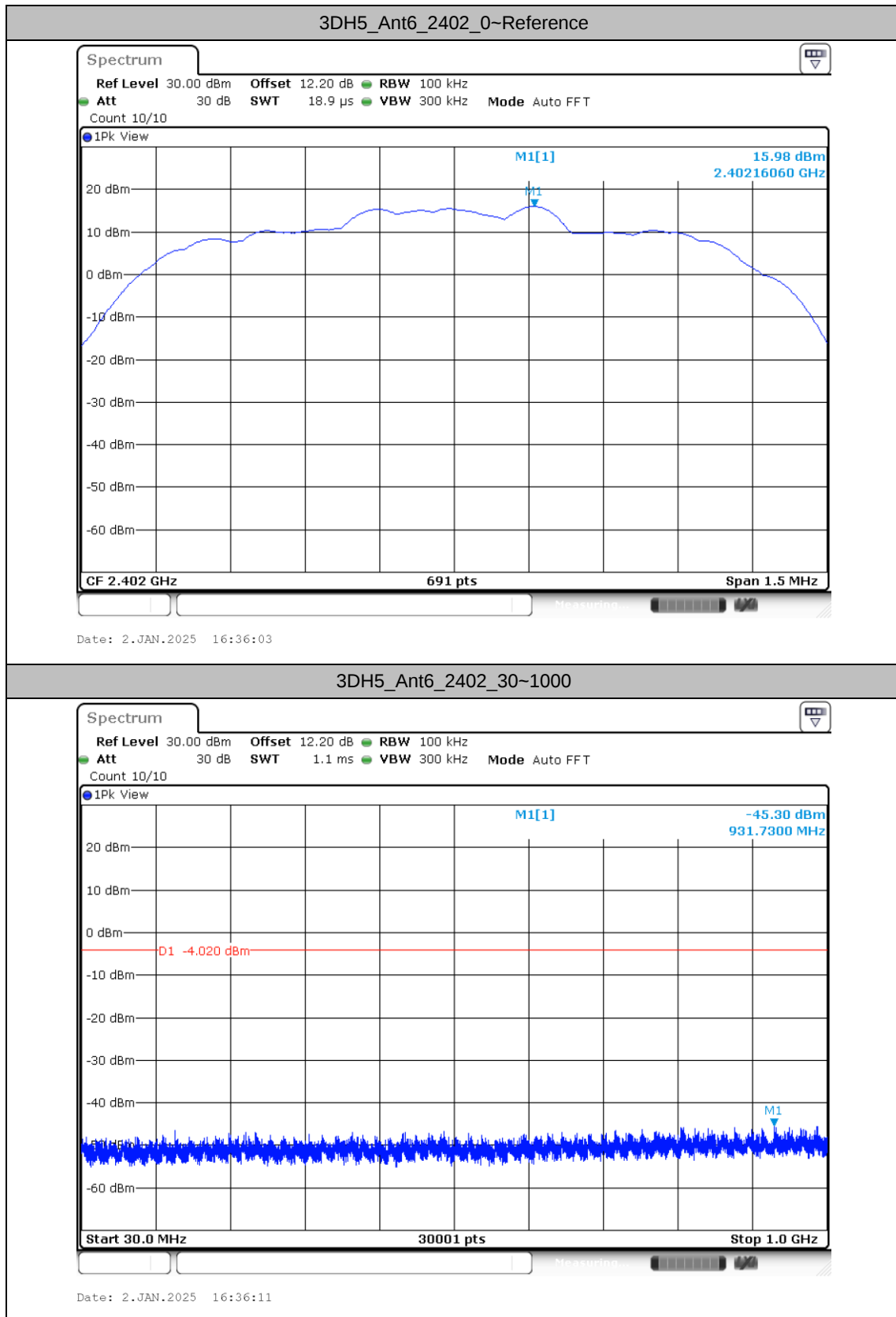
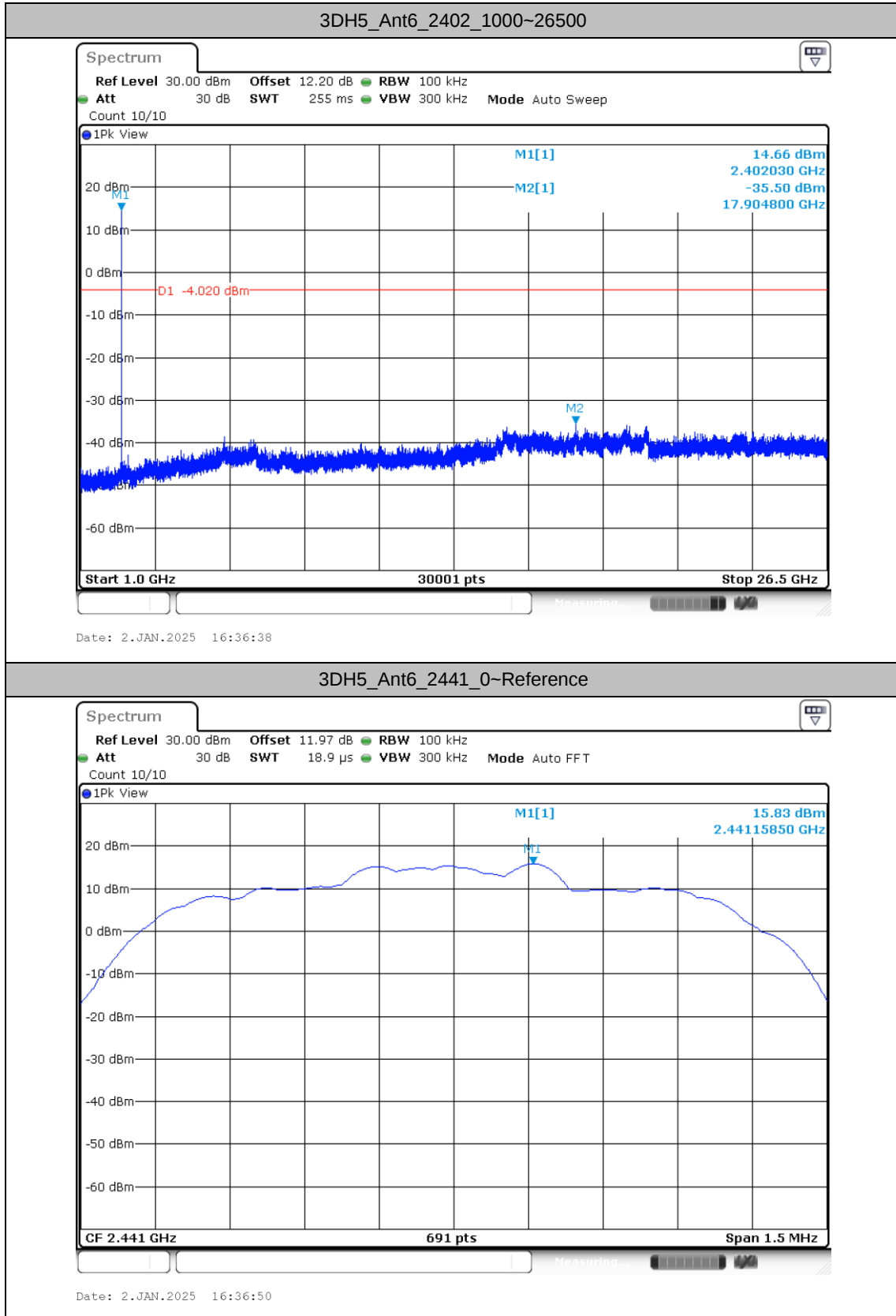
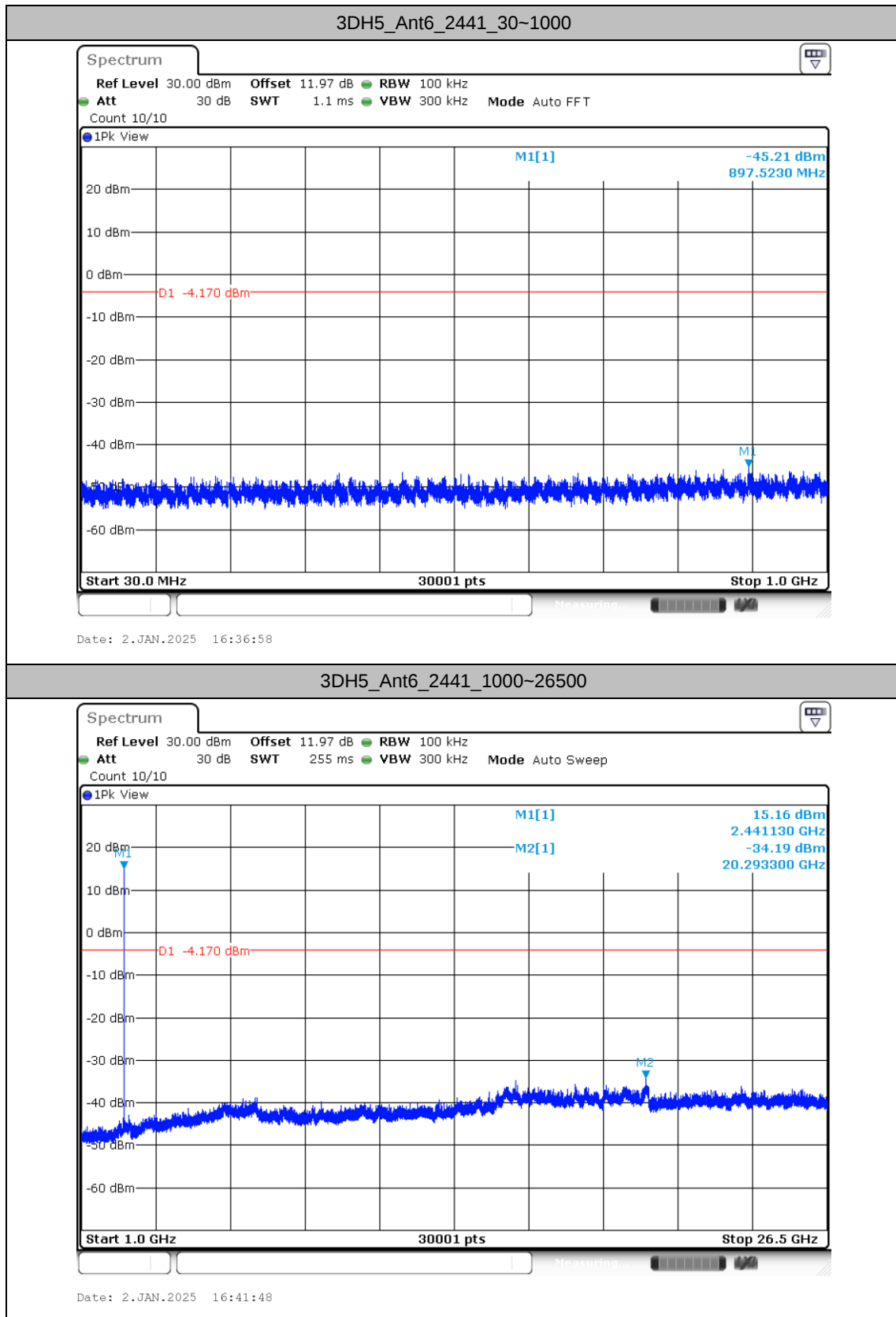
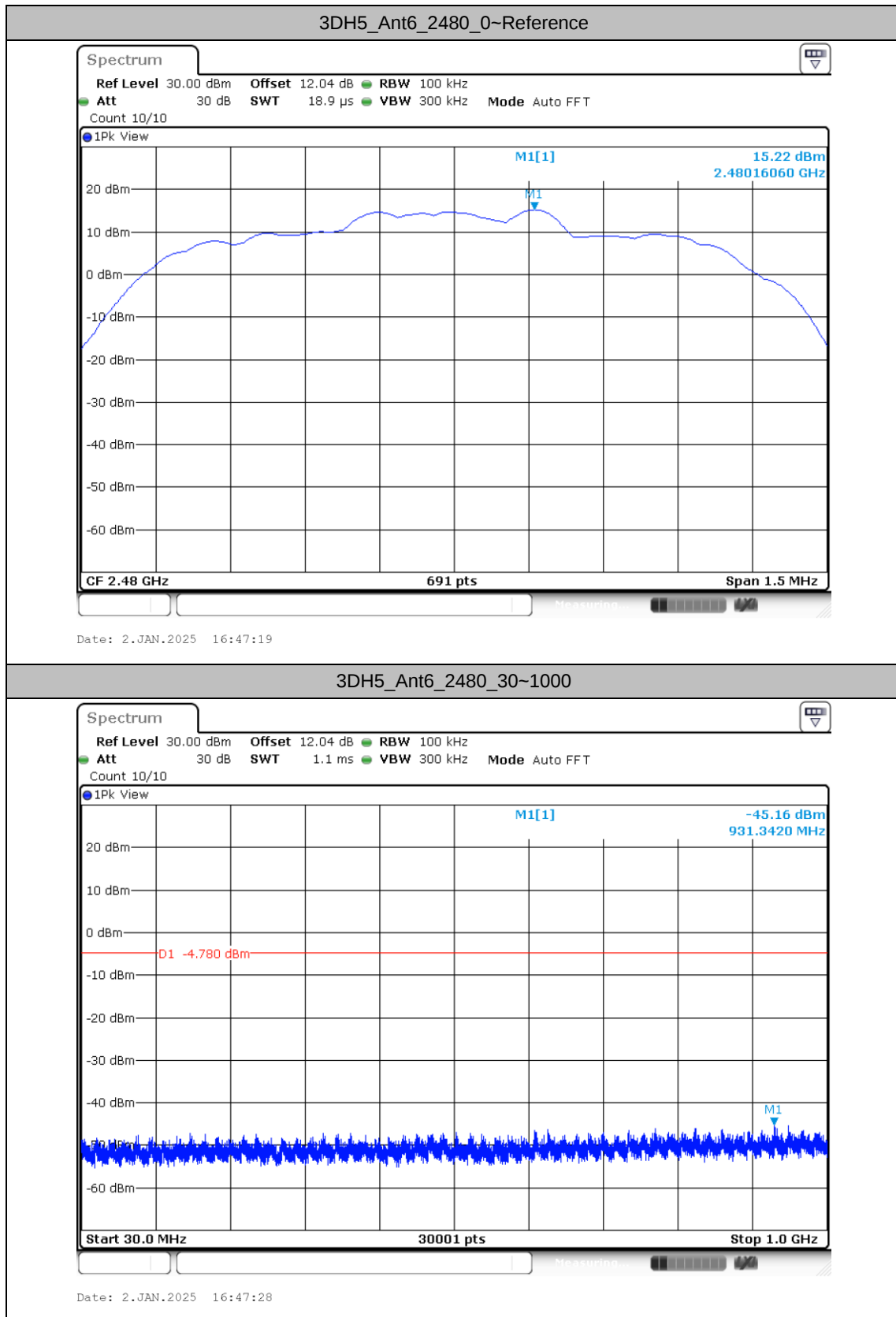
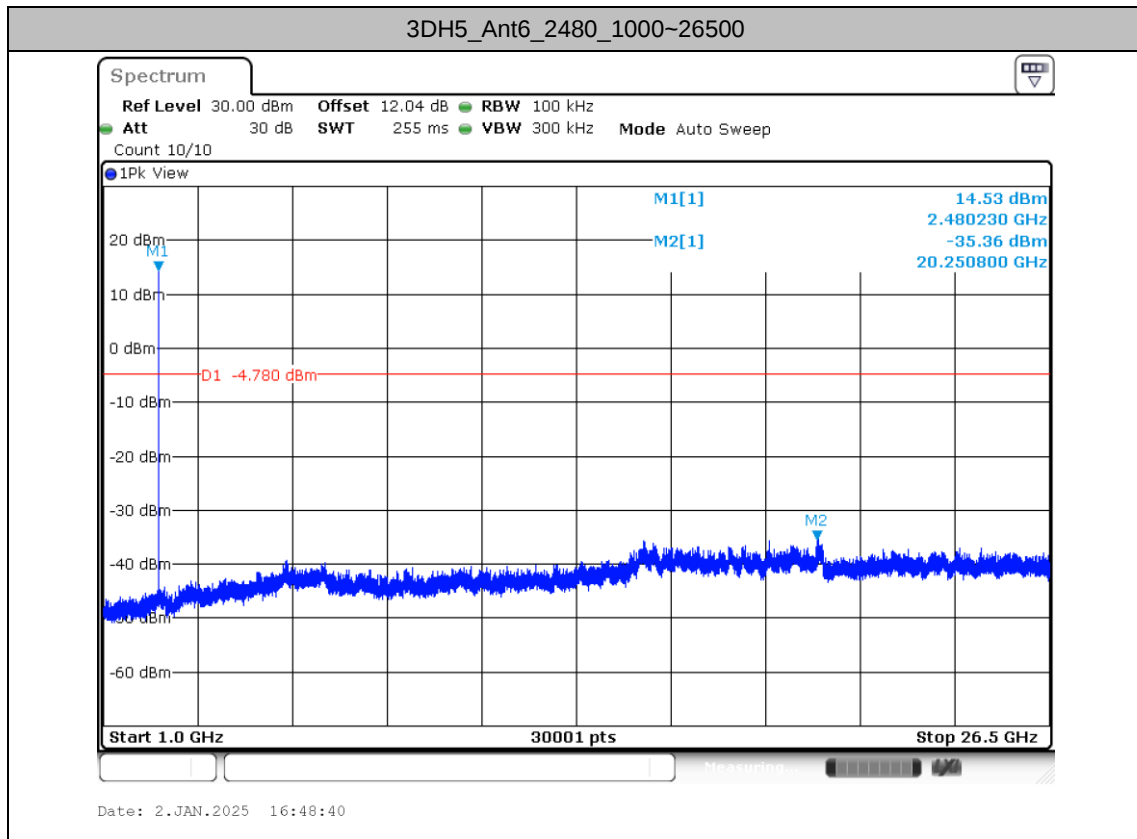






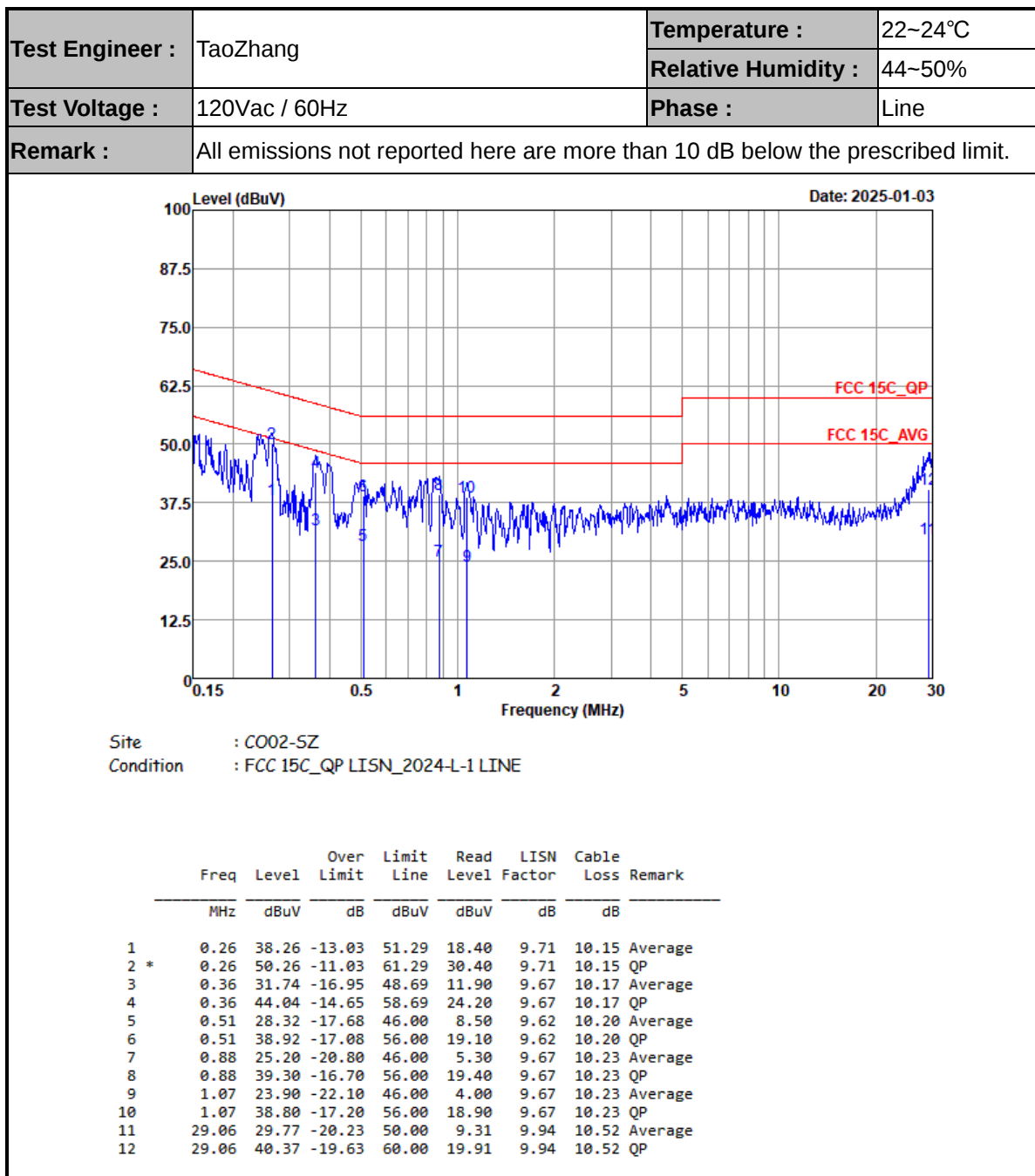






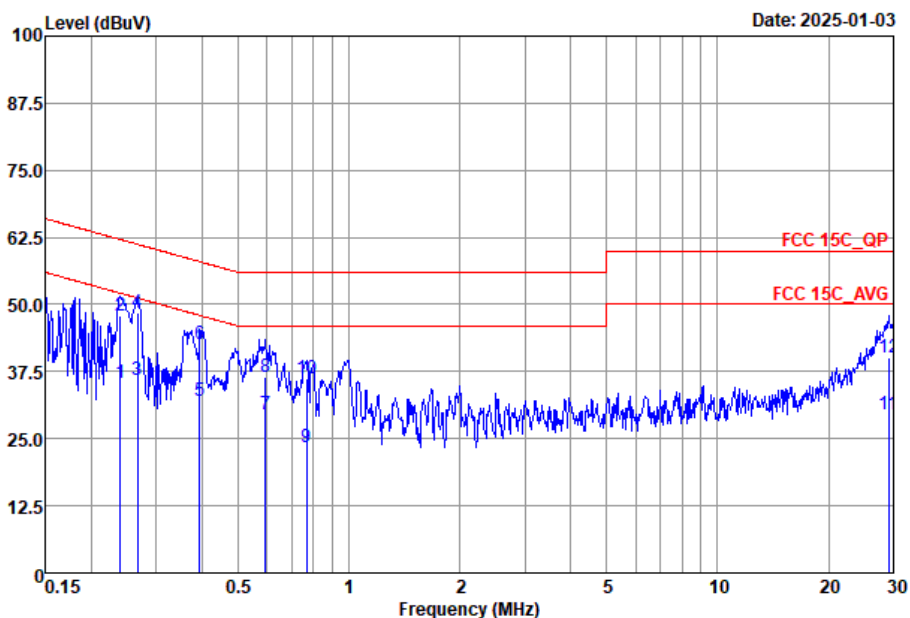


Appendix B. AC Conducted Emission Test Results





Test Engineer :	TaoZhang	Temperature :	22~24°C
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : C002-SZ
Condition : FCC 15C_QP LISN_2024-N-1 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.24	35.43	-16.65	52.08	15.60	9.68	10.15	Average
2	0.24	48.03	-14.05	62.08	28.20	9.68	10.15	QP
3	0.27	36.03	-15.17	51.20	16.20	9.68	10.15	Average
4 *	0.27	48.53	-12.67	61.20	28.70	9.68	10.15	QP
5	0.39	32.08	-15.91	47.99	12.20	9.70	10.18	Average
6	0.39	42.68	-15.31	57.99	22.80	9.70	10.18	QP
7	0.59	29.41	-16.59	46.00	9.50	9.69	10.22	Average
8	0.59	36.51	-19.49	56.00	16.60	9.69	10.22	QP
9	0.77	23.41	-22.59	46.00	3.50	9.68	10.23	Average
10	0.77	36.21	-19.79	56.00	16.30	9.68	10.23	QP
11	29.06	29.58	-20.42	50.00	9.10	9.96	10.52	Average
12	29.06	40.08	-19.92	60.00	19.60	9.96	10.52	QP

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 :	Reid Huang	Relative Humidity :	44~50%
		Temperature :	22-24℃

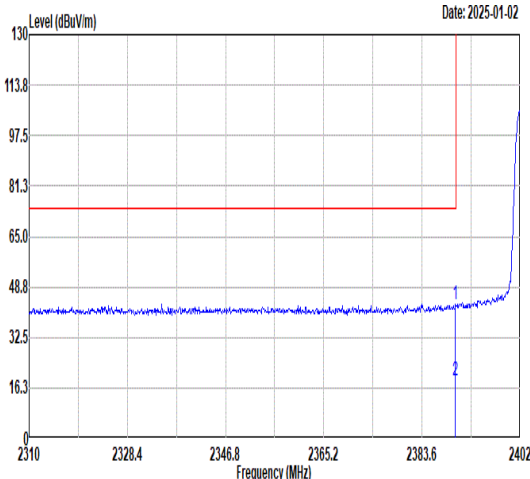
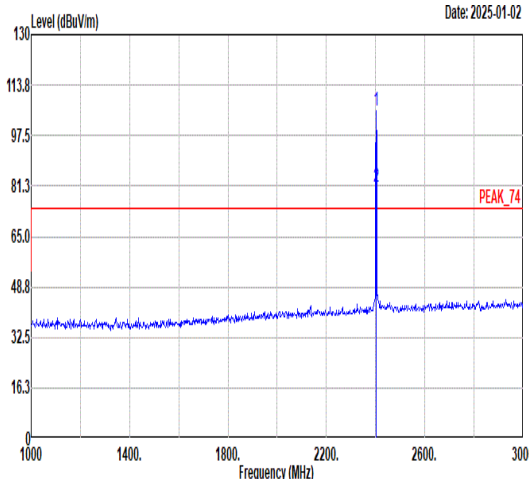
Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	6	Bluetooth BR_GFSK	00	2402	1Mbps	-	-
Mode 2	2400-2483.5	6	Bluetooth BR_GFSK	39	2441	1Mbps	-	-
Mode 3	2400-2483.5	6	Bluetooth BR_GFSK	78	2480	1Mbps	-	-
Mode 4	2400-2483.5	6	Bluetooth BR_GFSK	78	2480	1Mbps	-	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	Bluetooth BR_GFSK	00	2388.75	43.47	74.00	-30.53	V	PEAK	Pass	Band Edge
1	Bluetooth BR_GFSK	00	4804.00	44.25	74.00	-29.75	V	Peak	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
2	Bluetooth BR_GFSK	39	4882.00	43.99	74.00	-30.01	H	Peak	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2483.60	51.18	74.00	-22.82	V	PEAK	Pass	Band Edge
3	Bluetooth BR_GFSK	78	4960.00	47.09	74.00	-26.91	V	Peak	Pass	Harmonic
4	Bluetooth BR_GFSK	78	-	-	-	-	-	-	-	Band Edge
4	Bluetooth BR_GFSK	78	864.20	30.10	46.00	-15.90	H	Peak	Pass	Harmonic



Mode	1																																																																																																																			
	Band Edge																																																																																																																			
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz																																																																																																																			
ANT	6																																																																																																																			
Pol.	Horizontal						Fundamental																																																																																																													
Peak																																																																																																																				
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Pol.	Vertical						Fundamental																																																																																																																									
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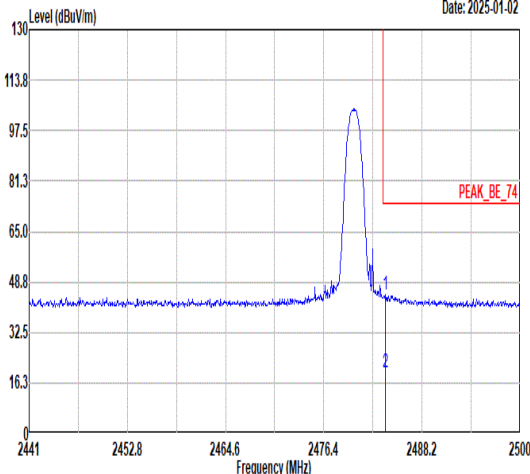
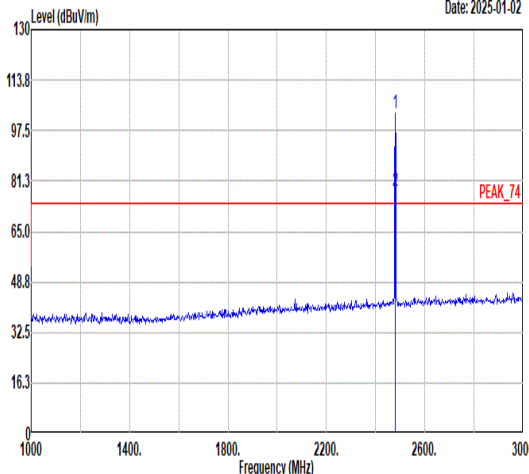


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ANT	6																																																																																																									
Pol.	Horizontal								Vertical																																																																																																	
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Mode	2										
	Harmonic										
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz										
ANT	6										
Pol.	Horizontal										
Peak Avg	<										



Mode	3																																																																																																																			
	Band Edge																																																																																																																			
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz																																																																																																																			
ANT	6																																																																																																																			
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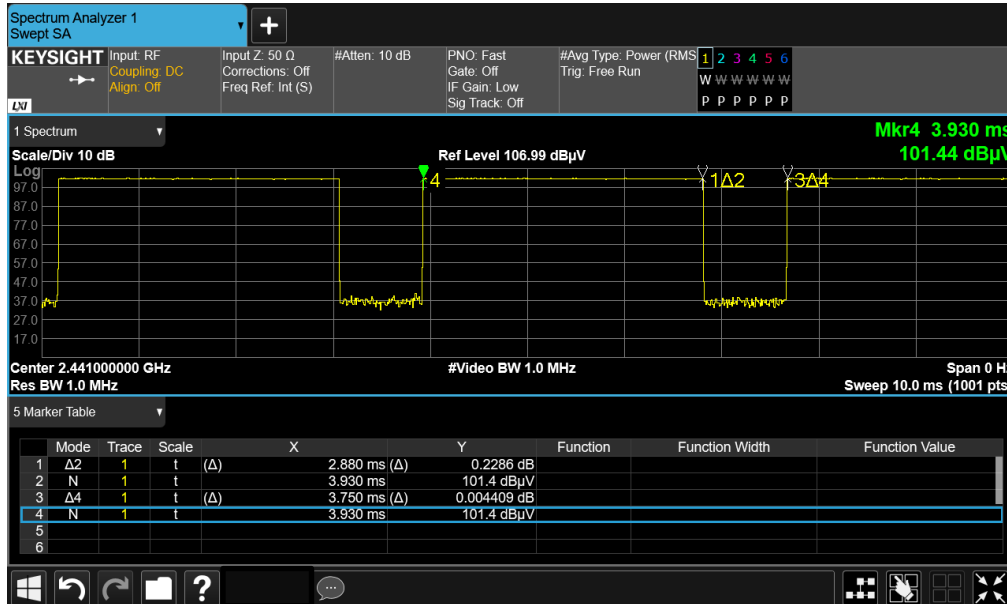
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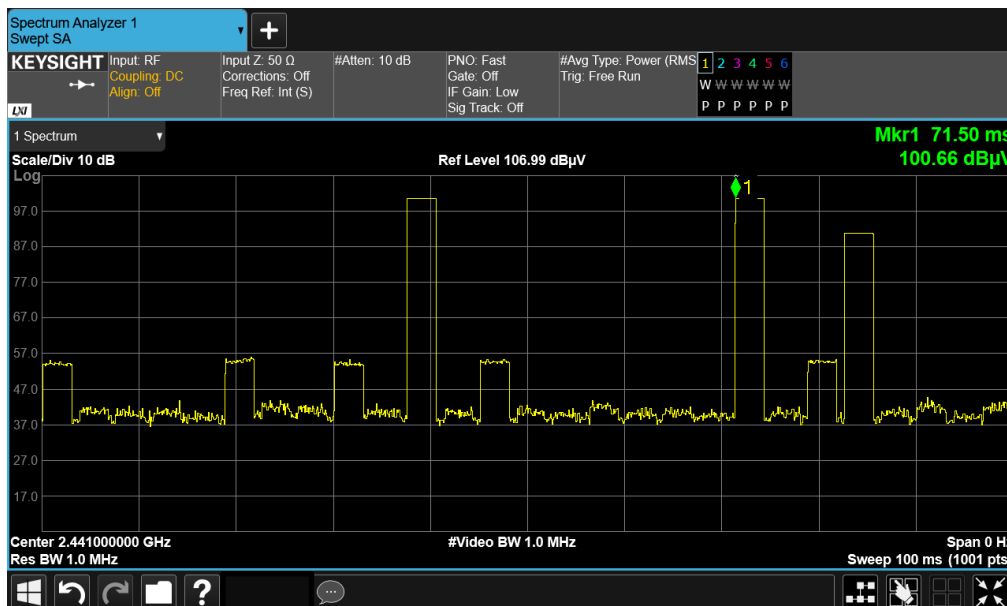
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Appendix D. Duty Cycle Plots

DH5 on time (One Pulse) Plot on Channel 39



DH5 on time (Count Pulses) Plot on Channel 39



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. DH5 has the highest duty cycle worst case and is reported.