

Reference No.: W7L-P24050018RF02



BLE 125K Ant1 2440



BLE 125K Ant1 2480

Reference No.: W7L-P24050018RF02



BLE 500K Ant1 2402

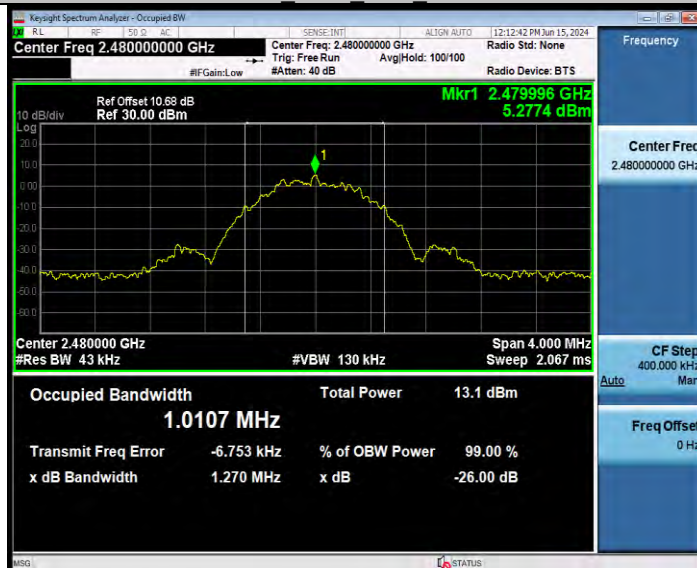


BLE 500K Ant1 2440

Reference No.: W7L-P24050018RF02



BLE 500K Ant1 2480



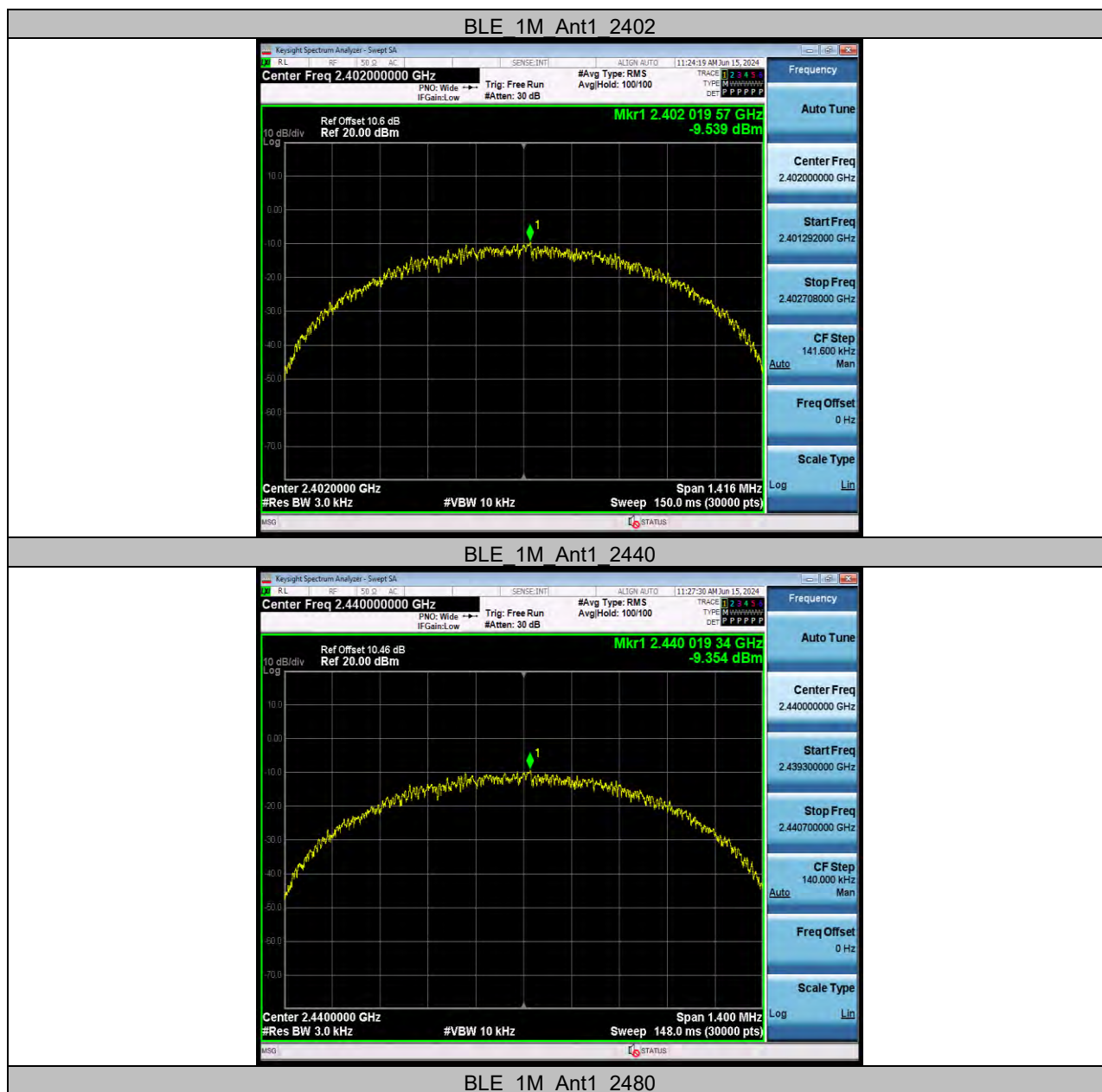
MAXIMUM CONDUCTED OUTPUT POWER TEST RESULT

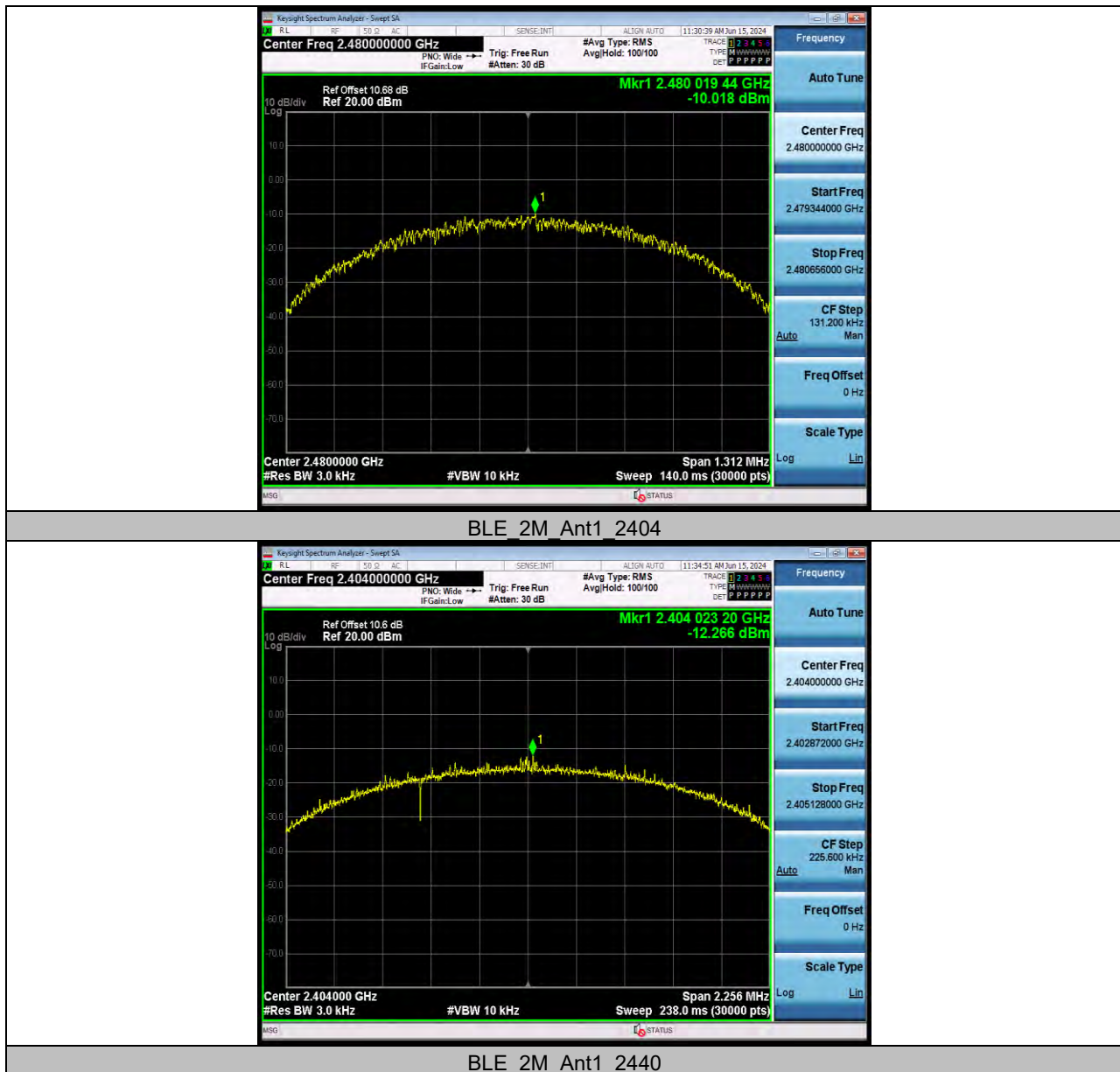
TestMode	Antenna	Channel	Average power [dBm]	Peak power [dBm]	Peak power [mw]	Conducted Limit [dBm]	Verdict	Power Setting
BLE_1M	Ant1	2402	5.74	7.1	5.13	≤30	PASS	Default
		2440	6.71	8.1	6.46	≤30	PASS	Default
		2480	5.45	6.8	4.79	≤30	PASS	Default
BLE_2M	Ant1	2404	6.27	8.7	7.41	≤30	PASS	Default
		2440	7.28	9.72	9.38	≤30	PASS	Default
		2478	5.87	8.28	6.73	≤30	PASS	Default
BLE_125k	Ant1	2402	5.87	6.08	4.06	≤30	PASS	Default
		2440	6.85	7.02	5.04	≤30	PASS	Default
		2480	5.59	5.87	3.86	≤30	PASS	Default
BLE_500K	Ant1	2402	5.77	6.12	4.09	≤30	PASS	Default
		2440	6.73	7.06	5.08	≤30	PASS	Default
		2480	5.46	5.87	3.86	≤30	PASS	Default

MAXIMUM POWER SPECTRAL DENSITY TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.54	≤8.00	PASS
		2440	-9.35	≤8.00	PASS
		2480	-10.02	≤8.00	PASS
BLE_2M	Ant1	2404	-12.27	≤8.00	PASS
		2440	-11.17	≤8.00	PASS
		2478	-12.78	≤8.00	PASS
BLE_125K	Ant1	2402	0.17	≤8.00	PASS
		2440	0.40	≤8.00	PASS
		2480	-0.14	≤8.00	PASS
BLE_500K	Ant1	2402	0.03	≤8.00	PASS
		2440	0.31	≤8.00	PASS
		2480	-0.51	≤8.00	PASS

TEST GRAPHS







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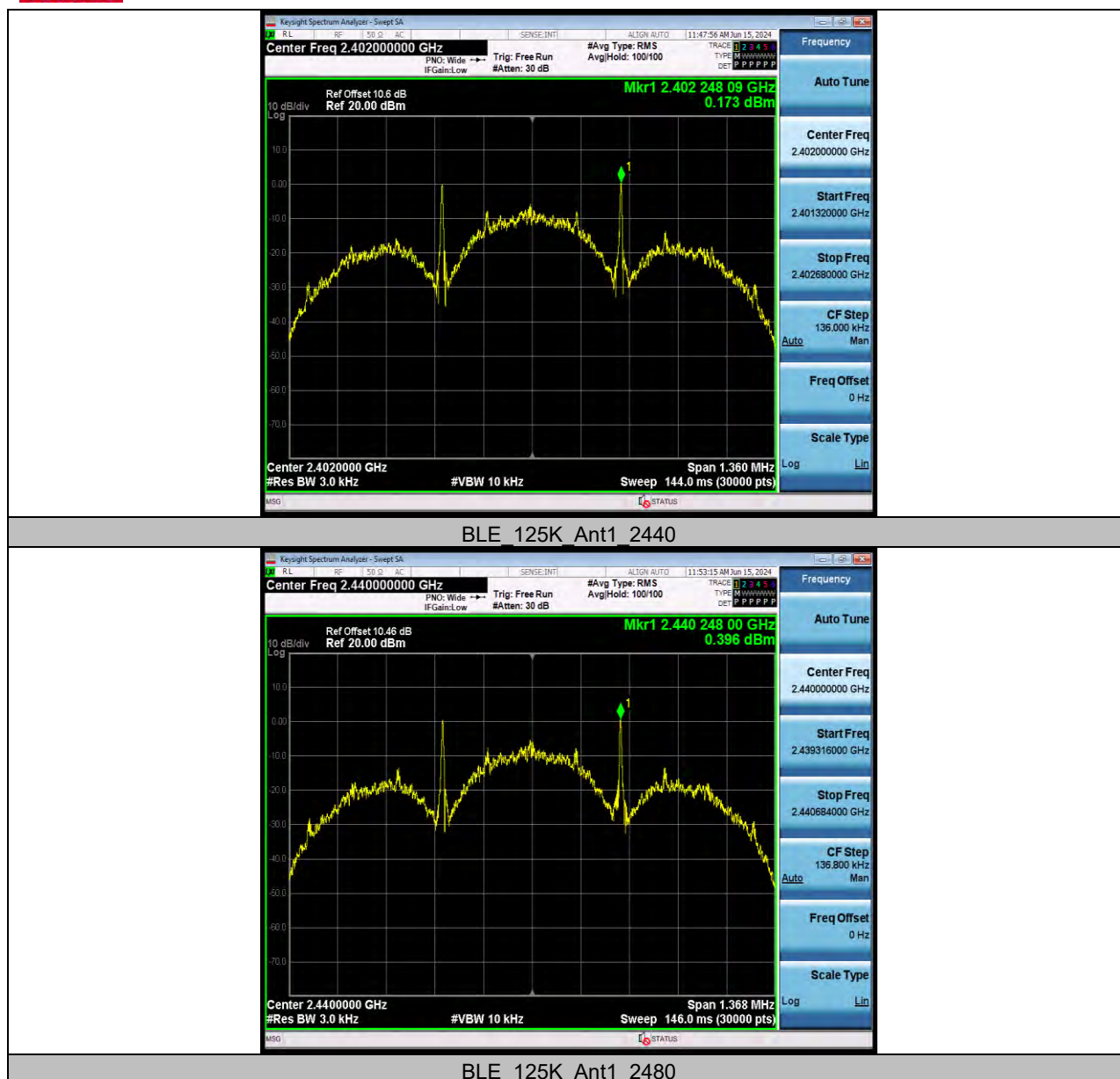
Reference No.: W7L-P24050018RF02

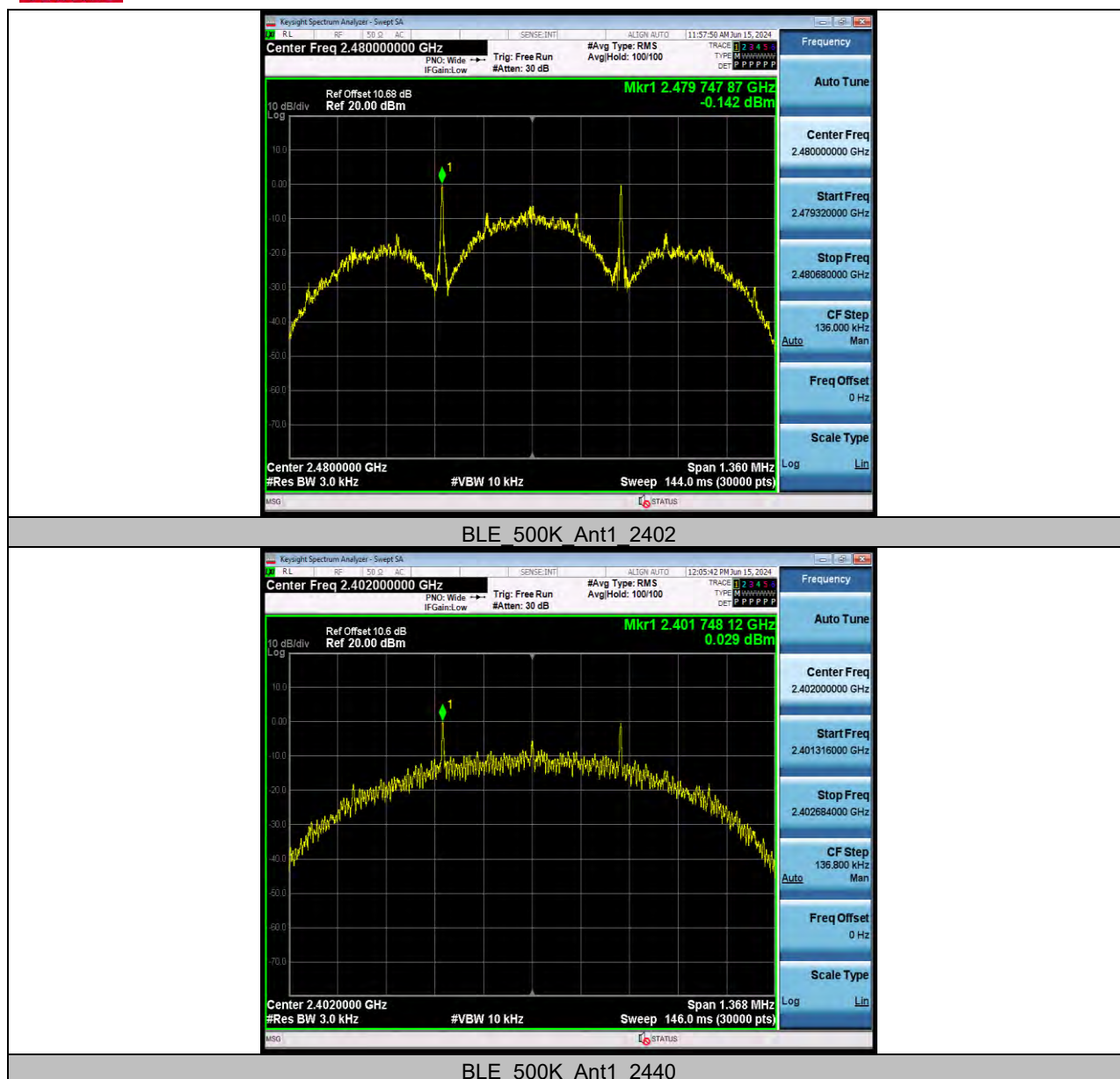


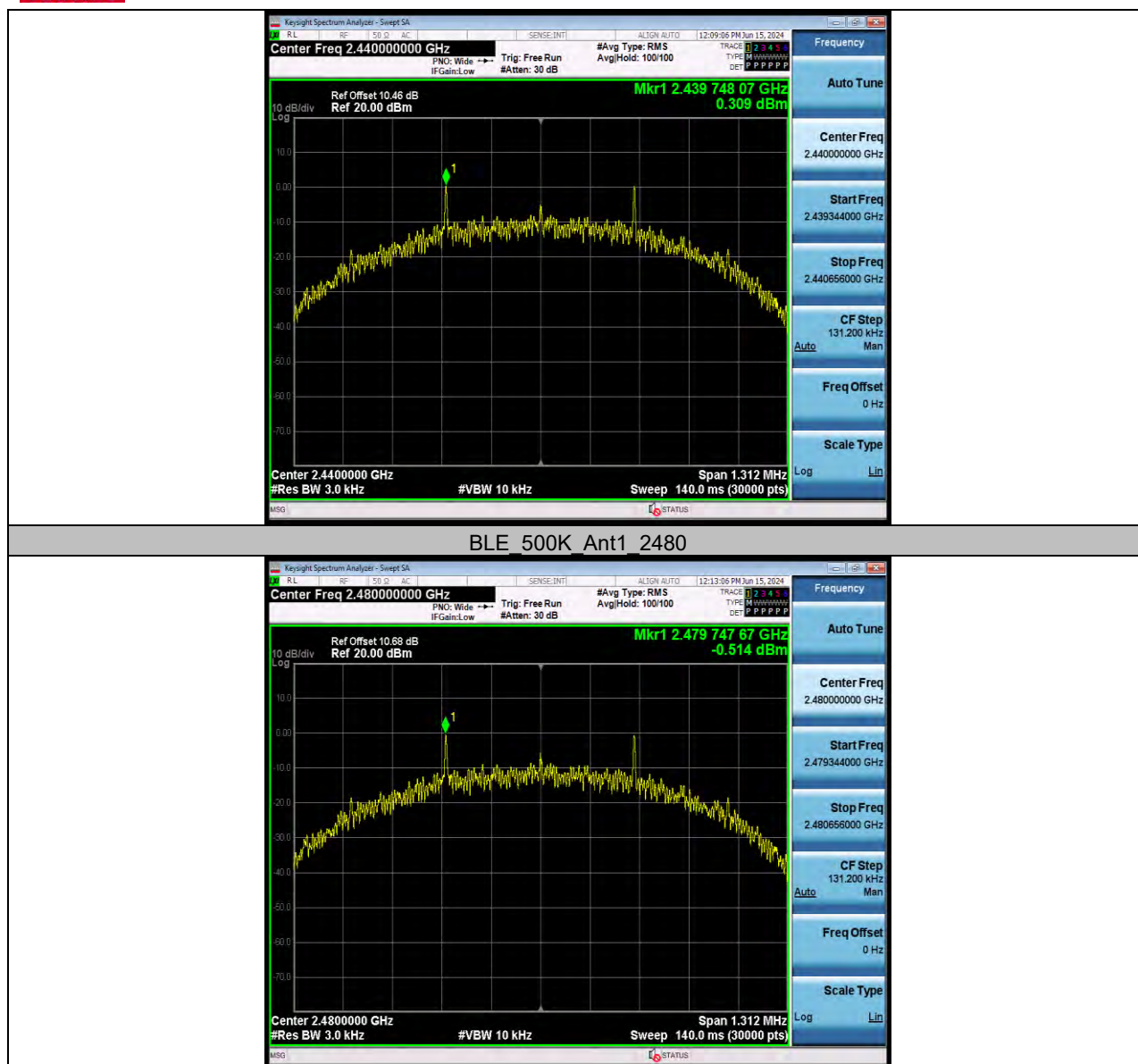
BLE 2M Ant1 2478



BLE 125K Ant1 2402



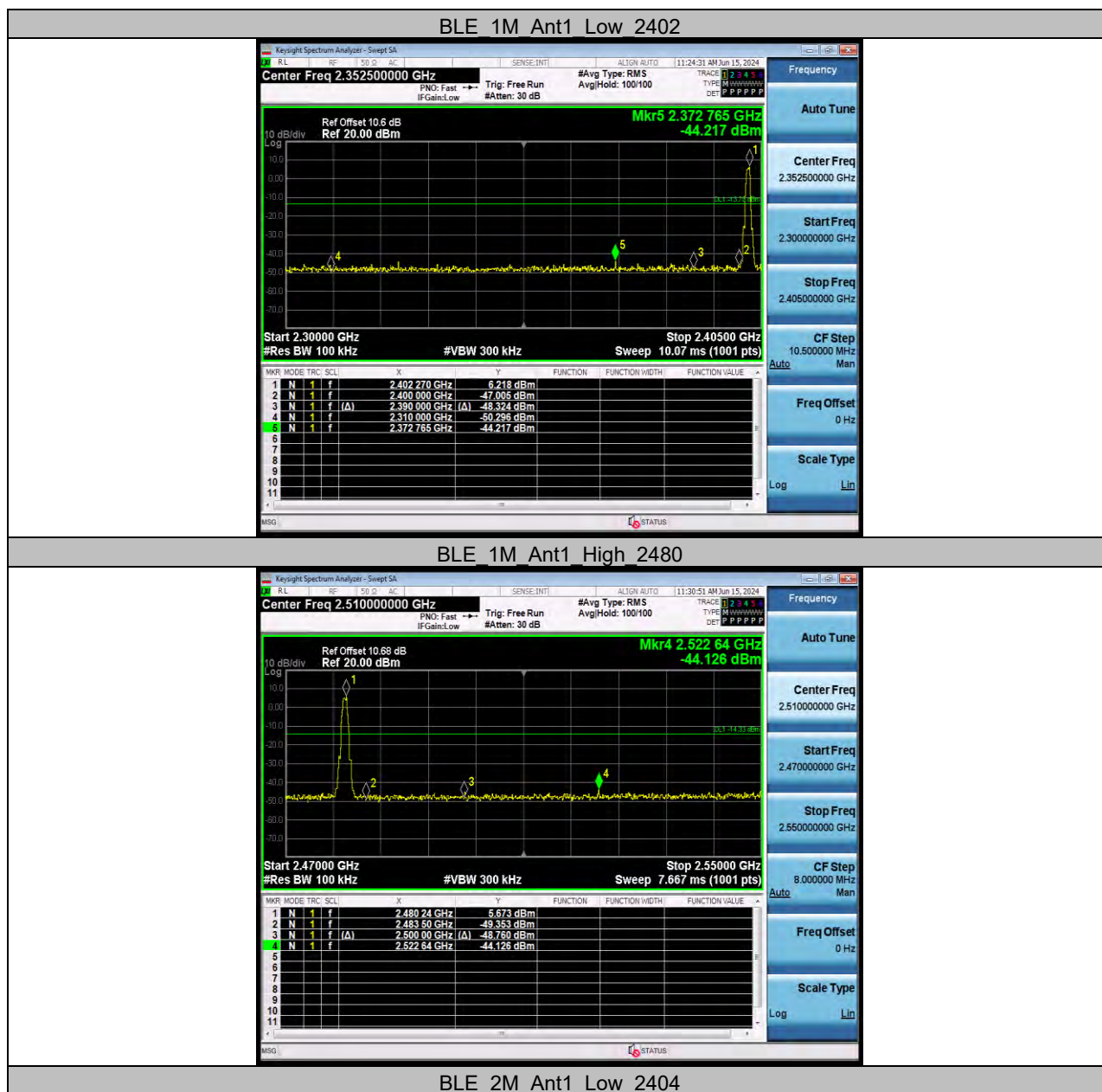




BAND EDGE MEASUREMENTS TEST RESULT

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.22	-44.22	≤-13.78	PASS
		High	2480	5.67	-44.13	≤-14.33	PASS
BLE_2M	Ant1	Low	2404	5.66	-45.5	≤-14.34	PASS
		High	2478	4.05	-43.18	≤-15.95	PASS
BLE_125K	Ant1	Low	2402	2.86	-45.24	≤-17.14	PASS
		High	2480	2.39	-44.8	≤-17.61	PASS
BLE_500K	Ant1	Low	2402	5.78	-45.91	≤-14.22	PASS
		High	2480	5.35	-44.92	≤-14.65	PASS

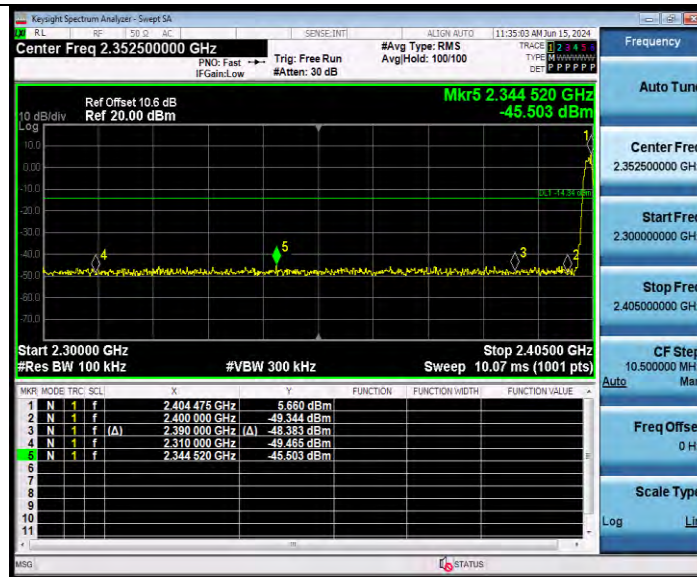
TEST GRAPHS



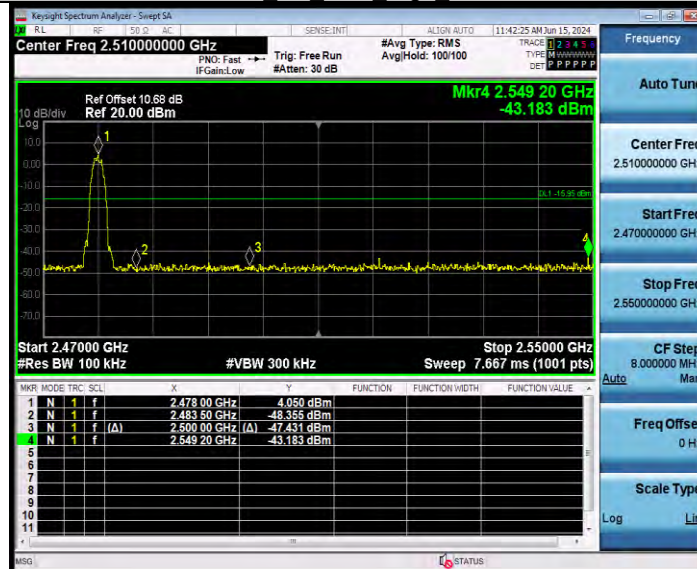


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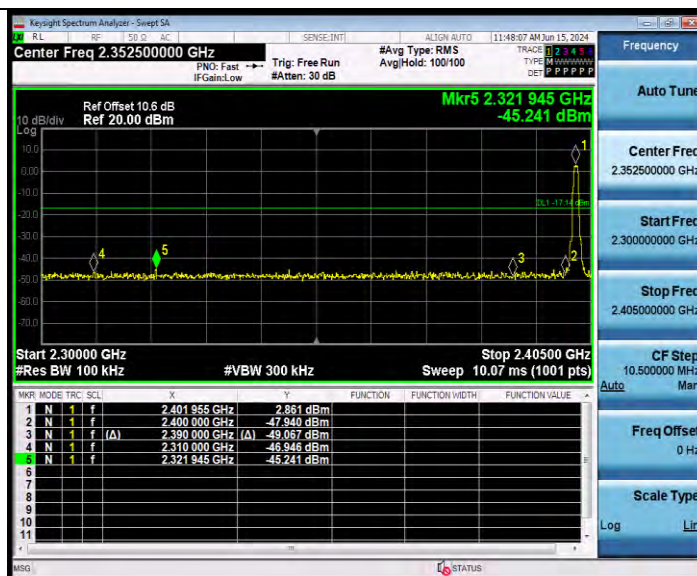
Reference No.: W7L-P24050018RF02



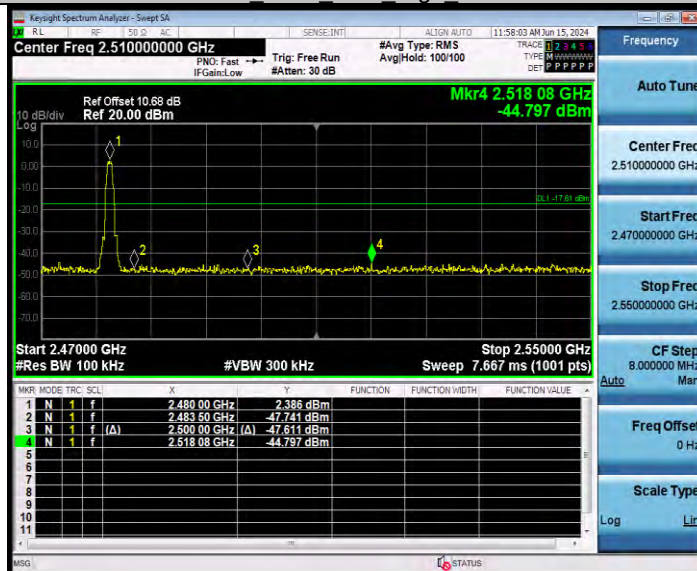
BLE 2M Ant1 High 2478



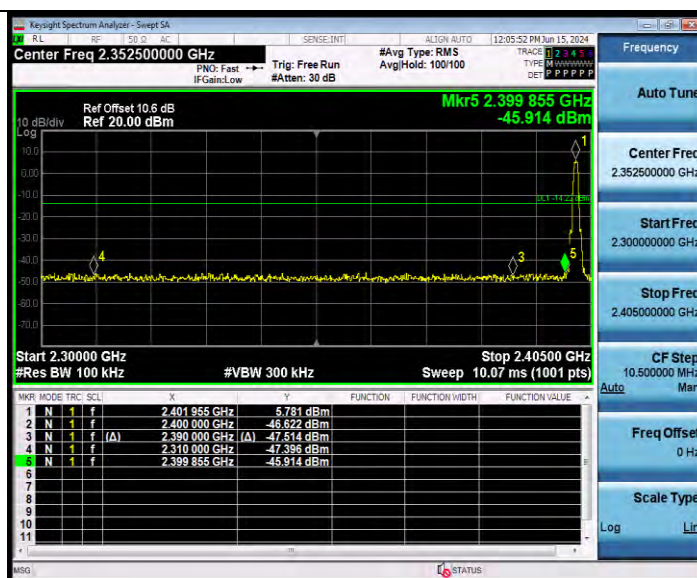
BLE 125K Ant1 Low 2402



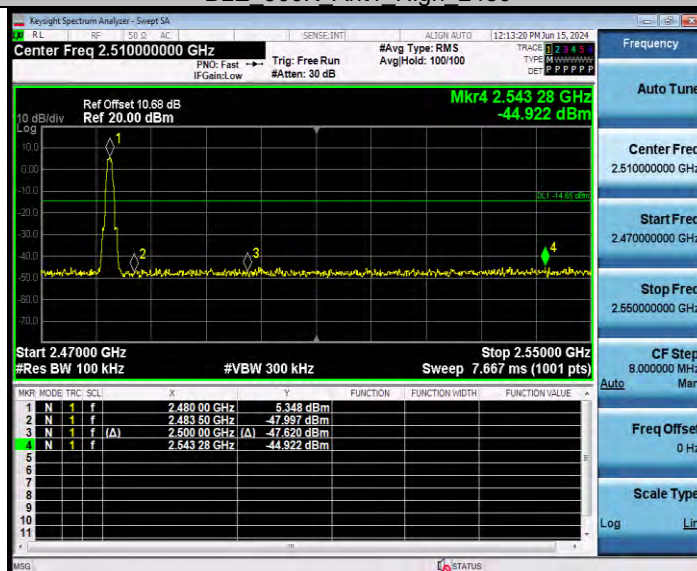
BLE 125K Ant1 High 2480



BLE 500K Ant1 Low 2402



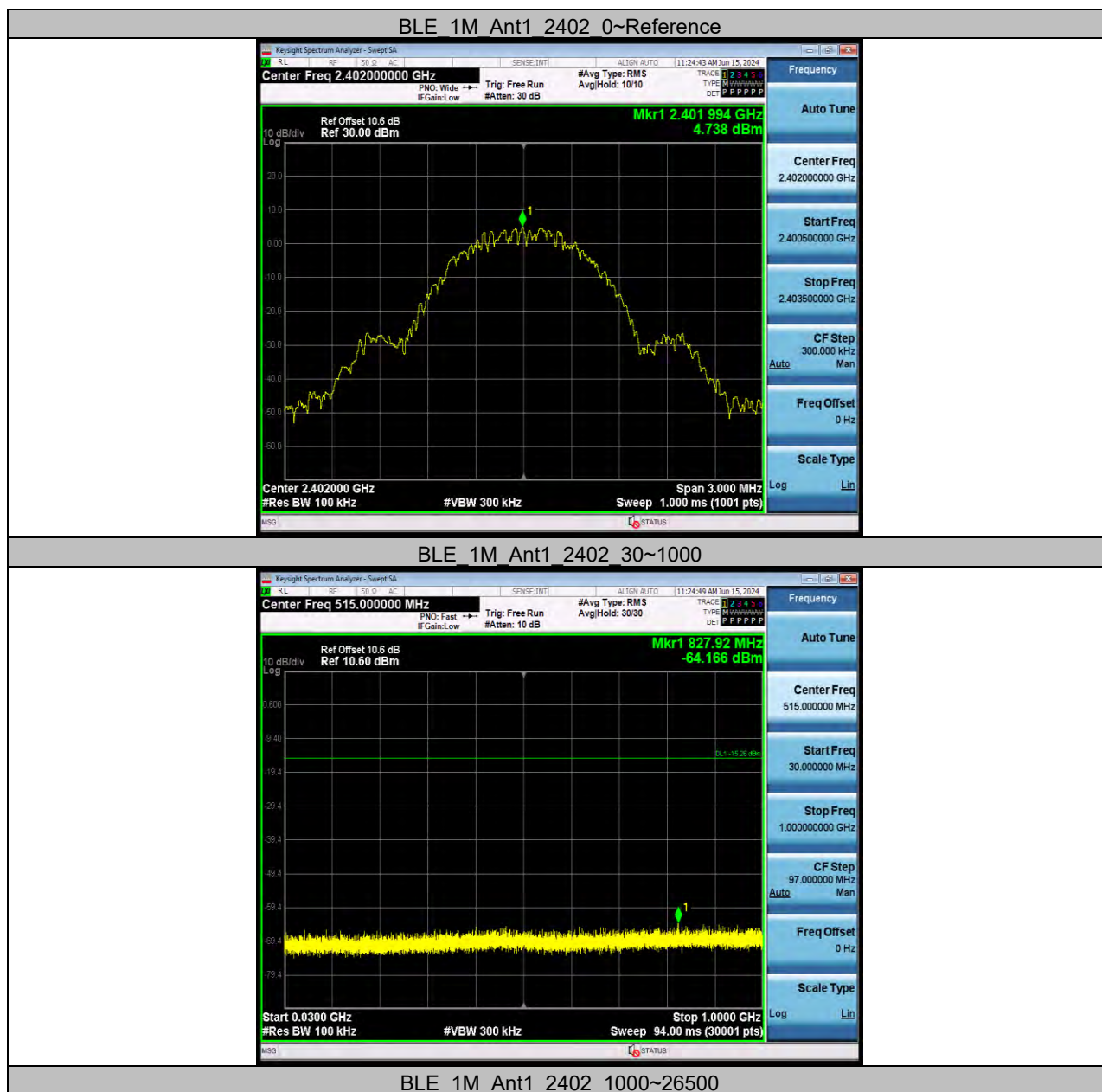
BLE 500K Ant1 High 2480



CONDUCTED SPURIOUS EMISSION TEST RESULT

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.74	4.74	---	PASS
			30~1000	4.74	-64.17	≤-15.26	PASS
			1000~26500	4.74	-43.97	≤-15.26	PASS
		2440	Reference	5.63	5.63	---	PASS
			30~1000	5.63	-63.76	≤-14.37	PASS
			1000~26500	5.63	-45.14	≤-14.37	PASS
		2480	Reference	4.34	4.34	---	PASS
			30~1000	4.34	-64.09	≤-15.66	PASS
			1000~26500	4.34	-44.65	≤-15.66	PASS
BLE_2M	Ant1	2404	Reference	2.94	2.94	---	PASS
			30~1000	2.94	-64.13	≤-17.06	PASS
			1000~26500	2.94	-45.16	≤-17.06	PASS
		2440	Reference	6.23	6.23	---	PASS
			30~1000	6.23	-64.31	≤-13.77	PASS
			1000~26500	6.23	-44.78	≤-13.77	PASS
		2478	Reference	2.82	2.82	---	PASS
			30~1000	2.82	-64.46	≤-17.18	PASS
			1000~26500	2.82	-43.9	≤-17.18	PASS
BLE_125K	Ant1	2402	Reference	2.83	2.83	---	PASS
			30~1000	2.83	-63.62	≤-17.17	PASS
			1000~26500	2.83	-45.42	≤-17.17	PASS
		2440	Reference	2.92	2.92	---	PASS
			30~1000	2.92	-64.41	≤-17.08	PASS
			1000~26500	2.92	-45.25	≤-17.08	PASS
		2480	Reference	2.34	2.34	---	PASS
			30~1000	2.34	-63.73	≤-17.66	PASS
			1000~26500	2.34	-44.3	≤-17.66	PASS
BLE_500K	Ant1	2402	Reference	4.92	4.92	---	PASS
			30~1000	4.92	-64.37	≤-15.08	PASS
			1000~26500	4.92	-44.88	≤-15.08	PASS
		2440	Reference	5.16	5.16	---	PASS
			30~1000	5.16	-63.69	≤-14.84	PASS
			1000~26500	5.16	-45.19	≤-14.84	PASS
		2480	Reference	4.04	4.04	---	PASS
			30~1000	4.04	-63.12	≤-15.96	PASS
			1000~26500	4.04	-44.77	≤-15.96	PASS

TEST GRAPHS





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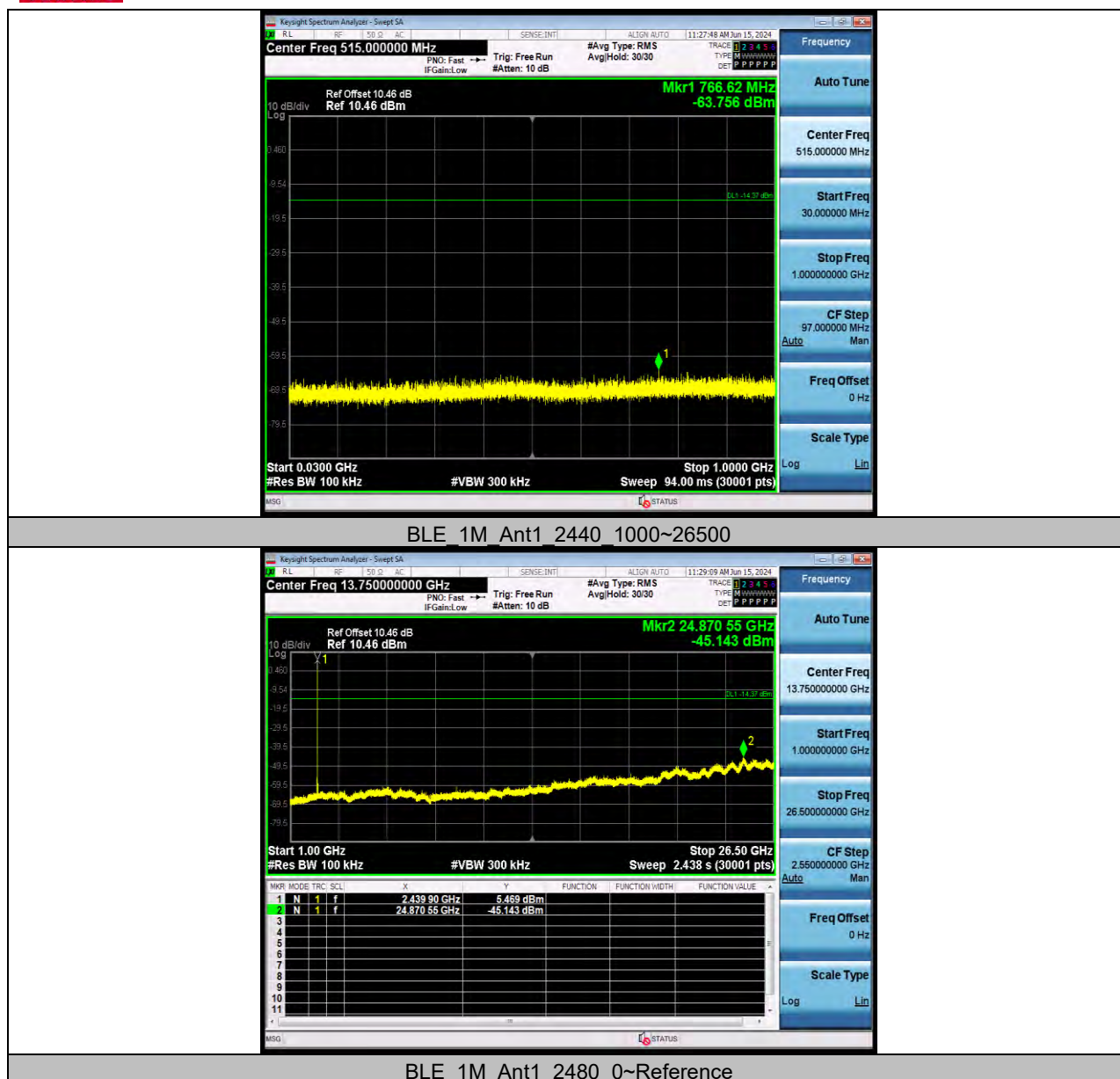
Reference No.: W7L-P24050018RF02



BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



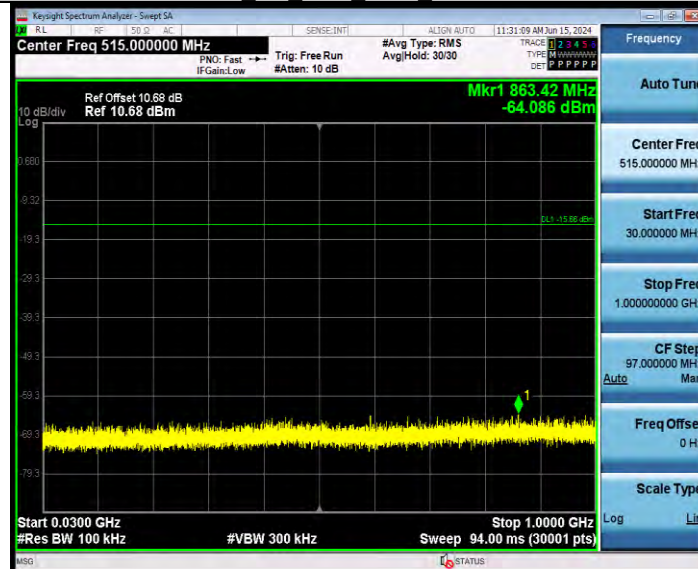


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Reference No.: W7L-P24050018RF02



BLE 1M Ant1 2480 30~1000



BLE 1M Ant1 2480 1000~26500



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Reference No.: W7L-P24050018RF02



BLE 2M Ant1 2404 0~Reference

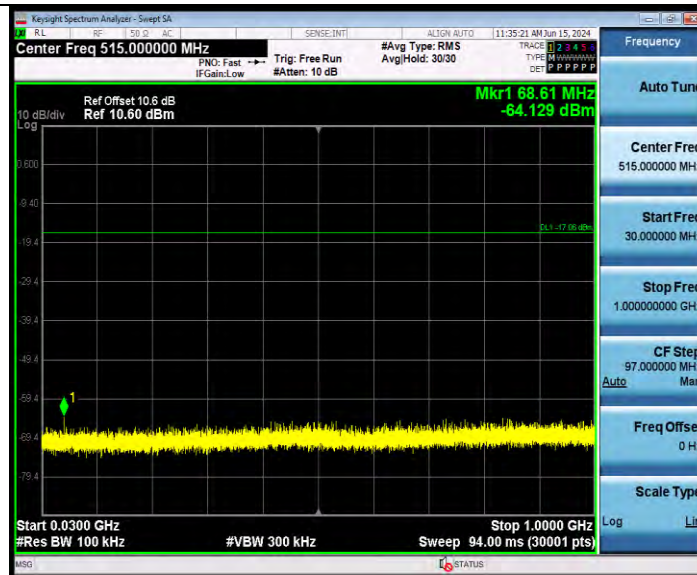


BLE 2M Ant1 2404 30~1000

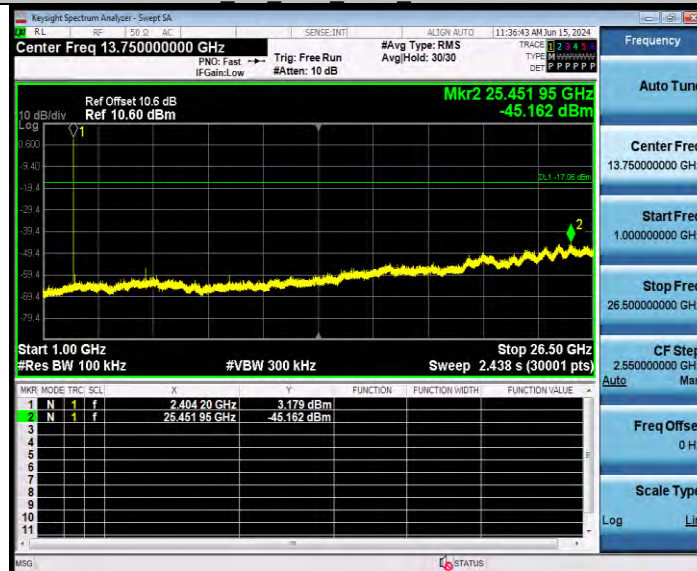


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Reference No.: W7L-P24050018RF02



BLE 2M Ant1 2404 1000~26500



BLE 2M Ant1 2440 0~Reference

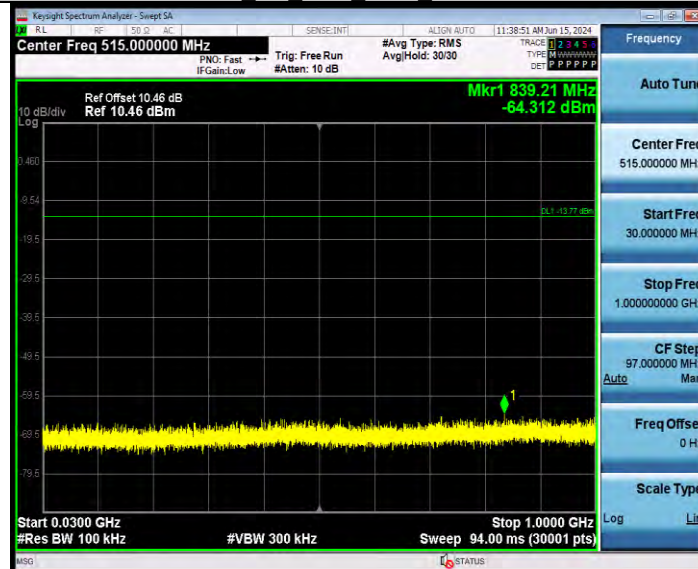


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Reference No.: W7L-P24050018RF02



BLE 2M Ant1 2440 30~1000



BLE 2M Ant1 2440 1000~26500



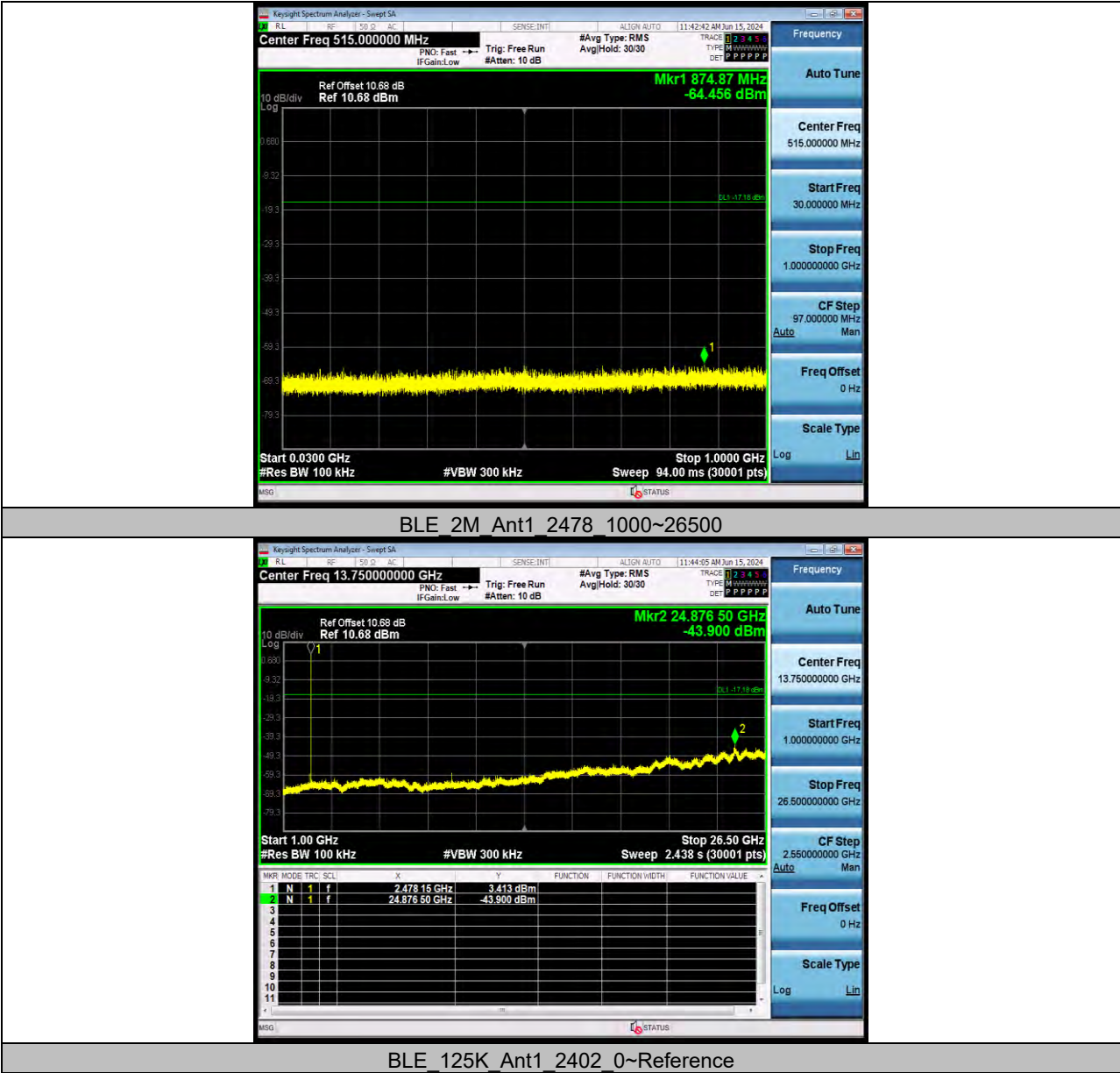
BLE 2M Ant1 2478 0~Reference



BLE 2M Ant1 2478 30~1000



Reference No.: W7L-P24050018RF02



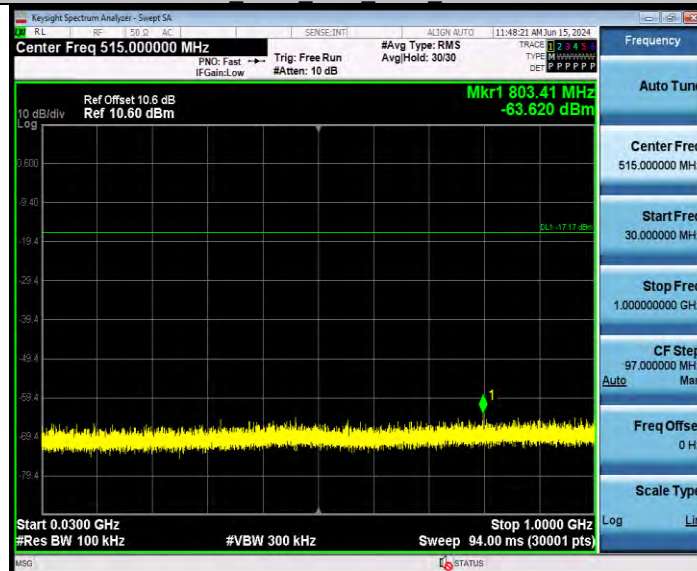


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Reference No.: W7L-P24050018RF02



BLE_125K_Ant1_2402_30~1000



BLE_125K_Ant1_2402_1000~26500



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VERITAS

Reference No.: W7L-P24050018RF02



BLE 125K Ant1 2440 0~Reference



BLE 125K Ant1 2440 30~1000

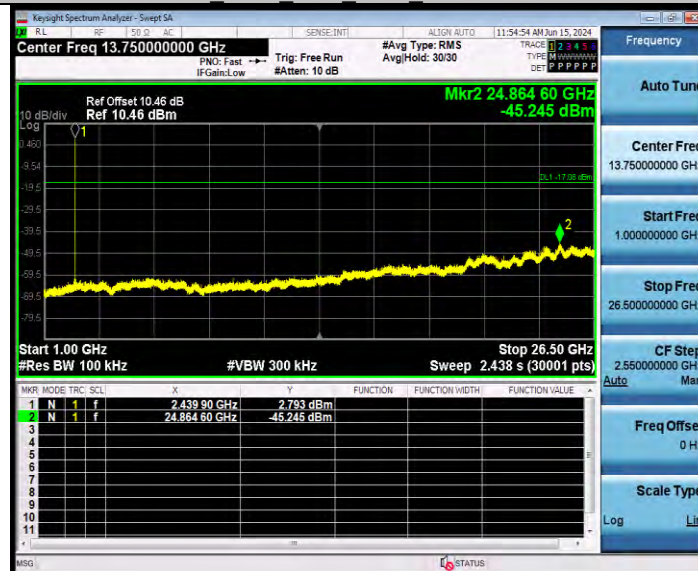


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Reference No.: W7L-P24050018RF02



BLE_125K_Ant1_2440_1000~26500



BLE_125K_Ant1_2480_0~Reference

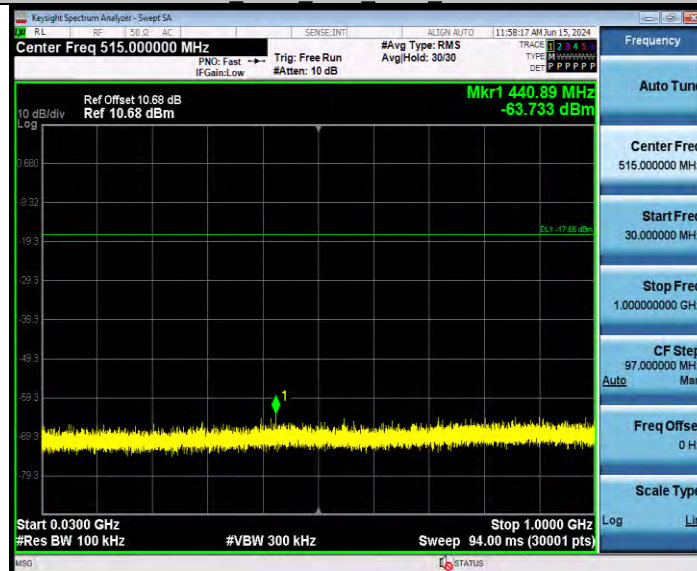


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VERITAS

Reference No.: W7L-P24050018RF02

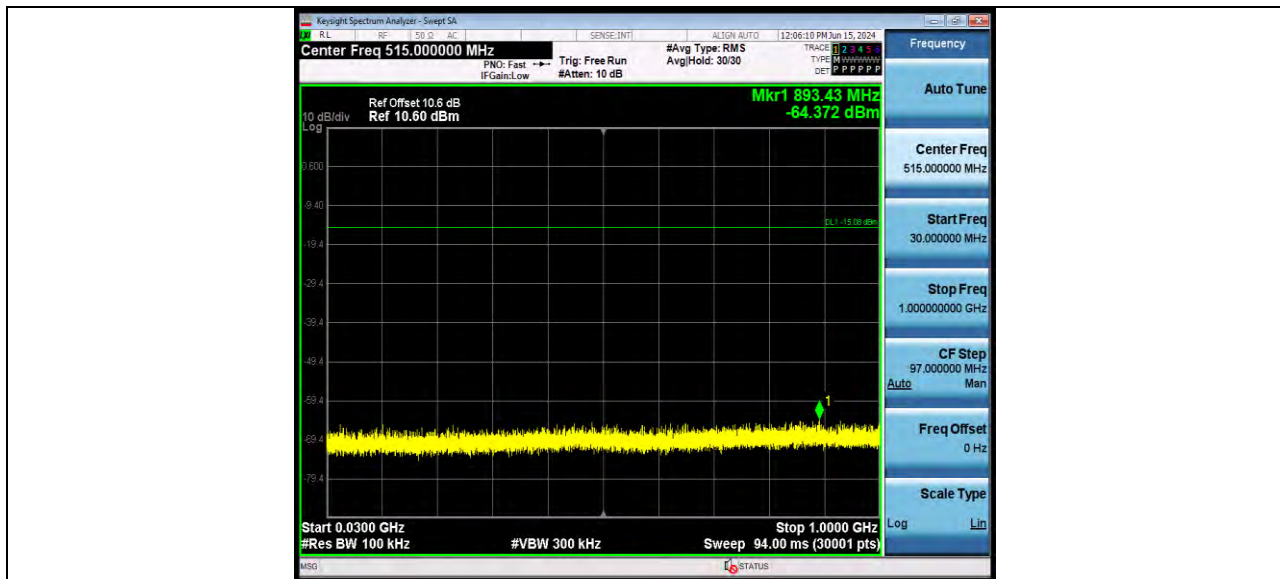


BLE 125K Ant1 2480 30~1000



BLE 125K Ant1 2480 1000~26500





BLE_500K_Ant1_2402_1000~26500



BLE_500K_Ant1_2440_0~Reference

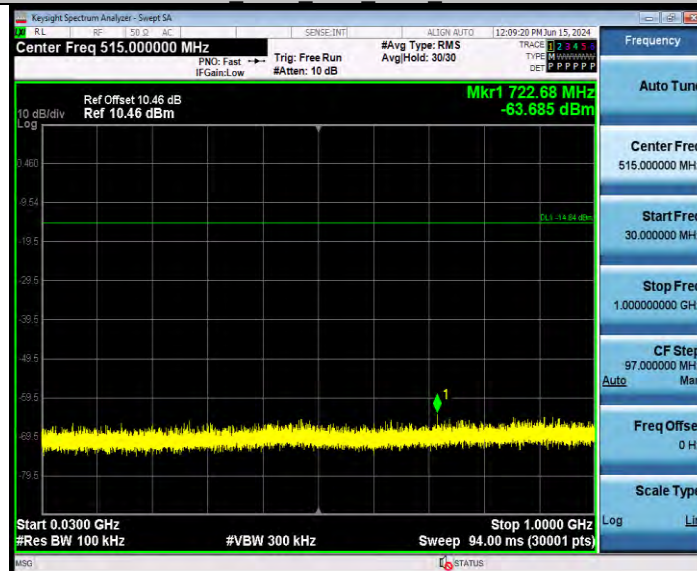


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Reference No.: W7L-P24050018RF02



BLE_500K_Ant1_2440_30~1000

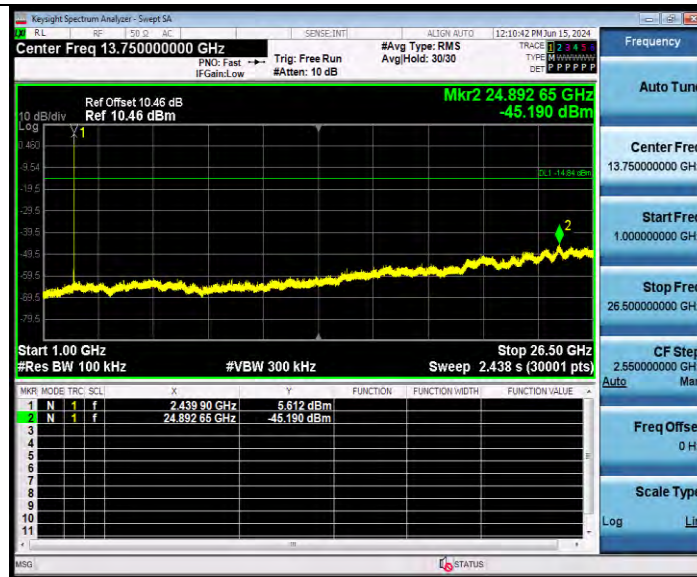


BLE_500K_Ant1_2440_1000~26500



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VERITAS

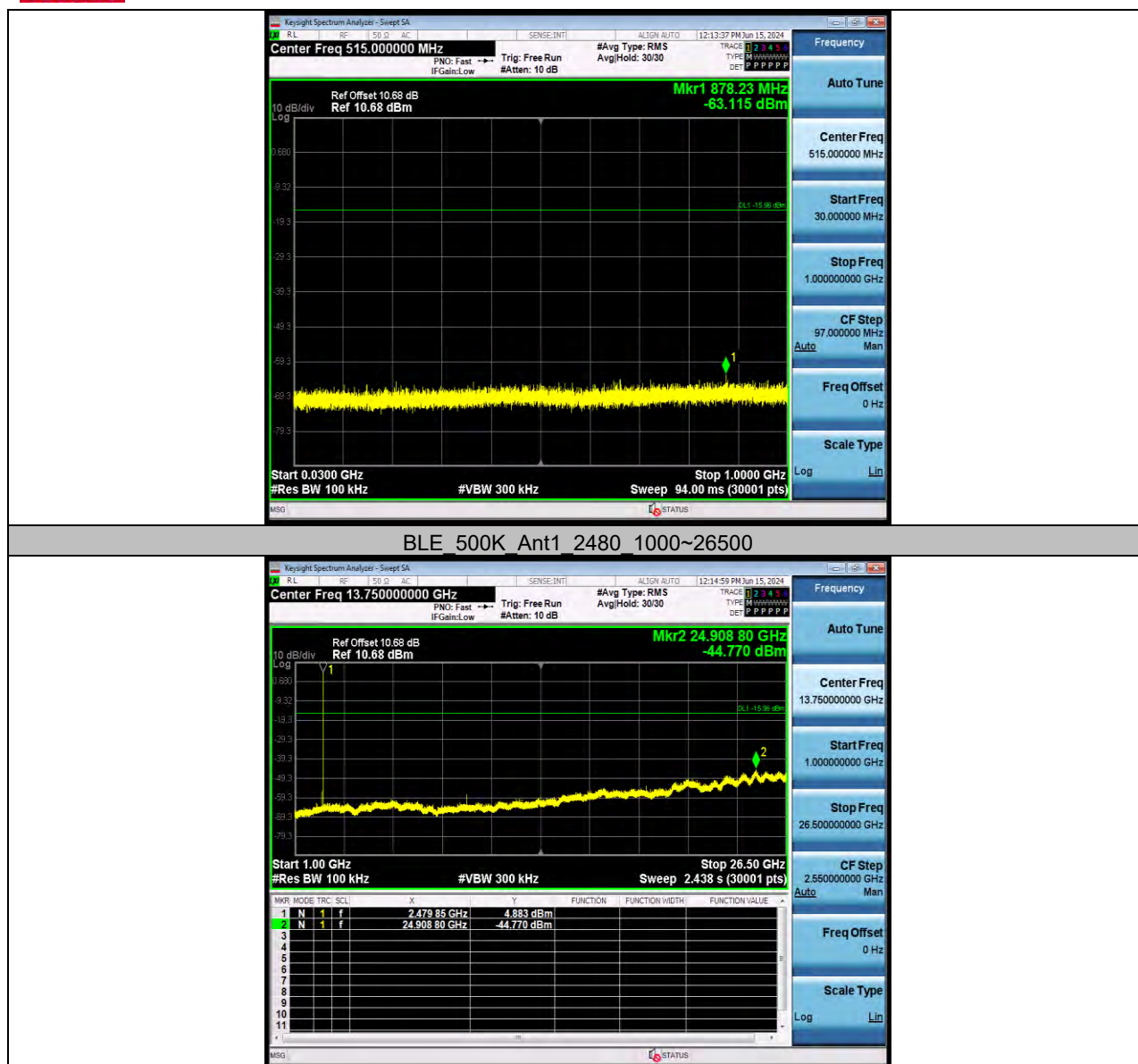
Reference No.: W7L-P24050018RF02



BLE 500K Ant1 2480 0~Reference



BLE 500K Ant1 2480 30~1000

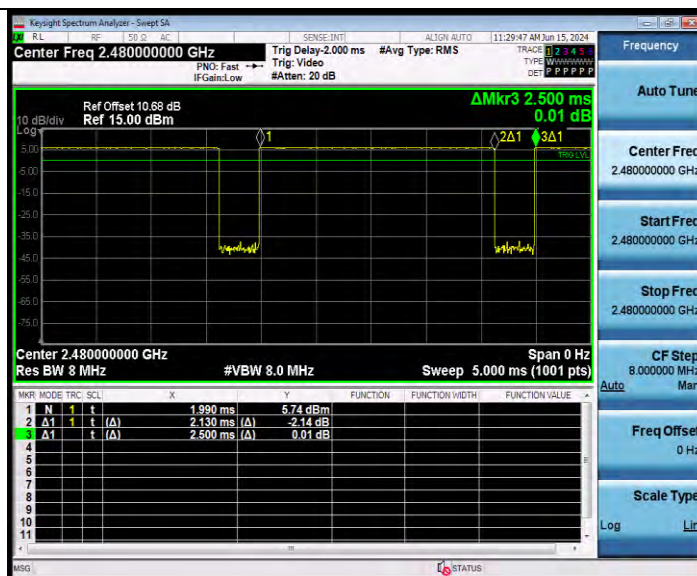


DUTY CYCLE TEST RESULT

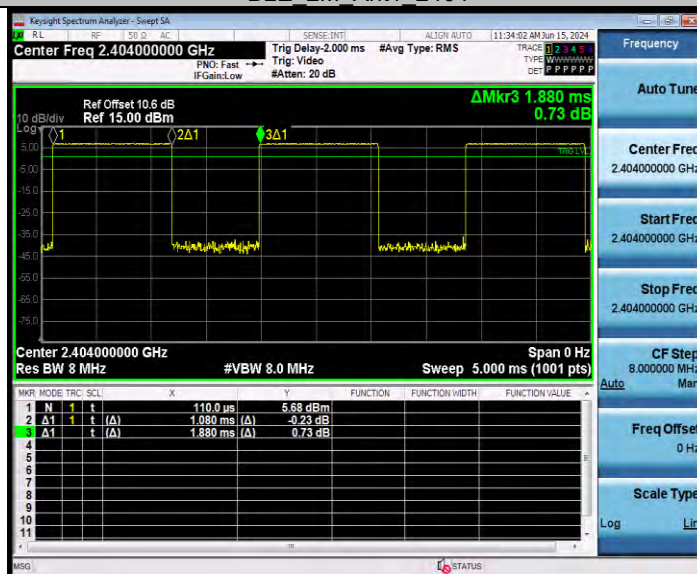
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
		2440	2.13	2.50	85.20	0.70
		2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2404	1.08	1.88	57.45	2.41
		2440	1.08	1.88	57.45	2.41
		2478	1.08	1.88	57.45	2.41
BLE_125K	Ant1	2402	17.05	17.50	97.43	0.11
		2440	17.05	17.50	97.43	0.11
		2480	17.05	17.50	97.43	0.11
BLE_500K	Ant1	2402	4.56	5.01	91.02	0.41
		2440	4.56	5.01	91.02	0.41
		2480	4.56	5.01	91.02	0.41



Reference No.: W7L-P24050018RF02



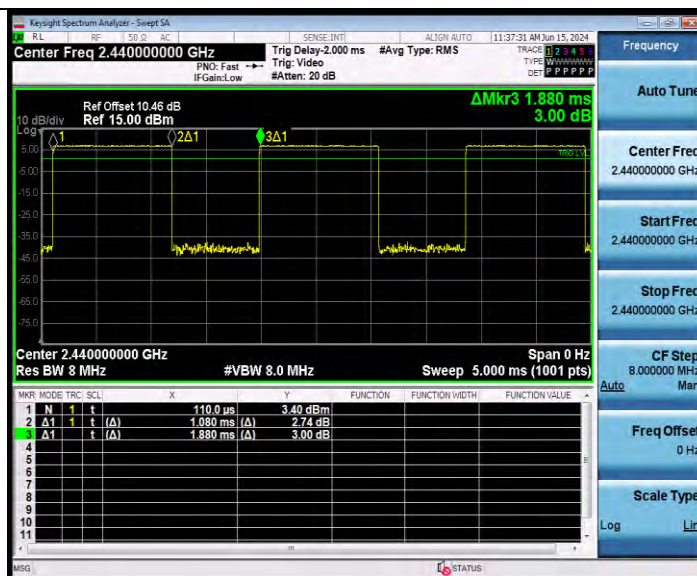
BLE 2M Ant1 2404



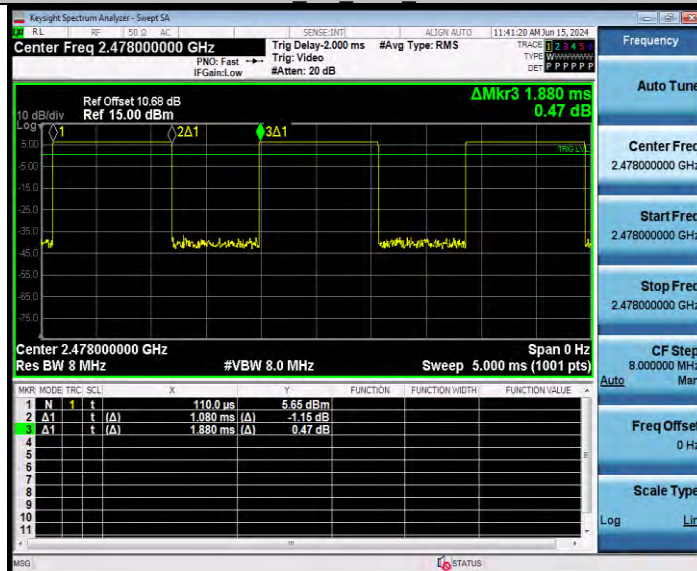
BLE 2M Ant1 2440



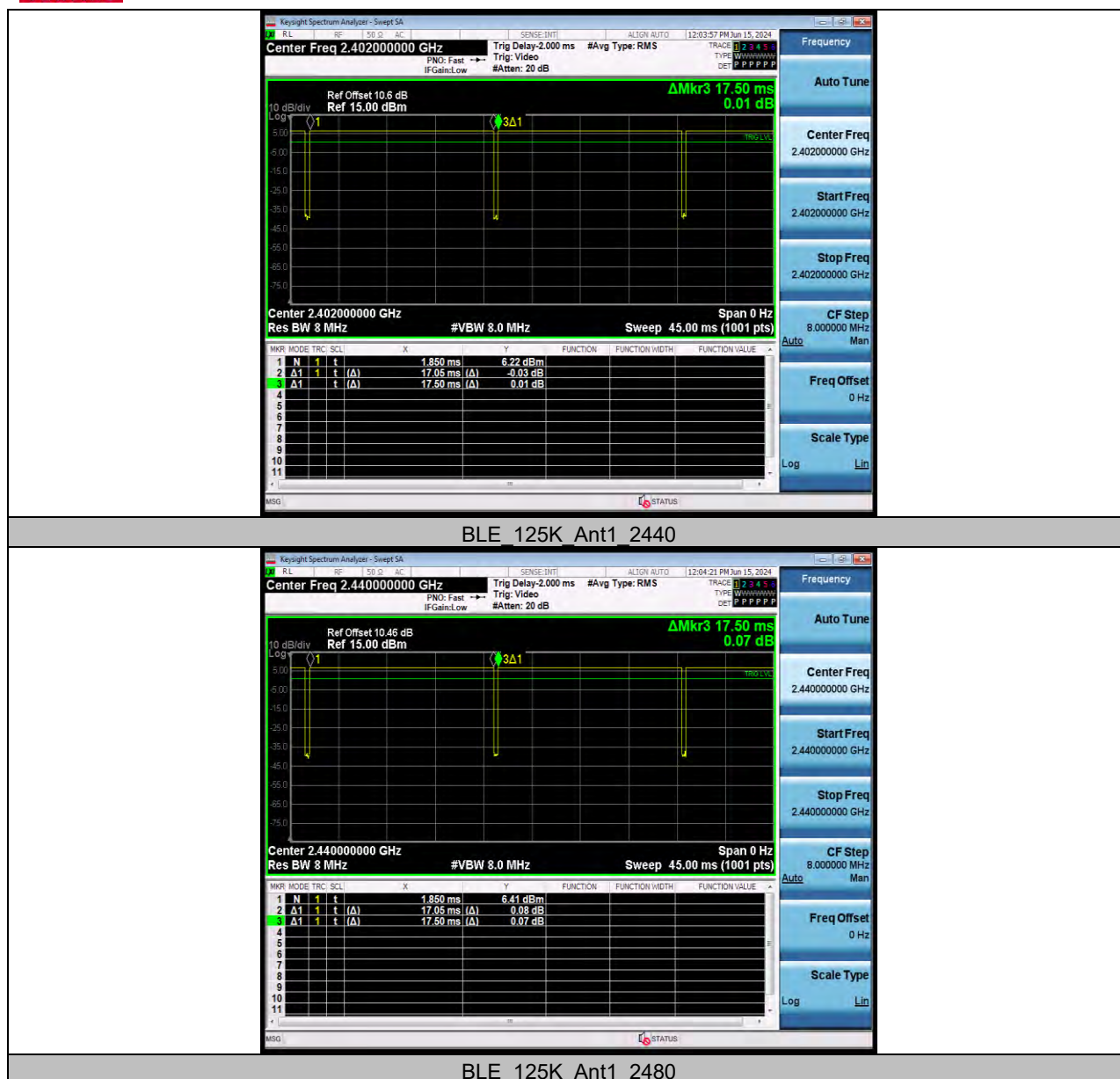
Reference No.: W7L-P24050018RF02



BLE 2M Ant1 2478



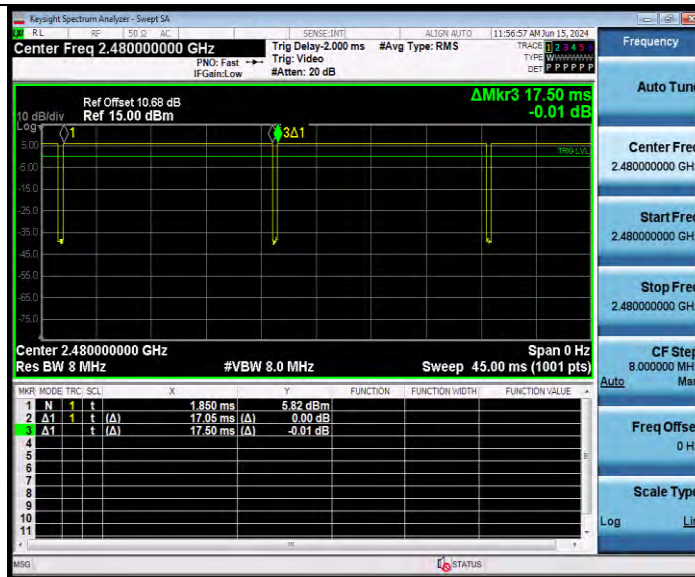
BLE 125K Ant1 2402



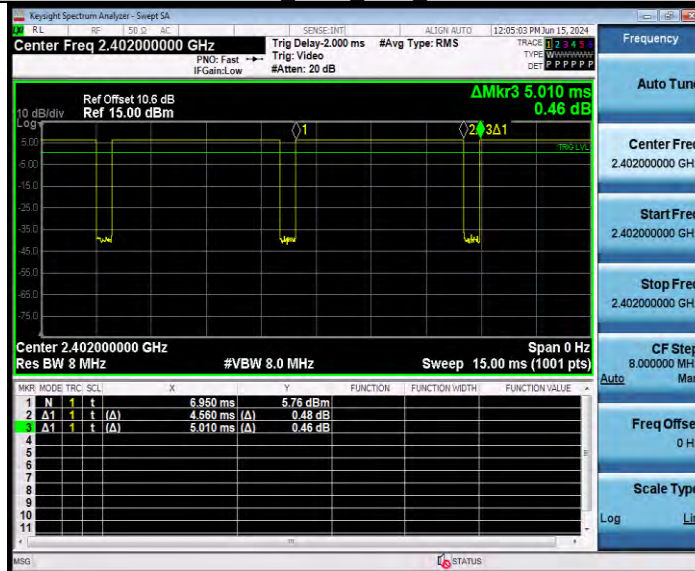


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VERITAS

Reference No.: W7L-P24050018RF02



BLE 500K Ant1 2402



BLE 500K Ant1 2440