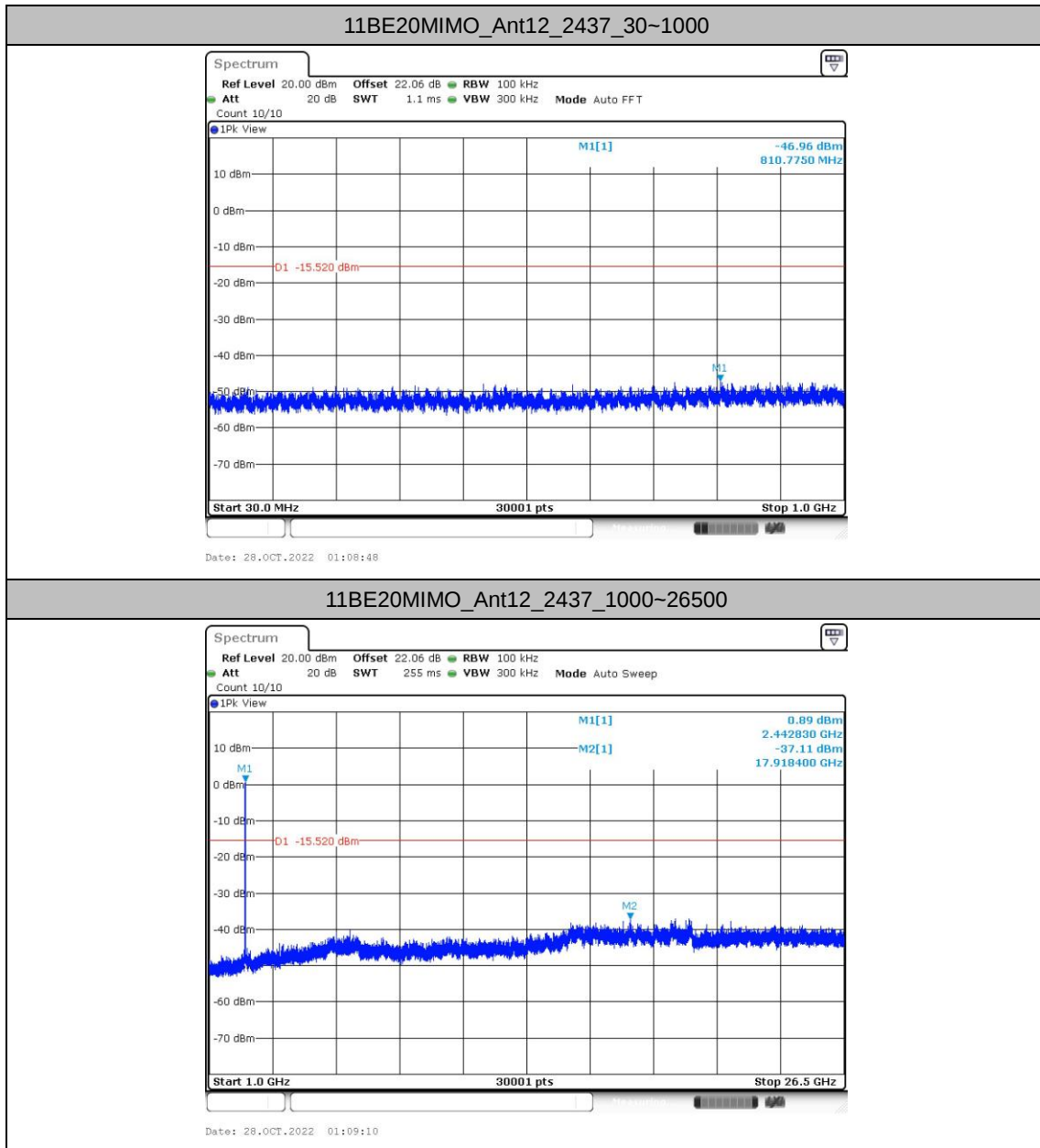
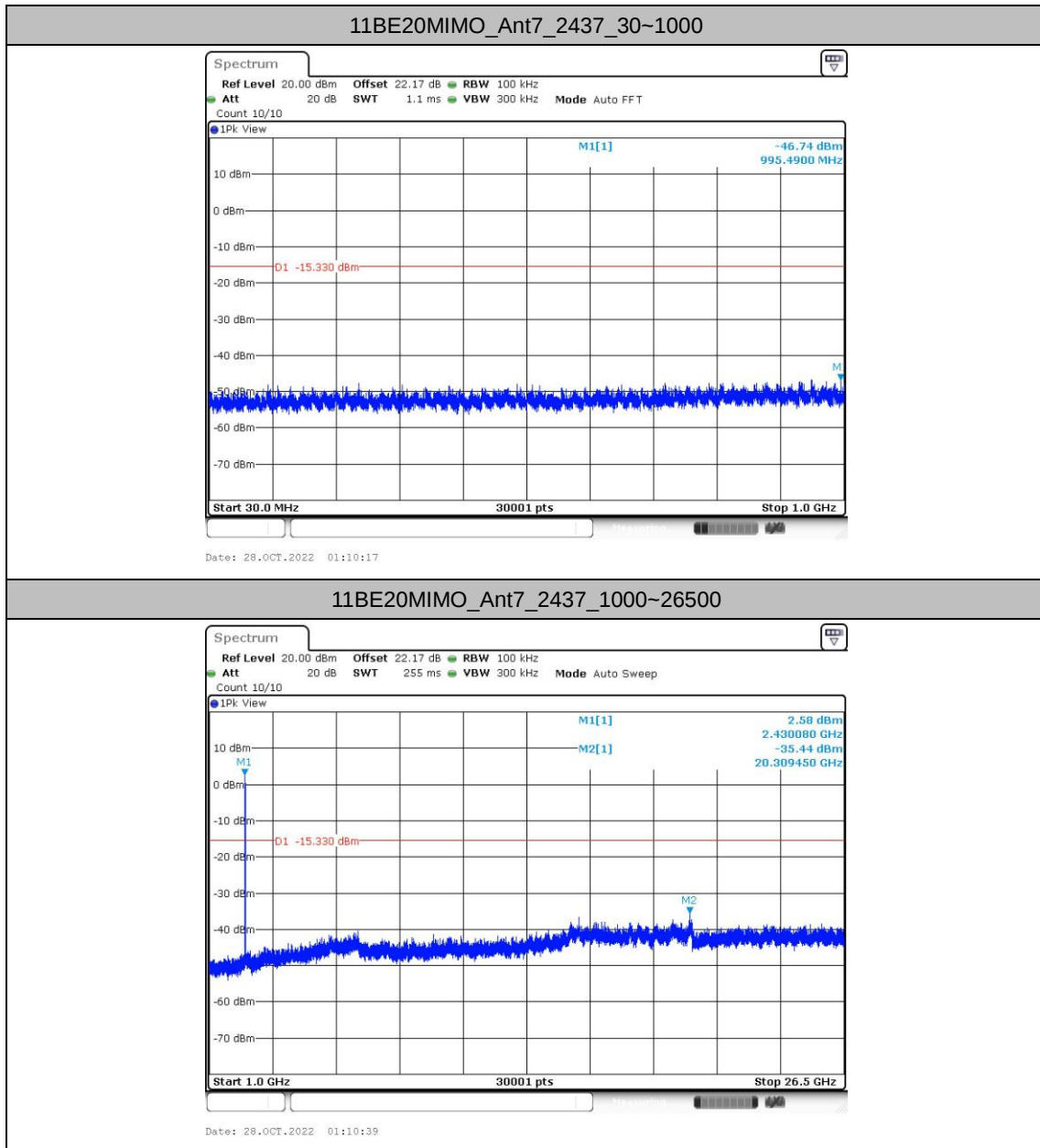
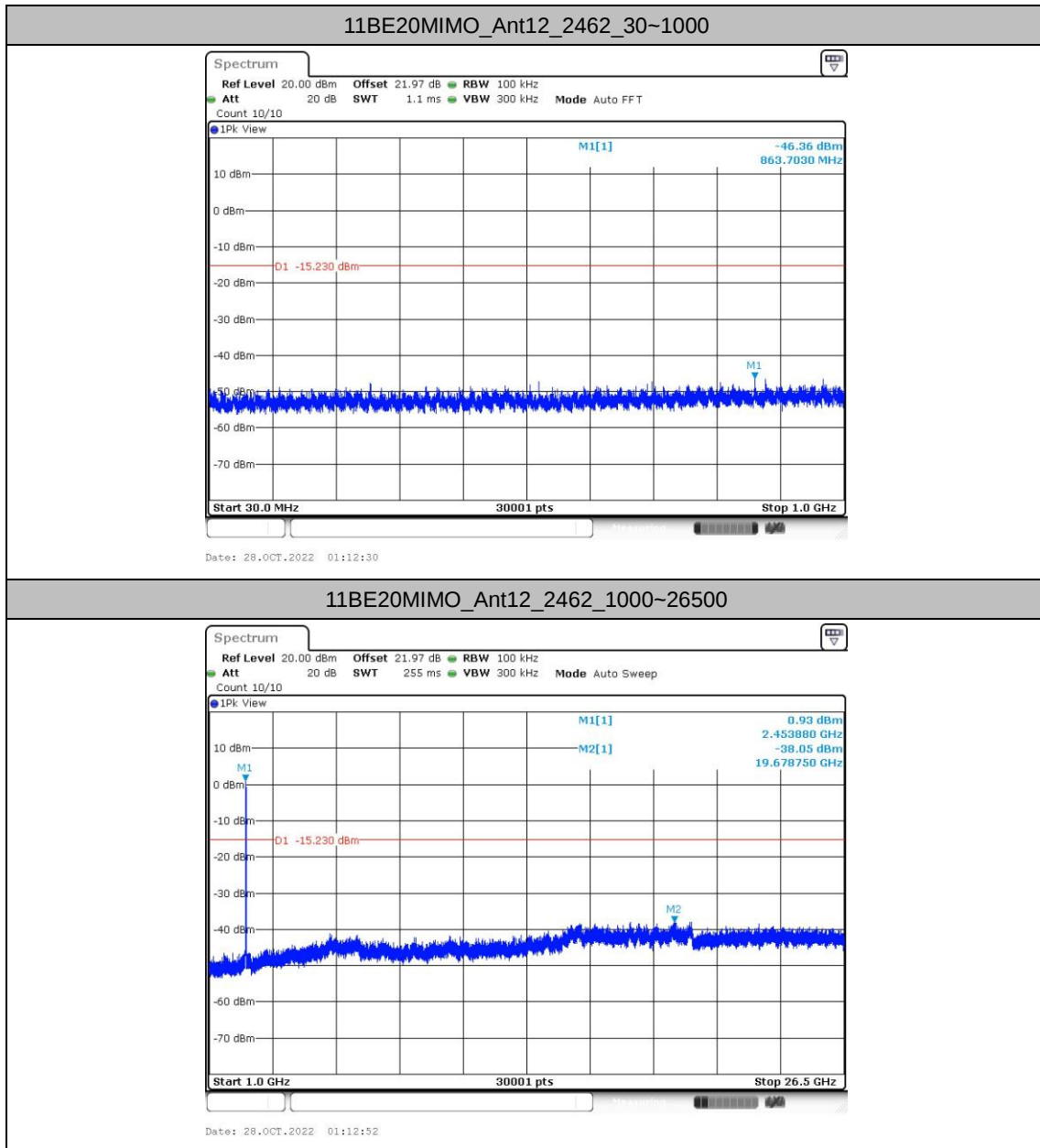
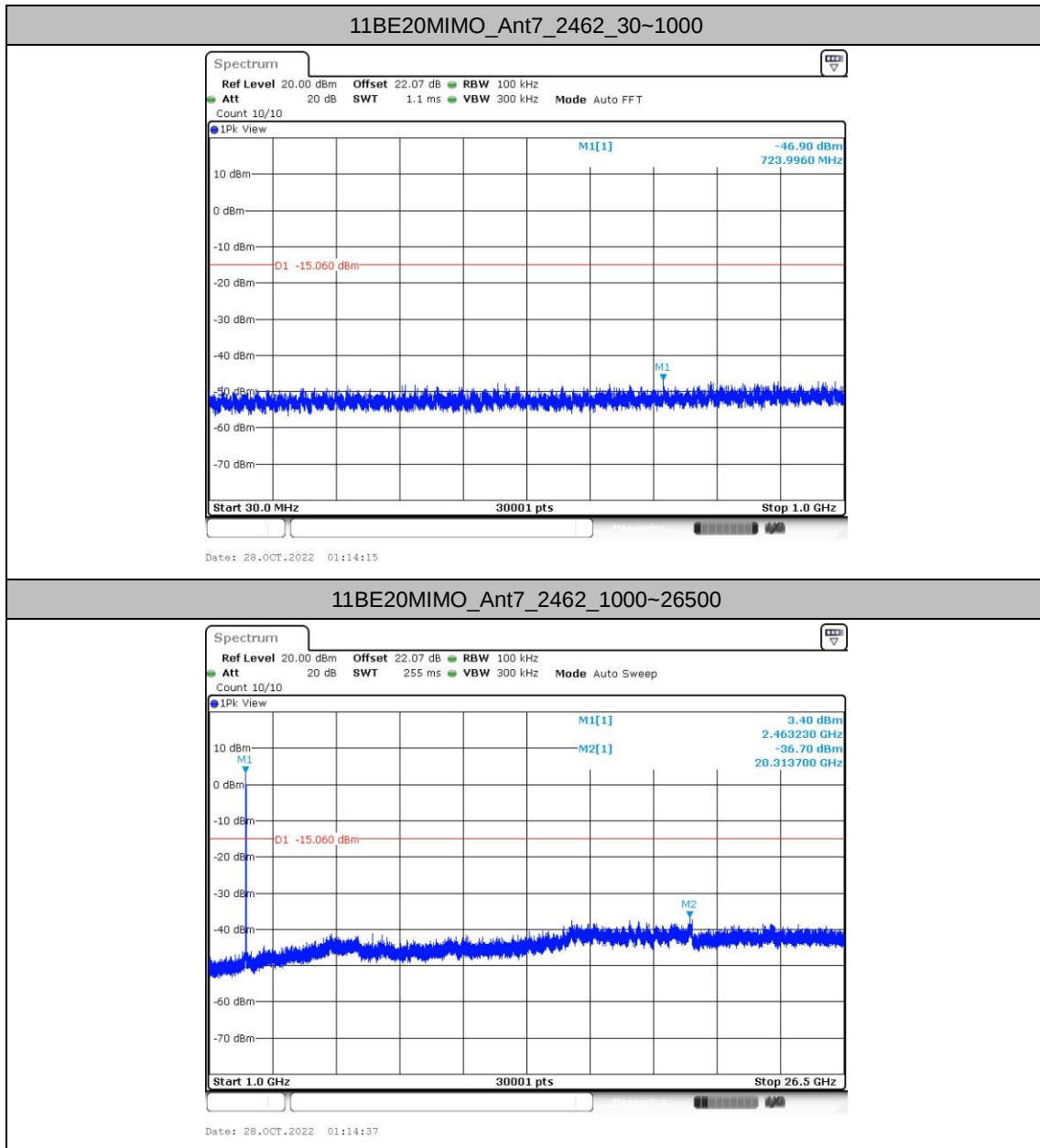
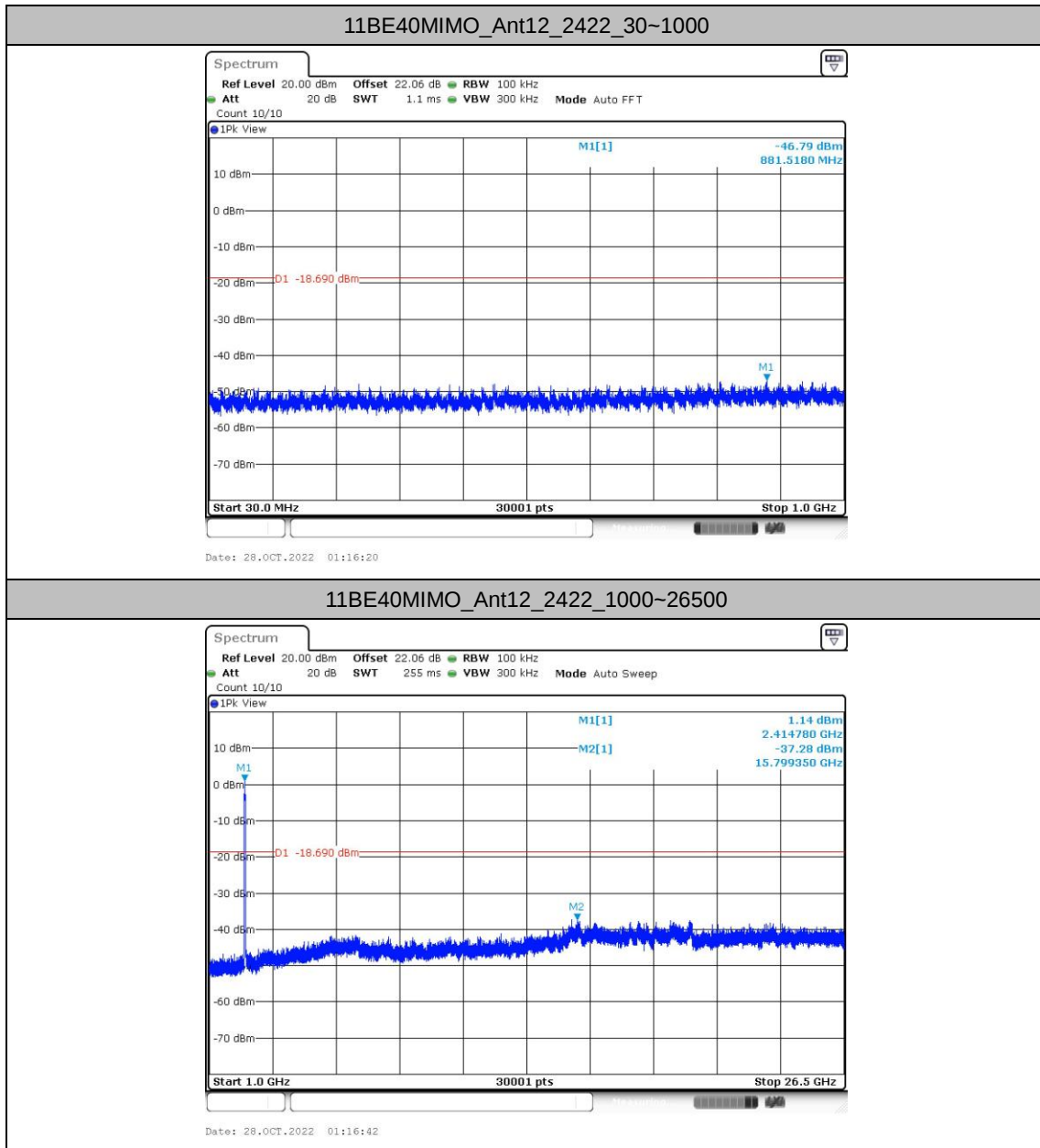


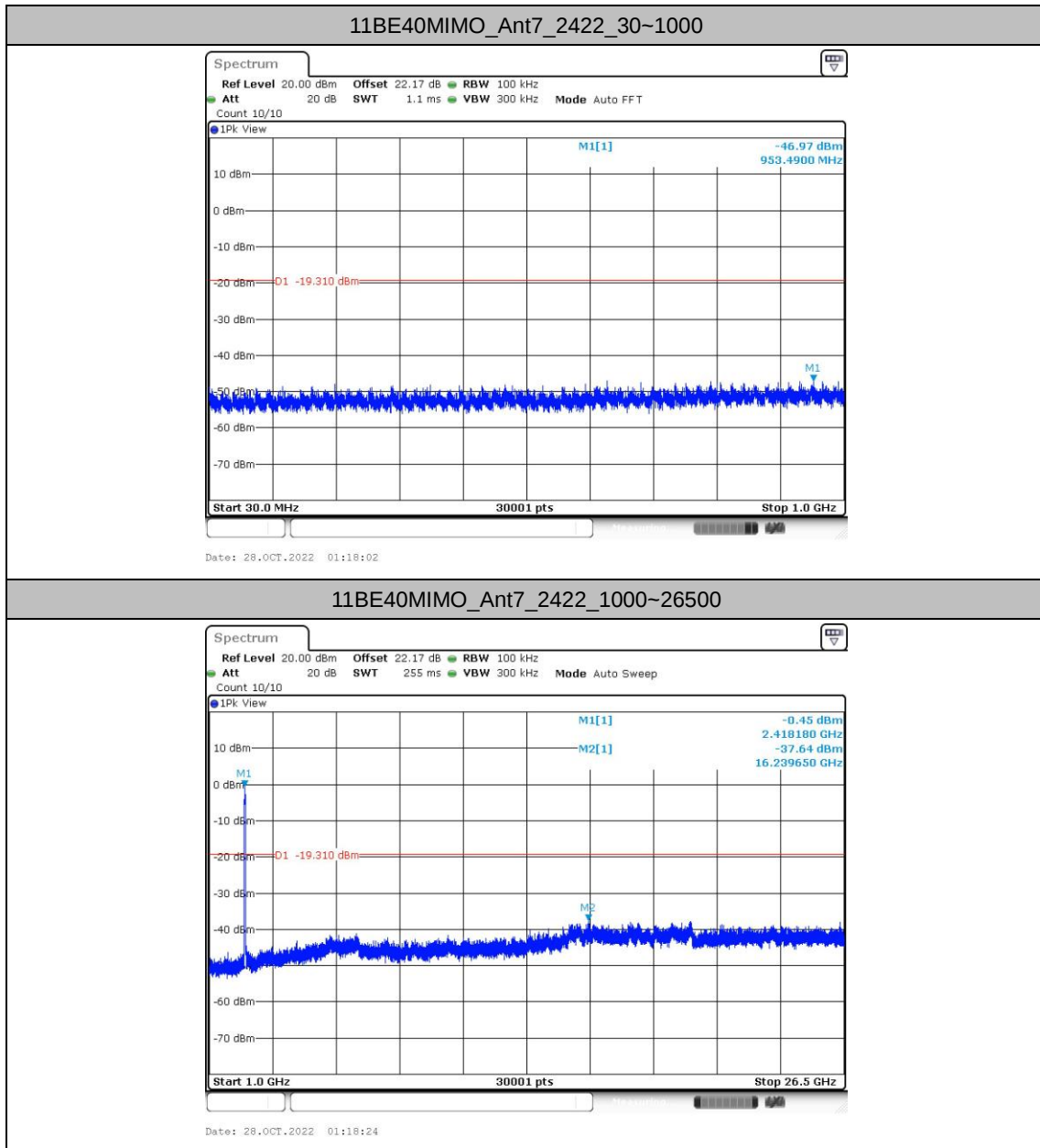


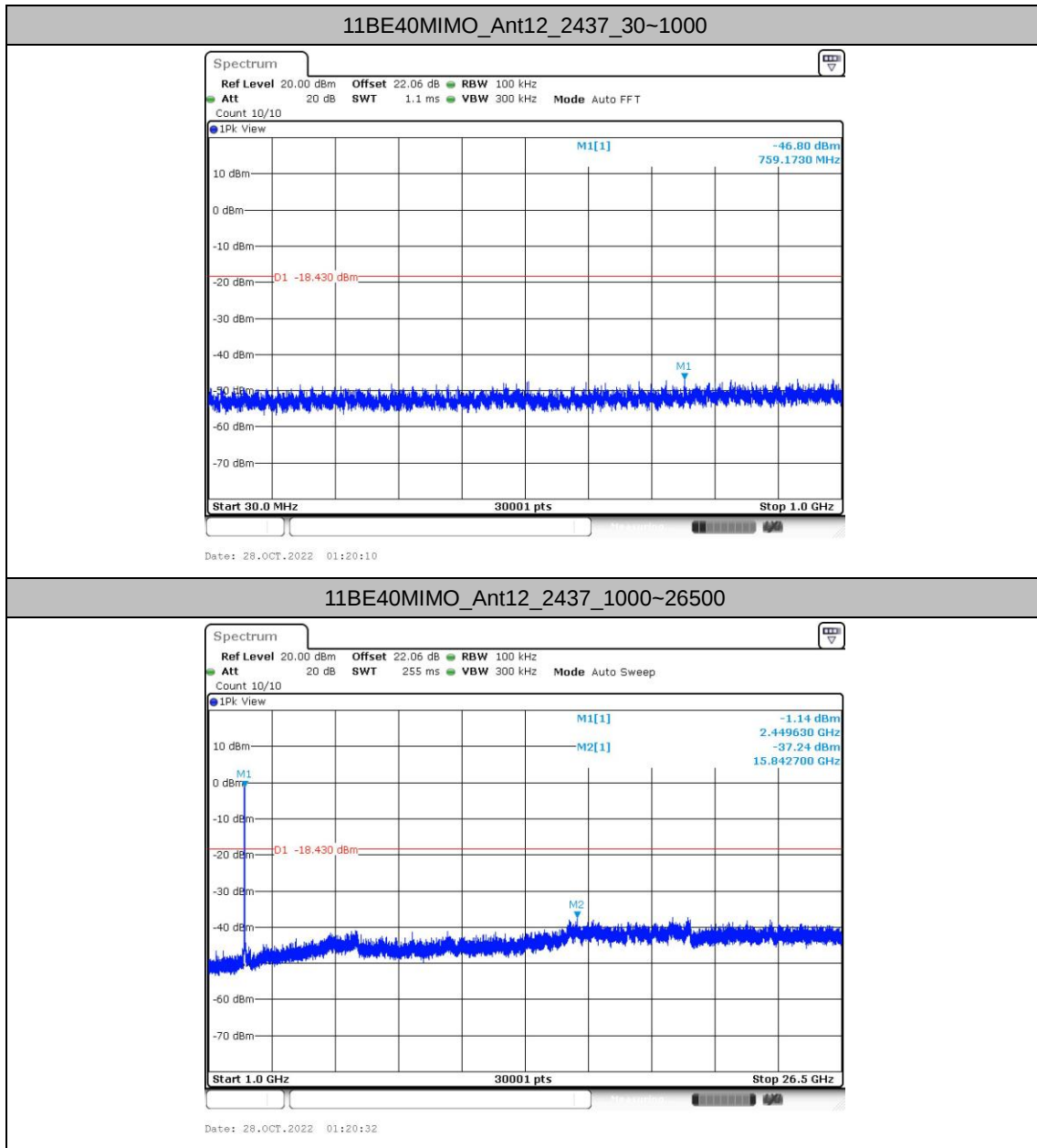


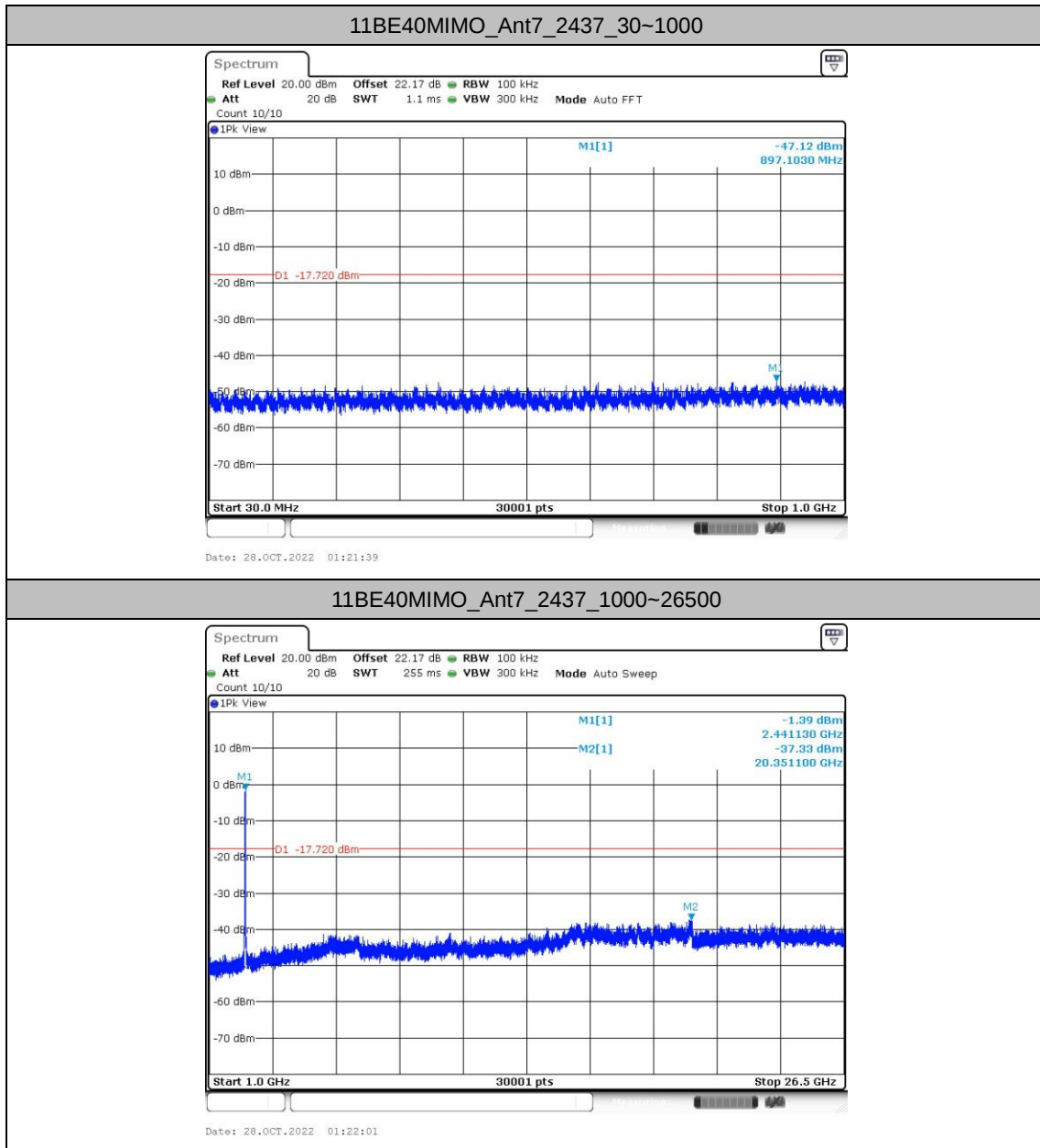


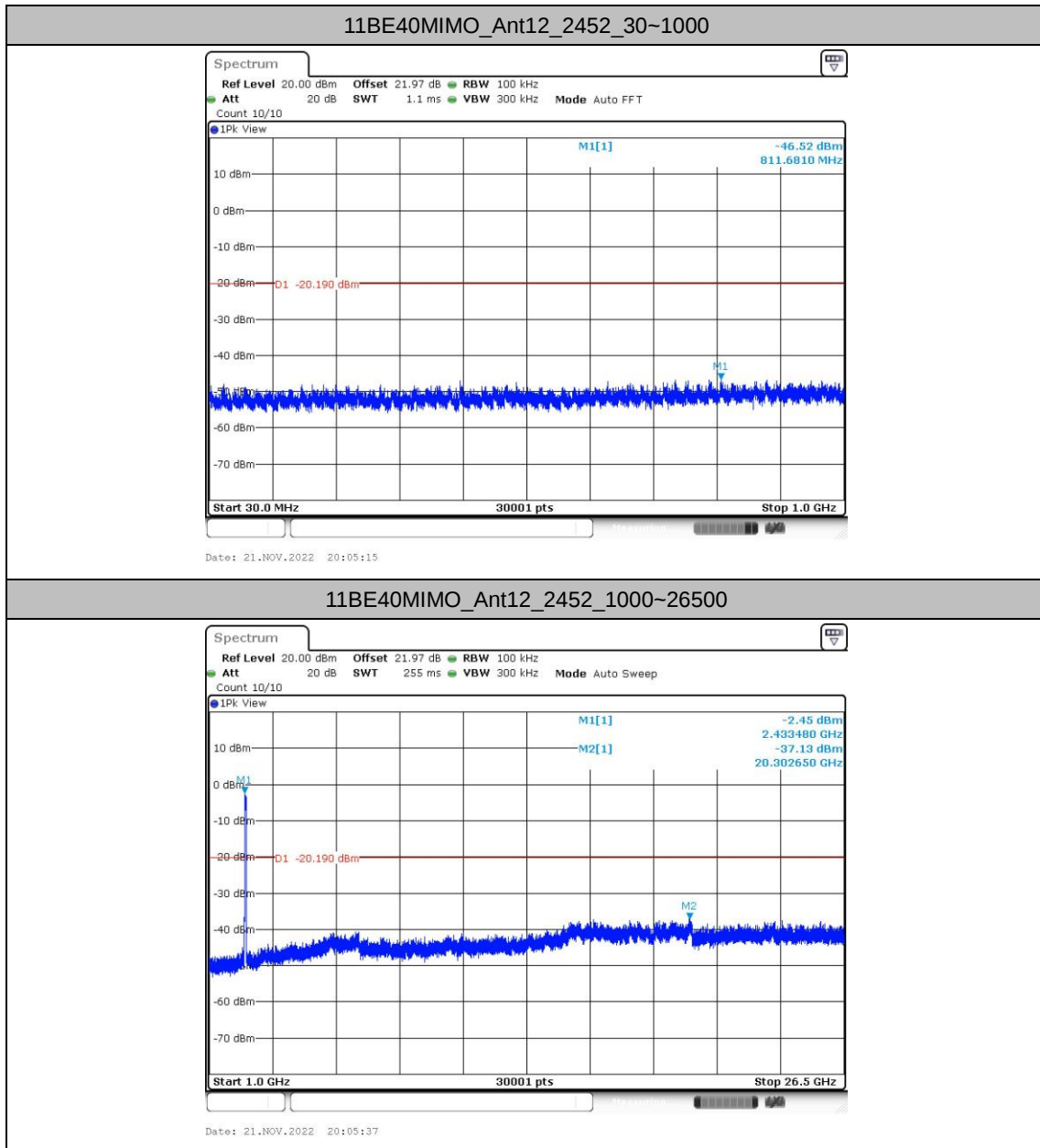


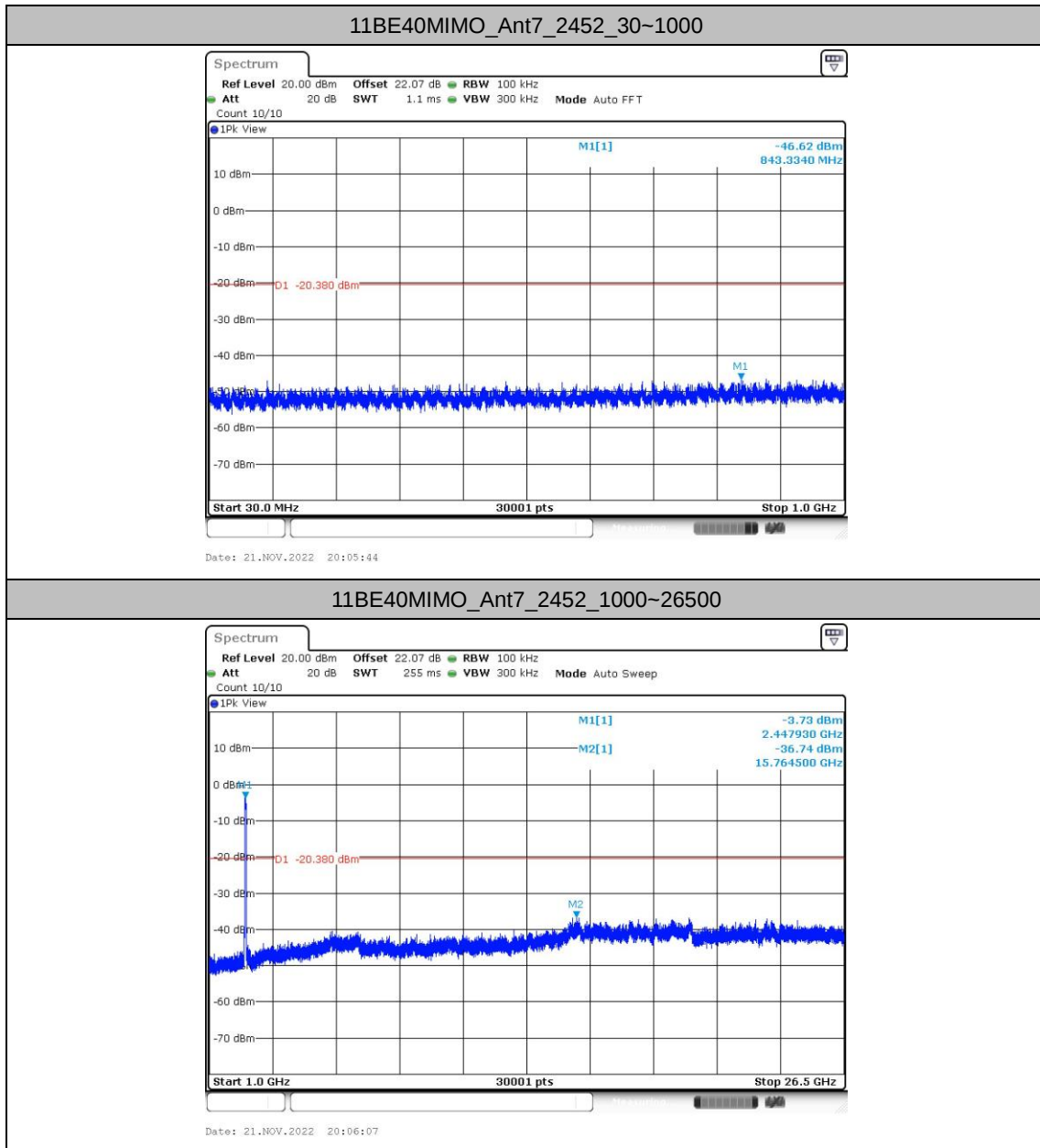














For single Partial RU

Conducted output power

Test Result Peak

Test Mode	Antenna	Freq (MHz)	Ru Size	Ru Index	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AX20MIMO	Ant12	2412	26Tone	RU0	9	17.18	≤30.00	15.58	≤36.00	PASS
			52Tone	RU37	12	20.58	≤30.00	18.98	≤36.00	PASS
			106Tone	RU53	15	23.5	≤30.00	22.00	≤36.00	PASS
	Ant7	2412	26Tone	RU0	9	17.56	≤30.00	14.16	≤36.00	PASS
			52Tone	RU37	12	20.64	≤30.00	17.24	≤36.00	PASS
			106Tone	RU53	15	23.48	≤30.00	20.18	≤36.00	PASS
	total	2412	26Tone	RU0	---	20.38	≤30.00	17.94	≤36.00	PASS
			52Tone	RU37	---	23.62	≤30.00	21.21	≤36.00	PASS
			106Tone	RU53	---	26.50	≤30.00	24.19	≤36.00	PASS
	Ant12	2462	26Tone	RU8	9	17.24	≤30.00	15.64	≤36.00	PASS
			52Tone	RU40	12	20.86	≤30.00	19.26	≤36.00	PASS
			106Tone	RU54	15	23.27	≤30.00	21.77	≤36.00	PASS
	Ant7	2462	26Tone	RU8	9	18.04	≤30.00	14.64	≤36.00	PASS
			52Tone	RU40	12	20.66	≤30.00	17.26	≤36.00	PASS
			106Tone	RU54	15	23.56	≤30.00	20.26	≤36.00	PASS
	total	2462	26Tone	RU8	---	20.67	≤30.00	18.18	≤36.00	PASS
			52Tone	RU40	---	23.77	≤30.00	21.38	≤36.00	PASS
			106Tone	RU54	---	26.43	≤30.00	24.09	≤36.00	PASS
11BE20MIMO	Ant12	2412	26Tone	RU0	9	17.25	≤30.00	15.65	≤36.00	PASS
			52Tone	RU37	12	20.69	≤30.00	19.09	≤36.00	PASS
			106Tone	RU53	15	23.59	≤30.00	22.09	≤36.00	PASS
	Ant7	2412	26Tone	RU0	9	17.74	≤30.00	14.34	≤36.00	PASS
			52Tone	RU37	12	20.84	≤30.00	17.44	≤36.00	PASS
			106Tone	RU53	15	23.51	≤30.00	20.21	≤36.00	PASS
	total	2412	26Tone	RU0	---	20.51	≤30.00	18.05	≤36.00	PASS
			52Tone	RU37	---	23.78	≤30.00	21.35	≤36.00	PASS
			106Tone	RU53	---	26.56	≤30.00	24.26	≤36.00	PASS
	Ant12	2462	26Tone	RU8	9	17.34	≤30.00	15.74	≤36.00	PASS
			52Tone	RU40	12	20.99	≤30.00	19.39	≤36.00	PASS
			106Tone	RU54	15	23.46	≤30.00	21.86	≤36.00	PASS
	Ant7	2462	26Tone	RU8	9	18.1	≤30.00	14.70	≤36.00	PASS
			52Tone	RU40	12	20.88	≤30.00	17.48	≤36.00	PASS
			106Tone	RU54	15	23.68	≤30.00	20.28	≤36.00	PASS
	total	2462	26Tone	RU8	---	20.75	≤30.00	18.26	≤36.00	PASS
			52Tone	RU40	---	23.95	≤30.00	21.55	≤36.00	PASS
			106Tone	RU54	---	26.58	≤30.00	24.15	≤36.00	PASS



Test Result Average (Report only)

Test Mode	Antenna	Freq (MHz)	Ru Size	Ru Index	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]
11AX20MIMO	Ant12	2412	26Tone	RU0	9	8.07	99.82	0.01	8.08
			52Tone	RU37	12	11.4	99.82	0.01	11.41
			106Tone	RU53	15	14.73	99.82	0.01	14.74
	Ant7	2412	26Tone	RU0	9	8.79	99.63	0.02	8.81
			52Tone	RU37	12	11.82	99.63	0.02	11.84
			106Tone	RU53	15	14.93	99.63	0.02	14.95
	total	2412	26Tone	RU0	---	---	---	---	11.47
			52Tone	RU37	---	---	---	---	14.64
			106Tone	RU53	---	---	---	---	17.86
	Ant12	2462	26Tone	RU8	9	8.05	99.82	0.01	8.06
			52Tone	RU40	12	11.5	99.82	0.01	11.51
			106Tone	RU54	15	14.46	99.82	0.01	14.47
	Ant7	2462	26Tone	RU8	9	9.38	99.63	0.02	9.4
			52Tone	RU40	12	12.03	99.63	0.02	12.05
			106Tone	RU54	15	15.1	99.63	0.02	15.12
	total	2462	26Tone	RU8	---	---	---	---	11.79
			52Tone	RU40	---	---	---	---	14.80
			106Tone	RU54	---	---	---	---	17.82
11BE20MIMO	Ant12	2412	26Tone	RU0	9	8.15	99.63	0.02	8.17
			52Tone	RU37	12	11.46	99.63	0.02	11.48
			106Tone	RU53	15	14.76	99.63	0.02	14.78
	Ant7	2412	26Tone	RU0	9	8.87	99.63	0.02	8.89
			52Tone	RU37	12	11.92	99.63	0.02	11.94
			106Tone	RU53	15	14.97	99.63	0.02	14.99
	total	2412	26Tone	RU0	---	---	---	---	11.56
			52Tone	RU37	---	---	---	---	14.73
			106Tone	RU53	---	---	---	---	17.90
	Ant12	2462	26Tone	RU8	9	8.11	99.63	0.02	8.13
			52Tone	RU40	12	11.54	99.63	0.02	11.56
			106Tone	RU54	15	14.52	99.63	0.02	14.54
	Ant7	2462	26Tone	RU8	9	9.46	99.63	0.02	9.48
			52Tone	RU40	12	12.06	99.63	0.02	12.08
			106Tone	RU54	15	15.2	99.63	0.02	15.22
	total	2462	26Tone	RU8	---	---	---	---	11.87
			52Tone	RU40	---	---	---	---	14.84
			106Tone	RU54	---	---	---	---	17.90

Note: Duty factor =10 log (1/x), where x is the measured duty cycle



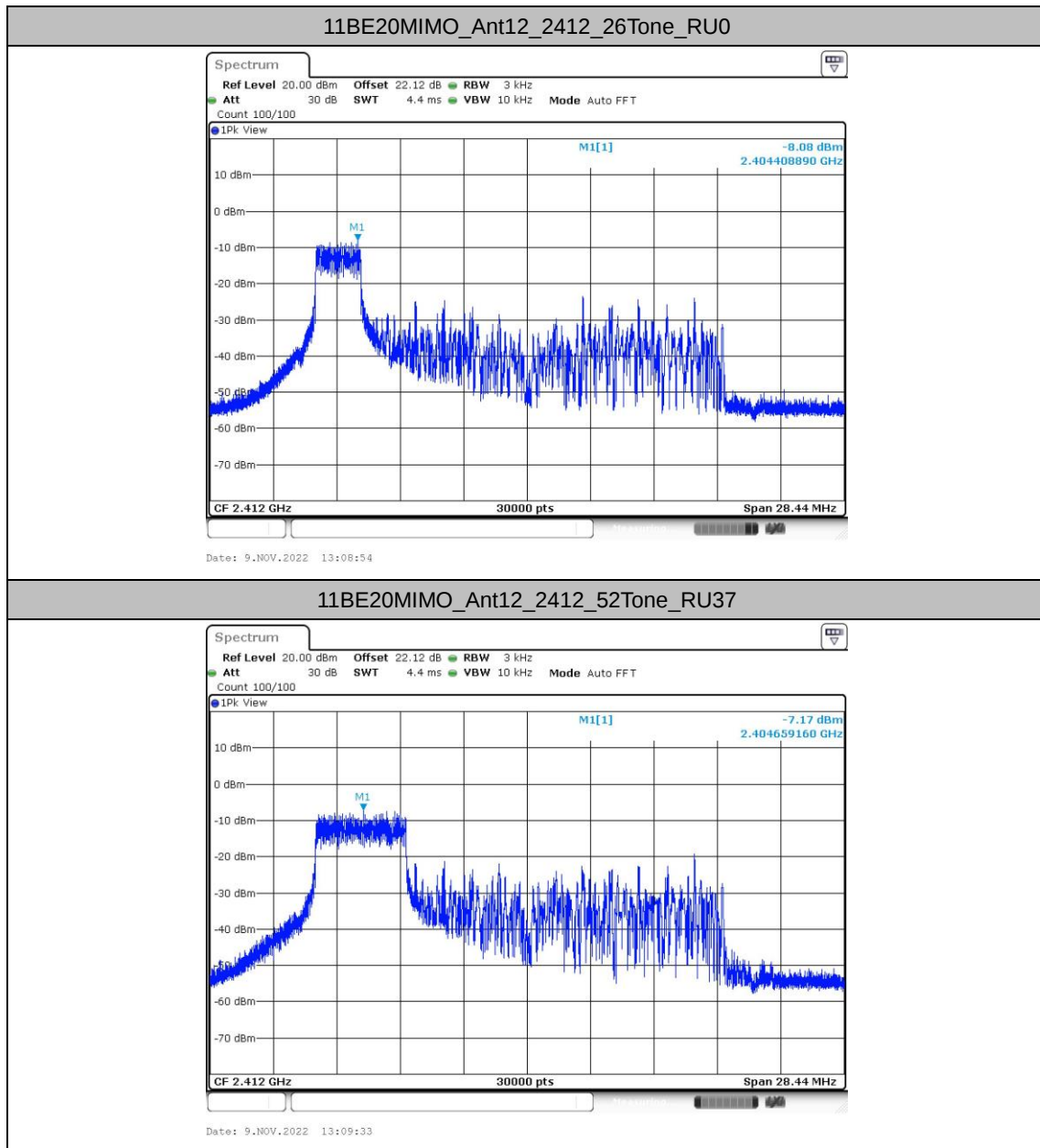
Power spectral density

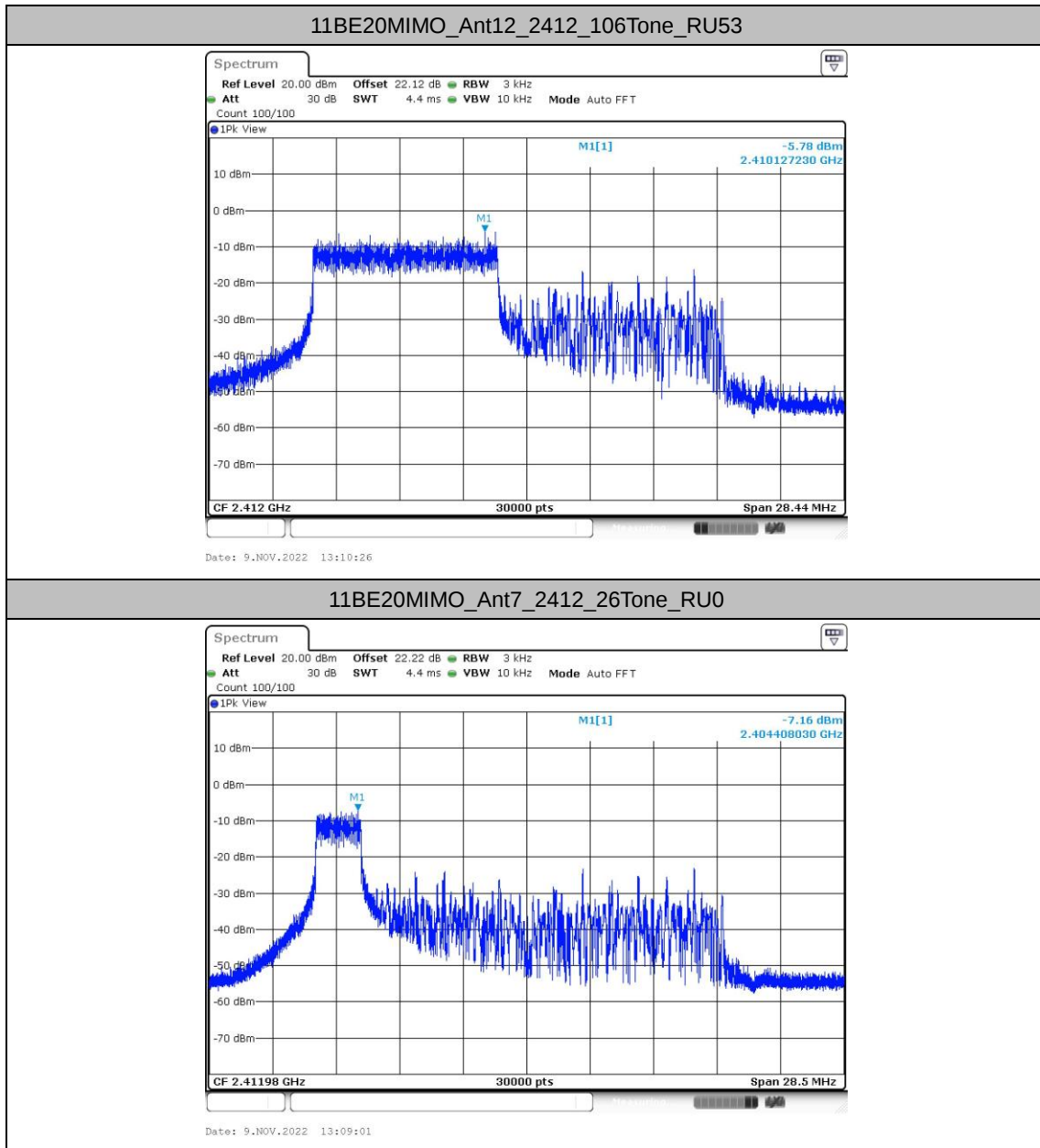
Test Result

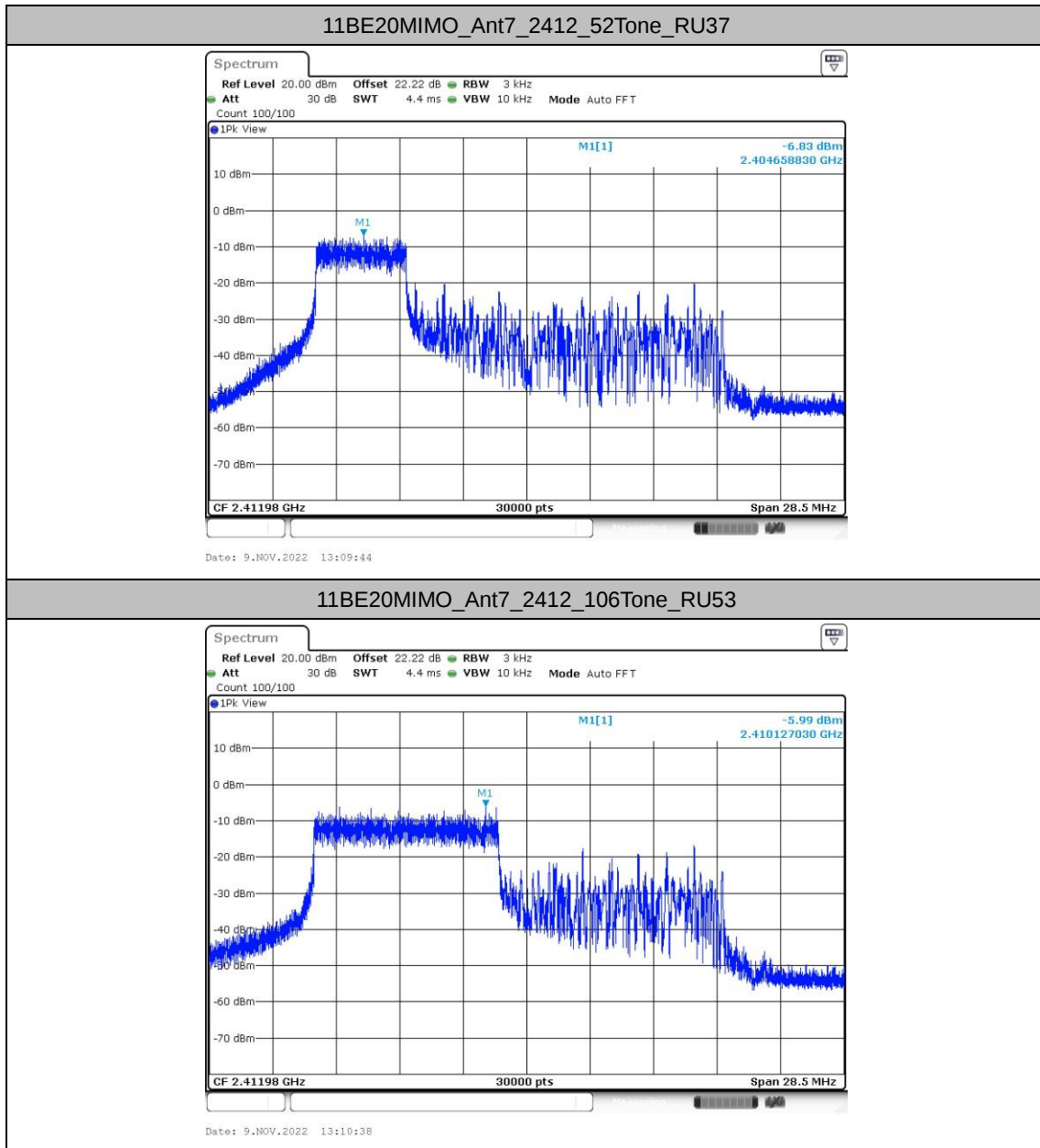
TestMode	Antenna	Freq(MHz)	RuSize	RuIndex	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11BE20MIMO	Ant12	2412	26Tone	RU0	-8.08	≤8.00	PASS
			52Tone	RU37	-7.17	≤8.00	PASS
			106Tone	RU53	-5.78	≤8.00	PASS
	Ant7	2412	26Tone	RU0	-7.16	≤8.00	PASS
			52Tone	RU37	-6.83	≤8.00	PASS
			106Tone	RU53	-5.99	≤8.00	PASS
	total	2412	26Tone	RU0	-4.59	≤8.00	PASS
			52Tone	RU37	-3.99	≤8.00	PASS
			106Tone	RU53	-2.87	≤8.00	PASS
	Ant12	2462	26Tone	RU8	-6.85	≤8.00	PASS
			52Tone	RU40	-6.78	≤8.00	PASS
			106Tone	RU54	-6.51	≤8.00	PASS
	Ant7	2462	26Tone	RU8	-6.49	≤8.00	PASS
			52Tone	RU40	-5.95	≤8.00	PASS
			106Tone	RU54	-5.96	≤8.00	PASS
	total	2462	26Tone	RU8	-3.66	≤8.00	PASS
			52Tone	RU40	-3.33	≤8.00	PASS
			106Tone	RU54	-3.22	≤8.00	PASS

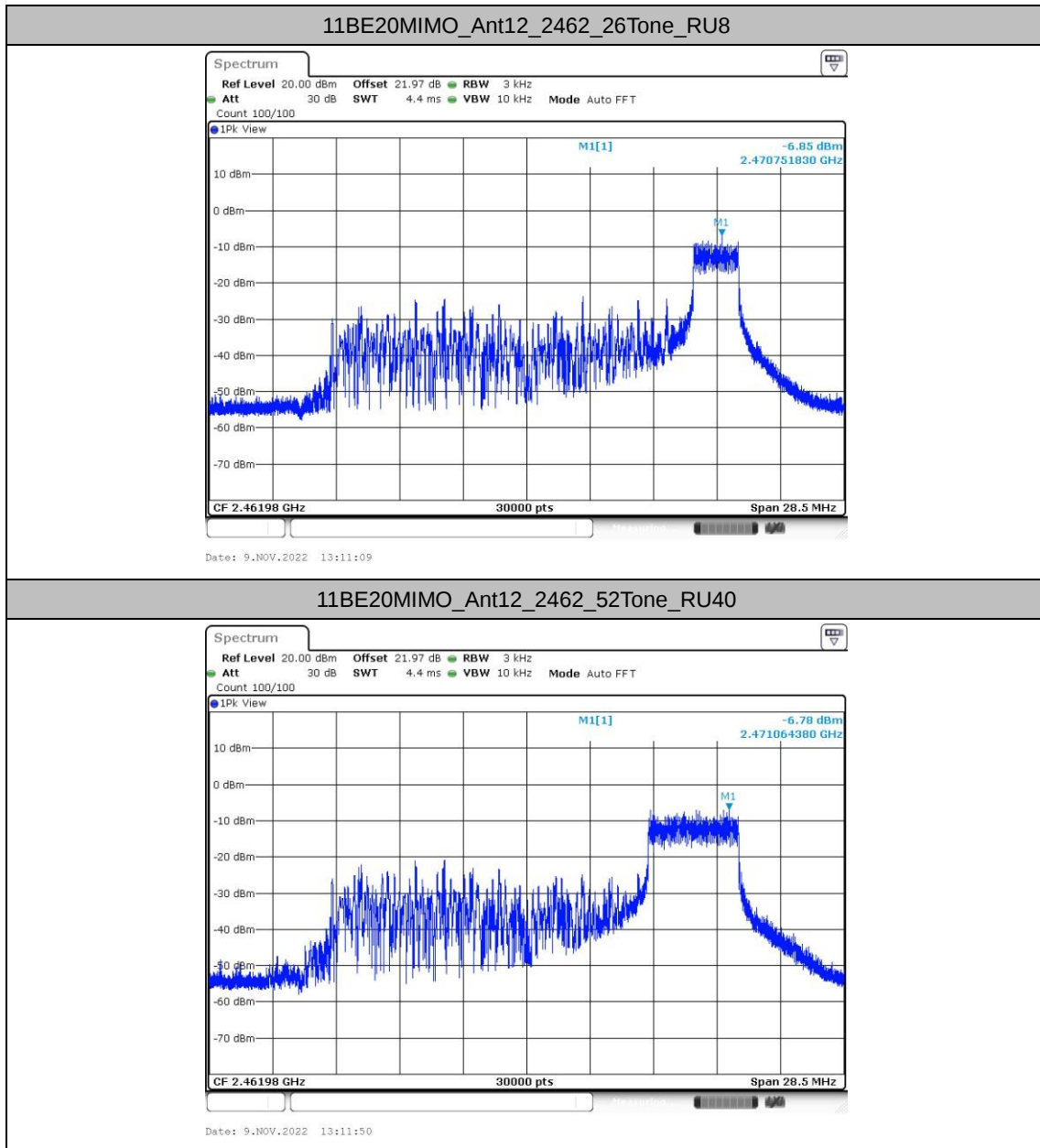


Test Graphs



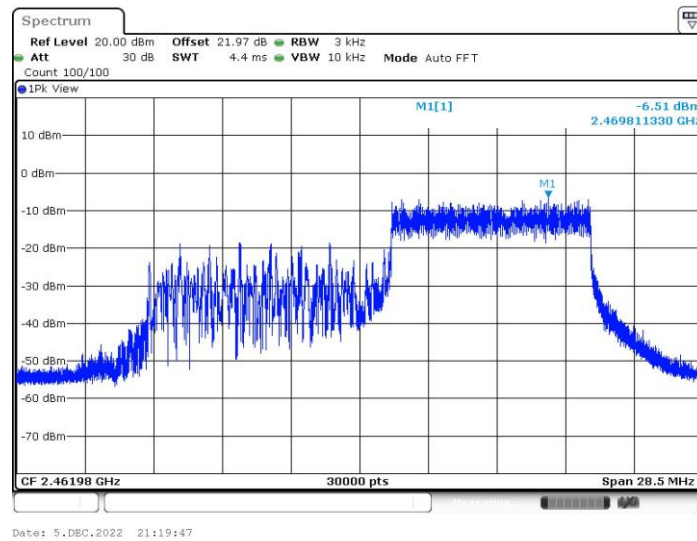




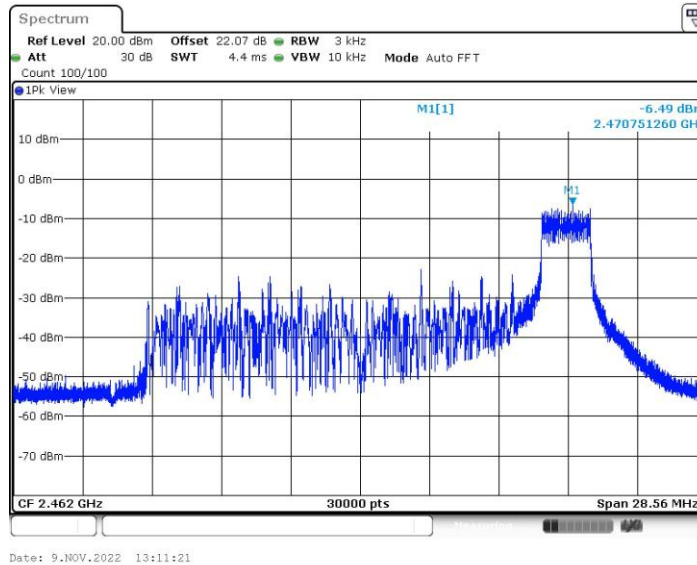


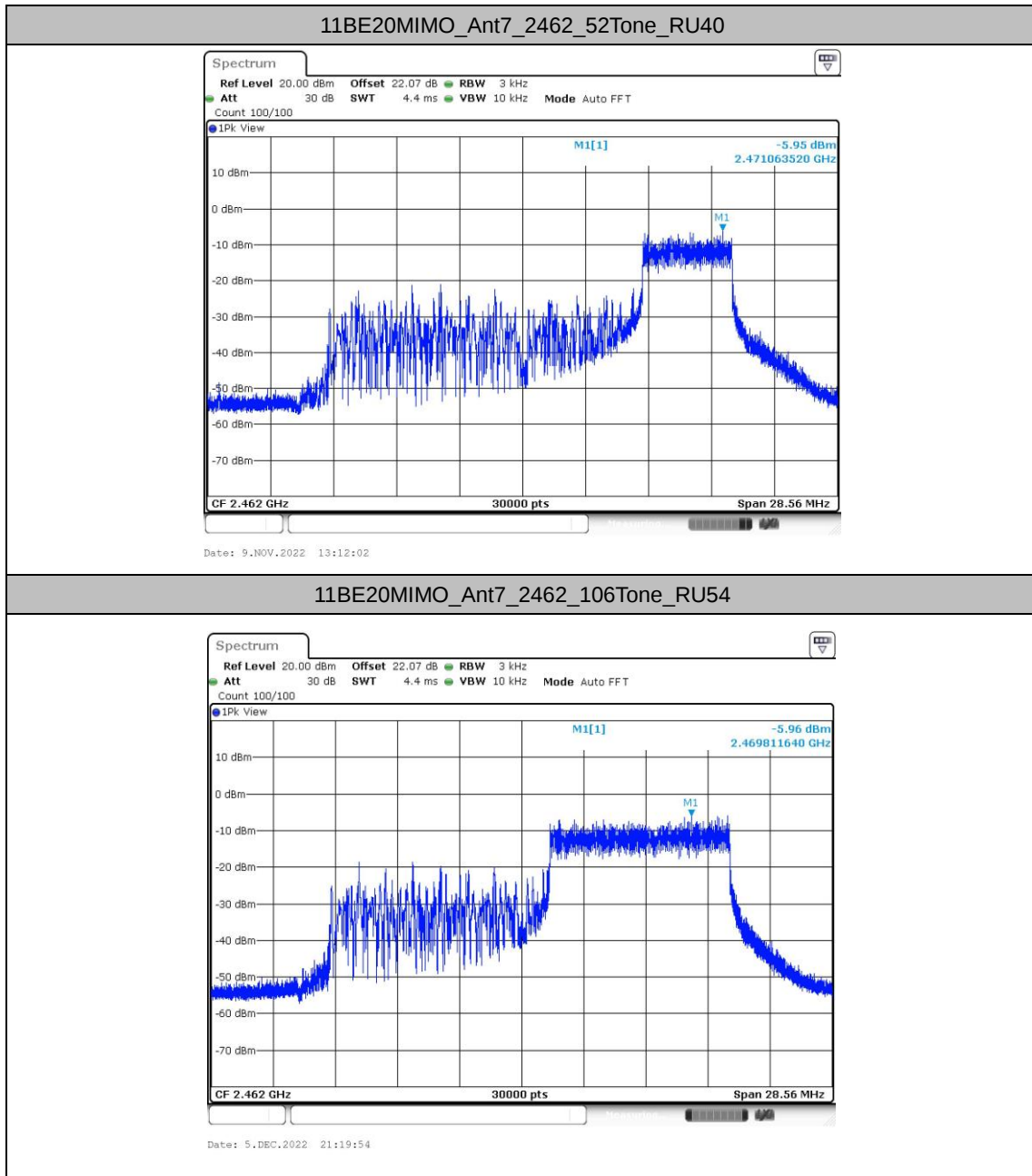


11BE20MIMO_Ant12_2462_106Tone_RU54



11BE20MIMO_Ant7_2462_26Tone_RU8







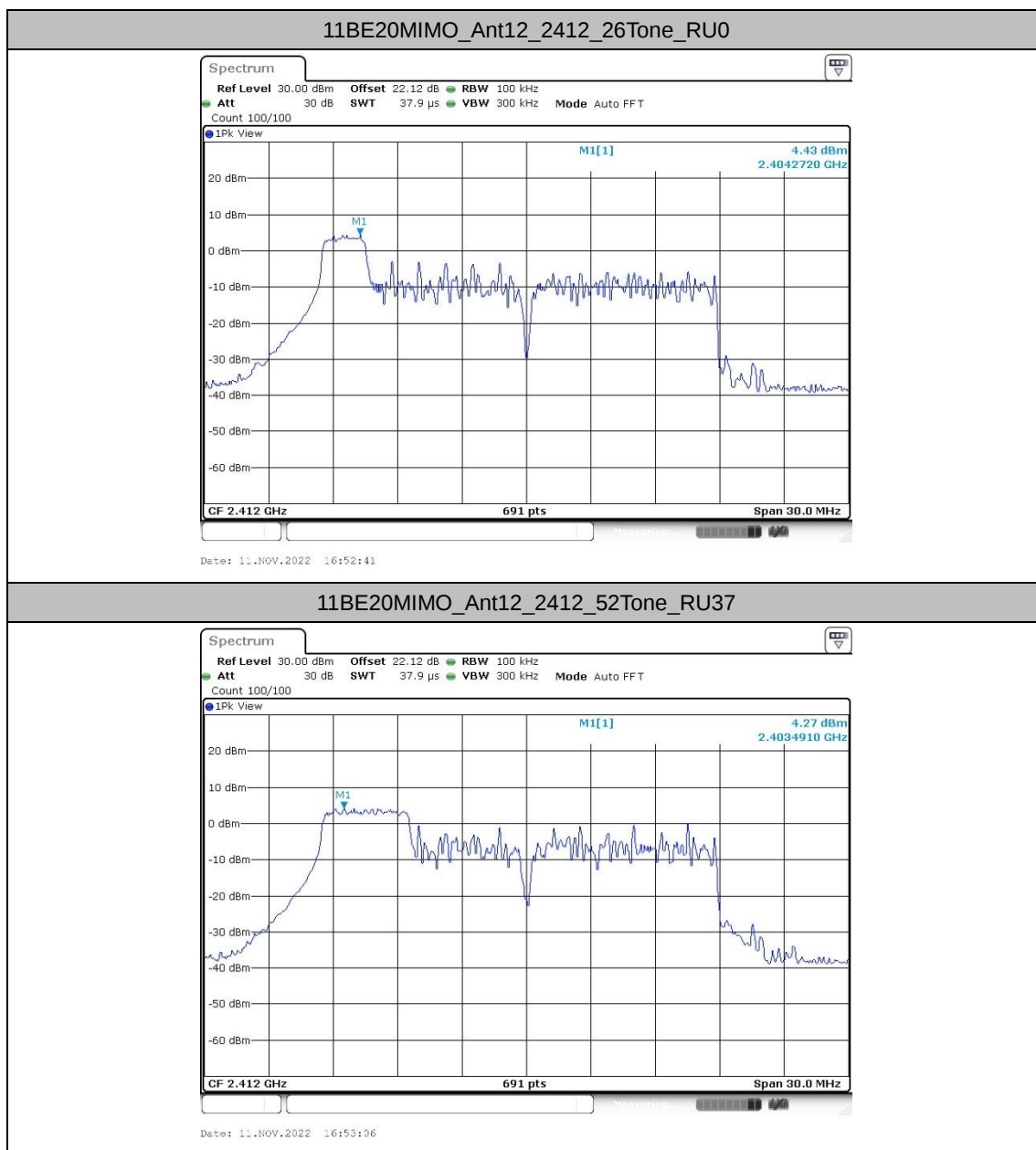
Reference level measurement

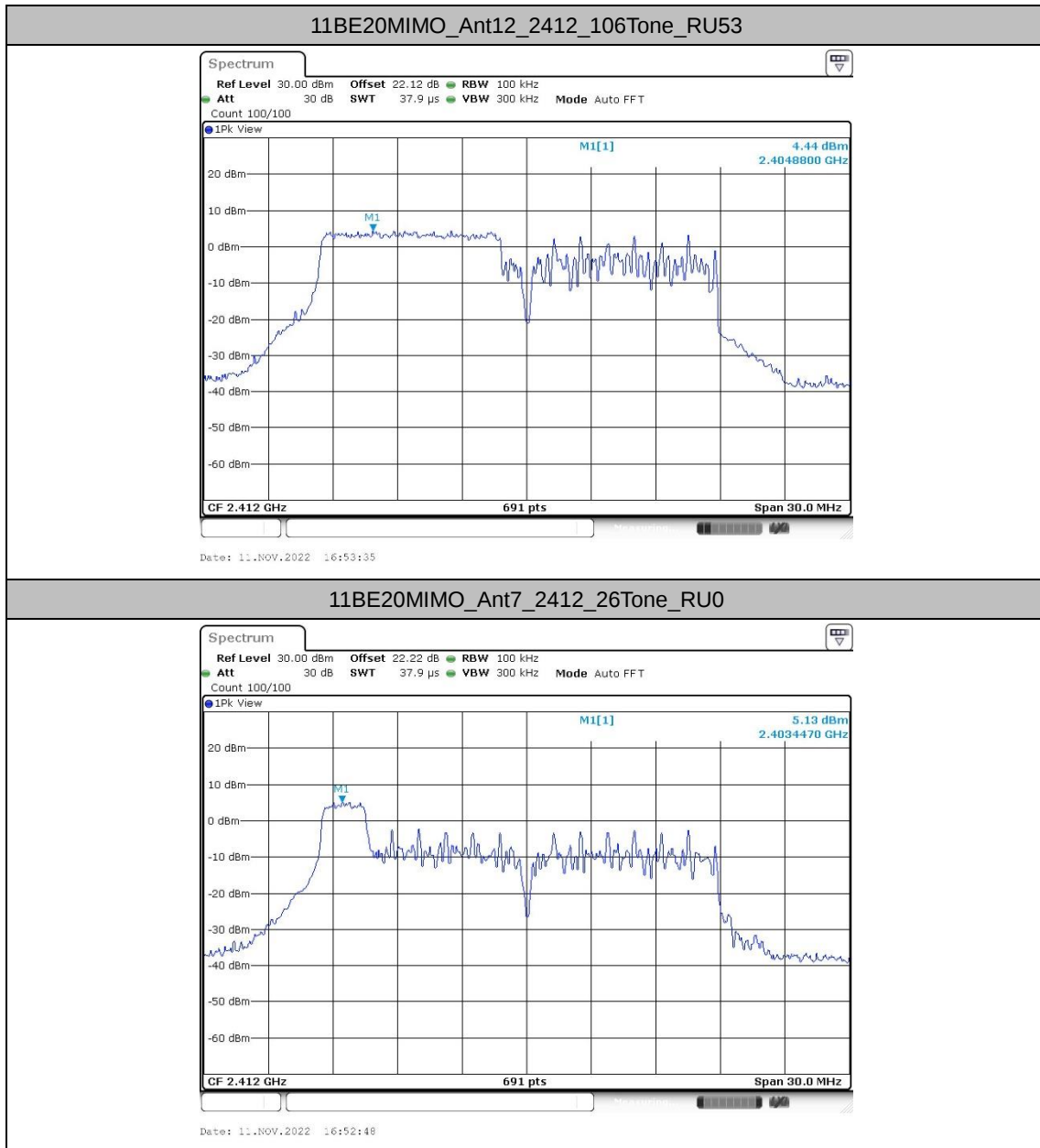
Test Result

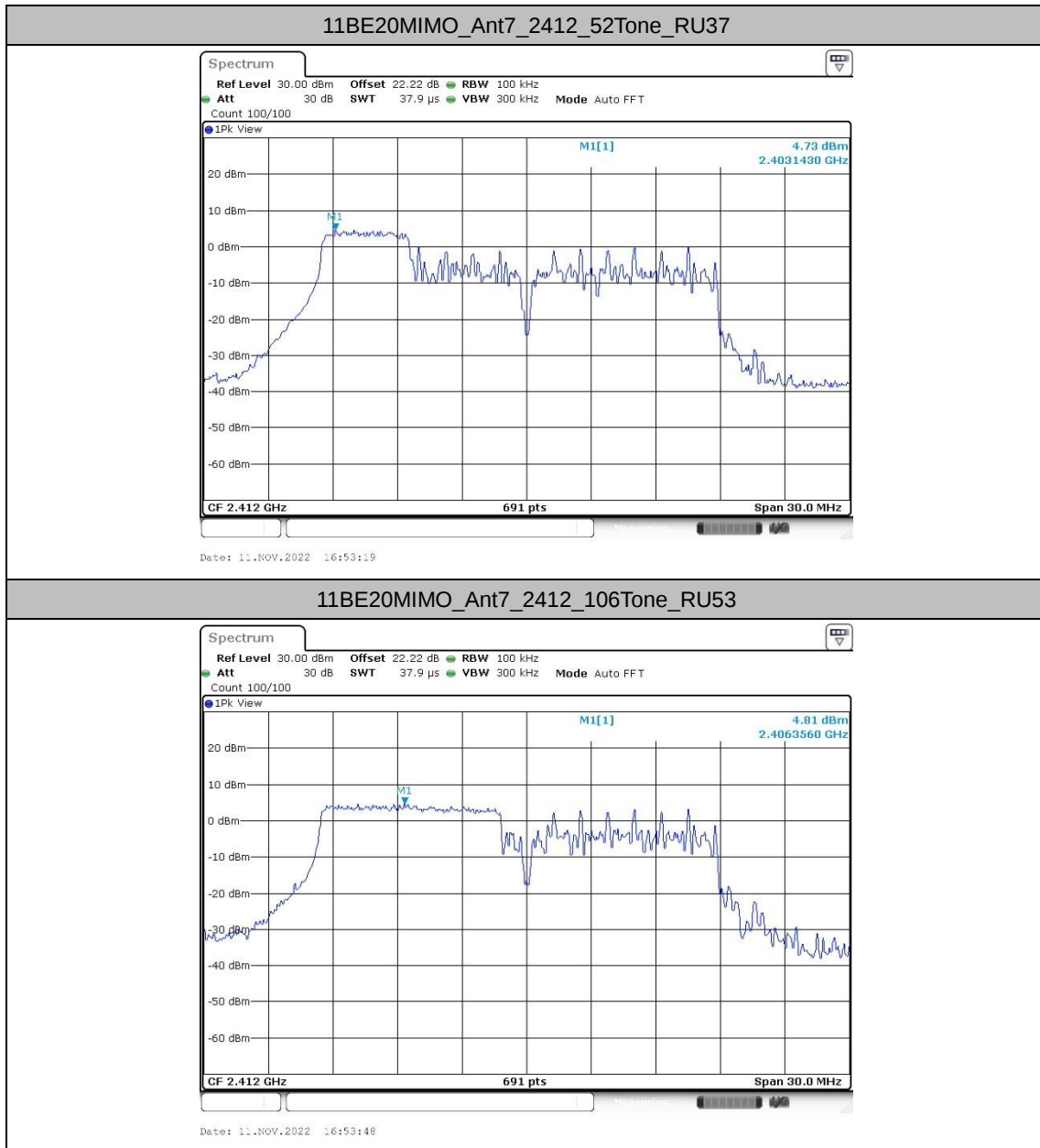
TestMode	Antenna	Freq(MHz)	Ru Size	Ru Index	Max.Point[MHz]	Result[dBm]
11BE20MIMO	Ant12	2412	26Tone	RU0	2404.27	4.43
			52Tone	RU37	2403.49	4.27
			106Tone	RU53	2404.88	4.44
	Ant7	2412	26Tone	RU0	2403.45	5.13
			52Tone	RU37	2403.14	4.73
			106Tone	RU53	2406.36	4.81
	Ant12	2462	26Tone	RU8	2470.47	4.25
			52Tone	RU40	2469.12	4.53
			106Tone	RU54	2464.69	4.35
	Ant7	2462	26Tone	RU8	2471.12	5.24
			52Tone	RU40	2469.12	5.24
			106Tone	RU54	2468.38	4.87

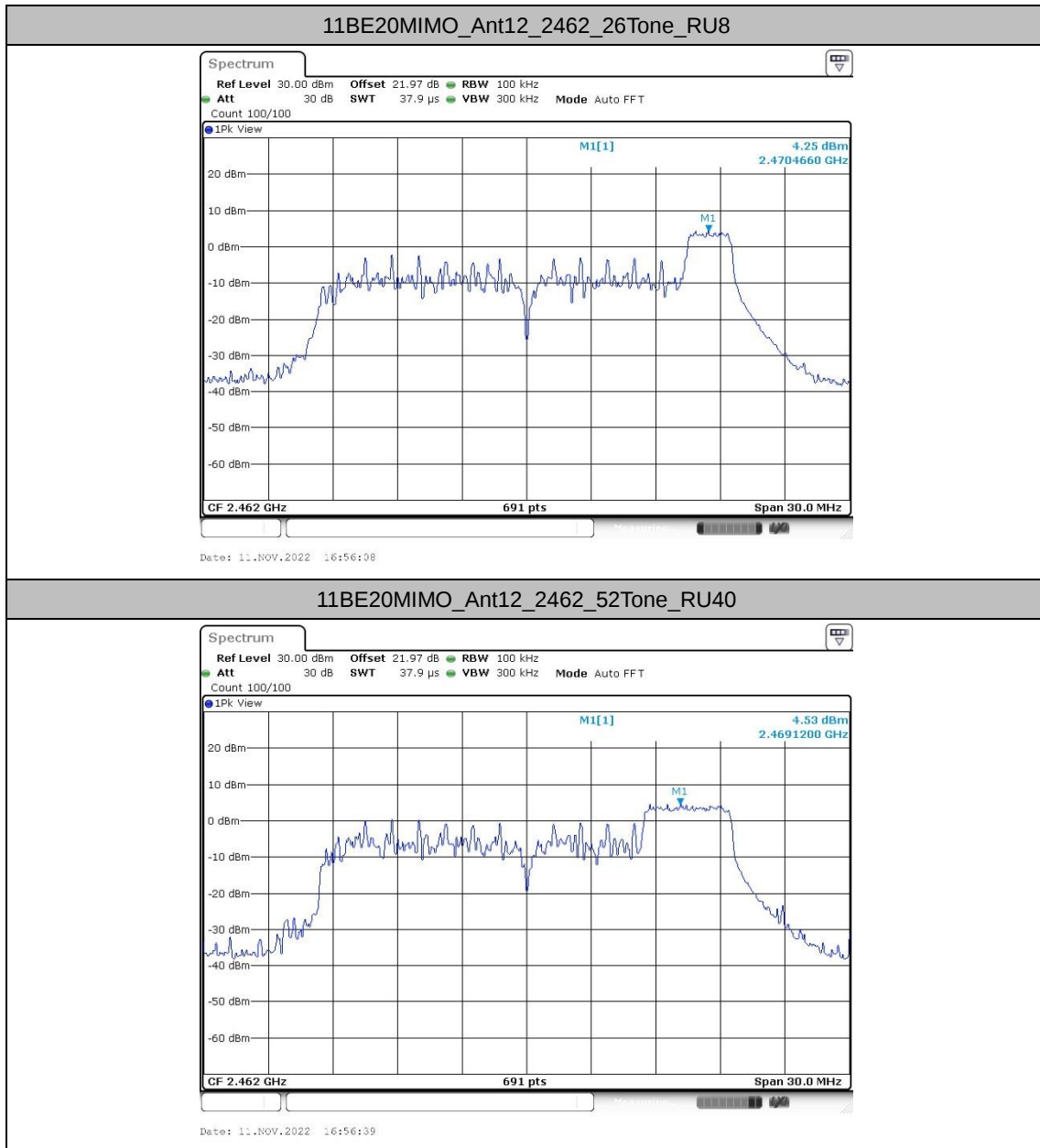


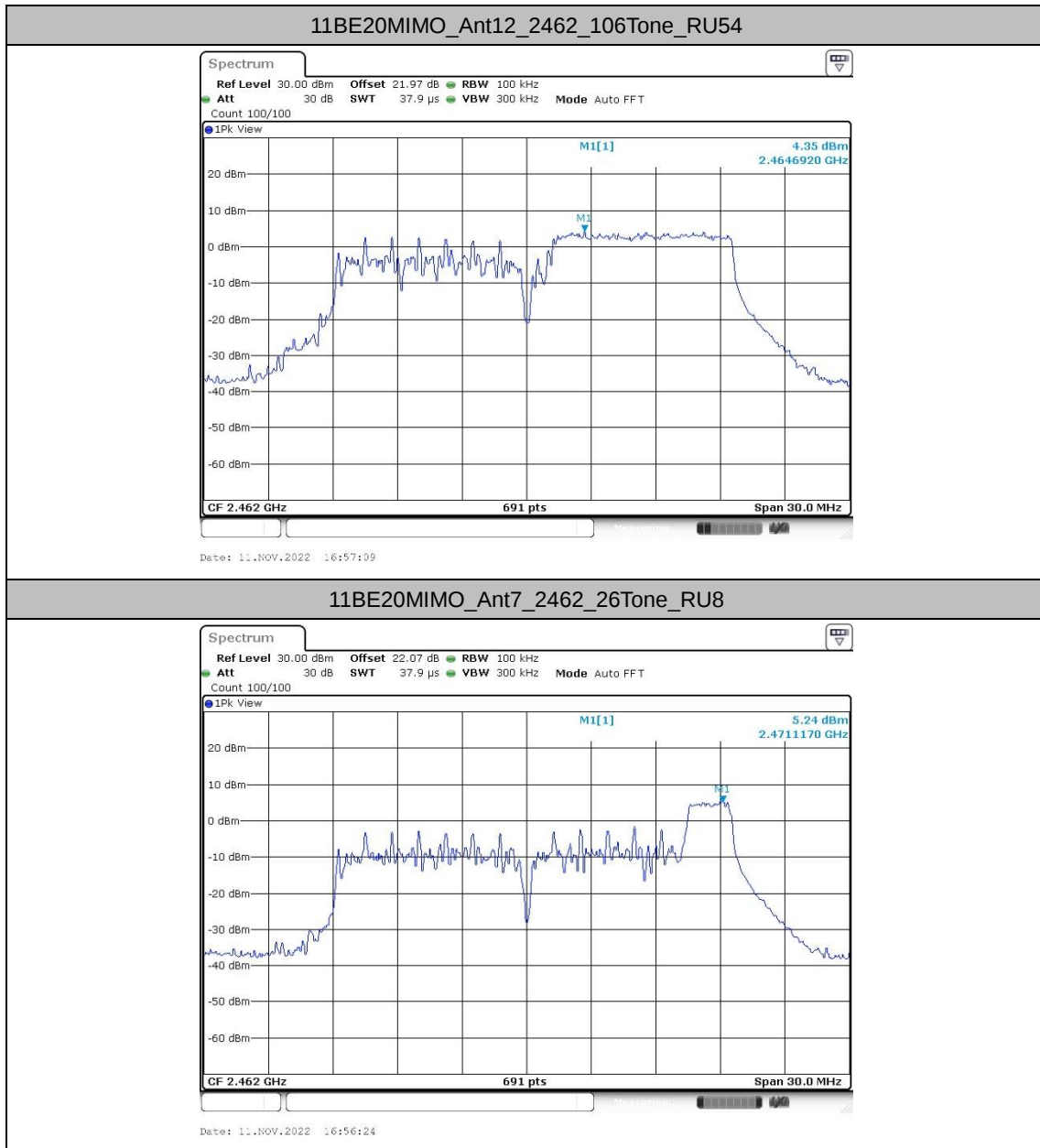
Test Graphs

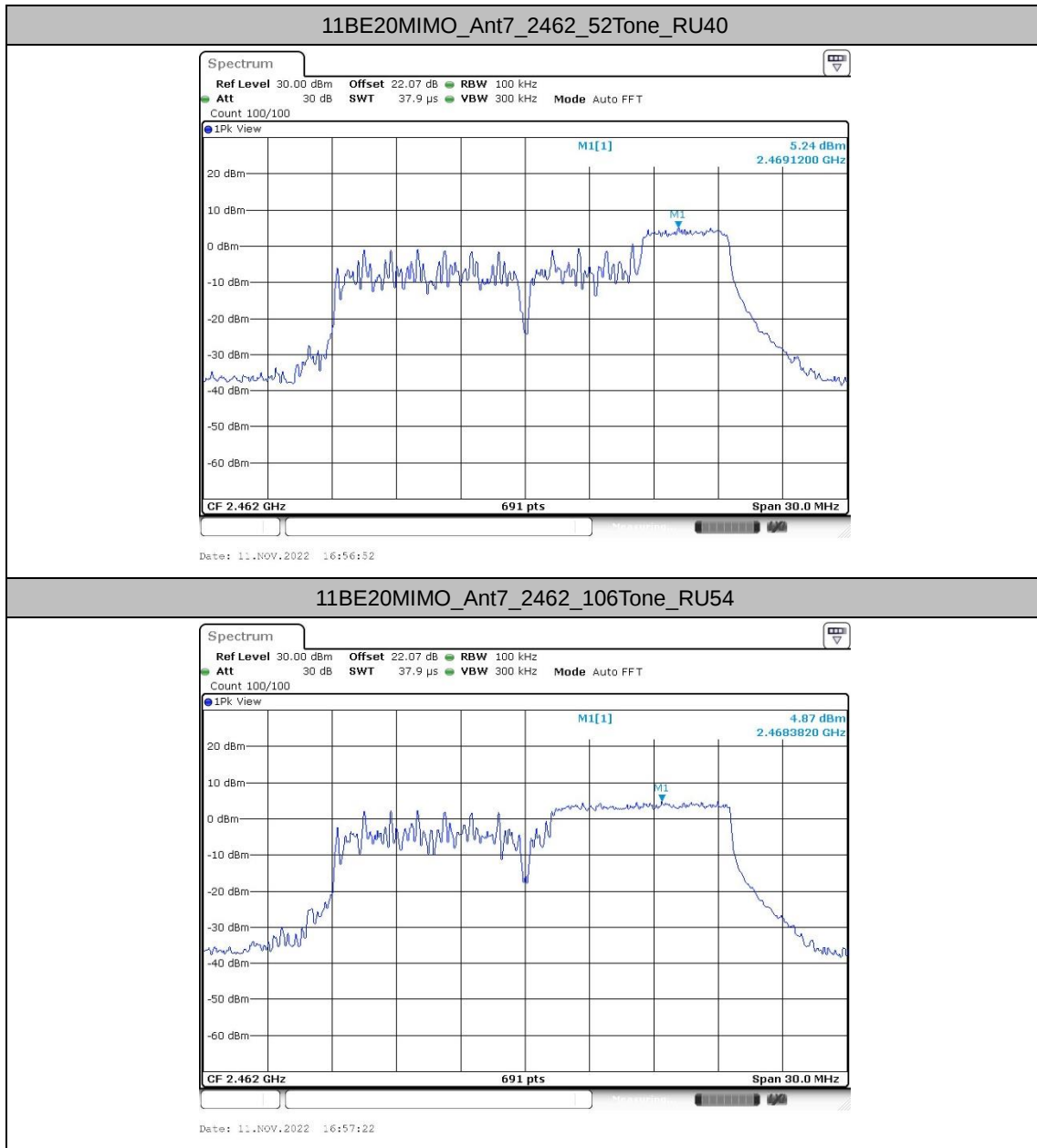














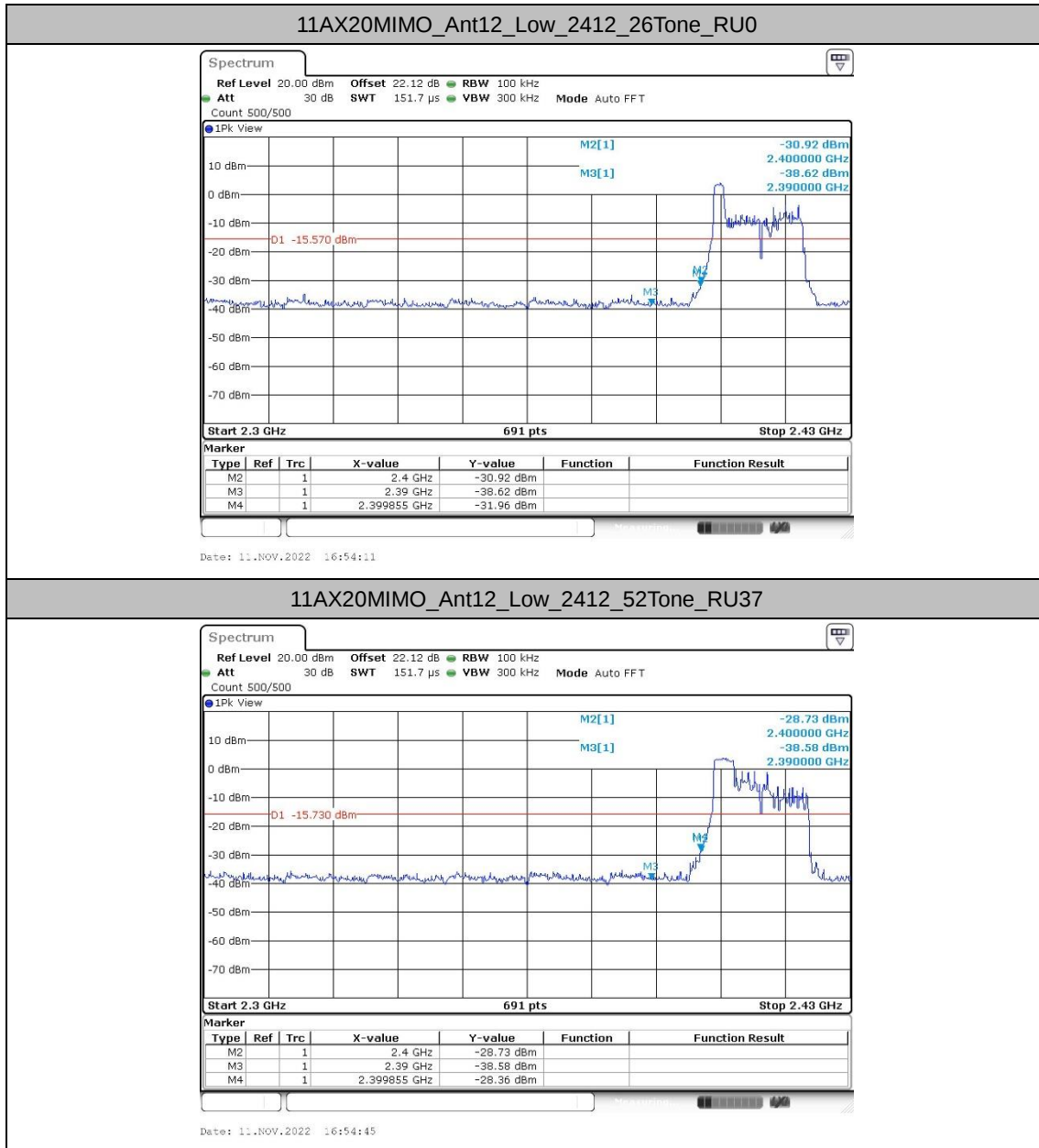
Band edge measurements

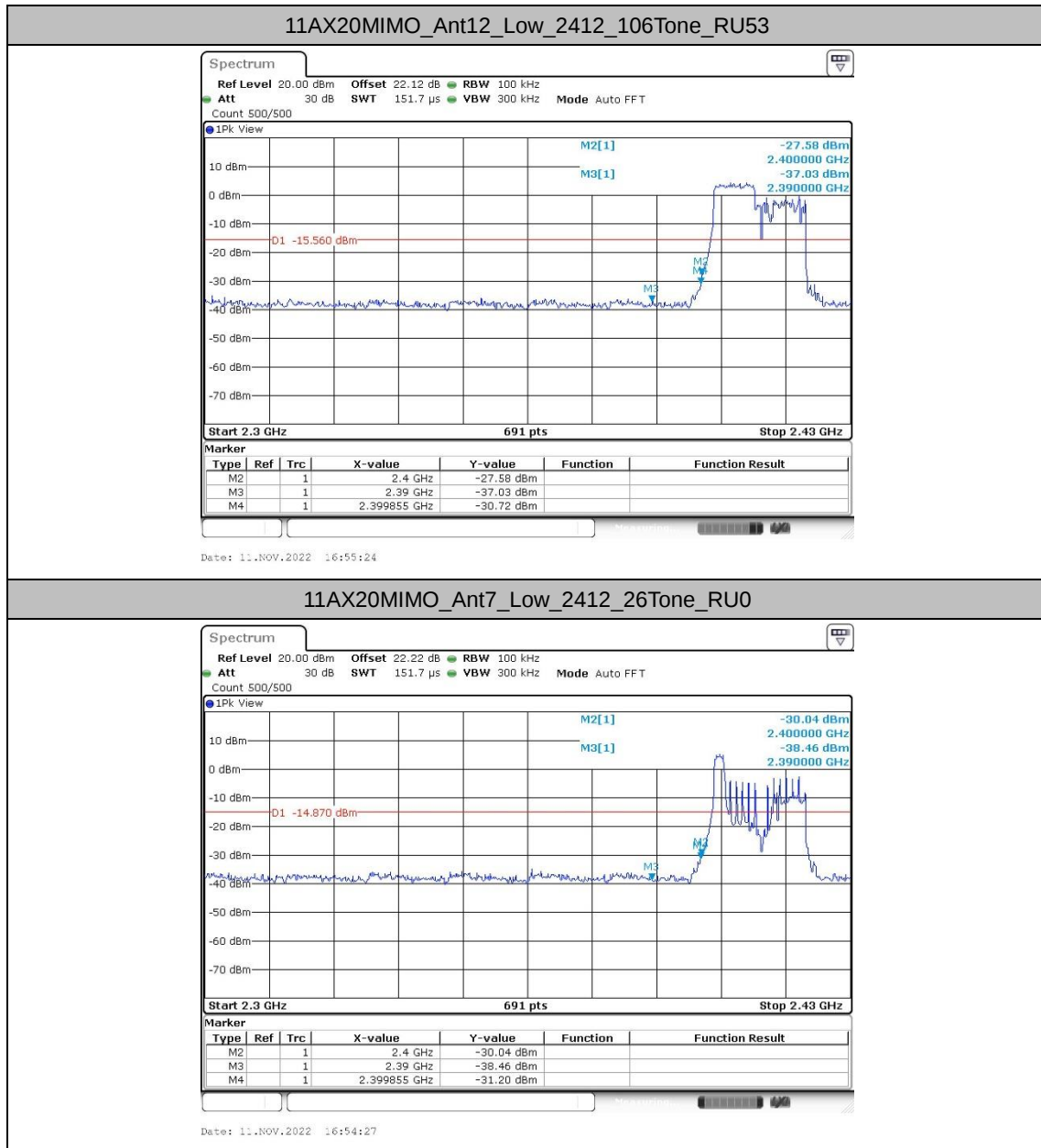
Test Result

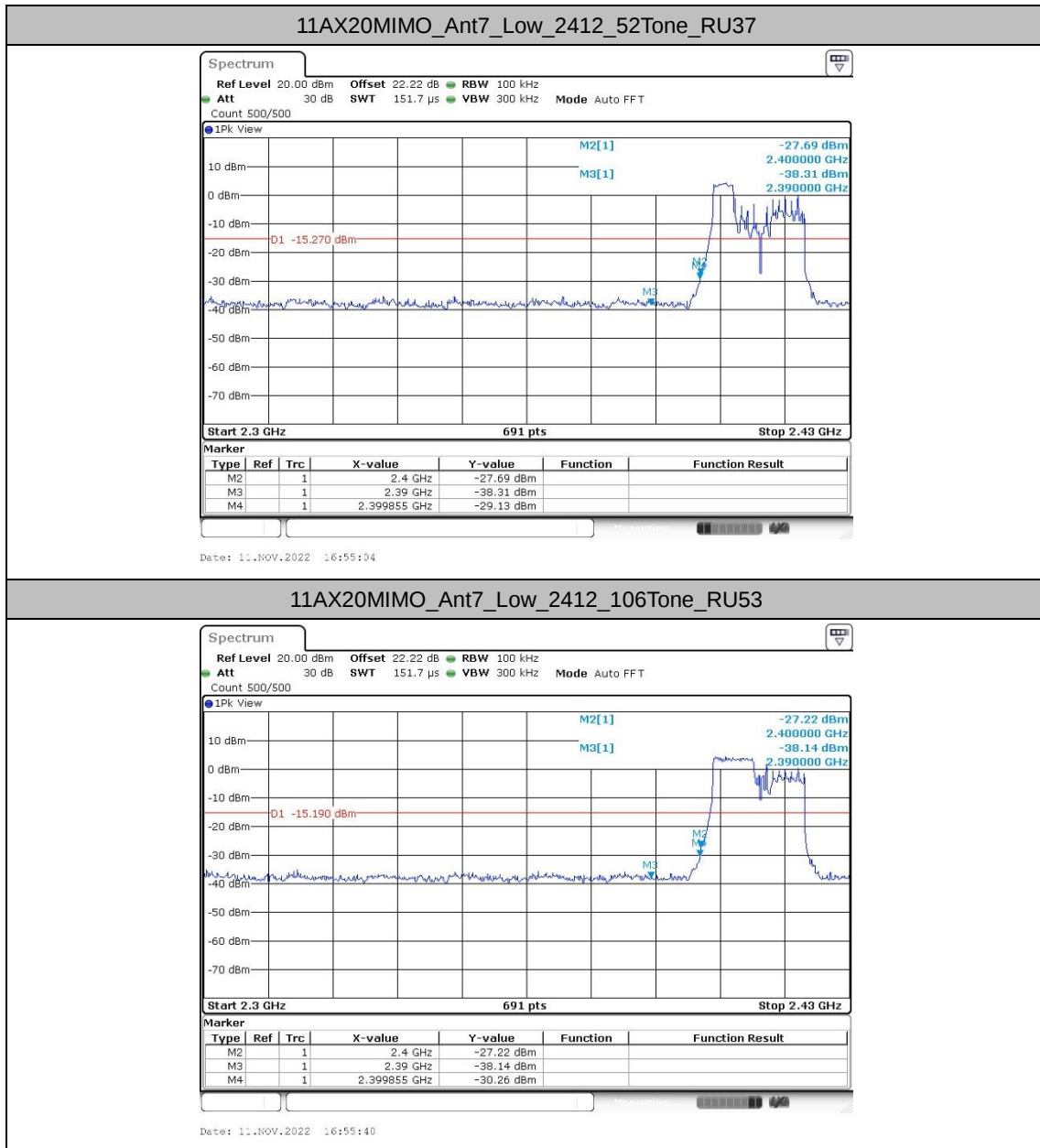
TestMode	Antenna	ChName	Freq(MHz)	Ru Size	Ru Index	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11BE20MIMO	Ant12	Low	2412	26Tone	RU0	4.43	-31.96	≤-15.57	PASS
				52Tone	RU37	4.27	-28.36	≤-15.73	PASS
				106Tone	RU53	4.44	-30.72	≤-15.56	PASS
	Ant7	Low	2412	26Tone	RU0	5.13	-31.2	≤-14.87	PASS
				52Tone	RU37	4.73	-29.13	≤-15.27	PASS
				106Tone	RU53	4.81	-30.26	≤-15.19	PASS
	Ant12	High	2462	26Tone	RU8	4.25	-35.29	≤-15.75	PASS
				52Tone	RU40	4.53	-34.82	≤-15.47	PASS
				106Tone	RU54	4.35	-34.23	≤-15.65	PASS
	Ant7	High	2462	26Tone	RU8	5.24	-34.05	≤-14.76	PASS
				52Tone	RU40	5.24	-34.2	≤-14.76	PASS
				106Tone	RU54	4.87	-34.74	≤-15.13	PASS



Test Graphs

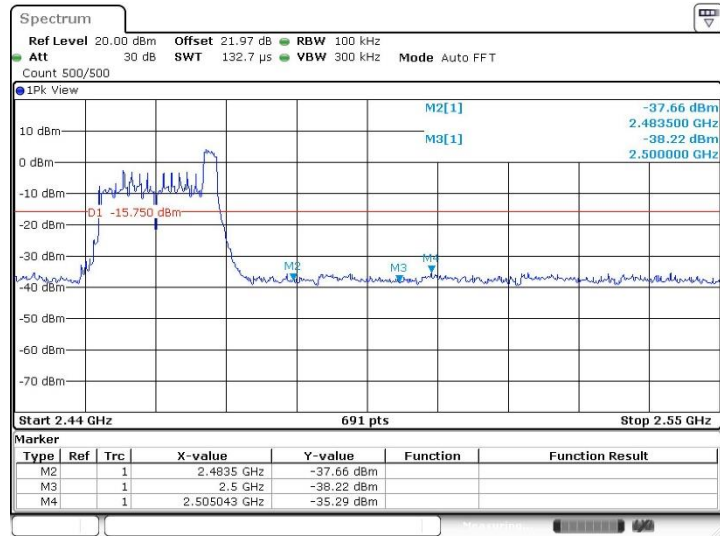




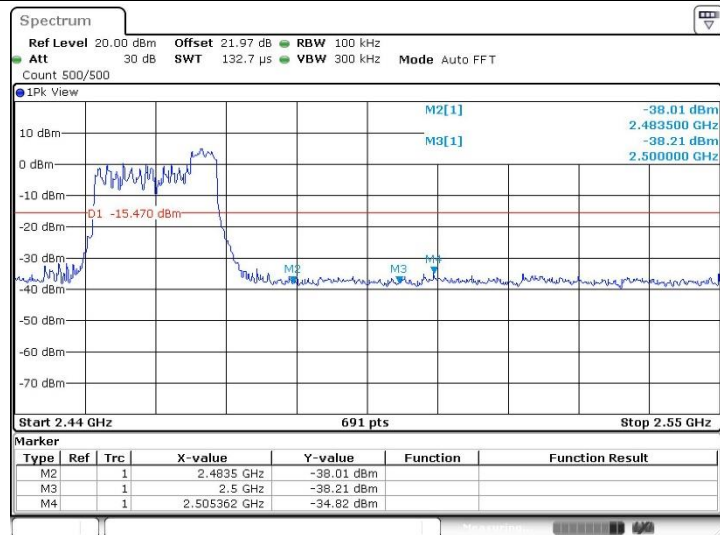


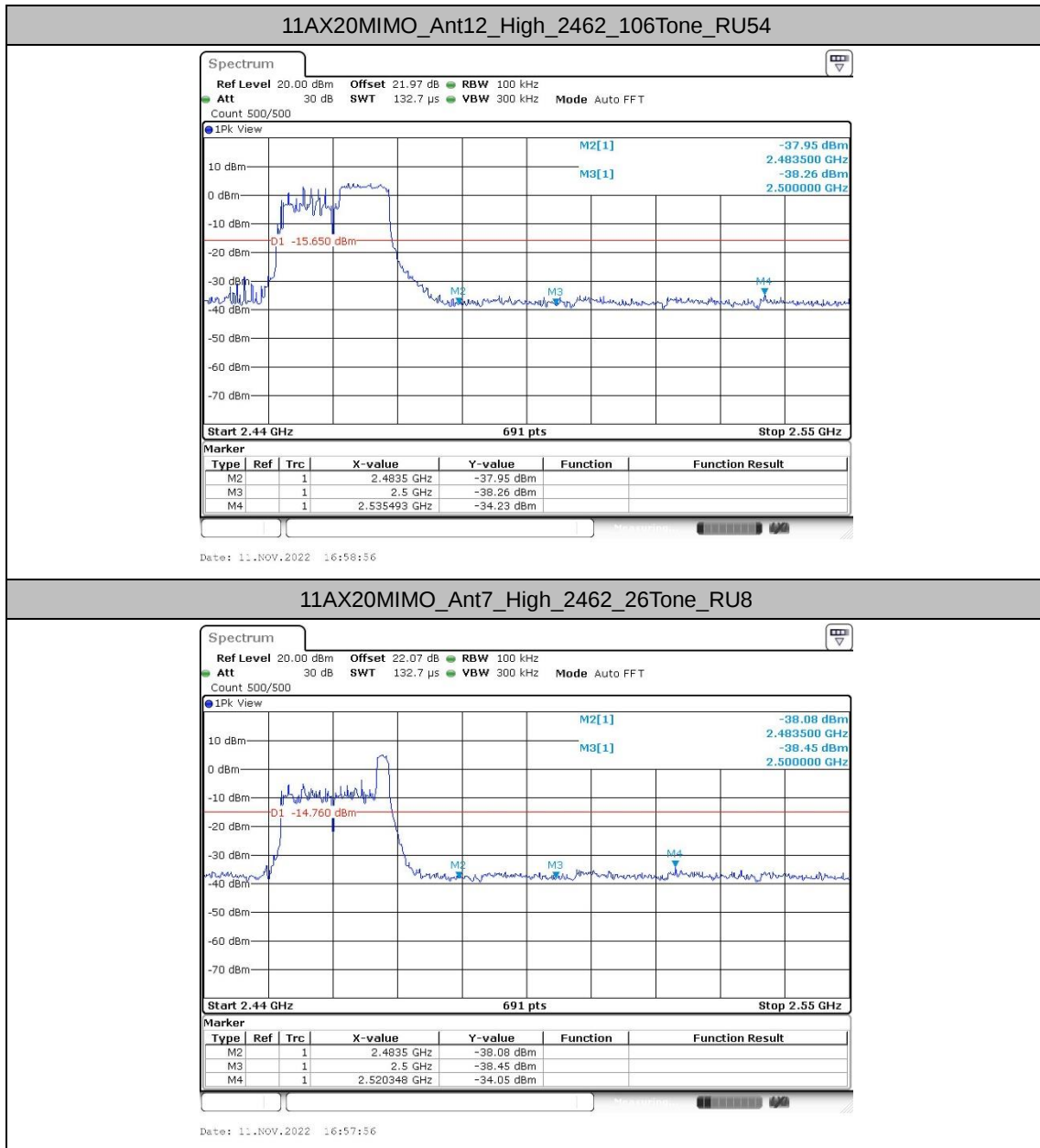


11AX20MIMO_Ant12_High_2462_26Tone_RU8



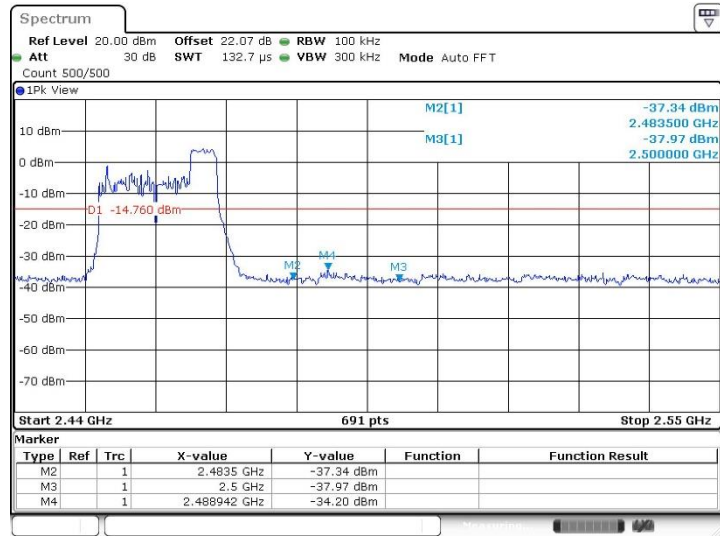
11AX20MIMO_Ant12_High_2462_52Tone_RU40



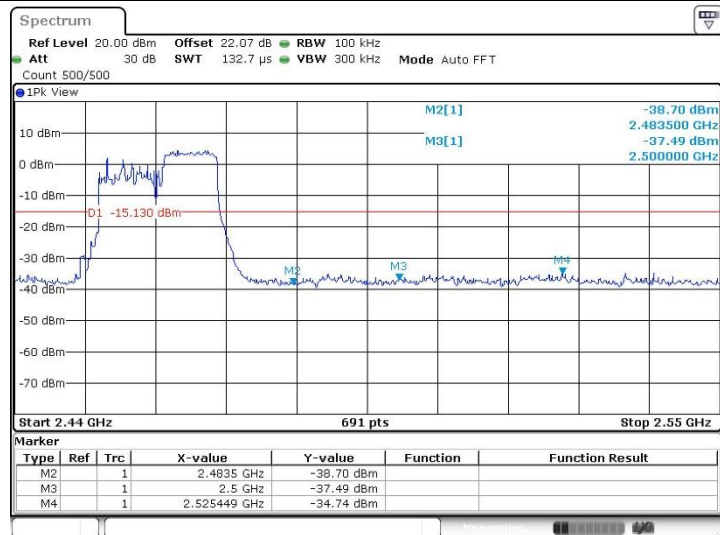




11AX20MIMO_Ant7_High_2462_52Tone_RU40



11AX20MIMO_Ant7_High_2462_106Tone_RU54





For small Partial RU

Conducted output power

Test Result Peak

Test Mode	Antenna	Freq (MHz)	Ru Size	Ru Index	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11BE20MI MO	Ant12	2412	52+26 Tone	RU38+1	8.5	17.46	≤30.00	15.86	≤36.00	PASS
			106+26 Tone	RU53+4	8.5	17.25	≤30.00	15.65	≤36.00	PASS
	Ant7	2412	52+26 Tone	RU38+1	8.5	17.92	≤30.00	14.52	≤36.00	PASS
			106+26 Tone	RU53+4	8.5	17.83	≤30.00	14.43	≤36.00	PASS
	total	2412	52+26 Tone	RU38+1	8.5	20.71	≤30.00	18.25	≤36.00	PASS
			106+26 Tone	RU53+4	8.5	20.56	≤30.00	18.09	≤36.00	PASS
	Ant12	2462	52+26 Tone	RU39+7	8.5	16.75	≤30.00	15.15	≤36.00	PASS
			106+26 Tone	RU54+4	8.5	16.52	≤30.00	14.92	≤36.00	PASS
	Ant7	2462	52+26 Tone	RU39+7	8.5	17.49	≤30.00	14.09	≤36.00	PASS
			106+26 Tone	RU54+4	8.5	17.86	≤30.00	14.46	≤36.00	PASS
	total	2462	52+26 Tone	RU39+7	8.5	20.15	≤30.00	17.66	≤36.00	PASS
			106+26 Tone	RU54+4	8.5	20.25	≤30.00	17.71	≤36.00	PASS

Test Result Average (Report only)

Test Mode	Antenna	Freq (MHz)	Ru Size	Ru Index	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]
11BE20MIMO	Ant12	2412	52+26 Tone	RU38+1	8.5	8.34	99.63	0.02	8.36
			106+26 Tone	RU53+4	8.5	8.3	99.63	0.02	8.32
	Ant7	2412	52+26 Tone	RU38+1	8.5	9.16	99.63	0.02	9.18
			106+26 Tone	RU53+4	8.5	9.08	99.63	0.02	9.1
	total	2412	52+26 Tone	RU38+1	8.5	---	---	---	11.80
			106+26 Tone	RU53+4	8.5	---	---	---	11.74
	Ant12	2462	52+26 Tone	RU39+7	8.5	8.04	99.63	0.02	8.06
			106+26 Tone	RU54+4	8.5	8.52	99.63	0.02	8.54
	Ant7	2462	52+26 Tone	RU39+7	8.5	8.97	99.63	0.02	8.99
			106+26 Tone	RU54+4	8.5	9.22	99.63	0.02	9.24
	total	2462	52+26 Tone	RU39+7	8.5	---	---	---	11.56
			106+26 Tone	RU54+4	8.5	---	---	---	11.91

Note: Duty factor =10 log (1/x), where x is the measured duty cycle



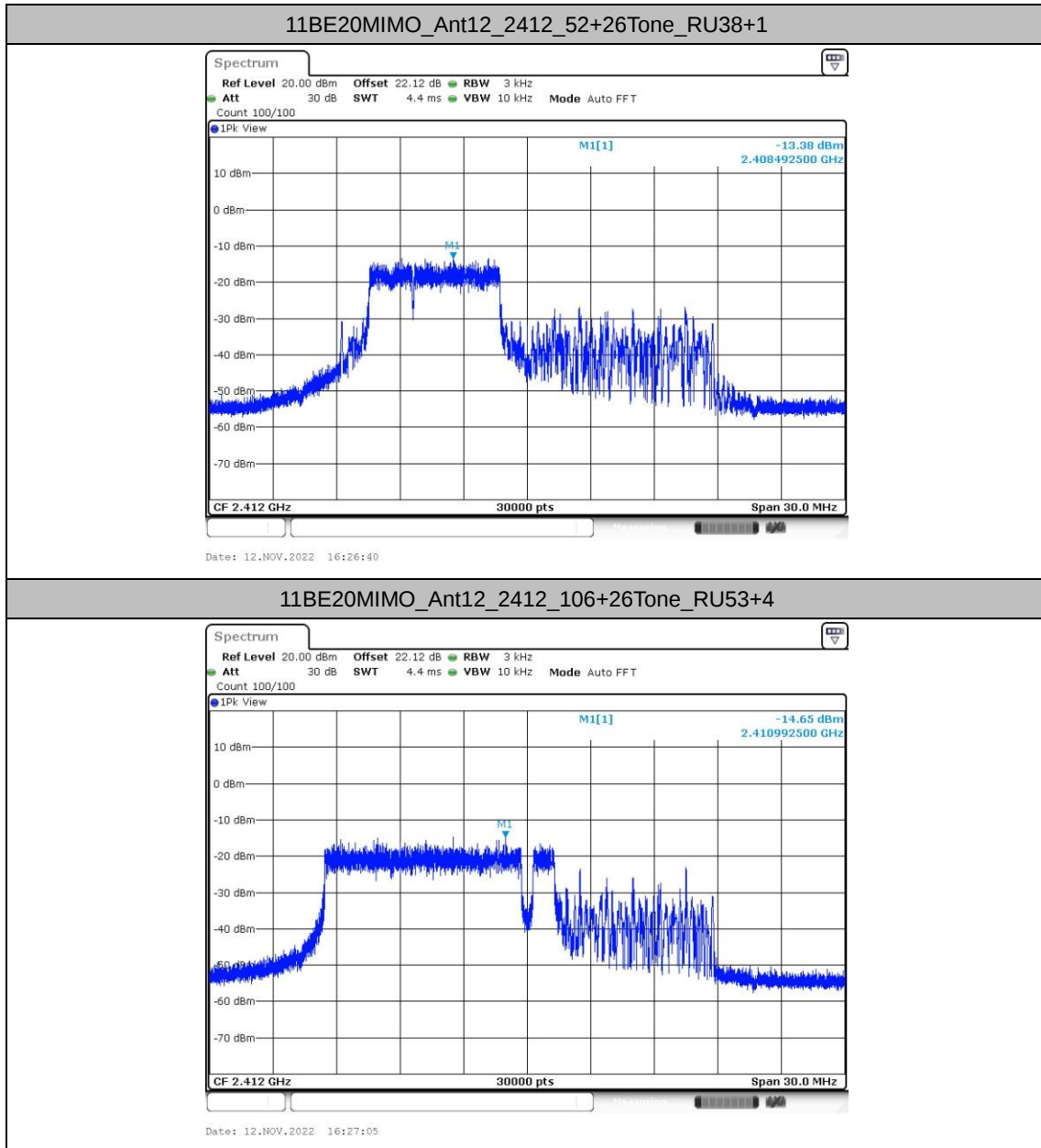
Power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	RuSize	RuIndex	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11BE20MIMO	Ant12	2412	52+26Tone	RU38+1	-13.38	≤8.00	PASS
			106+26Tone	RU53+4	-14.65	≤8.00	PASS
	Ant7	2412	52+26Tone	RU38+1	-13.08	≤8.00	PASS
			106+26Tone	RU53+4	-14.53	≤8.00	PASS
	total	2412	52+26Tone	RU38+1	-10.22	≤8.00	PASS
			106+26Tone	RU53+4	-11.58	≤8.00	PASS
	Ant12	2462	52+26Tone	RU39+7	-13.17	≤8.00	PASS
			106+26Tone	RU54+4	-12.86	≤8.00	PASS
	Ant7	2462	52+26Tone	RU39+7	-12.69	≤8.00	PASS
			106+26Tone	RU54+4	-12.68	≤8.00	PASS
	total	2462	52+26Tone	RU39+7	-9.91	≤8.00	PASS
			106+26Tone	RU54+4	-9.76	≤8.00	PASS

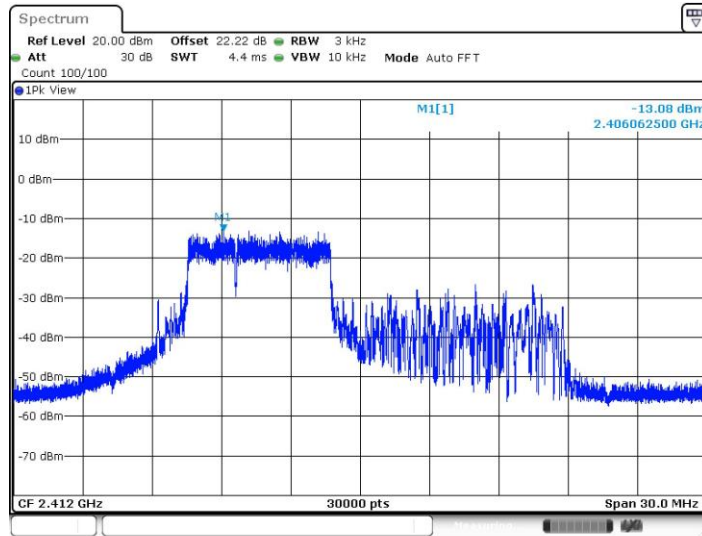


Test Graphs



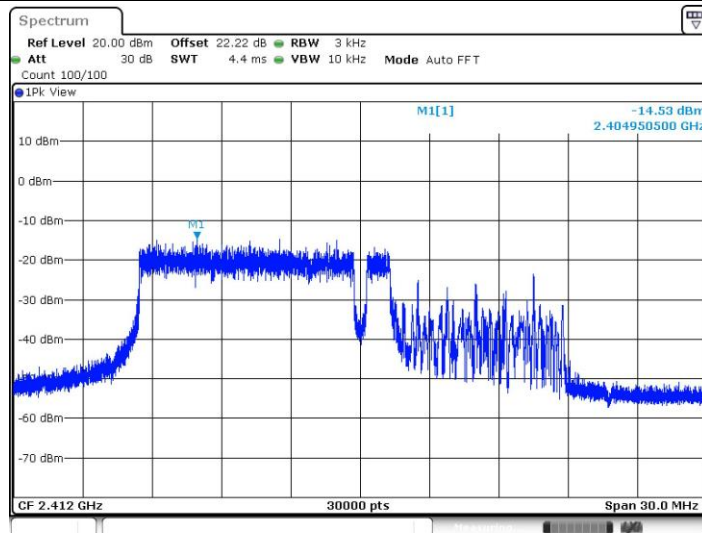


11BE20MIMO_Ant7_2412_52+26Tone_RU38+1



Date: 12.NOV.2022 16:26:47

11BE20MIMO_Ant7_2412_106+26Tone_RU53+4



Date: 12.NOV.2022 16:27:14