

AppendixA: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.960	2407.080	2417.040	0.5	PASS
	Ant2	2412	7.040	2408.000	2415.040	0.5	PASS
	Ant1	2437	9.840	2431.960	2441.800	0.5	PASS
	Ant2	2437	8.080	2432.480	2440.560	0.5	PASS
	Ant1	2462	10.080	2456.960	2467.040	0.5	PASS
	Ant2	2462	8.040	2458.000	2466.040	0.5	PASS
11G	Ant1	2412	16.280	2403.840	2420.120	0.5	PASS
	Ant2	2412	16.320	2403.840	2420.160	0.5	PASS
	Ant1	2437	16.320	2428.840	2445.160	0.5	PASS
	Ant2	2437	15.280	2429.200	2444.480	0.5	PASS
	Ant1	2462	16.320	2453.840	2470.160	0.5	PASS
	Ant2	2462	16.040	2454.120	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.480	2420.400	0.5	PASS
	Ant2	2412	17.160	2403.240	2420.400	0.5	PASS
	Ant1	2437	17.120	2428.240	2445.360	0.5	PASS
	Ant2	2437	16.920	2428.200	2445.120	0.5	PASS
	Ant1	2462	16.280	2454.120	2470.400	0.5	PASS
	Ant2	2462	17.160	2453.600	2470.760	0.5	PASS
11N40SISO	Ant1	2422	32.560	2404.480	2437.040	0.5	PASS
	Ant2	2422	33.120	2404.240	2437.360	0.5	PASS
	Ant1	2437	35.040	2419.480	2454.520	0.5	PASS
	Ant2	2437	35.200	2419.400	2454.600	0.5	PASS
	Ant1	2452	34.960	2434.560	2469.520	0.5	PASS
	Ant2	2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs





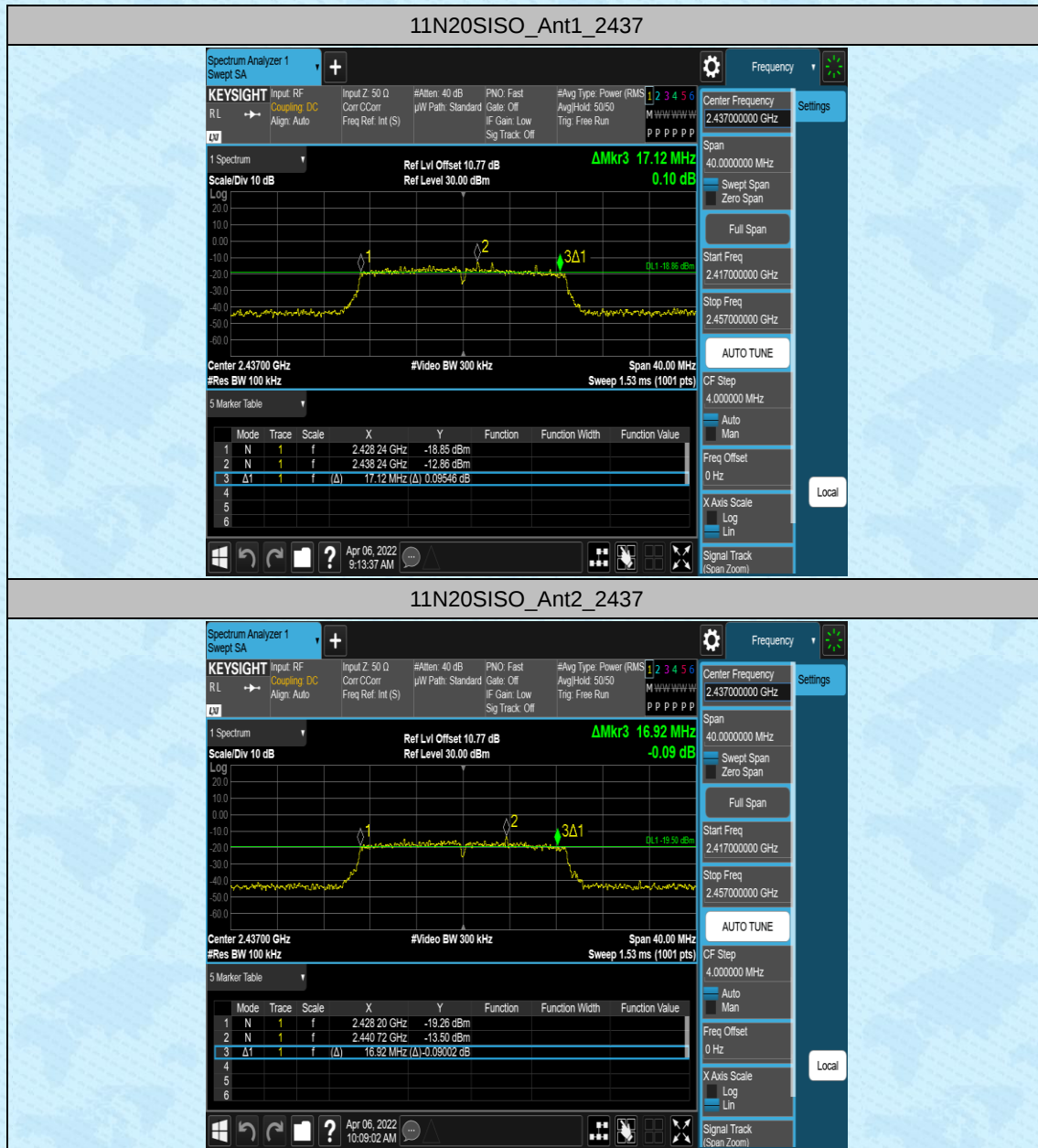




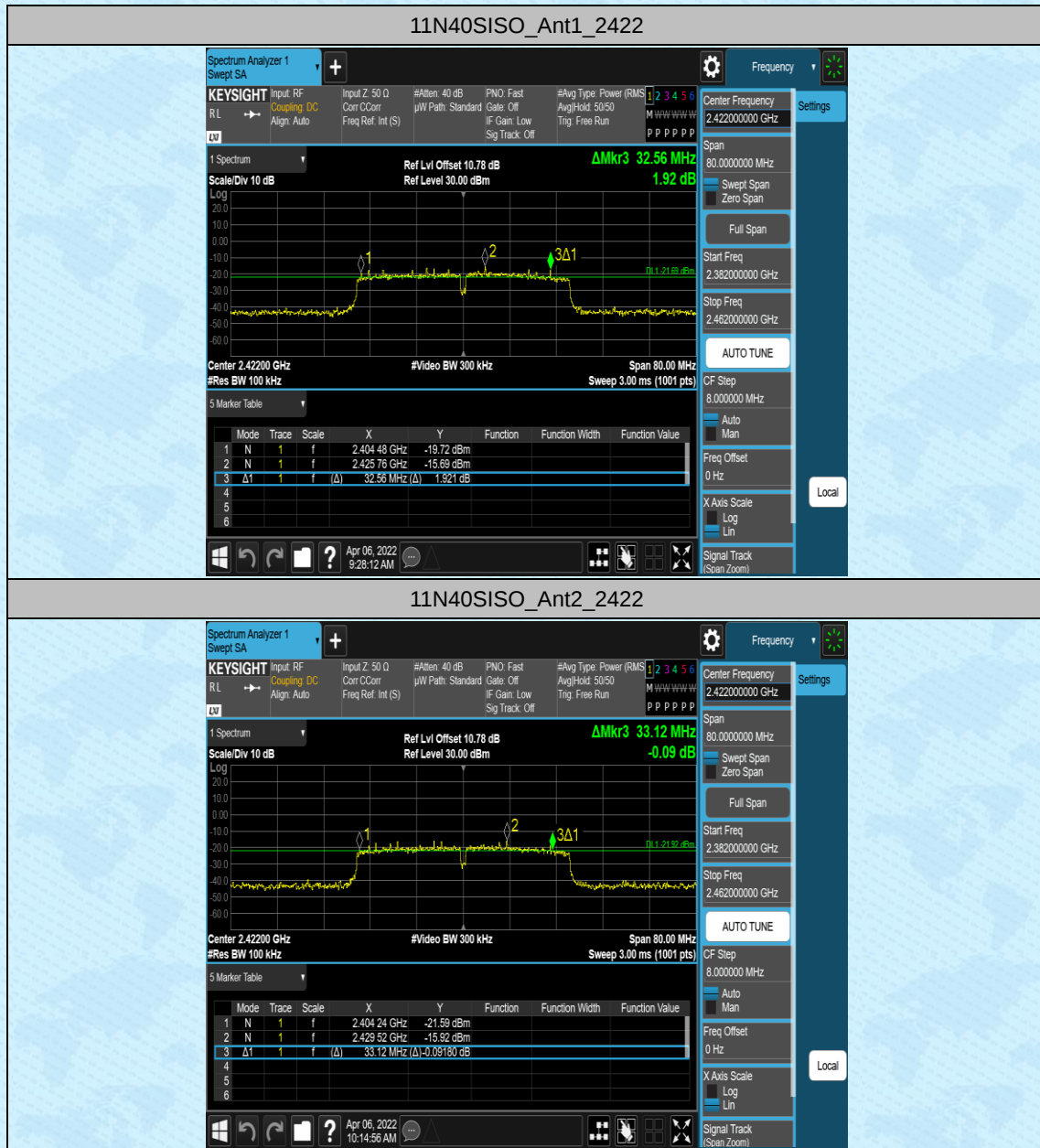


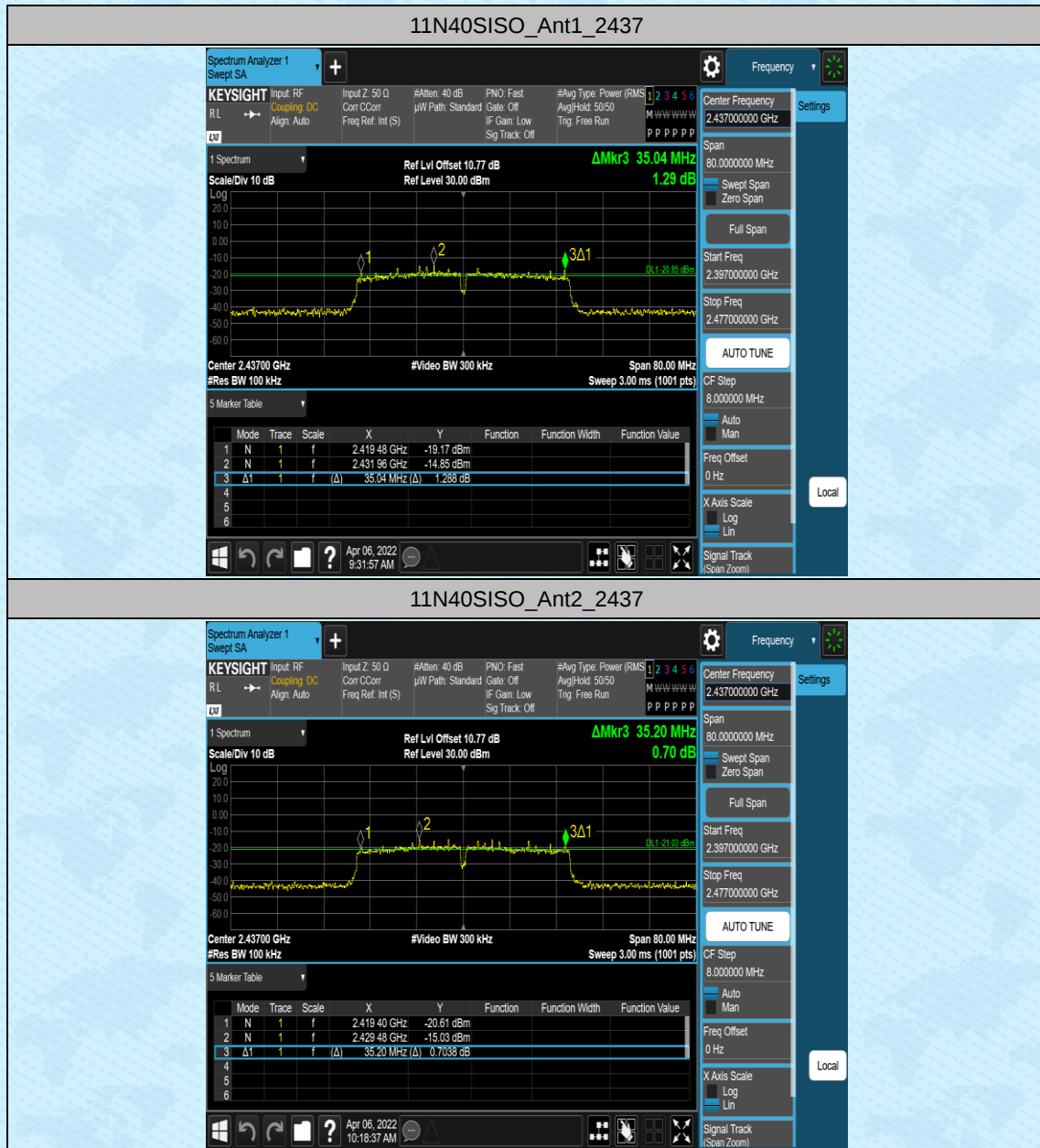


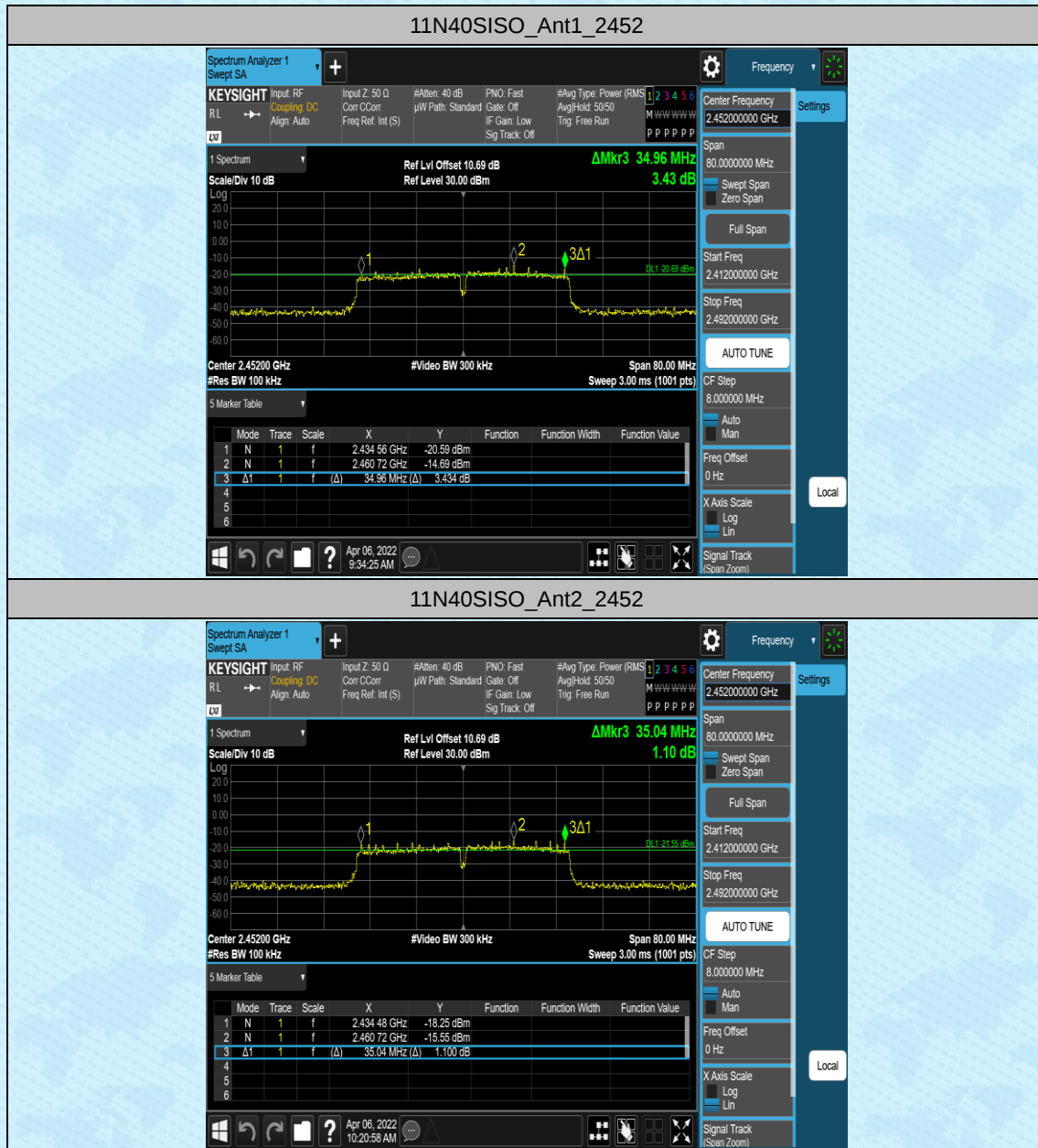












AppendixB: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.351	2404.817	2419.168	---	---
	Ant2	2412	15.498	2404.291	2419.789	---	---
	Ant1	2437	14.285	2429.882	2444.167	---	---
	Ant2	2437	14.176	2429.862	2444.038	---	---
	Ant1	2462	14.269	2454.867	2469.136	---	---
	Ant2	2462	13.860	2455.122	2468.982	---	---
11G	Ant1	2412	16.758	2403.611	2420.369	---	---
	Ant2	2412	17.152	2403.414	2420.566	---	---
	Ant1	2437	16.940	2428.491	2445.431	---	---
	Ant2	2437	17.176	2428.381	2445.557	---	---
	Ant1	2462	16.963	2453.464	2470.427	---	---
	Ant2	2462	17.124	2453.420	2470.544	---	---
11N20SISO	Ant1	2412	18.076	2402.993	2421.069	---	---
	Ant2	2412	18.074	2402.990	2421.064	---	---
	Ant1	2437	17.937	2427.965	2445.902	---	---
	Ant2	2437	18.116	2427.913	2446.029	---	---
	Ant1	2462	18.023	2452.996	2471.019	---	---
	Ant2	2462	18.009	2453.036	2471.045	---	---
11N40SISO	Ant1	2422	36.929	2403.566	2440.495	---	---
	Ant2	2422	37.062	2403.403	2440.465	---	---
	Ant1	2437	37.207	2418.409	2455.616	---	---
	Ant2	2437	37.134	2418.490	2455.624	---	---
	Ant1	2452	37.133	2433.456	2470.589	---	---
	Ant2	2452	37.247	2433.426	2470.673	---	---

Test Graphs

























AppendixC: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	13.88	≤30.00	PASS
	Ant2	2412	14.90	≤30.00	PASS
	Ant1	2437	14.33	≤30.00	PASS
	Ant2	2437	13.16	≤30.00	PASS
	Ant1	2462	12.55	≤30.00	PASS
	Ant2	2462	14.78	≤30.00	PASS
11G	Ant1	2412	13.80	≤30.00	PASS
	Ant2	2412	12.30	≤30.00	PASS
	Ant1	2437	11.86	≤30.00	PASS
	Ant2	2437	11.49	≤30.00	PASS
	Ant1	2462	12.78	≤30.00	PASS
	Ant2	2462	12.58	≤30.00	PASS
11N20MIMO	Ant1	2412	9.64	≤30.00	PASS
	Ant2	2412	9.14	≤30.00	PASS
	total	2412	12.41	≤30.00	PASS
	Ant1	2437	10.51	≤30.00	PASS
	Ant2	2437	9.85	≤30.00	PASS
	total	2437	13.20	≤30.00	PASS
	Ant1	2462	10.25	≤30.00	PASS
	Ant2	2462	9.14	≤30.00	PASS
	total	2462	12.74	≤30.00	PASS
11N40MIMO	Ant1	2422	10.74	≤30.00	PASS
	Ant2	2422	10.17	≤30.00	PASS
	total	2422	13.47	≤30.00	PASS
	Ant1	2437	9.73	≤30.00	PASS
	Ant2	2437	10.50	≤30.00	PASS
	total	2437	13.14	≤30.00	PASS
	Ant1	2452	10.66	≤30.00	PASS
	Ant2	2452	9.59	≤30.00	PASS
	total	2452	13.17	≤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	-14.12	≤8.00	PASS
	Ant2	2412	-25.67	≤8.00	PASS
	Ant1	2437	-13.33	≤8.00	PASS
	Ant2	2437	-22.25	≤8.00	PASS
	Ant1	2462	-15.37	≤8.00	PASS
	Ant2	2462	-20.4	≤8.00	PASS
11G	Ant1	2412	-27.73	≤8.00	PASS
	Ant2	2412	-27.9	≤8.00	PASS
	Ant1	2437	-27.13	≤8.00	PASS
	Ant2	2437	-28.58	≤8.00	PASS
	Ant1	2462	-26.72	≤8.00	PASS
	Ant2	2462	-29	≤8.00	PASS
11N20MIMO	Ant1	2412	-29.84	≤8.00	PASS
	Ant2	2412	-30.31	≤8.00	PASS
	total	2412	-27.06	≤8.00	PASS
	Ant1	2437	-30.52	≤8.00	PASS
	Ant2	2437	-30.99	≤8.00	PASS
	total	2437	-27.74	≤8.00	PASS
	Ant1	2462	-28.8	≤8.00	PASS
	Ant2	2462	-30.82	≤8.00	PASS
	total	2462	-26.68	≤8.00	PASS
11N40MIMO	Ant1	2422	-32.32	≤8.00	PASS
	Ant2	2422	-33.05	≤8.00	PASS
	total	2422	-29.66	≤8.00	PASS
	Ant1	2437	-32.75	≤8.00	PASS
	Ant2	2437	-32.81	≤8.00	PASS
	total	2437	-29.77	≤8.00	PASS
	Ant1	2452	-32.83	≤8.00	PASS
	Ant2	2452	-32.63	≤8.00	PASS
	total	2452	-29.72	≤8.00	PASS

Test Graphs



