



BUREAU
VERITAS

Test Report No.: PSU-NQN2412110314RF01



TIME OF OCCUPANCY

TEST RESULT

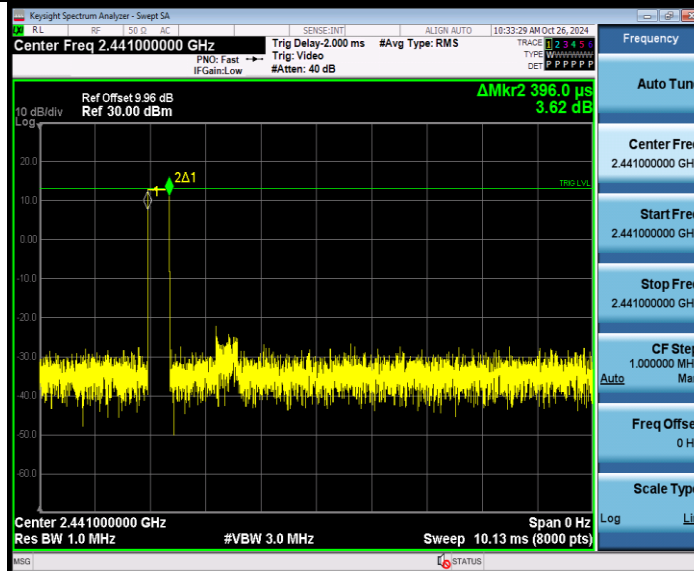
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.396	320	0.127	≤0.4	PASS
DH3	Ant1	Hop	1.653	160	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.901	107	0.309	≤0.4	PASS
2DH1	Ant1	Hop	0.400	320	0.128	≤0.4	PASS
2DH3	Ant1	Hop	1.653	160	0.264	≤0.4	PASS
2DH5	Ant1	Hop	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	2.903	107	0.310	≤0.4	PASS

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

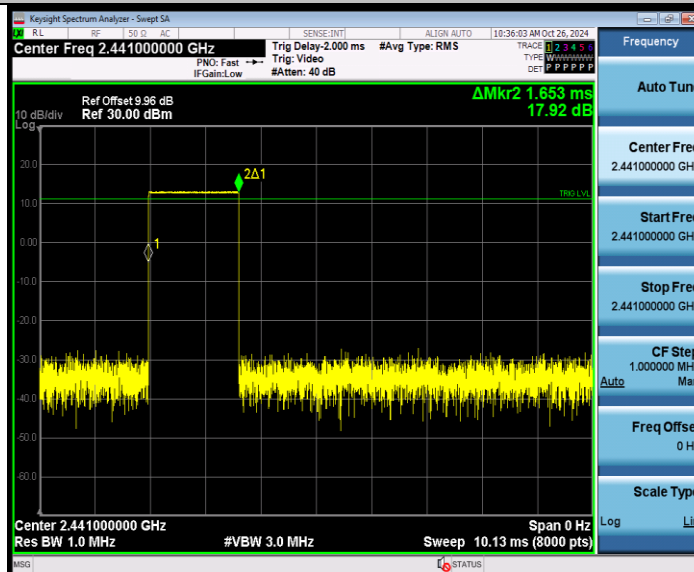
Send and receive Number : DH1/2DH1/3DH1=2; DH3/2DH3/3DH3=4; DH5/2DH5/3DH5=6

TEST GRAPHS

DH1_Ant1_Hop



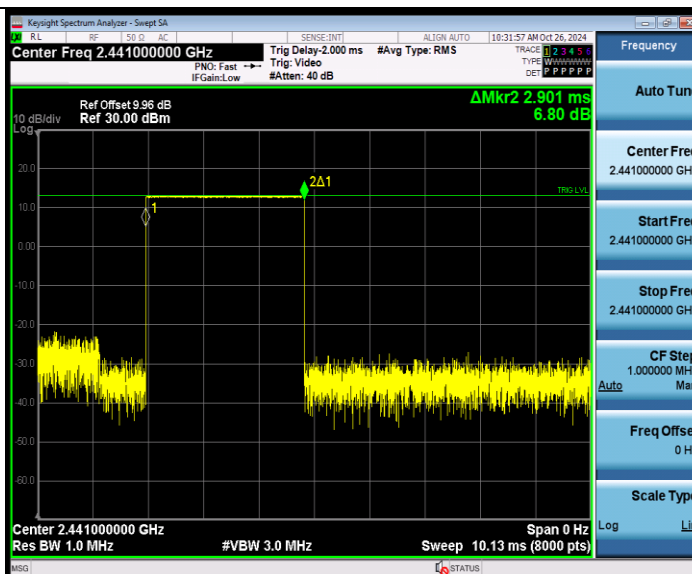
DH3_Ant1_Hop



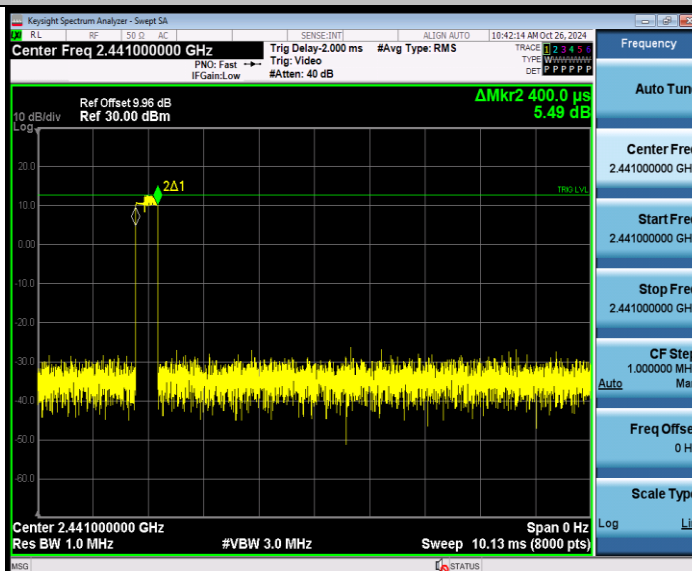
DH5_Ant1_Hop



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2DH1_Ant1_Hop

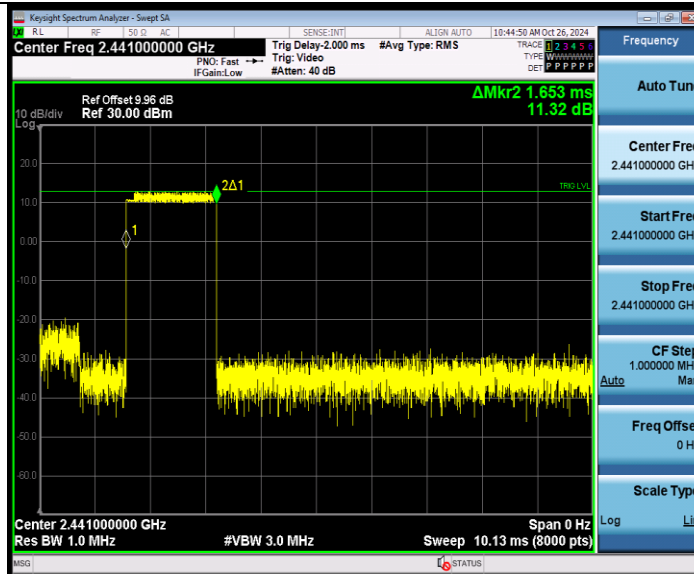


2DH3_Ant1_Hop

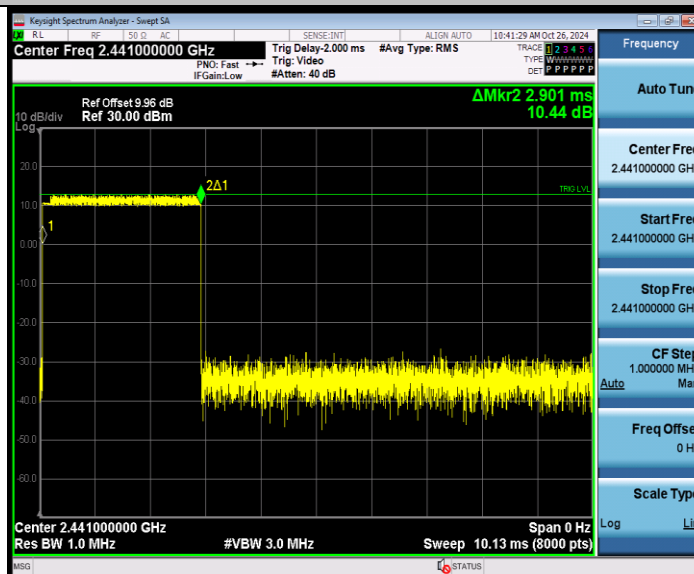


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2DH5_Ant1_Hop

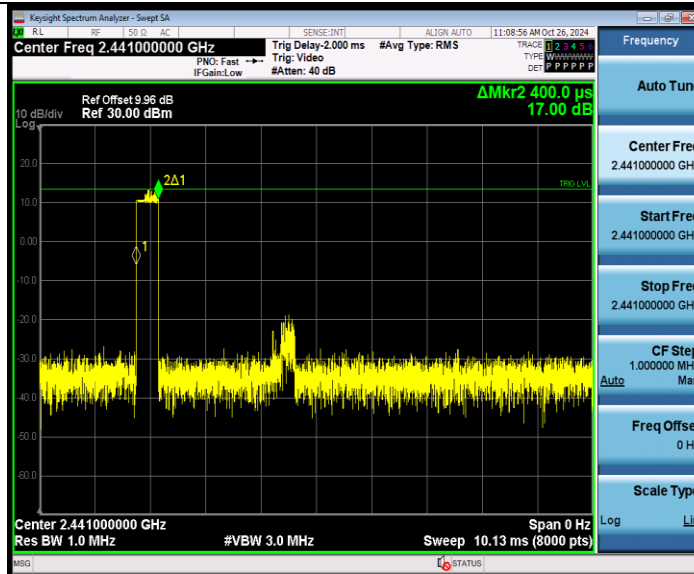


3DH1_Ant1_Hop

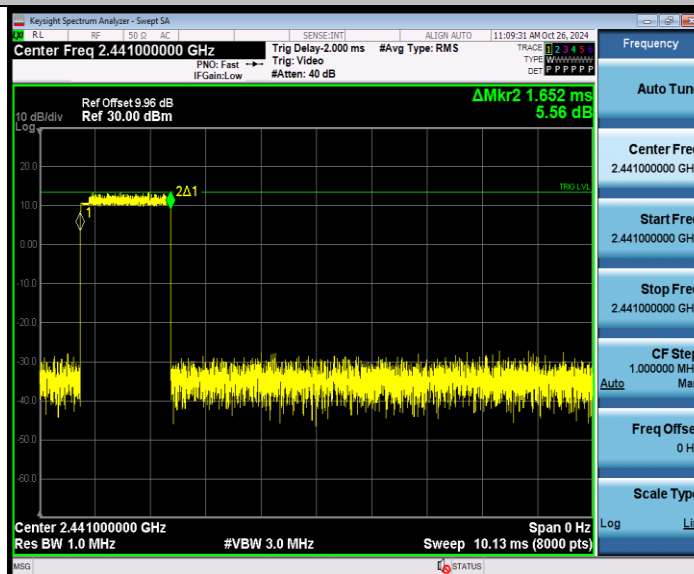


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3DH3_Ant1_Hop



3DH5_Ant1_Hop



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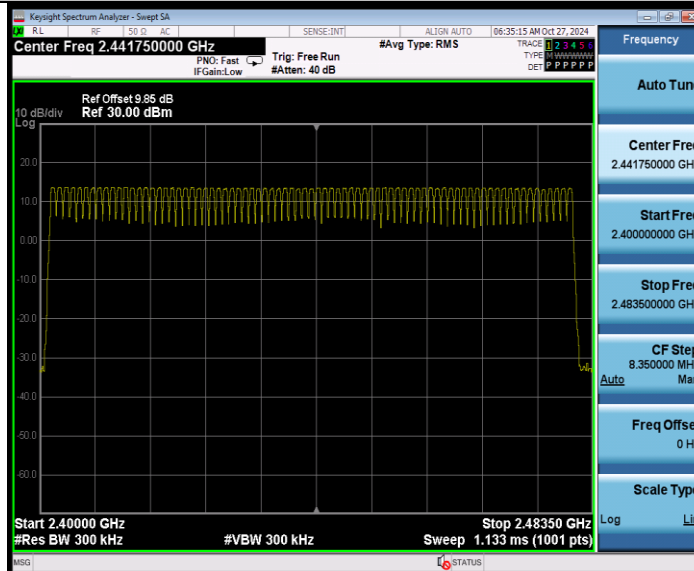
NUMBER OF HOPPING CHANNELS

TEST RESULT

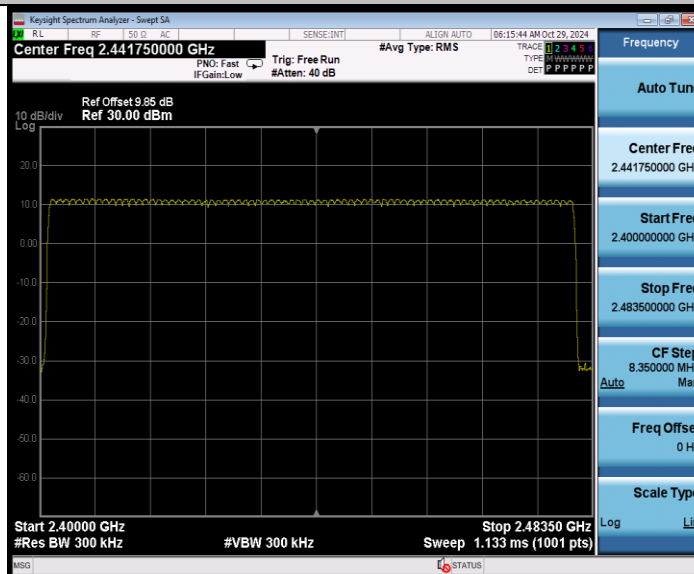
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
2DH5	Ant1	Hop	79	≥ 15	PASS
3DH5	Ant1	Hop	79	≥ 15	PASS

TEST GRAPHS

DH5_Ant1_Hop



2DH5_Ant1_Hop

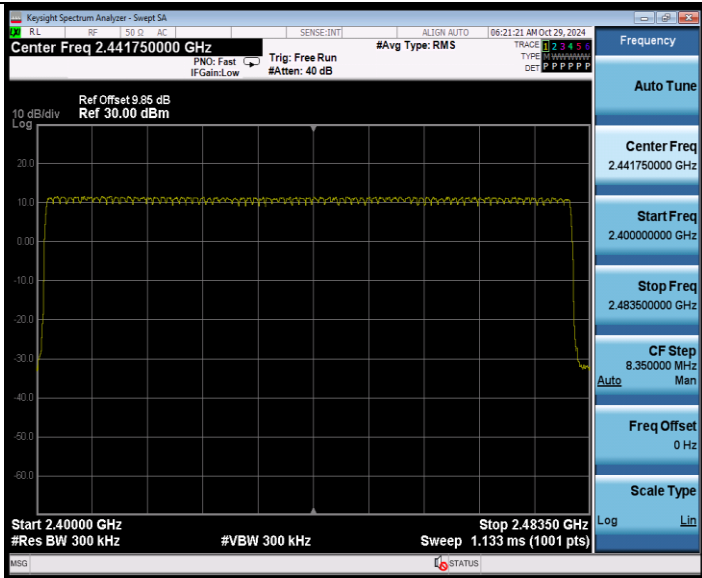


3DH5_Ant1_Hop



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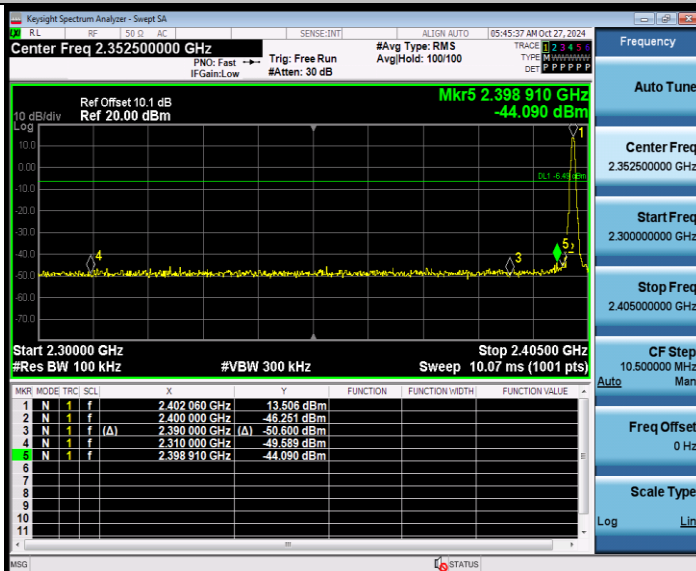
BAND EDGE MEASUREMENTS

TEST RESULT

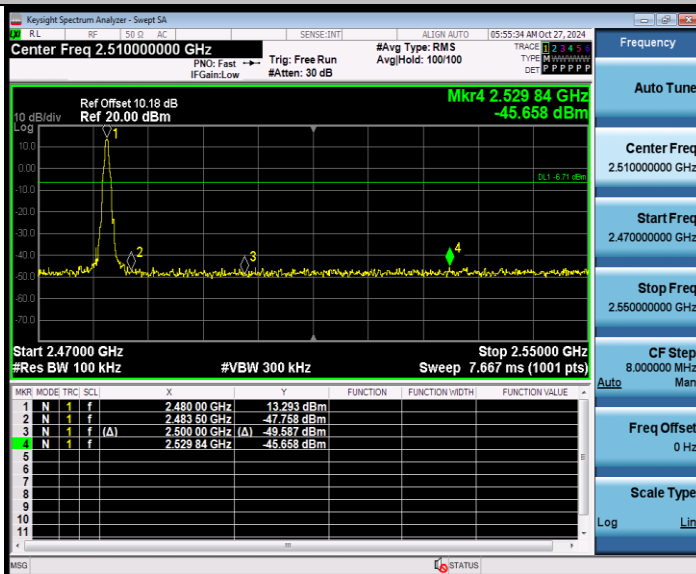
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	13.51	-44.09	≤-6.49	PASS
		High	2480	13.29	-45.66	≤-6.71	PASS
		Low	Hop_2402	12.78	-45.58	≤-7.22	PASS
		High	Hop_2480	12.46	-44.66	≤-7.55	PASS
2DH5	Ant1	Low	2402	10.92	-42.44	≤-9.08	PASS
		High	2480	10.88	-44.73	≤-9.13	PASS
		Low	Hop_2402	11.13	-44.84	≤-8.87	PASS
		High	Hop_2480	10.82	-44.75	≤-9.18	PASS
3DH5	Ant1	Low	2402	11.34	-43.55	≤-8.66	PASS
		High	2480	10.57	-45.11	≤-9.44	PASS
		Low	Hop_2402	9.62	-44.66	≤-10.38	PASS
		High	Hop_2480	11.09	-44.43	≤-8.91	PASS

TEST GRAPHS

DH5_Ant1_Low_2402



DH5_Ant1_High_2480

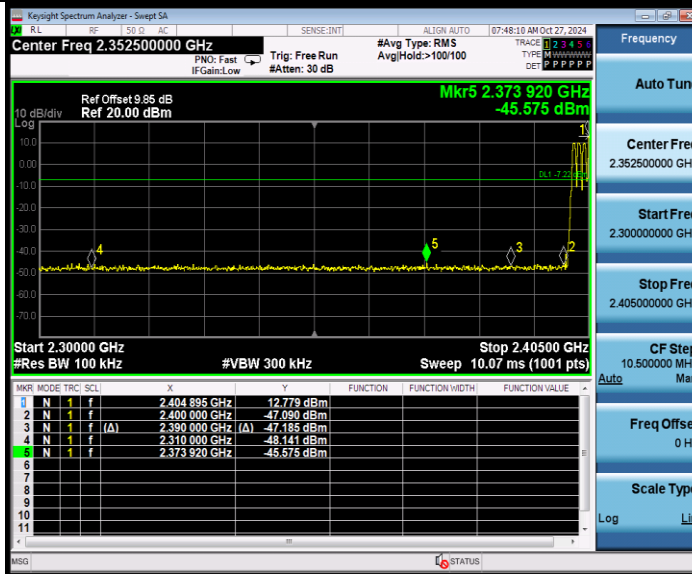


DH5_Ant1_Low_Hop_2402

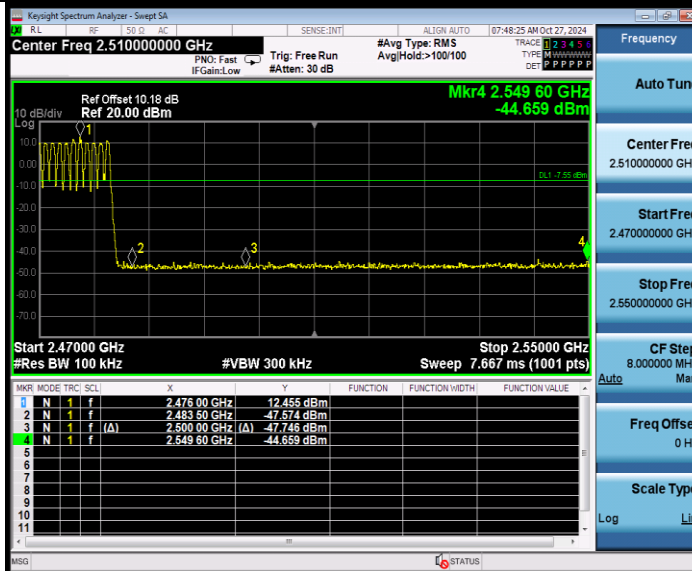


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DH5_Ant1_High_Hop_2480

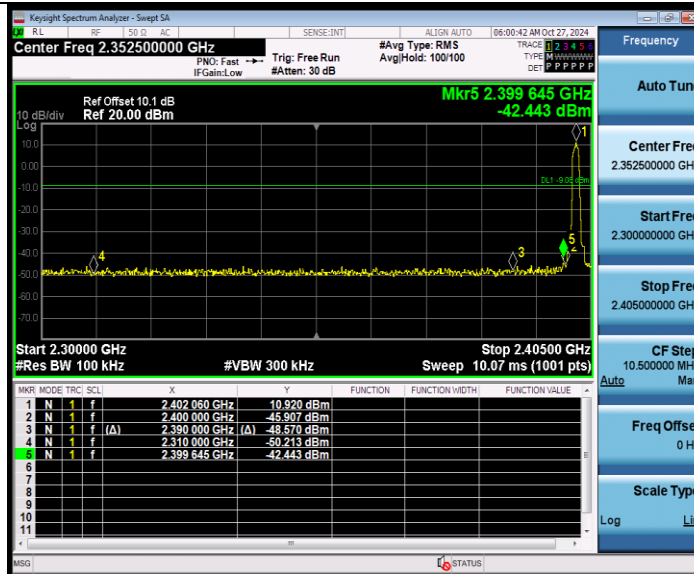


2DH5_Ant1_Low_2402

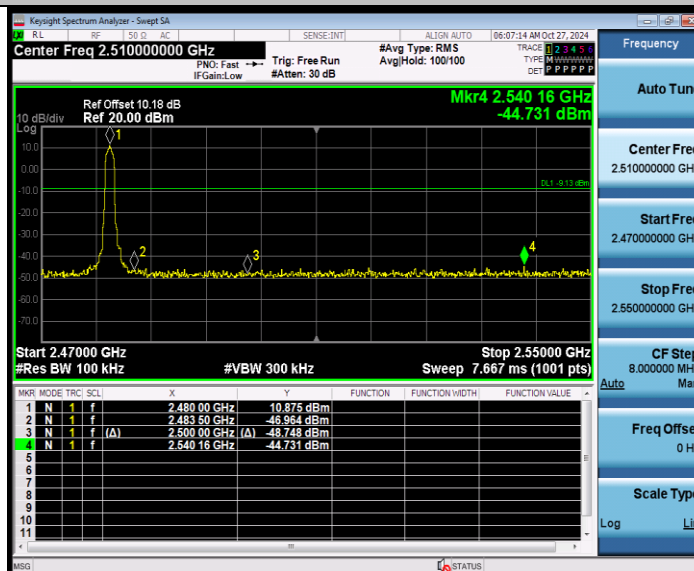


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2DH5_Ant1_High_2480

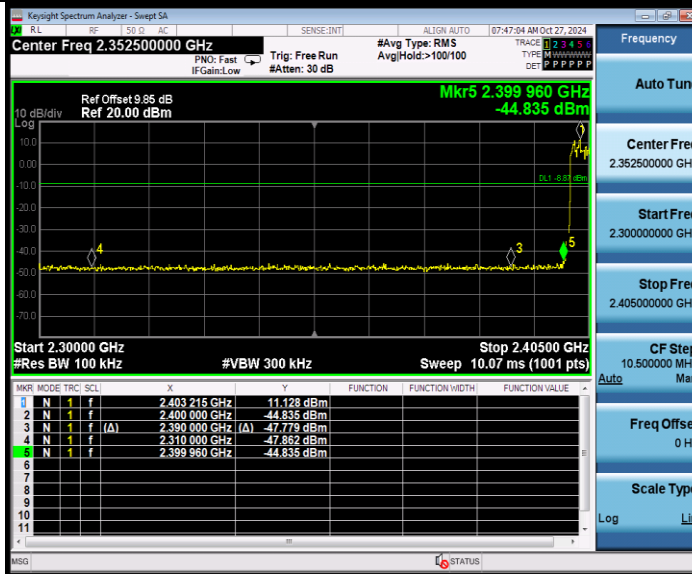


2DH5_Ant1_Low_Hop_2402

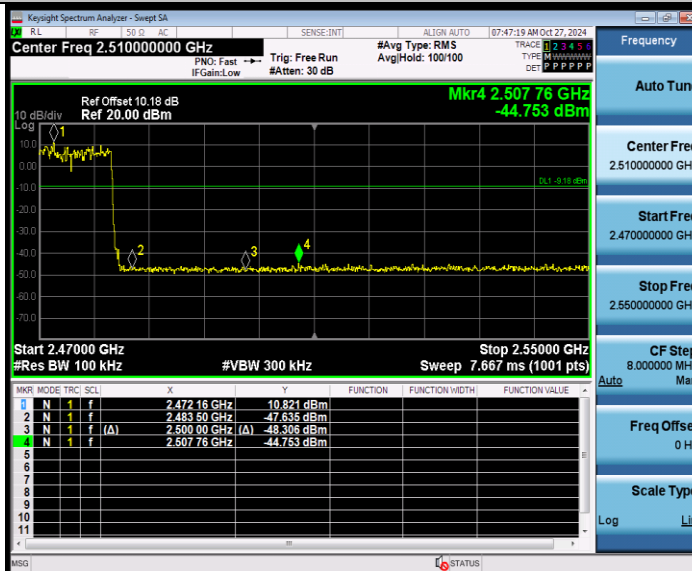


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2DH5_Ant1_High_Hop_2480

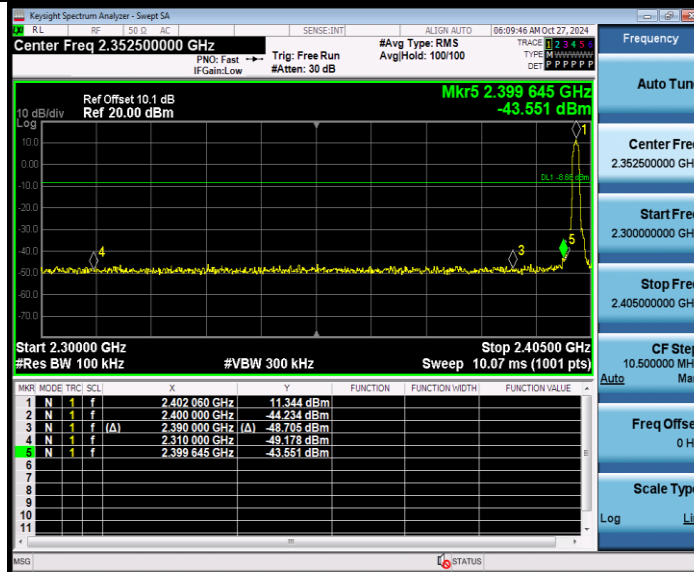


3DH5_Ant1_Low_2402

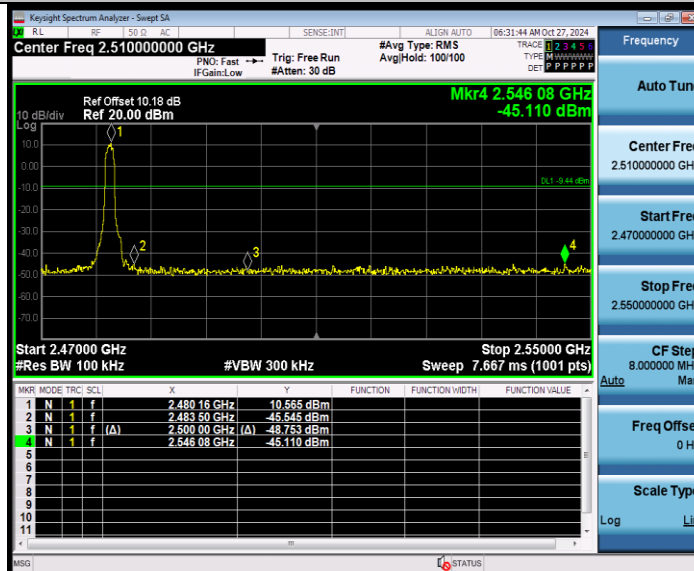


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3DH5_Ant1_High_2480

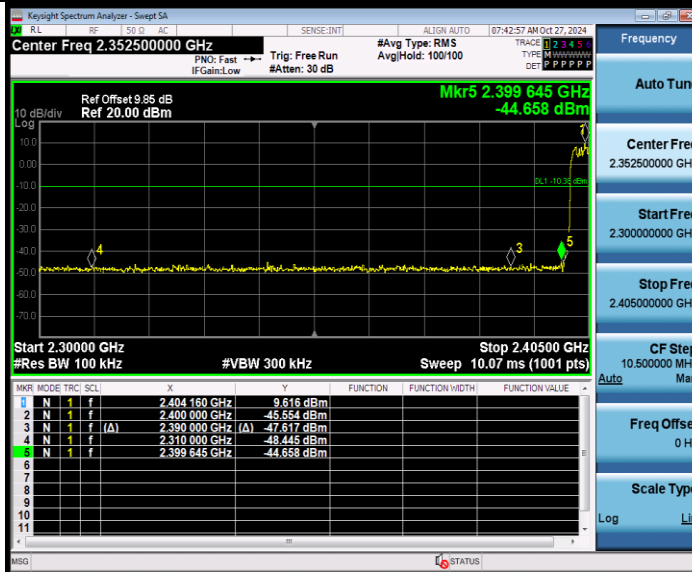


3DH5_Ant1_Low_Hop_2402

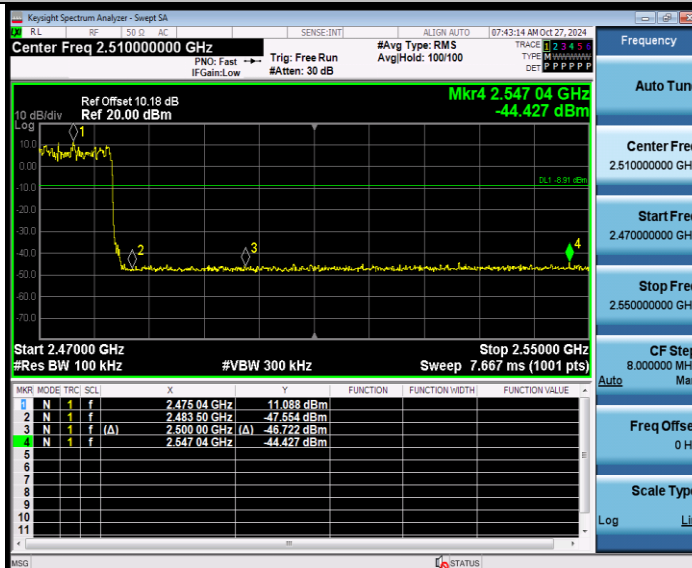


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3DH5_Ant1_High_Hop_2480



CONDUCTED SPURIOUS EMISSION

TEST RESULT

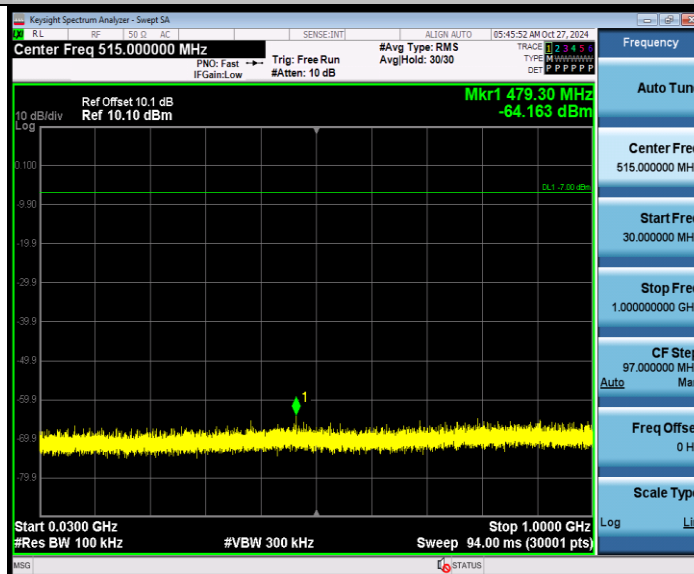
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	13.00	13.00	---	PASS
			30~1000	13.00	-64.16	≤ -7	PASS
			1000~26500	13.00	-45.57	≤ -7	PASS
		2441	Reference	12.55	12.55	---	PASS
			30~1000	12.55	-64.78	≤ -7.45	PASS
			1000~26500	12.55	-45.36	≤ -7.45	PASS
		2480	Reference	13.47	13.47	---	PASS
			30~1000	13.47	-63.93	≤ -6.53	PASS
			1000~26500	13.47	-45.56	≤ -6.53	PASS
2DH5	Ant1	2402	Reference	8.68	8.68	---	PASS
			30~1000	8.68	-64.96	≤ -11.32	PASS
			1000~26500	8.68	-44.82	≤ -11.32	PASS
		2441	Reference	10.50	10.50	---	PASS
			30~1000	10.50	-64.96	≤ -9.5	PASS
			1000~26500	10.50	-45.75	≤ -9.5	PASS
		2480	Reference	8.87	8.87	---	PASS
			30~1000	8.87	-64.32	≤ -11.13	PASS
			1000~26500	8.87	-44.64	≤ -11.13	PASS
3DH5	Ant1	2402	Reference	8.90	8.90	---	PASS
			30~1000	8.90	-64.72	≤ -11.1	PASS
			1000~26500	8.90	-45.37	≤ -11.1	PASS
		2441	Reference	9.06	9.06	---	PASS
			30~1000	9.06	-63.83	≤ -10.94	PASS
			1000~26500	9.06	-45.93	≤ -10.94	PASS
		2480	Reference	9.06	9.06	---	PASS
			30~1000	9.06	-64	≤ -10.94	PASS
			1000~26500	9.06	-45.49	≤ -10.94	PASS

TEST GRAPHS

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000

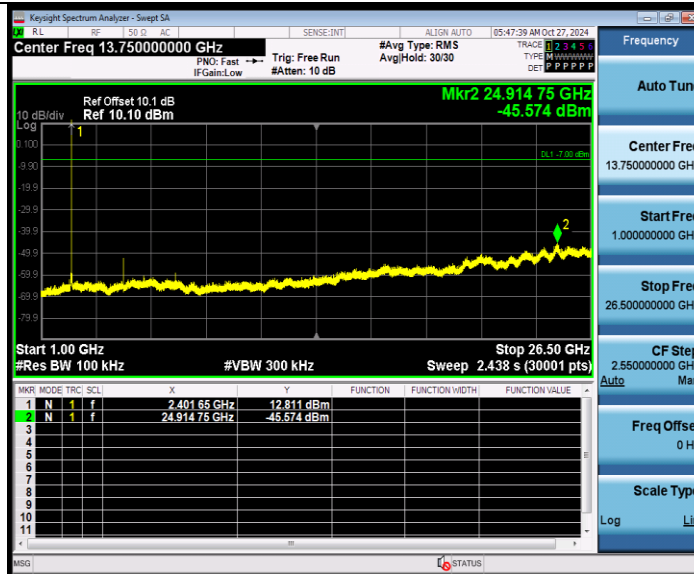


DH5_Ant1_2402_1000~26500



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DH5_Ant1_2441_0~Reference

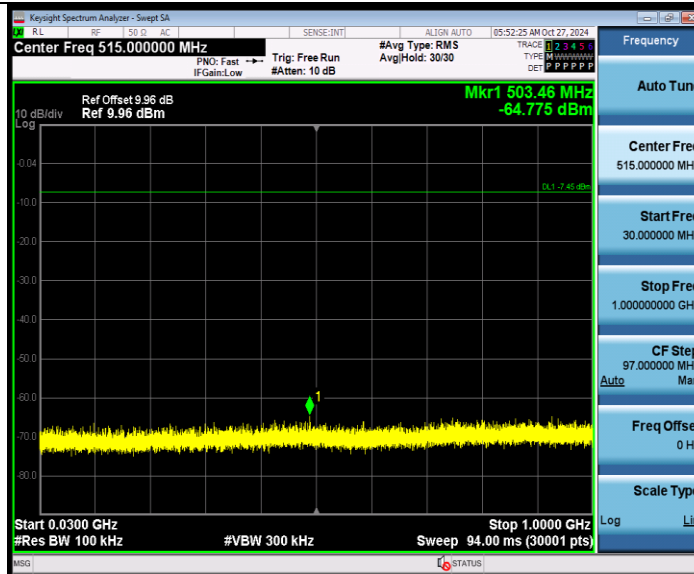


DH5_Ant1_2441_30~1000

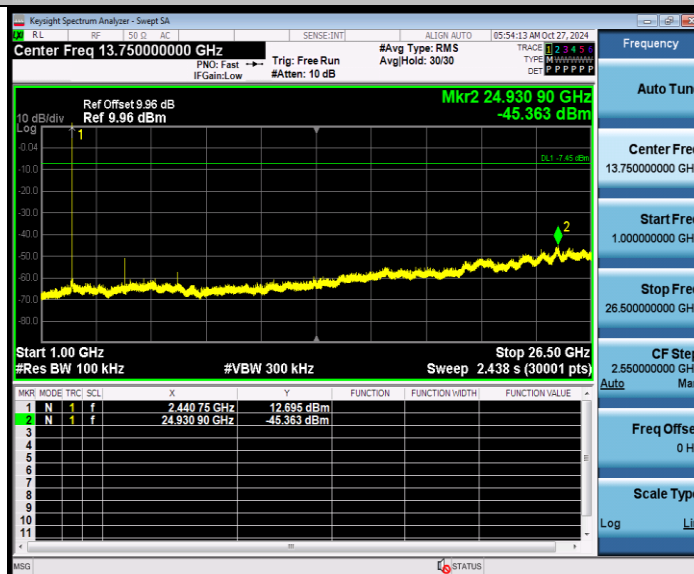


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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference

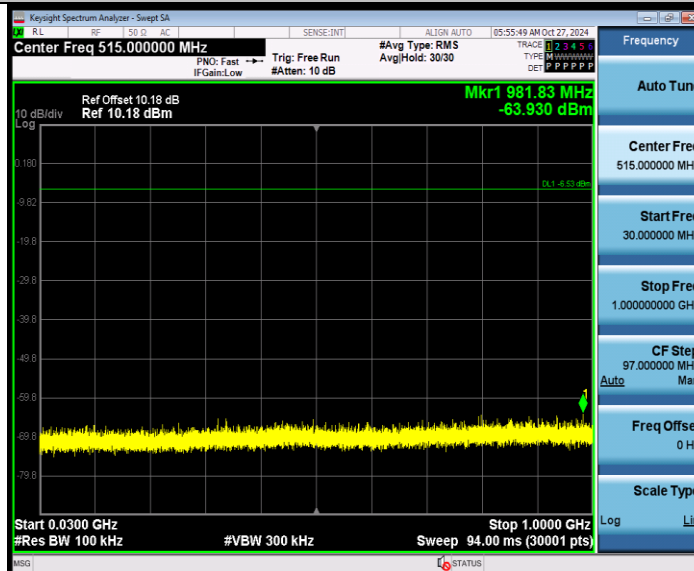


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DH5_Ant1_2480_30~1000

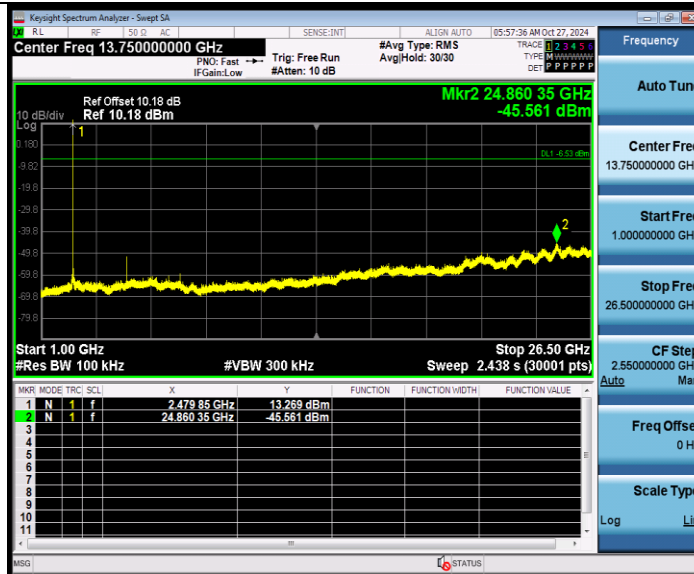


DH5_Ant1_2480_1000~26500

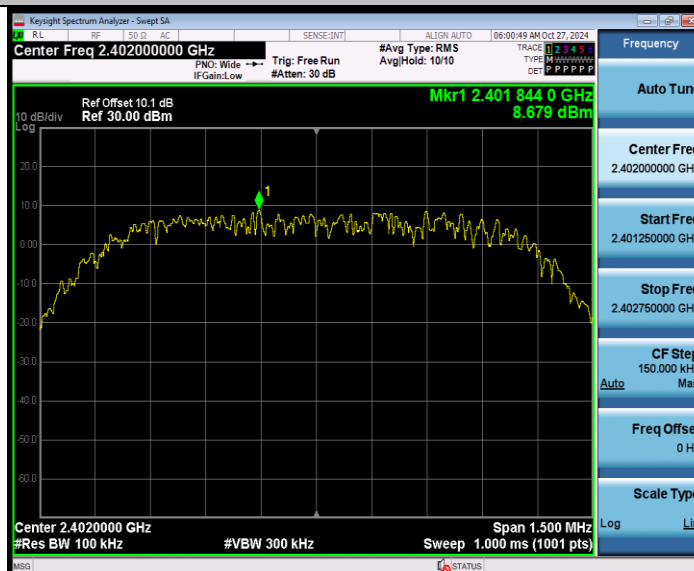


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2DH5_Ant1_2402_0~Reference

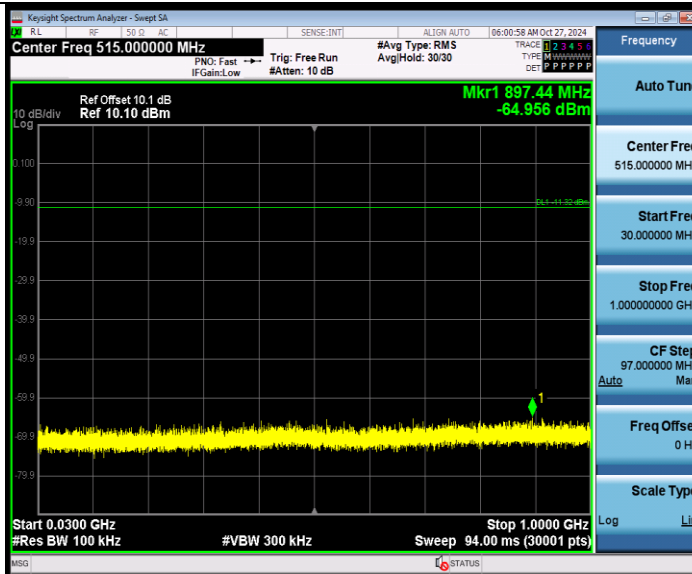


2DH5_Ant1_2402_30~1000

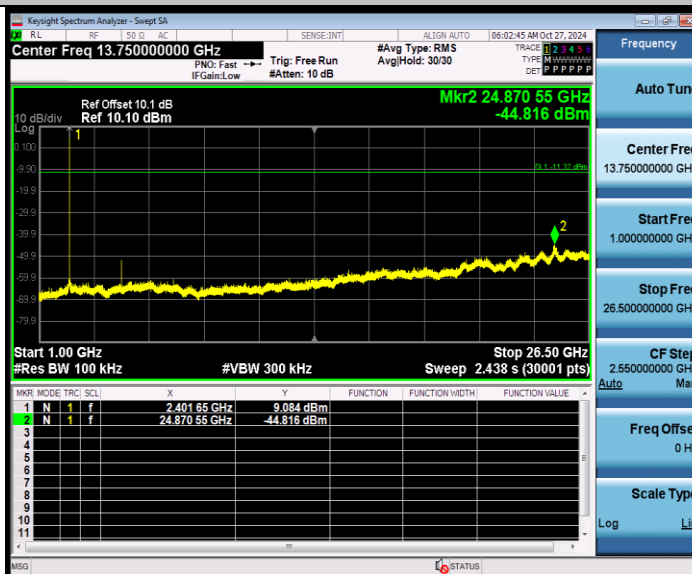


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2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference

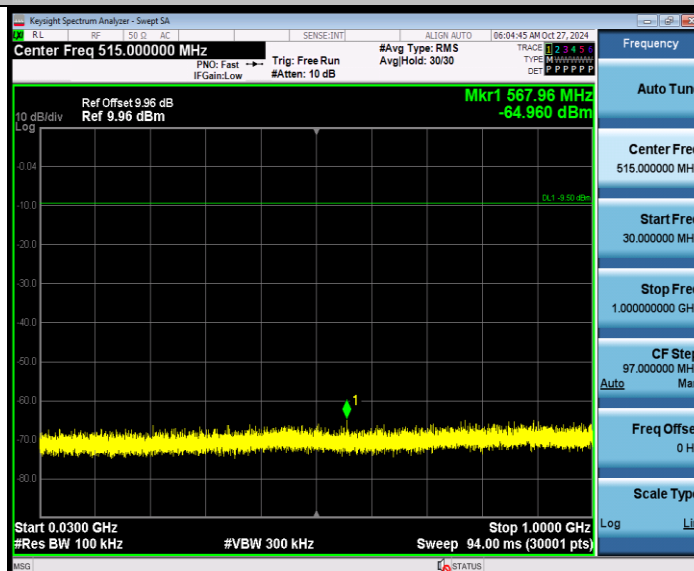


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2DH5_Ant1_2441_30~1000

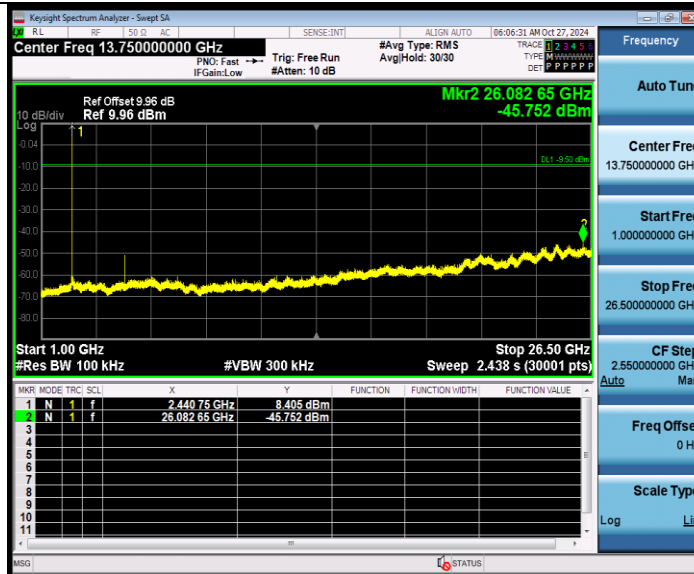


2DH5_Ant1_2441_1000~26500

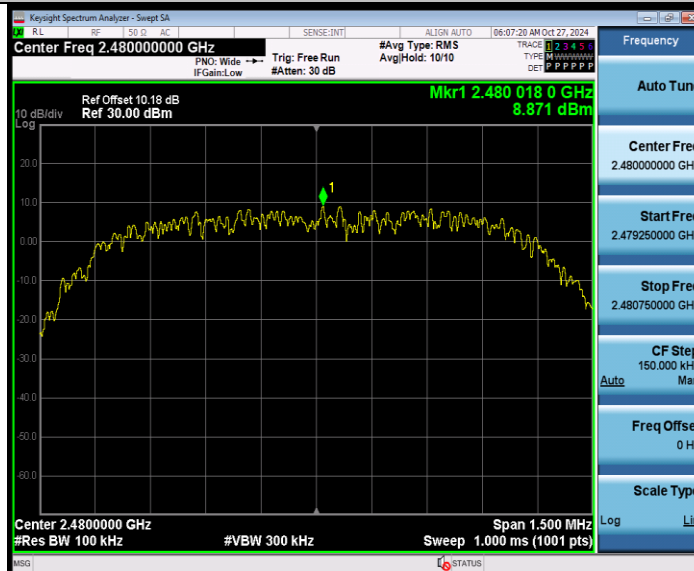


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2DH5_Ant1_2480_0~Reference

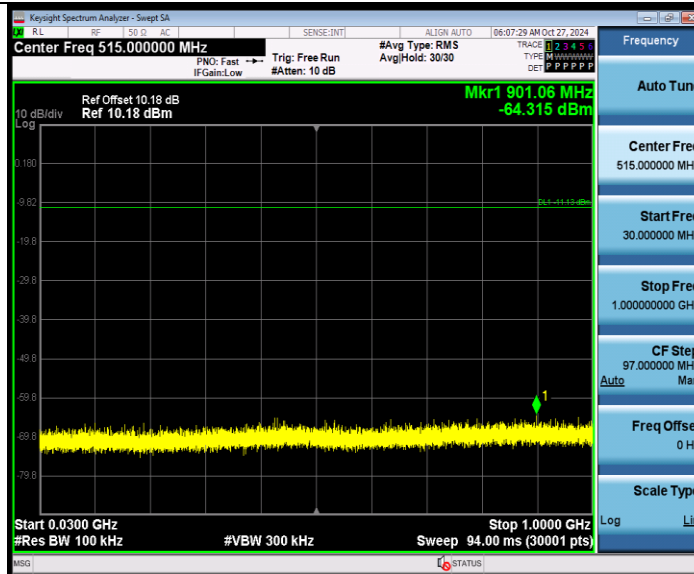


2DH5_Ant1_2480_30~1000



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2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

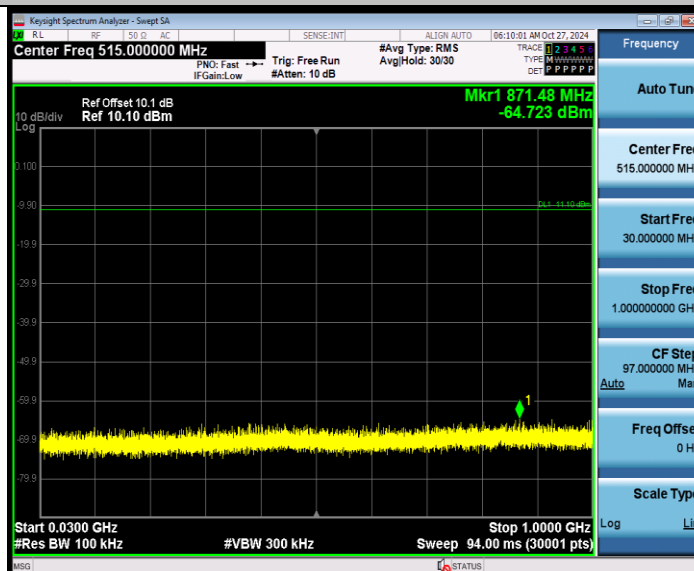


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3DH5_Ant1_2402_30~1000

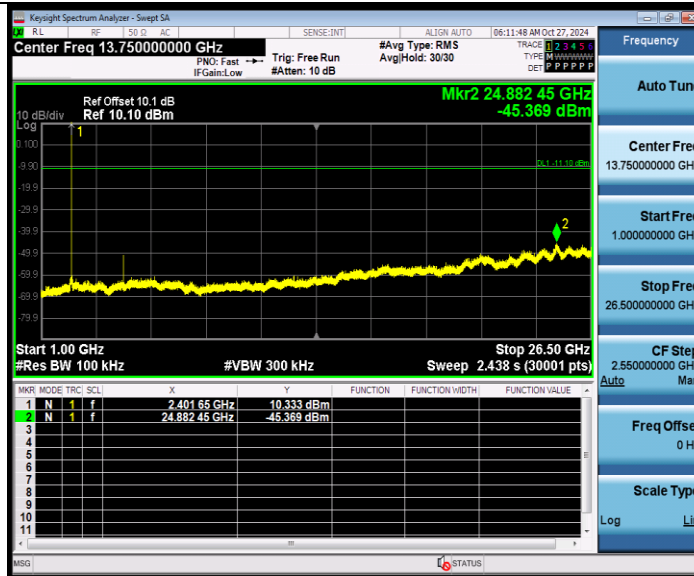


3DH5_Ant1_2402_1000~26500

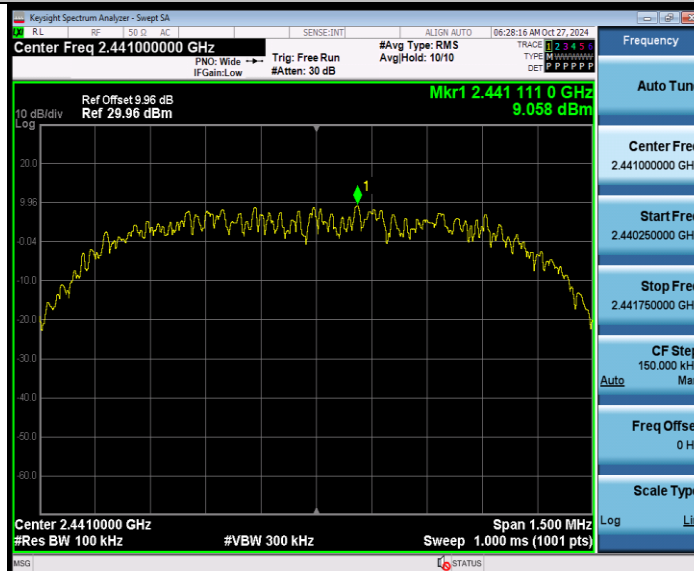


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3DH5_Ant1_2441_0~Reference

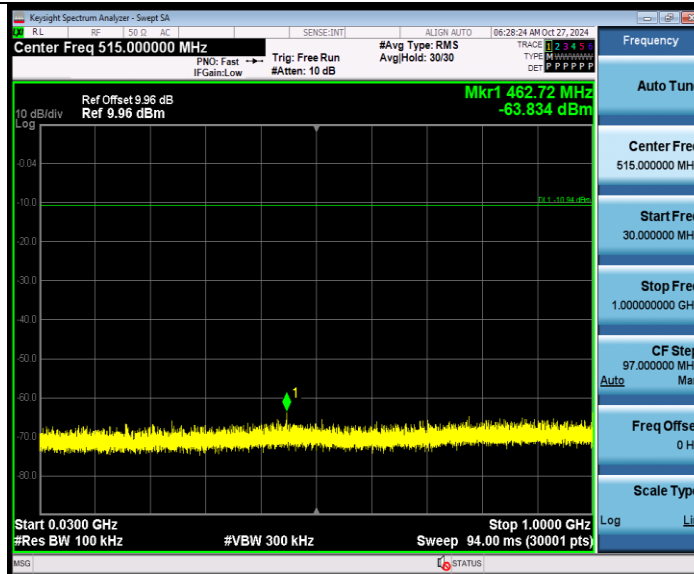


3DH5_Ant1_2441_30~1000



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3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference

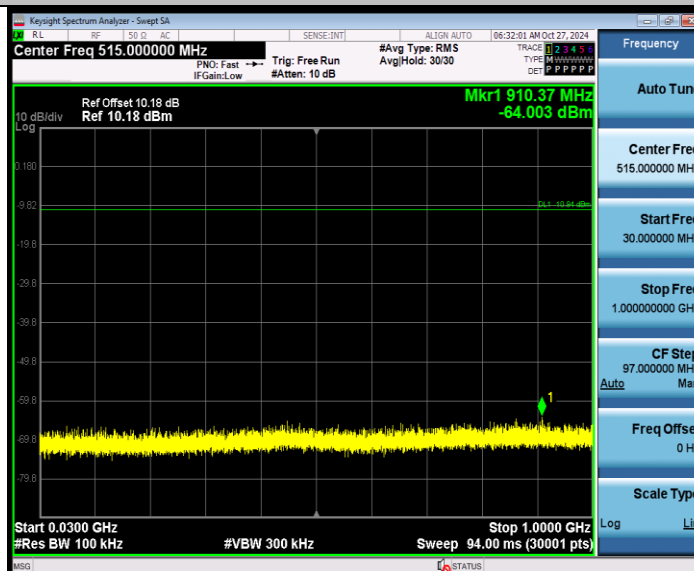


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3DH5_Ant1_2480_30~1000

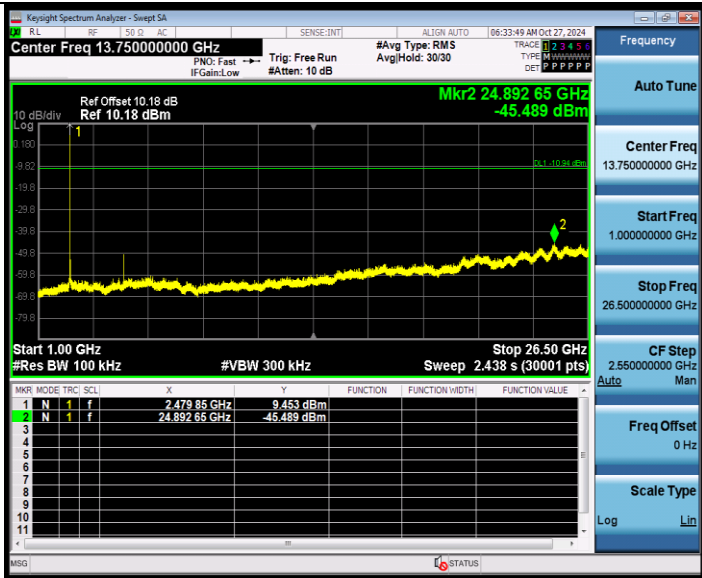


3DH5_Ant1_2480_1000~26500



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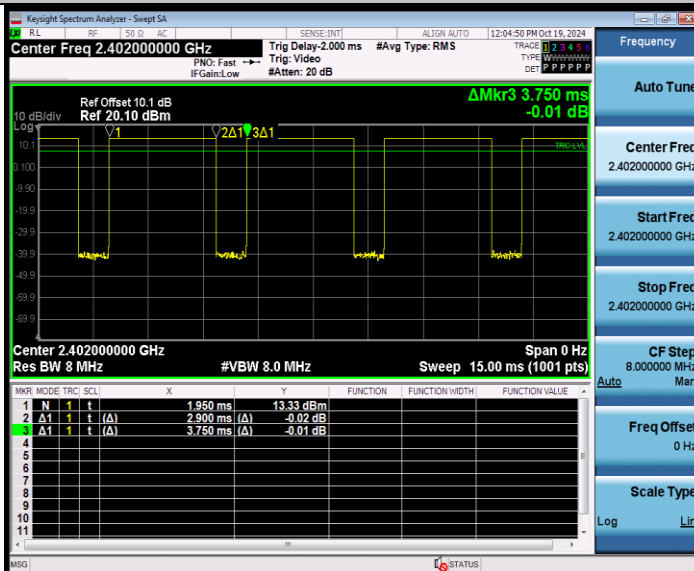
DUTY CYCLE

TEST RESULT

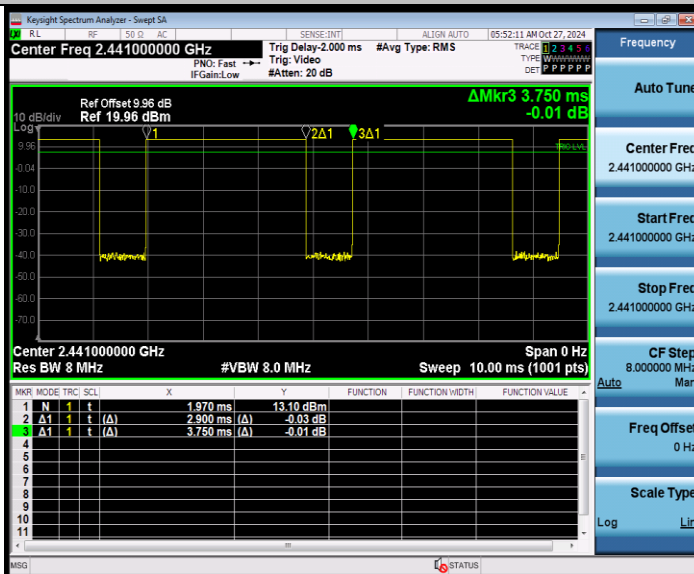
TestMode	Antenna	Frequency[M Hz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.90	3.75	77.33	1.12
		2441	2.90	3.75	77.33	1.12
		2480	2.90	3.75	77.33	1.12
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
		2441	2.90	3.75	77.33	1.12
		2480	2.90	3.75	77.33	1.12
3DH5	Ant1	2402	2.91	3.76	77.39	1.11
		2441	2.91	3.75	77.60	1.10
		2480	2.90	3.75	77.33	1.12

TEST GRAPHS

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480