

6 APPENDIX

BT

Right ear

20DB EMISSION BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.568	2402.510	---	---
		2441	0.942	2440.568	2441.510	---	---
		2480	0.942	2479.568	2480.510	---	---
2DH5	Ant1	2402	1.332	2401.352	2402.684	---	---
		2441	1.326	2440.355	2441.681	---	---
		2480	1.326	2479.355	2480.681	---	---
3DH5	Ant1	2402	1.281	2401.382	2402.663	---	---
		2441	1.302	2440.373	2441.675	---	---
		2480	1.332	2479.358	2480.690	---	---

TEST GRAPHS

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



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2DH5_Ant1_2480



3DH5_Ant1_2402



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3DH5_Ant1_2441



3DH5_Ant1_2480



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OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87607	2401.5920	2402.4681	---	---
		2441	0.84863	2440.5985	2441.4471	---	---
		2480	0.85095	2479.5996	2480.4506	---	---
2DH5	Ant1	2402	1.1934	2401.4248	2402.6182	---	---
		2441	1.1963	2440.4254	2441.6217	---	---
		2480	1.1929	2479.4237	2480.6166	---	---
3DH5	Ant1	2402	1.2023	2401.4186	2402.6209	---	---
		2441	1.2039	2440.4166	2441.6205	---	---
		2480	1.1846	2479.4358	2480.6204	---	---

TEST GRAPHS

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



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2DH5_Ant1_2402



2DH5_Ant1_2441



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2DH5_Ant1_2480

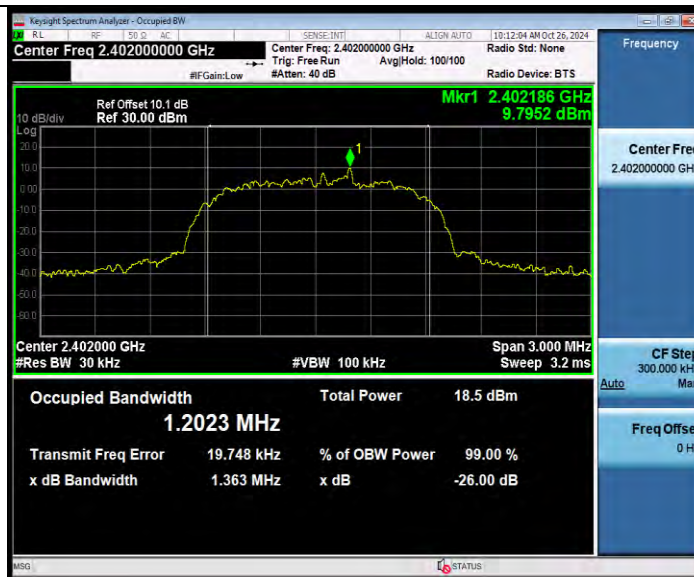


3DH5_Ant1_2402

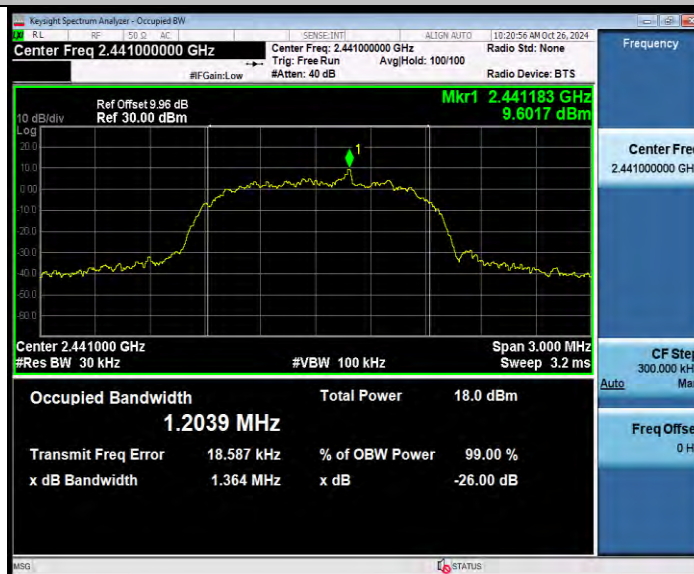


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3DH5_Ant1_2441



3DH5_Ant1_2480



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MAXIMUM CONDUCTED OUTPUT POWER TEST RESULT

TestMode	Antenna	Frequency [MHz]	Average power [dBm]	Peak Power [dBm]	Peak power [mw]	Conducted Limit [dBm]	EIRP [dBm]	EIRP [mw]	EIRP Limit [dBm]	Verdict	Power Setting
DH5	Ant1	2402	13.32	13.56	22.70	≤20.97	8.71	7.43	≤36.00	PASS	Default
		2441	13.25	13.5	22.39	≤20.97	8.65	7.33	≤36.00	PASS	Default
		2480	13.17	13.51	22.44	≤20.97	8.66	7.35	≤36.00	PASS	Default
2DH5	Ant1	2402	11.07	11.52	14.19	≤20.97	6.67	4.65	≤36.00	PASS	Default
		2441	11.05	11.51	14.16	≤20.97	6.66	4.63	≤36.00	PASS	Default
		2480	10.97	11.42	13.87	≤20.97	6.57	4.54	≤36.00	PASS	Default
3DH5	Ant1	2402	11.06	11.18	13.12	≤20.97	6.33	4.30	≤36.00	PASS	Default
		2441	11.03	11.16	13.06	≤20.97	6.31	4.28	≤36.00	PASS	Default
		2480	10.96	11.14	13.00	≤20.97	6.29	4.26	≤36.00	PASS	Default
Note:EIRP=Peak Power+Gain											



Test Report No.: W7L-241014W001RF01

CARRIER FREQUENCY SEPARATION

TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.002	≥ 0.628	PASS
2DH5	Ant1	Hop	1.008	≥ 0.888	PASS
3DH5	Ant1	Hop	1.146	≥ 0.888	PASS

TEST GRAPHS

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



TIME OF OCCUPANCY

TEST RESULT

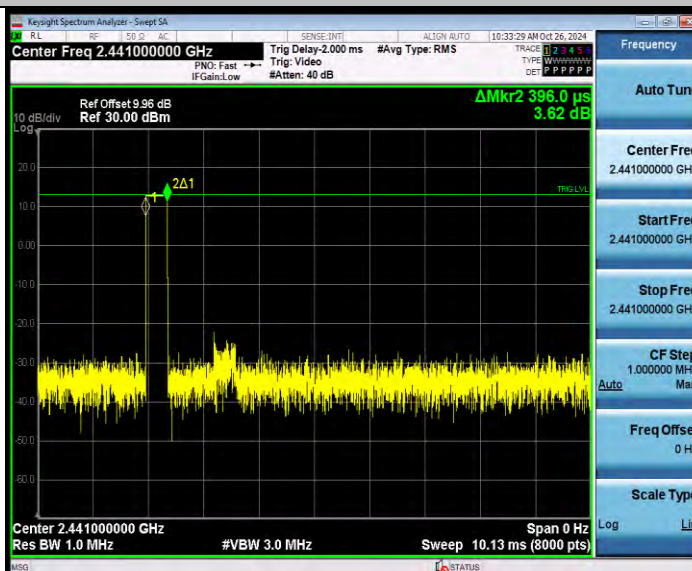
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.396	320	0.127	≤0.4	PASS
DH3	Ant1	Hop	1.653	160	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.901	107	0.309	≤0.4	PASS
2DH1	Ant1	Hop	0.400	320	0.128	≤0.4	PASS
2DH3	Ant1	Hop	1.653	160	0.264	≤0.4	PASS
2DH5	Ant1	Hop	2.901	107	0.309	≤0.4	PASS
3DH1	Ant1	Hop	0.400	320	0.128	≤0.4	PASS
3DH3	Ant1	Hop	1.652	160	0.264	≤0.4	PASS
3DH5	Ant1	Hop	2.901	107	0.309	≤0.4	PASS

NOTE: TotalHops =[1600/(Send and receive Number*79)]*0.4*79;

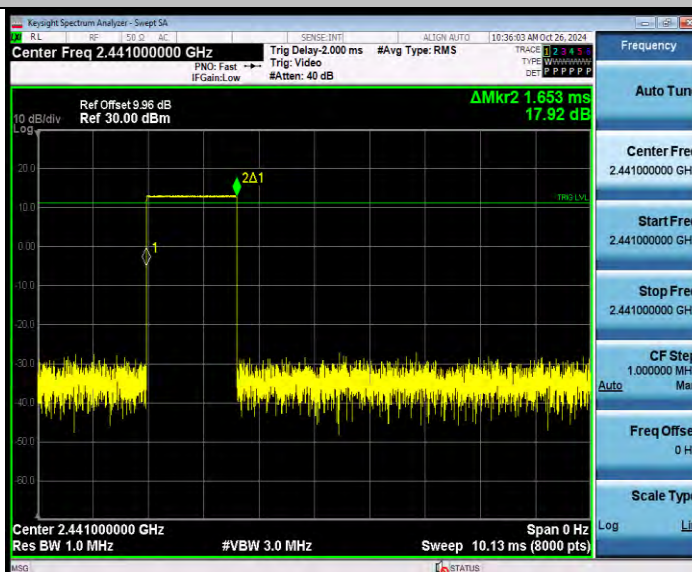
Send and receive Number : DH1/2DH1/3DH1=2; DH3/2DH3/3DH3=4; DH5/2DH5/3DH5=6

TEST GRAPHS

DH1_Ant1_Hop



DH3_Ant1_Hop

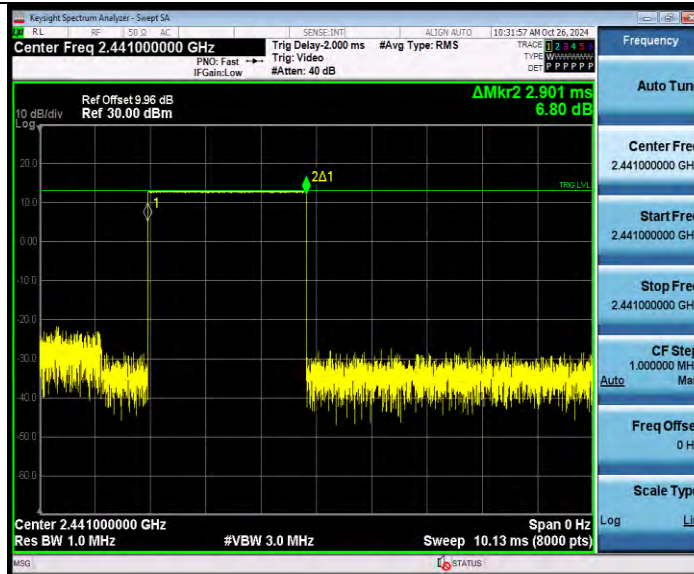


DH5_Ant1_Hop

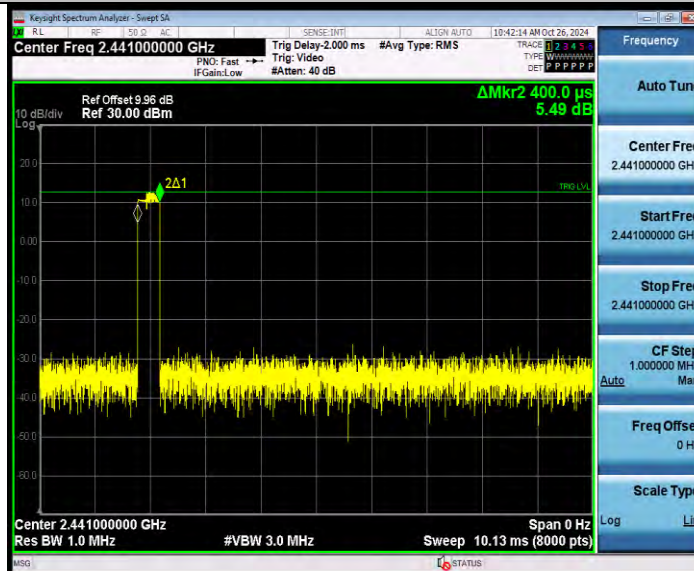


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2DH1_Ant1_Hop

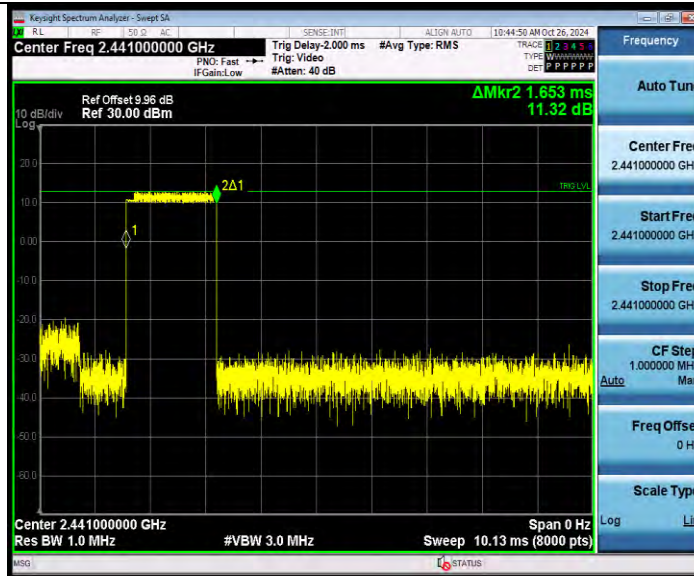


2DH3_Ant1_Hop

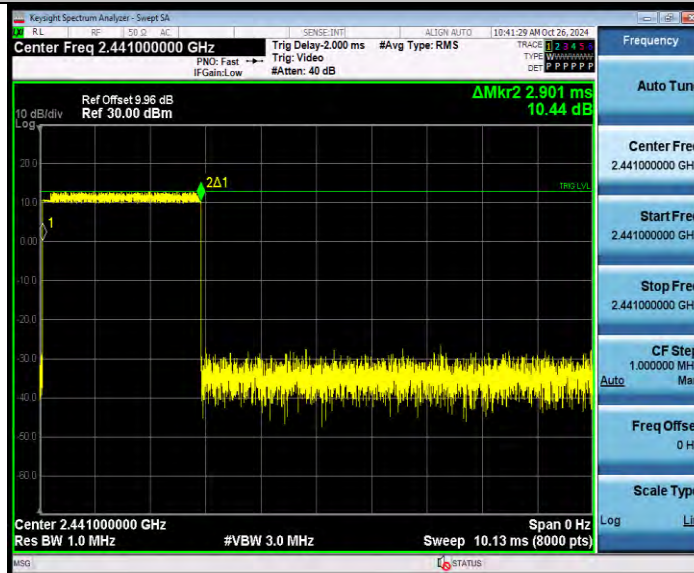


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2DH5_Ant1_Hop

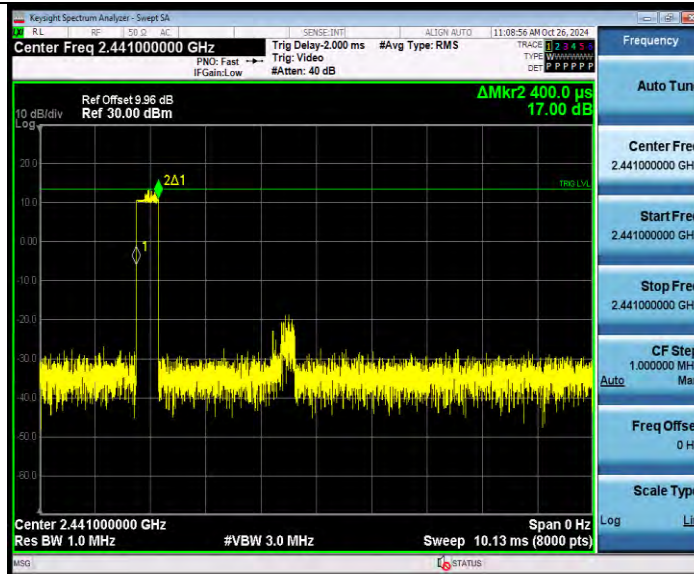


3DH1_Ant1_Hop



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3DH3_Ant1_Hop

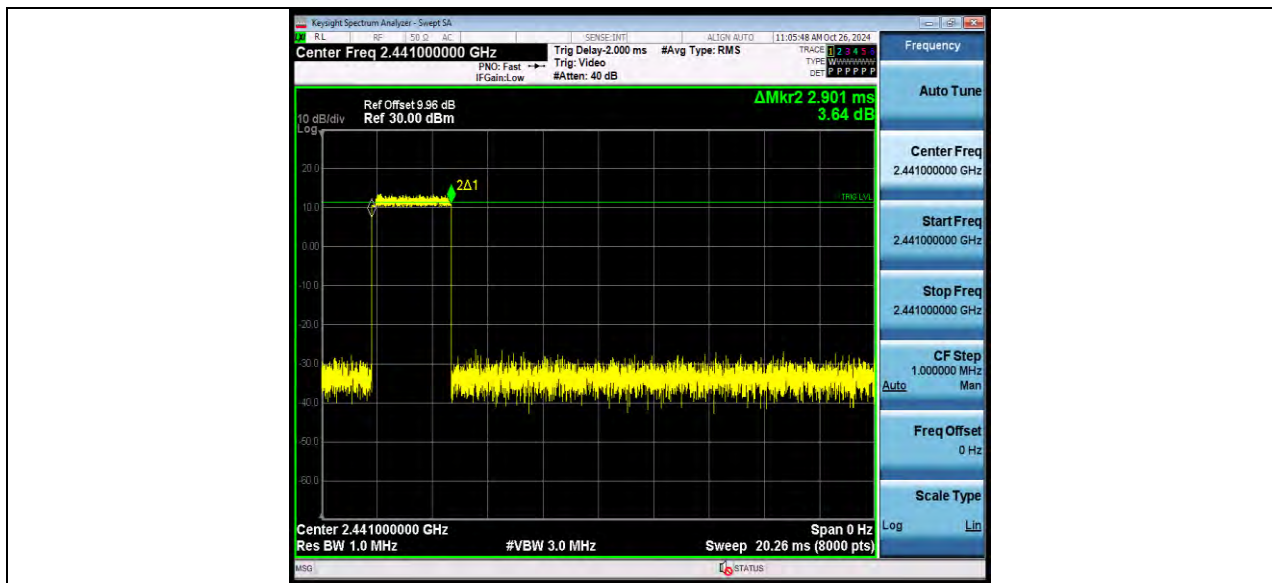


3DH5_Ant1_Hop



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Test Report No.: W7L-241014W001RF01

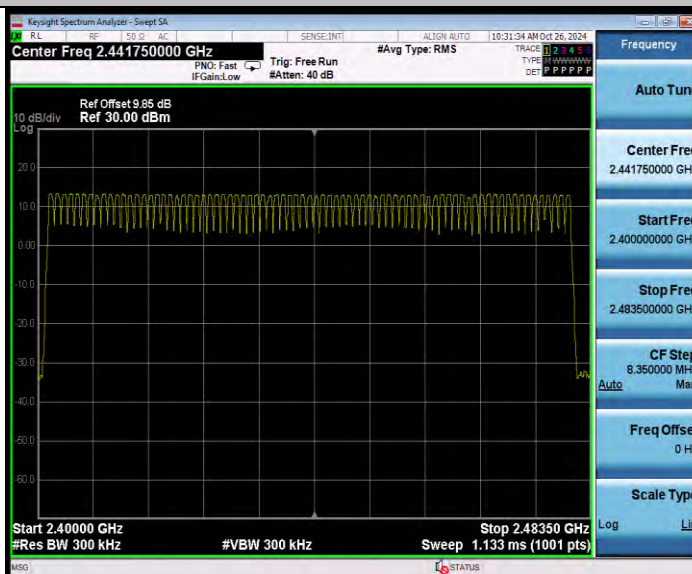
NUMBER OF HOPPING CHANNELS

TEST RESULT

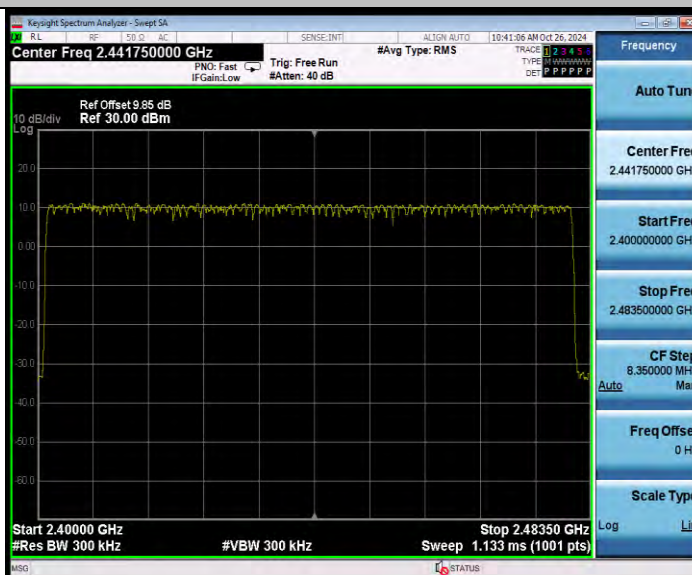
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
2DH5	Ant1	Hop	79	≥ 15	PASS
3DH5	Ant1	Hop	79	≥ 15	PASS

TEST GRAPHS

DH5_Ant1_Hop



2DH5_Ant1_Hop

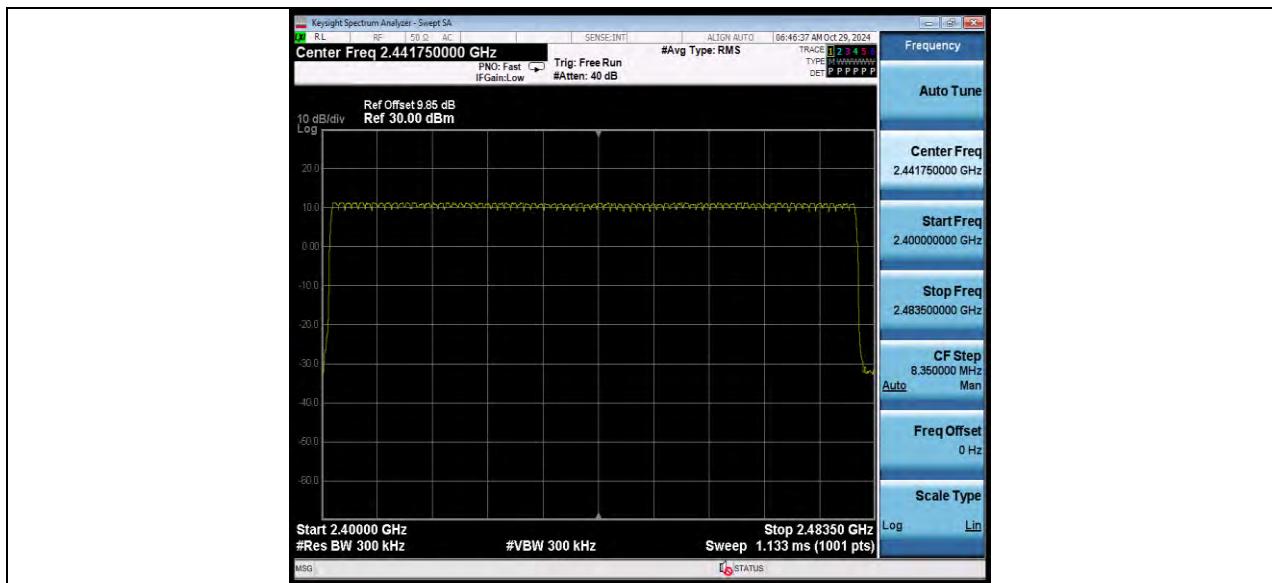


3DH5_Ant1_Hop



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Test Report No.: W7L-241014W001RF01



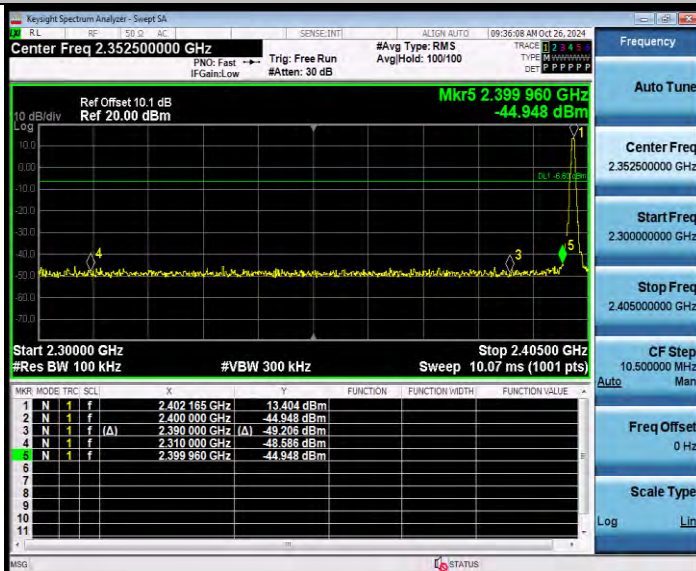
BAND EDGE MEASUREMENTS

TEST RESULT

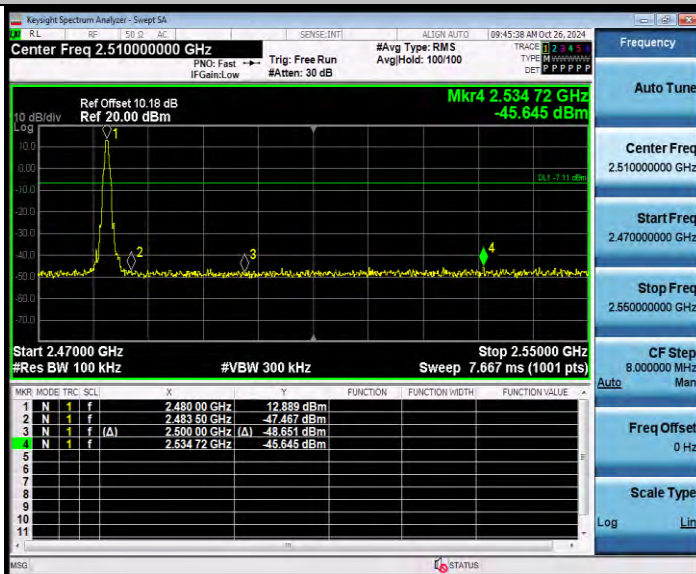
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	13.40	-44.95	≤-6.6	PASS
		High	2480	12.89	-45.65	≤-7.11	PASS
		Low	Hop_2402	12.88	-45.05	≤-7.13	PASS
		High	Hop_2480	13.58	-45.05	≤-6.42	PASS
2DH5	Ant1	Low	2402	10.98	-45.26	≤-9.02	PASS
		High	2480	10.54	-45.66	≤-9.46	PASS
		Low	Hop_2402	7.53	-46.44	≤-12.47	PASS
		High	Hop_2480	11.15	-44.88	≤-8.85	PASS
3DH5	Ant1	Low	2402	11.24	-44.86	≤-8.76	PASS
		High	2480	10.25	-45.2	≤-9.76	PASS
		Low	Hop_2402	8.80	-45.62	≤-11.2	PASS
		High	Hop_2480	10.19	-44.66	≤-9.81	PASS

TEST GRAPHS

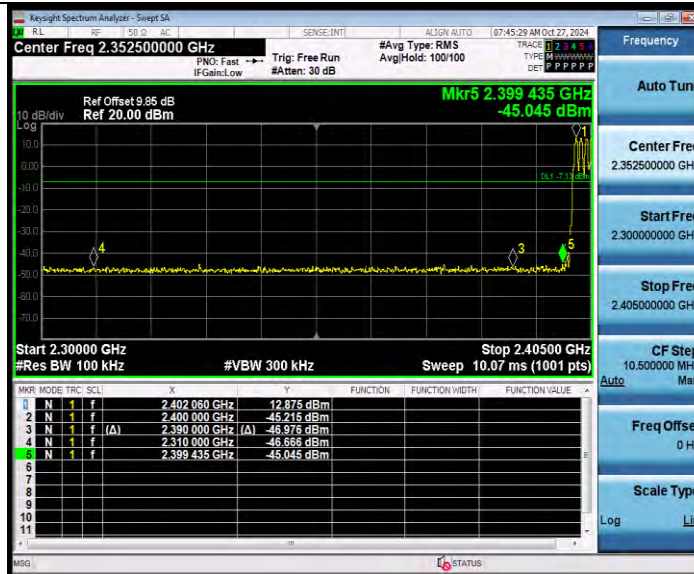
DH5_Ant1_Low_2402



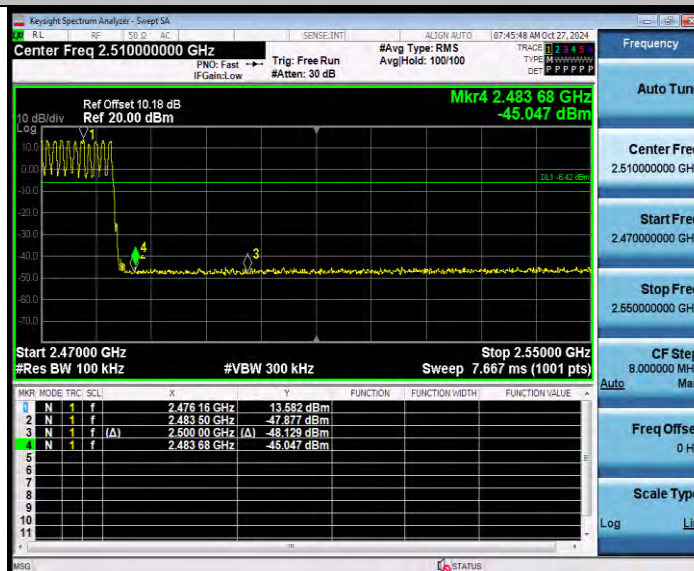
DH5_Ant1_High_2480



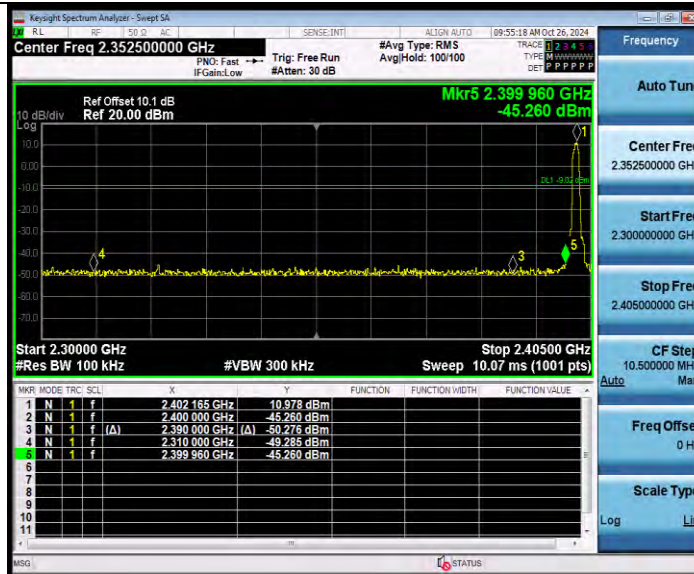
DH5_Ant1_Low_Hop_2402



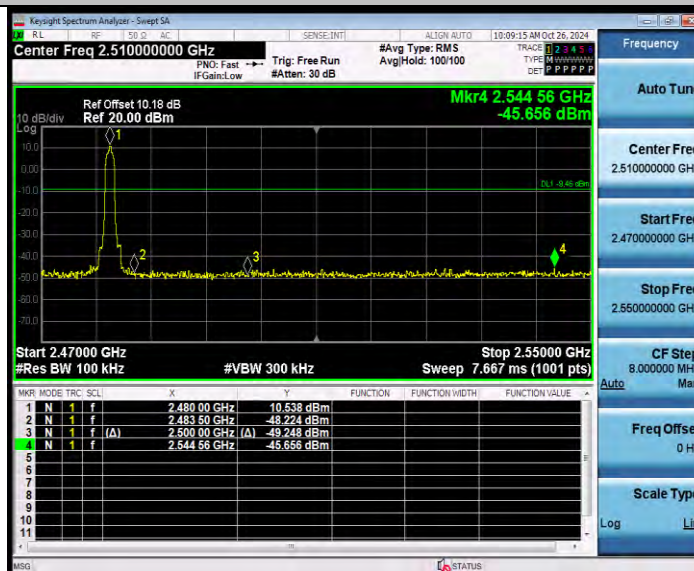
DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480

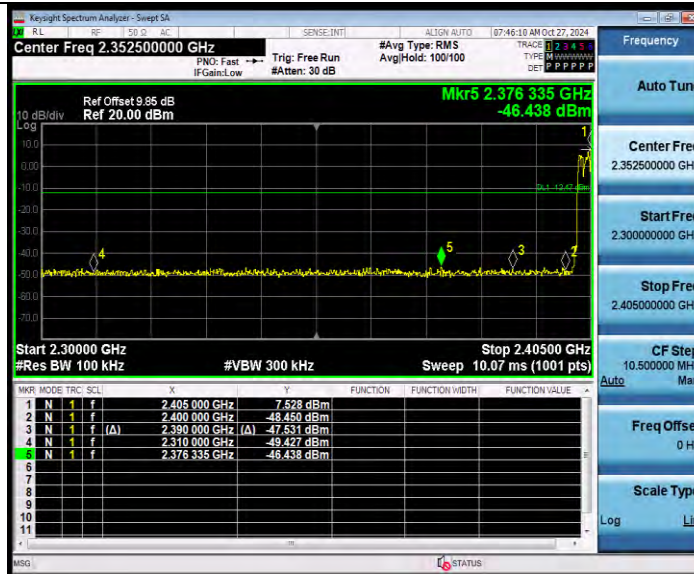


2DH5_Ant1_Low_Hop_2402

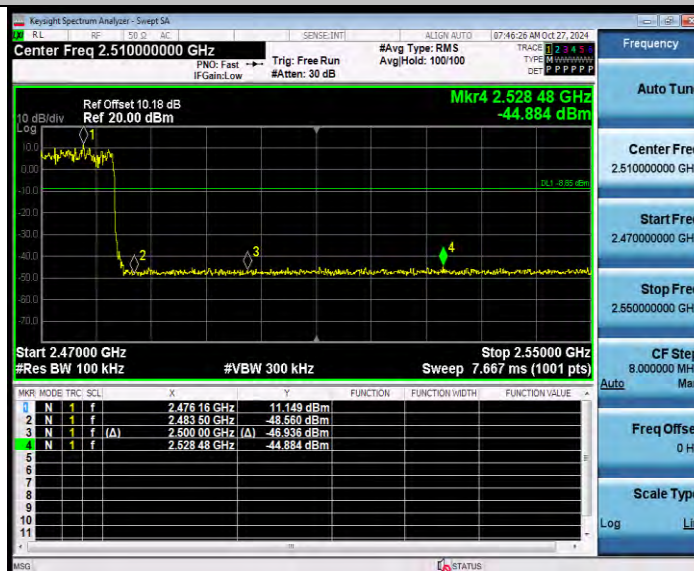


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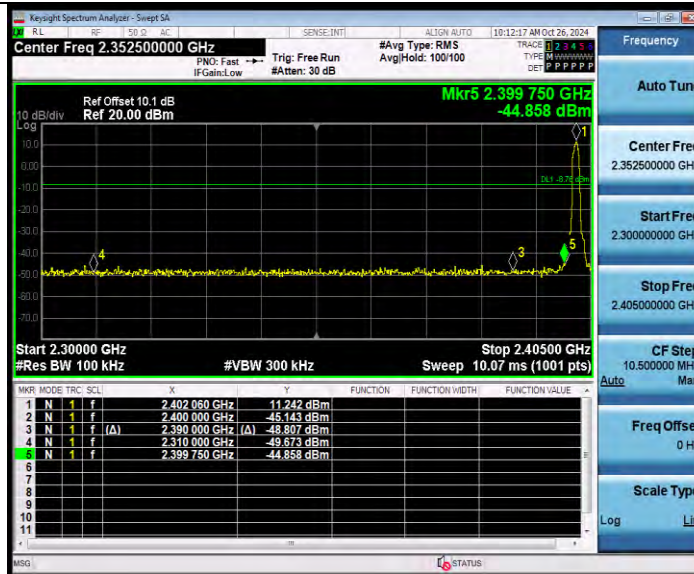
Test Report No.: W7L-241014W001RF01



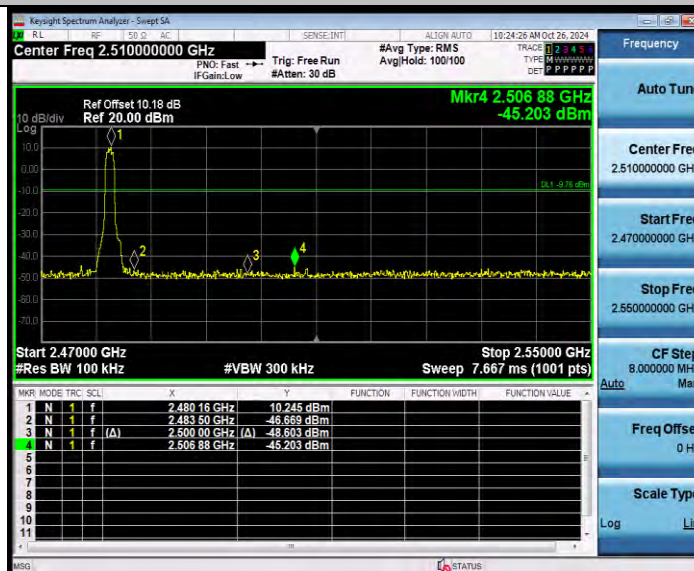
2DH5_Ant1_High_Hop_2480



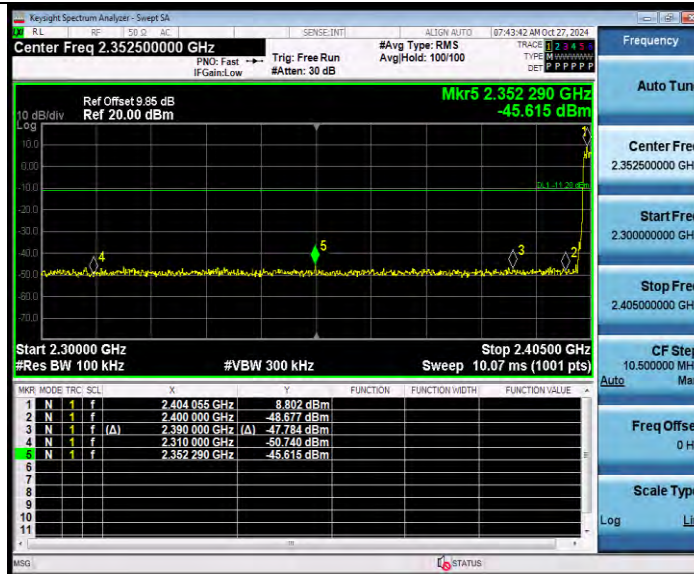
3DH5_Ant1_Low_2402



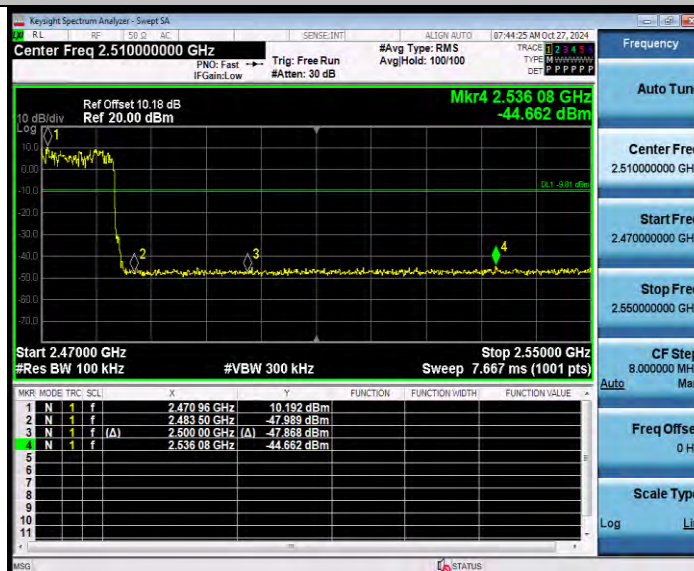
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



CONDUCTED SPURIOUS EMISSION

TEST RESULT

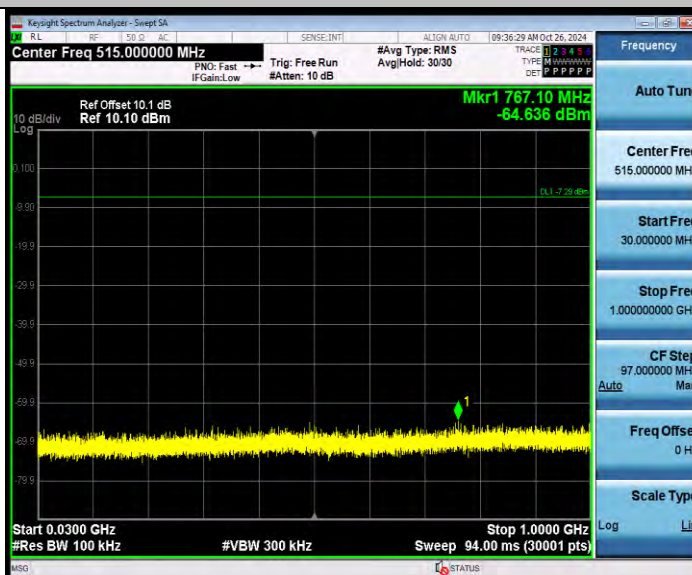
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	12.71	12.71	---	PASS
			30~1000	12.71	-64.64	≤-7.29	PASS
			1000~26500	12.71	-45.36	≤-7.29	PASS
		2441	Reference	12.95	12.95	---	PASS
			30~1000	12.95	-64.69	≤-7.05	PASS
			1000~26500	12.95	-46	≤-7.05	PASS
		2480	Reference	12.40	12.40	---	PASS
			30~1000	12.40	-64.59	≤-7.6	PASS
			1000~26500	12.40	-45.93	≤-7.6	PASS
2DH5	Ant1	2402	Reference	7.93	7.93	---	PASS
			30~1000	7.93	-64.71	≤-12.07	PASS
			1000~26500	7.93	-43.23	≤-12.07	PASS
		2441	Reference	7.97	7.97	---	PASS
			30~1000	7.97	-63.79	≤-12.03	PASS
			1000~26500	7.97	-46.24	≤-12.03	PASS
		2480	Reference	8.92	8.92	---	PASS
			30~1000	8.92	-64.33	≤-11.08	PASS
			1000~26500	8.92	-45.28	≤-11.08	PASS
3DH5	Ant1	2402	Reference	9.21	9.21	---	PASS
			30~1000	9.21	-65.07	≤-10.79	PASS
			1000~26500	9.21	-44.95	≤-10.79	PASS
		2441	Reference	9.27	9.27	---	PASS
			30~1000	9.27	-65.08	≤-10.73	PASS
			1000~26500	9.27	-46.1	≤-10.73	PASS
		2480	Reference	10.74	10.74	---	PASS
			30~1000	10.74	-64.13	≤-9.26	PASS
			1000~26500	10.74	-45.56	≤-9.26	PASS

TEST GRAPHS

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500



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Test Report No.: W7L-241014W001RF01



DH5_Ant1_2441_0~Reference

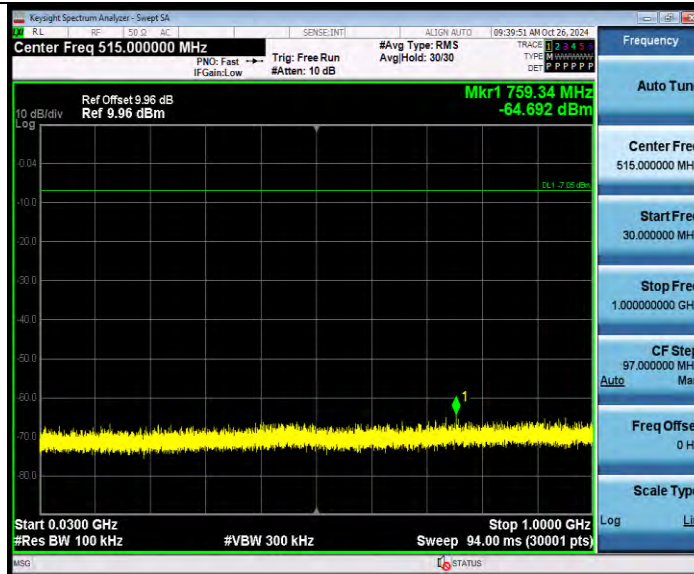


DH5_Ant1_2441_30~1000



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Test Report No.: W7L-241014W001RF01



DH5_Ant1_2441_1000~26500

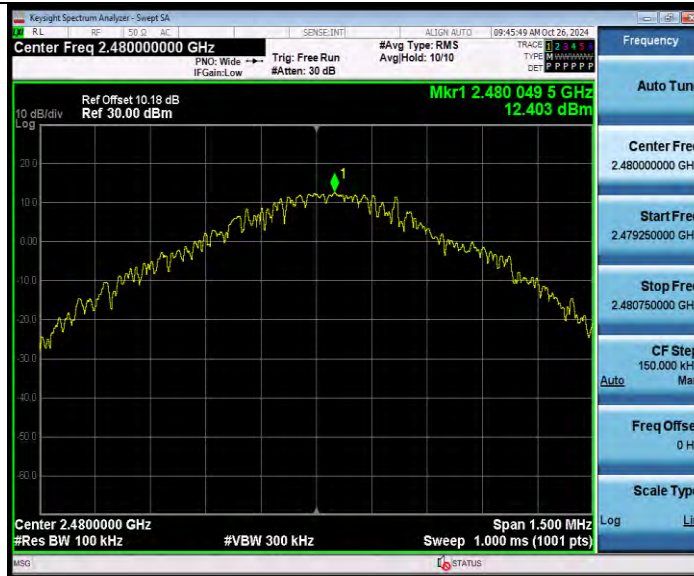


DH5_Ant1_2480_0~Reference

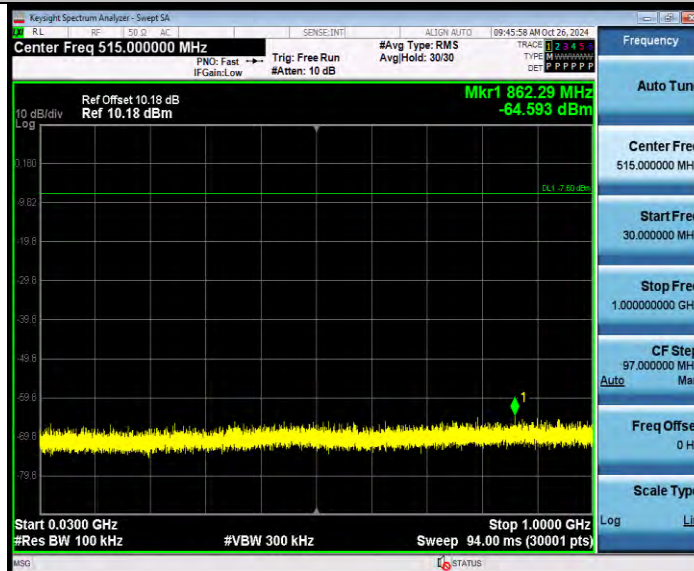


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Test Report No.: W7L-241014W001RF01



DH5_Ant1_2480_30~1000

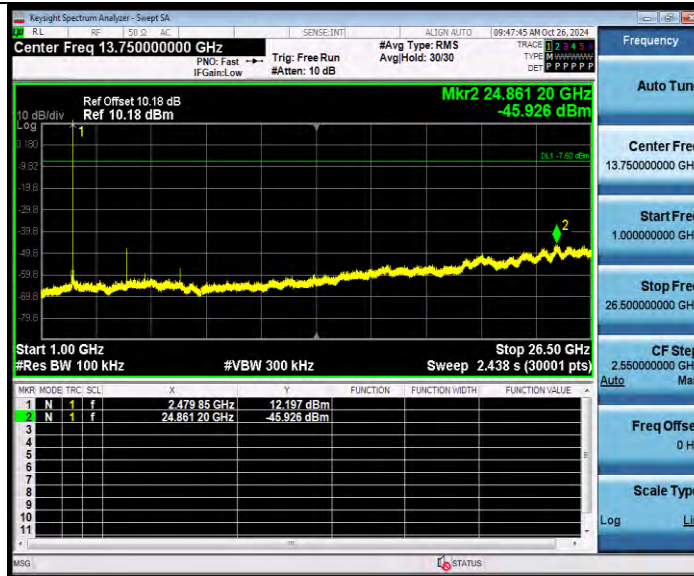


DH5_Ant1_2480_1000~26500



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Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2402_0~Reference

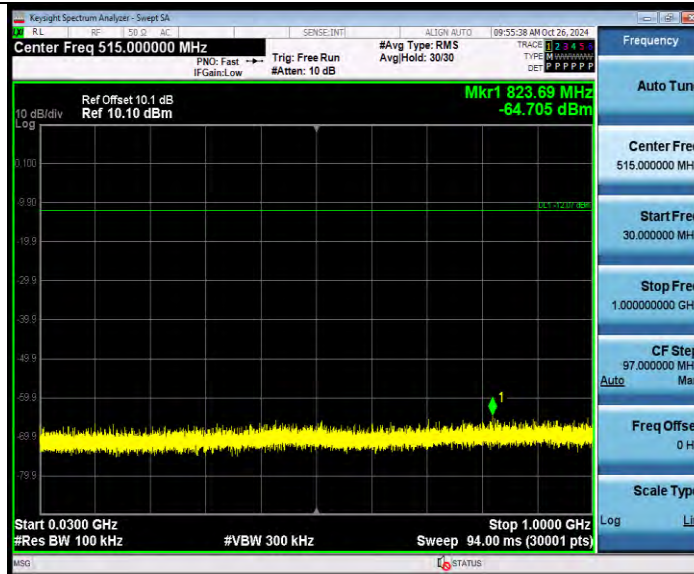


2DH5_Ant1_2402_30~1000



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Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference

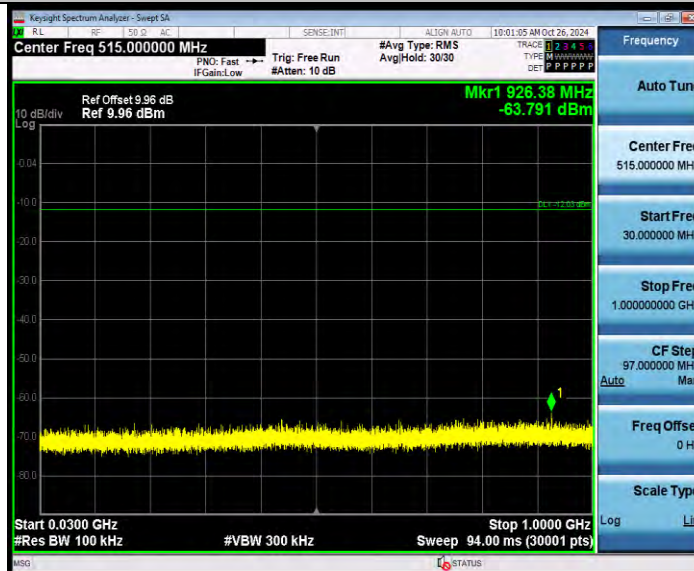


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Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2480_0~Reference

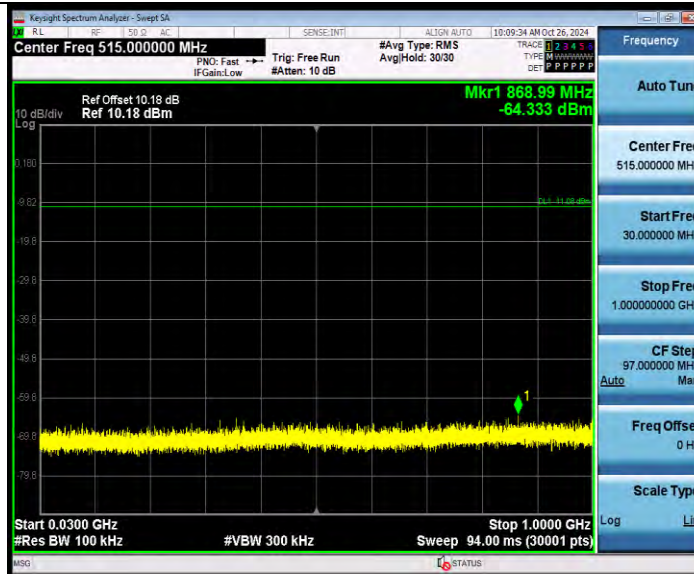


2DH5_Ant1_2480_30~1000



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VERITAS

Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

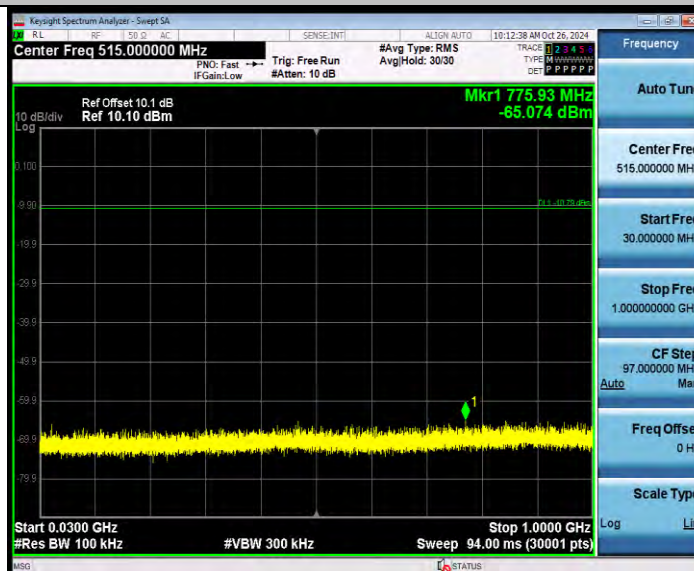


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Test Report No.: W7L-241014W001RF01



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500



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Test Report No.: W7L-241014W001RF01



3DH5_Ant1_2441_0~Reference

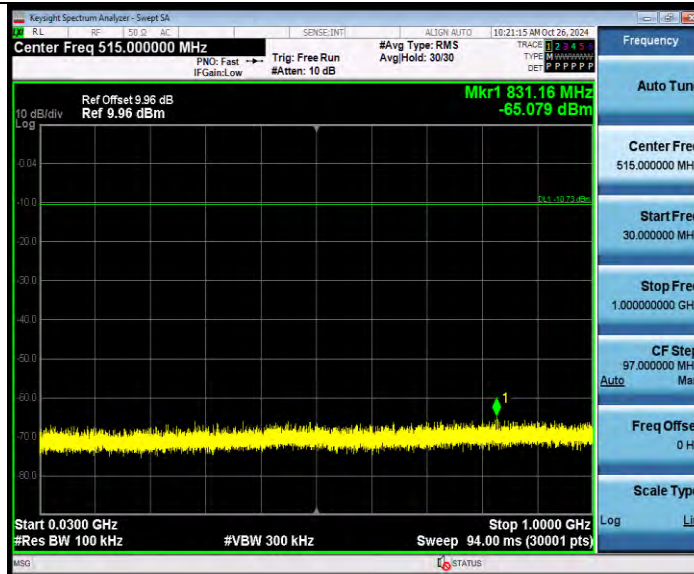


3DH5_Ant1_2441_30~1000



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Test Report No.: W7L-241014W001RF01



3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference

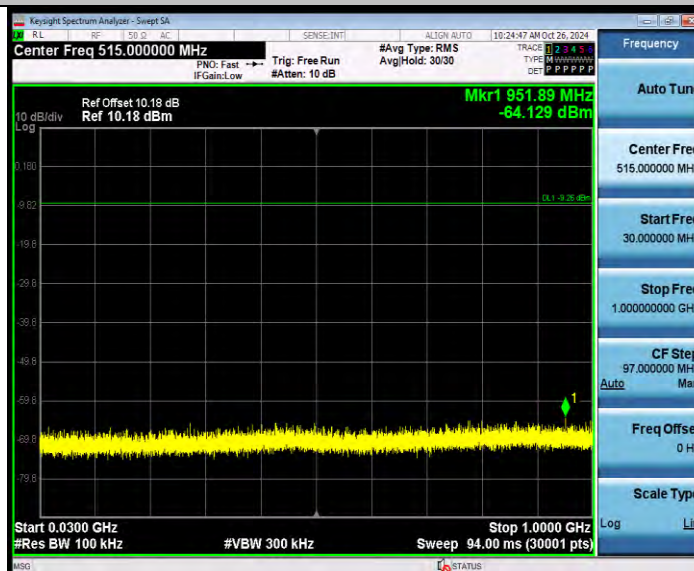


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Test Report No.: W7L-241014W001RF01



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



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VERITAS

Test Report No.: W7L-241014W001RF01



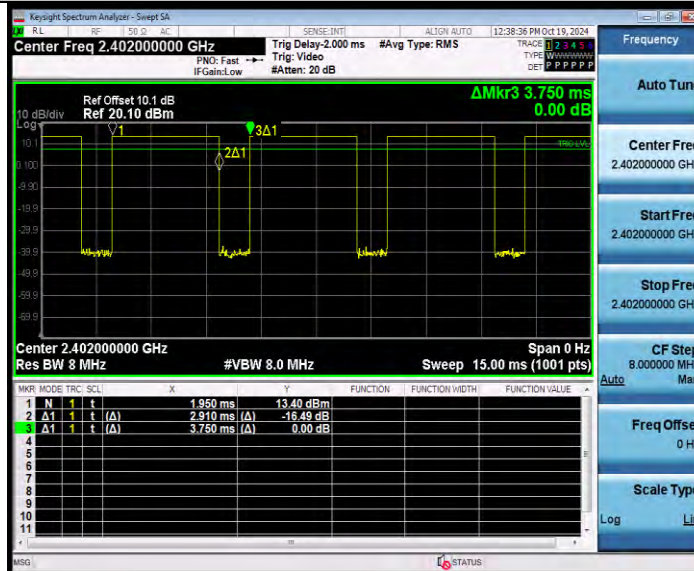
DUTY CYCLE

TEST RESULT

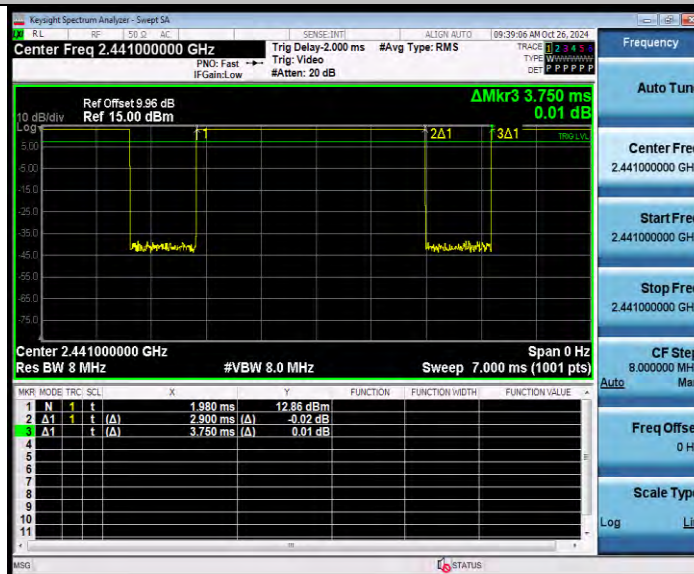
TestMode	Antenna	Frequency[M Hz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.91	3.75	77.60	1.10
		2441	2.90	3.75	77.33	1.12
		2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.91	3.75	77.60	1.10
		2441	2.90	3.75	77.33	1.12
		2480	2.90	3.75	77.33	1.12
3DH5	Ant1	2402	2.91	3.75	77.60	1.10
		2441	2.90	3.74	77.54	1.10
		2480	2.91	3.76	77.39	1.11

TEST GRAPHS

DH5_Ant1_2402



DH5_Ant1_2441

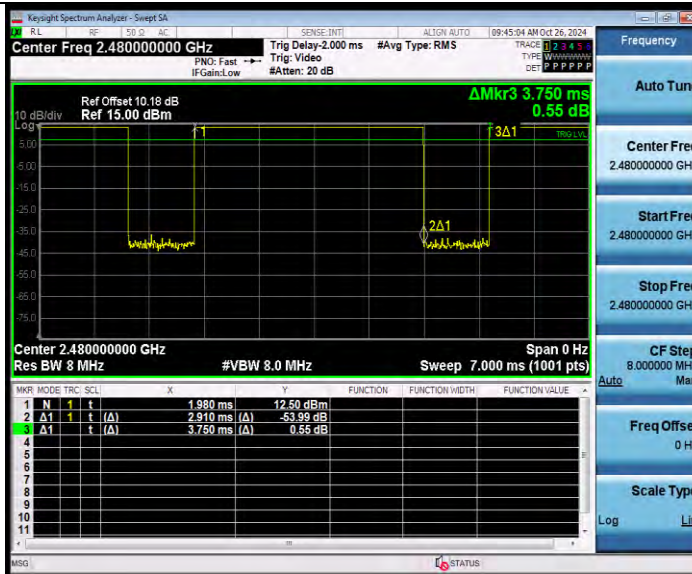


DH5_Ant1_2480

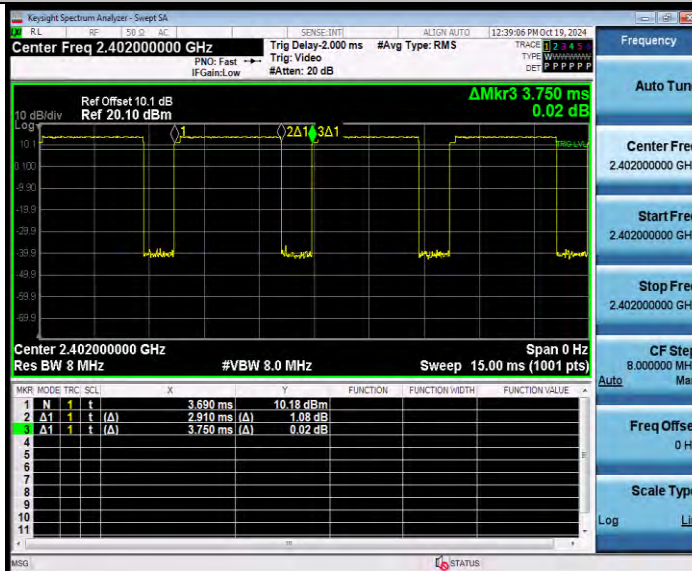


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Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2402

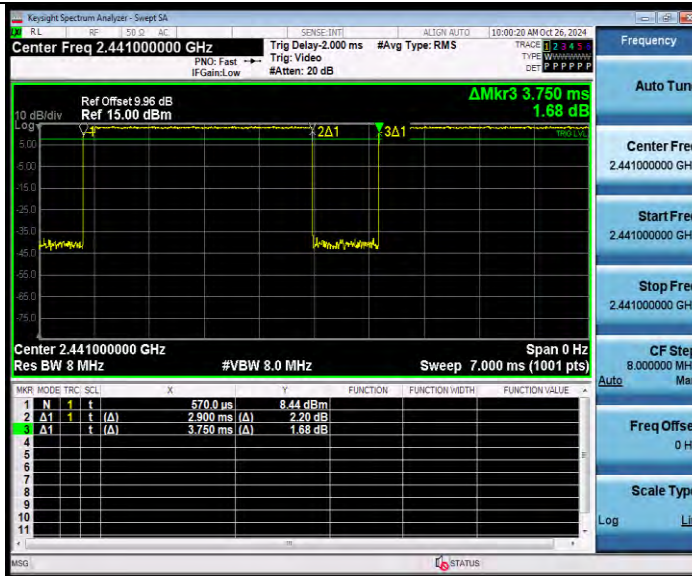


2DH5_Ant1_2441



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2DH5_Ant1_2480

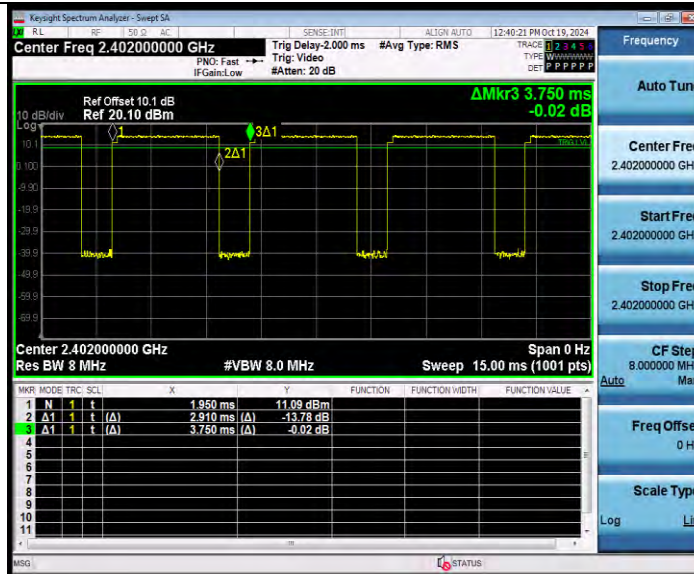


3DH5_Ant1_2402

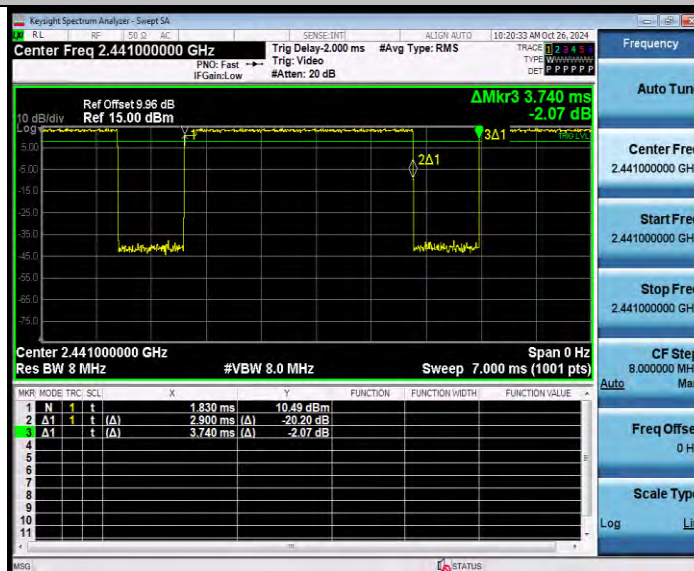


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3DH5_Ant1_2441



3DH5_Ant1_2480