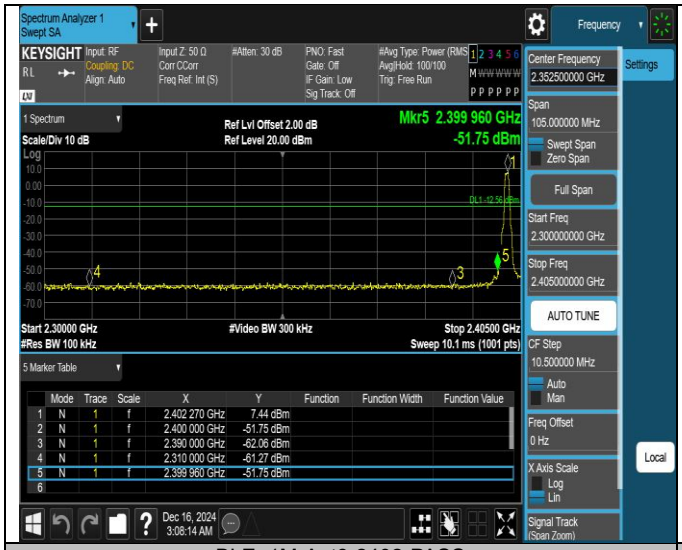
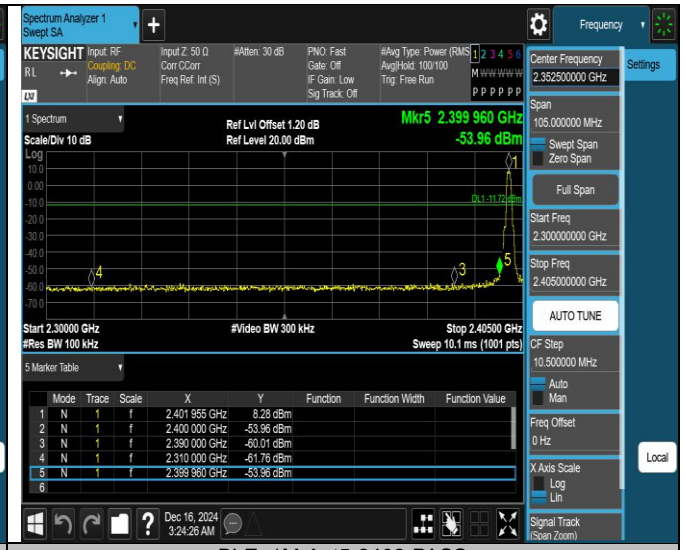
Test Graphs

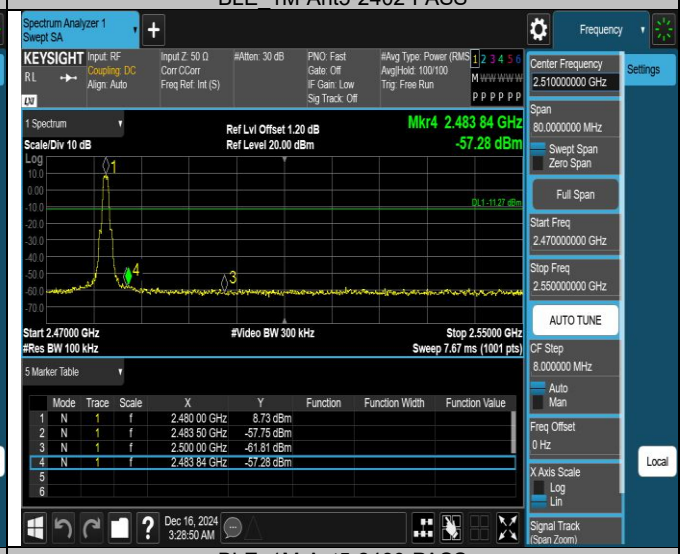


BLE_1M-Ant8-2402-PASS

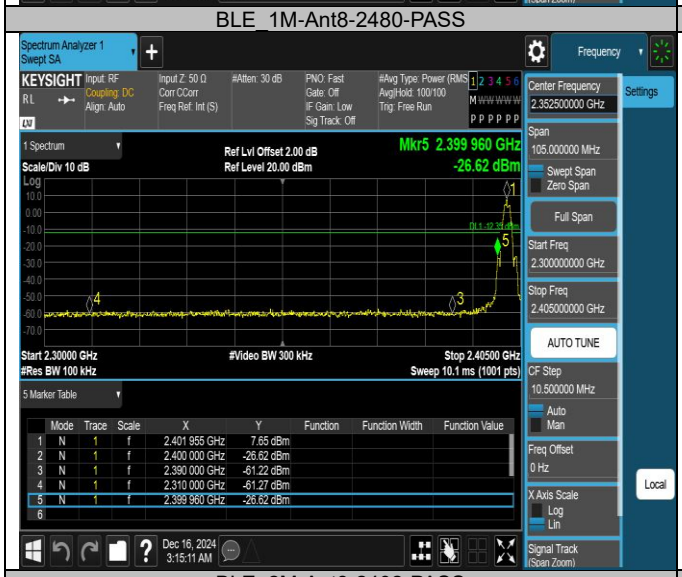


BLE_1M-Ant5-2402-PASS

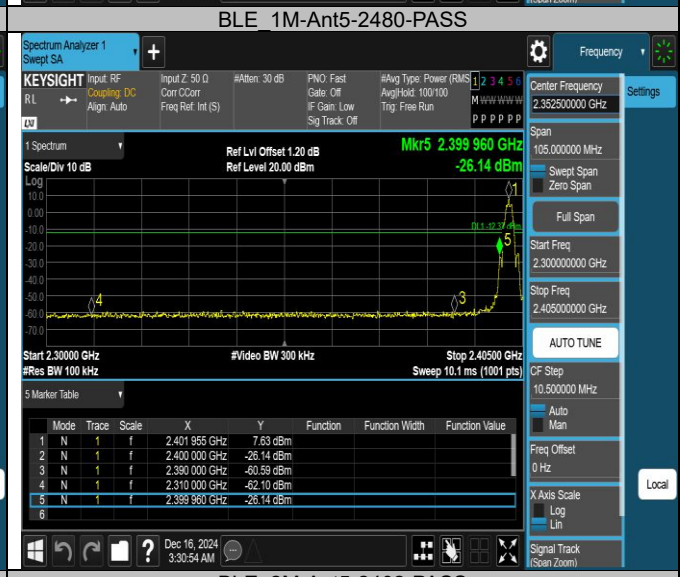
BLE_1M-Ant8-2480-PASS



BLE_1M-Ant5-2480-PASS



BLE_2M-Ant8-2402-PASS



BLE_2M-Ant5-2402-PASS

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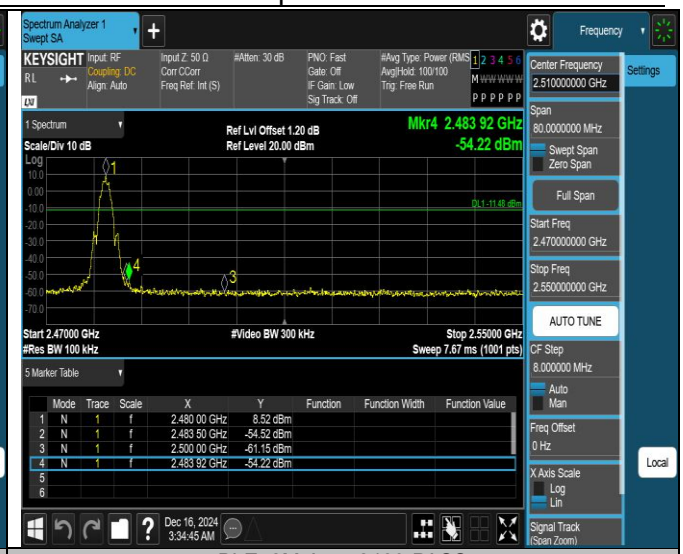
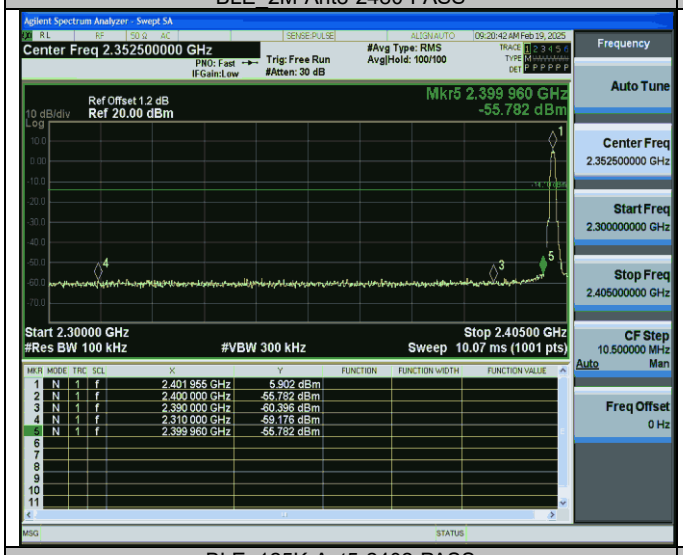
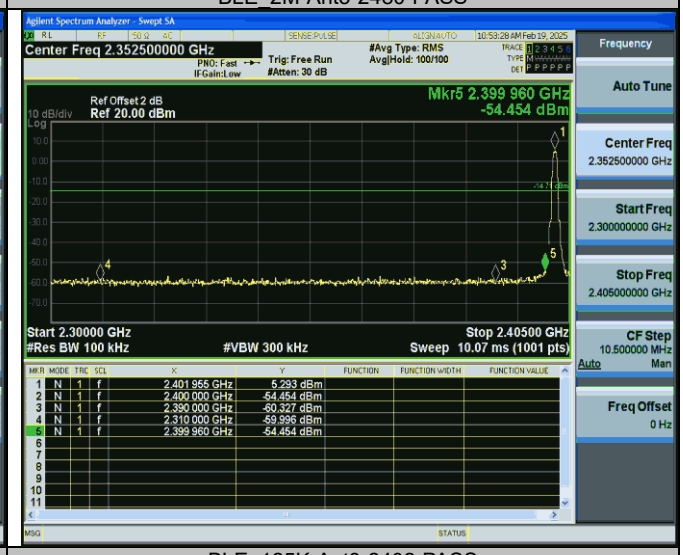
BLE_2M-Ant8-2480-PASS



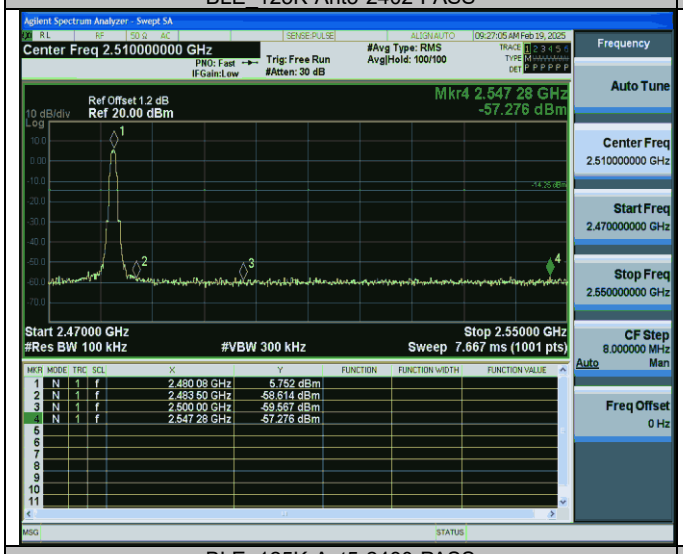
BLE_2M-Ant5-2480-PASS



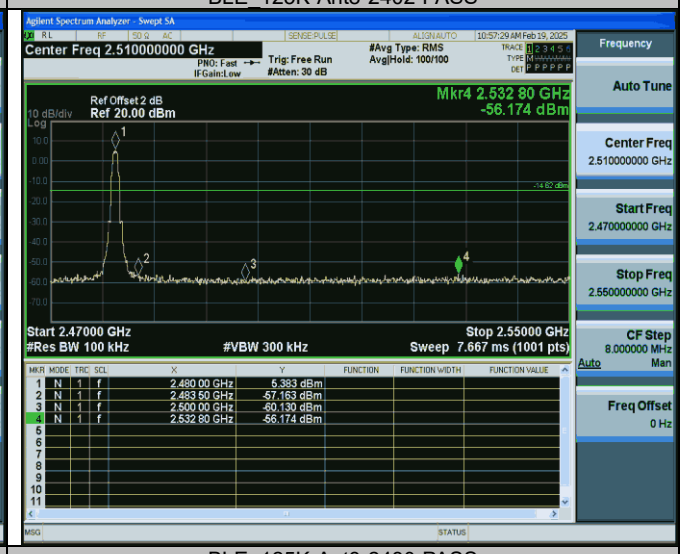
BLE_125K-Ant5-2402-PASS



BLE_125K-Ant8-2402-PASS



BLE_125K-Ant5-2480-PASS



BLE_125K-Ant8-2480-PASS

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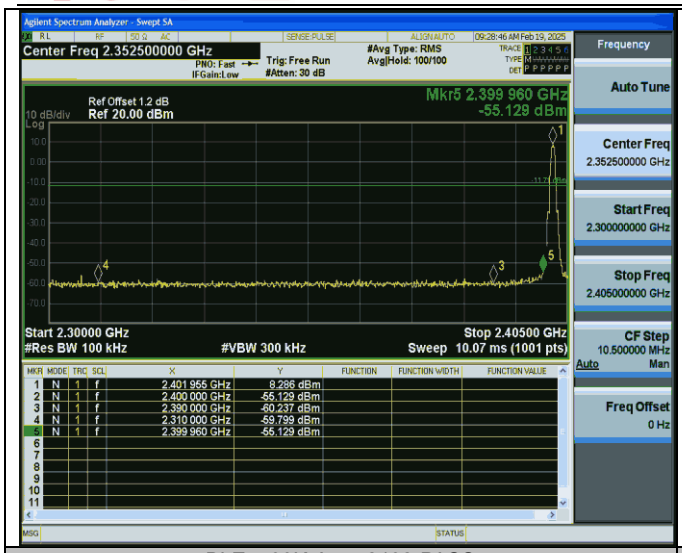
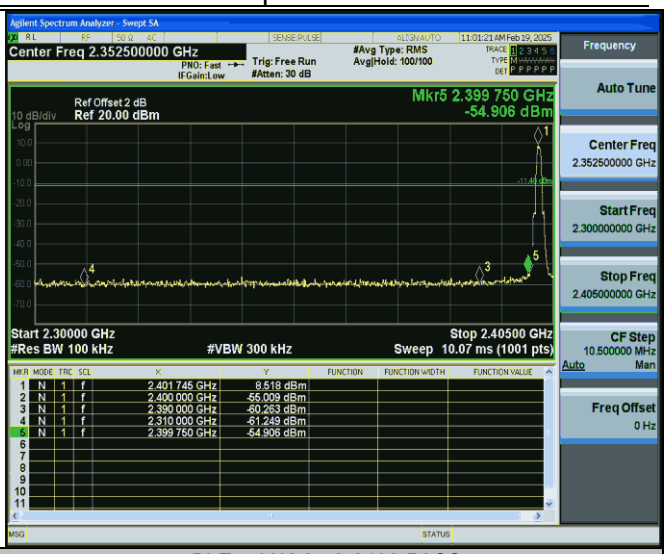
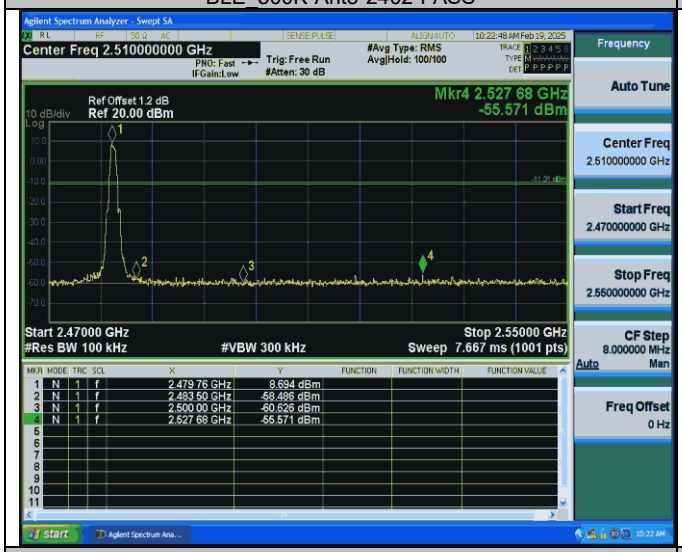


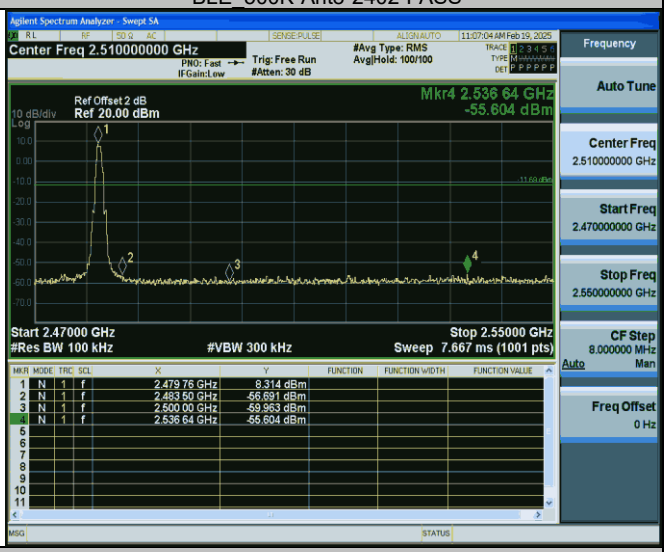
BLE_500K-Ant5-2402-PASS



BLE_500K-Ant8-2402-PASS



BLE_500K-Ant5-2480-PASS



BLE_500K-Ant8-2480-PASS

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Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant8	2402	0~Reference	7.65	7.65	---	PASS
BLE_1M	Ant5	2402	0~Reference	7.76	7.76	---	PASS
BLE_1M	Ant8	2402	30~1000	7.65	-58.82	≤-12.35	PASS
BLE_1M	Ant5	2402	30~1000	7.76	-59.27	≤-12.24	PASS
BLE_1M	Ant8	2402	1000~26500	7.65	-50.31	≤-12.35	PASS
BLE_1M	Ant5	2402	1000~26500	7.76	-50.46	≤-12.24	PASS
BLE_1M	Ant8	2440	0~Reference	7.76	7.76	---	PASS
BLE_1M	Ant5	2440	0~Reference	8.13	8.13	---	PASS
BLE_1M	Ant8	2440	30~1000	7.76	-58.98	≤-12.24	PASS
BLE_1M	Ant5	2440	30~1000	8.13	-59.94	≤-11.87	PASS
BLE_1M	Ant8	2440	1000~26500	7.76	-49.63	≤-12.24	PASS
BLE_1M	Ant5	2440	1000~26500	8.13	-50.67	≤-11.87	PASS
BLE_1M	Ant8	2480	0~Reference	8.10	8.10	---	PASS
BLE_1M	Ant5	2480	0~Reference	8.40	8.40	---	PASS
BLE_1M	Ant8	2480	30~1000	8.10	-58.84	≤-11.9	PASS
BLE_1M	Ant5	2480	30~1000	8.40	-60.28	≤-11.6	PASS
BLE_1M	Ant8	2480	1000~26500	8.10	-49.79	≤-11.9	PASS
BLE_1M	Ant5	2480	1000~26500	8.40	-50.1	≤-11.6	PASS
BLE_2M	Ant8	2402	0~Reference	7.63	7.63	---	PASS
BLE_2M	Ant5	2402	0~Reference	8.04	8.04	---	PASS
BLE_2M	Ant8	2402	30~1000	7.63	-59.75	≤-12.37	PASS
BLE_2M	Ant5	2402	30~1000	8.04	-59.67	≤-11.96	PASS
BLE_2M	Ant8	2402	1000~26500	7.63	-49.64	≤-12.37	PASS
BLE_2M	Ant5	2402	1000~26500	8.04	-50.4	≤-11.96	PASS
BLE_2M	Ant8	2440	0~Reference	7.74	7.74	---	PASS
BLE_2M	Ant5	2440	0~Reference	8.19	8.19	---	PASS
BLE_2M	Ant8	2440	30~1000	7.74	-59.32	≤-12.26	PASS
BLE_2M	Ant5	2440	30~1000	8.19	-59.09	≤-11.81	PASS
BLE_2M	Ant8	2440	1000~26500	7.74	-50.02	≤-12.26	PASS
BLE_2M	Ant5	2440	1000~26500	8.19	-49.92	≤-11.81	PASS
BLE_2M	Ant8	2480	0~Reference	8.12	8.12	---	PASS
BLE_2M	Ant5	2480	0~Reference	8.03	8.03	---	PASS
BLE_2M	Ant8	2480	30~1000	8.12	-59.24	≤-11.88	PASS
BLE_2M	Ant5	2480	30~1000	8.03	-60.39	≤-11.97	PASS
BLE_2M	Ant8	2480	1000~26500	8.12	-49.63	≤-11.88	PASS
BLE_2M	Ant5	2480	1000~26500	8.03	-50.42	≤-11.97	PASS
BLE_125K	Ant5	2402	0~Reference	6.98	6.98	---	PASS
BLE_125K	Ant8	2402	0~Reference	7.92	7.92	---	PASS
BLE_125K	Ant5	2402	30~1000	6.98	-52.43	≤-13.02	PASS
BLE_125K	Ant8	2402	30~1000	7.92	-61.77	≤-12.08	PASS
BLE_125K	Ant5	2402	1000~26500	6.98	-49.7	≤-13.02	PASS
BLE_125K	Ant8	2402	1000~26500	7.92	-49.03	≤-12.08	PASS
BLE_125K	Ant5	2440	0~Reference	5.97	5.97	---	PASS
BLE_125K	Ant8	2440	0~Reference	5.51	5.51	---	PASS
BLE_125K	Ant5	2440	30~1000	5.97	-63.22	≤-14.03	PASS
BLE_125K	Ant8	2440	30~1000	5.51	-62.2	≤-14.49	PASS
BLE_125K	Ant5	2440	1000~26500	5.97	-50.44	≤-14.03	PASS
BLE_125K	Ant8	2440	1000~26500	5.51	-48.85	≤-14.49	PASS
BLE_125K	Ant5	2480	0~Reference	5.44	5.44	---	PASS
BLE_125K	Ant8	2480	0~Reference	6.88	6.88	---	PASS
BLE_125K	Ant5	2480	30~1000	5.44	-63.23	≤-14.56	PASS
BLE_125K	Ant8	2480	30~1000	6.88	-61	≤-13.12	PASS
BLE_125K	Ant5	2480	1000~26500	5.44	-50.35	≤-14.56	PASS
BLE_125K	Ant8	2480	1000~26500	6.88	-49.43	≤-13.12	PASS
BLE_500K	Ant5	2402	0~Reference	8.62	8.62	---	PASS
BLE_500K	Ant8	2402	0~Reference	8.49	8.49	---	PASS
BLE_500K	Ant5	2402	30~1000	8.62	-63.15	≤-11.38	PASS
BLE_500K	Ant8	2402	30~1000	8.49	-61.68	≤-11.51	PASS
BLE_500K	Ant5	2402	1000~26500	8.62	-50.24	≤-11.38	PASS
BLE_500K	Ant8	2402	1000~26500	8.49	-49.06	≤-11.51	PASS
BLE_500K	Ant5	2440	0~Reference	8.06	8.06	---	PASS
BLE_500K	Ant8	2440	0~Reference	8.00	8.00	---	PASS
BLE_500K	Ant5	2440	30~1000	8.06	-63.33	≤-11.94	PASS
BLE_500K	Ant8	2440	30~1000	8.00	-62.17	≤-12	PASS
BLE_500K	Ant5	2440	1000~26500	8.06	-49.86	≤-11.94	PASS
BLE_500K	Ant8	2440	1000~26500	8.00	-49.33	≤-12	PASS
BLE_500K	Ant5	2480	0~Reference	8.14	8.14	---	PASS
BLE_500K	Ant8	2480	0~Reference	8.61	8.61	---	PASS
BLE_500K	Ant5	2480	30~1000	8.14	-62.78	≤-11.86	PASS
BLE_500K	Ant8	2480	30~1000	8.61	-61.94	≤-11.39	PASS

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BLE_500K	Ant5	2480	1000~26500	8.14	-50.21	≤-11.86	PASS
BLE_500K	Ant8	2480	1000~26500	8.61	-48.13	≤-11.39	PASS

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Test Graphs

BLE_1M-Ant8-2402-0~Reference-PASS

BLE_1M-Ant5-2402-0~Reference-PASS

BLE_1M-Ant8-2402-30~1000-PASS

BLE_1M-Ant5-2402-30~1000-PASS

BLE_1M-Ant8-2402-1000~26500-PASS

BLE_1M-Ant5-2402-1000~26500-PASS

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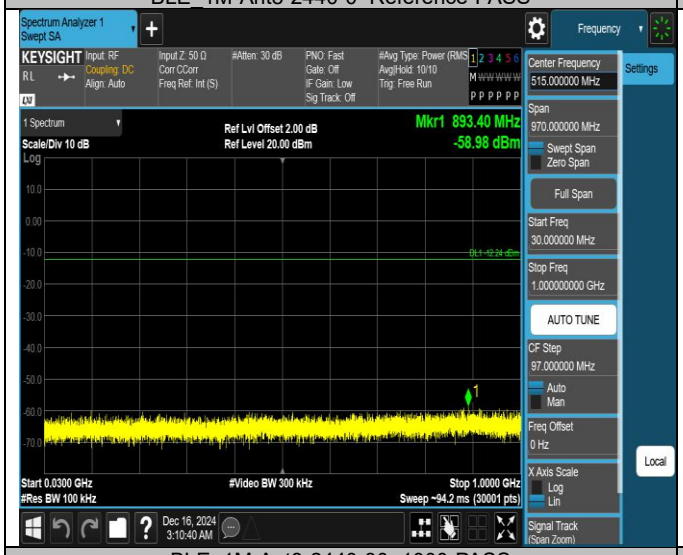
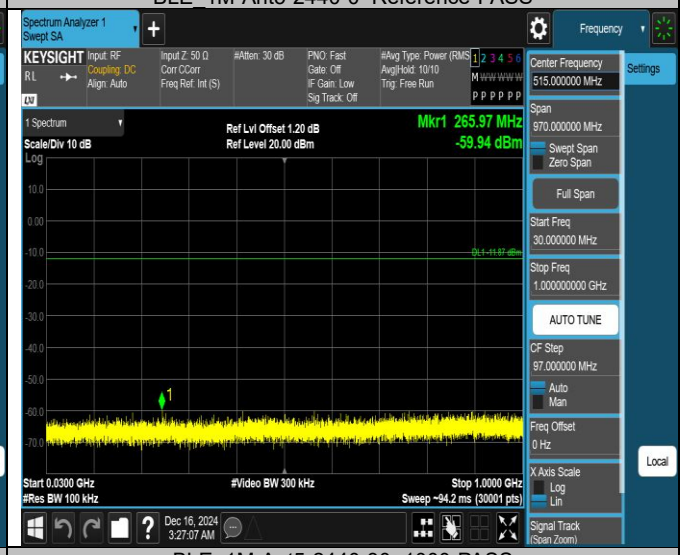
BLE_1M-Ant8-2440-0~Reference-PASS

BLE_1M-Ant5-2440-0~Reference-PASS



BLE_1M-Ant8-2440-30~1000-PASS



BLE_1M-Ant5-2440-30~1000-PASS

BLE_1M-Ant8-2440-1000~26500-PASS

BLE_1M-Ant5-2440-1000~26500-PASS

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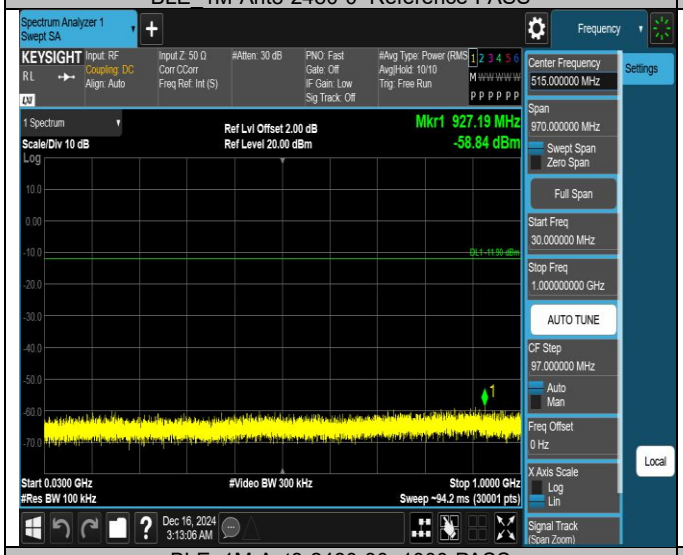
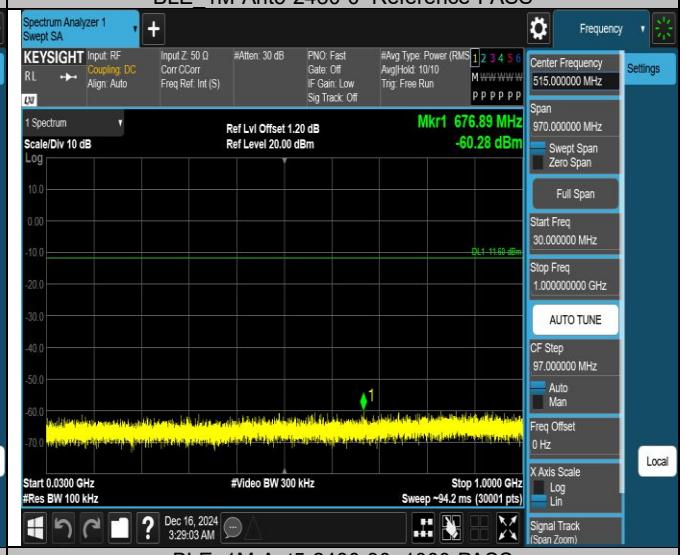
BLE_1M-Ant8-2480-0~Reference-PASS

BLE_1M-Ant5-2480-0~Reference-PASS



BLE_1M-Ant8-2480-30~1000-PASS



BLE_1M-Ant5-2480-30~1000-PASS

BLE_1M-Ant8-2480-1000~26500-PASS

BLE_1M-Ant5-2480-1000~26500-PASS

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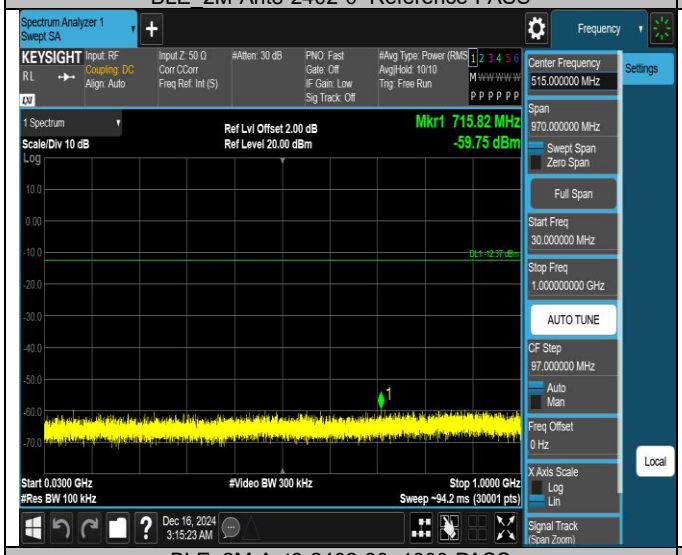
BLE_2M-Ant8-2402-0~Reference-PASS

BLE_2M-Ant5-2402-0~Reference-PASS



BLE_2M-Ant8-2402-30~1000-PASS

BLE_2M-Ant5-2402-30~1000-PASS

BLE_2M-Ant8-2402-1000~26500-PASS

BLE_2M-Ant5-2402-1000~26500-PASS

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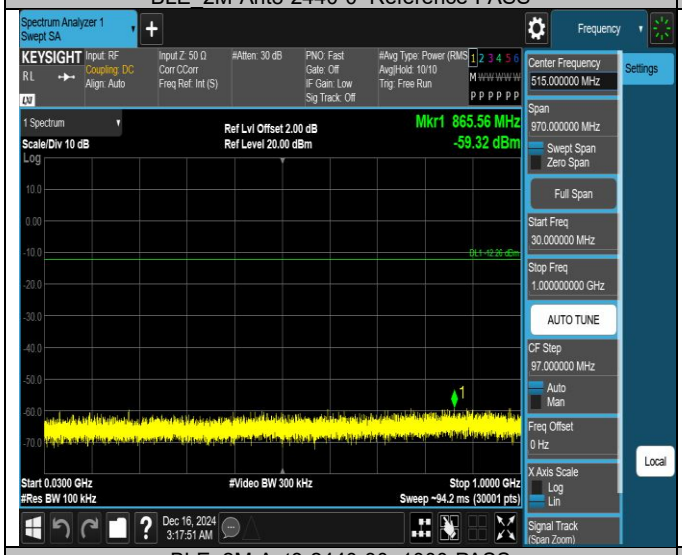
BLE_2M-Ant8-2440-0~Reference-PASS

BLE_2M-Ant5-2440-0~Reference-PASS



BLE_2M-Ant8-2440-30~1000-PASS

BLE_2M-Ant5-2440-30~1000-PASS

BLE_2M-Ant8-2440-1000~26500-PASS

BLE_2M-Ant5-2440-1000~26500-PASS

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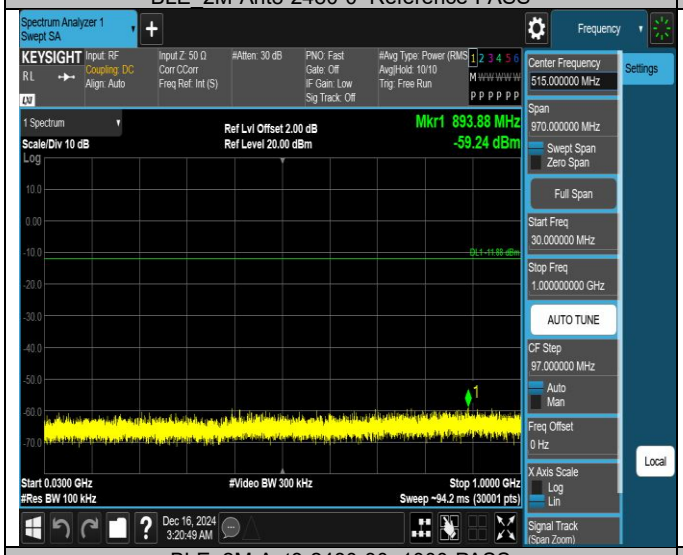
BLE_2M-Ant8-2480-0~Reference-PASS

BLE_2M-Ant5-2480-0~Reference-PASS



BLE_2M-Ant8-2480-30~1000-PASS

BLE_2M-Ant5-2480-30~1000-PASS

BLE_2M-Ant8-2480-1000~26500-PASS

BLE_2M-Ant5-2480-1000~26500-PASS

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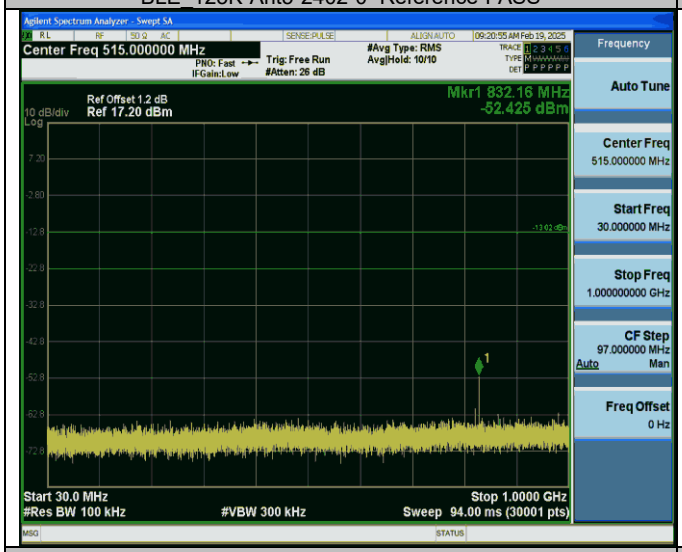
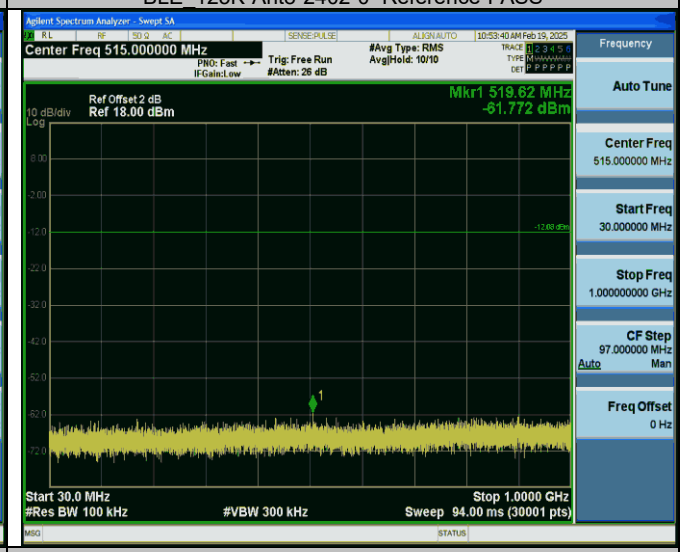
BLE_125K-Ant5-2402-0~Reference-PASS

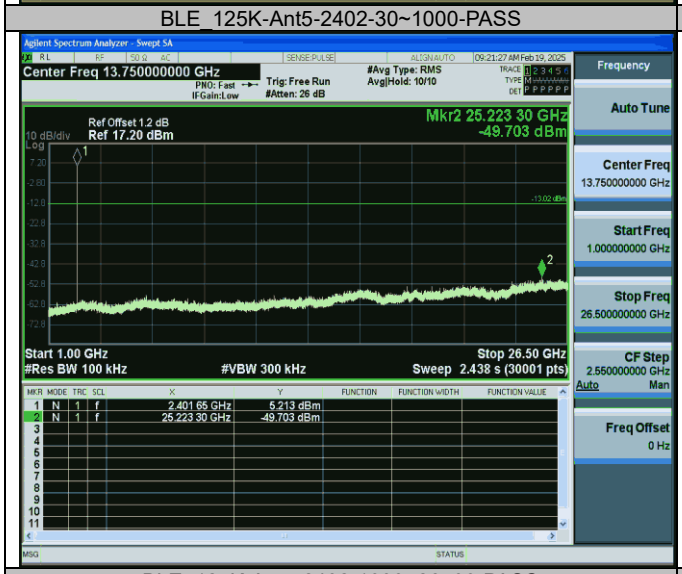
BLE_125K-Ant8-2402-0~Reference-PASS



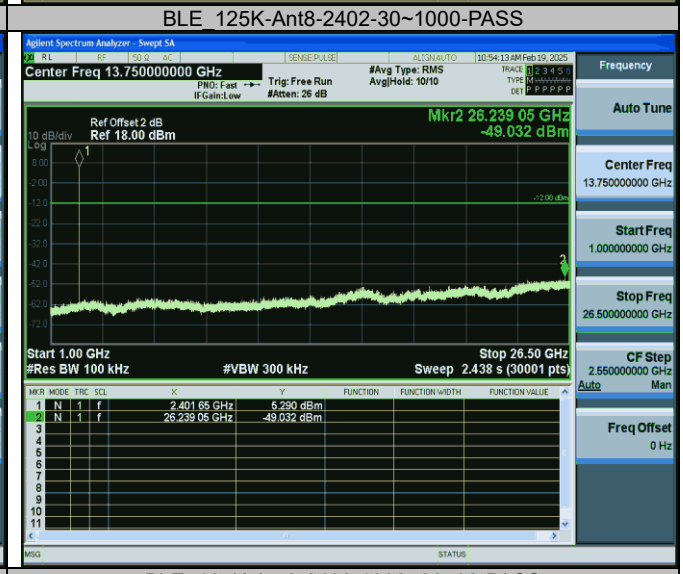
BLE_125K-Ant5-2402-30~1000-PASS



BLE_125K-Ant8-2402-30~1000-PASS



BLE_125K-Ant5-2402-1000~26500-PASS



BLE_125K-Ant8-2402-1000~26500-PASS

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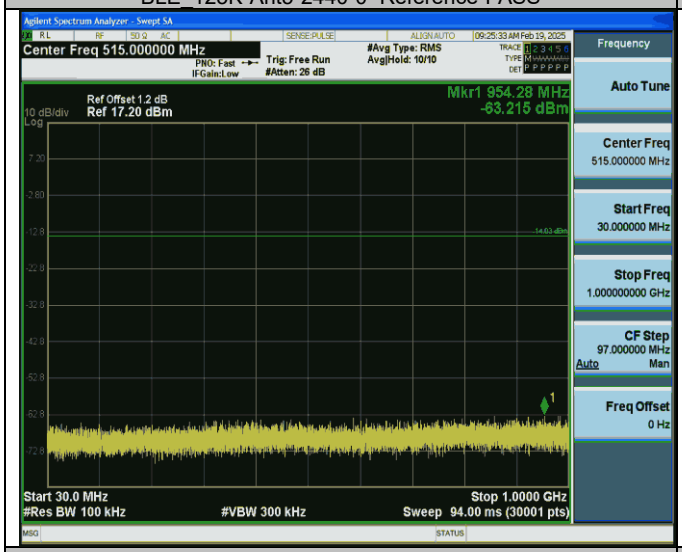
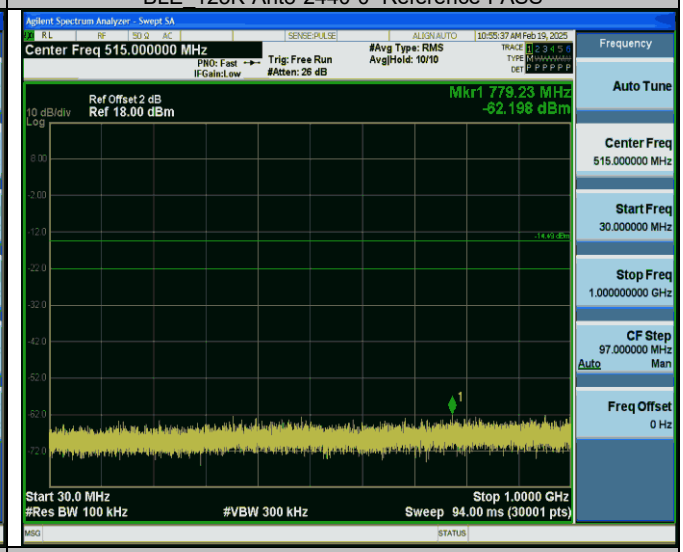
BLE_125K-Ant5-2440-0~Reference-PASS

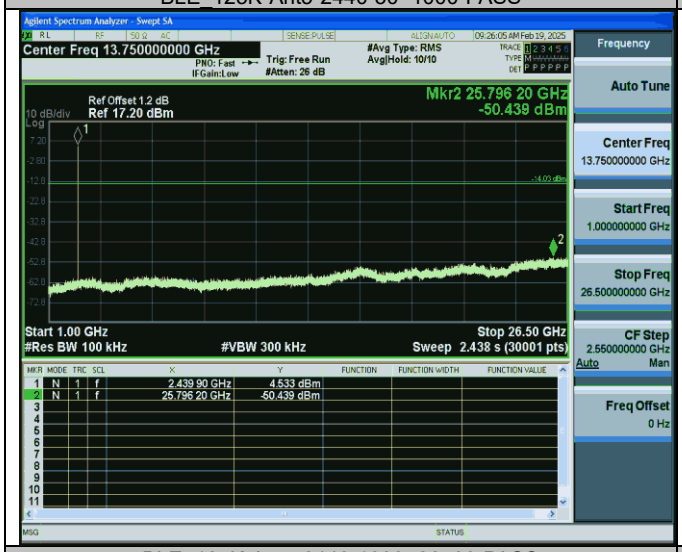
BLE_125K-Ant8-2440-0~Reference-PASS



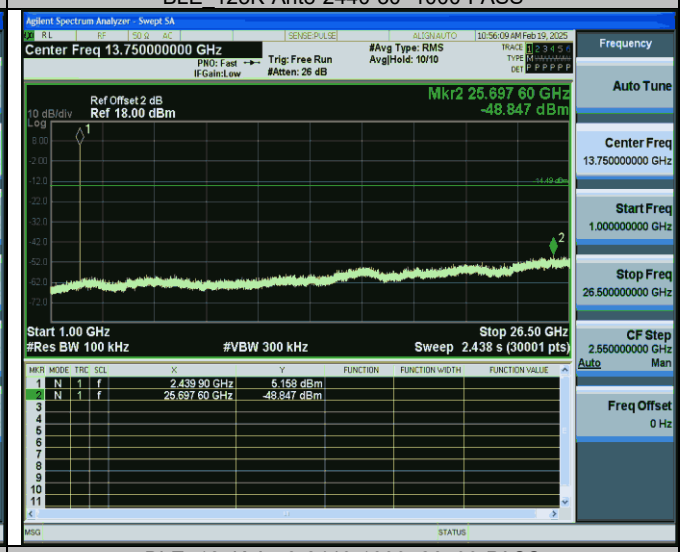
BLE_125K-Ant5-2440-30~1000-PASS



BLE_125K-Ant8-2440-30~1000-PASS



BLE_125K-Ant5-2440-1000~26500-PASS



BLE_125K-Ant8-2440-1000~26500-PASS

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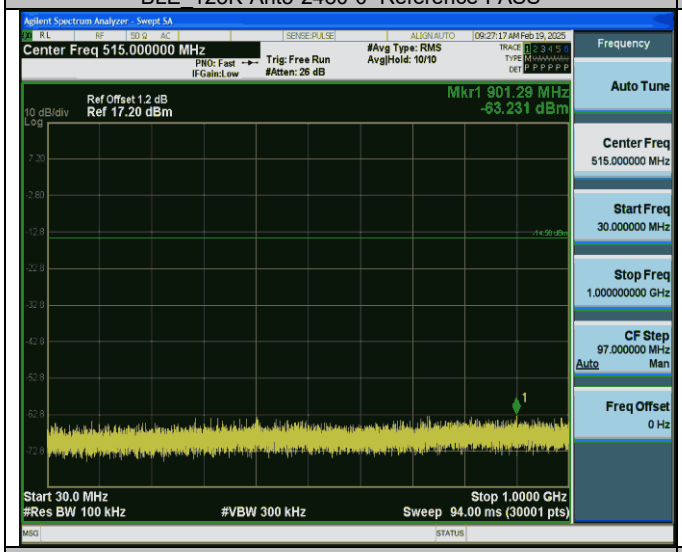
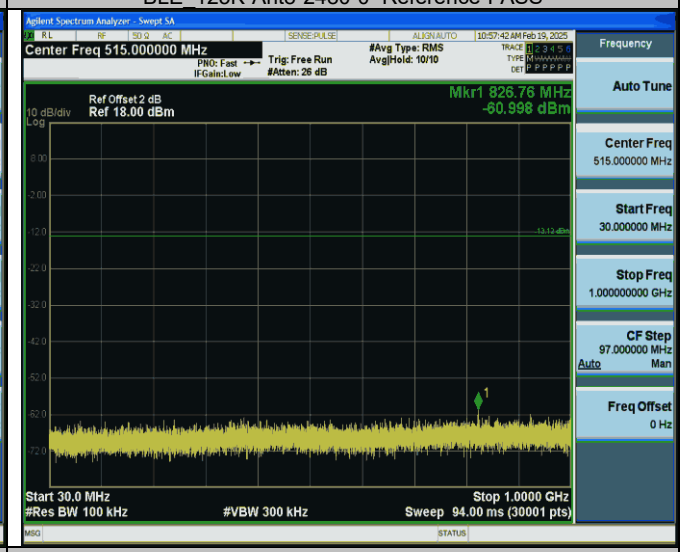
BLE_125K-Ant5-2480-0~Reference-PASS

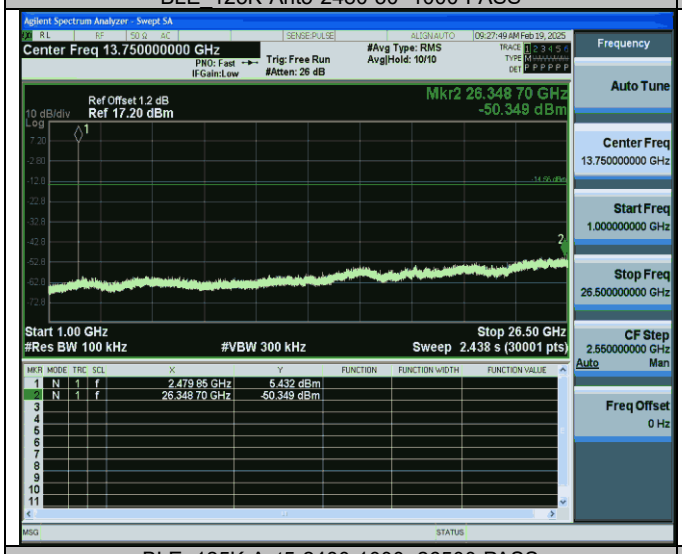
BLE_125K-Ant8-2480-0~Reference-PASS



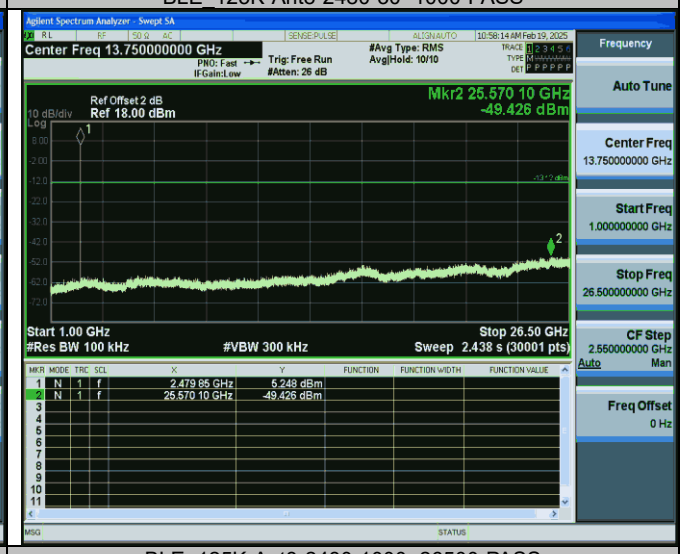
BLE_125K-Ant5-2480-30~1000-PASS



BLE_125K-Ant8-2480-30~1000-PASS



BLE_125K-Ant5-2480-1000~26500-PASS



BLE_125K-Ant8-2480-1000~26500-PASS

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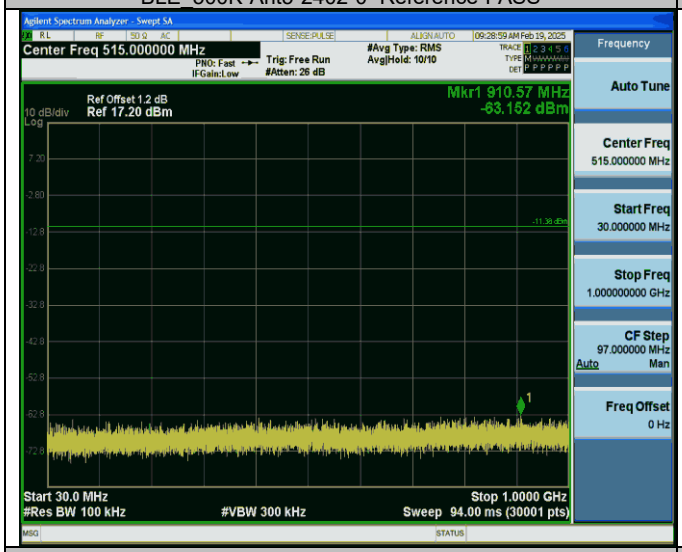
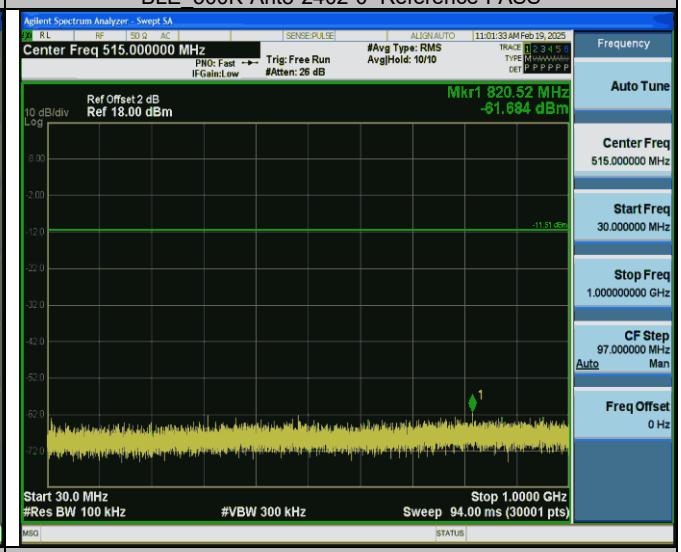
BLE_500K-Ant5-2402-0~Reference-PASS

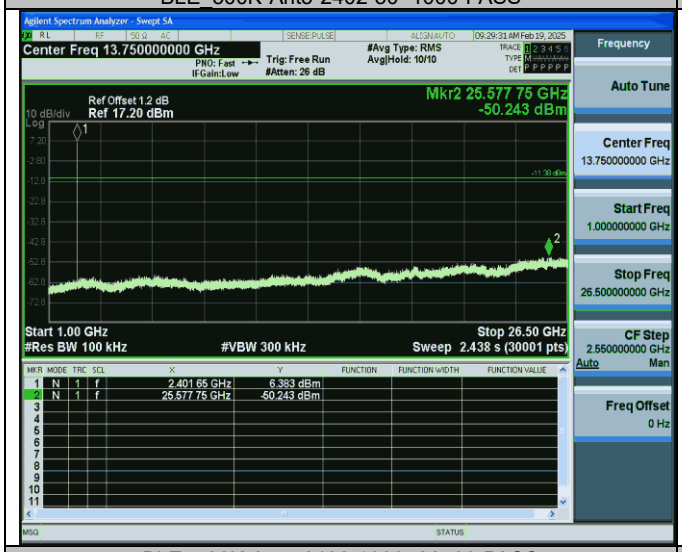
BLE_500K-Ant8-2402-0~Reference-PASS



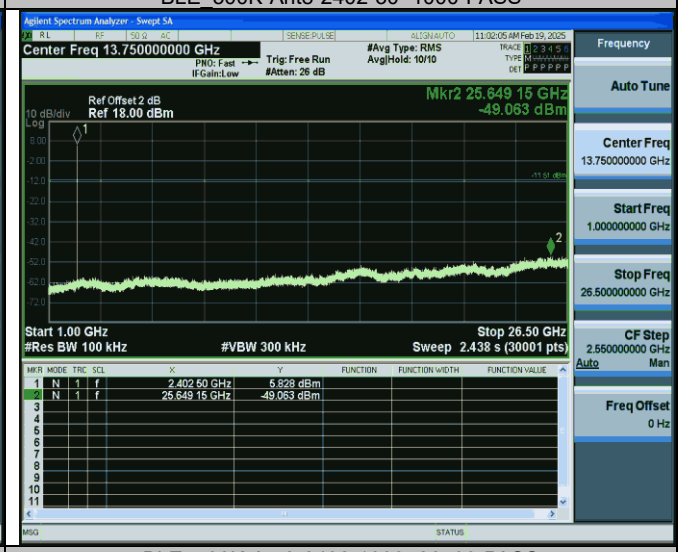
BLE_500K-Ant5-2402-30~1000-PASS



BLE_500K-Ant8-2402-30~1000-PASS



BLE_500K-Ant5-2402-1000~26500-PASS



BLE_500K-Ant8-2402-1000~26500-PASS

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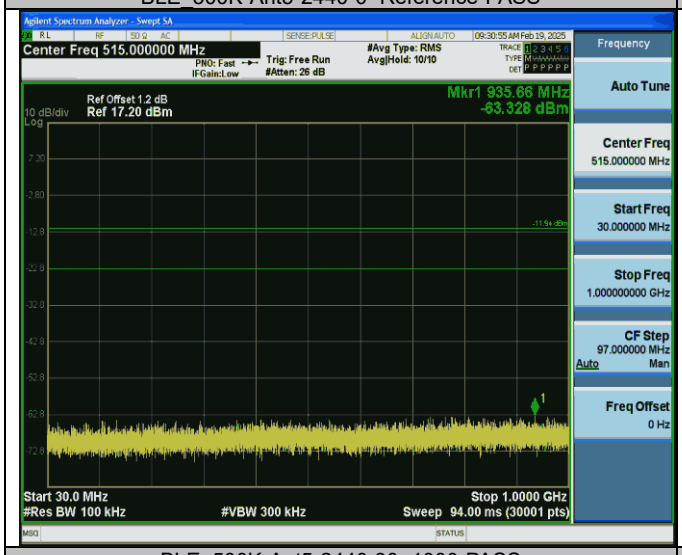
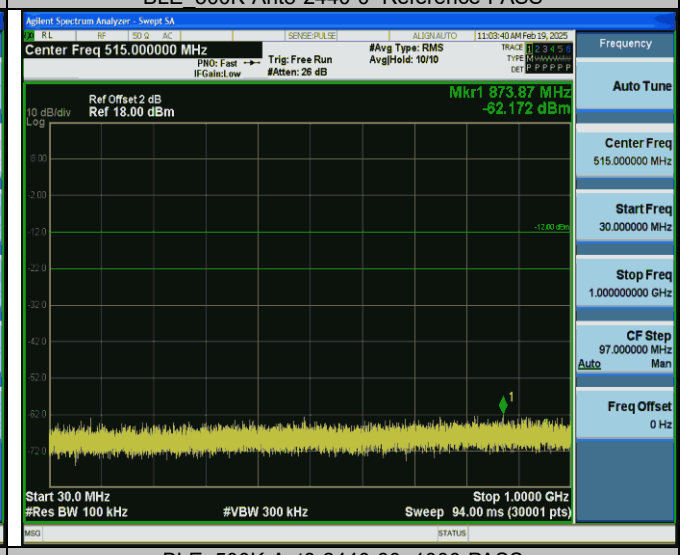
BLE_500K-Ant5-2440-0~Reference-PASS

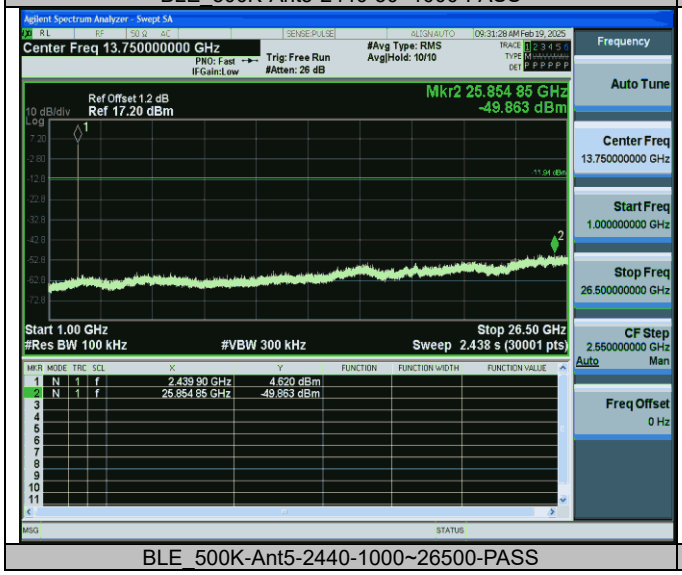
BLE_500K-Ant8-2440-0~Reference-PASS



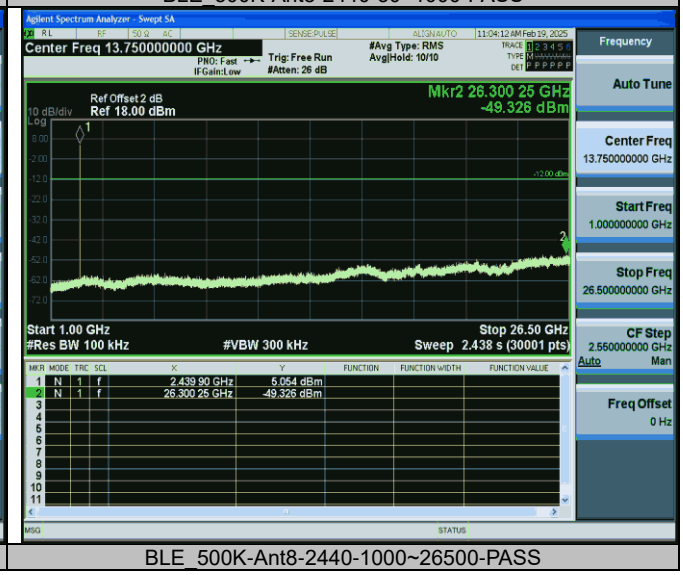
BLE_500K-Ant5-2440-30~1000-PASS



BLE_500K-Ant8-2440-30~1000-PASS



BLE_500K-Ant5-2440-1000~26500-PASS



BLE_500K-Ant8-2440-1000~26500-PASS

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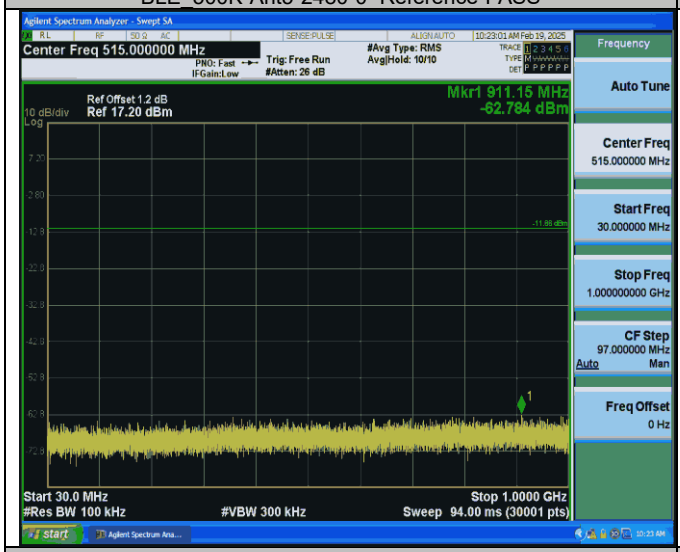
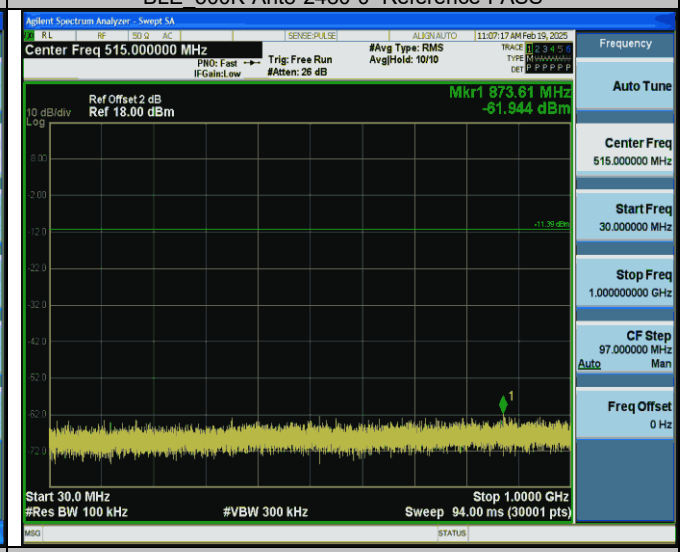
BLE_500K-Ant5-2480-0~Reference-PASS

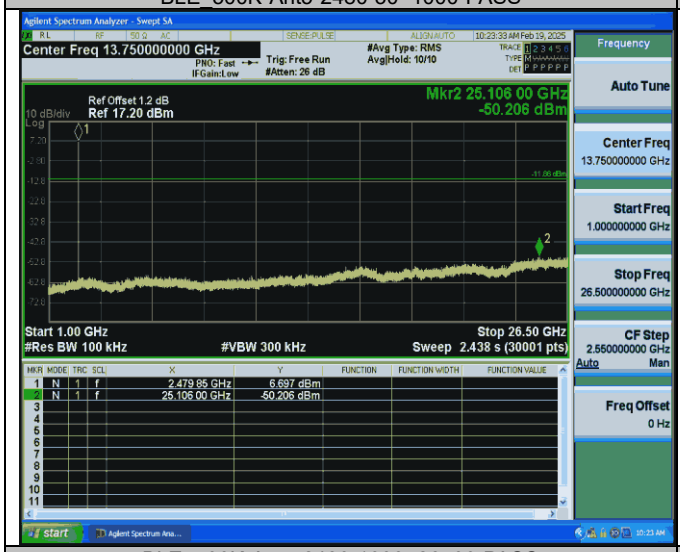
BLE_500K-Ant8-2480-0~Reference-PASS



BLE_500K-Ant5-2480-30~1000-PASS



BLE_500K-Ant8-2480-30~1000-PASS



BLE_500K-Ant5-2480-1000~26500-PASS

BLE_500K-Ant8-2480-1000~26500-PASS

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Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant8	2402	0.40	0.63	63.49	1.97
BLE_1M	Ant5	2402	0.40	0.63	63.49	1.97
BLE_1M	Ant8	2440	0.40	0.63	63.49	1.97
BLE_1M	Ant5	2440	0.40	0.63	63.49	1.97
BLE_1M	Ant8	2480	0.40	0.63	63.49	1.97
BLE_1M	Ant5	2480	0.40	0.63	63.49	1.97
BLE_2M	Ant8	2402	0.21	0.63	33.33	4.77
BLE_2M	Ant5	2402	0.21	0.63	33.33	4.77
BLE_2M	Ant8	2440	0.21	0.63	33.33	4.77
BLE_2M	Ant5	2440	0.21	0.63	33.33	4.77
BLE_2M	Ant8	2480	0.21	0.63	33.33	4.77
BLE_2M	Ant5	2480	0.21	0.63	33.33	4.77
BLE_125K	Ant5	2402	3.11	3.76	82.71	0.82
BLE_125K	Ant8	2402	3.11	3.75	82.93	0.81
BLE_125K	Ant5	2440	3.11	3.75	82.93	0.81
BLE_125K	Ant8	2440	3.11	3.75	82.93	0.81
BLE_125K	Ant5	2480	3.11	3.75	82.93	0.81
BLE_125K	Ant8	2480	3.11	3.75	82.93	0.81
BLE_500K	Ant5	2402	1.07	1.87	57.22	2.42
BLE_500K	Ant8	2402	1.07	1.87	57.22	2.42
BLE_500K	Ant5	2440	1.07	1.87	57.22	2.42
BLE_500K	Ant8	2440	1.07	1.87	57.22	2.42
BLE_500K	Ant5	2480	1.07	1.87	57.22	2.42
BLE_500K	Ant8	2480	1.08	1.88	57.45	2.41

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