

AppendixA: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.560	2407.480	2416.040	0.5	PASS
	Ant2	2412	8.040	2407.480	2415.520	0.5	PASS
	Ant1	2437	7.560	2432.960	2440.520	0.5	PASS
	Ant2	2437	8.120	2432.920	2441.040	0.5	PASS
	Ant1	2462	8.560	2457.480	2466.040	0.5	PASS
	Ant2	2462	8.080	2457.960	2466.040	0.5	PASS
11G	Ant1	2412	14.200	2404.440	2418.640	0.5	PASS
	Ant2	2412	15.640	2404.120	2419.760	0.5	PASS
	Ant1	2437	14.800	2429.080	2443.880	0.5	PASS
	Ant2	2437	15.680	2429.080	2444.760	0.5	PASS
	Ant1	2462	16.040	2454.120	2470.160	0.5	PASS
	Ant2	2462	14.800	2454.440	2469.240	0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.480	2420.400	0.5	PASS
	Ant2	2412	15.920	2404.480	2420.400	0.5	PASS
	Ant1	2437	17.160	2428.240	2445.400	0.5	PASS
	Ant2	2437	14.520	2429.120	2443.640	0.5	PASS
	Ant1	2462	16.800	2453.600	2470.400	0.5	PASS
	Ant2	2462	14.640	2455.760	2470.400	0.5	PASS
11N40SISO	Ant1	2422	34.240	2405.360	2439.600	0.5	PASS
	Ant2	2422	35.120	2404.400	2439.520	0.5	PASS
	Ant1	2437	35.120	2419.480	2454.600	0.5	PASS
	Ant2	2437	35.120	2419.480	2454.600	0.5	PASS
	Ant1	2452	35.360	2434.480	2469.840	0.5	PASS
	Ant2	2452	35.120	2434.400	2469.520	0.5	PASS

Test Graphs





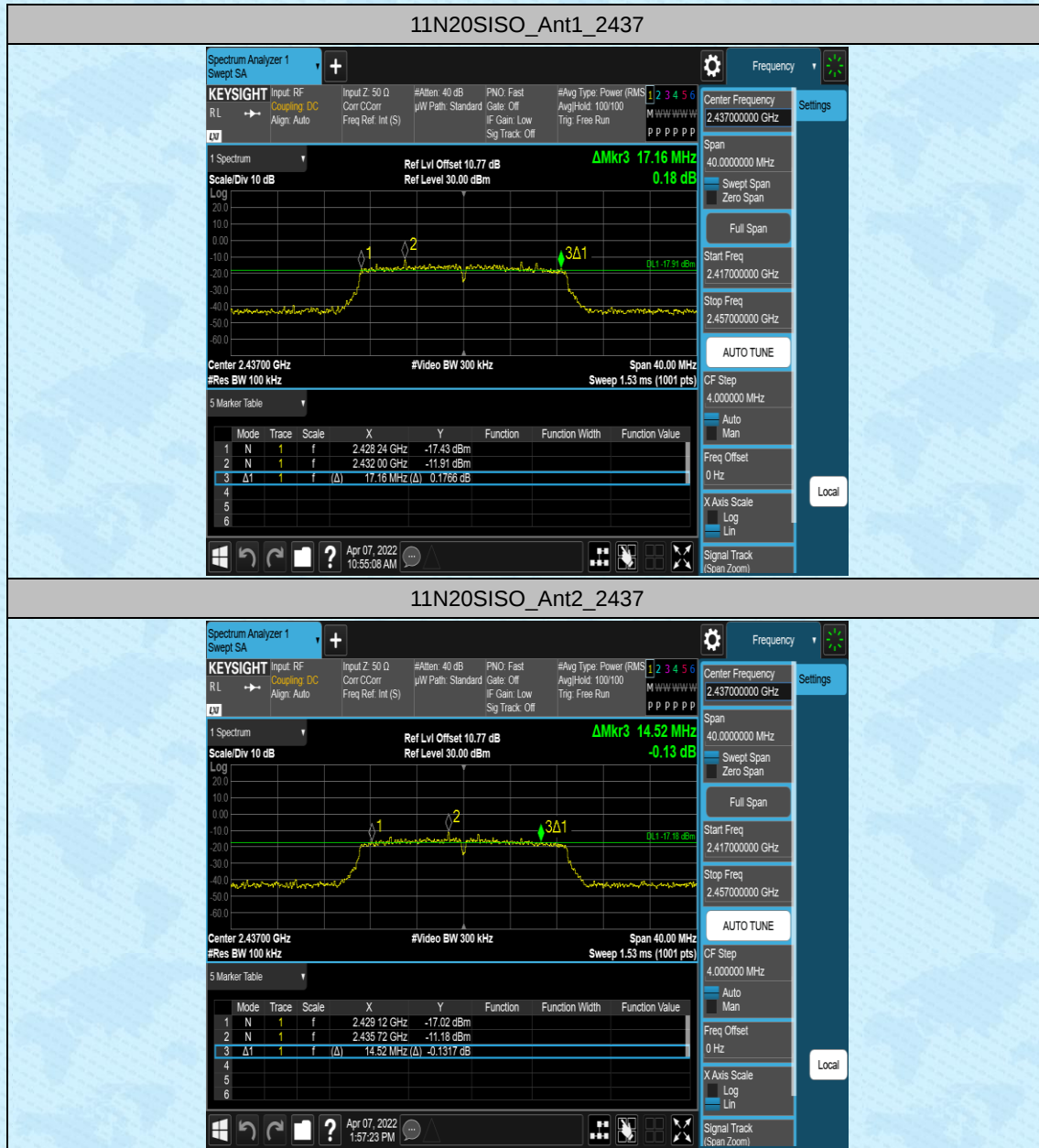




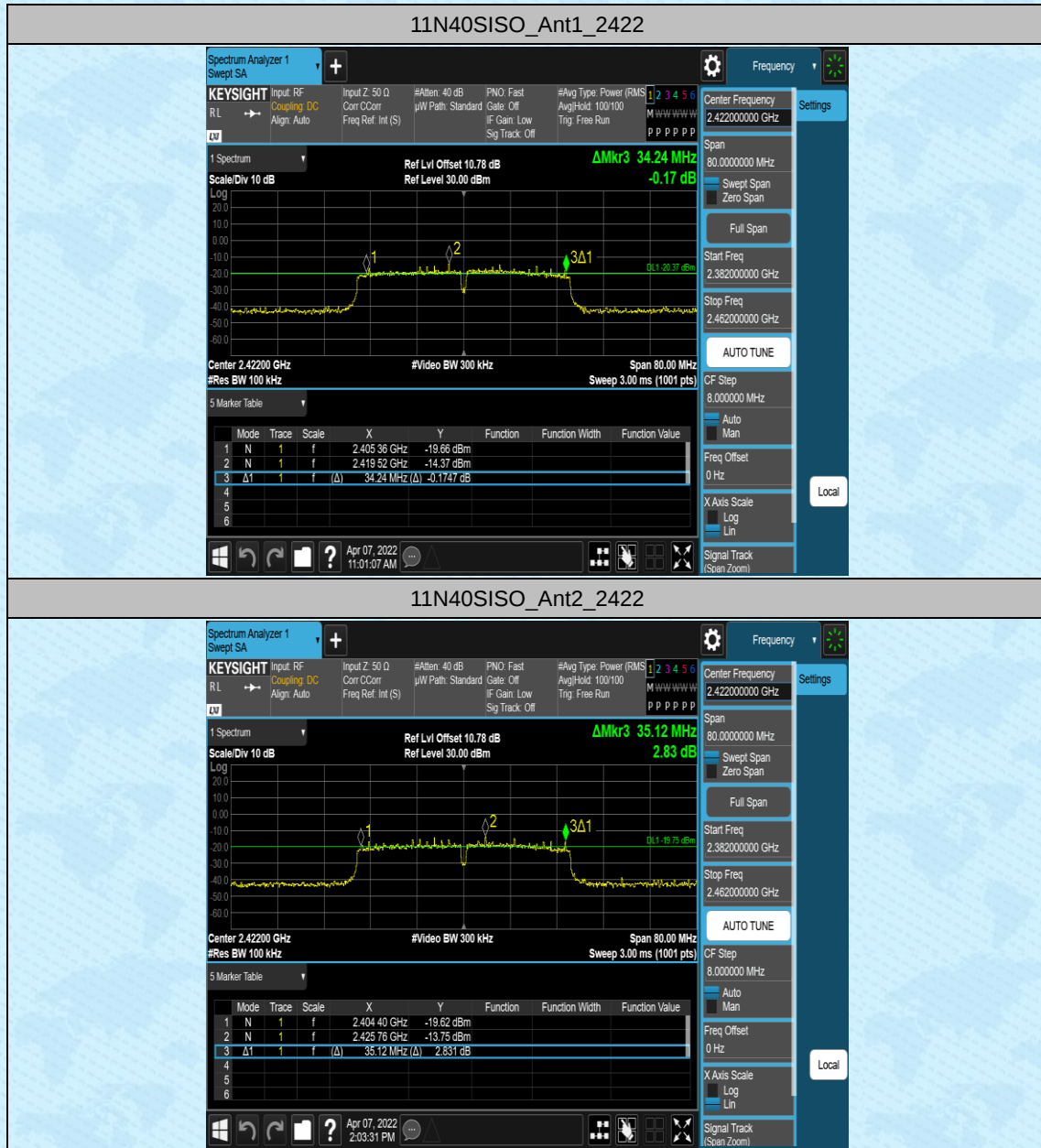


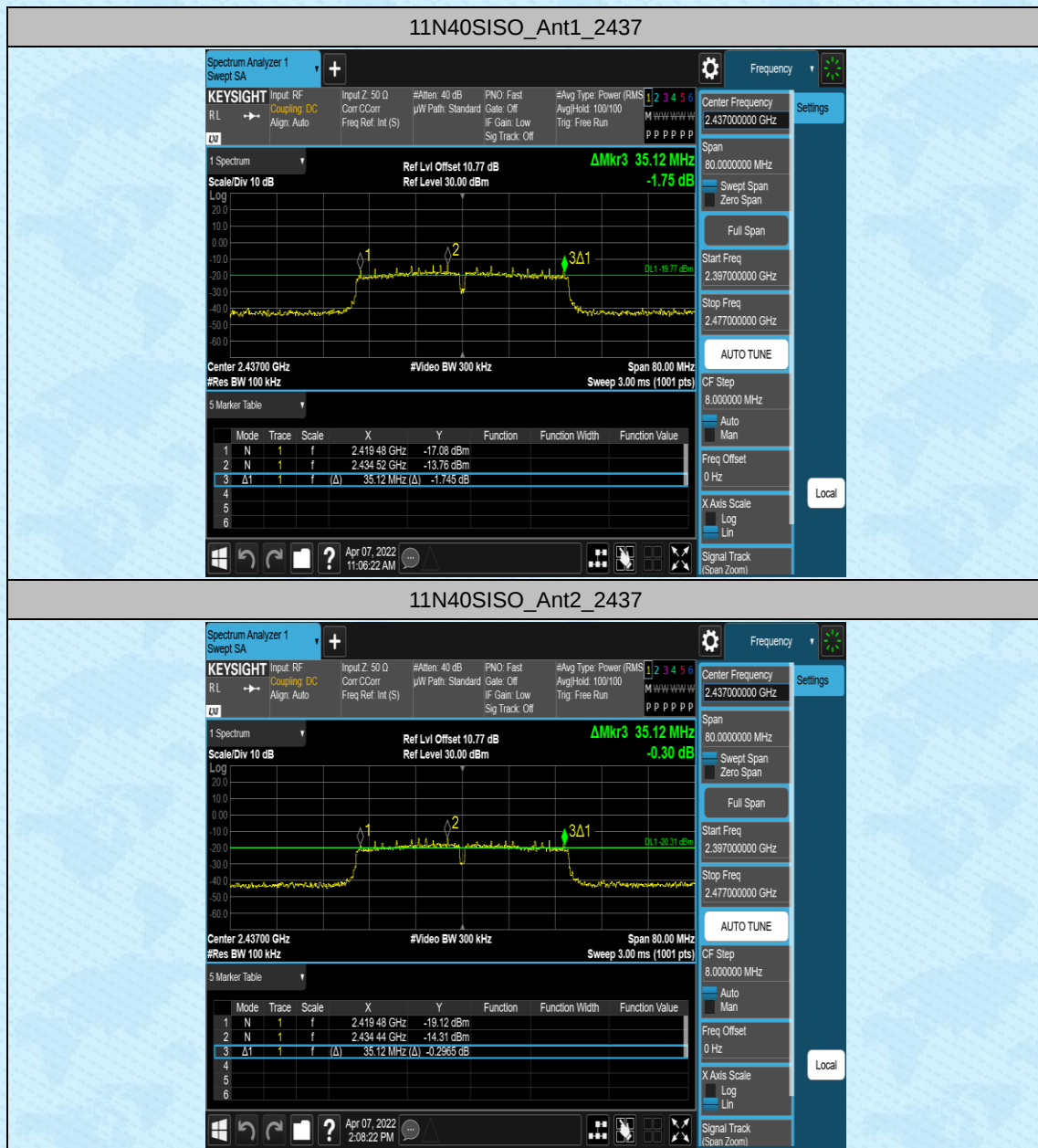


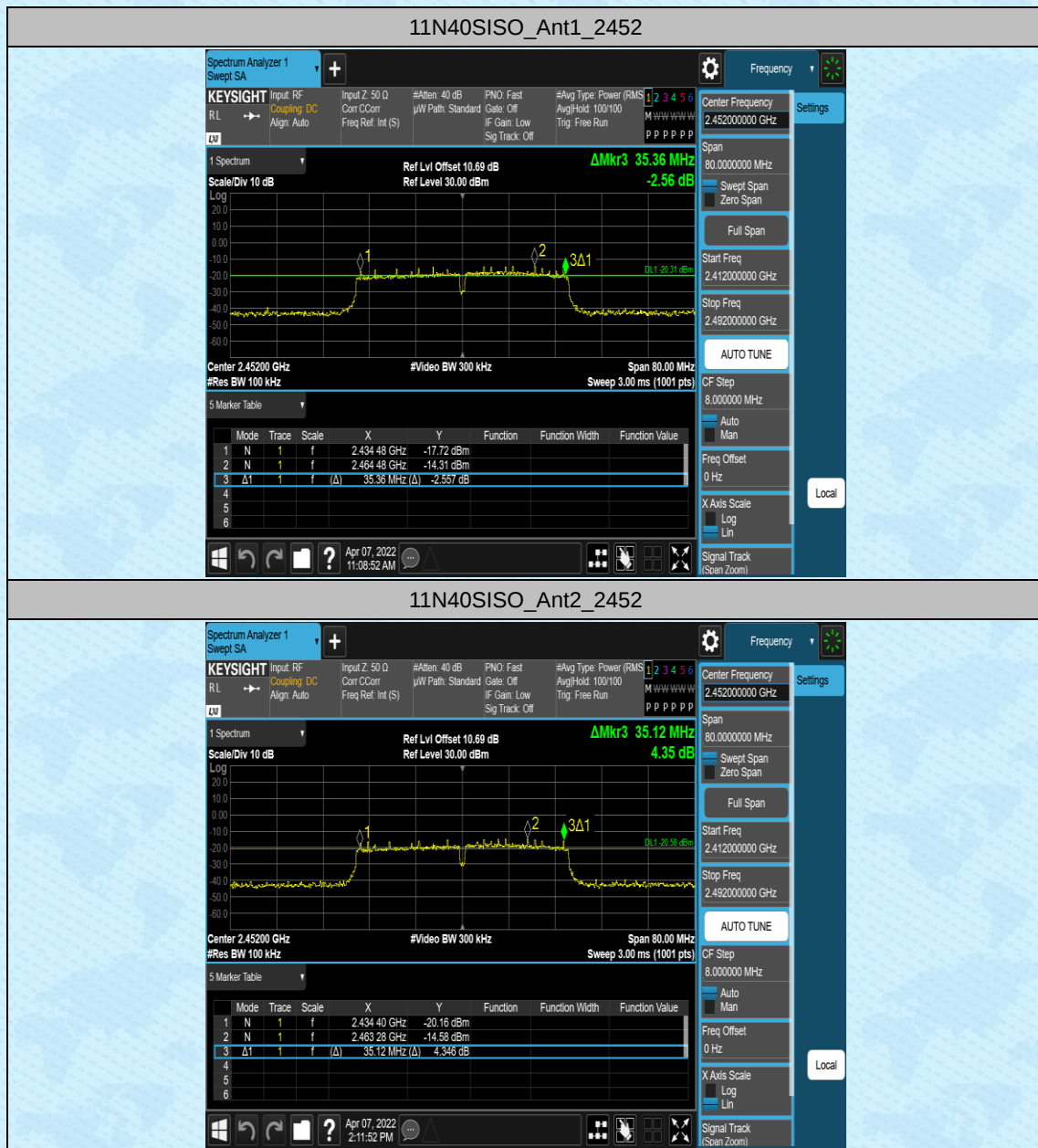












AppendixB: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.160	2404.890	2419.050	---	---
	Ant2	2412	14.447	2404.764	2419.211	---	---
	Ant1	2437	14.174	2429.860	2444.034	---	---
	Ant2	2437	14.154	2429.875	2444.029	---	---
	Ant1	2462	14.180	2454.968	2469.148	---	---
	Ant2	2462	14.127	2455.005	2469.132	---	---
11G	Ant1	2412	17.239	2403.296	2420.535	---	---
	Ant2	2412	16.952	2403.553	2420.505	---	---
	Ant1	2437	17.119	2428.342	2445.461	---	---
	Ant2	2437	17.127	2428.354	2445.481	---	---
	Ant1	2462	16.977	2453.542	2470.519	---	---
	Ant2	2462	16.923	2453.614	2470.537	---	---
11N20SISO	Ant1	2412	18.070	2402.991	2421.061	---	---
	Ant2	2412	17.994	2403.022	2421.016	---	---
	Ant1	2437	18.055	2427.926	2445.981	---	---
	Ant2	2437	18.064	2427.950	2446.014	---	---
	Ant1	2462	17.958	2453.034	2470.992	---	---
	Ant2	2462	17.941	2453.036	2470.977	---	---
11N40SISO	Ant1	2422	36.902	2403.557	2440.459	---	---
	Ant2	2422	36.882	2403.538	2440.420	---	---
	Ant1	2437	36.896	2418.614	2455.510	---	---
	Ant2	2437	36.927	2418.664	2455.591	---	---
	Ant1	2452	36.807	2433.621	2470.428	---	---
	Ant2	2452	36.918	2433.506	2470.424	---	---

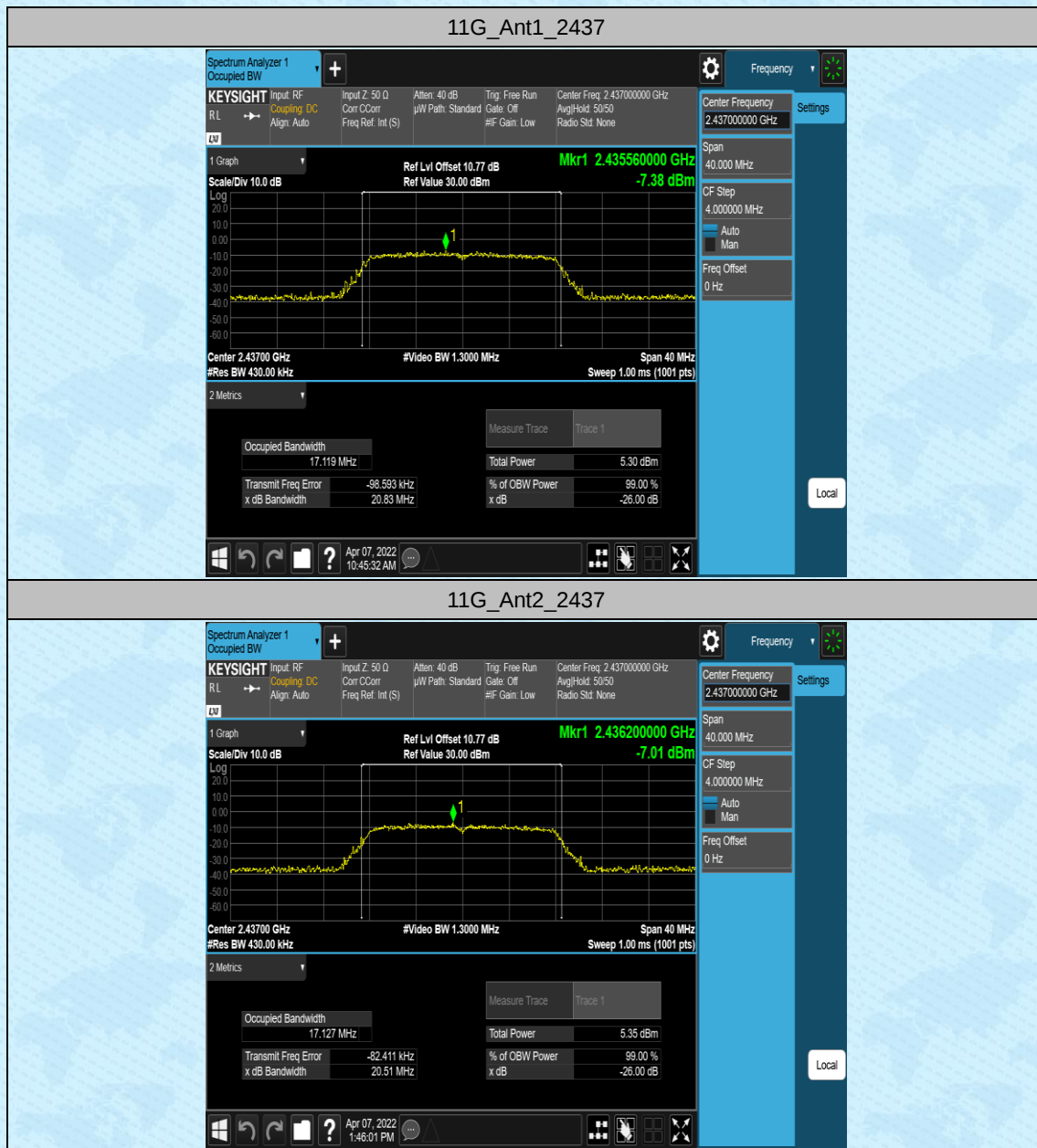
Test Graphs

























AppendixC: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.63	≤30.00	PASS
	Ant2	2412	13.94	≤30.00	PASS
	Ant1	2437	14.66	≤30.00	PASS
	Ant2	2437	14.75	≤30.00	PASS
	Ant1	2462	14.51	≤30.00	PASS
	Ant2	2462	14.47	≤30.00	PASS
11G	Ant1	2412	13.77	≤30.00	PASS
	Ant2	2412	13.15	≤30.00	PASS
	Ant1	2437	14.40	≤30.00	PASS
	Ant2	2437	13.62	≤30.00	PASS
	Ant1	2462	14.64	≤30.00	PASS
	Ant2	2462	14.47	≤30.00	PASS
11N20MIMO	Ant1	2412	10.50	≤30.00	PASS
	Ant2	2412	9.71	≤30.00	PASS
	total	2412	13.13	≤30.00	PASS
	Ant1	2437	10.25	≤30.00	PASS
	Ant2	2437	9.13	≤30.00	PASS
	total	2437	12.74	≤30.00	PASS
	Ant1	2462	10.05	≤30.00	PASS
	Ant2	2462	9.58	≤30.00	PASS
	total	2462	12.83	≤30.00	PASS
11N40MIMO	Ant1	2422	9.64	≤30.00	PASS
	Ant2	2422	9.55	≤30.00	PASS
	total	2422	12.61	≤30.00	PASS
	Ant1	2437	9.87	≤30.00	PASS
	Ant2	2437	9.95	≤30.00	PASS
	total	2437	12.92	≤30.00	PASS
	Ant1	2452	9.80	≤30.00	PASS
	Ant2	2452	9.71	≤30.00	PASS
	total	2452	12.77	≤30.00	PASS

Transmit signals are completely correlated

Directional gain= $G_{ANT} + 10 \cdot \log 2 = 6.01$

AppendixD: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-23.67	≤8.00	PASS
	Ant2	2412	-24.67	≤8.00	PASS
	Ant1	2437	-22.48	≤8.00	PASS
	Ant2	2437	-22.14	≤8.00	PASS
	Ant1	2462	-24.22	≤8.00	PASS
	Ant2	2462	-24.07	≤8.00	PASS
11G	Ant1	2412	-27.21	≤8.00	PASS
	Ant2	2412	-28.64	≤8.00	PASS
	Ant1	2437	-27.78	≤8.00	PASS
	Ant2	2437	-26.02	≤8.00	PASS
	Ant1	2462	-27.2	≤8.00	PASS
	Ant2	2462	-26.97	≤8.00	PASS
11N20MIMO	Ant1	2412	-29.42	≤8.00	PASS
	Ant2	2412	-30.35	≤8.00	PASS
	total	2412	-26.85	≤8.00	PASS
	Ant1	2437	-29.94	≤8.00	PASS
	Ant2	2437	-29.56	≤8.00	PASS
	total	2437	-26.74	≤8.00	PASS
	Ant1	2462	-28.86	≤8.00	PASS
	Ant2	2462	-29.77	≤8.00	PASS
	total	2462	-26.28	≤8.00	PASS
11N40MIMO	Ant1	2422	-32.22	≤8.00	PASS
	Ant2	2422	-33.19	≤8.00	PASS
	total	2422	-29.67	≤8.00	PASS
	Ant1	2437	-32.55	≤8.00	PASS
	Ant2	2437	-32.7	≤8.00	PASS
	total	2437	-29.61	≤8.00	PASS
	Ant1	2452	-32.69	≤8.00	PASS
	Ant2	2452	-32.83	≤8.00	PASS
	total	2452	-29.75	≤8.00	PASS

Test Graphs

