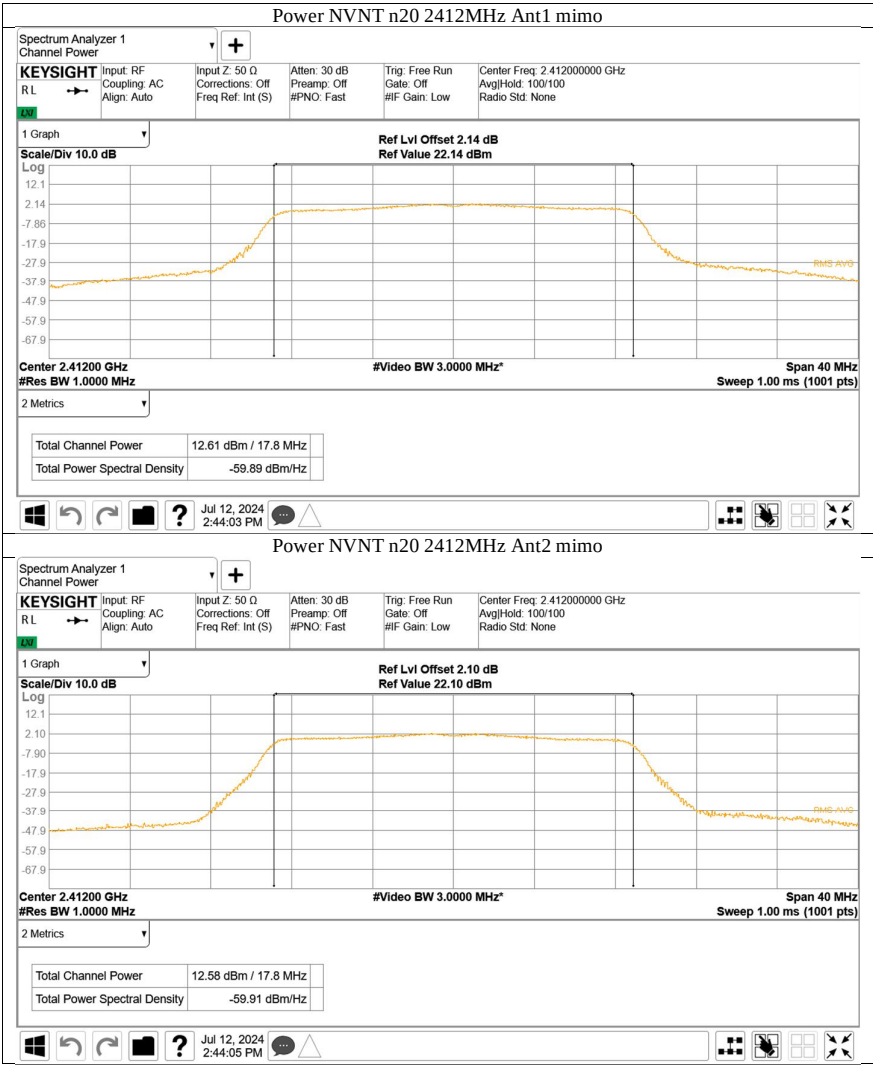
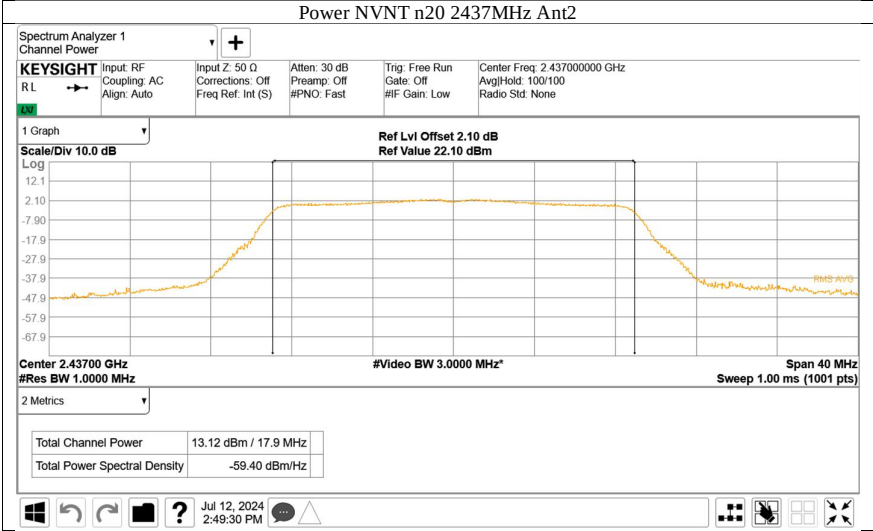
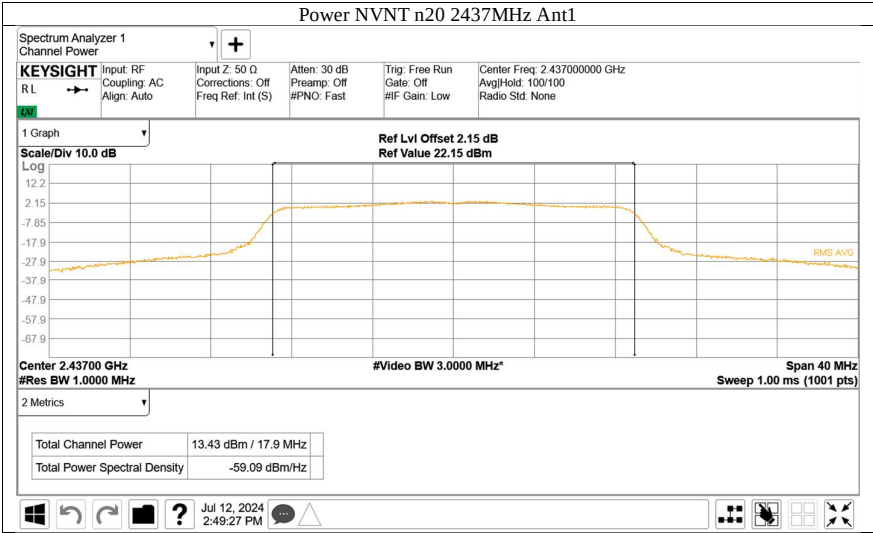
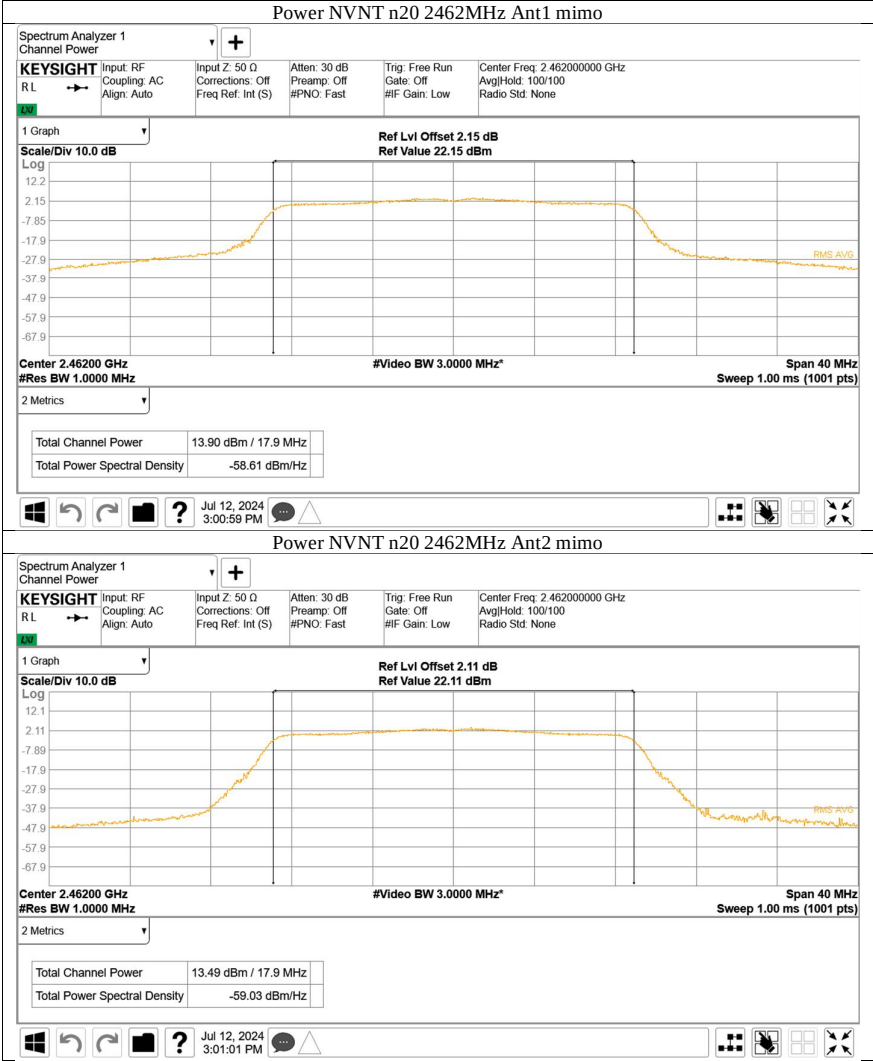
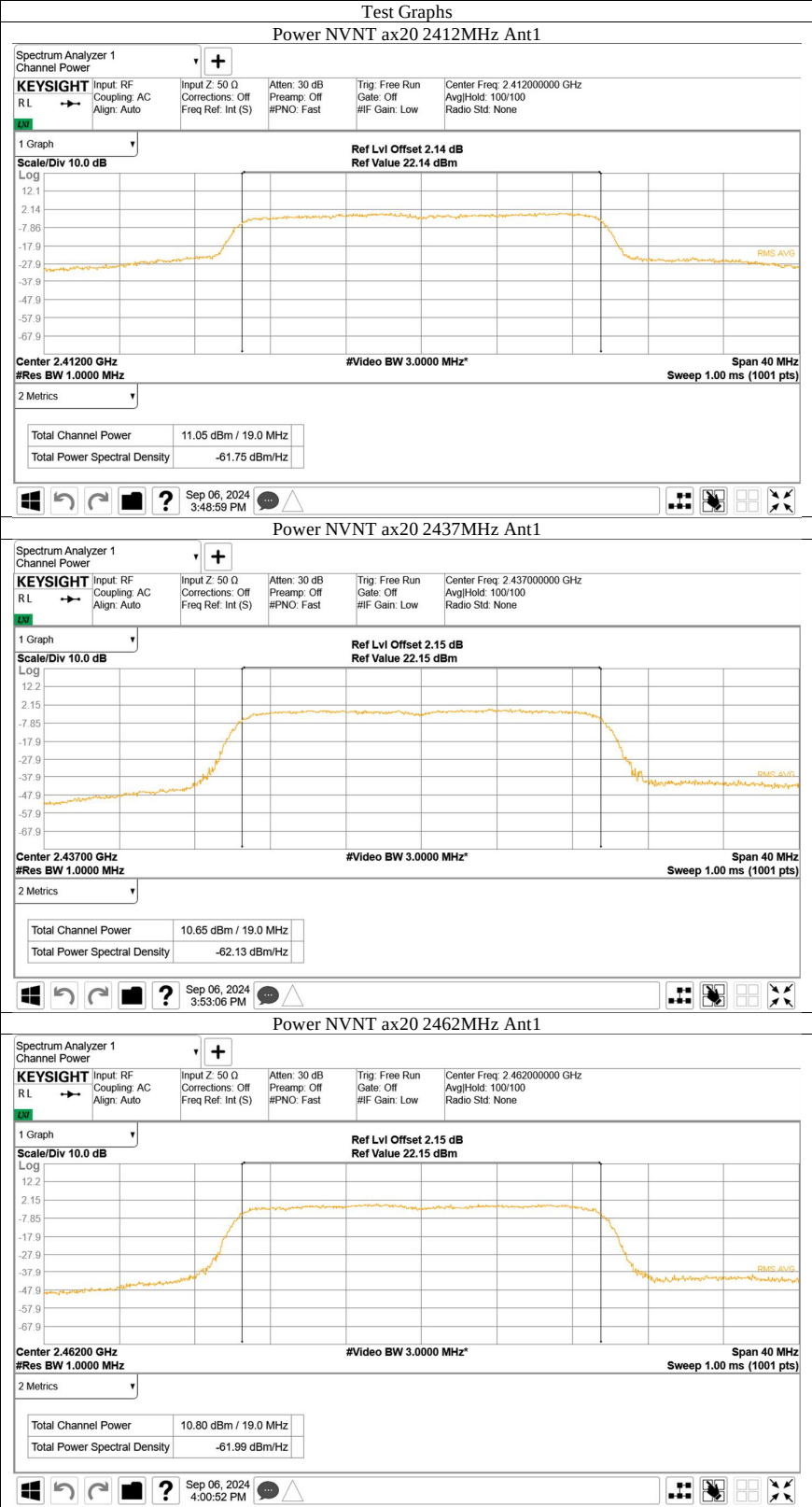
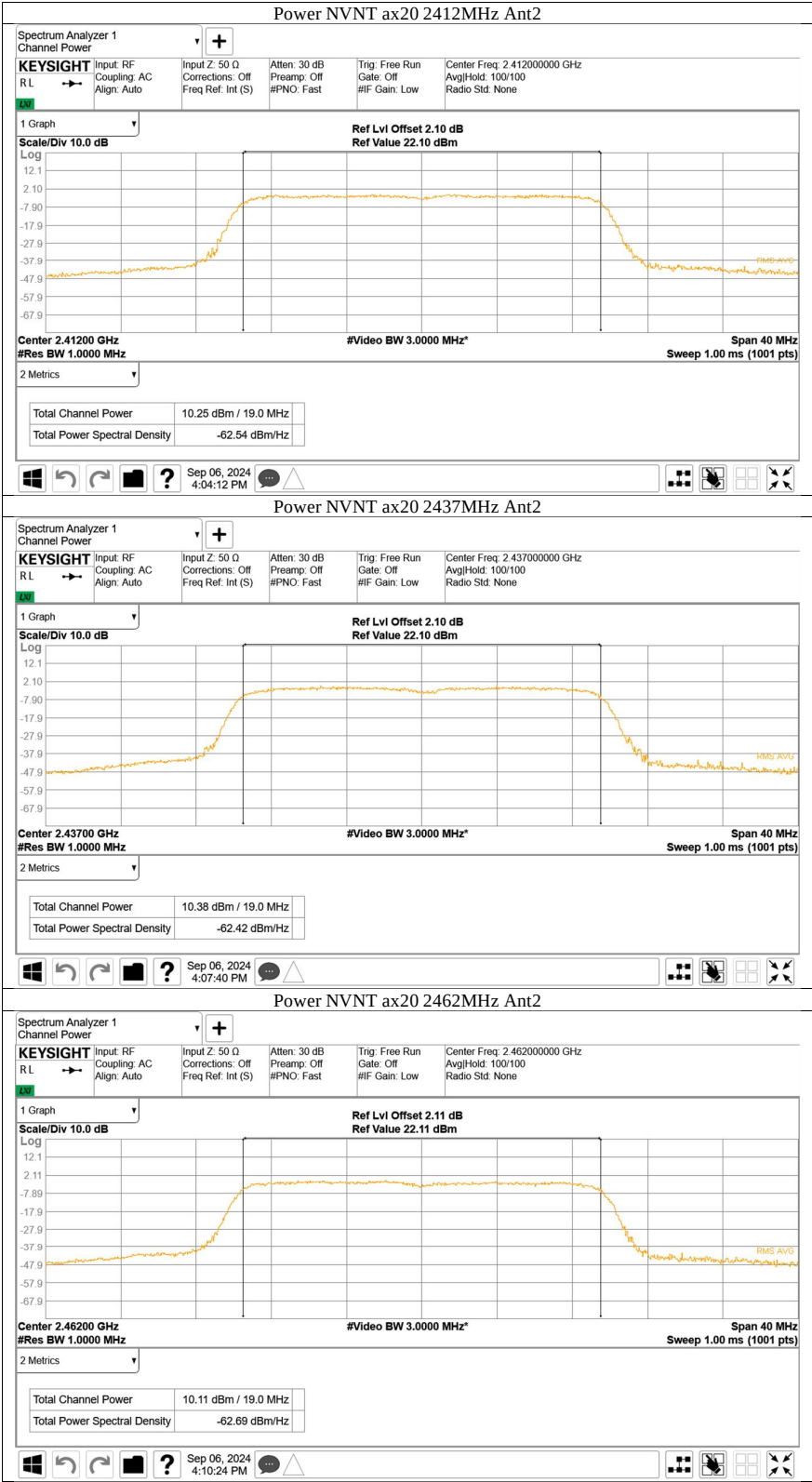


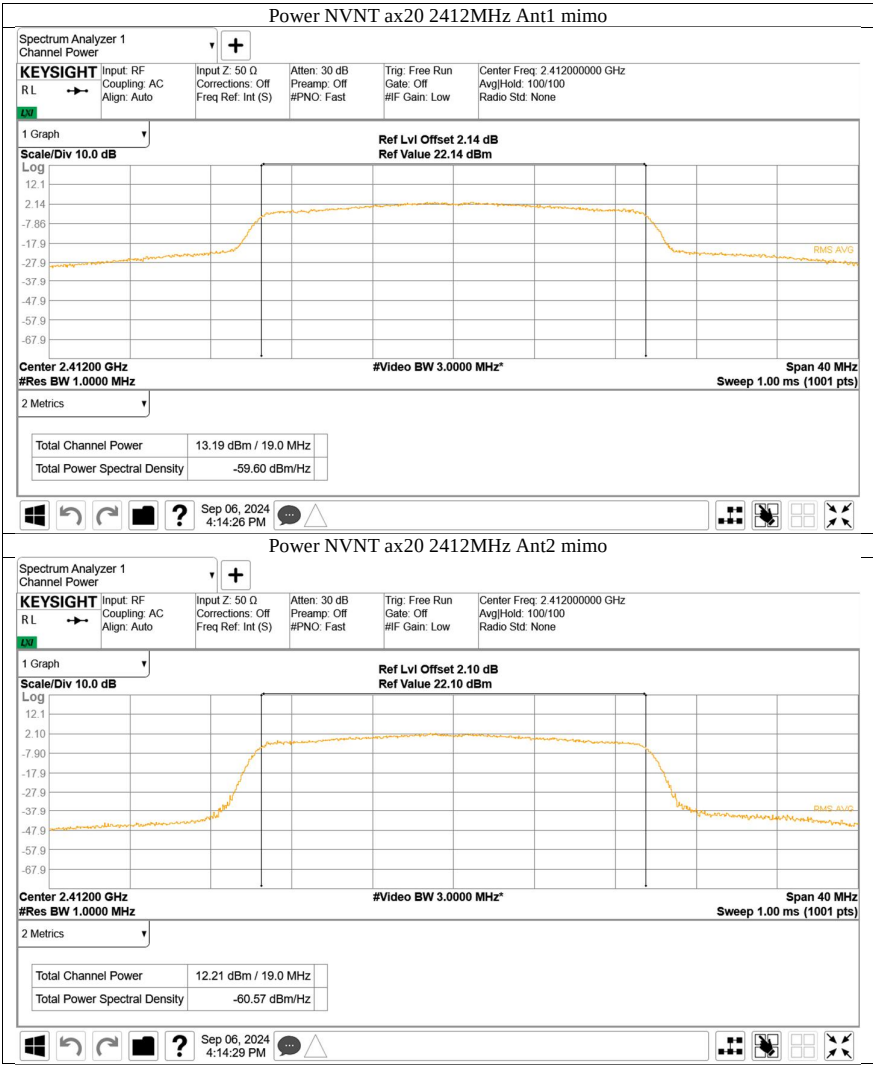


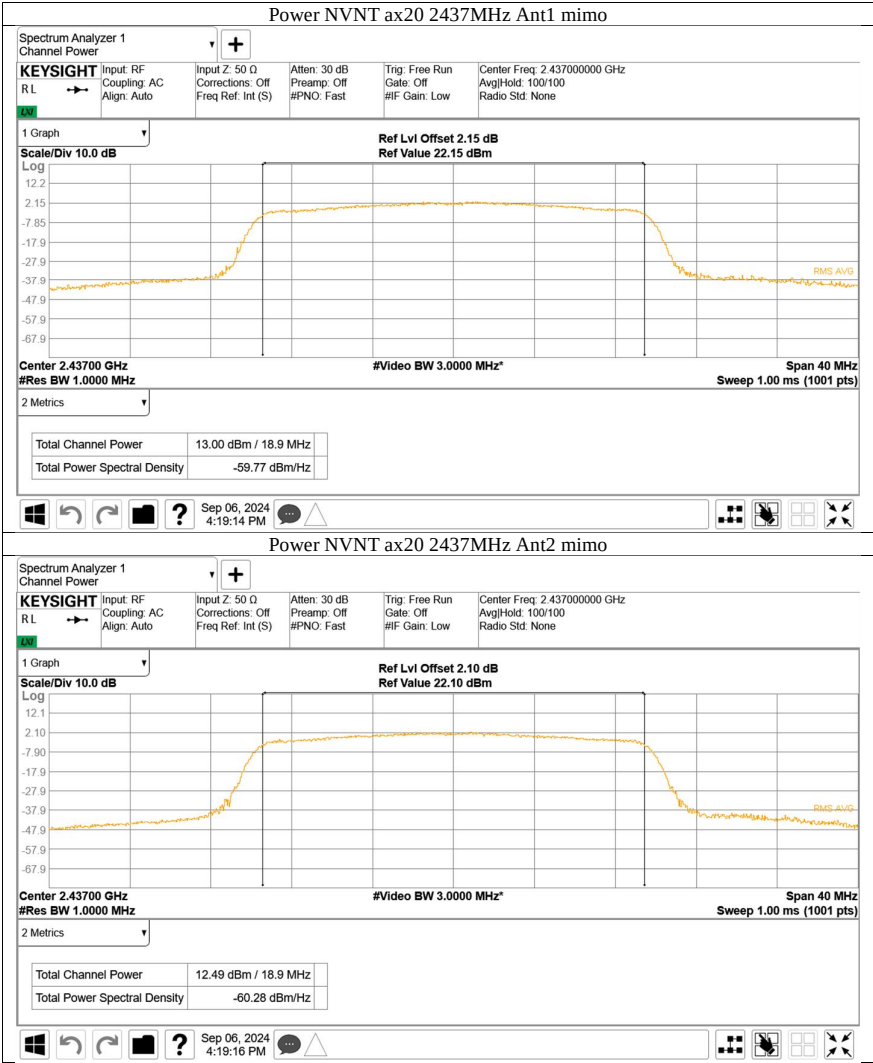


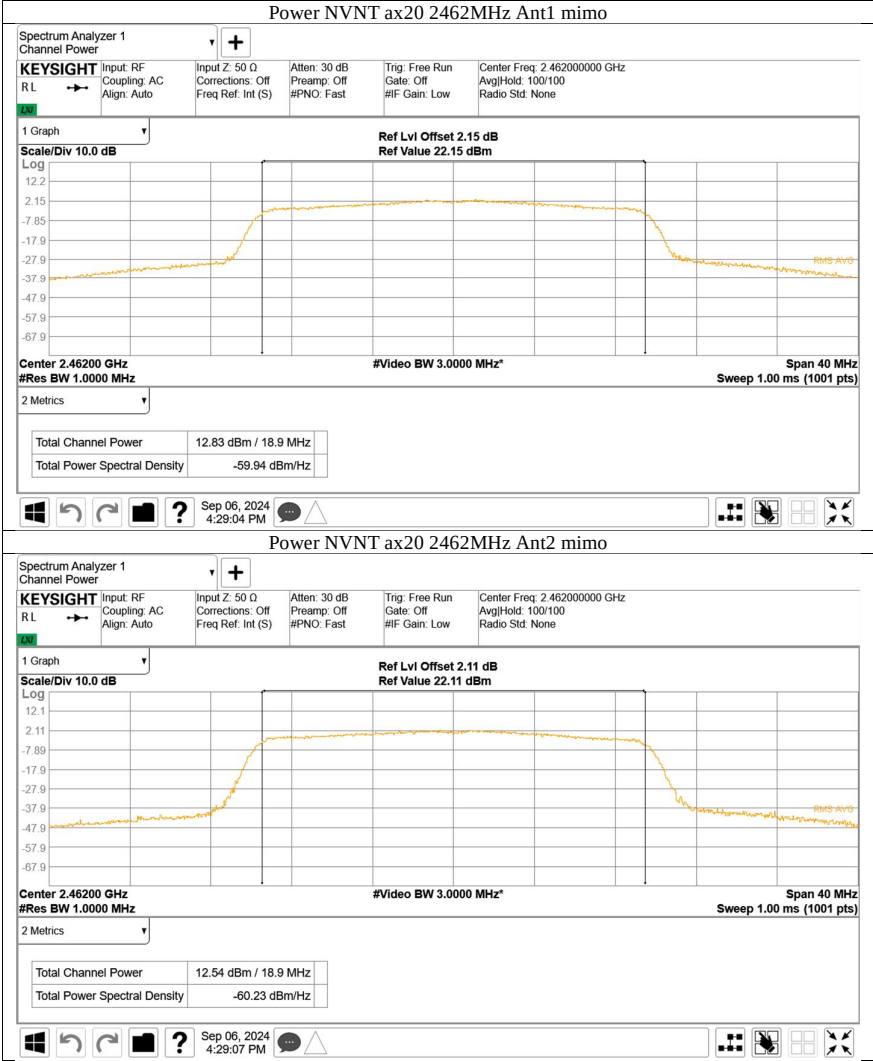














Test result (conducted peak) as below table

802.11b: SISO

Frequency (MHz)	Conducted Peak Output Power(dBm) §15.247 (b) (3)		Sum Power (dBm)	Limit	e.i.r.p. (dBm) RSS-247 5.4(d)		Sum Power (dBm)	Limit
					Antenna 1 (Gain:2.17)	Antenna 2 (Gain:2.17)		
	Result	Result			Result	Result		
2412MHz	17.59	16.21	--	≤30	19.76	18.38	--	≤36
2437MHz	18.56	16.44	--	≤30	20.73	18.61	--	≤36
2462MHz	18.47	16.89	--	≤30	20.64	19.06	--	≤36

802.11g: SISO

Frequency (MHz)	Conducted Peak Output Power(dBm) §15.247 (b) (3)		Sum Power (dBm)	Limit	e.i.r.p. (dBm) RSS-247 5.4(d)		Sum Power (dBm)	Limit
					Antenna 1 (Gain:2.17)	Antenna 2 (Gain:2.17)		
	Result	Result			Result	Result		
2412MHz	24.19	23.64	--	≤30	26.36	25.81	--	≤36
2437MHz	24.43	24.02	--	≤30	26.6	26.19	--	≤36
2462MHz	24.42	24.19	--	≤30	26.59	26.36	--	≤36

802.11n(HT20): MIMO

Frequency (MHz)	Conducted Peak Output Power(dBm) §15.247 (b) (3)		Sum Power (dBm)	Limit	e.i.r.p. (dBm)		Sum Power (dBm)	Limit
					RSS-247 5.4(d)			
	Antenna gain= 5.18dBi							
	Antenna 1	Antenna 2						
	Antenna 1	Antenna 2			Antenna 1	Antenna 2		
	Result	Result			Result	Result		
2412MHz	24.05	23.75	26.91	≤30	29.23	28.93	31.92	≤36
2437MHz	24.29	23.99	27.15	≤30	29.47	29.17	32.16	≤36
2462MHz	24.53	24.11	27.34	≤30	29.71	29.29	32.35	≤36

802.11ax(HE20): MIMO

Frequency (MHz)	Conducted Peak Output Power(dBm) §15.247 (b) (3)		Sum Power (dBm)	Limit	e.i.r.p. (dBm) RSS-247 5.4(d)		Sum Power (dBm)	Limit
					Antenna gain= 5.18dBi			
	Antenna 1	Antenna 2			Antenna 1	Antenna 2		
	Result	Result			Result	Result		
2412MHz	23.91	23.11	26.54	≤30	29.09	28.29	31.55	≤36
2437MHz	23.86	23.45	26.67	≤30	29.04	28.63	31.68	≤36
2462MHz	23.93	23.56	26.76	≤30	29.11	28.74	31.77	≤36

10.36dB bandwidth and 99% Occupied Bandwidth

Test Method for 6 dB Bandwidth

1. Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
2. Set the VBW $\geq [3 \times \text{RBW}]$.
3. Detector = peak.
RBW=100KHz, VBW $\geq$ 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
4. Trace mode = max-hold.
5. Sweep = No faster than coupled (auto) time.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-6 dB down amplitude”. If a marker is below this “-6 dB down amplitude” value, then it shall be as close as possible to this value.

Test Method for 99 % Bandwidth

1. Connect EUT test port to spectrum analyzer.
Use the following spectrum analyzer settings:
RBW=1% to 5% of the actual occupied, VBW $\geq$ 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
2. Use the occupied bandwidth measurement capability of test receiver.
3. Allow the trace to stabilize, record the occupied bandwidth value.

Limit

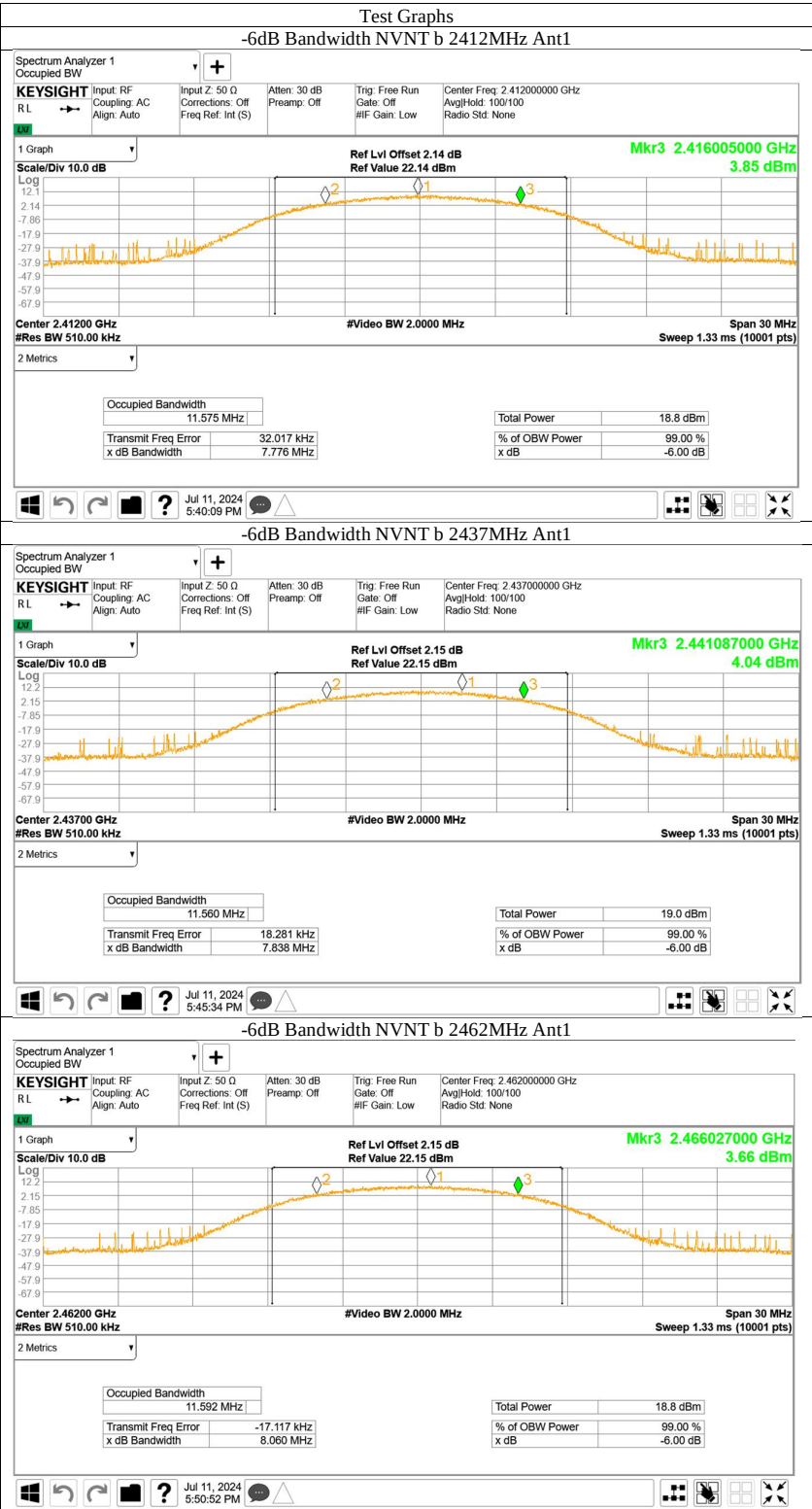
6dB bandwidth Limit [kHz]	99% bandwidth Limit [kHz]
≥ 500	--

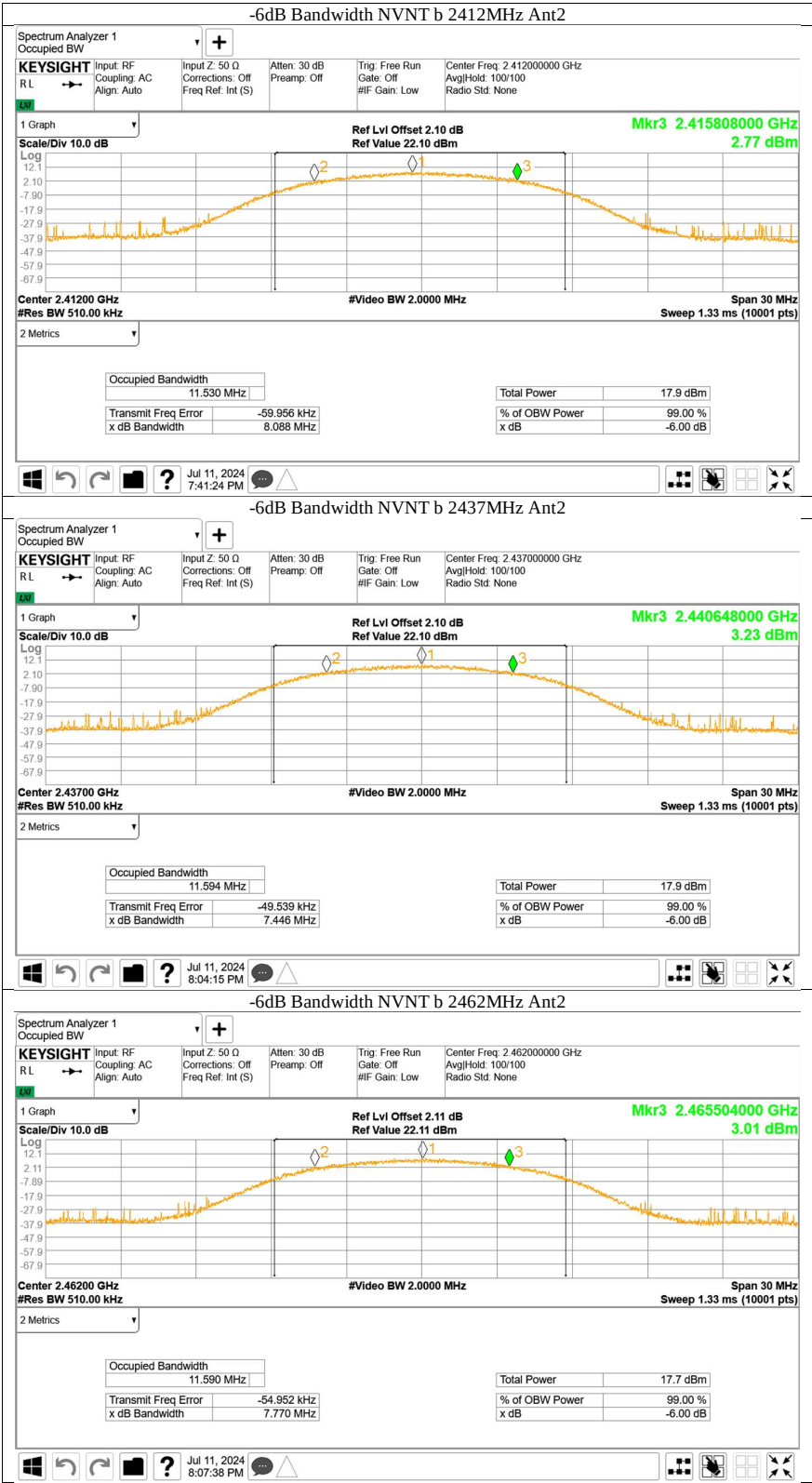
Test result

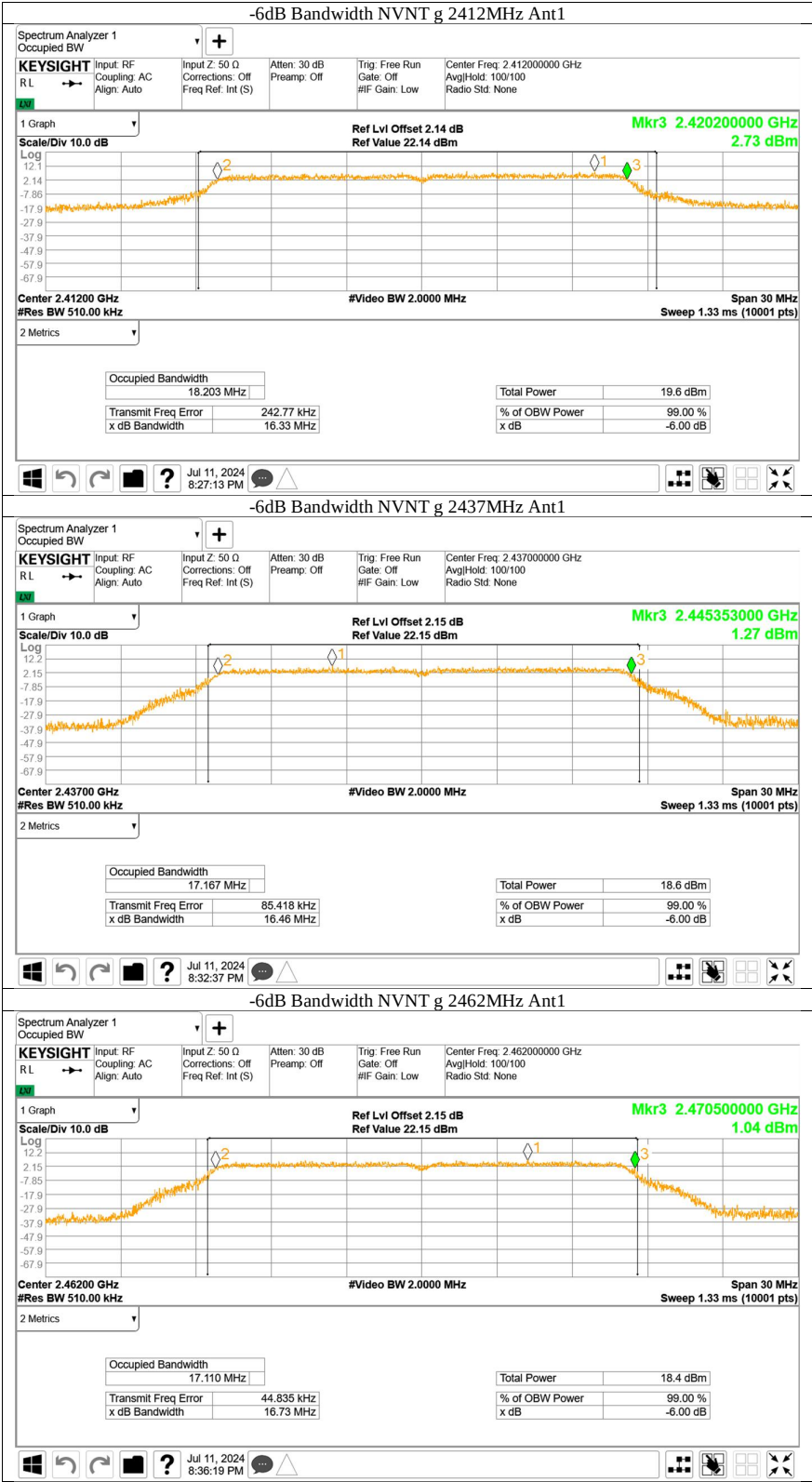
Test Mode	Frequency MHz	6dB bandwidth (MHz)			Result	99% occupied bandwidth MHz	
		Antenna1	Antenna 2	limit		Antenna1	Antenna 2
802.11b	2412	7.776	8.088	≥ 0.5	Pass	11.519	11.527
	2437	7.838	7.446	≥ 0.5	Pass	11.498	11.562
	2462	8.06	7.77	≥ 0.5	Pass	11.528	11.541
802.11g	2412	16.332	16.559	≥ 0.5	Pass	17.742	16.533
	2437	16.465	16.386	≥ 0.5	Pass	16.56	16.555
	2462	16.727	16.452	≥ 0.5	Pass	16.644	16.593
802.11n(HT20)	2412	17.492	17.744	≥ 0.5	Pass	17.792	17.776
	2437	17.953	17.672	≥ 0.5	Pass	17.757	17.766
	2462	17.706	17.759	≥ 0.5	Pass	17.75	17.772
802.11ax(HE20)	2422	19.12	18.974	≥ 0.5	Pass	19.033	19.006
	2437	19.069	19.196	≥ 0.5	Pass	18.984	19.022
	2452	19.118	19.035	≥ 0.5	Pass	18.982	19.018

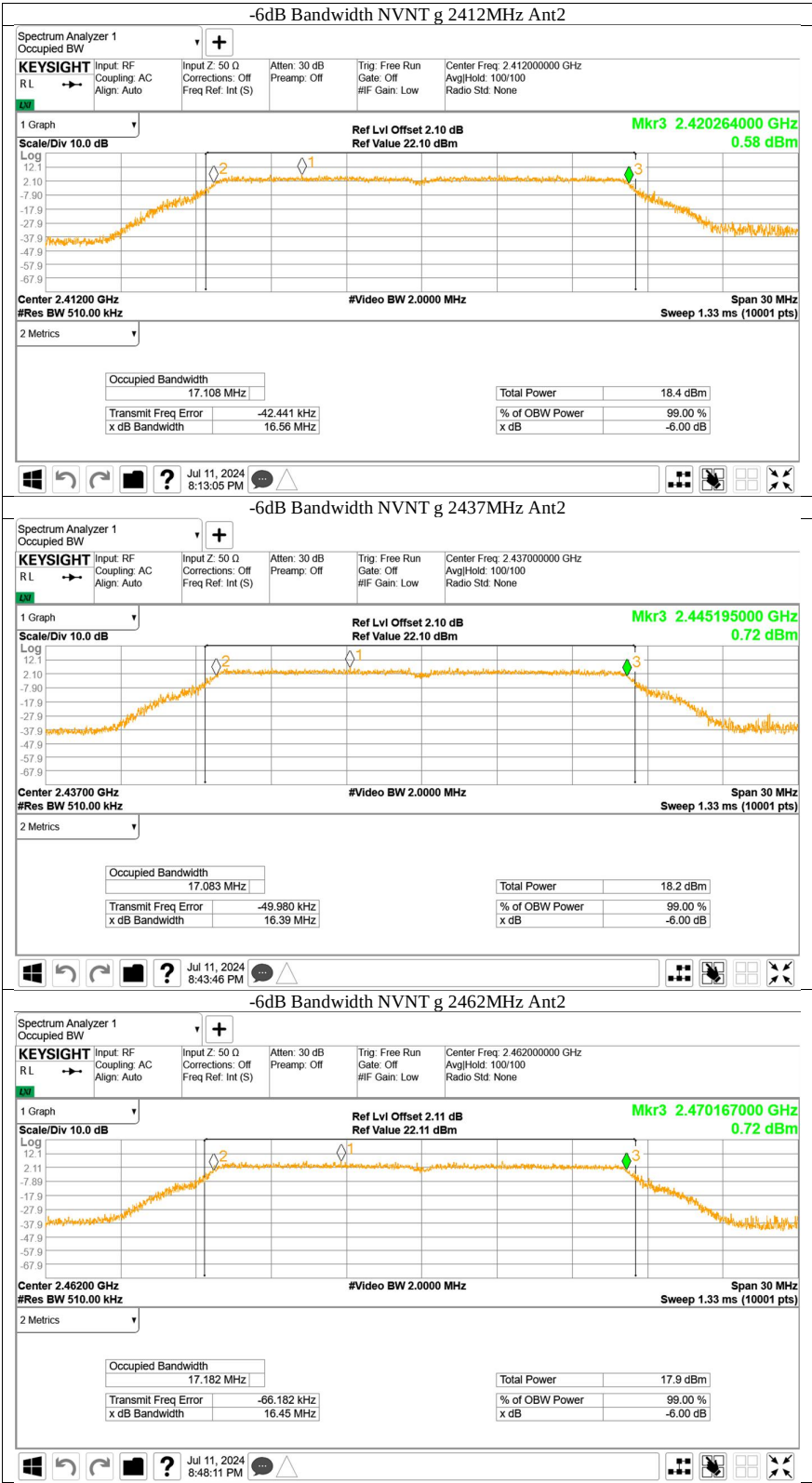


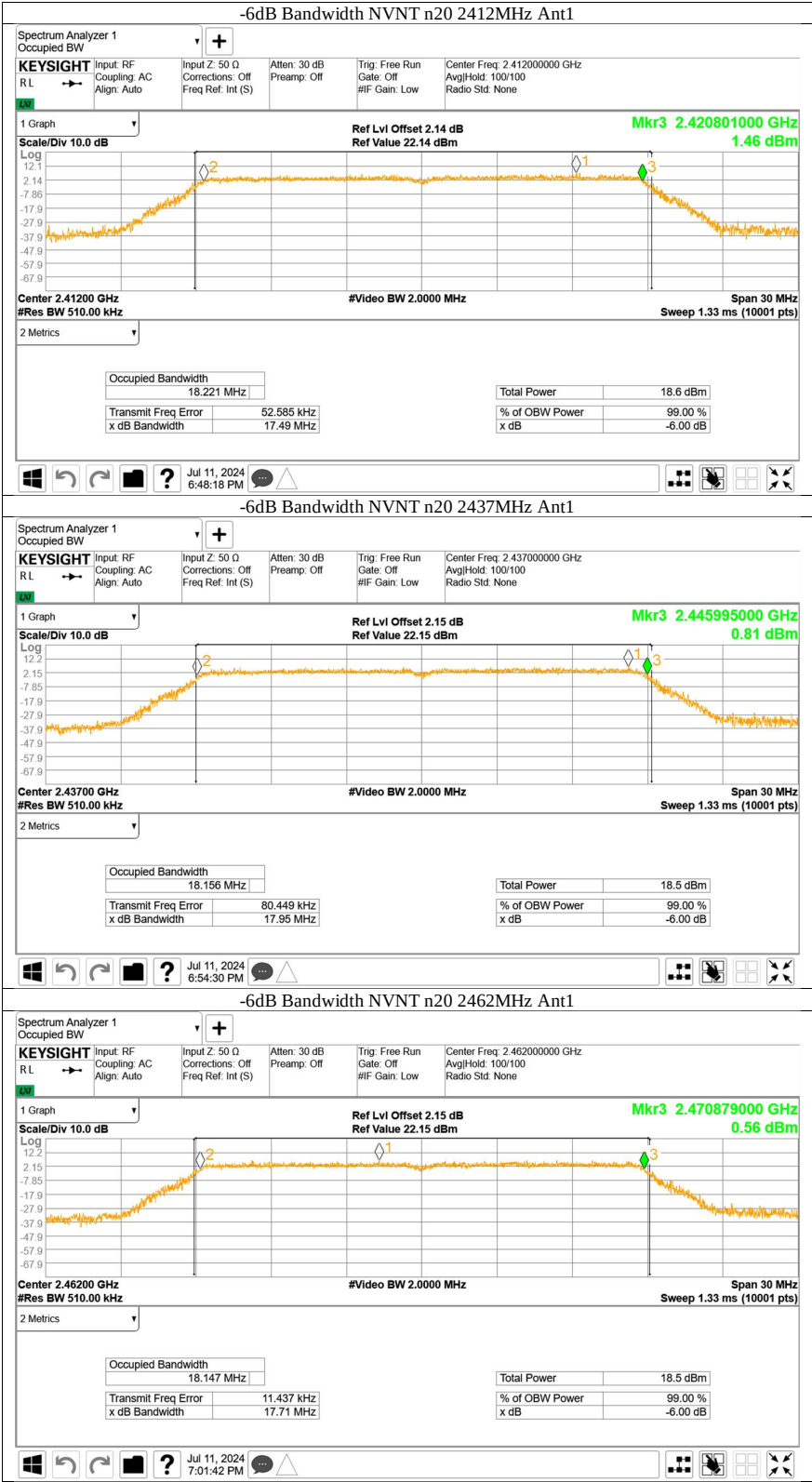
6 dB Bandwidth

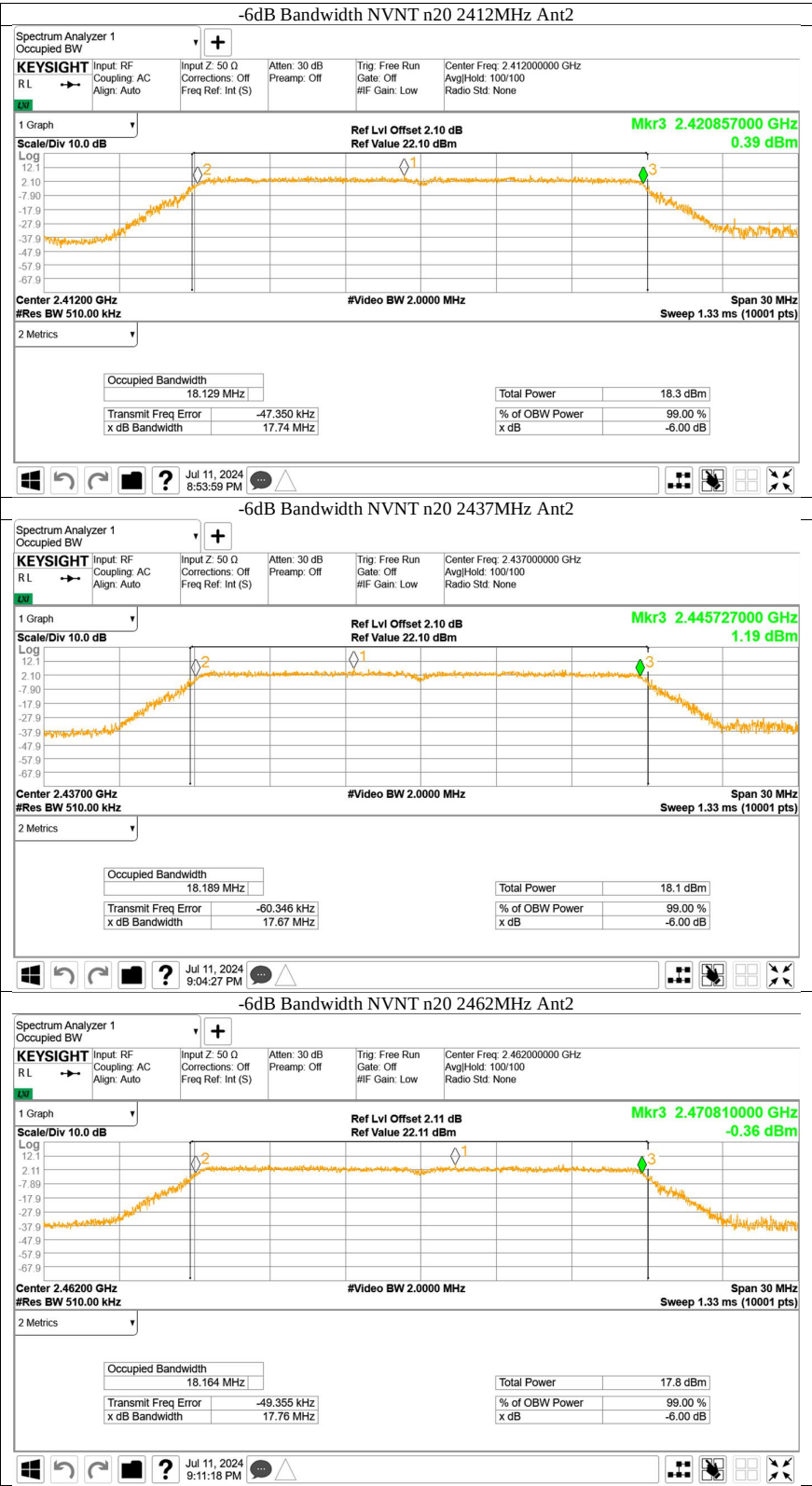


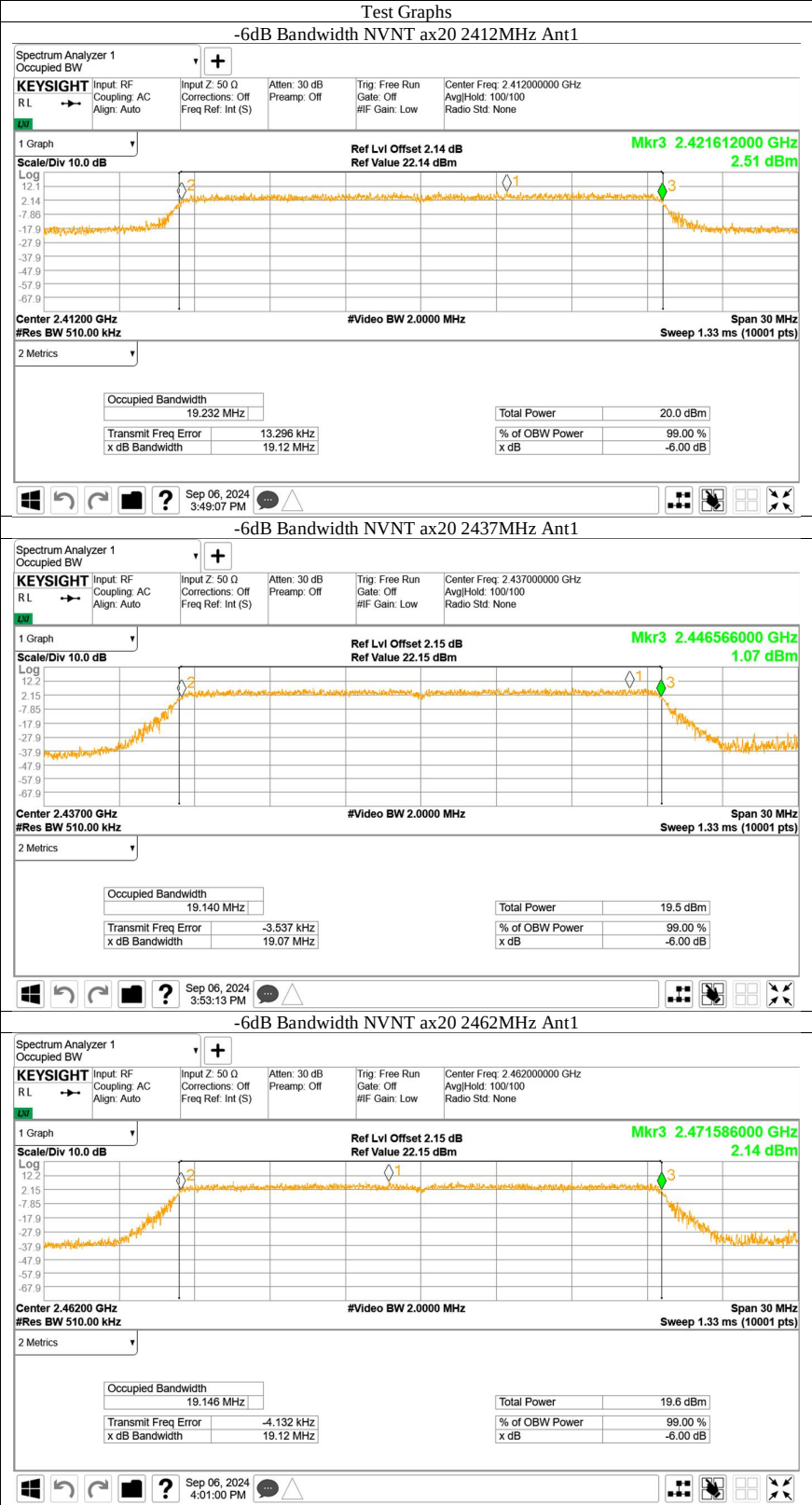


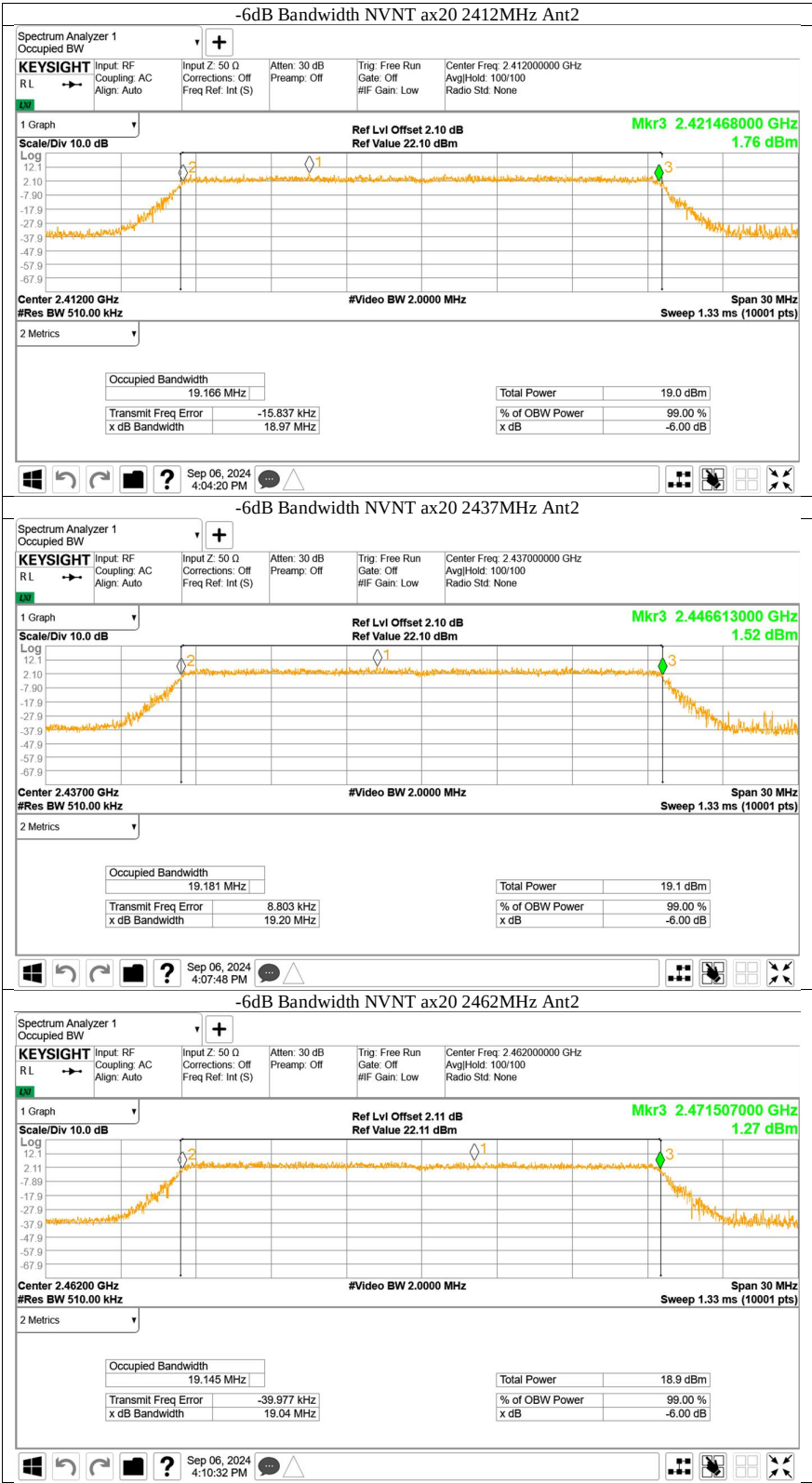














99% Occupied Bandwidth

