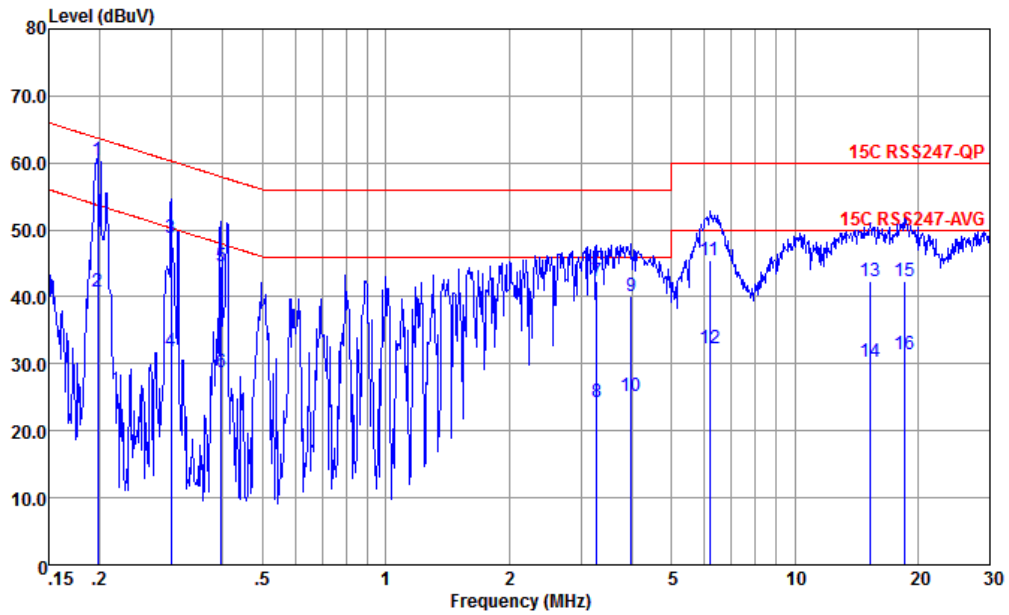




Appendix B. AC Conducted Emission Test Results

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.		

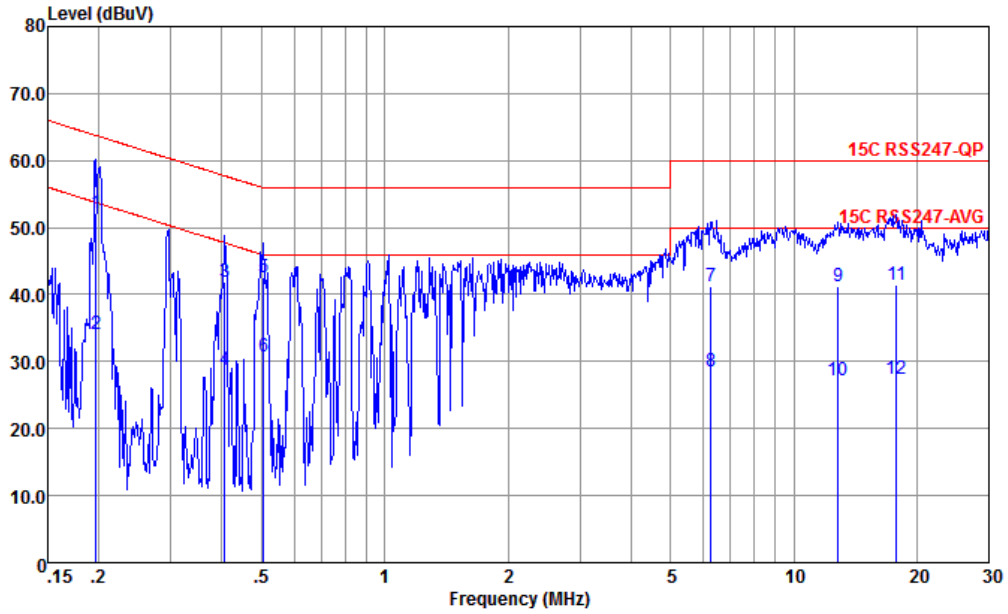


Site : CO01-KS
 Condition : 15C RSS247-QP LISN-060105-L 2024 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.198	60.34	-3.37	63.71	49.80	0.08	10.46	QP
2	0.198	40.79	-12.92	53.71	30.25	0.08	10.46	Average
3	0.299	48.77	-11.51	60.28	38.20	0.09	10.48	QP
4	0.299	31.77	-18.51	50.28	21.20	0.09	10.48	Average
5	0.396	44.67	-13.28	57.95	34.20	-0.02	10.49	QP
6	0.396	28.67	-19.28	47.95	18.20	-0.02	10.49	Average
7	3.276	42.25	-13.75	56.00	32.20	-0.17	10.22	QP
8	3.276	24.25	-21.75	46.00	14.20	-0.17	10.22	Average
9	3.985	40.22	-15.78	56.00	30.20	-0.19	10.21	QP
10	3.985	25.22	-20.78	46.00	15.20	-0.19	10.21	Average
11	6.186	45.46	-14.54	60.00	35.50	-0.22	10.18	QP
12	6.186	32.26	-17.74	50.00	22.30	-0.22	10.18	Average
13	15.307	42.29	-17.71	60.00	32.21	-0.20	10.28	QP
14	15.307	30.39	-19.61	50.00	20.31	-0.20	10.28	Average
15	18.524	42.41	-17.59	60.00	32.50	-0.38	10.29	QP
16	18.524	31.51	-18.49	50.00	21.60	-0.38	10.29	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-N 2024 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.197	52.09	-11.67	63.76	41.50	0.13	10.46	QP
2	0.197	34.19	-19.57	53.76	23.60	0.13	10.46	Average
3	0.406	41.85	-15.88	57.73	31.51	-0.14	10.48	QP
4	0.406	28.65	-19.08	47.73	18.31	-0.14	10.48	Average
5	0.505	42.46	-13.54	56.00	32.20	-0.15	10.41	QP
6	0.505	30.86	-15.14	46.00	20.60	-0.15	10.41	Average
7	6.285	41.19	-18.81	60.00	31.20	-0.19	10.18	QP
8	6.285	28.59	-21.41	50.00	18.60	-0.19	10.18	Average
9	12.852	41.25	-18.75	60.00	31.20	-0.22	10.27	QP
10	12.852	27.25	-22.75	50.00	17.20	-0.22	10.27	Average
11	17.849	41.51	-18.49	60.00	31.50	-0.28	10.29	QP
12	17.849	27.51	-22.49	50.00	17.50	-0.28	10.29	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

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

Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	3	Bluetooth BR_GFSK	0	2402	1Mbps	-	-
Mode 2	2400-2483.5	3	Bluetooth BR_GFSK	39	2441	1Mbps	-	-
Mode 3	2400-2483.5	3	Bluetooth BR_GFSK	78	2480	1Mbps	-	-

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	0	2386.83	53.25	74.00	-20.75	H	PEAK	Pass	Band Edge
1	Bluetooth BR_GFSK	0	4804.00	40.48	74.00	-33.52	V	PEAK	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
2	Bluetooth BR_GFSK	39	7323.00	43.88	74.00	-30.12	V	PEAK	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2484.13	57.51	74.00	-16.49	V	PEAK	Pass	Band Edge
3	Bluetooth BR_GFSK	78	7440.00	42.65	74.00	-31.35	H	PEAK	Pass	Harmonic



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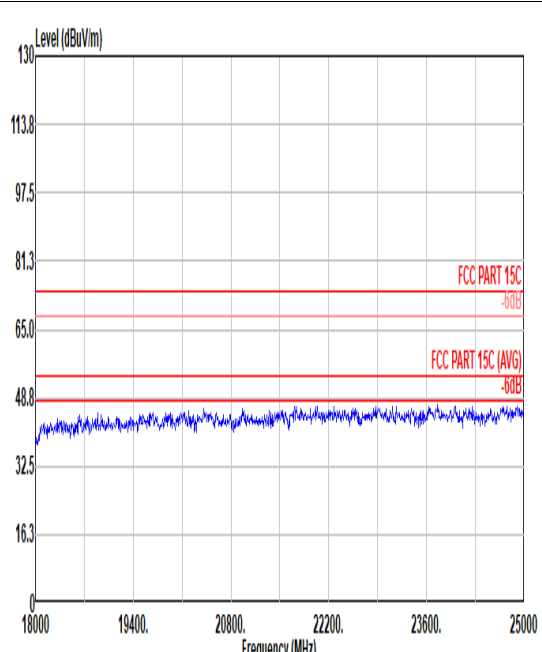
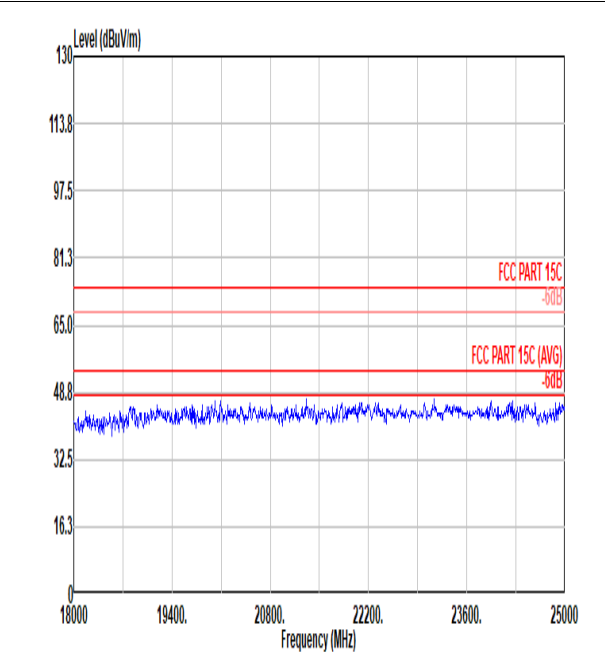


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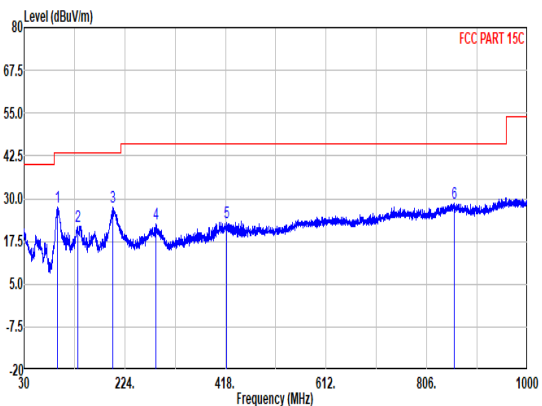
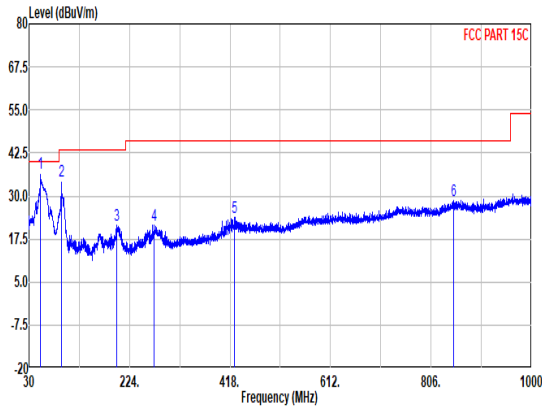


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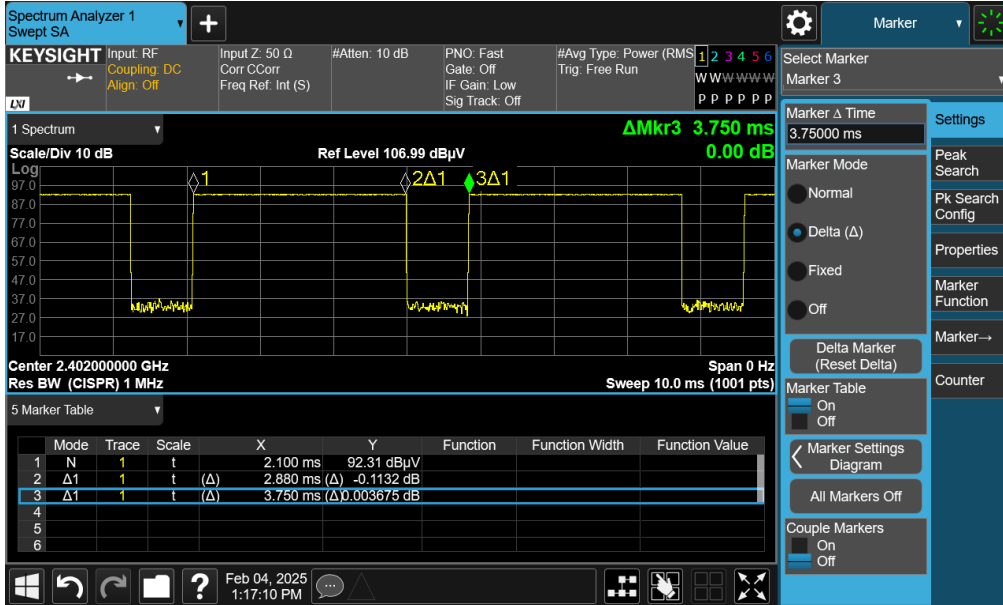
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Peak	 <p>Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a blue signal line with six peaks labeled 1 through 6. A red line indicates the FCC PART 15C limit, which is a step function starting at 42.5 dBuV/m and rising to 55.0 dBuV/m at 1000 MHz.</p>	 <p>Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a blue signal line with six peaks labeled 1 through 6. A red line indicates the FCC PART 15C limit, which is a step function starting at 42.5 dBuV/m and rising to 55.0 dBuV/m at 1000 MHz.</p>																																																																																																																																																																																																															
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Appendix D. Duty Cycle Plots

DH5 on time (One Pulse) Plot on Channel 00



DH5 on time (Count Pulses) Plot on Channel 00



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.