

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.544	2402.489	---	---
		2441	0.963	2440.538	2441.501	---	---
		2480	0.945	2479.541	2480.486	---	---
2DH5	Ant1	2402	1.263	2401.373	2402.636	---	---
		2441	1.239	2440.376	2441.615	---	---
		2480	1.317	2479.343	2480.660	---	---
3DH5	Ant1	2402	1.299	2401.352	2402.651	---	---
		2441	1.305	2440.352	2441.657	---	---
		2480	1.269	2479.361	2480.630	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88079	2401.5653	2402.4461	---	---
		2441	0.88738	2440.5617	2441.4490	---	---
		2480	0.89319	2479.5600	2480.4531	---	---
2DH5	Ant1	2402	1.1681	2401.4191	2402.5872	---	---
		2441	1.1741	2440.4171	2441.5912	---	---
		2480	1.1680	2479.4183	2480.5863	---	---
3DH5	Ant1	2402	1.1647	2401.4246	2402.5893	---	---
		2441	1.1689	2440.4209	2441.5898	---	---
		2480	1.1718	2479.4199	2480.5917	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.89	≤30	PASS
		2441	1.02	≤30	PASS
		2480	1.21	≤30	PASS
2DH5	Ant1	2402	1.61	≤20.97	PASS
		2441	1.68	≤20.97	PASS
		2480	1.87	≤20.97	PASS
3DH5	Ant1	2402	2.18	≤20.97	PASS
		2441	2.2	≤20.97	PASS
		2480	2.34	≤20.97	PASS

Test Mode	Antenna	Frequency[MHz]	E.I.R.P[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.66	≤36	PASS
		2441	2.79	≤36	PASS
		2480	2.98	≤36	PASS
2DH5	Ant1	2402	3.38	≤36	PASS
		2441	3.45	≤36	PASS
		2480	3.64	≤36	PASS
3DH5	Ant1	2402	3.95	≤36	PASS
		2441	3.97	≤36	PASS
		2480	4.11	≤36	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.03	≥ 0.963	PASS
2DH5	Ant1	Hop	1.004	≥ 0.878	PASS
3DH5	Ant1	Hop	0.992	≥ 0.870	PASS

Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.868	106.67	0.306	≤0.4	PASS
2DH5	Ant1	Hop	2.875	106.67	0.307	≤0.4	PASS
3DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS

Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



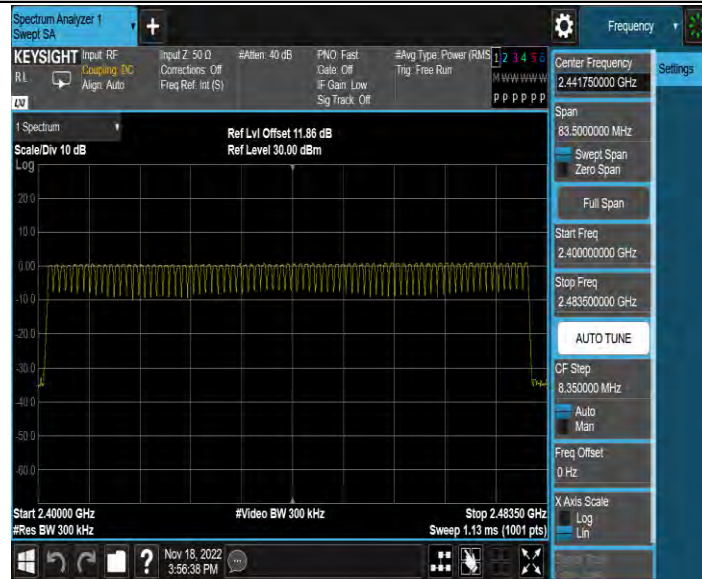
Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

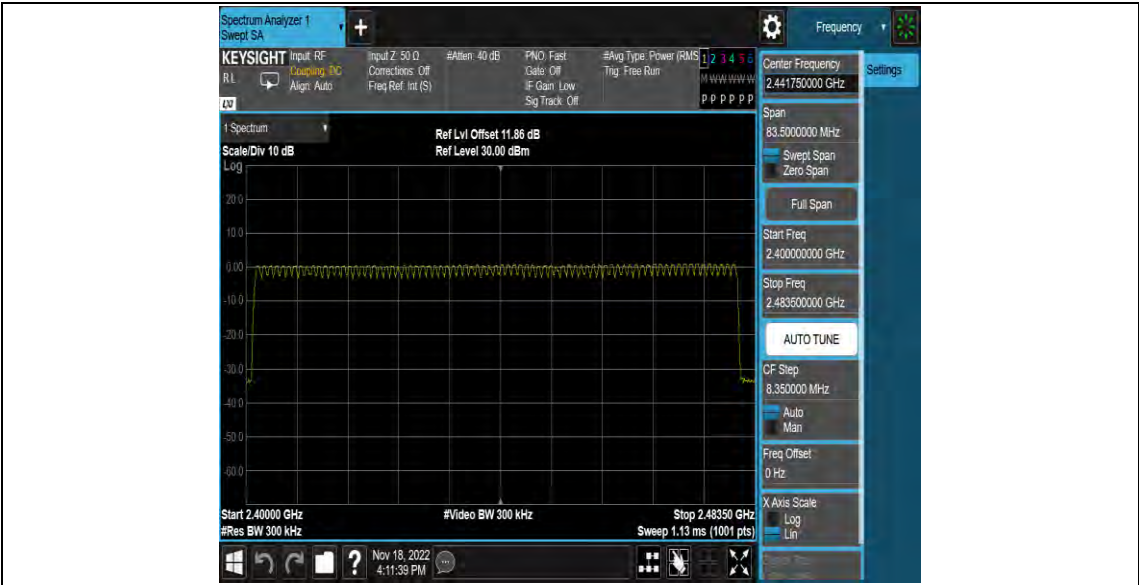
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.15	-46.69	≤-19.85	PASS
		High	2480	0.31	-46.64	≤-19.69	PASS
		Low	Hop_2402	-0.25	-46.83	≤-20.25	PASS
		High	Hop_2480	0.48	-45.99	≤-19.52	PASS
2DH5	Ant1	Low	2402	-0.66	-46.45	≤-20.66	PASS
		High	2480	-0.15	-46.37	≤-20.15	PASS
		Low	Hop_2402	-0.58	-46.04	≤-20.58	PASS
		High	Hop_2480	-2.67	-46.99	≤-22.67	PASS
3DH5	Ant1	Low	2402	-0.17	-46.55	≤-20.17	PASS
		High	2480	0.32	-46.58	≤-19.68	PASS
		Low	Hop_2402	-1.93	-47.28	≤-21.93	PASS
		High	Hop_2480	0.44	-46.39	≤-19.56	PASS

Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-56.78	≤-19.89	PASS
			1000~26500	0.11	-42.39	≤-19.89	PASS
		2441	Reference	0.24	0.24	---	PASS
			30~1000	0.24	-56.14	≤-19.76	PASS
			1000~26500	0.24	-40.97	≤-19.76	PASS
		2480	Reference	0.36	0.36	---	PASS
			30~1000	0.36	-56.43	≤-19.64	PASS
			1000~26500	0.36	-41.02	≤-19.64	PASS
2DH5	Ant1	2402	Reference	-0.08	-0.08	---	PASS
			30~1000	-0.08	-55.94	≤-20.08	PASS
			1000~26500	-0.08	-42.39	≤-20.08	PASS
		2441	Reference	0.09	0.09	---	PASS
			30~1000	0.09	-55.12	≤-19.91	PASS
			1000~26500	0.09	-41.04	≤-19.91	PASS
		2480	Reference	0.19	0.19	---	PASS
			30~1000	0.19	-56.61	≤-19.81	PASS
			1000~26500	0.19	-40.85	≤-19.81	PASS
3DH5	Ant1	2402	Reference	0.07	0.07	---	PASS
			30~1000	0.07	-55.36	≤-19.93	PASS
			1000~26500	0.07	-42.45	≤-19.93	PASS
		2441	Reference	0.22	0.22	---	PASS
			30~1000	0.22	-56.59	≤-19.78	PASS
			1000~26500	0.22	-41.21	≤-19.78	PASS
		2480	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-55.13	≤-19.66	PASS
			1000~26500	0.34	-40.7	≤-19.66	PASS

Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]
DH5	Ant1	2402	2.87	3.75	76.53
		2441	2.87	3.75	76.53
		2480	2.87	3.75	76.53
2DH5	Ant1	2402	2.89	3.75	77.07
		2441	2.89	3.75	77.07
		2480	2.88	3.75	76.80
3DH5	Ant1	2402	2.89	3.75	77.07
		2441	2.88	3.75	76.80
		2480	2.88	3.76	76.60

Duty Cycle Correction Factor Consideration for AFH mode:

Bluetooth normal hopping rate is 1600Hz and reduced to 800Hz in AFH mode; due to the reduced number of hopping frequencies, with the same packet configuration the dwell time in each channel frequency within 100msec period is longer in AFH mode than normal mode.

In AFH mode, the minimum hopping frequencies are 20, to get the longest dwell time DH5 packet is observed; the on time period to have DH5 packet completing one hopping sequence is

$$2.89 \text{ ms} \times 20 \text{ channels} = 57.8\text{ms}$$

There cannot be 2 complete hopping sequences within 100ms period, considering the random hopping behavior, maximum 2 hops can be possibly observed within the period. $[100 \text{ ms} / 57.8 \text{ ms}] = 2$ hops Thus, the maximum possible ON time:

$$2.89 \text{ ms} \times 2 = 5.78\text{ms}$$

Worst case Duty Cycle Correction factor, which is derived from the maximum possible ON time,

$$20 \times \log(5.78 \text{ ms}/100 \text{ ms}) = -24.76 \text{ dB}$$

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix L: Emissions in Restricted Bands

Test Result

Mode:	DH5-2402
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	2310	39.61	47.07	7.46	74.00	26.93	Horizontal	PASS
2	2320.65	41.40	48.86	7.46	74.00	25.14	Horizontal	PASS
3	2342.35	40.84	48.29	7.45	74.00	25.71	Horizontal	PASS
4	2361.81	41.35	48.80	7.45	74.00	25.20	Horizontal	PASS
5	2374.22	40.89	48.34	7.45	74.00	25.66	Horizontal	PASS
6	2390	39.66	47.11	7.45	74.00	26.89	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	2310	40.76	48.22	7.46	74.00	25.78	Vertical	PASS
2	2326.65	41.43	48.89	7.46	74.00	25.11	Vertical	PASS
3	2347.95	41.15	48.61	7.46	74.00	25.39	Vertical	PASS
4	2361.65	42.16	49.61	7.45	74.00	24.39	Vertical	PASS
5	2371.18	42.38	49.83	7.45	74.00	24.17	Vertical	PASS
6	2390	40.31	47.76	7.45	74.00	26.24	Vertical	PASS

Mode:	DH5-2480
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dB μ V/m]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Polarity	Verdict
1	2483.5	40.06	48.02	7.96	74.00	25.98	Horizontal	PASS
2	2484.67	42.64	50.60	7.96	74.00	23.40	Horizontal	PASS
3	2488.21	40.67	48.66	7.99	74.00	25.34	Horizontal	PASS
4	2493.48	41.78	49.80	8.02	74.00	24.20	Horizontal	PASS
5	2495.64	41.60	49.64	8.04	74.00	24.36	Horizontal	PASS
6	2500	39.95	48.01	8.06	74.00	25.99	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dB μ V/m]	Level [dB μ V/m]	Factor [dB/m]	Limit [dB μ V/m]	Margin [dB]	Polarity	Verdict
1	2483.5	40.24	48.20	7.96	74.00	25.80	Vertical	PASS
2	2485.99	41.50	49.48	7.98	74.00	24.52	Vertical	PASS
3	2489.34	41.44	49.44	8.00	74.00	24.56	Vertical	PASS
4	2492.54	41.12	49.13	8.01	74.00	24.87	Vertical	PASS
5	2496.98	41.91	49.95	8.04	74.00	24.05	Vertical	PASS
6	2500	39.99	48.05	8.06	74.00	25.95	Vertical	PASS

Mode:	2DH5-2402
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	2310	39.36	46.82	7.46	74.00	27.18	Horizontal	PASS
2	2334.90	40.94	48.39	7.45	74.00	25.61	Horizontal	PASS
3	2346.03	40.58	48.04	7.46	74.00	25.96	Horizontal	PASS
4	2354.28	41.18	48.63	7.45	74.00	25.37	Horizontal	PASS
5	2370.54	40.98	48.43	7.45	74.00	25.57	Horizontal	PASS
6	2390	39.96	47.41	7.45	74.00	26.59	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	2310	40.03	47.49	7.46	74.00	26.51	Vertical	PASS
2	2328.73	41.01	48.47	7.46	74.00	25.53	Vertical	PASS
3	2349.79	40.48	47.94	7.46	74.00	26.06	Vertical	PASS
4	2364.93	41.60	49.05	7.45	74.00	24.95	Vertical	PASS
5	2376.46	40.43	47.89	7.46	74.00	26.11	Vertical	PASS
6	2390	39.83	47.28	7.45	74.00	26.72	Vertical	PASS

Mode:	2DH5-2480
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	2483.5	39.81	47.77	7.96	74.00	26.23	Horizontal	PASS
2	2485.51	41.01	48.99	7.98	74.00	25.01	Horizontal	PASS
3	2490.34	41.02	49.02	8.00	74.00	24.98	Horizontal	PASS
4	2493.73	42.21	50.23	8.02	74.00	23.77	Horizontal	PASS
5	2494.78	40.99	49.01	8.02	74.00	24.99	Horizontal	PASS
6	2500	40.79	48.85	8.06	74.00	25.15	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	2483.5	40.20	48.16	7.96	74.00	25.84	Vertical	PASS
2	2487.62	41.11	49.10	7.99	74.00	24.90	Vertical	PASS
3	2490.59	40.97	48.97	8.00	74.00	25.03	Vertical	PASS
4	2492.19	40.80	48.81	8.01	74.00	25.19	Vertical	PASS
5	2495.56	40.98	49.02	8.04	74.00	24.98	Vertical	PASS
6	2500	41.11	49.17	8.06	74.00	24.83	Vertical	PASS

Mode:	3DH5-2402
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	2310	39.69	47.15	7.46	74.00	26.85	Horizontal	PASS
2	2323.05	40.99	48.44	7.45	74.00	25.56	Horizontal	PASS
3	2343.23	40.56	48.01	7.45	74.00	25.99	Horizontal	PASS
4	2358.52	40.62	48.08	7.46	74.00	25.92	Horizontal	PASS
5	2369.01	41.00	48.45	7.45	74.00	25.55	Horizontal	PASS
6	2390	39.74	47.19	7.45	74.00	26.81	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	2310	38.97	46.43	7.46	74.00	27.57	Vertical	PASS
2	2329.13	40.53	47.99	7.46	74.00	26.01	Vertical	PASS
3	2336.98	41.08	48.54	7.46	74.00	25.46	Vertical	PASS
4	2352.52	41.55	49.00	7.45	74.00	25.00	Vertical	PASS
5	2369.57	41.50	48.95	7.45	74.00	25.05	Vertical	PASS
6	2390	40.52	47.97	7.45	74.00	26.03	Vertical	PASS

Mode:	3DH5-2480
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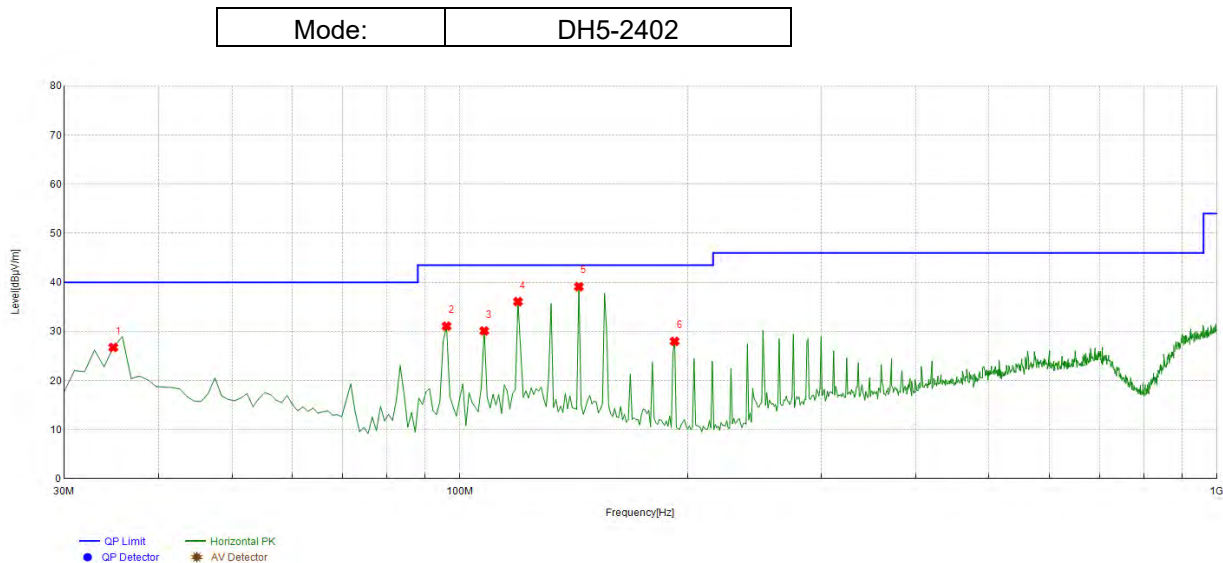
PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	2483.5	40.09	48.05	7.96	74.00	25.95	Horizontal	PASS
2	2489.11	41.68	49.67	7.99	74.00	24.33	Horizontal	PASS
3	2490.82	41.42	49.42	8.00	74.00	24.58	Horizontal	PASS
4	2495.18	41.41	49.45	8.04	74.00	24.55	Horizontal	PASS
5	2496.94	42.31	50.35	8.04	74.00	23.65	Horizontal	PASS
6	2500	39.11	47.17	8.06	74.00	26.83	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	2483.5	39.90	47.86	7.96	74.00	26.14	Vertical	PASS
2	2487.65	41.59	49.58	7.99	74.00	24.42	Vertical	PASS
3	2490.67	41.22	49.22	8.00	74.00	24.78	Vertical	PASS
4	2493.69	40.71	48.73	8.02	74.00	25.27	Vertical	PASS
5	2496.10	41.27	49.31	8.04	74.00	24.69	Vertical	PASS
6	2500	41.33	49.39	8.06	74.00	24.61	Vertical	PASS

Note:

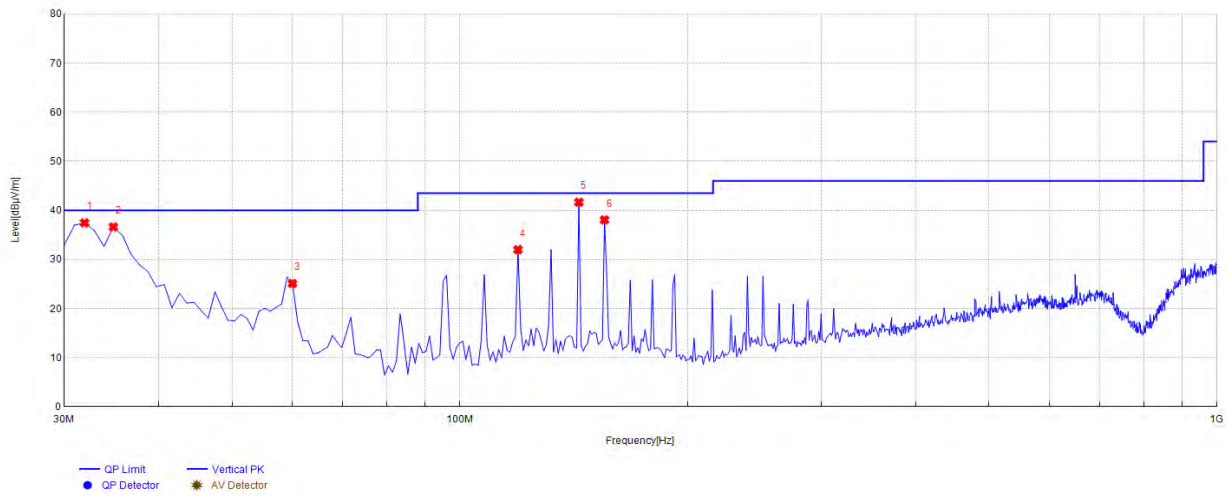
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Appendix L: Spurious emissions



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	34.8549	43.11	26.74	-16.37	40.00	13.26	Horizontal	PASS
2	96.026	51.49	31.07	-20.42	43.50	12.43	Horizontal	PASS
3	107.677	49.67	30.10	-19.57	43.50	13.40	Horizontal	PASS
4	119.329	54.48	36.06	-18.42	43.50	7.44	Horizontal	PASS
5	143.603	56.08	39.11	-16.97	43.50	4.39	Horizontal	PASS
6	192.152	47.03	27.97	-19.06	43.50	15.53	Horizontal	PASS

Mode:	DH5-2402
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NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	31.9419	54.27	37.44	-16.83	40.00	2.56	Vertical	PASS
2	34.8549	52.99	36.62	-16.37	40.00	3.38	Vertical	PASS
3	60.1001	42.68	25.09	-17.59	40.00	14.91	Vertical	PASS
4	119.329	50.42	32.00	-18.42	43.50	11.50	Vertical	PASS
5	143.603	58.62	41.65	-16.97	43.50	1.85	Vertical	PASS
6	155.255	54.57	38.05	-16.52	43.50	5.45	Vertical	PASS

Mode:	DH5-2402
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	1630.63	40.42	43.94	3.52	74.00	30.06	Horizontal	PASS
2	3890.29	58.90	44.60	-14.30	74.00	29.40	Horizontal	PASS
3	4805.60	71.61	59.35	-12.26	74.00	14.65	Horizontal	PASS
4	7206.40	57.30	47.99	-9.31	74.00	26.01	Horizontal	PASS
5	9607.20	66.09	60.10	-5.99	74.00	13.90	Horizontal	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	4805.60	59.35	-24.76	34.59	54.00	19.41	Horizontal	PASS
2	9607.20	60.10	-24.76	35.34	54.00	18.66	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	1834.83	39.87	45.27	5.40	74.00	28.73	Vertical	PASS
2	3945.31	61.95	47.36	-14.59	74.00	26.64	Vertical	PASS
3	4805.60	69.57	57.31	-12.26	74.00	16.69	Vertical	PASS
4	7206.40	58.50	49.19	-9.31	74.00	24.81	Vertical	PASS
5	9607.20	66.61	60.62	-5.99	74.00	13.38	Vertical	PASS
6	13473.4	49.67	49.47	-0.20	74.00	24.53	Vertical	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	4805.60	57.31	-24.76	32.55	54.00	21.45	Vertical	PASS
2	9607.20	60.62	-24.76	35.86	54.00	18.14	Vertical	PASS

Mode:	DH5-2441
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	1574.57	39.49	42.51	3.02	74.00	31.49	Horizontal	PASS
2	1894.89	39.74	45.98	6.24	74.00	28.02	Horizontal	PASS
3	4880.62	69.11	56.16	-12.95	74.00	17.84	Horizontal	PASS
4	7321.44	57.44	48.28	-9.16	74.00	25.72	Horizontal	PASS
5	9762.25	65.48	59.38	-6.10	74.00	14.62	Horizontal	PASS
6	13293.4	48.35	48.79	0.44	74.00	25.21	Horizontal	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	4880.62	56.16	-24.76	31.40	54.00	22.60	Horizontal	PASS
2	9762.25	59.38	-24.76	34.62	54.00	19.38	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	1362.36	39.81	41.46	1.65	74.00	32.54	Vertical	PASS
2	3945.31	59.31	44.72	-14.59	74.00	29.28	Vertical	PASS
3	4880.62	69.05	56.10	-12.95	74.00	17.90	Vertical	PASS
4	7321.44	55.93	46.77	-9.16	74.00	27.23	Vertical	PASS
5	9762.25	67.67	61.57	-6.10	74.00	12.43	Vertical	PASS
6	13888.6	48.26	49.09	0.83	74.00	24.91	Vertical	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	4880.62	56.10	-24.76	31.34	54.00	22.66	Vertical	PASS
2	9762.25	61.57	-24.76	36.81	54.00	17.19	Vertical	PASS

Mode:	DH5-2480
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	1548.54	40.21	42.89	2.68	74.00	31.11	Horizontal	PASS
2	4235.41	58.11	43.86	-14.25	74.00	30.14	Horizontal	PASS
3	4960.65	69.42	56.51	-12.91	74.00	17.49	Horizontal	PASS
4	7441.48	56.14	47.35	-8.79	74.00	26.65	Horizontal	PASS
5	9922.30	66.88	61.34	-5.54	74.00	12.66	Horizontal	PASS
6	13493.4	49.28	49.08	-0.20	74.00	24.92	Horizontal	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/ m]	Margin [dB]	Polarity	Verdict
1	4960.65	56.51	-24.76	31.75	54.00	22.25	Horizontal	PASS
2	9922.30	61.34	-24.76	36.58	54.00	17.42	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	1488.48	39.66	41.67	2.01	74.00	32.33	Vertical	PASS
2	3945.31	58.47	43.88	-14.59	74.00	30.12	Vertical	PASS
3	4960.65	68.07	55.16	-12.91	74.00	18.84	Vertical	PASS
4	7441.48	55.03	46.24	-8.79	74.00	27.76	Vertical	PASS
5	9922.30	68.60	63.06	-5.54	74.00	10.94	Vertical	PASS
6	14788.9	48.56	50.36	1.80	74.00	23.64	Vertical	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/ m]	Margin [dB]	Polarity	Verdict
1	4960.65	55.16	-24.76	30.40	54.00	23.60	Vertical	PASS
2	9922.30	63.06	-24.76	38.30	54.00	15.70	Vertical	PASS

Mode:	2DH5-2402
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	3830.27	58.47	43.56	-14.91	74.00	30.44	Horizontal	PASS
2	4805.60	70.15	57.89	-12.26	74.00	16.11	Horizontal	PASS
3	7206.40	57.60	48.29	-9.31	74.00	25.71	Horizontal	PASS
4	9607.20	65.81	59.82	-5.99	74.00	14.18	Horizontal	PASS
5	12728.2	50.23	49.39	-0.84	74.00	24.61	Horizontal	PASS
6	17804.9	46.99	52.87	5.88	74.00	21.13	Horizontal	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/ m]	Margin [dB]	Polarity	Verdict
1	4805.60	57.89	-24.76	33.13	54.00	20.87	Horizontal	PASS
2	9607.20	59.82	-24.76	35.06	54.00	18.94	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	1806.80	39.62	44.62	5.00	74.00	29.38	Vertical	PASS
2	4805.60	68.23	55.97	-12.26	74.00	18.03	Vertical	PASS
3	7206.40	58.17	48.86	-9.31	74.00	25.14	Vertical	PASS
4	8156.71	53.09	45.27	-7.82	74.00	28.73	Vertical	PASS
5	9607.20	66.49	60.50	-5.99	74.00	13.50	Vertical	PASS
6	12998.3	49.56	48.72	-0.84	74.00	25.28	Vertical	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/ m]	Margin [dB]	Polarity	Verdict
1	4805.60	55.97	-24.76	31.21	54.00	22.79	Vertical	PASS
2	9607.20	60.50	-24.76	35.74	54.00	18.26	Vertical	PASS

Mode:	2DH5-2441
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	3900.30	57.66	43.46	-14.20	74.00	30.54	Horizontal	PASS
2	4880.62	72.86	59.91	-12.95	74.00	14.09	Horizontal	PASS
3	7321.44	57.60	48.44	-9.16	74.00	25.56	Horizontal	PASS
4	9762.25	69.68	63.58	-6.10	74.00	10.42	Horizontal	PASS
5	13698.5	49.74	50.68	0.94	74.00	23.32	Horizontal	PASS
6	17679.8	49.01	53.76	4.75	74.00	20.24	Horizontal	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/ m]	Margin [dB]	Polarity	Verdict
1	4880.62	59.91	-24.76	35.15	54.00	18.85	Horizontal	PASS
2	9762.25	63.58	-24.76	38.82	54.00	15.18	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	3940.31	62.85	48.31	-14.54	74.00	25.69	Vertical	PASS
2	4880.62	71.01	58.06	-12.95	74.00	15.94	Vertical	PASS
3	6566.18	55.18	45.41	-9.77	74.00	28.59	Vertical	PASS
4	9762.25	70.02	63.92	-6.10	74.00	10.08	Vertical	PASS
5	12453.1	50.26	48.91	-1.35	74.00	25.09	Vertical	PASS
6	17334.7	47.94	53.30	5.36	74.00	20.70	Vertical	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/ m]	Margin [dB]	Polarity	Verdict
1	4880.62	58.06	-24.76	33.30	54.00	20.70	Vertical	PASS
2	9762.25	63.92	-24.76	39.16	54.00	14.84	Vertical	PASS

Mode:	2DH5-2480
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	3890.29	57.74	43.44	-14.30	74.00	30.56	Horizontal	PASS
2	4960.65	70.44	57.53	-12.91	74.00	16.47	Horizontal	PASS
3	5870.95	56.04	45.27	-10.77	74.00	28.73	Horizontal	PASS
4	7441.48	56.47	47.68	-8.79	74.00	26.32	Horizontal	PASS
5	9922.30	70.61	65.07	-5.54	74.00	8.93	Horizontal	PASS
6	15604.2	48.49	50.39	1.90	74.00	23.61	Horizontal	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/ m]	Margin [dB]	Polarity	Verdict
1	4960.65	57.53	-24.76	32.77	54.00	21.23	Horizontal	PASS
2	9922.30	65.07	-24.76	40.31	54.00	13.69	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	3940.31	58.37	43.83	-14.54	74.00	30.17	Vertical	PASS
2	4960.65	67.88	54.97	-12.91	74.00	19.03	Vertical	PASS
3	6006.00	55.74	45.93	-9.81	74.00	28.07	Vertical	PASS
4	8436.81	54.09	46.53	-7.56	74.00	27.47	Vertical	PASS
5	9922.30	68.40	62.86	-5.54	74.00	11.14	Vertical	PASS
6	17459.8	47.91	53.29	5.38	74.00	20.71	Vertical	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/ m]	Margin [dB]	Polarity	Verdict
1	4960.65	54.97	-24.76	30.21	54.00	23.79	Vertical	PASS
2	9922.30	62.86	-24.76	38.10	54.00	15.90	Vertical	PASS

Mode:	3DH5-2402
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	4805.60	68.91	56.65	-12.26	74.00	17.35	Horizontal	PASS
2	5740.91	56.44	45.70	-10.74	74.00	28.30	Horizontal	PASS
3	7206.40	59.33	50.02	-9.31	74.00	23.98	Horizontal	PASS
4	9607.20	67.56	61.57	-5.99	74.00	12.43	Horizontal	PASS
5	13598.5	48.19	49.02	0.83	74.00	24.98	Horizontal	PASS
6	17464.8	48.40	53.83	5.43	74.00	20.17	Horizontal	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	4805.60	56.65	-24.76	31.89	54.00	22.11	Horizontal	PASS
2	9607.20	61.57	-24.76	36.81	54.00	17.19	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	4805.60	67.80	55.54	-12.26	74.00	18.46	Vertical	PASS
2	7206.40	59.21	49.90	-9.31	74.00	24.10	Vertical	PASS
3	9607.20	69.70	63.71	-5.99	74.00	10.29	Vertical	PASS
4	11397.7	50.82	48.03	-2.79	74.00	25.97	Vertical	PASS
5	13613.5	48.40	49.26	0.86	74.00	24.74	Vertical	PASS
6	17469.8	48.59	54.07	5.48	74.00	19.93	Vertical	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	4805.60	55.54	-24.76	30.78	54.00	23.22	Vertical	PASS
2	9607.20	63.71	-24.76	38.95	54.00	15.05	Vertical	PASS
3	17469.8	54.07	-24.76	29.31	54.00	24.69	Vertical	PASS

Mode:	3DH5-2441
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PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	4880.62	71.20	58.25	-12.95	74.00	15.75	Horizontal	PASS
2	6836.27	54.52	45.58	-8.94	74.00	28.42	Horizontal	PASS
3	9762.25	69.54	63.44	-6.10	74.00	10.56	Horizontal	PASS
4	13618.5	49.30	50.17	0.87	74.00	23.83	Horizontal	PASS
5	16419.4	48.86	52.64	3.78	74.00	21.36	Horizontal	PASS
6	17454.8	48.45	53.77	5.32	74.00	20.23	Horizontal	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/ m]	Margin [dB]	Polarity	Verdict
1	4880.62	58.25	-24.76	33.49	54.00	20.51	Horizontal	PASS
2	9762.25	63.44	-24.76	38.68	54.00	15.32	Horizontal	PASS

PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	4260.42	58.90	44.57	-14.33	74.00	29.43	Vertical	PASS
2	4880.62	69.90	56.95	-12.95	74.00	17.05	Vertical	PASS
3	7321.44	56.96	47.80	-9.16	74.00	26.20	Vertical	PASS
4	9762.25	69.97	63.87	-6.10	74.00	10.13	Vertical	PASS
5	11742.9	50.52	48.54	-1.98	74.00	25.46	Vertical	PASS
6	17489.8	48.46	54.15	5.69	74.00	19.85	Vertical	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/ m]	Margin [dB]	Polarity	Verdict
1	4880.62	56.95	-24.76	32.19	54.00	21.81	Vertical	PASS
2	9762.25	63.87	-24.76	39.11	54.00	14.89	Vertical	PASS
3	17489.8	54.15	-24.76	29.39	54.00	24.61	Vertical	PASS

Mode:	3DH5-2480
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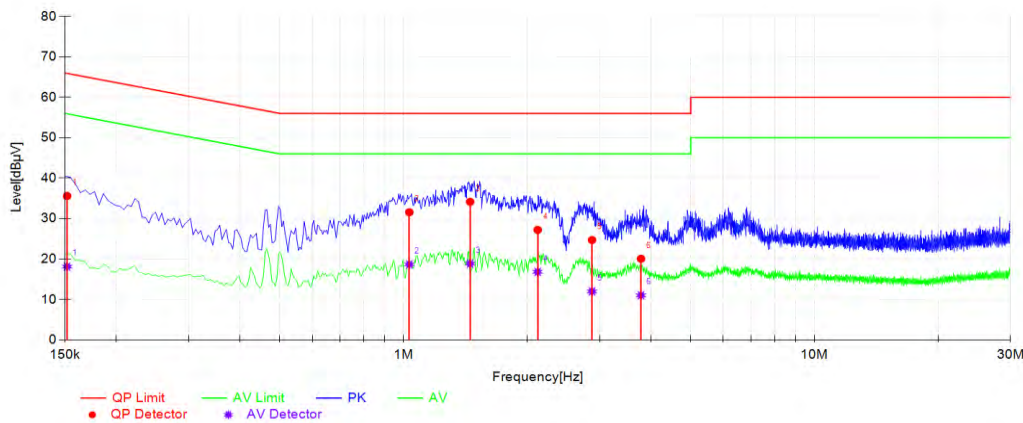
PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	3930.31	57.49	43.03	-14.46	74.00	30.97	Horizontal	PASS
2	4960.65	71.56	58.65	-12.91	74.00	15.35	Horizontal	PASS
3	6266.08	55.49	45.28	-10.21	74.00	28.72	Horizontal	PASS
4	7441.48	57.51	48.72	-8.79	74.00	25.28	Horizontal	PASS
5	9922.30	71.34	65.80	-5.54	74.00	8.20	Horizontal	PASS
6	17459.8	49.14	54.52	5.38	74.00	19.48	Horizontal	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/ m]	Margin [dB]	Polarity	Verdict
1	4960.65	58.65	-24.76	33.89	54.00	20.11	Horizontal	PASS
2	9922.30	65.80	-24.76	41.04	54.00	12.96	Horizontal	PASS
3	17459.8	54.52	-24.76	29.76	54.00	24.24	Horizontal	PASS

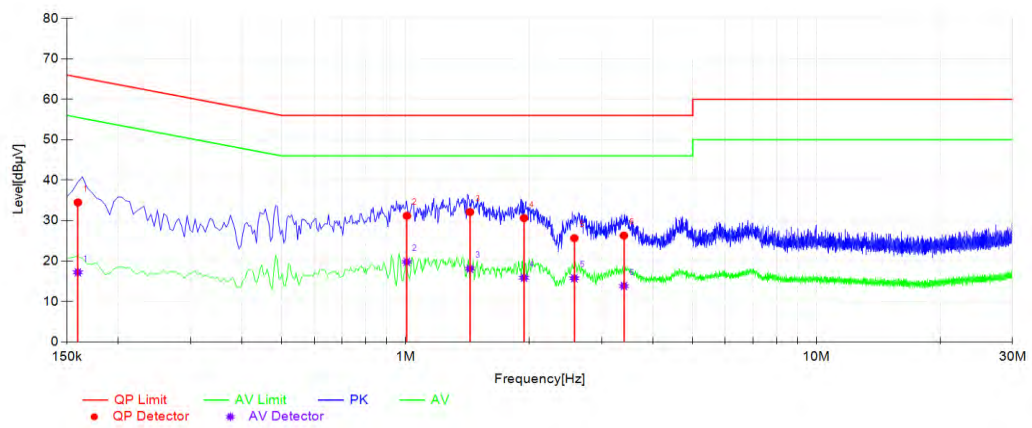
PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	3765.25	58.16	42.68	-15.48	74.00	31.32	Vertical	PASS
2	4960.65	67.66	54.75	-12.91	74.00	19.25	Vertical	PASS
3	6226.07	55.75	45.68	-10.07	74.00	28.32	Vertical	PASS
4	9922.30	68.93	63.39	-5.54	74.00	10.61	Vertical	PASS
5	12083.0	49.56	48.28	-1.28	74.00	25.72	Vertical	PASS
6	17449.8	49.51	54.78	5.27	74.00	19.22	Vertical	PASS

AV Data List								
NO.	Freq. [MHz]	PK Level [dBμV/m]	DC Factor [dB]	AV Level [dBμV/m]	Limit [dBμV/ m]	Margin [dB]	Polarity	Verdict
1	4960.65	54.75	-24.76	29.99	54.00	24.01	Vertical	PASS
2	9922.30	63.39	-24.76	38.63	54.00	15.37	Vertical	PASS
3	17449.8	54.78	-24.76	30.02	54.00	23.98	Vertical	PASS

Appendix K: Conducted emission AC power port



Final Data List										
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Type	Verdict
1	0.1517	10.26	35.62	65.91	30.29	18.13	55.91	37.78	N	PASS
2	1.0330	10.28	31.58	56.00	24.42	18.66	46.00	27.34	N	PASS
3	1.4522	10.28	34.16	56.00	21.84	18.86	46.00	27.14	N	PASS
4	2.1206	10.30	27.21	56.00	28.79	16.84	46.00	29.16	N	PASS
5	2.8764	10.34	24.72	56.00	31.28	12.01	46.00	33.99	N	PASS
6	3.7843	10.40	20.08	56.00	35.92	11.04	46.00	34.96	N	PASS



Final Data List										
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Type	Verdict
1	0.1594	10.26	34.49	65.49	31.00	17.21	55.49	38.28	L1	PASS
2	1.0073	10.28	31.20	56.00	24.80	19.80	46.00	26.20	L1	PASS
3	1.4346	10.28	32.12	56.00	23.88	18.10	46.00	27.90	L1	PASS
4	1.9423	10.29	30.63	56.00	25.37	15.88	46.00	30.12	L1	PASS
5	2.5747	10.30	25.67	56.00	30.33	15.74	46.00	30.26	L1	PASS
6	3.3995	10.30	26.31	56.00	29.69	13.84	46.00	32.16	L1	PASS