

RF Test Data for WLAN(2.4G) (Conducted Measurement)**Product Name: DASH CAM****Trade Mark: PRUVEEO****Test Model: D30****FCC ID: 2A5QB-D30****Environmental Conditions**

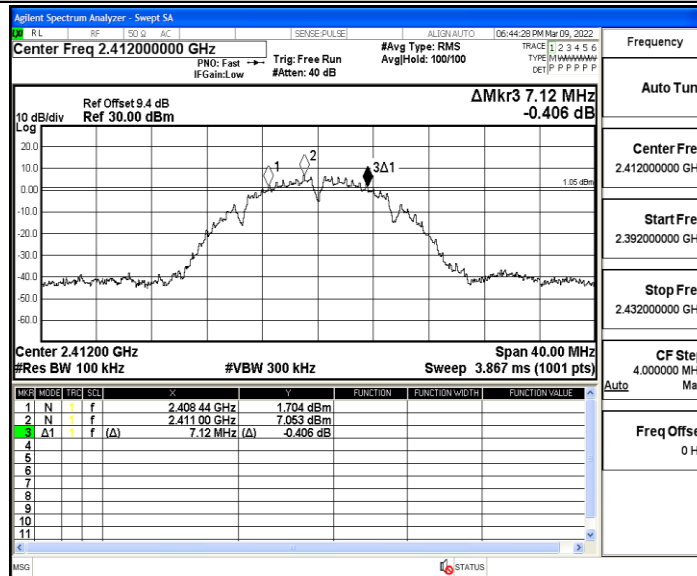
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth**Test Result**

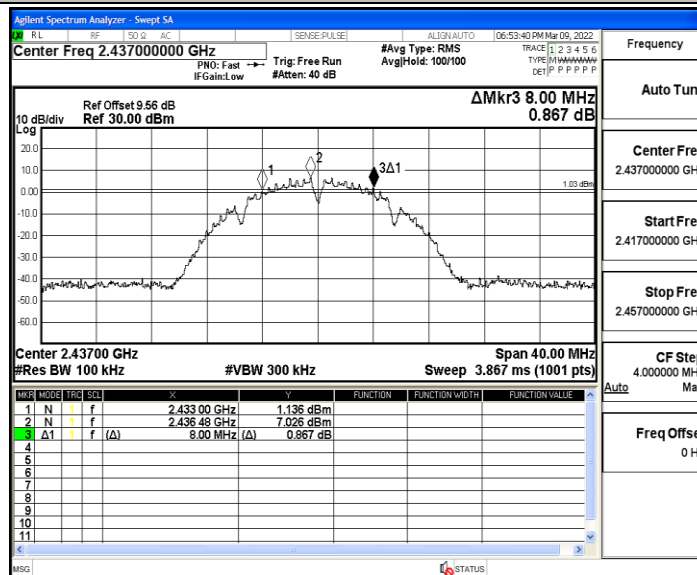
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.120	2408.440	2415.560	0.5	PASS
		2437	8.000	2433.000	2441.000	0.5	PASS
		2462	8.040	2457.960	2466.000	0.5	PASS
11G	Ant1	2412	13.800	2405.720	2419.520	0.5	PASS
		2437	15.840	2428.880	2444.720	0.5	PASS
		2462	15.320	2454.440	2469.760	0.5	PASS
11N20SISO	Ant1	2412	12.800	2406.720	2419.520	0.5	PASS
		2437	15.240	2429.240	2444.480	0.5	PASS
		2462	17.520	2453.240	2470.760	0.5	PASS
11N40SISO	Ant1	2422	35.040	2404.480	2439.520	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	33.840	2435.680	2469.520	0.5	PASS

Test Graphs

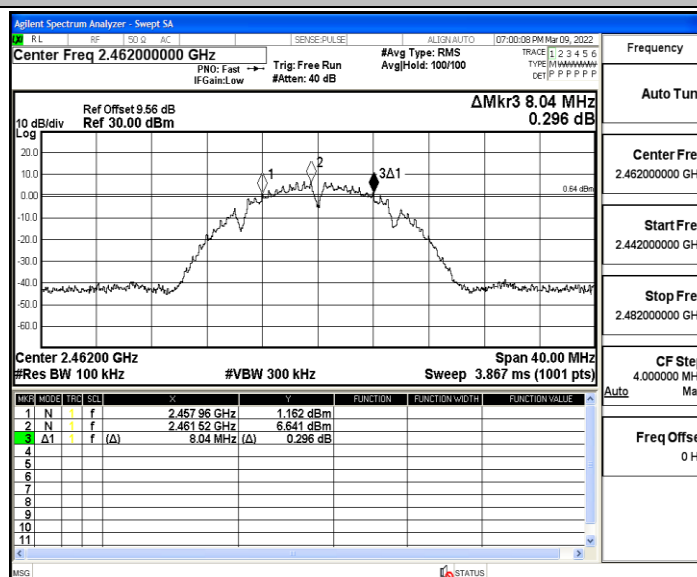
11B_Ant1_2412



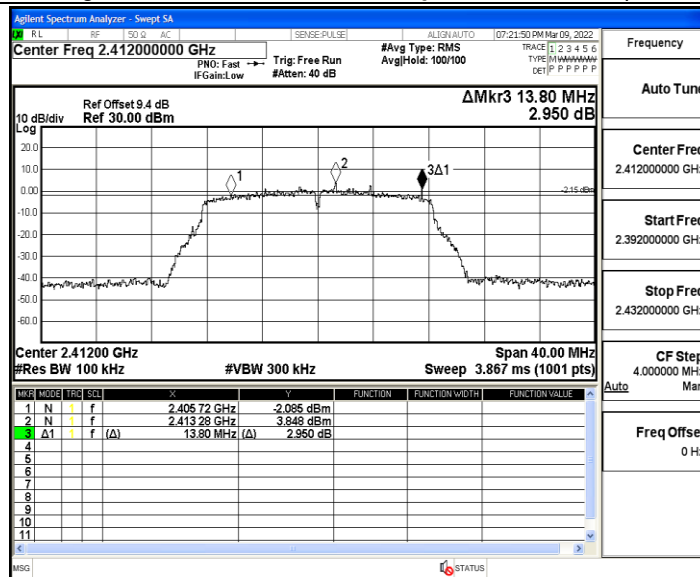
11B_Ant1_2437



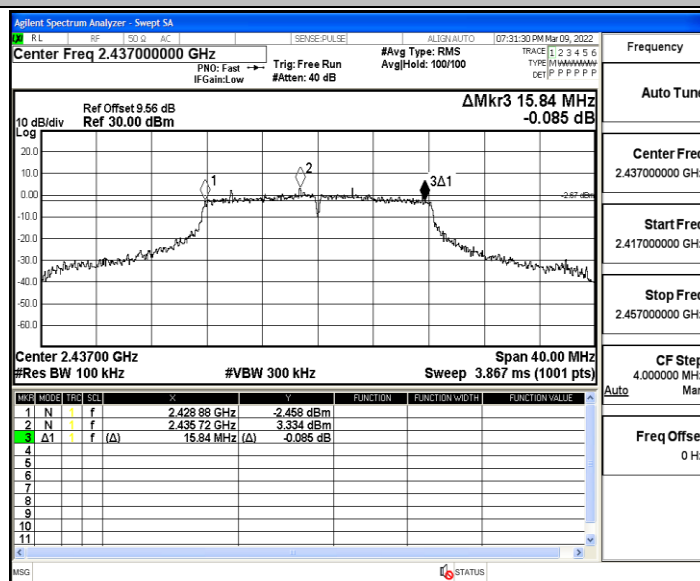
11B_Ant1_2462



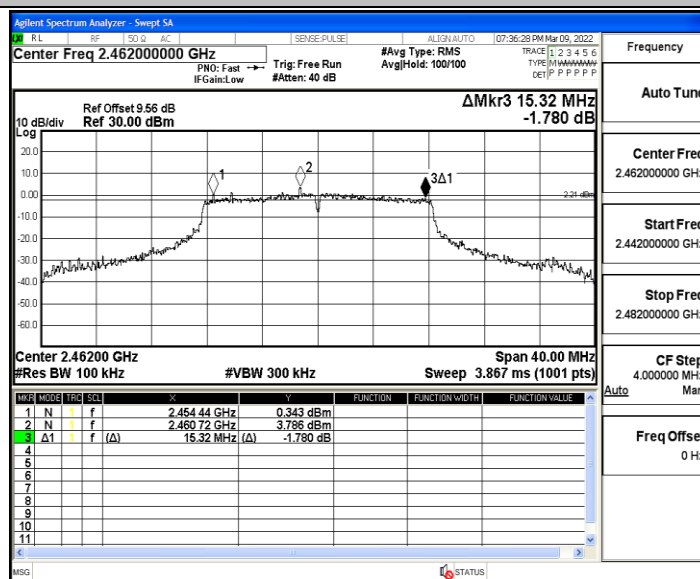
11G_Ant1_2412



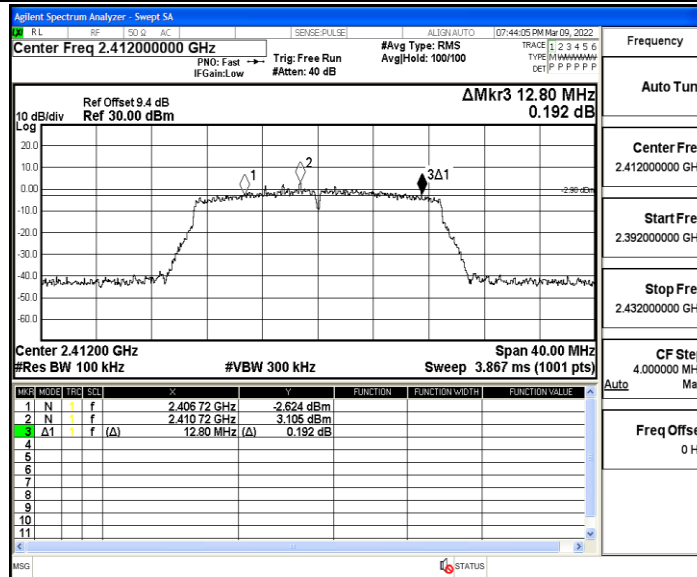
11G_Ant1_2437



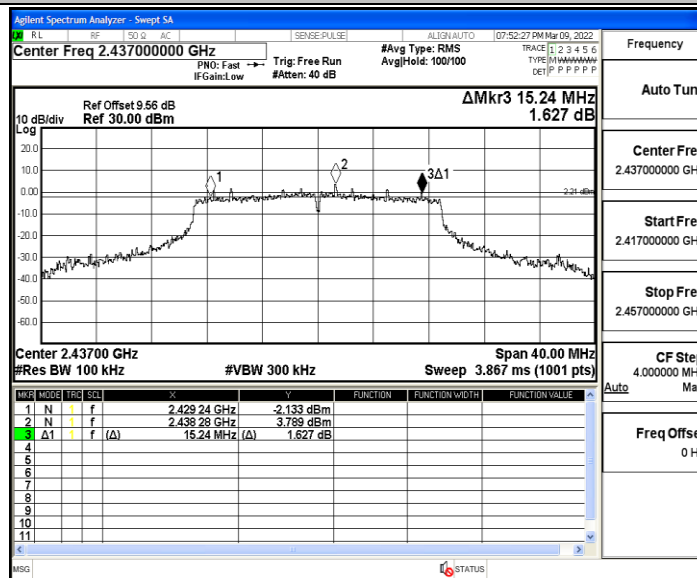
11G_Ant1_2462



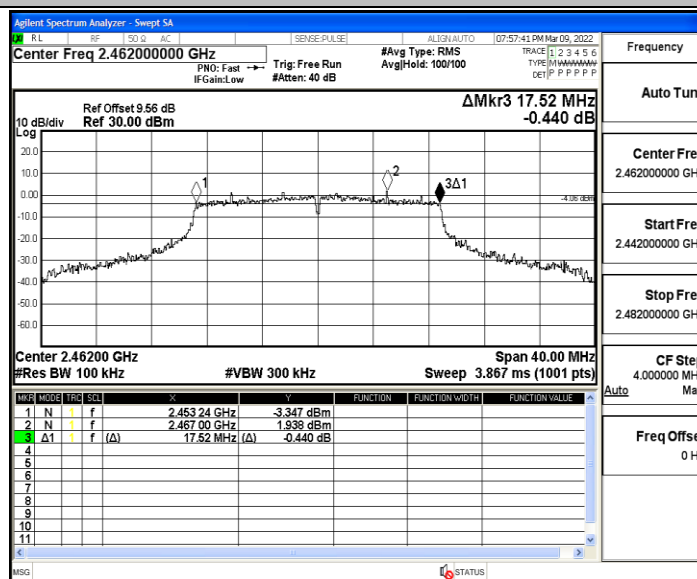
11N20MIMO_Ant1_2412



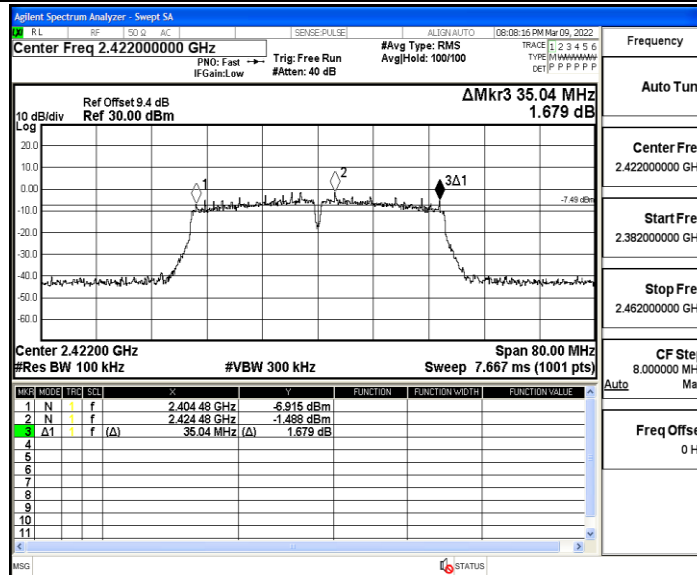
11N20MIMO_Ant1_2437



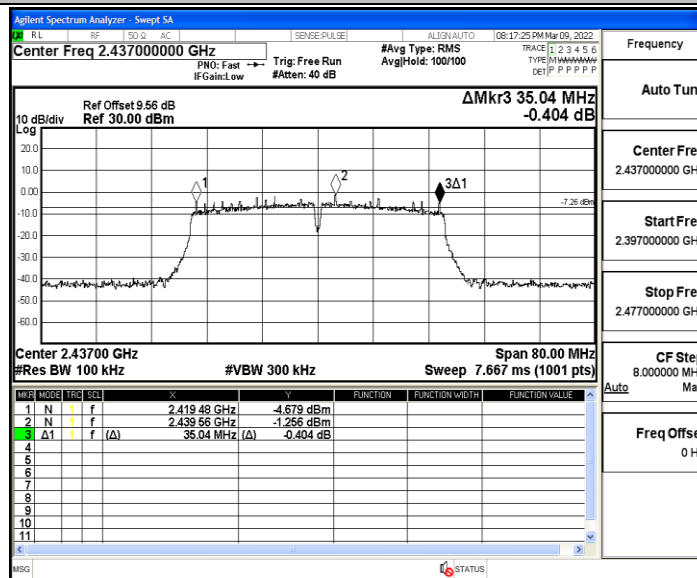
11N20MIMO_Ant1_2462



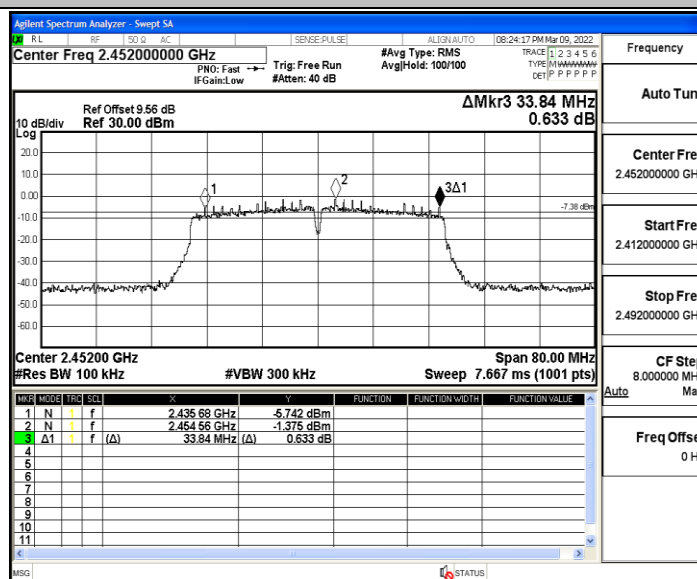
11N40MIMO_Ant1_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant1_2452



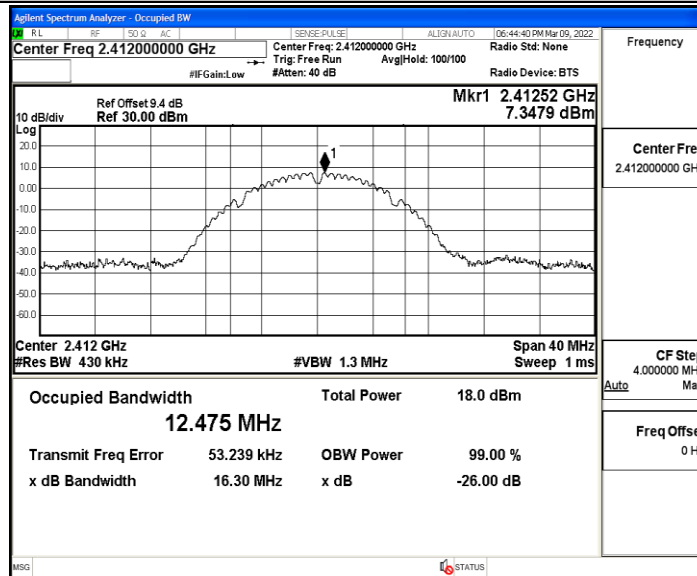
Appendix B: Occupied Channel Bandwidth

Test Result

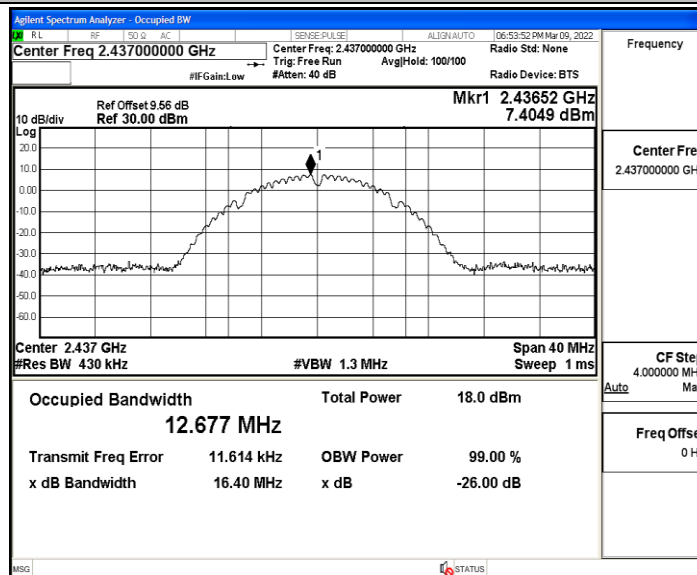
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.475	2405.816	2418.291	---	PASS
		2437	12.677	2430.673	2443.350	---	PASS
		2462	12.622	2455.744	2468.366	---	PASS
11G	Ant1	2412	16.694	2403.712	2420.406	---	PASS
		2437	17.665	2428.132	2445.797	---	PASS
		2462	17.598	2453.214	2470.812	---	PASS
11N20SISO	Ant1	2412	17.752	2403.144	2420.896	---	PASS
		2437	18.673	2427.646	2446.319	---	PASS
		2462	18.672	2452.704	2471.376	---	PASS
11N40SISO	Ant1	2422	36.046	2404.065	2440.111	---	PASS
		2437	36.055	2419.037	2455.092	---	PASS
		2452	36.221	2433.968	2470.189	---	PASS

Test Graphs

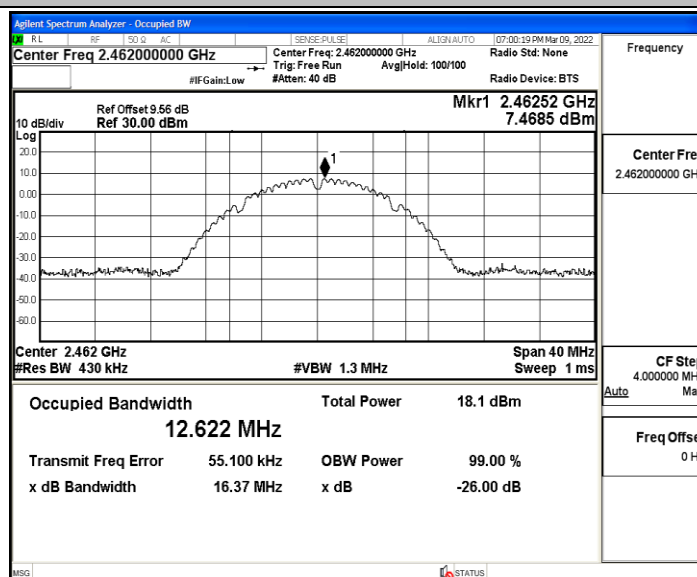
11B_Ant1_2412



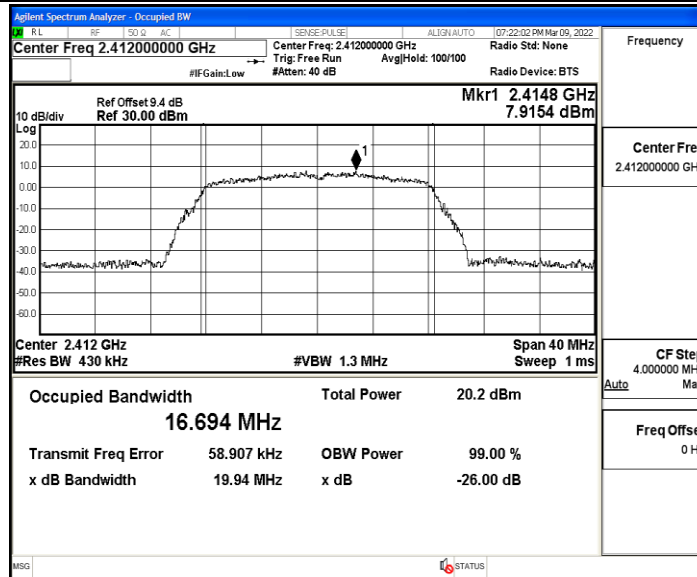
11B_Ant1_2437



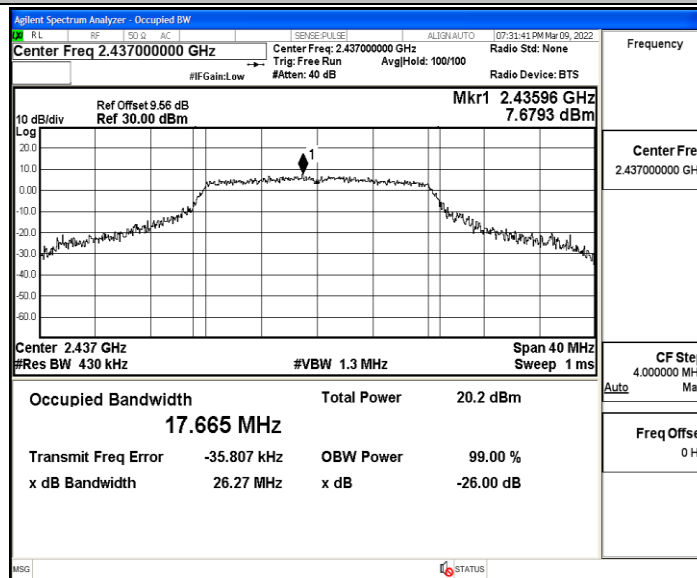
11B_Ant1_2462



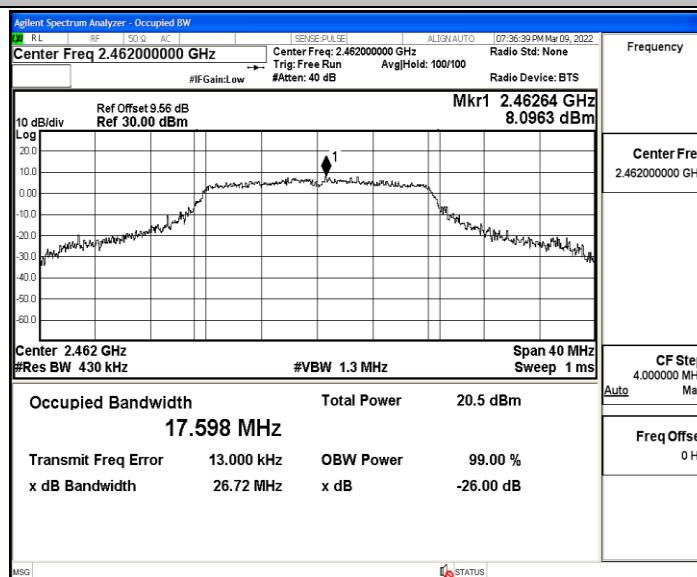
11G_Ant1_2412



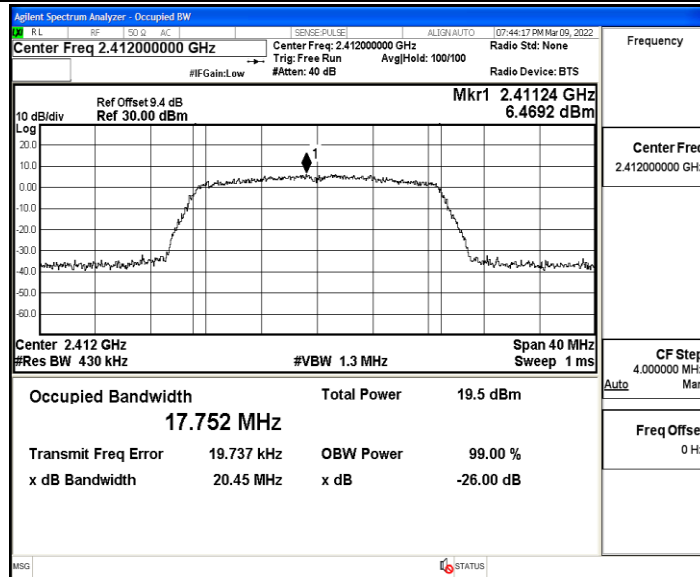
11G_Ant1_2437



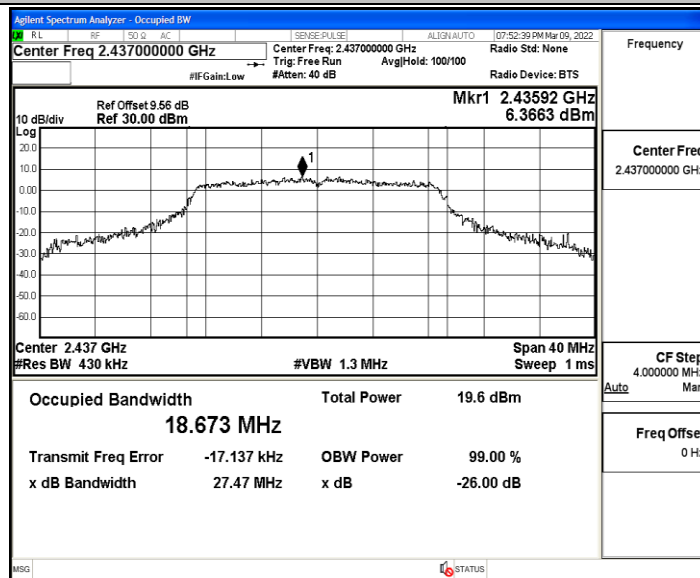
11G_Ant1_2462



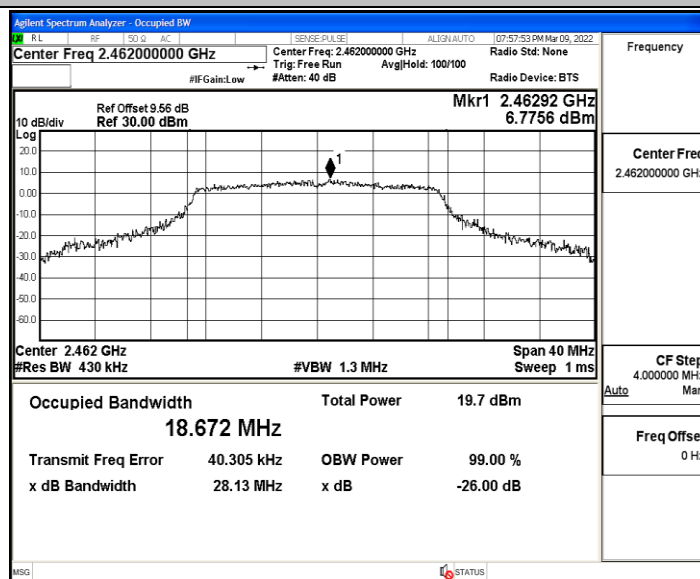
11N20MIMO_Ant1_2412



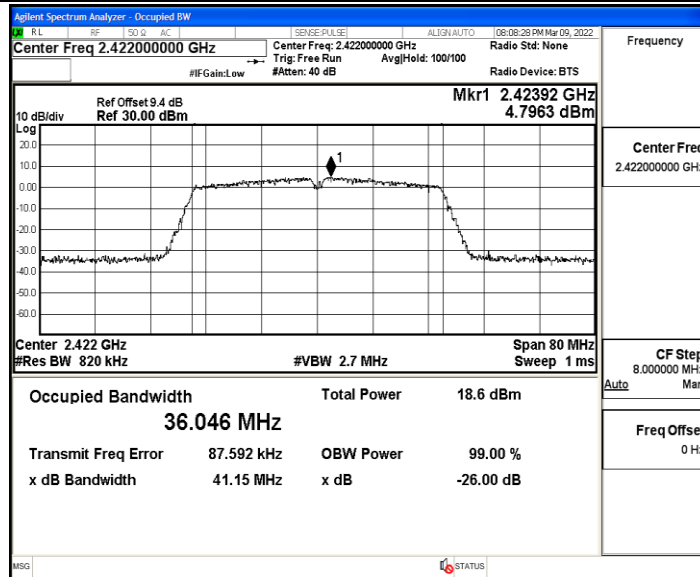
11N20MIMO_Ant1_2437



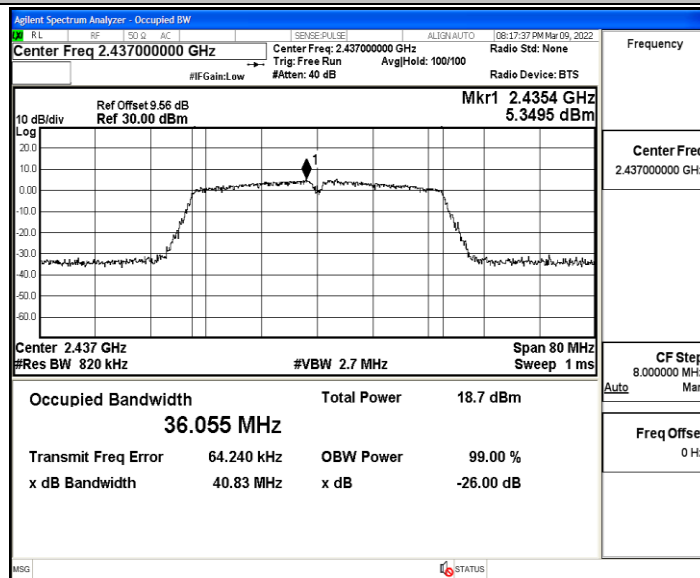
11N20MIMO_Ant1_2462



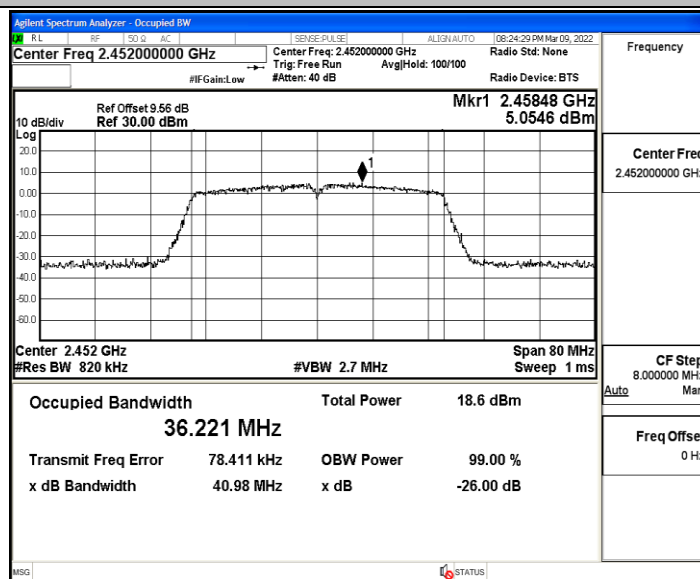
11N40MIMO_Ant1_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.05	≤30	PASS
		2437	15.16	≤30	PASS
		2462	15.12	≤30	PASS
11G	Ant1	2412	14.09	≤30	PASS
		2437	14.21	≤30	PASS
		2462	14.57	≤30	PASS
11N20SISO	Ant1	2412	13.51	≤30	PASS
		2437	13.92	≤30	PASS
		2462	13.84	≤30	PASS
11N40SISO	Ant1	2422	12.12	≤30	PASS
		2437	12.02	≤30	PASS
		2452	12.12	≤30	PASS

Note: The Duty Cycle Factor is compensated in the test result.

Appendix D: Maximum power spectral density

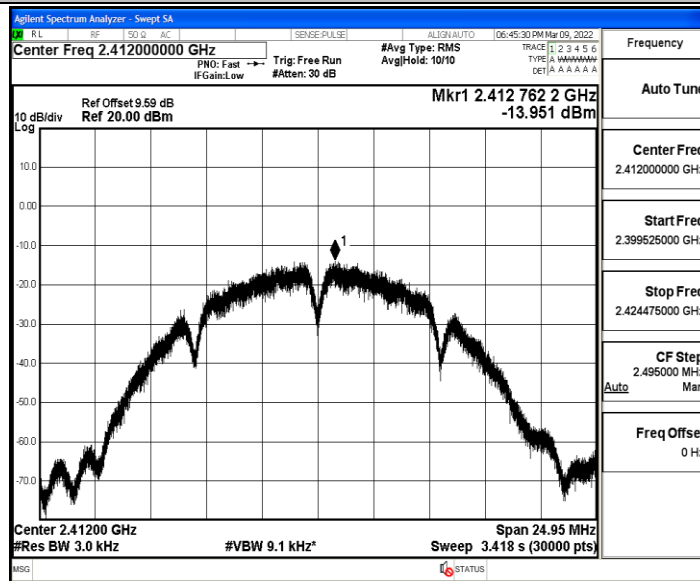
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.95	≤8	PASS
		2437	-13.83	≤8	PASS
		2462	-13.01	≤8	PASS
11G	Ant1	2412	-15.69	≤8	PASS
		2437	-17.26	≤8	PASS
		2462	-16.15	≤8	PASS
11N20SISO	Ant1	2412	-17.06	≤8	PASS
		2437	-17.53	≤8	PASS
		2462	-16.71	≤8	PASS
11N40SISO	Ant1	2422	-20.19	≤8	PASS
		2437	-20.87	≤8	PASS
		2452	-21.24	≤8	PASS

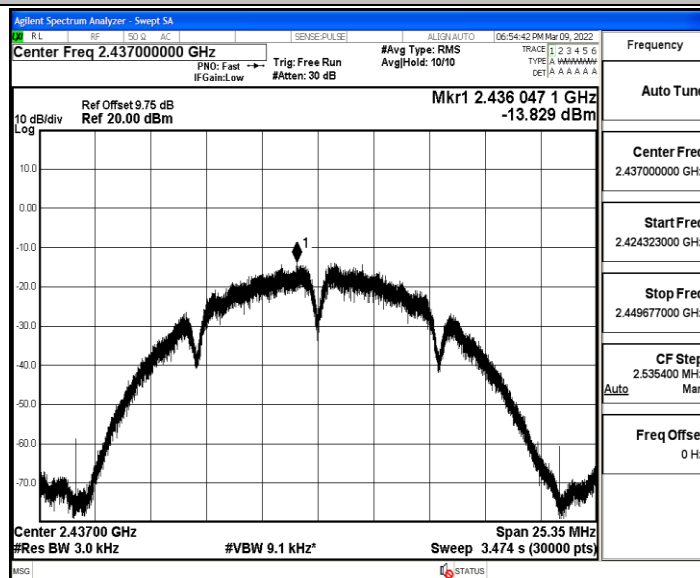
Note: The Duty Cycle Factor is compensated in the test result.

Test Graphs

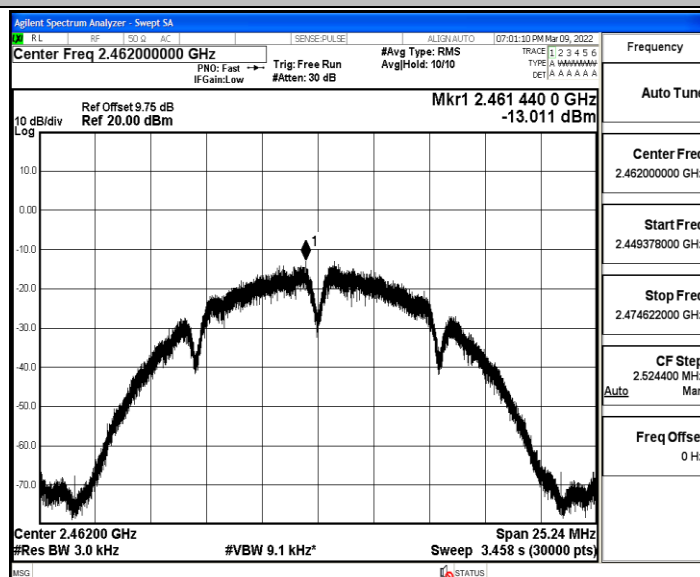
11B_Ant1_2412



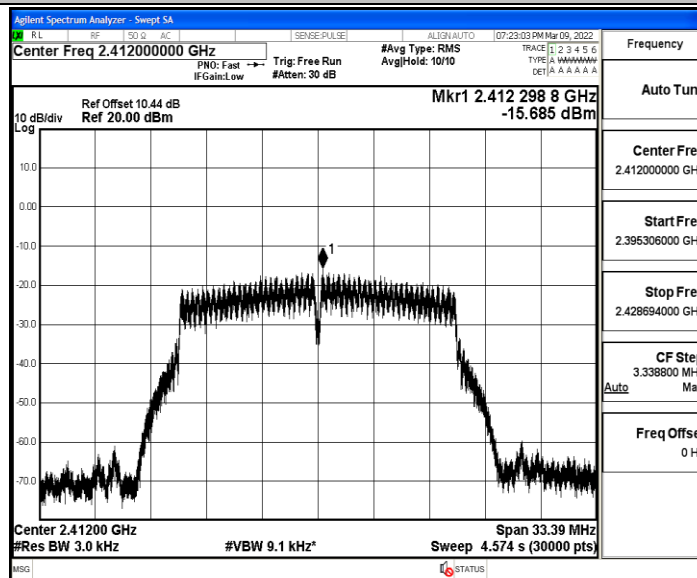
11B_Ant1_2437



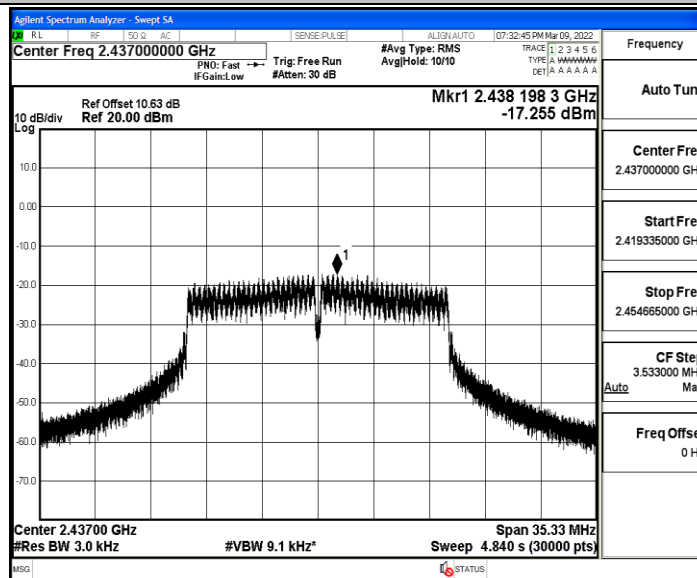
11B_Ant1_2462



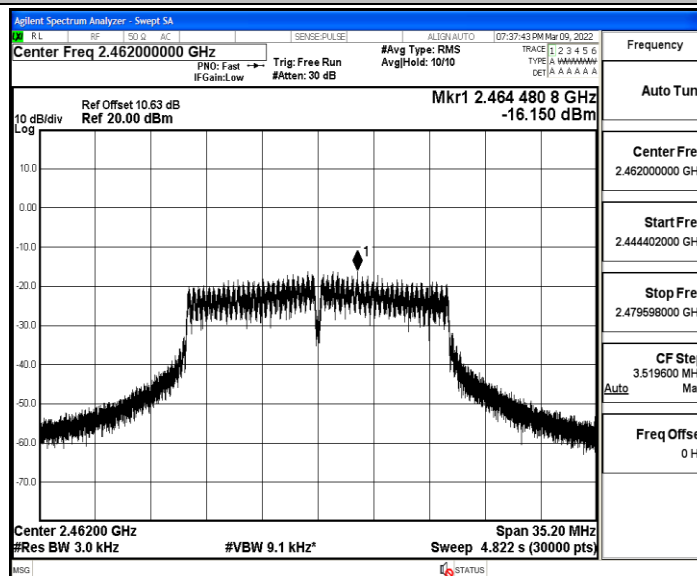
11G_Ant1_2412



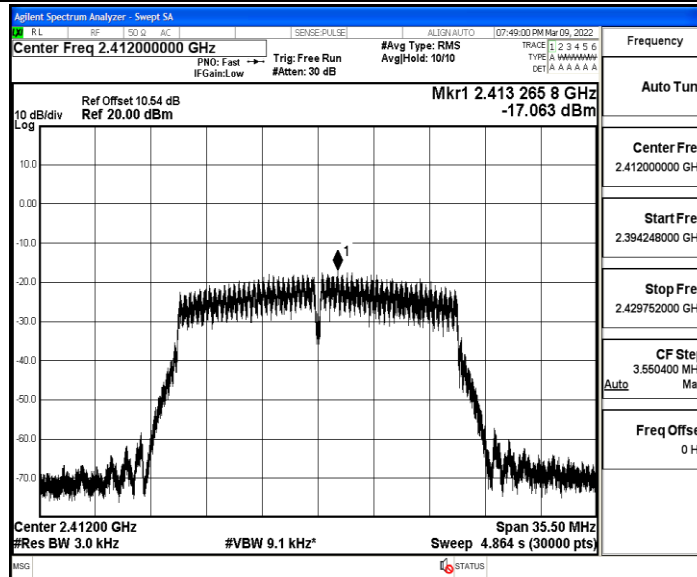
11G_Ant1_2437



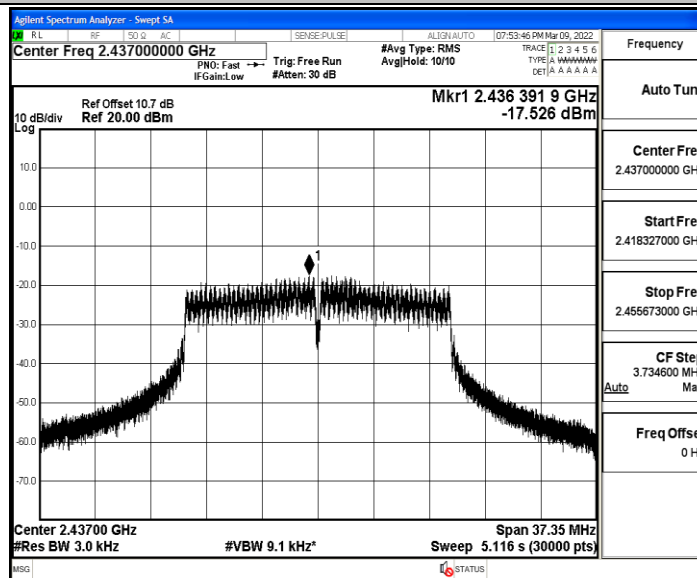
11G_Ant1_2462



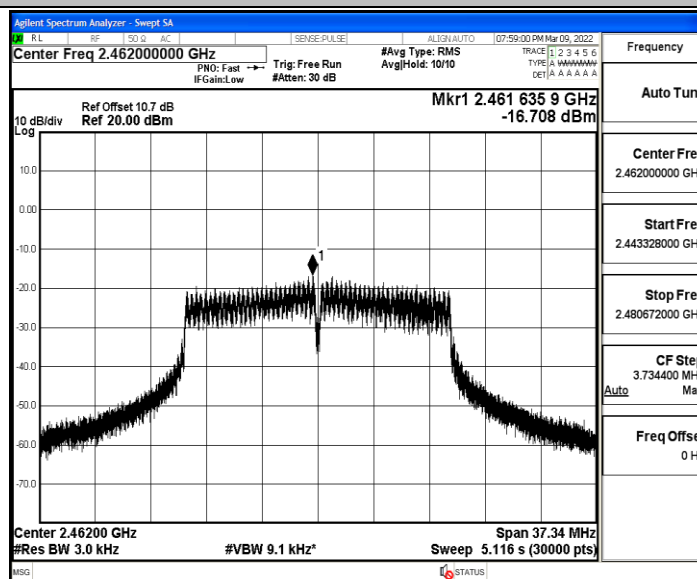
11N20MIMO_Ant1_2412



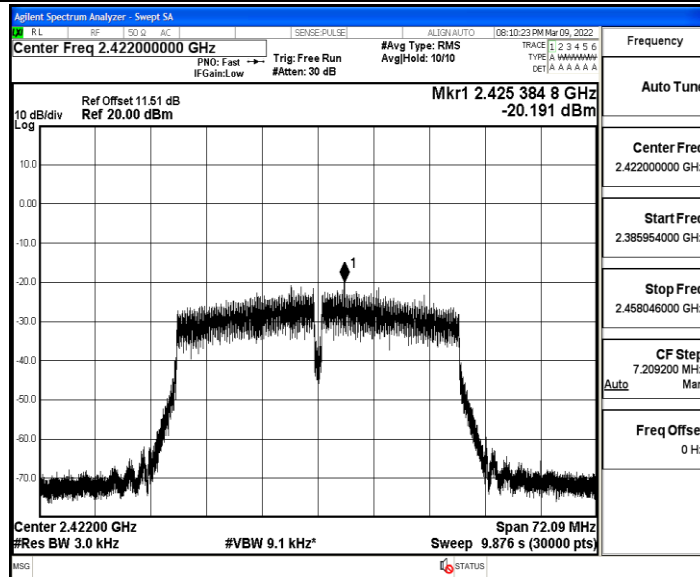
11N20MIMO_Ant1_2437



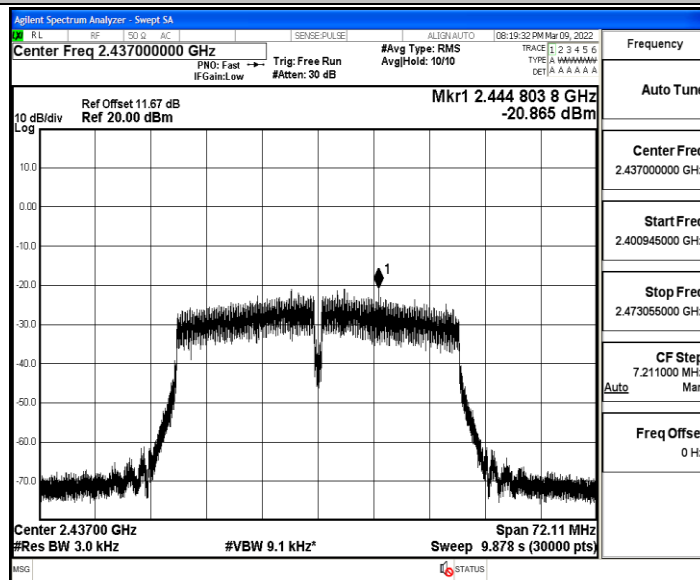
11N20MIMO_Ant1_2462



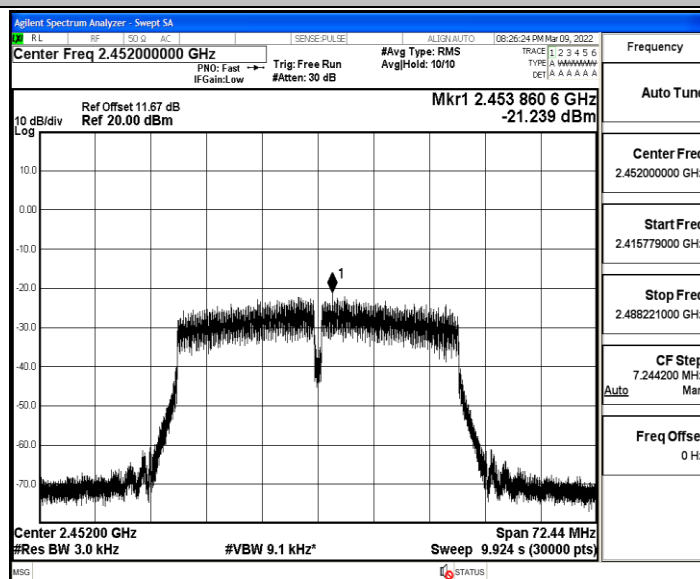
11N40MIMO_Ant1_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant1_2452



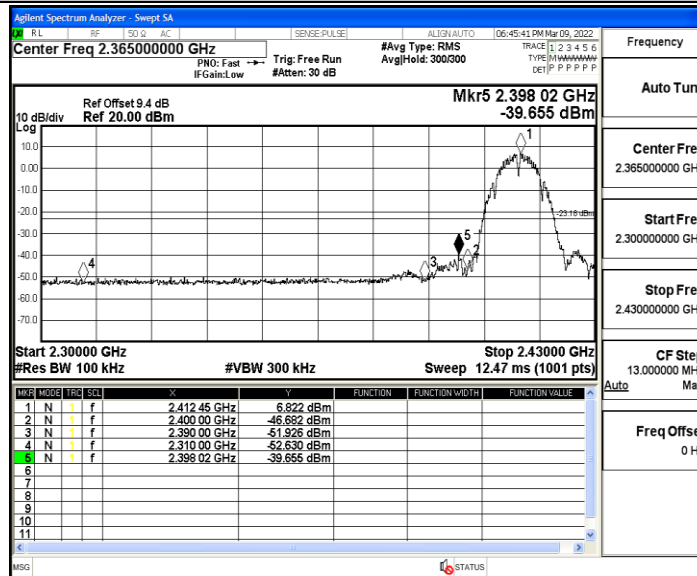
Appendix E: Band edge measurements

Test Result

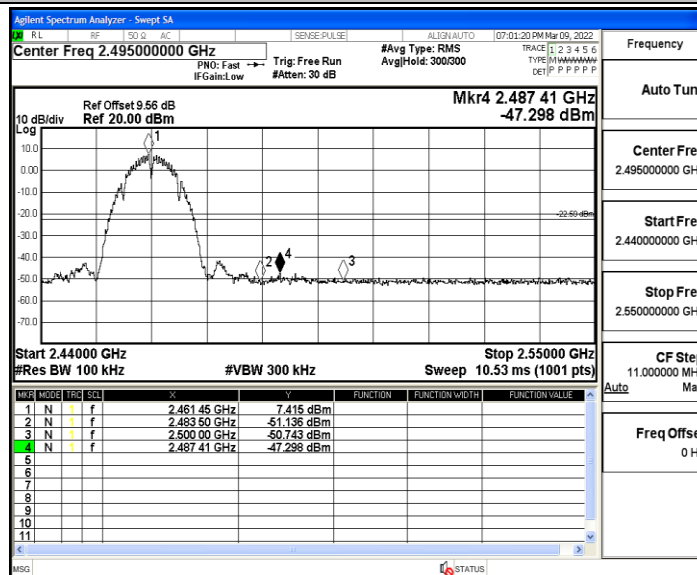
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.82	-39.66	≤-23.18	PASS
	Ant1	High	2462	7.42	-47.3	≤-22.59	PASS
11G	Ant1	Low	2412	4.43	-42.43	≤-25.57	PASS
	Ant1	High	2462	4.12	-46.36	≤-25.88	PASS
11N20MIMO	Ant1	Low	2412	3.22	-42.91	≤-26.78	PASS
	Ant1	High	2462	3.37	-47.76	≤-26.63	PASS
11N40MIMO	Ant1	Low	2422	-0.98	-39.49	≤-30.98	PASS
	Ant1	High	2452	-1.03	-44.29	≤-31.03	PASS

Test Graphs

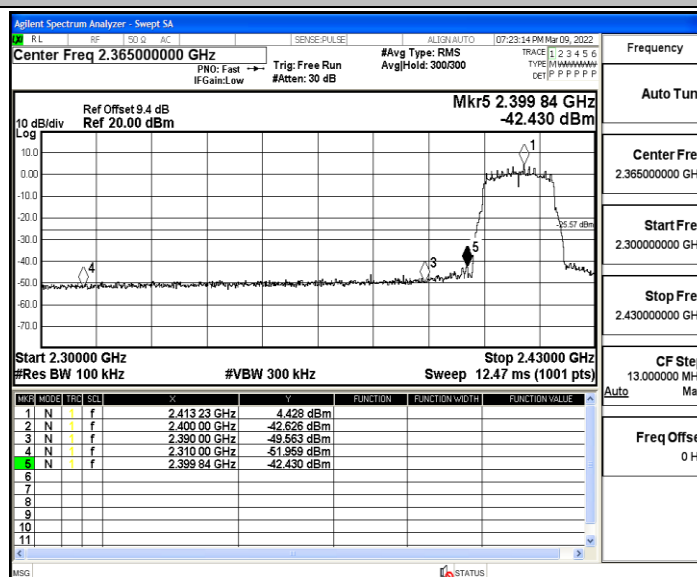
11B_Ant1_Low_2412



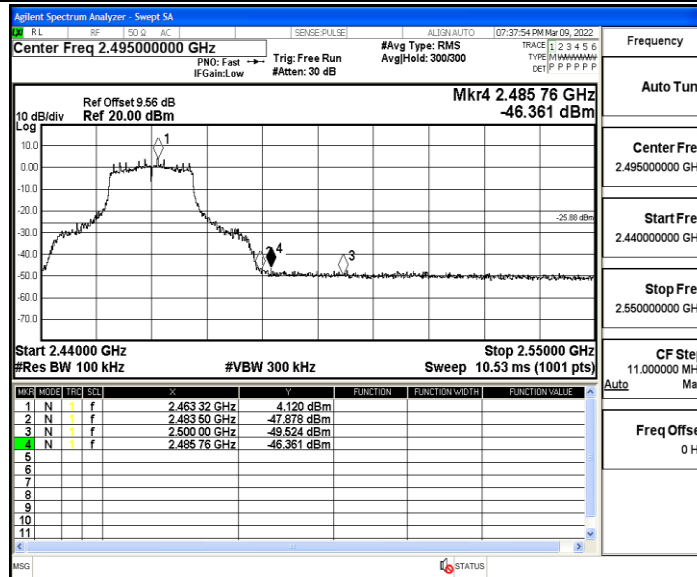
11B_Ant1_High_2462



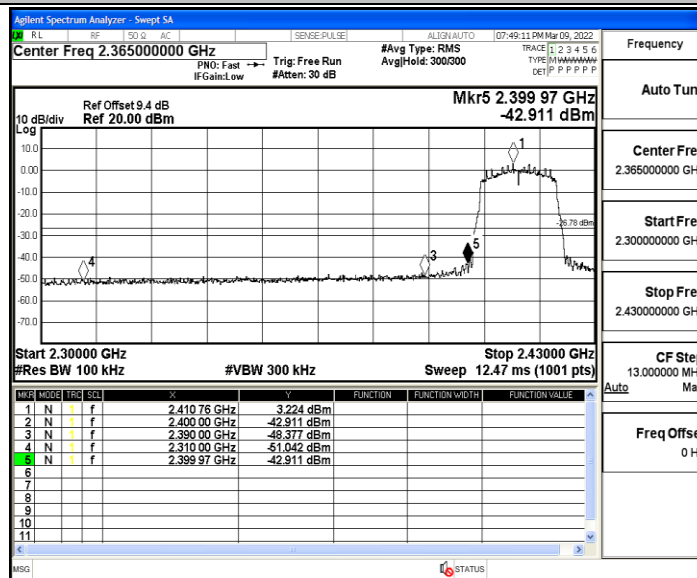
11G_Ant1_Low_2412



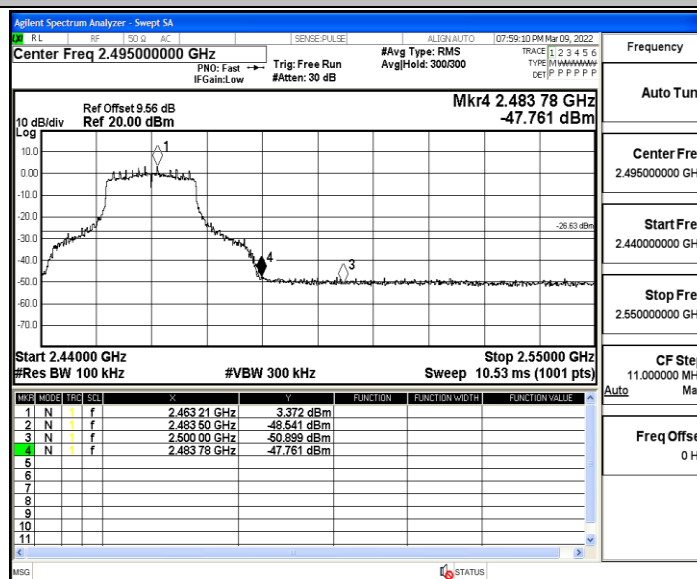
11G_Ant1_High_2462



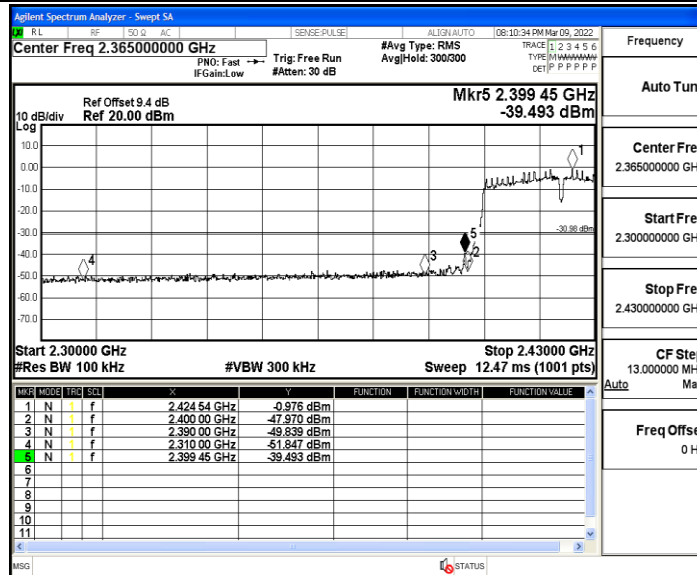
11N20MIMO_Ant1_Low_2412



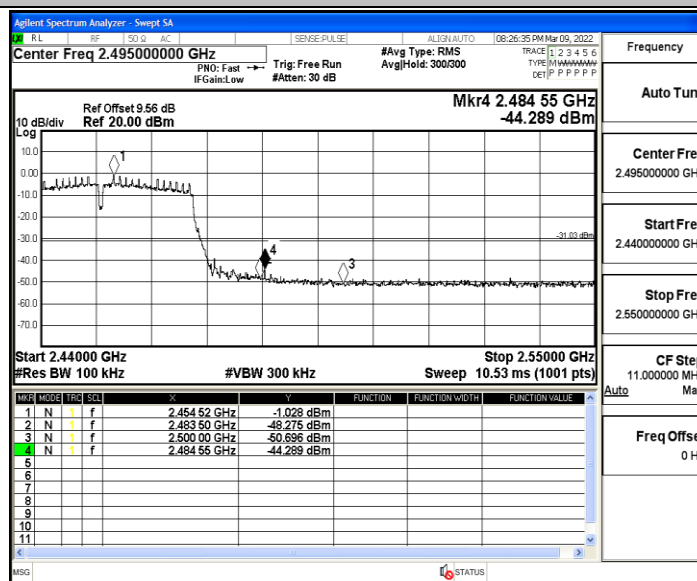
11N20MIMO_Ant1_High_2462



11N40MIMO_Ant1_Low_2422



11N40MIMO_Ant1_High_2452

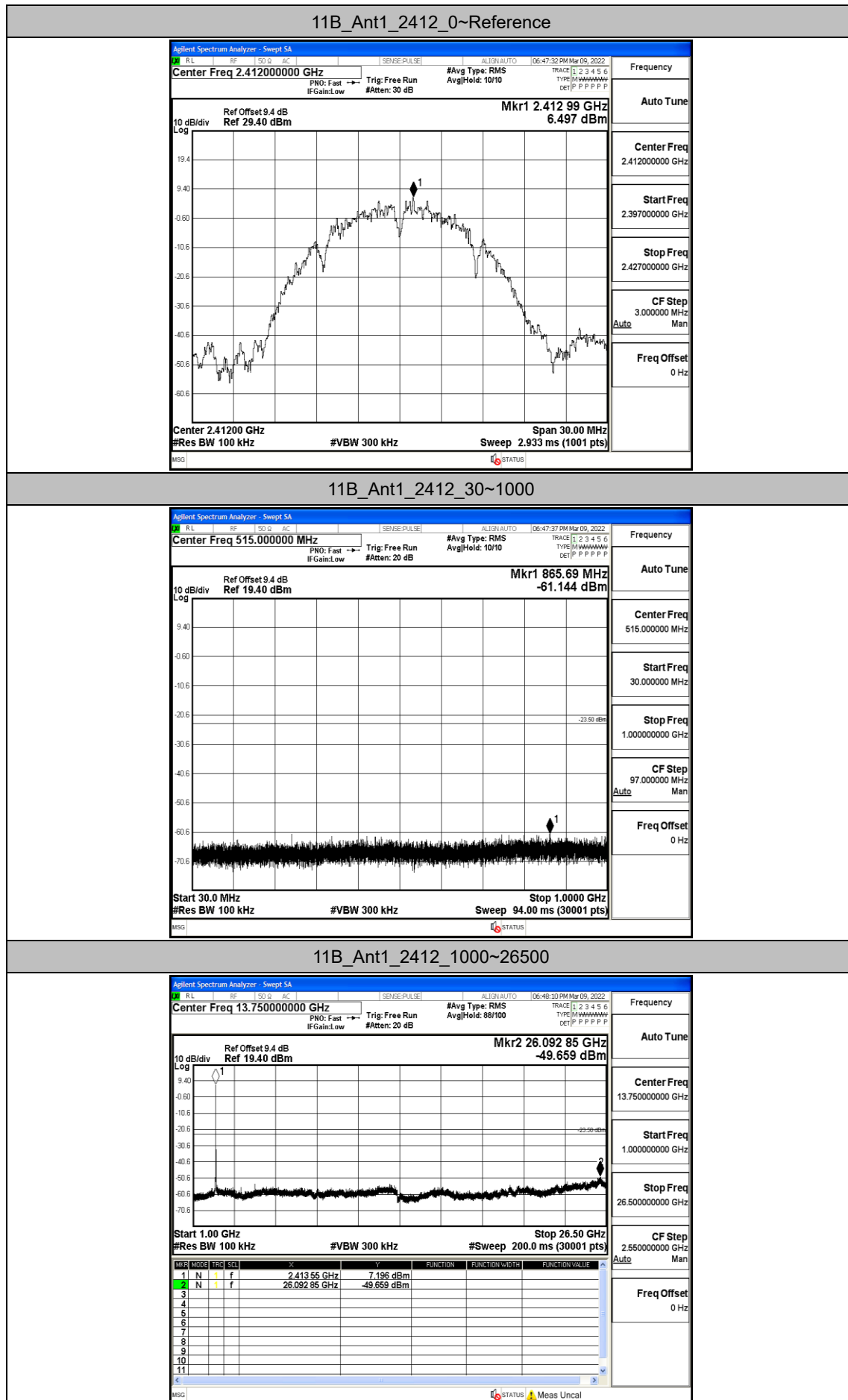


Appendix F: Conducted Spurious Emission

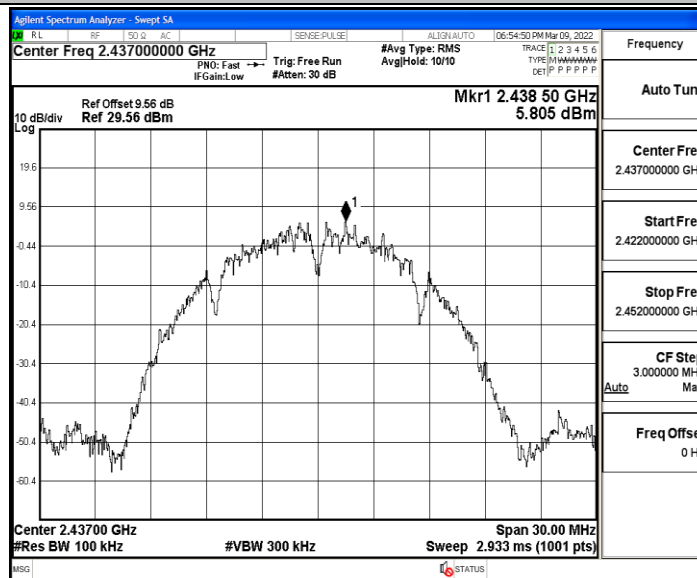
Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.50	6.50	---	PASS
			30~1000	6.50	-61.14	≤-23.5	PASS
			1000~26500	6.50	-49.66	≤-23.5	PASS
	Ant1	2437	Reference	5.81	5.81	---	PASS
			30~1000	5.81	-60.69	≤-24.19	PASS
			1000~26500	5.81	-49.57	≤-24.19	PASS
	Ant1	2462	Reference	5.74	5.74	---	PASS
			30~1000	5.74	-61.08	≤-24.26	PASS
			1000~26500	5.74	-49.66	≤-24.26	PASS
11G	Ant1	2412	Reference	1.13	1.13	---	PASS
			30~1000	1.13	-60.7	≤-28.87	PASS
			1000~26500	1.13	-49.67	≤-28.87	PASS
	Ant1	2437	Reference	1.95	1.95	---	PASS
			30~1000	1.95	-61.06	≤-28.05	PASS
			1000~26500	1.95	-48.86	≤-28.05	PASS
	Ant1	2462	Reference	0.33	0.33	---	PASS
			30~1000	0.33	-60.65	≤-29.67	PASS
			1000~26500	0.33	-47.75	≤-29.67	PASS
11N20MIMO	Ant1	2412	Reference	-0.42	-0.42	---	PASS
			30~1000	-0.42	-60.96	≤-30.42	PASS
			1000~26500	-0.42	-49.73	≤-30.42	PASS
	Ant1	2437	Reference	0.29	0.29	---	PASS
			30~1000	0.29	-61.03	≤-29.71	PASS
			1000~26500	0.29	-48.95	≤-29.71	PASS
	Ant1	2462	Reference	0.01	0.01	---	PASS
			30~1000	0.01	-60.99	≤-29.99	PASS
			1000~26500	0.01	-50.14	≤-29.99	PASS
11N40MIMO	Ant1	2422	Reference	-1.75	-1.75	---	PASS
			30~1000	-1.75	-61.71	≤-31.75	PASS
			1000~26500	-1.75	-50.3	≤-31.75	PASS
	Ant1	2437	Reference	-1.71	-1.71	---	PASS
			30~1000	-1.71	-59.96	≤-31.71	PASS
			1000~26500	-1.71	-49.94	≤-31.71	PASS
	Ant1	2452	Reference	-2.25	-2.25	---	PASS
			30~1000	-2.25	-61.56	≤-32.25	PASS
			1000~26500	-2.25	-49.32	≤-32.25	PASS

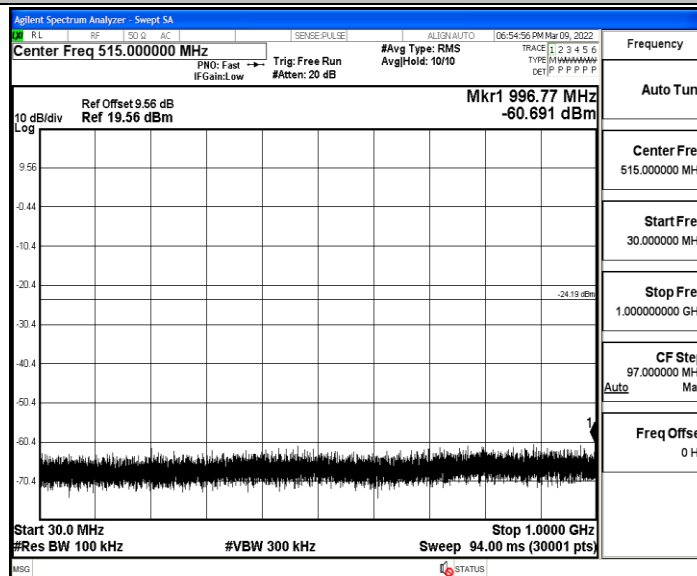
Test Graphs



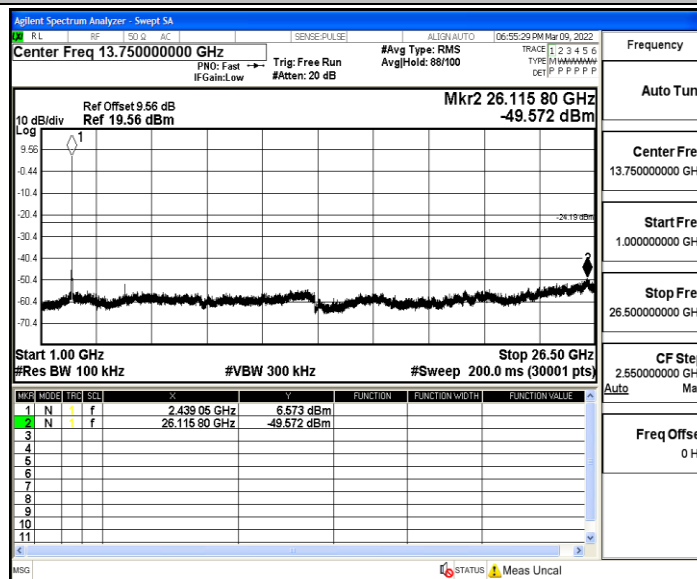
11B_Ant1_2437_0~Reference



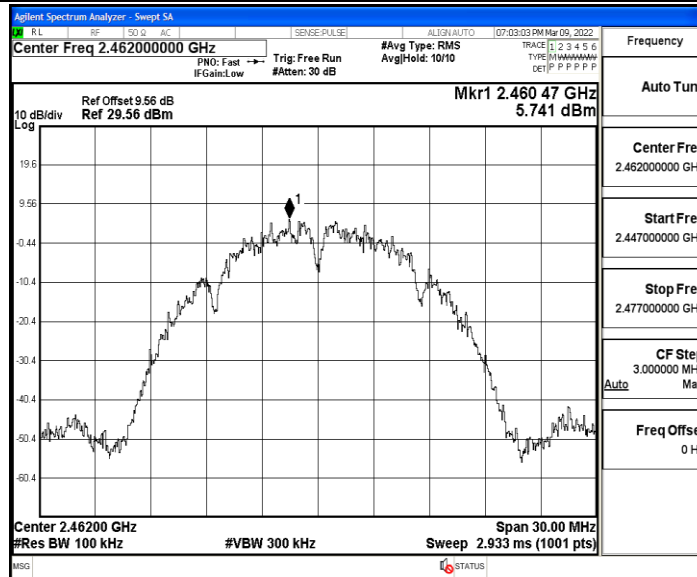
11B_Ant1_2437_30~1000



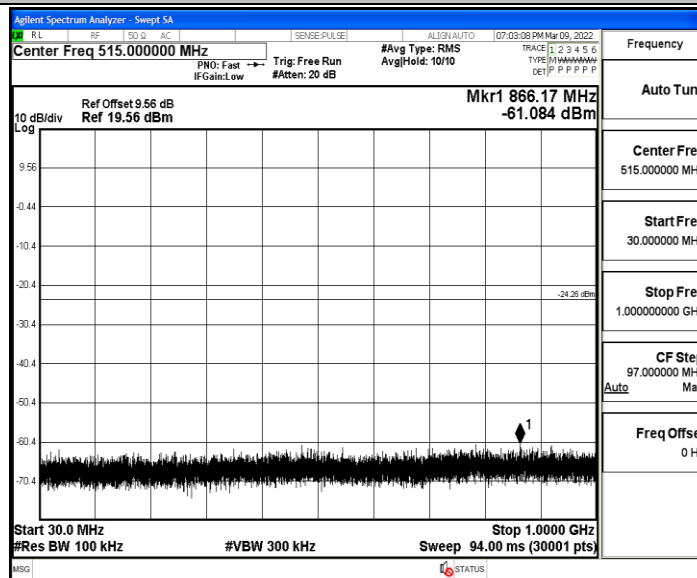
11B_Ant1_2437_1000~26500



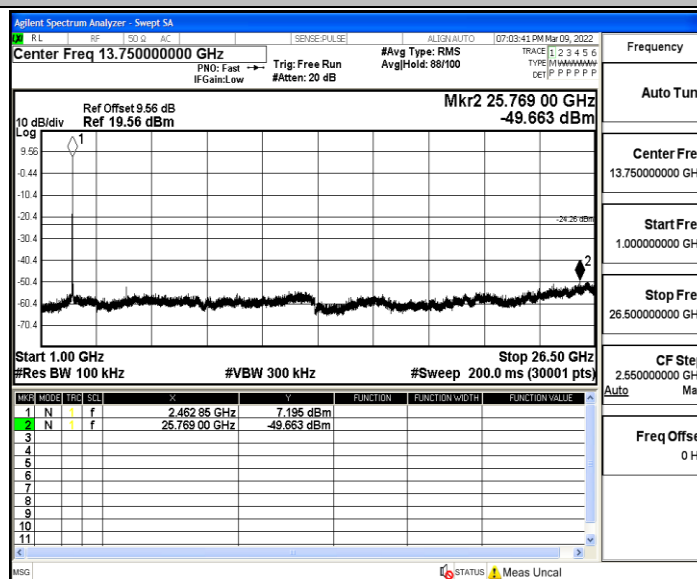
11B_Ant1_2462_0~Reference



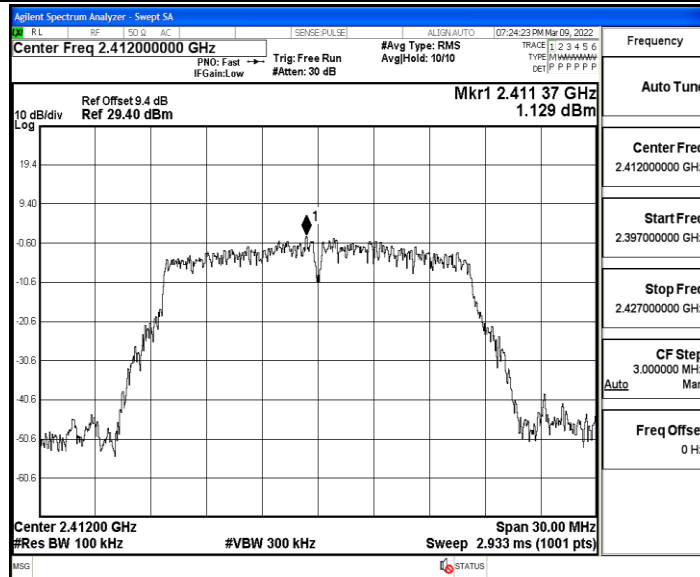
11B_Ant1_2462_30~1000



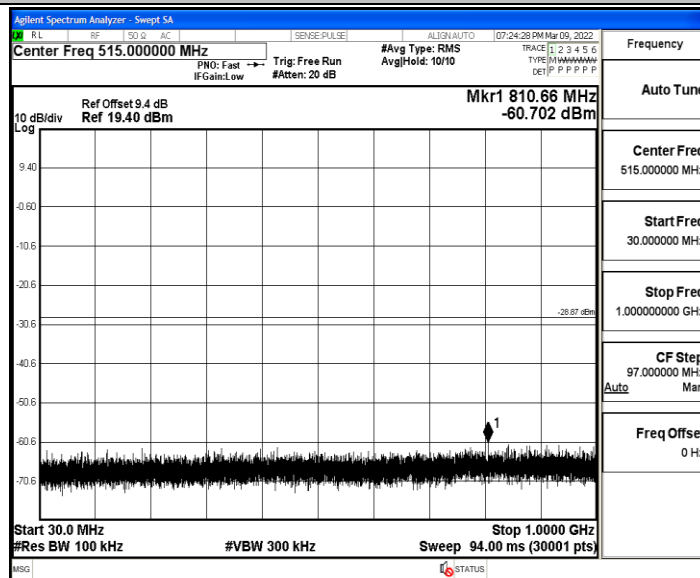
11B_Ant1_2462_1000~26500



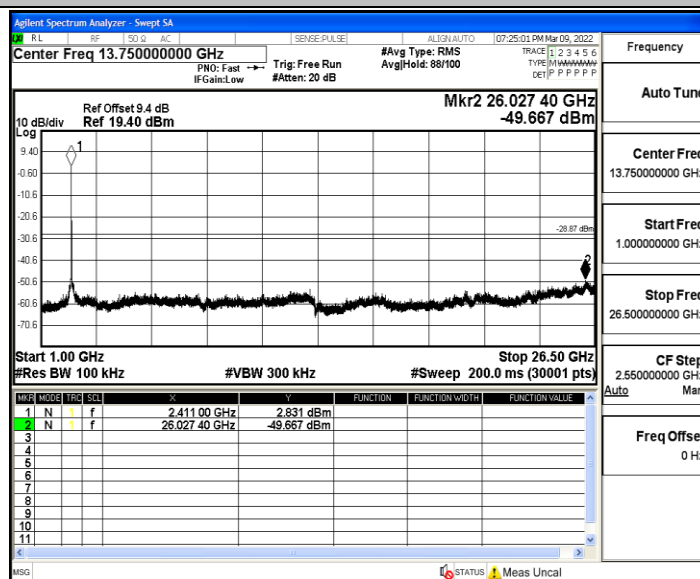
11G_Ant1_2412_0~Reference



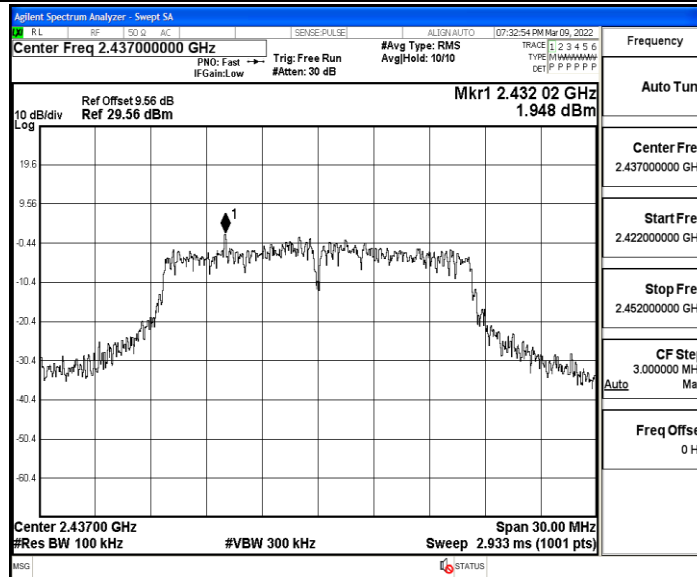
11G_Ant1_2412_30~1000



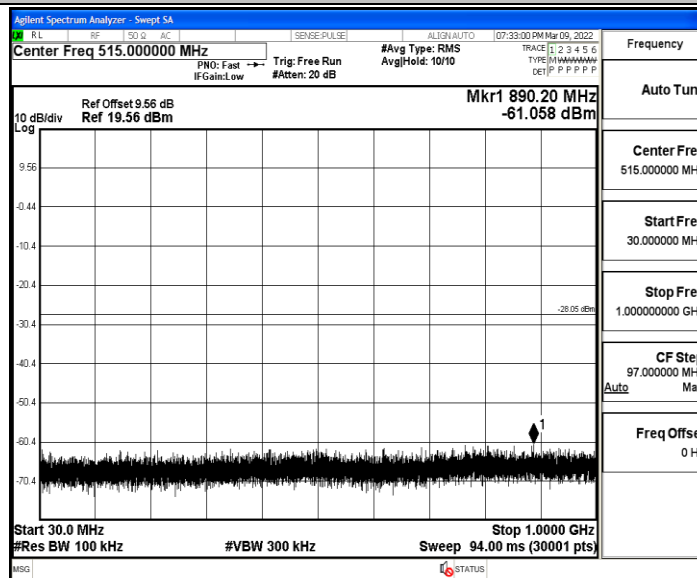
11G_Ant1_2412_1000~26500



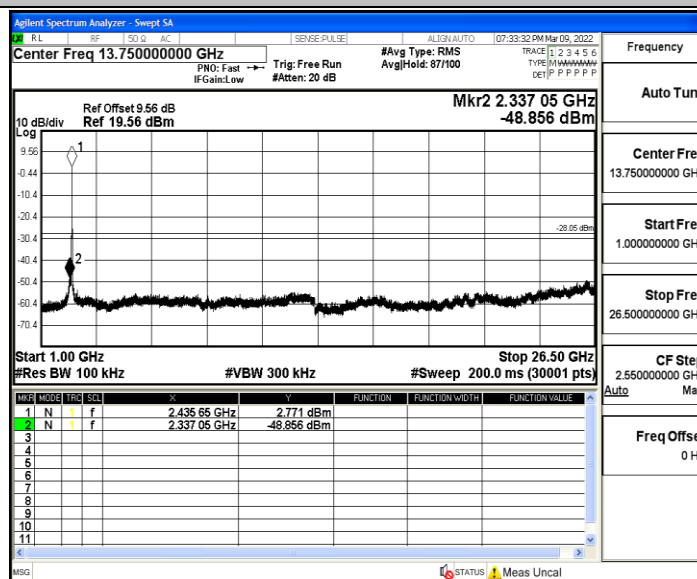
11G_Ant1_2437_0~Reference



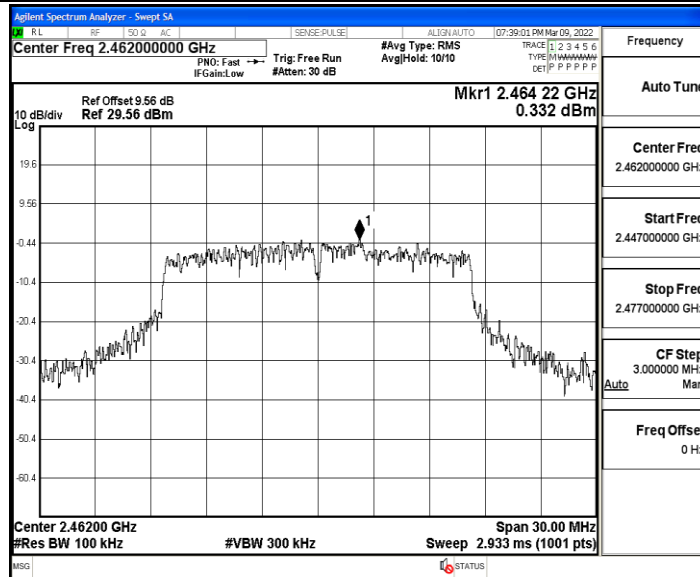
11G_Ant1_2437_30~1000



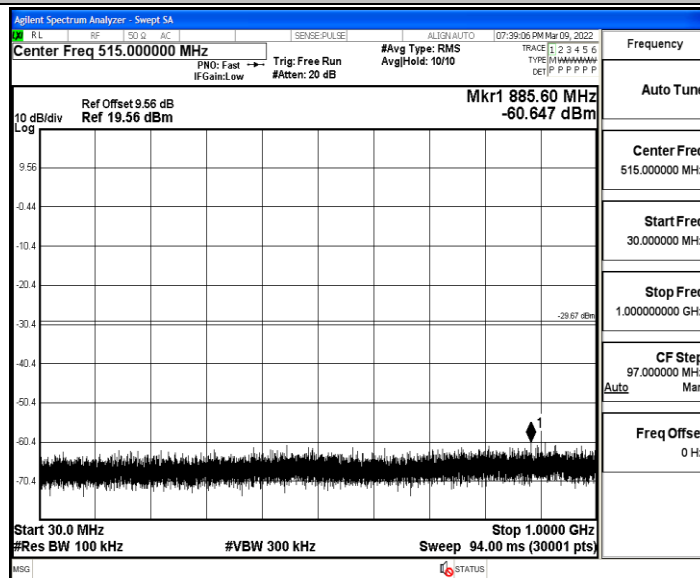
11G_Ant1_2437_1000~26500



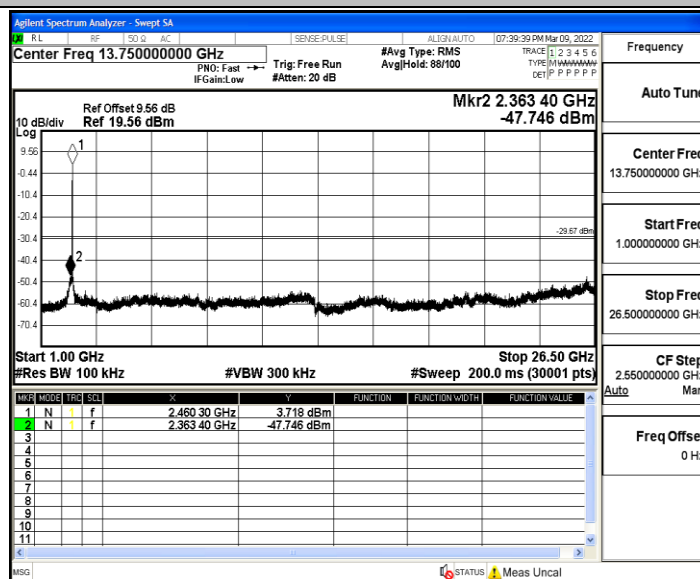
11G_Ant1_2462_0~Reference



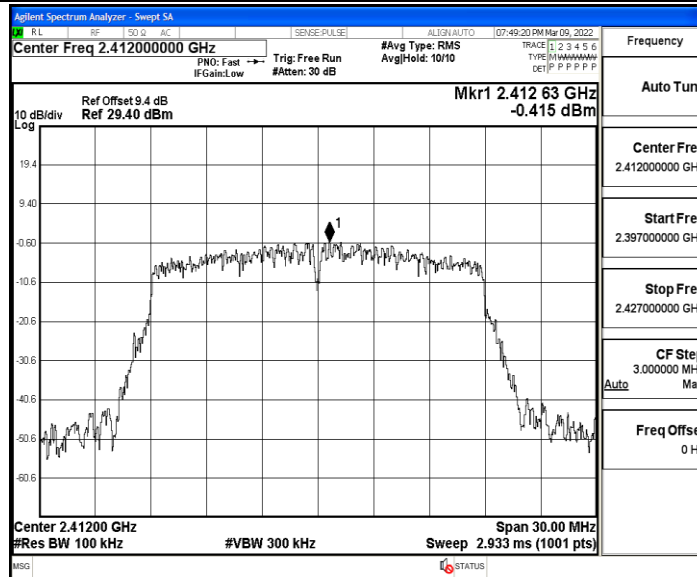
11G_Ant1_2462_30~1000



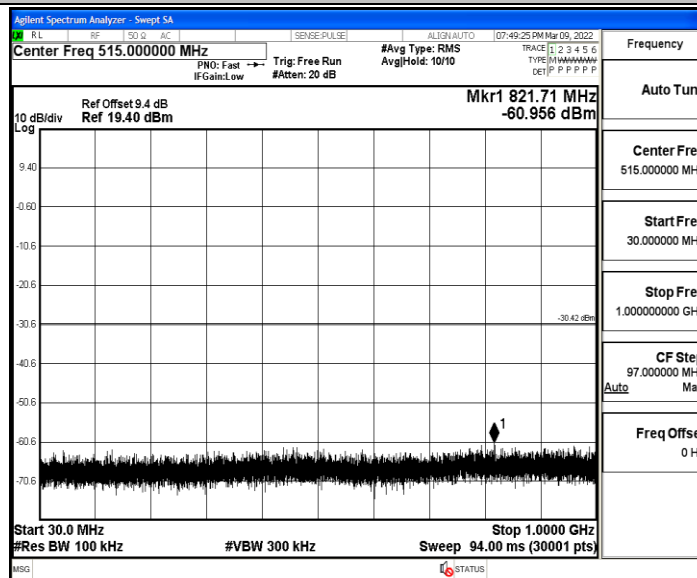
11G_Ant1_2462_1000~26500



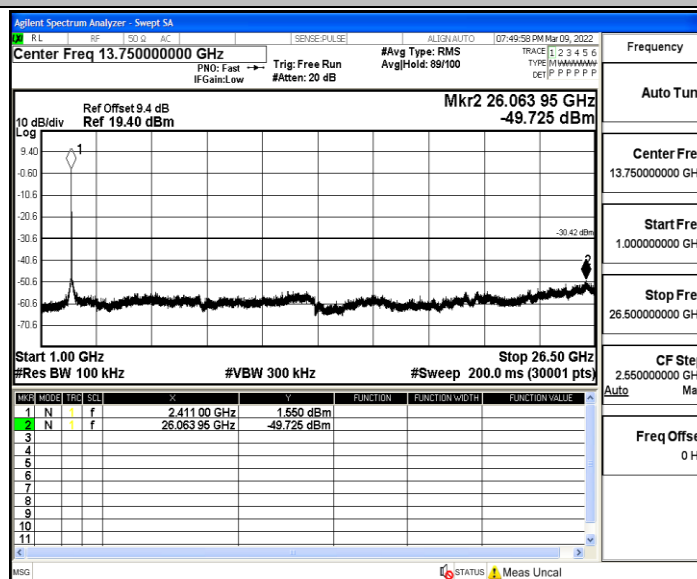
11N20MIMO_Ant1_2412_0~Reference



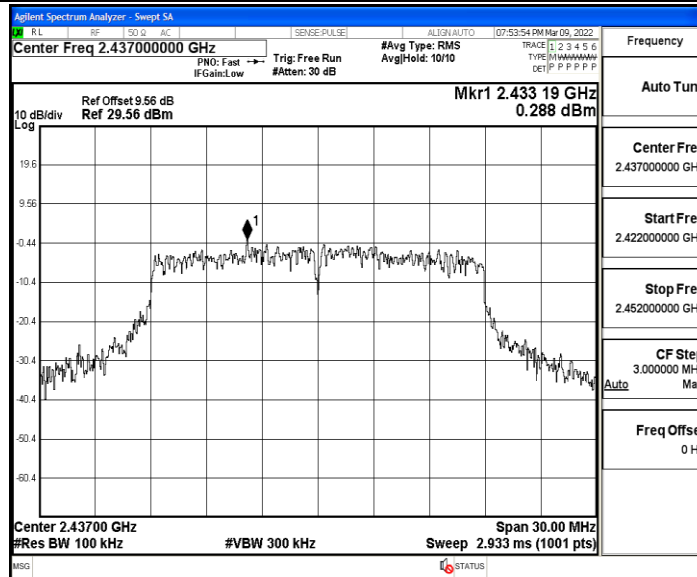
11N20MIMO_Ant1_2412_30~1000



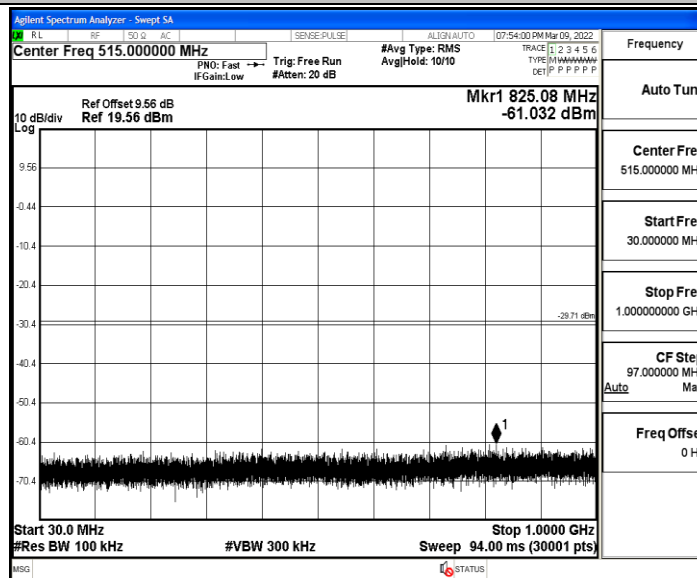
11N20MIMO_Ant1_2412_1000~26500



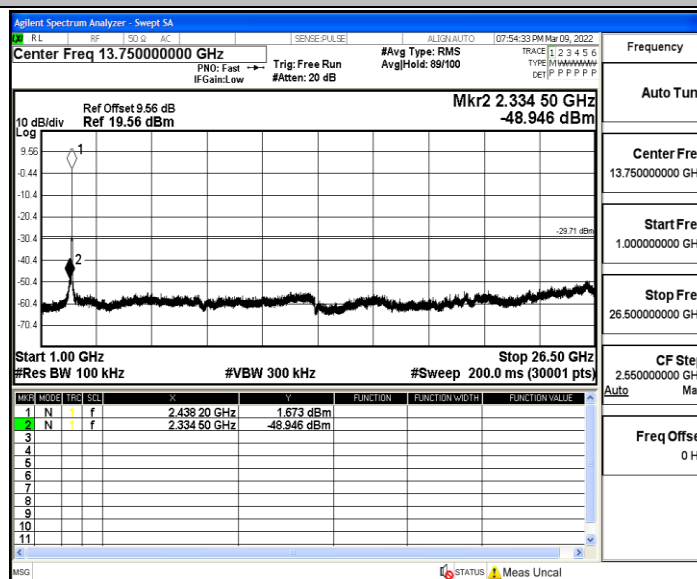
11N20MIMO_Ant1_2437_0~Reference



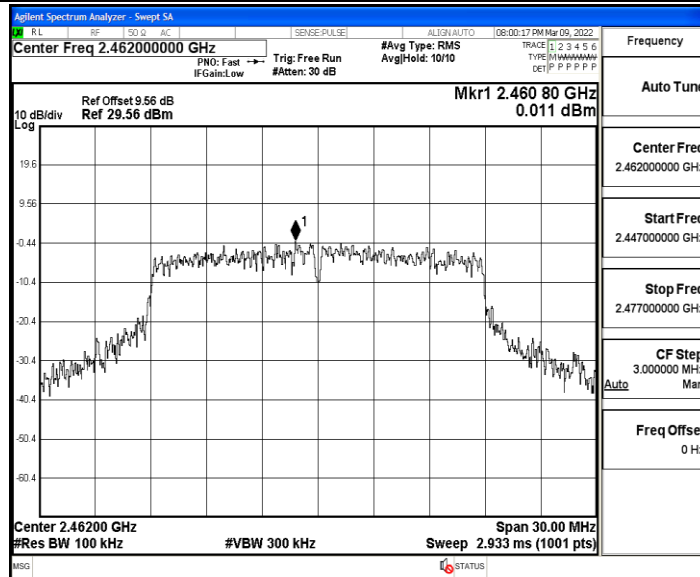
11N20MIMO_Ant1_2437_30~1000



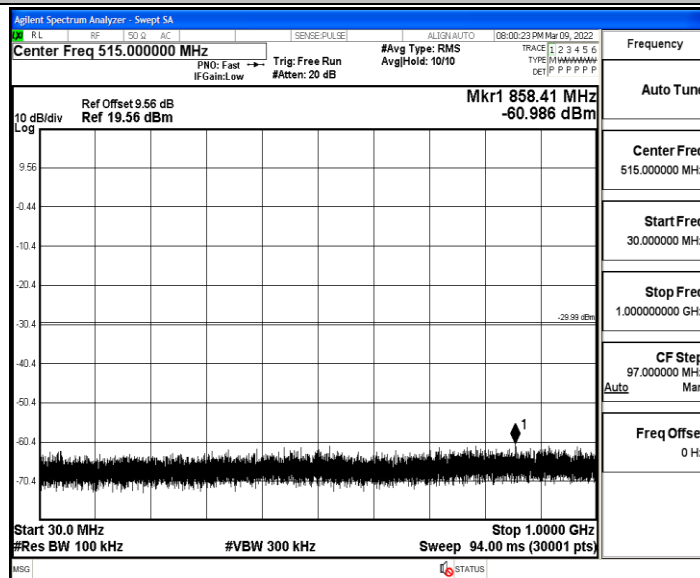
11N20MIMO_Ant1_2437_1000~26500



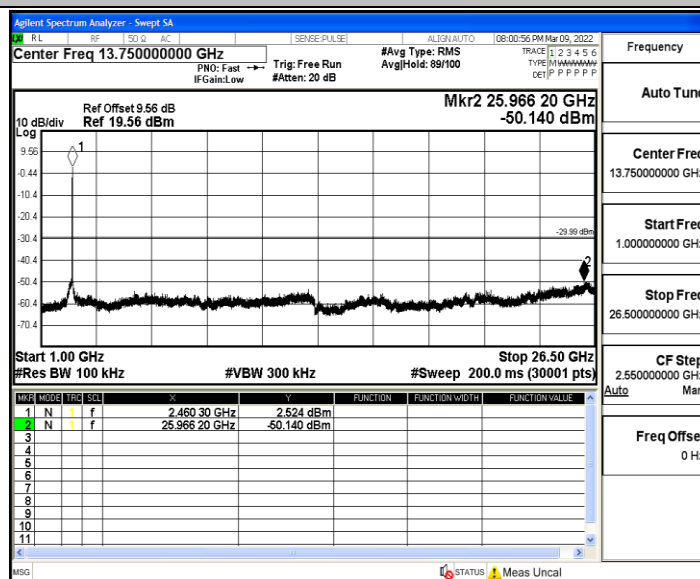
11N20MIMO_Ant1_2462_0~Reference



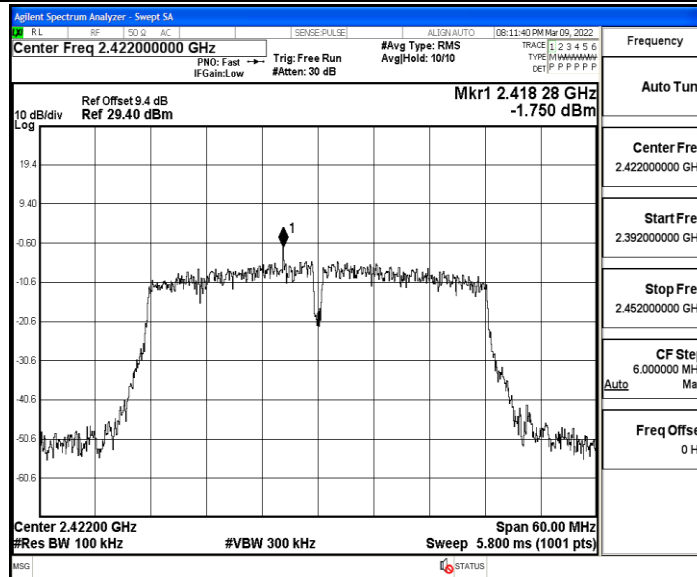
11N20MIMO_Ant1_2462_30~1000



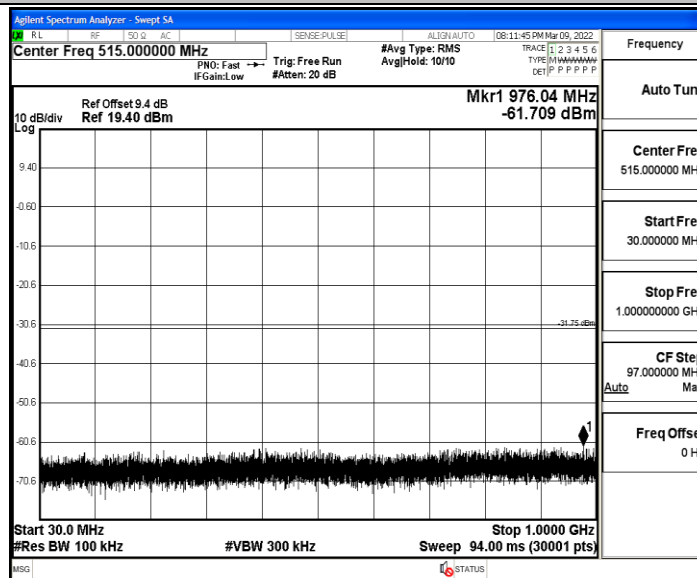
11N20MIMO_Ant1_2462_1000~26500



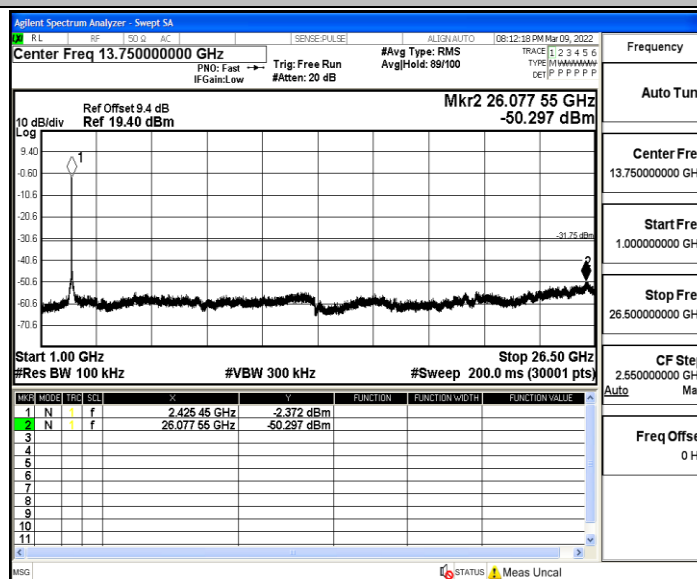
11N40MIMO_Ant1_2422_0~Reference



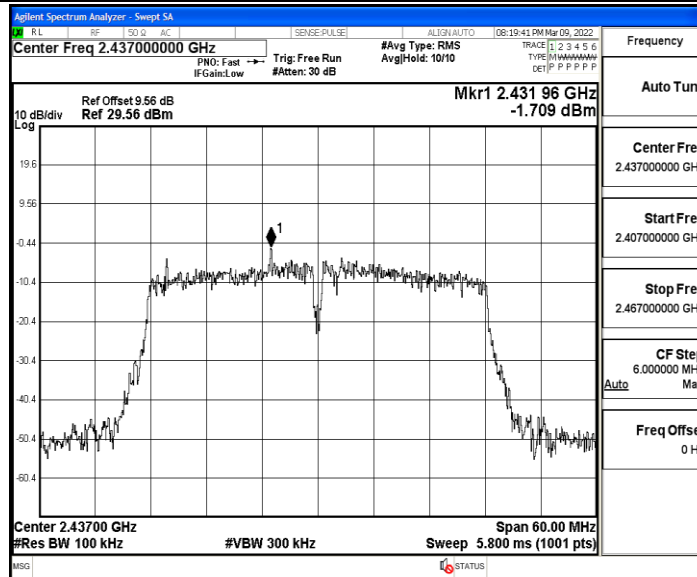
11N40MIMO_Ant1_2422_30~1000



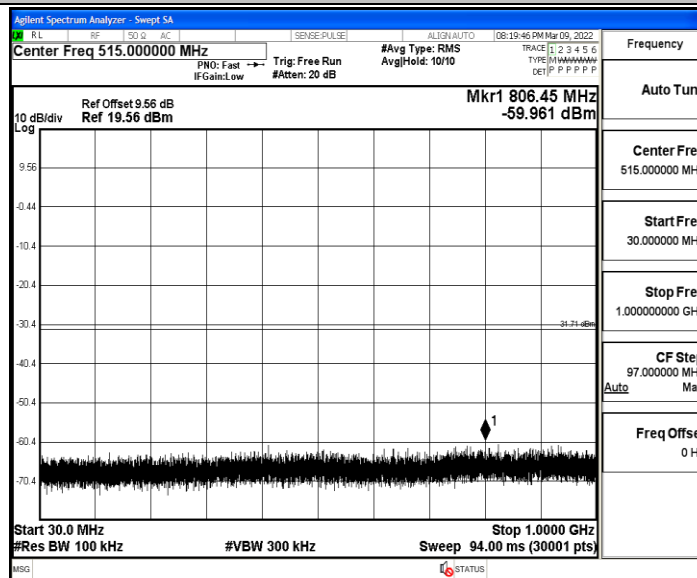
11N40MIMO_Ant1_2422_1000~26500



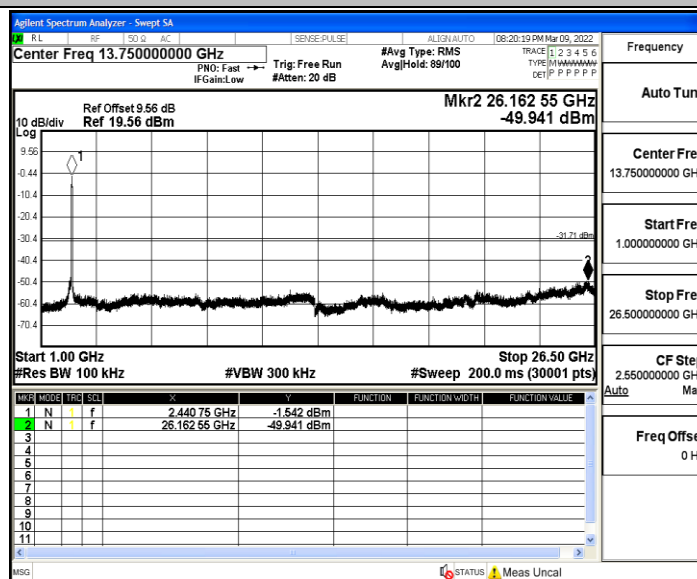
11N40MIMO_Ant1_2437_0~Reference



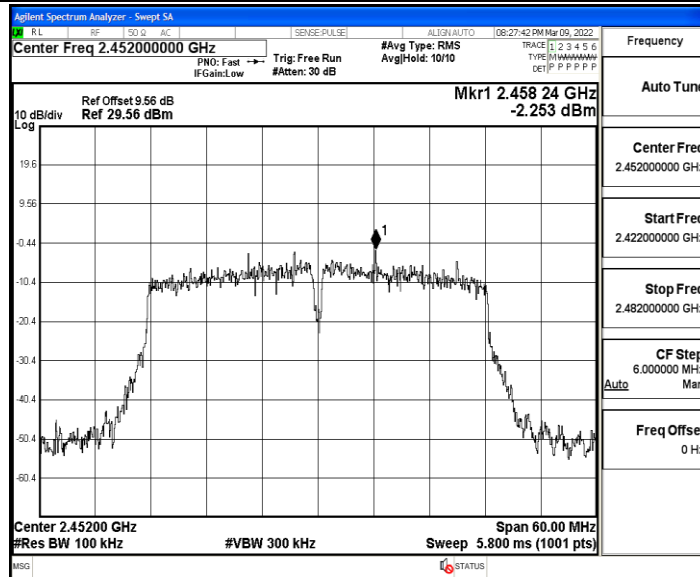
11N40MIMO_Ant1_2437_30~1000



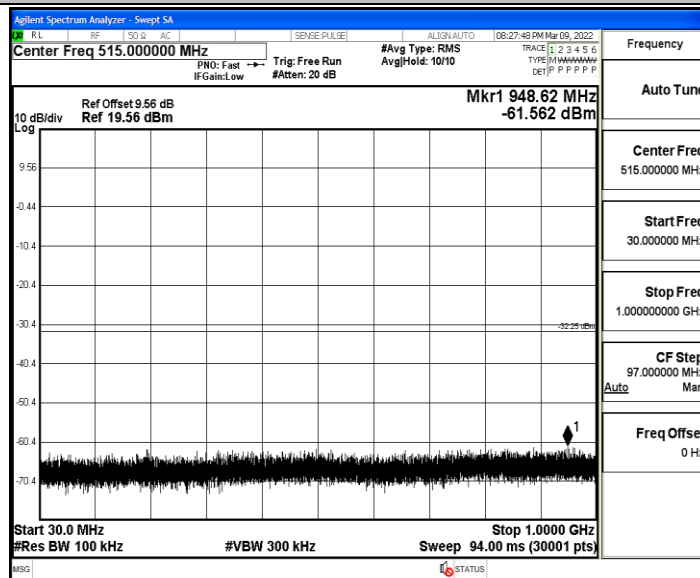
11N40MIMO_Ant1_2437_1000~26500



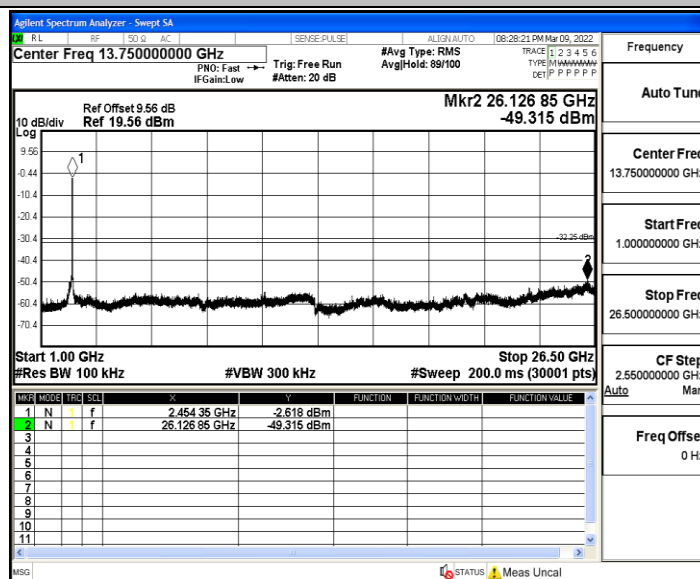
11N40MIMO_Ant1_2452_0~Reference



11N40MIMO_Ant1_2452_30~1000



11N40MIMO_Ant1_2452_1000~26500



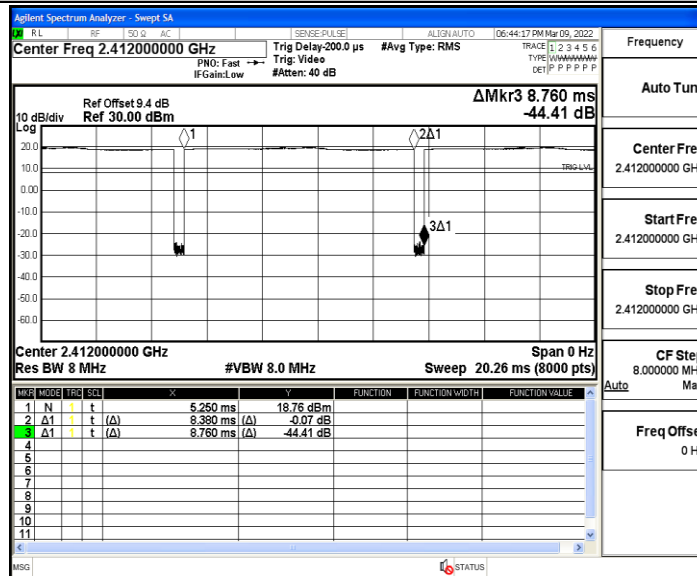
Appendix G: Duty Cycle

Test Result

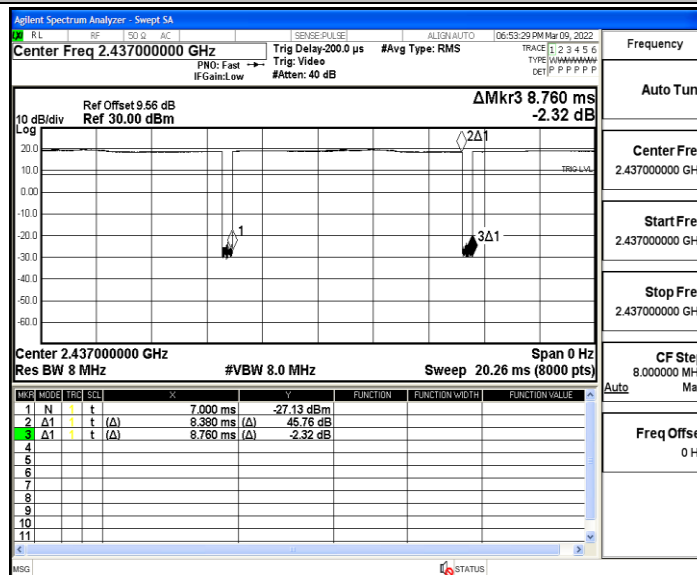
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/B [kHz]
11B	Ant1	2412	8.38	8.76	95.66	0.12
		2437	8.38	8.76	95.66	0.12
		2462	8.39	8.77	95.67	0.12
11G	Ant1	2412	1.40	1.78	78.65	0.71
		2437	1.39	1.78	78.09	0.72
		2462	1.39	1.78	78.09	0.72
11N20SISO	Ant1	2412	1.30	1.69	76.92	0.77
		2437	1.30	1.69	76.92	0.77
		2462	1.30	1.69	76.92	0.77
11N40SISO	Ant1	2422	0.64	1.04	61.54	1.56
		2437	0.64	1.04	61.54	1.56
		2452	0.64	1.04	61.54	1.56

Test Graphs

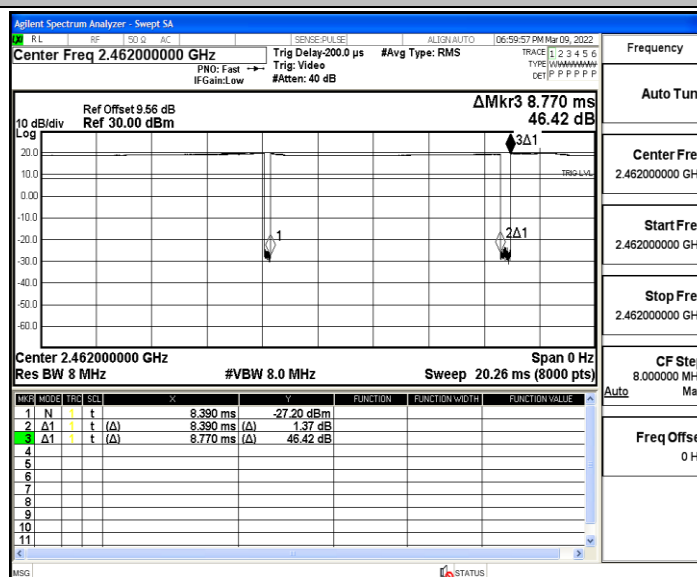
11B_Ant1_2412



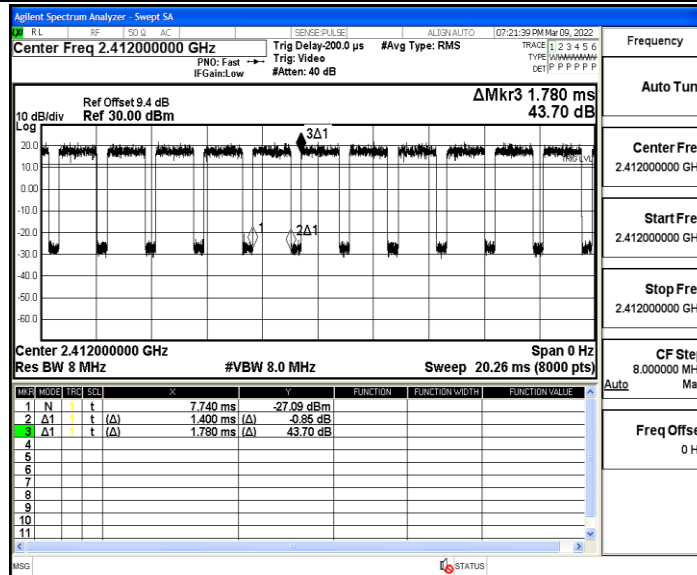
11B_Ant1_2437



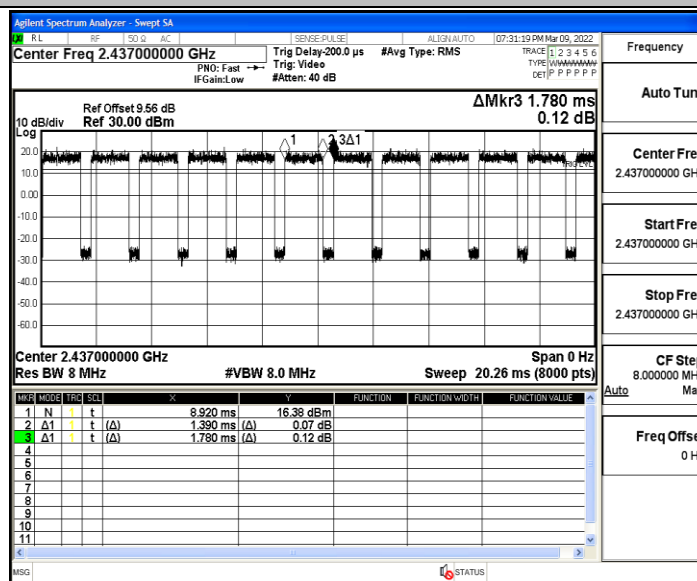
11B_Ant1_2462



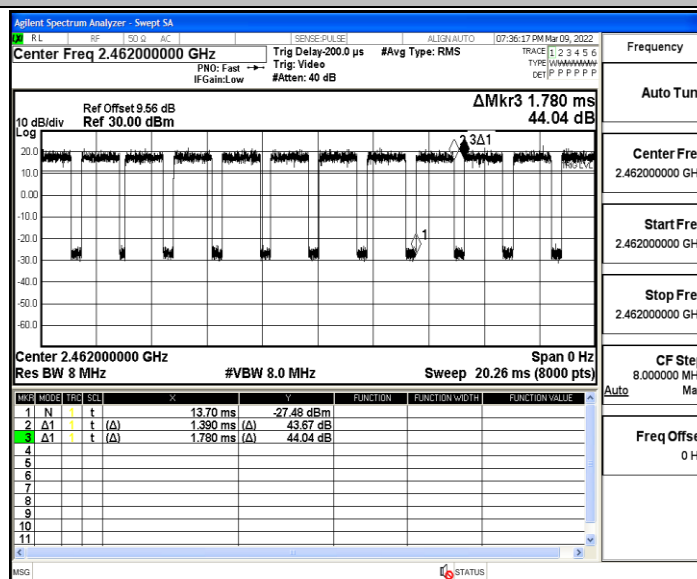
11G_Ant1_2412



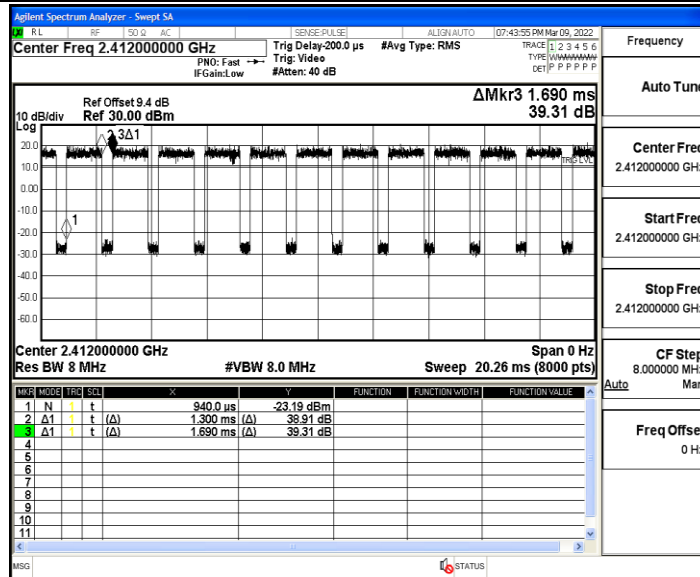
11G_Ant1_2437



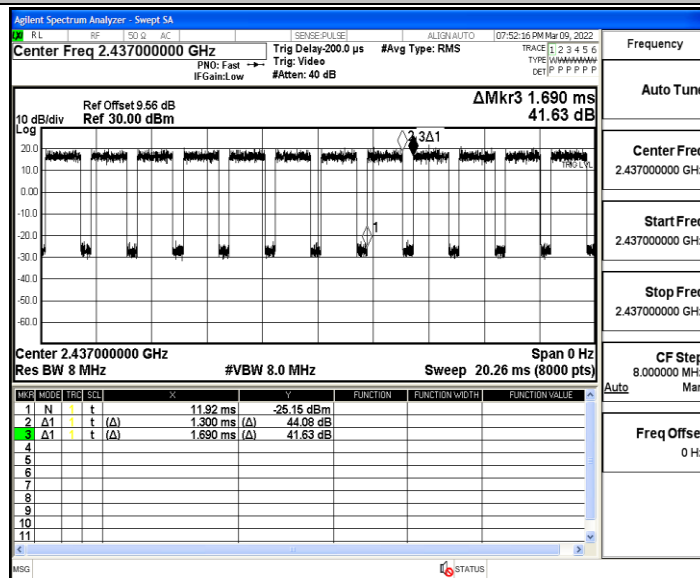
11G_Ant1_2462



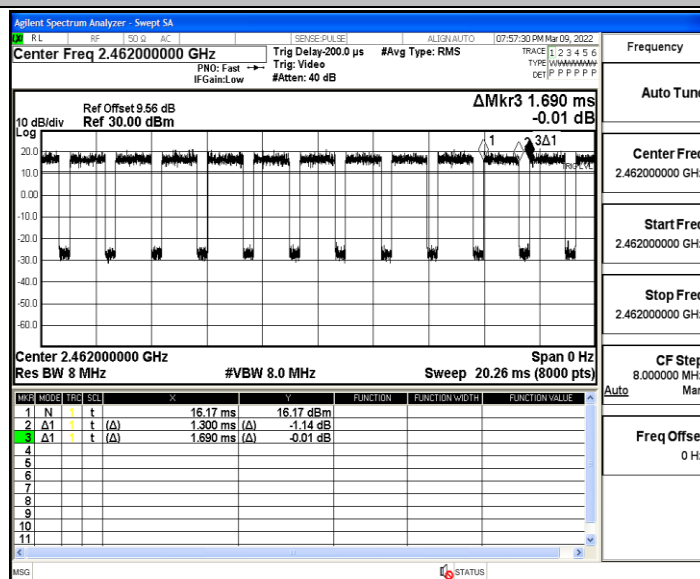
11N20MIMO_Ant1_2412



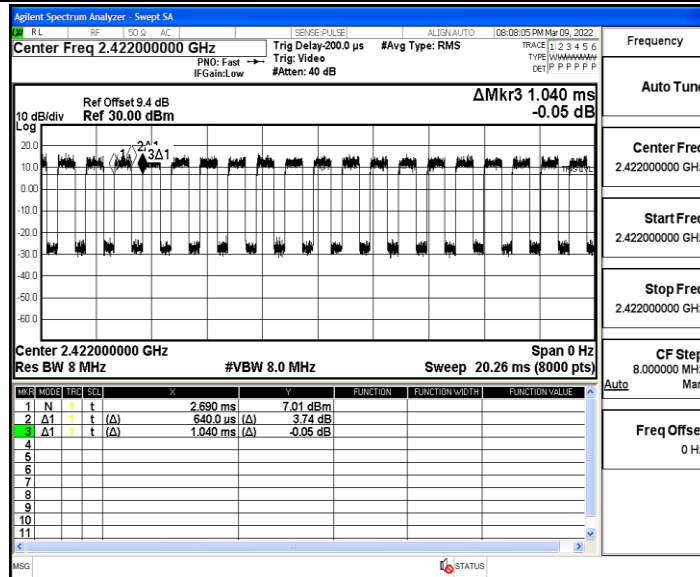
11N20MIMO_Ant1_2437



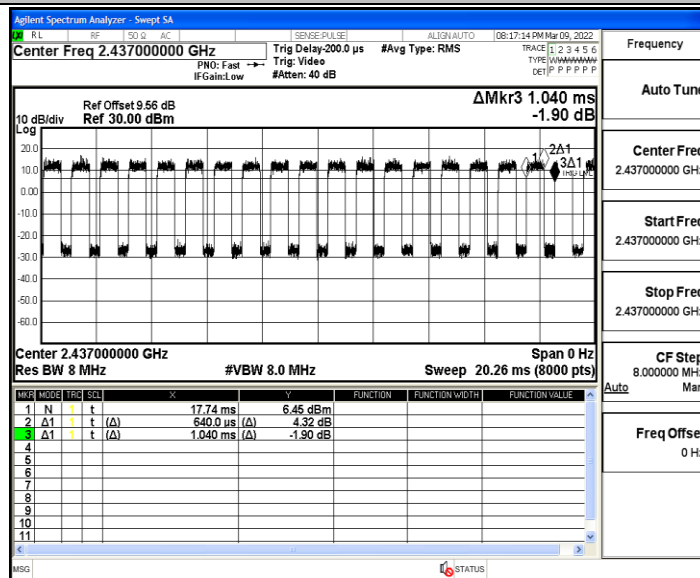
11N20MIMO_Ant1_2462



11N40MIMO_Ant1_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant1_2452

