



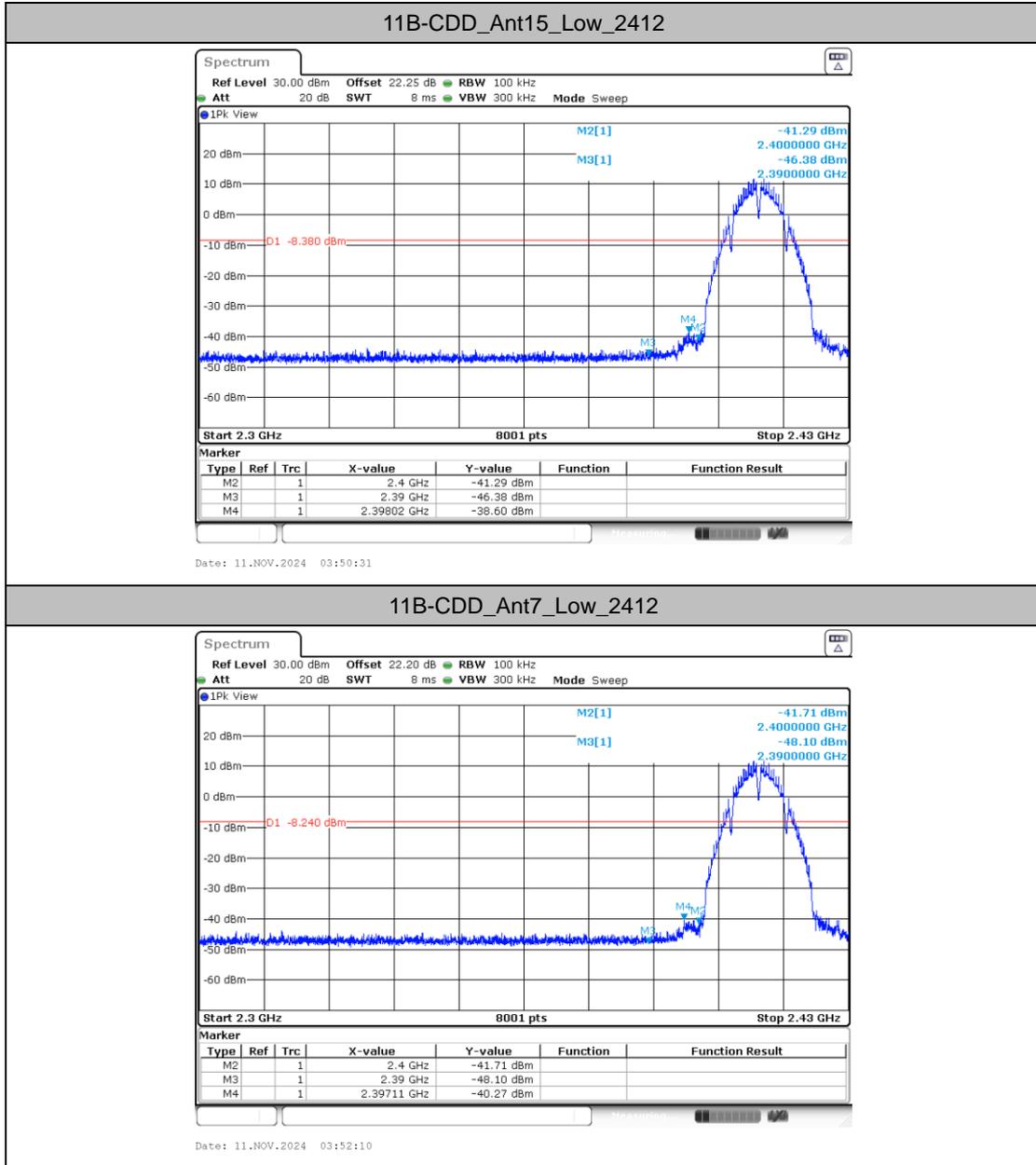
Band edge measurements

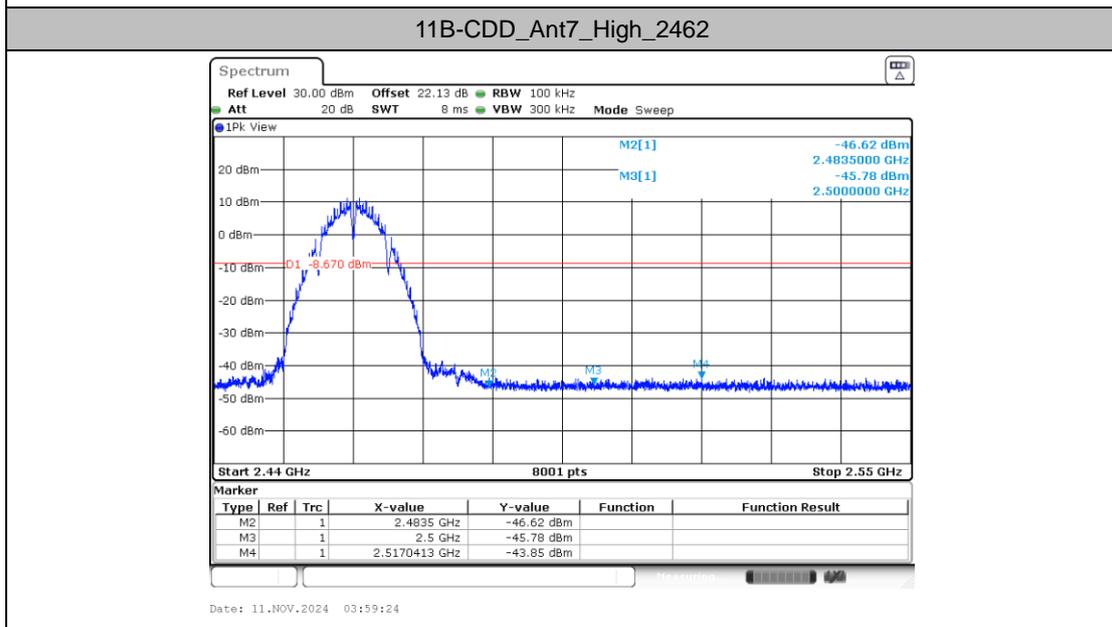
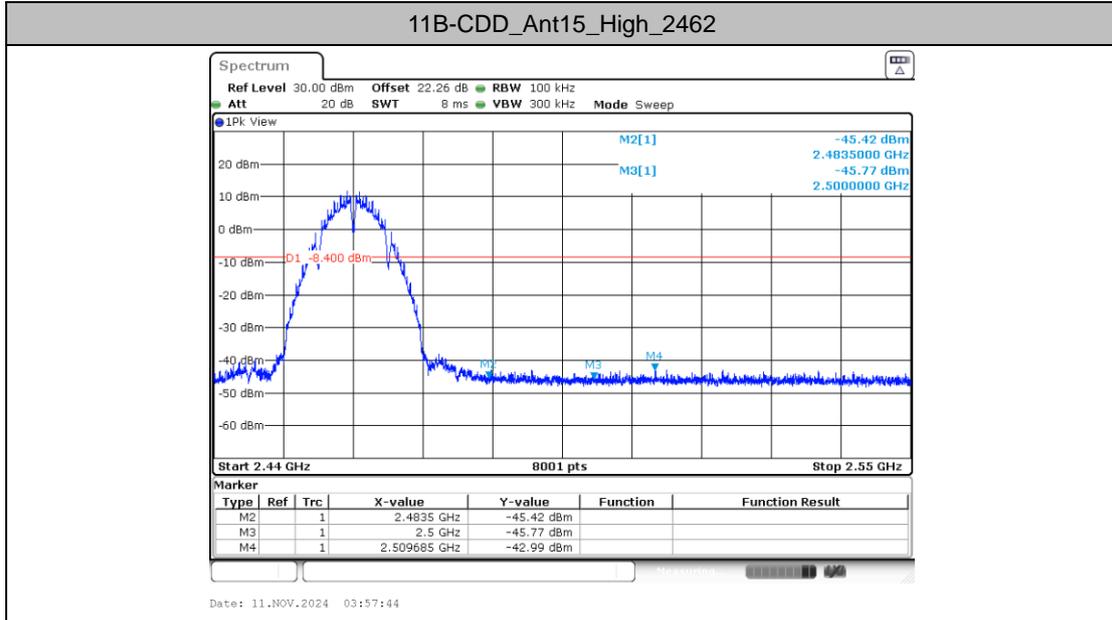
Test Result

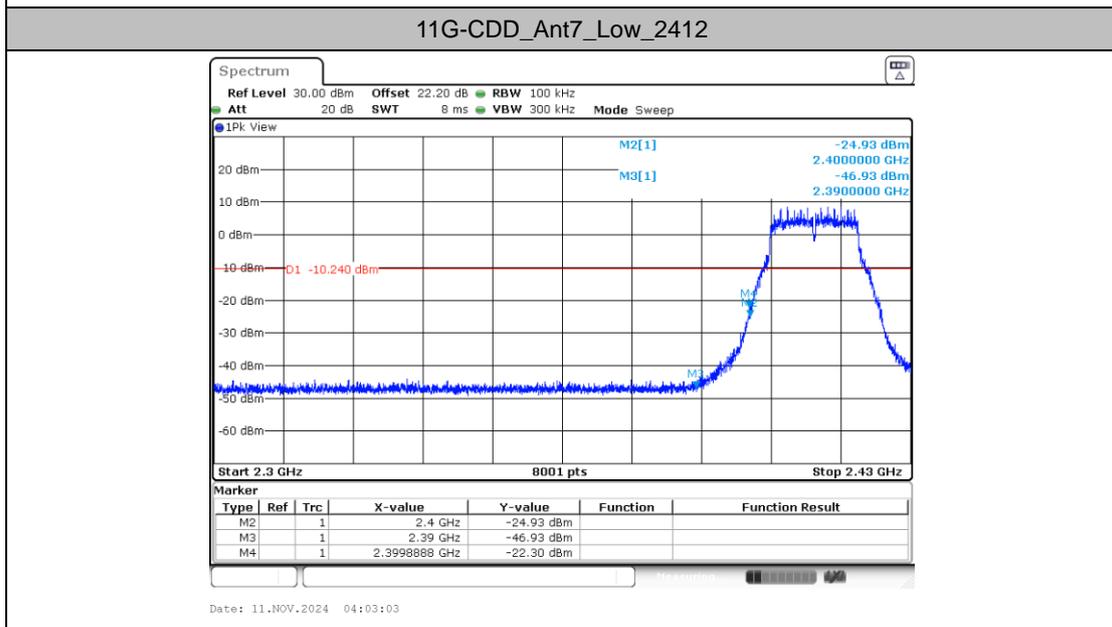
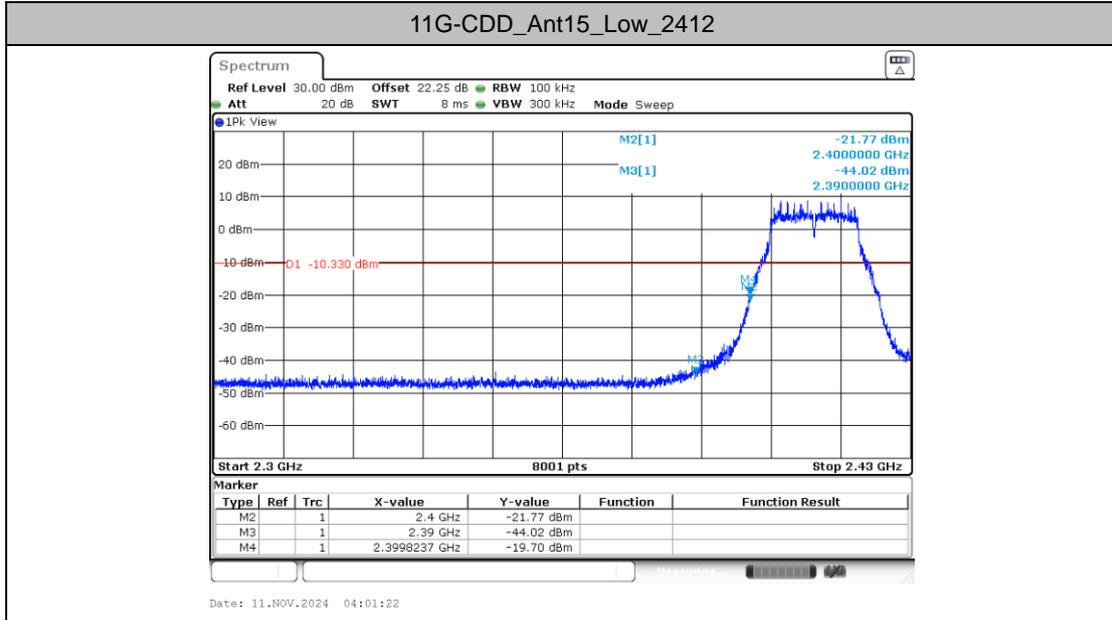
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm/100KHz]	Result[dBm/100KHz]	Limit[dBm/100KHz]	Verdict
11B-CDD	Ant15	Low	2412	11.62	-38.60	≤-8.38	PASS
	Ant7	Low	2412	11.76	-40.27	≤-8.24	PASS
	Ant15	High	2462	11.60	-42.99	≤-8.40	PASS
	Ant7	High	2462	11.33	-43.85	≤-8.67	PASS
11G-CDD	Ant15	Low	2412	9.67	-19.70	≤-10.33	PASS
	Ant7	Low	2412	9.76	-22.30	≤-10.24	PASS
	Ant15	High	2462	8.90	-42.14	≤-11.10	PASS
	Ant7	High	2462	9.42	-40.87	≤-10.58	PASS
11BE20MIMO	Ant15	Low	2412	7.37	-24.71	≤-12.63	PASS
	Ant7	Low	2412	7.39	-24.90	≤-12.61	PASS
	Ant15	High	2462	8.09	-41.45	≤-11.91	PASS
	Ant7	High	2462	8.25	-40.68	≤-11.75	PASS
11BE40MIMO	Ant15	Low	2422	3.21	-25.97	≤-16.79	PASS
	Ant7	Low	2422	3.82	-27.56	≤-16.18	PASS
	Ant15	High	2452	3.56	-37.12	≤-16.44	PASS
	Ant7	High	2452	4.37	-42.08	≤-15.63	PASS

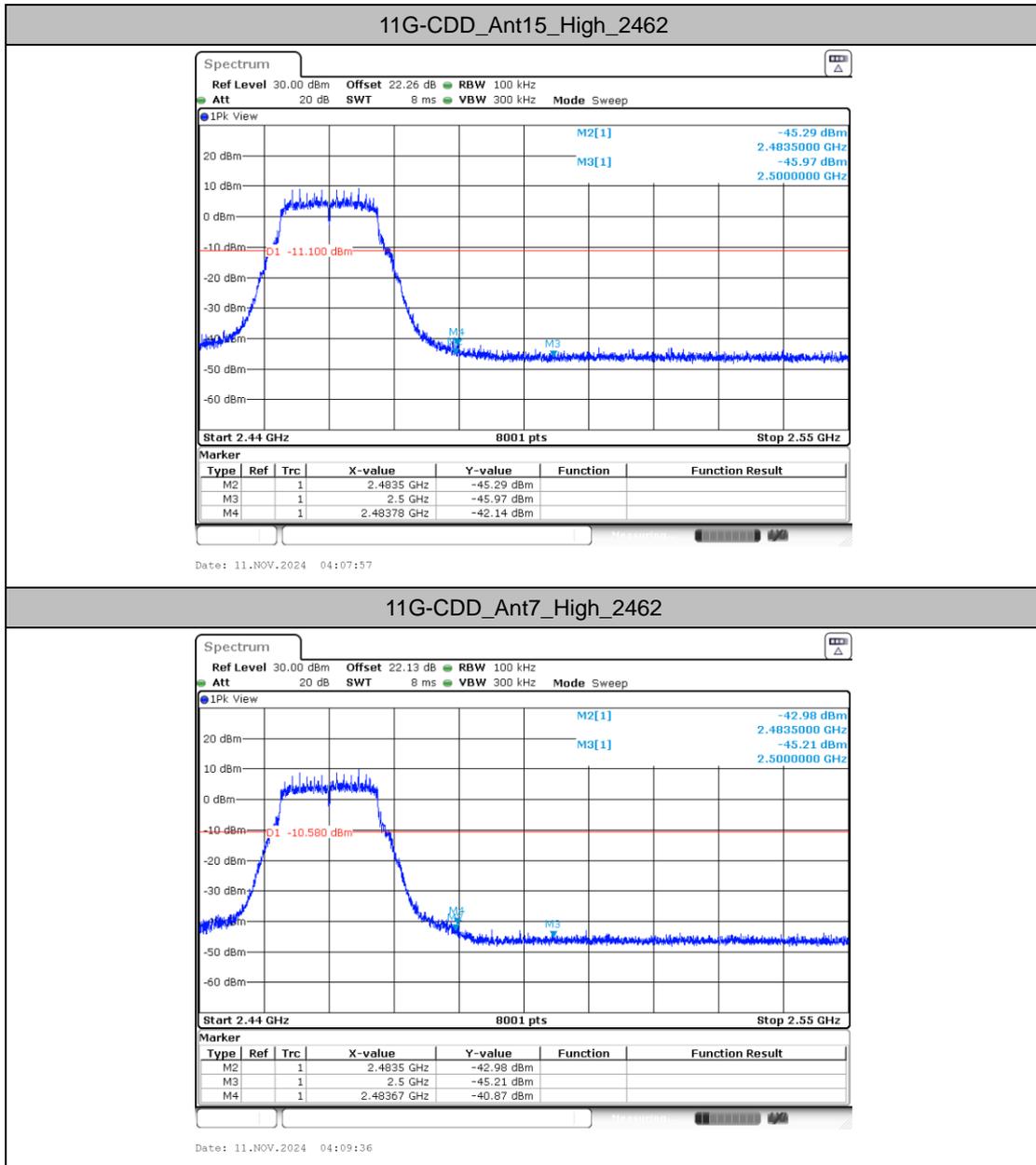


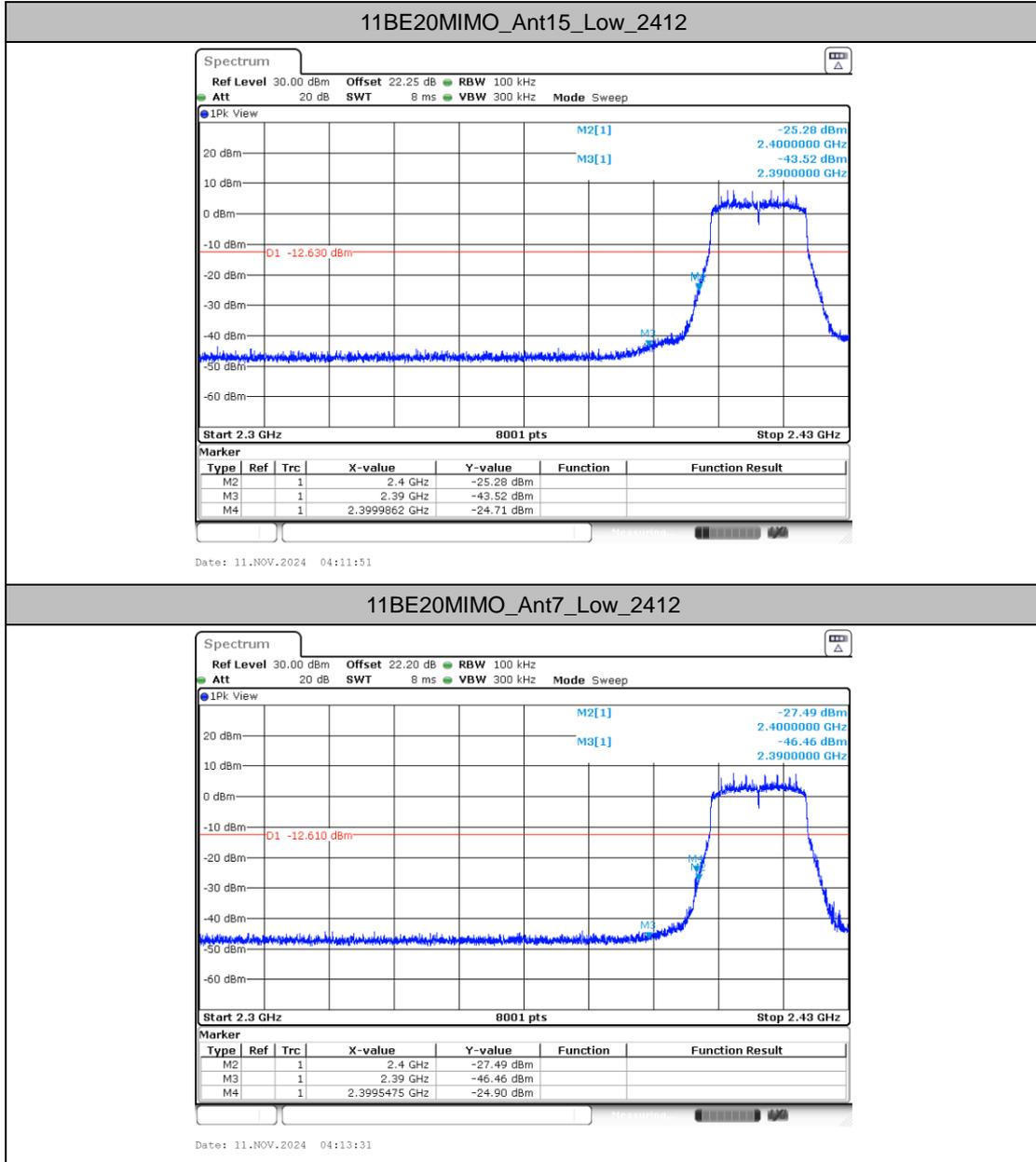
Test Graphs

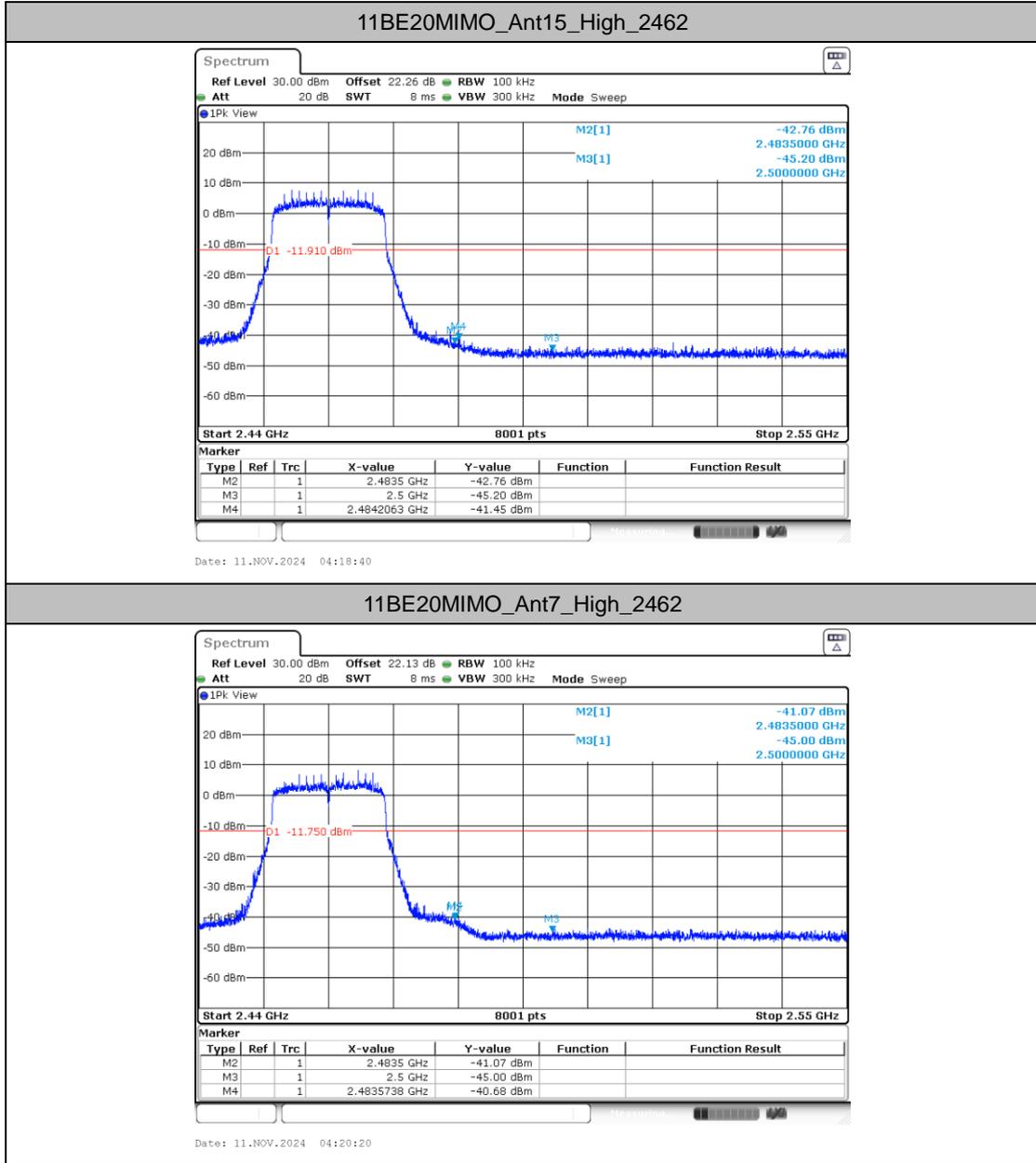


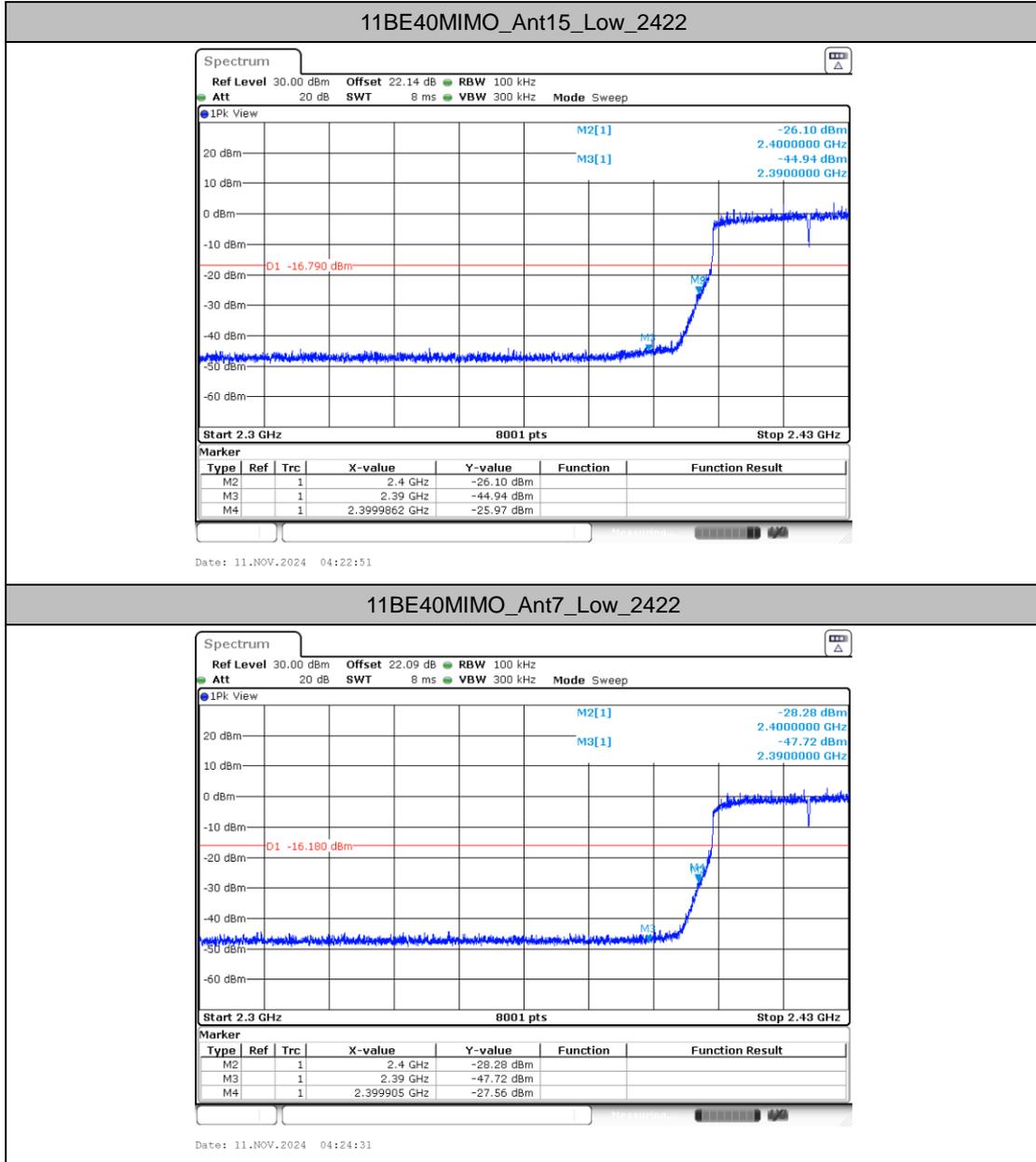


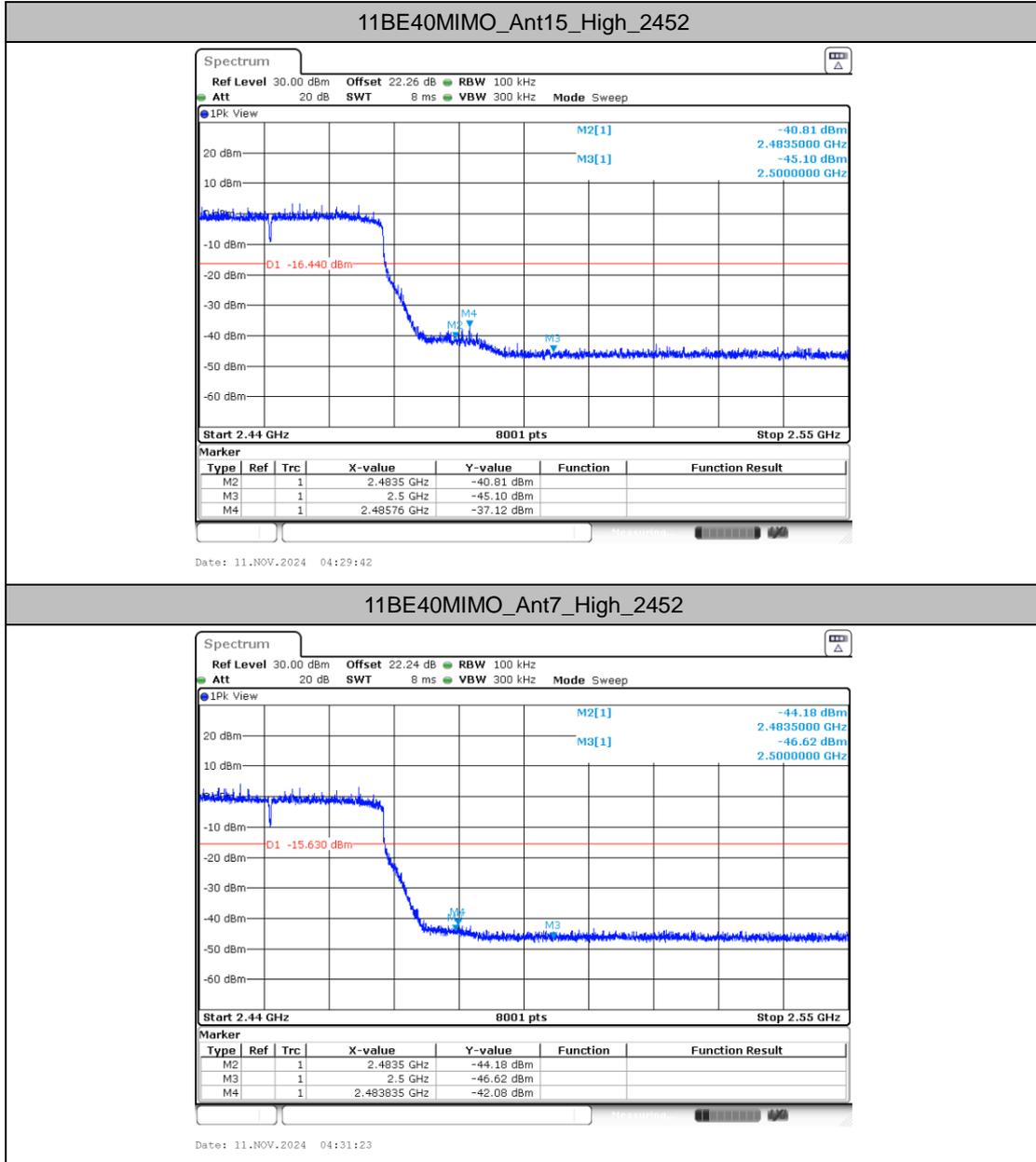














Conducted Spurious Emission

Test Result

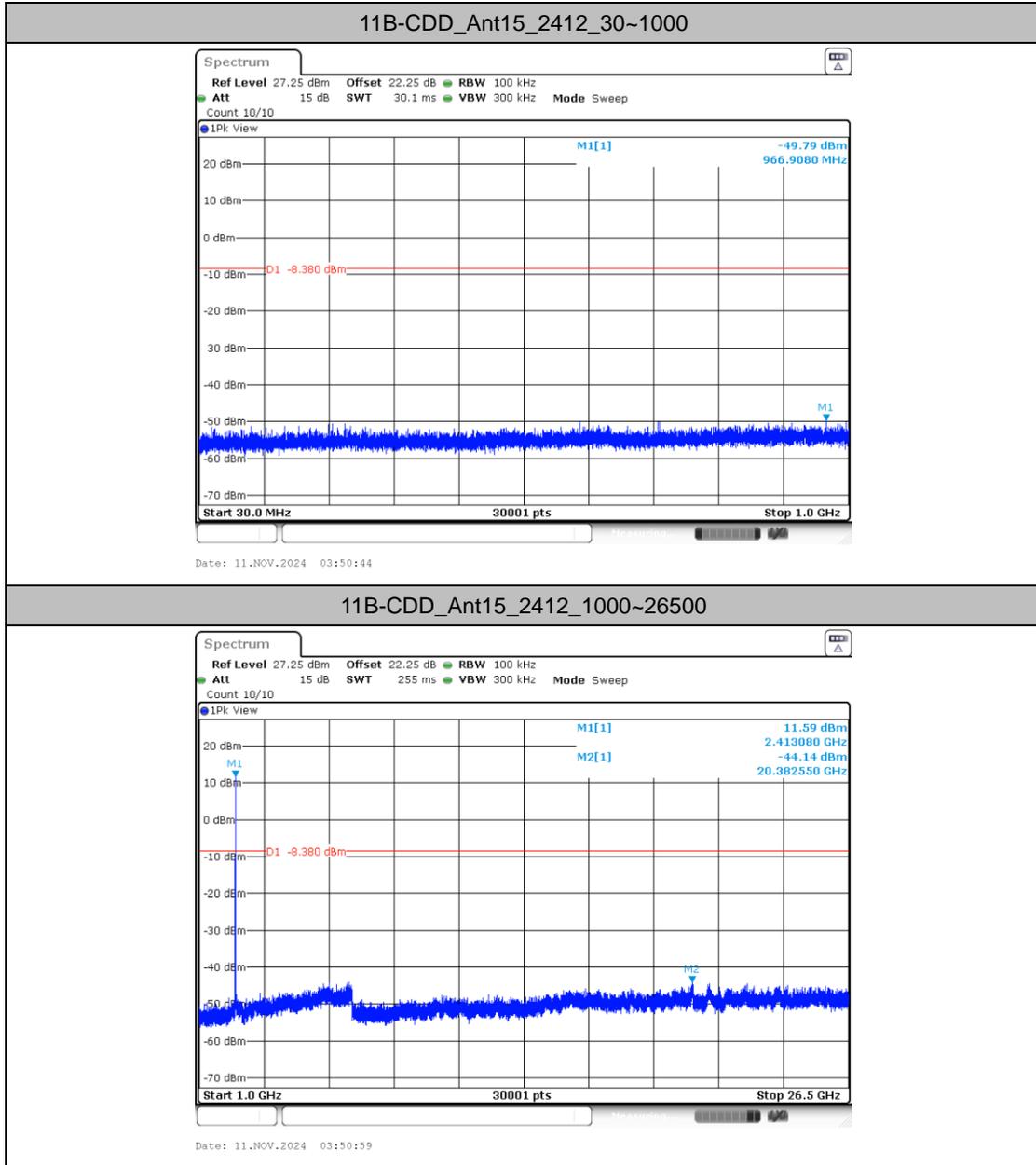
TestMode	Antenna	Freq(MHz)	FreqRange [Mhz]	RefLevel [dBm/100KHz]	Result [dBm/100KHz]	Limit [dBm/100KHz]	Verdict	
11B-CDD	Ant15	2412	30~1000	11.62	-49.79	≤-8.38	PASS	
			1000~26500	11.62	-44.14	≤-8.38	PASS	
	Ant7	2412	30~1000	11.76	-49.81	≤-8.24	PASS	
			1000~26500	11.76	-44.23	≤-8.24	PASS	
	Ant15	2437	30~1000	11.54	-50.18	≤-8.46	PASS	
			1000~26500	11.54	-44.35	≤-8.46	PASS	
	Ant7	2437	30~1000	11.46	-49.45	≤-8.54	PASS	
			1000~26500	11.46	-43.99	≤-8.54	PASS	
	Ant15	2462	30~1000	11.60	-49.88	≤-8.4	PASS	
			1000~26500	11.60	-43.06	≤-8.4	PASS	
	Ant7	2462	30~1000	11.33	-49.76	≤-8.67	PASS	
			1000~26500	11.33	-43.9	≤-8.67	PASS	
	11G-CDD	Ant15	2412	30~1000	9.67	-49.99	≤-10.33	PASS
				1000~26500	9.67	-43.47	≤-10.33	PASS
Ant7		2412	30~1000	9.76	-48.76	≤-10.24	PASS	
			1000~26500	9.76	-44.08	≤-10.24	PASS	
Ant15		2437	30~1000	9.69	-49.92	≤-10.31	PASS	
			1000~26500	9.69	-43.7	≤-10.31	PASS	
Ant7		2437	30~1000	9.76	-49.88	≤-10.24	PASS	
			1000~26500	9.76	-44.75	≤-10.24	PASS	
Ant15		2462	30~1000	8.90	-50.11	≤-11.1	PASS	
			1000~26500	8.90	-44.1	≤-11.1	PASS	
Ant7		2462	30~1000	9.42	-49.92	≤-10.58	PASS	
			1000~26500	9.42	-42.87	≤-10.58	PASS	
11BE20MIMO	Ant15	2412	30~1000	7.37	-50.18	≤-12.63	PASS	
			1000~26500	7.37	-43.52	≤-12.63	PASS	
	Ant7	2412	30~1000	7.39	-49.36	≤-12.61	PASS	
			1000~26500	7.39	-43.75	≤-12.61	PASS	
	Ant15	2437	30~1000	7.16	-50.38	≤-12.84	PASS	
			1000~26500	7.16	-43.96	≤-12.84	PASS	
	Ant7	2437	30~1000	7.25	-50.15	≤-12.75	PASS	
			1000~26500	7.25	-44.13	≤-12.75	PASS	

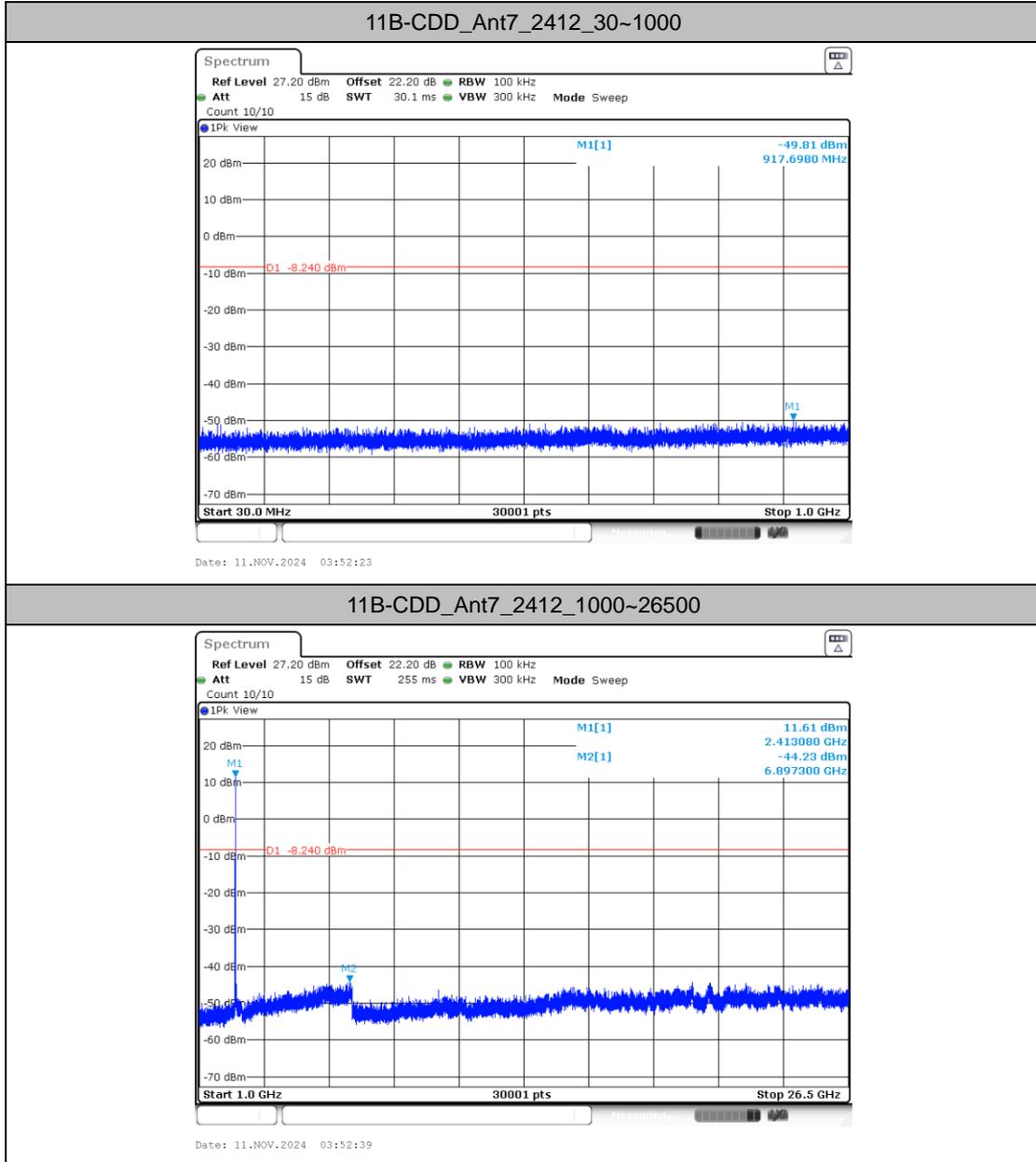


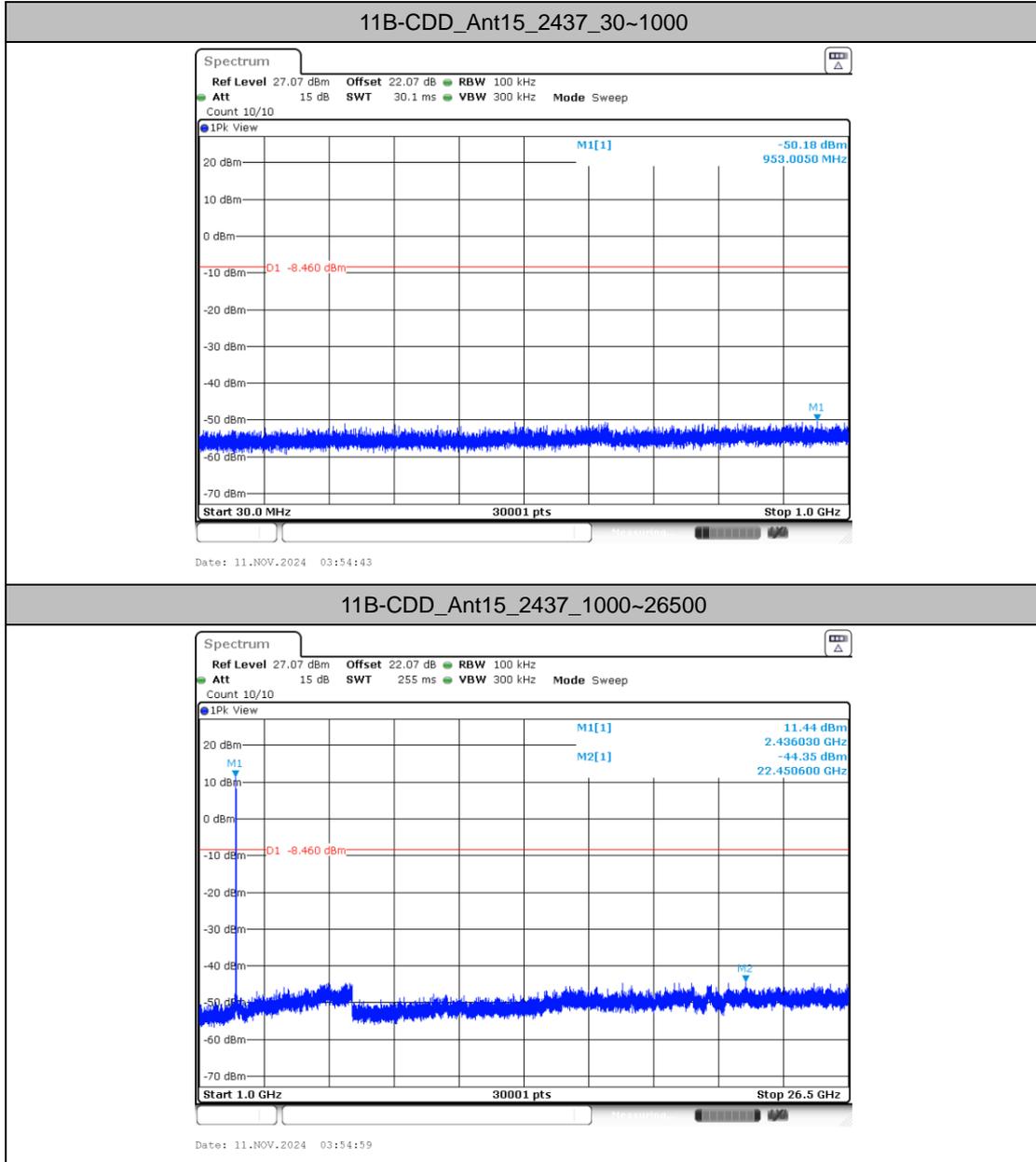
	Ant15	2462	30~1000	8.09	-49.76	≤-11.91	PASS
			1000~26500	8.09	-43.67	≤-11.91	PASS
	Ant7	2462	30~1000	8.25	-49.99	≤-11.75	PASS
			1000~26500	8.25	-44.04	≤-11.75	PASS
11BE40MIMO	Ant15	2422	30~1000	3.21	-49.89	≤-16.79	PASS
			1000~26500	3.21	-43.94	≤-16.79	PASS
	Ant7	2422	30~1000	3.82	-49.78	≤-16.18	PASS
			1000~26500	3.82	-44.05	≤-16.18	PASS
	Ant15	2437	30~1000	4.14	-50.1	≤-15.86	PASS
			1000~26500	4.14	-44.18	≤-15.86	PASS
	Ant7	2437	30~1000	3.85	-49.88	≤-16.15	PASS
			1000~26500	3.85	-44.07	≤-16.15	PASS
	Ant15	2452	30~1000	3.56	-49.56	≤-16.44	PASS
			1000~26500	3.56	-43.76	≤-16.44	PASS
	Ant7	2452	30~1000	4.37	-49.6	≤-15.63	PASS
			1000~26500	4.37	-43.94	≤-15.63	PASS

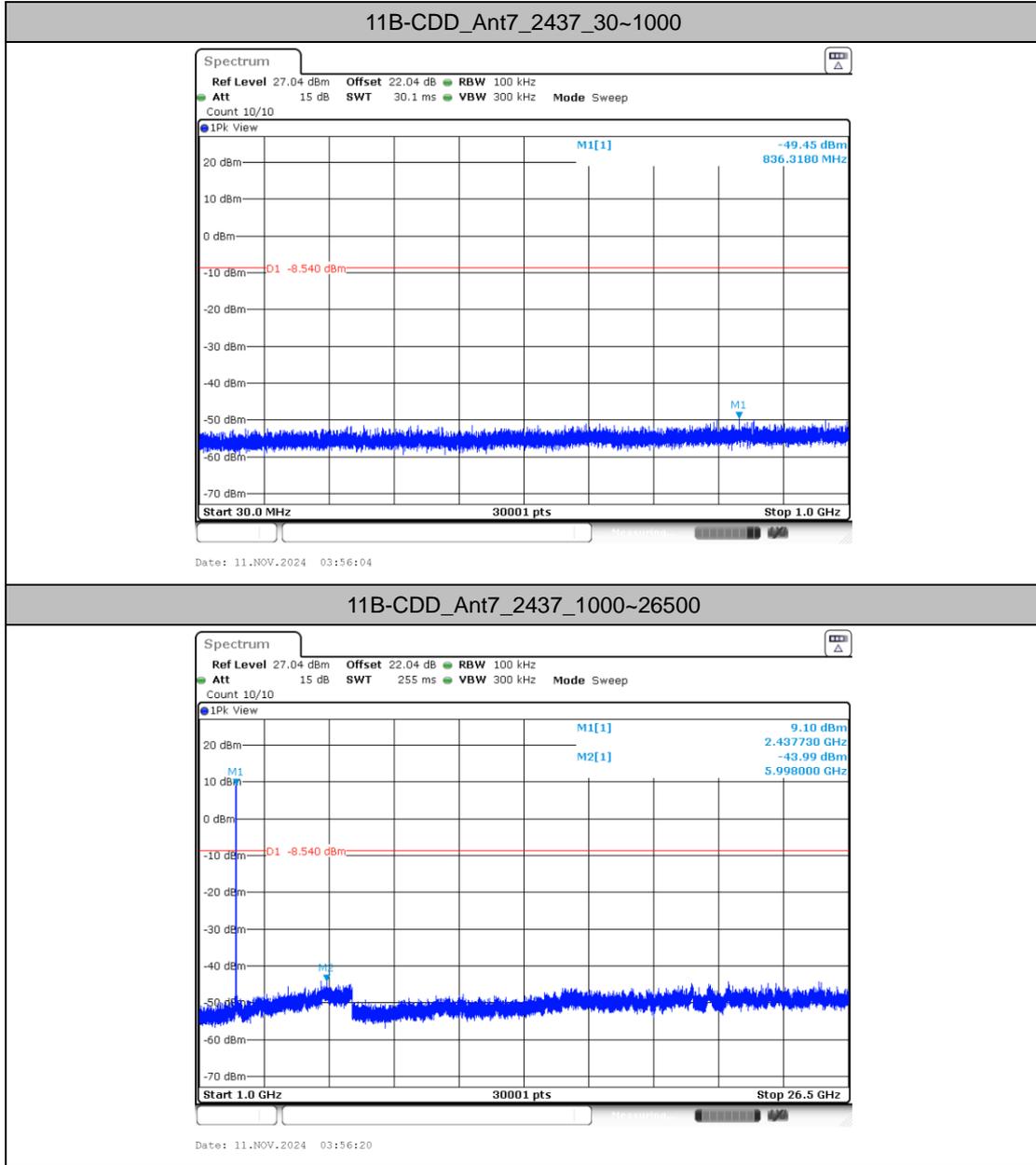


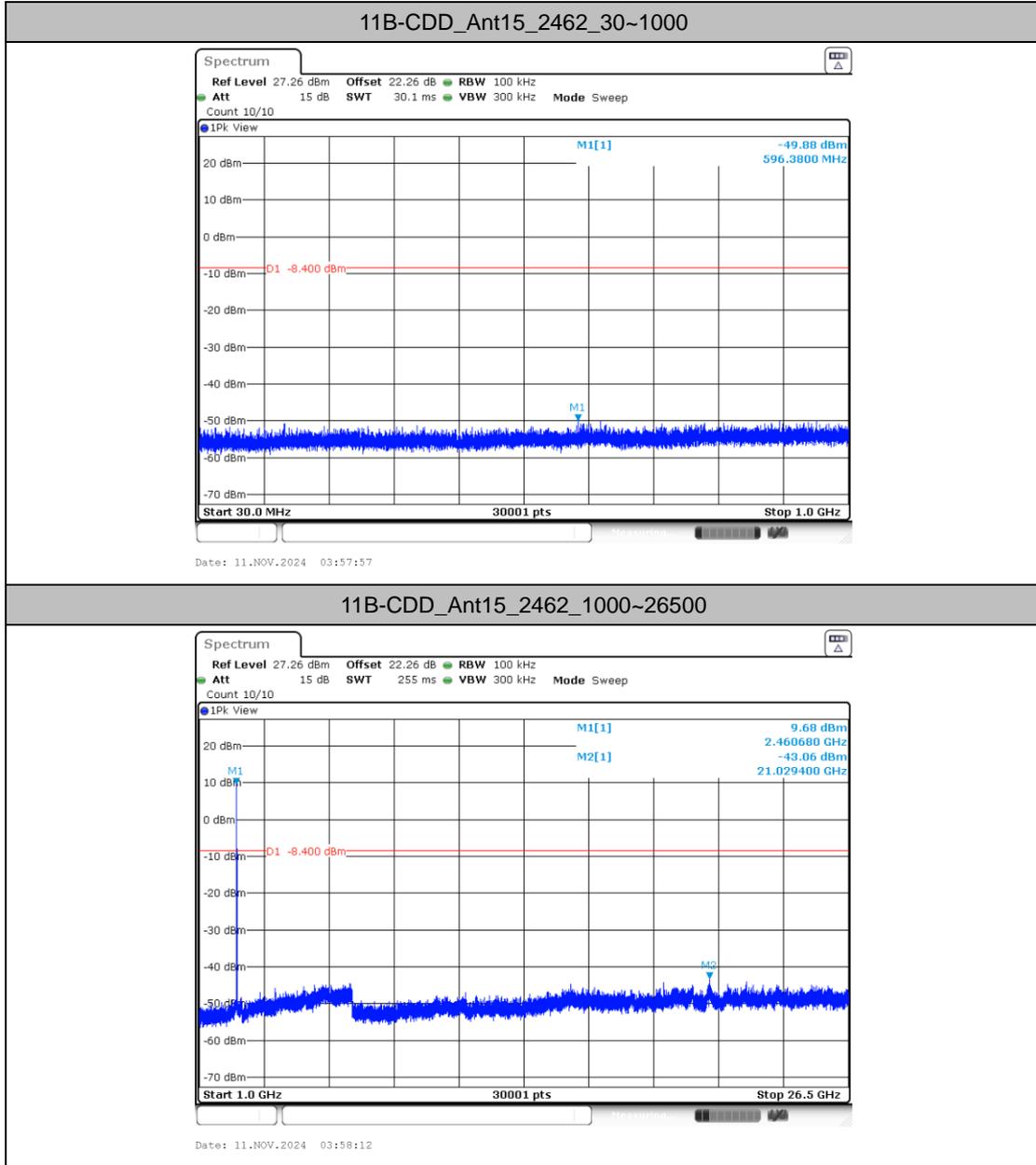
Test Graphs

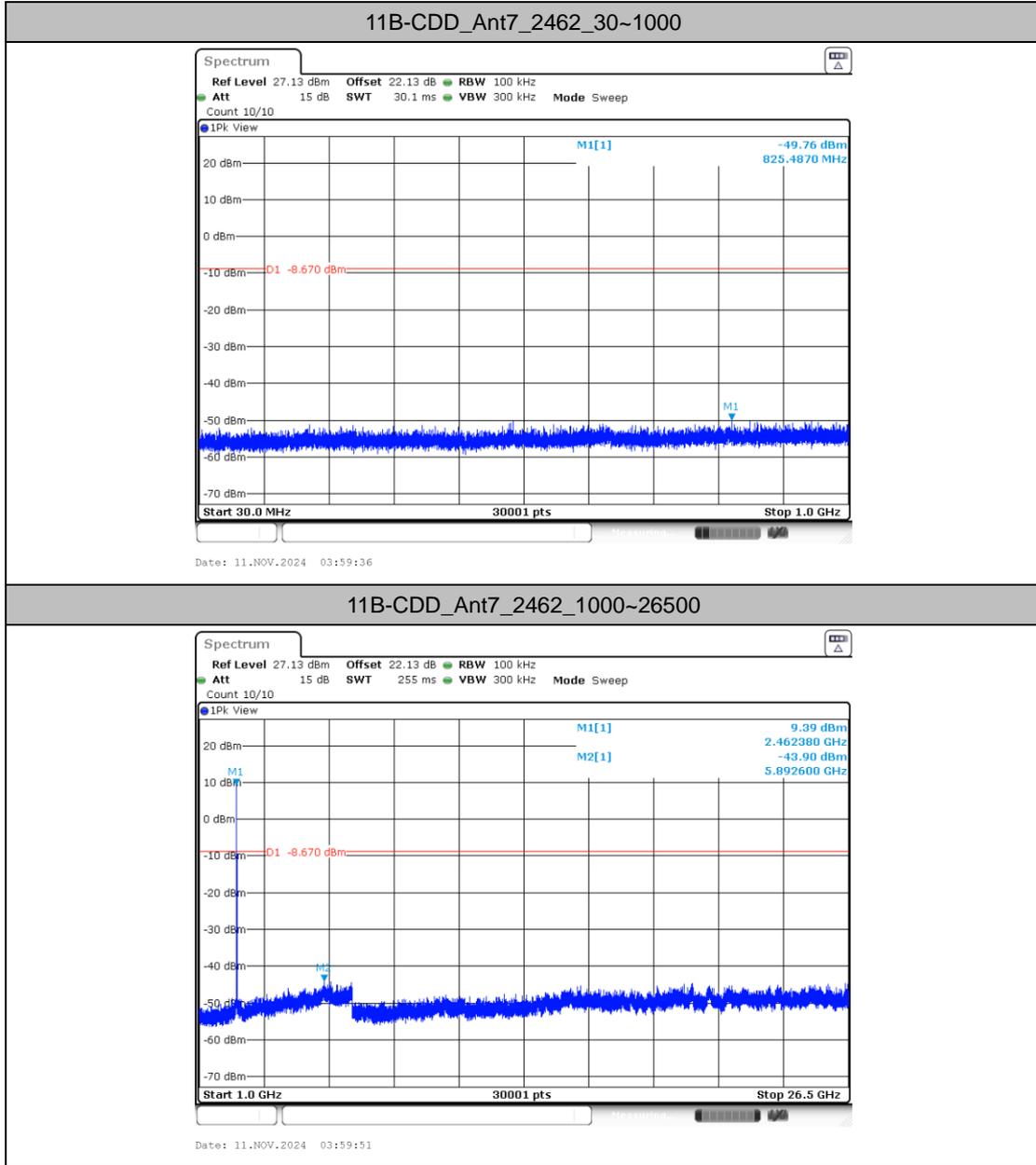


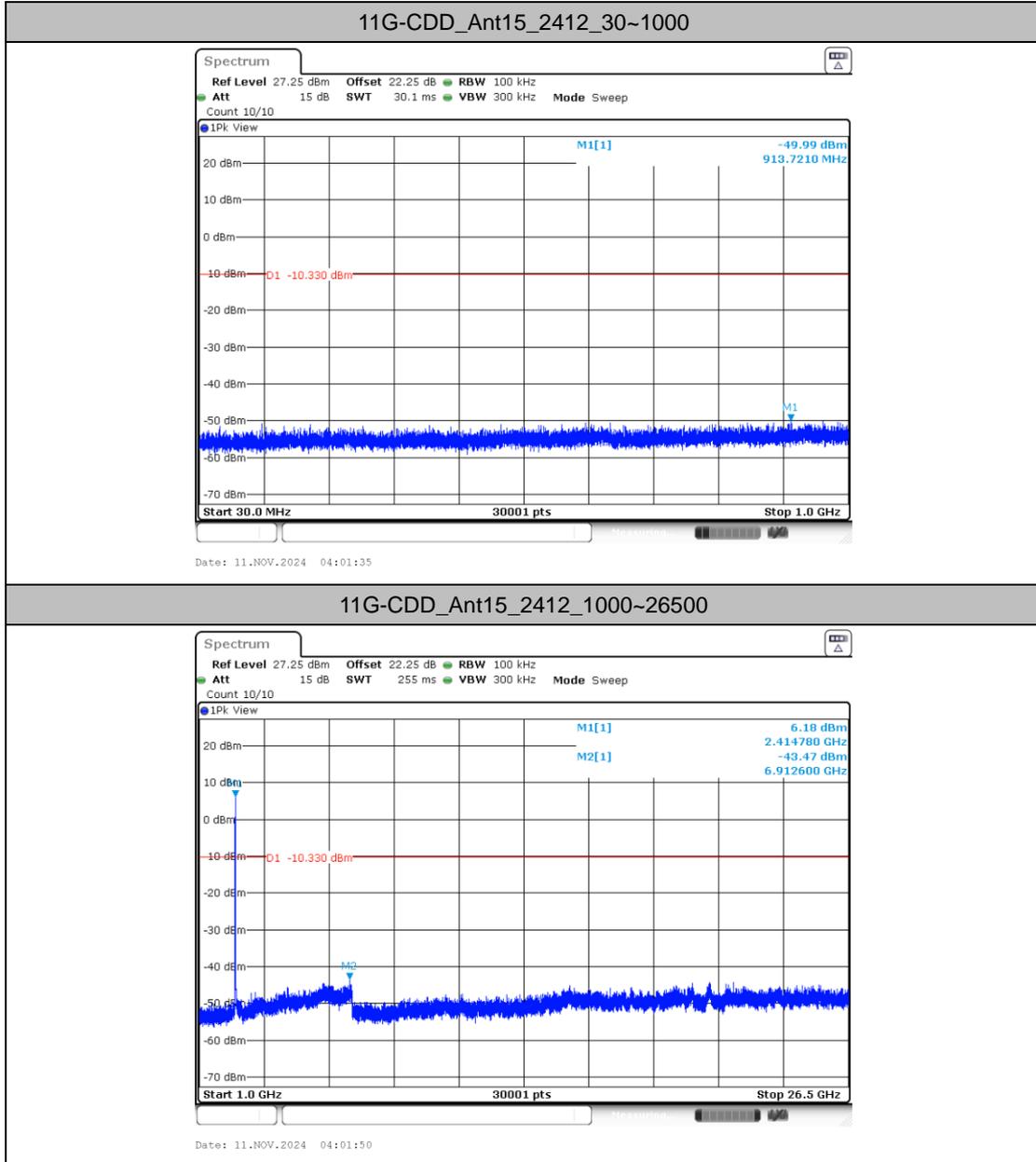


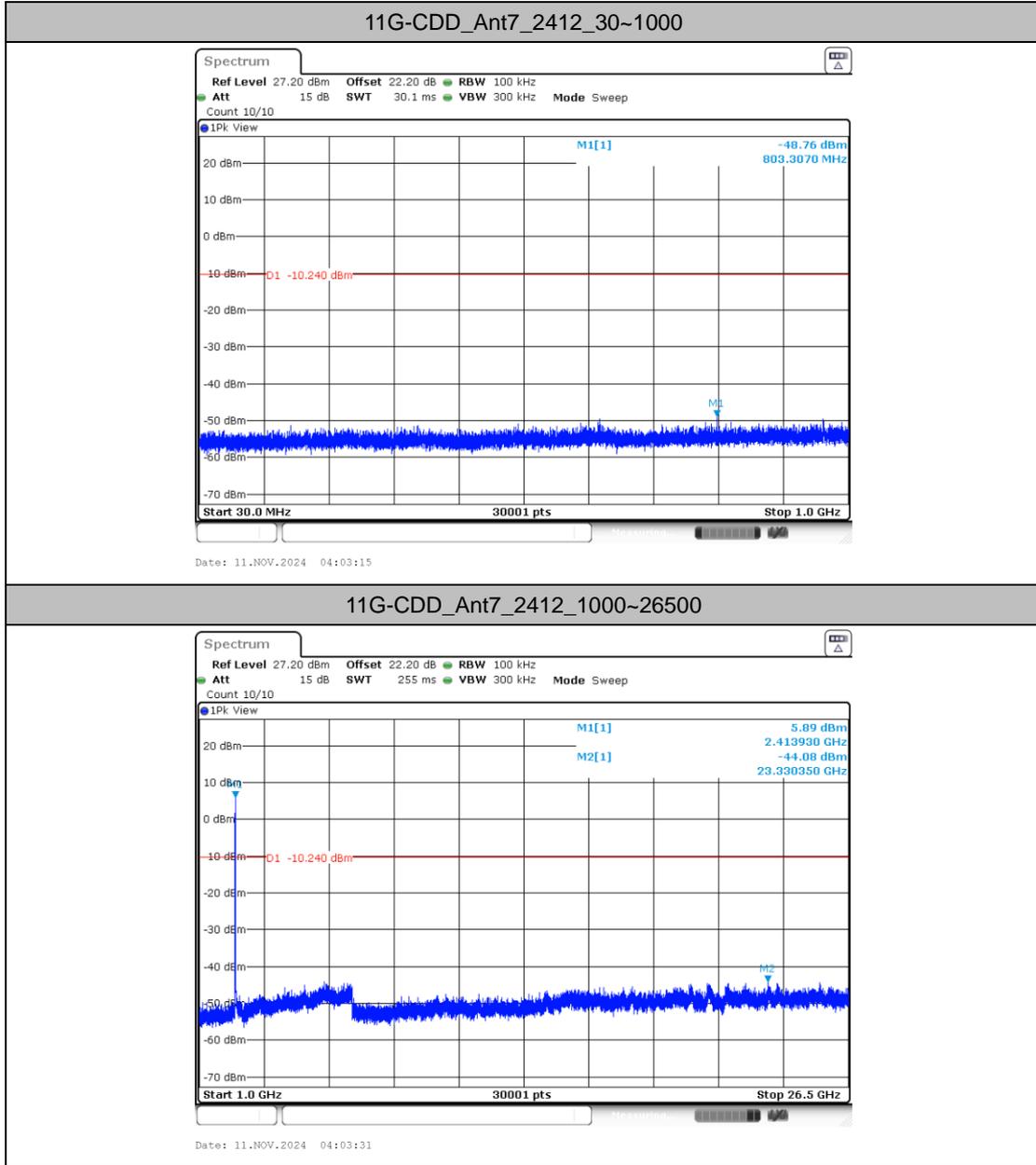


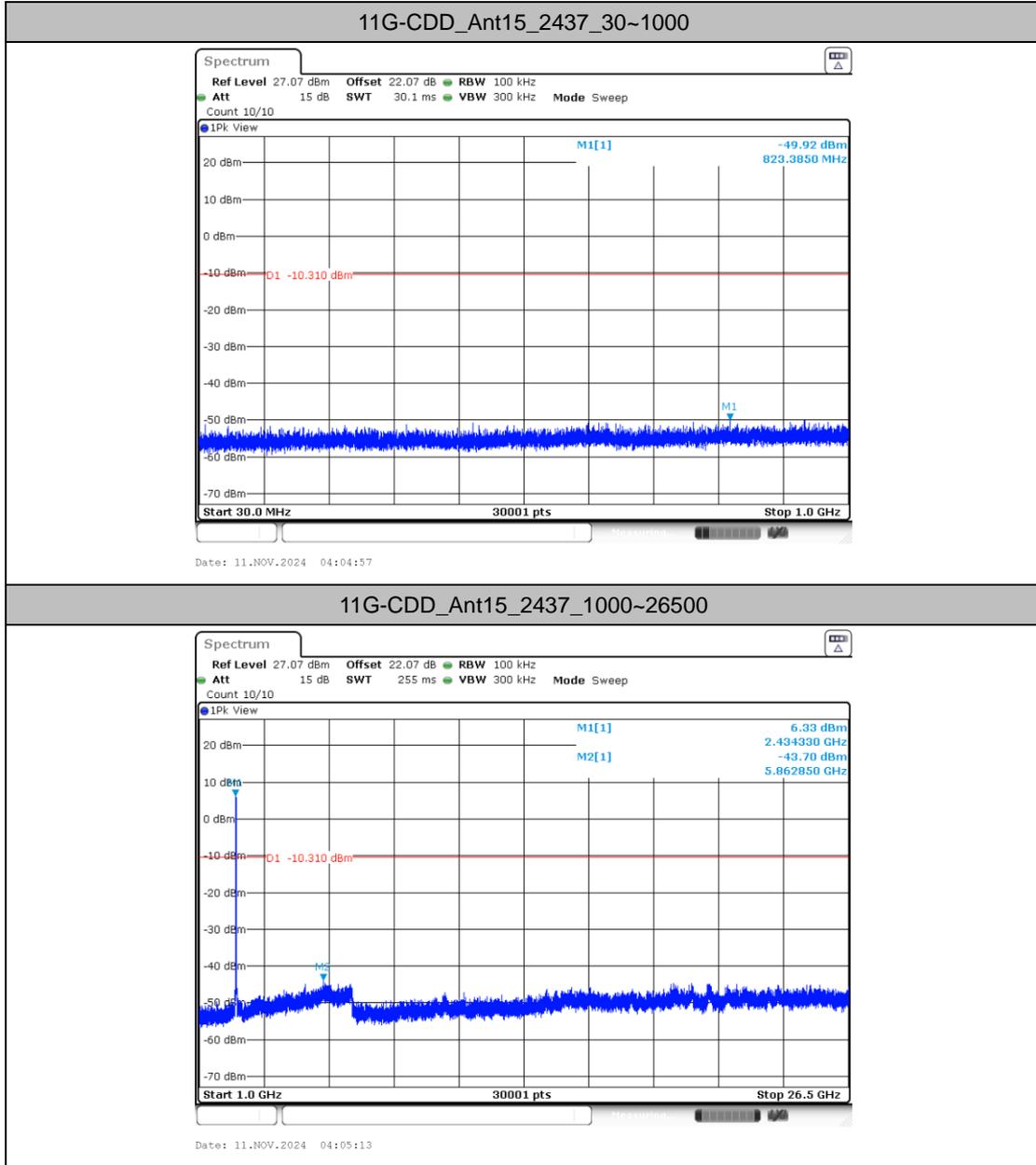


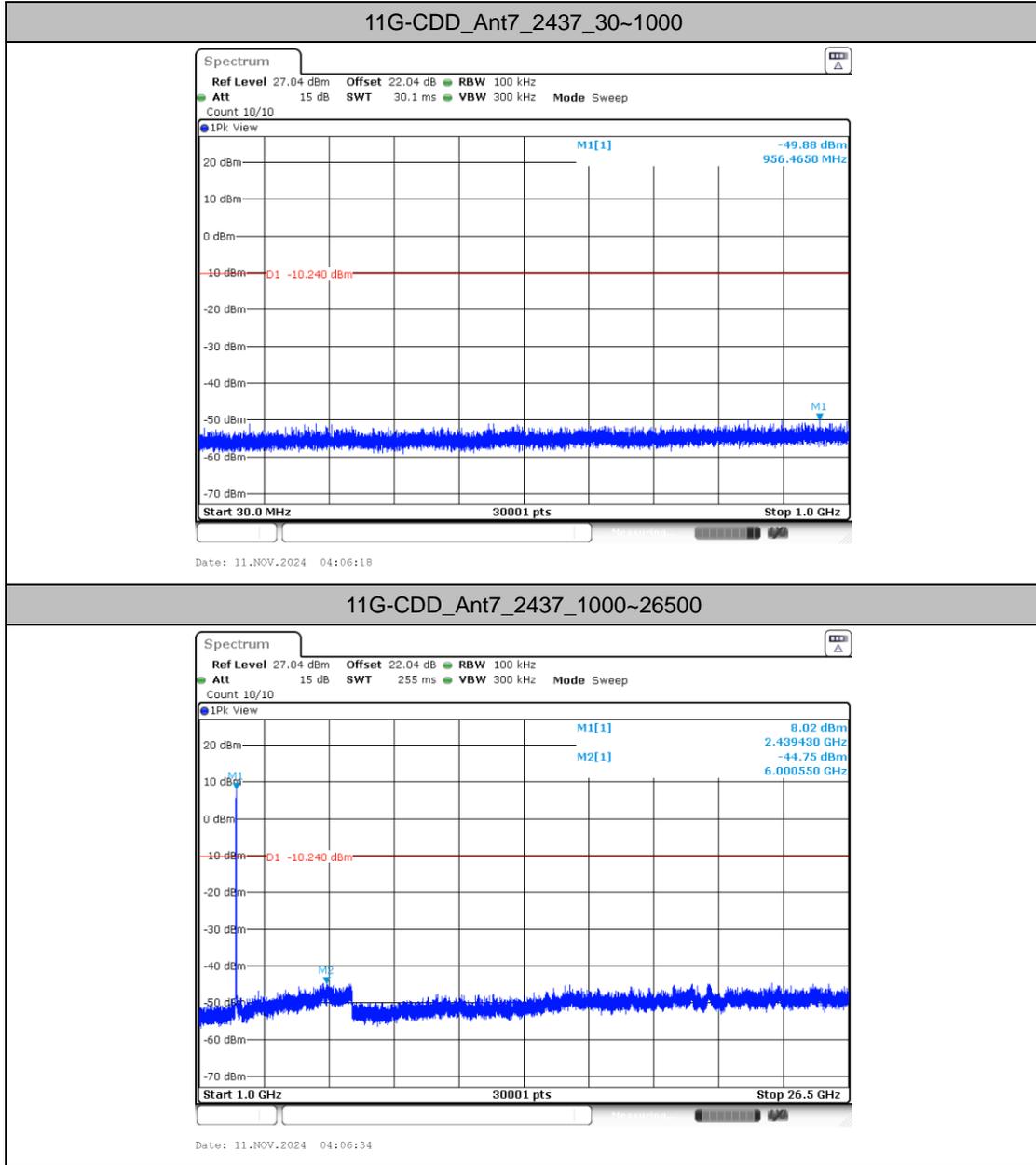


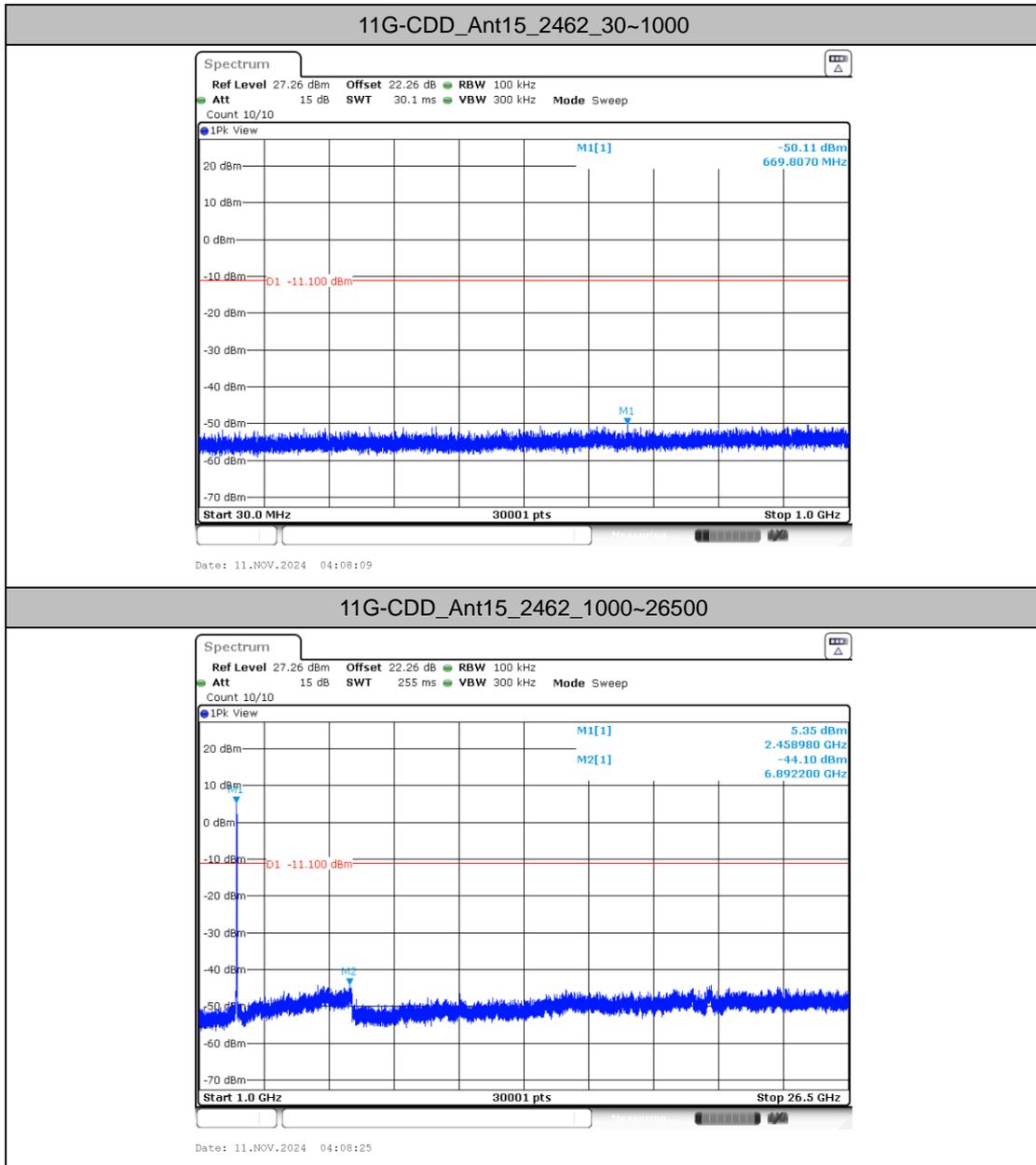


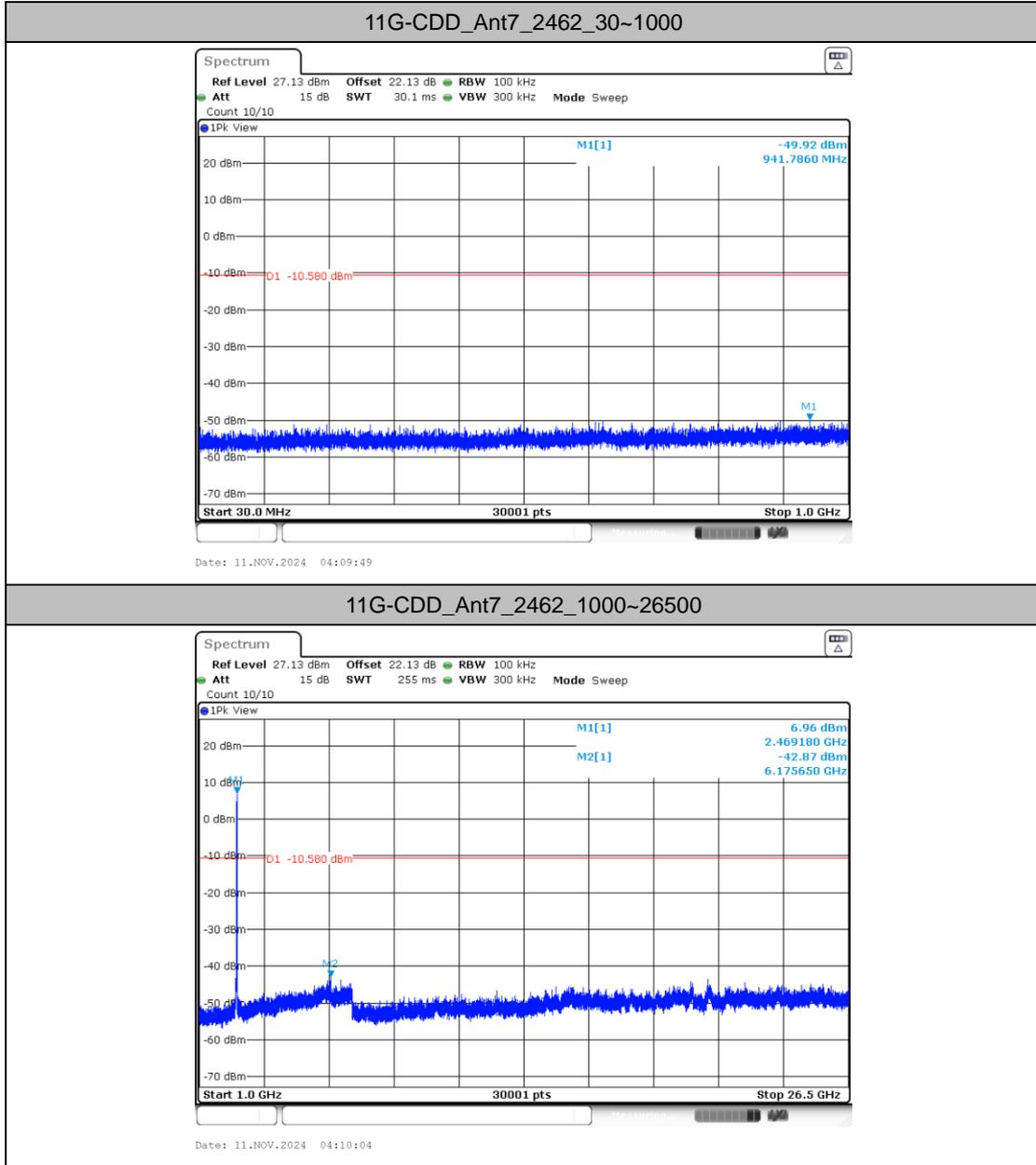


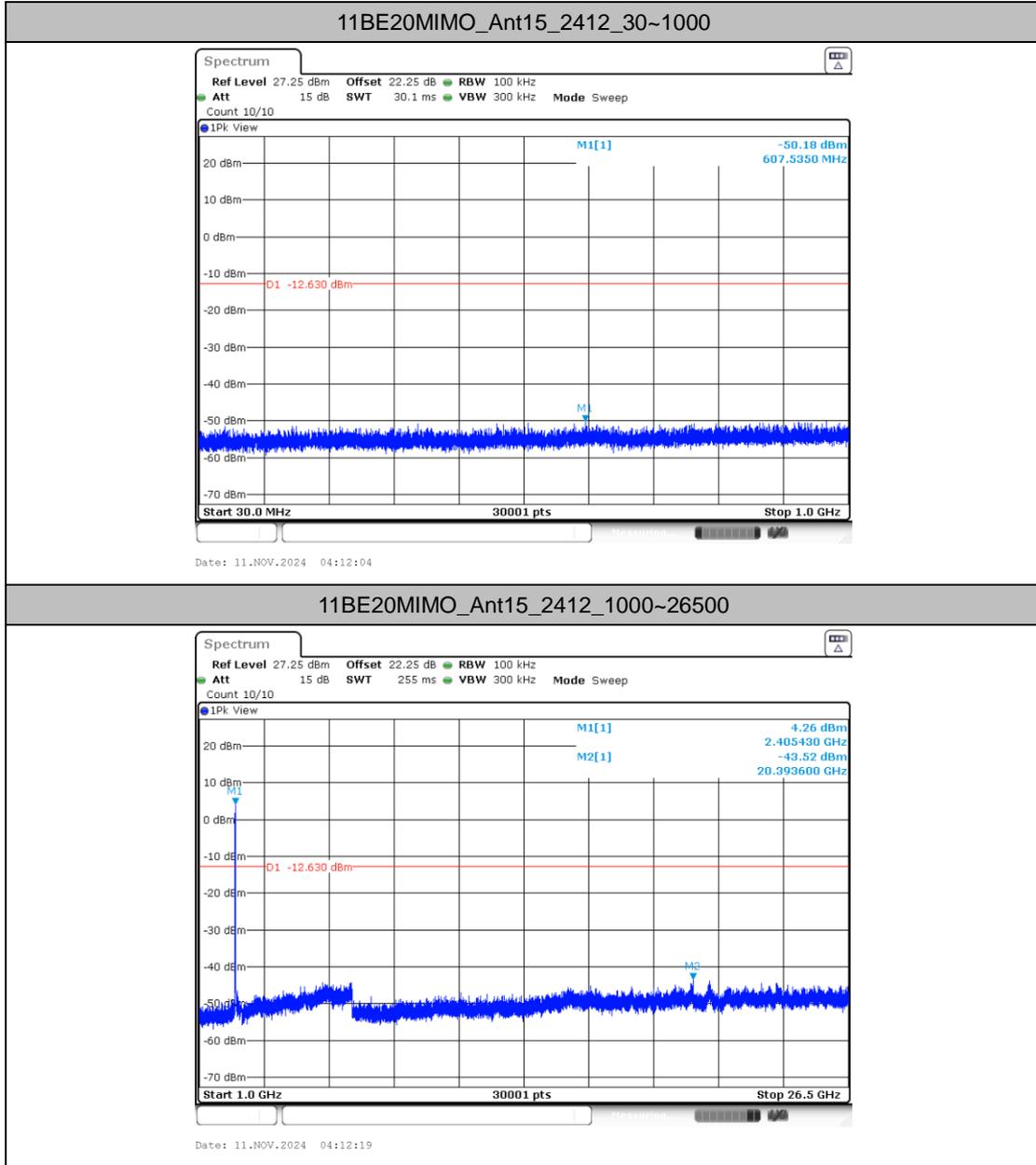


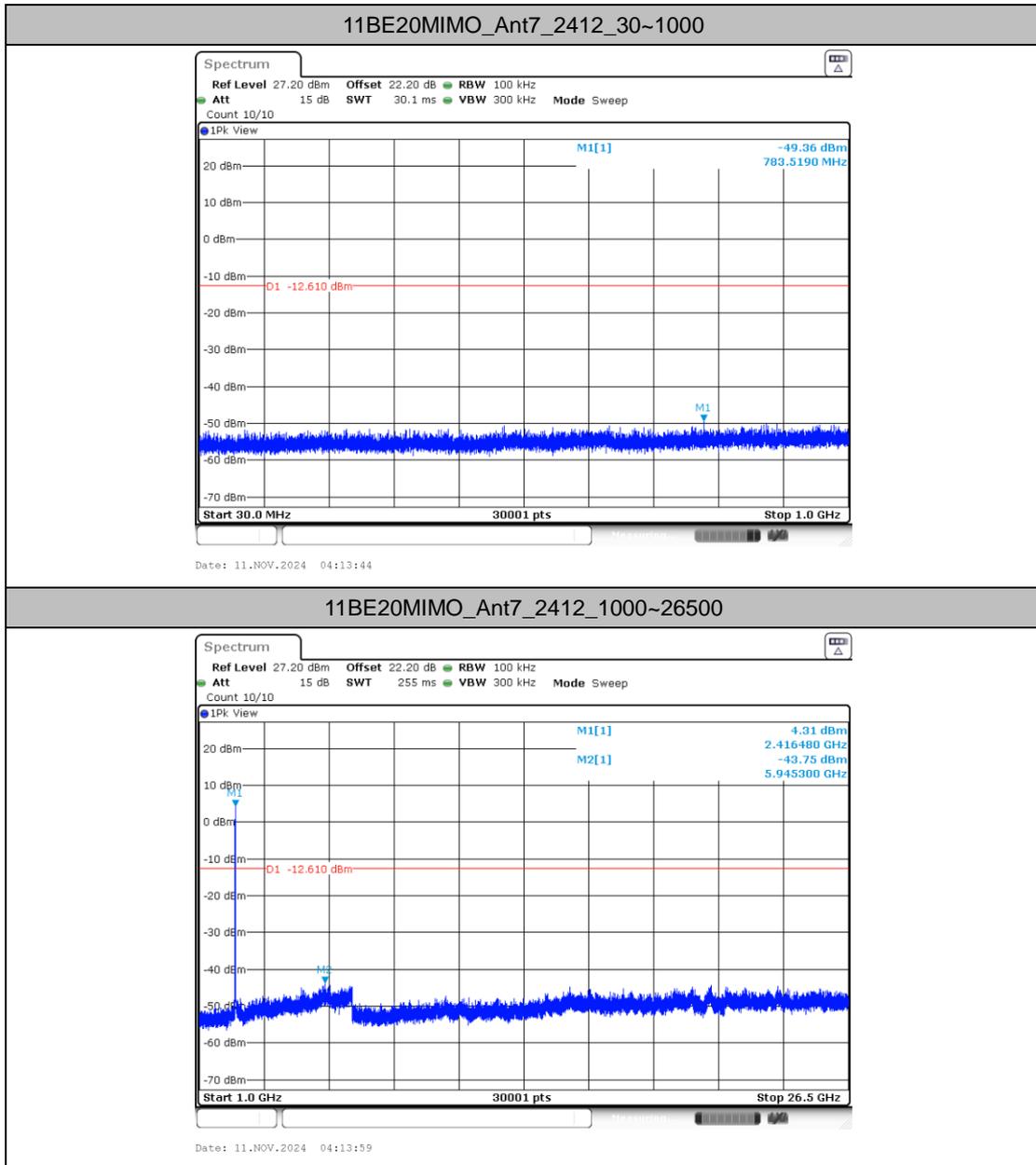


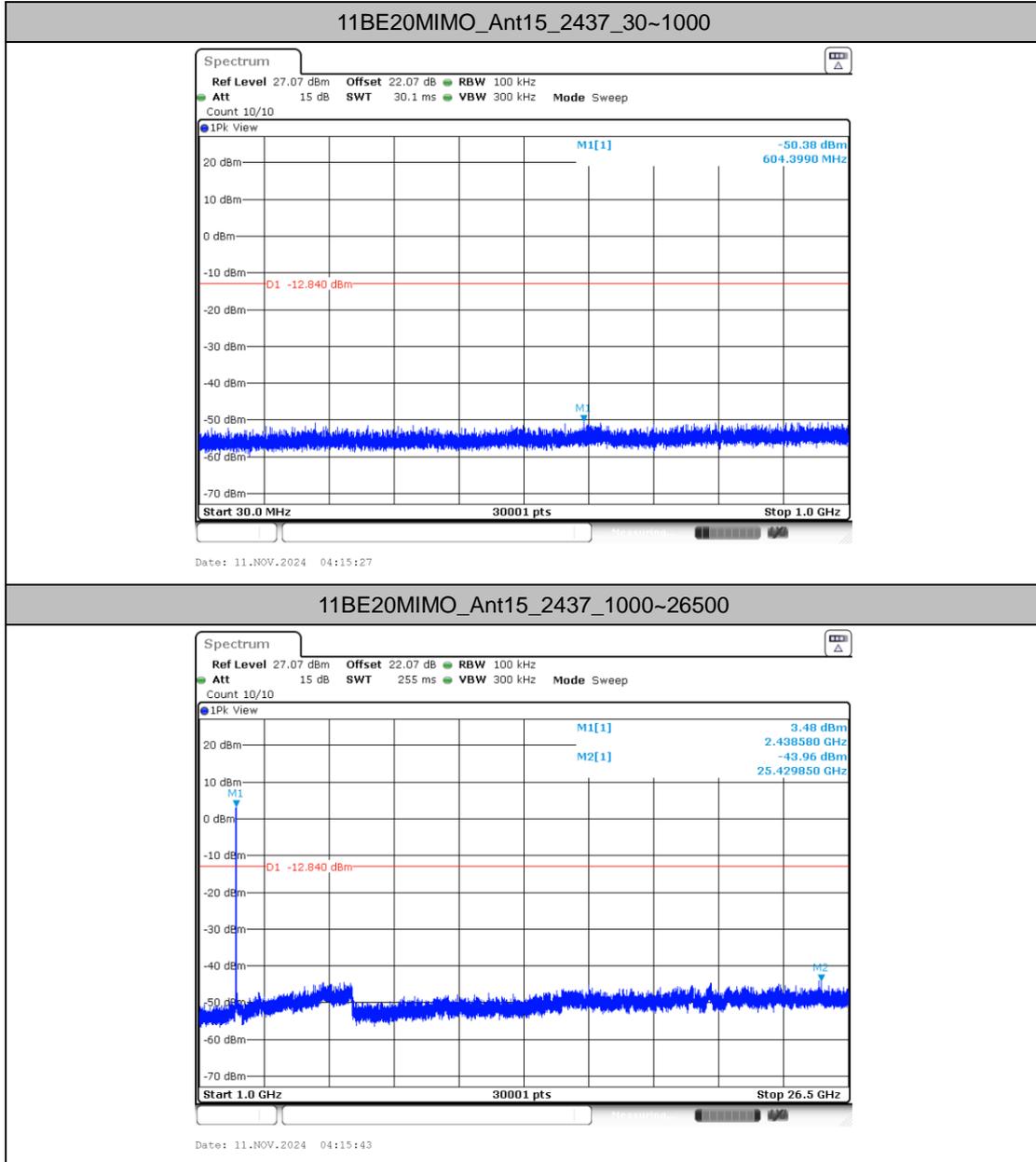


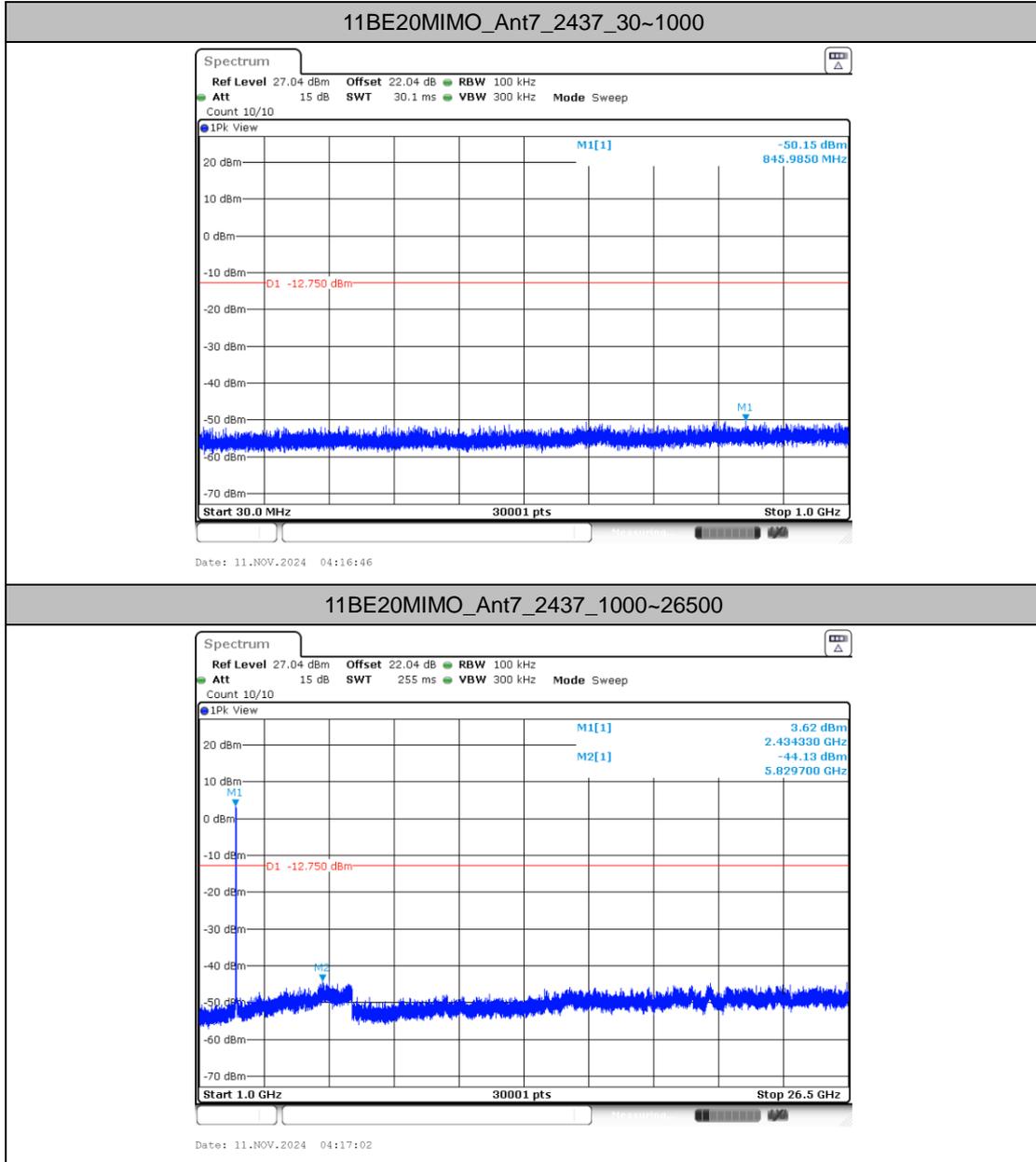


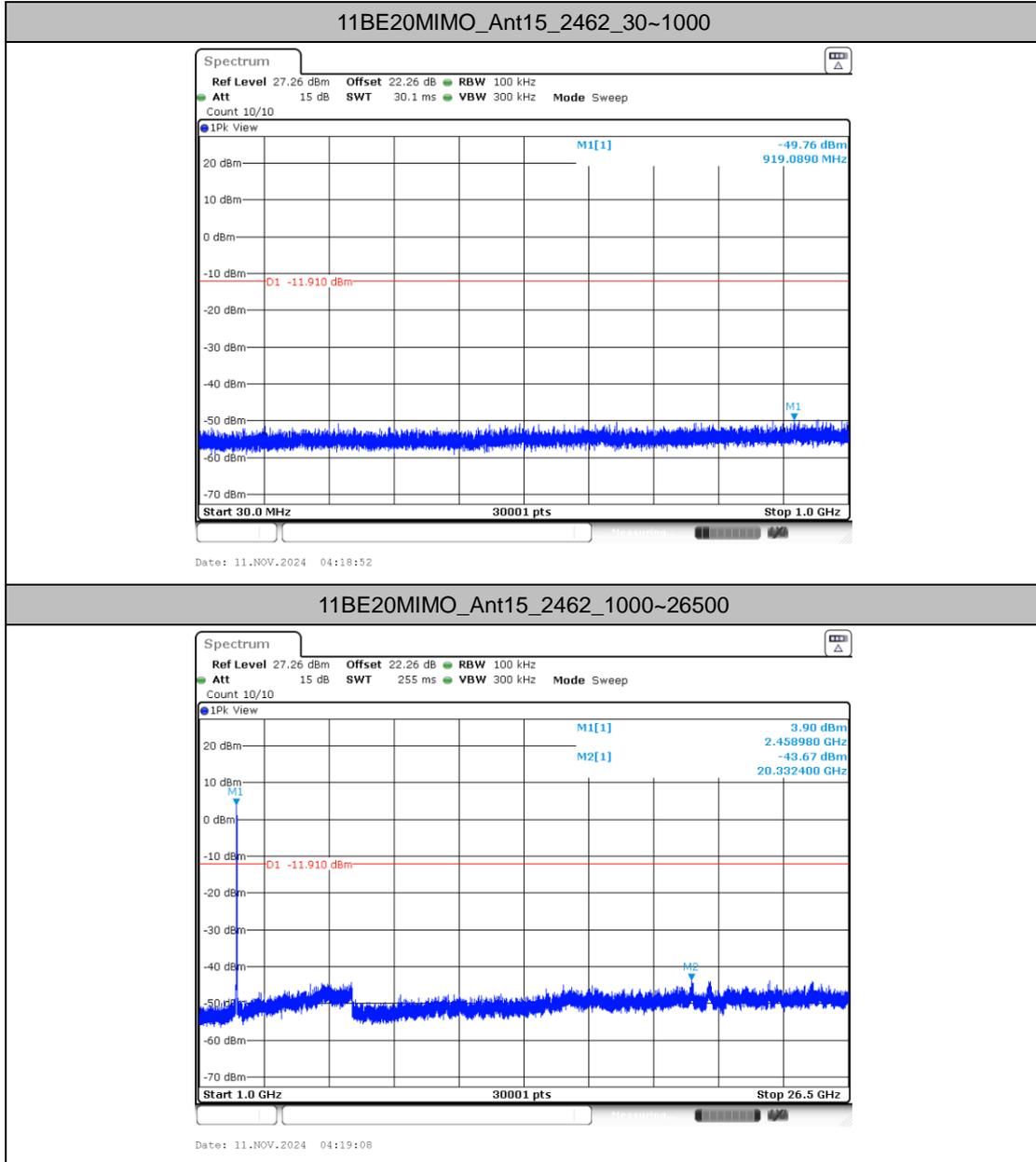


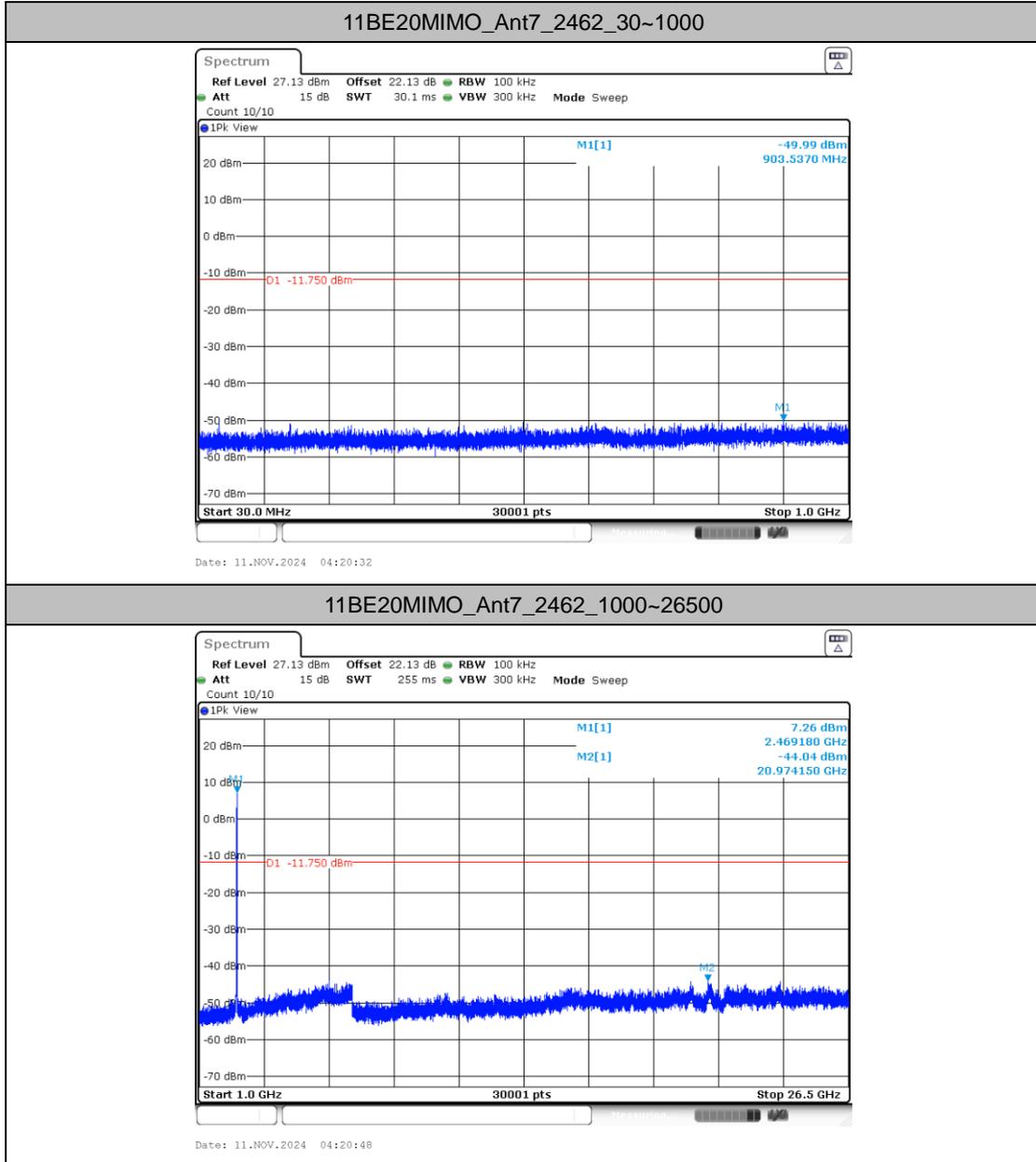


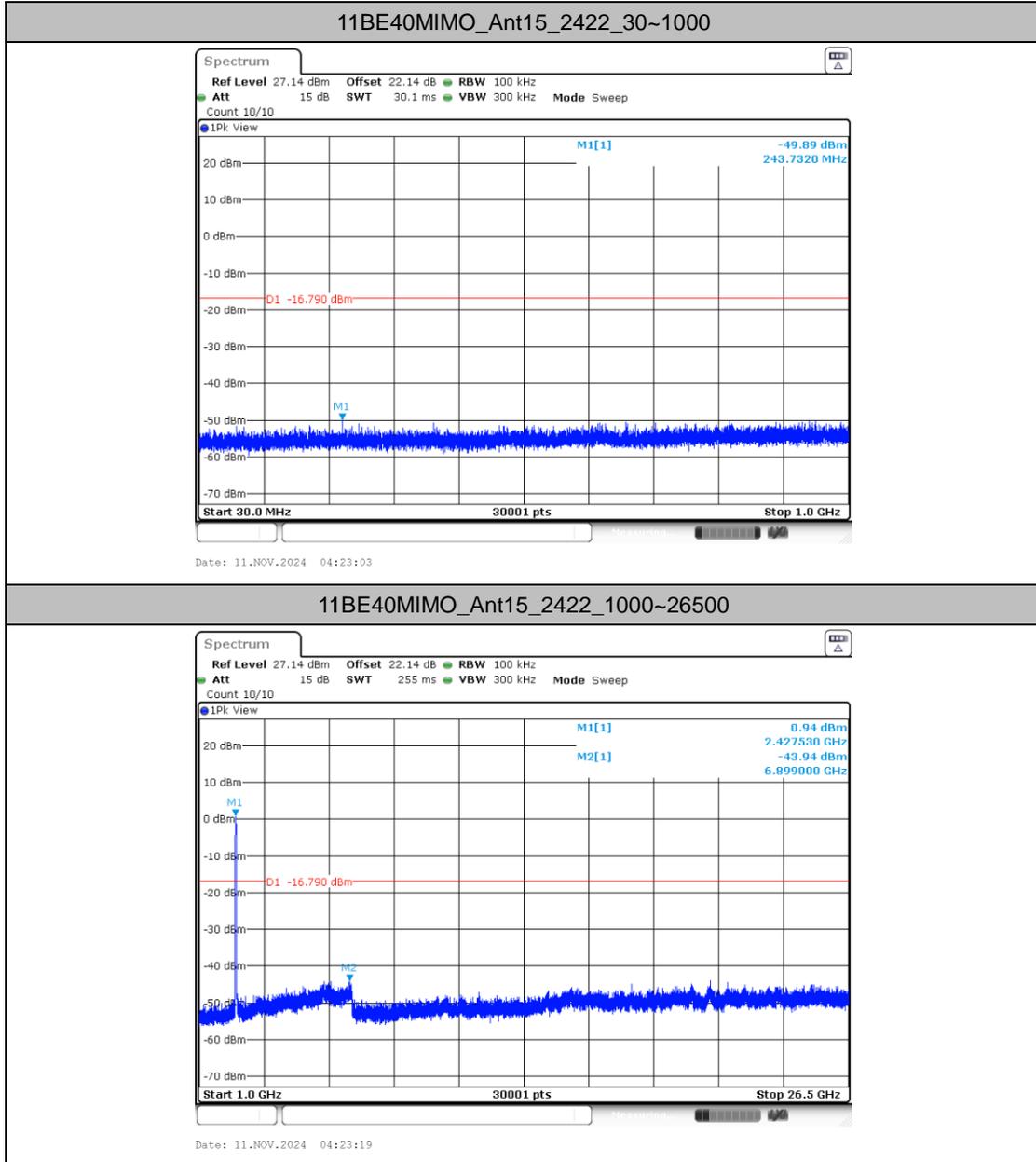


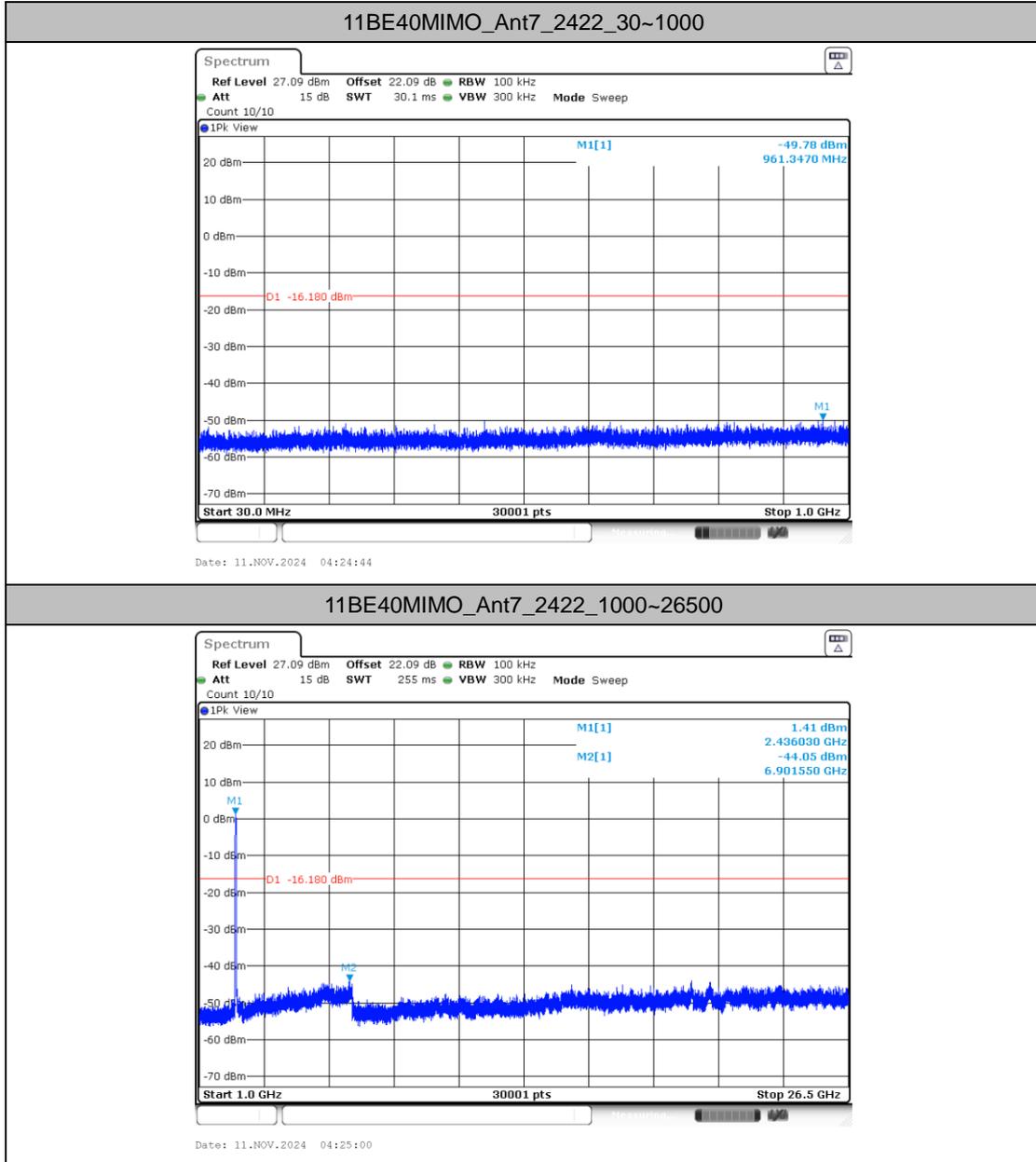


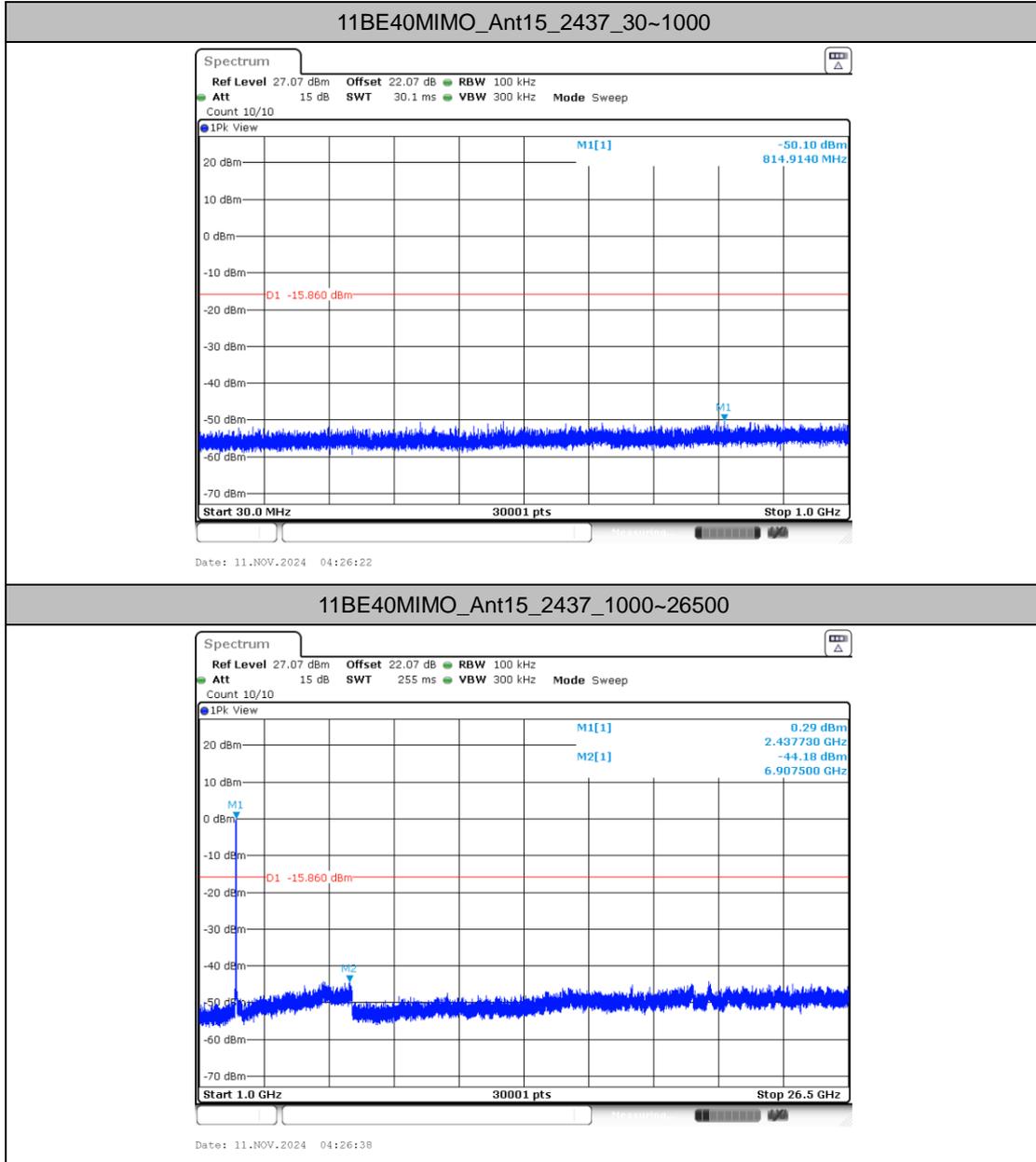


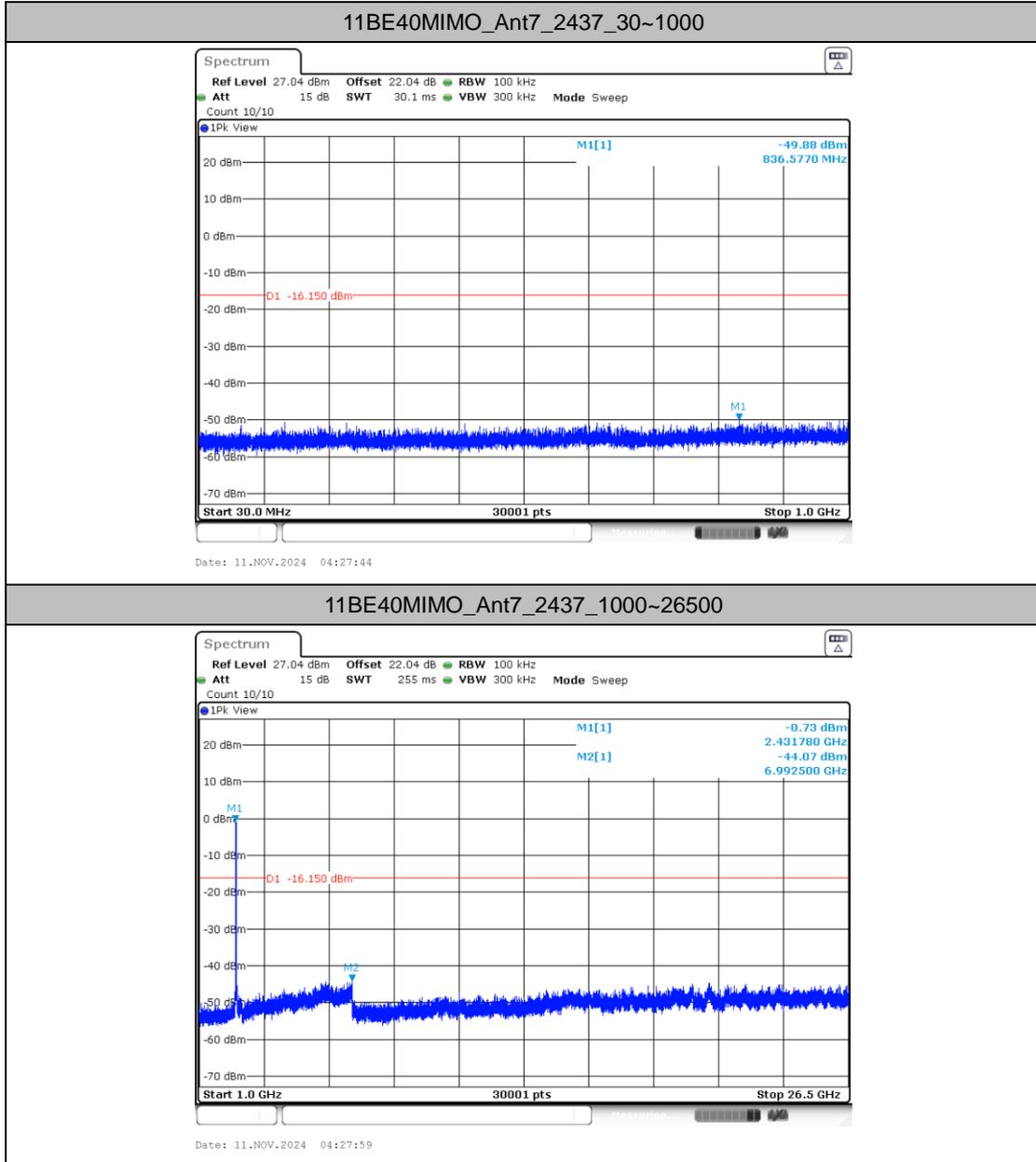


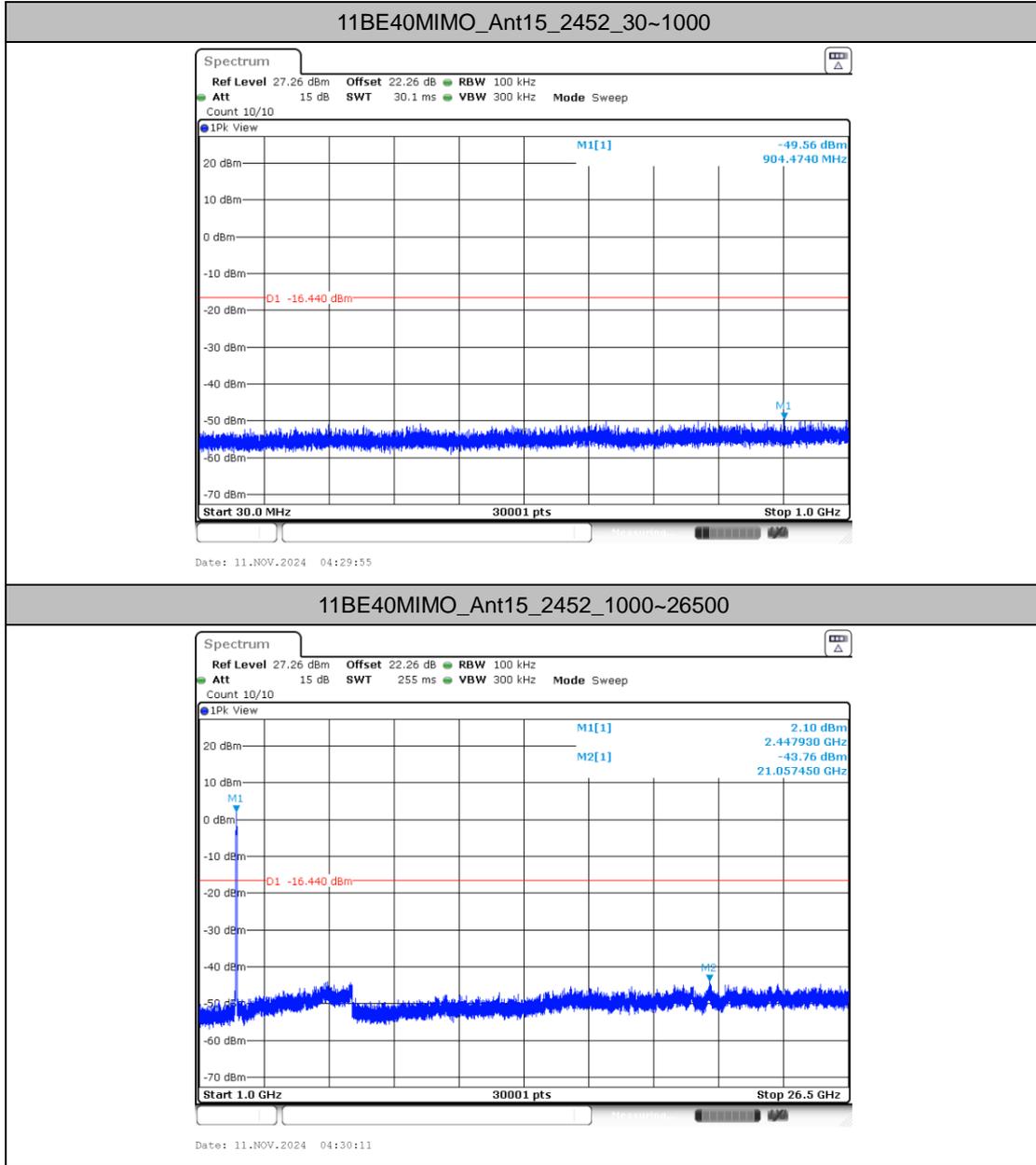


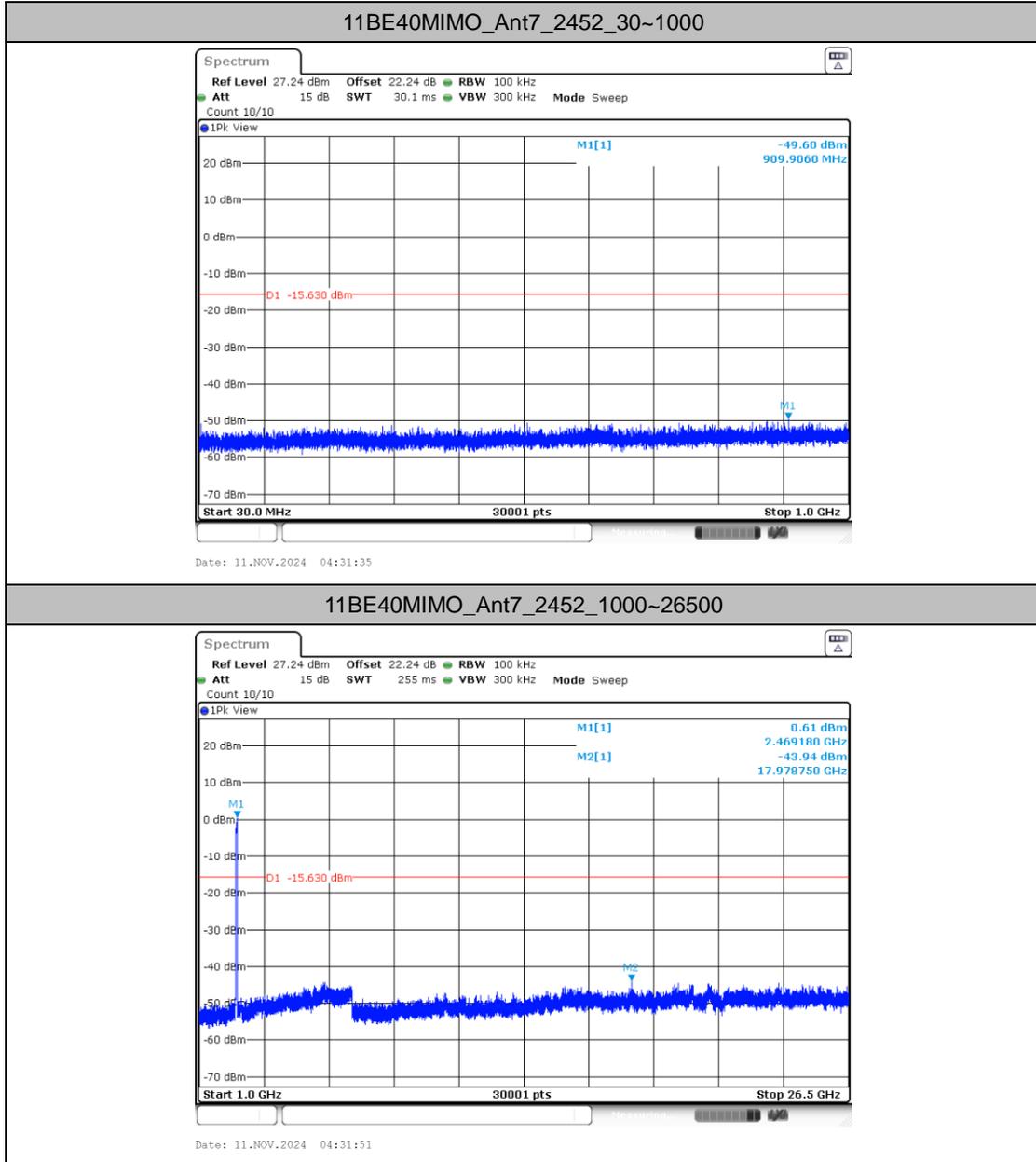














Single RU

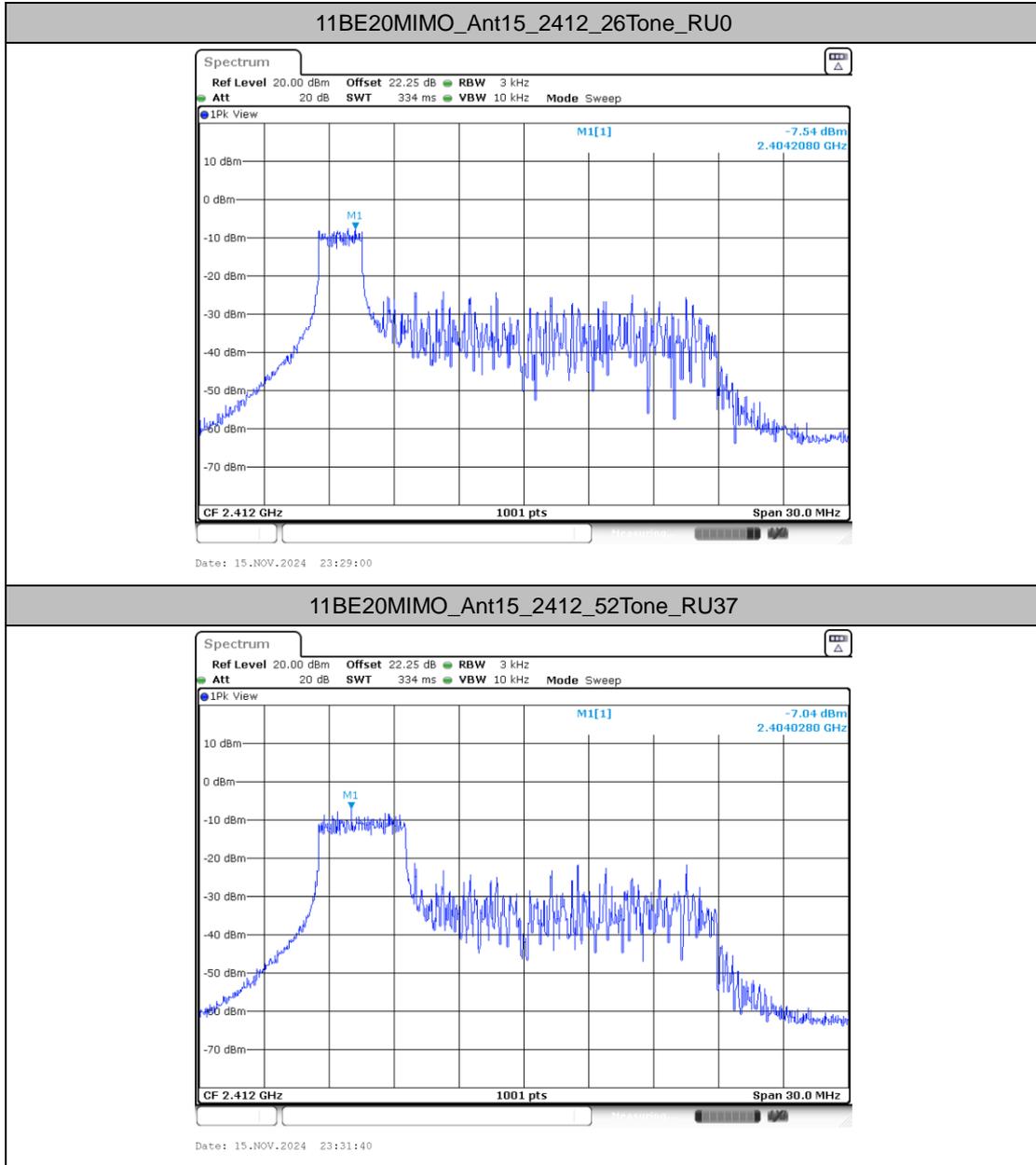
Maximum power spectral density

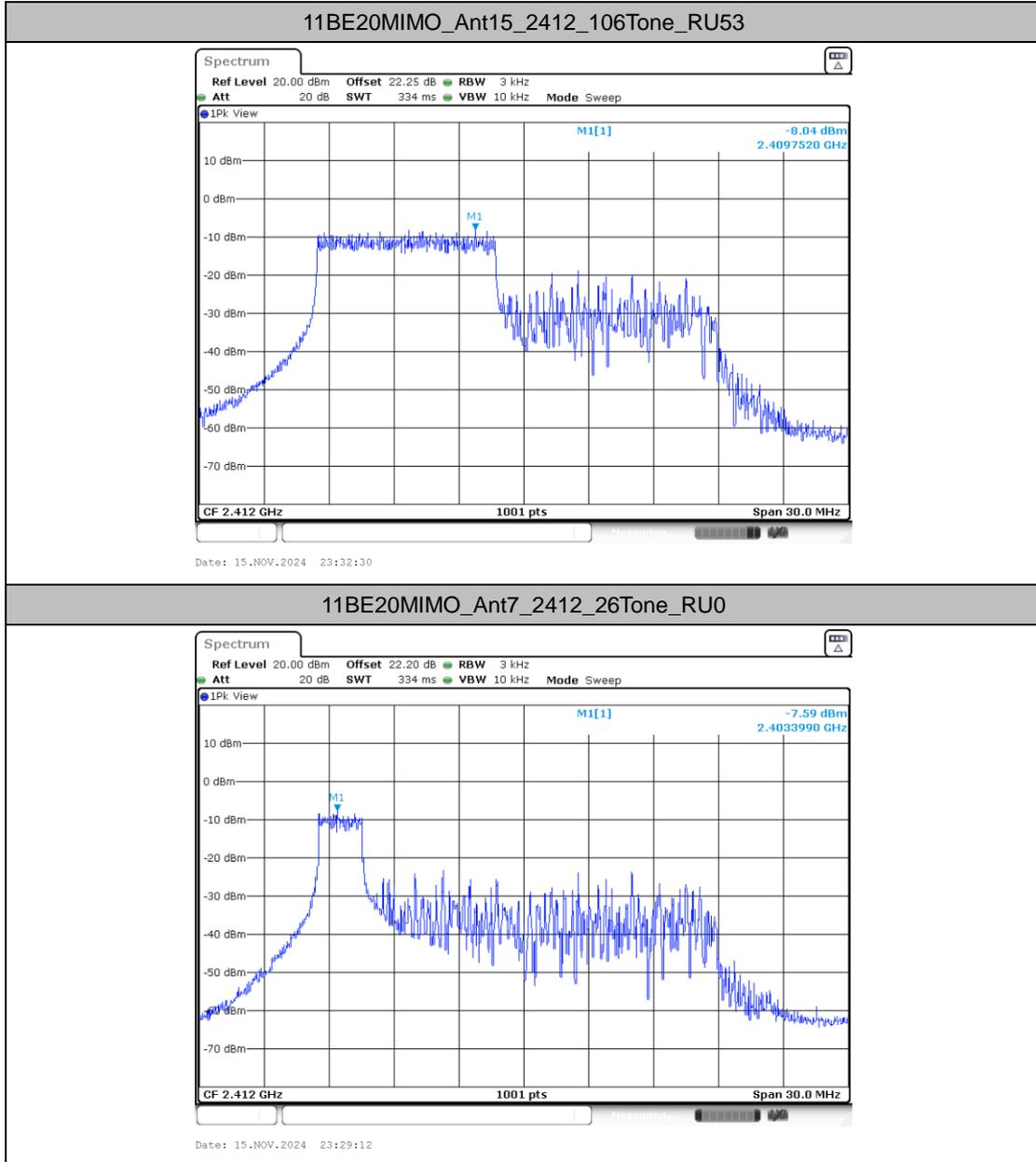
Test Result

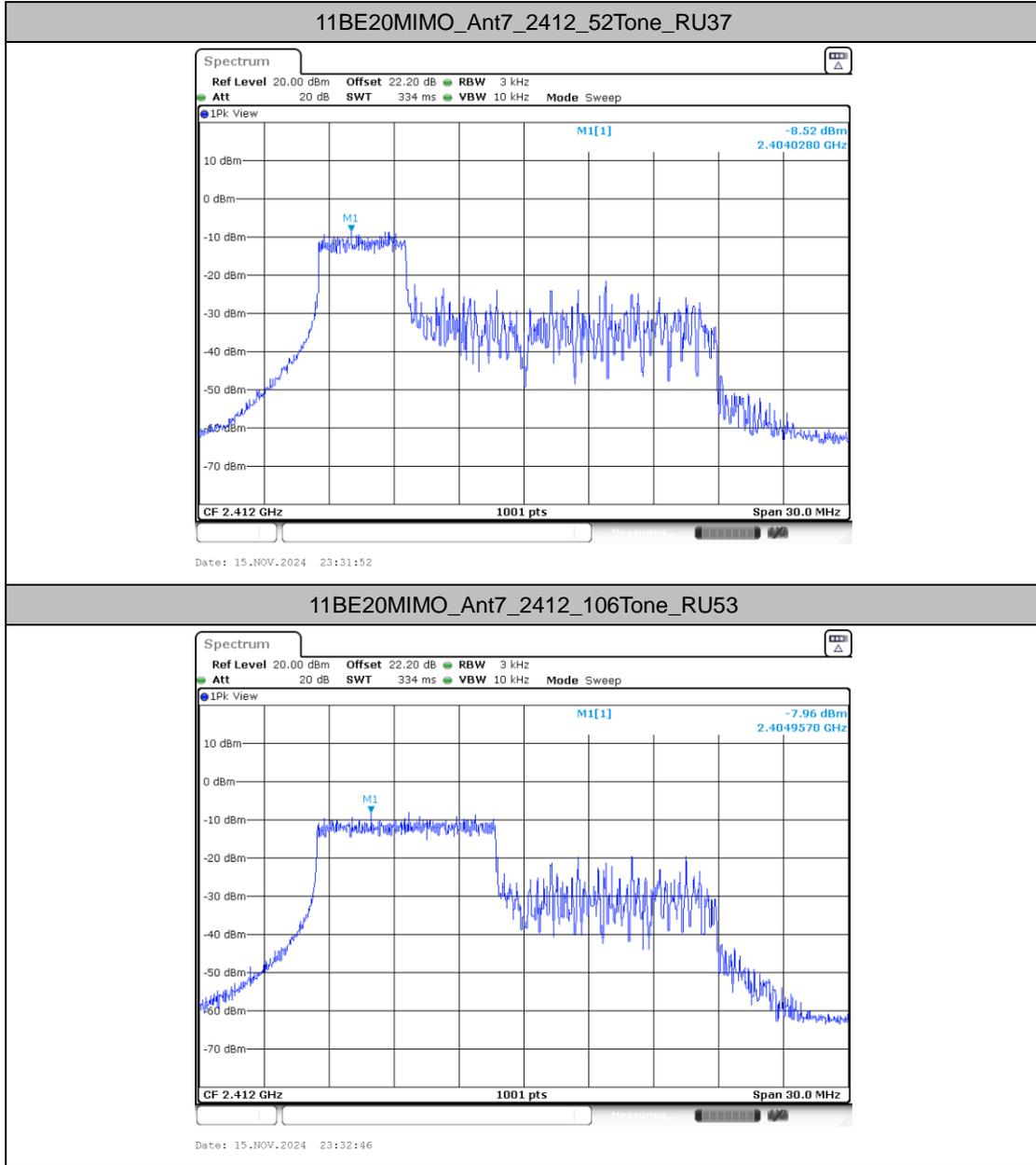
TestMode	Antenna	Freq(MHz)	RuSize	RuIndex	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11BE20MIMO	Ant15	2412	26Tone	RU0	-7.54	≤8.00	PASS
			52Tone	RU37	-7.04	≤8.00	PASS
			106Tone	RU53	-8.04	≤8.00	PASS
	Ant7	2412	26Tone	RU0	-7.59	≤8.00	PASS
			52Tone	RU37	-8.52	≤8.00	PASS
			106Tone	RU53	-7.96	≤8.00	PASS
	total	2412	26Tone	RU0	-4.55	≤8.00	PASS
			52Tone	RU37	-4.71	≤8.00	PASS
			106Tone	RU53	-4.99	≤8.00	PASS
	Ant15	2462	26Tone	RU8	-7.03	≤8.00	PASS
			52Tone	RU40	-7.42	≤8.00	PASS
			106Tone	RU54	-7.59	≤8.00	PASS
	Ant7	2462	26Tone	RU8	-6.84	≤8.00	PASS
			52Tone	RU40	-7.24	≤8.00	PASS
			106Tone	RU54	-7.31	≤8.00	PASS
	total	2462	26Tone	RU8	-3.92	≤8.00	PASS
			52Tone	RU40	-4.32	≤8.00	PASS
			106Tone	RU54	-4.44	≤8.00	PASS

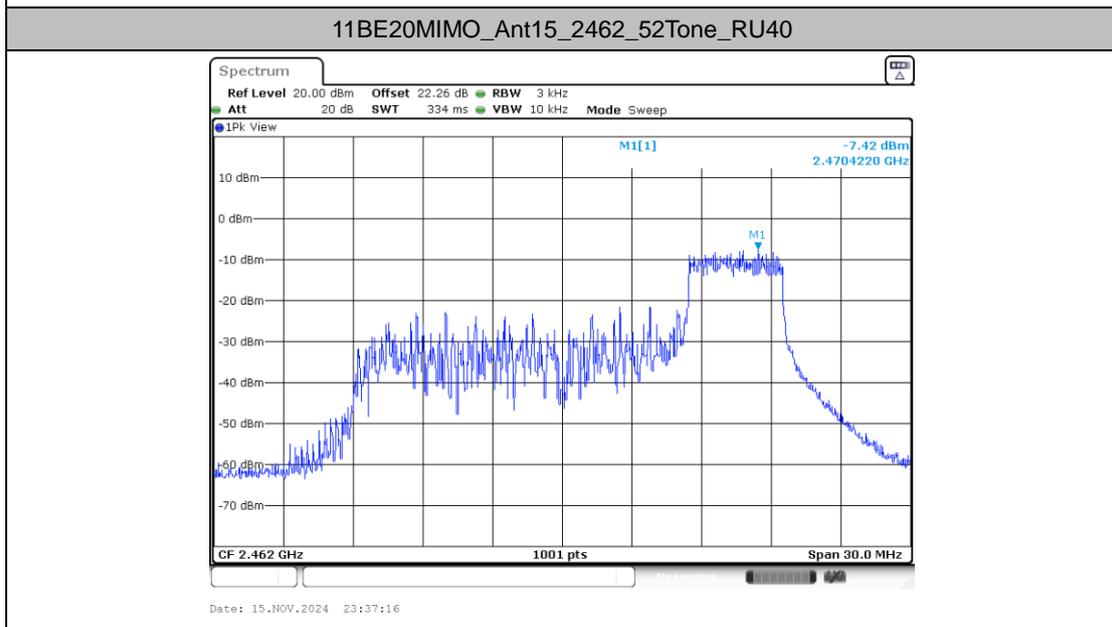
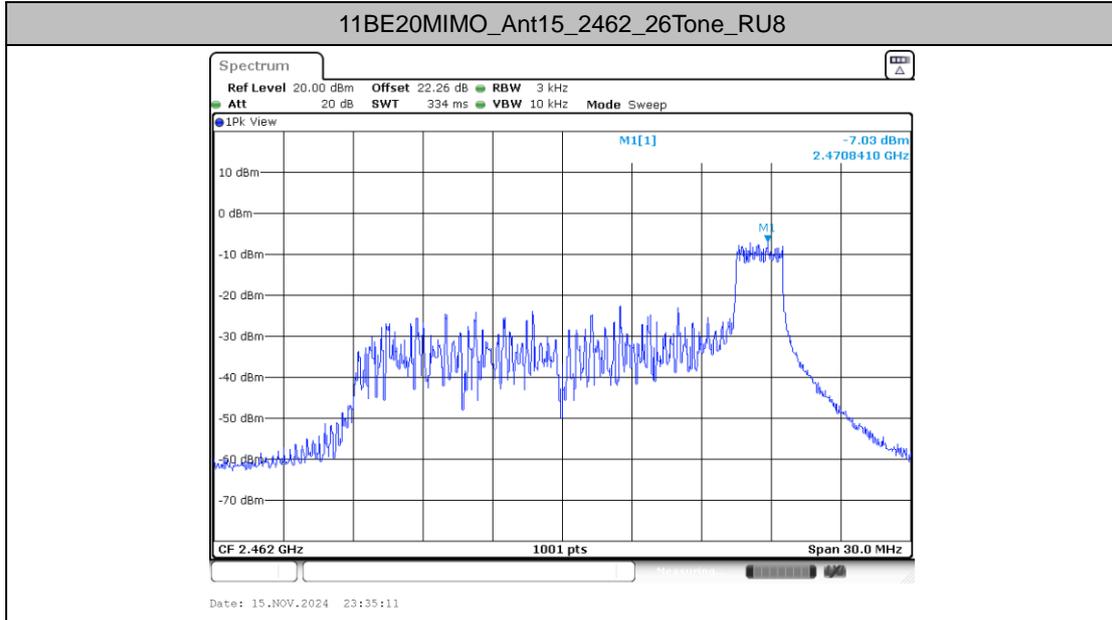


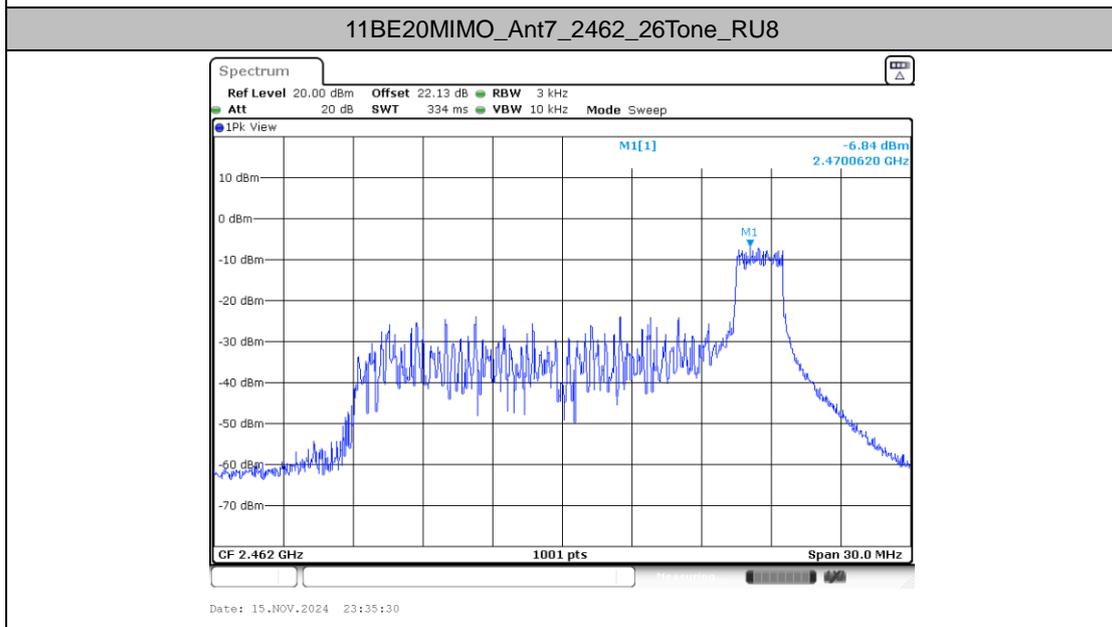
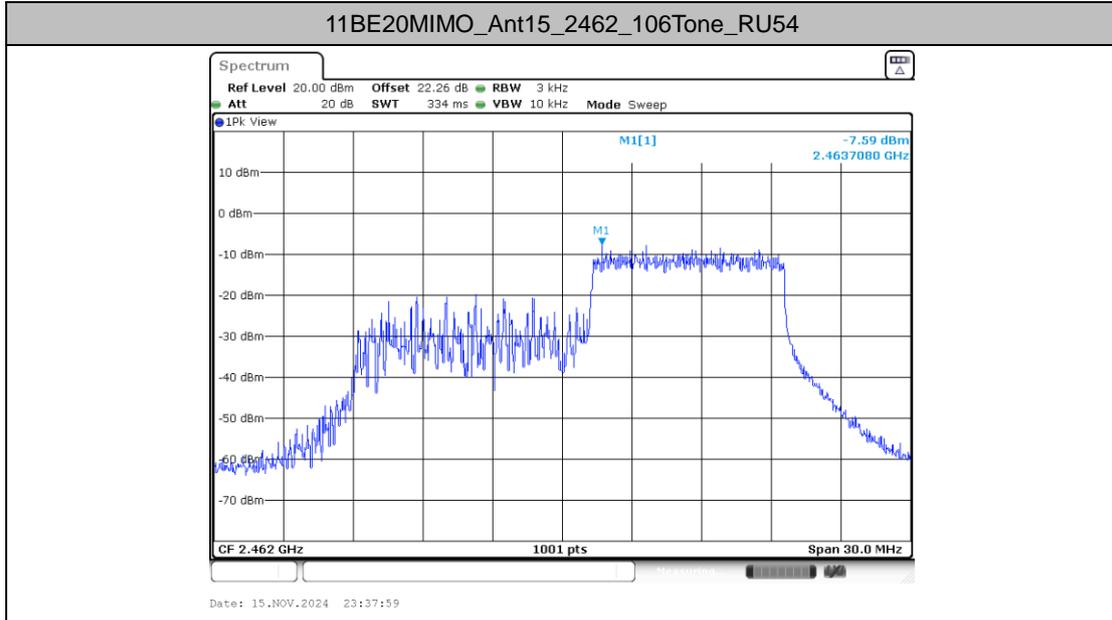
Test Graphs

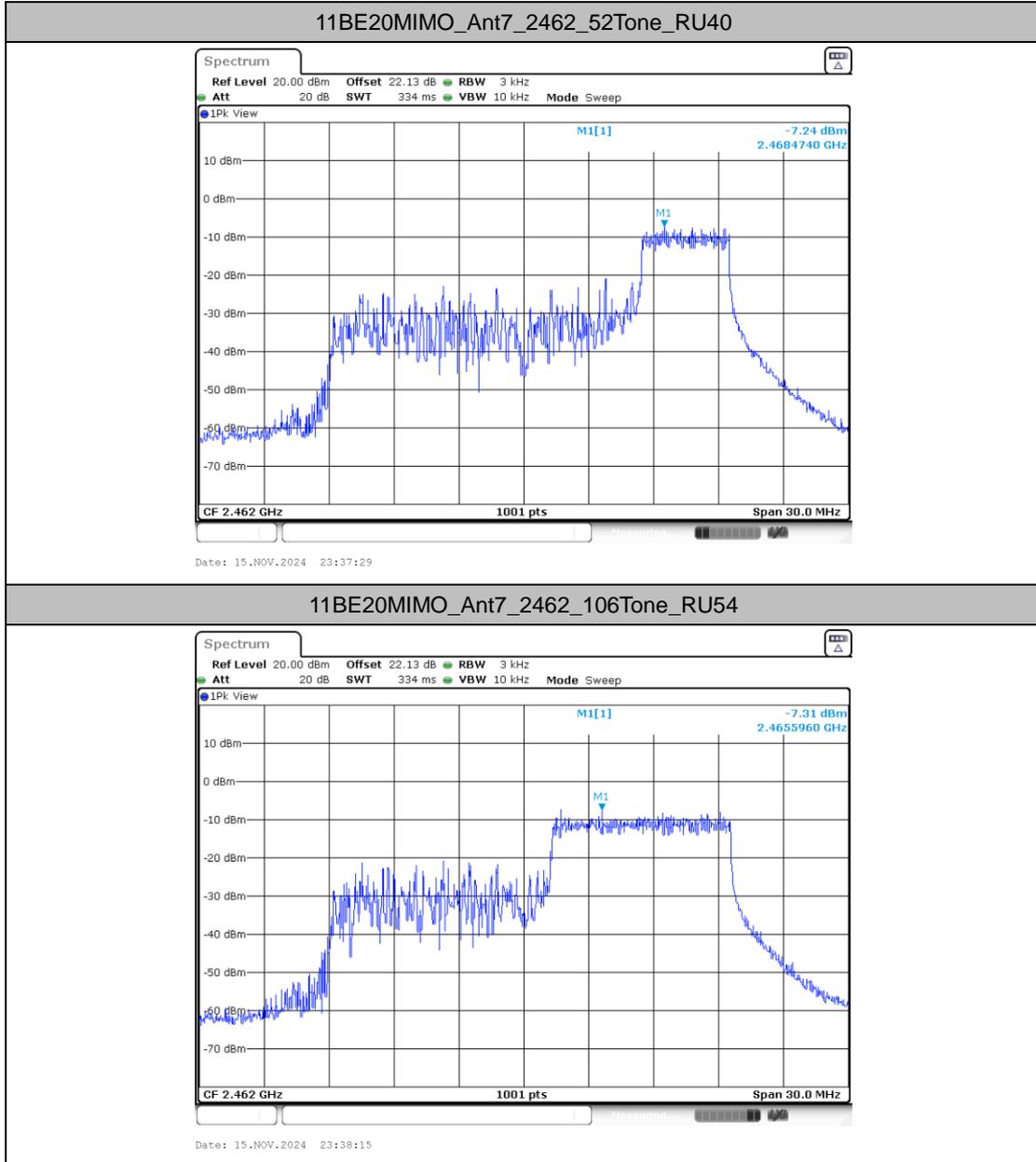














Small RU

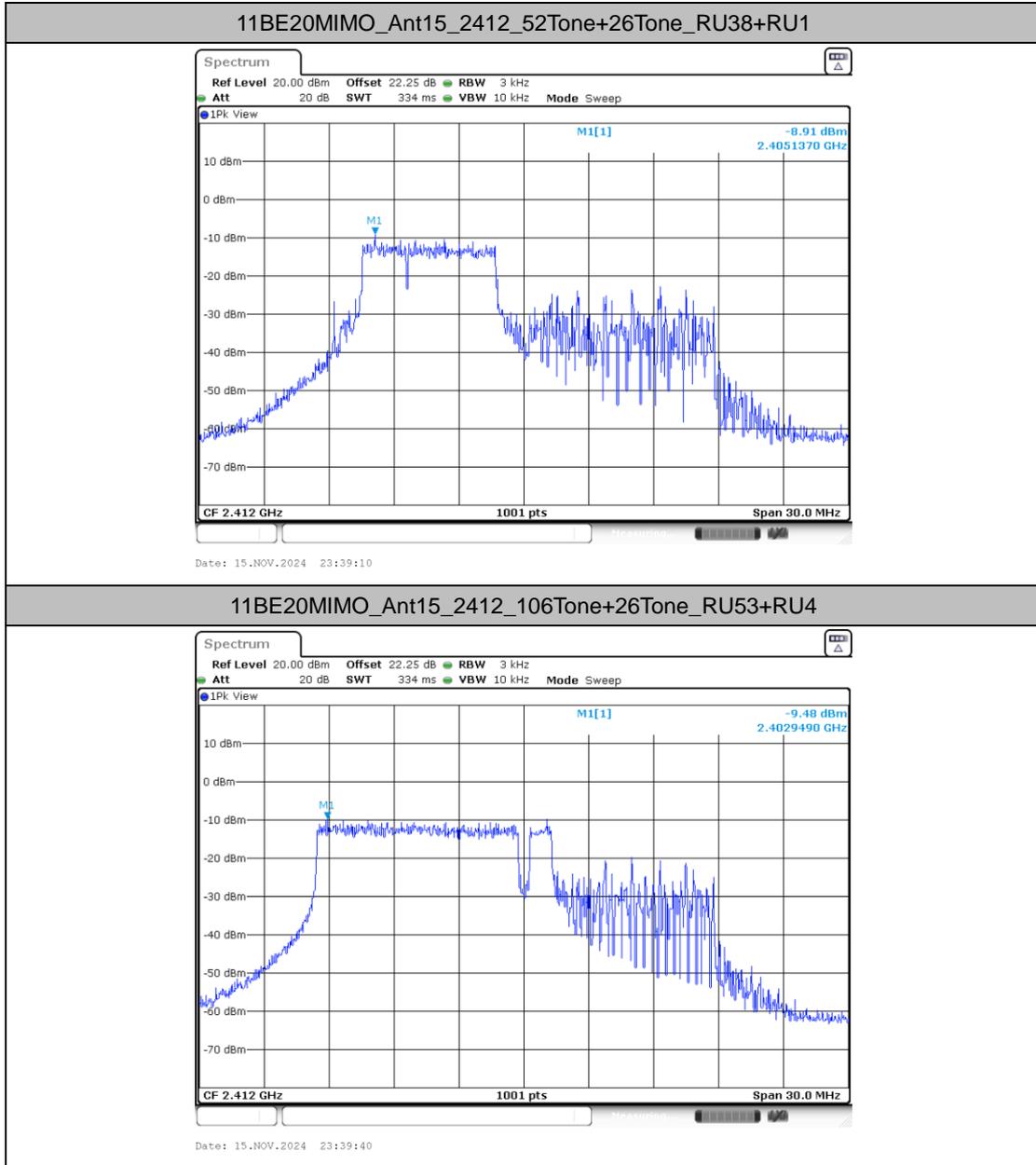
Maximum power spectral density

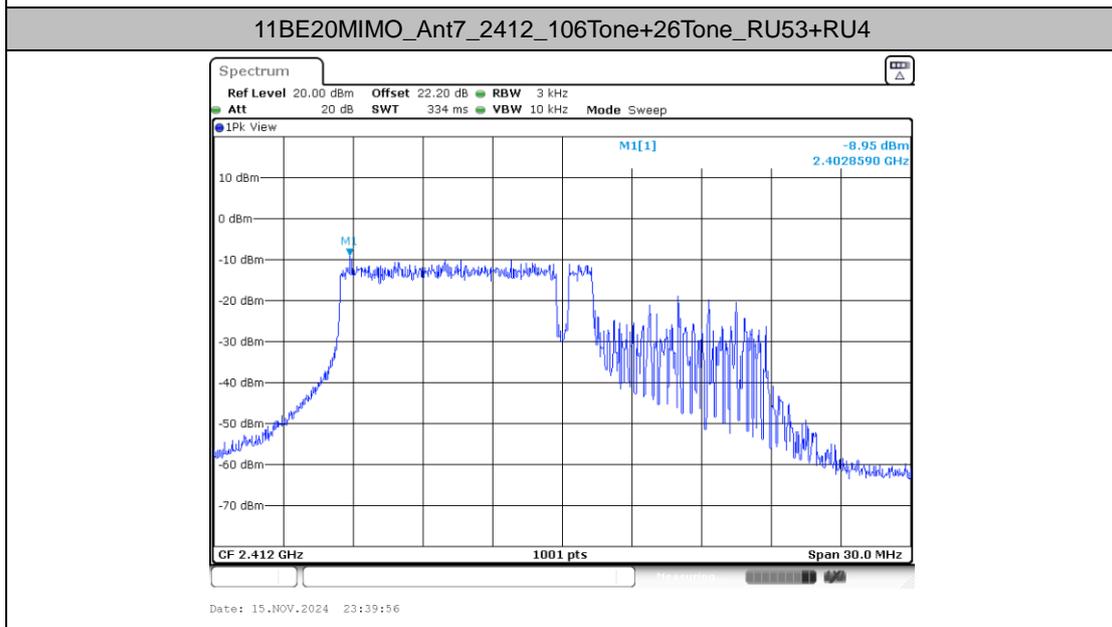
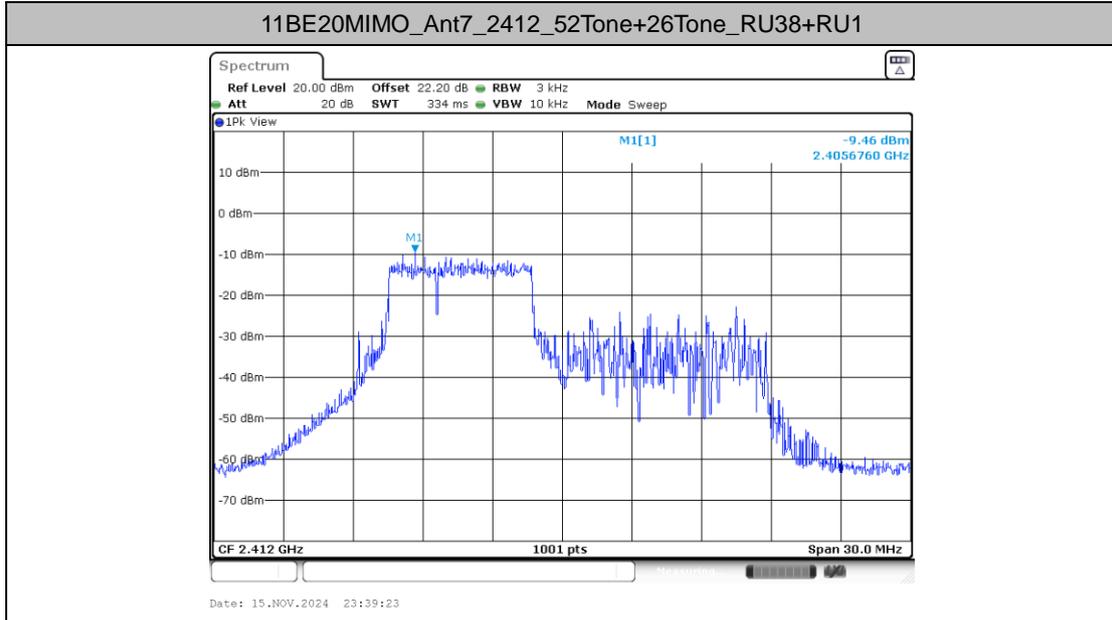
Test Result

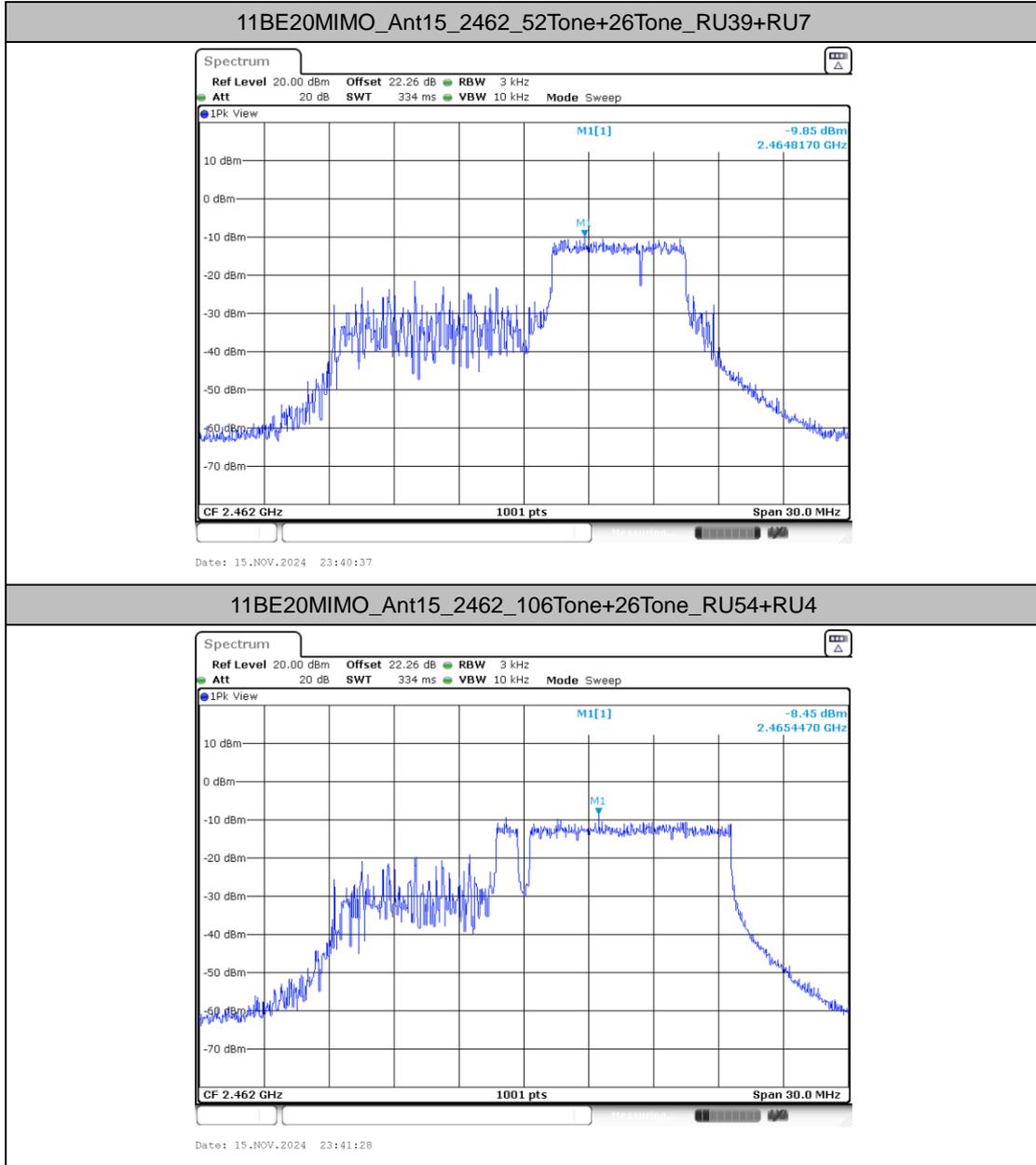
Test Mode	Antenna	Freq (MHz)	RuSize	RuIndex	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11BE20 MIMO	Ant15	2412	52Tone+26Tone	RU38+RU1	-8.91	≤8.00	PASS
			106Tone+26Tone	RU53+RU4	-9.48	≤8.00	PASS
	Ant7	2412	52Tone+26Tone	RU38+RU1	-9.46	≤8.00	PASS
			106Tone+26Tone	RU53+RU4	-8.95	≤8.00	PASS
	total	2412	52Tone+26Tone	RU38+RU1	-6.17	≤8.00	PASS
			106Tone+26Tone	RU53+RU4	-6.20	≤8.00	PASS
	Ant15	2462	52Tone+26Tone	RU39+RU7	-9.85	≤8.00	PASS
			106Tone+26Tone	RU54+RU4	-8.45	≤8.00	PASS
	Ant7	2462	52Tone+26Tone	RU39+RU7	-9.89	≤8.00	PASS
			106Tone+26Tone	RU54+RU4	-8.86	≤8.00	PASS
	total	2462	52Tone+26Tone	RU39+RU7	-6.86	≤8.00	PASS
			106Tone+26Tone	RU54+RU4	-5.64	≤8.00	PASS

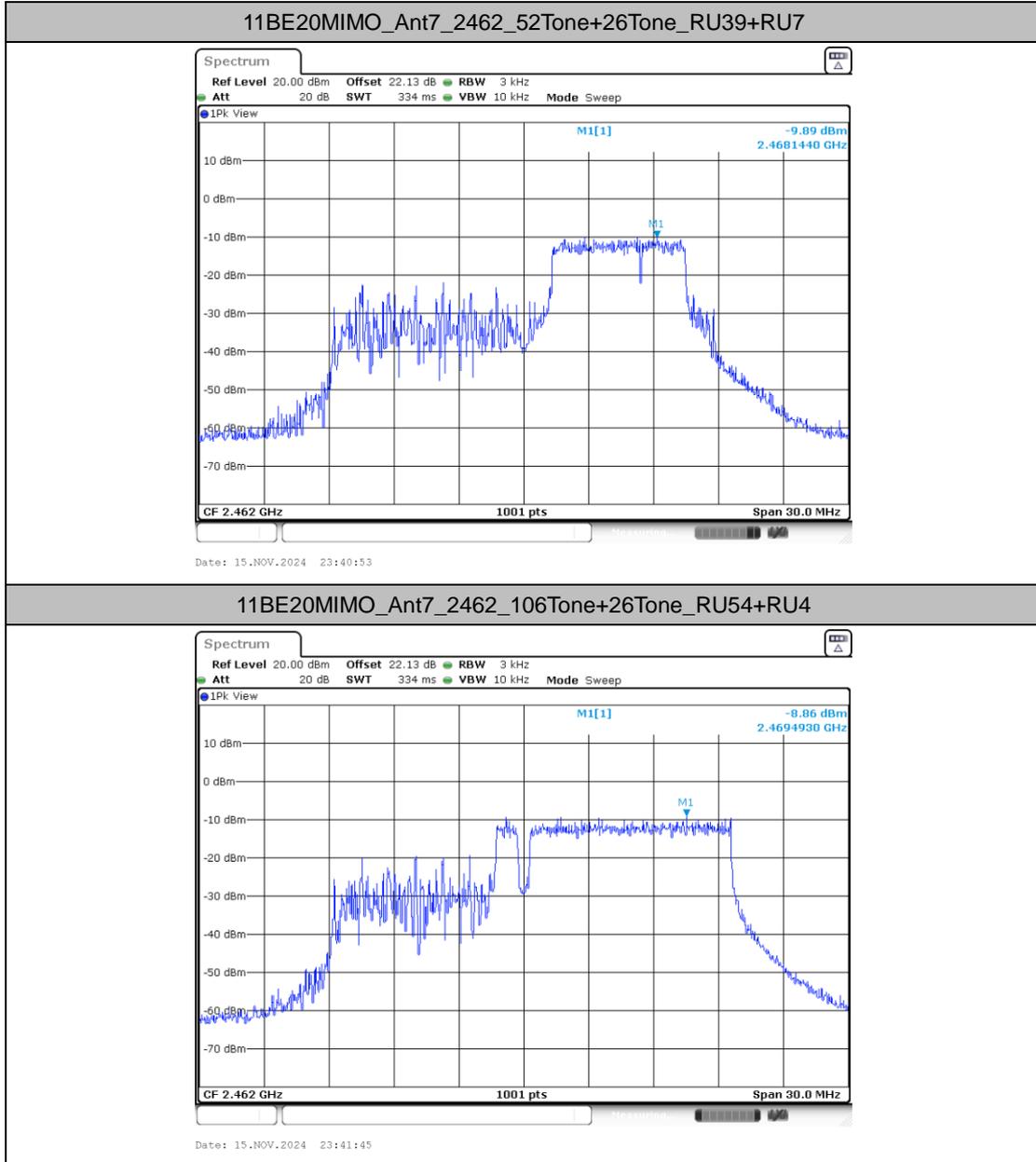


Test Graphs





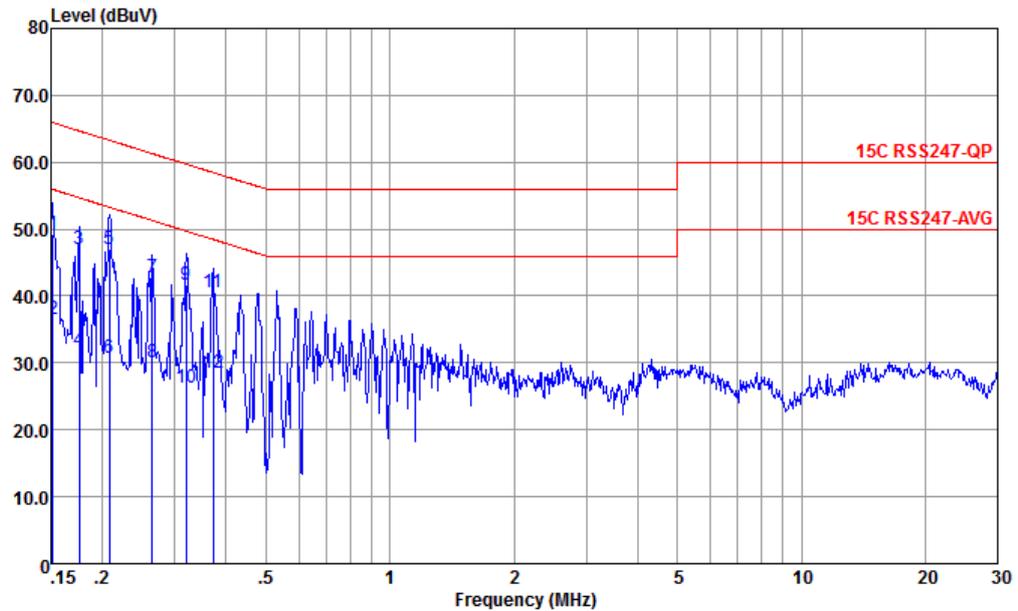






Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos Zhang	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.		

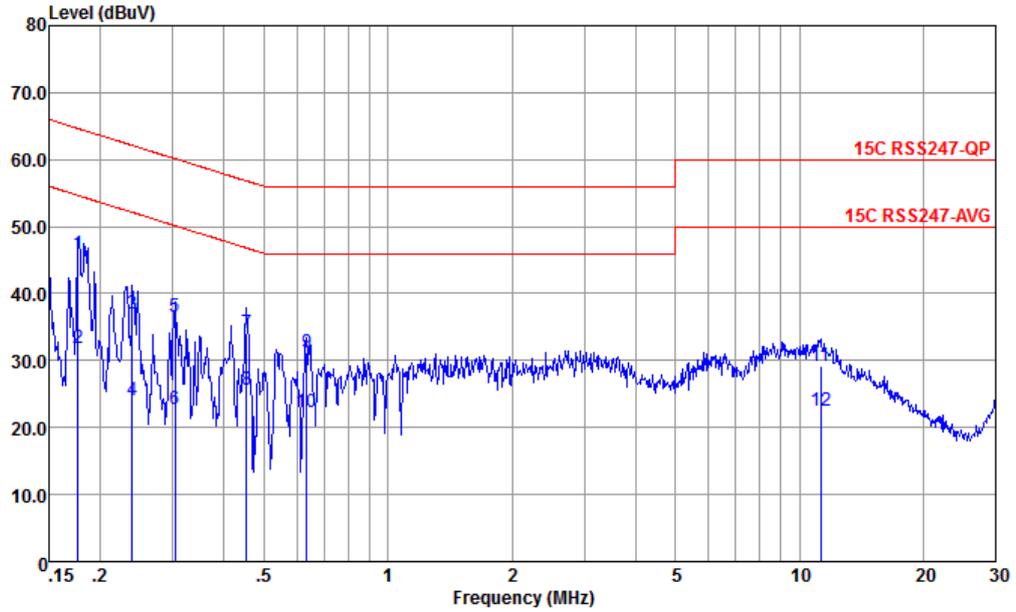


Site : CO01-KS
 Condition : 15C RSS247-QP LISN-060105-L 2024 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.152	49.14	-16.77	65.91	38.60	0.12	10.42	QP
2	0.152	36.44	-19.47	55.91	25.90	0.12	10.42	Average
3	0.176	47.11	-17.57	64.68	36.60	0.10	10.41	QP
4	0.176	31.81	-22.87	54.68	21.30	0.10	10.41	Average
5 *	0.208	47.08	-16.19	63.27	36.60	0.08	10.40	QP
6	0.208	30.78	-22.49	53.27	20.30	0.08	10.40	Average
7	0.264	42.74	-18.55	61.29	32.29	0.09	10.36	QP
8	0.264	30.04	-21.25	51.29	19.59	0.09	10.36	Average
9	0.320	41.59	-18.12	59.71	31.21	0.06	10.32	QP
10	0.320	26.29	-23.42	49.71	15.91	0.06	10.32	Average
11	0.371	40.60	-17.87	58.47	30.31	0.00	10.29	QP
12	0.371	28.60	-19.87	48.47	18.31	0.00	10.29	Average



Test Engineer :	Amos Zhang	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-060105-N 2024 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.177	45.84	-18.80	64.64	35.30	0.13	10.41	QP
2	0.177	31.84	-22.80	54.64	21.30	0.13	10.41	Average
3	0.239	37.00	-25.13	62.13	26.60	0.02	10.38	QP
4	0.239	24.03	-28.10	52.13	13.63	0.02	10.38	Average
5	0.303	36.61	-23.54	60.15	26.40	-0.12	10.33	QP
6	0.303	22.71	-27.44	50.15	12.50	-0.12	10.33	Average
7	0.454	34.00	-22.80	56.80	23.89	-0.14	10.25	QP
8	0.454	25.70	-21.10	46.80	15.59	-0.14	10.25	Average
9	0.634	31.30	-24.70	56.00	21.30	-0.16	10.16	QP
10	0.634	22.30	-23.70	46.00	12.30	-0.16	10.16	Average
11	11.257	29.22	-30.78	60.00	18.60	-0.25	10.87	QP
12	11.257	22.62	-27.38	50.00	12.00	-0.25	10.87	Average

Note:

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



Appendix C. Radiated Spurious Emission

Test Engineer :	Koi Ji	Relative Humidity :	41 ~ 42%
		Temperature :	22 ~ 23°C

Radiated Spurious Emission Test Modes

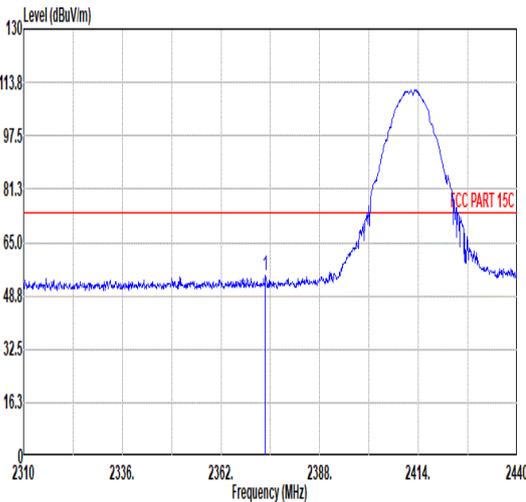
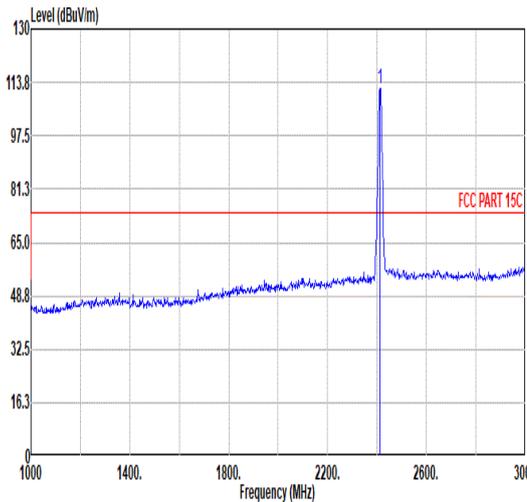
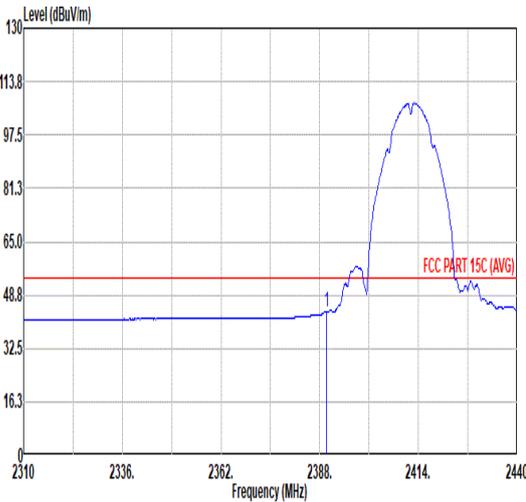
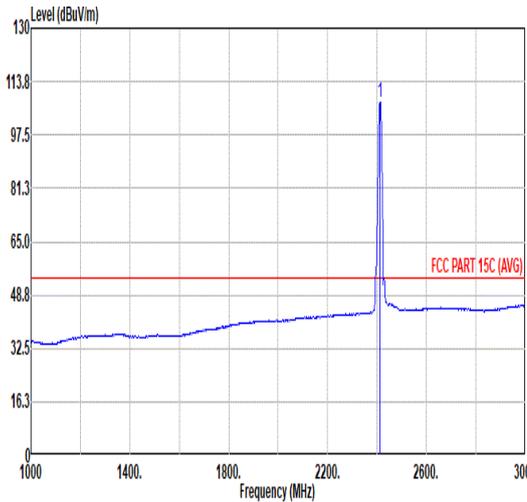
Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 22	2400-2483.5	CDD 7+15	802.11b	01	2412	1Mbps	-	-
Mode 23	2400-2483.5	CDD 7+15	802.11b	06	2437	1Mbps	-	-
Mode 24	2400-2483.5	CDD 7+15	802.11b	11	2462	1Mbps	-	-
Mode 25	2400-2483.5	CDD 7+15	802.11g	01	2412	6Mbps	-	-
Mode 26	2400-2483.5	CDD 7+15	802.11g	06	2437	6Mbps	-	-
Mode 27	2400-2483.5	CDD 7+15	802.11g	11	2462	6Mbps	-	-
Mode 28	2400-2483.5	CDD 7+15	802.11be EHT20	01	2412	MCS0	Full RU	-
Mode 29	2400-2483.5	CDD 7+15	802.11be EHT20	06	2437	MCS0	Full RU	-
Mode 30	2400-2483.5	CDD 7+15	802.11be EHT20	11	2462	MCS0	Full RU	-
Mode 31	2400-2483.5	CDD 7+15	802.11be EHT40	3	2422	MCS0	Full RU	-
Mode 32	2400-2483.5	CDD 7+15	802.11be EHT40	06	2437	MCS0	Full RU	-
Mode 33	2400-2483.5	CDD 7+15	802.11be EHT40	9	2452	MCS0	Full RU	-
Mode 34	2400-2483.5	CDD 7+15	802.11be EHT20	01	2412	MCS0	RU106/53	-
Mode 35	2400-2483.5	CDD 7+15	802.11be EHT20	11	2462	MCS0	RU106/54	-
Mode 36	2400-2483.5	CDD 7+15	802.11be EHT20	01	2412	MCS0	RU53+4	-
Mode 37	2400-2483.5	CDD 7+15	802.11be EHT20	11	2462	MCS0	RU54+4	-



Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
22	802.11b	01	2389.82	43.54	54.00	-10.46	H	AVERAGE	Pass	Band Edge
22	802.11b	01	4874.00	42.95	74.00	-31.05	H	PEAK	Pass	Harmonic
23	802.11b	06	-	-	-	-	-	-	-	Band Edge
23	802.11b	06	4874.00	43.40	74.00	-30.60	V	PEAK	Pass	Harmonic
24	802.11b	11	2483.86	43.88	54.00	-10.12	H	AVERAGE	Pass	Band Edge
24	802.11b	11	7386.00	43.97	74.00	-30.03	V	PEAK	Pass	Harmonic
25	802.11g	01	2389.95	47.81	54.00	-6.19	V	AVERAGE	Pass	Band Edge
25	802.11g	01	4824.00	41.52	74.00	-32.48	H	PEAK	Pass	Harmonic
26	802.11g	06	-	-	-	-	-	-	-	Band Edge
26	802.11g	06	7311.00	43.71	74.00	-30.29	H	PEAK	Pass	Harmonic
27	802.11g	11	2483.98	47.38	54.00	-6.62	H	AVERAGE	Pass	Band Edge
27	802.11g	11	7386.00	43.62	74.00	-30.38	V	PEAK	Pass	Harmonic
28	802.11be EHT20	01	2389.95	50.25	54.00	-3.75	H	AVERAGE	Pass	Band Edge
28	802.11be EHT20	01	4824.00	39.99	74.00	-34.01	V	PEAK	Pass	Harmonic
29	802.11be EHT20	06	-	-	-	-	-	-	-	Band Edge
29	802.11be EHT20	06	7311.00	43.37	74.00	-30.63	V	PEAK	Pass	Harmonic
30	802.11be EHT20	11	2483.50	47.92	54.00	-6.08	V	AVERAGE	Pass	Band Edge
30	802.11be EHT20	11	7386.00	44.12	74.00	-29.88	V	PEAK	Pass	Harmonic
31	802.11be EHT40	3	2389.95	46.01	54.00	-7.99	H	AVERAGE	Pass	Band Edge
31	802.11be EHT40	3	7266.00	43.57	74.00	-30.43	H	PEAK	Pass	Harmonic
32	802.11be EHT40	06	-	-	-	-	-	-	-	Band Edge
32	802.11be EHT40	06	7311.00	43.59	74.00	-30.41	V	PEAK	Pass	Harmonic
33	802.11be EHT40	9	2483.50	49.54	54.00	-4.46	H	AVERAGE	Pass	Band Edge
33	802.11be EHT40	9	7356.00	43.03	74.00	-30.97	V	PEAK	Pass	Harmonic
34	802.11be EHT20	01	2389.95	48.86	54.00	-5.14	V	AVERAGE	Pass	Band Edge
34	802.11be EHT20	01	-	-	-	-	-	-	-	Harmonic
35	802.11be EHT20	11	2483.56	70.79	74.00	-3.21	H	PEAK	Pass	Band Edge
35	802.11be EHT20	11	-	-	-	-	-	-	-	Harmonic
36	802.11be EHT20	01	2388.78	69.38	74.00	-4.62	H	PEAK	Pass	Band Edge
36	802.11be EHT20	01	-	-	-	-	-	-	-	Harmonic
37	802.11be EHT20	11	2483.50	50.53	54.00	-3.47	V	AVERAGE	Pass	Band Edge
37	802.11be EHT20	11	-	-	-	-	-	-	-	Harmonic



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1	2412.00	102.34	-----	-----	86.71	32.22	8.09	30.68	6.00	345	81	AVERAGE																																																																						



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