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

Product Name: MP3

Trade Mark: MAIKELU

Test Model: M1

FCC ID: 2BABL-M1

Environmental Conditions

Temperature:	25.3℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

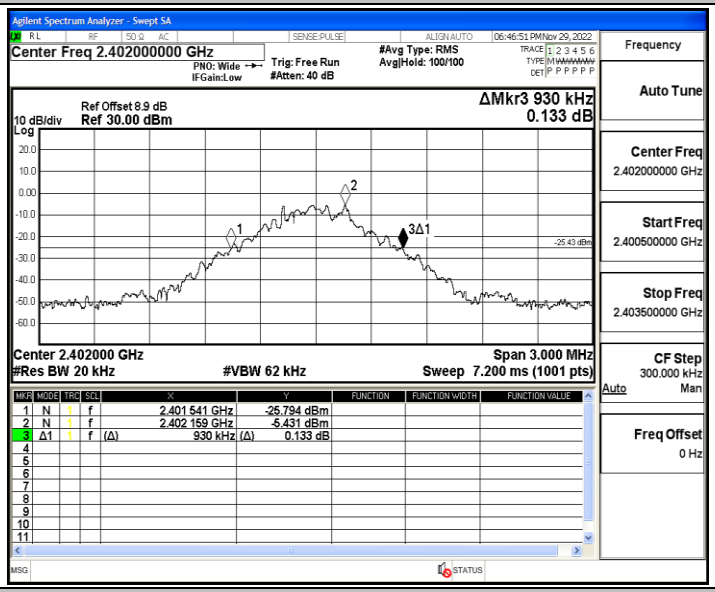
Appendix A: 20dB Emission Bandwidth

Test Result

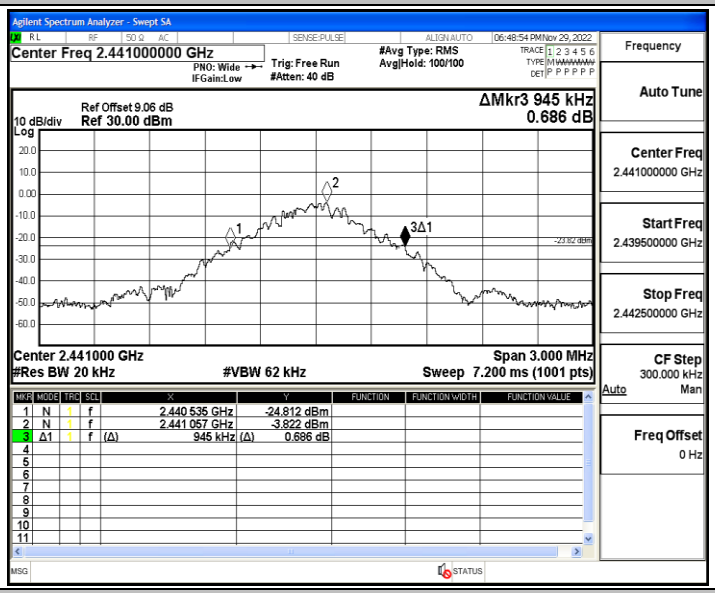
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.930	2401.541	2402.471	---	---
		2441	0.945	2440.535	2441.480	---	---
		2480	0.933	2479.538	2480.471	---	---
2DH5	Ant1	2402	1.335	2401.328	2402.663	---	---
		2441	1.332	2440.331	2441.663	---	---
		2480	1.290	2479.358	2480.648	---	---
3DH5	Ant1	2402	1.305	2401.346	2402.651	---	---
		2441	1.281	2440.346	2441.627	---	---
		2480	1.290	2479.349	2480.639	---	---

Test Graphs

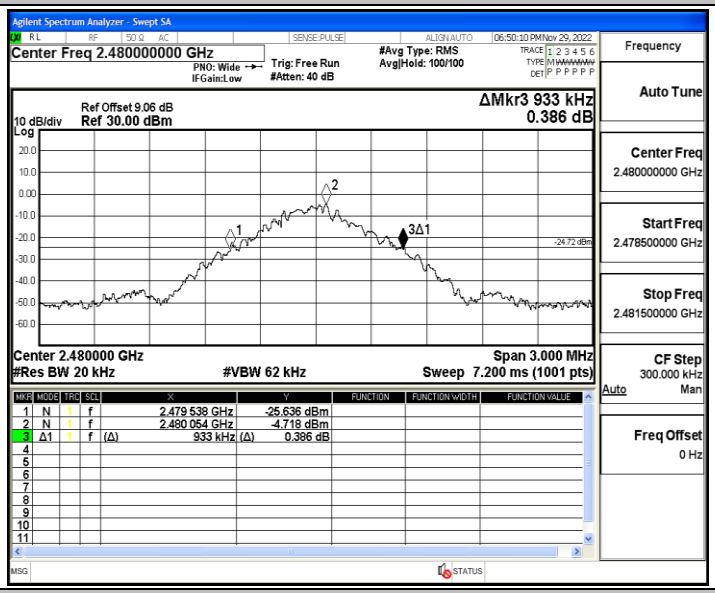
DH5_Ant1_2402



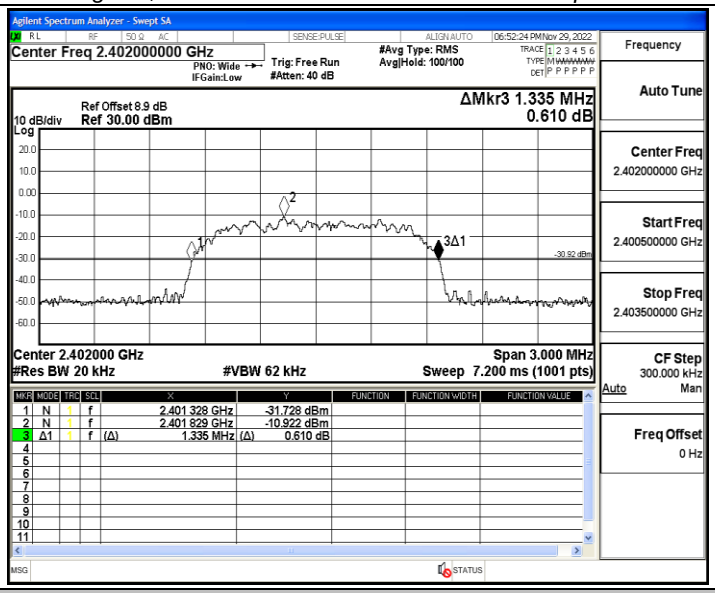
DH5_Ant1_2441



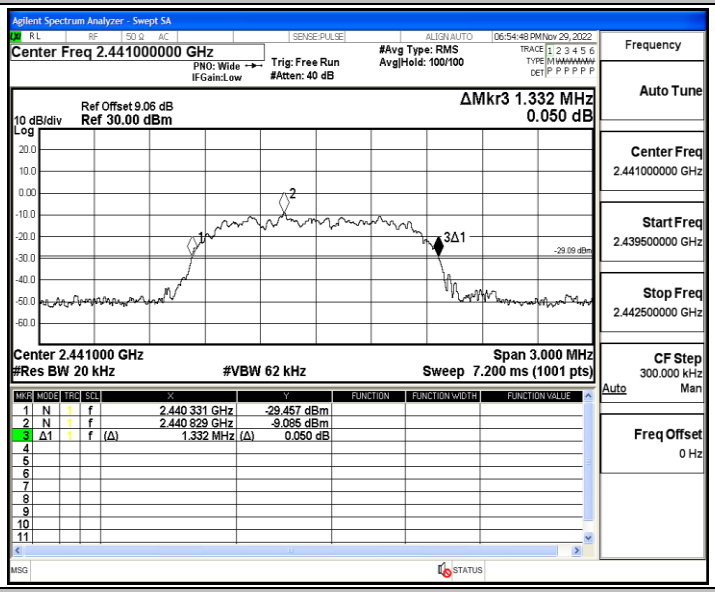
DH5_Ant1_2480



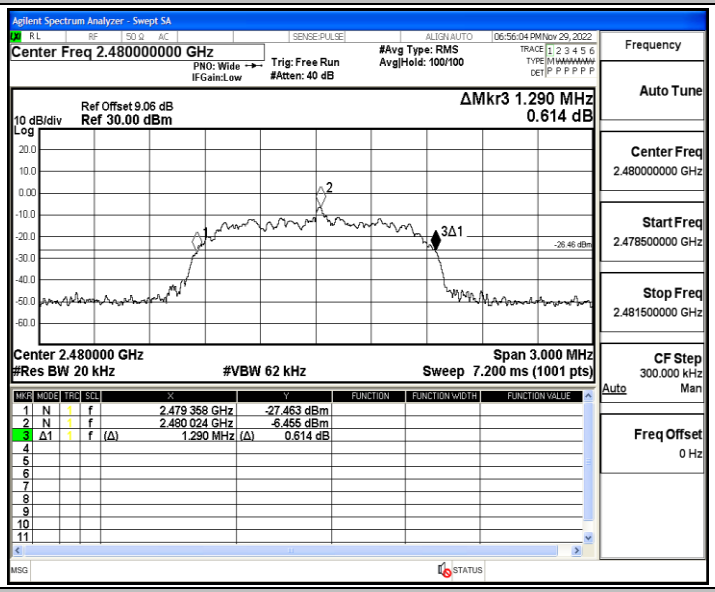
2DH5_Ant1_2402



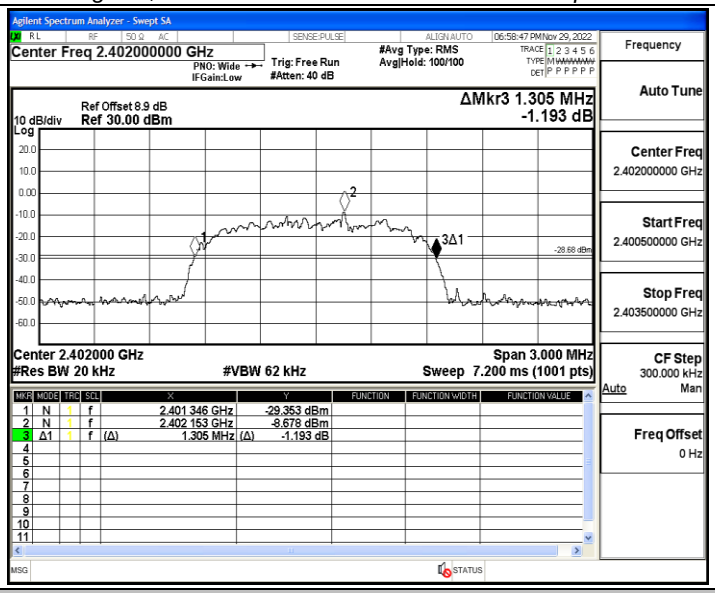
2DH5_Ant1_2441



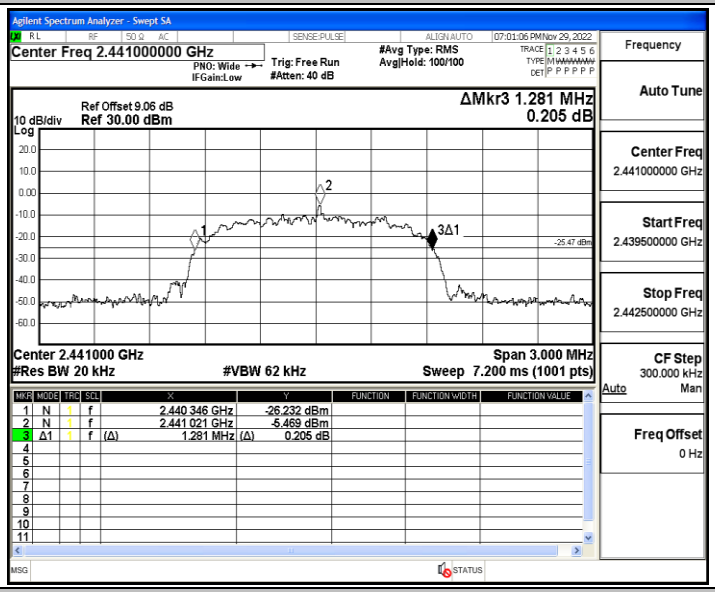
2DH5_Ant1_2480



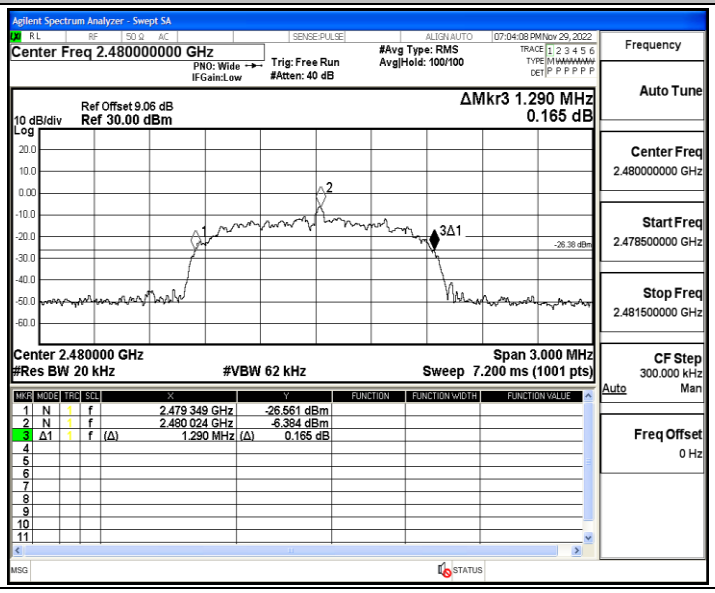
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



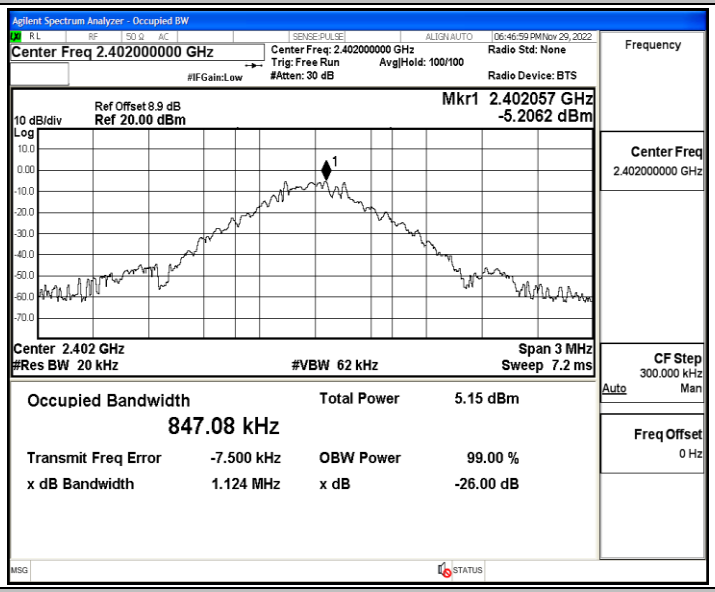
Appendix B: Occupied Channel Bandwidth

Test Result

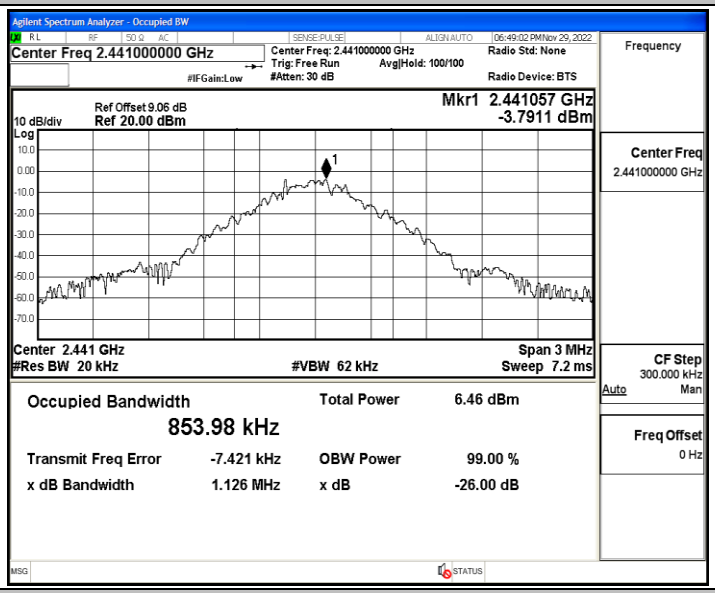
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84708	2401.5690	2402.4160	---	---
		2441	0.85398	2440.5656	2441.4196	---	---
		2480	0.85262	2479.5667	2480.4193	---	---
2DH5	Ant1	2402	1.1941	2401.4002	2402.5943	---	---
		2441	1.1915	2440.4020	2441.5935	---	---
		2480	1.1869	2479.4028	2480.5897	---	---
3DH5	Ant1	2402	1.2000	2401.3893	2402.5893	---	---
		2441	1.1925	2440.3951	2441.5876	---	---
		2480	1.1929	2479.3936	2480.5865	---	---

Test Graphs

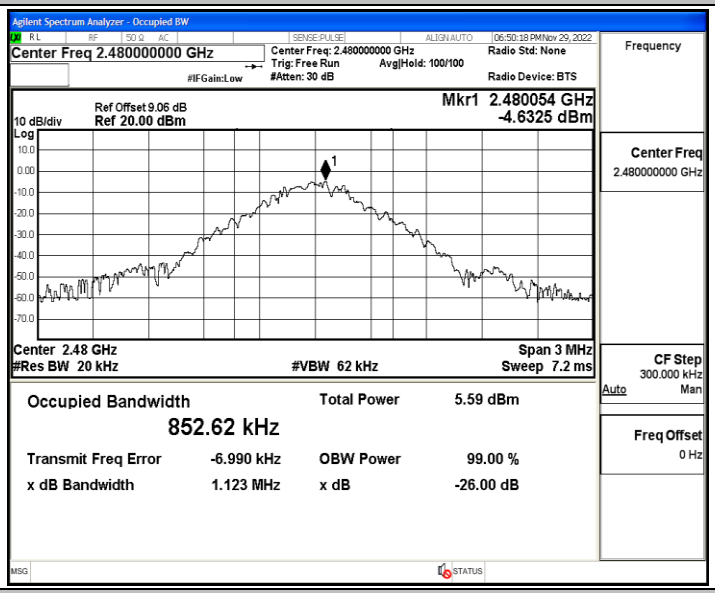
DH5_Ant1_2402



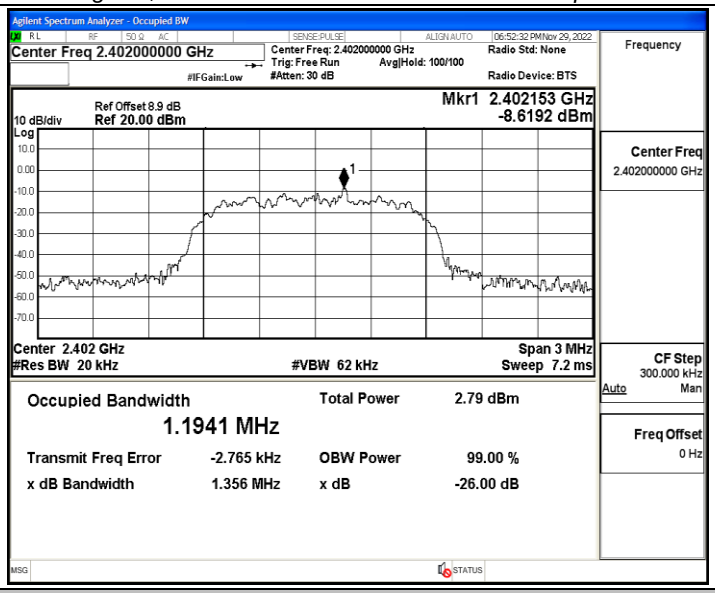
DH5_Ant1_2441



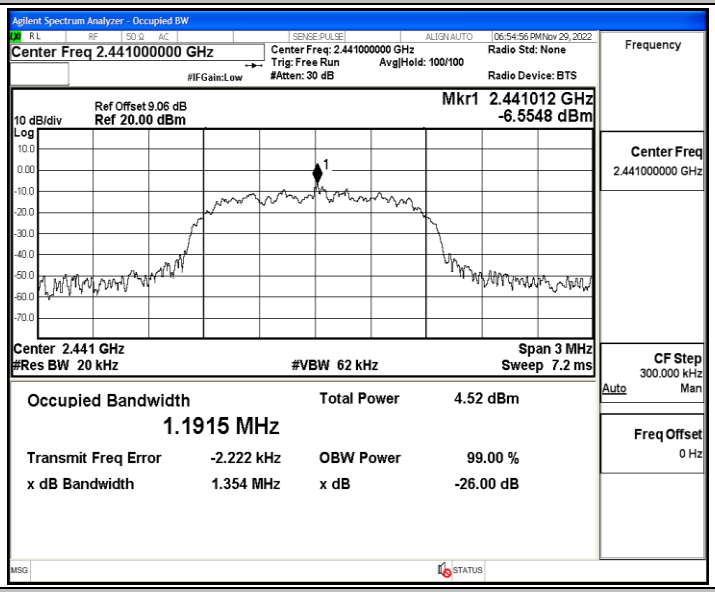
DH5_Ant1_2480



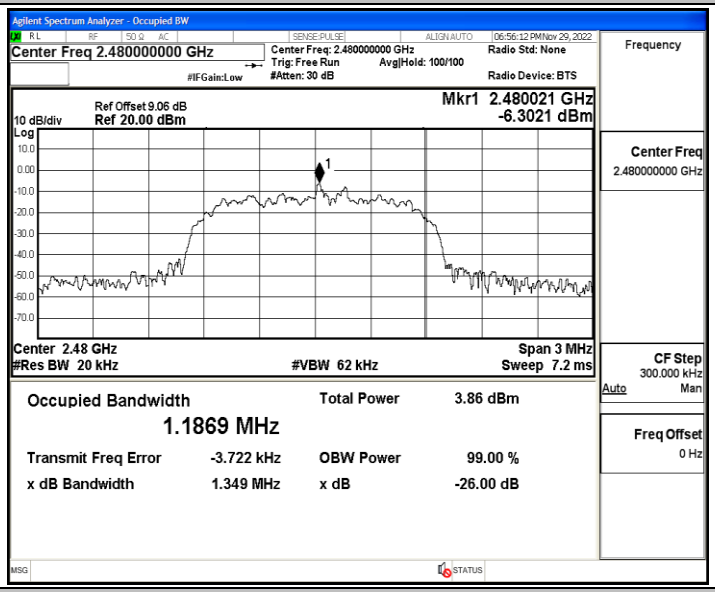
2DH5_Ant1_2402



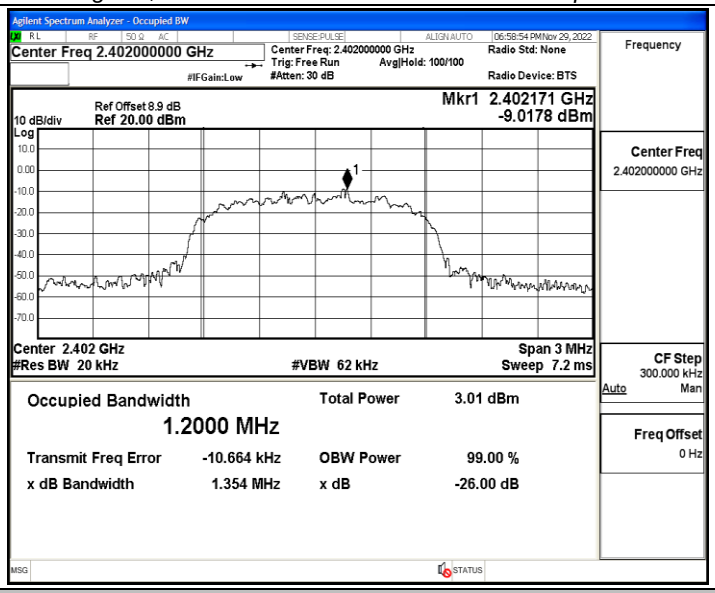
2DH5_Ant1_2441



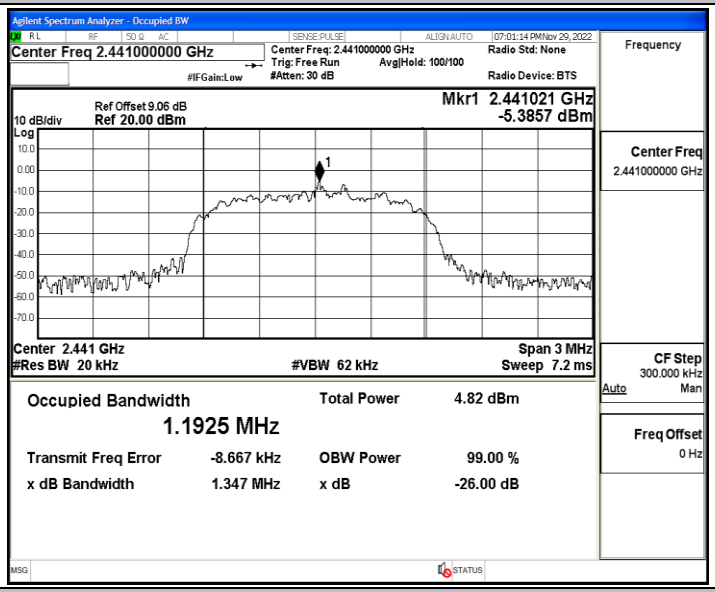
2DH5_Ant1_2480



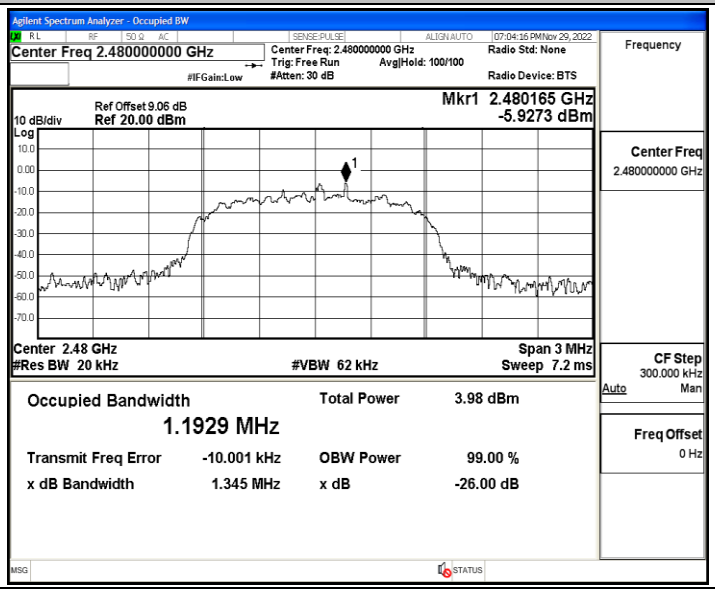
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



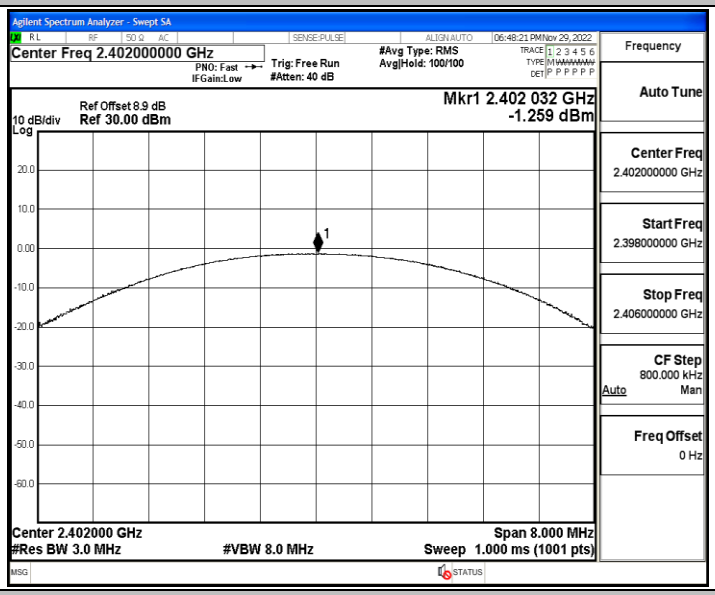
Appendix C: Maximum Peak conducted output power

Test Result

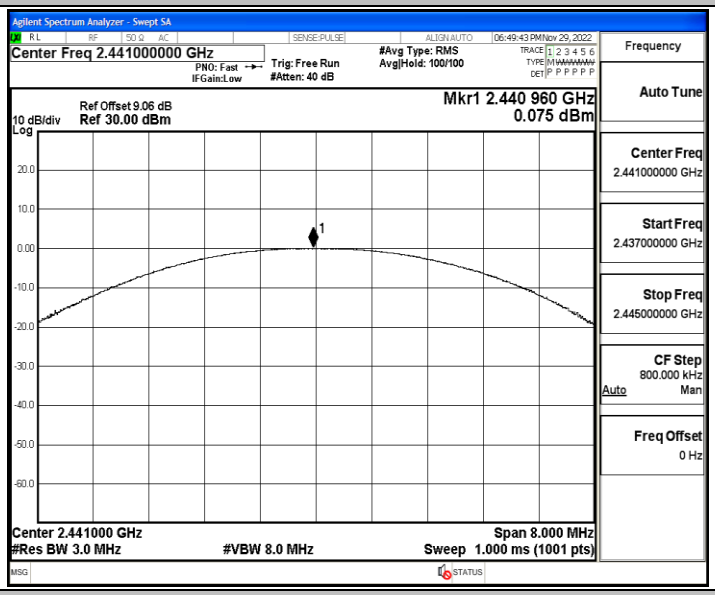
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-1.26	≤30.0	PASS
		2441	0.08	≤30.0	PASS
		2480	-1.09	≤30.0	PASS
2DH5	Ant1	2402	-0.94	≤20.97	PASS
		2441	0.39	≤20.97	PASS
		2480	-0.4	≤20.97	PASS
3DH5	Ant1	2402	-0.6	≤20.97	PASS
		2441	0.83	≤20.97	PASS
		2480	-0.21	≤20.97	PASS

Test Graphs

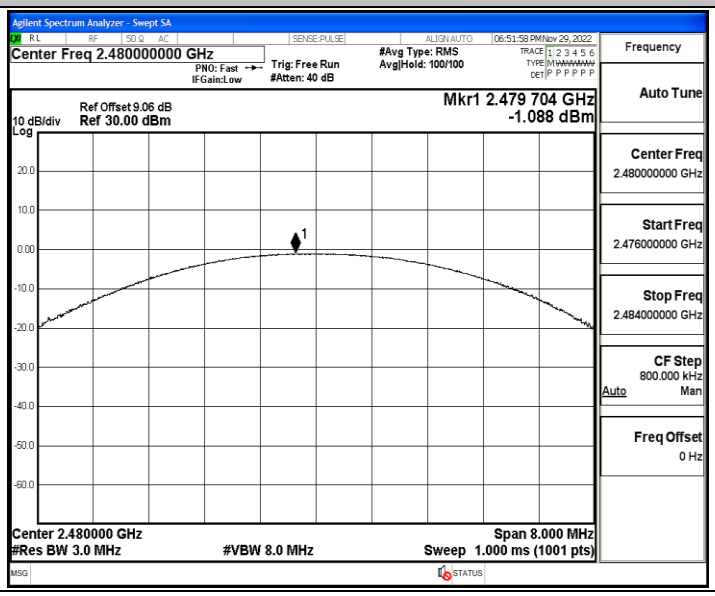
DH5_Ant1_2402



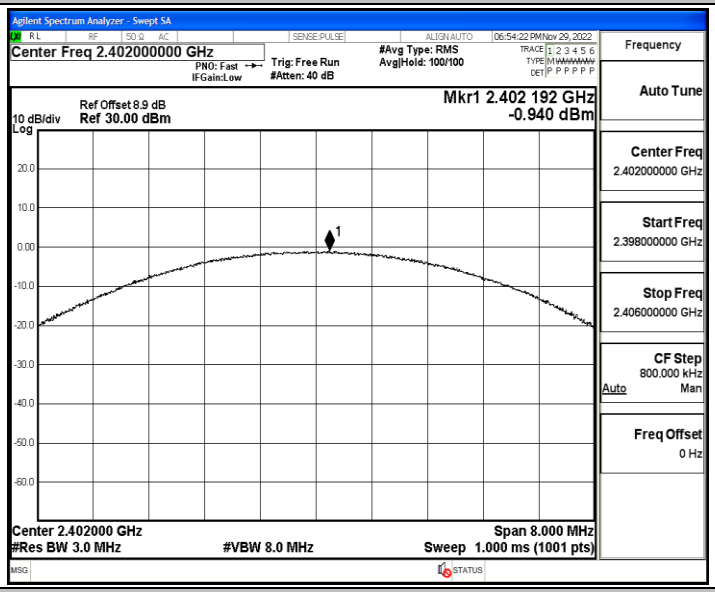
DH5_Ant1_2441



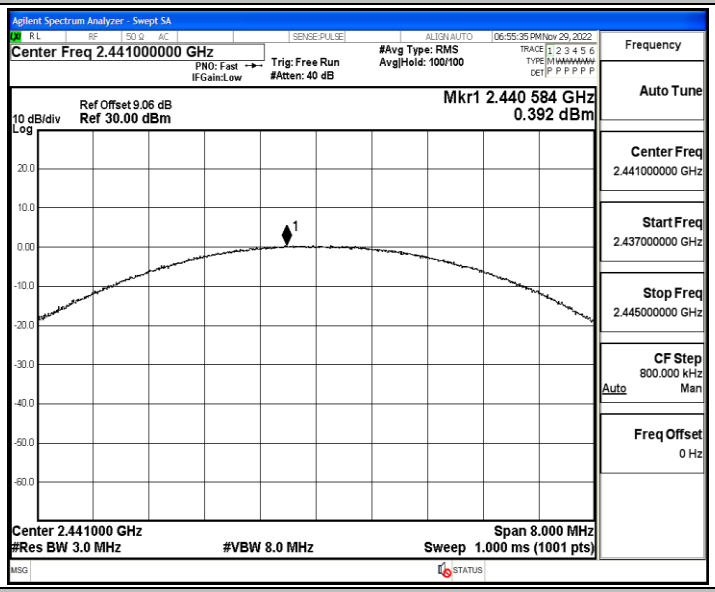
DH5_Ant1_2480



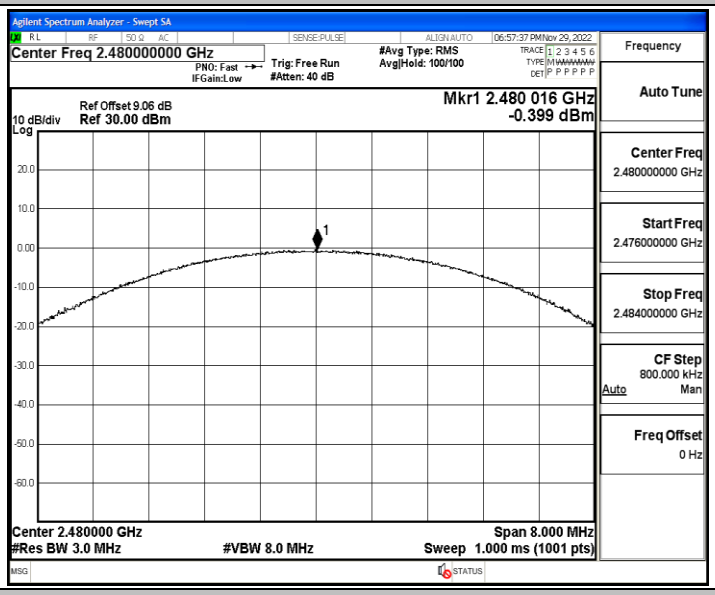
2DH5_Ant1_2402



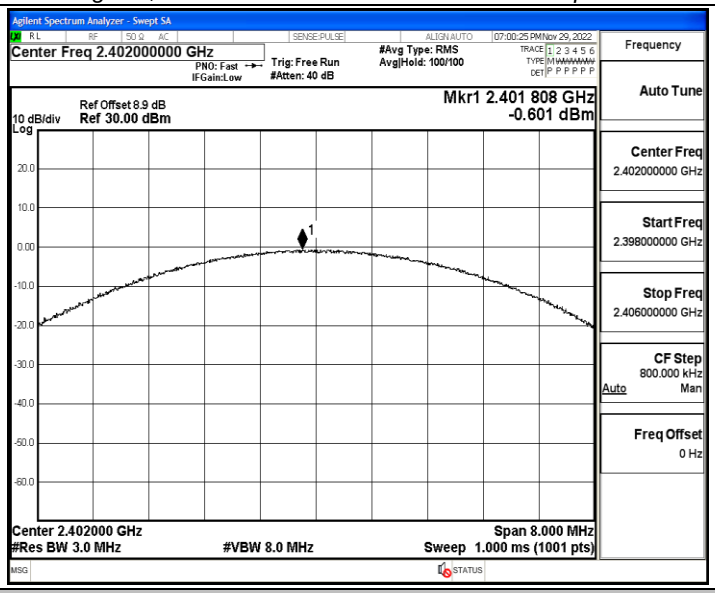
2DH5_Ant1_2441



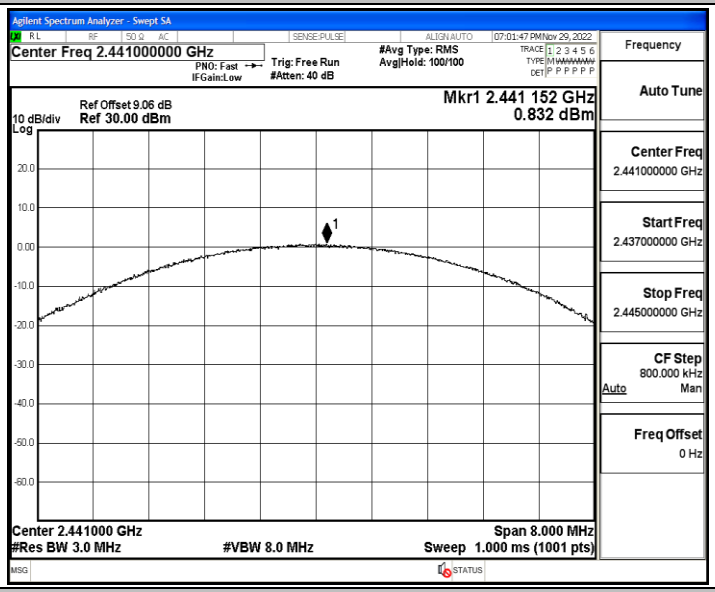
2DH5_Ant1_2480



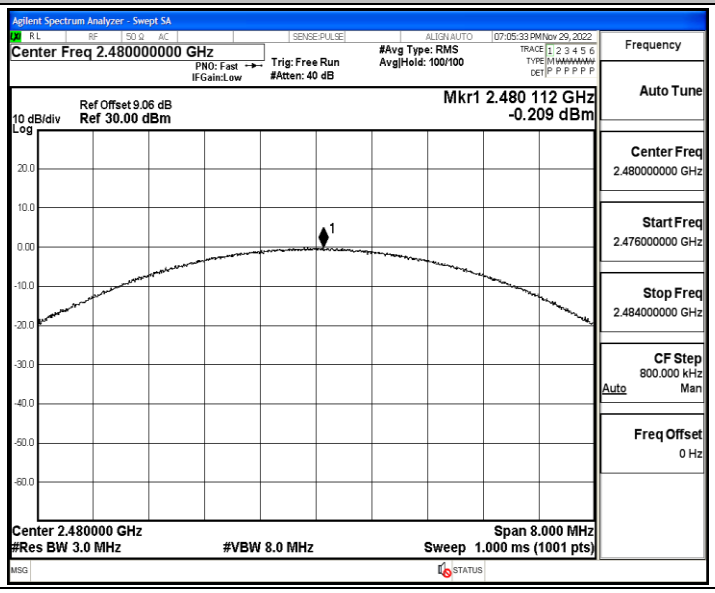
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



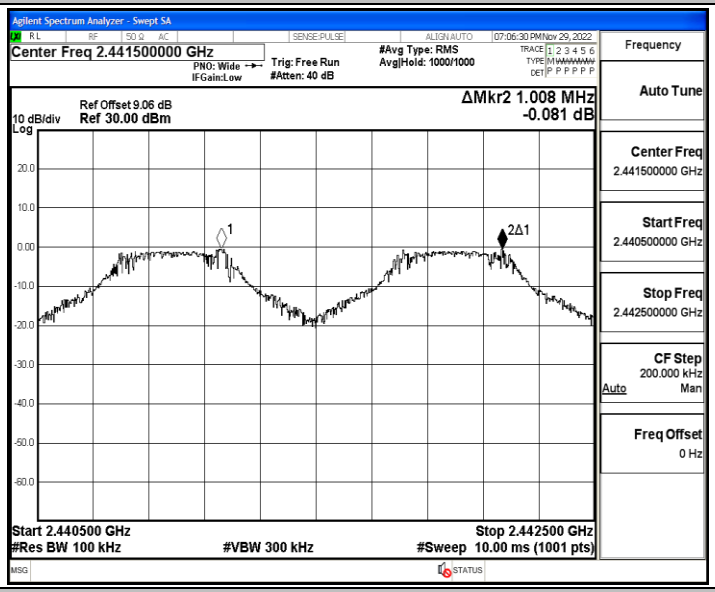
Appendix D: Carrier frequency separation

Test Result

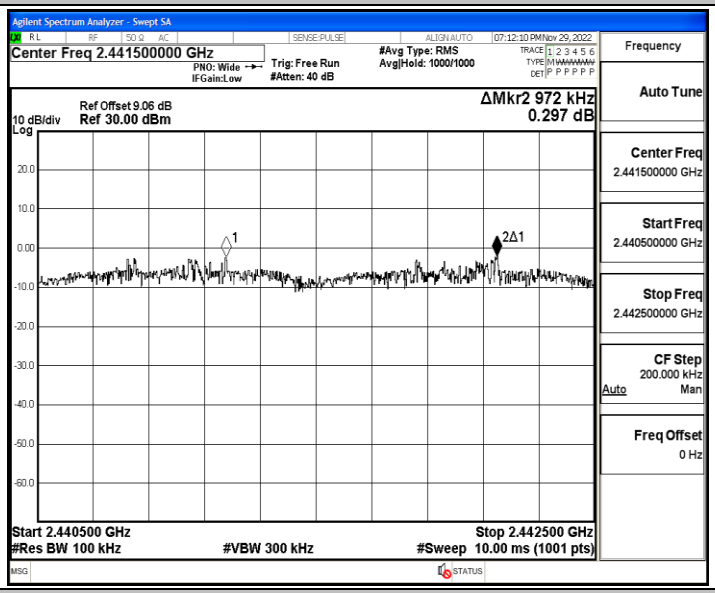
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.008	≥0.945	PASS
2DH5	Ant1	Hop	0.972	≥0.890	PASS
3DH5	Ant1	Hop	0.978	≥0.870	PASS

Test Graphs

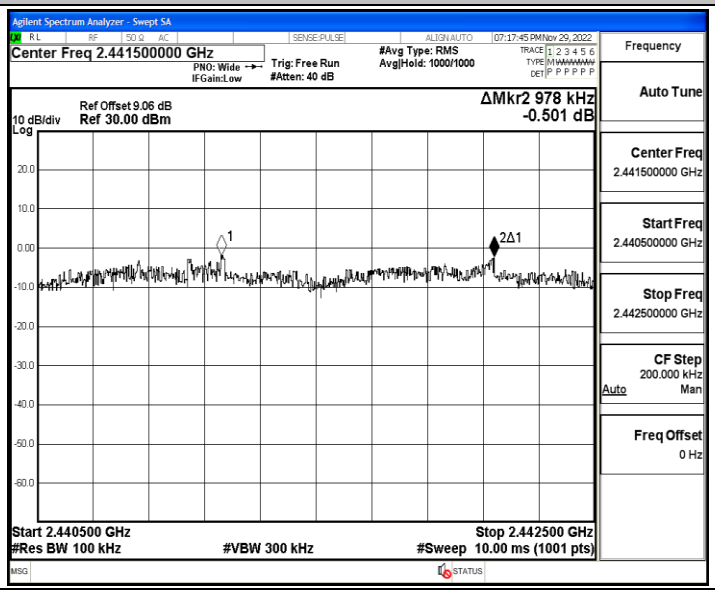
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

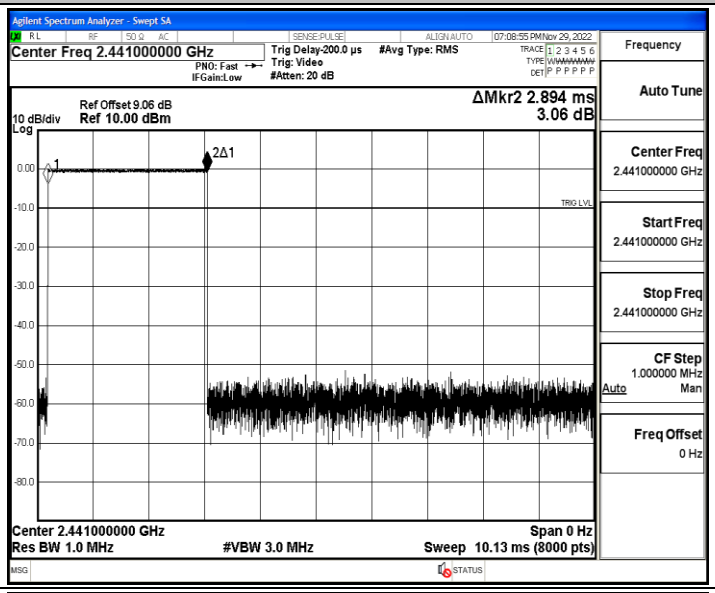
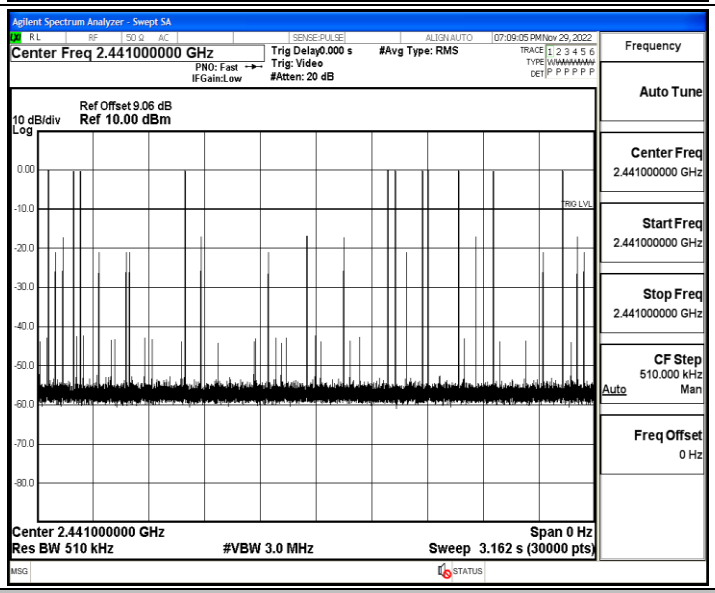
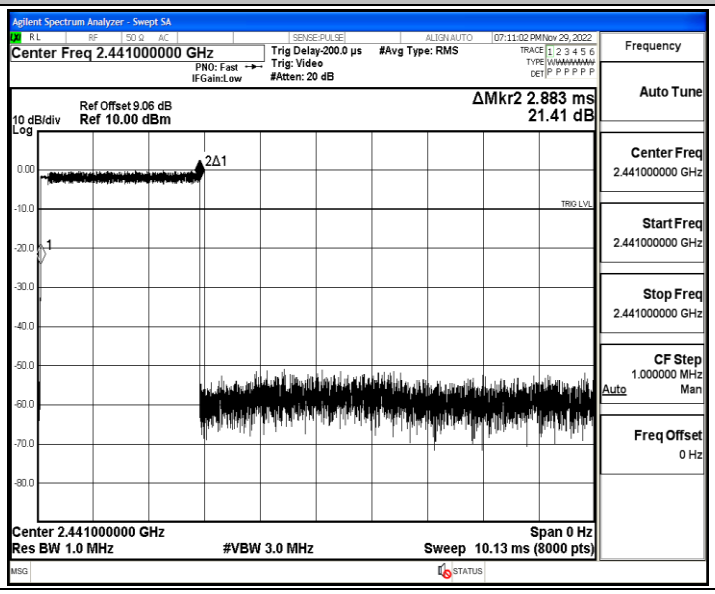


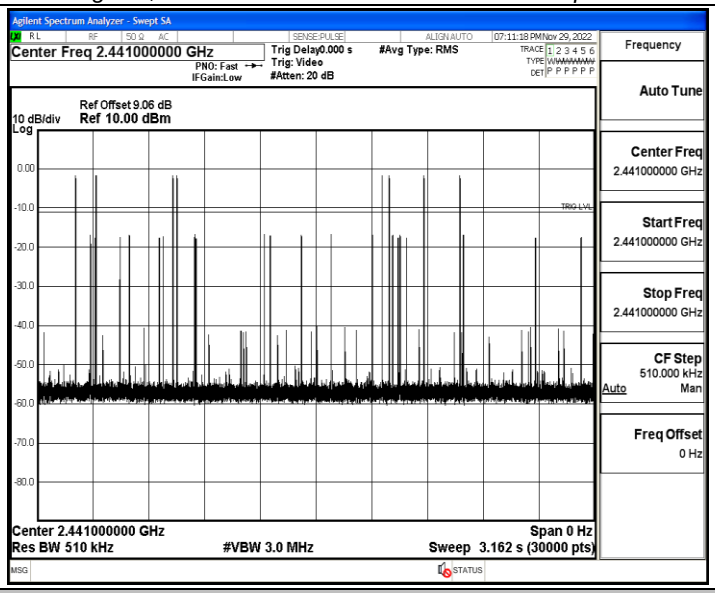
Appendix E: Time of occupancy

Test Result

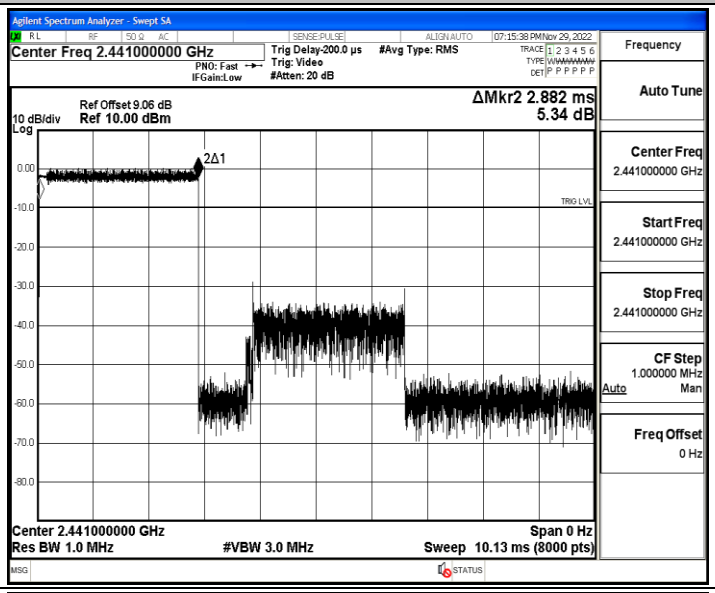
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.894	120	0.347	≤0.4	PASS
2DH5	Ant1	Hop	2.883	90	0.259	≤0.4	PASS
3DH5	Ant1	Hop	2.882	90	0.259	≤0.4	PASS

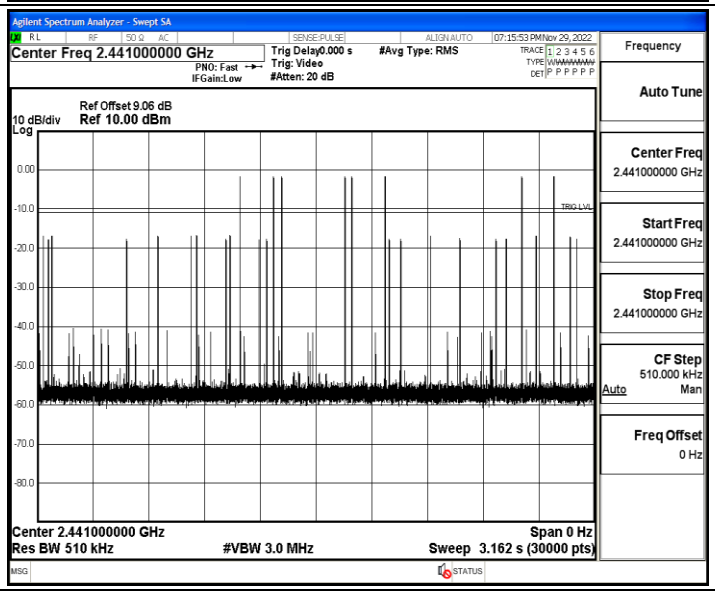
Test Graphs

DH5_Ant1_Hop


2DH5_Ant1_Hop




3DH5_Ant1_Hop





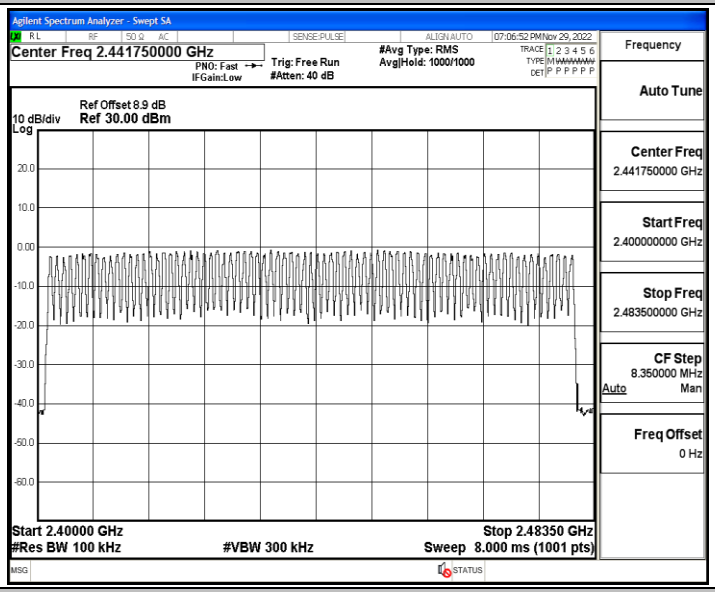
Appendix F: Number of hopping channels

Test Result

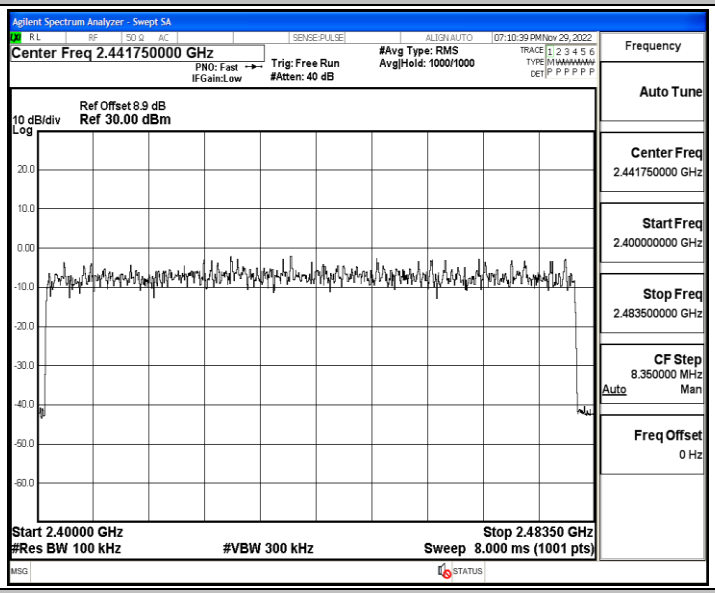
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

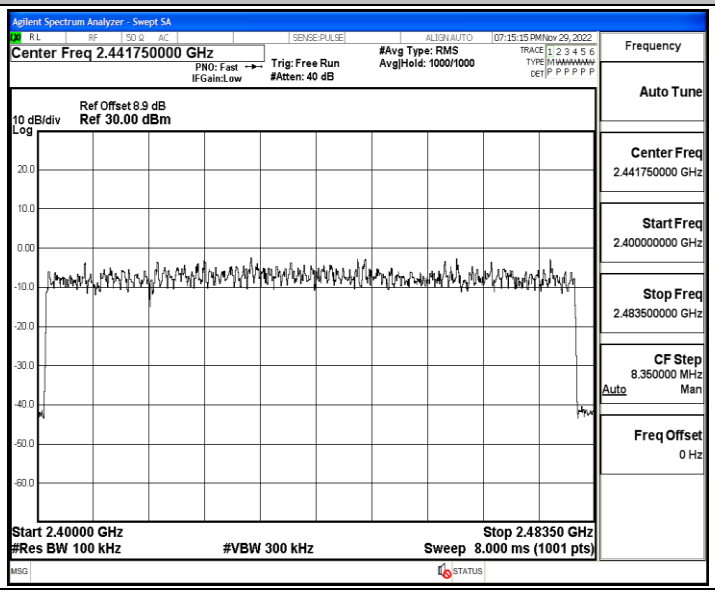
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



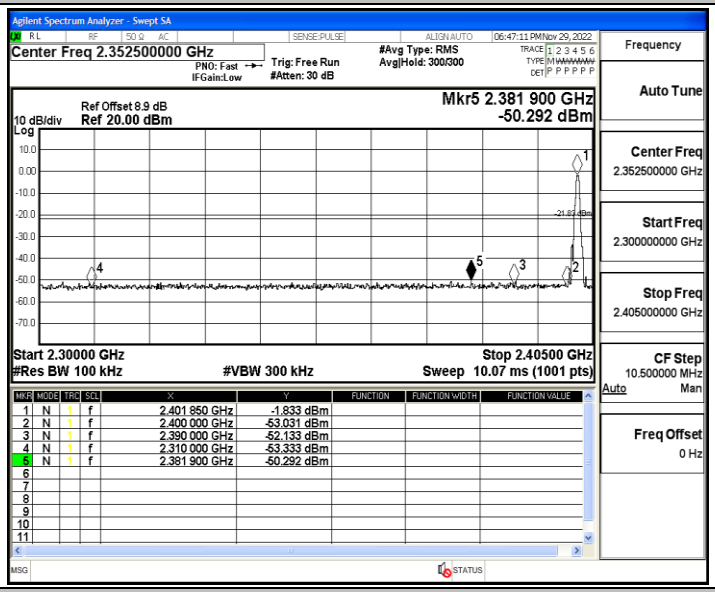
Appendix G: Band edge measurements

Test Result

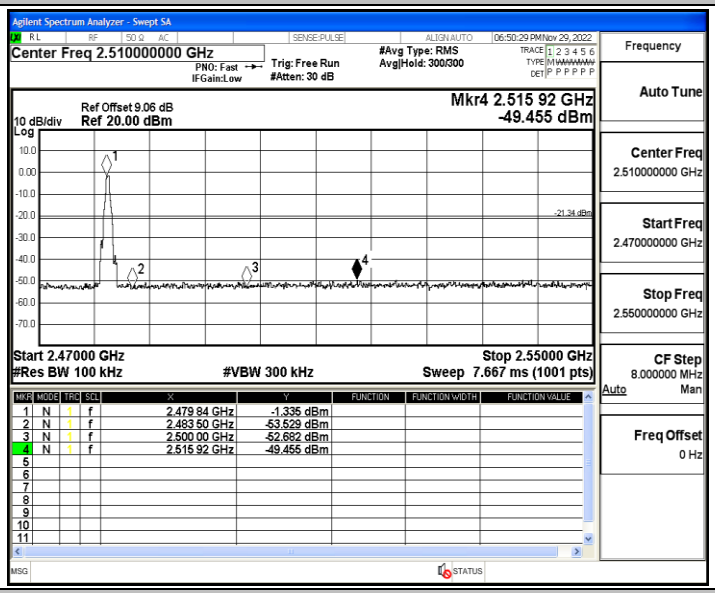
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.83	-50.29	≤-21.83	PASS
		High	2480	-1.34	-49.46	≤-21.34	PASS
		Low	Hop_2402	-2.30	-50.59	≤-22.3	PASS
		High	Hop_2480	-1.47	-48.19	≤-21.47	PASS
2DH5	Ant1	Low	2402	-3.38	-50.06	≤-23.38	PASS
		High	2480	-5.08	-49.47	≤-25.08	PASS
		Low	Hop_2402	-6.38	-50.97	≤-26.38	PASS
		High	Hop_2480	-5.74	-49.27	≤-25.74	PASS
3DH5	Ant1	Low	2402	-3.29	-49.97	≤-23.29	PASS
		High	2480	-3.38	-49.26	≤-23.38	PASS
		Low	Hop_2402	-6.06	-50.23	≤-26.06	PASS
		High	Hop_2480	-3.90	-49.31	≤-23.9	PASS

Test Graphs

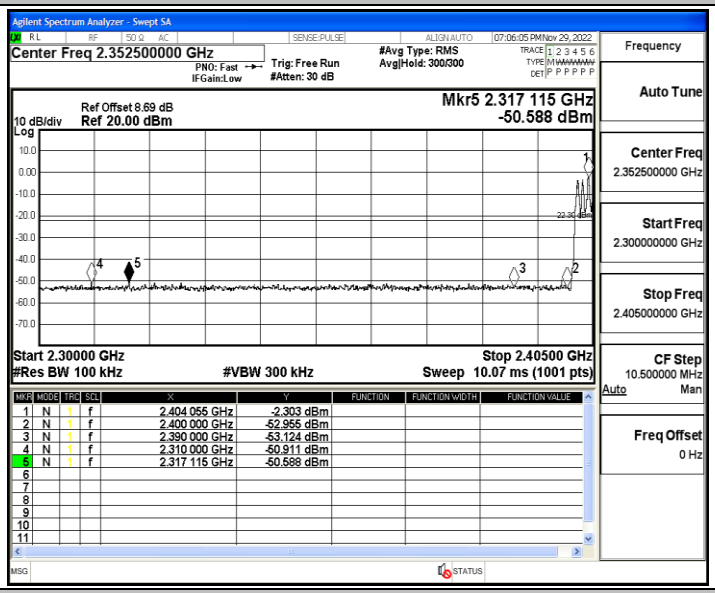
DH5_Ant1_Low_2402



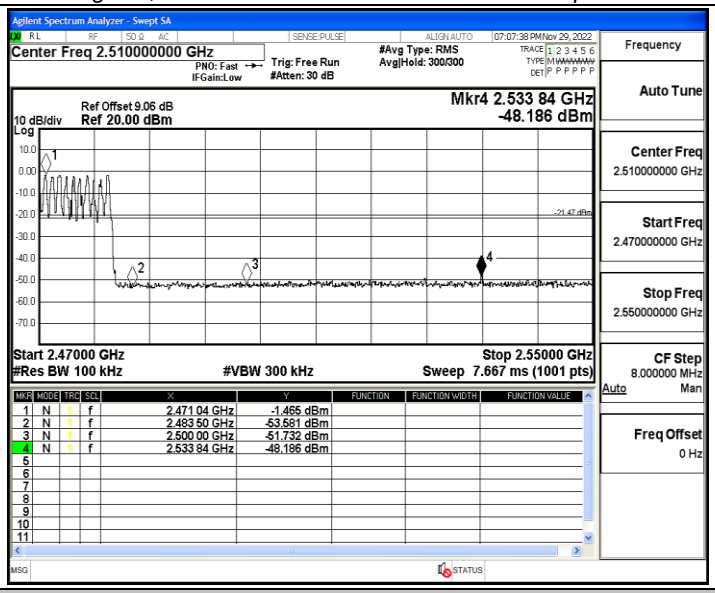
DH5_Ant1_High_2480



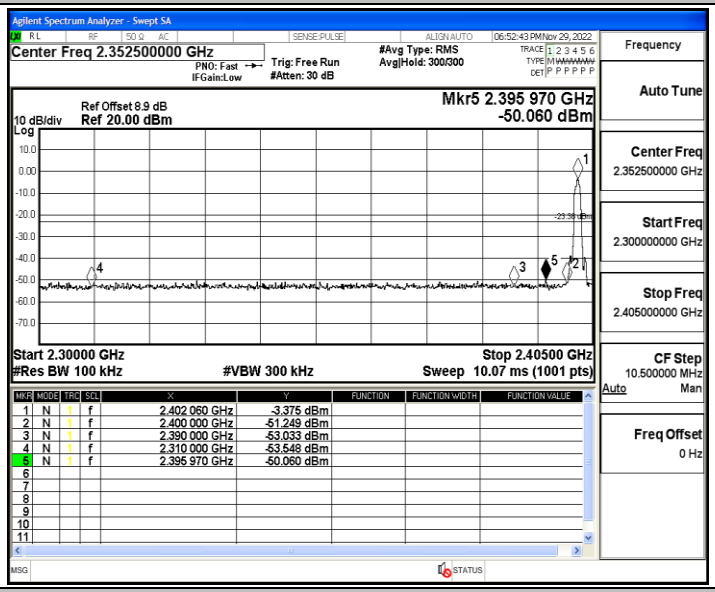
DH5_Ant1_Low_Hop_2402



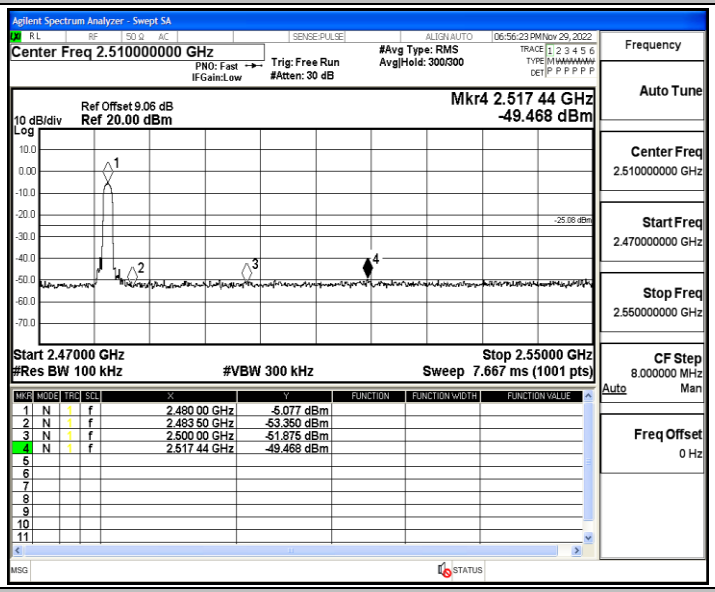
DH5_Ant1_High_Hop_2480



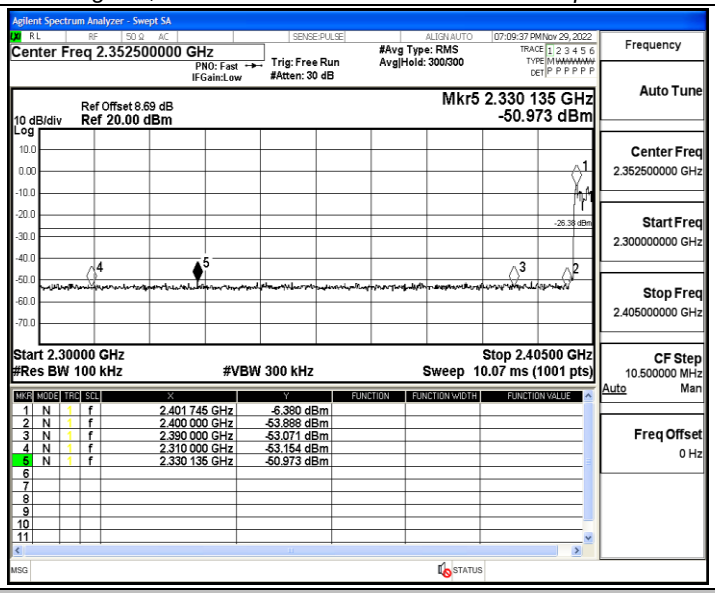
2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



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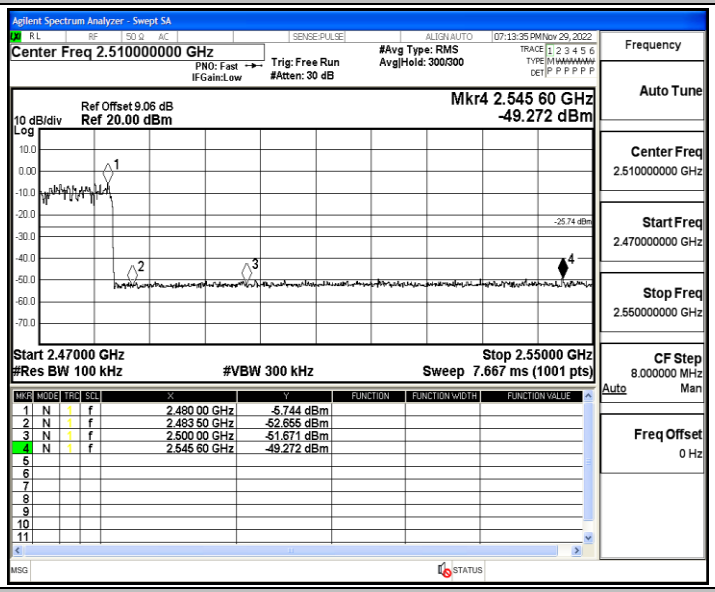
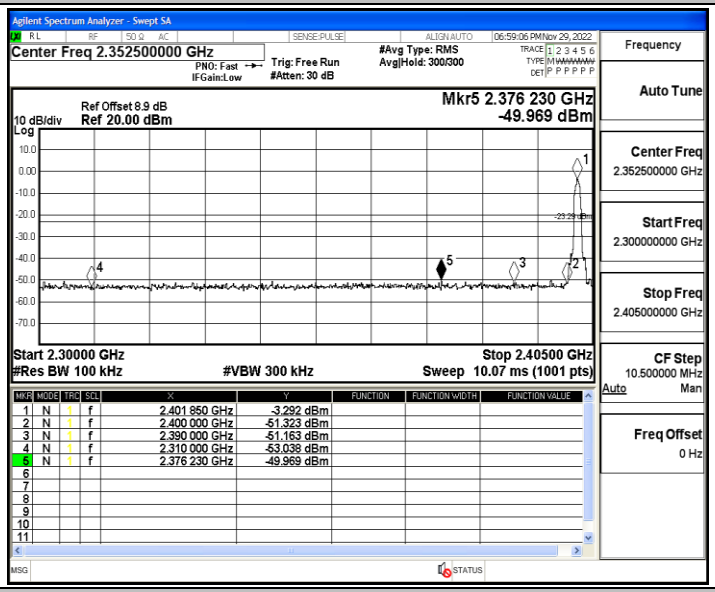


3DH5_Ant1_Low_2402



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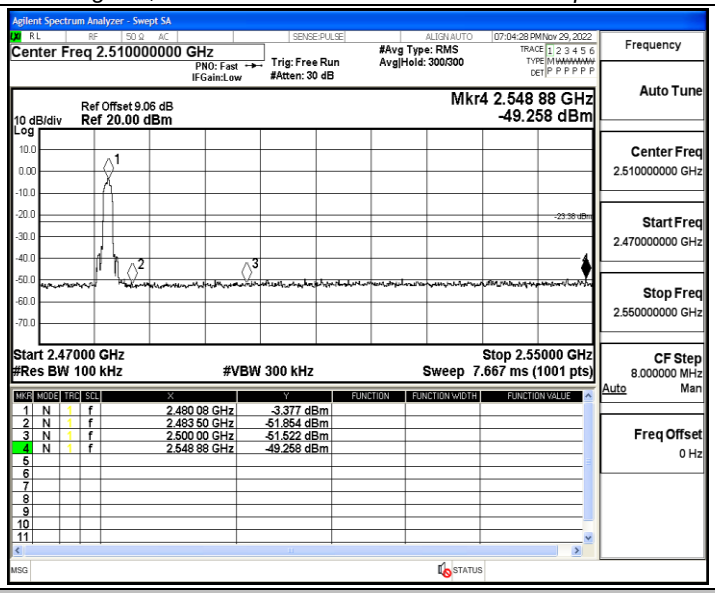

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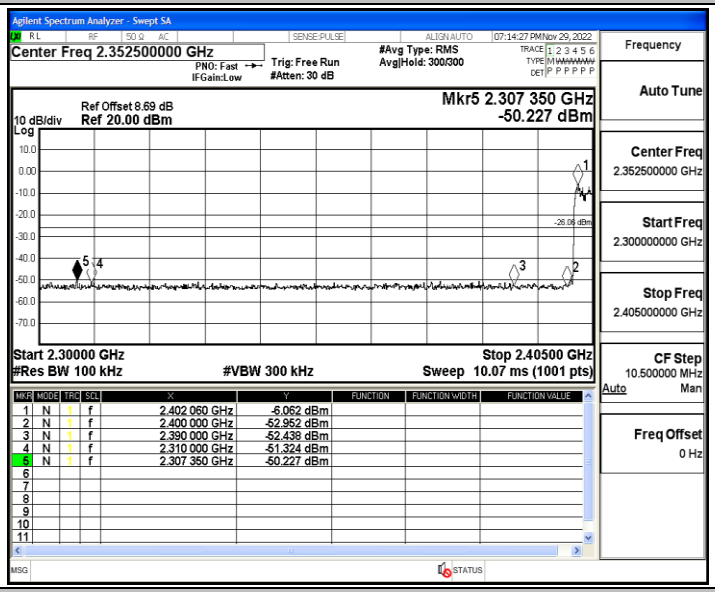

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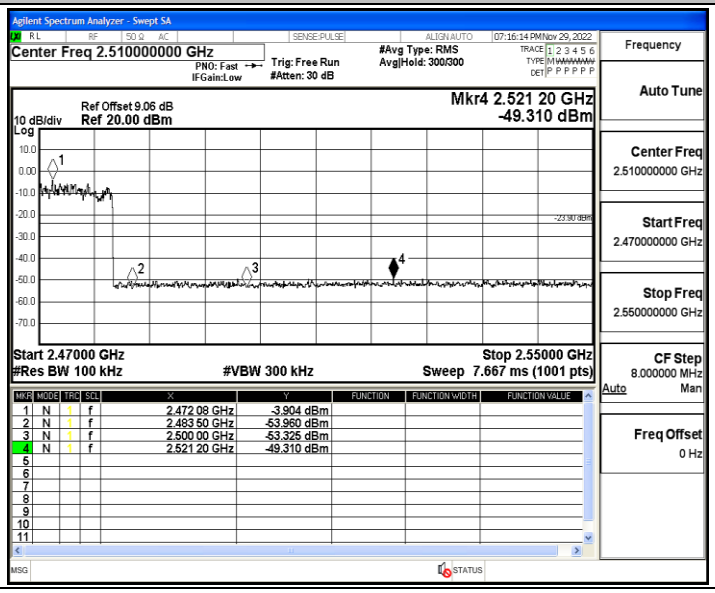


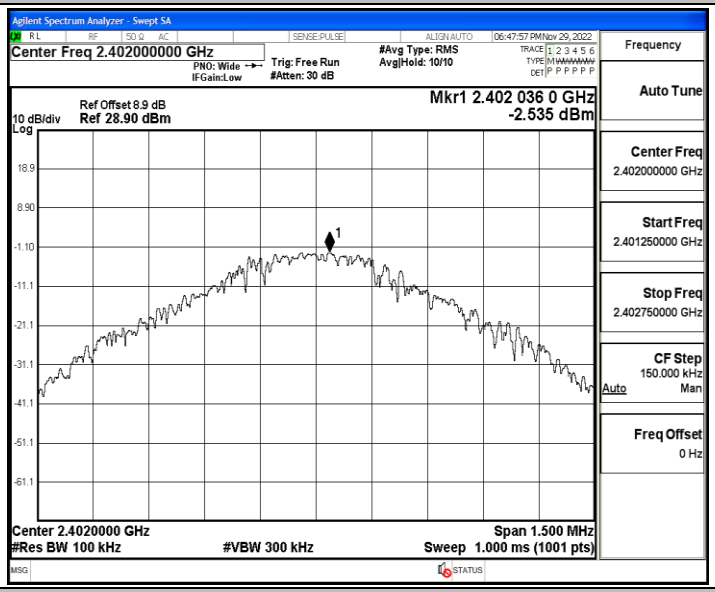
Appendix H: Conducted Spurious Emission

Test Result

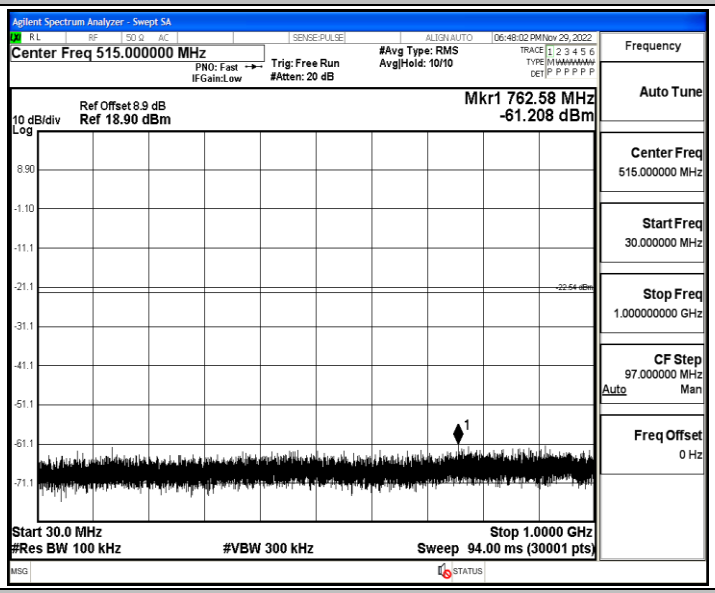
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.54	-2.54	---	PASS
			30~1000	-2.54	-61.21	≤-22.54	PASS
			1000~26500	-2.54	-52.16	≤-22.54	PASS
		2441	Reference	-0.78	-0.78	---	PASS
			30~1000	-0.78	-60.58	≤-20.78	PASS
			1000~26500	-0.78	-51.39	≤-20.78	PASS
		2480	Reference	-2.00	-2.00	---	PASS
			30~1000	-2.00	-60.77	≤-22	PASS
			1000~26500	-2.00	-51.91	≤-22	PASS
2DH5	Ant1	2402	Reference	-4.08	-4.08	---	PASS
			30~1000	-4.08	-60.38	≤-24.08	PASS
			1000~26500	-4.08	-51.51	≤-24.08	PASS
		2441	Reference	-5.53	-5.53	---	PASS
			30~1000	-5.53	-60.93	≤-25.53	PASS
			1000~26500	-5.53	-51.23	≤-25.53	PASS
		2480	Reference	-3.39	-3.39	---	PASS
			30~1000	-3.39	-60.24	≤-23.39	PASS
			1000~26500	-3.39	-51.19	≤-23.39	PASS
3DH5	Ant1	2402	Reference	-5.67	-5.67	---	PASS
			30~1000	-5.67	-61.07	≤-25.67	PASS
			1000~26500	-5.67	-51.2	≤-25.67	PASS
		2441	Reference	-3.22	-3.22	---	PASS
			30~1000	-3.22	-59.61	≤-23.22	PASS
			1000~26500	-3.22	-51.4	≤-23.22	PASS
		2480	Reference	-5.51	-5.51	---	PASS
			30~1000	-5.51	-61.37	≤-25.51	PASS
			1000~26500	-5.51	-48.68	≤-25.51	PASS

Test Graphs

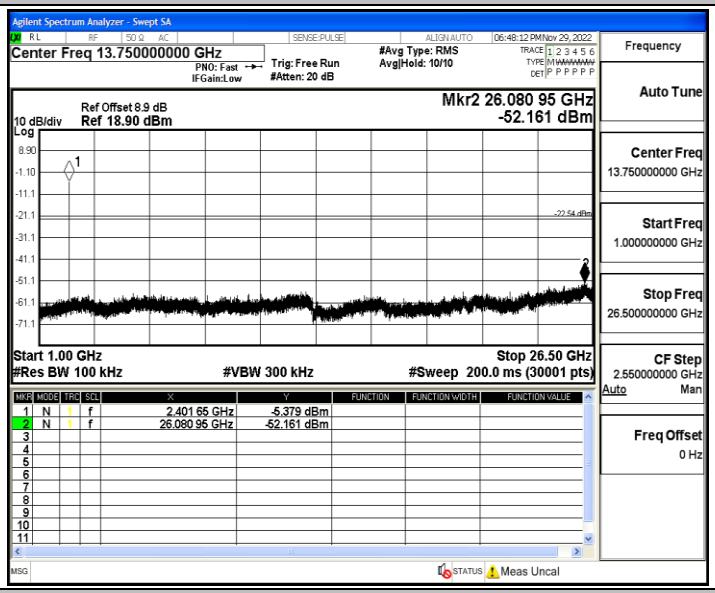
DH5_Ant1_2402_0~Reference



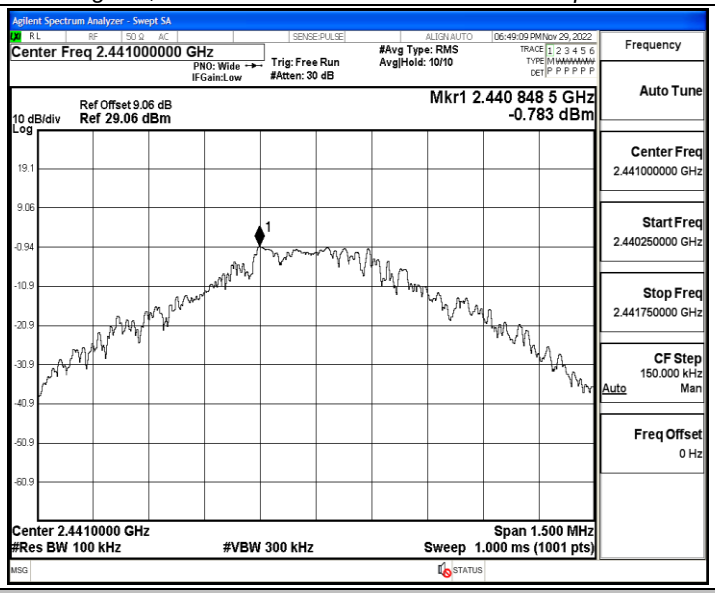
DH5_Ant1_2402_30~1000



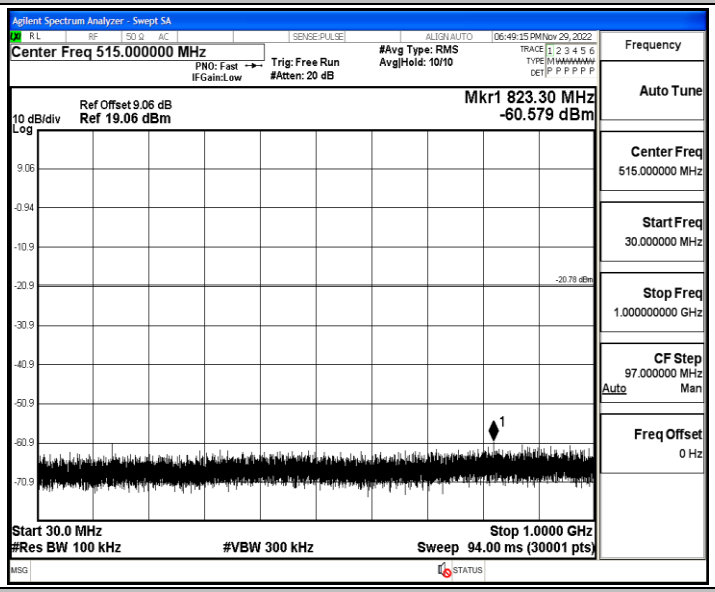
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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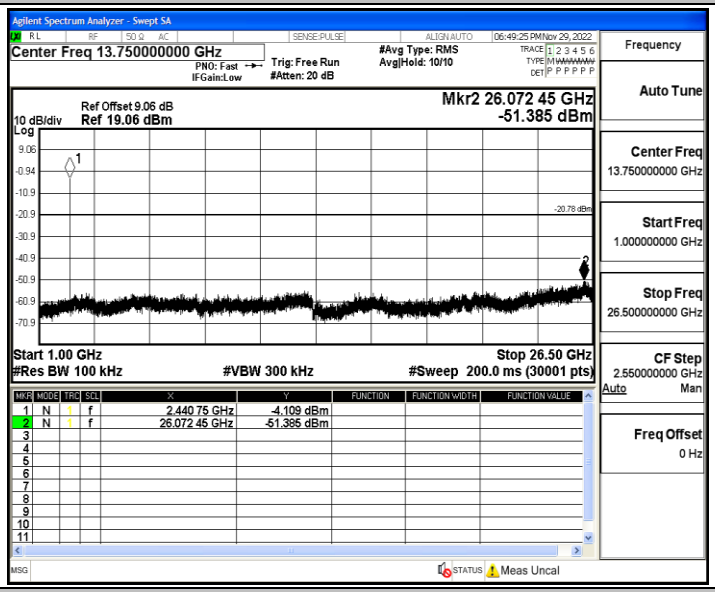
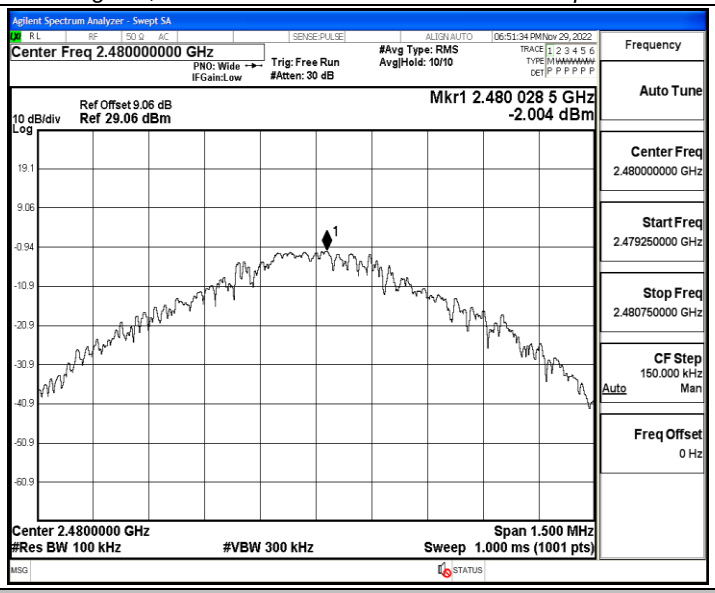
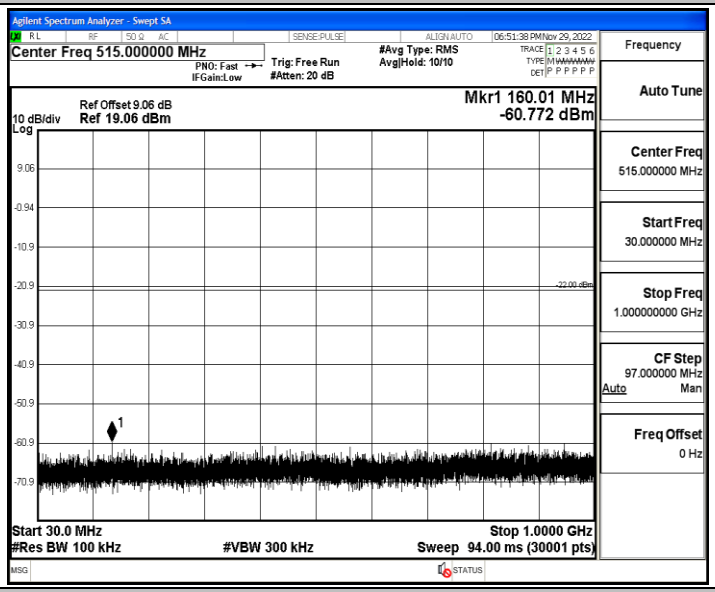


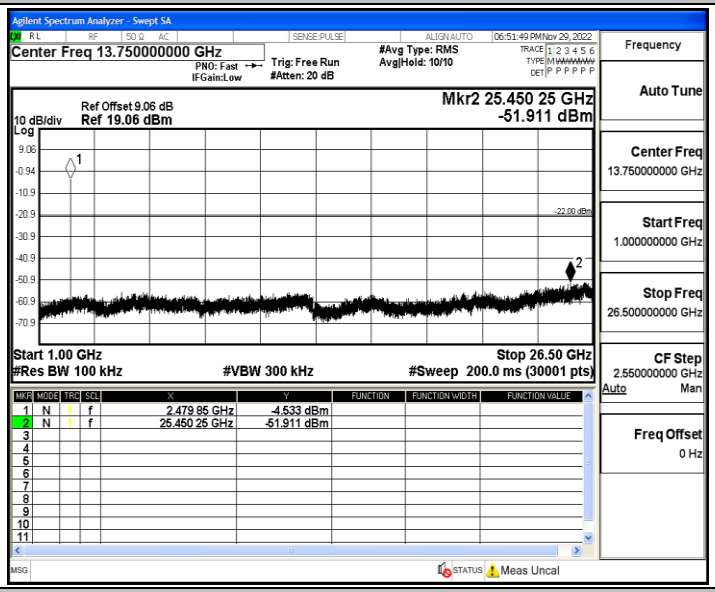
DH5_Ant1_2480_0~Reference



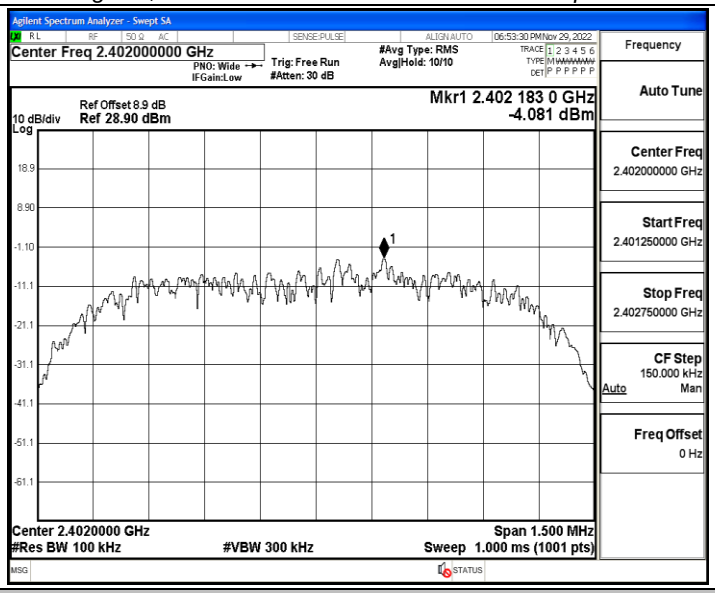
DH5_Ant1_2480_30~1000



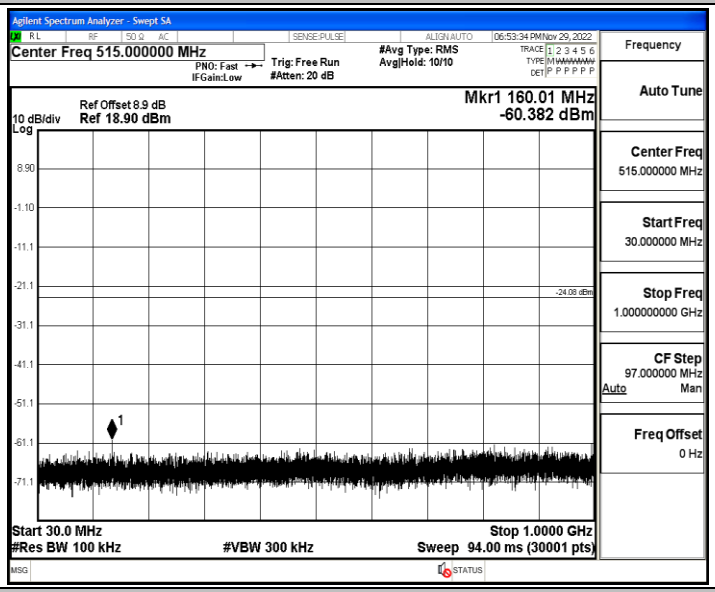
DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



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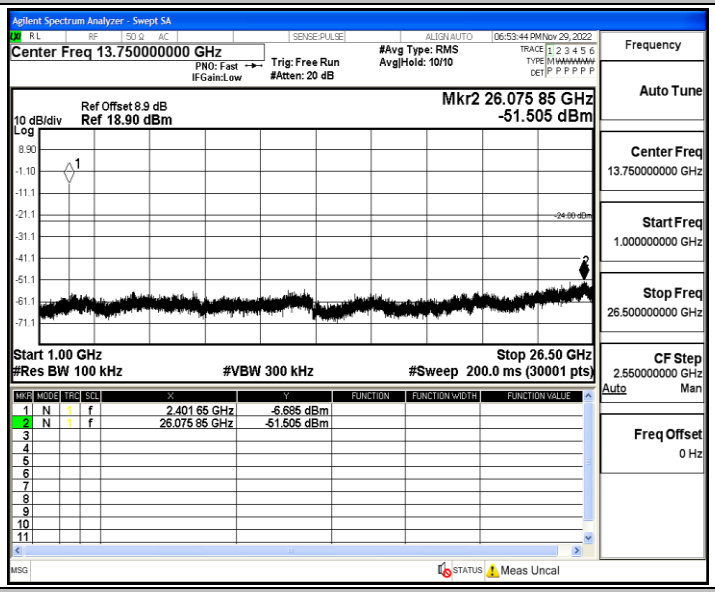

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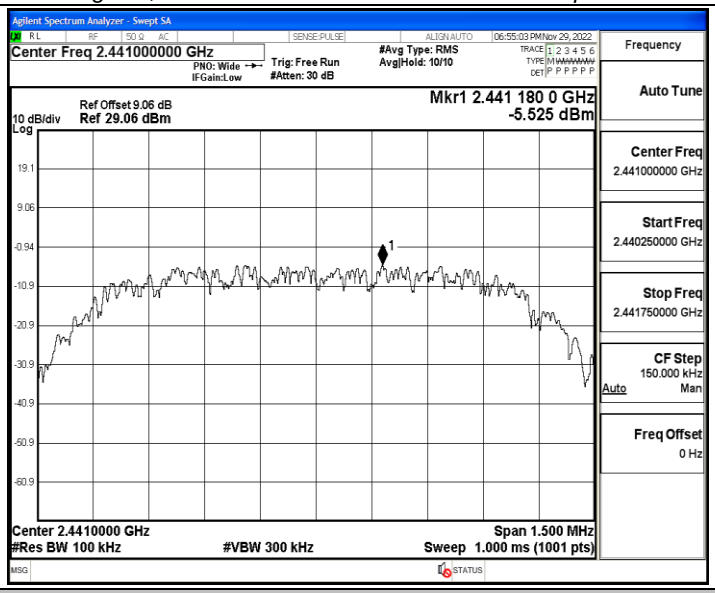

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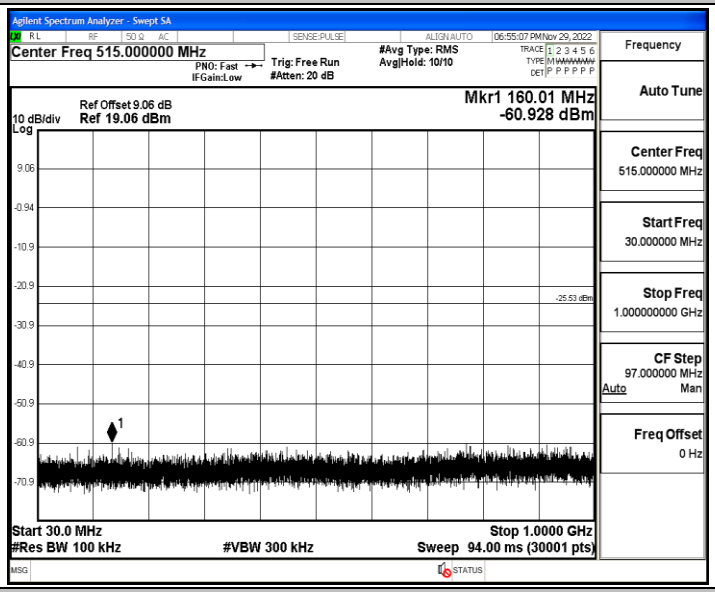

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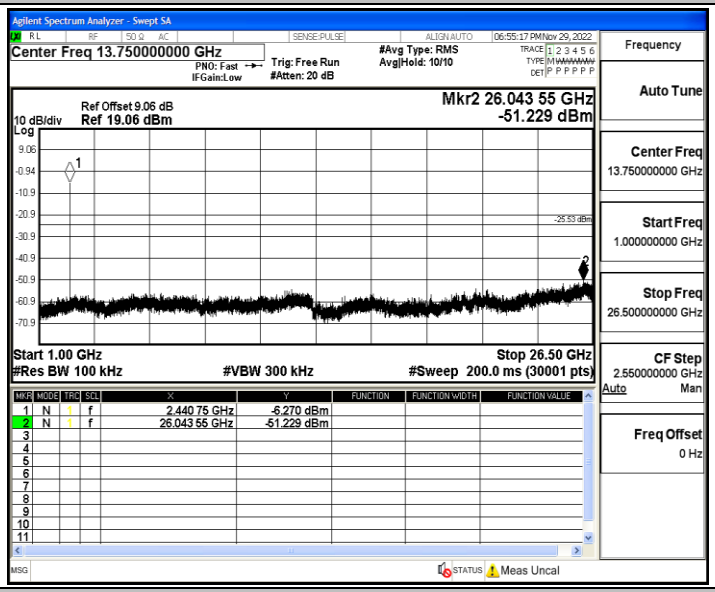
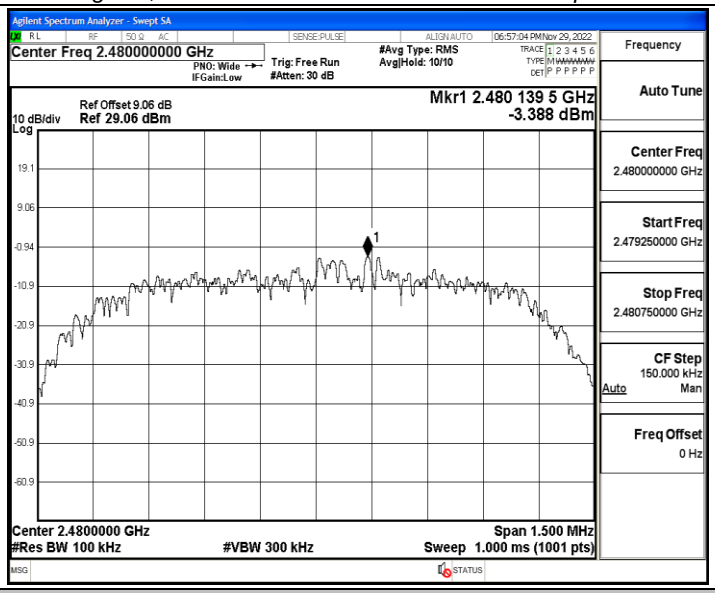


2DH5_Ant1_2480_0~Reference



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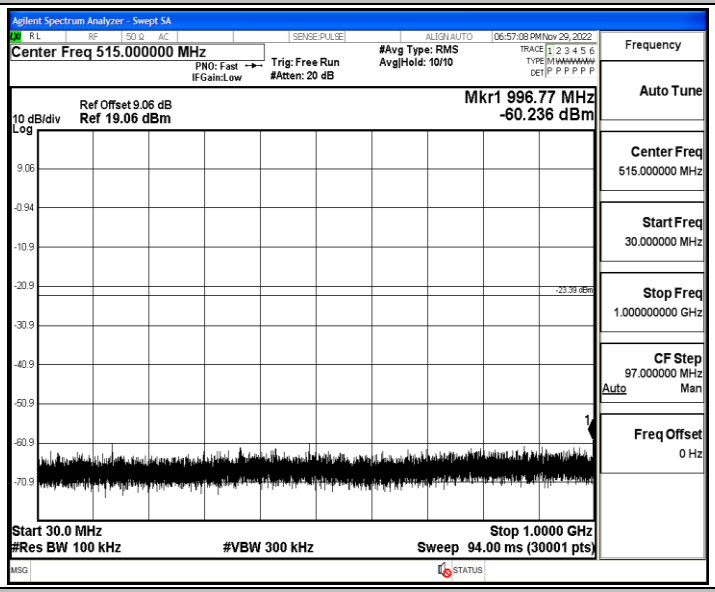
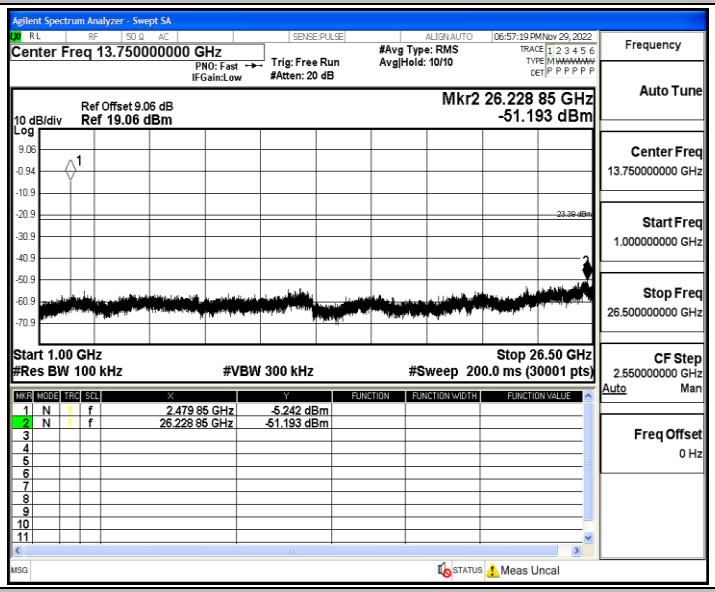


2DH5_Ant1_2480_1000~26500



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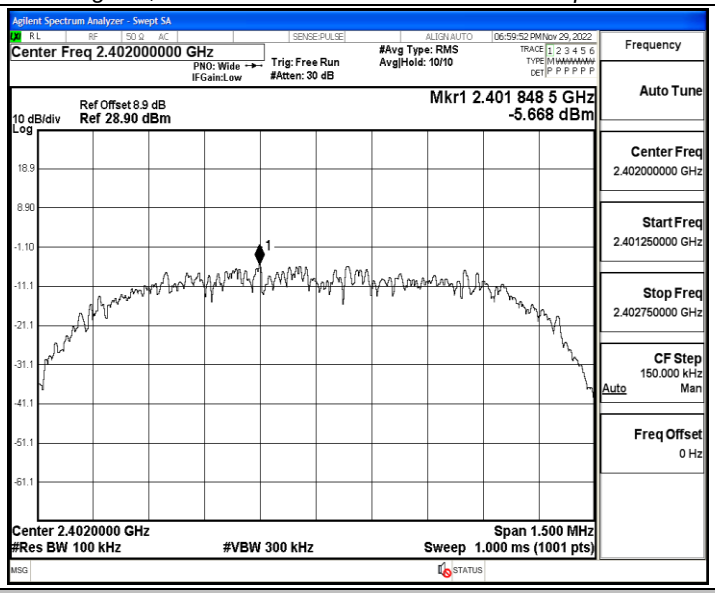

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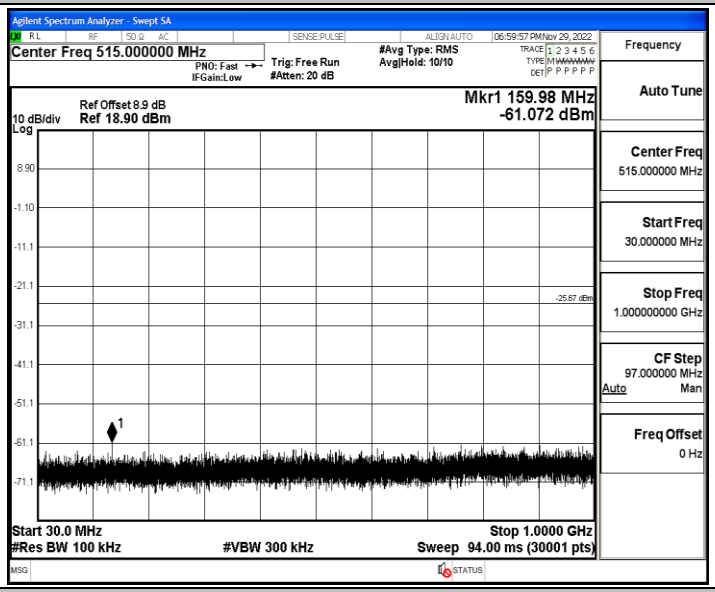

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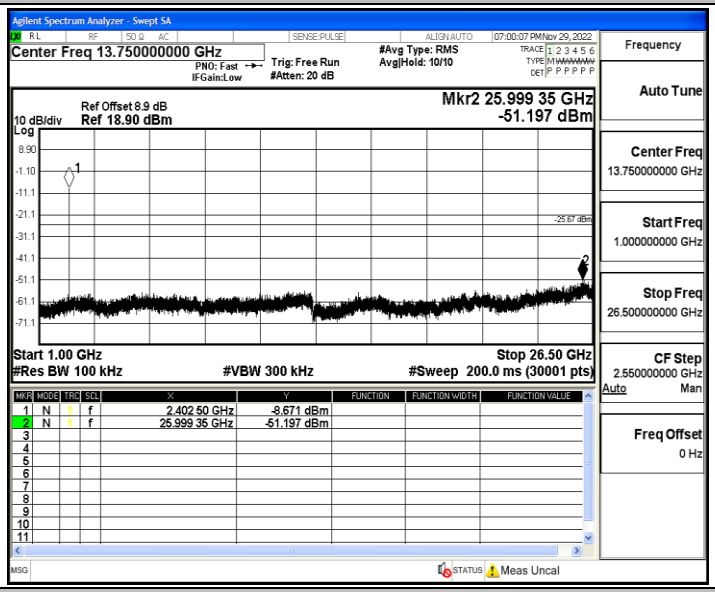

3DH5_Ant1_2441_0~Reference