



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: TABLET PC

Trade Mark: Simbans

Test Model: Picasso Tab _ XL

Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan



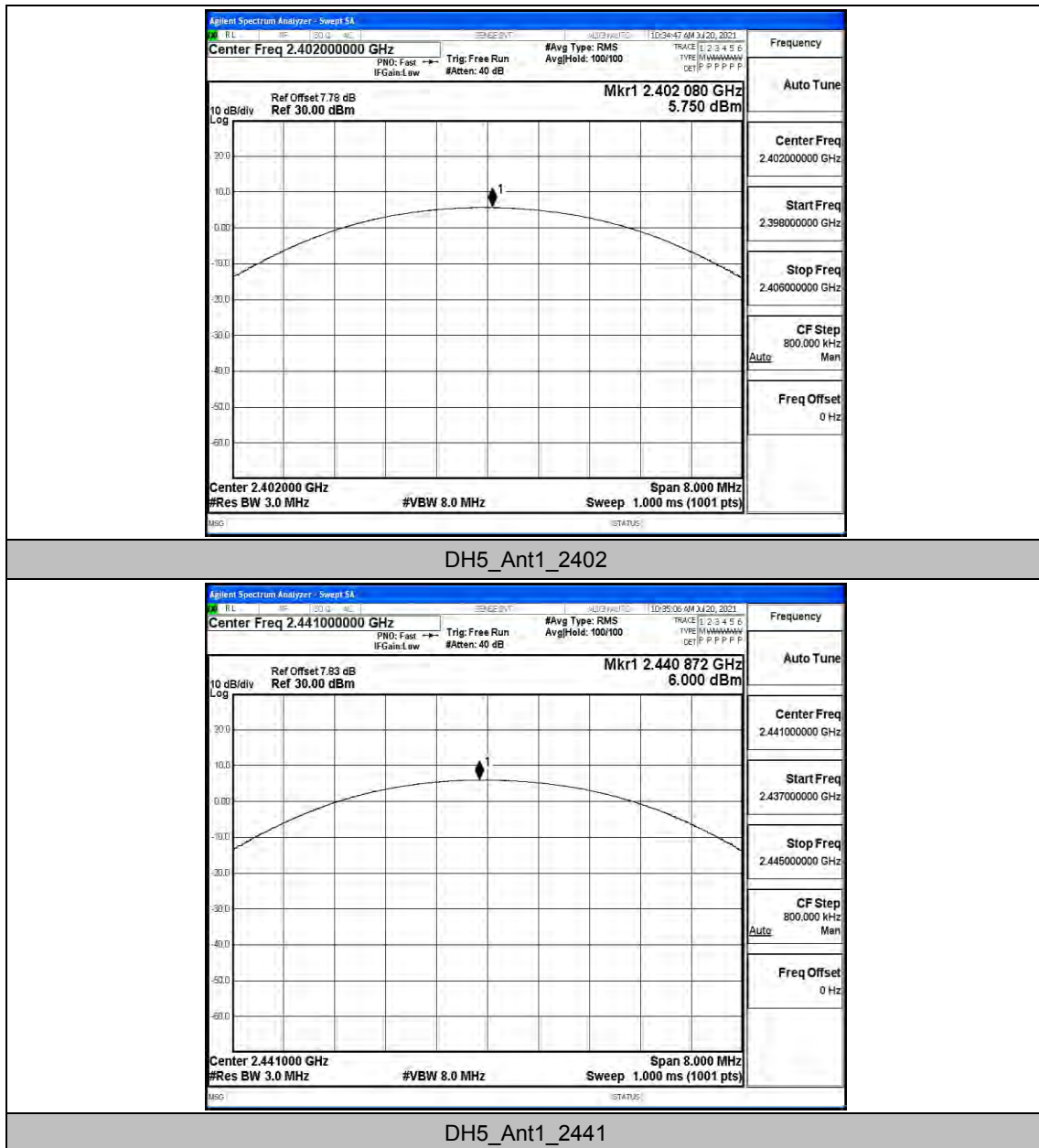
Appendix A.1: Maximum conducted output power

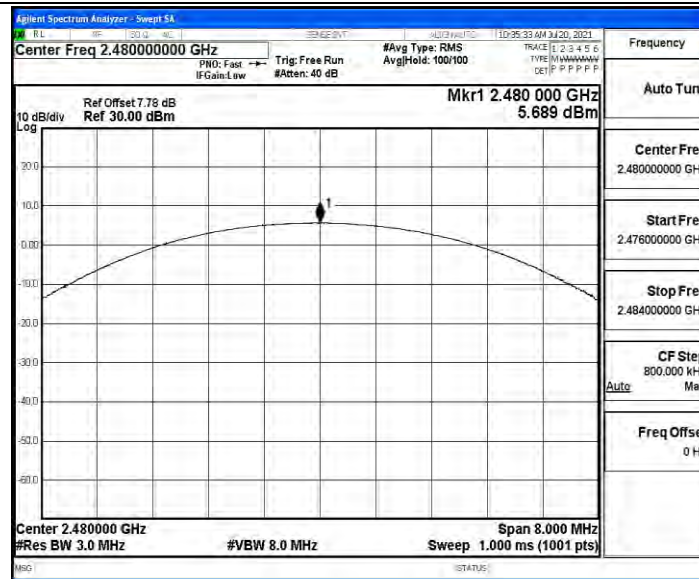
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	5.75	≤20.97	PASS
		2441	6	≤20.97	PASS
		2480	5.69	≤20.97	PASS
2DH5	Ant1	2402	4.72	≤20.97	PASS
		2441	5.24	≤20.97	PASS
		2480	4.73	≤20.97	PASS
3DH5	Ant1	2402	4.7	≤20.97	PASS
		2441	5.2	≤20.97	PASS
		2480	4.79	≤20.97	PASS

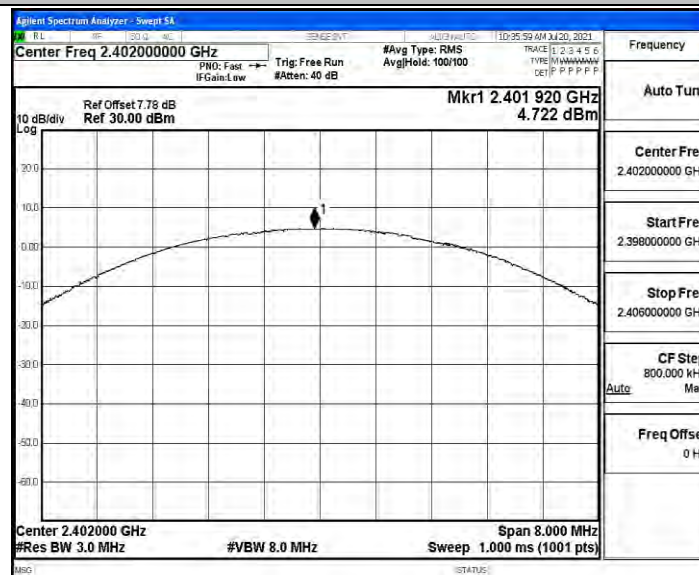


Test Graphs

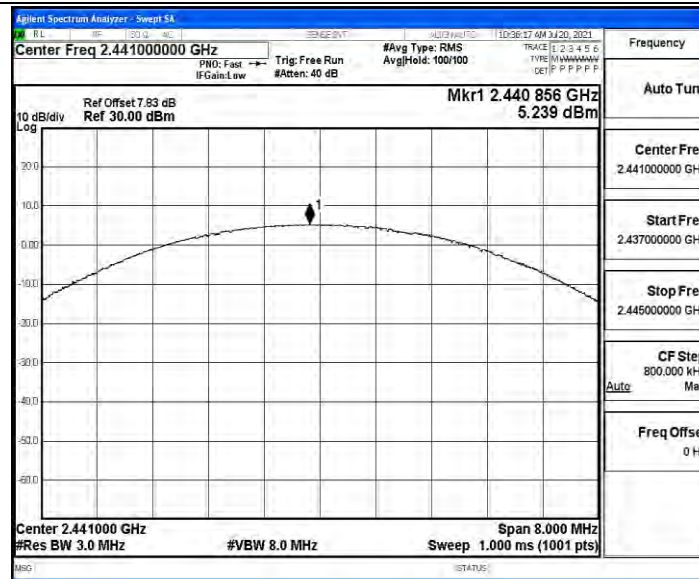




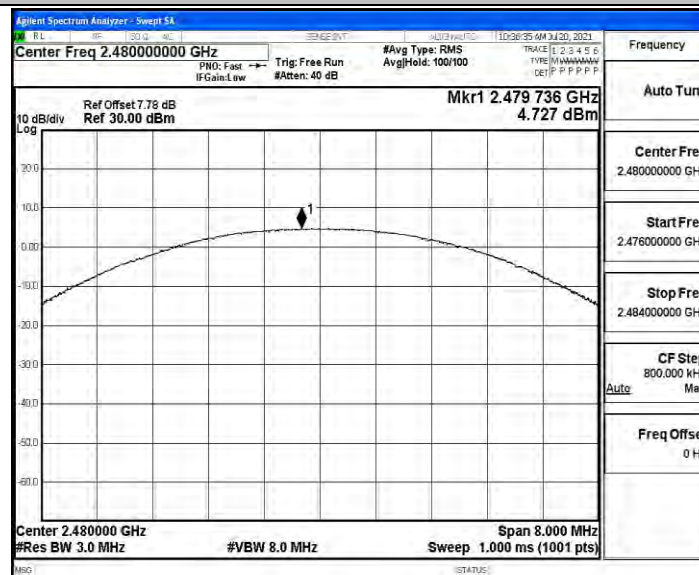
DH5_Ant1_2480



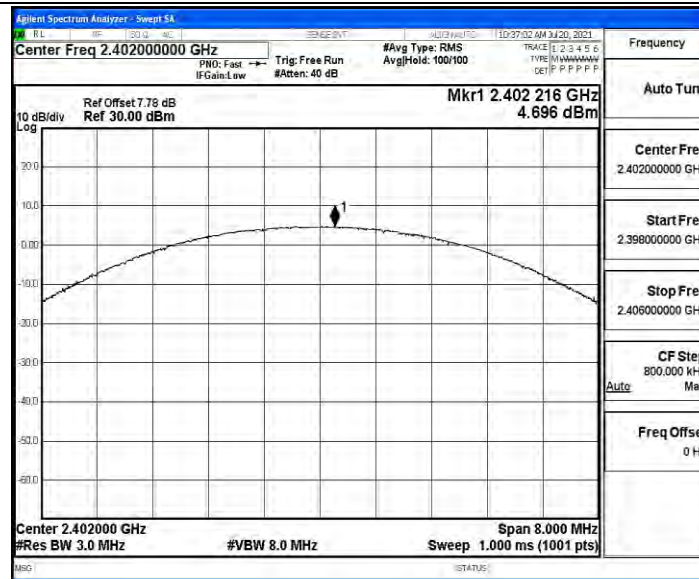
2DH5_Ant1_2402



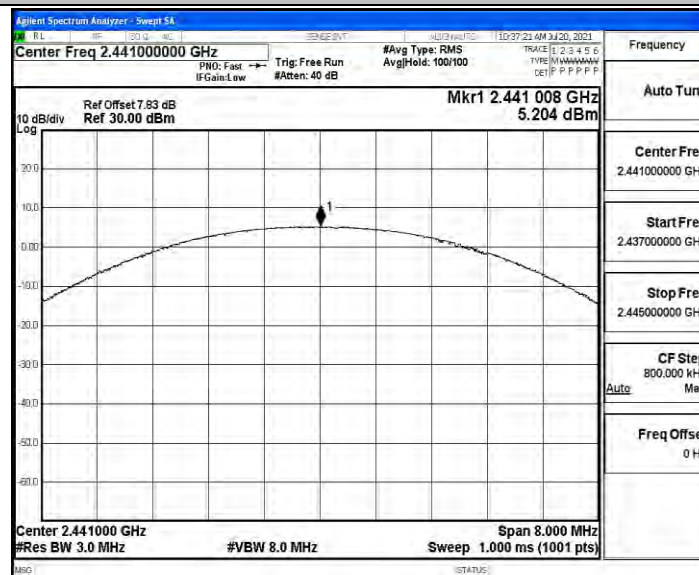
2DH5_Ant1_2441



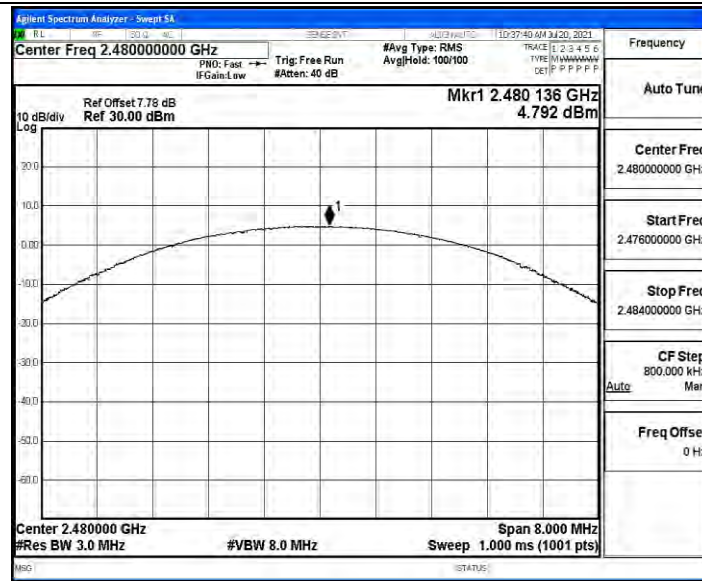
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



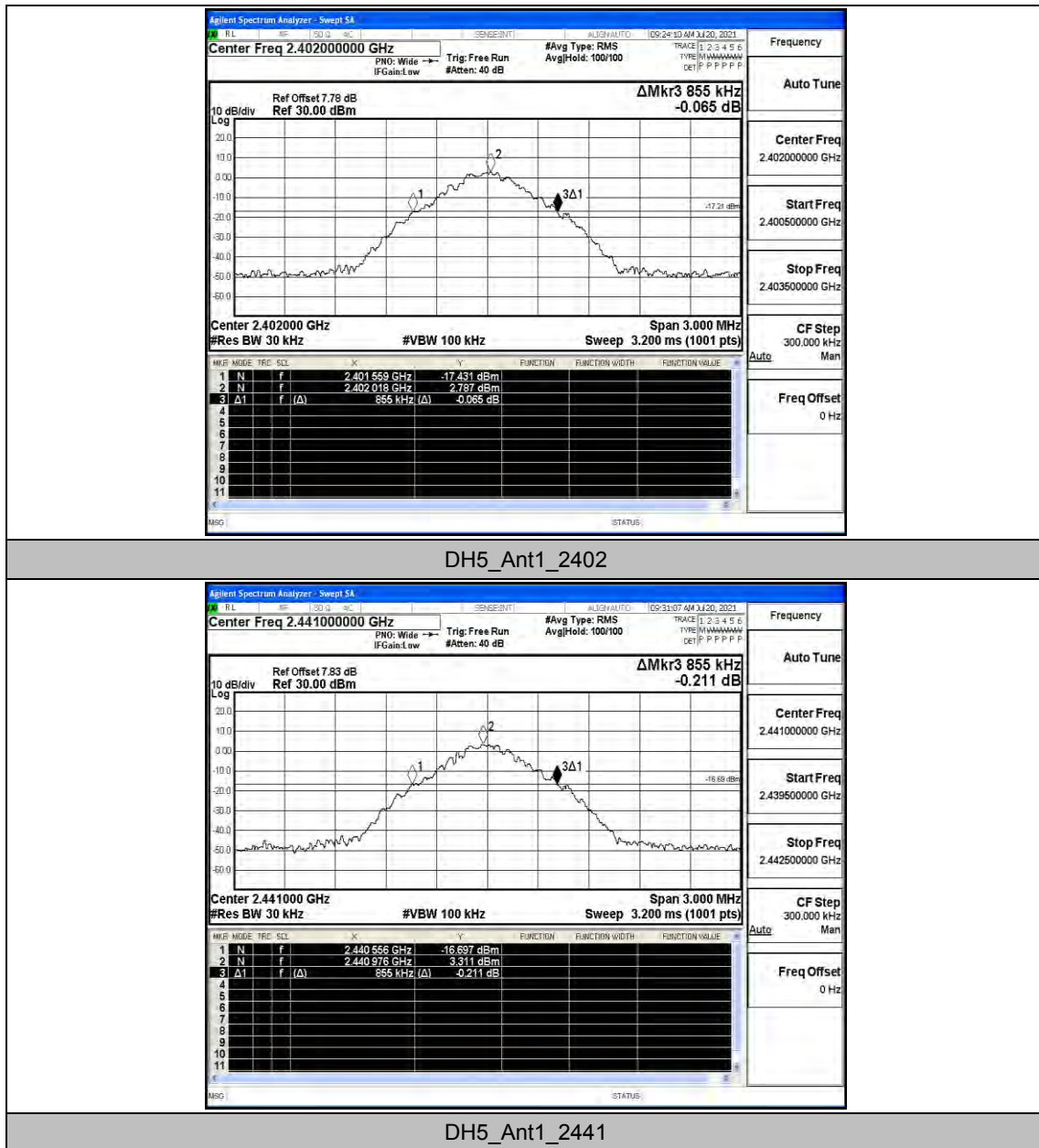
Appendix A.2.1: 20dB Emission Bandwidth

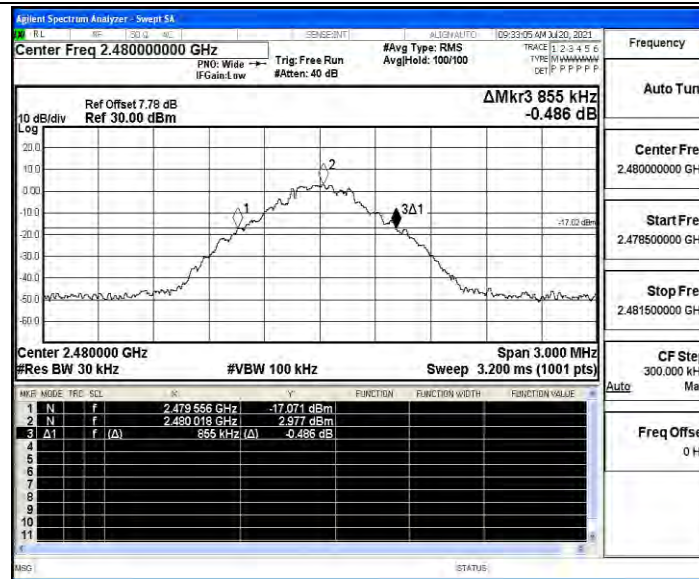
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.855	2401.559	2402.414	---	PASS
		2441	0.855	2440.556	2441.411	---	PASS
		2480	0.855	2479.556	2480.411	---	PASS
2DH5	Ant1	2402	1.293	2401.361	2402.654	---	PASS
		2441	1.296	2440.361	2441.657	---	PASS
		2480	1.284	2479.367	2480.651	---	PASS
3DH5	Ant1	2402	1.269	2401.361	2402.630	---	PASS
		2441	1.290	2440.352	2441.642	---	PASS
		2480	1.269	2479.358	2480.627	---	PASS

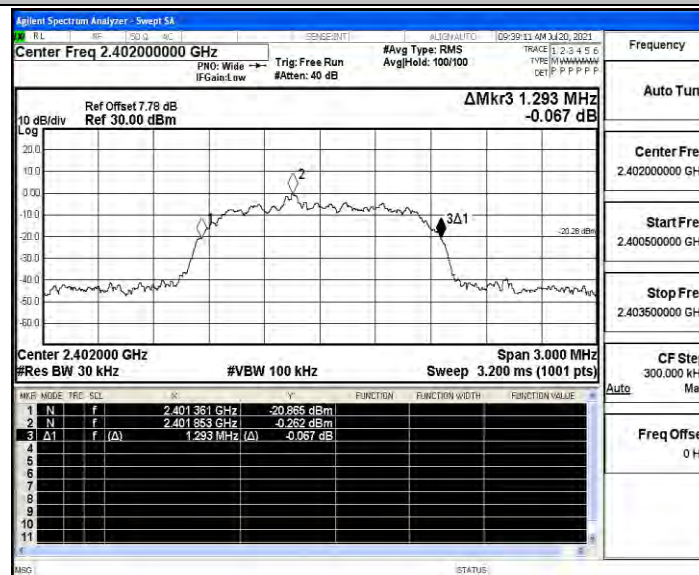


Test Graphs

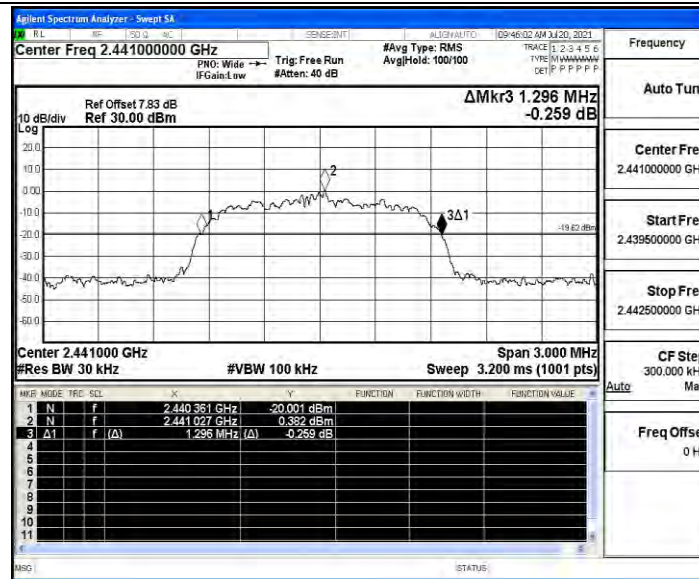




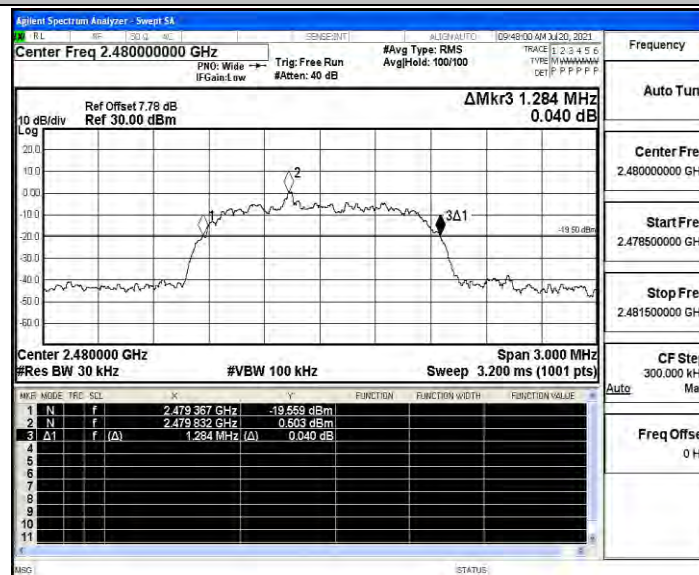
DH5_Ant1_2480



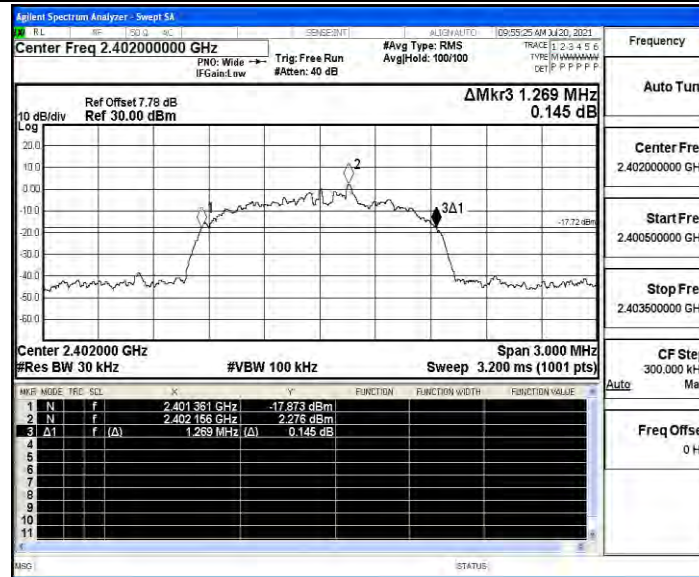
2DH5_Ant1_2402



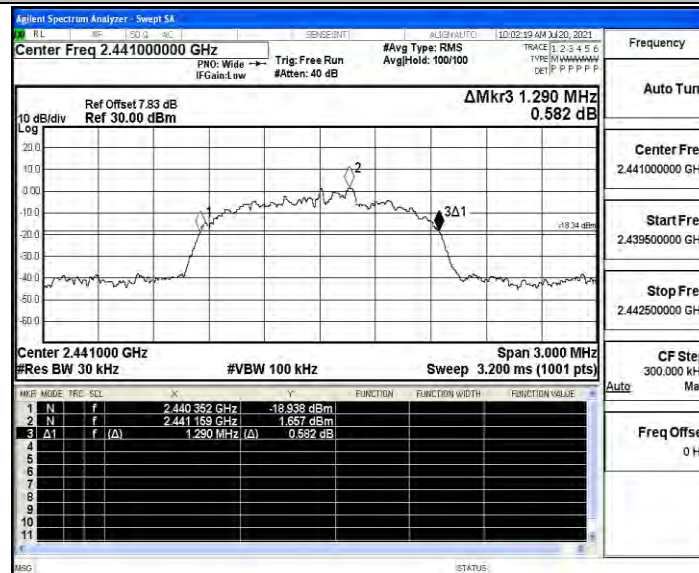
2DH5_Ant1_2441



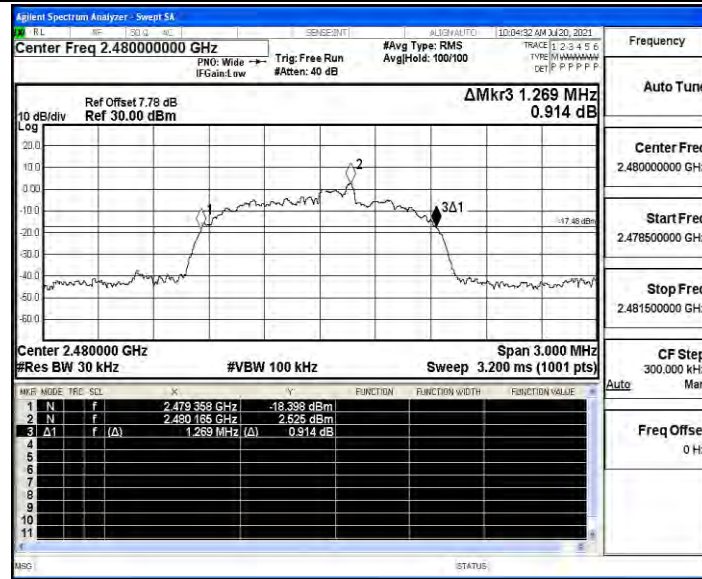
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



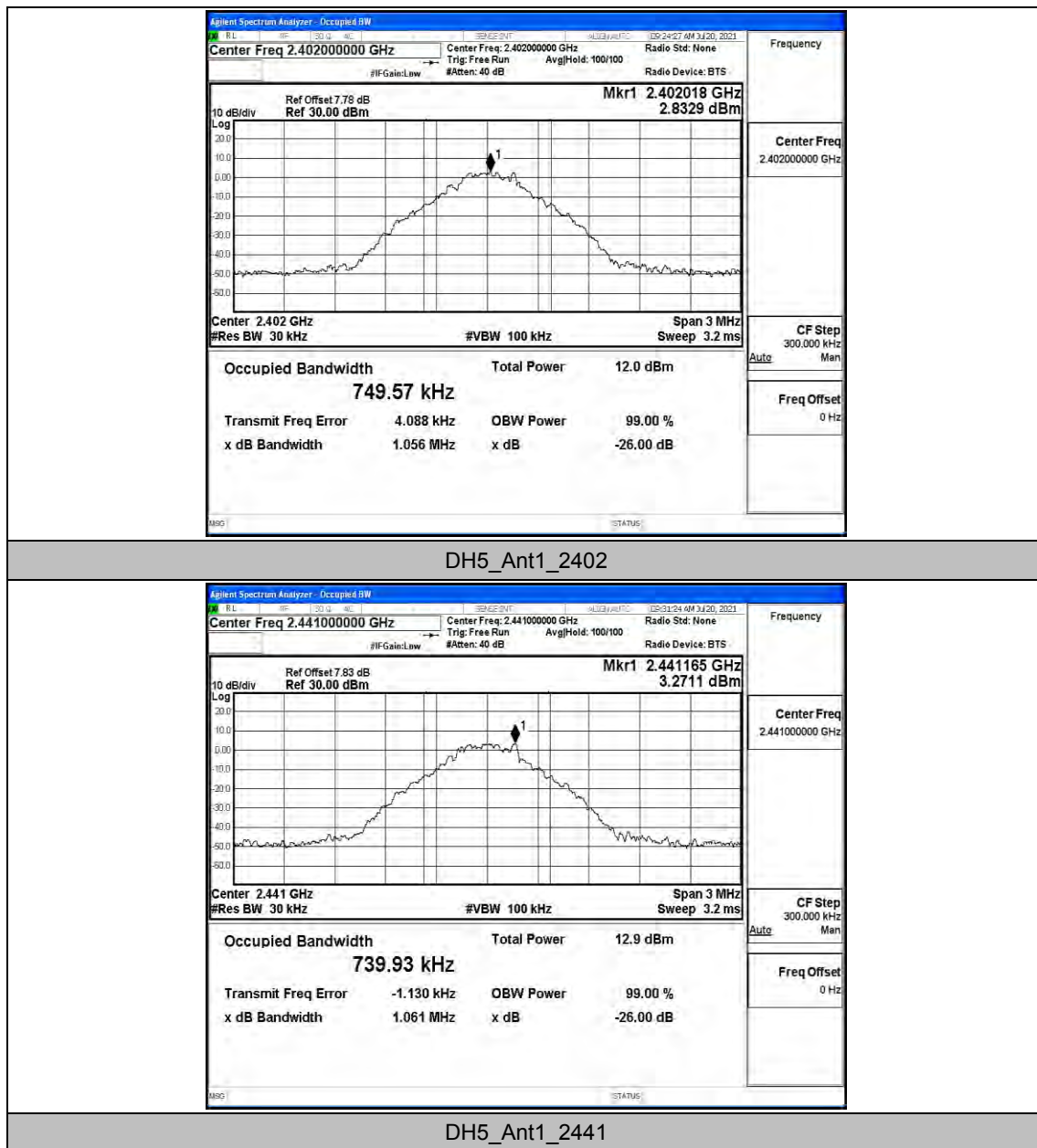
Appendix A.2.2: Occupied Channel Bandwidth

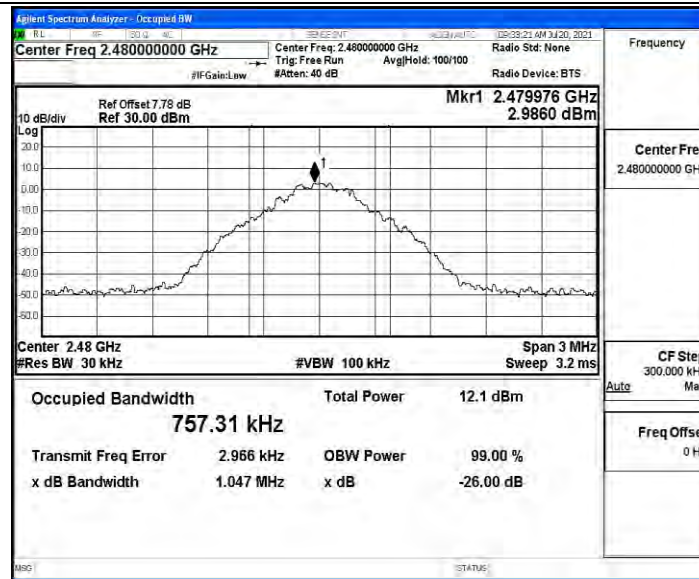
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.74957	2401.629	2402.379	---	PASS
		2441	0.73993	2440.629	2441.369	---	PASS
		2480	0.75731	2479.624	2480.382	---	PASS
2DH5	Ant1	2402	1.1557	2401.420	2402.576	---	PASS
		2441	1.1753	2440.411	2441.586	---	PASS
		2480	1.1686	2479.412	2480.581	---	PASS
3DH5	Ant1	2402	1.1654	2401.422	2402.587	---	PASS
		2441	1.1685	2440.419	2441.588	---	PASS
		2480	1.1779	2479.410	2480.588	---	PASS

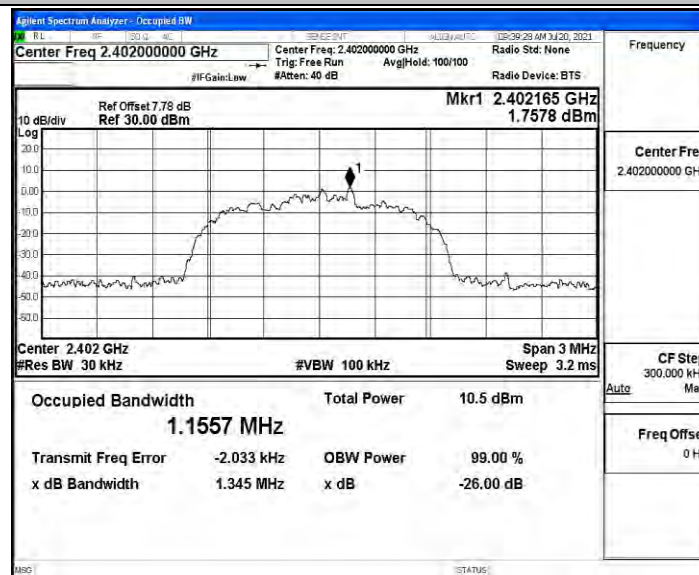


Test Graphs

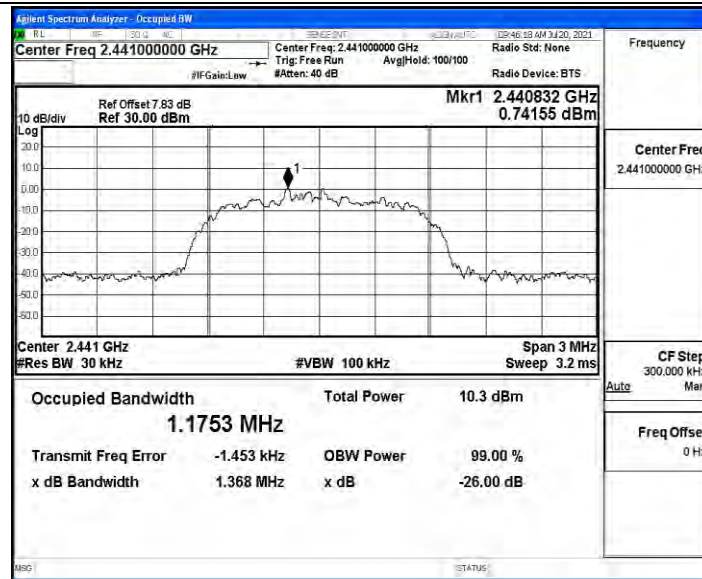




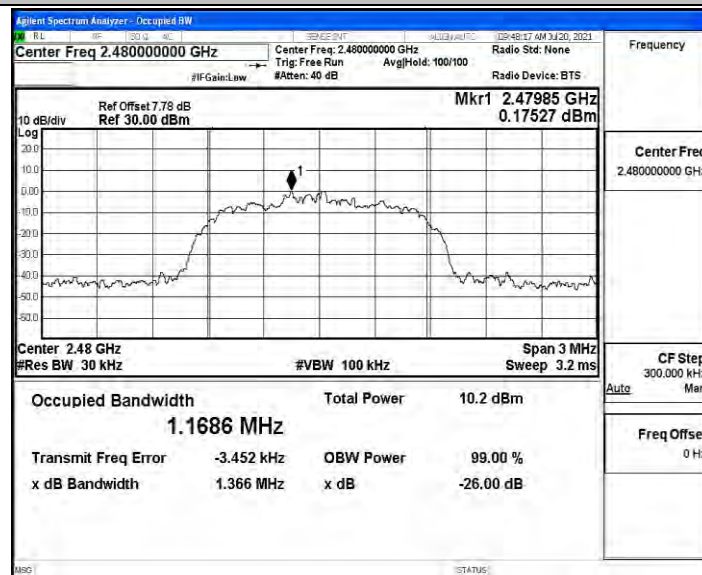
DH5_Ant1_2480



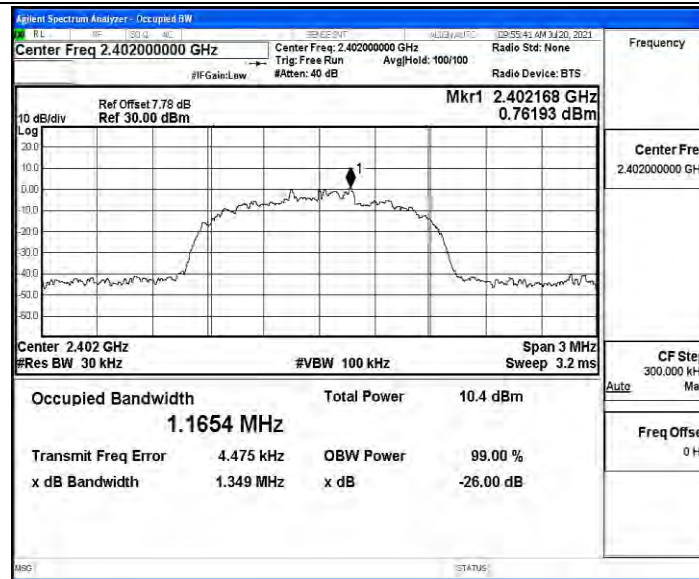
2DH5_Ant1_2402



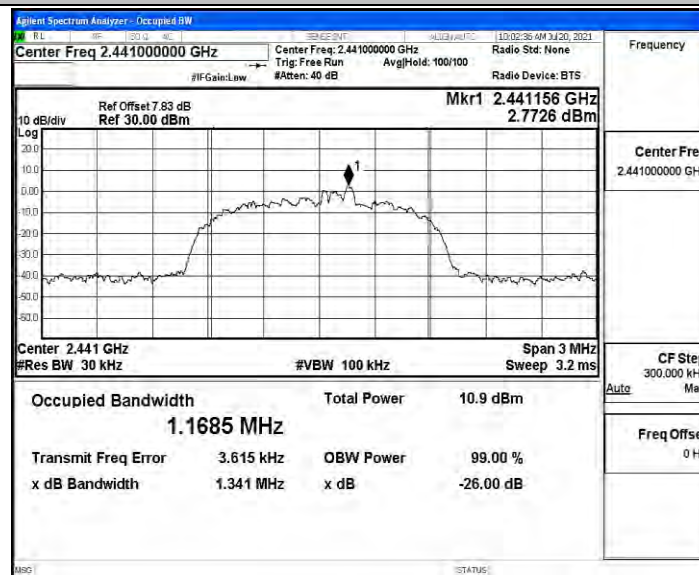
2DH5_Ant1_2441



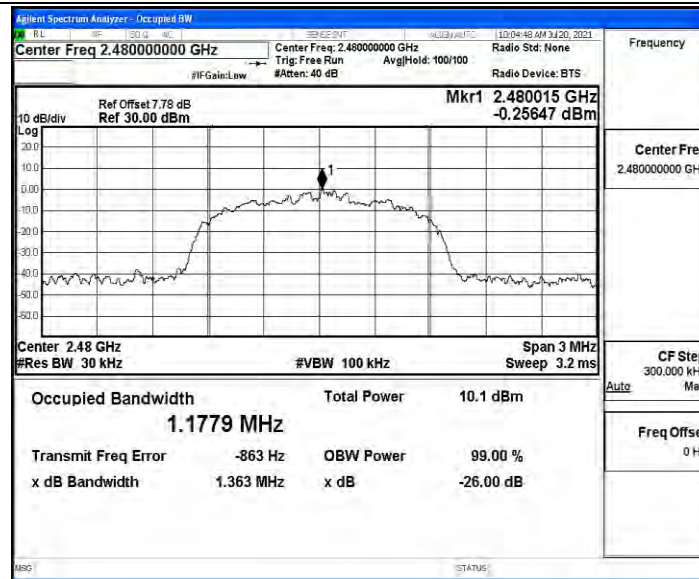
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



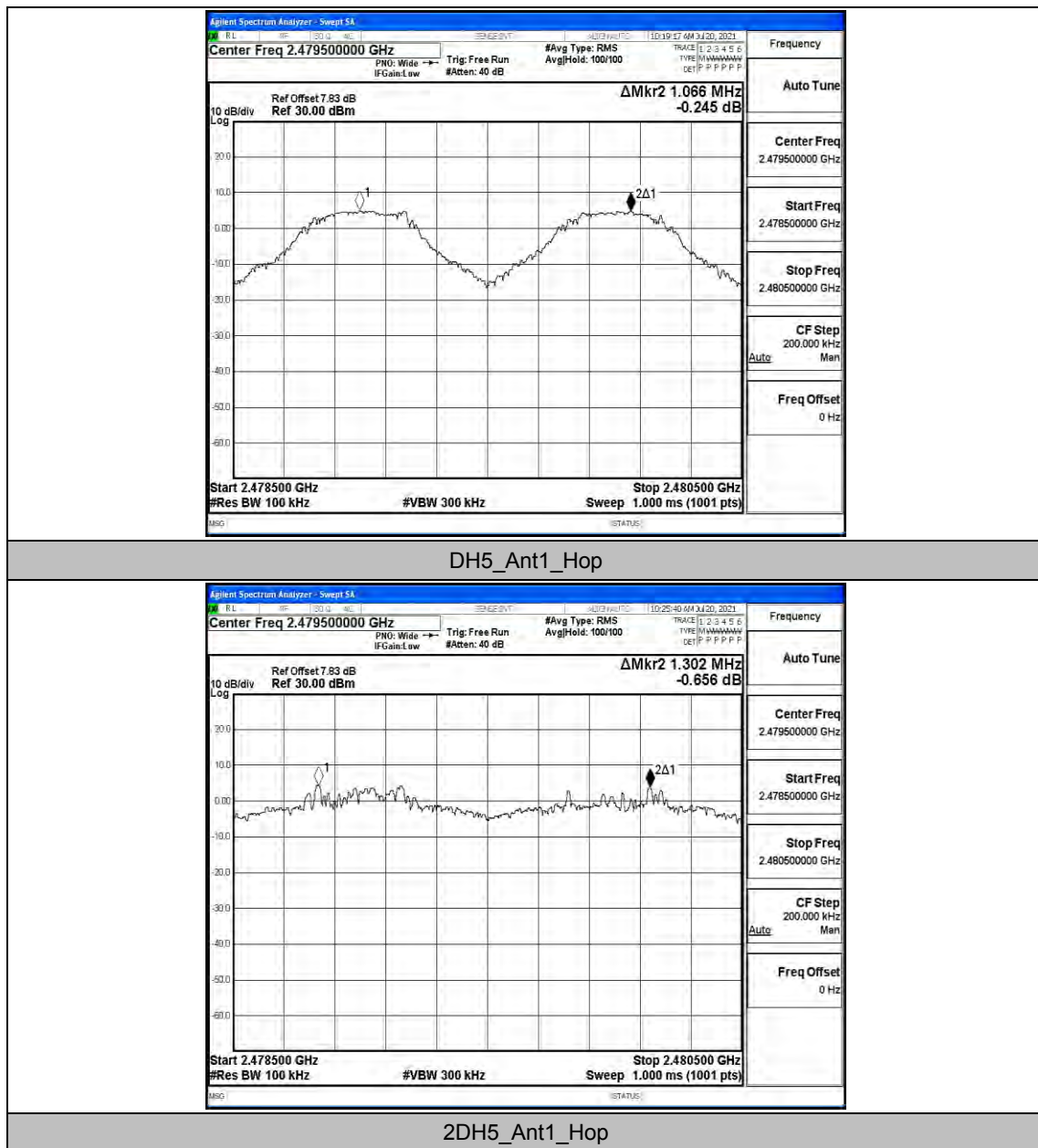
Appendix A.3: Carrier frequency separation

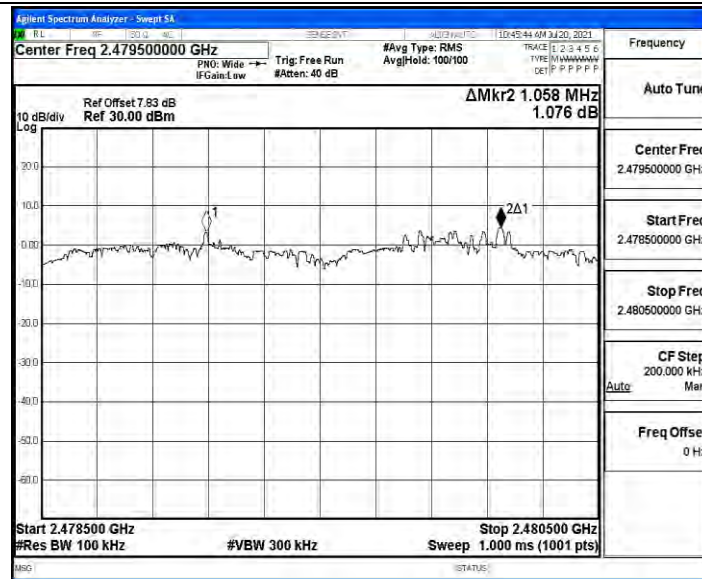
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	1.066	≥ 0.855	PASS
2DH5	Ant1	Hop	1.302	≥ 0.864	PASS
3DH5	Ant1	Hop	1.058	≥ 0.860	PASS



Test Graphs





3DH5_Ant1_Hop



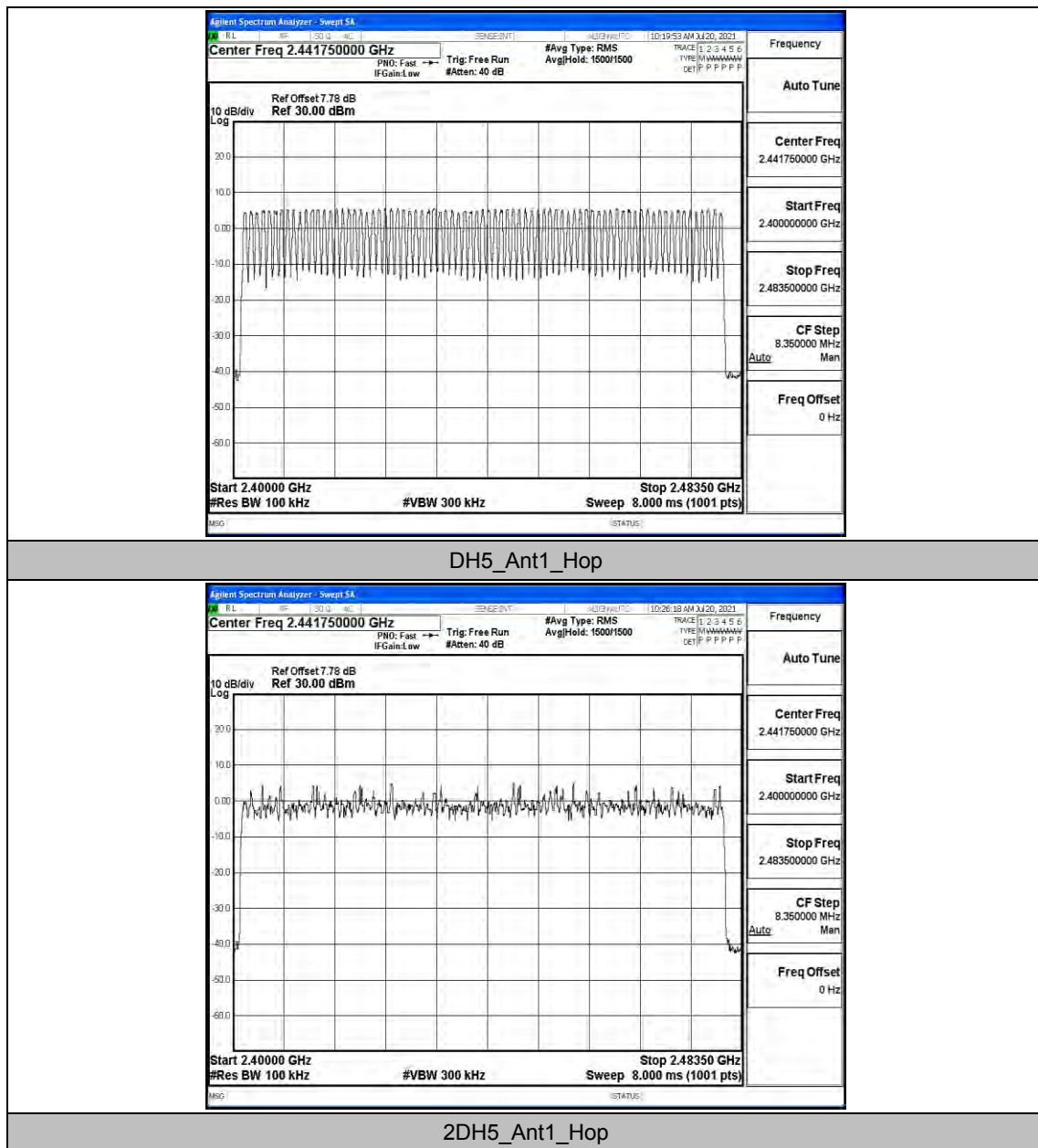
Appendix A.4: Number of hopping channels

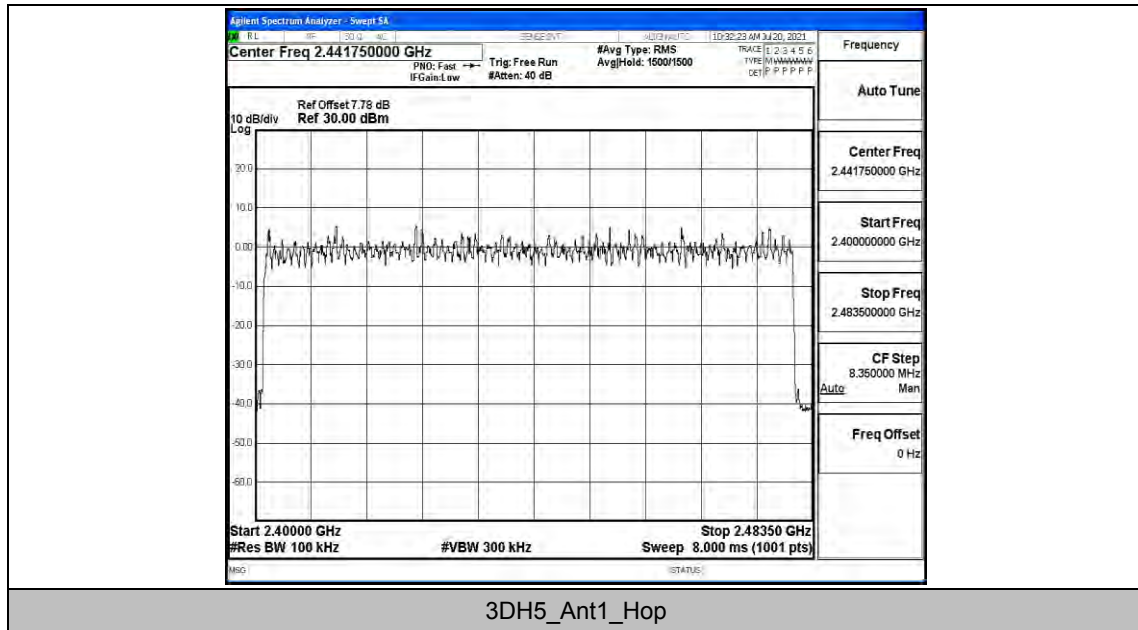
Test Result

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







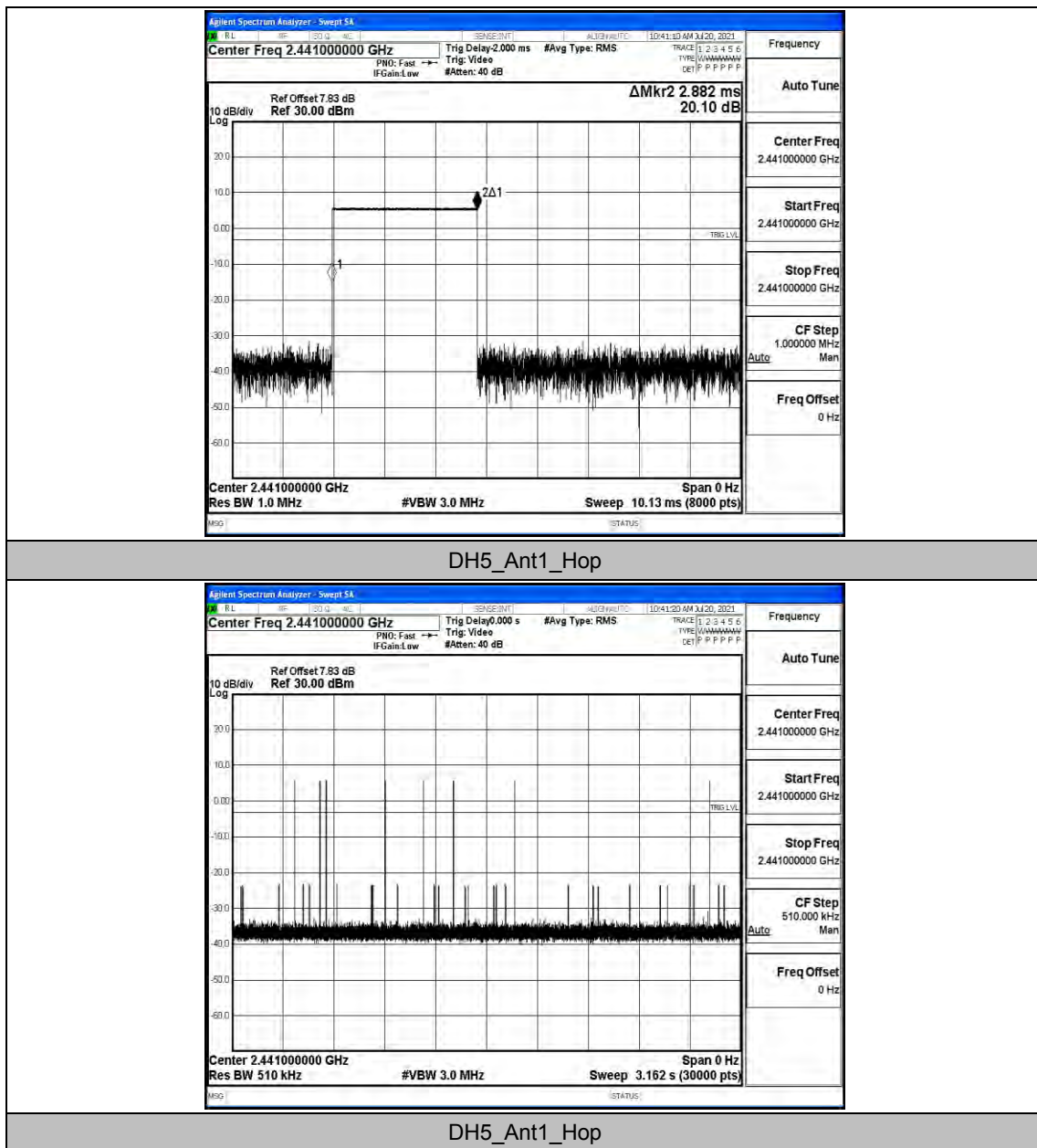
Appendix A.5.1: Time of occupancy

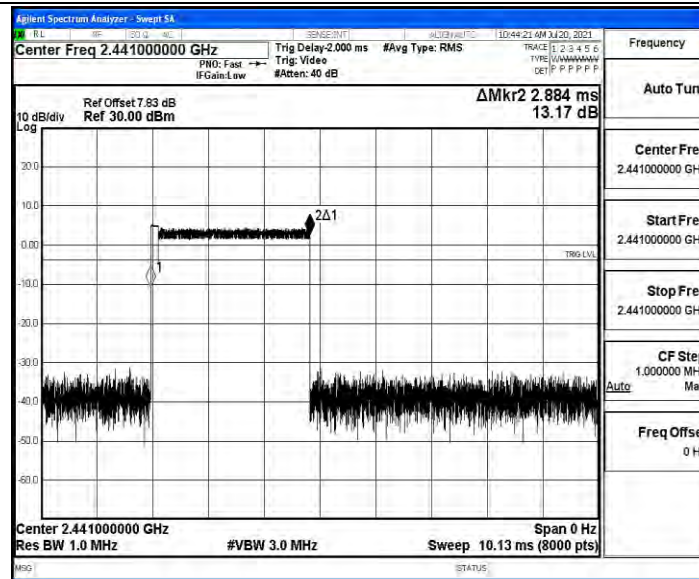
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	90	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.89	130	0.375	≤0.4	PASS

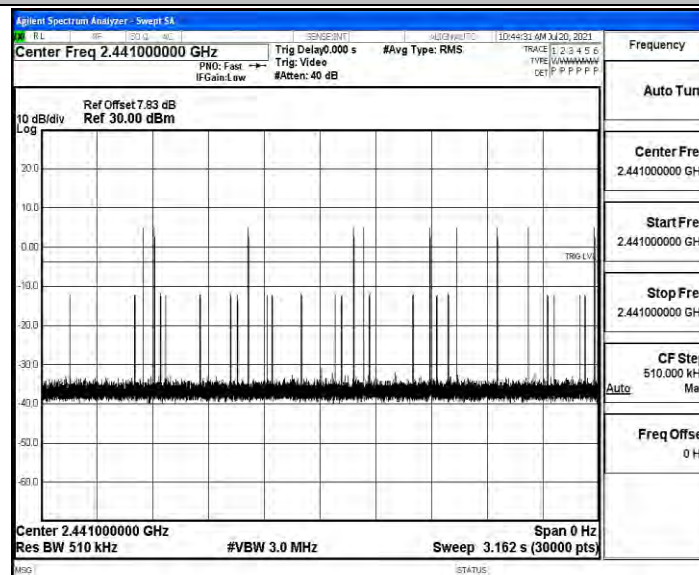


Test Graphs

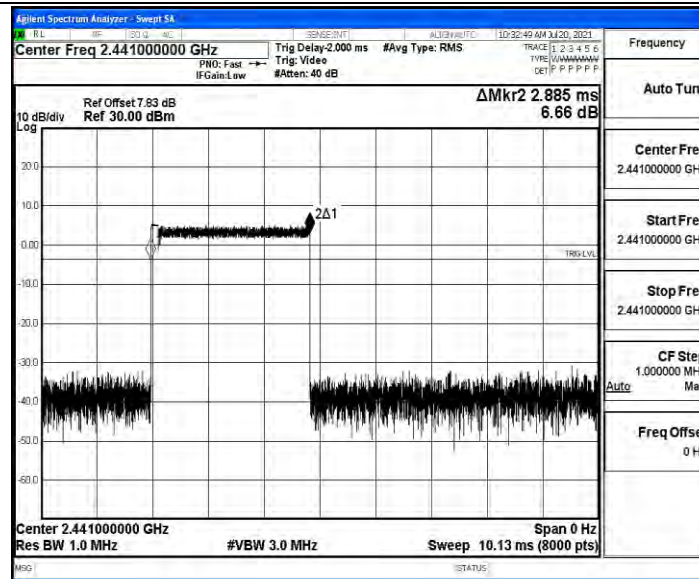




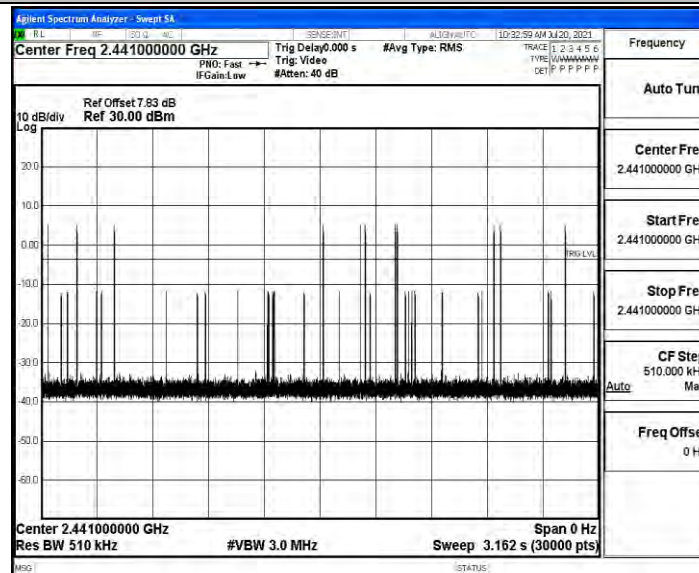
2DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



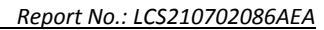
3DH5_Ant1_Hop



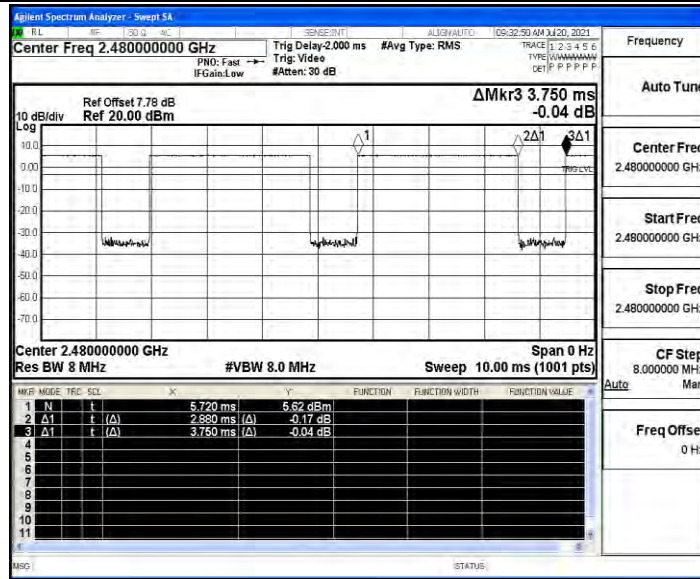
Appendix A.5.2: Duty Cycle

Test Result

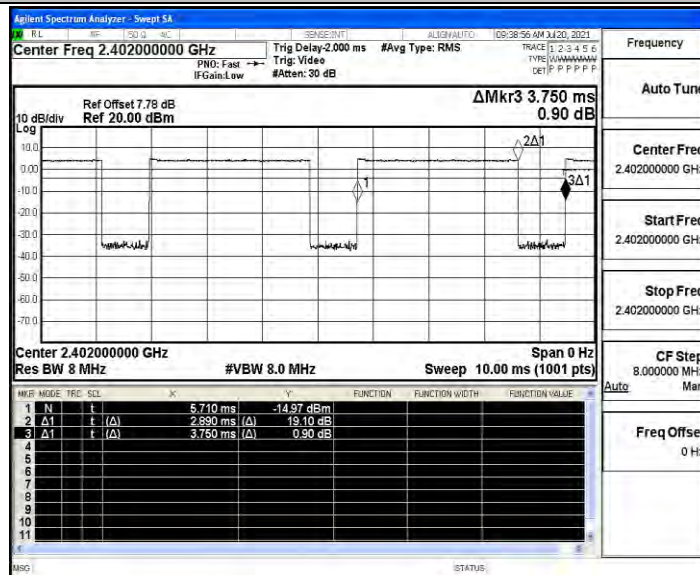
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.88	3.75	0.7680	76.80	1.15	---	PASS
		2441	2.89	3.75	0.7707	77.07	1.13	---	PASS
		2480	2.88	3.75	0.7680	76.80	1.15	---	PASS
2DH5	Ant1	2402	2.89	3.75	0.7707	77.07	1.13	---	PASS
		2441	2.88	3.75	0.7680	76.80	1.15	---	PASS
		2480	2.89	3.75	0.7707	77.07	1.13	---	PASS
3DH5	Ant1	2402	2.88	3.75	0.7680	76.80	1.15	---	PASS
		2441	2.88	3.75	0.7680	76.80	1.15	---	PASS
		2480	2.89	3.75	0.7707	77.07	1.13	---	PASS



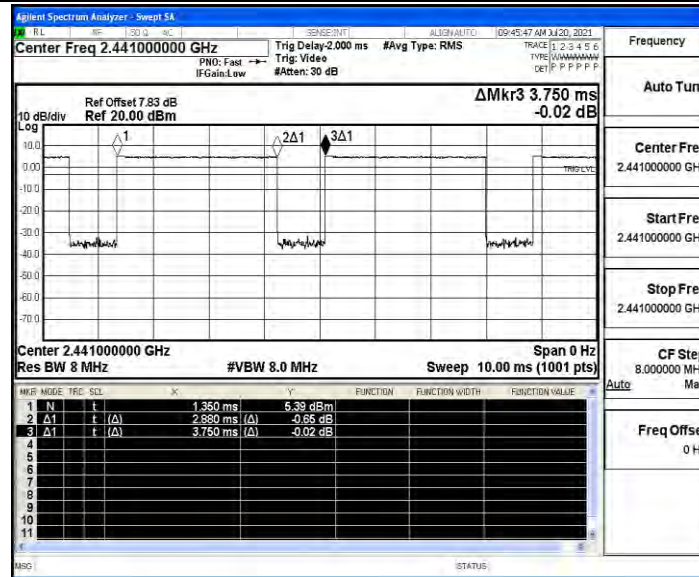
DH5_Ant1_2441



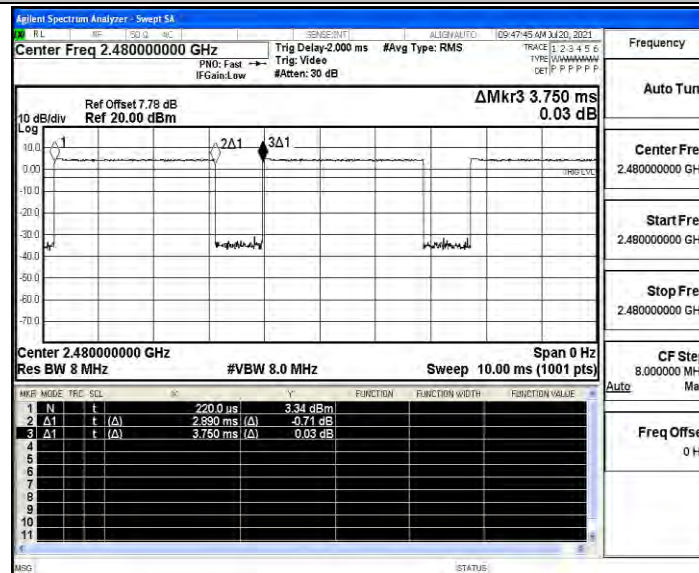
DH5_Ant1_2480



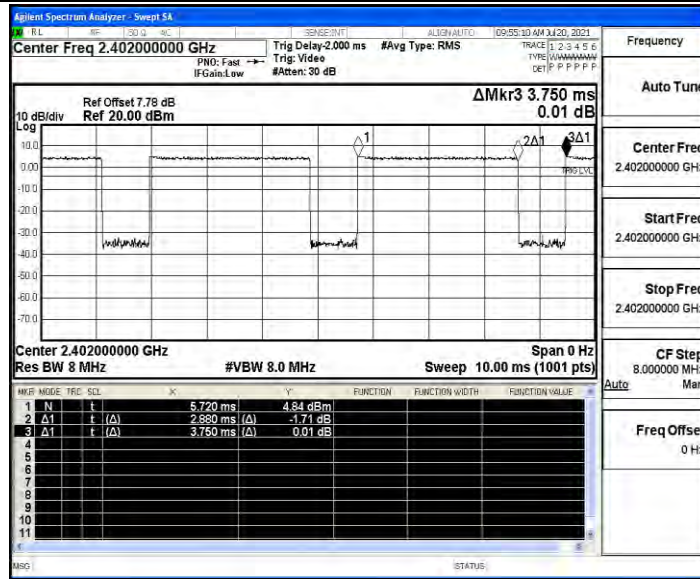
2DH5_Ant1_2402



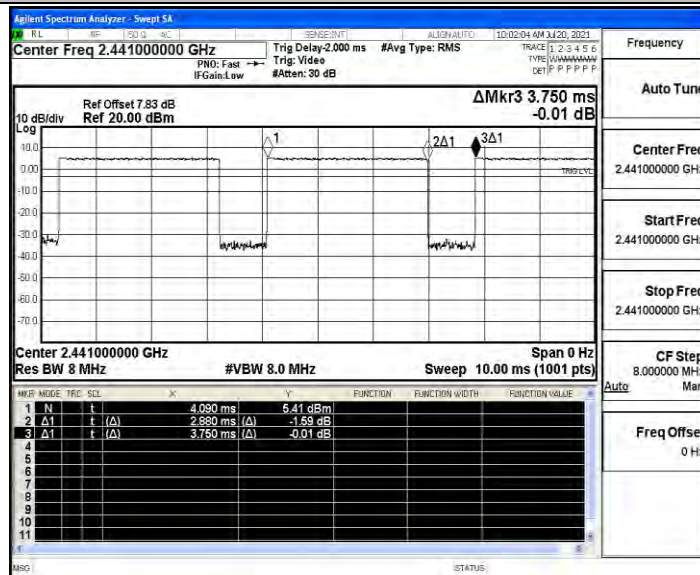
2DH5_Ant1_2441



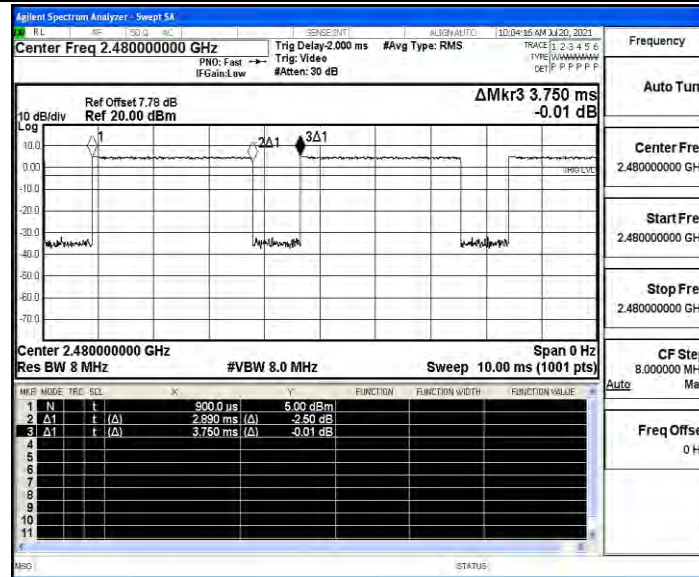
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



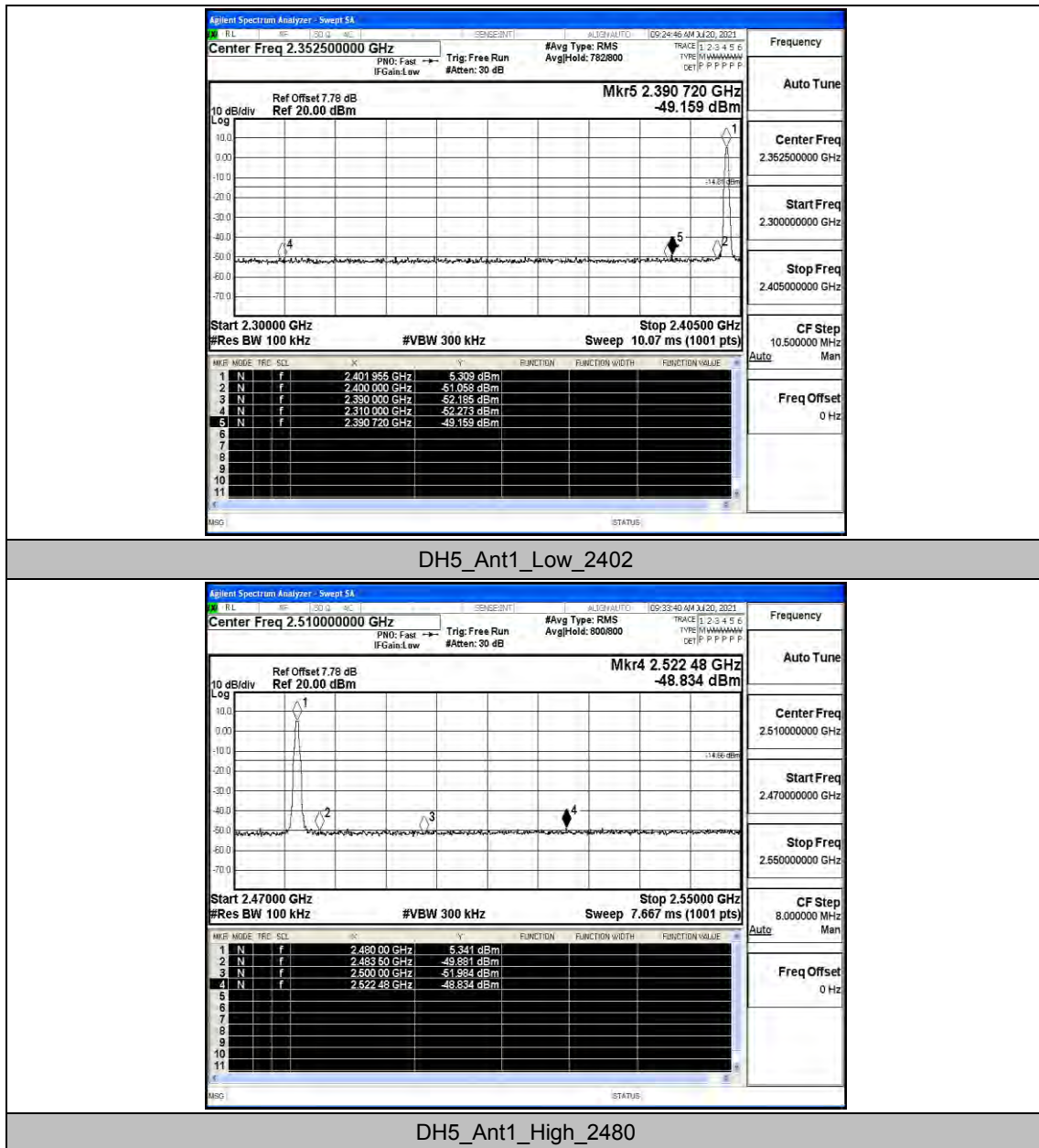
Appendix A.6: Band edge measurements

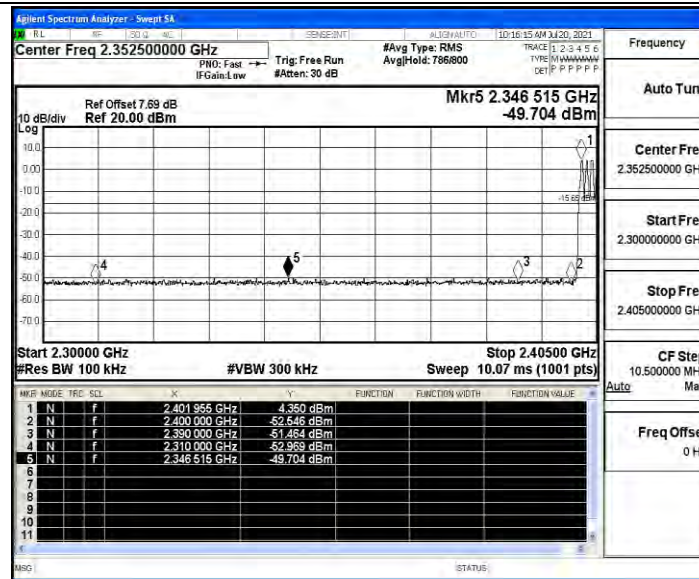
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.19	-49.16	≤ -14.81	PASS
		High	2480	5.34	-48.83	≤ -14.66	PASS
		Low	Hop_2402	4.35	-49.7	≤ -15.65	PASS
		High	Hop_2480	5.22	-48.73	≤ -14.78	PASS
2DH5	Ant1	Low	2402	4.11	-49.62	≤ -15.89	PASS
		High	2480	4.76	-48.25	≤ -15.24	PASS
		Low	Hop_2402	4.26	-49.49	≤ -15.74	PASS
		High	Hop_2480	4.62	-47.16	≤ -15.38	PASS
3DH5	Ant1	Low	2402	4.65	-49.1	≤ -15.35	PASS
		High	2480	3.82	-48.22	≤ -16.18	PASS
		Low	Hop_2402	2.42	-48.94	≤ -17.58	PASS
		High	Hop_2480	4.22	-48.46	≤ -15.78	PASS

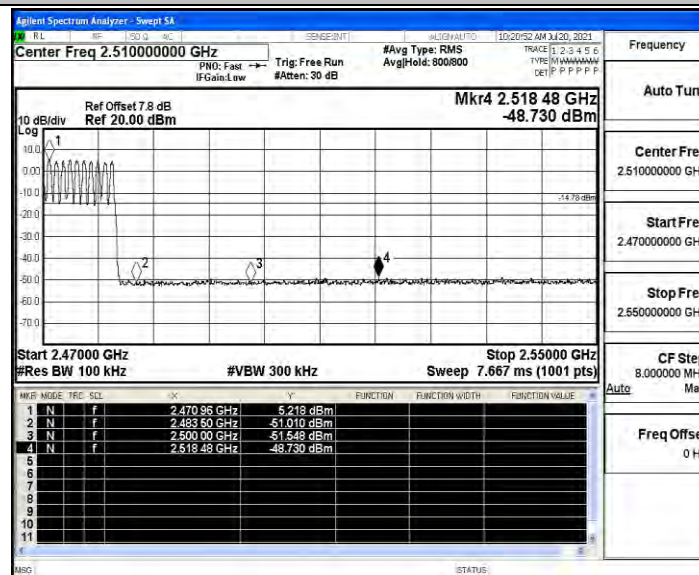


Test Graphs

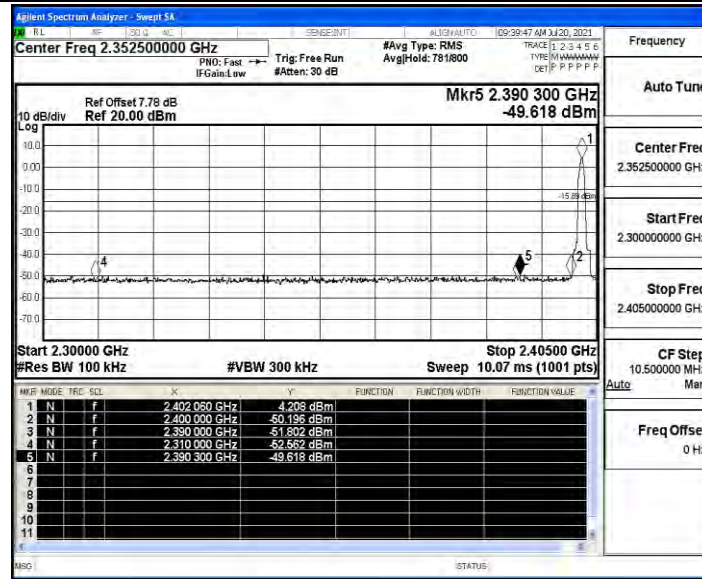




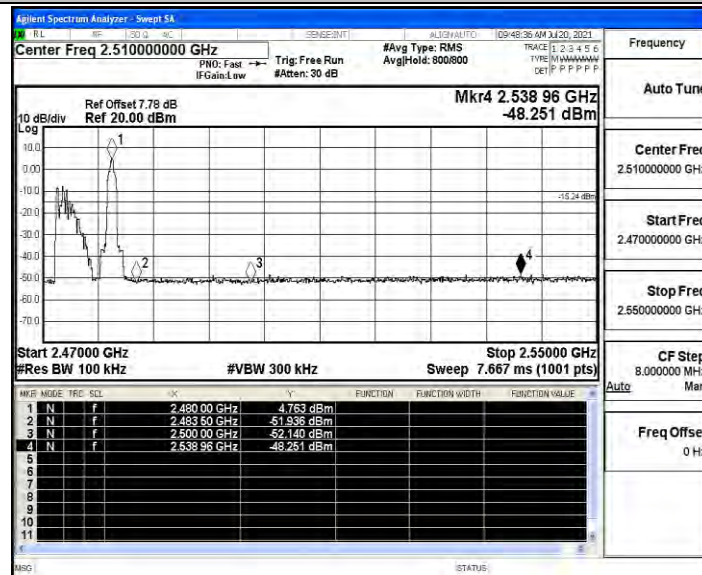
DH5_Ant1_Low_Hop_2402



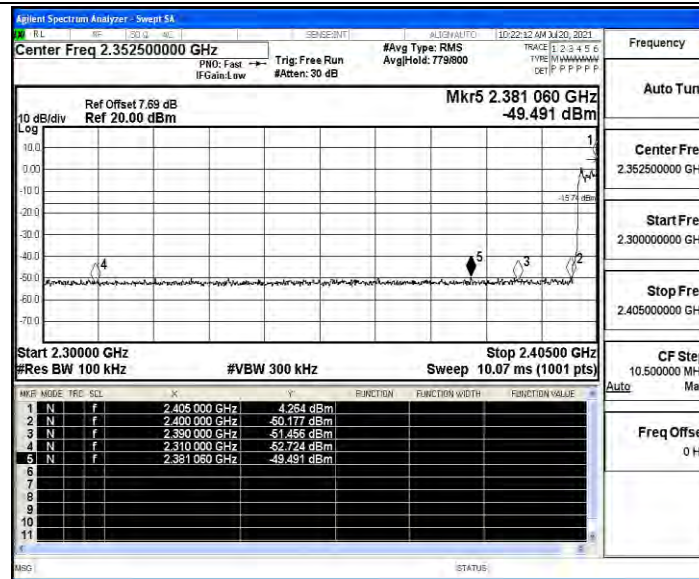
DH5_Ant1_High_Hop_2480



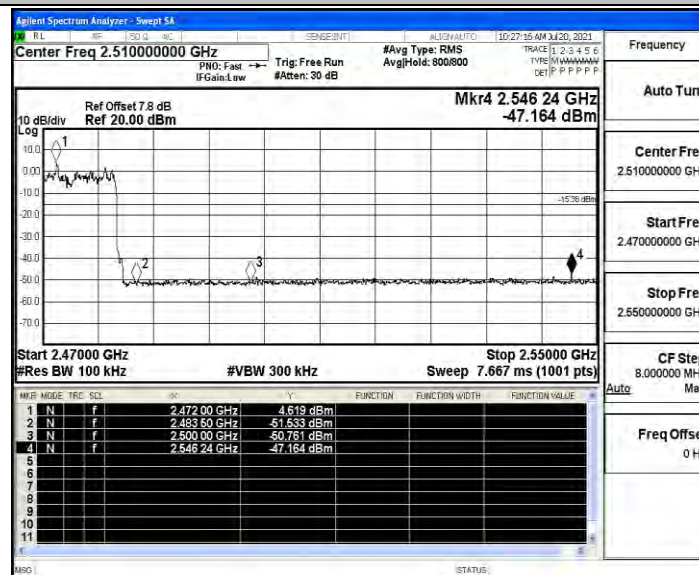
2DH5_Ant1_Low_2402



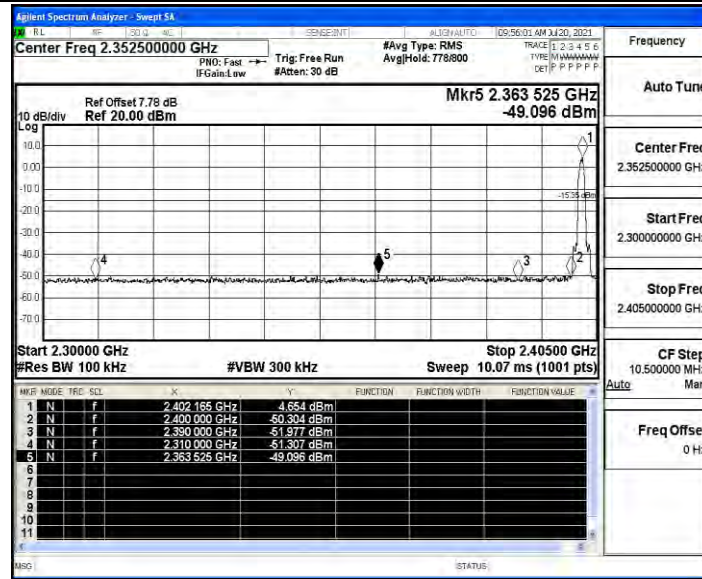
2DH5_Ant1_High_2480



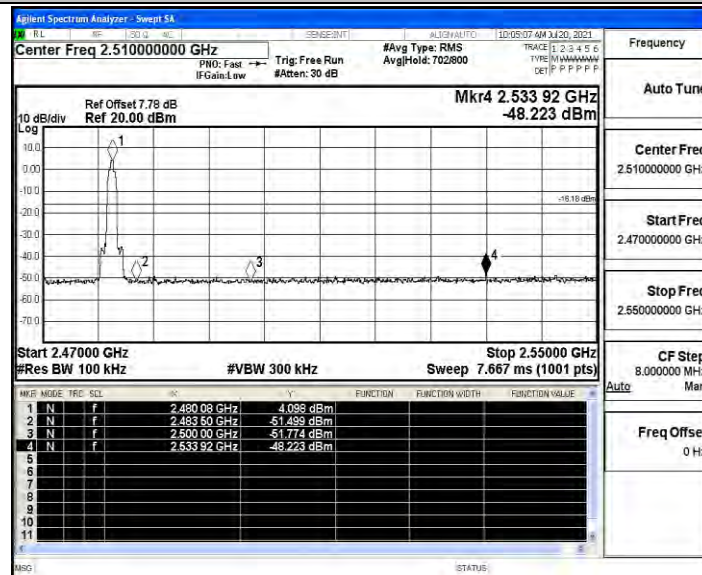
2DH5_Ant1_Low_Hop_2402



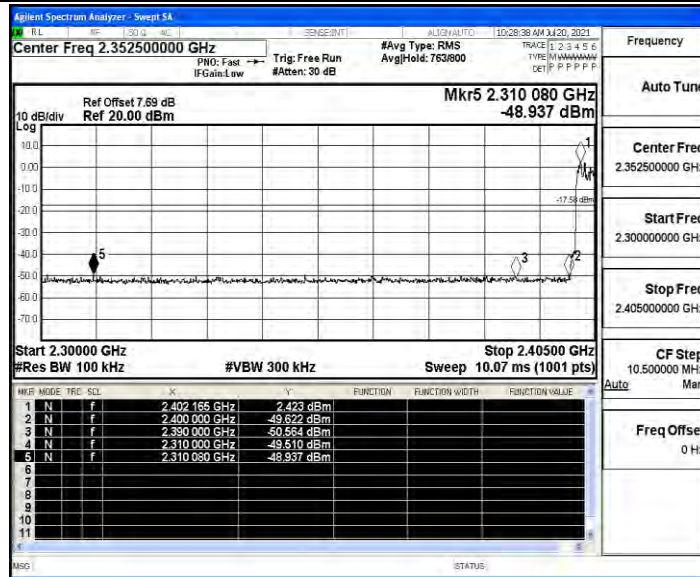
2DH5_Ant1_High_Hop_2480



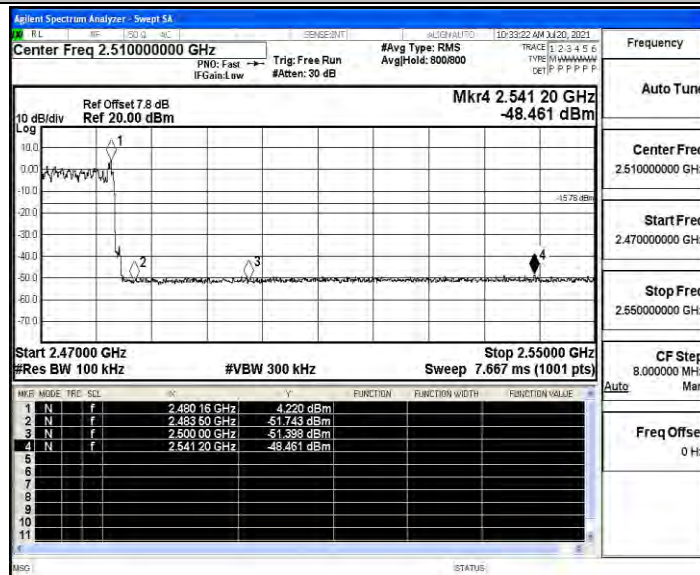
3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



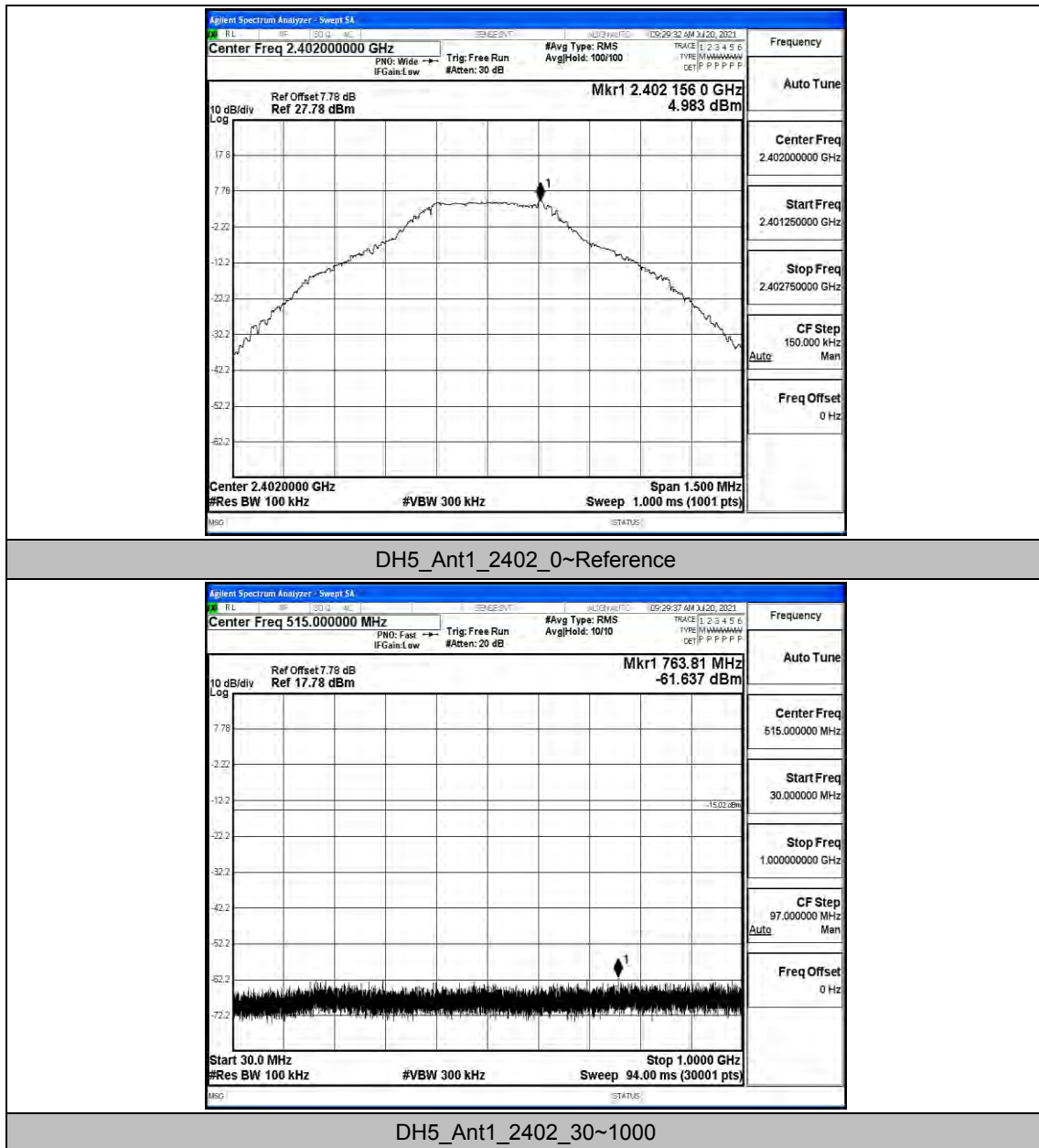
Appendix A.7: Conducted Spurious Emission

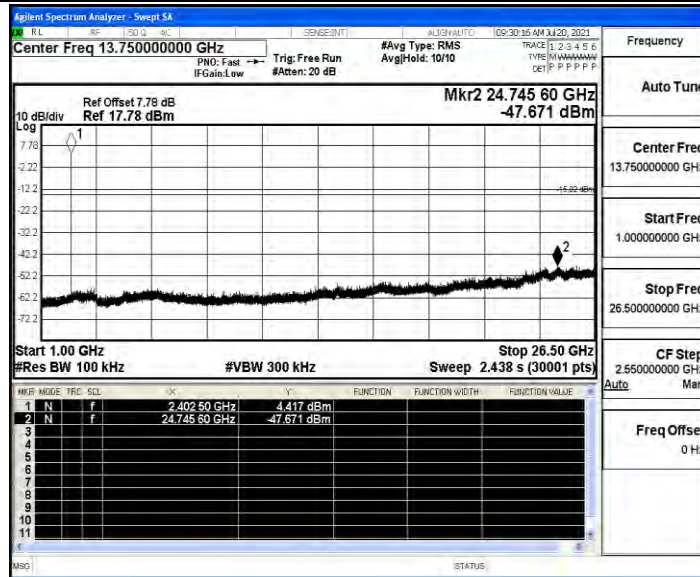
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.98	4.98	---	PASS
			30~1000	4.98	-61.64	≤-15.02	PASS
			1000~26500	4.98	-47.67	≤-15.02	PASS
		2441	Reference	5.49	5.49	---	PASS
			30~1000	5.49	-62.08	≤-14.51	PASS
			1000~26500	5.49	-46.52	≤-14.51	PASS
		2480	Reference	5.05	5.05	---	PASS
			30~1000	5.05	-61.52	≤-14.96	PASS
			1000~26500	5.05	-40.72	≤-14.96	PASS
2DH5	Ant1	2402	Reference	4.41	4.41	---	PASS
			30~1000	4.41	-61.3	≤-15.59	PASS
			1000~26500	4.41	-47.16	≤-15.59	PASS
		2441	Reference	4.88	4.88	---	PASS
			30~1000	4.88	-61.86	≤-15.12	PASS
			1000~26500	4.88	-47.19	≤-15.12	PASS
		2480	Reference	4.34	4.34	---	PASS
			30~1000	4.34	-61.4	≤-15.66	PASS
			1000~26500	4.34	-46.5	≤-15.66	PASS
3DH5	Ant1	2402	Reference	1.48	1.48	---	PASS
			30~1000	1.48	-61.88	≤-18.53	PASS
			1000~26500	1.48	-46.58	≤-18.53	PASS
		2441	Reference	5.14	5.14	---	PASS
			30~1000	5.14	-61.19	≤-14.86	PASS
			1000~26500	5.14	-46.93	≤-14.86	PASS
		2480	Reference	4.57	4.57	---	PASS
			30~1000	4.57	-61.49	≤-15.43	PASS
			1000~26500	4.57	-47.77	≤-15.43	PASS

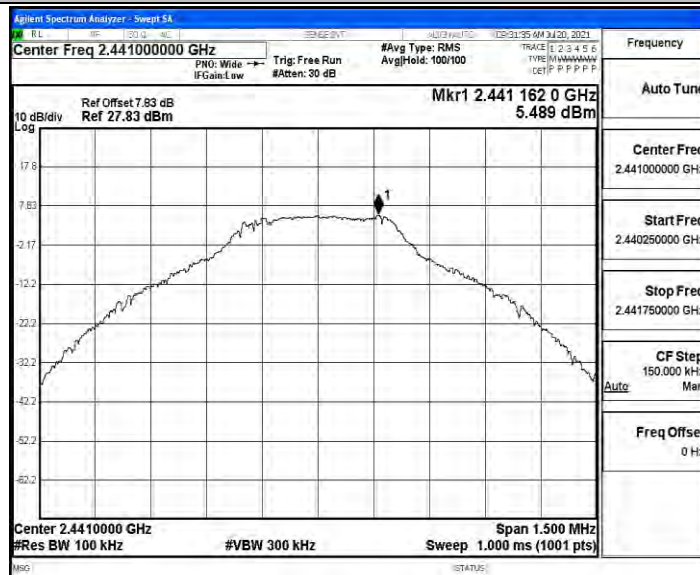


Test Graphs

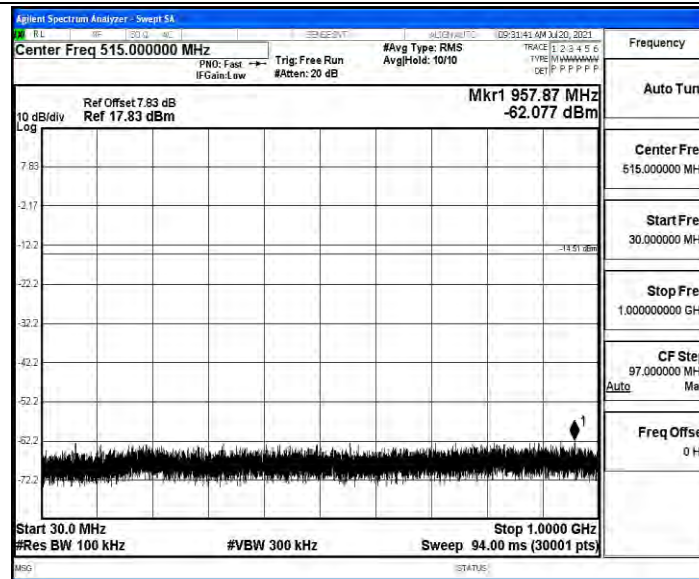




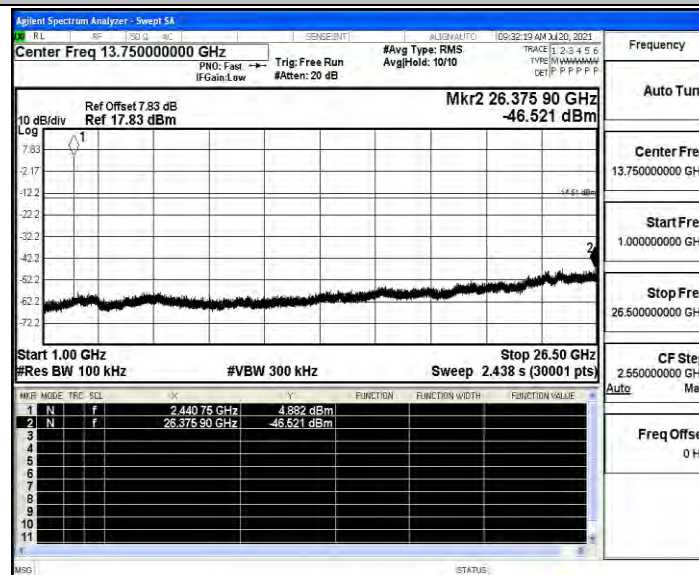
DH5_Ant1_2402_1000~26500



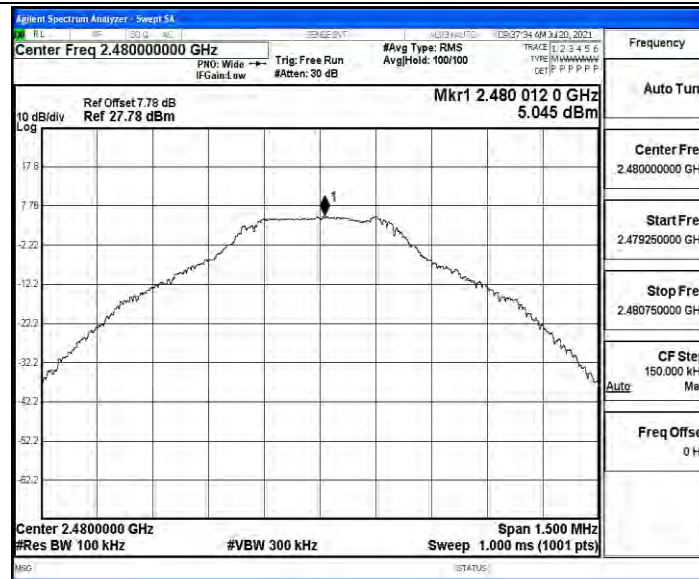
DH5_Ant1_2441_0~Reference



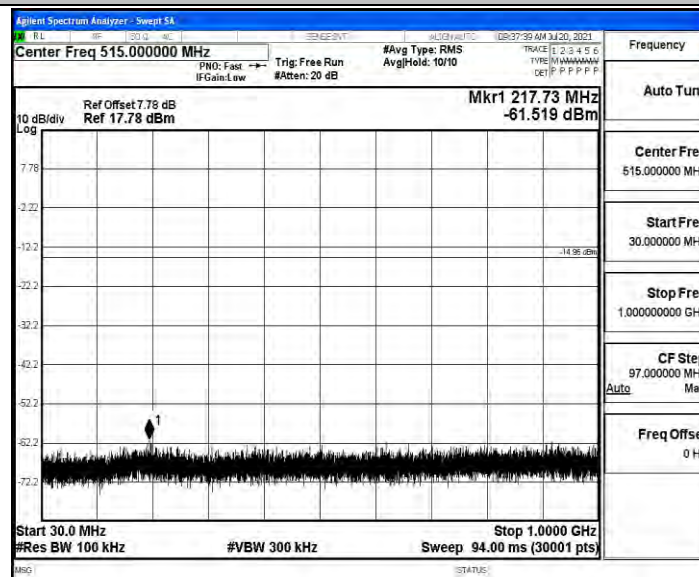
DH5_Ant1_2441_30~1000



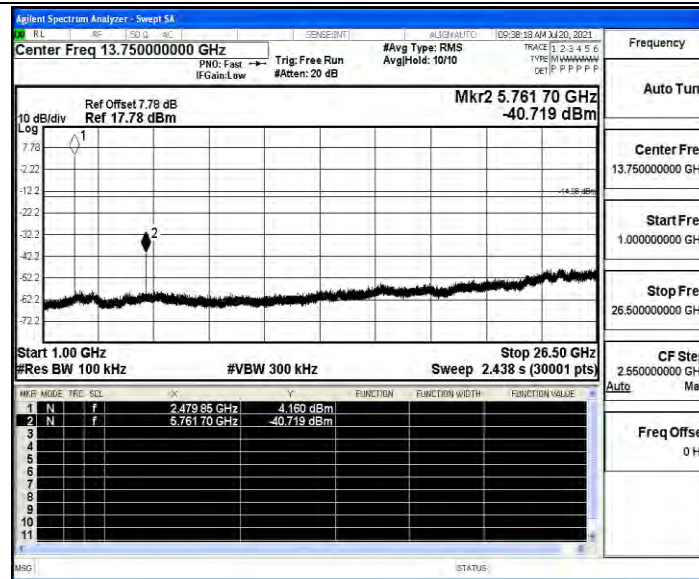
DH5_Ant1_2441_1000~26500



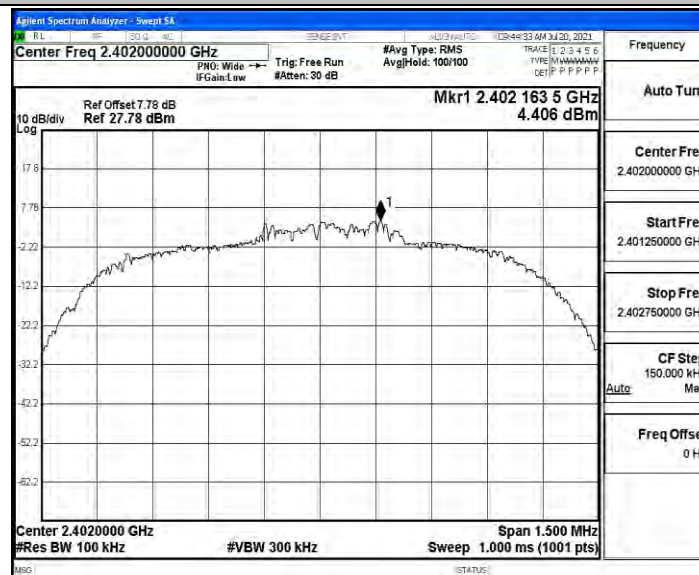
DH5_Ant1_2480_0~Reference



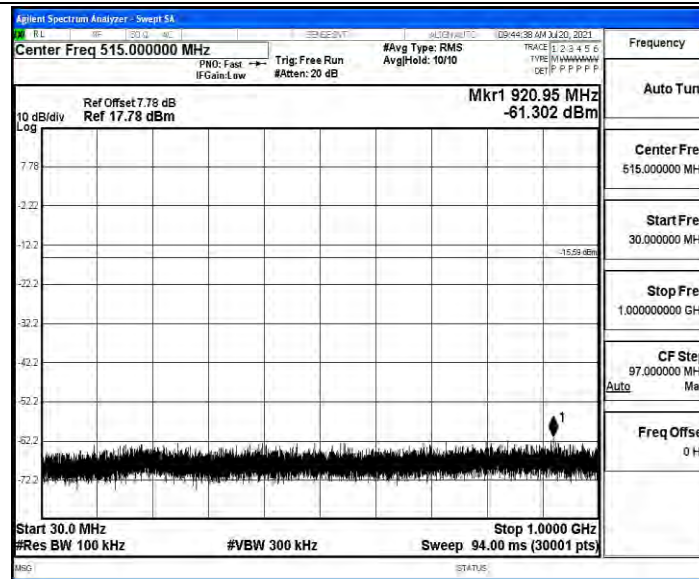
DH5_Ant1_2480_30~1000



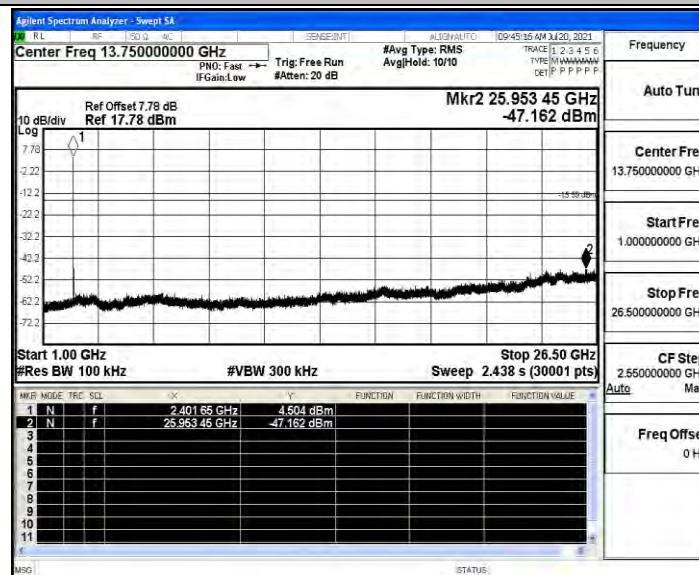
DH5_Ant1_2480_1000~26500



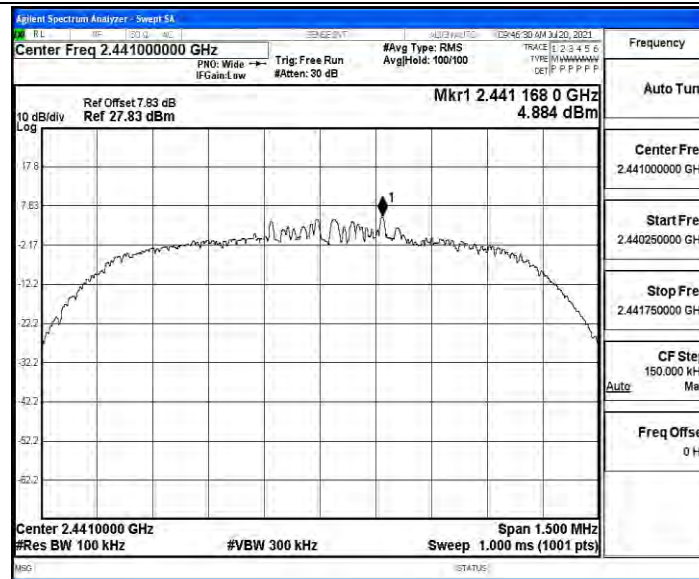
2DH5_Ant1_2402_0~Reference



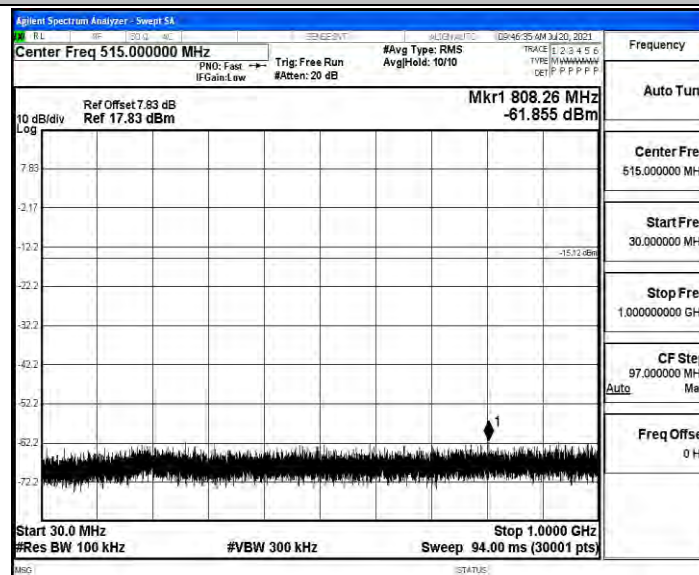
2DH5_Ant1_2402_30~1000



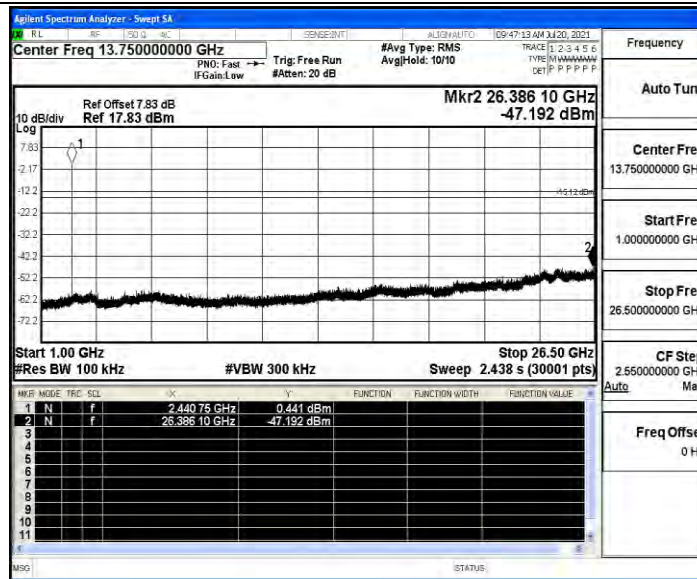
2DH5_Ant1_2402_1000~26500



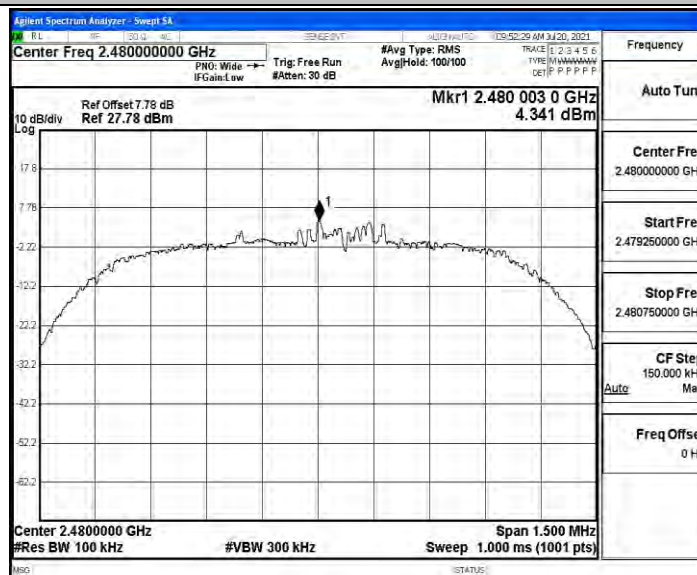
2DH5_Ant1_2441_0~Reference



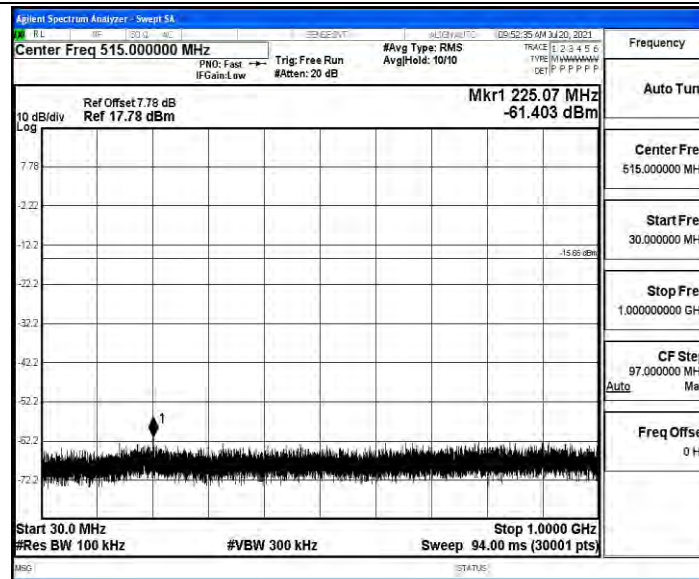
2DH5_Ant1_2441_30~1000



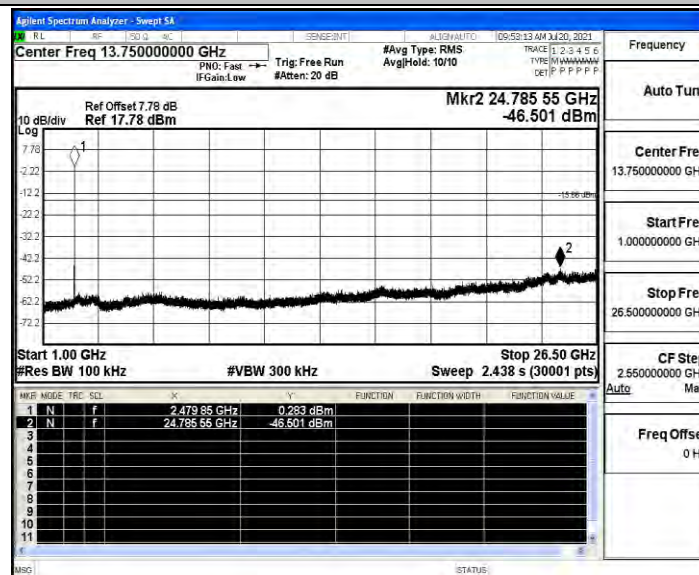
2DH5_Ant1_2441_1000~26500



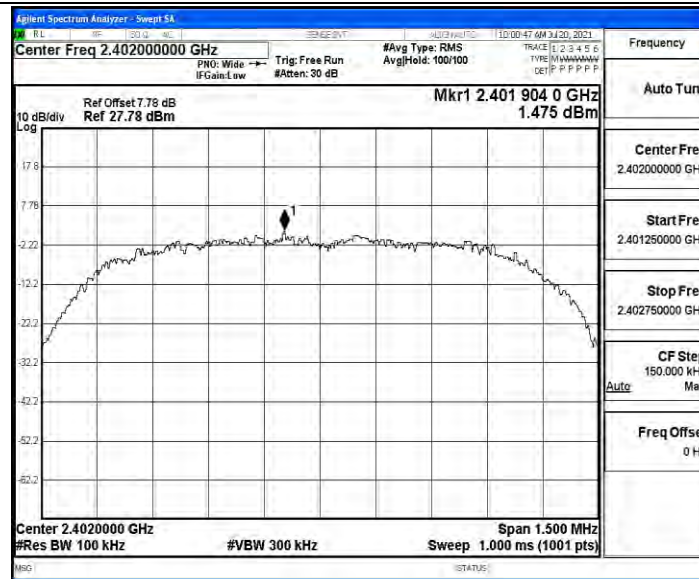
2DH5_Ant1_2480_0~Reference



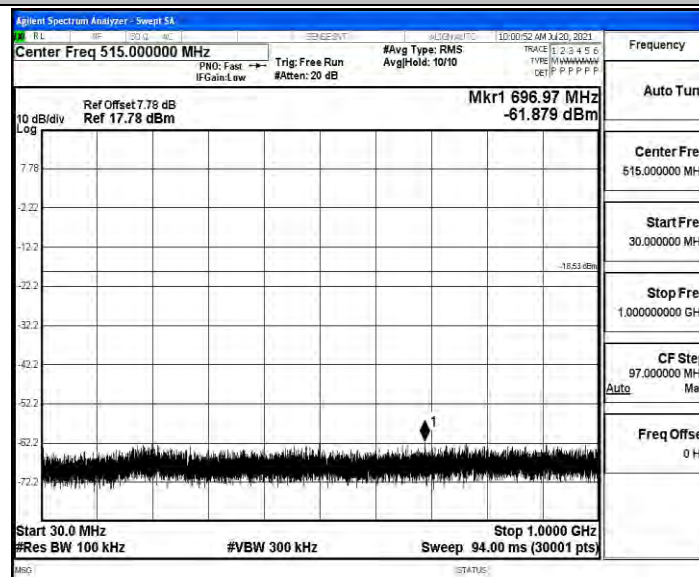
2DH5_Ant1_2480_30~1000



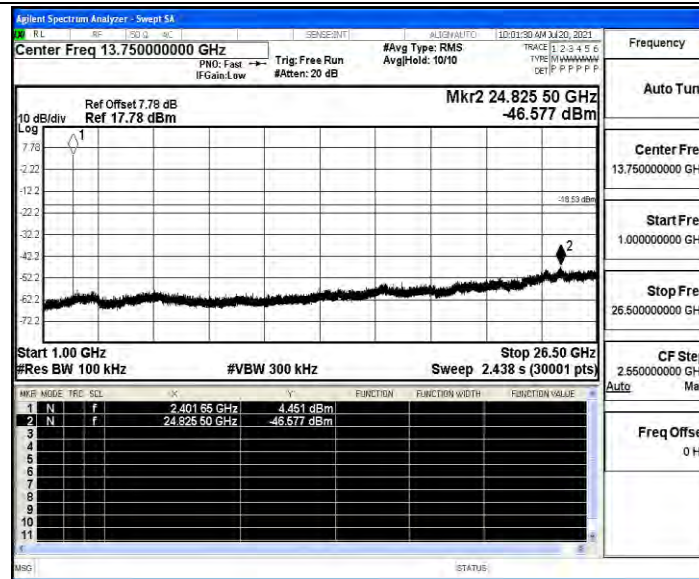
2DH5_Ant1_2480_1000~26500



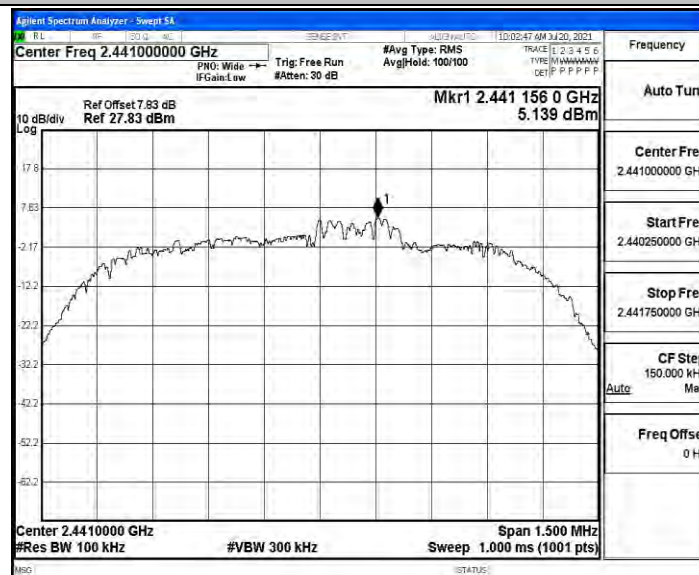
3DH5_Ant1_2402_0~Reference



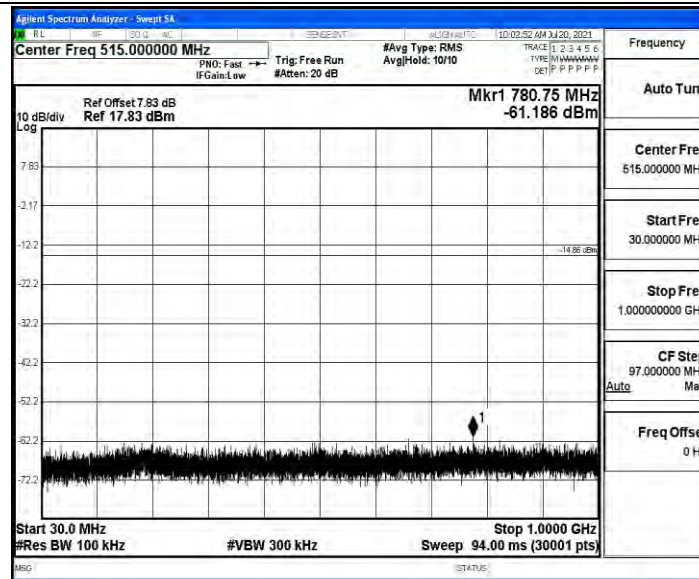
3DH5_Ant1_2402_30~1000



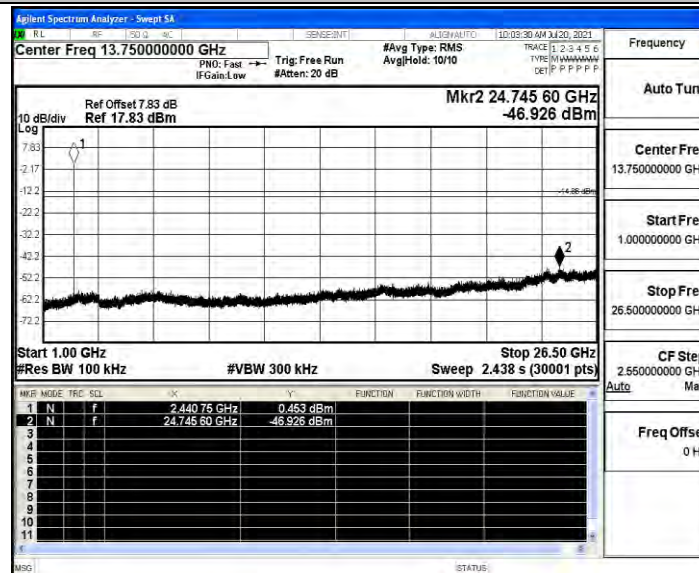
3DH5_Ant1_2402_1000~26500



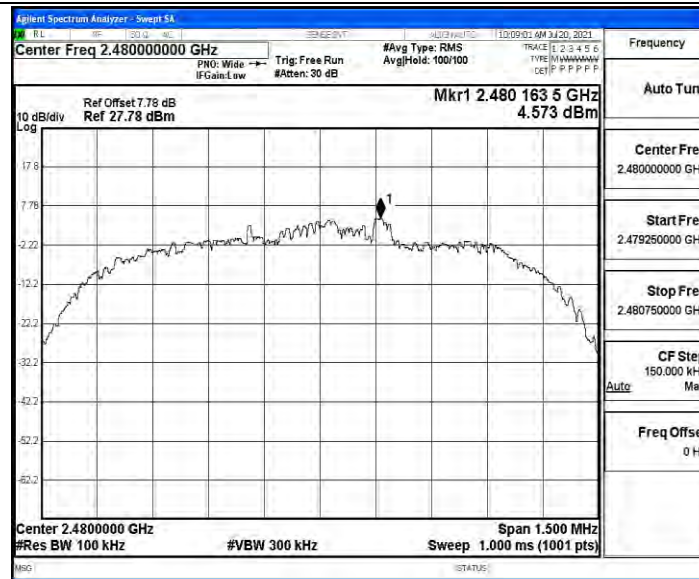
3DH5_Ant1_2441_0~Reference



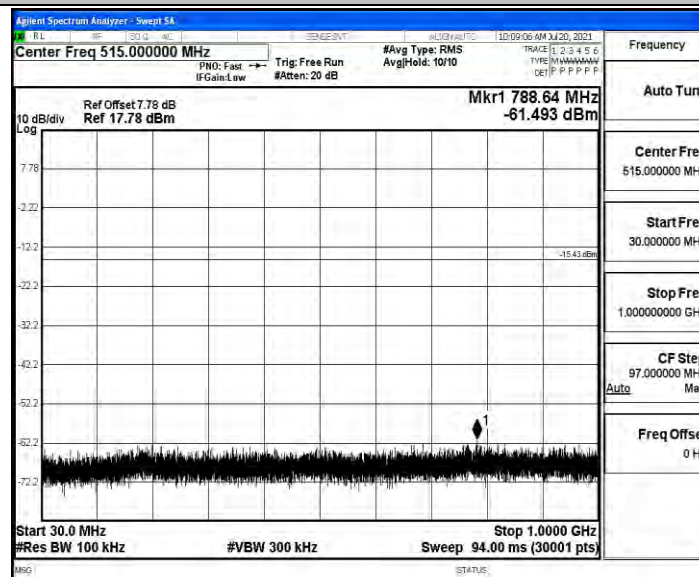
3DH5_Ant1_2441_30~1000



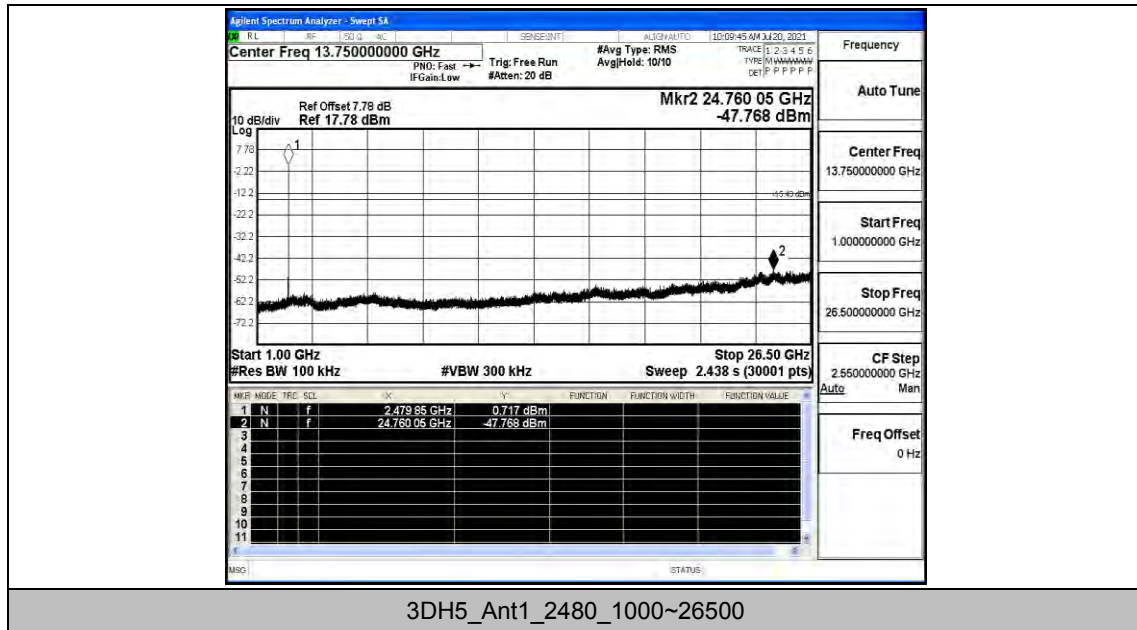
3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000





Appendix 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	-48.97	≤-41.20	48.26	≤54	PASS
				AV	2386.520	-48.47	≤-41.20	48.76	≤54	PASS
				AV	2390.000	-48.6	≤-41.20	48.63	≤54	PASS
				Peak	2310.000	-41.72	≤-21.20	55.51	≤74	PASS
				Peak	2387.360	-38.05	≤-21.20	59.18	≤74	PASS
				Peak	2390.000	-40.27	≤-21.20	56.96	≤74	PASS
		High	2480	AV	2483.500	-47.32	≤-41.20	49.91	≤54	PASS
				AV	2483.520	-47.32	≤-41.20	49.91	≤54	PASS
				AV	2500.000	-47.91	≤-41.20	49.32	≤54	PASS
				Peak	2483.500	-40.45	≤-21.20	56.78	≤74	PASS
				Peak	2491.280	-37.52	≤-21.20	59.71	≤74	PASS
				Peak	2500.000	-39.76	≤-21.20	57.47	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-41.9	≤-21.20	55.33	≤74	PASS
				Peak	2345.465	-38.47	≤-21.20	58.76	≤74	PASS
				Peak	2390.000	-39.77	≤-21.20	57.46	≤74	PASS
		High	Hop_2480	Peak	2483.500	-39.42	≤-21.20	57.81	≤74	PASS
				Peak	2494.480	-37.72	≤-21.20	59.51	≤74	PASS
				Peak	2500.000	-39.47	≤-21.20	57.76	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-48.94	≤-41.20	48.29	≤54	PASS
				AV	2383.580	-48.39	≤-41.20	48.84	≤54	PASS
				AV	2390.000	-48.56	≤-41.20	48.67	≤54	PASS
				Peak	2310.000	-41.24	≤-21.20	55.99	≤74	PASS
				Peak	2383.790	-37.5	≤-21.20	59.73	≤74	PASS
				Peak	2390.000	-39.37	≤-21.20	57.86	≤74	PASS
		High	2480	AV	2483.500	-47.13	≤-41.20	50.1	≤54	PASS
				AV	2483.520	-47.12	≤-41.20	50.11	≤54	PASS
				AV	2500.000	-47.96	≤-41.20	49.27	≤54	PASS
				Peak	2483.500	-39.19	≤-21.20	58.04	≤74	PASS
				Peak	2498.720	-37.47	≤-21.20	59.76	≤74	PASS
				Peak	2500.000	-39.72	≤-21.20	57.51	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-40.76	≤-21.20	56.47	≤74	PASS
				Peak	2370.140	-38.82	≤-21.20	58.41	≤74	PASS
				Peak	2390.000	-39.22	≤-21.20	58.01	≤74	PASS
		High	Hop_2480	Peak	2483.500	-40.02	≤-21.20	57.21	≤74	PASS
				Peak	2498.960	-37.51	≤-21.20	59.72	≤74	PASS
				Peak	2500.000	-40.45	≤-21.20	56.78	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-48.87	≤-41.20	48.36	≤54	PASS



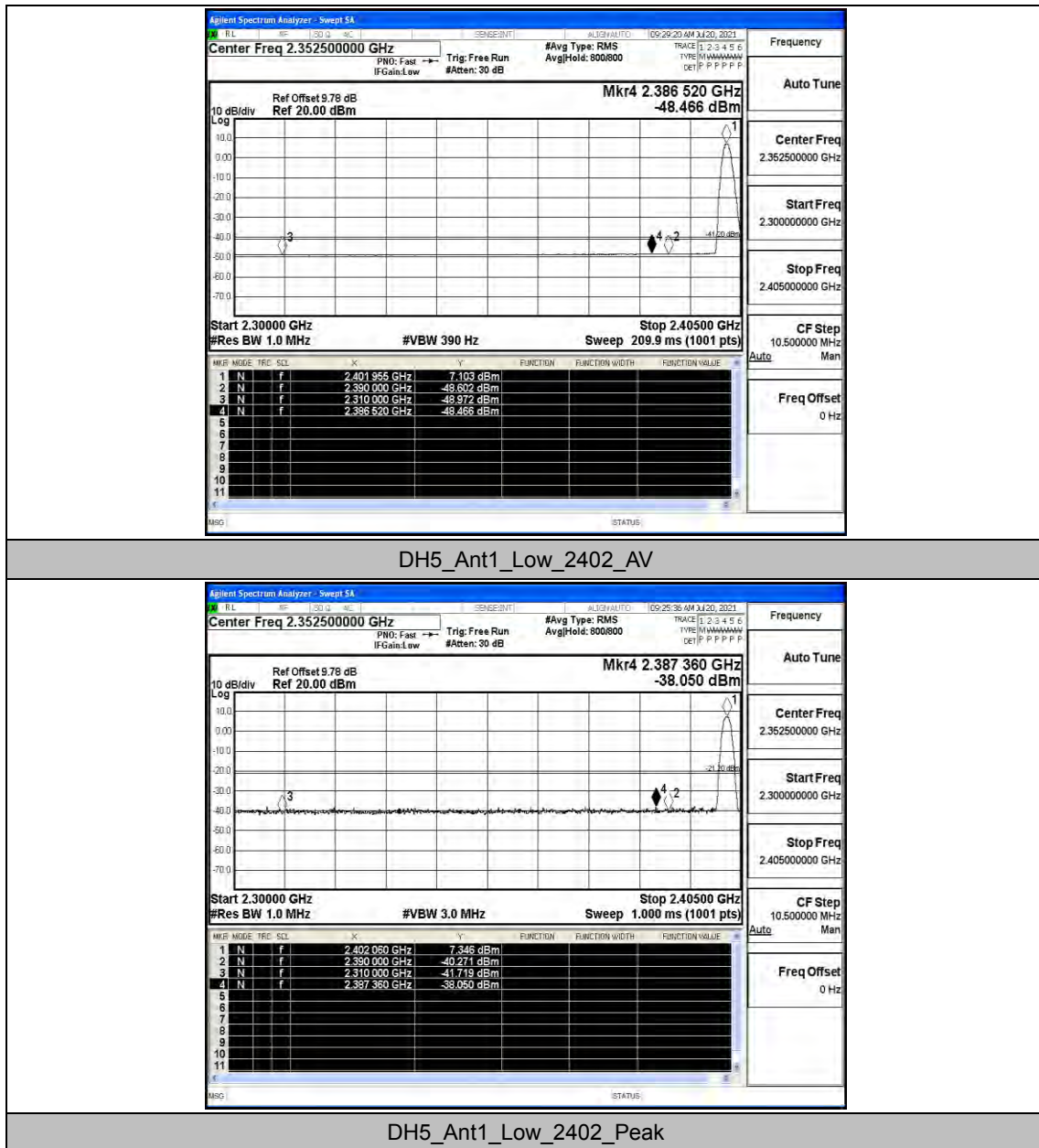
				AV	2386.940	-48.34	≤ -41.20	48.89	≤ 54	PASS
				AV	2390.000	-48.54	≤ -41.20	48.69	≤ 54	PASS
				Peak	2310.000	-40.99	≤ -21.20	56.24	≤ 74	PASS
				Peak	2382.110	-37.77	≤ -21.20	59.46	≤ 74	PASS
				Peak	2390.000	-39.2	≤ -21.20	58.03	≤ 74	PASS
		High	2480	AV	2483.500	-47.15	≤ -41.20	50.08	≤ 54	PASS
				AV	2483.520	-47.14	≤ -41.20	50.09	≤ 54	PASS
				AV	2500.000	-48.15	≤ -41.20	49.08	≤ 54	PASS
				Peak	2483.500	-39.61	≤ -21.20	57.62	≤ 74	PASS
				Peak	2485.920	-37.42	≤ -21.20	59.81	≤ 74	PASS
				Peak	2500.000	-38.94	≤ -21.20	58.29	≤ 74	PASS
		Low	Hop_2402	Peak	2310.000	-41.19	≤ -21.20	56.04	≤ 74	PASS
				Peak	2385.155	-38.44	≤ -21.20	58.79	≤ 74	PASS
				Peak	2390.000	-40.68	≤ -21.20	56.55	≤ 74	PASS
		High	Hop_2480	Peak	2483.500	-39.85	≤ -21.20	57.38	≤ 74	PASS
				Peak	2496.240	-37.62	≤ -21.20	59.61	≤ 74	PASS
				Peak	2500.000	-40.54	≤ -21.20	56.69	≤ 74	PASS

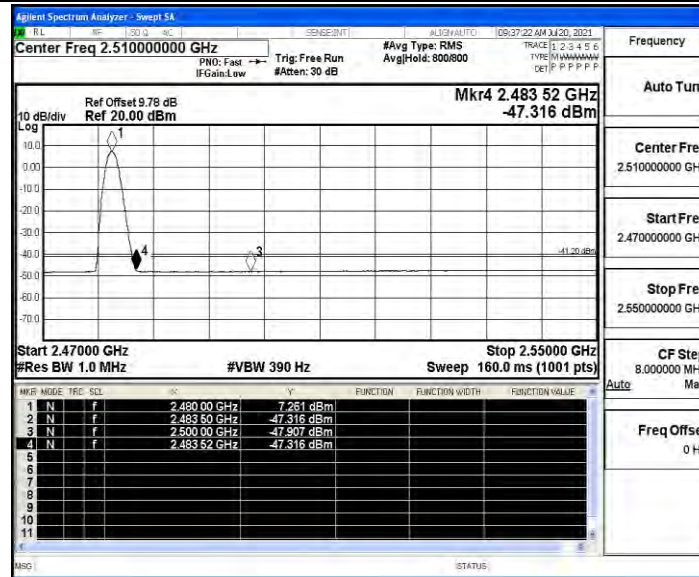
Note:

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.

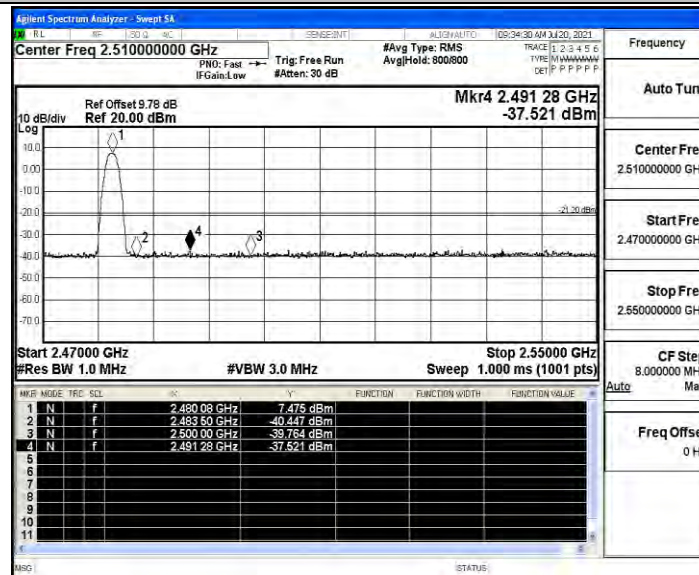


Test Graphs

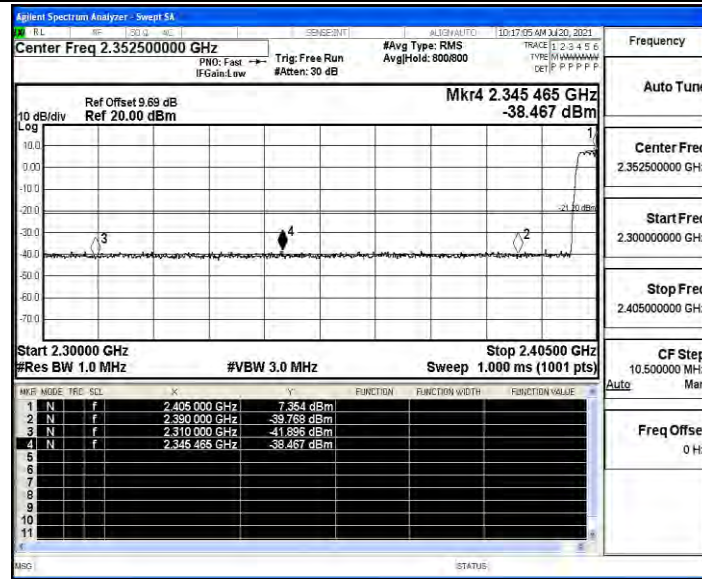




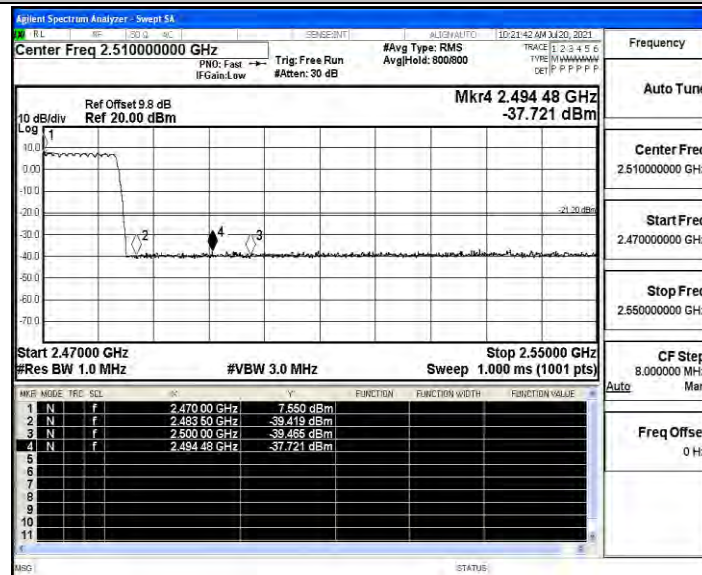
DH5_Ant1_High_2480_AV



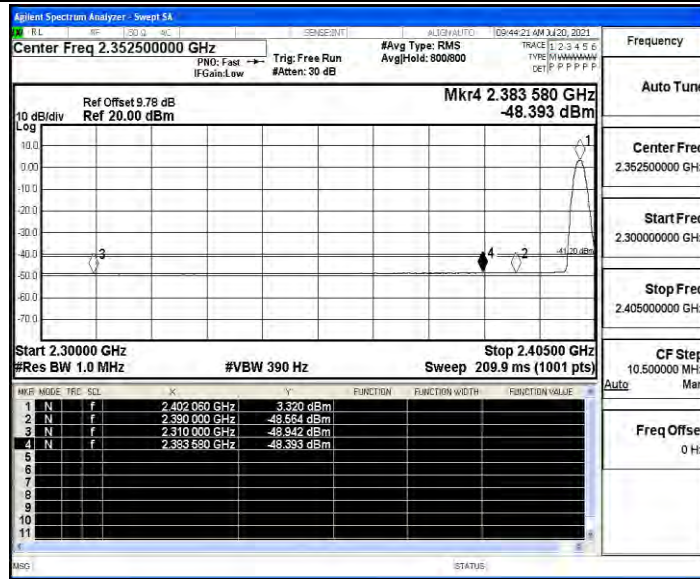
DH5_Ant1_High_2480_Peak



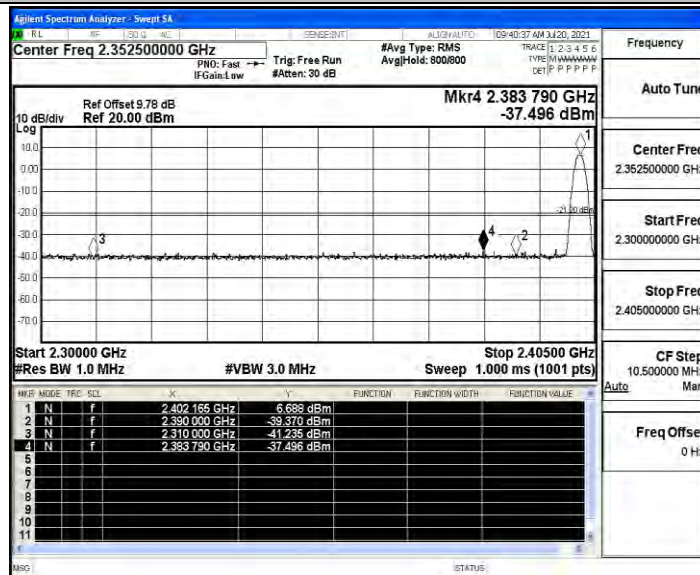
DH5_Ant1_Low_Hop_2402_Peak



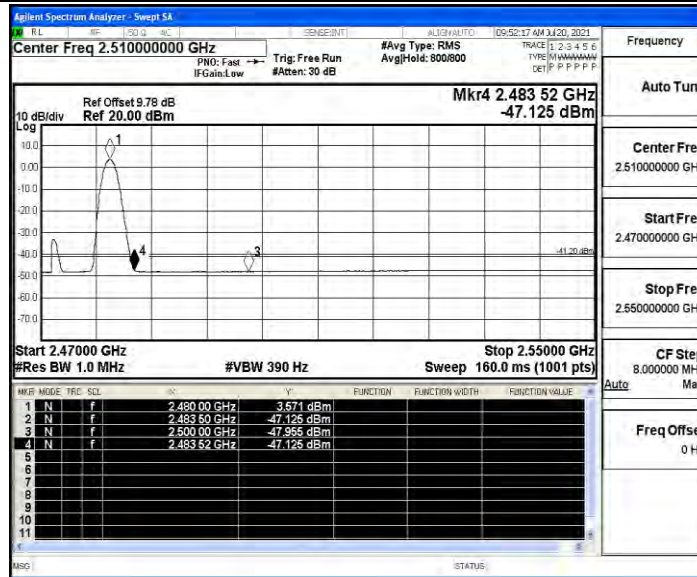
DH5_Ant1_High_Hop_2480_Peak



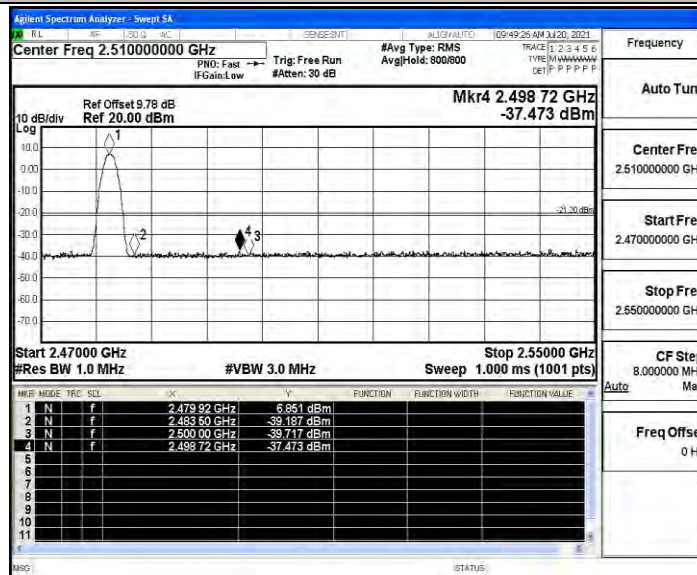
2DH5_Ant1_Low_2402_AV



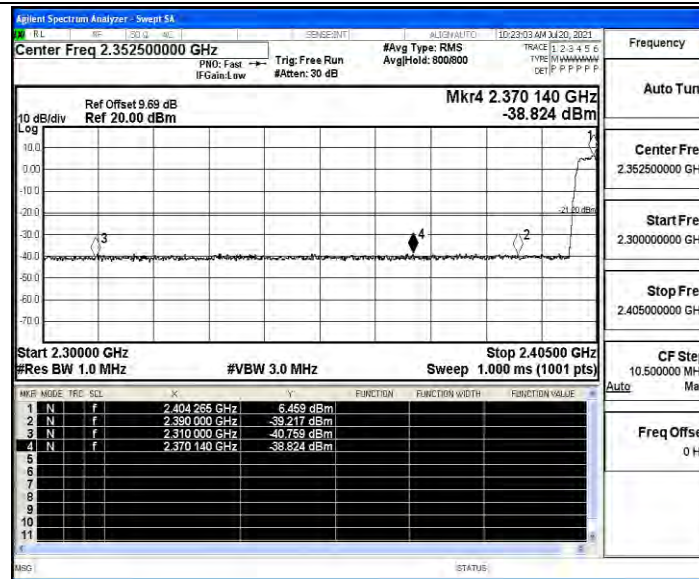
2DH5_Ant1_Low_2402_Peak



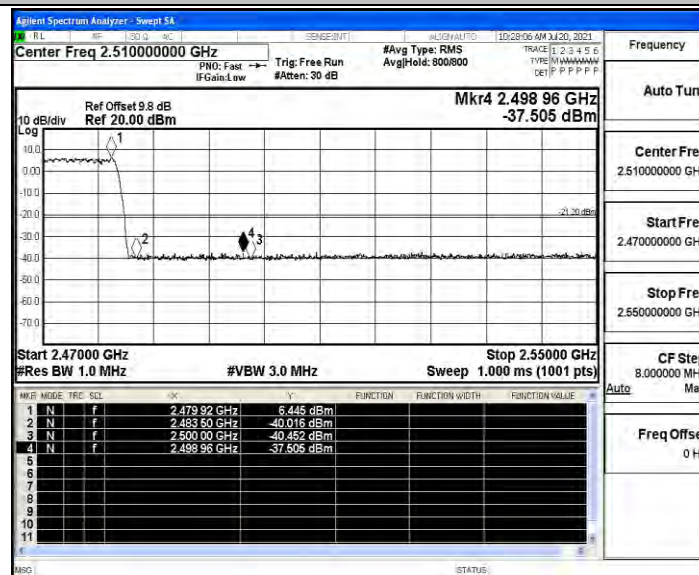
2DH5_Ant1_High_2480_AV



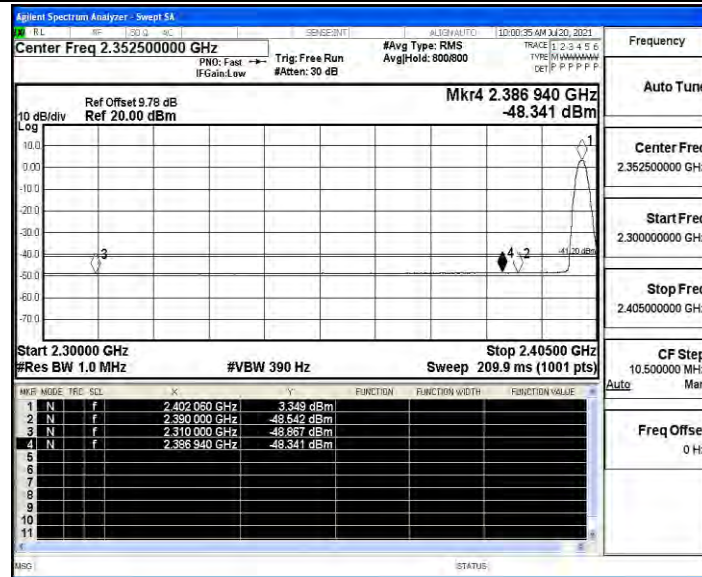
2DH5_Ant1_High_2480_Peak



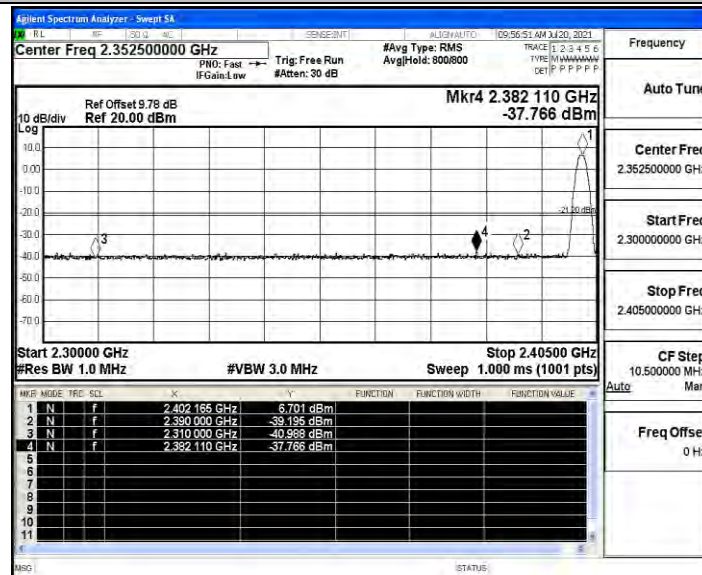
2DH5_Ant1_Low_Hop_2402_Peak



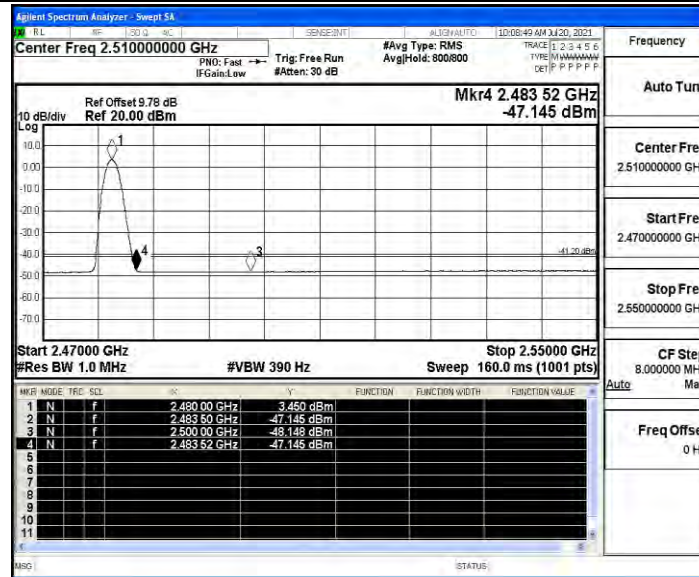
2DH5_Ant1_High_Hop_2480_Peak



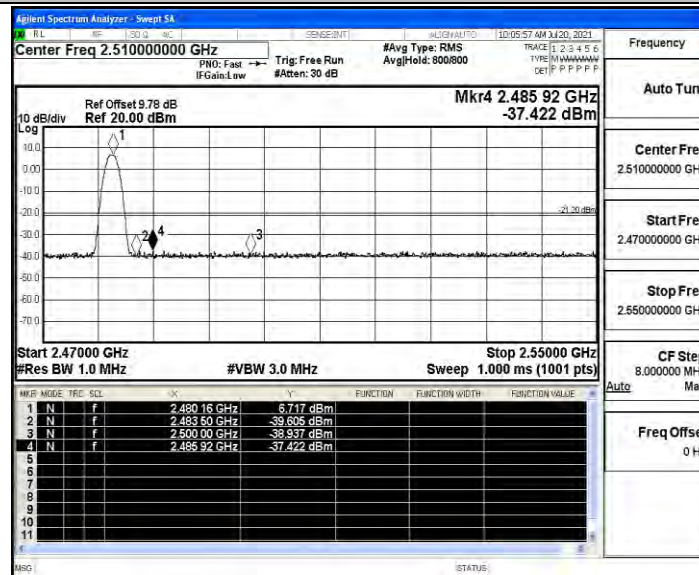
3DH5_Ant1_Low_2402_AV



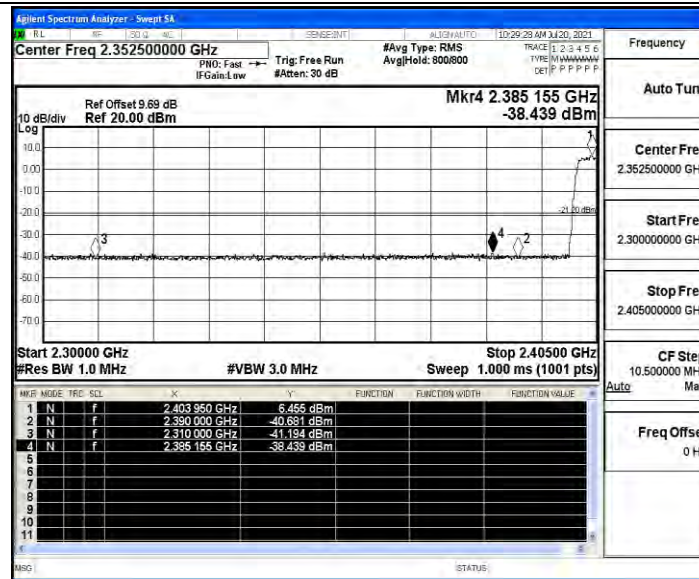
3DH5_Ant1_Low_2402_Peak



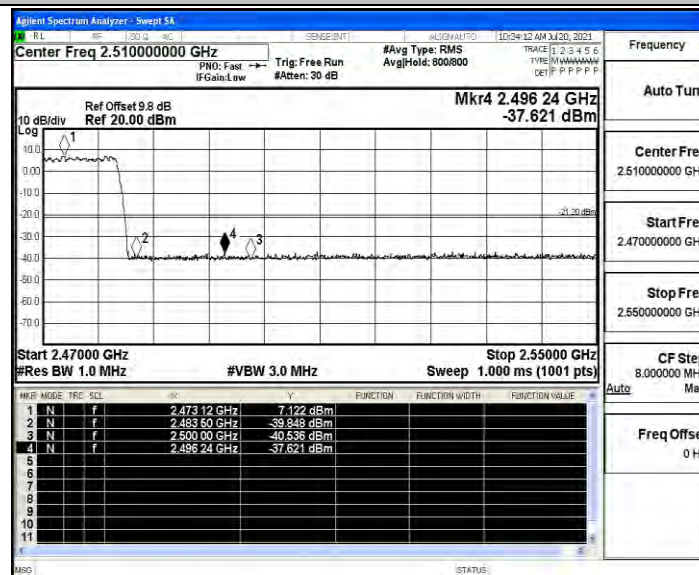
3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak



3DH5_Ant1_Low_Hop_2402_Peak



3DH5_Ant1_High_Hop_2480_Peak