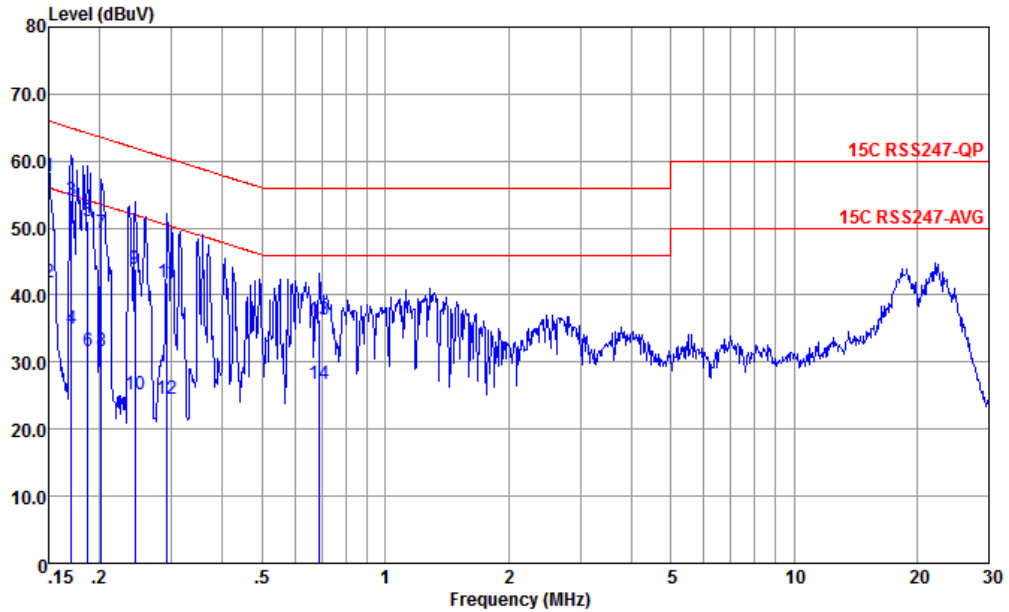




Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos Wang	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.		

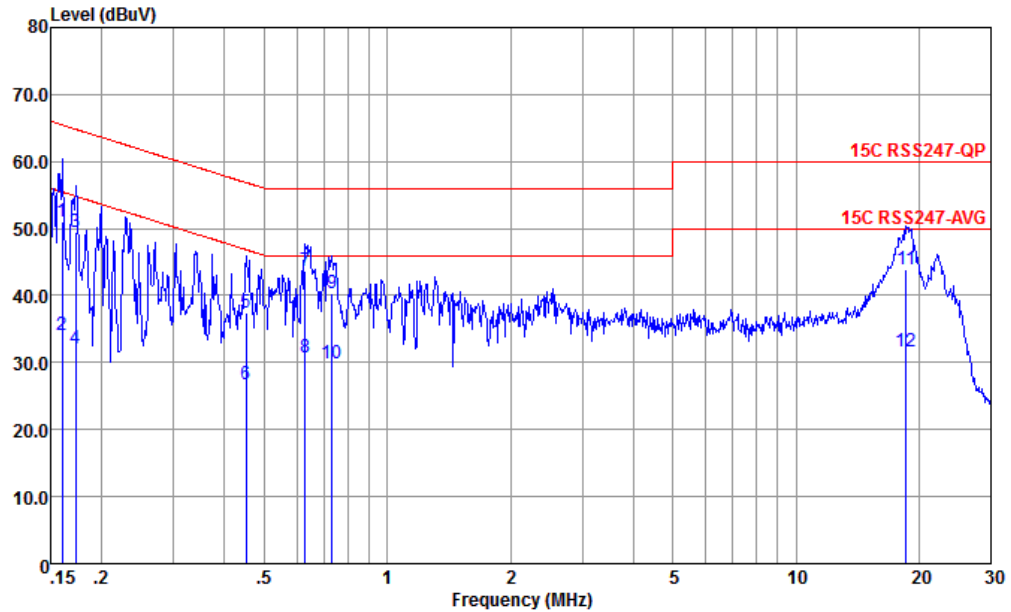


Site : CO01-KS
 Condition : 15C RSS247-QP LISN-060105-LINE LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.150	57.80	-8.20	66.00	47.30	0.07	10.43	QP
2	0.150	42.00	-14.00	56.00	31.50	0.07	10.43	Average
3	0.170	54.07	-10.87	64.94	43.59	0.05	10.43	QP
4	0.170	34.97	-19.97	54.94	24.49	0.05	10.43	Average
5	0.187	51.05	-13.10	64.15	40.60	0.03	10.42	QP
6	0.187	31.65	-22.50	54.15	21.20	0.03	10.42	Average
7	0.202	49.34	-14.20	63.54	38.90	0.02	10.42	QP
8	0.202	31.64	-21.90	53.54	21.20	0.02	10.42	Average
9	0.244	43.93	-18.02	61.95	33.50	0.04	10.39	QP
10	0.244	25.23	-26.72	51.95	14.80	0.04	10.39	Average
11	0.292	41.91	-18.55	60.46	31.50	0.06	10.35	QP
12	0.292	24.61	-25.85	50.46	14.20	0.06	10.35	Average
13	0.690	36.27	-19.73	56.00	26.20	-0.09	10.16	QP
14	0.690	26.67	-19.33	46.00	16.60	-0.09	10.16	Average



Test Engineer :	Amos Wang	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	0.160	51.06	-14.41	65.47	40.60	0.03	10.43	QP
2	0.160	34.06	-21.41	55.47	23.60	0.03	10.43	Average
3	0.173	49.36	-15.45	64.81	38.89	0.04	10.43	QP
4	0.173	32.06	-22.75	54.81	21.59	0.04	10.43	Average
5	0.452	37.38	-19.47	56.85	27.20	-0.07	10.25	QP
6	0.452	26.78	-20.07	46.85	16.60	-0.07	10.25	Average
7 *	0.630	43.59	-12.41	56.00	33.50	-0.09	10.18	QP
8	0.630	30.69	-15.31	46.00	20.60	-0.09	10.18	Average
9	0.731	40.36	-15.64	56.00	30.30	-0.09	10.15	QP
10	0.731	29.96	-16.04	46.00	19.90	-0.09	10.15	Average
11	18.622	43.94	-16.06	60.00	32.90	-0.26	11.30	QP
12	18.622	31.64	-18.36	50.00	20.60	-0.26	11.30	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	RU	Remark
Mode 1	2400-2483.5	5	Bluetooth BR_GFSK	00	2402	1Mbps	-	-
Mode 2	2400-2483.5	5	Bluetooth BR_GFSK	39	2441	1Mbps	-	-
Mode 3	2400-2483.5	5	Bluetooth BR_GFSK	78	2480	1Mbps	-	-
Mode 22	2400-2483.5	5	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	2389.43	56.99	74.00	-17.01	H	PEAK	Pass	Band Edge
	Bluetooth BR_GFSK	00	4804.00	43.60	74.00	-30.40	H	PEAK	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
	Bluetooth BR_GFSK	39	7323.00	45.25	74.00	-28.75	H	PEAK	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2483.54	59.46	74.00	-14.54	V	PEAK	Pass	Band Edge
	Bluetooth BR_GFSK	78	7440.00	44.93	74.00	-29.07	V	PEAK	Pass	Harmonic
22	Bluetooth BR_GFSK	78	214.3	29.39	43.5	-14.11	H	PEAK	Pass	LF



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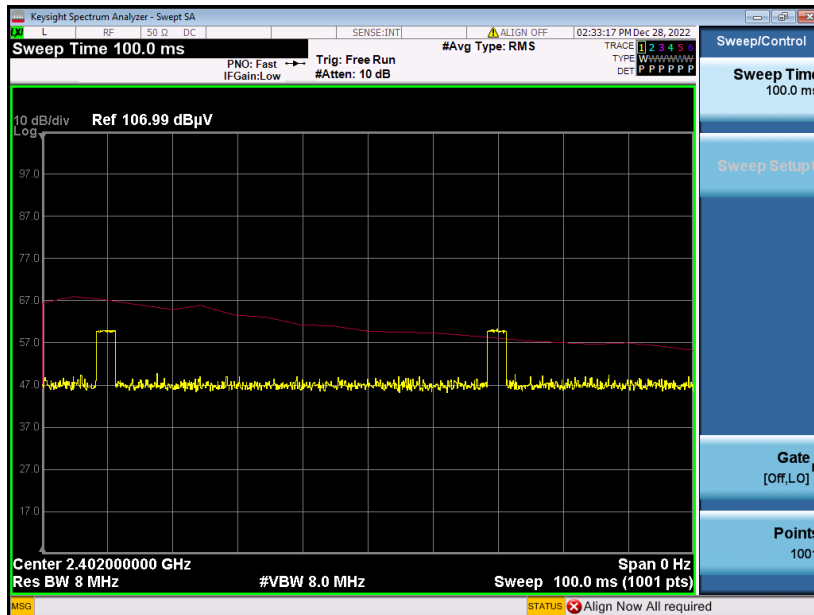


Appendix D. Duty Cycle Plots

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 * 2.882 / 100 = 5.76 %
2. Worst case Duty cycle correction factor = 20*log(Duty cycle) = -24.79 dB
3. DH5 has the highest duty cycle worst case and is reported.