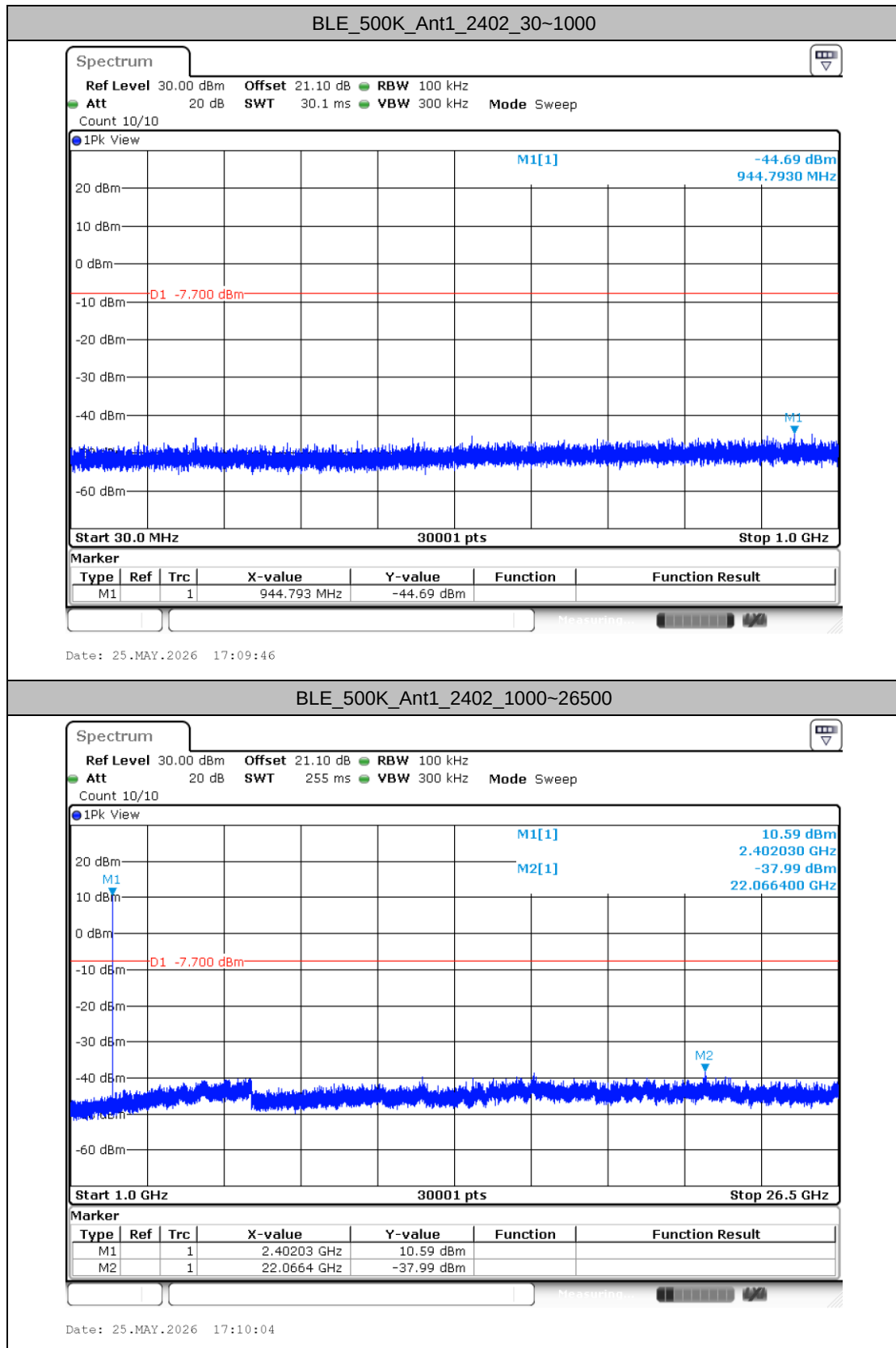
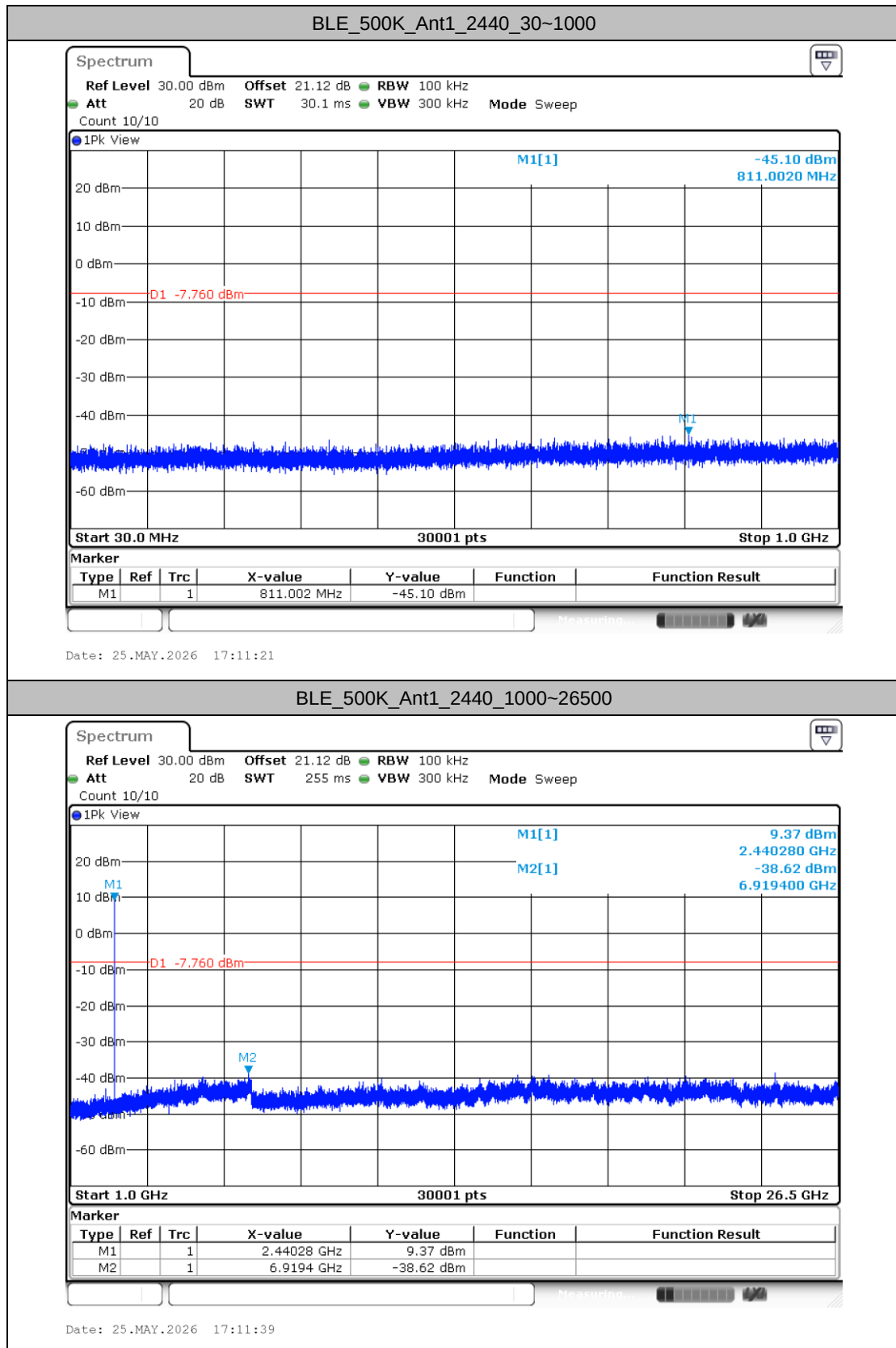
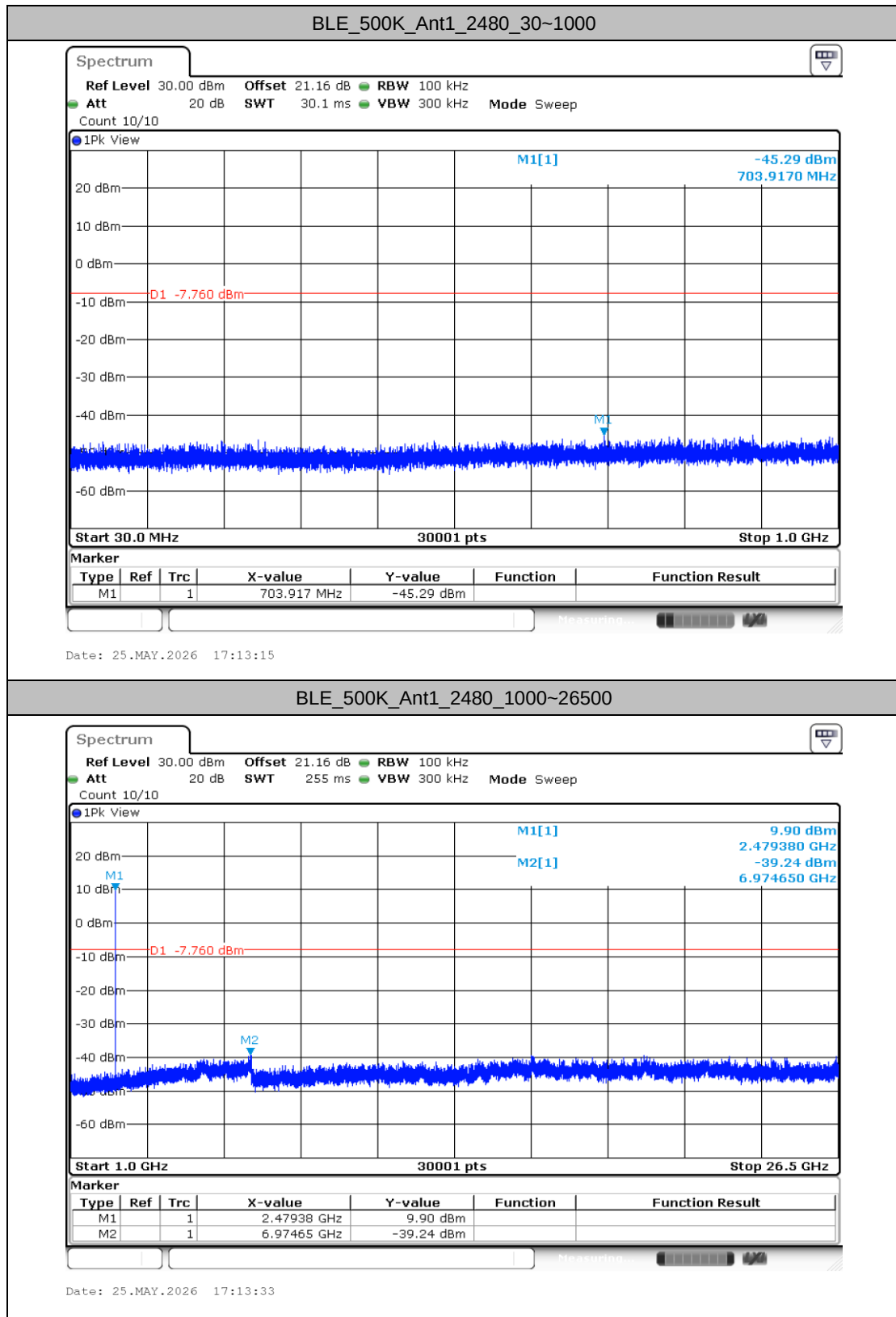










<ANT2>

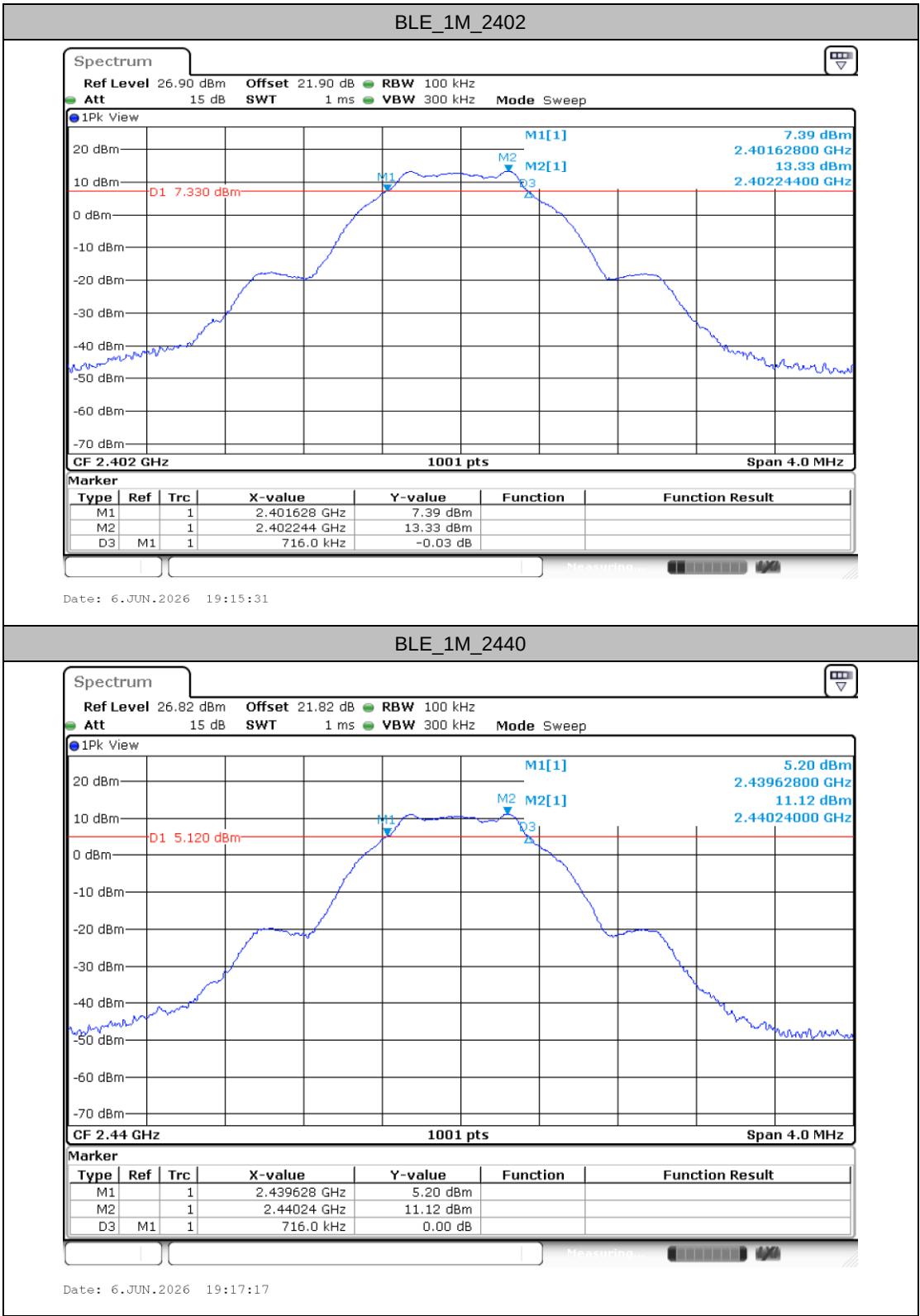
DTS Bandwidth

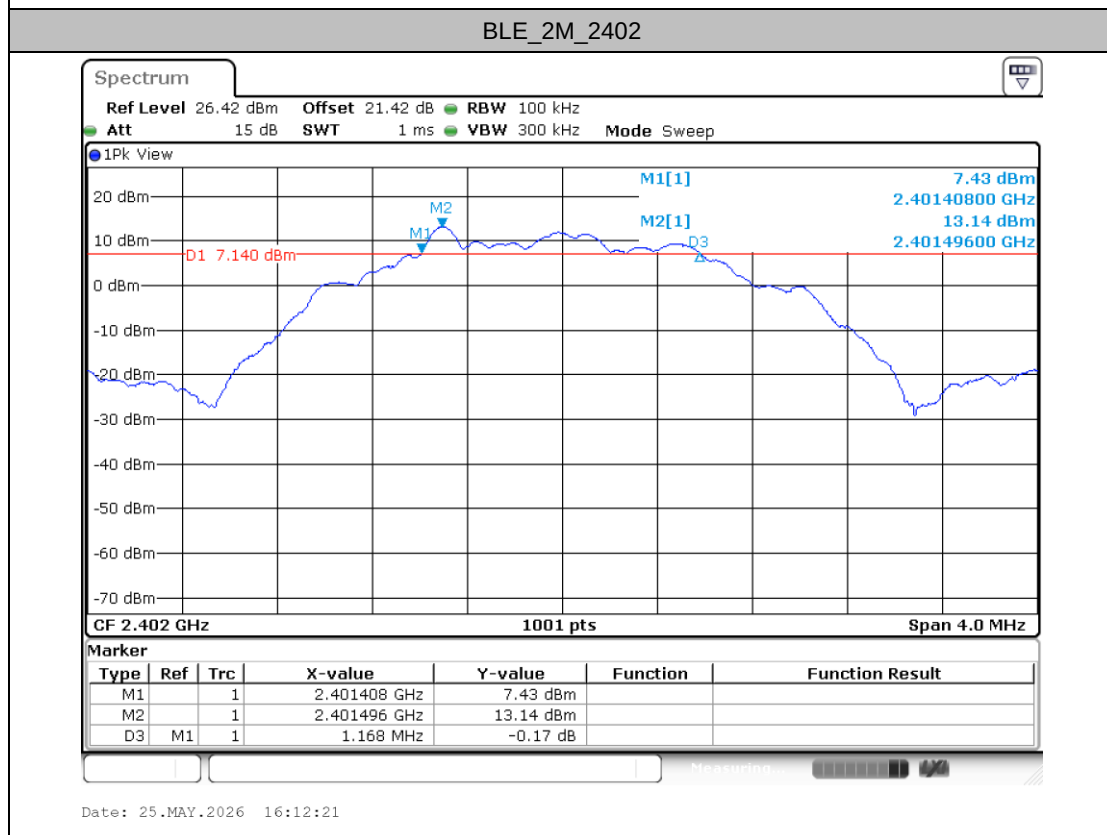
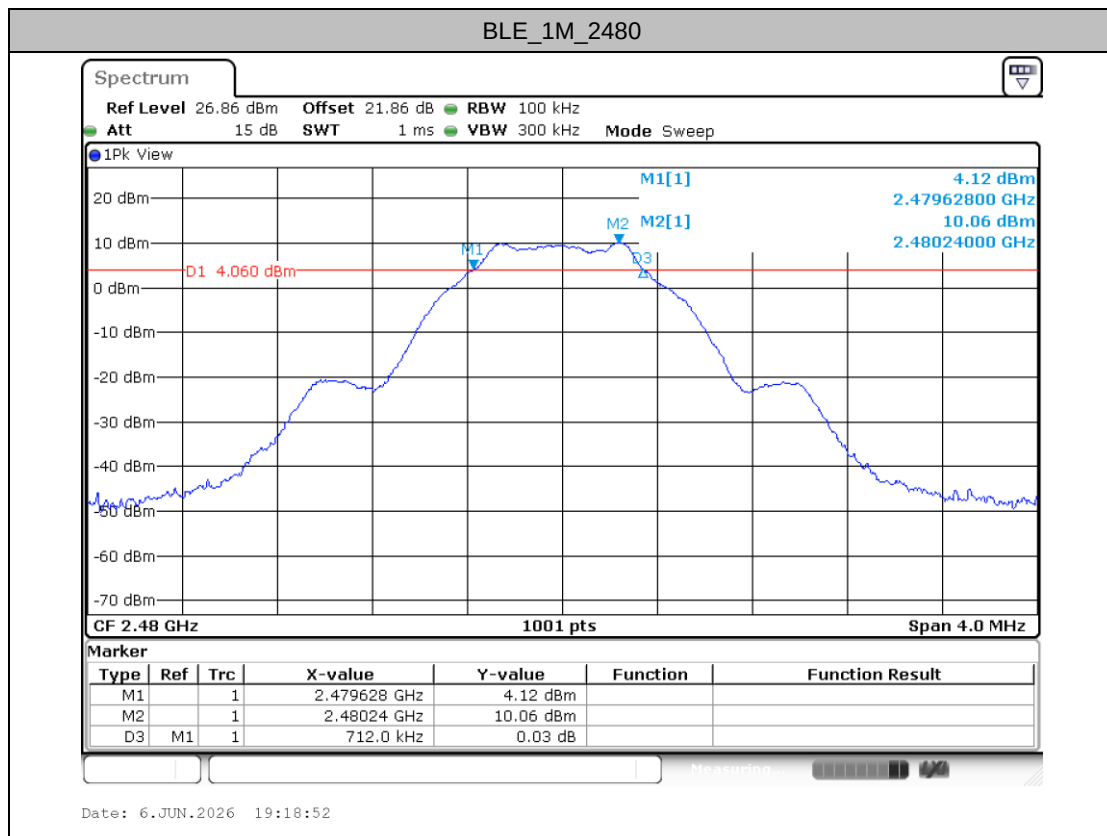
Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant2	2402	0.72	2401.63	2402.34	0.5	PASS
		2440	0.72	2439.63	2440.34	0.5	PASS
		2480	0.71	2479.63	2480.34	0.5	PASS
BLE_2M	Ant2	2402	1.17	2401.41	2402.58	0.5	PASS
		2440	1.17	2439.40	2440.58	0.5	PASS
		2480	1.17	2479.40	2480.57	0.5	PASS
BLE_125K	Ant2	2402	0.66	2401.66	2402.33	0.5	PASS
		2440	0.68	2439.65	2440.34	0.5	PASS
		2480	0.69	2479.65	2480.34	0.5	PASS
BLE_500K	Ant2	2402	0.67	2401.67	2402.34	0.5	PASS
		2440	0.67	2439.67	2440.34	0.5	PASS
		2480	0.67	2479.67	2480.34	0.5	PASS

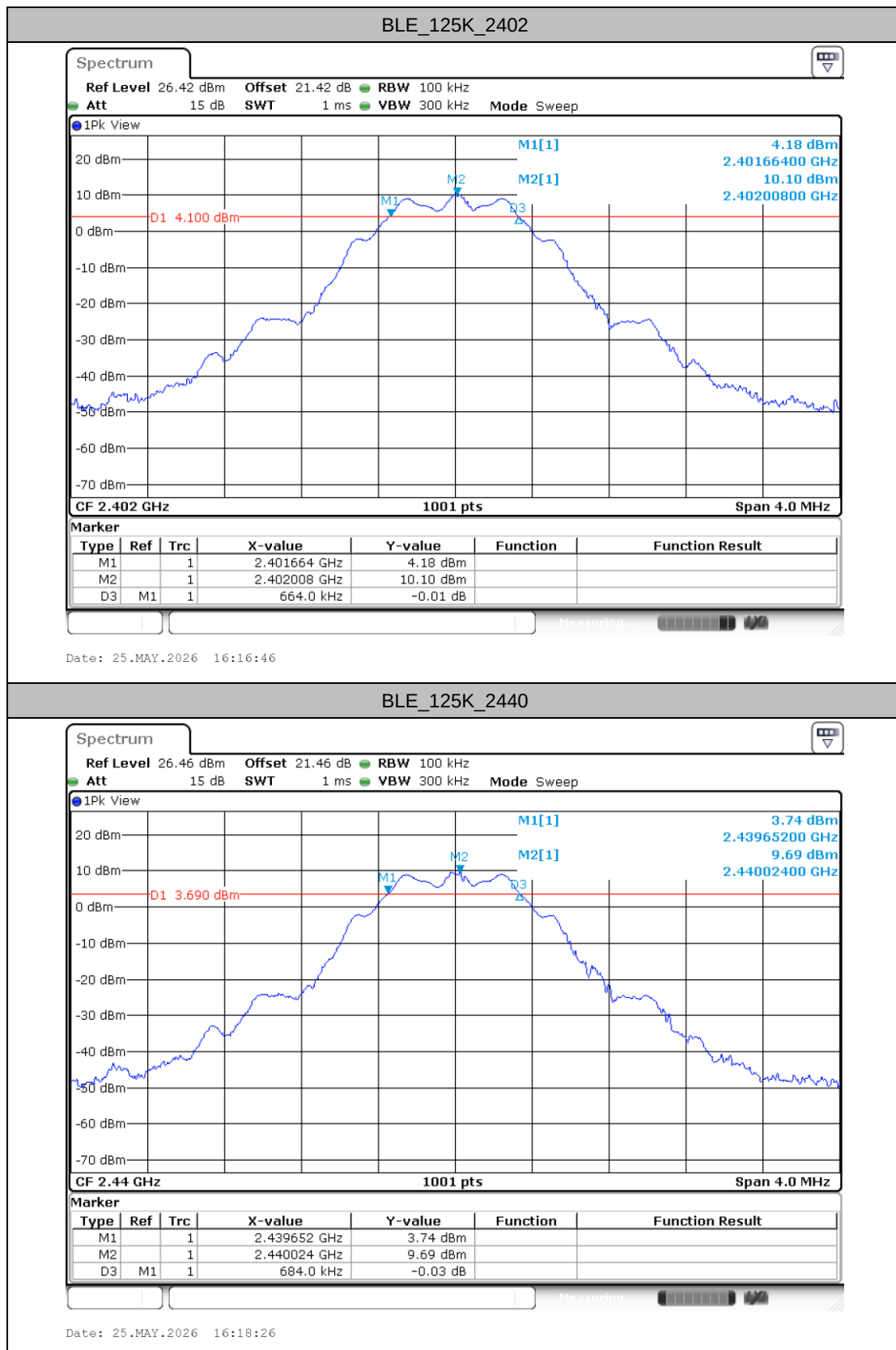


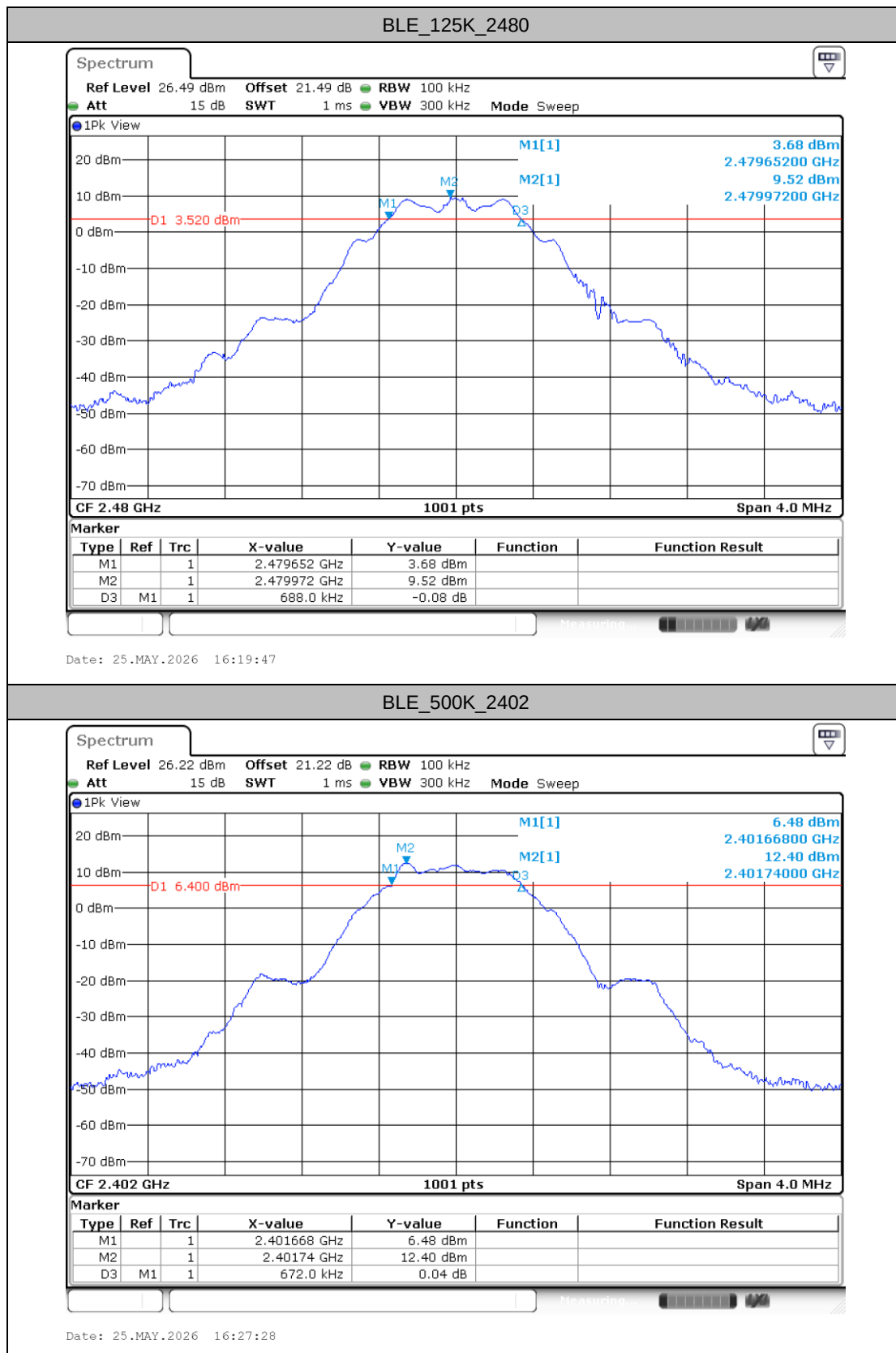
Test Graphs

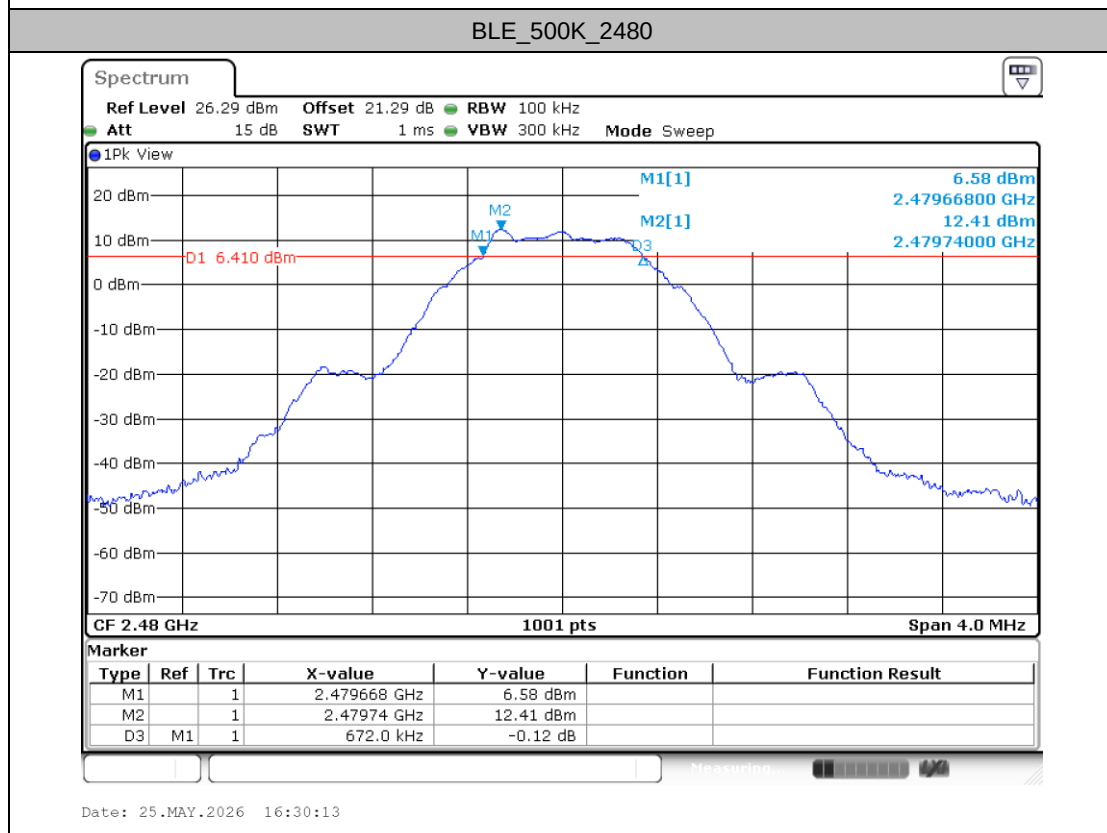
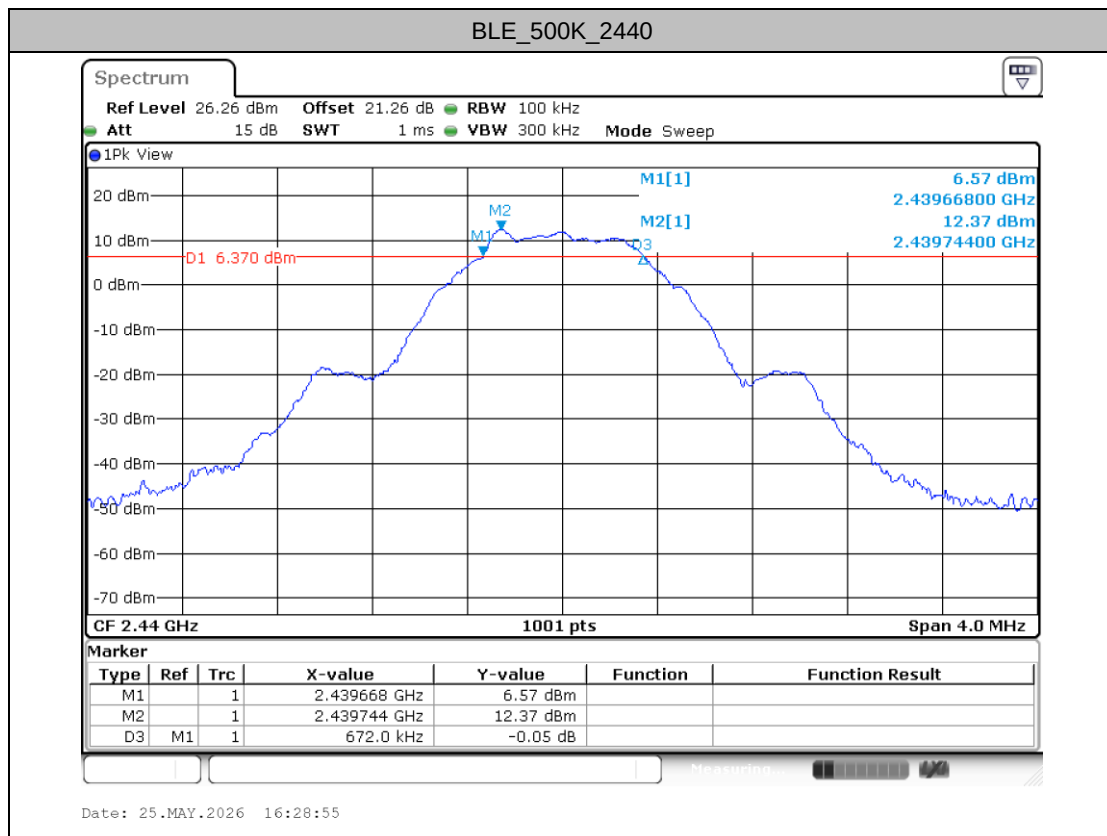














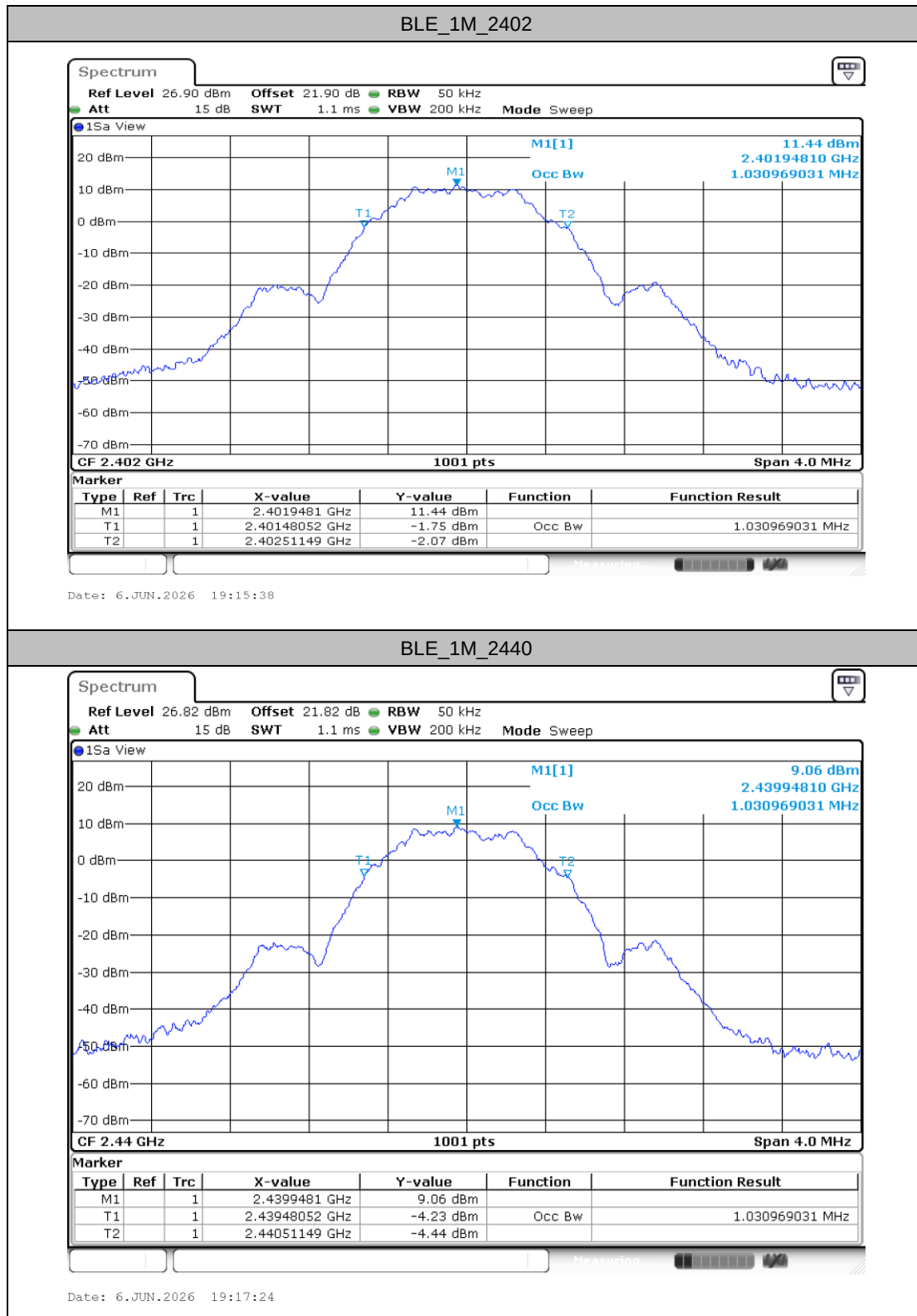
Occupied Channel Bandwidth

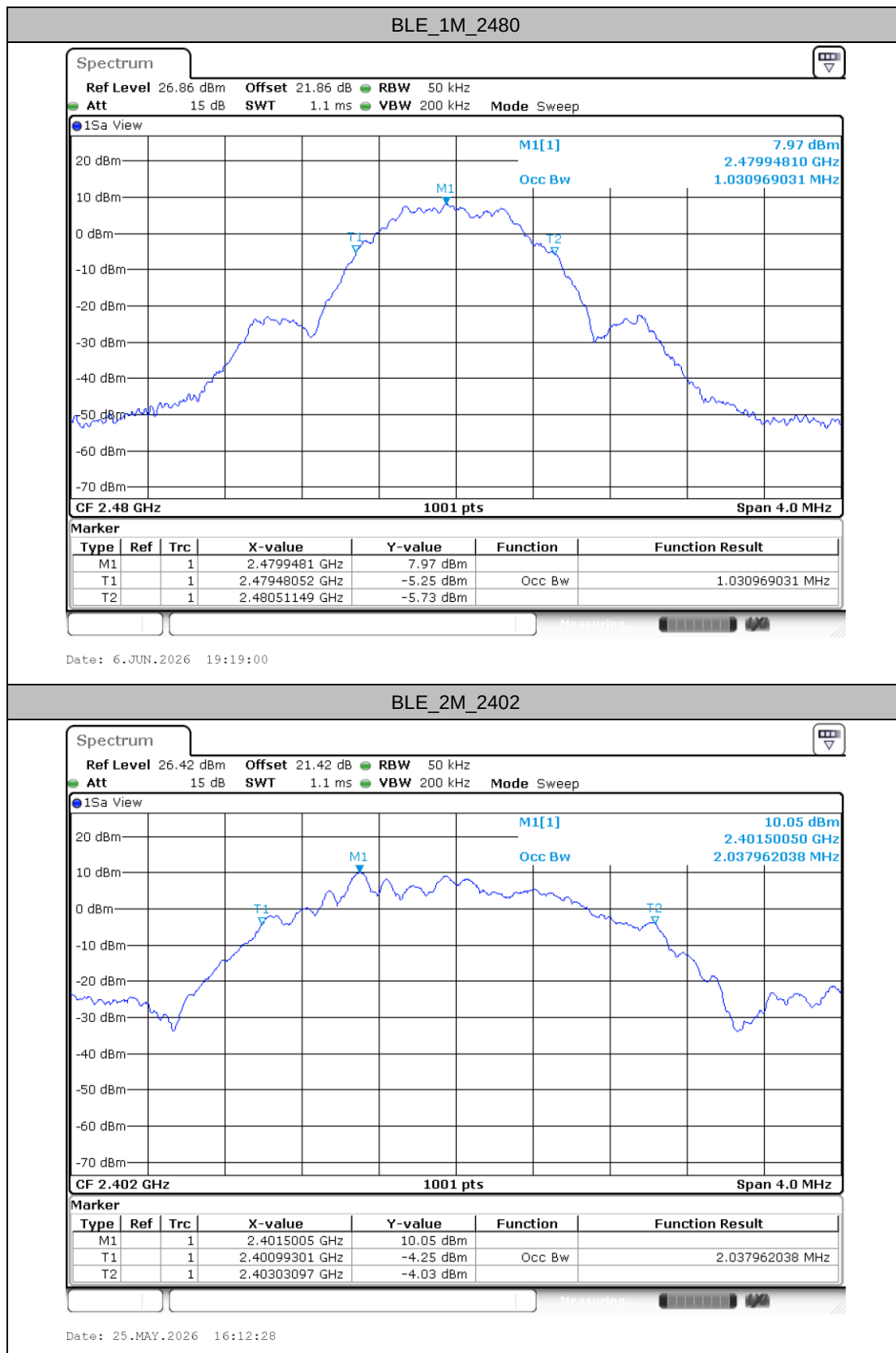
Test Result

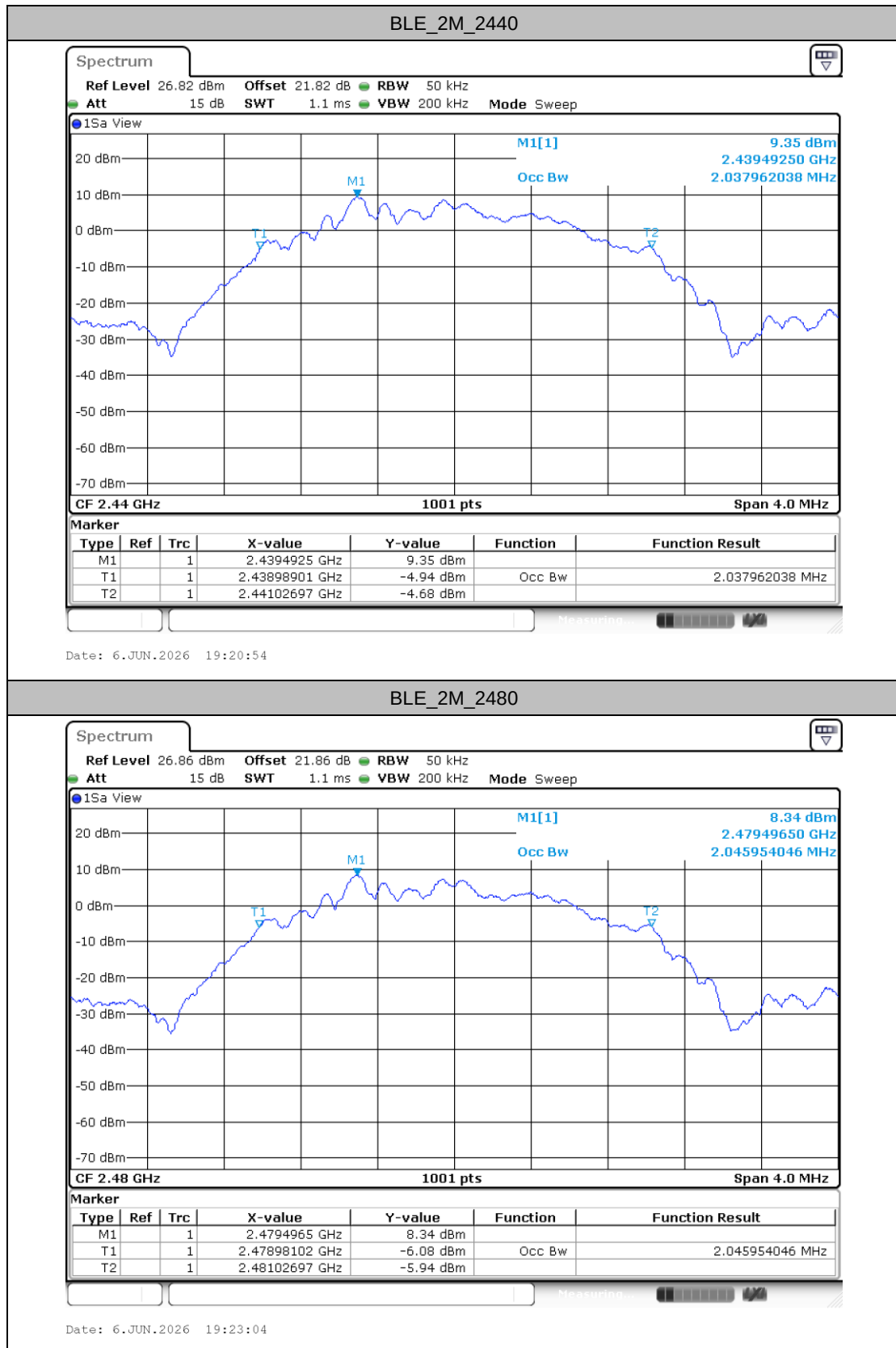
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant2	2402	1.031	2401.4805	2402.5115
		2440	1.031	2439.4805	2440.5115
		2480	1.031	2479.4805	2480.5115
BLE_2M	Ant2	2402	2.038	2400.9930	2403.0310
		2440	2.038	2438.9890	2441.0270
		2480	2.046	2478.9810	2481.0270
BLE_125K	Ant2	2402	1.051	2401.4645	2402.5155
		2440	1.055	2439.4645	2440.5195
		2480	1.055	2479.4645	2480.5195
BLE_500K	Ant2	2402	1.023	2401.4845	2402.5075
		2440	1.027	2439.4845	2440.5115
		2480	1.027	2479.4805	2480.5075

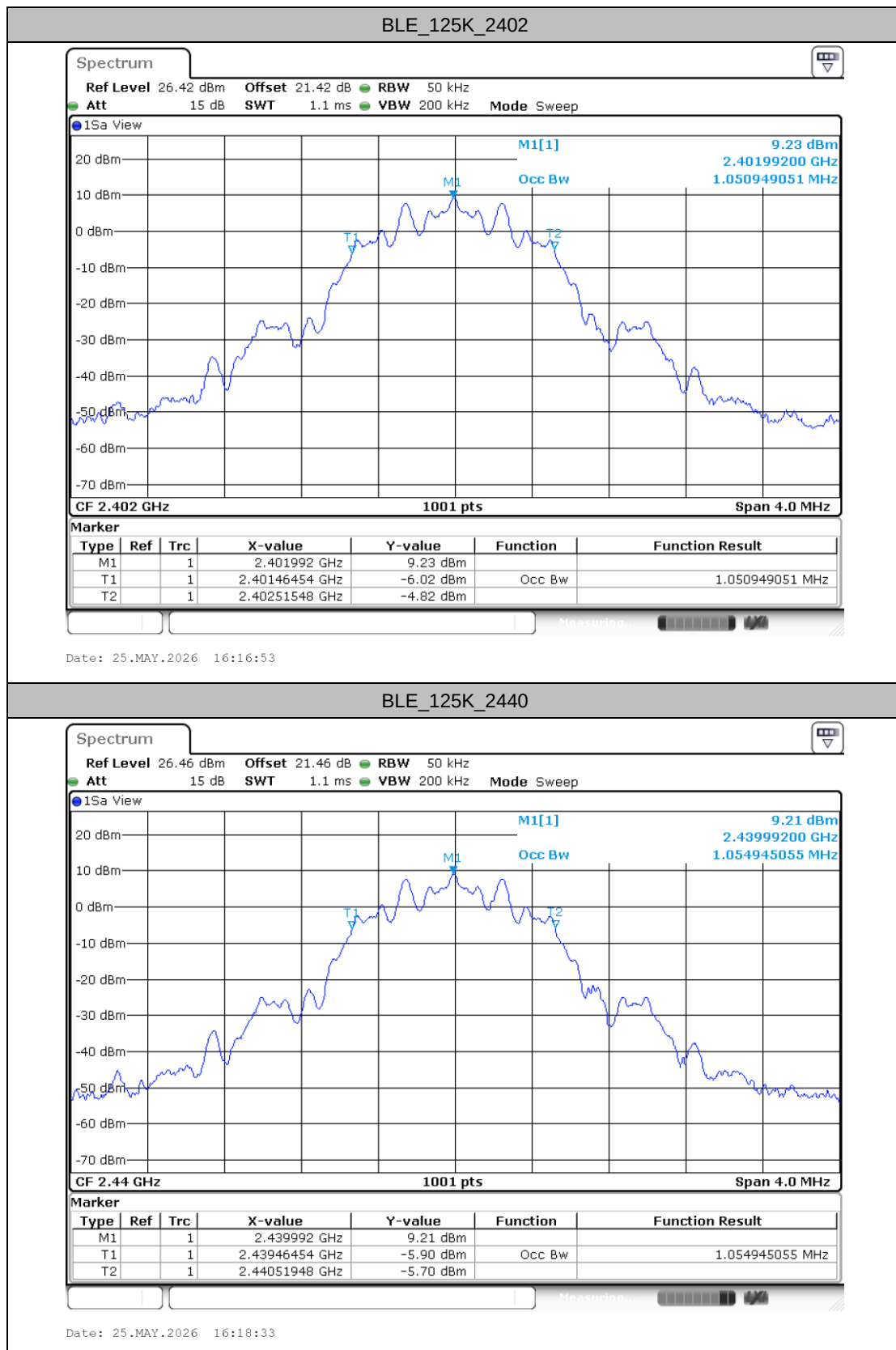


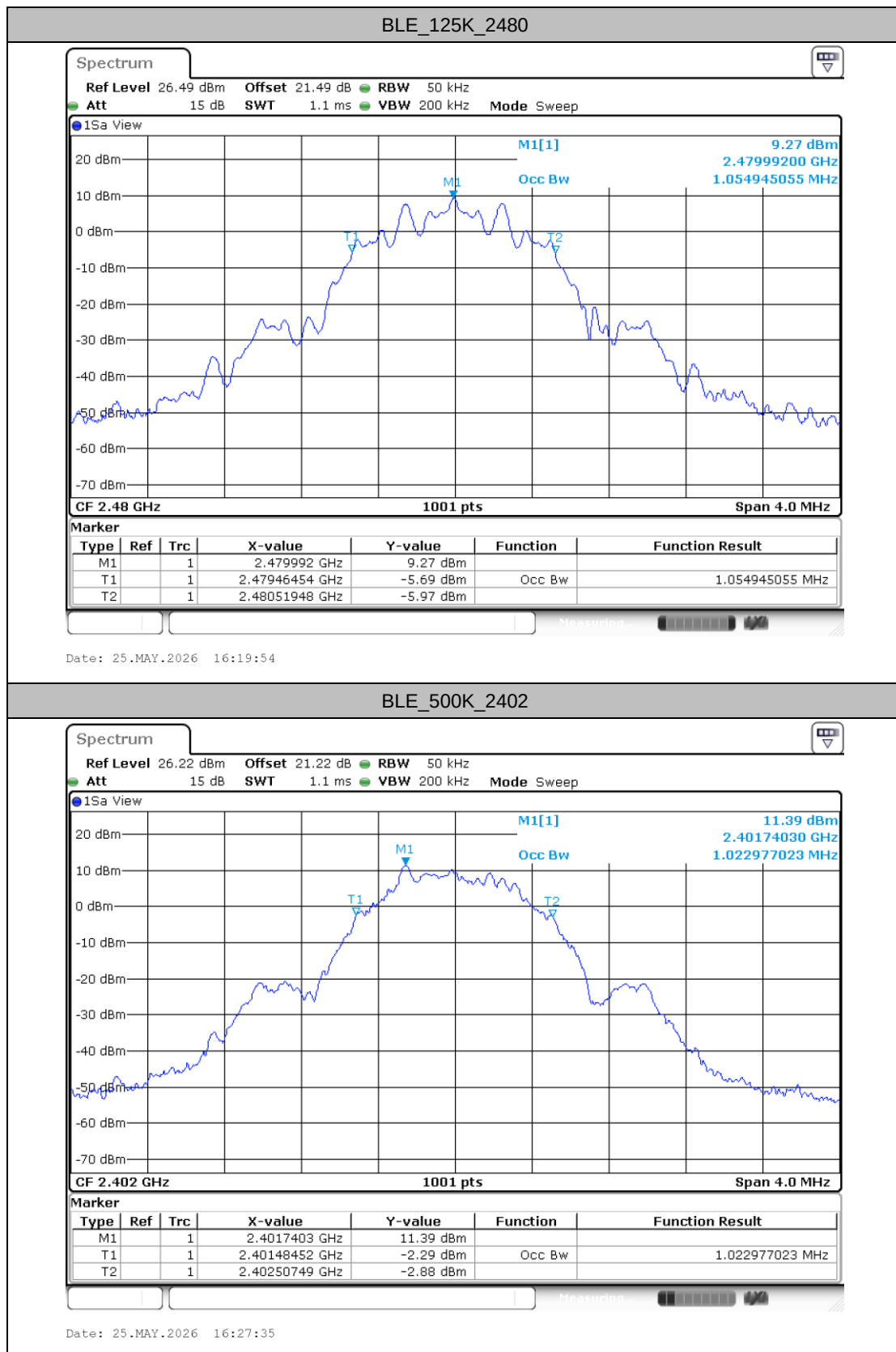
Test Graphs

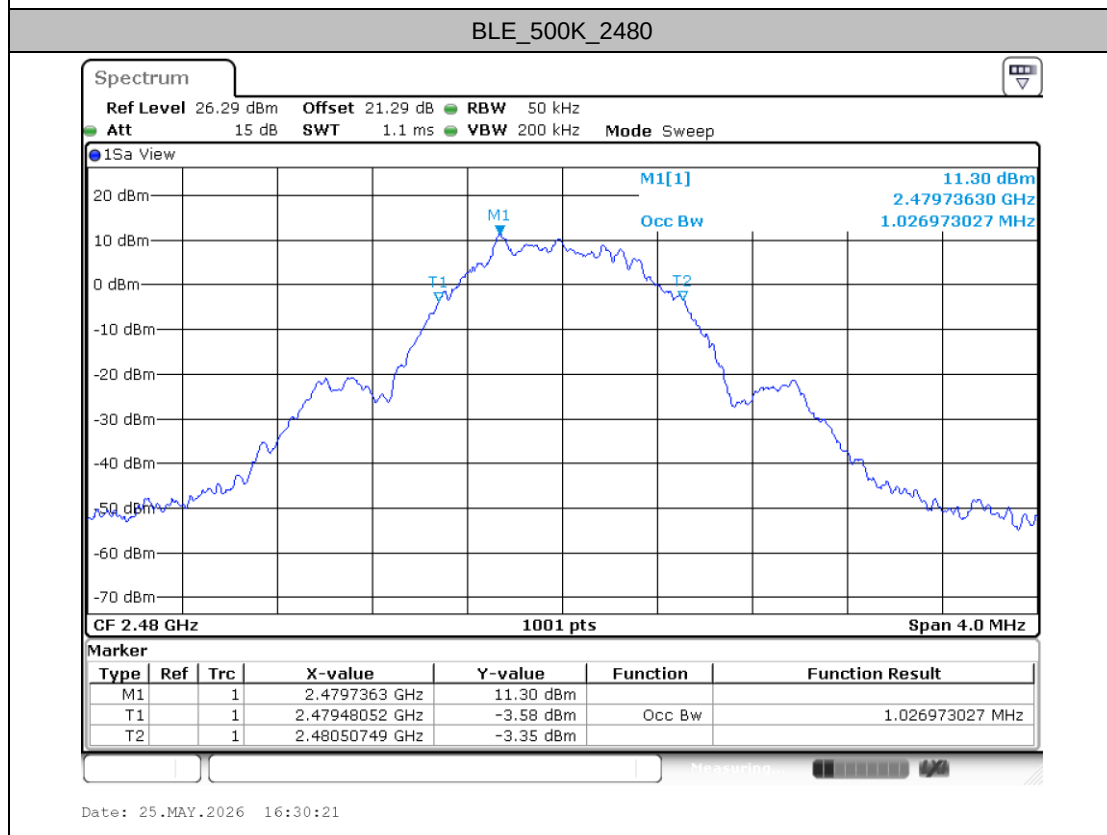
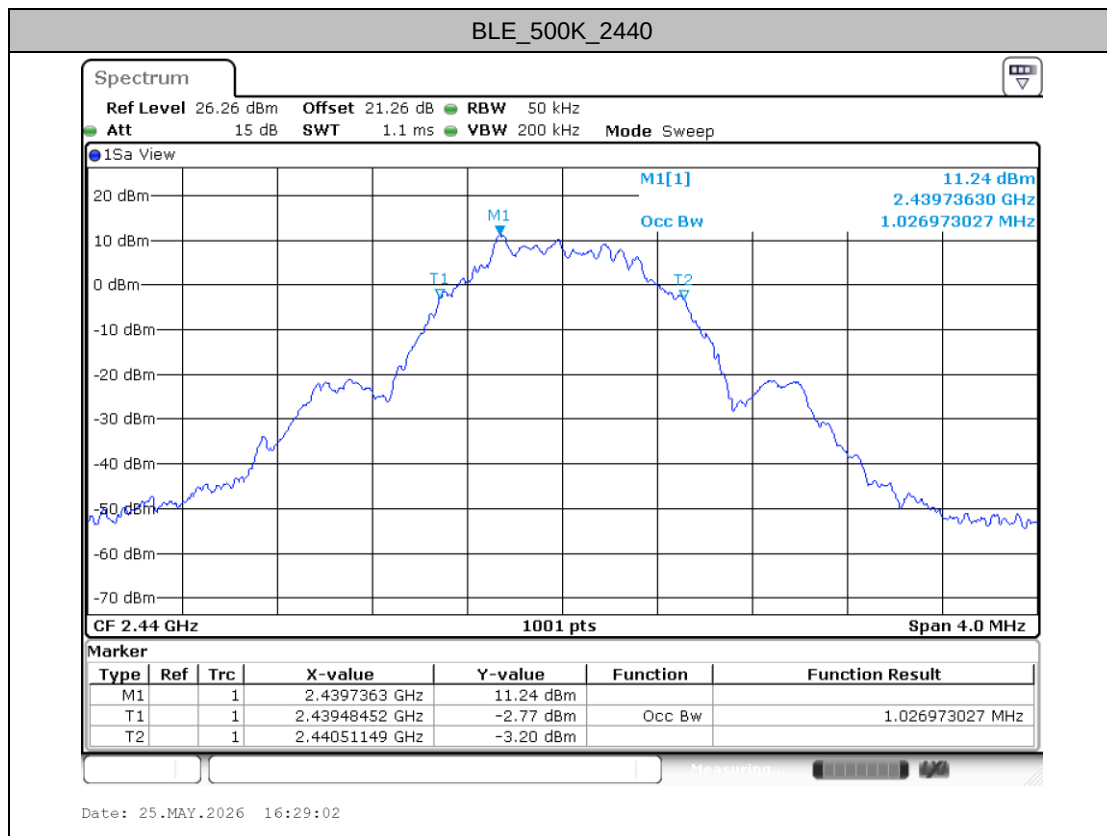












Maximum conducted output power

Test Result Peak

TestMode	Antenna	CH.	Peak Conducted Power (dBm)	Conducted Power Limit	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit	Pass/Fail	Power Setting
BLE1M	Ant 2	0	13.45	30.00	4.6	18.05	36.00	Pass	14
		19	11.98	30.00	4.6	16.58	36.00	Pass	11
		39	10.82	30.00	4.6	15.42	36.00	Pass	10
BLE2M	Ant 2	0	13.48	30.00	4.6	18.08	36.00	Pass	14
		19	12.98	30.00	4.6	17.58	36.00	Pass	12
		39	13.83	30.00	4.6	18.43	36.00	Pass	14
BLE125K	Ant 2	0	12.54	30.00	4.6	17.14	36.00	Pass	14
		19	12.54	30.00	4.6	17.14	36.00	Pass	14
		39	12.48	30.00	4.6	17.08	36.00	Pass	14
BLE500K	Ant 2	0	12.54	30.00	4.6	17.14	36.00	Pass	14
		19	12.56	30.00	4.6	17.16	36.00	Pass	14
		39	12.46	30.00	4.6	17.06	36.00	Pass	14

Test Result Average

TestMode	Antenna	CH.	Average Conducted Power (dBm)	Power Setting
BLE1M	Ant 2	0	13.43	14
		19	11.77	11
		39	10.79	10
BLE2M	Ant 2	0	13.47	14
		19	12.88	12
		39	13.74	14
BLE125K	Ant 2	0	12.51	14
		19	12.52	14
		39	12.45	14
BLE500K	Ant 2	0	12.50	14
		19	12.52	14
		39	12.39	14



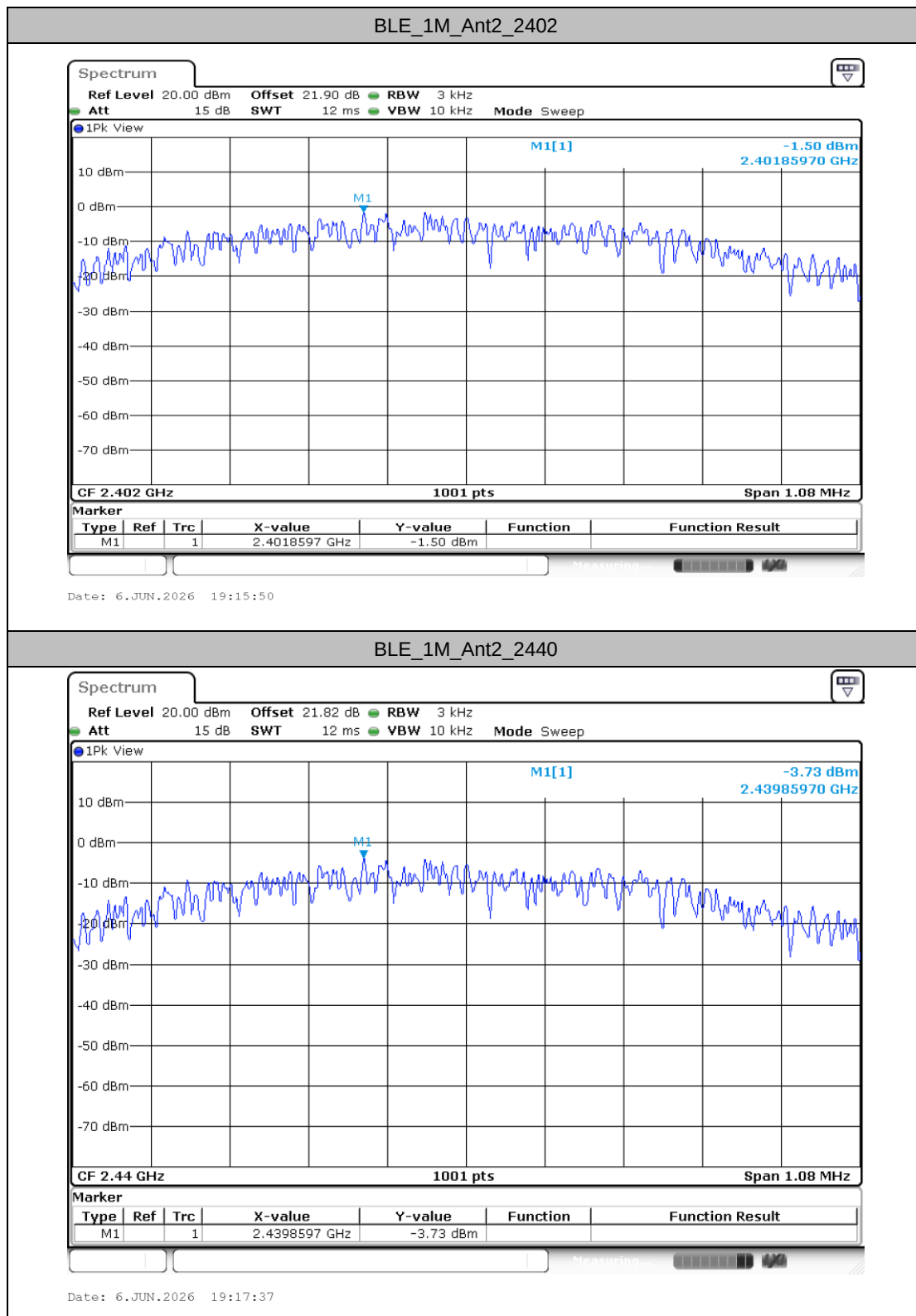
Maximum power spectral density

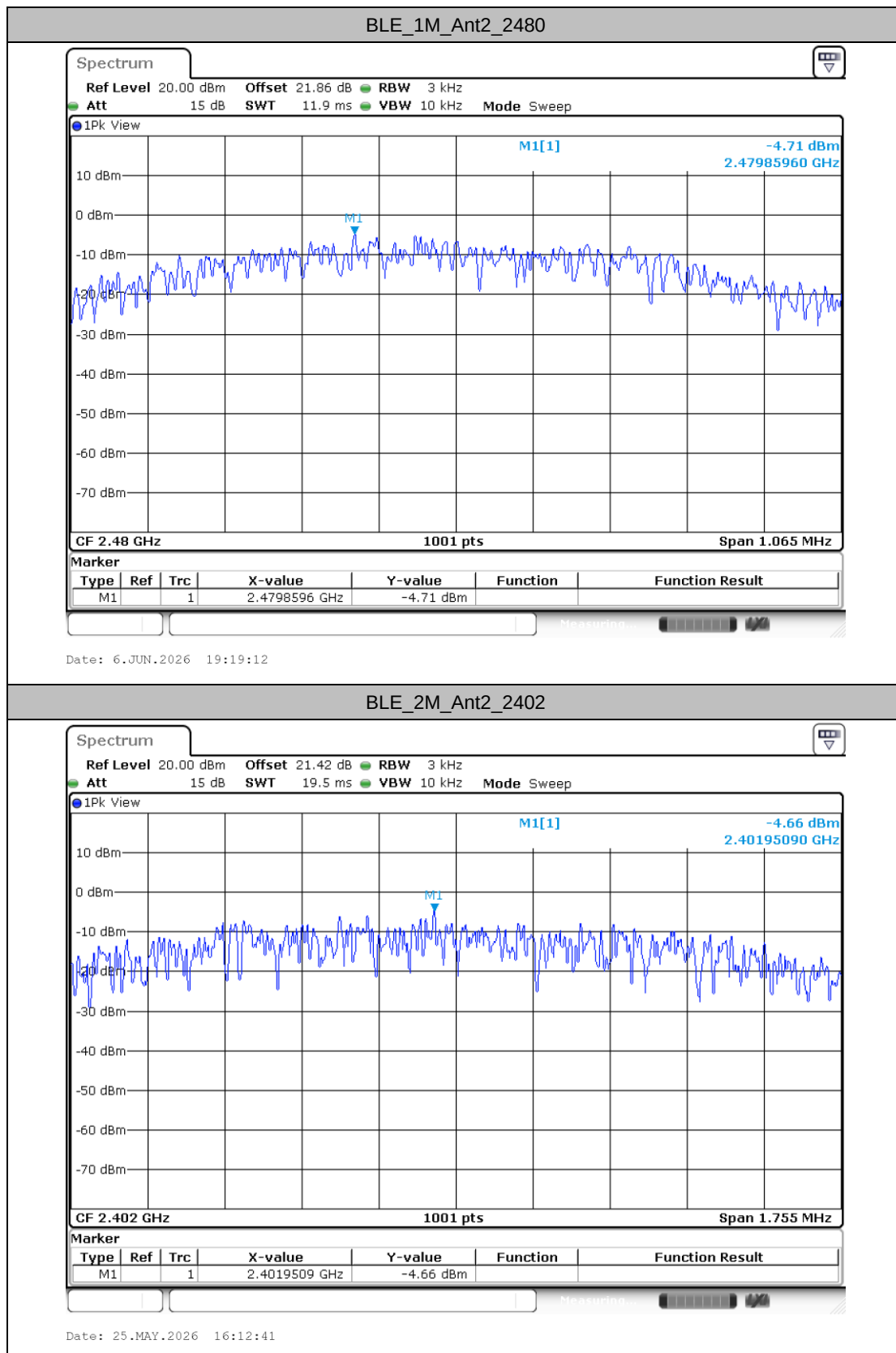
Test Result

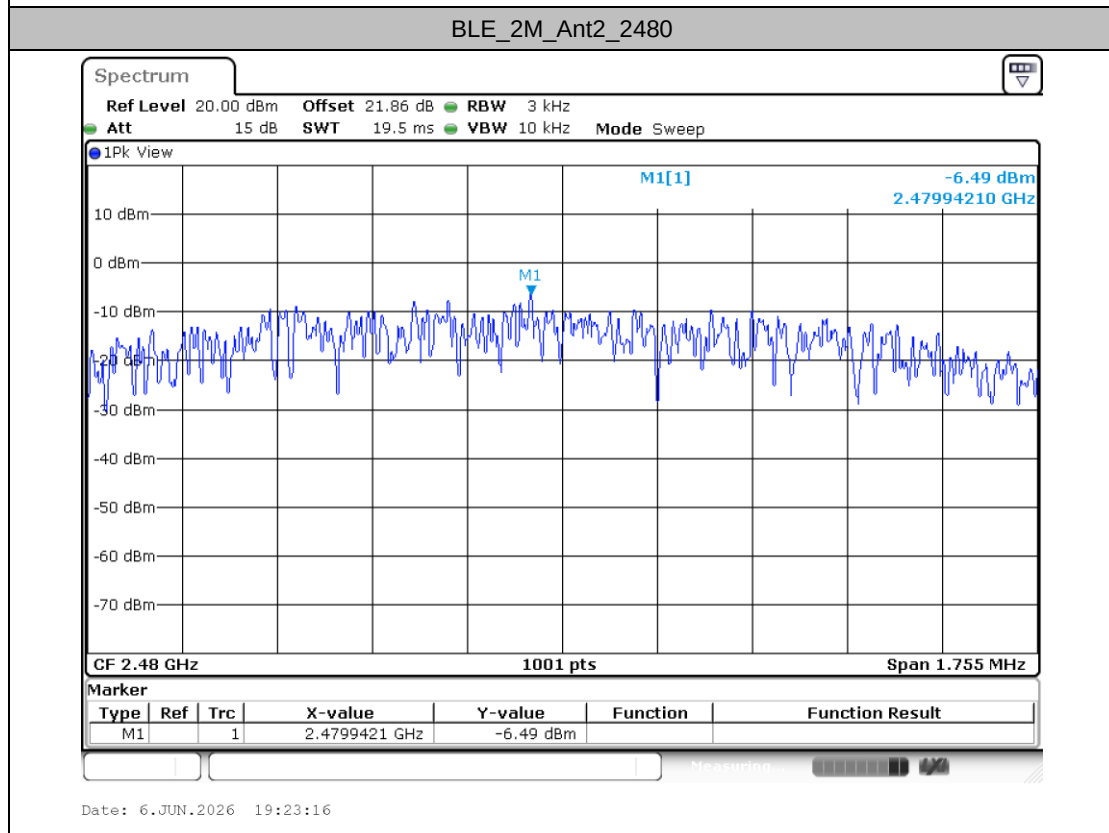
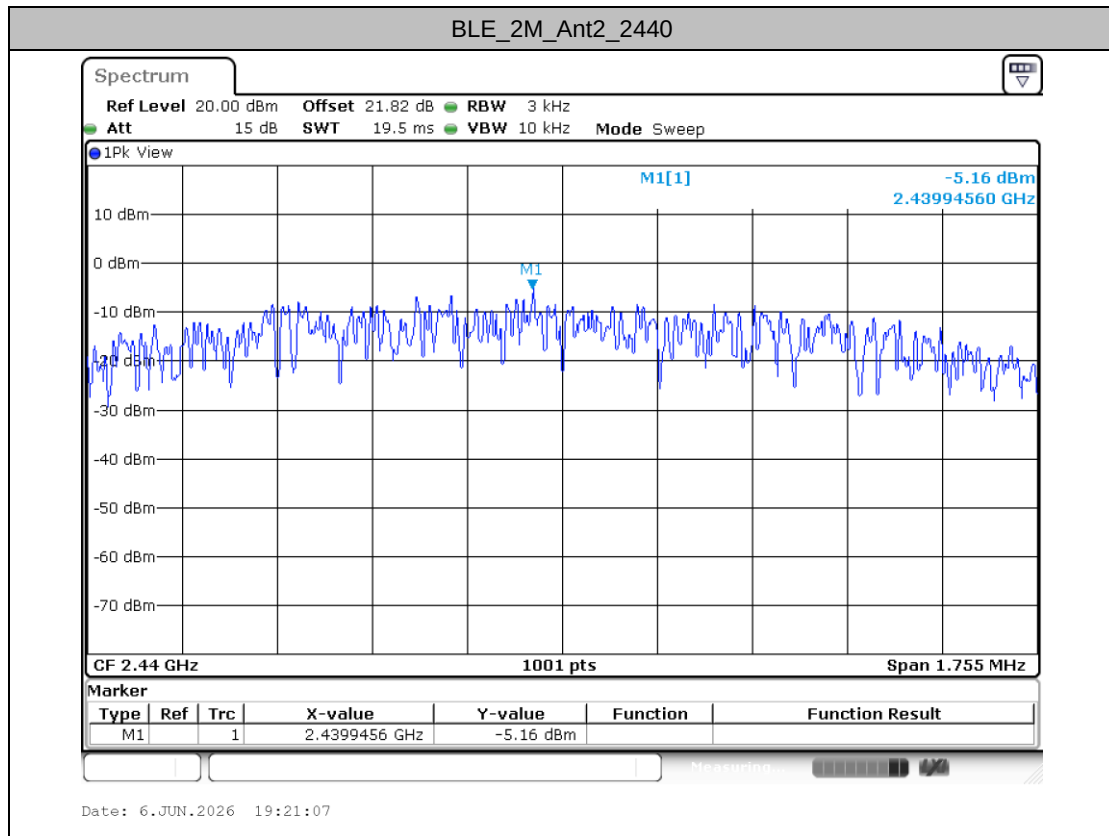
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant2	2402	-1.5	≤8.00	PASS
		2440	-3.73	≤8.00	PASS
		2480	-4.71	≤8.00	PASS
BLE_2M	Ant2	2402	-4.66	≤8.00	PASS
		2440	-5.16	≤8.00	PASS
		2480	-6.49	≤8.00	PASS
BLE_125K	Ant2	2402	6.46	≤8.00	PASS
		2440	6.65	≤8.00	PASS
		2480	6.68	≤8.00	PASS
BLE_500K	Ant2	2402	6.23	≤8.00	PASS
		2440	6.22	≤8.00	PASS
		2480	6.22	≤8.00	PASS

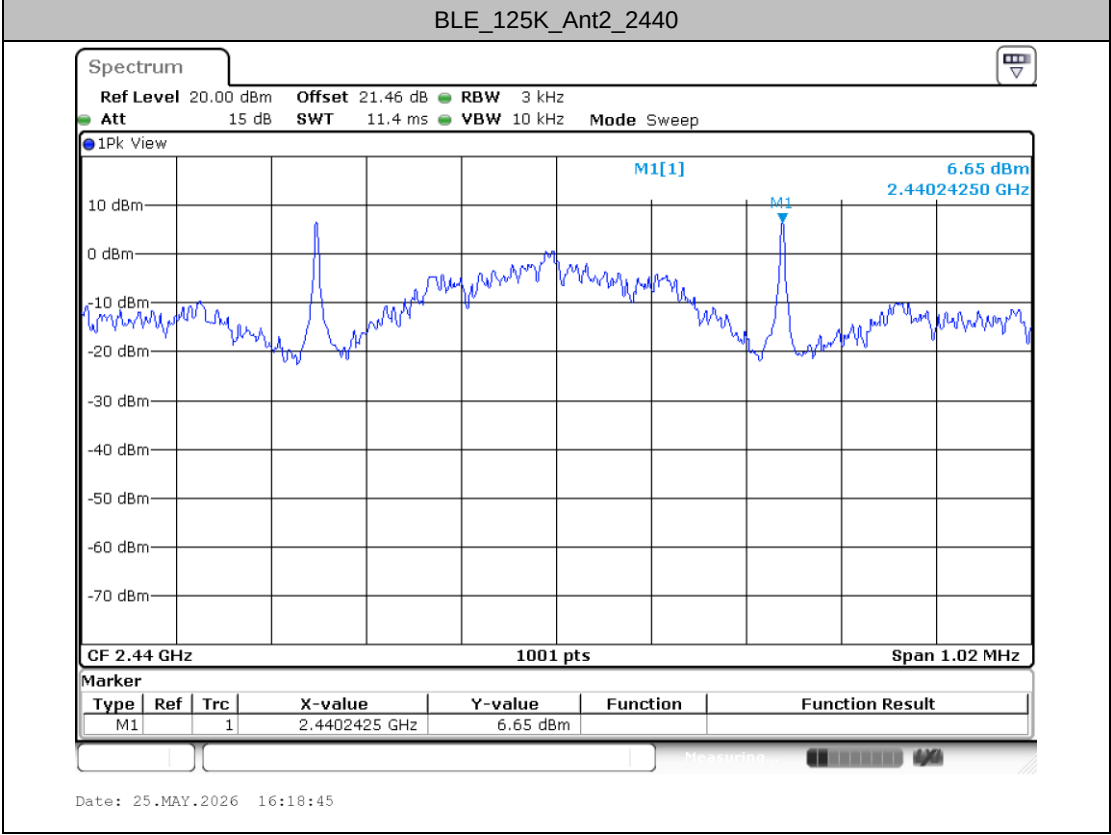
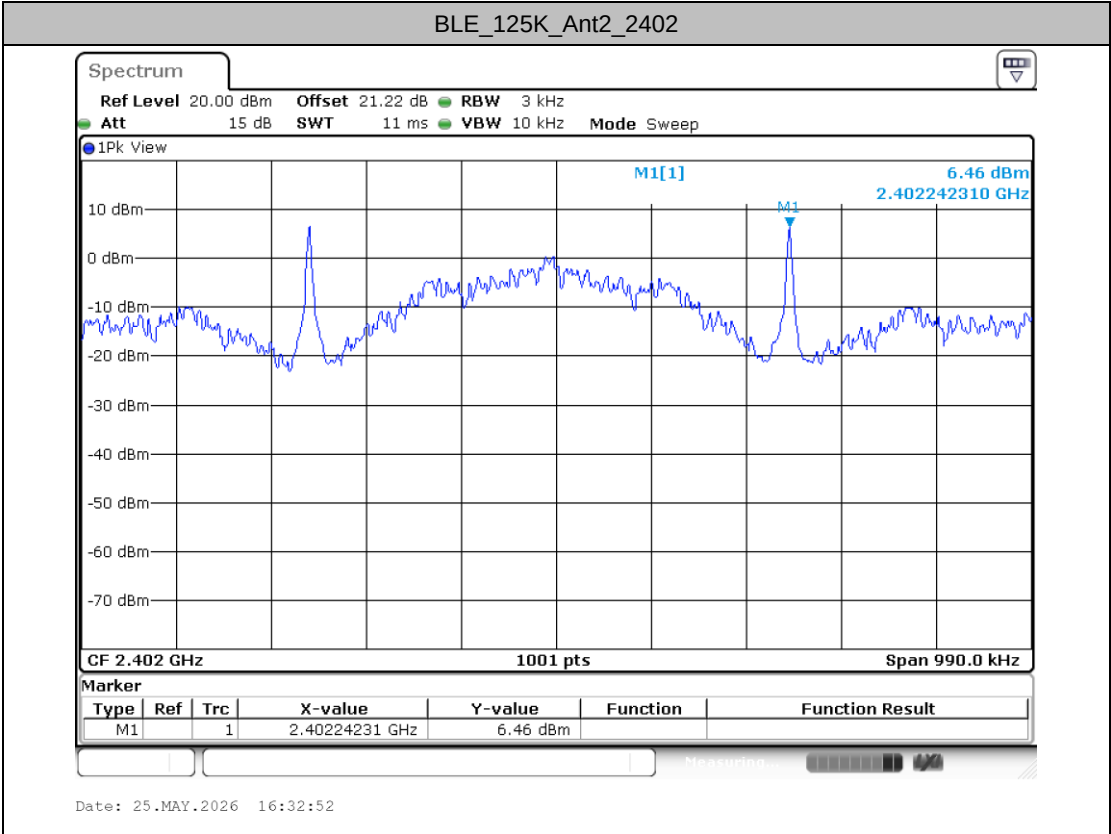


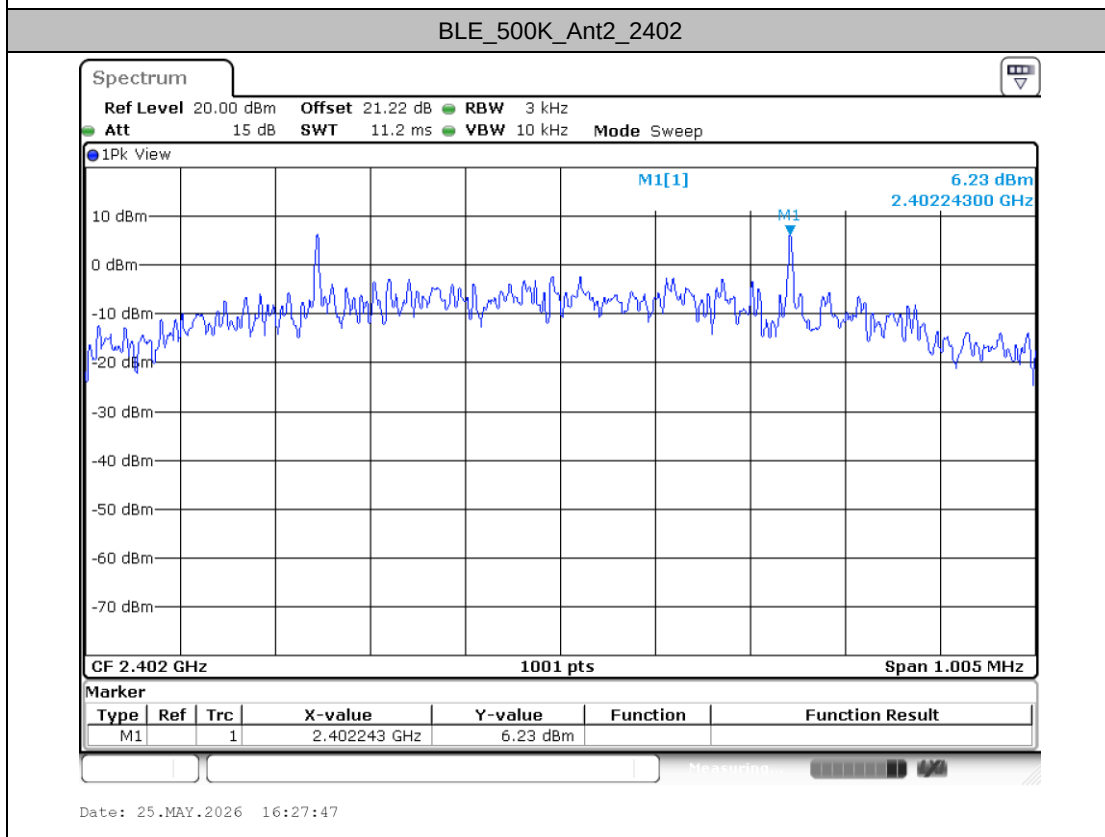
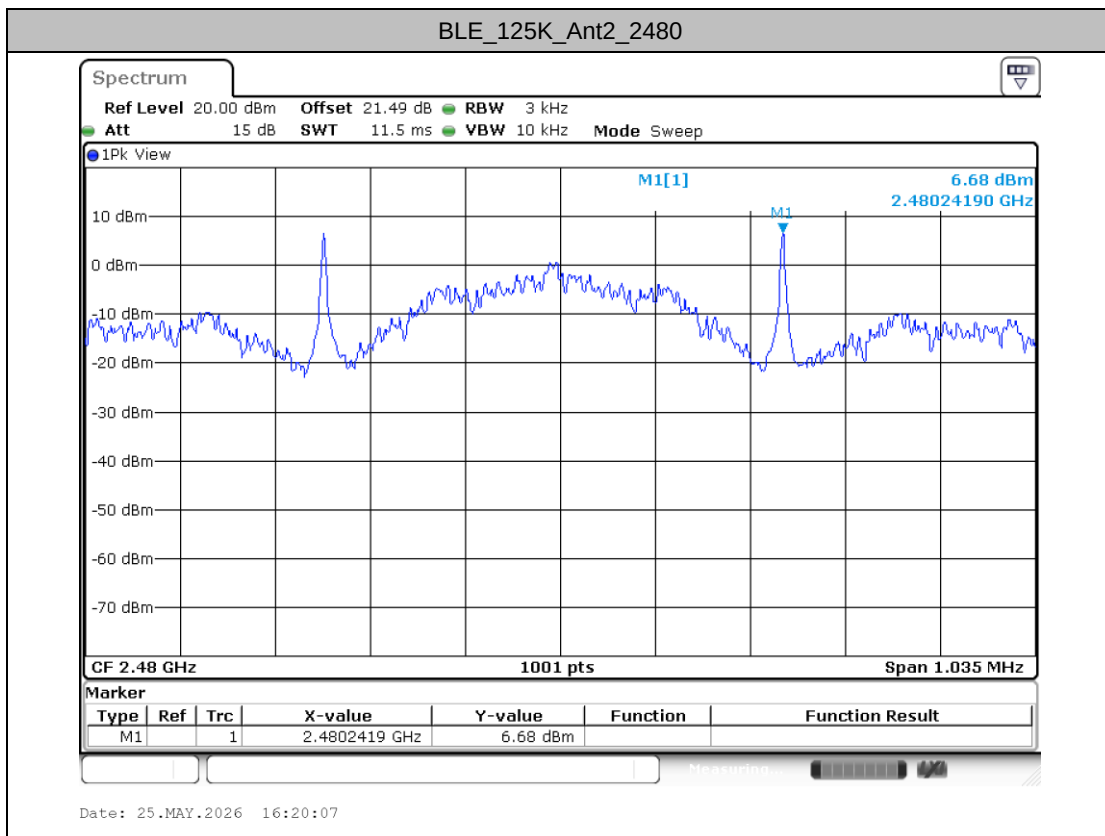
Test Graphs

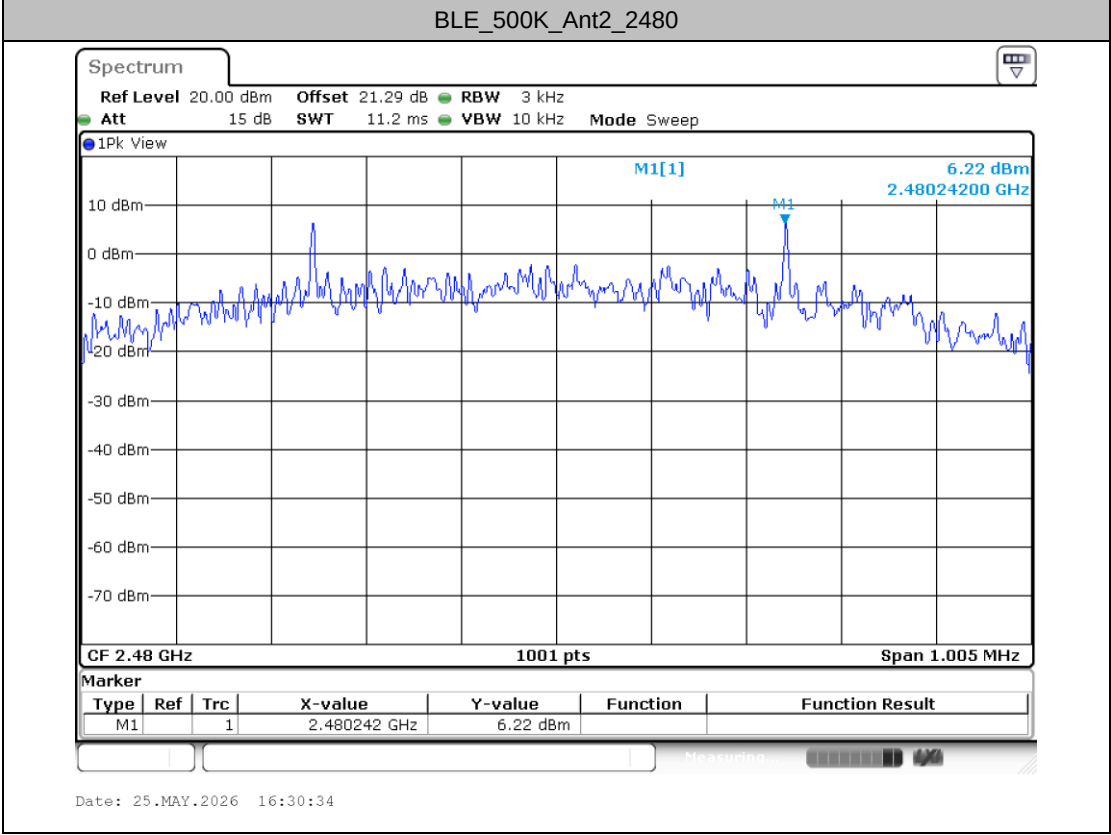
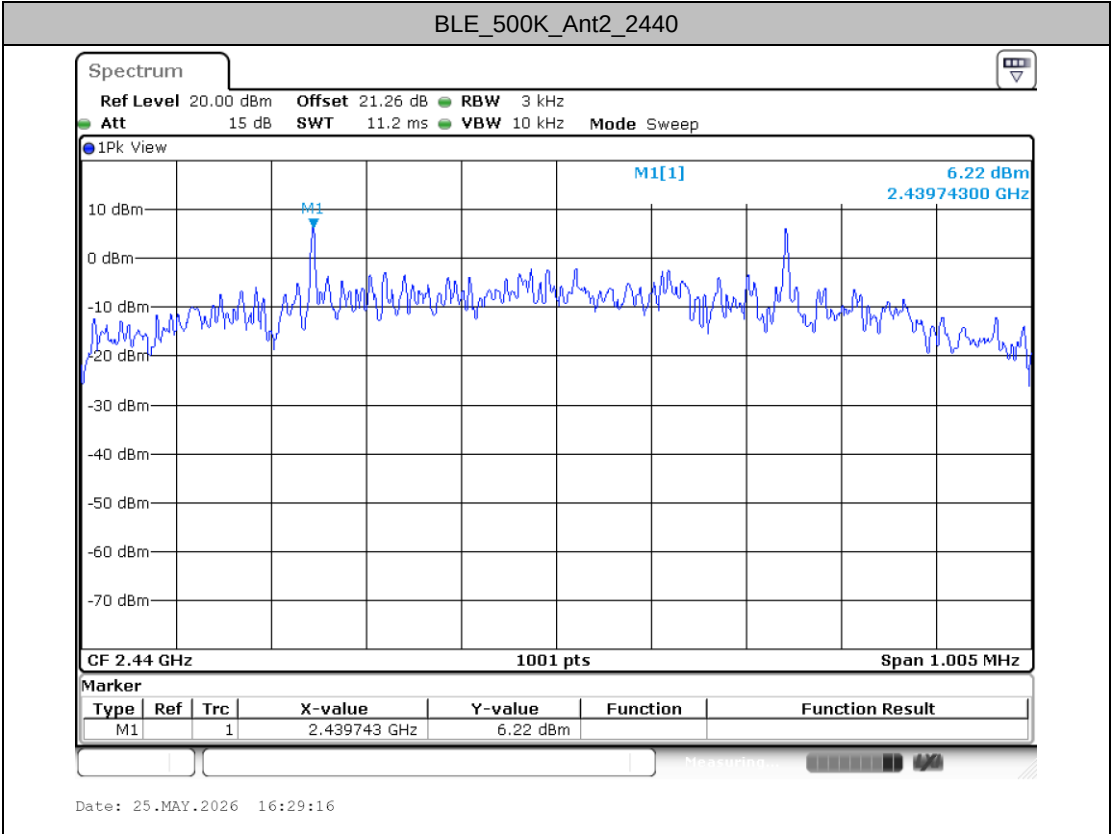














Reference level measurement

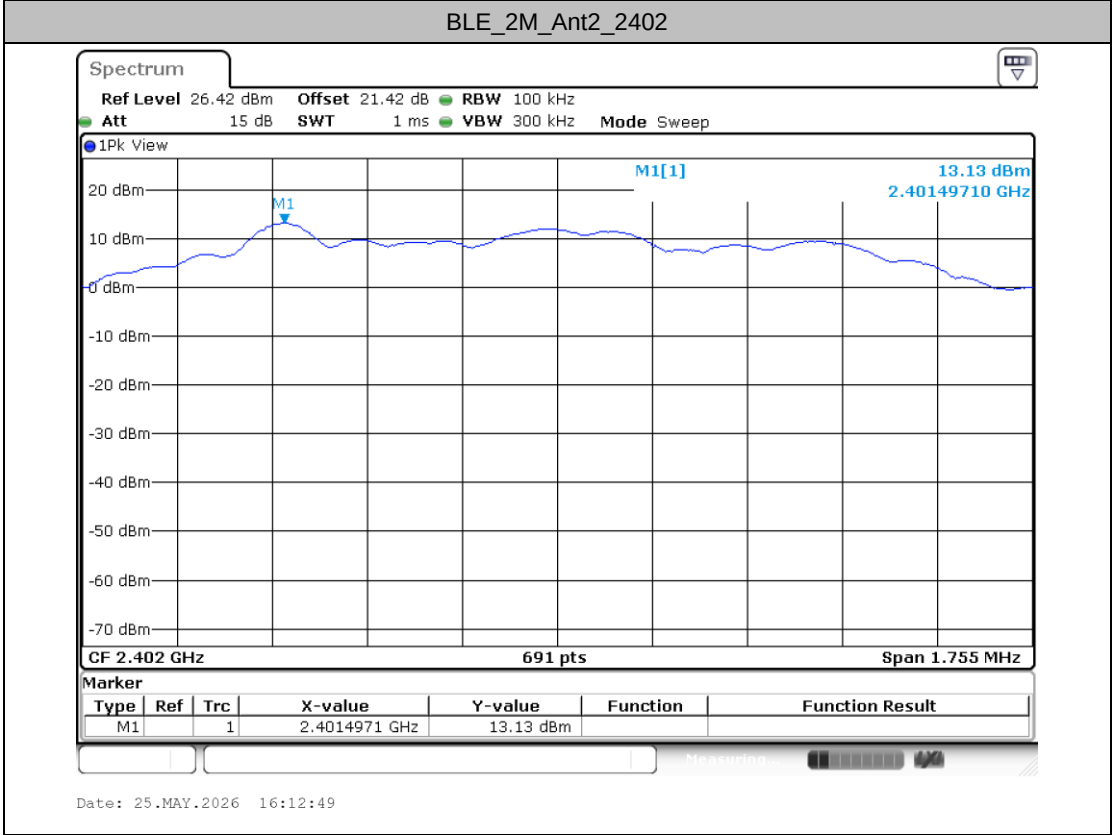
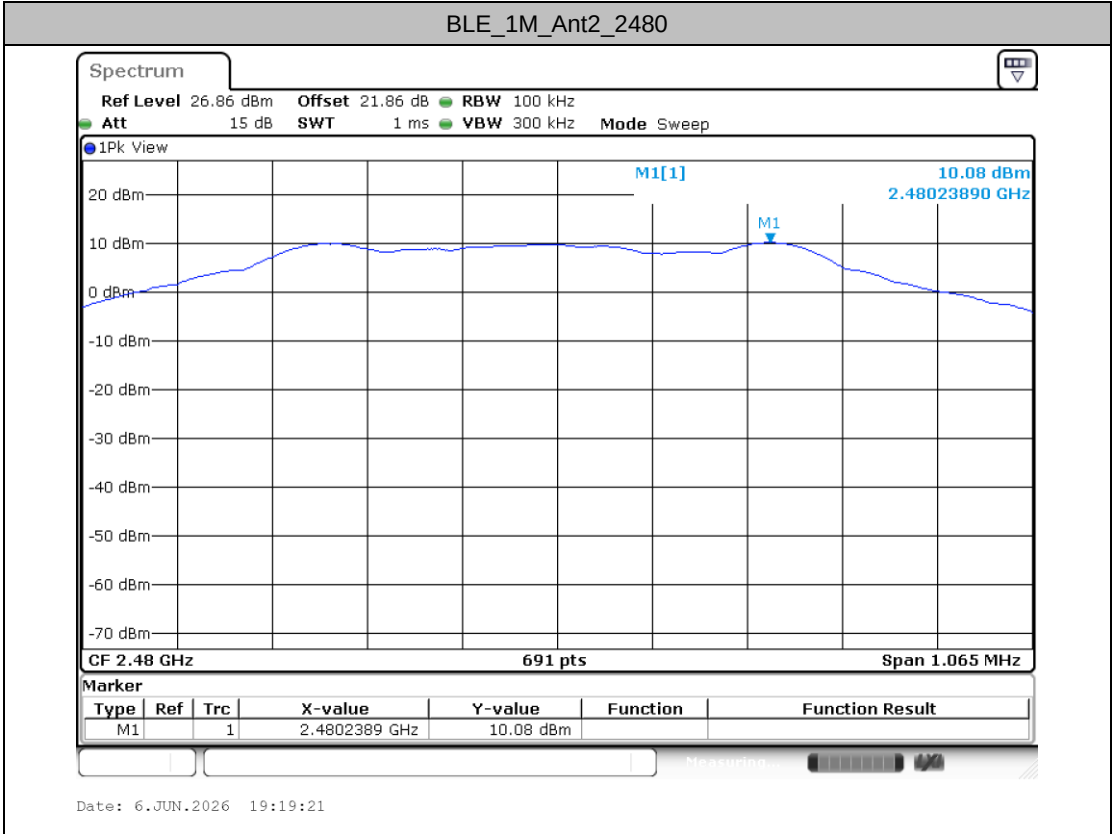
Test Result

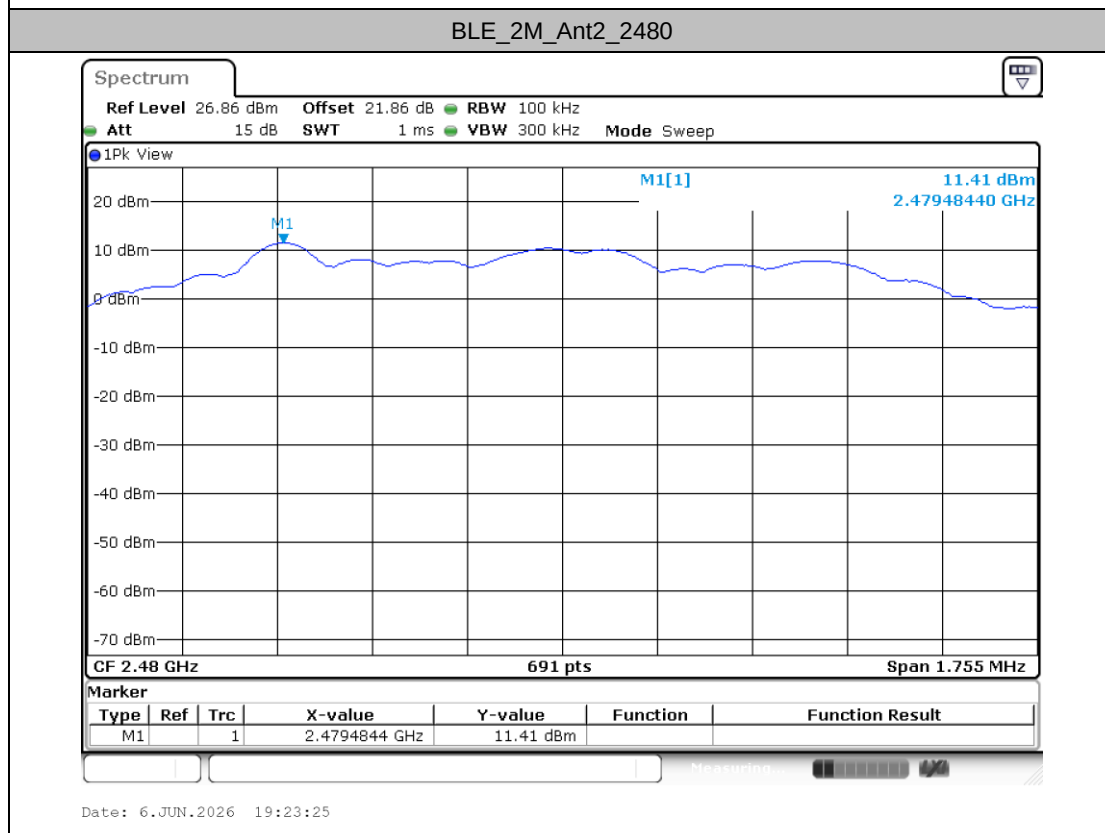
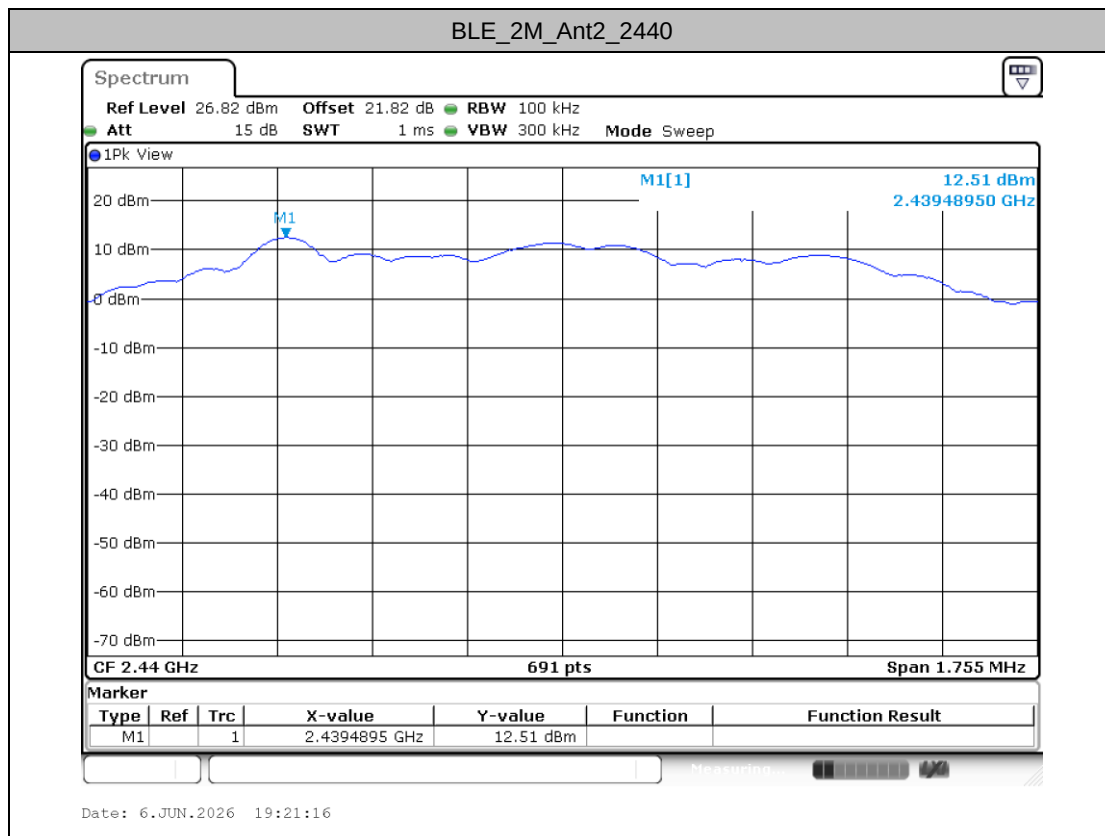
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm/100KHz]
BLE_1M	Ant2	2402	2402.24	13.34
		2440	2440.24	11.12
		2480	2480.24	10.08
BLE_2M	Ant2	2402	2401.50	13.13
		2440	2439.49	12.51
		2480	2479.48	11.41
BLE_125K	Ant2	2402	2402.01	10.19
		2440	2440.01	9.90
		2480	2480.00	9.95
BLE_500K	Ant2	2402	2401.74	12.41
		2440	2439.74	12.38
		2480	2479.74	12.41

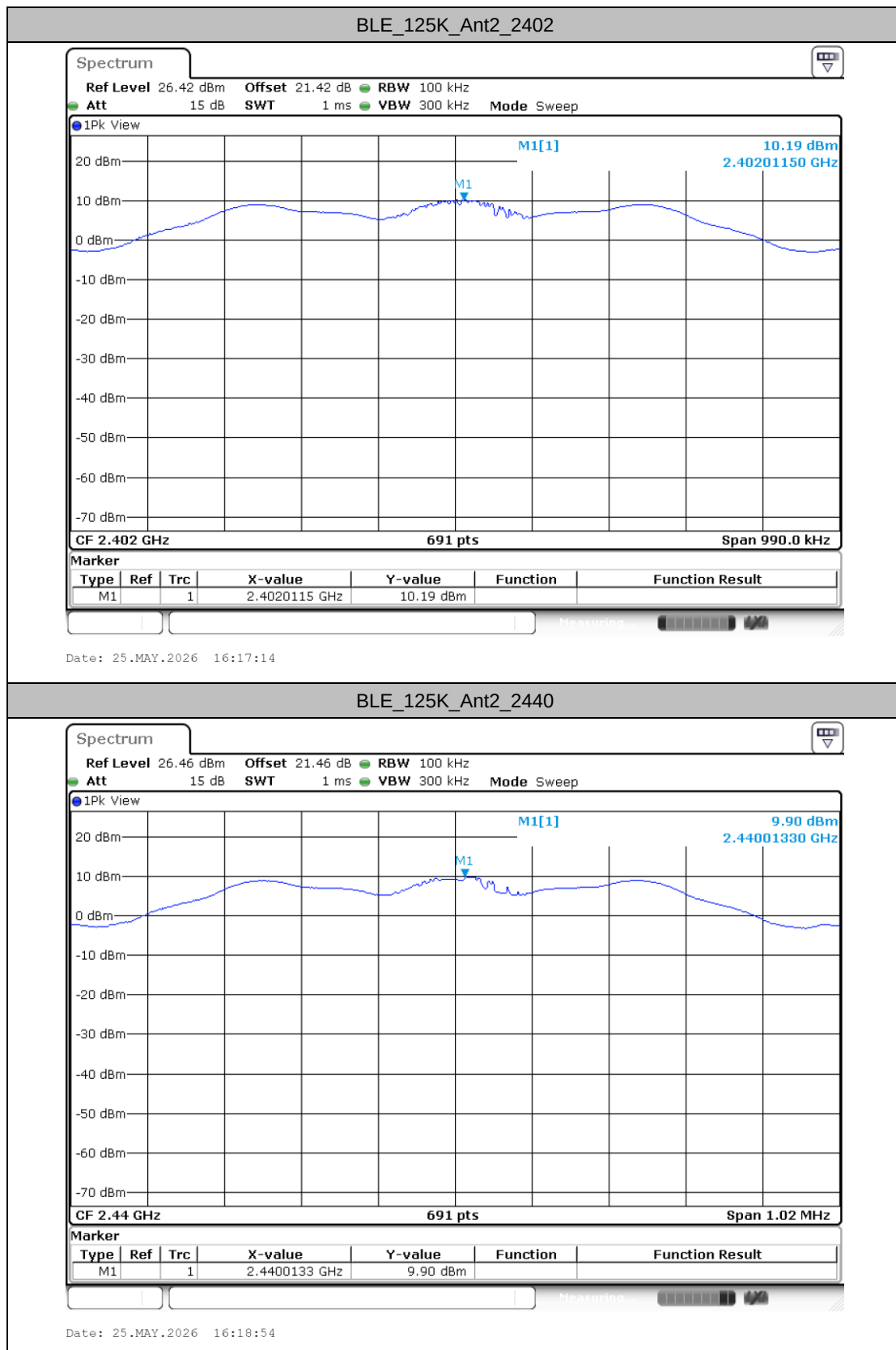


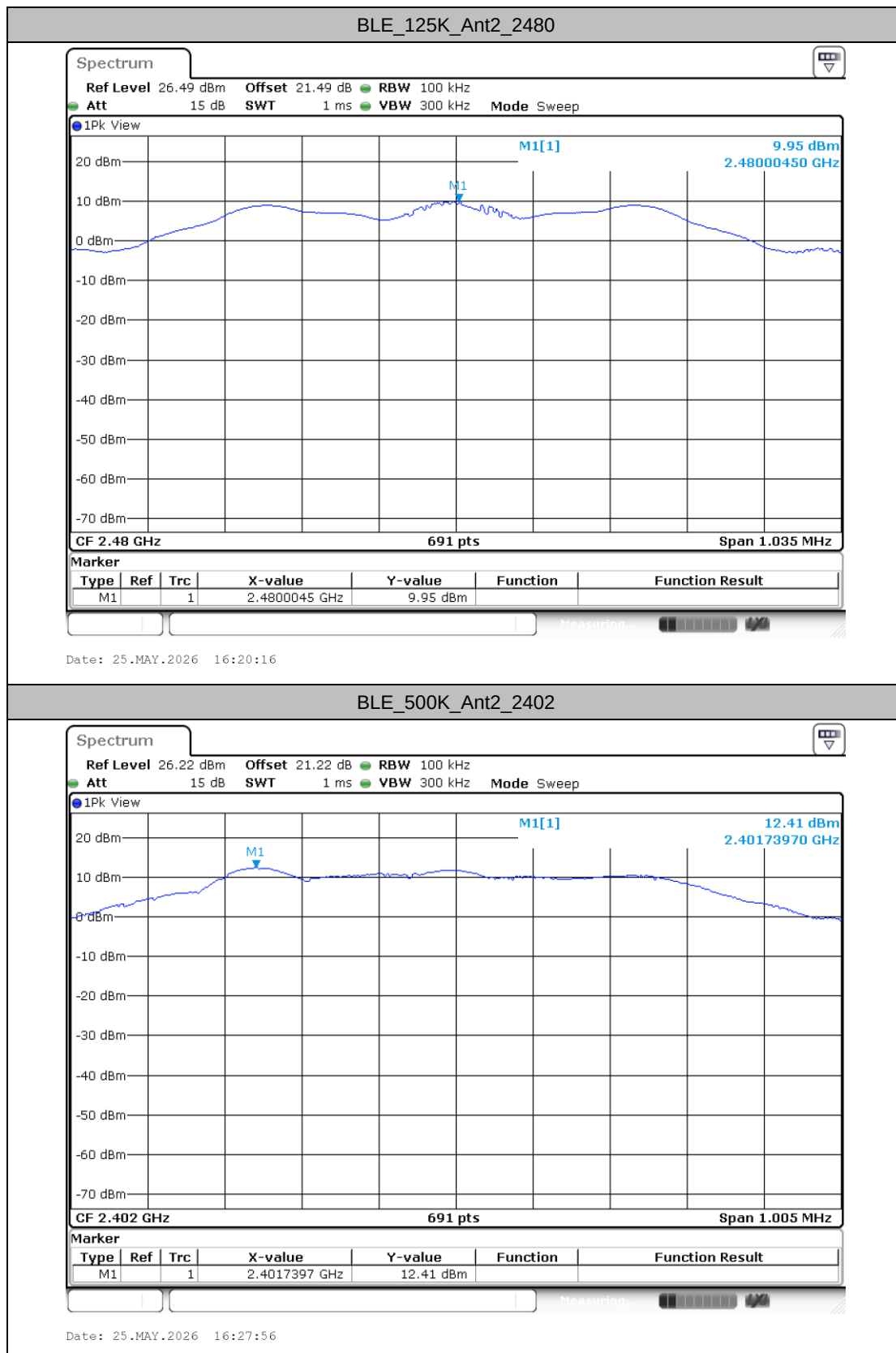
Test Graphs

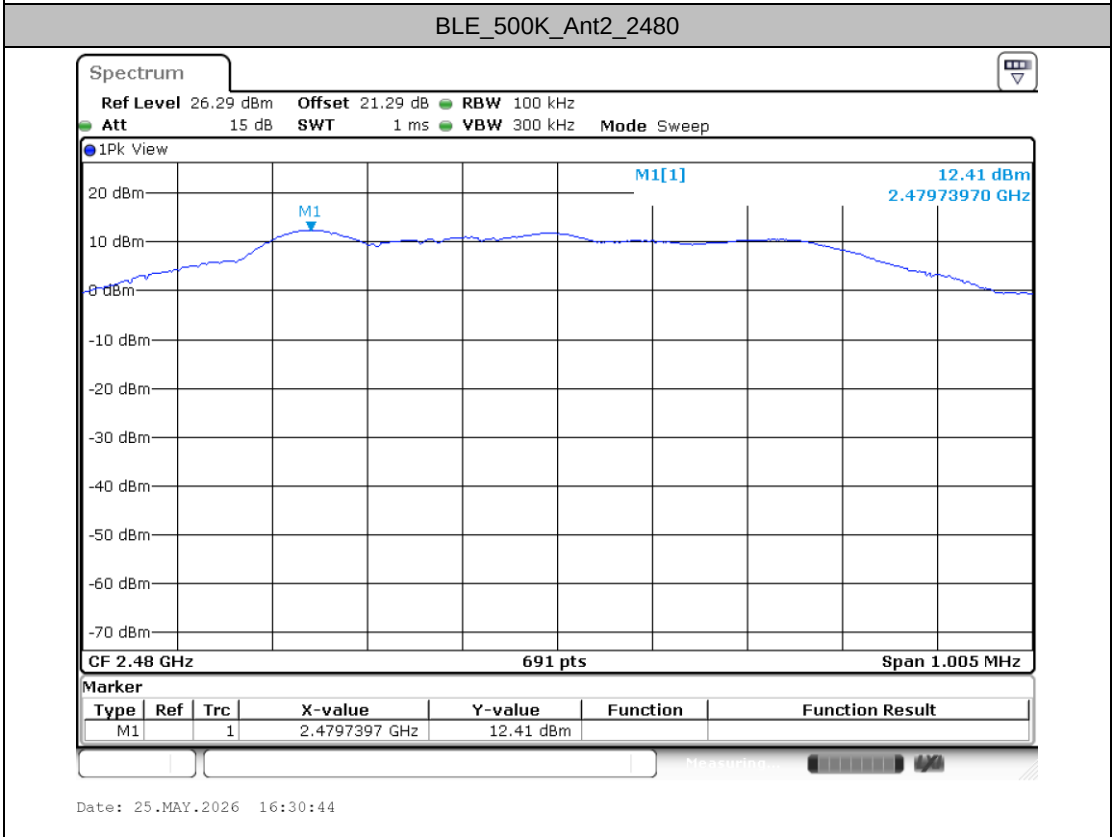
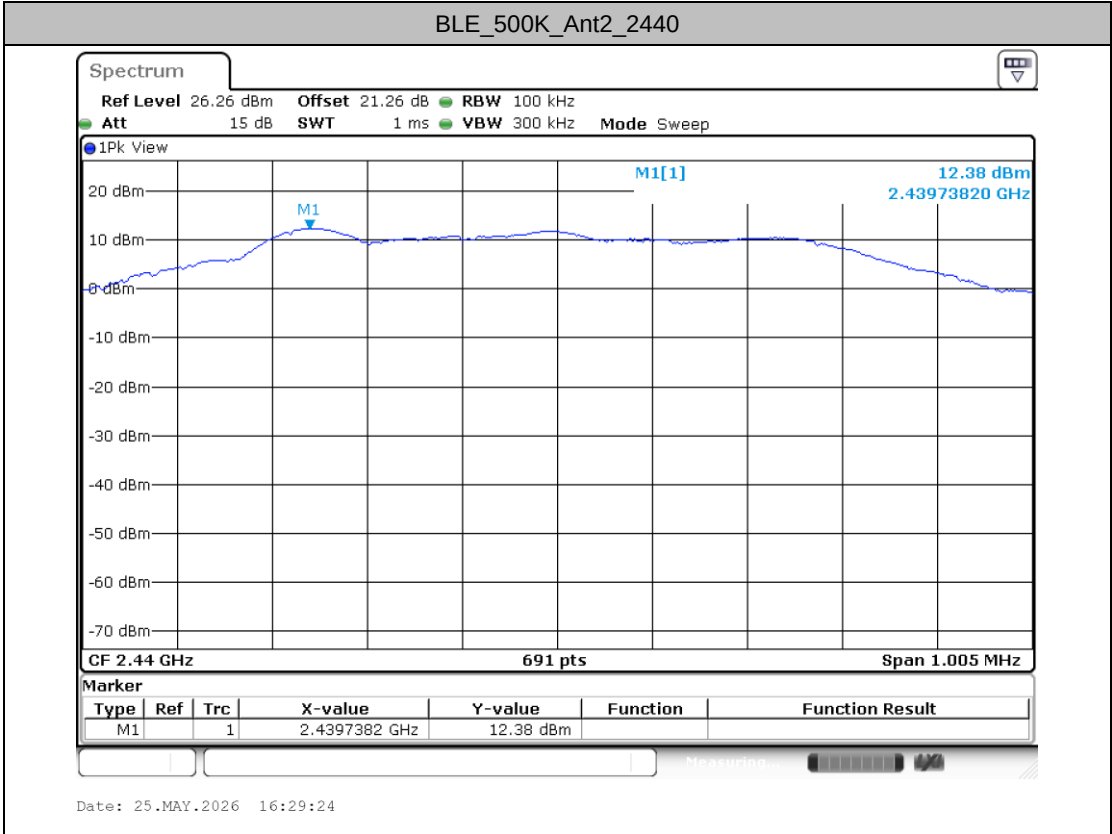














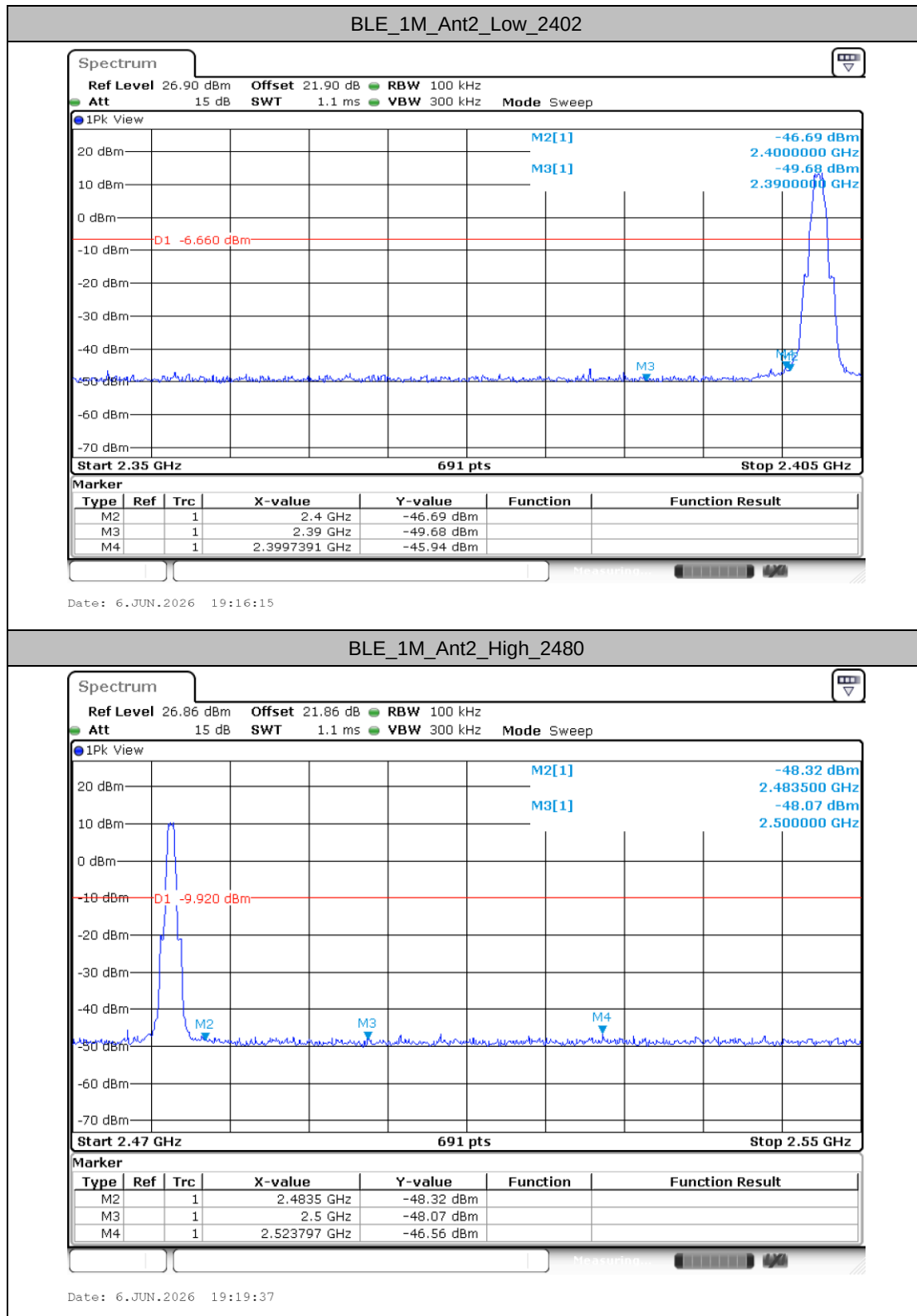
Band edge measurements

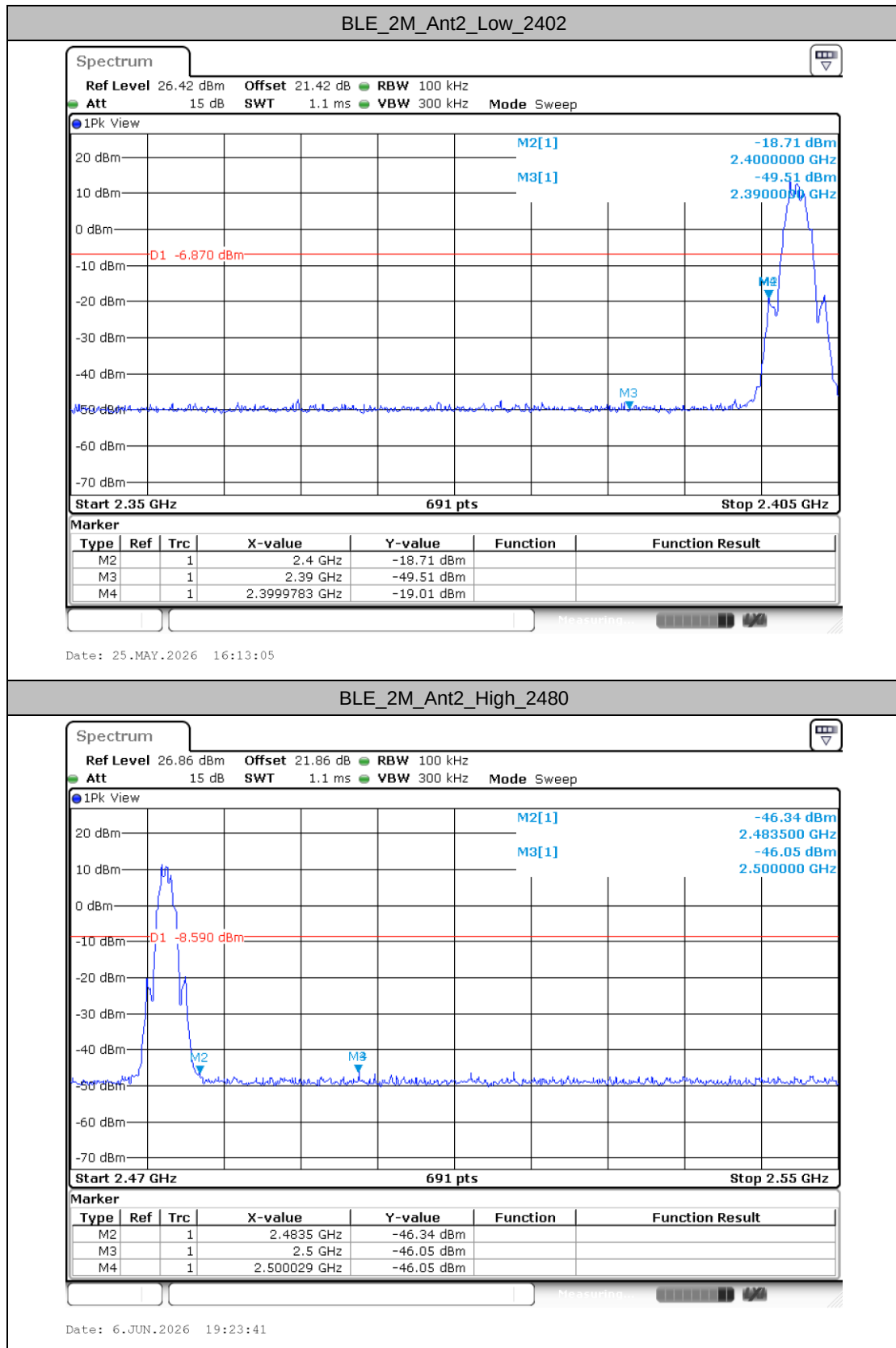
Test Result

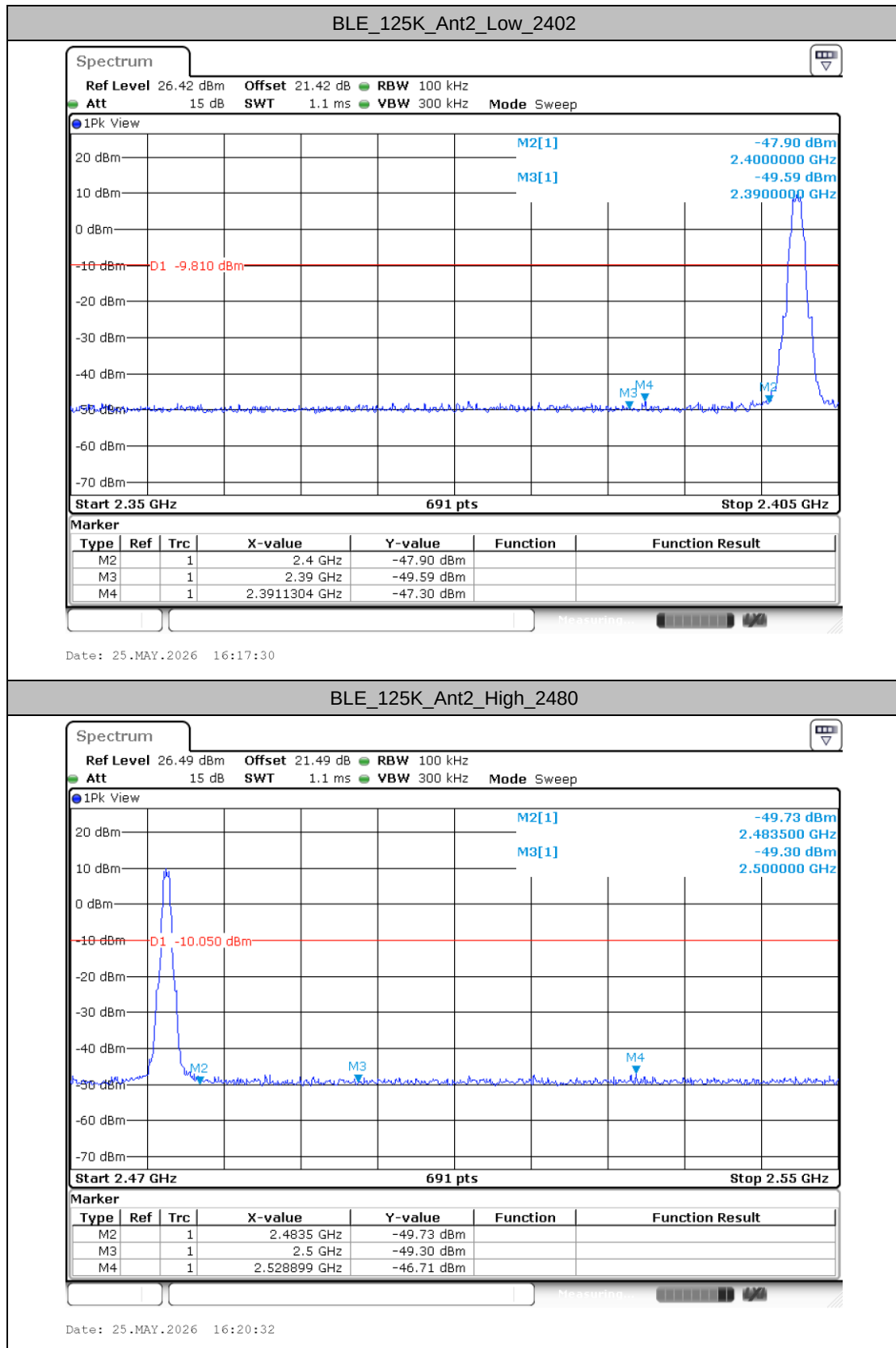
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm/100KHz]	Result [dBm/100KHz]	Limit [dBm/100KHz]	Verdict
BLE_1M	Ant2	Low	2402	13.34	-45.94	≤-6.66	PASS
		High	2480	10.08	-46.56	≤-9.92	PASS
BLE_2M	Ant2	Low	2402	13.13	-19.01	≤-6.87	PASS
		High	2480	11.41	-46.05	≤-8.59	PASS
BLE_125K	Ant2	Low	2402	10.19	-47.3	≤-9.81	PASS
		High	2480	9.95	-46.71	≤-10.05	PASS
BLE_500K	Ant2	Low	2402	12.41	-46.62	≤-7.59	PASS
		High	2480	12.41	-47.37	≤-7.59	PASS

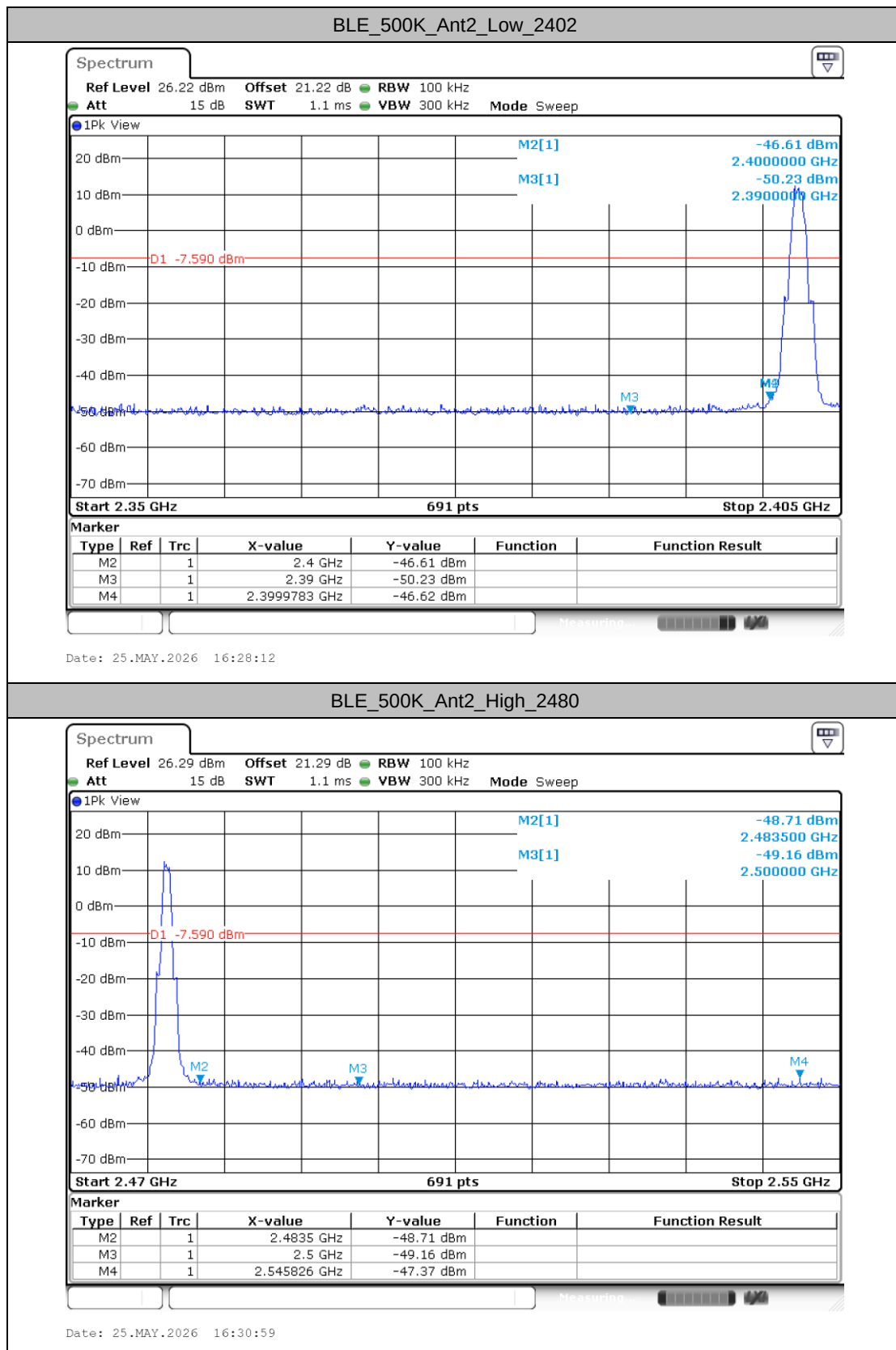


Test Graphs











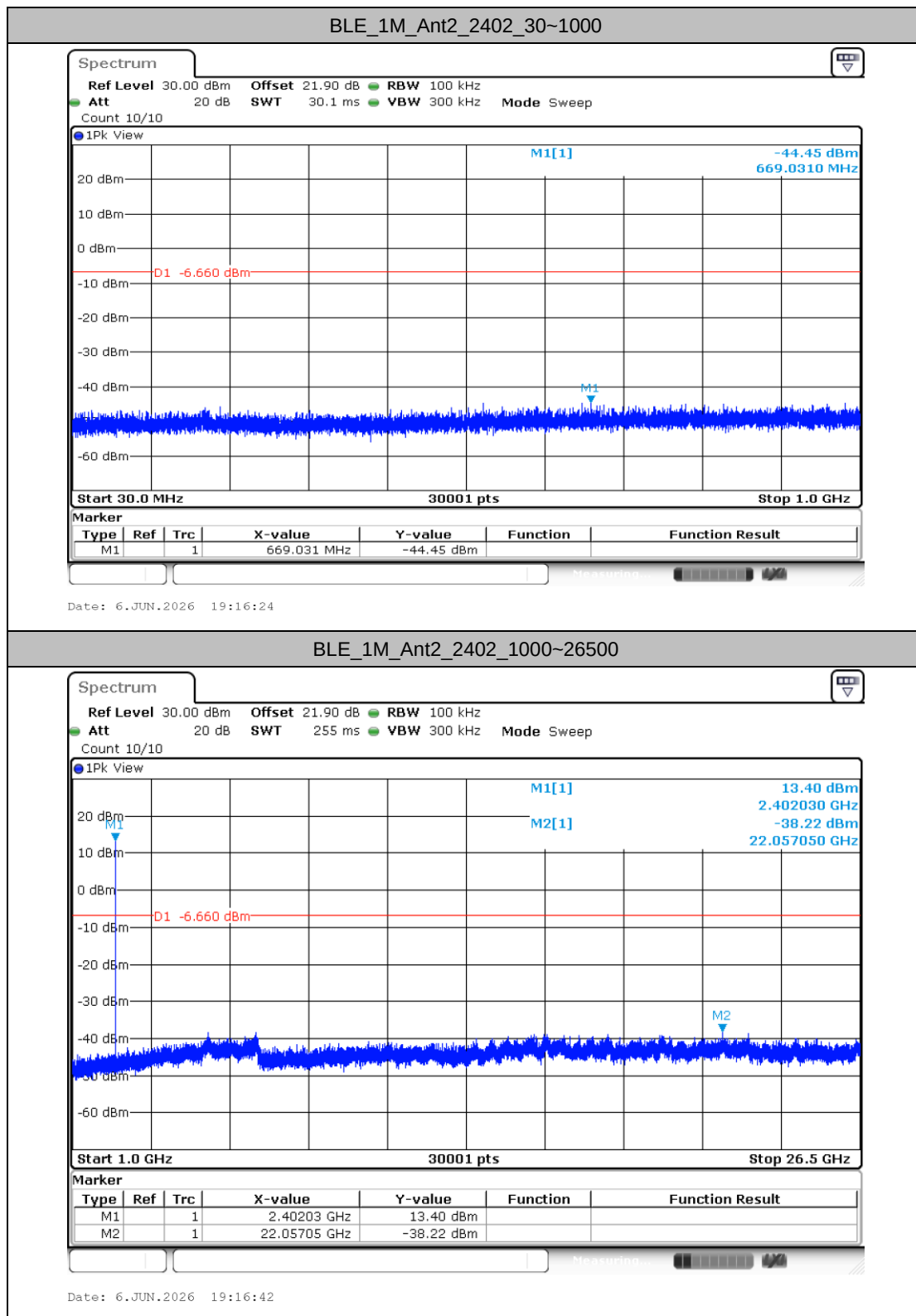
Conducted Spurious Emission

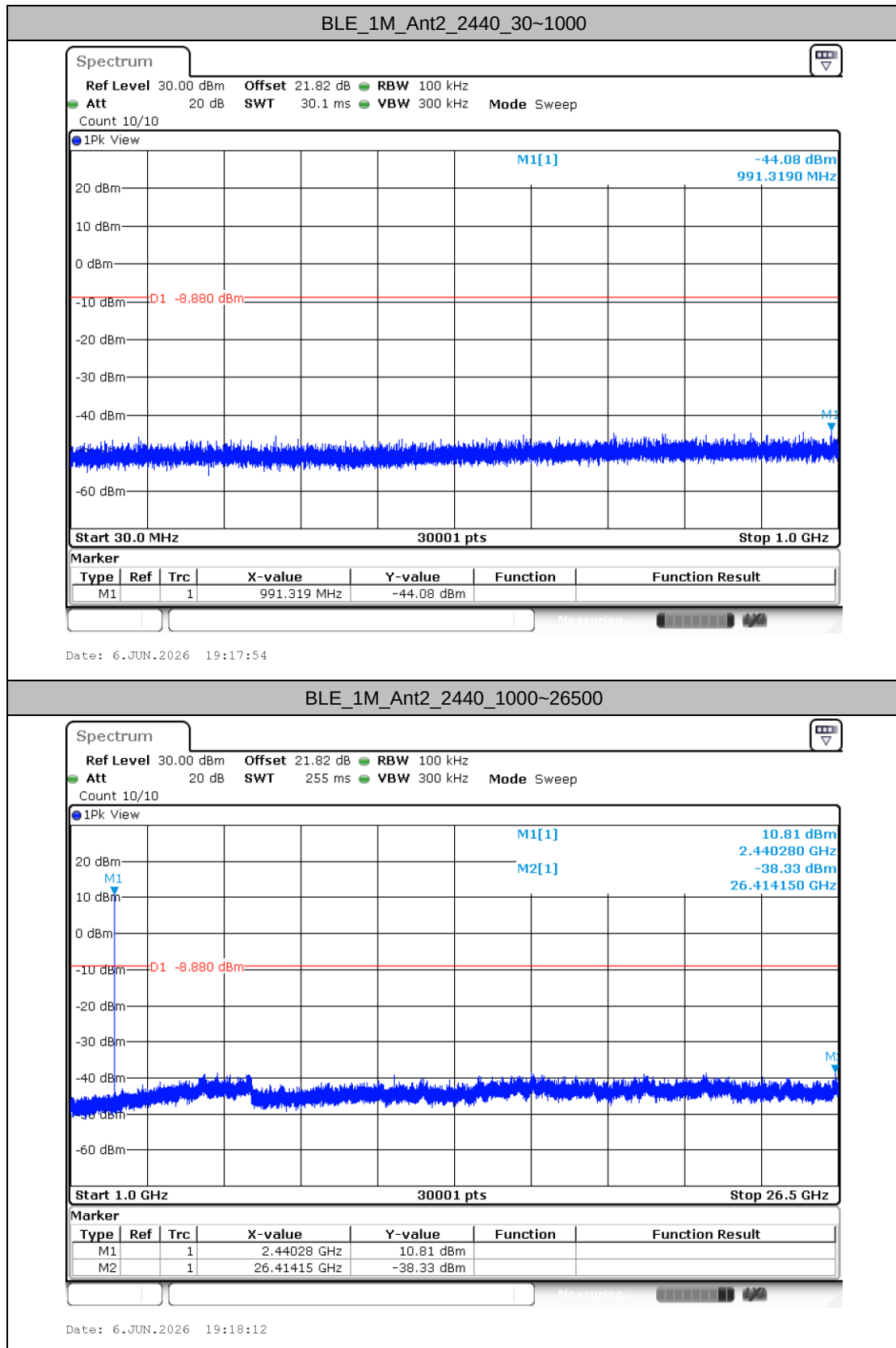
Test Result

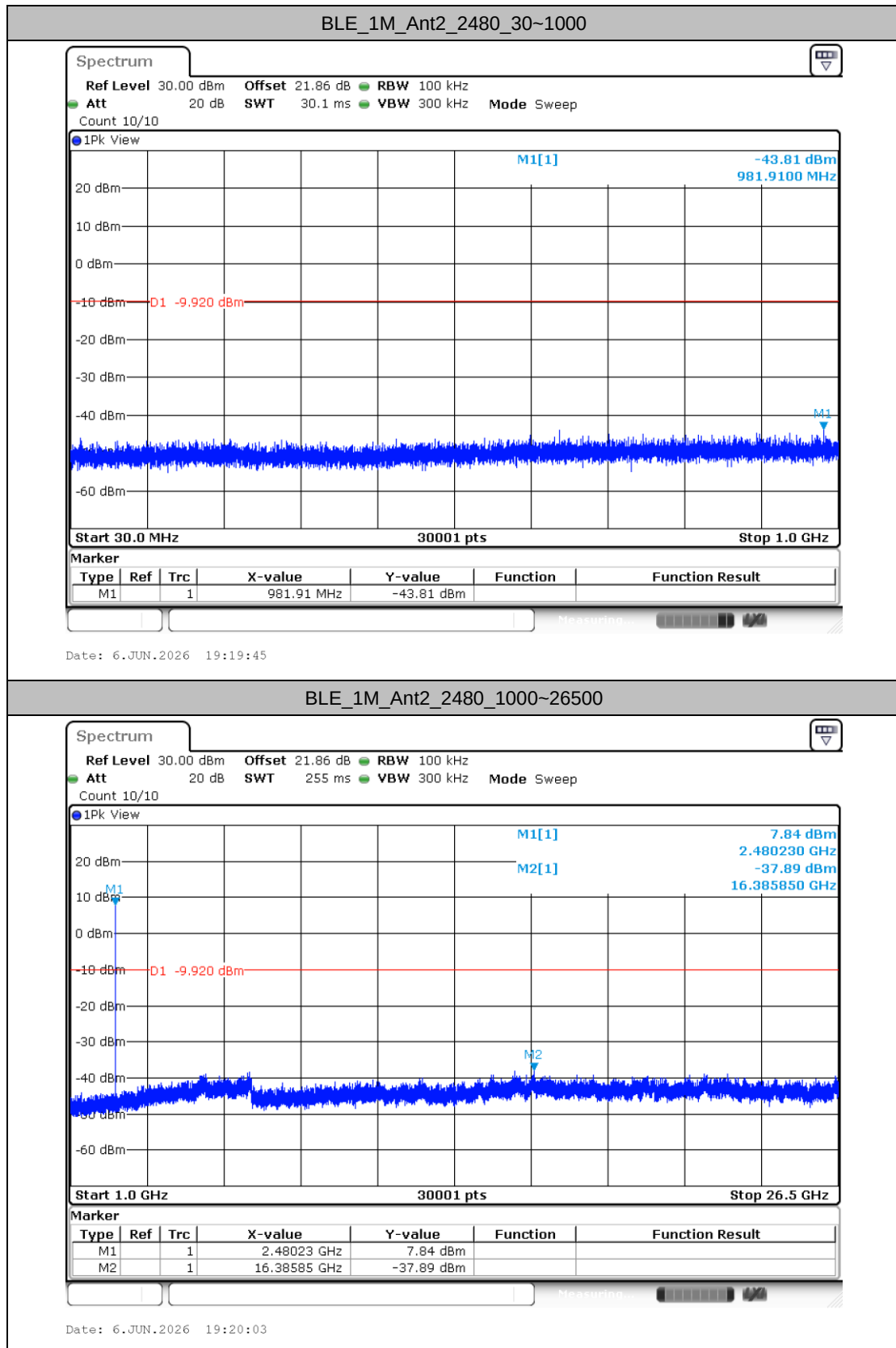
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm/100KHz]	Result [dBm/100KHz]	Limit [dBm/100KHz]	Verdict
BLE_1M	Ant2	2402	30~1000	13.34	-44.45	≤-6.66	PASS
			1000~26500	13.34	-38.22	≤-6.66	PASS
		2440	30~1000	11.12	-44.08	≤-8.88	PASS
			1000~26500	11.12	-38.33	≤-8.88	PASS
		2480	30~1000	10.08	-43.81	≤-9.92	PASS
			1000~26500	10.08	-37.89	≤-9.92	PASS
BLE_2M	Ant2	2402	30~1000	13.13	-45.32	≤-6.87	PASS
			1000~26500	13.13	-38.96	≤-6.87	PASS
		2440	30~1000	12.51	-44.39	≤-7.49	PASS
			1000~26500	12.51	-38.42	≤-7.49	PASS
		2480	30~1000	11.41	-43.83	≤-8.59	PASS
			1000~26500	11.41	-37.83	≤-8.59	PASS
BLE_125K	Ant2	2402	30~1000	10.19	-44.3	≤-9.81	PASS
			1000~26500	10.19	-38.78	≤-9.81	PASS
		2440	30~1000	9.90	-44.94	≤-10.1	PASS
			1000~26500	9.90	-37.98	≤-10.1	PASS
		2480	30~1000	9.95	-44.79	≤-10.05	PASS
			1000~26500	9.95	-38.34	≤-10.05	PASS
BLE_500K	Ant2	2402	30~1000	12.41	-45.36	≤-7.59	PASS
			1000~26500	12.41	-38.5	≤-7.59	PASS
		2440	30~1000	12.38	-45.28	≤-7.62	PASS
			1000~26500	12.38	-38.89	≤-7.62	PASS
		2480	30~1000	12.41	-44.86	≤-7.59	PASS
			1000~26500	12.41	-38.51	≤-7.59	PASS

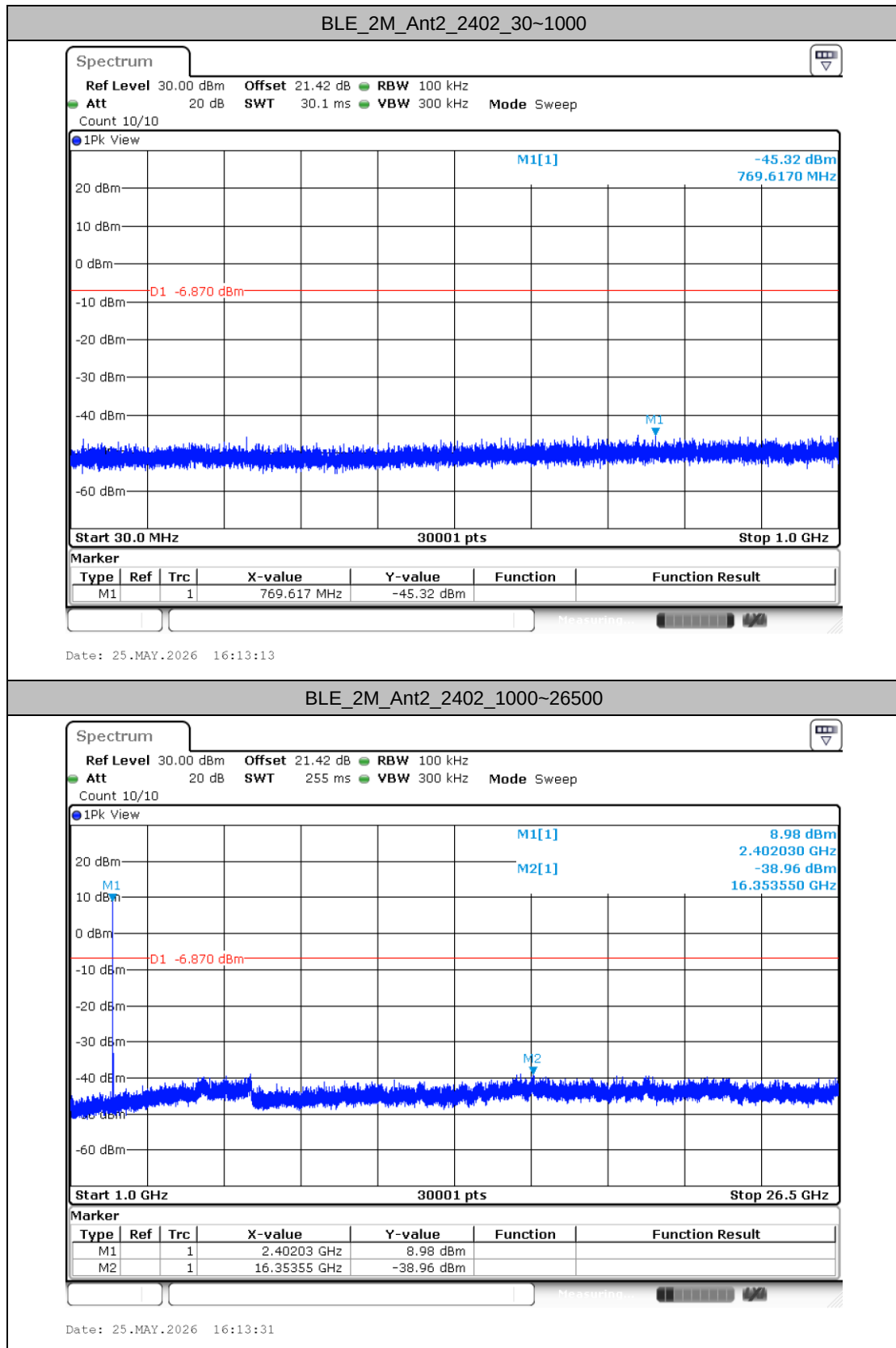


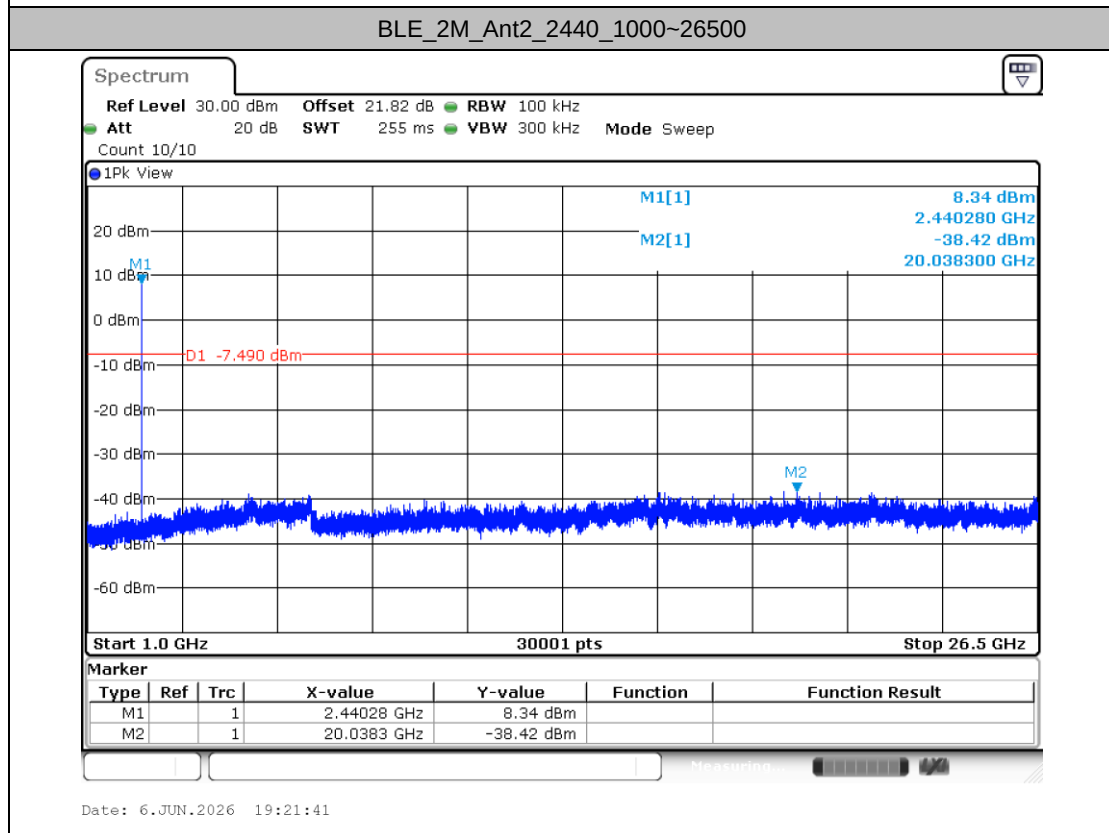
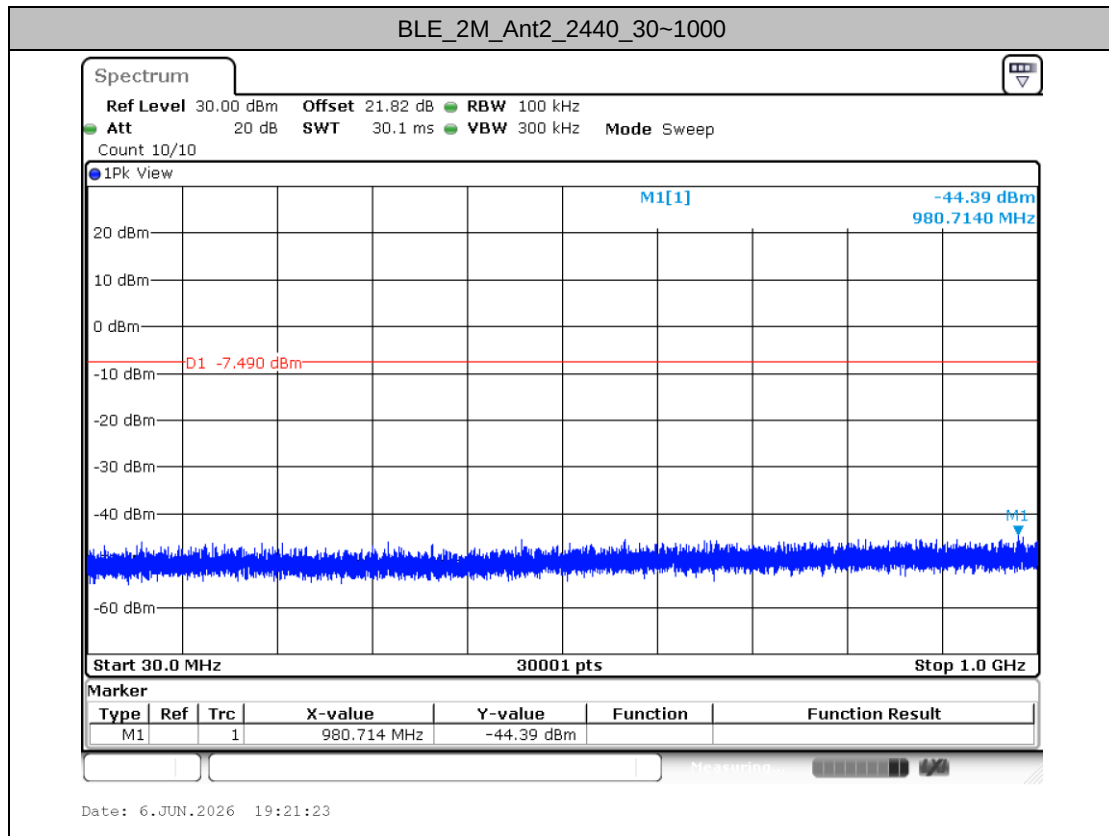
Test Graphs

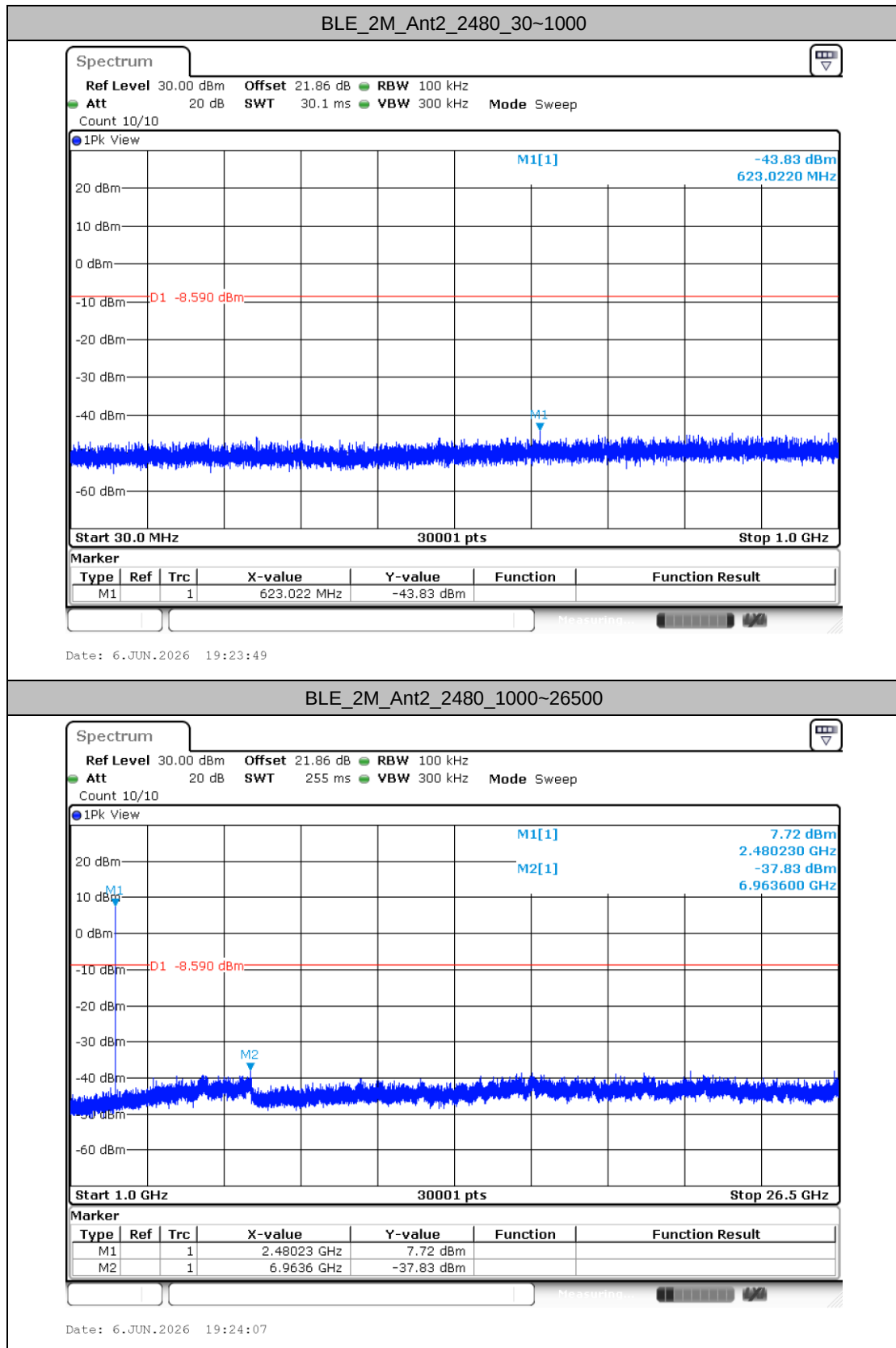


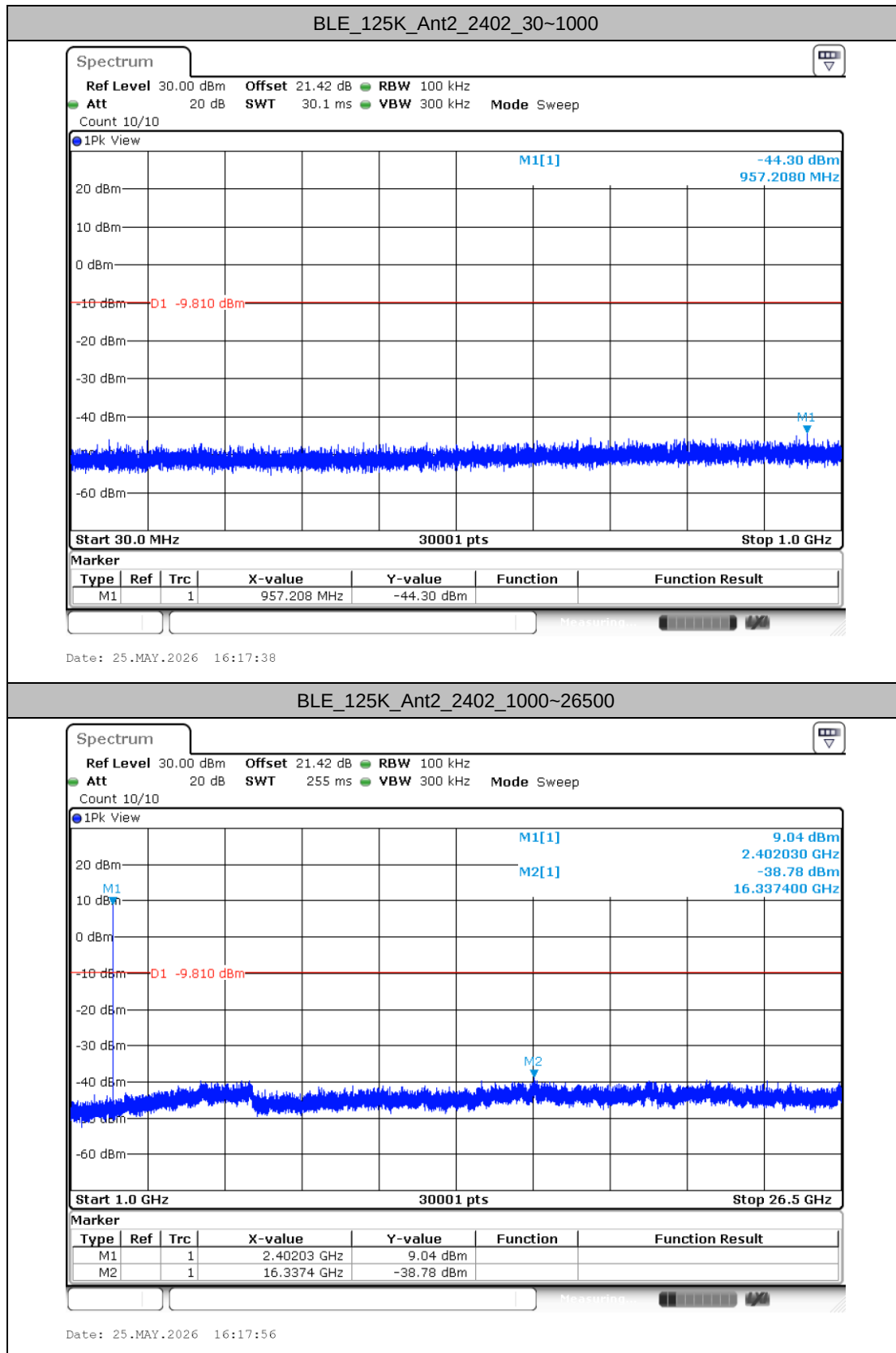


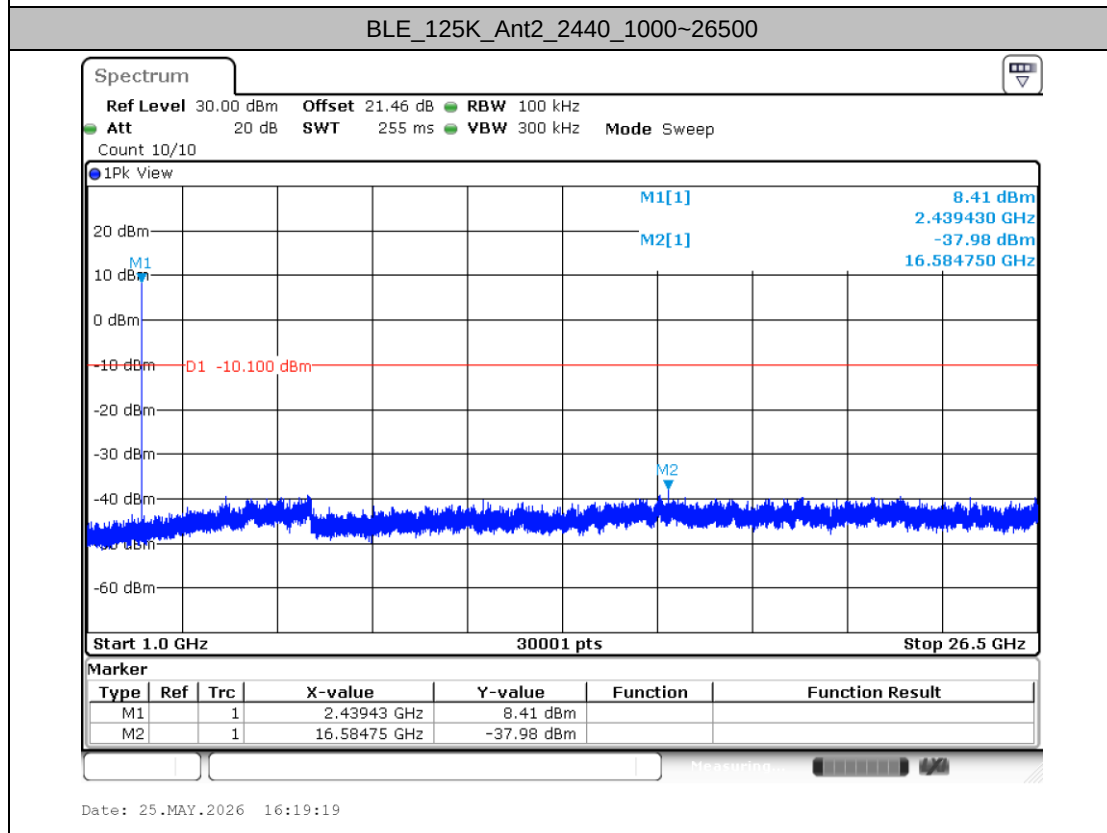
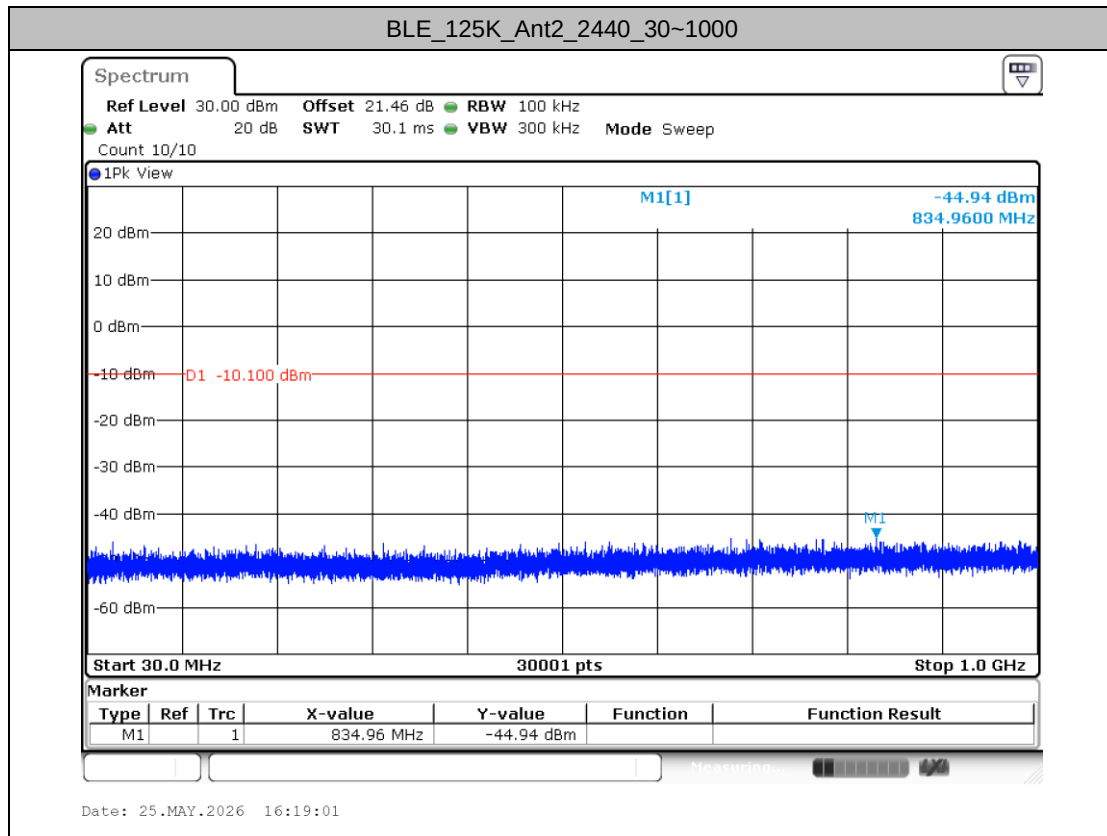


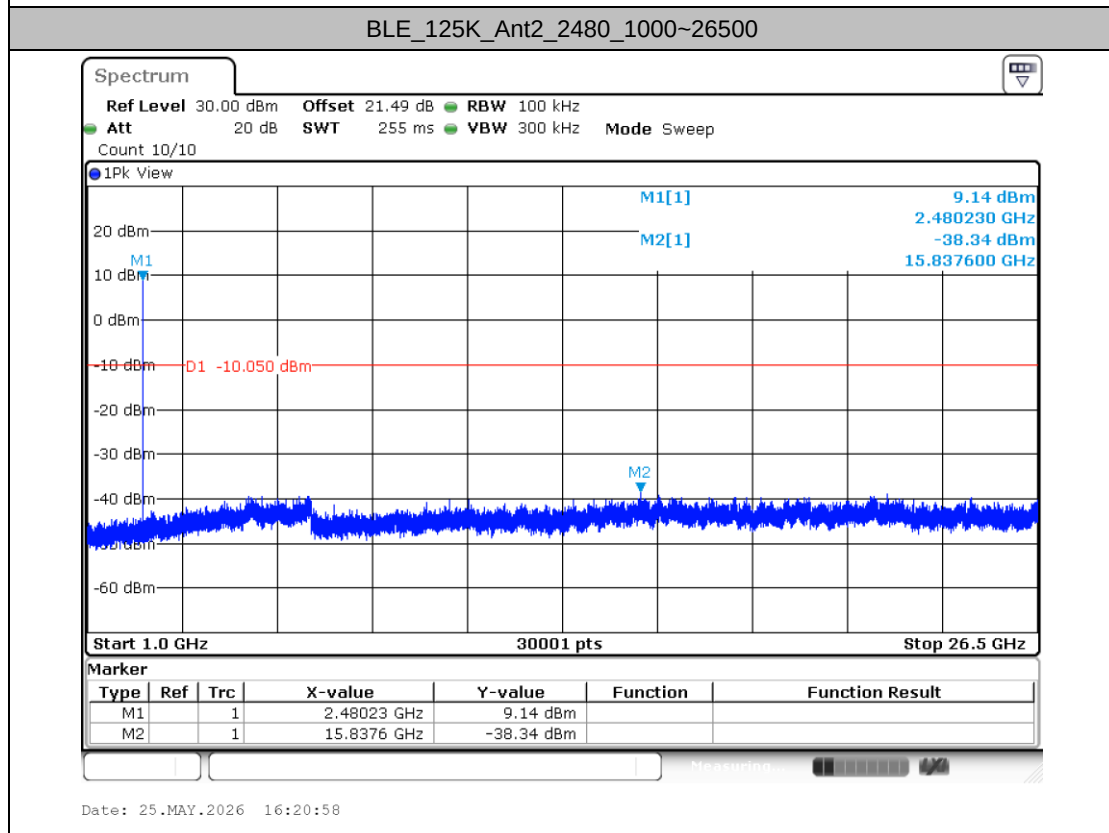
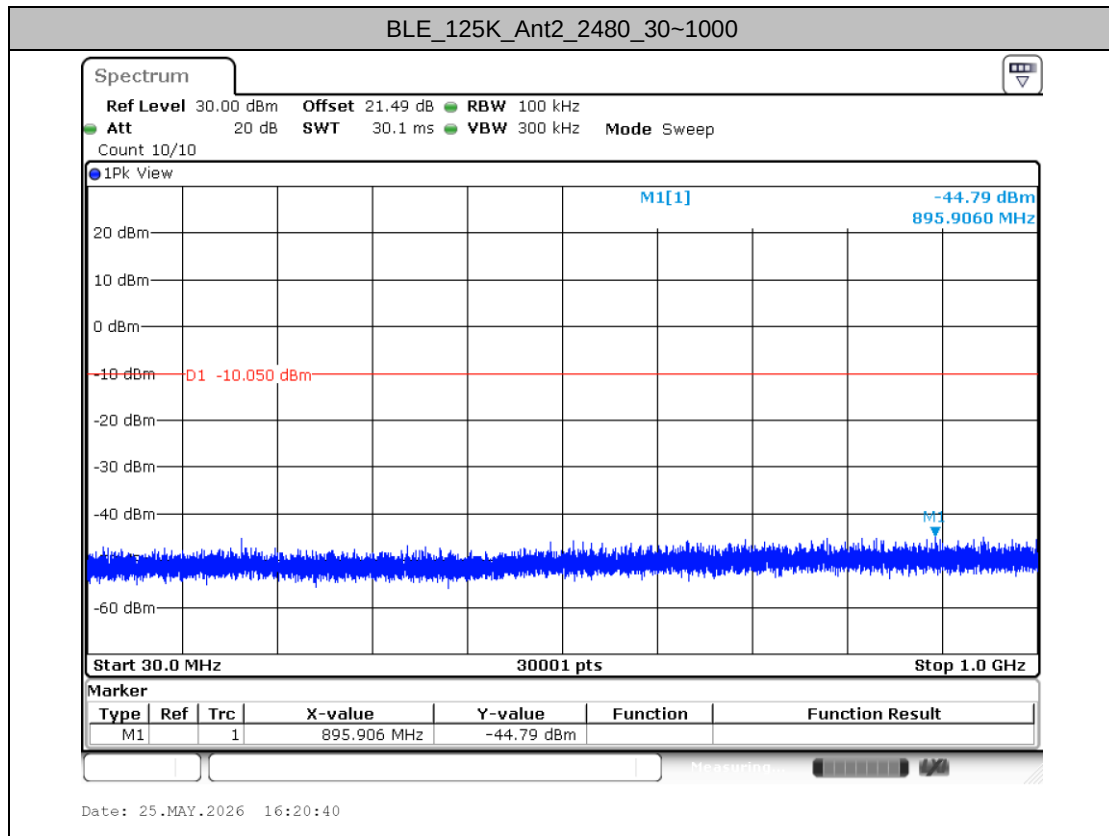


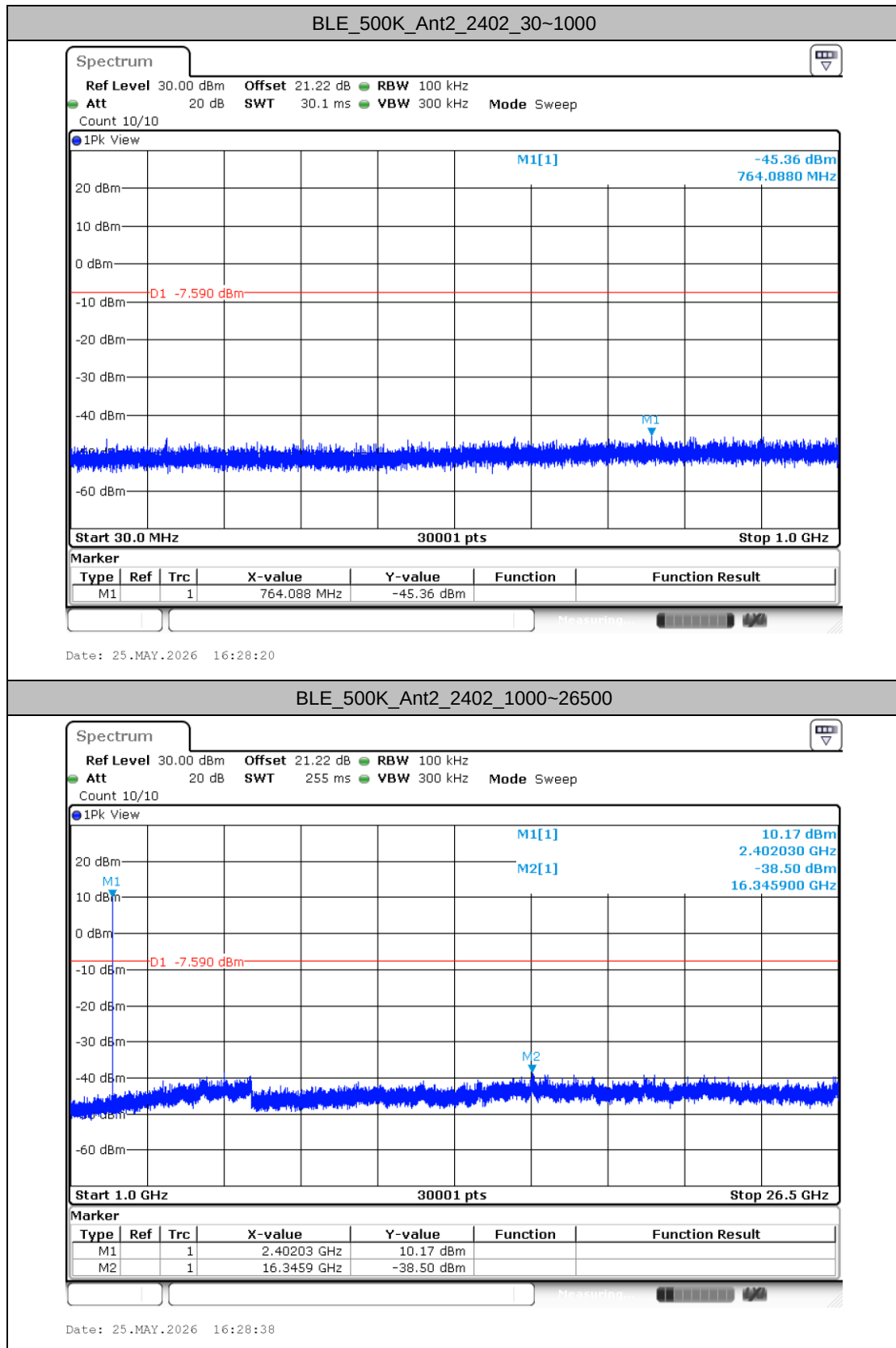


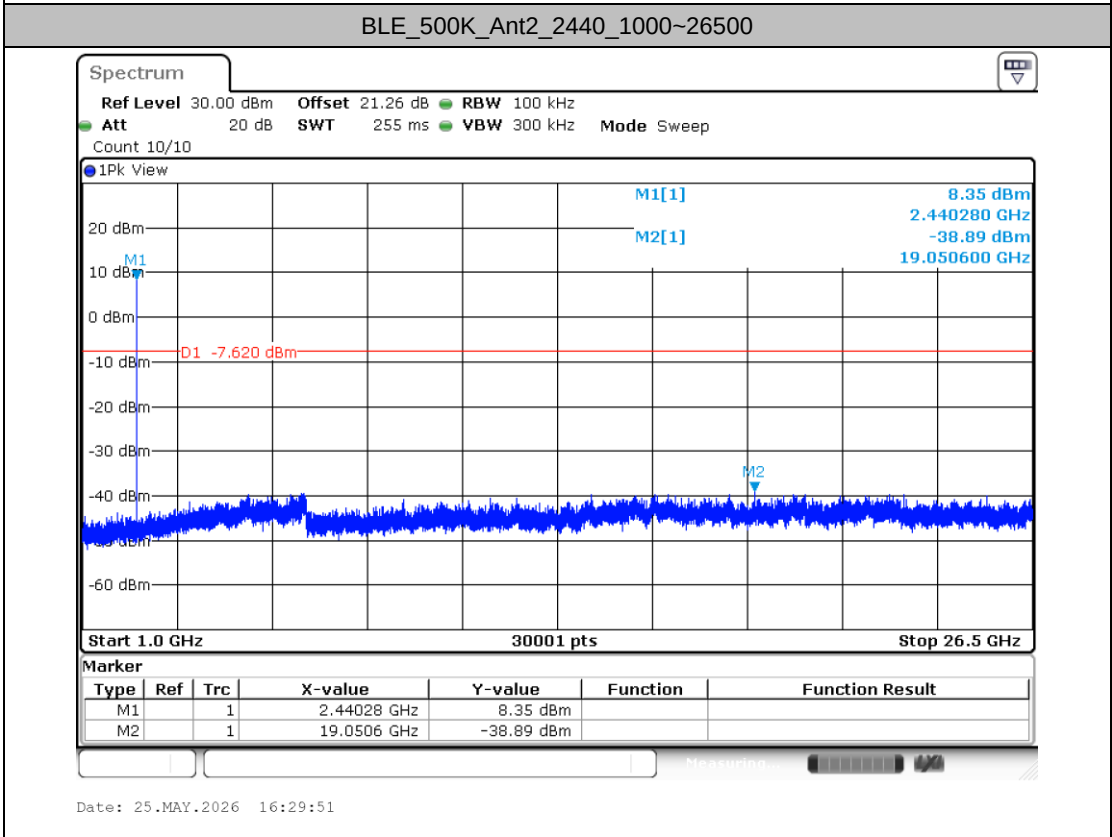
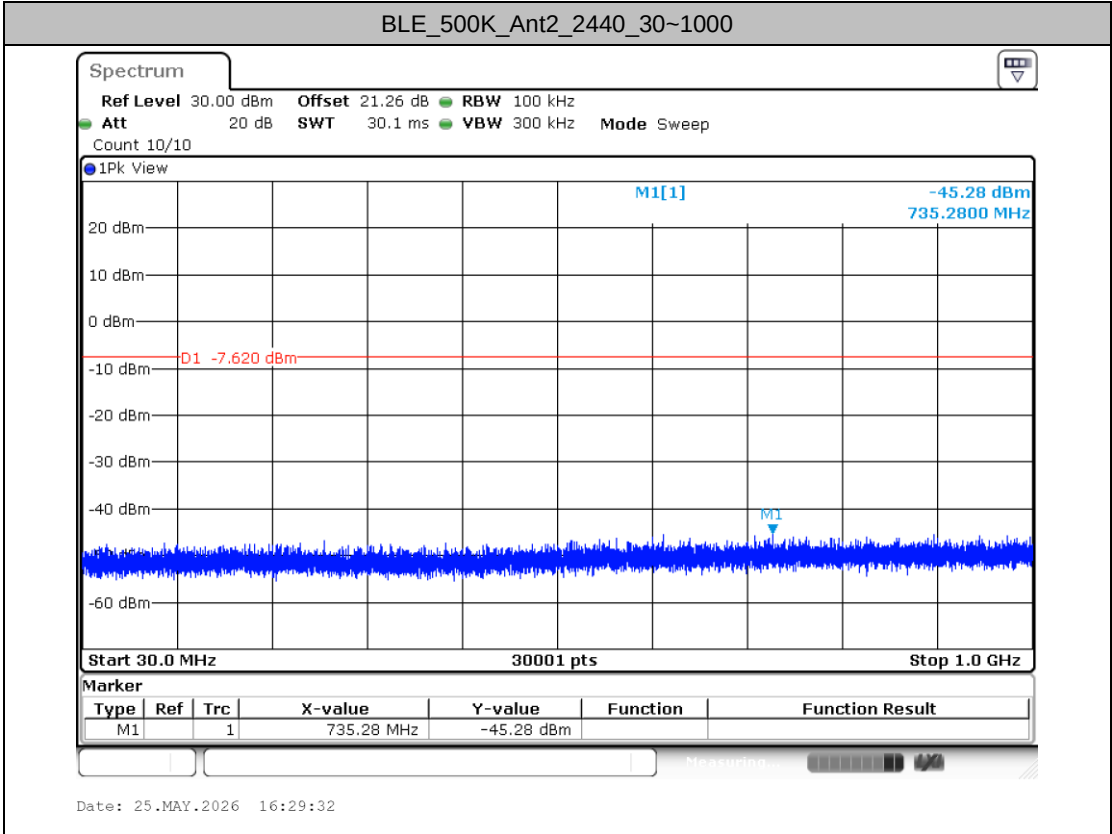


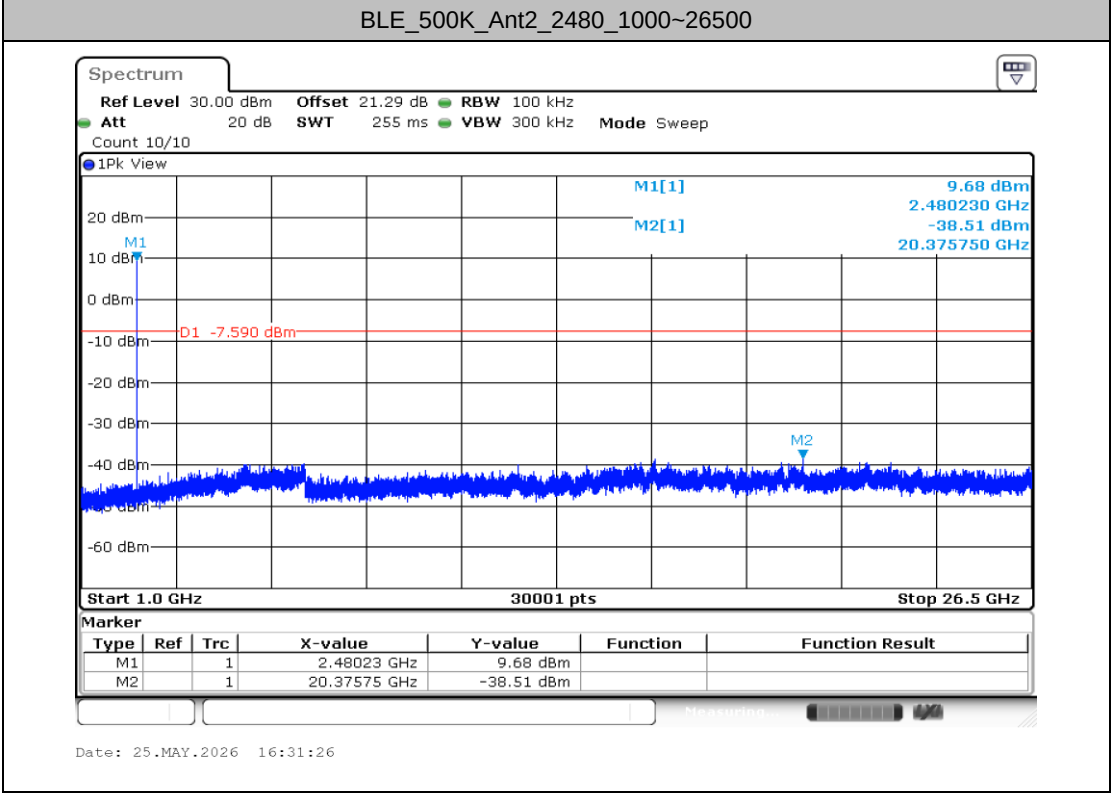
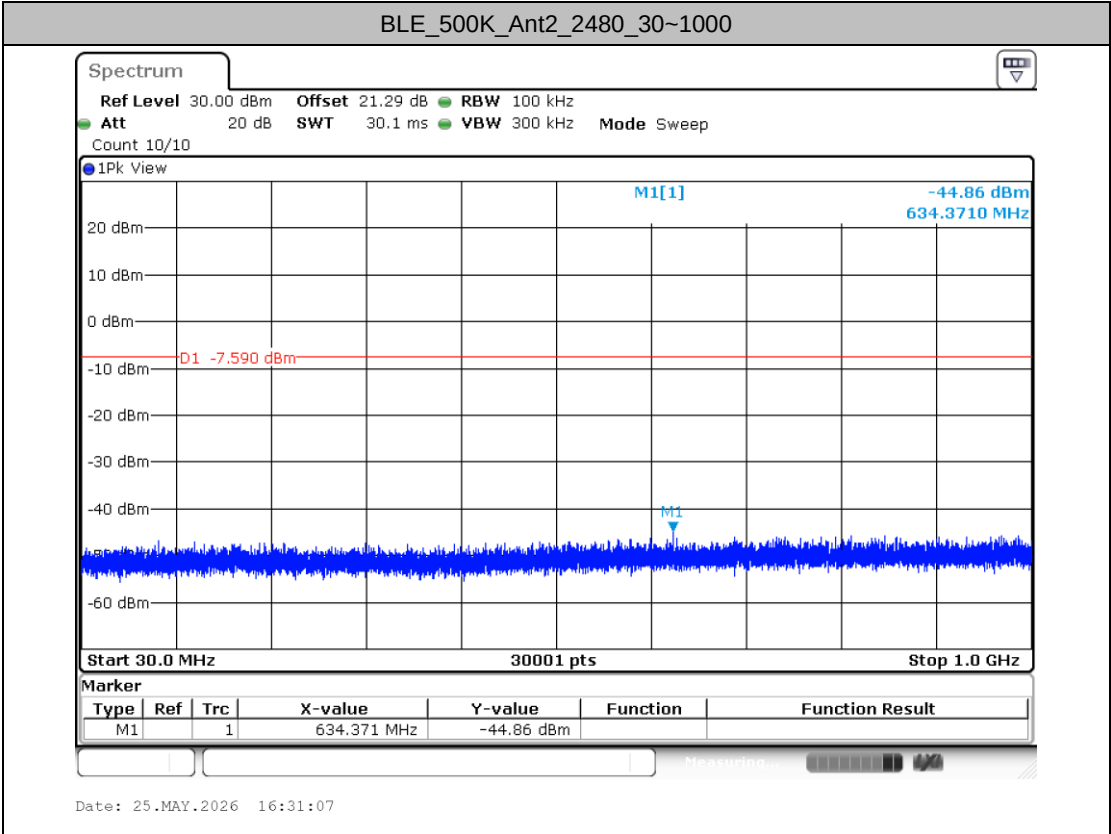








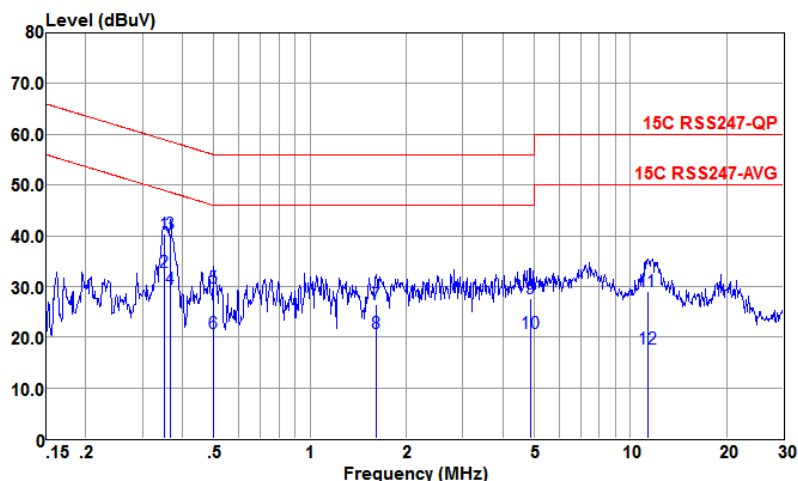






Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



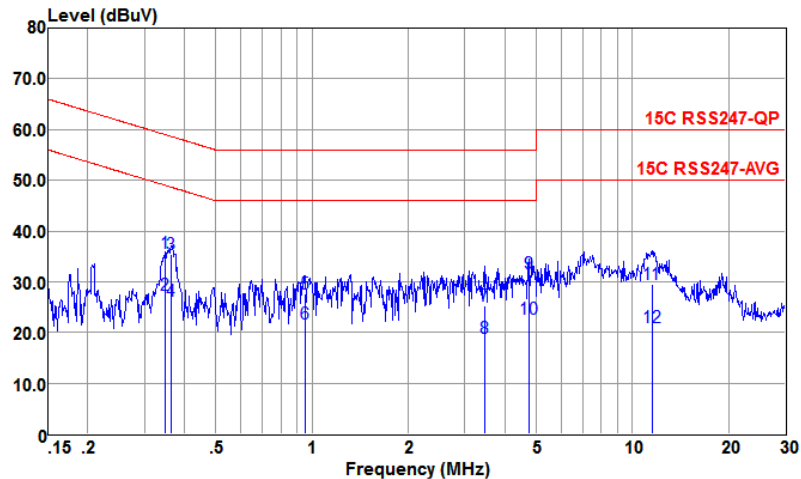
Site : CO01-KS

Condition : 15C RSS247-QP LISN-100334-L+CABLE LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV		dB	
1	0.350	40.30	-18.66	58.96	20.20	9.61	10.49	QP
2 *	0.350	32.70	-16.26	48.96	12.60	9.61	10.49	Average
3	0.367	40.32	-18.24	58.56	20.20	9.63	10.49	QP
4	0.367	29.42	-19.14	48.56	9.30	9.63	10.49	Average
5	0.502	29.76	-26.24	56.00	9.50	9.75	10.51	QP
6	0.502	20.76	-25.24	46.00	0.50	9.75	10.51	Average
7	1.610	26.50	-29.50	56.00	6.20	9.75	10.55	QP
8	1.610	20.80	-25.20	46.00	0.50	9.75	10.55	Average
9	4.874	27.63	-28.37	56.00	7.20	9.93	10.50	QP
10	4.874	20.73	-25.27	46.00	0.30	9.93	10.50	Average
11	11.317	29.00	-31.00	60.00	8.20	10.25	10.55	QP
12	11.317	17.60	-32.40	50.00	-3.20	10.25	10.55	Average



Test Engineer :	Amos	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS

Condition : 15C RSS247-QP LISN-100334-N+CABLE NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.348	35.60	-23.40	59.00	15.50	9.61	10.49	QP
2 *	0.348	27.30	-21.70	49.00	7.20	9.61	10.49	Average
3	0.363	35.32	-23.33	58.65	15.20	9.63	10.49	QP
4	0.363	26.32	-22.33	48.65	6.20	9.63	10.49	Average
5	0.953	27.74	-28.26	56.00	7.50	9.68	10.56	QP
6	0.953	21.74	-24.26	46.00	1.50	9.68	10.56	Average
7	3.454	25.17	-30.83	56.00	4.79	9.86	10.52	QP
8	3.454	18.87	-27.13	46.00	-1.51	9.86	10.52	Average
9	4.746	31.66	-24.34	56.00	11.21	9.95	10.50	QP
10	4.746	22.66	-23.34	46.00	2.21	9.95	10.50	Average
11	11.498	29.61	-30.39	60.00	8.81	10.25	10.55	QP
12	11.498	21.11	-28.89	50.00	0.31	10.25	10.55	Average

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)