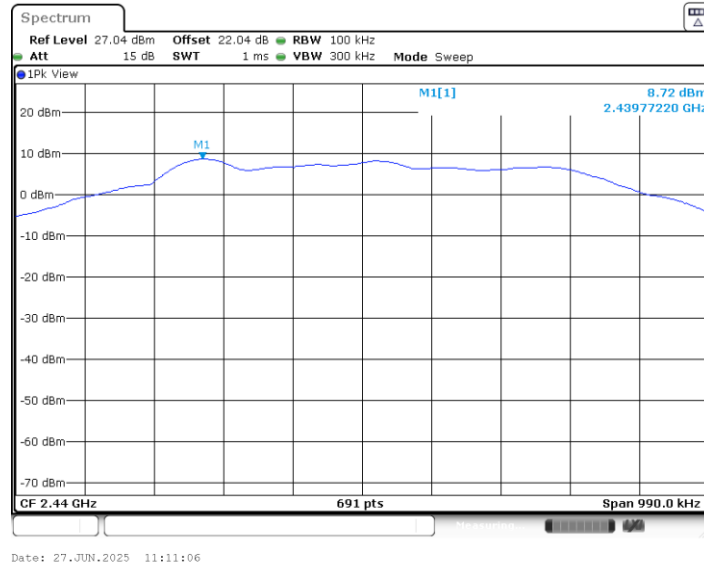
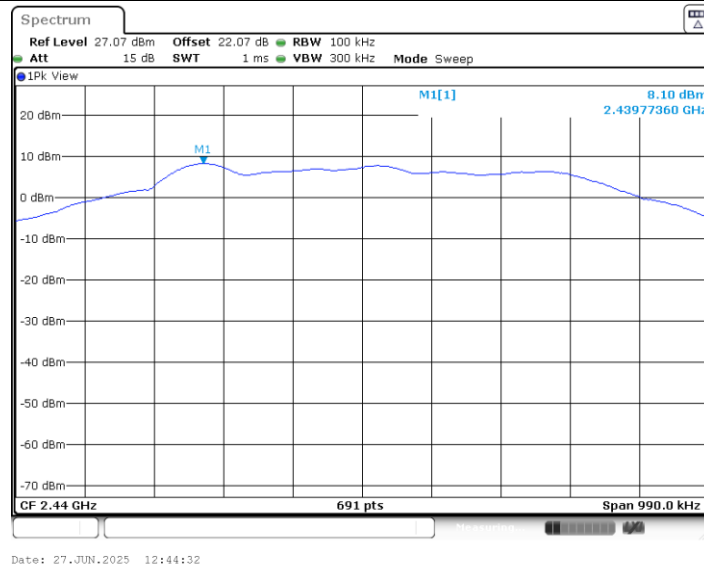




BLE_500K_Ant6_2440

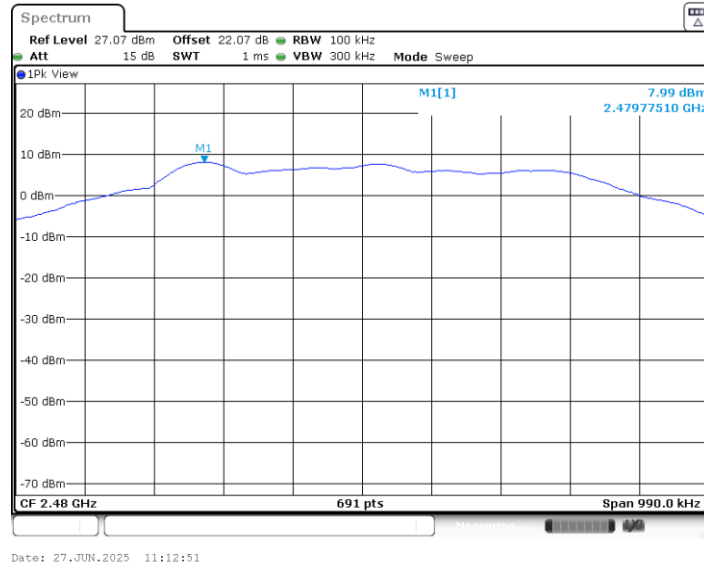


BLE_500K_Ant7_2440

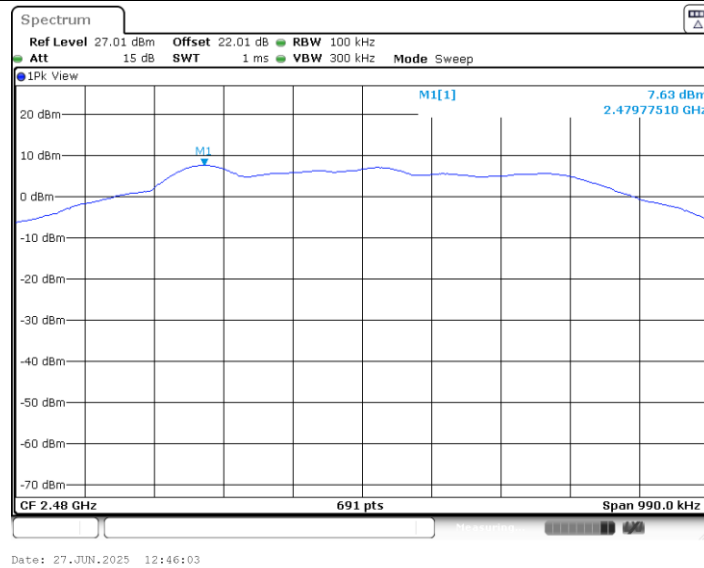




BLE_500K_Ant6_2480



BLE_500K_Ant7_2480





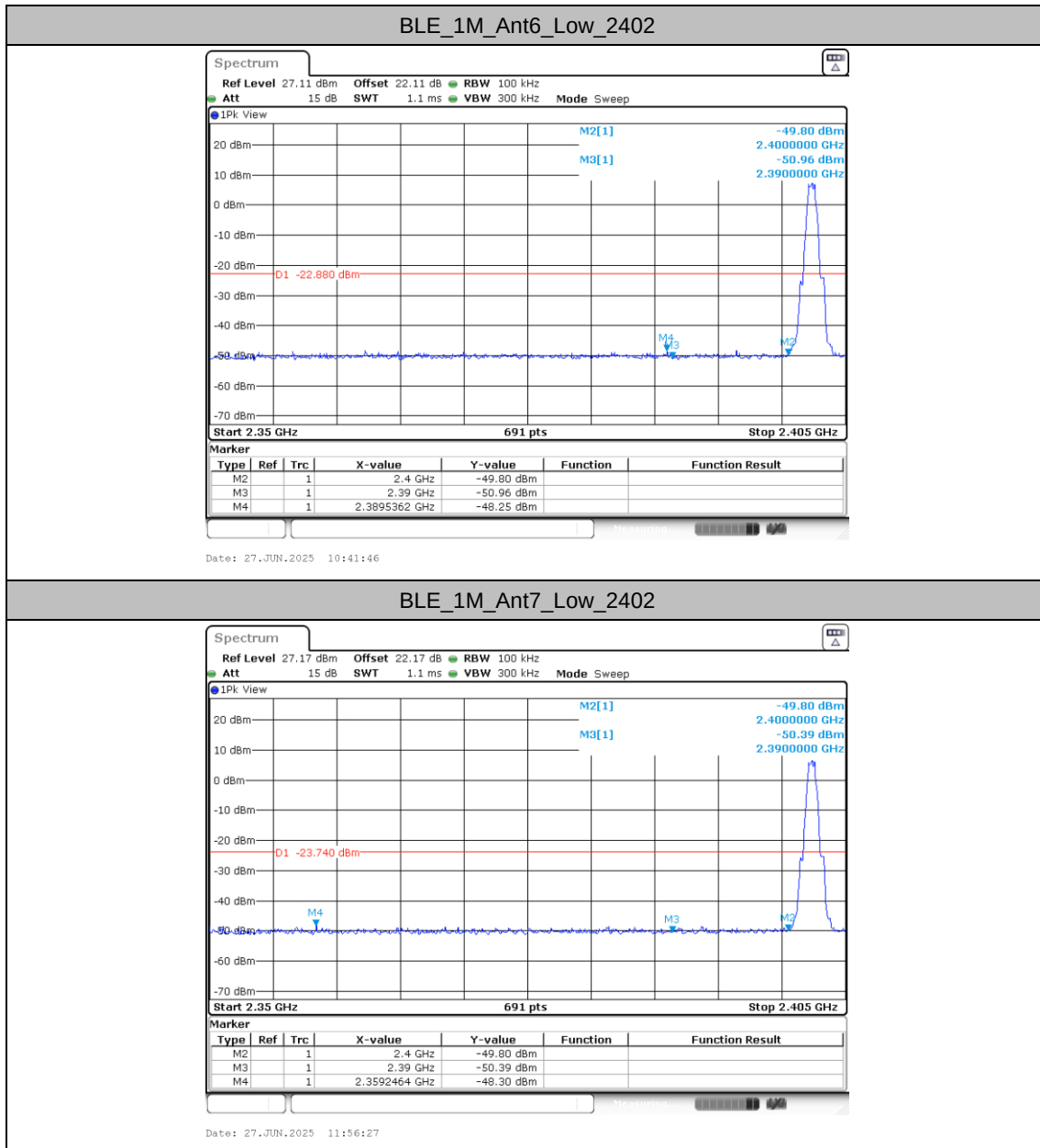
Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm /100KHz]	Result[dBm /100KHz]	Limit[dBm /100KHz]	Verdict
BLE_1M	Ant6	Low	2402	7.12	-48.25	≤-22.88	PASS
	Ant7	Low	2402	6.26	-48.30	≤-23.74	PASS
	Ant6	High	2480	7.46	-47.39	≤-22.54	PASS
	Ant7	High	2480	7.08	-47.54	≤-22.92	PASS
BLE_2M	Ant6	Low	2402	7.18	-27.79	≤-22.82	PASS
	Ant7	Low	2402	6.30	-28.56	≤-23.70	PASS
	Ant6	High	2480	7.57	-46.96	≤-22.43	PASS
	Ant7	High	2480	7.17	-47.09	≤-22.83	PASS
BLE_125K	Ant6	Low	2402	7.08	-48.39	≤-22.92	PASS
	Ant7	Low	2402	6.21	-47.73	≤-23.79	PASS
	Ant6	High	2480	7.44	-47.40	≤-22.56	PASS
	Ant7	High	2480	7.08	-47.27	≤-22.92	PASS
BLE_500K	Ant6	Low	2402	7.63	-47.69	≤-22.37	PASS
	Ant7	Low	2402	6.73	-47.83	≤-23.27	PASS
	Ant6	High	2480	7.99	-47.54	≤-22.01	PASS
	Ant7	High	2480	7.63	-47.59	≤-22.37	PASS

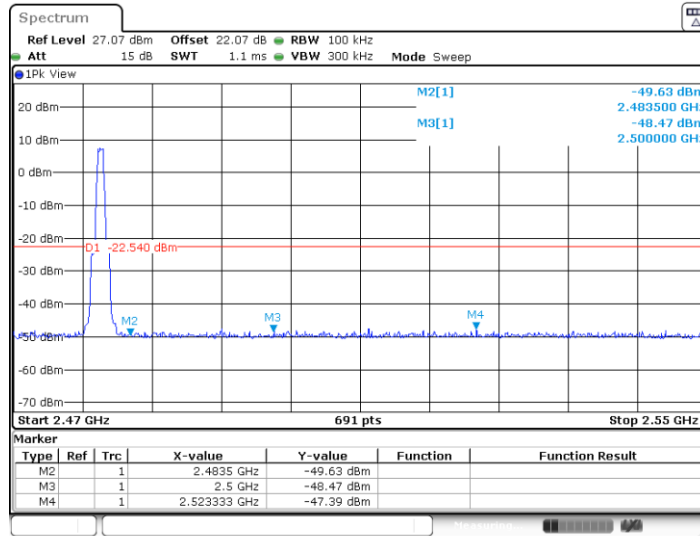


Test Graphs



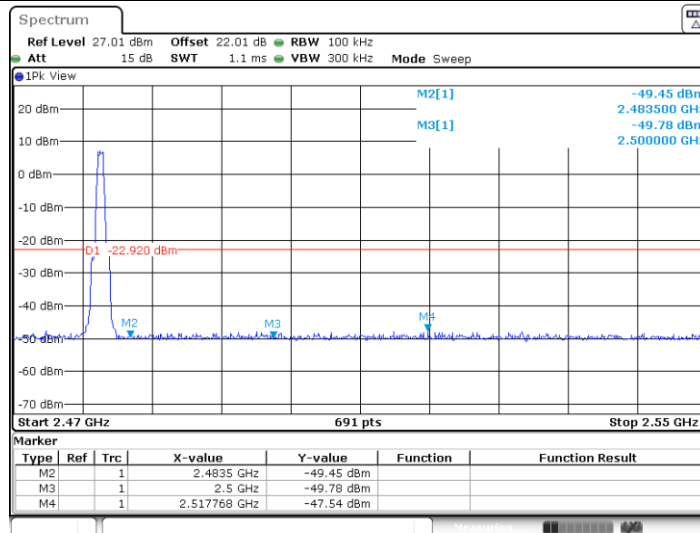


BLE_1M_Ant6_High_2480



Date: 27.JUN.2025 10:47:21

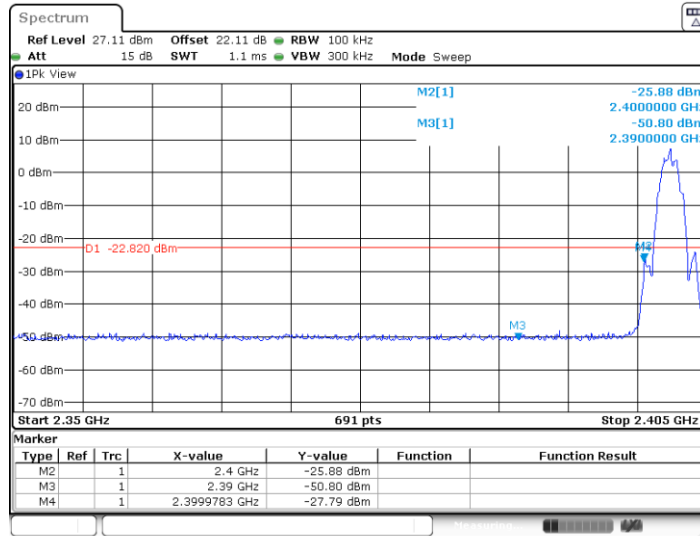
BLE_1M_Ant7_High_2480



Date: 27.JUN.2025 12:00:37

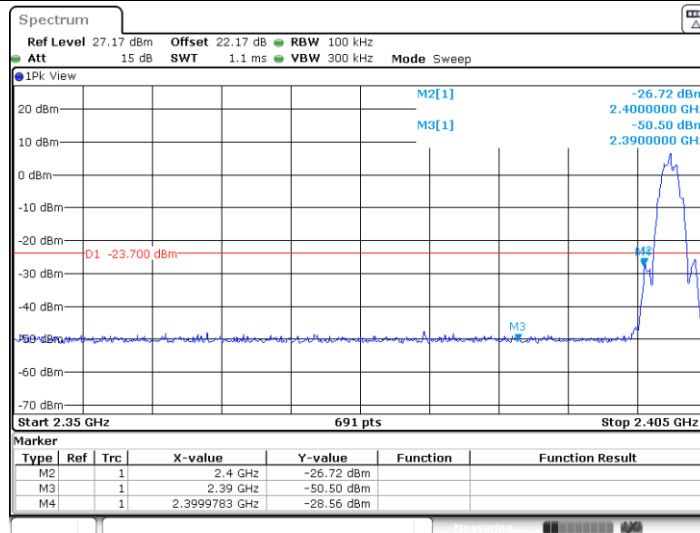


BLE_2M_Ant6_Low_2402



Date: 27.JUN.2025 10:49:23

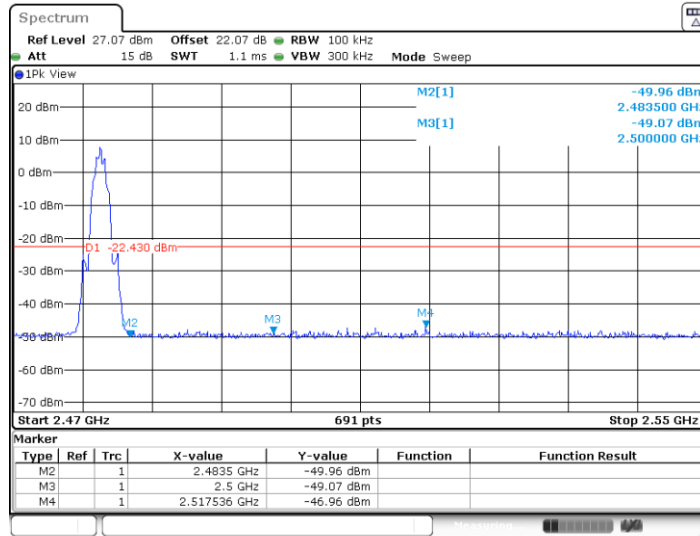
BLE_2M_Ant7_Low_2402



Date: 27.JUN.2025 12:05:45

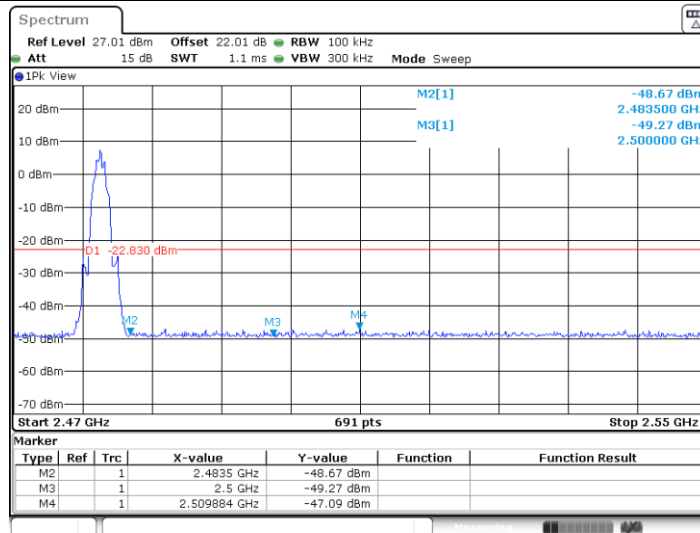


BLE_2M_Ant6_High_2480

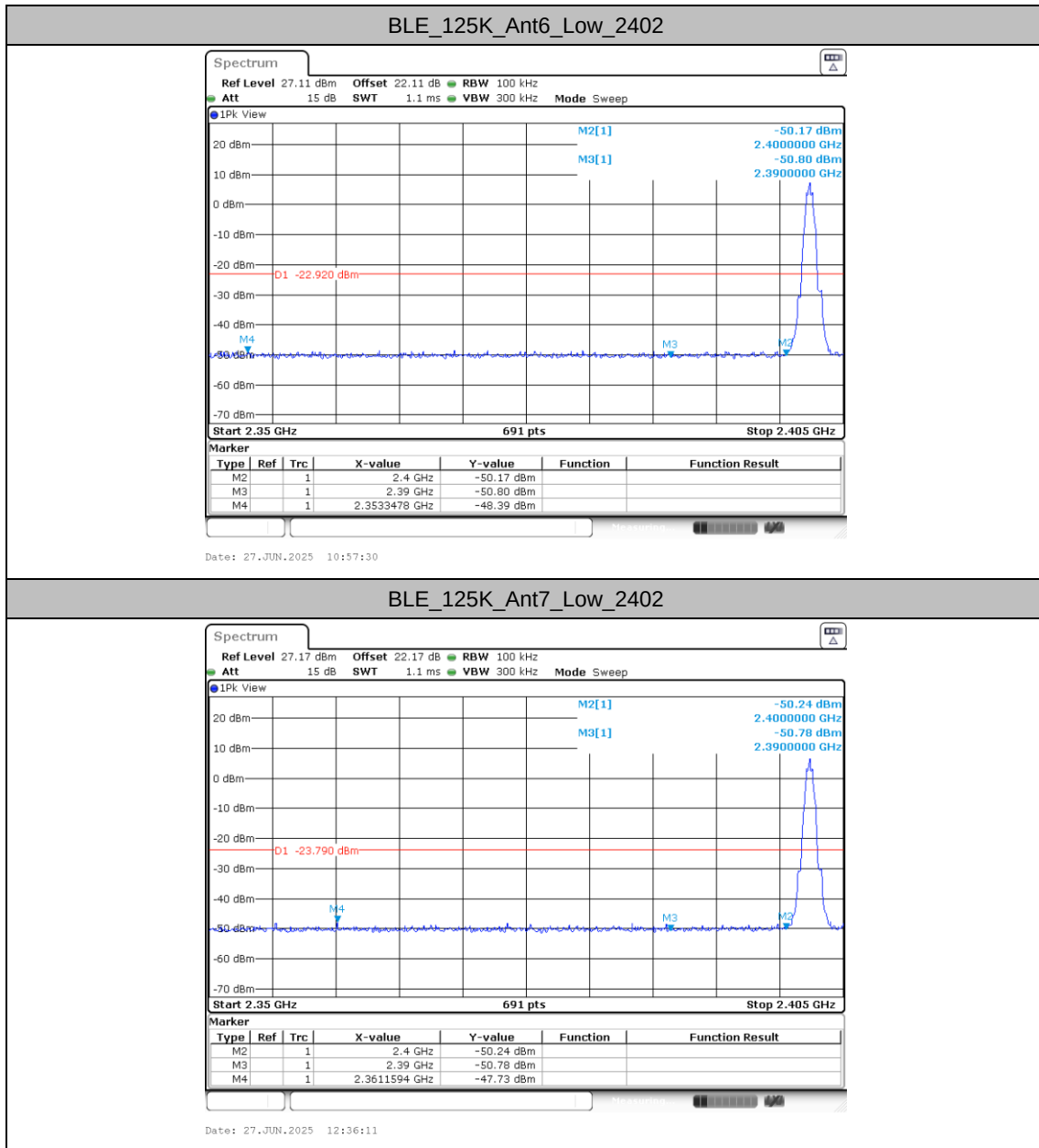


Date: 27.JUN.2025 10:52:54

BLE_2M_Ant7_High_2480

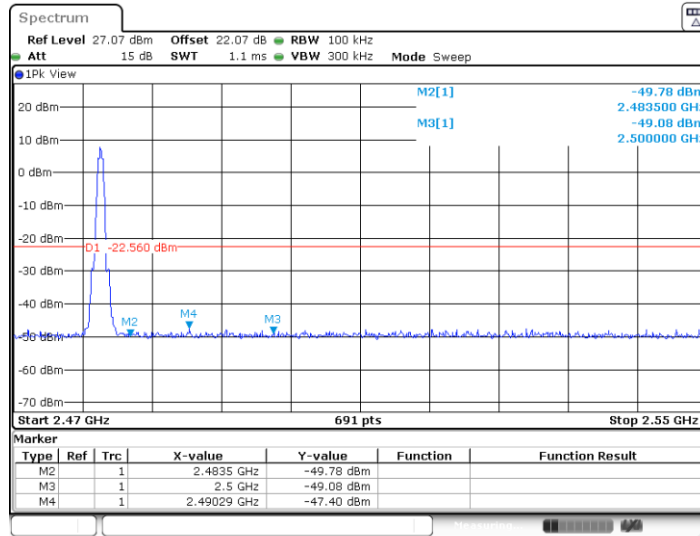


Date: 27.JUN.2025 12:22:14



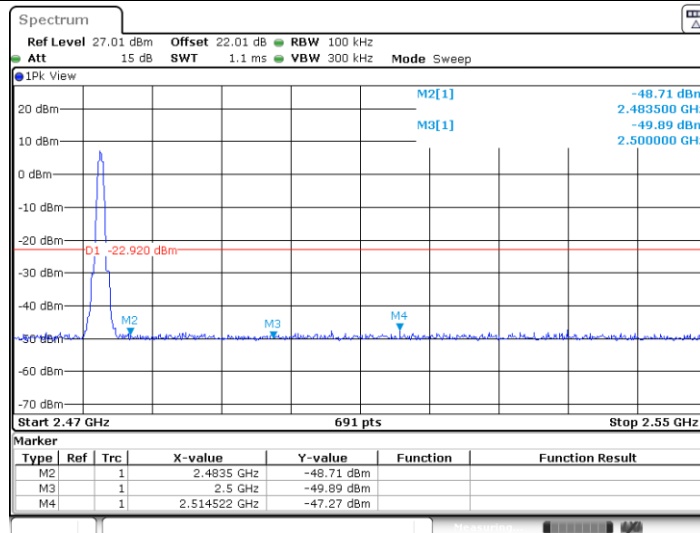


BLE_125K_Ant6_High_2480

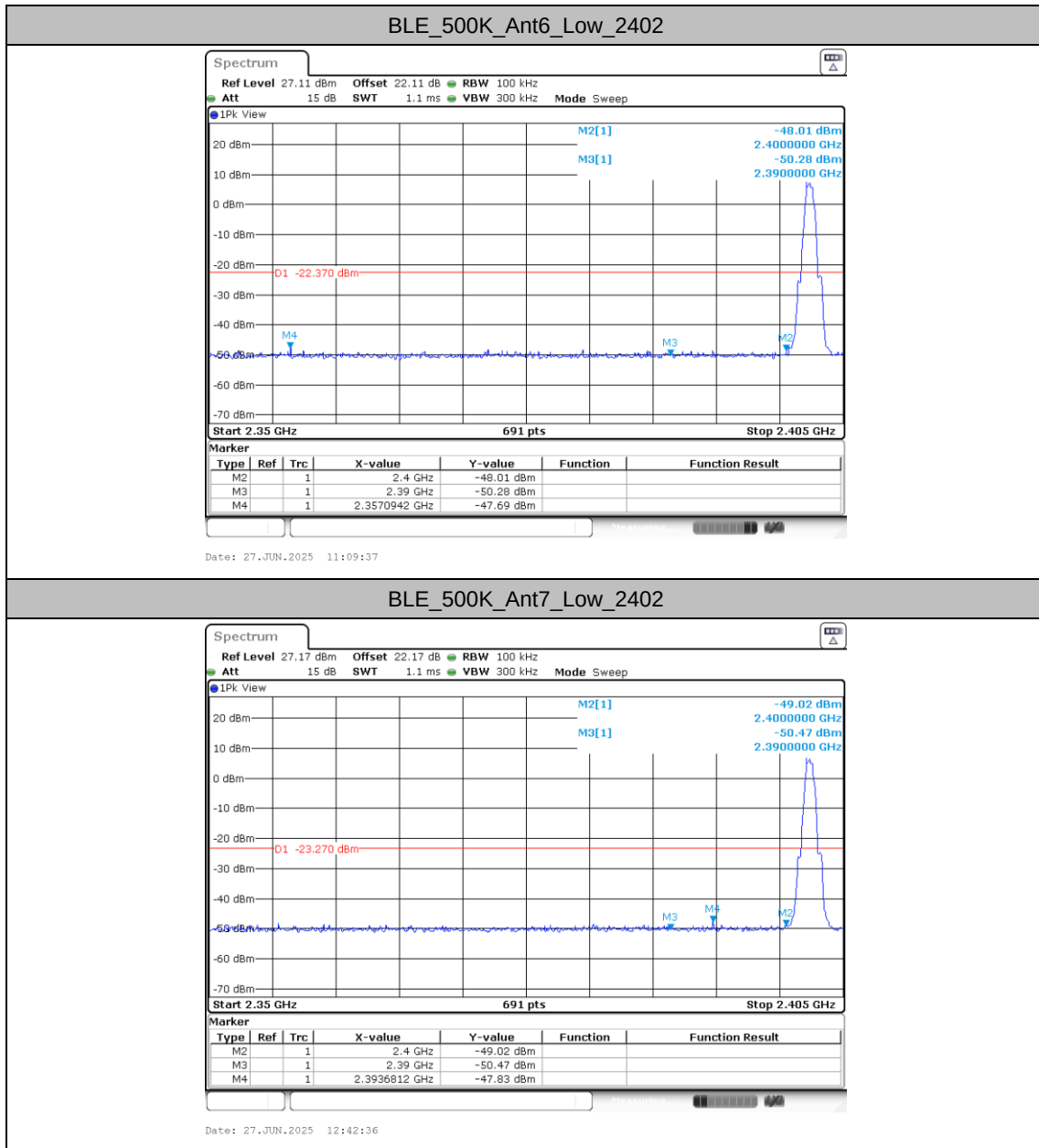


Date: 27.JUN.2025 11:07:06

BLE_125K_Ant7_High_2480

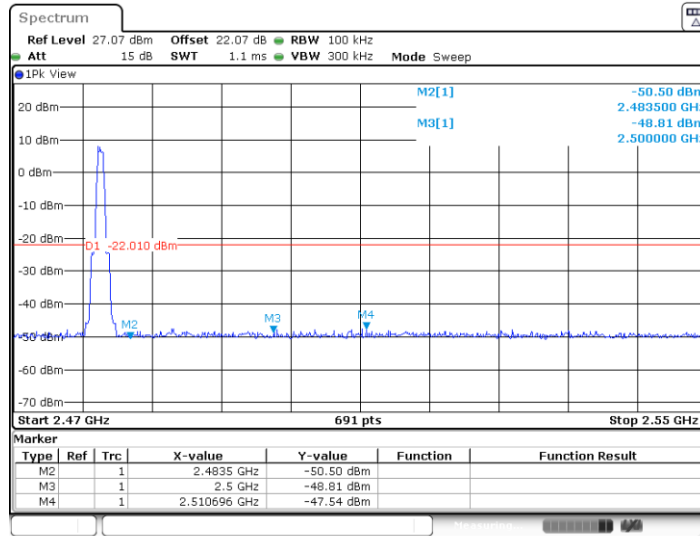


Date: 27.JUN.2025 12:40:37

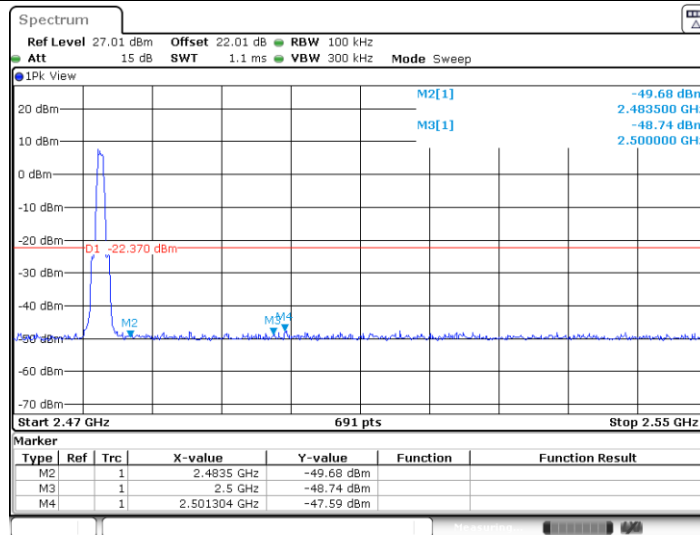




BLE_500K_Ant6_High_2480



BLE_500K_Ant7_High_2480





Conducted Spurious Emission

Test Result

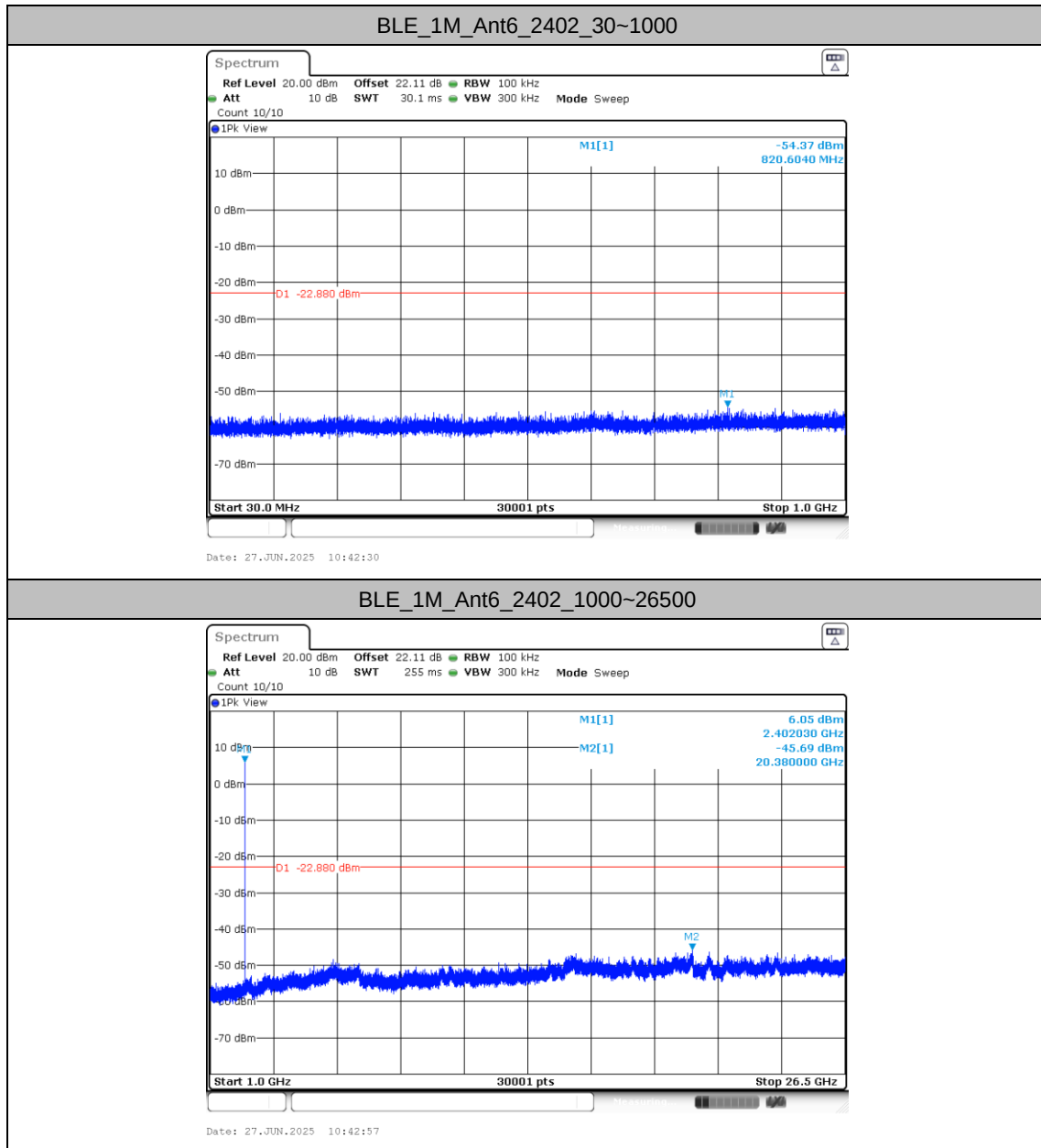
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm/100KHz]	Result [dBm/100KHz]	Limit [dBm/100KHz]	Verdict
BLE_1M	Ant6	2402	30~1000	7.12	-54.37	≤-22.88	PASS
			1000~26500	7.12	-45.69	≤-22.88	PASS
	Ant7	2402	30~1000	6.26	-54.22	≤-23.74	PASS
			1000~26500	6.26	-44.96	≤-23.74	PASS
	Ant6	2440	30~1000	8.17	-54.26	≤-21.83	PASS
			1000~26500	8.17	-45.97	≤-21.83	PASS
	Ant7	2440	30~1000	7.60	-54.30	≤-22.40	PASS
			1000~26500	7.60	-46.11	≤-22.40	PASS
	Ant6	2480	30~1000	7.46	-54.30	≤-22.54	PASS
			1000~26500	7.46	-46.62	≤-22.54	PASS
	Ant7	2480	30~1000	7.08	-53.89	≤-22.92	PASS
			1000~26500	7.08	-46.06	≤-22.92	PASS
BLE_2M	Ant6	2402	30~1000	7.18	-54.55	≤-22.82	PASS
			1000~26500	7.18	-45.69	≤-22.82	PASS
	Ant7	2402	30~1000	6.30	-54.03	≤-23.70	PASS
			1000~26500	6.30	-45.97	≤-23.70	PASS
	Ant6	2440	30~1000	8.27	-54.68	≤-21.73	PASS
			1000~26500	8.27	-46.25	≤-21.73	PASS
	Ant7	2440	30~1000	7.65	-52.95	≤-22.35	PASS
			1000~26500	7.65	-45.99	≤-22.35	PASS
	Ant6	2480	30~1000	7.57	-54.11	≤-22.43	PASS
			1000~26500	7.57	-45.71	≤-22.43	PASS
	Ant7	2480	30~1000	7.17	-54.21	≤-22.83	PASS
			1000~26500	7.17	-45.94	≤-22.83	PASS
BLE_125K	Ant6	2402	30~1000	7.08	-54.3	≤-22.92	PASS
			1000~26500	7.08	-45.32	≤-22.92	PASS
	Ant7	2402	30~1000	6.21	-53.85	≤-23.79	PASS
			1000~26500	6.21	-45.52	≤-23.79	PASS
	Ant6	2440	30~1000	8.15	-54.26	≤-21.85	PASS
			1000~26500	8.15	-45.76	≤-21.85	PASS
	Ant7	2440	30~1000	7.56	-54.56	≤-22.44	PASS
			1000~26500	7.56	-45.57	≤-22.44	PASS
	Ant6	2480	30~1000	7.44	-54.25	≤-22.56	PASS
			1000~26500	7.44	-45.91	≤-22.56	PASS



	Ant7	2480	30~1000	7.08	-54.04	≤ -22.92	PASS
			1000~26500	7.08	-46.05	≤ -22.92	PASS
BLE_500K	Ant6	2402	30~1000	7.63	-54.26	≤ -22.37	PASS
			1000~26500	7.63	-45.88	≤ -22.37	PASS
	Ant7	2402	30~1000	6.73	-54.15	≤ -23.27	PASS
			1000~26500	6.73	-45.67	≤ -23.27	PASS
	Ant6	2440	30~1000	8.72	-54.93	≤ -21.28	PASS
			1000~26500	8.72	-46.34	≤ -21.28	PASS
	Ant7	2440	30~1000	8.10	-54.51	≤ -21.90	PASS
			1000~26500	8.10	-46.24	≤ -21.90	PASS
	Ant6	2480	30~1000	7.99	-53.89	≤ -22.01	PASS
			1000~26500	7.99	-46.07	≤ -22.01	PASS
	Ant7	2480	30~1000	7.63	-54.29	≤ -22.37	PASS
			1000~26500	7.63	-46.50	≤ -22.37	PASS

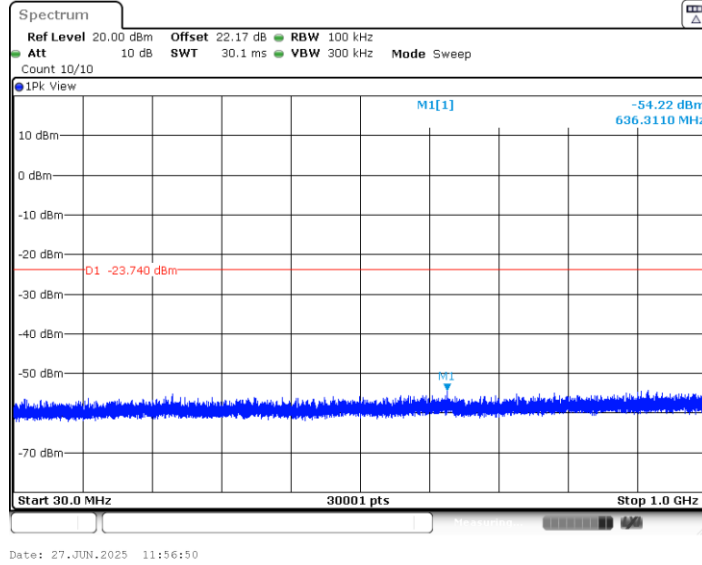


Test Graphs

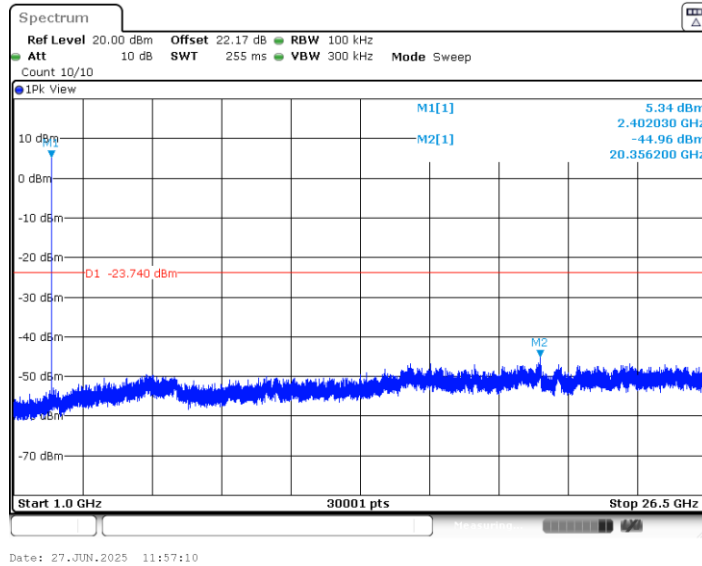




BLE_1M_Ant7_2402_30~1000

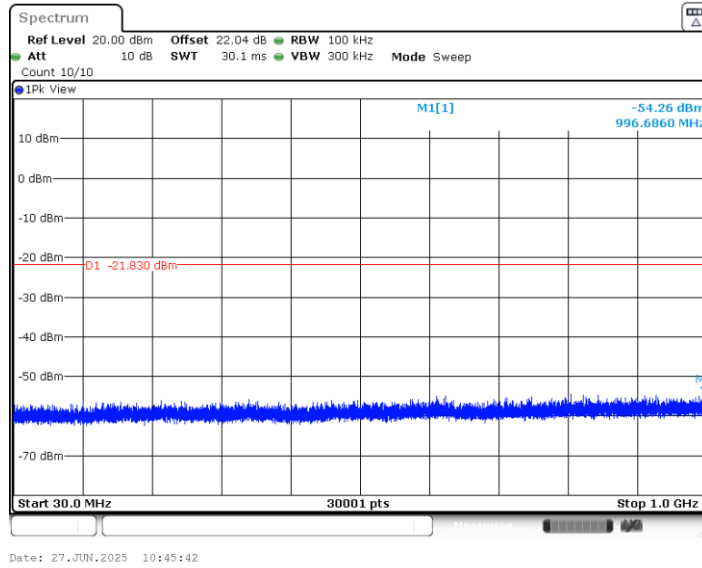


BLE_1M_Ant7_2402_1000~26500

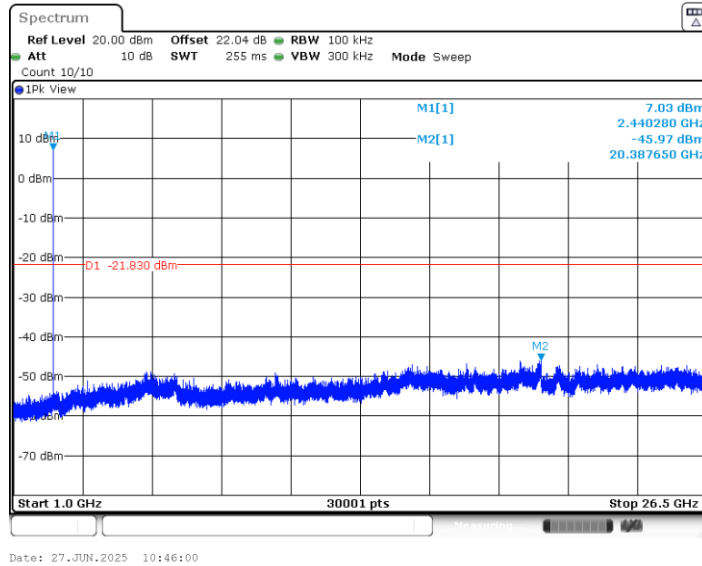




BLE_1M_Ant6_2440_30~1000

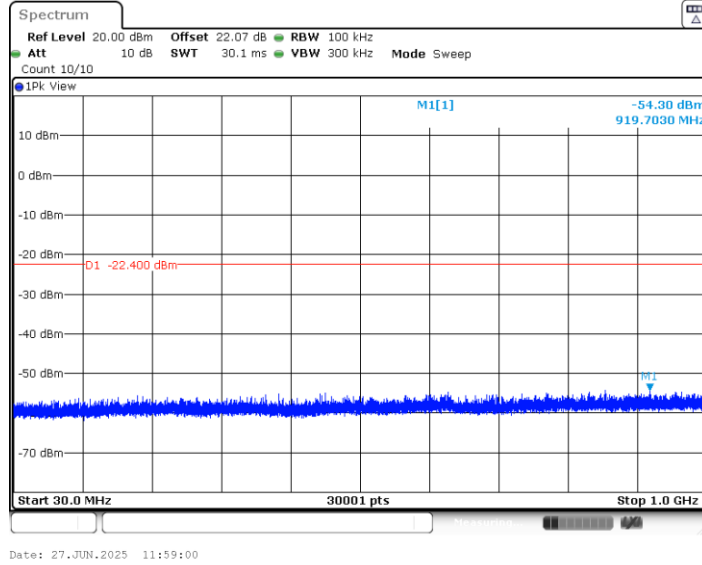


BLE_1M_Ant6_2440_1000~26500

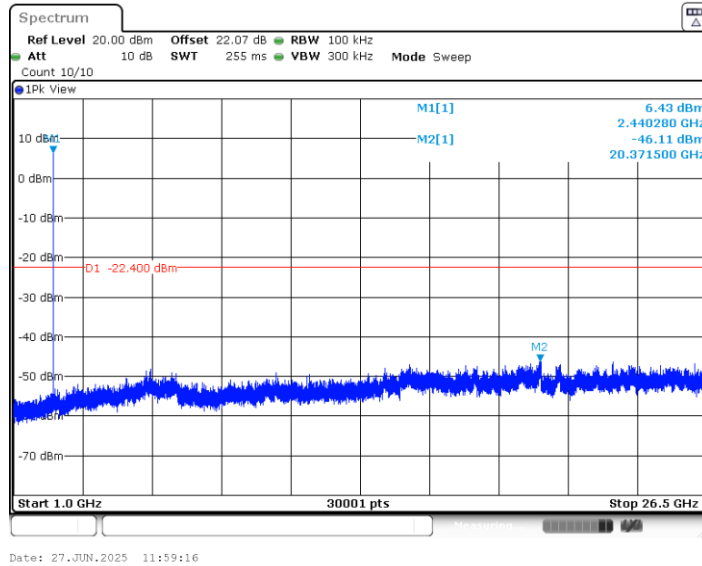




BLE_1M_Ant7_2440_30~1000

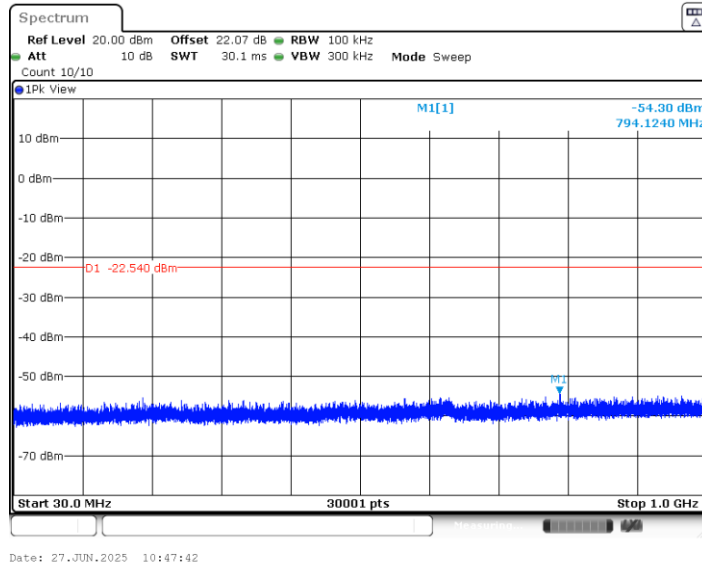


BLE_1M_Ant7_2440_1000~26500

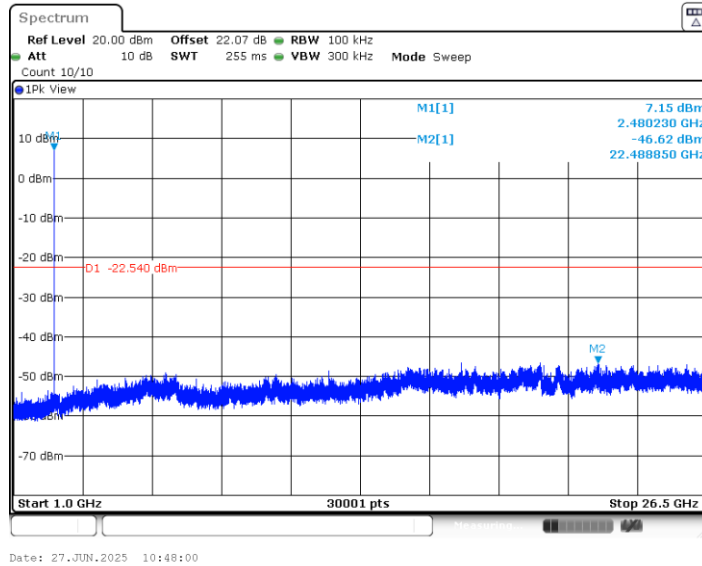




BLE_1M_Ant6_2480_30~1000

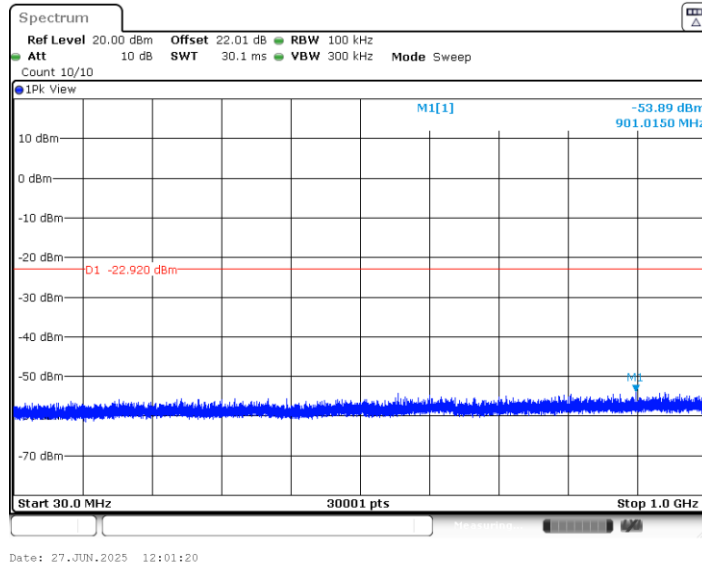


BLE_1M_Ant6_2480_1000~26500

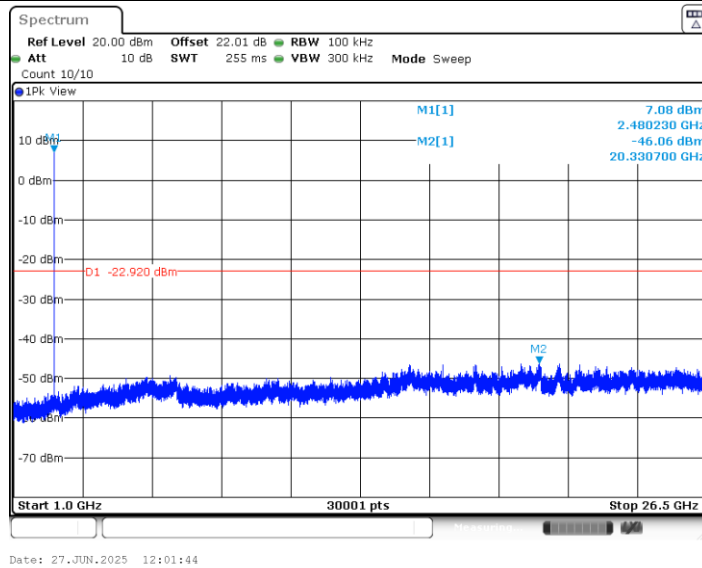




BLE_1M_Ant7_2480_30~1000

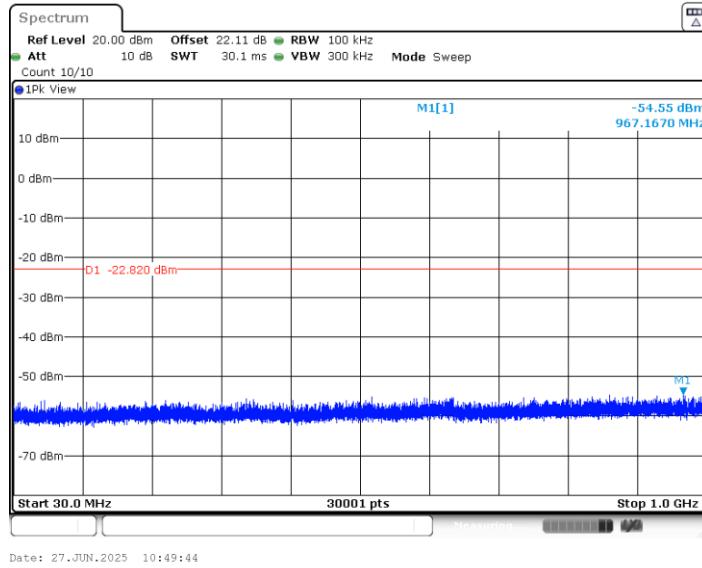


BLE_1M_Ant7_2480_1000~26500

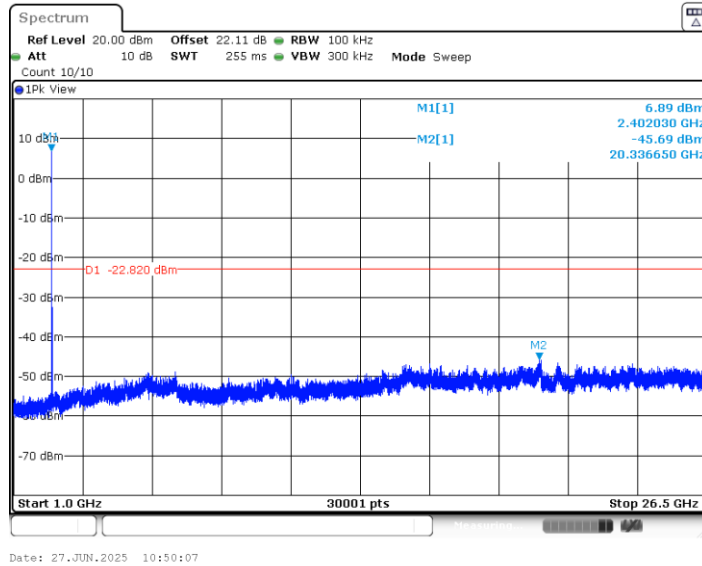




BLE_2M_Ant6_2402_30~1000

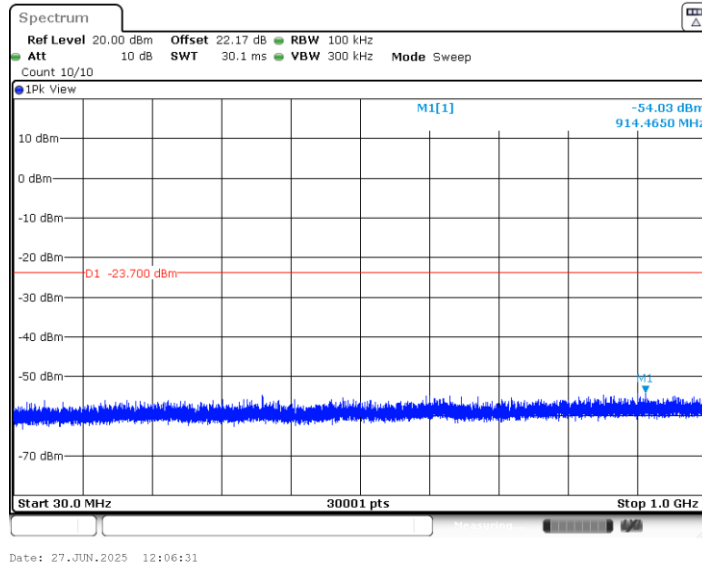


BLE_2M_Ant6_2402_1000~26500

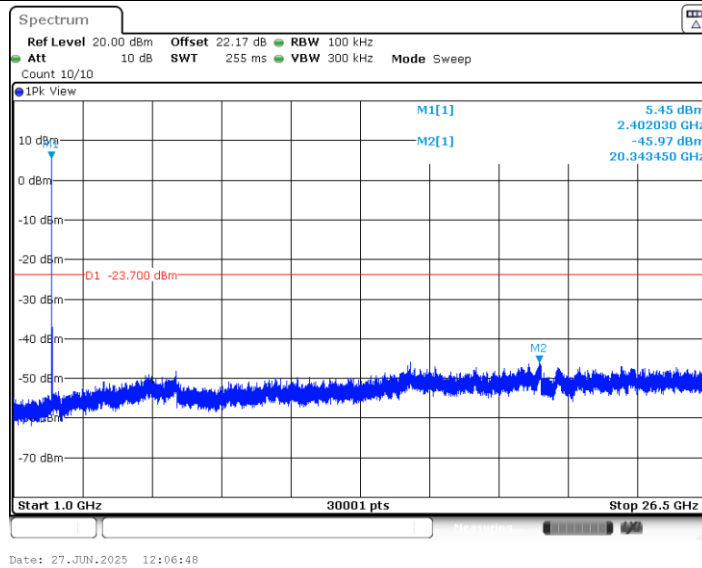




BLE_2M_Ant7_2402_30~1000

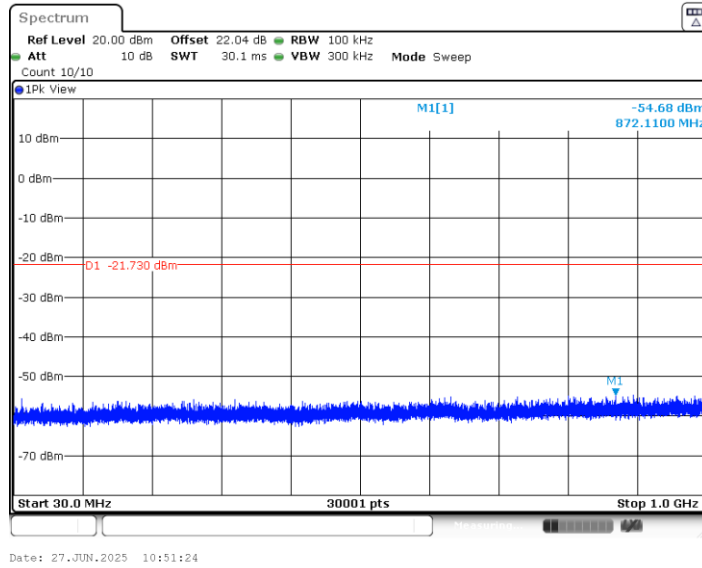


BLE_2M_Ant7_2402_1000~26500

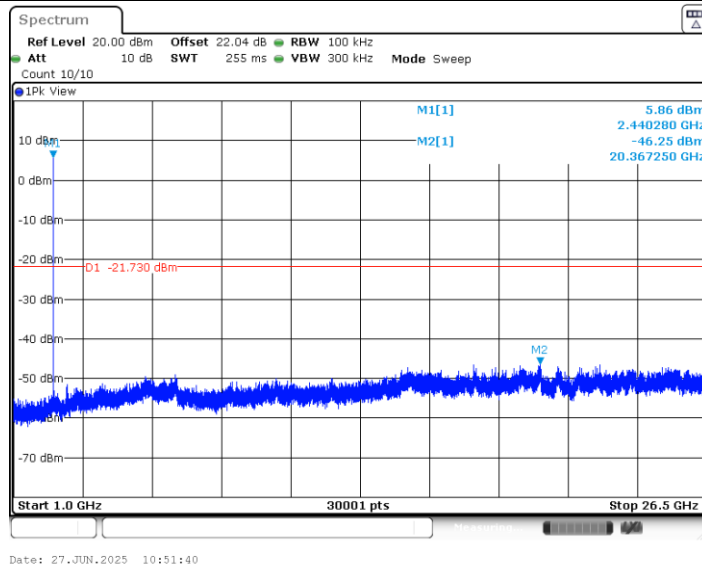




BLE_2M_Ant6_2440_30~1000

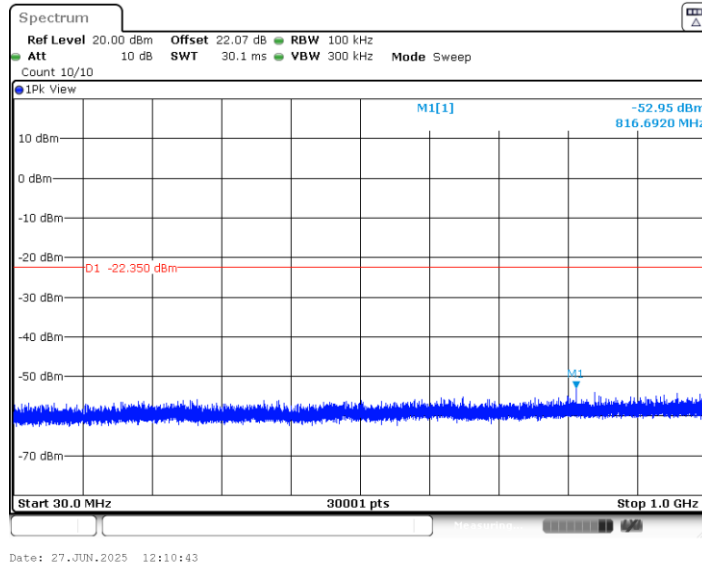


BLE_2M_Ant6_2440_1000~26500

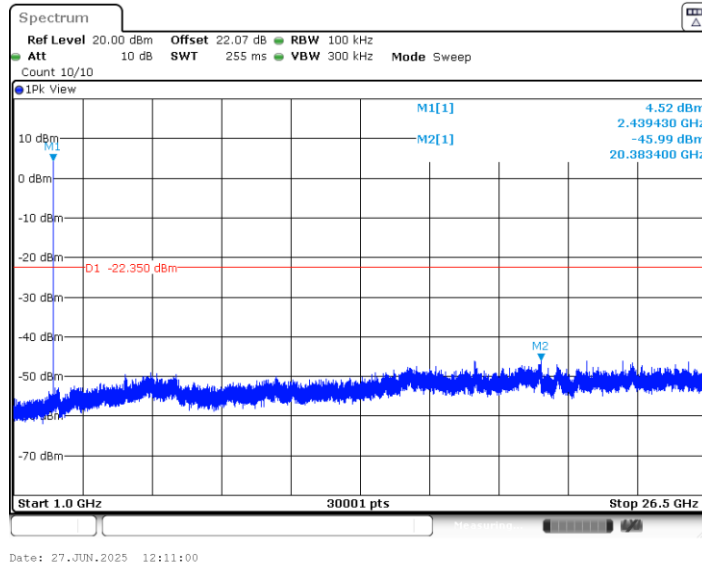




BLE_2M_Ant7_2440_30~1000

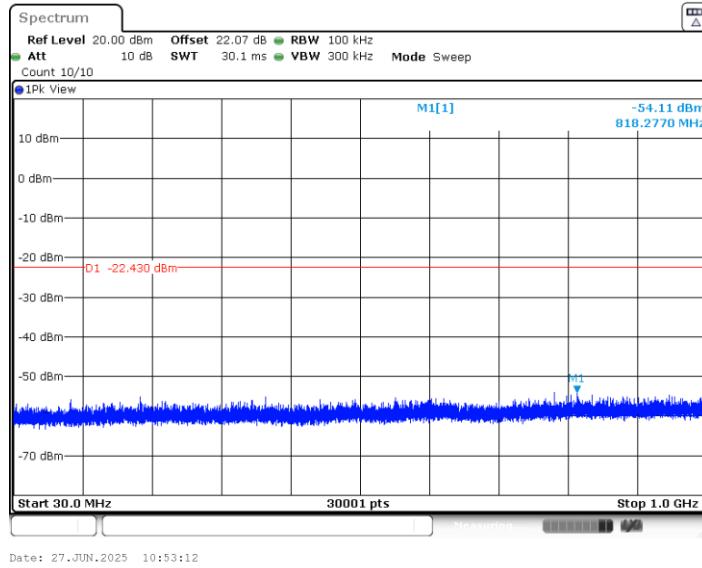


BLE_2M_Ant7_2440_1000~26500

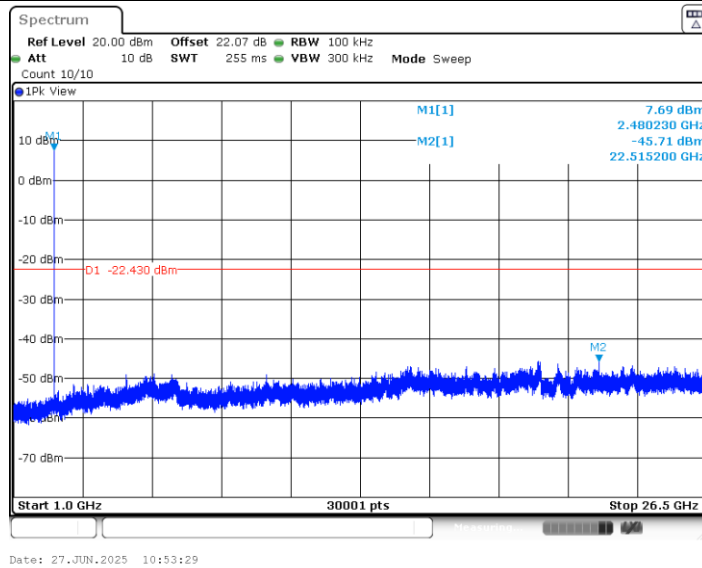




BLE_2M_Ant6_2480_30~1000

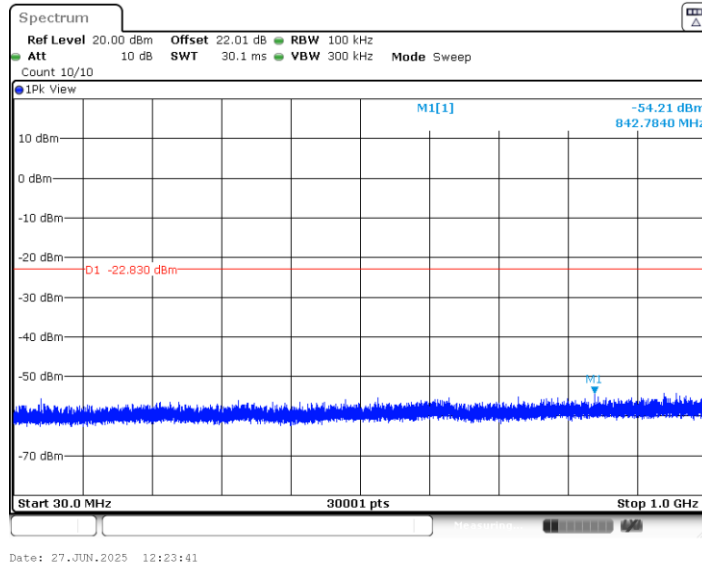


BLE_2M_Ant6_2480_1000~26500

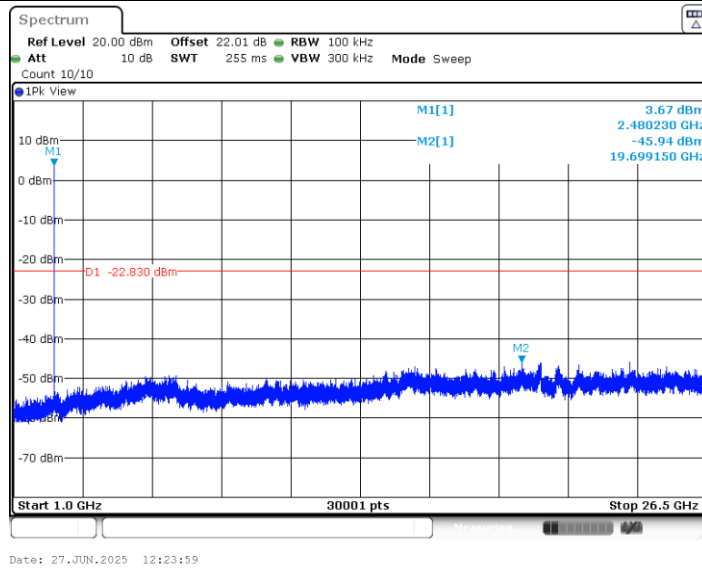




BLE_2M_Ant7_2480_30~1000

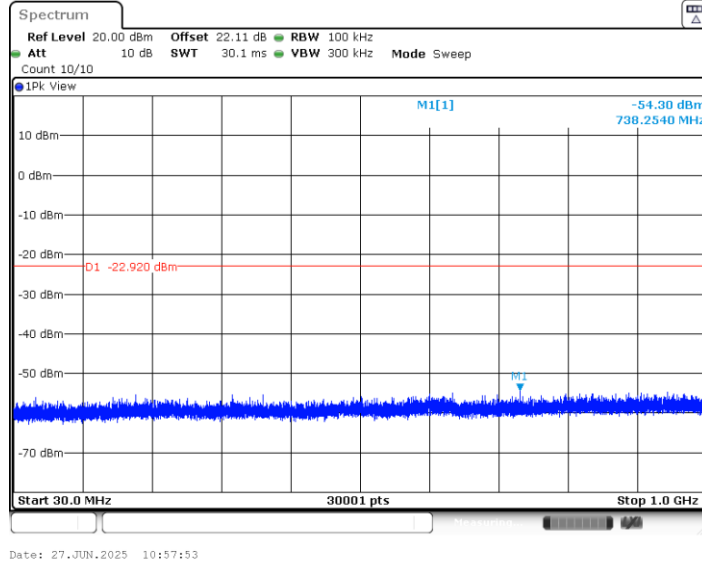


BLE_2M_Ant7_2480_1000~26500

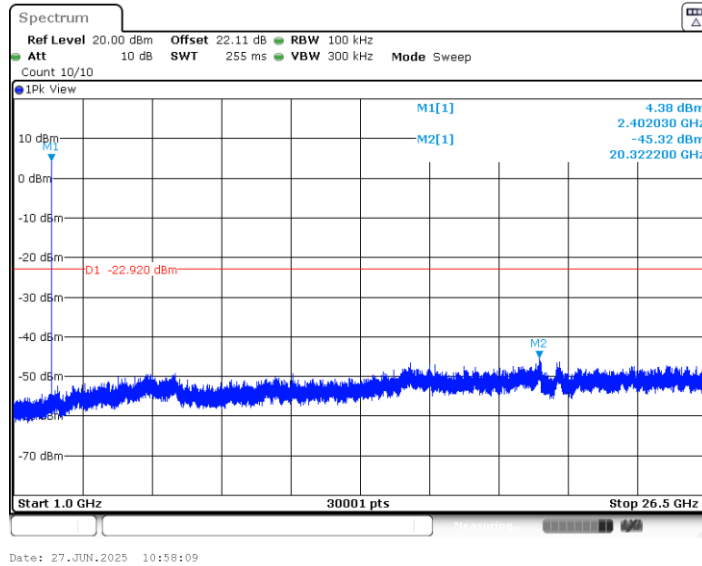




BLE_125K_Ant6_2402_30~1000

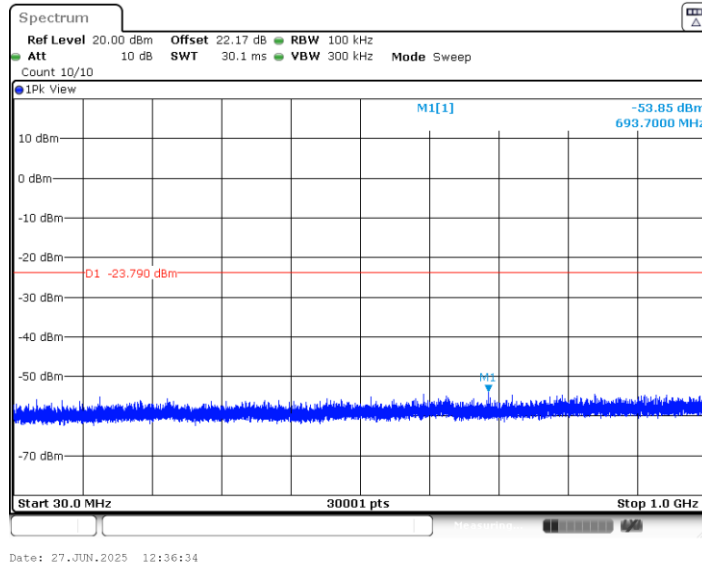


BLE_125K_Ant6_2402_1000~26500

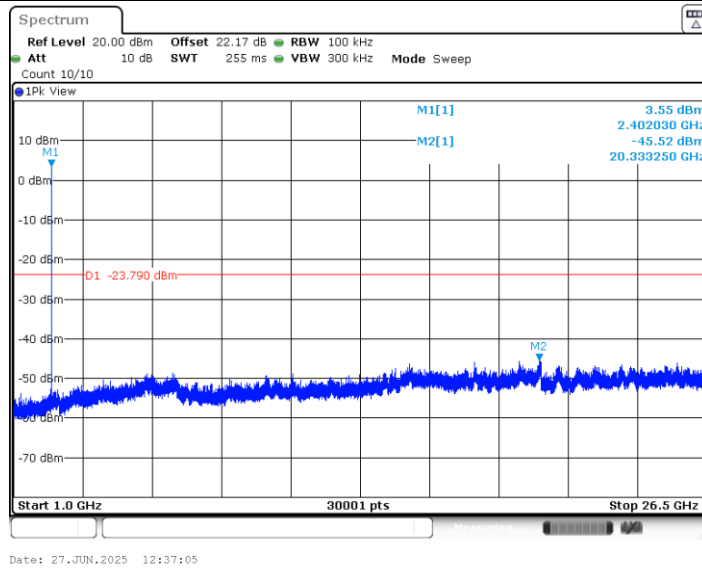




BLE_125K_Ant7_2402_30~1000

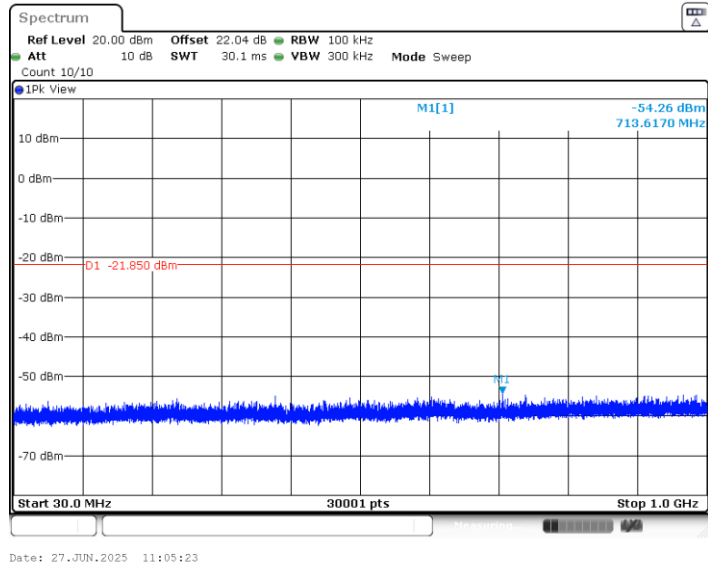


BLE_125K_Ant7_2402_1000~26500

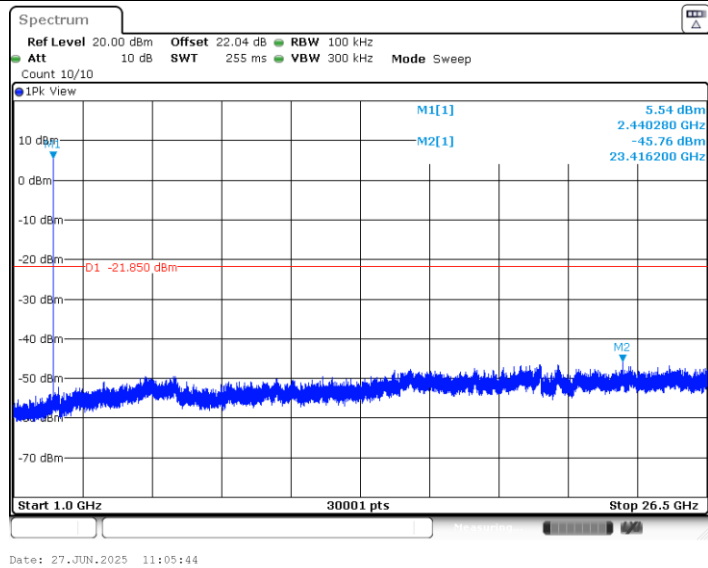




BLE_125K_Ant6_2440_30~1000

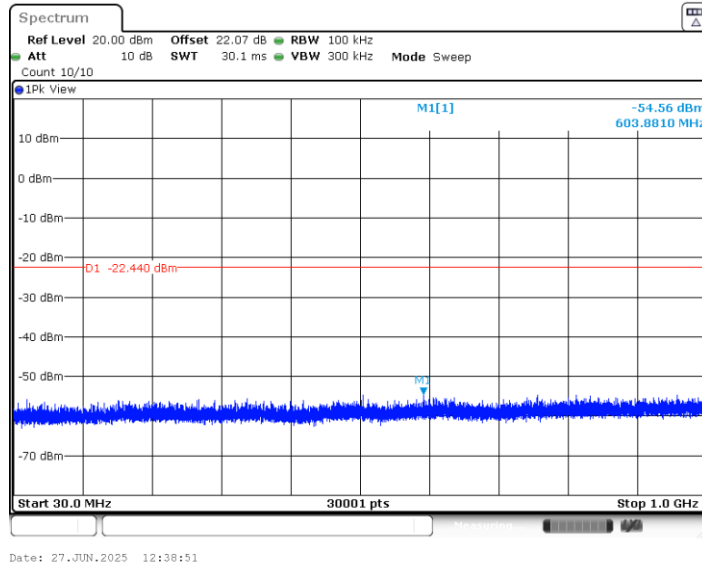


BLE_125K_Ant6_2440_1000~26500

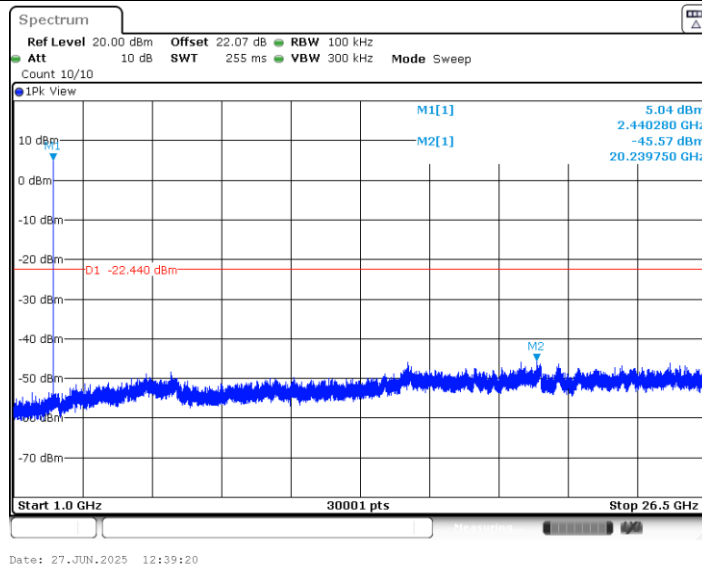




BLE_125K_Ant7_2440_30~1000

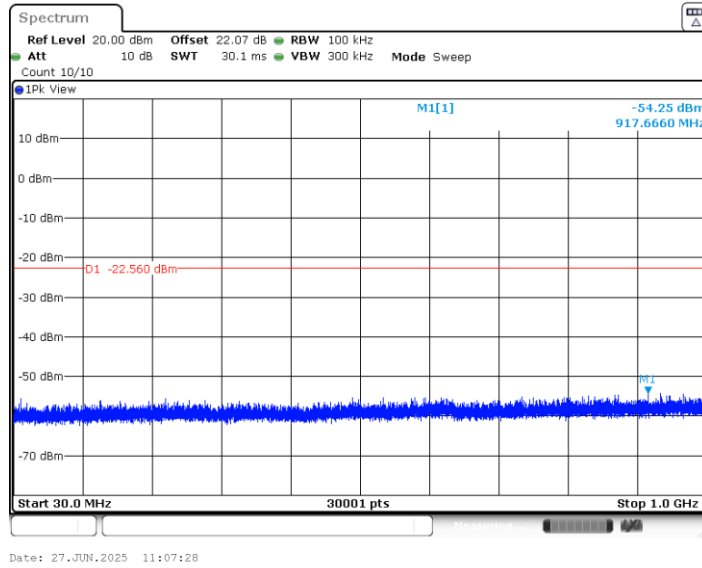


BLE_125K_Ant7_2440_1000~26500

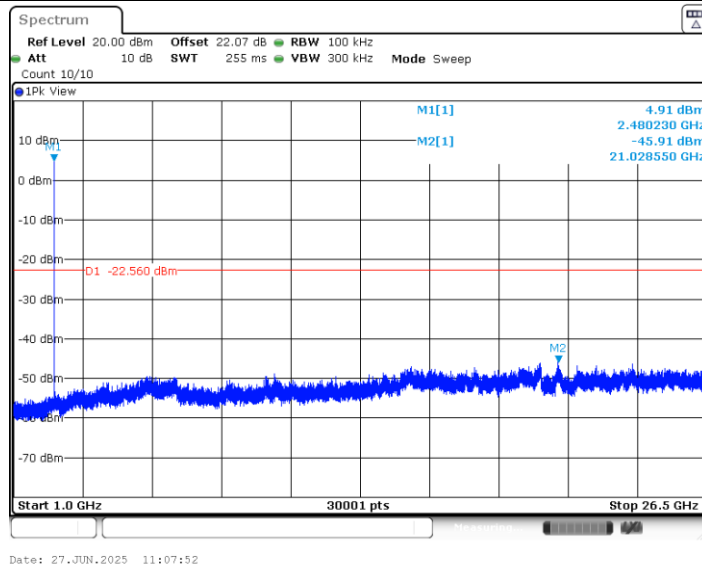


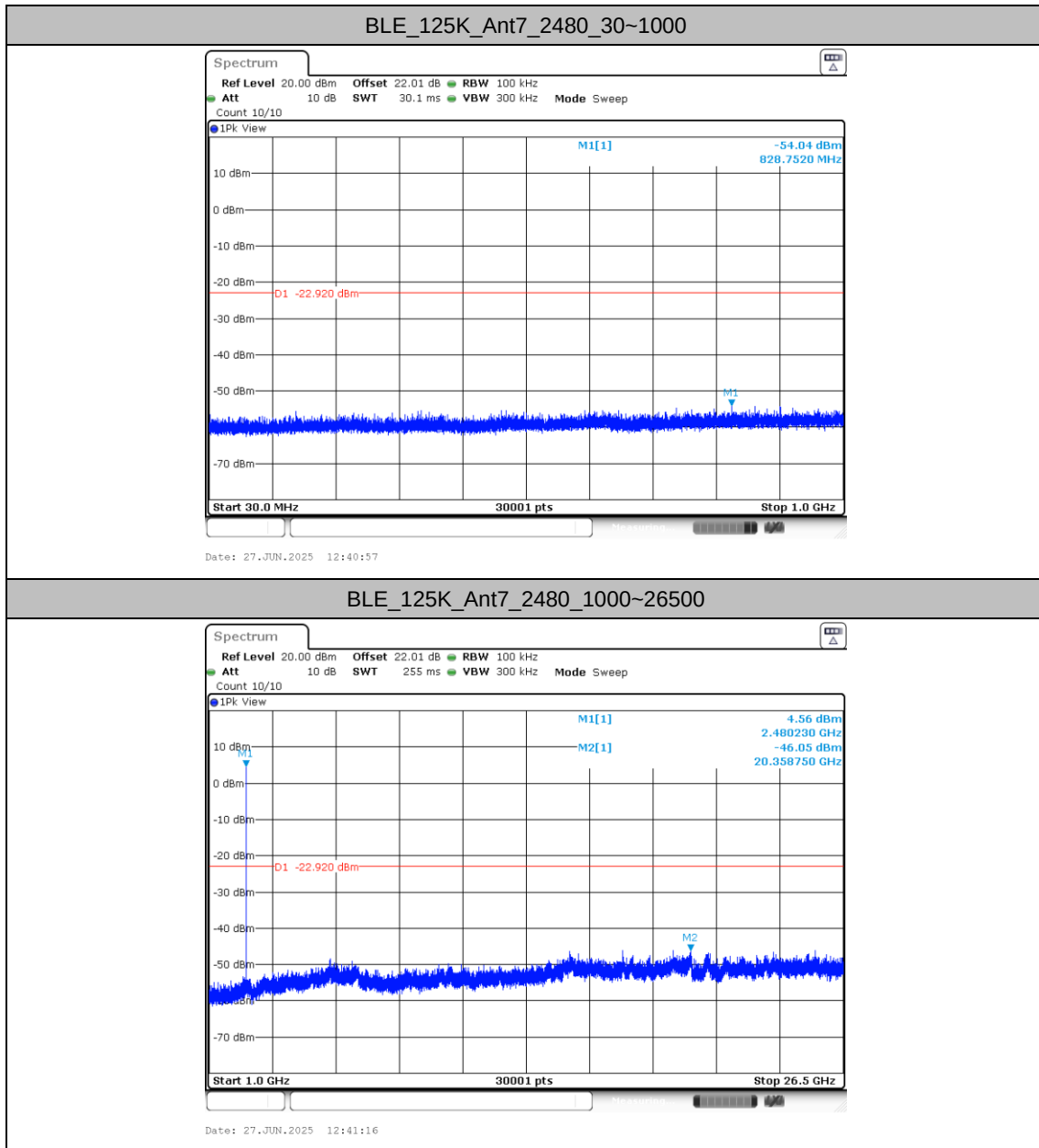


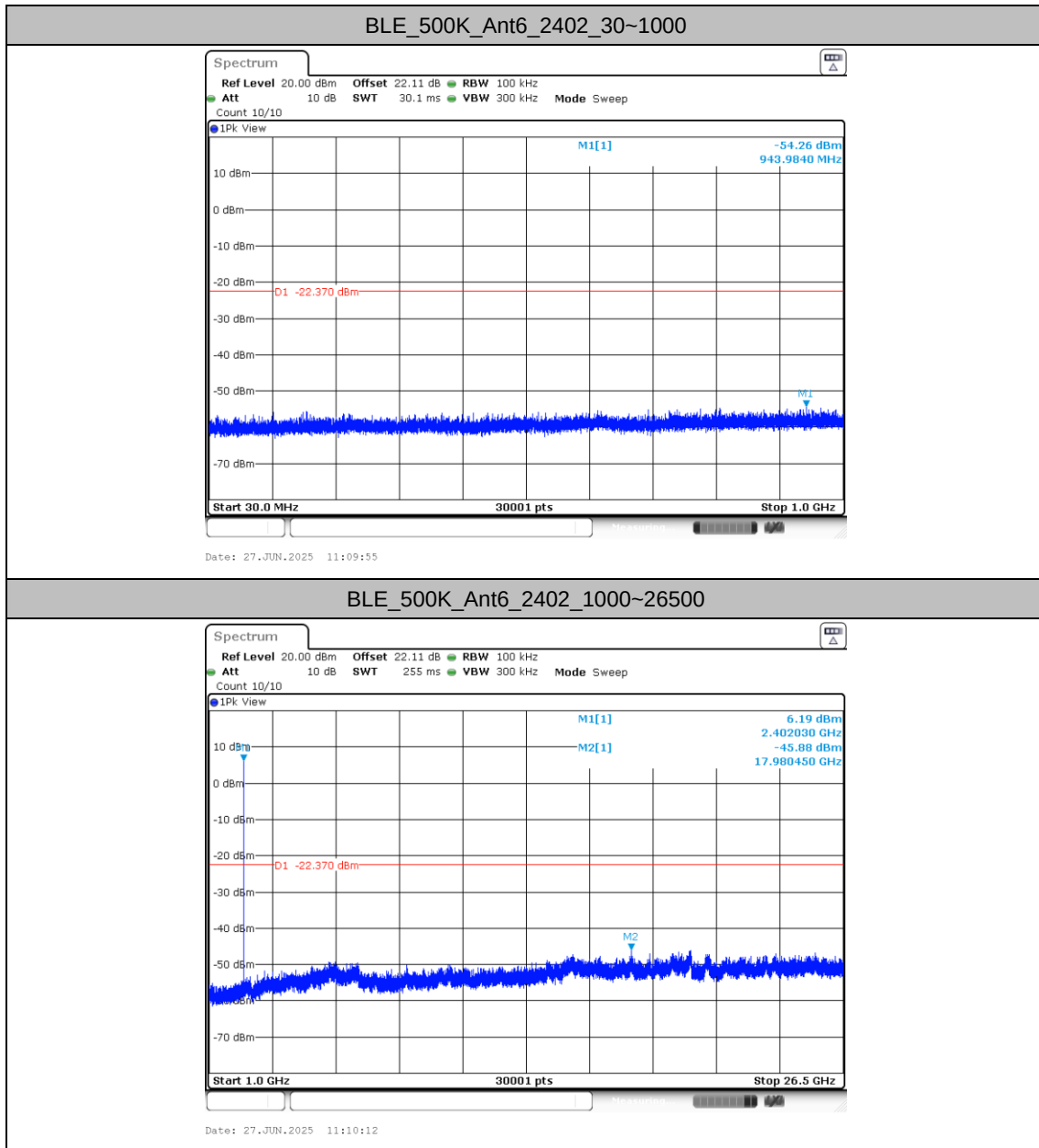
BLE_125K_Ant6_2480_30~1000

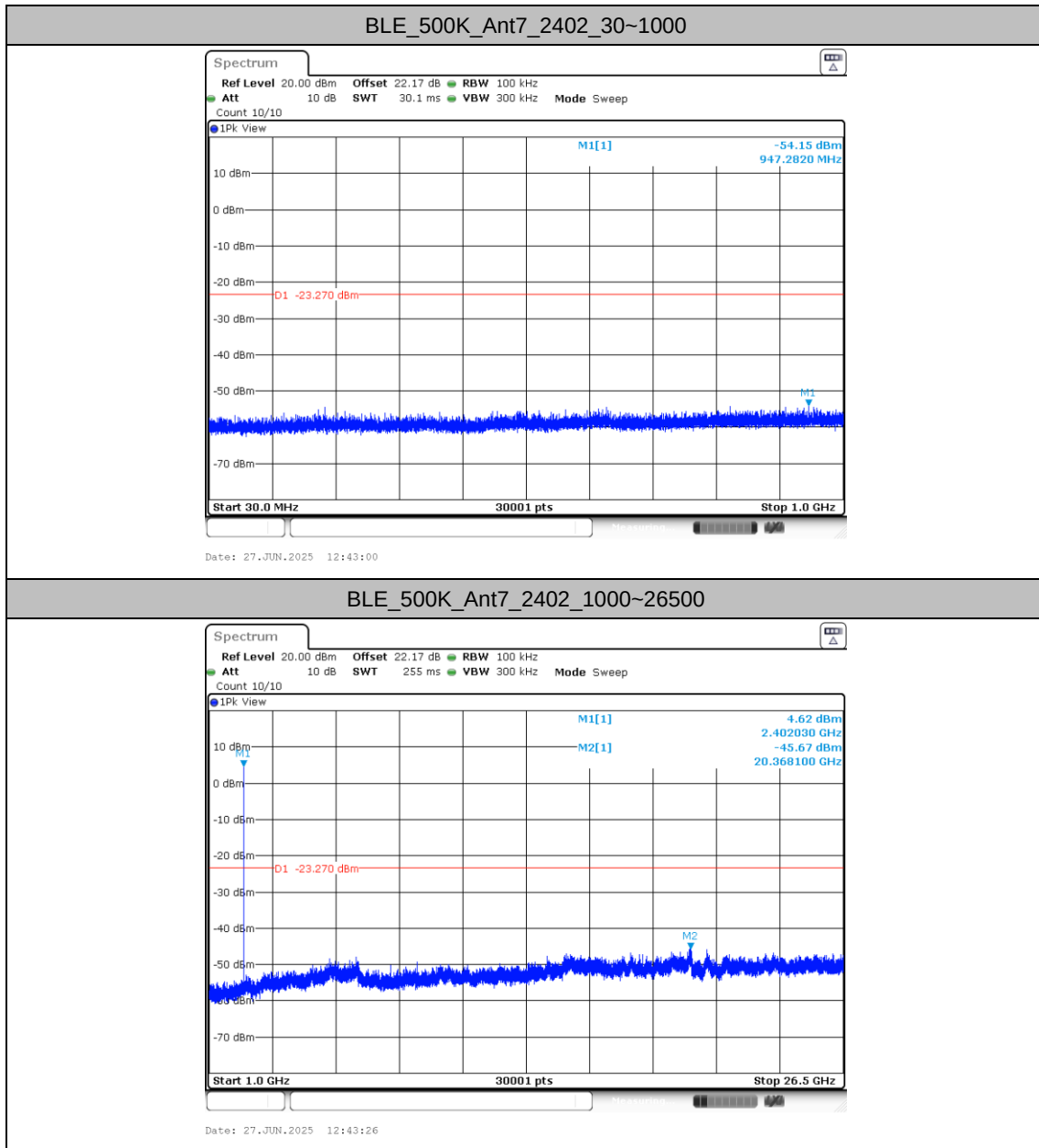


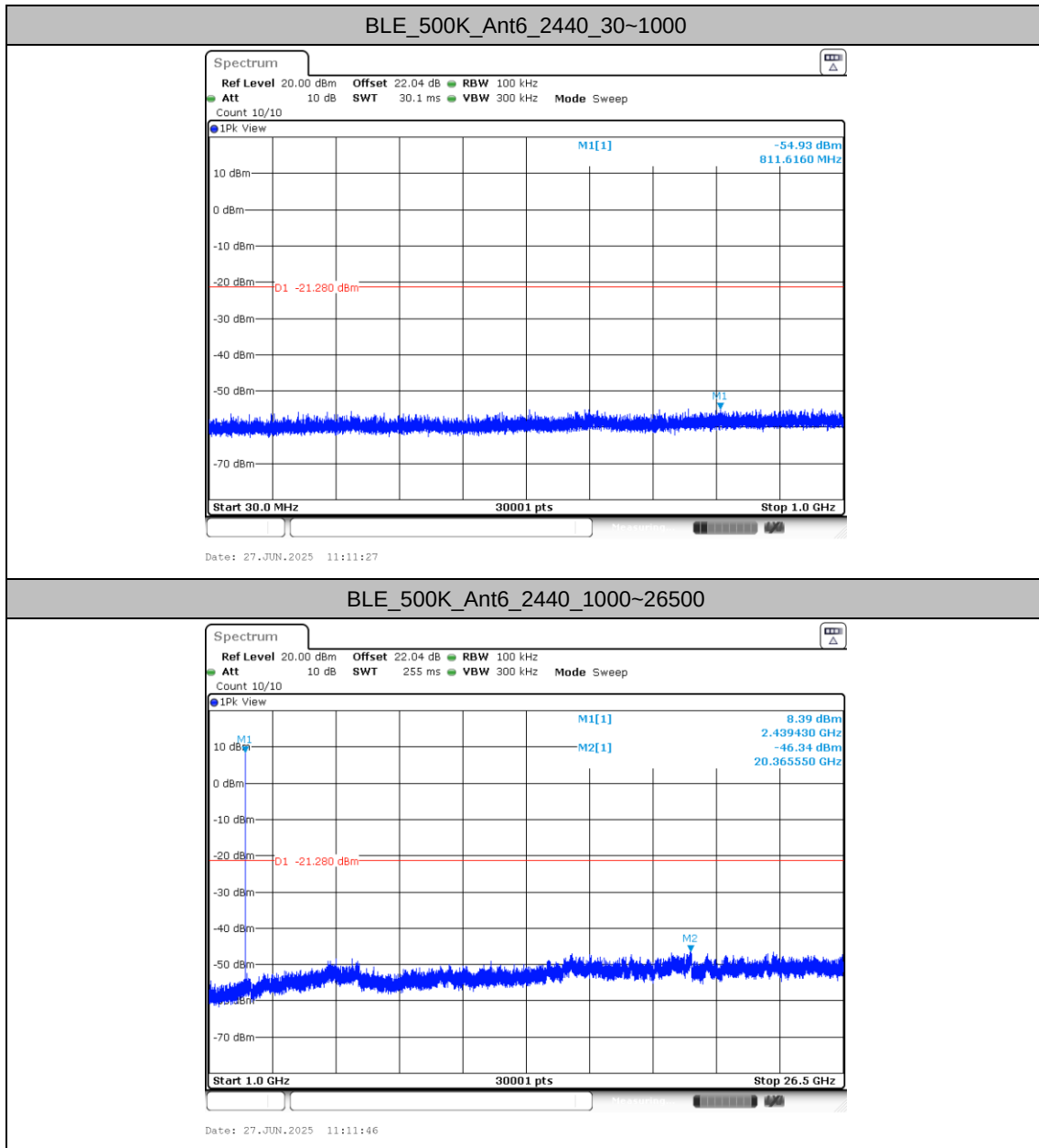
BLE_125K_Ant6_2480_1000~26500





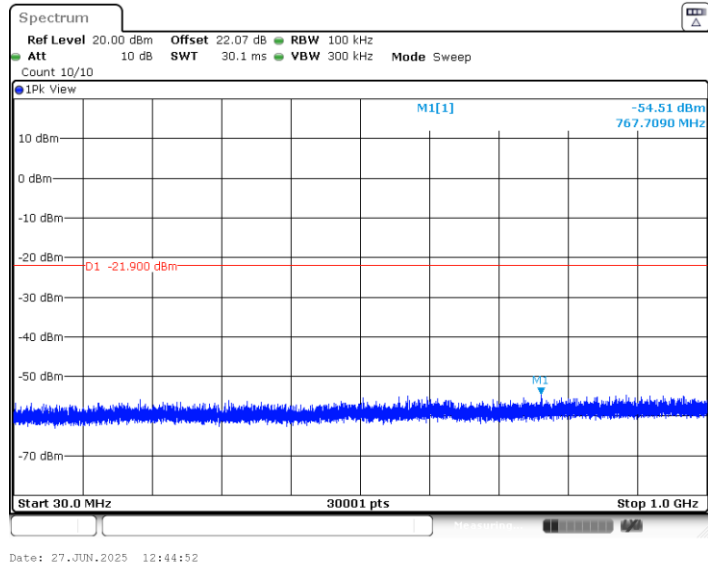




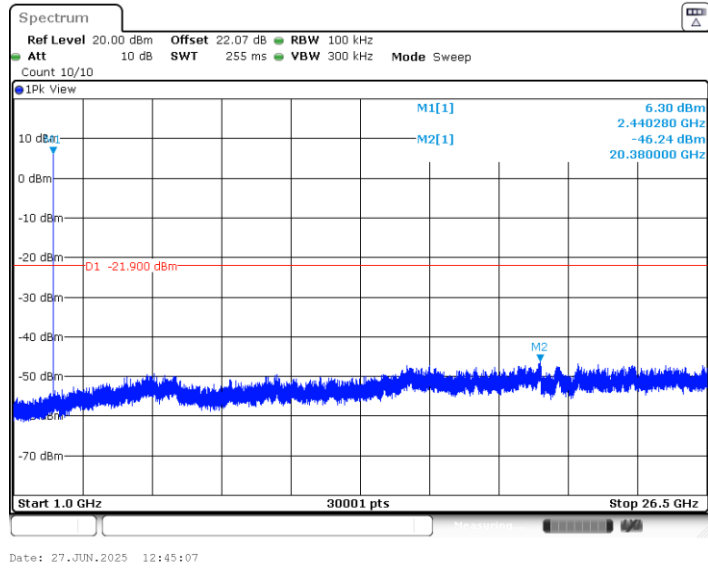




BLE_500K_Ant7_2440_30~1000

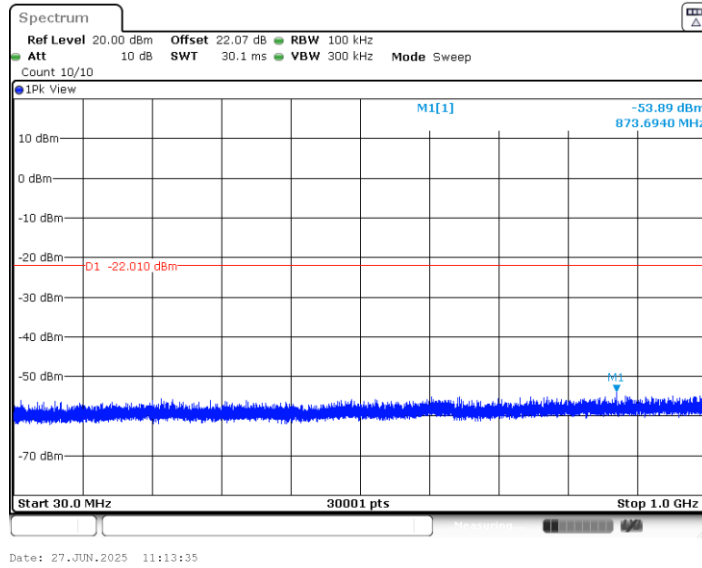


BLE_500K_Ant7_2440_1000~26500

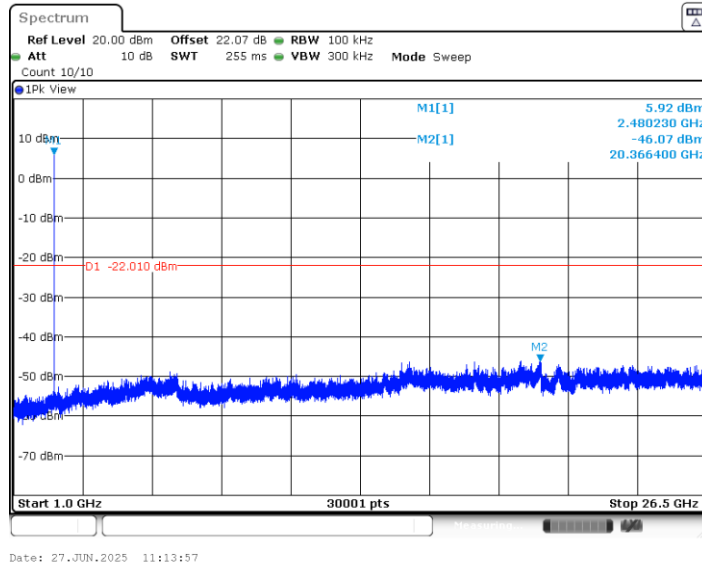




BLE_500K_Ant6_2480_30~1000

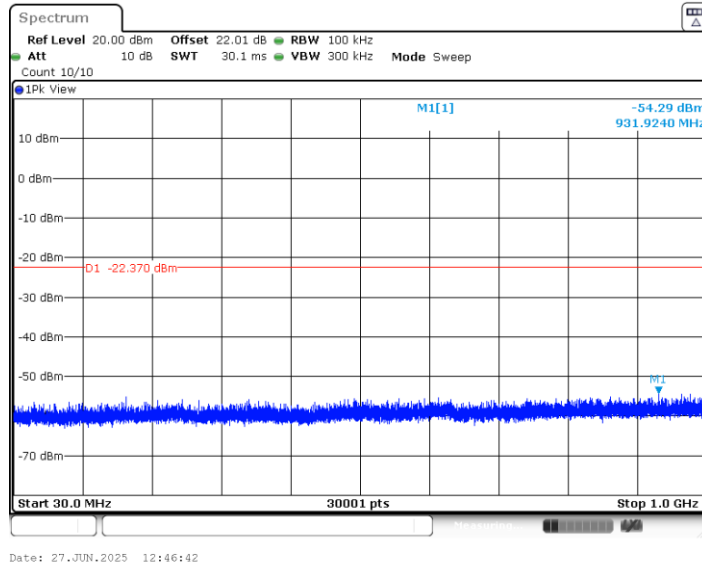


BLE_500K_Ant6_2480_1000~26500

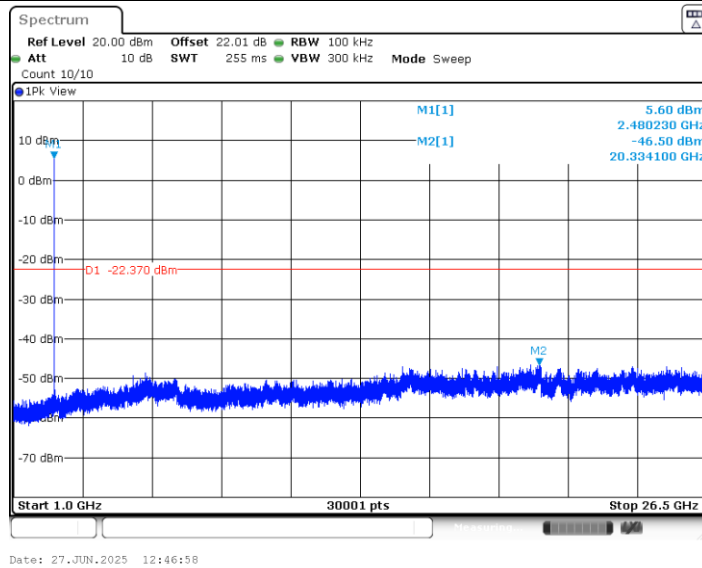




BLE_500K_Ant7_2480_30~1000



BLE_500K_Ant7_2480_1000~26500





BLE CS GFSK

DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
GFSK_1M	Ant6	2404	0.72	2403.65	2404.38	0.5	PASS
	Ant7	2404	0.73	2403.65	2404.38	0.5	PASS
	Ant6	2440	0.72	2439.65	2440.37	0.5	PASS
	Ant7	2440	0.72	2439.65	2440.37	0.5	PASS
	Ant6	2478	0.72	2477.65	2478.38	0.5	PASS
	Ant7	2478	0.73	2477.65	2478.38	0.5	PASS
GFSK_2M	Ant6	2404	1.38	2403.33	2404.71	0.5	PASS
	Ant7	2404	1.38	2403.33	2404.71	0.5	PASS
	Ant6	2440	1.38	2439.33	2440.71	0.5	PASS
	Ant7	2440	1.38	2439.33	2440.71	0.5	PASS
	Ant6	2478	1.38	2477.33	2478.71	0.5	PASS
	Ant7	2478	1.38	2477.33	2478.71	0.5	PASS

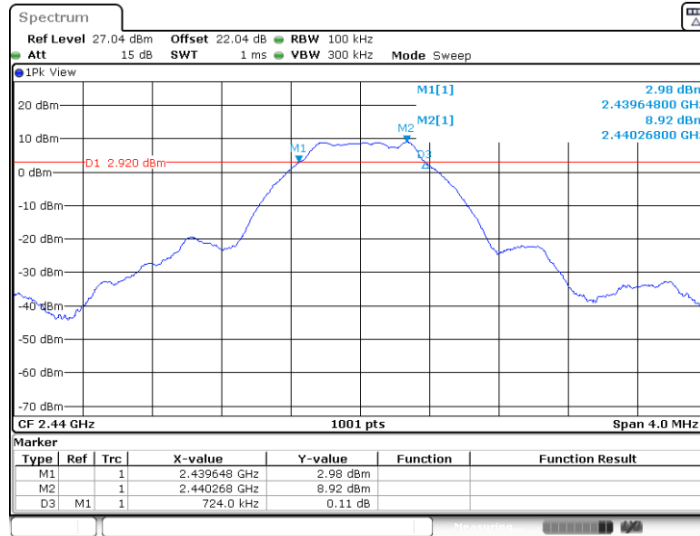


Test Graphs



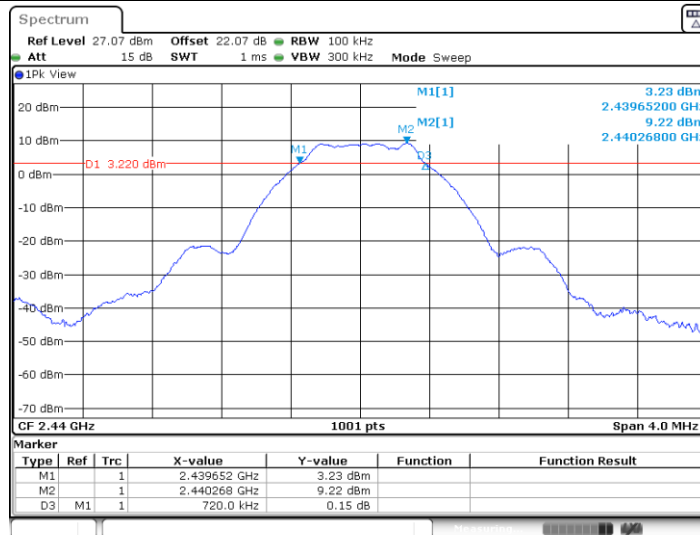


GFSK_1M_Ant6_2440



Date: 21.AUG.2025 00:17:00

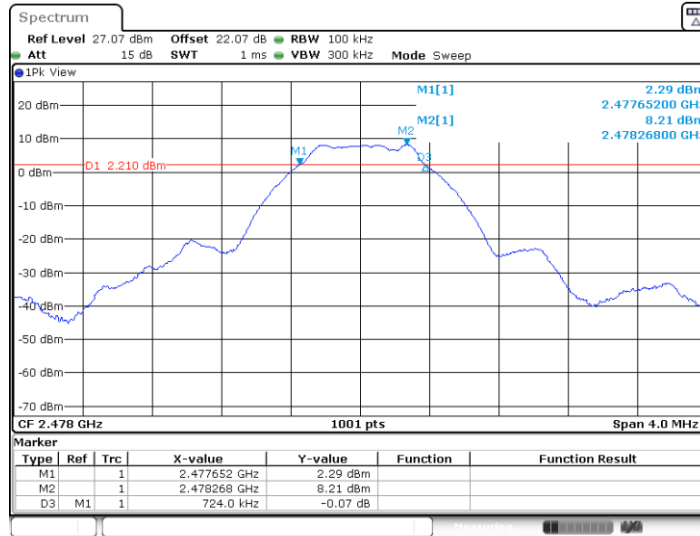
GFSK_1M_Ant7_2440



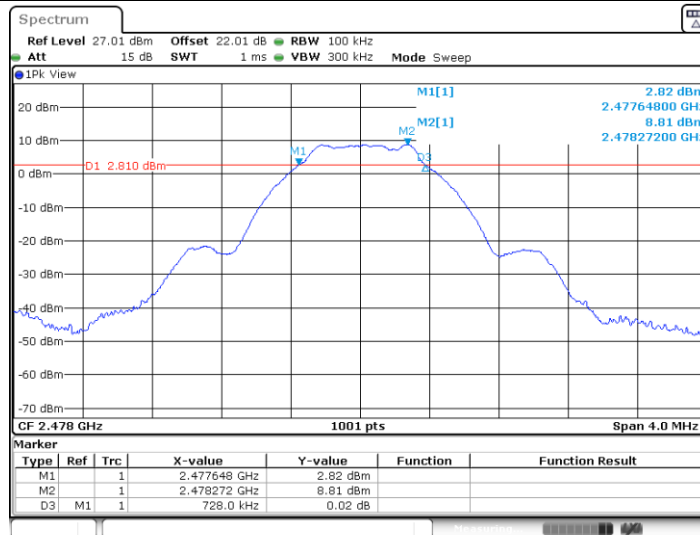
Date: 21.AUG.2025 00:36:33



GFSK_1M_Ant6_2478

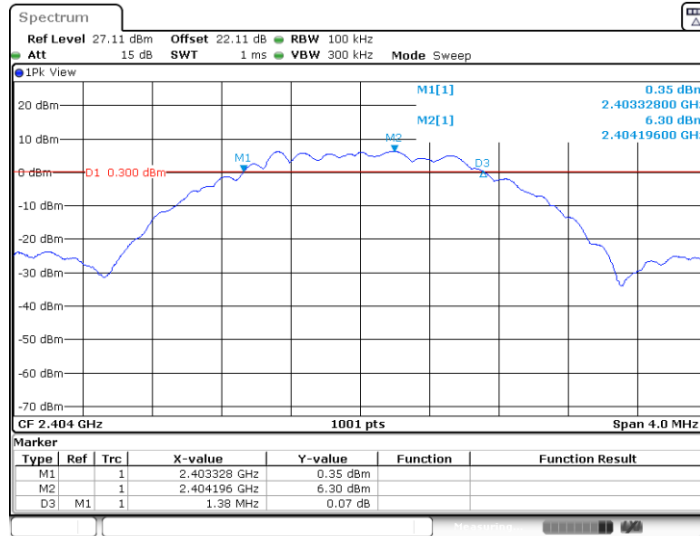


GFSK_1M_Ant7_2478



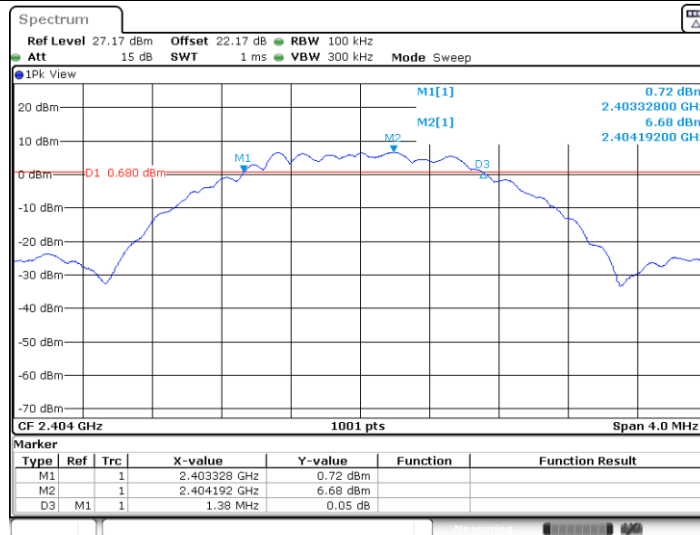


GFSK_2M_Ant6_2404



Date: 21.AUG.2025 00:20:26

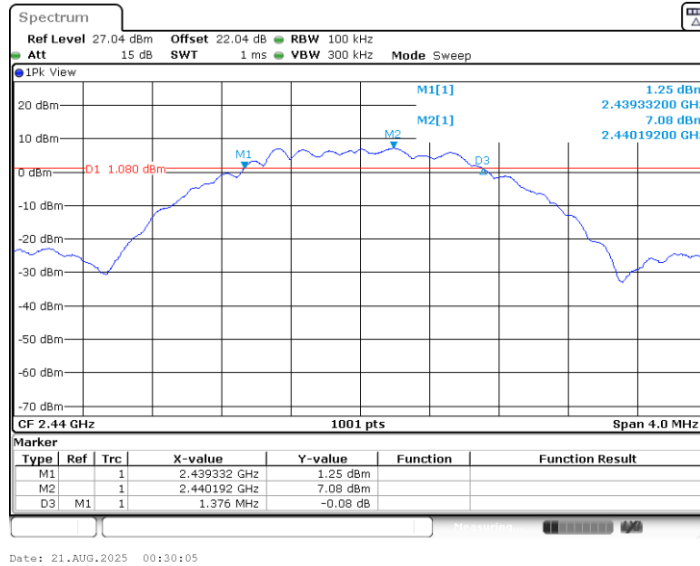
GFSK_2M_Ant7_2404



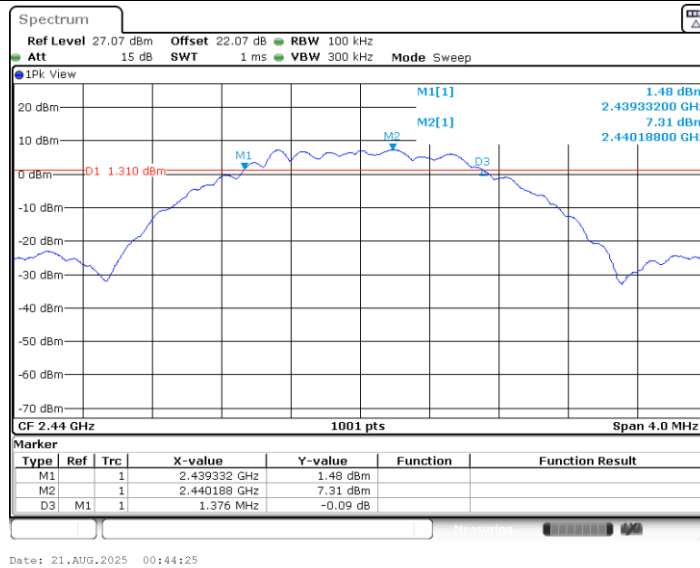
Date: 21.AUG.2025 00:42:26



GFSK_2M_Ant6_2440

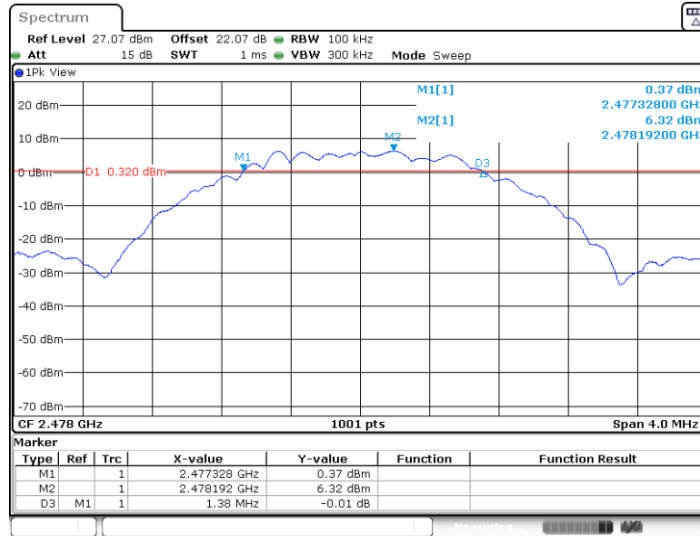


GFSK_2M_Ant7_2440



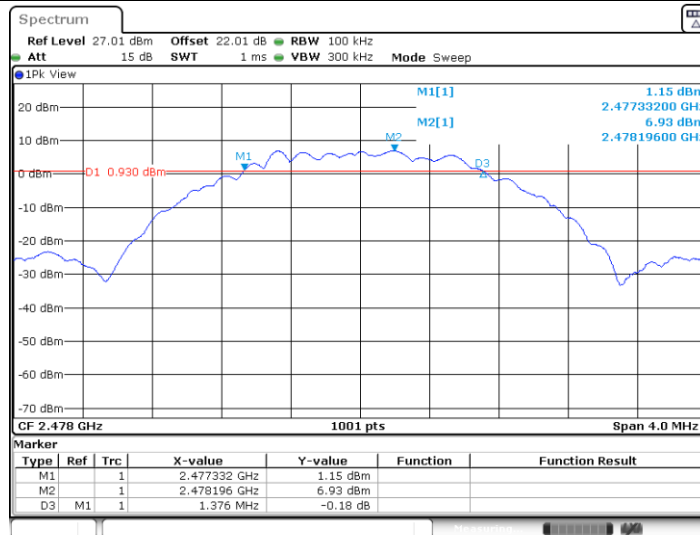


GFSK_2M_Ant6_2478



Date: 21.AUG.2025 00:31:39

GFSK_2M_Ant7_2478



Date: 21.AUG.2025 00:46:19



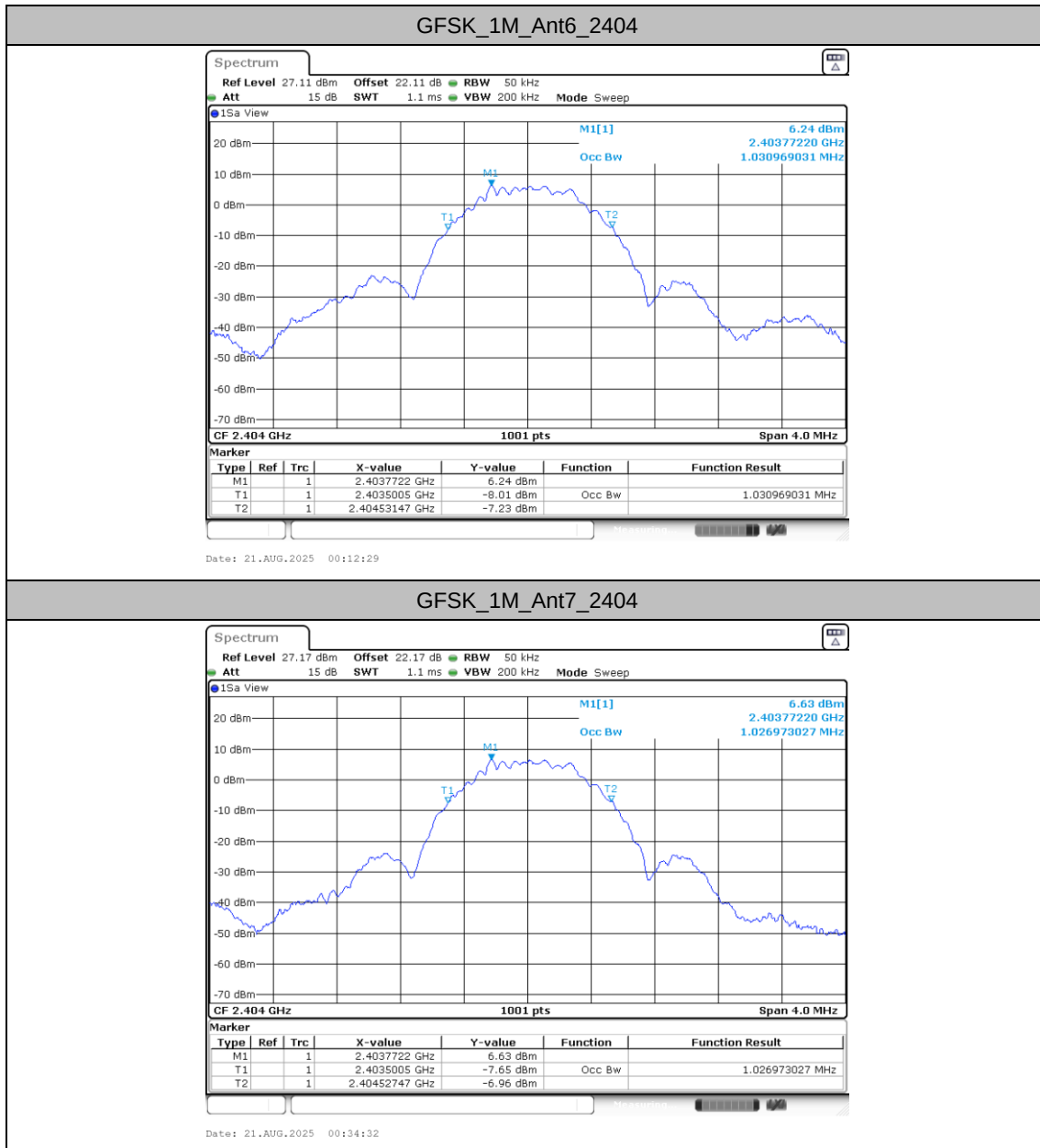
Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
GFSK_1M	Ant6	2404	1.031	2403.5005	2404.5315	---	---
	Ant7	2404	1.027	2403.5005	2404.5275	---	---
	Ant6	2440	1.027	2439.5005	2440.5275	---	---
	Ant7	2440	1.023	2439.5045	2440.5275	---	---
	Ant6	2478	1.027	2477.5005	2478.5275	---	---
	Ant7	2478	1.023	2477.5045	2478.5275	---	---
GFSK_2M	Ant6	2404	2.05	2403.0010	2405.0509	---	---
	Ant7	2404	2.05	2403.0010	2405.0509	---	---
	Ant6	2440	2.046	2439.0010	2441.0470	---	---
	Ant7	2440	2.05	2439.0010	2441.0509	---	---
	Ant6	2478	2.05	2476.9970	2479.0470	---	---
	Ant7	2478	2.046	2477.0010	2479.0470	---	---

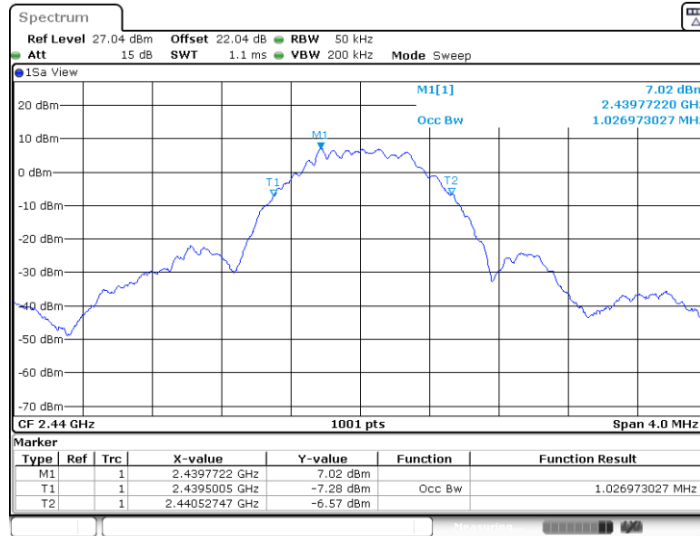


Test Graphs



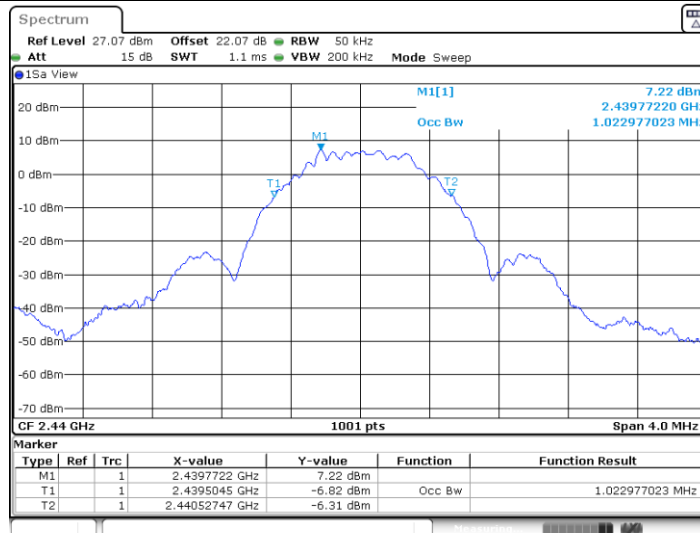


GFSK_1M_Ant6_2440



Date: 21.AUG.2025 00:17:11

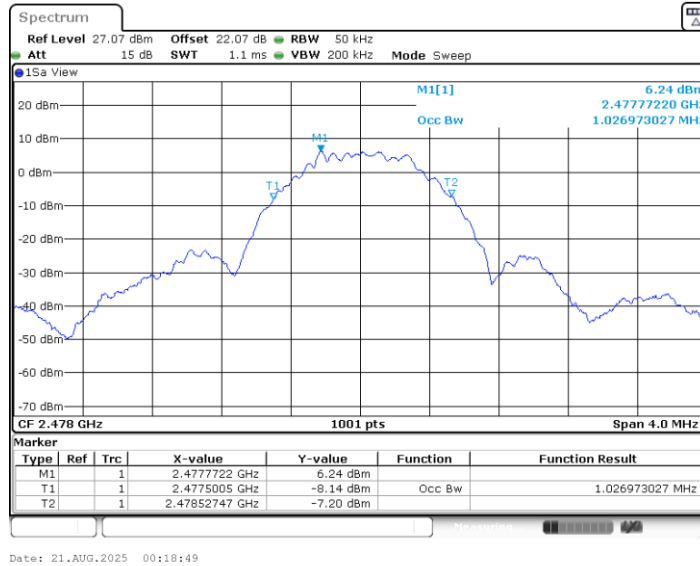
GFSK_1M_Ant7_2440



Date: 21.AUG.2025 00:36:44



GFSK_1M_Ant6_2478

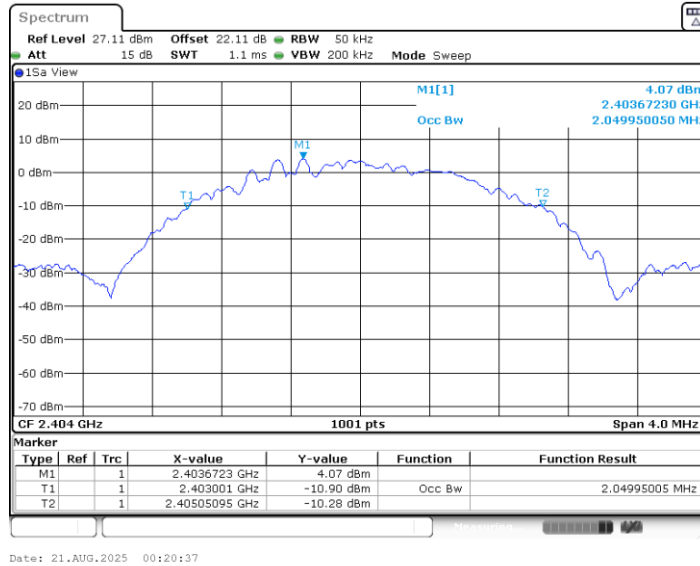


GFSK_1M_Ant7_2478

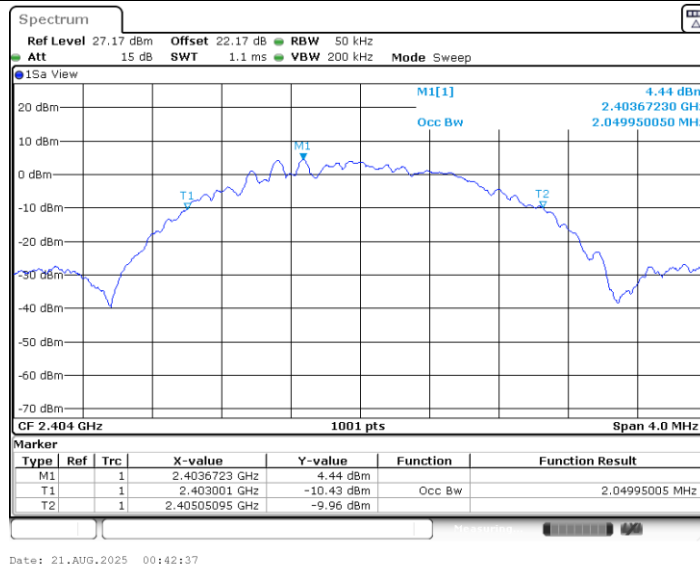




GFSK_2M_Ant6_2404

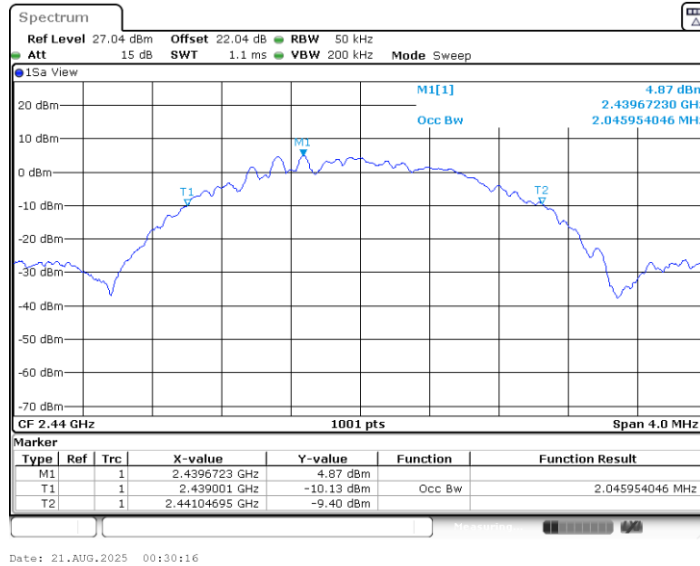


GFSK_2M_Ant7_2404

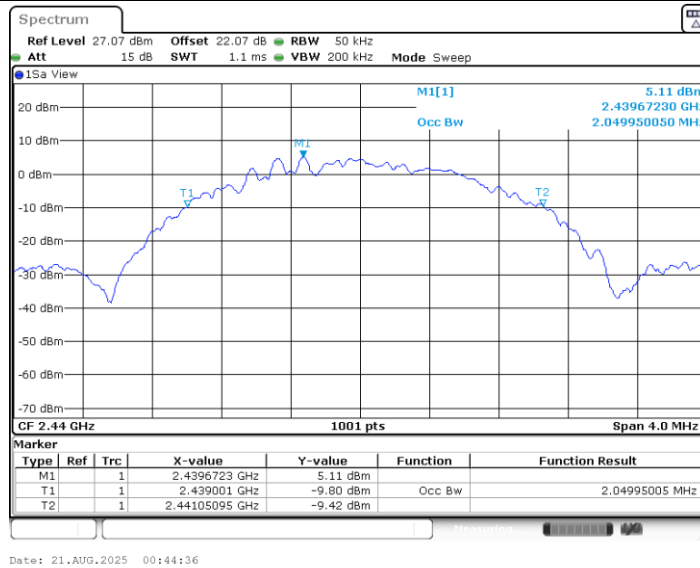




GFSK_2M_Ant6_2440

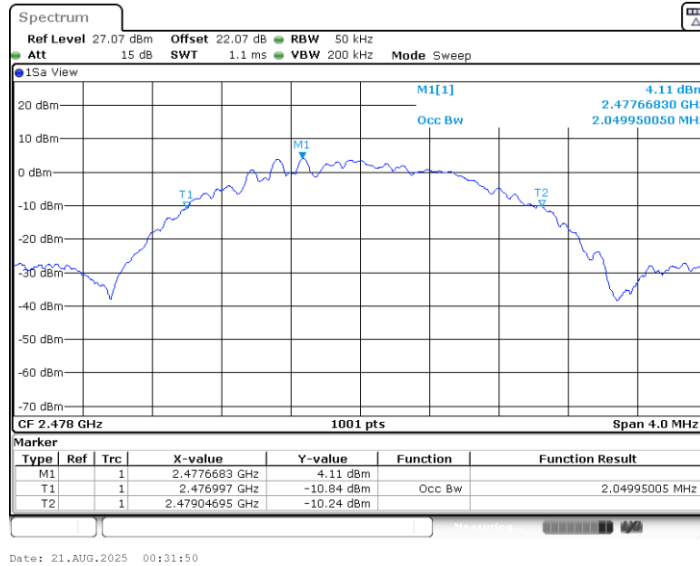


GFSK_2M_Ant7_2440

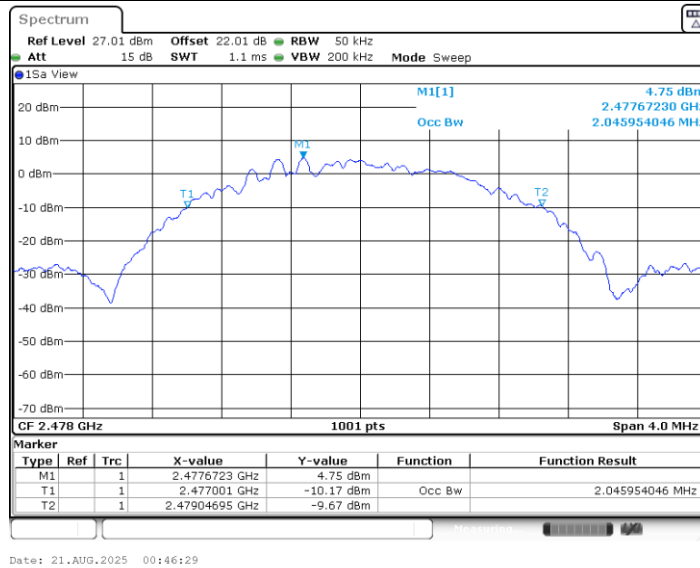




GFSK_2M_Ant6_2478



GFSK_2M_Ant7_2478





Maximum conducted output power

Test Result Average

TestMode	Antenna	CH.	Duty Factor (dB)	Average Conducted Power (dBm)	Conducted Power Limit	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit	Pass/Fail	Power Setting
GFSK_1M	Ant 6	2	0.00	9.17	30.00	0.72	9.89	36.00	Pass	0x09
		38	0.00	10.14	30.00	0.72	10.86	36.00	Pass	0x09
		76	0.00	9.45	30.00	0.72	10.17	36.00	Pass	0x09
GFSK_2M	Ant 6	2	0.00	9.26	30.00	0.72	9.98	36.00	Pass	0x09
		38	0.00	10.22	30.00	0.72	10.94	36.00	Pass	0x09
		76	0.00	9.51	30.00	0.72	10.23	36.00	Pass	0x09
GFSK_1M	Ant 7	2	0.00	9.42	30.00	1.01	10.43	36.00	Pass	0x09
		38	0.00	10.31	30.00	1.01	11.32	36.00	Pass	0x09
		76	0.00	9.97	30.00	1.01	10.98	36.00	Pass	0x09
GFSK_2M	Ant 7	2	0.00	9.48	30.00	1.01	10.49	36.00	Pass	0x09
		38	0.00	10.37	30.00	1.01	11.38	36.00	Pass	0x09
		76	0.00	10.03	30.00	1.01	11.04	36.00	Pass	0x09



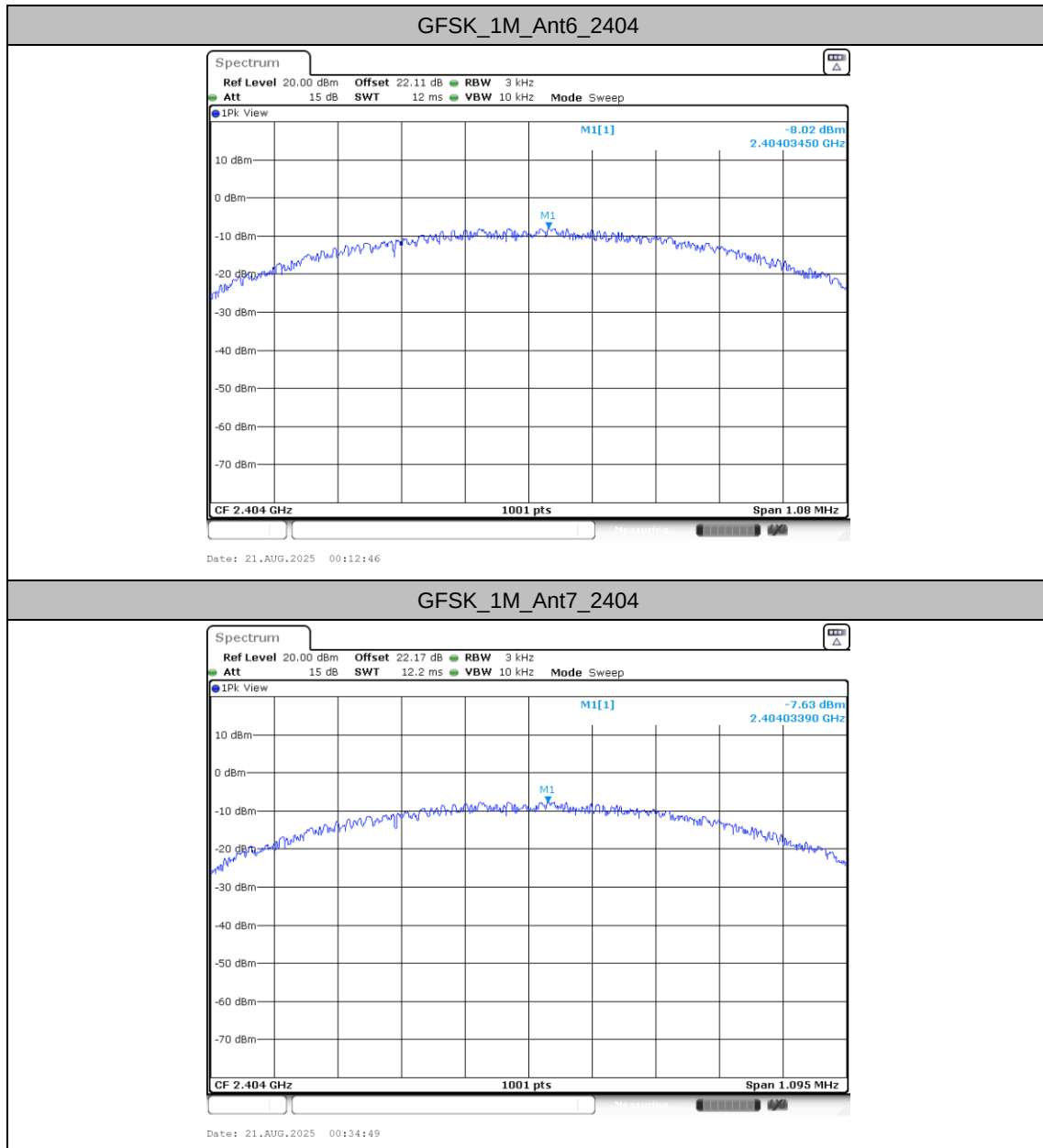
Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
GFSK_1M	Ant6	2404	-8.02	≤8.00	PASS
	Ant7	2404	-7.63	≤8.00	PASS
	Ant6	2440	-7.23	≤8.00	PASS
	Ant7	2440	-7.02	≤8.00	PASS
	Ant6	2478	-8.00	≤8.00	PASS
	Ant7	2478	-7.41	≤8.00	PASS
GFSK_2M	Ant6	2404	-13.34	≤8.00	PASS
	Ant7	2404	-12.97	≤8.00	PASS
	Ant6	2440	-12.56	≤8.00	PASS
	Ant7	2440	-12.32	≤8.00	PASS
	Ant6	2478	-13.30	≤8.00	PASS
	Ant7	2478	-12.71	≤8.00	PASS

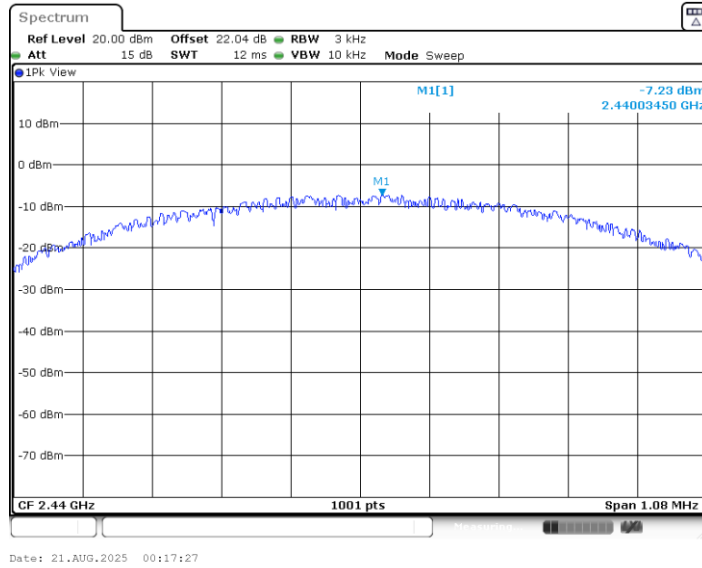


Test Graphs

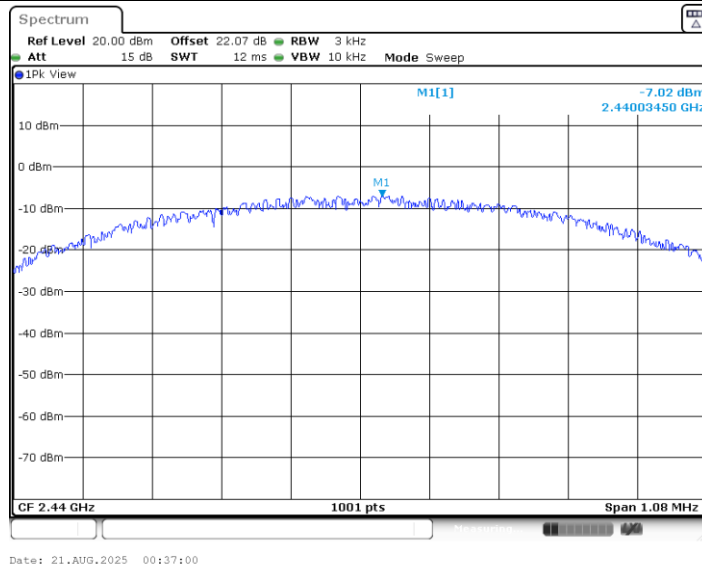




GFSK_1M_Ant6_2440

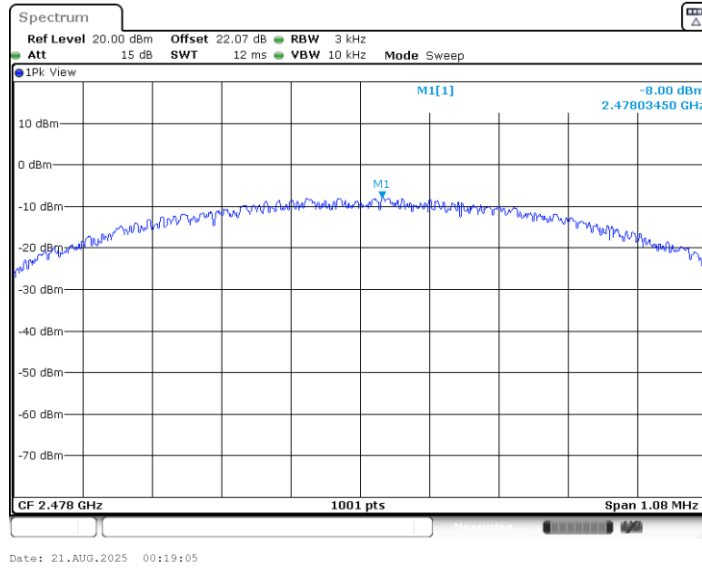


GFSK_1M_Ant7_2440

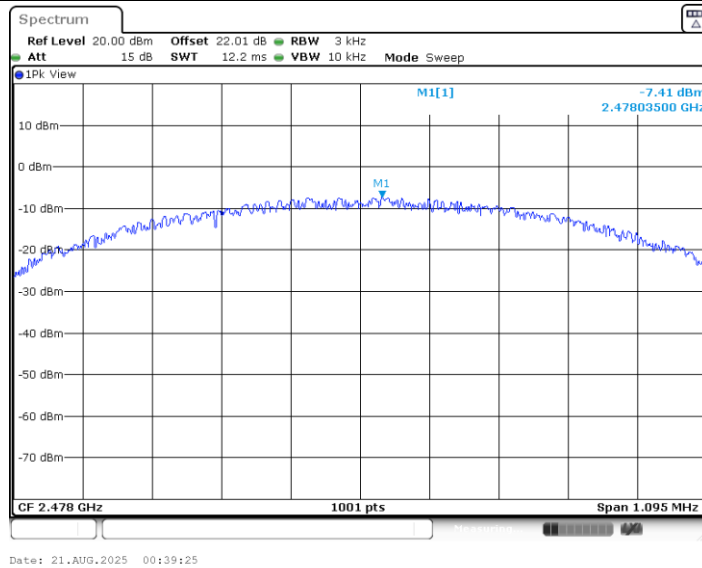




GFSK_1M_Ant6_2478

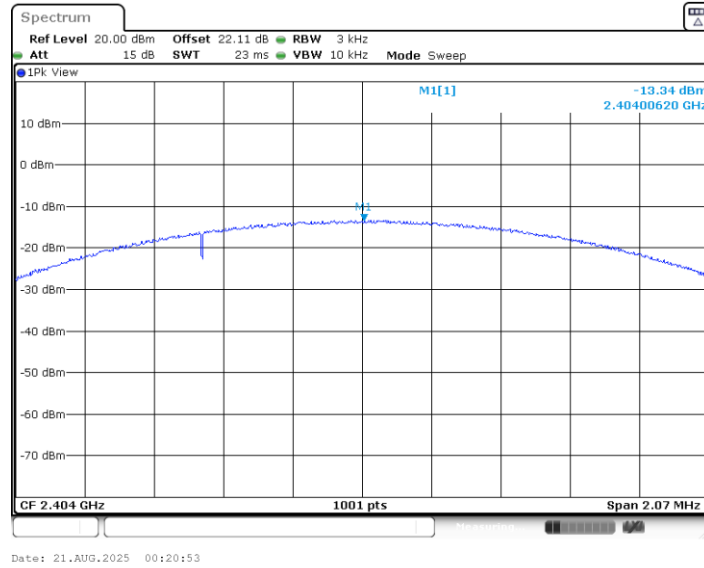


GFSK_1M_Ant7_2478

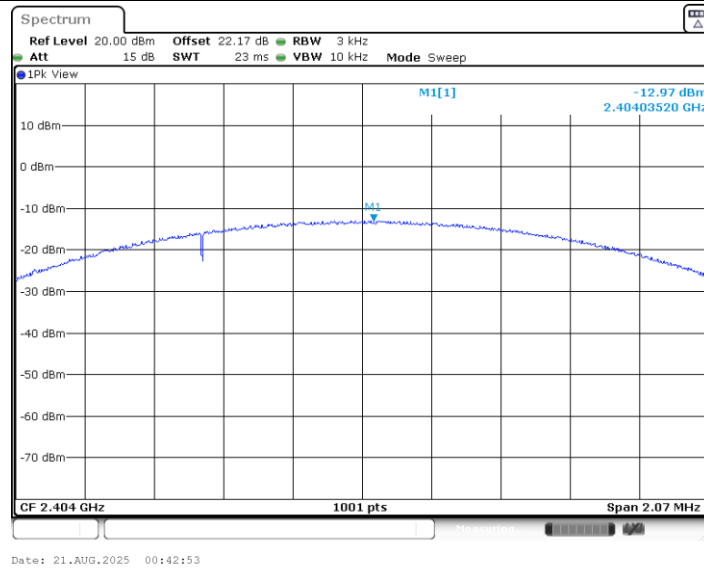




GFSK_2M_Ant6_2404

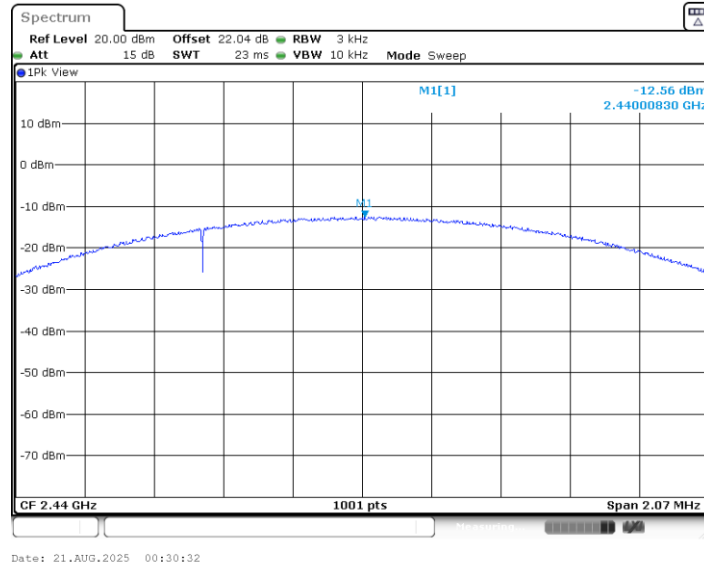


GFSK_2M_Ant7_2404

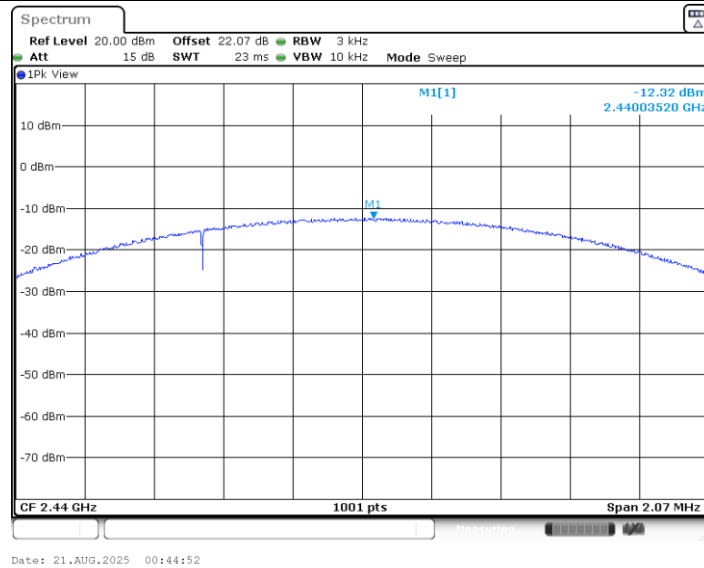




GFSK_2M_Ant6_2440

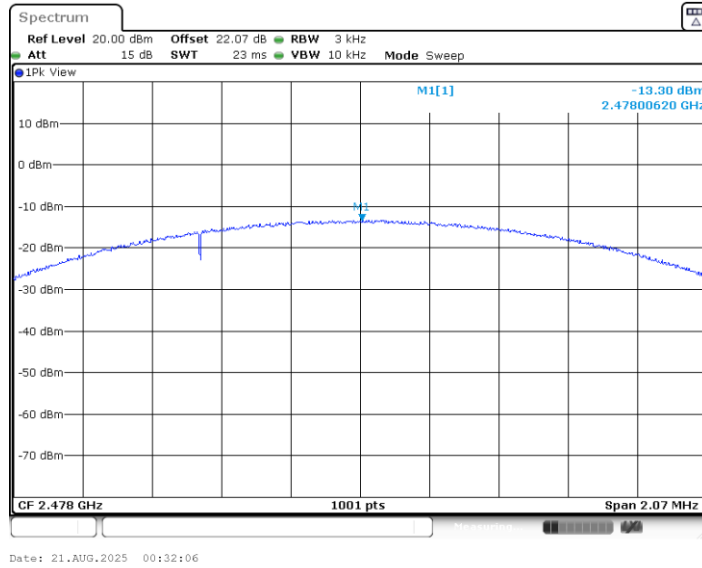


GFSK_2M_Ant7_2440

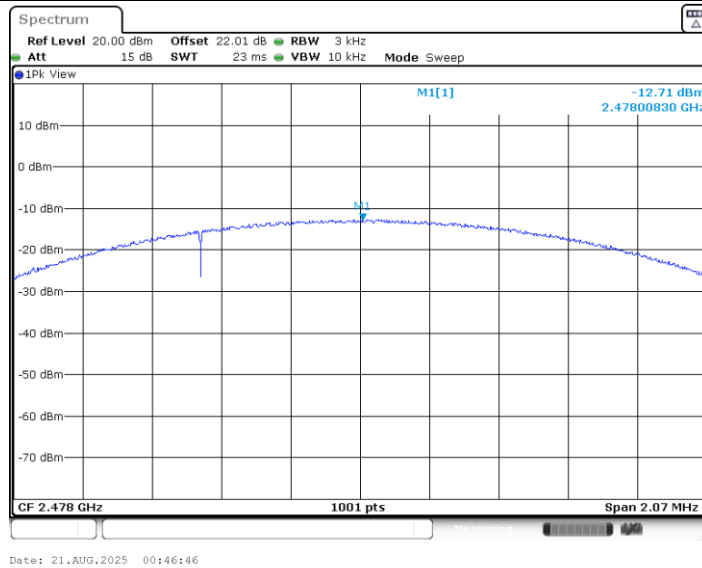




GFSK_2M_Ant6_2478



GFSK_2M_Ant7_2478





Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm/100KHz]
GFSK_1M	Ant6	2404	2404.27	8.17
	Ant7	2404	2404.27	8.51
	Ant6	2440	2440.26	8.92
	Ant7	2440	2440.27	9.21
	Ant6	2478	2478.26	8.21
	Ant7	2478	2478.27	8.80
GFSK_2M	Ant6	2404	2404.19	6.19
	Ant7	2404	2404.19	6.57
	Ant6	2440	2439.53	6.98
	Ant7	2440	2440.19	7.19
	Ant6	2478	2478.19	6.21
	Ant7	2478	2477.53	6.83

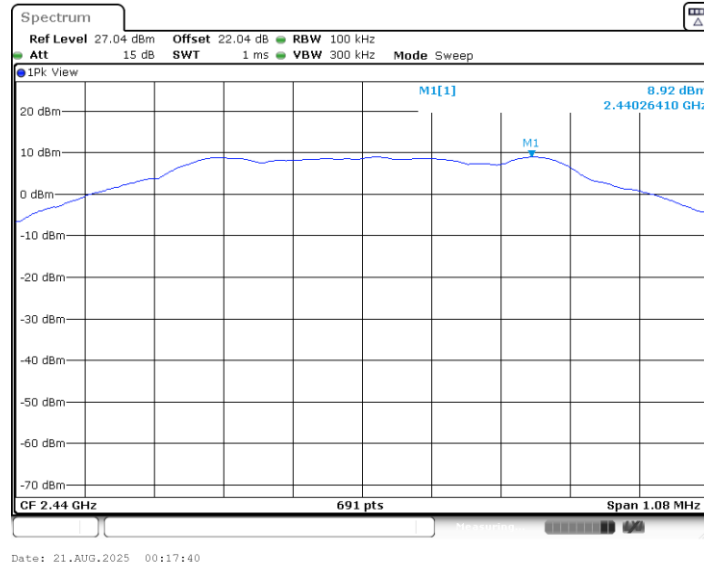


Test Graphs





GFSK_1M_Ant6_2440



GFSK_1M_Ant7_2440

