



BUREAU
VERITAS

Reference No.: PSU-QSU2509010111RF02



BLE 125K Ant8 2440



BLE 125K Ant8 2480



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BLE 500K_Ant8_2402

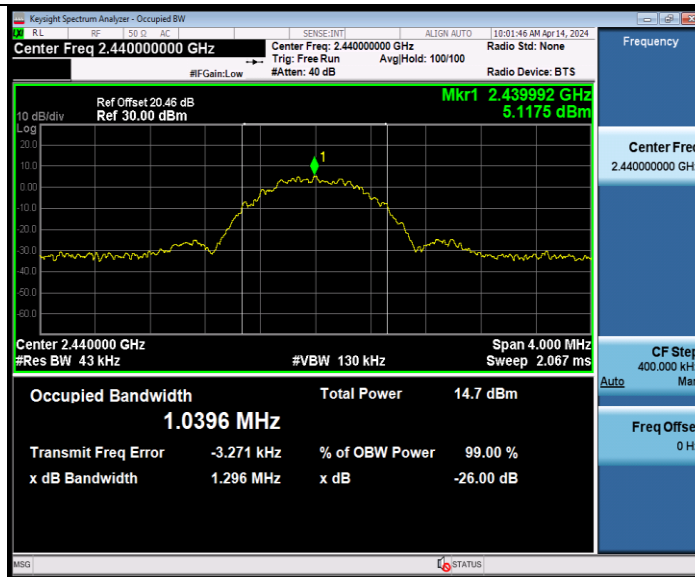


BLE 500K_Ant8_2440

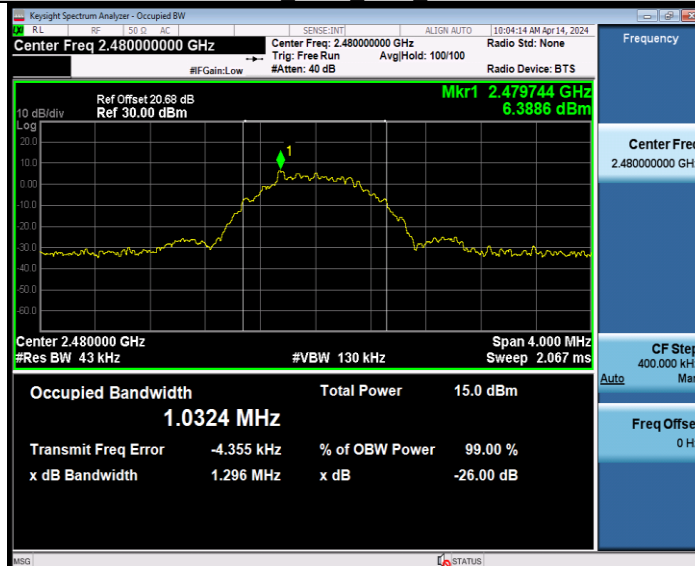


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BLE 500K Ant8 2480



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	Ant8	2402	7.27	7.38	5.47	≤30	7.78	6.00	≤36	PASS	Default
		2440	7.43	7.45	5.56	≤30	7.85	6.10	≤36	PASS	Default
		2480	7.34	7.4	5.50	≤30	7.8	6.03	≤36	PASS	Default
BLE_2M	Ant8	2404	6.04	7.51	5.64	≤30	7.91	6.18	≤36	PASS	Default
		2440	6.29	7.55	5.69	≤30	7.95	6.24	≤36	PASS	Default
		2478	6.02	7.51	5.64	≤30	7.91	6.18	≤36	PASS	Default
BLE_125k	Ant8	2402	7.27	7.36	5.45	≤30	7.76	5.97	≤36	PASS	Default
		2440	7.38	7.46	5.57	≤30	7.86	6.11	≤36	PASS	Default
		2480	7.28	7.38	5.47	≤30	7.78	6.00	≤36	PASS	Default
BLE_500K	Ant8	2402	7.15	7.37	5.46	≤30	7.77	5.98	≤36	PASS	Default
		2440	7.54	7.45	5.56	≤30	7.85	6.10	≤36	PASS	Default
		2480	7.43	7.4	5.50	≤30	7.8	6.03	≤36	PASS	Default
Note:EIRP=Peak Power+Gain											

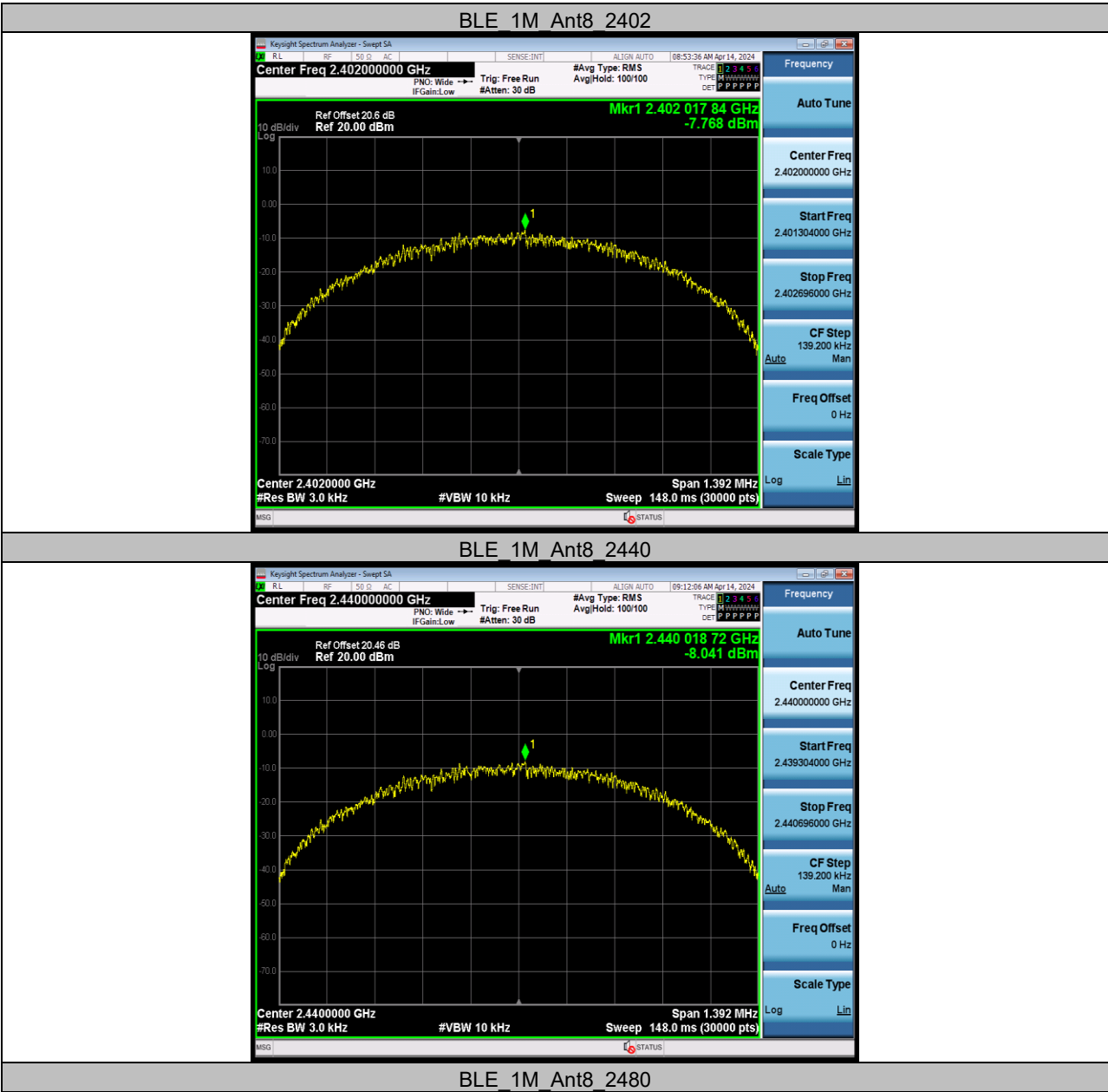
MAXIMUM POWER SPECTRAL DENSITY TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant8	2402	-7.77	≤8.00	PASS
		2440	-8.04	≤8.00	PASS
		2480	-7.99	≤8.00	PASS
BLE_2M	Ant8	2404	-9.26	≤8.00	PASS
		2440	-9.25	≤8.00	PASS
		2478	-9.25	≤8.00	PASS
BLE_125K	Ant8	2402	1.79	≤8.00	PASS
		2440	1.42	≤8.00	PASS
		2480	1.65	≤8.00	PASS
BLE_500K	Ant8	2402	1.56	≤8.00	PASS
		2440	1.35	≤8.00	PASS
		2480	1.57	≤8.00	PASS



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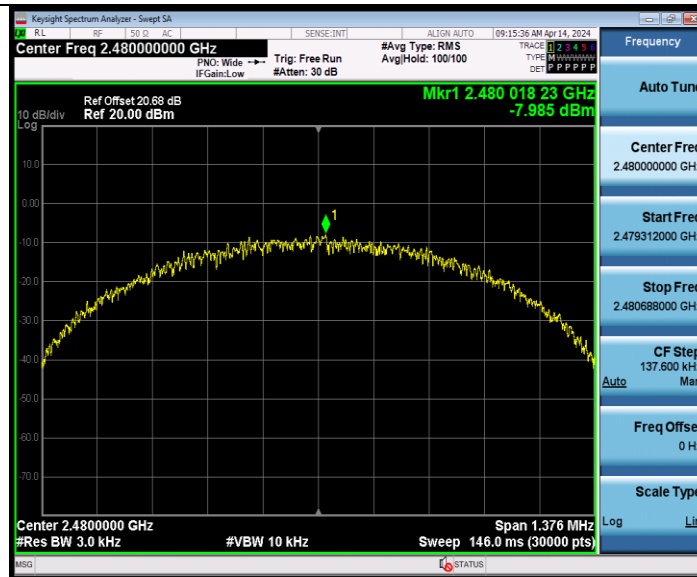
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BLE 2M Ant8 2404



BLE 2M Ant8 2440



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BLE 2M Ant8 2478

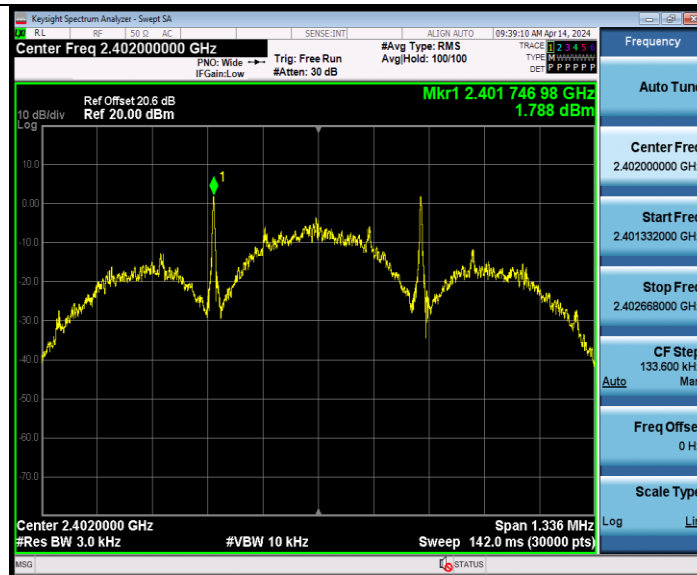


BLE 125K Ant8 2402

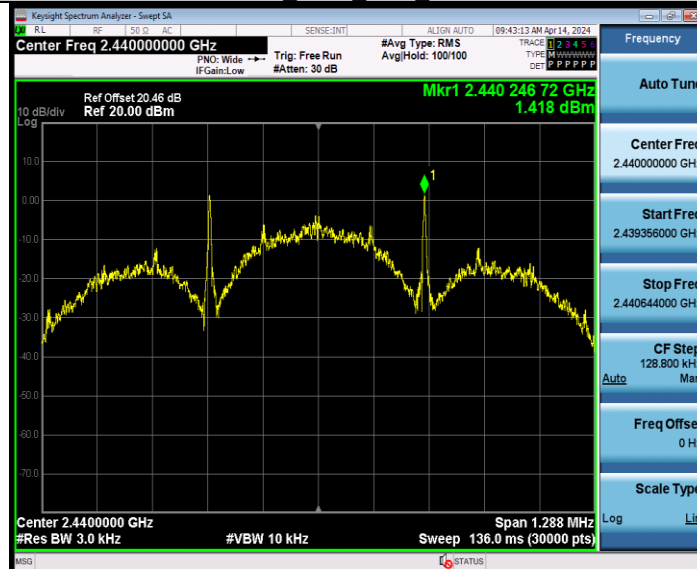


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Reference No.: PSU-QSU2509010111RF02



BLE 125K Ant8 2440

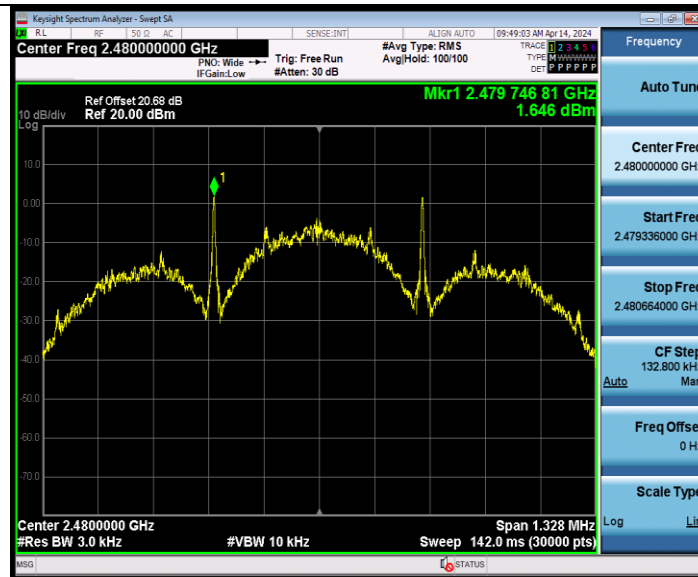


BLE 125K Ant8 2480

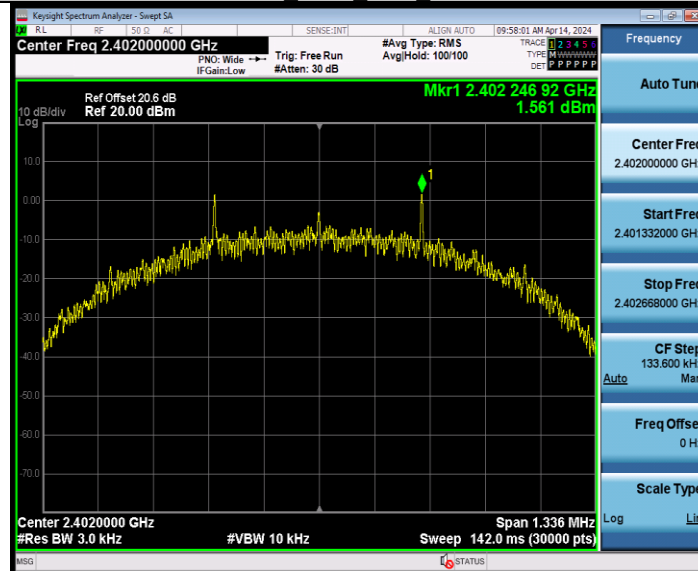


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Reference No.: PSU-QSU2509010111RF02



BLE 500K Ant8 2402

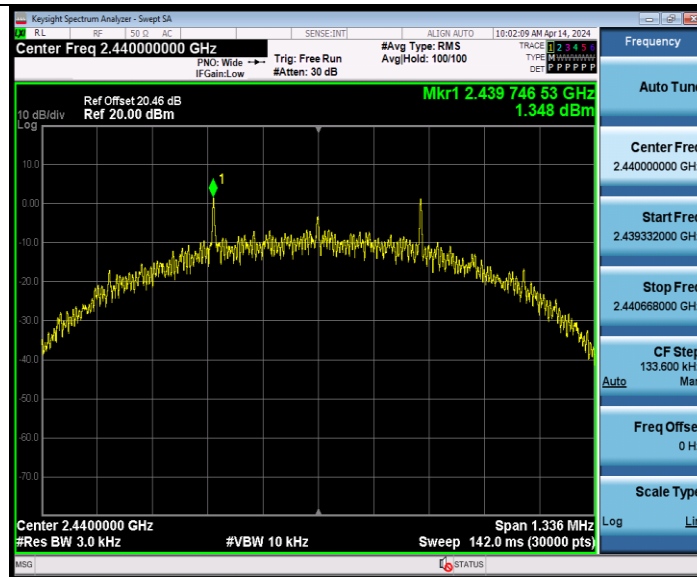


BLE 500K Ant8 2440

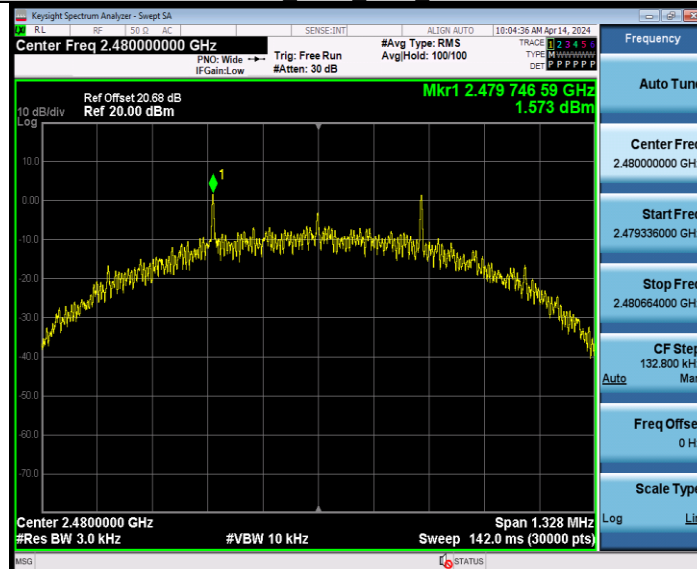


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Reference No.: PSU-QSU2509010111RF02



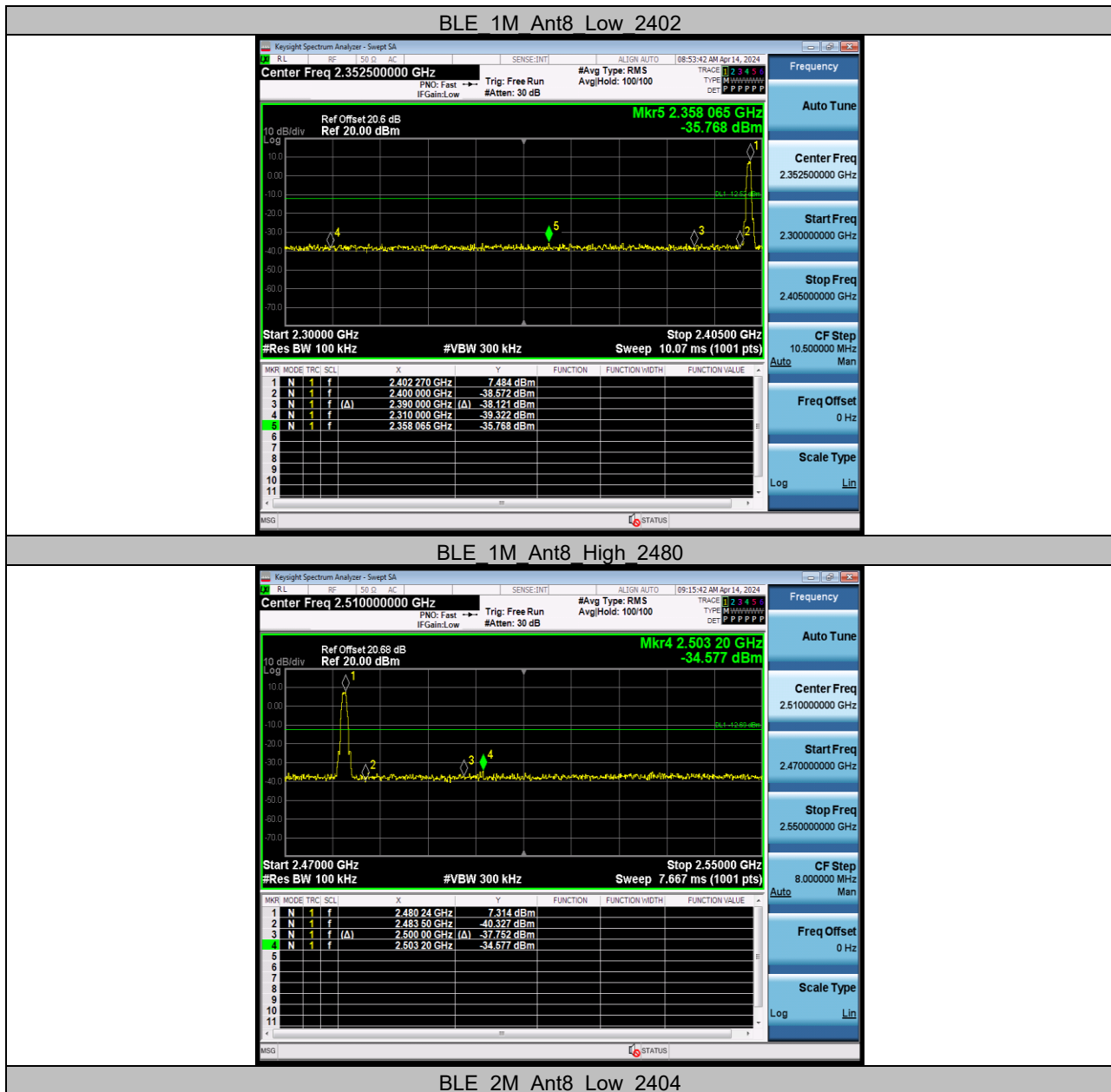
BLE 500K Ant8 2480



BAND EDGE MEASUREMENTS TEST RESULT

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant8	Low	2402	7.48	-35.77	≤-12.52	PASS
		High	2480	7.31	-34.58	≤-12.69	PASS
BLE_2M	Ant8	Low	2404	7.67	-34.87	≤-12.34	PASS
		High	2478	7.03	-34.59	≤-12.97	PASS
BLE_125K	Ant8	Low	2402	4.98	-34.97	≤-15.03	PASS
		High	2480	4.83	-35	≤-15.17	PASS
BLE_500K	Ant8	Low	2402	7.54	-35.01	≤-12.46	PASS
		High	2480	7.60	-34.59	≤-12.4	PASS

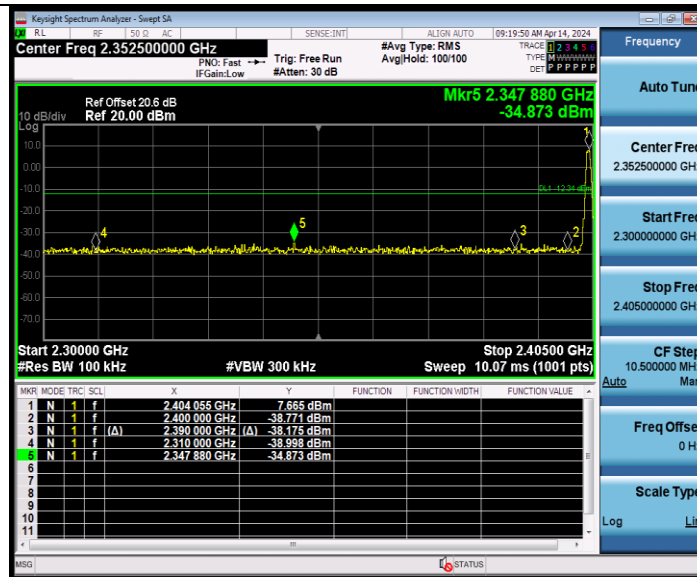
TEST GRAPHS



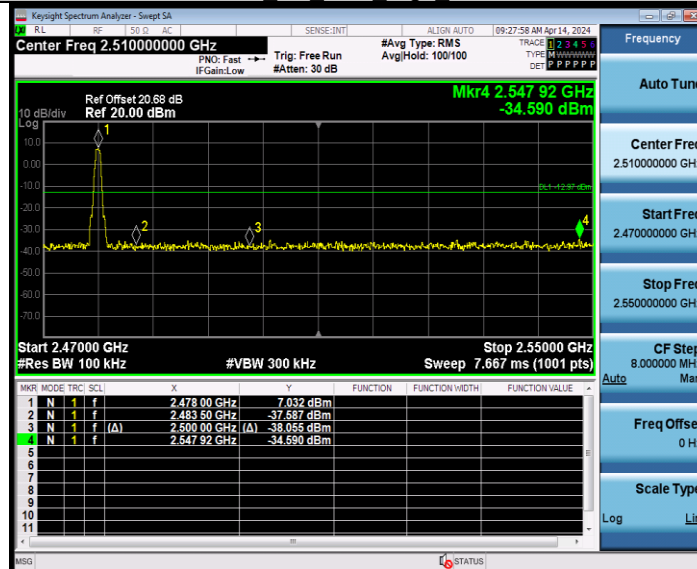


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Reference No.: PSU-QSU2509010111RF02



BLE 2M Ant8 High 2478

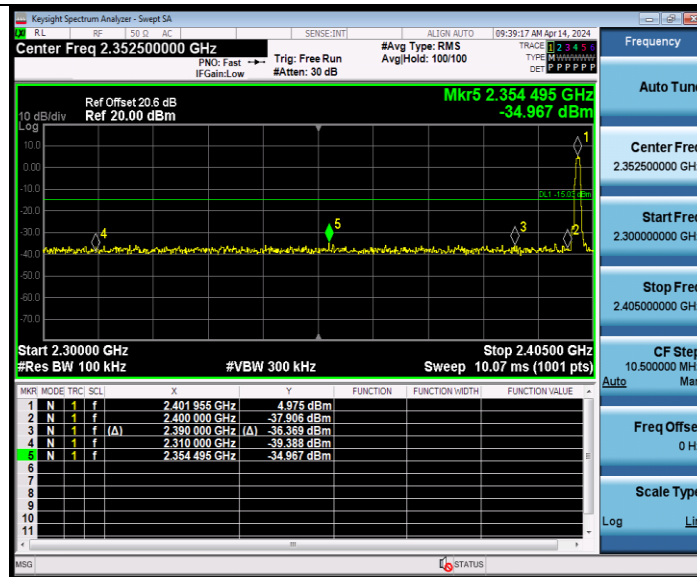


BLE 125K Ant8 Low 2402

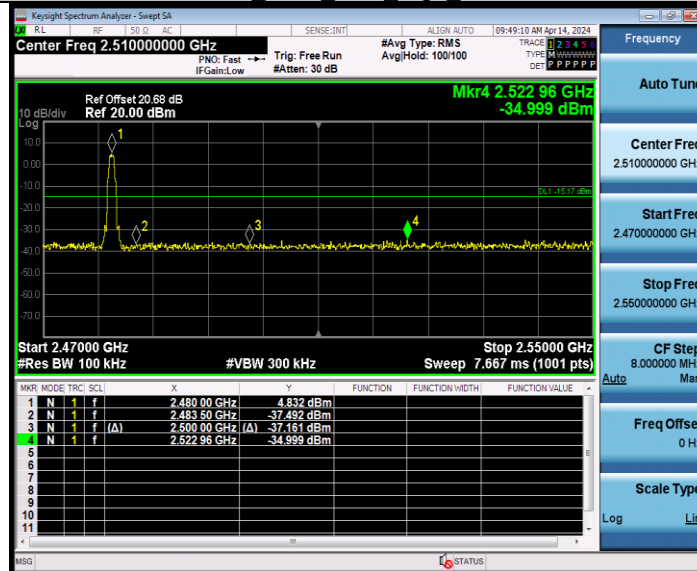


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VERITAS

Reference No.: PSU-QSU2509010111RF02



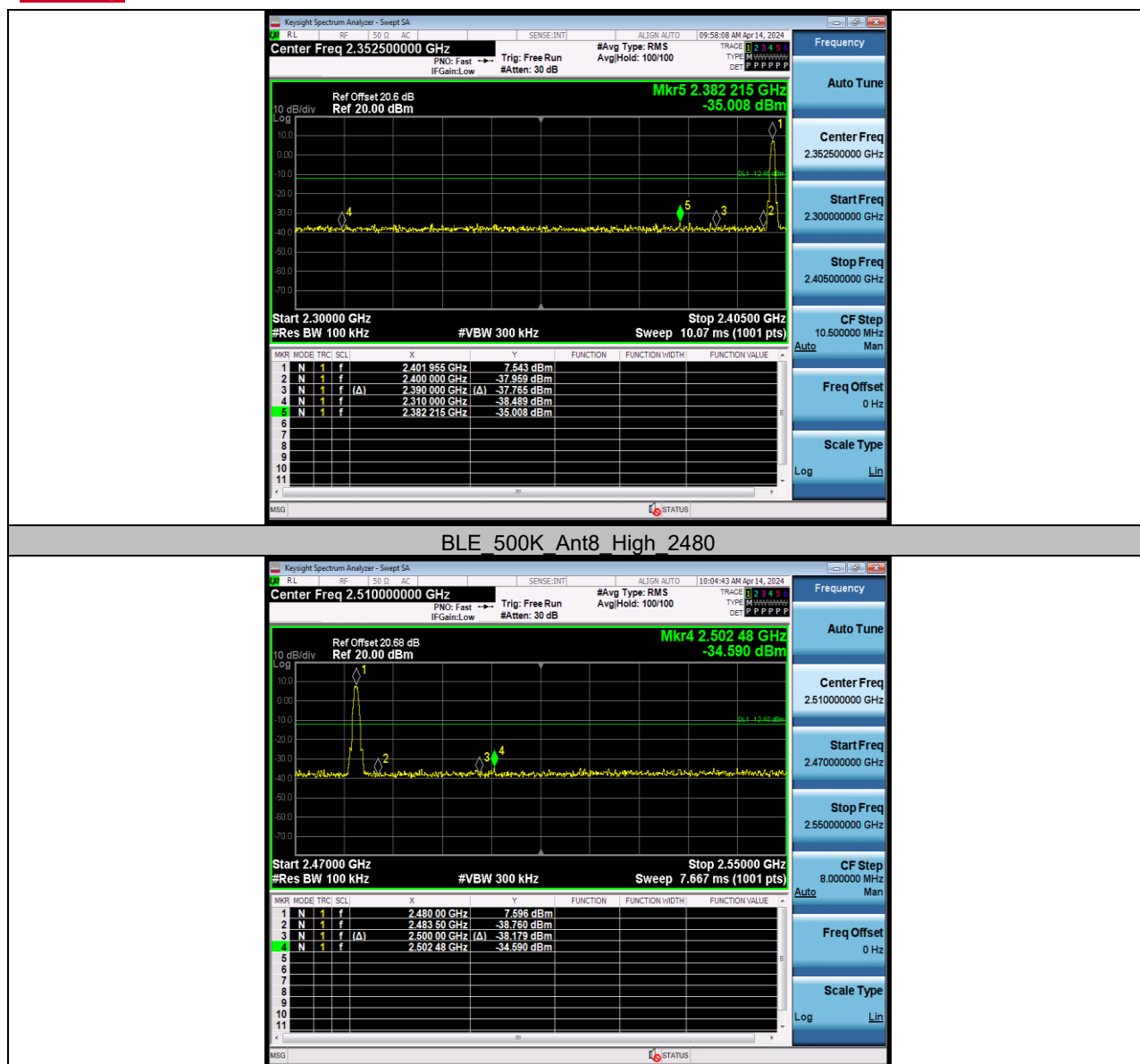
BLE 125K Ant8_High_2480



BLE 500K Ant8_Low_2402



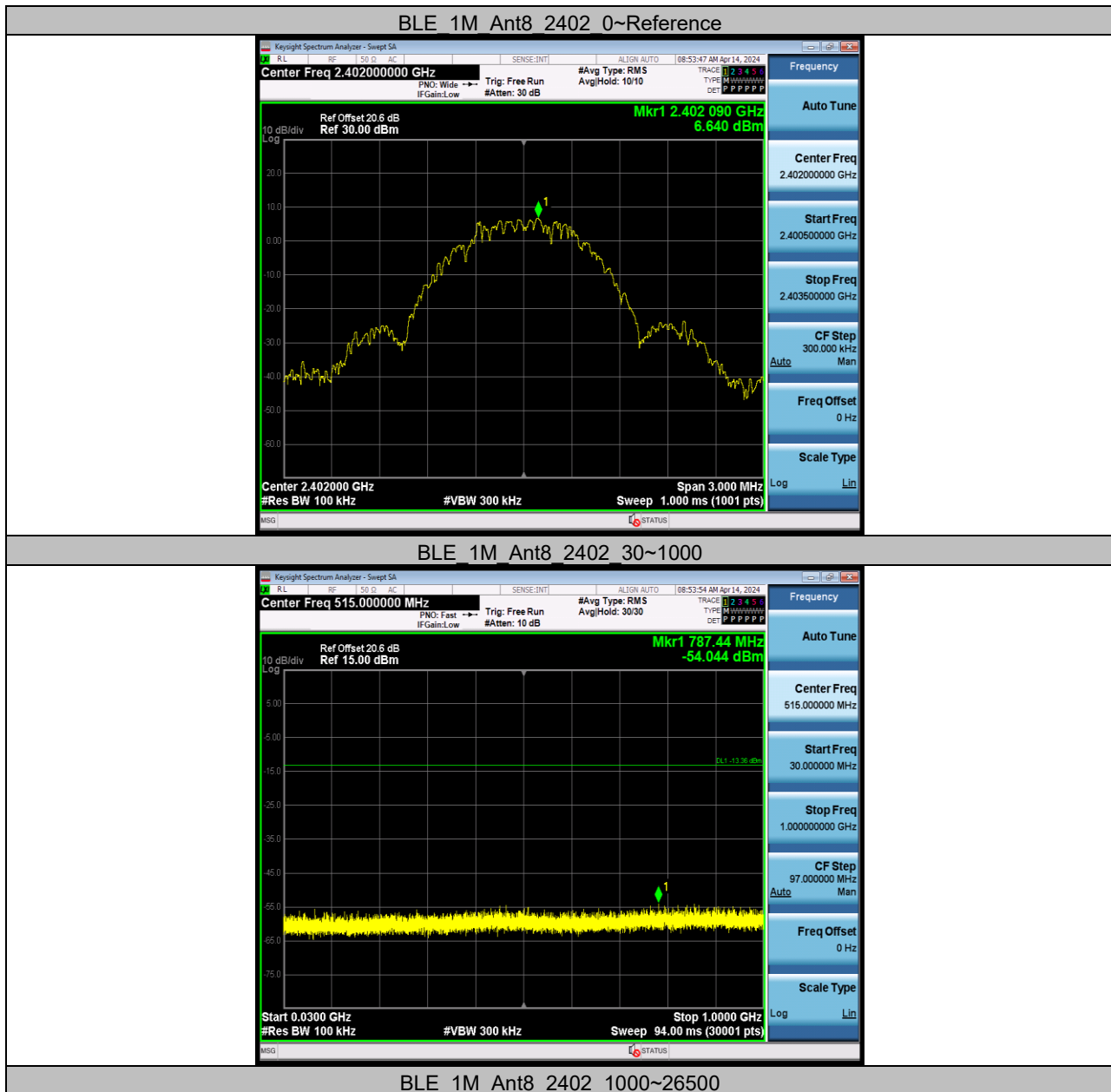
Reference No.: PSU-QSU2509010111RF02



CONDUCTED SPURIOUS EMISSION TEST RESULT

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant8	2402	Reference	6.64	6.64	---	PASS
			30~1000	6.64	-54.04	≤-13.36	PASS
			1000~26500	6.64	-34.63	≤-13.36	PASS
		2440	Reference	7.39	7.39	---	PASS
			30~1000	7.39	-54.49	≤-12.61	PASS
			1000~26500	7.39	-34.71	≤-12.61	PASS
		2480	Reference	6.39	6.39	---	PASS
			30~1000	6.39	-53.67	≤-13.61	PASS
			1000~26500	6.39	-34.12	≤-13.61	PASS
BLE_2M	Ant8	2404	Reference	6.10	6.10	---	PASS
			30~1000	6.10	-57.13	≤-13.9	PASS
			1000~26500	6.10	-37.78	≤-13.9	PASS
		2440	Reference	5.66	5.66	---	PASS
			30~1000	5.66	-57.23	≤-14.34	PASS
			1000~26500	5.66	-38.03	≤-14.34	PASS
		2478	Reference	8.03	8.03	---	PASS
			30~1000	8.03	-57.29	≤-11.97	PASS
			1000~26500	8.03	-37.85	≤-11.97	PASS
BLE_125K	Ant8	2402	Reference	4.68	4.68	---	PASS
			30~1000	4.68	-53.62	≤-15.32	PASS
			1000~26500	4.68	-35.3	≤-15.32	PASS
		2440	Reference	4.55	4.55	---	PASS
			30~1000	4.55	-53.75	≤-15.45	PASS
			1000~26500	4.55	-35.03	≤-15.45	PASS
		2480	Reference	4.79	4.79	---	PASS
			30~1000	4.79	-40.73	≤-15.21	PASS
			1000~26500	4.79	-34.37	≤-15.21	PASS
BLE_500K	Ant8	2402	Reference	6.75	6.75	---	PASS
			30~1000	6.75	-52.62	≤-13.25	PASS
			1000~26500	6.75	-34.28	≤-13.25	PASS
		2440	Reference	6.38	6.38	---	PASS
			30~1000	6.38	-54.19	≤-13.62	PASS
			1000~26500	6.38	-33.58	≤-13.62	PASS
		2480	Reference	6.33	6.33	---	PASS
			30~1000	6.33	-53.75	≤-13.67	PASS
			1000~26500	6.33	-34.55	≤-13.67	PASS

TEST GRAPHS





Reference No.: PSU-QSU2509010111RF02



BLE 1M Ant8 2440 0~Reference

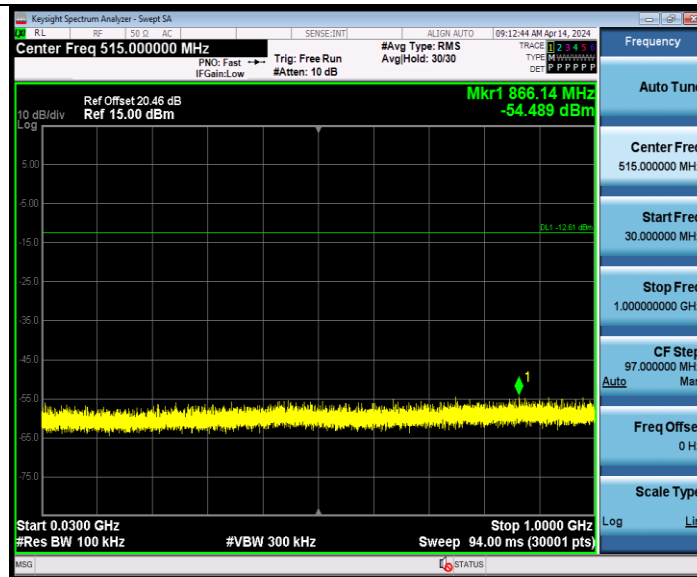


BLE 1M Ant8 2440 30~1000

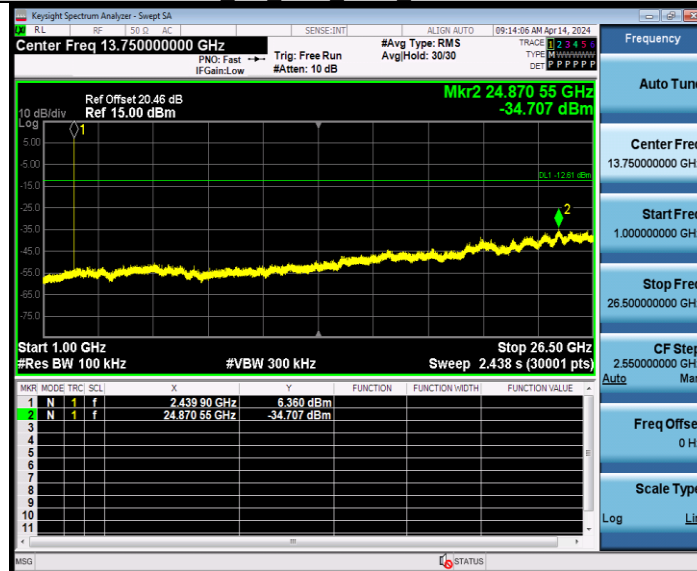


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BLE 1M Ant8 2440 1000~26500



BLE 1M Ant8 2480 0~Reference

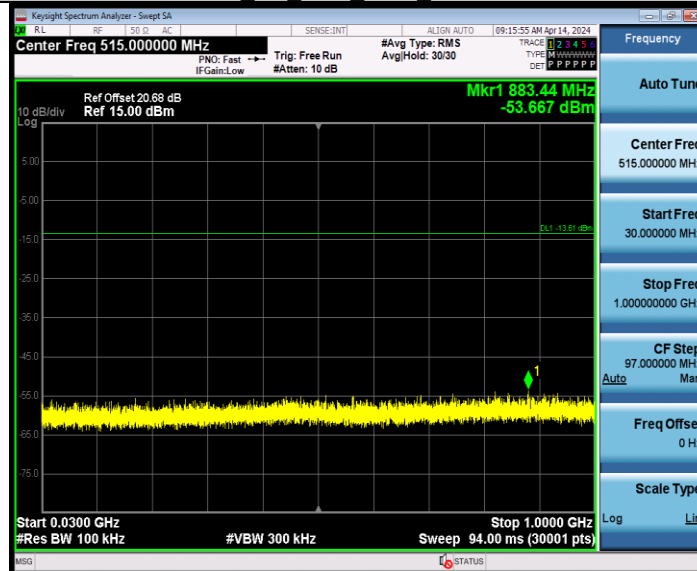


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BLE 1M Ant8 2480 30~1000



BLE 1M Ant8 2480 1000~26500



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Reference No.: PSU-QSU2509010111RF02



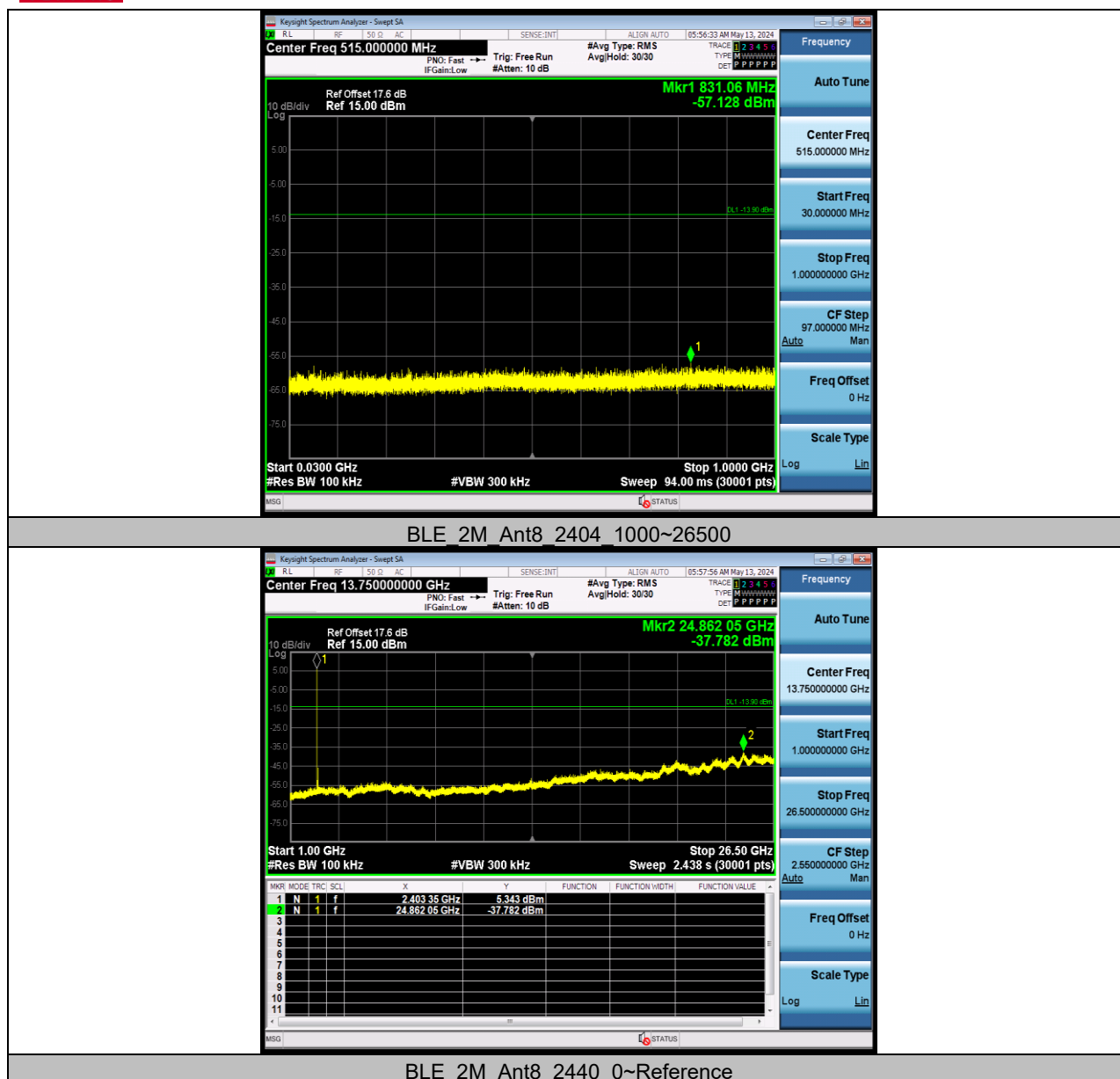
BLE 2M Ant8 2404 0~Reference



BLE 2M Ant8 2404 30~1000

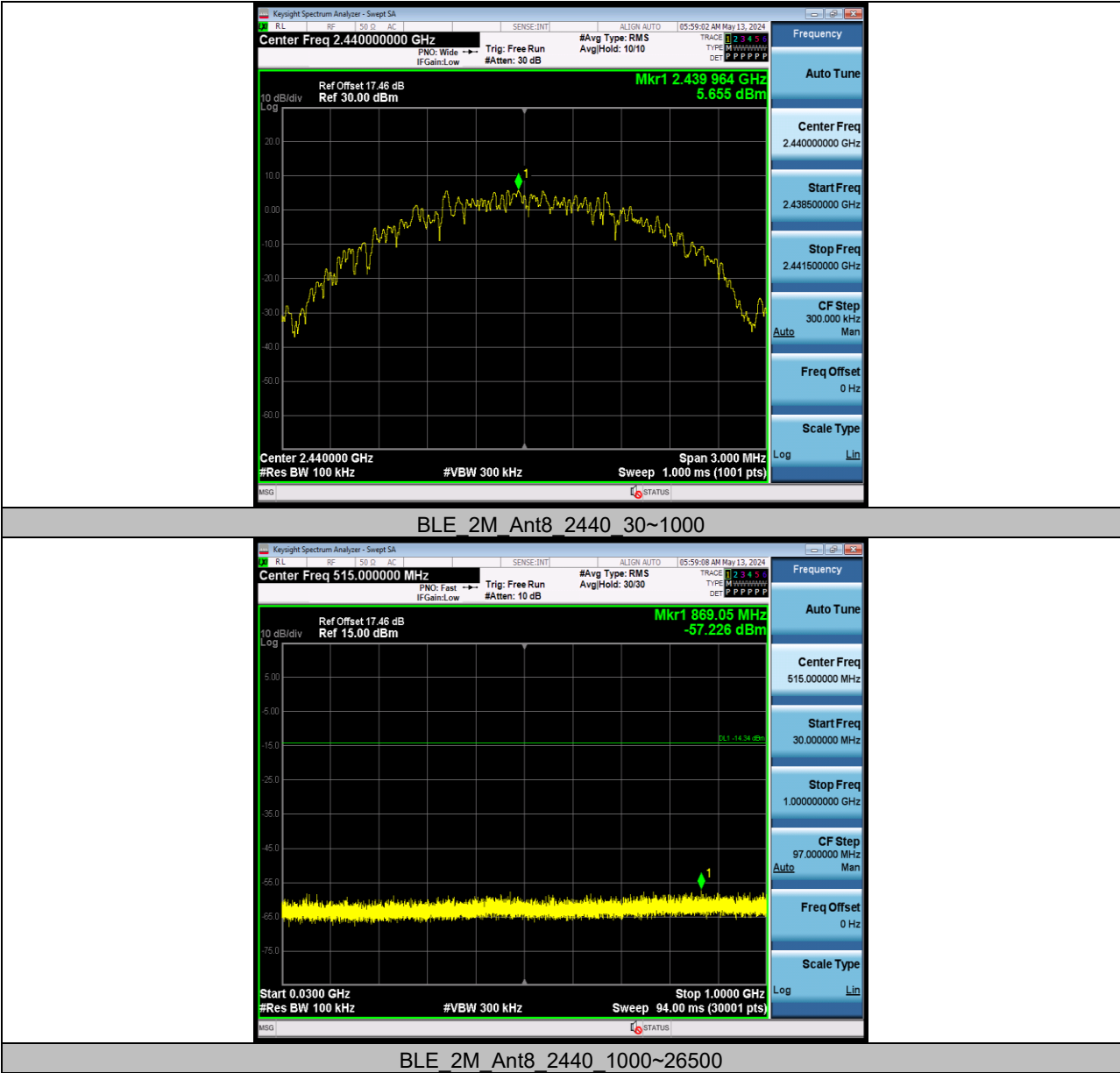


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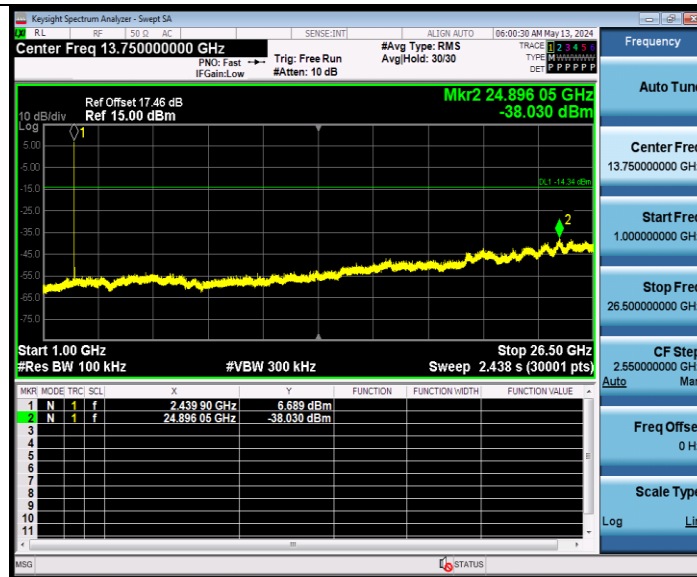
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Reference No.: PSU-QSU2509010111RF02



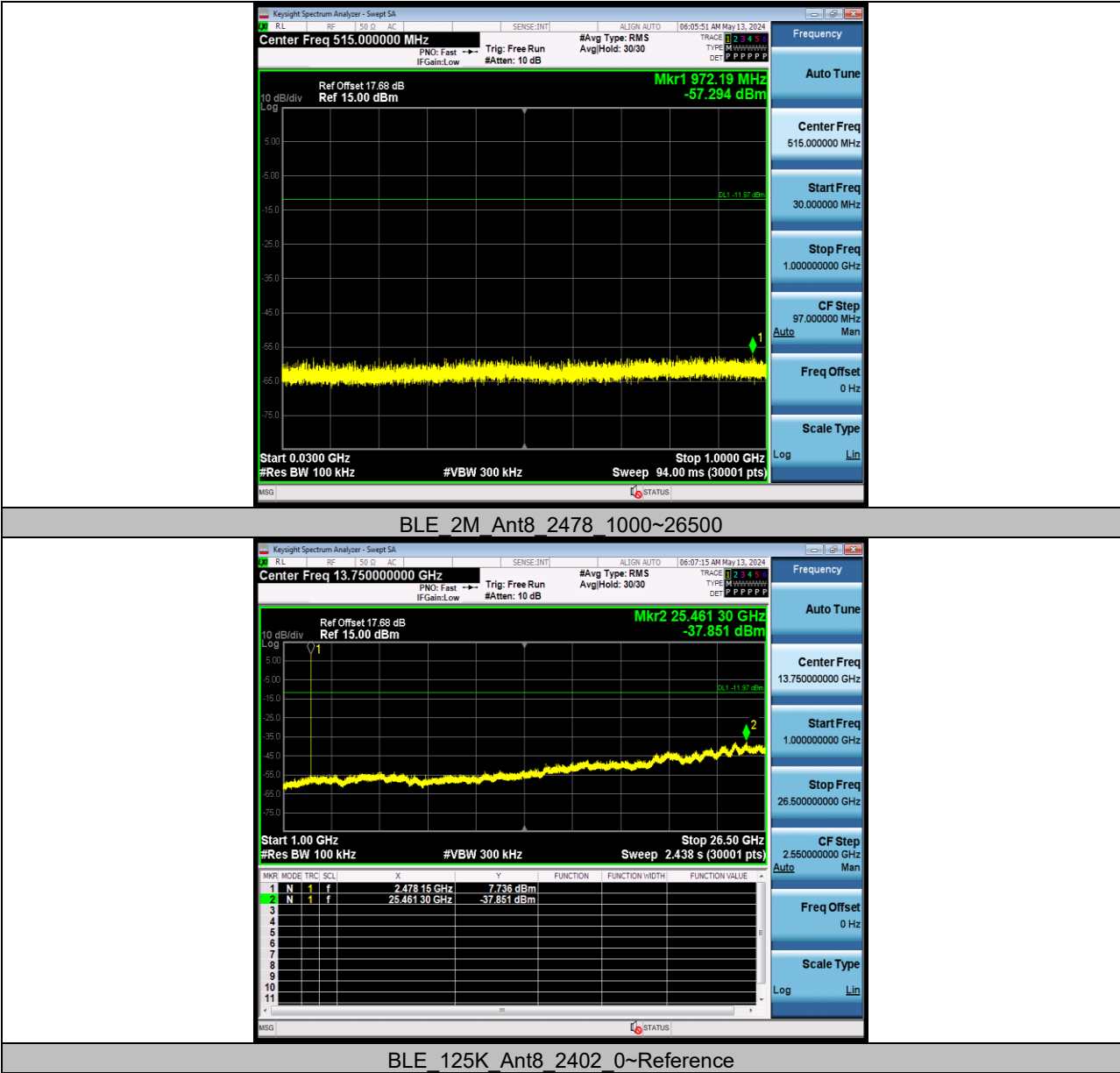
BLE 2M Ant8 2478 0~Reference



BLE 2M Ant8 2478 30~1000



Reference No.: PSU-QSU2509010111RF02

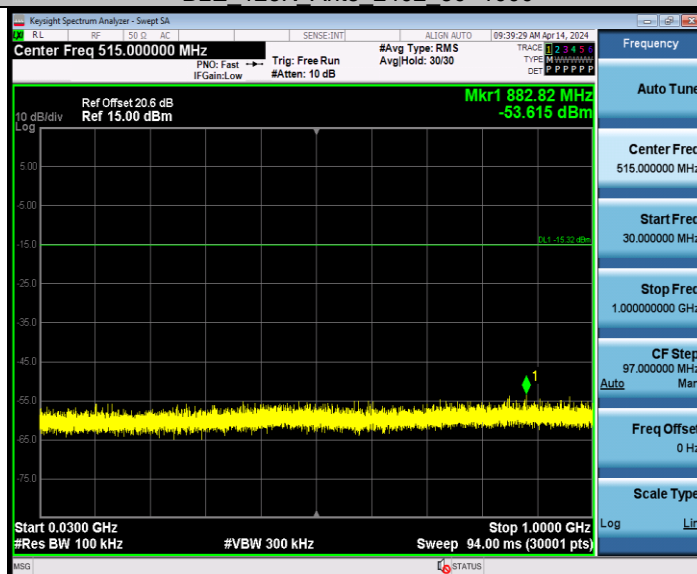




Reference No.: PSU-QSU2509010111RF02



BLE 125K Ant8 2402 30~1000

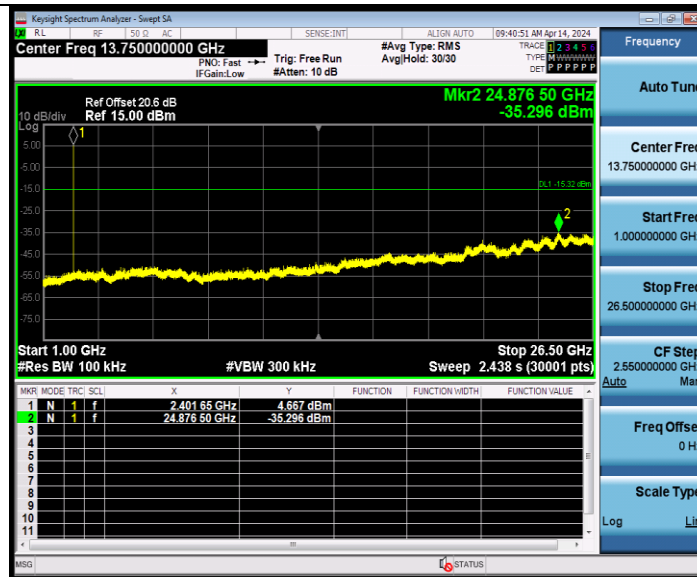


BLE 125K Ant8 2402 1000~26500



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VERITAS

Reference No.: PSU-QSU2509010111RF02



BLE 125K Ant8 2440 0~Reference

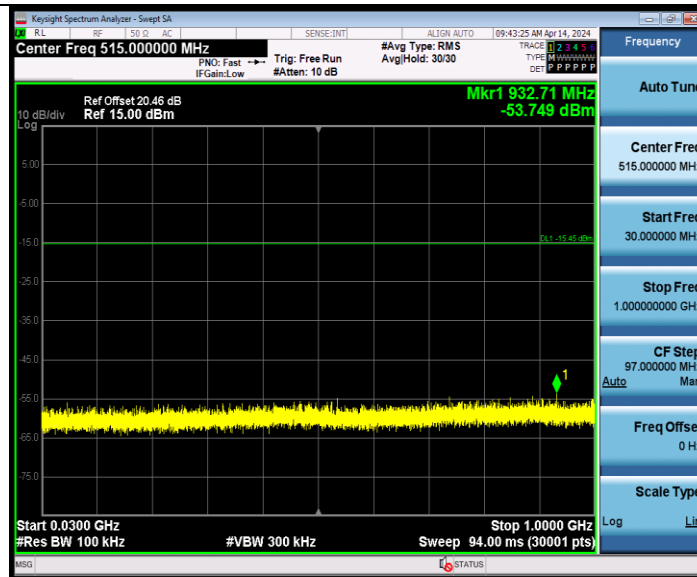


BLE 125K Ant8 2440 30~1000

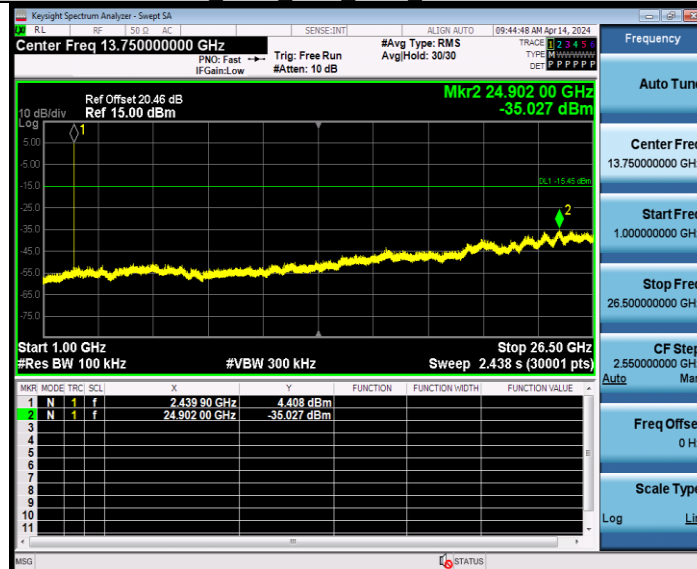


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Reference No.: PSU-QSU2509010111RF02



BLE_125K_Ant8_2440_1000~26500



BLE_125K_Ant8_2480_0~Reference

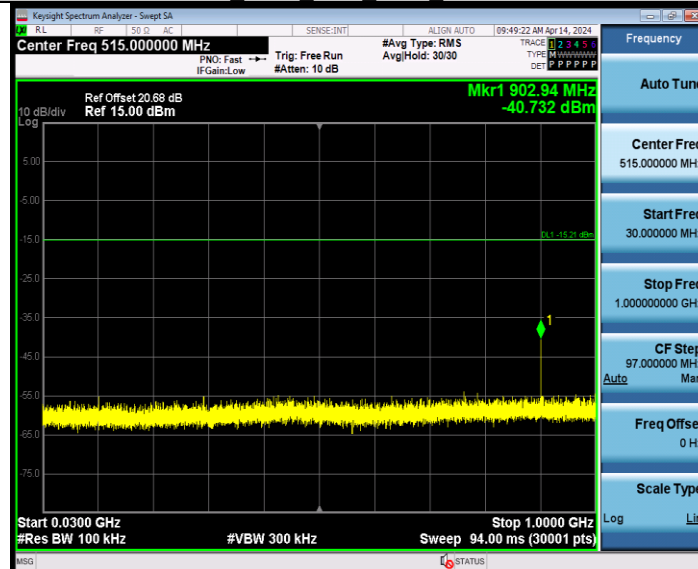


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VERITAS

Reference No.: PSU-QSU2509010111RF02



BLE 125K Ant8 2480 30~1000

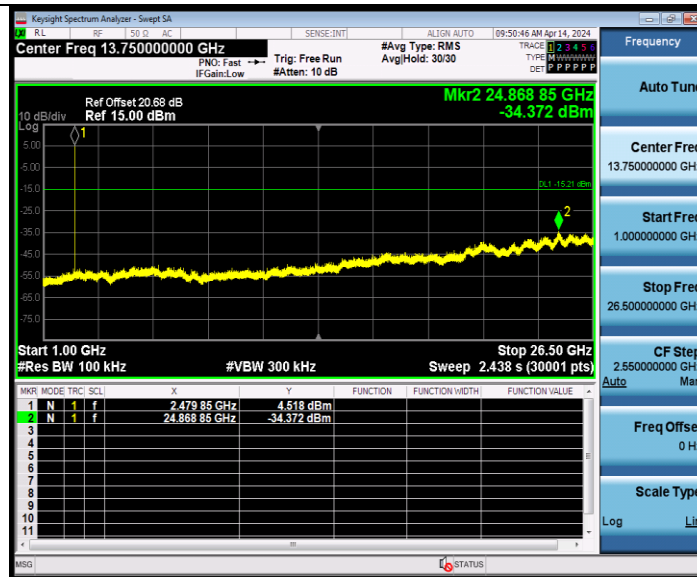


BLE 125K Ant8 2480 1000~26500



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VERITAS

Reference No.: PSU-QSU2509010111RF02



BLE 500K Ant8 2402 0~Reference



BLE 500K Ant8 2402 30~1000