Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.957	2401.541	2402.498	---	---
		2441	1.023	2440.475	2441.498	---	---
		2480	0.939	2479.544	2480.483	---	---
2DH5	Ant1	2402	1.269	2401.373	2402.642	---	---
		2441	1.320	2440.343	2441.663	---	---
		2480	1.320	2479.343	2480.663	---	---
3DH5	Ant1	2402	1.266	2401.364	2402.630	---	---
		2441	1.266	2440.367	2441.633	---	---
		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

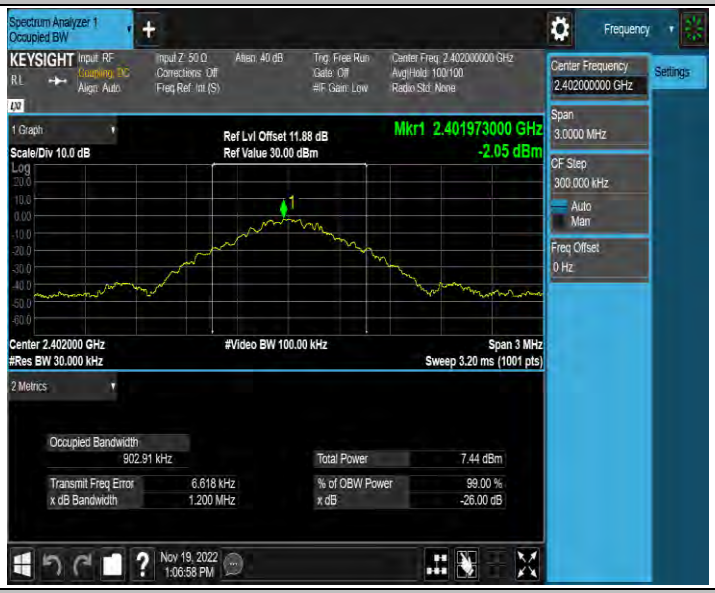
3DH5_Ant1_2480

Appendix B: Occupied Channel Bandwidth

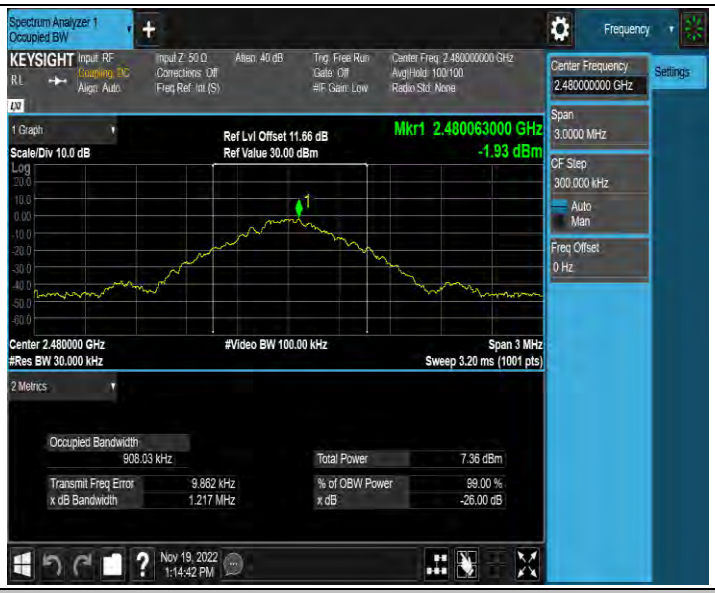
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.90291	2401.5552	2402.4581	---	---
		2441	0.90029	2440.5568	2441.4570	---	---
		2480	0.90803	2479.5558	2480.4639	---	---
2DH5	Ant1	2402	1.1726	2401.4154	2402.5880	---	---
		2441	1.1750	2440.4143	2441.5893	---	---
		2480	1.1679	2479.4185	2480.5864	---	---
3DH5	Ant1	2402	1.1798	2401.4137	2402.5935	---	---
		2441	1.1699	2440.4193	2441.5892	---	---
		2480	1.1632	2479.4252	2480.5884	---	---

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 Powert[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.28	≤20.97	PASS
		2441	1.44	≤20.97	PASS
		2480	1.4	≤20.97	PASS
2DH5	Ant1	2402	2.02	≤20.97	PASS
		2441	2.09	≤20.97	PASS
		2480	2.04	≤20.97	PASS
3DH5	Ant1	2402	2.56	≤20.97	PASS
		2441	2.62	≤20.97	PASS
		2480	2.49	≤20.97	PASS

Test Mode	Antenna	Frequency[MHz]	E.I.R.P[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	3.26	≤36	PASS
		2441	3.42	≤36	PASS
		2480	3.38	≤36	PASS
2DH5	Ant1	2402	4	≤36	PASS
		2441	4.07	≤36	PASS
		2480	4.02	≤36	PASS
3DH5	Ant1	2402	4.54	≤36	PASS
		2441	4.6	≤36	PASS
		2480	4.47	≤36	PASS

Appendix D: Carrier frequency separation

Test Result

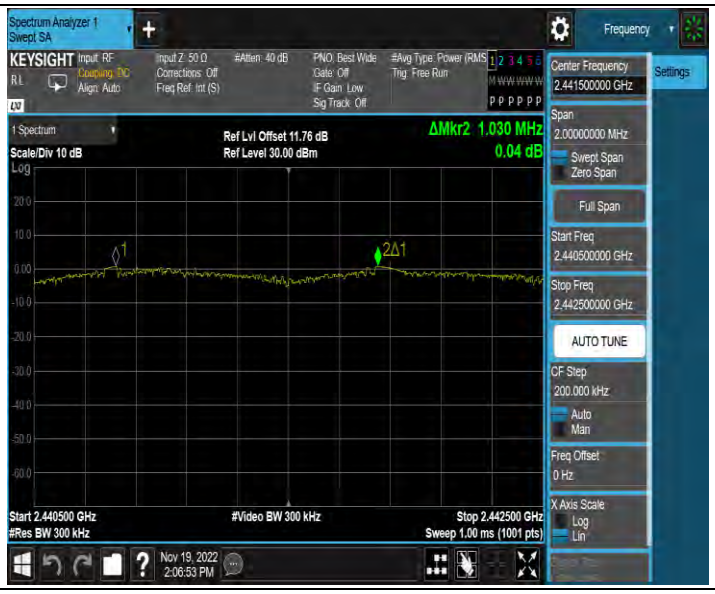
TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥0.682	PASS
2DH5	Ant1	Hop	1.008	≥0.880	PASS
3DH5	Ant1	Hop	1.03	≥0.846	PASS

Test Graphs

DH5_Ant1_Hop

2DH5_Ant1_Hop

3DH5_Ant1_Hop


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
#Atten: 40 dB
PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Trig: Free Run
Frequency
Center Frequency
2.441500000 GHz
Settings
Span
2.00000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.440500000 GHz
Stop Freq
2.442500000 GHz
AUTO TUNE
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin
1 Spectrum
Ref Lvl Offset 11.76 dB
Ref Level 30.00 dBm
ΔMkr2 1.030 MHz
0.04 dB
Scale/Div 10 dB
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
1
2Δ1
Start 2.440500 GHz
#Res BW 300 kHz
#Video BW 300 kHz
Stop 2.442500 GHz
Sweep 1.00 ms (1001 pts)
Nov 19, 2022
2:06:53 PM

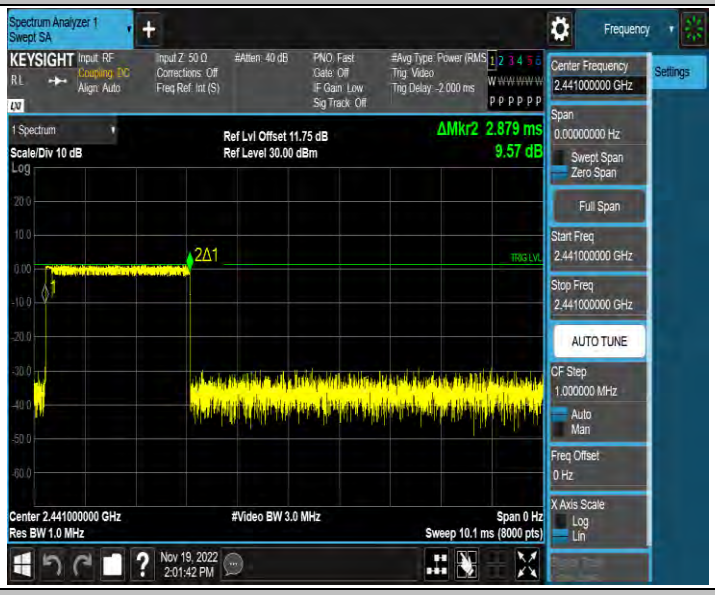
Appendix E: Time of occupancy

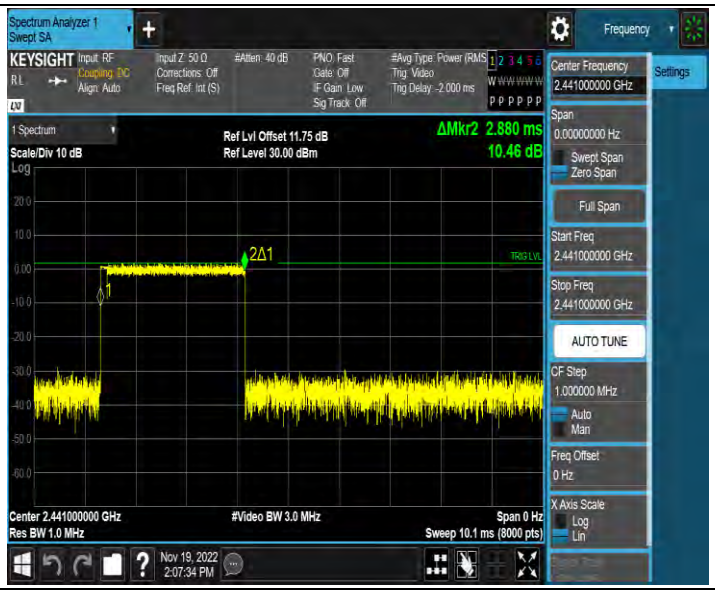
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.866	106.67	0.306	≤0.4	PASS
2DH5	Ant1	Hop	2.879	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

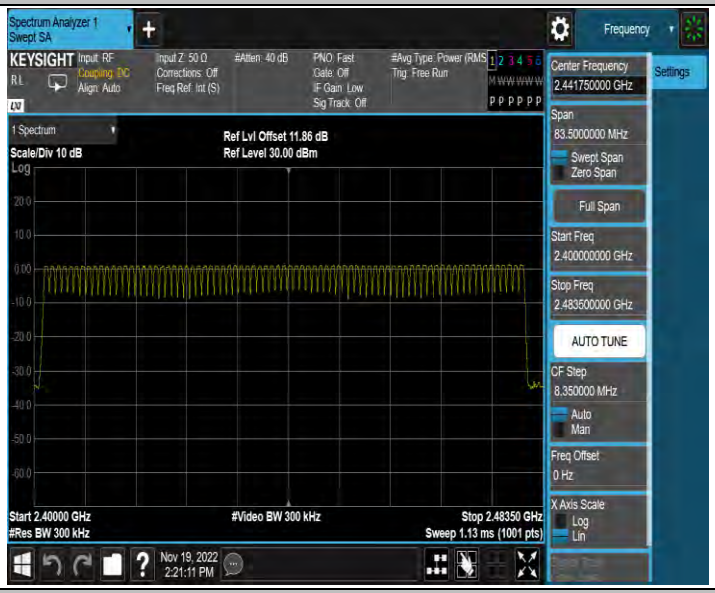
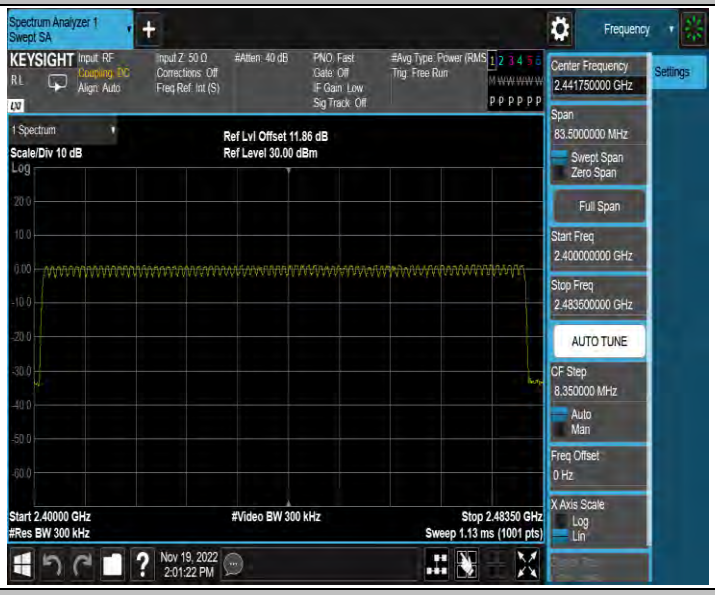

Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
#Atten: 40 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Trig: Video
Trig Delay: -2.000 ms
1 Spectrum
Scale/Div 10 dB
Ref Lvl Offset 11.75 dB
Ref Level 30.00 dBm
ΔMkr2 2.880 ms
10.46 dB
2Δ1
1
Center 2.441000000 GHz
Res BW 1.0 MHz
#Video BW 3.0 MHz
Span 0 Hz
Sweep 10.1 ms (8000 pts)
Nov 19, 2022
2:07:34 PM
Frequency
Center Frequency
2.441000000 GHz
Settings
Span
0.00000000 Hz
Swept Span
Zero Span
Full Span
Start Freq
2.441000000 GHz
Stop Freq
2.441000000 GHz
AUTO TUNE
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin

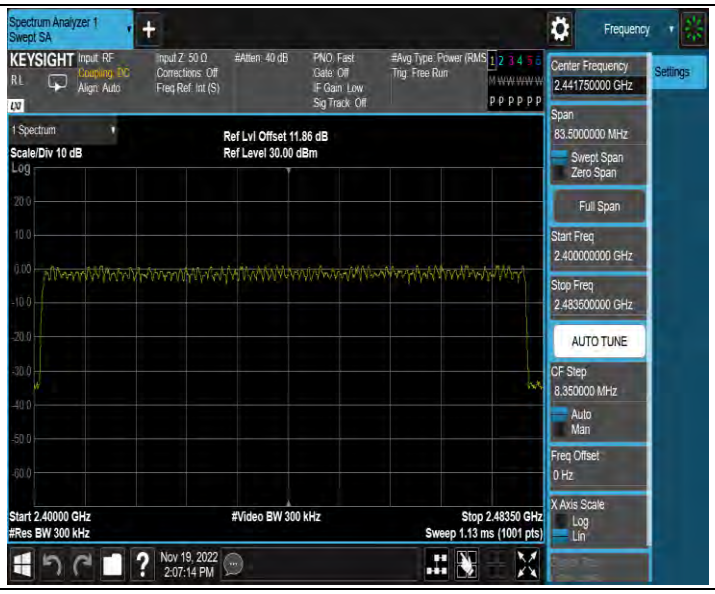
Appendix F: Number of hopping channels

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


Spectrum Analyzer 1
Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
#Atten: 40 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Trig: Free Run
1 2 3 4 5 6
M WWWWW
P P P P P P
1 Spectrum
Ref Lvl Offset 11.86 dB
Ref Level 30.00 dBm
Scale/Div 10 dB
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Start 2.40000 GHz
#Res BW 300 kHz
#Video BW 300 kHz
Stop 2.48350 GHz
Sweep 1.13 ms (1001 pts)
Nov 19, 2022
2:07:14 PM
Frequency
Settings
Center Frequency
2.441750000 GHz
Span
83.5000000 MHz
Swept Span
Zero Span
Full Span
Start Freq
2.400000000 GHz
Stop Freq
2.483600000 GHz
AUTO TUNE
CF Step
8.350000 MHz
Auto
Man
Freq Offset
0 Hz
X Axis Scale
Log
Lin

Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.69	-46.75	≤-19.31	PASS
		High	2480	0.80	-46.79	≤-19.2	PASS
		Low	Hop_2402	0.54	-46.66	≤-19.46	PASS
		High	Hop_2480	0.84	-46.21	≤-19.16	PASS
2DH5	Ant1	Low	2402	0.22	-46.2	≤-19.79	PASS
		High	2480	0.64	-46.05	≤-19.36	PASS
		Low	Hop_2402	0.02	-45.85	≤-19.98	PASS
		High	Hop_2480	0.44	-45.17	≤-19.56	PASS
3DH5	Ant1	Low	2402	0.69	-46.6	≤-19.31	PASS
		High	2480	0.68	-47	≤-19.32	PASS
		Low	Hop_2402	0.57	-46.19	≤-19.43	PASS
		High	Hop_2480	0.84	-44.94	≤-19.16	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

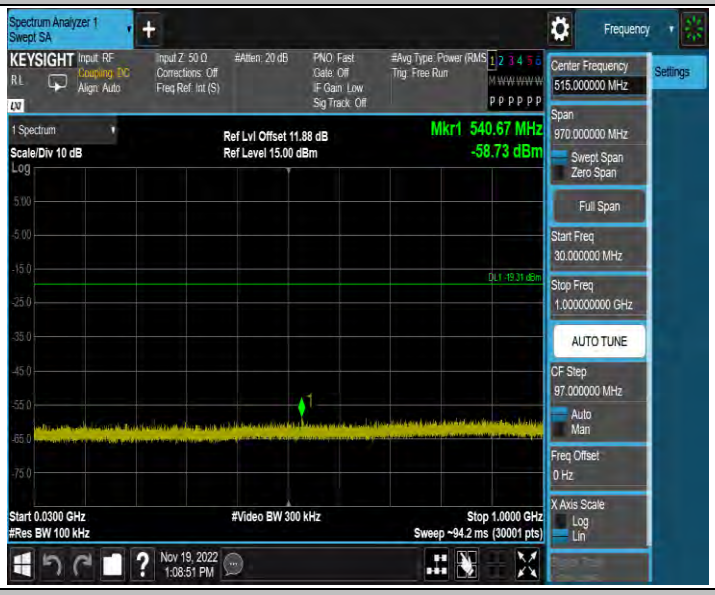
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.69	0.69	---	PASS
			30~1000	0.69	-58.73	≤-19.31	PASS
			1000~26500	0.69	-41.83	≤-19.31	PASS
		2441	Reference	0.77	0.77	---	PASS
			30~1000	0.77	-58.49	≤-19.23	PASS
			1000~26500	0.77	-40.86	≤-19.23	PASS
		2480	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-58.25	≤-19.25	PASS
			1000~26500	0.75	-42.56	≤-19.25	PASS
2DH5	Ant1	2402	Reference	0.49	0.49	---	PASS
			30~1000	0.49	-34.02	≤-19.51	PASS
			1000~26500	0.49	-43.42	≤-19.51	PASS
		2441	Reference	0.56	0.56	---	PASS
			30~1000	0.56	-58.16	≤-19.44	PASS
			1000~26500	0.56	-41.49	≤-19.44	PASS
		2480	Reference	0.56	0.56	---	PASS
			30~1000	0.56	-57.98	≤-19.44	PASS
			1000~26500	0.56	-45.33	≤-19.44	PASS
3DH5	Ant1	2402	Reference	0.67	0.67	---	PASS
			30~1000	0.67	-58.26	≤-19.33	PASS
			1000~26500	0.67	-42.37	≤-19.33	PASS
		2441	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-57.55	≤-19.25	PASS
			1000~26500	0.75	-40.65	≤-19.25	PASS
		2480	Reference	0.73	0.73	---	PASS
			30~1000	0.73	-58.4	≤-19.27	PASS
			1000~26500	0.73	-41.16	≤-19.27	PASS

Test Graphs

DH5_Ant1_2402_0~Reference

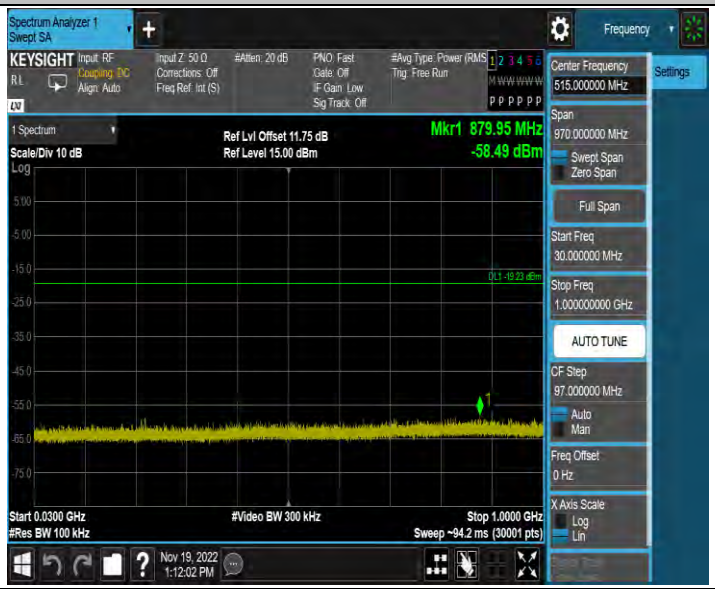
DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500

DH5_Ant1_2441_0~Reference

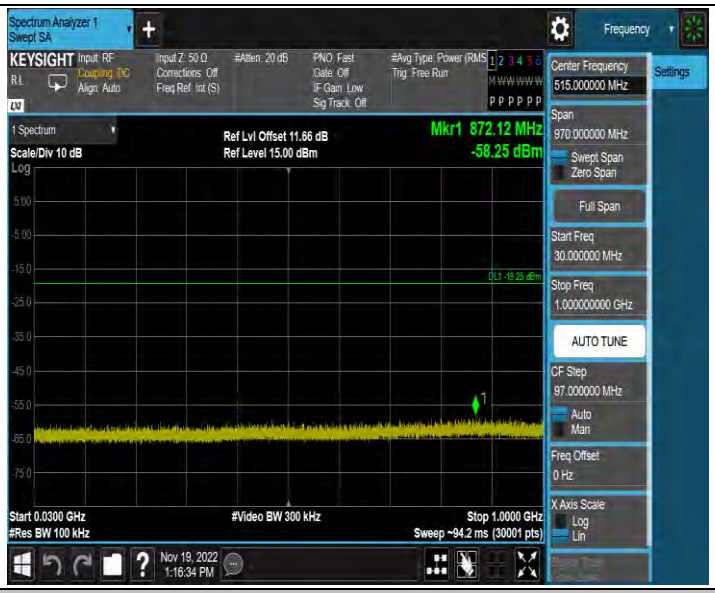
DH5_Ant1_2441_30~1000



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

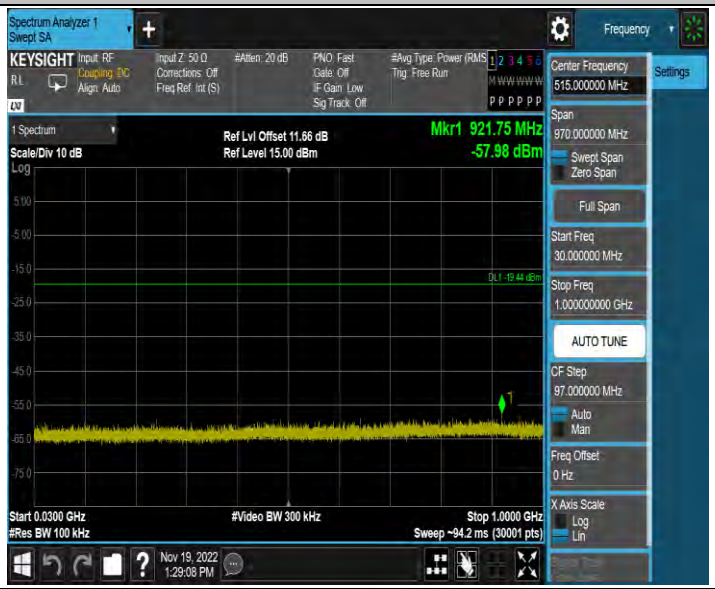
2DH5_Ant1_2402_1000~26500

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

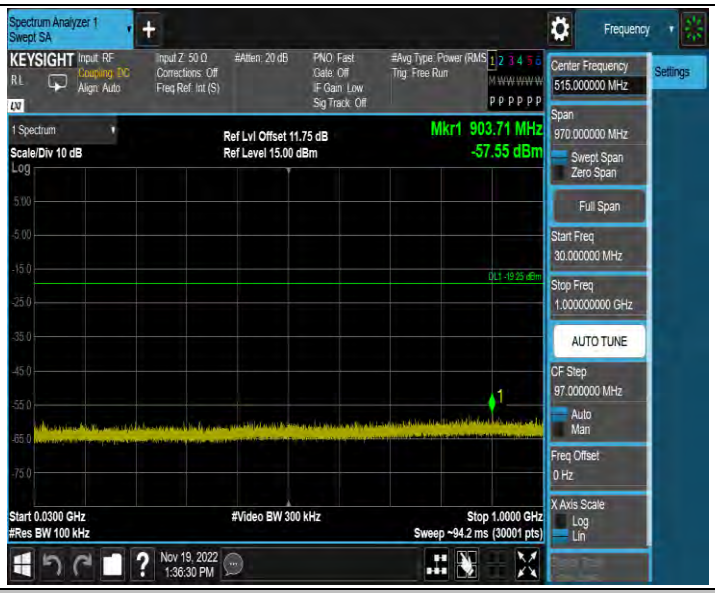
3DH5_Ant1_2402_0~Reference

3DH5_Ant1_2402_30~1000

3DH5_Ant1_2402_1000~26500

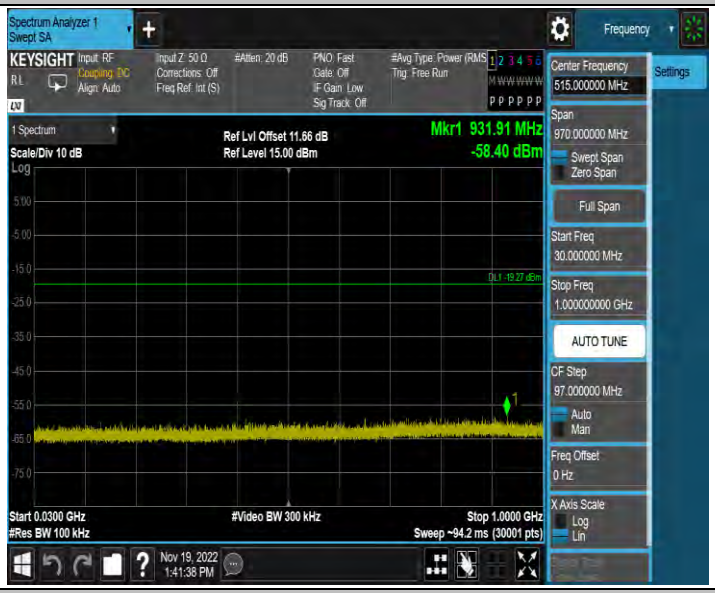
3DH5_Ant1_2441_0~Reference

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	2.88	3.76	76.60
		2441	2.88	3.75	76.80
		2480	2.89	3.75	77.07
3DH5	Ant1	2402	2.89	3.75	77.07
		2441	2.89	3.76	76.86
		2480	2.89	3.75	77.07

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 ms x 20 channels = 57.8ms

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 ms / 57.8 ms] = 2 hops Thus, the maximum possible ON time:

2.89 ms x 2 = 5.78ms

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

20 x log(5.78 ms/100 ms) = -24.76 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 J: Emissions in Restricted Bands

Test Result

Mode:	DH5-2402

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	39.76	47.22	7.46	74.00	26.78	Horizonta	PASS
2	2327.85	40.54	48.00	7.46	74.00	26.00	Horizonta	PASS
3	2339.78	40.96	48.42	7.46	74.00	25.58	Horizonta	PASS
4	2354.04	41.20	48.65	7.45	74.00	25.35	Horizonta	PASS
5	2369.65	40.97	48.42	7.45	74.00	25.58	Horizonta	PASS
6	2390	40.92	48.37	7.45	74.00	25.63	Horizonta	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	39.15	46.61	7.46	74.00	27.39	Vertical	PASS
2	2334.82	40.68	48.13	7.45	74.00	25.87	Vertical	PASS
3	2351.56	41.42	48.87	7.45	74.00	25.13	Vertical	PASS
4	2358.60	40.93	48.39	7.46	74.00	25.61	Vertical	PASS
5	2363.17	41.14	48.59	7.45	74.00	25.41	Vertical	PASS
6	2390	41.38	48.83	7.45	74.00	25.17	Vertical	PASS

Mode:	DH5-2480

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	42.10	50.06	7.96	74.00	23.94	Horizonta	PASS
2	2488.38	40.70	48.69	7.99	74.00	25.31	Horizonta	PASS
3	2490.31	41.03	49.03	8.00	74.00	24.97	Horizonta	PASS
4	2495.69	41.76	49.80	8.04	74.00	24.20	Horizonta	PASS
5	2495.90	41.59	49.63	8.04	74.00	24.37	Horizonta	PASS
6	2500	39.86	47.92	8.06	74.00	26.08	Horizonta	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	40.43	48.39	7.96	74.00	25.61	Vertical	PASS
2	2488.23	40.94	48.93	7.99	74.00	25.07	Vertical	PASS
3	2490.13	41.55	49.55	8.00	74.00	24.45	Vertical	PASS
4	2492.65	41.56	49.57	8.01	74.00	24.43	Vertical	PASS
5	2496.02	41.64	49.68	8.04	74.00	24.32	Vertical	PASS
6	2500	40.76	48.82	8.06	74.00	25.18	Vertical	PASS

Mode:	2DH5-2402

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	39.22	46.68	7.46	74.00	27.32	Horizonta	PASS
2	2337.06	41.27	48.73	7.46	74.00	25.27	Horizonta	PASS
3	2349.63	41.97	49.43	7.46	74.00	24.57	Horizonta	PASS
4	2361.25	40.96	48.41	7.45	74.00	25.59	Horizonta	PASS
5	2368.45	40.71	48.16	7.45	74.00	25.84	Horizonta	PASS
6	2390	40.14	47.59	7.45	74.00	26.41	Horizonta	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	39.10	46.56	7.46	74.00	27.44	Vertical	PASS
2	2335.38	41.16	48.62	7.46	74.00	25.38	Vertical	PASS
3	2352.84	40.92	48.37	7.45	74.00	25.63	Vertical	PASS
4	2368.85	41.25	48.70	7.45	74.00	25.30	Vertical	PASS
5	2376.78	41.46	48.92	7.46	74.00	25.08	Vertical	PASS
6	2390	40.10	47.55	7.45	74.00	26.45	Vertical	PASS

Mode:	2DH5-2480

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	41.10	49.06	7.96	74.00	24.94	Horizonta	PASS
2	2486.84	41.11	49.09	7.98	74.00	24.91	Horizonta	PASS
3	2489.34	41.03	49.03	8.00	74.00	24.97	Horizonta	PASS
4	2493.89	41.09	49.11	8.02	74.00	24.89	Horizonta	PASS
5	2495.62	41.22	49.26	8.04	74.00	24.74	Horizonta	PASS
6	2500	39.92	47.98	8.06	74.00	26.02	Horizonta	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	40.14	48.10	7.96	74.00	25.90	Vertical	PASS
2	2486.27	41.12	49.10	7.98	74.00	24.90	Vertical	PASS
3	2490.14	42.47	50.47	8.00	74.00	23.53	Vertical	PASS
4	2494.07	41.39	49.41	8.02	74.00	24.59	Vertical	PASS
5	2495.97	42.21	50.25	8.04	74.00	23.75	Vertical	PASS
6	2500	39.46	47.52	8.06	74.00	26.48	Vertical	PASS

Mode:	2DH5-2402

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	39.50	46.96	7.46	74.00	27.04	Horizonta	PASS
2	2334.98	41.60	49.05	7.45	74.00	24.95	Horizonta	PASS
3	2356.36	41.30	48.76	7.46	74.00	25.24	Horizonta	PASS
4	2367.09	40.87	48.33	7.46	74.00	25.67	Horizonta	PASS
5	2375.66	41.91	49.37	7.46	74.00	24.63	Horizonta	PASS
6	2390	40.33	47.78	7.45	74.00	26.22	Horizonta	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	40.19	47.65	7.46	74.00	26.35	Vertical	PASS
2	2329.69	41.20	48.66	7.46	74.00	25.34	Vertical	PASS
3	2338.10	40.81	48.27	7.46	74.00	25.73	Vertical	PASS
4	2348.03	41.37	48.83	7.46	74.00	25.17	Vertical	PASS
5	2365.25	41.54	49.00	7.46	74.00	25.00	Vertical	PASS
6	2390	40.87	48.32	7.45	74.00	25.68	Vertical	PASS

Mode:	3DH5-2480

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	40.93	48.89	7.96	74.00	25.11	Horizonta	PASS
2	2486.09	41.90	49.88	7.98	74.00	24.12	Horizonta	PASS
3	2489.83	42.13	50.13	8.00	74.00	23.87	Horizonta	PASS
4	2492.62	41.93	49.94	8.01	74.00	24.06	Horizonta	PASS
5	2496.25	41.59	49.63	8.04	74.00	24.37	Horizonta	PASS
6	2500	39.64	47.70	8.06	74.00	26.30	Horizonta	PASS

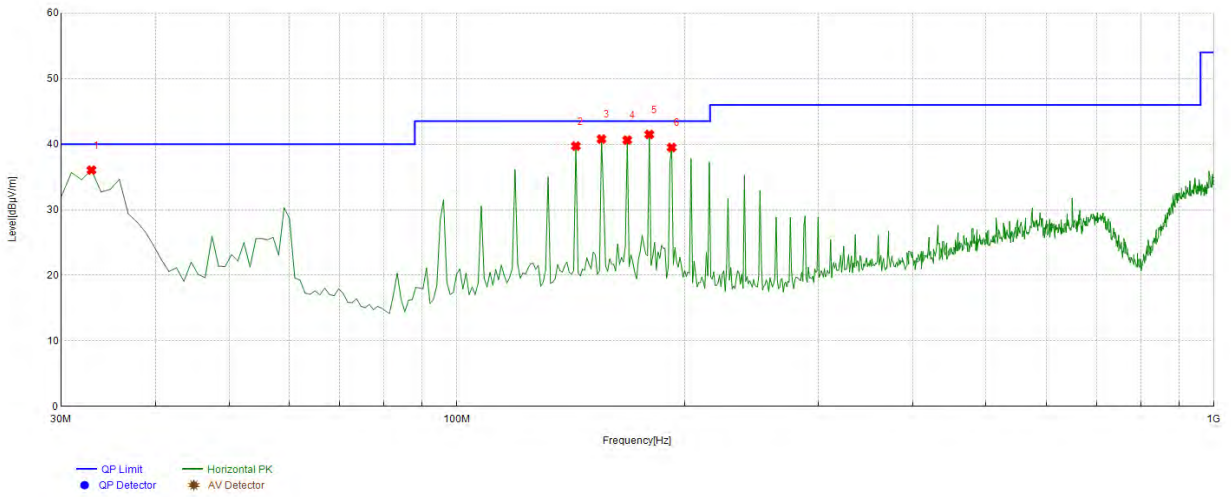
PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	2483.5	40.21	48.17	7.96	74.00	25.83	Vertical	PASS
2	2486.78	41.67	49.65	7.98	74.00	24.35	Vertical	PASS
3	2489.86	41.11	49.11	8.00	74.00	24.89	Vertical	PASS
4	2492.36	41.46	49.47	8.01	74.00	24.53	Vertical	PASS
5	2494.68	41.75	49.77	8.02	74.00	24.23	Vertical	PASS
6	2500	40.67	48.73	8.06	74.00	25.27	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.

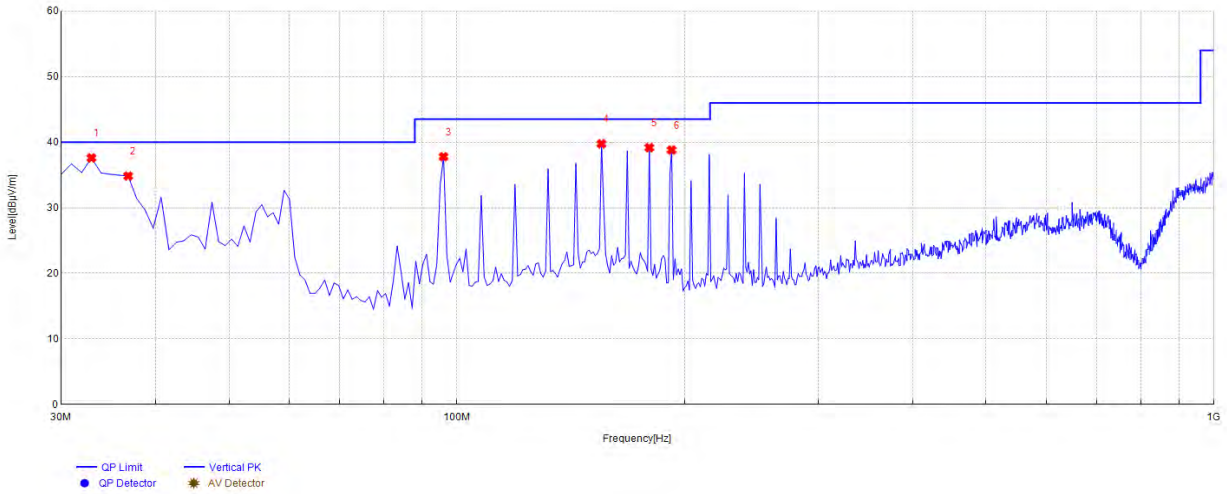
Appendix L: Spurious emissions

Mode:	DH5-2402



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	32.9129	52.72	36.05	-16.67	40.00	3.95	Horizonta	PASS
2	143.603	56.68	39.71	-16.97	43.50	3.79	Horizonta	PASS
3	155.255	57.30	40.78	-16.52	43.50	2.72	Horizonta	PASS
4	167.877	57.74	40.63	-17.11	43.50	2.87	Horizonta	PASS
5	179.529	59.82	41.48	-18.34	43.50	2.02	Horizonta	PASS
6	192.152	58.56	39.50	-19.06	43.50	4.00	Horizonta	PASS

Mode:	DH5-2402



NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Polarity	Verdict
1	32.9129	54.27	37.60	-16.67	40.00	2.40	Vertical	PASS
2	36.7968	50.91	34.84	-16.07	40.00	5.16	Vertical	PASS
3	96.026	58.20	37.78	-20.42	43.50	5.72	Vertical	PASS
4	155.255	56.27	39.75	-16.52	43.50	3.75	Vertical	PASS
5	179.529	57.51	39.17	-18.34	43.50	4.33	Vertical	PASS
6	192.152	57.86	38.80	-19.06	43.50	4.70	Vertical	PASS

Mode:	DH5-2402

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	3835.27	58.51	43.65	-14.86	74.00	30.35	Horizonta	PASS
2	4805.60	73.23	60.97	-12.26	74.00	13.03	Horizonta	PASS
3	6771.25	55.21	46.13	-9.08	74.00	27.87	Horizonta	PASS
4	9607.20	65.88	59.89	-5.99	74.00	14.11	Horizonta	PASS
5	12378.1	50.08	48.68	-1.40	74.00	25.32	Horizonta	PASS
6	17764.9	48.40	53.96	5.56	74.00	20.04	Horizonta	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	60.97	-24.76	36.21	54.00	17.79	Horizonta	PASS
2	9607.20	59.89	-24.76	35.13	54.00	18.87	Horizonta	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	4280.42	58.59	44.20	-14.39	74.00	29.80	Vertical	PASS
2	4805.60	67.77	55.51	-12.26	74.00	18.49	Vertical	PASS
3	6026.00	56.65	46.78	-9.87	74.00	27.22	Vertical	PASS
4	9607.20	68.76	62.77	-5.99	74.00	11.23	Vertical	PASS
5	13618.5	49.02	49.89	0.87	74.00	24.11	Vertical	PASS
6	17469.8	48.99	54.47	5.48	74.00	19.53	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	55.51	-24.76	30.75	54.00	23.25	Vertical	PASS
2	9607.20	68.76	-24.76	44.00	54.00	10	Vertical	PASS
3	17469.8	54.47	-24.76	29.71	54.00	24.29	Vertical	PASS

Mode:	DH5-2441

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	3925.30	58.06	43.65	-14.41	74.00	30.35	Horizonta	PASS
2	4880.62	70.06	57.11	-12.95	74.00	16.89	Horizonta	PASS
3	5905.96	55.87	45.17	-10.70	74.00	28.83	Horizonta	PASS
4	9762.25	64.99	58.89	-6.10	74.00	15.11	Horizonta	PASS
5	13703.5	49.52	50.44	0.92	74.00	23.56	Horizonta	PASS
6	17439.8	49.33	54.50	5.17	74.00	19.50	Horizonta	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	57.11	-24.76	32.35	54.00	21.65	Horizonta	PASS
2	9762.25	58.89	-24.76	34.13	54.00	19.87	Horizonta	PASS
3	17439.8	54.50	-24.76	29.74	54.00	24.26	Horizonta	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	3810.27	58.16	43.04	-15.12	74.00	30.96	Vertical	PASS
2	4880.62	66.69	53.74	-12.95	74.00	20.26	Vertical	PASS
3	6736.24	55.70	46.28	-9.42	74.00	27.72	Vertical	PASS
4	9762.25	68.95	62.85	-6.10	74.00	11.15	Vertical	PASS
5	15129.0	49.86	52.45	2.59	74.00	21.55	Vertical	PASS
6	17759.9	48.31	53.79	5.48	74.00	20.21	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	9762.25	62.85	-24.76	38.09	54.00	15.91	Vertical	PASS

Mode:	DH5-2480

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	3850.28	57.94	43.23	-14.71	74.00	30.77	Horizonta	PASS
2	4960.65	75.32	62.41	-12.91	74.00	11.59	Horizonta	PASS
3	6026.00	55.66	45.79	-9.87	74.00	28.21	Horizonta	PASS
4	7441.48	61.39	52.60	-8.79	74.00	21.40	Horizonta	PASS
5	9922.30	68.27	62.73	-5.54	74.00	11.27	Horizonta	PASS
6	12093.0	50.29	49.12	-1.17	74.00	24.88	Horizonta	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	62.41	-24.76	37.65	54.00	16.35	Horizonta	PASS
2	9922.30	62.73	-24.76	37.97	54.00	16.03	Horizonta	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	4730.57	62.09	48.75	-13.34	74.00	25.25	Vertical	PASS
2	4960.65	74.13	61.22	-12.91	74.00	12.78	Vertical	PASS
3	5250.75	60.23	48.12	-12.11	74.00	25.88	Vertical	PASS
4	6571.19	55.88	46.10	-9.78	74.00	27.90	Vertical	PASS
5	7441.48	59.26	50.47	-8.79	74.00	23.53	Vertical	PASS
6	9922.30	69.39	63.85	-5.54	74.00	10.15	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	61.22	-24.76	36.46	54.00	17.54	Vertical	PASS
2	9922.30	63.85	-24.76	39.09	54.00	14.91	Vertical	PASS

Mode:	2DH5-2402

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	3945.31	58.13	43.54	-14.59	74.00	30.46	Horizonta	PASS
2	4805.60	71.29	59.03	-12.26	74.00	14.97	Horizonta	PASS
3	5675.89	55.71	44.83	-10.88	74.00	29.17	Horizonta	PASS
4	7041.34	55.10	46.19	-8.91	74.00	27.81	Horizonta	PASS
5	9607.20	65.28	59.29	-5.99	74.00	14.71	Horizonta	PASS
6	13138.3	49.56	49.13	-0.43	74.00	24.87	Horizonta	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	59.03	-24.76	34.27	54.00	19.73	Horizonta	PASS
2	9607.20	59.29	-24.76	34.53	54.00	19.47	Horizonta	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	67.69	55.43	-12.26	74.00	18.57	Vertical	PASS
2	5255.75	62.13	50.03	-12.10	74.00	23.97	Vertical	PASS
3	6841.28	54.30	45.34	-8.96	74.00	28.66	Vertical	PASS
4	8181.72	53.69	45.97	-7.72	74.00	28.03	Vertical	PASS
5	9607.20	67.59	61.60	-5.99	74.00	12.40	Vertical	PASS
6	15124.0	49.45	52.09	2.64	74.00	21.91	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	4805.60	55.43	-24.76	30.67	54.00	23.33	Vertical	PASS
2	9607.20	61.60	-24.76	36.84	54.00	17.16	Vertical	PASS

Mode:	2DH5-2441

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	69.20	56.25	-12.95	74.00	17.75	Horizonta	PASS
2	7321.44	55.51	46.35	-9.16	74.00	27.65	Horizonta	PASS
3	9762.25	64.88	58.78	-6.10	74.00	15.22	Horizonta	PASS
4	13618.5	50.08	50.95	0.87	74.00	23.05	Horizonta	PASS
5	16014.3	50.78	53.42	2.64	74.00	20.58	Horizonta	PASS
6	17499.8	48.61	54.40	5.79	74.00	19.60	Horizonta	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	56.25	-24.76	31.49	54.00	22.51	Horizonta	PASS
2	9762.25	64.88	-24.76	40.12	54.00	13.88	Horizonta	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	4880.62	67.70	54.75	-12.95	74.00	19.25	Vertical	PASS
2	6576.19	55.94	46.15	-9.79	74.00	27.85	Vertical	PASS
3	9762.25	68.96	62.86	-6.10	74.00	11.14	Vertical	PASS
4	11582.8	51.00	48.76	-2.24	74.00	25.24	Vertical	PASS
5	13668.5	48.45	49.36	0.91	74.00	24.64	Vertical	PASS
6	17439.8	48.83	54.00	5.17	74.00	20.00	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	54.75	-24.76	29.99	54.00	24.01	Vertical	PASS
2	9762.25	62.86	-24.76	38.10	54.00	15.90	Vertical	PASS

Mode:	2DH5-2480

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	3725.24	58.53	42.76	-15.77	74.00	31.24	Horizonta	PASS
2	4880.62	67.45	54.50	-12.95	74.00	19.50	Horizonta	PASS
3	6966.32	54.35	45.35	-9.00	74.00	28.65	Horizonta	PASS
4	9762.25	65.13	59.03	-6.10	74.00	14.97	Horizonta	PASS
5	13763.5	49.55	50.15	0.60	74.00	23.85	Horizonta	PASS
6	17484.8	48.32	53.95	5.63	74.00	20.05	Horizonta	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	54.50	-24.76	29.74	54.00	24.26	Horizonta	PASS
2	9762.25	59.03	-24.76	34.27	54.00	19.73	Horizonta	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	3840.28	59.00	44.19	-14.81	74.00	29.81	Vertical	PASS
2	4880.62	65.94	52.99	-12.95	74.00	21.01	Vertical	PASS
3	7321.44	56.06	46.90	-9.16	74.00	27.10	Vertical	PASS
4	9762.25	68.41	62.31	-6.10	74.00	11.69	Vertical	PASS
5	12003.0	51.13	49.00	-2.13	74.00	25.00	Vertical	PASS
6	17454.8	48.27	53.59	5.32	74.00	20.41	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	9762.25	62.31	-24.76	37.55	54.00	16.45	Vertical	PASS

Mode:	3DH5-2402

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	4960.65	65.74	52.83	-12.91	74.00	21.17	Horizonta	PASS
2	6901.30	54.44	45.28	-9.16	74.00	28.72	Horizonta	PASS
3	9922.30	68.05	62.51	-5.54	74.00	11.49	Horizonta	PASS
4	11127.7	51.45	47.99	-3.46	74.00	26.01	Horizonta	PASS
5	13713.5	49.89	50.76	0.87	74.00	23.24	Horizonta	PASS
6	17534.8	48.27	53.72	5.45	74.00	20.28	Horizonta	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	9922.30	62.51	-24.76	37.75	54.00	16.25	Horizonta	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	4960.65	65.63	52.72	-12.91	74.00	21.28	Vertical	PASS
2	6106.03	55.80	45.73	-10.07	74.00	28.27	Vertical	PASS
3	8146.71	54.60	46.74	-7.86	74.00	27.26	Vertical	PASS
4	9922.30	68.89	63.35	-5.54	74.00	10.65	Vertical	PASS
5	11997.9	50.68	48.52	-2.16	74.00	25.48	Vertical	PASS
6	17519.8	47.68	53.28	5.60	74.00	20.72	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	9922.30	63.35	-24.76	38.59	54.00	15.41	Vertical	PASS

Mode:	3DH5-2441

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	68.66	56.40	-12.26	74.00	17.60	Horizonta	PASS
2	8276.75	54.30	46.55	-7.75	74.00	27.45	Horizonta	PASS
3	9607.20	65.19	59.20	-5.99	74.00	14.80	Horizonta	PASS
4	11592.8	51.27	49.03	-2.24	74.00	24.97	Horizonta	PASS
5	13683.5	49.21	50.14	0.93	74.00	23.86	Horizonta	PASS
6	17714.9	48.72	53.65	4.93	74.00	20.35	Horizonta	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	56.40	-24.76	31.64	54.00	22.36	Horizonta	PASS
2	9607.20	59.20	-24.76	34.44	54.00	19.56	Horizonta	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	3435.14	58.93	42.92	-16.01	74.00	31.08	Vertical	PASS
2	4805.60	66.56	54.30	-12.26	74.00	19.70	Vertical	PASS
3	5915.97	55.52	44.91	-10.61	74.00	29.09	Vertical	PASS
4	6866.28	55.14	46.09	-9.05	74.00	27.91	Vertical	PASS
5	9607.20	67.23	61.24	-5.99	74.00	12.76	Vertical	PASS
6	17779.9	48.18	53.92	5.74	74.00	20.08	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	54.30	-24.76	29.54	54.00	24.46	Vertical	PASS
2	9607.20	61.24	-24.76	36.48	54.00	17.52	Vertical	PASS

Mode:	32DH5-2480

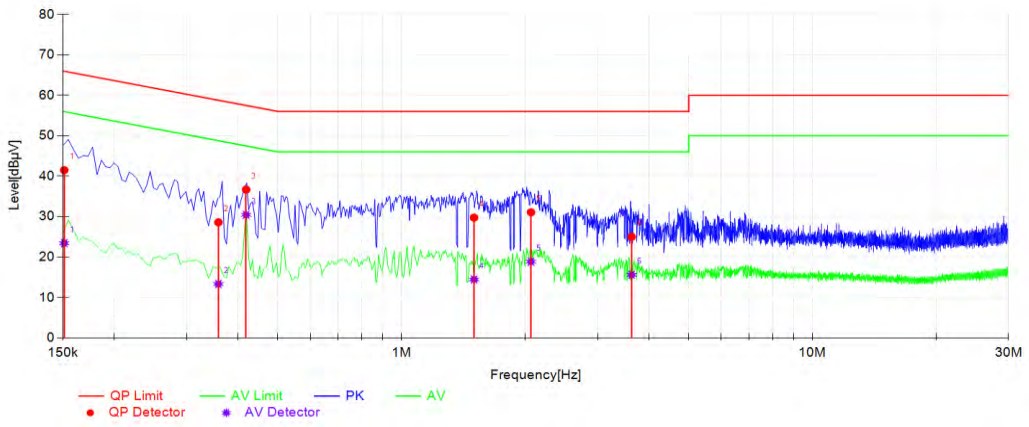
PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	4960.65	67.10	54.19	-12.91	74.00	19.81	Horizonta	PASS
2	5455.81	56.49	44.84	-11.65	74.00	29.16	Horizonta	PASS
3	7091.36	53.88	44.97	-8.91	74.00	29.03	Horizonta	PASS
4	9922.30	67.20	61.66	-5.54	74.00	12.34	Horizonta	PASS
5	13903.6	48.14	49.00	0.86	74.00	25.00	Horizonta	PASS
6	17114.7	48.22	53.17	4.95	74.00	20.83	Horizonta	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	54.19	-24.76	29.43	54.00	24.57	Horizonta	PASS
2	9922.30	61.66	-24.76	36.90	54.00	17.10	Horizonta	PASS

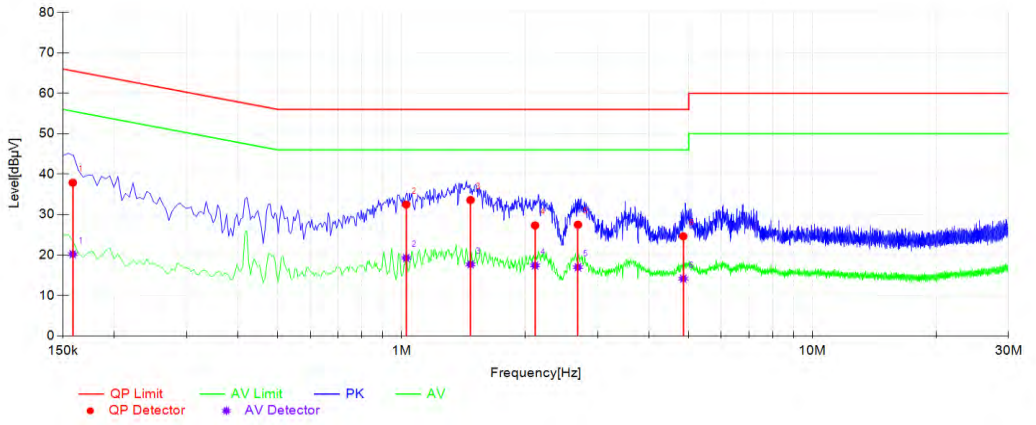
PK Final Data List								
NO.	Freq. [MHz]	PK Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Verdict
1	4960.65	66.52	53.61	-12.91	74.00	20.39	Vertical	PASS
2	6326.10	55.03	44.83	-10.20	74.00	29.17	Vertical	PASS
3	9922.30	69.19	63.65	-5.54	74.00	10.35	Vertical	PASS
4	11822.9	50.71	48.81	-1.90	74.00	25.19	Vertical	PASS
5	13968.6	49.32	49.73	0.41	74.00	24.27	Vertical	PASS
6	17454.8	49.07	54.39	5.32	74.00	19.61	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	9922.30	63.65	-24.76	38.89	54.00	15.11	Vertical	PASS
2	17454.8	54.39	-24.76	29.63	54.00	24.37	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	0.1510	10.26	41.51	65.95	24.44	23.43	55.95	32.52	L1	PASS
2	0.3582	10.27	28.61	58.77	30.16	13.34	48.77	35.43	L1	PASS
3	0.4186	10.26	36.69	57.48	20.79	30.45	47.48	17.03	L1	PASS
4	1.5014	10.29	29.76	56.00	26.24	14.47	46.00	31.53	L1	PASS
5	2.0654	10.29	31.08	56.00	24.92	18.86	46.00	27.14	L1	PASS
6	3.6315	10.31	25.00	56.00	31.00	15.62	46.00	30.38	L1	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	0.1584	10.26	37.89	65.55	27.66	20.22	55.55	35.33	N	PASS
2	1.0264	10.28	32.49	56.00	23.51	19.29	46.00	26.71	N	PASS
3	1.4721	10.28	33.61	56.00	22.39	17.68	46.00	28.32	N	PASS
4	2.1134	10.30	27.33	56.00	28.67	17.42	46.00	28.58	N	PASS
5	2.6878	10.33	27.51	56.00	28.49	16.99	46.00	29.01	N	PASS
6	4.8504	10.41	24.64	56.00	31.36	14.17	46.00	31.83	N	PASS