

APPENDIX B:

WLAN

DTS BANDWIDTH TEST RESULT

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	8.040	2408.000	2416.040	0.5	PASS
	Ant2	2412	7.560	2407.960	2415.520	0.5	PASS
	Ant1	2437	7.560	2433.440	2441.000	0.5	PASS
	Ant2	2437	8.080	2432.960	2441.040	0.5	PASS
	Ant1	2462	7.560	2458.440	2466.000	0.5	PASS
	Ant2	2462	8.040	2457.960	2466.000	0.5	PASS
11G-CDD	Ant1	2412	15.920	2403.840	2419.760	0.5	PASS
	Ant2	2412	16.320	2403.840	2420.160	0.5	PASS
	Ant1	2437	15.760	2429.200	2444.960	0.5	PASS
	Ant2	2437	15.880	2429.280	2445.160	0.5	PASS
	Ant1	2462	16.320	2453.840	2470.160	0.5	PASS
	Ant2	2462	16.320	2453.840	2470.160	0.5	PASS
11N20MIMO	Ant1	2412	14.640	2404.840	2419.480	0.5	PASS
	Ant2	2412	16.160	2403.600	2419.760	0.5	PASS
	Ant1	2437	16.920	2428.840	2445.760	0.5	PASS
	Ant2	2437	16.720	2428.640	2445.360	0.5	PASS
	Ant1	2462	17.560	2453.200	2470.760	0.5	PASS
	Ant2	2462	16.560	2453.840	2470.400	0.5	PASS
11N40MIMO	Ant1	2422	35.360	2404.080	2439.440	0.5	PASS
	Ant2	2422	35.920	2403.840	2439.760	0.5	PASS
	Ant1	2437	36.320	2418.840	2455.160	0.5	PASS
	Ant2	2437	36.240	2418.840	2455.080	0.5	PASS
	Ant1	2452	35.520	2434.080	2469.600	0.5	PASS
	Ant2	2452	35.440	2434.080	2469.520	0.5	PASS
11AX20MIMO	Ant1	2412	17.120	2402.680	2419.800	0.5	PASS
	Ant2	2412	18.680	2402.680	2421.360	0.5	PASS
	Ant1	2437	18.000	2428.200	2446.200	0.5	PASS
	Ant2	2437	17.920	2428.440	2446.360	0.5	PASS
	Ant1	2462	18.400	2452.760	2471.160	0.5	PASS
	Ant2	2462	18.400	2452.800	2471.200	0.5	PASS
11AX40MIMO	Ant1	2422	37.680	2403.120	2440.800	0.5	PASS
	Ant2	2422	36.720	2403.680	2440.400	0.5	PASS
	Ant1	2437	37.520	2418.040	2455.560	0.5	PASS
	Ant2	2437	37.280	2418.360	2455.640	0.5	PASS
	Ant1	2452	36.080	2433.600	2469.680	0.5	PASS
	Ant2	2452	37.280	2433.520	2470.800	0.5	PASS

TEST GRAPHS





11B-CDD Ant2 2437



11B-CDD Ant1 2462



11B-CDD Ant2 2462



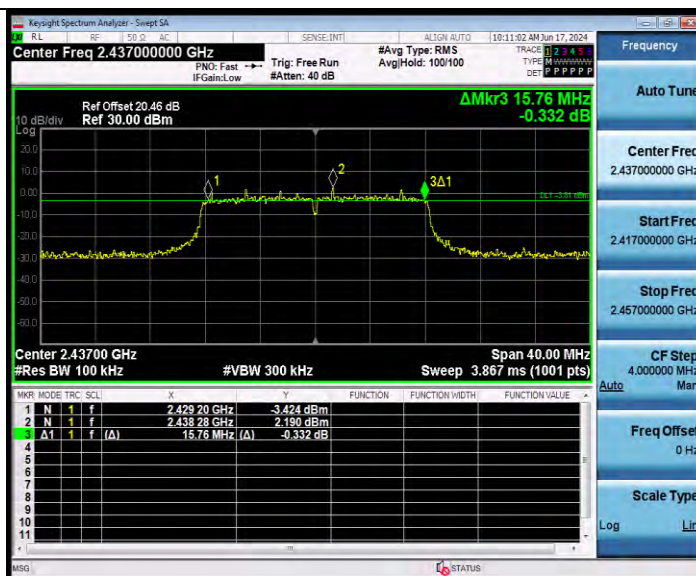
11G-CDD Ant1 2412



11G-CDD Ant2 2412



11G-CDD Ant1 2437



11G-CDD Ant2 2437



11G-CDD Ant1 2462



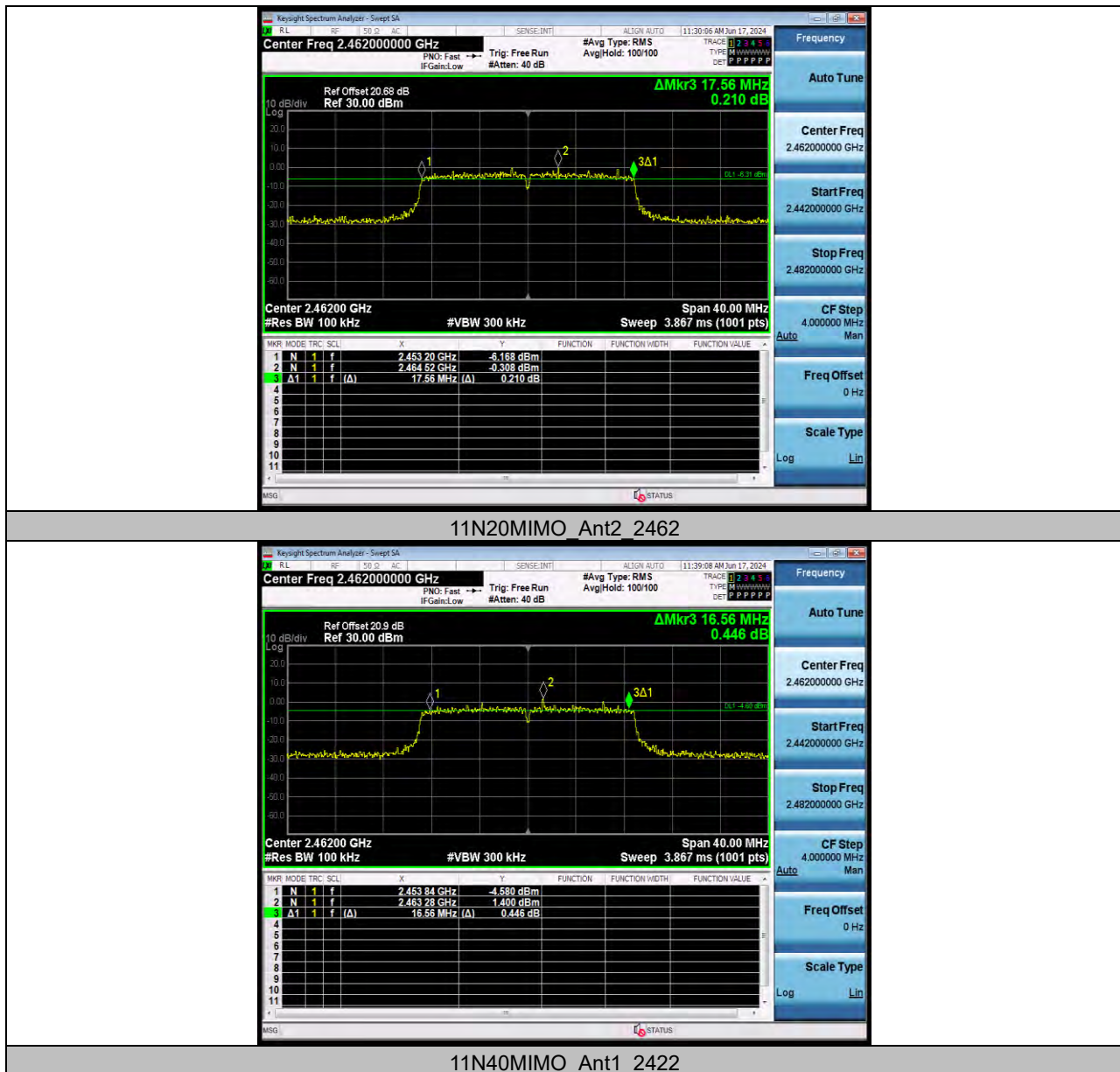


11N20MIMO Ant2 2412



11N20MIMO Ant1 2437



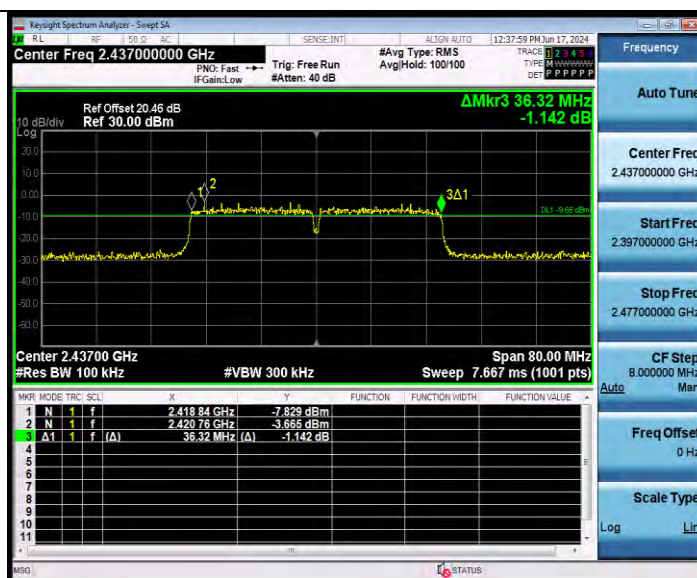




11N40MIMO Ant2 2422



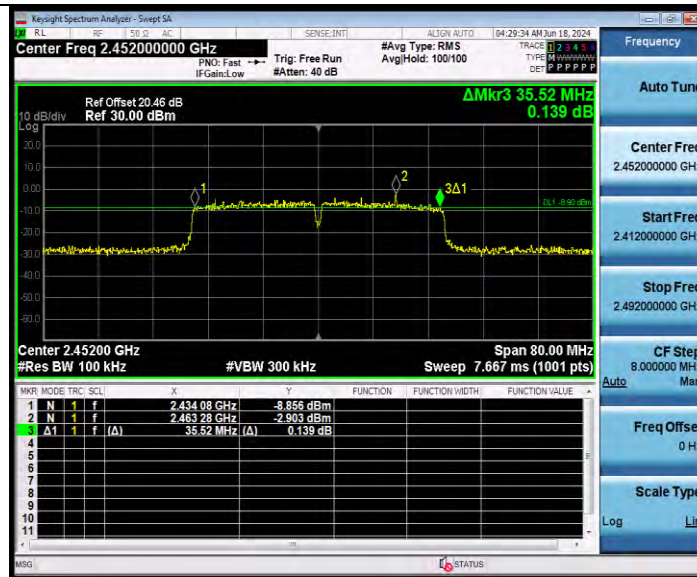
11N40MIMO Ant1 2437



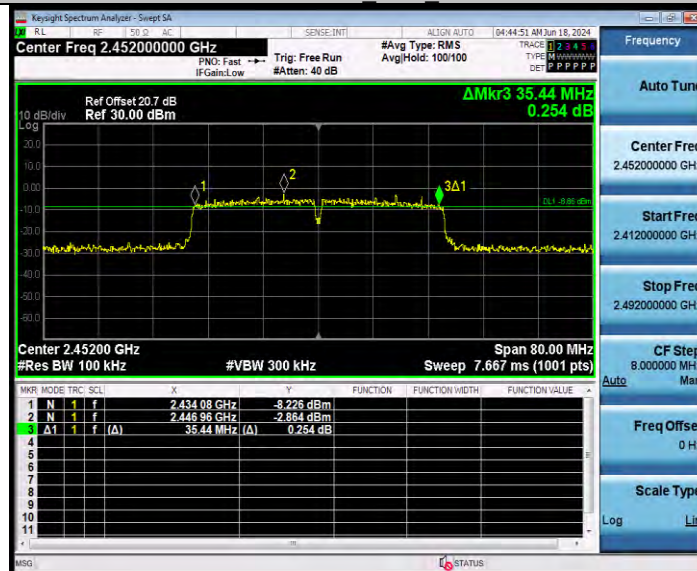
11N40MIMO Ant2 2437



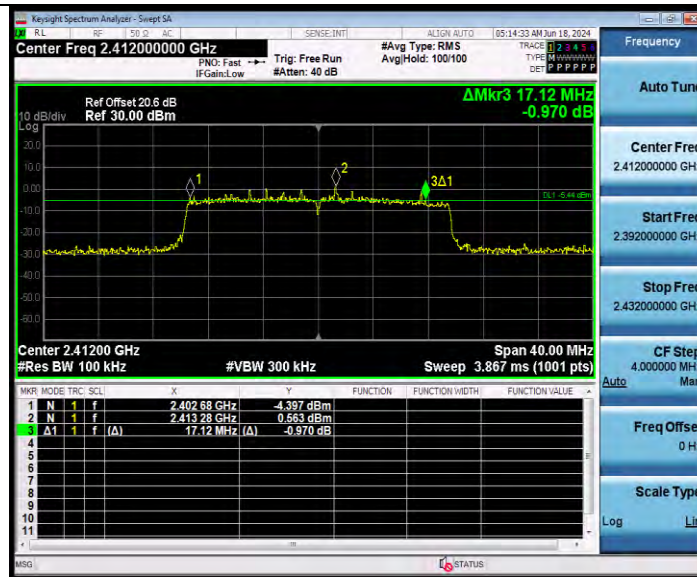
11N40MIMO Ant1 2452



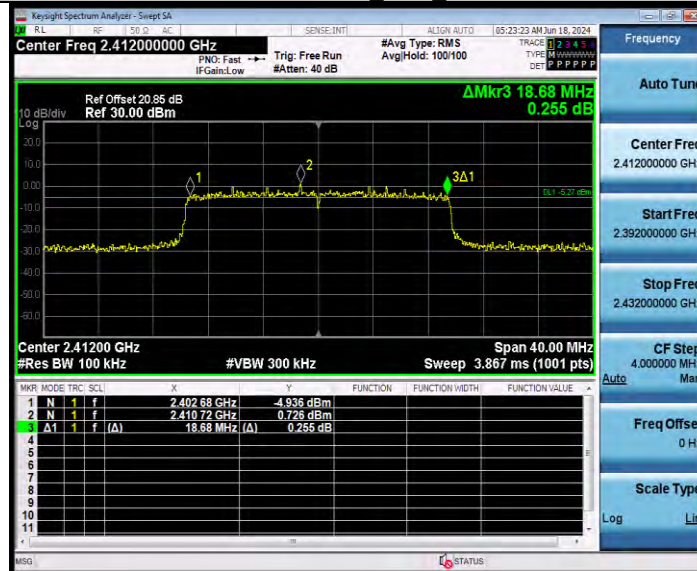
11N40MIMO_Ant2_2452



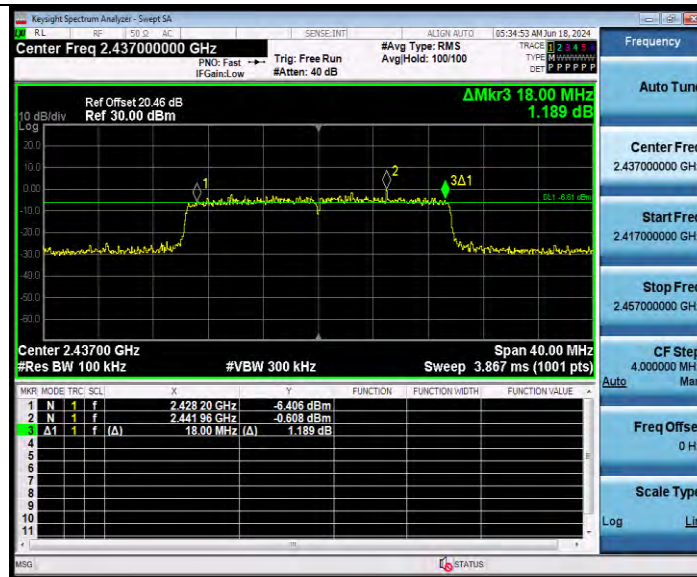
11AX20MIMO_Ant1_2412



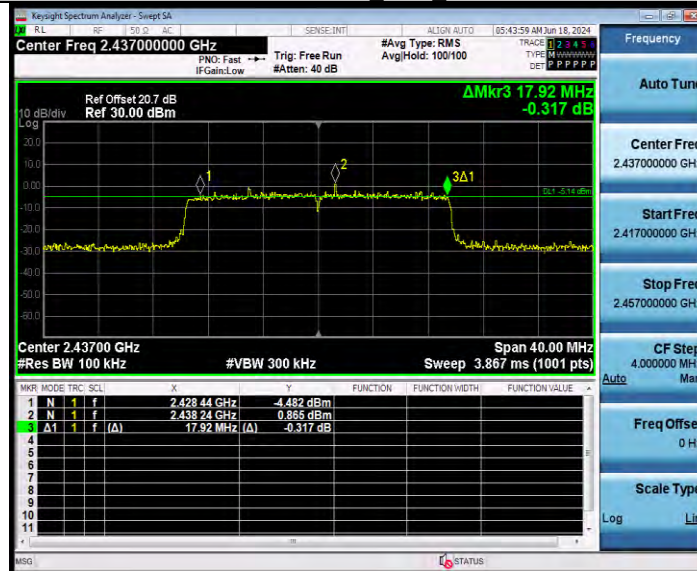
11AX20MIMO_Ant2_2412



11AX20MIMO_Ant1_2437



11AX20MIMO_Ant2_2437

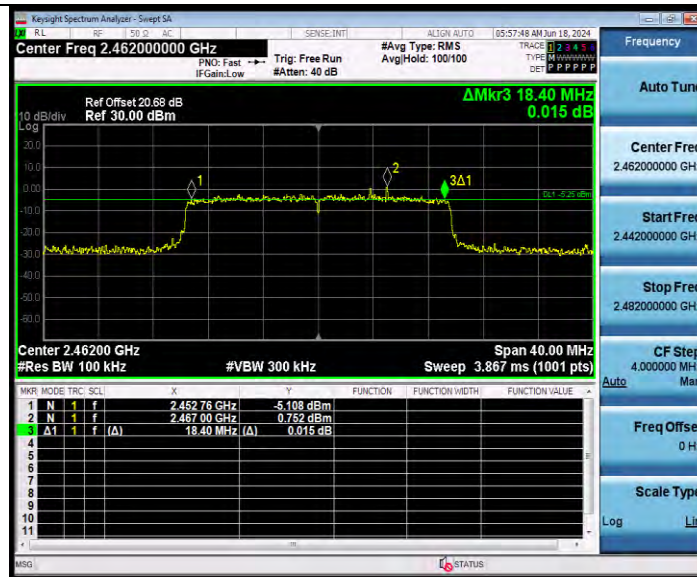


11AX20MIMO_Ant1_2462



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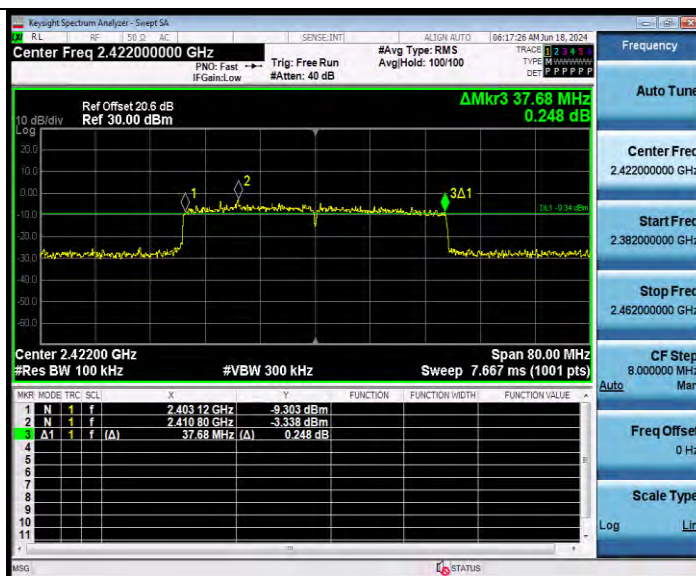
Reference No.: W7L-P24050018RF02



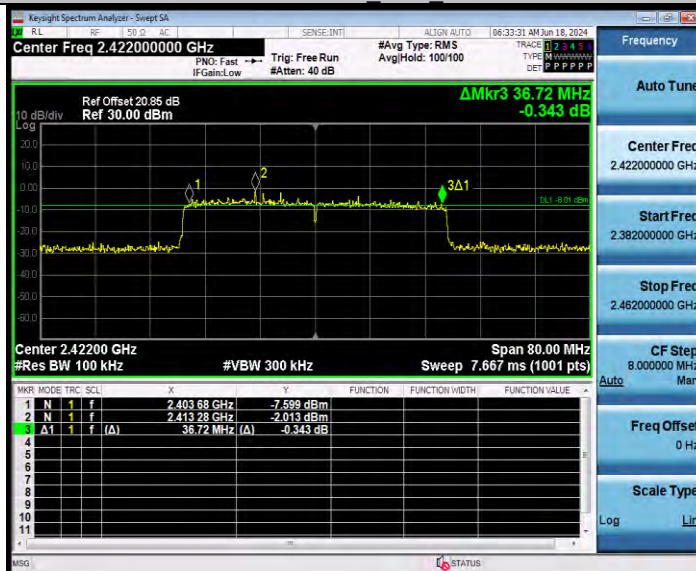
11AX20MIMO_Ant2_2462



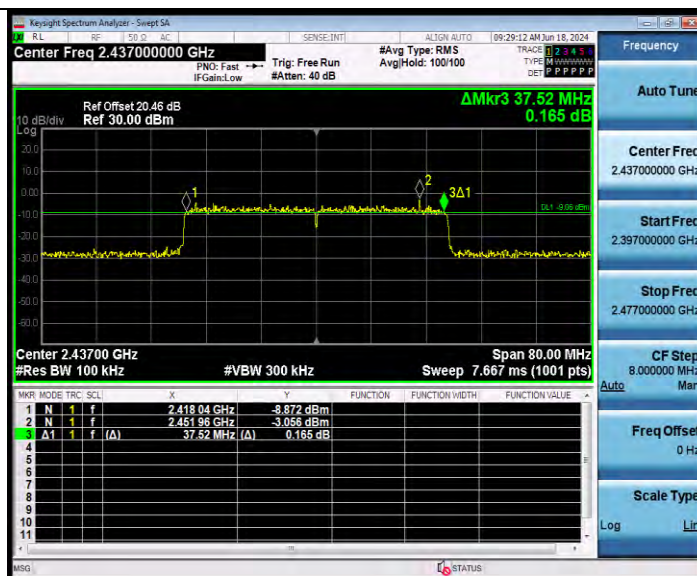
11AX40MIMO_Ant1_2422



11AX40MIMO_Ant2_2422



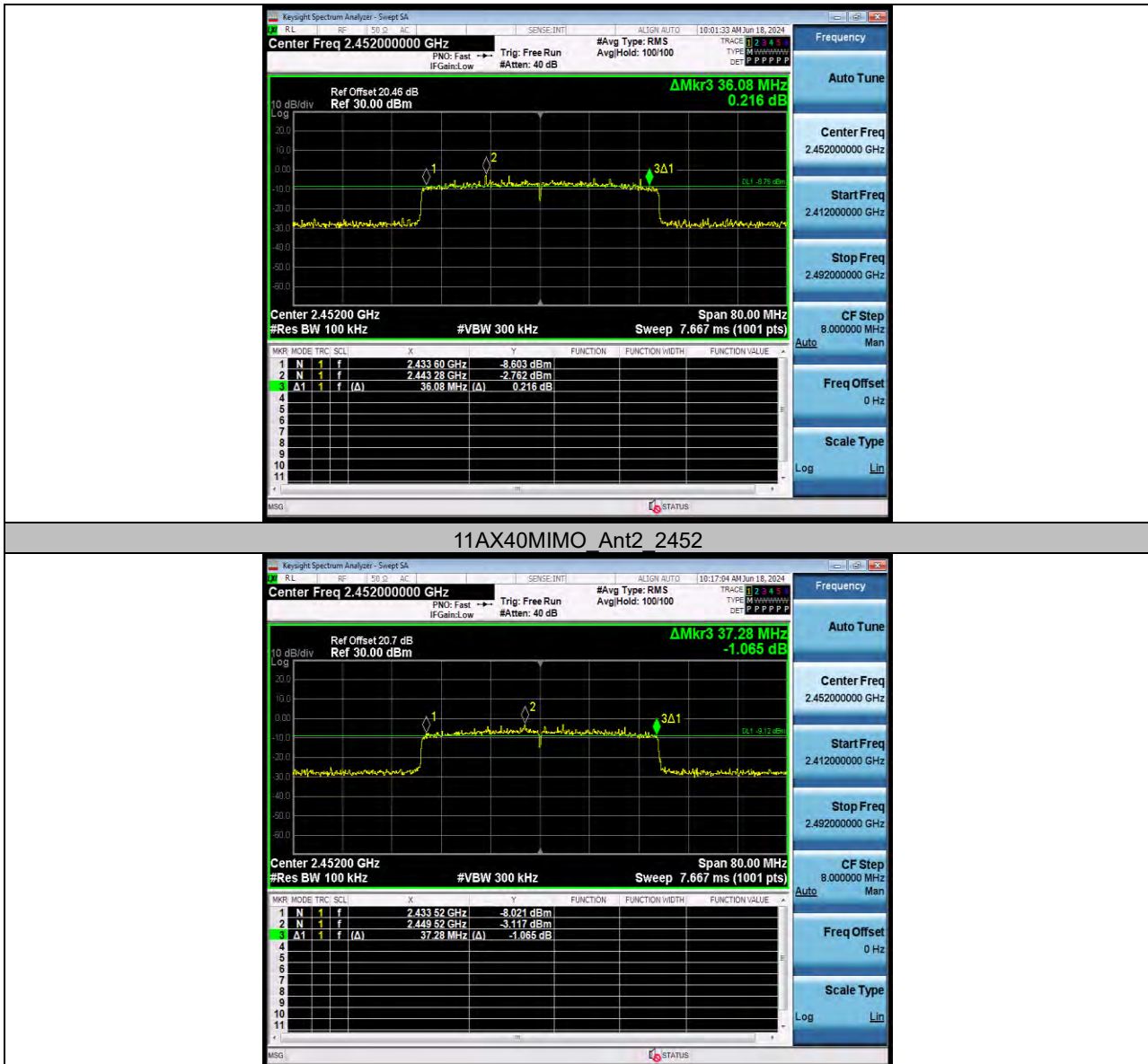
11AX40MIMO_Ant1_2437



11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452

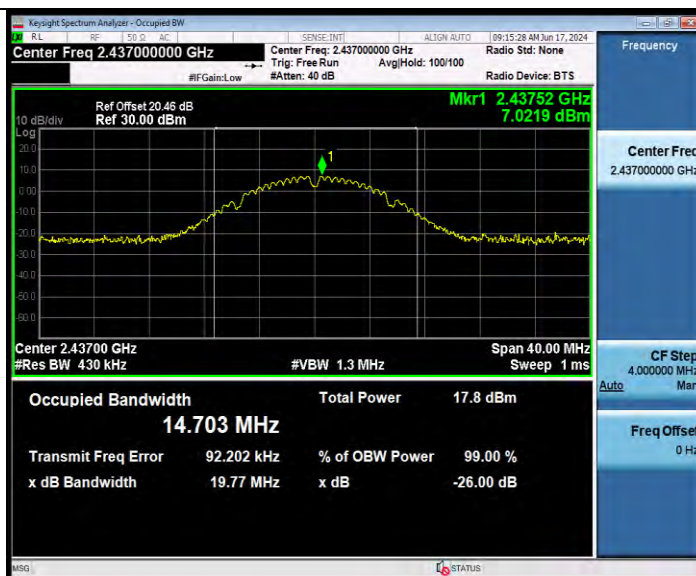


OCCUPIED CHANNEL BANDWIDTH TEST RESULT

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	14.287	2404.7732	2419.0602	---	---
	Ant2	2412	13.667	2405.4361	2419.1031	---	---
	Ant1	2437	14.703	2429.7407	2444.4437	---	---
	Ant2	2437	14.492	2429.8244	2444.3164	---	---
	Ant1	2462	14.295	2454.8598	2469.1548	---	---
	Ant2	2462	14.352	2454.8751	2469.2271	---	---
11G-CDD	Ant1	2412	16.696	2403.6382	2420.3342	---	---
	Ant2	2412	16.609	2403.7011	2420.3101	---	---
	Ant1	2437	16.770	2428.6373	2445.4073	---	---
	Ant2	2437	16.704	2428.6618	2445.3658	---	---
	Ant1	2462	16.809	2453.5788	2470.3878	---	---
	Ant2	2462	16.672	2453.6807	2470.3527	---	---
11N20MIMO	Ant1	2412	18.041	2402.9383	2420.9793	---	---
	Ant2	2412	17.925	2403.0477	2420.9727	---	---
	Ant1	2437	18.291	2427.8680	2446.1590	---	---
	Ant2	2437	18.099	2427.9702	2446.0692	---	---
	Ant1	2462	18.135	2452.9296	2471.0646	---	---
	Ant2	2462	18.068	2452.9821	2471.0501	---	---
11N40MIMO	Ant1	2422	37.344	2403.3780	2440.7220	---	---
	Ant2	2422	37.176	2403.3946	2440.5706	---	---
	Ant1	2437	37.459	2418.2623	2455.7213	---	---
	Ant2	2437	37.077	2418.4899	2455.5669	---	---
	Ant1	2452	37.353	2433.2644	2470.6174	---	---
	Ant2	2452	37.088	2433.4360	2470.5240	---	---
11AX20MIMO	Ant1	2412	19.198	2402.4079	2421.6059	---	---
	Ant2	2412	19.147	2402.4315	2421.5785	---	---
	Ant1	2437	19.199	2427.4167	2446.6157	---	---
	Ant2	2437	19.214	2427.4009	2446.6149	---	---
	Ant1	2462	19.183	2452.4234	2471.6064	---	---
	Ant2	2462	19.206	2452.4019	2471.6079	---	---
11AX40MIMO	Ant1	2422	38.572	2402.7136	2441.2856	---	---
	Ant2	2422	38.457	2402.7597	2441.2167	---	---
	Ant1	2437	38.549	2417.7134	2456.2624	---	---
	Ant2	2437	38.470	2417.7668	2456.2368	---	---
	Ant1	2452	38.558	2432.6673	2471.2253	---	---
	Ant2	2452	38.439	2432.7973	2471.2363	---	---

TEST GRAPHS

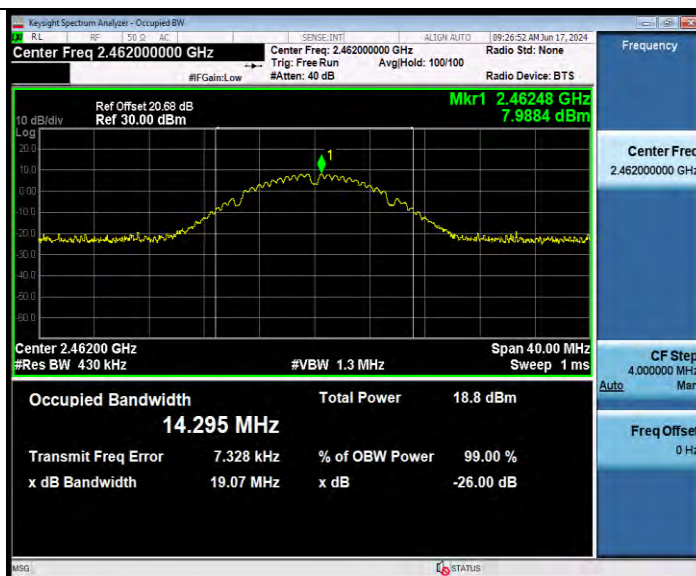




11B-CDD Ant2 2437



11B-CDD Ant1 2462



11B-CDD Ant2 2462

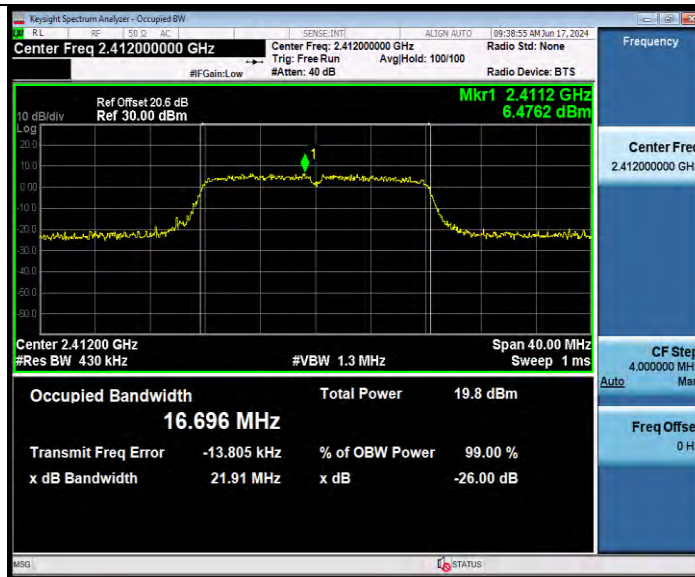


11G-CDD Ant1 2412

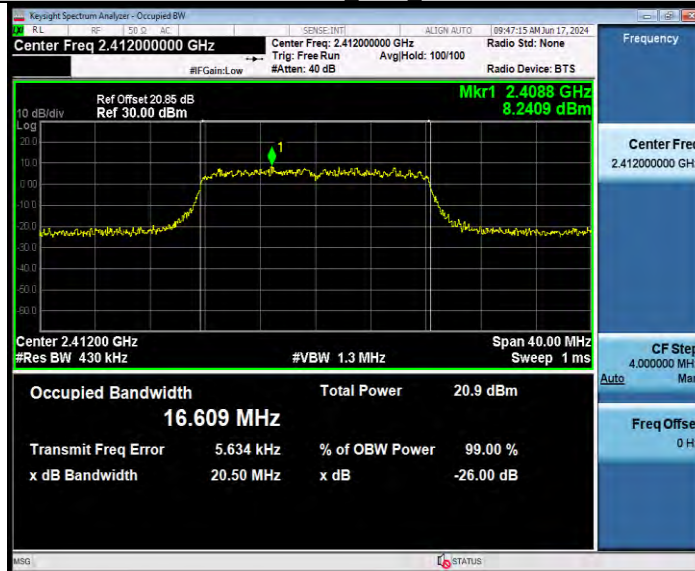


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11G-CDD Ant2 2412

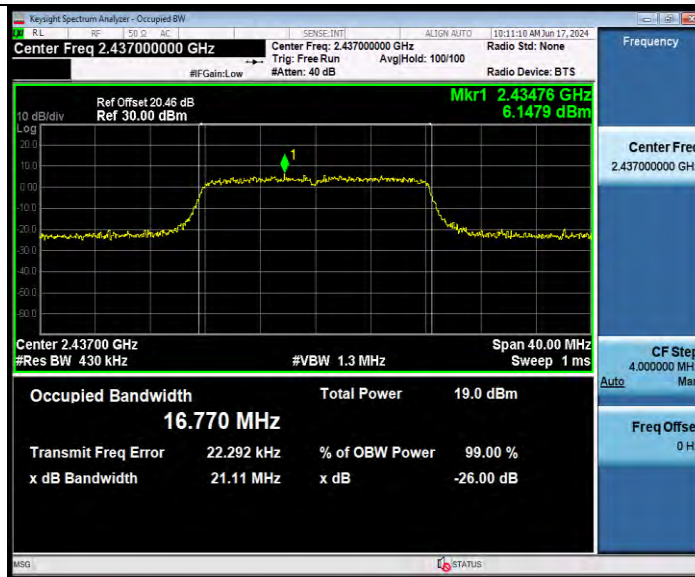


11G-CDD Ant1 2437

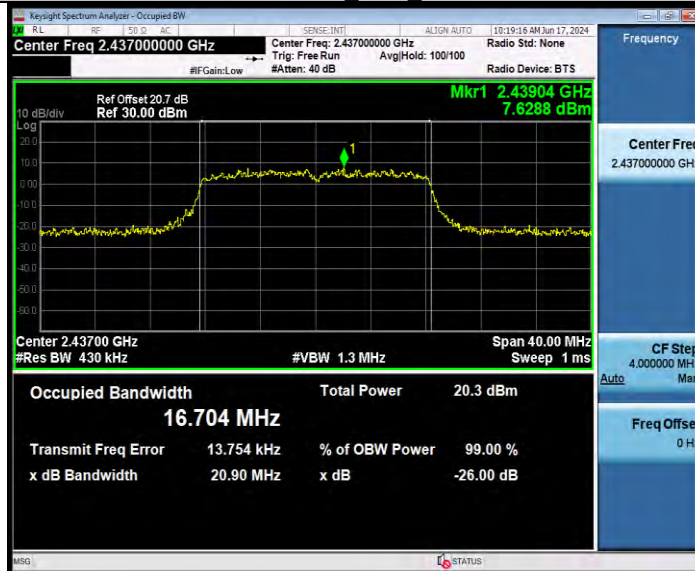


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Reference No.: W7L-P24050018RF02



11G-CDD Ant2 2437

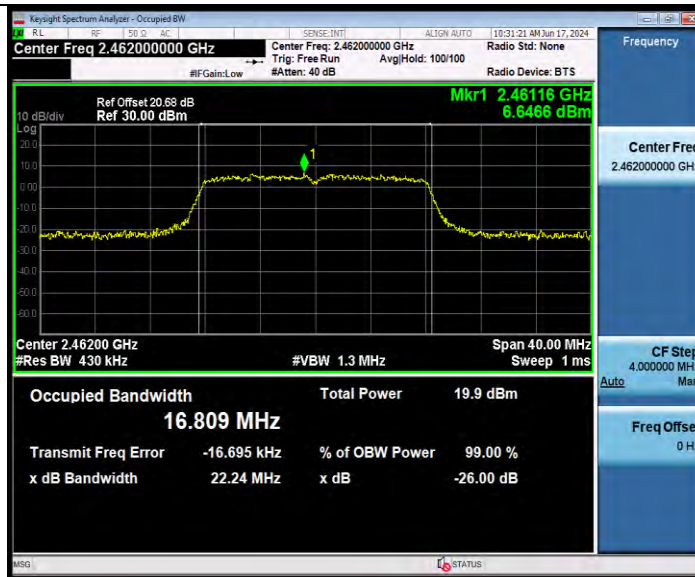


11G-CDD Ant1 2462

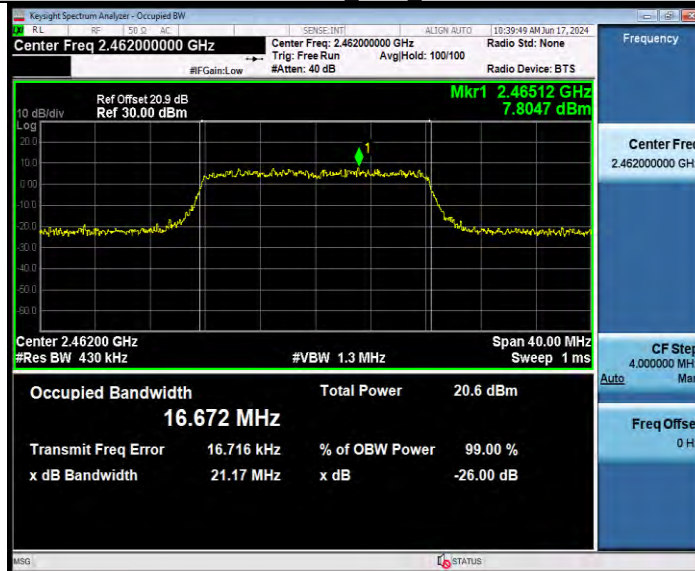


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Reference No.: W7L-P24050018RF02



11G-CDD Ant2 2462

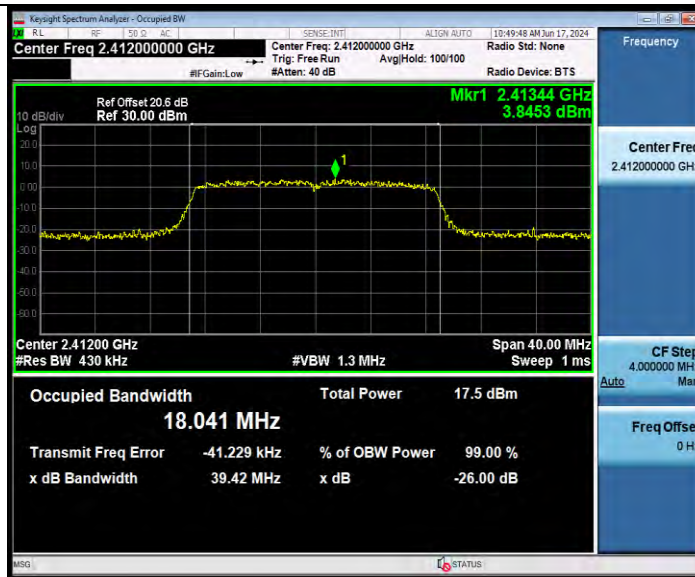


11N20MIMO Ant1 2412

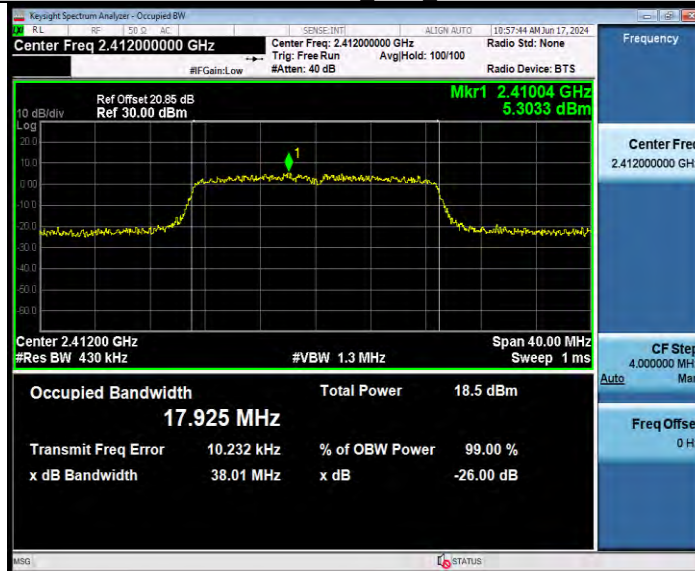


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VERITAS

Reference No.: W7L-P24050018RF02



11N20MIMO Ant2 2412



11N20MIMO Ant1 2437

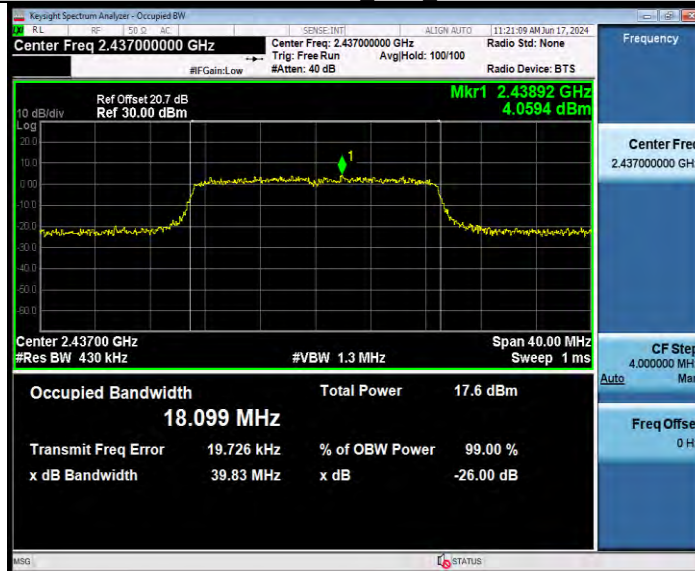


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VERITAS

Reference No.: W7L-P24050018RF02



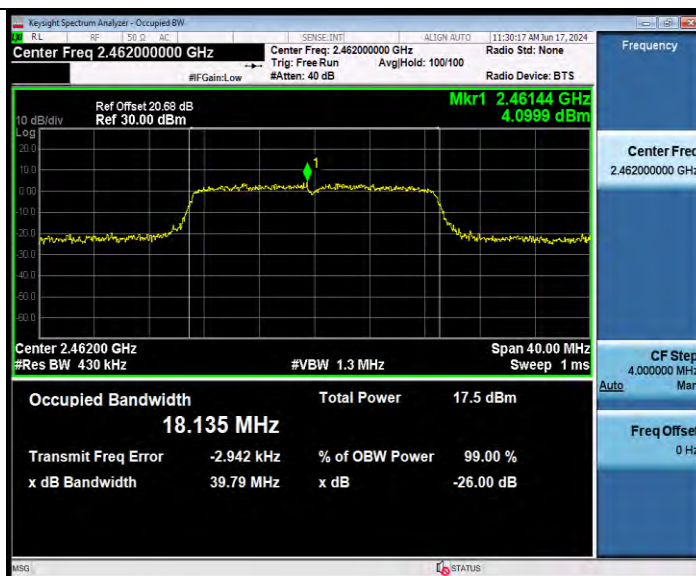
11N20MIMO Ant2 2437



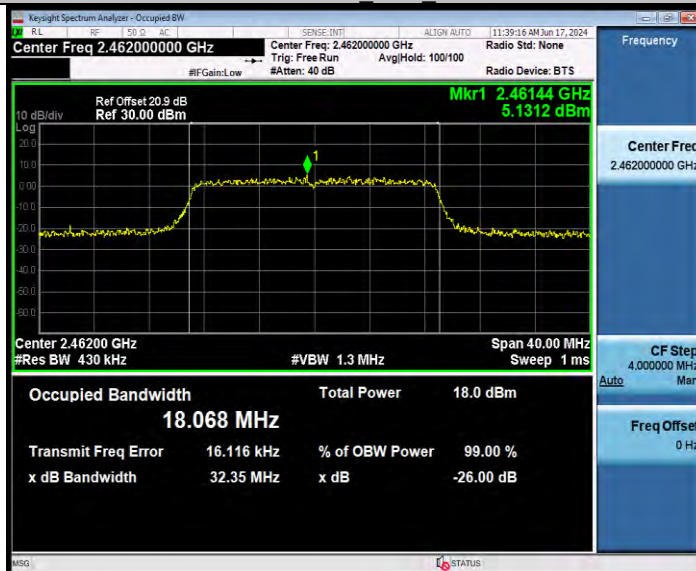
11N20MIMO Ant1 2462



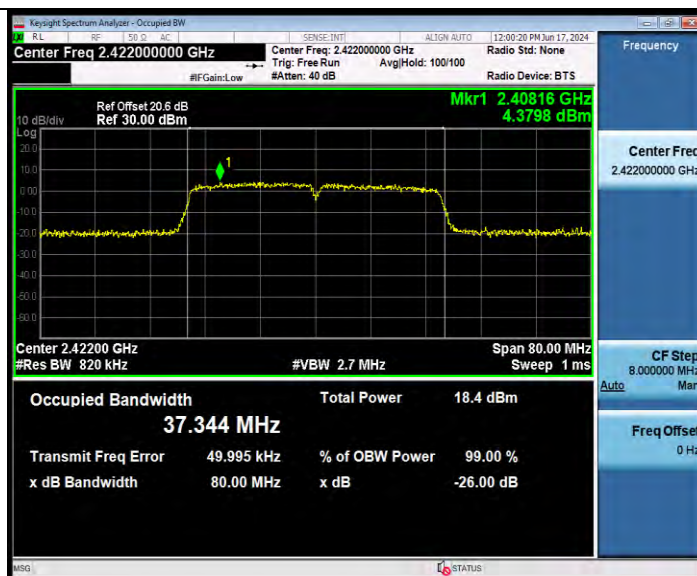
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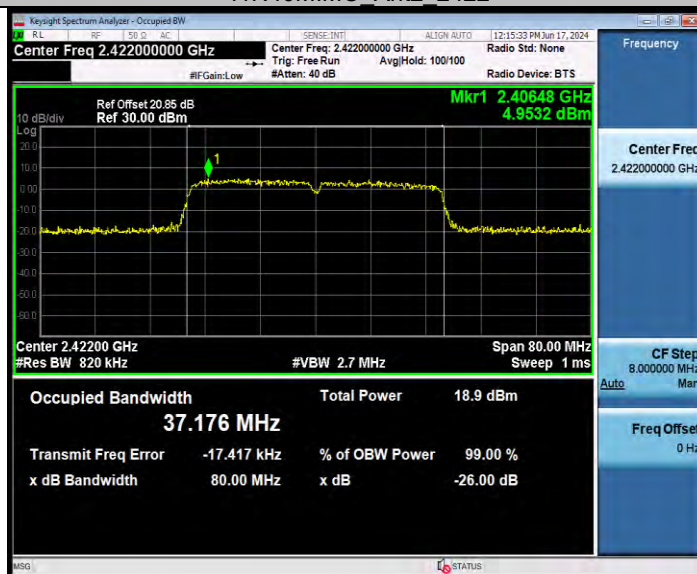
11N20MIMO Ant2 2462



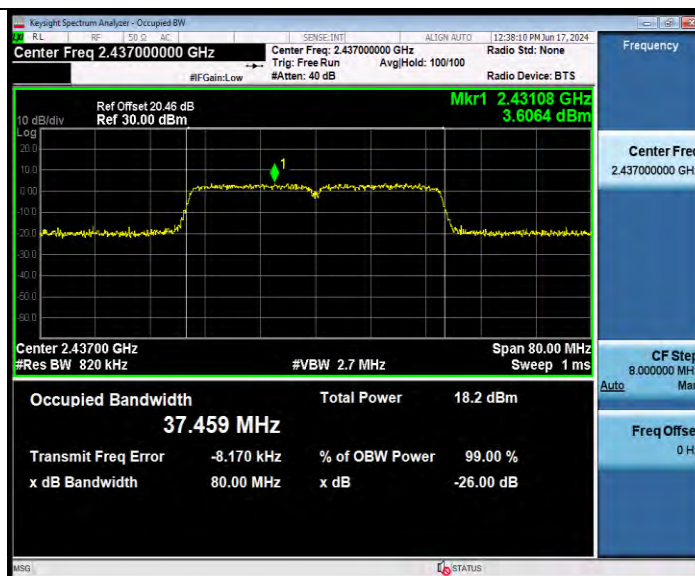
11N40MIMO Ant1 2422



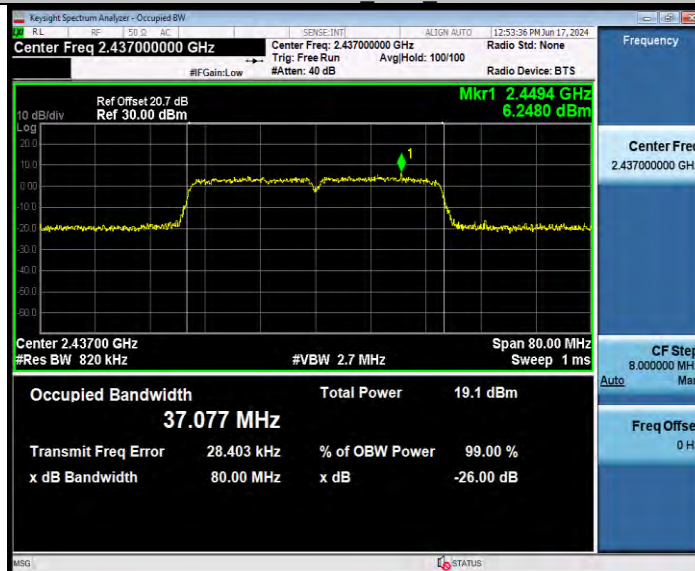
11N40MIMO Ant2 2422



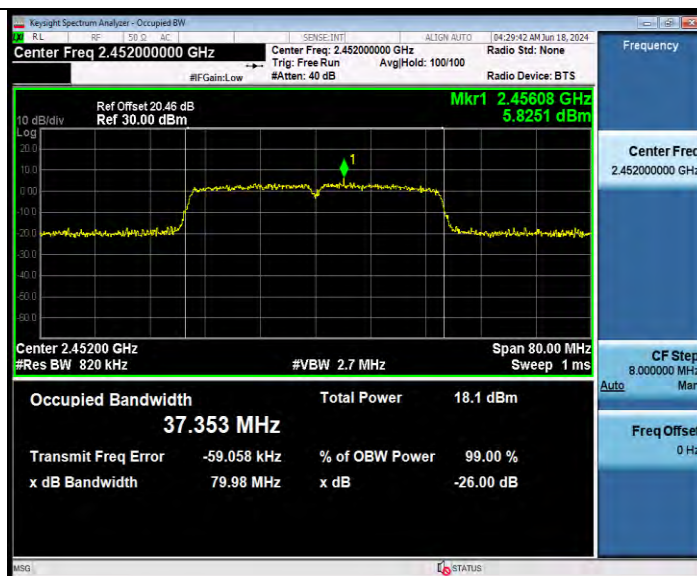
11N40MIMO Ant1 2437



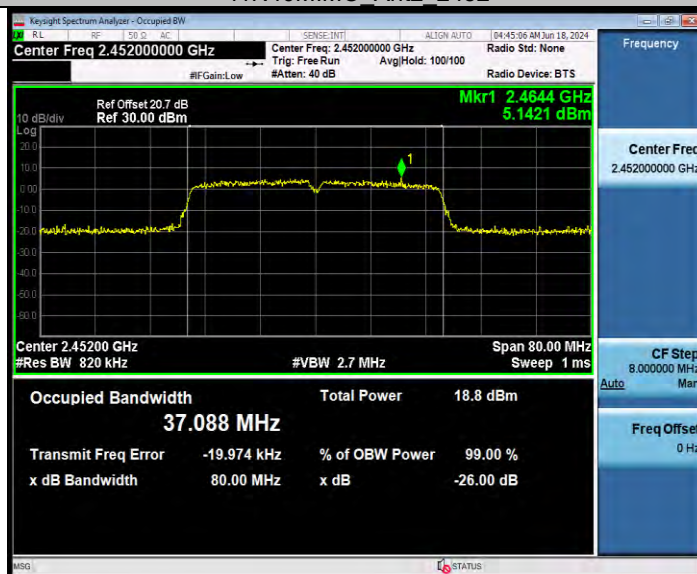
11N40MIMO Ant2 2437



11N40MIMO Ant1 2452



11N40MIMO_Ant2_2452

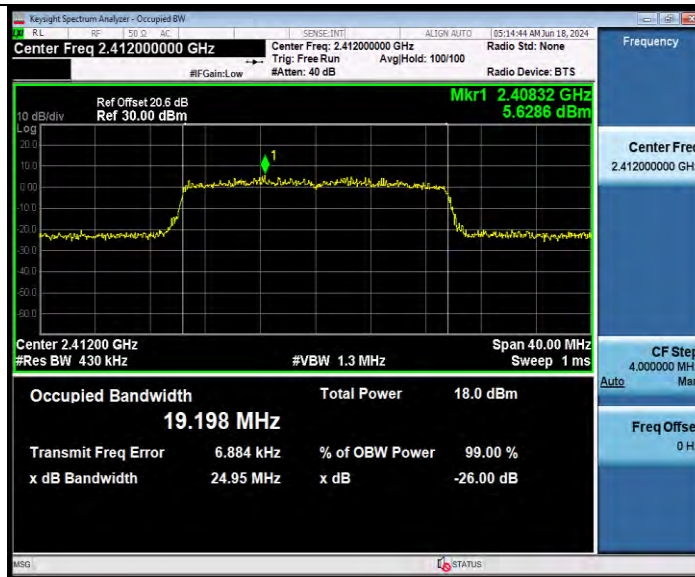


11AX20MIMO_Ant1_2412

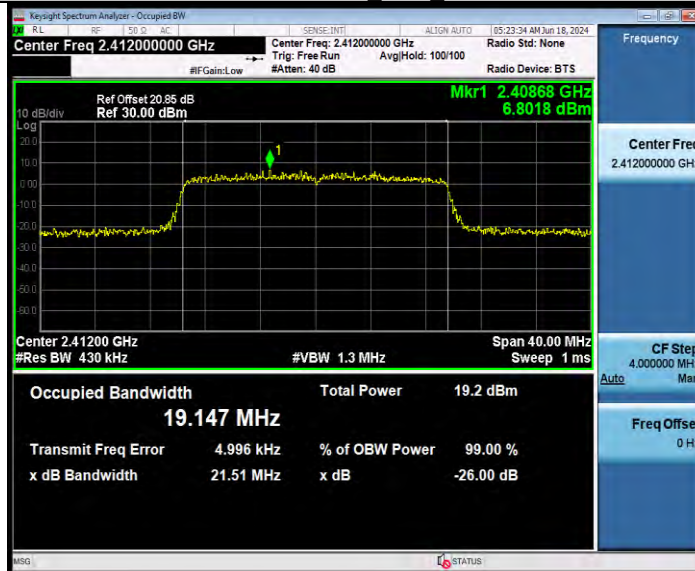


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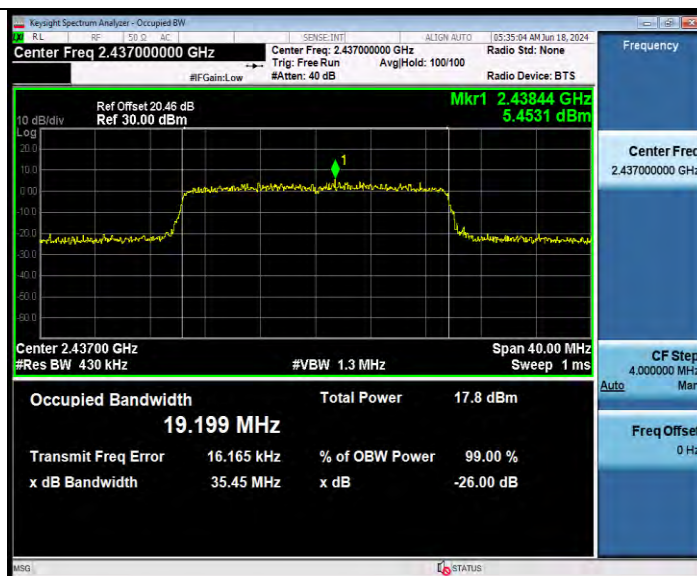
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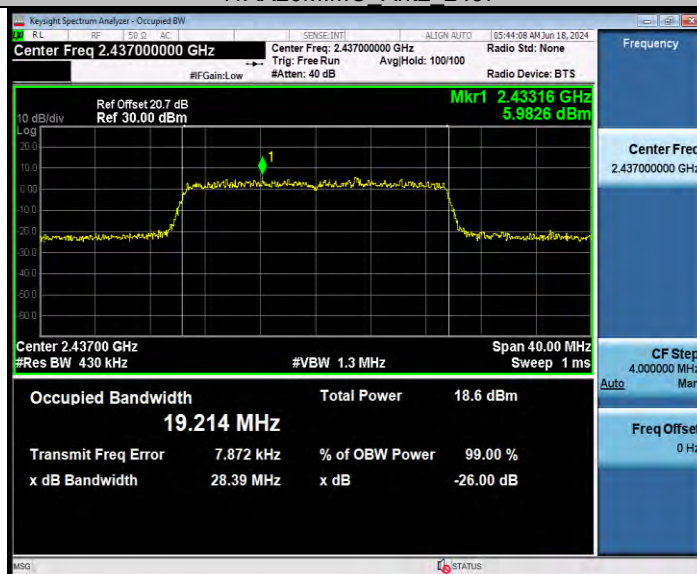
11AX20MIMO_Ant2_2412



11AX20MIMO_Ant1_2437



11AX20MIMO_Ant2_2437

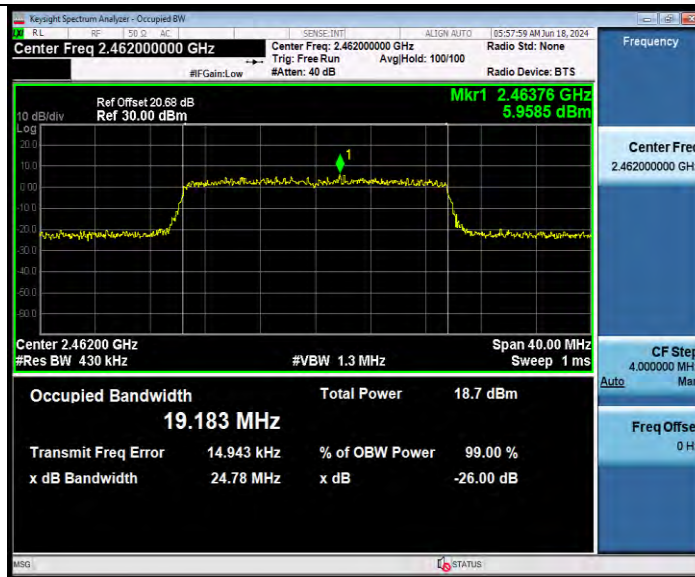


11AX20MIMO_Ant1_2462

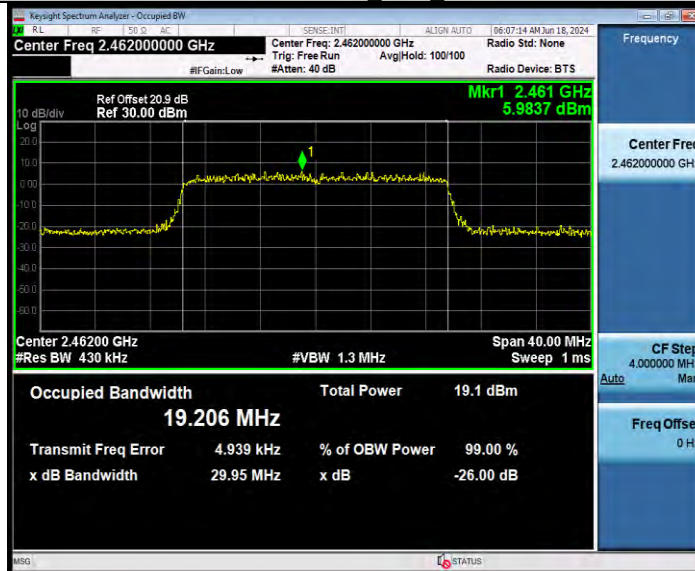


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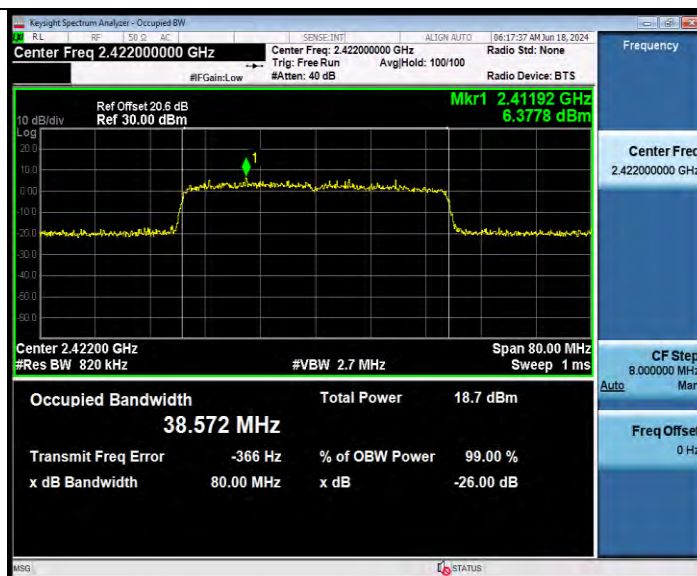
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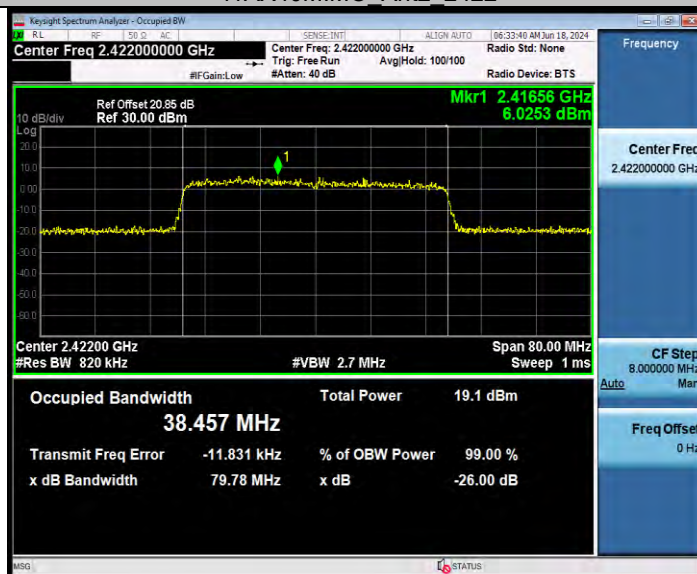
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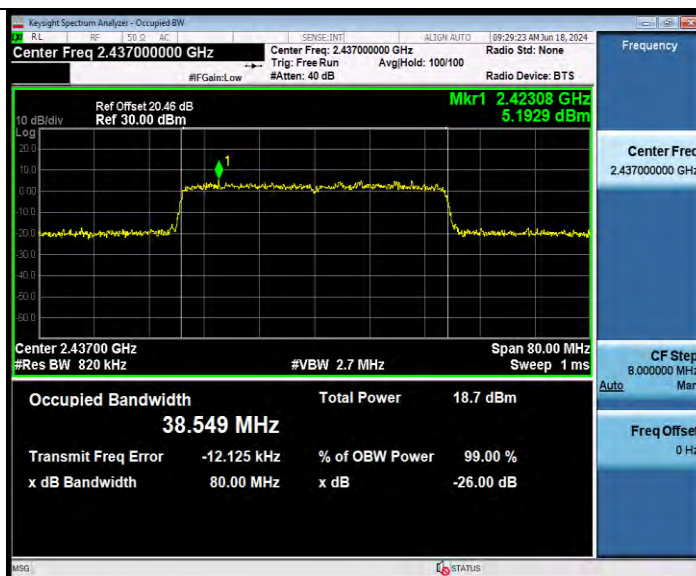
11AX40MIMO_Ant1_2422



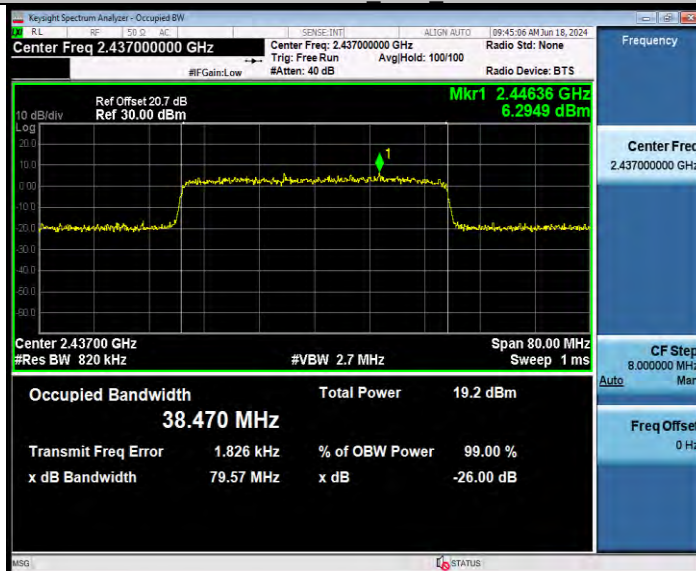
11AX40MIMO_Ant2_2422



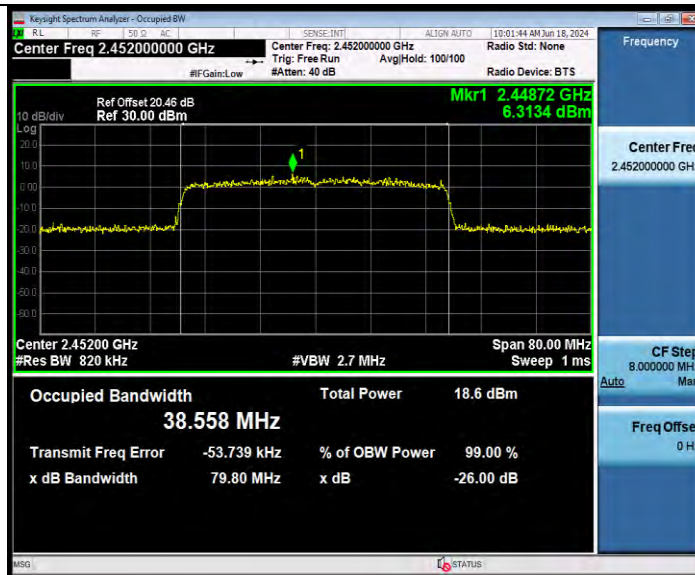
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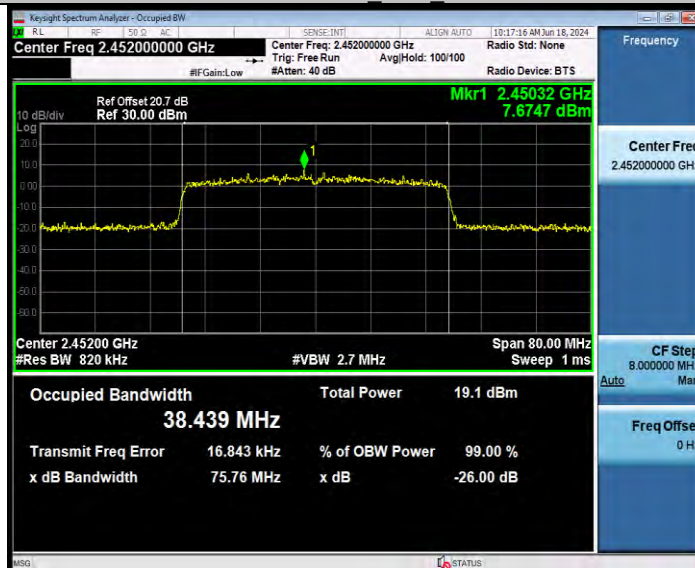
11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452



MAXIMUM CONDUCTED OUTPUT POWER TEST RESULT

Test Mode	TX Mod.	Freq. [MHz]	Ant.	Average power [dBm]	Peak power [dBm]	Peak power [mw]	Conducted Power Limit [dBm]	Verdict	Power Setting
11B	CDD	2412	ANT1	15.72	18.22	66.37	≤30.00	PASS	15
			ANT2	15.6	18.17	65.61	≤30.00	PASS	15
			Total	18.671	21.21	131.99	≤30.00	PASS	15
		2437	ANT1	15.43	17.89	61.52	≤30.00	PASS	15
			ANT2	15.33	17.84	60.81	≤30.00	PASS	15
			Total	18.391	20.88	122.33	≤30.00	PASS	15
		2462	ANT1	15.74	17.88	61.38	≤30.00	PASS	15
			ANT2	15.53	17.7	58.88	≤30.00	PASS	15
			Total	18.647	20.8	120.26	≤30.00	PASS	15
11G	CDD	2412	ANT1	13.73	20.25	105.93	≤30.00	PASS	13
			ANT2	13.59	20.12	102.80	≤30.00	PASS	13
			Total	16.671	23.2	208.73	≤30.00	PASS	13
		2437	ANT1	13.45	19.8	95.50	≤30.00	PASS	13
			ANT2	13.46	19.74	94.19	≤30.00	PASS	13
			Total	16.465	22.78	189.69	≤30.00	PASS	13
		2462	ANT1	13.65	19.83	96.16	≤30.00	PASS	13
			ANT2	13.43	19.77	94.84	≤30.00	PASS	13
			Total	16.552	22.81	191.00	≤30.00	PASS	13
11N20	MIMO	2412	ANT1	13.32	20.13	103.04	≤30.00	PASS	11
			ANT2	13.24	19.85	96.61	≤30.00	PASS	11
			Total	16.29	23	199.64	≤30.00	PASS	11
		2437	ANT1	13.16	19.68	92.90	≤30.00	PASS	11
			ANT2	13.1	19.52	89.54	≤30.00	PASS	11
			Total	16.14	22.61	182.43	≤30.00	PASS	11
		2462	ANT1	13.34	19.56	90.36	≤30.00	PASS	11

			ANT2	13.13	19.42	87.50	≤30.00	PASS	11
			Total	16.247	22.5	177.86	≤30.00	PASS	11
11N40	MIMO	2422	ANT1	11.49	17.89	61.52	≤30.00	PASS	11
			ANT2	11.22	17.62	57.81	≤30.00	PASS	11
			Total	14.367	20.77	119.33	≤30.00	PASS	11
		2437	ANT1	11.77	18.25	66.83	≤30.00	PASS	11
			ANT2	11.74	18.18	65.77	≤30.00	PASS	11
			Total	14.765	21.23	132.60	≤30.00	PASS	11
		2452	ANT1	11.47	17.32	53.95	≤30.00	PASS	11
			ANT2	11.26	17.12	51.52	≤30.00	PASS	11
			Total	14.377	20.23	105.47	≤30.00	PASS	11

11AX20	MIMO	2412	ANT1	11.28	17.36	54.45	≤30.00	PASS	11
			ANT2	11.14	17.22	52.72	≤30.00	PASS	11
			Total	14.221	20.301	107.17	≤30.00	PASS	11
		2437	ANT1	11.09	17.61	57.68	≤30.00	PASS	11
			ANT2	10.94	17.42	55.21	≤30.00	PASS	11
			Total	14.026	20.526	112.88	≤30.00	PASS	11
		2462	ANT1	11.29	18.14	65.16	≤30.00	PASS	11
			ANT2	10.91	17.48	55.98	≤30.00	PASS	11
			Total	14.114	20.833	121.14	≤30.00	PASS	11
11AX40	MIMO	2412	ANT1	11.19	17.89	61.52	≤30.00	PASS	11
			ANT2	11.09	17.65	58.21	≤30.00	PASS	11
			Total	14.151	20.782	119.73	≤30.00	PASS	11
		2437	ANT1	11.41	18.45	69.98	≤30.00	PASS	11
			ANT2	11.29	18.29	67.45	≤30.00	PASS	11
			Total	14.361	21.381	137.44	≤30.00	PASS	11
		2462	ANT1	11.06	17.63	57.94	≤30.00	PASS	11
			ANT2	10.97	17.51	56.36	≤30.00	PASS	11
			Total	14.026	20.581	114.31	≤30.00	PASS	11
Tx 11ax20 FULL RU	MIMO	2412	ANT1	11.26	17.28	53.46	≤30.00	PASS	11