



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: TABLET

Test Model: ELITE10QH

Environmental Conditions

Temperature:	21.1° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan



A.1 20dB Emission Bandwidth

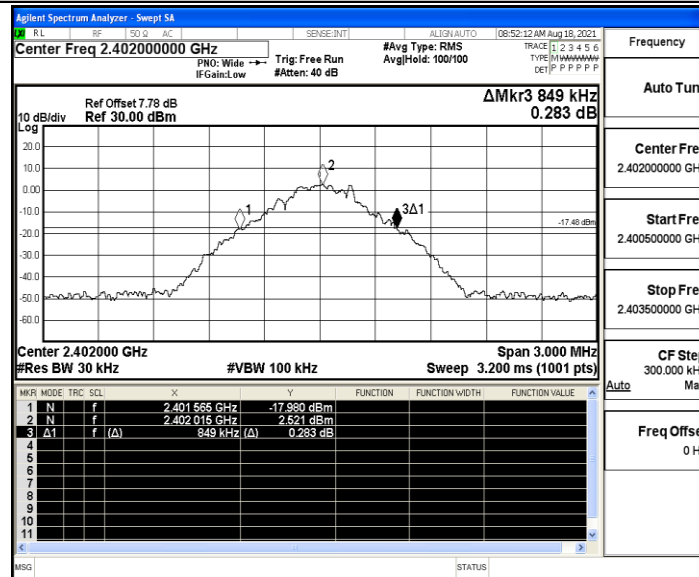
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.849	2401.565	2402.414	---	PASS
		2441	0.822	2440.592	2441.414	---	PASS
		2480	0.840	2479.562	2480.402	---	PASS
2DH5	Ant1	2402	1.323	2401.337	2402.660	---	PASS
		2441	1.356	2440.322	2441.678	---	PASS
		2480	1.326	2479.334	2480.660	---	PASS
3DH5	Ant1	2402	1.263	2401.364	2402.627	---	PASS
		2441	1.296	2440.352	2441.648	---	PASS
		2480	1.290	2479.349	2480.639	---	PASS

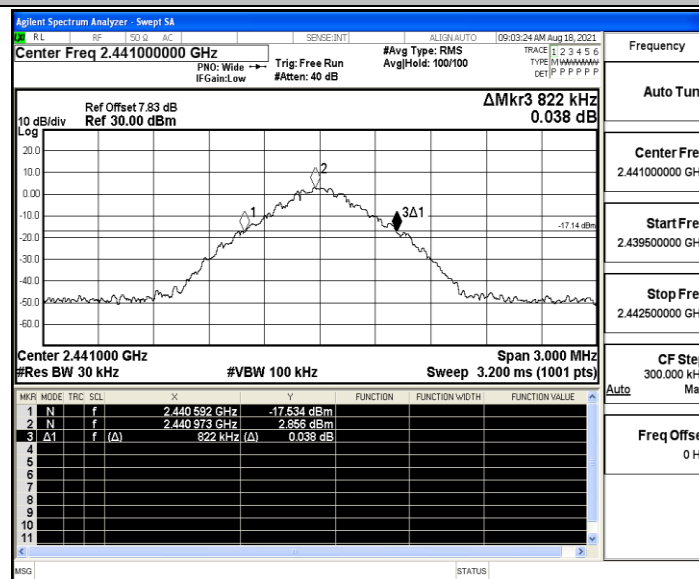


Test Graphs

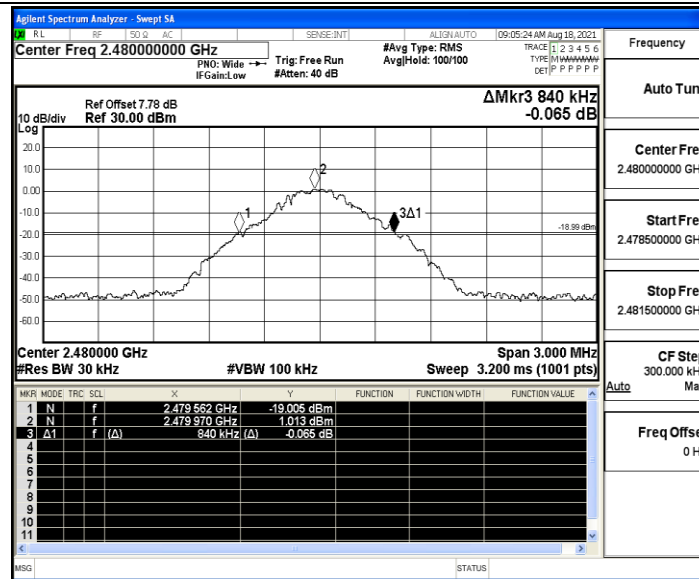
DH5_Ant1_2402



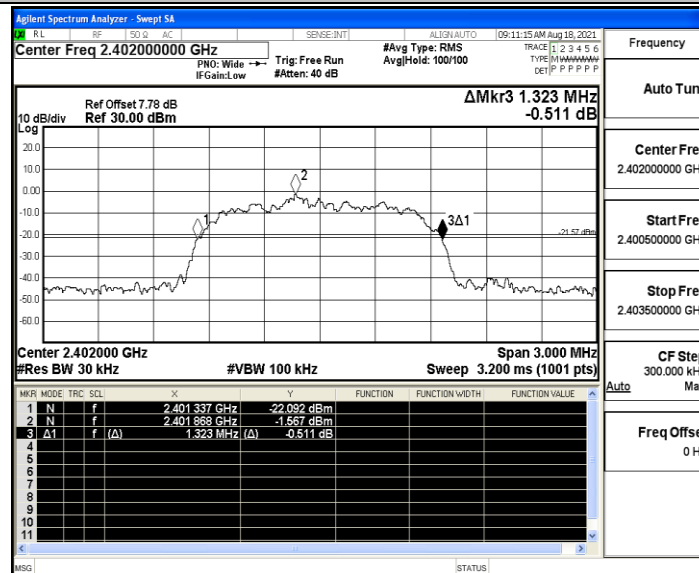
DH5_Ant1_2441



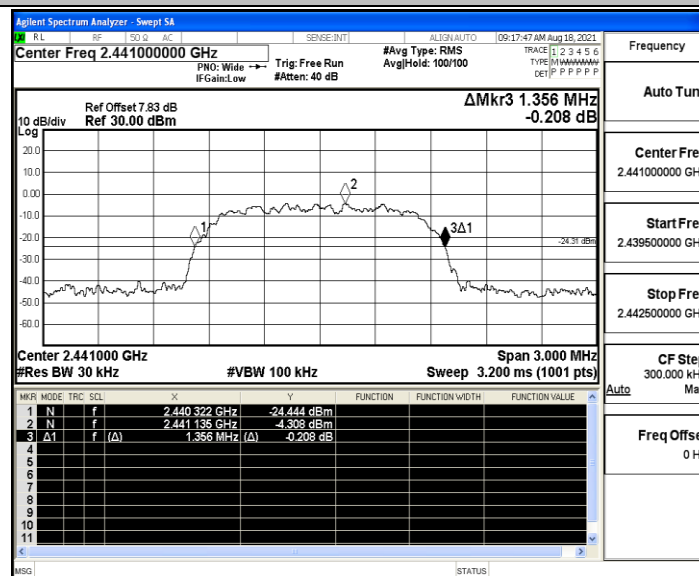
DH5_Ant1_2480



2DH5_Ant1_2402

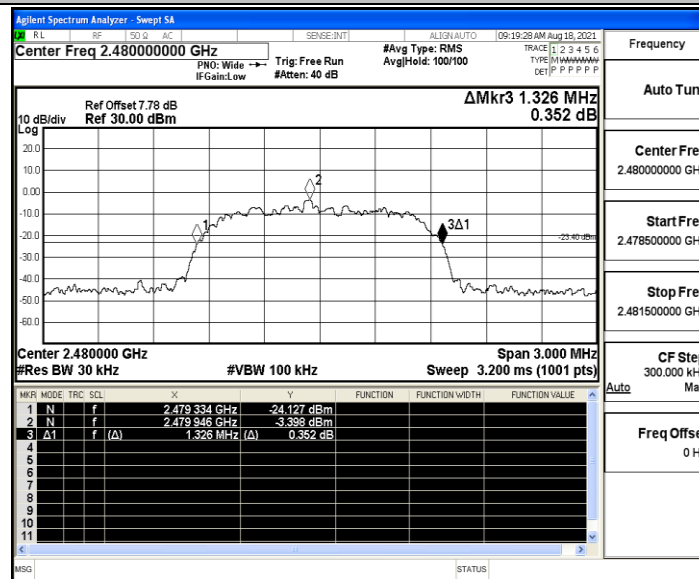


2DH5_Ant1_2441

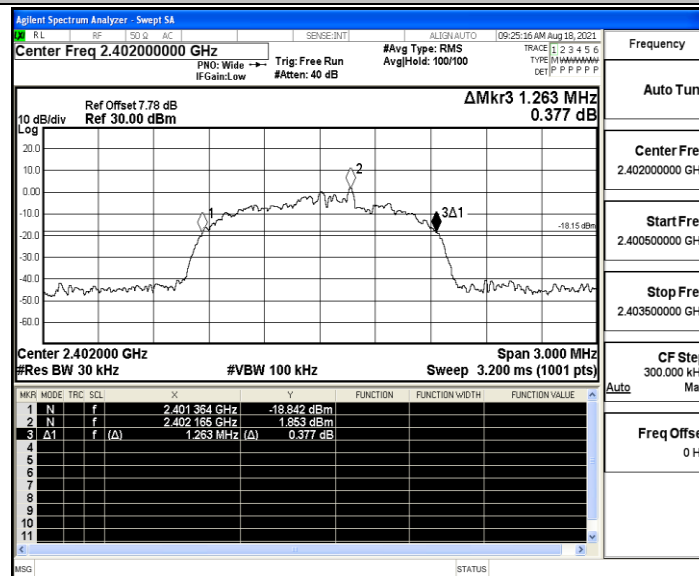




2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

Agilent Spectrum Analyzer - Sweep SA

01 F L RF SO G AC SENSE:INT ALIGN:AUTO 109:34:55 AM Aug 18, 2021
 Center Freq 2.480000000 GHz #Avg Type: RMS AvgHolds: 100/100
 PNO: Wide IFGain:Low Trig: Free Run #Atten: 40 dB TYPE: DAAAAAAH det: P P P P P P

Ref Offset 7.78 dB Δ Mkr3 1.290 MHz
 Ref 30.00 dBm 0.341 dB

10 dB/div Log
 -20.00 dBm
 -30.00 dBm
 -40.00 dBm
 -50.00 dBm
 -60.00 dBm

2.479349 GHz 2.480159 GHz
 Span 3.000 MHz
 #Res BW 30 kHz #VBW 100 kHz Sweep 3.200 ms (1001 pts)

MKR	MODE	TRC	SCN	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f		2.479 349 GHz	-21.077 dBm			
2	N	f		2.480 159 GHz	-0.673 dBm			
3	Δ 1	f	(Δ)	1.290 MHz (Δ)	0.341 dB			
4								
5								
6								
7								
8								
9								
10								
11								

Auto Auto
 Freq Offset 0 Hz

(STATUS)



A.2 Maximum conducted output power

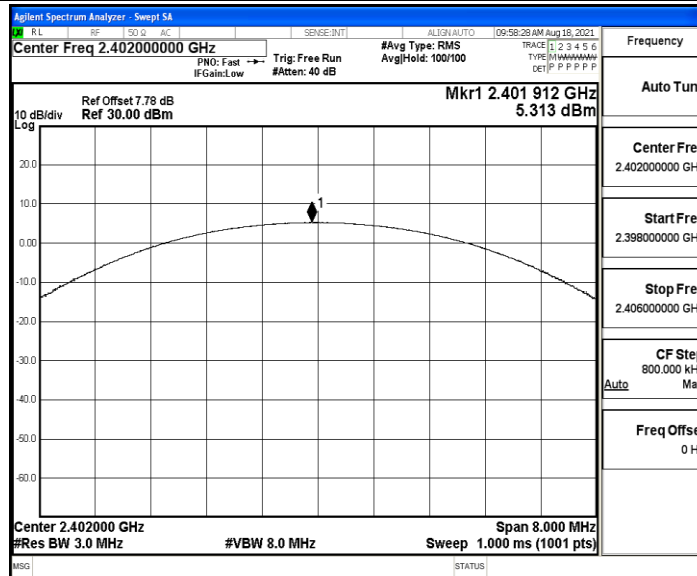
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	5.31	≤ 21	PASS
		2441	5.57	≤ 21	PASS
		2480	3.93	≤ 21	PASS
2DH5	Ant1	2402	4.58	≤ 21	PASS
		2441	4.93	≤ 21	PASS
		2480	3.28	≤ 21	PASS
3DH5	Ant1	2402	4.59	≤ 21	PASS
		2441	4.87	≤ 21	PASS
		2480	3.29	≤ 21	PASS

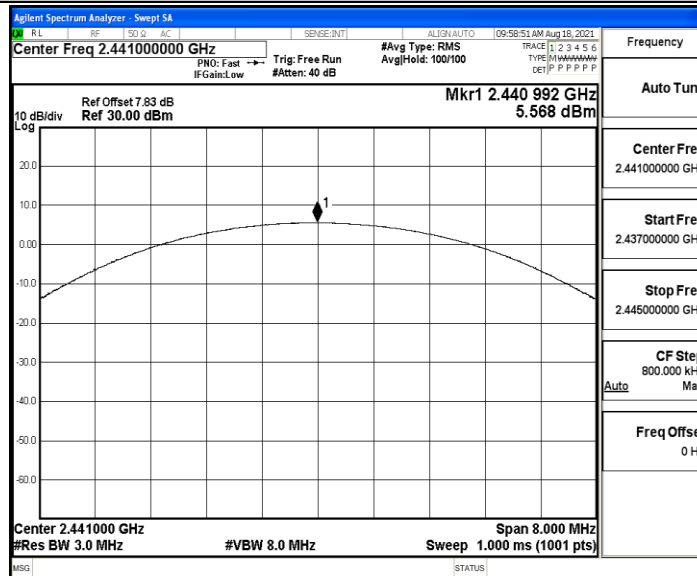


Test Graphs

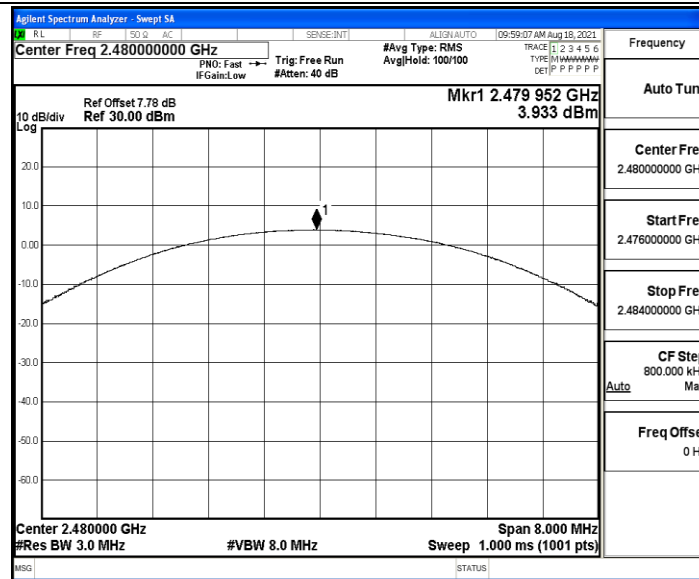
DH5_Ant1_2402



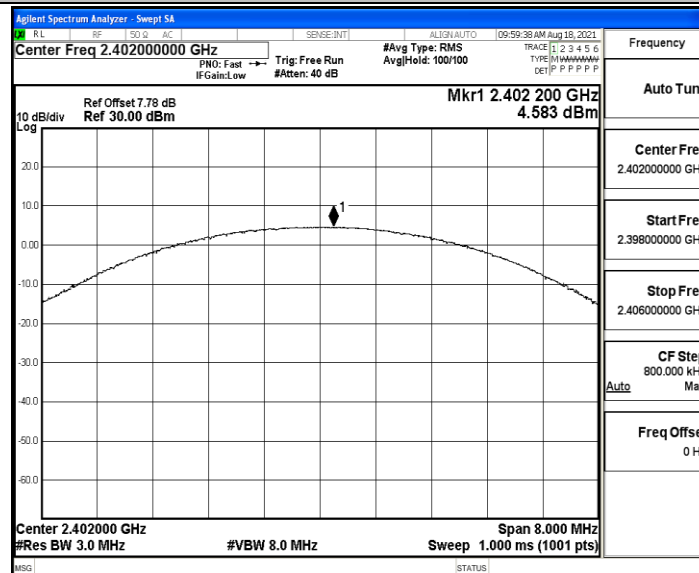
DH5_Ant1_2441



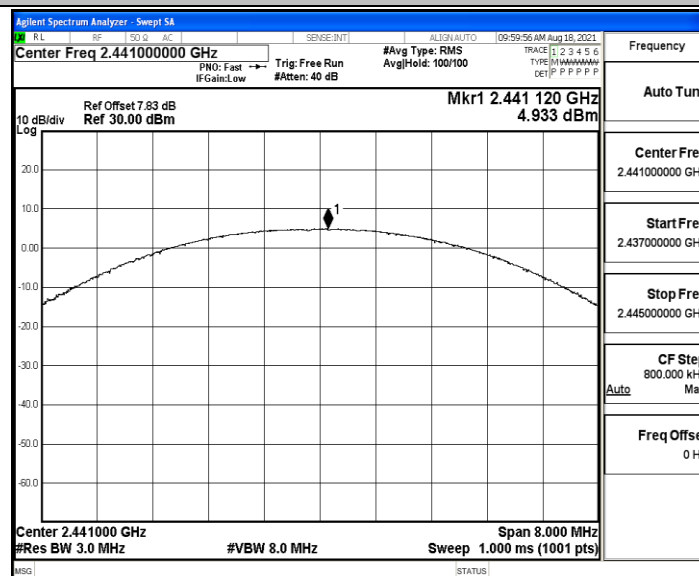
DH5_Ant1_2480



2DH5_Ant1_2402

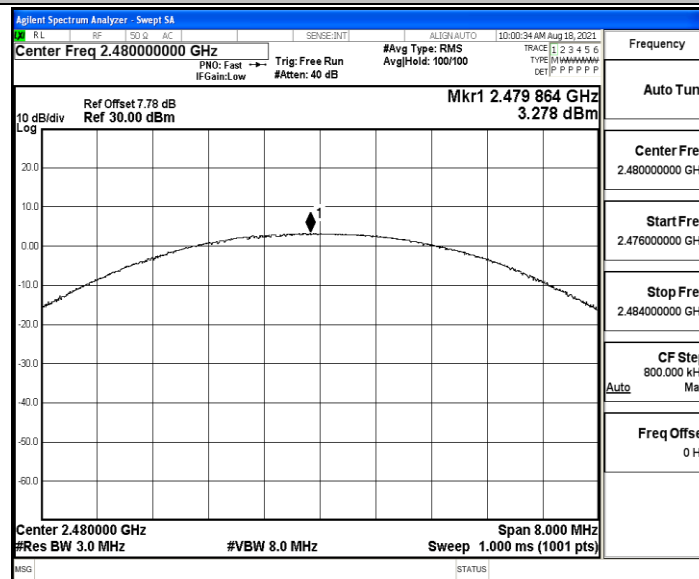


2DH5_Ant1_2441

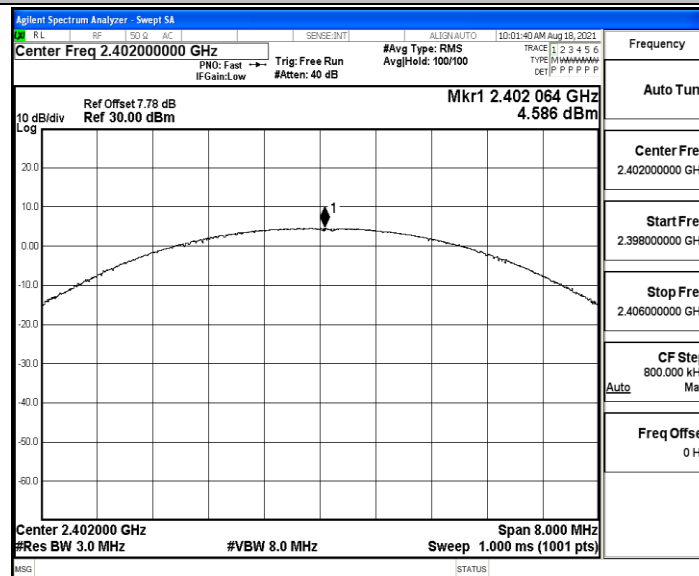




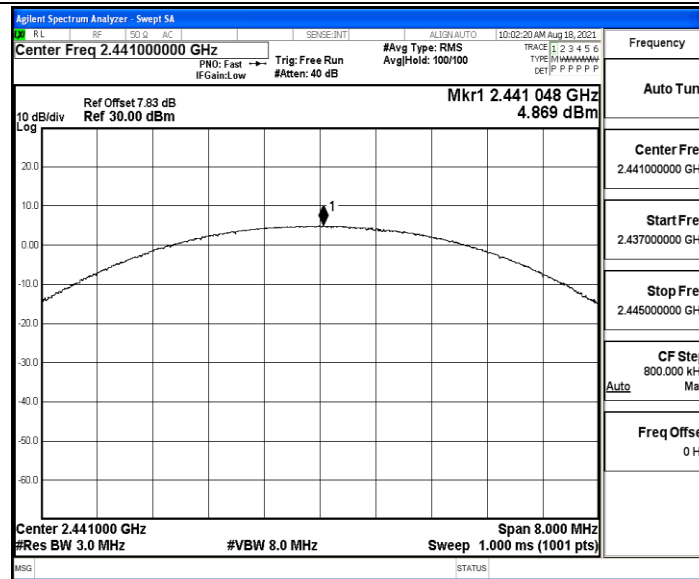
2DH5_Ant1_2480



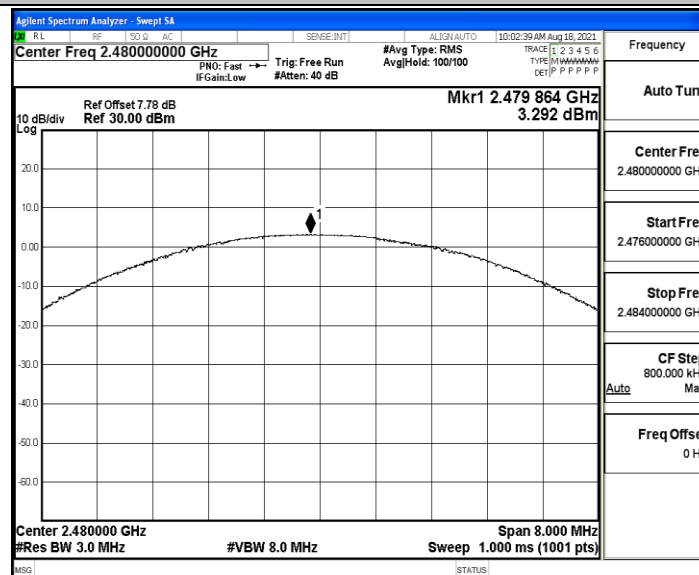
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





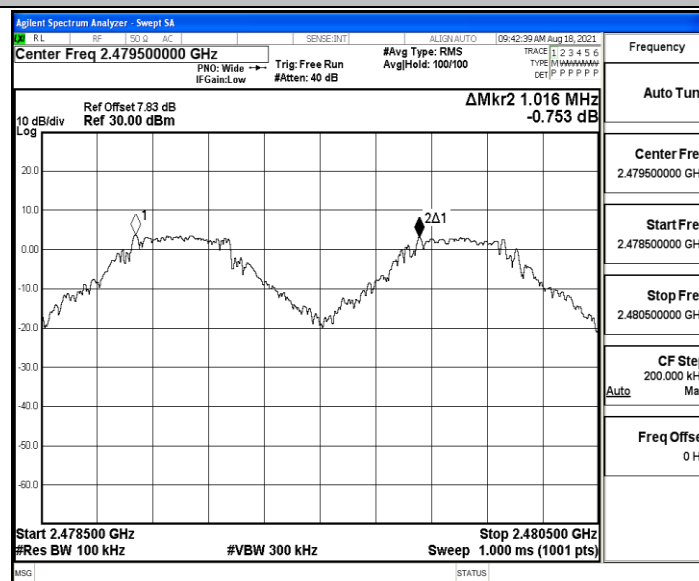
A.3 Carrier frequency separation

Test Result

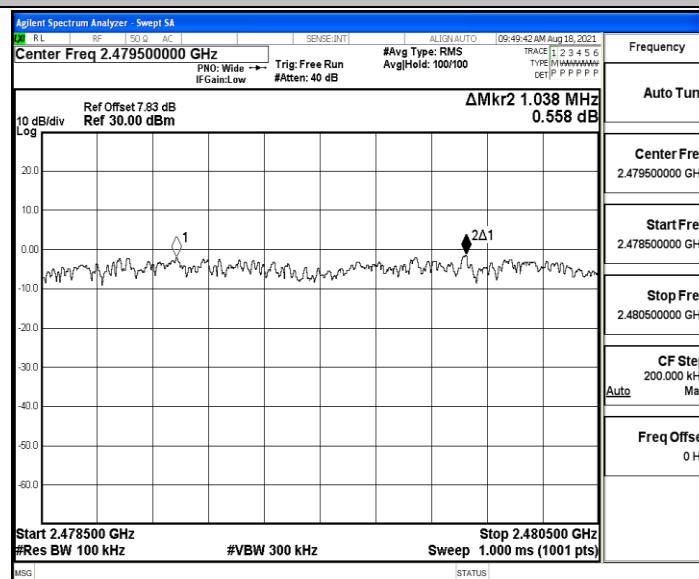
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	1.016	≥ 0.849	PASS
2DH5	Ant1	Hop	1.038	≥ 0.904	PASS
3DH5	Ant1	Hop	1.068	≥ 0.864	PASS

Test Graphs

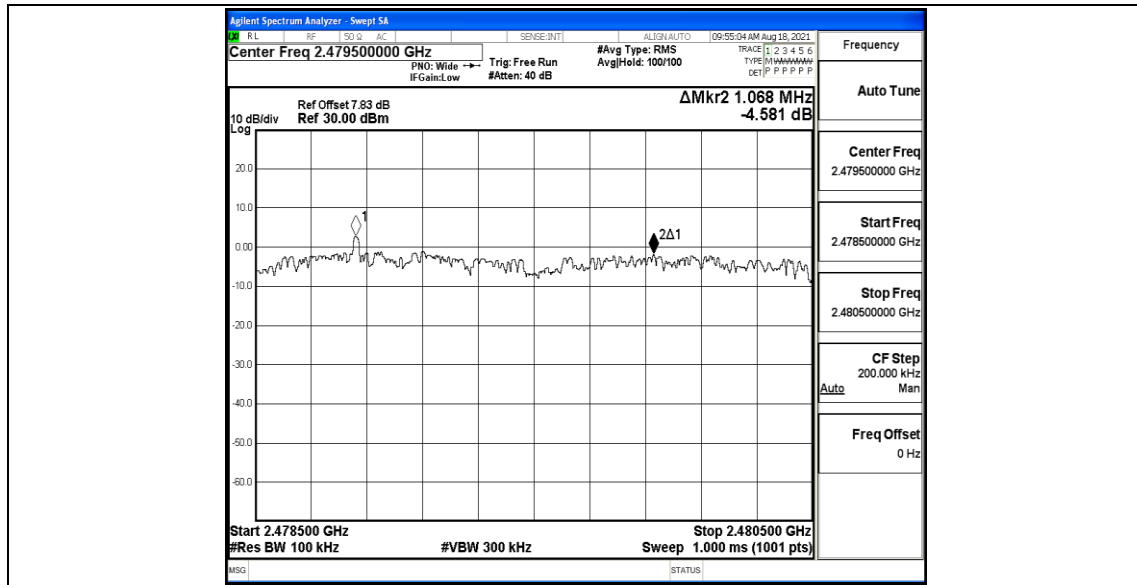
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



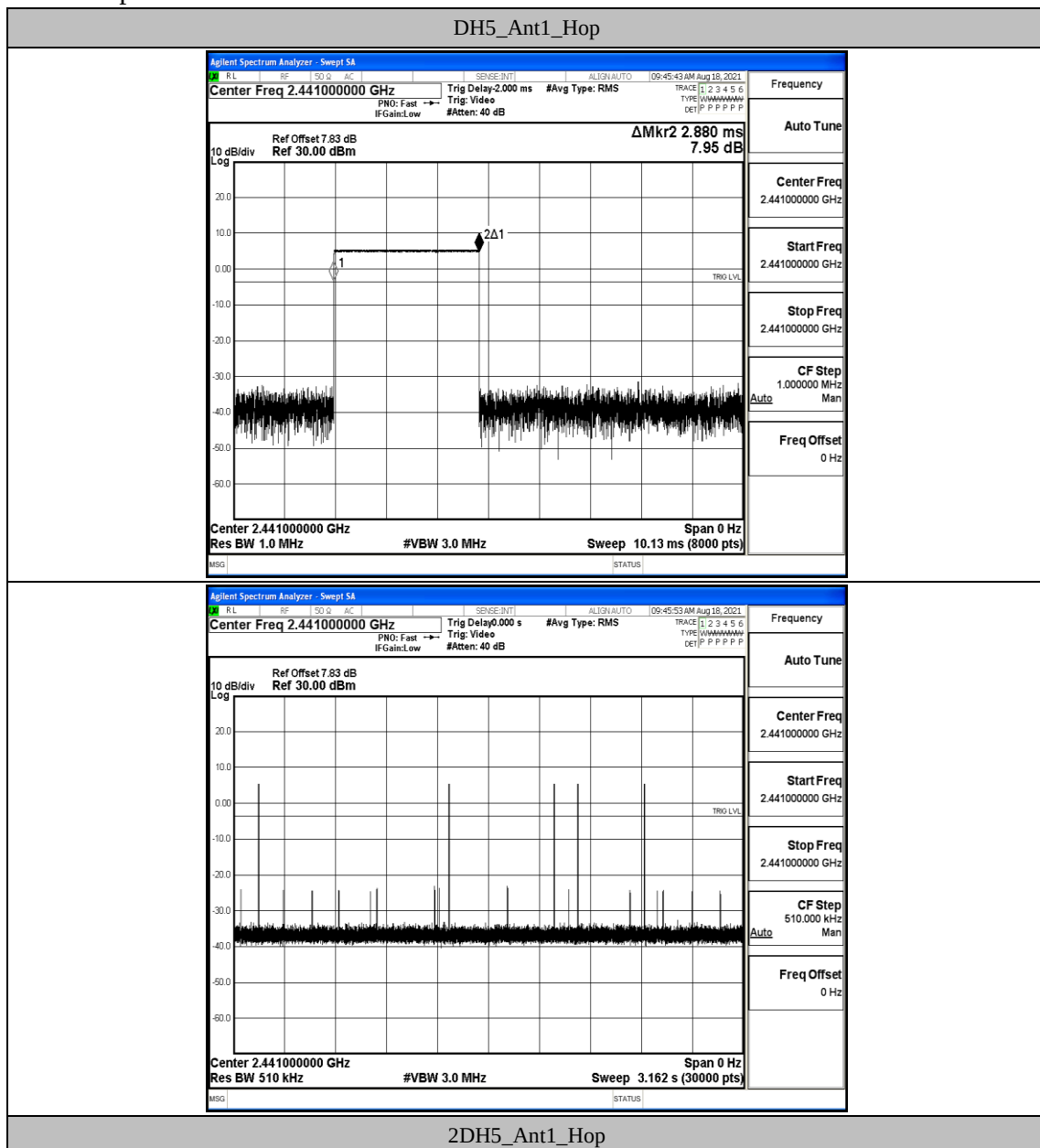


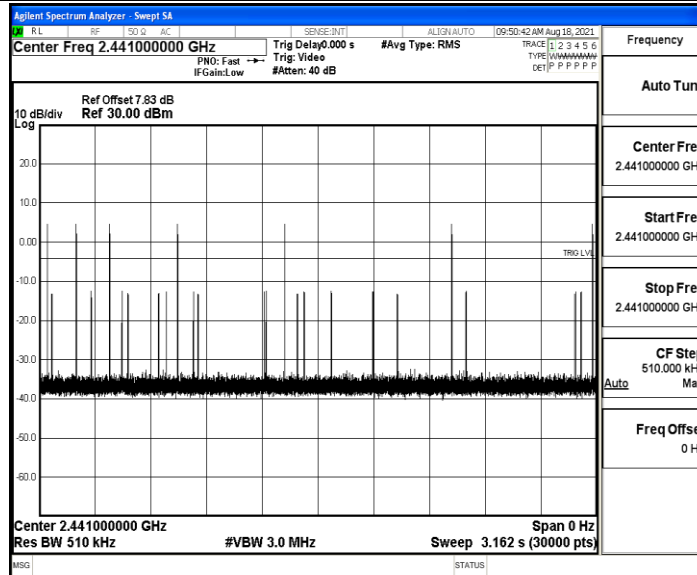
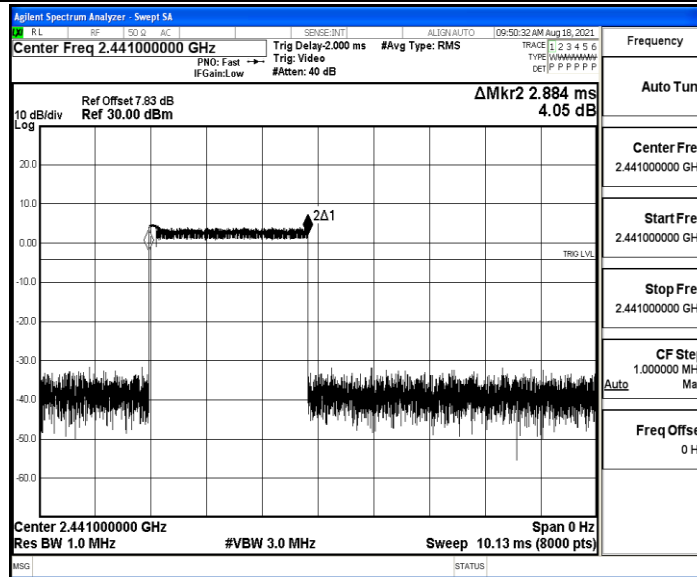
A.4 Time of occupancy

Test Result

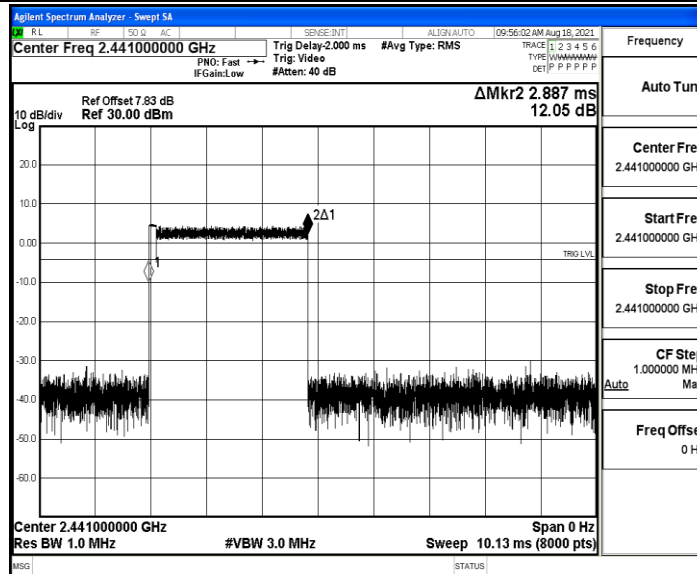
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	60	0.173	≤0.4	PASS
2DH5	Ant1	Hop	2.88	80	0.231	≤0.4	PASS
3DH5	Ant1	Hop	2.89	90	0.26	≤0.4	PASS

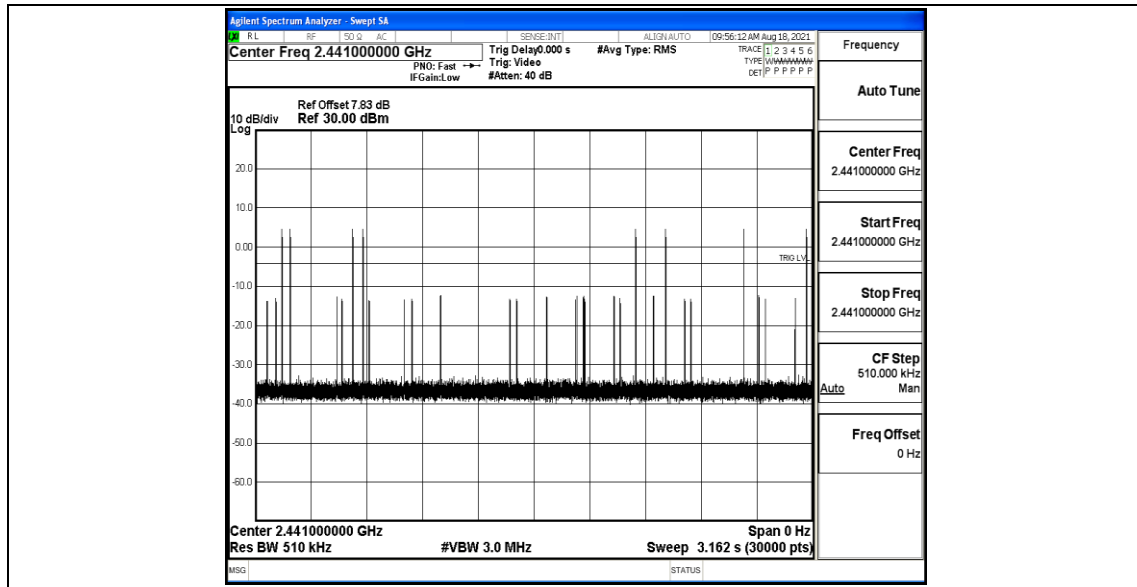
Test Graphs





3DH5_Ant1_Hop





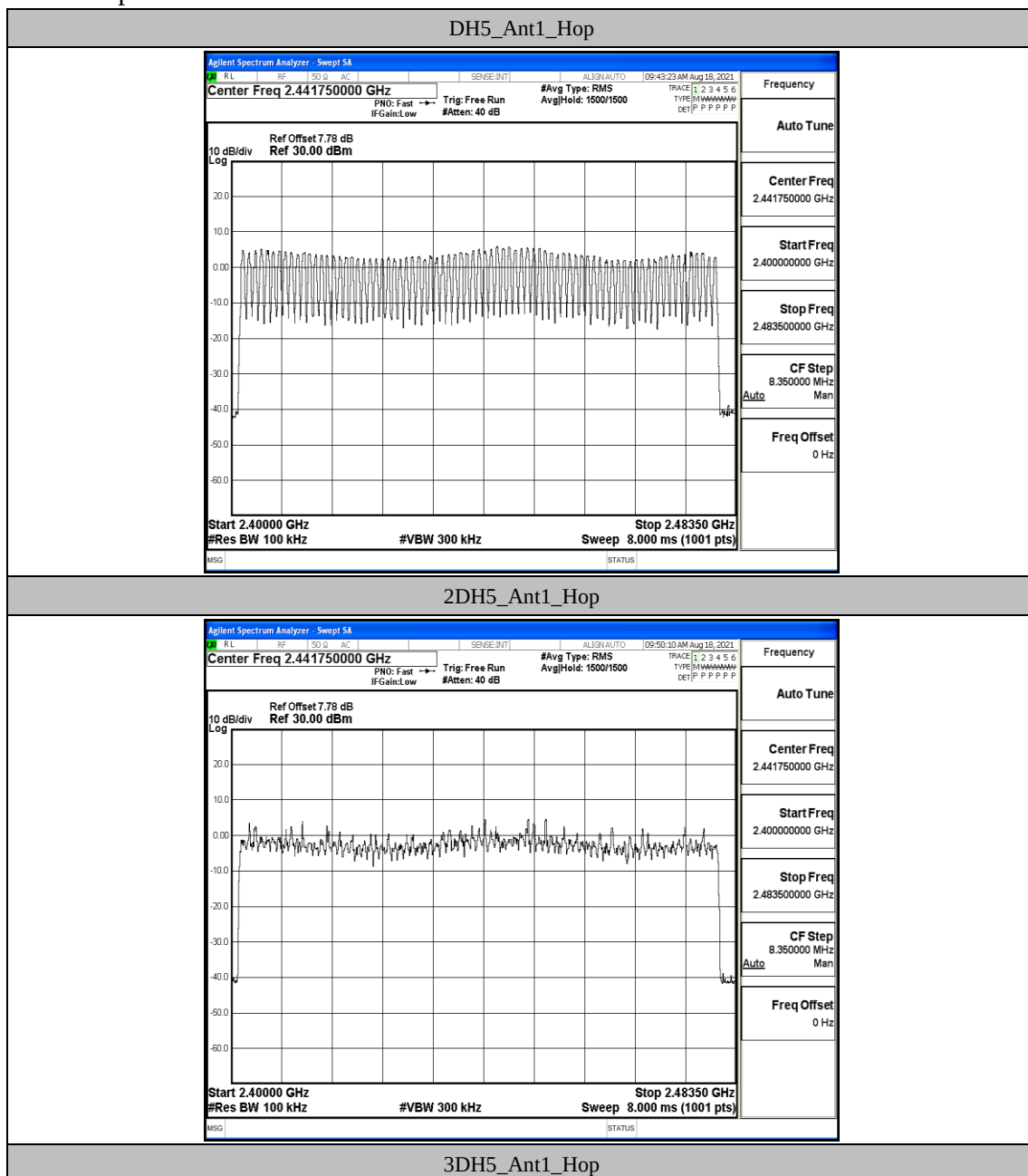


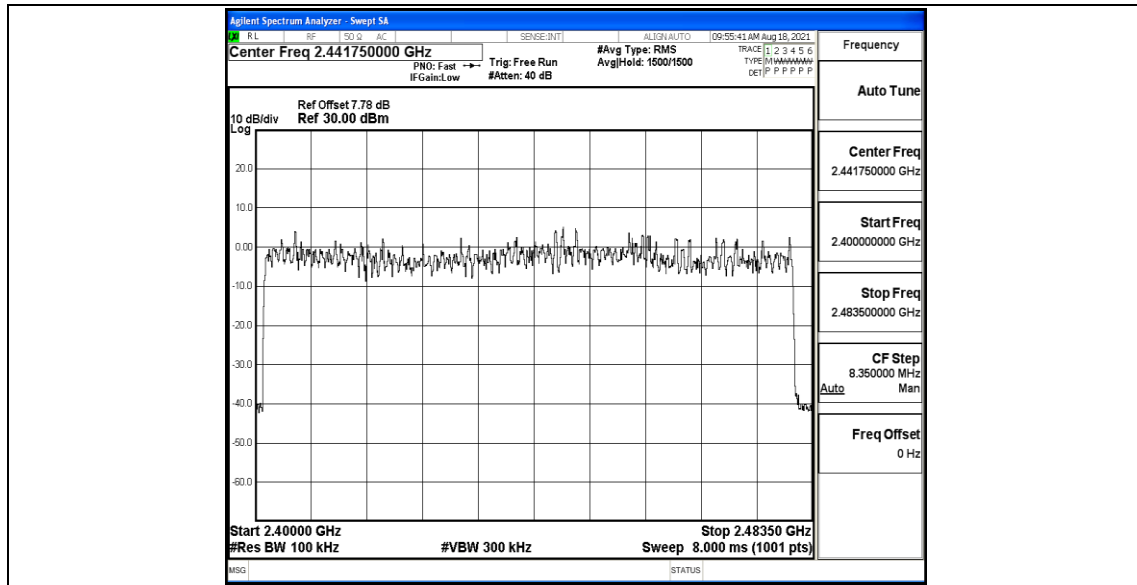
A.5 Number of hopping channels

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





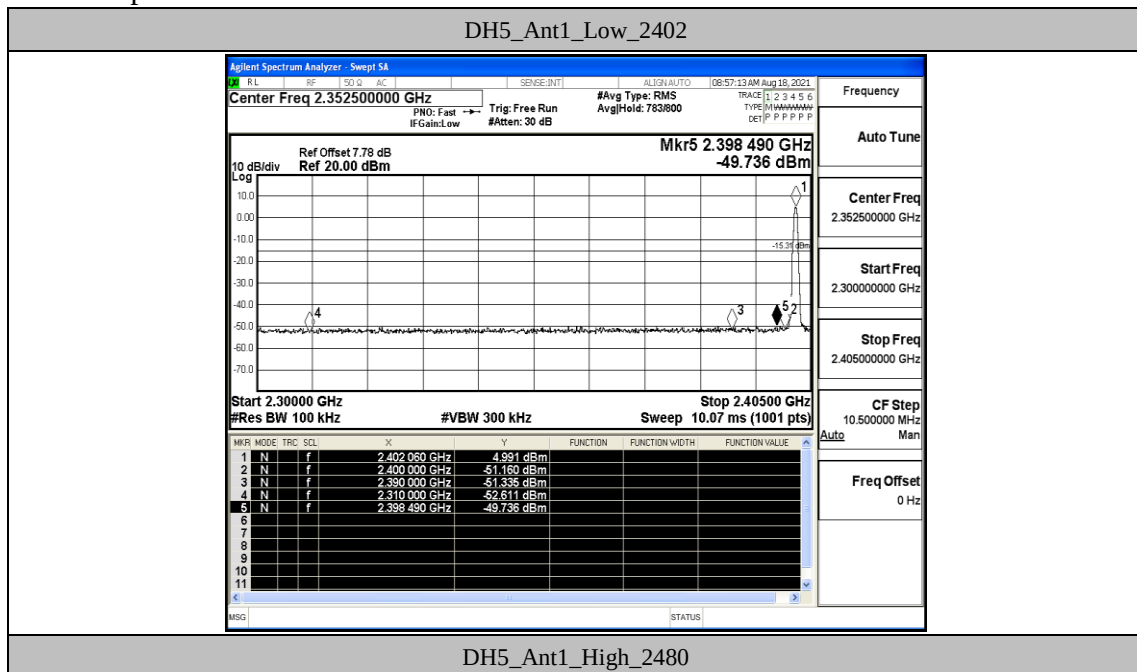


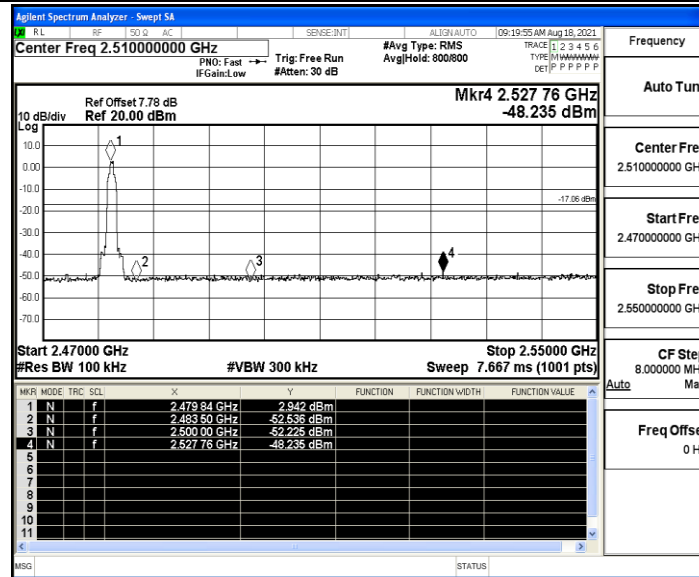
A.6 Band edge measurements

Test Result

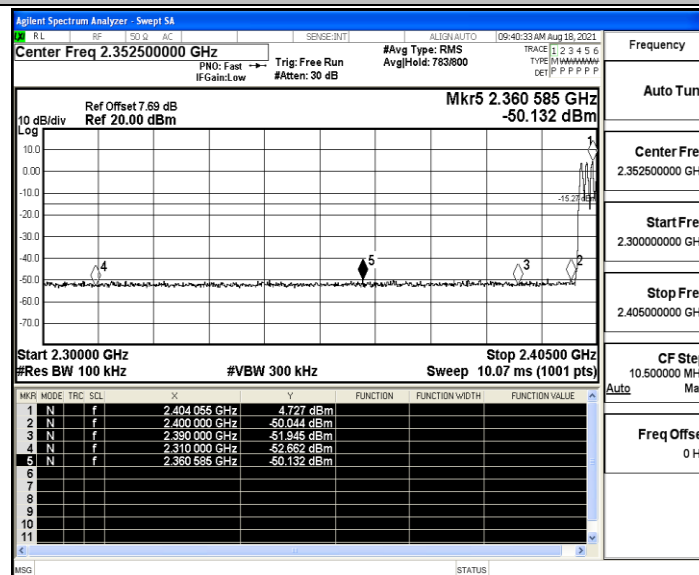
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.69	-49.74	≤-15.31	PASS
		High	2480	3.26	-48.54	≤-16.74	PASS
		Low	Hop_2402	4.73	-50.13	≤-15.27	PASS
		High	Hop_2480	4.38	-48.83	≤-15.62	PASS
2DH5	Ant1	Low	2402	3.12	-49.17	≤-16.88	PASS
		High	2480	2.94	-48.24	≤-17.06	PASS
		Low	Hop_2402	4.13	-50.06	≤-15.87	PASS
		High	Hop_2480	2.07	-48.79	≤-17.93	PASS
3DH5	Ant1	Low	2402	4.34	-49.33	≤-15.66	PASS
		High	2480	2.83	-48.62	≤-17.17	PASS
		Low	Hop_2402	3.32	-49.83	≤-16.68	PASS
		High	Hop_2480	2.60	-48.4	≤-17.4	PASS

Test Graphs

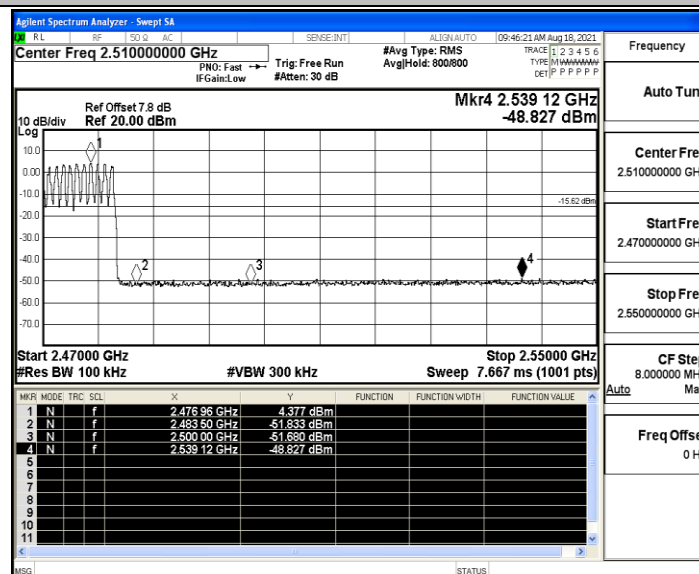




DH5_Ant1_Low_Hop_2402

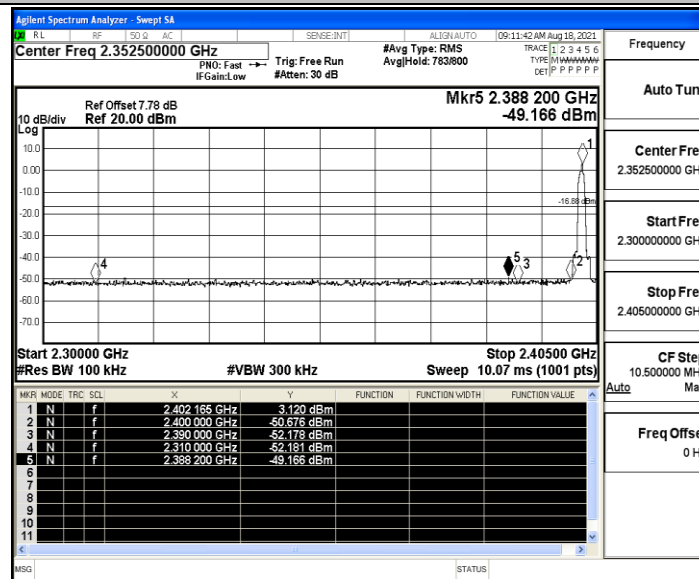


DH5_Ant1_High_Hop_2480

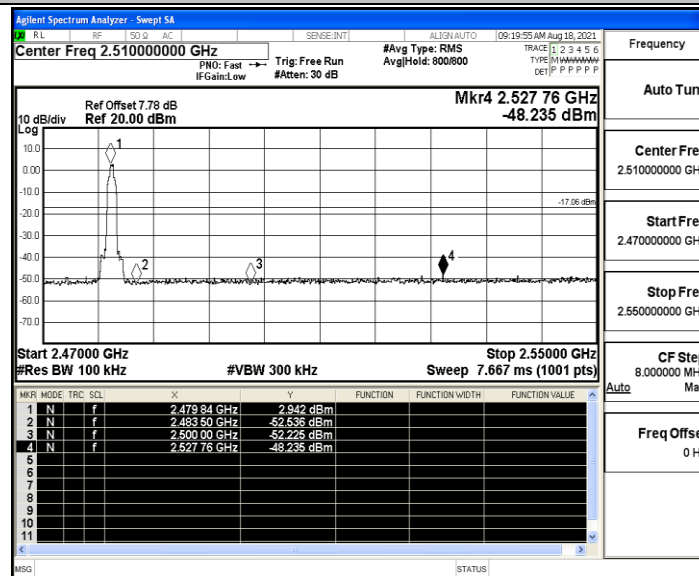




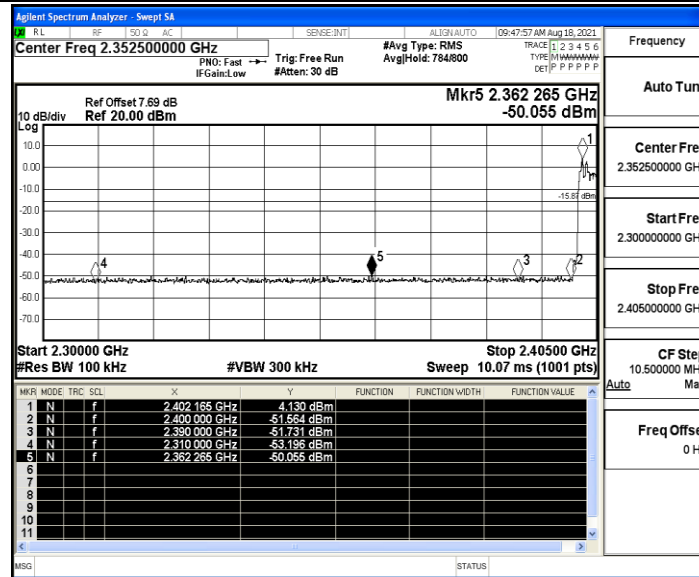
2DH5_Ant1_Low_2402



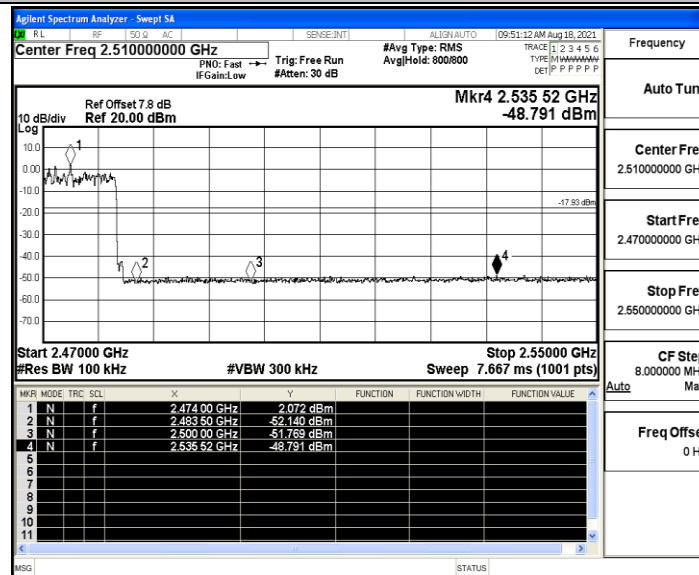
2DH5_Ant1_High_2480



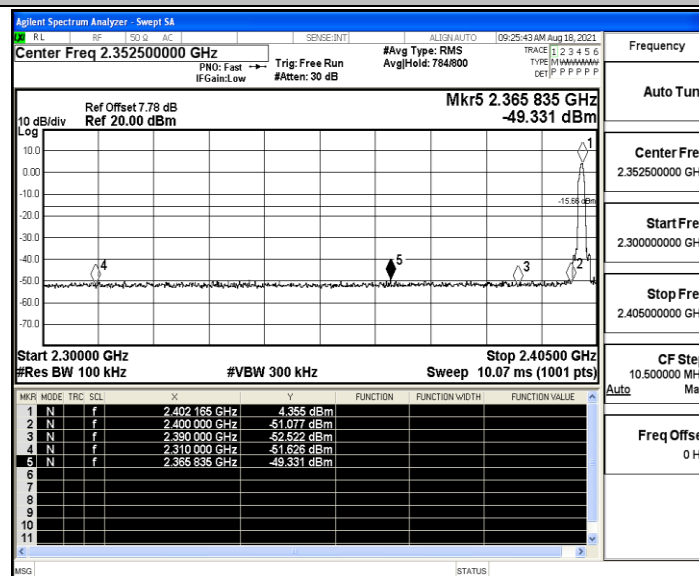
2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

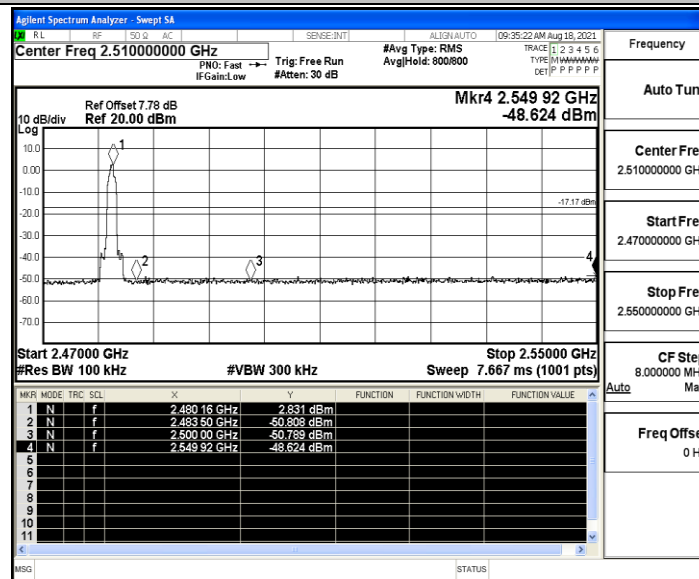


3DH5_Ant1_Low_2402

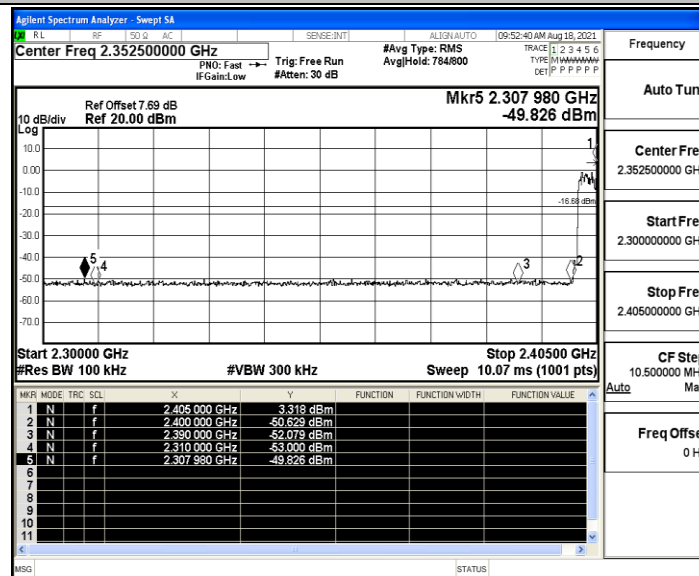




3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



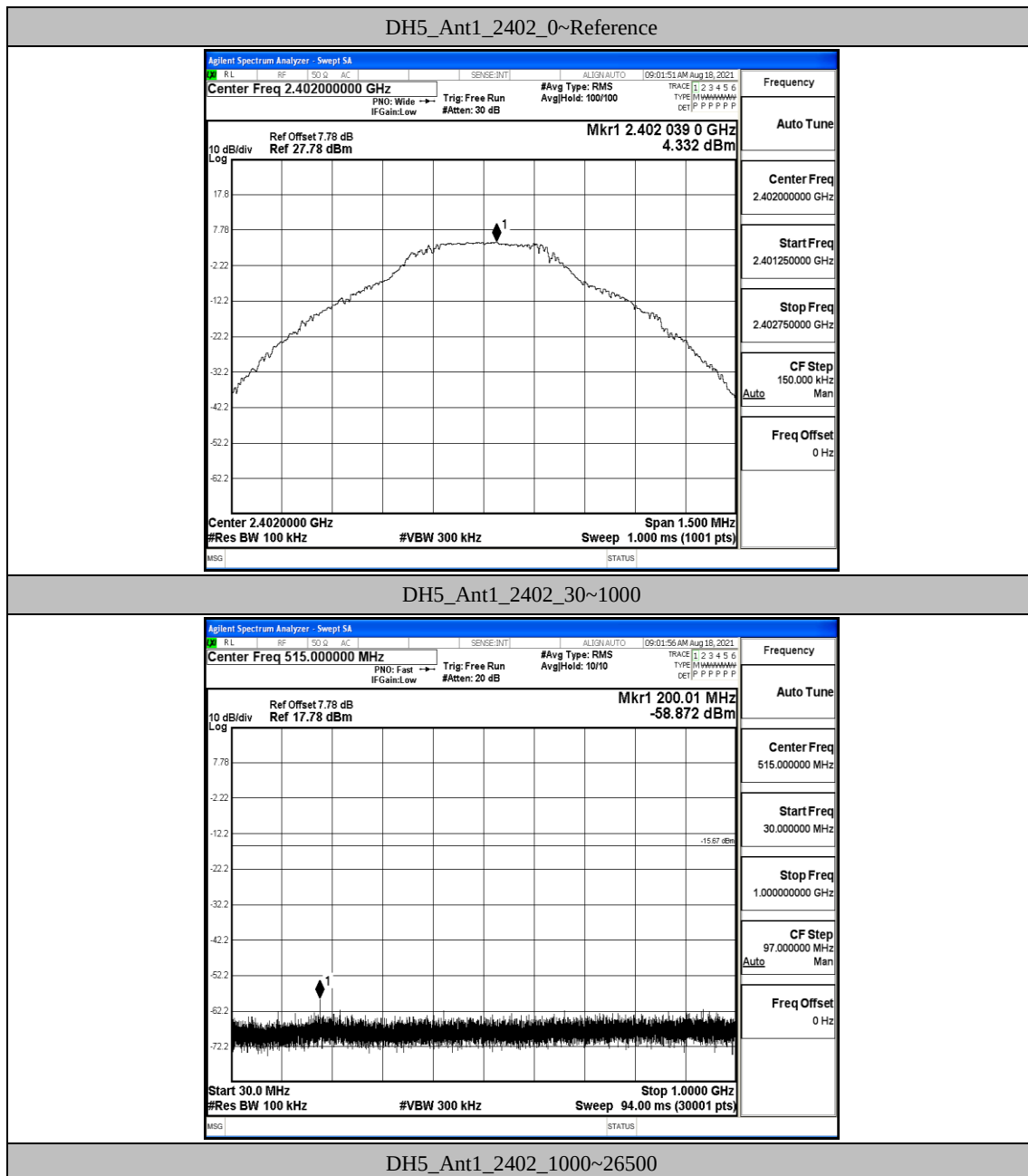
A.7 Conducted Spurious Emission

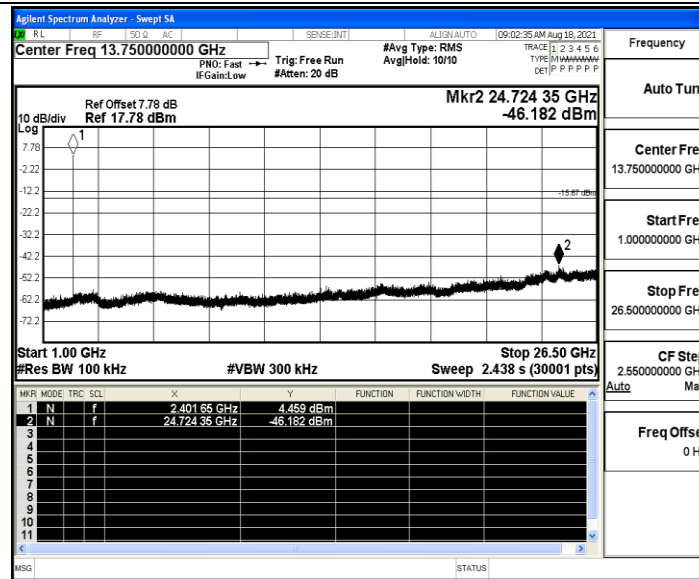
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.33	4.33	---	PASS
			30~1000	4.33	-58.87	≤ -15.67	PASS
			1000~26500	4.33	-46.18	≤ -15.67	PASS
		2441	Reference	4.99	4.99	---	PASS
			30~1000	4.99	-58.66	≤ -15.01	PASS
			1000~26500	4.99	-47.36	≤ -15.01	PASS
		2480	Reference	3.07	3.07	---	PASS
			30~1000	3.07	-58.77	≤ -16.93	PASS
			1000~26500	3.07	-47.78	≤ -16.93	PASS
2DH5	Ant1	2402	Reference	4.01	4.01	---	PASS
			30~1000	4.01	-58.43	≤ -15.99	PASS
			1000~26500	4.01	-46.71	≤ -15.99	PASS
		2441	Reference	4.03	4.03	---	PASS
			30~1000	4.03	-59.3	≤ -15.97	PASS
			1000~26500	4.03	-45.54	≤ -15.97	PASS
		2480	Reference	2.60	2.60	---	PASS
			30~1000	2.60	-59.3	≤ -17.4	PASS
			1000~26500	2.60	-46.94	≤ -17.4	PASS
3DH5	Ant1	2402	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-59.49	≤ -19.89	PASS
			1000~26500	0.11	-47.18	≤ -19.89	PASS
		2441	Reference	3.85	3.85	---	PASS
			30~1000	3.85	-58.8	≤ -16.15	PASS
			1000~26500	3.85	-47.24	≤ -16.15	PASS
		2480	Reference	1.32	1.32	---	PASS
			30~1000	1.32	-59.59	≤ -18.68	PASS
			1000~26500	1.32	-47.01	≤ -18.68	PASS

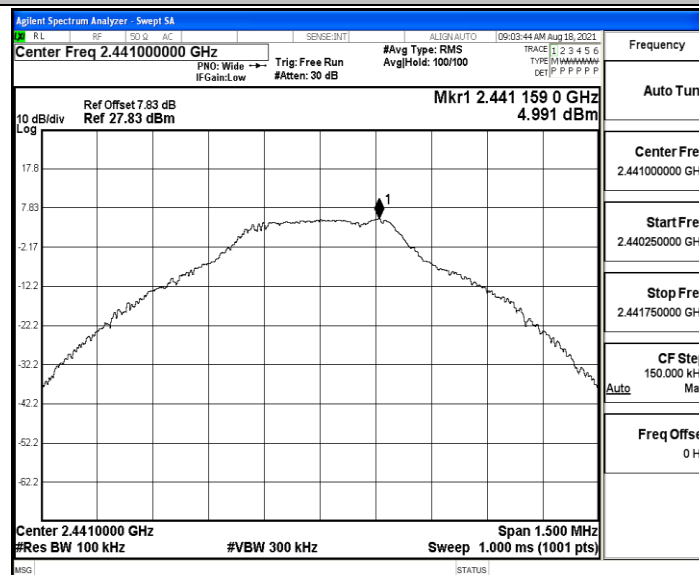


Test Graphs

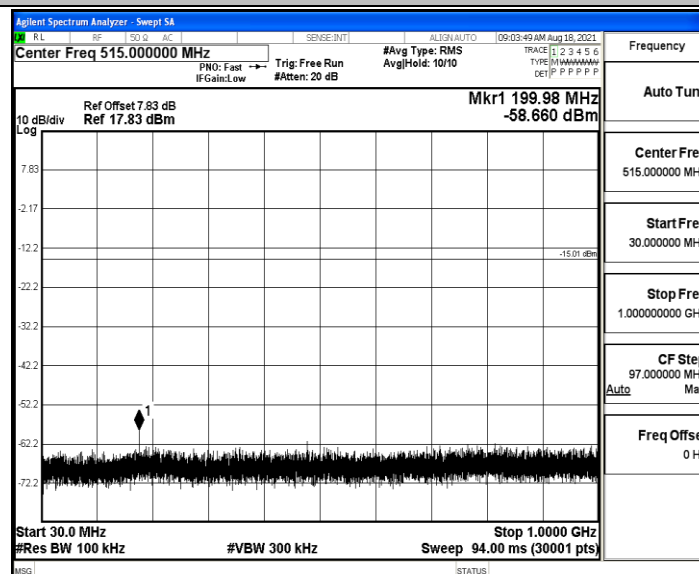




DH5_Ant1_2441_0~Reference

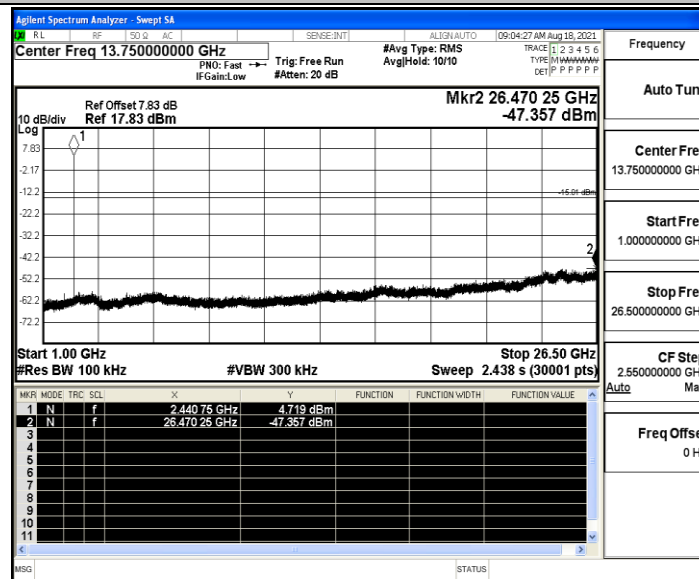


DH5_Ant1_2441_30~1000

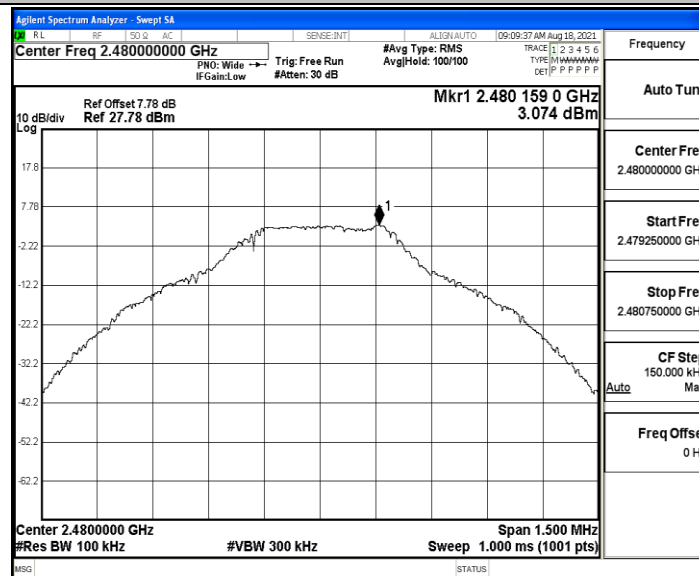




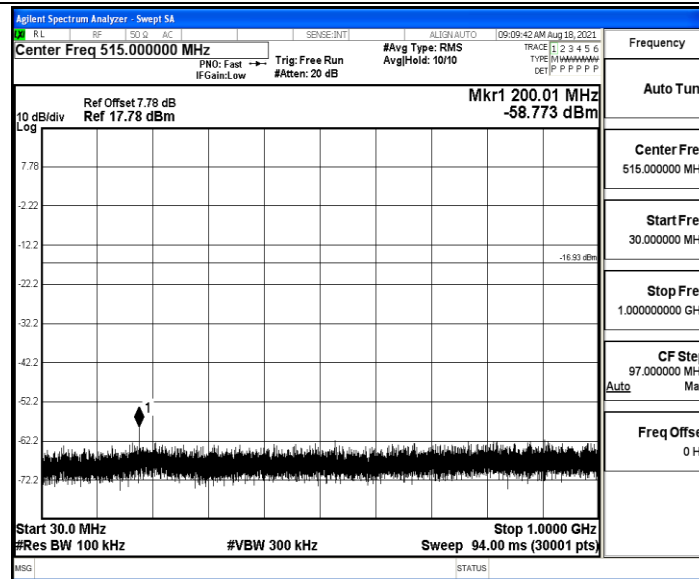
DH5_Ant1_2441_1000~26500



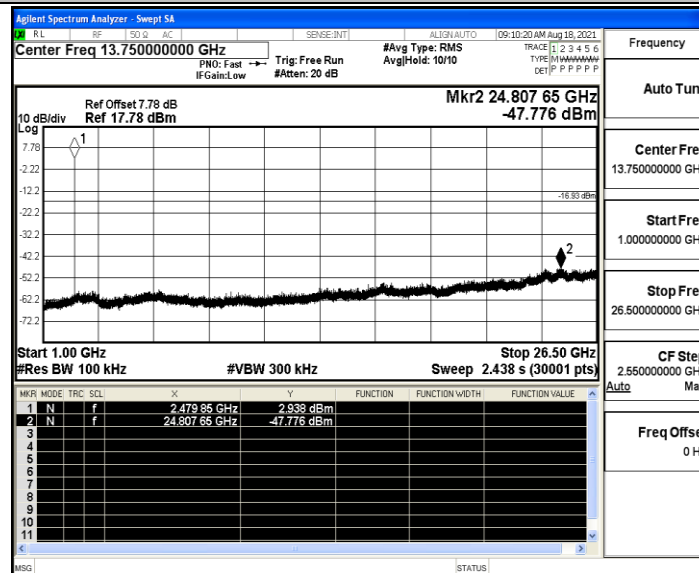
DH5_Ant1_2480_0~Reference



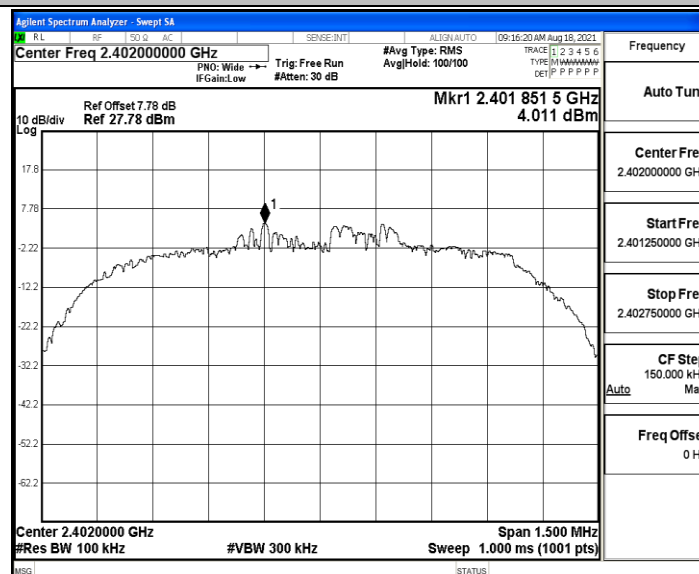
DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500

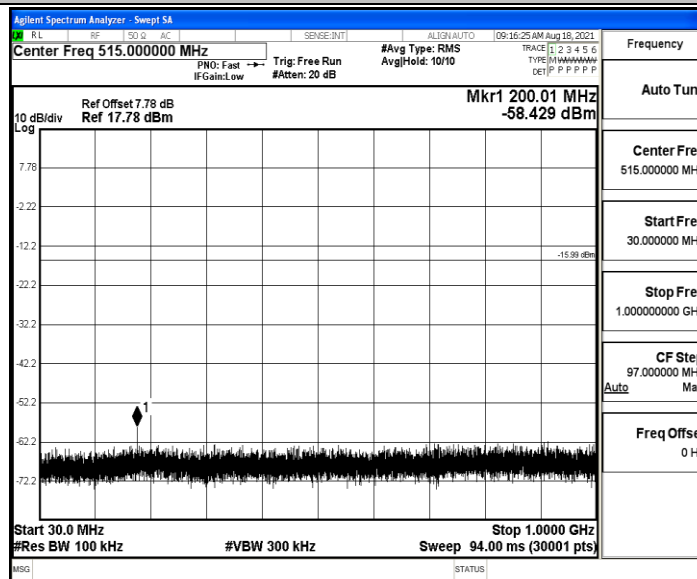


2DH5_Ant1_2402_0~Reference

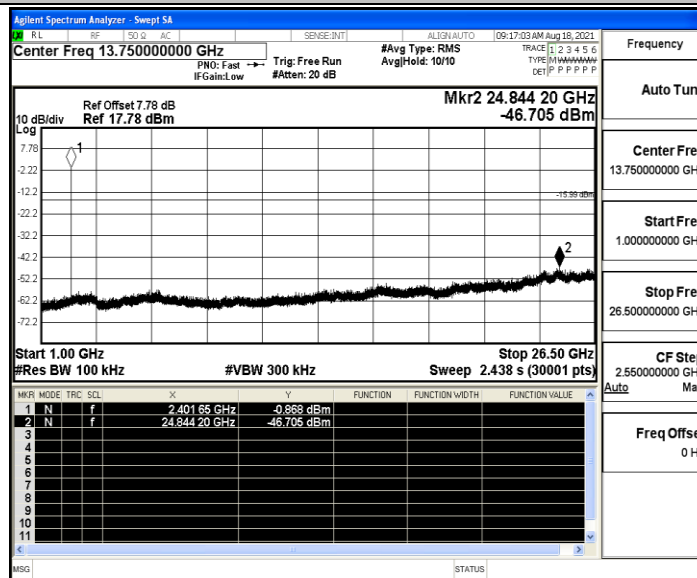




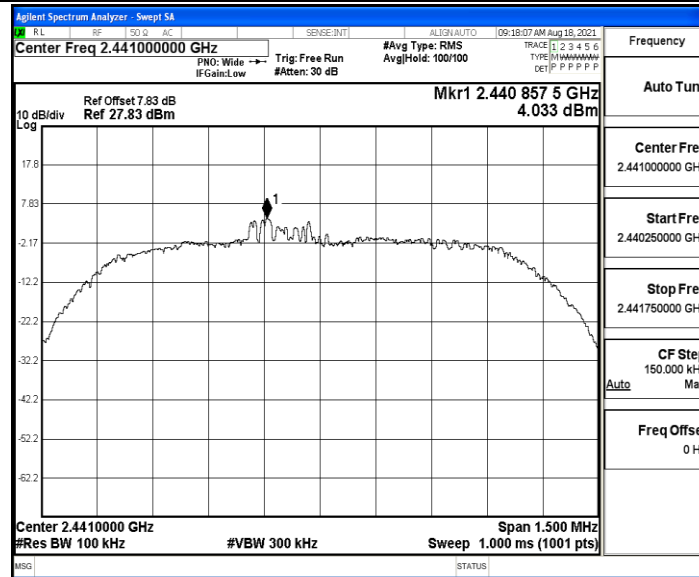
2DH5_Ant1_2402_30~1000



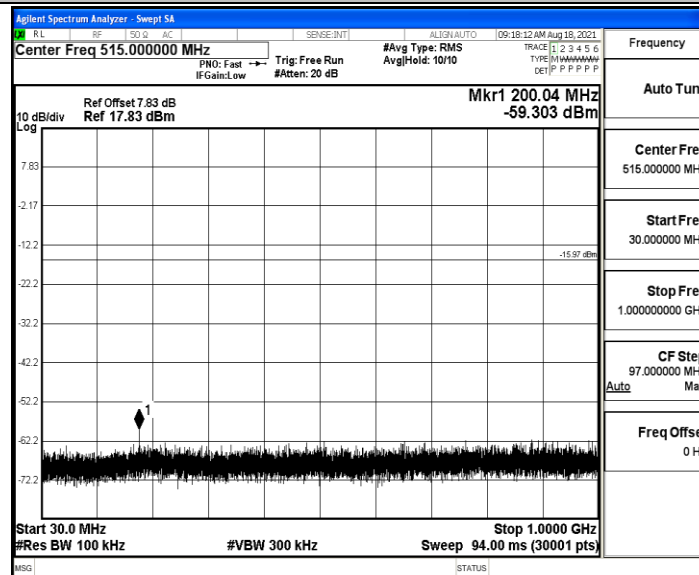
2DH5_Ant1_2402_1000~26500



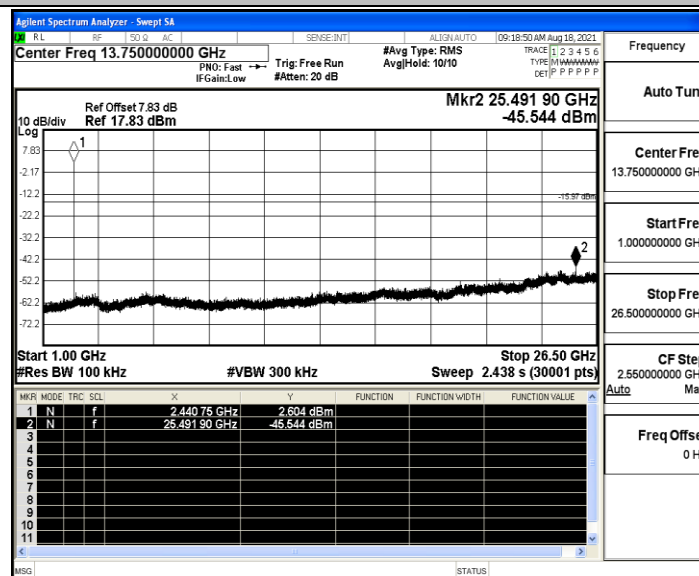
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000

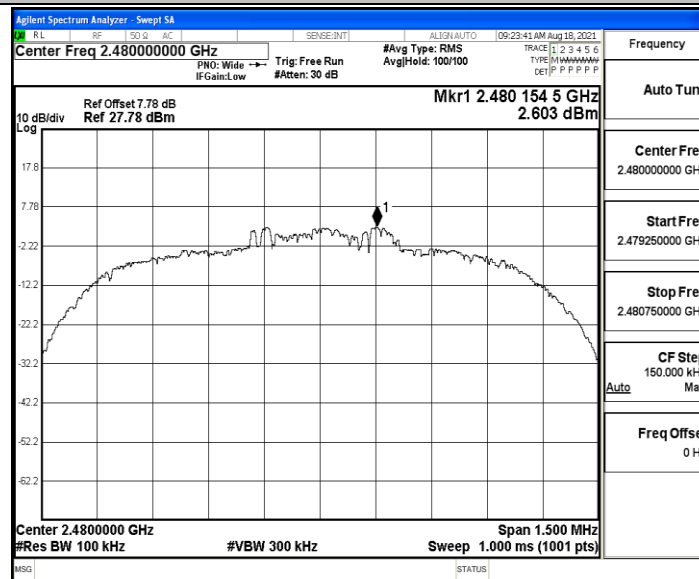


2DH5_Ant1_2441_1000~26500

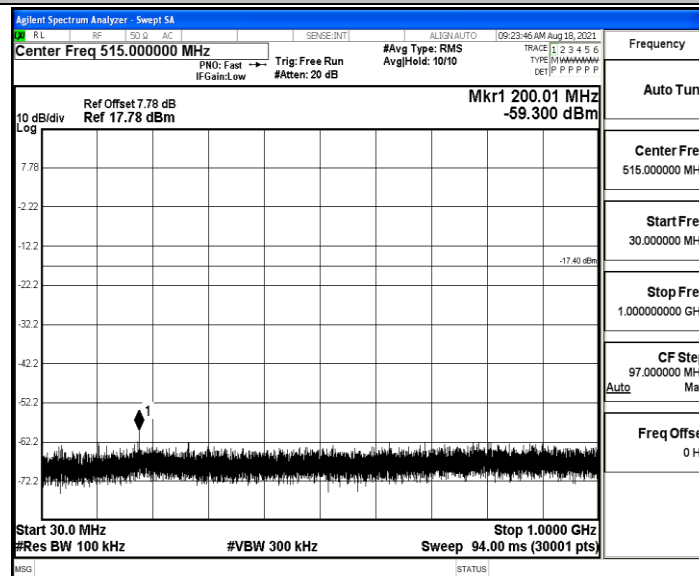




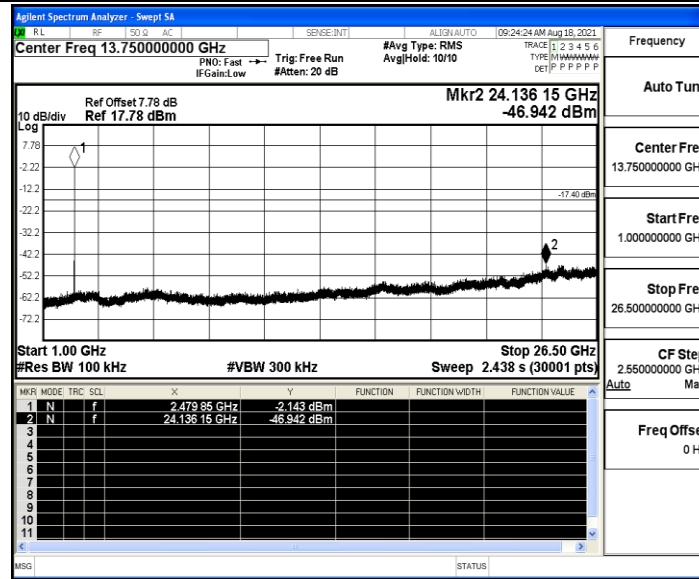
2DH5_Ant1_2480_0~Reference



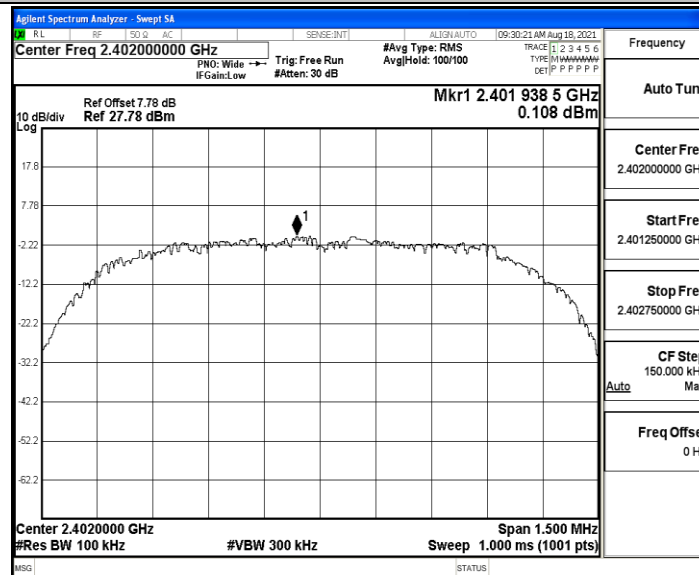
2DH5_Ant1_2480_30~1000



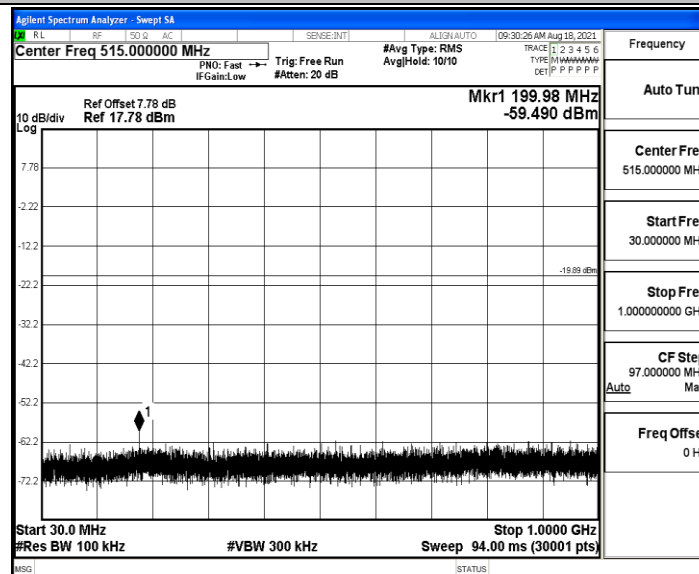
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

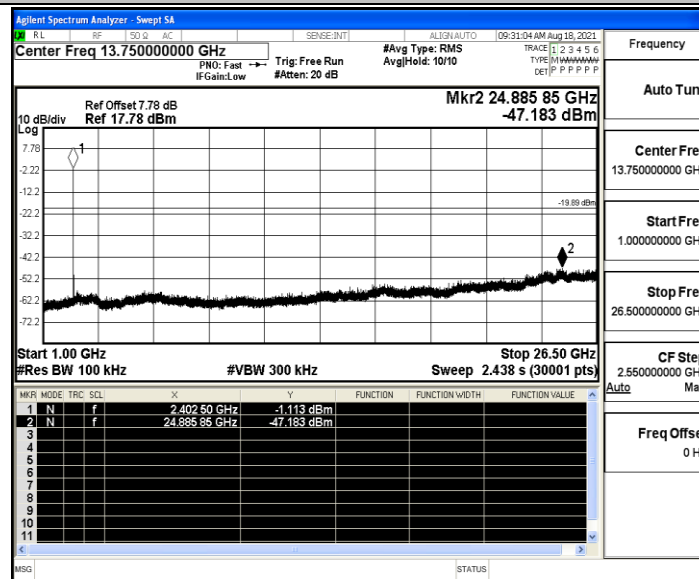


3DH5_Ant1_2402_30~1000

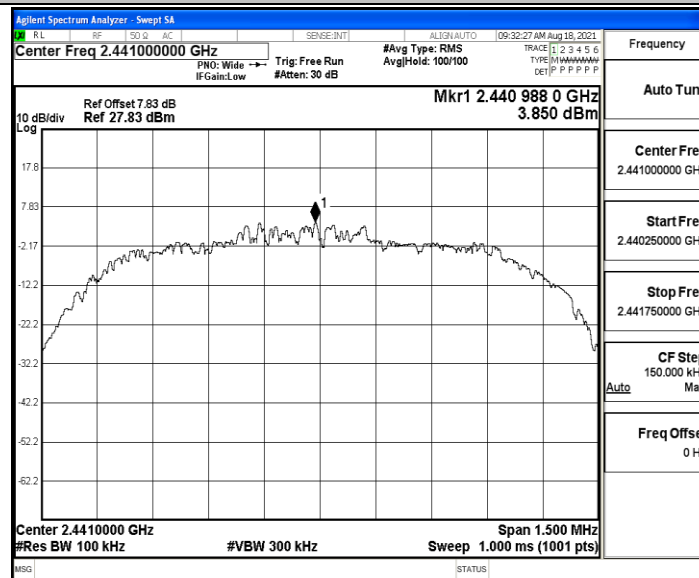




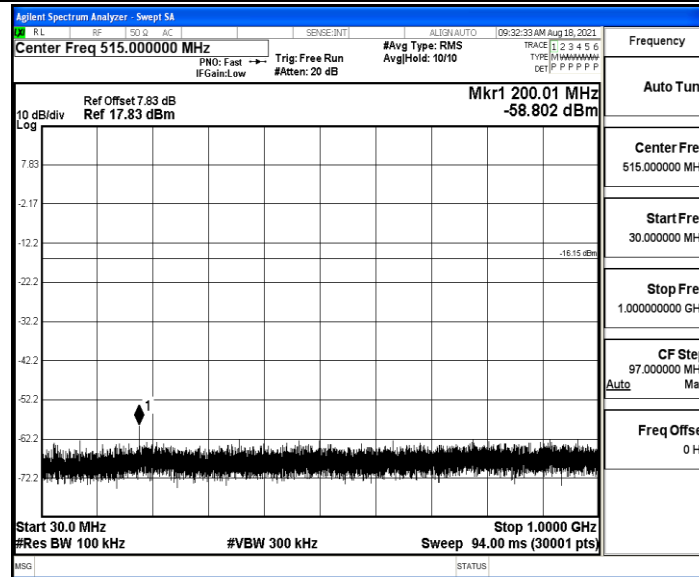
3DH5_Ant1_2402_1000~26500



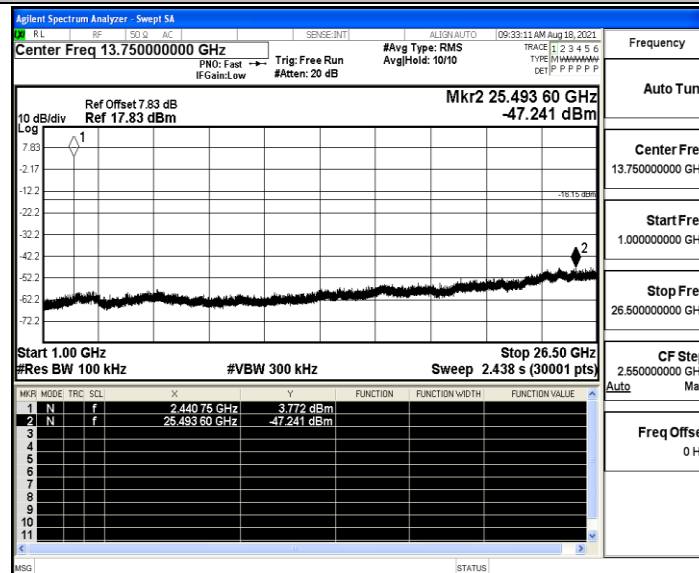
3DH5_Ant1_2441_0~Reference



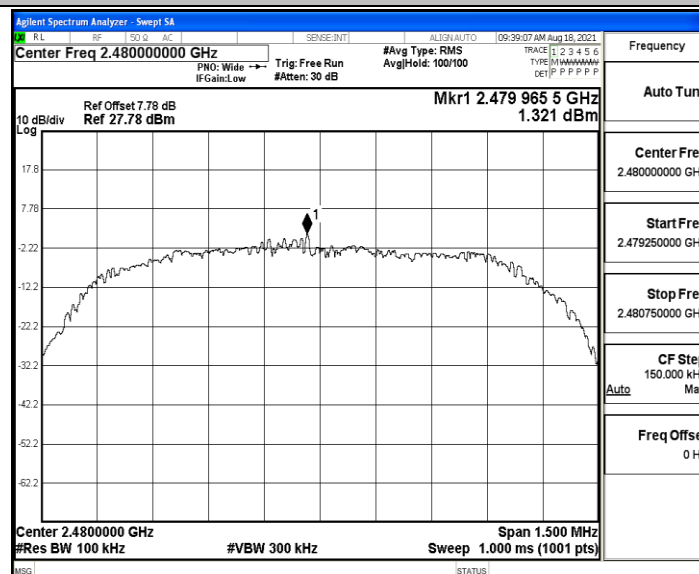
3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500

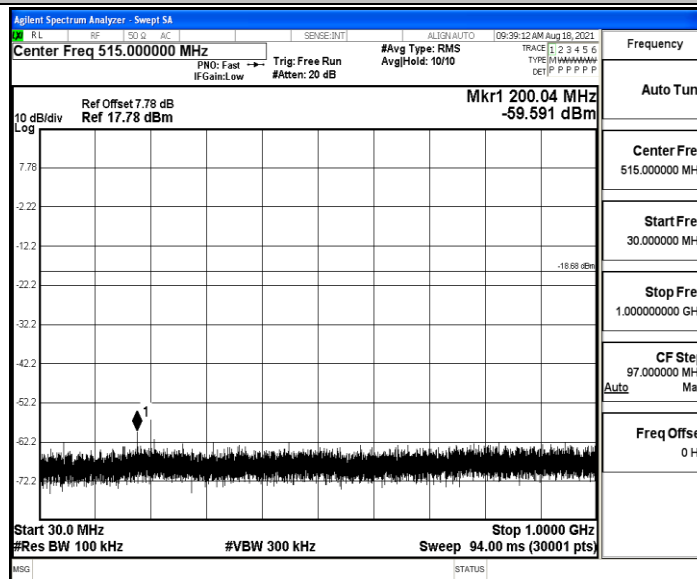


3DH5_Ant1_2480_0~Reference

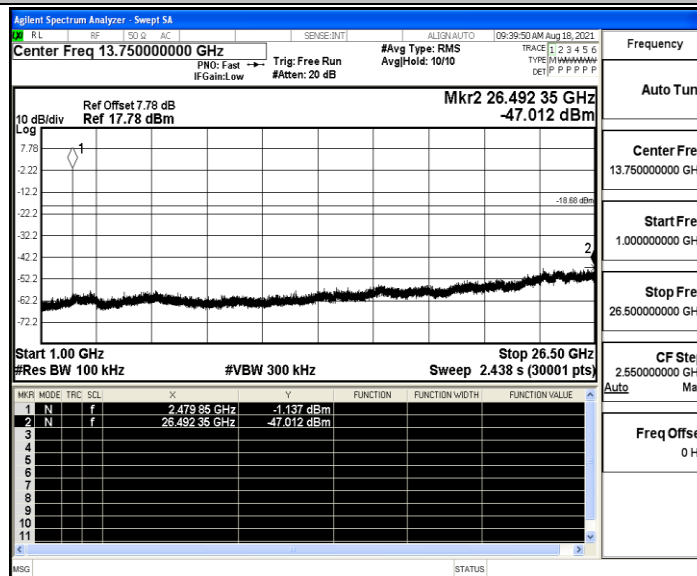




3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500





A.8 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-48.92	≤-41.20	46.28	≤54	PASS
				AV	2384.315	-48.46	≤-41.20	46.74	≤54	PASS
				AV	2390.000	-48.56	≤-41.20	46.64	≤54	PASS
				Peak	2310.000	-41.34	≤-21.20	53.86	≤74	PASS
				Peak	2376.965	-38	≤-21.20	57.20	≤74	PASS
				Peak	2390.000	-41.06	≤-21.20	54.14	≤74	PASS
		High	2480	AV	2483.500	-47.53	≤-41.20	47.67	≤54	PASS
				AV	2483.520	-47.52	≤-41.20	47.68	≤54	PASS
				AV	2500.000	-47.88	≤-41.20	47.32	≤54	PASS
				Peak	2483.500	-39.34	≤-21.20	55.86	≤74	PASS
				Peak	2499.760	-37.74	≤-21.20	57.46	≤74	PASS
				Peak	2500.000	-40.07	≤-21.20	55.13	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.89	≤-41.20	46.31	≤54	PASS
				AV	2387.360	-48.38	≤-41.20	46.82	≤54	PASS
				AV	2390.000	-48.45	≤-41.20	46.75	≤54	PASS
				Peak	2310.000	-39.76	≤-21.20	55.44	≤74	PASS
				Peak	2325.410	-37.74	≤-21.20	57.46	≤74	PASS
				Peak	2390.000	-40.13	≤-21.20	55.07	≤74	PASS
		High	2480	AV	2483.500	-47.57	≤-41.20	47.63	≤54	PASS
				AV	2483.520	-47.57	≤-41.20	47.63	≤54	PASS
				AV	2500.000	-47.98	≤-41.20	47.22	≤54	PASS
				Peak	2483.500	-39.81	≤-21.20	55.39	≤74	PASS
				Peak	2493.600	-37.59	≤-21.20	57.61	≤74	PASS
				Peak	2500.000	-38.91	≤-21.20	56.29	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-48.8	≤-41.20	46.40	≤54	PASS
				AV	2389.250	-48.33	≤-41.20	46.87	≤54	PASS
				AV	2390.000	-48.5	≤-41.20	46.70	≤54	PASS
				Peak	2310.000	-39.94	≤-21.20	55.26	≤74	PASS
				Peak	2324.675	-38.12	≤-21.20	57.08	≤74	PASS
				Peak	2390.000	-38.67	≤-21.20	56.53	≤74	PASS
		High	2480	AV	2483.500	-47.64	≤-41.20	47.56	≤54	PASS
				AV	2483.520	-47.64	≤-41.20	47.56	≤54	PASS
				AV	2500.000	-48.03	≤-41.20	47.17	≤54	PASS
				Peak	2483.500	-38.76	≤-21.20	56.44	≤74	PASS
				Peak	2489.360	-37.7	≤-21.20	57.50	≤74	PASS
				Peak	2500.000	-39.31	≤-21.20	55.89	≤74	PASS



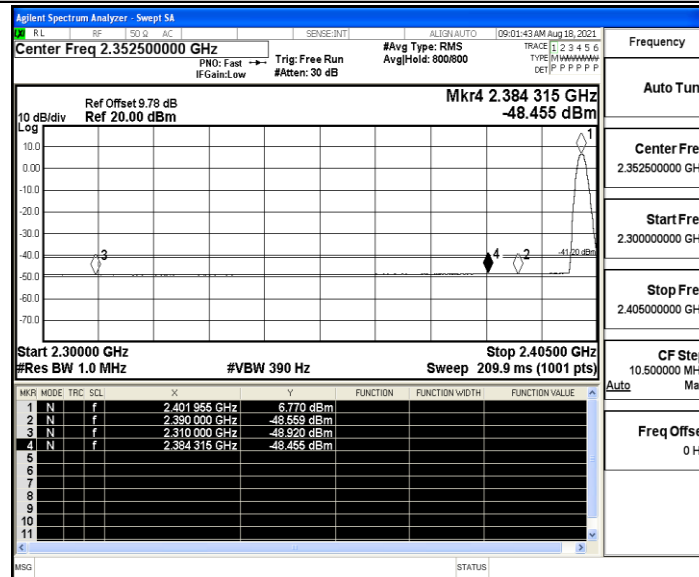
Note:

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.

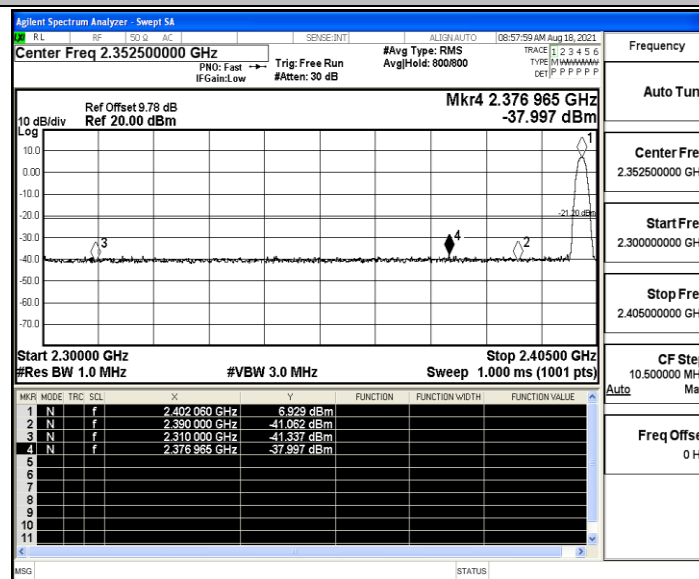


Test Graphs

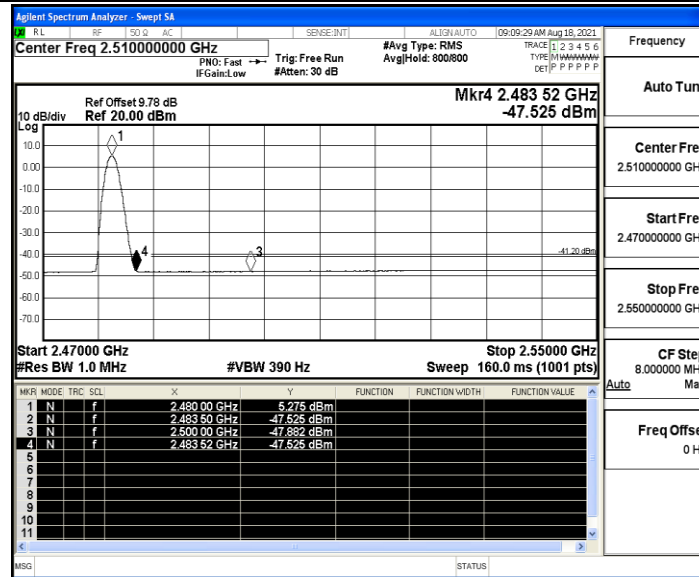
DH5_Ant1_Low_2402_AV



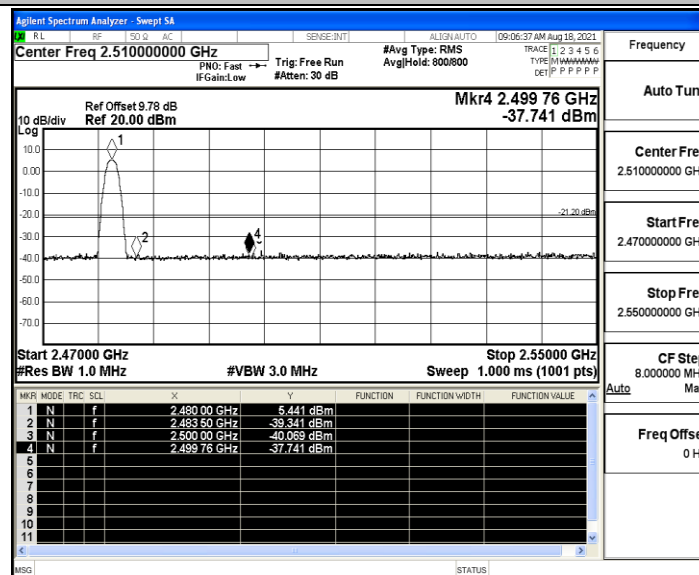
DH5_Ant1_Low_2402_Peak



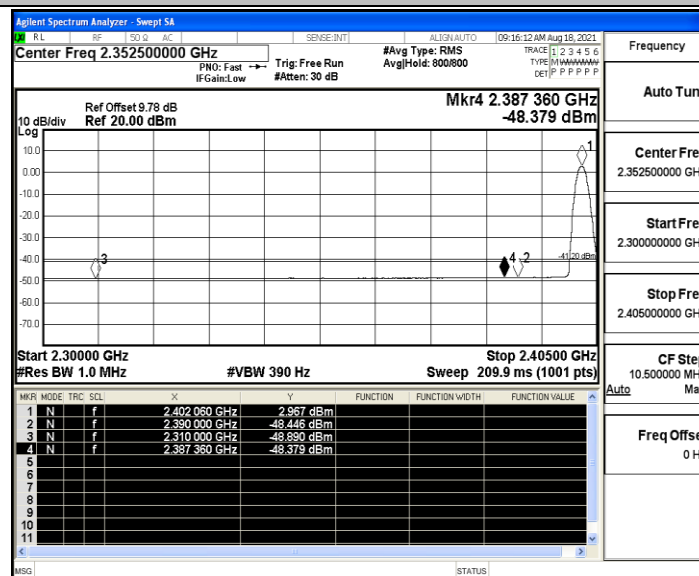
DH5_Ant1_High_2480_AV



DH5_Ant1_High_2480_Peak

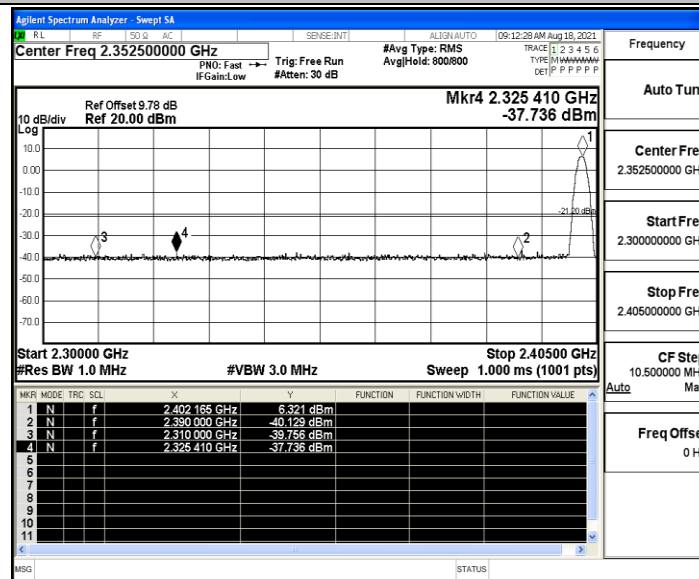


2DH5_Ant1_Low_2402_AV

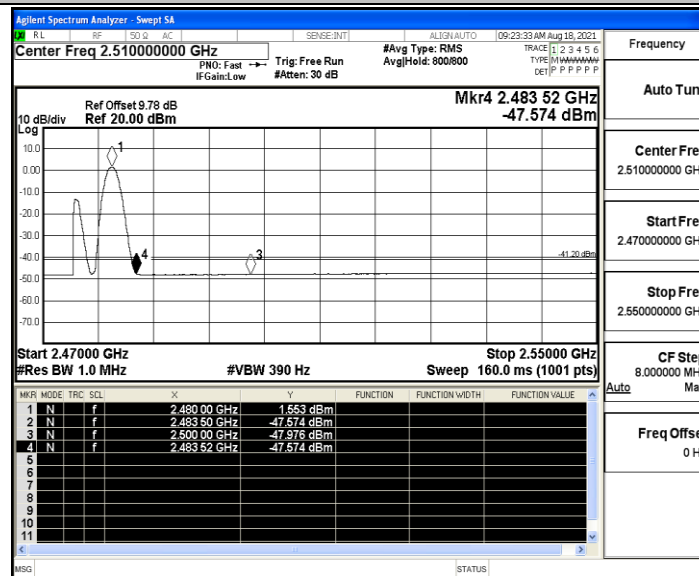




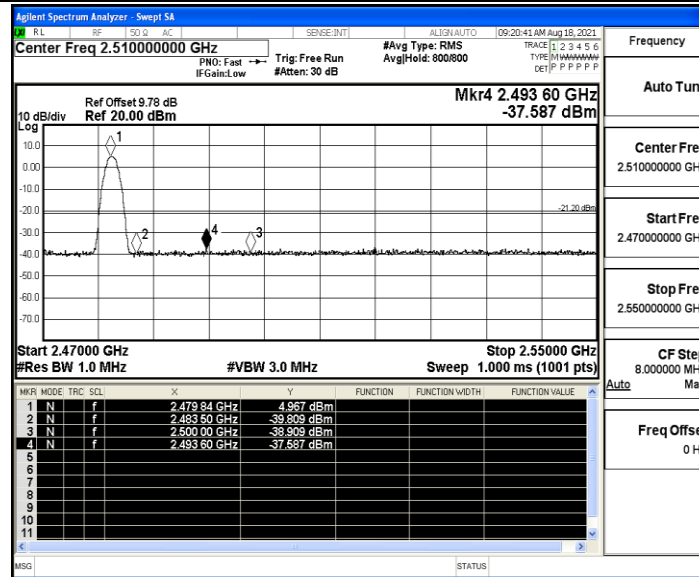
2DH5_Ant1_Low_2402_Peak



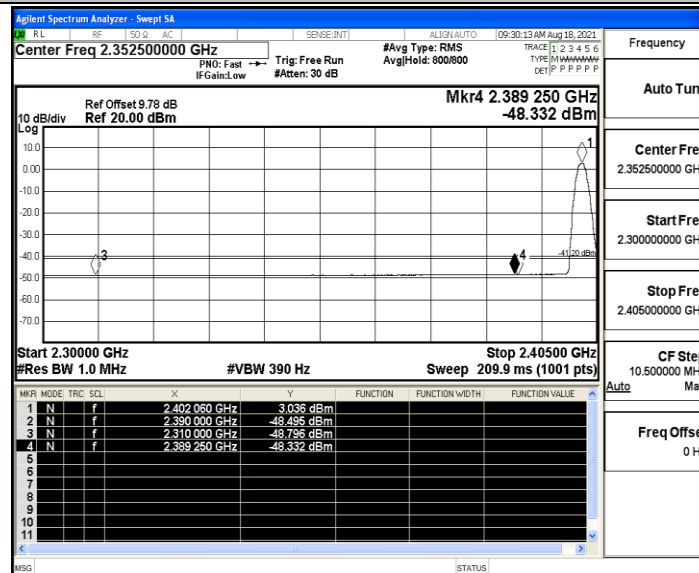
2DH5_Ant1_High_2480_AV



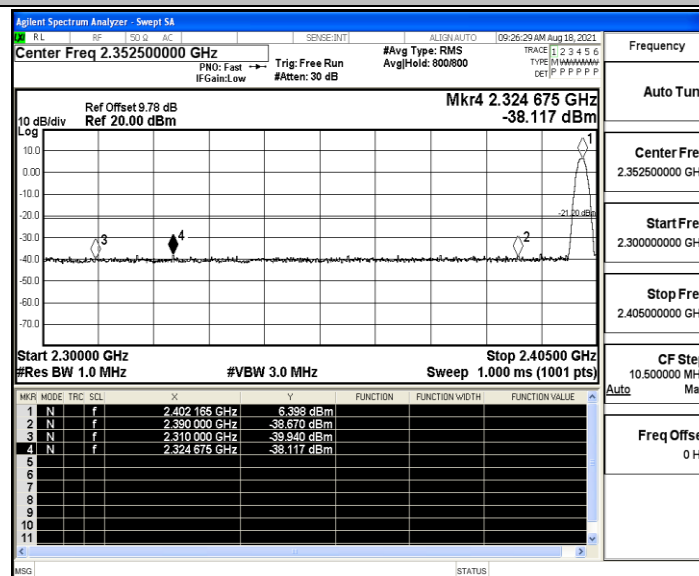
2DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_2402_AV

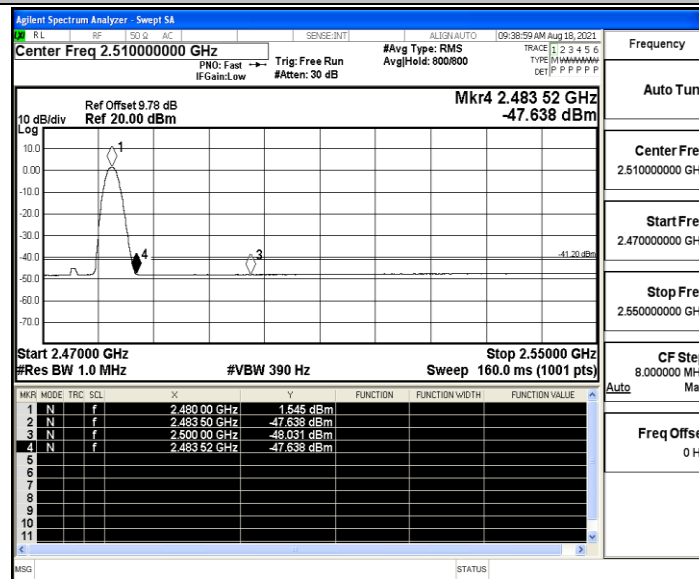


3DH5_Ant1_Low_2402_Peak





3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak

