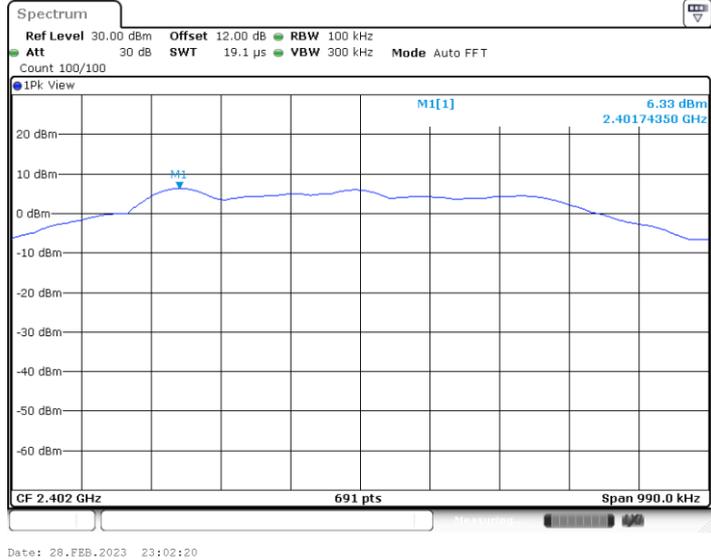
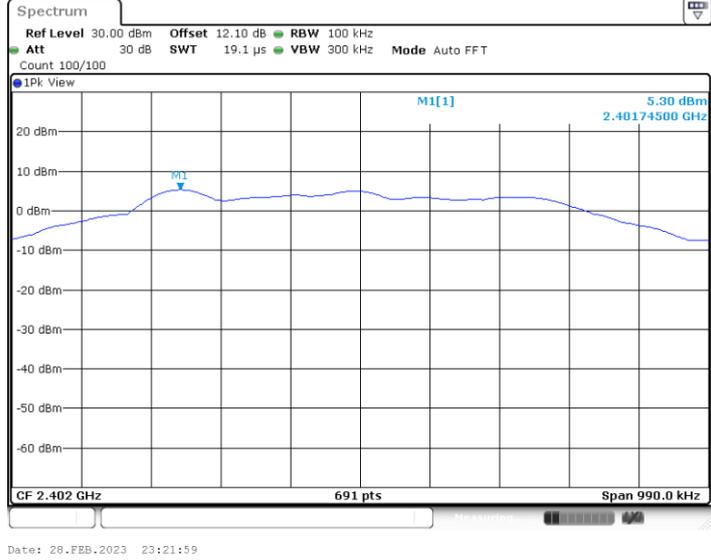




BLE_500K_Ant5_2402

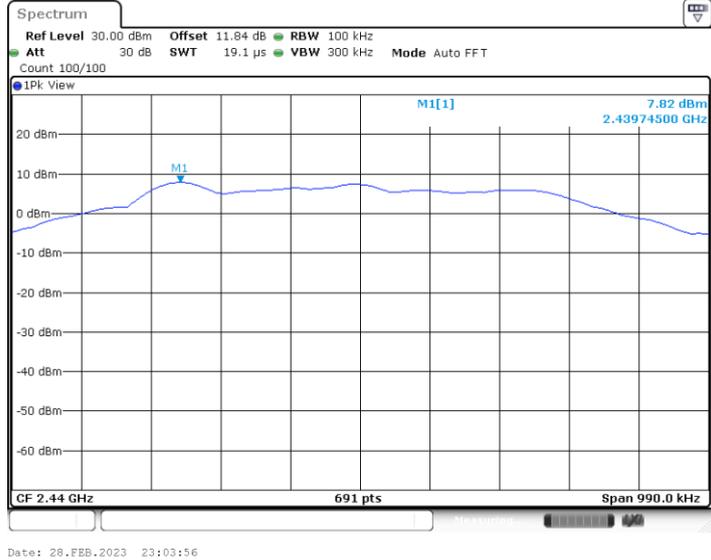


BLE_500K_Ant4_2402

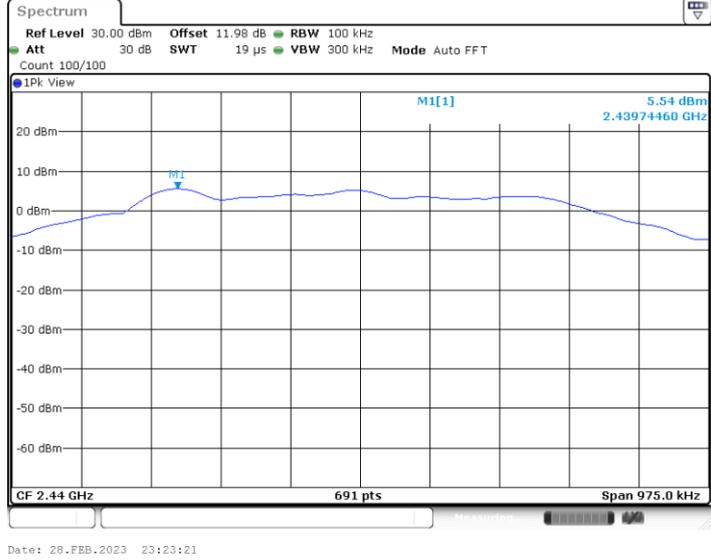




BLE_500K_Ant5_2440

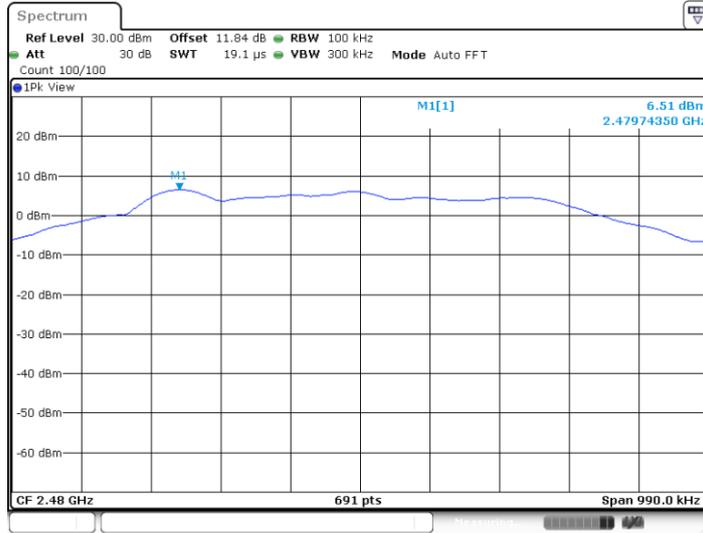


BLE_500K_Ant4_2440

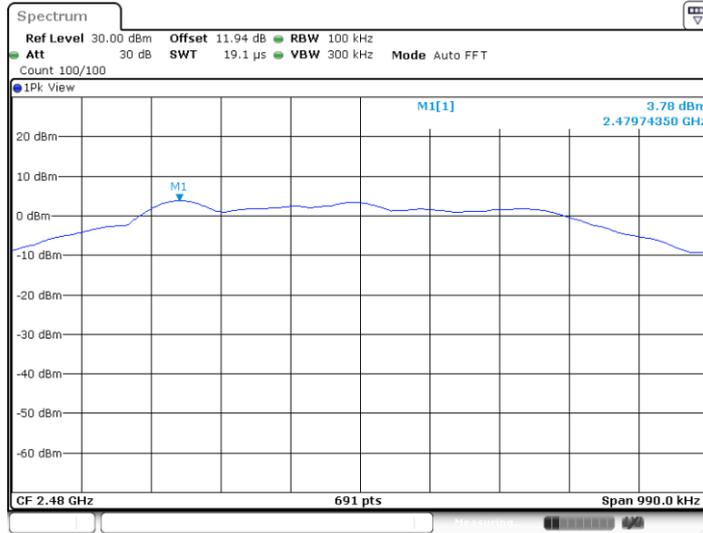




BLE_500K_Ant5_2480



BLE_500K_Ant4_2480





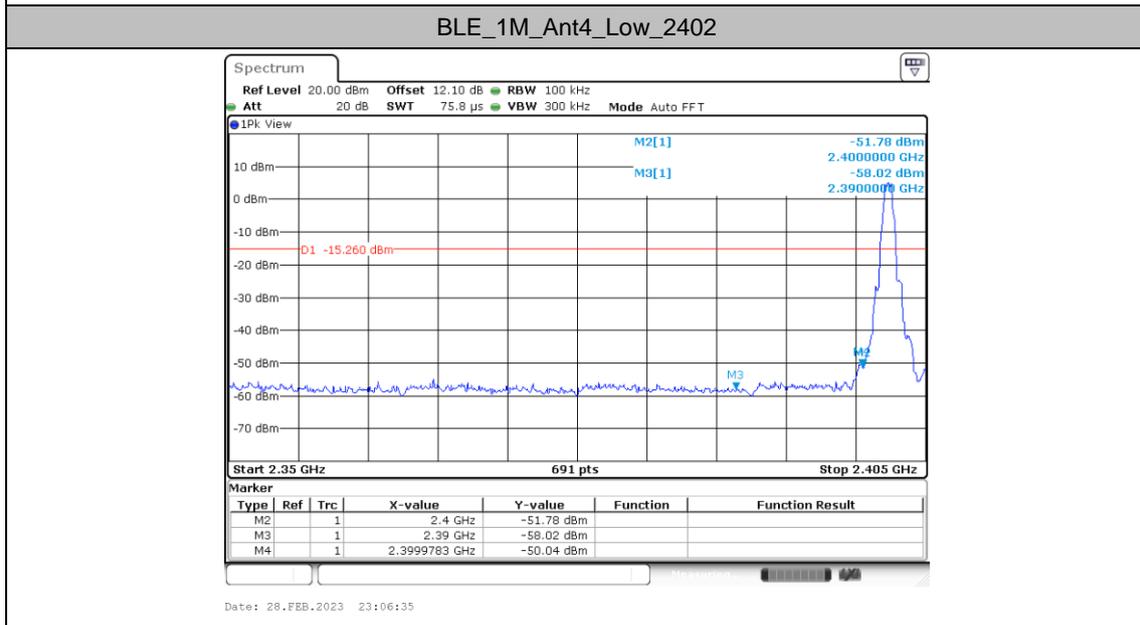
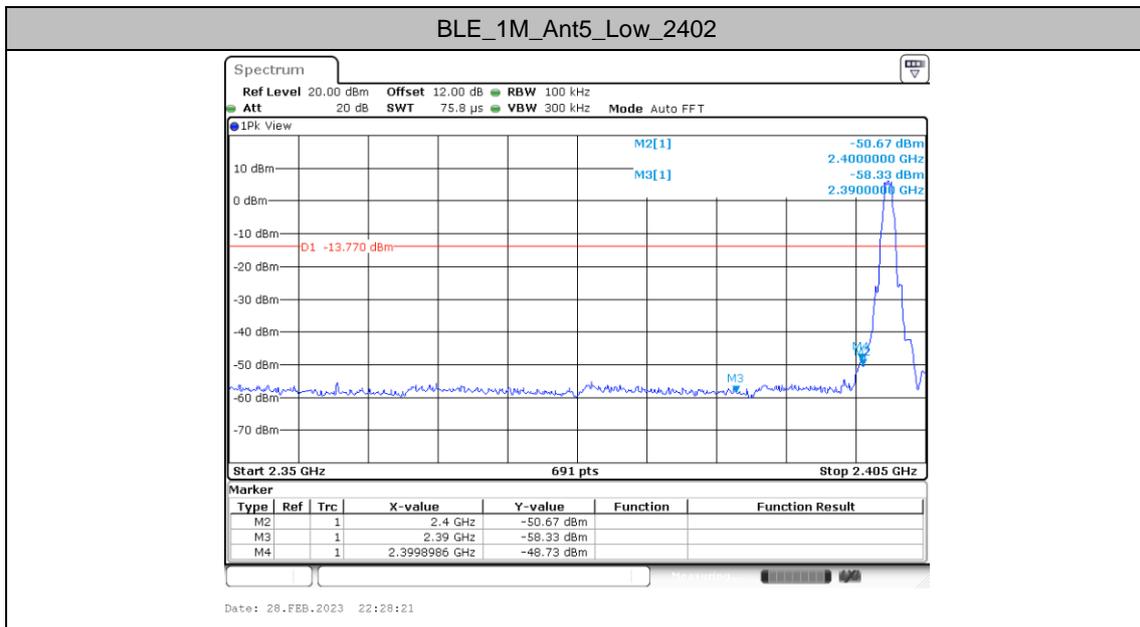
Band edge measurements

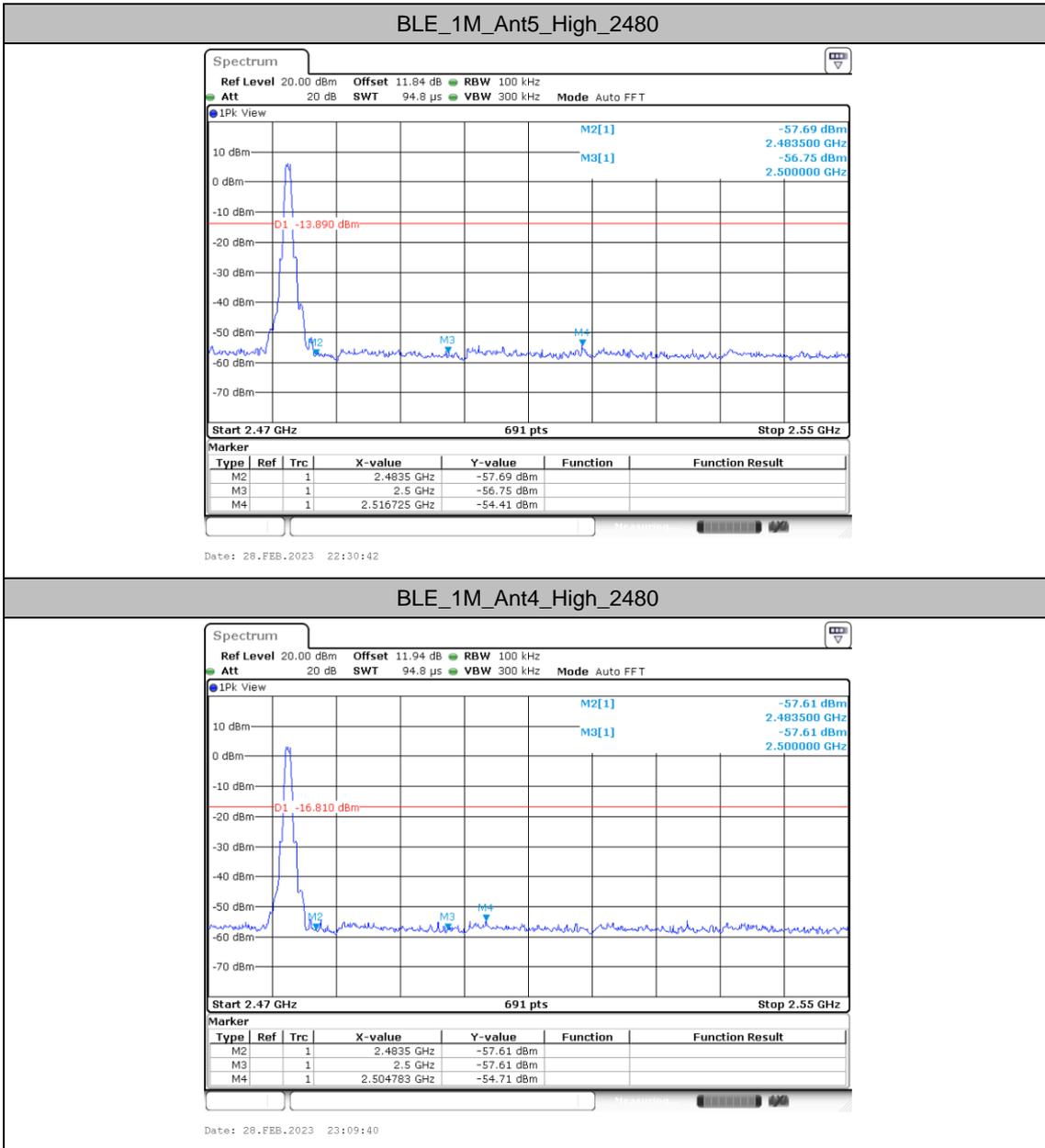
Test Result

TestMode	Ant	ChName	Freq (MHz)	RefLevel [dBm/100KHz]	Result [dBm/100KHz]	Limit [dBm/100KHz]	Verdict
BLE_1M	Ant5	Low	2402	6.23	-48.73	≤-13.77	PASS
	Ant4	Low	2402	4.74	-50.04	≤-15.26	PASS
	Ant5	High	2480	6.11	-54.41	≤-13.89	PASS
	Ant4	High	2480	3.19	-54.71	≤-16.81	PASS
BLE_2M	Ant5	Low	2402	6.04	-27.41	≤-13.96	PASS
	Ant4	Low	2402	4.77	-27.92	≤-15.23	PASS
	Ant5	High	2480	6.15	-50.64	≤-13.85	PASS
	Ant4	High	2480	3.27	-54.02	≤-16.73	PASS
BLE_125K	Ant5	Low	2402	5.91	-52.29	≤-14.09	PASS
	Ant4	Low	2402	4.85	-53.66	≤-15.15	PASS
	Ant5	High	2480	5.93	-54.59	≤-14.07	PASS
	Ant4	High	2480	3.19	-54.33	≤-16.81	PASS
BLE_500K	Ant5	Low	2402	6.33	-51.02	≤-13.67	PASS
	Ant4	Low	2402	5.30	-52.69	≤-14.7	PASS
	Ant5	High	2480	6.51	-55.15	≤-13.49	PASS
	Ant4	High	2480	3.78	-54.39	≤-16.22	PASS



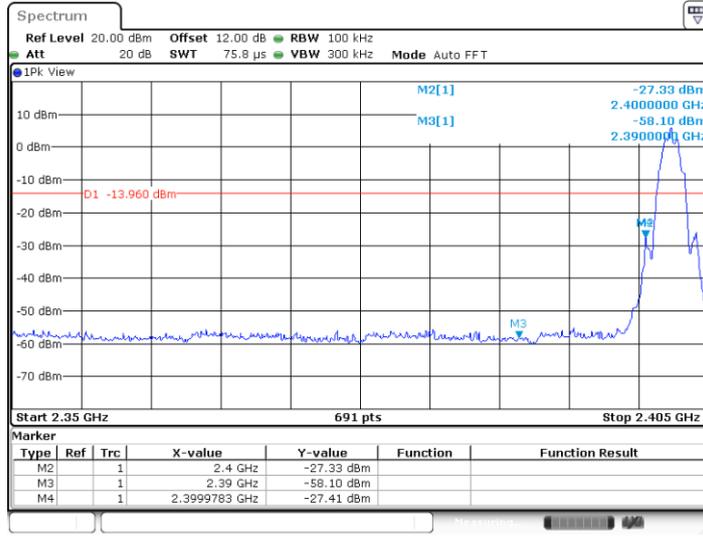
Test Graphs



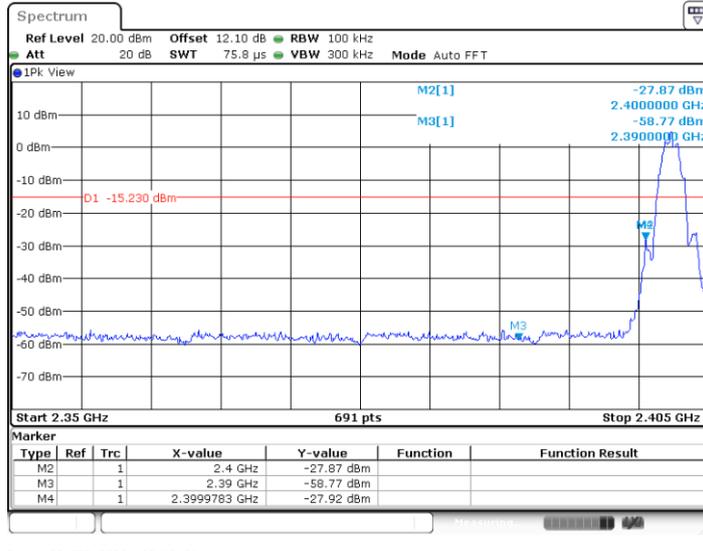


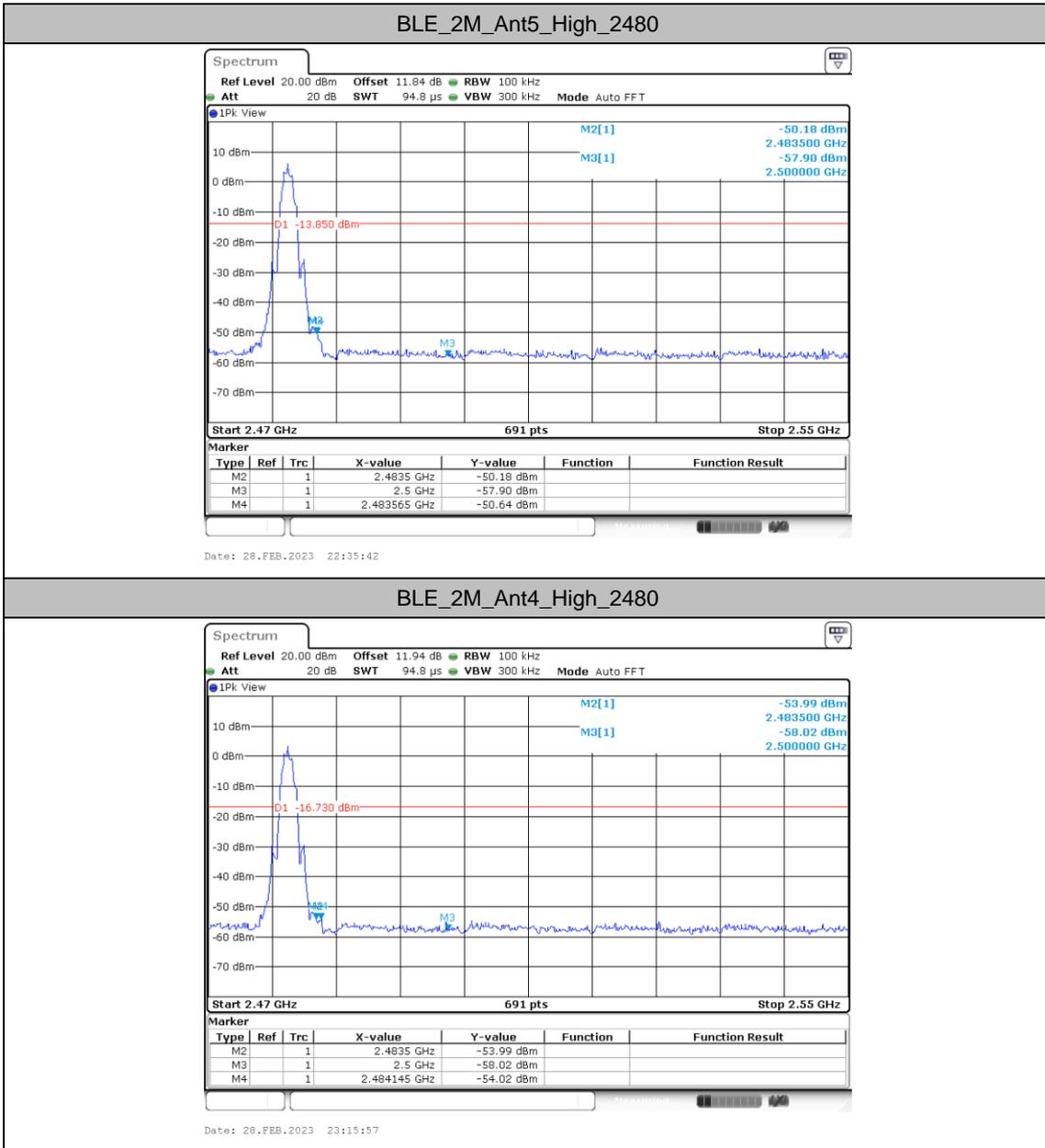


BLE_2M_Ant5_Low_2402



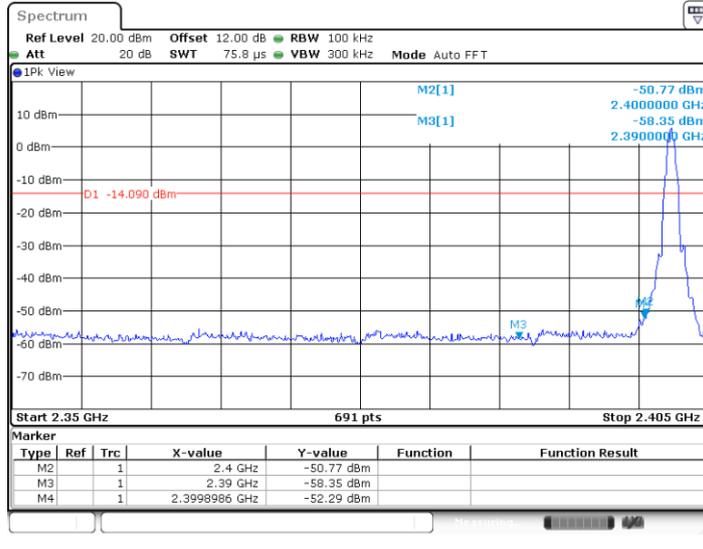
BLE_2M_Ant4_Low_2402





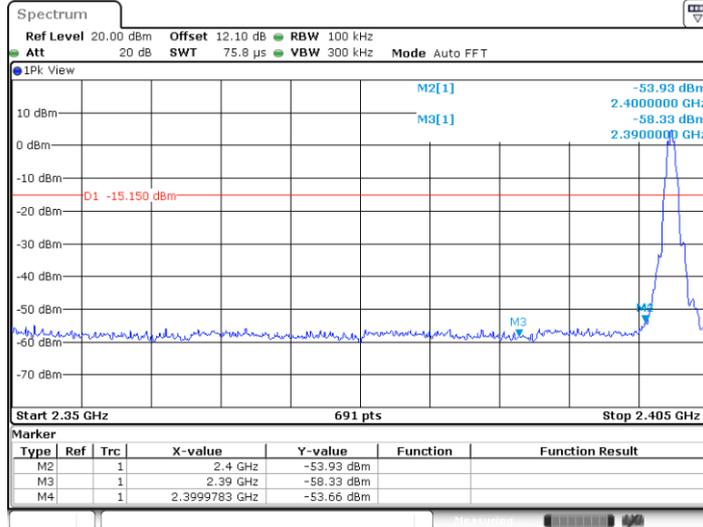


BLE_125K_Ant5_Low_2402



Date: 28.FEB.2023 22:37:22

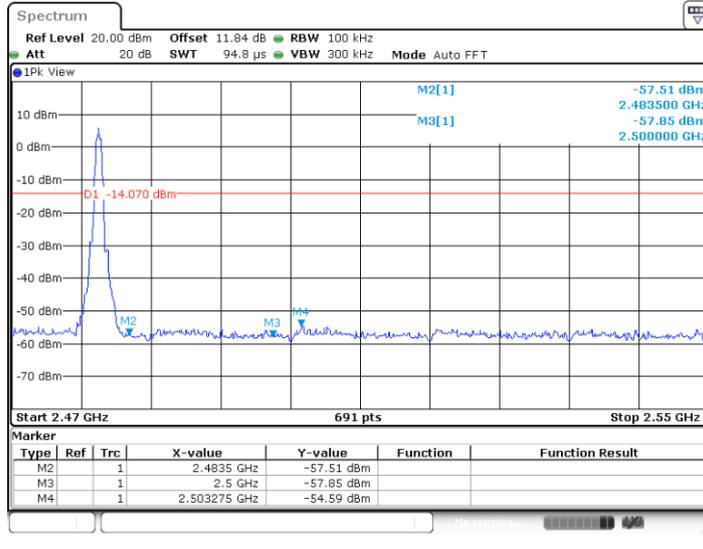
BLE_125K_Ant4_Low_2402



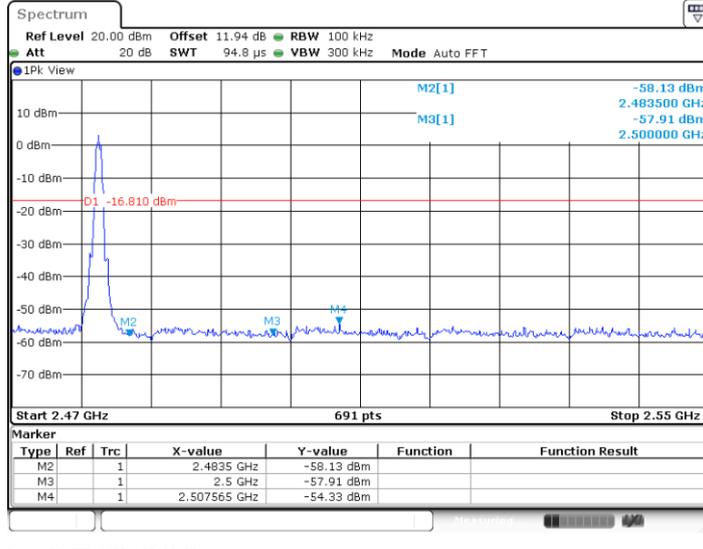
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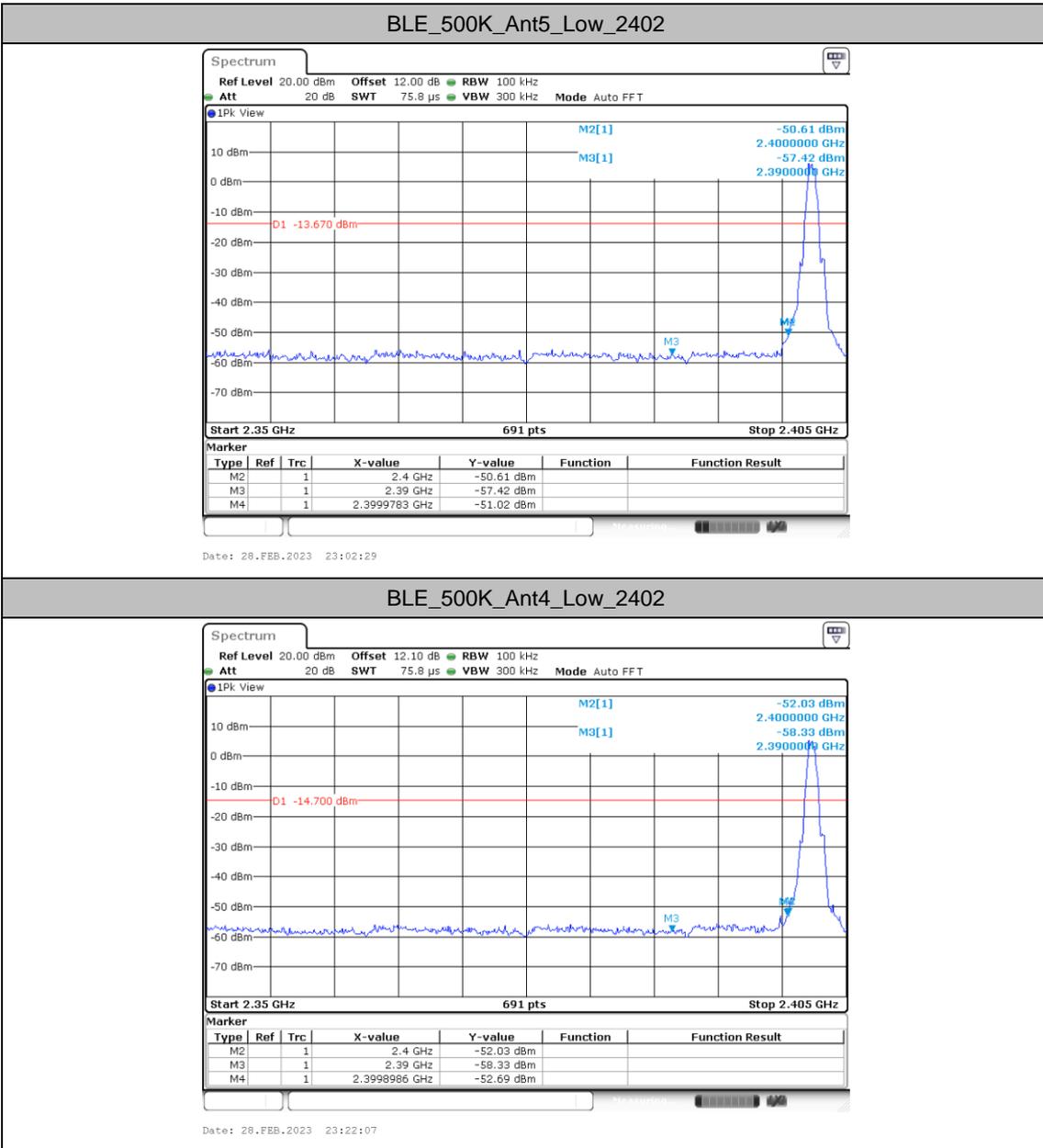


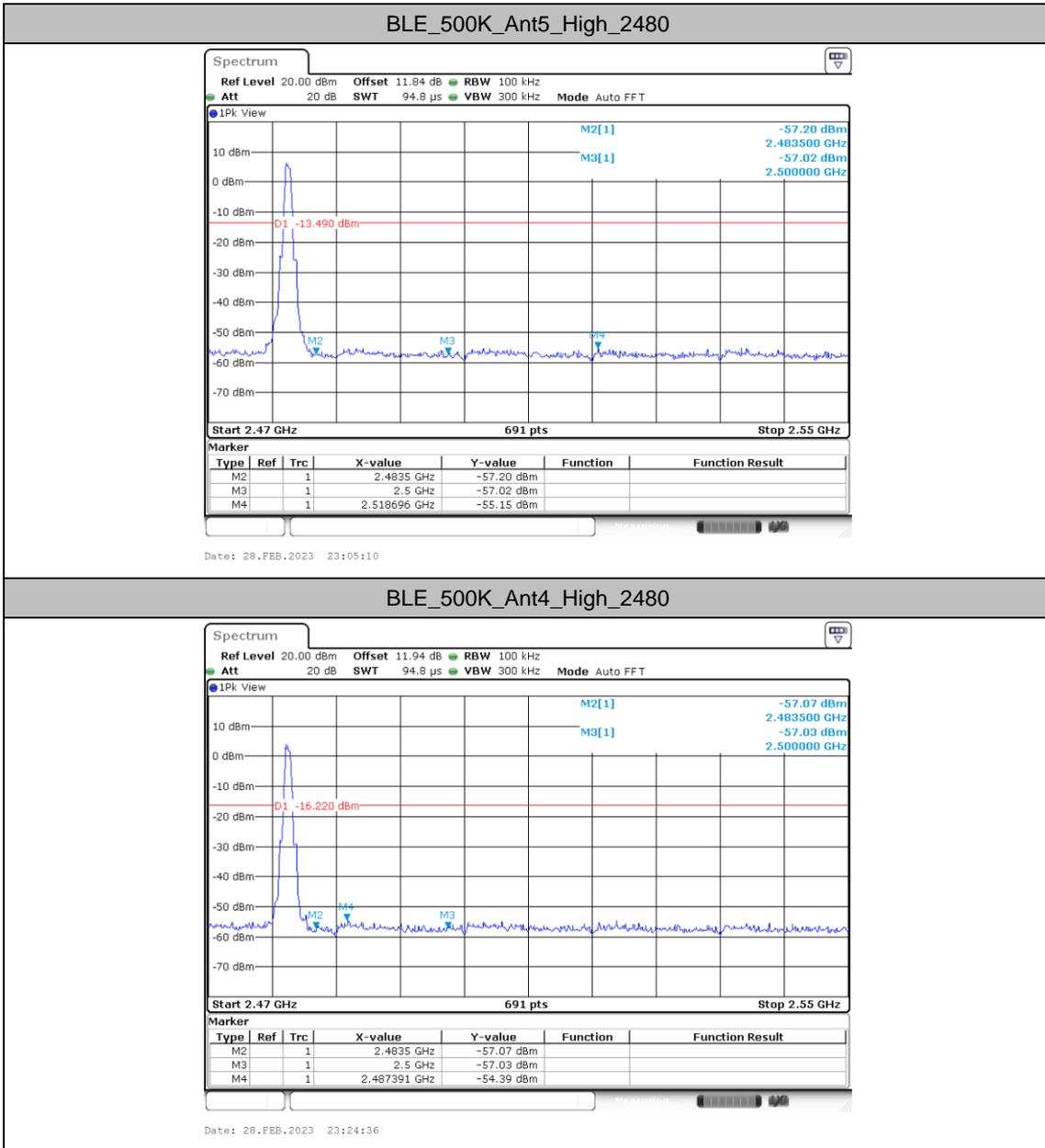
BLE_125K_Ant5_High_2480



BLE_125K_Ant4_High_2480









Conducted Spurious Emission

Test Result

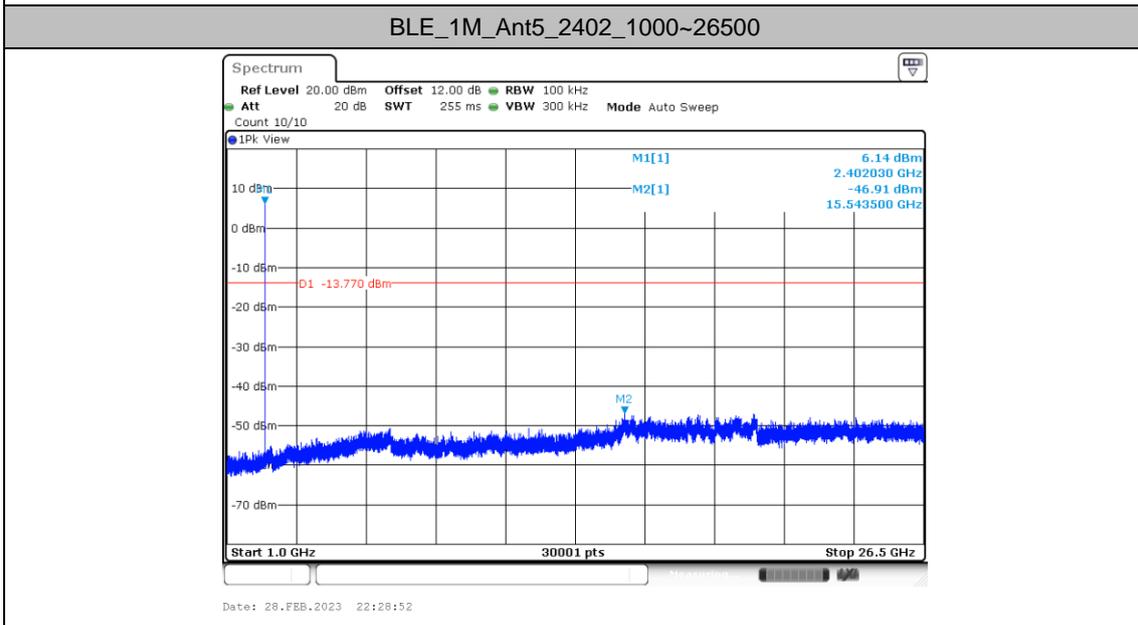
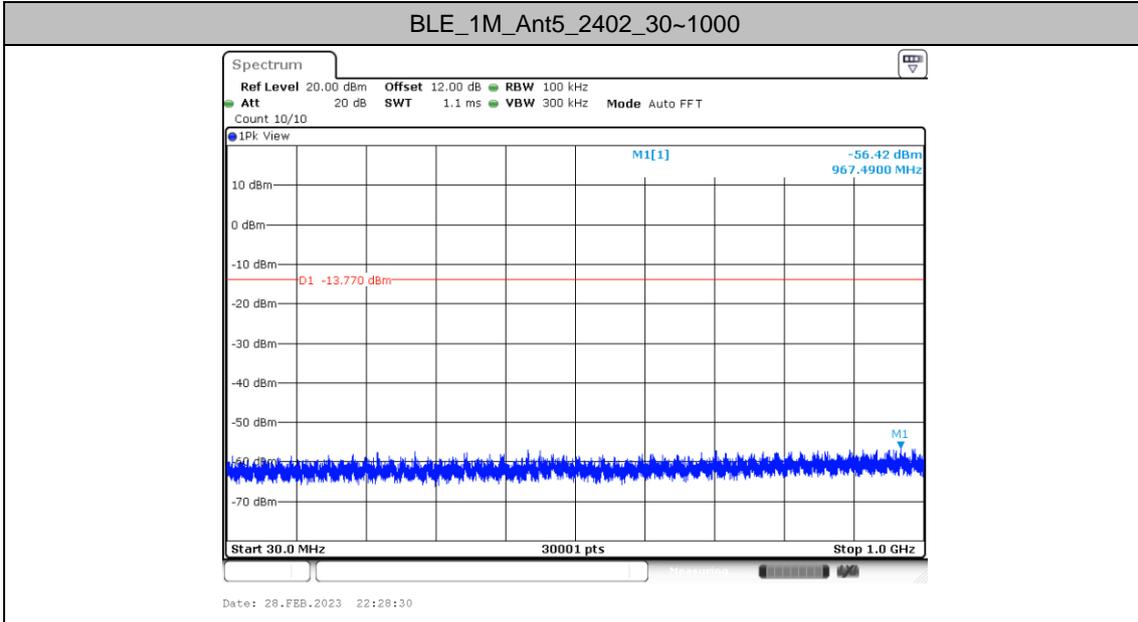
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm/100KHz]	Result [dBm/100KHz]	Limit [dBm/100KHz]	Verdict
BLE_1M	Ant5	2402	30~1000	6.23	-56.42	≤-13.77	PASS
			1000~26500	6.23	-46.91	≤-13.77	PASS
	Ant4	2402	30~1000	4.74	-55.08	≤-15.26	PASS
			1000~26500	4.74	-46.6	≤-15.26	PASS
	Ant5	2440	30~1000	7.46	-56.32	≤-12.54	PASS
			1000~26500	7.46	-45.77	≤-12.54	PASS
	Ant4	2440	30~1000	5.22	-56.43	≤-14.78	PASS
			1000~26500	5.22	-45.56	≤-14.78	PASS
	Ant5	2480	30~1000	6.11	-56.3	≤-13.89	PASS
			1000~26500	6.11	-47	≤-13.89	PASS
	Ant4	2480	30~1000	3.19	-55.42	≤-16.81	PASS
			1000~26500	3.19	-46.37	≤-16.81	PASS
BLE_2M	Ant5	2402	30~1000	6.04	-56.4	≤-13.96	PASS
			1000~26500	6.04	-46.82	≤-13.96	PASS
	Ant4	2402	30~1000	4.77	-55.98	≤-15.23	PASS
			1000~26500	4.77	-44.5	≤-15.23	PASS
	Ant5	2440	30~1000	7.52	-56.36	≤-12.48	PASS
			1000~26500	7.52	-47.18	≤-12.48	PASS
	Ant4	2440	30~1000	5.26	-55.83	≤-14.74	PASS
			1000~26500	5.26	-46.72	≤-14.74	PASS
	Ant5	2480	30~1000	6.15	-56.23	≤-13.85	PASS
			1000~26500	6.15	-46.34	≤-13.85	PASS
	Ant4	2480	30~1000	3.27	-56.1	≤-16.73	PASS
			1000~26500	3.27	-46.25	≤-16.73	PASS
BLE_125K	Ant5	2402	30~1000	5.91	-55.69	≤-14.09	PASS
			1000~26500	5.91	-46.56	≤-14.09	PASS
	Ant4	2402	30~1000	4.85	-56.34	≤-15.15	PASS
			1000~26500	4.85	-46.22	≤-15.15	PASS
	Ant5	2440	30~1000	7.08	-56.06	≤-12.92	PASS
			1000~26500	7.08	-46.72	≤-12.92	PASS
	Ant4	2440	30~1000	5.23	-55.34	≤-14.77	PASS
			1000~26500	5.23	-46.9	≤-14.77	PASS
	Ant5	2480	30~1000	5.93	-57.14	≤-14.07	PASS

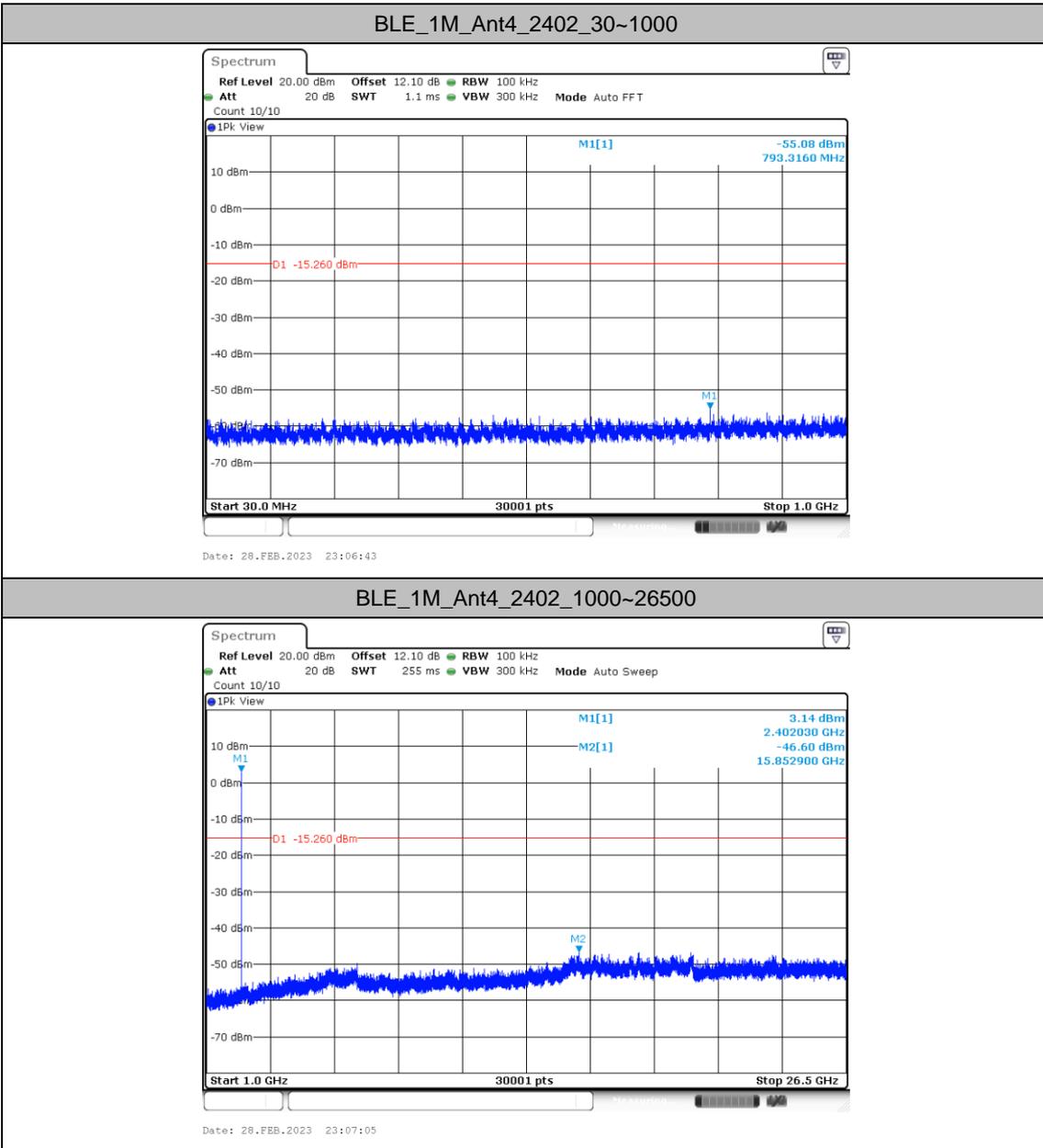


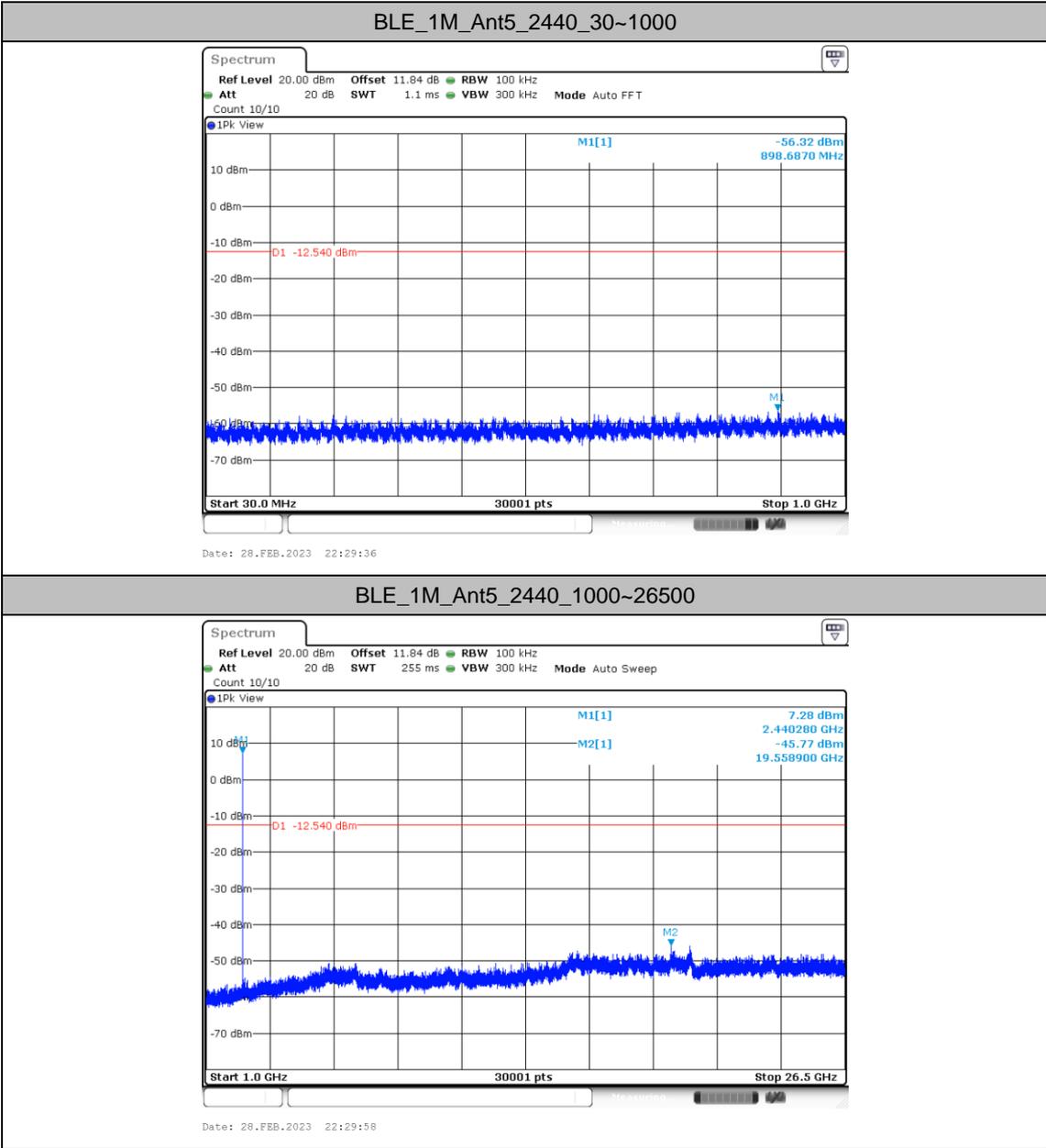
	Ant4	2480	1000~26500	5.93	-46.82	≤-14.07	PASS
			30~1000	3.19	-56.25	≤-16.81	PASS
BLE_500K	Ant5	2402	30~1000	6.33	-55.77	≤-13.67	PASS
			1000~26500	6.33	-46.58	≤-13.67	PASS
	Ant4	2402	30~1000	5.30	-56.11	≤-14.7	PASS
			1000~26500	5.30	-46.34	≤-14.7	PASS
	Ant5	2440	30~1000	7.82	-56.19	≤-12.18	PASS
			1000~26500	7.82	-47.07	≤-12.18	PASS
	Ant4	2440	30~1000	5.54	-56.13	≤-14.46	PASS
			1000~26500	5.54	-46.37	≤-14.46	PASS
	Ant5	2480	30~1000	6.51	-56.84	≤-13.49	PASS
			1000~26500	6.51	-45.44	≤-13.49	PASS
	Ant4	2480	30~1000	3.78	-56.85	≤-16.22	PASS
			1000~26500	3.78	-46.09	≤-16.22	PASS



Test Graphs

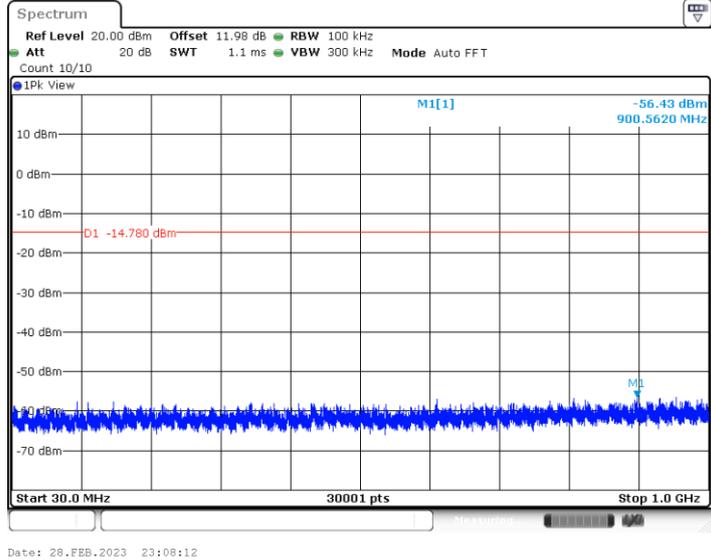




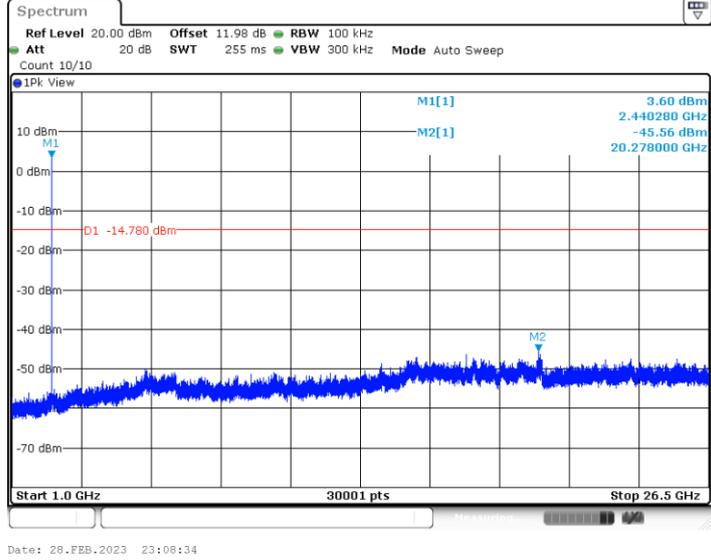


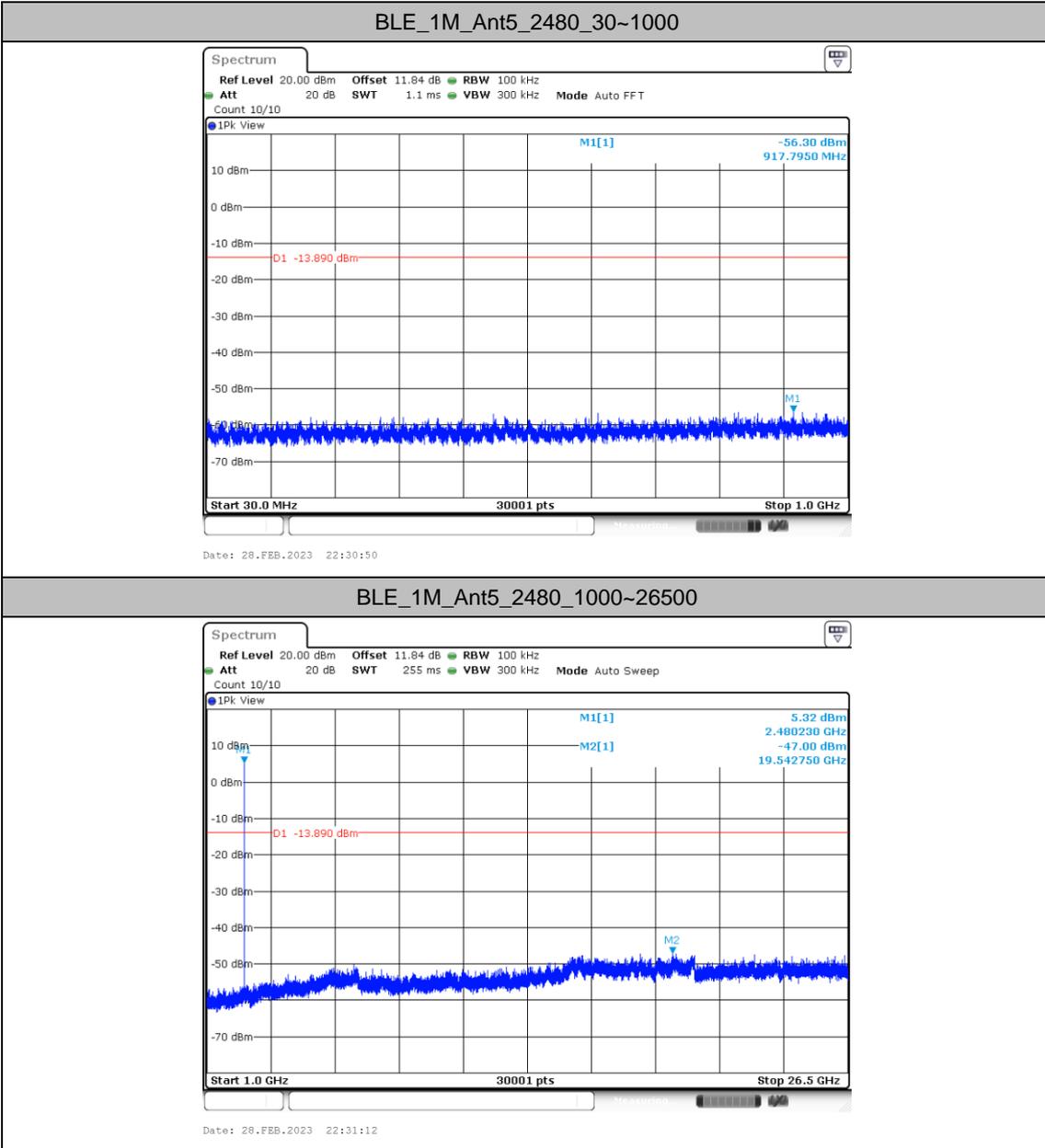


BLE_1M_Ant4_2440_30~1000



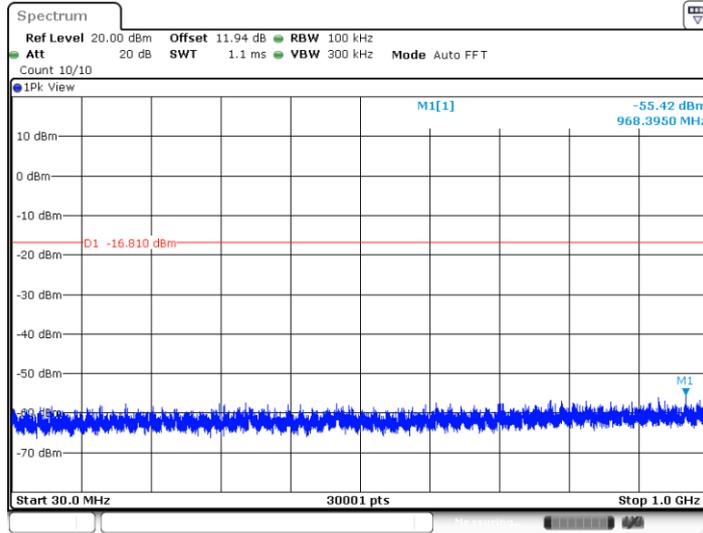
BLE_1M_Ant4_2440_1000~26500





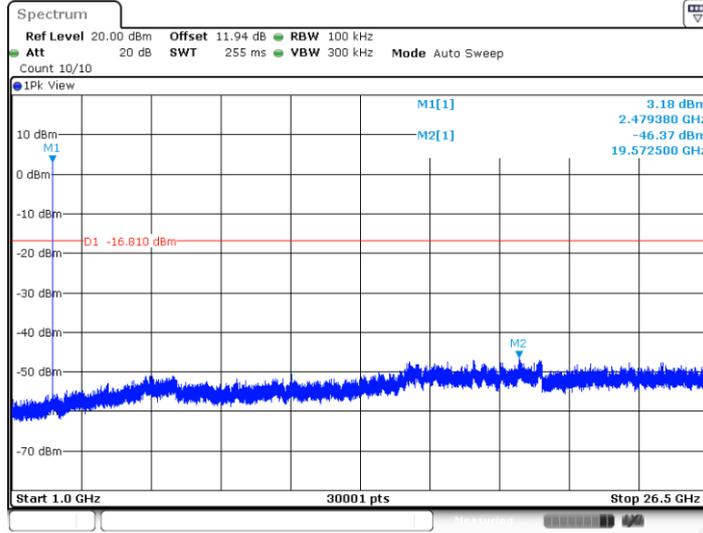


BLE_1M_Ant4_2480_30~1000



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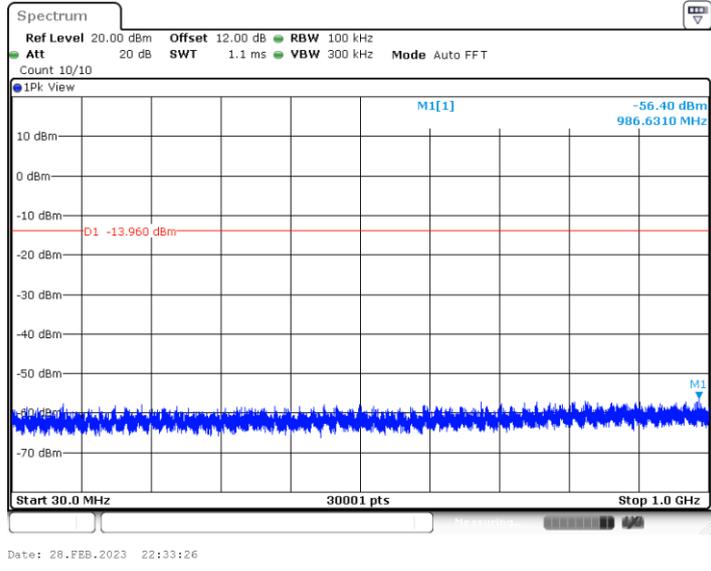
BLE_1M_Ant4_2480_1000~26500



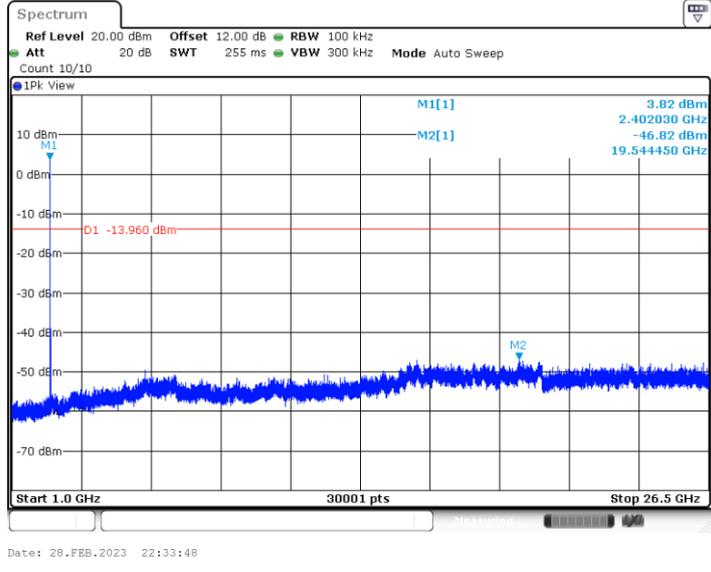
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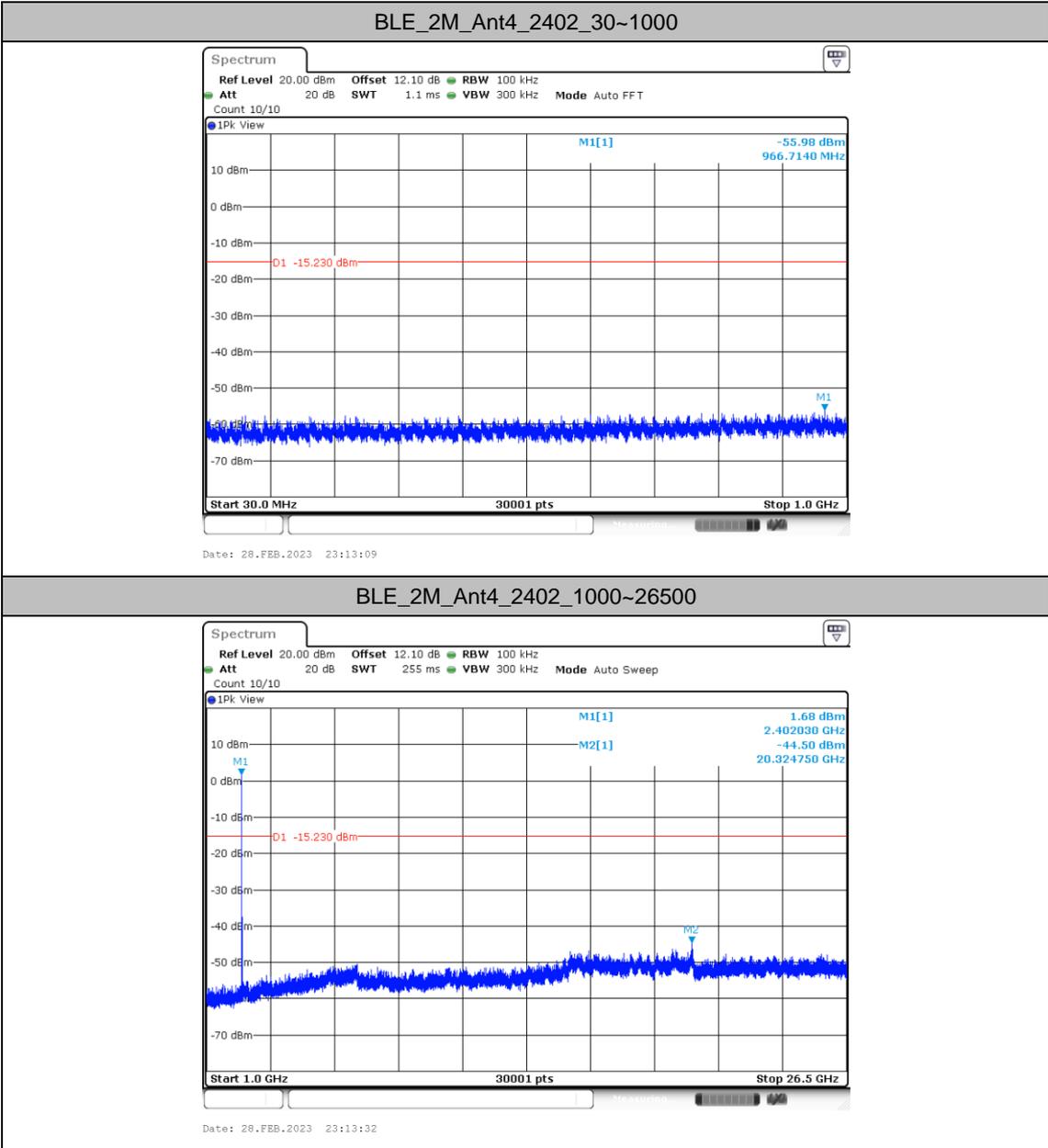


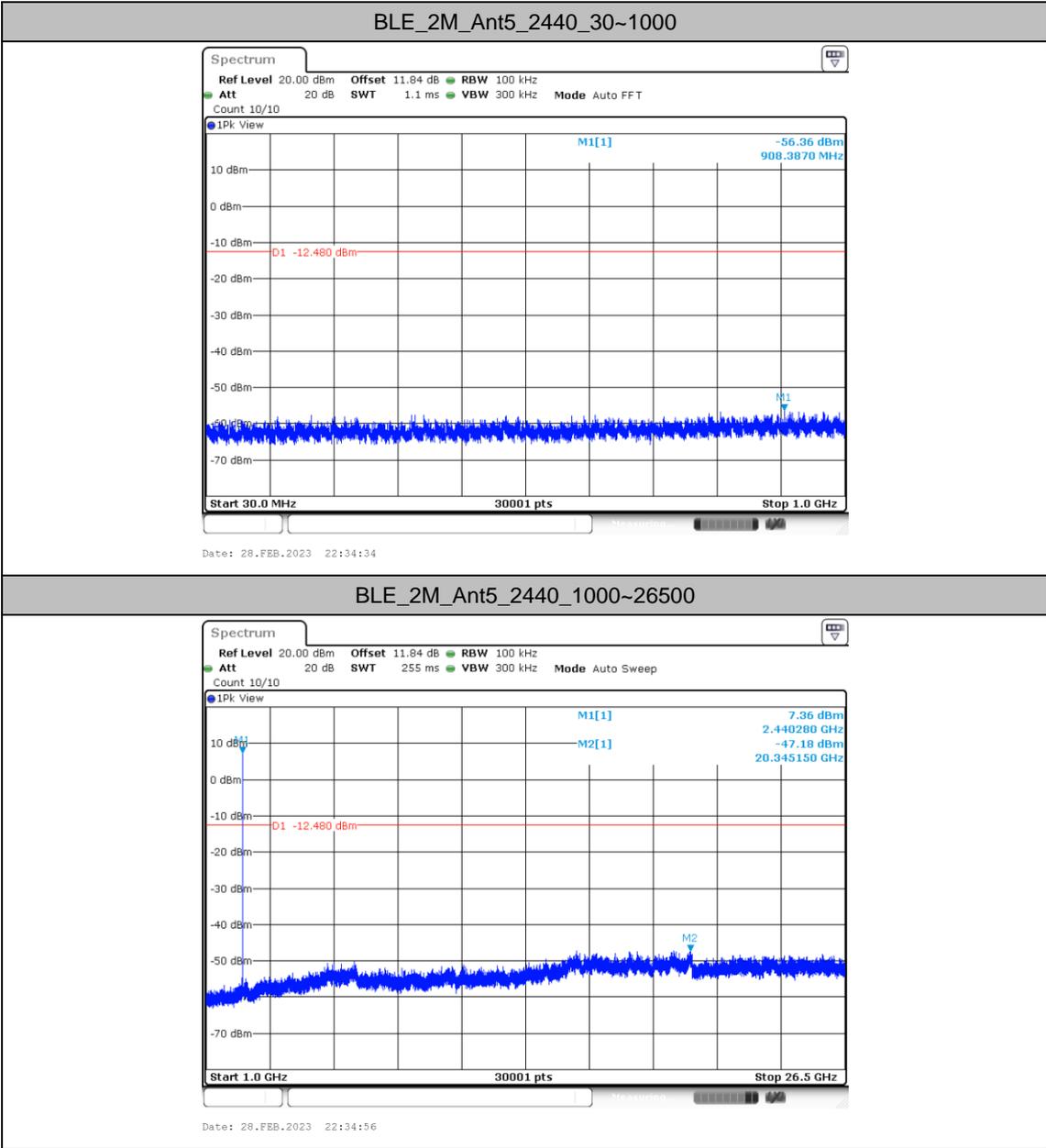
BLE_2M_Ant5_2402_30~1000

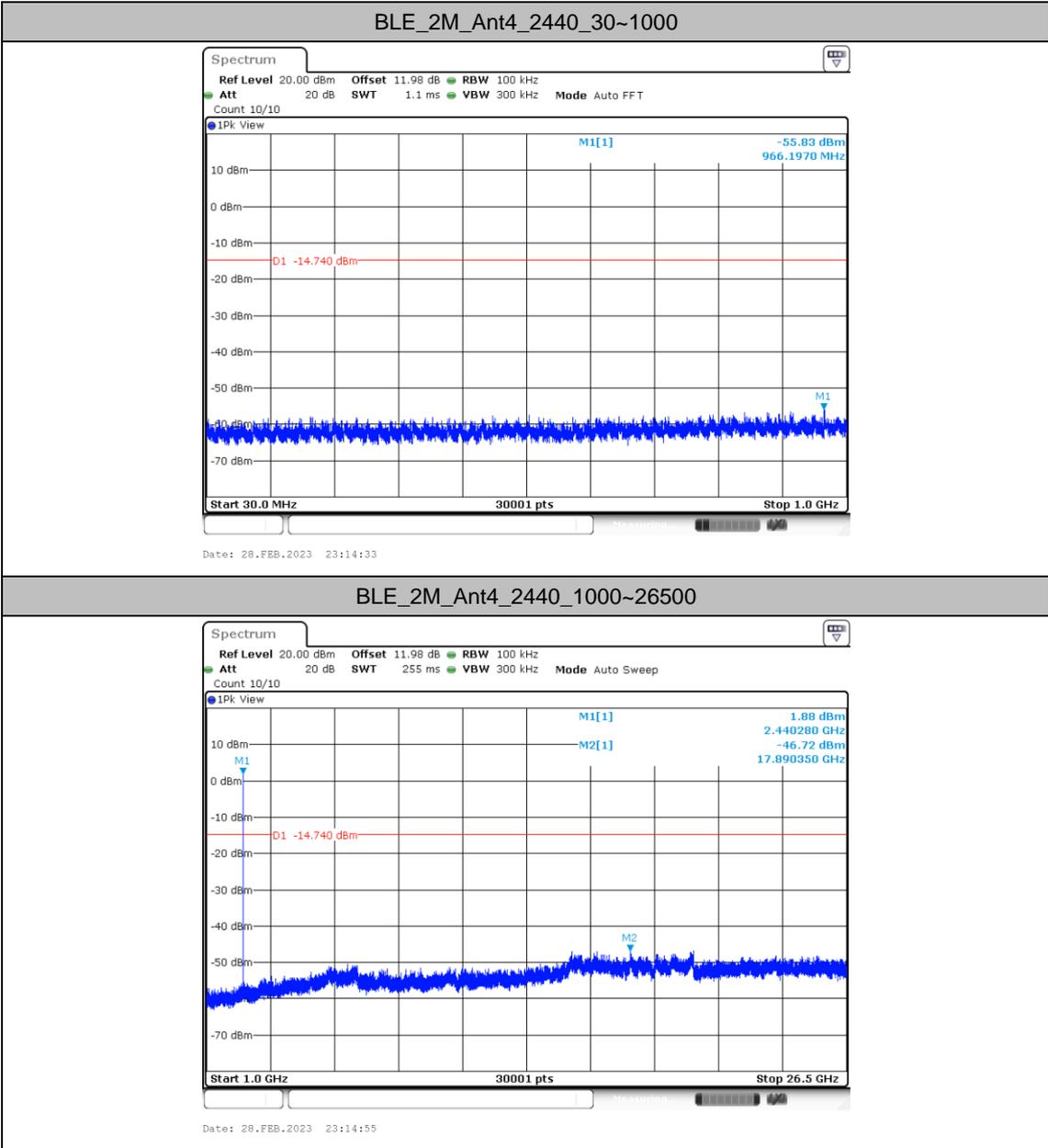


BLE_2M_Ant5_2402_1000~26500



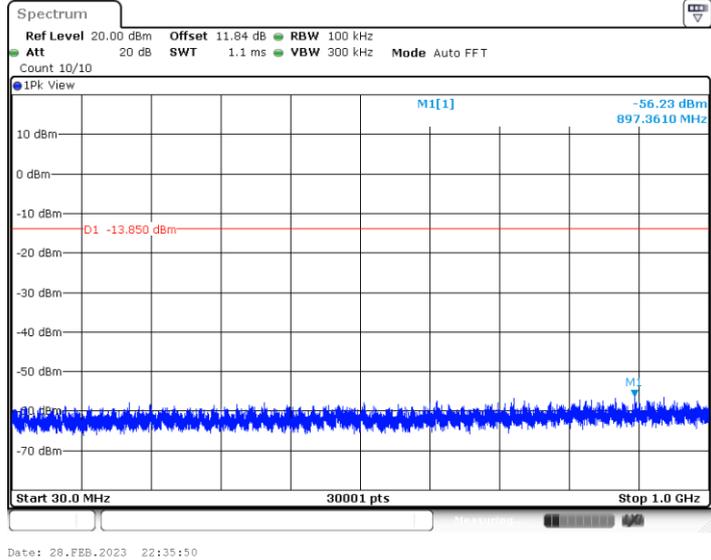




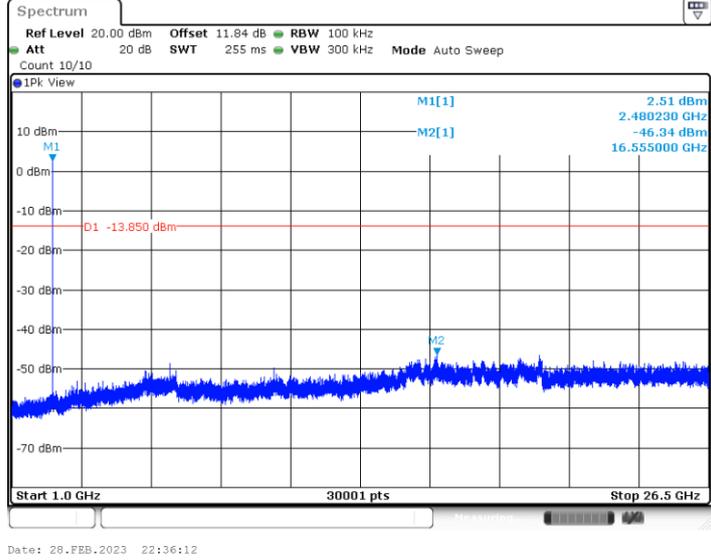


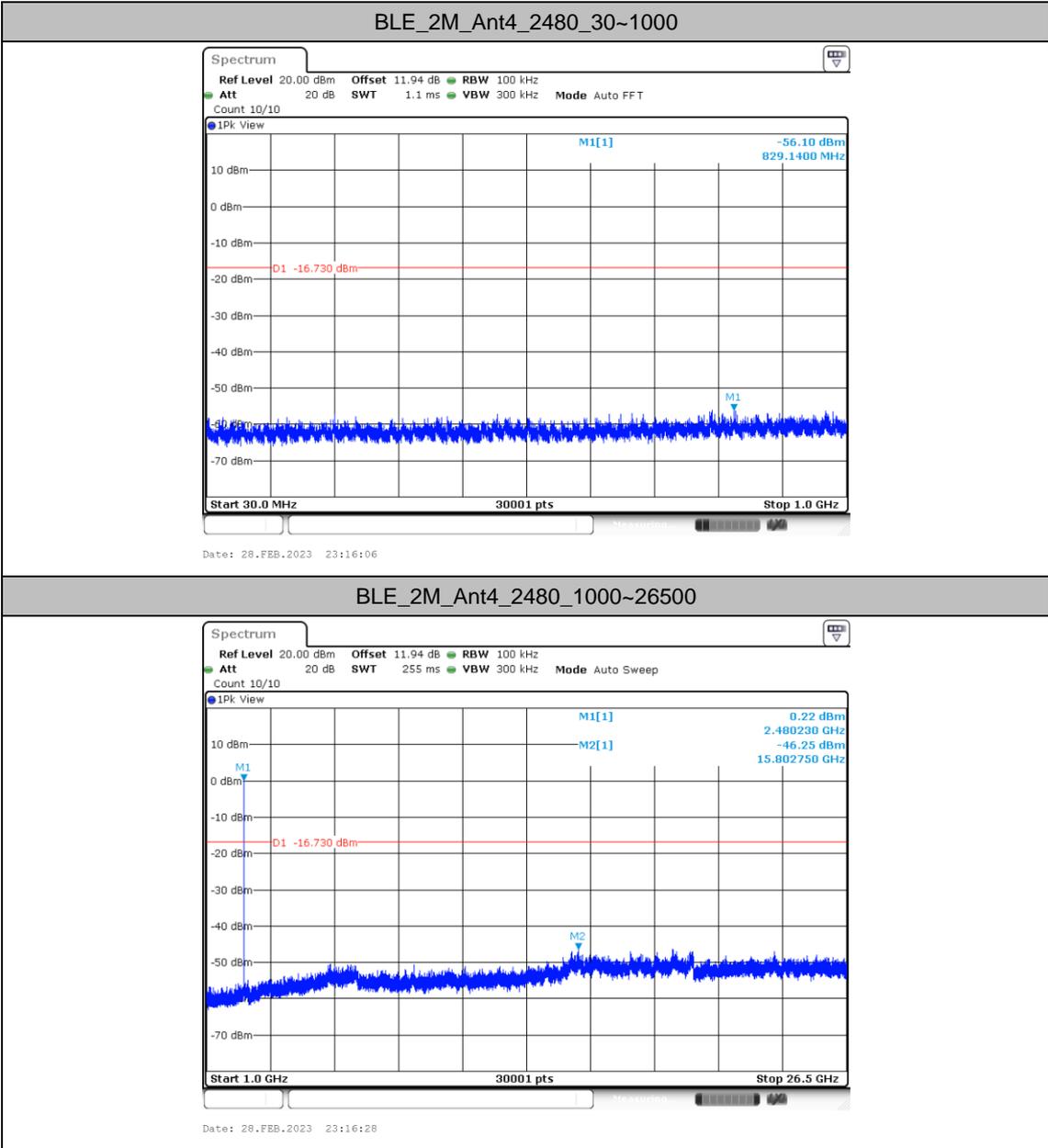


BLE_2M_Ant5_2480_30~1000



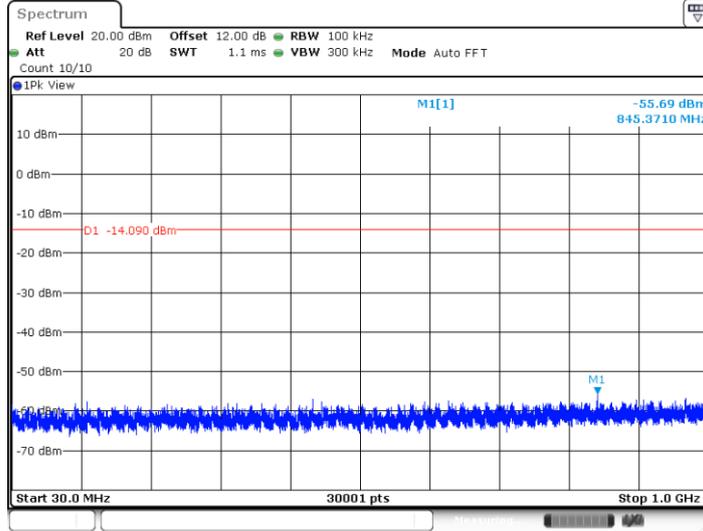
BLE_2M_Ant5_2480_1000~26500





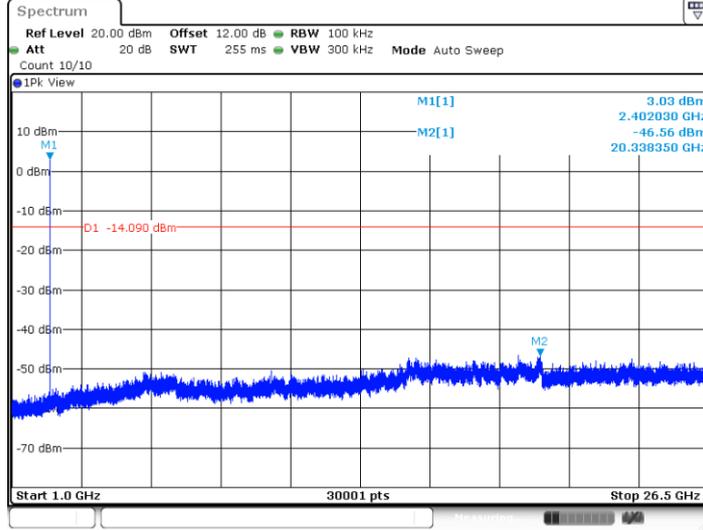


BLE_125K_Ant5_2402_30~1000



Date: 28.FEB.2023 22:37:31

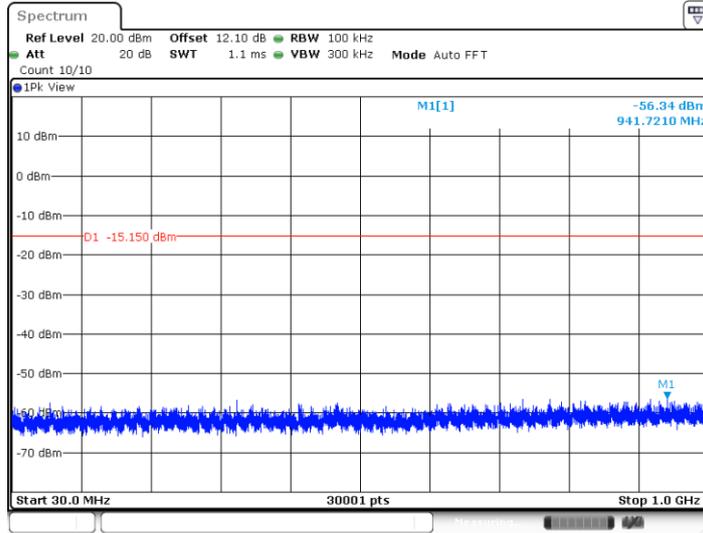
BLE_125K_Ant5_2402_1000~26500



Date: 28.FEB.2023 22:37:53

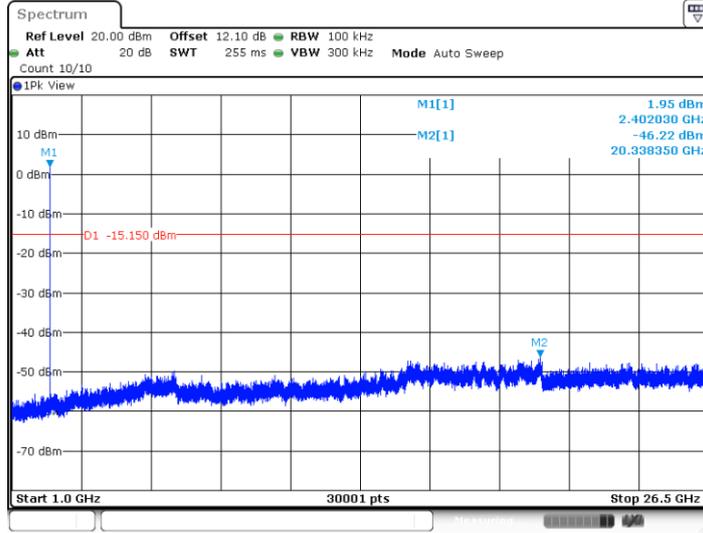


BLE_125K_Ant4_2402_30~1000



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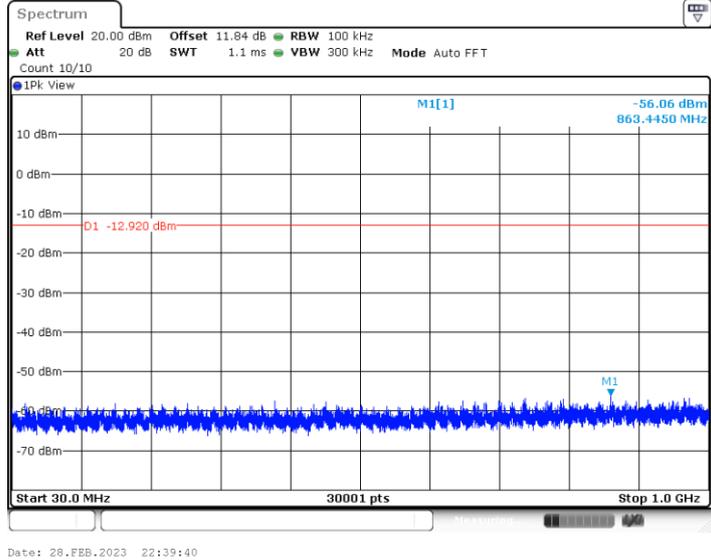
BLE_125K_Ant4_2402_1000~26500



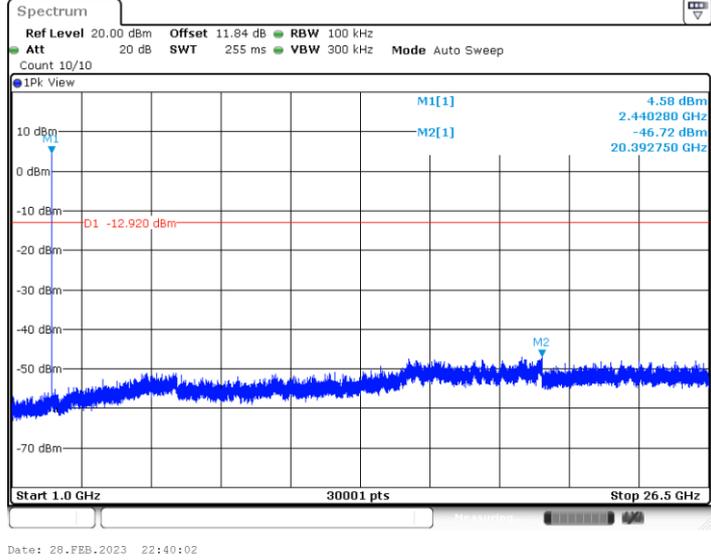
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BLE_125K_Ant5_2440_30~1000

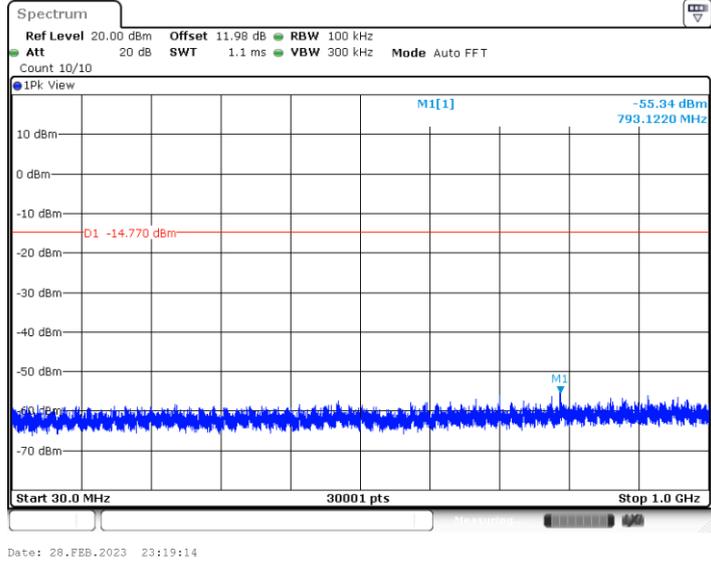


BLE_125K_Ant5_2440_1000~26500

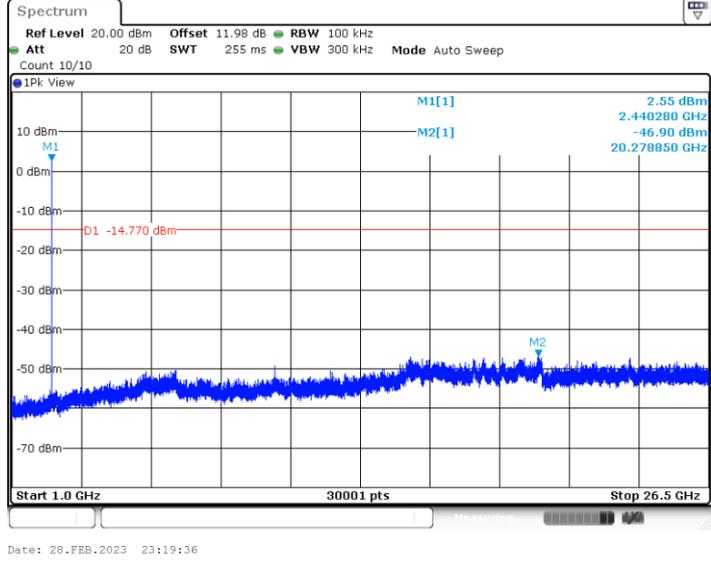




BLE_125K_Ant4_2440_30~1000

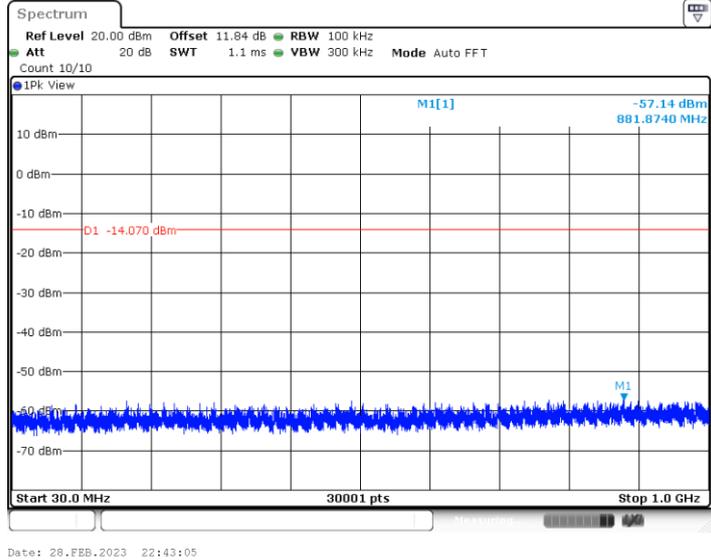


BLE_125K_Ant4_2440_1000~26500

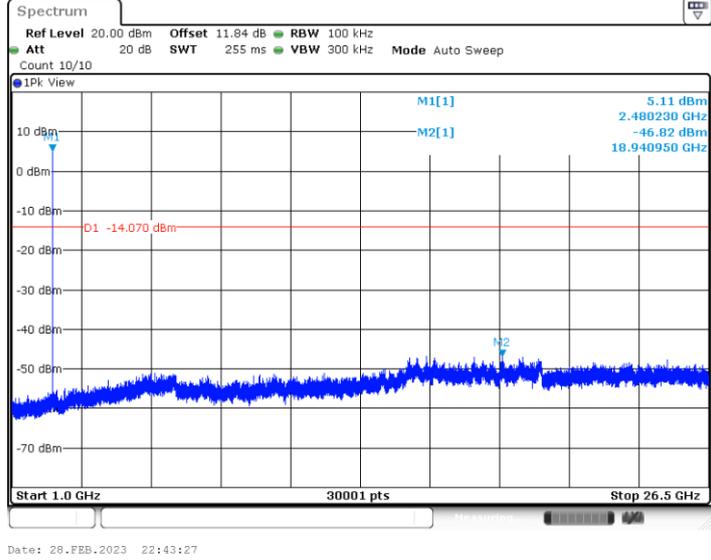




BLE_125K_Ant5_2480_30~1000

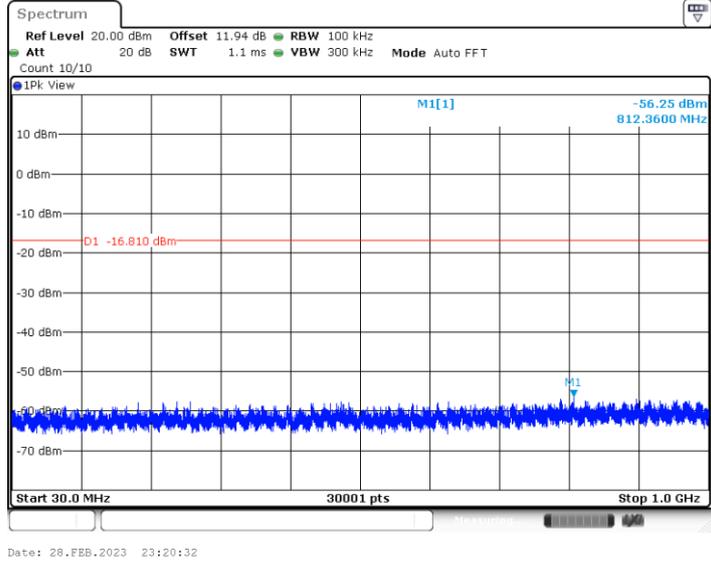


BLE_125K_Ant5_2480_1000~26500

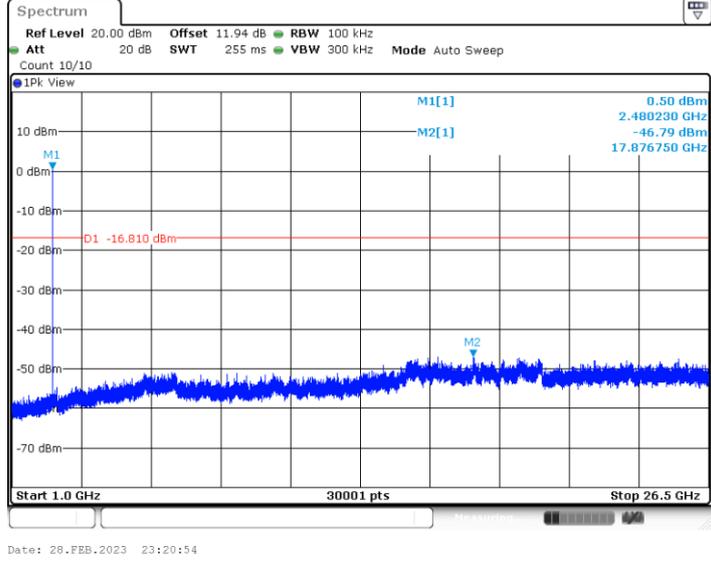




BLE_125K_Ant4_2480_30~1000

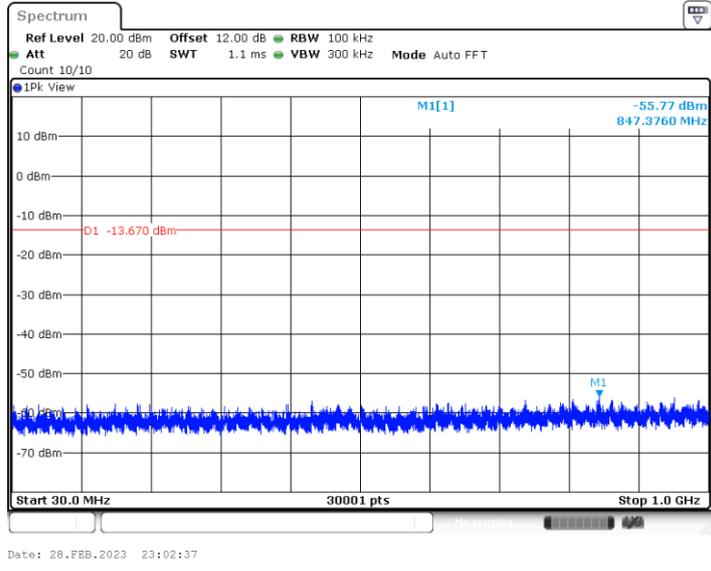


BLE_125K_Ant4_2480_1000~26500

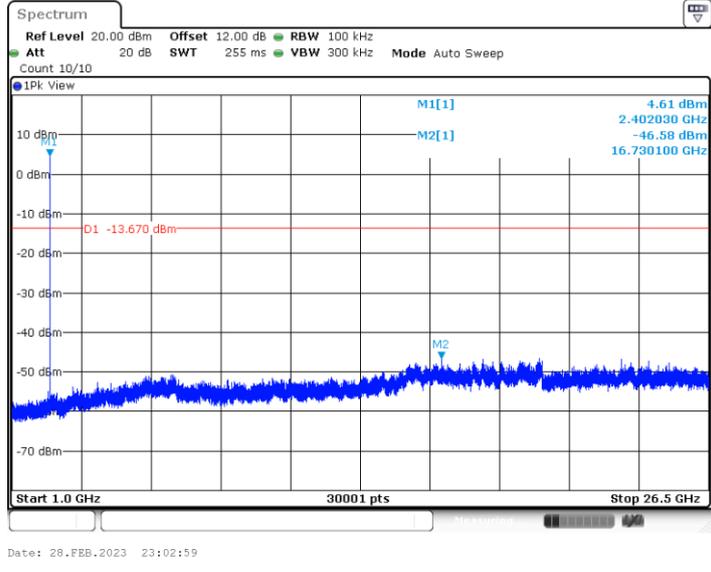




BLE_500K_Ant5_2402_30~1000

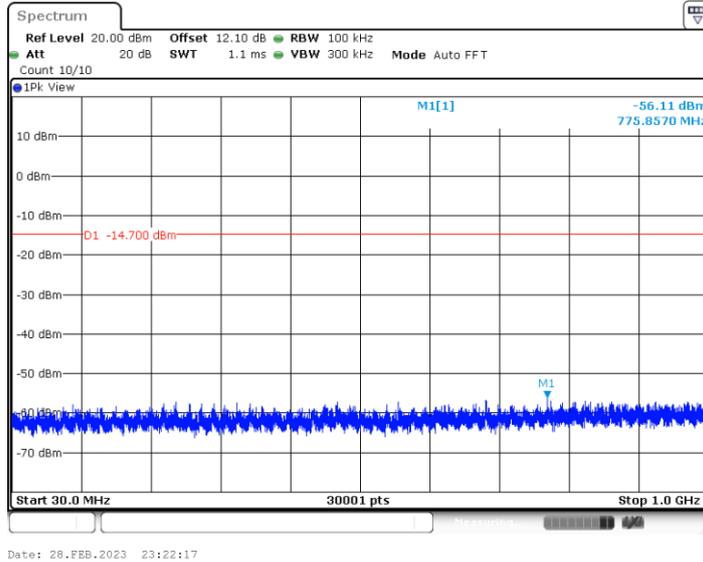


BLE_500K_Ant5_2402_1000~26500

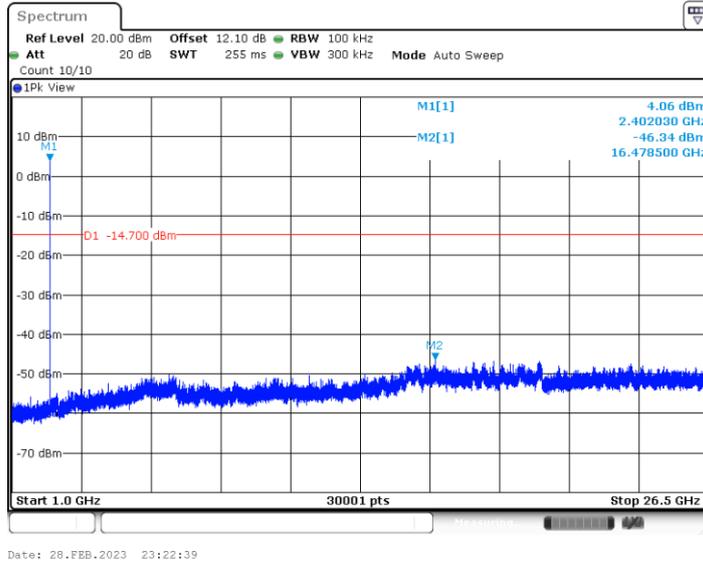


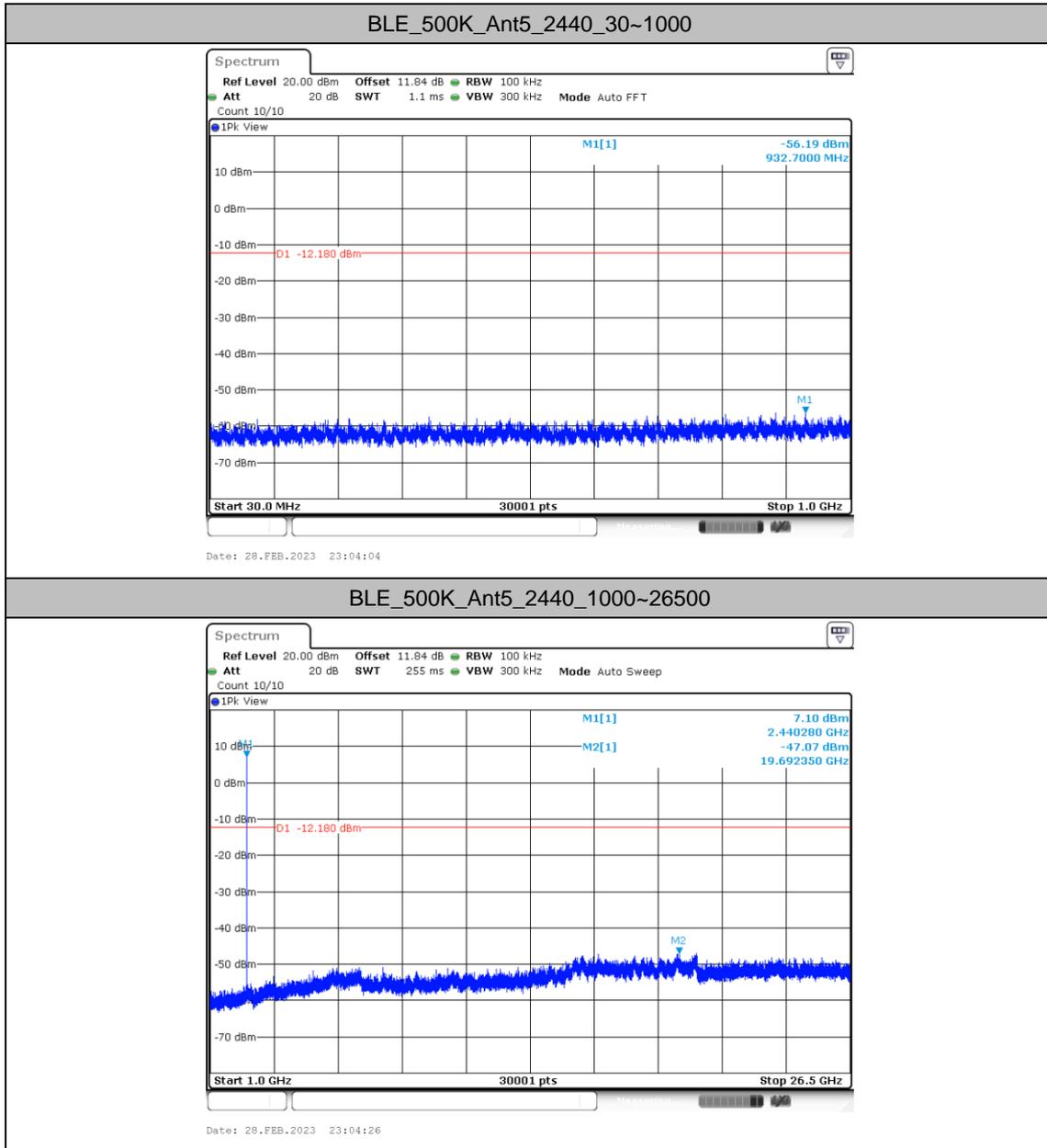


BLE_500K_Ant4_2402_30~1000



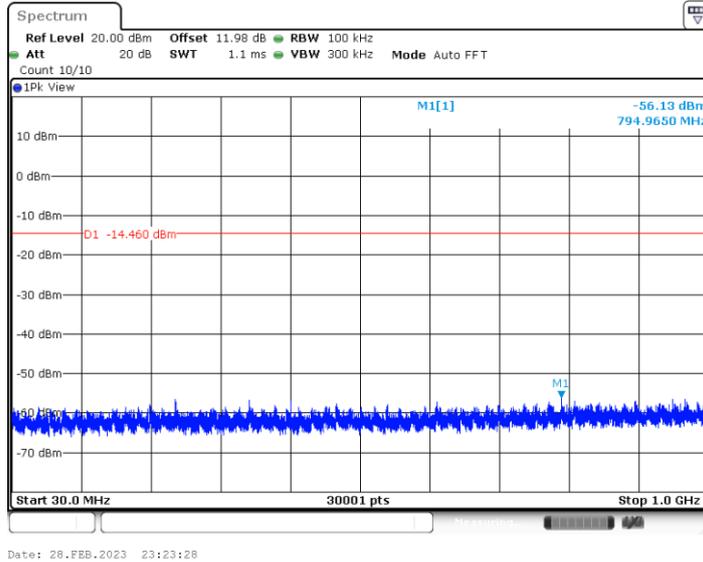
BLE_500K_Ant4_2402_1000~26500



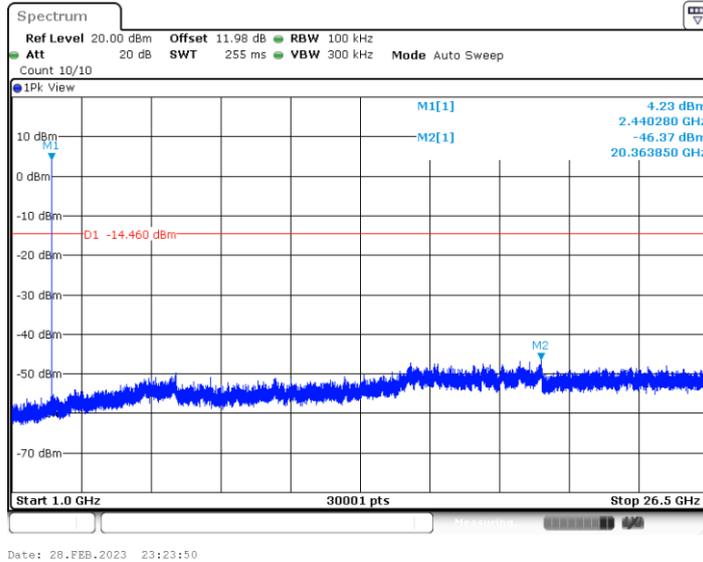




BLE_500K_Ant4_2440_30~1000

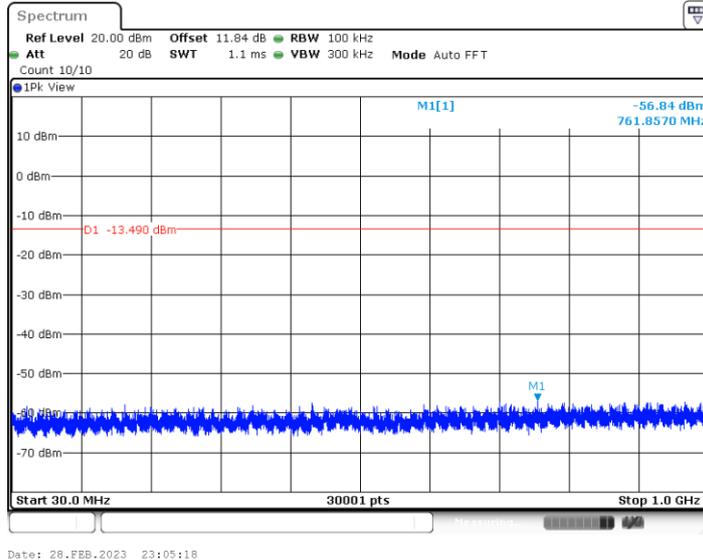


BLE_500K_Ant4_2440_1000~26500

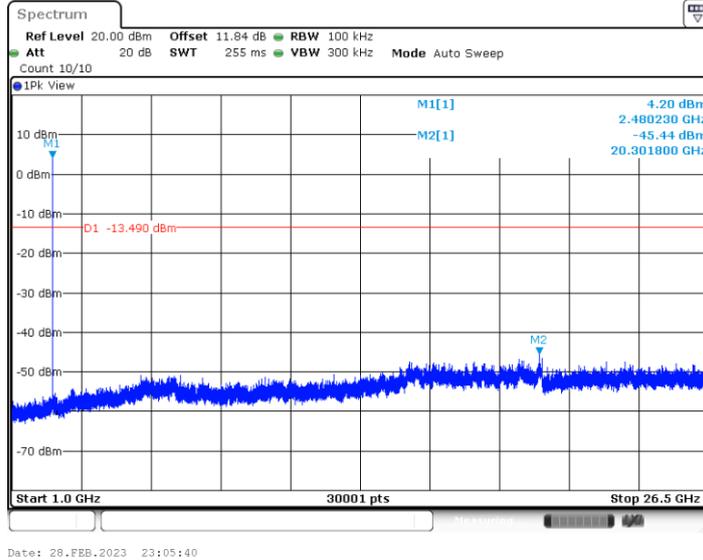




BLE_500K_Ant5_2480_30~1000

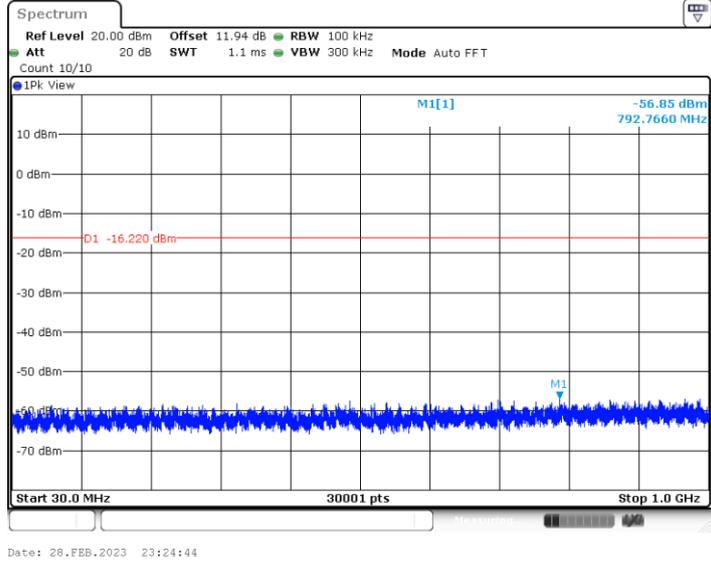


BLE_500K_Ant5_2480_1000~26500

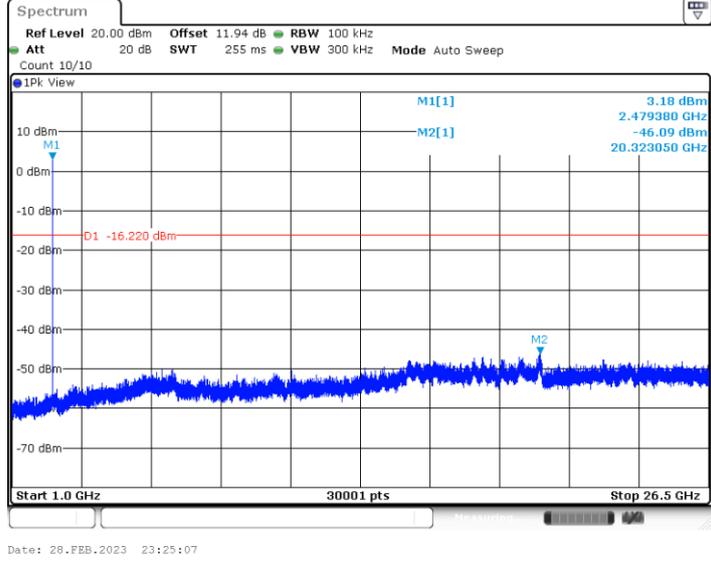




BLE_500K_Ant4_2480_30~1000



BLE_500K_Ant4_2480_1000~26500





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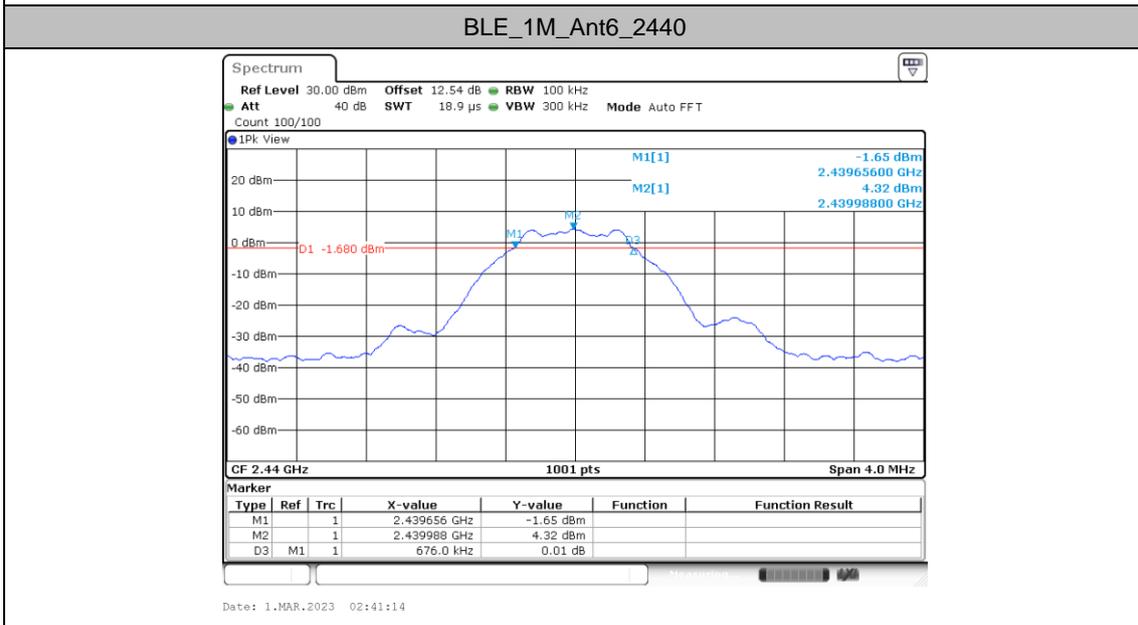
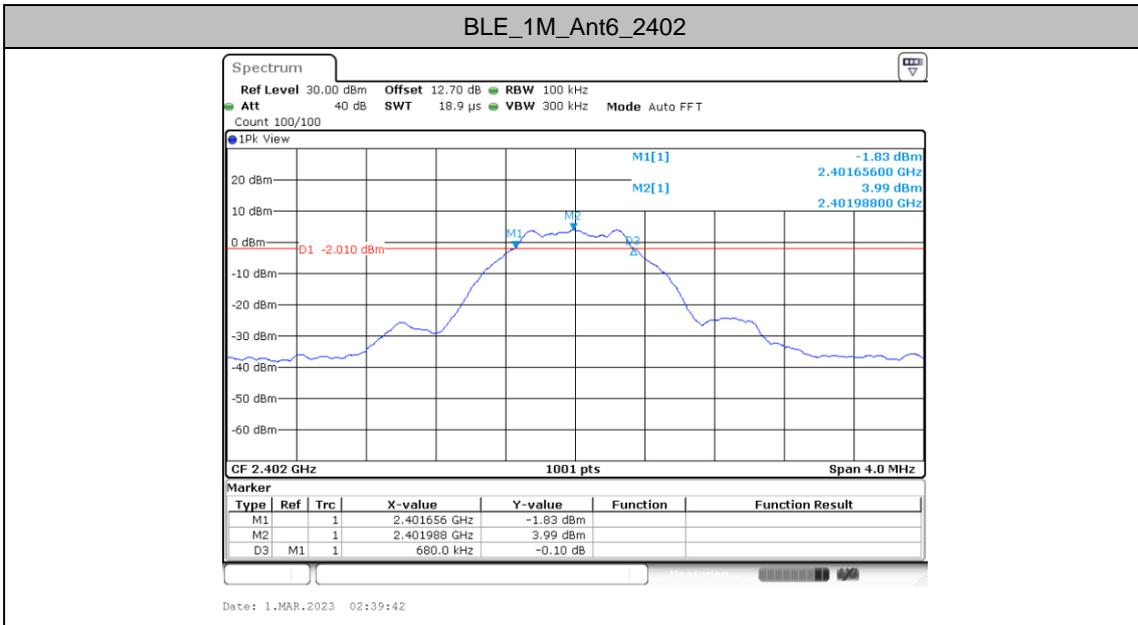
DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant6	2402	0.68	2401.66	2402.34	0.5	PASS
		2440	0.68	2439.66	2440.33	0.5	PASS
		2480	0.69	2479.64	2480.32	0.5	PASS
BLE_2M	Ant6	2402	1.14	2401.42	2402.57	0.5	PASS
		2440	1.15	2439.42	2440.57	0.5	PASS
		2480	1.15	2479.41	2480.56	0.5	PASS
BLE_125K	Ant6	2402	0.61	2401.69	2402.30	0.5	PASS
		2440	0.61	2439.69	2440.30	0.5	PASS
		2480	0.63	2479.68	2480.30	0.5	PASS
BLE_500K	Ant6	2402	0.66	2401.67	2402.33	0.5	PASS
		2440	0.66	2439.67	2440.33	0.5	PASS
		2480	0.65	2479.67	2480.32	0.5	PASS

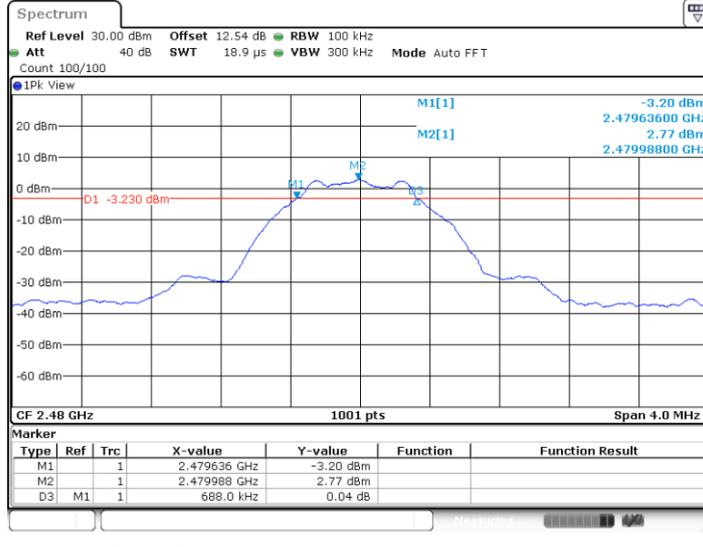


Test Graphs

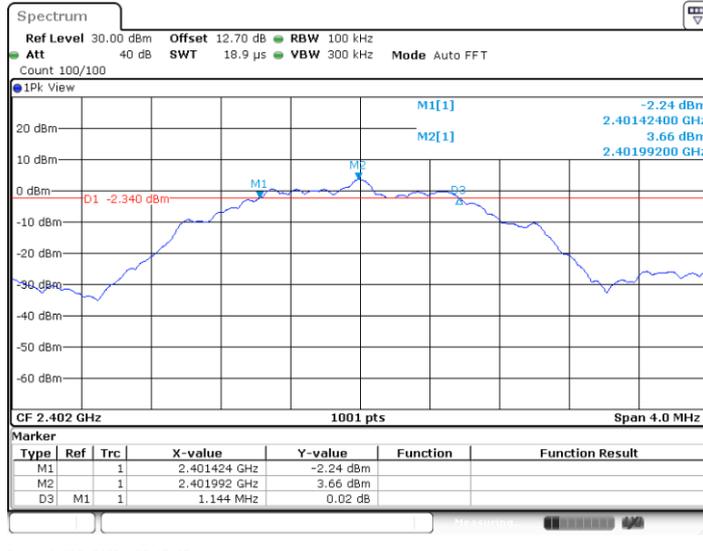




BLE_1M_Ant6_2480

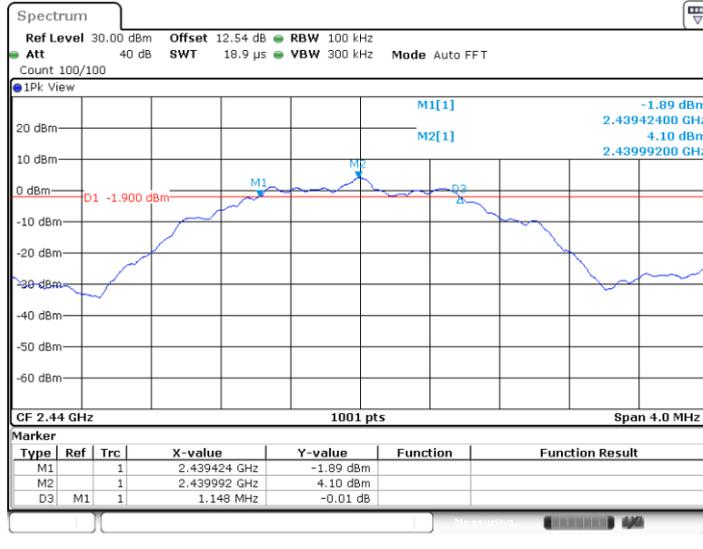


BLE_2M_Ant6_2402

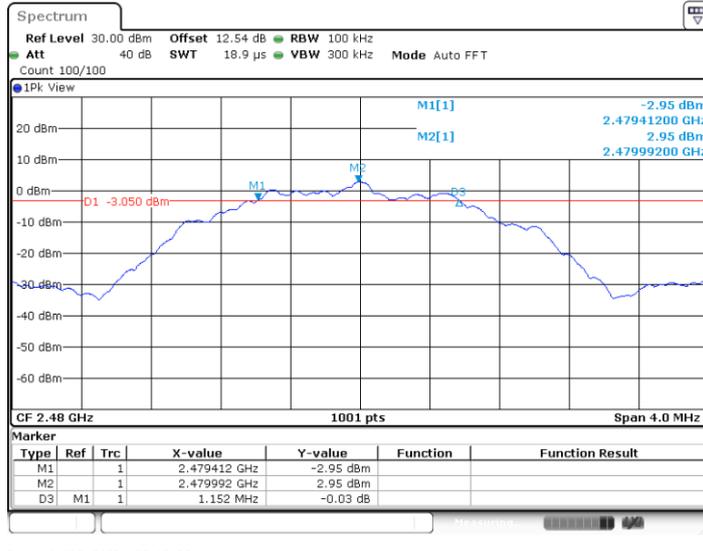


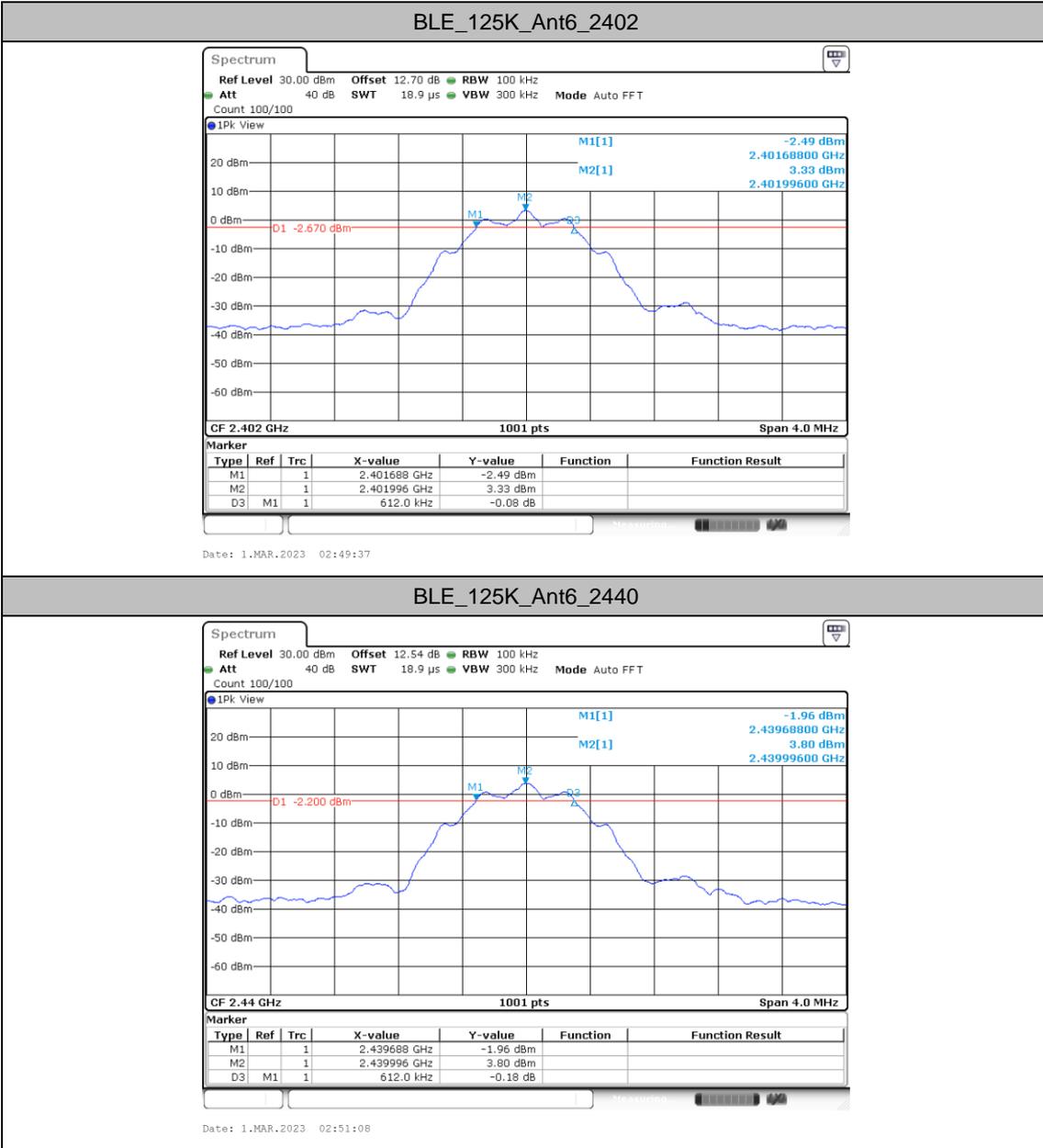


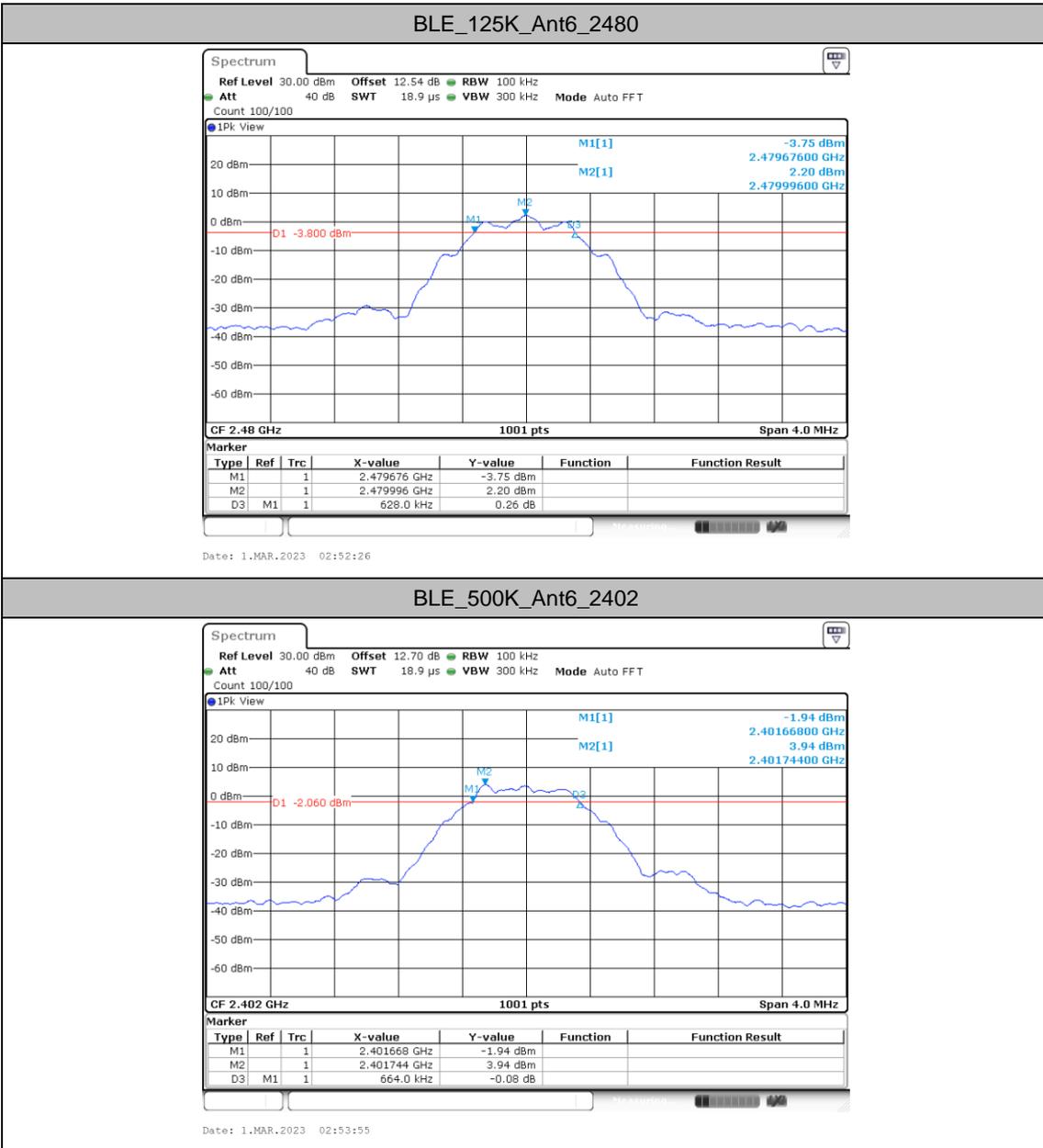
BLE_2M_Ant6_2440



BLE_2M_Ant6_2480











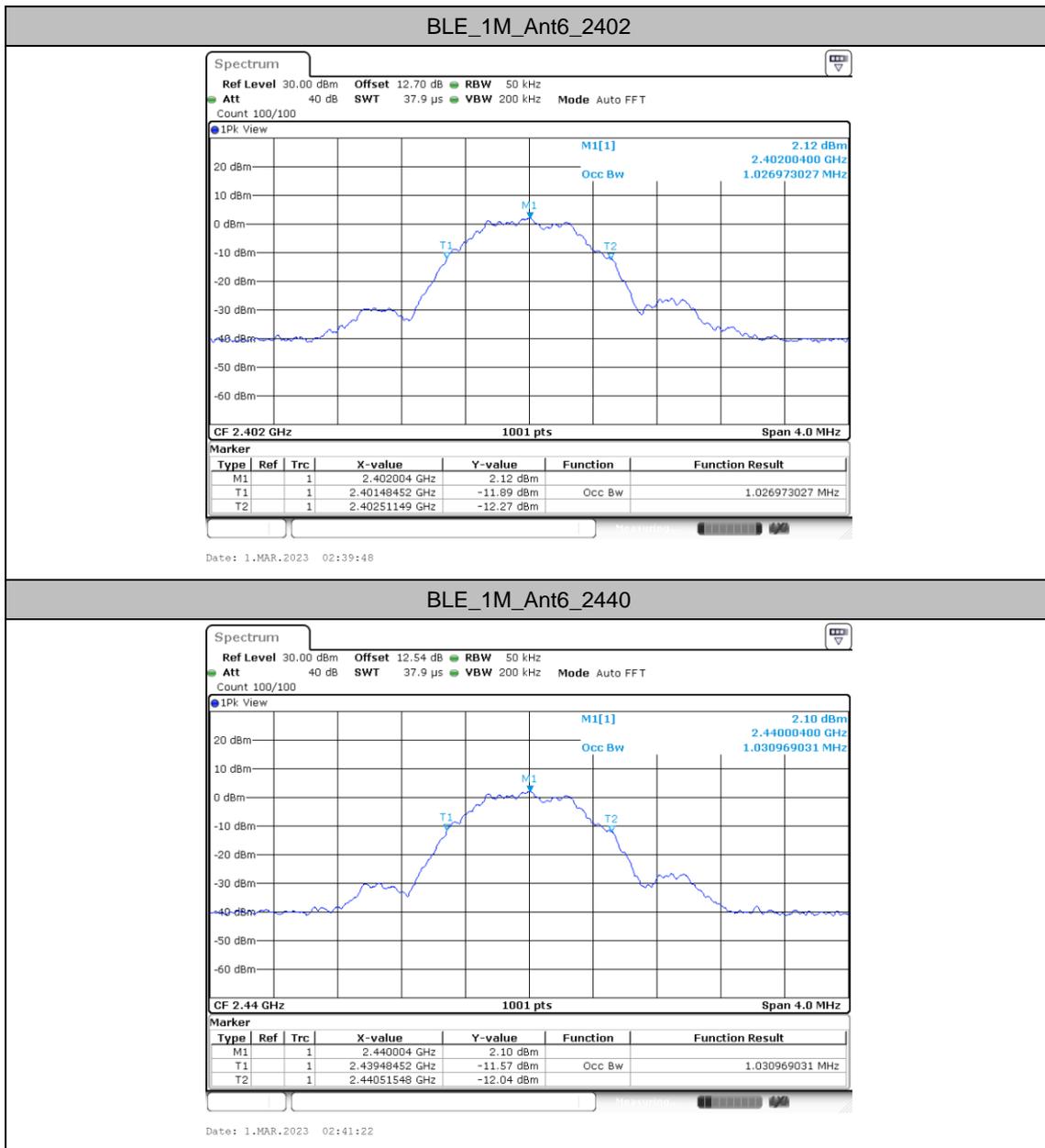
Occupied Channel Bandwidth

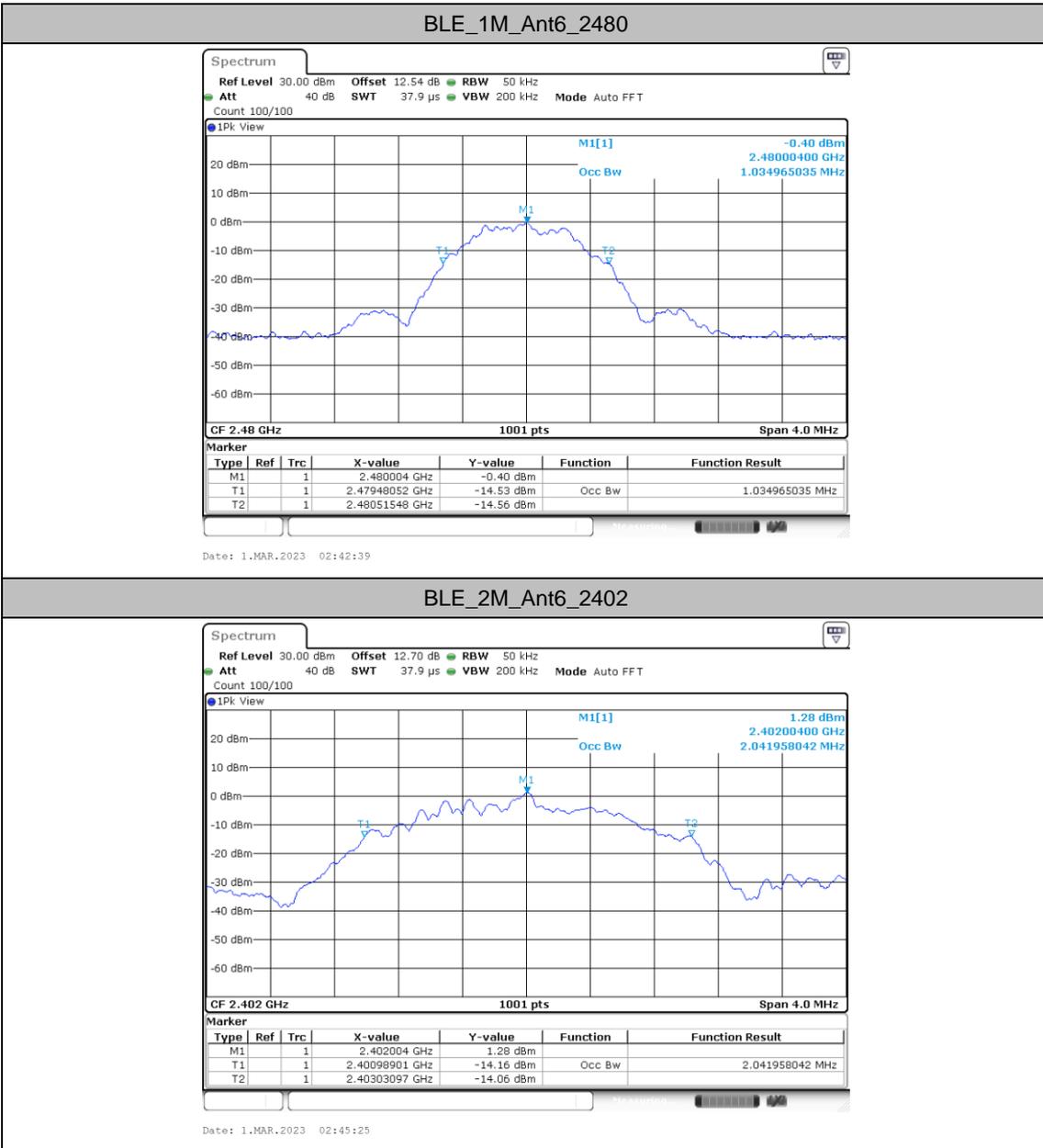
Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant6	2402	1.027	2401.4845	2402.5115	---	---
		2440	1.031	2439.4845	2440.5155	---	---
		2480	1.035	2479.4805	2480.5155	---	---
BLE_2M	Ant6	2402	2.042	2400.9890	2403.0310	---	---
		2440	2.046	2438.9850	2441.0310	---	---
		2480	2.054	2478.9770	2481.0310	---	---
BLE_125K	Ant6	2402	1.051	2401.4685	2402.5195	---	---
		2440	1.055	2439.4645	2440.5195	---	---
		2480	1.059	2479.4605	2480.5195	---	---
BLE_500K	Ant6	2402	1.031	2401.4845	2402.5155	---	---
		2440	1.035	2439.4805	2440.5155	---	---
		2480	1.031	2479.4805	2480.5115	---	---



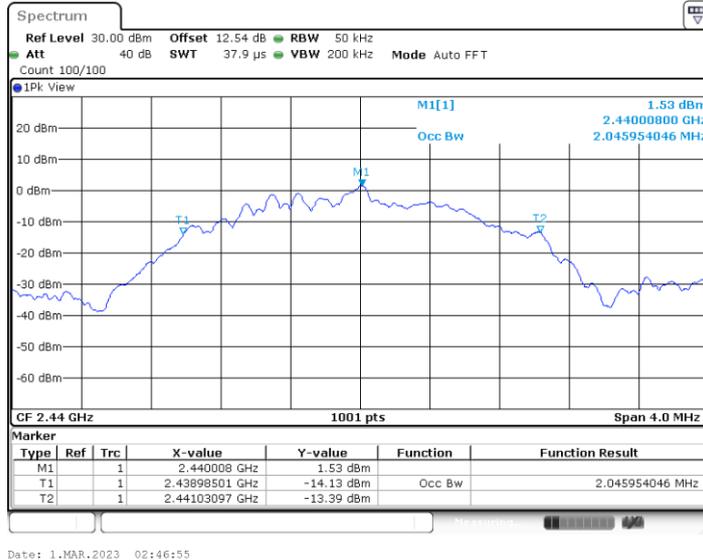
Test Graphs



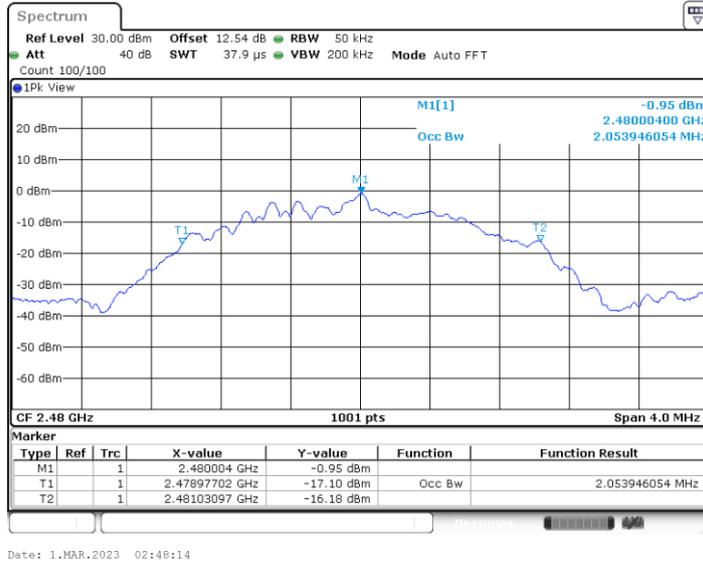


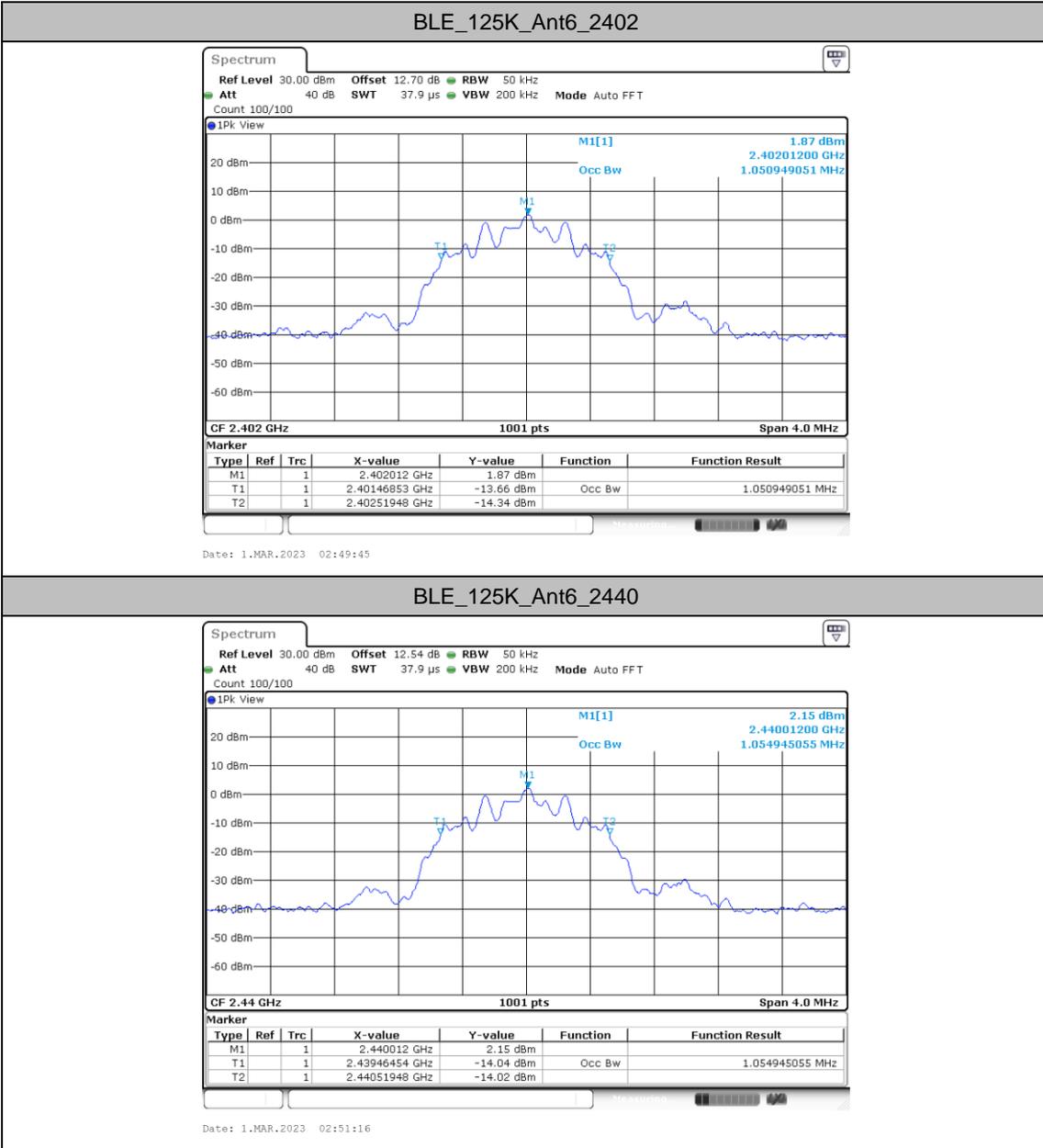


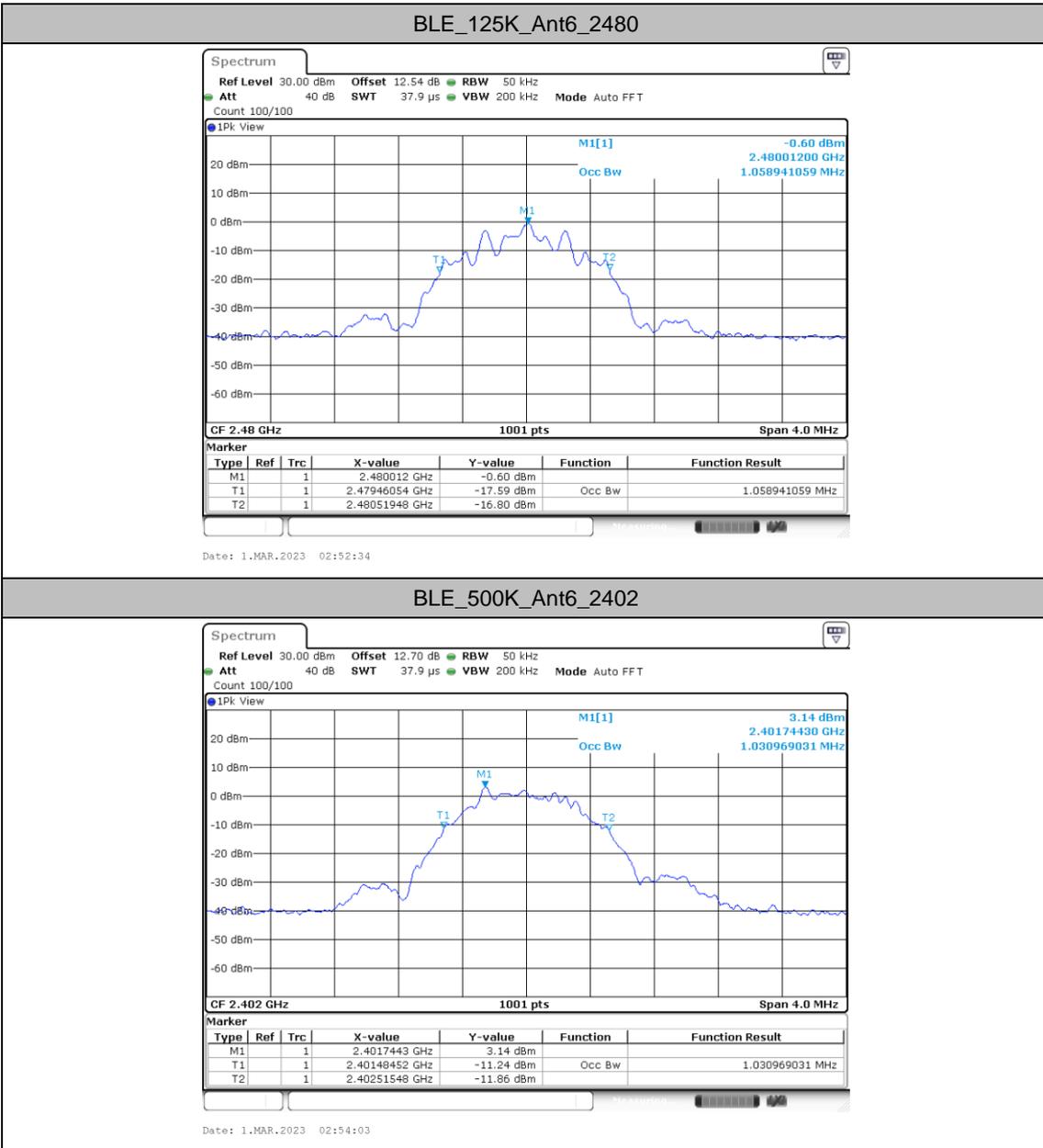
BLE_2M_Ant6_2440

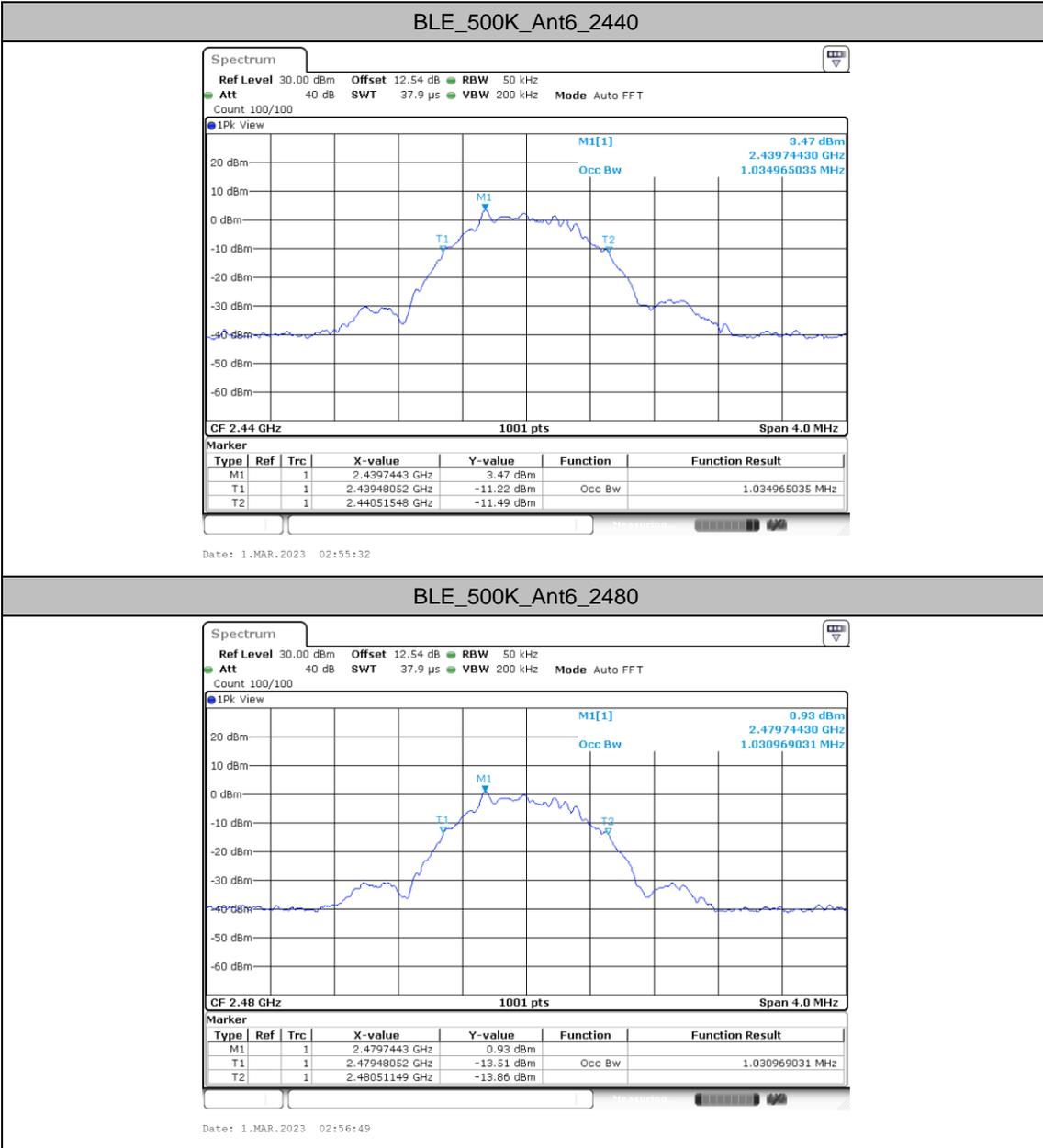


BLE_2M_Ant6_2480











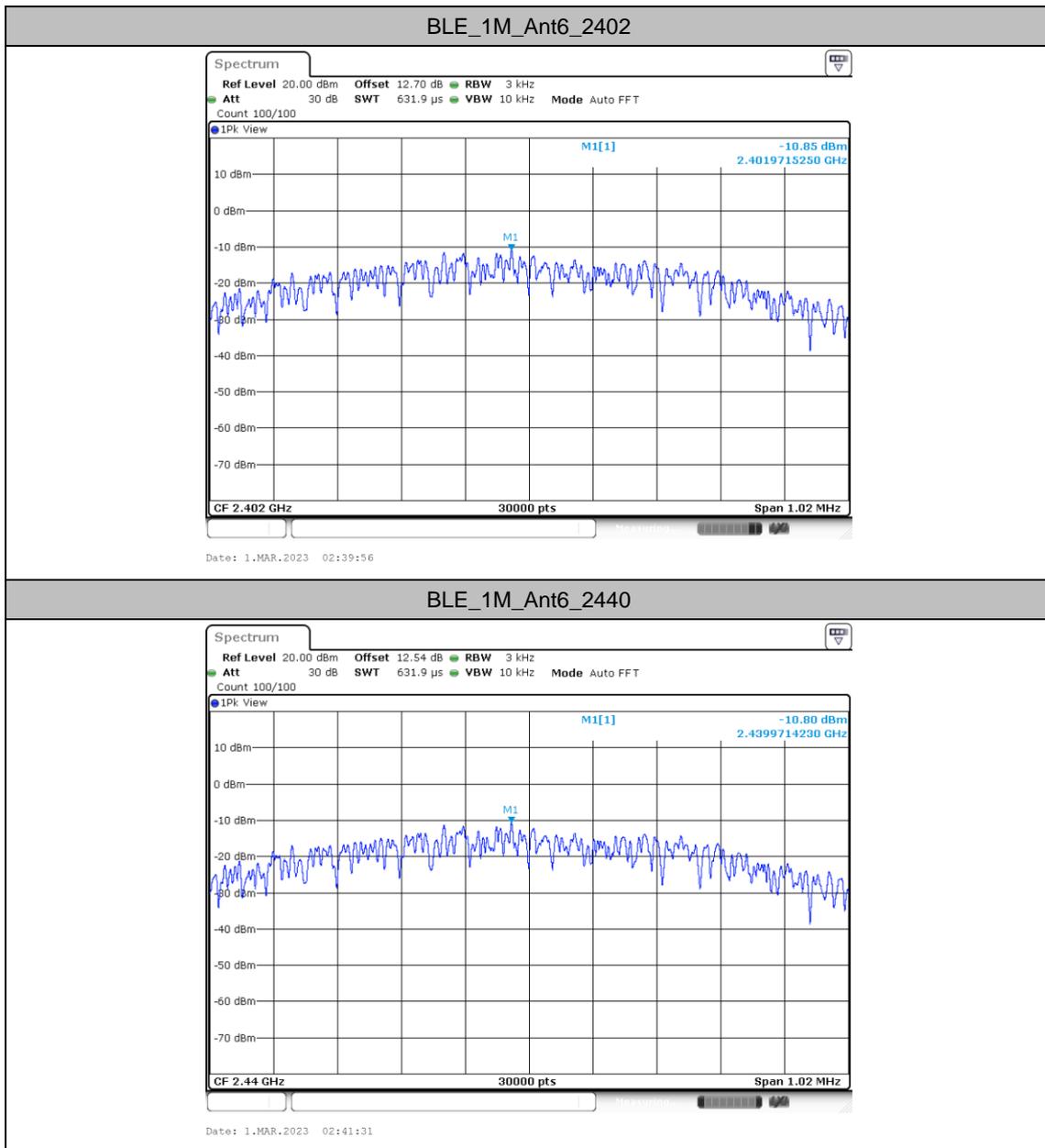
Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant6	2402	-10.85	≤8.00	PASS
		2440	-10.8	≤8.00	PASS
		2480	-13.38	≤8.00	PASS
BLE_2M	Ant6	2402	-13.19	≤8.00	PASS
		2440	-12.91	≤8.00	PASS
		2480	-15.46	≤8.00	PASS
BLE_125K	Ant6	2402	-1.7	≤8.00	PASS
		2440	-1.62	≤8.00	PASS
		2480	-4.19	≤8.00	PASS
BLE_500K	Ant6	2402	-2.19	≤8.00	PASS
		2440	-1.81	≤8.00	PASS
		2480	-4.31	≤8.00	PASS

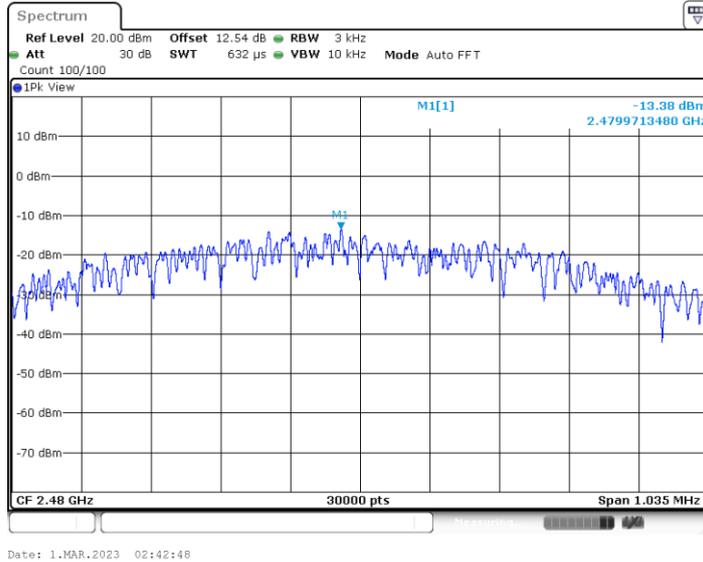


Test Graphs

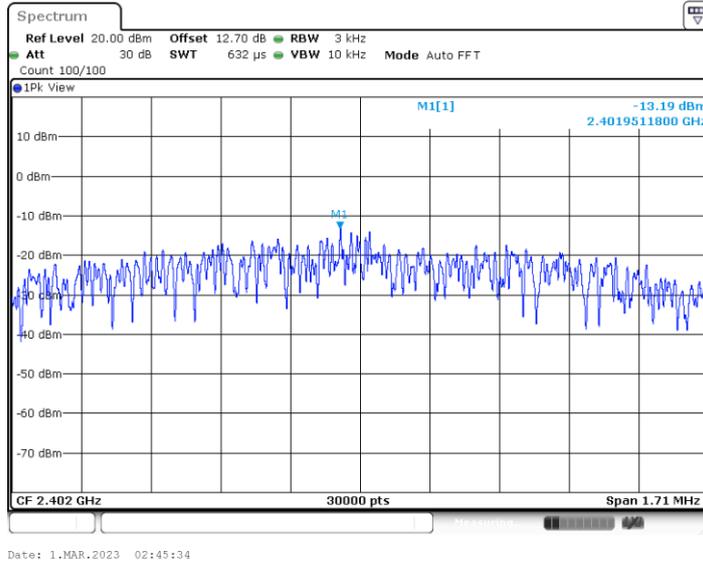




BLE_1M_Ant6_2480



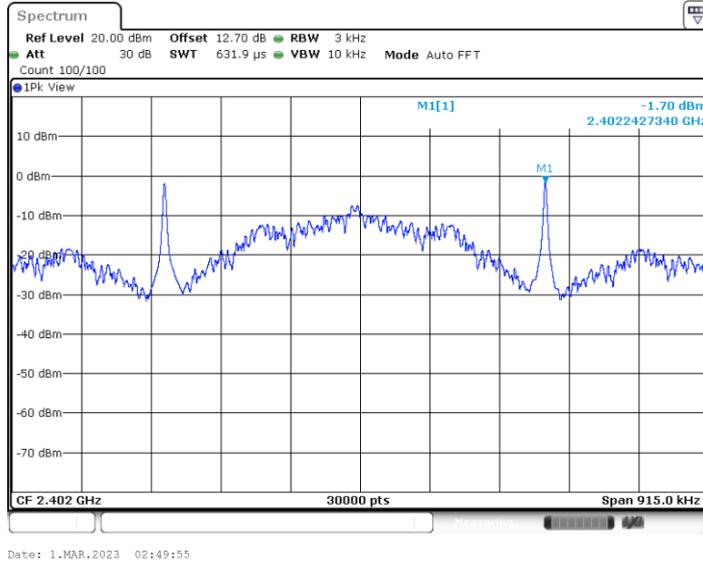
BLE_2M_Ant6_2402



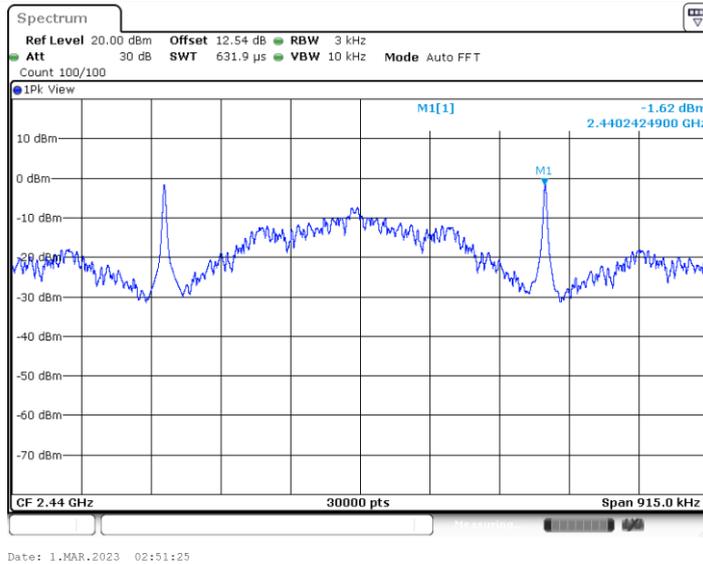




BLE_125K_Ant6_2402

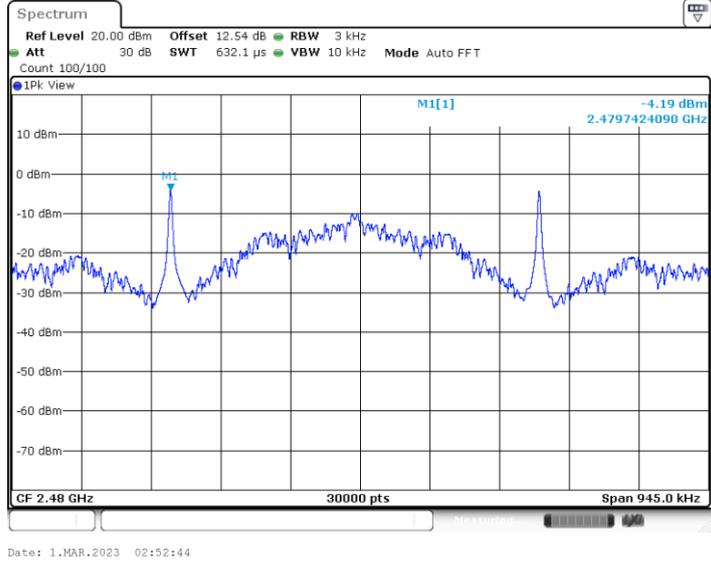


BLE_125K_Ant6_2440

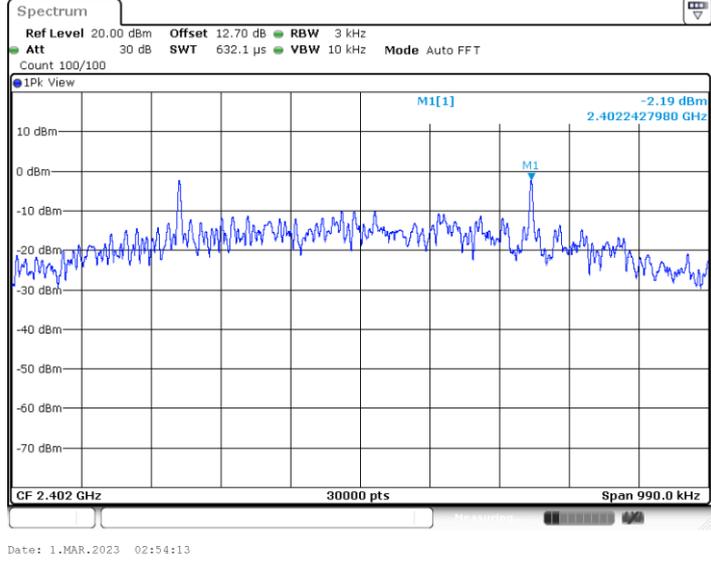




BLE_125K_Ant6_2480

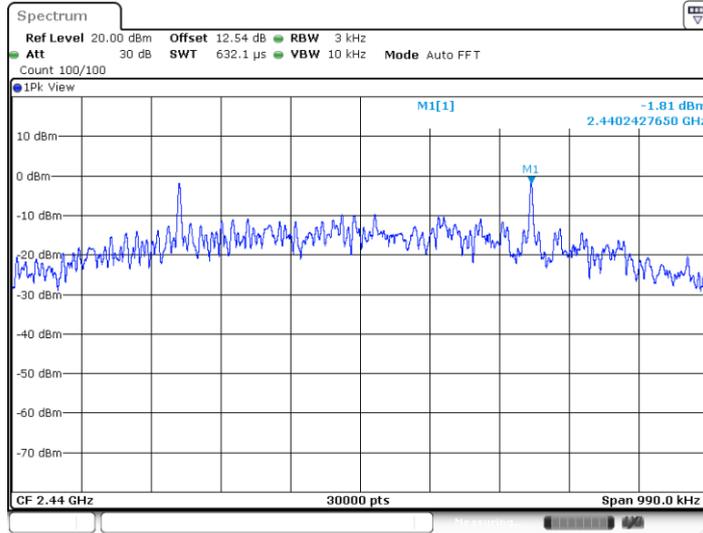


BLE_500K_Ant6_2402



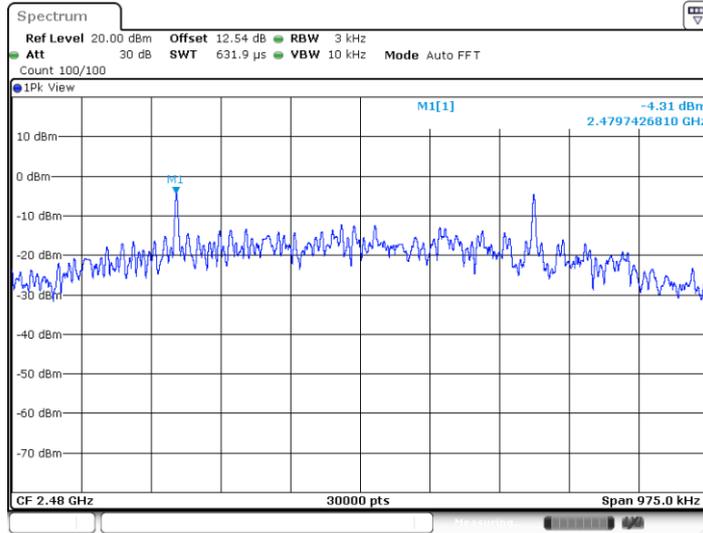


BLE_500K_Ant6_2440



Date: 1.MAR.2023 02:55:42

BLE_500K_Ant6_2480



Date: 1.MAR.2023 02:56:59



Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm/100KHz]
BLE_1M	Ant6	2402	2401.99	3.98
		2440	2439.99	4.02
		2480	2479.99	1.44
BLE_2M	Ant6	2402	2401.99	3.69
		2440	2439.99	4.06
		2480	2479.99	1.48
BLE_125K	Ant6	2402	2402.00	4.10
		2440	2440.00	4.10
		2480	2479.99	1.35
BLE_500K	Ant6	2402	2401.74	4.18
		2440	2439.74	4.53
		2480	2479.74	2.05