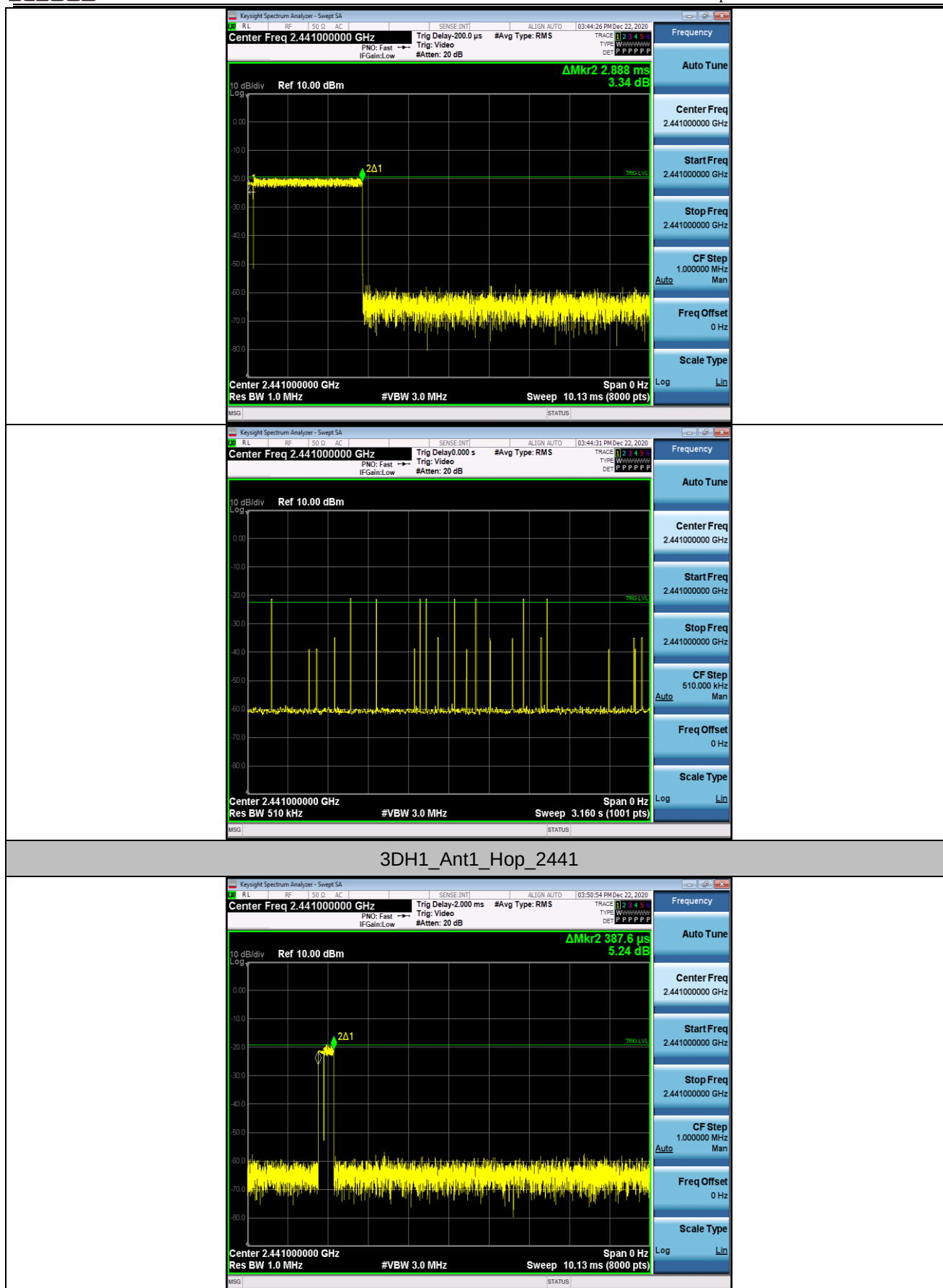
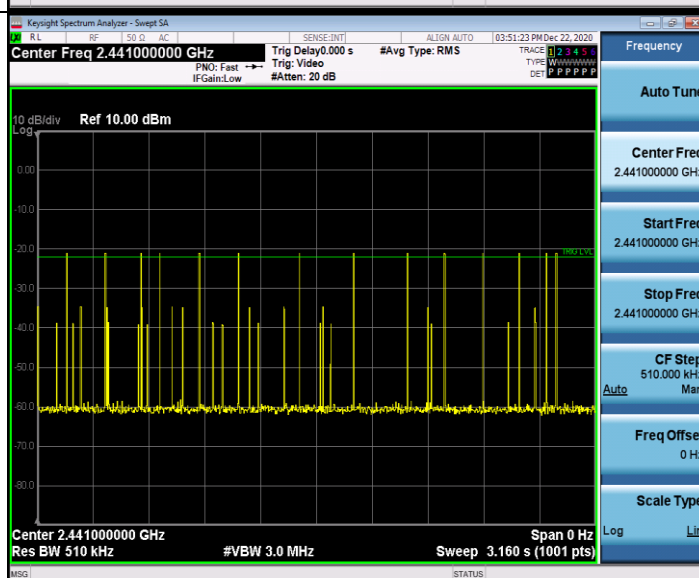
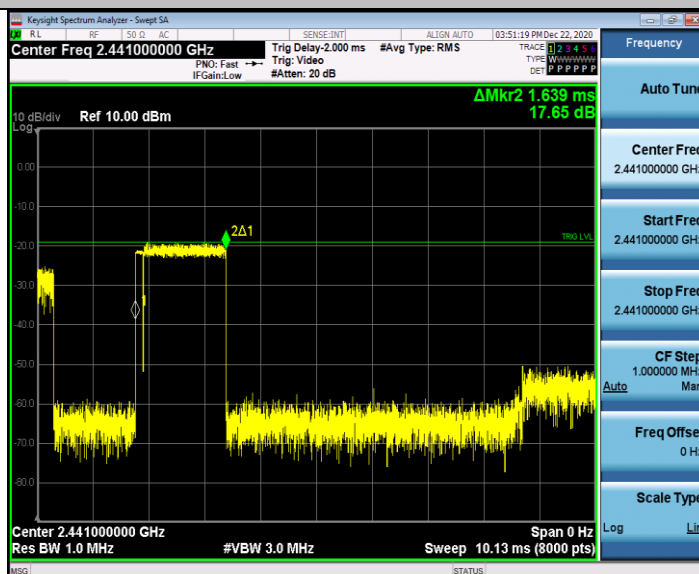




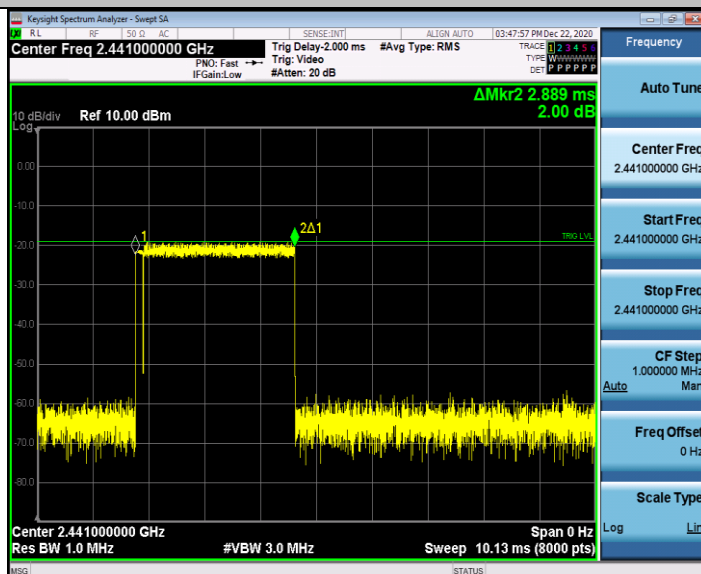
3DH1_Ant1_Hop_2441



3DH3_Ant1_Hop_2441



3DH5_Ant1_Hop_2441

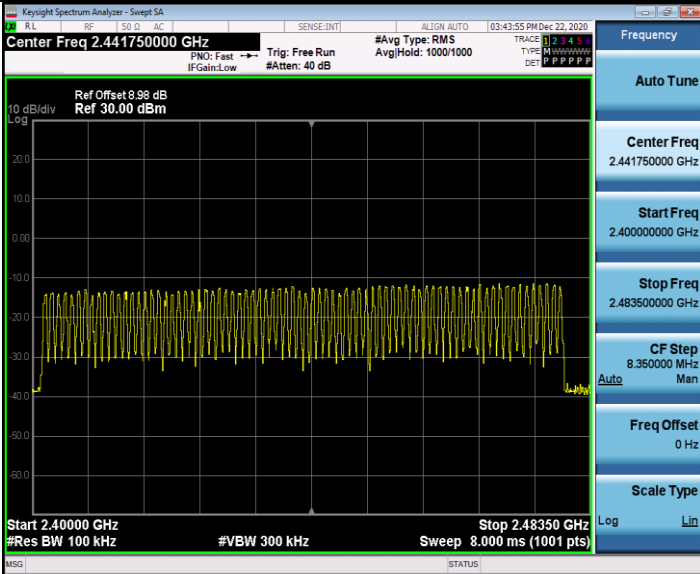
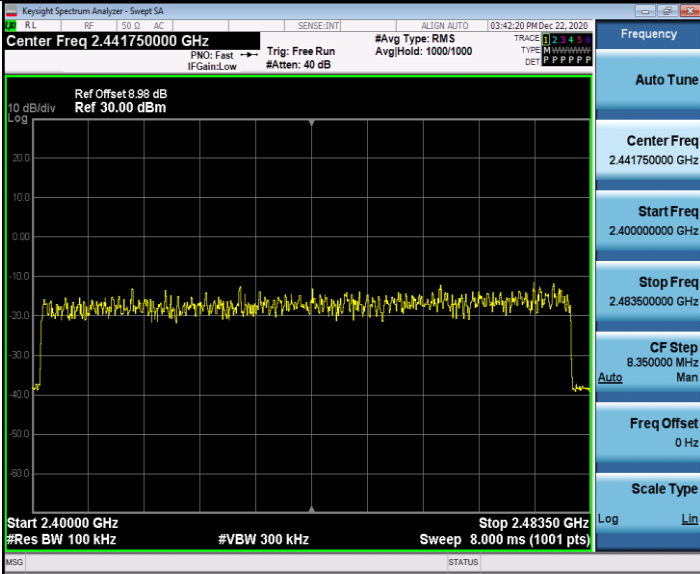


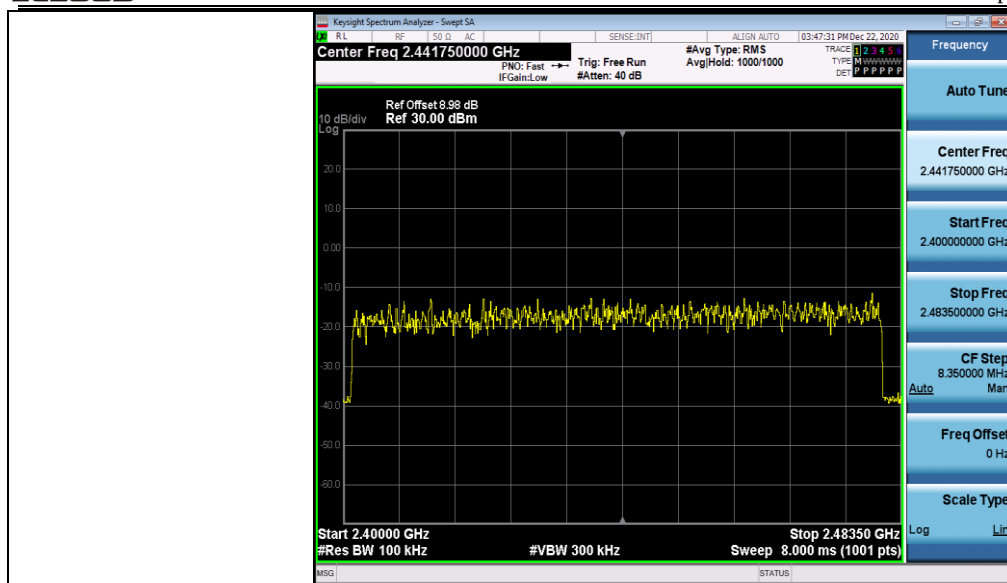
Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	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		
 KeySight Spectrum Analyzer - Swept SA Center Freq 2.441750000 GHz Ref Offset 8.98 dB Ref 30.00 dBm 10 dB/div Log Start 2.40000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 8.000 ms (1001 pts) Stop 2.48350 GHz Trig: Free Run #Atten: 40 dB #Avg Type: RMS Avg/Hold: 1000/1000 Frequency Auto Tune Center Freq 2.441750000 GHz Start Freq 2.400000000 GHz Stop Freq 2.483500000 GHz CF Step 8.350000 MHz Auto Freq Offset 0 Hz Scale Type Log		
2DH5_Ant1_Hop		
 KeySight Spectrum Analyzer - Swept SA Center Freq 2.441750000 GHz Ref Offset 8.98 dB Ref 30.00 dBm 10 dB/div Log Start 2.40000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 8.000 ms (1001 pts) Stop 2.48350 GHz Trig: Free Run #Atten: 40 dB #Avg Type: RMS Avg/Hold: 1000/1000 Frequency Auto Tune Center Freq 2.441750000 GHz Start Freq 2.400000000 GHz Stop Freq 2.483500000 GHz CF Step 8.350000 MHz Auto Freq Offset 0 Hz Scale Type Log		
3DH5_Ant1_Hop		



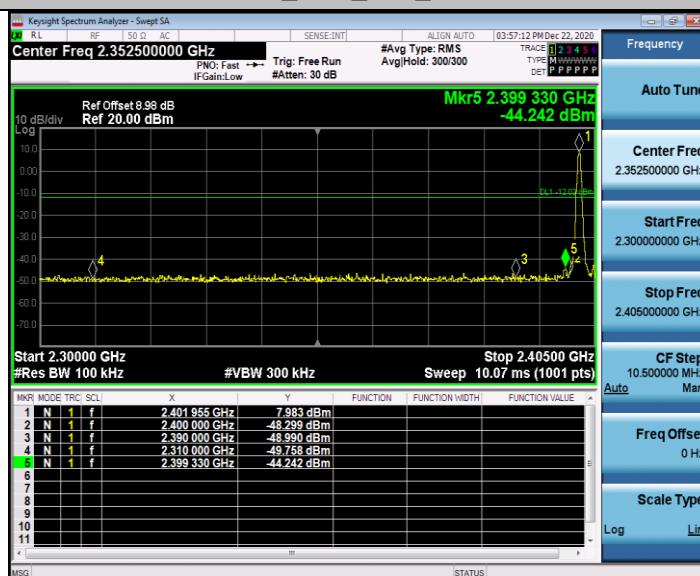
Appendix G: Band edge measurements

Test Result

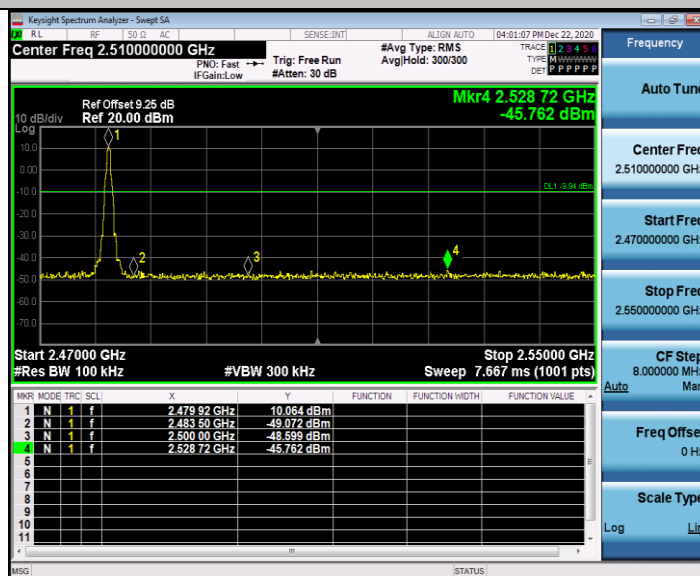
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	7.98	-44.24	<=-12.02	PASS
		High	2480	10.06	-45.76	<=-9.94	PASS
		Low	Hop_2402	7.93	-46.83	<=-12.07	PASS
		High	Hop_2480	9.19	-45.74	<=-10.81	PASS
2DH5	Ant1	Low	2402	7.78	-44.61	<=-12.22	PASS
		High	2480	9.20	-45.65	<=-10.8	PASS
		Low	Hop_2402	4.50	-46.36	<=-15.5	PASS
		High	Hop_2480	10.29	-46.18	<=-9.71	PASS
3DH5	Ant1	Low	2402	7.85	-44.87	<=-12.16	PASS
		High	2480	9.80	-46.28	<=-10.2	PASS
		Low	Hop_2402	6.86	-46.59	<=-13.15	PASS
		High	Hop_2480	6.64	-45.82	<=-13.37	PASS

Test Graphs

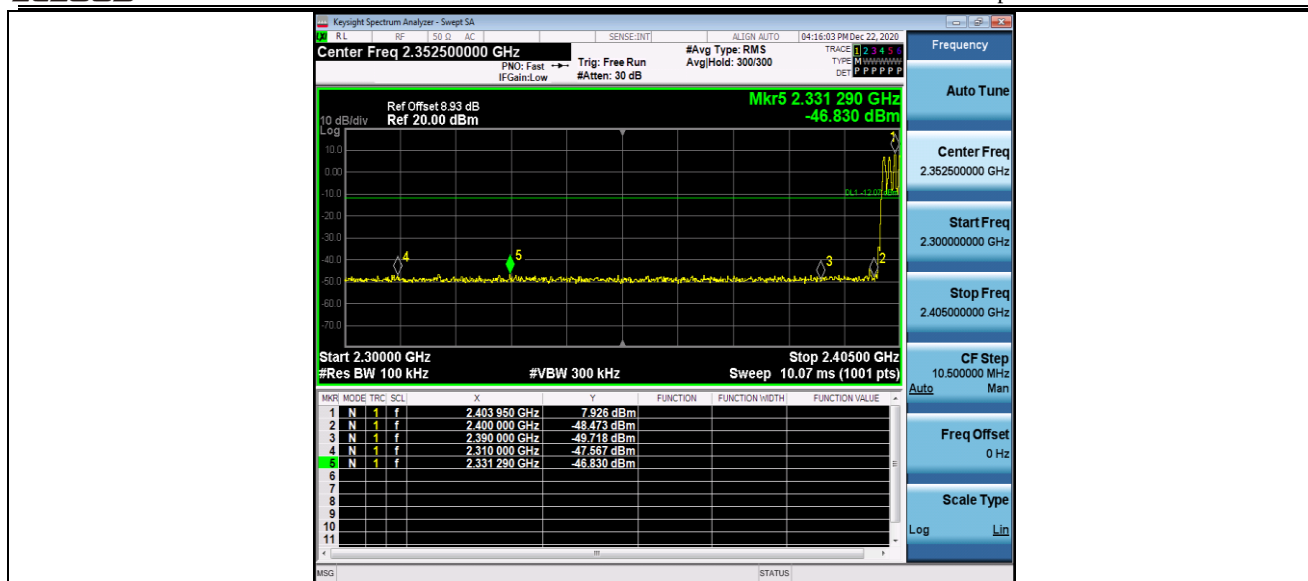
DH5_Ant1_Low_2402



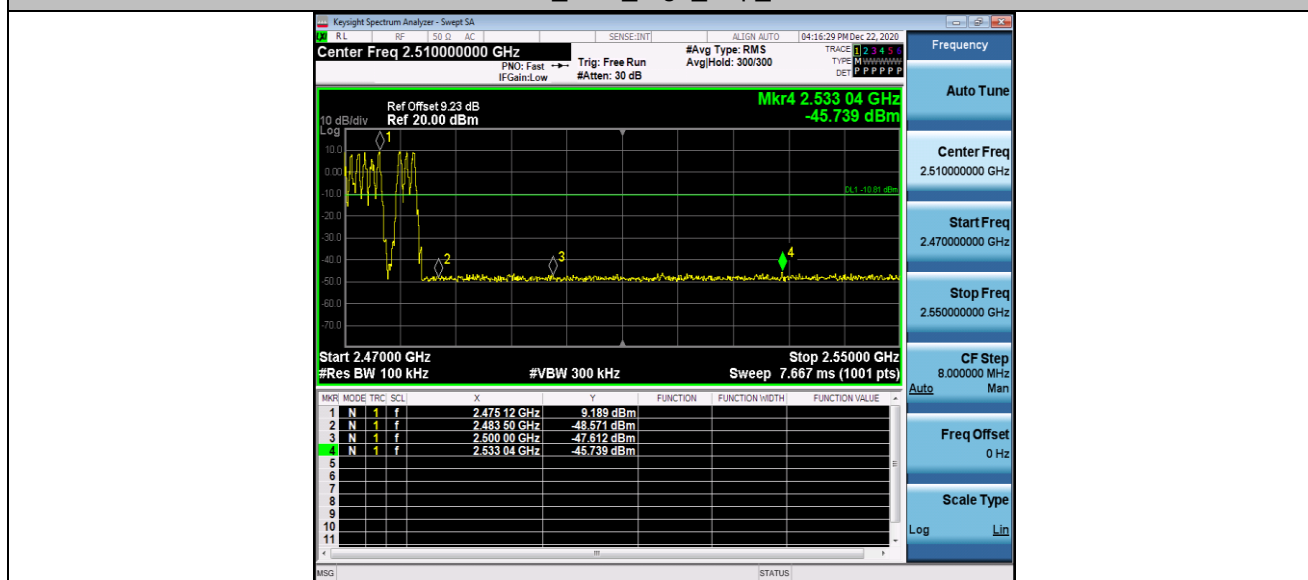
DH5_Ant1_High_2480



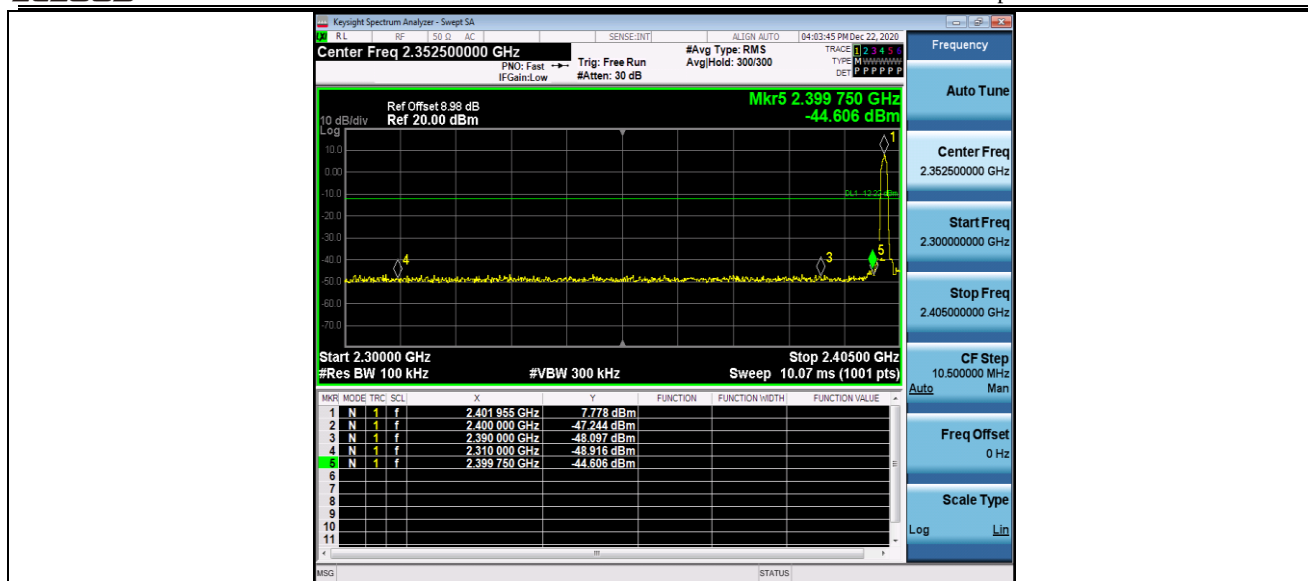
DH5_Ant1_Low_Hop_2402



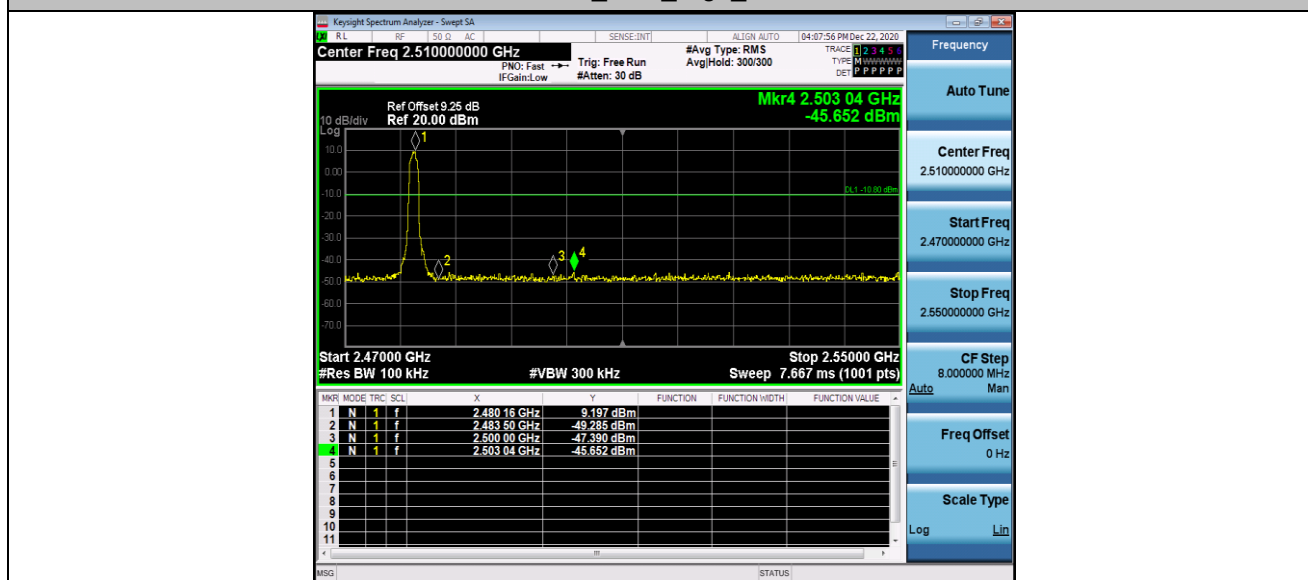
DH5_Ant1_High_Hop_2480



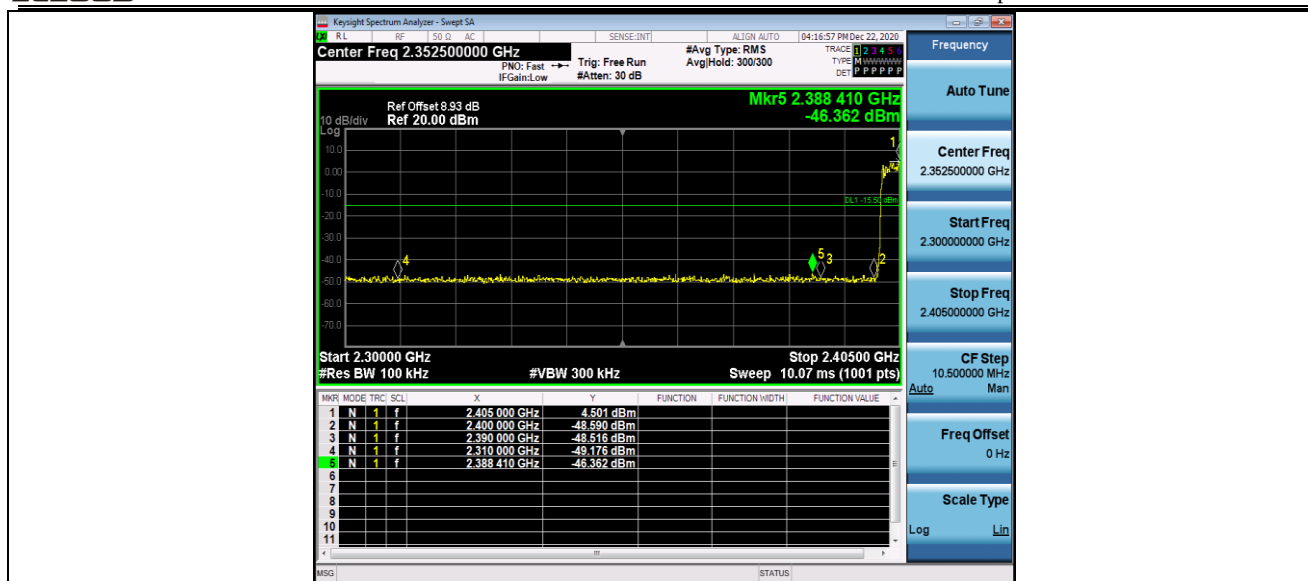
2DH5_Ant1_Low_2402



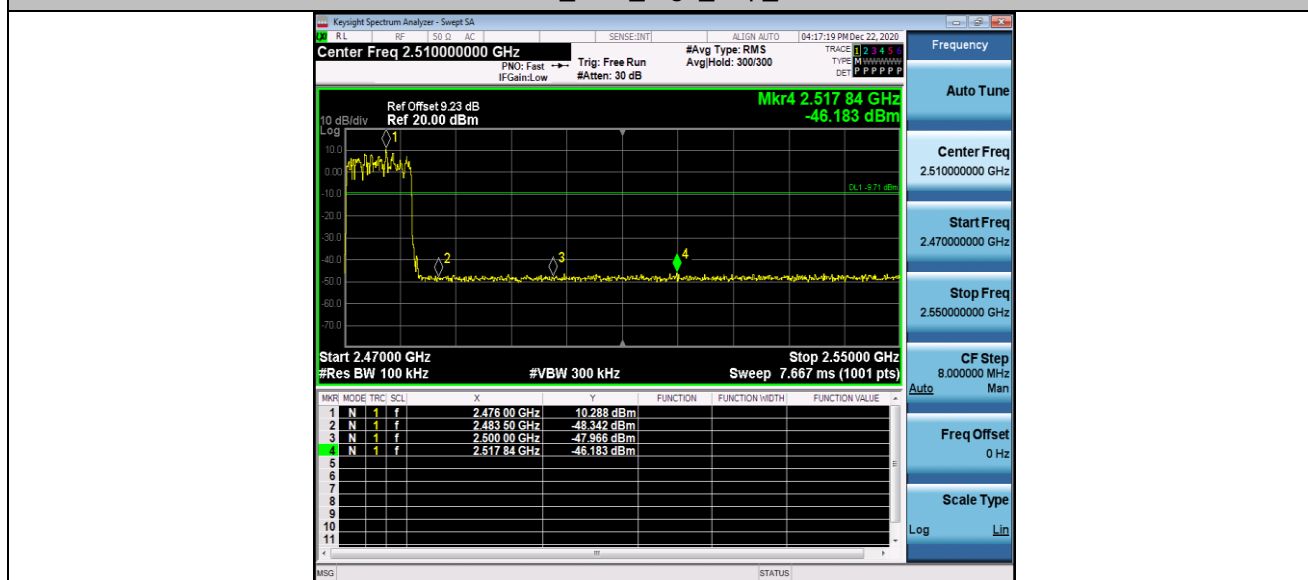
2DH5_Ant1_High_2480



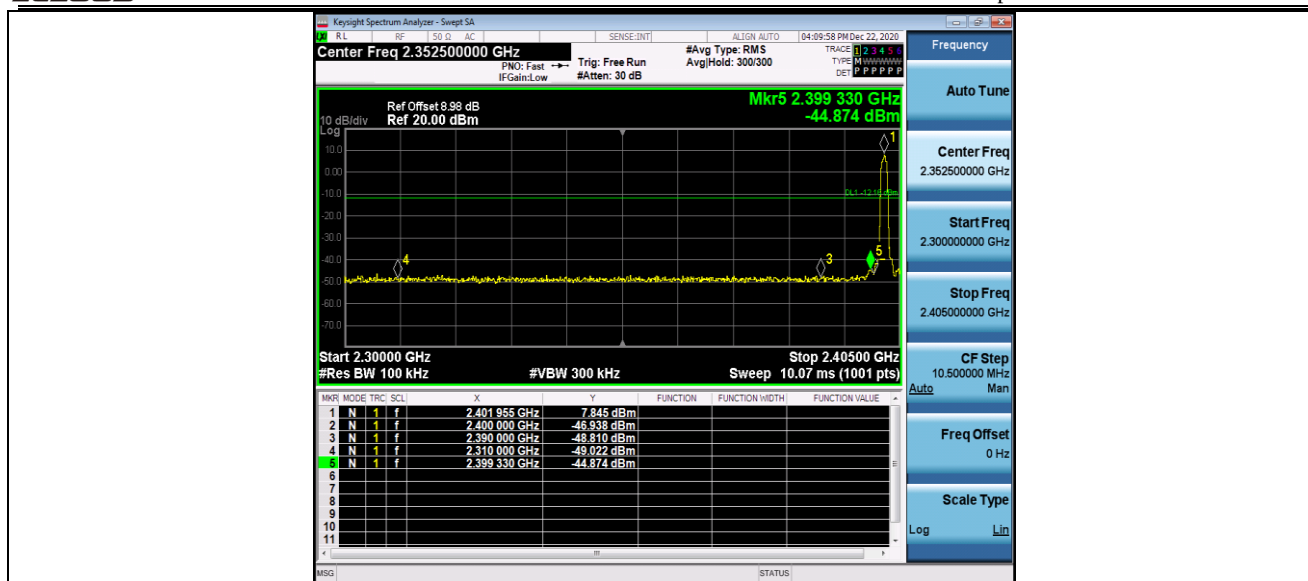
2DH5_Ant1_Low_Hop_2402



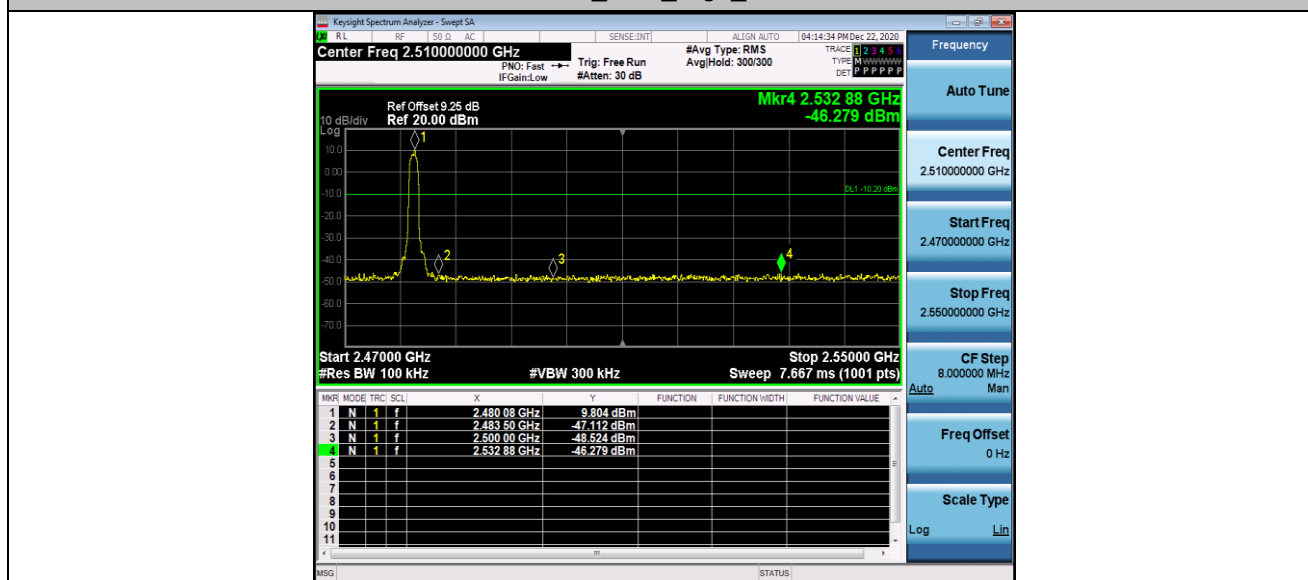
2DH5_Ant1_High_Hop_2480



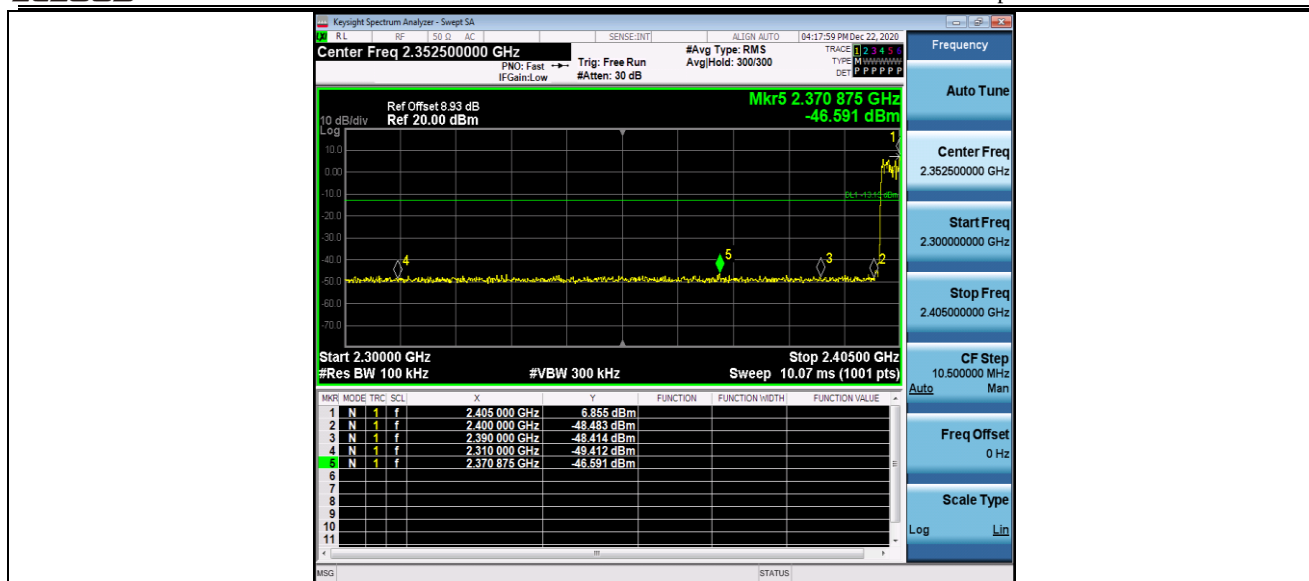
3DH5_Ant1_Low_2402



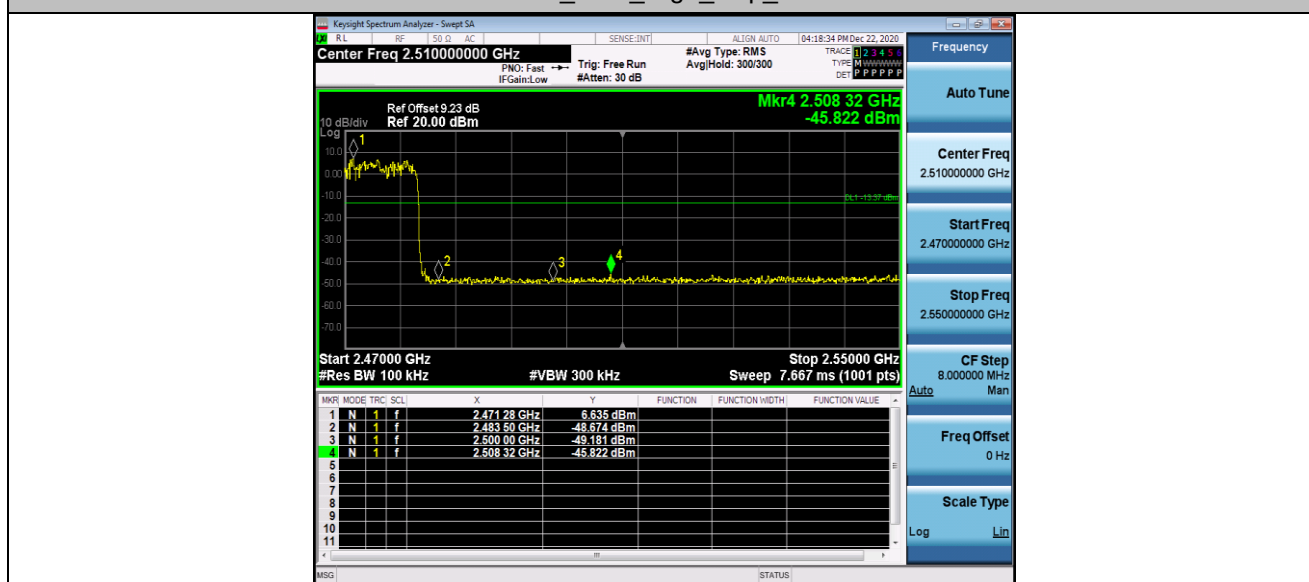
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

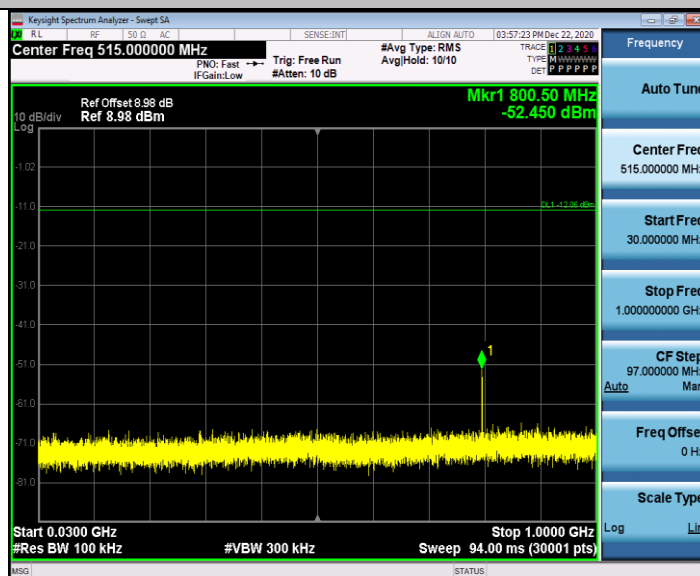
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	7.94	7.94	---	PASS
			30~1000	30~1000	-52.45	<=-12.056	PASS
			1000~26500	1000~26500	-37.43	<=-12.056	PASS
		2441	Reference	8.53	8.53	---	PASS
			30~1000	30~1000	-52.324	<=-11.472	PASS
			1000~26500	1000~26500	-38.887	<=-11.472	PASS
		2480	Reference	9.57	9.57	---	PASS
			30~1000	30~1000	-52.147	<=-10.425	PASS
			1000~26500	1000~26500	-40.121	<=-10.425	PASS
2DH5	Ant1	2402	Reference	7.40	7.40	---	PASS
			30~1000	30~1000	-54.437	<=-12.603	PASS
			1000~26500	1000~26500	-37.129	<=-12.603	PASS
		2441	Reference	8.06	8.06	---	PASS
			30~1000	30~1000	-54.133	<=-11.941	PASS
			1000~26500	1000~26500	-38.682	<=-11.941	PASS
		2480	Reference	9.85	9.85	---	PASS
			30~1000	30~1000	-65.787	<=-10.15	PASS
			1000~26500	1000~26500	-40.062	<=-10.15	PASS
3DH5	Ant1	2402	Reference	7.33	7.33	---	PASS
			30~1000	30~1000	-55.605	<=-12.67	PASS
			1000~26500	1000~26500	-37.446	<=-12.67	PASS
		2441	Reference	9.10	9.10	---	PASS
			30~1000	30~1000	-55.545	<=-10.905	PASS
			1000~26500	1000~26500	-38.587	<=-10.905	PASS
		2480	Reference	9.43	9.43	---	PASS
			30~1000	30~1000	-52.387	<=-10.571	PASS
			1000~26500	1000~26500	-40.375	<=-10.571	PASS

Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



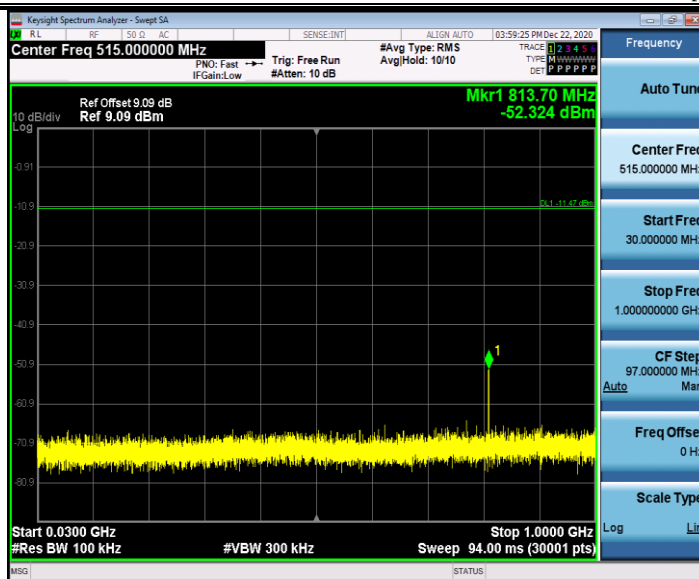
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



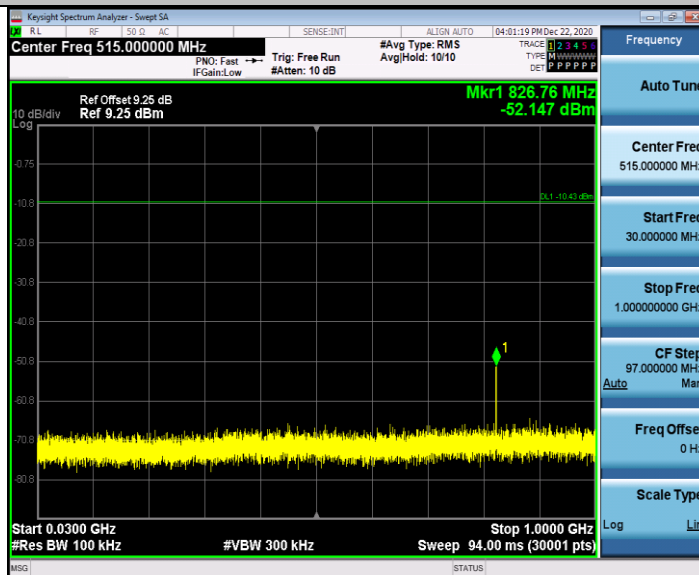
DH5_Ant1_2441_1000~26500



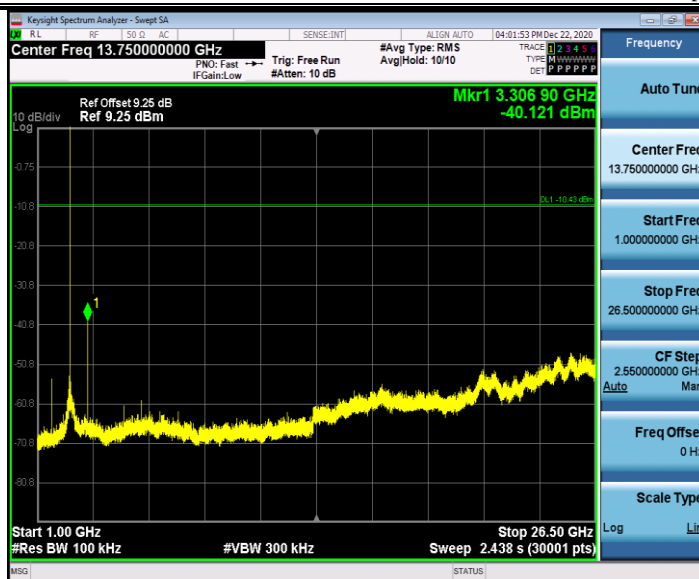
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



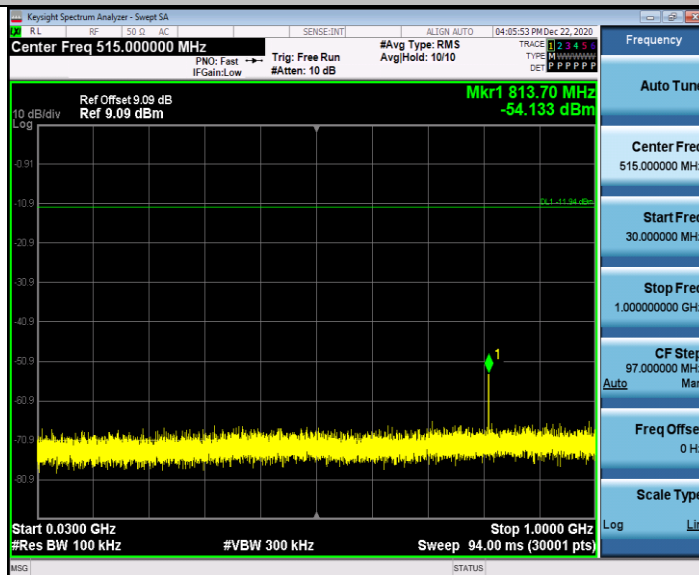
2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference



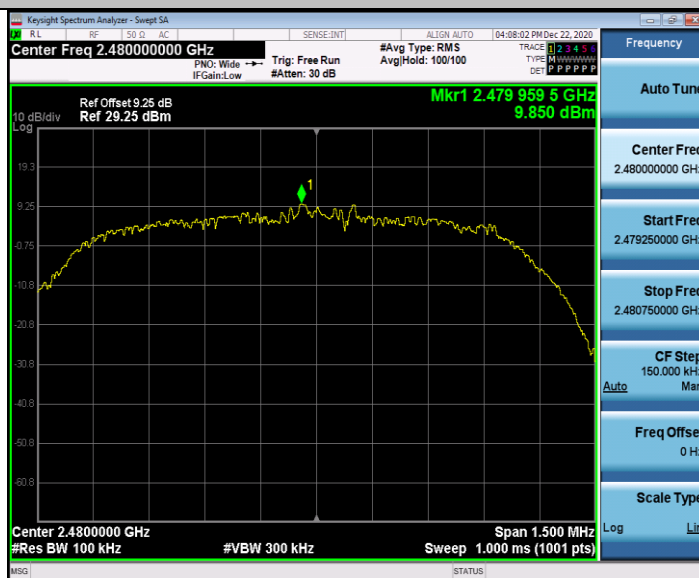
2DH5_Ant1_2441_30~1000



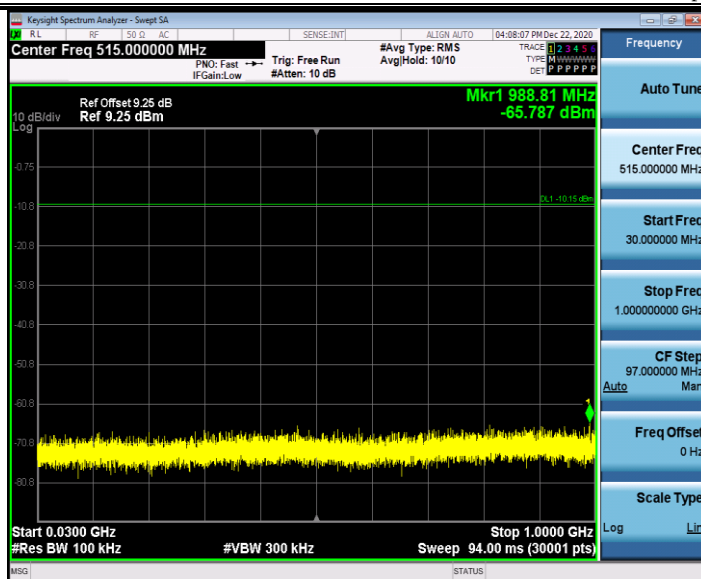
2DH5_Ant1_2441_1000~26500



2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



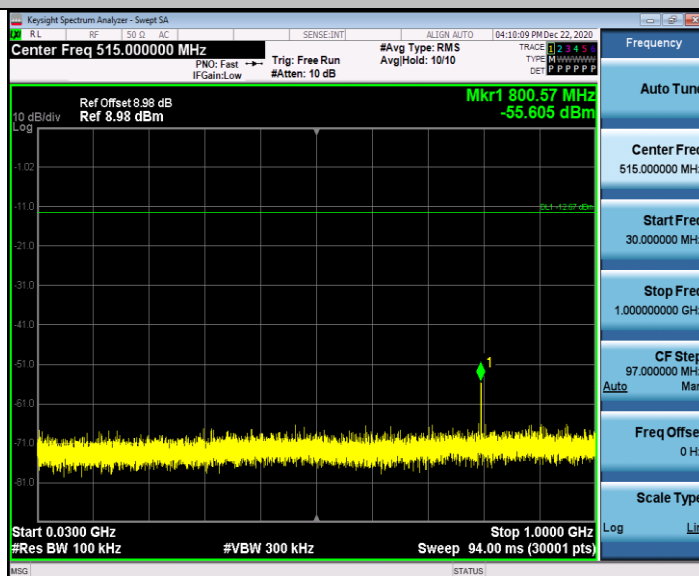
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



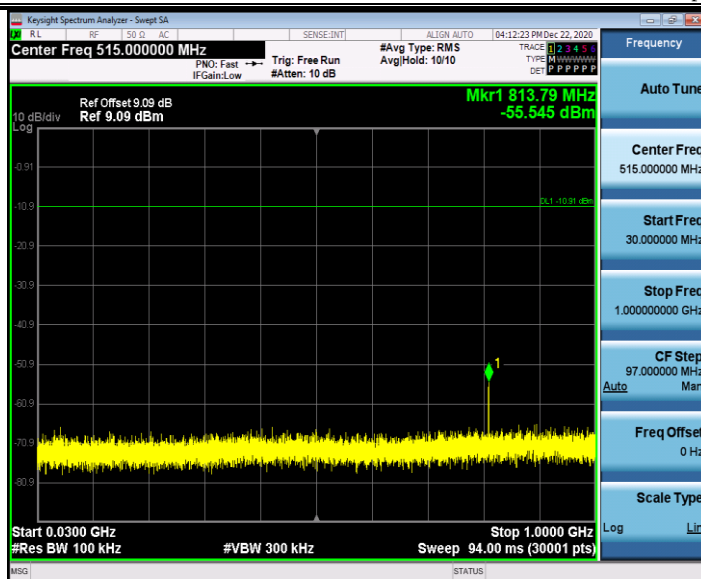
3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



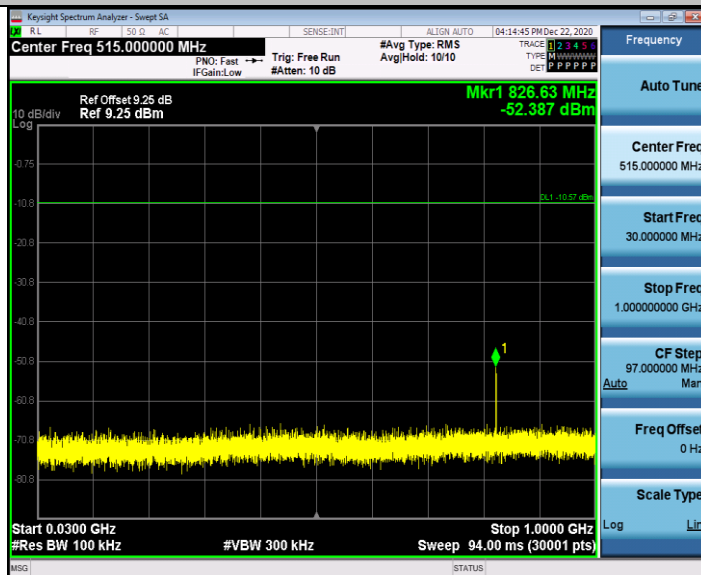
3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



Appendix I. Setup Photographs

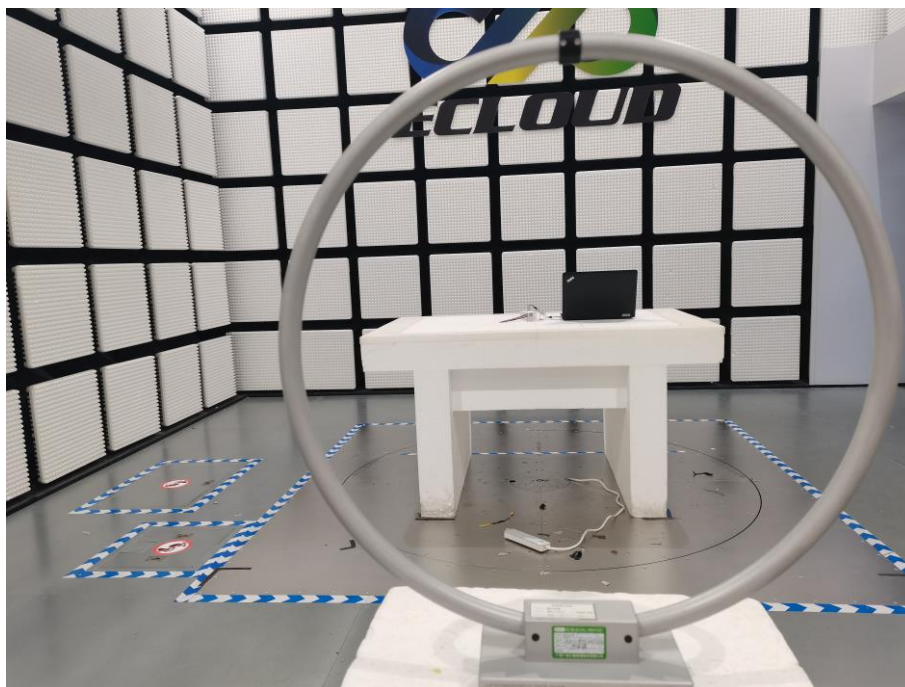


Fig. 1 Radiated emission setup photo(Below 30MHz)

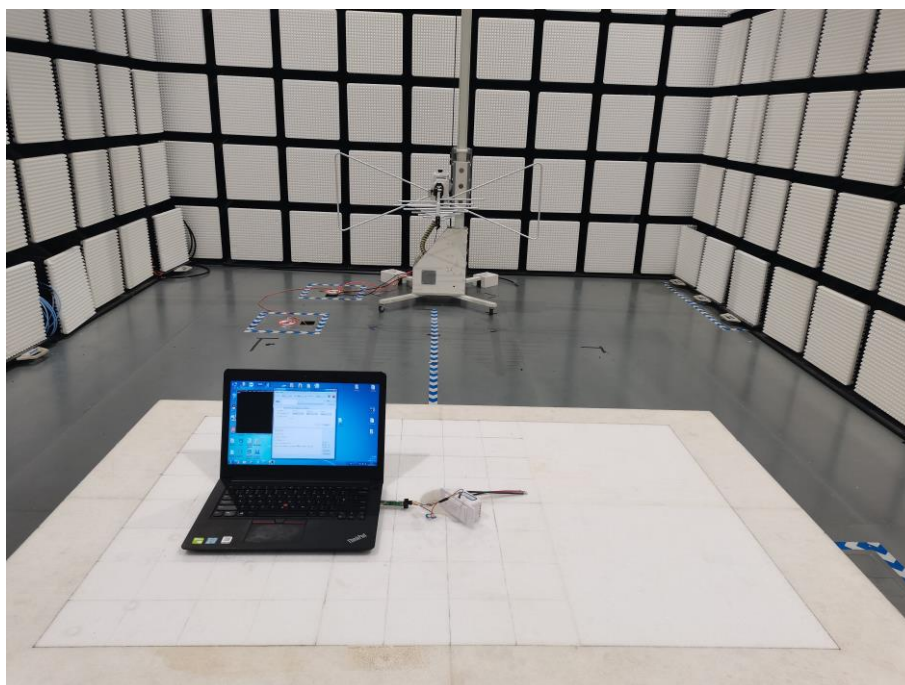


Fig. 2 Radiated emission setup photo(30MHz-1GHz)

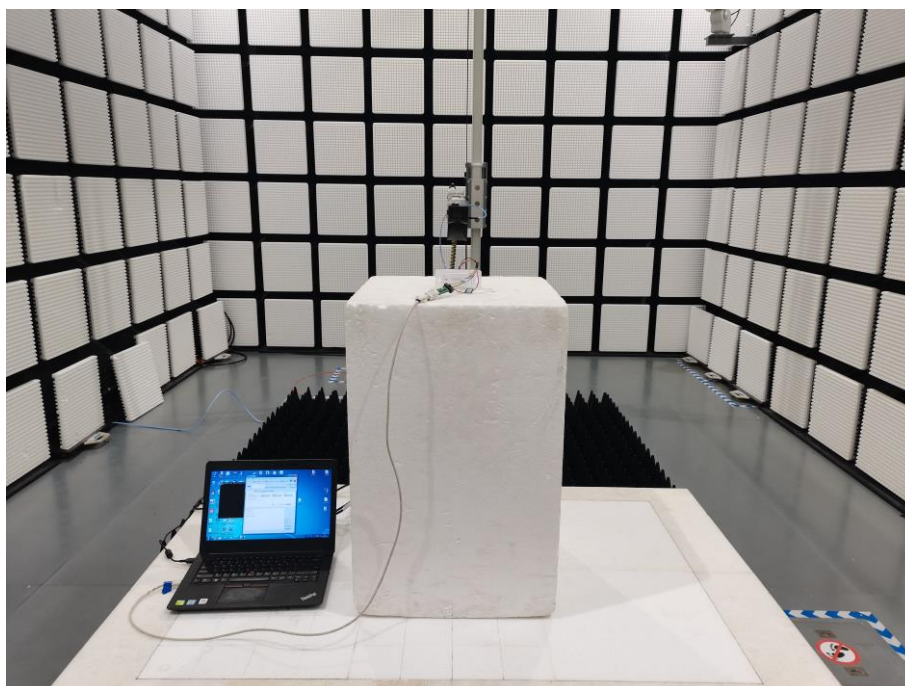


Fig. 3 Radiated emission setup photo(Above 1GHz)



Fig. 4 Power line conducted emission setup photo

-----End of the report-----