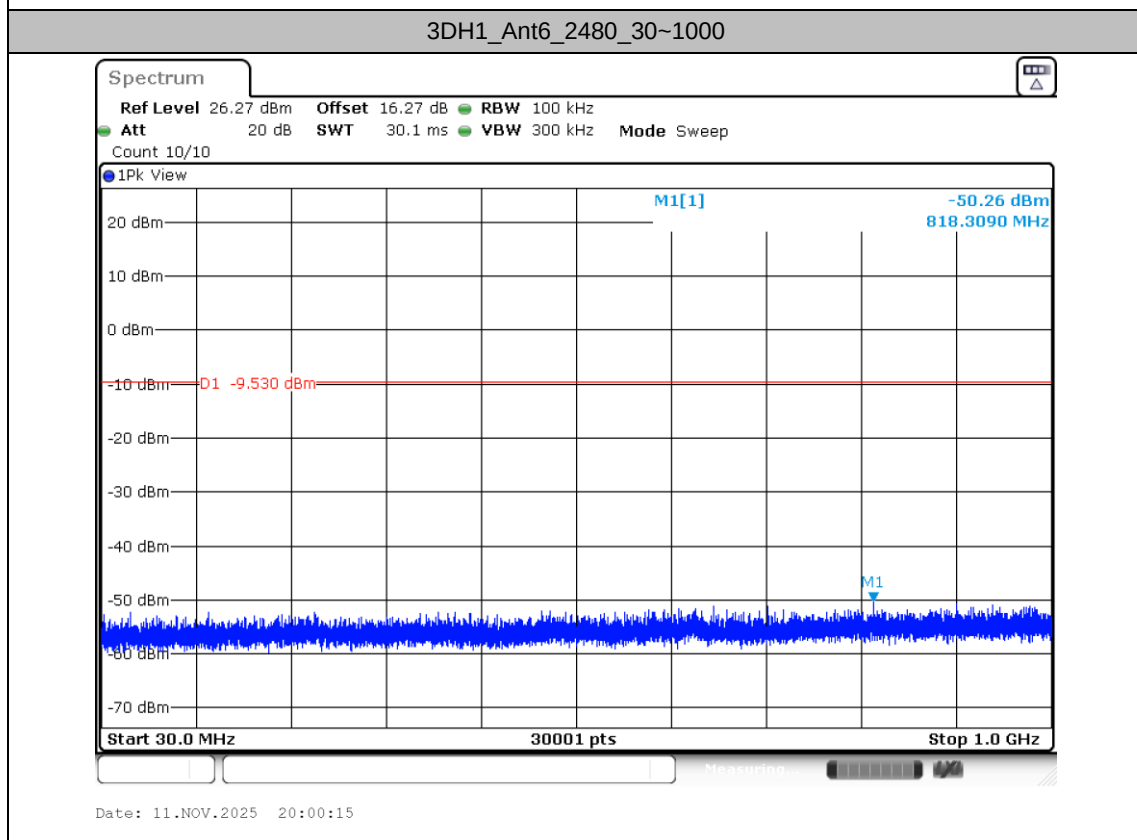
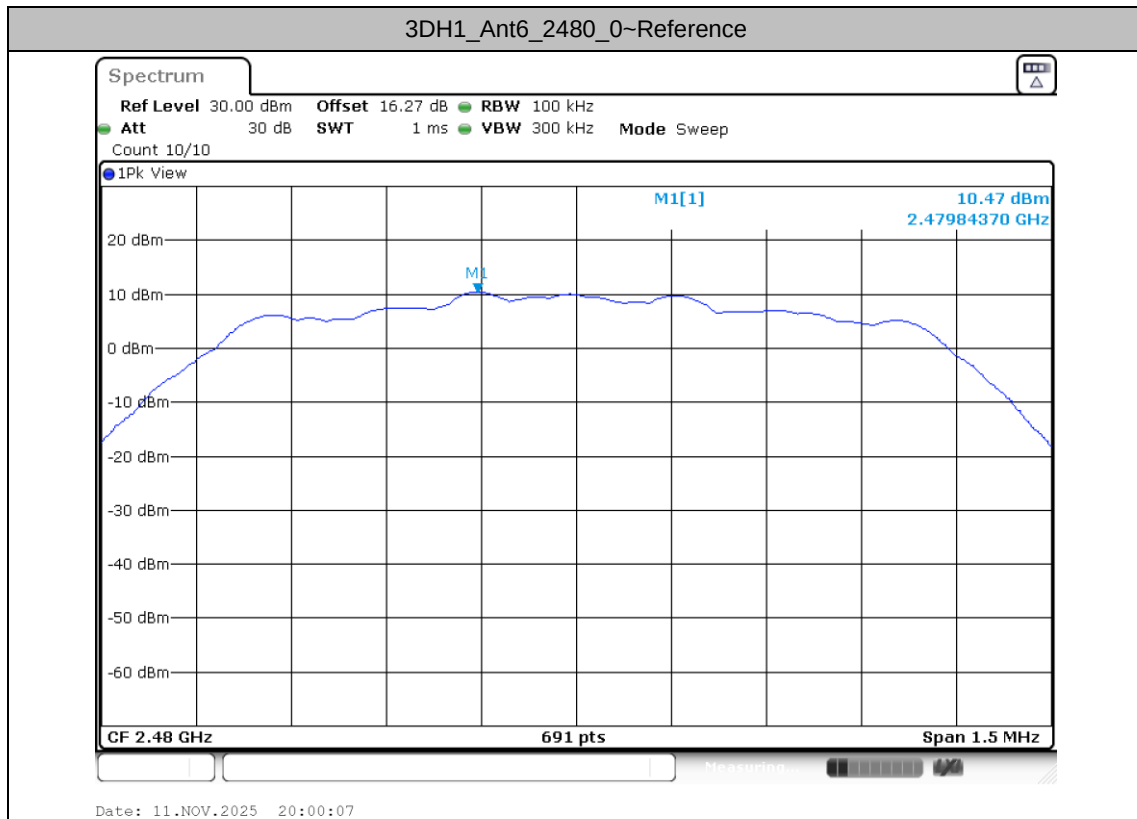
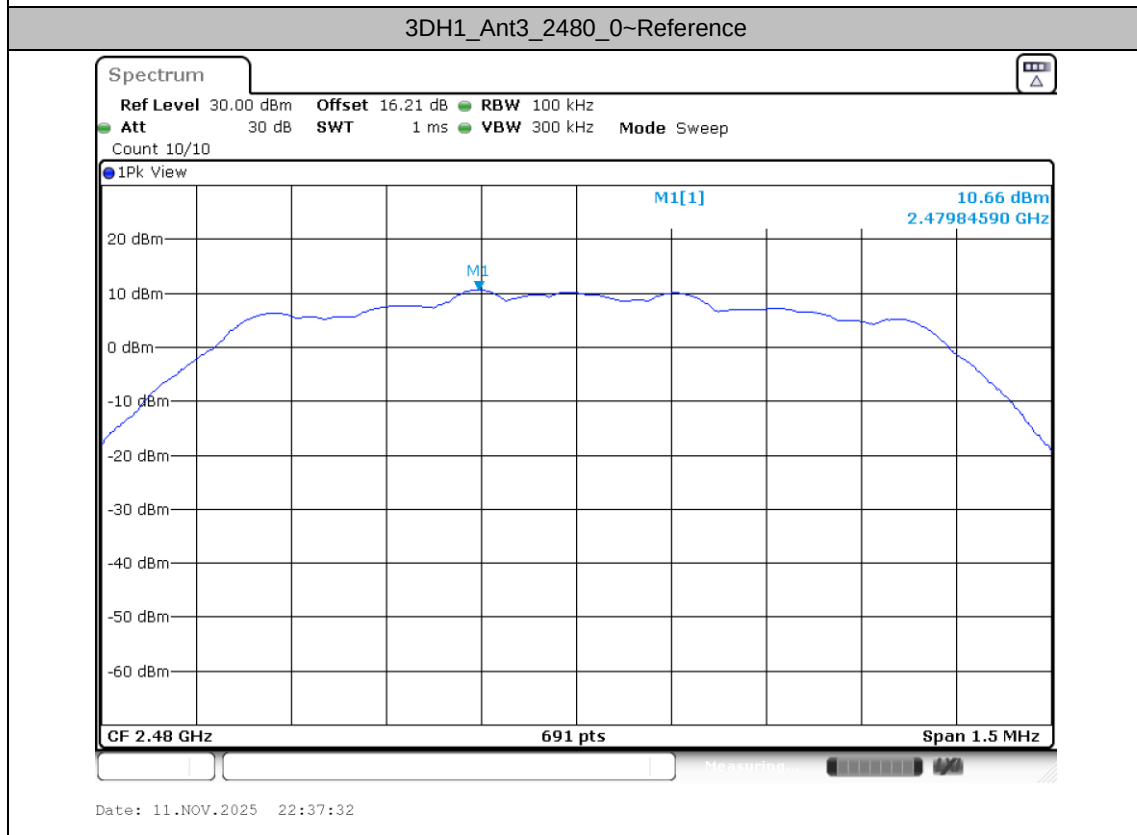
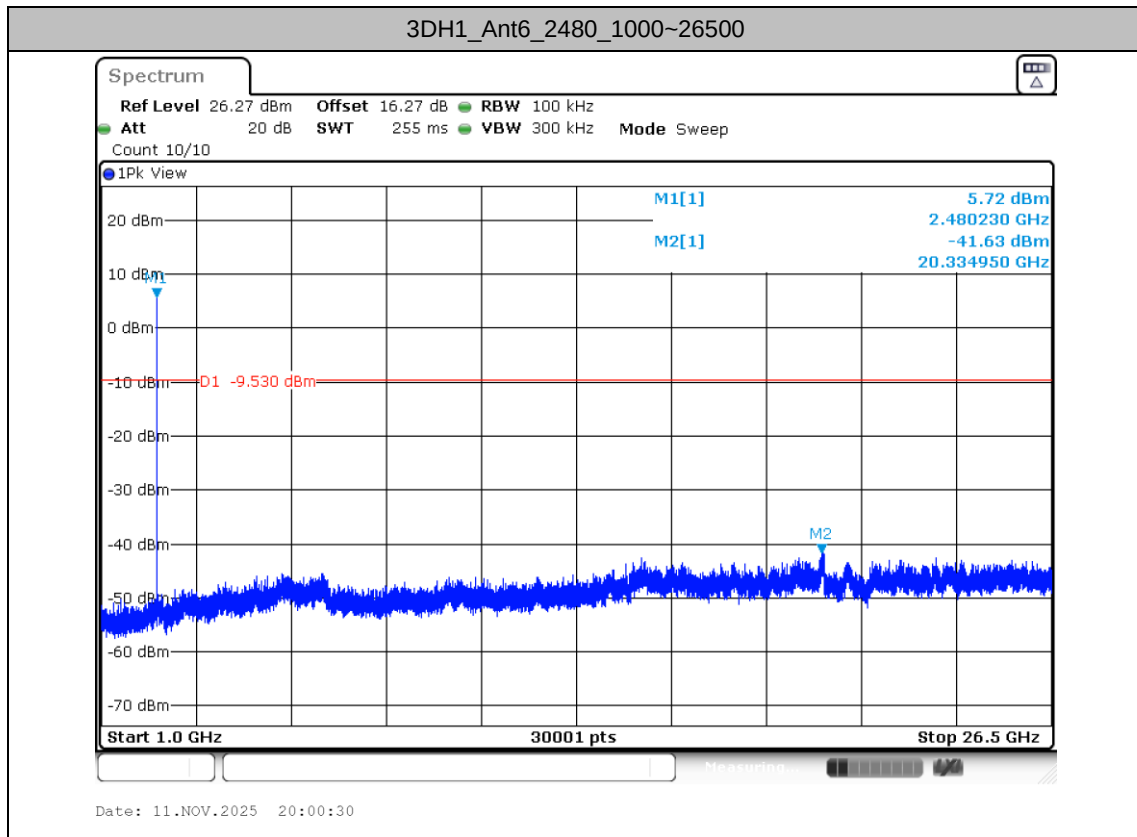
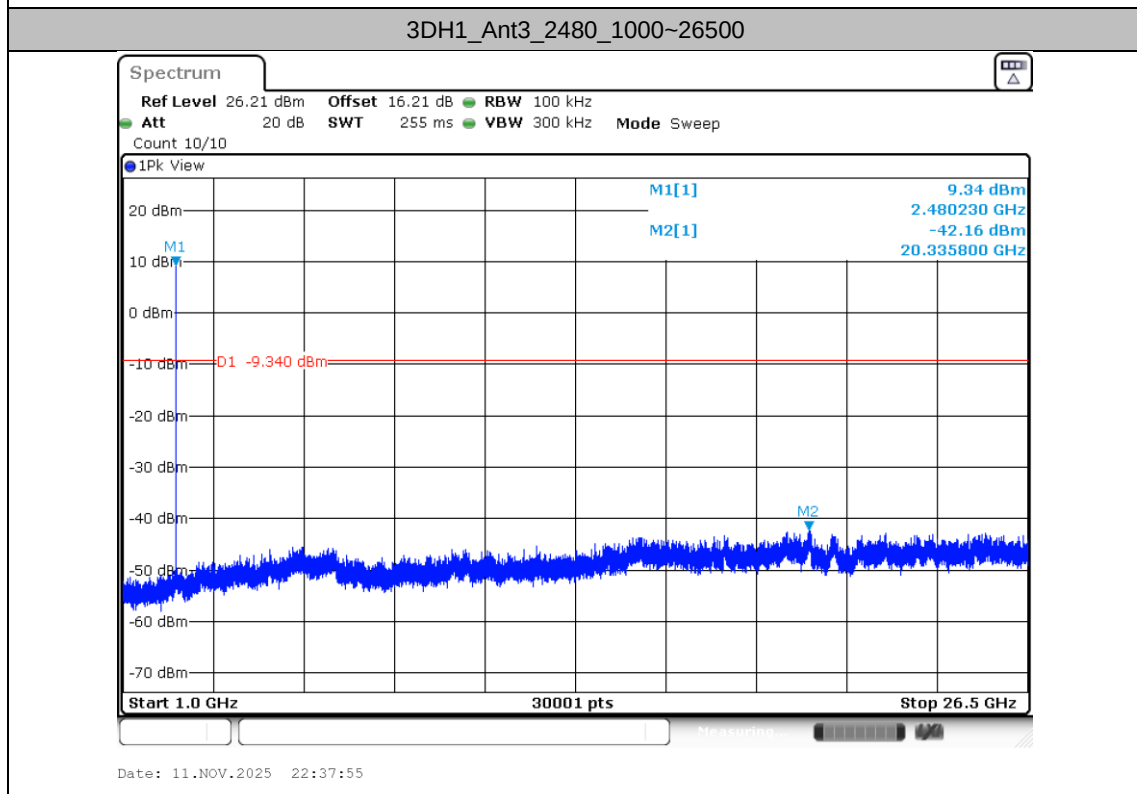
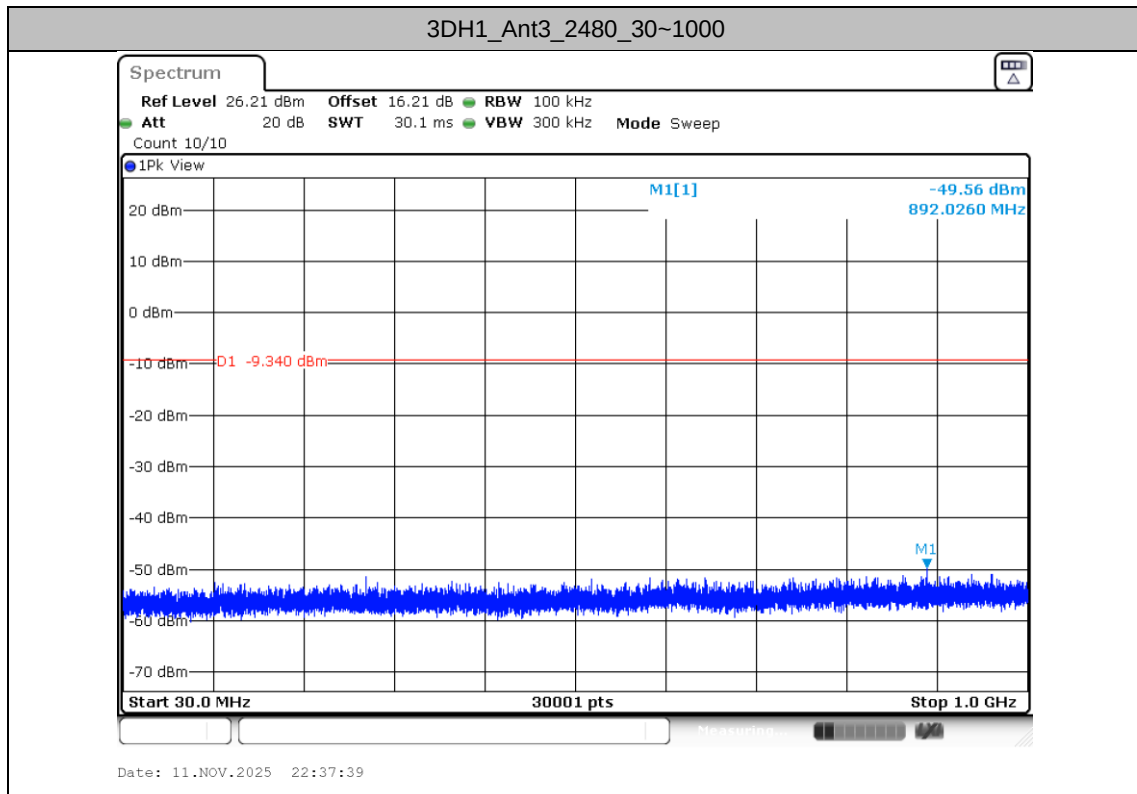










<BLE-ASK SISO>

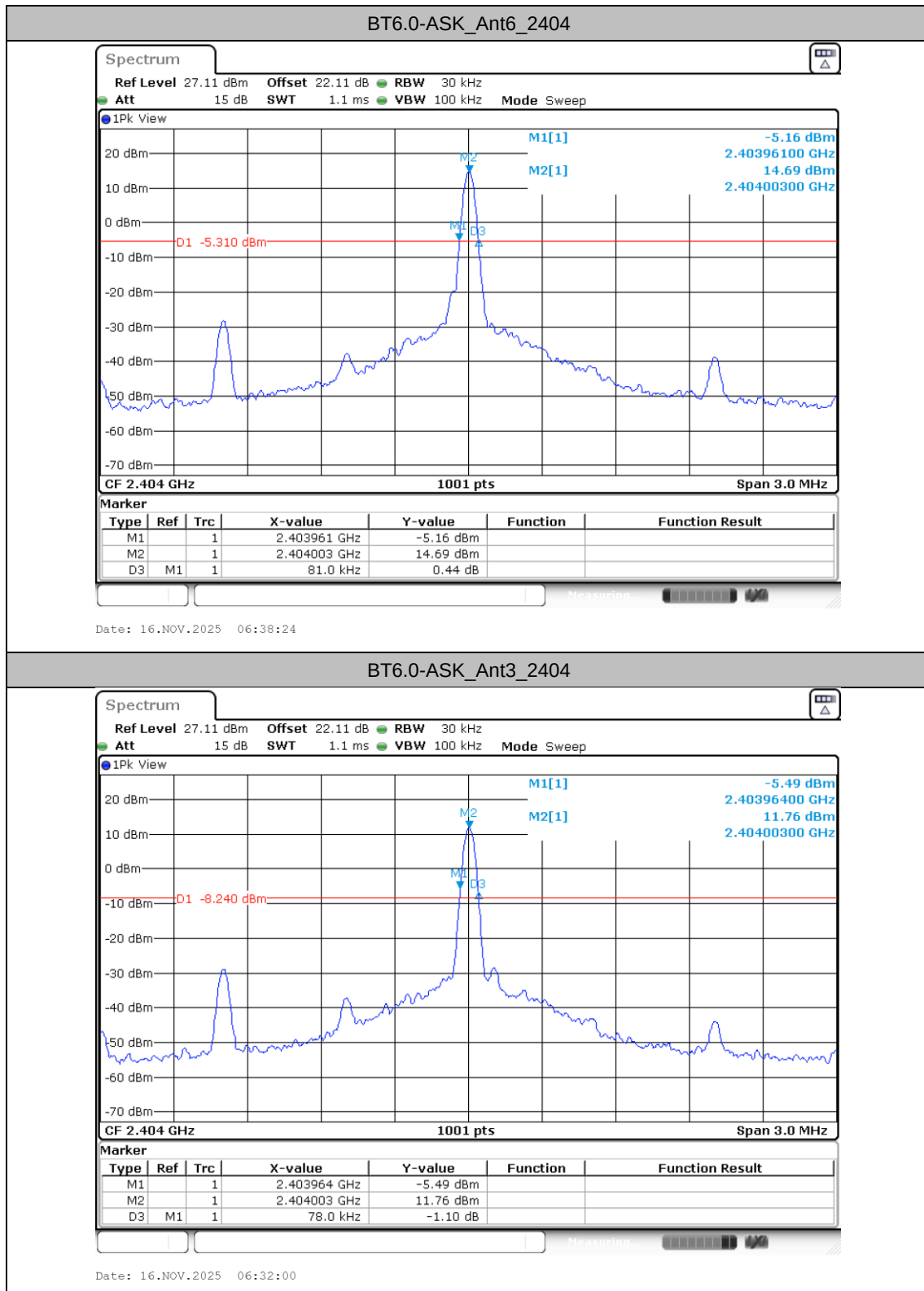
20dB Emission Bandwidth

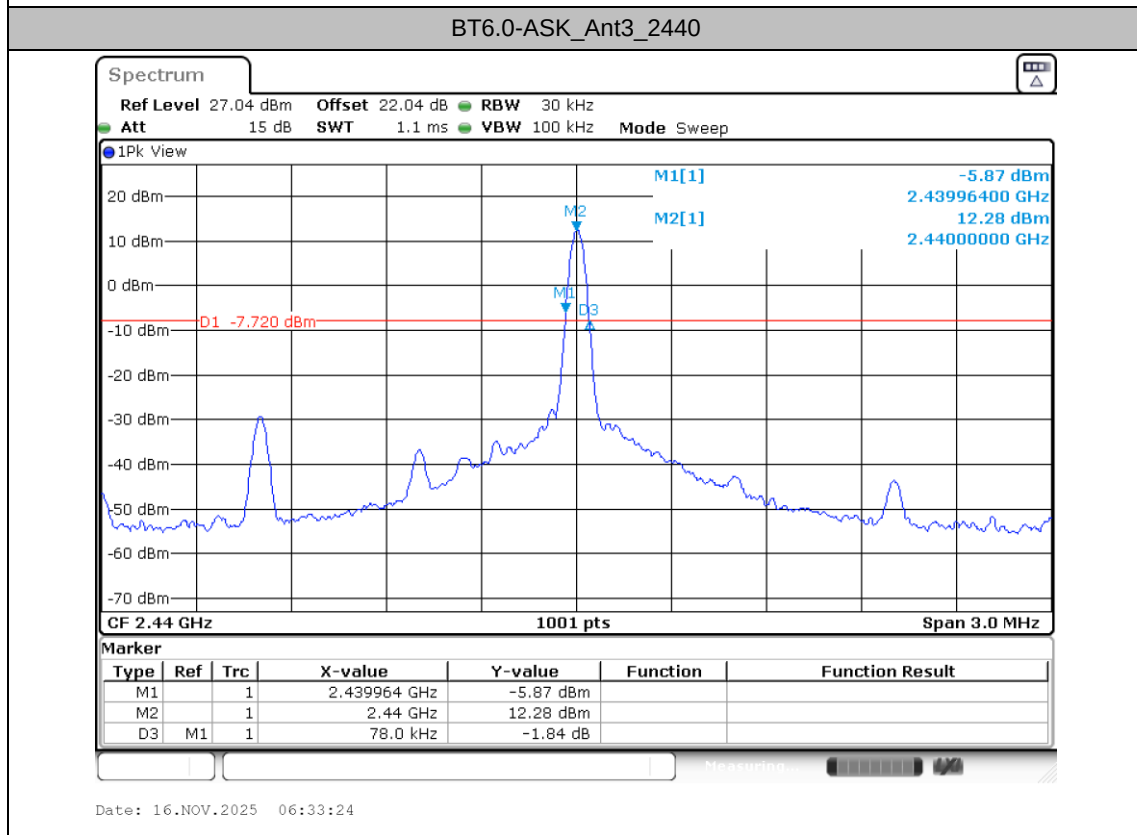
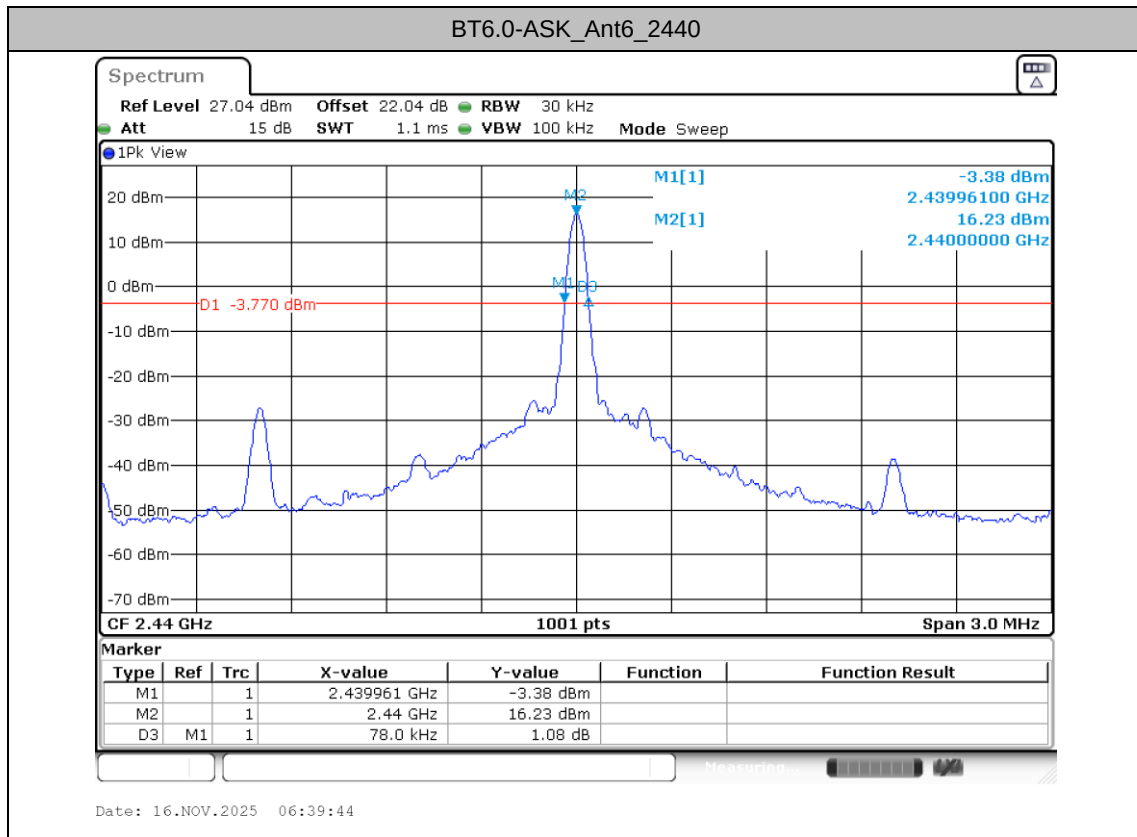
Test Result

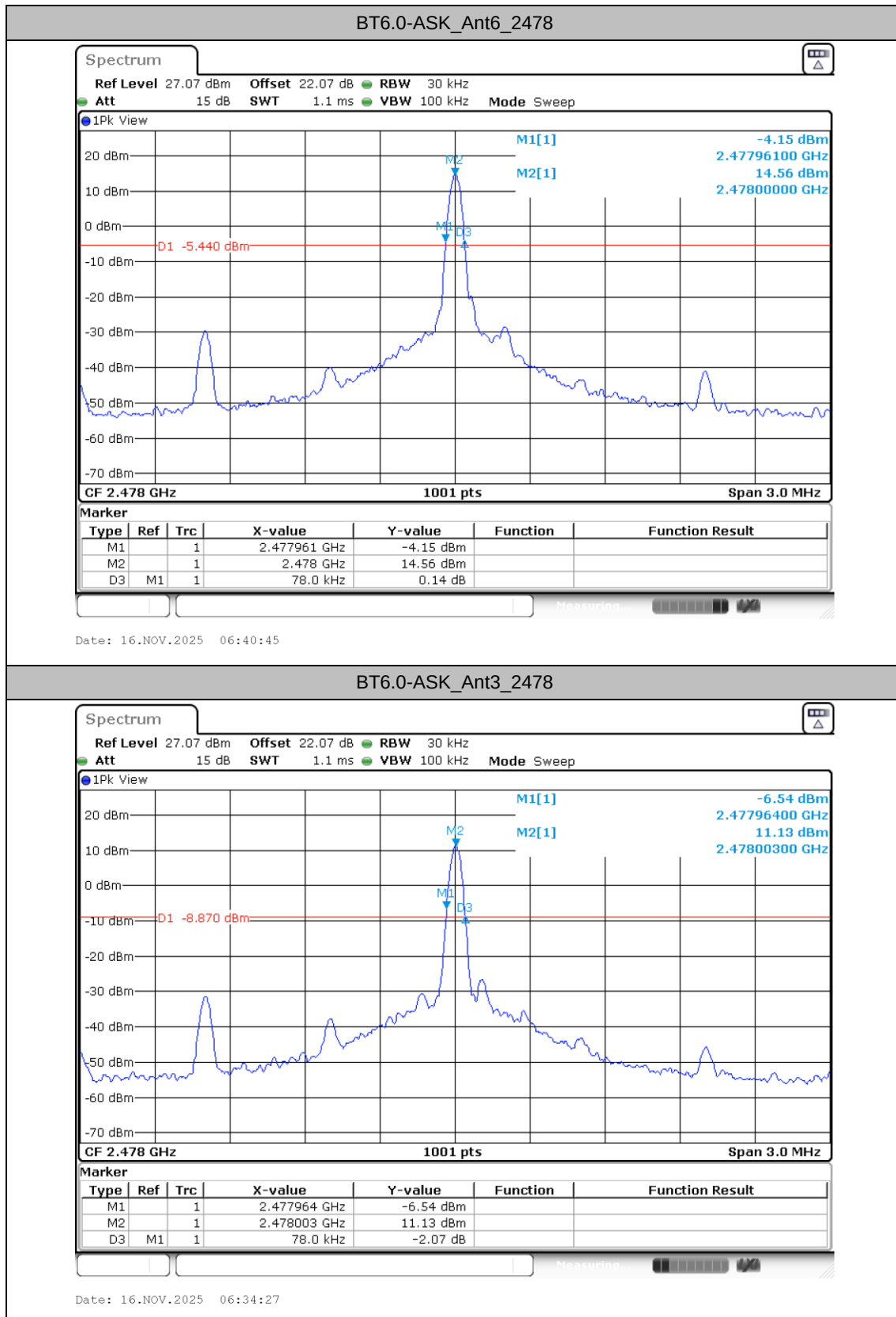
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]
BT6.0-ASK	Ant6	2404	0.08	2403.96	2404.04
	Ant3	2404	0.08	2403.96	2404.04
	Ant6	2440	0.08	2439.96	2440.04
	Ant3	2440	0.08	2439.96	2440.04
	Ant6	2478	0.08	2477.96	2478.04
	Ant3	2478	0.08	2477.96	2478.04



Test Graphs









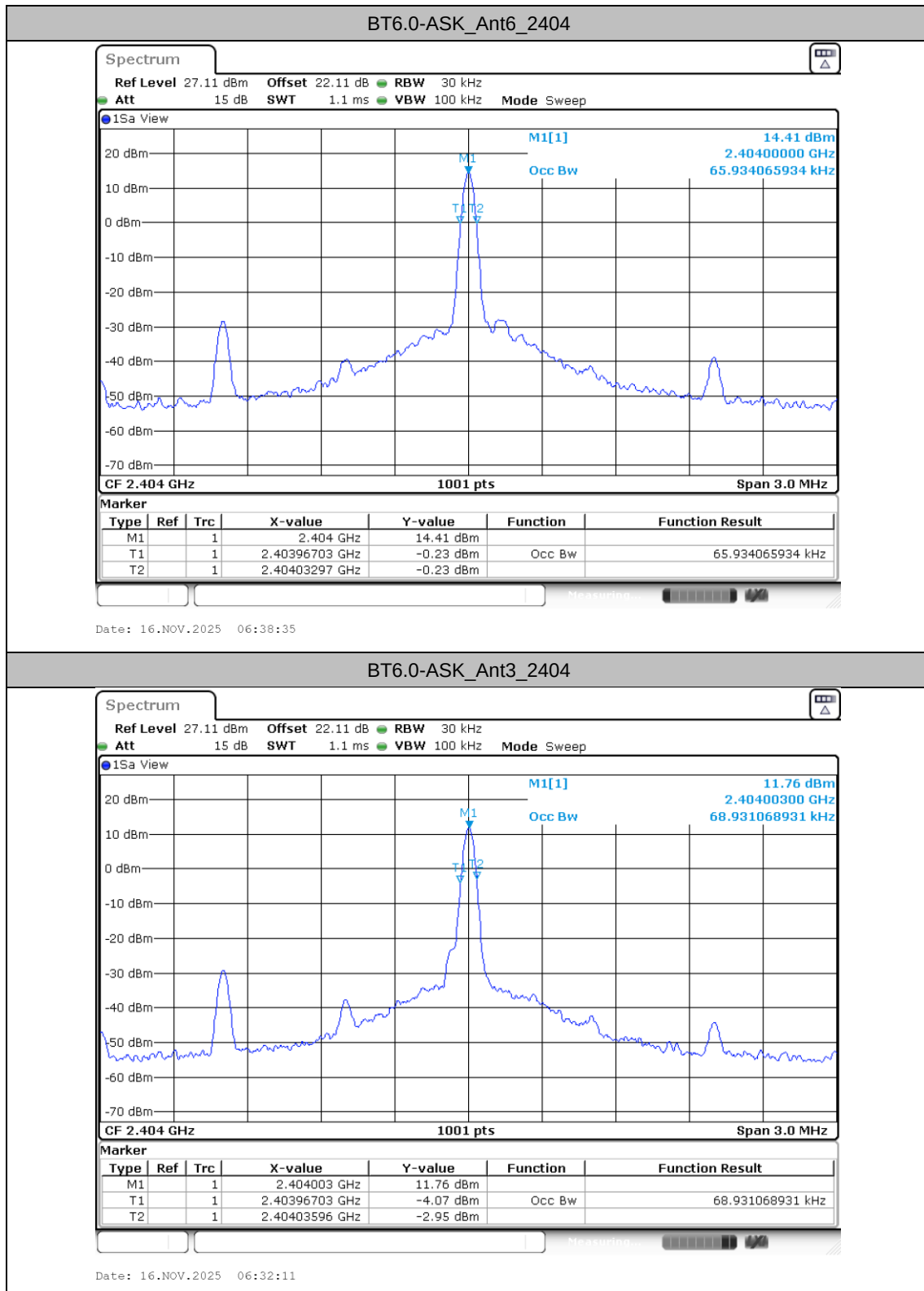
Occupied Channel Bandwidth

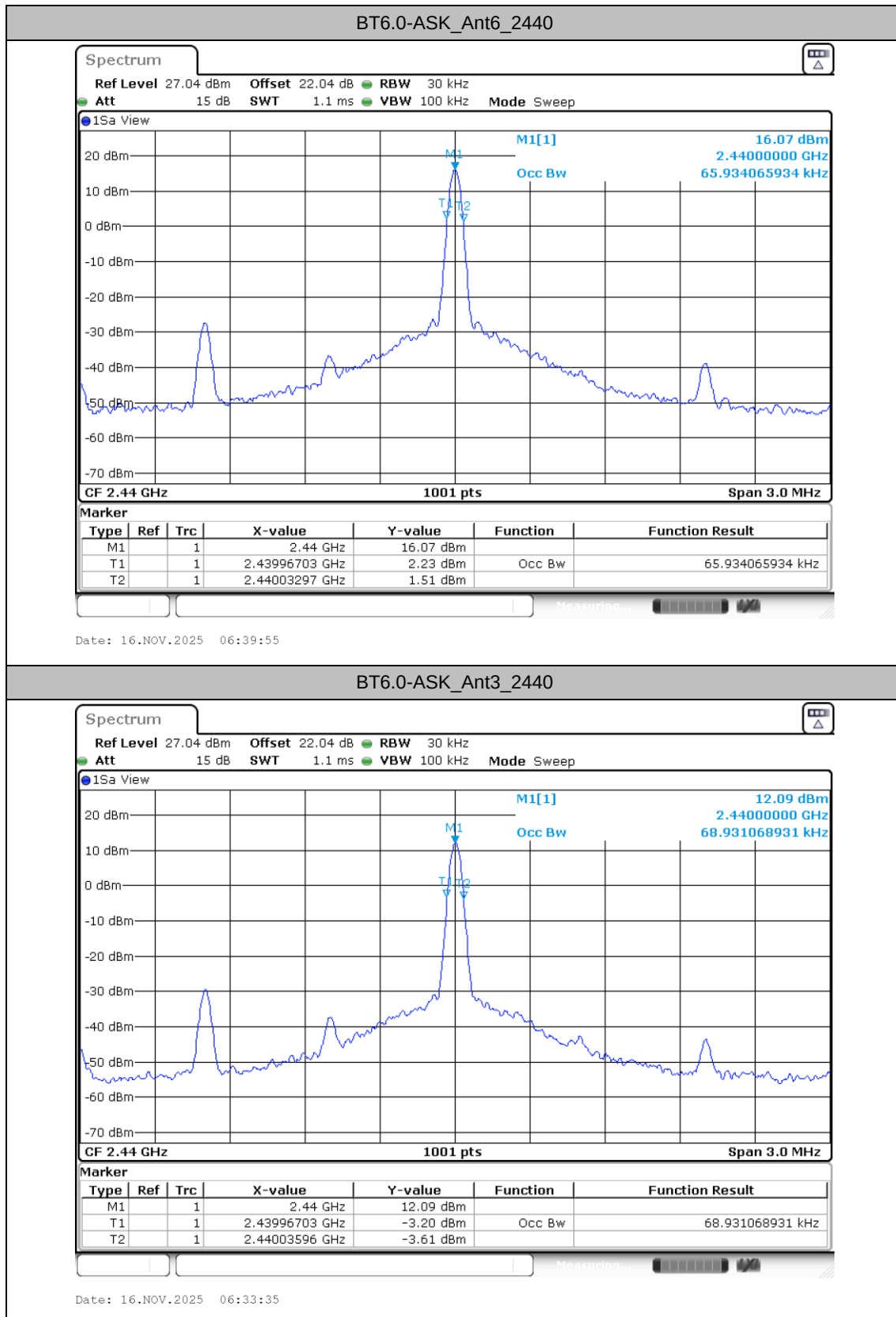
Test Result

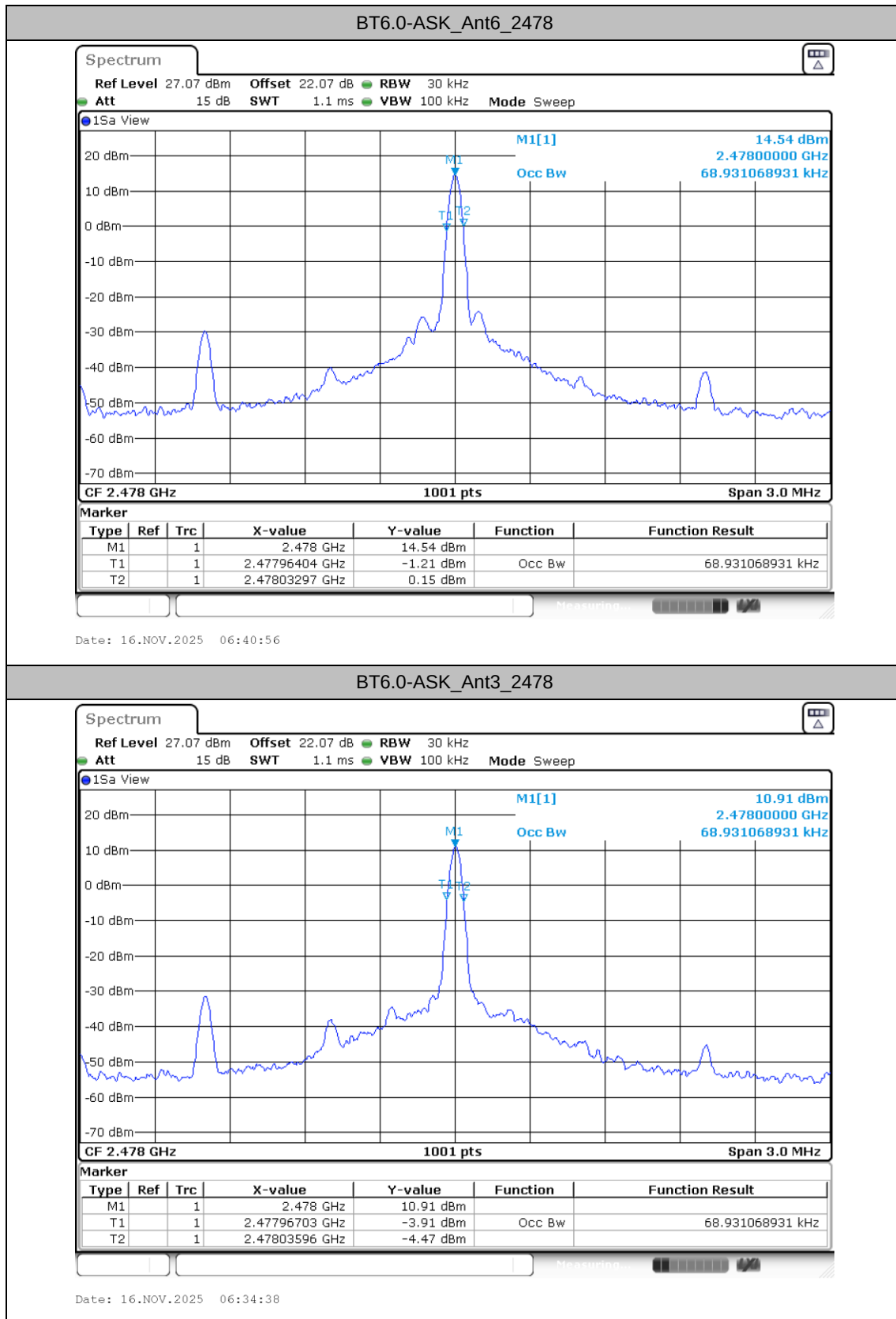
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]
BT6.0-ASK	Ant6	2404	0.066	2403.9670	2404.0330
	Ant3	2404	0.069	2403.9670	2404.0360
	Ant6	2440	0.066	2439.9670	2440.0330
	Ant3	2440	0.069	2439.9670	2440.0360
	Ant6	2478	0.069	2477.9640	2478.0330
	Ant3	2478	0.069	2477.9670	2478.0360



Test Graphs









Maximum conducted output power

Test Result Peak

TestMode	Antenna	CH.	Peak Conducted Power (dBm)	Conducted Power Limit	Pass/Fail	Power Setting
ASK	Ant 6	2	18.43	20.97	Pass	10
		38	19.95	20.97	Pass	10
		76	18.83	20.97	Pass	10
ASK	Ant 3	2	16.15	20.97	Pass	10
		38	16.80	20.97	Pass	10
		76	15.74	20.97	Pass	10



Test Result Average

TestMode	Antenna	CH.	Duty Factor (dB)	Average Conducted Power (dBm)	Power Setting
ASK	Ant 6	2	0.00	18.12	10.00
		38	0.00	19.88	10.00
		76	0.00	18.49	10.00
ASK	Ant 3	2	0.00	16.00	10.00
		38	0.00	16.71	10.00
		76	0.00	15.43	10.00



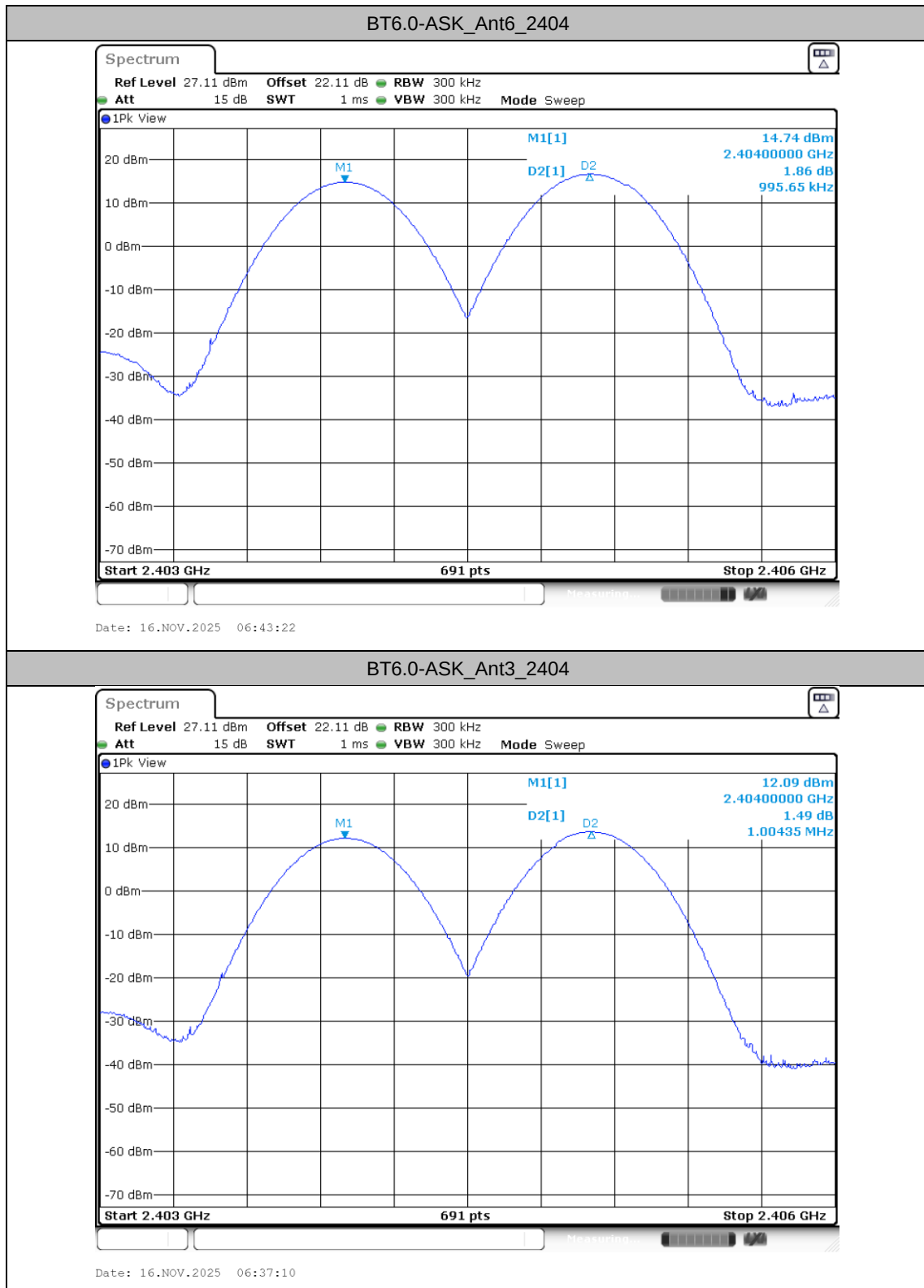
Carrier frequency separation

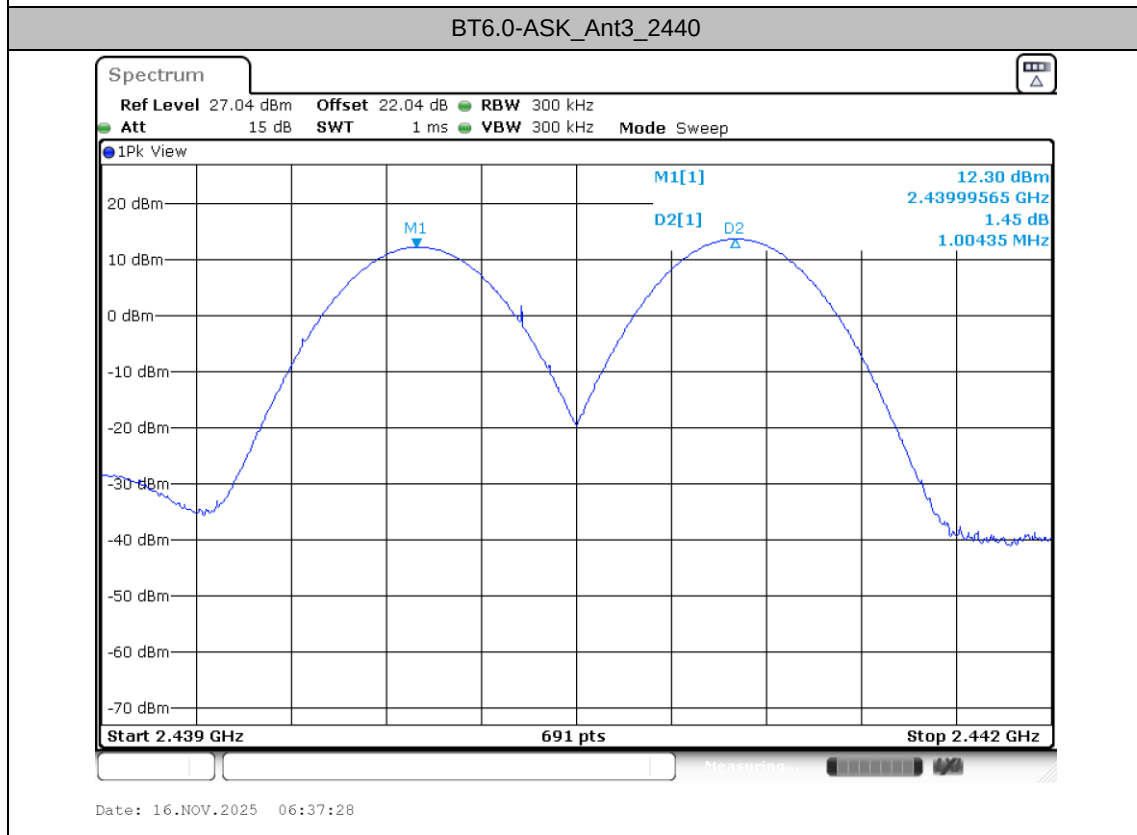
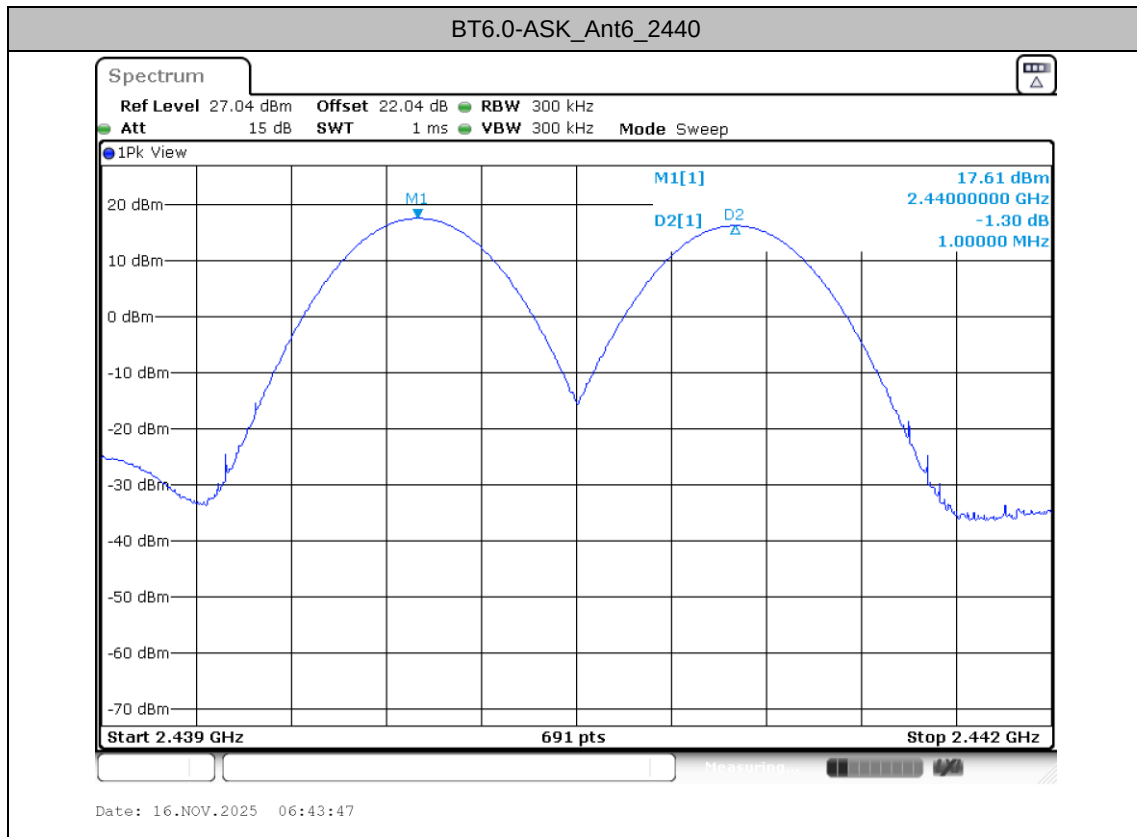
Test Result

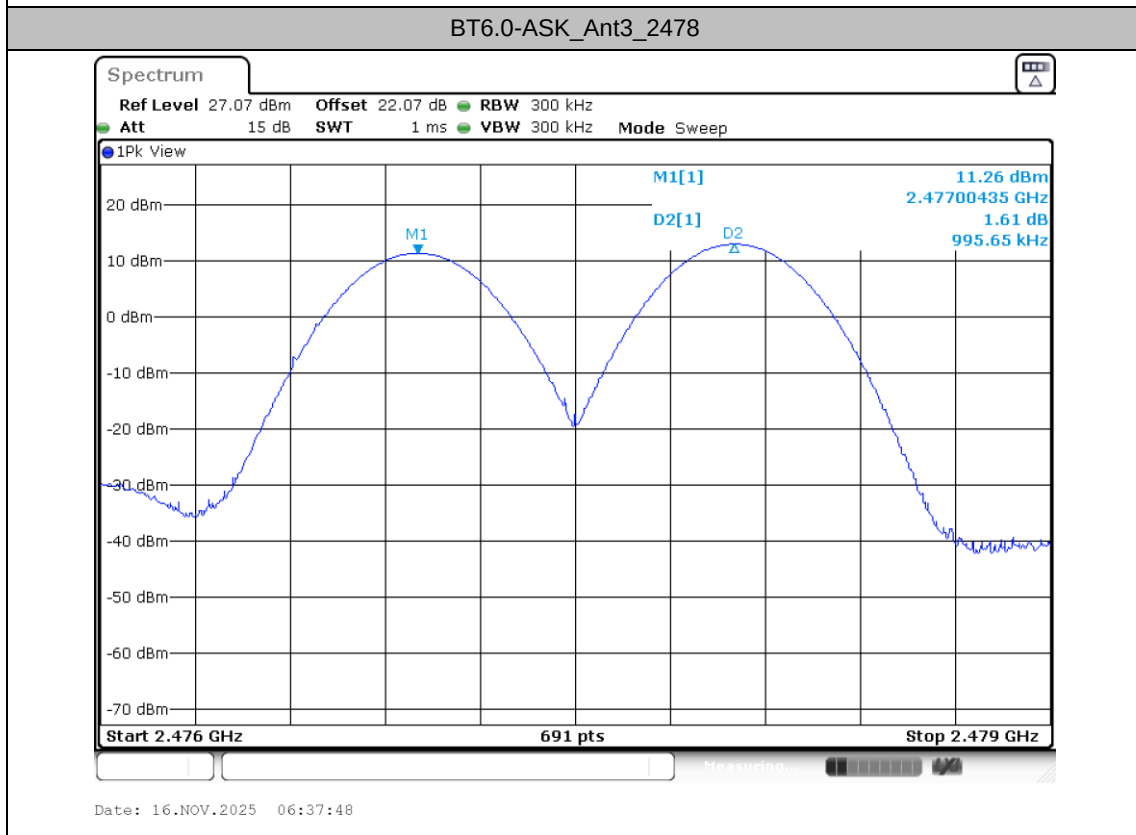
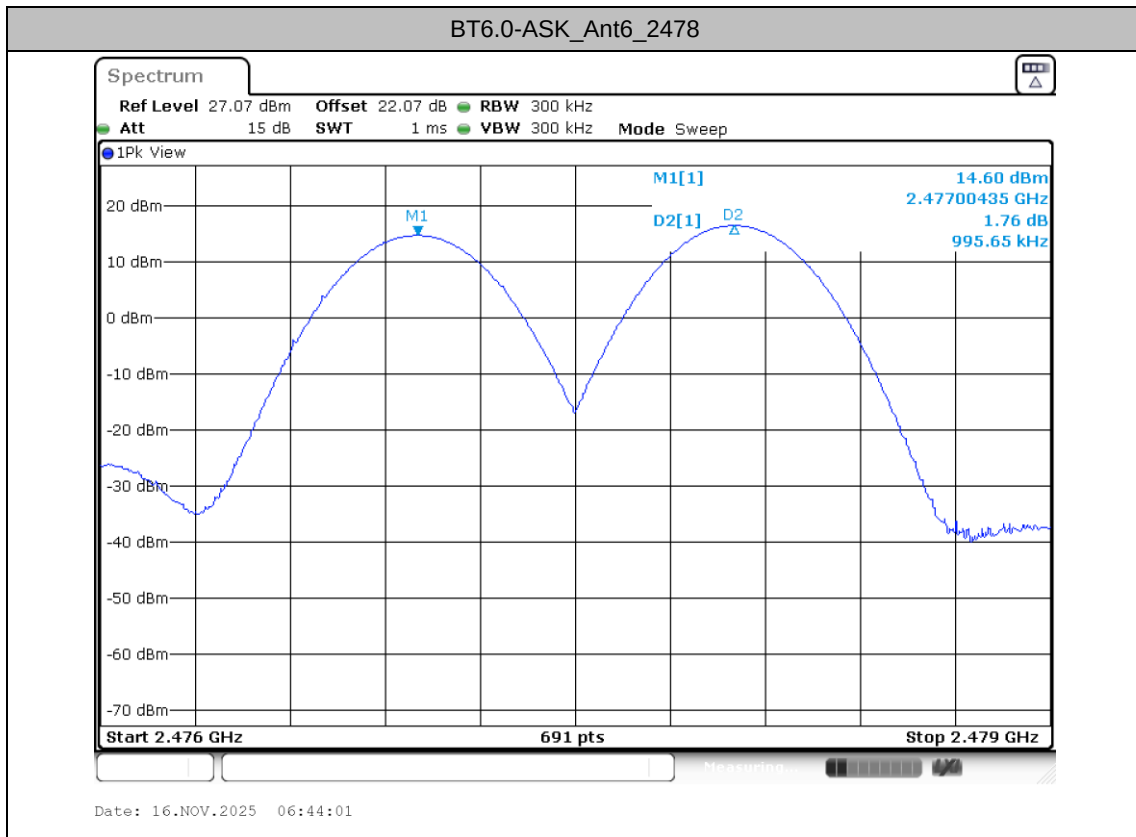
Test Mode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
BT6.0-ASK	Ant6	2404	0.996	≥ 0.054	PASS
	Ant3	2404	1.004	≥ 0.052	PASS
	Ant6	2440	1.000	≥ 0.052	PASS
	Ant3	2440	1.004	≥ 0.052	PASS
	Ant6	2478	0.996	≥ 0.052	PASS
	Ant3	2478	0.996	≥ 0.052	PASS



Test Graphs









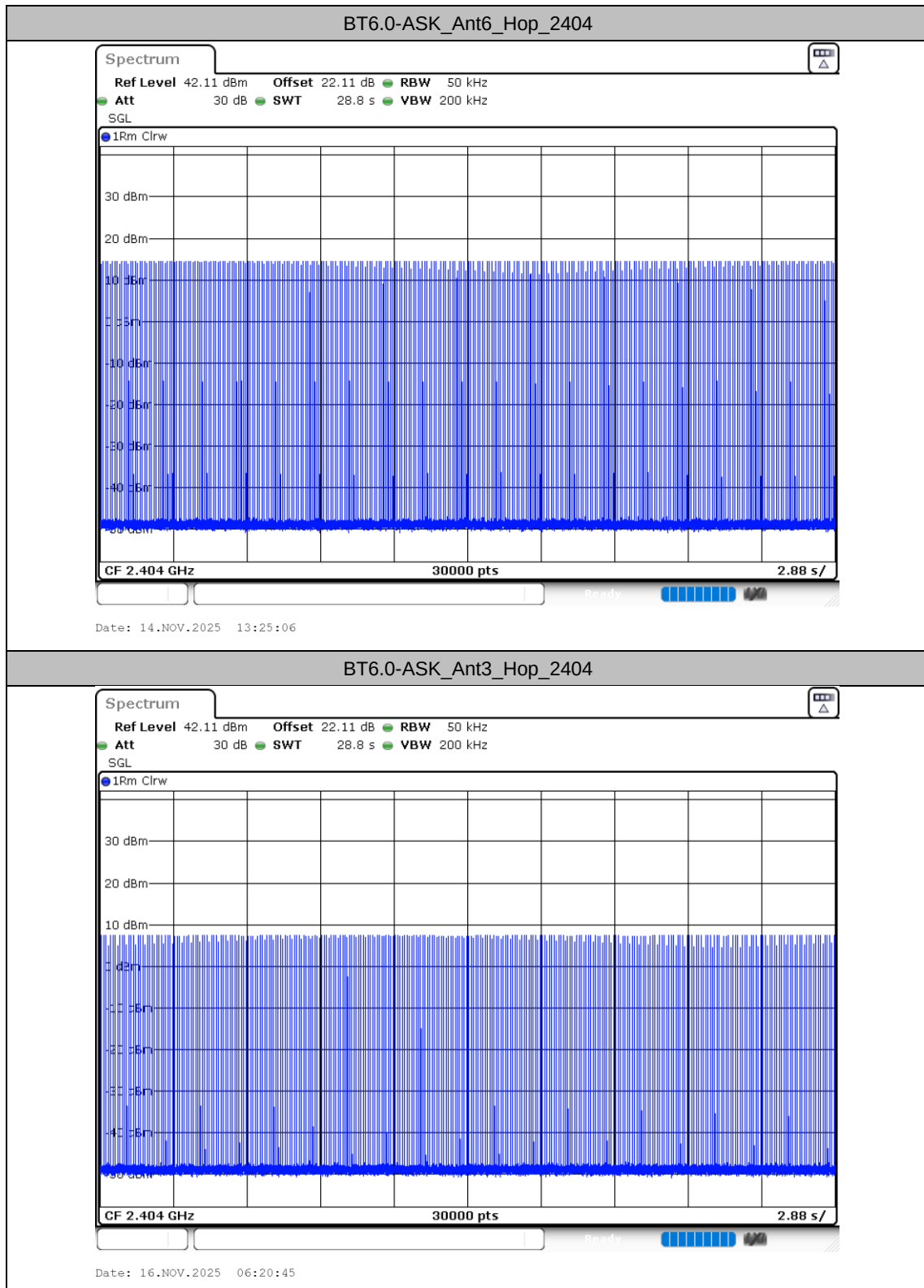
Time of occupancy

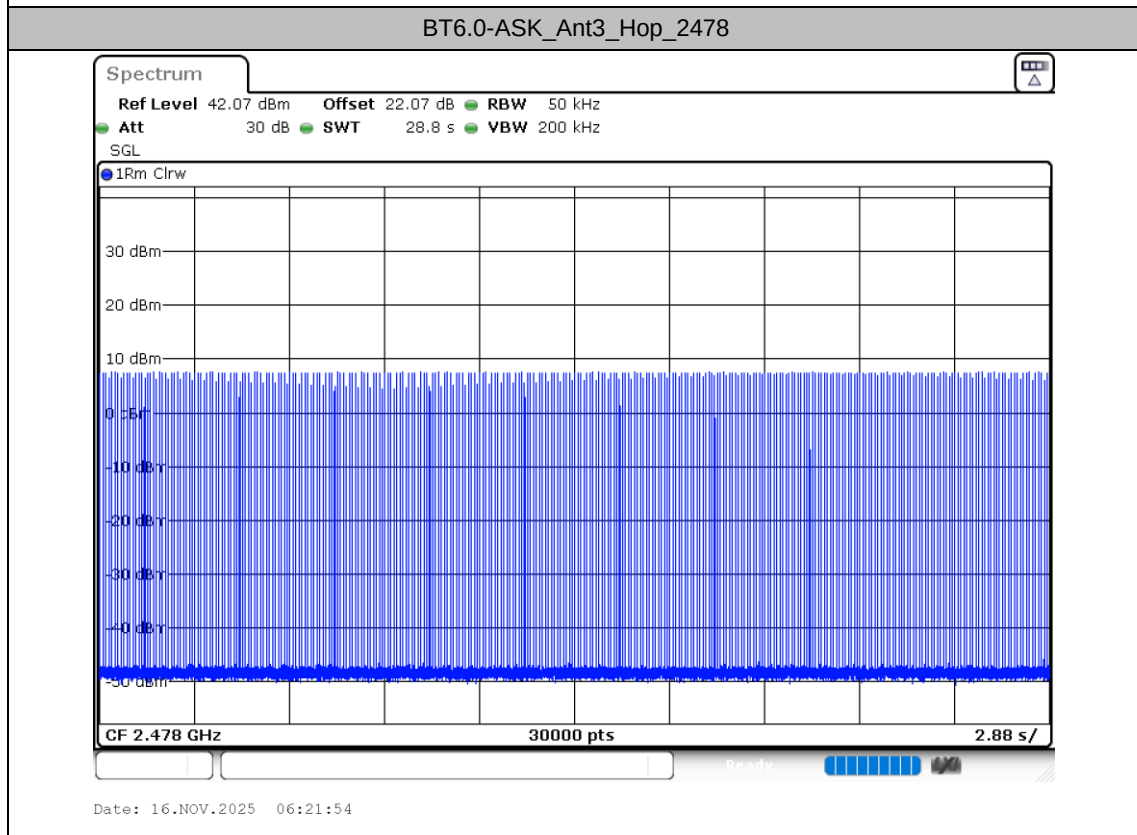
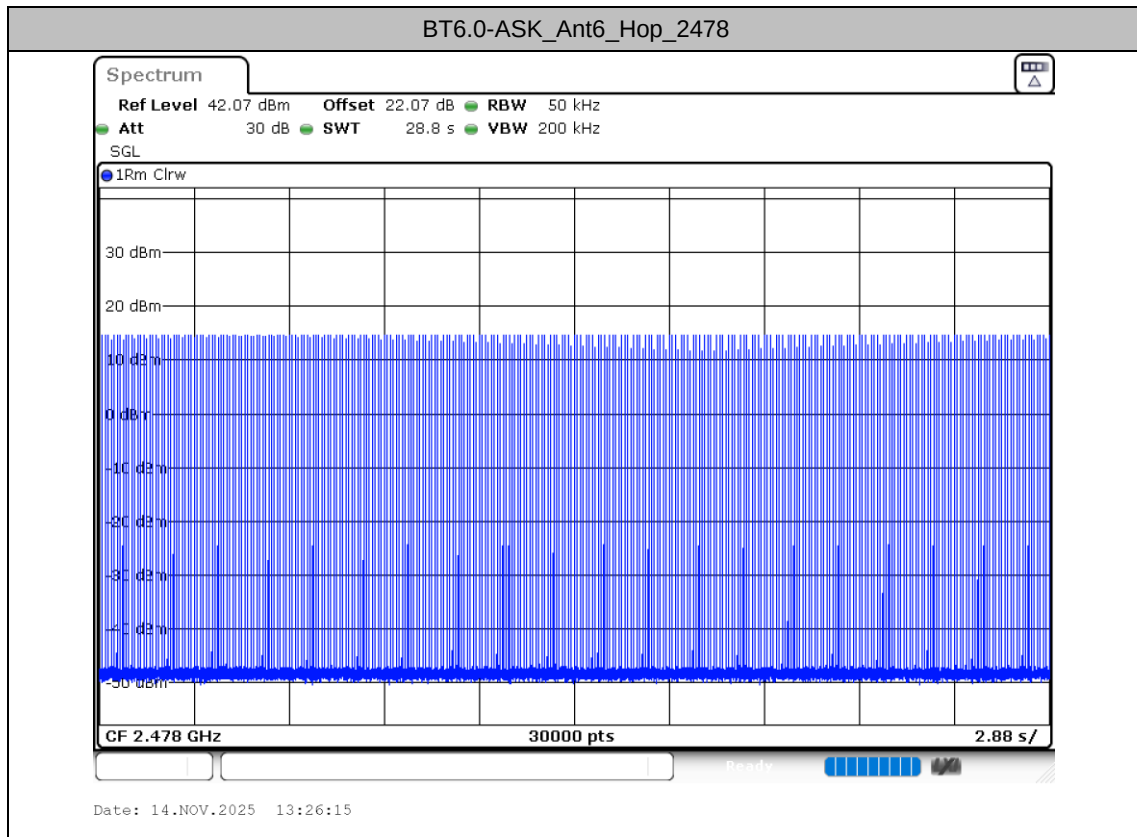
Test Result

TestMode	Antenna	Freq(MHz)	Result [ms]	Limit[ms]	Verdict
BT6.0-ASK	Ant6	Hop_2404	105.808	400	PASS
	Ant3	Hop_2404	105.808	400	PASS
	Ant6	Hop_2478	105.536	400	PASS
	Ant3	Hop_2478	105.808	400	PASS



Test Graphs







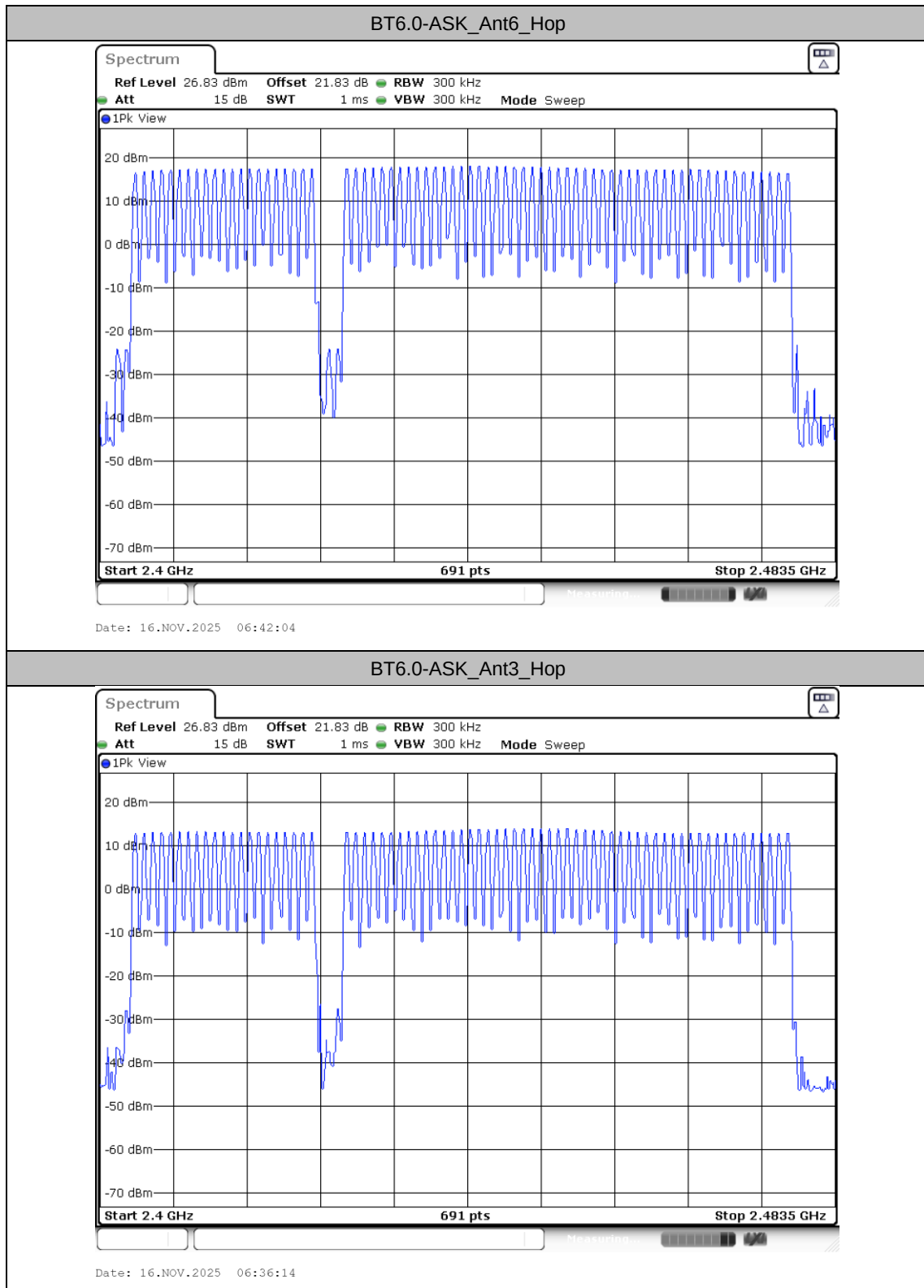
Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
BT6.0-ASK	Ant6	Hop	72	≥15	PASS
	Ant3	Hop	72	≥15	PASS



Test Graphs





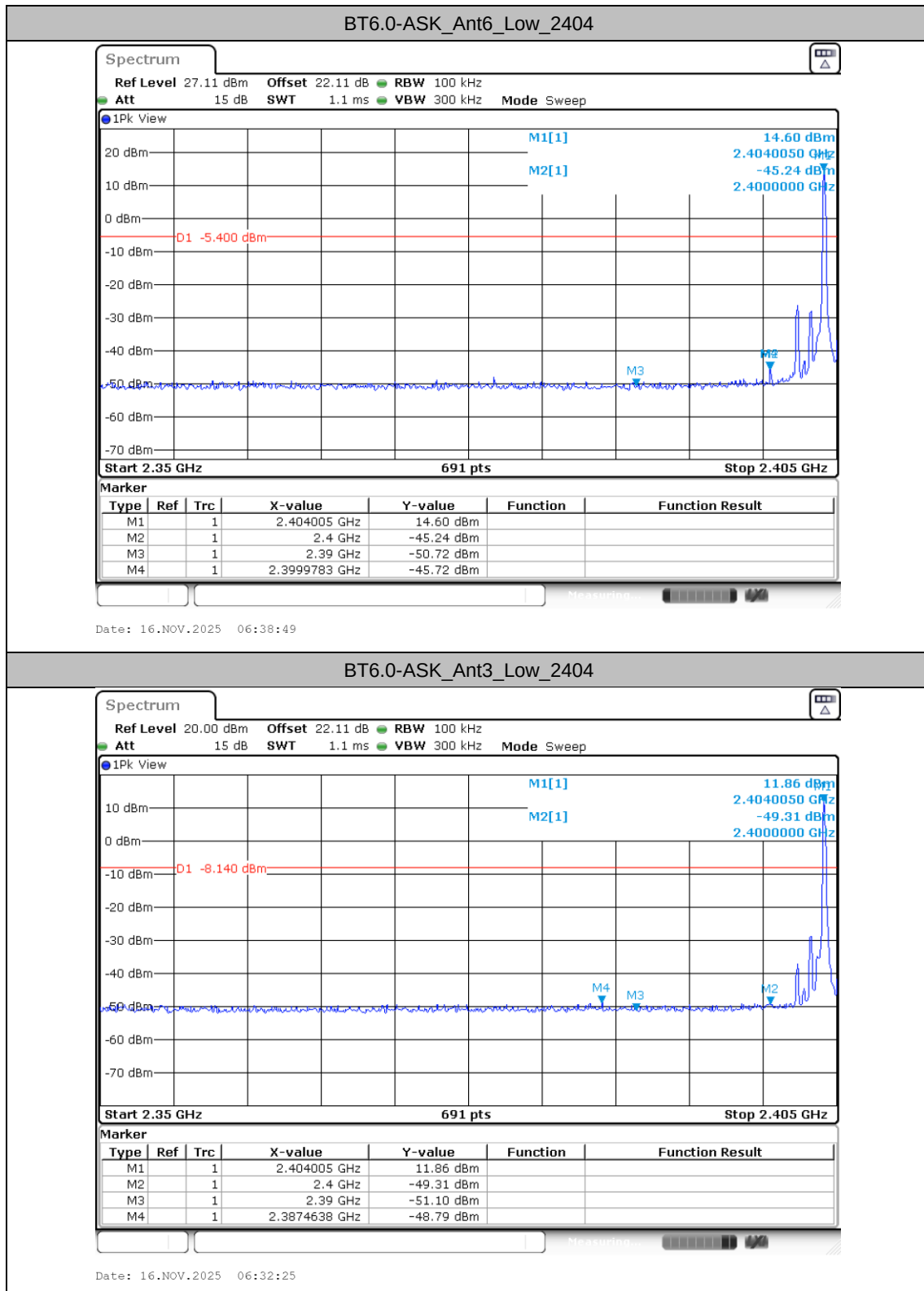
Band edge measurements

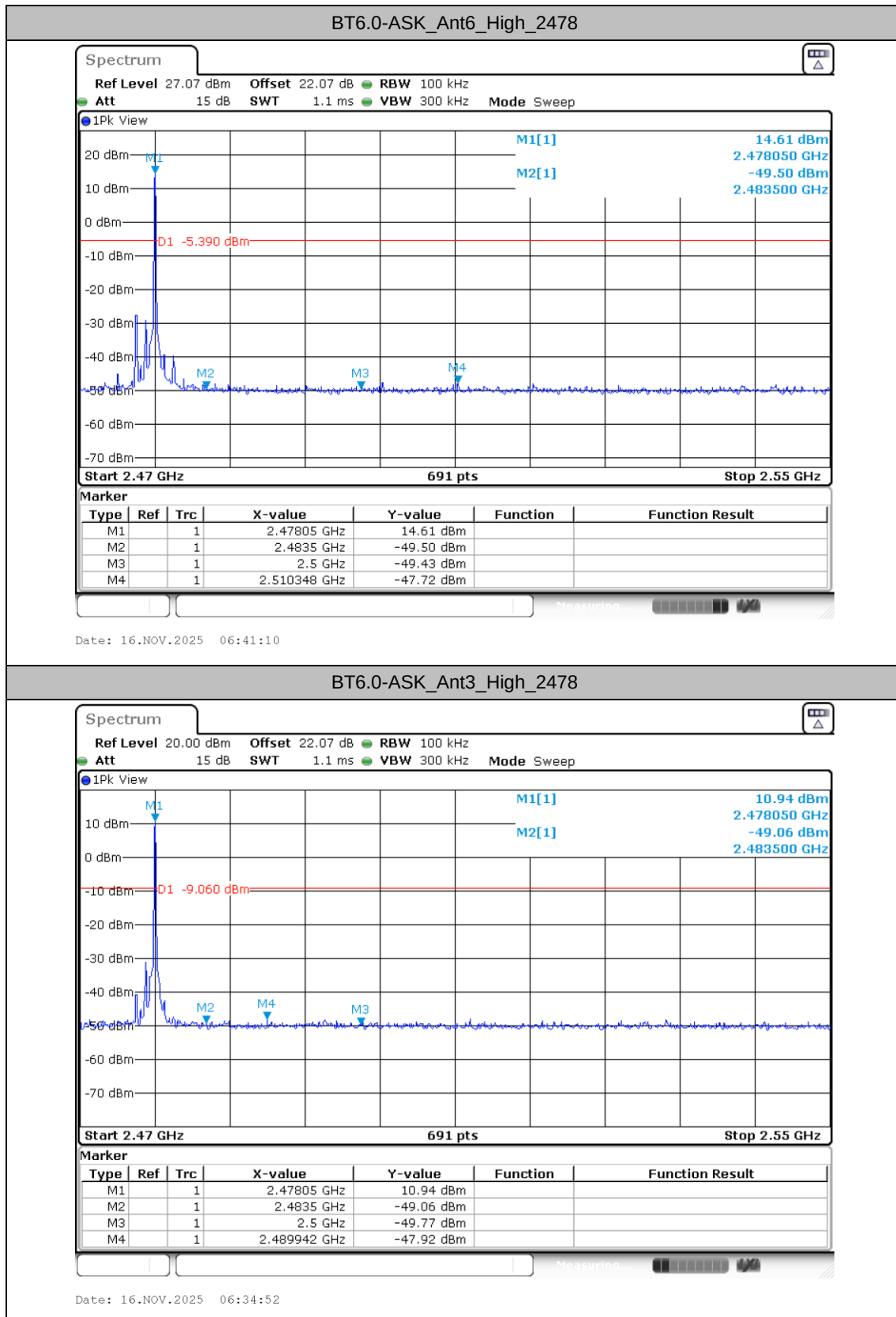
Test Result

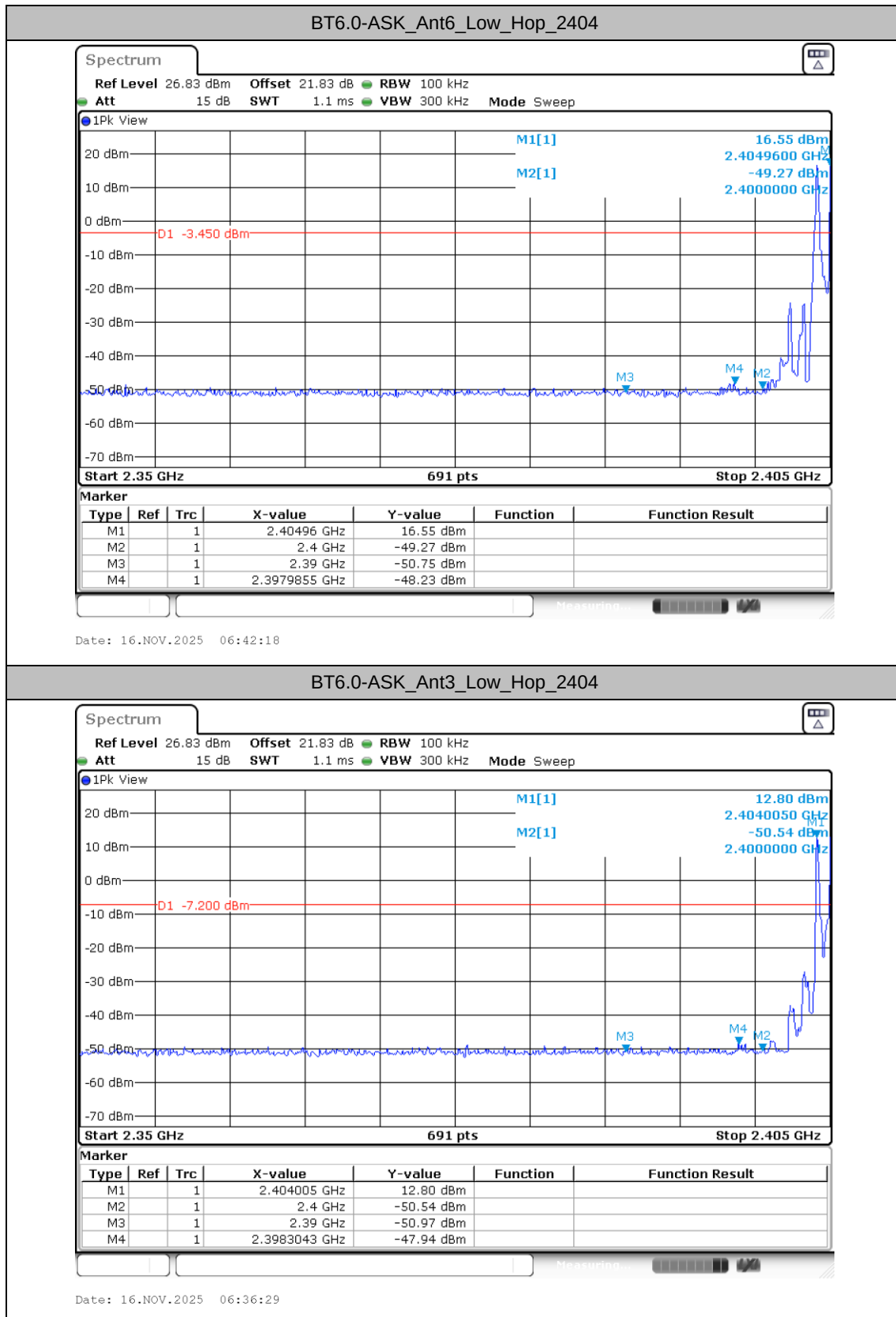
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BT6.0-ASK	Ant6	Low	2404	14.60	-45.72	≤ -5.4	PASS
	Ant3	Low	2404	11.86	-48.79	≤ -8.14	PASS
	Ant6	High	2478	14.61	-47.72	≤ -5.39	PASS
	Ant3	High	2478	10.94	-47.92	≤ -9.06	PASS
	Ant6	Low	Hop_2404	16.55	-48.23	≤ -3.45	PASS
	Ant3	Low	Hop_2404	12.80	-47.94	≤ -7.2	PASS
	Ant6	High	Hop_2478	17.23	-46.07	≤ -2.77	PASS
	Ant3	High	Hop_2478	13.24	-47.94	≤ -6.76	PASS

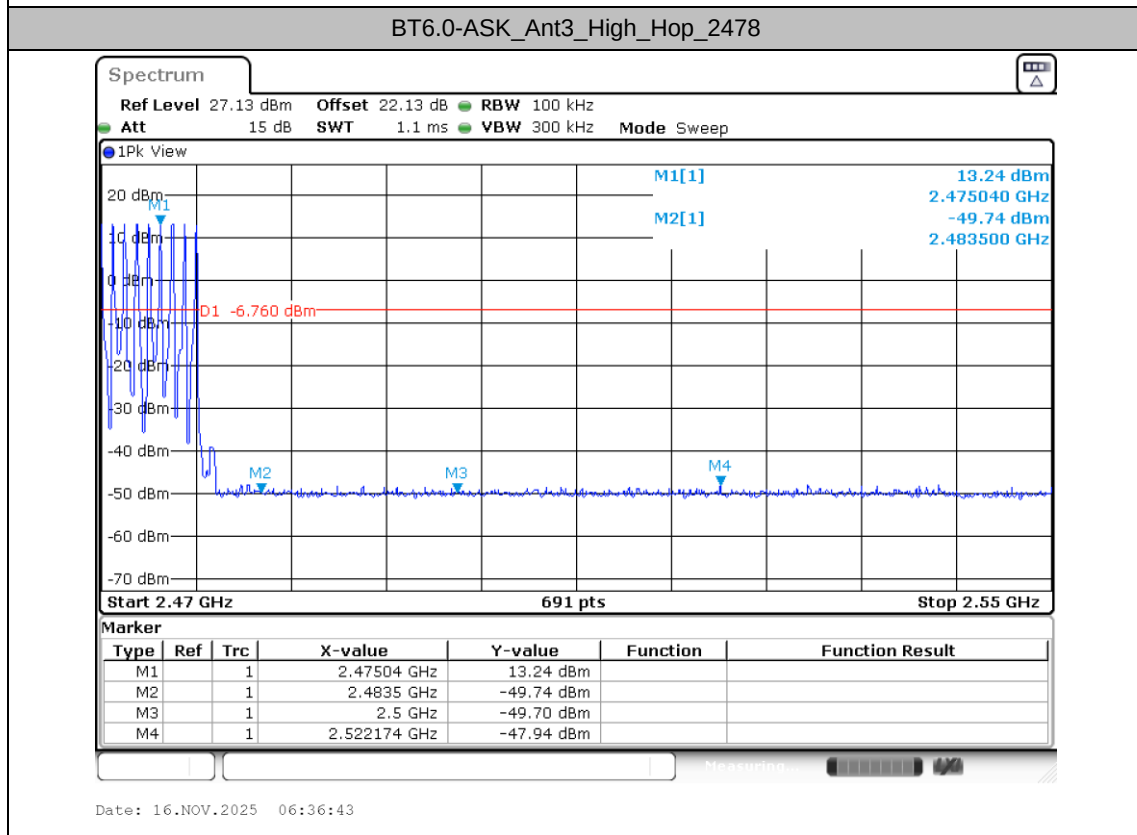
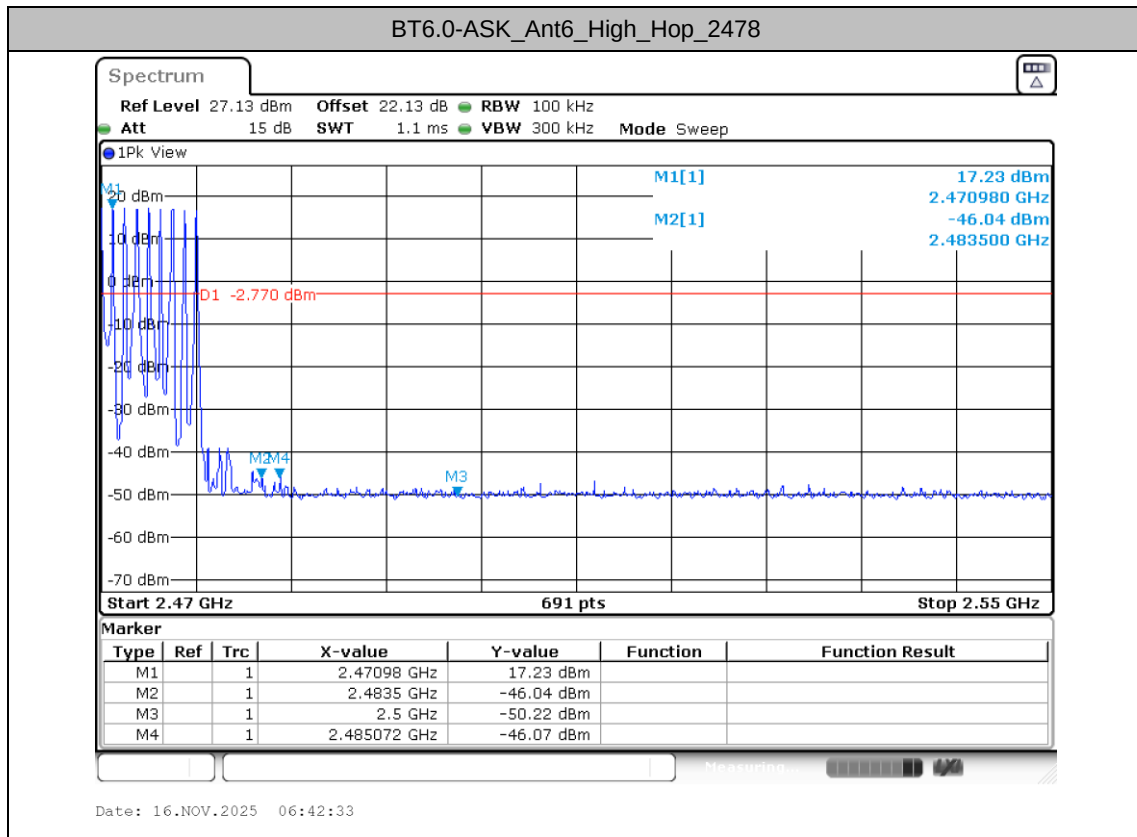


Test Graphs









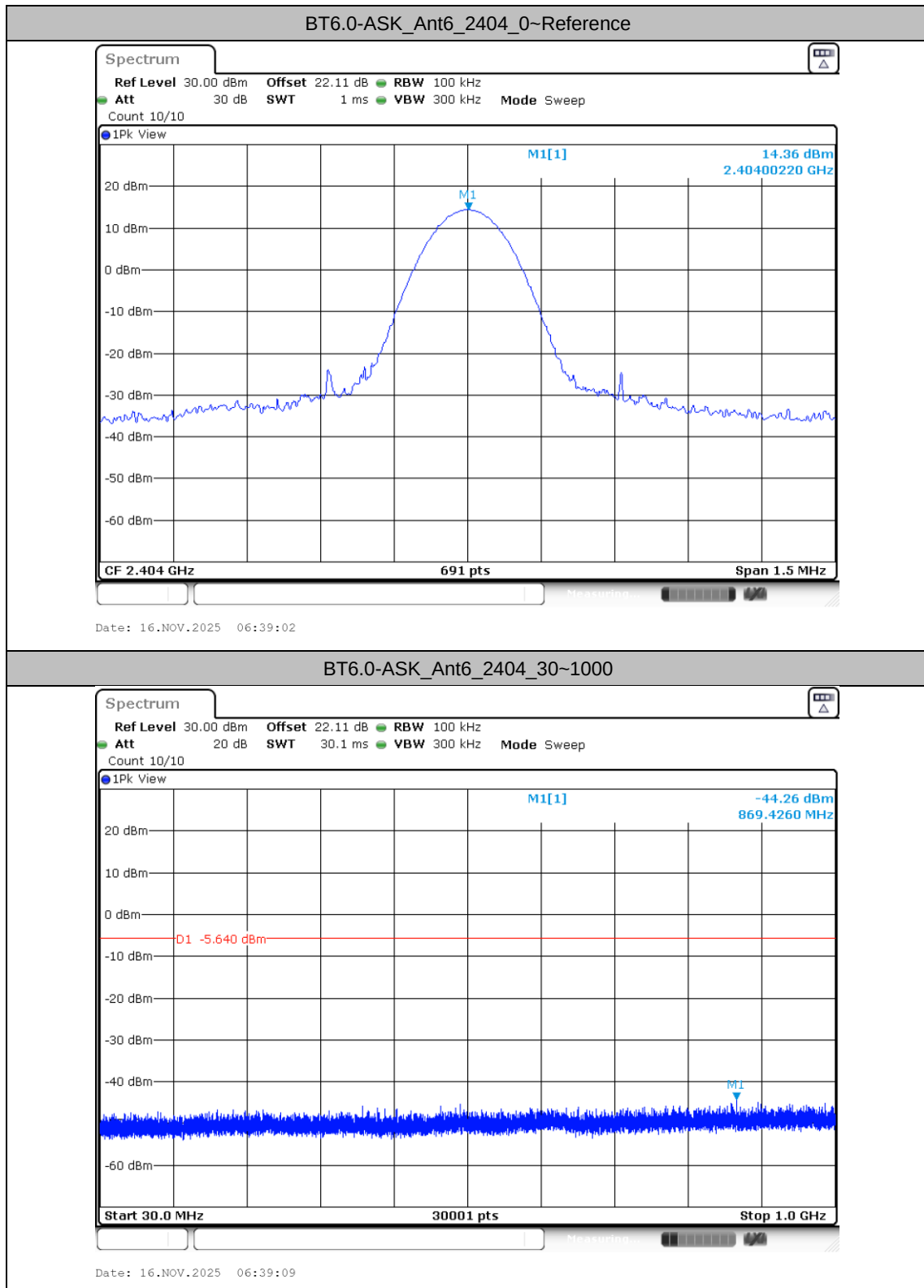
Conducted Spurious Emission

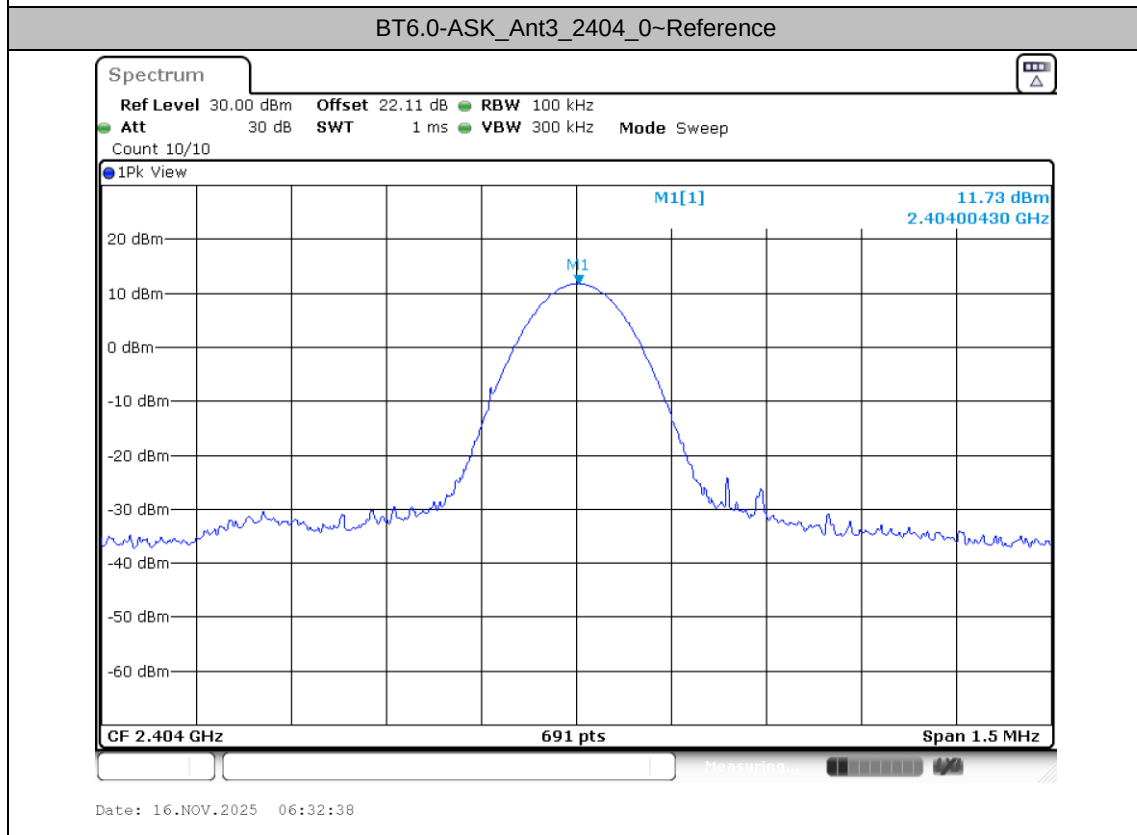
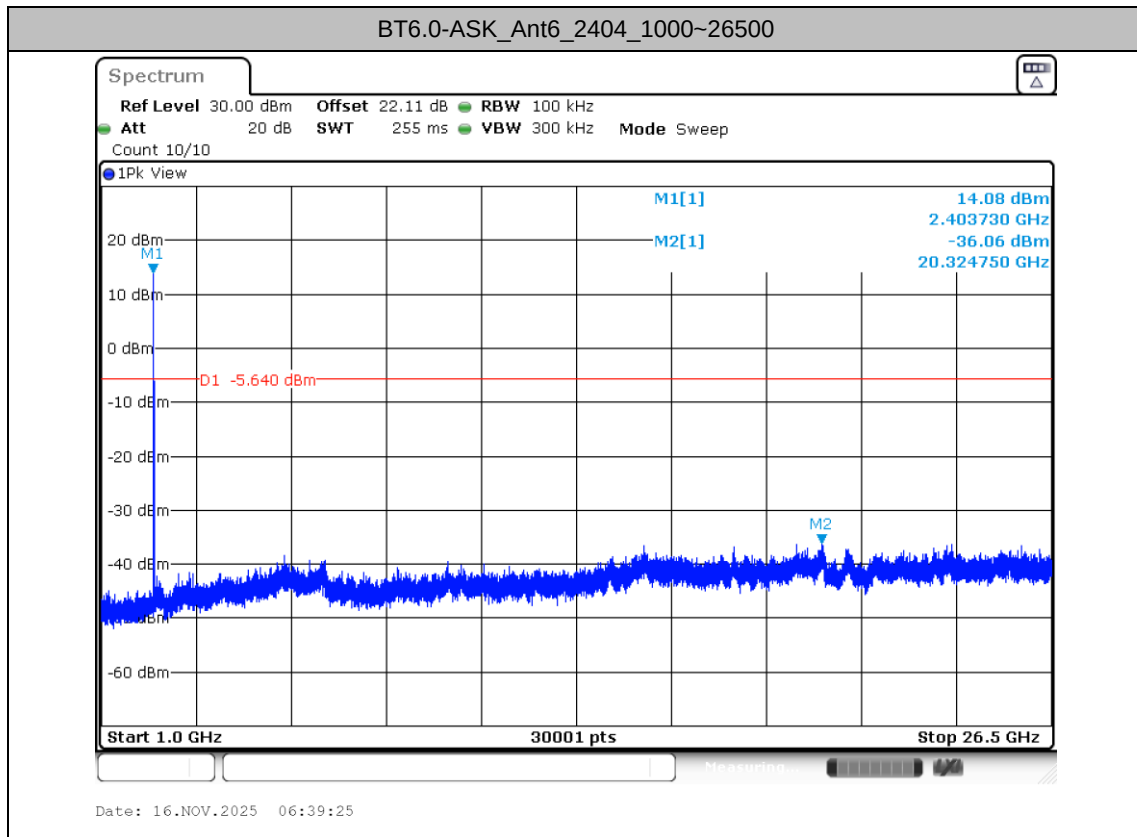
Test Result

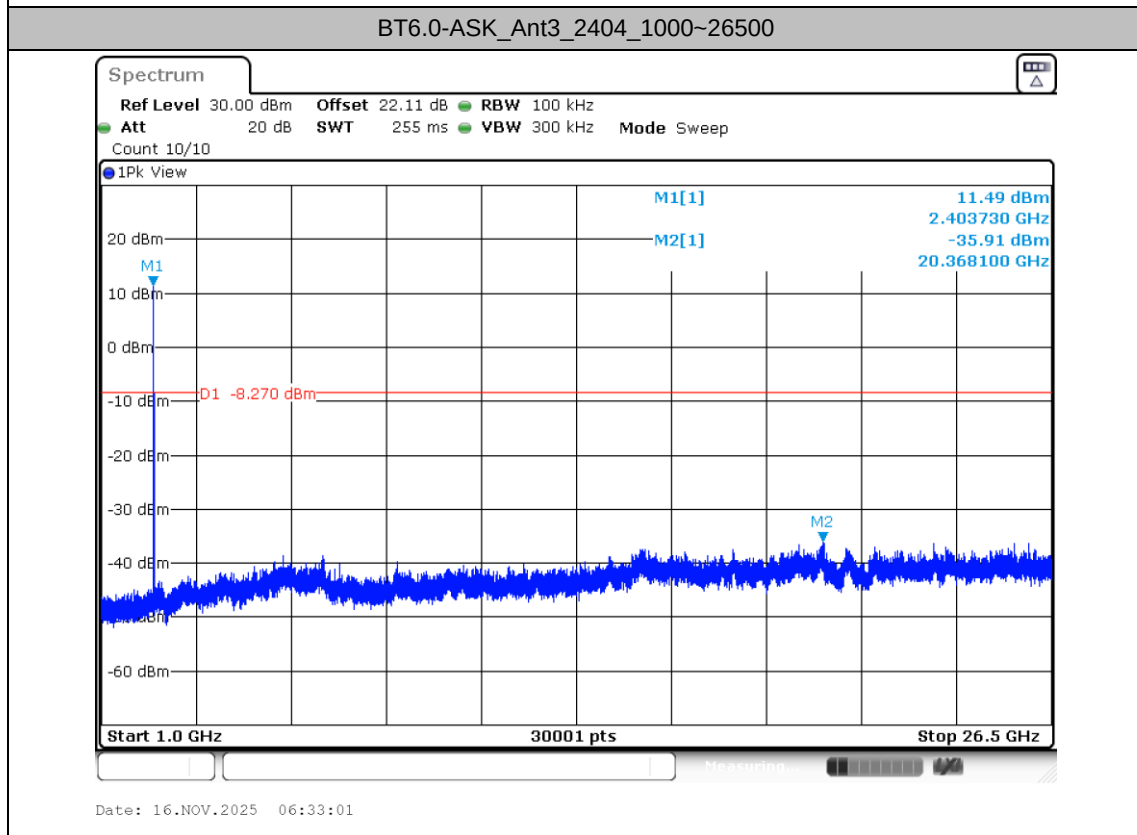
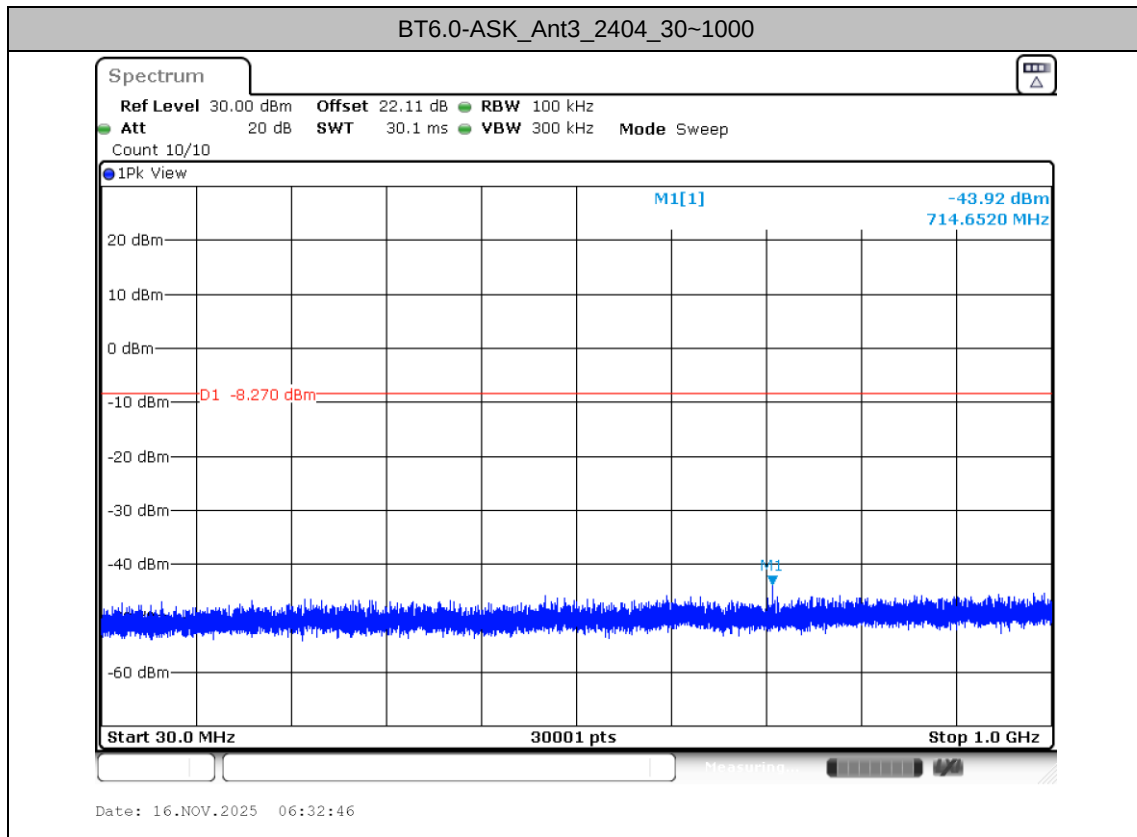
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BT6.0-ASK	Ant6	2404	Reference	14.36	14.36	---	PASS
			30~1000	14.36	-44.26	≤-5.64	PASS
			1000~26500	14.36	-36.06	≤-5.64	PASS
	Ant3	2404	Reference	11.73	11.73	---	PASS
			30~1000	11.73	-43.92	≤-8.27	PASS
			1000~26500	11.73	-35.91	≤-8.27	PASS
	Ant6	2440	Reference	16.19	16.19	---	PASS
			30~1000	16.19	-44.59	≤-3.81	PASS
			1000~26500	16.19	-35.29	≤-3.81	PASS
	Ant3	2440	Reference	12.20	12.20	---	PASS
			30~1000	12.20	-44.95	≤-7.8	PASS
			1000~26500	12.20	-36.08	≤-7.8	PASS
	Ant6	2478	Reference	14.70	14.70	---	PASS
			30~1000	14.70	-44.63	≤-5.3	PASS
			1000~26500	14.70	-36.3	≤-5.3	PASS
	Ant3	2478	Reference	11.07	11.07	---	PASS
			30~1000	11.07	-44.38	≤-8.93	PASS
			1000~26500	11.07	-35.85	≤-8.93	PASS

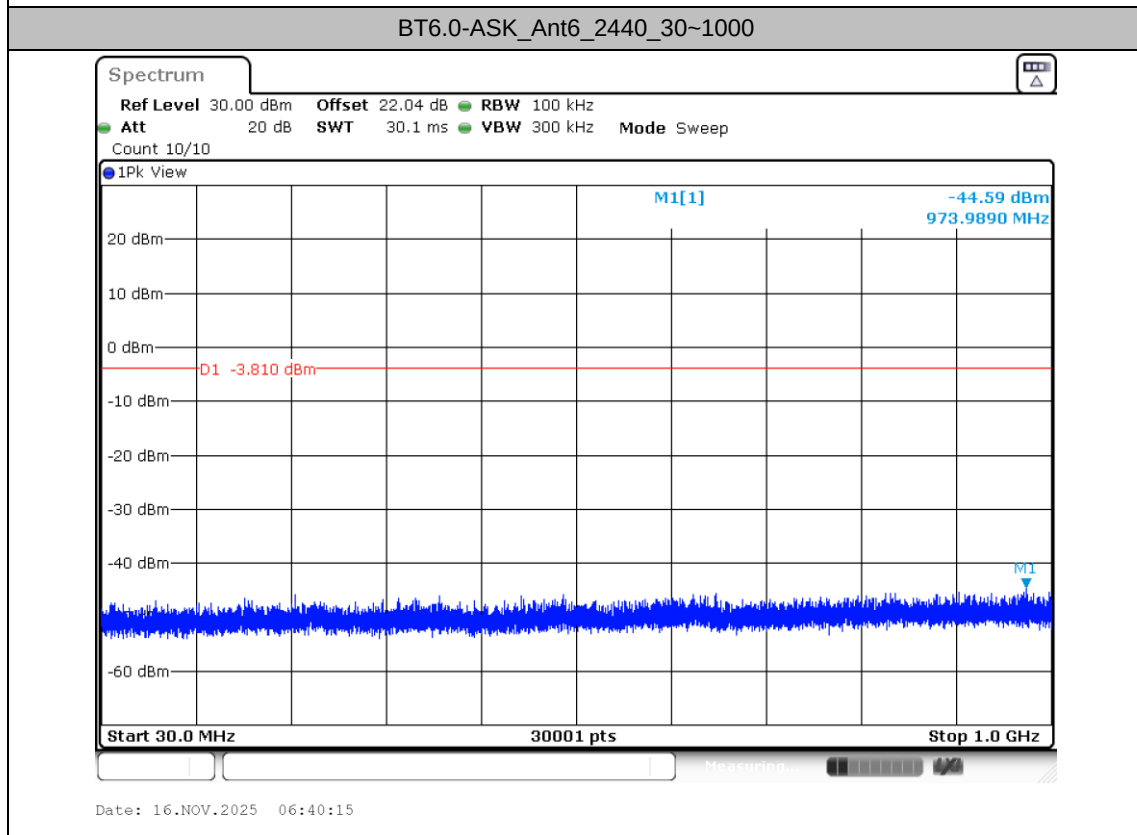
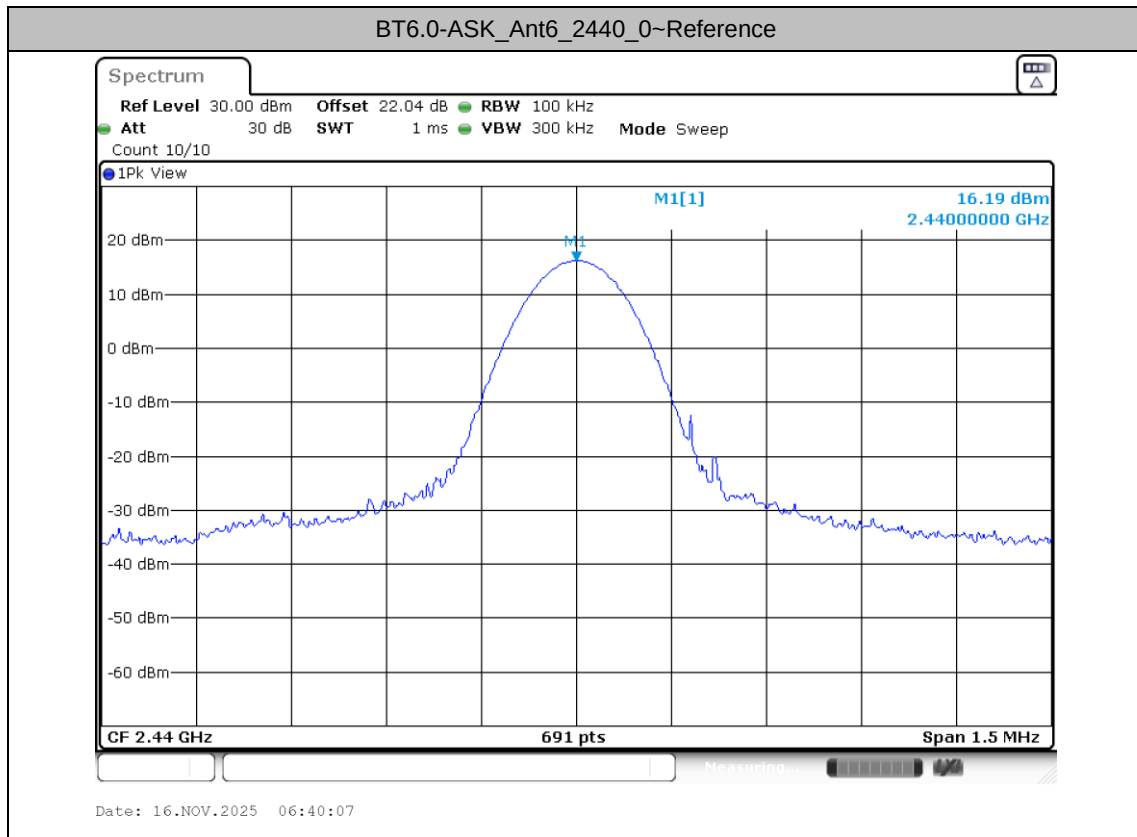


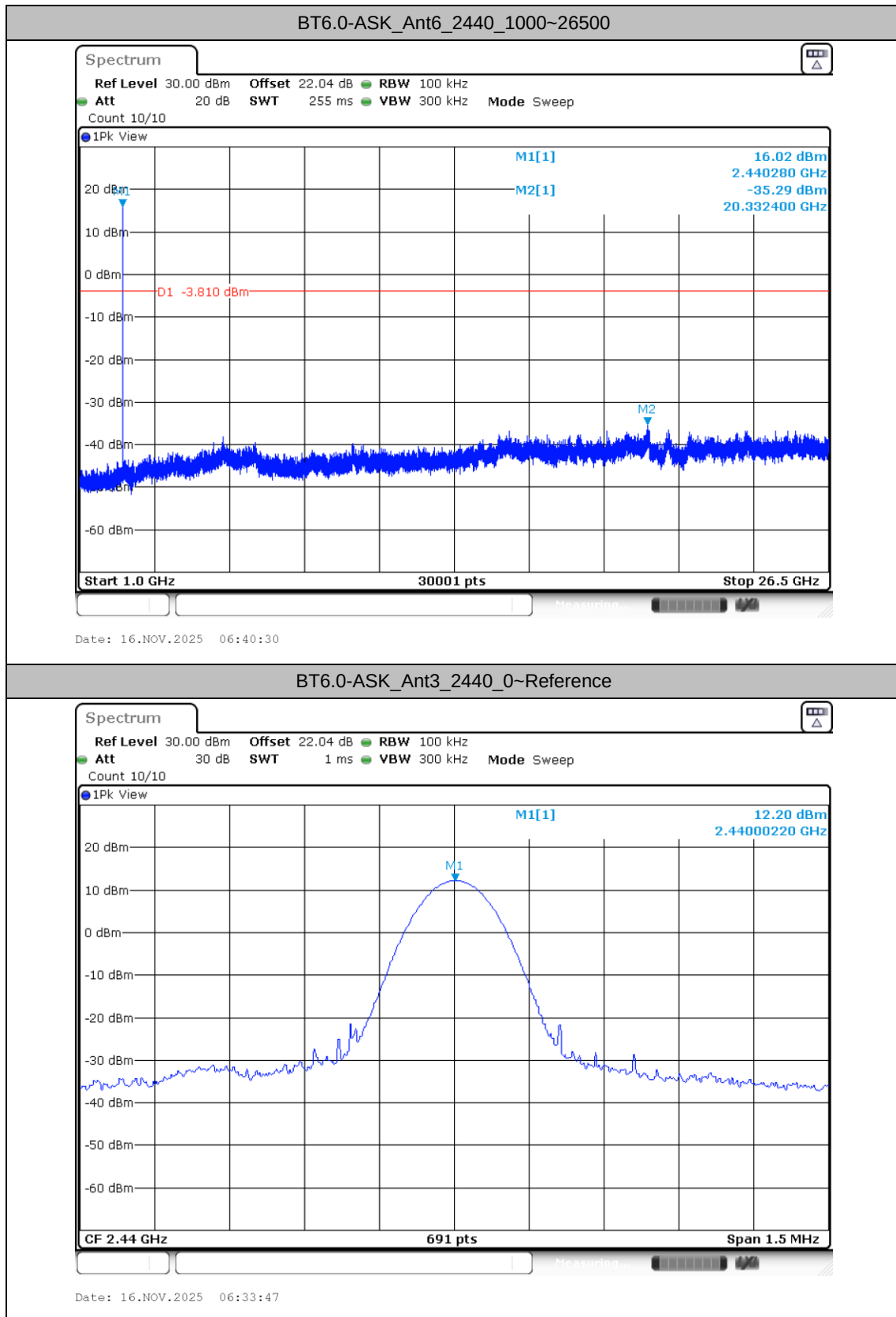
Test Graphs

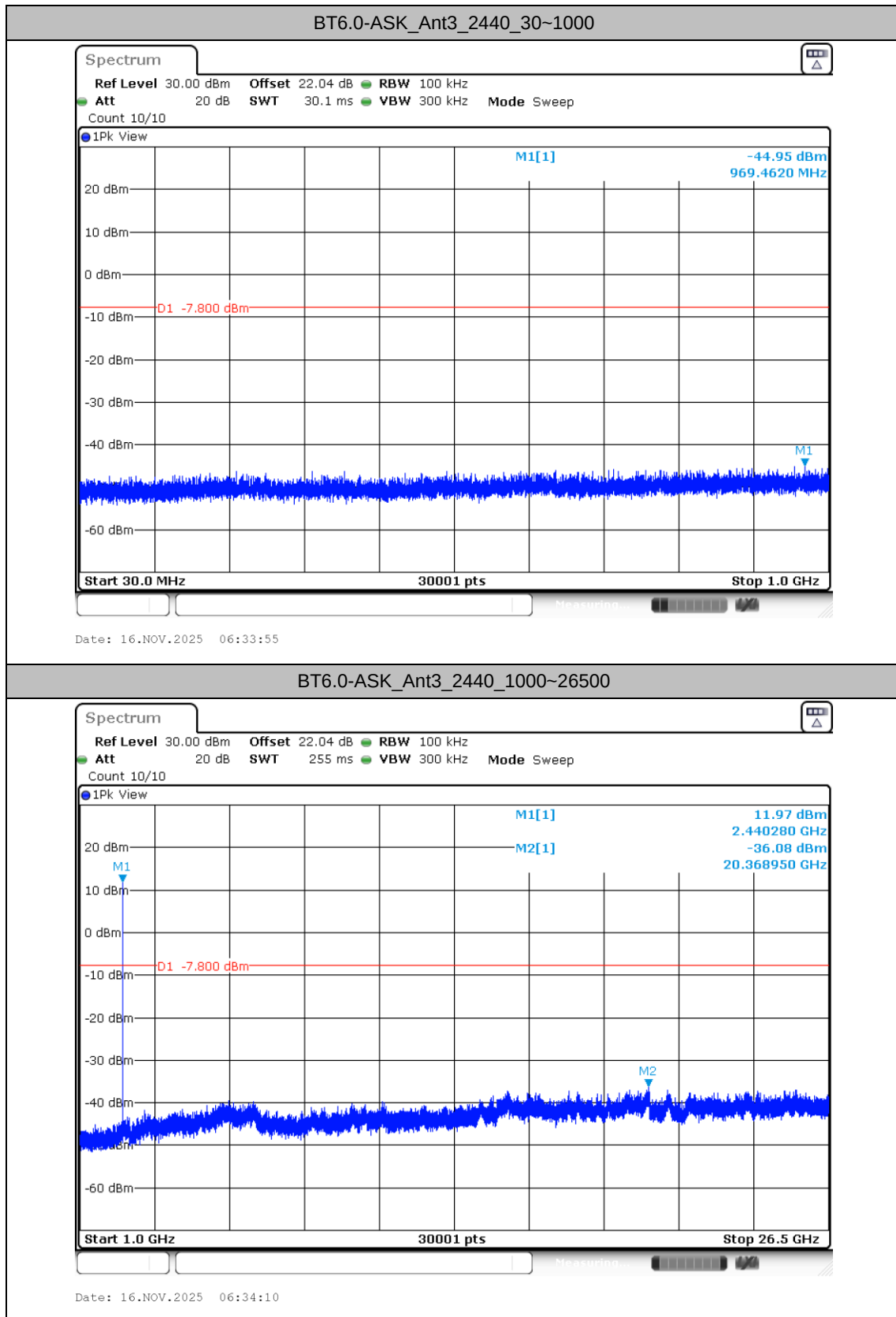


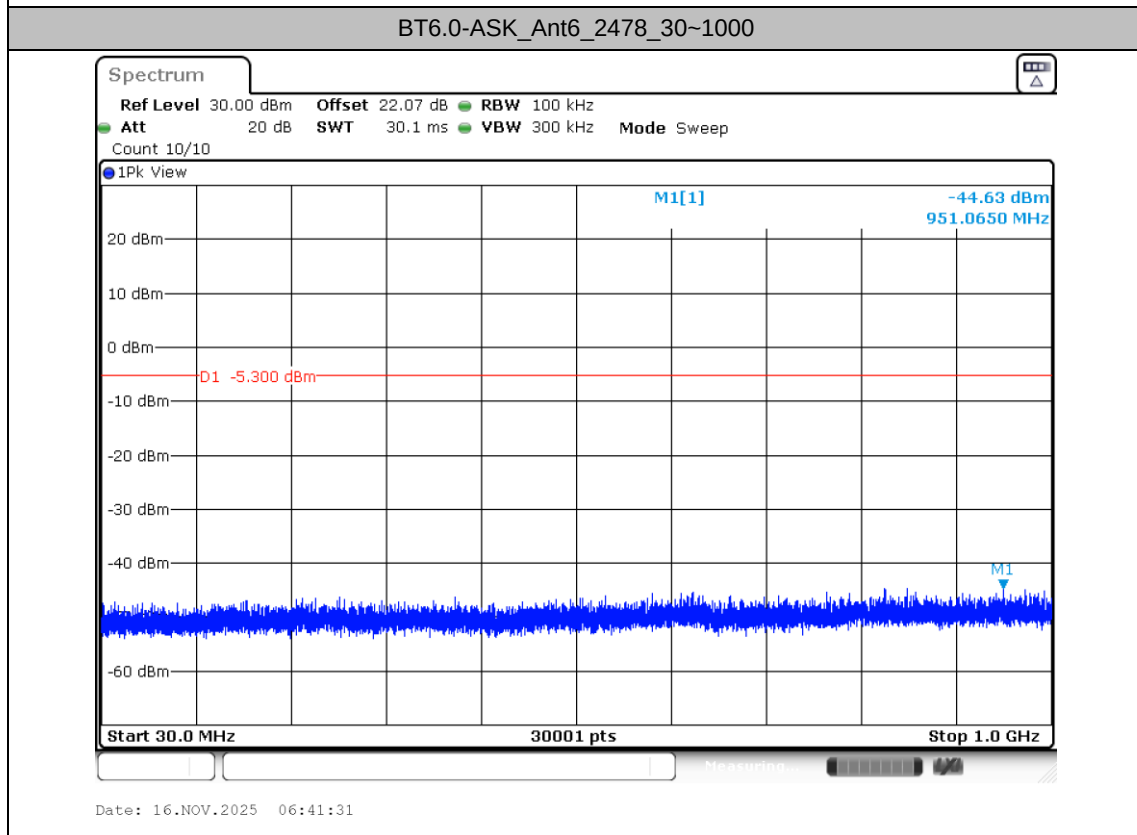
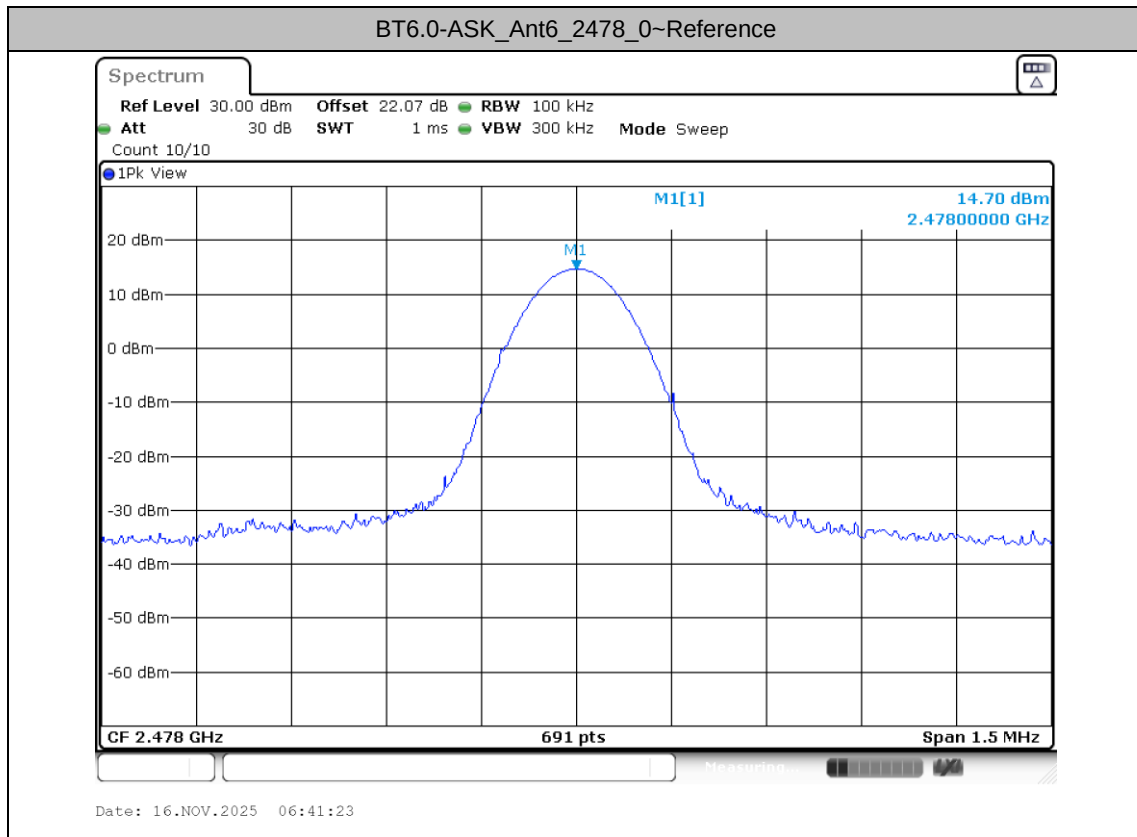


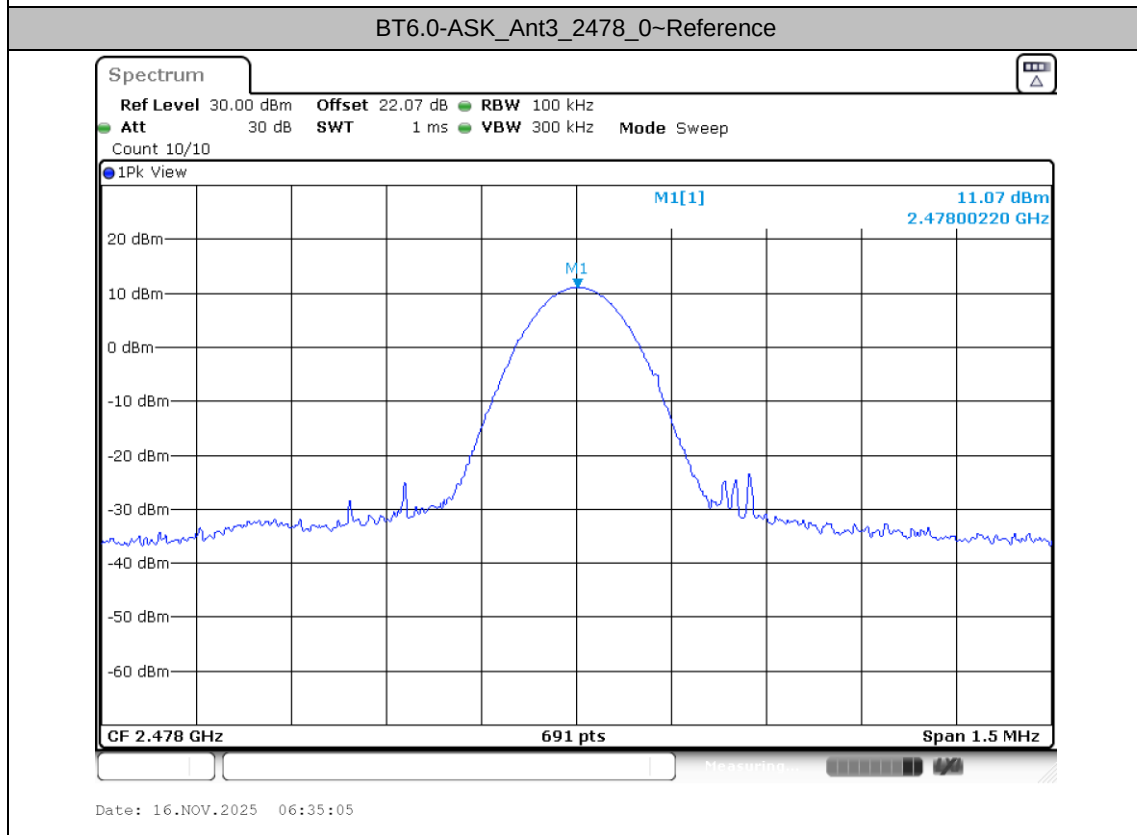
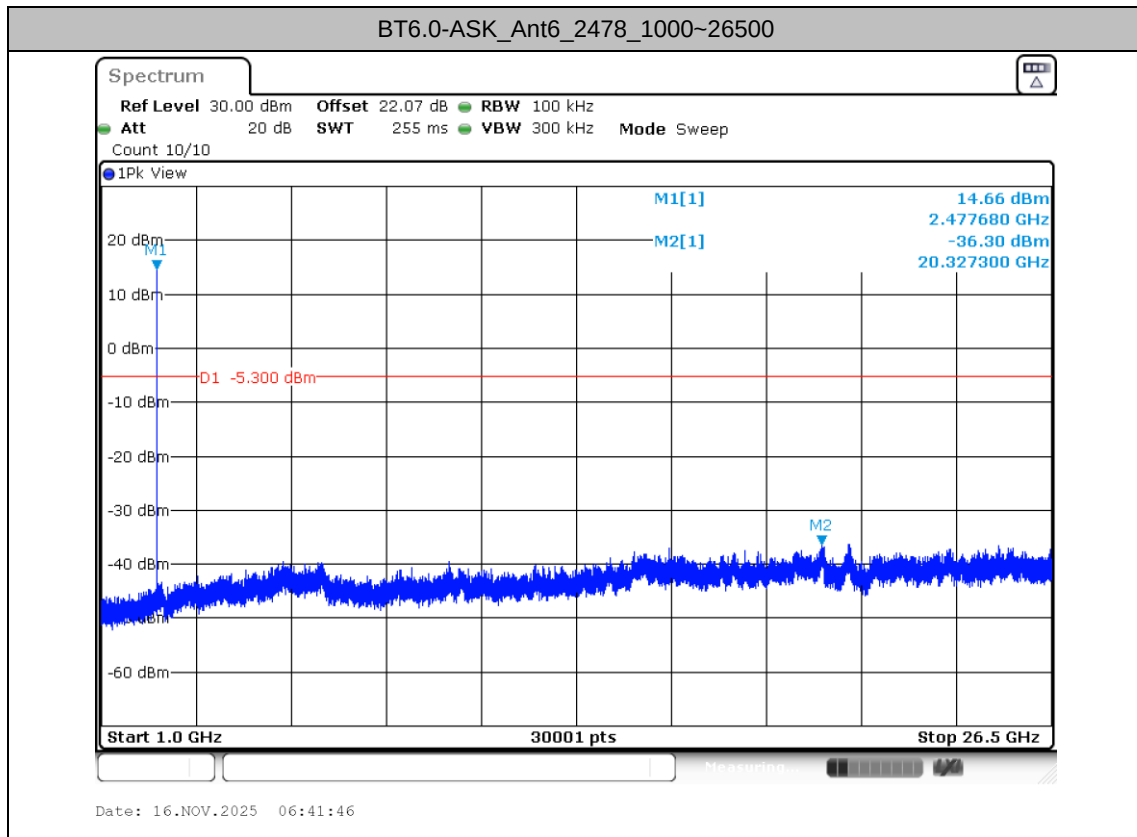


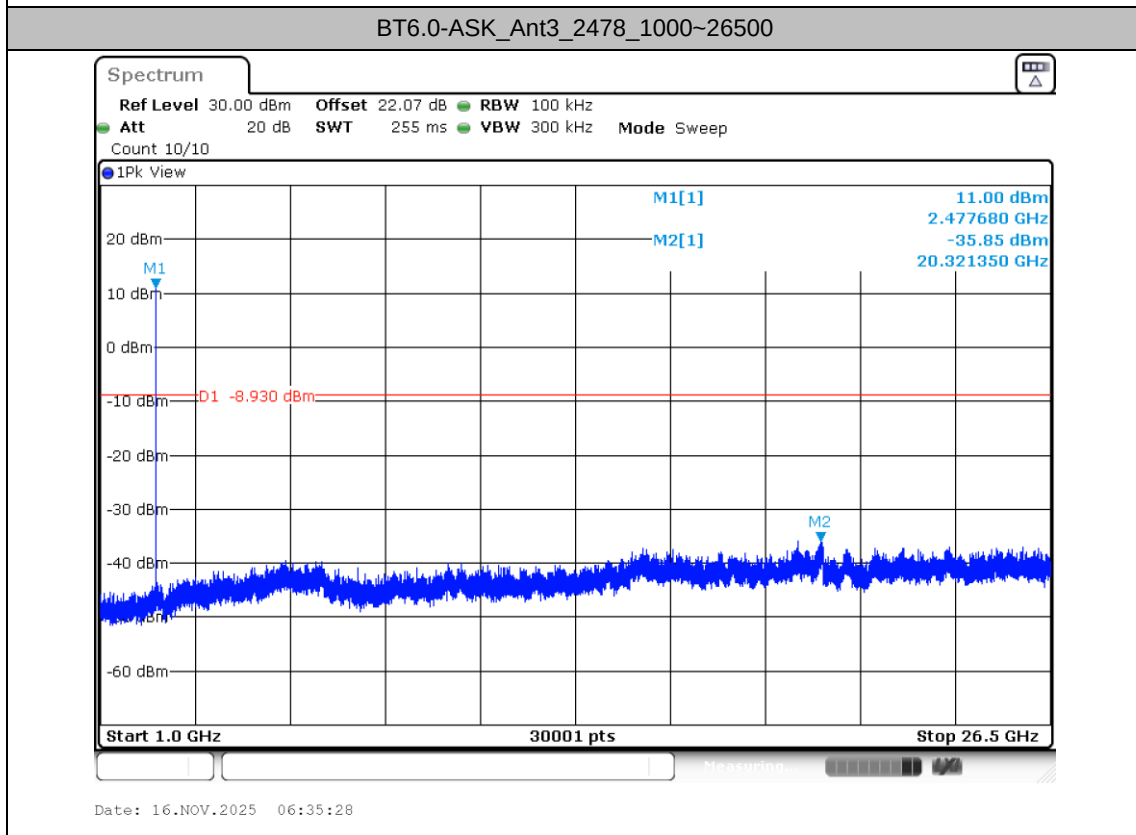
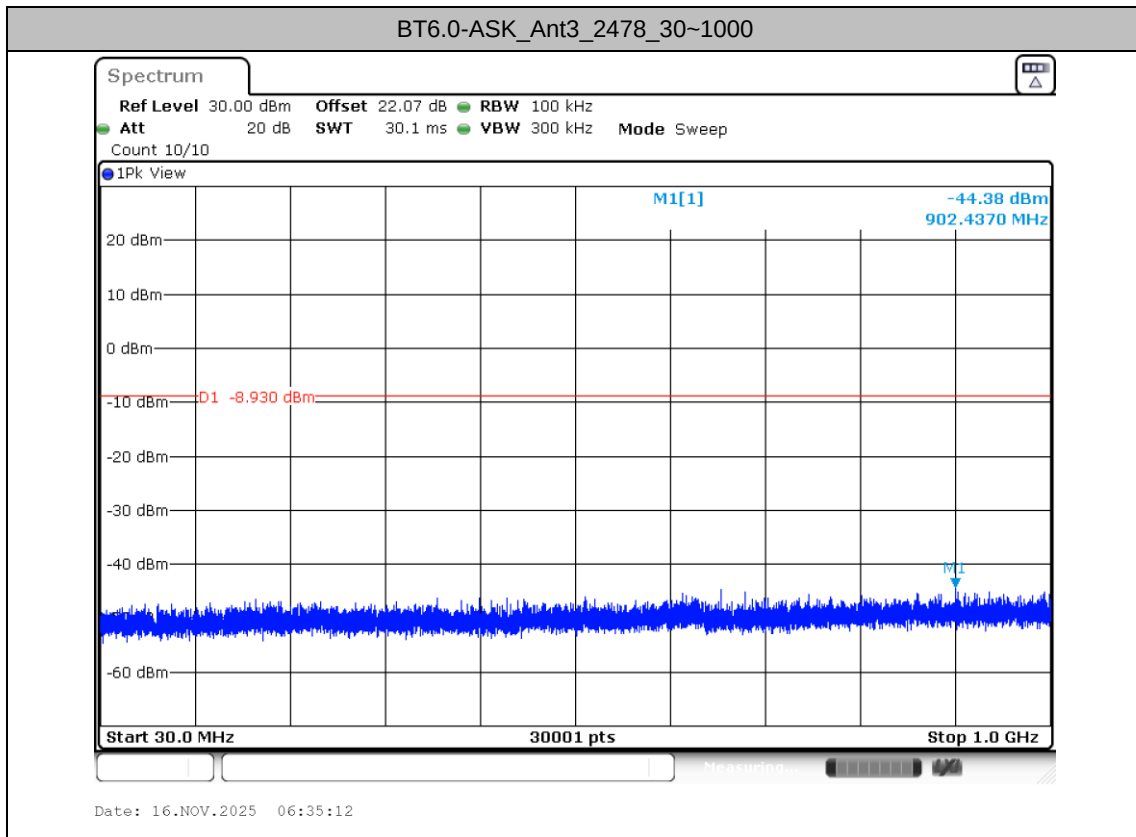














<BLE-ASK MIMO>

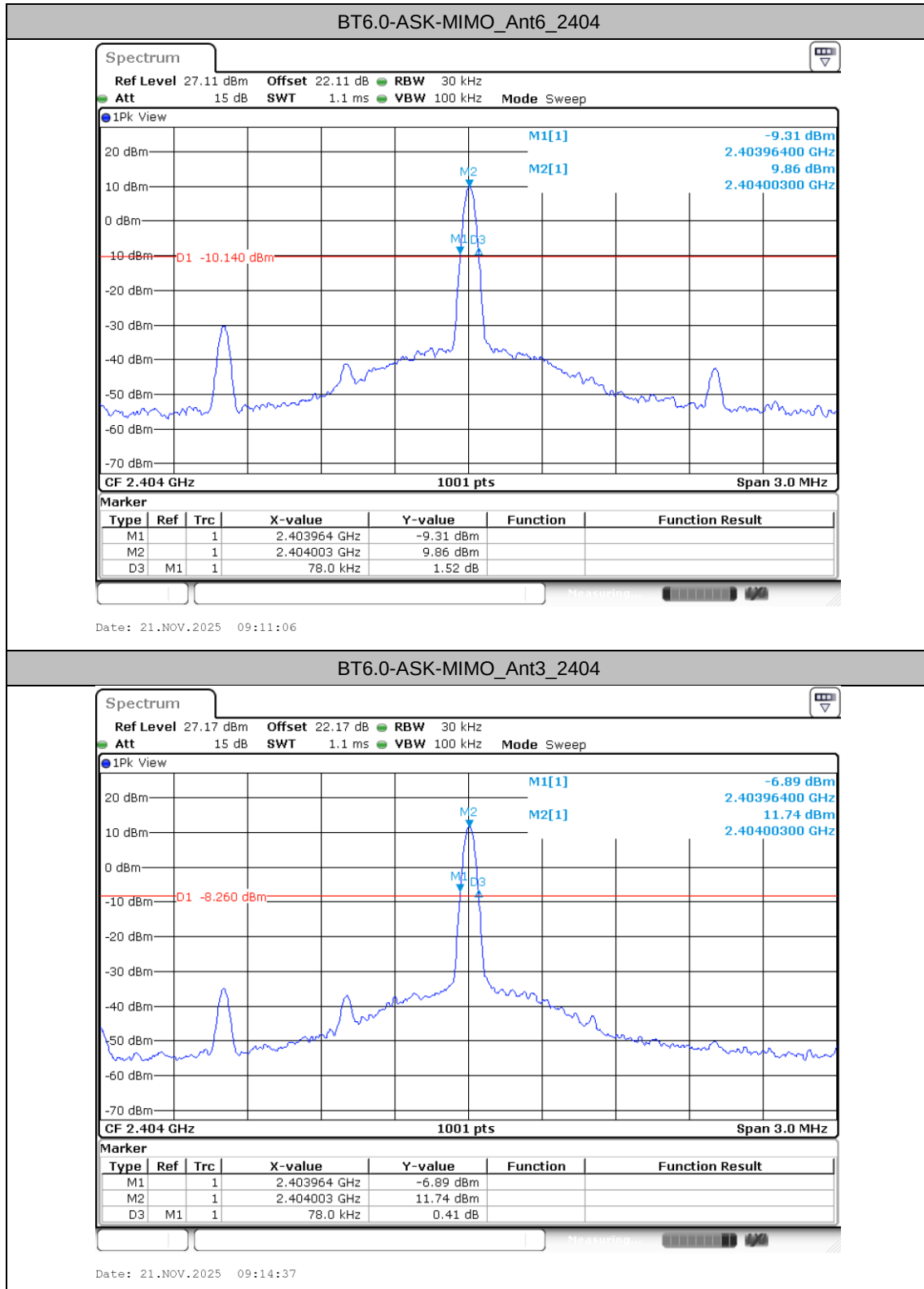
20dB Emission Bandwidth

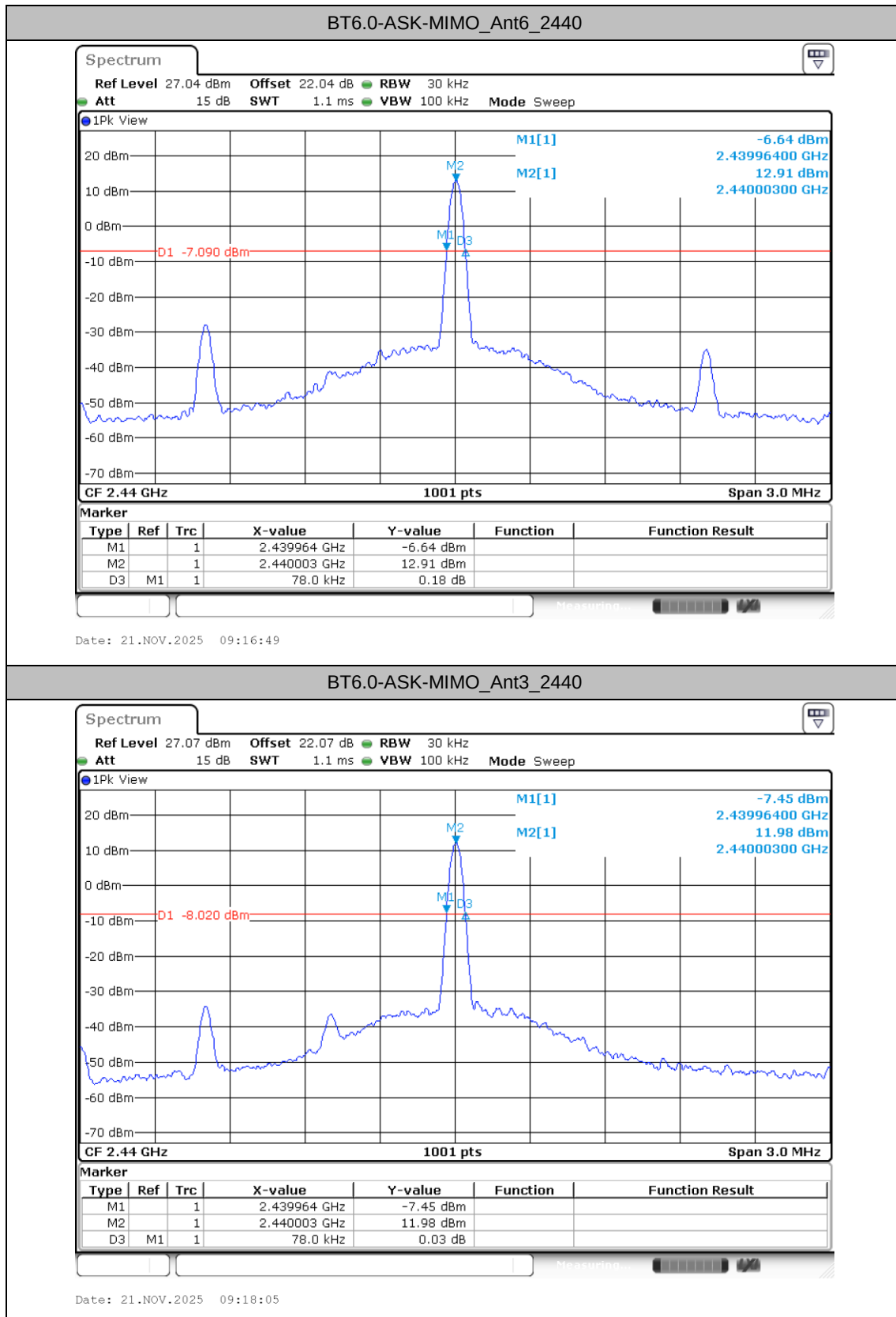
Test Result

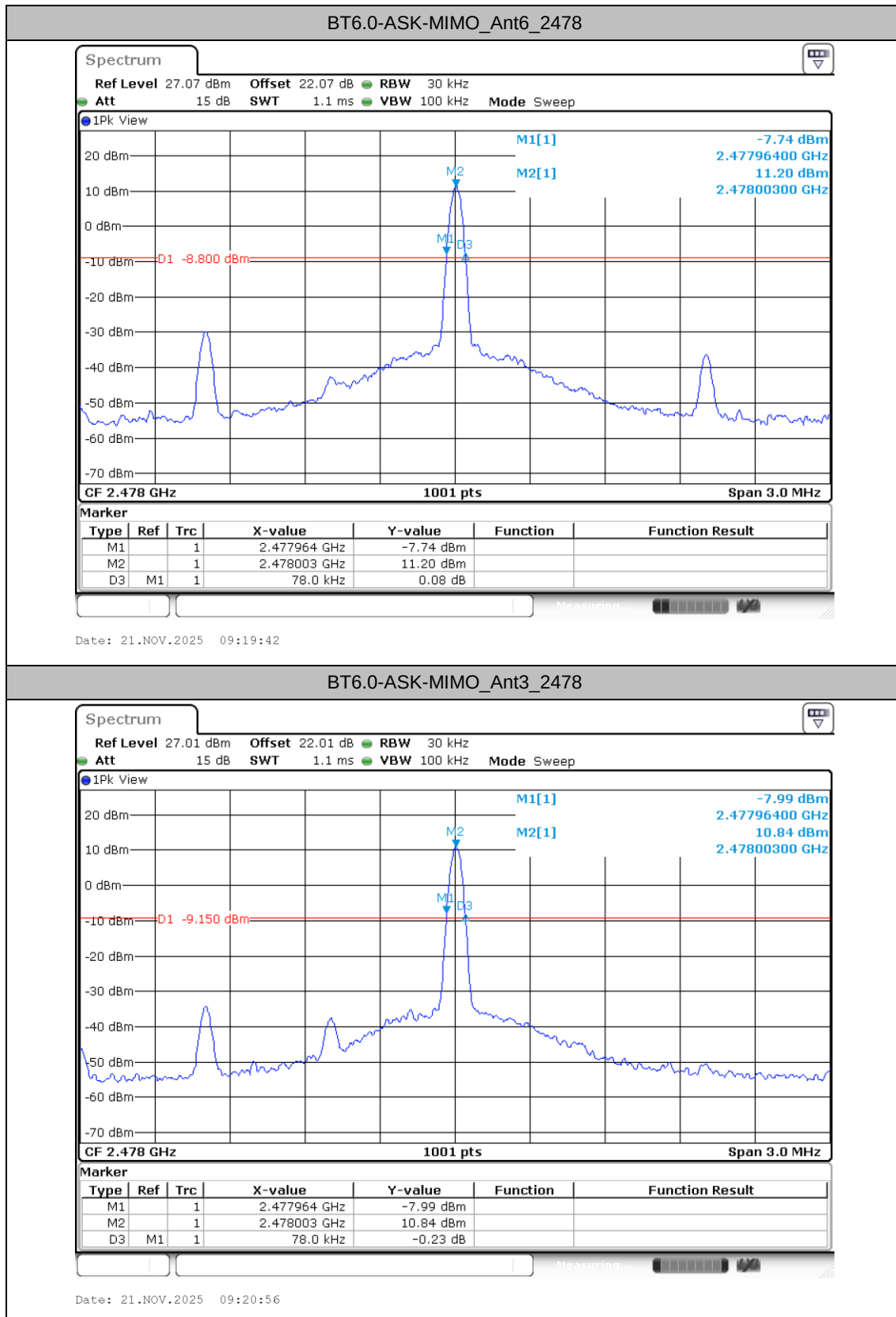
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]
BT6.0-ASK-MIMO	Ant6	2404	0.08	2403.96	2404.04
	Ant3	2404	0.08	2403.96	2404.04
	Ant6	2440	0.08	2439.96	2440.04
	Ant3	2440	0.08	2439.96	2440.04
	Ant6	2478	0.08	2477.96	2478.04
	Ant3	2478	0.08	2477.96	2478.04



Test Graphs









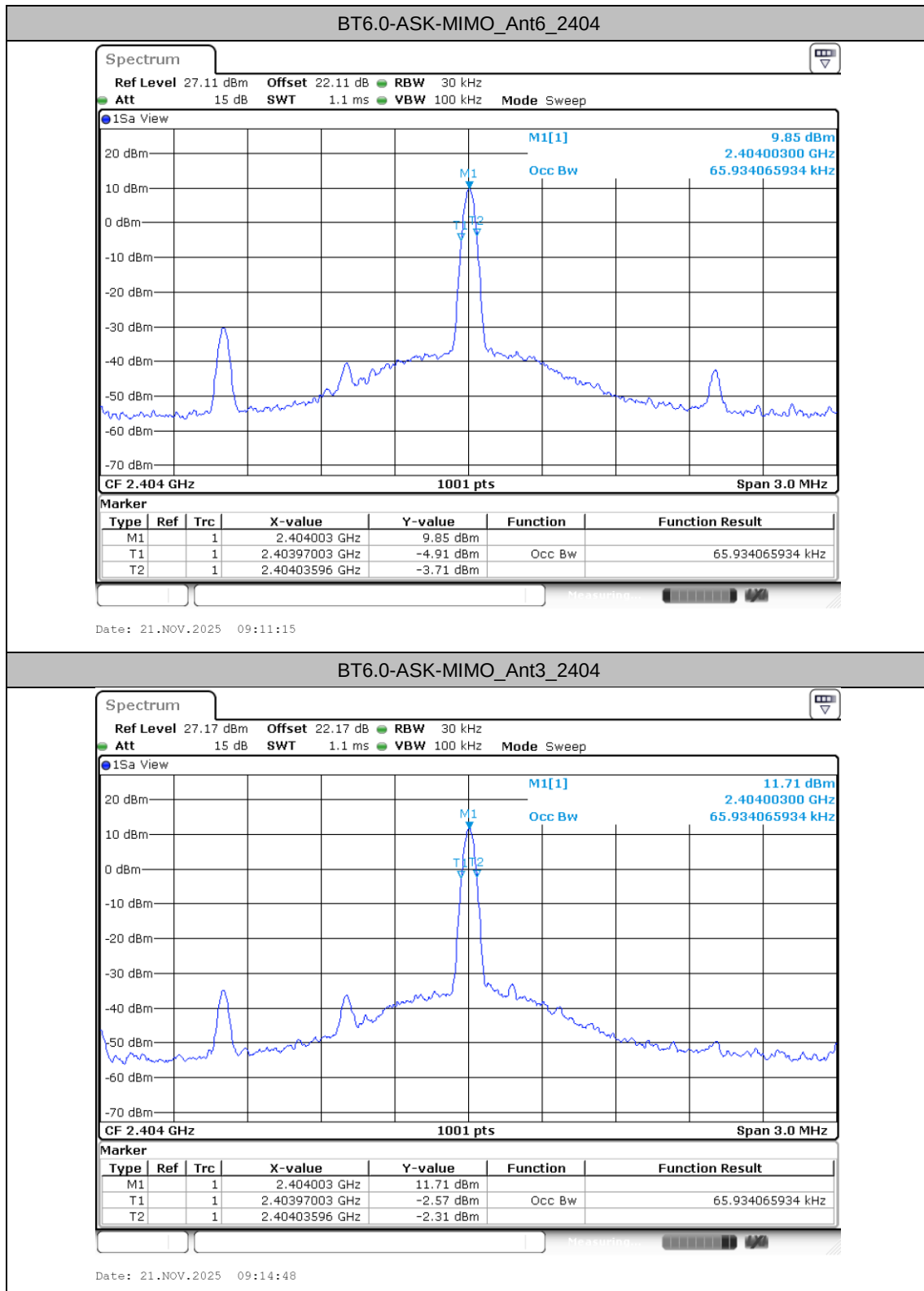
Occupied Channel Bandwidth

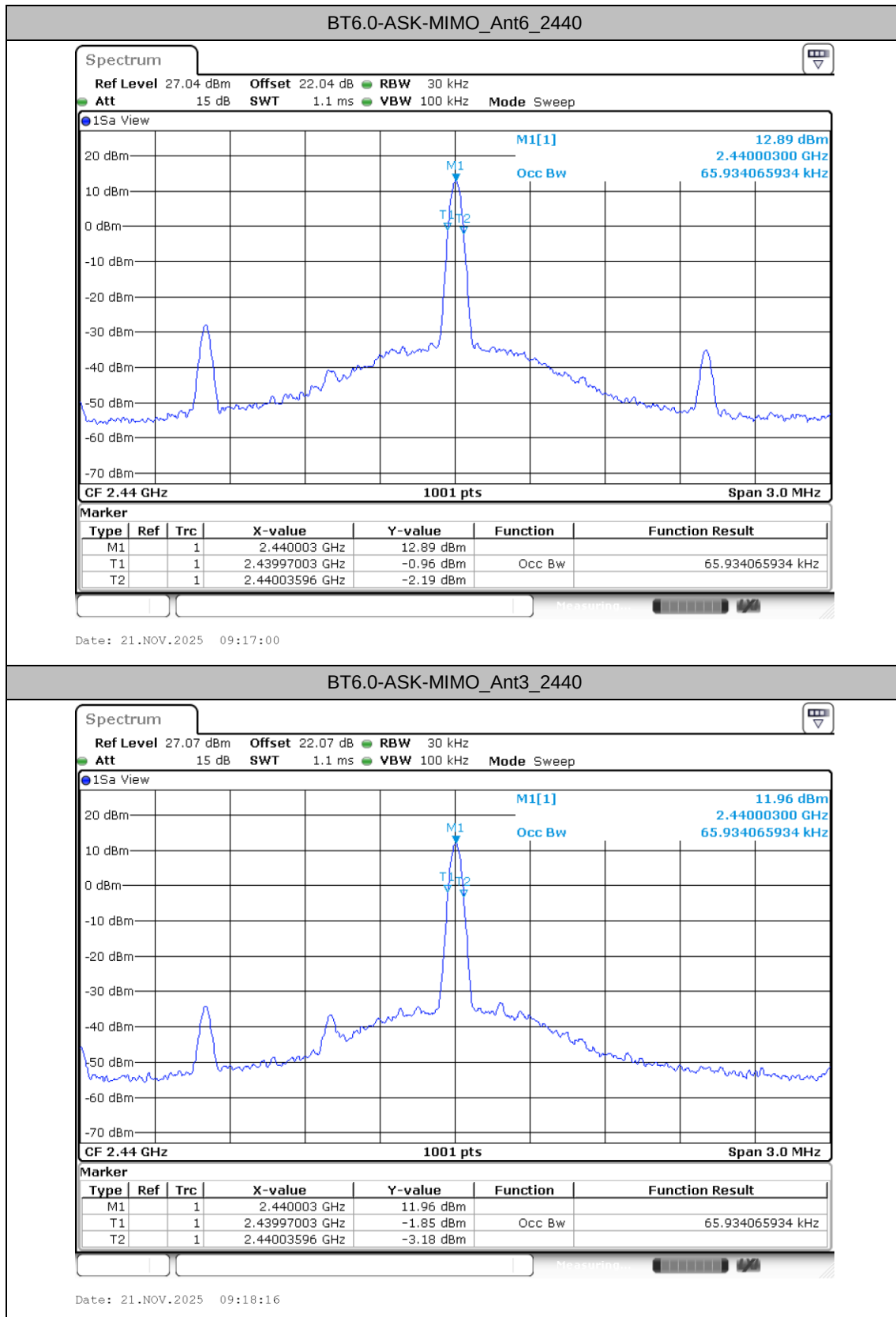
Test Result

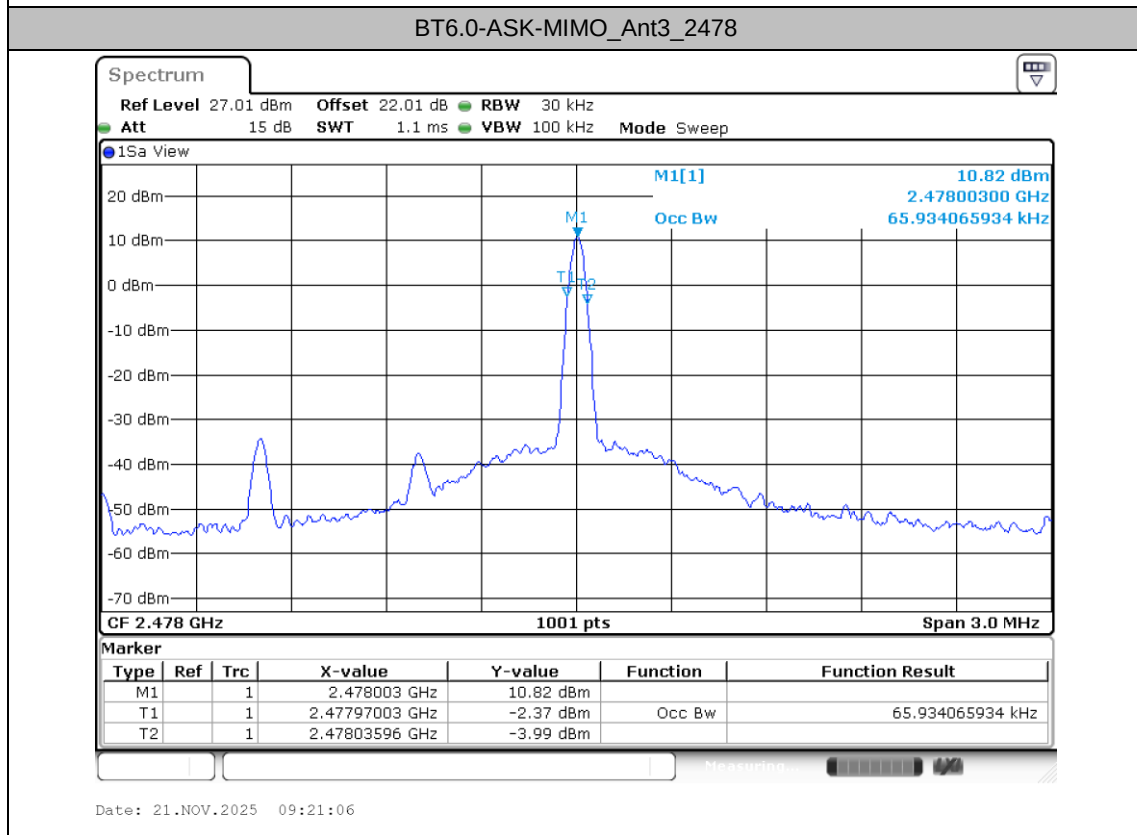
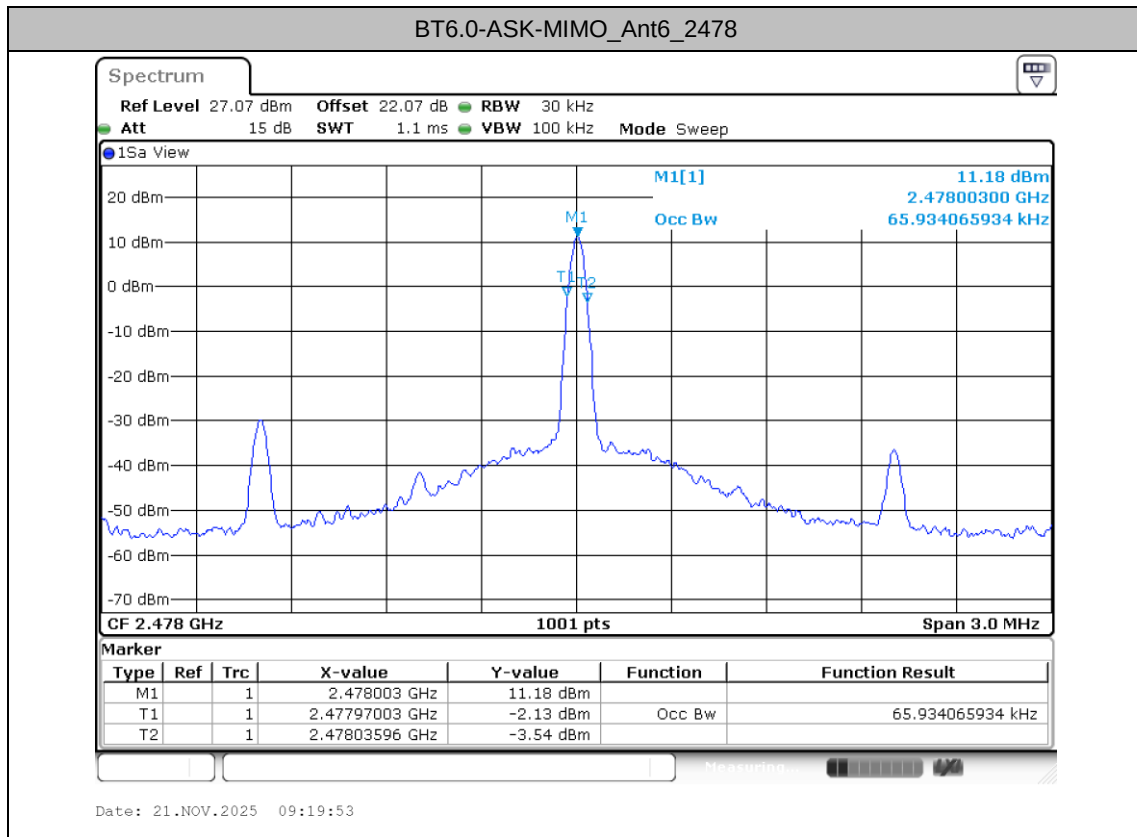
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]
BT6.0-ASK-MIMO	Ant6	2404	0.066	2403.9700	2404.0360
	Ant3	2404	0.066	2403.9700	2404.0360
	Ant6	2440	0.066	2439.9700	2440.0360
	Ant3	2440	0.066	2439.9700	2440.0360
	Ant6	2478	0.066	2477.9700	2478.0360
	Ant3	2478	0.066	2477.9700	2478.0360



Test Graphs







Maximum conducted output power

Test Result Peak

TestMode	CH.	Peak Power (dBm)	Peak Power (dBm)	Peak Power (dBm)	Conducted Power Limit	Pass/Fail	Power Setting
		Ant 6	Ant 3	Ant 6+3			
ASK	2	12.09	12.11	15.11	20.97	Pass	11
	38	13.36	12.51	15.97	20.97	Pass	11
	76	11.69	11.57	14.64	20.97	Pass	11

Test Result Average

TestMode	CH.	Avg Power (dBm)	Avg Power (dBm)	Avg Power (dBm)	Power Setting
		Ant 6	Ant 3	Ant 6+3	
ASK	2	11.98	11.99	15.00	11
	38	13.25	12.38	15.85	11
	76	11.52	11.41	14.48	11

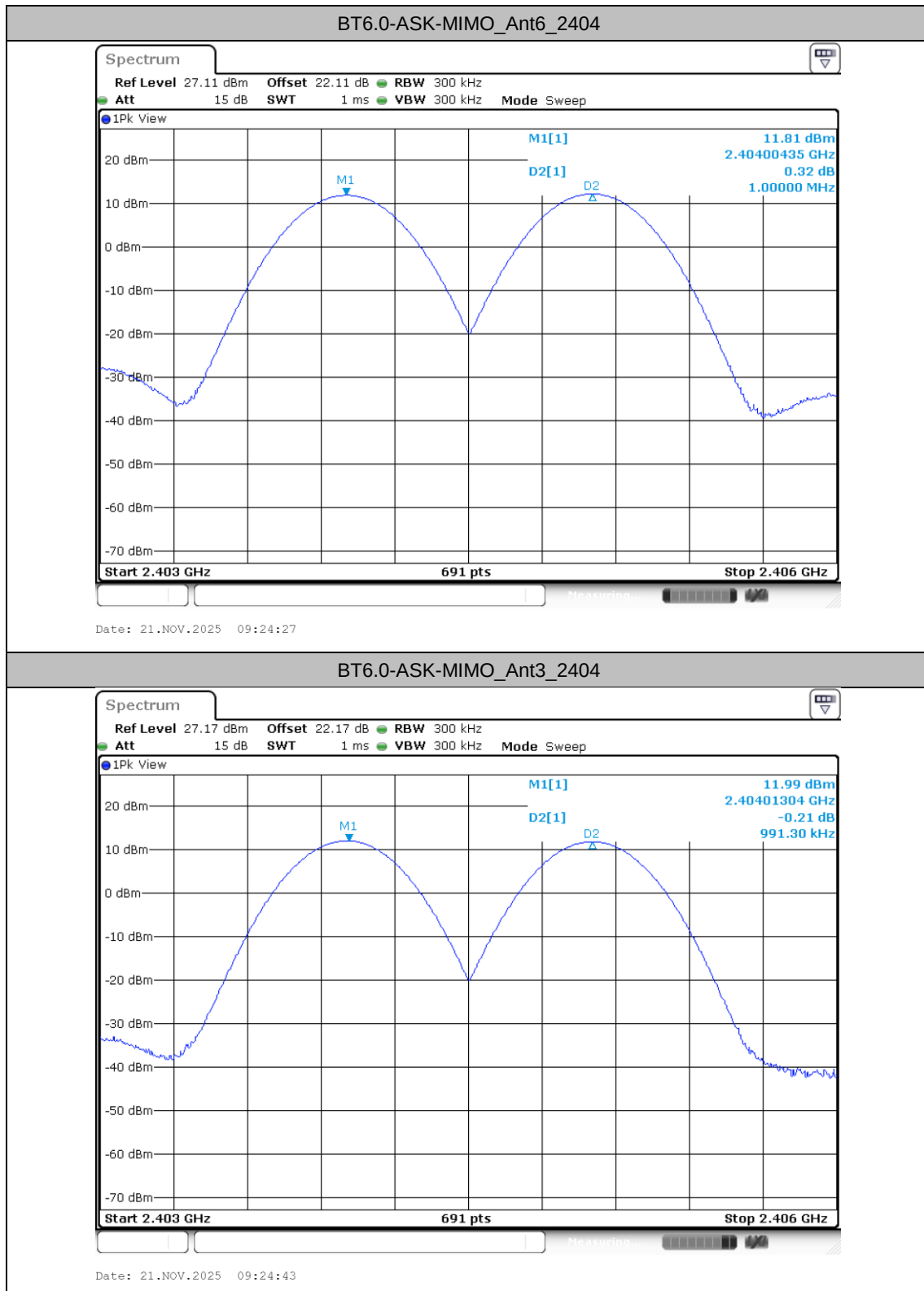
Carrier frequency separation

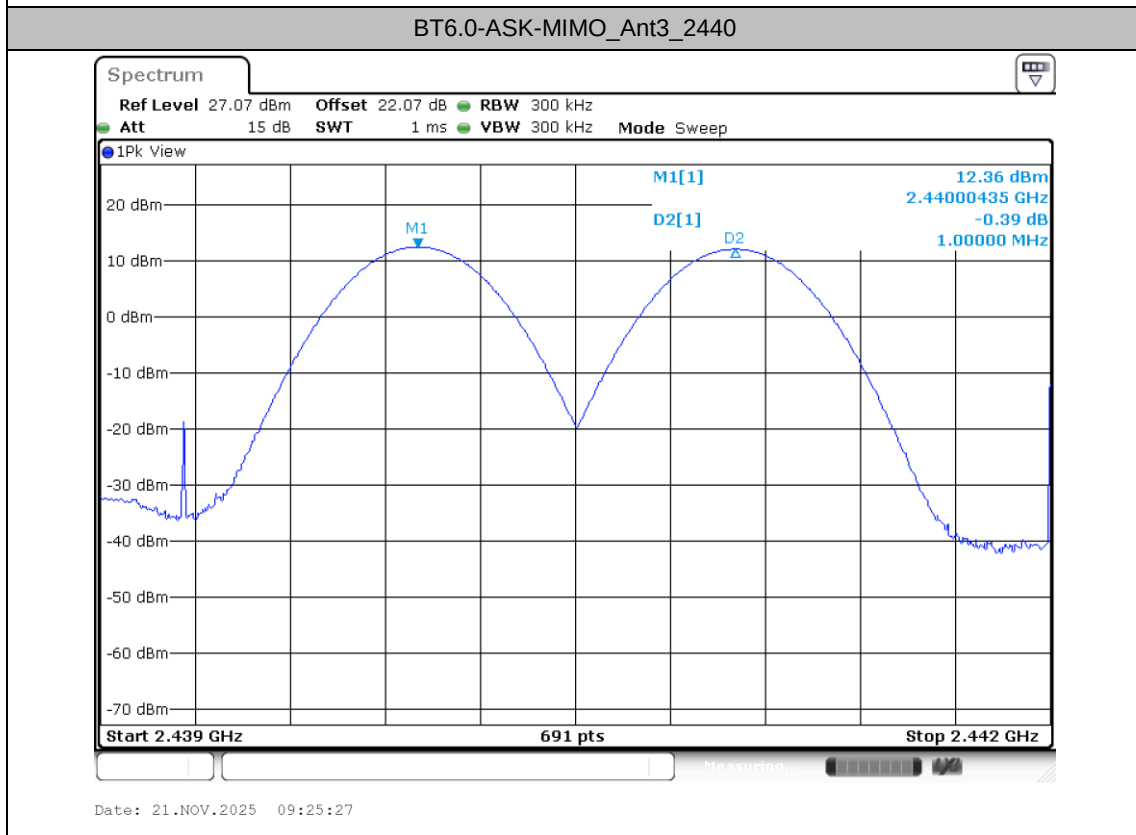
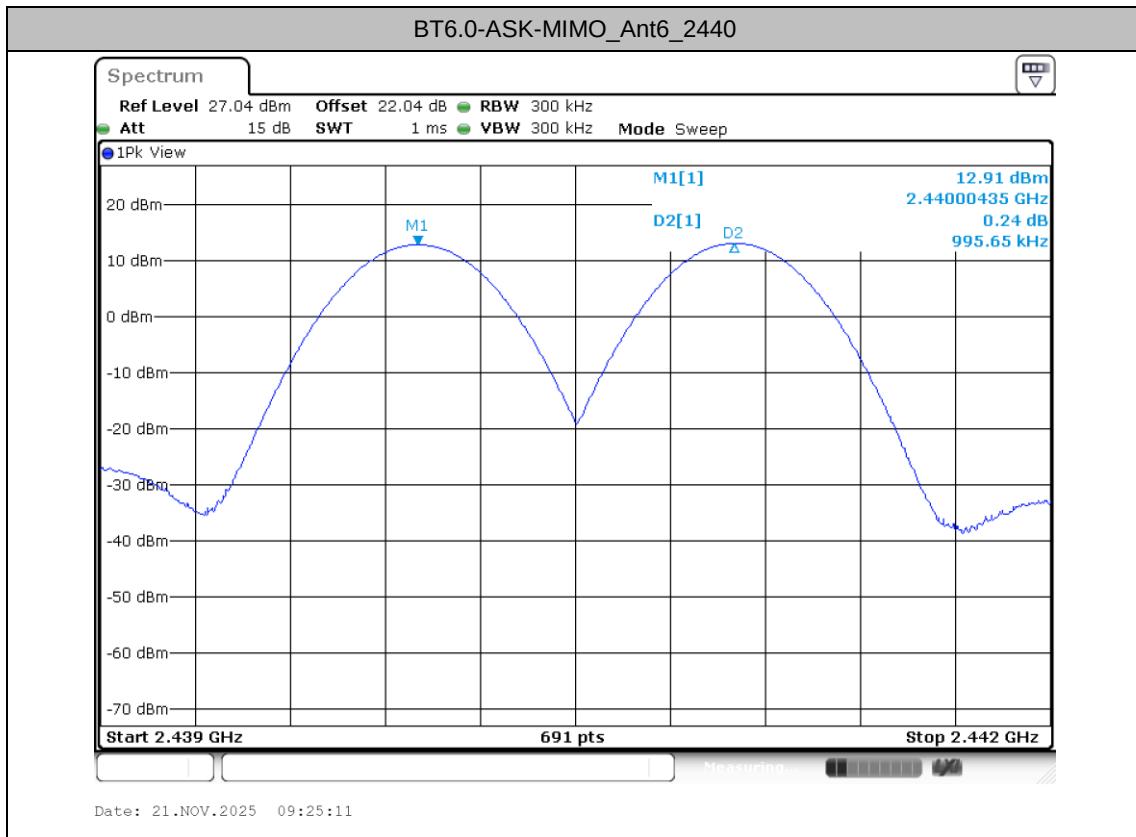
Test Result

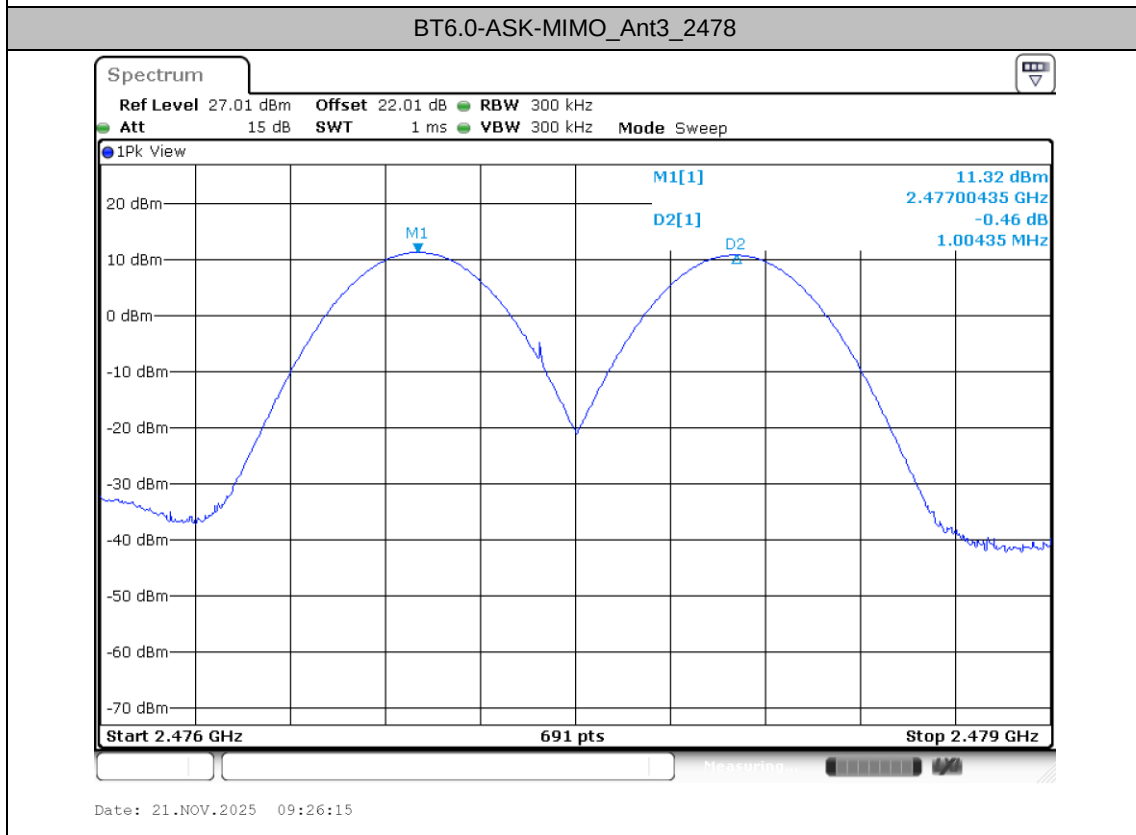
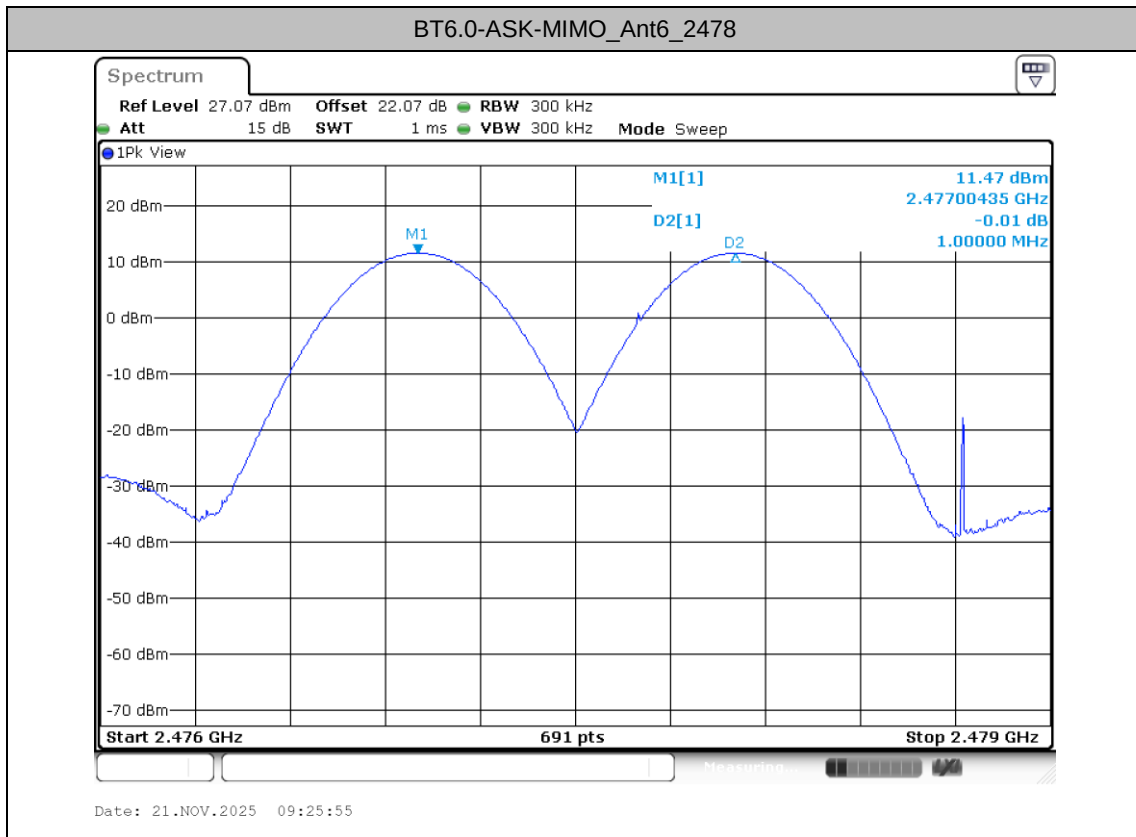
TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
BT6.0-ASK-MIMO	Ant6	2404	1.000	≥0.052	PASS
	Ant3	2404	0.991	≥0.052	PASS
	Ant6	2440	0.996	≥0.052	PASS
	Ant3	2440	1.000	≥0.052	PASS
	Ant6	2478	1.000	≥0.052	PASS
	Ant3	2478	1.004	≥0.052	PASS



Test Graphs









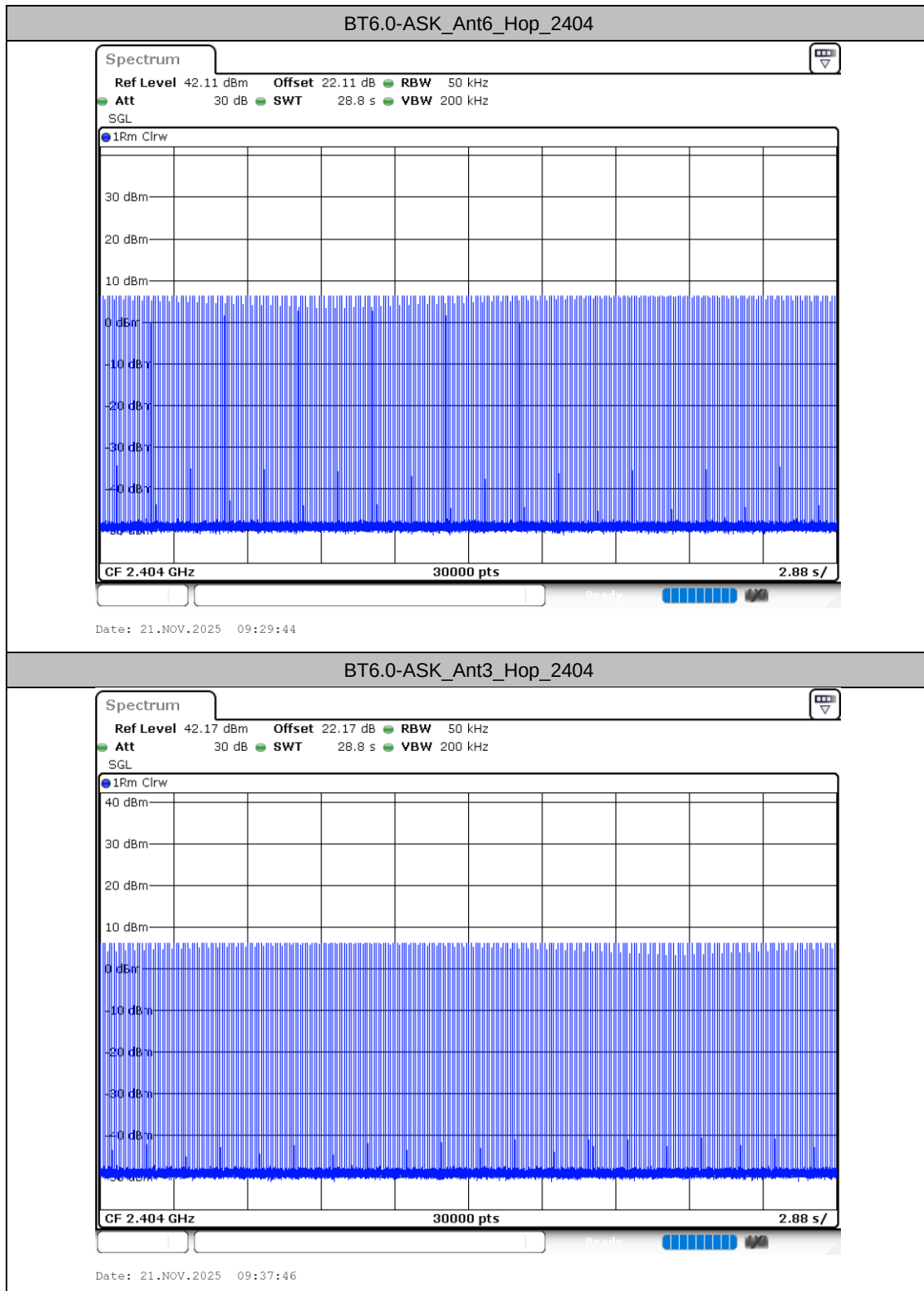
Time of occupancy

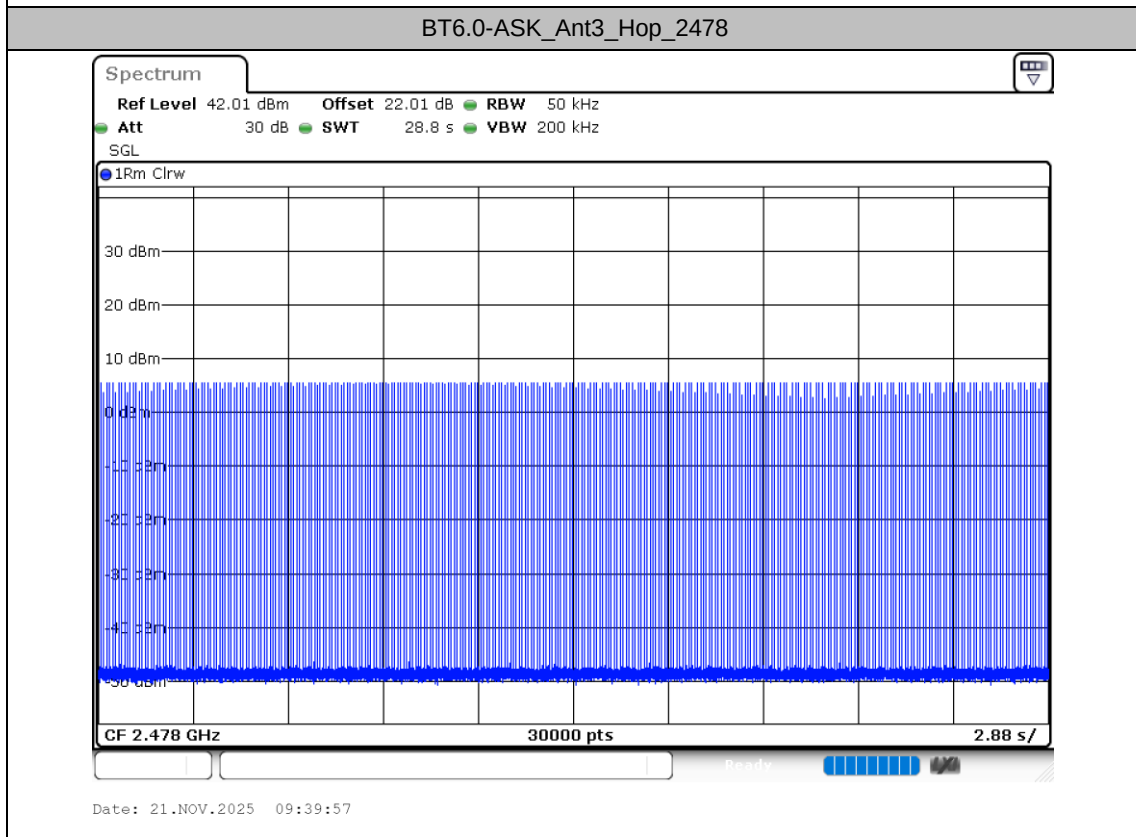
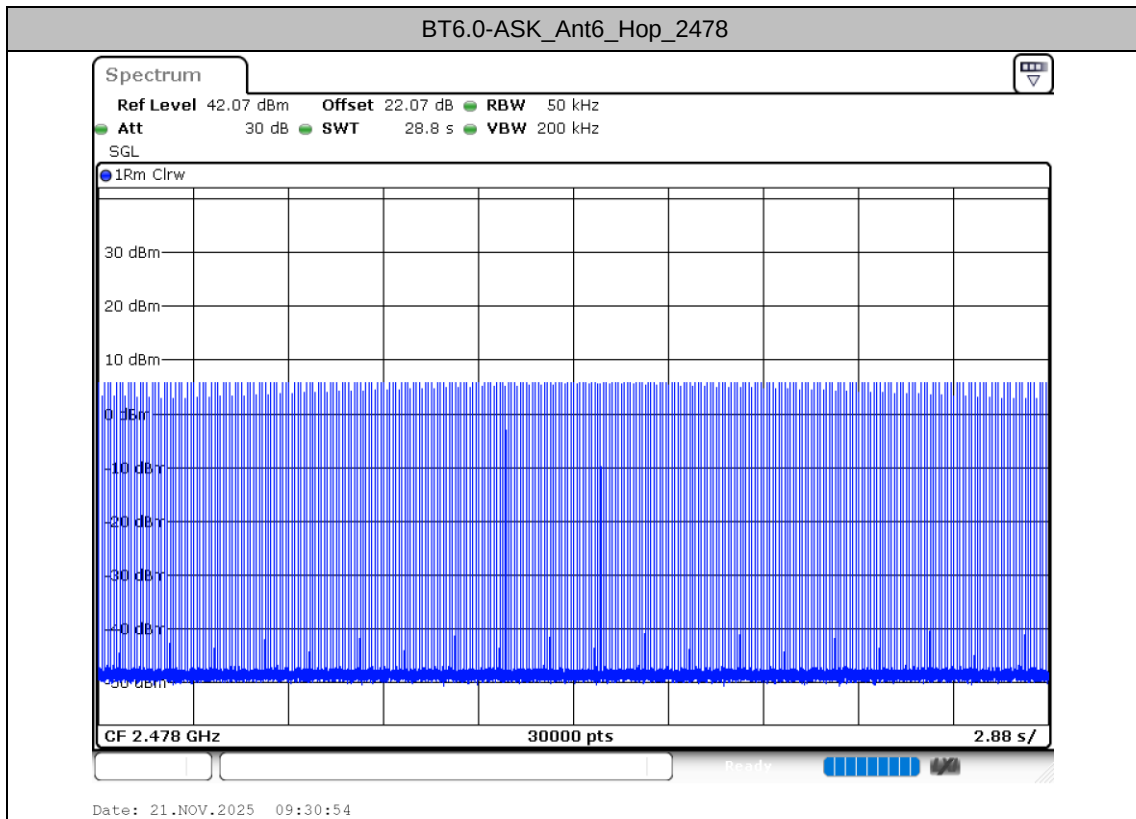
Test Result

TestMode	Antenna	Freq(MHz)	Result [ms]	Limit[ms]	Verdict
BT6.0-ASK	Ant6	Hop_2404	105.808	400	PASS
	Ant3	Hop_2404	105.808	400	PASS
	Ant6	Hop_2478	106.197	400	PASS
	Ant3	Hop_2478	106.080	400	PASS



Test Graphs







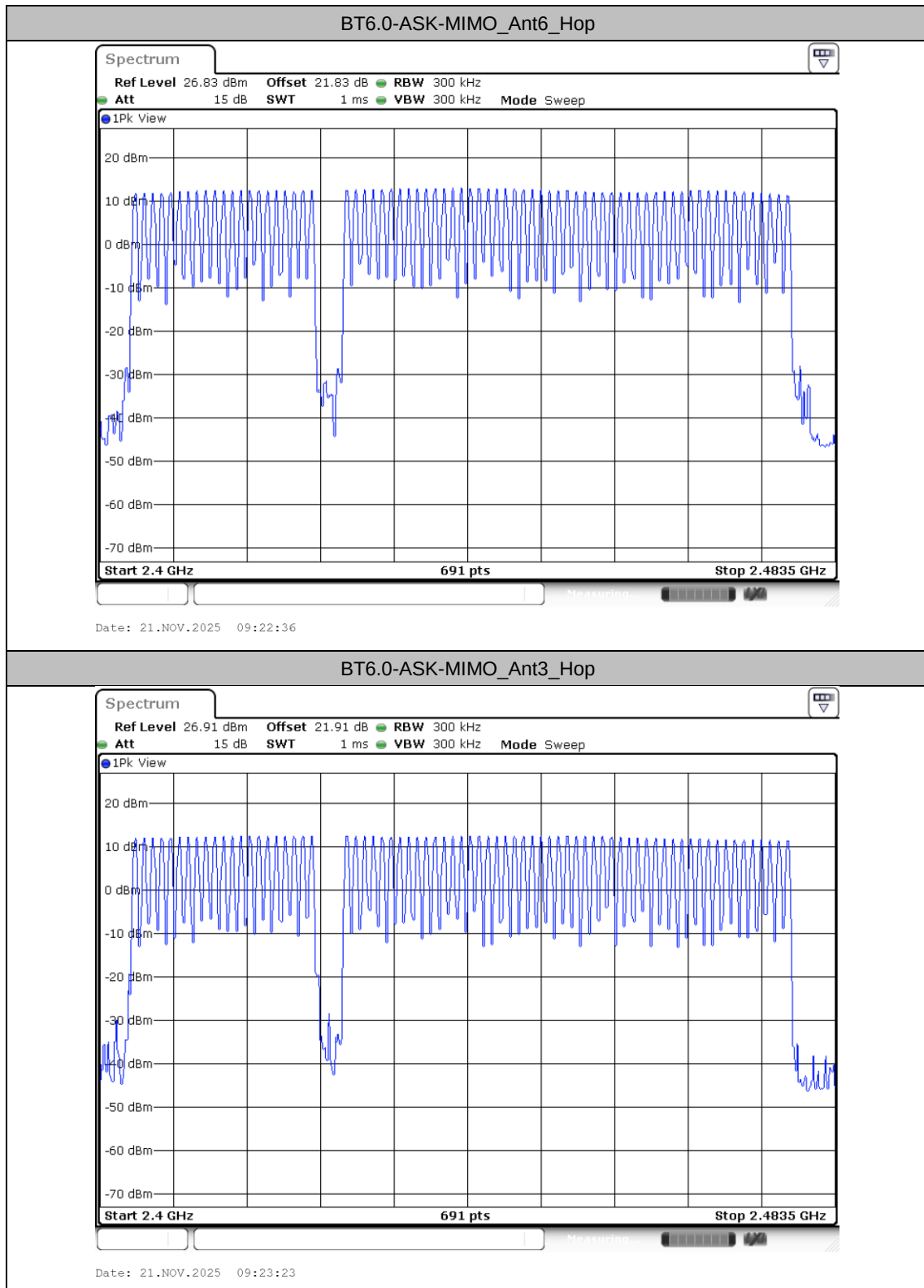
Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
BT6.0-ASK-MIMO	Ant6	Hop	72	≥ 15	PASS
	Ant3	Hop	72	≥ 15	PASS



Test Graphs





Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BT6.0-ASK-MIMO	Ant6	Low	2404	9.87	-49.11	≤-10.13	PASS
	Ant3	Low	2404	11.71	-48.76	≤-8.29	PASS
	Ant6	High	2478	11.16	-47.86	≤-8.84	PASS
	Ant3	High	2478	10.80	-47.24	≤-9.2	PASS
	Ant6	Low	Hop_2404	11.77	-48.78	≤-8.23	PASS
	Ant3	Low	Hop_2404	11.70	-47.89	≤-8.3	PASS
	Ant6	High	Hop_2478	12.60	-48.31	≤-7.4	PASS
	Ant3	High	Hop_2478	11.73	-47.2	≤-8.27	PASS



Test Graphs

