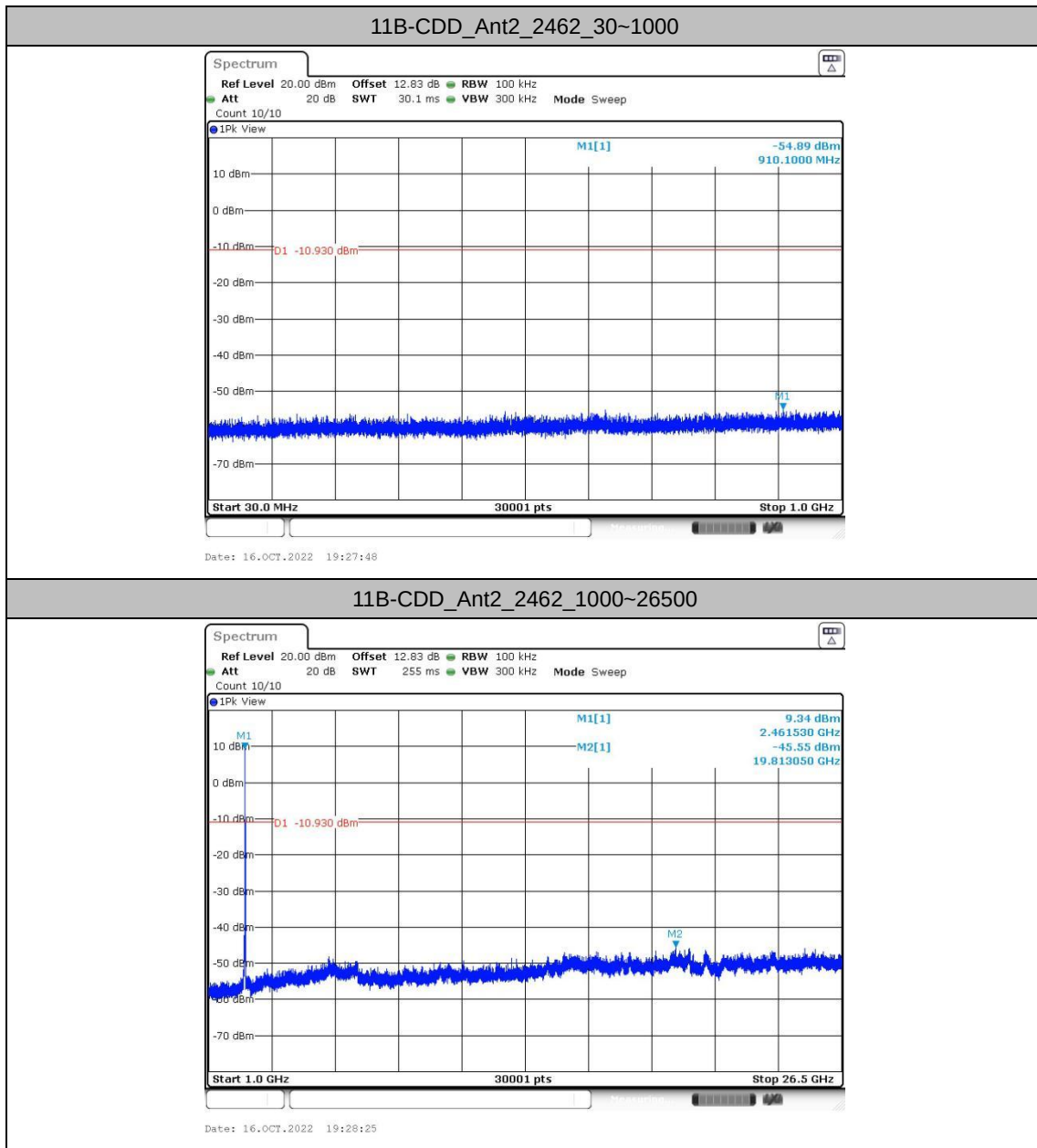
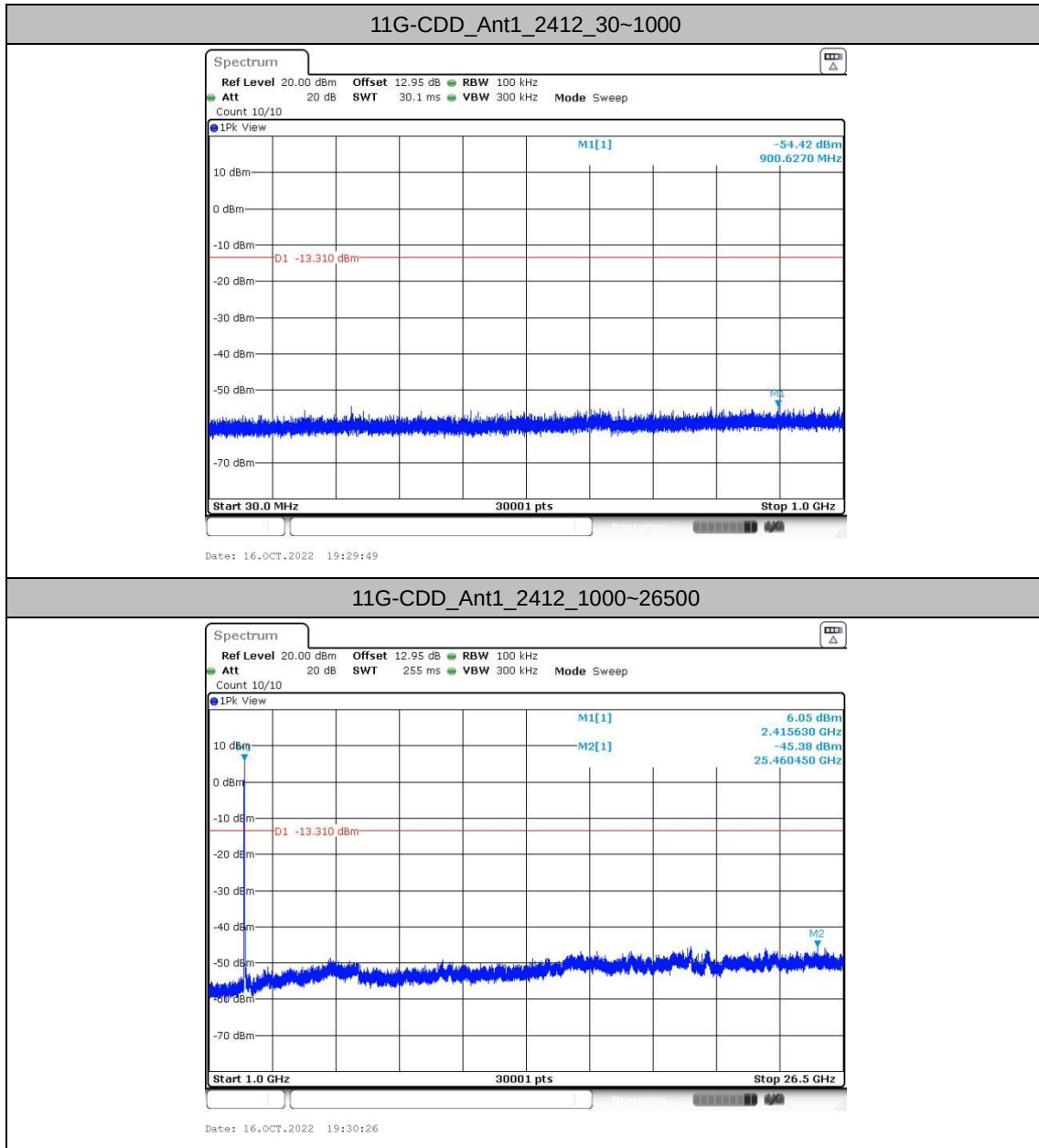
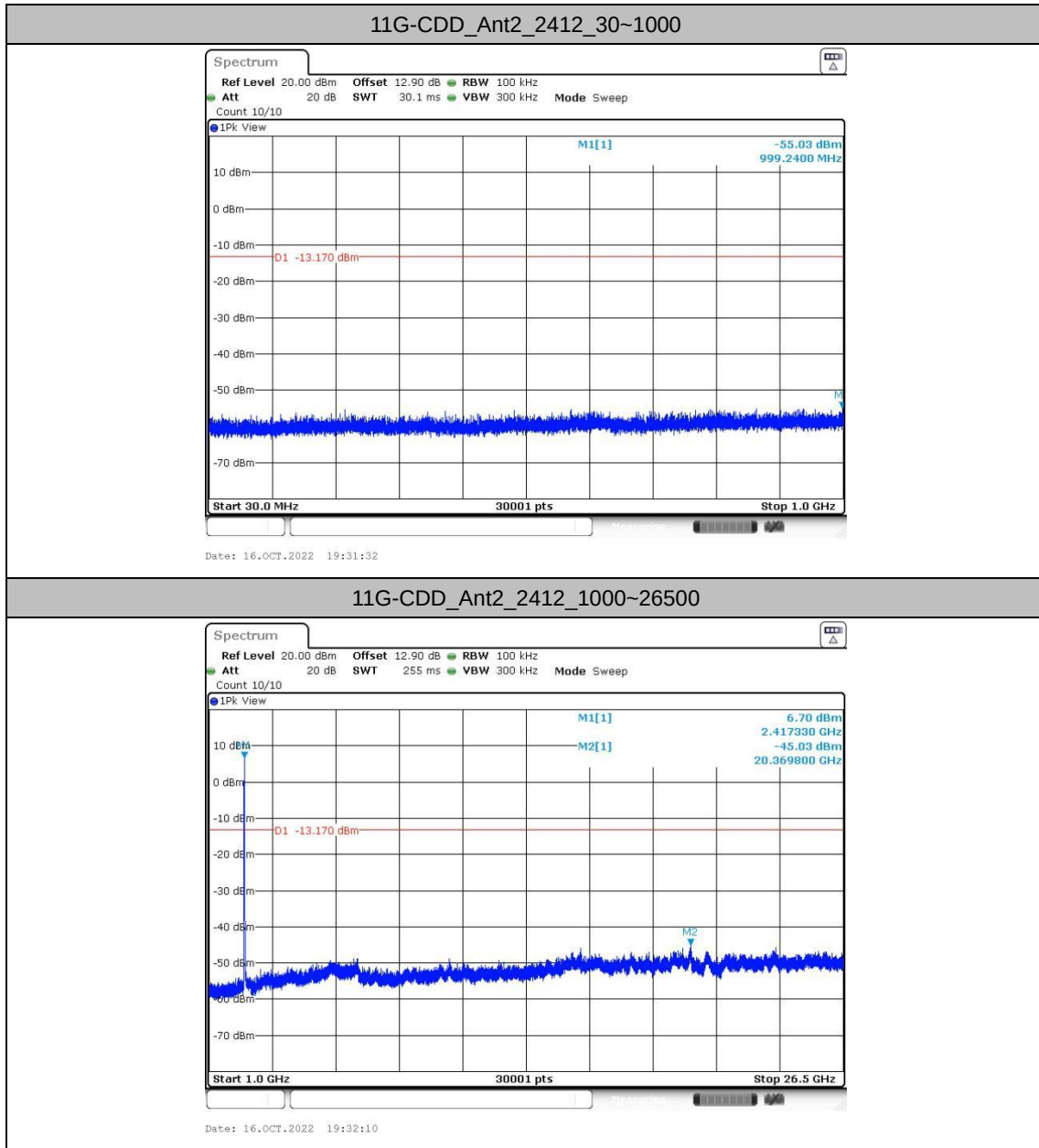
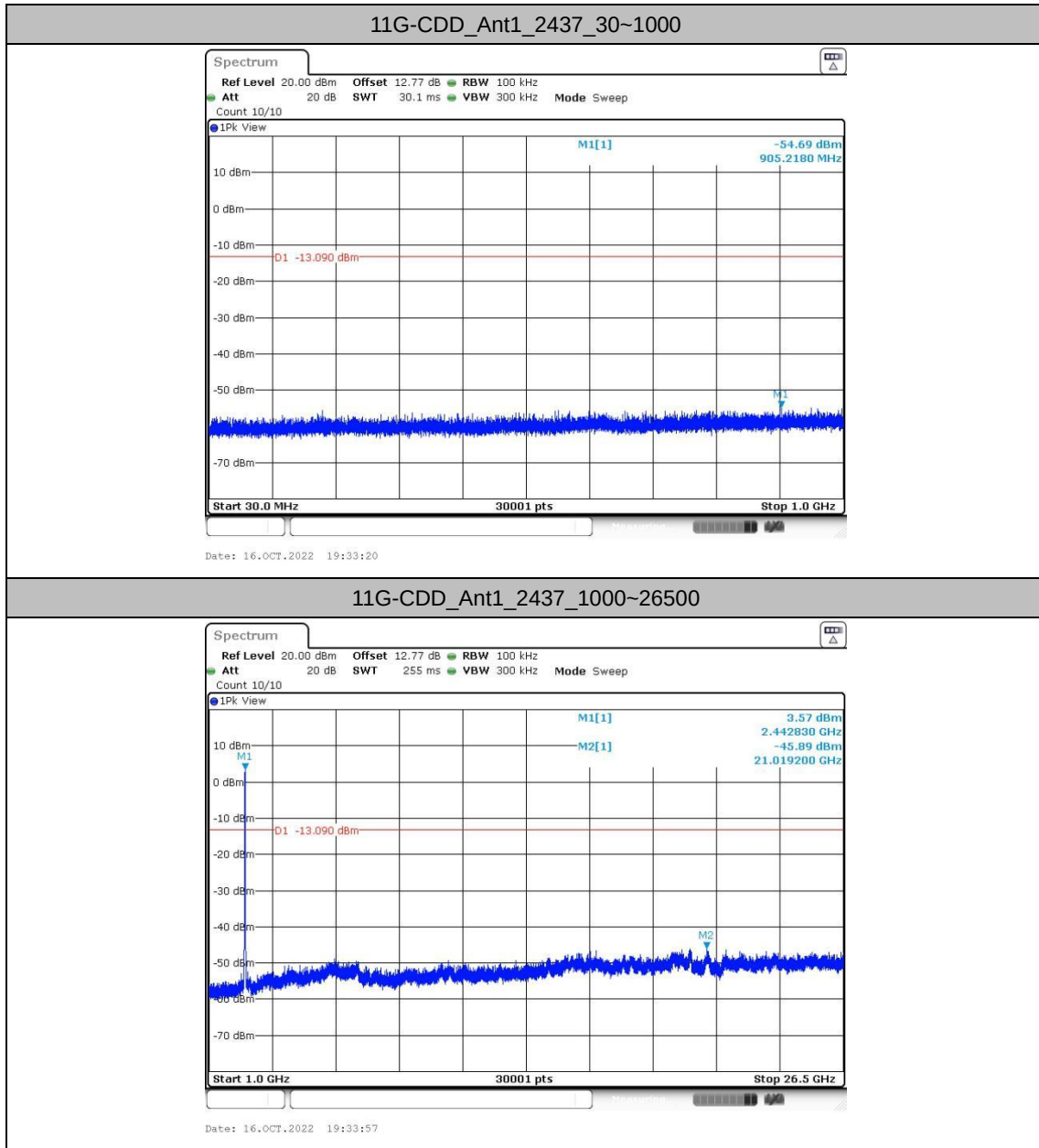
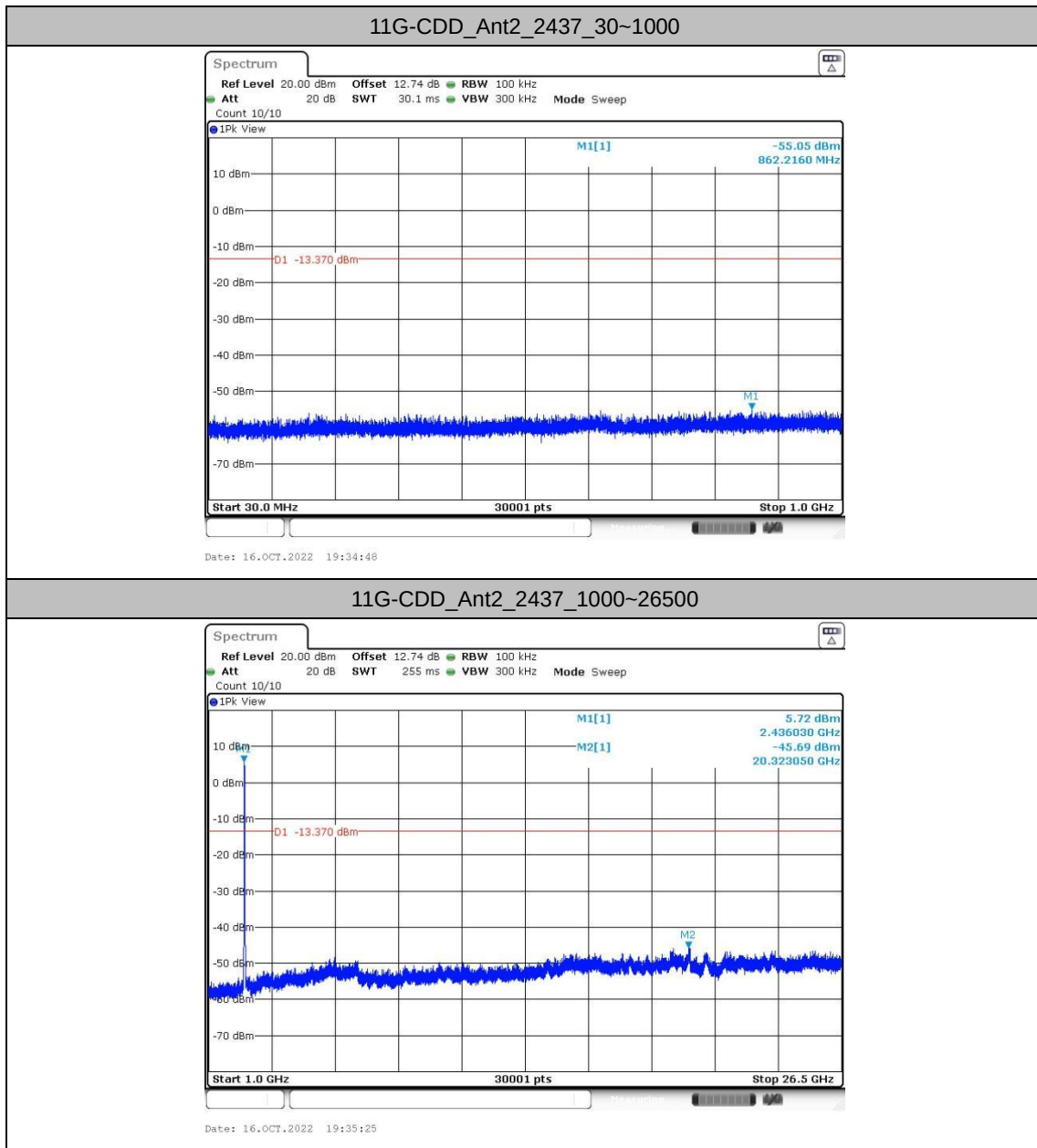


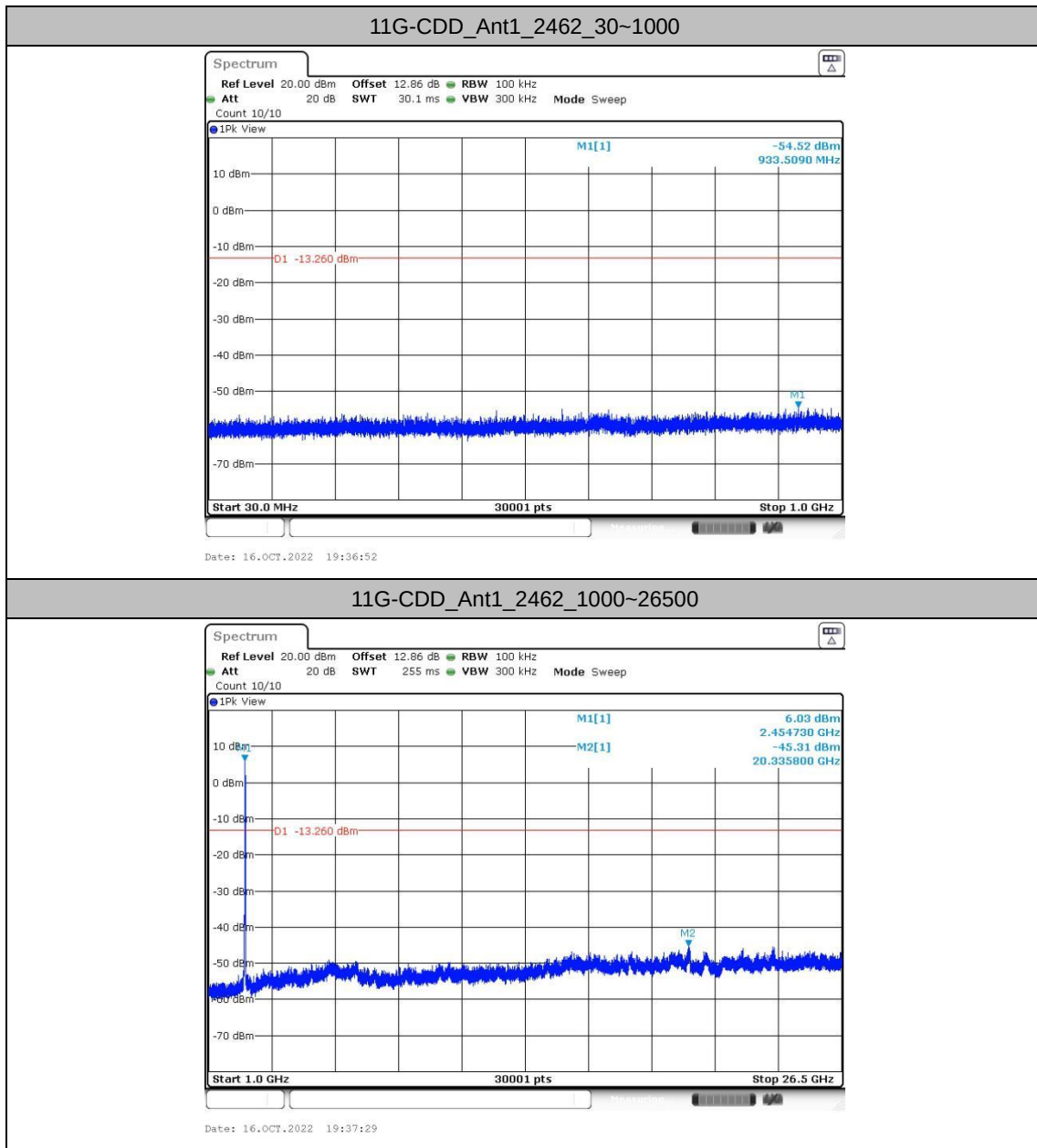


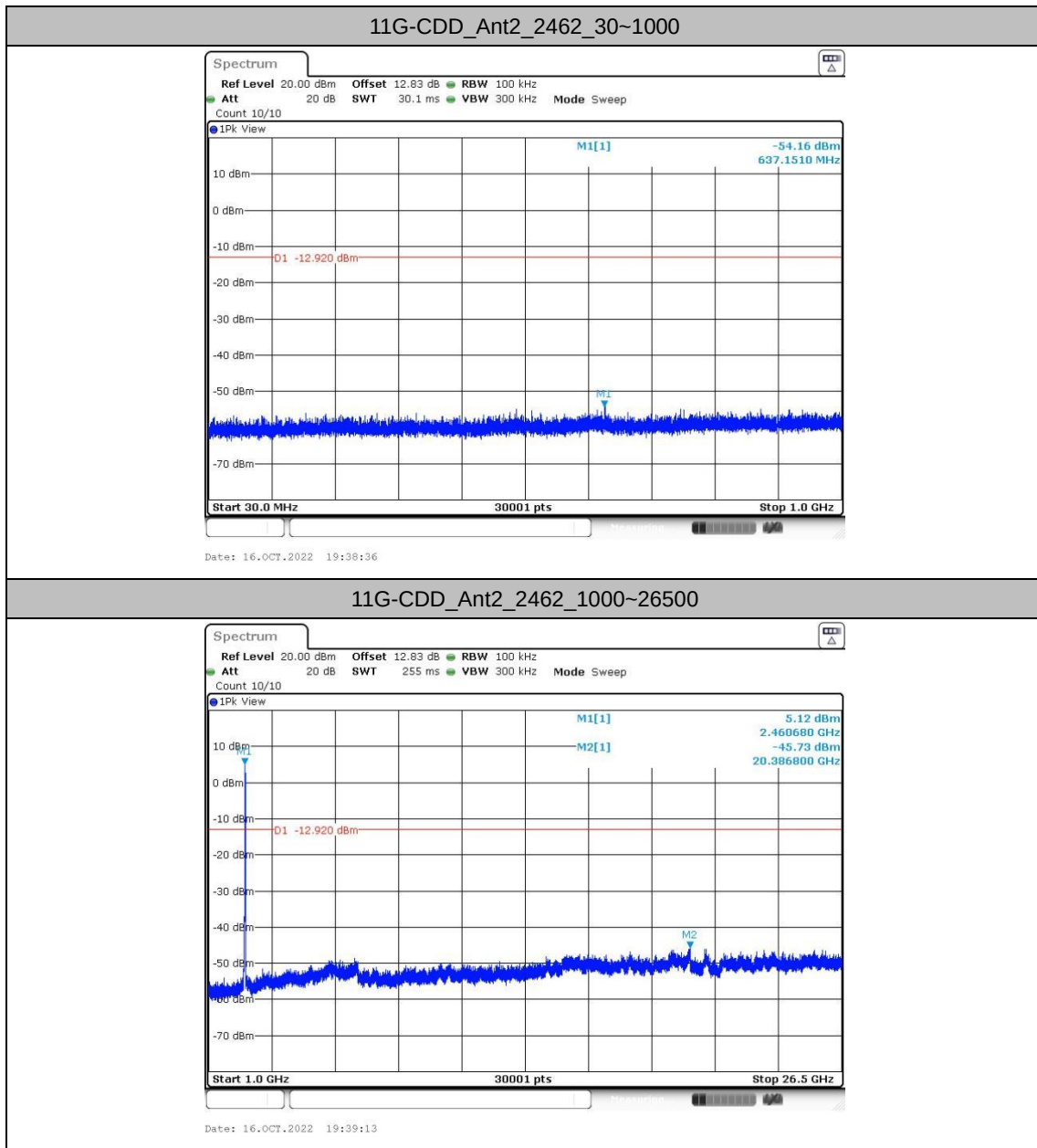


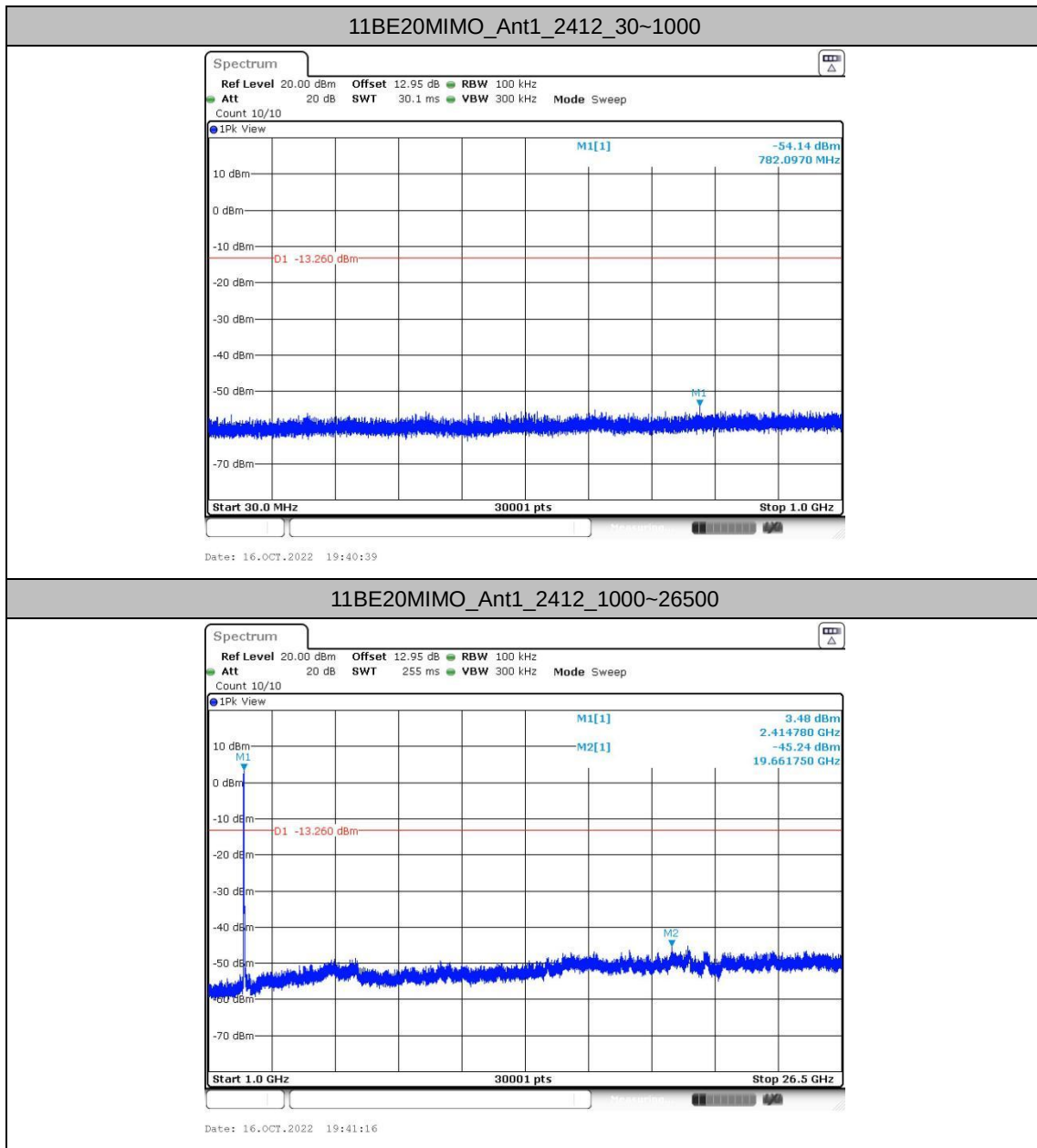


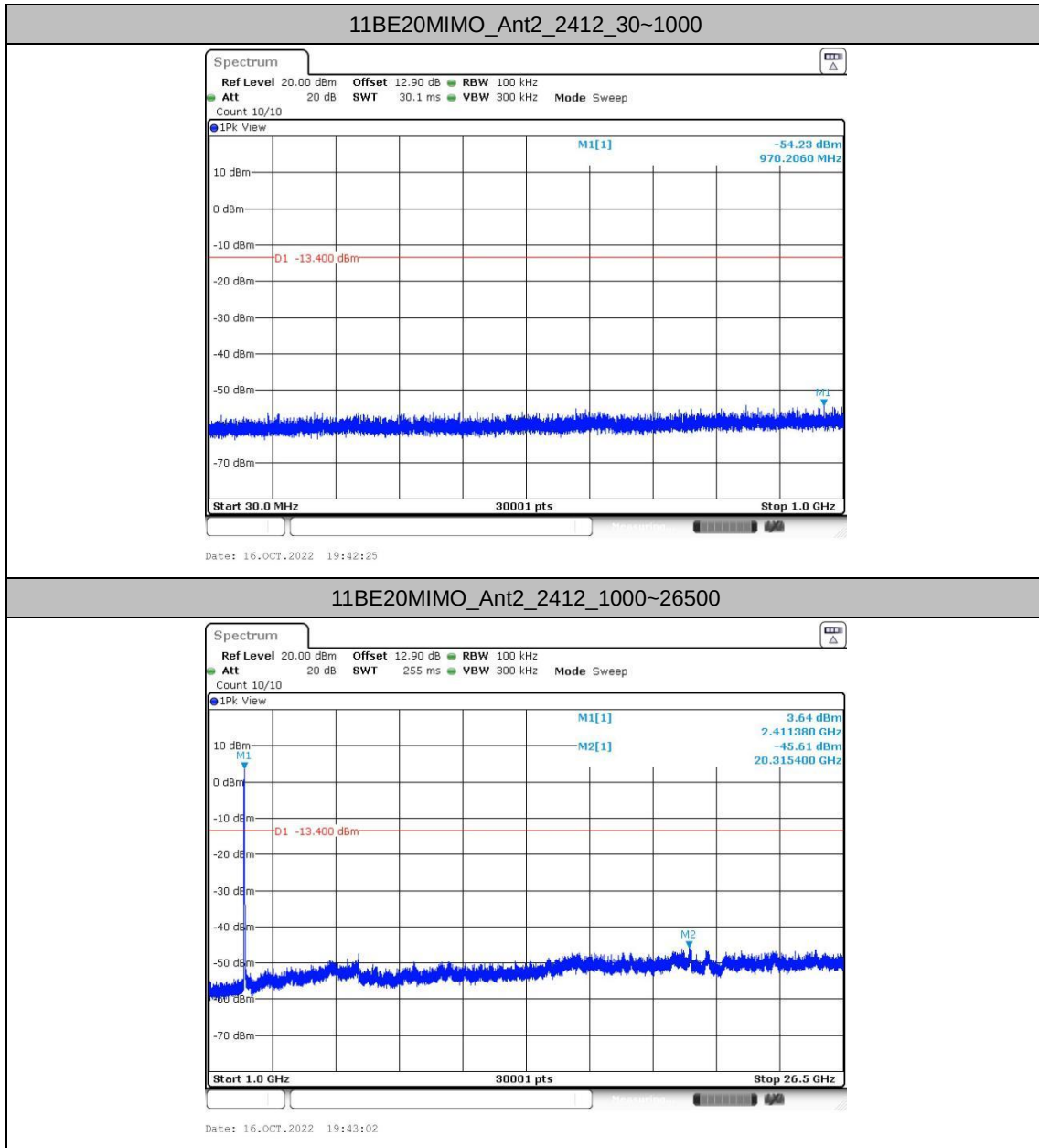


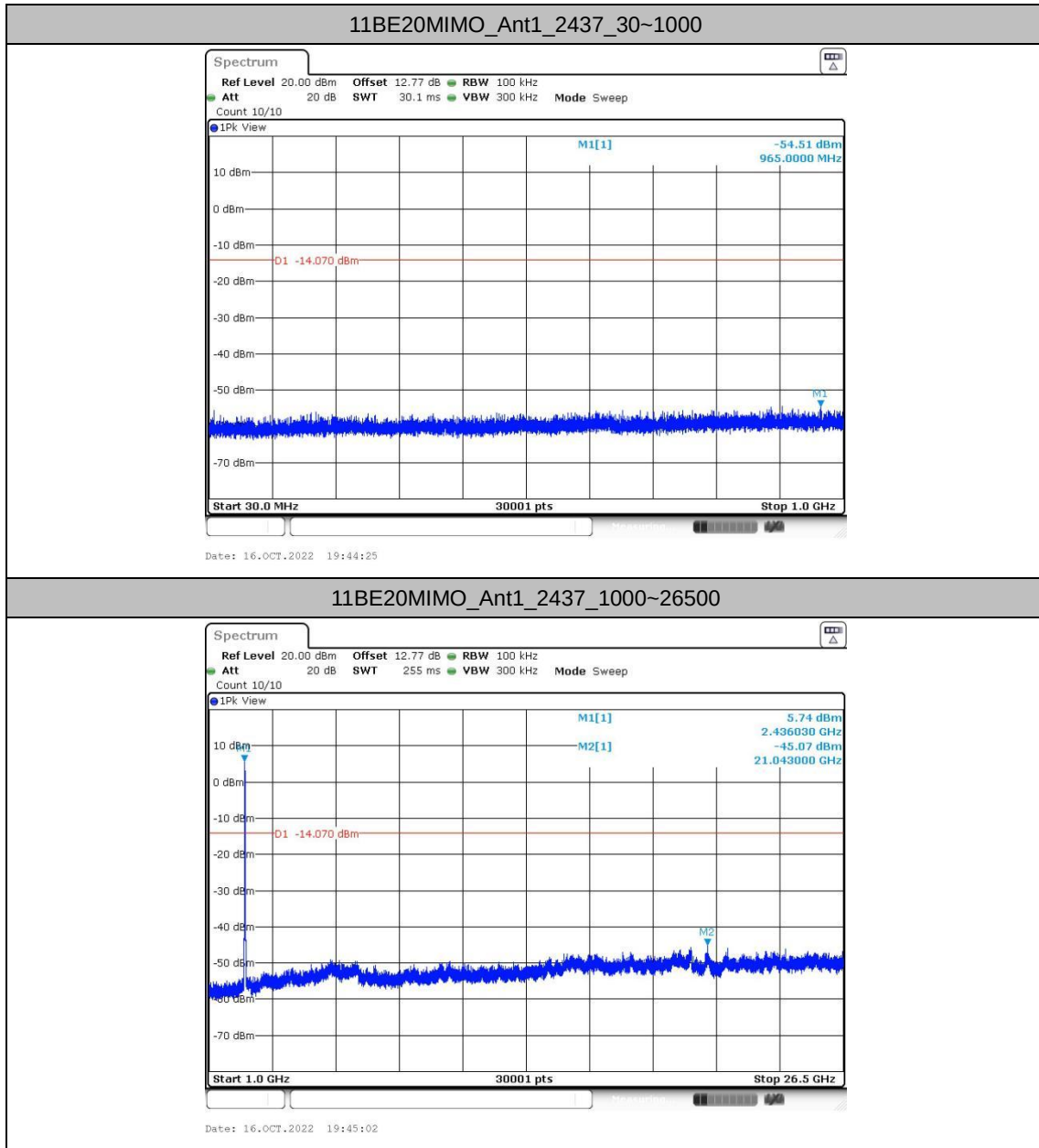


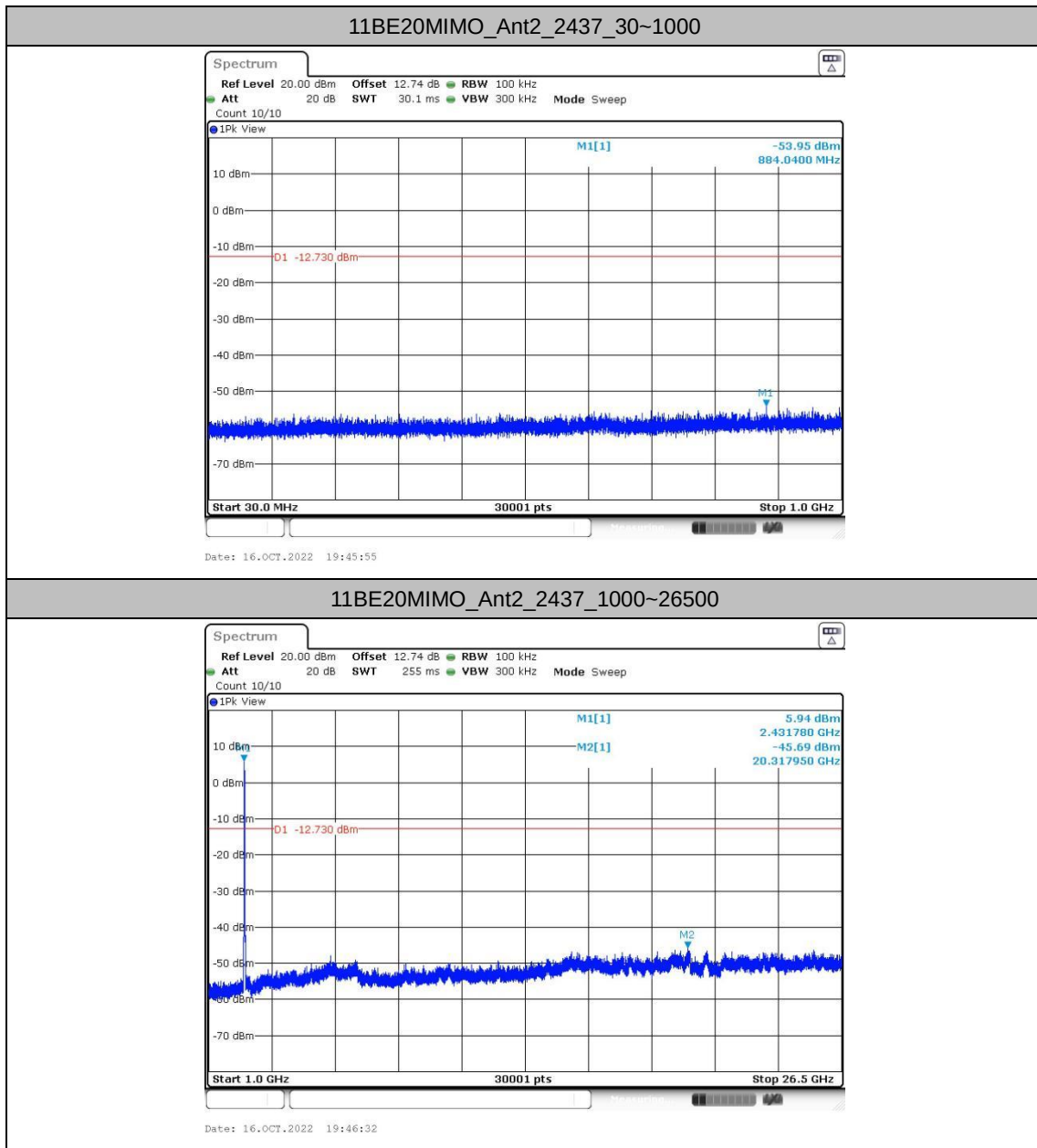


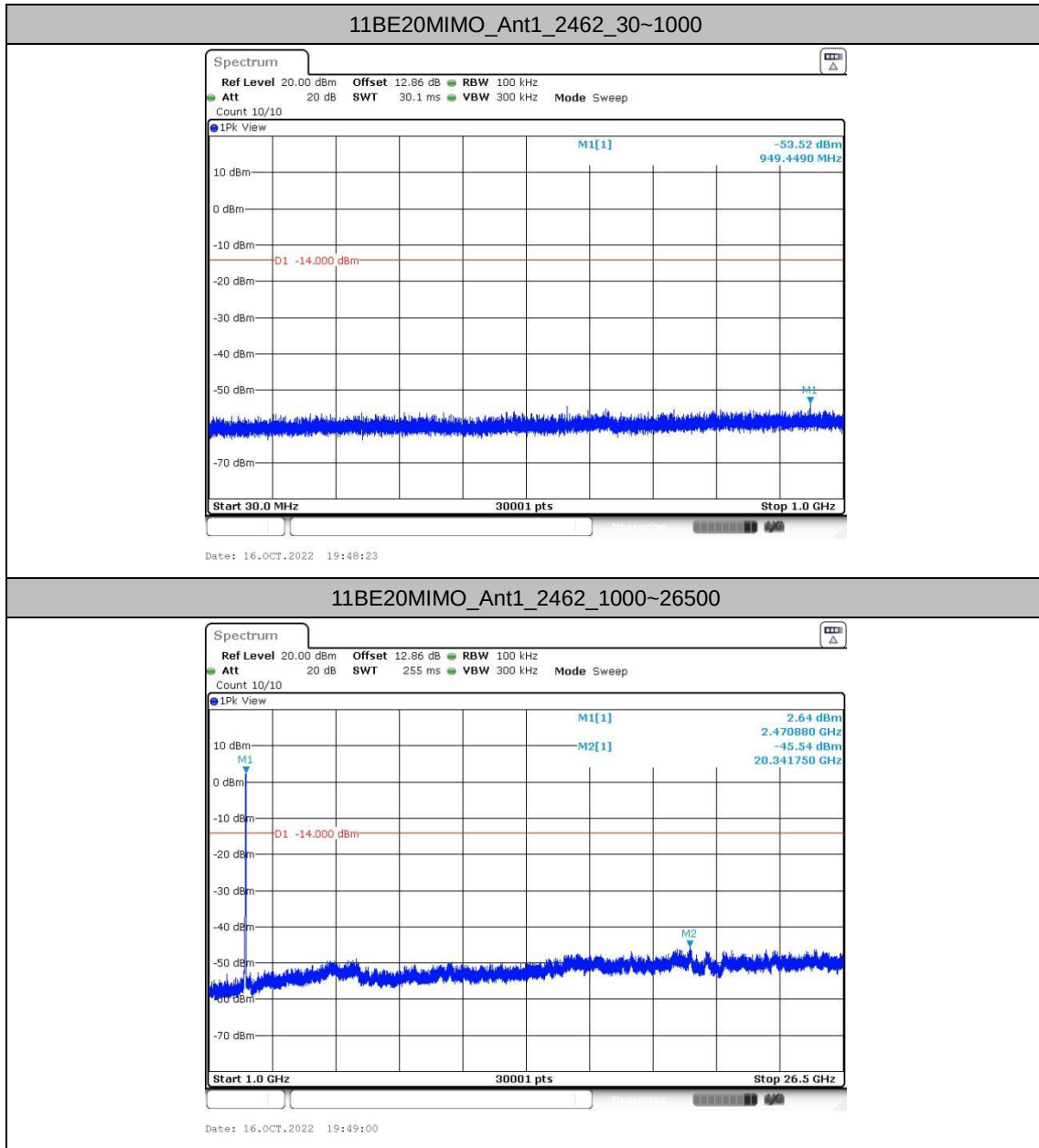


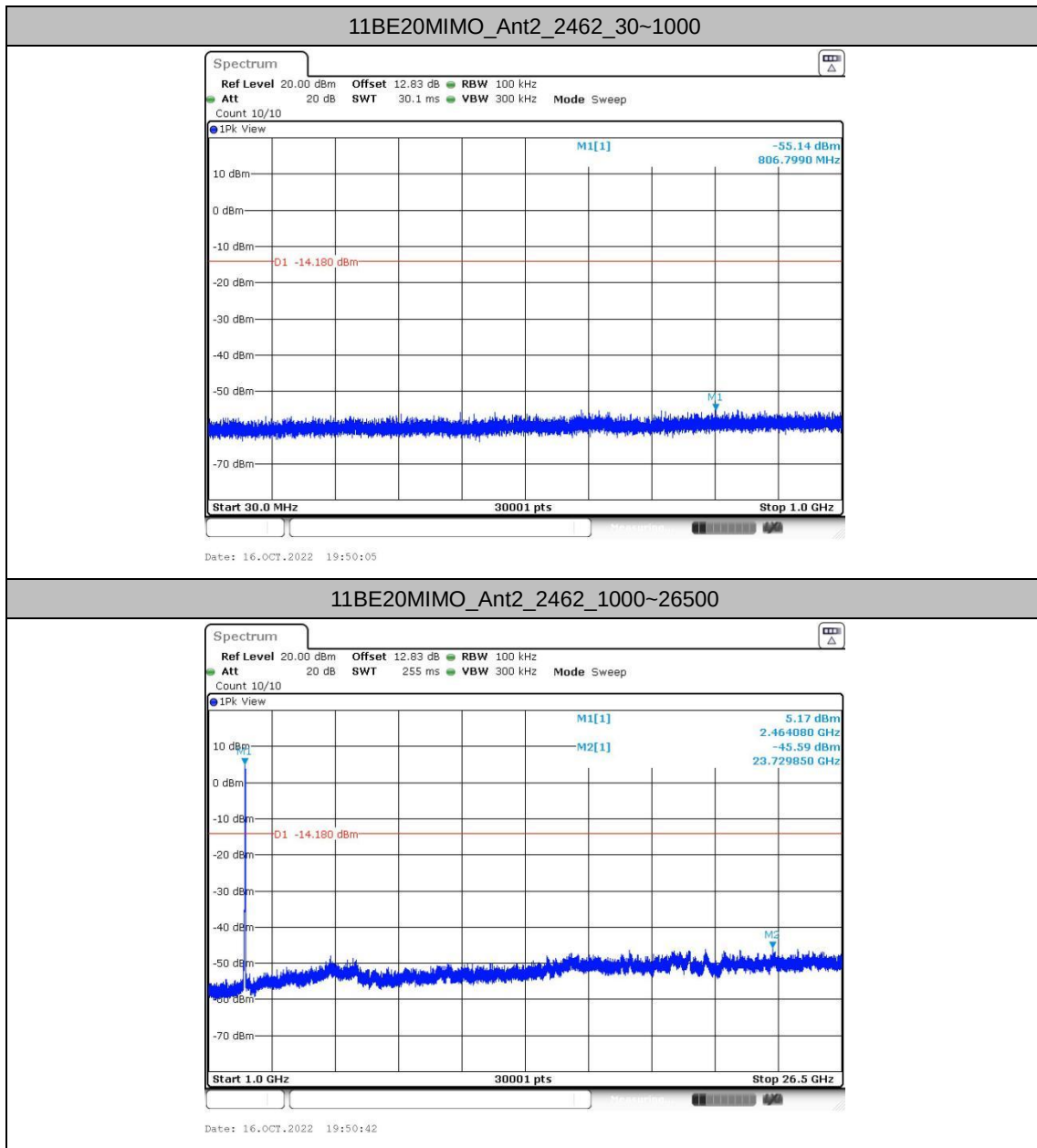


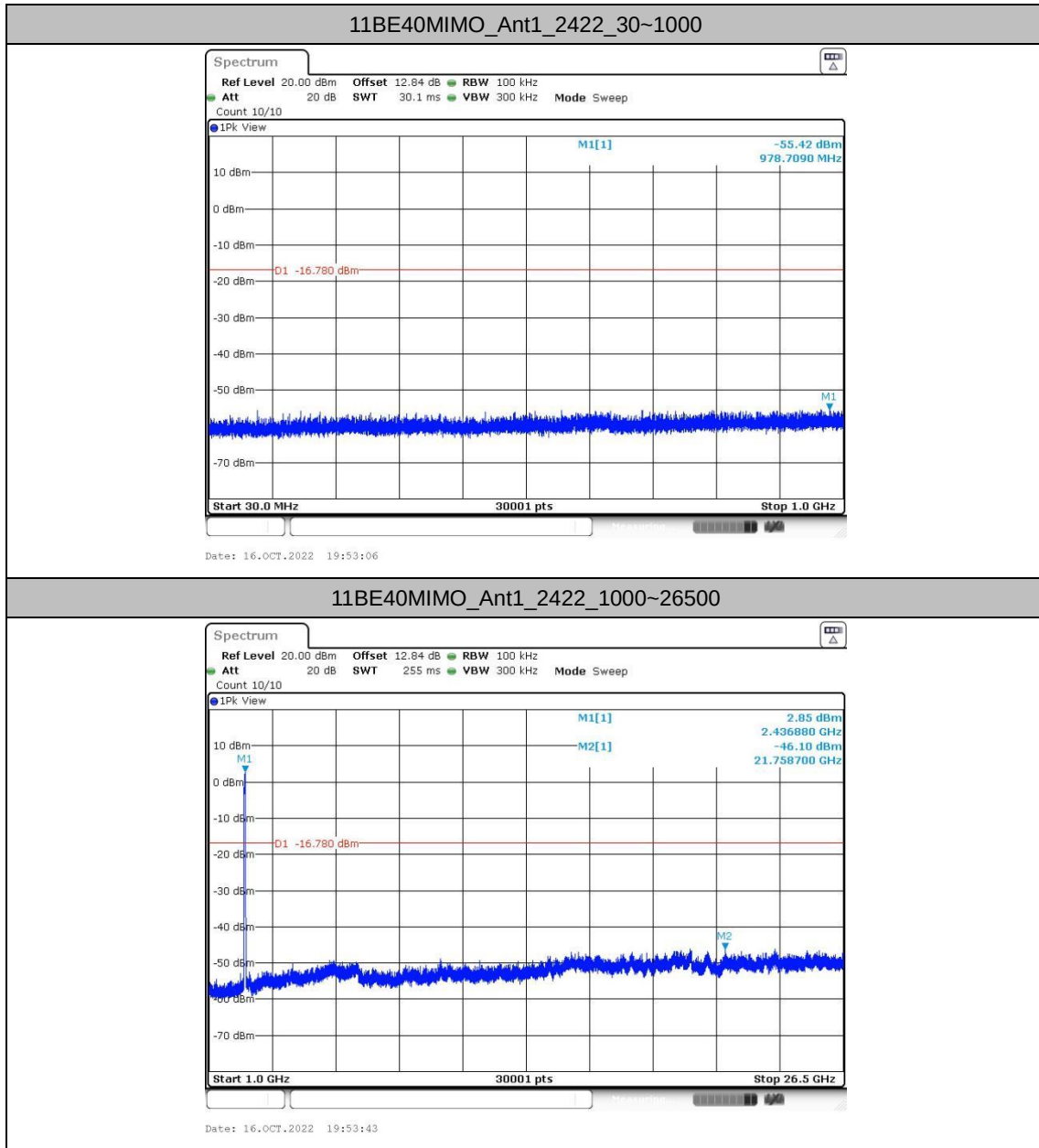


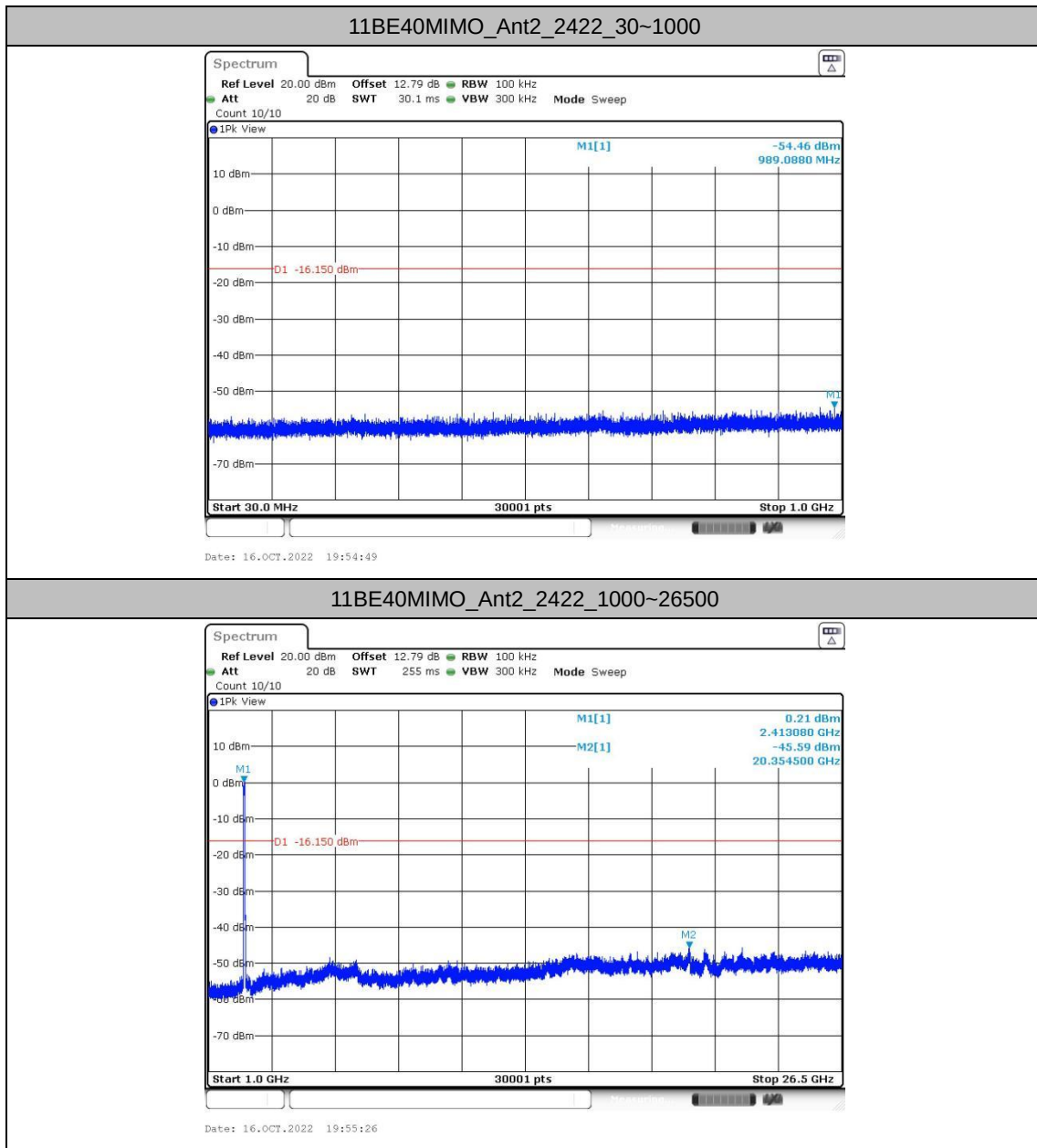


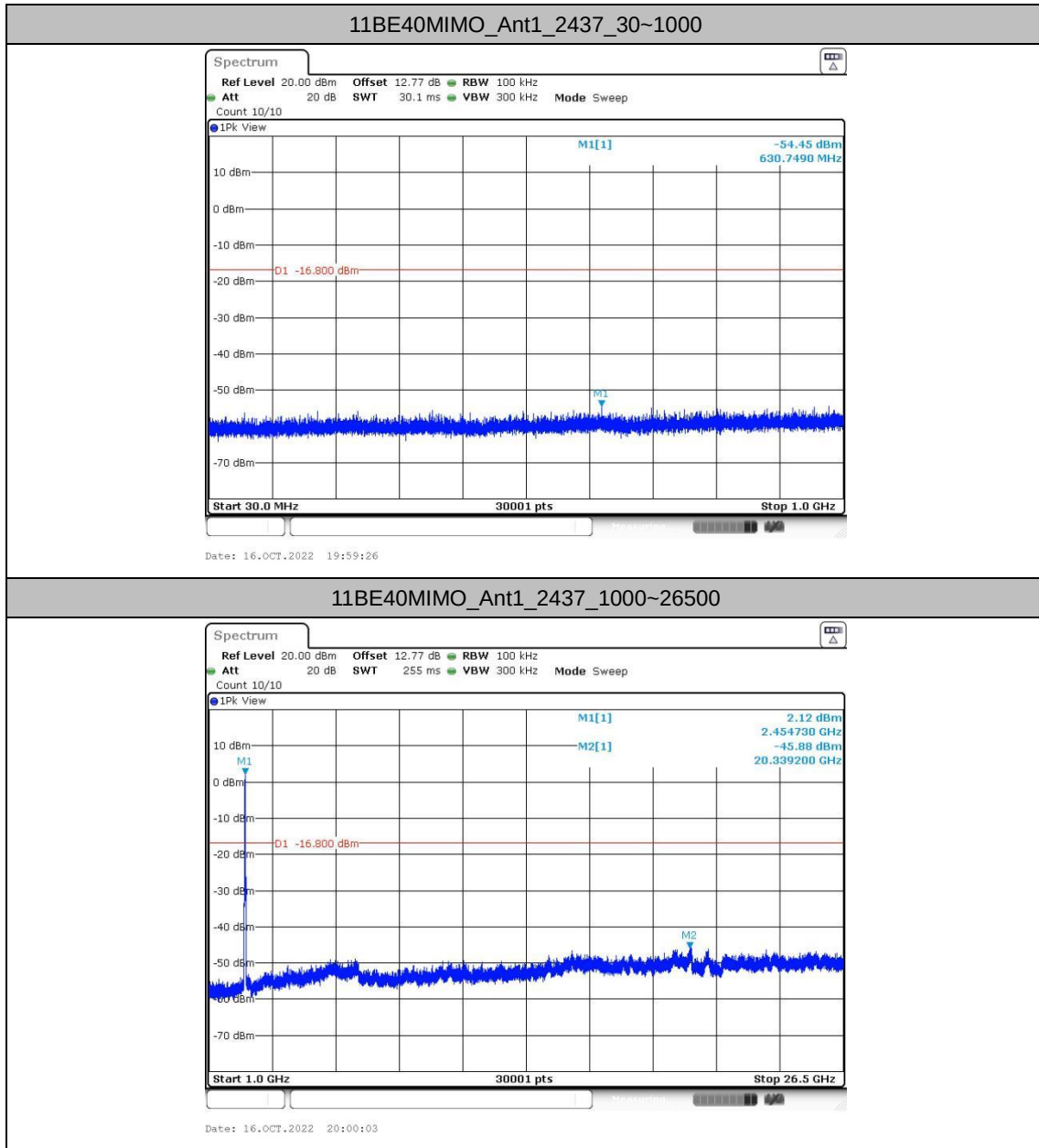


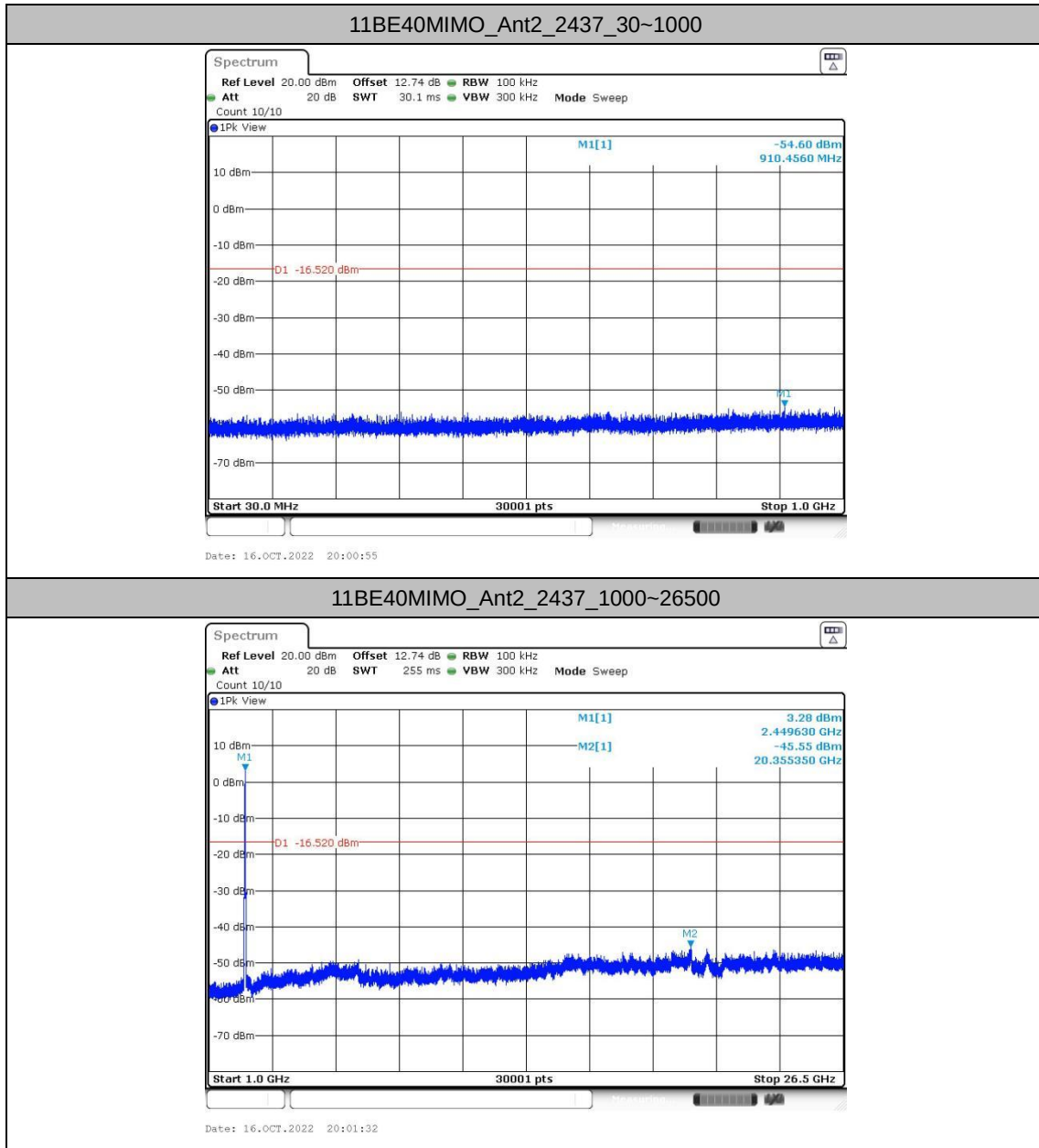


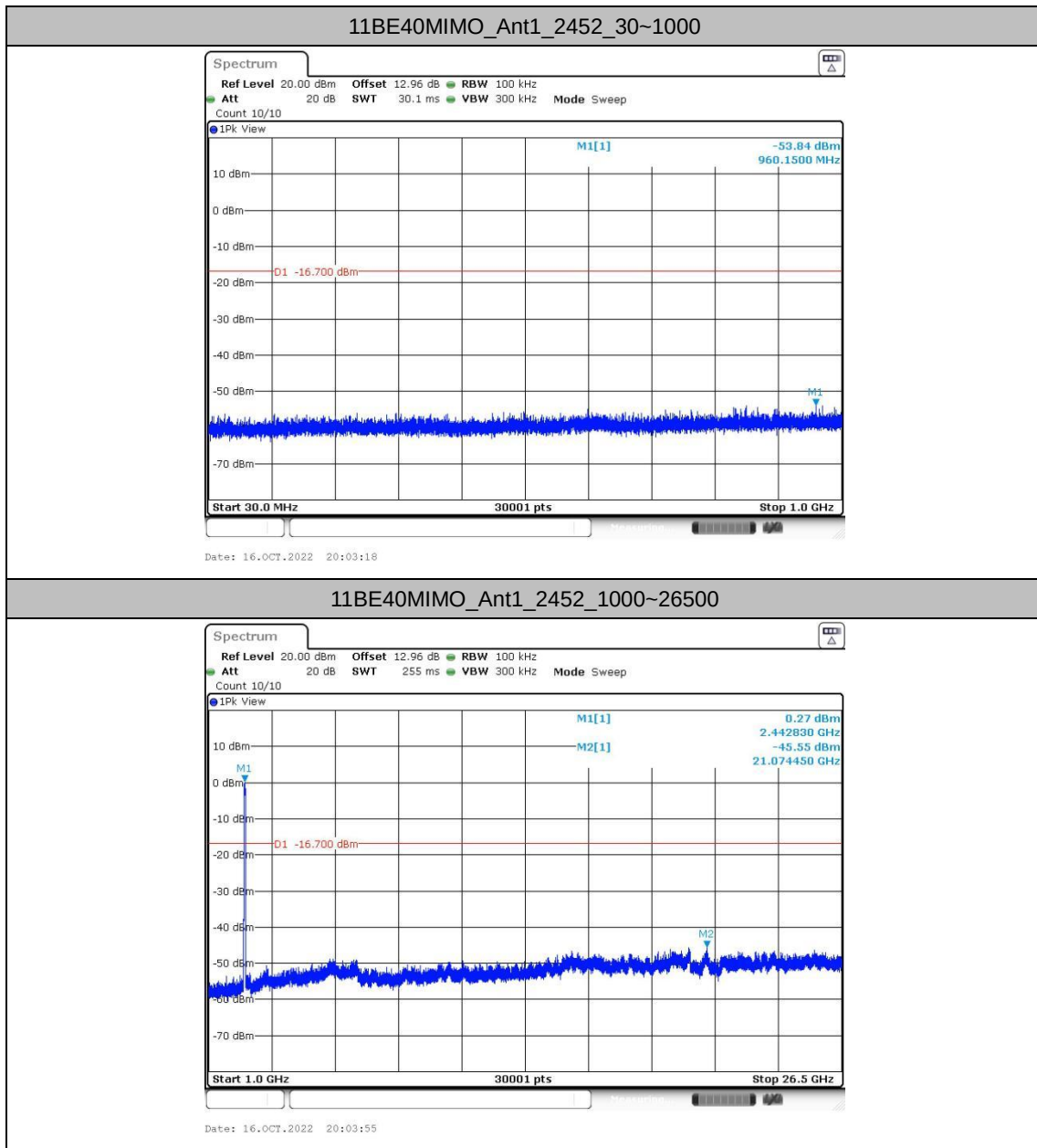


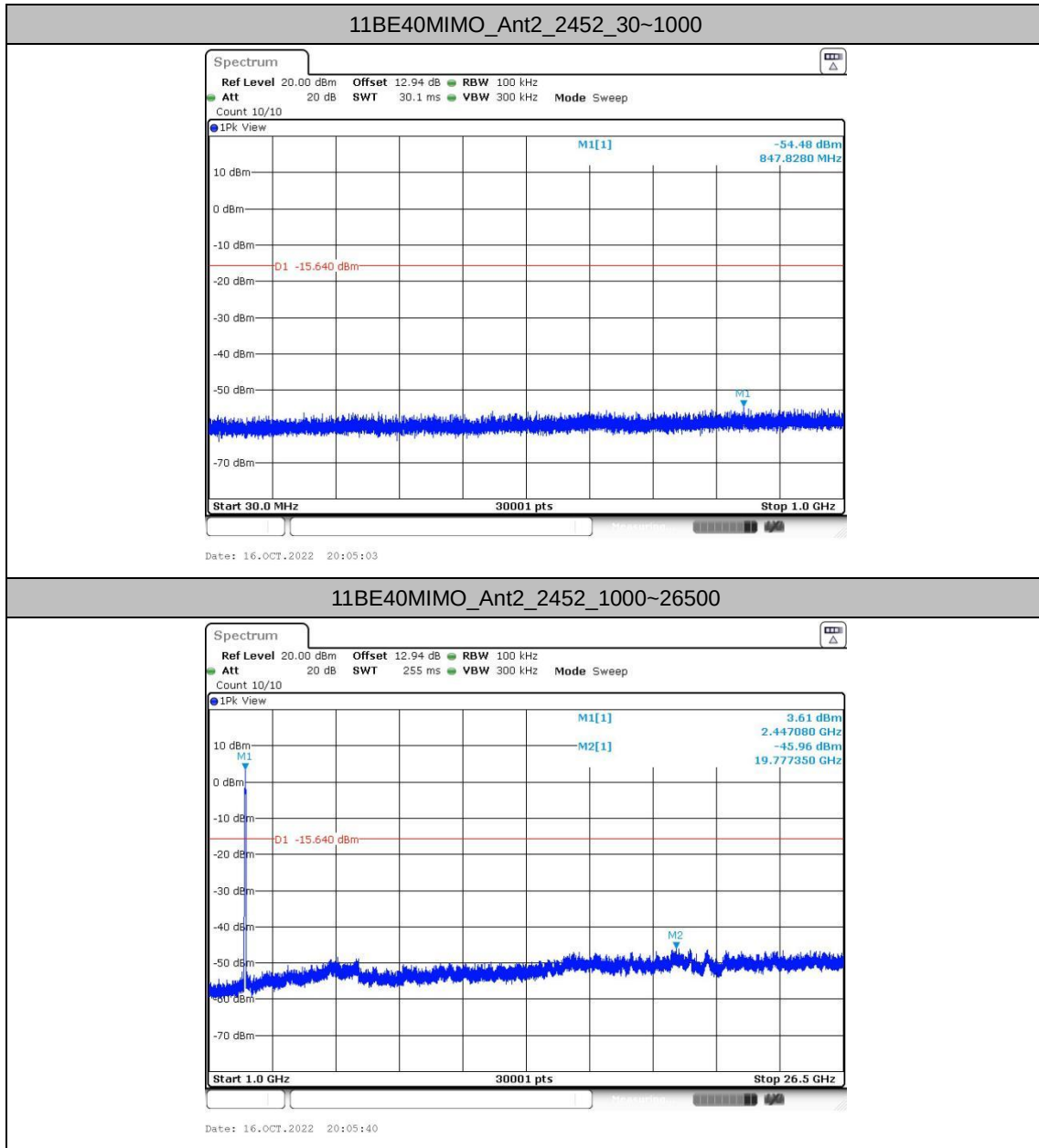














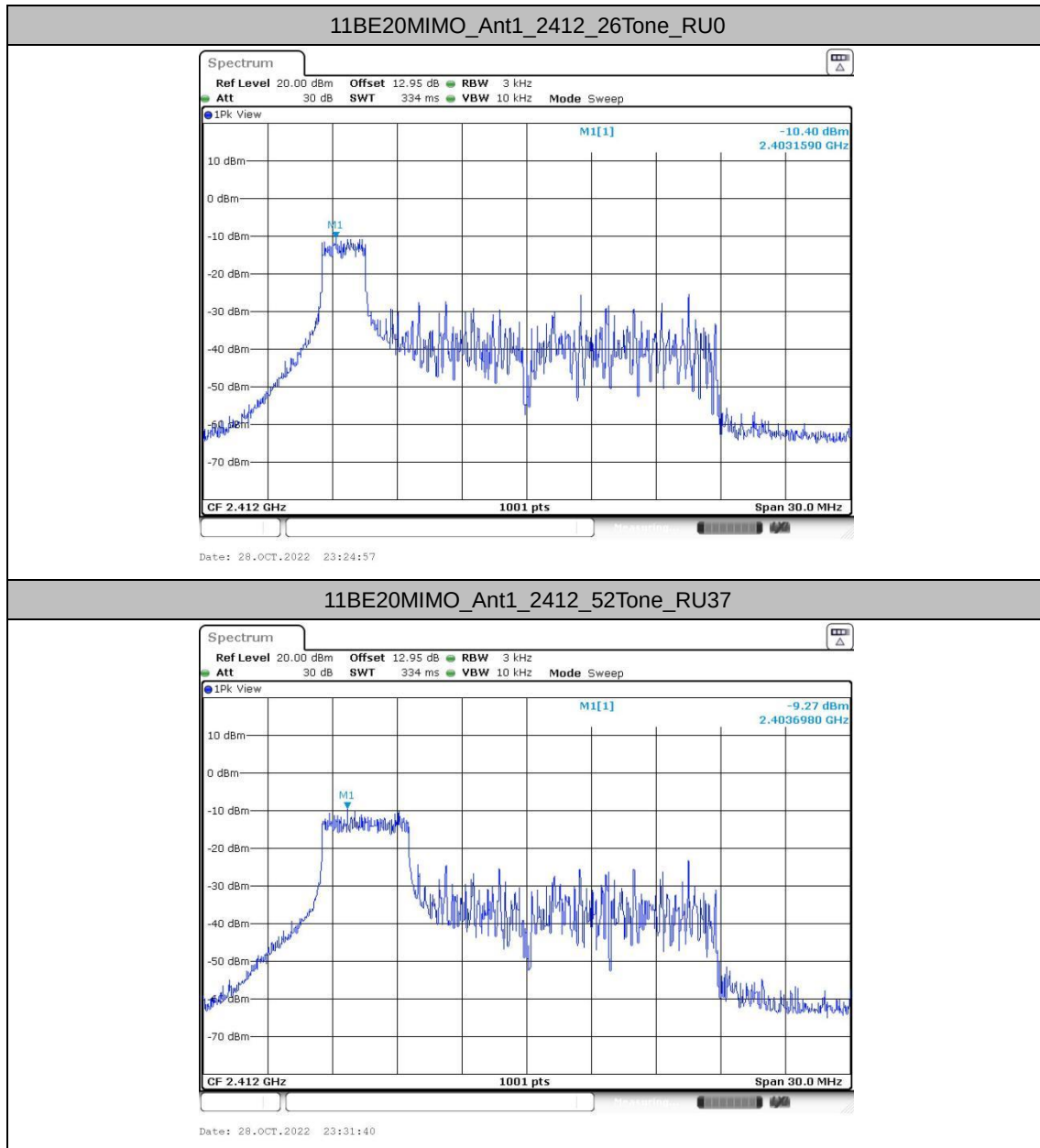
Power spectral density for Single Partial RU

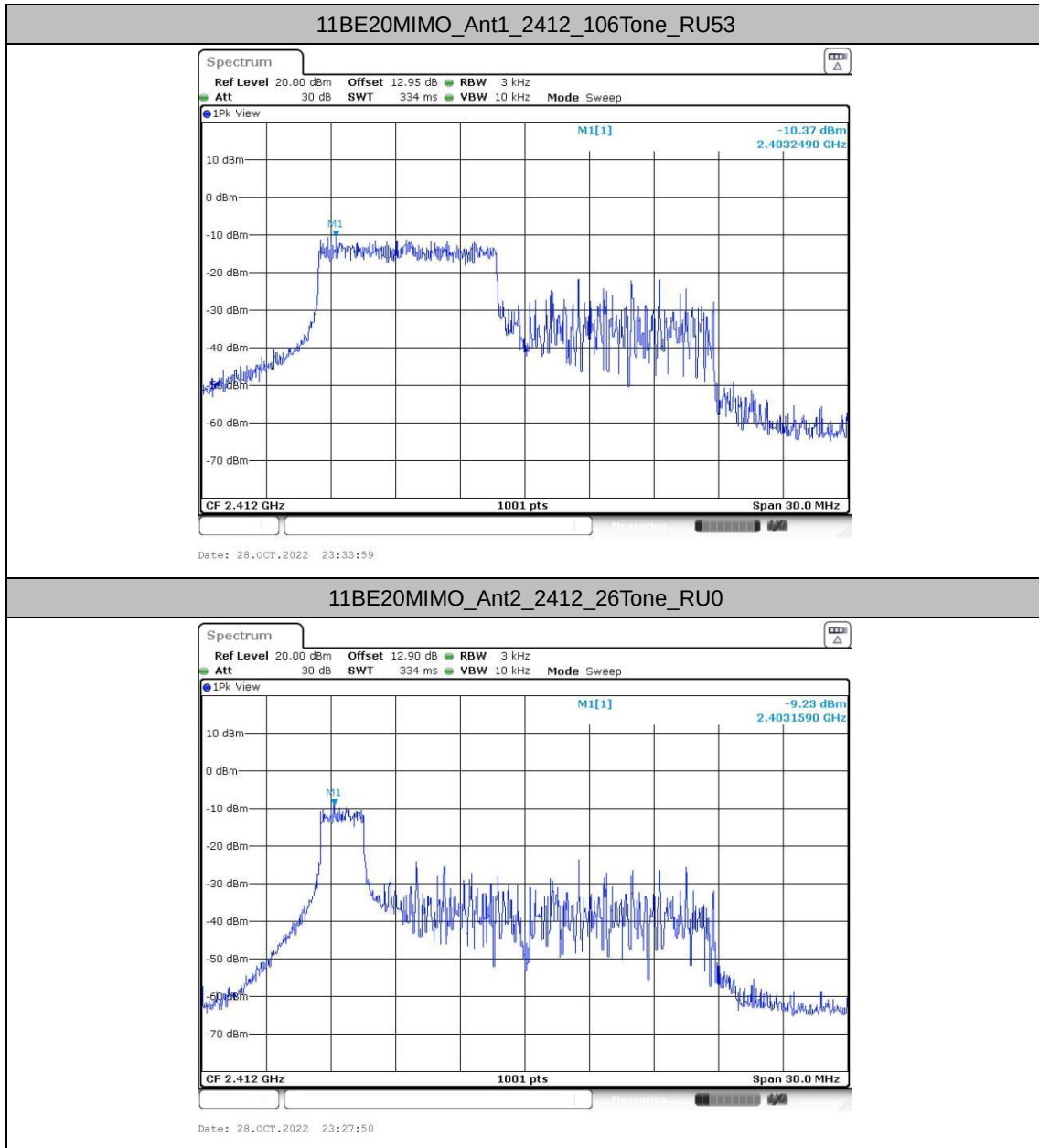
Test Result

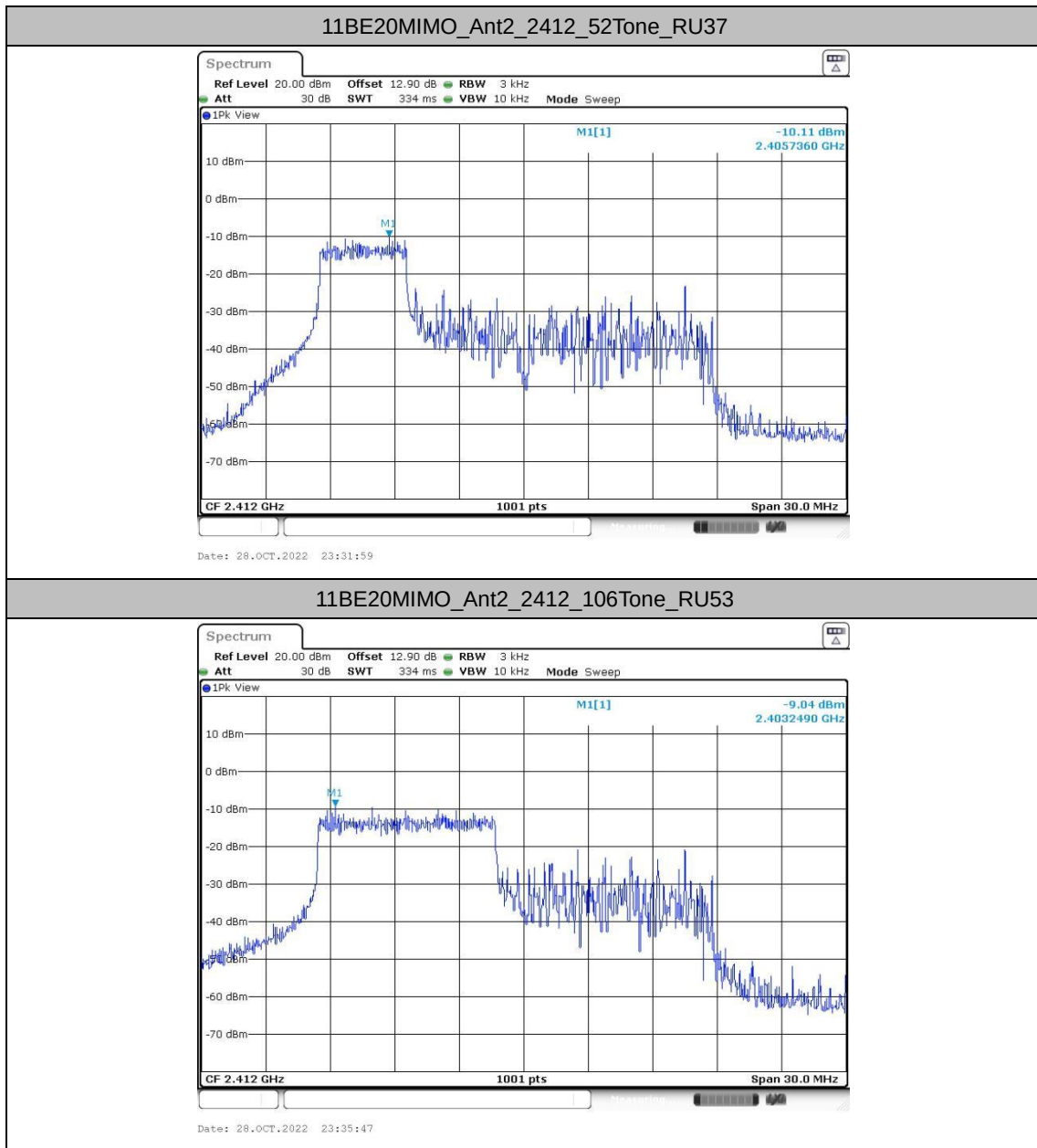
TestMode	Antenna	Freq(MHz)	RuSize	RuIndex	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11BE20MIMO	Ant1	2412	26Tone	RU0	-10.4	≤8.00	PASS
			52Tone	RU37	-9.27	≤8.00	PASS
			106Tone	RU53	-10.37	≤8.00	PASS
	Ant2	2412	26Tone	RU0	-9.23	≤8.00	PASS
			52Tone	RU37	-10.11	≤8.00	PASS
			106Tone	RU53	-9.04	≤8.00	PASS
	total	2412	26Tone	RU0	-6.77	≤8.00	PASS
			52Tone	RU37	-6.66	≤8.00	PASS
			106Tone	RU53	-6.64	≤8.00	PASS
	Ant1	2462	26Tone	RU8	-9.52	≤8.00	PASS
			52Tone	RU40	-8.13	≤8.00	PASS
			106Tone	RU54	-9.36	≤8.00	PASS
	Ant2	2462	26Tone	RU8	-8.78	≤8.00	PASS
			52Tone	RU40	-9.75	≤8.00	PASS
			106Tone	RU54	-9.22	≤8.00	PASS
	total	2462	26Tone	RU8	-6.12	≤8.00	PASS
			52Tone	RU40	-5.85	≤8.00	PASS
			106Tone	RU54	-6.28	≤8.00	PASS

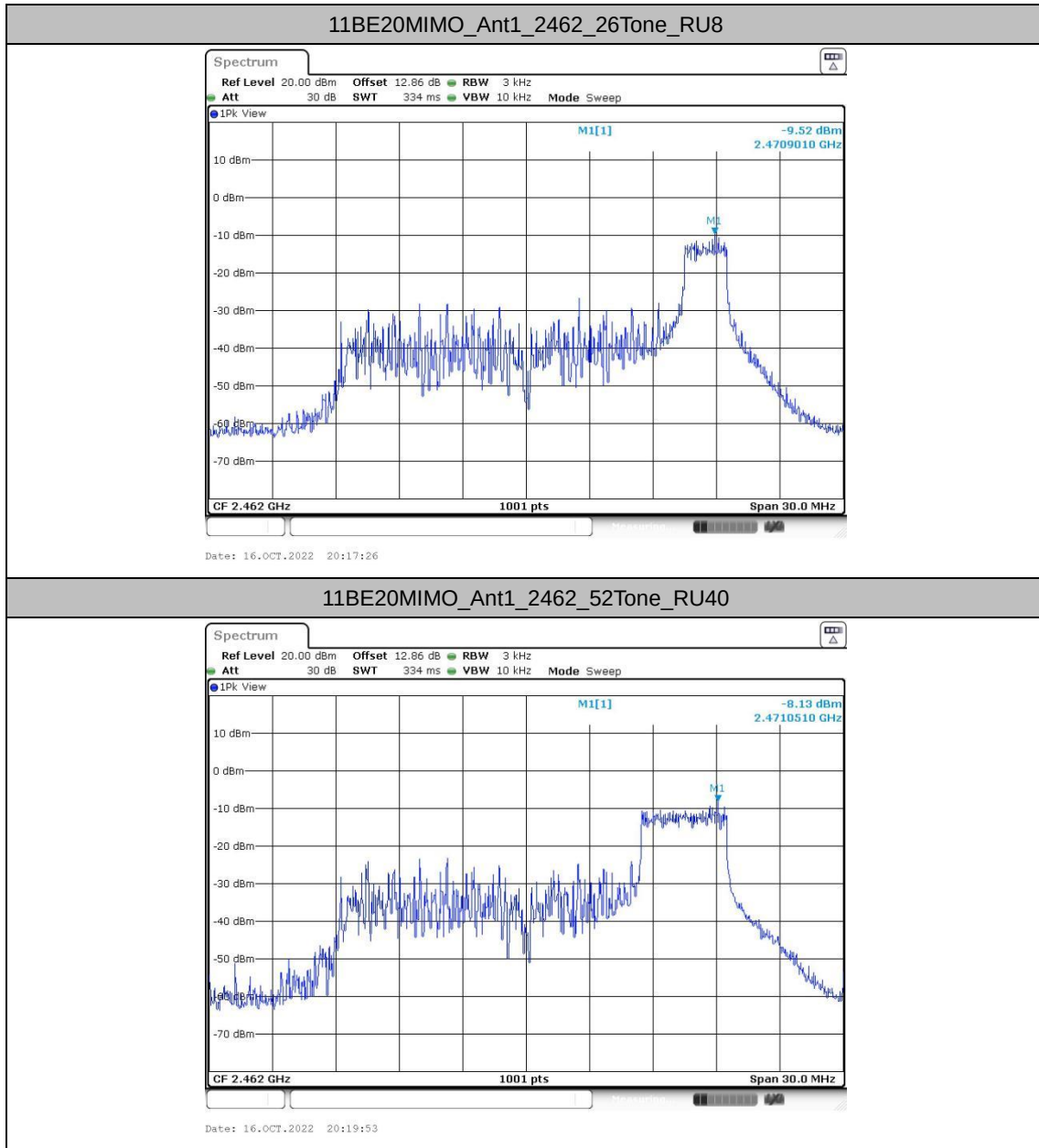


Test Graphs



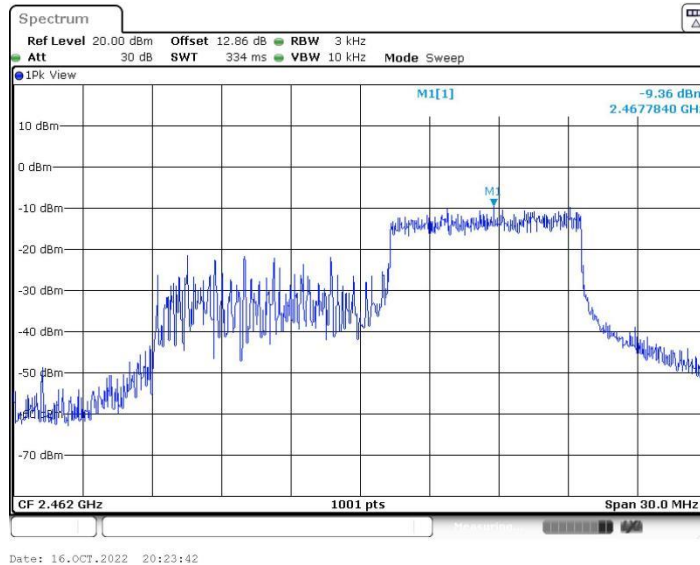




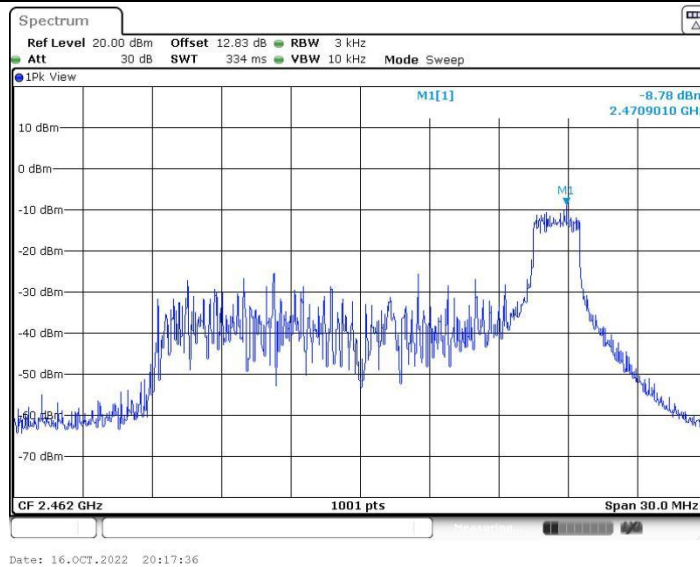




11BE20MIMO_Ant1_2462_106Tone_RU54

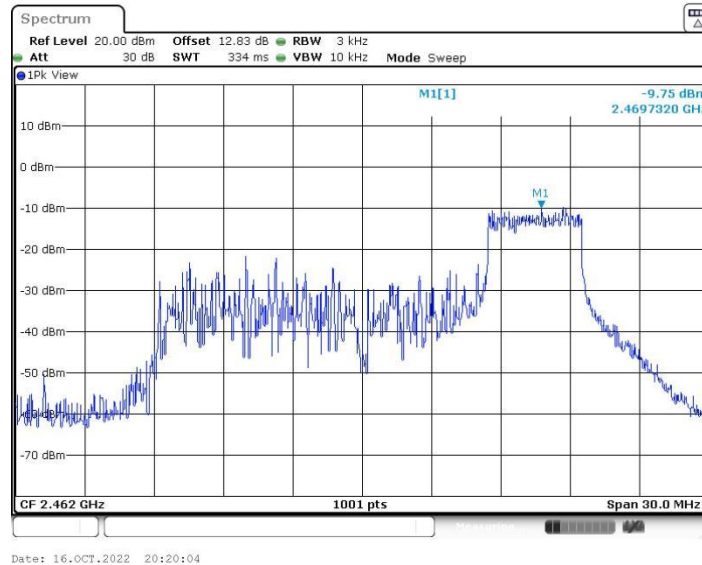


11BE20MIMO_Ant2_2462_26Tone_RU8

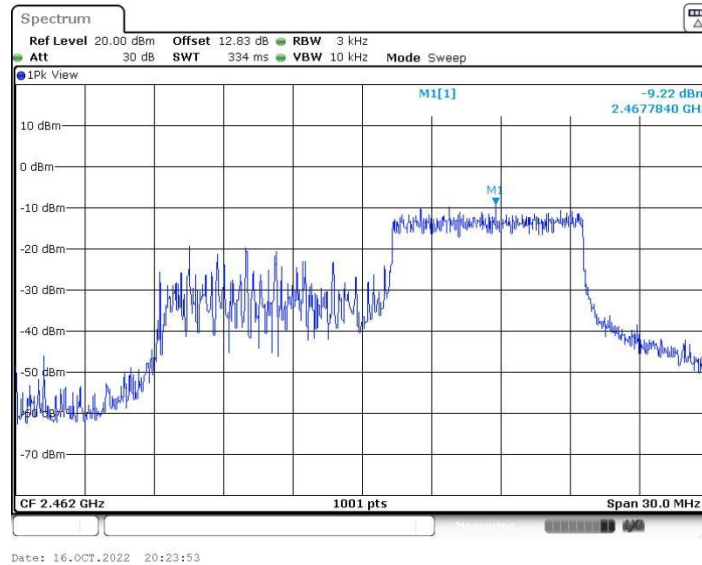




11BE20MIMO_Ant2_2462_52Tone_RU40



11BE20MIMO_Ant2_2462_106Tone_RU54





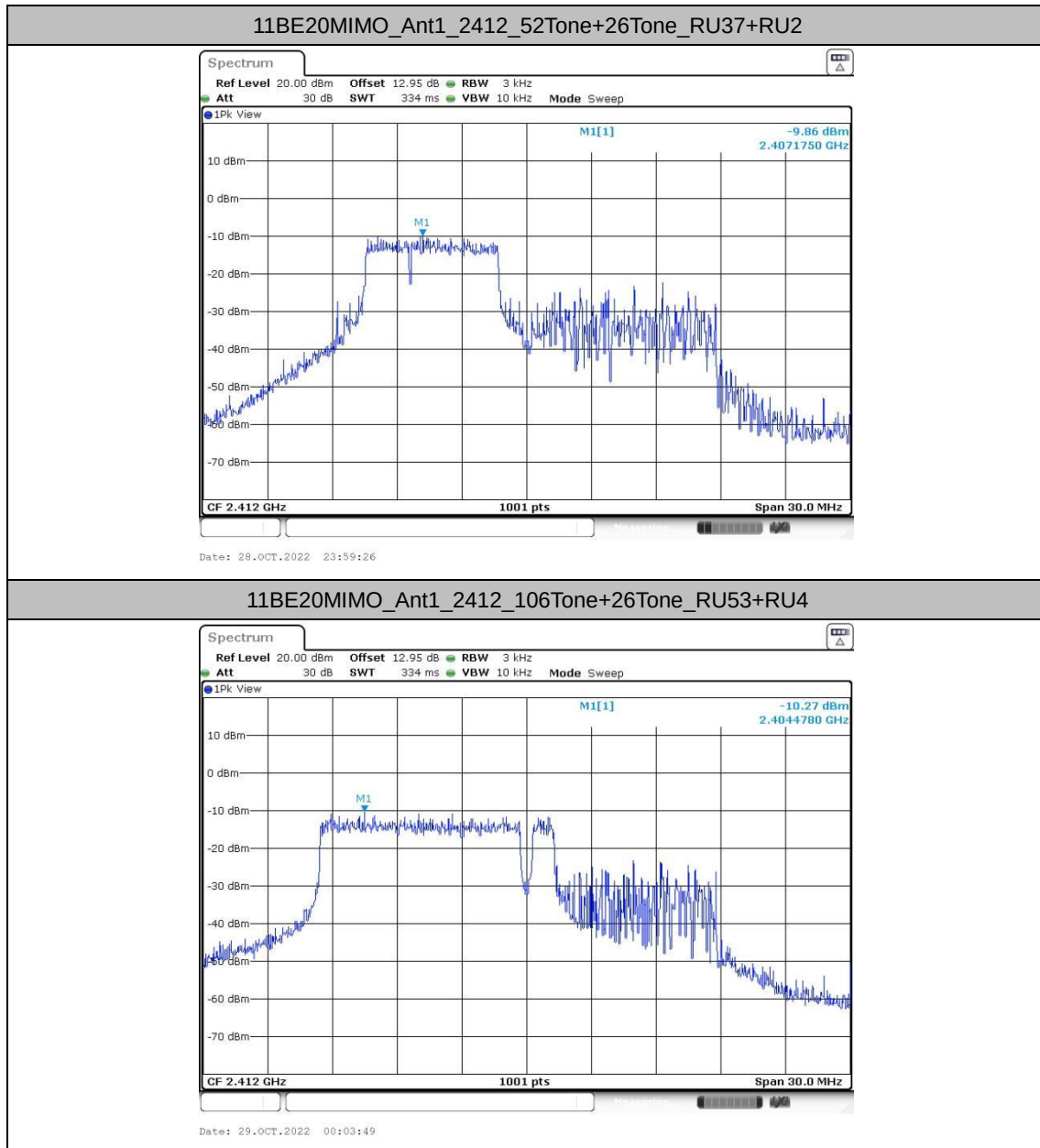
Power spectral density for Small RU

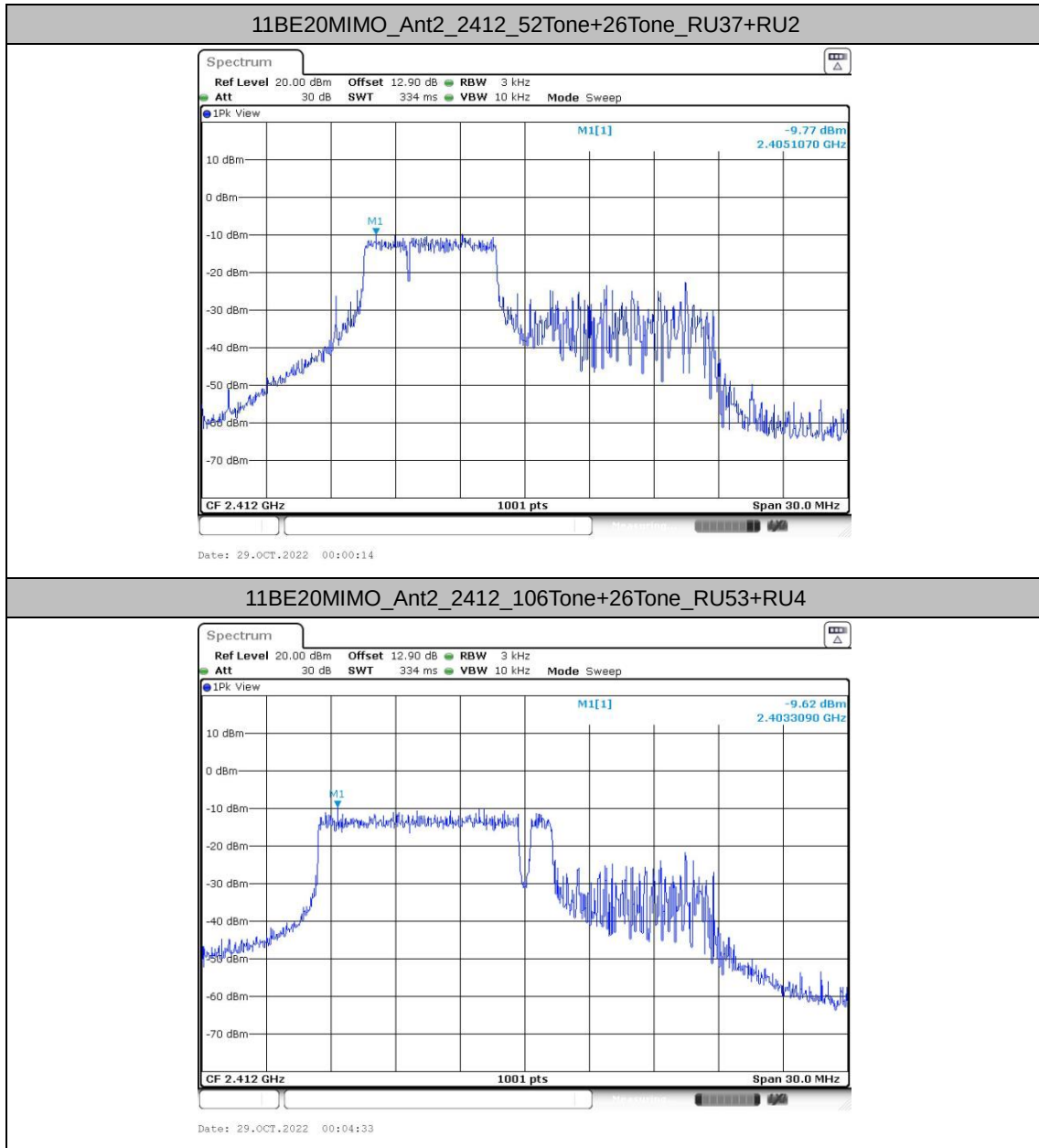
Test Result

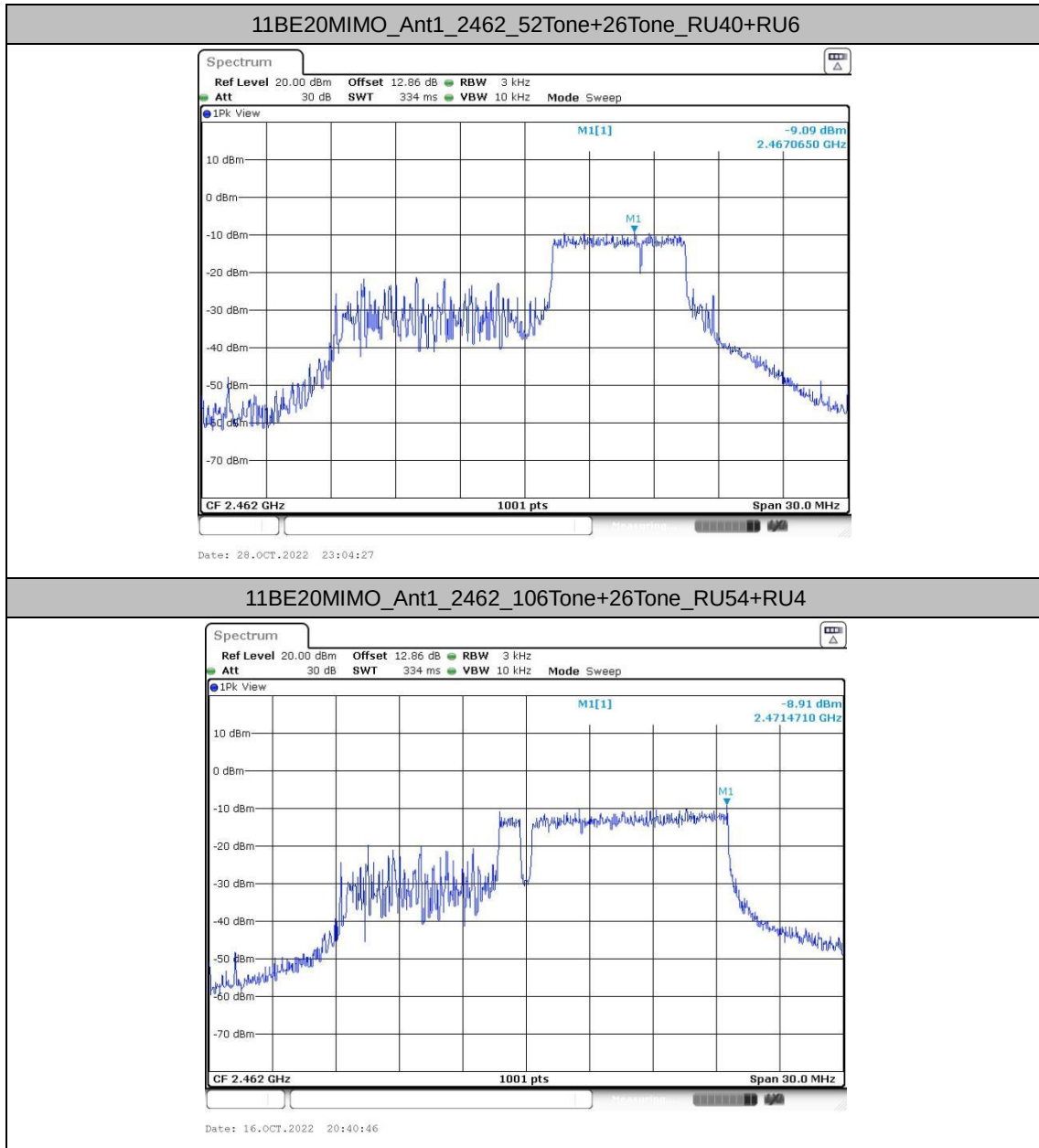
TestMode	Antenna	Freq(MHz)	RuSize	RuIndex	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11BE20 MIMO	Ant1	2412	52Tone+26Tone	RU37+RU2	-9.86	≤8.00	PASS
			106Tone+26Tone	RU53+RU4	-10.27	≤8.00	PASS
	Ant2	2412	52Tone+26Tone	RU37+RU2	-9.77	≤8.00	PASS
			106Tone+26Tone	RU53+RU4	-9.62	≤8.00	PASS
	total	2412	52Tone+26Tone	RU37+RU2	-6.8	≤8.00	PASS
			106Tone+26Tone	RU53+RU4	-6.92	≤8.00	PASS
	Ant1	2462	52Tone+26Tone	RU40+RU6	-9.09	≤8.00	PASS
			106Tone+26Tone	RU54+RU4	-8.91	≤8.00	PASS
	Ant2	2462	52Tone+26Tone	RU40+RU6	-9.14	≤8.00	PASS
			106Tone+26Tone	RU54+RU4	-9.43	≤8.00	PASS
	total	2462	52Tone+26Tone	RU40+RU6	-6.10	≤8.00	PASS
			106Tone+26Tone	RU54+RU4	-6.15	≤8.00	PASS

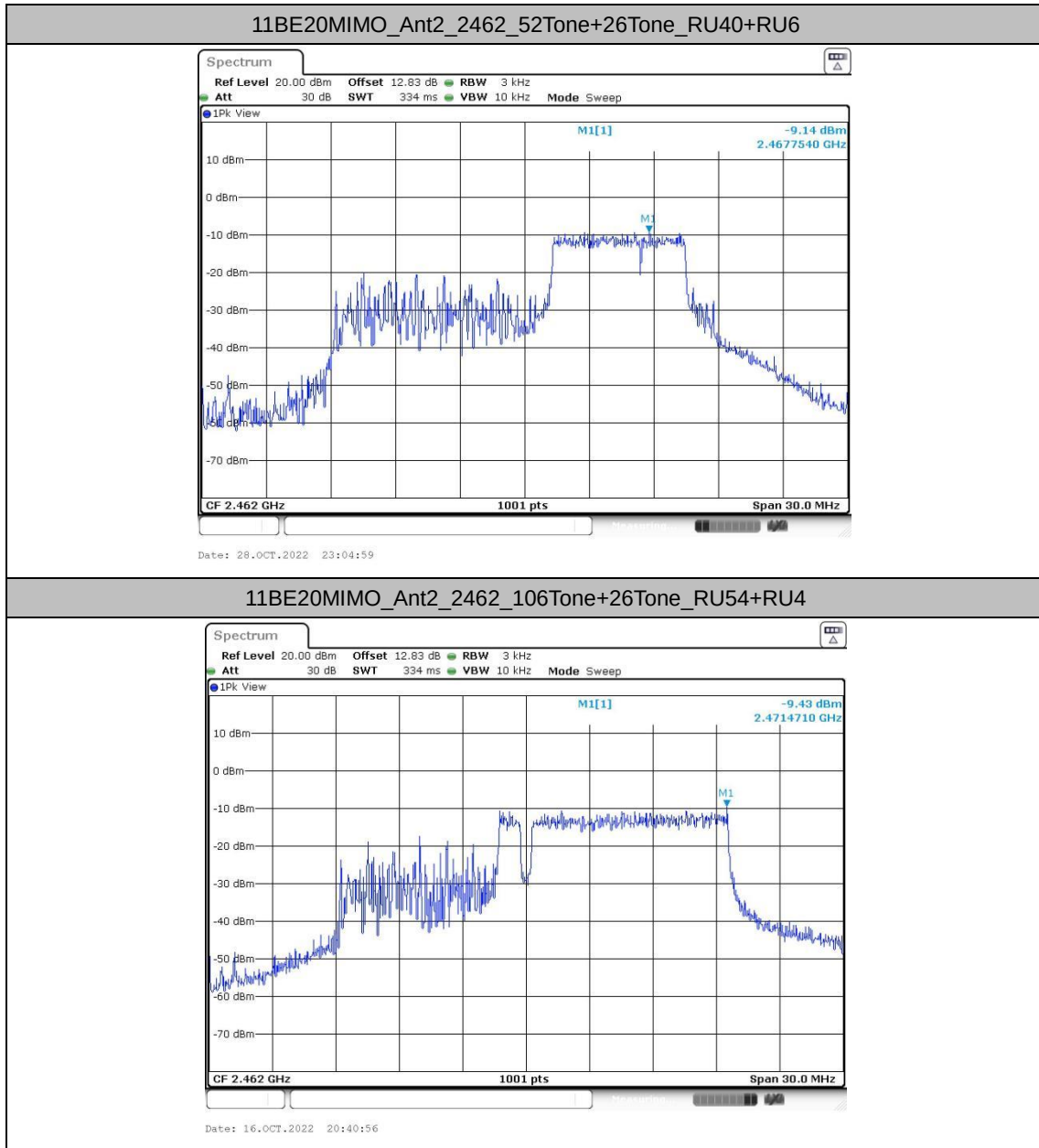


Test Graphs





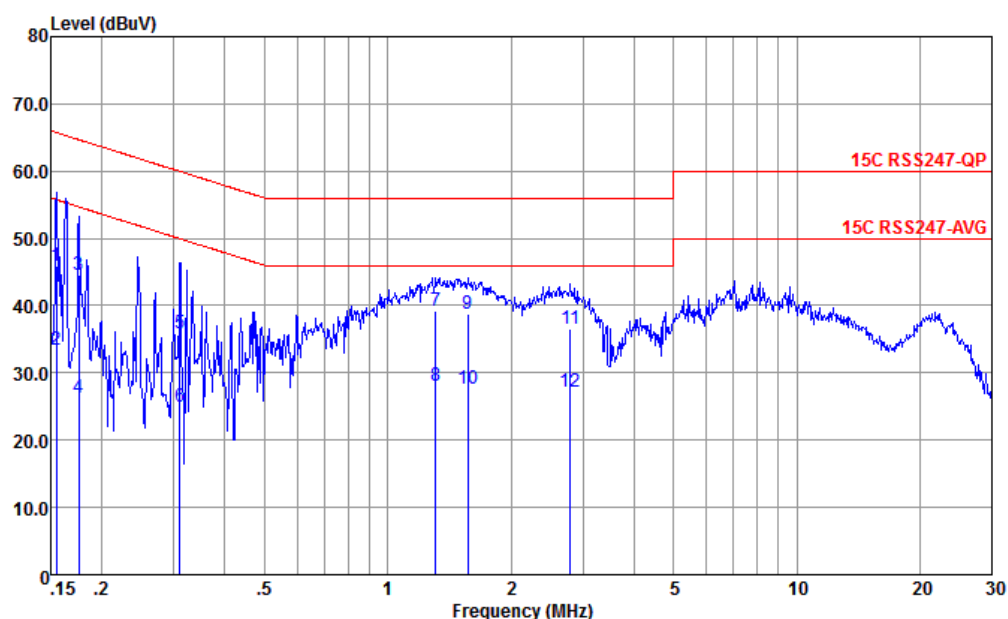






Appendix B. AC Conducted Emission Test Results

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.		

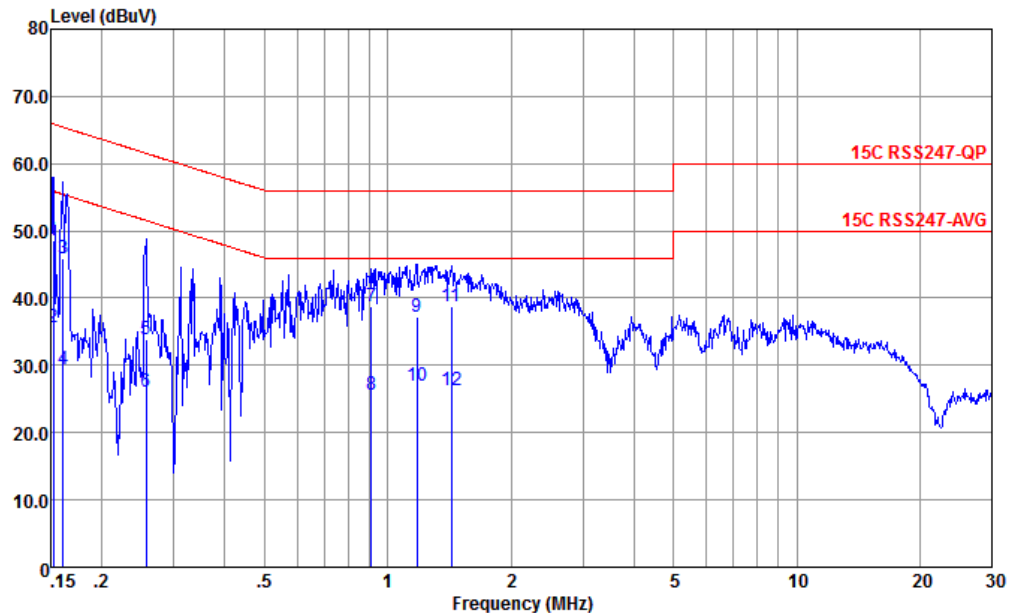


Site : CO01-KS
Condition : 15C RSS247-QP LISN-060105-LINE LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.155	45.99	-19.75	65.74	35.50	0.06	10.43	QP
2	0.155	33.39	-22.35	55.74	22.90	0.06	10.43	Average
3	0.176	44.67	-20.01	64.68	34.21	0.04	10.42	QP
4	0.176	26.37	-28.31	54.68	15.91	0.04	10.42	Average
5	0.310	35.90	-24.07	59.97	25.51	0.05	10.34	QP
6	0.310	25.00	-24.97	49.97	14.61	0.05	10.34	Average
7 *	1.310	39.18	-16.82	56.00	29.20	-0.11	10.09	QP
8	1.310	28.18	-17.82	46.00	18.20	-0.11	10.09	Average
9	1.568	38.76	-17.24	56.00	28.79	-0.11	10.08	QP
10	1.568	27.56	-18.44	46.00	17.59	-0.11	10.08	Average
11	2.794	36.55	-19.45	56.00	26.59	-0.10	10.06	QP
12	2.794	27.15	-18.85	46.00	17.19	-0.10	10.06	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-NEUTRAL NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.152	48.66	-17.21	65.87	38.20	0.03	10.43	QP
2	0.152	35.66	-20.21	55.87	25.20	0.03	10.43	Average
3	0.161	45.96	-19.47	65.43	35.50	0.03	10.43	QP
4	0.161	29.36	-26.07	55.43	18.90	0.03	10.43	Average
5	0.256	33.96	-27.60	61.56	23.59	-0.01	10.38	QP
6	0.256	25.96	-25.60	51.56	15.59	-0.01	10.38	Average
7 *	0.914	38.82	-17.18	56.00	28.81	-0.11	10.12	QP
8	0.914	25.52	-20.48	46.00	15.51	-0.11	10.12	Average
9	1.178	37.18	-18.82	56.00	27.19	-0.11	10.10	QP
10	1.178	26.88	-19.12	46.00	16.89	-0.11	10.10	Average
11	1.433	38.77	-17.23	56.00	28.81	-0.12	10.08	QP
12	1.433	26.27	-19.73	46.00	16.31	-0.12	10.08	Average

Note:

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



SPORTON LAB.

Appendix C. Radiated Spurious Emission

Test Engineer :	Carry Xu	Relative Humidity :	22~23℃
		Temperature :	41~42%



Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	CDD 1+2 1S2T	802.11b	01	2412	1Mbps	-	-
Mode 2	2400-2483.5	CDD 1+2 1S2T	802.11b	06	2437	1Mbps	-	-
Mode 3	2400-2483.5	CDD 1+2 1S2T	802.11b	11	2462	1Mbps	-	-
Mode 4	2400-2483.5	CDD 1+2 1S2T	802.11g	01	2412	6Mbps	-	-
Mode 5	2400-2483.5	CDD 1+2 1S2T	802.11g	06	2437	6Mbps	-	-
Mode 6	2400-2483.5	CDD 1+2 1S2T	802.11g	11	2462	6Mbps	-	-
Mode 7	2400-2483.5	CDD 1+2 1S2T	802.11be EHT20	01	2412	MCS0	Full RU	-
Mode 8	2400-2483.5	CDD 1+2 1S2T	802.11be EHT20	06	2437	MCS0	Full RU	-
Mode 9	2400-2483.5	CDD 1+2 1S2T	802.11be EHT20	11	2462	MCS0	Full RU	-
Mode 10	2400-2483.5	CDD 1+2 1S2T	802.11be EHT40	03	2422	MCS0	-	-
Mode 11	2400-2483.5	CDD 1+2 1S2T	802.11be EHT40	06	2437	MCS0	-	-
Mode 12	2400-2483.5	CDD 1+2 1S2T	802.11be EHT40	09	2452	MCS0	-	-
Mode 13	2400-2483.5	CDD 1+2 1S2T	802.11be EHT20	01	2412	MCS0	Single RU	106/53
Mode 14	2400-2483.5	CDD 1+2 1S2T	802.11be EHT20	11	2462	MCS0	Single RU	52/40
Mode 15	2400-2483.5	CDD 1+2 1S2T	802.11be EHT20	01	2412	MCS0	Small RU	Index 37+2
Mode 16	2400-2483.5	CDD 1+2 1S2T	802.11be EHT20	11	2462	MCS0	Small RU	Index 40+6
Mode 17	2400-2483.5	CDD 1+2 1S2T	802.11g	01	2412	6Mbps	-	WIFI Worse LF



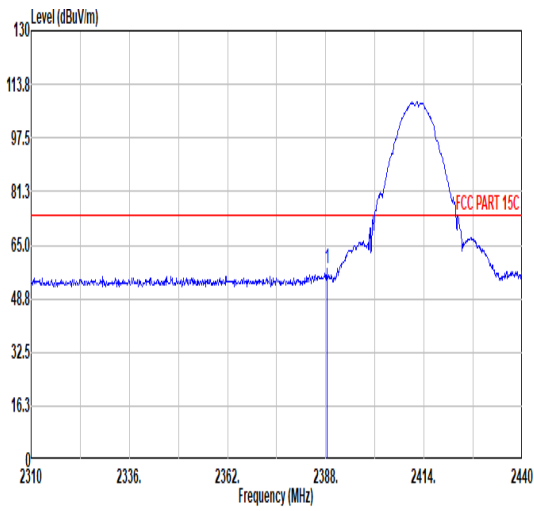
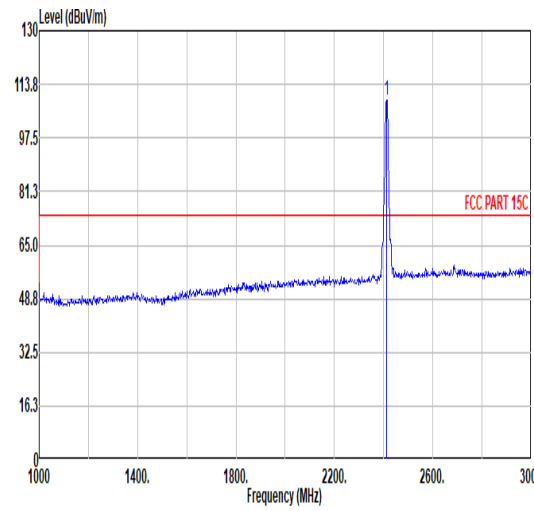
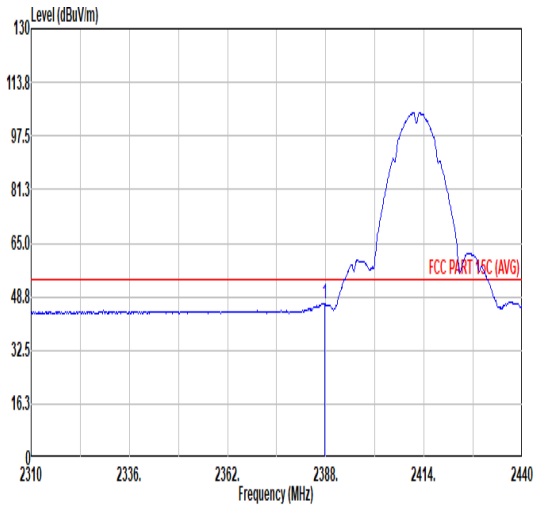
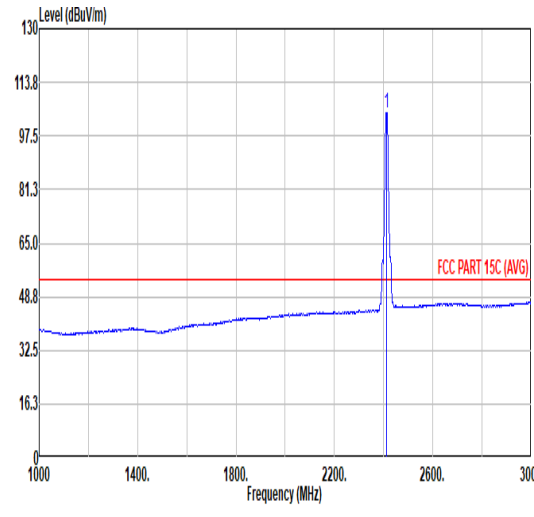
Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	802.11b	01	2387.61	46.67	54.00	-7.33	H	AVERAGE	Pass	Band Edge
2	802.11b	06	7311.00	44.73	74.00	-29.27	H	PEAK	Pass	Harmonic
3	802.11b	11	2486.62	46.93	54.00	-7.07	H	AVERAGE	Pass	Band Edge
4	802.11g	01	2389.95	50.58	54.00	-3.42	H	AVERAGE	Pass	Band Edge
5	802.11g	06	7311.00	42.91	74.00	-31.09	H	PEAK	Pass	Harmonic
6	802.11g	11	2483.74	47.66	54.00	-6.34	H	AVERAGE	Pass	Band Edge
7	802.11be EHT20	01	2389.95	50.01	54.00	-3.99	H	AVERAGE	Pass	Band Edge
8	802.11be EHT20	06	7311.00	43.00	74.00	-31.00	V	PEAK	Pass	Harmonic
9	802.11be EHT20	11	2485.86	46.66	54.00	-7.34	H	AVERAGE	Pass	Band Edge
10	802.11be EHT40	03	2389.97	49.28	54.00	-4.72	H	AVERAGE	Pass	Band Edge
11	802.11be EHT40	06	2483.56	50.02	54.00	-3.98	H	AVERAGE	Pass	Band Edge
12	802.11be EHT40	09	2483.5	50.21	54.00	-3.79	H	AVERAGE	Pass	Band Edge
13	802.11be EHT20	01	2389.95	43.95	54.00	-10.05	H	AVERAGE	Pass	Band Edge
14	802.11be EHT20	11	2484.61	43.86	54.00	-10.14	V	AVERAGE	Pass	Band Edge
15	802.11be EHT20	01	2389.95	50.35	54.00	-3.65	H	AVERAGE	Pass	Band Edge
16	802.11be EHT20	11	2483.77	49.30	54.00	-4.70	V	AVERAGE	Pass	Band Edge
17	802.11g	01	48.43	33.50	40.00	-6.50	V	PEAK	Pass	LF



FCC RF Test Report

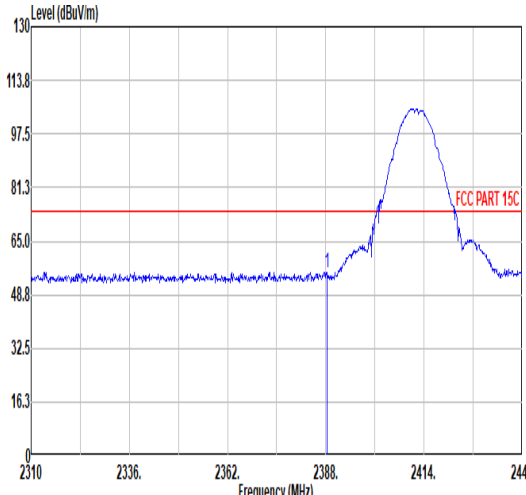
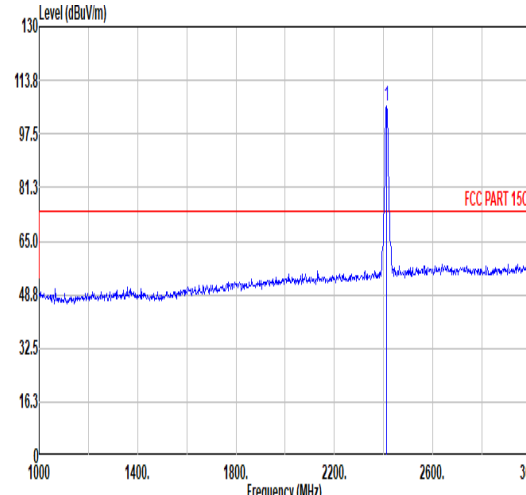
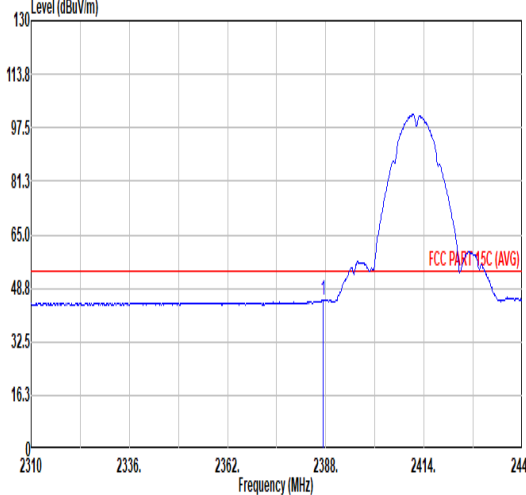
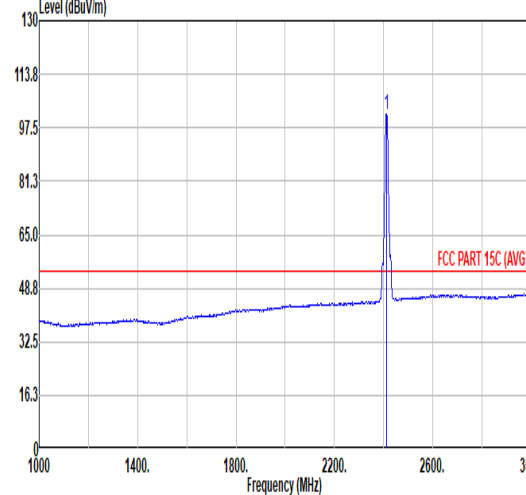
Report No. : FR291702C

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Mode	Band Edge																																																																																																																							
	2400-2483.5_802.11b_CH01_2412MHz																																																																																																																							
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FCC RF Test Report

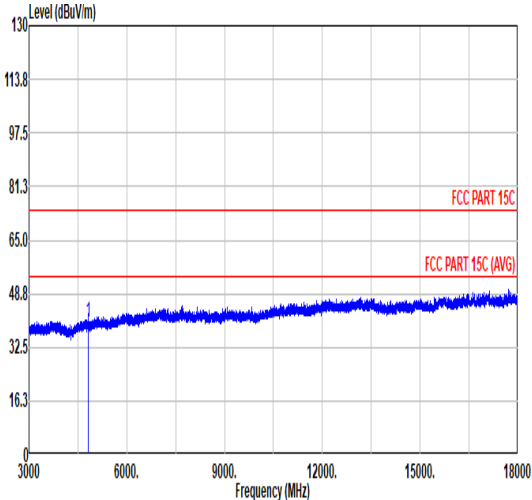
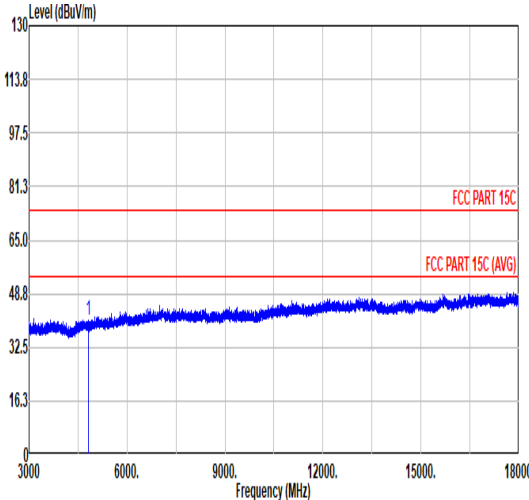
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FCC RF Test Report

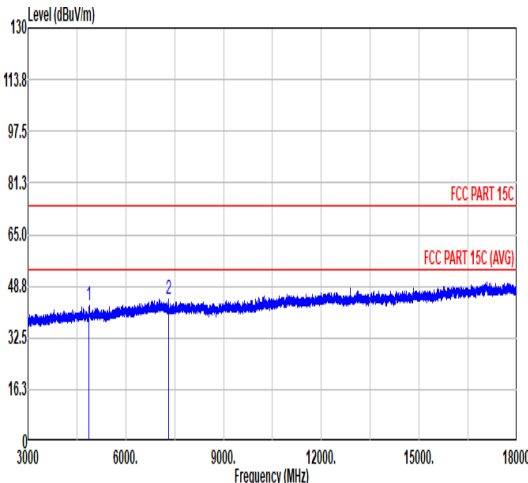
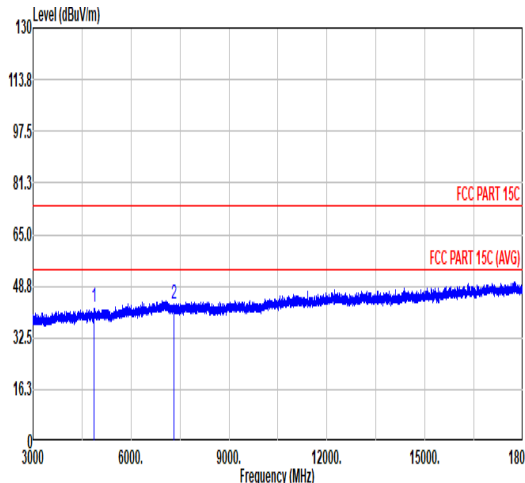
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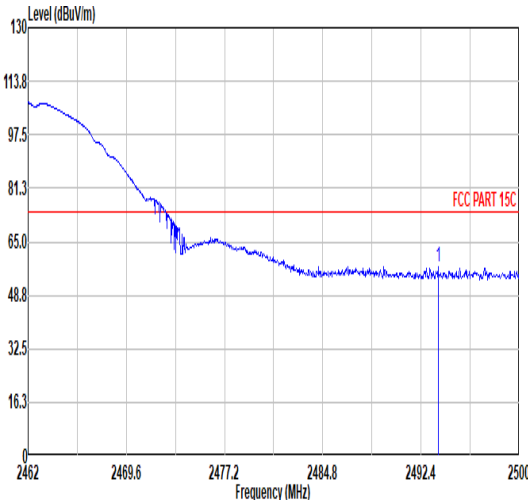
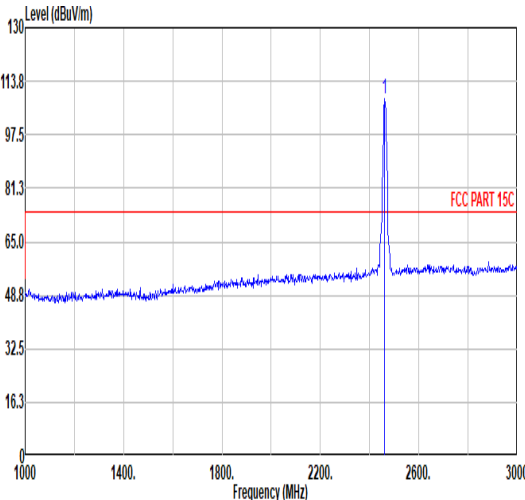
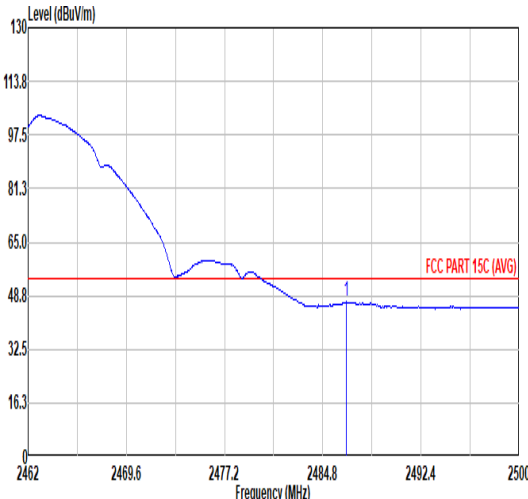
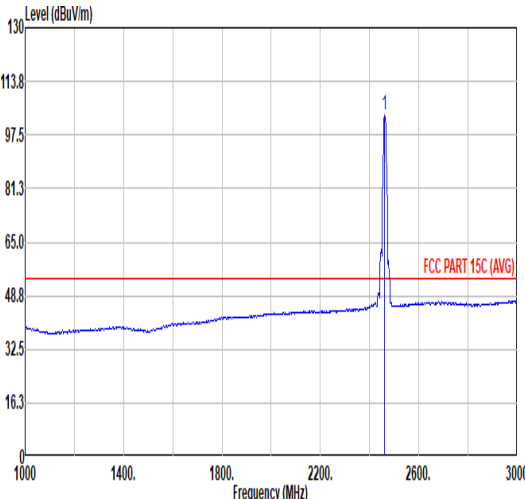
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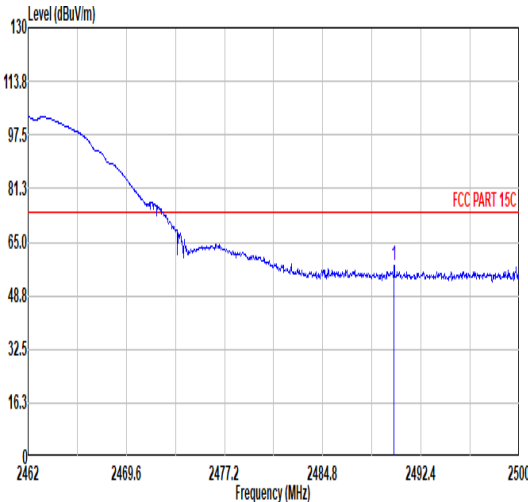
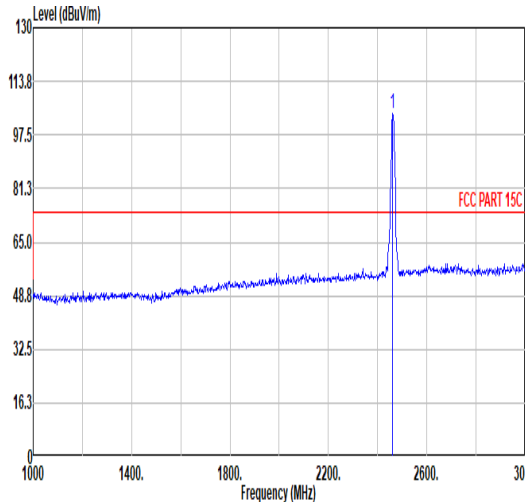
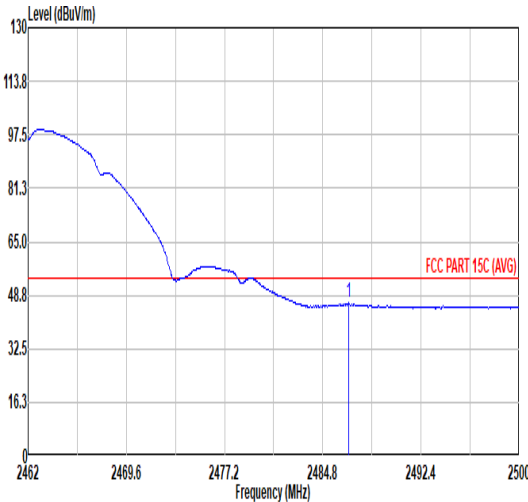
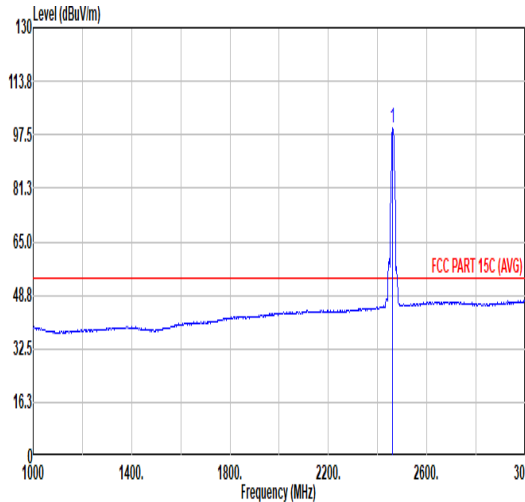
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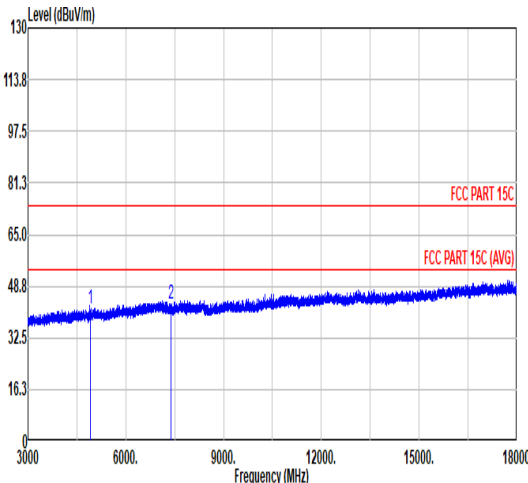
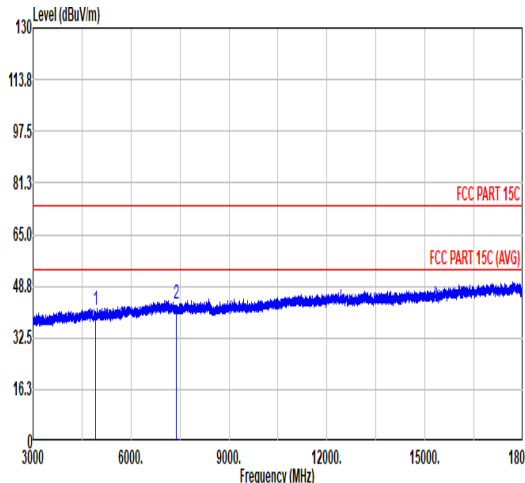
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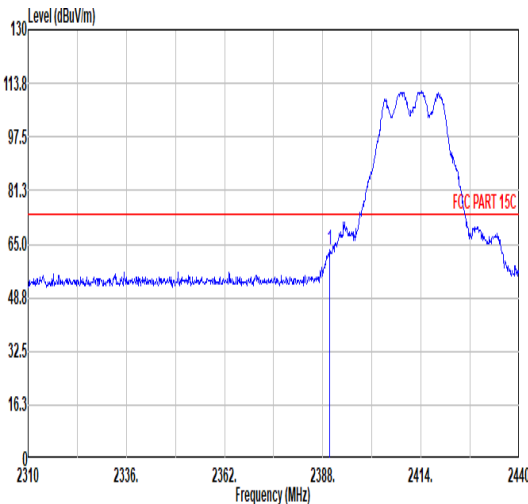
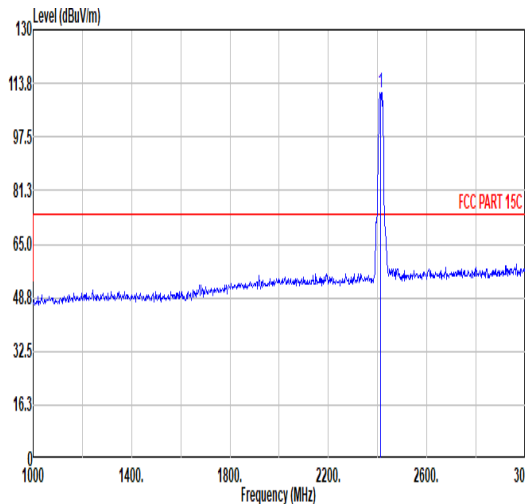
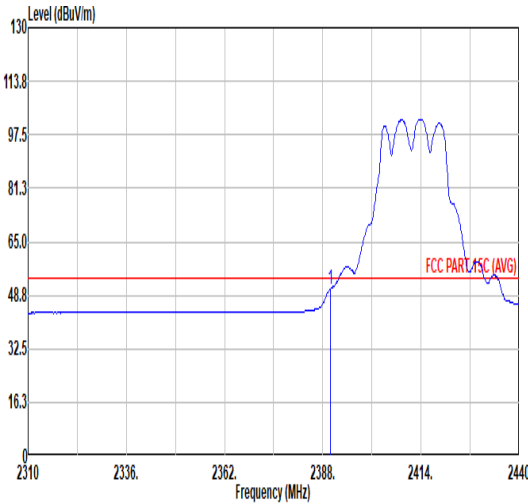
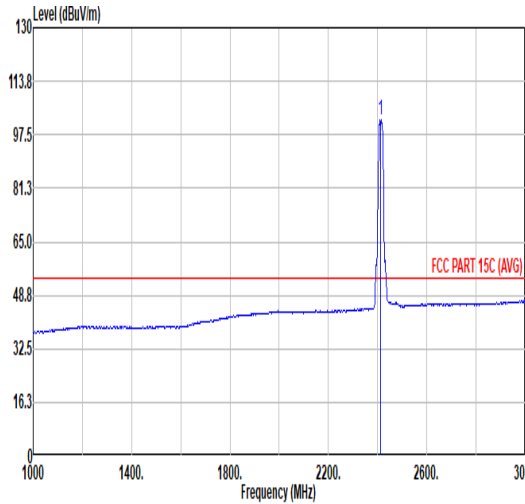
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FCC RF Test Report

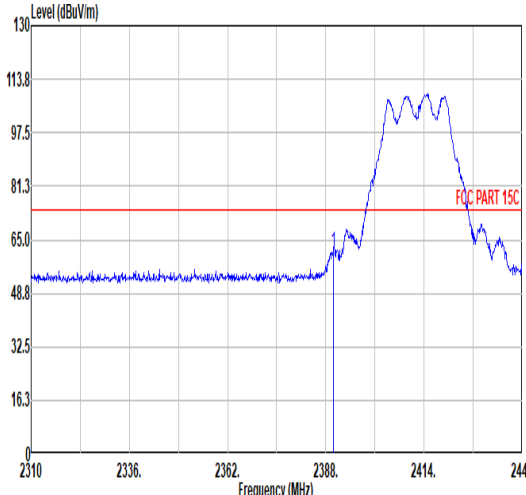
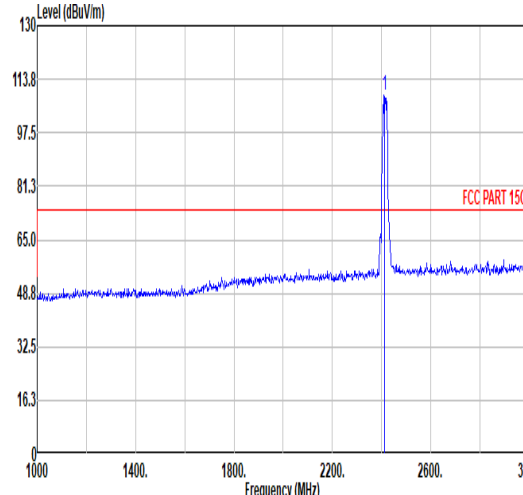
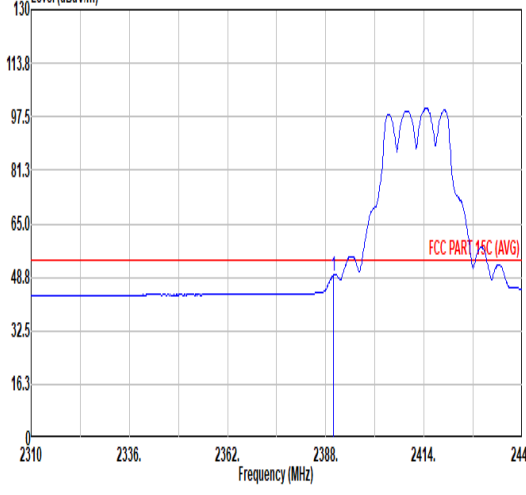
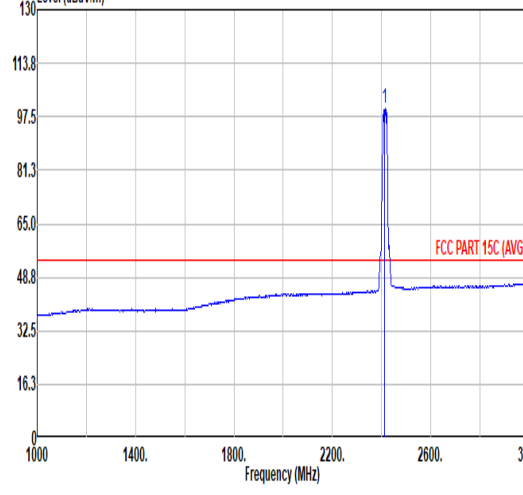
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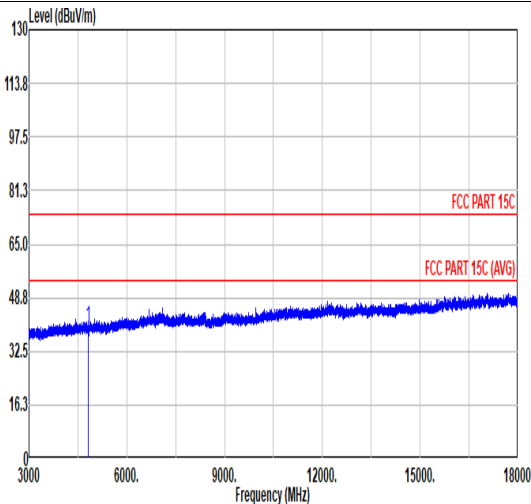
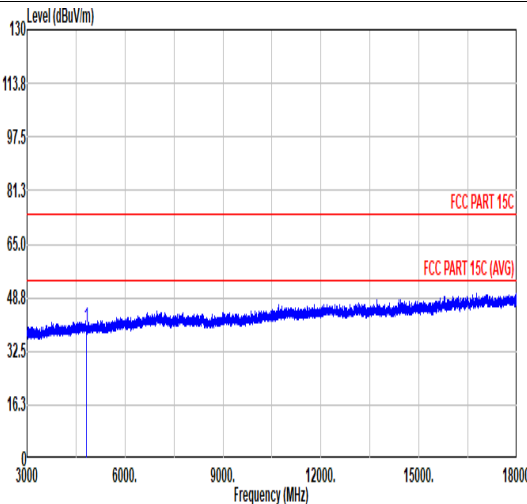
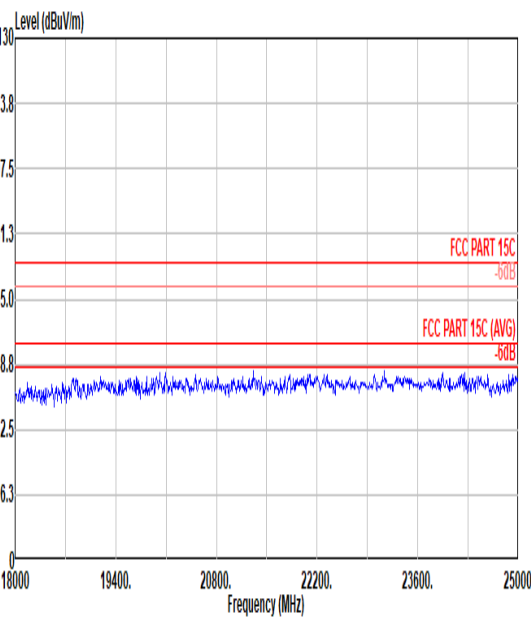
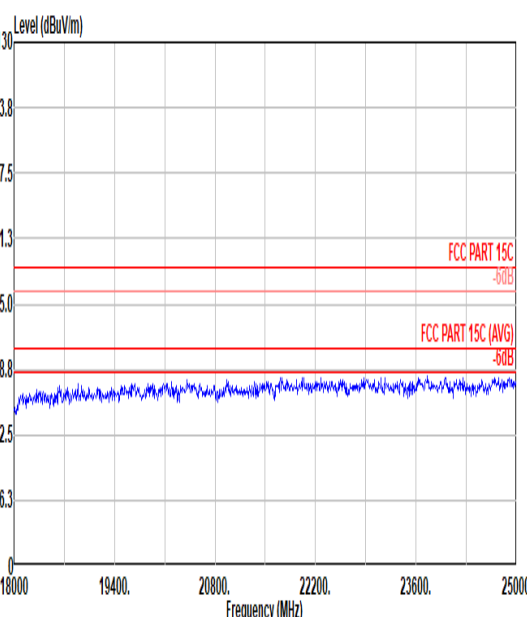


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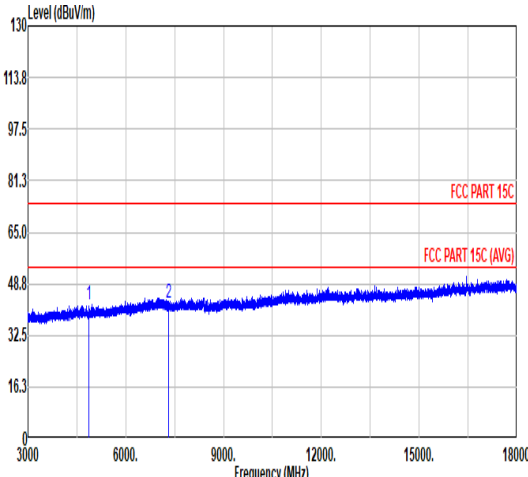
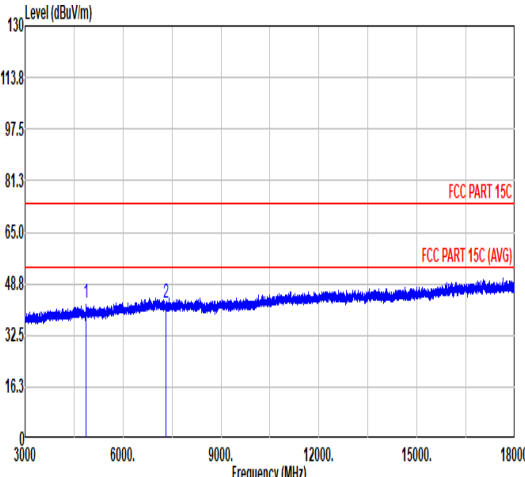
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Note: For 18GHz to 25GHz, only worst case is verified in this report.



FCC RF Test Report

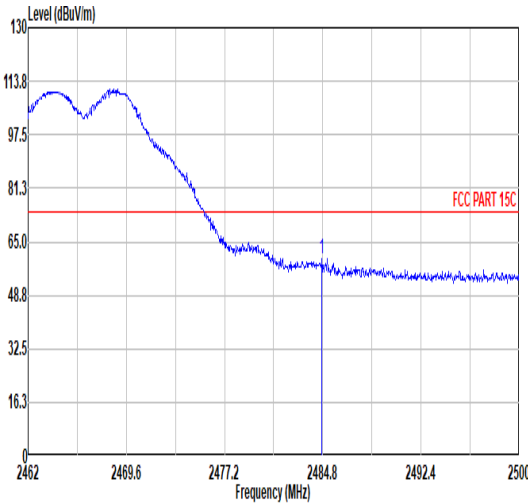
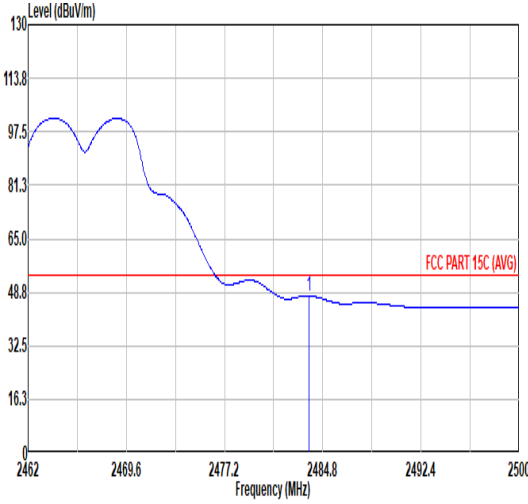
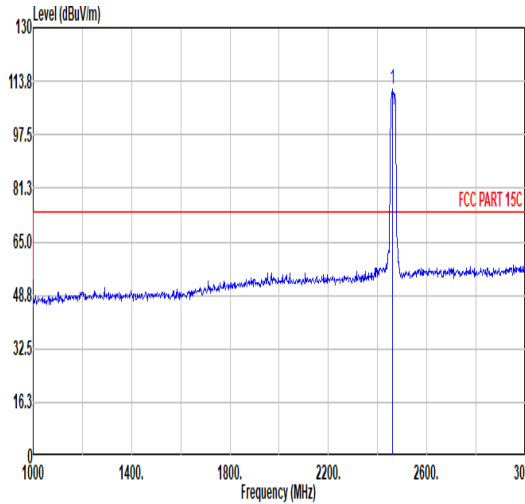
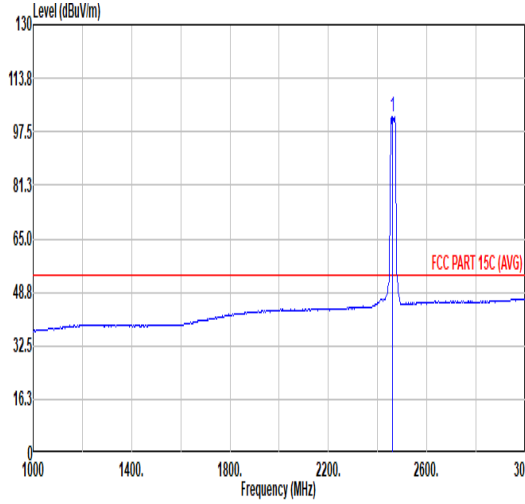
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Mode	5																																																																																																																													
	Harmonic																																																																																																																													
	2400-2483.5_802.11g_CH06_2437MHz																																																																																																																													
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FCC RF Test Report

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Mode	6																																																						
	Band Edge																																																						
	2400-2483.5_802.11g_CH11_2462MHz																																																						
ANT	CDD 1+2 1S2T																																																						
Pol.	Horizontal						Fundamental																																																
Peak																																																							
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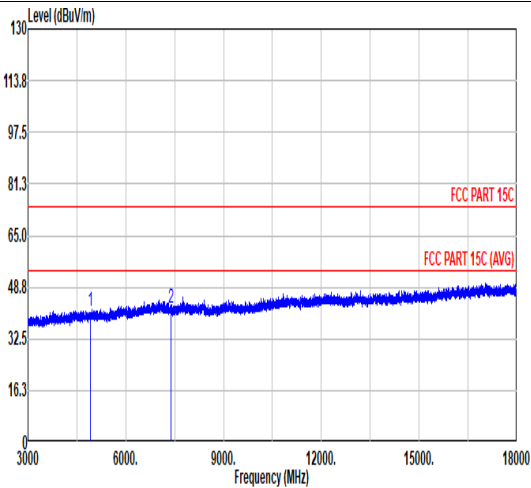
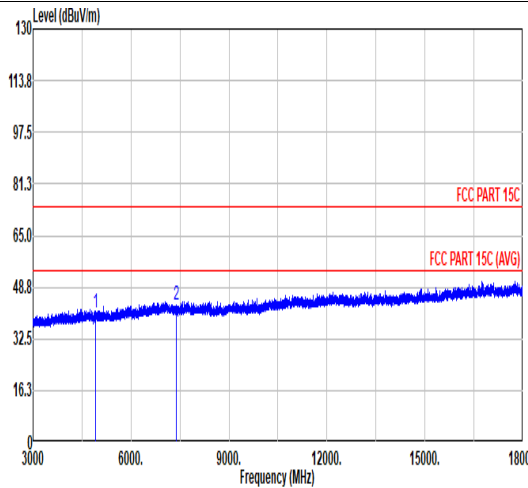


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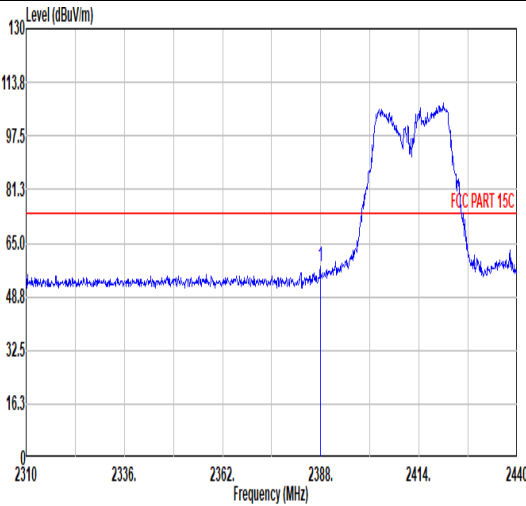
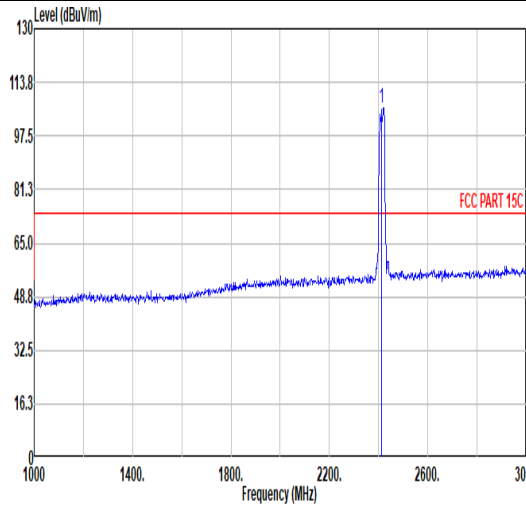
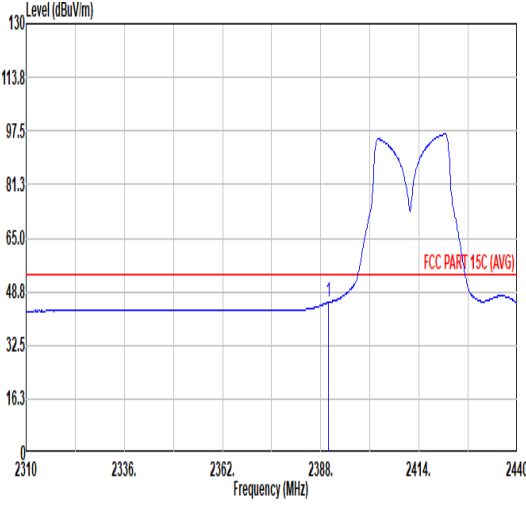
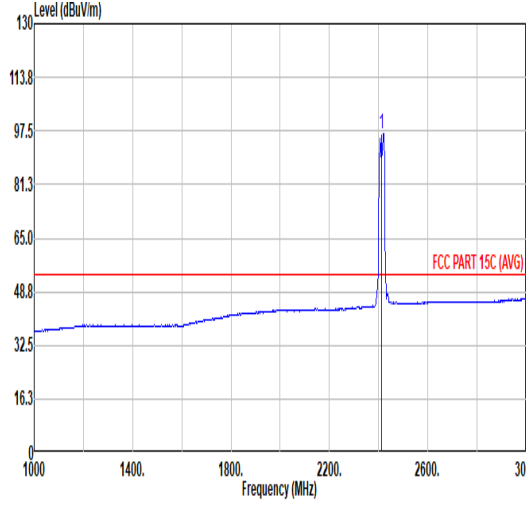
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