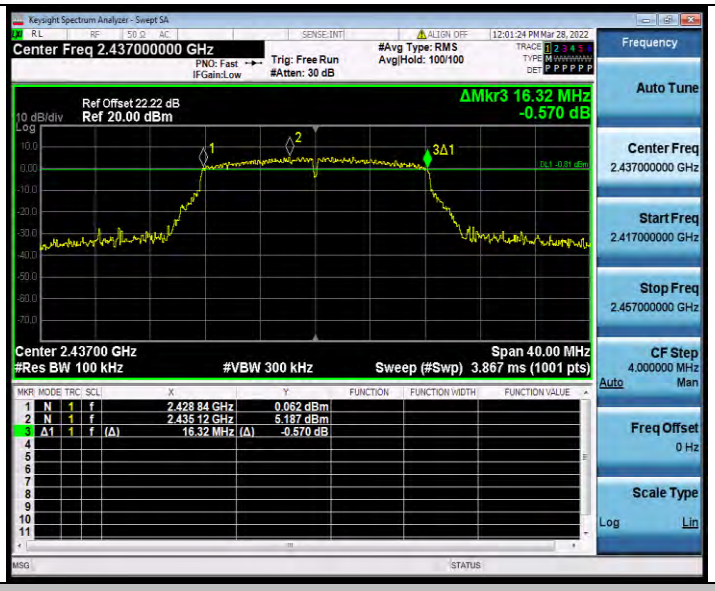
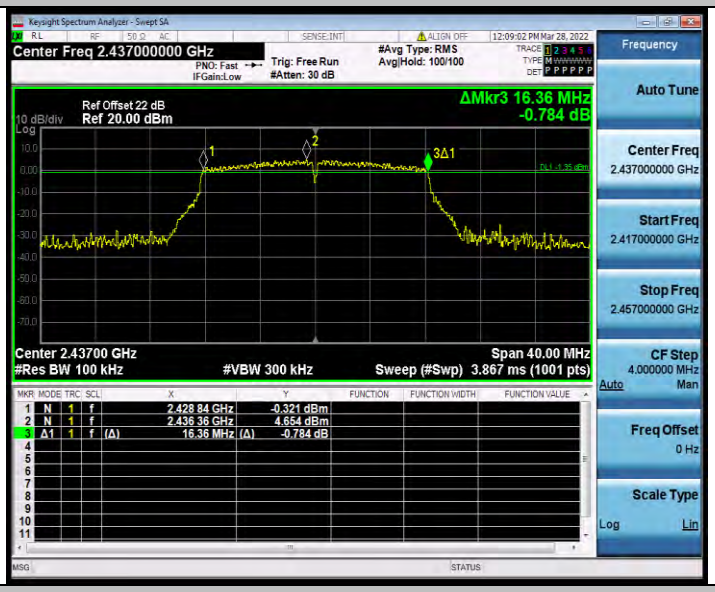
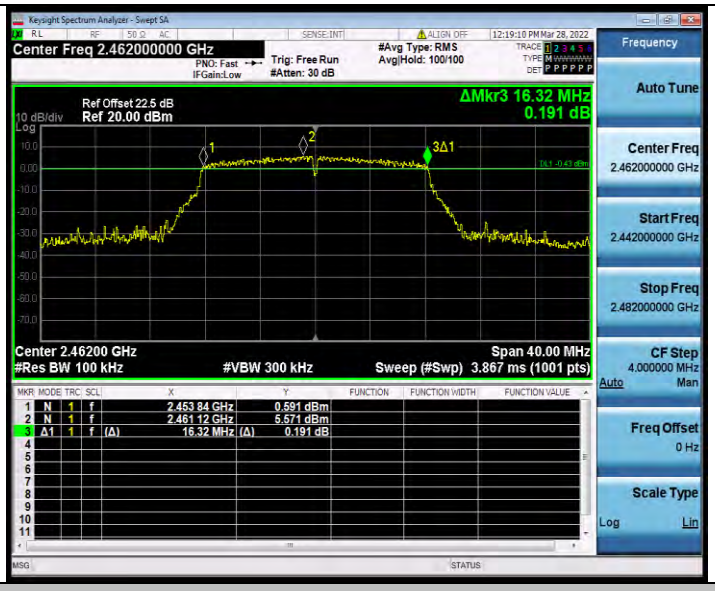


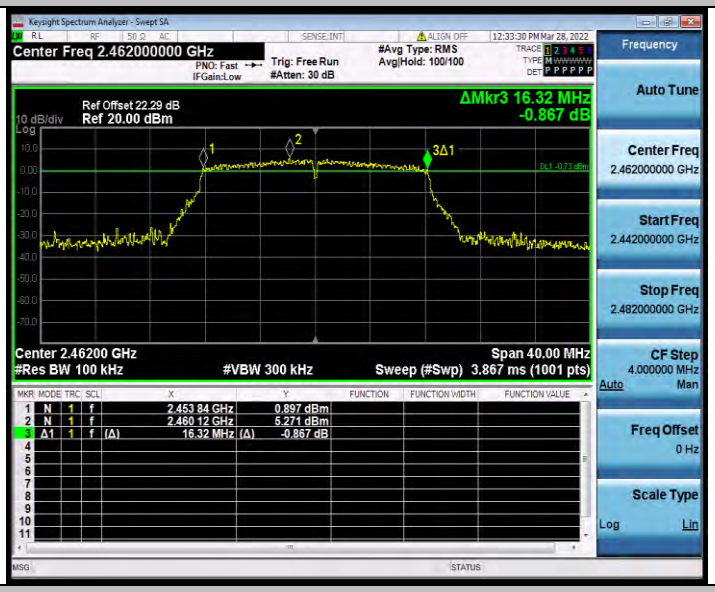
11G-CDD_Ant1_2437



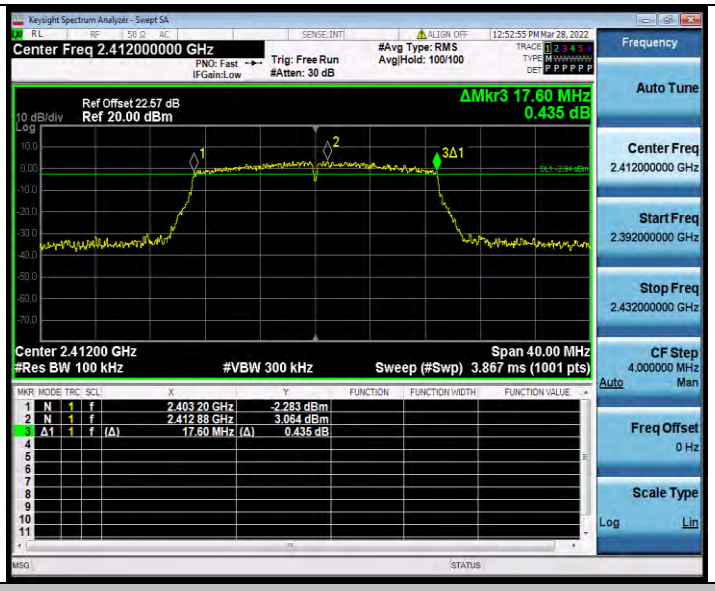
11G-CDD_Ant0_2462



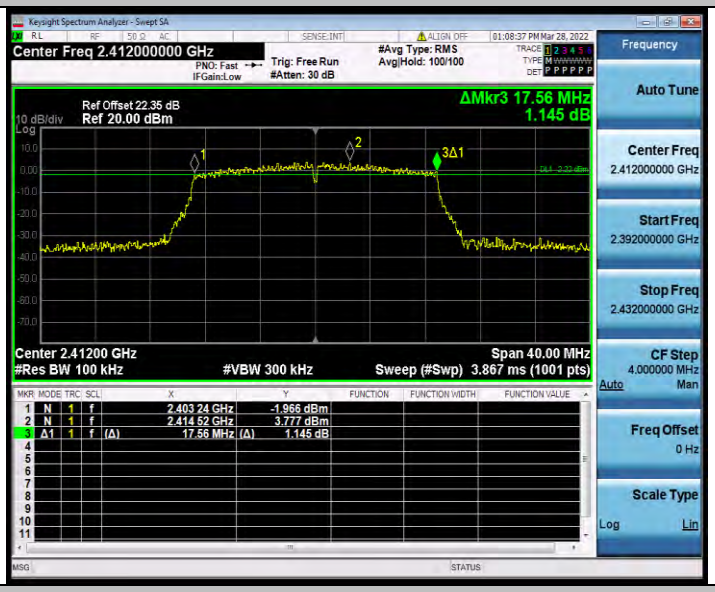
11G-CDD_Ant1_2462



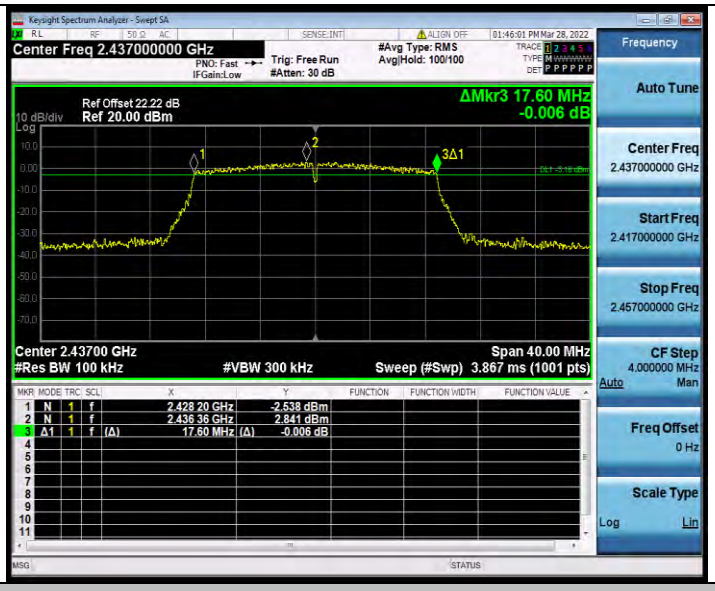
11N20MIMO_Ant0_2412



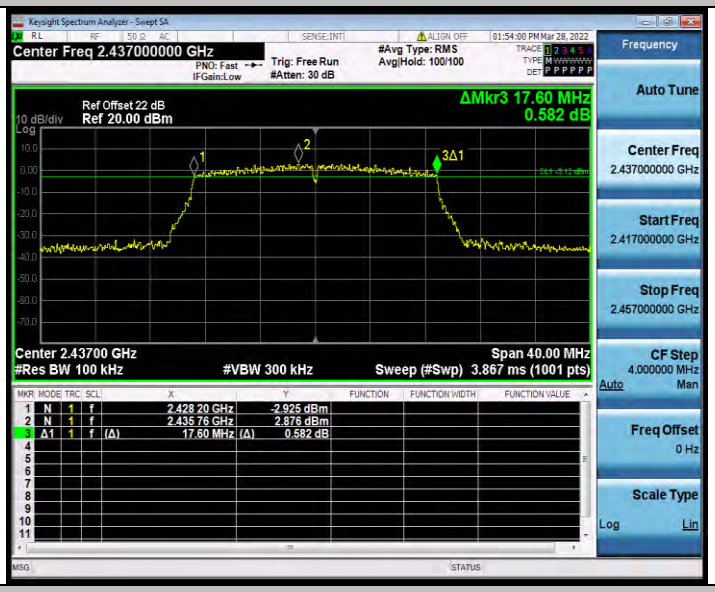
11N20MIMO_Ant1_2412



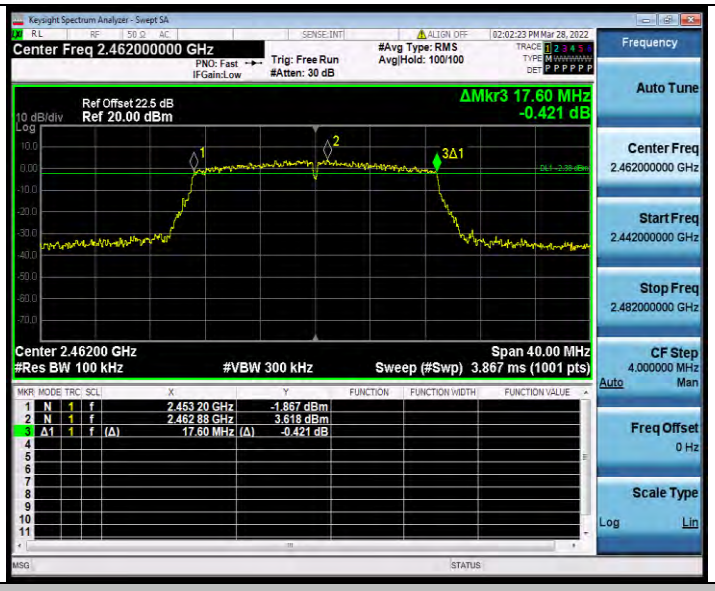
11N20MIMO_Ant0_2437



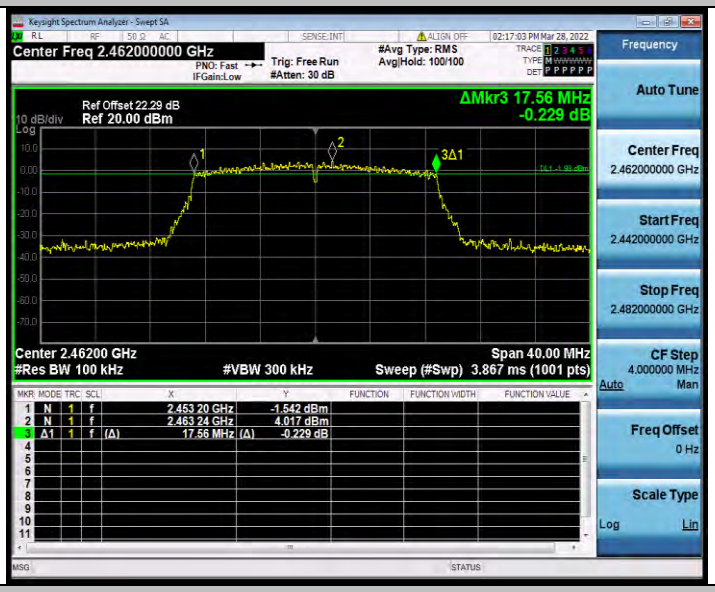
11N20MIMO_Ant1_2437



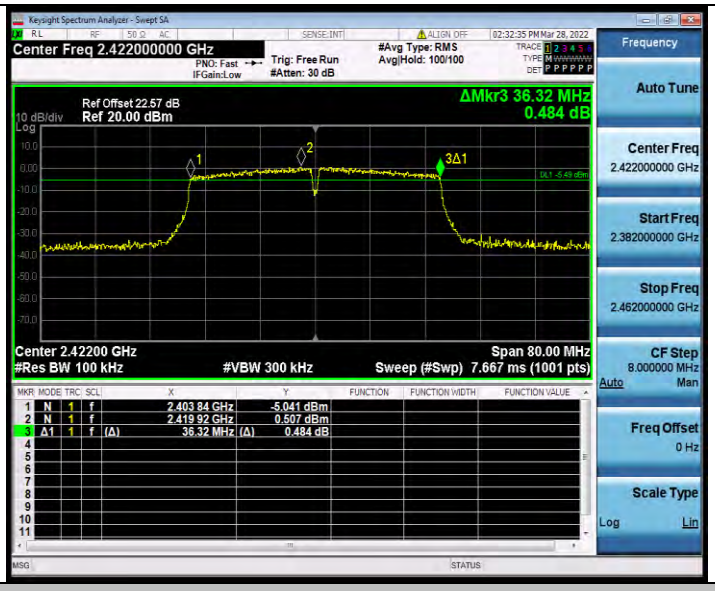
11N20MIMO_Ant0_2462



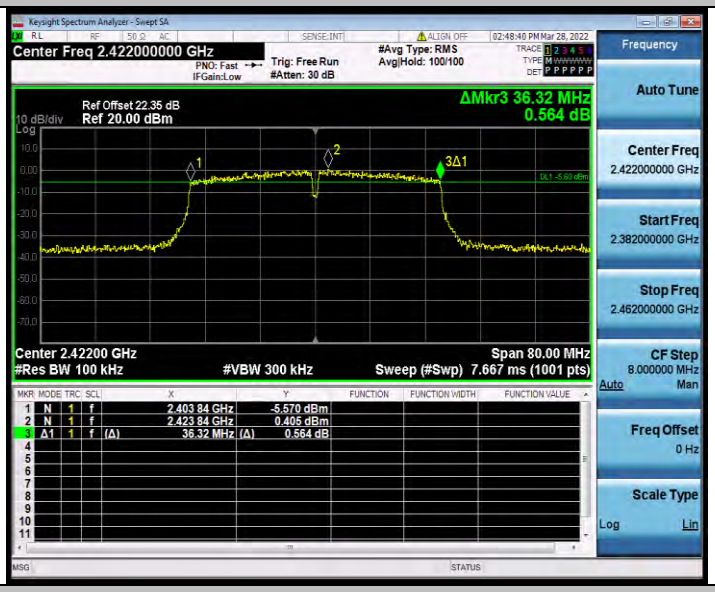
11N20MIMO_Ant1_2462



11N40MIMO_Ant0_2422



11N40MIMO_Ant1_2422



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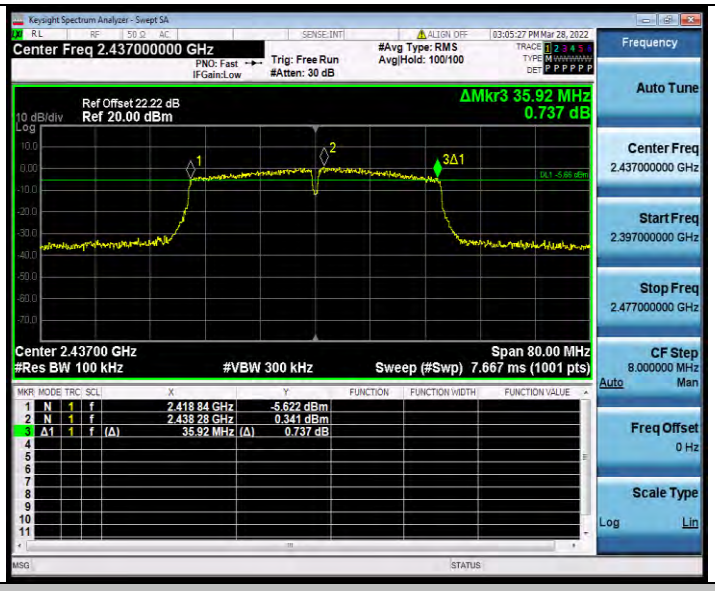
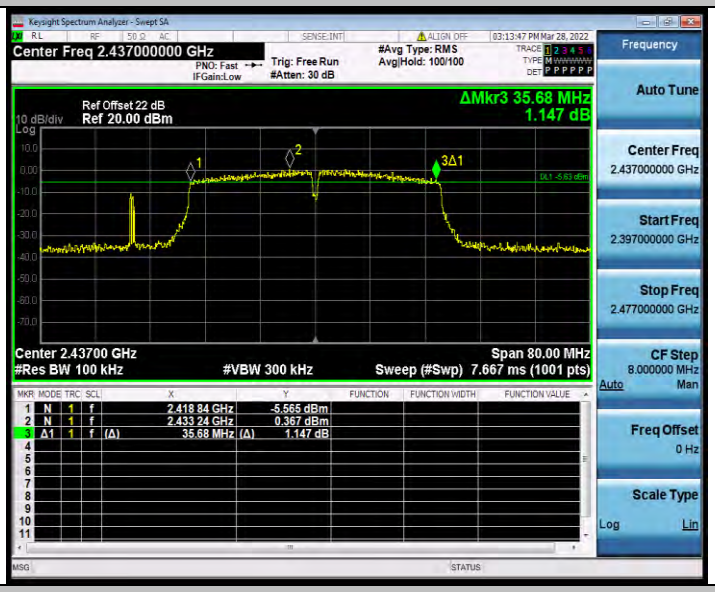
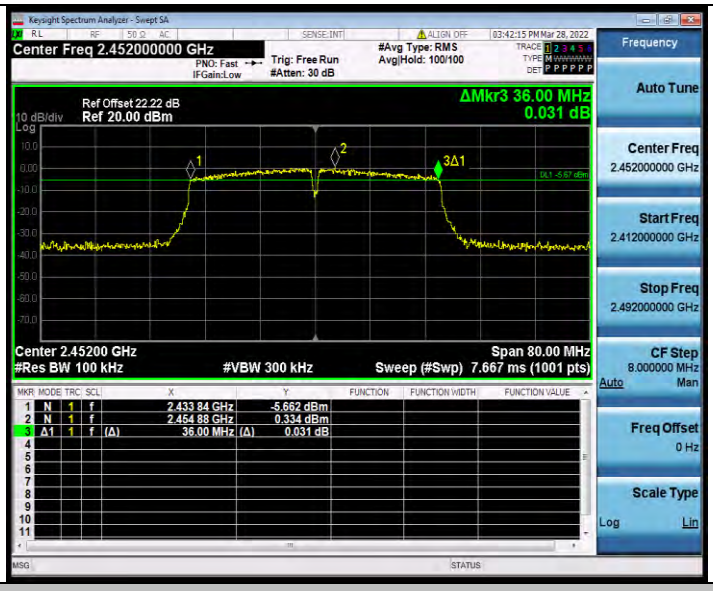


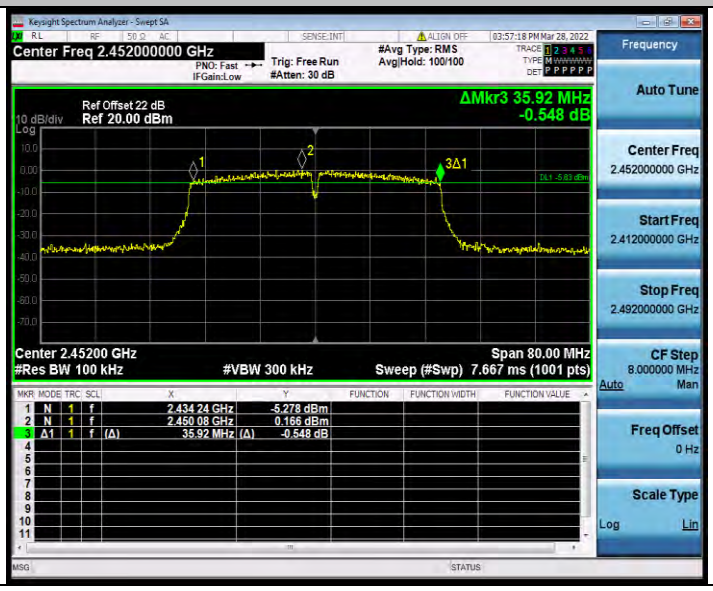
11N40MIMO_Ant1_2437



11N40MIMO_Ant0_2452



11N40MIMO_Ant1_2452



MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT PEAK

TestMode	Antenna	Frequency [MHz]	Peak power [dBm]	Peak power [mw]	Limit [dBm]	Verdict	Power Setting
11B-SISO	Ant0	2412	20.65	116.14	≤30.00	PASS	18.5
	Ant0	2437	21.05	127.35	≤30.00	PASS	18.5
	Ant0	2462	21.33	135.83	≤30.00	PASS	19
	Ant1	2412	20.64	115.88	≤30.00	PASS	18.5
	Ant1	2437	20.53	112.98	≤30.00	PASS	18.5
	Ant1	2462	20.79	119.95	≤30.00	PASS	19
11G-SISO	Ant0	2412	25.33	341.19	≤30.00	PASS	16.5
	Ant0	2437	26.23	419.76	≤30.00	PASS	18
	Ant0	2462	25.01	316.96	≤30.00	PASS	15.5
	Ant1	2412	25.04	319.15	≤30.00	PASS	16.5
	Ant1	2437	24.83	304.09	≤30.00	PASS	18
	Ant1	2462	24.72	296.48	≤30.00	PASS	15.5
11N20-SISO	Ant0	2412	25.03	318.42	≤30.00	PASS	16
	Ant0	2437	24.15	260.02	≤30.00	PASS	16
	Ant0	2462	24.43	277.33	≤30.00	PASS	14.5
	Ant1	2412	24.03	252.93	≤30.00	PASS	16
	Ant1	2437	24.76	299.23	≤30.00	PASS	16
	Ant1	2462	23.53	225.42	≤30.00	PASS	14.5
11N40-SISO	Ant0	2422	23.06	202.30	≤30.00	PASS	12.5
	Ant0	2437	25.43	349.14	≤30.00	PASS	16
	Ant0	2452	22.93	196.34	≤30.00	PASS	13
	Ant1	2422	21.75	149.62	≤30.00	PASS	12.5
	Ant1	2437	25.14	326.59	≤30.00	PASS	16
	Ant1	2452	22.51	178.23	≤30.00	PASS	13
11AX20-SISO	Ant0	2412	21.74	149.28	≤30.00	PASS	13
	Ant0	2437	21.51	141.58	≤30.00	PASS	13
	Ant0	2462	22.54	179.47	≤30.00	PASS	13

	Ant1	2412	21.67	146.89	≤30.00	PASS	13
	Ant1	2437	21.75	149.62	≤30.00	PASS	13
	Ant1	2462	22.37	172.58	≤30.00	PASS	13
11AX40-SISO	Ant0	2422	21.96	157.04	≤30.00	PASS	13
	Ant0	2437	21.52	141.91	≤30.00	PASS	13
	Ant0	2452	21.78	150.66	≤30.00	PASS	13
	Ant1	2422	22.05	160.32	≤30.00	PASS	13
	Ant1	2437	22.05	160.32	≤30.00	PASS	13
	Ant1	2452	22.50	177.83	≤30.00	PASS	13

TestMode	Antenna	Frequency [MHz]	Peak power [dBm]	Peak power [mw]	Limit [dBm]	Verdict	Power Setting
11B-CDD	Ant0	2412	20.73	118.30	≤30.00	PASS	18.5
	Ant1	2412	20.61	115.08	≤30.00	PASS	18.5
	total	2412	23.68	233.35	≤30.00	PASS	18.5
	Ant0	2437	21.11	129.12	≤30.00	PASS	18.5
	Ant1	2437	20.55	113.50	≤30.00	PASS	18.5
	total	2437	23.85	242.66	≤30.00	PASS	18.5
	Ant0	2462	21.44	139.32	≤30.00	PASS	19
	Ant1	2462	20.99	125.60	≤30.00	PASS	19
	total	2462	24.23	264.85	≤30.00	PASS	19
11G-CDD	Ant0	2412	25.42	348.34	≤30.00	PASS	16.5
	Ant1	2412	25.09	322.85	≤30.00	PASS	16.5
	total	2412	28.27	671.19	≤30.00	PASS	16.5
	Ant0	2437	26.23	419.76	≤30.00	PASS	18
	Ant1	2437	25.66	368.13	≤30.00	PASS	18
	total	2437	28.96	787.05	≤30.00	PASS	18
	Ant0	2462	25.26	335.74	≤30.00	PASS	15.5
	Ant1	2462	24.79	330.37	≤30.00	PASS	15.5
	total	2462	28.04	637.04	≤30.00	PASS	15.5
11N20MIM	Ant0	2412	24.99	301.30	≤30.00	PASS	16

O	Ant1	2412	25.07	321.37	≤30.00	PASS	16
	total	2412	28.04	636.80	≤30.00	PASS	16
	Ant0	2437	24.23	264.85	≤30.00	PASS	16
	Ant1	2437	24.83	304.09	≤30.00	PASS	16
	total	2437	24.99	568.85	≤30.00	PASS	16
	Ant0	2462	24.47	279.90	≤30.00	PASS	14.5
	Ant1	2462	24.06	254.68	≤30.00	PASS	14.5
	total	2462	27.28	534.58	≤30.00	PASS	14.5
11N40MIMO	Ant0	2422	24.04	253.51	≤30.00	PASS	12.5
	Ant1	2422	21.91	155.24	≤30.00	PASS	12.5
	total	2422	26.11	408.75	≤30.00	PASS	12.5
	Ant0	2437	25.46	351.56	≤30.00	PASS	16
	Ant1	2437	25.17	328.85	≤30.00	PASS	16
	total	2437	28.33	680.77	≤30.00	PASS	16
	Ant0	2452	23.02	200.45	≤30.00	PASS	13
	Ant1	2452	22.07	161.06	≤30.00	PASS	13
	total	2452	25.58	361.51	≤30.00	PASS	13
11AX20MIMO	Ant0	2412	21.77	150.31	≤30.00	PASS	13
	Ant1	2412	21.38	137.40	≤30.00	PASS	13
	total	2412	24.59	287.74	≤30.00	PASS	13
	Ant0	2437	21.53	142.23	≤30.00	PASS	13
	Ant1	2437	21.77	150.31	≤30.00	PASS	13
	total	2437	24.66	292.42	≤30.00	PASS	13
	Ant0	2462	22.65	184.08	≤30.00	PASS	13
	Ant1	2462	22.75	188.36	≤30.00	PASS	13
	total	2462	25.71	372.39	≤30.00	PASS	13
11AX40MIMO	Ant0	2422	22.03	159.59	≤30.00	PASS	13
	Ant1	2422	22.09	161.81	≤30.00	PASS	13
	total	2422	25.07	321.37	≤30.00	PASS	13
	Ant0	2437	21.56	143.22	≤30.00	PASS	13
	Ant1	2437	22.06	160.69	≤30.00	PASS	13
	total	2437	24.83	304.09	≤30.00	PASS	13
	Ant0	2452	21.81	151.71	≤30.00	PASS	13
	Ant1	2452	22.81	190.99	≤30.00	PASS	13
	total	2452	25.35	342.77	≤30.00	PASS	13

TEST RESULT AVERAGE

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Limit [dBm]	Verdict	Power Setting
11B -SISO	Ant0	2412	18.25	/	PASS	18.5
	Ant0	2437	18.61	/	PASS	18.5
	Ant0	2462	18.94	/	PASS	19
	Ant1	2412	18.15	/	PASS	18.5
	Ant1	2437	18.23	/	PASS	18.5
	Ant1	2462	18.32	/	PASS	19
11G -SISO	Ant0	2412	15.90	/	PASS	16.5
	Ant0	2437	17.31	/	PASS	18
	Ant0	2462	15.39	/	PASS	15.5
	Ant1	2412	14.47	/	PASS	16.5
	Ant1	2437	16.66	/	PASS	18
	Ant1	2462	13.95	/	PASS	15.5
11N20 -SISO	Ant0	2412	15.31	/	PASS	16
	Ant0	2437	15.35	/	PASS	16
	Ant0	2462	14.35	/	PASS	14.5
	Ant1	2412	15.03	/	PASS	16
	Ant1	2437	15.07	/	PASS	16
	Ant1	2462	12.26	/	PASS	14.5
11N40 -SISO	Ant0	2422	12.36	/	PASS	12.5
	Ant0	2437	15.54	/	PASS	16
	Ant0	2452	12.71	/	PASS	13
	Ant1	2422	11.19	/	PASS	12.5
	Ant1	2437	14.82	/	PASS	16
	Ant1	2452	11.97	/	PASS	13
11AX20 -SISO	Ant0	2412	12.42	/	PASS	13
	Ant0	2437	12.83	/	PASS	13
	Ant0	2462	12.92	/	PASS	13
	Ant1	2412	12.15	/	PASS	13

	Ant1	2437	12.21	/	PASS	13
	Ant1	2462	12.05	/	PASS	13
11AX40 -SISO	Ant0	2422	12.35	/	PASS	13
	Ant0	2437	12.76	/	PASS	13
	Ant0	2452	12.54	/	PASS	13
	Ant1	2422	11.13	/	PASS	13
	Ant1	2437	12.31	/	PASS	13
	Ant1	2452	11.96	/	PASS	13

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Limit [dBm]	Verdict	Power Setting
11B-CDD	Ant0	2412	18.27	/	PASS	18.5
	Ant1	2412	18.13	/	PASS	18.5
	total	2412	21.21	/	PASS	18.5
	Ant0	2437	18.63	/	PASS	18.5
	Ant1	2437	18.21	/	PASS	18.5
	total	2437	21.44	/	PASS	18.5
	Ant0	2462	18.98	/	PASS	19
	Ant1	2462	18.42	/	PASS	19
	total	2462	21.72	/	PASS	19
11G-CDD	Ant0	2412	16.01	/	PASS	16.5
	Ant1	2412	15.42	/	PASS	16.5
	total	2412	18.74	/	PASS	16.5
	Ant0	2437	17.45	/	PASS	18
	Ant1	2437	17.46	/	PASS	18
	total	2437	20.47	/	PASS	18
	Ant0	2462	14.57	/	PASS	15.5
	Ant1	2462	14.02	/	PASS	15.5
	total	2462	17.31	/	PASS	15.5
11N20MIMO	Ant0	2412	15.56	/	PASS	16
	Ant1	2412	15.41	/	PASS	16

	total	2412	18.50	/	PASS	16
	Ant0	2437	15.45	/	PASS	16
	Ant1	2437	15.11	/	PASS	16
	total	2437	18.29	/	PASS	16
	Ant0	2462	14.42	/	PASS	14.5
	Ant1	2462	12.52	/	PASS	14.5
	total	2462	16.58	/	PASS	14.5
11N40MIMO	Ant0	2422	12.68	/	PASS	12.5
	Ant1	2422	11.30	/	PASS	12.5
	total	2422	15.05	/	PASS	12.5
	Ant0	2437	15.59	/	PASS	16
	Ant1	2437	14.98	/	PASS	16
	total	2437	18.31	/	PASS	16
	Ant0	2452	12.95	/	PASS	13
	Ant1	2452	12.04	/	PASS	13
	total	2452	15.53	/	PASS	13
11AX20MIMO	Ant0	2412	12.51	/	PASS	13
	Ant1	2412	12.16	/	PASS	13
	total	2412	15.35	/	PASS	13
	Ant0	2437	12.88	/	PASS	13
	Ant1	2437	12.22	/	PASS	13
	total	2437	15.57	/	PASS	13
	Ant0	2462	12.94	/	PASS	13
	Ant1	2462	12.18	/	PASS	13
	total	2462	15.59	/	PASS	13
11AX40MIMO	Ant0	2422	12.67	/	PASS	13
	Ant1	2422	11.88	/	PASS	13
	total	2422	15.30	/	PASS	13
	Ant0	2437	12.79	/	PASS	13
	Ant1	2437	12.32	/	PASS	13
	total	2437	15.57	/	PASS	13
	Ant0	2452	12.57	/	PASS	13
	Ant1	2452	12.03	/	PASS	13
	total	2452	15.32	/	PASS	13

MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

TestMode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B-CDD	Ant0	2412	-1.43	≤8.00	PASS
	Ant1	2412	-2.94	≤8.00	PASS
	total	2412	0.89	≤8.00	PASS
	Ant0	2437	-1.28	≤8.00	PASS
	Ant1	2437	-1.71	≤8.00	PASS
	total	2437	1.52	≤8.00	PASS
	Ant0	2462	-0.63	≤8.00	PASS
	Ant1	2462	-1.68	≤8.00	PASS
	total	2462	1.89	≤8.00	PASS
11G-CDD	Ant0	2412	-4.14	≤8.00	PASS
	Ant1	2412	-4.19	≤8.00	PASS
	total	2412	-1.15	≤8.00	PASS
	Ant0	2437	-5.01	≤8.00	PASS
	Ant1	2437	-4.26	≤8.00	PASS
	total	2437	-1.61	≤8.00	PASS
	Ant0	2462	-4.54	≤8.00	PASS
	Ant1	2462	-4.73	≤8.00	PASS
	total	2462	-1.62	≤8.00	PASS
11N20MIMO	Ant0	2412	-6.14	≤8.00	PASS
	Ant1	2412	-6.97	≤8.00	PASS
	total	2412	-3.52	≤8.00	PASS
	Ant0	2437	-6.29	≤8.00	PASS
	Ant1	2437	-7.43	≤8.00	PASS
	total	2437	-3.81	≤8.00	PASS
	Ant0	2462	-6.29	≤8.00	PASS
	Ant1	2462	-6	≤8.00	PASS
	total	2462	-3.13	≤8.00	PASS
11N40MIMO	Ant0	2422	-9.83	≤8.00	PASS
	Ant1	2422	-9.4	≤8.00	PASS

	total	2422	-6.60	≤8.00	PASS
	Ant0	2437	-9.72	≤8.00	PASS
	Ant1	2437	-10.37	≤8.00	PASS
	total	2437	-7.02	≤8.00	PASS
	Ant0	2452	-9.84	≤8.00	PASS
	Ant1	2452	-10.68	≤8.00	PASS
	total	2452	-7.23	≤8.00	PASS

TEST GRAPHS

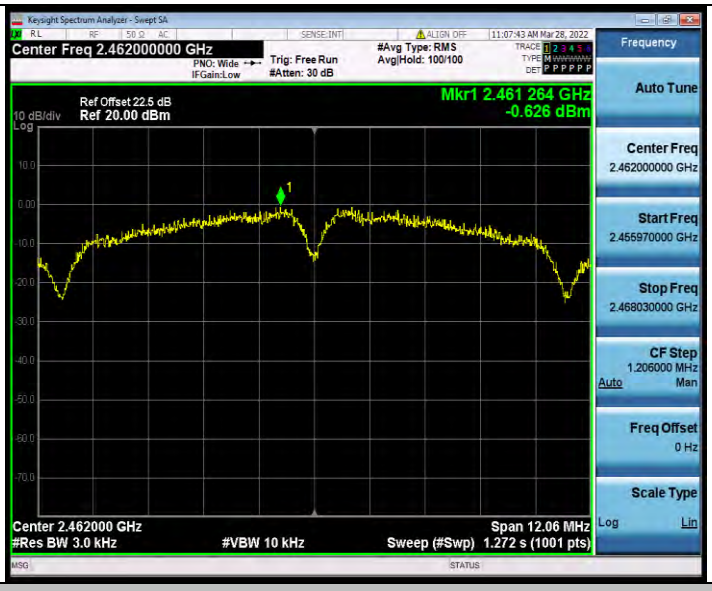
11B-CDD_Ant0_2412

11B-CDD_Ant1_2412

11B-CDD_Ant0_2437

11B-CDD_Ant1_2437

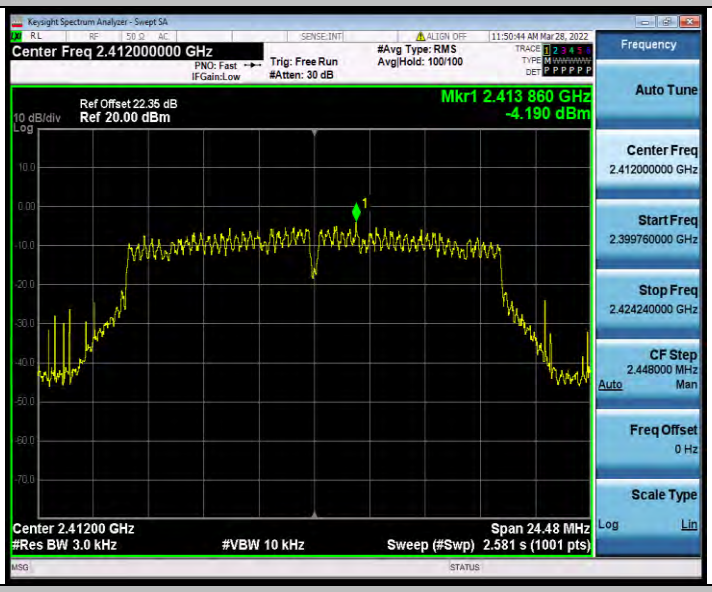
11B-CDD_Ant0_2462



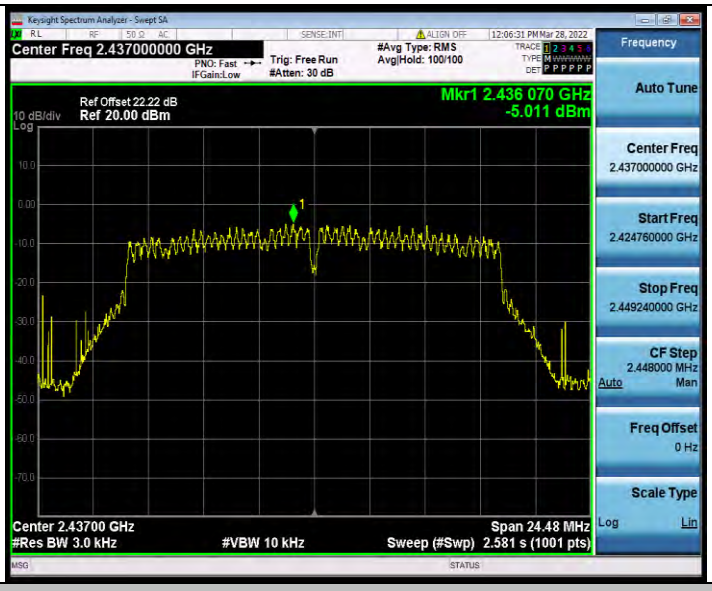
11B-CDD_Ant1_2462

11G-CDD_Ant0_2412

11G-CDD_Ant1_2412



11G-CDD_Ant0_2437

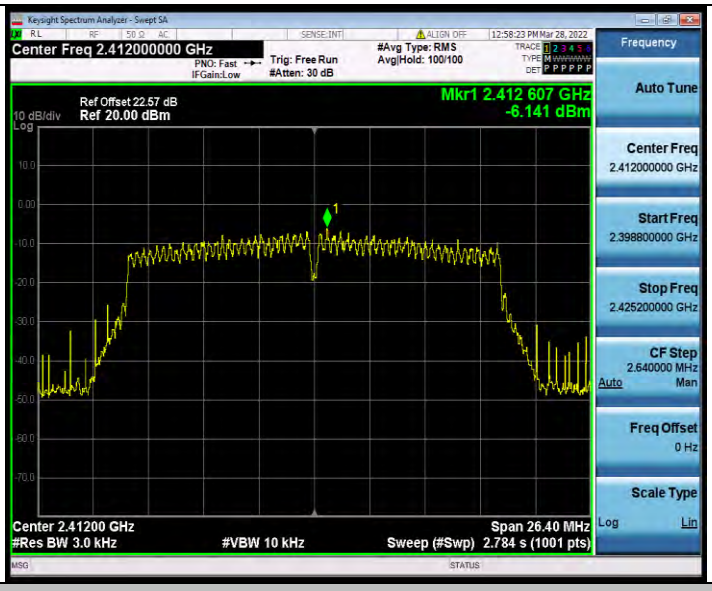


11G-CDD_Ant1_2437

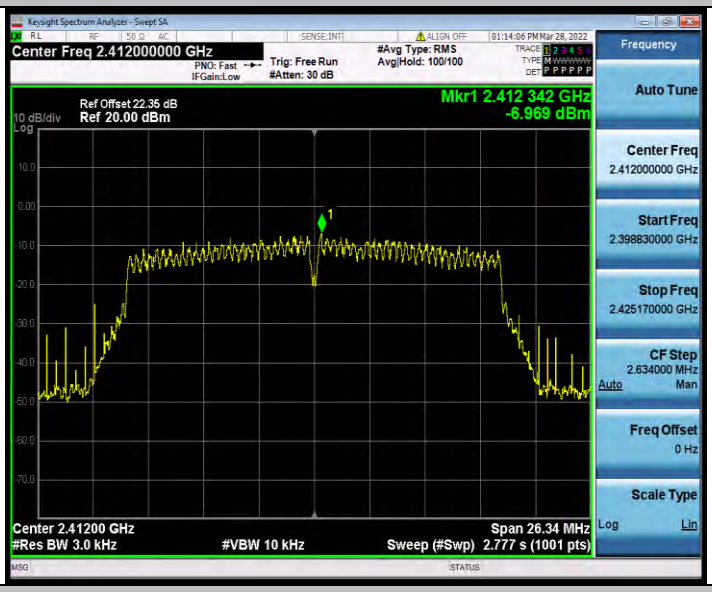
11G-CDD_Ant0_2462

11G-CDD_Ant1_2462

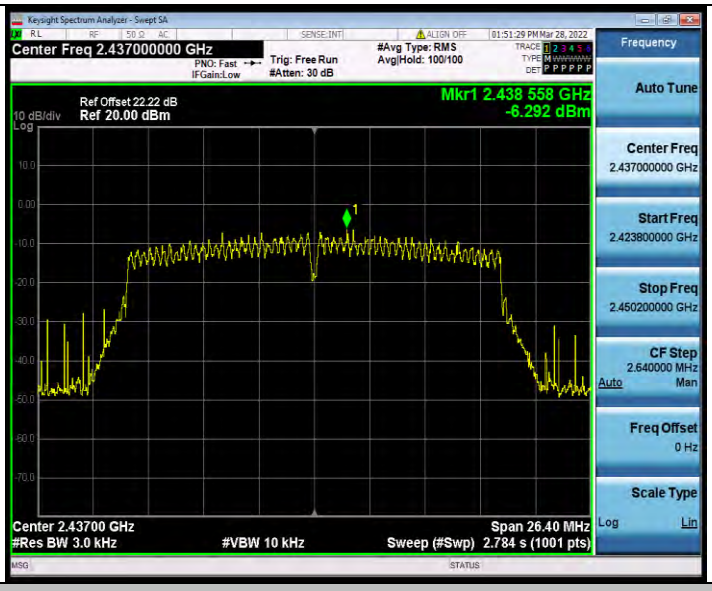
11N20MIMO_Ant0_2412



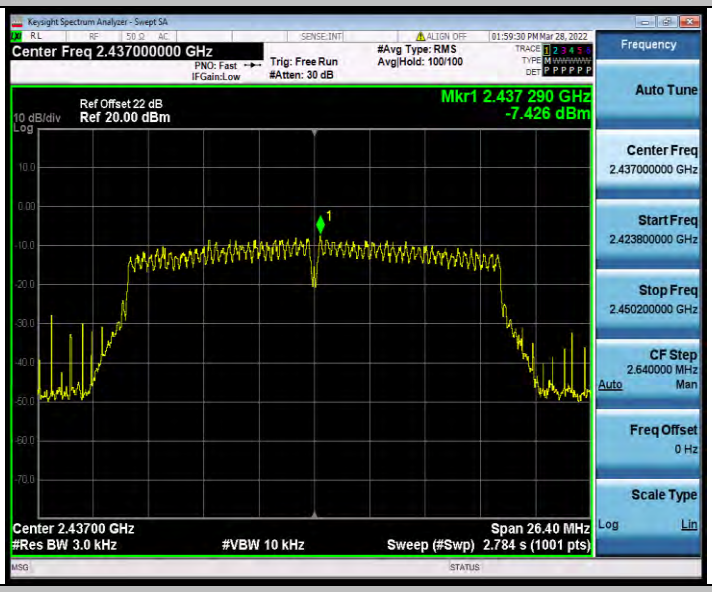
11N20MIMO_Ant1_2412



11N20MIMO_Ant0_2437



11N20MIMO_Ant1_2437

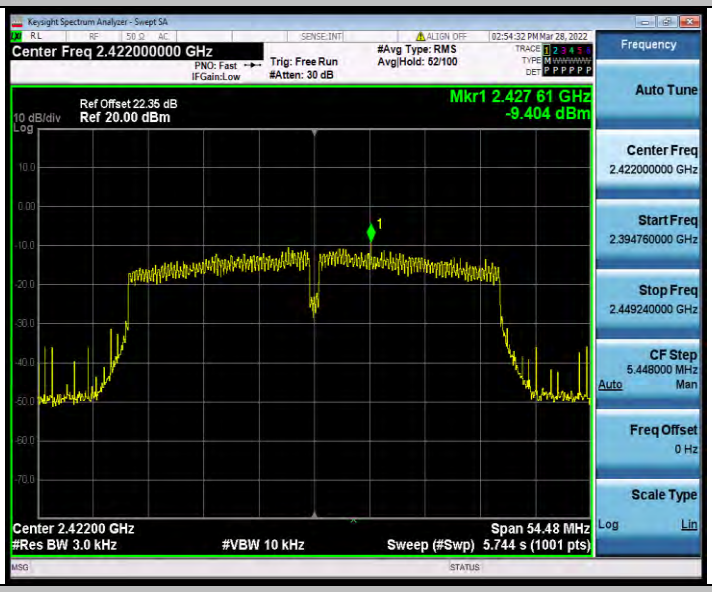


11N20MIMO_Ant0_2462

11N20MIMO_Ant1_2462

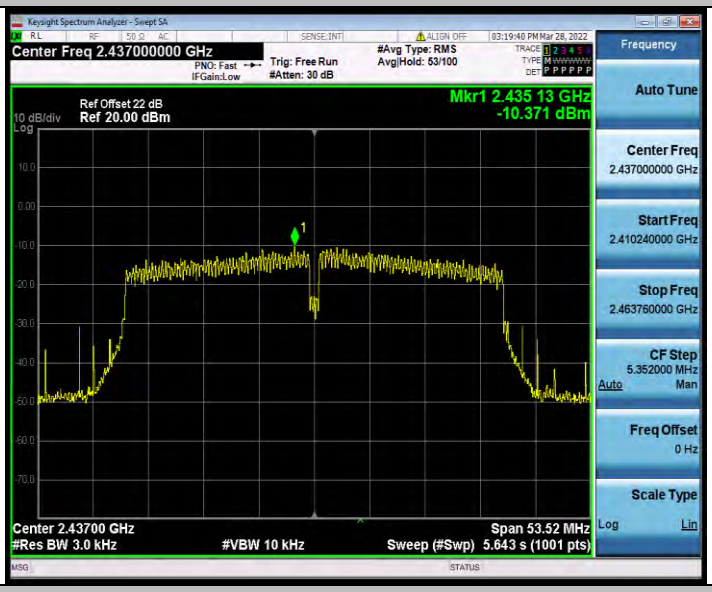
11N40MIMO_Ant0_2422

11N40MIMO_Ant1_2422



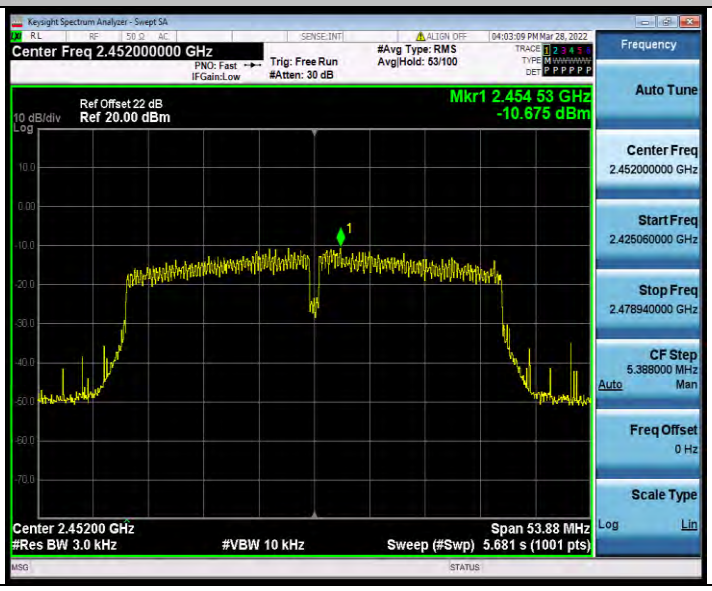
11N40MIMO_Ant0_2437

11N40MIMO_Ant1_2437



11N40MIMO_Ant0_2452

11N40MIMO_Ant1_2452



REFERENCE LEVEL MEASUREMENT

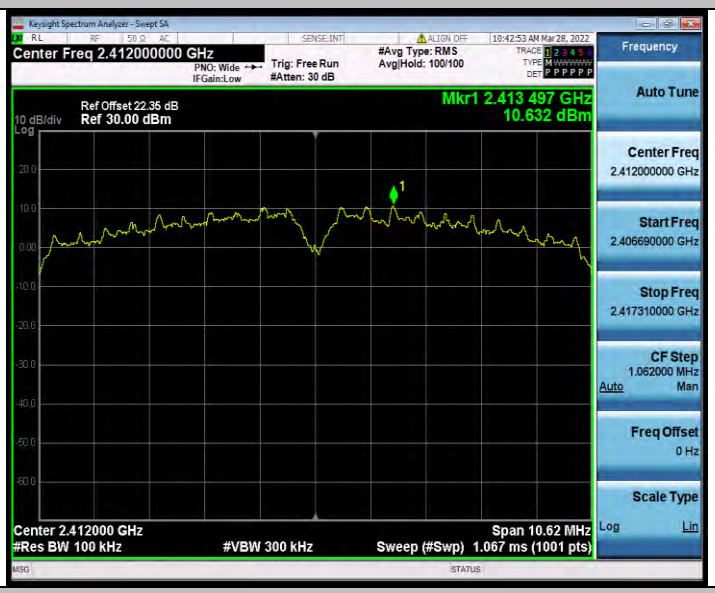
TEST RESULT

TestMode	Antenna	Freq (MHz)	Max.Point [MHz]	Result [dBm]
11B-CDD	Ant0	2412	2411.49	11.20
	Ant1	2412	2413.50	10.63
	Ant0	2437	2436.00	10.84
	Ant1	2437	2436.02	10.18
	Ant0	2462	2460.52	11.79
	Ant1	2462	2463.50	11.55
11G-CDD	Ant0	2412	2411.12	5.59
	Ant1	2412	2410.38	5.18
	Ant0	2437	2438.62	5.27
	Ant1	2437	2437.61	4.70
	Ant0	2462	2461.09	5.98
	Ant1	2462	2462.61	4.89
11N20MIMO	Ant0	2412	2412.63	3.50
	Ant1	2412	2412.63	3.57
	Ant0	2437	2435.50	3.04
	Ant1	2437	2436.37	2.97
	Ant0	2462	2462.90	3.72
	Ant1	2462	2462.63	4.82
11N40MIMO	Ant0	2422	2423.25	0.57
	Ant1	2422	2423.25	0.86
	Ant0	2437	2434.79	0.36
	Ant1	2437	2438.87	0.31
	Ant0	2452	2453.24	0.01
	Ant1	2452	2458.25	-0.20

TEST GRAPHS

11B-CDD_Ant0_2412

11B-CDD_Ant1_2412

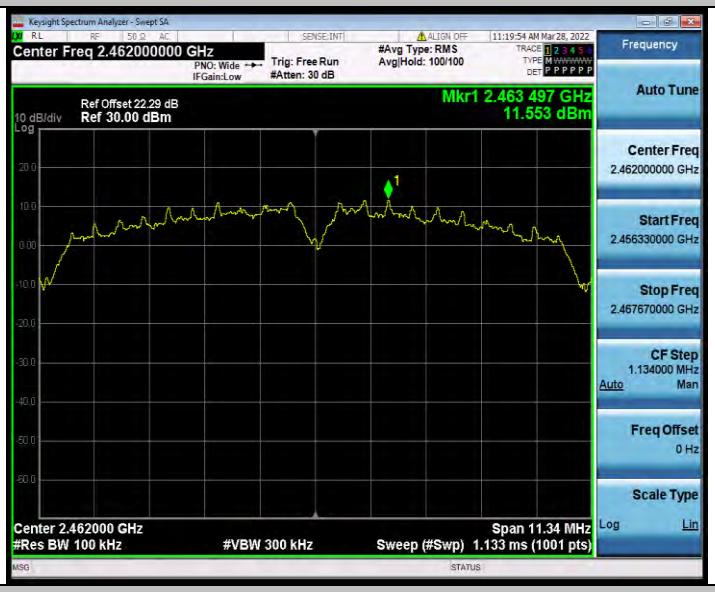


11B-CDD_Ant0_2437

11B-CDD_Ant1_2437

11B-CDD_Ant0_2462

11B-CDD_Ant1_2462

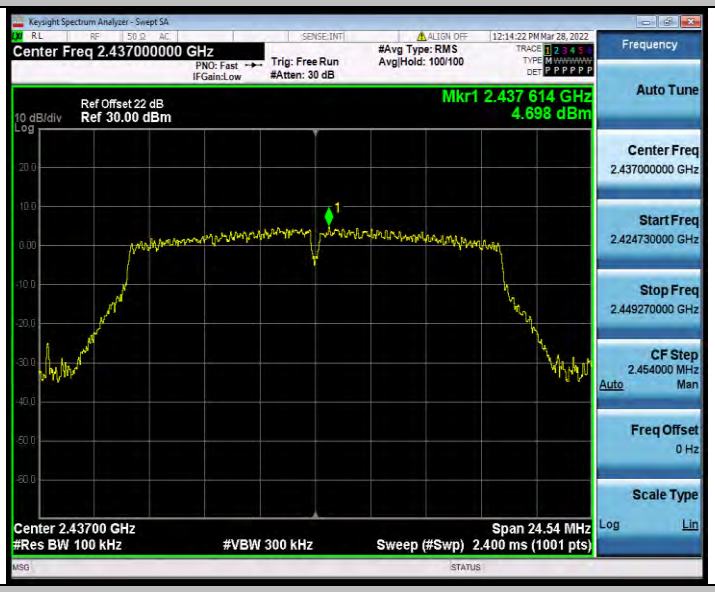


11G-CDD_Ant0_2412

11G-CDD_Ant1_2412

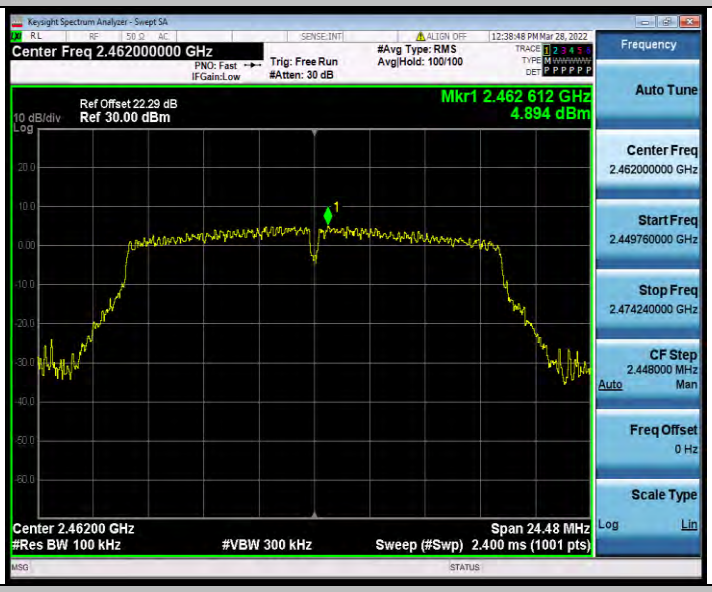
11G-CDD_Ant0_2437

11G-CDD_Ant1_2437



11G-CDD_Ant0_2462

11G-CDD_Ant1_2462



11N20MIMO_Ant0_2412

11N20MIMO_Ant1_2412

11N20MIMO_Ant0_2437

11N20MIMO_Ant1_2437

11N20MIMO_Ant0_2462

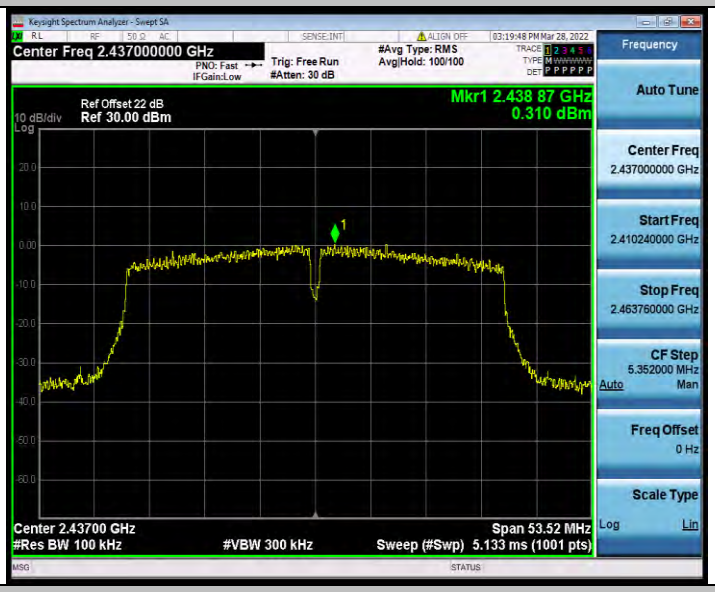
11N20MIMO_Ant1_2462

11N40MIMO_Ant0_2422

11N40MIMO_Ant1_2422

11N40MIMO_Ant0_2437

11N40MIMO_Ant1_2437



11N40MIMO_Ant0_2452

11N40MIMO_Ant1_2452

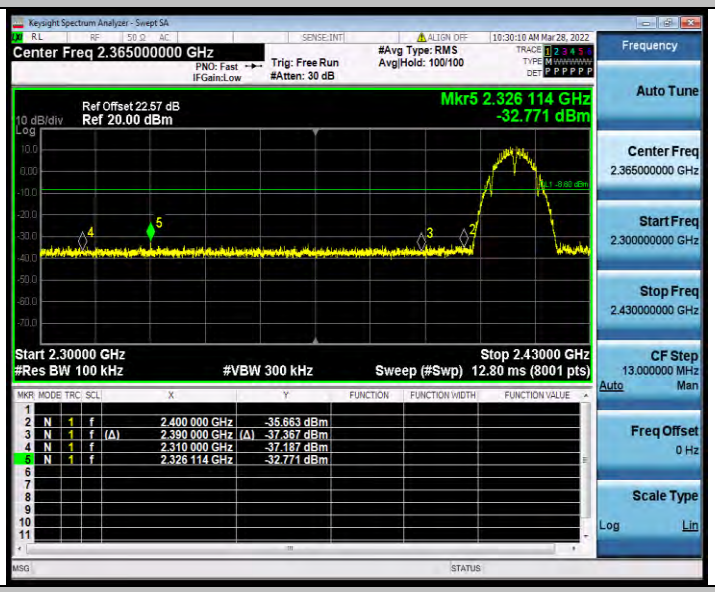
BAND EDGE MEASUREMENTS

TEST RESULT

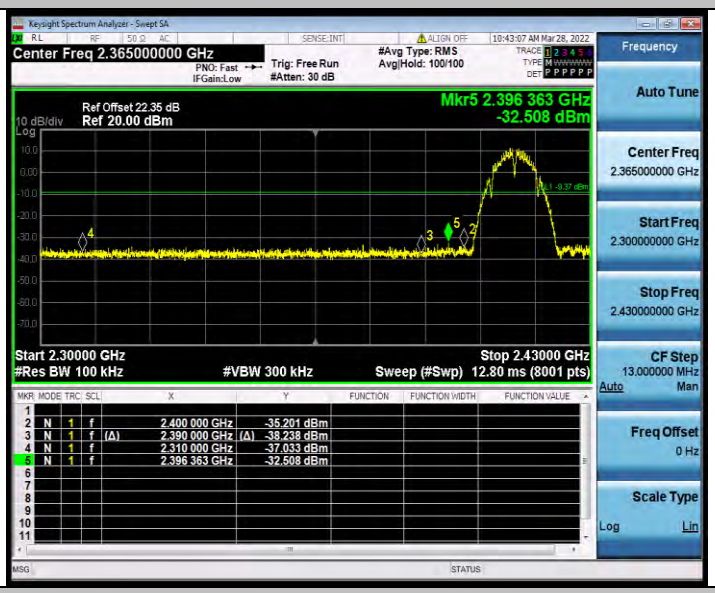
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B-CDD	Ant0	Low	2412	11.20	-32.77	≤-8.8	PASS
	Ant1	Low	2412	10.63	-32.51	≤-9.37	PASS
	Ant0	High	2462	11.79	-33.19	≤-8.21	PASS
	Ant1	High	2462	11.55	-33.05	≤-8.45	PASS
11G-CDD	Ant0	Low	2412	5.59	-25.88	≤-14.41	PASS
	Ant1	Low	2412	5.18	-23.9	≤-14.82	PASS
	Ant0	High	2462	5.98	-31.92	≤-14.02	PASS
	Ant1	High	2462	4.89	-32.7	≤-15.11	PASS
11N20MIMO	Ant0	Low	2412	3.50	-32.18	≤-16.5	PASS
	Ant1	Low	2412	3.57	-28.16	≤-16.43	PASS
	Ant0	High	2462	3.72	-33.19	≤-16.28	PASS
	Ant1	High	2462	4.82	-33.22	≤-15.18	PASS
11N40MIMO	Ant0	Low	2422	0.57	-31.8	≤-19.43	PASS
	Ant1	Low	2422	0.86	-31.01	≤-19.14	PASS
	Ant0	High	2452	0.01	-33.43	≤-19.99	PASS
	Ant1	High	2452	-0.20	-33.25	≤-20.2	PASS

TEST GRAPHS

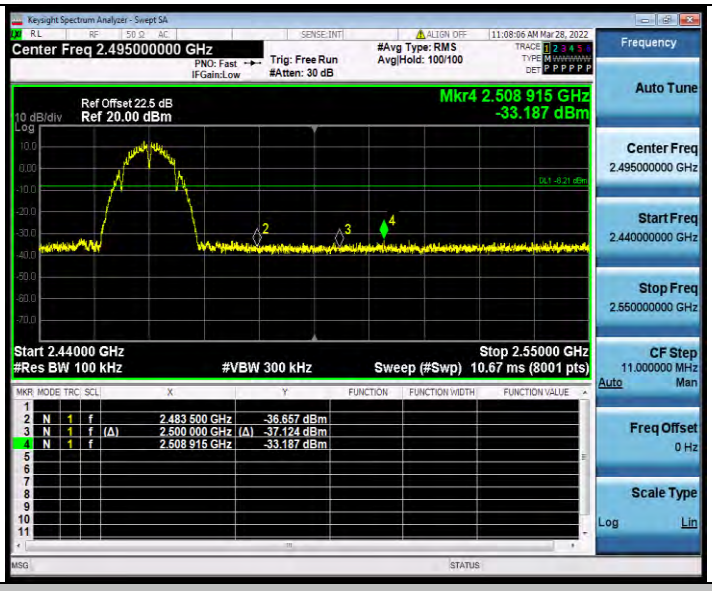
11B-CDD_Ant0_Low_2412



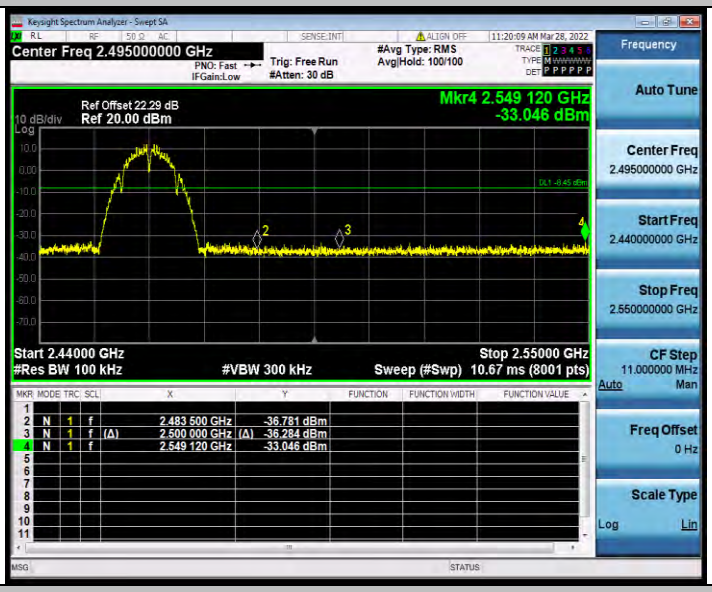
11B-CDD_Ant1_Low_2412



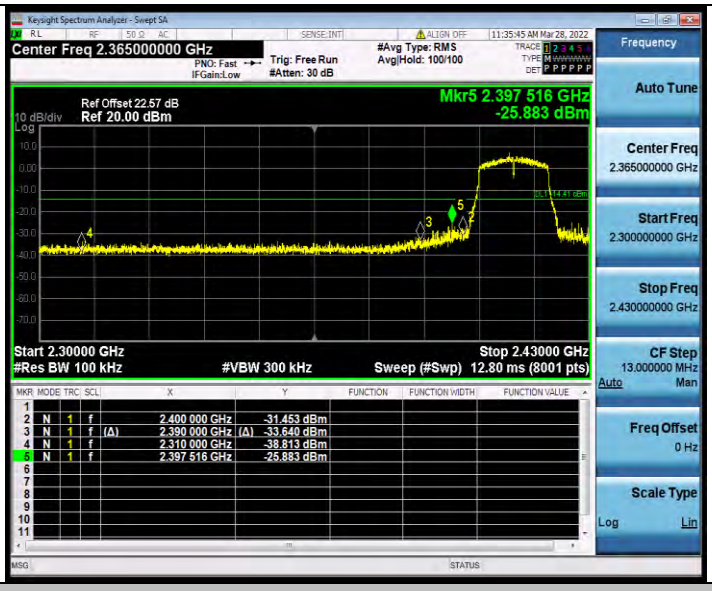
11B-CDD_Ant0_High_2462



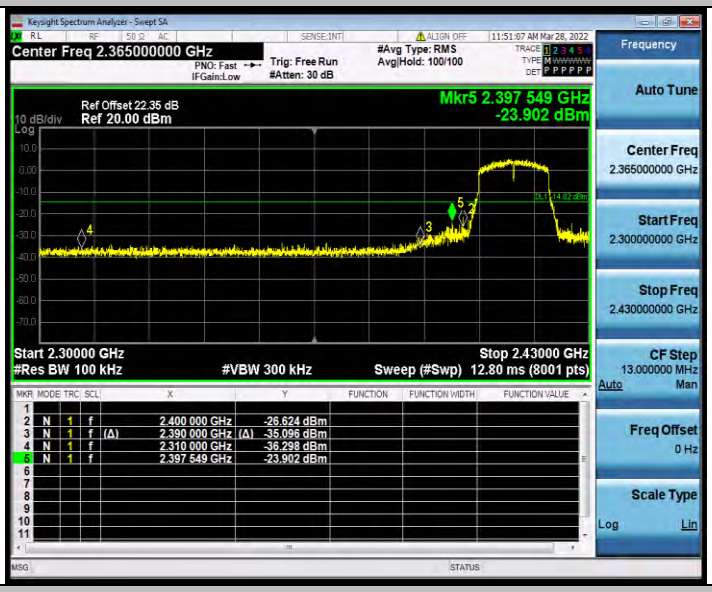
11B-CDD_Ant1_High_2462



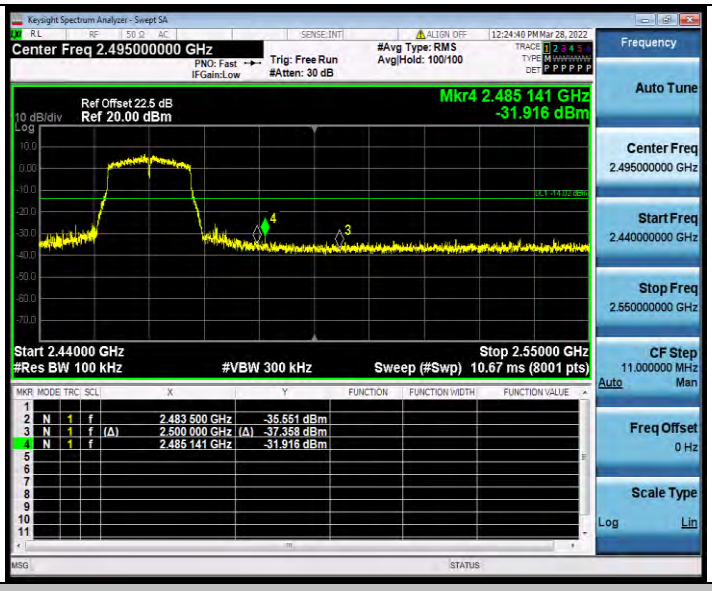
11G-CDD_Ant0_Low_2412



11G-CDD_Ant1_Low_2412

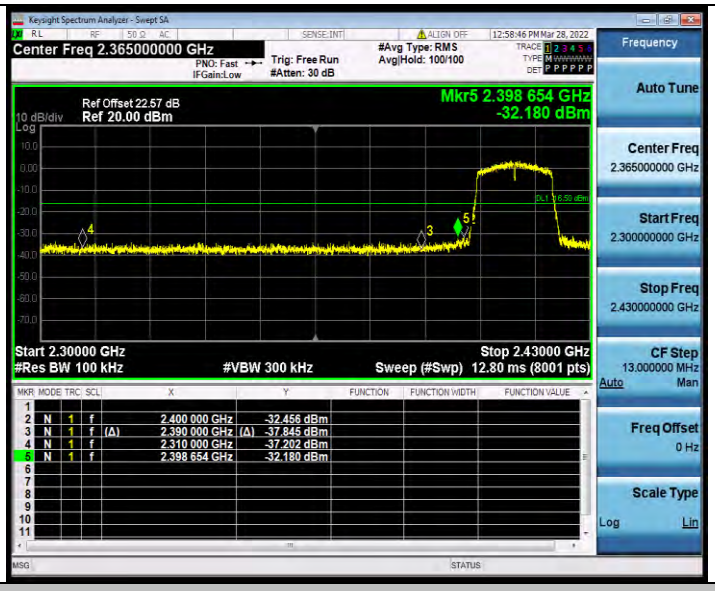


11G-CDD_Ant0_High_2462

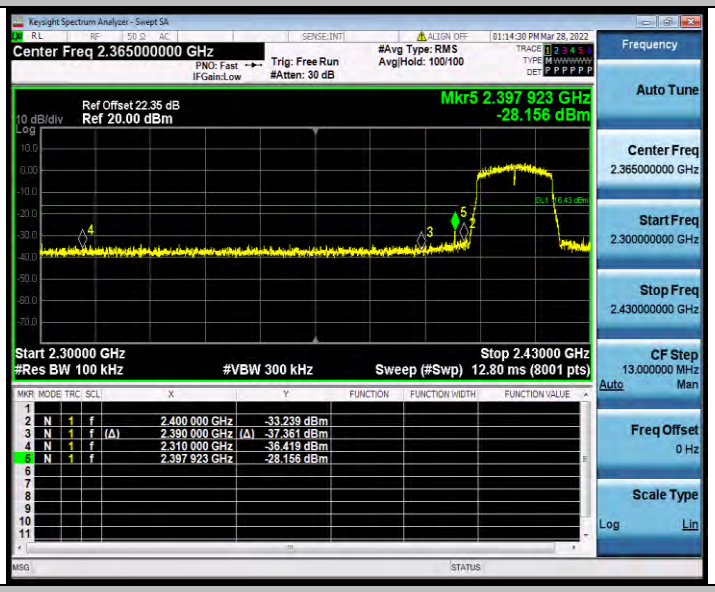


11G-CDD_Ant1_High_2462

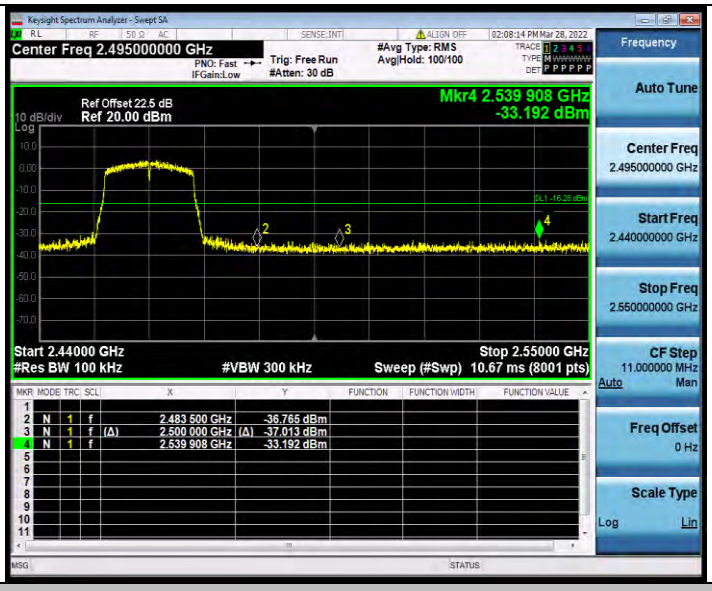
11N20MIMO_Ant0_Low_2412



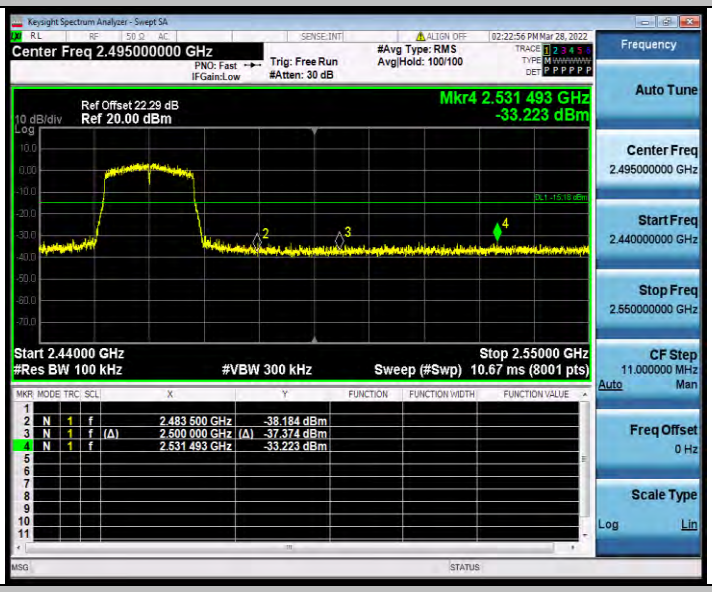
11N20MIMO_Ant1_Low_2412



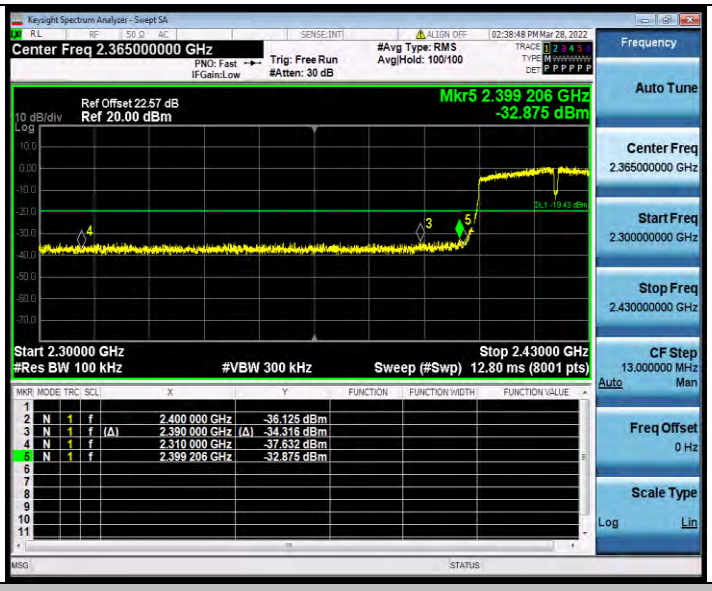
11N20MIMO_Ant0_High_2462



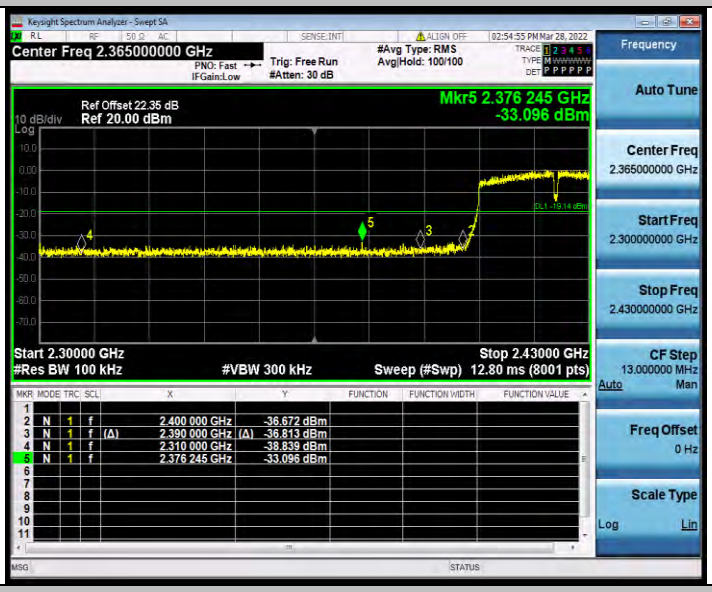
11N20MIMO_Ant1_High_2462



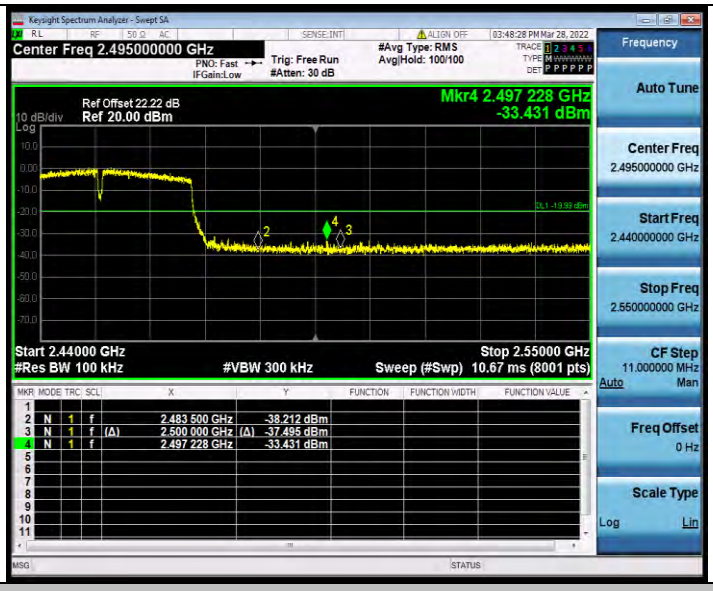
11N40MIMO_Ant0_Low_2422



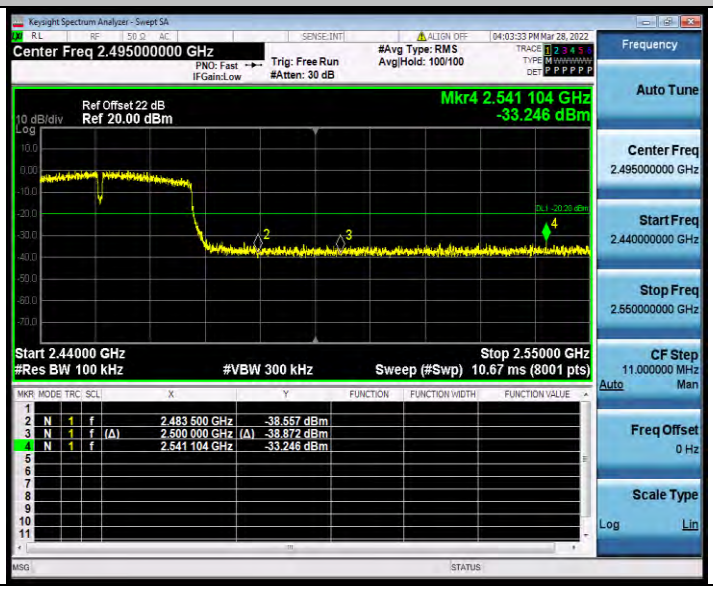
11N40MIMO_Ant1_Low_2422



11N40MIMO_Ant0_High_2452



11N40MIMO_Ant1_High_2452



CONDUCTED SPURIOUS EMISSION

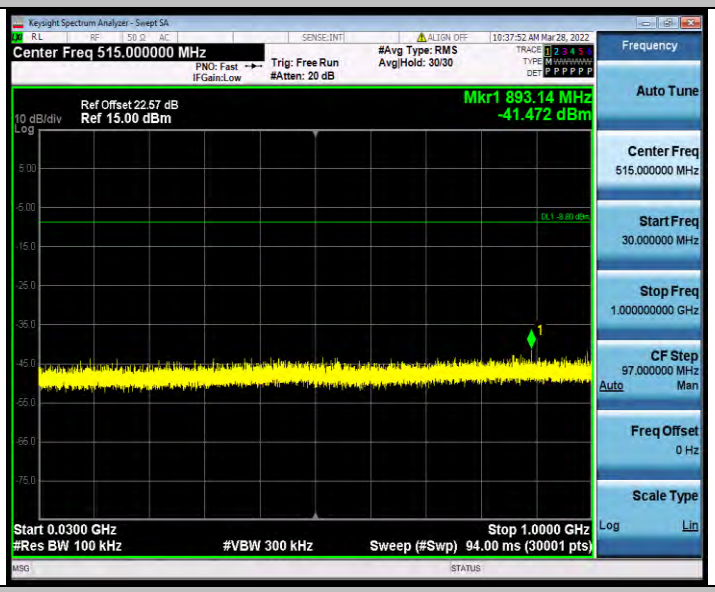
TEST RESULT

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B-CDD	Ant0	2412	30~1000	11.20	-41.47	≤-8.8	PASS
			1000~26500	11.20	-26.31	≤-8.8	PASS
	Ant1	2412	30~1000	10.63	-42.23	≤-9.37	PASS
			1000~26500	10.63	-26.46	≤-9.37	PASS
	Ant0	2437	30~1000	10.84	-42.27	≤-9.16	PASS
			1000~26500	10.84	-26.51	≤-9.16	PASS
	Ant1	2437	30~1000	10.18	-42.69	≤-9.82	PASS
			1000~26500	10.18	-26.95	≤-9.82	PASS
	Ant0	2462	30~1000	11.79	-42.27	≤-8.21	PASS
			1000~26500	11.79	-26.51	≤-8.21	PASS
	Ant1	2462	30~1000	11.55	-42.37	≤-8.45	PASS
			1000~26500	11.55	-27.22	≤-8.45	PASS
11G-CDD	Ant0	2412	30~1000	5.59	-42.65	≤-14.41	PASS

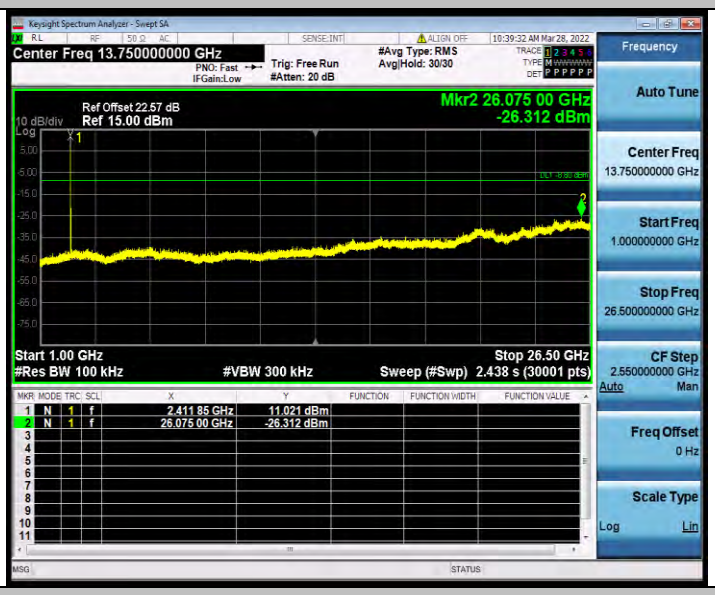
			1000~26500	5.59	-26.46	≤-14.41	PASS
	Ant1	2412	30~1000	5.18	-42.7	≤-14.82	PASS
			1000~26500	5.18	-26.63	≤-14.82	PASS
	Ant0	2437	30~1000	5.27	-41.37	≤-14.73	PASS
			1000~26500	5.27	-26.81	≤-14.73	PASS
	Ant1	2437	30~1000	4.70	-42.43	≤-15.3	PASS
			1000~26500	4.70	-27.05	≤-15.3	PASS
	Ant0	2462	30~1000	5.98	-42.77	≤-14.02	PASS
			1000~26500	5.98	-26.05	≤-14.02	PASS
	Ant1	2462	30~1000	4.89	-42.31	≤-15.11	PASS
			1000~26500	4.89	-27.04	≤-15.11	PASS
11N20MIMO	Ant0	2412	30~1000	3.50	-42.6	≤-16.5	PASS
			1000~26500	3.50	-26.51	≤-16.5	PASS
	Ant1	2412	30~1000	3.57	-42.21	≤-16.43	PASS
			1000~26500	3.57	-26.8	≤-16.43	PASS
	Ant0	2437	30~1000	3.04	-42.66	≤-16.96	PASS
			1000~26500	3.04	-26.16	≤-16.96	PASS
	Ant1	2437	30~1000	2.97	-43.07	≤-17.03	PASS
			1000~26500	2.97	-26.64	≤-17.03	PASS
	Ant0	2462	30~1000	3.72	-42.06	≤-16.28	PASS
			1000~26500	3.72	-26.29	≤-16.28	PASS
	Ant1	2462	30~1000	4.82	-42.33	≤-15.18	PASS
			1000~26500	4.82	-26.69	≤-15.18	PASS
11N40MIMO	Ant0	2422	30~1000	0.57	-42.39	≤-19.43	PASS
			1000~26500	0.57	-26.52	≤-19.43	PASS
	Ant1	2422	30~1000	0.86	-43.27	≤-19.14	PASS
			1000~26500	0.86	-26.88	≤-19.14	PASS
	Ant0	2437	30~1000	0.36	-42.73	≤-19.64	PASS
			1000~26500	0.36	-26.93	≤-19.64	PASS
	Ant1	2437	30~1000	0.31	-43.22	≤-19.69	PASS
			1000~26500	0.31	-27.18	≤-19.69	PASS
	Ant0	2452	30~1000	0.01	-42.65	≤-19.99	PASS
			1000~26500	0.01	-26.03	≤-19.99	PASS
	Ant1	2452	30~1000	-0.20	-42.1	≤-20.2	PASS
			1000~26500	-0.20	-27.03	≤-20.2	PASS

TEST GRAPHS

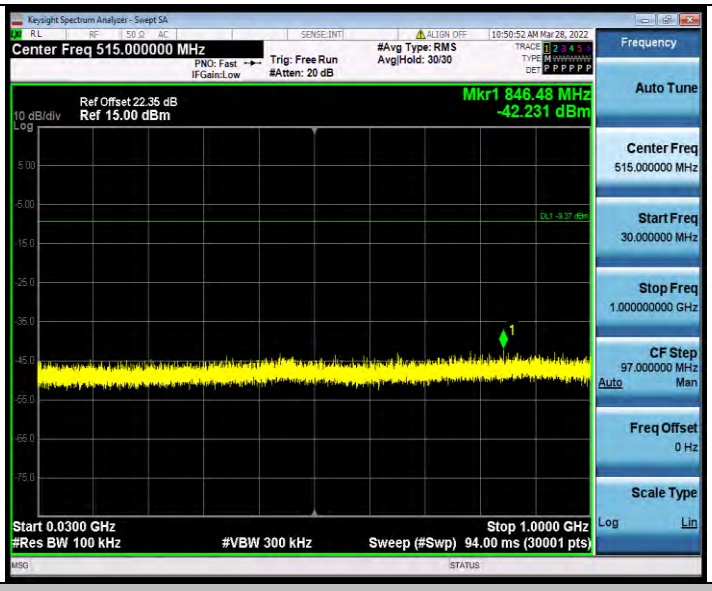
11B-CDD_Ant0_2412_30~1000



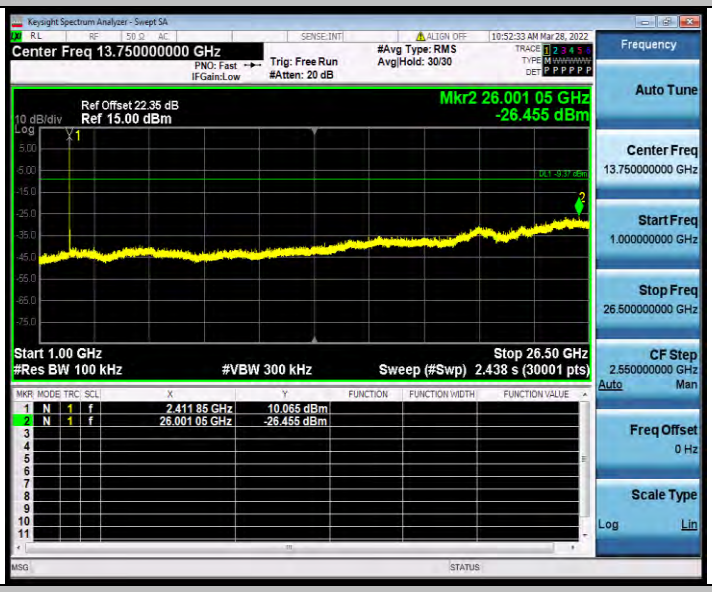
11B-CDD_Ant0_2412_1000~26500



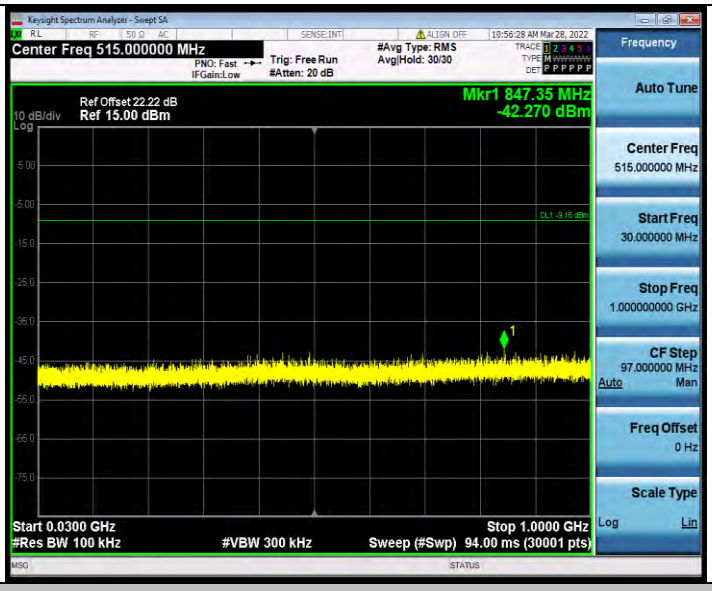
11B-CDD_Ant1_2412_30~1000



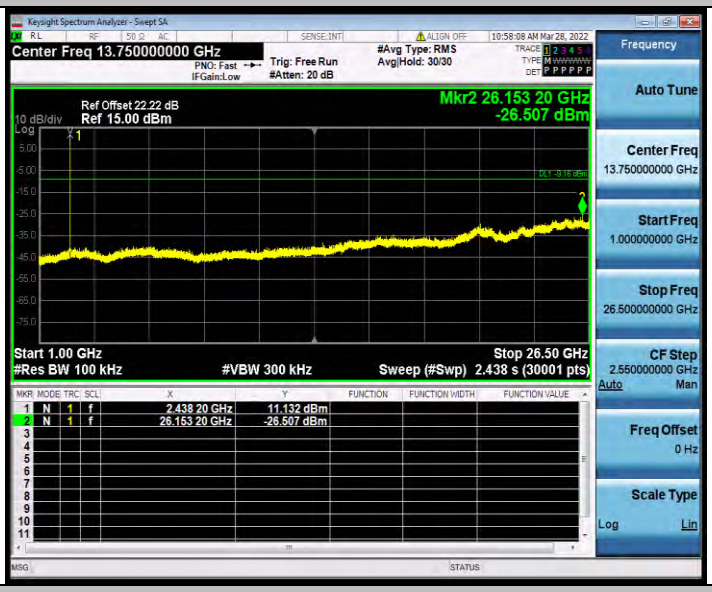
11B-CDD_Ant1_2412_1000~26500



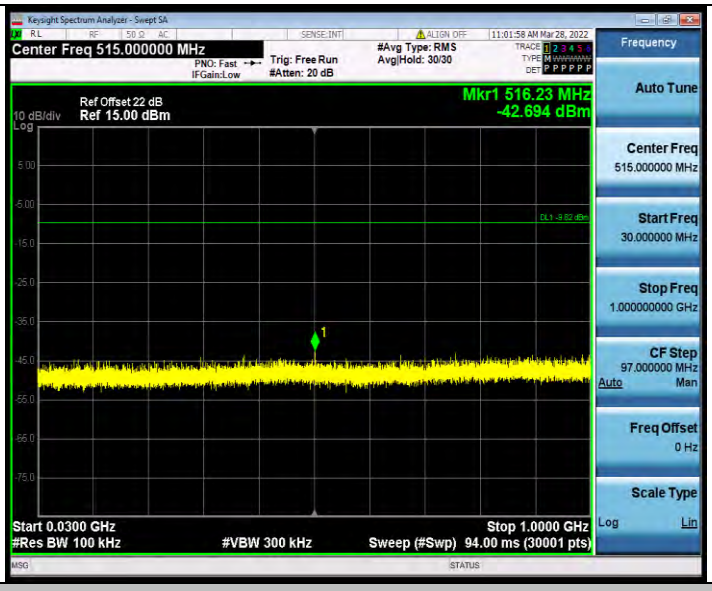
11B-CDD_Ant0_2437_30~1000



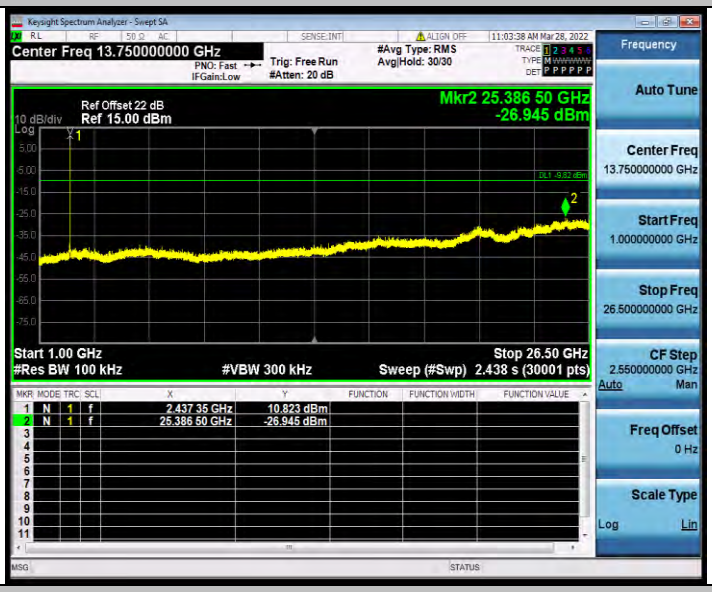
11B-CDD_Ant0_2437_1000~26500



11B-CDD_Ant1_2437_30~1000



11B-CDD_Ant1_2437_1000~26500



11B-CDD_Ant0_2462_30~1000