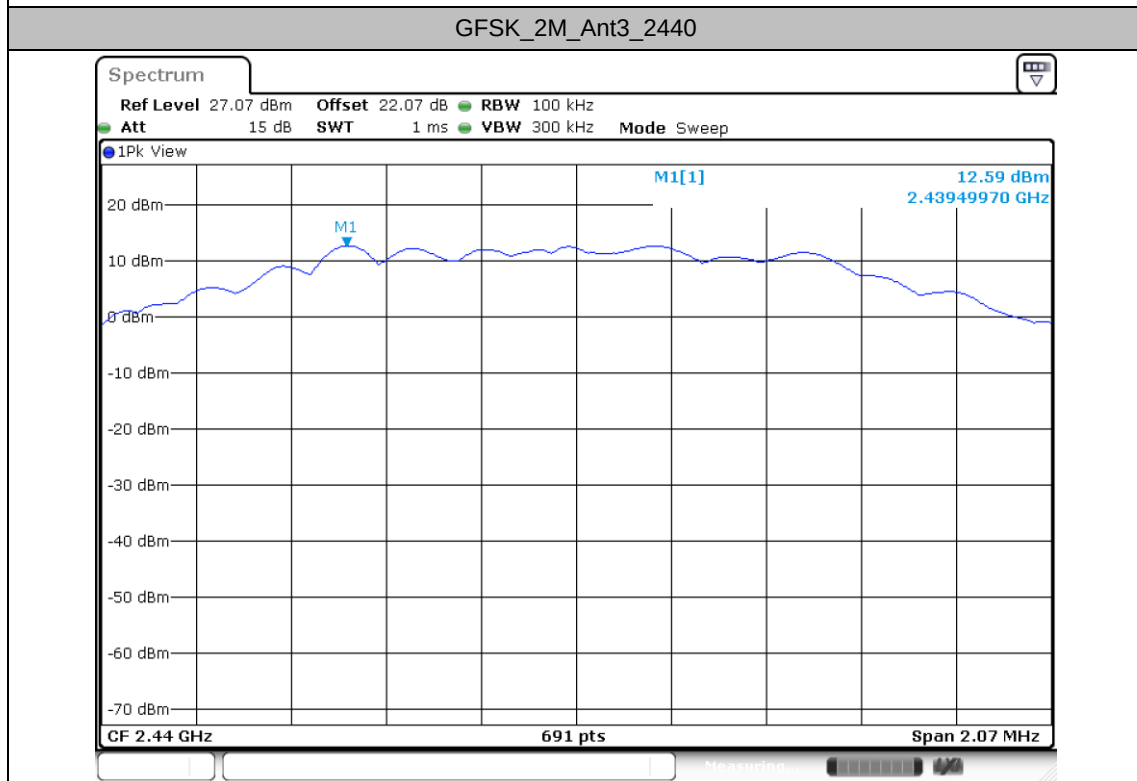
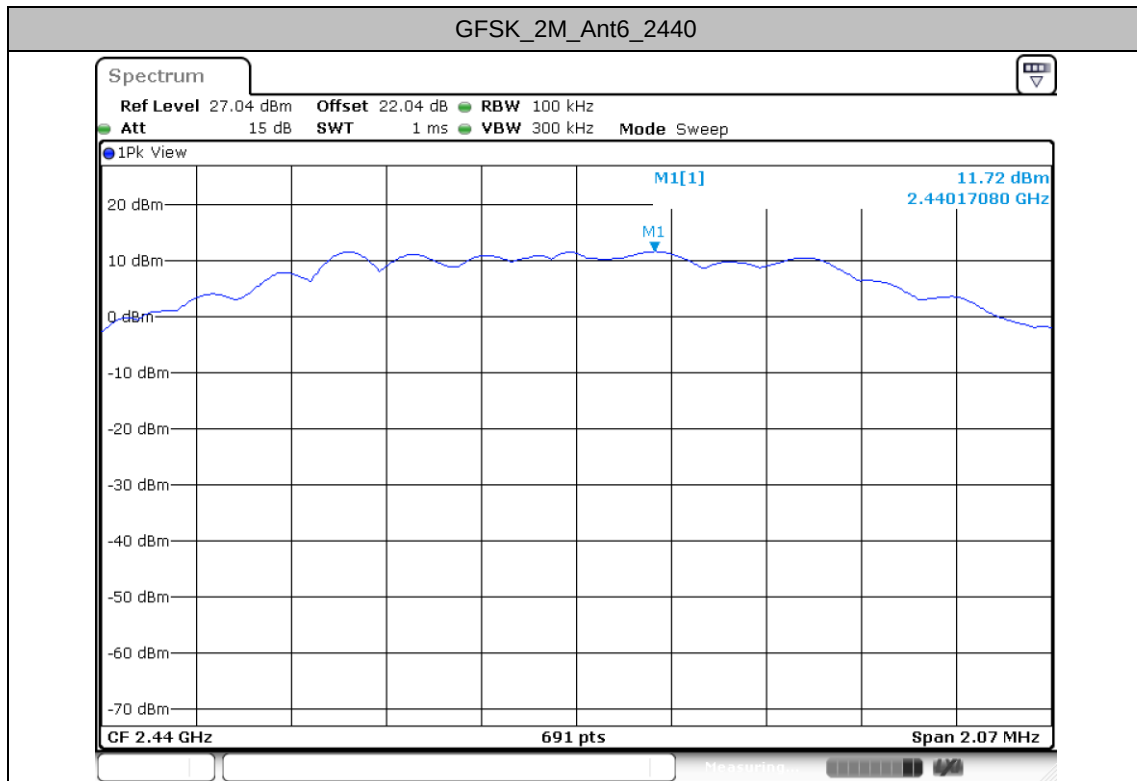
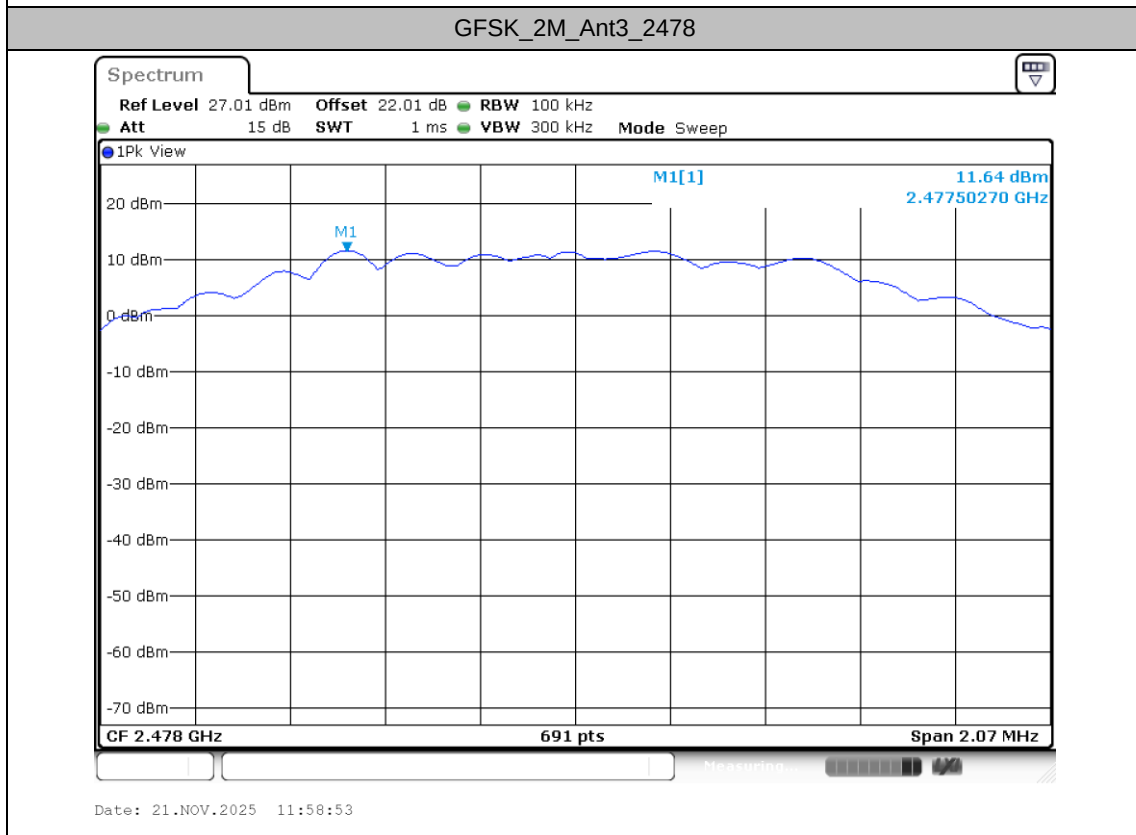
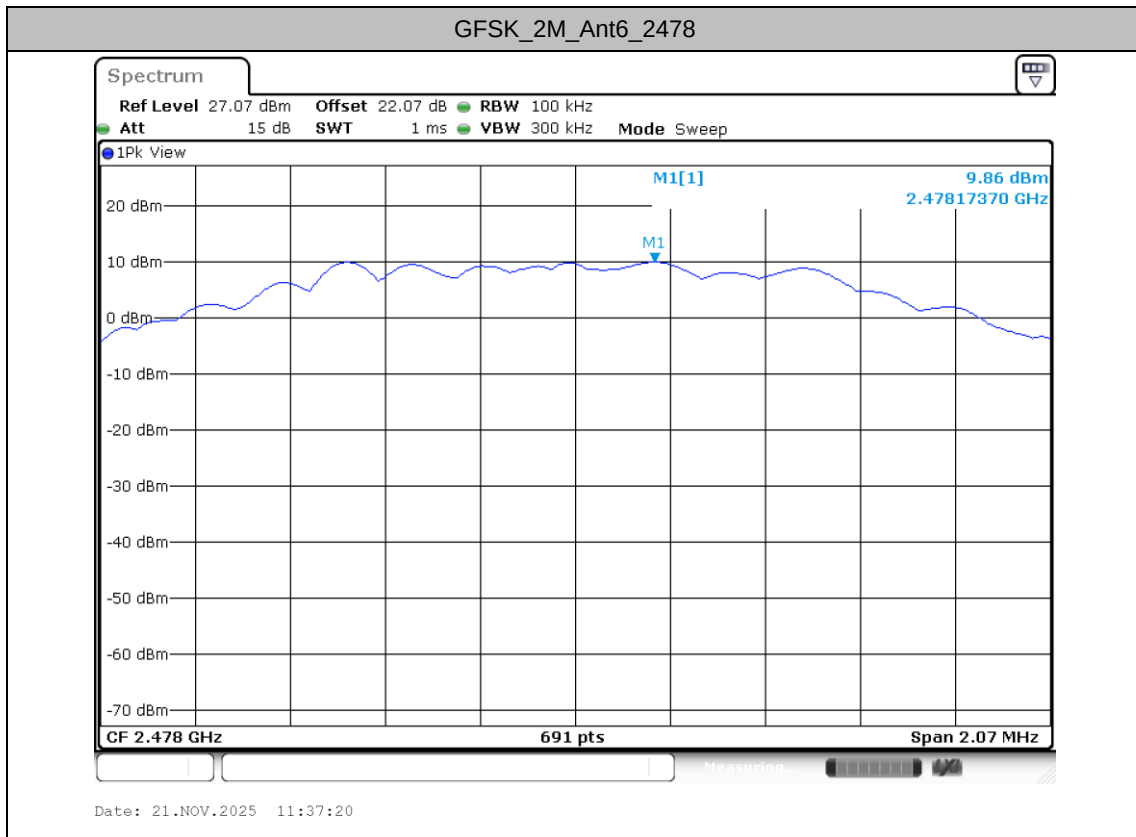








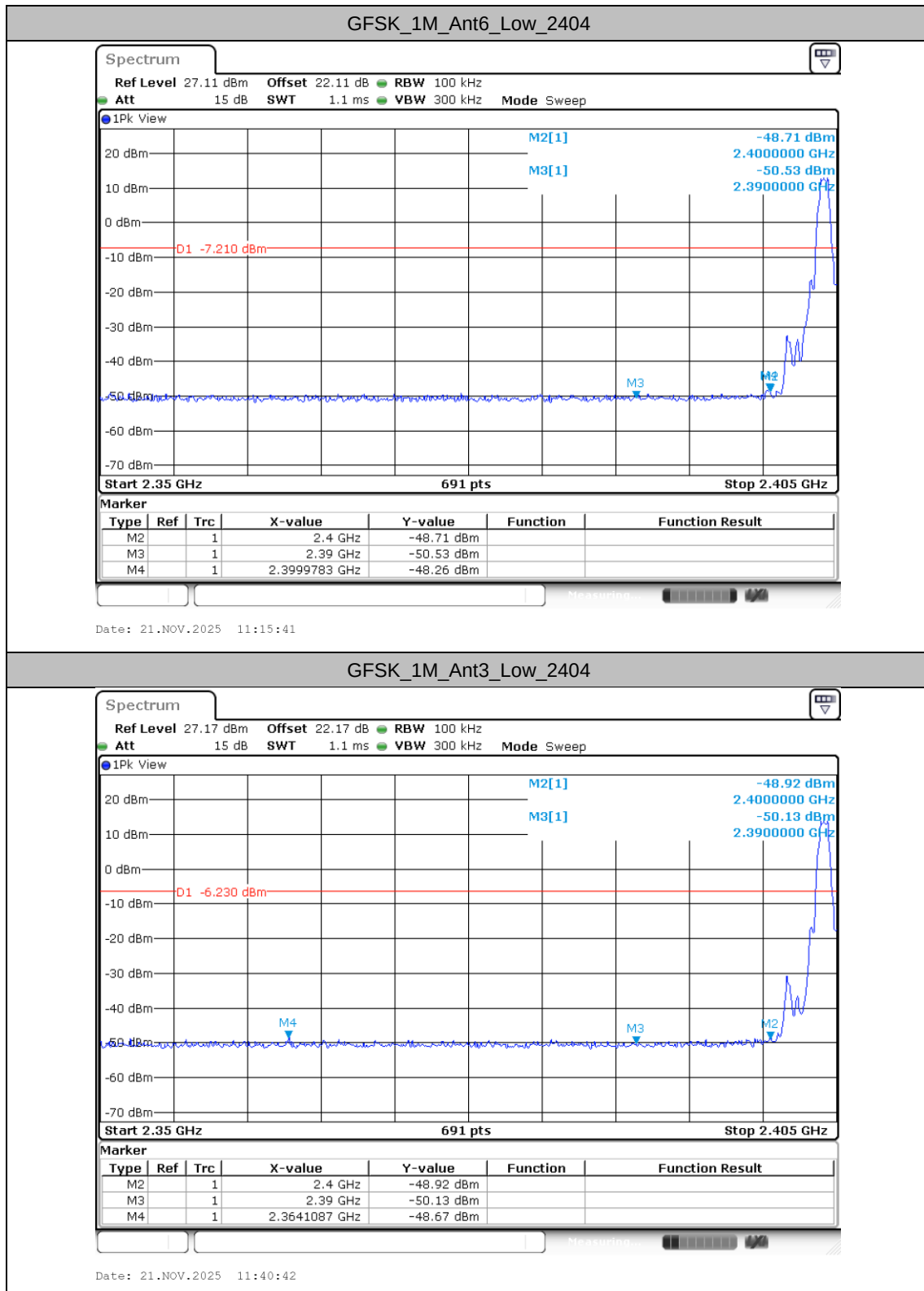
Band edge measurements

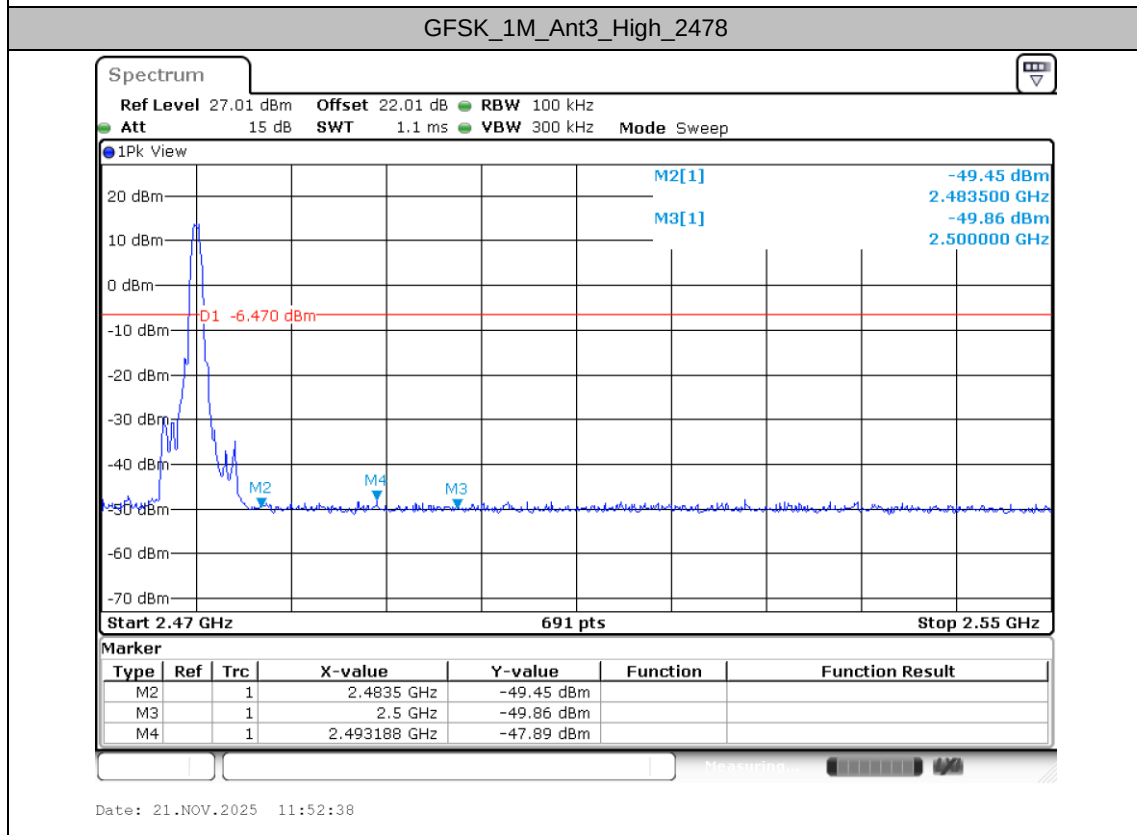
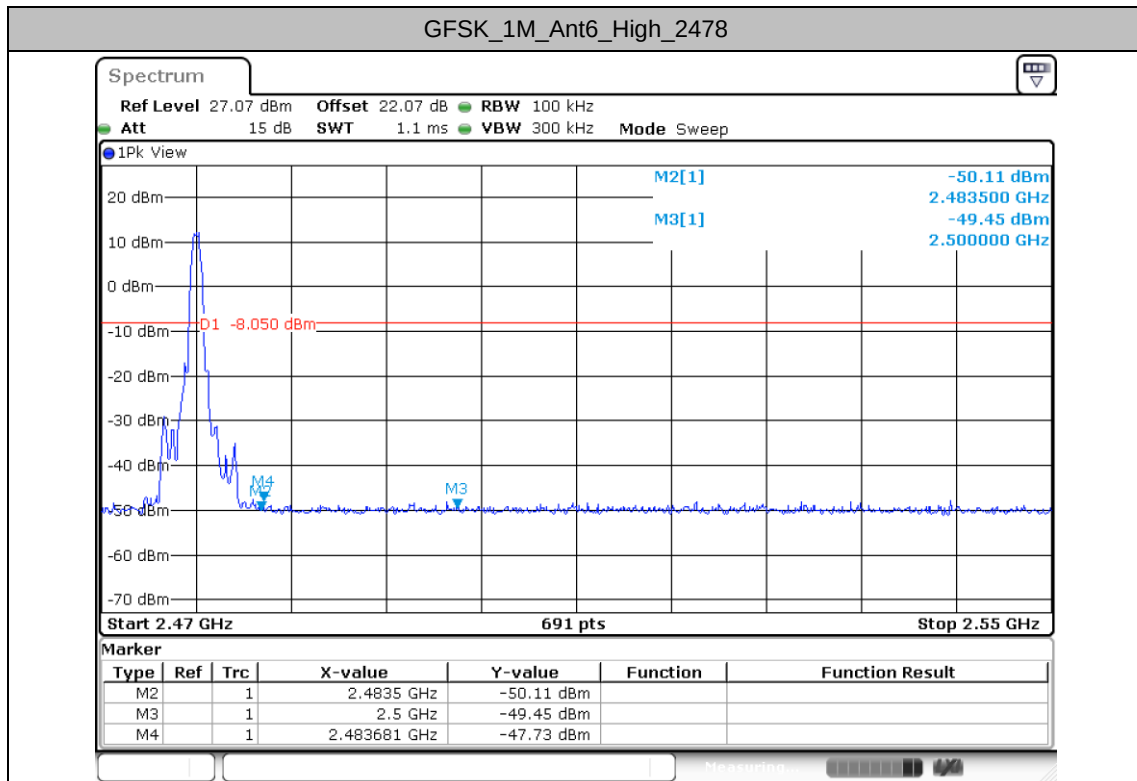
Test Result

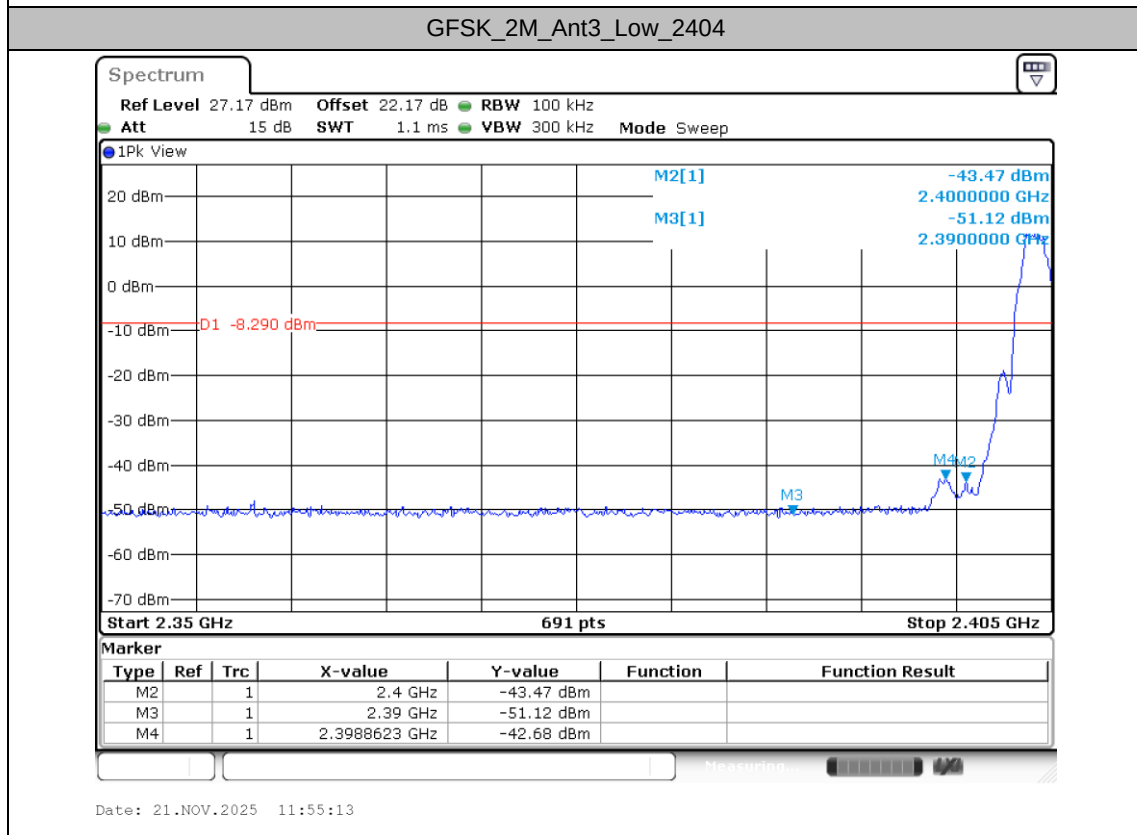
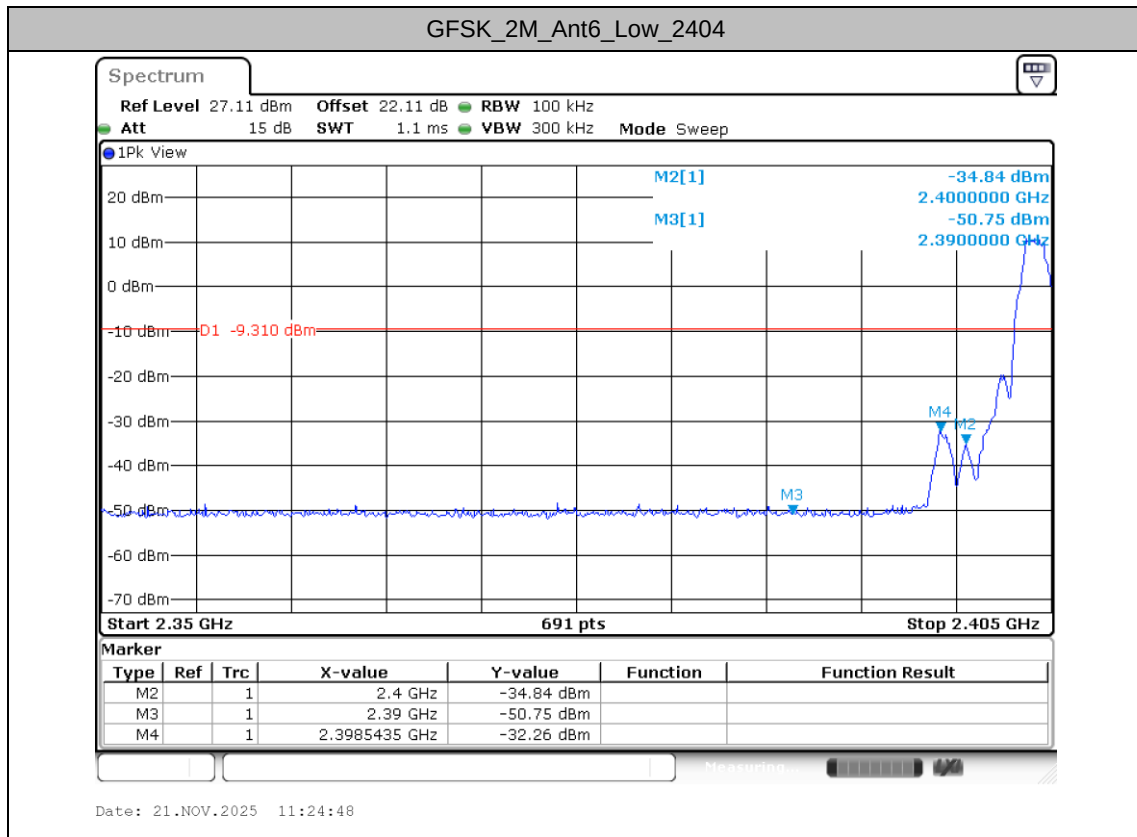
Test Mode	Antenna	ChName	Freq(MHz)	RefLevel[dBm /100KHz]	Result[dBm /100KHz]	Limit[dBm /100KHz]	Verdict
GFSK_1M	Ant6	Low	2404	12.79	-48.26	≤ -7.21	PASS
	Ant3	Low	2404	13.77	-48.67	≤ -6.23	PASS
	Ant6	High	2478	11.95	-47.73	≤ -8.05	PASS
	Ant3	High	2478	13.53	-47.89	≤ -6.47	PASS
GFSK_2M	Ant6	Low	2404	10.69	-32.26	≤ -9.31	PASS
	Ant3	Low	2404	11.71	-42.68	≤ -8.29	PASS
	Ant6	High	2478	9.86	-36.05	≤ -10.14	PASS
	Ant3	High	2478	11.64	-37.92	≤ -8.36	PASS

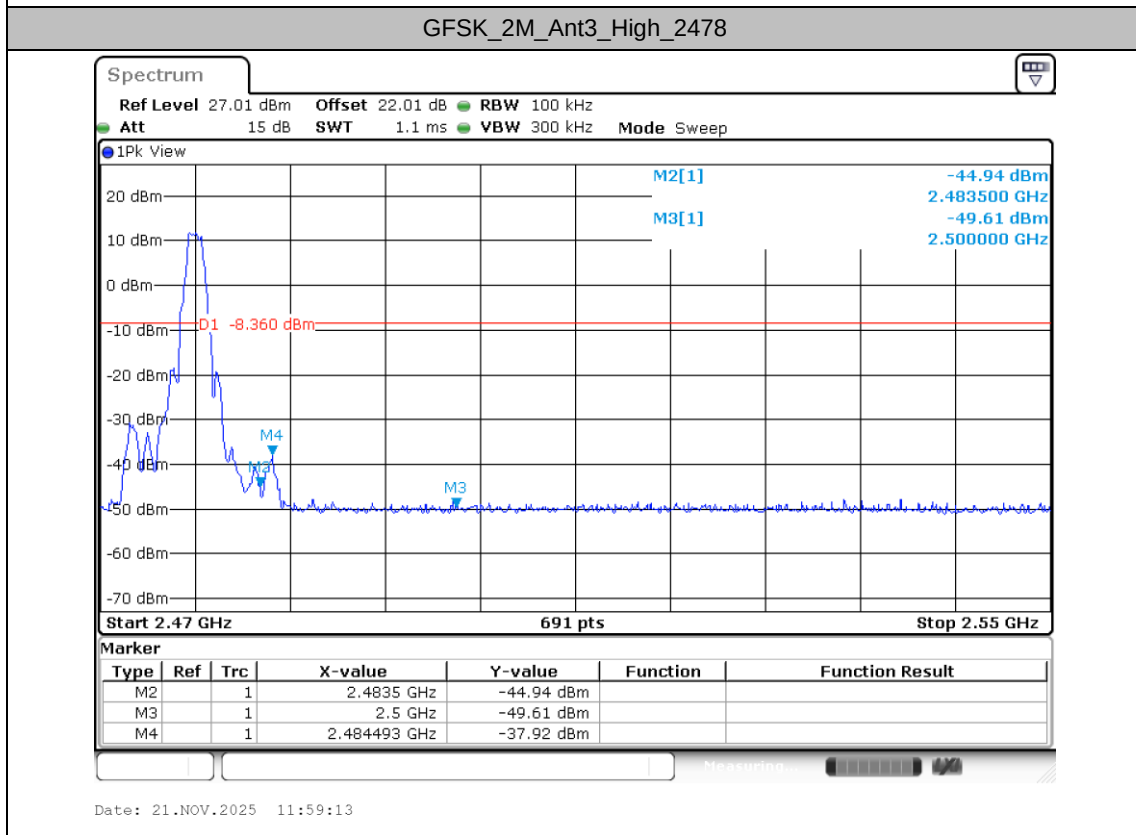
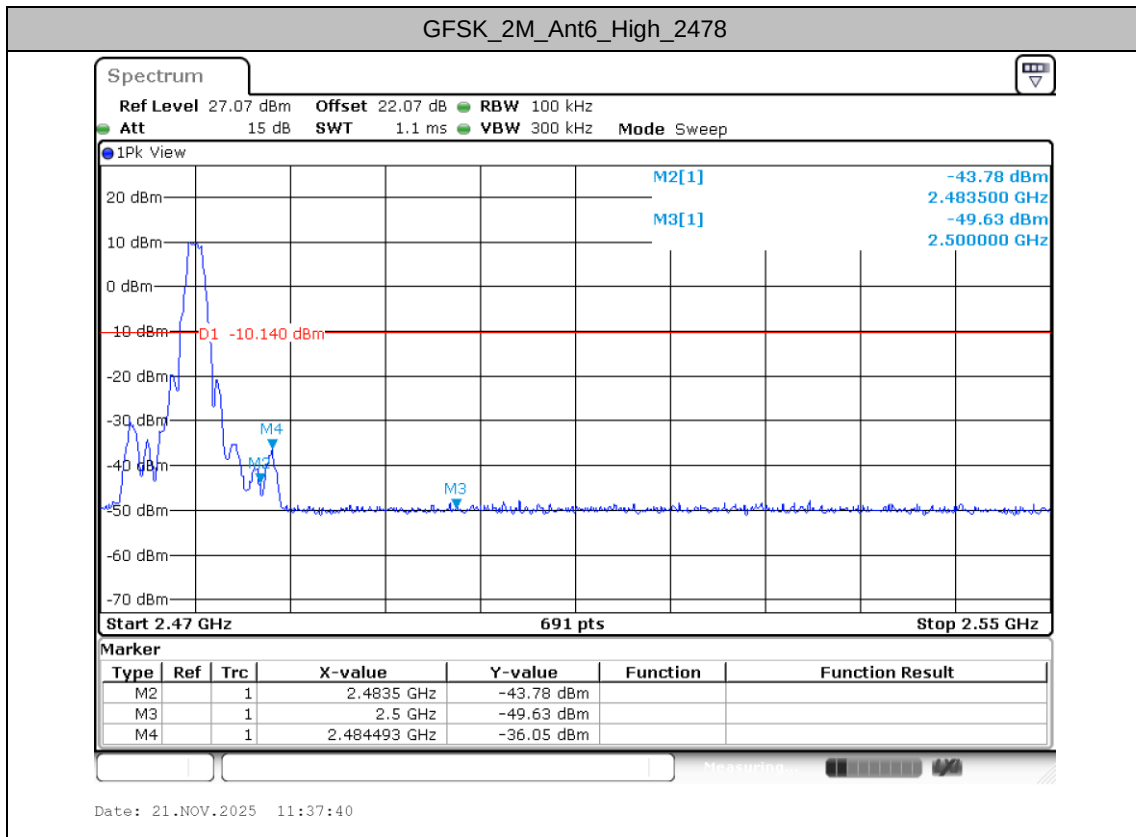


Test Graphs











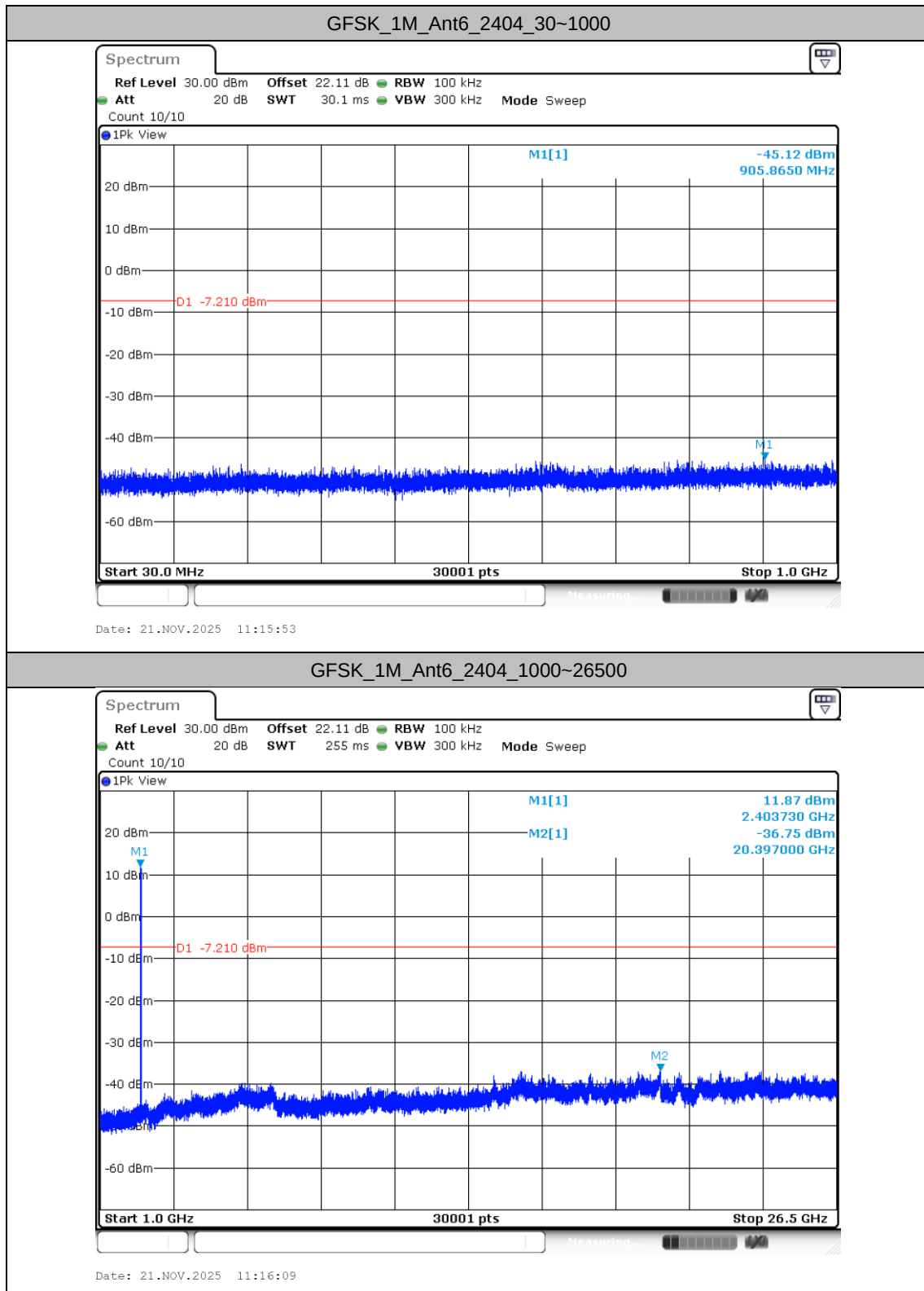
Conducted Spurious Emission

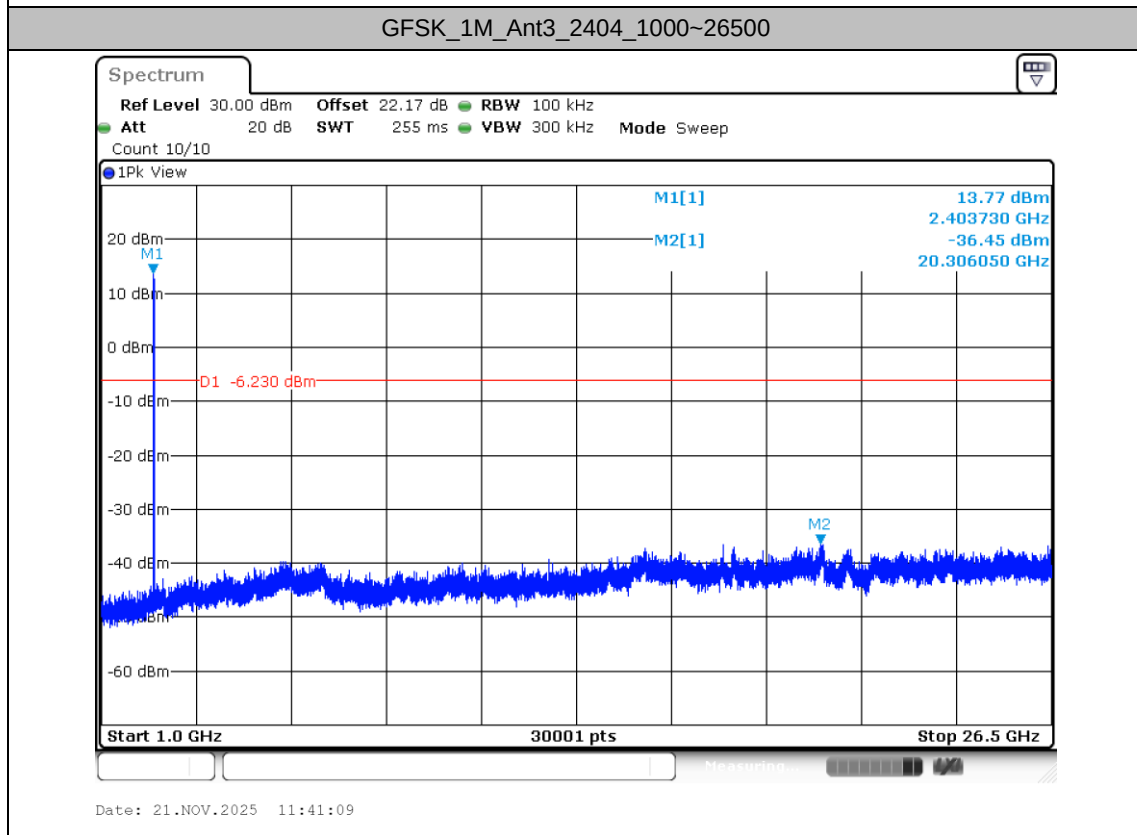
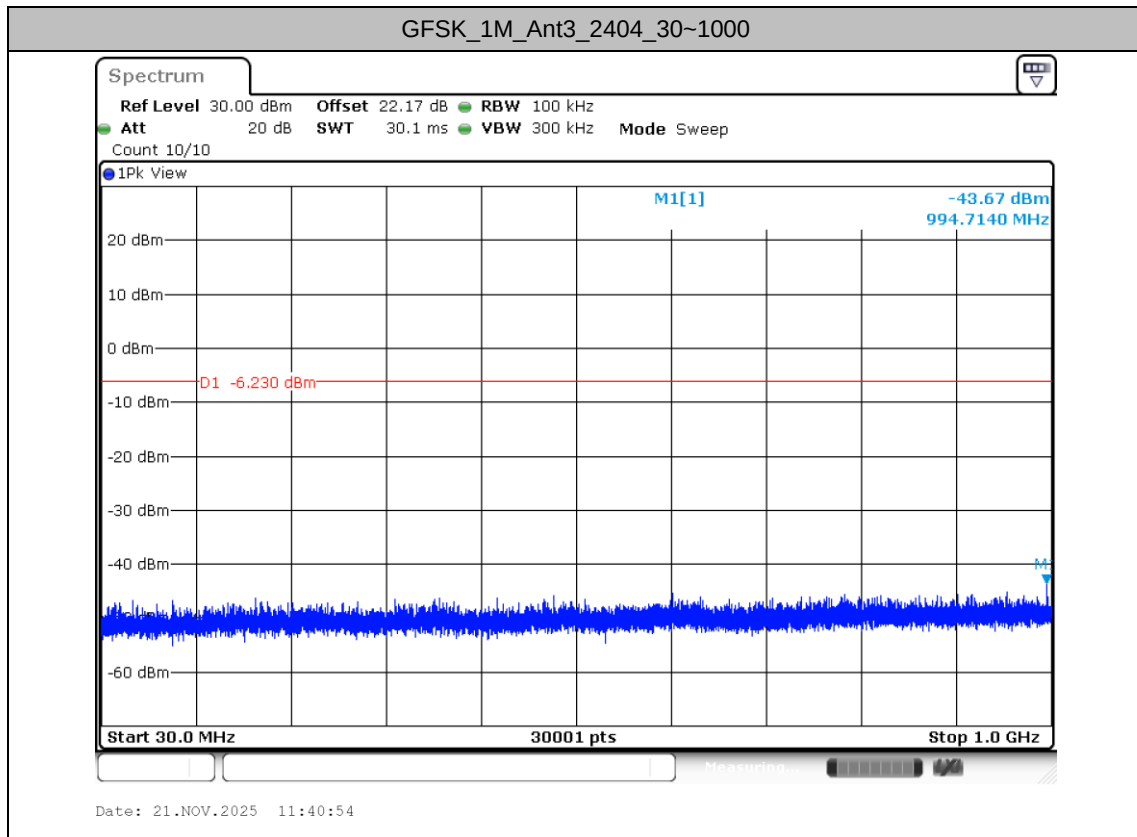
Test Result

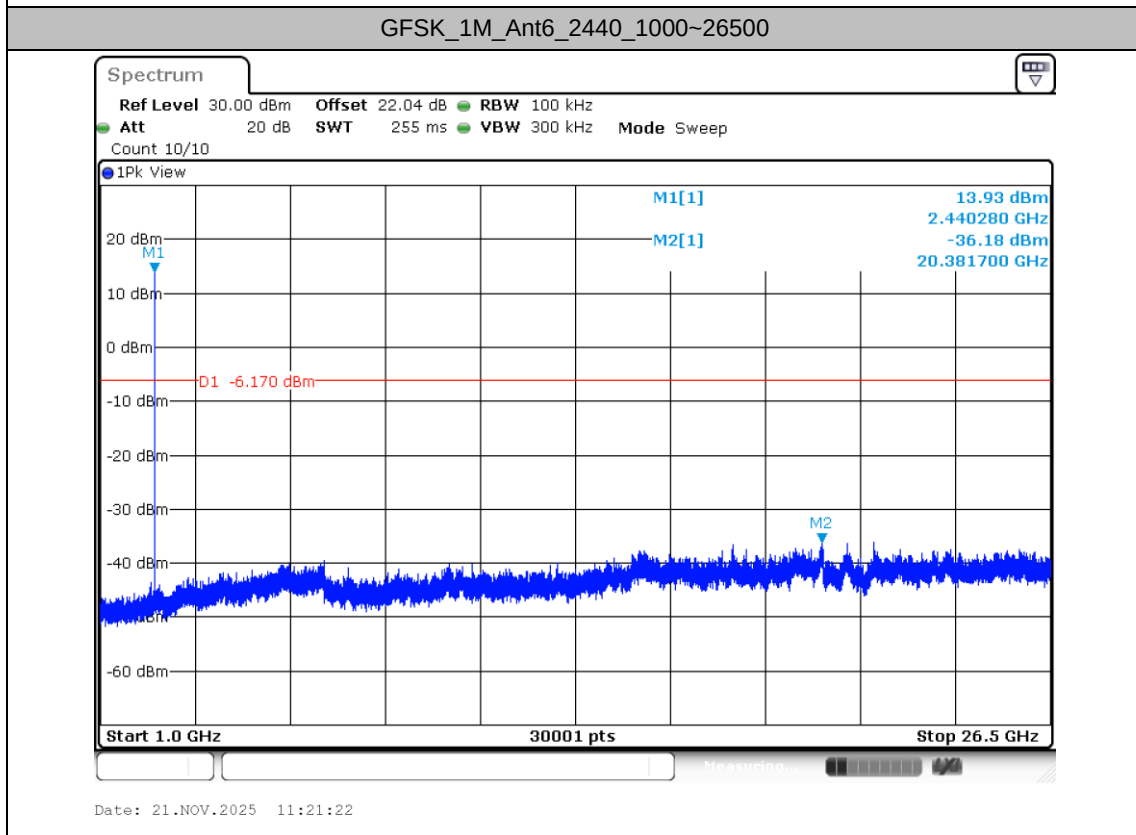
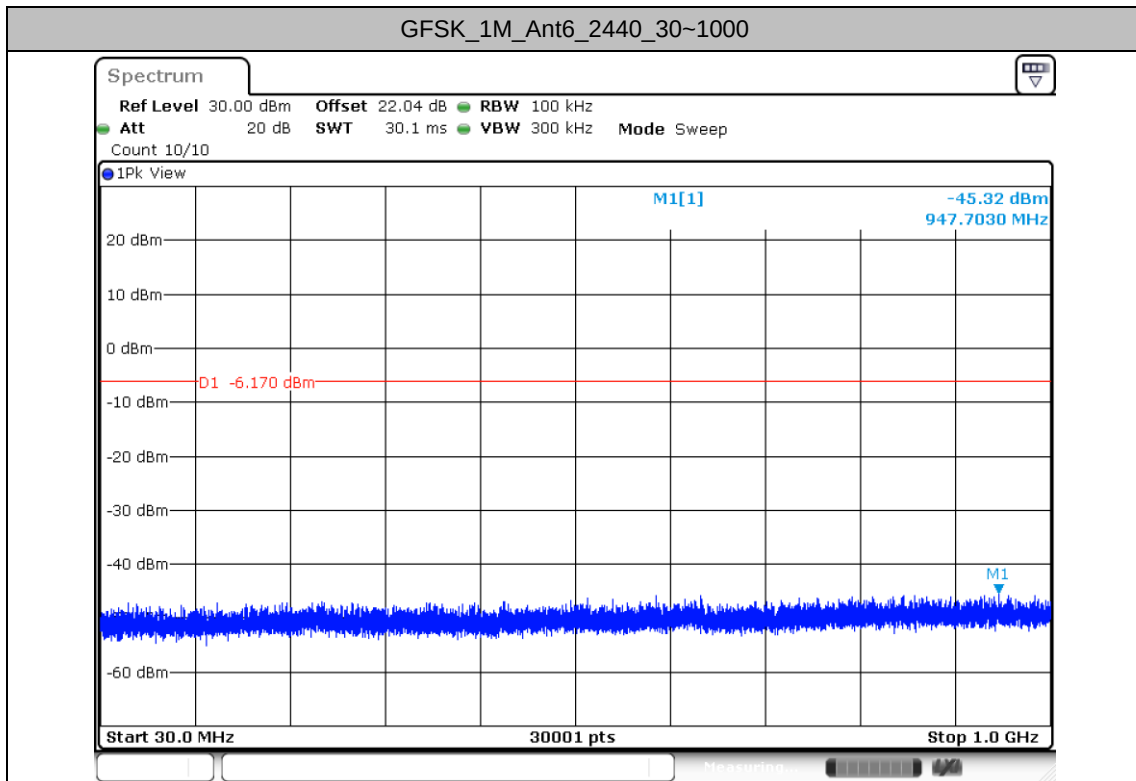
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm/100KHz]	Result [dBm/100KHz]	Limit [dBm/100KHz]	Verdict
GFSK_1M	Ant6	2404	30~1000	12.79	-45.12	≤ -7.21	PASS
			1000~26500	12.79	-36.75	≤ -7.21	PASS
	Ant3	2404	30~1000	13.77	-43.67	≤ -6.23	PASS
			1000~26500	13.77	-36.45	≤ -6.23	PASS
	Ant6	2440	30~1000	13.83	-45.32	≤ -6.17	PASS
			1000~26500	13.83	-36.18	≤ -6.17	PASS
	Ant3	2440	30~1000	14.54	-45.13	≤ -5.46	PASS
			1000~26500	14.54	-36.16	≤ -5.46	PASS
	Ant6	2478	30~1000	11.95	-45.42	≤ -8.05	PASS
			1000~26500	11.95	-35.75	≤ -8.05	PASS
	Ant3	2478	30~1000	13.53	-43.86	≤ -6.47	PASS
			1000~26500	13.53	-36.47	≤ -6.47	PASS
GFSK_2M	Ant6	2404	30~1000	10.69	-45.46	≤ -9.31	PASS
			1000~26500	10.69	-35.97	≤ -9.31	PASS
	Ant3	2404	30~1000	11.71	-45.18	≤ -8.29	PASS
			1000~26500	11.71	-35.52	≤ -8.29	PASS
	Ant6	2440	30~1000	11.72	-45.32	≤ -8.28	PASS
			1000~26500	11.72	-36.56	≤ -8.28	PASS
	Ant3	2440	30~1000	12.59	-44.85	≤ -7.41	PASS
			1000~26500	12.59	-36.52	≤ -7.41	PASS
	Ant6	2478	30~1000	9.86	-44.61	≤ -10.14	PASS
			1000~26500	9.86	-36.07	≤ -10.14	PASS
	Ant3	2478	30~1000	11.64	-44.97	≤ -8.36	PASS
			1000~26500	11.64	-35.06	≤ -8.36	PASS

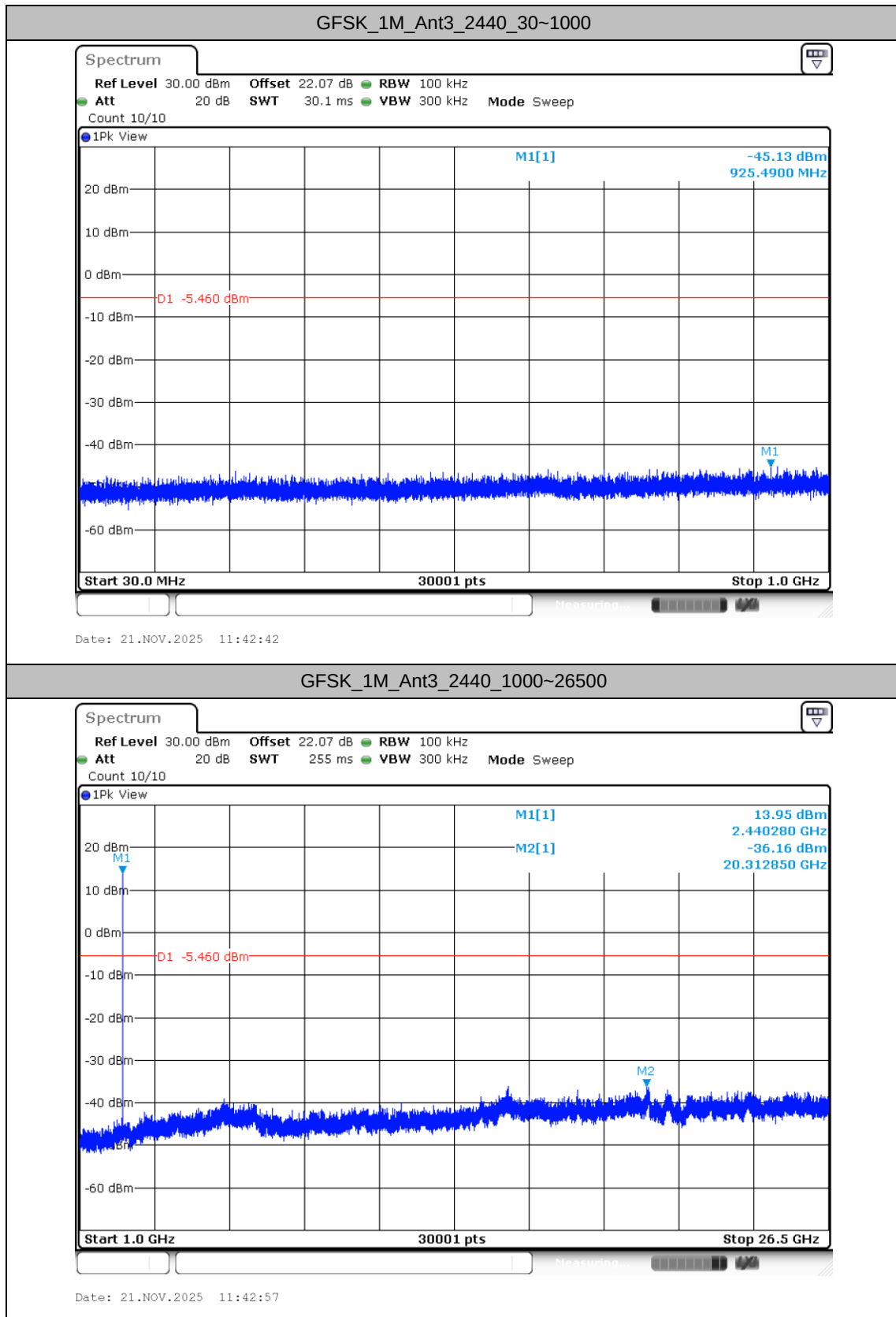


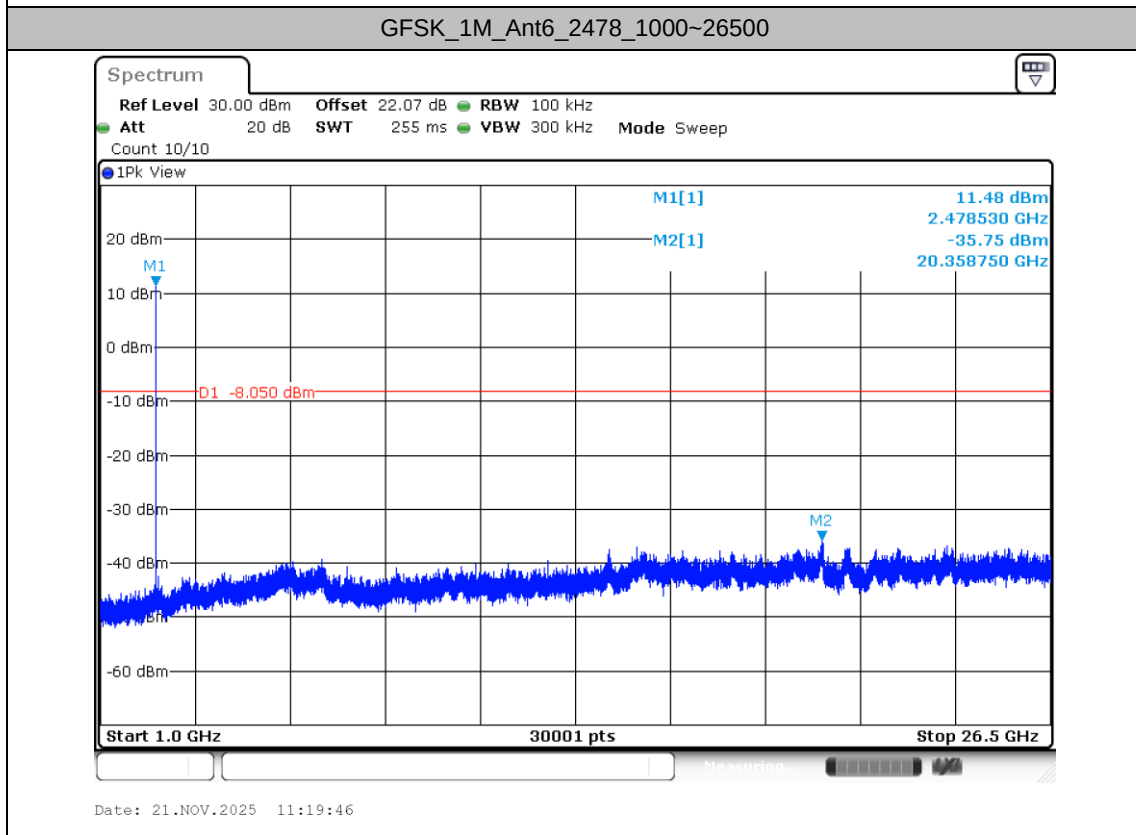
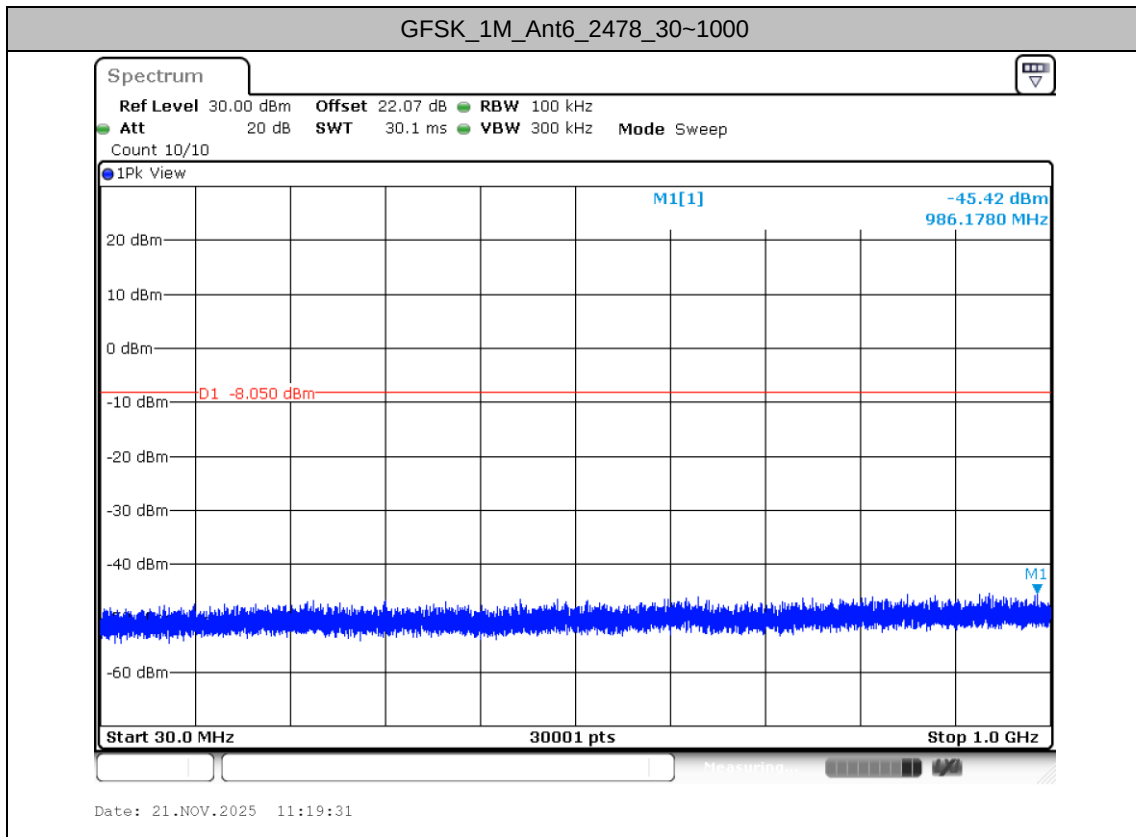
Test Graphs

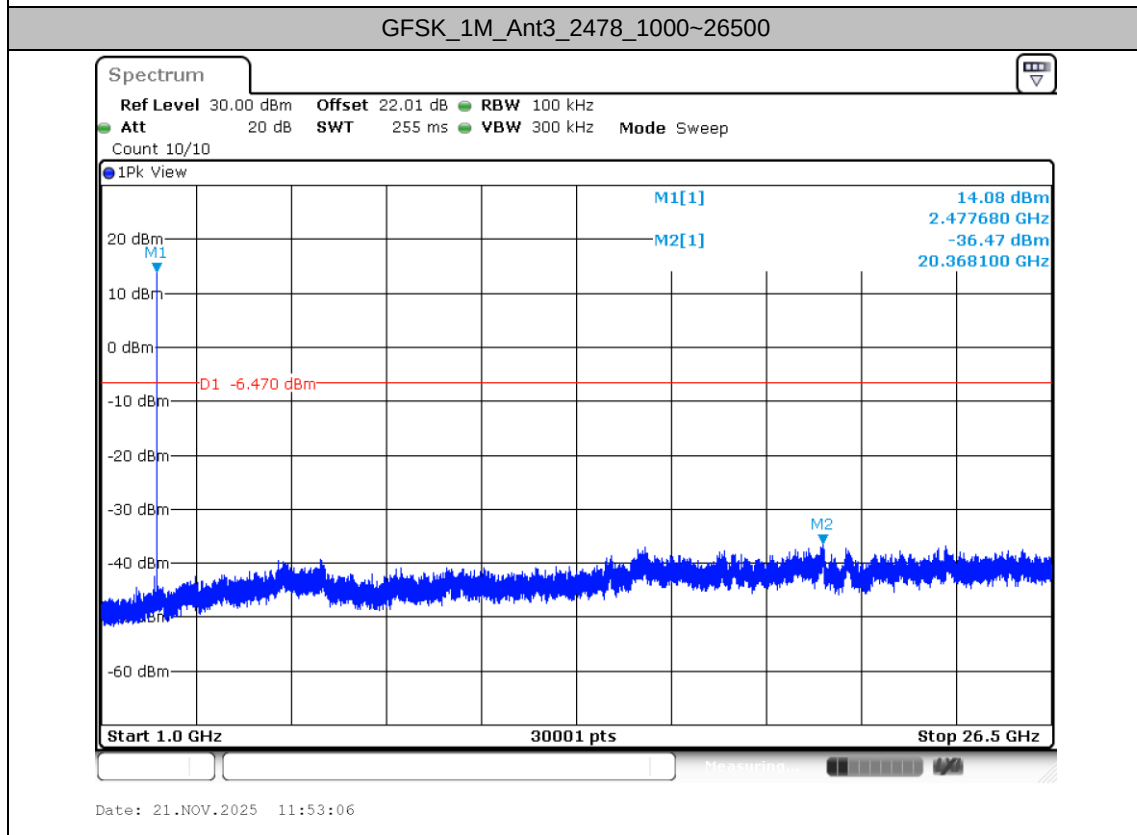
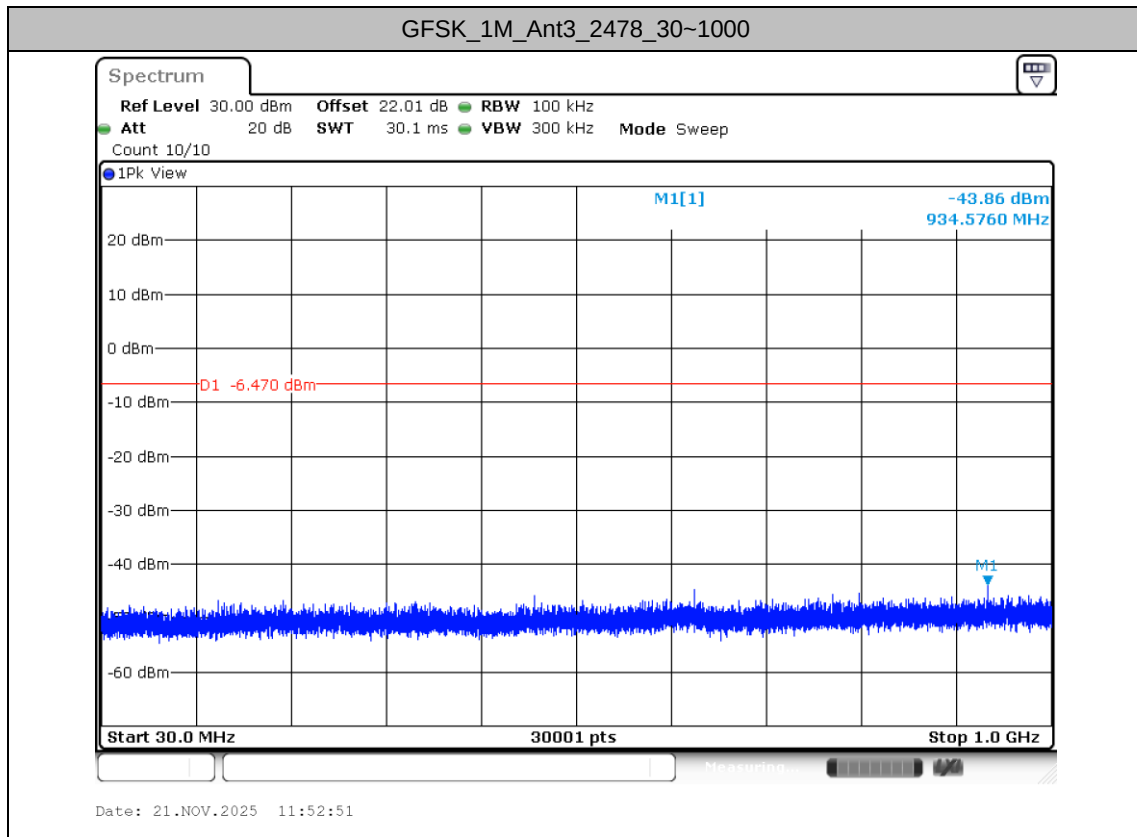


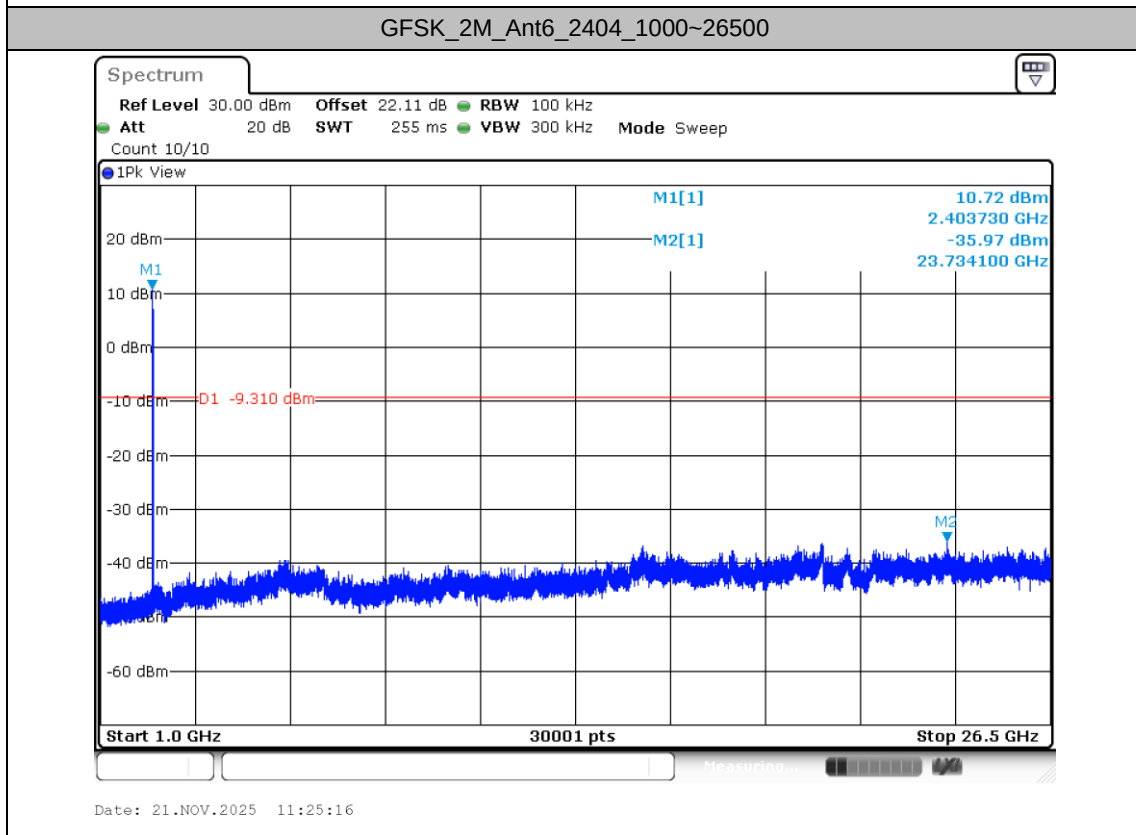
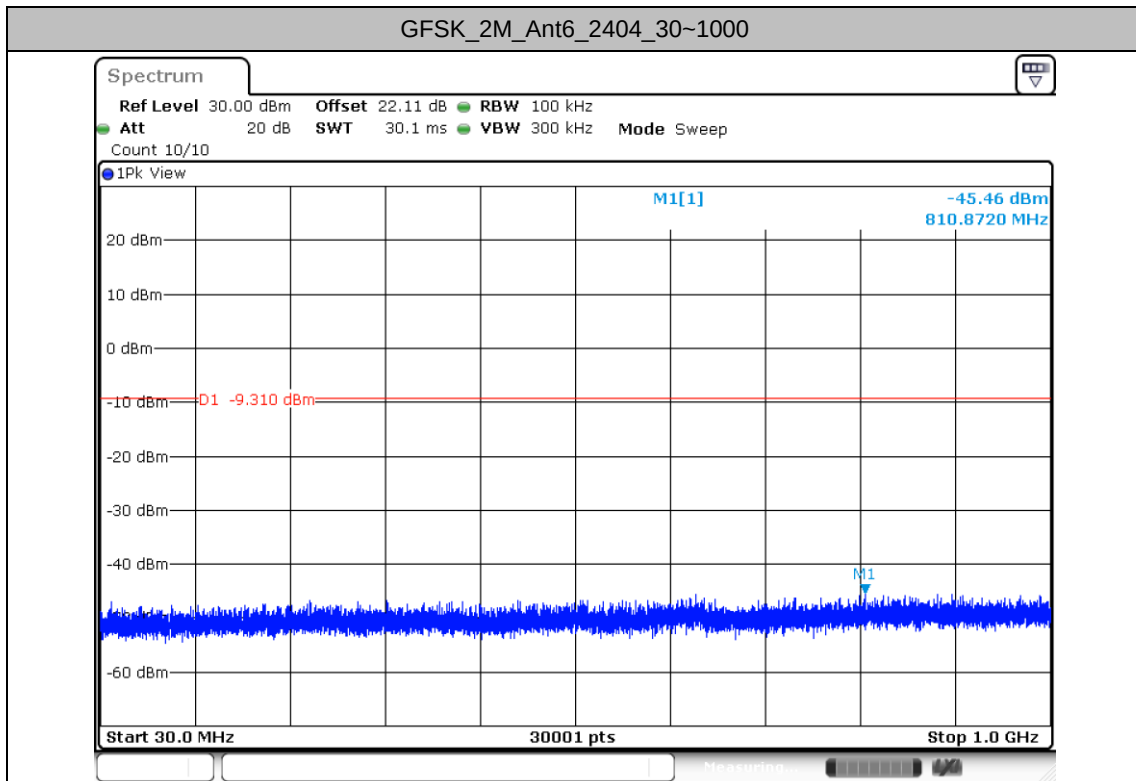


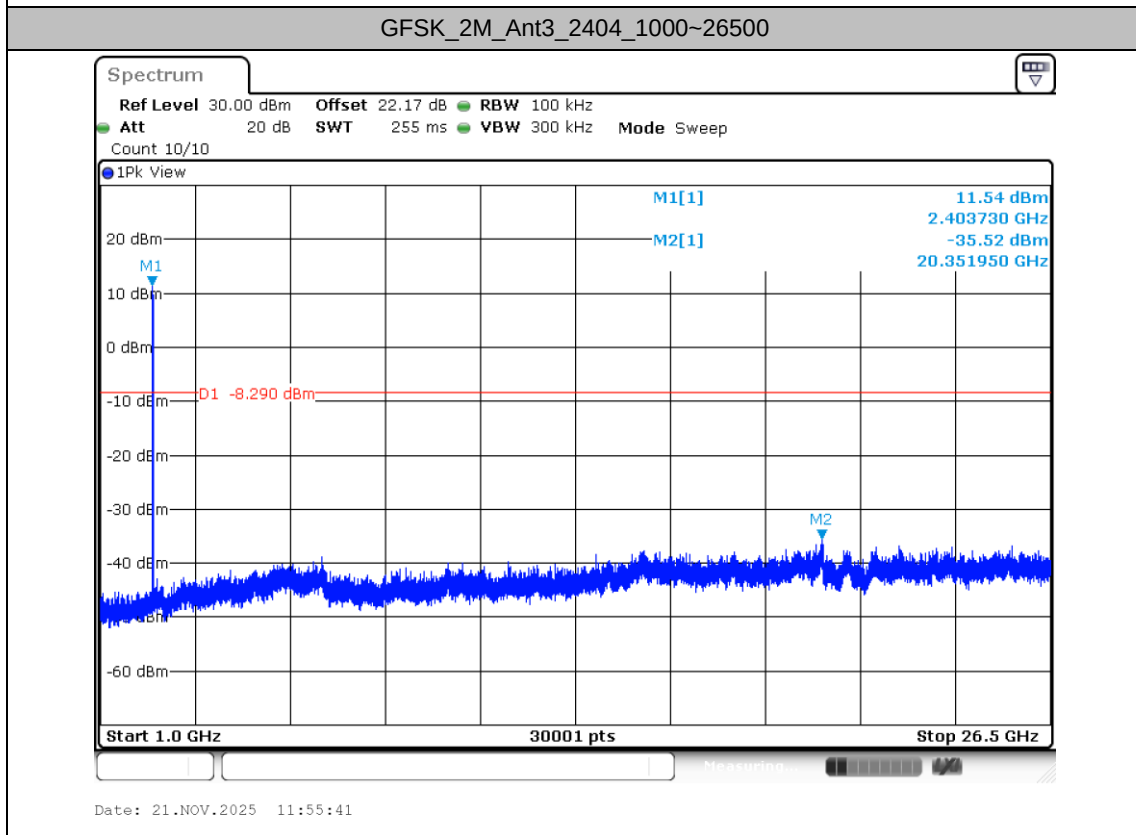
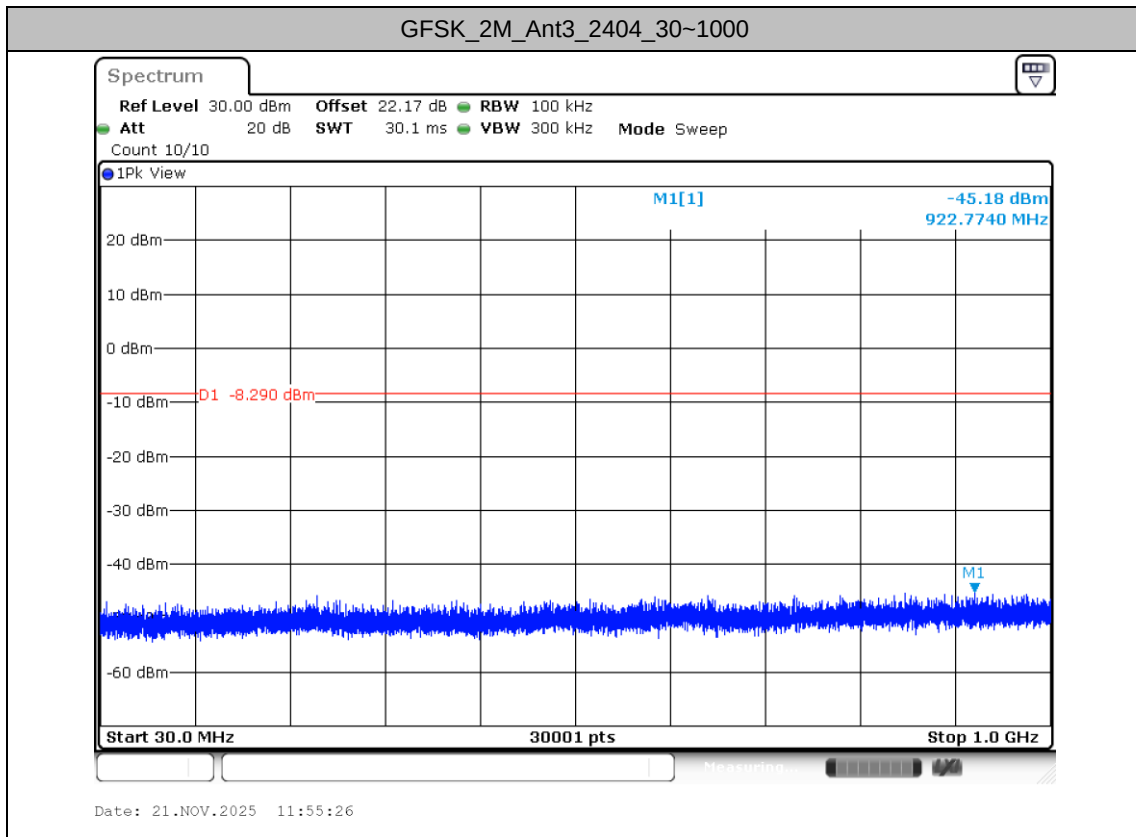


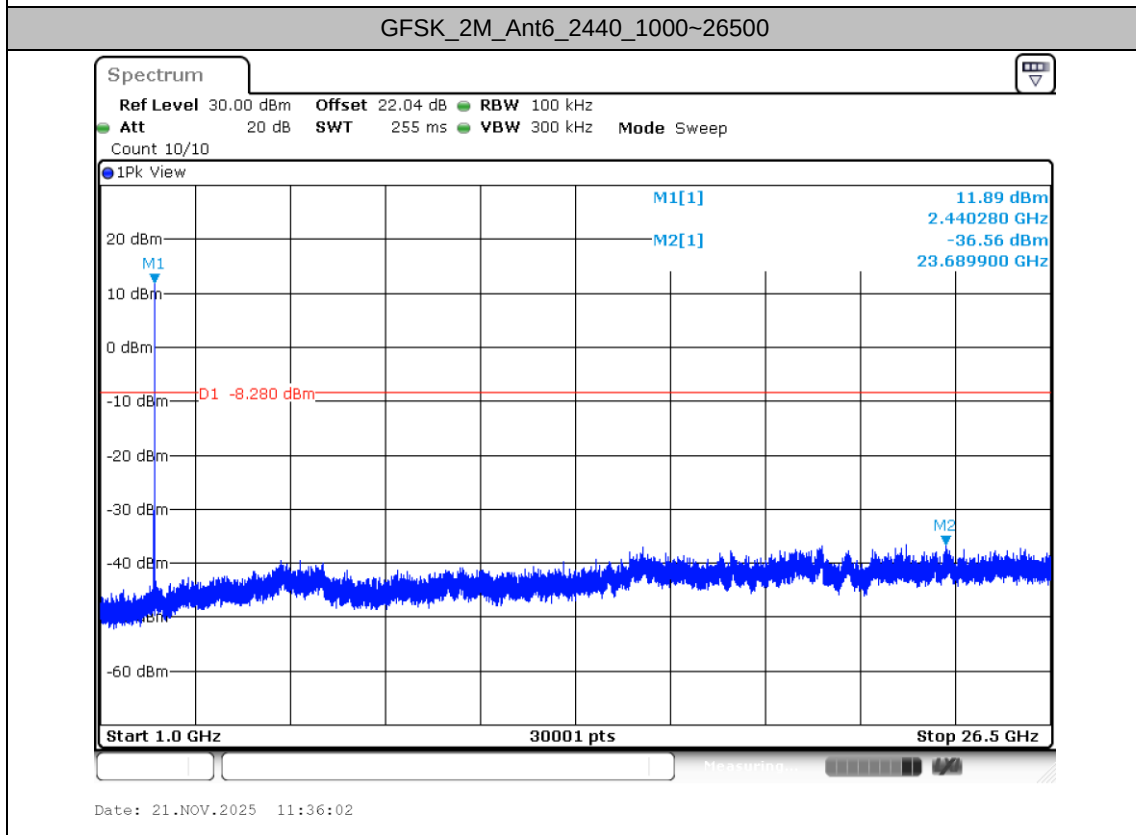
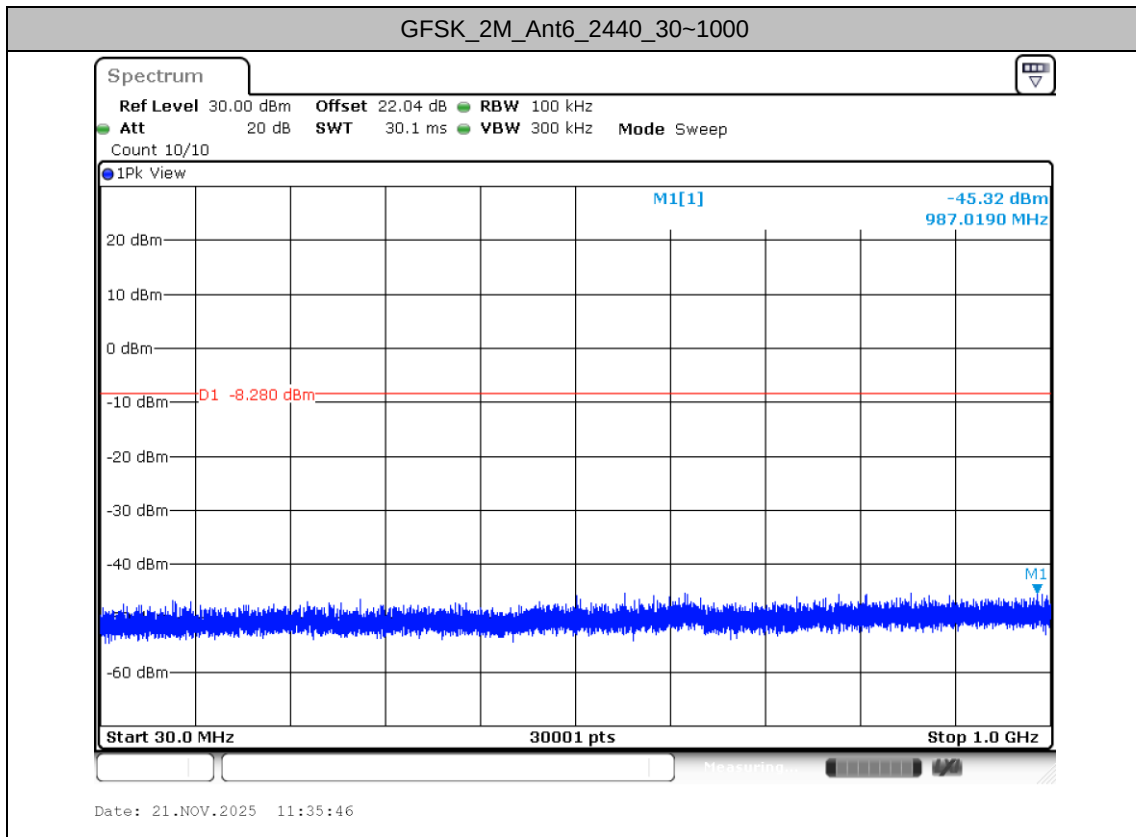


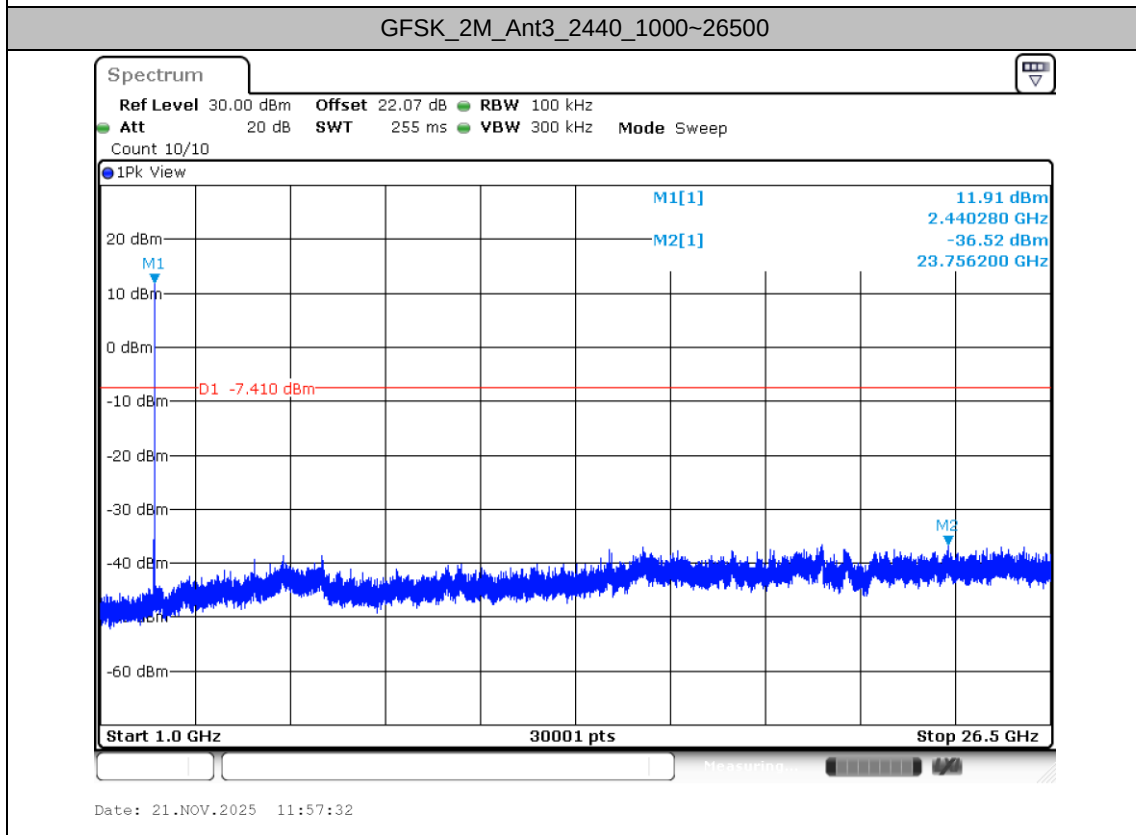
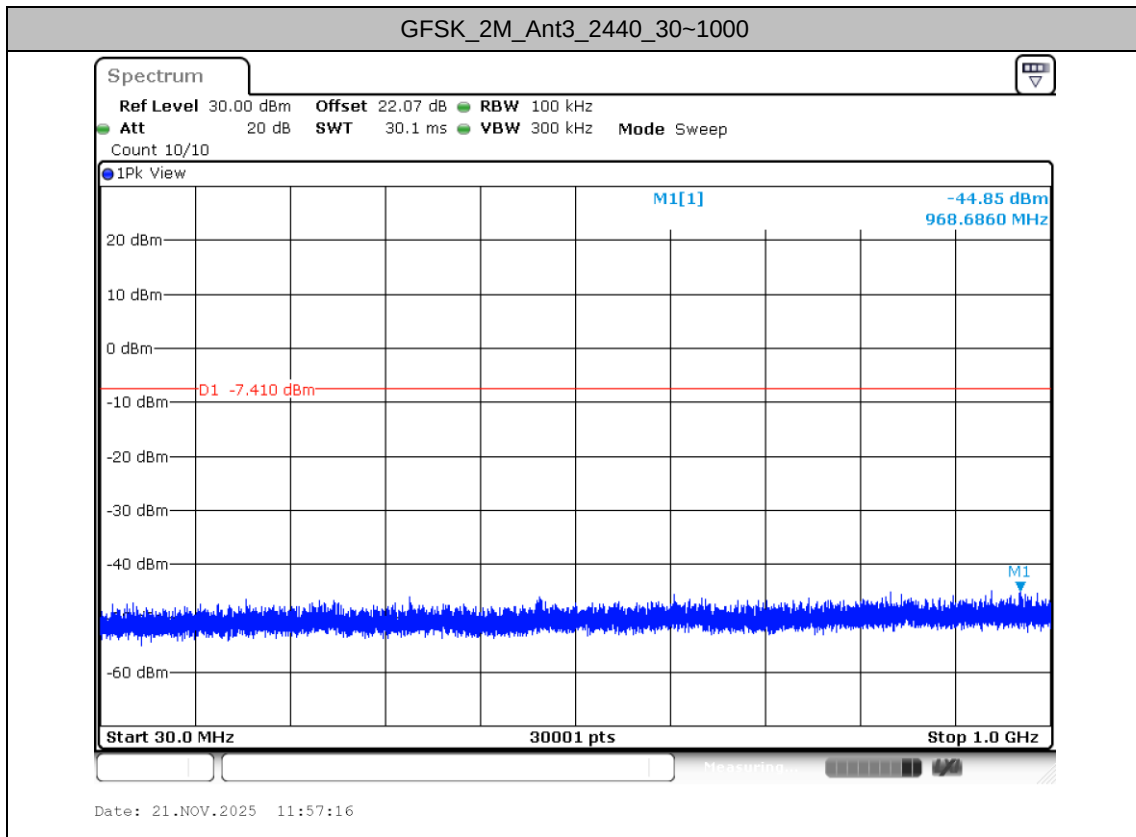


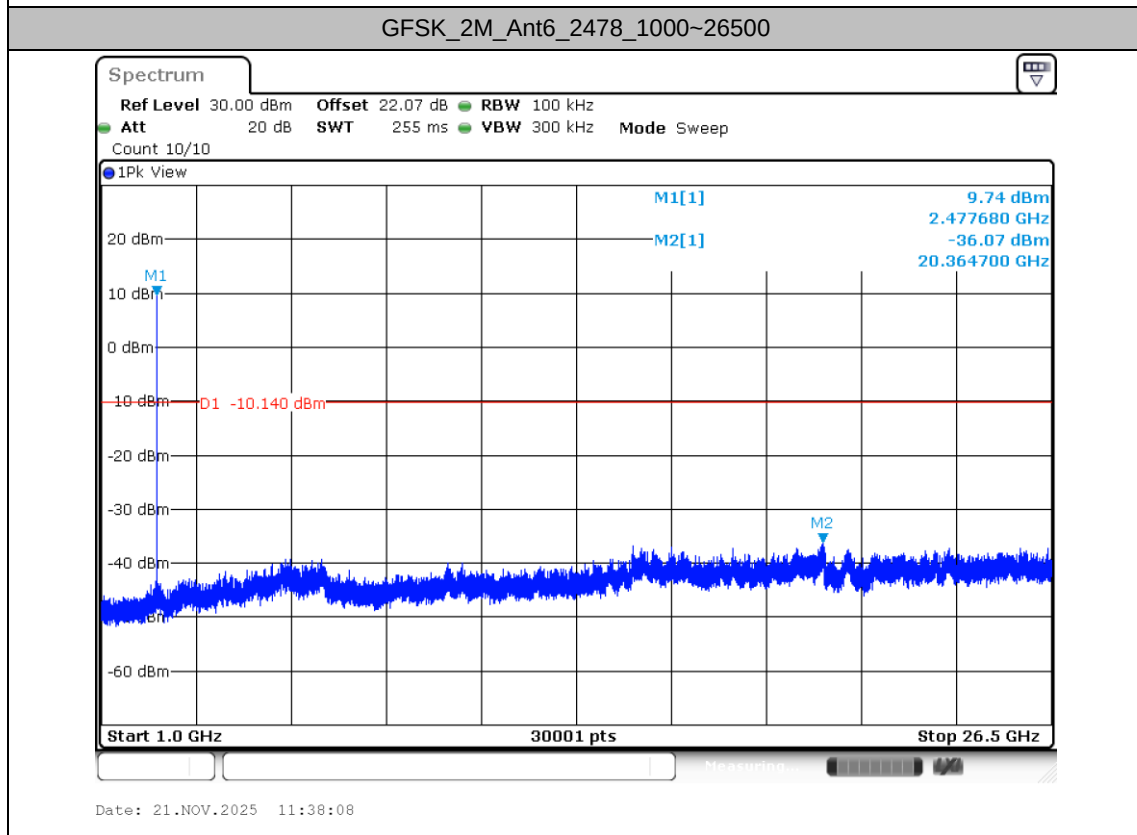
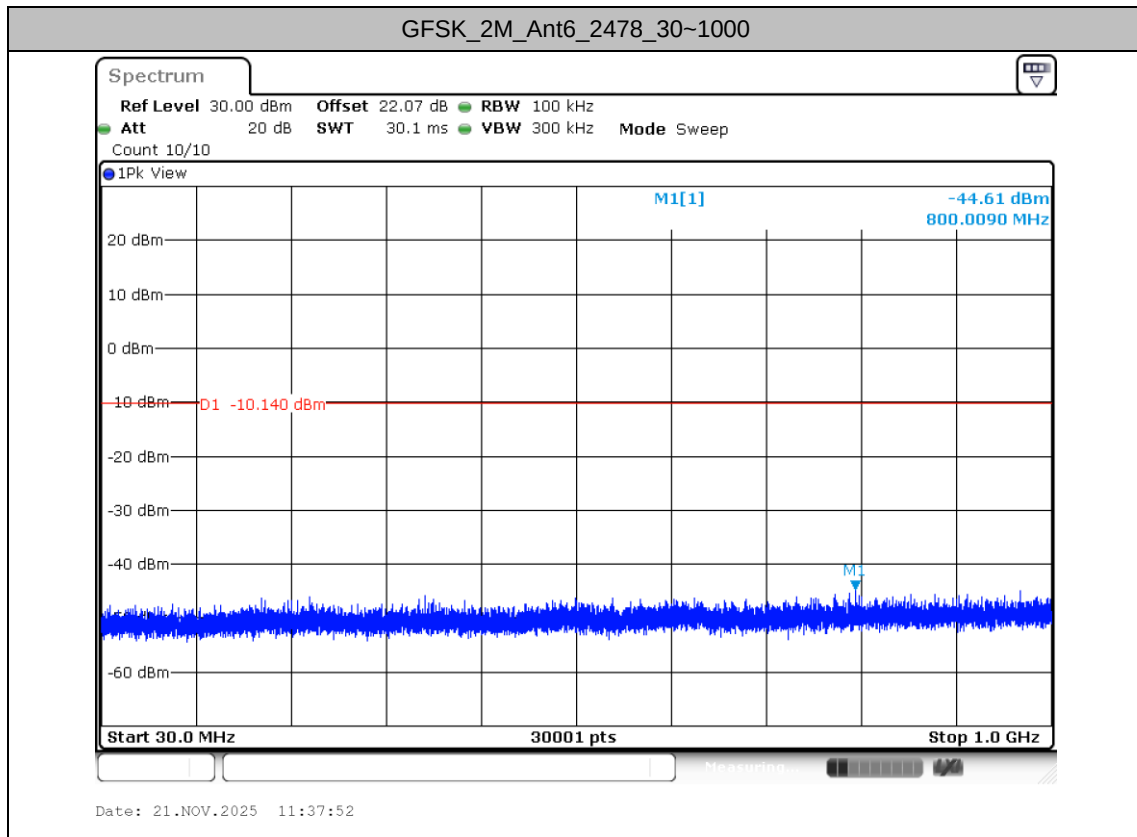


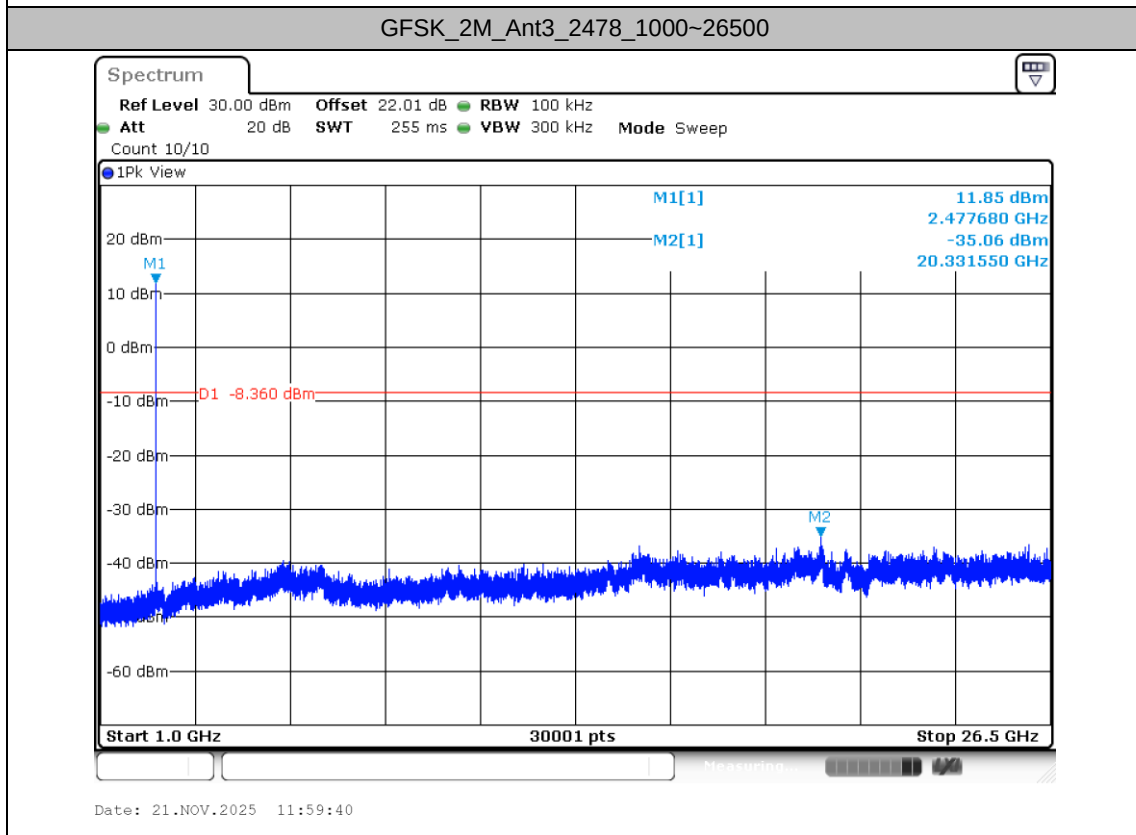
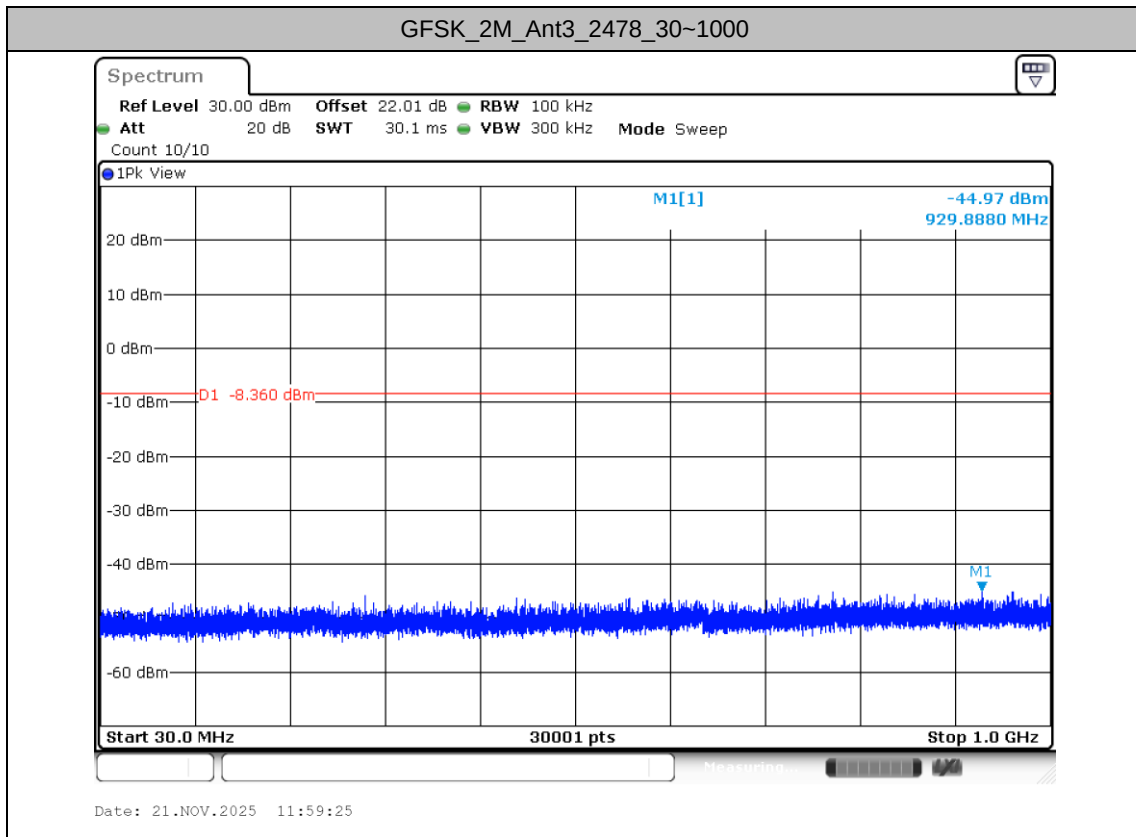














<BLE CS GFSK MIMO>

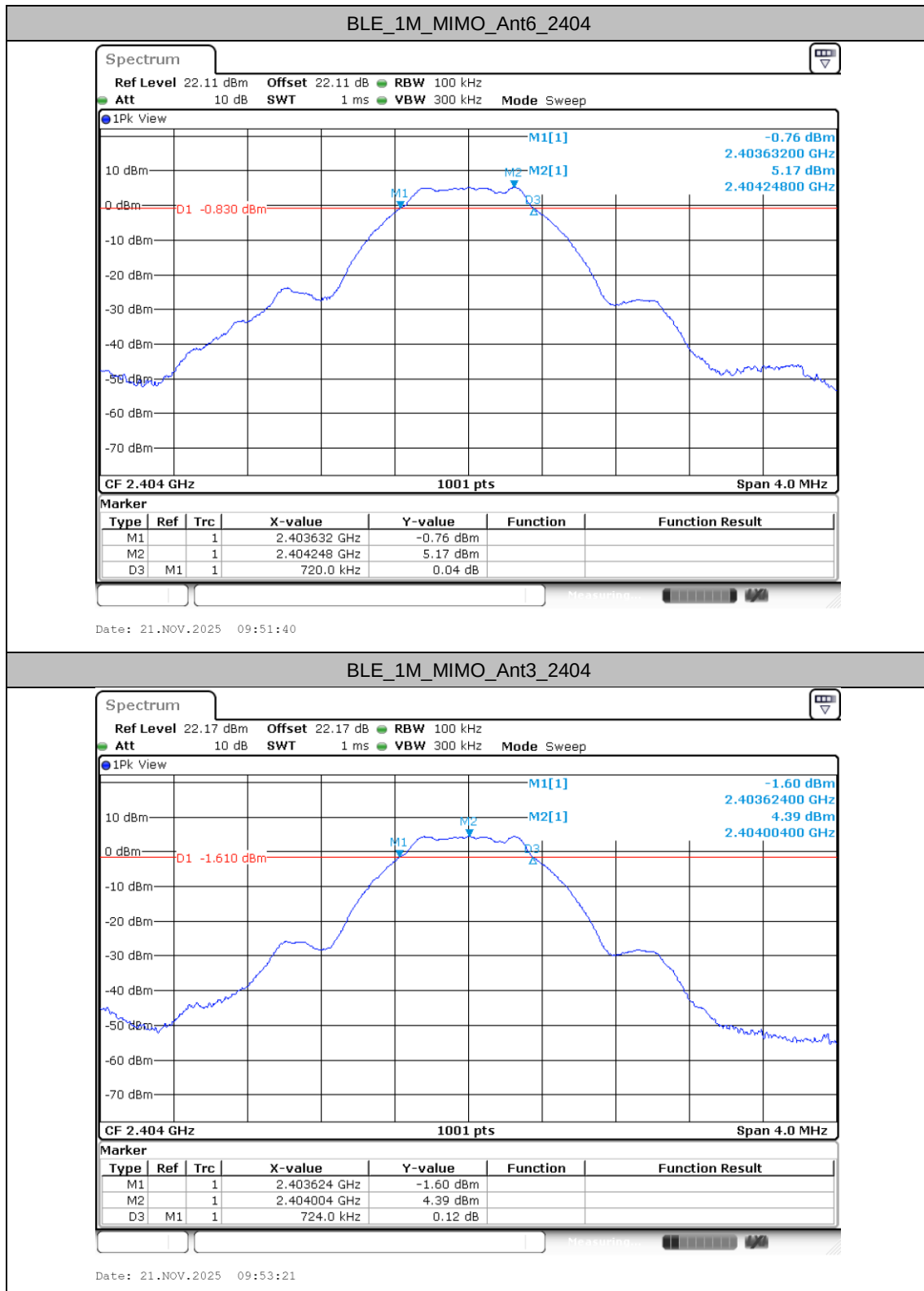
DTS Bandwidth

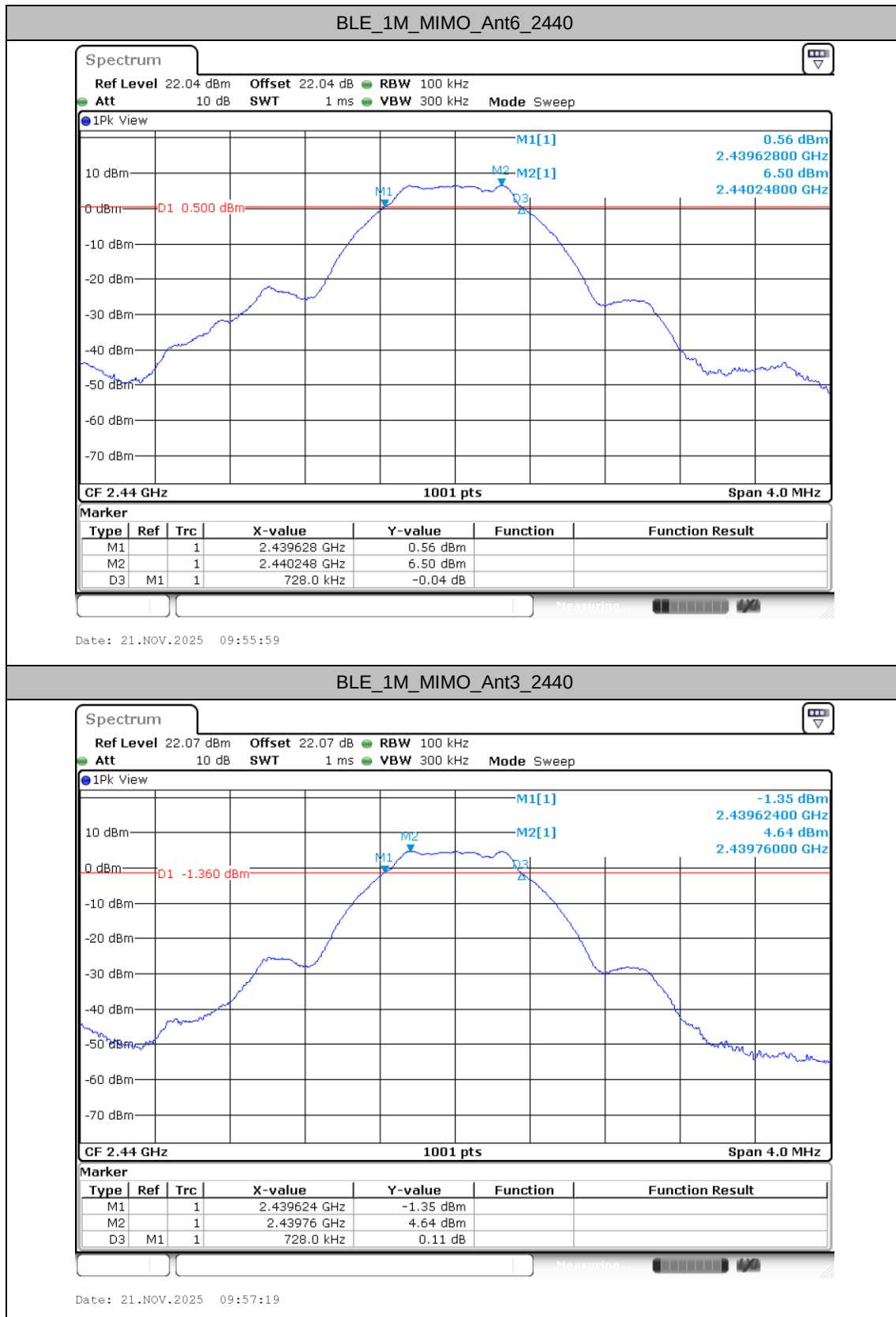
Test Result

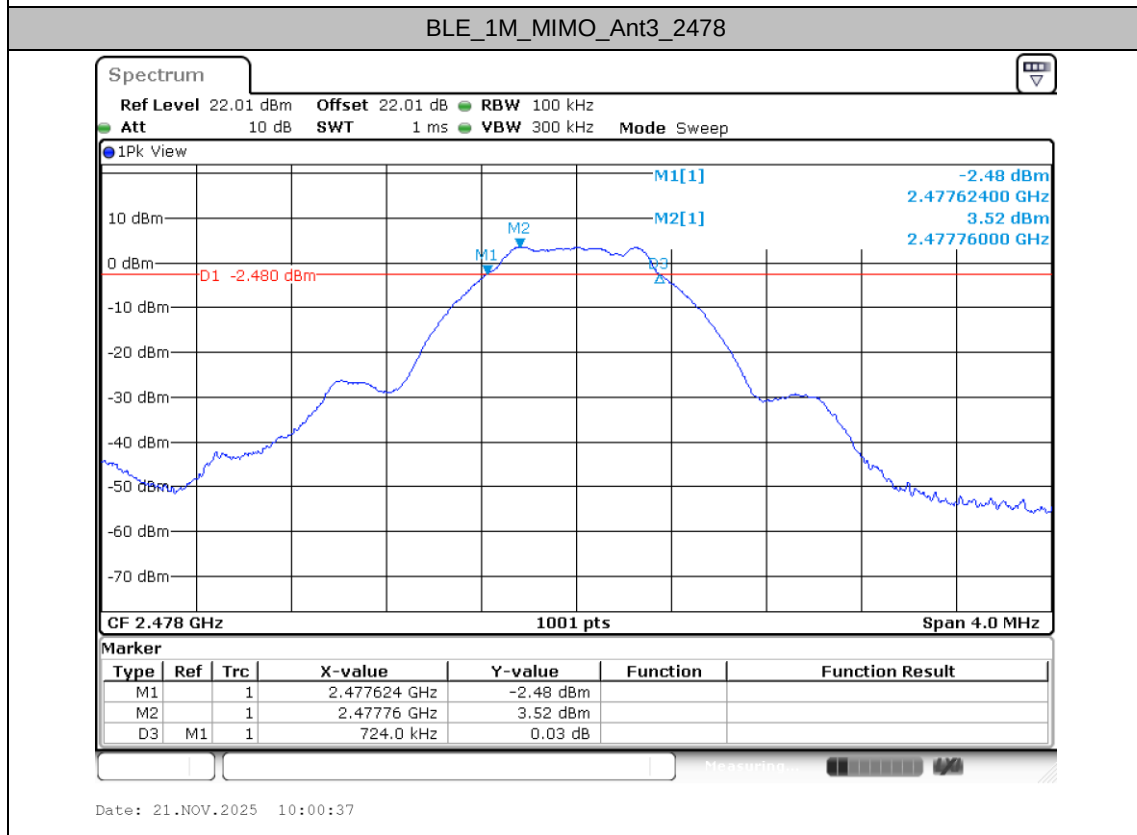
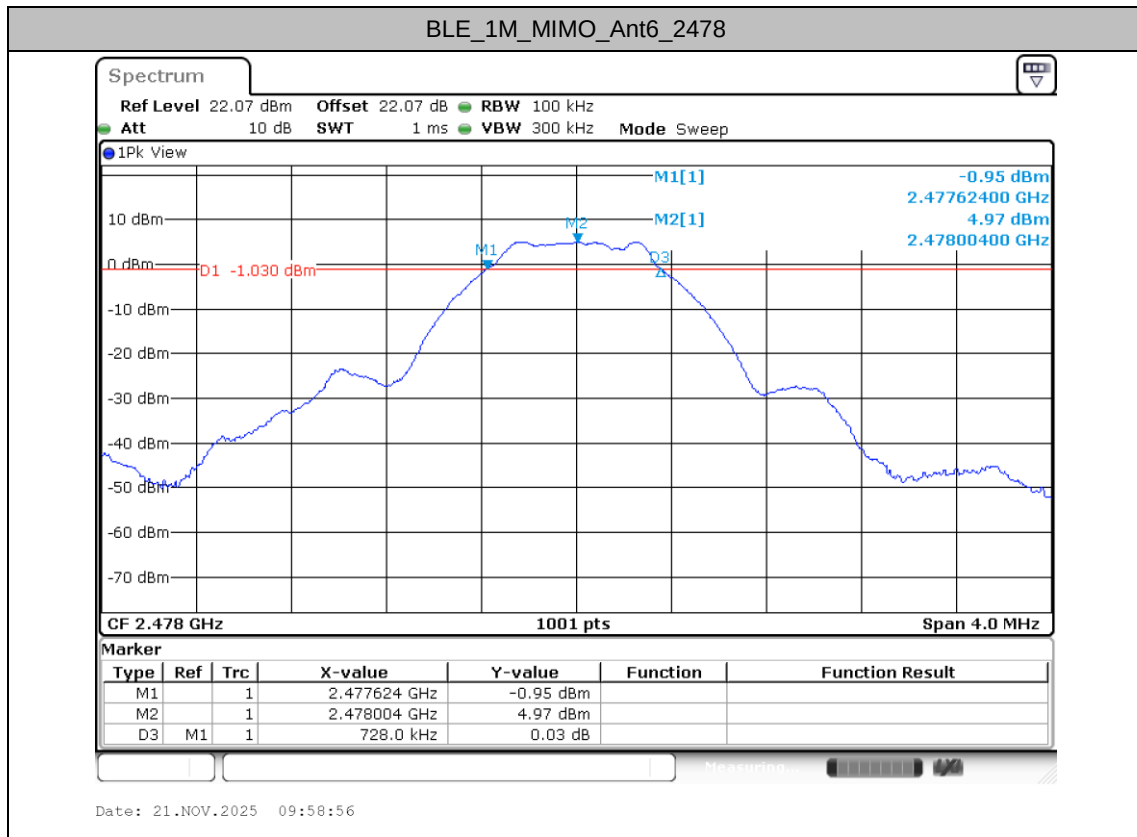
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M_MIMO	Ant6	2404	0.72	2403.63	2404.35	0.5	PASS
	Ant3	2404	0.72	2403.62	2404.35	0.5	PASS
	Ant6	2440	0.73	2439.63	2440.36	0.5	PASS
	Ant3	2440	0.73	2439.62	2440.35	0.5	PASS
	Ant6	2478	0.73	2477.62	2478.35	0.5	PASS
	Ant3	2478	0.72	2477.62	2478.35	0.5	PASS
BLE_2M_MIMO	Ant6	2404	1.37	2403.32	2404.69	0.5	PASS
	Ant3	2404	1.37	2403.31	2404.68	0.5	PASS
	Ant6	2440	1.37	2439.31	2440.68	0.5	PASS
	Ant3	2440	1.38	2439.31	2440.68	0.5	PASS
	Ant6	2478	1.37	2477.31	2478.68	0.5	PASS
	Ant3	2478	1.37	2477.31	2478.68	0.5	PASS

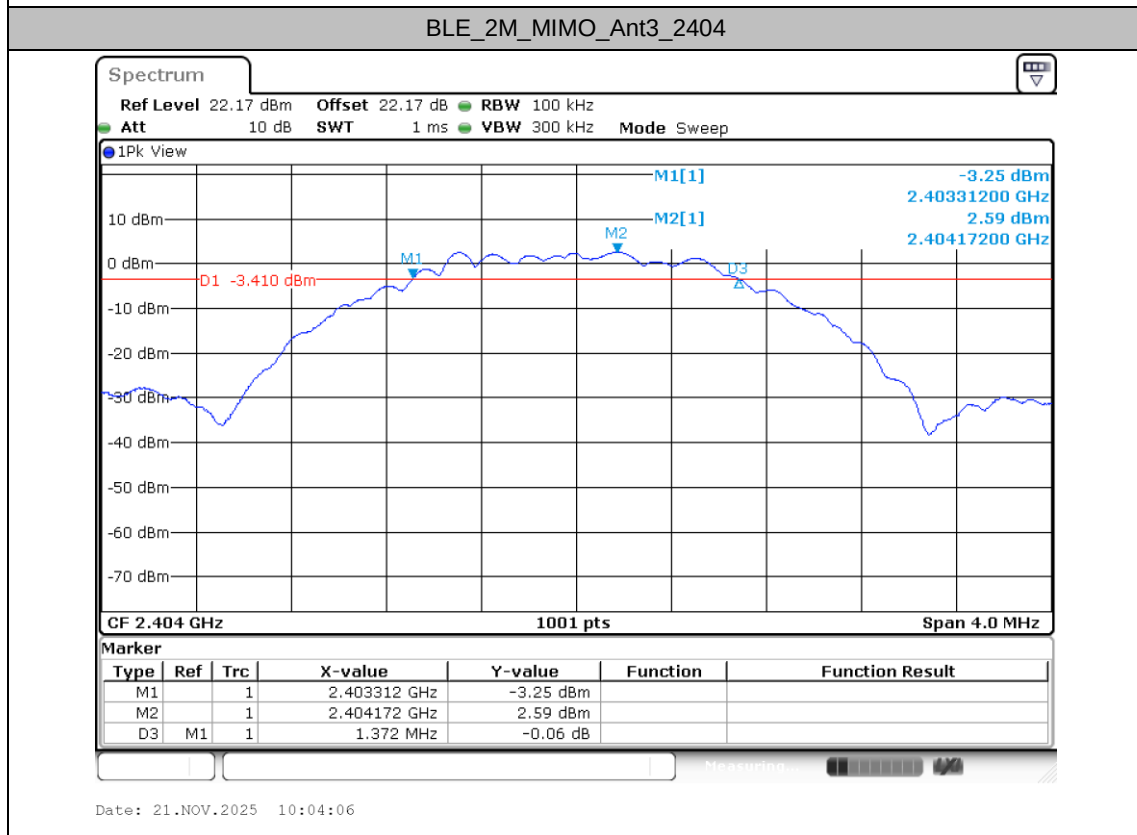
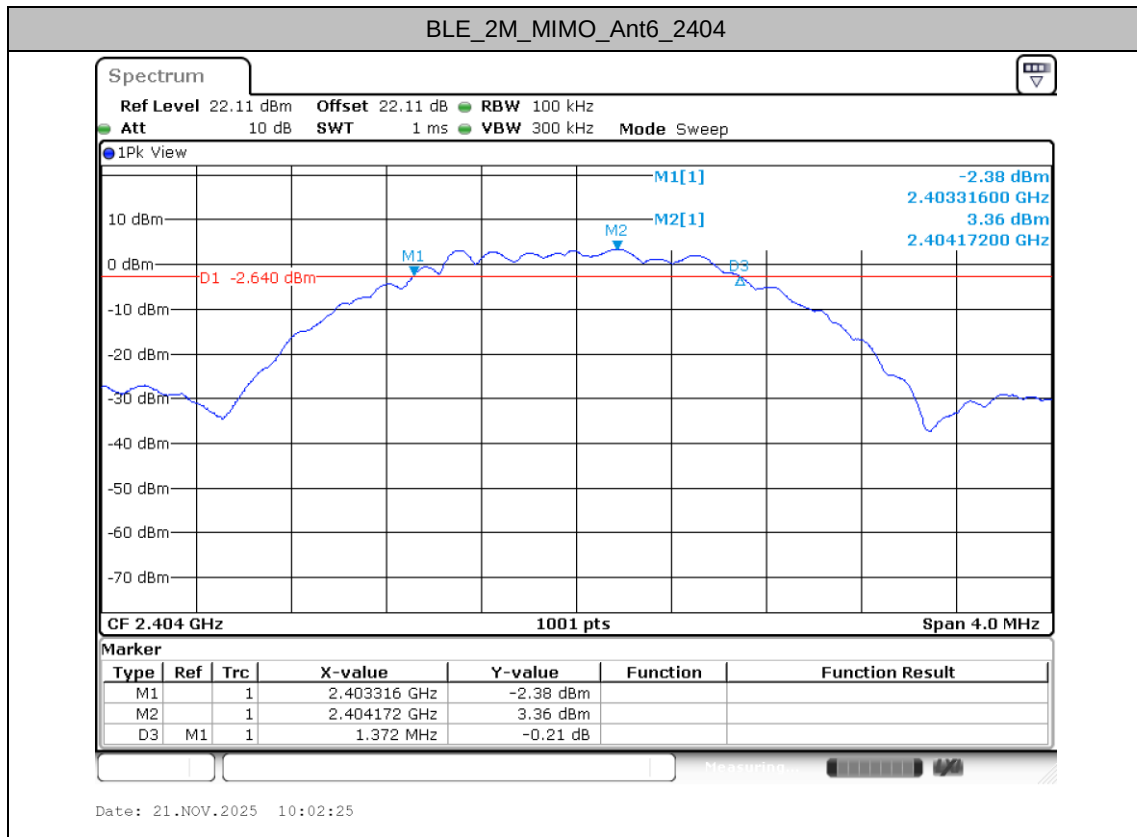


Test Graphs

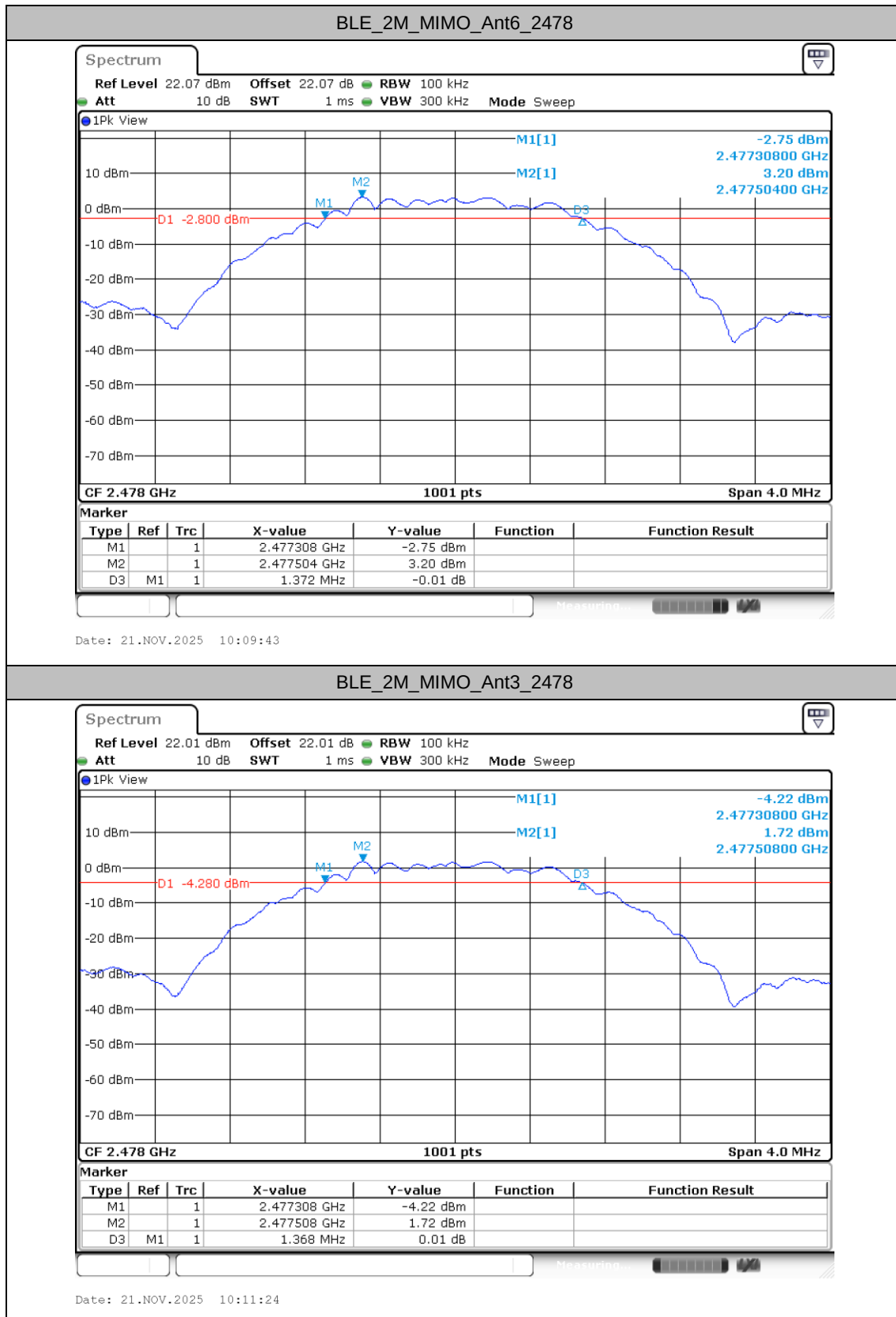














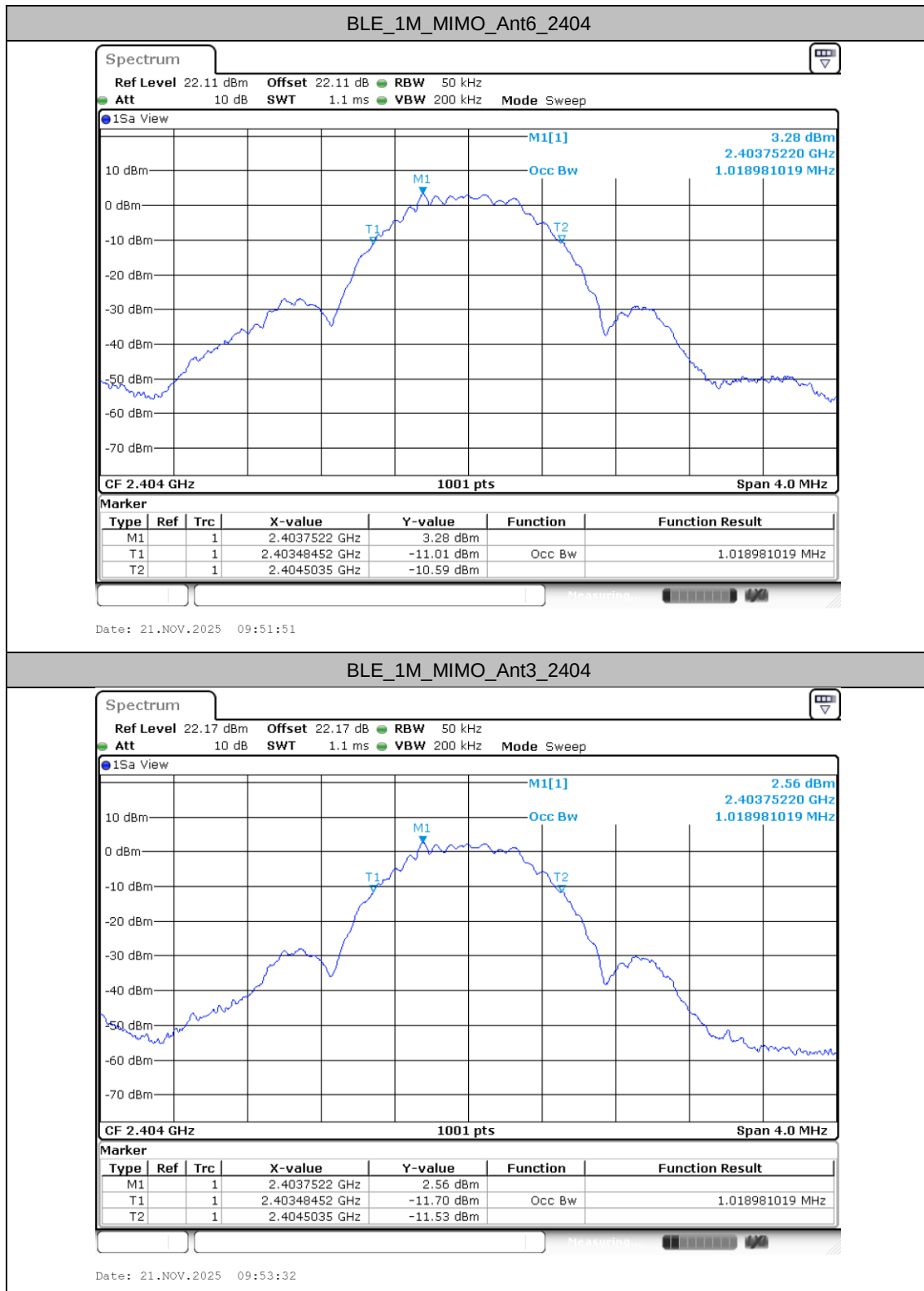
Occupied Channel Bandwidth

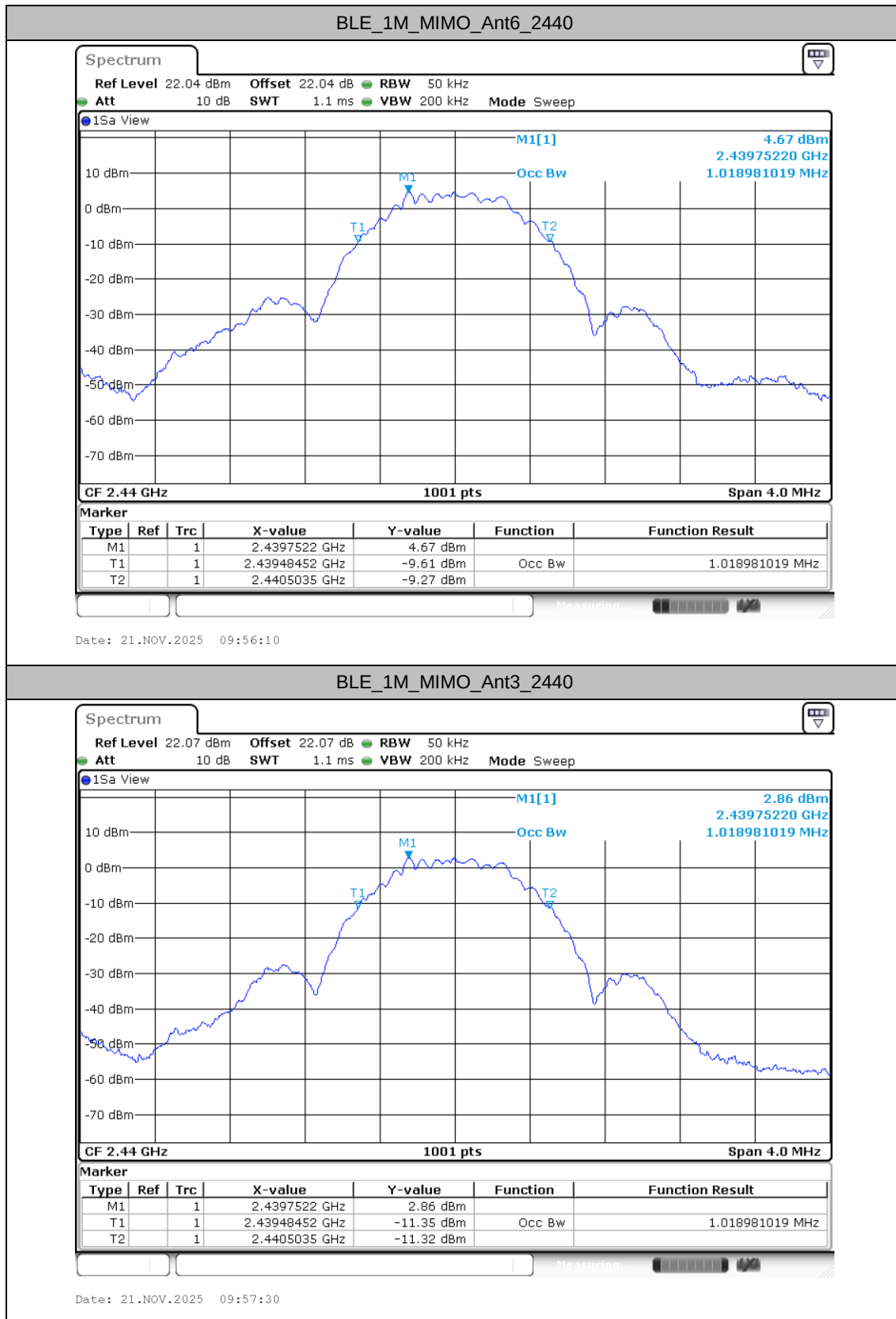
Test Result

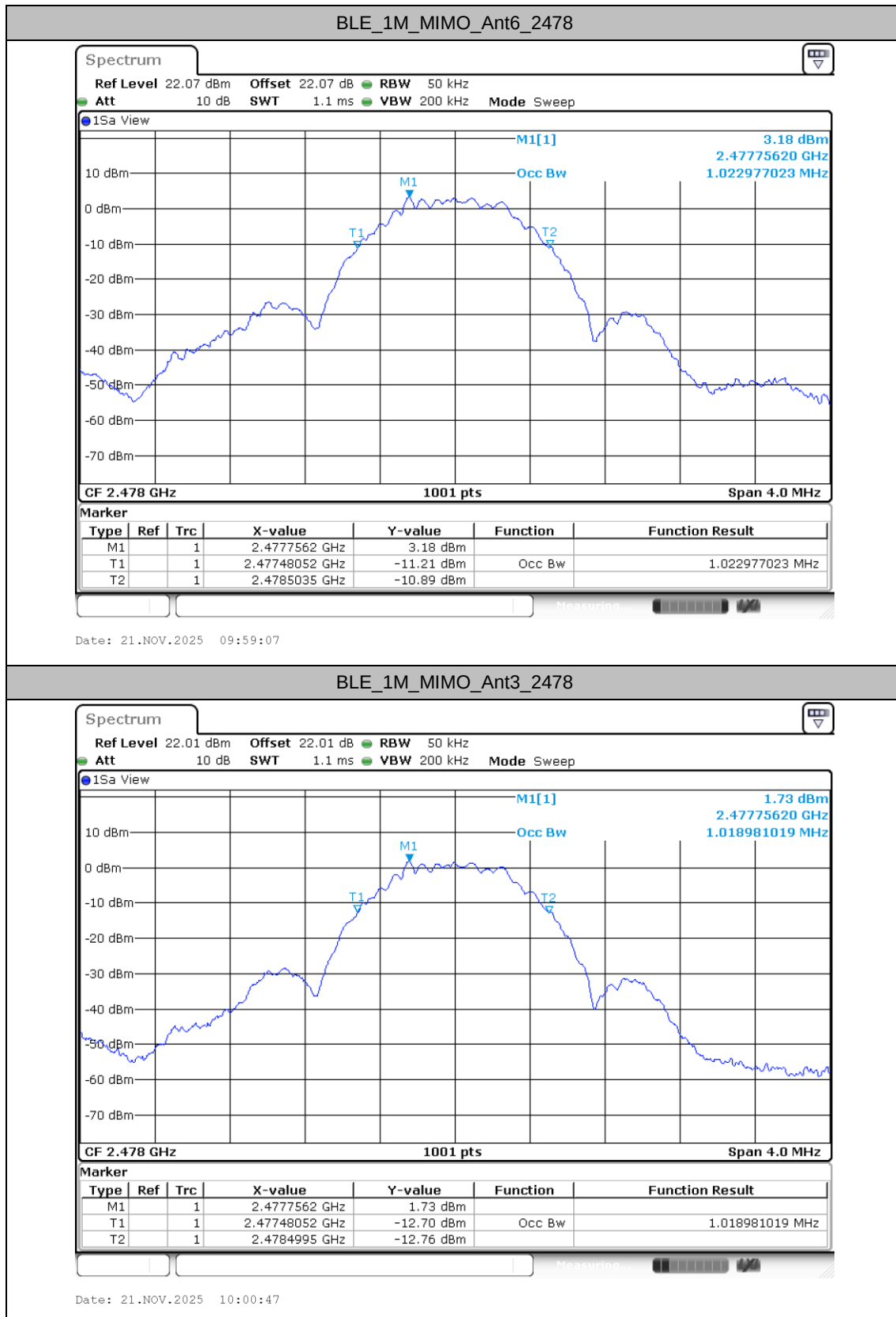
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M_MIMO	Ant6	2404	1.019	2403.4845	2404.5035
	Ant3	2404	1.019	2403.4845	2404.5035
	Ant6	2440	1.019	2439.4845	2440.5035
	Ant3	2440	1.019	2439.4845	2440.5035
	Ant6	2478	1.023	2477.4805	2478.5035
	Ant3	2478	1.019	2477.4805	2478.4995
BLE_2M_MIMO	Ant6	2404	2.038	2402.9890	2405.0270
	Ant3	2404	2.042	2402.9810	2405.0230
	Ant6	2440	2.042	2438.9810	2441.0230
	Ant3	2440	2.038	2438.9810	2441.0190
	Ant6	2478	2.046	2476.9730	2479.0190
	Ant3	2478	2.038	2476.9770	2479.0150

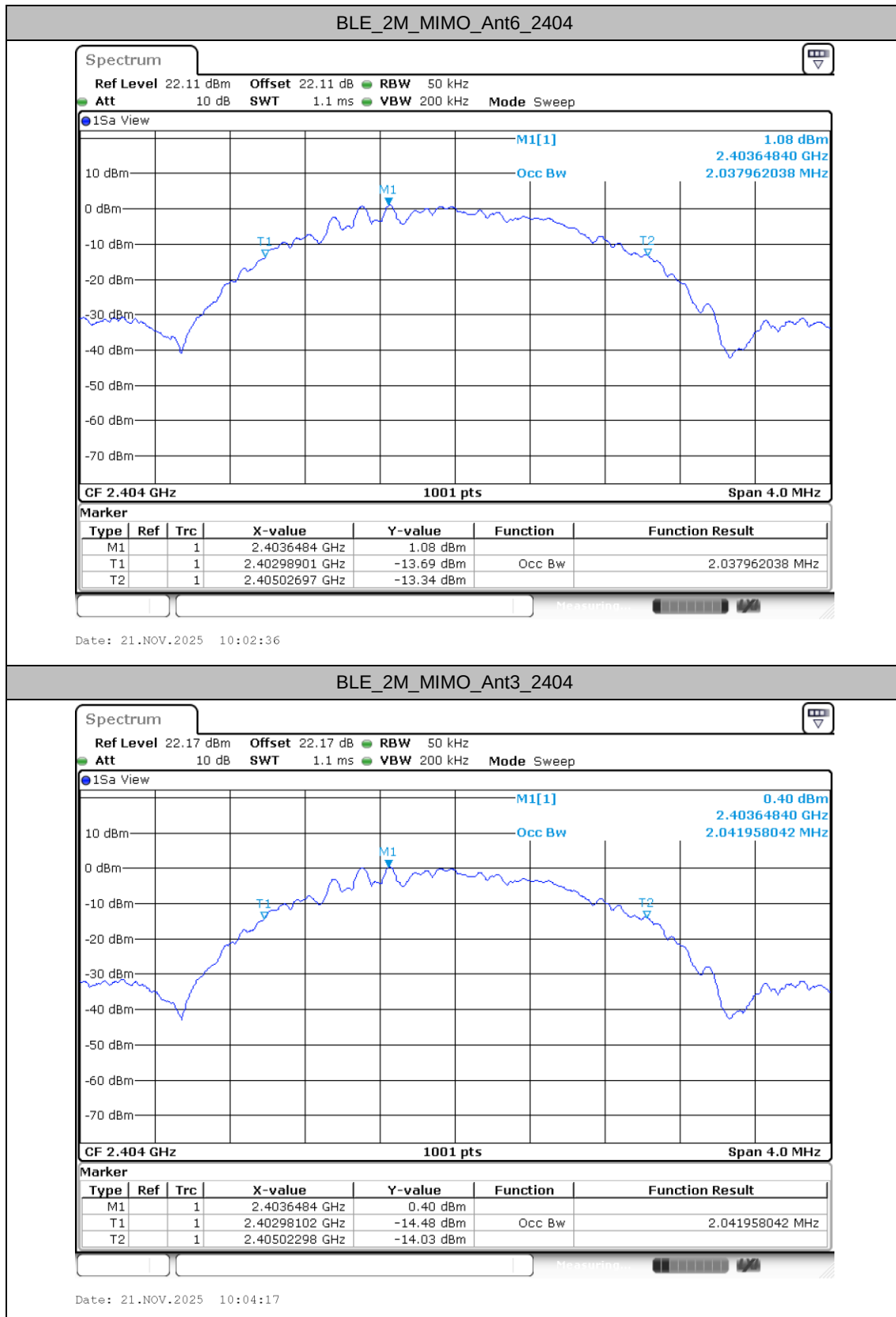


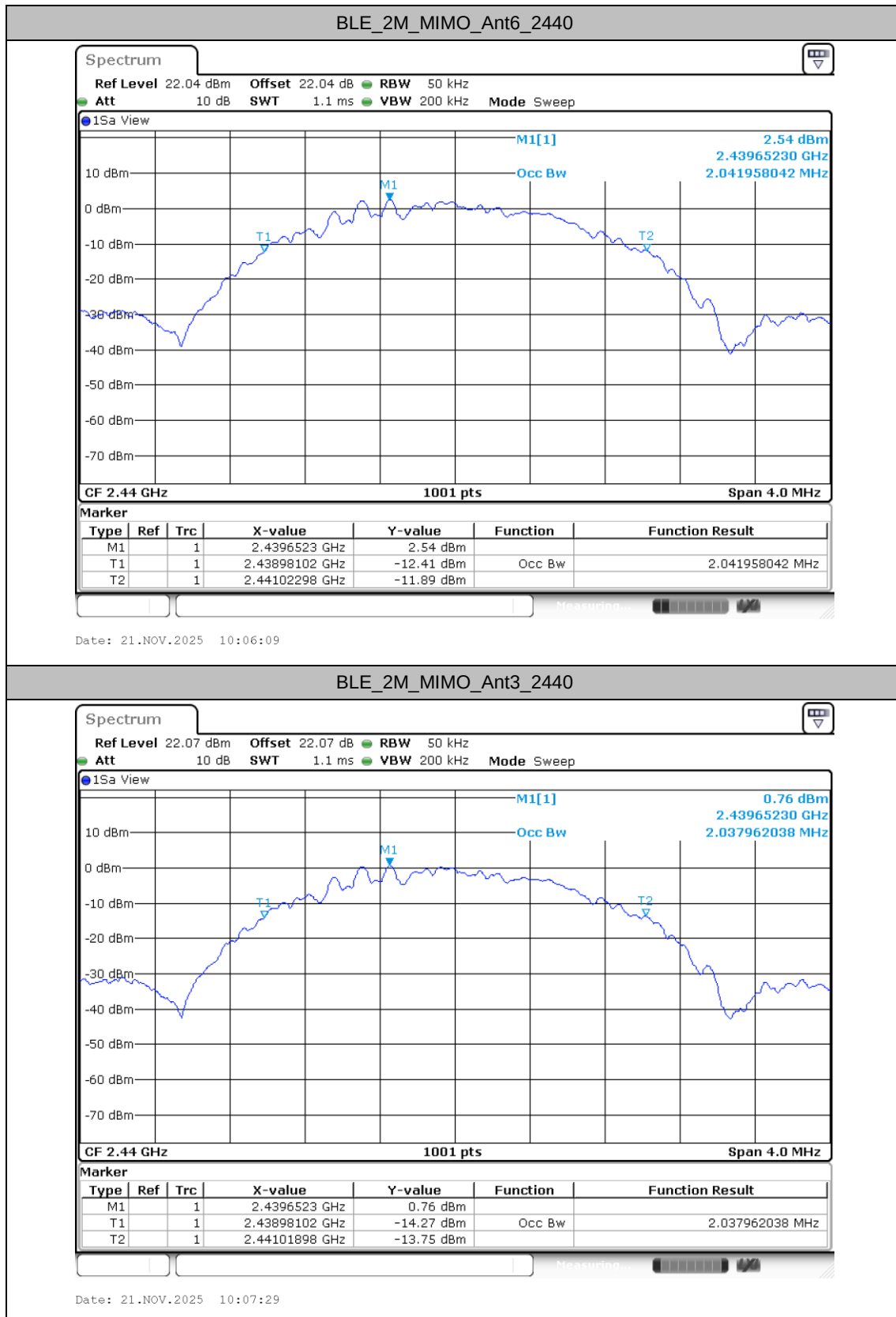
Test Graphs

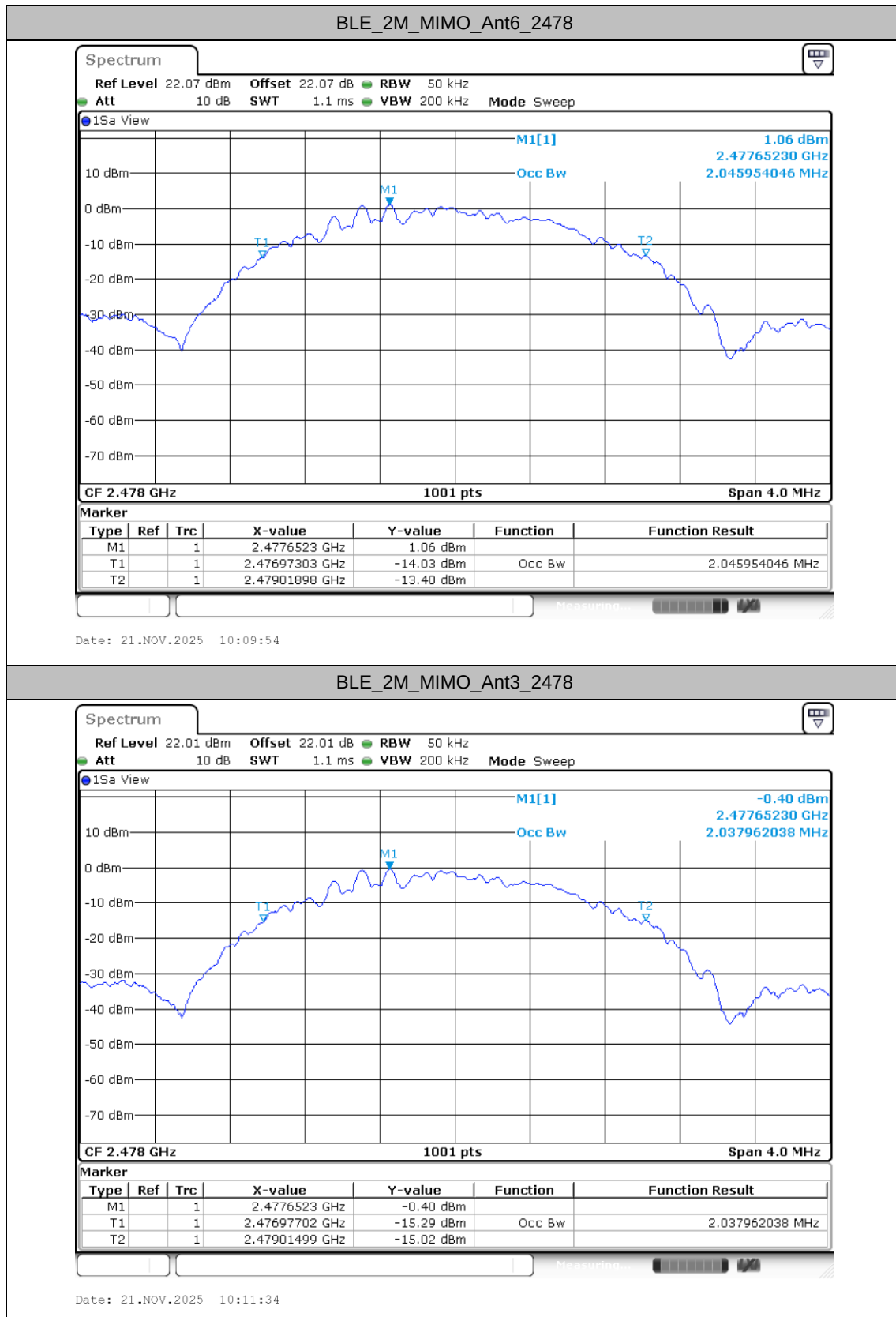












Maximum conducted output power

Test Result Peak

TestMode	CH.	Peak Power (dBm)	Peak Power (dBm)	Peak Power (dBm)	Conducted Power Limit	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit	Pass/Fail	Power Setting
		Ant 6	Ant 3	Ant 6+3						
GFSK_1M	2	6.17	5.87	9.03	30.00	-3.34	5.69	36	Pass	10
	38	8.49	6.72	10.70	30.00	-3.34	7.36	36	Pass	10
	76	6.93	5.72	9.38	30.00	-3.34	6.04	36	Pass	10
GFSK_2M	2	6.91	6.31	9.63	30.00	-3.34	6.29	36	Pass	10
	38	8.48	6.73	10.70	30.00	-3.34	7.36	36	Pass	10
	76	7.08	5.77	9.48	30.00	-3.34	6.14	36	Pass	10

Test Result Average

TestMode	CH.	Avg Power (dBm)	Avg Power (dBm)	Avg Power (dBm)	Power Setting
		Ant 6	Ant 3	Ant 6+3	
GFSK_1M	2	5.76	5.33	8.56	10
	38	8.00	6.14	10.18	10
	76	6.45	5.11	8.84	10
GFSK_2M	2	6.62	5.90	9.29	10
	38	8.09	6.25	10.28	10
	76	6.55	5.21	8.94	10



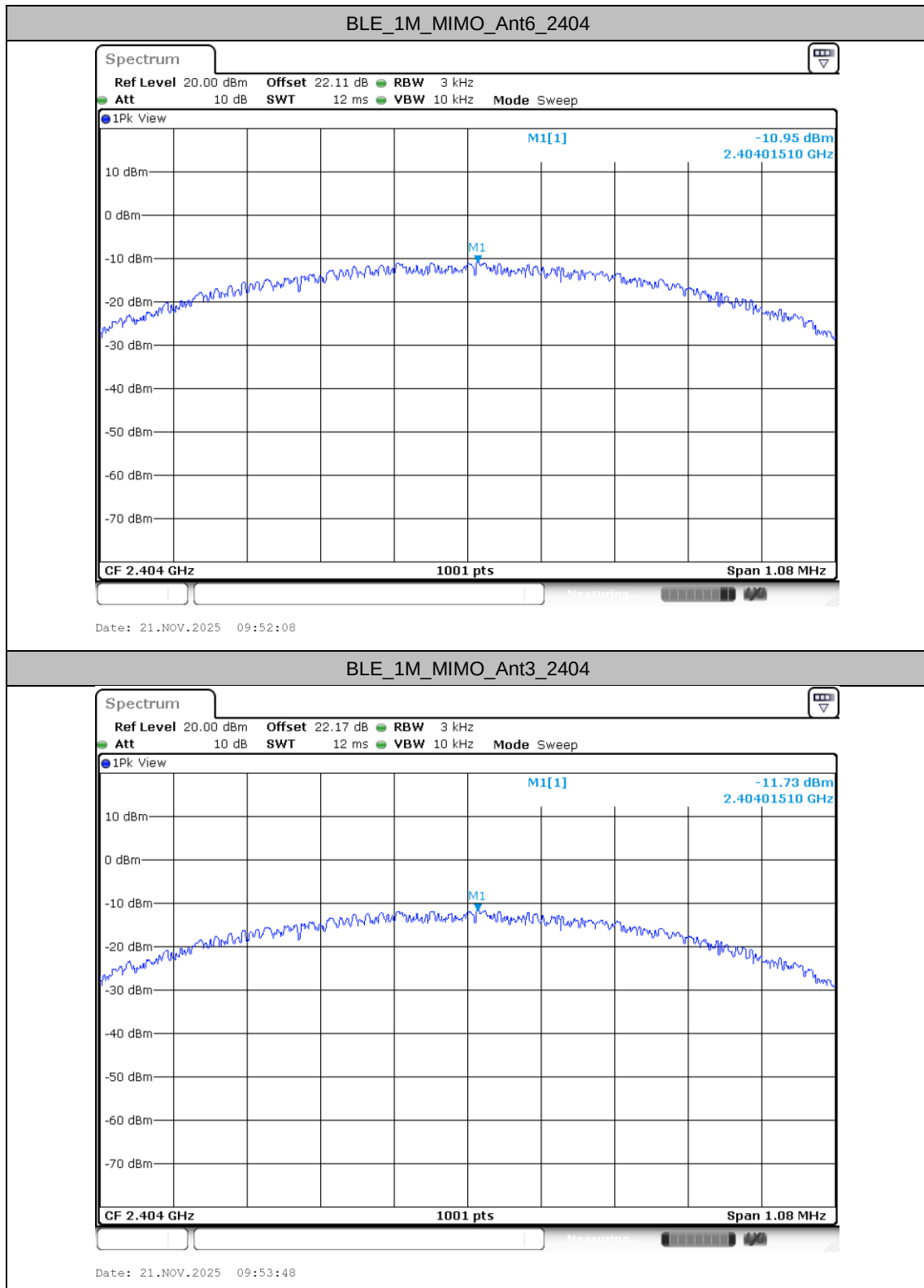
Maximum power spectral density

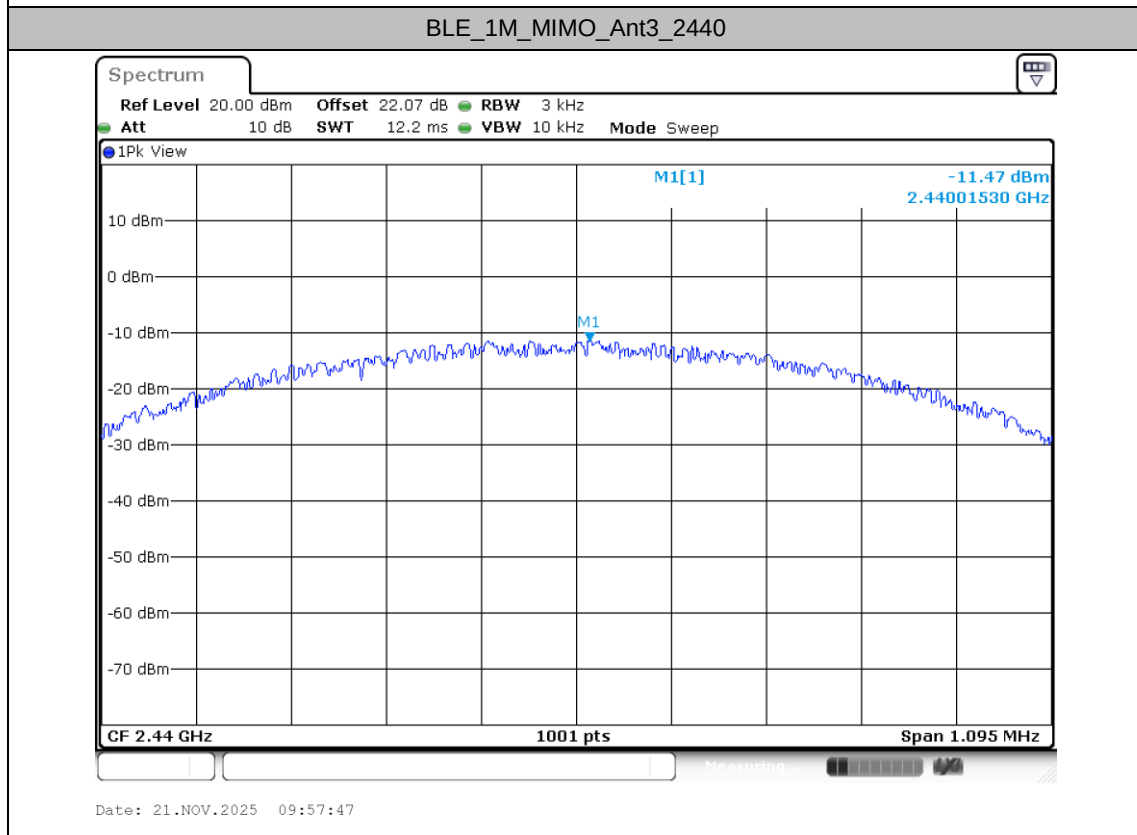
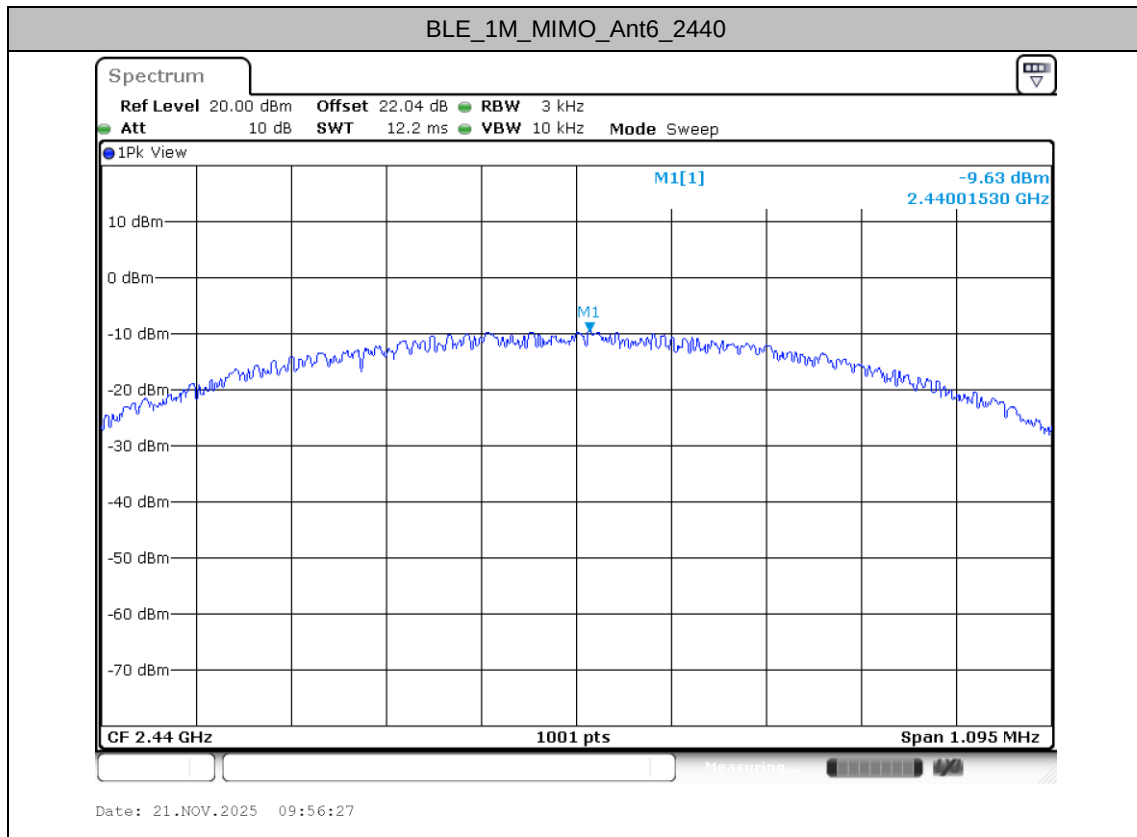
Test Result

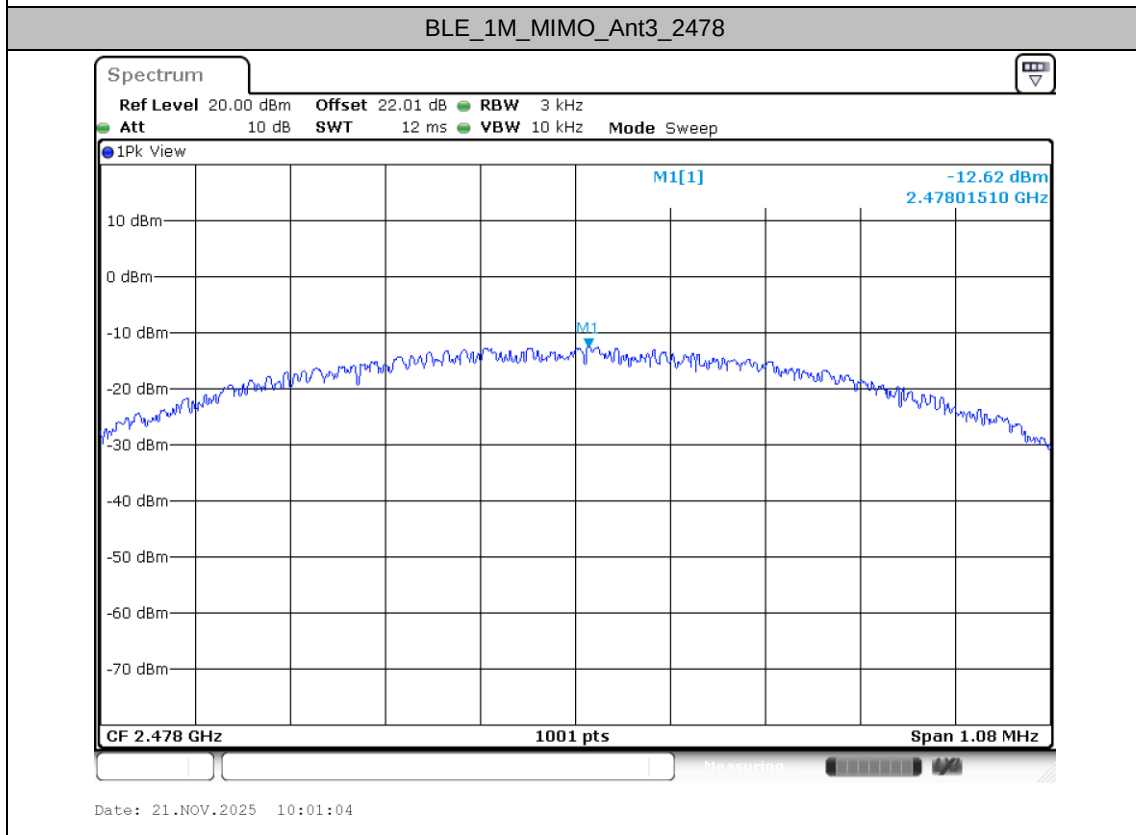
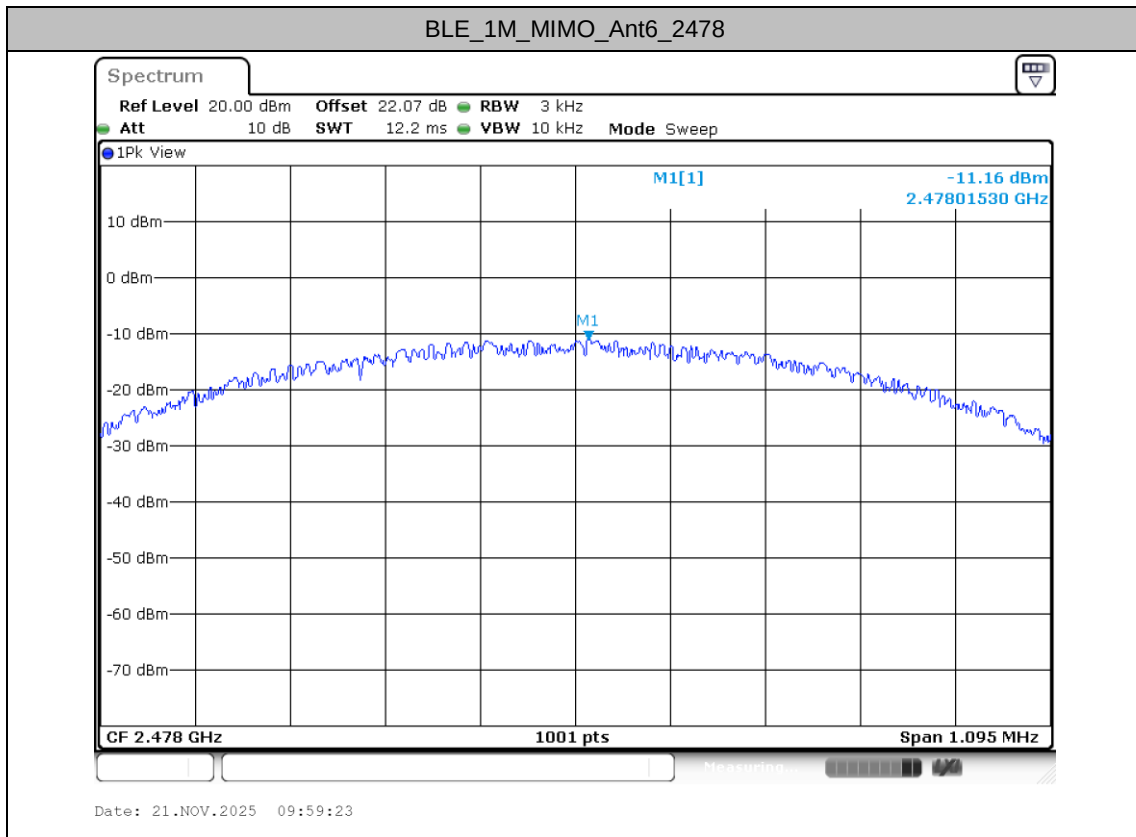
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M_MIMO	Ant6	2404	-10.95	≤8.00	PASS
	Ant3	2404	-11.73	≤8.00	PASS
	total	2404	-8.31	≤8.00	PASS
	Ant6	2440	-9.63	≤8.00	PASS
	Ant3	2440	-11.47	≤8.00	PASS
	total	2440	-7.44	≤8.00	PASS
	Ant6	2478	-11.16	≤8.00	PASS
	Ant3	2478	-12.62	≤8.00	PASS
	total	2478	-8.82	≤8.00	PASS
BLE_2M_MIMO	Ant6	2404	-16.24	≤8.00	PASS
	Ant3	2404	-17.03	≤8.00	PASS
	total	2404	-13.61	≤8.00	PASS
	Ant6	2440	-14.91	≤8.00	PASS
	Ant3	2440	-16.73	≤8.00	PASS
	total	2440	-12.72	≤8.00	PASS
	Ant6	2478	-16.47	≤8.00	PASS
	Ant3	2478	-17.91	≤8.00	PASS
	total	2478	-14.12	≤8.00	PASS

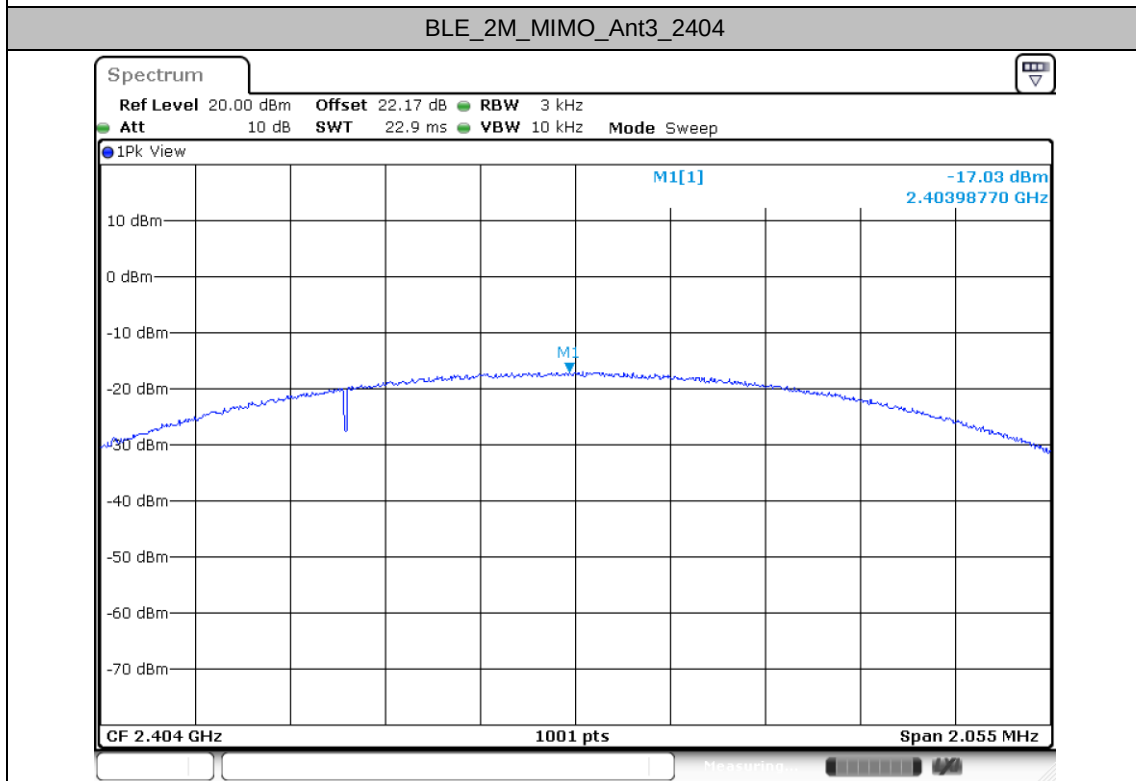
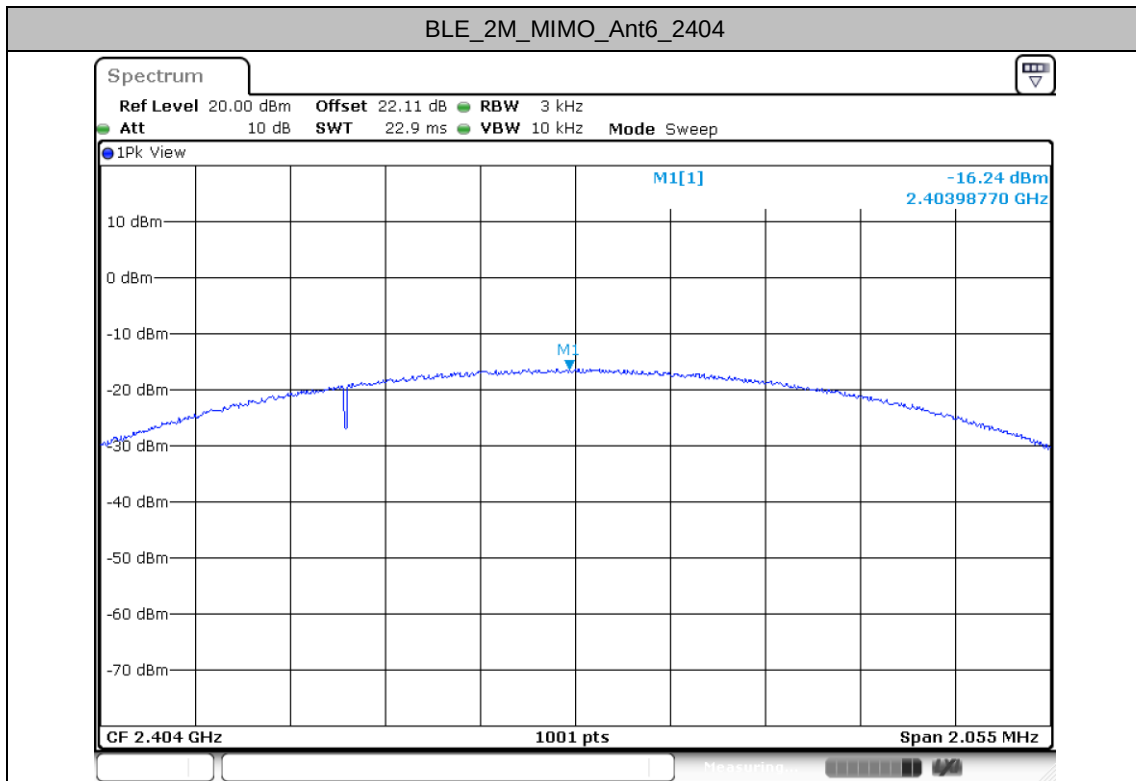


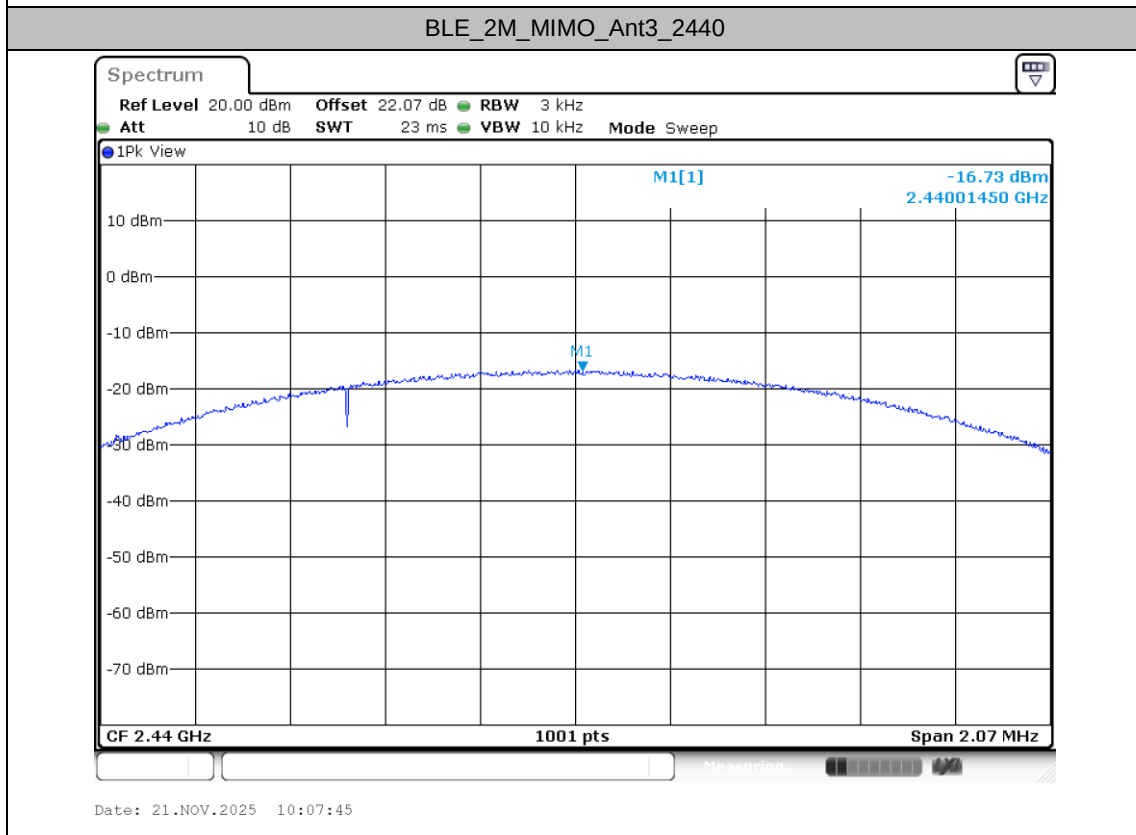
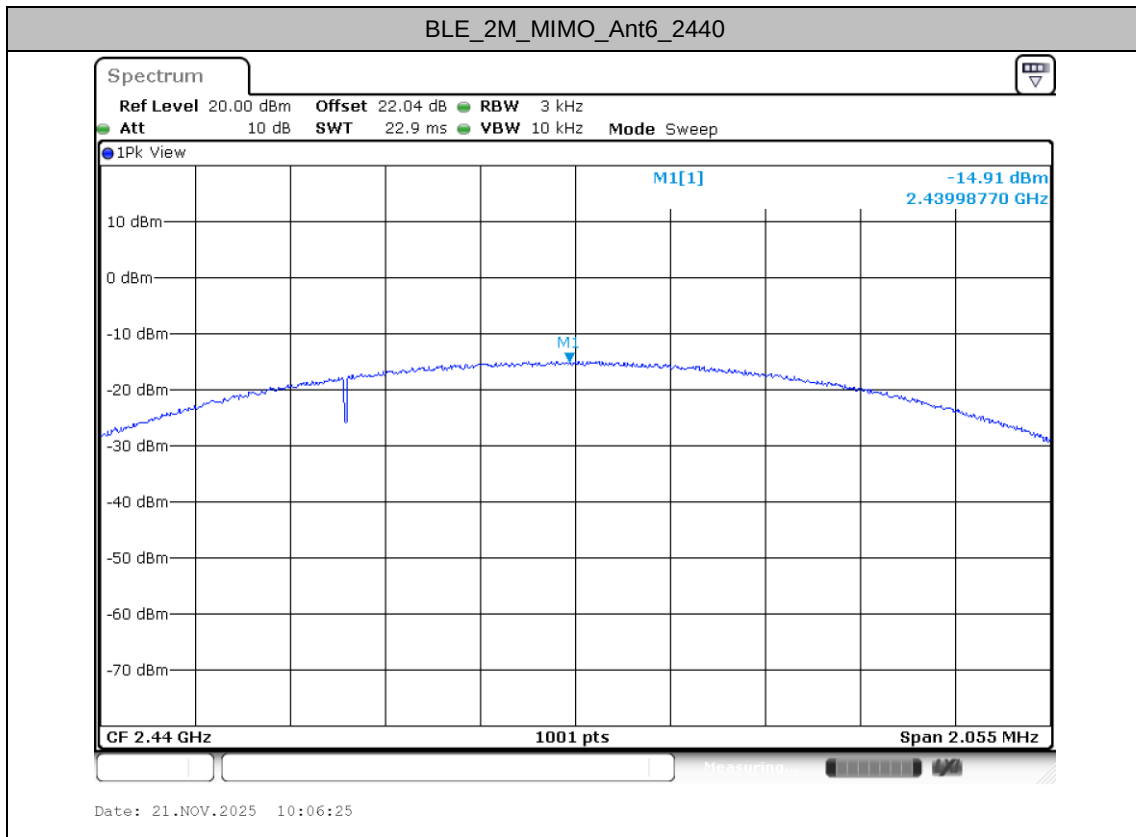
Test Graphs

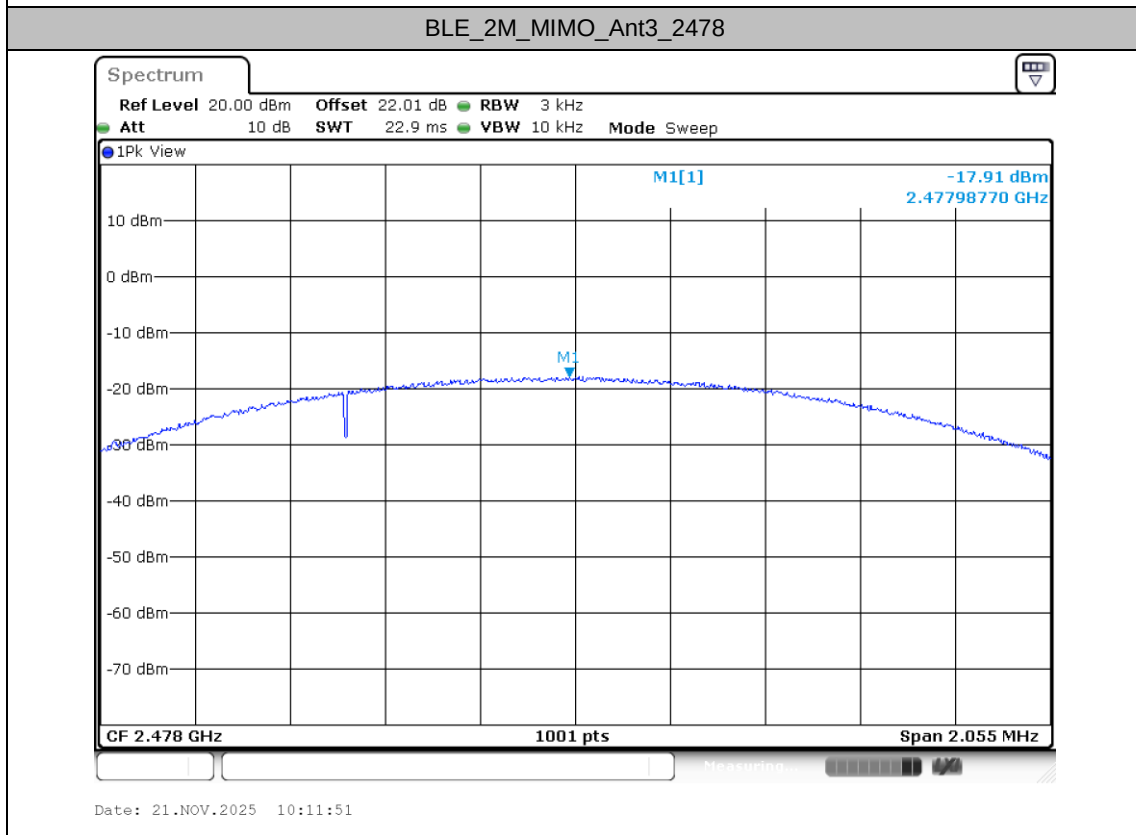
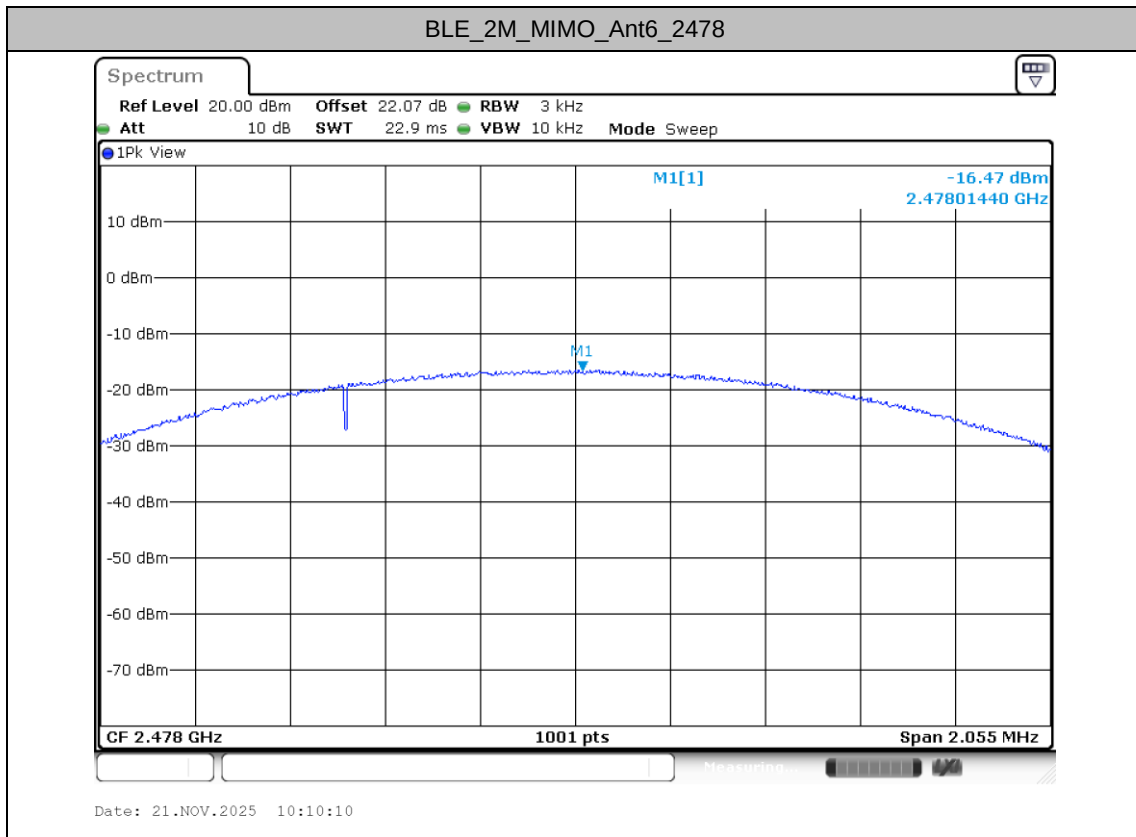














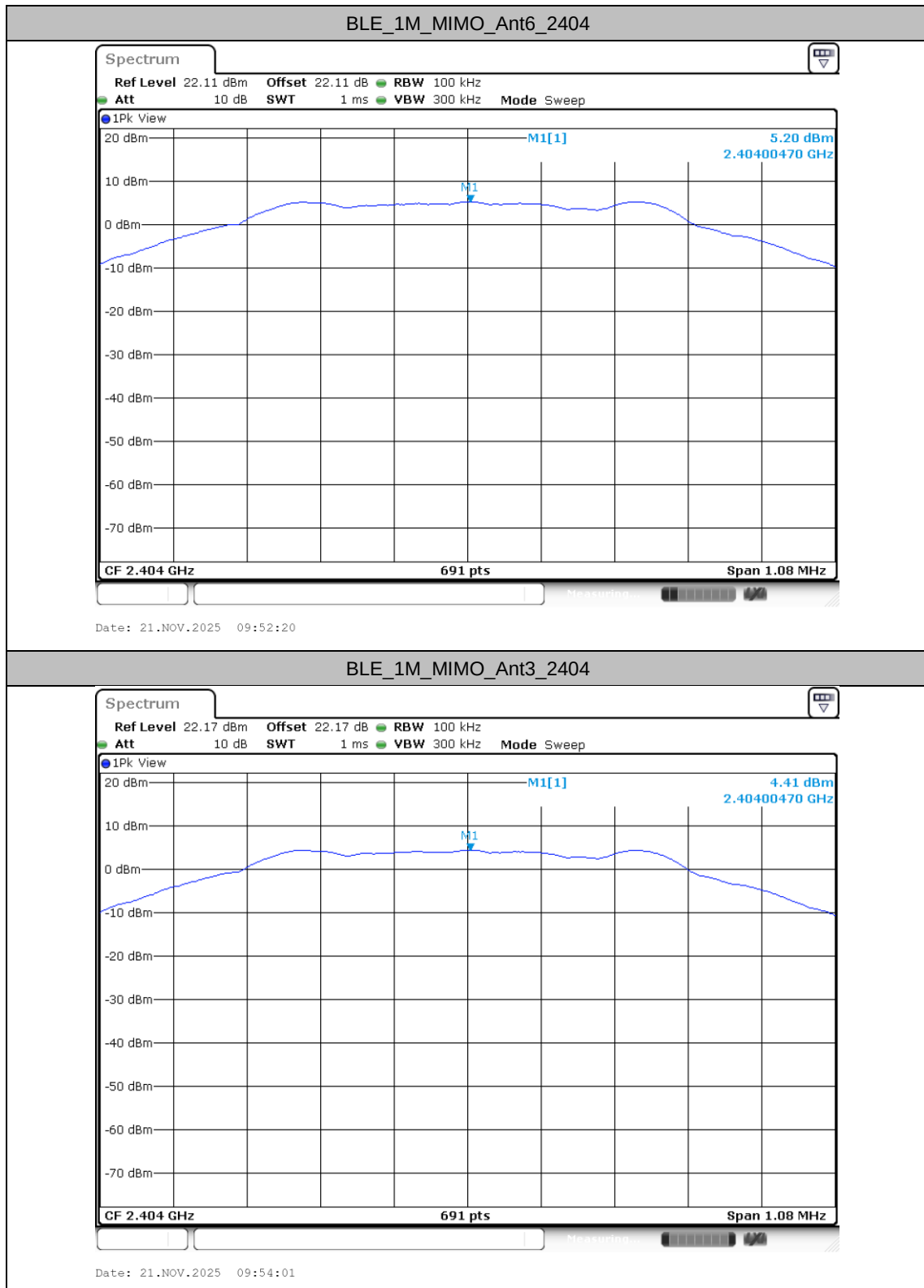
Reference level measurement

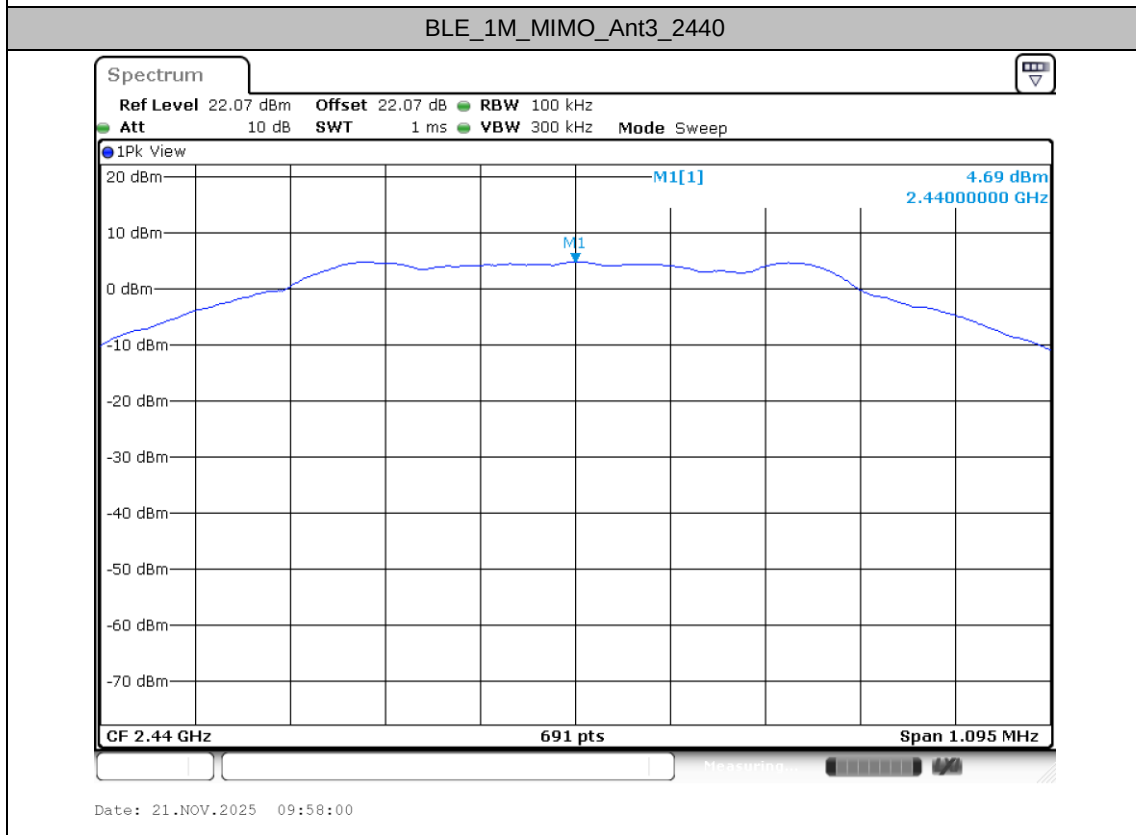
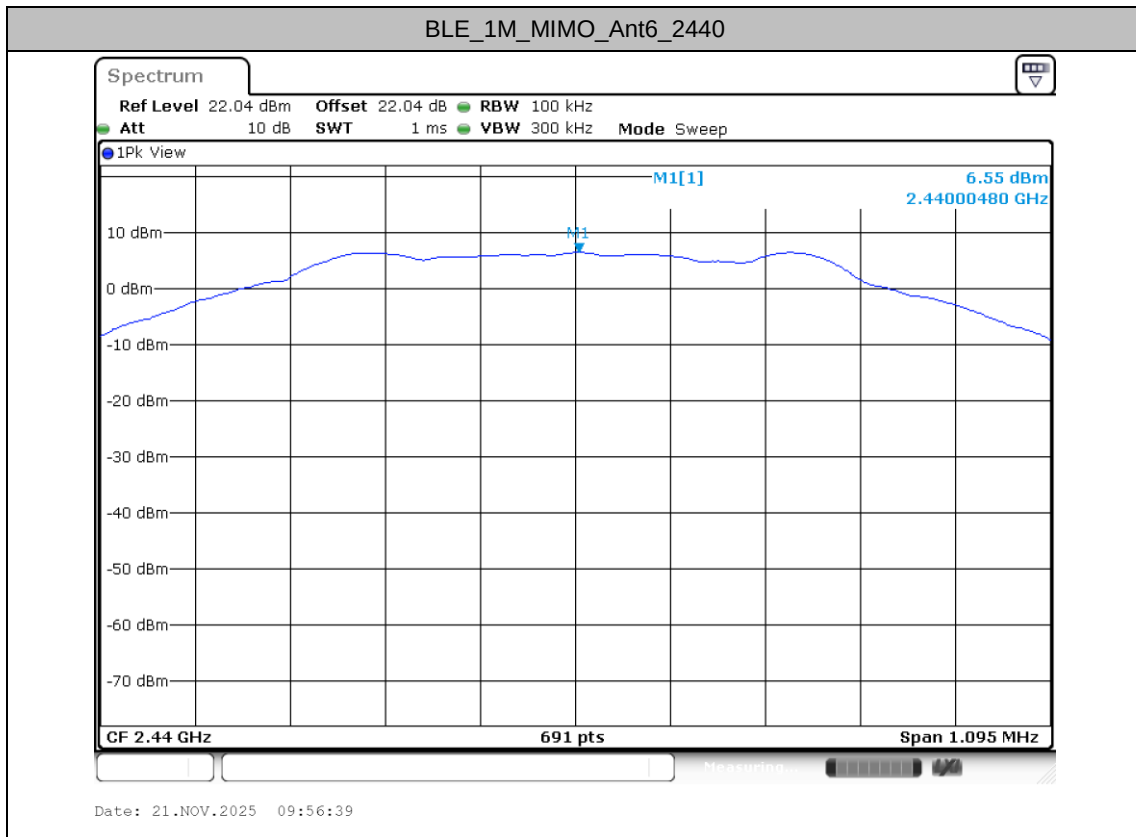
Test Result

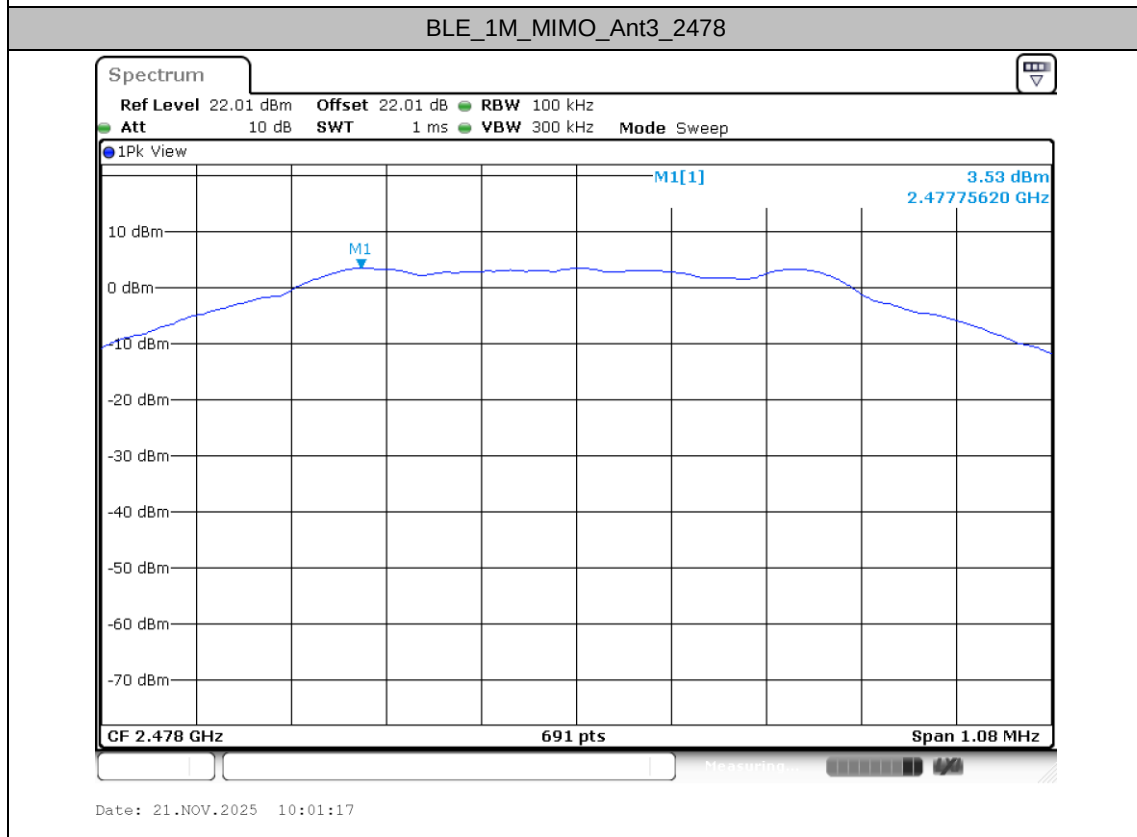
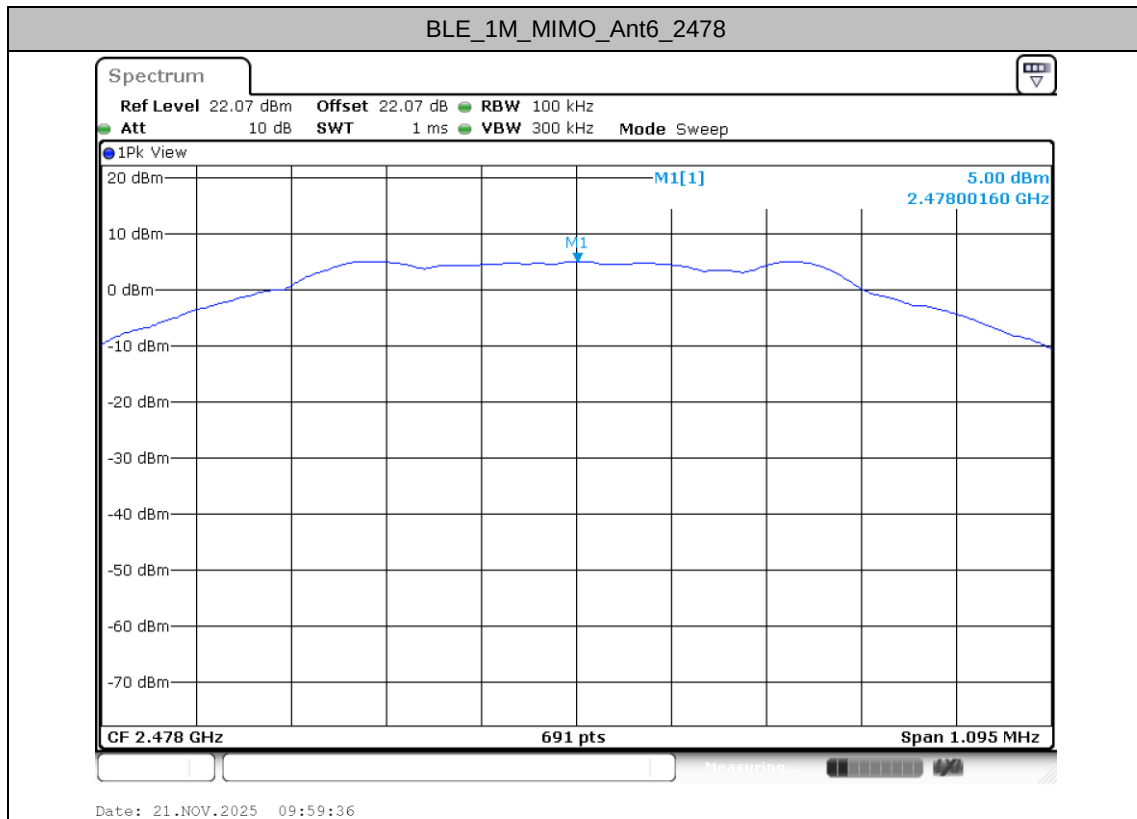
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm/100KHz]
BLE_1M_MIMO	Ant6	2404	2404.00	5.20
	Ant3	2404	2404.00	4.41
	Ant6	2440	2440.00	6.55
	Ant3	2440	2440.00	4.69
	Ant6	2478	2478.00	5.00
	Ant3	2478	2477.76	3.53
BLE_2M_MIMO	Ant6	2404	2404.17	3.24
	Ant3	2404	2403.51	2.48
	Ant6	2440	2439.51	4.61
	Ant3	2440	2439.50	2.80
	Ant6	2478	2477.51	3.19
	Ant3	2478	2477.51	1.70

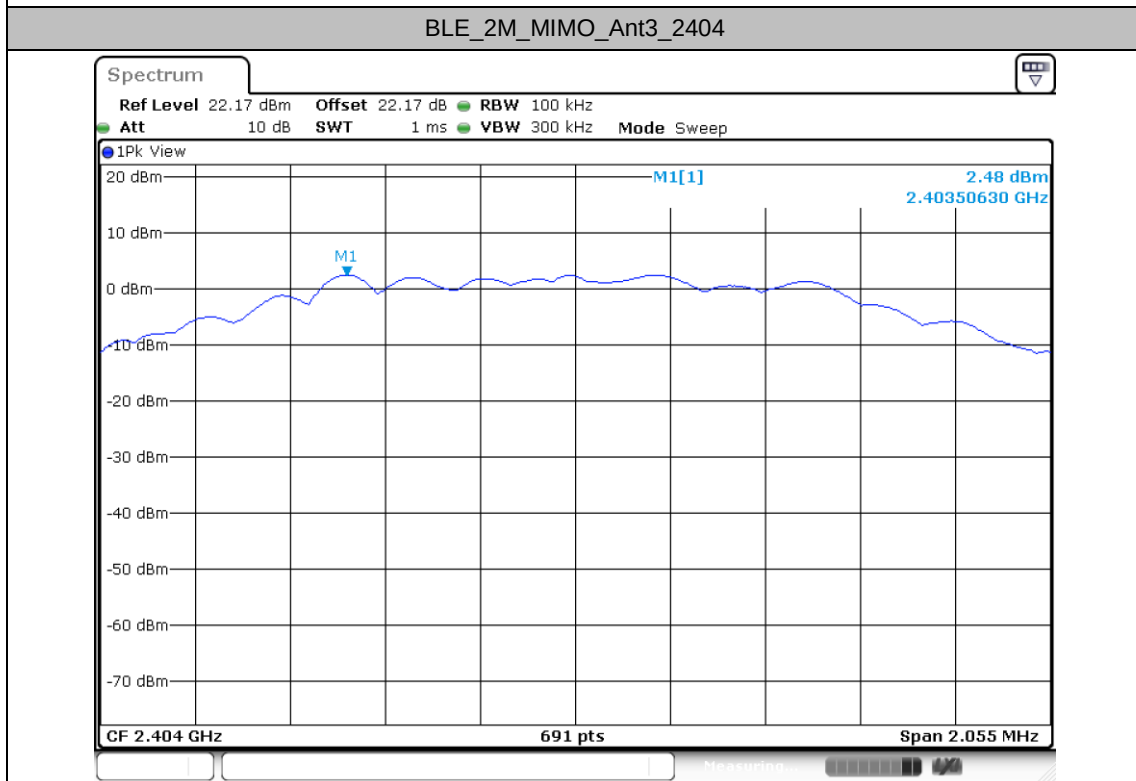
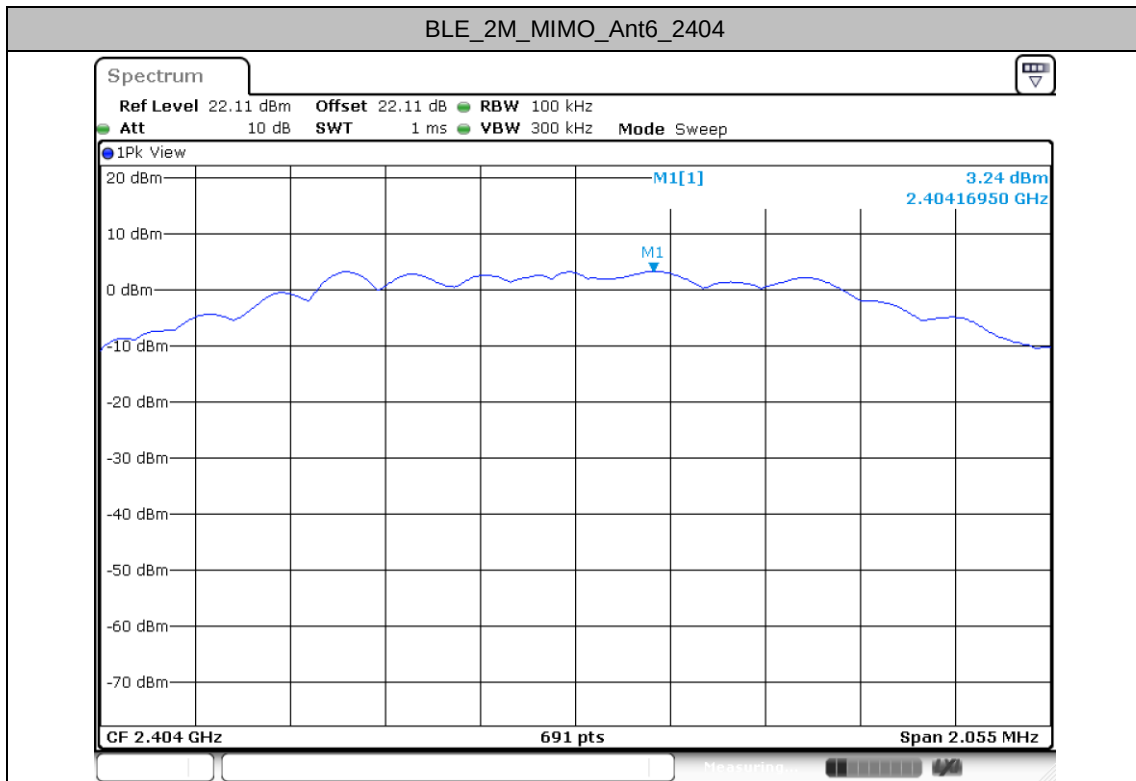


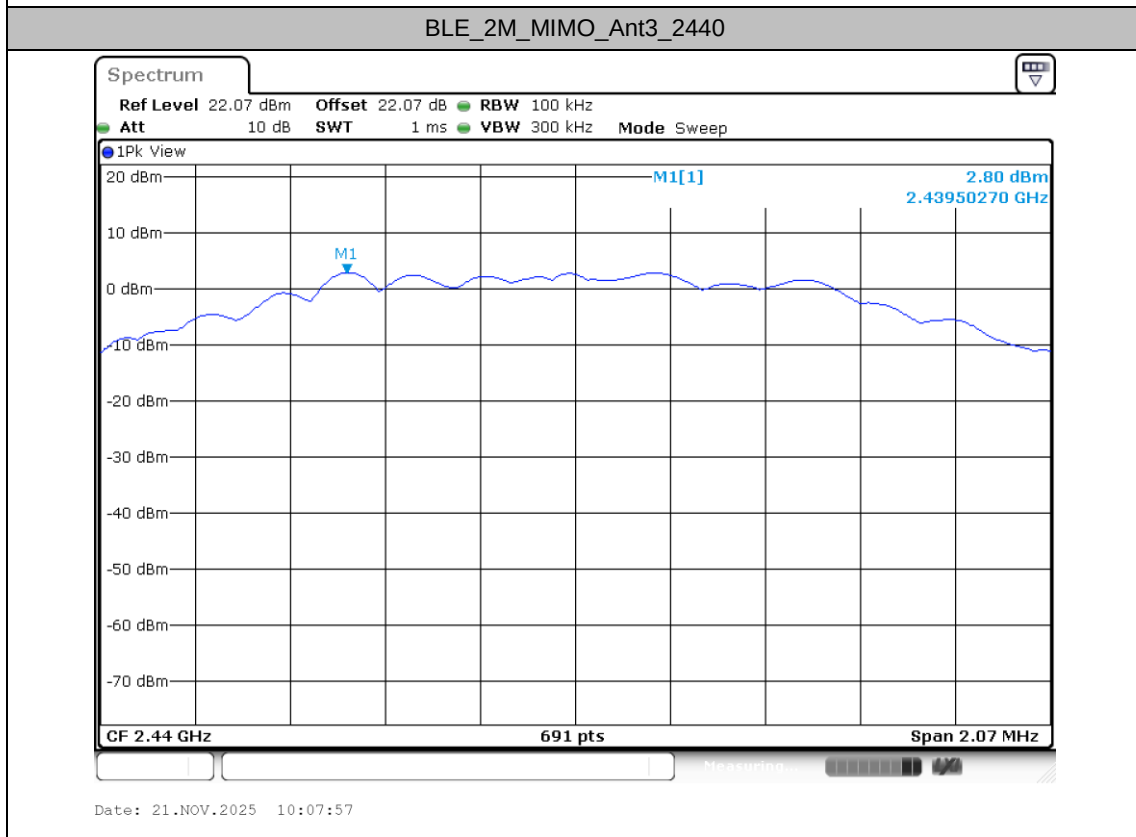
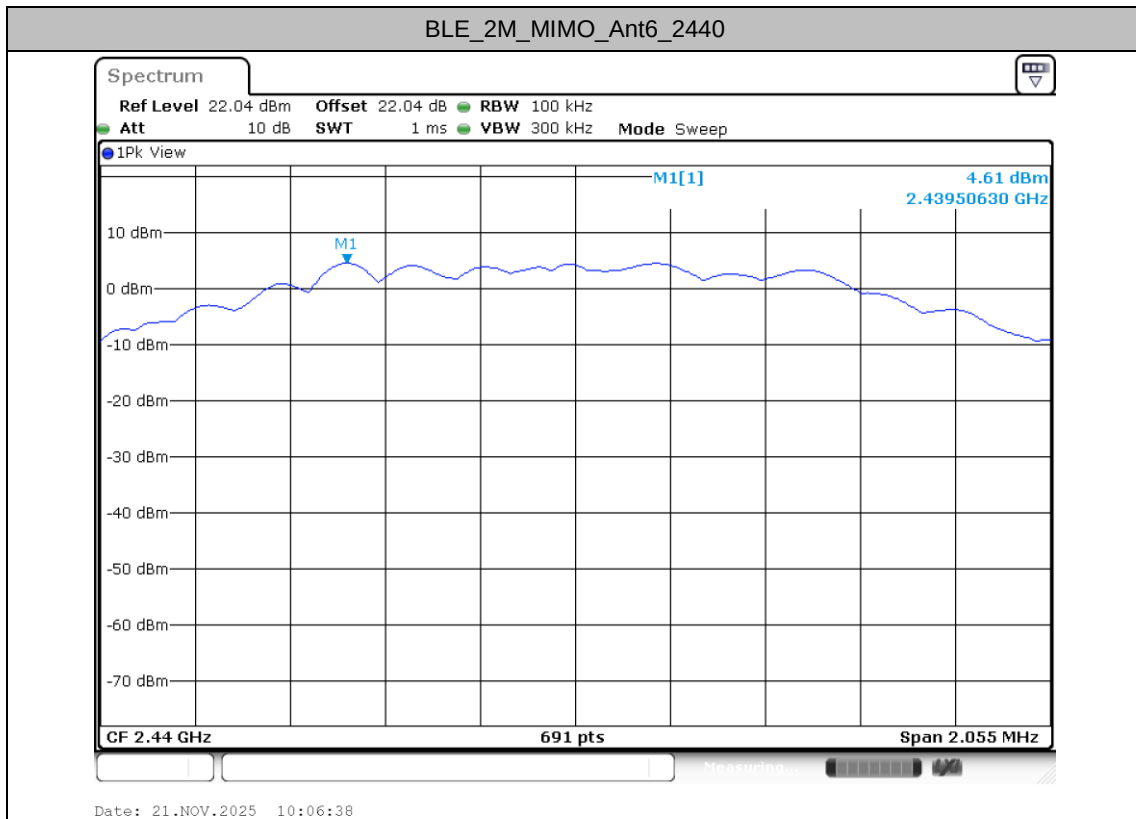
Test Graphs

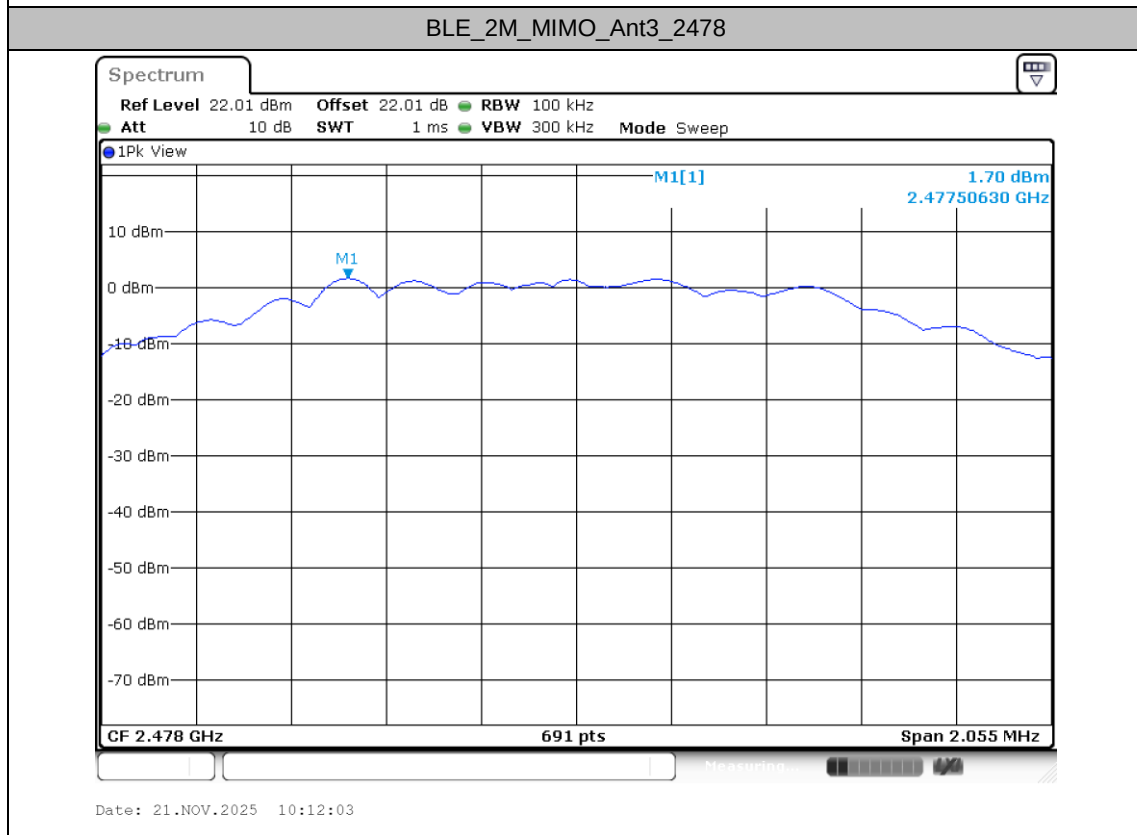
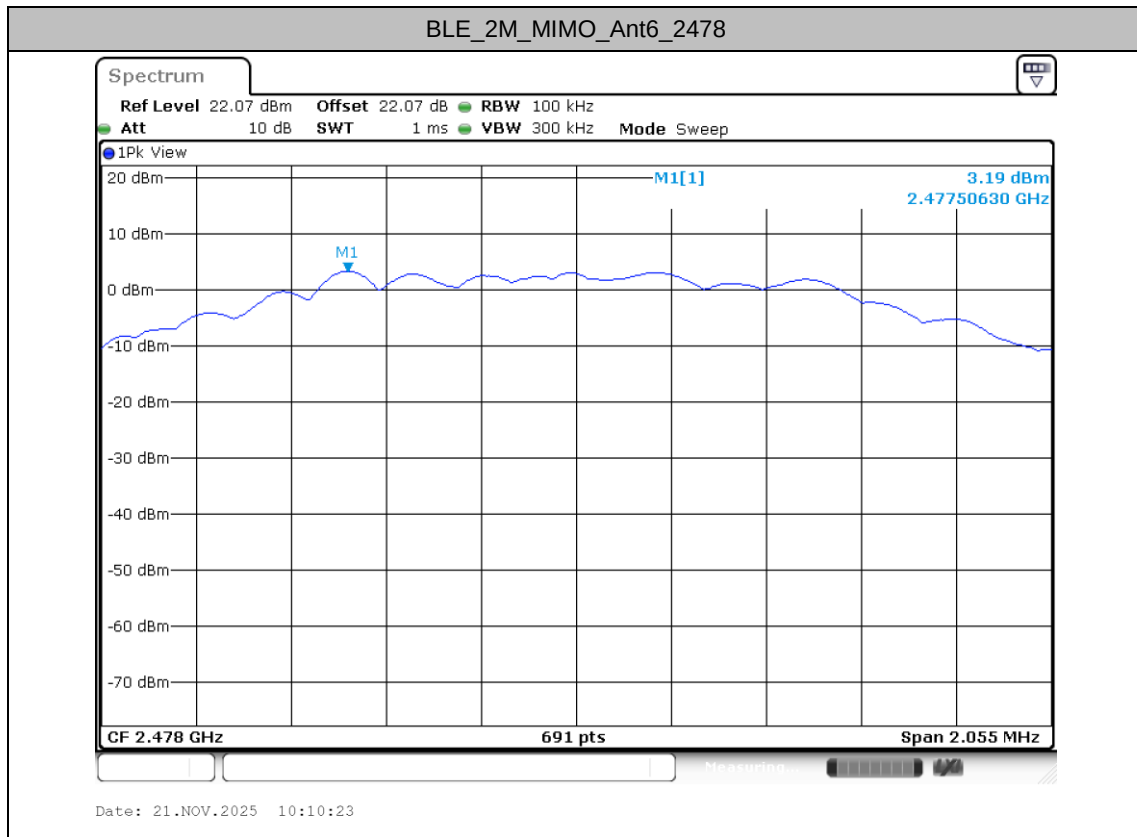














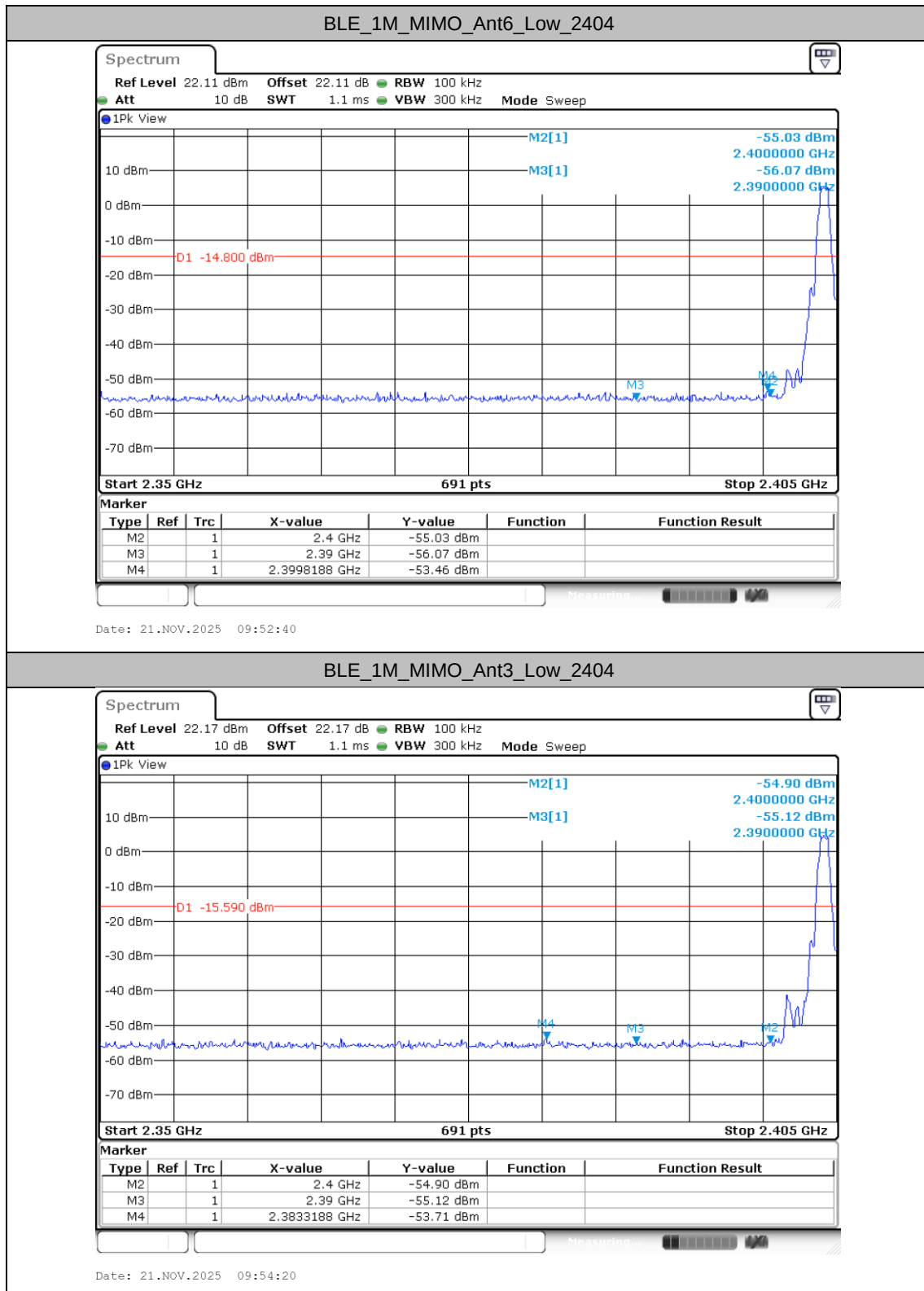
Band edge measurements

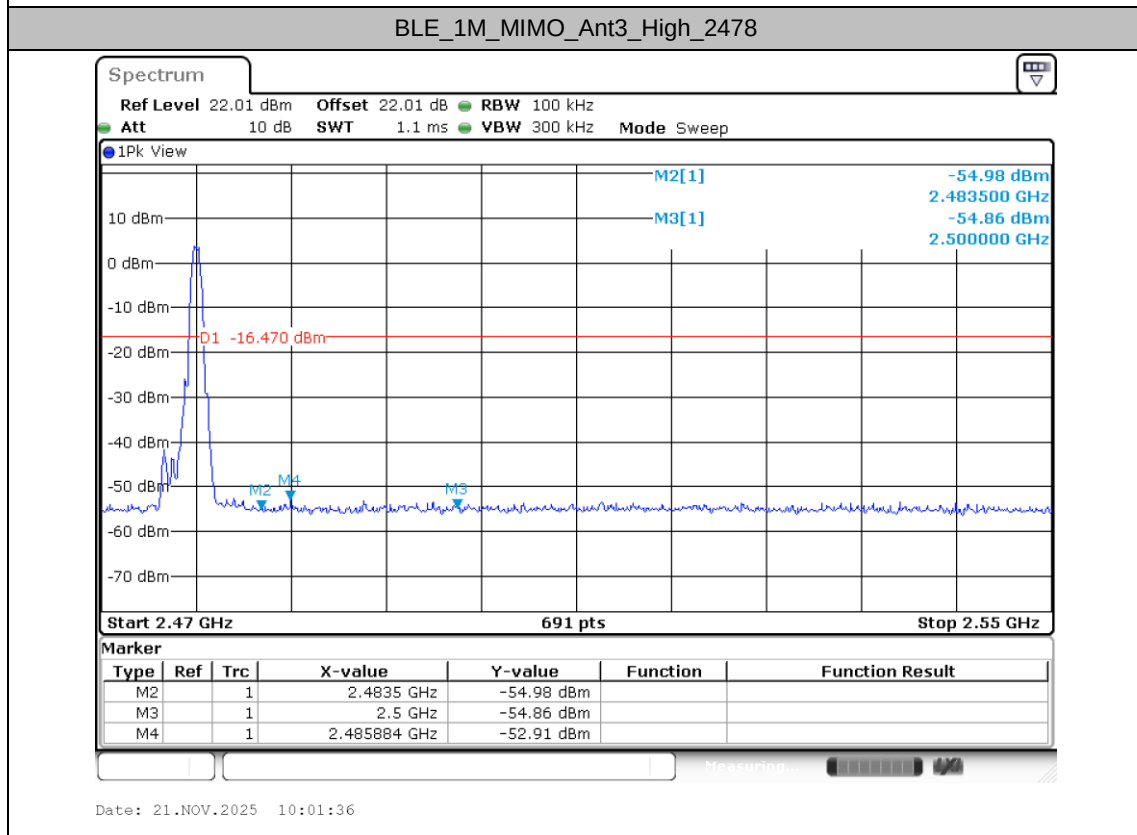
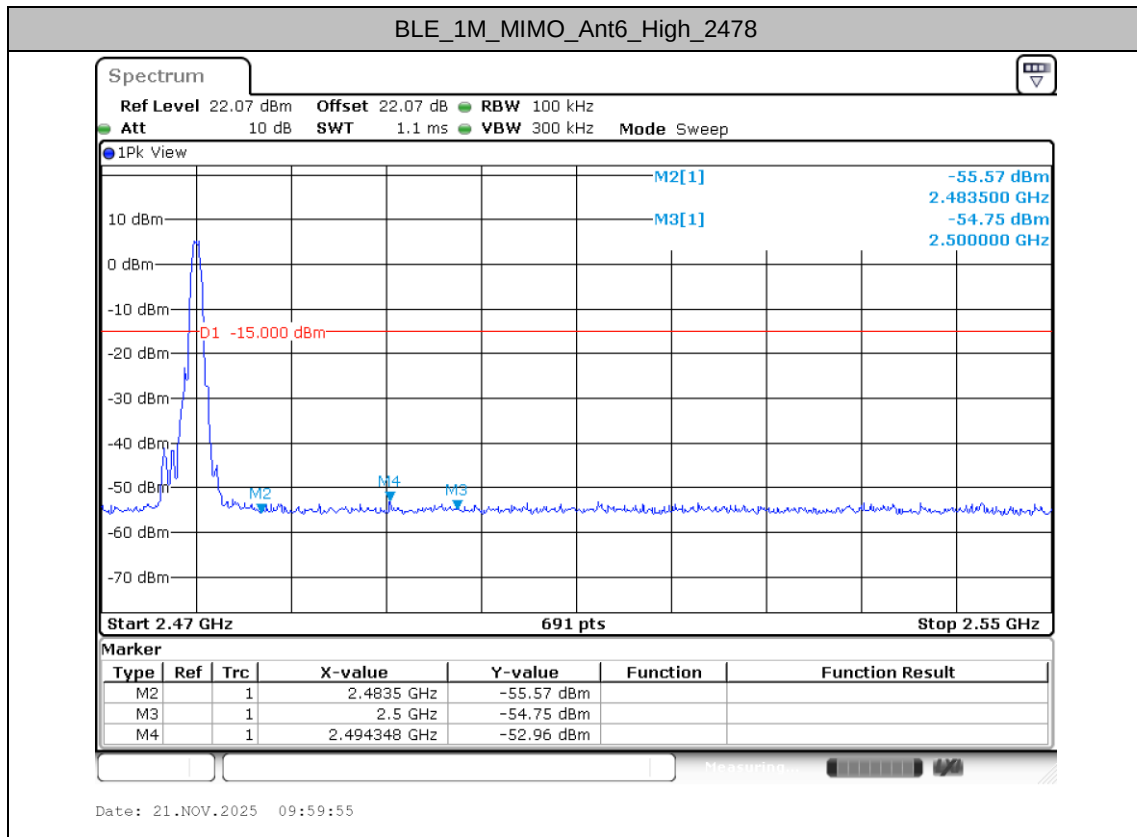
Test Result

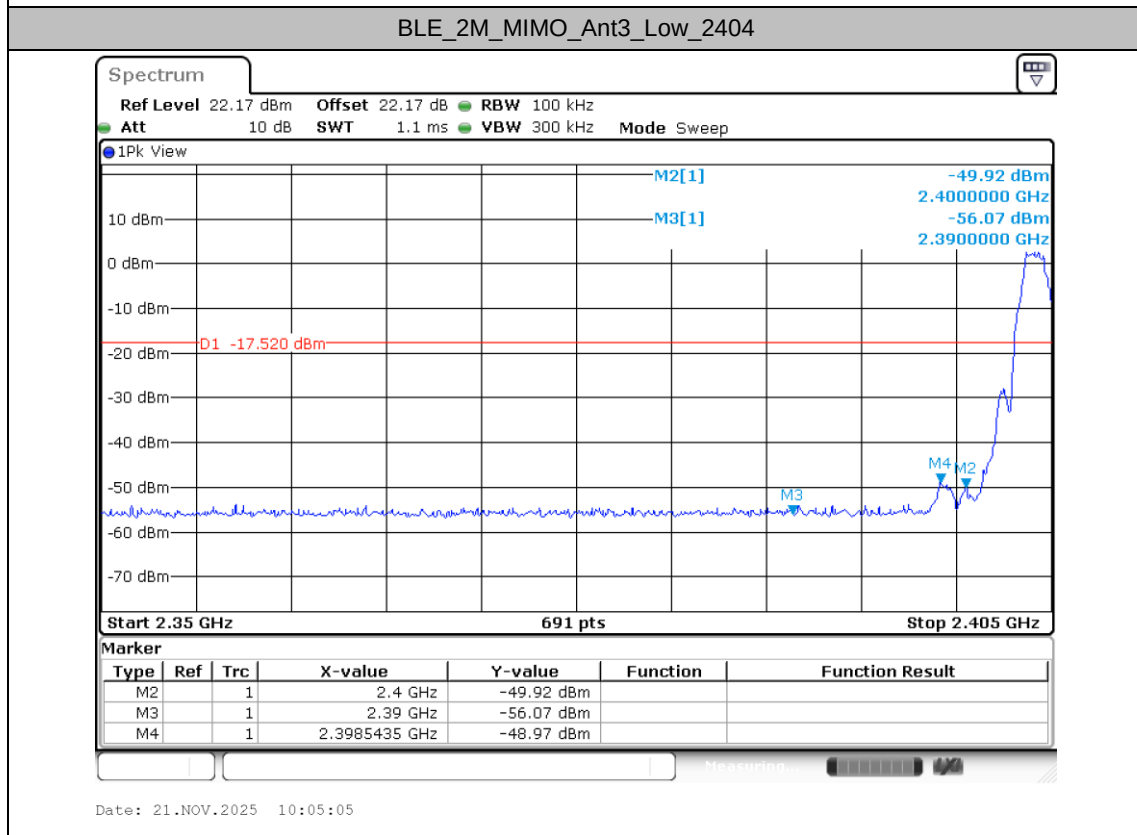
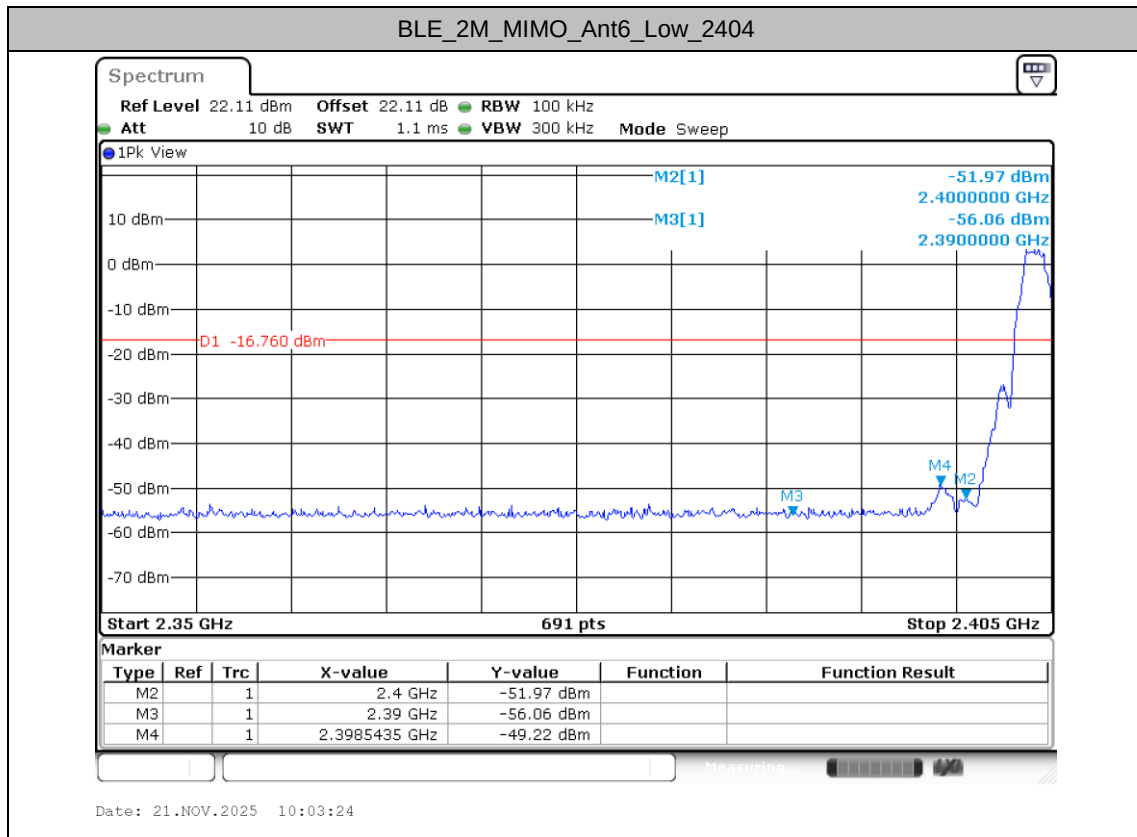
TestMode	Antenna	ChName	Freq (MHz)	RefLevel[dBm /100KHz]	Result[dBm /100KHz]	Limit[dBm /100KHz]	Verdict
BLE_1M_MIMO	Ant6	Low	2404	5.20	-53.46	≤-14.80	PASS
	Ant3	Low	2404	4.41	-53.71	≤-15.59	PASS
	Ant6	High	2478	5.00	-52.96	≤-15.00	PASS
	Ant3	High	2478	3.53	-52.91	≤-16.47	PASS
BLE_2M_MIMO	Ant6	Low	2404	3.24	-49.22	≤-16.76	PASS
	Ant3	Low	2404	2.48	-48.97	≤-17.52	PASS
	Ant6	High	2478	3.19	-53.09	≤-16.81	PASS
	Ant3	High	2478	1.70	-53.13	≤-18.30	PASS

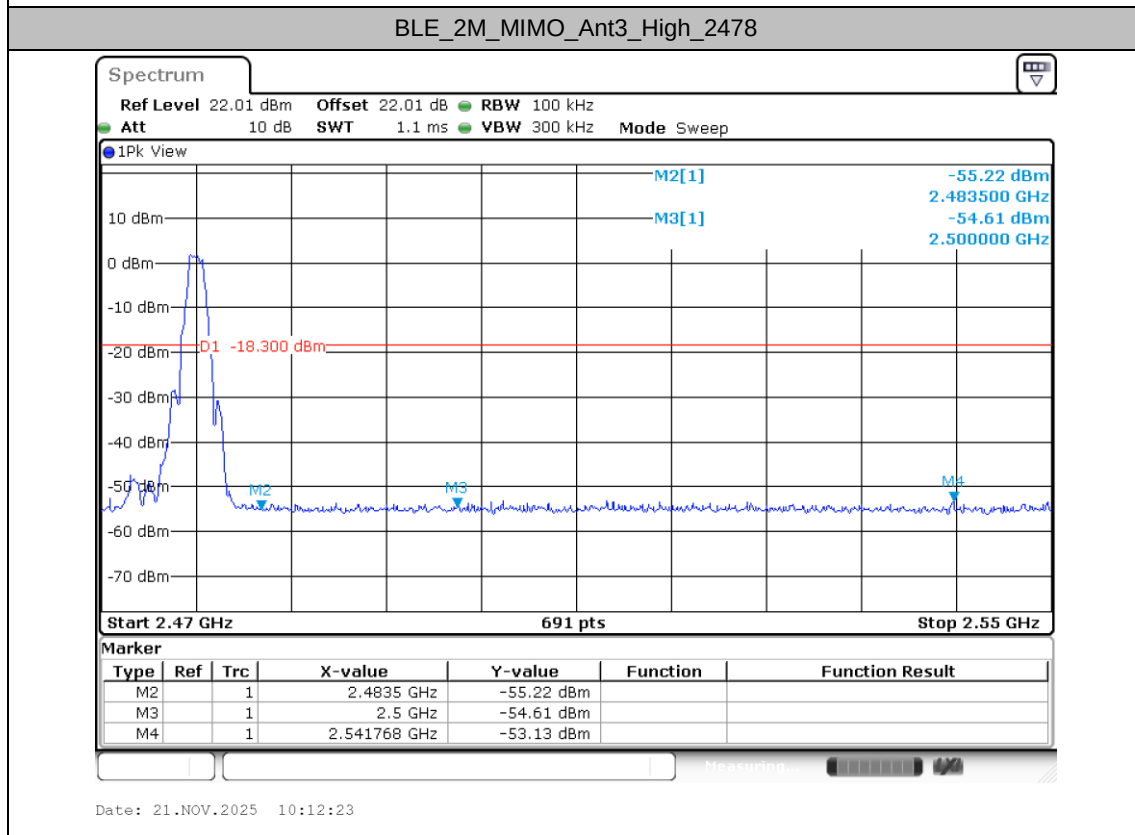
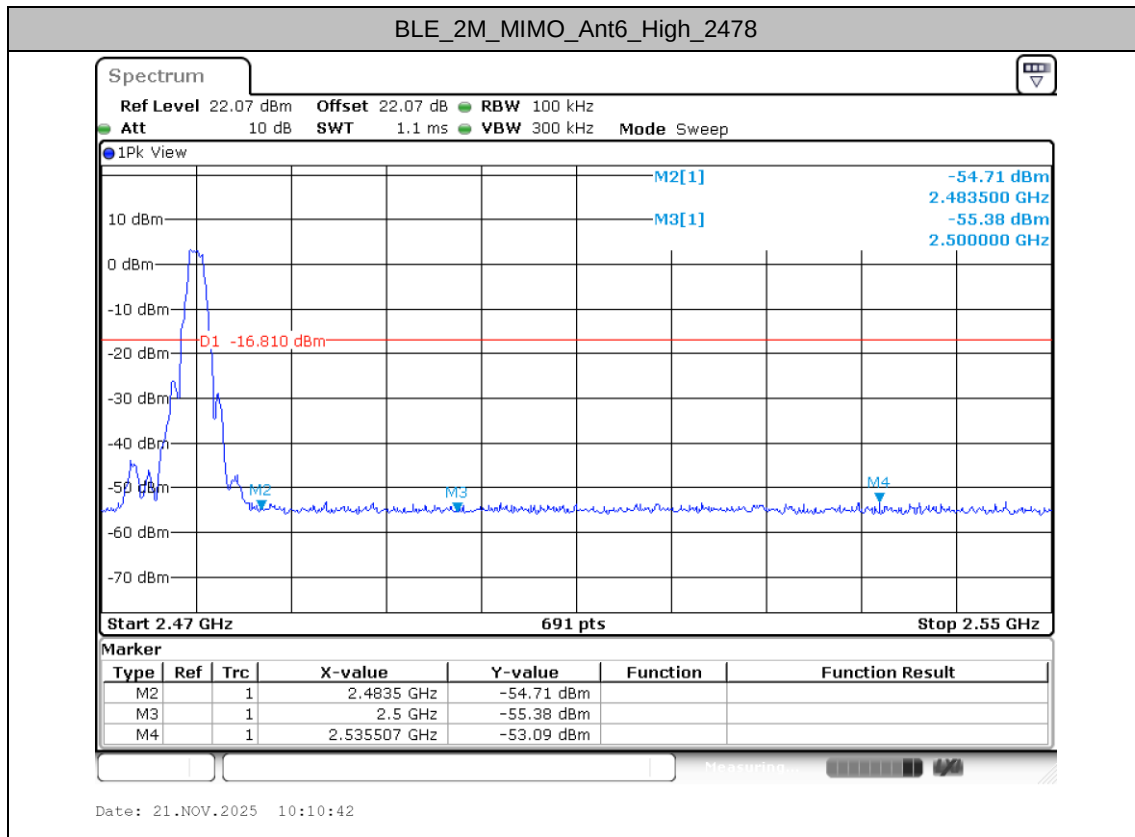


Test Graphs











Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm/100KHz]	Result [dBm/100KHz]	Limit [dBm/100KHz]	Verdict
BLE_1M_MIMO	Ant6	2404	30~1000	5.20	-45	≤-14.80	PASS
			1000~26500	5.20	-36.29	≤-14.80	PASS
	Ant3	2404	30~1000	4.41	-45.25	≤-15.59	PASS
			1000~26500	4.41	-35.92	≤-15.59	PASS
	Ant6	2440	30~1000	6.55	-44.97	≤-13.45	PASS
			1000~26500	6.55	-35.87	≤-13.45	PASS
	Ant3	2440	30~1000	4.69	-44.9	≤-15.31	PASS
			1000~26500	4.69	-36.33	≤-15.31	PASS
	Ant6	2478	30~1000	5.00	-45.04	≤-15.00	PASS
			1000~26500	5.00	-36	≤-15.00	PASS
	Ant3	2478	30~1000	3.53	-45.29	≤-16.47	PASS
			1000~26500	3.53	-36.05	≤-16.47	PASS
BLE_2M_MIMO	Ant6	2404	30~1000	3.24	-44.52	≤-16.76	PASS
			1000~26500	3.24	-36.24	≤-16.76	PASS
	Ant3	2404	30~1000	2.48	-45.29	≤-17.52	PASS
			1000~26500	2.48	-36.37	≤-17.52	PASS
	Ant6	2440	30~1000	4.61	-45.25	≤-15.39	PASS
			1000~26500	4.61	-36.63	≤-15.39	PASS
	Ant3	2440	30~1000	2.80	-44.98	≤-17.20	PASS
			1000~26500	2.80	-36.9	≤-17.20	PASS
	Ant6	2478	30~1000	3.19	-44.43	≤-16.81	PASS
			1000~26500	3.19	-35.92	≤-16.81	PASS
	Ant3	2478	30~1000	1.70	-45.2	≤-18.30	PASS
			1000~26500	1.70	-36.19	≤-18.30	PASS



Test Graphs

