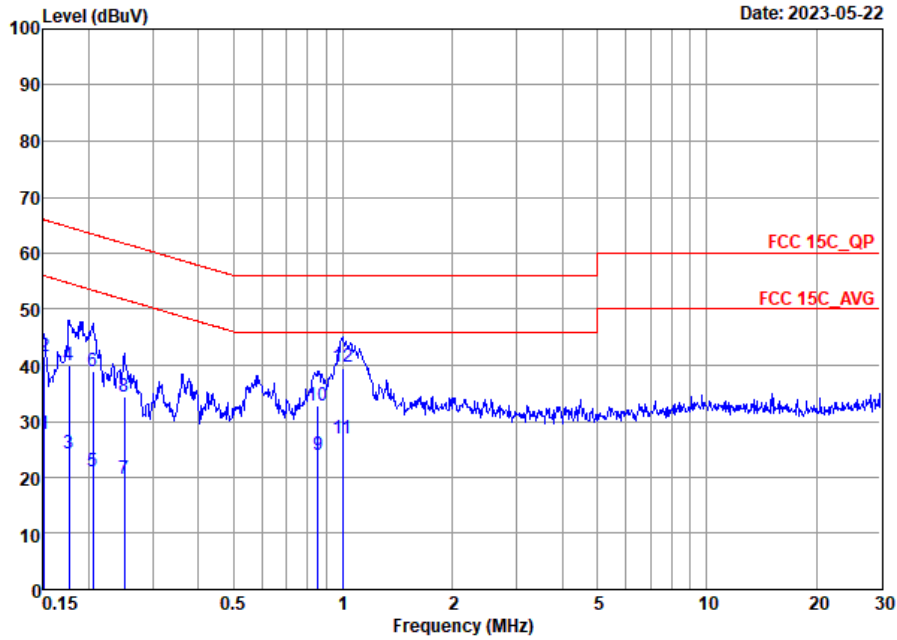




Appendix B. AC Conducted Emission Test Results

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

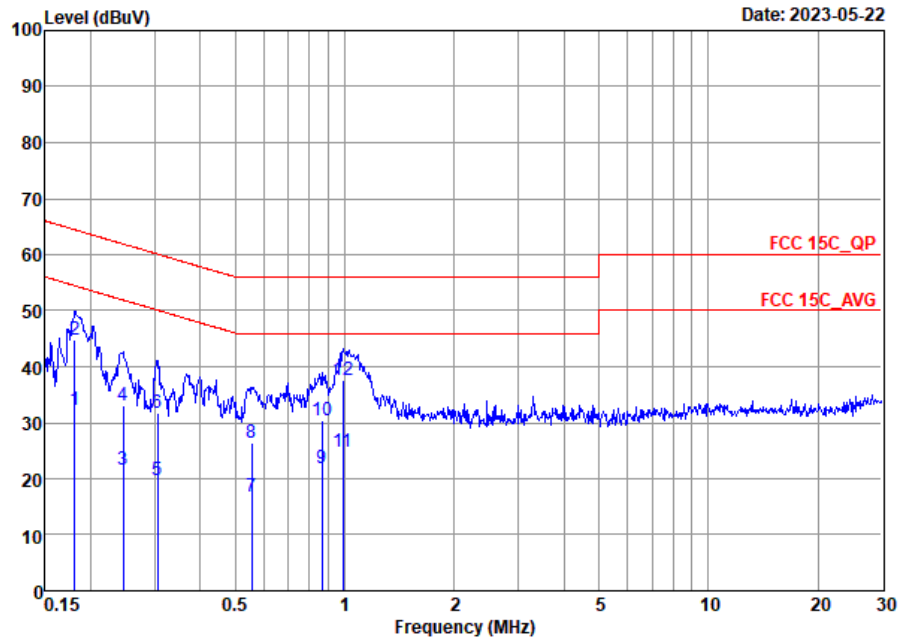


Site : CO01-SZ
 Condition: FCC 15C_QP LISN_20230420_L LINE

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	27.70	-28.26	55.96	7.10	10.47	10.13	Average
2	0.15	41.60	-24.36	65.96	21.00	10.47	10.13	QP
3	0.18	24.31	-30.33	54.64	3.71	10.46	10.14	Average
4	0.18	40.01	-24.63	64.64	19.41	10.46	10.14	QP
5	0.21	20.96	-32.44	53.40	0.40	10.41	10.15	Average
6	0.21	38.86	-24.54	63.40	18.30	10.41	10.15	QP
7	0.25	19.83	-31.90	51.73	-0.70	10.38	10.15	Average
8	0.25	34.53	-27.20	61.73	14.00	10.38	10.15	QP
9	0.85	24.00	-22.00	46.00	3.60	10.24	10.16	Average
10	0.85	32.90	-23.10	56.00	12.50	10.24	10.16	QP
11	1.00	26.80	-19.20	46.00	6.40	10.24	10.16	Average
12 *	1.00	39.60	-16.40	56.00	19.20	10.24	10.16	QP



Test Engineer :	Lily Qiu	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 : C001-SZ
 Condition: FCC 15C_QP LISN_20230420_N NEUTRAL

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.18	32.24	-22.22	54.46	11.70	10.40	10.14	Average
2	0.18	44.84	-19.62	64.46	24.30	10.40	10.14	QP
3	0.25	21.57	-30.34	51.91	1.10	10.32	10.15	Average
4	0.25	33.07	-28.84	61.91	12.60	10.32	10.15	QP
5	0.31	19.76	-30.34	50.10	-0.69	10.30	10.15	Average
6	0.31	31.76	-28.34	60.10	11.31	10.30	10.15	QP
7	0.56	16.78	-29.22	46.00	-3.60	10.22	10.16	Average
8	0.56	26.48	-29.52	56.00	6.10	10.22	10.16	QP
9	0.87	21.98	-24.02	46.00	1.60	10.22	10.16	Average
10	0.87	30.38	-25.62	56.00	10.00	10.22	10.16	QP
11	0.99	24.90	-21.10	46.00	4.50	10.24	10.16	Average
12 *	0.99	37.50	-18.50	56.00	17.10	10.24	10.16	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 Data

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	Remark
Mode 1	2400-2483.5	17	Bluetooth BR_GFSK	00	2402	1DH5	-
Mode 2	2400-2483.5	17	Bluetooth BR_GFSK	39	2441	1DH5	-
Mode 3	2400-2483.5	17	Bluetooth BR_GFSK	78	2480	1DH5	-
Mode 4	-	17	Bluetooth BR_GFSK	78	2480	1DH5	LF
Mode 5	2400-2483.5	6	Bluetooth BR_GFSK	00	2402	1DH5	-
Mode 6	2400-2483.5	6	Bluetooth BR_GFSK	39	2441	1DH5	-
Mode 7	2400-2483.5	6	Bluetooth BR_GFSK	78	2480	1DH5	-
Mode 8	-	6	Bluetooth BR_GFSK	00	2402	1DH5	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	2385.53	48.25	74.00	-25.75	H	PEAK	Pass	Band Edge
1	Bluetooth BR_GFSK	00	4804.00	48.26	74.00	-25.74	H	Peak	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
2	Bluetooth BR_GFSK	39	4882.00	47.98	74.00	-26.02	V	Peak	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2483.60	59.49	74.00	-14.51	H	PEAK	Pass	Band Edge
3	Bluetooth BR_GFSK	78	7440.00	47.89	74.00	-26.11	V	Peak	Pass	Harmonic
4	Bluetooth BR_GFSK	78	30.00	25.6	40	-14.4	H	Peak	Pass	LF
5	Bluetooth BR_GFSK	00	2374.03	51.98	74.00	-22.02	V	PEAK	Pass	Band Edge
5	Bluetooth BR_GFSK	00	4804.00	47.45	74.00	-26.55	V	Peak	Pass	Harmonic
6	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
6	Bluetooth BR_GFSK	39	4882.00	47.39	74.00	-26.61	V	Peak	Pass	Harmonic
7	Bluetooth BR_GFSK	78	2483.83	49.69	74.00	-24.31	V	PEAK	Pass	Band Edge
7	Bluetooth BR_GFSK	78	7440.00	47.08	74.00	-26.92	V	Peak	Pass	Harmonic
8	Bluetooth BR_GFSK	00	30.00	24.45	40	-15.55	V	Peak	Pass	LF



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3	7440.00	47.89	74.00	-26.11	50.29	35.93	10.17	48.50	---	---	Peak																																																																																																																																							
4	7440.00	22.90	54.00	-31.10	25.30	35.93	10.17	48.50	---	---	Average																																																																																																																																							



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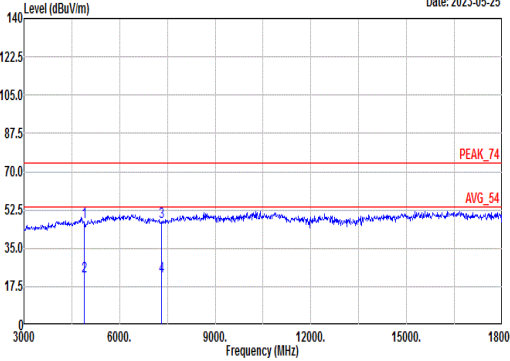
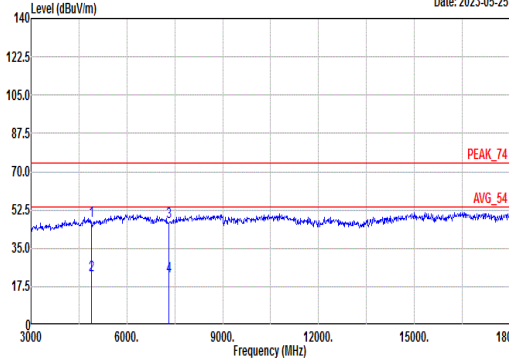
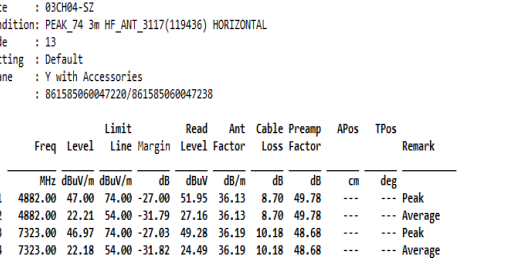
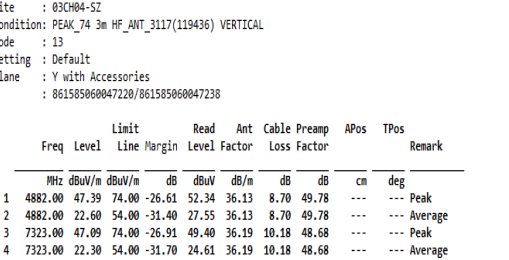


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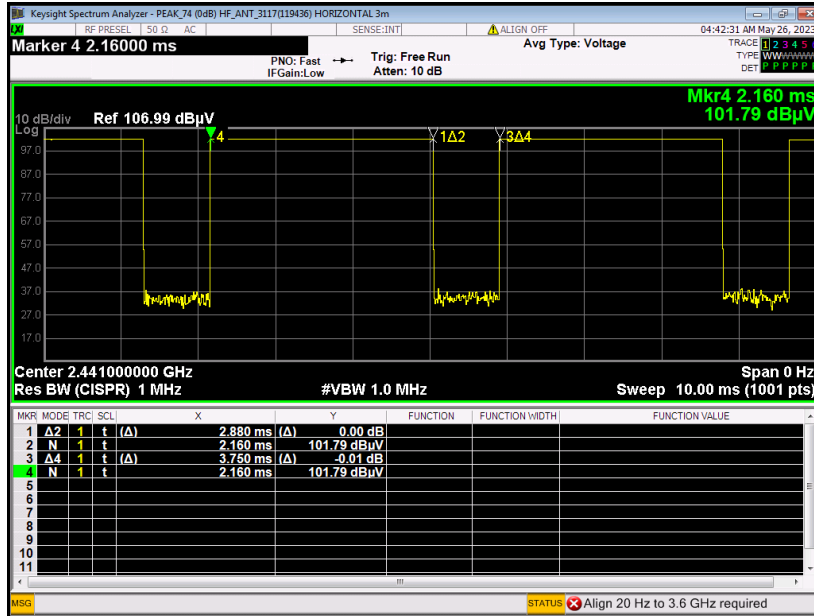


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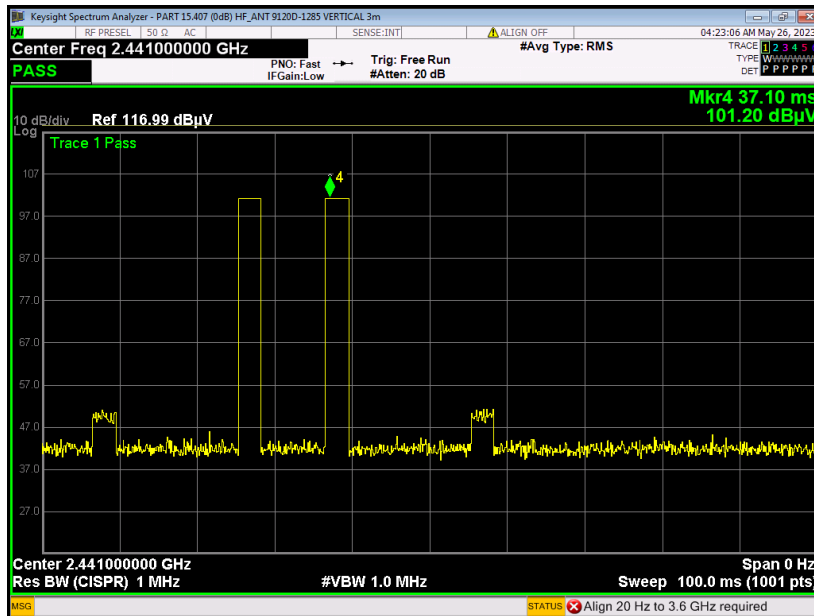


Appendix D. Duty Cycle Plots <Ant.6>

DH5 on time (One Pulse) Plot on Channel 39



DH5 on time (Count Pulses) Plot on Channel 39



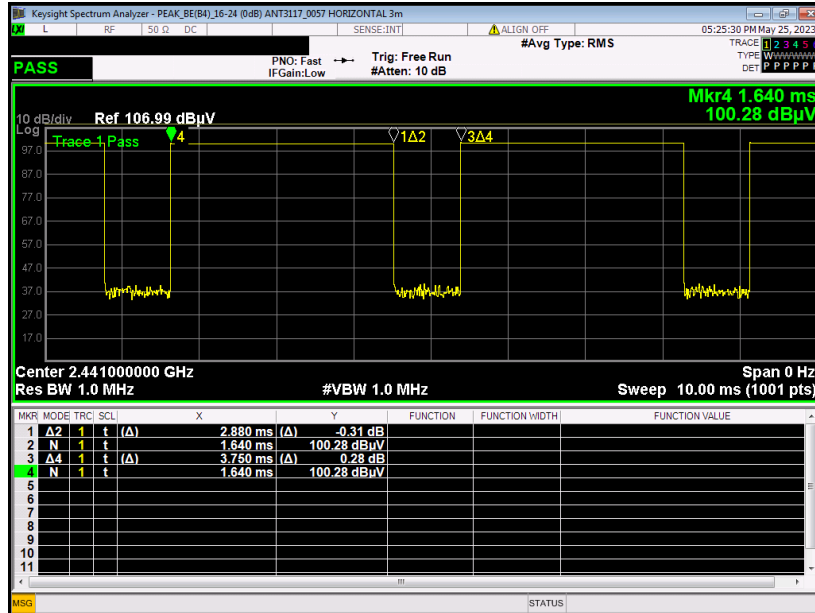
Note:

1. Worst case Duty cycle = on time/100 milliseconds = 2 * 2.880 / 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.

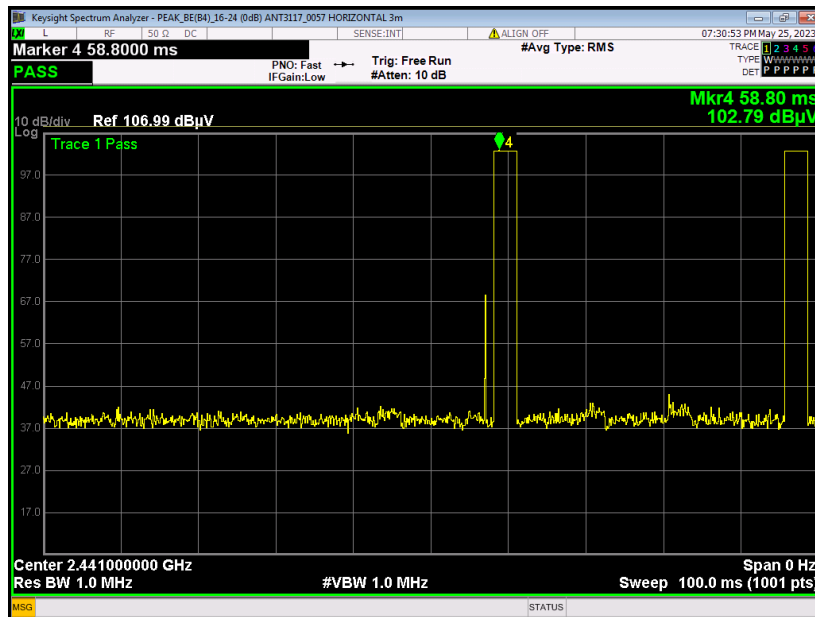


<Ant.17>

DH5 on time (One Pulse) Plot on Channel 39



DH5 on time (Count Pulses) Plot on Channel 39



Note:

4. Worst case Duty cycle = on time/100 milliseconds = 2 * 2.880 / 100 = 5.76 %
5. Worst case Duty cycle correction factor = 20*log(Duty cycle) = -24.79 dB
6. DH5 has the highest duty cycle worst case and is reported.