Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: 4G Mobile Phone

Trade Mark: GYRO

Test Model: S6001

FCC ID: 2AYVXFIRTSS6001

Environmental Conditions

Temperature:	24.3℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

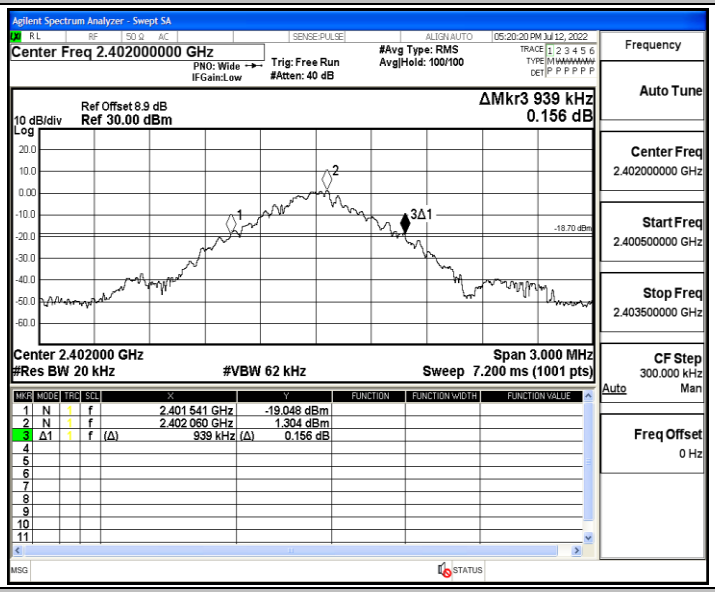
Appendix A: 20dB Emission Bandwidth

Test Result

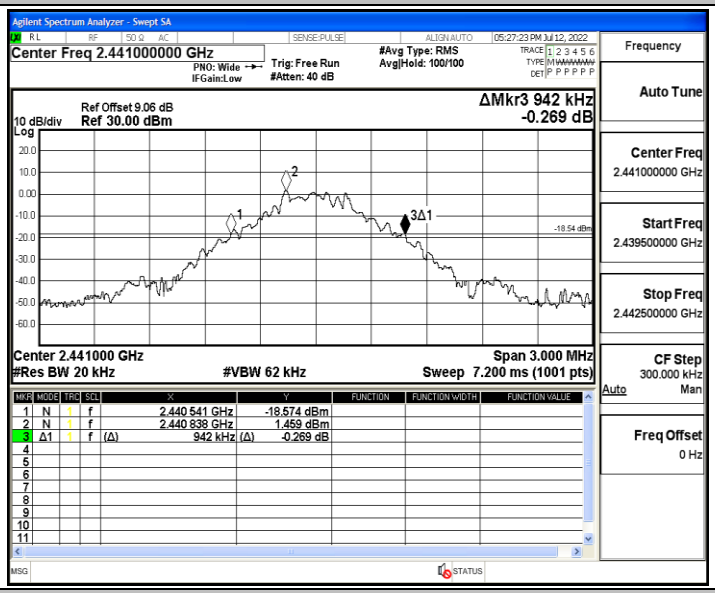
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.939	2401.541	2402.480	---	---
		2441	0.942	2440.541	2441.483	---	---
		2480	0.939	2479.538	2480.477	---	---
2DH5	Ant1	2402	1.317	2401.343	2402.660	---	---
		2441	1.320	2440.340	2441.660	---	---
		2480	1.317	2479.343	2480.660	---	---
3DH5	Ant1	2402	1.338	2401.331	2402.669	---	---
		2441	1.275	2440.355	2441.630	---	---
		2480	1.275	2479.355	2480.630	---	---

Test Graphs

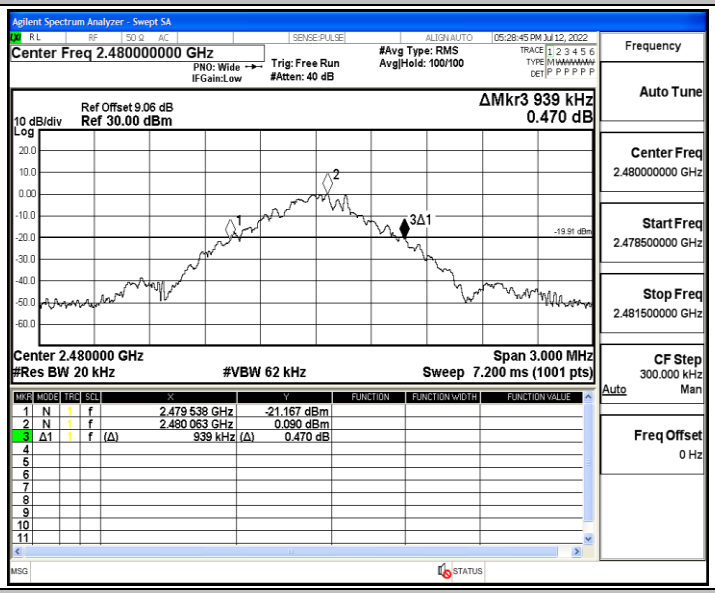
DH5_Ant1_2402



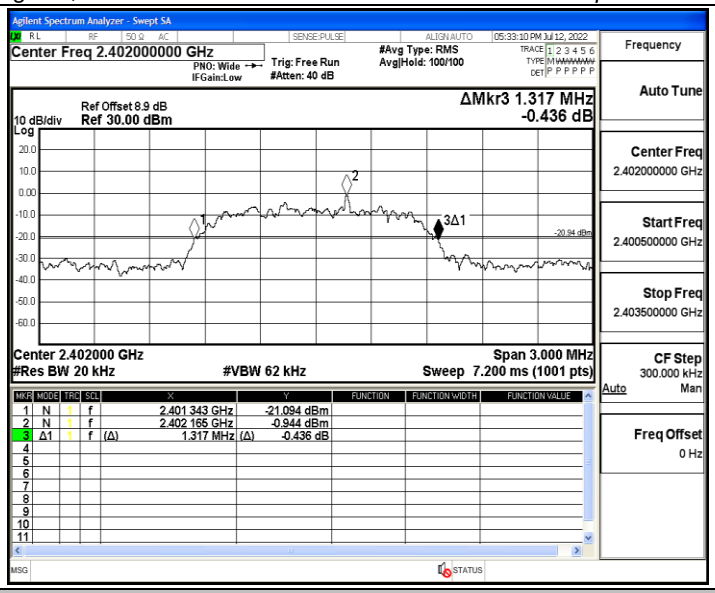
DH5_Ant1_2441



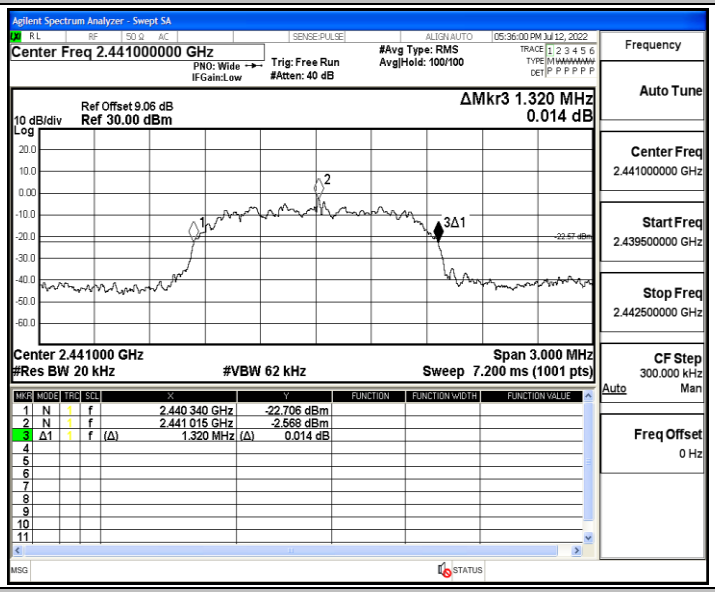
DH5_Ant1_2480



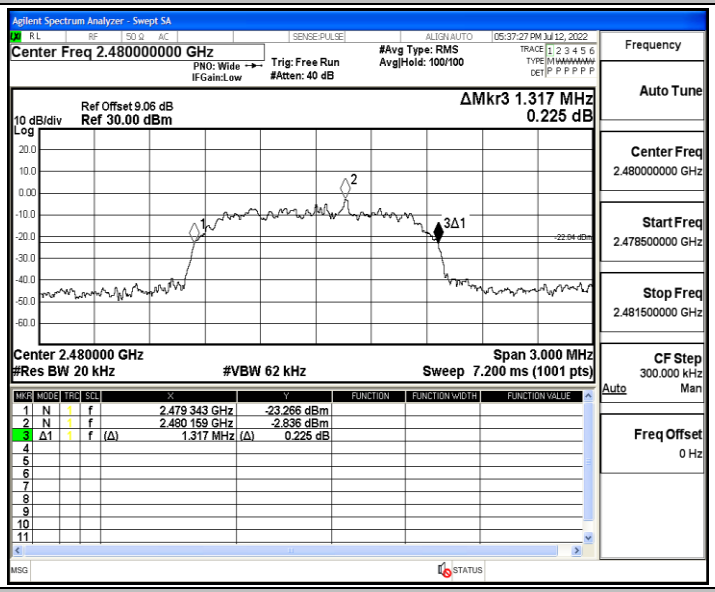
2DH5_Ant1_2402



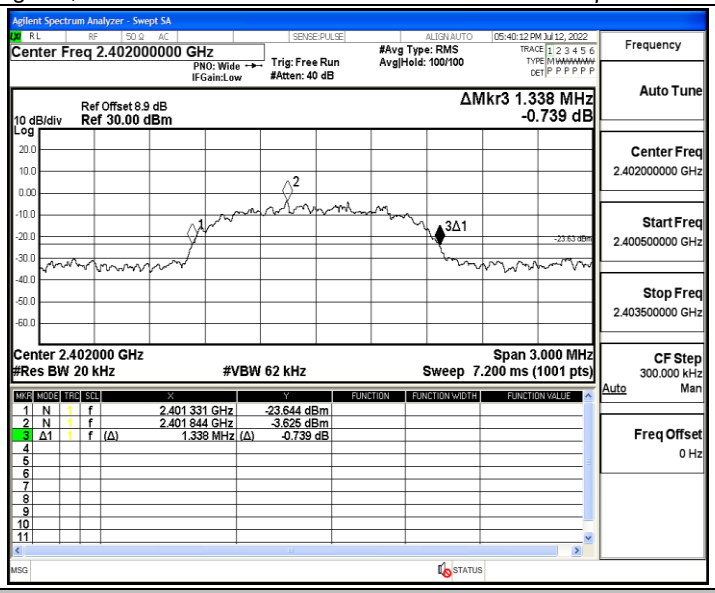
2DH5_Ant1_2441



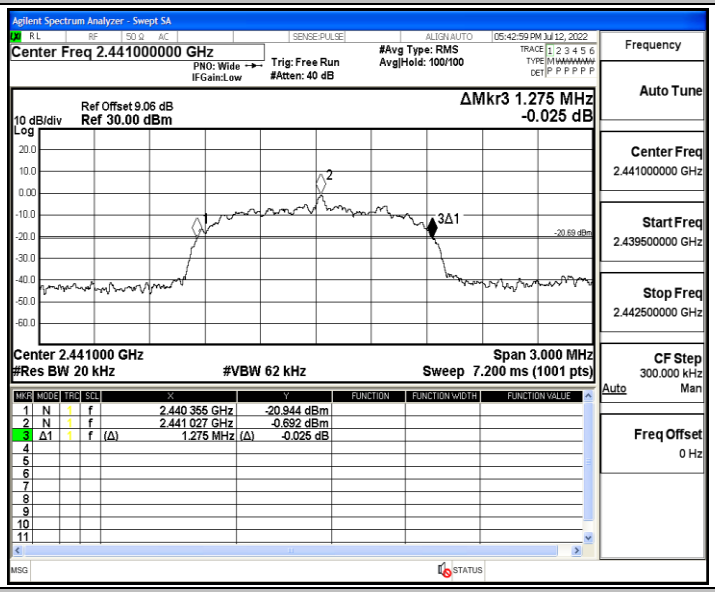
2DH5_Ant1_2480



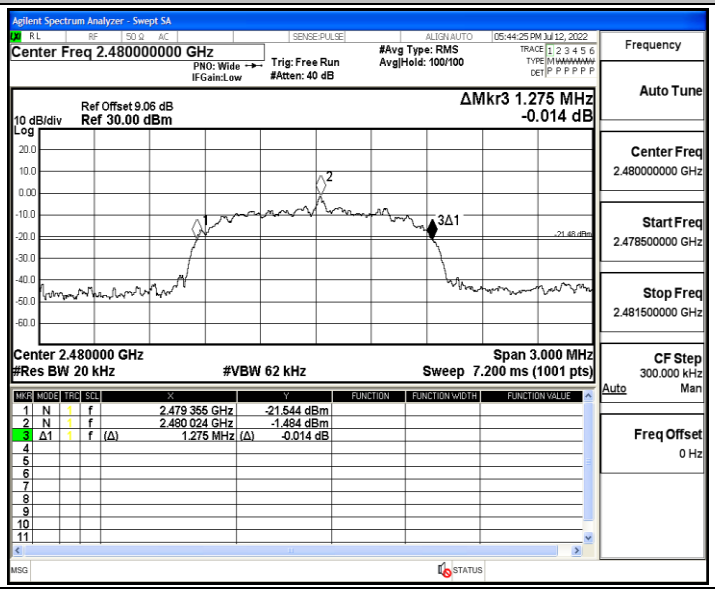
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



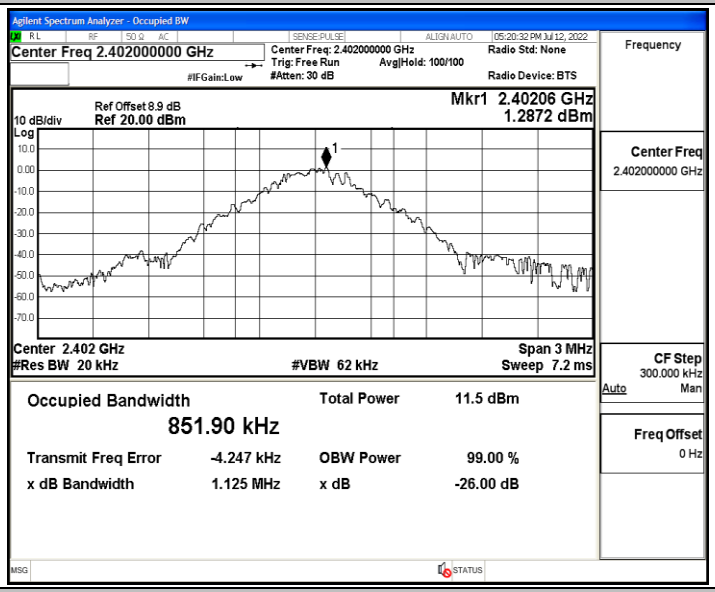
Appendix B: Occupied Channel Bandwidth

Test Result

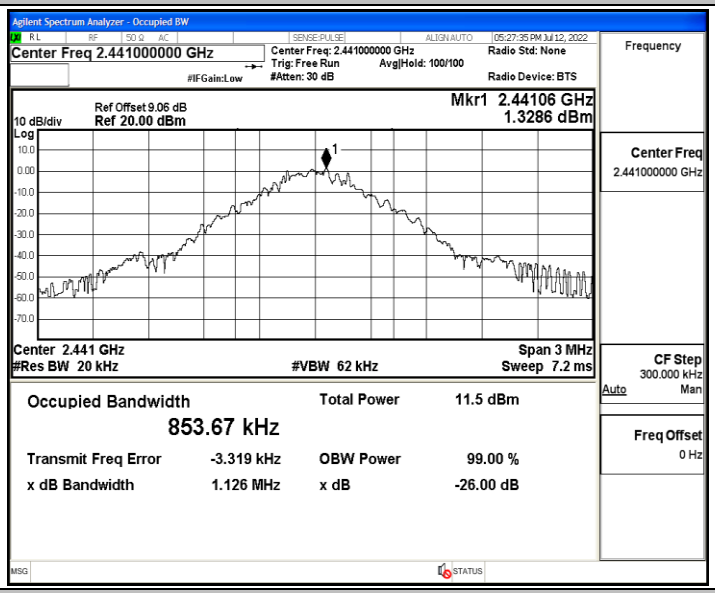
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85190	2401.570	2402.422	---	---
		2441	0.85367	2440.570	2441.424	---	---
		2480	0.85880	2479.564	2480.423	---	---
2DH5	Ant1	2402	1.2364	2401.388	2402.625	---	---
		2441	1.1904	2440.407	2441.598	---	---
		2480	1.1889	2479.407	2480.596	---	---
3DH5	Ant1	2402	1.2394	2401.375	2402.614	---	---
		2441	1.2010	2440.393	2441.594	---	---
		2480	1.1812	2479.405	2480.587	---	---

Test Graphs

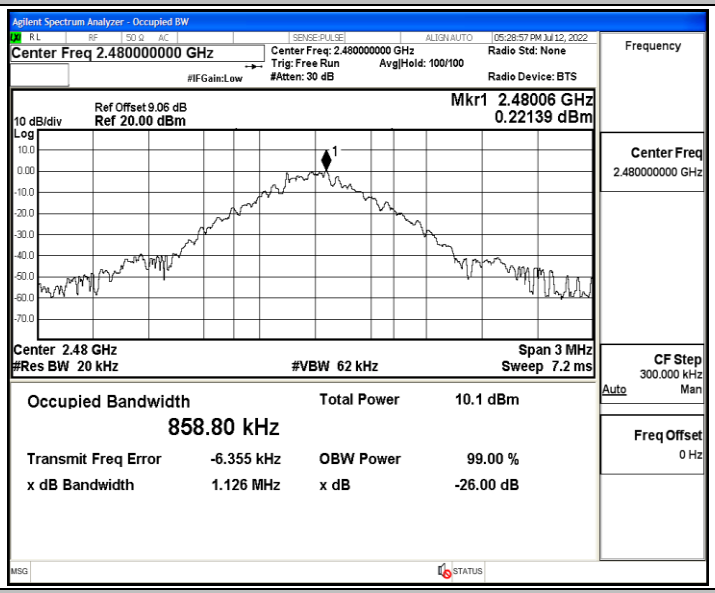
DH5_Ant1_2402



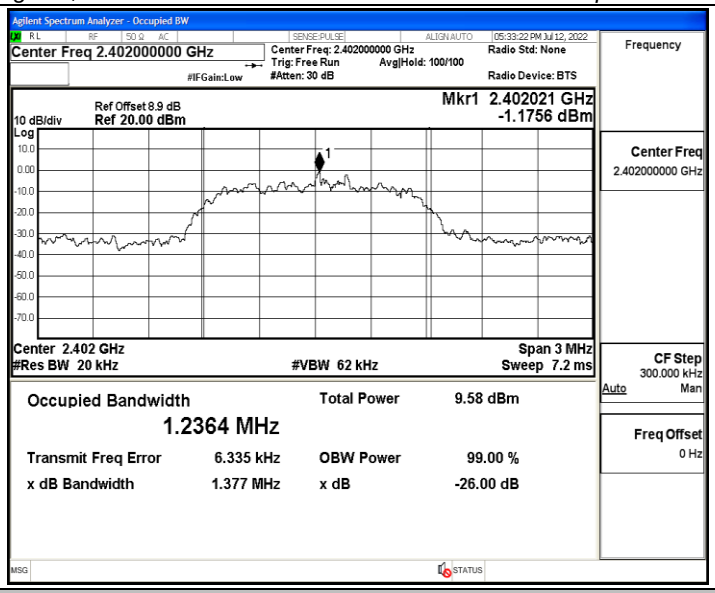
DH5_Ant1_2441



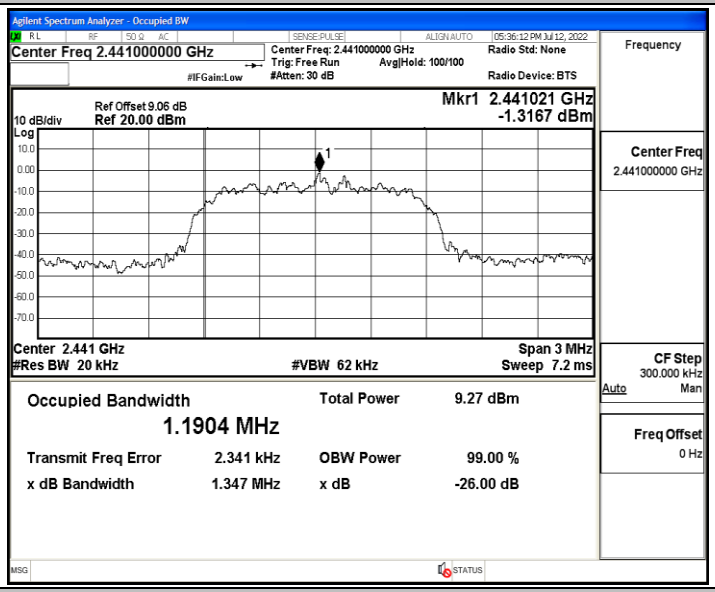
DH5_Ant1_2480



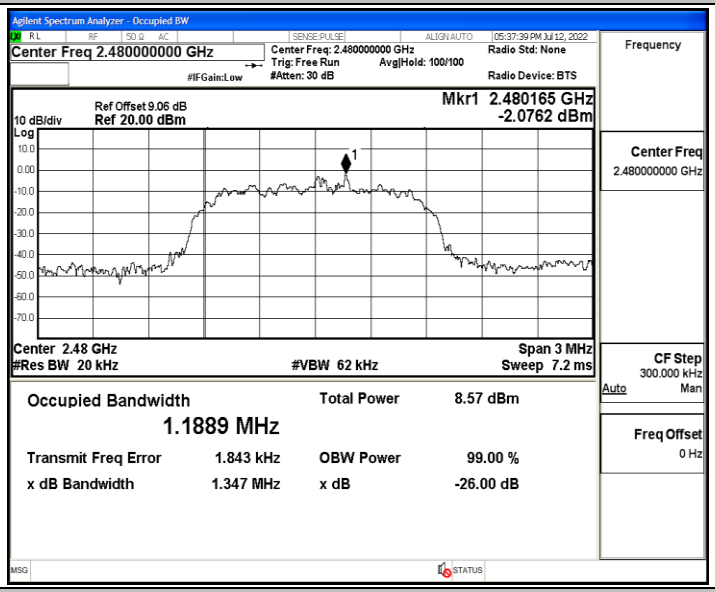
2DH5_Ant1_2402



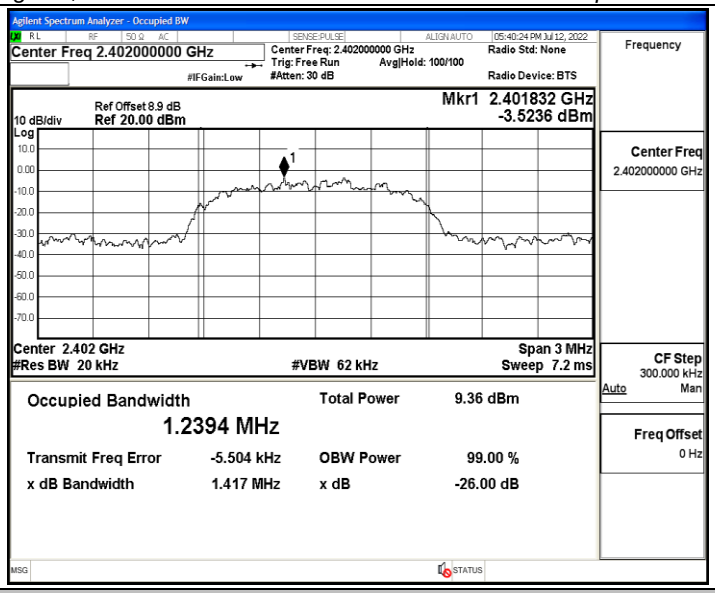
2DH5_Ant1_2441



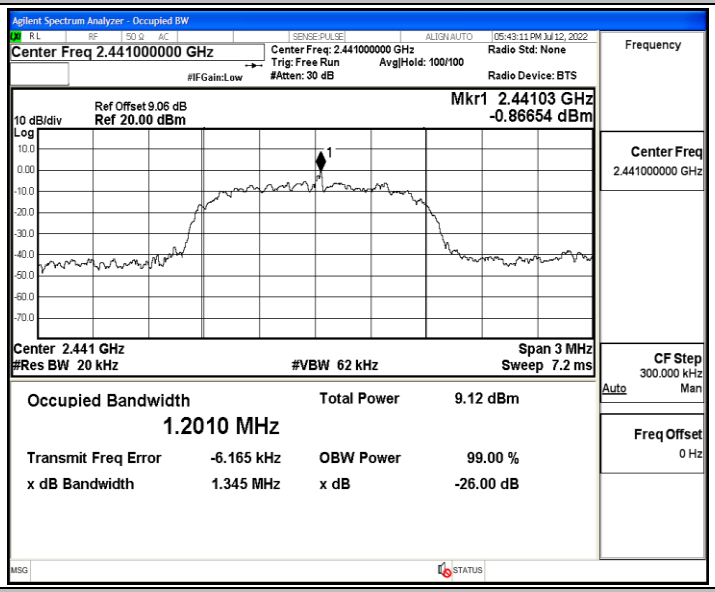
2DH5_Ant1_2480



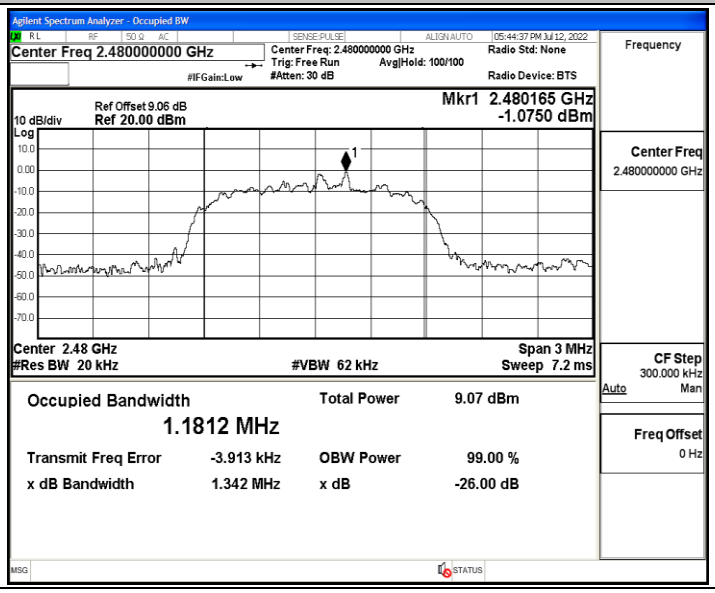
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



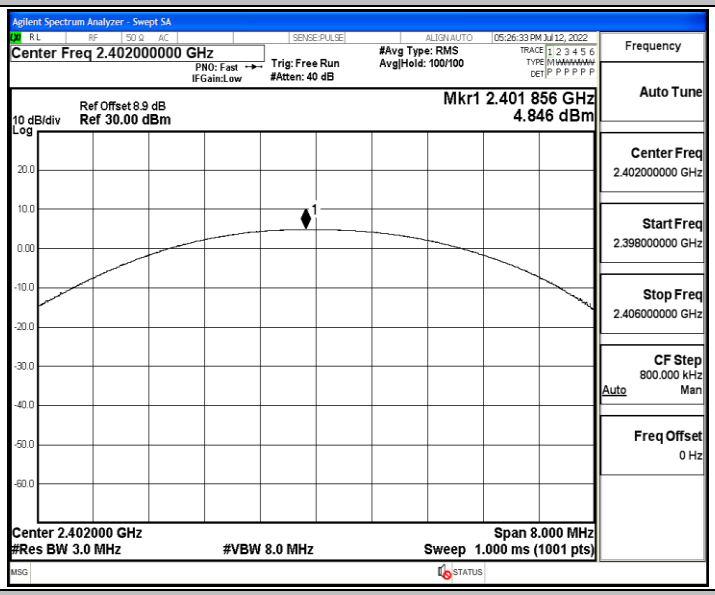
Appendix C: Maximum Peak conducted output power

Test Result

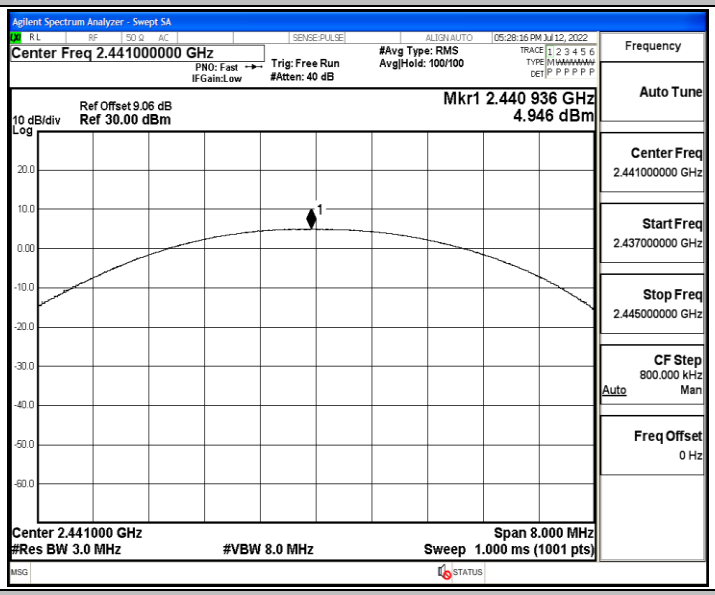
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	4.85	≤30.0	PASS
		2441	4.95	≤30.0	PASS
		2480	3.82	≤30.0	PASS
2DH5	Ant1	2402	4.83	≤20.97	PASS
		2441	4.99	≤20.97	PASS
		2480	4.11	≤20.97	PASS
3DH5	Ant1	2402	4.98	≤20.97	PASS
		2441	5.34	≤20.97	PASS
		2480	4.35	≤20.97	PASS

Test Graphs

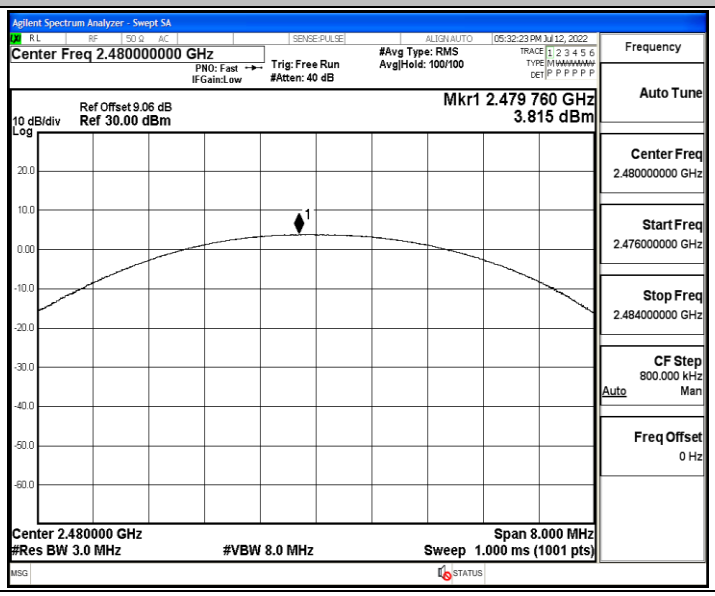
DH5_Ant1_2402



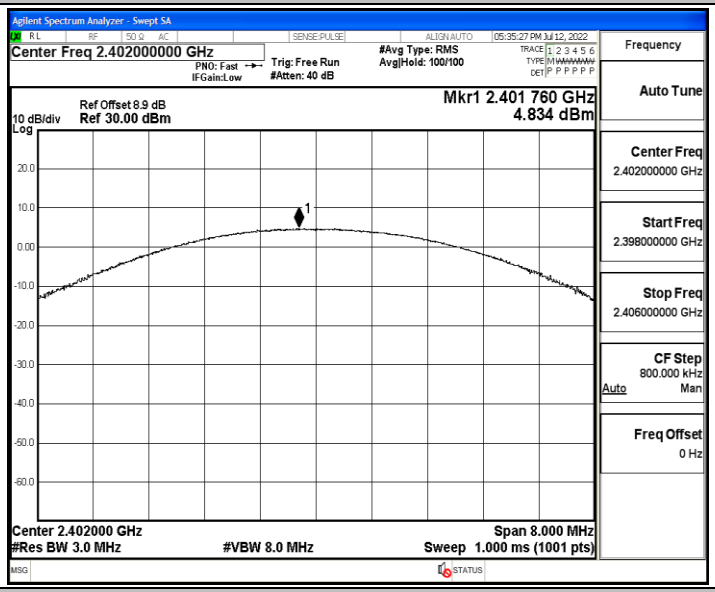
DH5_Ant1_2441



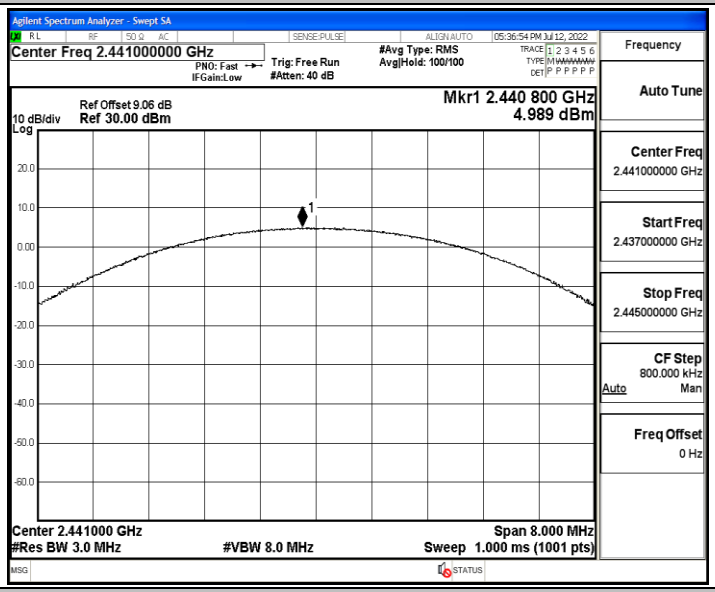
DH5_Ant1_2480



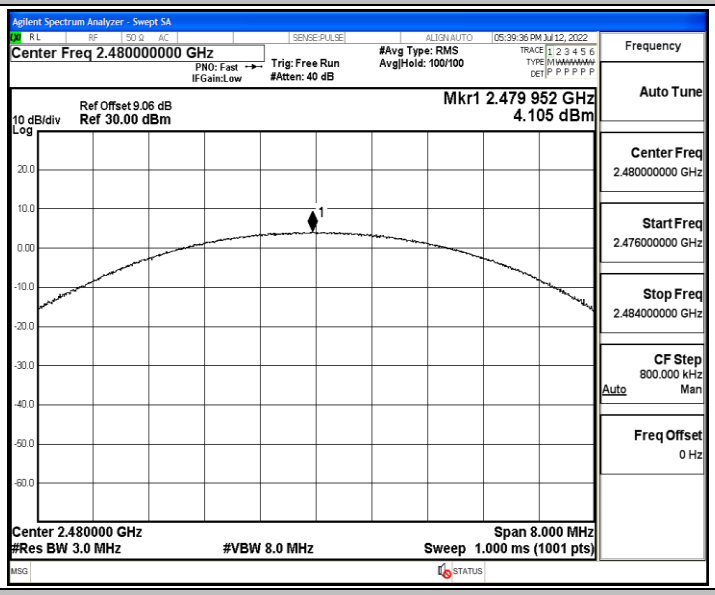
2DH5_Ant1_2402



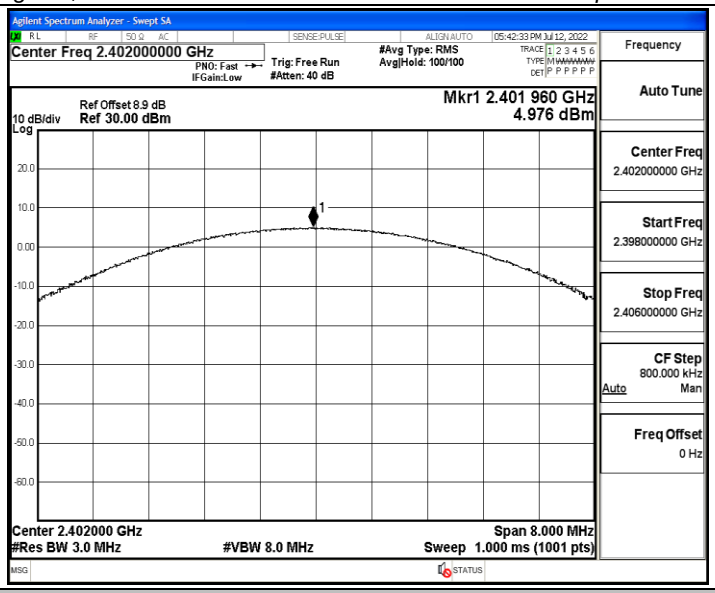
2DH5_Ant1_2441



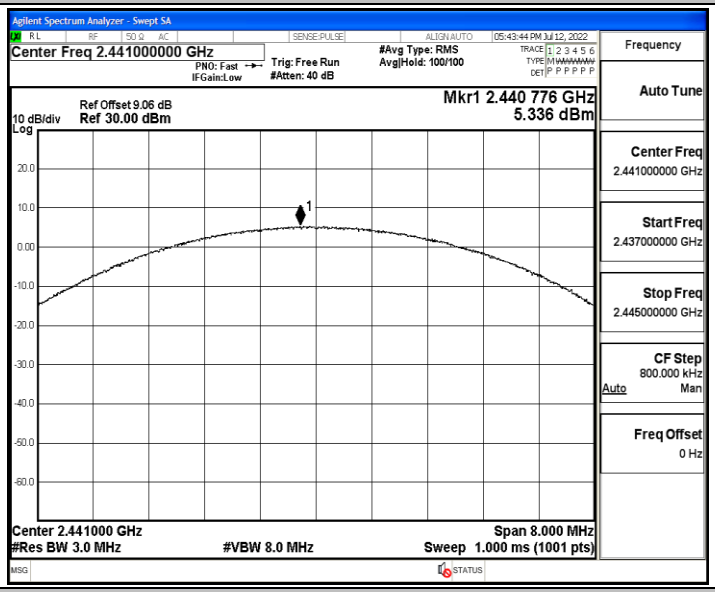
2DH5_Ant1_2480



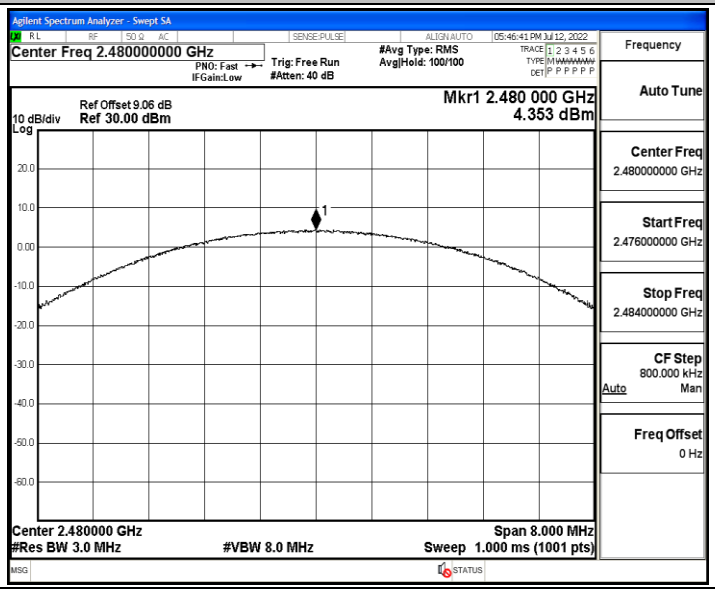
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



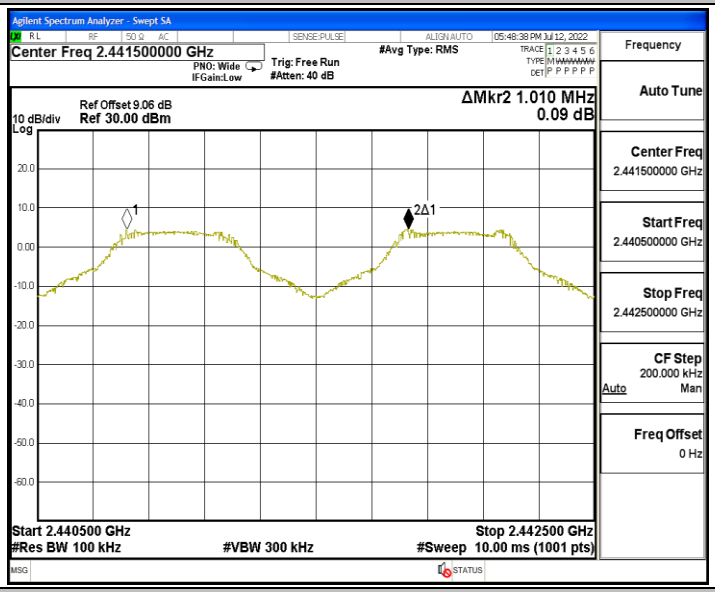
Appendix D: Carrier frequency separation

Test Result

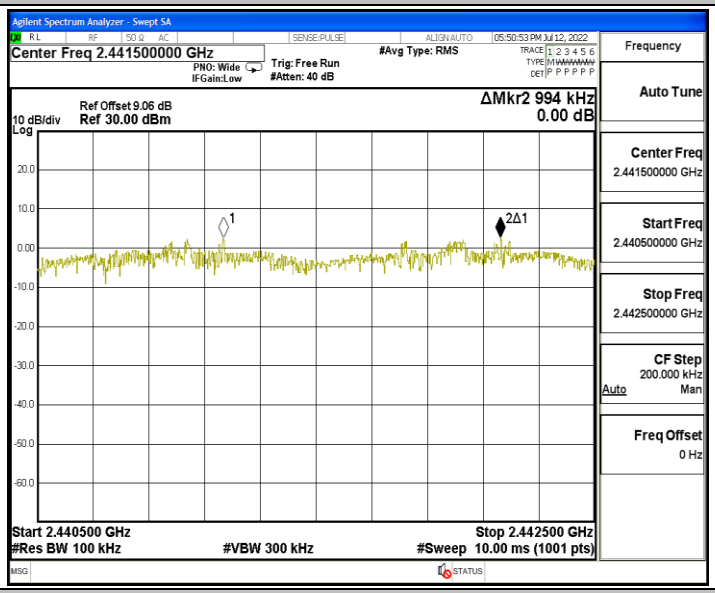
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.01	≥0.942	PASS
2DH5	Ant1	Hop	0.994	≥0.880	PASS
3DH5	Ant1	Hop	0.994	≥0.892	PASS

Test Graphs

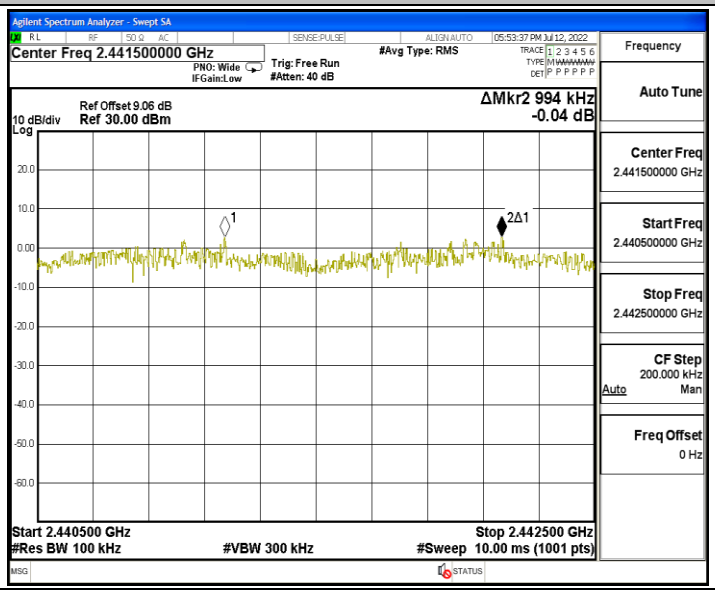
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

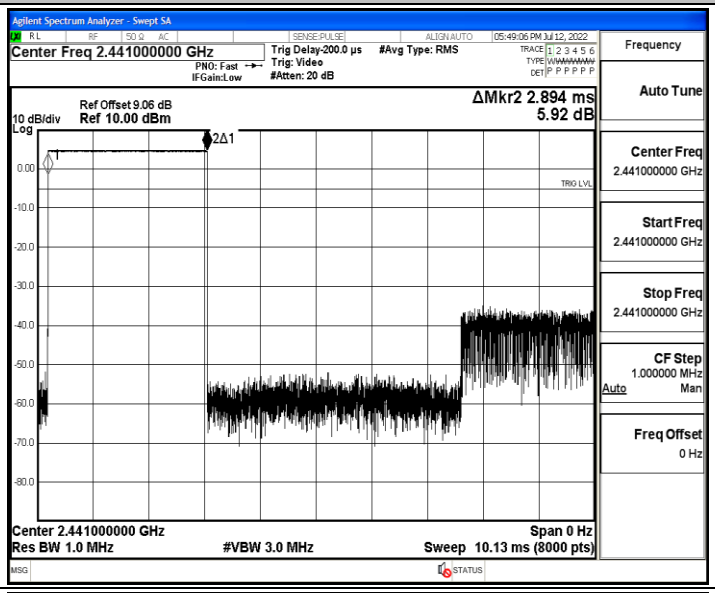
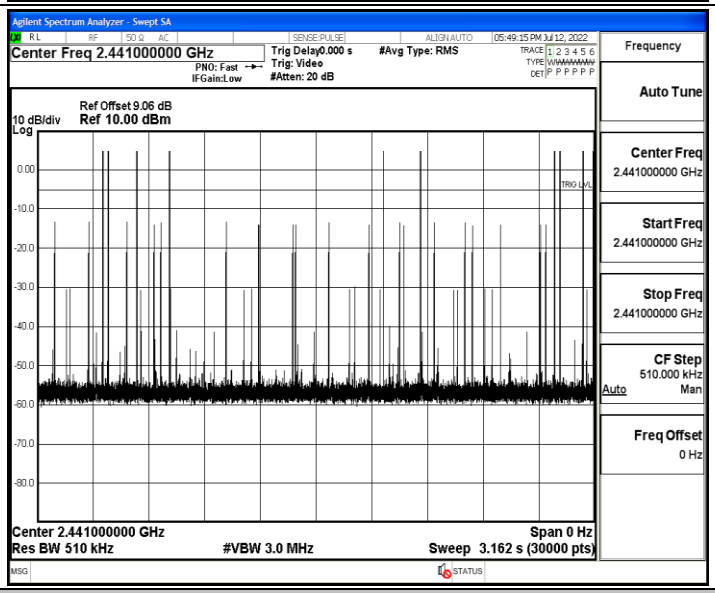
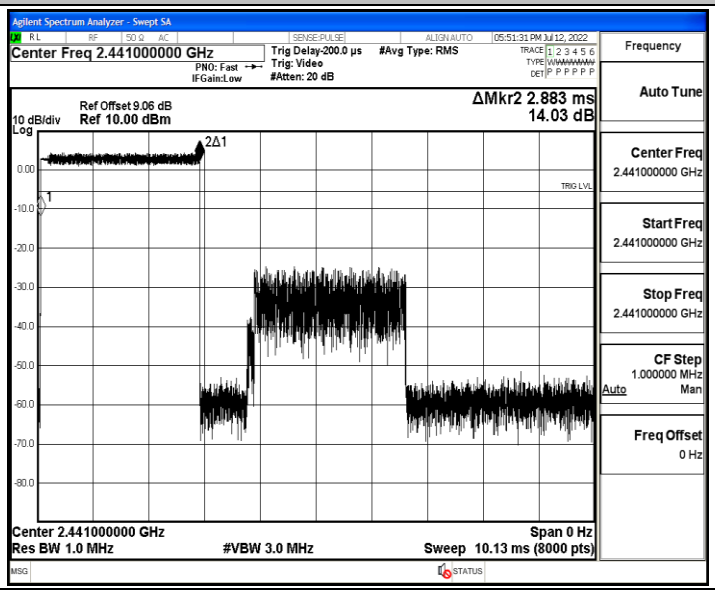


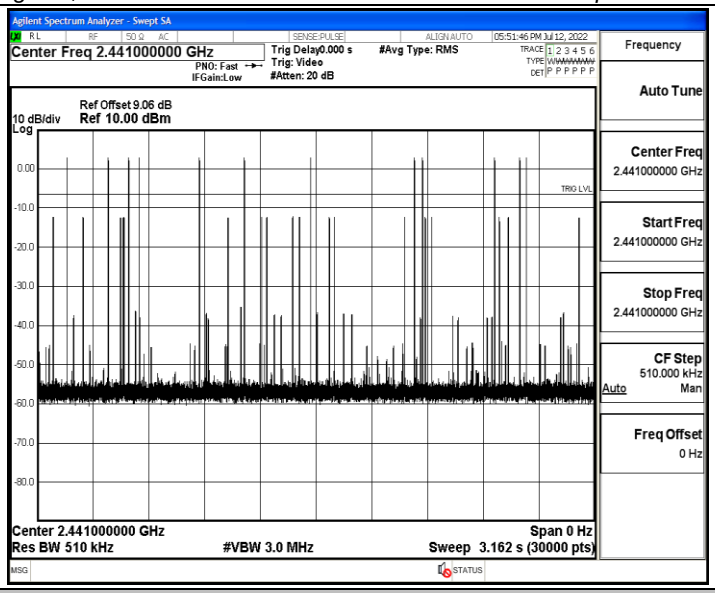
Appendix E: Time of occupancy

Test Result

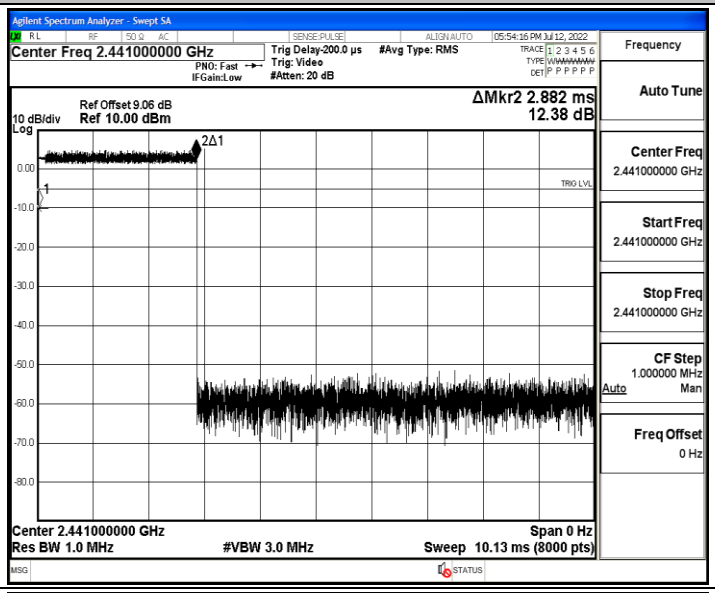
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.89	110	0.318	≤0.4	PASS
2DH5	Ant1	Hop	2.88	130	0.375	≤0.4	PASS
3DH5	Ant1	Hop	2.88	100	0.288	≤0.4	PASS

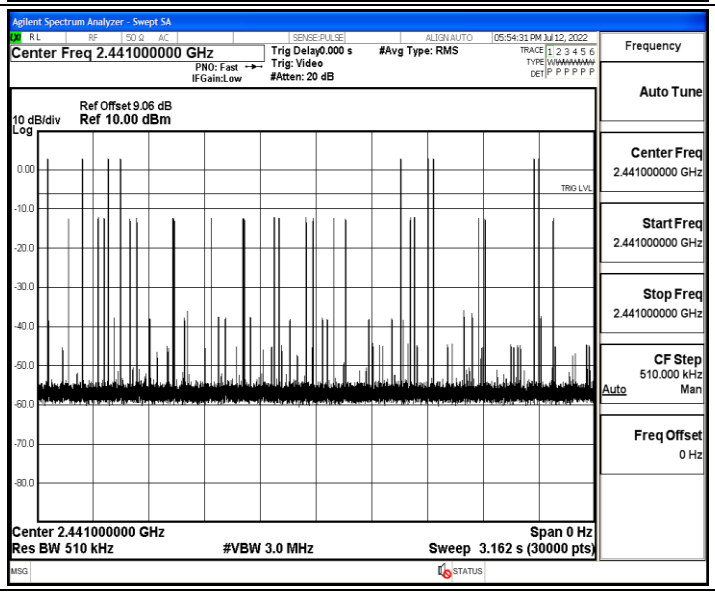
Test Graphs

DH5_Ant1_Hop


2DH5_Ant1_Hop




3DH5_Ant1_Hop





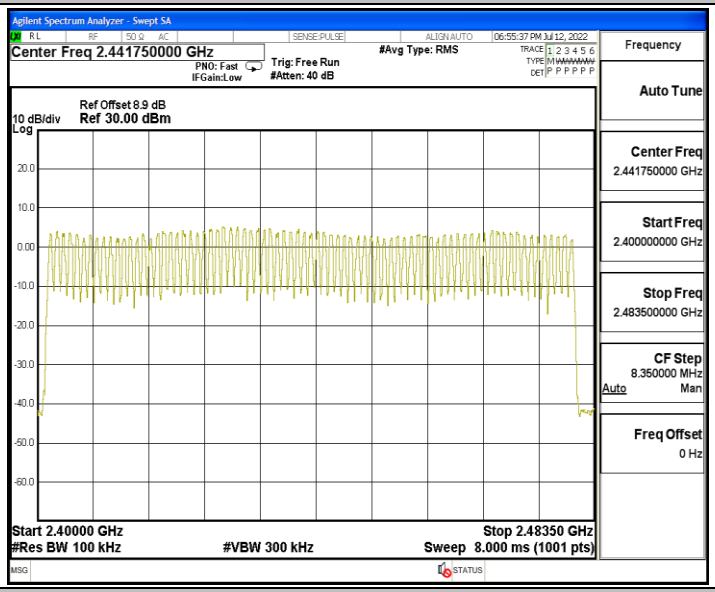
Appendix F: Number of hopping channels

Test Result

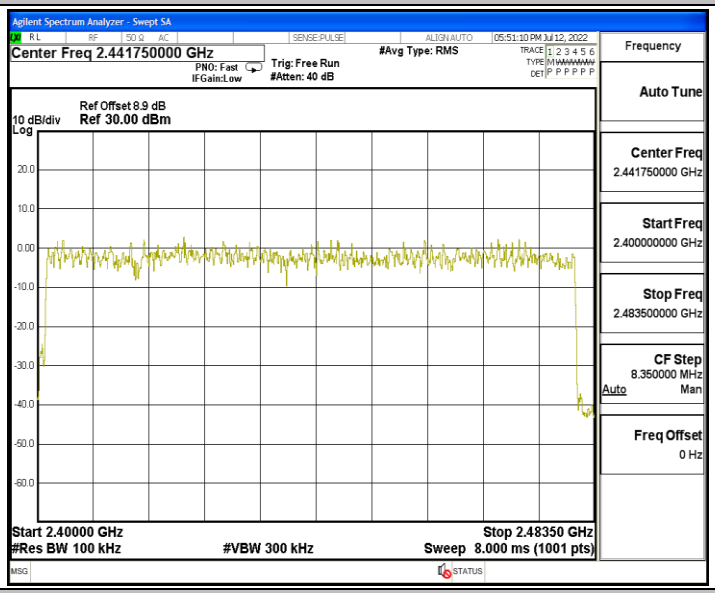
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

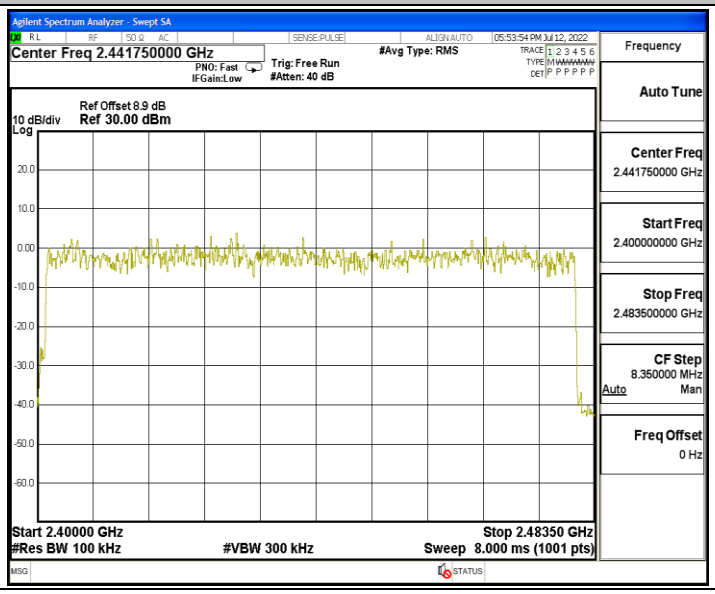
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



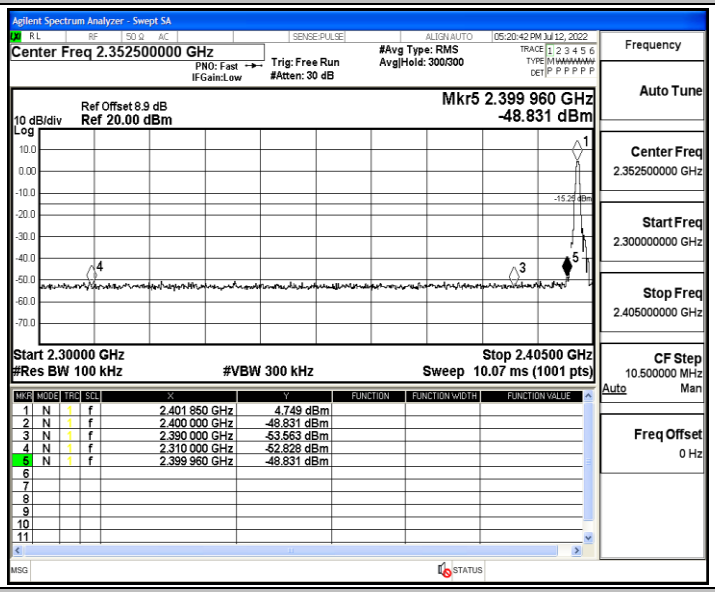
Appendix G: Band edge measurements

Test Result

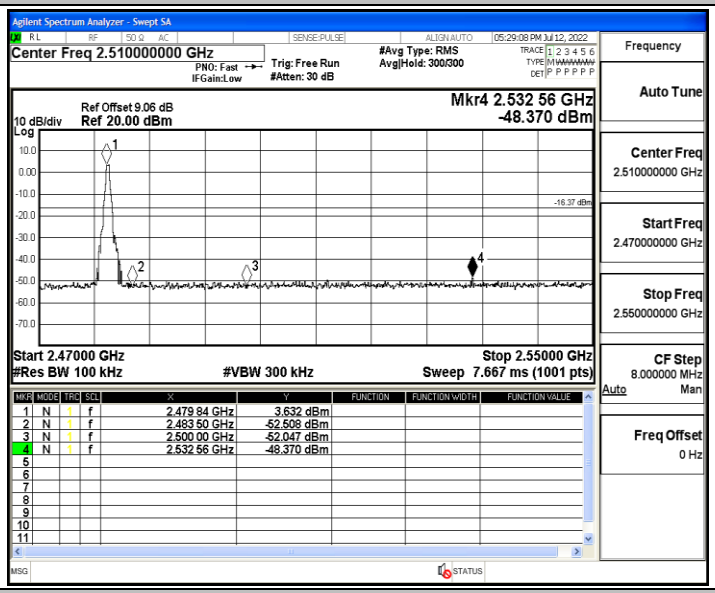
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.75	-48.83	≤-15.25	PASS
		High	2480	3.63	-48.37	≤-16.37	PASS
		Low	Hop_2402	3.48	-49.63	≤-16.52	PASS
		High	Hop_2480	3.55	-49.2	≤-16.45	PASS
2DH5	Ant1	Low	2402	2.53	-35.47	≤-17.47	PASS
		High	2480	1.34	-49.3	≤-18.66	PASS
		Low	Hop_2402	-1.06	-50.77	≤-21.06	PASS
		High	Hop_2480	-0.41	-48.99	≤-20.41	PASS
3DH5	Ant1	Low	2402	3.15	-35.34	≤-16.85	PASS
		High	2480	1.97	-48.79	≤-18.03	PASS
		Low	Hop_2402	0.13	-49.46	≤-19.87	PASS
		High	Hop_2480	-0.44	-49.69	≤-20.44	PASS

Test Graphs

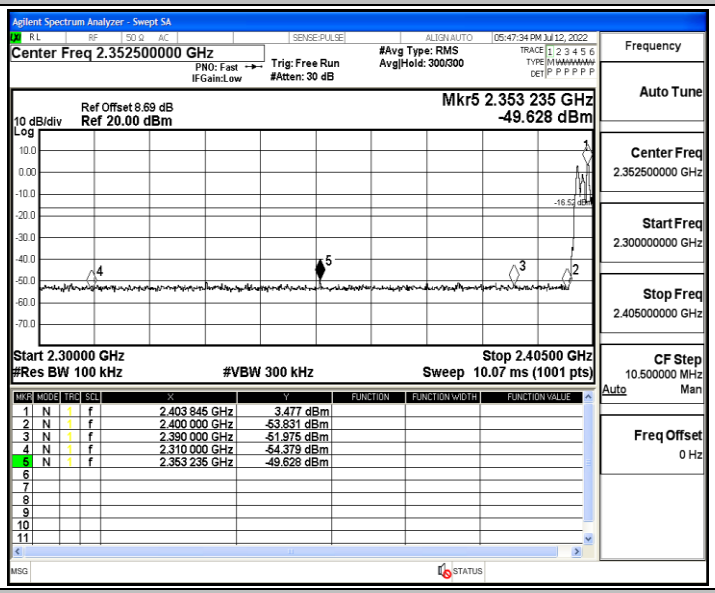
DH5_Ant1_Low_2402



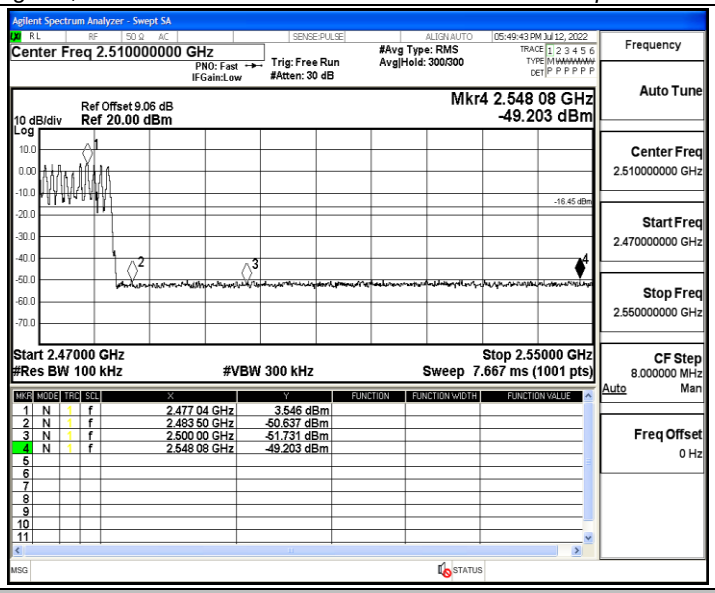
DH5_Ant1_High_2480



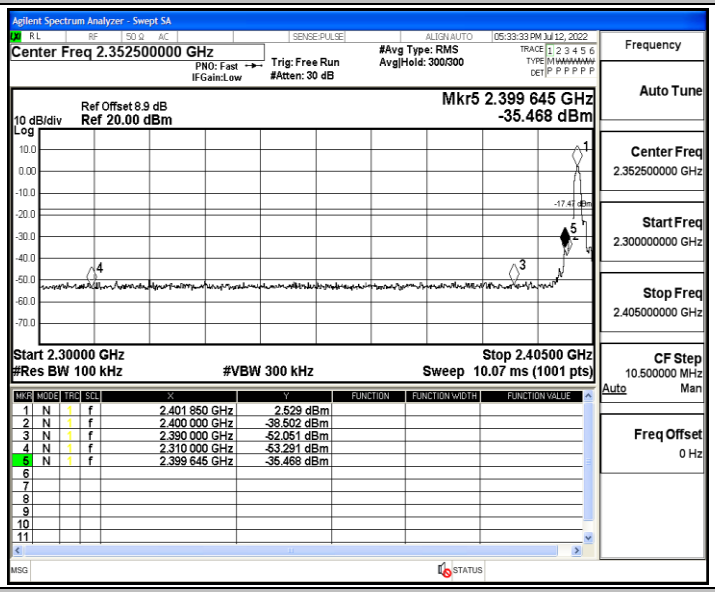
DH5_Ant1_Low_Hop_2402



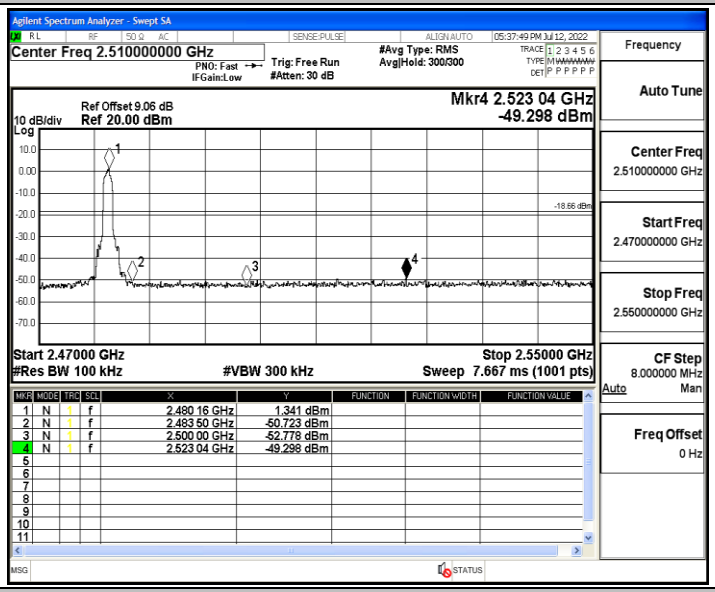
DH5_Ant1_High_Hop_2480



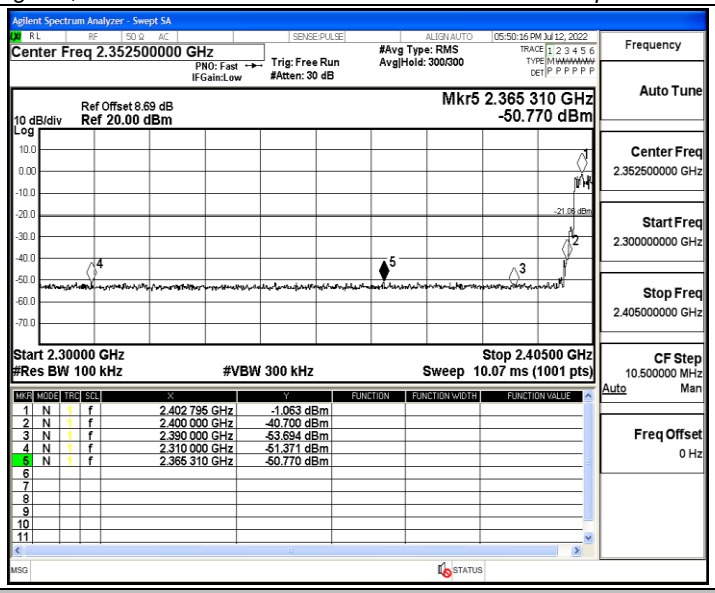
2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



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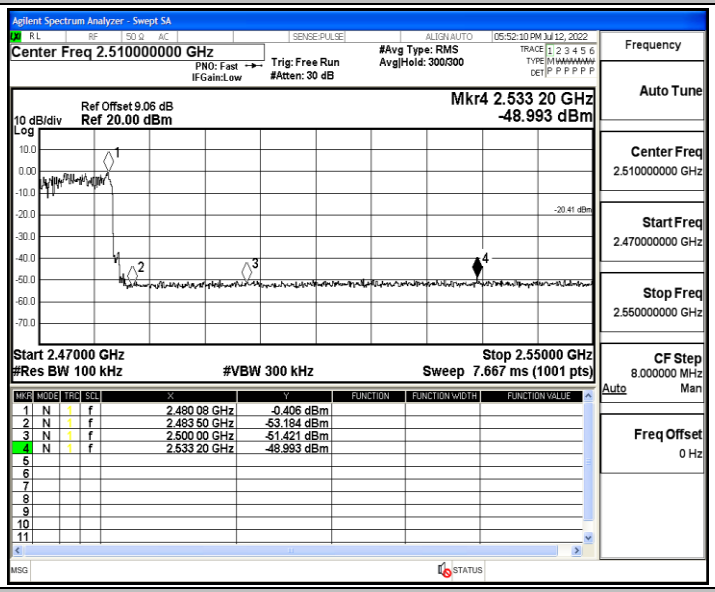
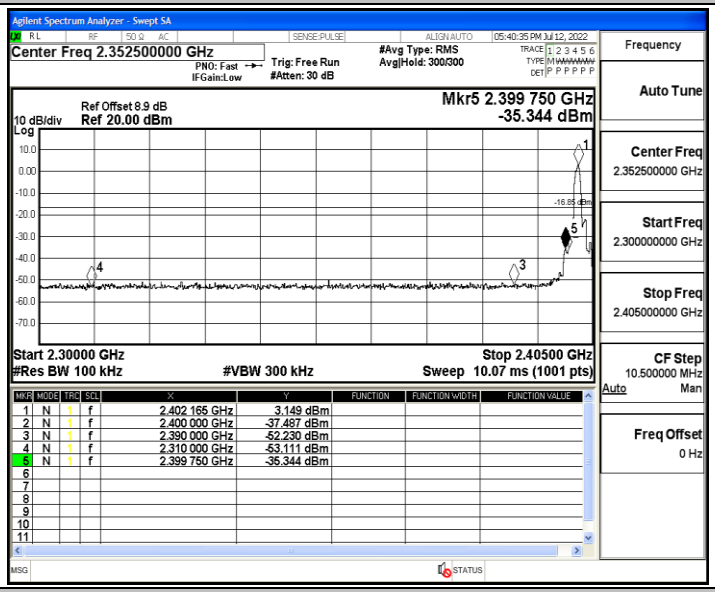


3DH5_Ant1_Low_2402



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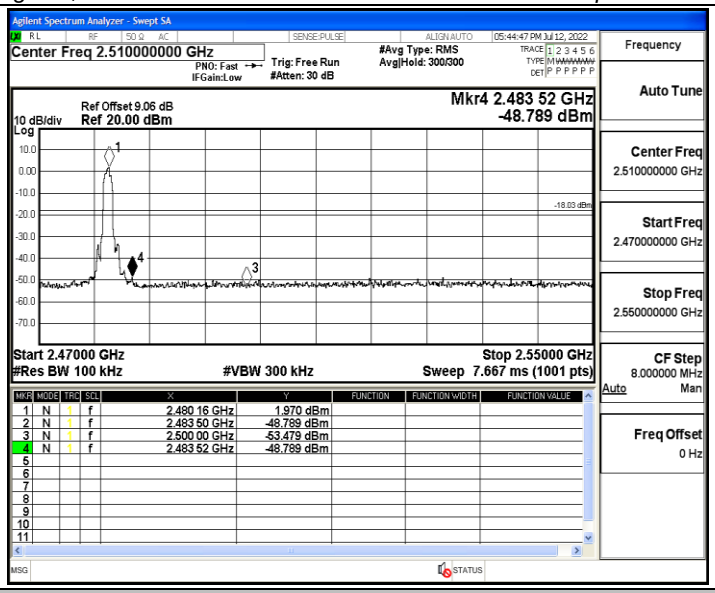
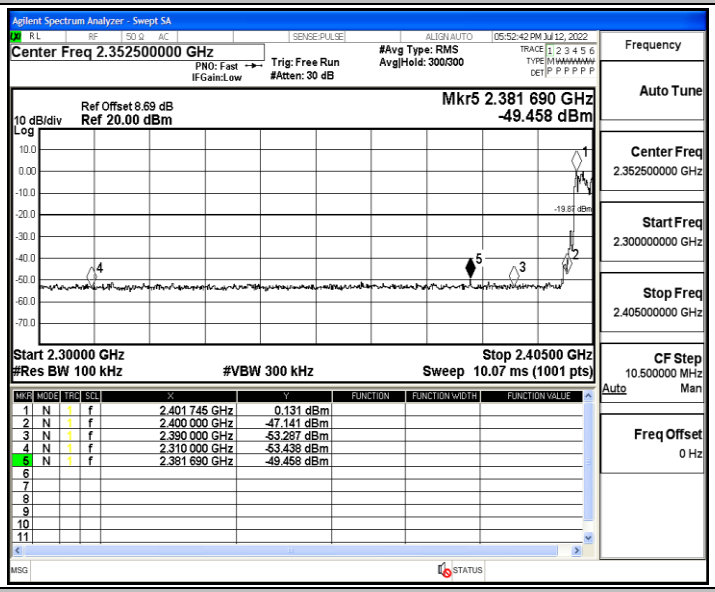
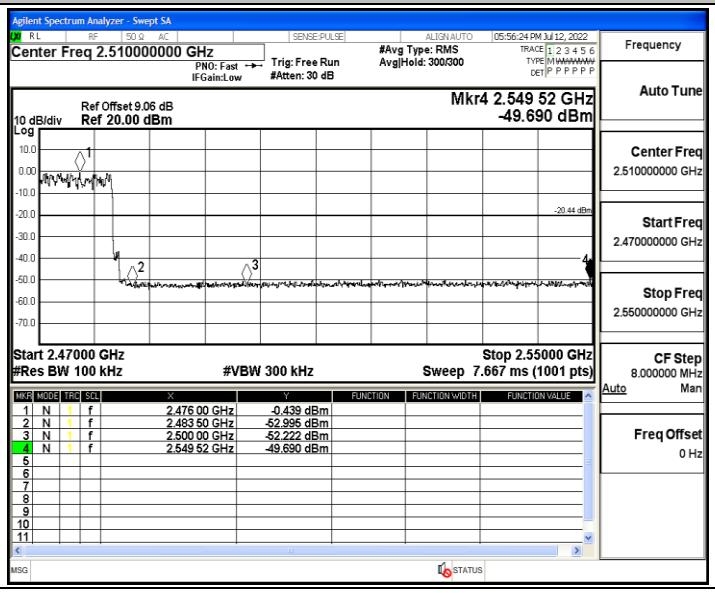


3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



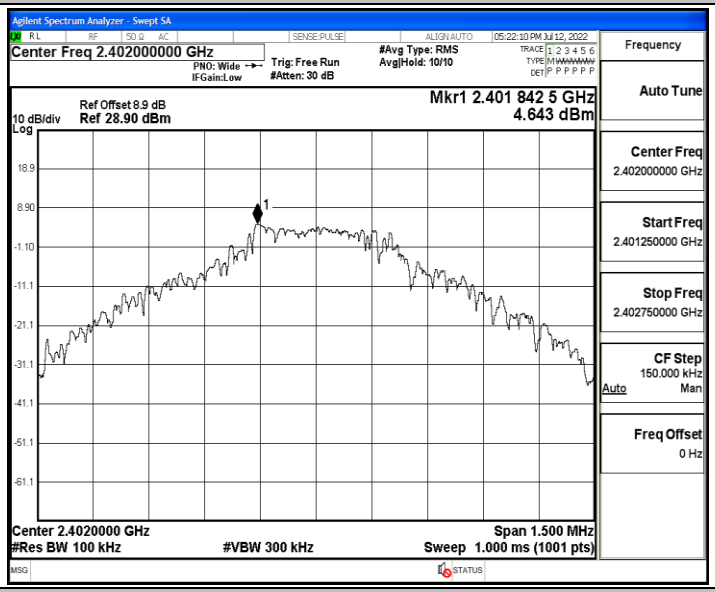
Appendix H: Conducted Spurious Emission

Test Result

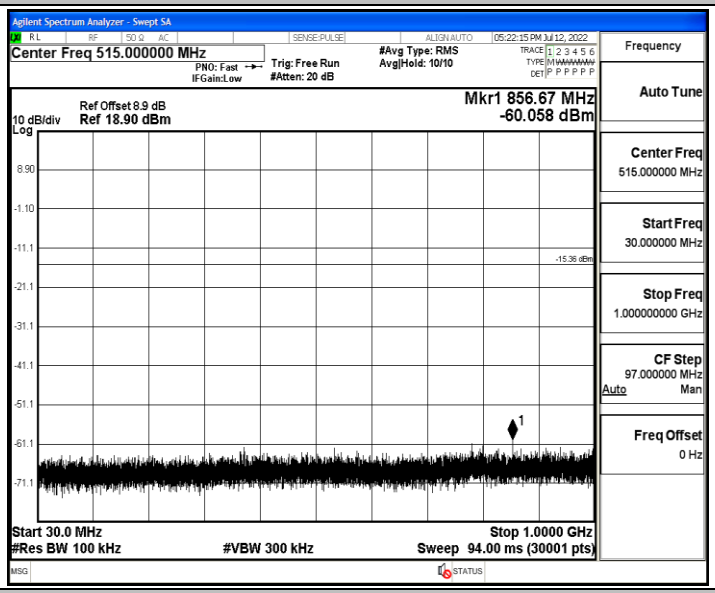
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.64	4.64	---	PASS
			30~1000	4.64	-60.06	≤-15.36	PASS
			1000~26500	4.64	-50.44	≤-15.36	PASS
		2441	Reference	4.01	4.01	---	PASS
			30~1000	4.01	-61.57	≤-15.99	PASS
			1000~26500	4.01	-50.35	≤-15.99	PASS
		2480	Reference	2.81	2.81	---	PASS
			30~1000	2.81	-61.09	≤-17.19	PASS
			1000~26500	2.81	-49.37	≤-17.19	PASS
2DH5	Ant1	2402	Reference	1.29	1.29	---	PASS
			30~1000	1.29	-61.81	≤-18.71	PASS
			1000~26500	1.29	-50.67	≤-18.71	PASS
		2441	Reference	0.77	0.77	---	PASS
			30~1000	0.77	-60.85	≤-19.23	PASS
			1000~26500	0.77	-50.49	≤-19.23	PASS
		2480	Reference	1.55	1.55	---	PASS
			30~1000	1.55	-61.21	≤-18.45	PASS
			1000~26500	1.55	-50.98	≤-18.45	PASS
3DH5	Ant1	2402	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-61.63	≤-18.76	PASS
			1000~26500	1.24	-51.49	≤-18.76	PASS
		2441	Reference	-0.03	-0.03	---	PASS
			30~1000	-0.03	-62.04	≤-20.03	PASS
			1000~26500	-0.03	-50.92	≤-20.03	PASS
		2480	Reference	-0.47	-0.47	---	PASS
			30~1000	-0.47	-60.85	≤-20.47	PASS
			1000~26500	-0.47	-50.32	≤-20.47	PASS

Test Graphs

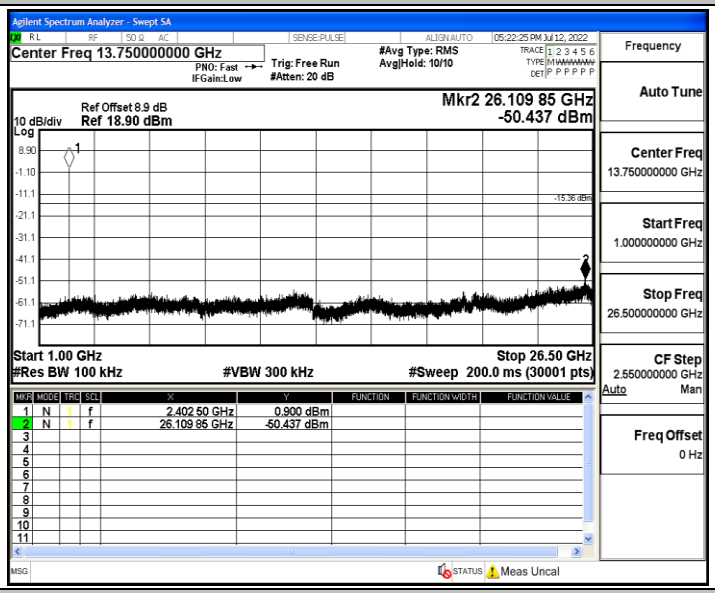
DH5_Ant1_2402_0~Reference



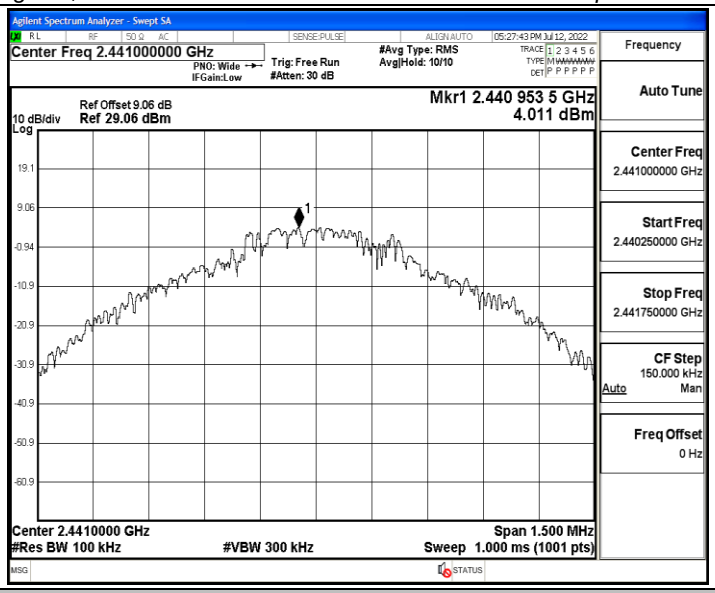
DH5_Ant1_2402_30~1000



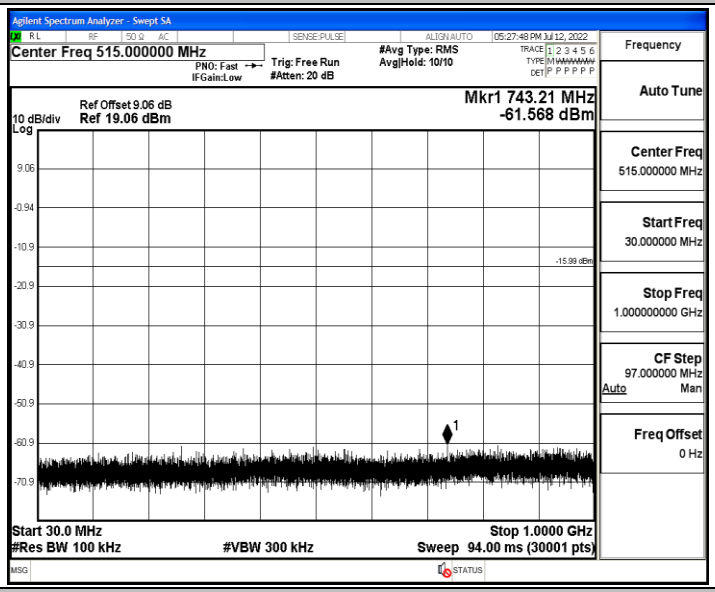
DH5_Ant1_2402_1000~26500



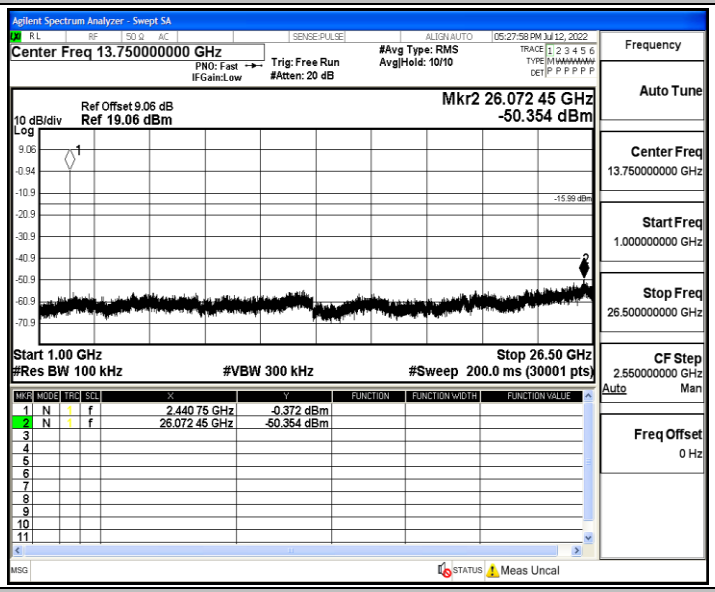
DH5_Ant1_2441_0~Reference



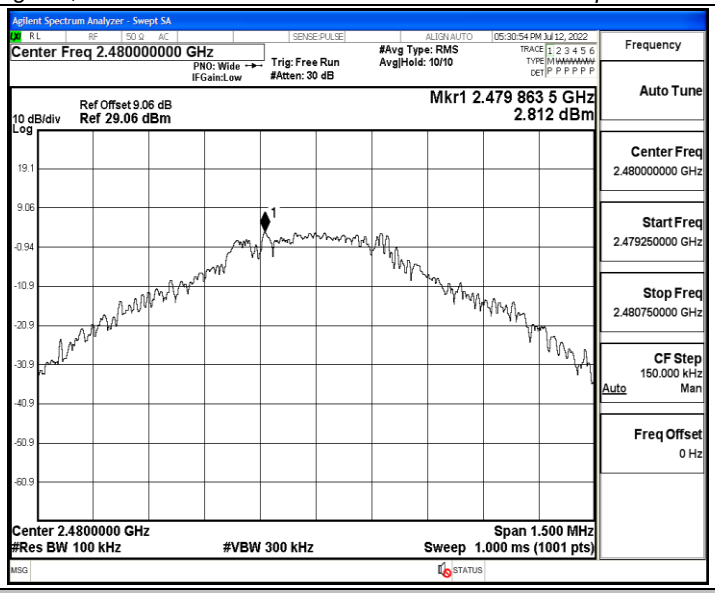
DH5_Ant1_2441_30~1000



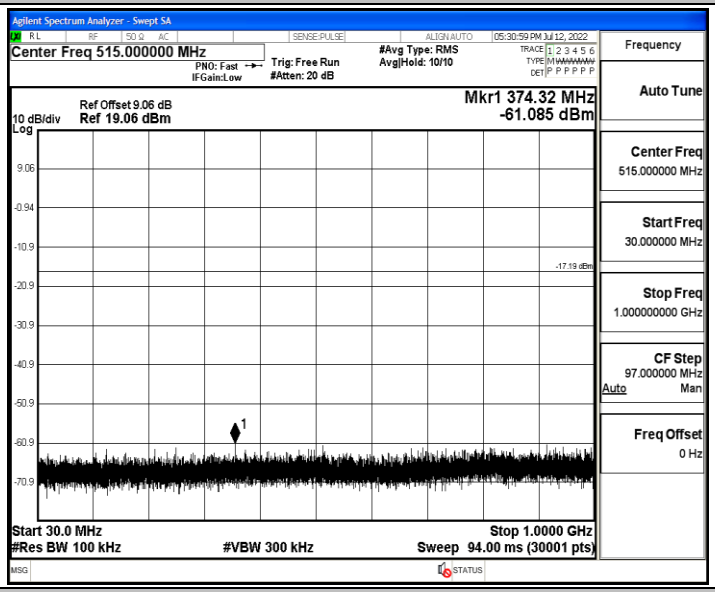
DH5_Ant1_2441_1000~26500



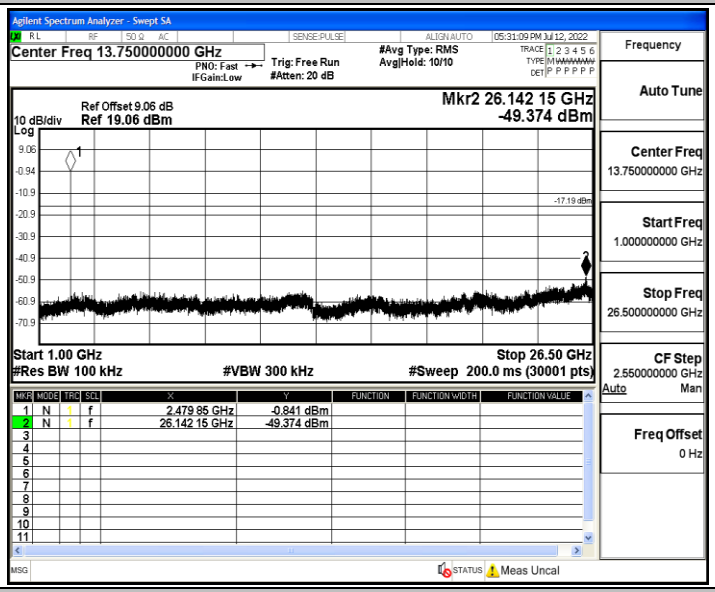
DH5_Ant1_2480_0~Reference



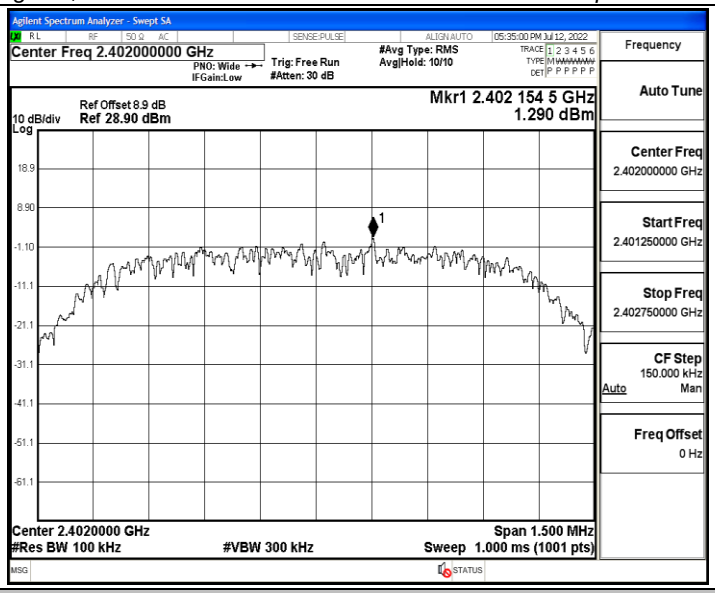
DH5_Ant1_2480_30~1000



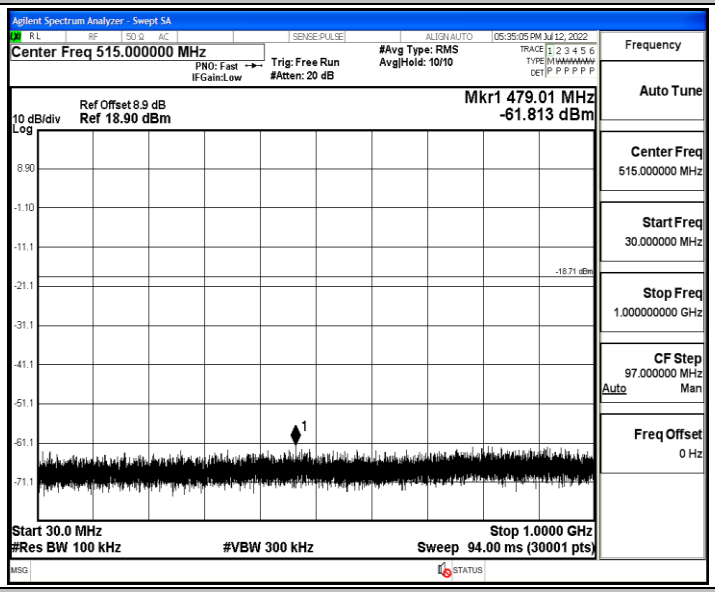
DH5_Ant1_2480_1000~26500



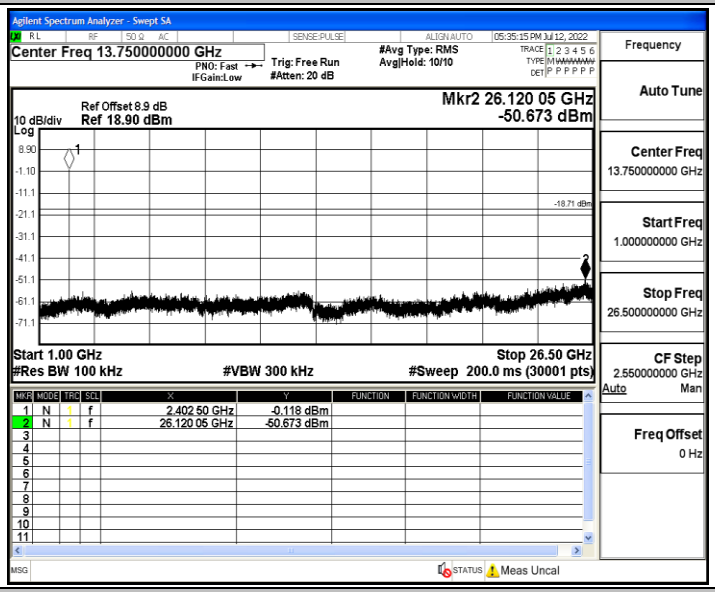
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



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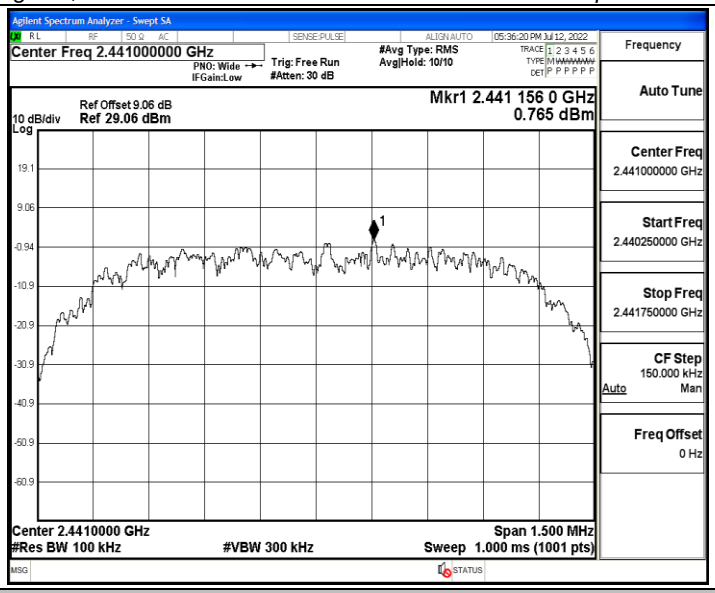

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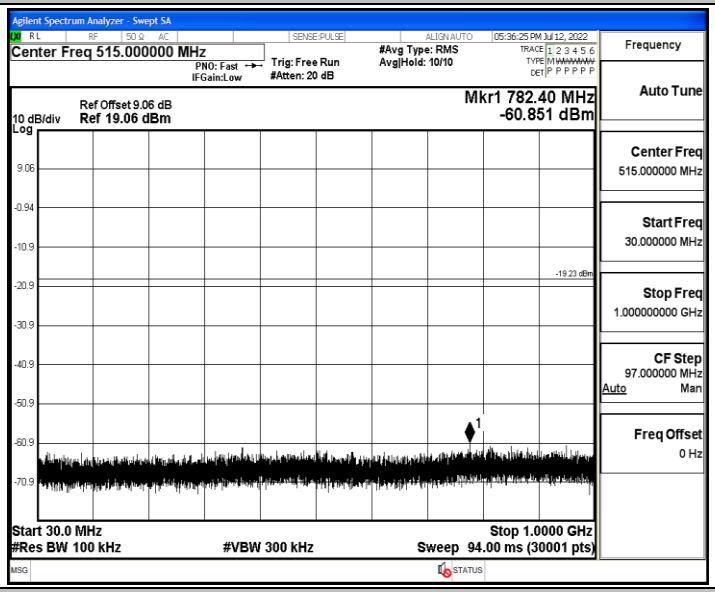
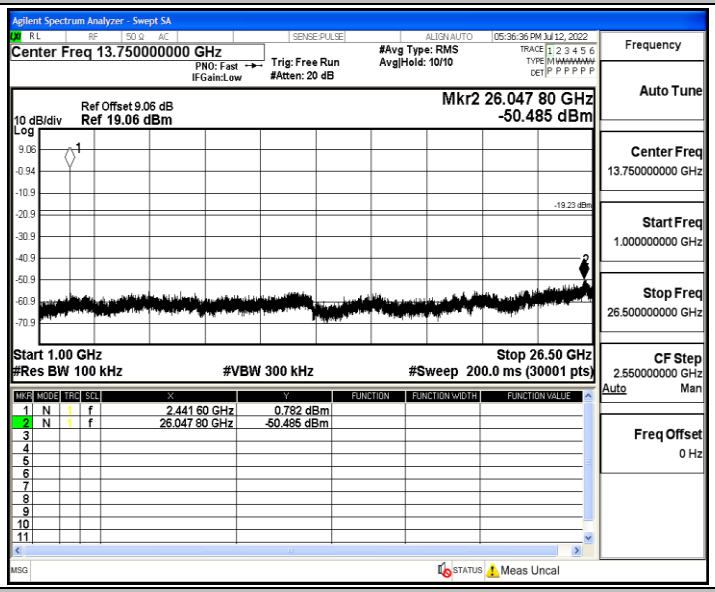
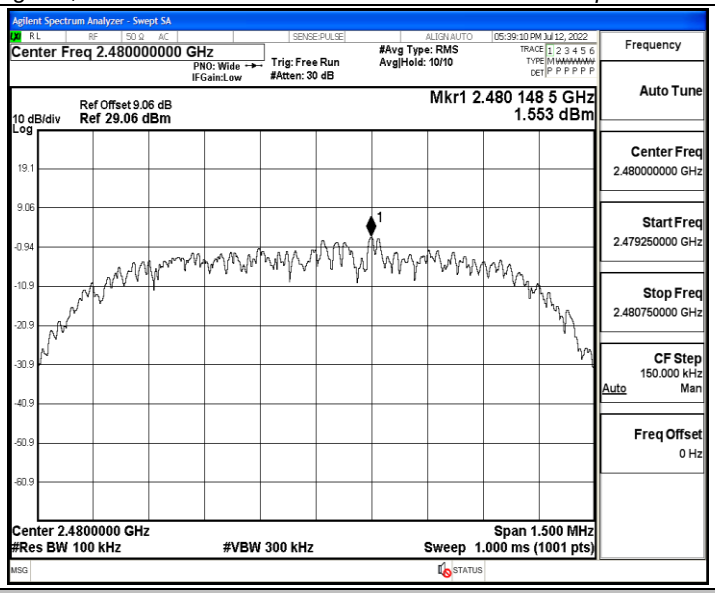


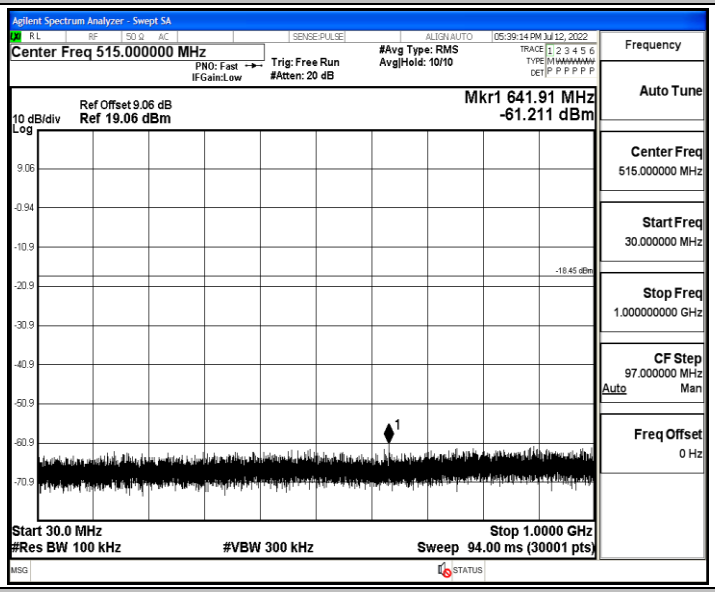
2DH5_Ant1_2441_1000~26500



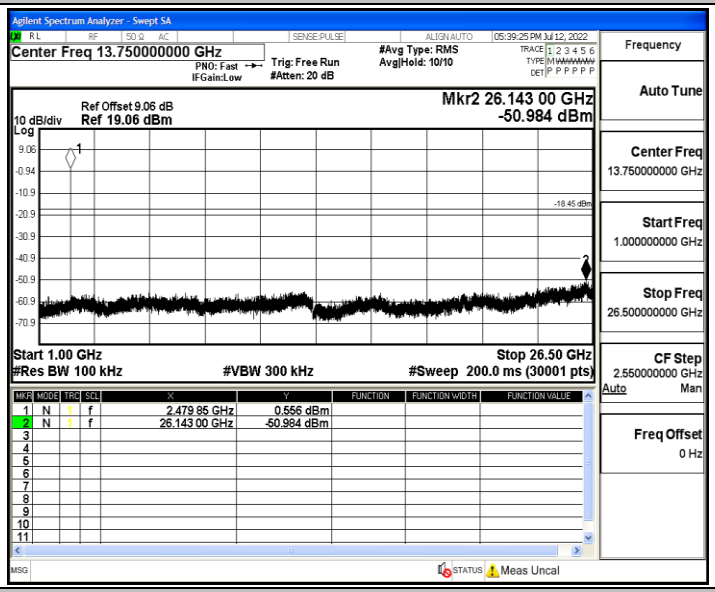
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500



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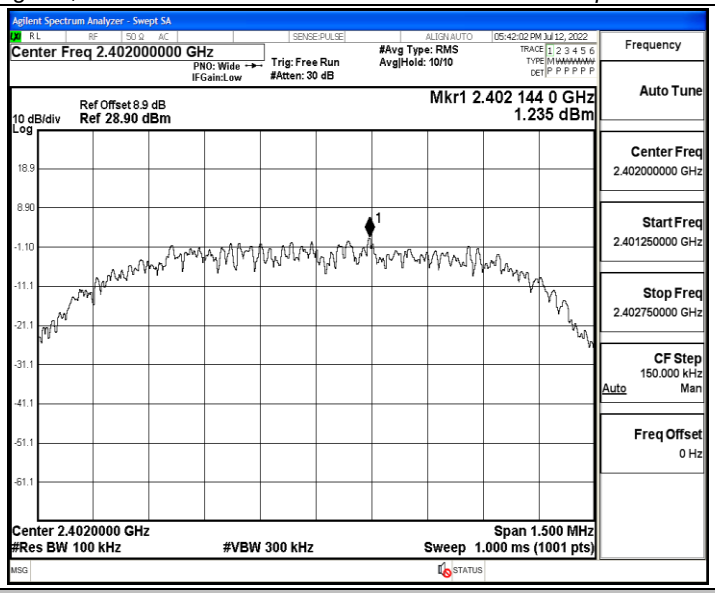
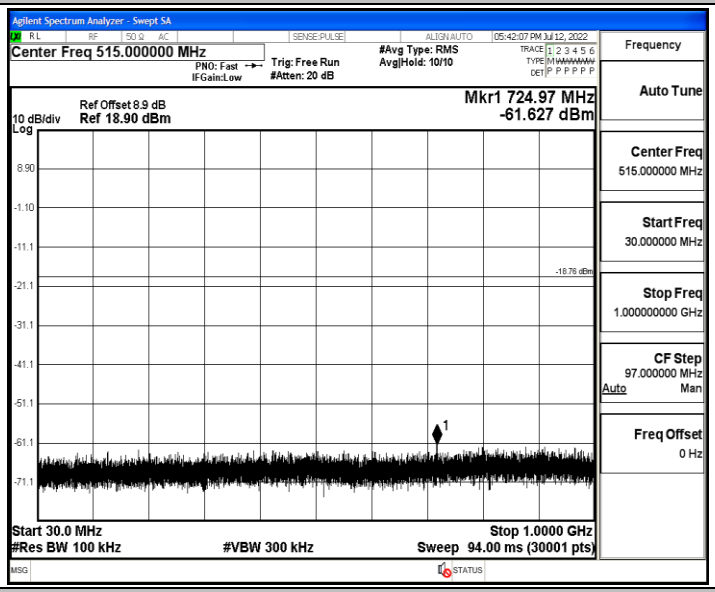


3DH5_Ant1_2402_30~1000



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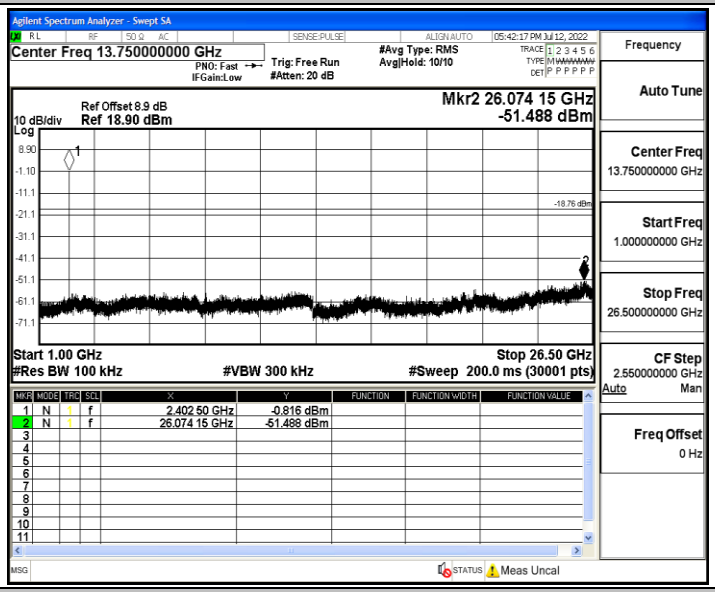

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