

APPENDIX A:BT

20DB EMISSION BANDWIDTH TEST RESULT

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.538	2402.480	---	---
		2441	0.936	2440.544	2441.480	---	---
		2480	0.939	2479.544	2480.483	---	---
2DH5	Ant1	2402	1.329	2401.331	2402.660	---	---
		2441	1.362	2440.319	2441.681	---	---
		2480	1.350	2479.322	2480.672	---	---
3DH5	Ant1	2402	1.290	2401.364	2402.654	---	---
		2441	1.335	2440.328	2441.663	---	---
		2480	1.338	2479.325	2480.663	---	---

TEST GRAPHS





2DH5_Ant1_2402



2DH5_Ant1_2441





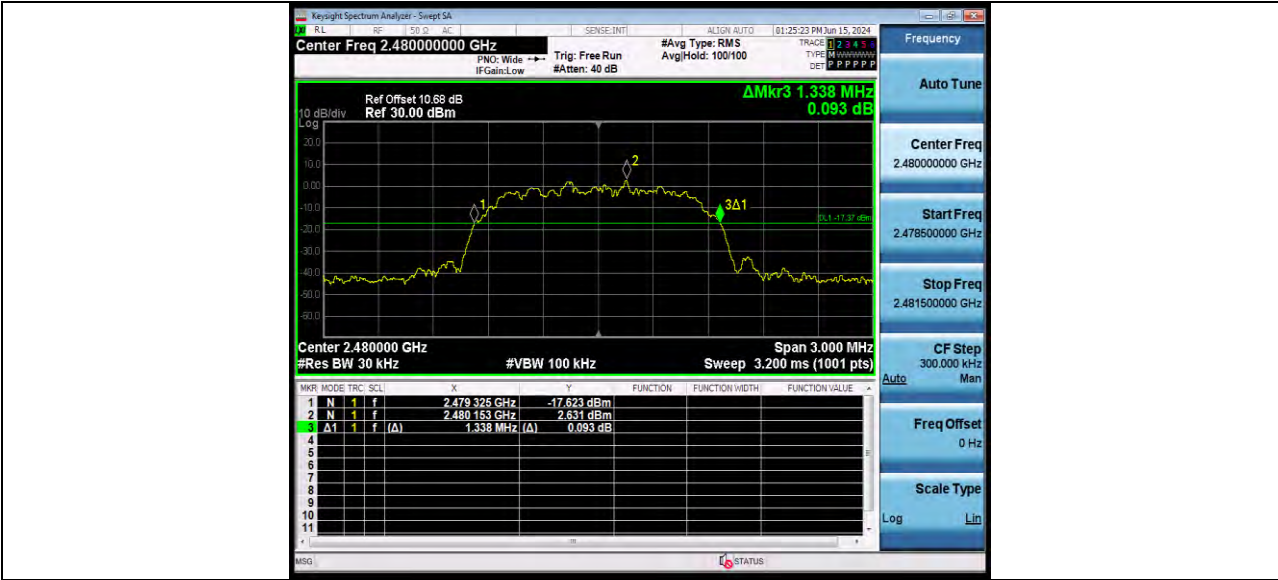
3DH5_Ant1_2441



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	0.83680	2401.5803	2402.4171	---	---
		2441	0.84910	2440.5739	2441.4230	---	---
		2480	0.84072	2479.5746	2480.4153	---	---
2DH5	Ant1	2402	1.2009	2401.4001	2402.6010	---	---
		2441	1.1873	2440.4034	2441.5907	---	---
		2480	1.1926	2479.4007	2480.5933	---	---
3DH5	Ant1	2402	1.1890	2401.4024	2402.5914	---	---
		2441	1.1936	2440.4013	2441.5949	---	---
		2480	1.1859	2479.4027	2480.5886	---	---

TEST GRAPHS



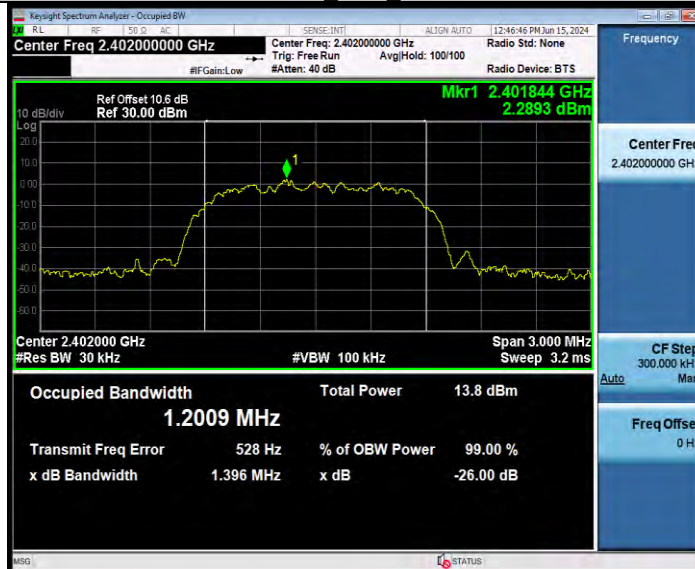


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Reference No.: W7L-P24050018RF01



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



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]	Verdict	Power Setting
DH5	Ant1	2402	10.1	10.09	10.21	≤20.97	PASS	Default
		2441	10.97	10.96	12.47	≤20.97	PASS	Default
		2480	9.66	9.67	9.27	≤20.97	PASS	Default
2DH5	Ant1	2402	6.81	9.24	8.39	≤20.97	PASS	Default
		2441	7.71	10.13	10.30	≤20.97	PASS	Default
		2480	6.32	8.76	7.52	≤20.97	PASS	Default
3DH5	Ant1	2402	6.8	9.54	8.99	≤20.97	PASS	Default
		2441	7.7	10.46	11.12	≤20.97	PASS	Default
		2480	6.31	9.11	8.15	≤20.97	PASS	Default

CARRIER FREQUENCY SEPARATION TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.026	≥0.942	PASS
2DH5	Ant1	Hop	1.01	≥0.908	PASS
3DH5	Ant1	Hop	1.156	≥0.892	PASS

TEST GRAPHS





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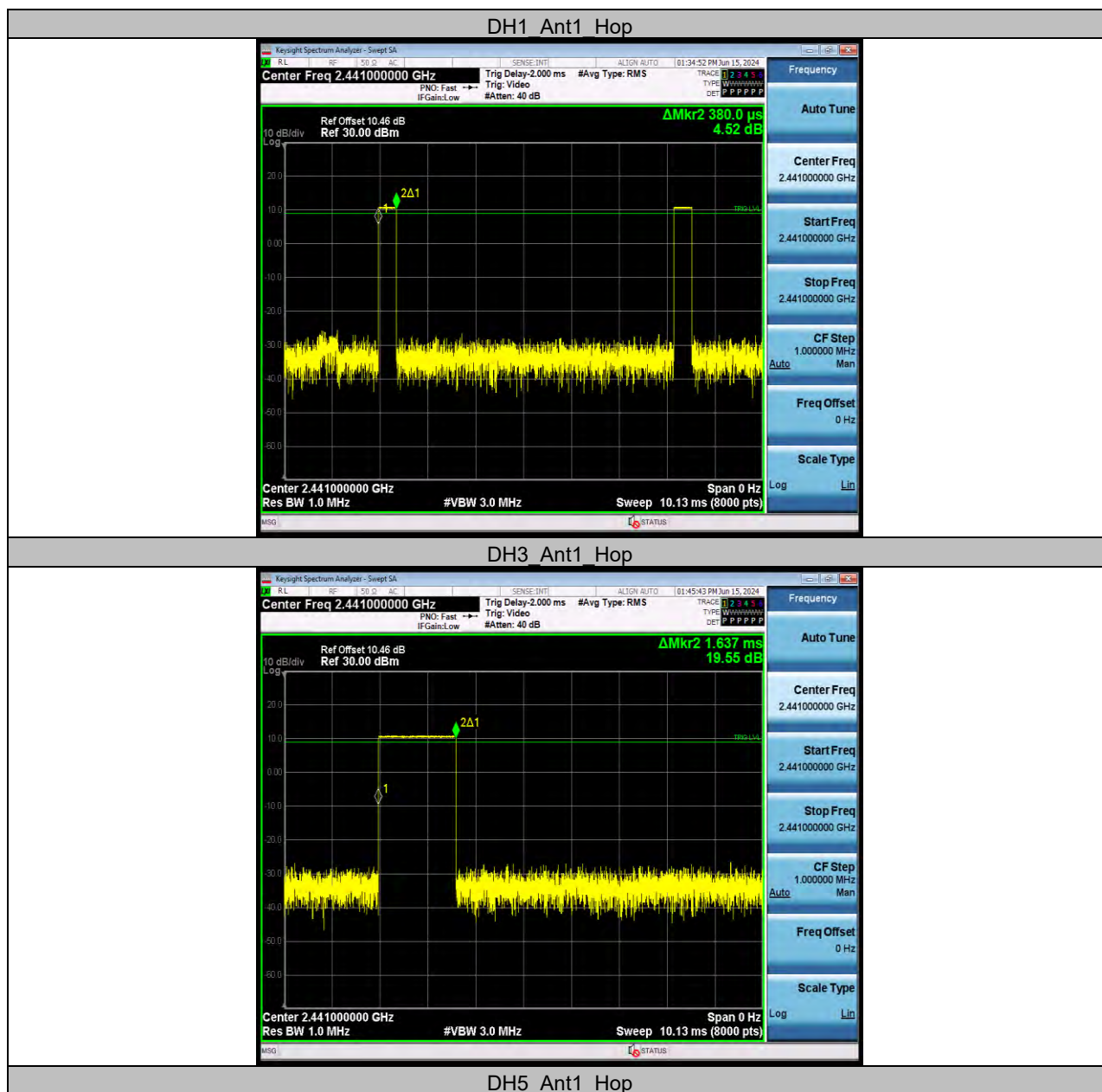
TIME OF OCCUPANCY TEST RESULT

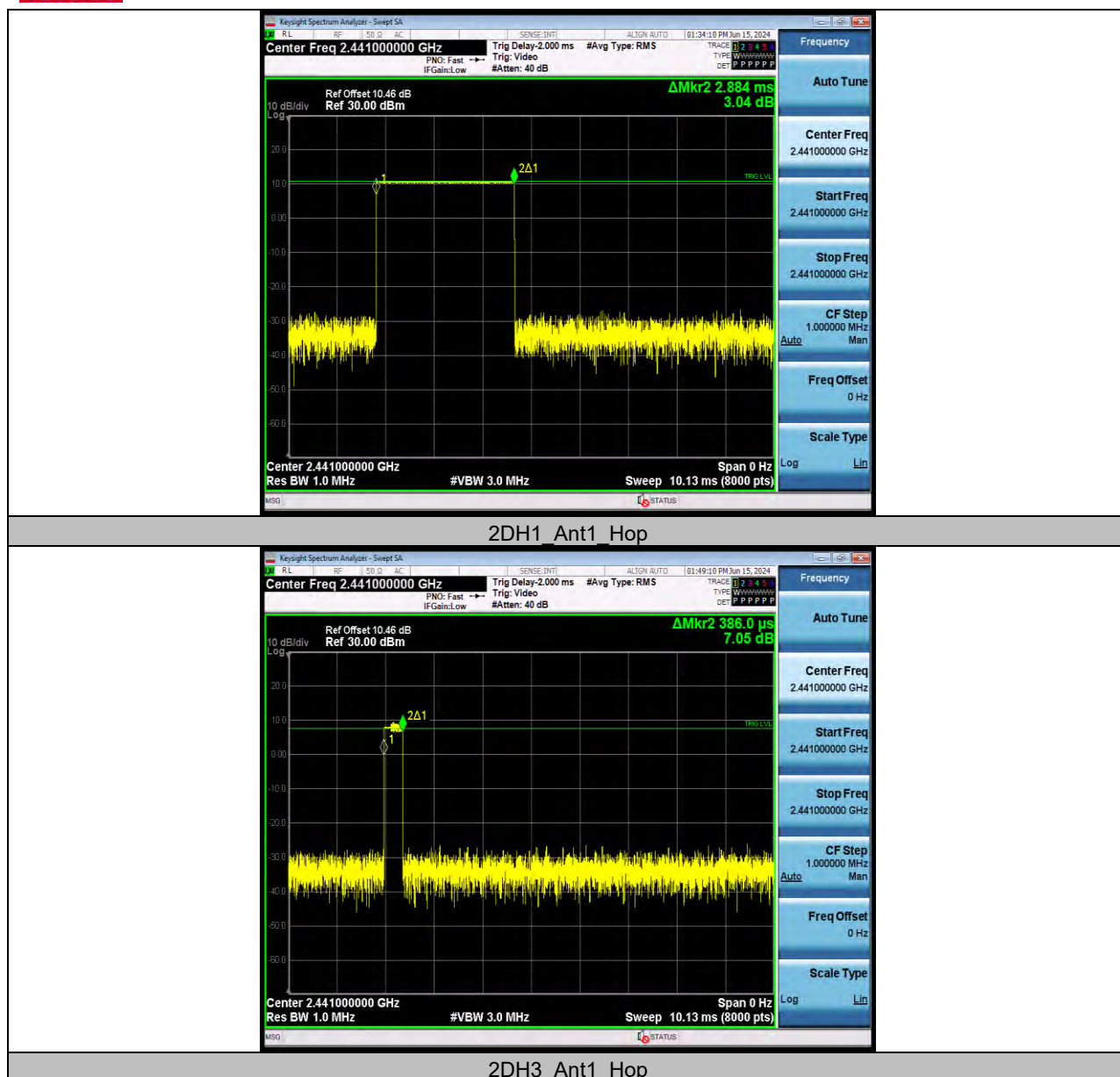
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.380	320	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.637	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.884	106.67	0.308	≤0.4	PASS
2DH1	Ant1	Hop	0.386	320	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.638	160	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS
3DH1	Ant1	Hop	0.386	320	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.637	160	0.262	≤0.4	PASS
3DH5	Ant1	Hop	2.888	106.67	0.308	≤0.4	PASS

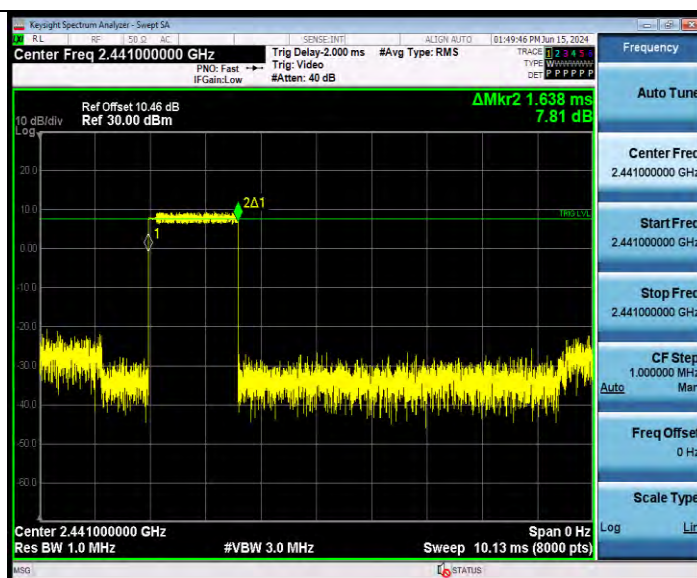
NOTE: TotalHops =[1600/(Send and receive Number*79)]*0.4*79;

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

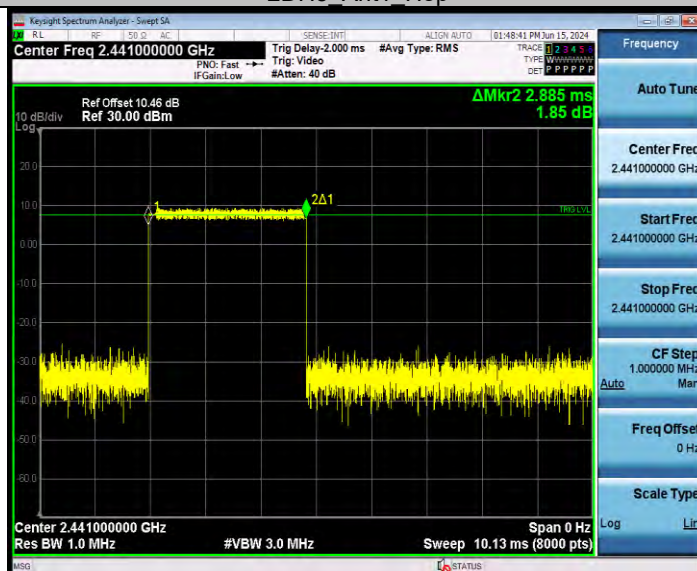
TEST GRAPHS



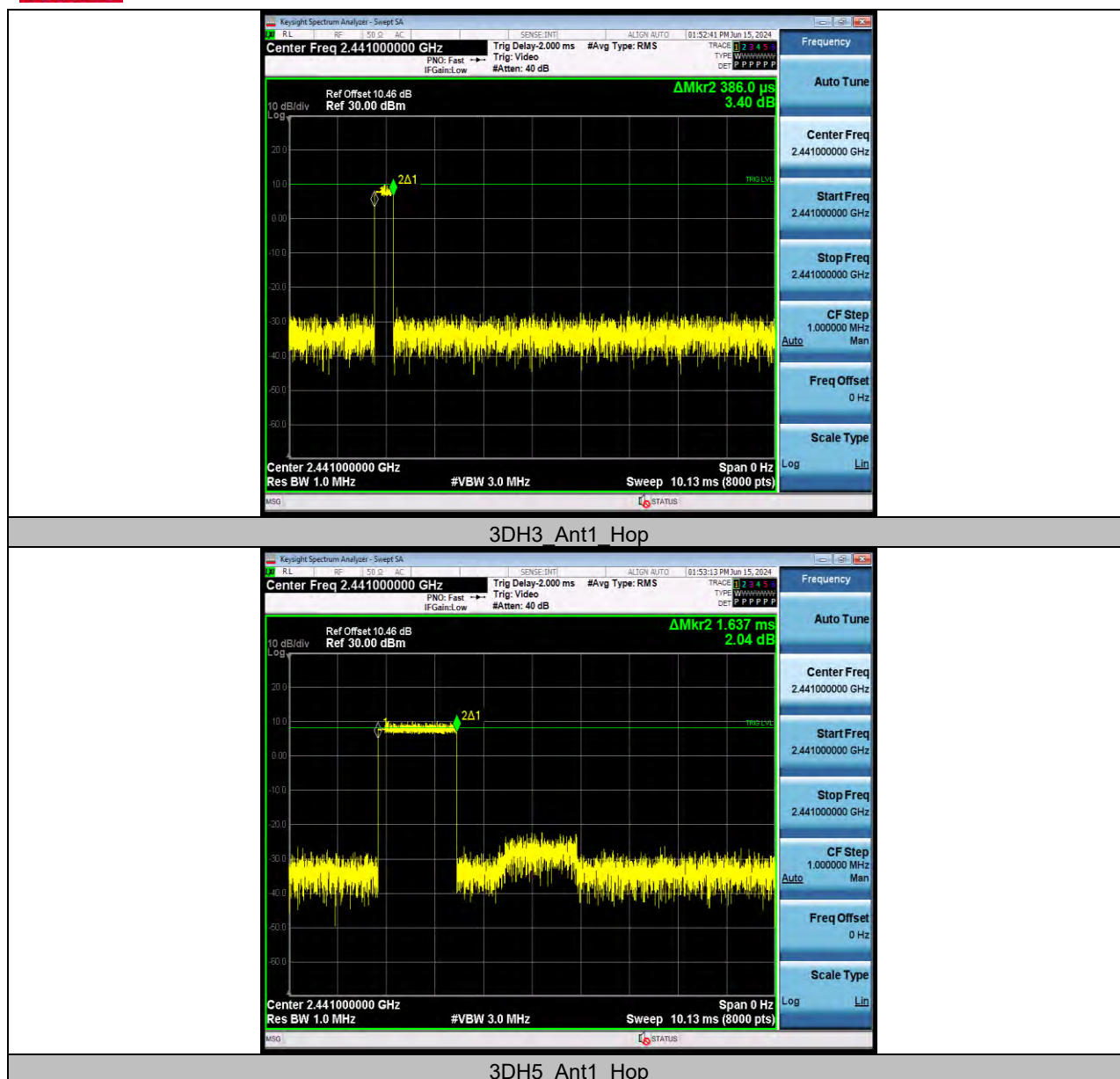




2DH5 Ant1 Hop



3DH1 Ant1 Hop





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Reference No.: W7L-P24050018RF01

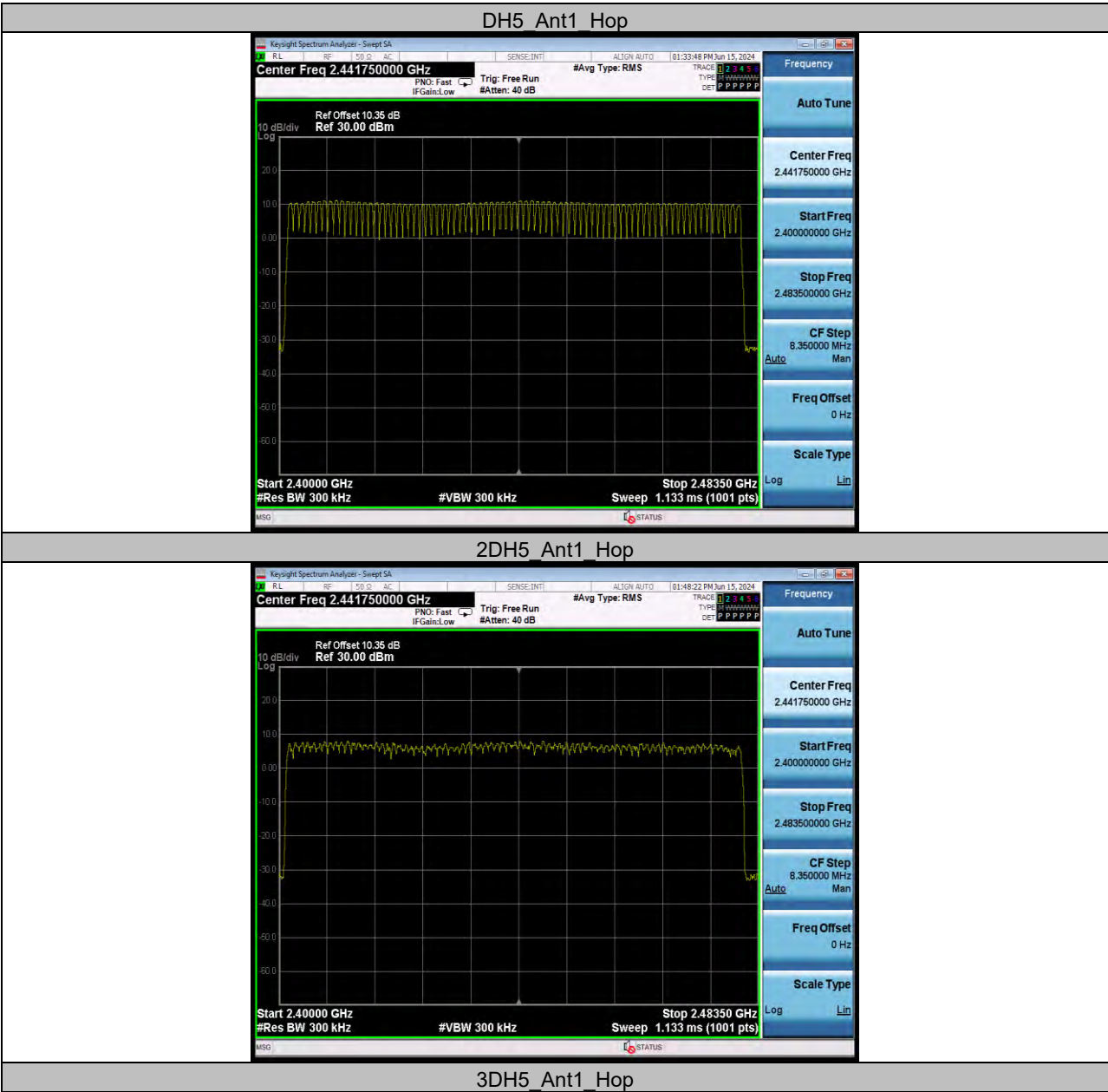
NUMBER OF HOPPING CHANNELS TEST RESULT

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



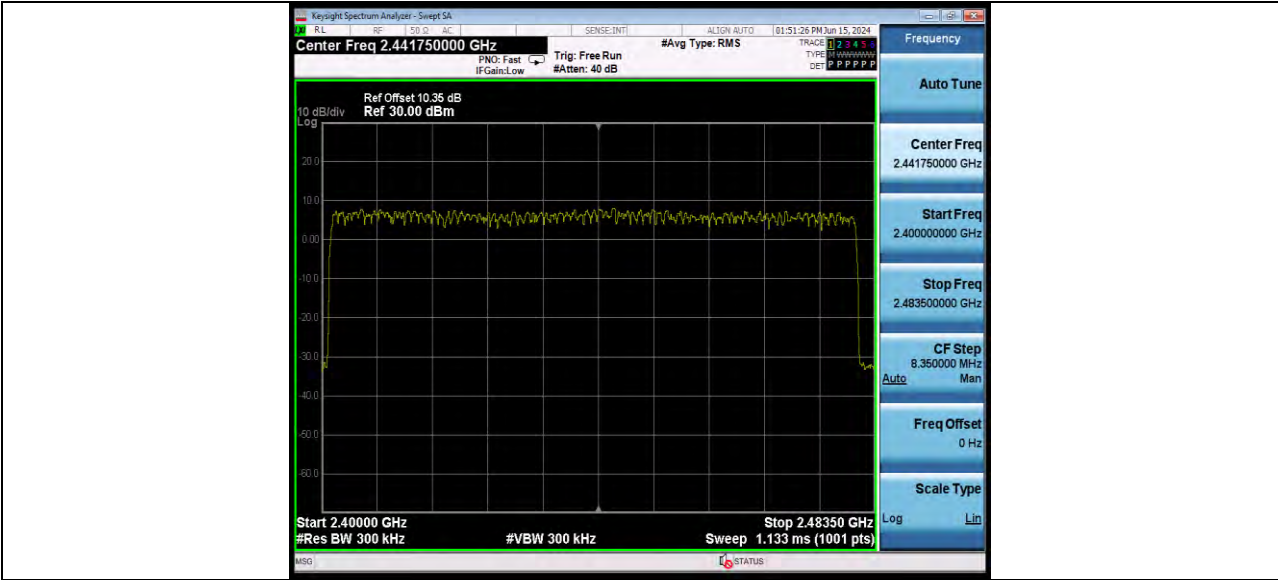
Reference No.: W7L-P24050018RF01

TEST GRAPHS





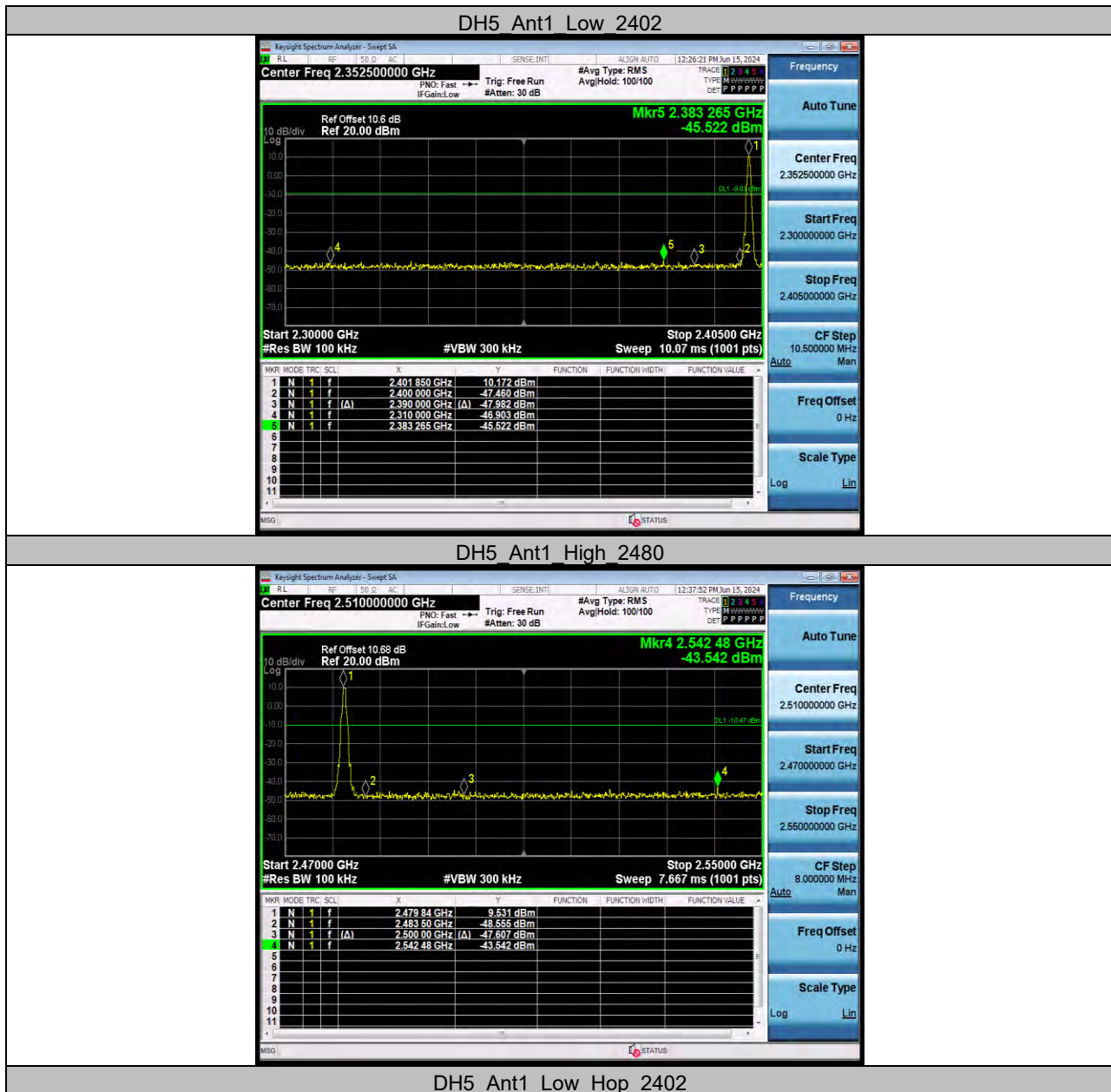
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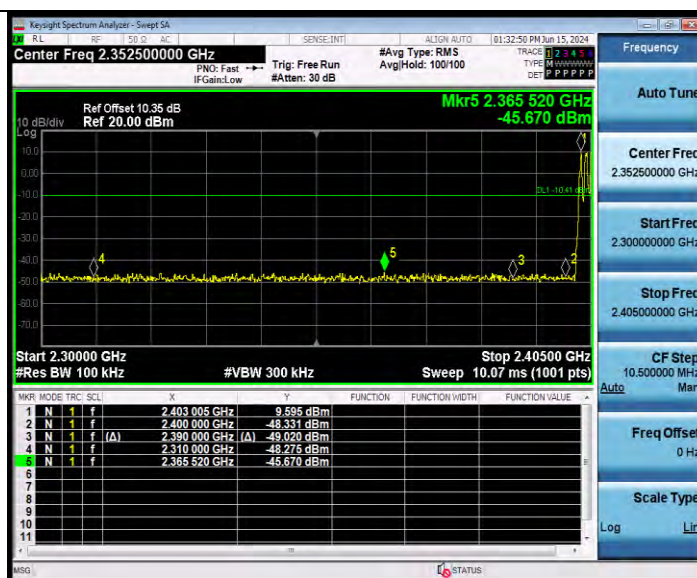


BAND EDGE MEASUREMENTS TEST RESULT

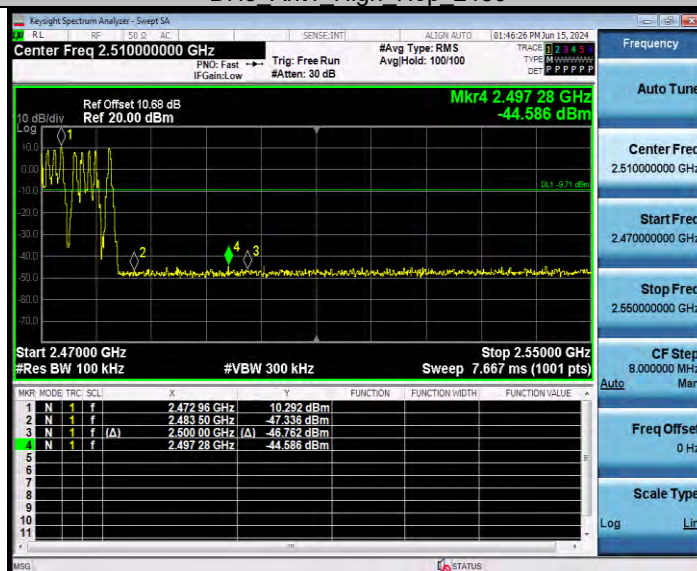
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	10.17	-45.52	≤-9.83	PASS
		High	2480	9.53	-43.54	≤-10.47	PASS
		Low	Hop_2402	9.60	-45.67	≤-10.41	PASS
		High	Hop_2480	10.29	-44.59	≤-9.71	PASS
2DH5	Ant1	Low	2402	7.04	-45.13	≤-12.96	PASS
		High	2480	6.78	-44.41	≤-13.23	PASS
		Low	Hop_2402	2.32	-44.99	≤-17.68	PASS
		High	Hop_2480	4.57	-45	≤-15.44	PASS
3DH5	Ant1	Low	2402	6.92	-45.38	≤-13.08	PASS
		High	2480	6.32	-45.15	≤-13.68	PASS
		Low	Hop_2402	0.26	-45.65	≤-19.74	PASS
		High	Hop_2480	4.77	-43.79	≤-15.23	PASS

TEST GRAPHS

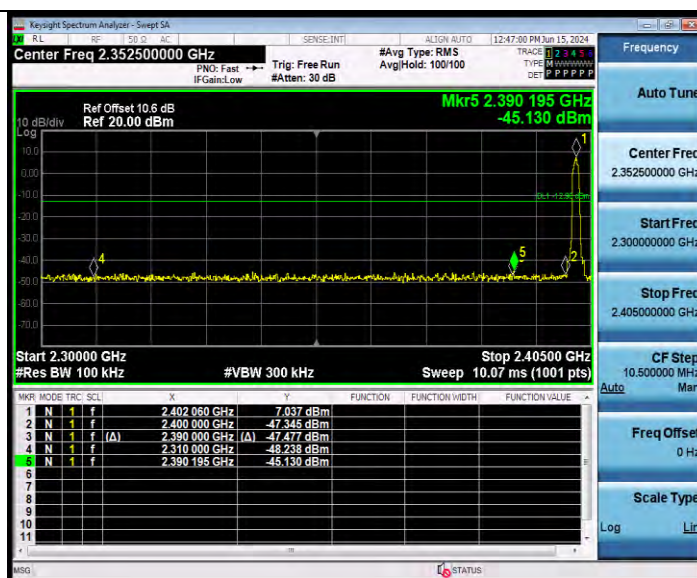




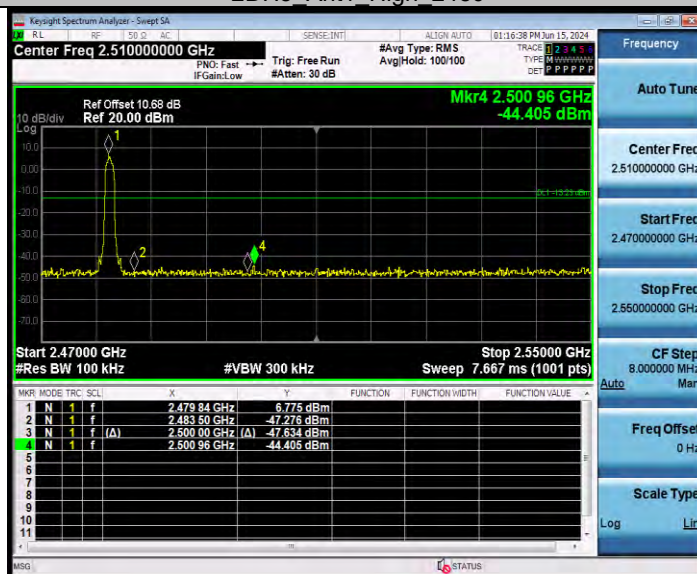
DH5 Ant1 High Hop 2480



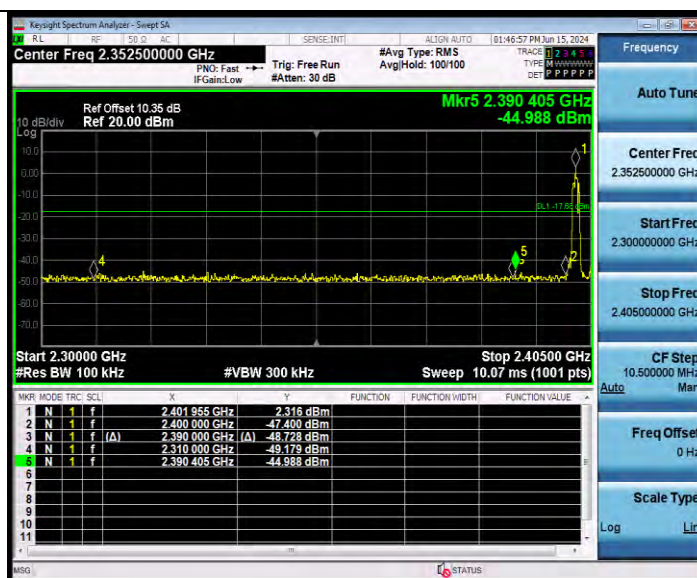
2DH5 Ant1 Low 2402



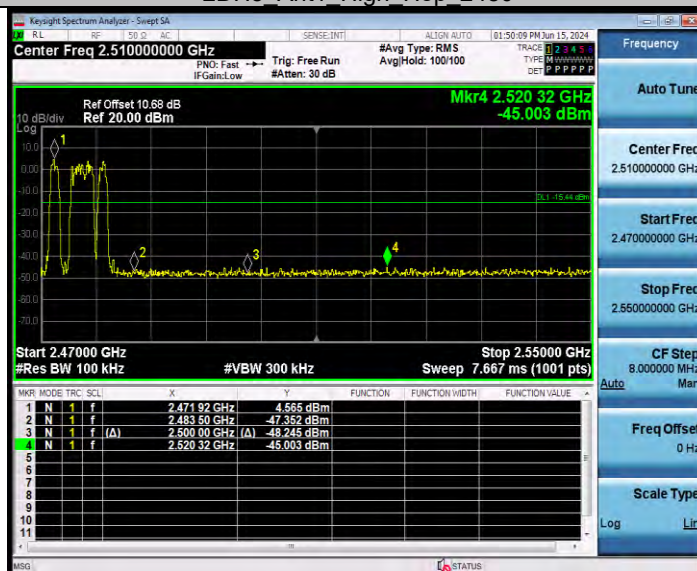
2DH5 Ant1 High 2480



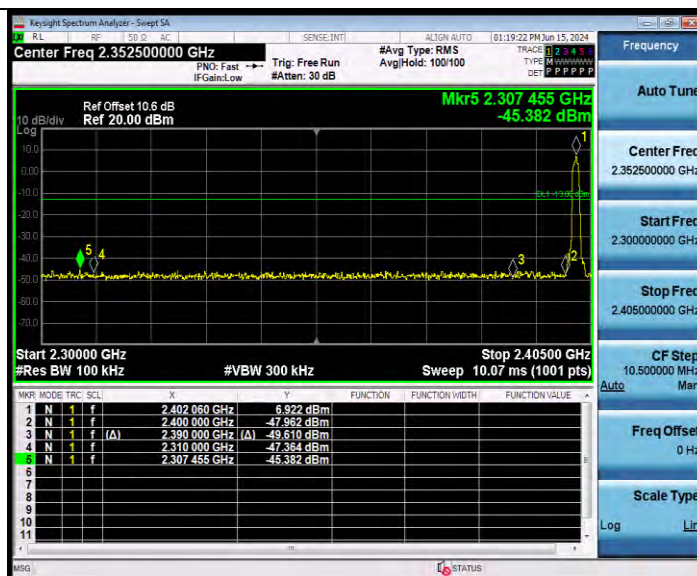
2DH5 Ant1 Low Hop 2402



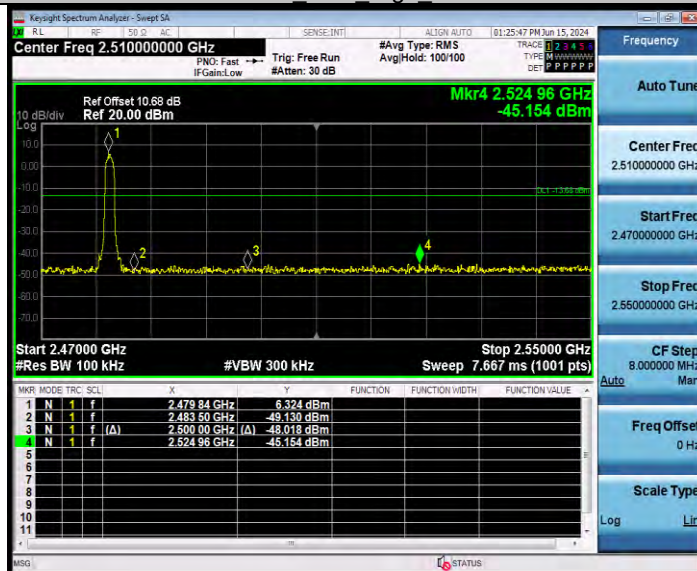
2DH5 Ant1 High Hop 2480



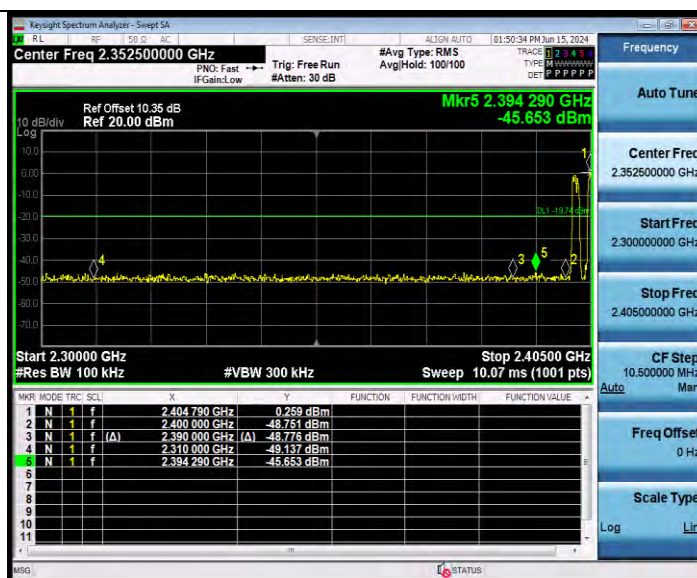
3DH5 Ant1 Low 2402



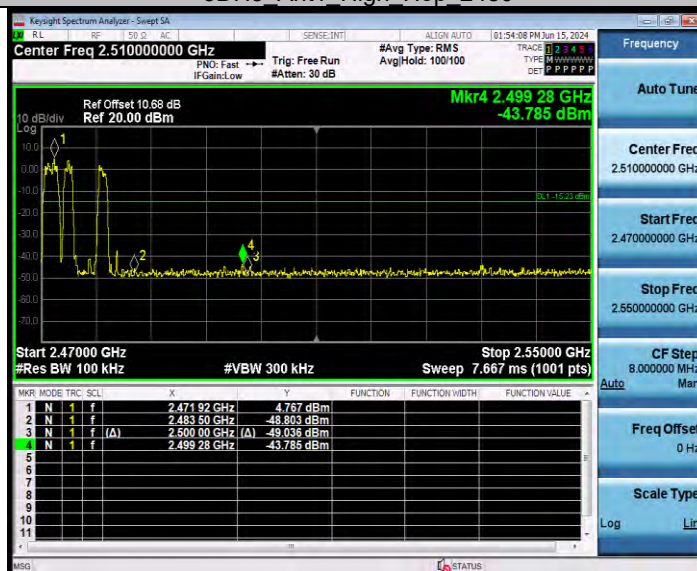
3DH5 Ant1 High 2480



3DH5 Ant1 Low Hop 2402



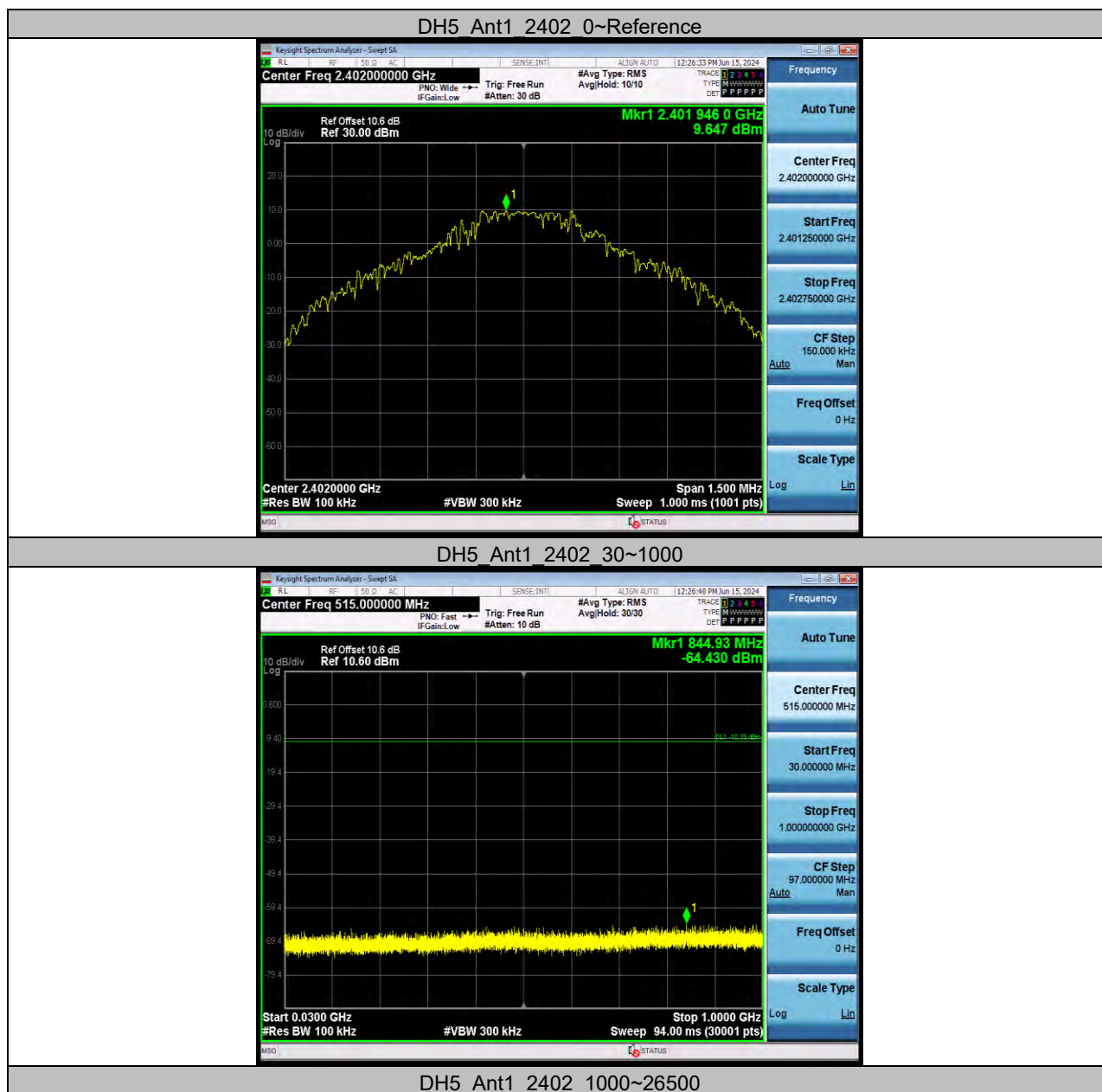
3DH5 Ant1 High Hop 2480



CONDUCTED SPURIOUS EMISSION TEST RESULT

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	9.65	9.65	---	PASS
			30~1000	9.65	-64.43	≤ -10.35	PASS
			1000~26500	9.65	-45.02	≤ -10.35	PASS
		2441	Reference	9.70	9.70	---	PASS
			30~1000	9.70	-63.88	≤ -10.3	PASS
			1000~26500	9.70	-44.56	≤ -10.3	PASS
		2480	Reference	9.14	9.14	---	PASS
			30~1000	9.14	-63.8	≤ -10.86	PASS
			1000~26500	9.14	-44.47	≤ -10.86	PASS
2DH5	Ant1	2402	Reference	7.35	7.35	---	PASS
			30~1000	7.35	-63.77	≤ -12.65	PASS
			1000~26500	7.35	-45.18	≤ -12.65	PASS
		2441	Reference	6.67	6.67	---	PASS
			30~1000	6.67	-64.83	≤ -13.33	PASS
			1000~26500	6.67	-45.09	≤ -13.33	PASS
		2480	Reference	3.87	3.87	---	PASS
			30~1000	3.87	-63.44	≤ -16.13	PASS
			1000~26500	3.87	-45.12	≤ -16.13	PASS
3DH5	Ant1	2402	Reference	5.45	5.45	---	PASS
			30~1000	5.45	-63.94	≤ -14.55	PASS
			1000~26500	5.45	-44.71	≤ -14.55	PASS
		2441	Reference	7.55	7.55	---	PASS
			30~1000	7.55	-64.21	≤ -12.45	PASS
			1000~26500	7.55	-45.28	≤ -12.45	PASS
		2480	Reference	6.75	6.75	---	PASS
			30~1000	6.75	-64.33	≤ -13.25	PASS
			1000~26500	6.75	-44.12	≤ -13.25	PASS

TEST GRAPHS





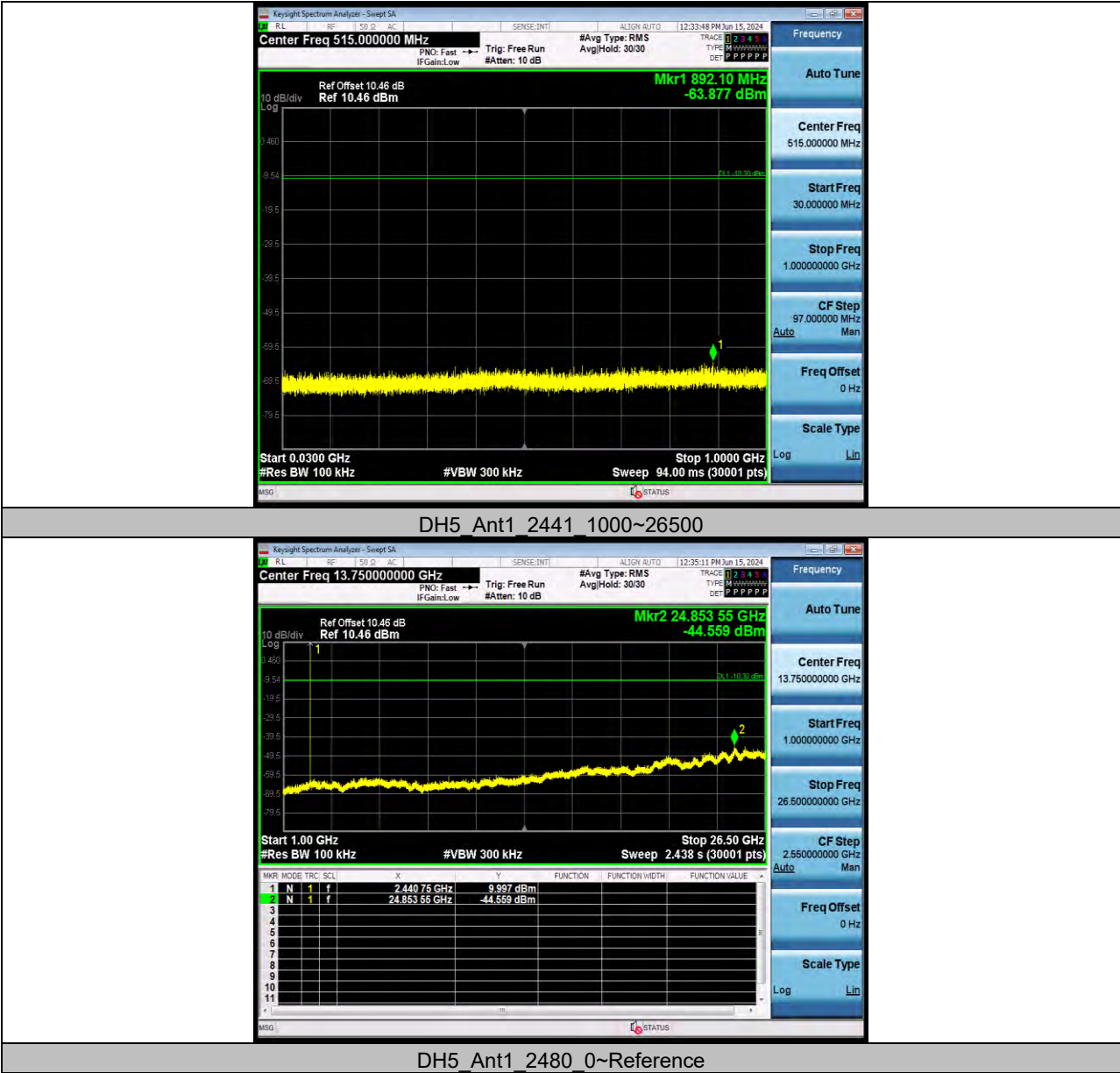
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



Reference No.: W7L-P24050018RF01



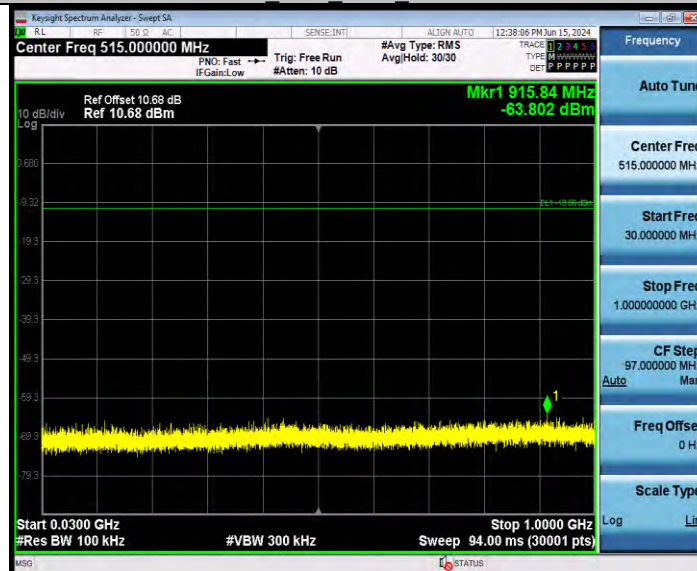


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Reference No.: W7L-P24050018RF01



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



Reference No.: W7L-P24050018RF01



2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000

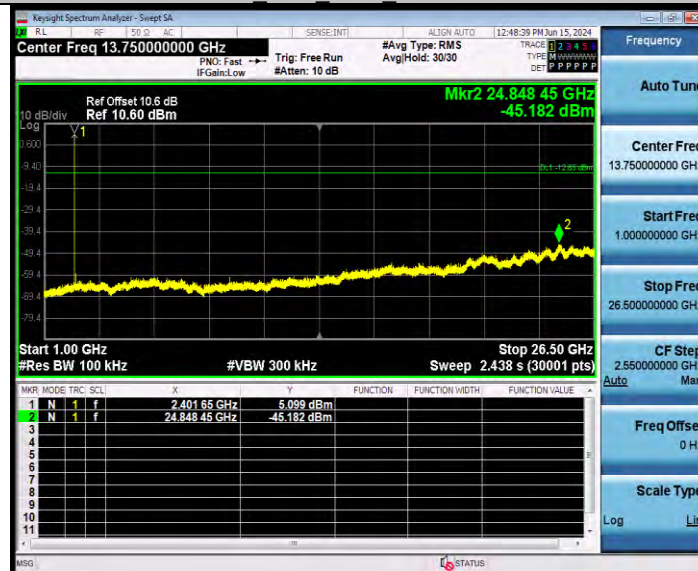


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Reference No.: W7L-P24050018RF01



2DH5 Ant1 2402 1000~26500



2DH5 Ant1 2441 0~Reference

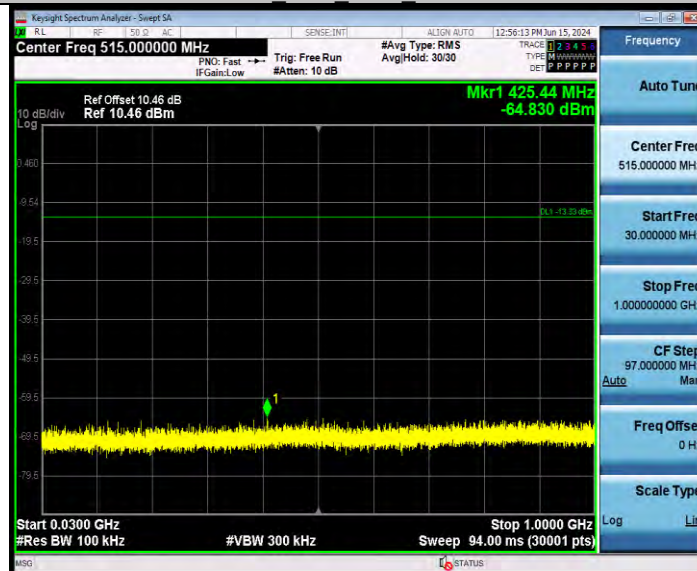


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Reference No.: W7L-P24050018RF01



2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



Reference No.: W7L-P24050018RF01



2DH5_Ant1_2480_0~Reference

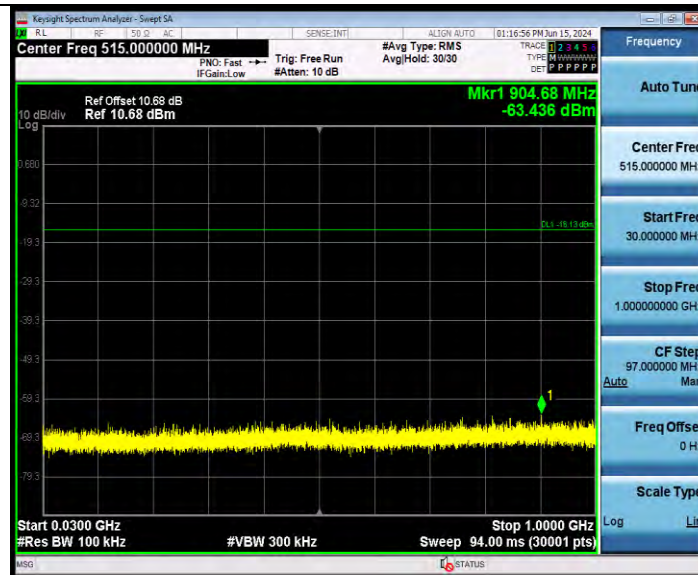


2DH5_Ant1_2480_30~1000

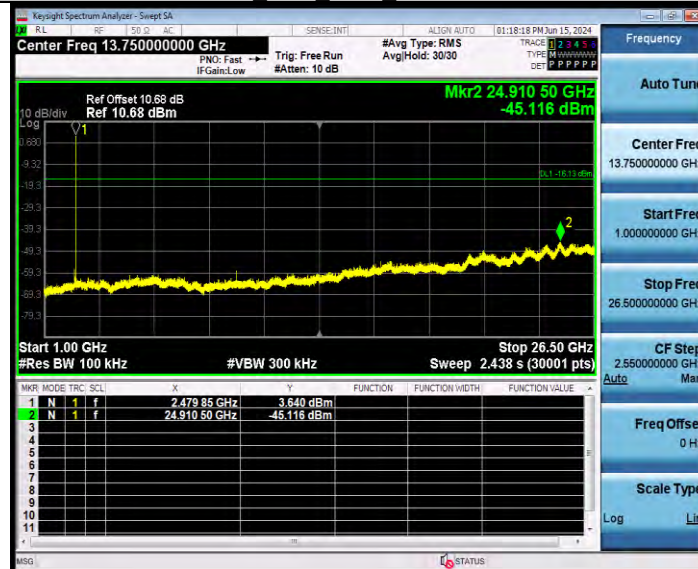


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VERITAS

Reference No.: W7L-P24050018RF01



2DH5 Ant1 2480 1000~26500



3DH5 Ant1 2402 0~Reference

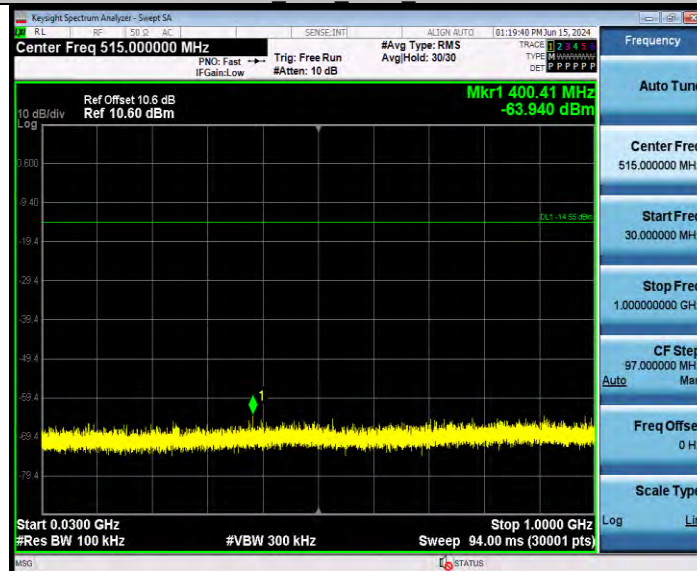


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Reference No.: W7L-P24050018RF01



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500



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Reference No.: W7L-P24050018RF01



3DH5 Ant1 2441 0~Reference



3DH5 Ant1 2441 30~1000



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VERITAS

Reference No.: W7L-P24050018RF01



3DH5 Ant1 2441 1000~26500



3DH5 Ant1 2480 0~Reference

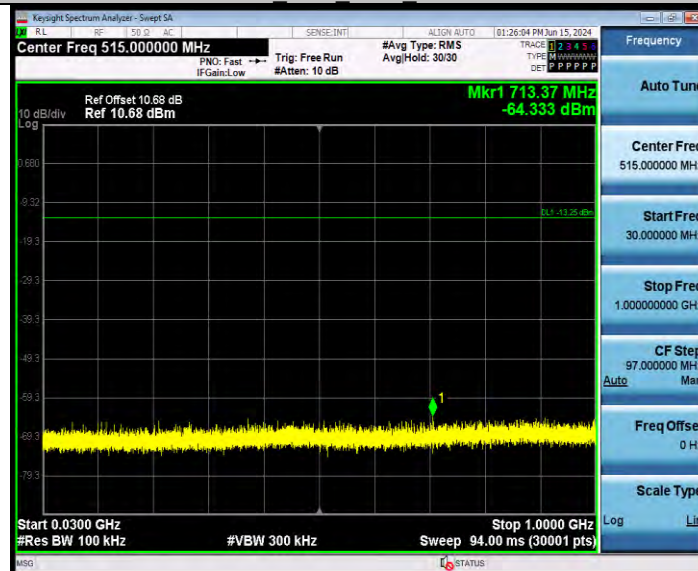


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Reference No.: W7L-P24050018RF01



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



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Reference No.: W7L-P24050018RF01



DUTY CYCLE TEST RESULT

TestMode	Antenna	Frequency[M Hz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
		2441	2.89	3.75	77.07	1.13
		2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
		2441	2.88	3.75	76.80	1.15
		2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
		2441	2.89	3.75	77.07	1.13
		2480	2.89	3.75	77.07	1.13

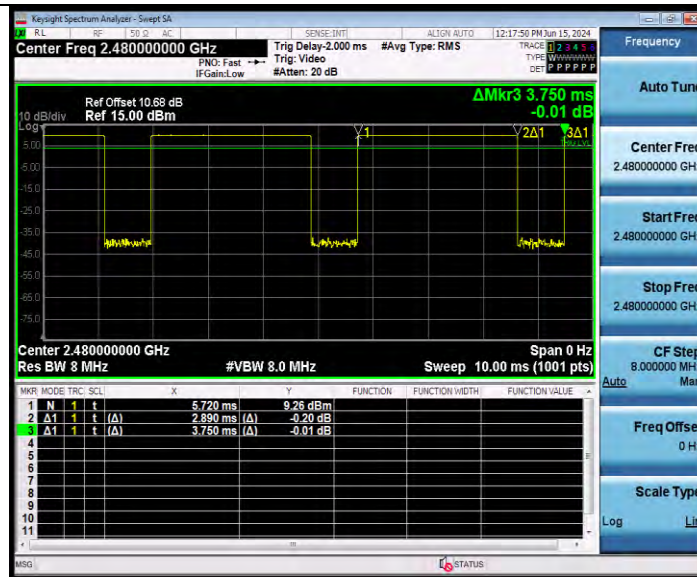
TEST GRAPHS



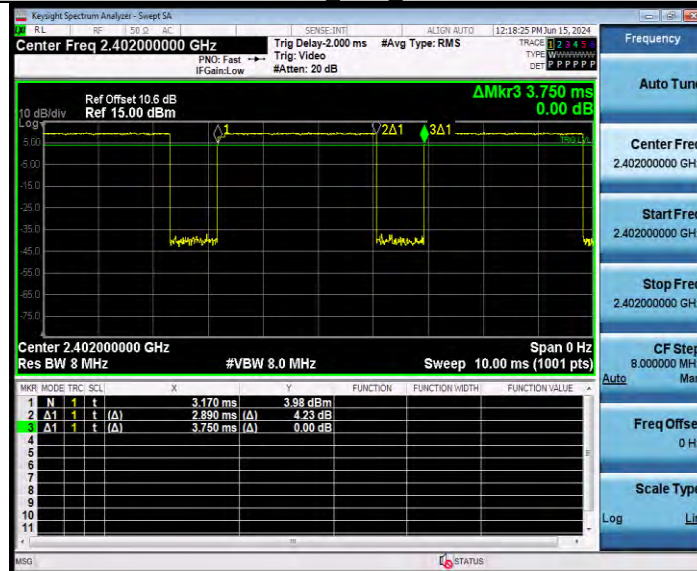


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VERITAS

Reference No.: W7L-P24050018RF01



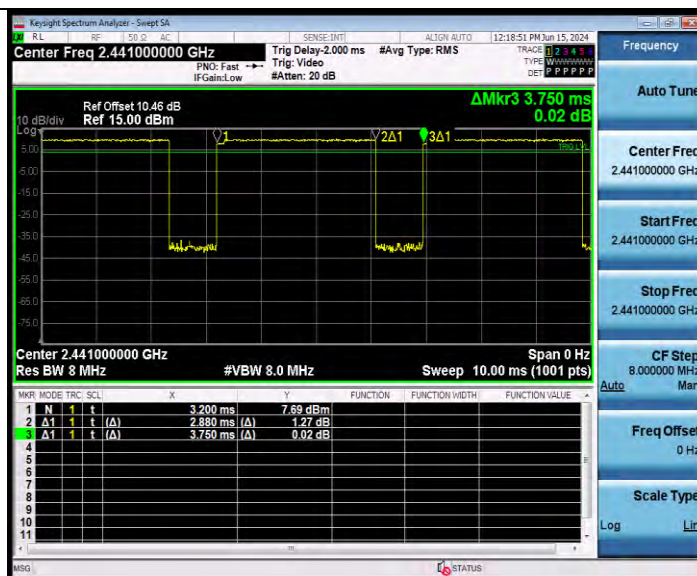
2DH5_Ant1_2402



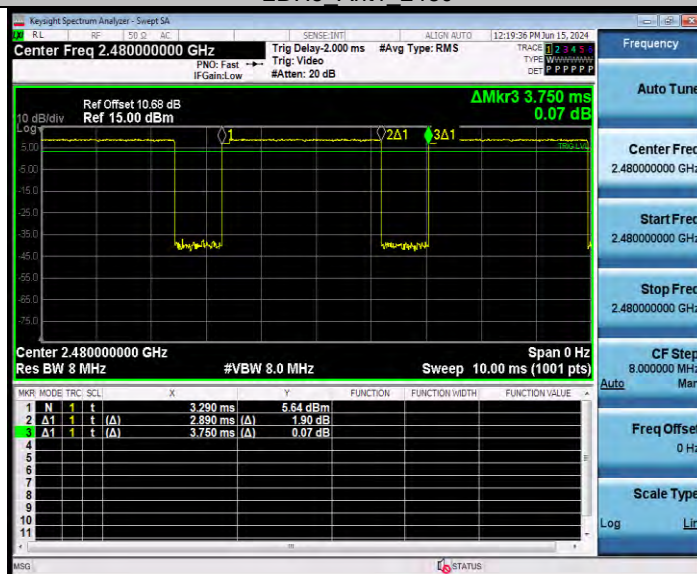
2DH5_Ant1_2441



Reference No.: W7L-P24050018RF01



2DH5_Ant1_2480



3DH5_Ant1_2402

