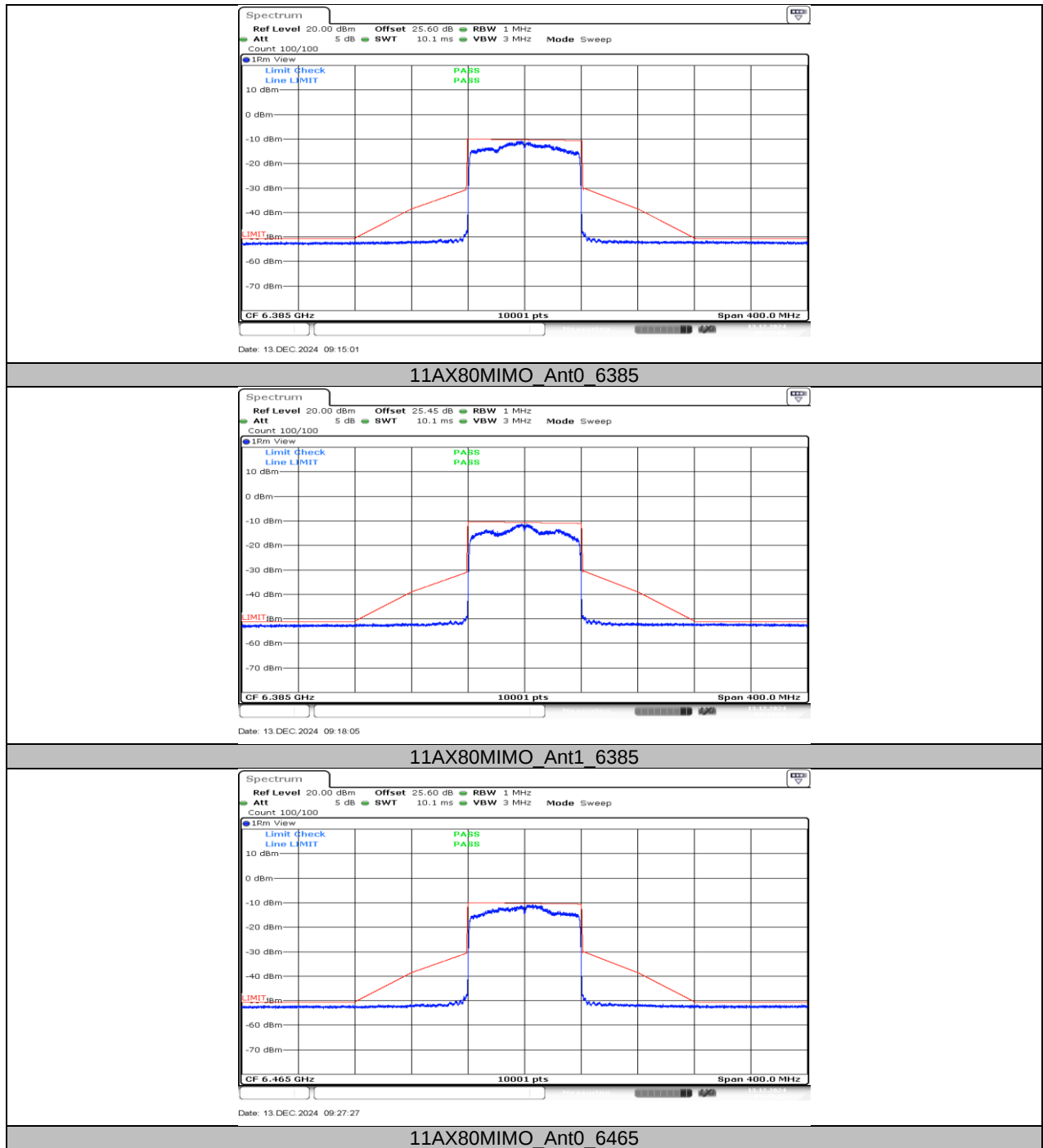
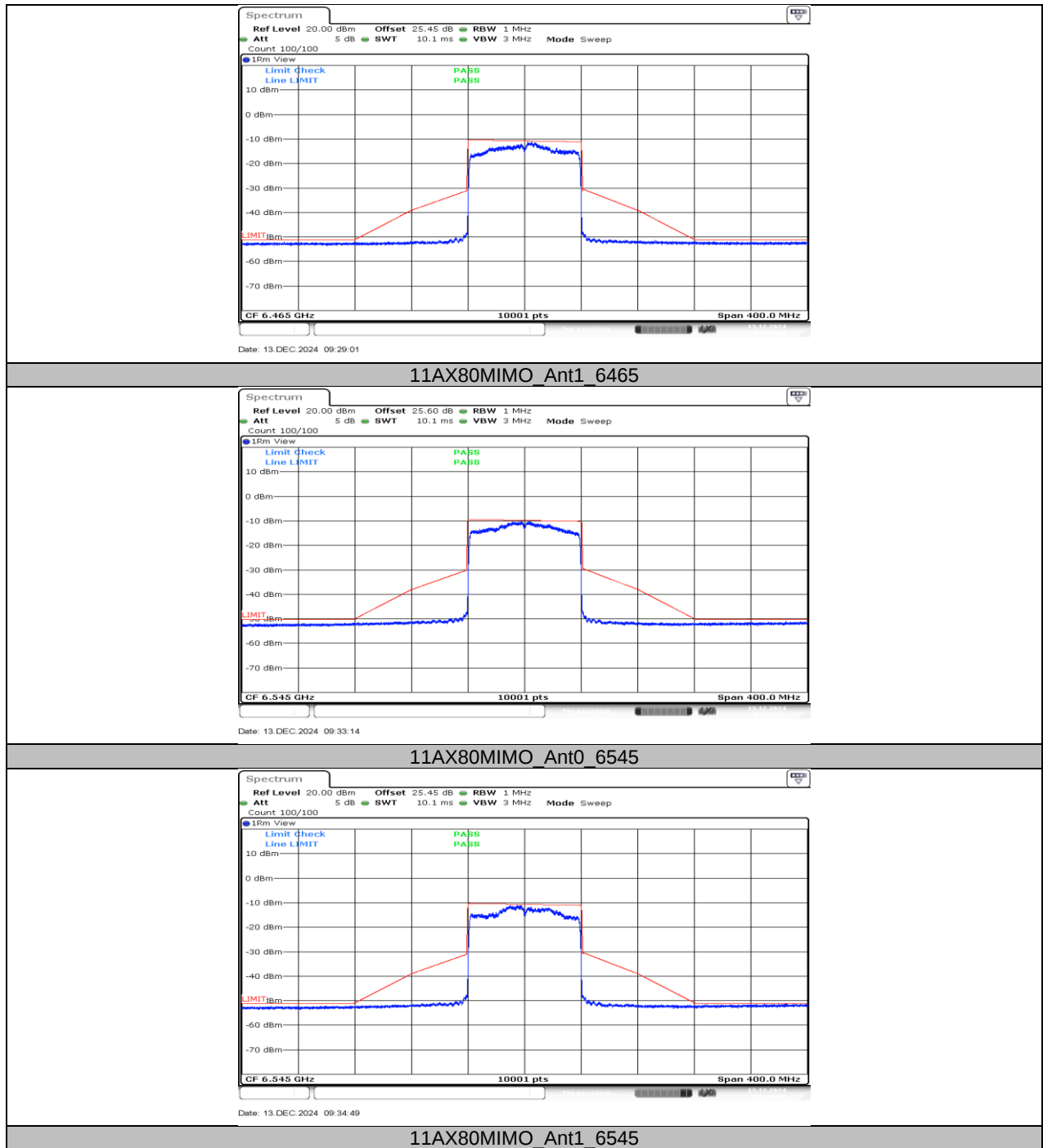
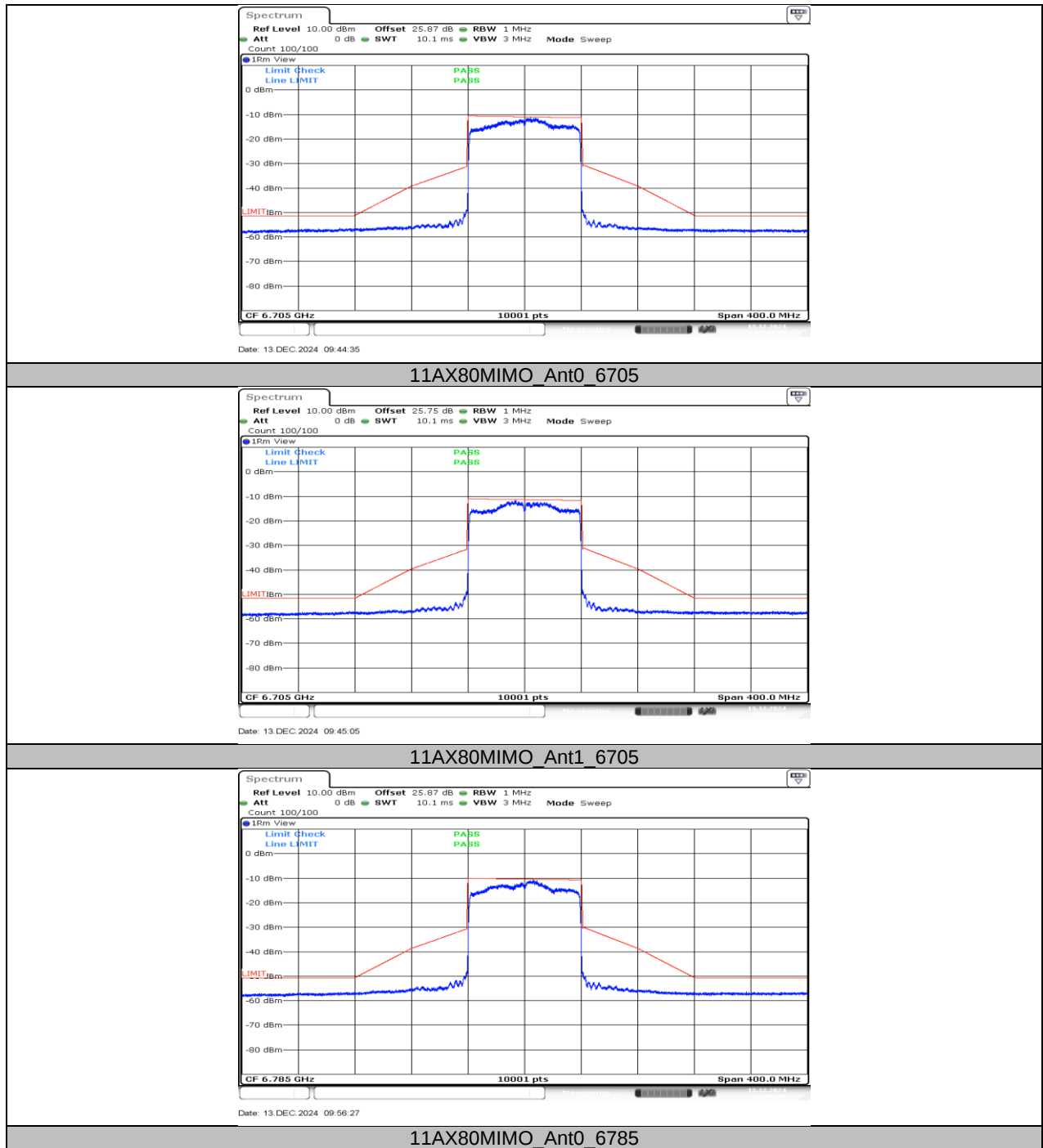
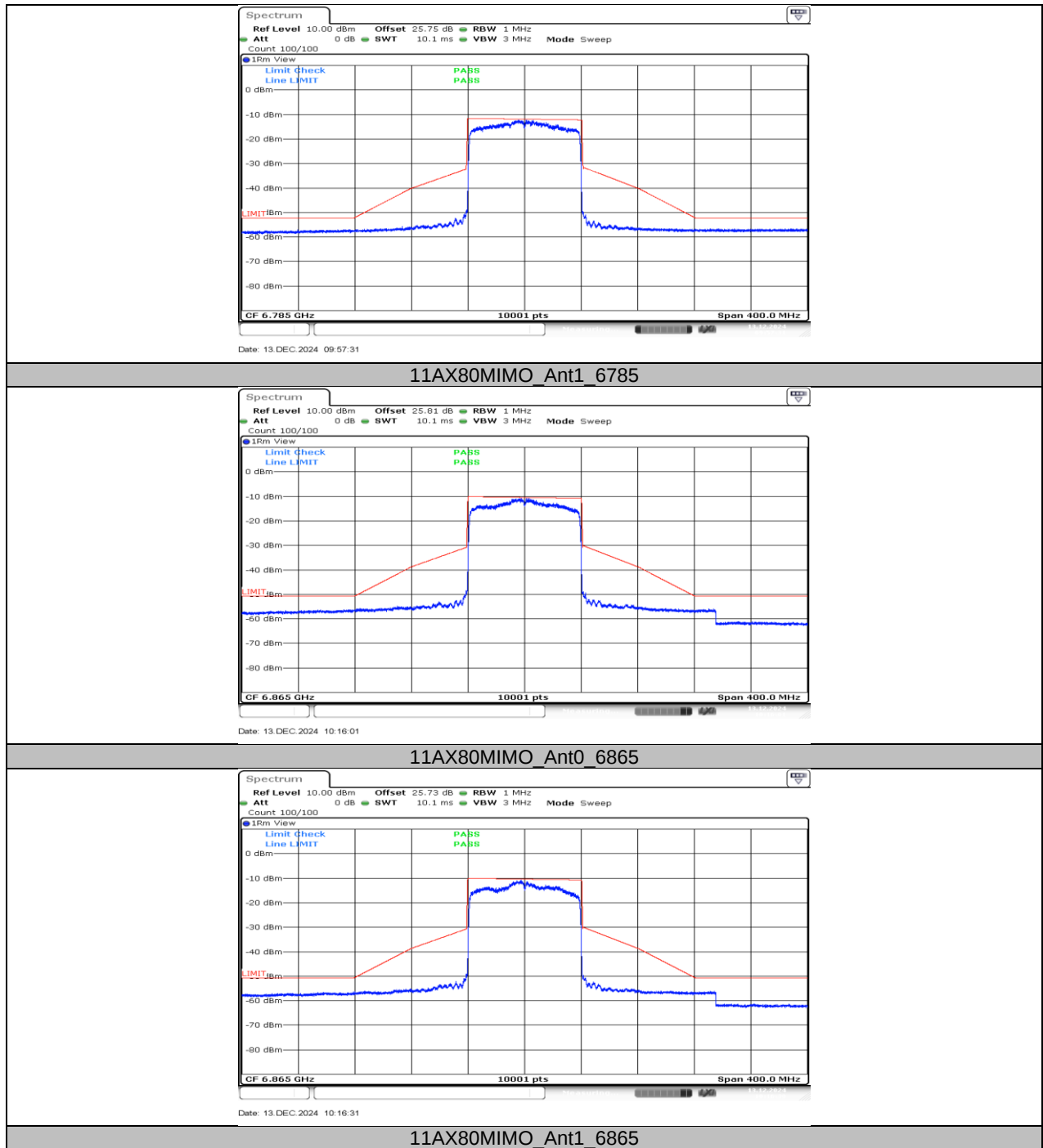
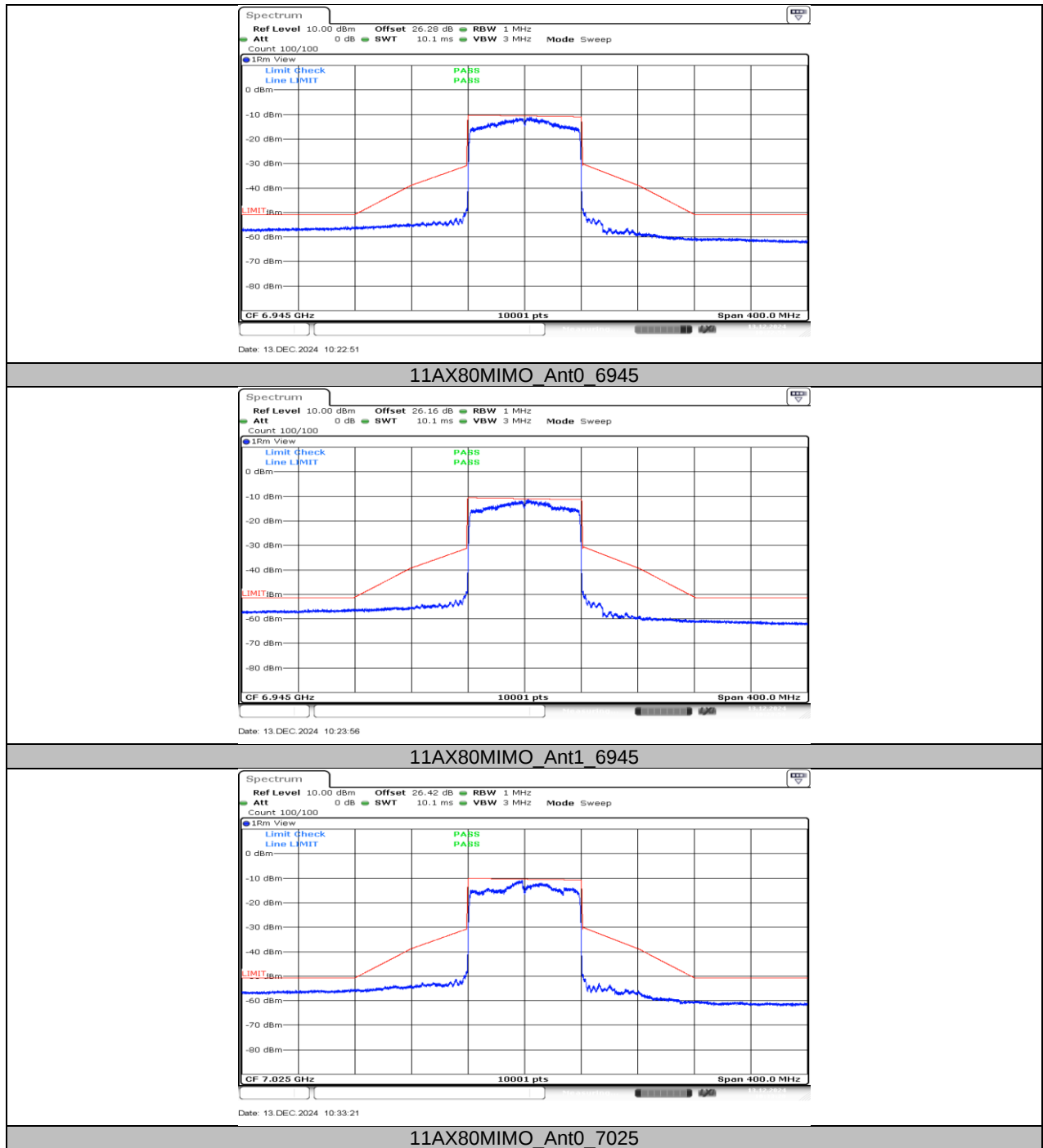


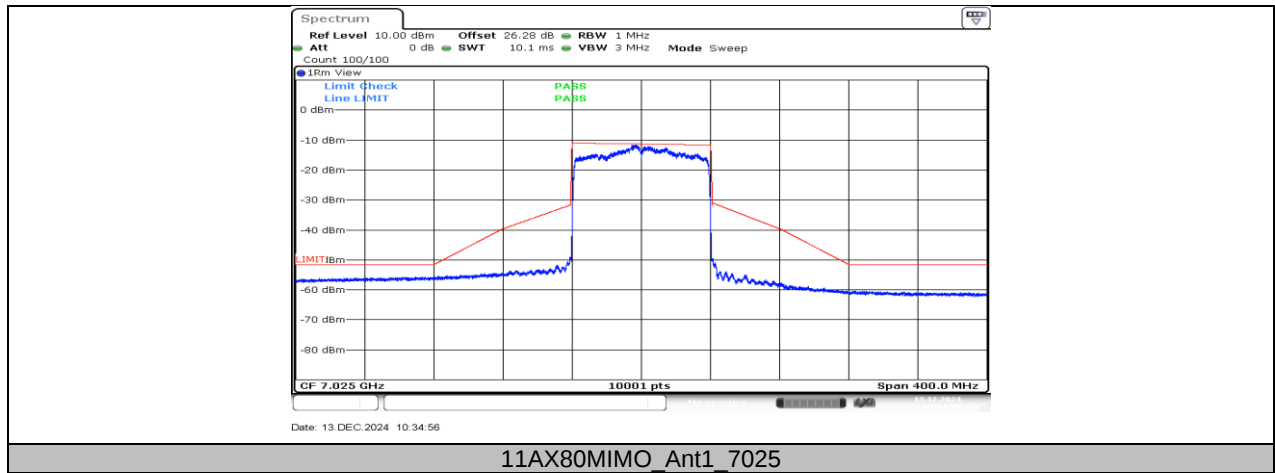












11.7. APPENDIX G: CONTENTION BASED PROTOCOL

11.7.1. Test Result

Mode	Freq	Ant	AWGN Location	AWGN Frequency (MHz)	Pmeas (dBm)	Loss (dB)	Pinj (dBm)	Min Gain (dBi)	Limit (dBm)	Adjusted Limit (dBm)	EUT Tx Status (Note1)	Verdict
AX20	6135	Ant0&1	Center	6135	-74.53	1.80	-76.33	-1.24	-62.00	-63.24	ON	---
				6135	-68.21	1.80	-70.01	-1.24	-62.00	-63.24	Minimal	---
				6135	-62.92	1.80	-64.72	-1.24	-62.00	-63.24	OFF	PASS
	6455	Ant0&1	Center	6455	-72.68	1.80	-74.48	-0.96	-62.00	-62.96	ON	---
				6455	-68.22	1.80	-70.02	-0.96	-62.00	-62.96	Minimal	---
				6455	-62.31	1.80	-64.11	-0.96	-62.00	-62.96	OFF	PASS
	6695	Ant0&1	Center	6695	-72.34	1.80	-74.14	-1.15	-62.00	-63.15	ON	---
				6695	-69.55	1.80	-71.35	-1.15	-62.00	-63.15	Minimal	---
				6695	-62.84	1.80	-64.64	-1.15	-62.00	-63.15	OFF	PASS
	7015	Ant0&1	Center	7015	-72.39	1.80	-74.19	-1.68	-62.00	-63.68	ON	---
				7015	-70.52	1.80	-72.32	-1.68	-62.00	-63.68	Minimal	---
				7015	-63.01	1.80	-64.81	-1.68	-62.00	-63.68	OFF	PASS
AX80	6145	Ant0&1	Low	6110	-74.35	1.80	-76.15	-1.24	-62.00	-63.24	ON	---
				6110	-71.93	1.80	-73.73	-1.24	-62.00	-63.24	Minimal	---
				6110	-62.66	1.80	-64.46	-1.24	-62.00	-63.24	OFF	PASS
		Ant0&1	Center	6145	-71.76	1.80	-73.56	-1.24	-62.00	-63.24	ON	---
				6145	-71.87	1.80	-73.67	-1.24	-62.00	-63.24	Minimal	---
				6145	-62.38	1.80	-64.18	-1.24	-62.00	-63.24	OFF	PASS
		Ant0&1	High	6180	-74.04	1.80	-75.84	-1.24	-62.00	-63.24	ON	---
				6180	-68.95	1.80	-70.75	-1.24	-62.00	-63.24	Minimal	---
				6180	-62.56	1.80	-64.36	-1.24	-62.00	-63.24	OFF	PASS
	6465	Ant0&1	Low	6430	-74.05	1.80	-75.85	-0.96	-62.00	-62.96	ON	---
				6430	-70.10	1.80	-71.90	-0.96	-62.00	-62.96	Minimal	---
				6430	-62.66	1.80	-64.46	-0.96	-62.00	-62.96	OFF	PASS
		Ant0&1	Center	6465	-74.56	1.80	-76.36	-0.96	-62.00	-62.96	ON	---
				6465	-67.41	1.80	-69.21	-0.96	-62.00	-62.96	Minimal	---
				6465	-62.27	1.80	-64.07	-0.96	-62.00	-62.96	OFF	PASS
		Ant0&1	High	6500	-73.32	1.80	-75.12	-0.96	-62.00	-62.96	ON	---
				6500	-69.46	1.80	-71.26	-0.96	-62.00	-62.96	Minimal	---
				6500	-62.32	1.80	-64.12	-0.96	-62.00	-62.96	OFF	PASS
	6705	Ant0&1	Low	6670	-72.87	1.80	-74.67	-1.15	-62.00	-63.15	ON	---
				6670	-69.14	1.80	-70.94	-1.15	-62.00	-63.15	Minimal	---
				6670	-62.68	1.80	-64.48	-1.15	-62.00	-63.15	OFF	PASS
		Ant0&1	Center	6705	-72.51	1.80	-74.31	-1.15	-62.00	-63.15	ON	---
				6705	-70.61	1.80	-72.41	-1.15	-62.00	-63.15	Minimal	---
				6705	-62.90	1.80	-64.70	-1.15	-62.00	-63.15	OFF	PASS
		Ant0&1	High	6740	-72.01	1.80	-73.81	-1.15	-62.00	-63.15	ON	---

6945	Ant0&1	Low	6740	-69.61	1.80	-71.41	-1.15	-62.00	-63.15	Minimal	---
			6740	-62.39	1.80	-64.19	-1.15	-62.00	-63.15	OFF	PASS
			6910	-73.39	1.80	-75.19	-1.68	-62.00	-63.68	ON	---
			6910	-71.73	1.80	-73.53	-1.68	-62.00	-63.68	Minimal	---
			6910	-62.51	1.80	-64.31	-1.68	-62.00	-63.68	OFF	PASS
			6945	-74.11	1.80	-75.91	-1.68	-62.00	-63.68	ON	---
			6945	-69.37	1.80	-71.17	-1.68	-62.00	-63.68	Minimal	---
			6945	-62.98	1.80	-64.78	-1.68	-62.00	-63.68	OFF	PASS
			6980	-71.78	1.80	-73.58	-1.68	-62.00	-63.68	ON	---
			6980	-71.24	1.80	-73.04	-1.68	-62.00	-63.68	Minimal	---
			6980	-62.65	1.80	-64.45	-1.68	-62.00	-63.68	OFF	PASS

Note 1: The AWGN level is reported for the following conditions:

- OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds

- Minimal: AWGN level at which the system begins to trigger the transmission switch-off, albeit not being kept off consistently

- ON = AWGN level at which no impact on the transmission is detected, consistently for a minimum period of 10 seconds.

Pmeas is measured AWGN signal level.

Loss is the total path losses of cables / attenuators / couplers between measurement point and EUT injection point. If the measurement is made at the end of the cable that connects to the EUT antenna port then this is 0dBm.

For MIMO testing, we select two RF lines with similar line losses to connect the EUT and take the minimum value in the test frequency band for calculation to ensure strict compliance with the test requirements.

Pinj is the power injected at EUT's antenna connect port.

Adjusted limit is the FCC limit (-62dBm) corrected for the EUT antenna gain (= -62dBm – grant gain)

Grant = EUT antenna gain (for a MIMO system it is the lowest gain across all antennas)

Note 2: The EUT does not support channel puncturing.

Note 3: The EUT does not support channel bandwidth reduction.

Note 4: Test is performed by starting at a level much lower than required detection level and then increased based on KDB 987594.

Mode	Frequency (MHz)	Antenna	AWGN Location	AWGN Frequency (MHz)	Test Number	Number Detected	Result (%)	Limit (%)	Verdict
AX20	6135	Ant0&1	Center	6135	10	10	100	90	Pass
AX20	6455	Ant0&1	Center	6455	10	10	100	90	Pass
AX20	6695	Ant0&1	Center	6695	10	10	100	90	Pass
AX20	7015	Ant0&1	Center	7015	10	10	100	90	Pass
AX80	6145	Ant0&1	Low	6110	10	10	100	90	Pass
AX80	6145	Ant0&1	Center	6145	10	10	100	90	Pass
AX80	6145	Ant0&1	High	6180	10	10	100	90	Pass
AX80	6465	Ant0&1	Low	6430	10	10	100	90	Pass
AX80	6465	Ant0&1	Center	6465	10	10	100	90	Pass
AX80	6465	Ant0&1	High	6500	10	10	100	90	Pass
AX80	6705	Ant0&1	Low	6670	10	10	100	90	Pass
AX80	6705	Ant0&1	Center	6705	10	10	100	90	Pass
AX80	6705	Ant0&1	High	6740	10	10	100	90	Pass
AX80	6945	Ant0&1	Low	6910	10	10	100	90	Pass
AX80	6945	Ant0&1	Center	6945	10	10	100	90	Pass
AX80	6945	Ant0&1	High	6980	10	10	100	90	Pass

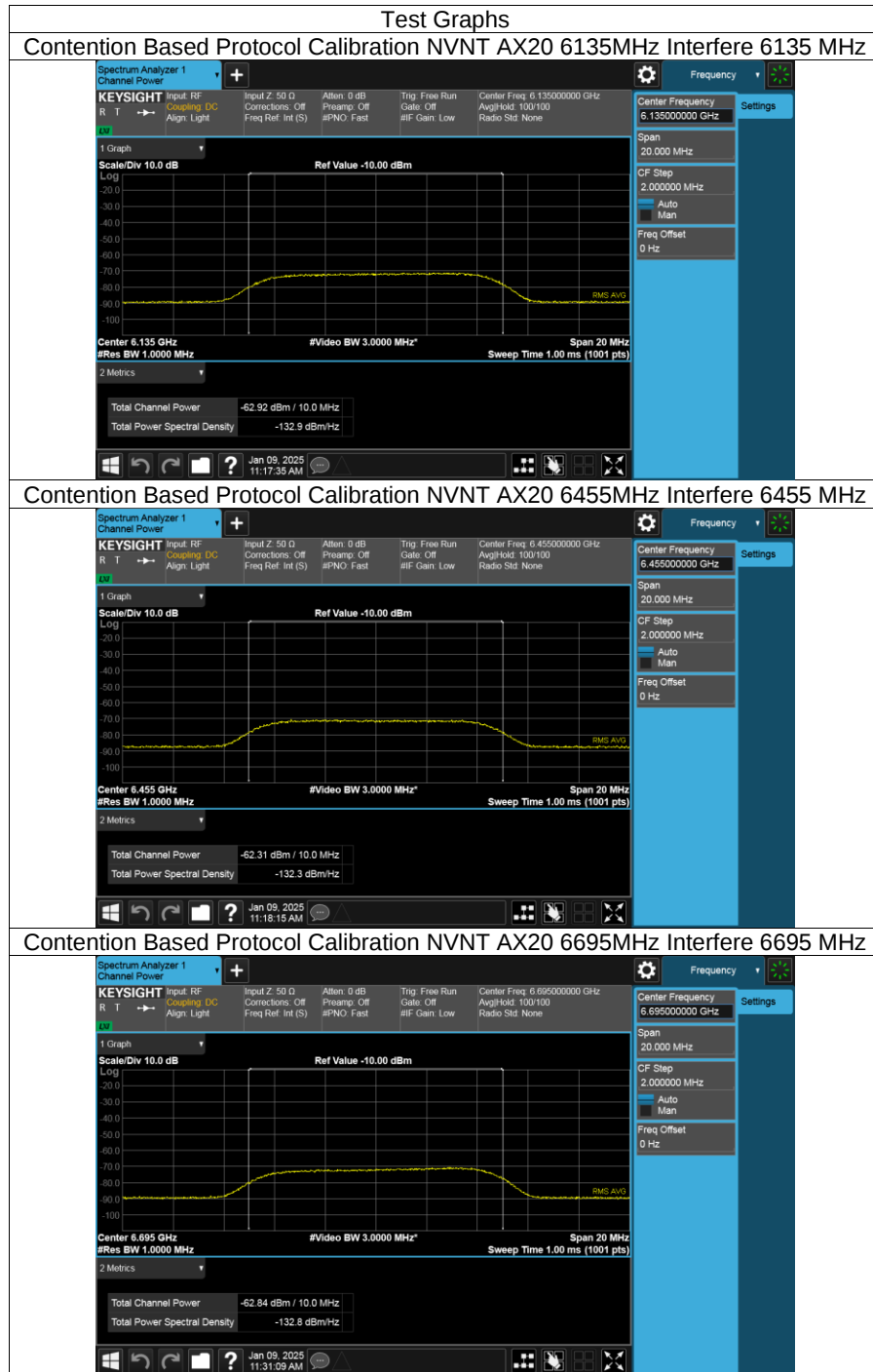
Mode	Frequency (MHz)	Antenna	AWGN Location	AWGN Frequency (MHz)	Test Time	Is Detected	Verdict
AX20	6135	Ant0&1	Center	6135	1	Yes	Pass
AX20	6135	Ant0&1	Center	6135	2	Yes	Pass
AX20	6135	Ant0&1	Center	6135	3	Yes	Pass
AX20	6135	Ant0&1	Center	6135	4	Yes	Pass
AX20	6135	Ant0&1	Center	6135	5	Yes	Pass

AX20	6135	Ant0&1	Center	6135	6	Yes	Pass
AX20	6135	Ant0&1	Center	6135	7	Yes	Pass
AX20	6135	Ant0&1	Center	6135	8	Yes	Pass
AX20	6135	Ant0&1	Center	6135	9	Yes	Pass
AX20	6135	Ant0&1	Center	6135	10	Yes	Pass
AX20	6455	Ant0&1	Center	6455	1	Yes	Pass
AX20	6455	Ant0&1	Center	6455	2	Yes	Pass
AX20	6455	Ant0&1	Center	6455	3	Yes	Pass
AX20	6455	Ant0&1	Center	6455	4	Yes	Pass
AX20	6455	Ant0&1	Center	6455	5	Yes	Pass
AX20	6455	Ant0&1	Center	6455	6	Yes	Pass
AX20	6455	Ant0&1	Center	6455	7	Yes	Pass
AX20	6455	Ant0&1	Center	6455	8	Yes	Pass
AX20	6455	Ant0&1	Center	6455	9	Yes	Pass
AX20	6455	Ant0&1	Center	6455	10	Yes	Pass
AX20	6695	Ant0&1	Center	6695	1	Yes	Pass
AX20	6695	Ant0&1	Center	6695	2	Yes	Pass
AX20	6695	Ant0&1	Center	6695	3	Yes	Pass
AX20	6695	Ant0&1	Center	6695	4	Yes	Pass
AX20	6695	Ant0&1	Center	6695	5	Yes	Pass
AX20	6695	Ant0&1	Center	6695	6	Yes	Pass
AX20	6695	Ant0&1	Center	6695	7	Yes	Pass
AX20	6695	Ant0&1	Center	6695	8	Yes	Pass
AX20	6695	Ant0&1	Center	6695	9	Yes	Pass
AX20	6695	Ant0&1	Center	6695	10	Yes	Pass
AX20	7015	Ant0&1	Center	7015	1	Yes	Pass
AX20	7015	Ant0&1	Center	7015	2	Yes	Pass
AX20	7015	Ant0&1	Center	7015	4	Yes	Pass
AX20	7015	Ant0&1	Center	7015	5	Yes	Pass
AX20	7015	Ant0&1	Center	7015	6	Yes	Pass
AX20	7015	Ant0&1	Center	7015	7	Yes	Pass
AX20	7015	Ant0&1	Center	7015	8	Yes	Pass
AX20	7015	Ant0&1	Center	7015	9	Yes	Pass
AX20	7015	Ant0&1	Center	7015	10	Yes	Pass
AX80	6145	Ant0&1	Low	6110	1	Yes	Pass
AX80	6145	Ant0&1	Low	6110	2	Yes	Pass
AX80	6145	Ant0&1	Low	6110	3	Yes	Pass
AX80	6145	Ant0&1	Low	6110	4	Yes	Pass
AX80	6145	Ant0&1	Low	6110	5	Yes	Pass
AX80	6145	Ant0&1	Low	6110	6	Yes	Pass
AX80	6145	Ant0&1	Low	6110	7	Yes	Pass
AX80	6145	Ant0&1	Low	6110	8	Yes	Pass
AX80	6145	Ant0&1	Low	6110	9	Yes	Pass
AX80	6145	Ant0&1	Low	6110	10	Yes	Pass
AX80	6145	Ant0&1	Center	6145	1	Yes	Pass
AX80	6145	Ant0&1	Center	6145	2	Yes	Pass
AX80	6145	Ant0&1	Center	6145	3	Yes	Pass
AX80	6145	Ant0&1	Center	6145	4	Yes	Pass
AX80	6145	Ant0&1	Center	6145	5	Yes	Pass
AX80	6145	Ant0&1	Center	6145	6	Yes	Pass
AX80	6145	Ant0&1	Center	6145	7	Yes	Pass
AX80	6145	Ant0&1	Center	6145	8	Yes	Pass
AX80	6145	Ant0&1	Center	6145	9	Yes	Pass
AX80	6145	Ant0&1	Center	6145	10	Yes	Pass
AX80	6145	Ant0&1	High	6180	1	Yes	Pass
AX80	6145	Ant0&1	High	6180	2	Yes	Pass
AX80	6145	Ant0&1	High	6180	3	Yes	Pass
AX80	6145	Ant0&1	High	6180	4	Yes	Pass
AX80	6145	Ant0&1	High	6180	5	Yes	Pass
AX80	6145	Ant0&1	High	6180	6	Yes	Pass
AX80	6145	Ant0&1	High	6180	7	Yes	Pass
AX80	6145	Ant0&1	High	6180	8	Yes	Pass

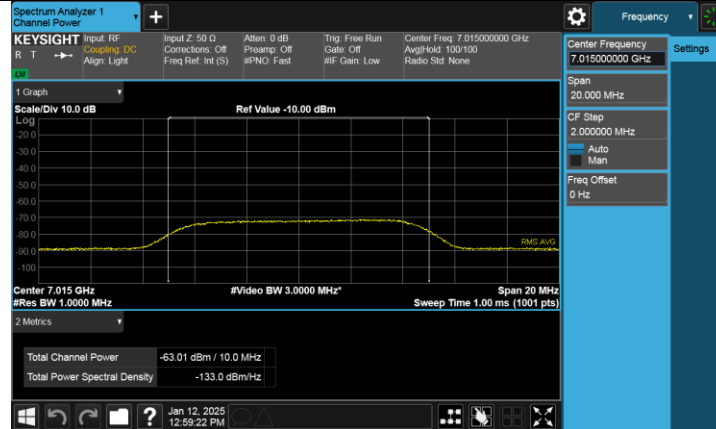
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AX80	6465	Ant0&1	Low	6430	4	Yes	Pass
AX80	6465	Ant0&1	Low	6430	5	Yes	Pass
AX80	6465	Ant0&1	Low	6430	6	Yes	Pass
AX80	6465	Ant0&1	Low	6430	7	Yes	Pass
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AX80	6465	Ant0&1	Low	6430	9	Yes	Pass
AX80	6465	Ant0&1	Low	6430	10	Yes	Pass
AX80	6465	Ant0&1	Center	6465	1	Yes	Pass
AX80	6465	Ant0&1	Center	6465	2	Yes	Pass
AX80	6465	Ant0&1	Center	6465	3	Yes	Pass
AX80	6465	Ant0&1	Center	6465	4	Yes	Pass
AX80	6465	Ant0&1	Center	6465	5	Yes	Pass
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AX80	6465	Ant0&1	Center	6465	7	Yes	Pass
AX80	6465	Ant0&1	Center	6465	8	Yes	Pass
AX80	6465	Ant0&1	Center	6465	9	Yes	Pass
AX80	6465	Ant0&1	Center	6465	10	Yes	Pass
AX80	6465	Ant0&1	High	6500	1	Yes	Pass
AX80	6465	Ant0&1	High	6500	2	Yes	Pass
AX80	6465	Ant0&1	High	6500	3	Yes	Pass
AX80	6465	Ant0&1	High	6500	4	Yes	Pass
AX80	6465	Ant0&1	High	6500	5	Yes	Pass
AX80	6465	Ant0&1	High	6500	6	Yes	Pass
AX80	6465	Ant0&1	High	6500	7	Yes	Pass
AX80	6465	Ant0&1	High	6500	8	Yes	Pass
AX80	6465	Ant0&1	High	6500	9	Yes	Pass
AX80	6465	Ant0&1	High	6500	10	Yes	Pass
AX80	6705	Ant0&1	Low	6670	1	Yes	Pass
AX80	6705	Ant0&1	Low	6670	2	Yes	Pass
AX80	6705	Ant0&1	Low	6670	3	Yes	Pass
AX80	6705	Ant0&1	Low	6670	4	Yes	Pass
AX80	6705	Ant0&1	Low	6670	5	Yes	Pass
AX80	6705	Ant0&1	Low	6670	6	Yes	Pass
AX80	6705	Ant0&1	Low	6670	7	Yes	Pass
AX80	6705	Ant0&1	Low	6670	8	Yes	Pass
AX80	6705	Ant0&1	Low	6670	9	Yes	Pass
AX80	6705	Ant0&1	Low	6670	10	Yes	Pass
AX80	6705	Ant0&1	Center	6705	1	Yes	Pass
AX80	6705	Ant0&1	Center	6705	2	Yes	Pass
AX80	6705	Ant0&1	Center	6705	3	Yes	Pass
AX80	6705	Ant0&1	Center	6705	4	Yes	Pass
AX80	6705	Ant0&1	Center	6705	5	Yes	Pass
AX80	6705	Ant0&1	Center	6705	6	Yes	Pass
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AX80	6705	Ant0&1	Center	6705	9	Yes	Pass
AX80	6705	Ant0&1	Center	6705	10	Yes	Pass
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AX80	6705	Ant0&1	High	6740	6	Yes	Pass
AX80	6705	Ant0&1	High	6740	7	Yes	Pass
AX80	6705	Ant0&1	High	6740	8	Yes	Pass
AX80	6705	Ant0&1	High	6740	9	Yes	Pass
AX80	6705	Ant0&1	High	6740	10	Yes	Pass

AX80	6945	Ant0&1	Low	6910	1	Yes	Pass
AX80	6945	Ant0&1	Low	6910	2	Yes	Pass
AX80	6945	Ant0&1	Low	6910	3	Yes	Pass
AX80	6945	Ant0&1	Low	6910	4	Yes	Pass
AX80	6945	Ant0&1	Low	6910	5	Yes	Pass
AX80	6945	Ant0&1	Low	6910	6	Yes	Pass
AX80	6945	Ant0&1	Low	6910	7	Yes	Pass
AX80	6945	Ant0&1	Low	6910	8	Yes	Pass
AX80	6945	Ant0&1	Low	6910	9	Yes	Pass
AX80	6945	Ant0&1	Low	6910	10	Yes	Pass
AX80	6945	Ant0&1	Center	6945	1	Yes	Pass
AX80	6945	Ant0&1	Center	6945	2	Yes	Pass
AX80	6945	Ant0&1	Center	6945	3	Yes	Pass
AX80	6945	Ant0&1	Center	6945	4	Yes	Pass
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AX80	6945	Ant0&1	High	6980	4	Yes	Pass
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AX80	6945	Ant0&1	High	6980	6	Yes	Pass
AX80	6945	Ant0&1	High	6980	7	Yes	Pass
AX80	6945	Ant0&1	High	6980	8	Yes	Pass
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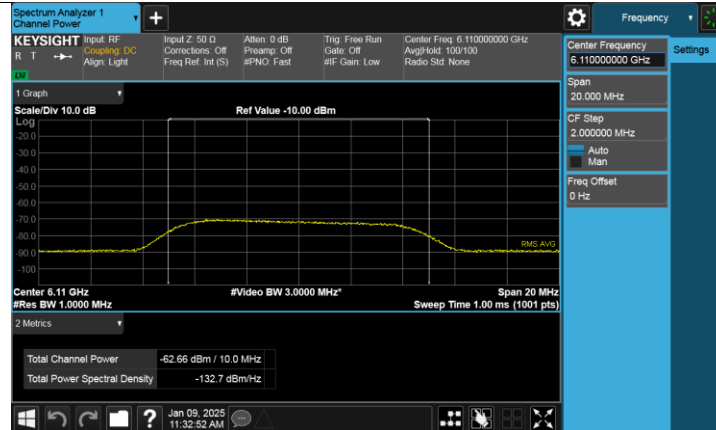
11.7.2. Test Graphs



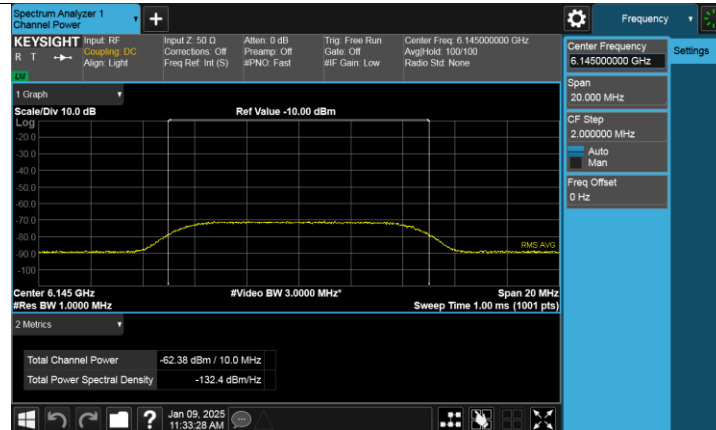
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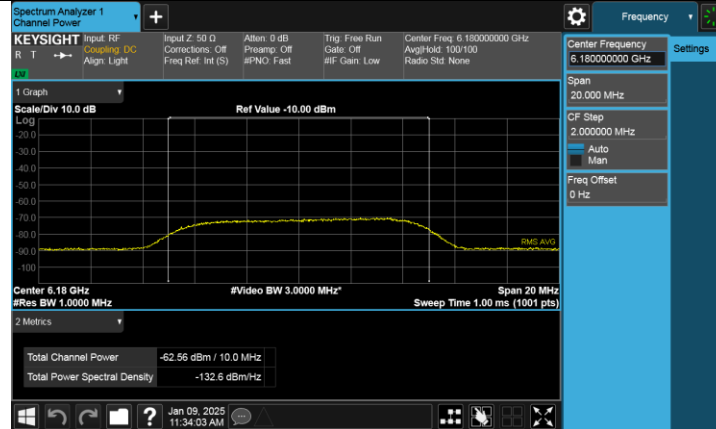
Contention Based Protocol Calibration NVNT AX80 6145MHz Interfere 6110 MHz



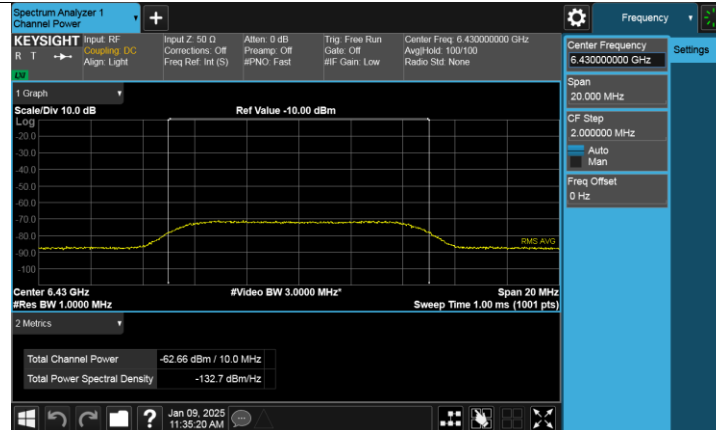
Contention Based Protocol Calibration NVNT AX80 6145MHz Interfere 6145 MHz



Contention Based Protocol Calibration NVNT AX80 6145MHz Interfere 6180 MHz



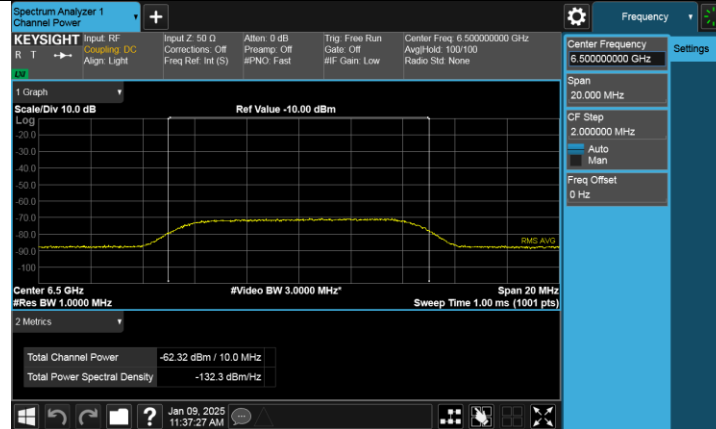
Contention Based Protocol Calibration NVNT AX80 6465MHz Interfere 6430 MHz



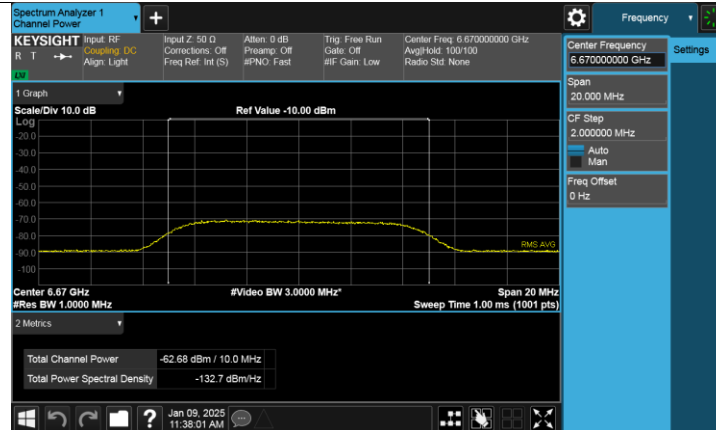
Contention Based Protocol Calibration NVNT AX80 6465MHz Interfere 6465 MHz



Contention Based Protocol Calibration NVNT AX80 6465MHz Interfere 6500 MHz



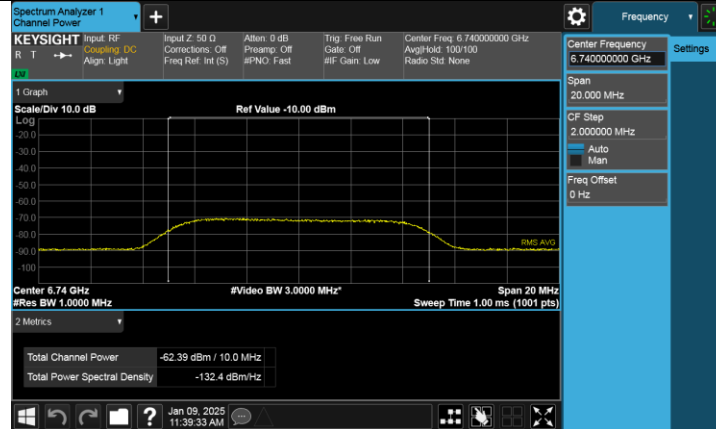
Contention Based Protocol Calibration NVNT AX80 6705MHz Interfere 6670 MHz



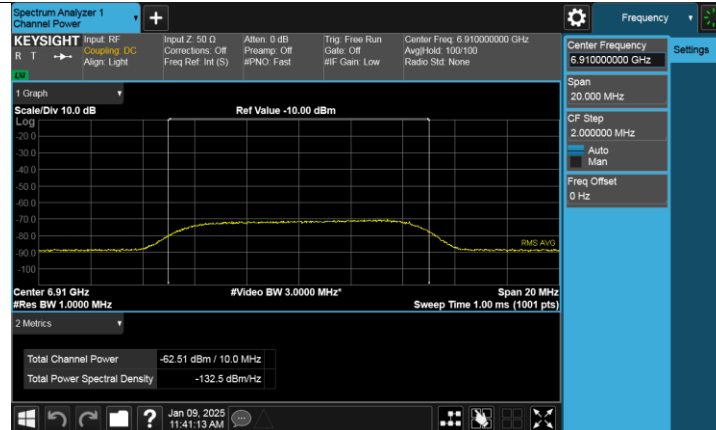
Contention Based Protocol Calibration NVNT AX80 6705MHz Interfere 6705 MHz



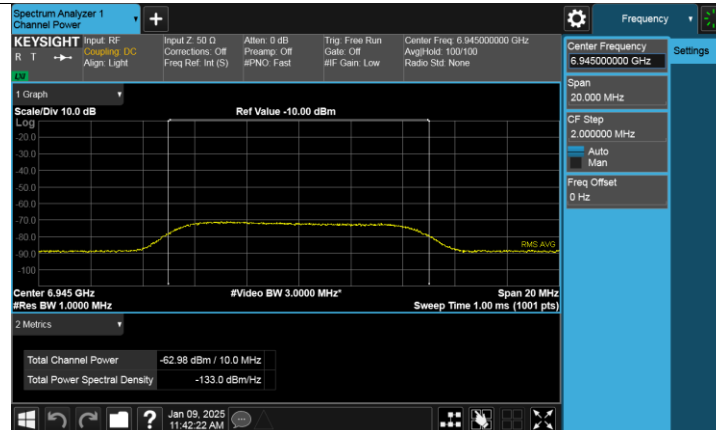
Contention Based Protocol Calibration NVNT AX80 6705MHz Interfere 6740 MHz

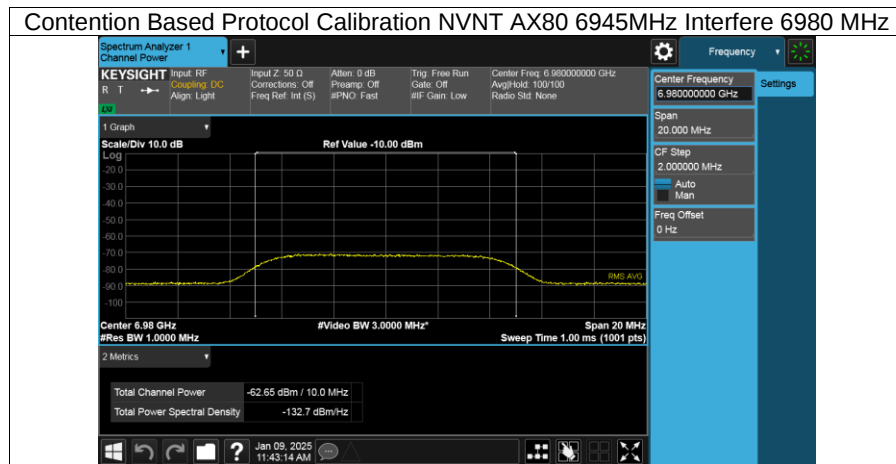


Contention Based Protocol Calibration NVNT AX80 6945MHz Interfere 6910 MHz



Contention Based Protocol Calibration NVNT AX80 6945MHz Interfere 6945 MHz







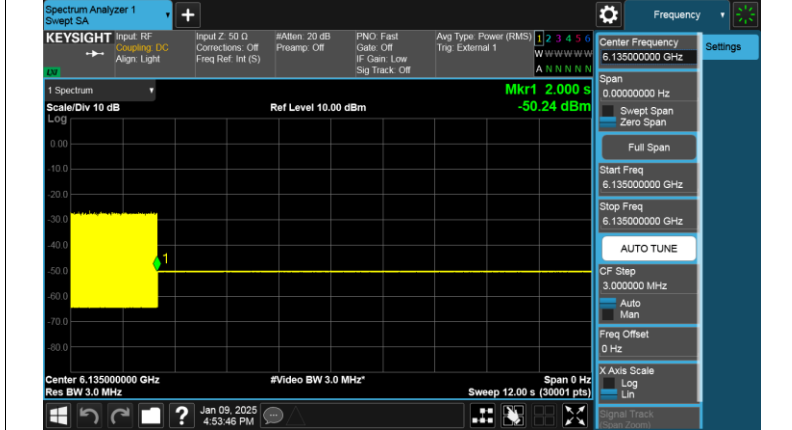
Contention Based Protocol NVNT ax20 6135MHz Interfere 6135 MHz 4



Contention Based Protocol NVNT ax20 6135MHz Interfere 6135 MHz 5



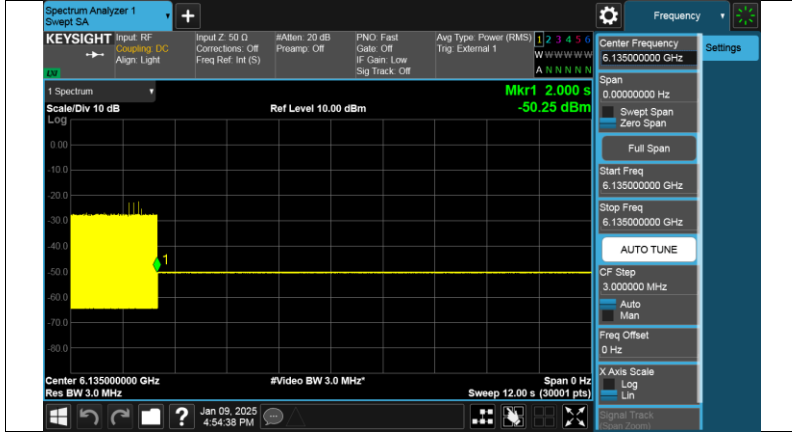
Contention Based Protocol NVNT ax20 6135MHz Interfere 6135 MHz 6



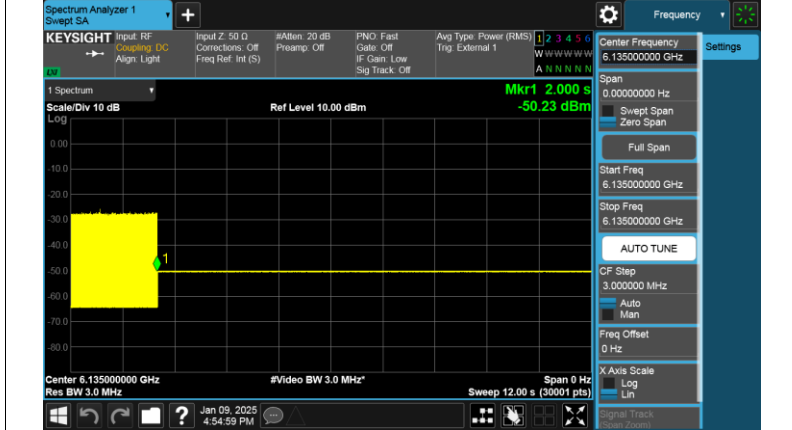
Contention Based Protocol NVNT ax20 6135MHz Interfere 6135 MHz 7



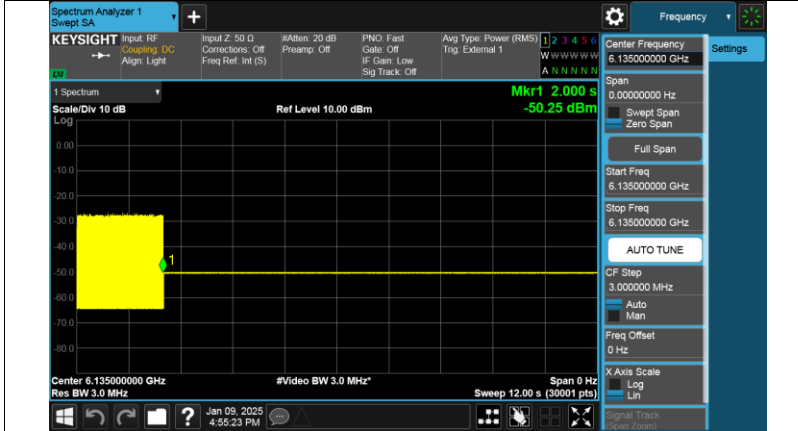
Contention Based Protocol NVNT ax20 6135MHz Interfere 6135 MHz 8



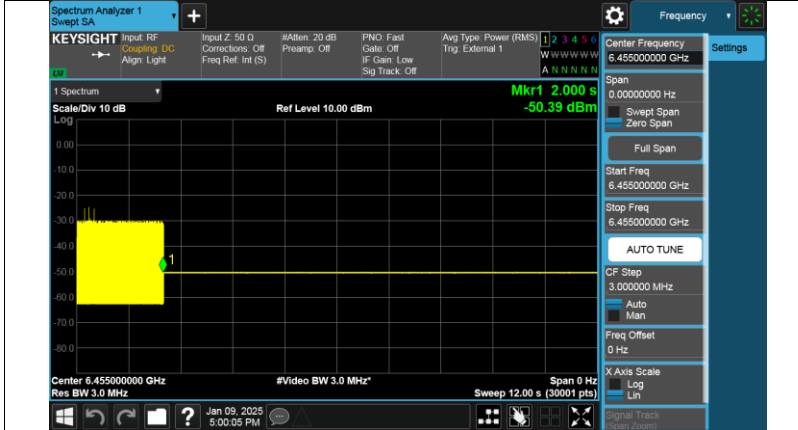
Contention Based Protocol NVNT ax20 6135MHz Interfere 6135 MHz 9



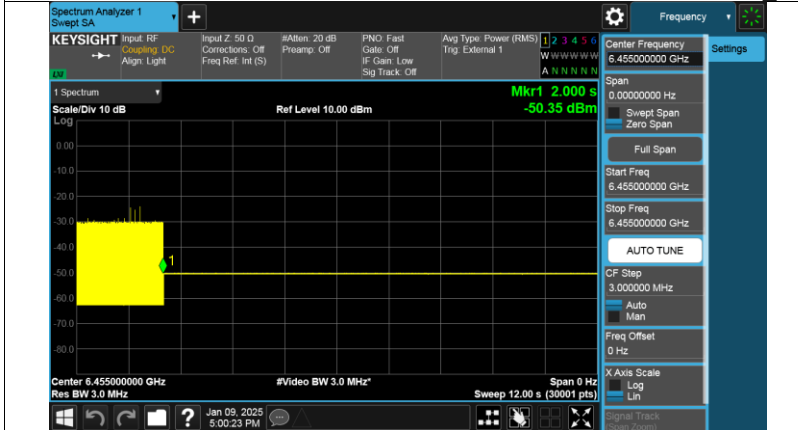
Contention Based Protocol NVNT ax20 6135MHz Interfere 6135 MHz 10



Contention Based Protocol NVNT ax20 6455MHz Interfere 6455 MHz 1



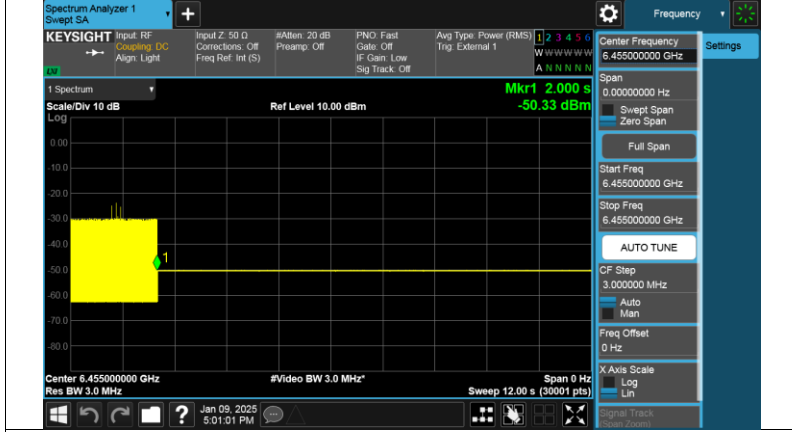
Contention Based Protocol NVNT ax20 6455MHz Interfere 6455 MHz 2



Contention Based Protocol NVNT ax20 6455MHz Interfere 6455 MHz 3



Contention Based Protocol NVNT ax20 6455MHz Interfere 6455 MHz 4



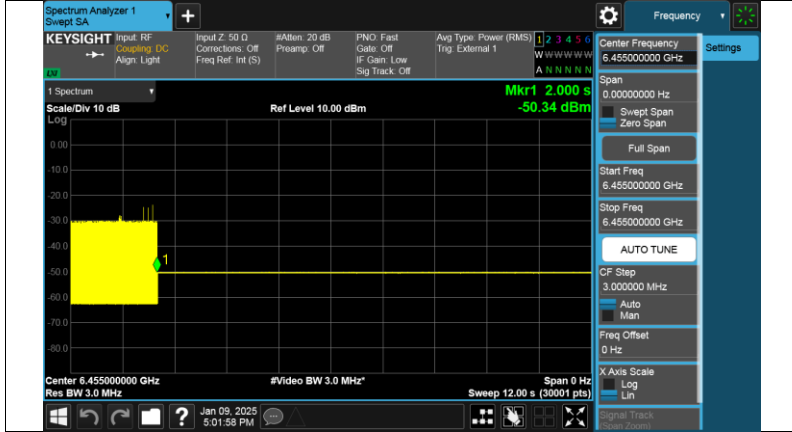
Contention Based Protocol NVNT ax20 6455MHz Interfere 6455 MHz 5



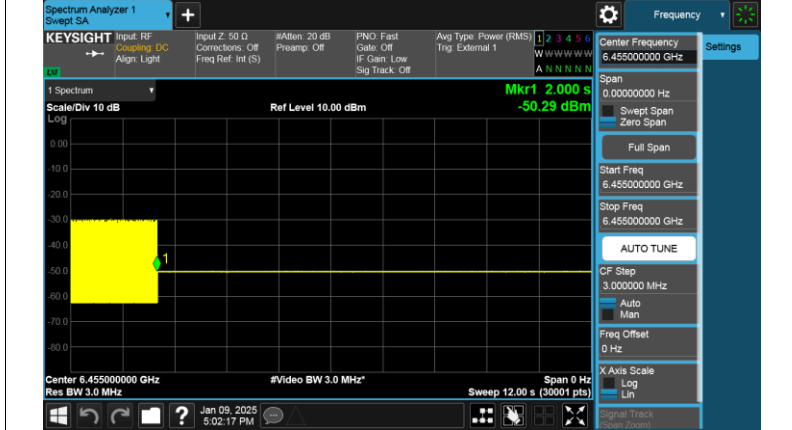
Contention Based Protocol NVNT ax20 6455MHz Interfere 6455 MHz 6

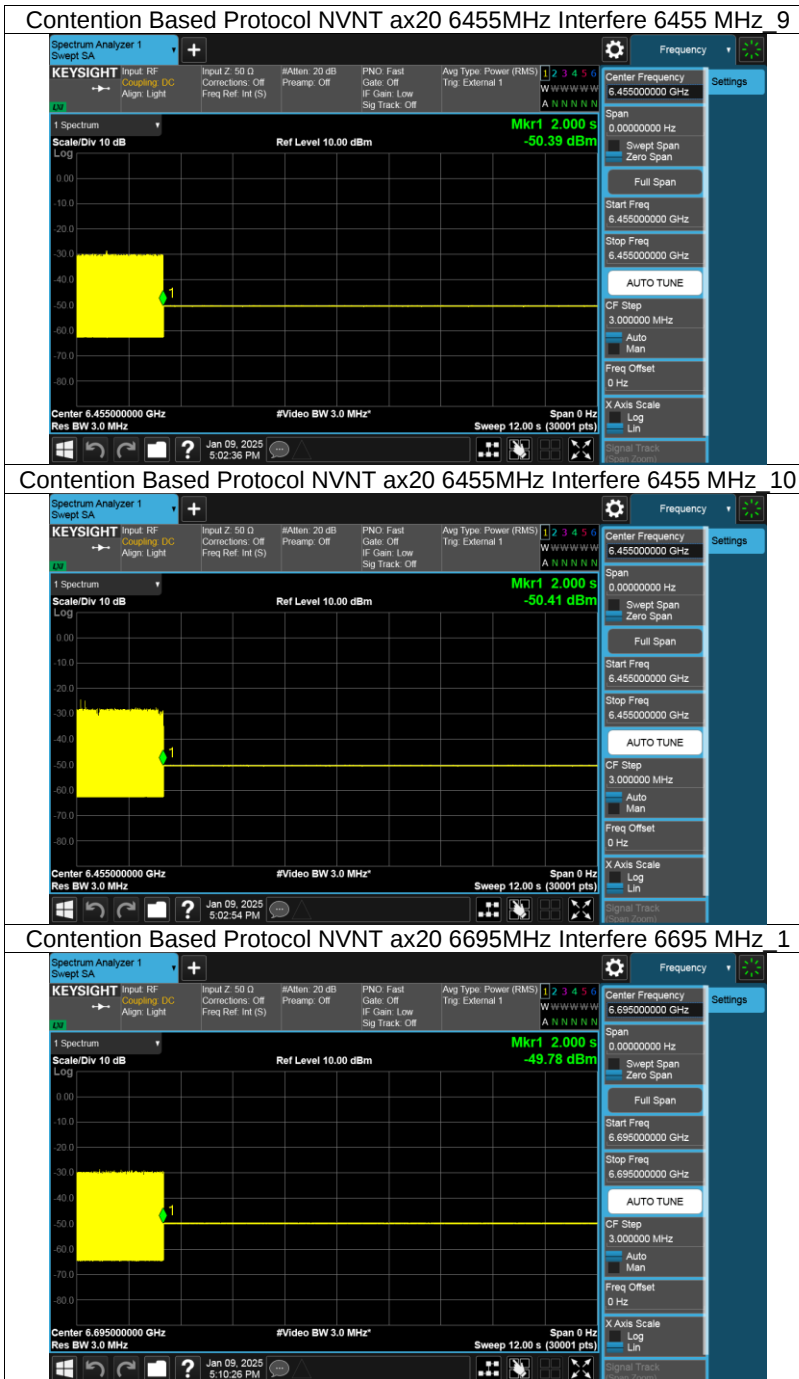


Contention Based Protocol NVNT ax20 6455MHz Interfere 6455 MHz 7

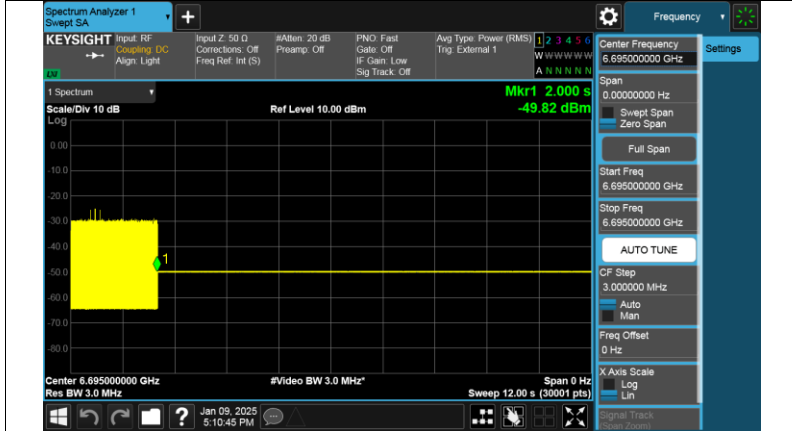


Contention Based Protocol NVNT ax20 6455MHz Interfere 6455 MHz 8





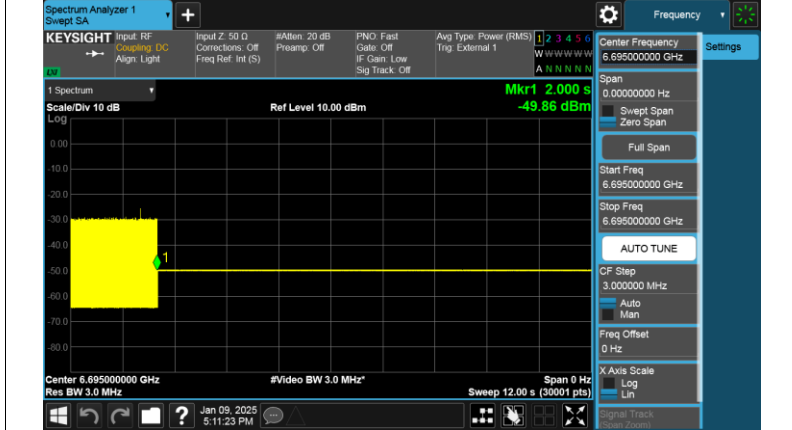
Contention Based Protocol NVNT ax20 6695MHz Interfere 6695 MHz 2



Contention Based Protocol NVNT ax20 6695MHz Interfere 6695 MHz 3



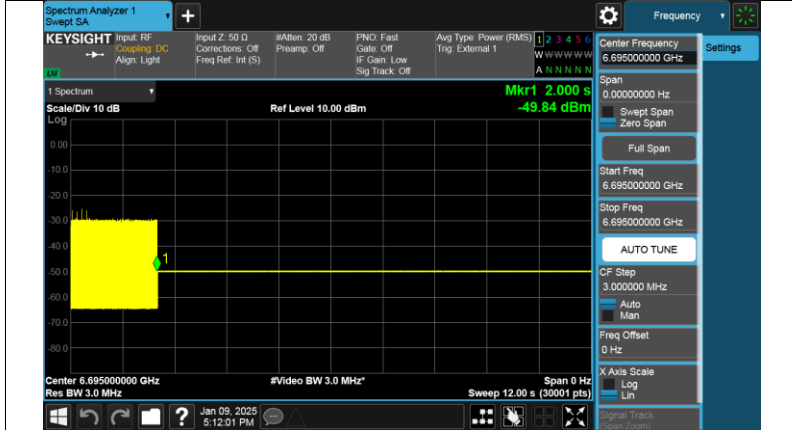
Contention Based Protocol NVNT ax20 6695MHz Interfere 6695 MHz 4



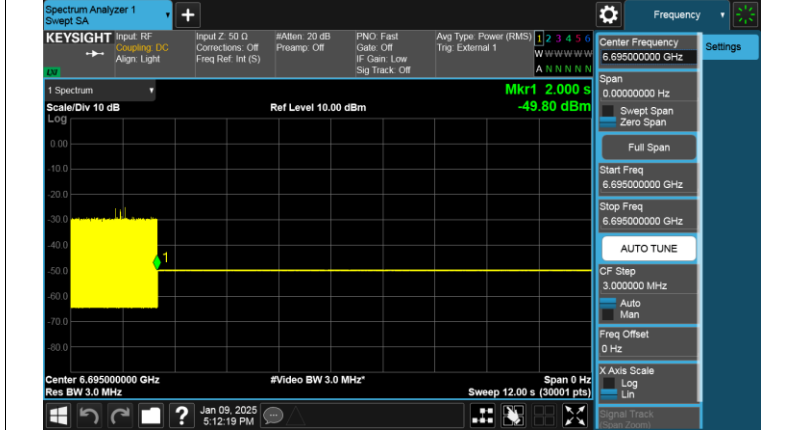
Contention Based Protocol NVNT ax20 6695MHz Interfere 6695 MHz 5



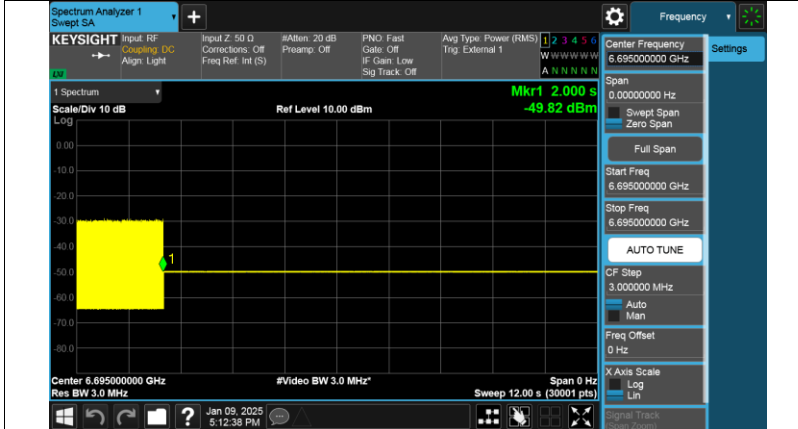
Contention Based Protocol NVNT ax20 6695MHz Interfere 6695 MHz 6



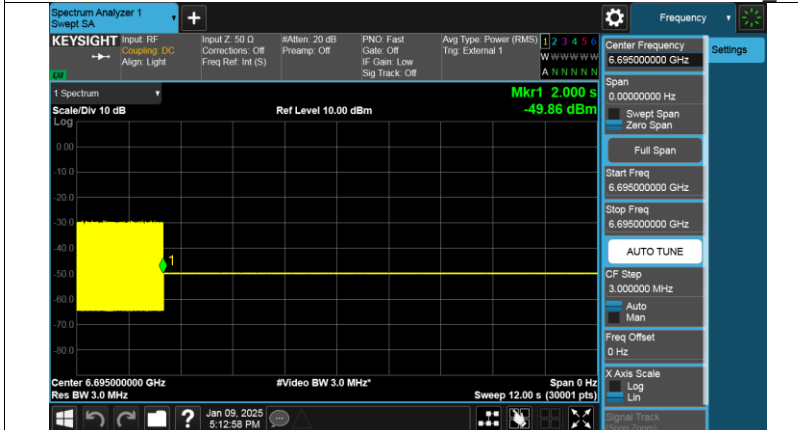
Contention Based Protocol NVNT ax20 6695MHz Interfere 6695 MHz 7



Contention Based Protocol NVNT ax20 6695MHz Interfere 6695 MHz_8



Contention Based Protocol NVNT ax20 6695MHz Interfere 6695 MHz_9



Contention Based Protocol NVNT ax20 6695MHz Interfere 6695 MHz_10



Contention Based Protocol NVNT ax20 7015MHz Interfere 7015 MHz_1



Contention Based Protocol NVNT ax20 7015MHz Interfere 7015 MHz_2



Contention Based Protocol NVNT ax20 7015MHz Interfere 7015 MHz_3



Contention Based Protocol NVNT ax20 7015MHz Interfere 7015 MHz 4



Contention Based Protocol NVNT ax20 7015MHz Interfere 7015 MHz 5



Contention Based Protocol NVNT ax20 7015MHz Interfere 7015 MHz 6

