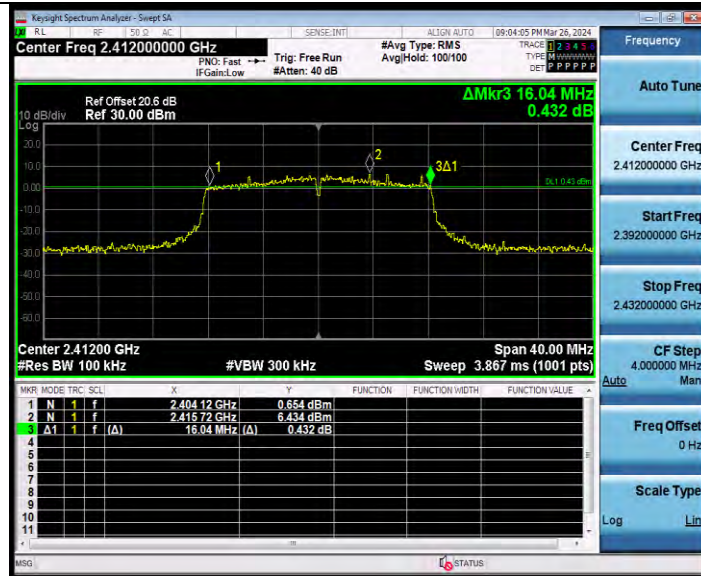




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Test Report No.: W7L-P24030005RF02



11G-CDD_Ant2_2412



11G-CDD_Ant1_2437

BV 7Layers Communications Technology
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11G-CDD_Ant2_2437



11G-CDD_Ant1_2462





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11N20MIMO_Ant2_2412



11N20MIMO_Ant1_2437



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Test Report No.: W7L-P24030005RF02



11N20MIMO_Ant2_2437



11N20MIMO_Ant1_2462



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Test Report No.: W7L-P24030005RF02



11N20MIMO_Ant2_2462



11N40MIMO_Ant1_2422

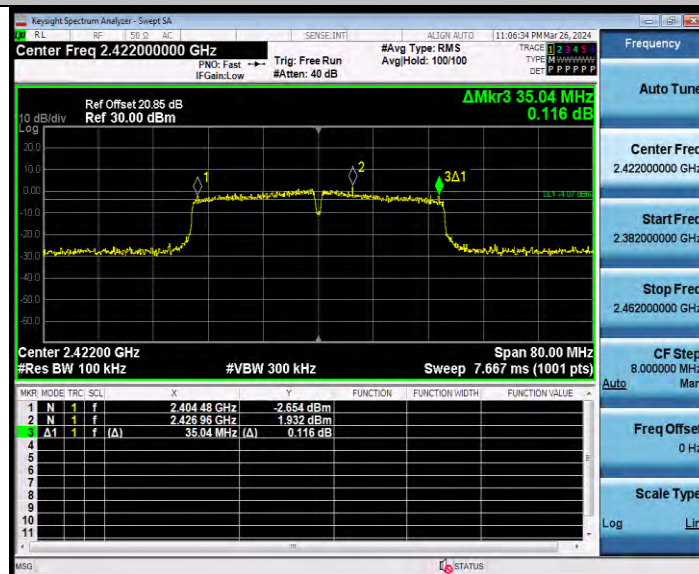


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Test Report No.: W7L-P24030005RF02



11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437

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11N40MIMO_Ant2_2437

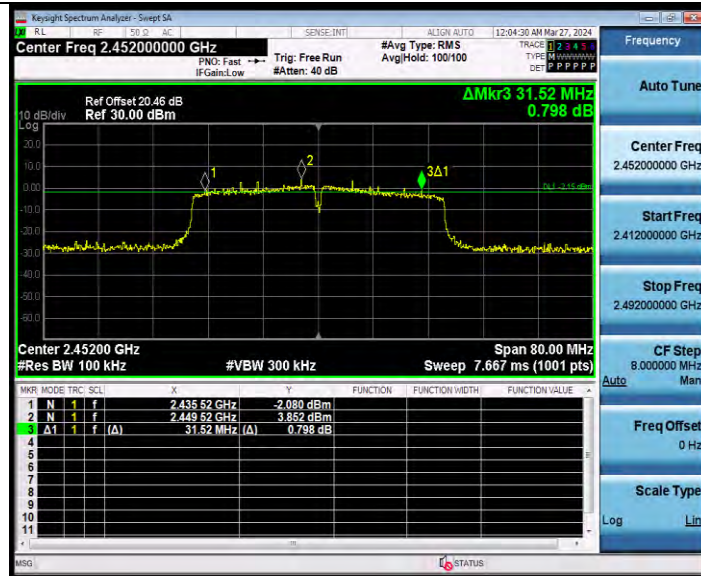


11N40MIMO_Ant1_2452



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11N40MIMO_Ant2_2452



11AX20MIMO_Ant1_2412





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11AX20MIMO_Ant2_2437



11AX20MIMO_Ant1_2462

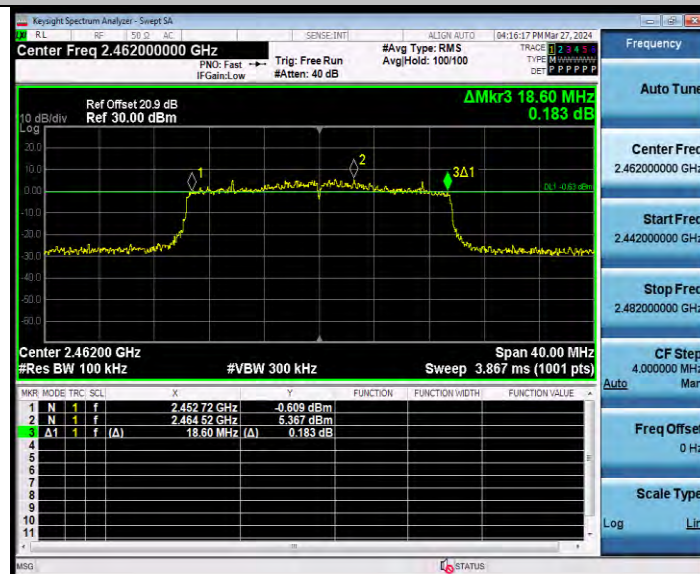


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Test Report No.: W7L-P24030005RF02



11AX20MIMO_Ant2_2462



11AX40MIMO_Ant1_2422

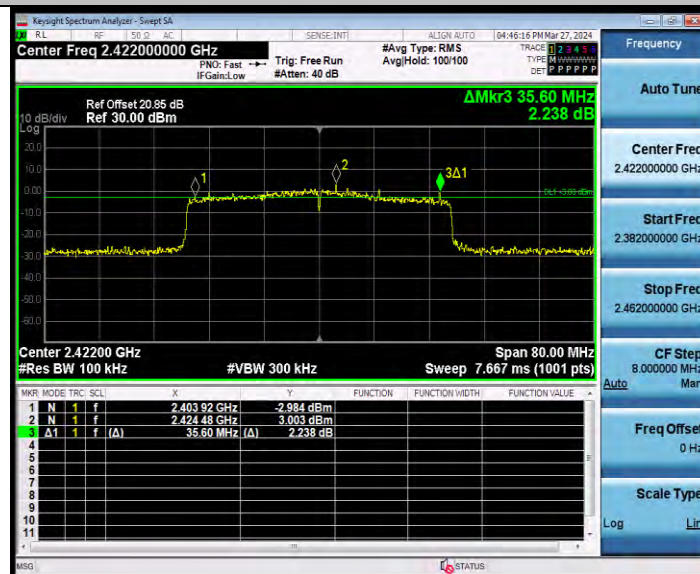


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Test Report No.: W7L-P24030005RF02



11AX40MIMO_Ant2_2422



11AX40MIMO_Ant1_2437



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Test Report No.: W7L-P24030005RF02



11AX40MIMO_Ant2_2437

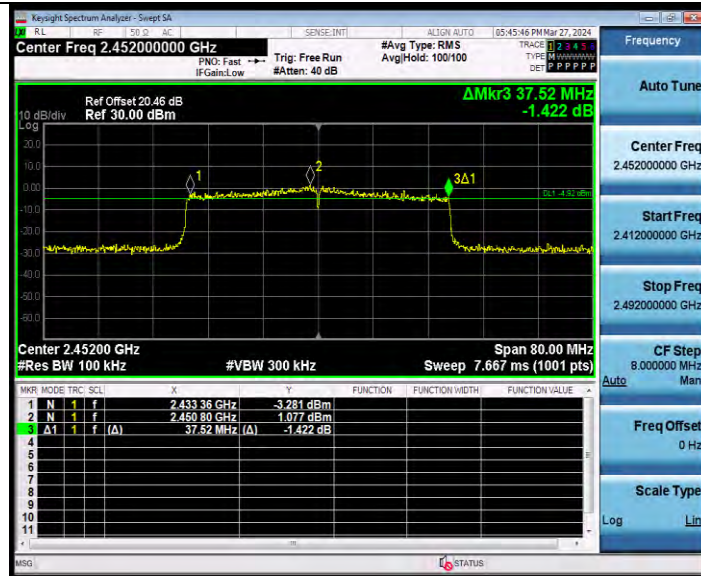


11AX40MIMO_Ant1_2452



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Test Report No.: W7L-P24030005RF02



11AX40MIMO_Ant2_2452



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**OCCUPIED CHANNEL BANDWIDTH****TEST RESULT**

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	13.297	2405.5079	2418.8049	---	---
	Ant2	2412	13.776	2405.1900	2418.9660	---	---
	Ant1	2437	13.580	2430.3030	2443.8830	---	---
	Ant2	2437	13.935	2430.1062	2444.0412	---	---
	Ant1	2462	13.475	2455.4775	2468.9525	---	---
	Ant2	2462	13.840	2455.1758	2469.0158	---	---
11G-CDD	Ant1	2412	16.428	2403.8272	2420.2552	---	---
	Ant2	2412	16.418	2403.8343	2420.2523	---	---
	Ant1	2437	16.490	2428.7487	2445.2387	---	---
	Ant2	2437	16.511	2428.7662	2445.2772	---	---
	Ant1	2462	16.471	2453.7986	2470.2696	---	---
	Ant2	2462	16.508	2453.7604	2470.2684	---	---
11N20MIMO	Ant1	2412	17.646	2403.2340	2420.8800	---	---
	Ant2	2412	17.661	2403.2213	2420.8823	---	---
	Ant1	2437	17.656	2428.1746	2445.8306	---	---
	Ant2	2437	17.667	2428.1953	2445.8623	---	---
	Ant1	2462	17.646	2453.2138	2470.8598	---	---
	Ant2	2462	17.655	2453.1921	2470.8471	---	---
11N40MIMO	Ant1	2422	36.102	2403.9702	2440.0722	---	---
	Ant2	2422	36.230	2403.9058	2440.1358	---	---
	Ant1	2437	36.172	2418.9111	2455.0831	---	---
	Ant2	2437	36.283	2418.8663	2455.1493	---	---
	Ant1	2452	36.128	2433.9049	2470.0329	---	---
	Ant2	2452	36.242	2433.8529	2470.0949	---	---
11AX20MIMO	Ant1	2412	18.953	2402.5820	2421.5350	---	---
	Ant2	2412	18.952	2402.5687	2421.5207	---	---
	Ant1	2437	18.921	2427.5710	2446.4920	---	---
	Ant2	2437	18.986	2427.5196	2446.5056	---	---
	Ant1	2462	18.996	2452.5345	2471.5305	---	---



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Test Report No.: W7L-P24030005RF02

	Ant2	2462	18.962	2452.4992	2471.4612	---	---
11AX40MIMO	Ant1	2422	37.712	2403.1051	2440.8171	---	---
	Ant2	2422	37.753	2403.0729	2440.8259	---	---
	Ant1	2437	37.896	2418.0533	2455.9493	---	---
	Ant2	2437	37.770	2418.0818	2455.8518	---	---
	Ant1	2452	37.858	2433.0771	2470.9351	---	---
	Ant2	2452	37.760	2433.0806	2470.8406	---	---

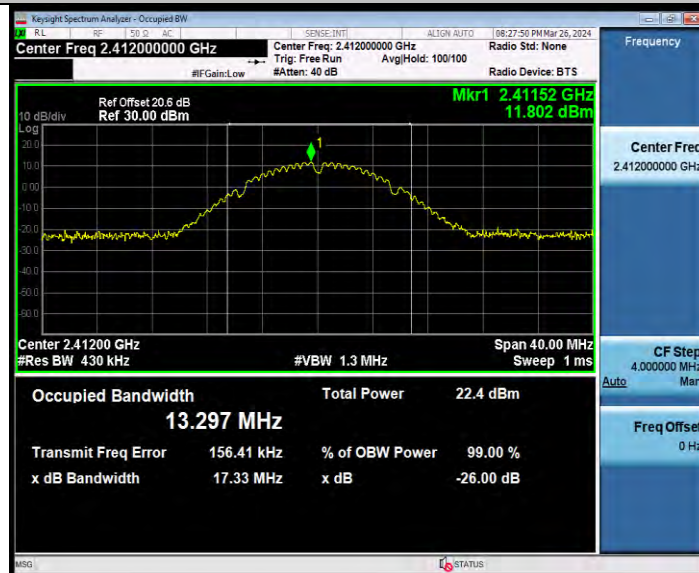


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Test Report No.: W7L-P24030005RF02

TEST GRAPHS

11B-CDD_Ant1_2412



11B-CDD_Ant2_2412

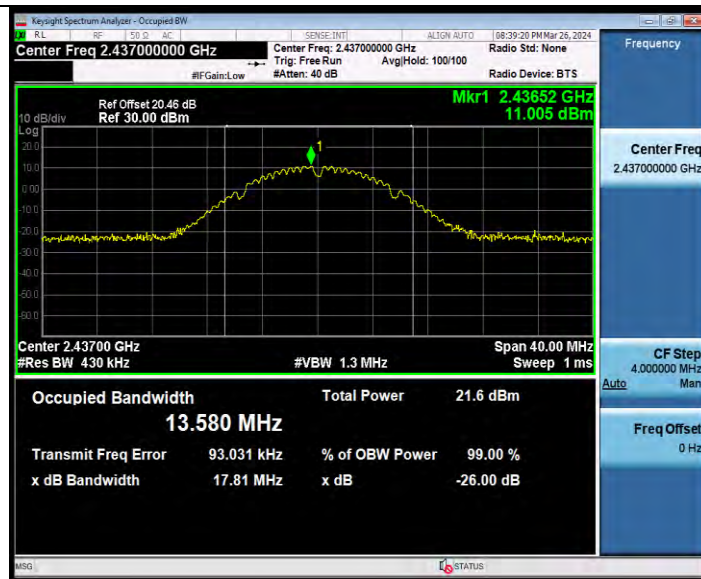


11B-CDD_Ant1_2437



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Test Report No.: W7L-P24030005RF02



11B-CDD_Ant2_2437

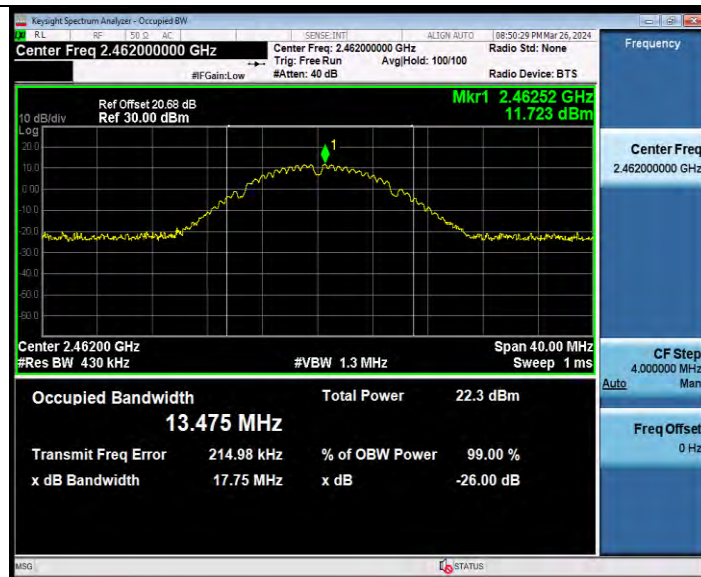


11B-CDD_Ant1_2462



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11B-CDD_Ant2_2462

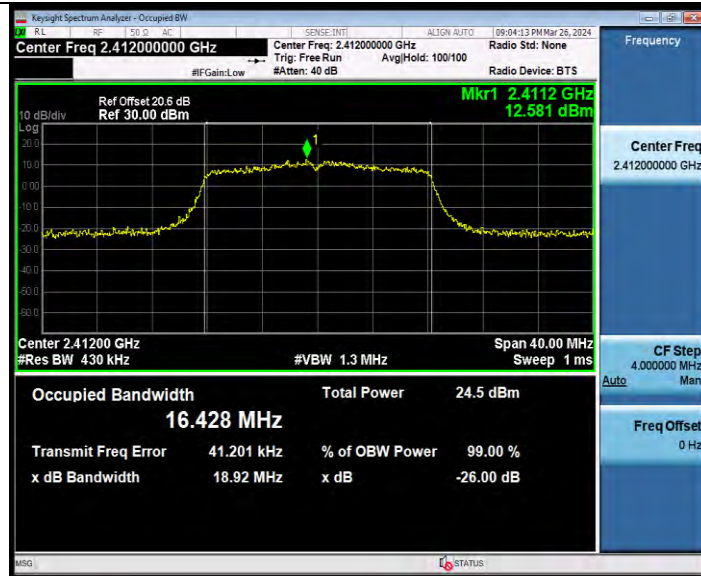


11G-CDD_Ant1_2412

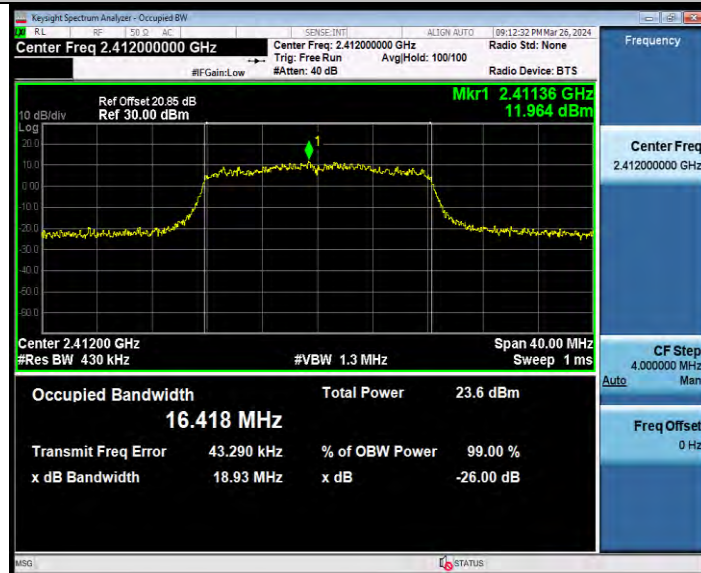


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Test Report No.: W7L-P24030005RF02



11G-CDD_Ant2_2412

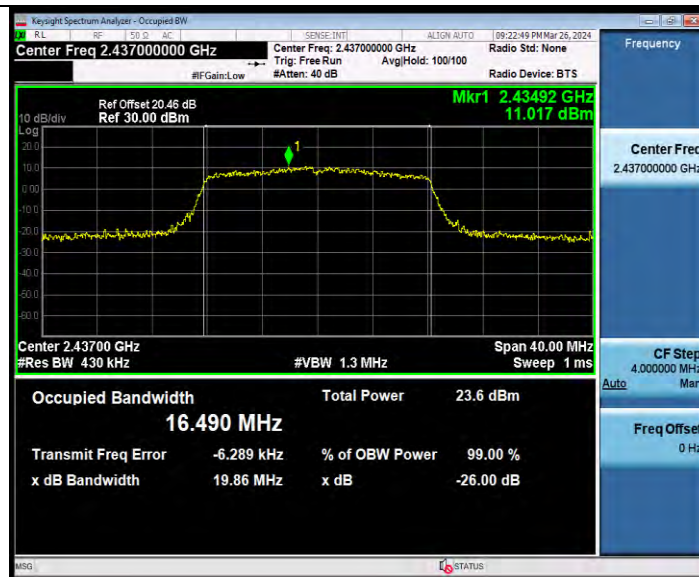


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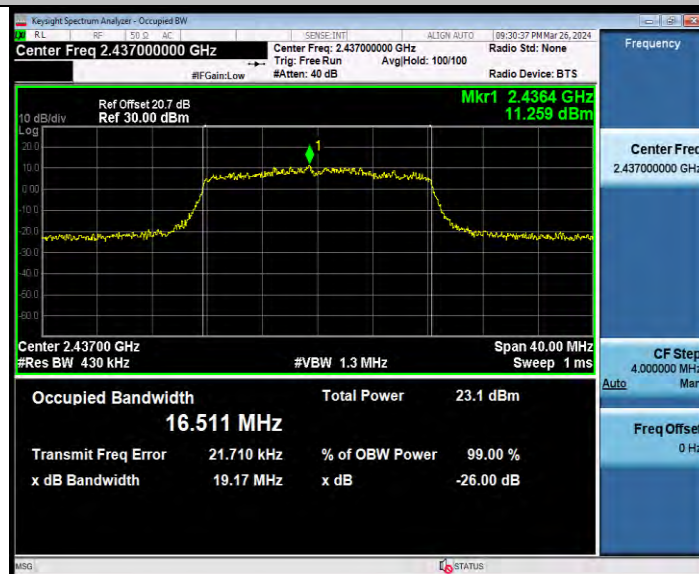


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Test Report No.: W7L-P24030005RF02



11G-CDD_Ant2_2437

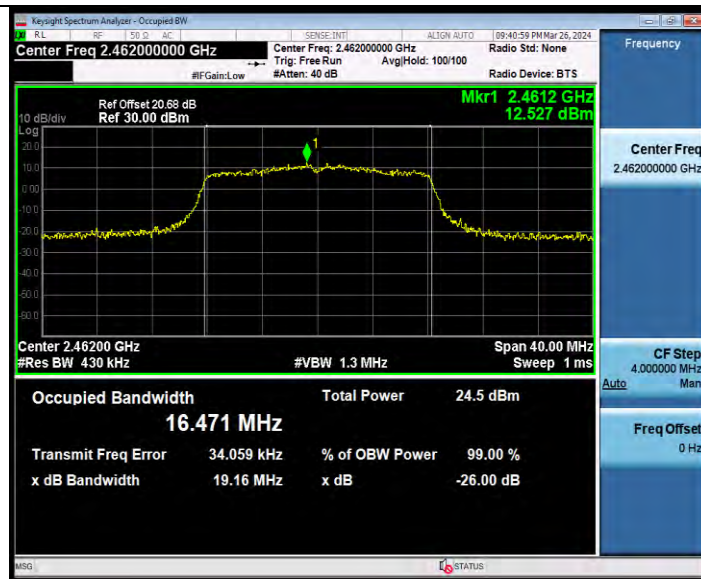


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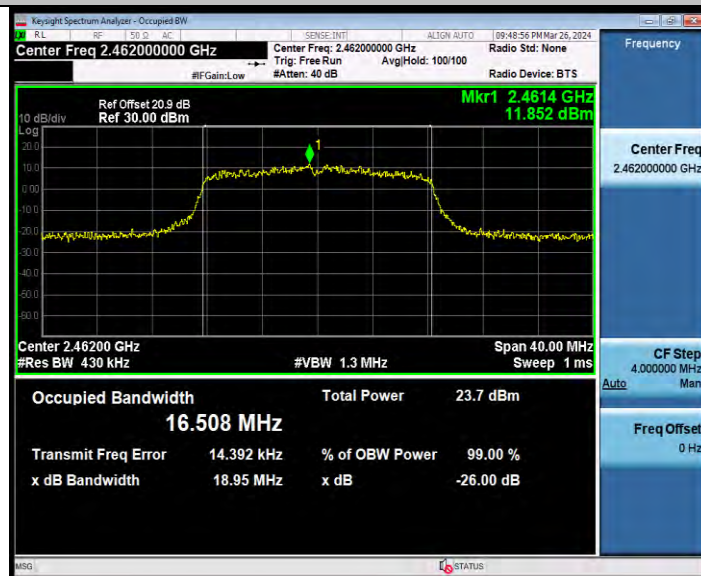


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11G-CDD_Ant2_2462

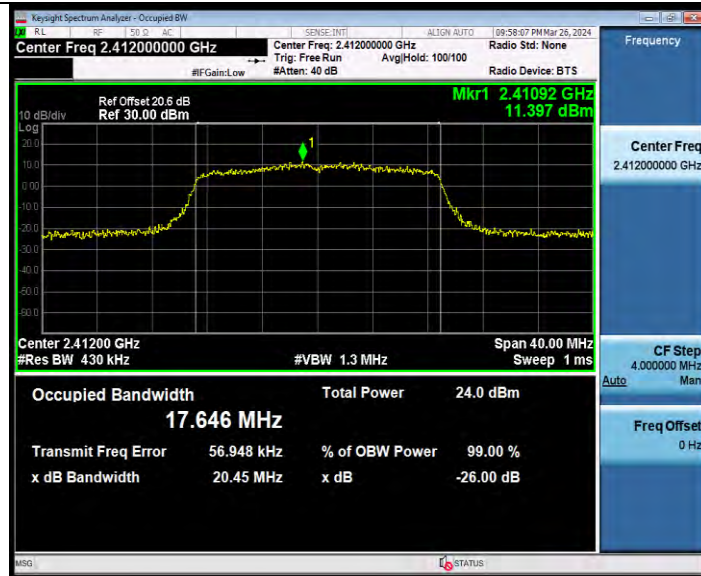


11N20MIMO_Ant1_2412

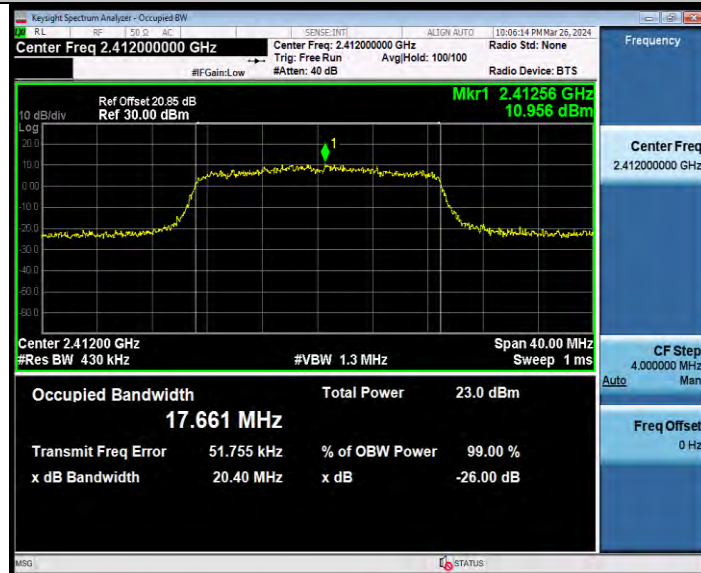


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Test Report No.: W7L-P24030005RF02



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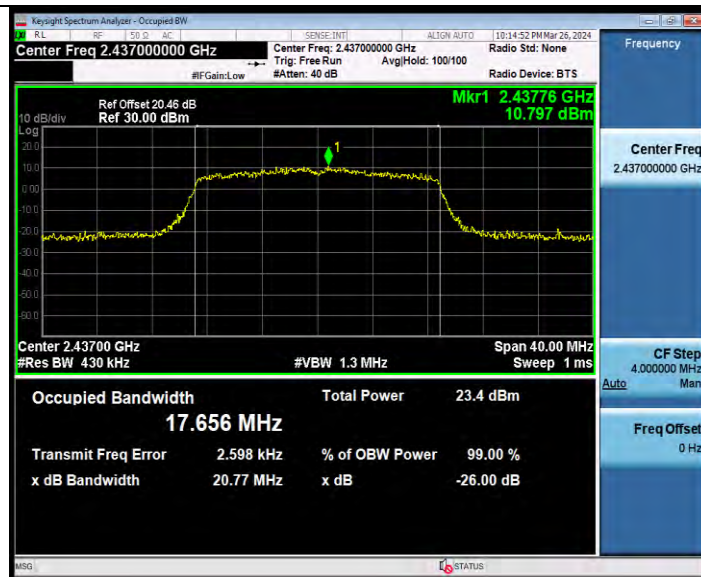


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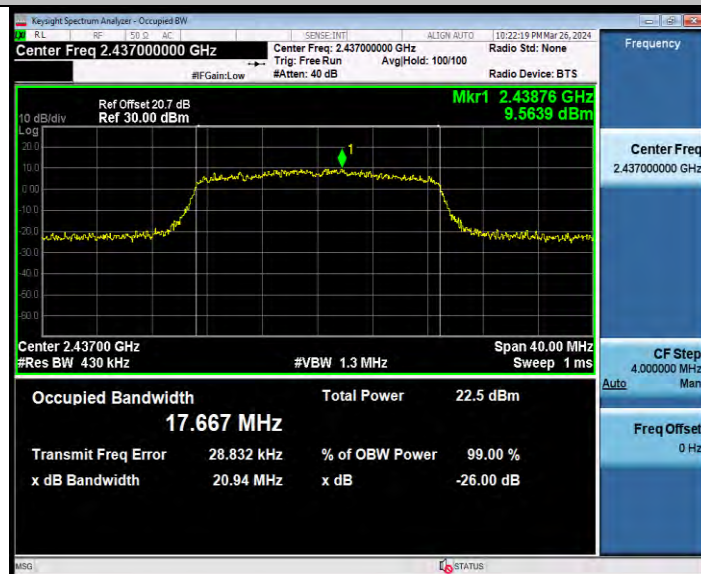


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Test Report No.: W7L-P24030005RF02



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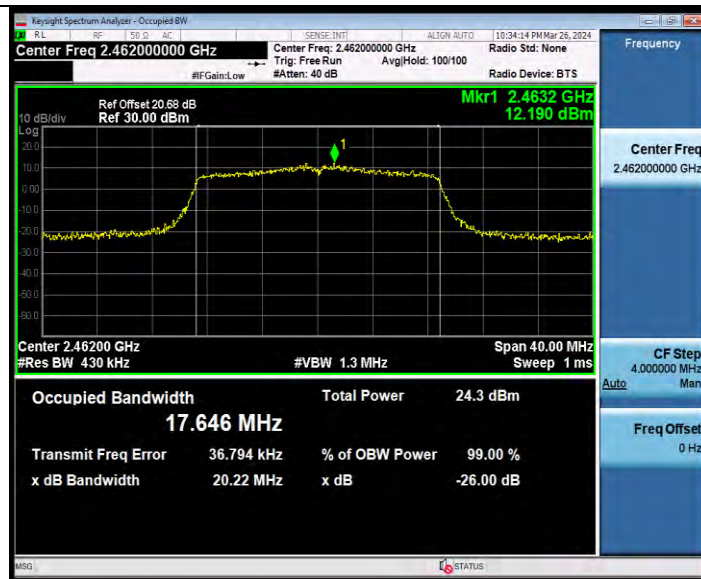


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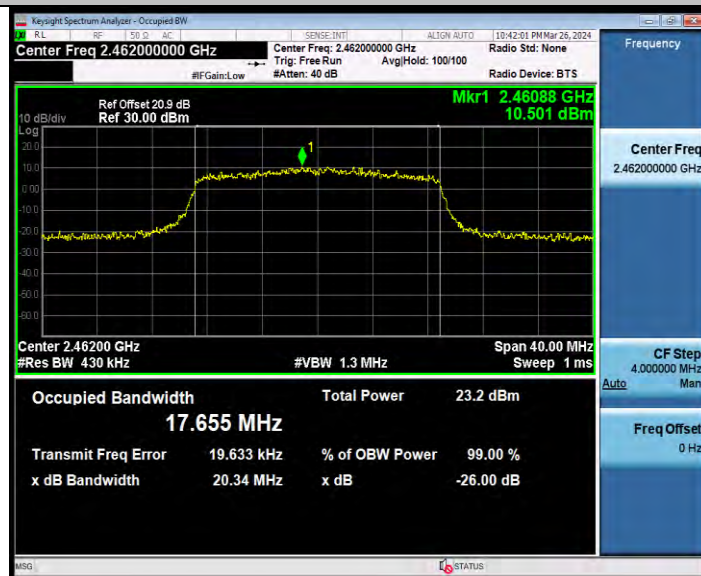


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Test Report No.: W7L-P24030005RF02



11N20MIMO_Ant2_2462

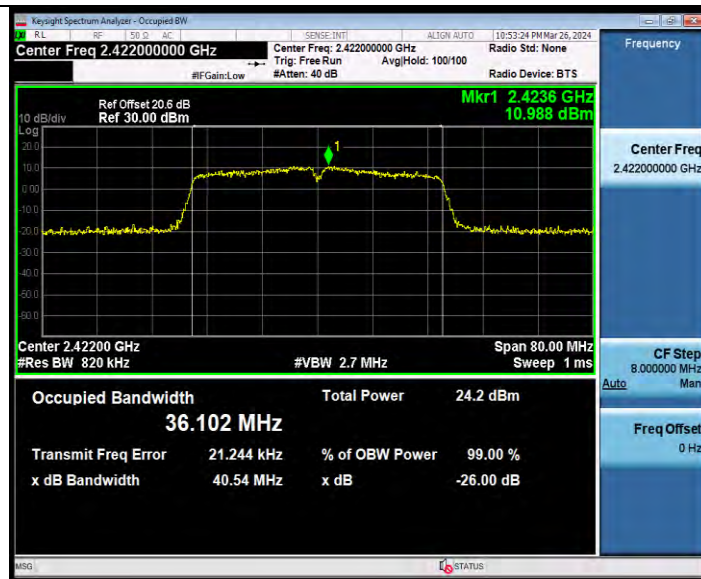


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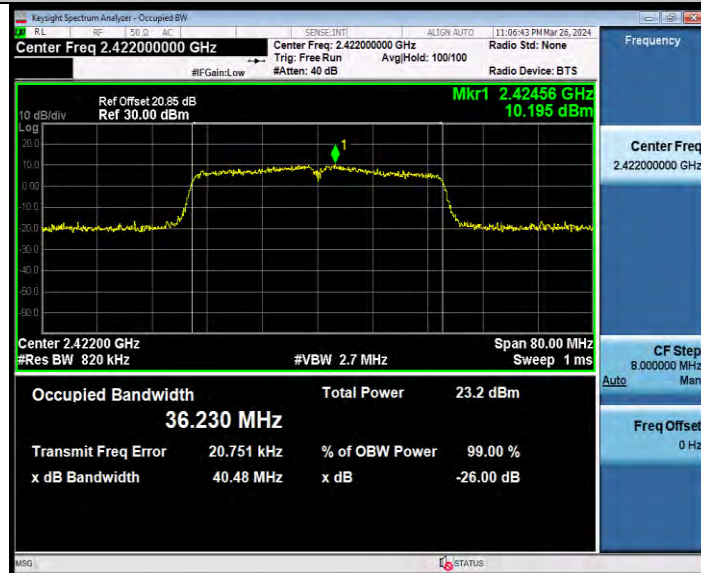


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Test Report No.: W7L-P24030005RF02



11N40MIMO_Ant2_2422

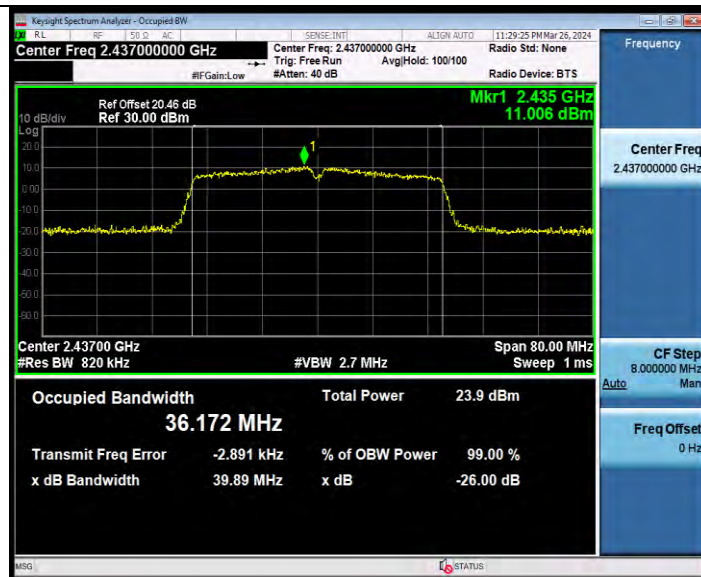


11N40MIMO_Ant1_2437

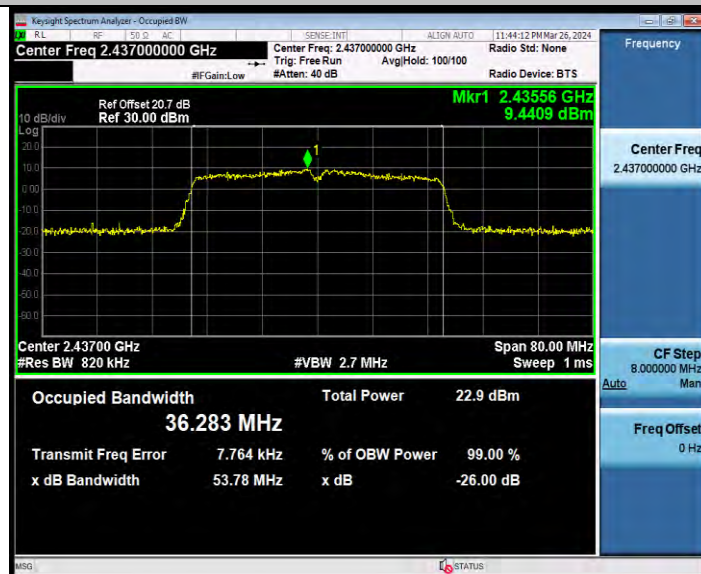


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Test Report No.: W7L-P24030005RF02



11N40MIMO_Ant2_2437

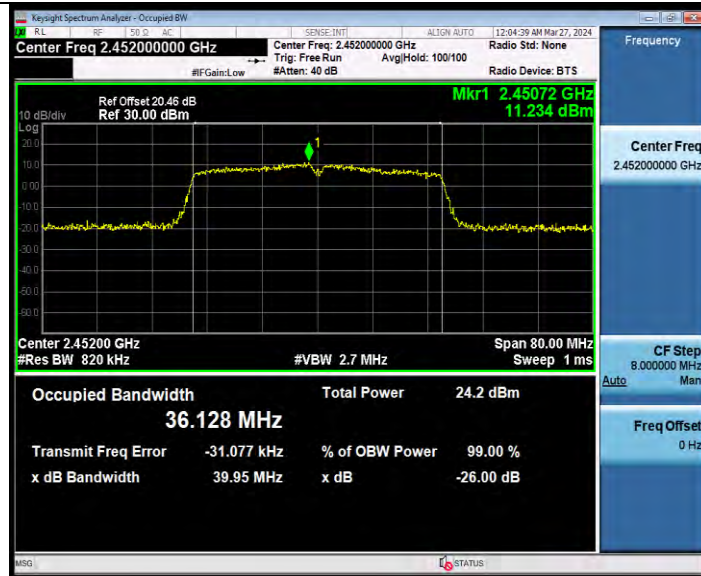


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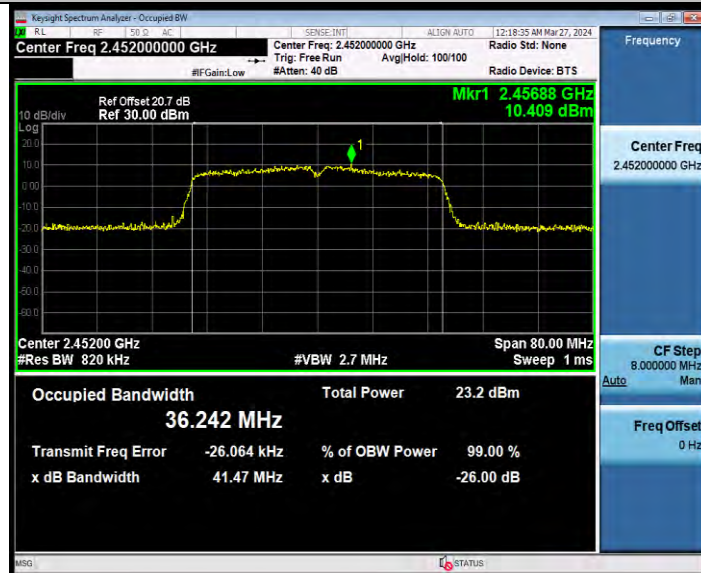


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VERITAS

Test Report No.: W7L-P24030005RF02



11N40MIMO_Ant2_2452

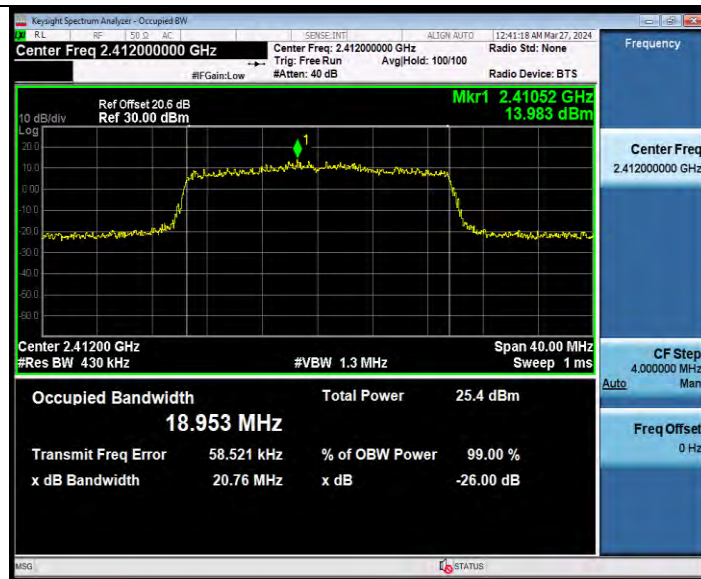


11AX20MIMO_Ant1_2412

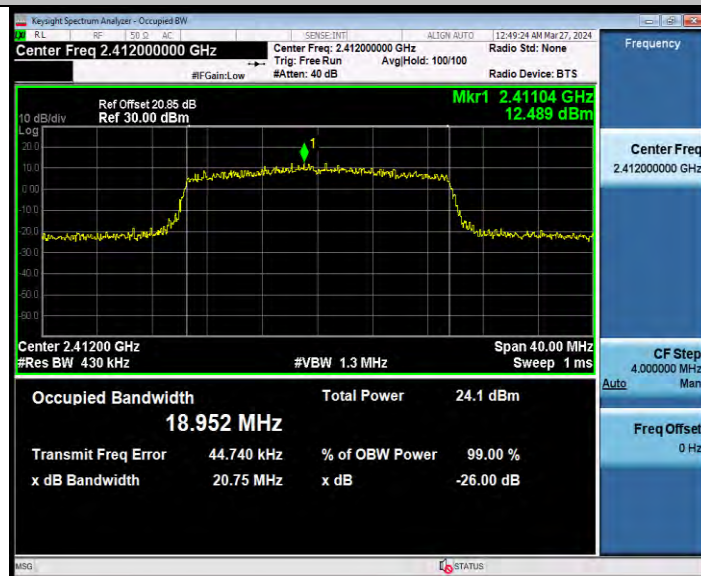


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Test Report No.: W7L-P24030005RF02



11AX20MIMO_Ant2_2412



11AX20MIMO_Ant1_2437

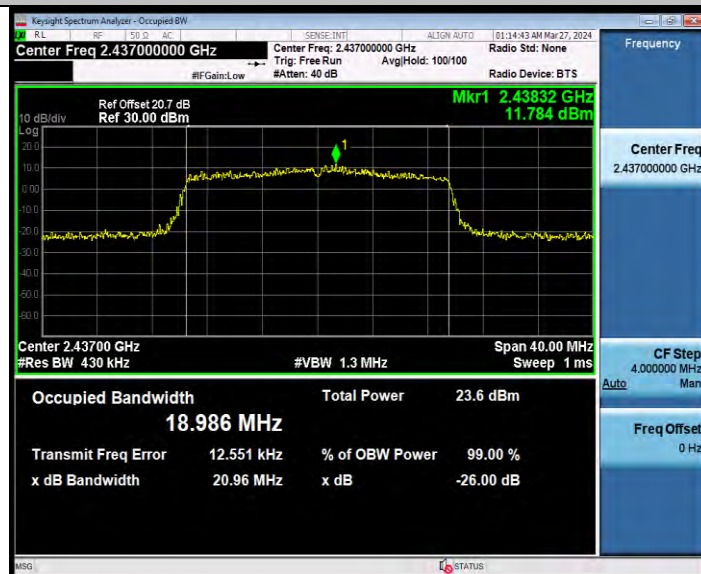


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Test Report No.: W7L-P24030005RF02



11AX20MIMO_Ant2_2437

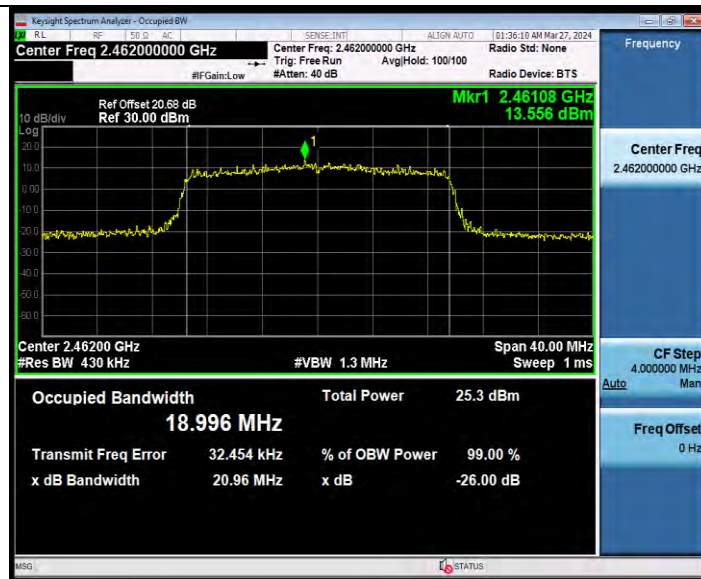


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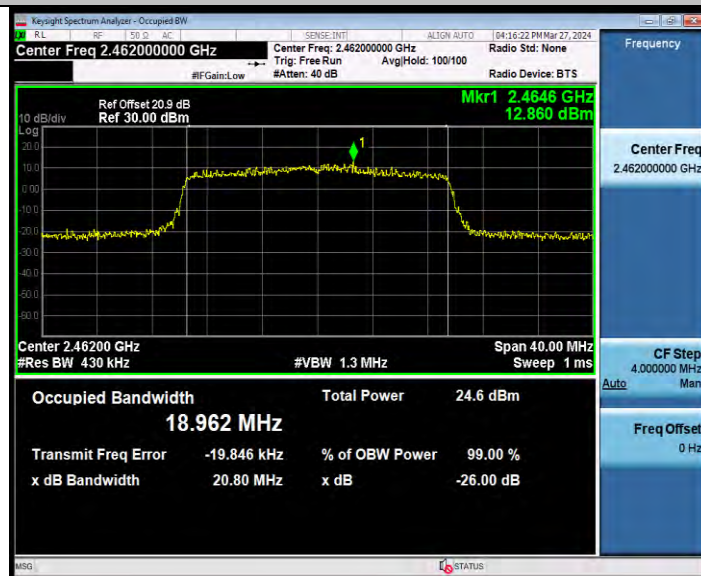


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VERITAS

Test Report No.: W7L-P24030005RF02



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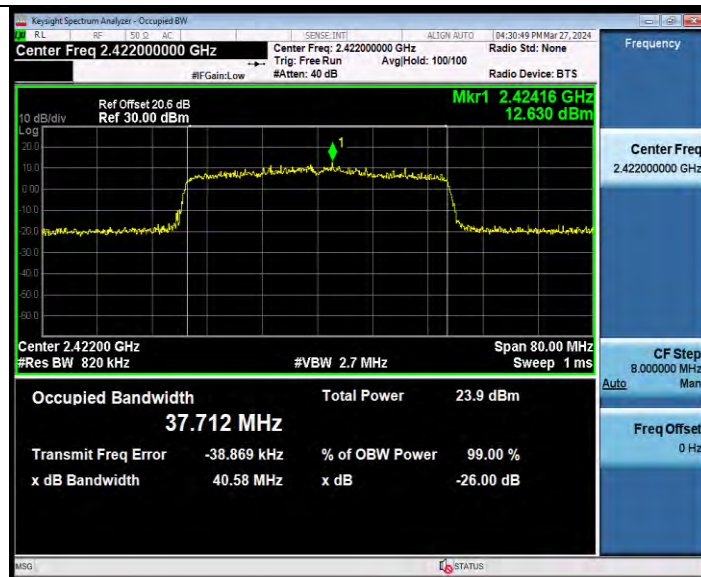


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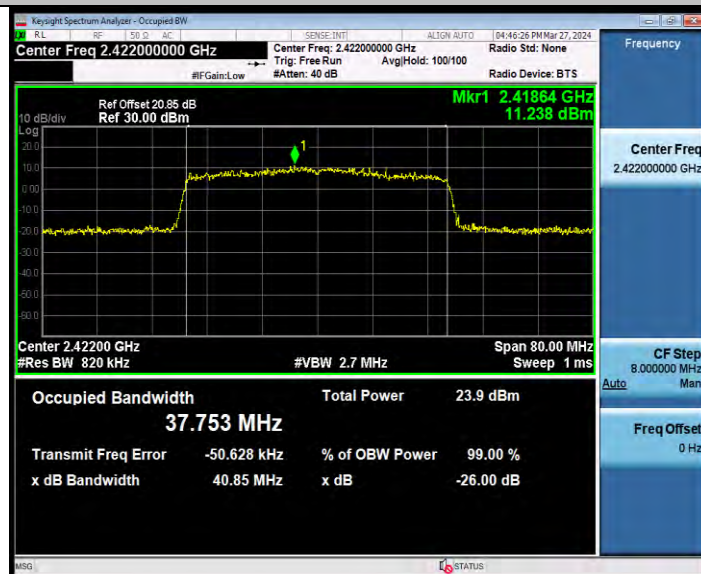


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VERITAS

Test Report No.: W7L-P24030005RF02



11AX40MIMO_Ant2_2422



11AX40MIMO_Ant1_2437

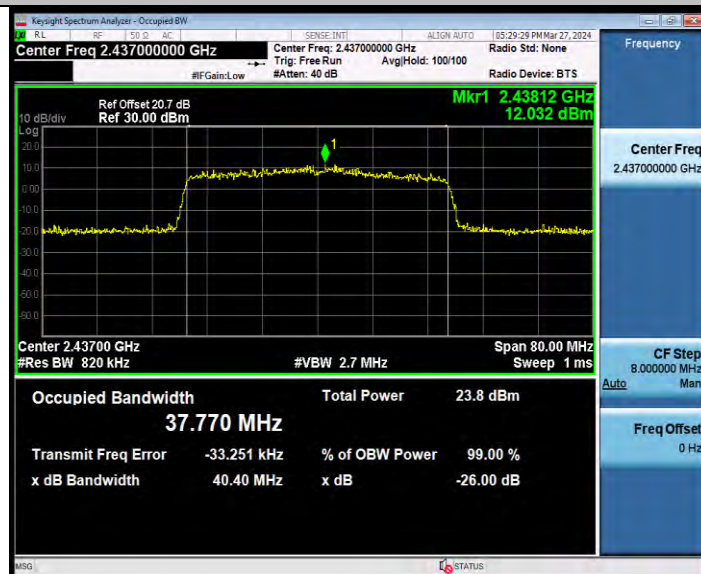


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Test Report No.: W7L-P24030005RF02



11AX40MIMO_Ant2_2437

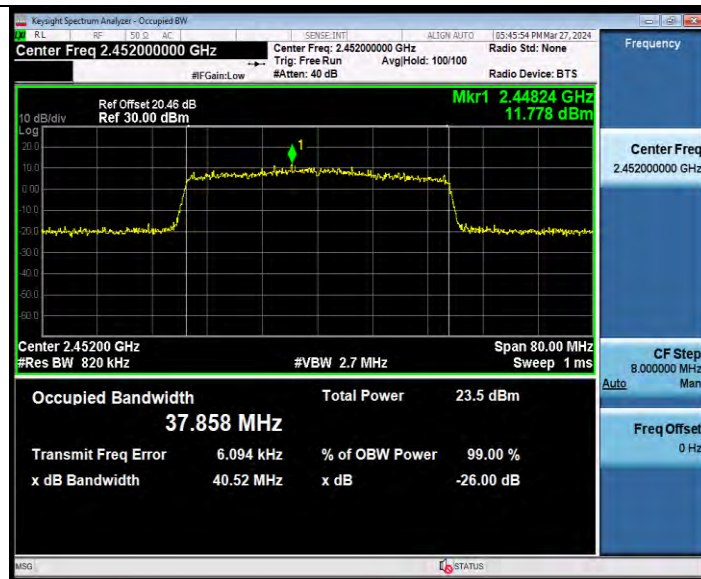


11AX40MIMO_Ant1_2452

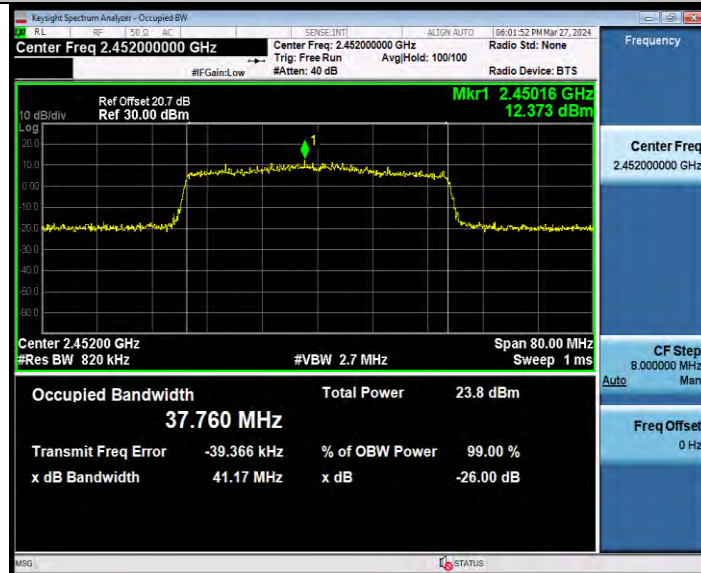


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11AX40MIMO_Ant2_2452





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Test Report No.: W7L-P24030005RF02

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]	EIRP power [dBm]	EIRP power [mw]	EIRP Limit [dBm]	Verdict	Power Setting
11B	CDD	2412	ANT1	19.15	18.03	63.53	≤30.00	21.33	135.83	≤36.00	PASS	18.5
			ANT2	18.63	21.79	151.01	≤30.00	21.09	128.53	≤36.00	PASS	18.5
			Total	21.90	23.32	214.78	≤30.00	24.22	264.36	≤36.00	PASS	18.5
		2437	ANT1	19.07	22.81	190.99	≤30.00	22.11	162.55	≤36.00	PASS	18.5
			ANT2	18.07	21.89	154.53	≤30.00	21.19	131.52	≤36.00	PASS	18.5
			Total	21.61	25.39	345.51	≤30.00	24.68	294.08	≤36.00	PASS	18.5
		2462	ANT1	19.06	22.96	197.70	≤30.00	22.26	168.27	≤36.00	PASS	18.5
			ANT2	18.07	21.88	154.17	≤30.00	21.18	131.22	≤36.00	PASS	18.5
			Total	21.60	25.46	351.87	≤30.00	24.76	299.49	≤36.00	PASS	18.5
11G	CDD	2412	ANT1	18.24	24.11	257.63	≤30.00	23.41	219.28	≤36.00	PASS	17.5
			ANT2	16.88	22.84	192.31	≤30.00	22.14	163.68	≤36.00	PASS	17.5
			Total	20.62	26.53	449.94	≤30.00	25.83	382.96	≤36.00	PASS	17.5
		2437	ANT1	18.11	24.03	252.93	≤30.00	23.33	215.28	≤36.00	PASS	17.5
			ANT2	17.02	23.41	219.28	≤30.00	22.71	186.64	≤36.00	PASS	17.5
			Total	20.60	26.74	472.21	≤30.00	26.04	401.92	≤36.00	PASS	17.5
		2462	ANT1	18.28	24.25	266.07	≤30.00	23.55	226.46	≤36.00	PASS	17.5
			ANT2	16.98	23.36	216.77	≤30.00	22.66	184.50	≤36.00	PASS	17.5
			Total	20.69	26.84	482.84	≤30.00	26.14	410.97	≤36.00	PASS	17.5
11N20	MIMO	2412	ANT1	17.92	23.80	239.88	≤30.00	23.10	204.17	≤36.00	PASS	17.5
			ANT2	16.63	22.76	188.80	≤30.00	22.06	160.69	≤36.00	PASS	17.5
			Total	20.37	26.32	428.68	≤30.00	25.62	364.87	≤36.00	PASS	17.5
		2437	ANT1	17.82	23.72	235.50	≤30.00	23.02	200.45	≤36.00	PASS	17.5
			ANT2	16.81	23.23	210.38	≤30.00	22.53	179.06	≤36.00	PASS	17.5
			Total	20.39	26.50	445.88	≤30.00	25.79	379.51	≤36.00	PASS	17.5
		2462	ANT1	18.02	23.99	250.61	≤30.00	23.29	213.30	≤36.00	PASS	17.5
			ANT2	16.71	23.35	216.27	≤30.00	22.65	184.08	≤36.00	PASS	17.5
			Total	20.46	26.69	466.88	≤30.00	25.99	397.38	≤36.00	PASS	17.5



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11N40	MIMO	2422	ANT1	17.31	22.17	164.82	≤30.00	21.47	140.28	≤36.00	PASS	16.5
			ANT2	16.38	21.40	138.04	≤30.00	20.70	117.49	≤36.00	PASS	16.5
			Total	19.93	24.81	302.85	≤30.00	24.11	257.77	≤36.00	PASS	16.5
		2437	ANT1	17.33	22.17	164.82	≤30.00	21.47	140.28	≤36.00	PASS	16.5
			ANT2	16.45	21.39	137.72	≤30.00	20.69	117.22	≤36.00	PASS	16.5
			Total	19.97	24.81	302.54	≤30.00	24.11	257.50	≤36.00	PASS	16.5
		2452	ANT1	17.43	22.41	174.18	≤30.00	21.71	148.25	≤36.00	PASS	16.5
			ANT2	16.32	21.40	138.04	≤30.00	20.70	117.49	≤36.00	PASS	16.5
			Total	19.97	24.94	312.22	≤30.00	24.24	265.74	≤36.00	PASS	
11AX20	MIMO	2412	ANT1	18.04	24.38	274.2	≤30.00	23.68	233.35	≤36.00	PASS	17.5
			ANT2	16.70	23.37	217.3	≤30.00	22.67	184.93	≤36.00	PASS	17.5
			Total	20.48	26.92	491.4	≤30.00	26.21	418.27	≤36.00	PASS	17.5
		2437	ANT1	17.91	24.35	272.3	≤30.00	23.65	231.74	≤36.00	PASS	17.5
			ANT2	16.87	23.91	246.0	≤30.00	23.21	209.41	≤36.00	PASS	17.5
			Total	20.48	27.14	518.3	≤30.00	26.45	441.15	≤36.00	PASS	17.5
		2462	ANT1	18.12	24.01	293.1	≤30.00	23.97	249.46	≤36.00	PASS	17.5
			ANT2	16.87	24.0	251.8	≤30.00	23.31	214.29	≤36.00	PASS	17.5
			Total	20.60	27.36	544.9	≤30.00	26.66	463.75	≤36.00	PASS	17.5
11AX40	MIMO	2412	ANT1	17.13	22.34	171.4	≤30.00	21.64	145.88	≤36.00	PASS	16.5
			ANT2	16.08	20.92	123.6	≤30.00	20.22	105.20	≤36.00	PASS	16.5
			Total	19.6	24.70	295.0	≤30.00	24.00	251.08	≤36.00	PASS	16.5
		2437	ANT1	17.12	22.10	162.2	≤30.00	21.40	138.04	≤36.00	PASS	16.5
			ANT2	16.16	20.99	125.6	≤30.00	20.29	106.91	≤36.00	PASS	16.5
			Total	19.7	24.59	287.8	≤30.00	23.89	244.94	≤36.00	PASS	16.5
		2462	ANT1	17.28	22.41	174.2	≤30.00	21.71	148.25	≤36.00	PASS	16.5
			ANT2	16.09	21.17	130.9	≤30.00	20.47	111.43	≤36.00	PASS	16.5
			Total	19.7	24.85	305.1	≤30.00	24.14	259.68	≤36.00	PASS	16.5

Note: The average power with ducty cycle factor.

MAXIMUM POWER SPECTRAL DENSITY TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant1	2412	-3.26	≤8.00	PASS
	Ant2	2412	-4.54	≤8.00	PASS
	total	2412	-0.84	≤8.00	PASS
	Ant1	2437	-4.09	≤8.00	PASS
	Ant2	2437	-5.25	≤8.00	PASS
	total	2437	-1.62	≤8.00	PASS
	Ant1	2462	-2.39	≤8.00	PASS
	Ant2	2462	-3.74	≤8.00	PASS
	total	2462	0.00	≤8.00	PASS
11G-CDD	Ant1	2412	-6.20	≤8.00	PASS
	Ant2	2412	-7.66	≤8.00	PASS
	total	2412	-3.86	≤8.00	PASS
	Ant1	2437	-6.72	≤8.00	PASS
	Ant2	2437	-8.03	≤8.00	PASS
	total	2437	-4.32	≤8.00	PASS
	Ant1	2462	-6.09	≤8.00	PASS
	Ant2	2462	-7.24	≤8.00	PASS
	total	2462	-3.62	≤8.00	PASS
11N20MIMO	Ant1	2412	-4.59	≤8.00	PASS



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	Ant2	2412	-6.13	≤8.00	PASS
	total	2412	-2.28	≤8.00	PASS
	Ant1	2437	-5.39	≤8.00	PASS
	Ant2	2437	-6.96	≤8.00	PASS
	total	2437	-3.09	≤8.00	PASS
	Ant1	2462	-4.85	≤8.00	PASS
	Ant2	2462	-6.28	≤8.00	PASS
	total	2462	-2.50	≤8.00	PASS
11N40MIMO	Ant1	2422	-8.62	≤8.00	PASS
	Ant2	2422	-9.37	≤8.00	PASS
	total	2422	-5.97	≤8.00	PASS
	Ant1	2437	-8.91	≤8.00	PASS
	Ant2	2437	-10.17	≤8.00	PASS
	total	2437	-6.48	≤8.00	PASS
	Ant1	2452	-9.30	≤8.00	PASS
	Ant2	2452	-9.93	≤8.00	PASS
11AX20MIMO	total	2452	-6.59	≤8.00	PASS
	Ant1	2412	-5.58	≤8.00	PASS
	Ant2	2412	-6.71	≤8.00	PASS
	total	2412	-3.10	≤8.00	PASS
	Ant1	2437	-6.02	≤8.00	PASS
	Ant2	2437	-7.46	≤8.00	PASS
	total	2437	-3.67	≤8.00	PASS
	Ant1	2462	-6.51	≤8.00	PASS
11AX40MIMO	Ant2	2462	-5.76	≤8.00	PASS
	total	2462	-3.11	≤8.00	PASS
	Ant1	2422	-9.93	≤8.00	PASS
	Ant2	2422	-9.84	≤8.00	PASS
	total	2422	-6.87	≤8.00	PASS
	Ant1	2437	-10.38	≤8.00	PASS
	Ant2	2437	-10.28	≤8.00	PASS
	total	2437	-7.32	≤8.00	PASS
	Ant1	2452	-10.54	≤8.00	PASS
	Ant2	2452	-10.47	≤8.00	PASS
	total	2452	-7.49	≤8.00	PASS



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TEST GRAPHS

11B-CDD_Ant1_2412



11B-CDD_Ant2_2412

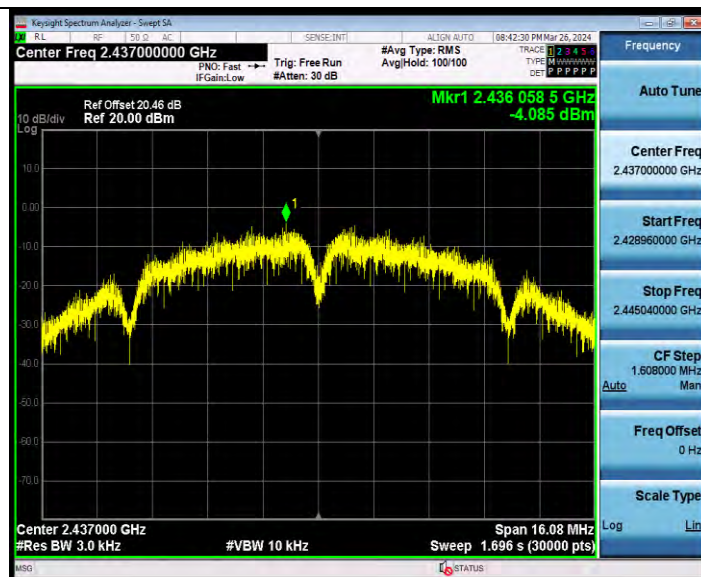


11B-CDD_Ant1_2437



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11B-CDD_Ant2_2437

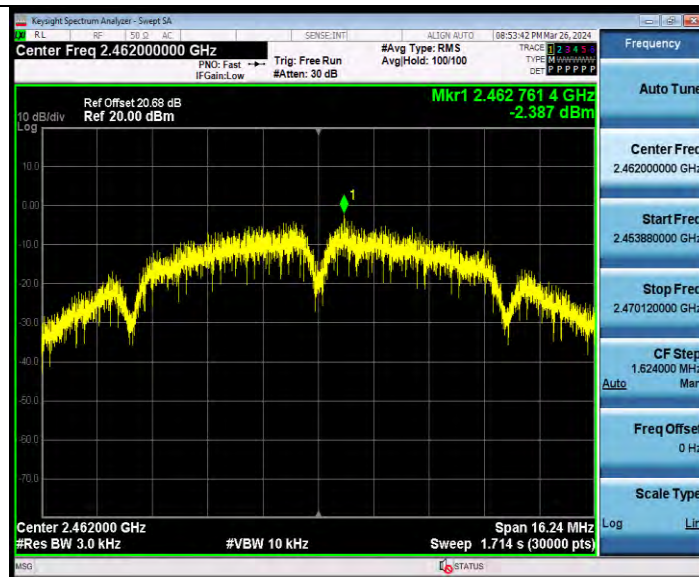


11B-CDD_Ant1_2462



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Test Report No.: W7L-P24030005RF02



11B-CDD_Ant2_2462

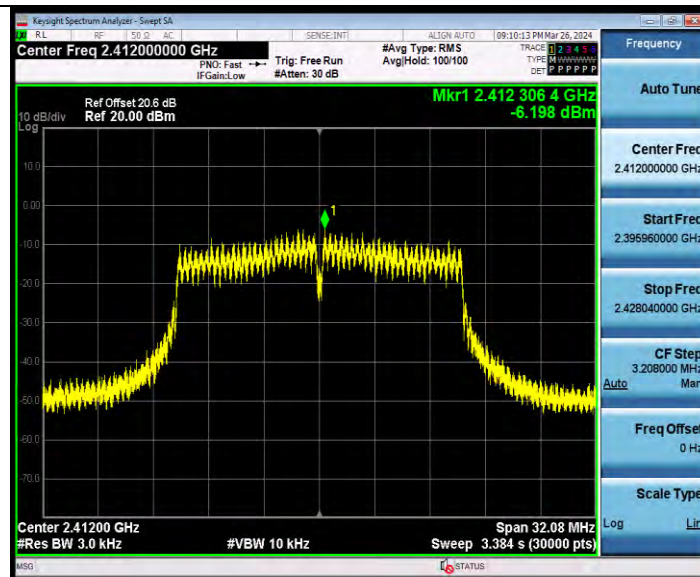


11G-CDD_Ant1_2412



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VERITAS

Test Report No.: W7L-P24030005RF02



11G-CDD_Ant2_2412

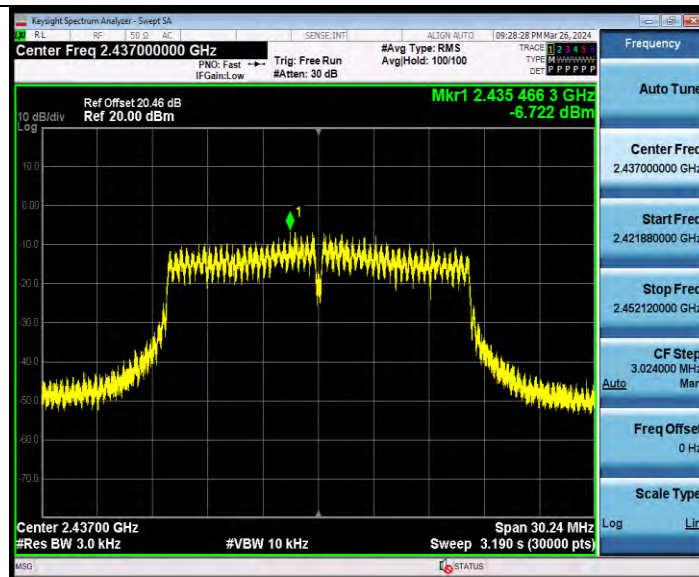


11G-CDD_Ant1_2437



BUREAU
VERITAS

Test Report No.: W7L-P24030005RF02



11G-CDD_Ant2_2437

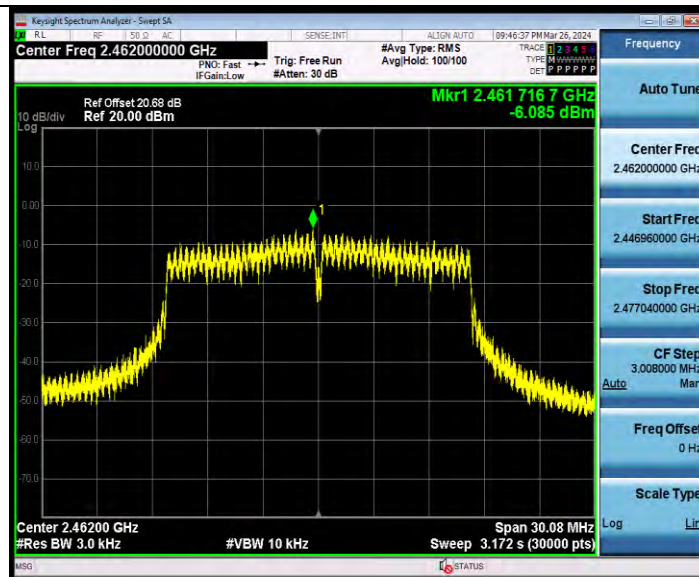


11G-CDD_Ant1_2462



BUREAU
VERITAS

Test Report No.: W7L-P24030005RF02



11G-CDD_Ant2_2462

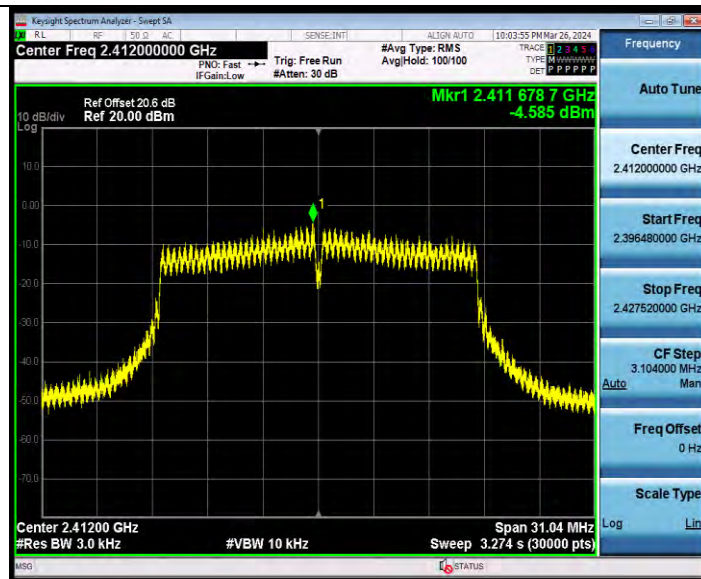


11N20MIMO_Ant1_2412



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Test Report No.: W7L-P24030005RF02



11N20MIMO_Ant2_2412

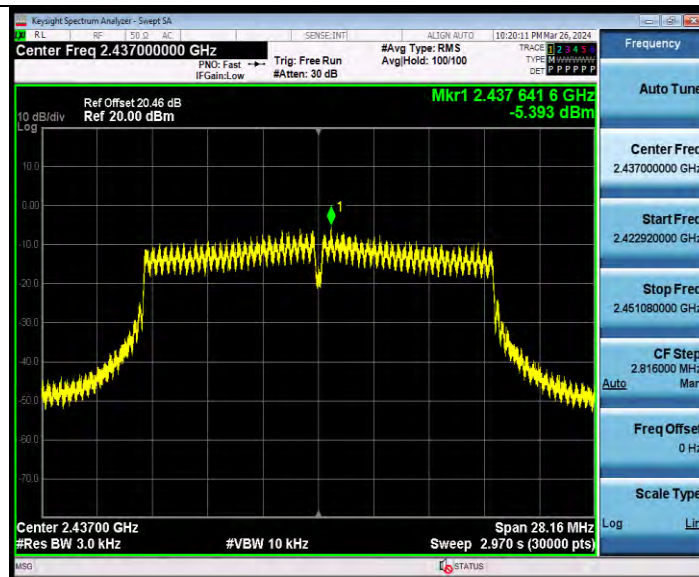


11N20MIMO_Ant1_2437



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VERITAS

Test Report No.: W7L-P24030005RF02



11N20MIMO_Ant2_2437

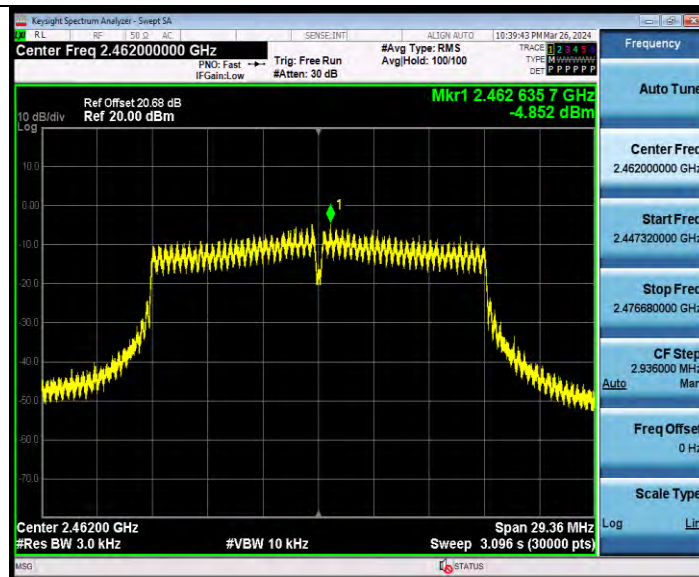


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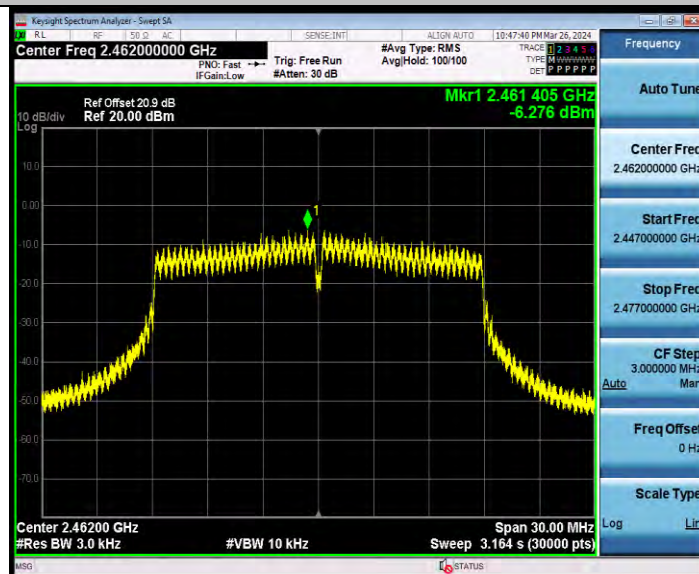


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Test Report No.: W7L-P24030005RF02



11N20MIMO_Ant2_2462

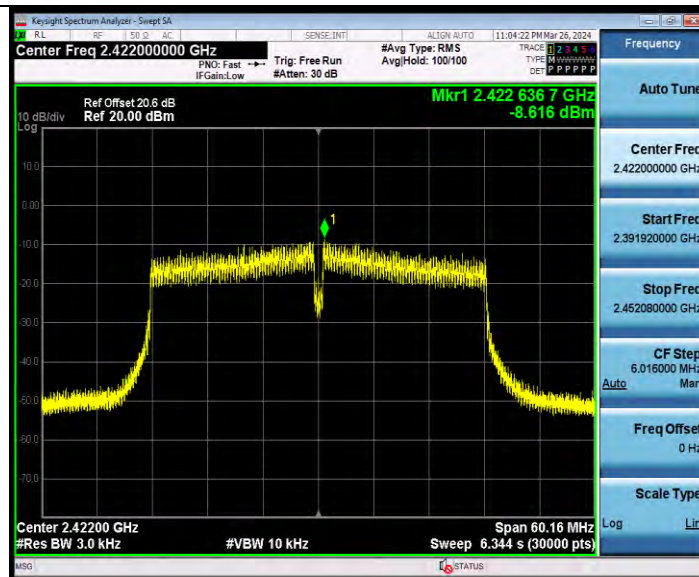


11N40MIMO_Ant1_2422



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Test Report No.: W7L-P24030005RF02



11N40MIMO_Ant2_2422

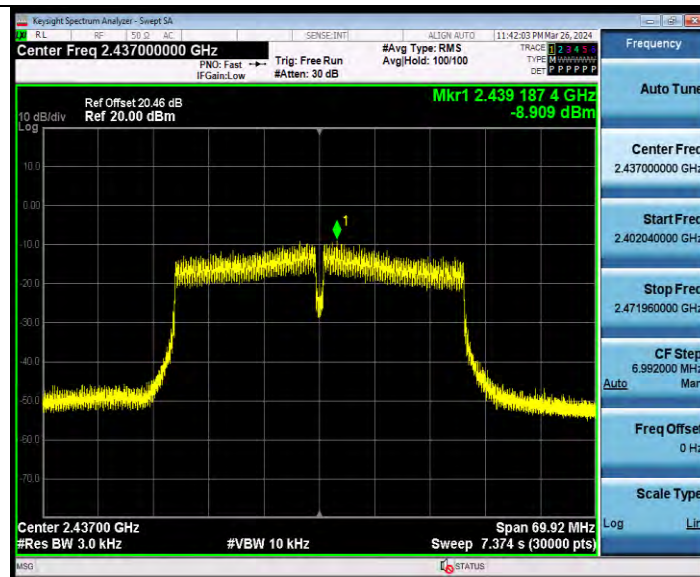


11N40MIMO_Ant1_2437



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Test Report No.: W7L-P24030005RF02



11N40MIMO_Ant2_2437

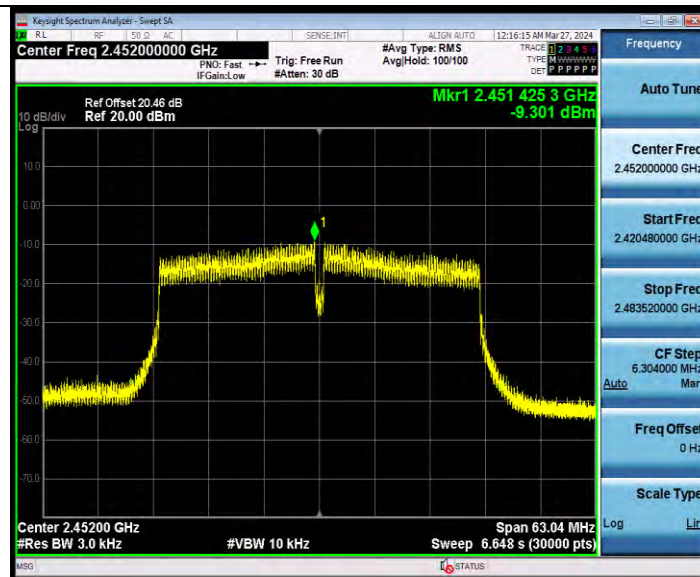


11N40MIMO_Ant1_2452



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11N40MIMO_Ant2_2452

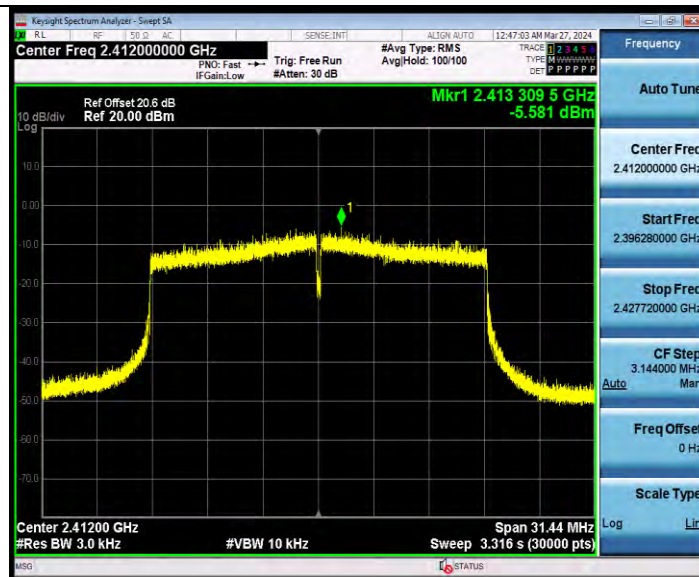


11AX20MIMO_Ant1_2412



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Test Report No.: W7L-P24030005RF02



11AX20MIMO_Ant2_2412

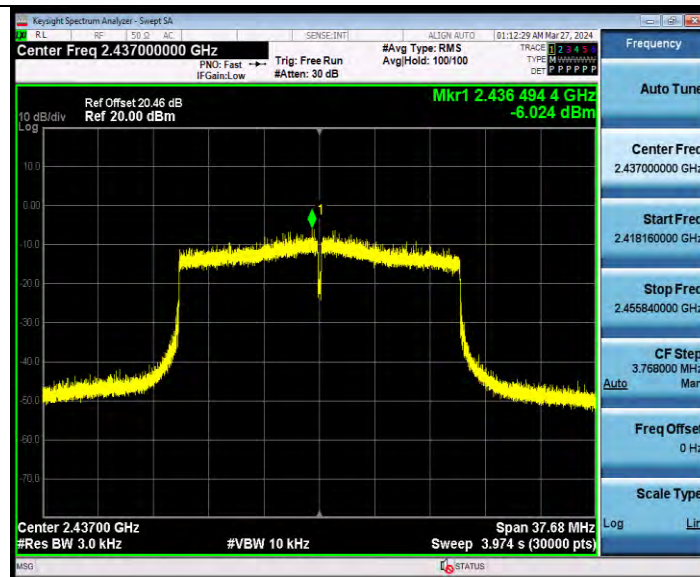


11AX20MIMO_Ant1_2437



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VERITAS

Test Report No.: W7L-P24030005RF02



11AX20MIMO_Ant2_2437

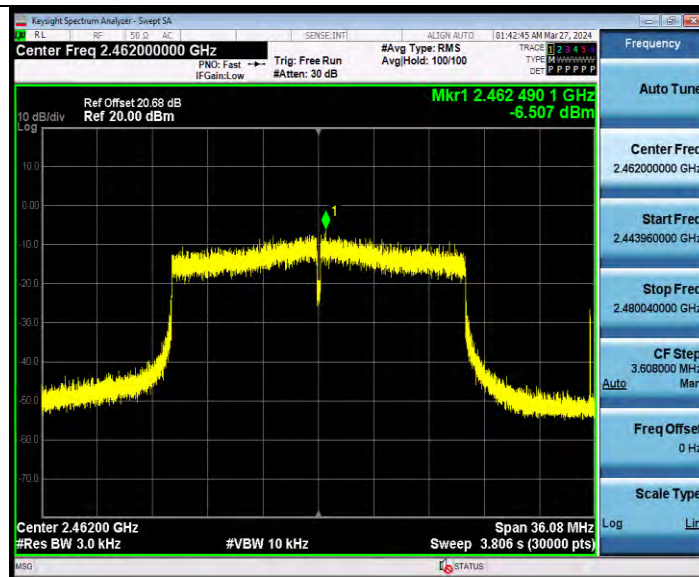


11AX20MIMO_Ant1_2462



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11AX20MIMO_Ant2_2462



11AX40MIMO_Ant1_2422