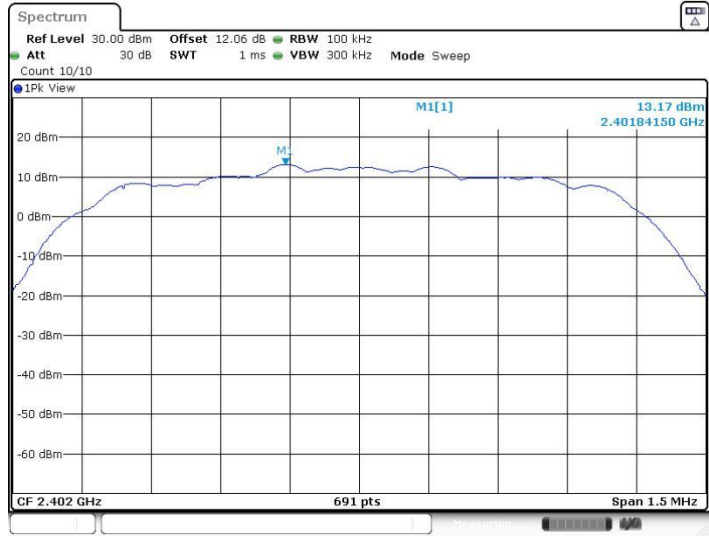


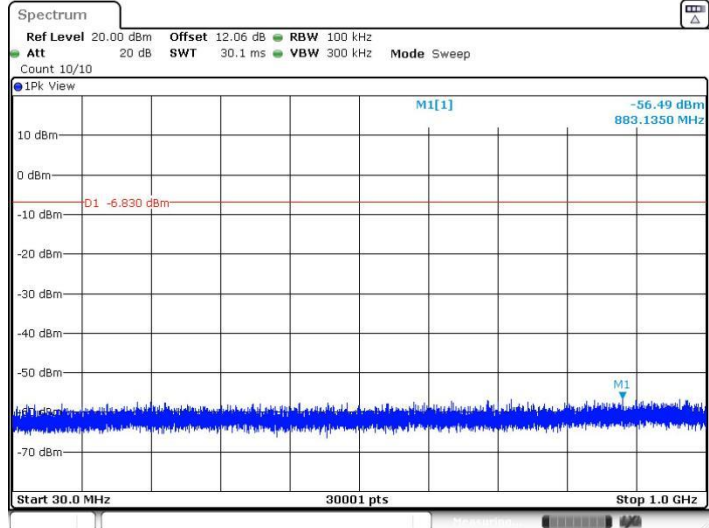


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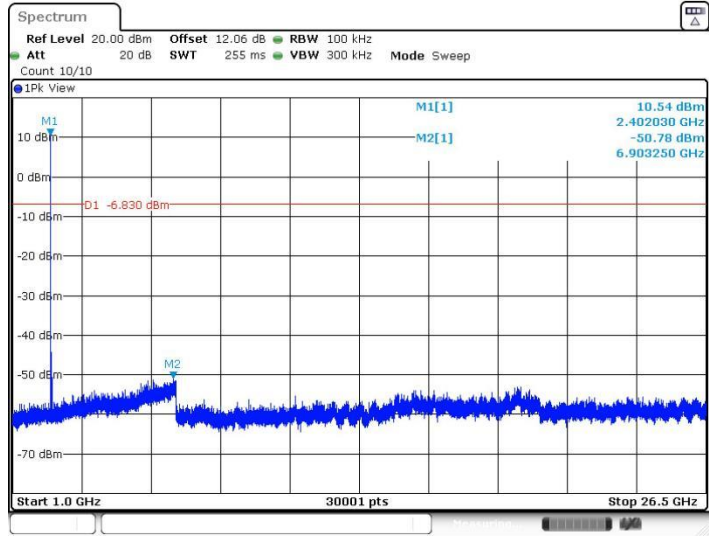
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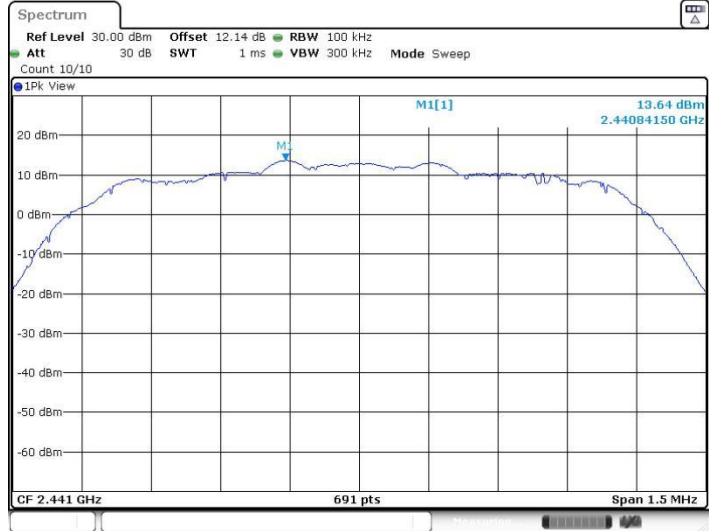


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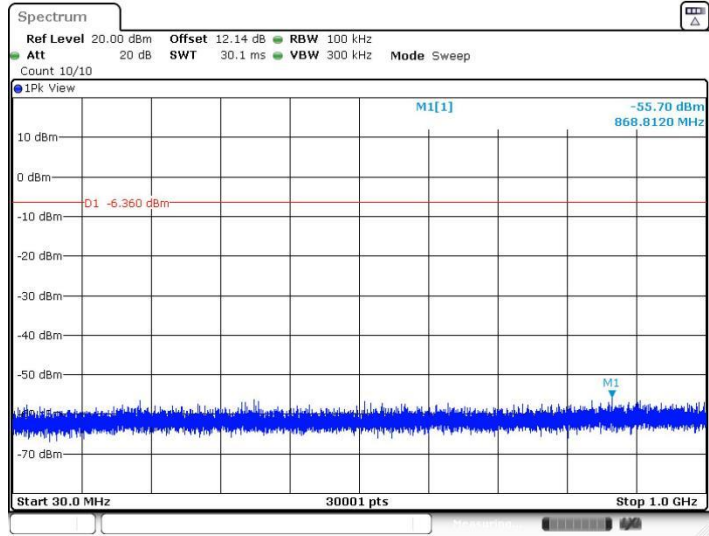
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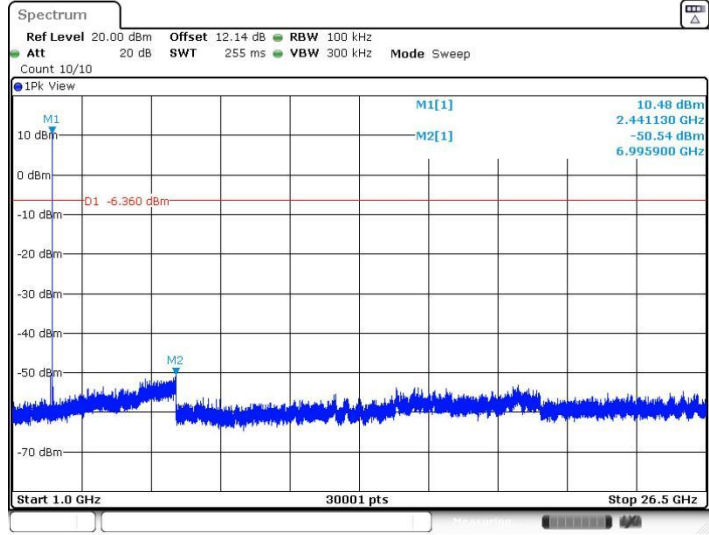


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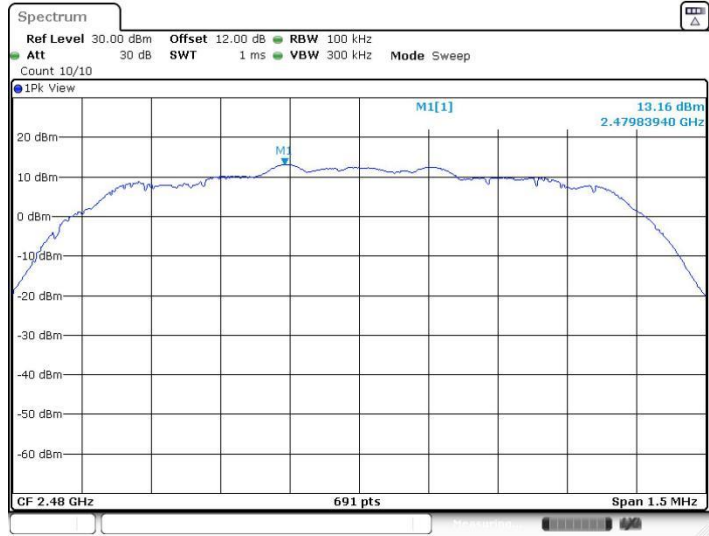
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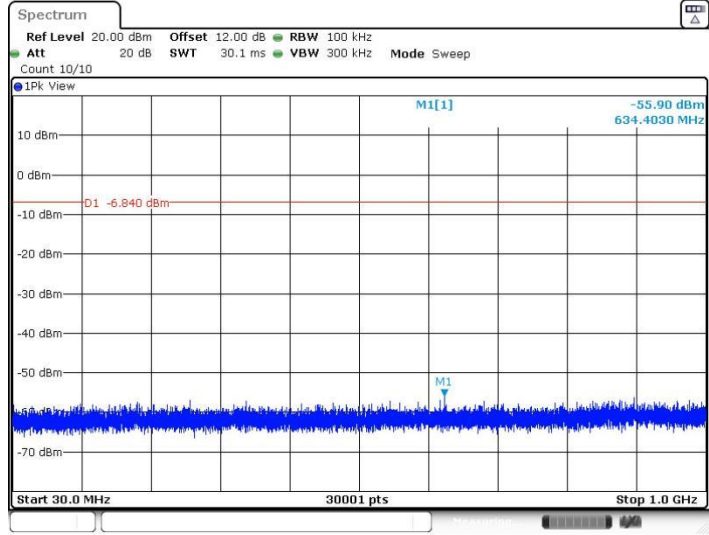
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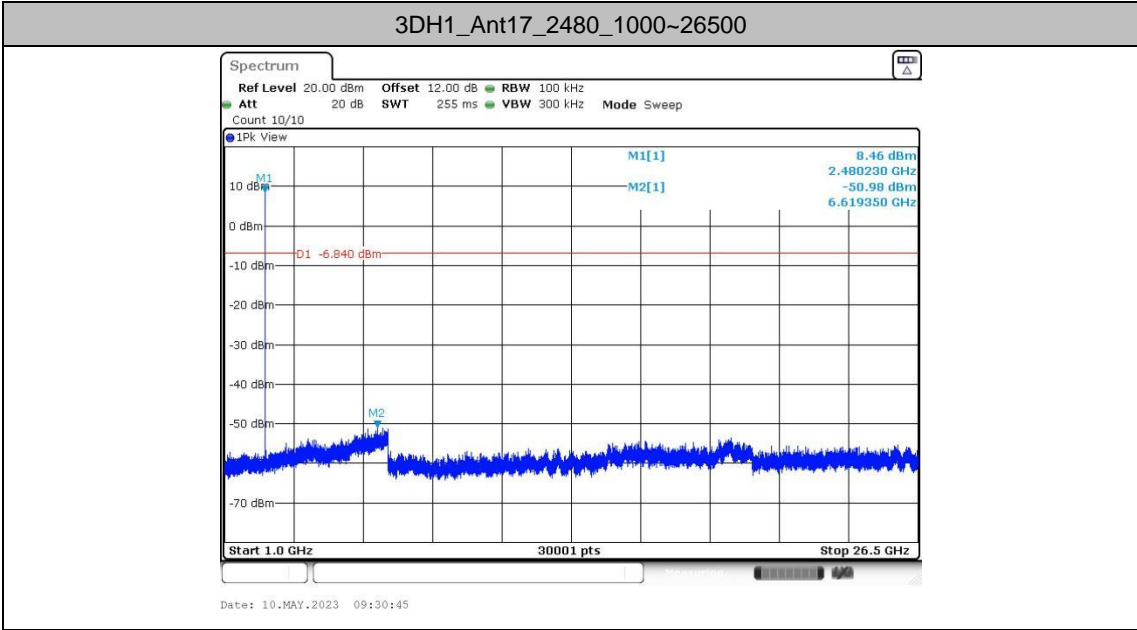


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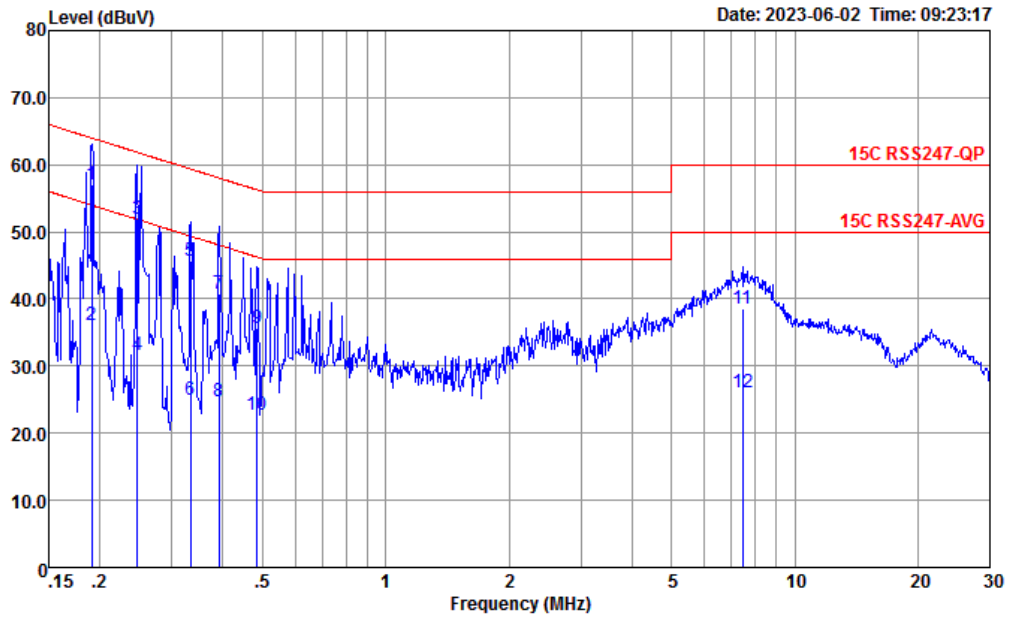






Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos	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.		

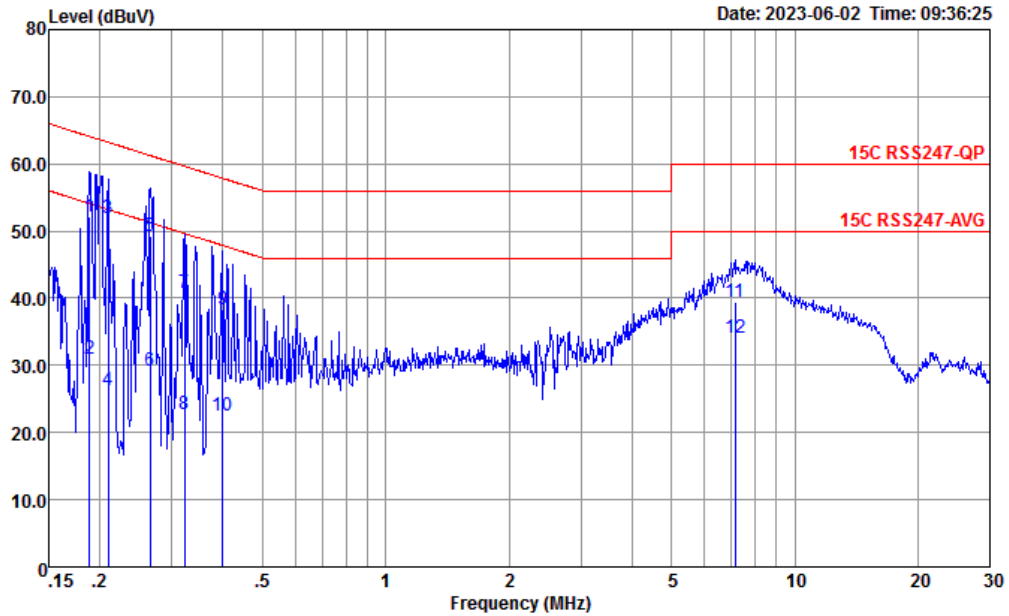


Site : CO01-KS
 Condition : 15C RSS247-QP LISN-060105-LINE LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.191	57.05	-6.93	63.98	46.60	0.03	10.42	QP
2	0.191	36.05	-17.93	53.98	25.60	0.03	10.42	Average
3	0.247	51.92	-9.94	61.86	41.50	0.04	10.38	QP
4	0.247	31.62	-20.24	51.86	21.20	0.04	10.38	Average
5	0.334	45.57	-13.78	59.35	35.20	0.04	10.33	QP
6	0.334	24.97	-24.38	49.35	14.60	0.04	10.33	Average
7	0.391	40.82	-17.21	58.03	30.51	0.01	10.30	QP
8	0.391	24.82	-23.21	48.03	14.51	0.01	10.30	Average
9	0.484	35.70	-20.57	56.27	25.50	-0.02	10.22	QP
10	0.484	22.80	-23.47	46.27	12.60	-0.02	10.22	Average
11	7.446	38.47	-21.53	60.00	28.29	-0.14	10.32	QP
12	7.446	25.97	-24.03	50.00	15.79	-0.14	10.32	Average



Test Engineer :	Amos	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	0.188	52.07	-12.04	64.11	41.60	0.05	10.42	QP
2	0.188	31.07	-23.04	54.11	20.60	0.05	10.42	Average
3 *	0.209	51.95	-11.28	63.23	41.50	0.04	10.41	QP
4	0.209	26.35	-26.88	53.23	15.90	0.04	10.41	Average
5	0.266	49.15	-12.10	61.25	38.80	-0.02	10.37	QP
6	0.266	29.15	-22.10	51.25	18.80	-0.02	10.37	Average
7	0.322	40.78	-18.88	59.66	30.49	-0.05	10.34	QP
8	0.322	22.78	-26.88	49.66	12.49	-0.05	10.34	Average
9	0.400	38.43	-19.43	57.86	28.20	-0.07	10.30	QP
10	0.400	22.46	-25.40	47.86	12.23	-0.07	10.30	Average
11	7.137	39.35	-20.65	60.00	29.20	-0.12	10.27	QP
12	7.137	34.05	-15.95	50.00	23.90	-0.12	10.27	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 Data

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	Remark
Mode 1	2400-2483.5	17	Bluetooth BR_GFSK	00	2402	1Mbps	-
Mode 2	2400-2483.5	17	Bluetooth BR_GFSK	39	2441	1Mbps	-
Mode 3	2400-2483.5	17	Bluetooth BR_GFSK	78	2480	1Mbps	-
Mode 26	2400-2483.5	17	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	2322.35	57.34	74.00	-16.66	H	PEAK	Pass	Band Edge
1	Bluetooth BR_GFSK	00	4804.00	45.65	74.00	-28.35	H	PEAK	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
2	Bluetooth BR_GFSK	39	7323.00	44.02	74.00	-29.98	H	PEAK	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2483.78	58.39	74.00	-15.61	V	PEAK	Pass	Band Edge
3	Bluetooth BR_GFSK	78	4960.00	48.00	74.00	-26.00	V	PEAK	Pass	Harmonic
26	Bluetooth BR_GFSK	78	909.79	34.28	46.00	-11.72	H	PEAK	Pass	LF



Mode	1																																																																																																										
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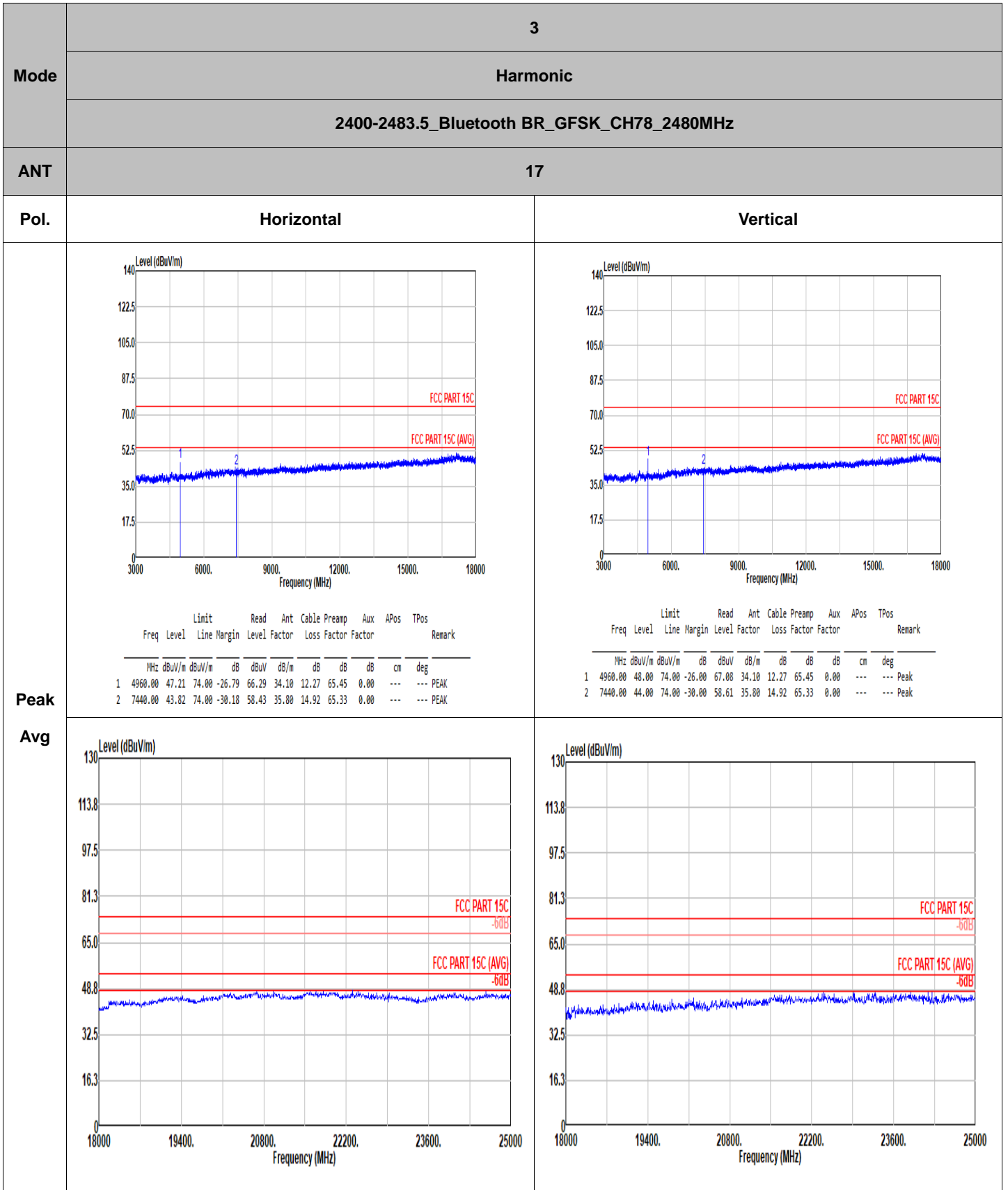
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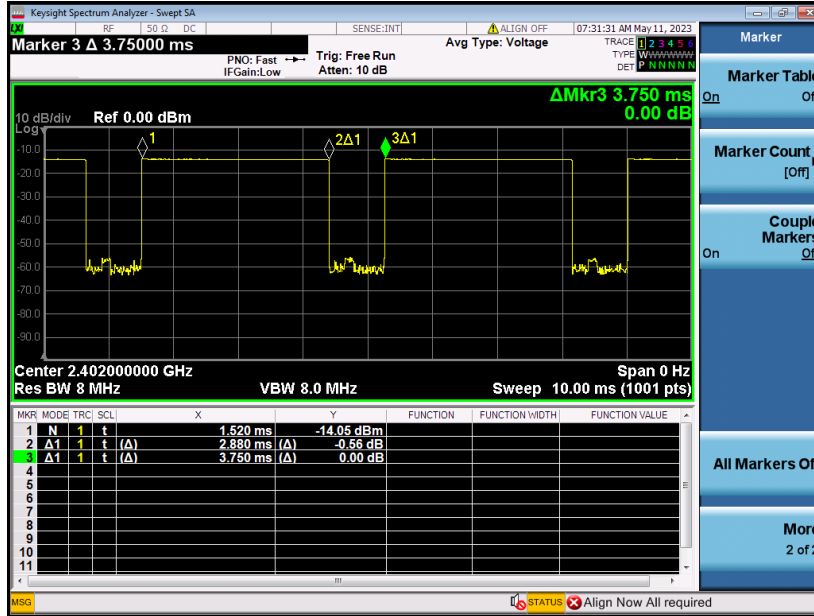




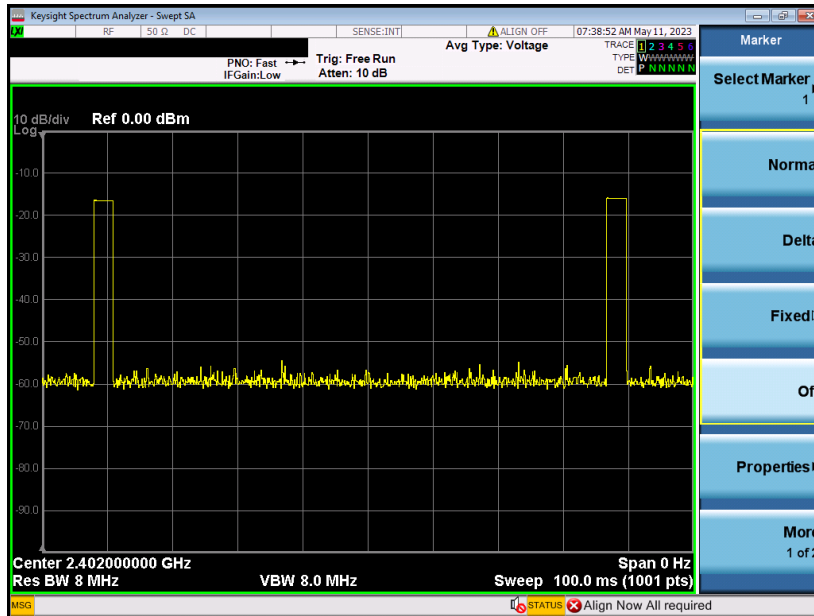
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Appendix D. Duty Cycle Plots 3DH5 on time (One Pulse) Plot on Channel 39



3DH5 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. 3DH5 has the highest duty cycle worst case and is reported.