



BLE 500K Ant6 2480



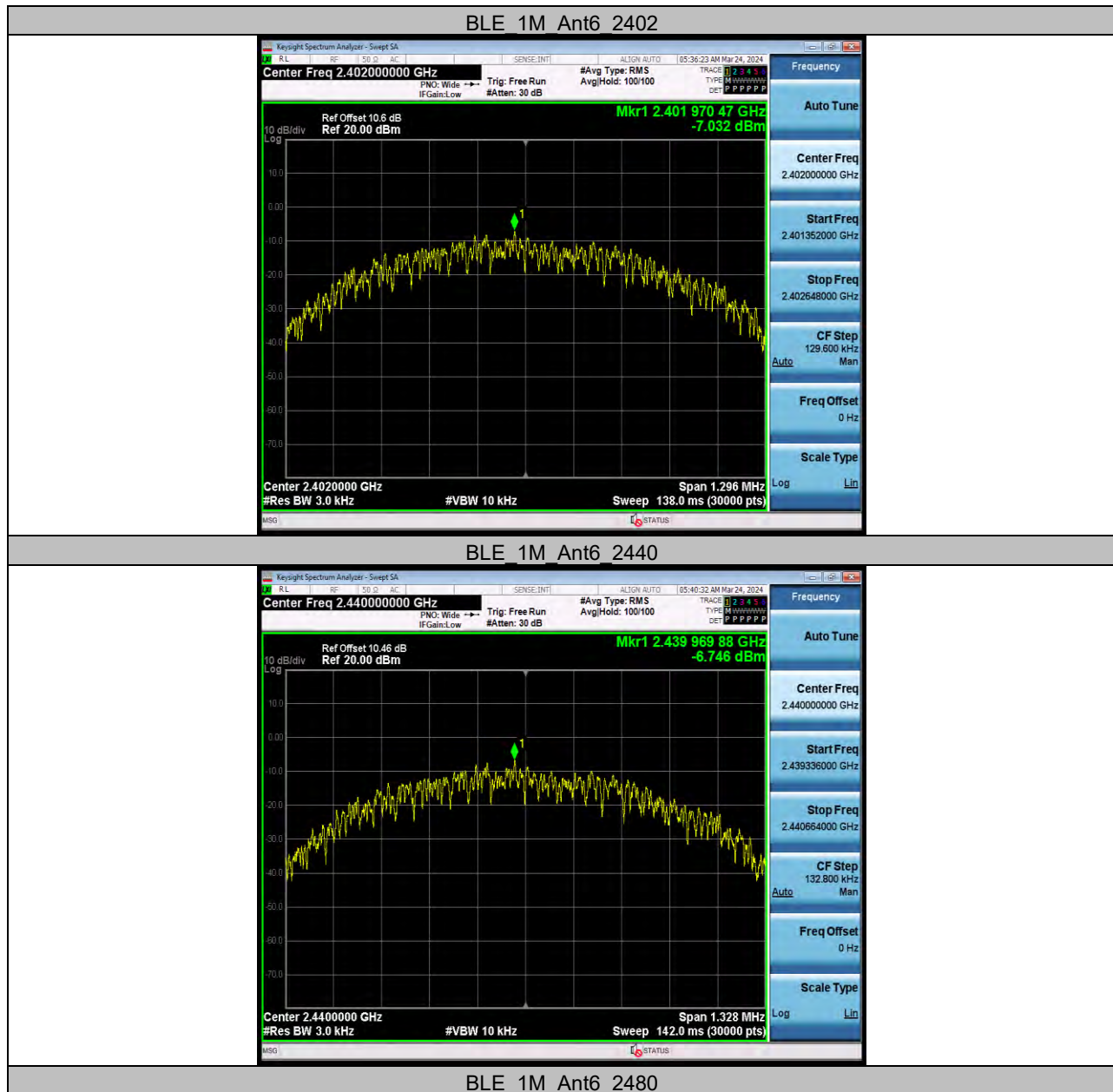
MAXIMUM CONDUCTED OUTPUT POWER TEST RESULT

TestMode	Antenna	Channel	Average power [dBm]	Peak power [dBm]	Peak power [mw]	Conducted Limit [dBm]	EIRP [dBm]	EIRP [mw]	EIRP Limit [dBm]	Verdict	Power Setting
BLE_1M	Ant6	2402	7.93	8.12	6.49	≤30	9.36	8.63	≤36	PASS	Default
		2440	8.68	9.08	8.09	≤30	10.32	10.76	≤36	PASS	Default
		2480	8.02	8.23	6.65	≤30	9.47	8.85	≤36	PASS	Default
BLE_2M	Ant6	2404	7.53	8.4	6.92	≤30	9.64	9.20	≤36	PASS	Default
		2440	8.75	9.31	8.53	≤30	10.55	11.35	≤36	PASS	Default
		2478	7.61	8.43	6.97	≤30	9.67	9.27	≤36	PASS	Default
BLE_125k	Ant6	2402	6.65	8.13	6.50	≤30	9.37	8.65	≤36	PASS	Default
		2440	8.62	8.83	7.64	≤30	10.07	10.16	≤36	PASS	Default
		2480	7.96	8.25	6.68	≤30	9.49	8.89	≤36	PASS	Default
BLE_500K	Ant6	2402	7.97	8.14	6.52	≤30	9.38	8.67	≤36	PASS	Default
		2440	8.57	8.89	7.74	≤30	10.13	10.30	≤36	PASS	Default
		2480	8.39	8.25	6.68	≤30	9.49	8.89	≤36	PASS	Default
Note:EIRP=Peak Power+Gain											

MAXIMUM POWER SPECTRAL DENSITY TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant6	2402	-7.03	≤8.00	PASS
		2440	-6.75	≤8.00	PASS
		2480	-7.00	≤8.00	PASS
BLE_2M	Ant6	2404	-10.02	≤8.00	PASS
		2440	-9.67	≤8.00	PASS
		2478	-9.64	≤8.00	PASS
BLE_125K	Ant6	2402	1.34	≤8.00	PASS
		2440	1.53	≤8.00	PASS
		2480	1.52	≤8.00	PASS
BLE_500K	Ant6	2402	1.23	≤8.00	PASS
		2440	1.41	≤8.00	PASS
		2480	1.43	≤8.00	PASS

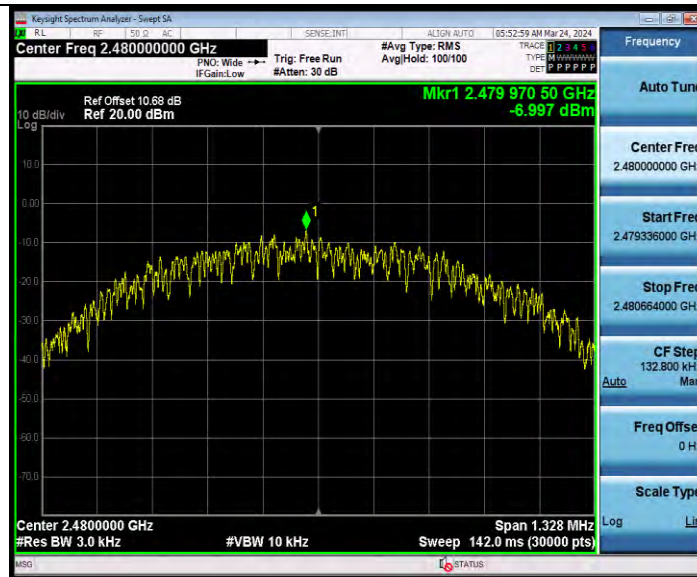
TEST GRAPHS



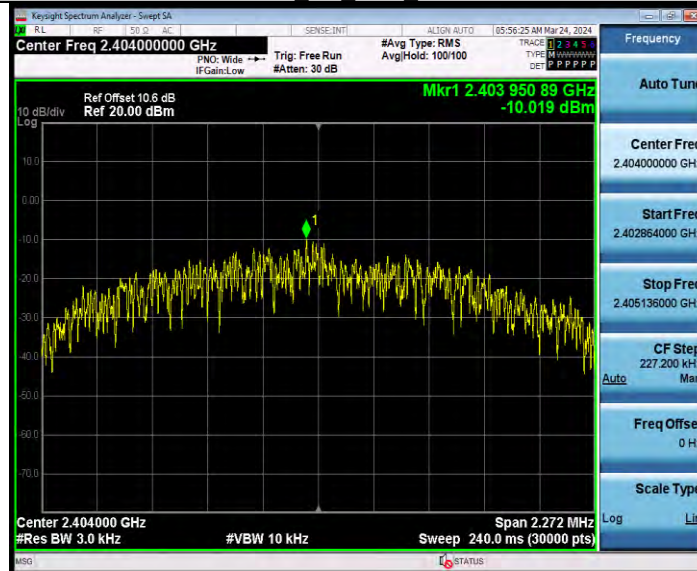


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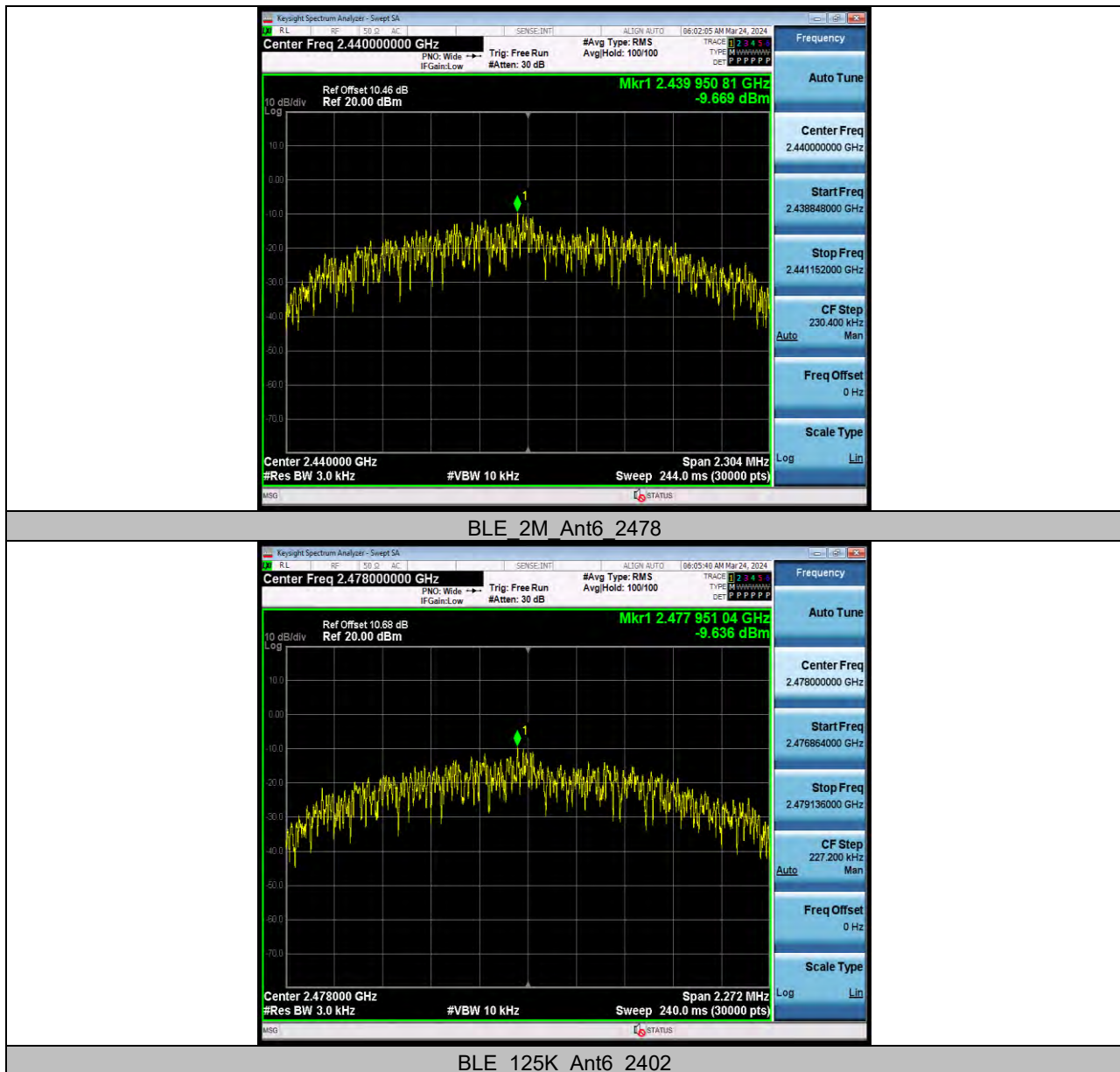
Reference No.: W7L-231218W001RF02



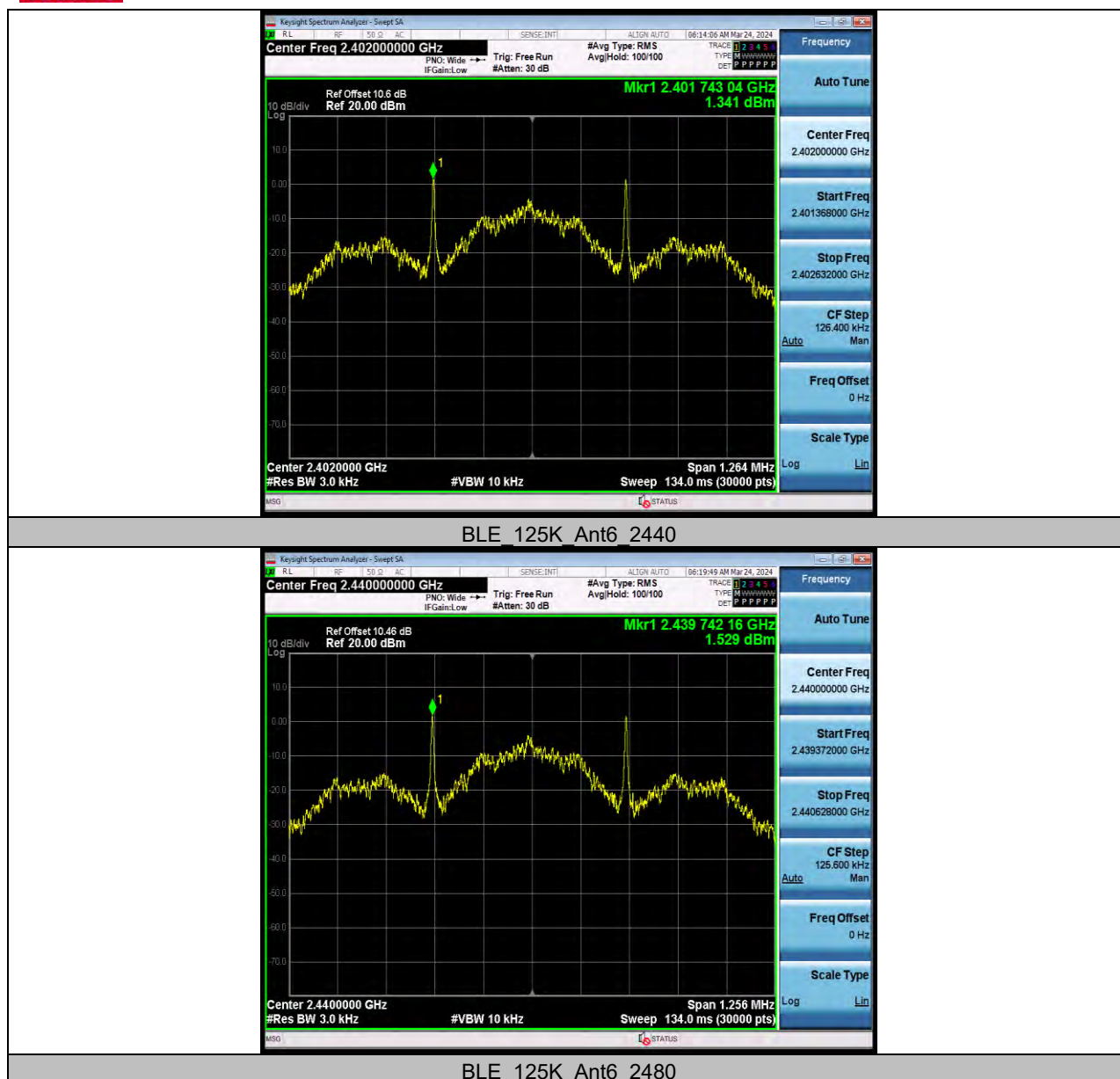
BLE 2M Ant6 2404



BLE 2M Ant6 2440



Reference No.: W7L-231218W001RF02



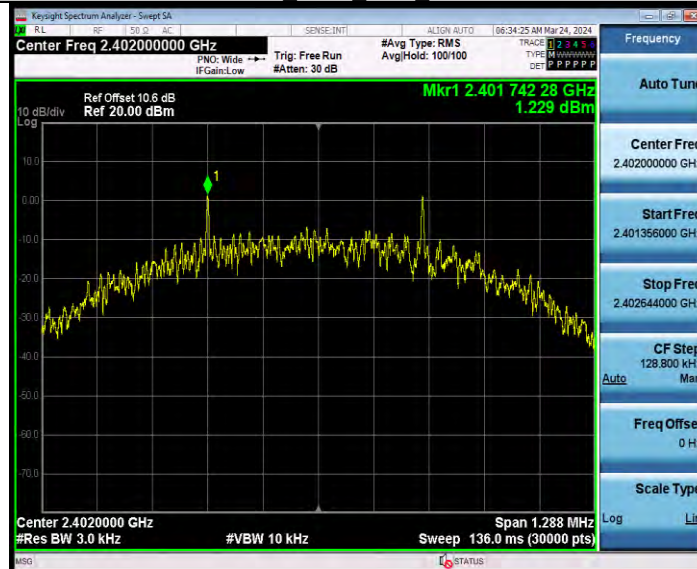


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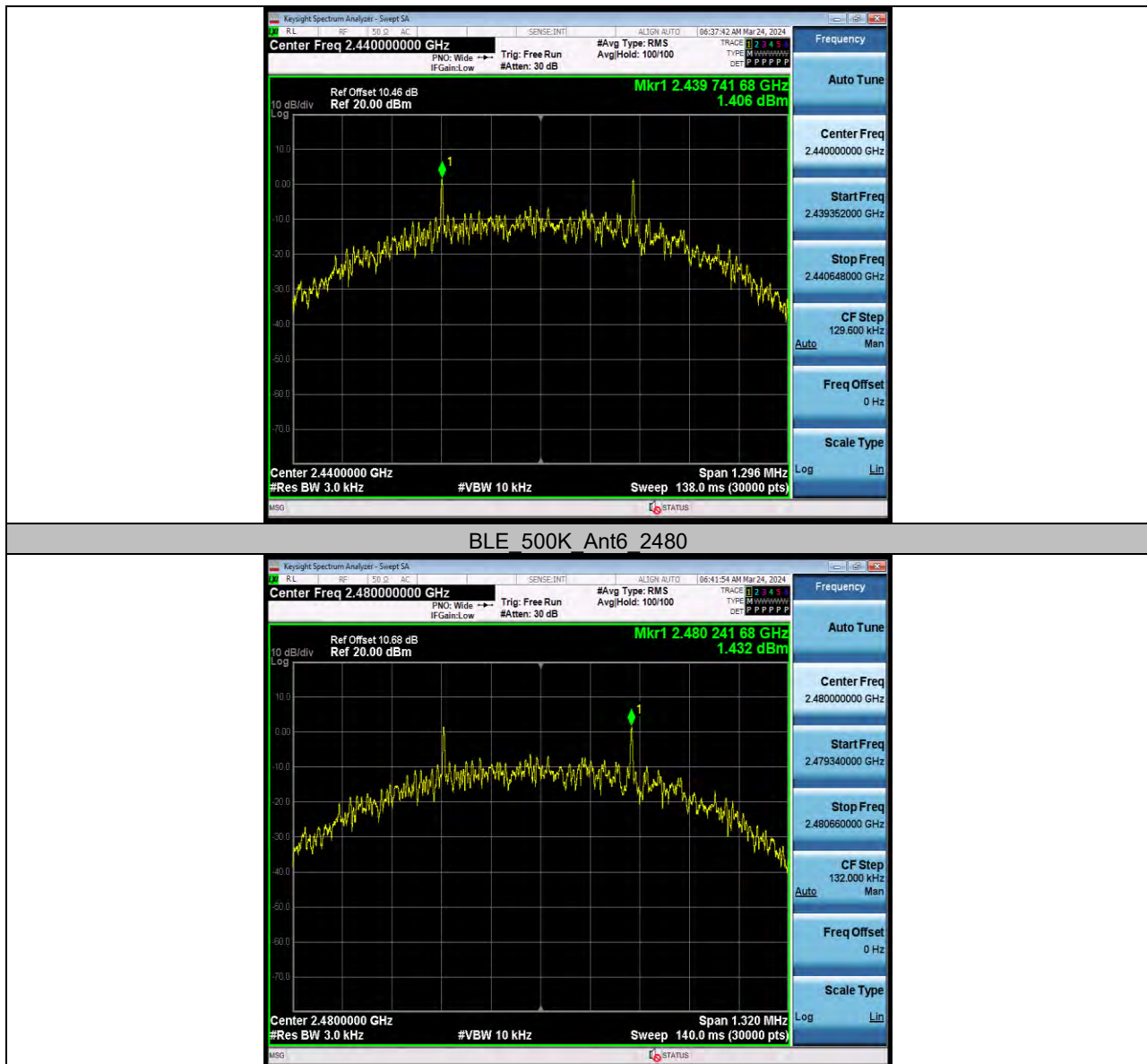
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BLE 500K_Ant6_2402



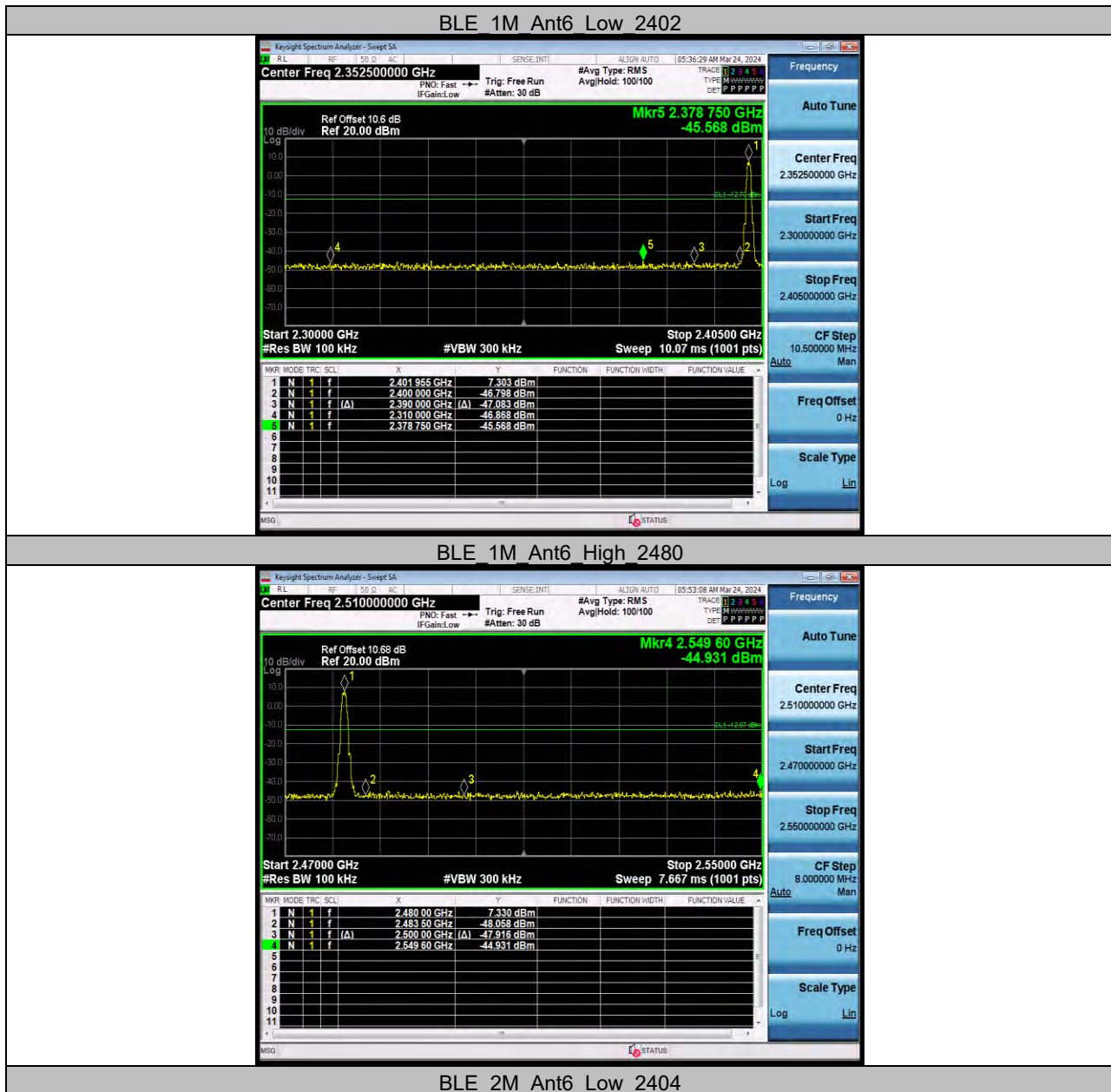
BLE 500K_Ant6_2440

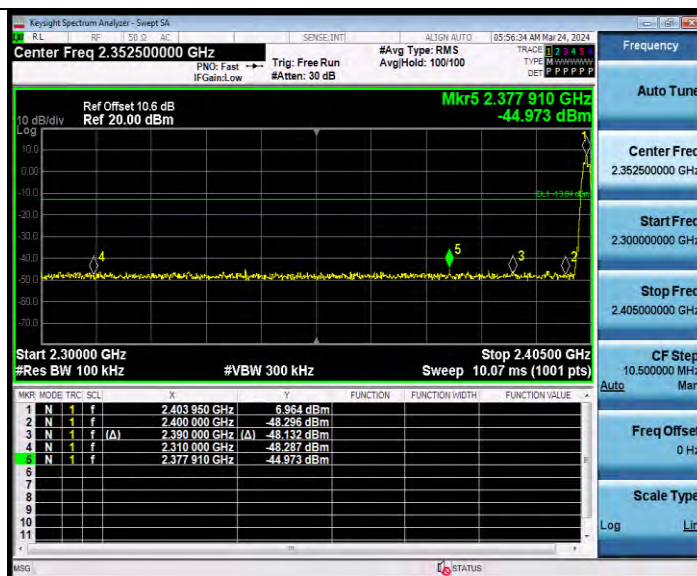


BAND EDGE MEASUREMENTS TEST RESULT

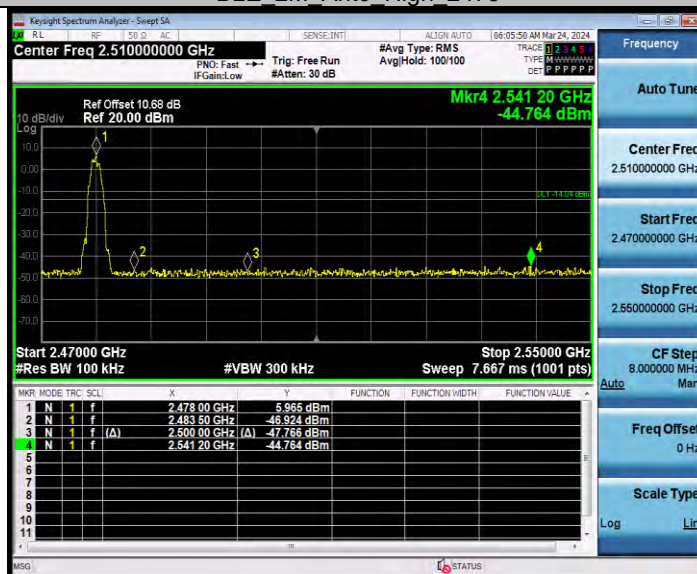
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant6	Low	2402	7.30	-45.57	≤-12.7	PASS
		High	2480	7.33	-44.93	≤-12.67	PASS
BLE_2M	Ant6	Low	2404	6.96	-44.97	≤-13.04	PASS
		High	2478	5.97	-44.76	≤-14.04	PASS
BLE_125K	Ant6	Low	2402	4.66	-44.9	≤-15.34	PASS
		High	2480	4.17	-45	≤-15.83	PASS
BLE_500K	Ant6	Low	2402	7.01	-45.42	≤-12.99	PASS
		High	2480	7.52	-44.09	≤-12.48	PASS

TEST GRAPHS

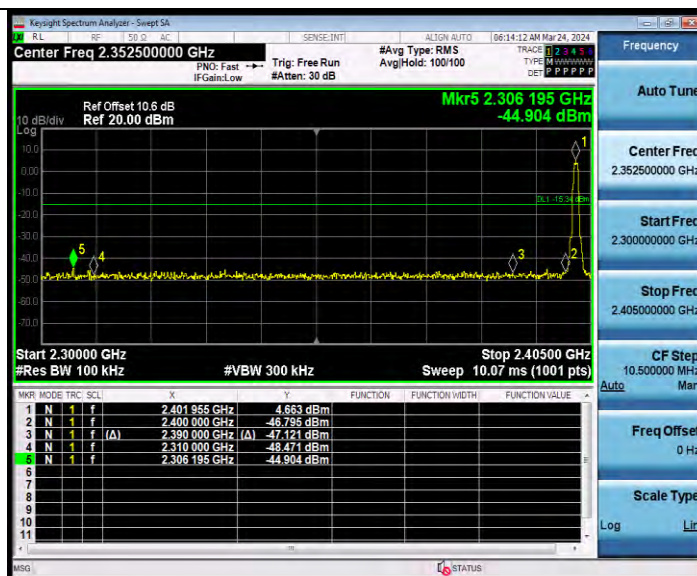




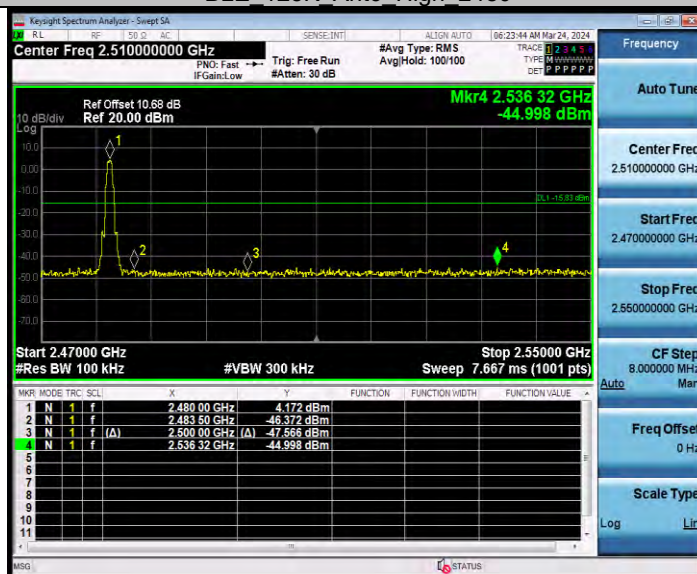
BLE 2M Ant6 High 2478



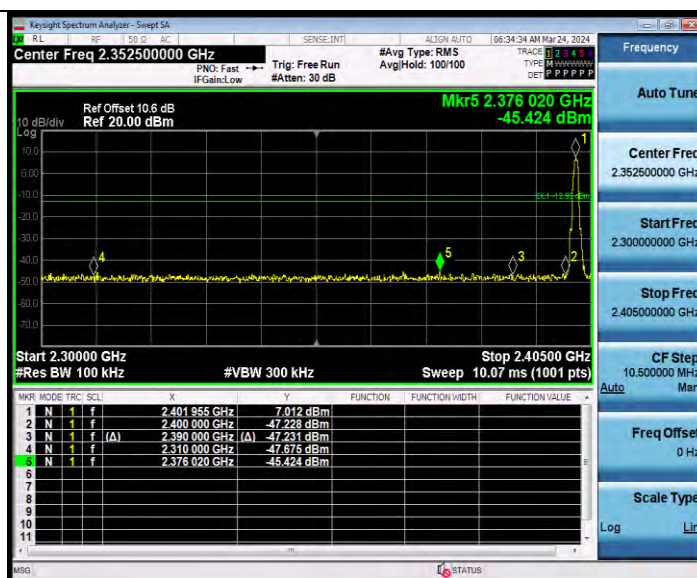
BLE 125K Ant6 Low 2402



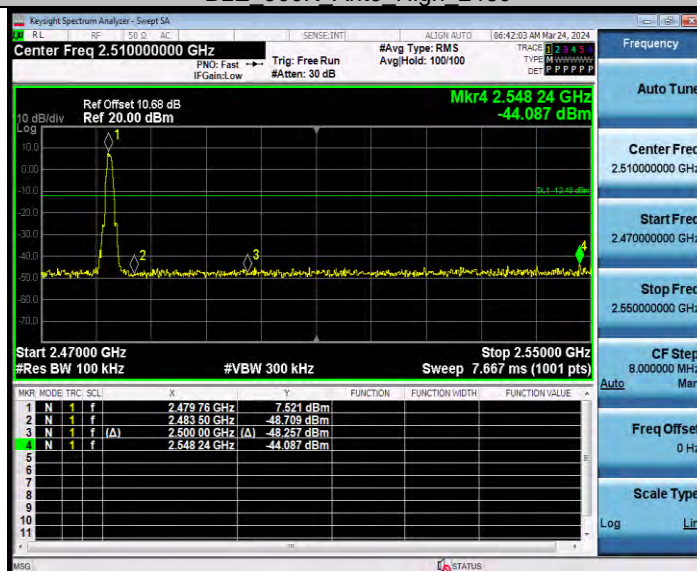
BLE 125K Ant6 High 2480



BLE 500K Ant6 Low 2402



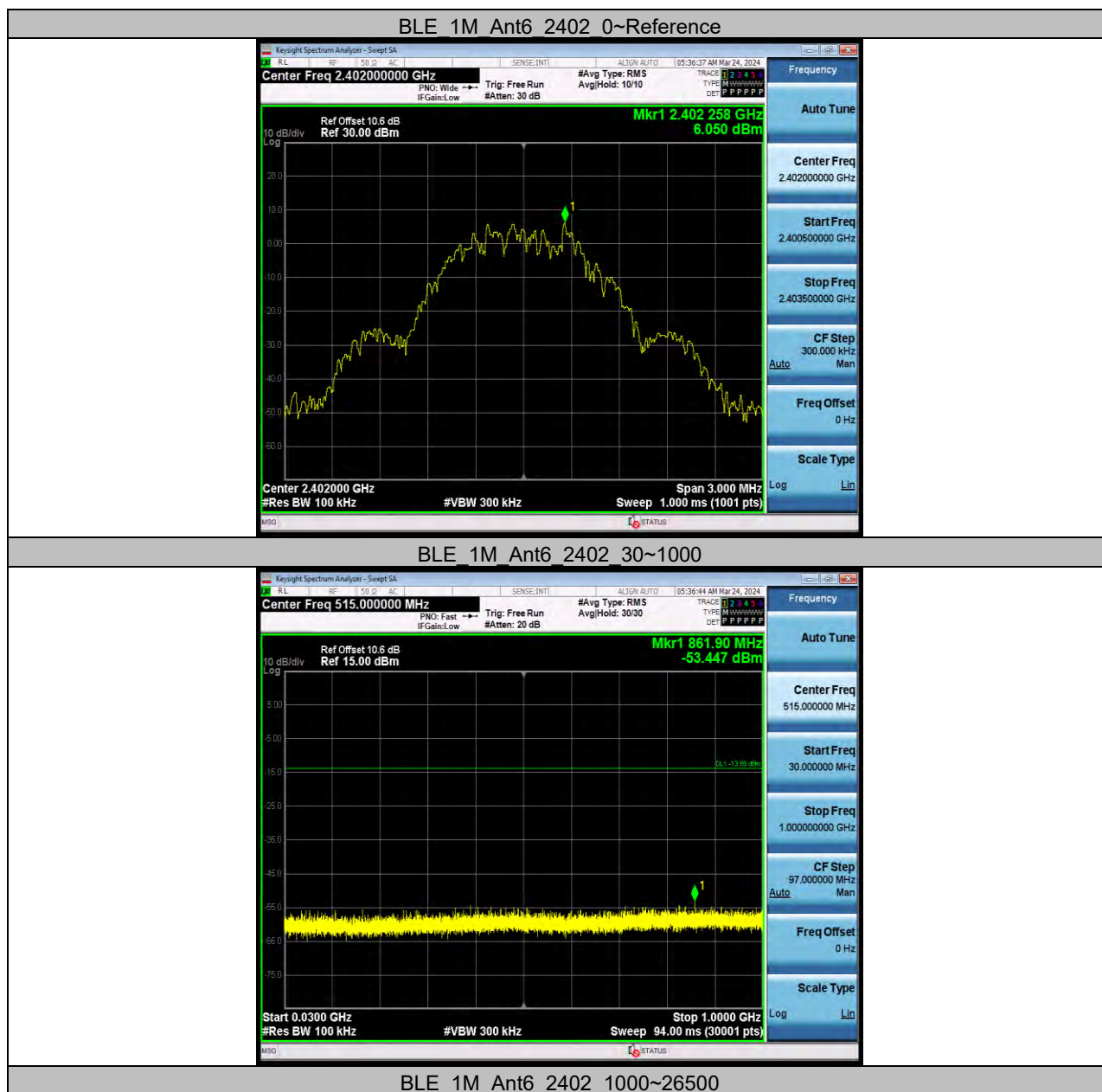
BLE 500K Ant6 High 2480



CONDUCTED SPURIOUS EMISSION TEST RESULT

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant6	2402	Reference	6.05	6.05	---	PASS
			30~1000	6.05	-53.45	≤-13.95	PASS
			1000~26500	6.05	-35.11	≤-13.95	PASS
		2440	Reference	7.06	7.06	---	PASS
			30~1000	7.06	-53.86	≤-12.94	PASS
			1000~26500	7.06	-34.55	≤-12.94	PASS
		2480	Reference	6.53	6.53	---	PASS
			30~1000	6.53	-53.94	≤-13.47	PASS
			1000~26500	6.53	-34.83	≤-13.47	PASS
BLE_2M	Ant6	2404	Reference	4.40	4.40	---	PASS
			30~1000	4.40	-54.37	≤-15.6	PASS
			1000~26500	4.40	-35.58	≤-15.6	PASS
		2440	Reference	4.05	4.05	---	PASS
			30~1000	4.05	-54.37	≤-15.95	PASS
			1000~26500	4.05	-35.03	≤-15.95	PASS
		2478	Reference	6.09	6.09	---	PASS
			30~1000	6.09	-53.35	≤-13.91	PASS
			1000~26500	6.09	-34.33	≤-13.91	PASS
BLE_125K	Ant6	2402	Reference	4.01	4.01	---	PASS
			30~1000	4.01	-54.86	≤-15.99	PASS
			1000~26500	4.01	-34.41	≤-15.99	PASS
		2440	Reference	4.46	4.46	---	PASS
			30~1000	4.46	-54.26	≤-15.54	PASS
			1000~26500	4.46	-35.04	≤-15.54	PASS
		2480	Reference	4.11	4.11	---	PASS
			30~1000	4.11	-54.16	≤-15.89	PASS
			1000~26500	4.11	-35.22	≤-15.89	PASS
BLE_500K	Ant6	2402	Reference	7.27	7.27	---	PASS
			30~1000	7.27	-54.47	≤-12.73	PASS
			1000~26500	7.27	-34.55	≤-12.73	PASS
		2440	Reference	6.29	6.29	---	PASS
			30~1000	6.29	-54.63	≤-13.71	PASS
			1000~26500	6.29	-34.85	≤-13.71	PASS
		2480	Reference	5.05	5.05	---	PASS
			30~1000	5.05	-54.21	≤-14.95	PASS
			1000~26500	5.05	-35.4	≤-14.95	PASS

TEST GRAPHS





BLE 1M Ant6 2440 0~Reference



BLE 1M Ant6 2440 30~1000

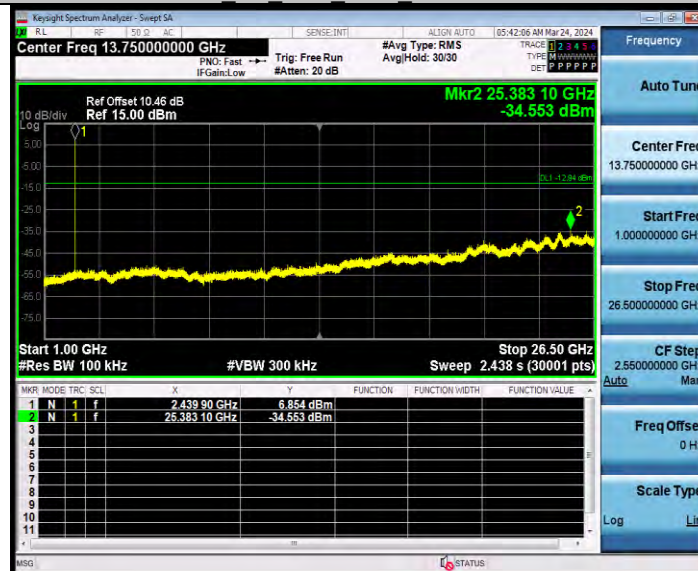


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BLE 1M Ant6 2440 1000~26500



BLE 1M Ant6 2480 0~Reference



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VERITAS

Reference No.: W7L-231218W001RF02



BLE 1M Ant6 2480 30~1000



BLE 1M Ant6 2480 1000~26500



BLE 2M Ant6 2404 0~Reference



BLE 2M Ant6 2404 30~1000

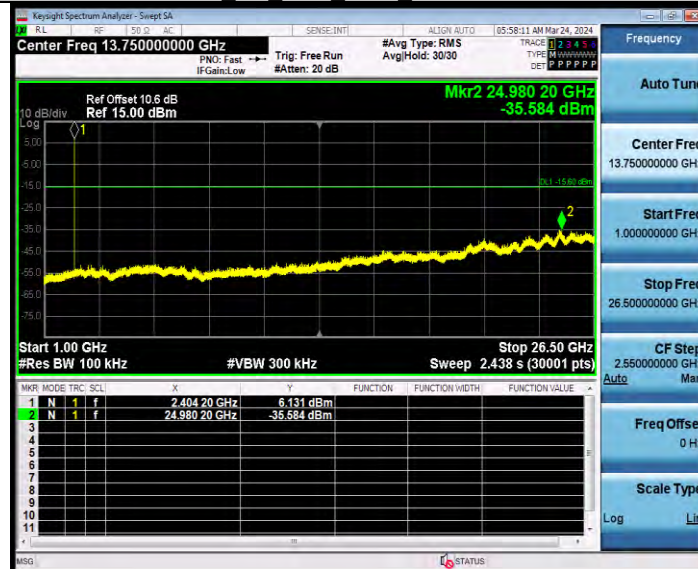


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VERITAS

Reference No.: W7L-231218W001RF02



BLE 2M Ant6 2404 1000~26500

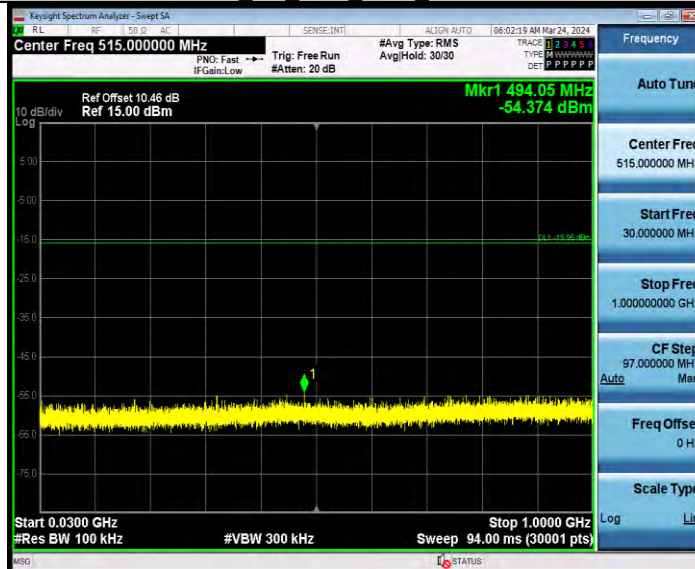


BLE 2M Ant6 2440 0~Reference

Reference No.: W7L-231218W001RF02



BLE 2M Ant6 2440 30~1000



BLE 2M Ant6 2440 1000~26500

Reference No.: W7L-231218W001RF02



BLE 2M Ant6 2478 0~Reference



BLE 2M Ant6 2478 30~1000

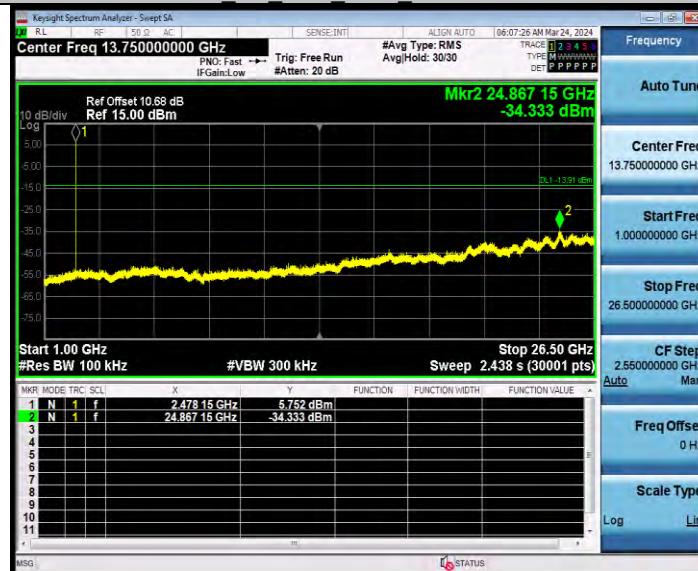


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VERITAS

Reference No.: W7L-231218W001RF02



BLE 2M Ant6 2478 1000~26500



BLE 125K Ant6 2402 0~Reference

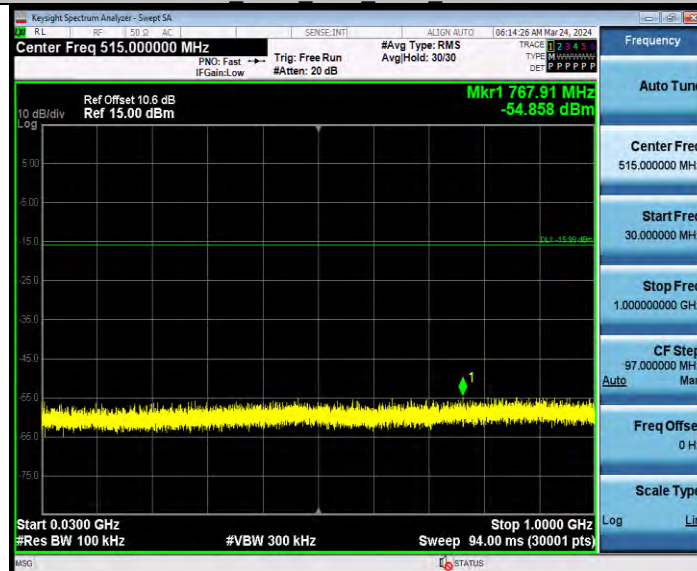


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Reference No.: W7L-231218W001RF02



BLE 125K Ant6 2402 30~1000



BLE 125K Ant6 2402 1000~26500



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Reference No.: W7L-231218W001RF02



BLE 125K Ant6 2440 0~Reference



BLE 125K Ant6 2440 30~1000

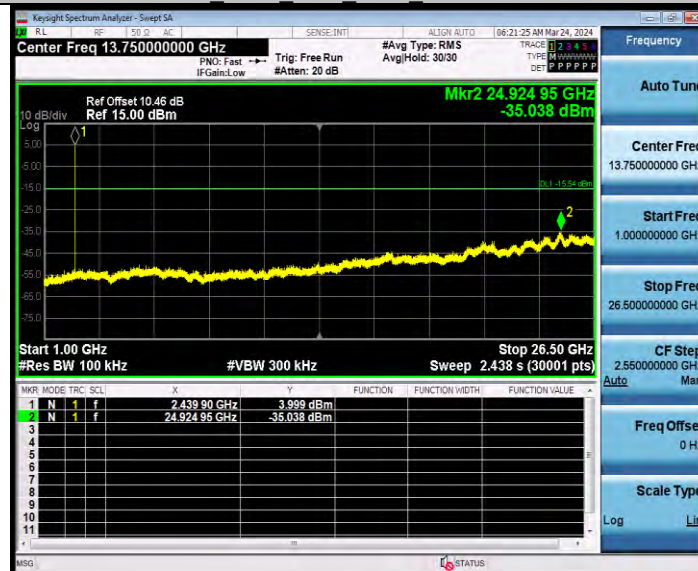


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Reference No.: W7L-231218W001RF02



BLE_125K_Ant6_2440_1000~26500



BLE_125K_Ant6_2480_0~Reference

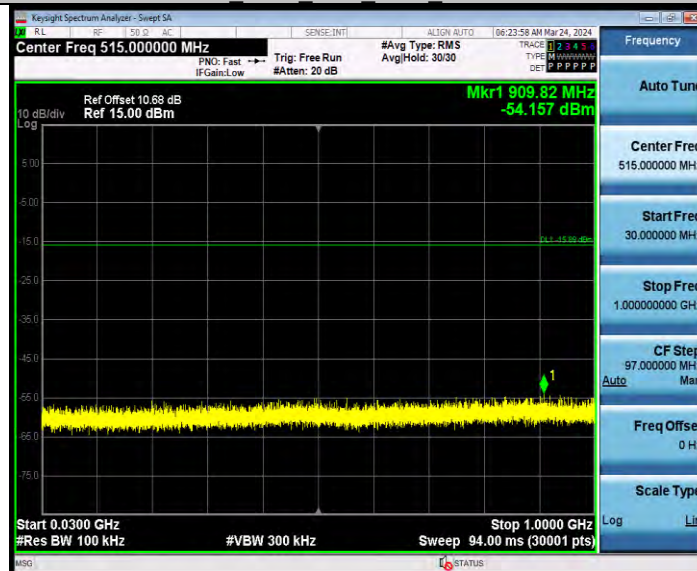


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Reference No.: W7L-231218W001RF02



BLE 125K Ant6 2480 30~1000



BLE 125K Ant6 2480 1000~26500



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VERITAS

Reference No.: W7L-231218W001RF02



BLE 500K Ant6 2402 0~Reference

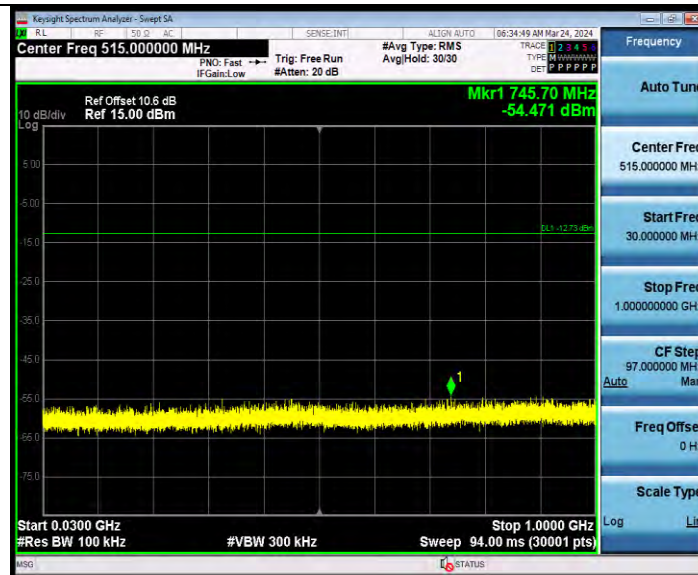


BLE 500K Ant6 2402 30~1000

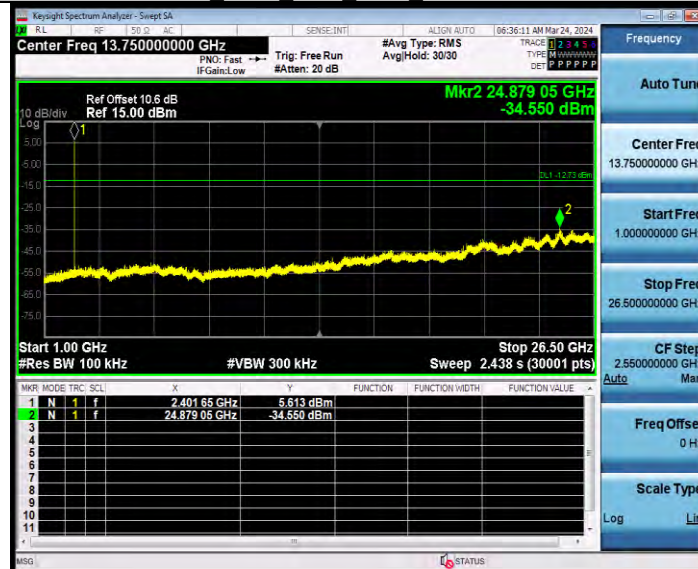


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VERITAS

Reference No.: W7L-231218W001RF02



BLE_500K_Ant6_2402_1000~26500



BLE_500K_Ant6_2440_0~Reference



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VERITAS

Reference No.: W7L-231218W001RF02



BLE_500K_Ant6_2440_30~1000



BLE_500K_Ant6_2440_1000~26500



BUREAU
VERITAS

Reference No.: W7L-231218W001RF02



BLE 500K Ant6 2480 0~Reference

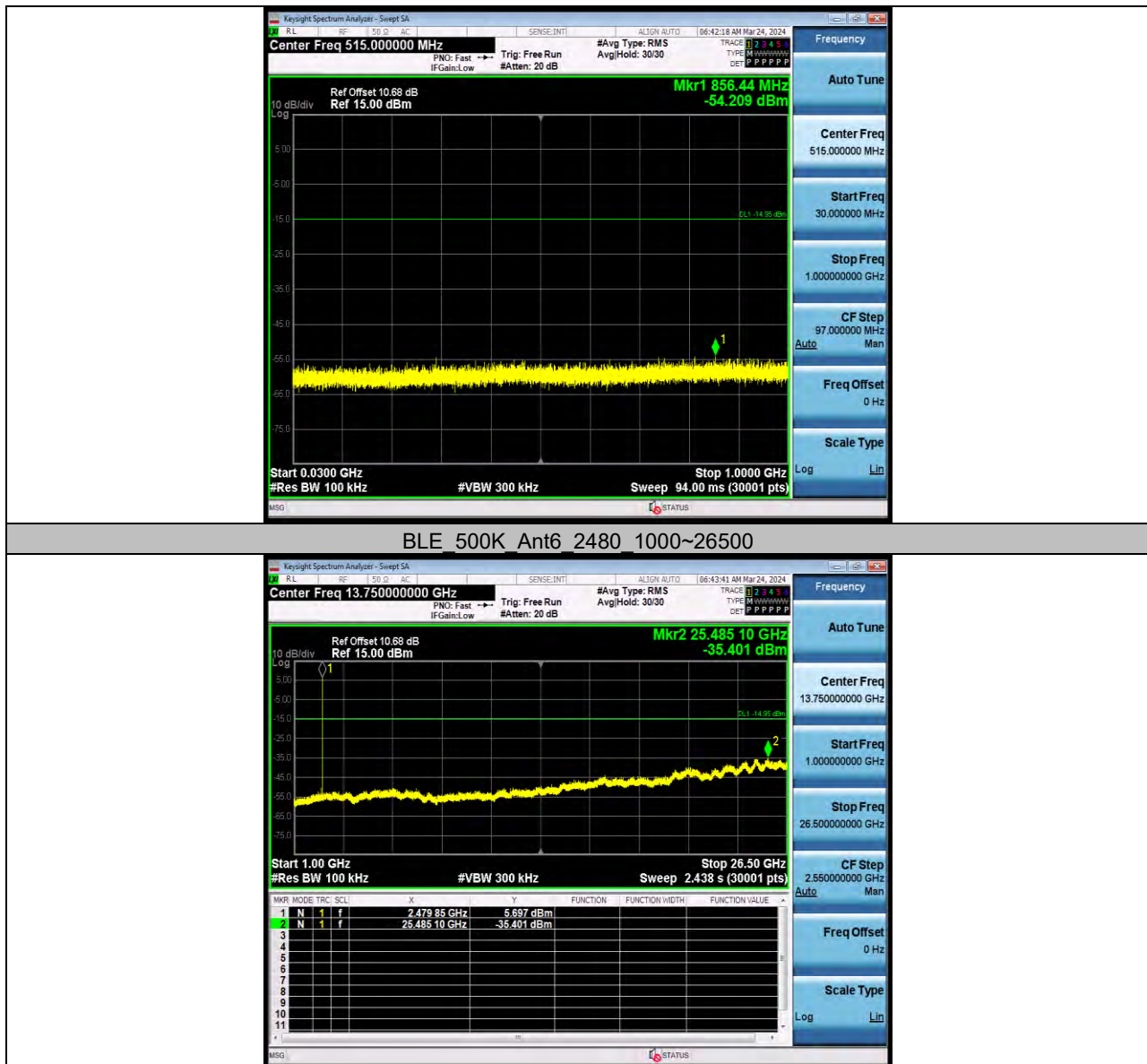


BLE 500K Ant6 2480 30~1000



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VERITAS

Reference No.: W7L-231218W001RF02



DUTY CYCLE TEST RESULT

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant6	2402	0.39	0.63	61.90	2.08
		2440	0.40	0.63	63.49	1.97
		2480	0.40	0.63	63.49	1.97
BLE_2M	Ant6	2404	0.21	0.63	33.33	4.77
		2440	0.21	0.63	33.33	4.77
		2478	0.20	0.62	32.26	4.91
BLE_125K	Ant6	2402	3.10	3.75	82.67	0.83
		2440	3.10	3.75	82.67	0.83
		2480	3.10	3.75	82.67	0.83
BLE_500K	Ant6	2402	1.07	1.88	56.91	2.45
		2440	1.07	1.88	56.91	2.45
		2480	1.07	1.88	56.91	2.45

Reference No.: W7L-231218W001RF02

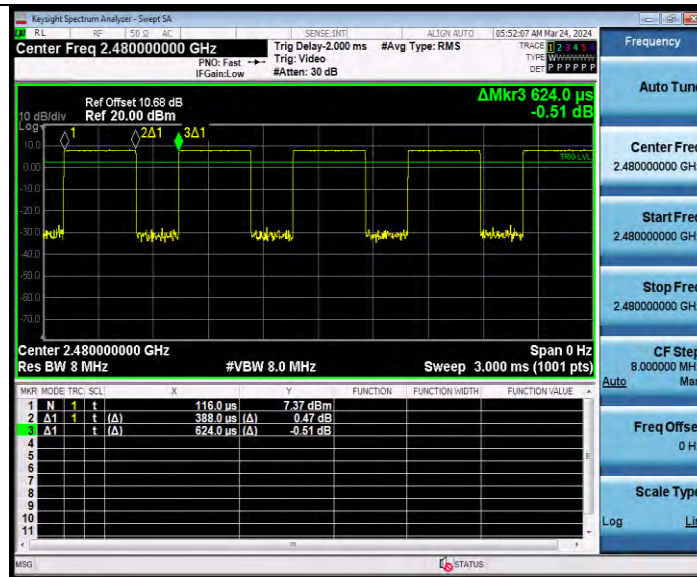
TEST GRAPHS



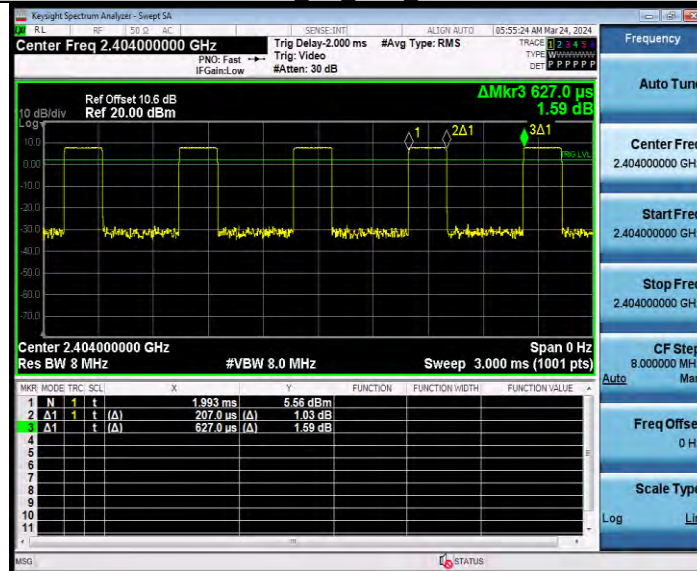


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Reference No.: W7L-231218W001RF02



BLE 2M Ant6 2404

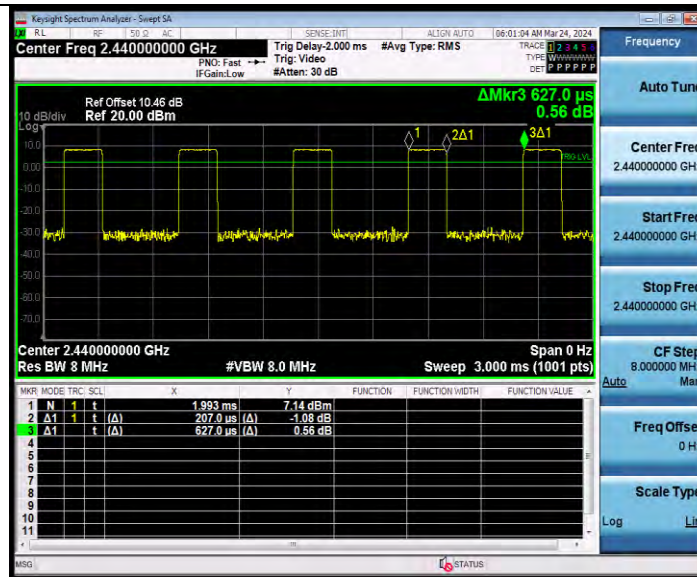


BLE 2M Ant6 2440

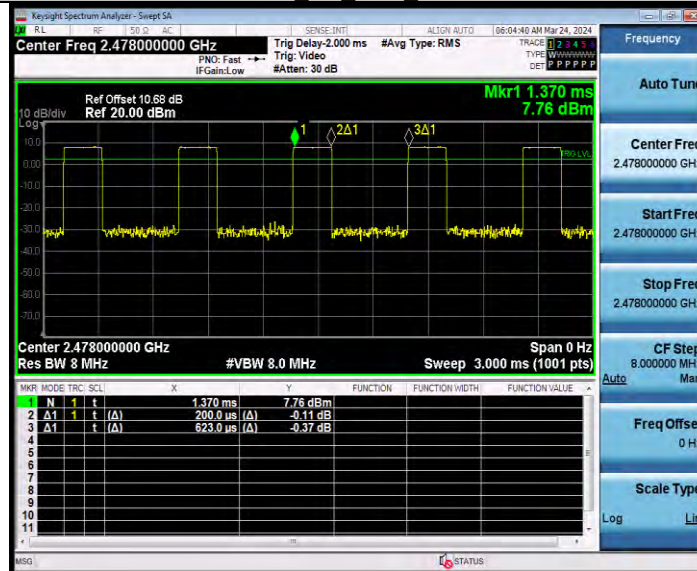


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Reference No.: W7L-231218W001RF02



BLE 2M Ant6 2478



BLE 125K Ant6 2402

