

4: Maximum power spectral density

4.1 Test Result

TestMode	Ant.	Frequency[MHz]	RawData [dBm/3kHz]	DC Factor	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18	3.42	-14.58	≤8.00	PASS
11B	Ant1	2437	-18.59	3.42	-15.17	≤8.00	PASS
11B	Ant1	2462	-18.88	3.49	-15.39	≤8.00	PASS
11G	Ant1	2412	-24.67	9.13	-15.54	≤8.00	PASS
11G	Ant1	2437	-24.83	9.13	-15.70	≤8.00	PASS
11G	Ant1	2462	-24	9.13	-14.87	≤8.00	PASS
11N20SISO	Ant1	2412	-29.49	5.52	-23.97	≤8.00	PASS
11N20SISO	Ant1	2437	-22.53	5.06	-17.47	≤8.00	PASS
11N20SISO	Ant1	2462	-22	5.06	-16.94	≤8.00	PASS
11N40SISO	Ant1	2422	-29.66	5.16	-24.50	≤8.00	PASS
11N40SISO	Ant1	2437	-25.64	5.16	-20.48	≤8.00	PASS
11N40SISO	Ant1	2452	-26.44	5.16	-21.28	≤8.00	PASS
11AX20SISO	Ant1	2412	-27.71	5.79	-21.92	≤8.00	PASS
11AX20SISO	Ant1	2437	-23.85	5.38	-18.47	≤8.00	PASS
11AX20SISO	Ant1	2462	-23.85	5.38	-18.47	≤8.00	PASS
11AX40SISO	Ant1	2422	-27.12	5.38	-21.74	≤8.00	PASS
11AX40SISO	Ant1	2437	-25.96	5.38	-20.58	≤8.00	PASS
11AX40SISO	Ant1	2452	-25.91	5.38	-20.53	≤8.00	PASS

Note: RF Conducted test Offset= cable loss+ Attenuator

4.2 Test Graphs



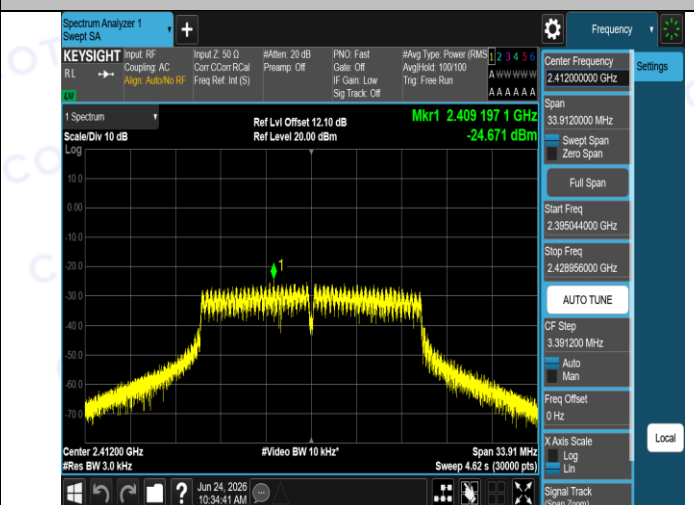
11B-Ant1-2412-PASS



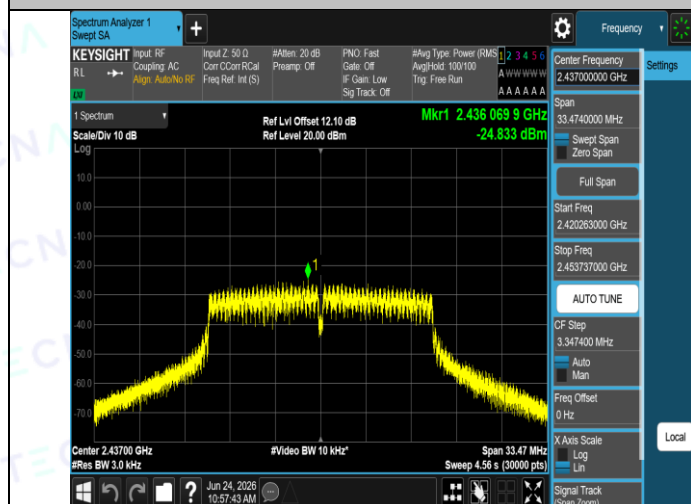
11B-Ant1-2437-PASS



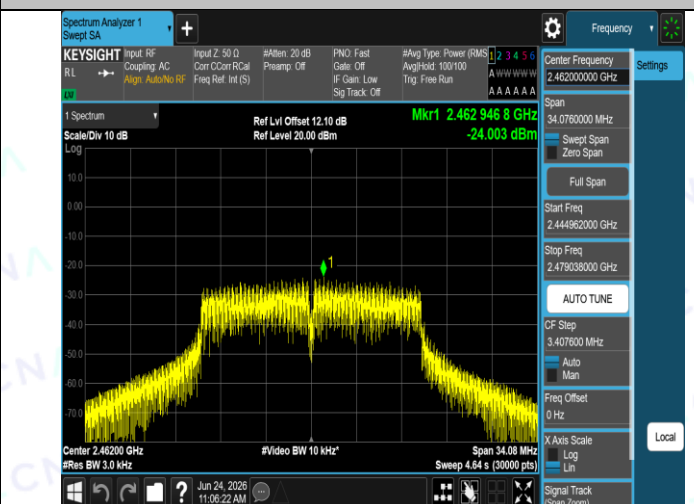
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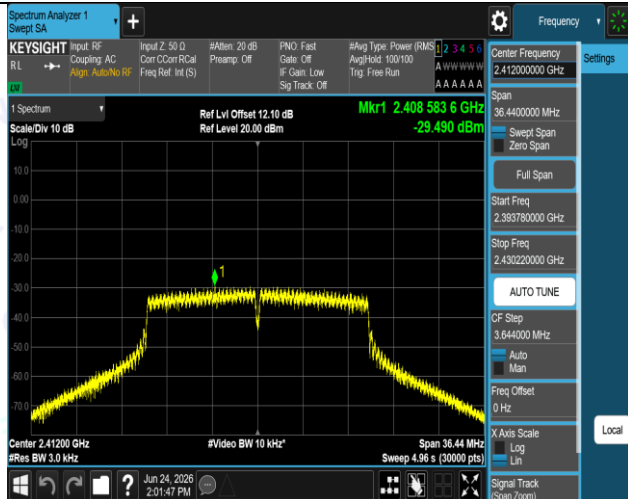
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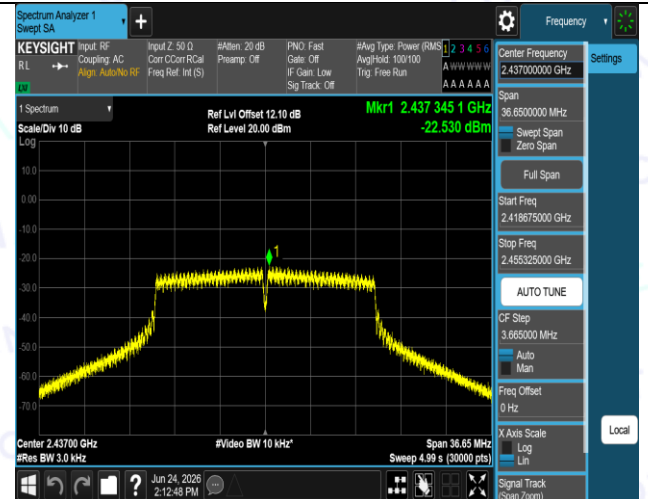
11G-Ant1-2437-PASS



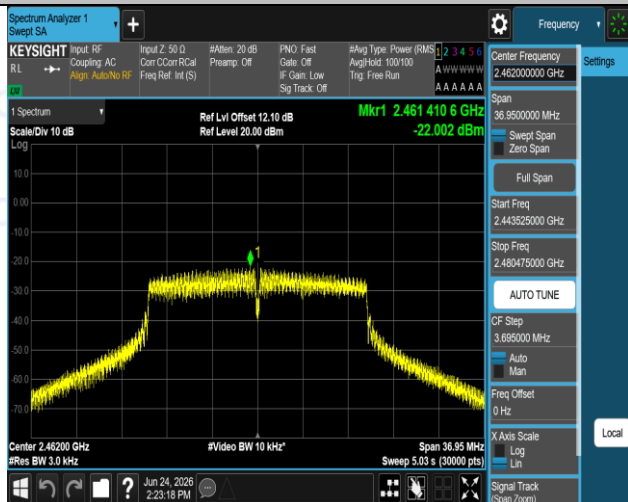
11G-Ant1-2462-PASS



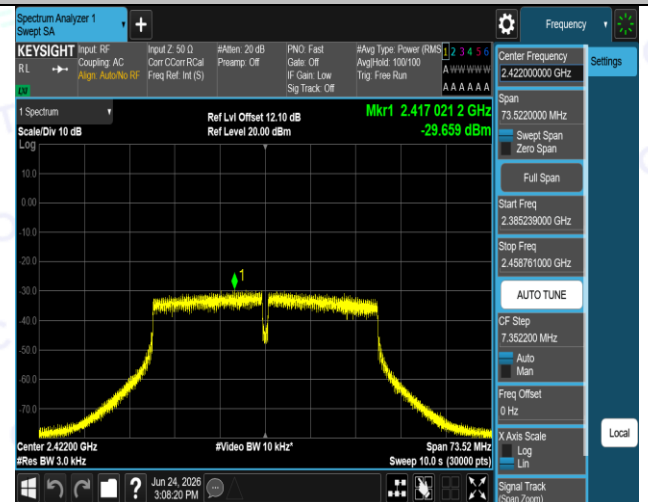
11N20SISO-Ant1-2412-PASS



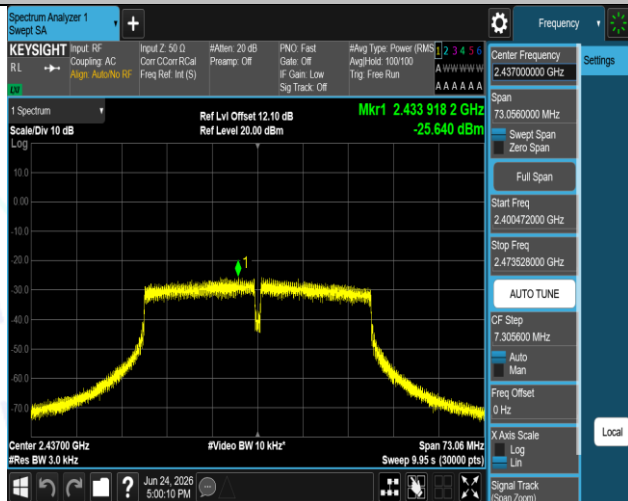
11N20SISO-Ant1-2437-PASS



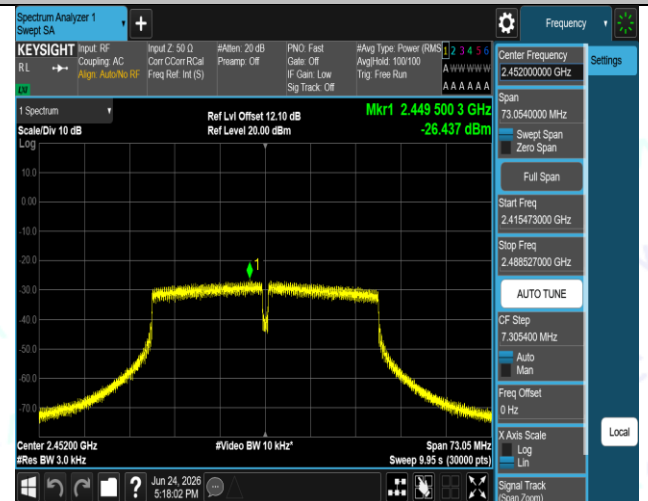
11N20SISO-Ant1-2462-PASS



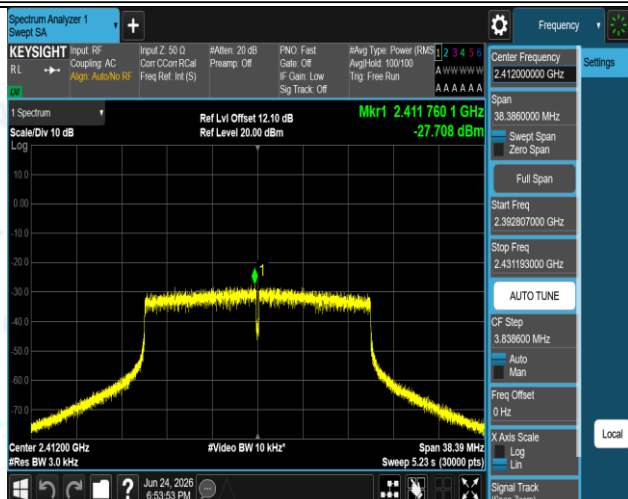
11N40SISO-Ant1-2422-PASS



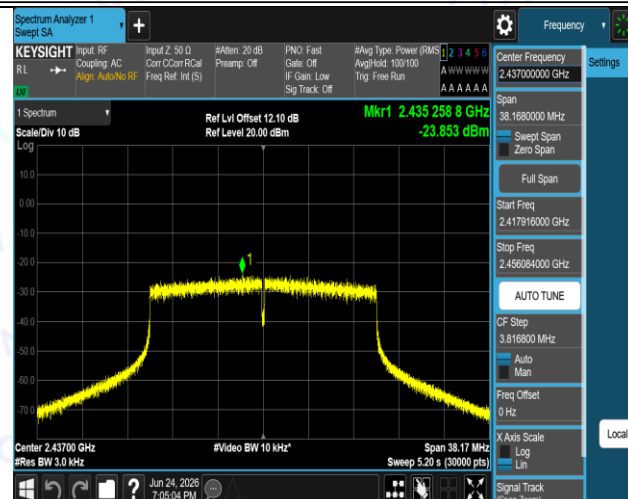
11N40SISO-Ant1-2437-PASS



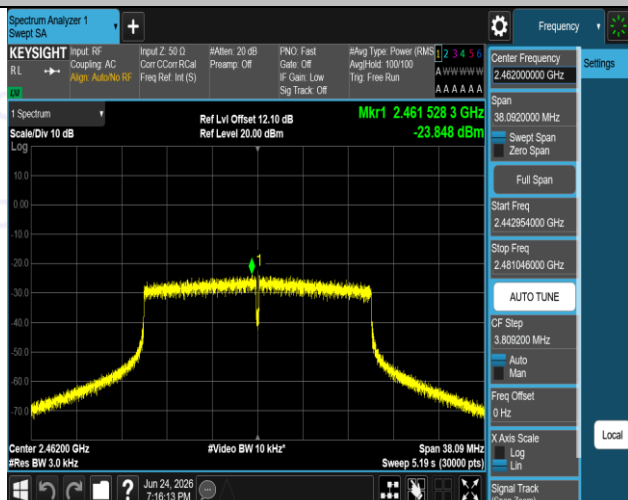
11N40SISO-Ant1-2452-PASS



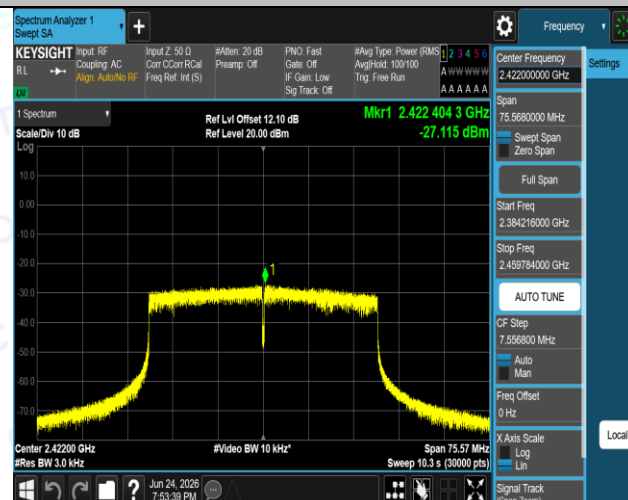
11AX20SISO-Ant1-2412-PASS



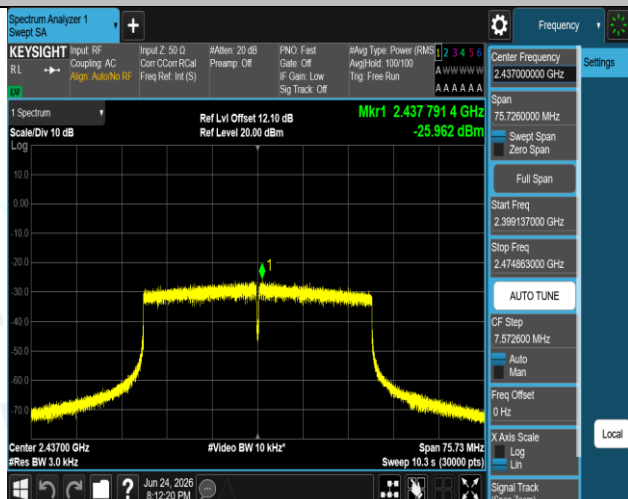
11AX20SISO-Ant1-2437-PASS



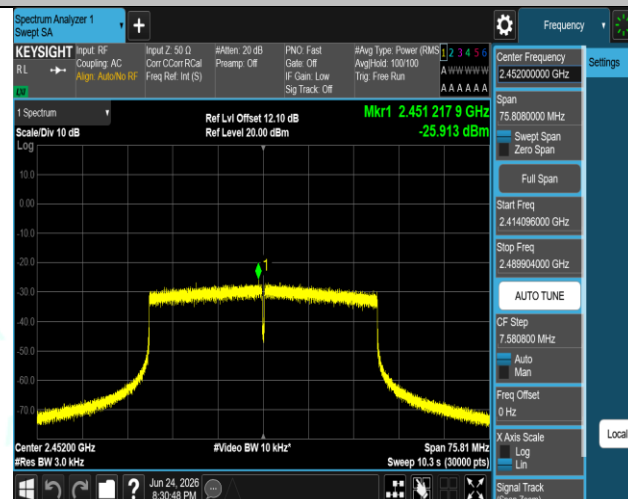
11AX20SISO-Ant1-2462-PASS



11AX20SISO-Ant1-2422-PASS



11AX40SISO-Ant1-2437-PASS



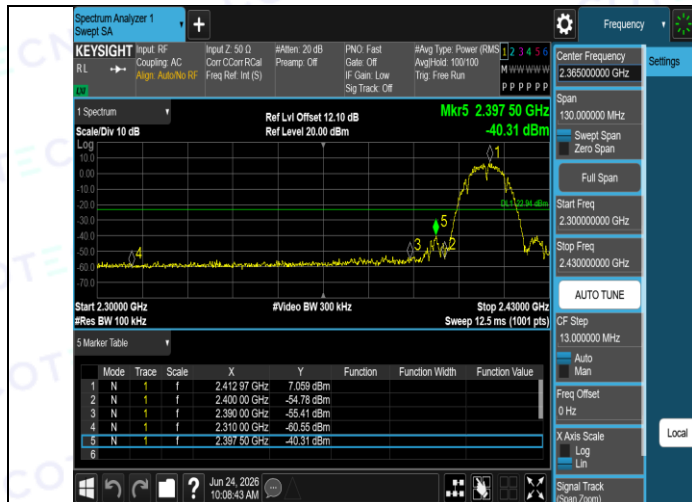
11AX40SISO-Ant1-2452-PASS

5: Band edge measurements

5.1 Test Result

TestMode	Ant.	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.06	-40.31	≤-22.94	PASS
11B	Ant1	High	2462	6.45	-52.6	≤-23.55	PASS
11G	Ant1	Low	2412	2.59	-27.54	≤-27.41	PASS
11G	Ant1	High	2462	1.73	-46.93	≤-28.27	PASS
11N20SISO	Ant1	Low	2412	0.88	-30.81	≤-29.12	PASS
11N20SISO	Ant1	High	2462	3.23	-42.83	≤-26.77	PASS
11N40SISO	Ant1	Low	2422	-3.02	-34.31	≤-33.02	PASS
11N40SISO	Ant1	High	2452	-0.89	-39.64	≤-30.89	PASS
11AX20SISO	Ant1	Low	2412	-0.92	-31.98	≤-30.92	PASS
11AX20SISO	Ant1	High	2462	3.76	-43.42	≤-26.24	PASS
11AX40SISO	Ant1	Low	2422	1.00	-31.78	≤-29	PASS
11AX40SISO	Ant1	High	2452	0.43	-37.41	≤-29.57	PASS

5.2 Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2462-PASS



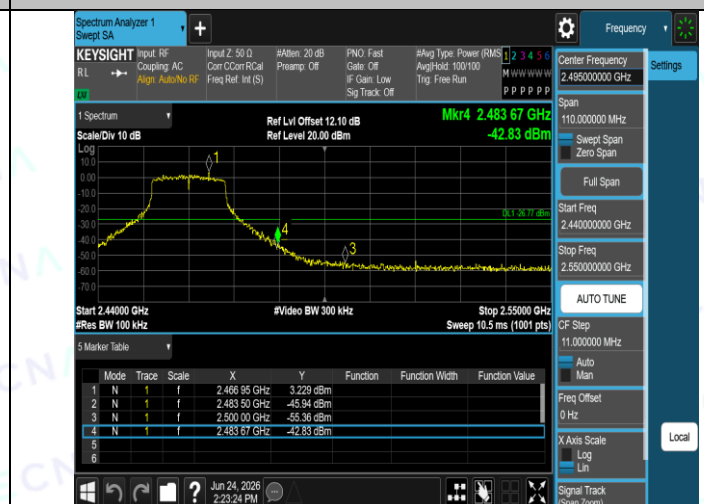
11G-Ant1-2412-PASS



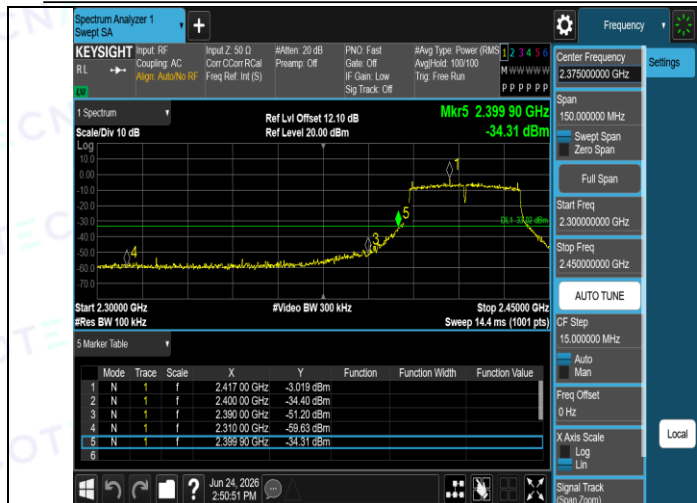
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



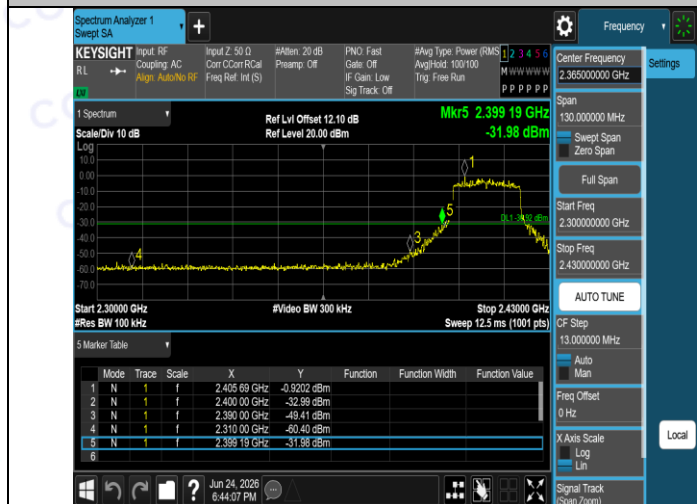
11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS



11AX20SISO-Ant1-2412-PASS



11AX20SISO-Ant1-2462-PASS



11AX40SISO-Ant1-2422-PASS



11AX40SISO-Ant1-2452-PASS

6: Conducted Spurious Emission

6.1 Test Result

TestMode	Ant.	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
TestMode	Antenna	Channel	FreqRange	RefLevel	Result	Limit	Verdict

6.2 Test Graphs

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7: Duty Cycle

7.1 Test Result

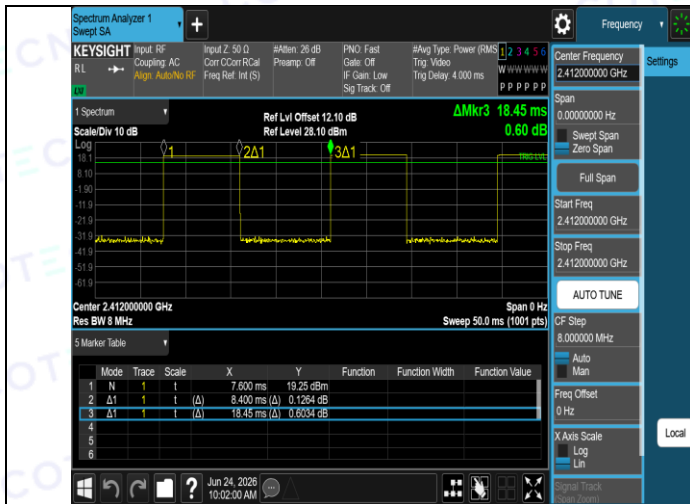
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor	1/T [kHz]
11B	Ant1	2412	8.40	18.45	45.53	3.42	0.12
11B	Ant1	2437	8.40	18.45	45.53	3.42	0.12
11B	Ant1	2462	8.40	18.75	44.80	3.49	0.12
11G	Ant1	2412	1.40	11.45	12.23	9.13	0.71
11G	Ant1	2437	1.40	11.45	12.23	9.13	0.71
11G	Ant1	2462	1.40	11.45	12.23	9.13	0.71
11N20SISO	Ant1	2412	4.60	16.40	28.05	5.52	0.22
11N20SISO	Ant1	2437	4.55	14.60	31.16	5.06	0.22
11N20SISO	Ant1	2462	4.55	14.60	31.16	5.06	0.22
11N40SISO	Ant1	2422	4.40	14.45	30.45	5.16	0.23
11N40SISO	Ant1	2437	4.40	14.45	30.45	5.16	0.23
11N40SISO	Ant1	2452	4.40	14.45	30.45	5.16	0.23
11AX20SISO	Ant1	2412	4.10	15.55	26.37	5.79	0.24
11AX20SISO	Ant1	2437	4.10	14.15	28.98	5.38	0.24
11AX20SISO	Ant1	2462	4.10	14.15	28.98	5.38	0.24
11AX40SISO	Ant1	2422	4.10	14.15	28.98	5.38	0.24
11AX40SISO	Ant1	2437	4.10	14.15	28.98	5.38	0.24
11AX40SISO	Ant1	2452	4.10	14.15	28.98	5.38	0.24

Note: 1, Duty Cycle= Transmission Duration/ Transmission Period

2, DC Factor= $10 \cdot \log_{10}(1/\text{Duty Cycle})$

3, $1/T = 1/\text{Transmission Duration}$

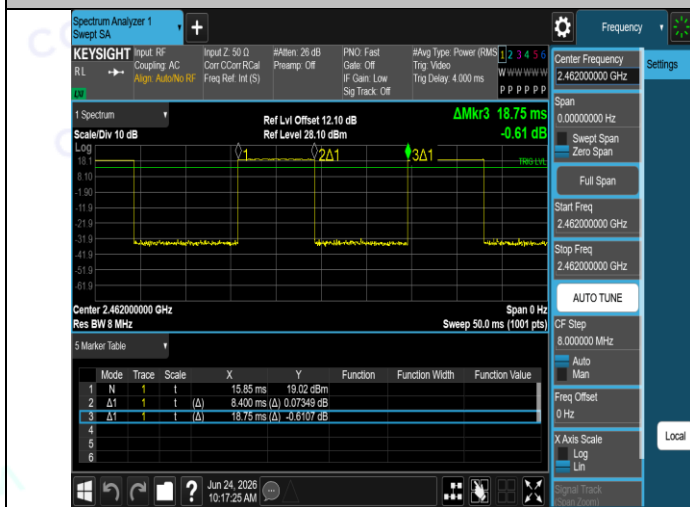
7.2 Test Graphs



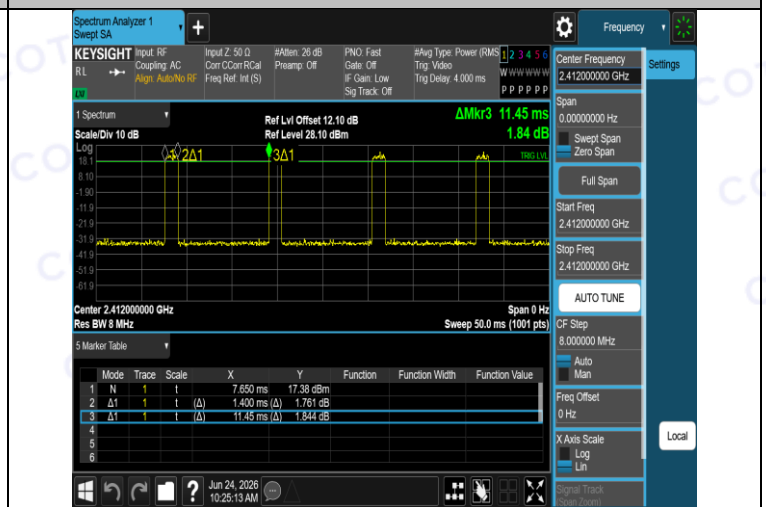
NTNV-11B-Ant1-2412



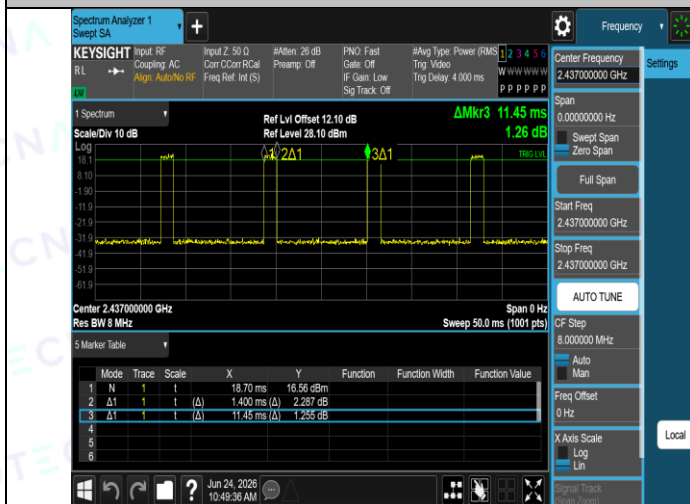
NTNV-11B-Ant1-2437



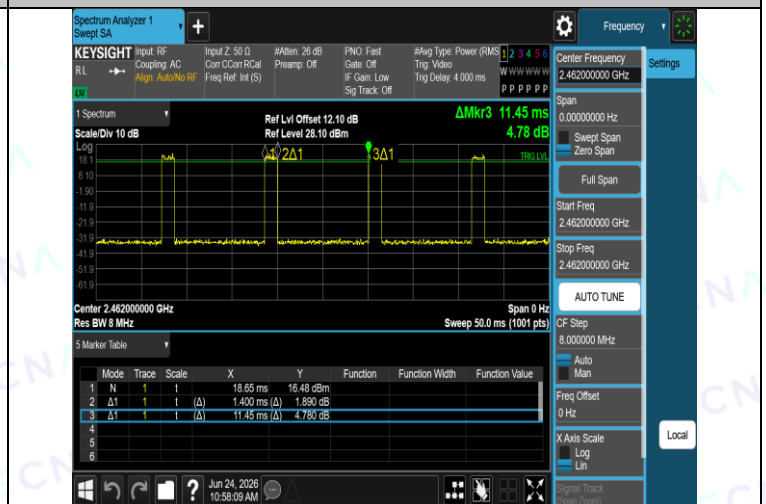
NTNV-11B-Ant1-2462



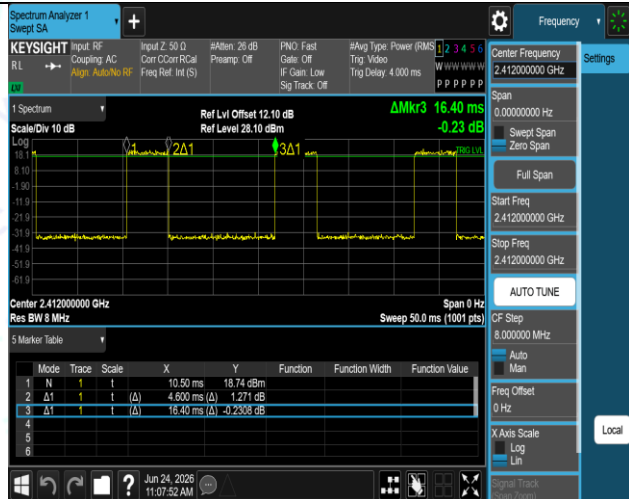
NTNV-11G-Ant1-2412



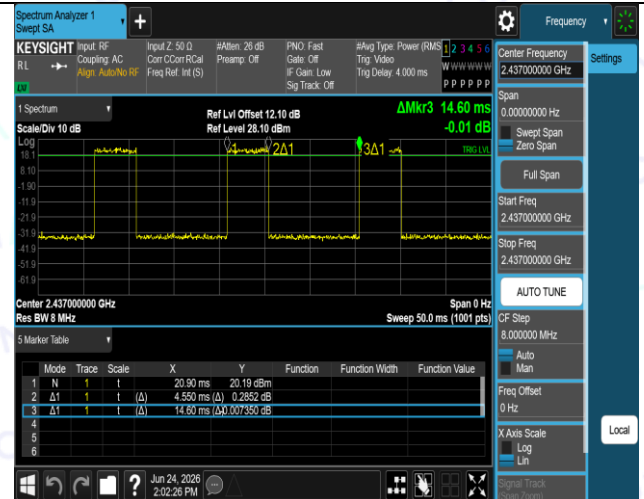
NTNV-11G-Ant1-2437



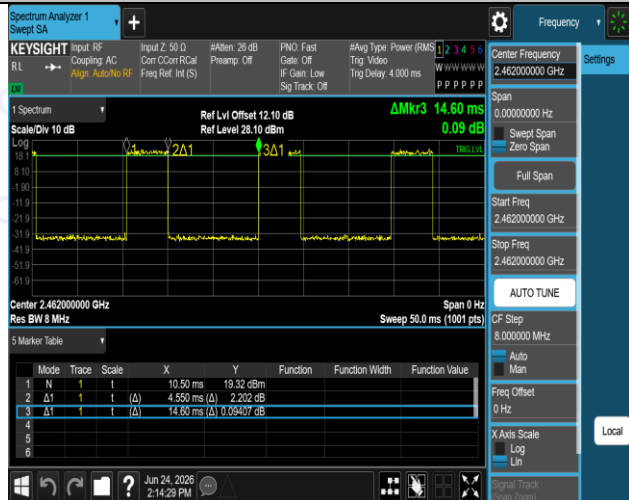
NTNV-11G-Ant1-2462



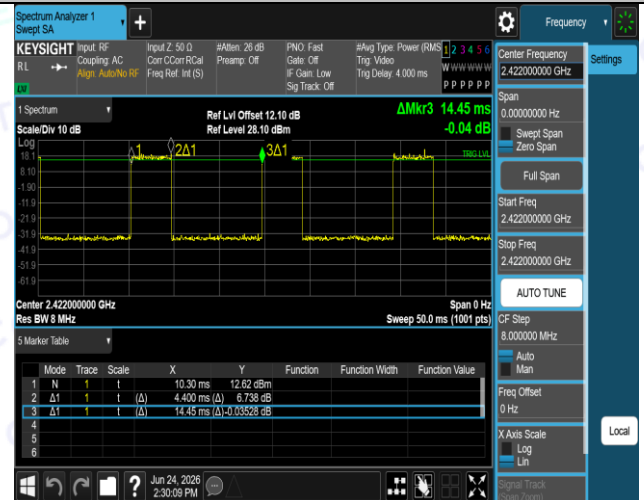
NTNV-11N20SISO-Ant1-2412



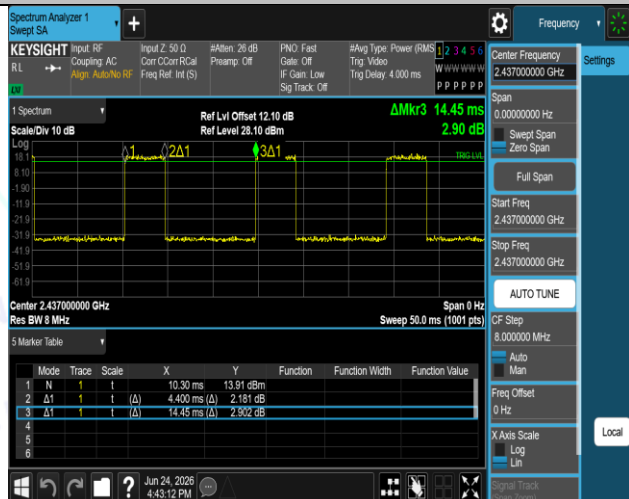
NTNV-11N20SISO-Ant1-2437



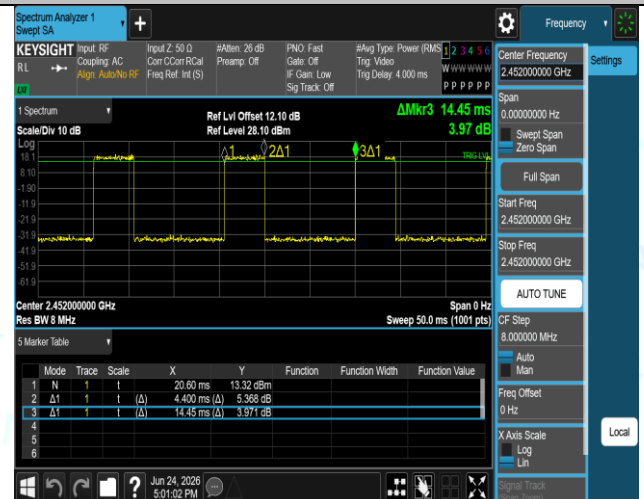
NTNV-11N20SISO-Ant1-2462



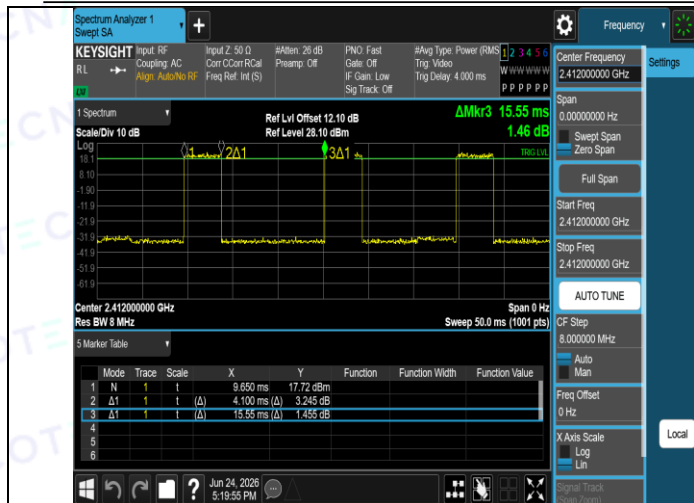
NTNV-11N40SISO-Ant1-2422



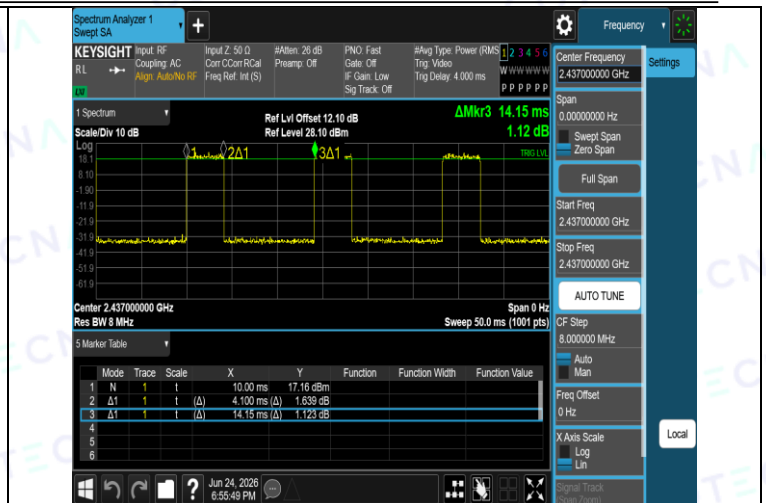
NTNV-11N40SISO-Ant1-2437



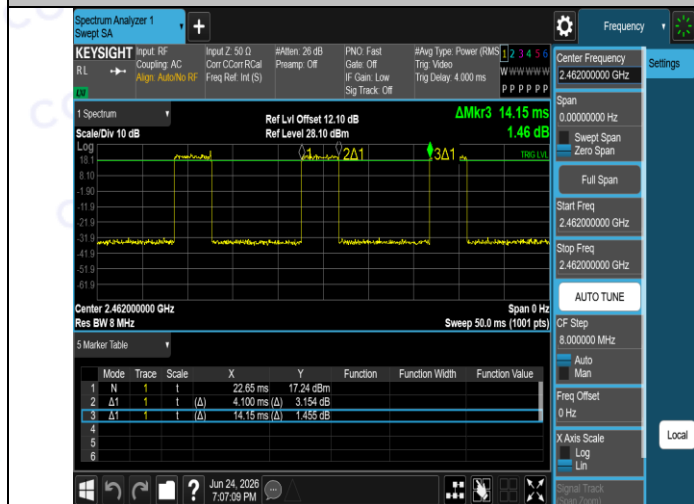
NTNV-11N40SISO-Ant1-2452



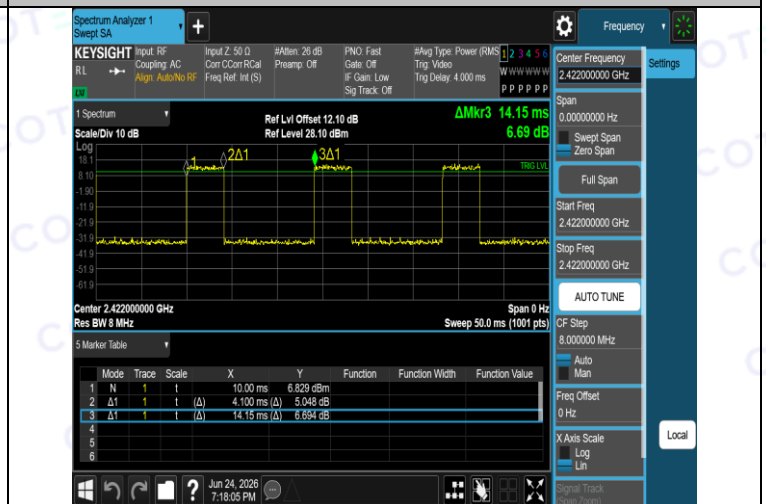
NTNV-11AX20SISO-Ant1-2412



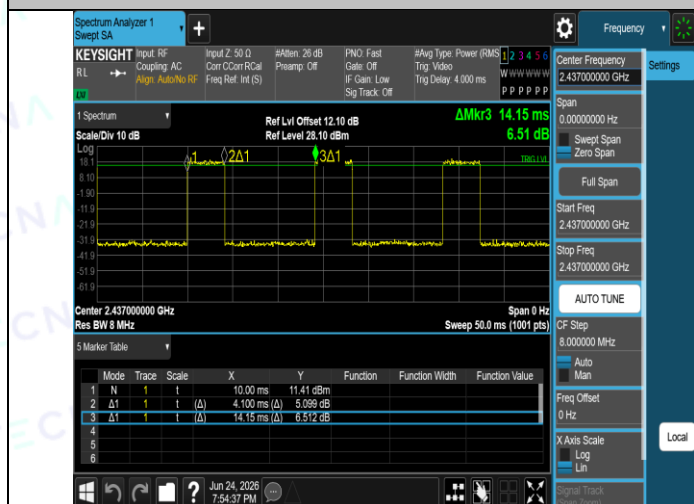
NTNV-11AX20SISO-Ant1-2437



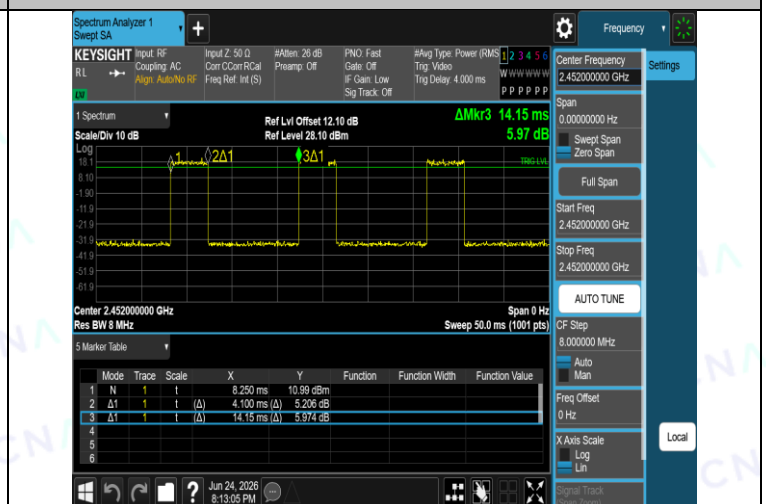
NTNV-11AX20SISO-Ant1-2462



NTNV-11AX40SISO-Ant1-2422



NTNV-11AX40SISO-Ant1-2437



NTNV-11AX40SISO-Ant1-2452

-----END OF THE REPORT-----