

10 APPENDIX

Appendix1

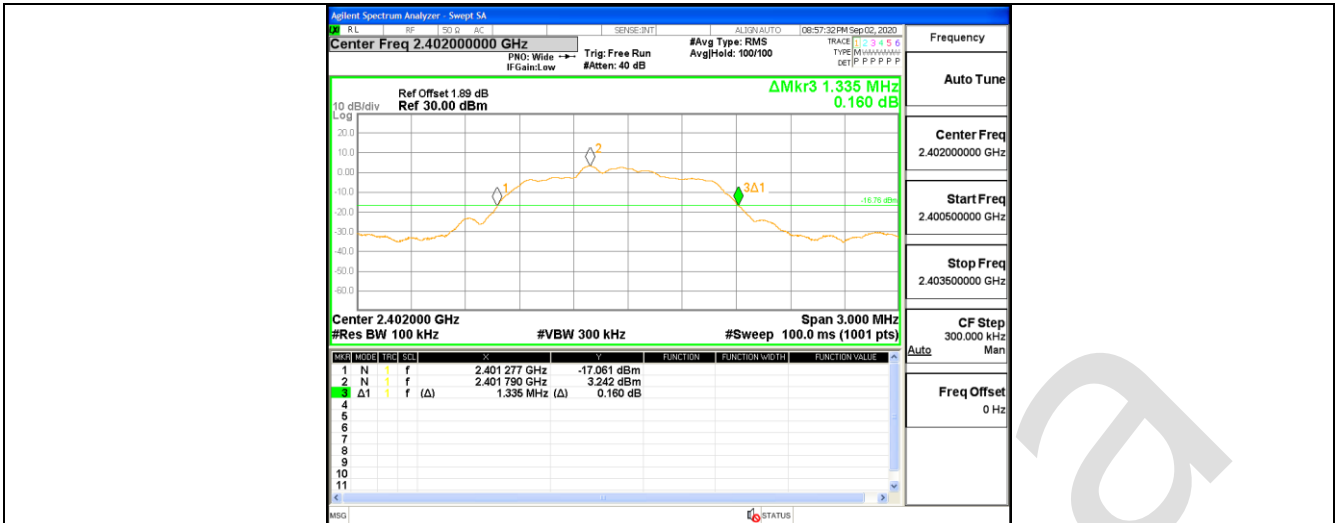
10.1 APPENDIX: 20DBEMISSION BANDWIDTH

Test Result

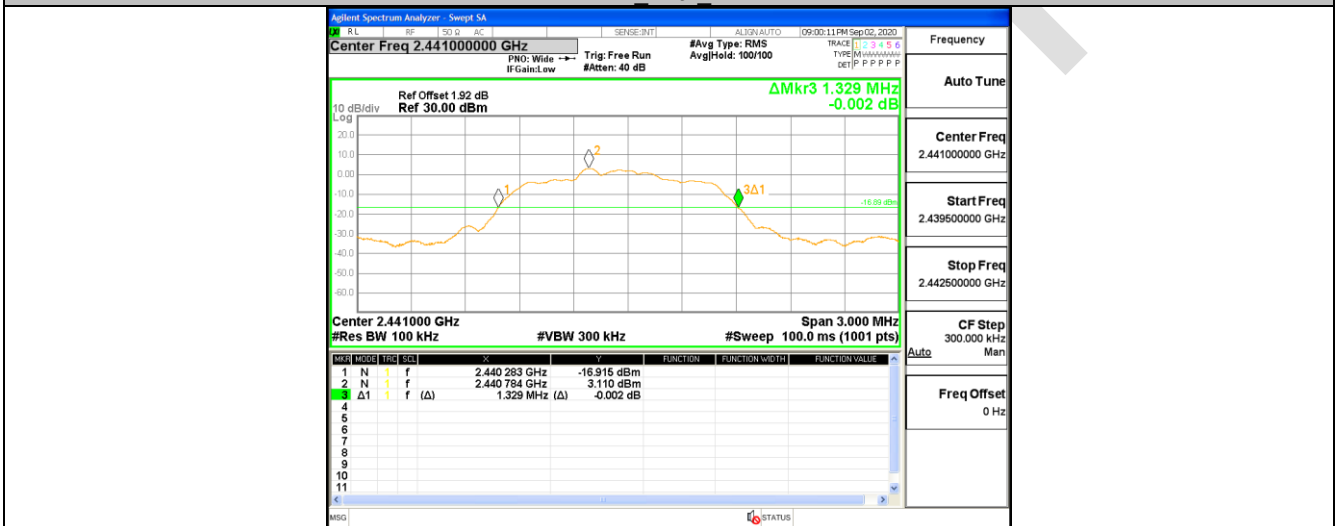
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.125	2401.397	2402.522	---	PASS
		2441	1.116	2440.397	2441.513	---	PASS
		2480	1.113	2479.397	2480.510	---	PASS
2DH1	Ant1	2402	1.335	2401.277	2402.612	---	PASS
		2441	1.329	2440.283	2441.612	---	PASS
		2480	1.335	2479.280	2480.615	---	PASS
3DH1	Ant1	2402	1.326	2401.298	2402.624	---	PASS
		2441	1.323	2440.298	2441.621	---	PASS
		2480	1.326	2479.298	2480.624	---	PASS

Test Graphs

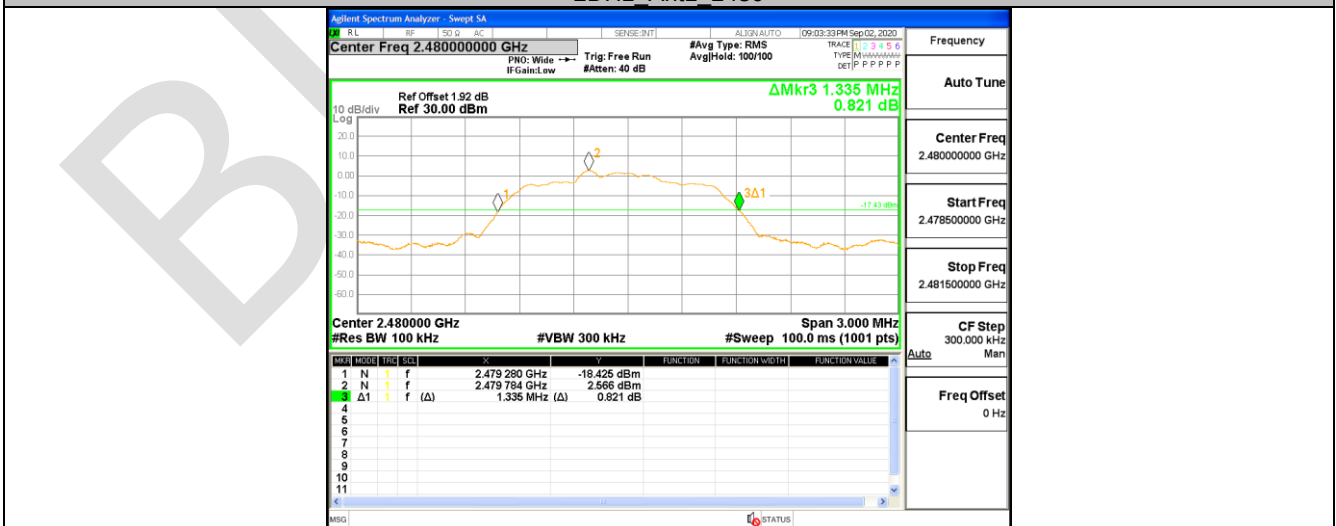




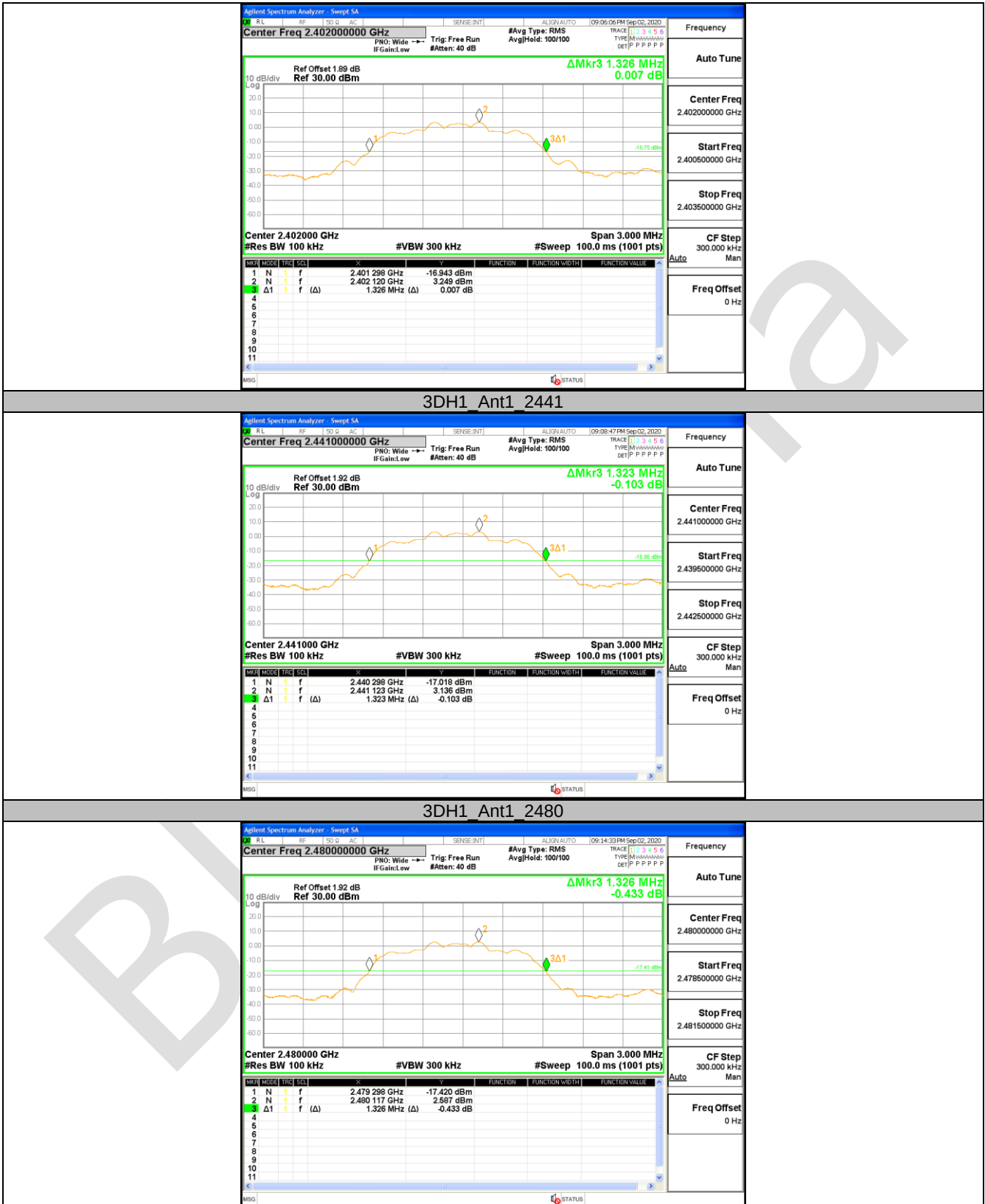
2DH1 Ant1 2441



2DH1 Ant1 2480



3DH1 Ant1 2402

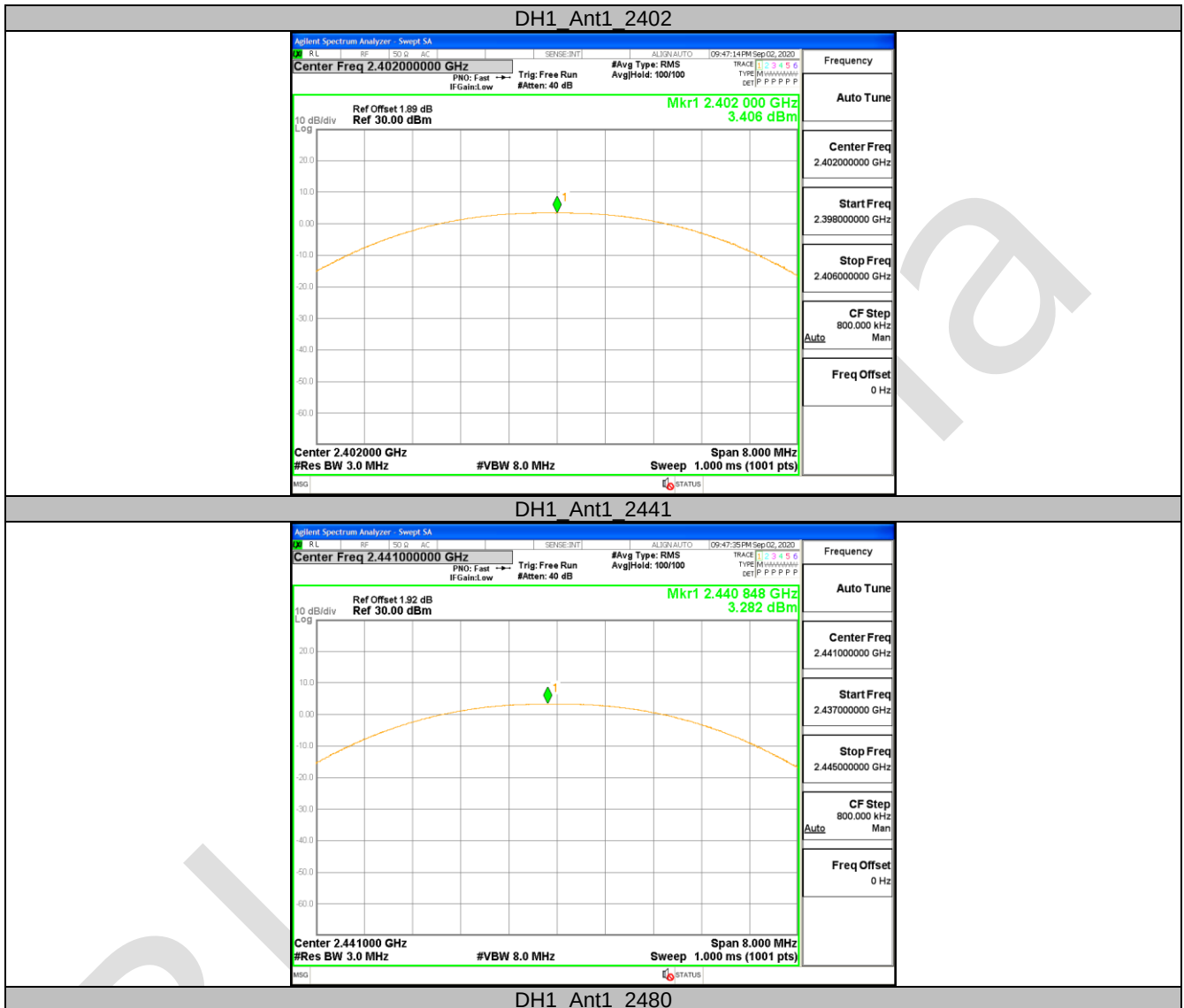


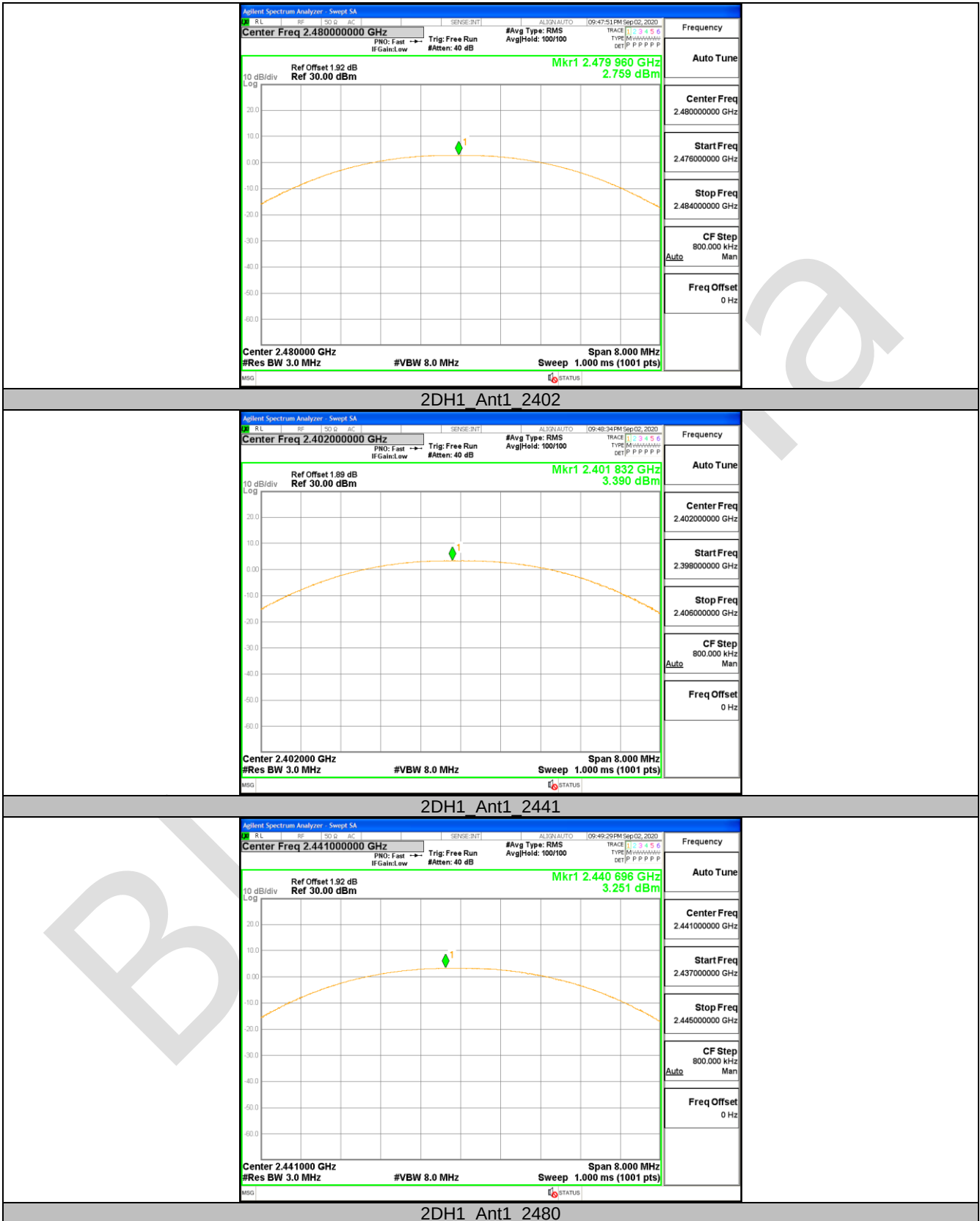
10.2 APPENDIX: MAXIMUM CONDUCTED OUTPUT POWER

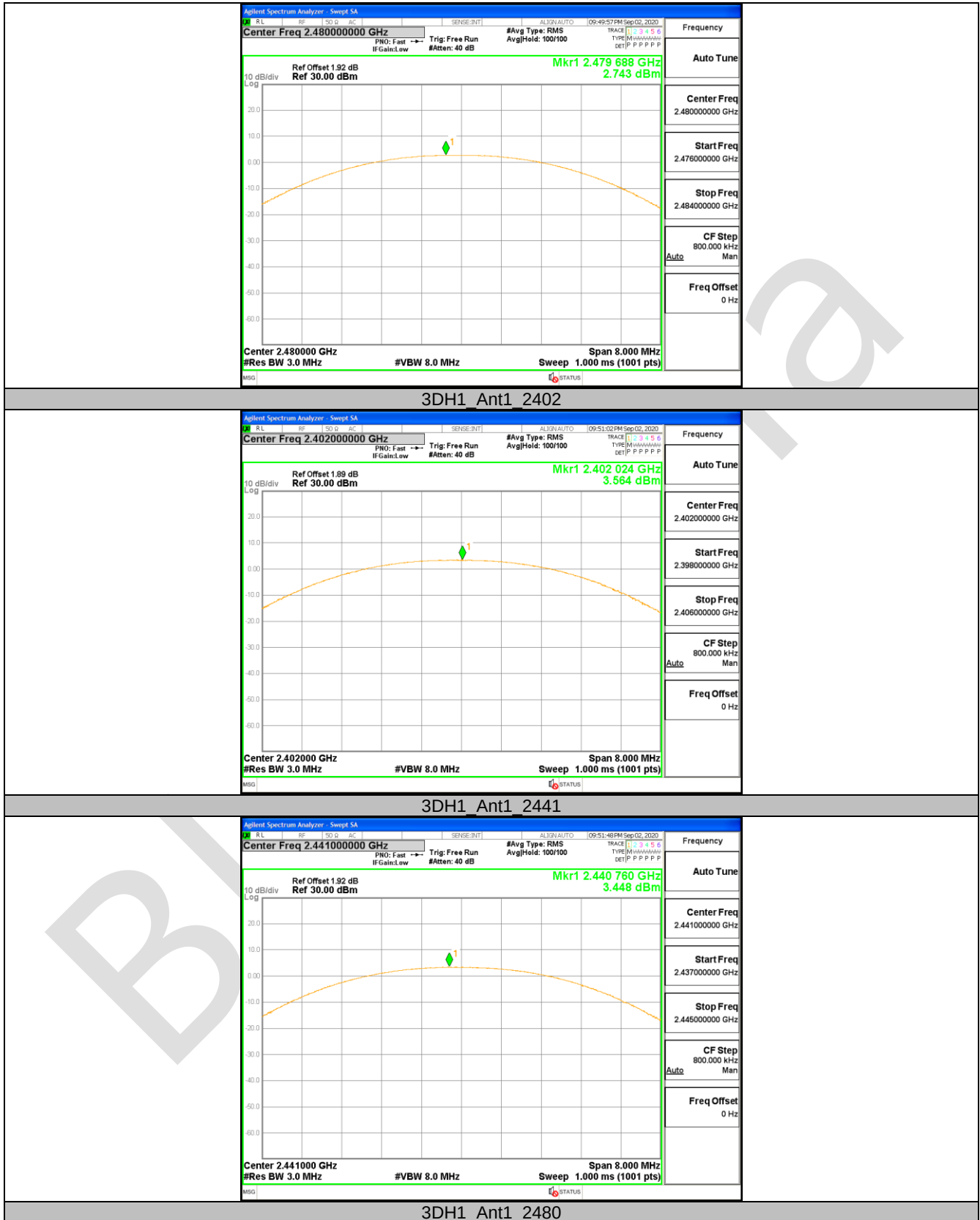
Test Result

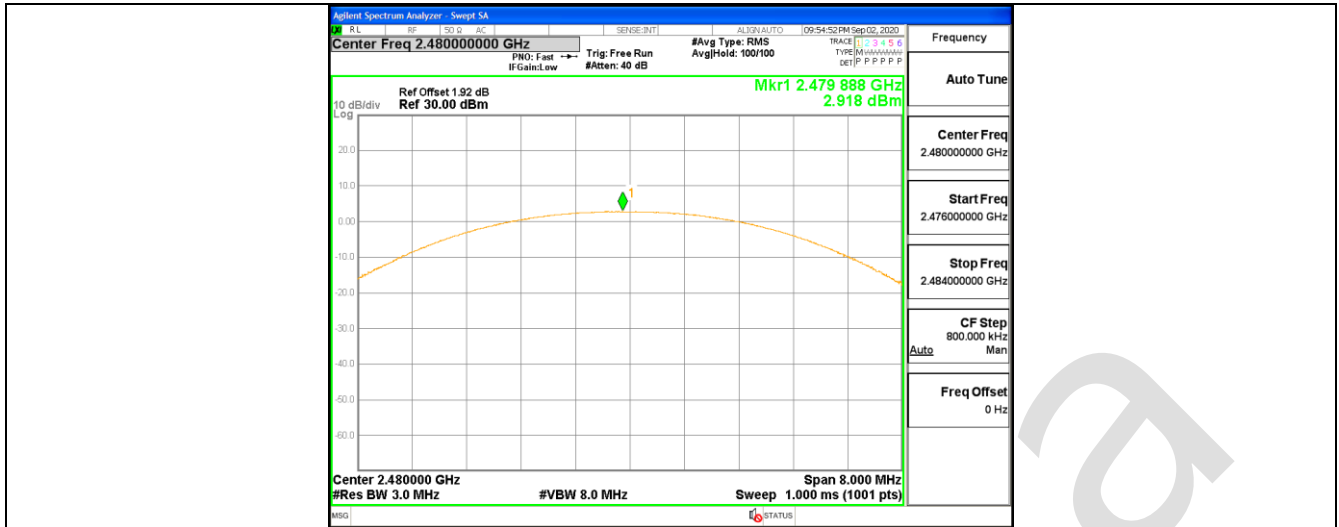
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH1	Ant1	2402	3.41	<=20.97	PASS
		2441	3.28	<=20.97	PASS
		2480	2.76	<=20.97	PASS
2DH1	Ant1	2402	3.39	<=20.97	PASS
		2441	3.25	<=20.97	PASS
		2480	2.74	<=20.97	PASS
3DH1	Ant1	2402	3.56	<=20.97	PASS
		2441	3.45	<=20.97	PASS
		2480	2.92	<=20.97	PASS

Test Graphs







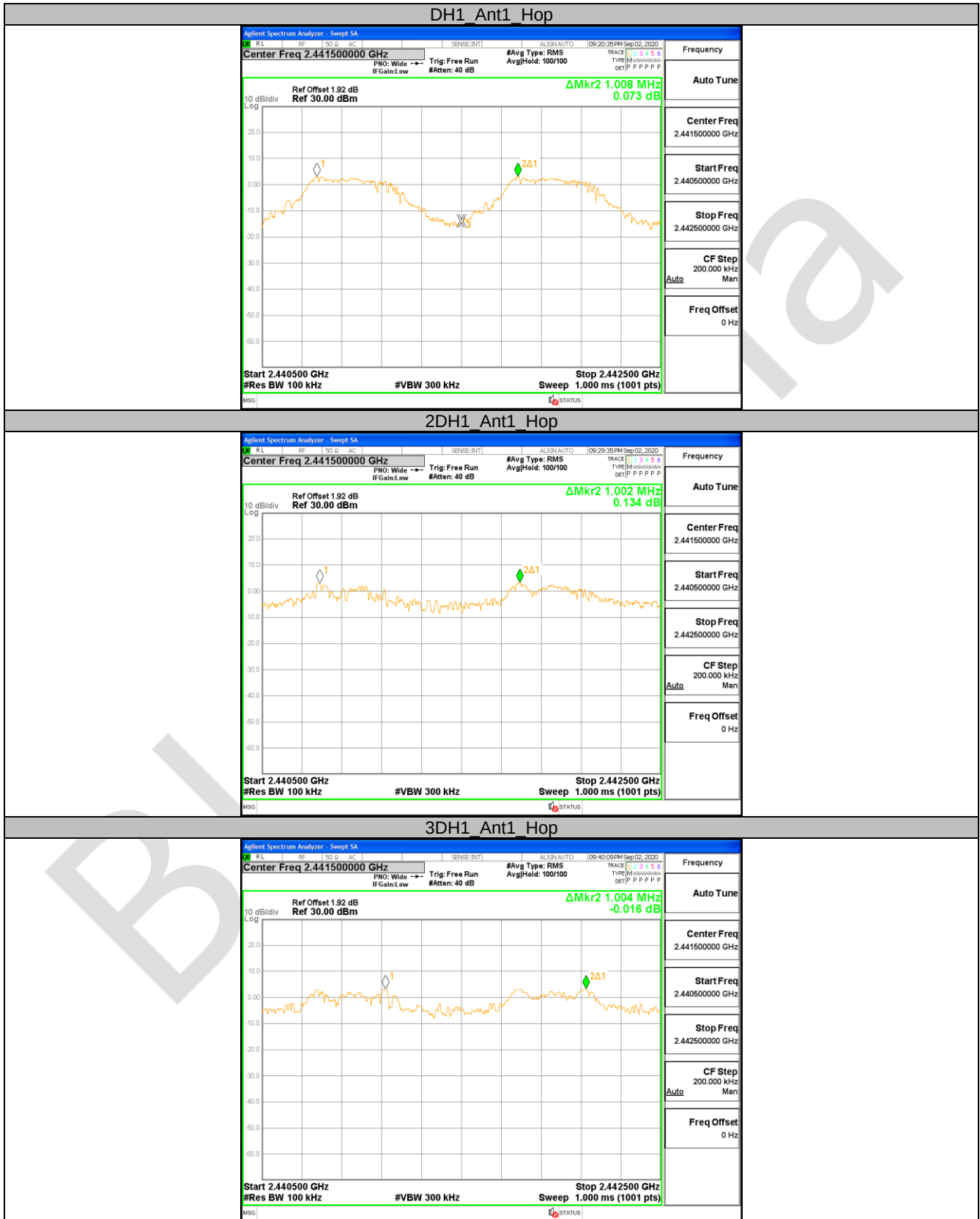


10.3 APPENDIX: CARRIER FREQUENCY SEPARATION

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop	1.008	≥ 0.750	PASS
2DH1	Ant1	Hop	1.002	≥ 0.890	PASS
3DH1	Ant1	Hop	1.004	≥ 0.884	PASS

Test Graphs



10.4 APPENDIX: TIME OF OCCUPANCY

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.118	<=0.4	PASS
DH3	Ant1	Hop	1.62	160	0.259	<=0.4	PASS
DH5	Ant1	Hop	2.87	107	0.306	<=0.4	PASS

The test period: $T = 0.4 \text{ Second/Channel} \times 79 \text{ Channel} = 31.6 \text{ s}$

Test channel: 2441MHz as blow

DH1/2-DH1/3-DH1 time slot = $0.37(\text{ms}) \times (1600 / (2 \times 79)) \times 31.6 = 118.40\text{ms}$

DH3/2-DH3/3-DH3 time slot = $1.62(\text{ms}) \times (1600 / (4 \times 79)) \times 31.6 = 259.20\text{ms}$

DH5/2-DH5/3-DH5 time slot = $2.87(\text{ms}) \times (1600 / (6 \times 79)) \times 31.6 = 306.13\text{ms}$

Test Graphs





10.5 APPENDIX F: NUMBER OF HOPPING CHANNELS**Test Result**

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥ 15	PASS
2DH1	Ant1	Hop	79	≥ 15	PASS
3DH1	Ant1	Hop	79	≥ 15	PASS

Test Graphs



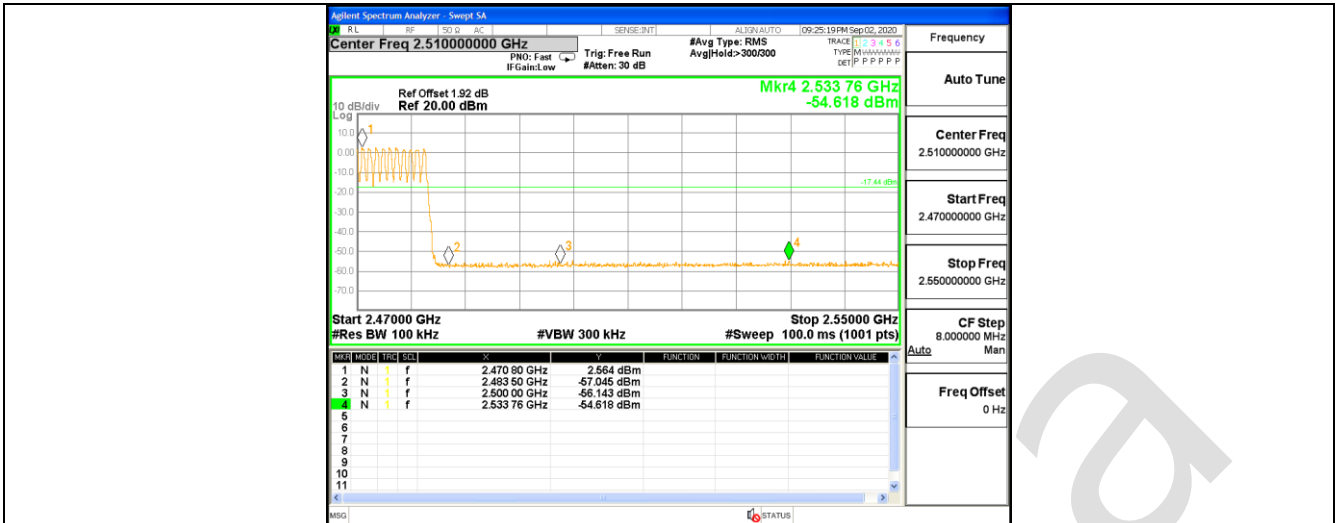
10.6 APPENDIX: BAND EDGE MEASUREMENTS

Test Result

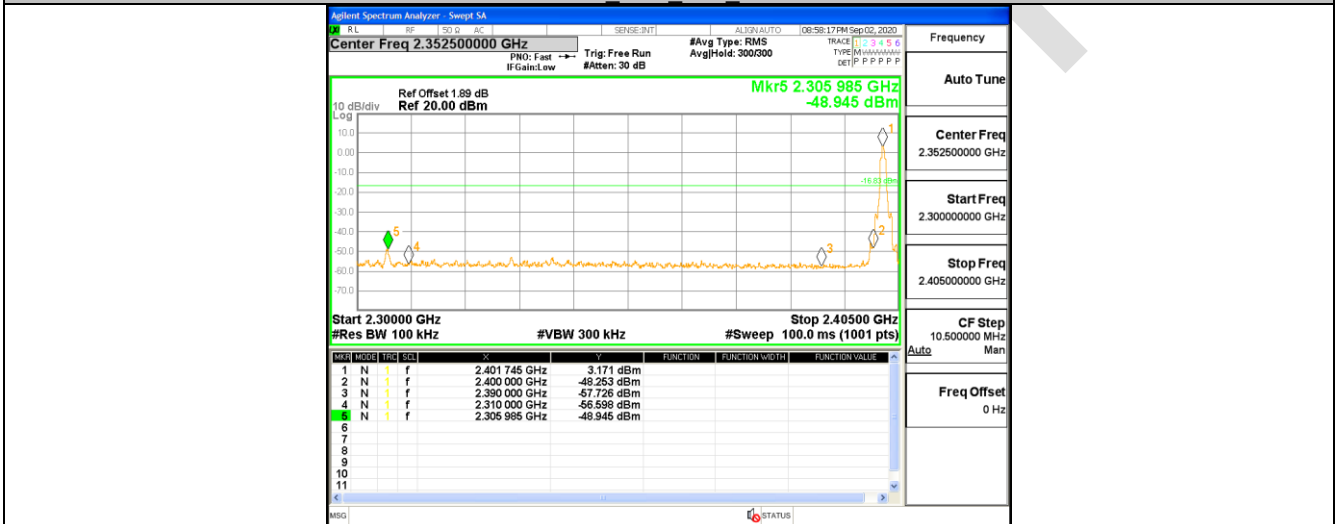
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	3.19	-47.83	<=-16.81	PASS
		High	2480	2.55	-55.02	<=-17.45	PASS
		Low	Hop_2402	2.92	-48.11	-17.08	PASS
		High	Hop_2480	2.56	-54.62	-17.44	PASS
2DH1	Ant1	Low	2402	3.17	-48.95	<=-16.83	PASS
		High	2480	2.53	-55.31	<=-17.47	PASS
		Low	Hop_2402	2.93	-48.45	-17.07	PASS
		High	Hop_2480	2.55	-55.13	-17.45	PASS
3DH1	Ant1	Low	2402	3.17	-47.73	<=-16.83	PASS
		High	2480	2.54	-54.7	<=-17.46	PASS
		Low	Hop_2402	3.09	-48.25	-16.92	PASS
		High	Hop_2480	2.58	-54.05	-17.42	PASS

Test Graphs

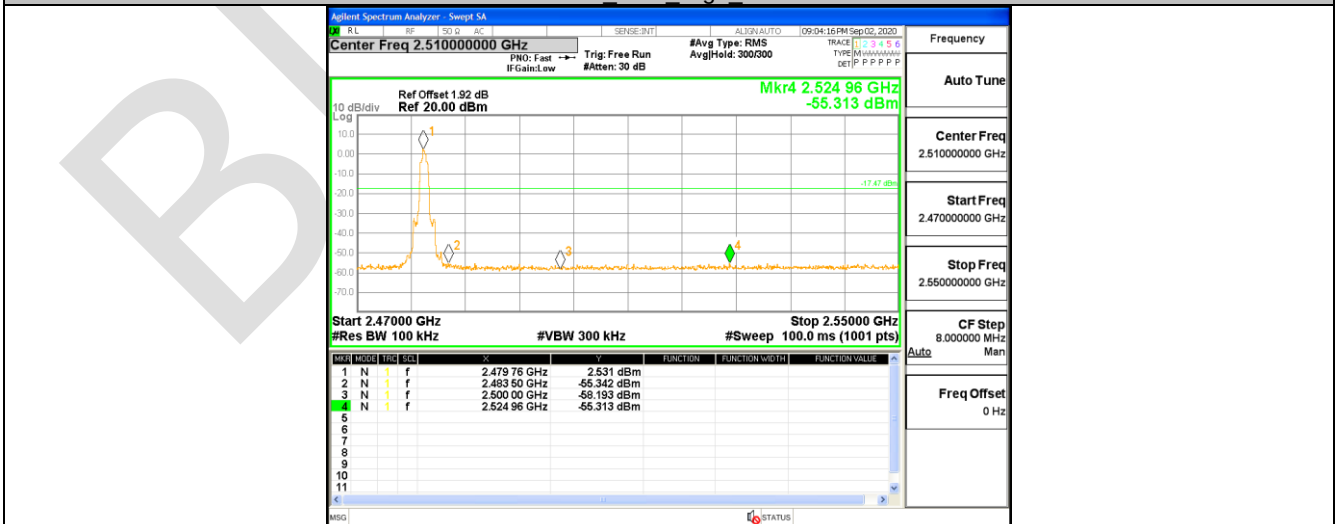




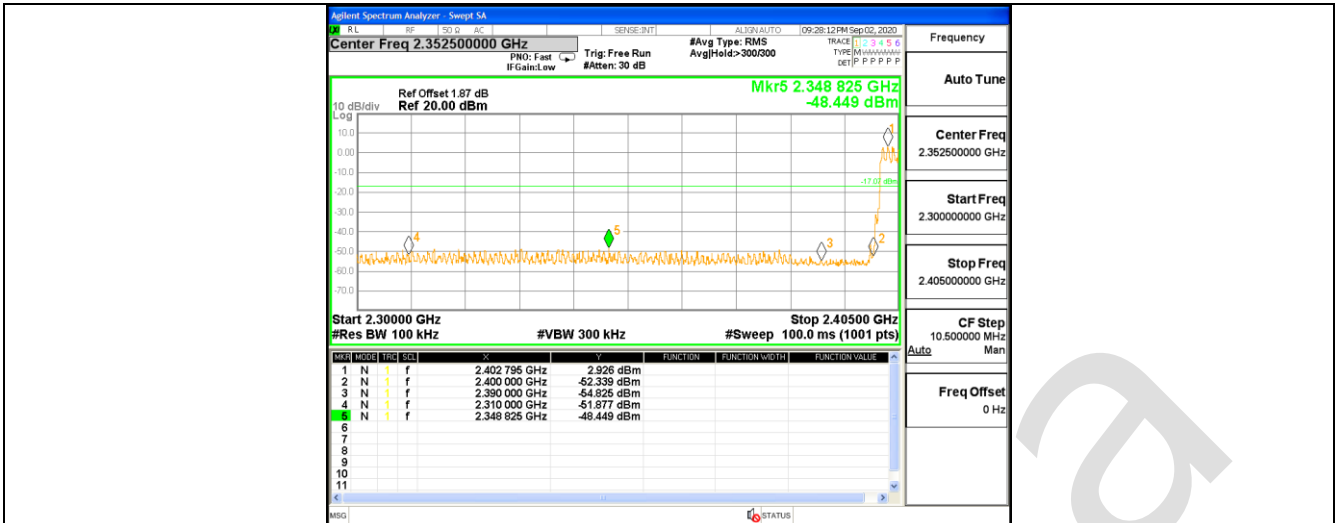
2DH1 Ant1 Low 2402



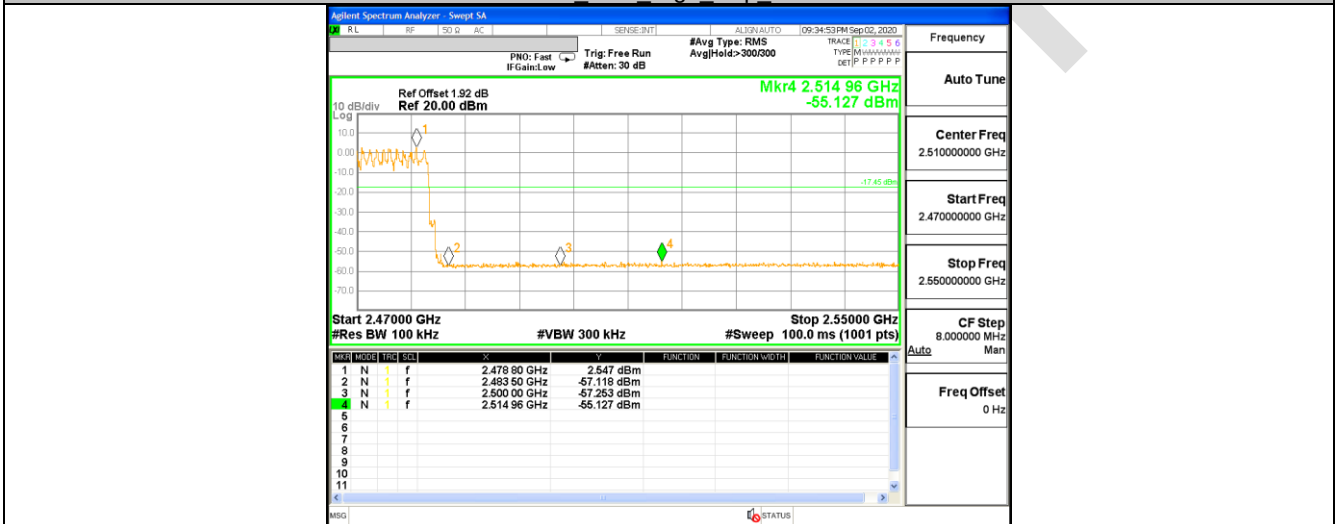
2DH1 Ant1 High 2480



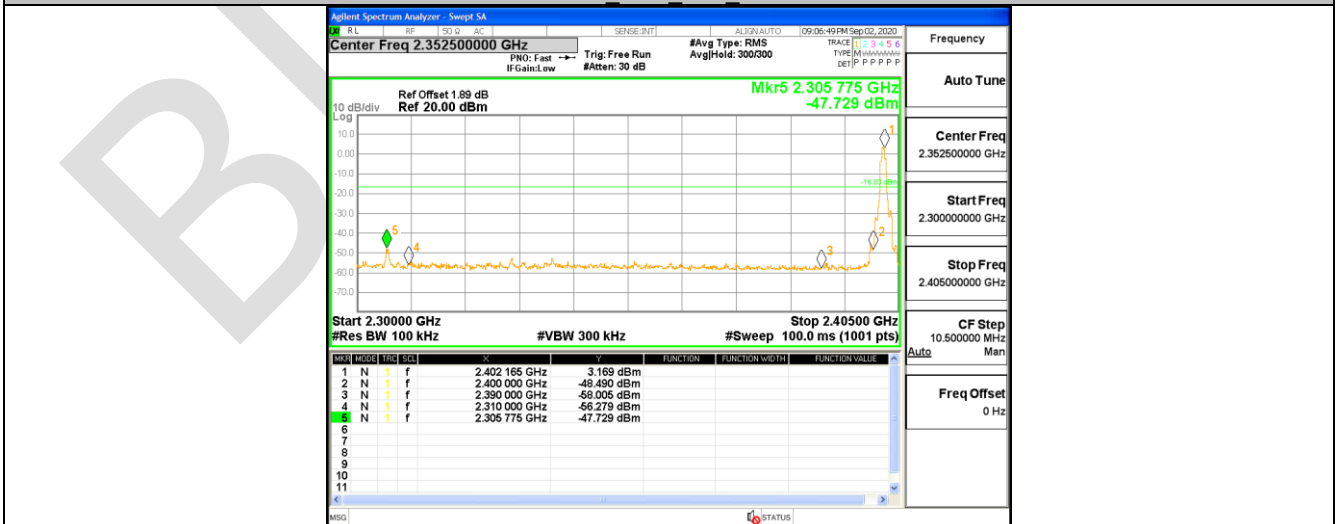
2DH1 Ant1 Low Hop 2402



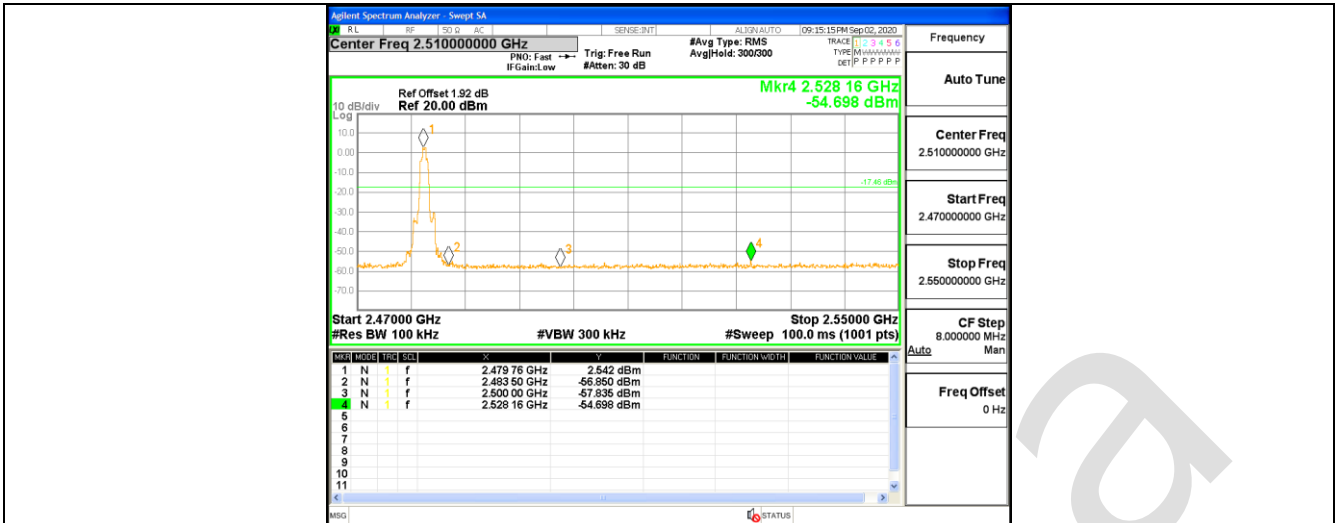
2DH1 Ant1 High Hop 2480



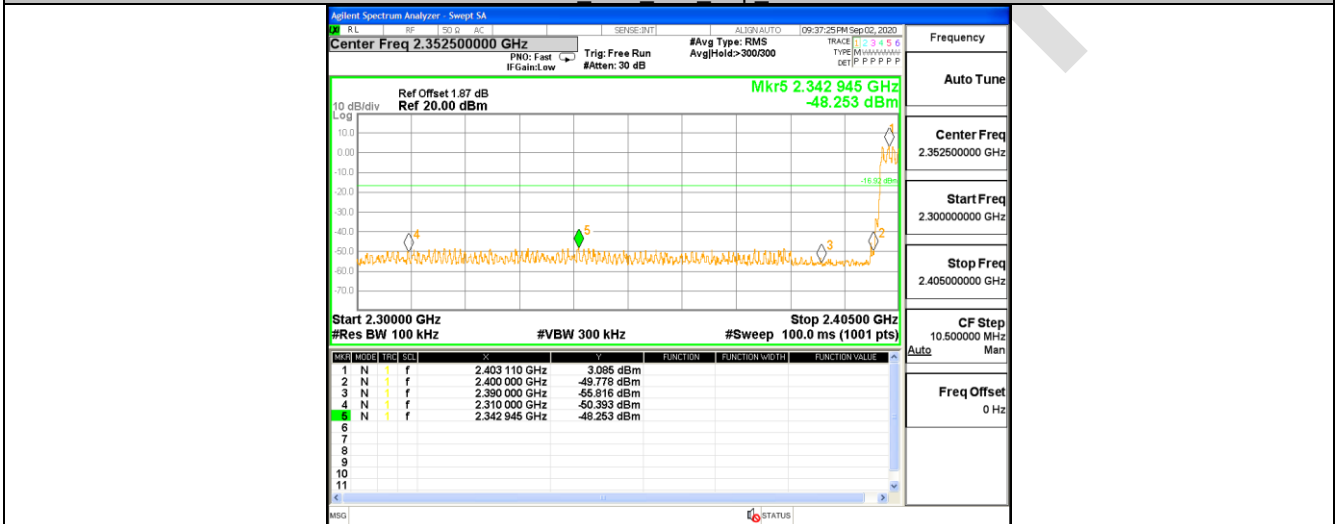
3DH1 Ant1 Low 2402



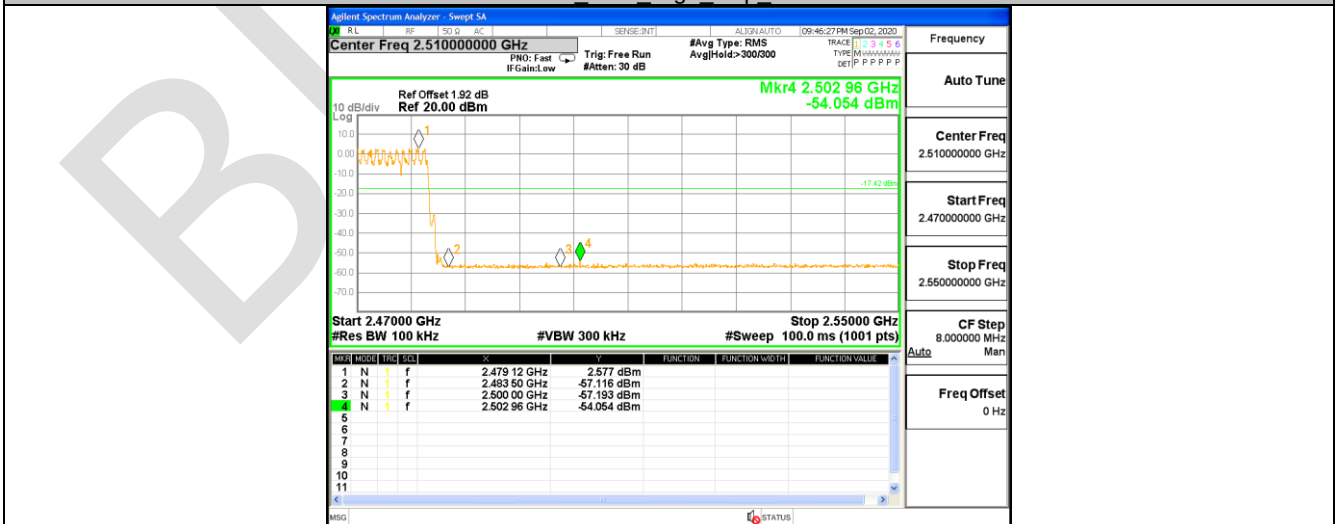
3DH1 Ant1 High 2480



3DH1 Ant1 Low Hop 2402



3DH1 Ant1 High Hop 2480



10.7 APPENDIX: CONDUCTED SPURIOUS EMISSION

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	3.17	3.17	---	PASS
			30~1000	30~1000	-61.46	<=-16.83	PASS
			1000~26500	1000~26500	-30.032	<=-16.83	PASS
		2441	Reference	3.03	3.03	---	PASS
			30~1000	30~1000	-59.802	<=-16.974	PASS
			1000~26500	1000~26500	-31.203	<=-16.974	PASS
		2480	Reference	2.54	2.54	---	PASS
			30~1000	30~1000	-62.156	<=-17.46	PASS
			1000~26500	1000~26500	-31.231	<=-17.46	PASS
2DH1	Ant1	2402	Reference	3.10	3.10	---	PASS
			30~1000	30~1000	-60.329	<=-16.905	PASS
			1000~26500	1000~26500	-39.726	<=-16.905	PASS
		2441	Reference	3.02	3.02	---	PASS
			30~1000	30~1000	-60.538	<=-16.976	PASS
			1000~26500	1000~26500	-31.035	<=-16.976	PASS
		2480	Reference	2.53	2.53	---	PASS
			30~1000	30~1000	-60.227	<=-17.466	PASS
			1000~26500	1000~26500	-39.067	<=-17.466	PASS
3DH1	Ant1	2402	Reference	3.18	3.18	---	PASS
			30~1000	30~1000	-61.297	<=-16.823	PASS
			1000~26500	1000~26500	-32.356	<=-16.823	PASS
		2441	Reference	3.01	3.01	---	PASS
			30~1000	30~1000	-61.825	<=-16.99	PASS
			1000~26500	1000~26500	-33.616	<=-16.99	PASS
		2480	Reference	2.54	2.54	---	PASS
			30~1000	30~1000	-59.943	<=-17.458	PASS
			1000~26500	1000~26500	-31.556	<=-17.458	PASS

Test Graphs

