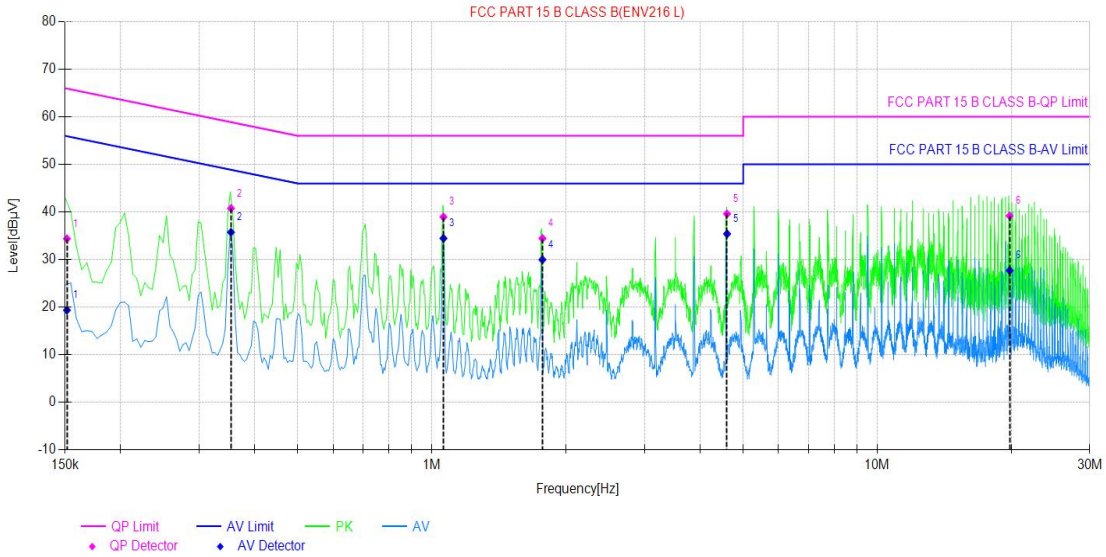
Final Test Mode:	Through Pre-scan, find the the worst case.
Instruments Used:	Refer to section 2.9 for details
Test Results:	PASS

Measurement Data

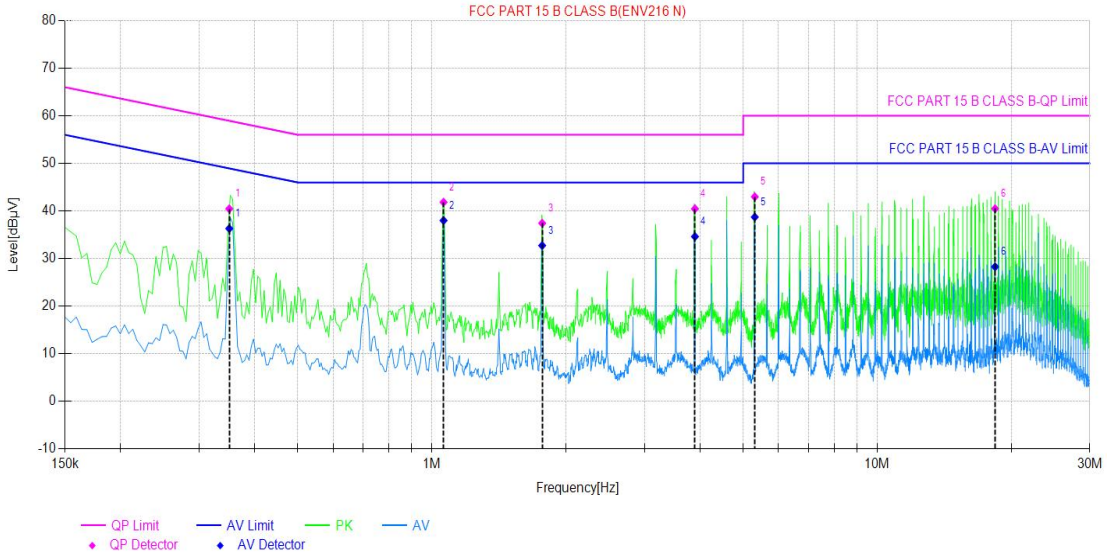
An initial pre-scan was performed on the live and neutral lines with peak detector.
Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live Line:



NO.	Freq. [MHz]	Correct Factor [dB]	QP Reading Level [dBµV]	QP Result Level [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Reading Level [dBµV]	AV Result Level [dBµV]	AV Limit [dBµV]	AV Margin [dB]
1	0.1515	9.89	24.5	34.39	65.92	31.53	9.49	19.38	55.92	36.54
2	0.3538	9.82	30.94	40.76	58.87	18.11	25.93	35.75	48.87	13.12
3	1.0615	9.72	29.24	38.96	56.00	17.04	24.75	34.47	46.00	11.53
4	1.7705	9.73	24.73	34.46	56.00	21.54	20.26	29.99	46.00	16.01
5	4.6000	9.78	29.82	39.60	56.00	16.40	25.63	35.41	46.00	10.59
6	19.8309	10.12	29.07	39.19	60.00	20.81	17.61	27.73	50.00	22.27

Neutral Line:



NO.	Freq. [MHz]	Correct Factor [dB]	QP Reading Level [dBµV	QP Result Level [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Reading Level [dBµV	AV Result Level [dBµV]	AV Limit [dBµV]	AV Margin [dB]
1	0.3507	9.87	30.59	40.46	58.95	18.49	26.44	36.31	48.95	12.64
2	1.0620	9.68	32.16	41.84	56.00	14.16	28.33	38.01	46.00	7.99
3	1.7682	9.75	27.69	37.44	56.00	18.56	23	32.75	46.00	13.25
4	3.8959	9.95	30.51	40.46	56.00	15.54	24.68	34.63	46.00	11.37
5	5.3084	9.98	33.01	42.99	60.00	17.01	28.75	38.73	50.00	11.27
6	18.390	10.03	30.46	40.49	60.00	19.51	18.26	28.29	50.00	21.71

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:

2. The Measurement (Result Level) is calculated by Reading Level adding the Correct Factor(maybe including LISN Factor and the Cable Factor etc.), The basic equation is as follows:

Result Level= Reading Level + Correct Factor(including LISN Factor, Cable Factor etc

4 Appendix

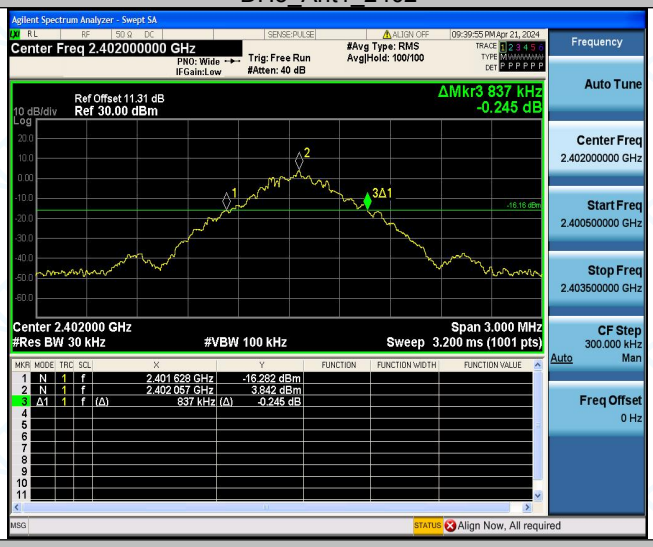
Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.837	2401.628	2402.465	---	---
		2441	0.927	2440.601	2441.528	---	---
		2480	0.951	2479.586	2480.537	---	---
2DH5	Ant1	2402	1.284	2401.424	2402.708	---	---
		2441	1.287	2440.421	2441.708	---	---
		2480	1.275	2479.424	2480.699	---	---
3DH5	Ant1	2402	1.281	2401.412	2402.693	---	---
		2441	1.320	2440.394	2441.714	---	---
		2480	1.317	2479.397	2480.714	---	---

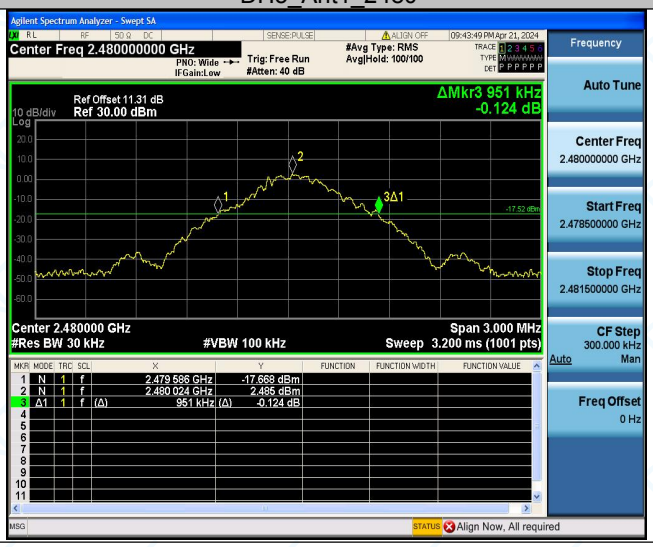
Test Graphs

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

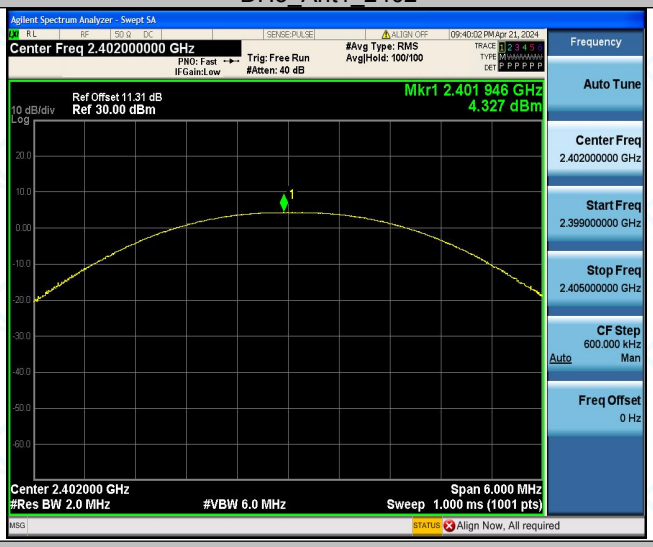
Appendix B: Maximum conducted output power

Test Result

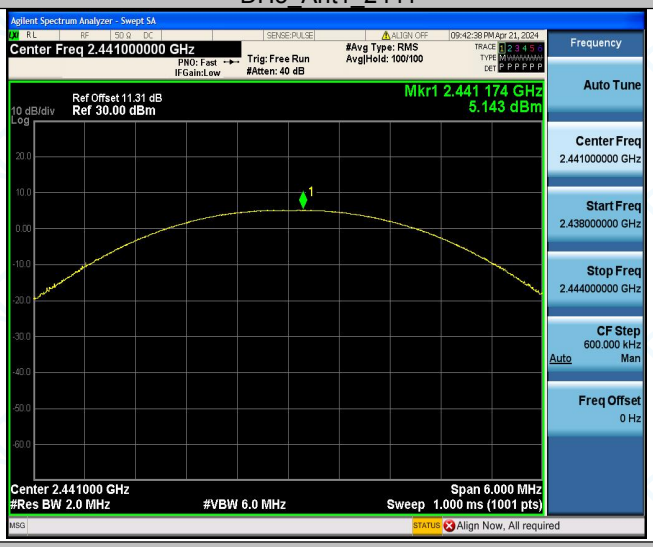
Test Mode	Antenna	Freq(MHz)	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	4.33	≤20.97	PASS
		2441	5.14	≤20.97	PASS
		2480	5.34	≤20.97	PASS
2DH5	Ant1	2402	6.56	≤20.97	PASS
		2441	5.28	≤20.97	PASS
		2480	5.51	≤20.97	PASS
3DH5	Ant1	2402	4.96	≤20.97	PASS
		2441	5.87	≤20.97	PASS
		2480	6	≤20.97	PASS

Test Graphs

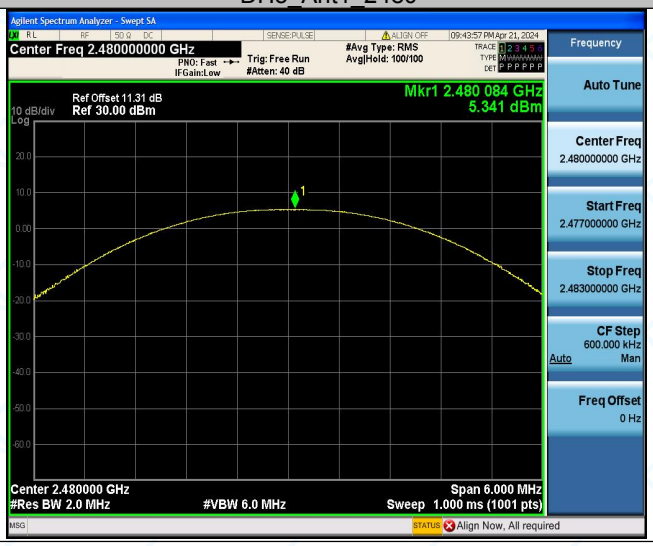
DH5_Ant1_2402



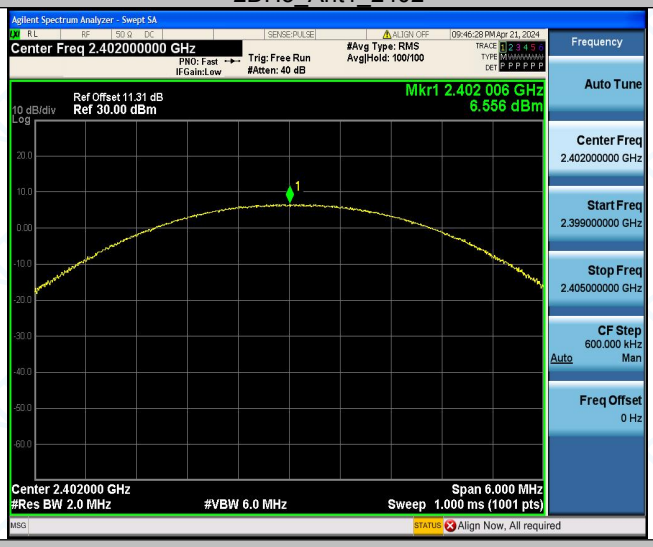
DH5_Ant1_2441



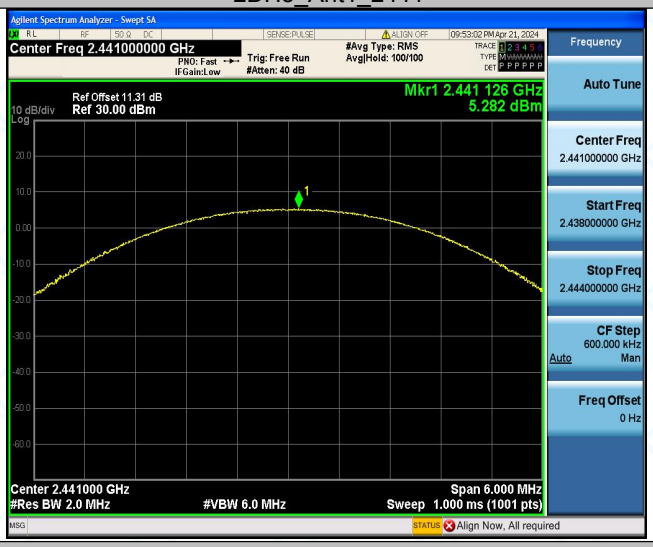
DH5_Ant1_2480



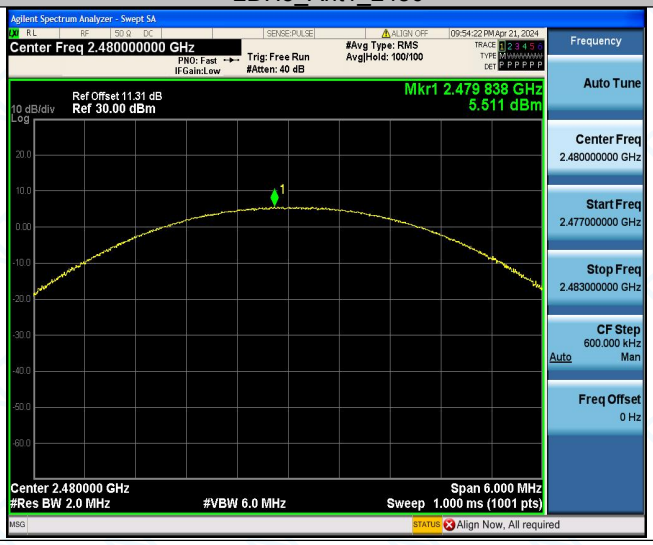
2DH5_Ant1_2402



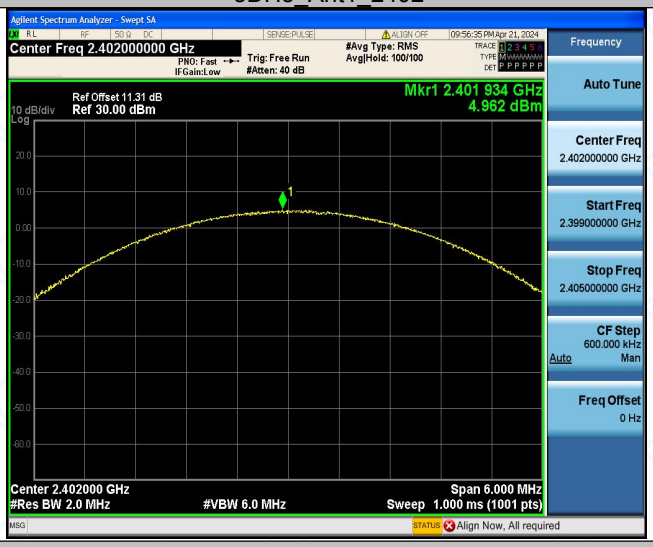
2DH5_Ant1_2441



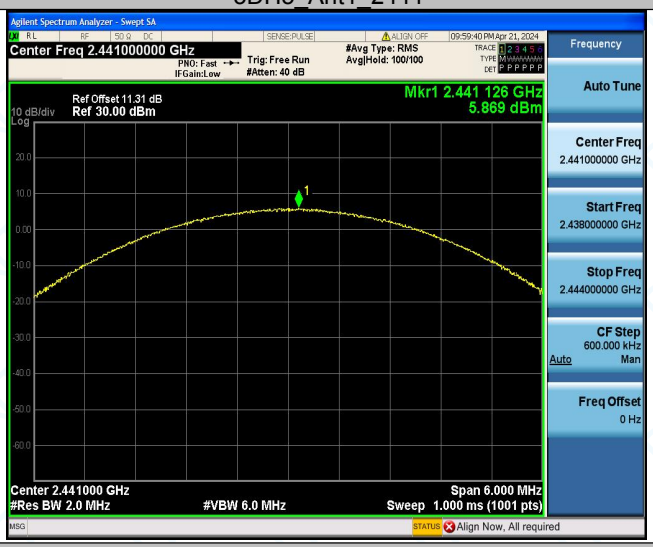
2DH5_Ant1_2480



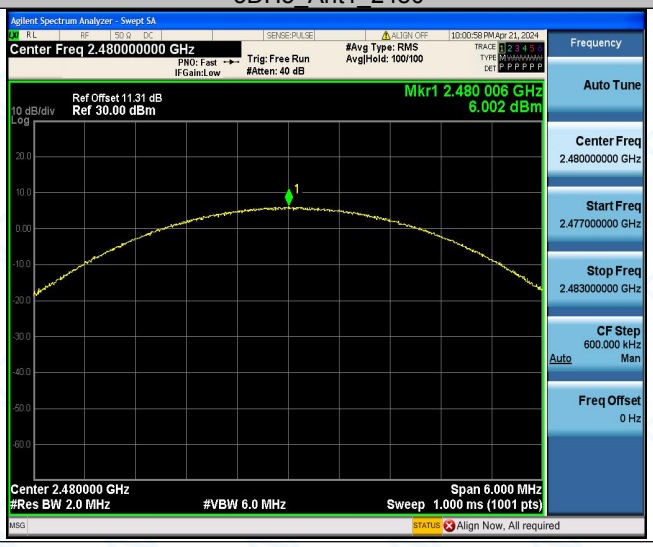
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Carrier frequency separation

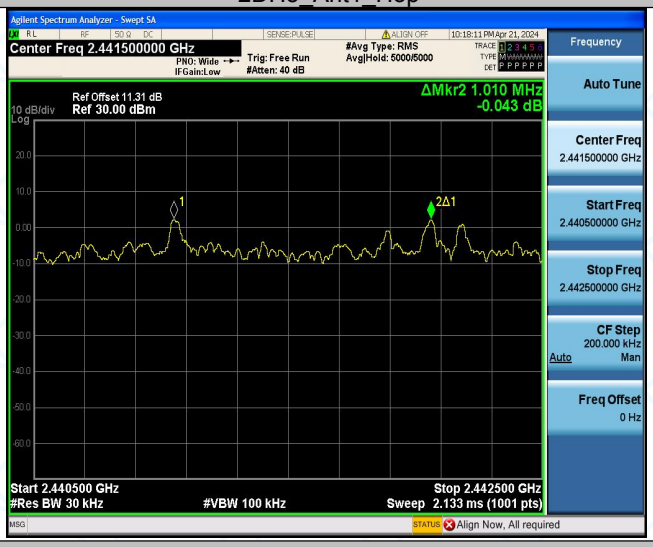
Test Result

Test Mode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.02	≥0.951	PASS
2DH5	Ant1	Hop	1.01	≥0.858	PASS
3DH5	Ant1	Hop	0.996	≥0.880	PASS

Test Graphs

DH5_Ant1_Hop

2DH5_Ant1_Hop



3DH5_Ant1_Hop

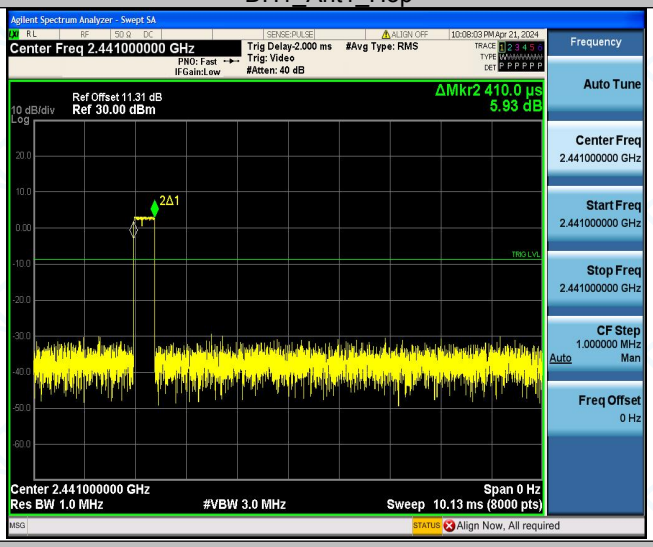
Appendix D: Dwell Time

Test Result

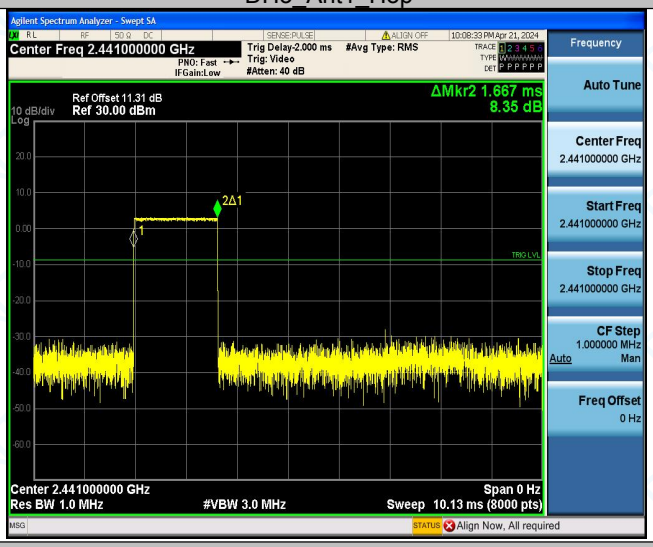
Test Mode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.410	320	0.131	≤0.4	PASS
DH3	Ant1	Hop	1.667	160	0.267	≤0.4	PASS
DH5	Ant1	Hop	2.915	106.67	0.311	≤0.4	PASS
2DH1	Ant1	Hop	0.421	320	0.135	≤0.4	PASS
2DH3	Ant1	Hop	0.421	160	0.067	≤0.4	PASS
2DH5	Ant1	Hop	2.921	106.67	0.312	≤0.4	PASS
3DH1	Ant1	Hop	0.422	320	0.135	≤0.4	PASS
3DH3	Ant1	Hop	1.672	160	0.268	≤0.4	PASS
3DH5	Ant1	Hop	2.923	106.67	0.312	≤0.4	PASS

Test Graphs

DH1_Ant1_Hop



DH3_Ant1_Hop



DH5_Ant1_Hop