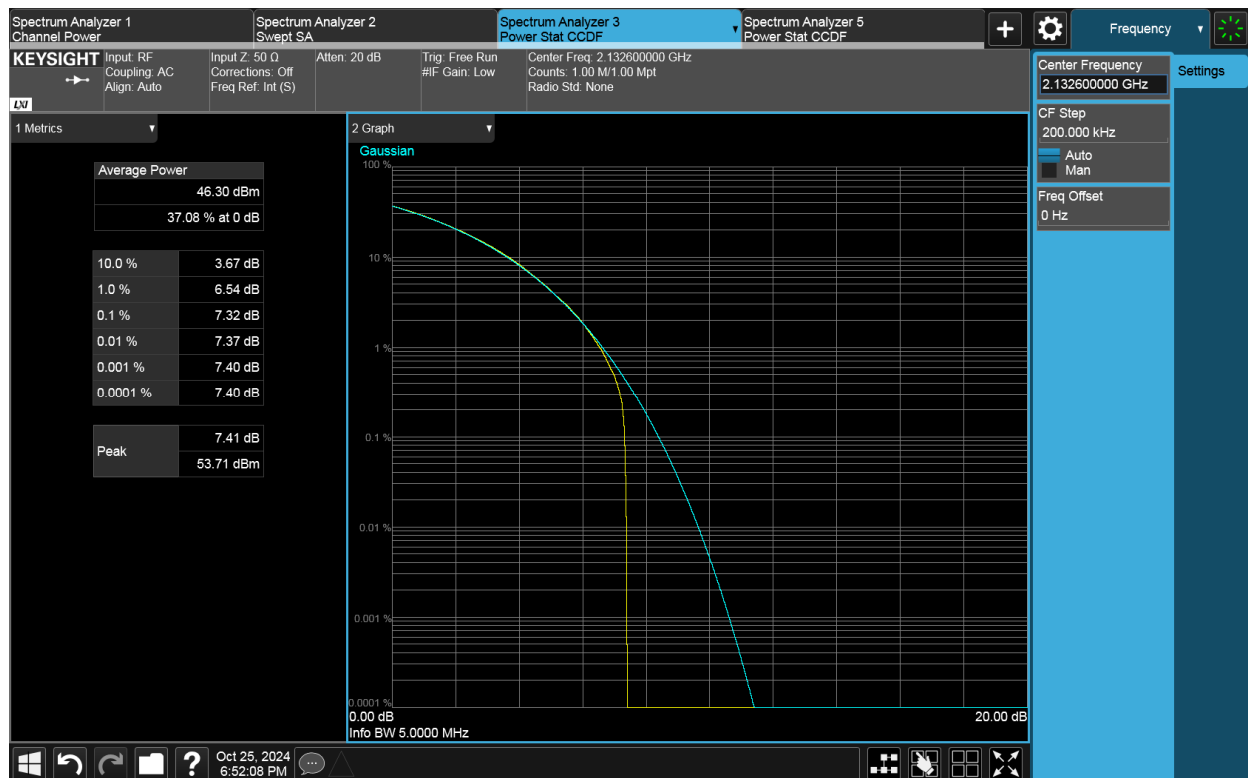
TEST REPORT



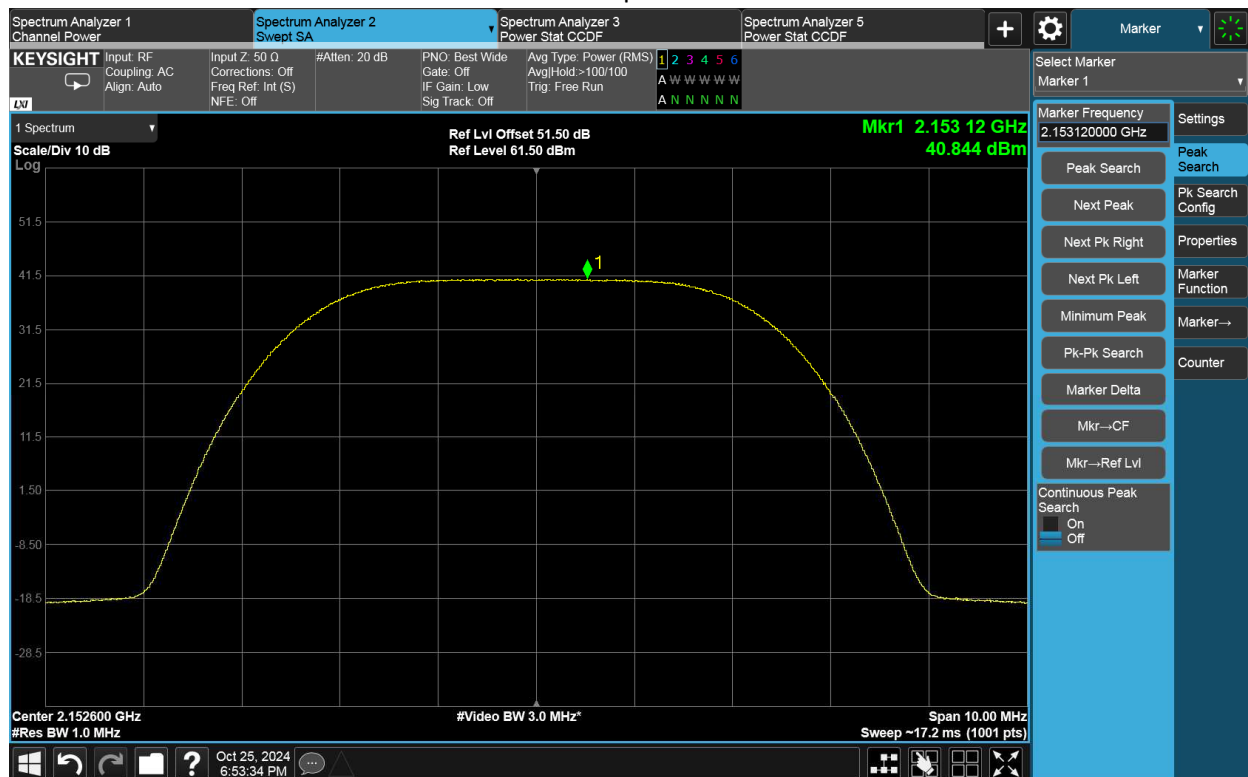
Channel position M



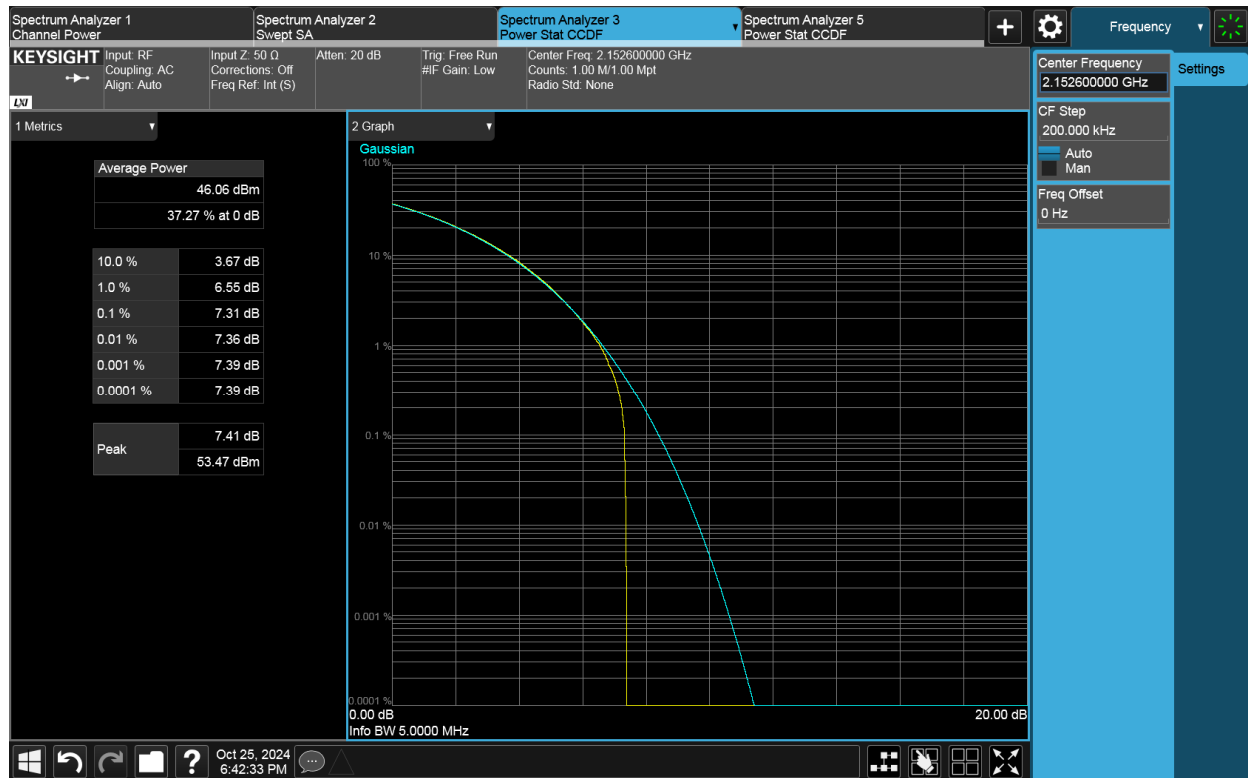
TEST REPORT



Channel position T



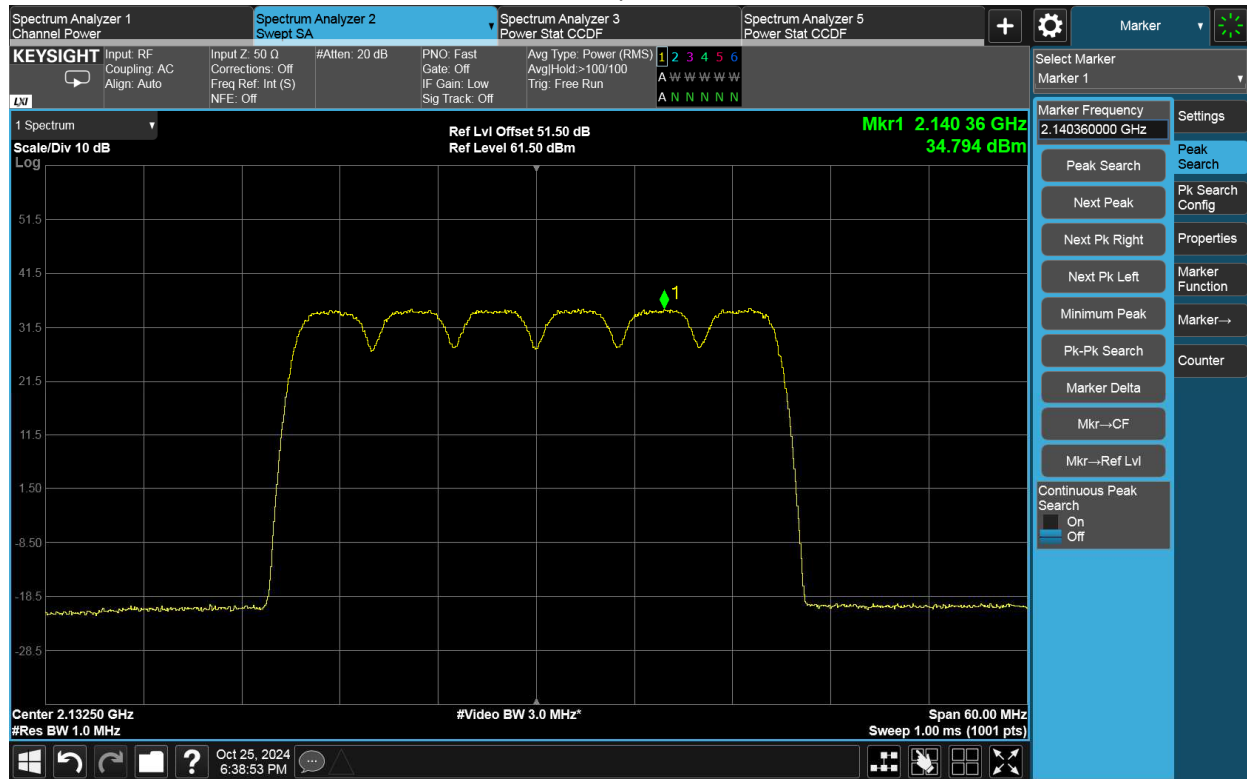
TEST REPORT



W-6C

Antenna Port	NR Modulation	NR Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	64QAM	5	-	-	-	47.77	34.33	-	-	-	-
B	64QAM	5	-	-	-	47.81	34.79	-	-	-	-
C	64QAM	5	-	-	-	47.82	34.43	-	-	-	-
D	64QAM	5	-	-	-	47.95	34.53	-	-	-	-
Total conducted power			-	-	-	53.86	40.54	-	-	-	-
EIRP limit			-	-	-	-	62.15	-	-	-	-
Max antenna gain			-	-	-	-	21.61	-	-	-	-

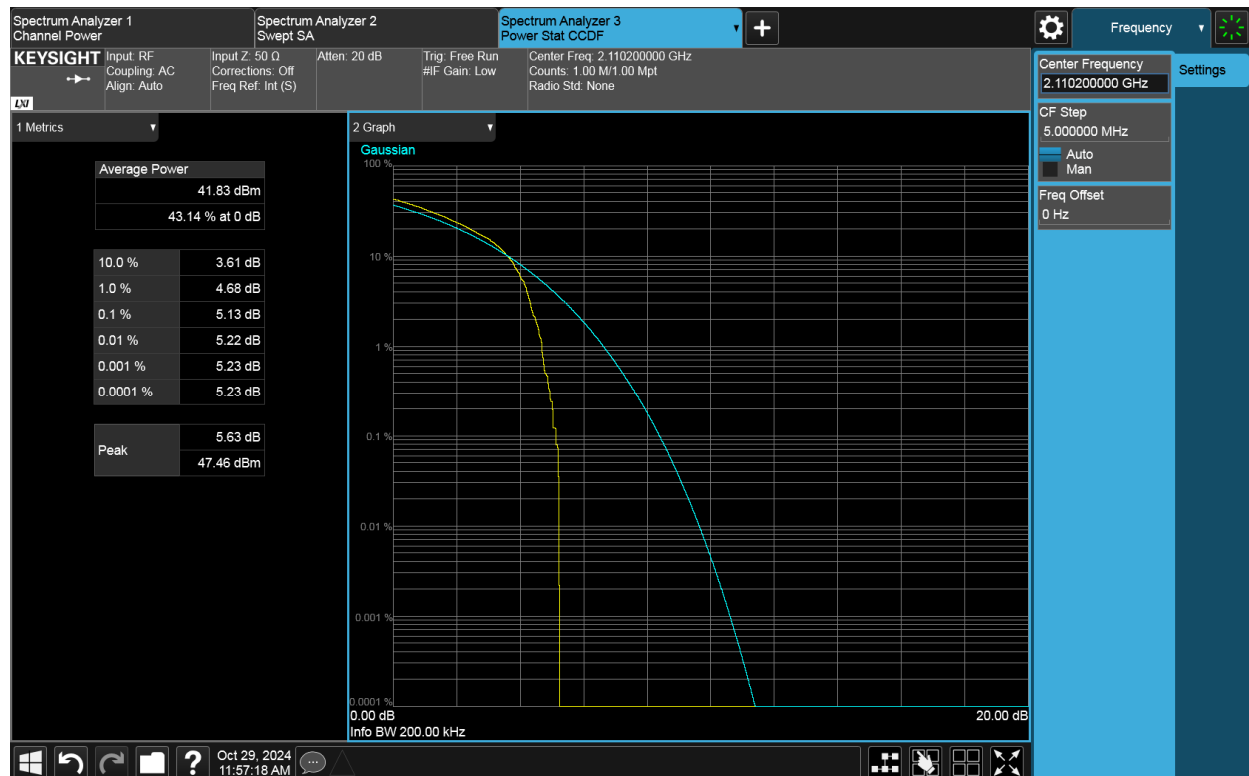
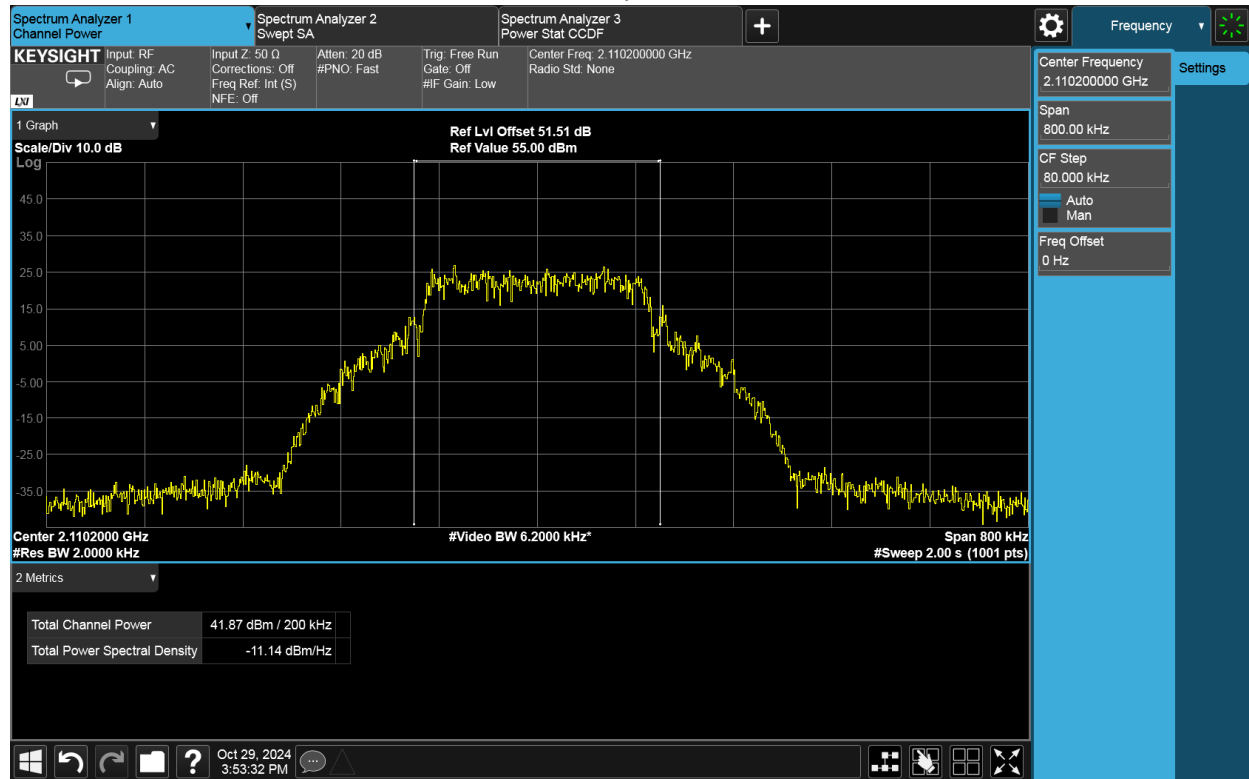
Channel position M



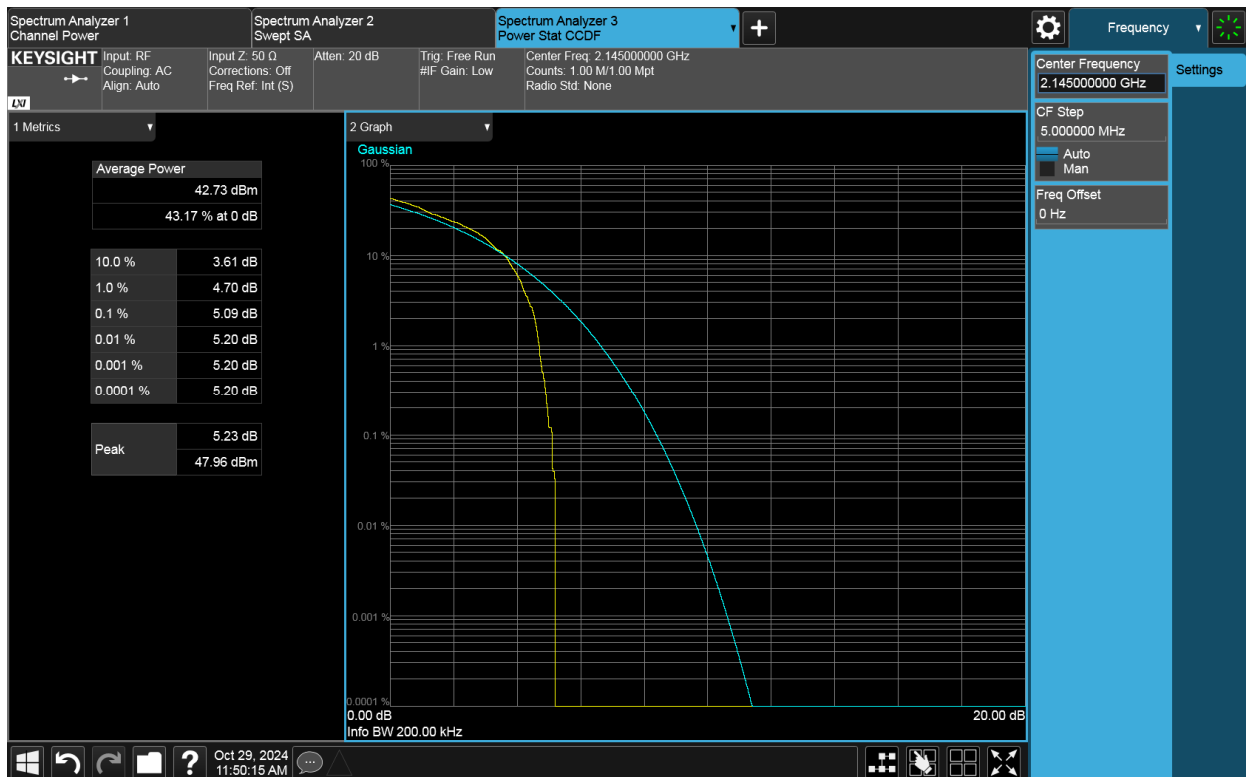
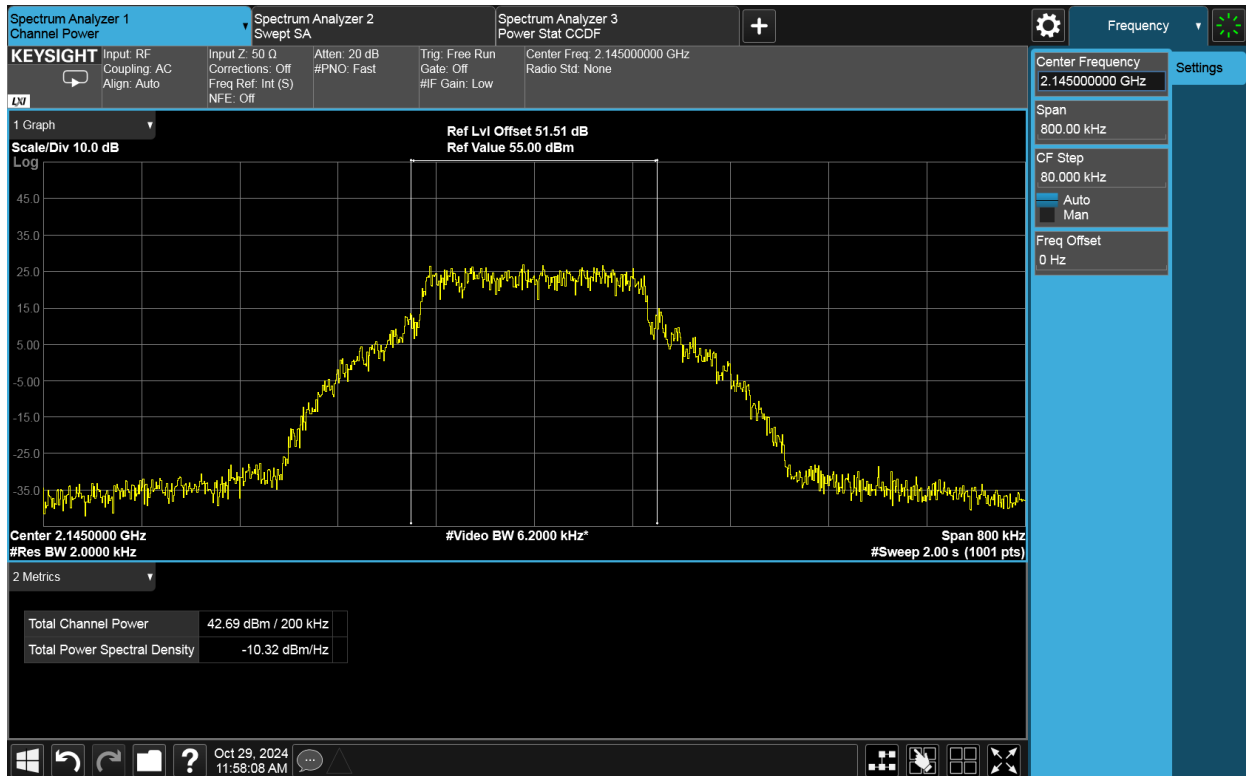
SA

Antenna Port	NR Modulation	SA Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	QPSK	0.2	41.66	42.17	5.02	42.58	43.11	5.04	42.44	42.72	5.08
B	QPSK	0.2	41.87	42.30	5.05	42.64	43.23	5.09	42.34	42.78	5.04
C	QPSK	0.2	41.84	42.25	5.13	42.69	43.19	5.03	42.32	42.85	5.11
D	QPSK	0.2	41.87	42.37	5.09	42.62	43.14	5.04	42.44	42.95	5.08
Total conducted power			47.83	48.29	-	48.65	49.19	-	48.41	48.85	-
EIRP limit			62.15	-	13.00	62.15	-	13.00	62.15	-	13.00
Max antenna gain			14.32	-	-	13.50	-	-	13.74	-	-

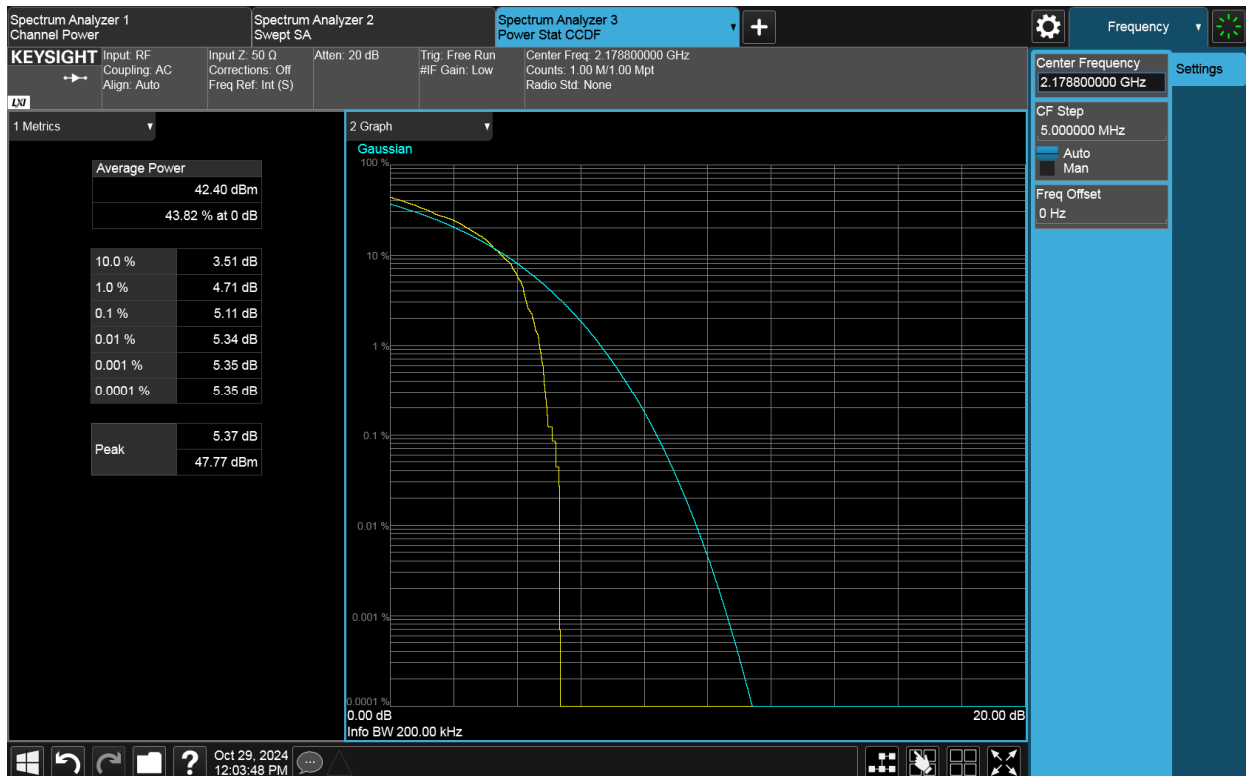
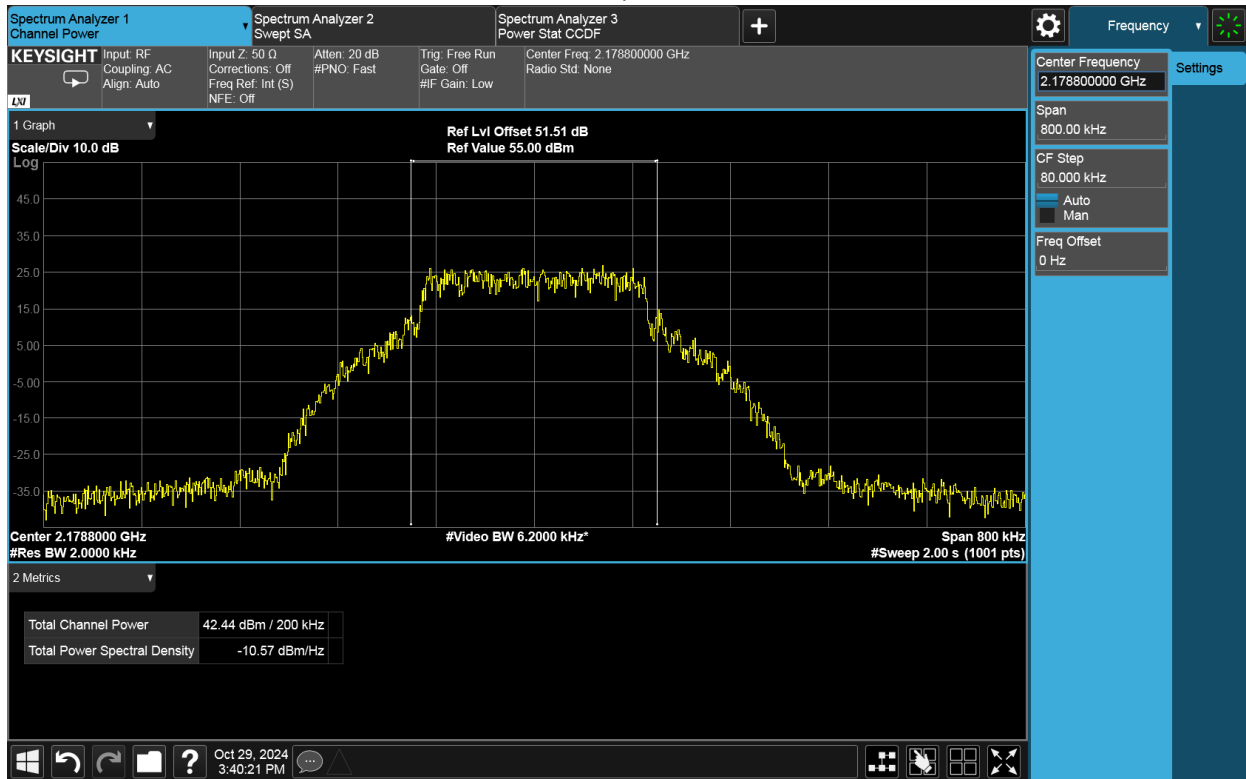
Channel position B



Channel position M



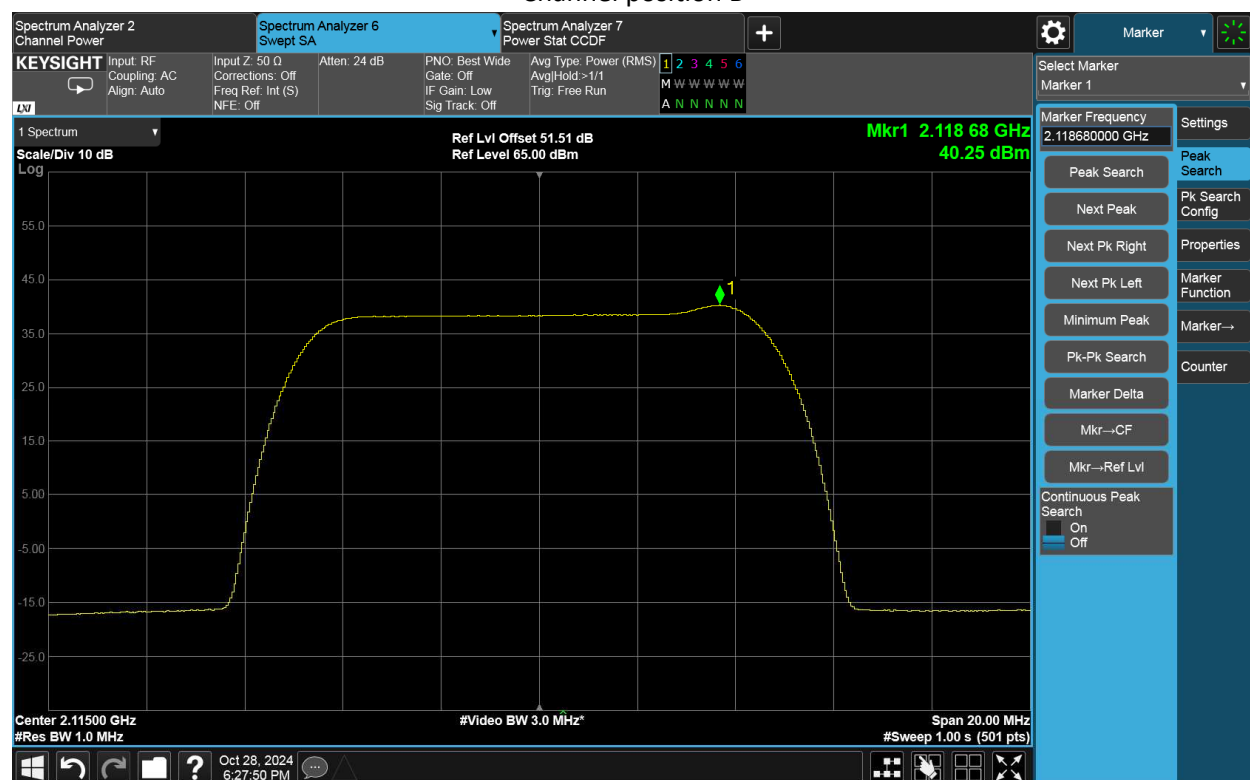
Channel position T



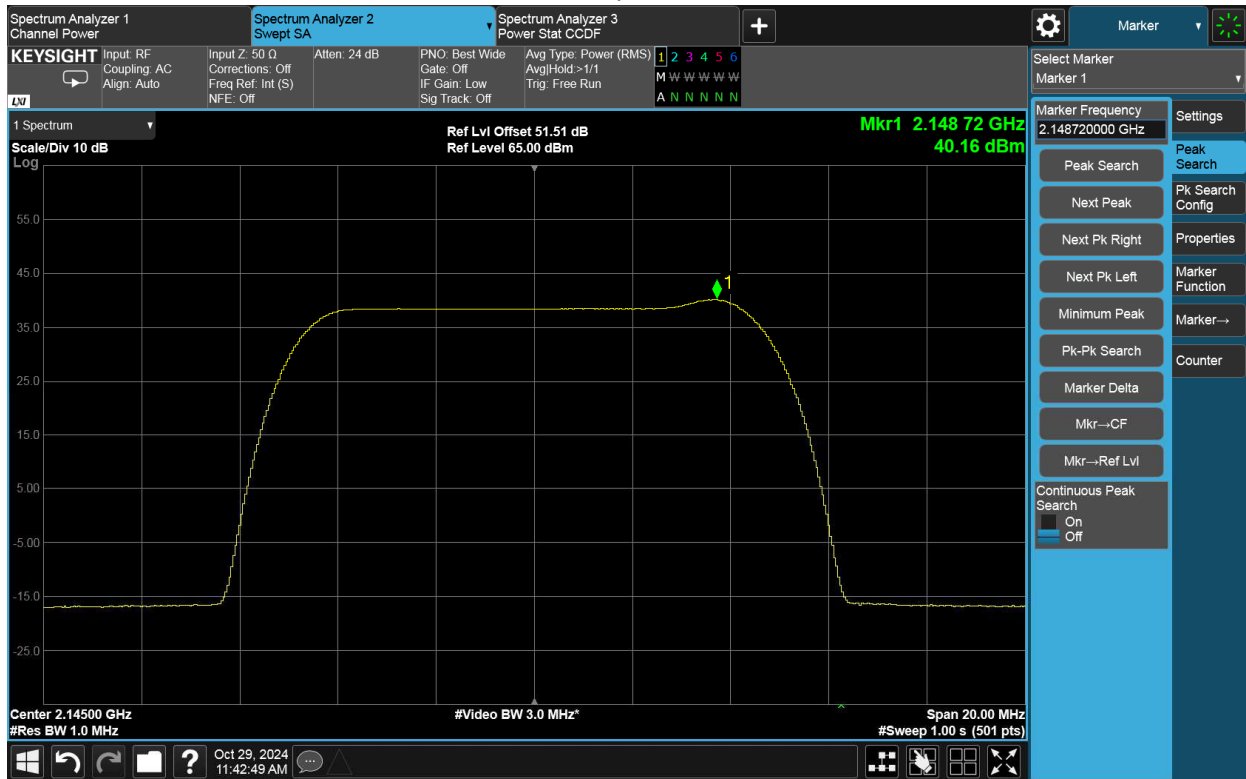
IB+L

Antenna Port	LTE Modulation	L Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	64QAM	10	47.82	40.25	-	47.88	40.14	-	47.75	39.97	-
B	64QAM	10	47.72	40.09	-	47.92	40.16	-	47.73	39.91	-
C	64QAM	10	47.78	40.18	-	47.89	40.13	-	47.75	39.93	-
D	64QAM	10	47.63	40.04	-	47.81	40.07	-	47.64	39.86	-
Total conducted power			53.76	46.16	-	53.90	46.15	-	53.74	45.94	-
EIRP limit			-	62.15	13.00	-	62.15	13.00	-	62.15	13.00
Max antenna gain			-	15.99	-	-	16.00	-	-	16.21	-

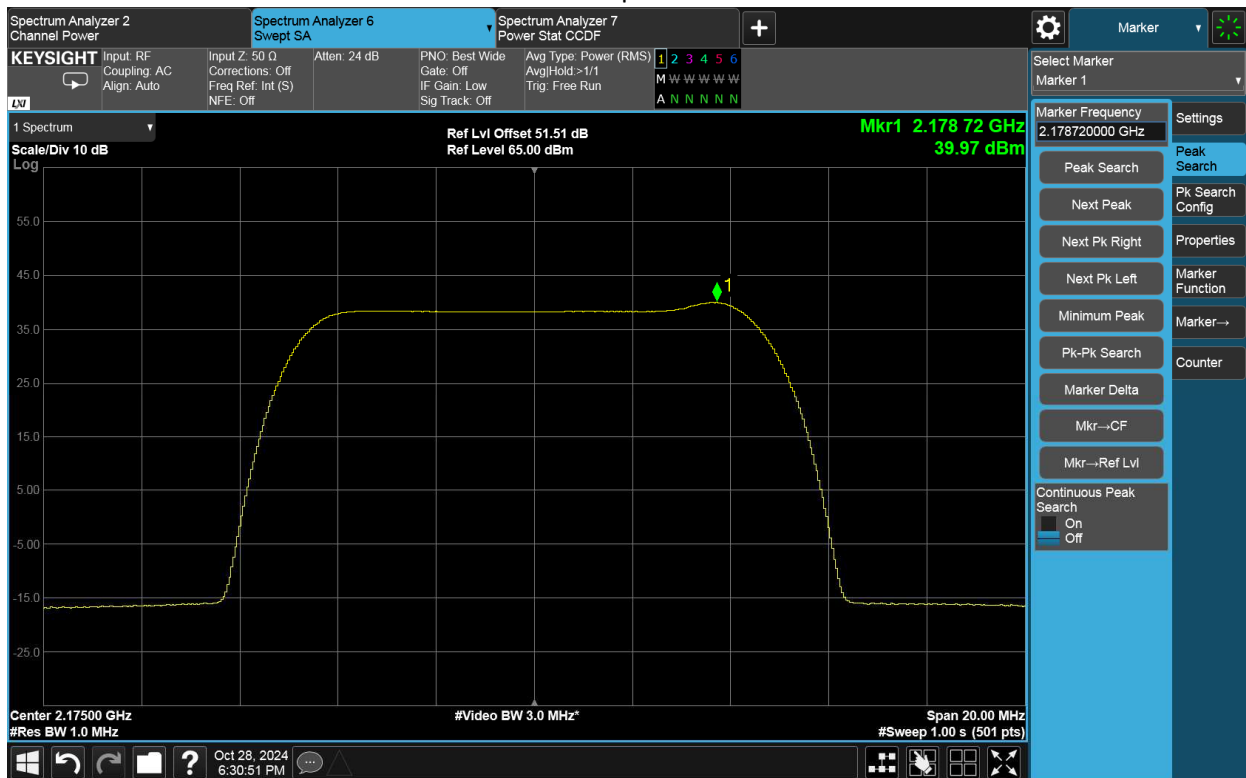
Channel position B



Channel position M



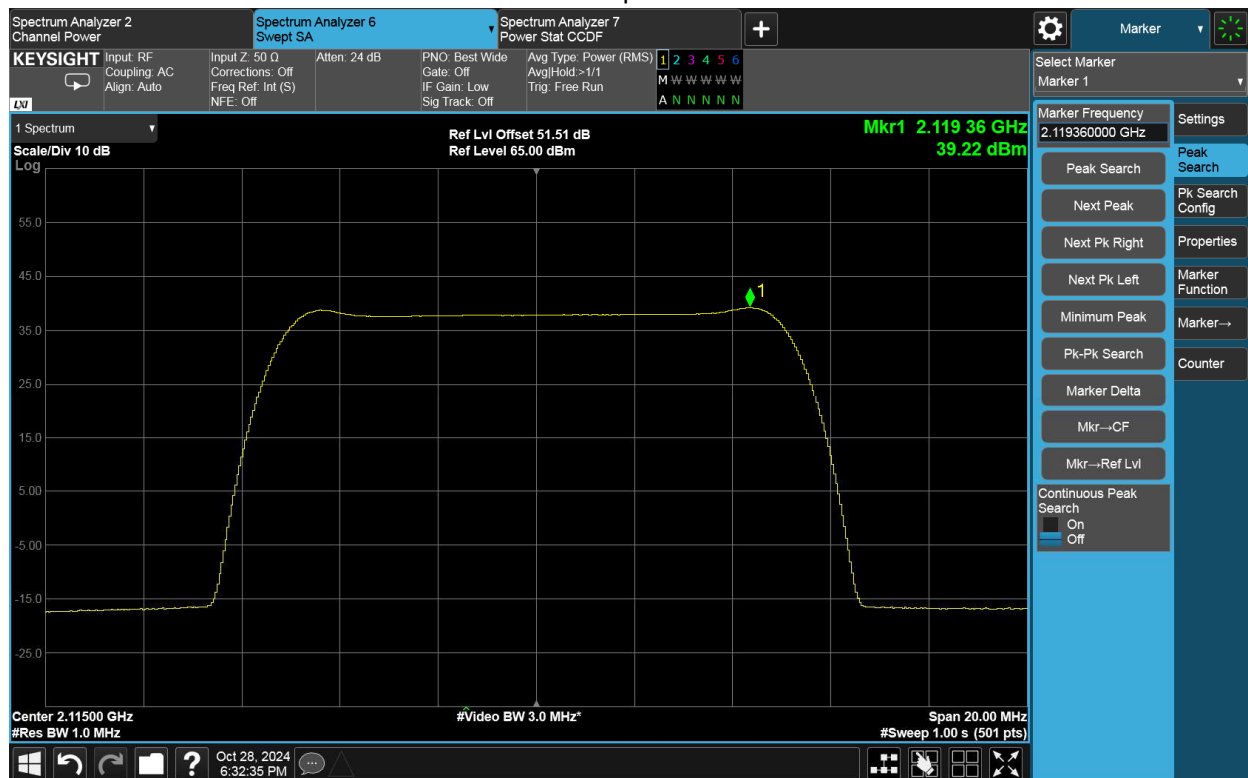
Channel position T



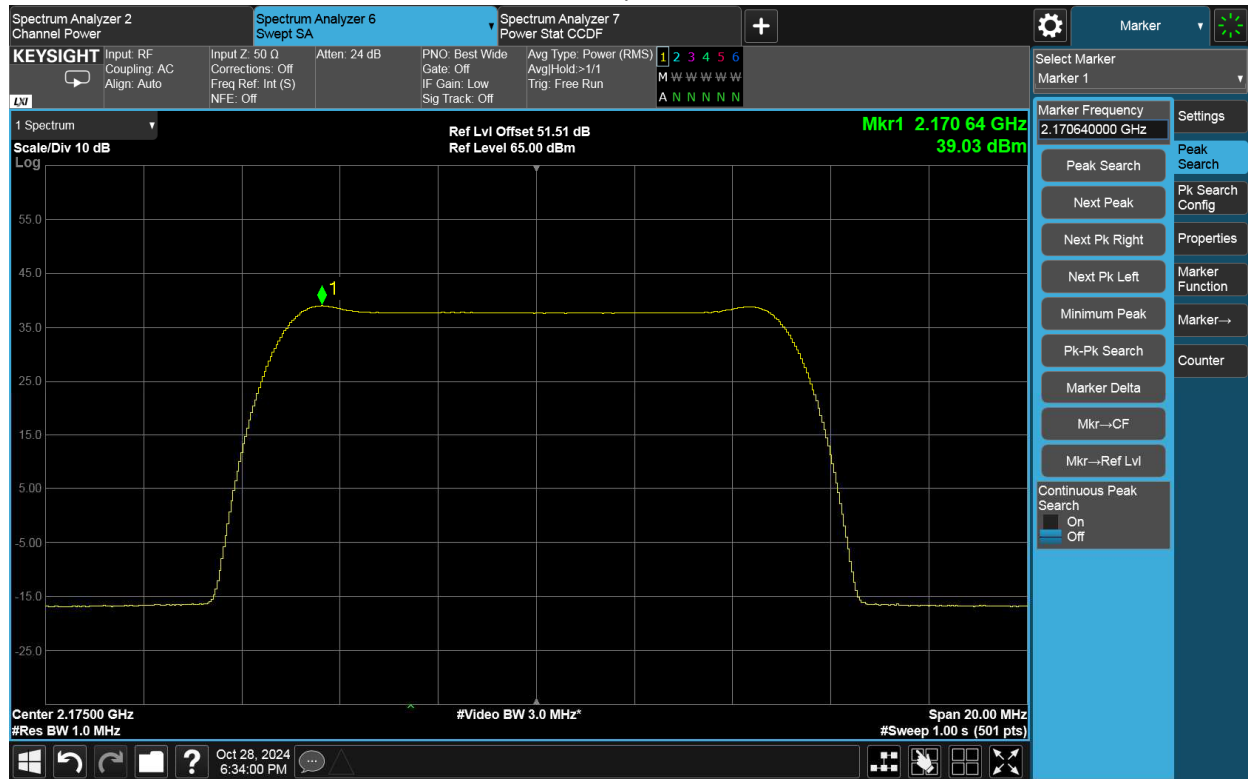
2GB+L

Antenna Port	LTE Modulation	L Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	64QAM	10	47.77	39.22	-	-	-	-	47.67	39.03	-
B	64QAM	10	47.63	39.08	-	-	-	-	47.65	39.00	-
C	64QAM	10	47.56	38.95	-	-	-	-	47.62	38.96	-
D	64QAM	10	47.54	38.97	-	-	-	-	47.60	38.95	-
Total conducted power			53.65	45.08	-	-	-	-	53.66	45.01	-
EIRP limit			-	62.15	13.00	-	-	-	-	62.15	13.00
Max antenna gain			-	17.07	-	-	-	-	-	17.14	-

Channel position B



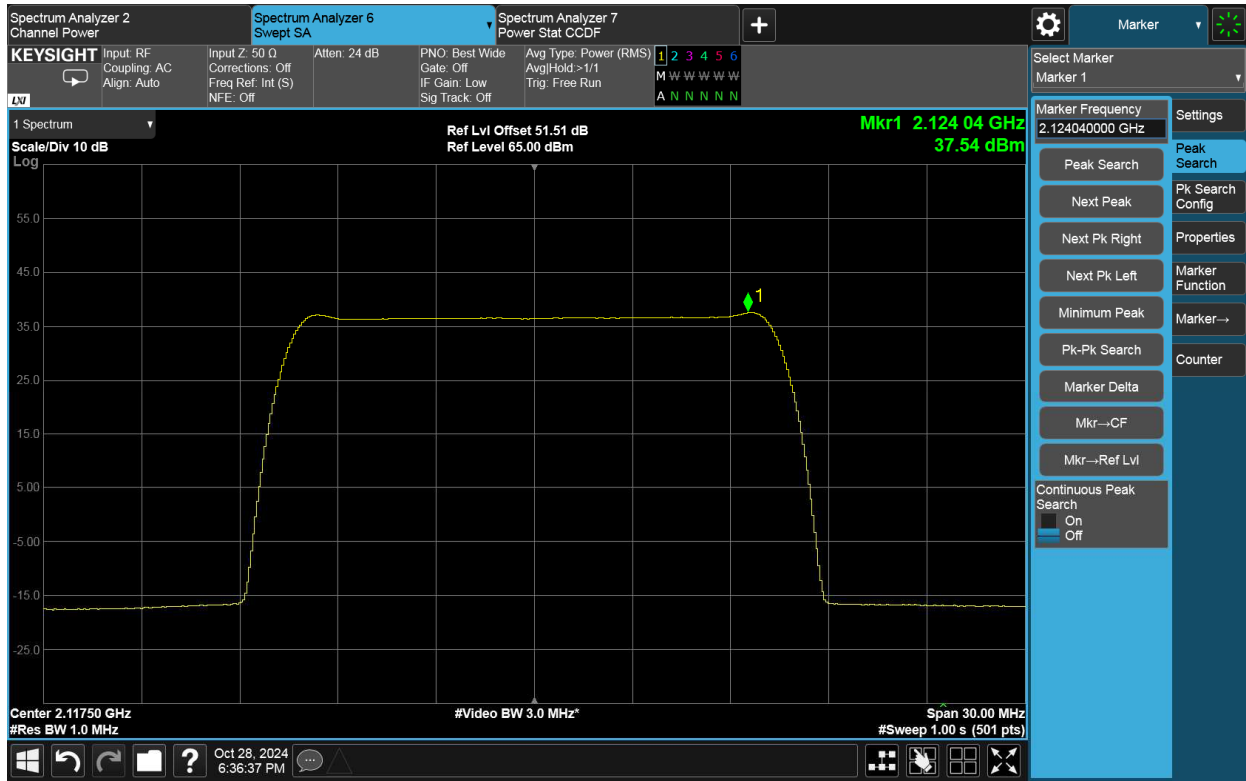
Channel position T



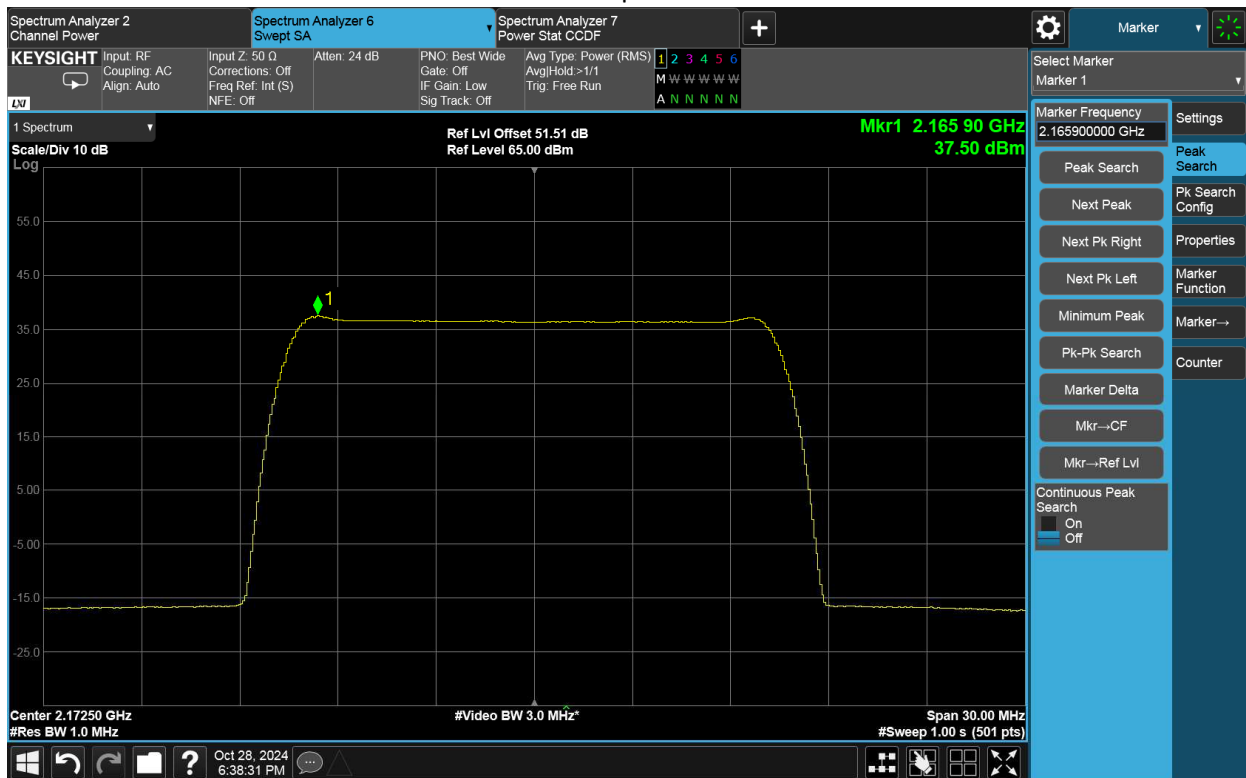
2GB+L

Antenna Port	LTE Modulation	L Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	64QAM	15	47.95	37.54	-	-	-	-	47.92	37.50	-
B	64QAM	15	47.79	37.44	-	-	-	-	47.73	37.32	-
C	64QAM	15	47.79	37.40	-	-	-	-	47.72	37.32	-
D	64QAM	15	47.70	37.31	-	-	-	-	47.85	37.48	-
Total conducted power			53.83	43.44	-	-	-	-	53.83	43.43	-
EIRP limit			-	62.15	13.00	-	-	-	-	62.15	13.00
Max antenna gain			-	18.71	-	-	-	-	-	18.72	-

Channel position B



Channel position T

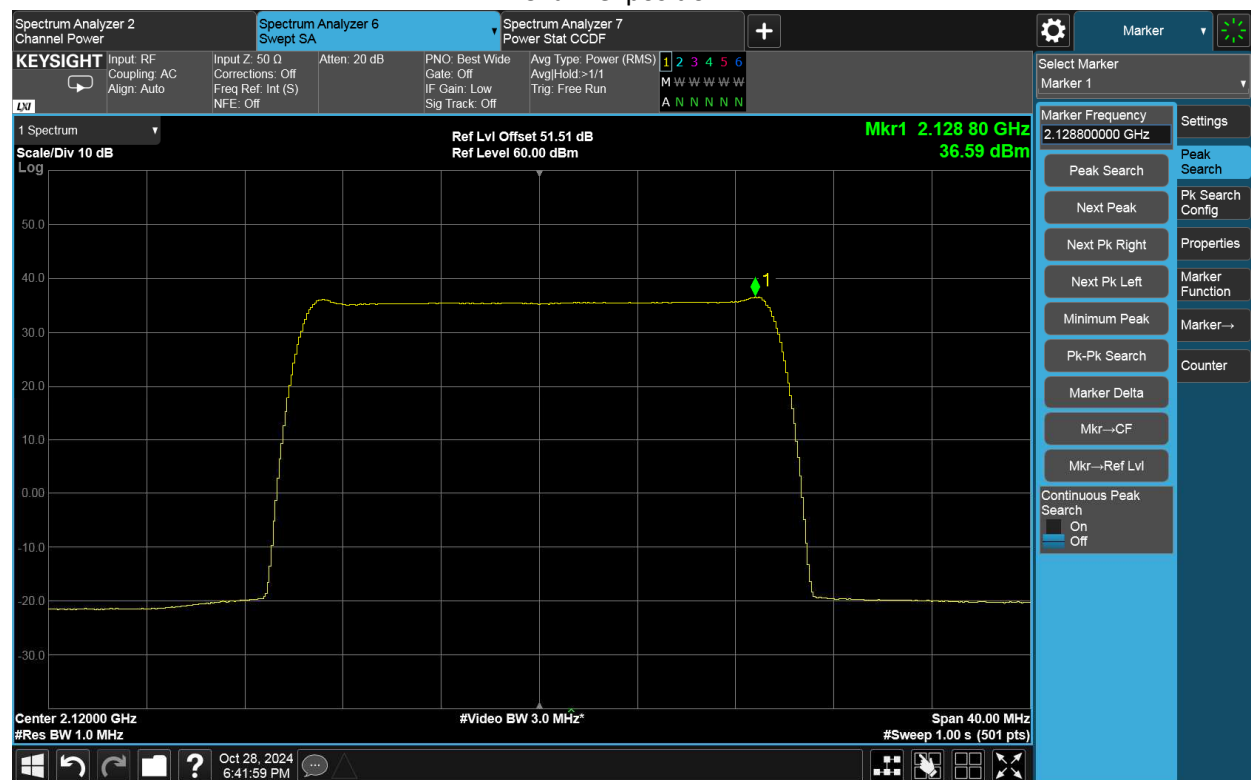


TEST REPORT

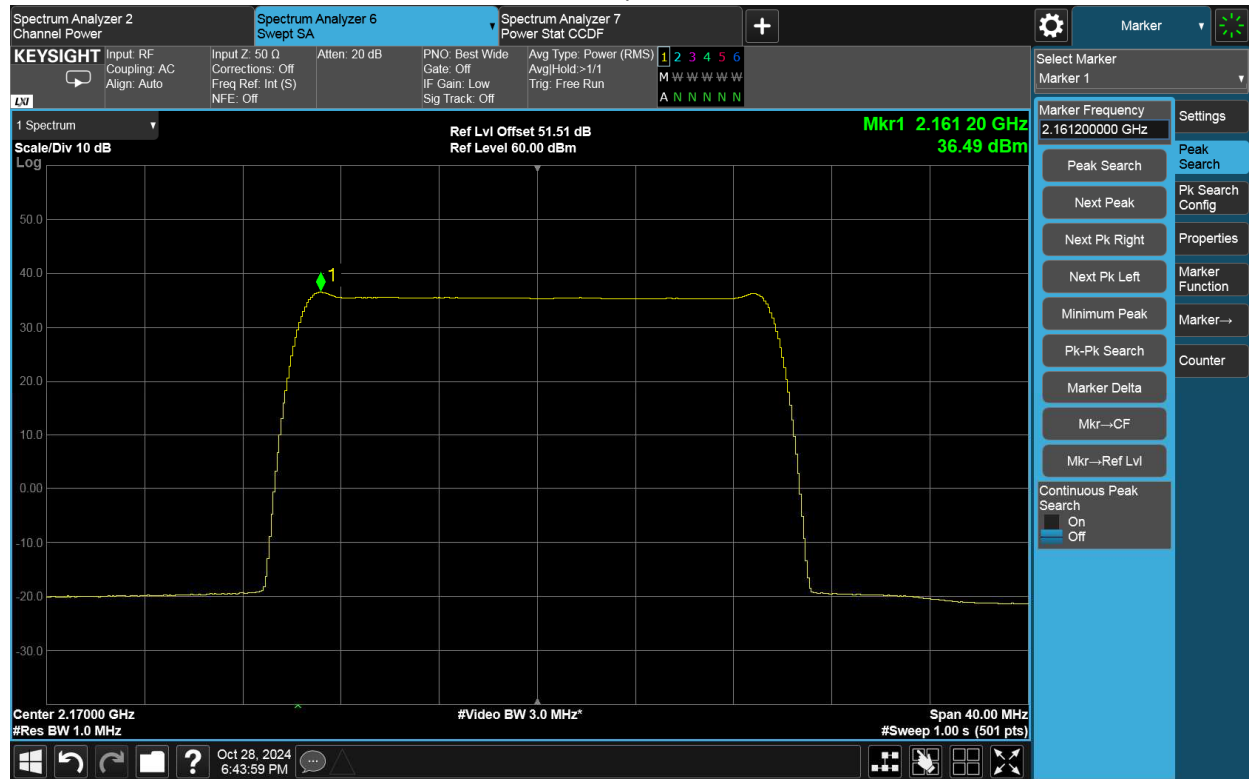
2GB+L

Antenna Port	LTE Modulation	L Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	64QAM	20	48.01	36.59	-	-	-	-	47.97	36.49	-
B	64QAM	20	47.77	36.42	-	-	-	-	47.66	36.14	-
C	64QAM	20	47.87	36.48	-	-	-	-	47.80	36.35	-
D	64QAM	20	47.79	36.49	-	-	-	-	47.89	36.37	-
Total conducted power			53.88	42.52	-	-	-	-	53.85	42.36	-
EIRP limit			-	62.15	13.00	-	-	-	-	62.15	13.00
Max antenna gain			-	19.63	-	-	-	-	-	19.79	-

Channel position B



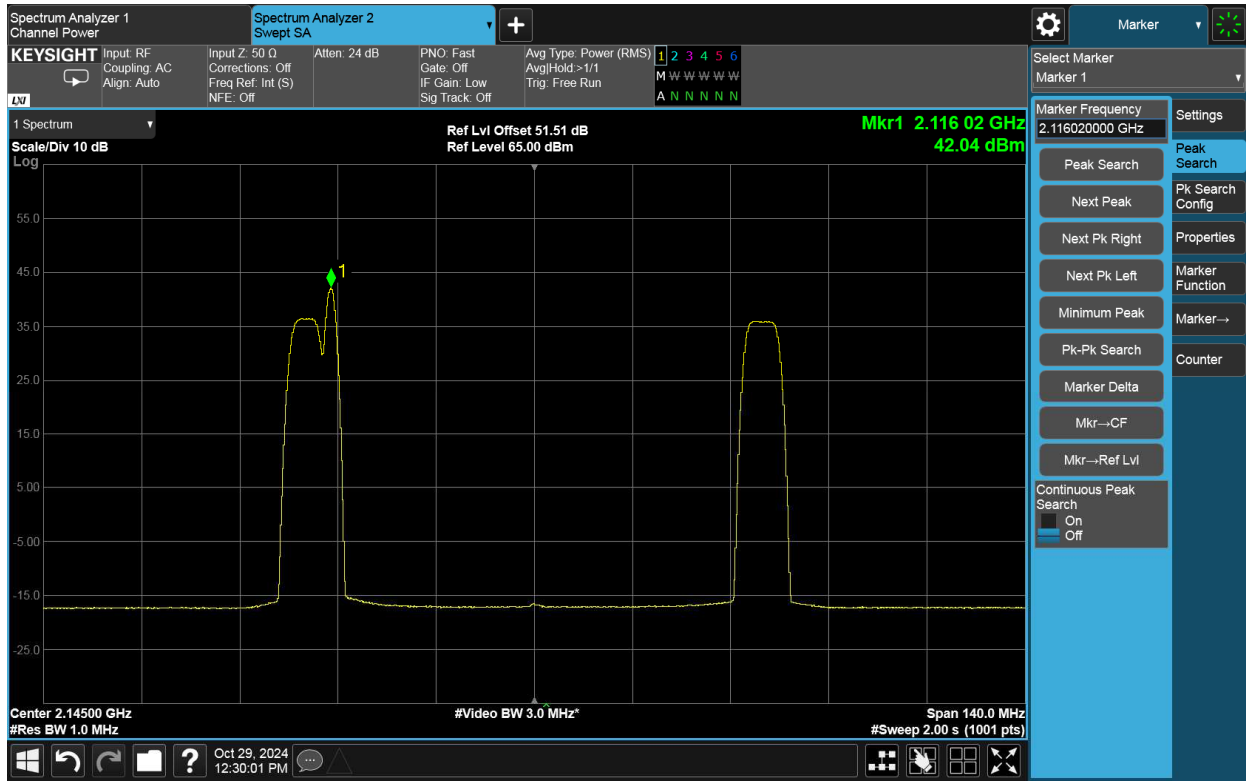
Channel position T



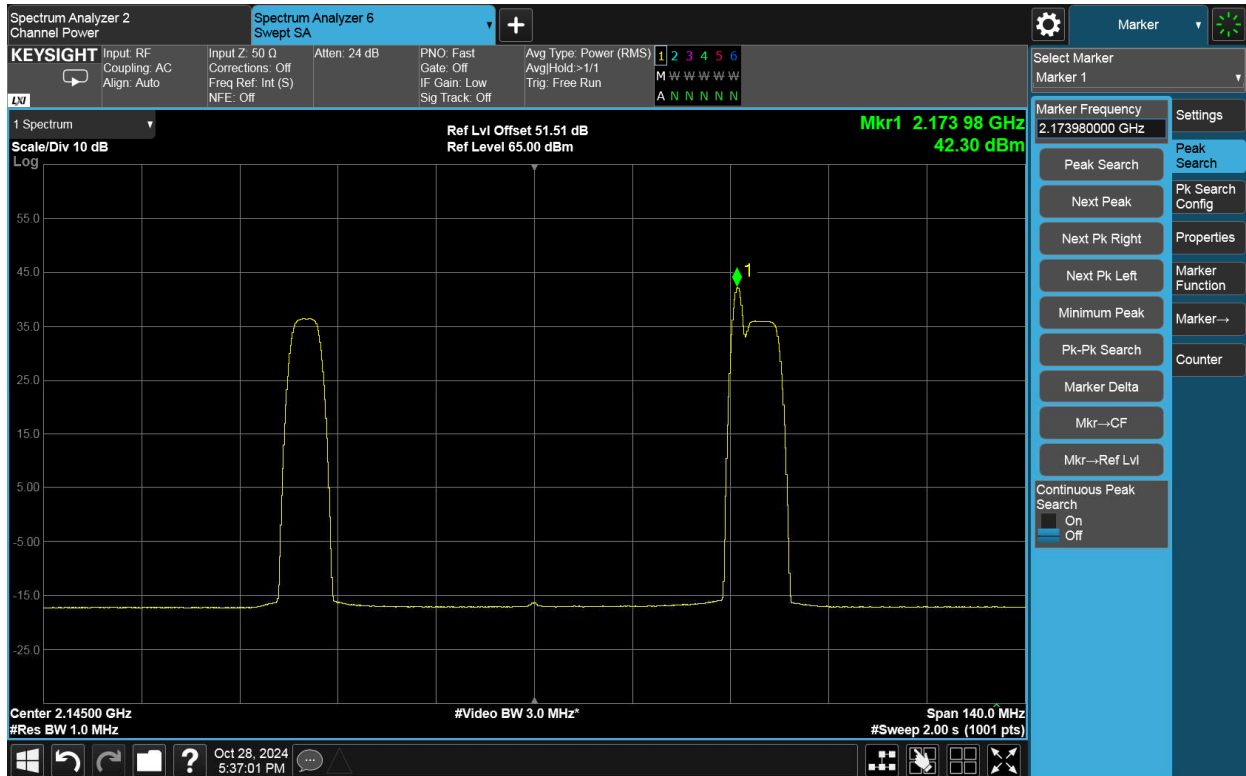
W+SA+L

Antenna Port	W/LTE Modulation	L Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	64QAM	5	46.76	41.85	-	-	-	-	46.82	42.13	-
B	64QAM	5	46.61	41.57	-	-	-	-	46.65	42.30	-
C	64QAM	5	46.70	42.04	-	-	-	-	46.73	41.94	-
D	64QAM	5	46.61	41.99	-	-	-	-	46.66	42.07	-
Total conducted power			52.69	47.89	-	-	-	-	52.74	48.13	-
EIRP limit			-	62.15	13.00	-	-	-	-	62.15	13.00
Max antenna gain			-	14.26	-	-	-	-	-	14.02	-

Channel position B



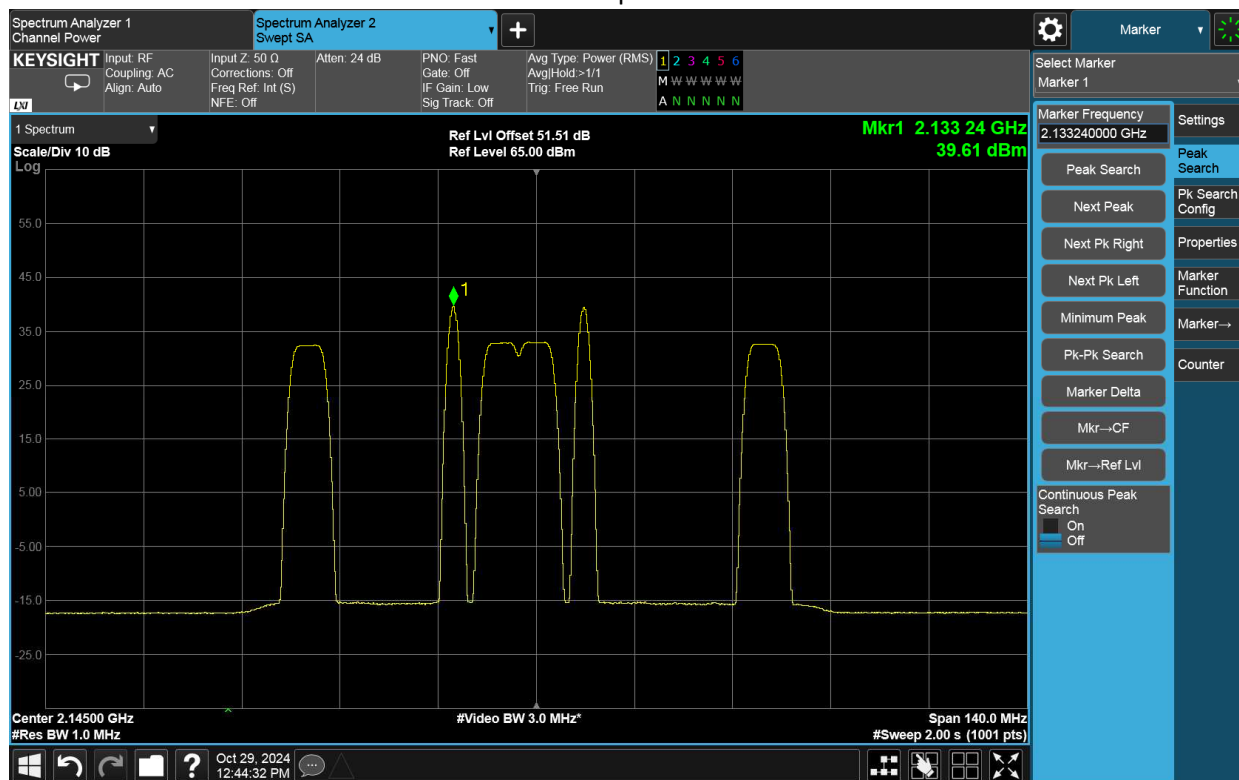
Channel position T



2NR+2L+2SA

Antenna Port	NR/LTE Modulation	NR/L Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	QPSK/64QAM	5	-	-	-	46.78	39.37	-	-	-	-
B	QPSK/64QAM	5	-	-	-	46.71	39.28	-	-	-	-
C	QPSK/64QAM	5	-	-	-	46.86	39.44	-	-	-	-
D	QPSK/64QAM	5	-	-	-	46.84	39.61	-	-	-	-
Total conducted power			-	-	-	52.82	45.45	-	-	-	-
EIRP limit			-	-	-	-	62.15	-	-	-	-
Max antenna gain			-	-	-	-	16.70	-	-	-	-

Channel position M

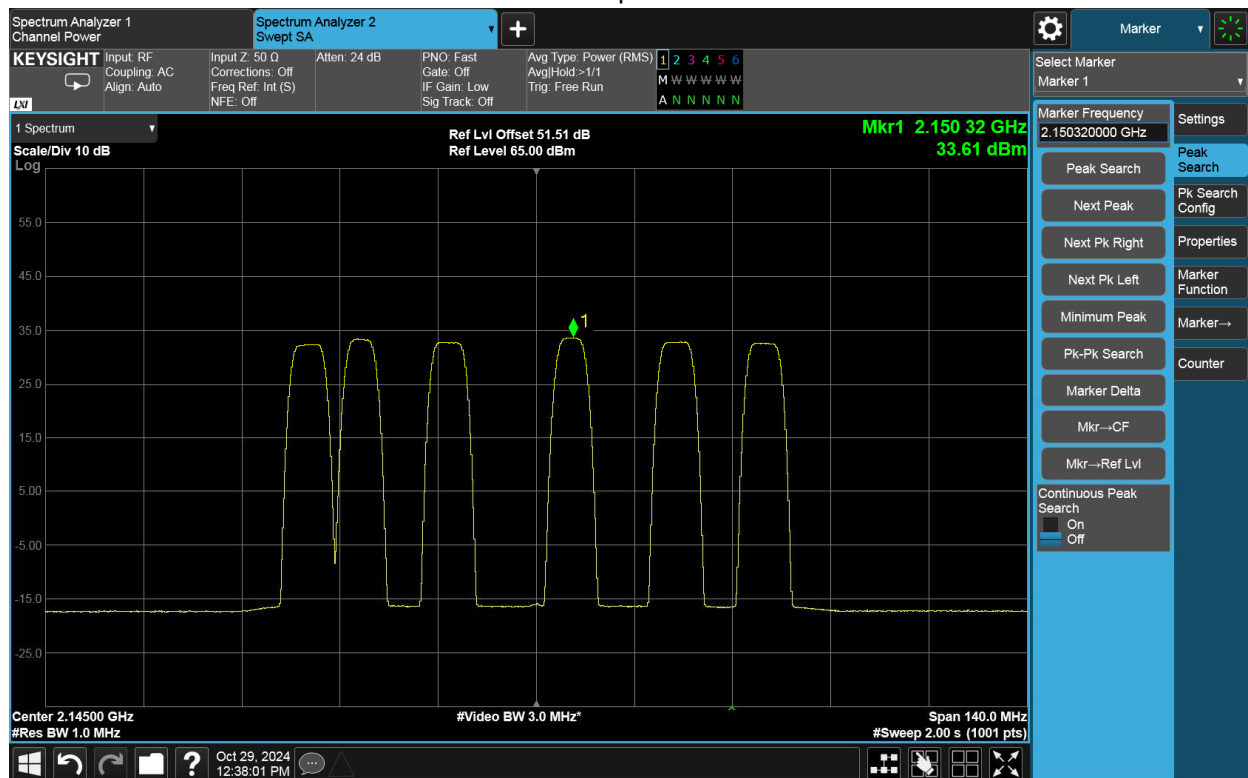


TEST REPORT

2NR+2W+2L

Antenna Port	NR/LTE Modulation	NR/L Carrier Bandwidth (MHz)	Output power / Peak-to-Average Ratio (PAR)								
			Channel position B			Channel position M			Channel position T		
			Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)	Power (dBm)	Power (dBm /MHz)	PAR (dB)
A	QPSK/64QAM	5	-	-	-	46.55	33.55	-	-	-	-
B	QPSK/64QAM	5	-	-	-	46.42	33.33	-	-	-	-
C	QPSK/64QAM	5	-	-	-	46.68	33.61	-	-	-	-
D	QPSK/64QAM	5	-	-	-	46.62	33.55	-	-	-	-
Total conducted power			-	-	-	52.59	39.53	-	-	-	-
EIRP limit			-	-	-	-	62.15	-	-	-	-
Max antenna gain			-	-	-	-	22.62	-	-	-	-

Channel position M



TEST REPORT**4 Occupied Bandwidth****Test result: Pass****4.1 Measurement Procedure**

The EUT was set to transmit at maximum power and testing was carried out on bottom, middle and top channels. Using the Occupied Bandwidth measurement function in the spectrum analyzer, the 26dB bandwidth was measured in accordance with FCC KDB 971168 D01 Clause 4.2.

The measurement method is from KDB 971168 4.2:

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the OBW).
- b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- c) Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least $10\log(\text{OBW} / \text{RBW})$ below the reference level.
- d) Set the detection mode to peak, and the trace mode to max hold.
- e) Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

4.2 Measurement result

LTE-1C

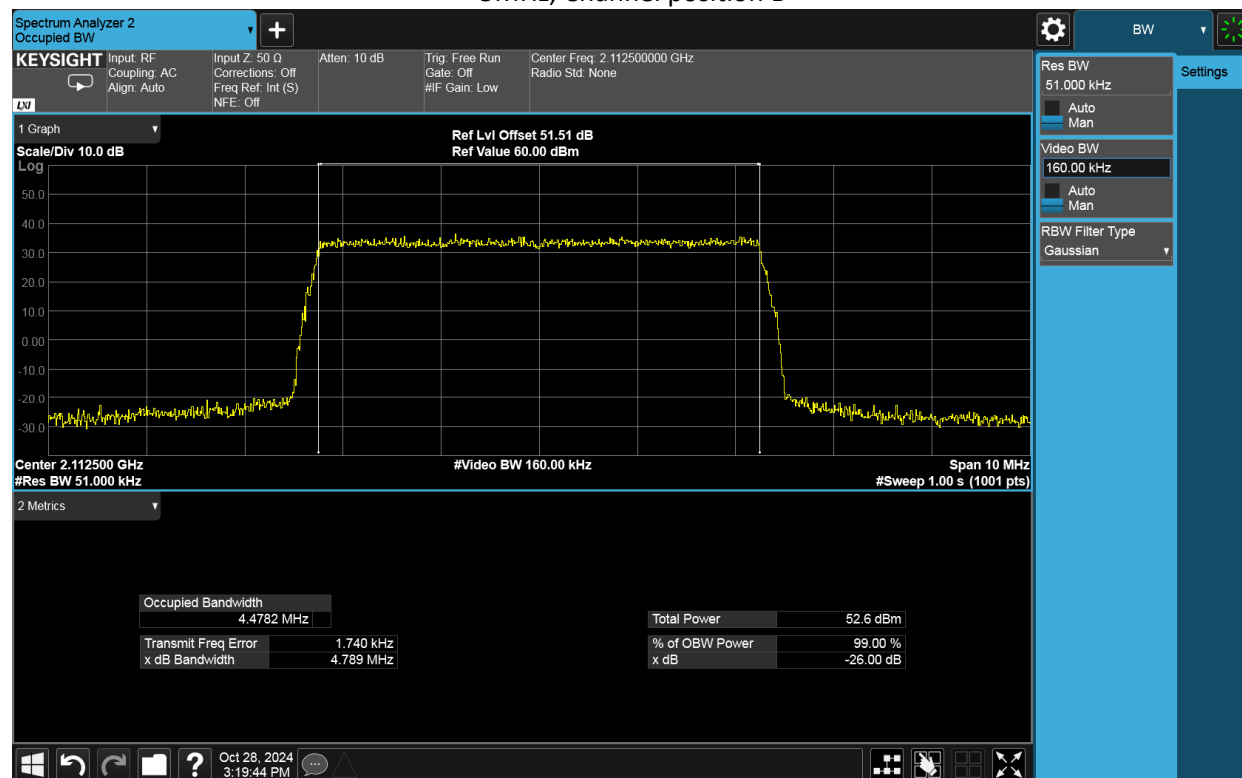
99% Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
C	64QAM	5MHz	4.478	4.472	4.470
C	64QAM	10MHz	8.938	8.942	8.939
C	64QAM	15MHz	13.387	13.391	13.392
C	64QAM	20MHz	17.844	17.831	17.842

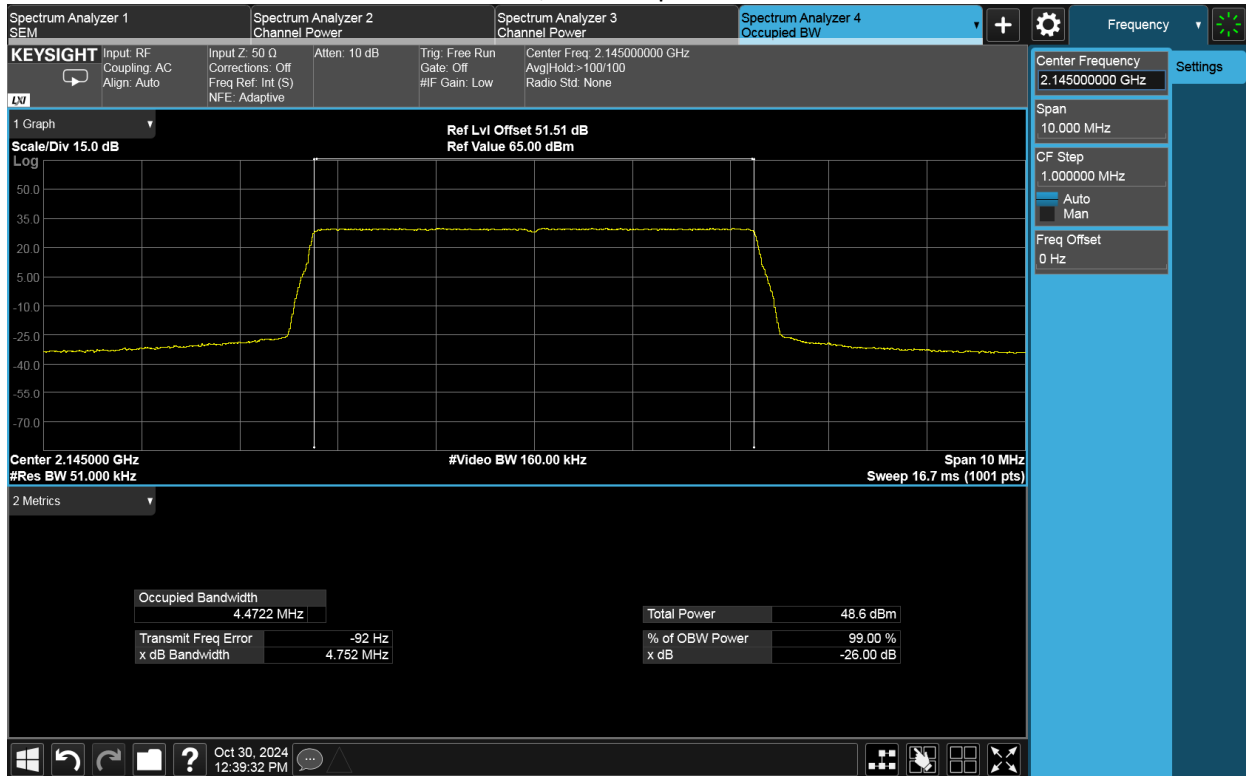
-26dBc Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
C	64QAM	5MHz	4.79	4.75	4.74
C	64QAM	10MHz	9.40	9.38	9.44
C	64QAM	15MHz	13.98	13.99	13.94
C	64QAM	20MHz	18.58	18.65	18.56

5MHz, Channel position B



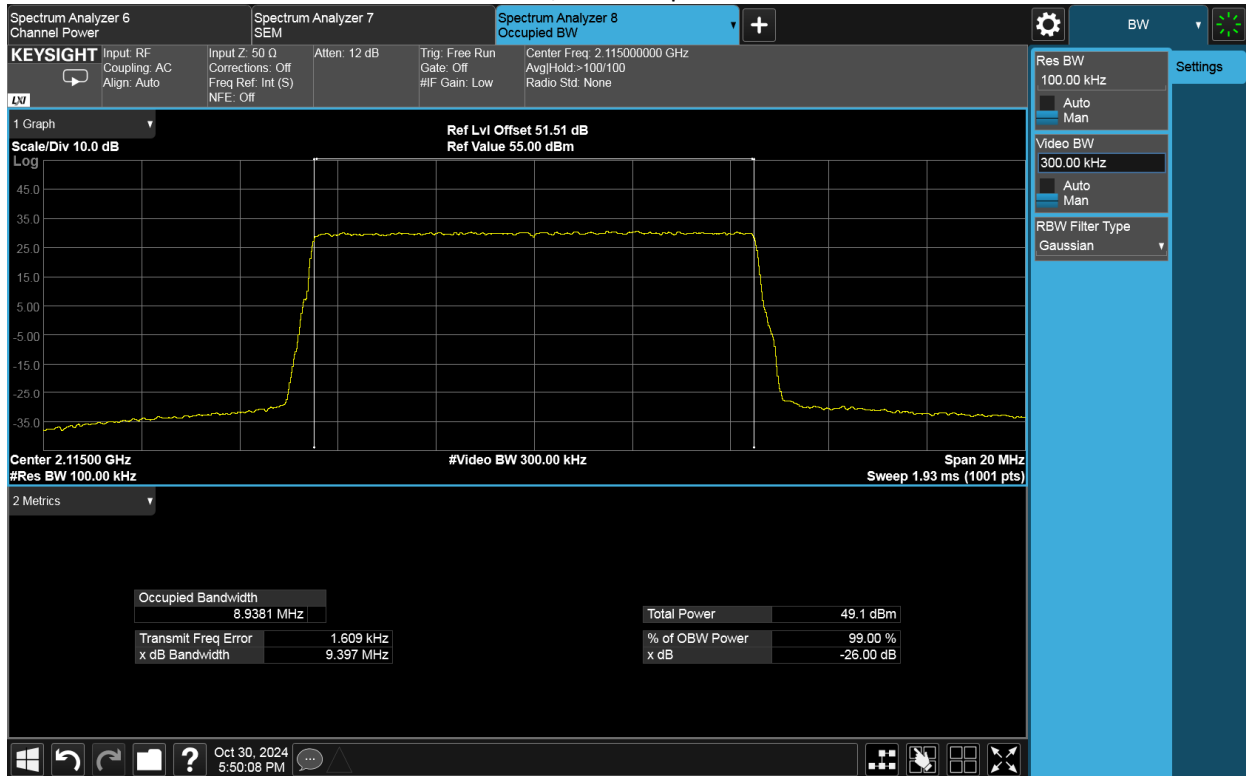
5MHz, Channel position M



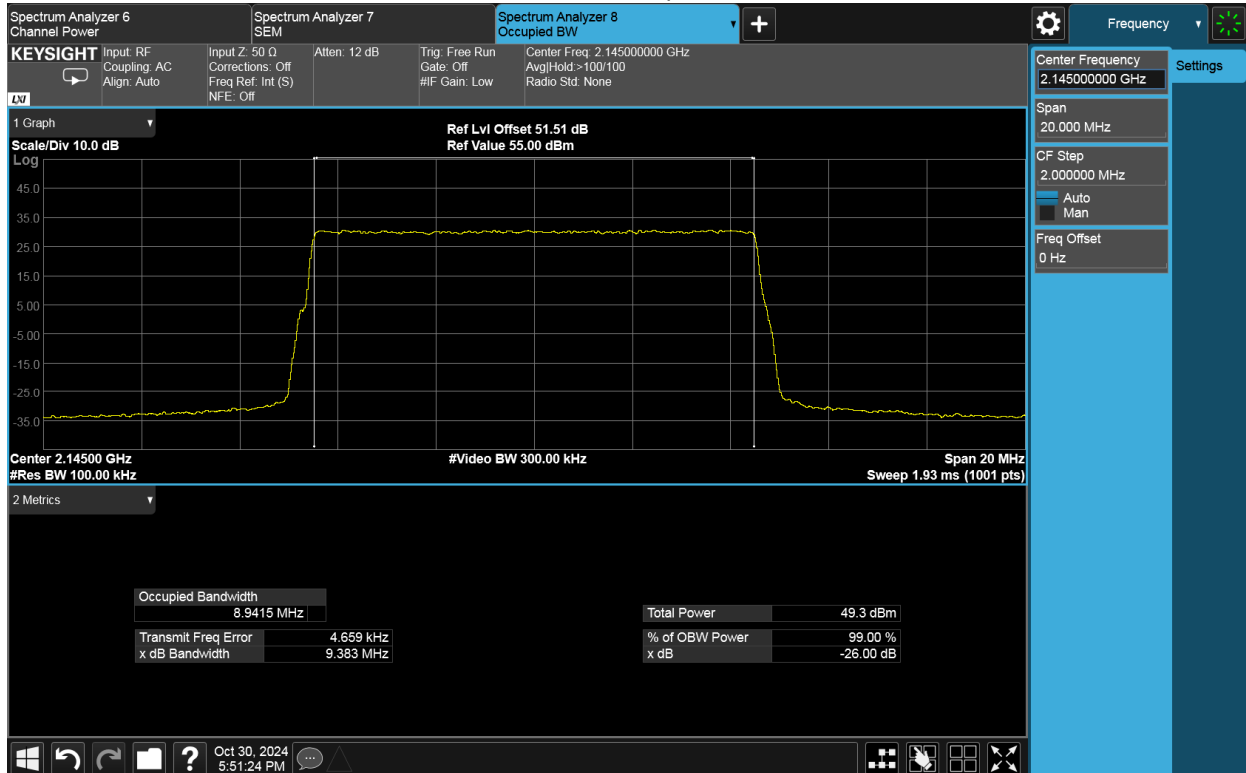
5MHz, Channel position T



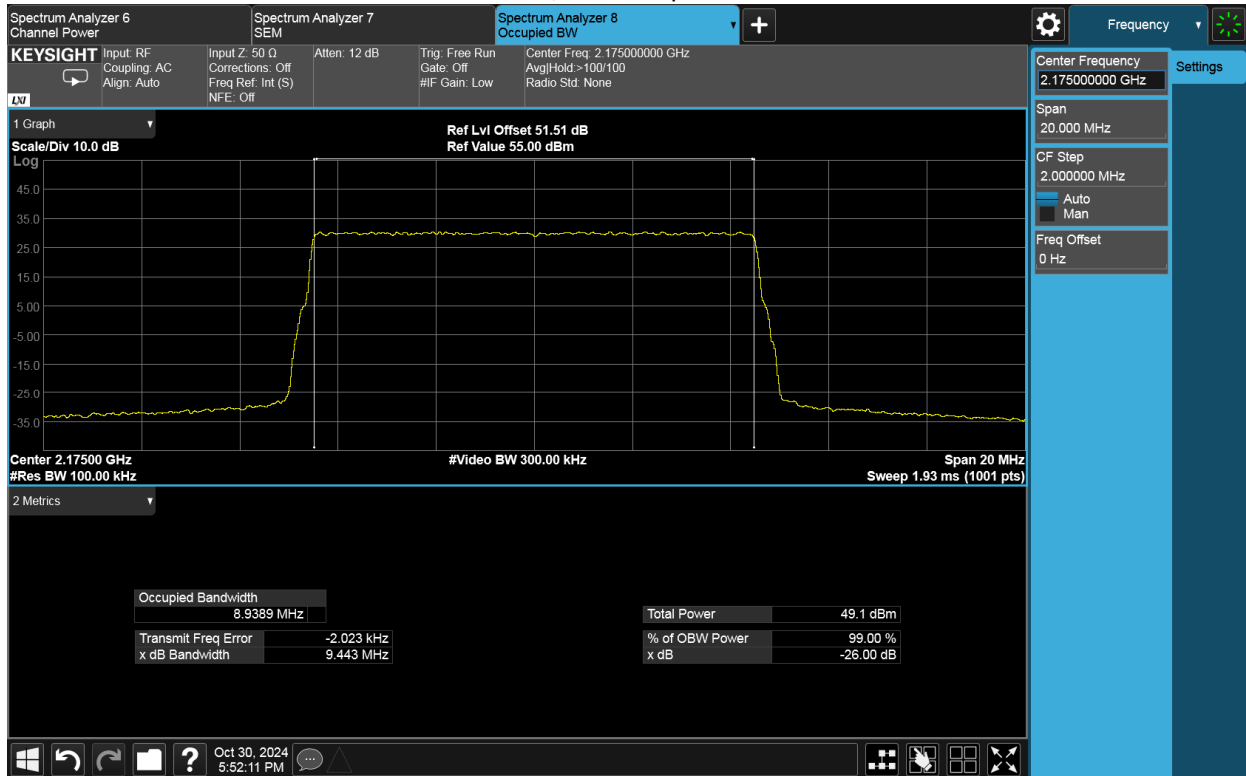
10MHz, Channel position B



10MHz, Channel position M



10MHz, Channel position T



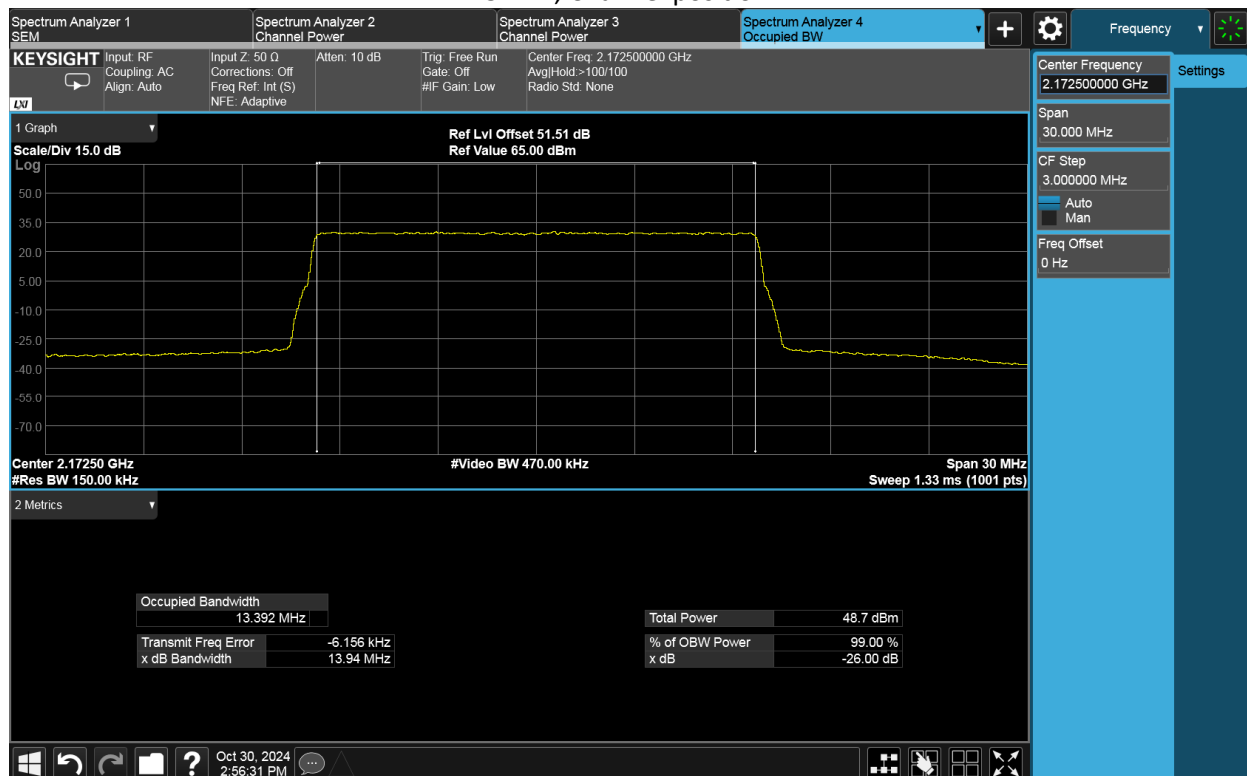
15MHz, Channel position B



15MHz, Channel position M



15MHz, Channel position T



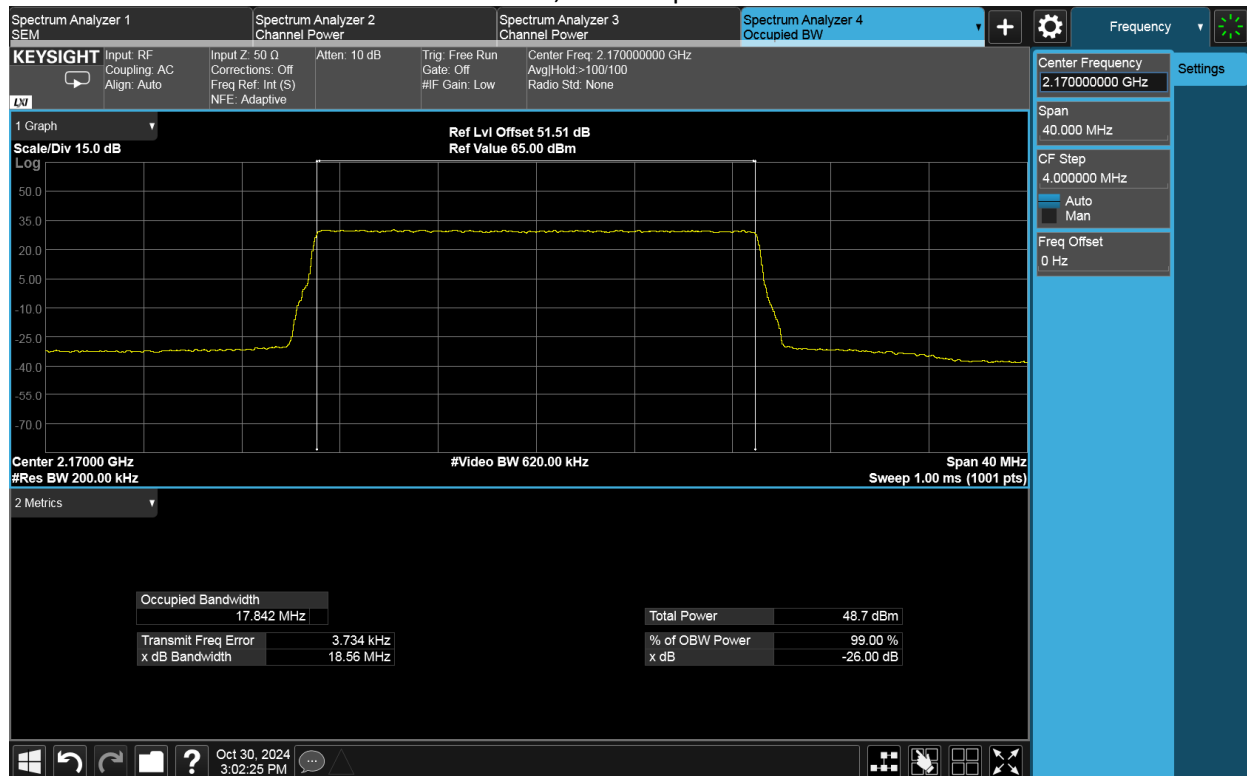
20MHz, Channel position B



20MHz, Channel position M



20MHz, Channel position T



LTE-CA

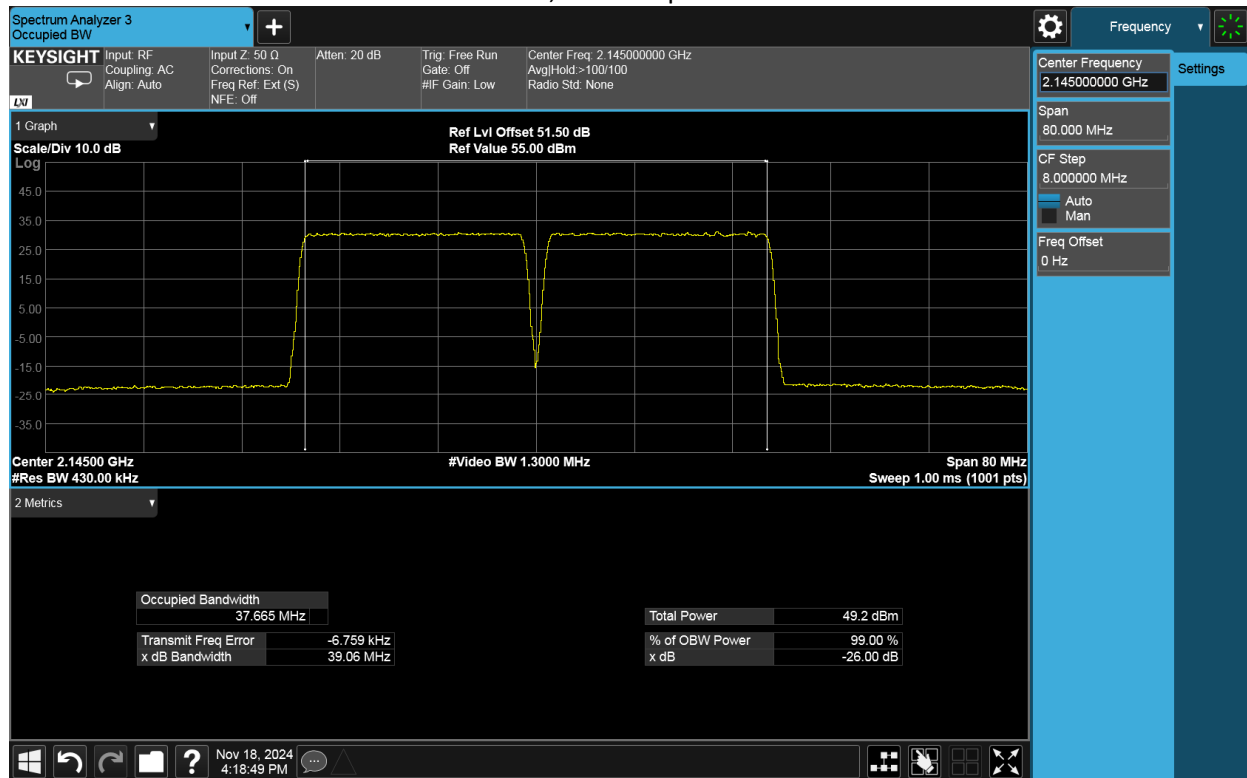
99% Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
C	64QAM	40MHz	-	37.665	-

-26dBc Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
C	64QAM	40MHz	-	39.06	-

40MHz, Channel position M



NR-1C

99% Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
C	QPSK	5MHz	4.457	4.589	4.458
C	QPSK	10MHz	9.274	9.278	9.276
C	QPSK	15MHz	14.095	14.072	14.093
C	QPSK	20MHz	18.899	18.901	18.909
C	QPSK	25MHz	23.704	23.709	23.714
C	QPSK	30MHz	28.517	28.511	28.506
C	QPSK	35MHz	33.515	33.512	33.503
C	QPSK	40MHz	38.479	38.512	38.508

-26dBc Occupied Bandwidth

Antenna Port	Modulation	Bandwidth	Occupied Bandwidth (MHz)		
			Channel Position B	Channel Position M	Channel Position T
C	QPSK	5MHz	4.75	4.77	4.77
C	QPSK	10MHz	9.67	9.66	9.66
C	QPSK	15MHz	14.63	14.63	14.61
C	QPSK	20MHz	19.59	19.62	19.60
C	QPSK	25MHz	24.59	24.61	24.61
C	QPSK	30MHz	29.53	29.53	29.53
C	QPSK	35MHz	34.71	34.70	34.70
C	QPSK	40MHz	39.91	39.93	39.93

5MHz, Channel position B

