

APPENDIX A: BT

20DB EMISSION BANDWIDTH TEST RESULT

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant6	2402	0.927	2401.538	2402.465	---	---
		2441	0.951	2440.529	2441.480	---	---
		2480	0.900	2479.538	2480.438	---	---
2DH5	Ant6	2402	1.314	2401.334	2402.648	---	---
		2441	1.320	2440.328	2441.648	---	---
		2480	1.347	2479.316	2480.663	---	---
3DH5	Ant6	2402	1.302	2401.340	2402.642	---	---
		2441	1.296	2440.352	2441.648	---	---
		2480	1.302	2479.340	2480.642	---	---

TEST GRAPHS





2DH5_Ant6_2402



2DH5_Ant6_2441



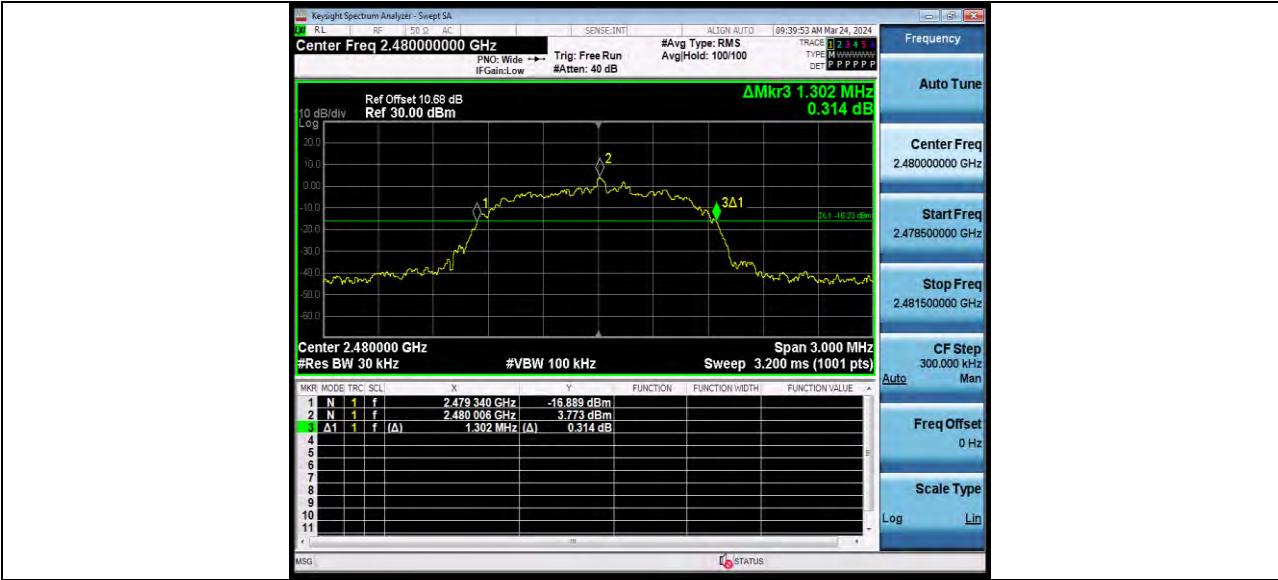
3DH5_Ant6_2441



3DH5_Ant6_2480



Reference No.: W7L-231218W001RF01



OCCUPIED CHANNEL BANDWIDTH TEST RESULT

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant6	2402	0.83307	2401.5737	2402.4068	---	---
		2441	0.83699	2440.5692	2441.4061	---	---
		2480	0.82837	2479.5757	2480.4041	---	---
2DH5	Ant6	2402	1.1866	2401.3974	2402.5840	---	---
		2441	1.1990	2440.3932	2441.5922	---	---
		2480	1.1819	2479.3992	2480.5811	---	---
3DH5	Ant6	2402	1.1969	2401.3906	2402.5875	---	---
		2441	1.1860	2440.3960	2441.5820	---	---
		2480	1.1868	2479.4010	2480.5878	---	---

TEST GRAPHS





2DH5_Ant6_2402



2DH5_Ant6_2441



2DH5_Ant6_2480



3DH5_Ant6_2402



3DH5_Ant6_2441



3DH5_Ant6_2480



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Reference No.: W7L-231218W001RF01





Reference No.: W7L-231218W001RF01

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	Ant6	2402	7.75	8.06	6.40	≤20.97	9.3	8.51	≤36.00	PASS	Default
		2441	8.5	8.61	7.26	≤20.97	9.85	9.66	≤36.00	PASS	Default
		2480	7.95	8.12	6.49	≤20.97	9.36	8.63	≤36.00	PASS	Default
2DH5	Ant6	2402	5.48	8.03	6.35	≤20.97	9.27	8.45	≤36.00	PASS	Default
		2441	6.19	8.73	7.46	≤20.97	9.97	9.93	≤36.00	PASS	Default
		2480	5.55	8.05	6.38	≤20.97	9.29	8.49	≤36.00	PASS	Default
3DH5	Ant6	2402	5.58	8.62	7.28	≤20.97	9.86	9.68	≤36.00	PASS	Default
		2441	6.2	9.19	8.30	≤20.97	10.43	11.04	≤36.00	PASS	Default
		2480	5.59	8.49	7.06	≤20.97	9.73	9.40	≤36.00	PASS	Default
Note:EIRP=Peak Power+Gain											



Reference No.: W7L-231218W001RF01

CARRIER FREQUENCY SEPARATION TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant6	Hop	1.306	≥ 0.951	PASS
2DH5	Ant6	Hop	0.99	≥ 0.898	PASS
3DH5	Ant6	Hop	0.982	≥ 0.868	PASS

TEST GRAPHS





Reference No.: W7L-231218W001RF01





Reference No.: W7L-231218W001RF01

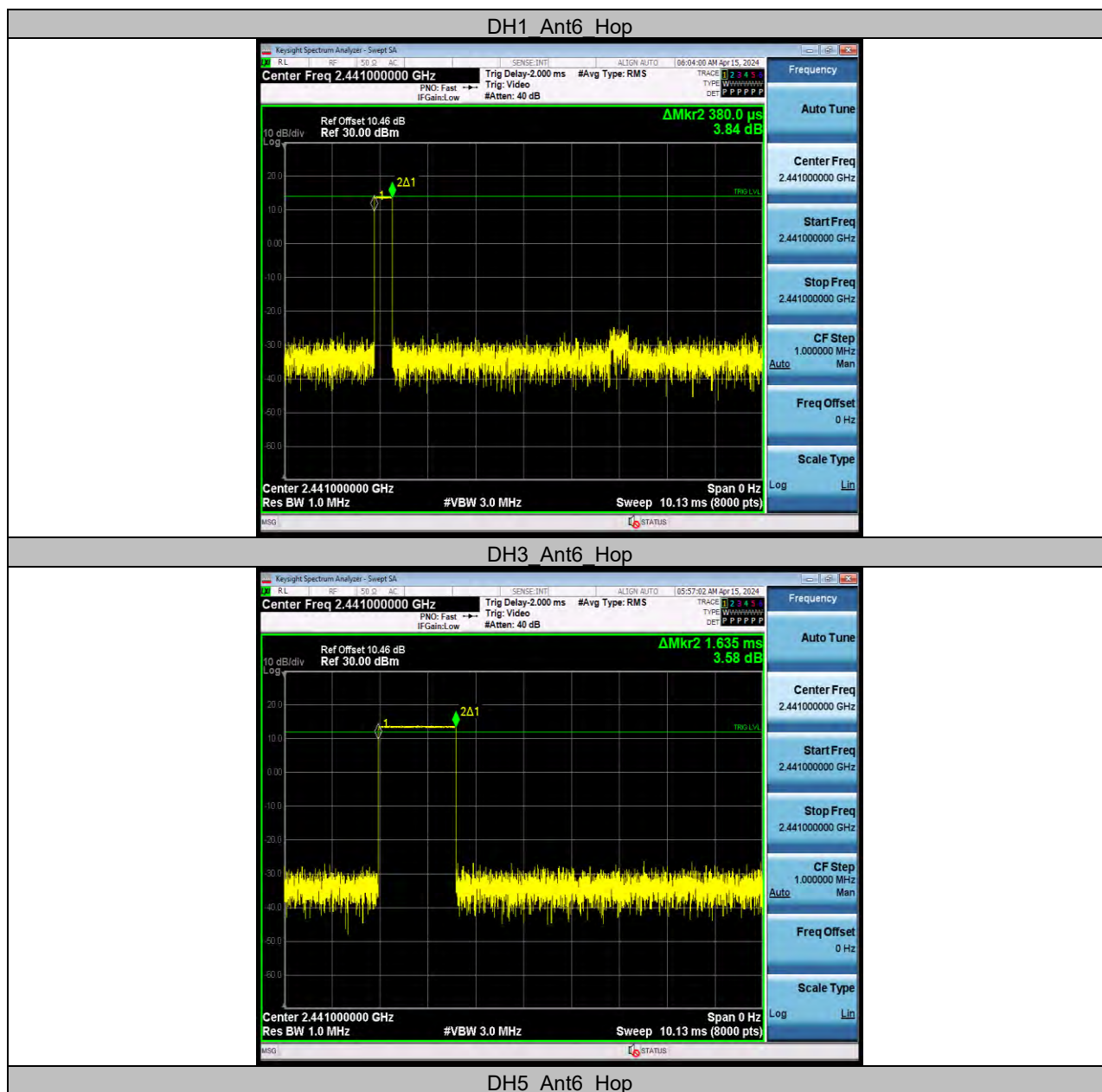
TIME OF OCCUPANCY TEST RESULT

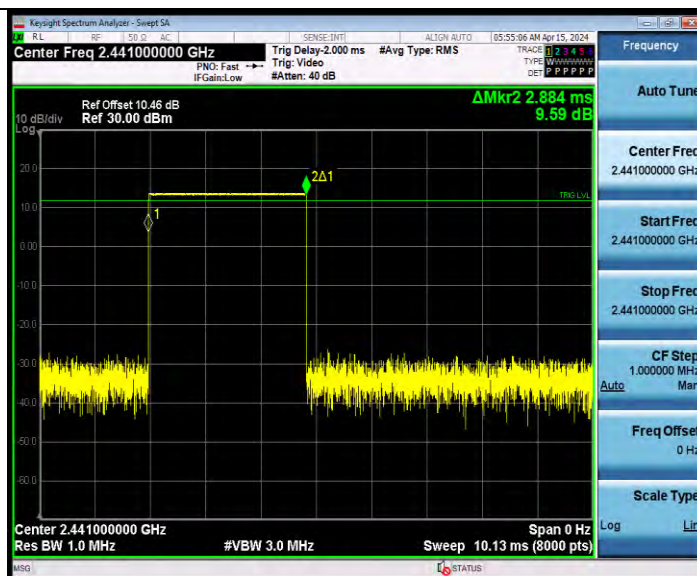
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant6	Hop	0.380	320	0.122	≤0.4	PASS
DH3	Ant6	Hop	1.635	160	0.262	≤0.4	PASS
DH5	Ant6	Hop	2.884	106.67	0.308	≤0.4	PASS
2DH1	Ant6	Hop	0.386	320	0.124	≤0.4	PASS
2DH3	Ant6	Hop	1.639	160	0.262	≤0.4	PASS
2DH5	Ant6	Hop	2.887	106.67	0.308	≤0.4	PASS
3DH1	Ant6	Hop	0.386	320	0.124	≤0.4	PASS
3DH3	Ant6	Hop	1.638	160	0.262	≤0.4	PASS
3DH5	Ant6	Hop	2.888	106.67	0.308	≤0.4	PASS

NOTE: TotalHops = $\lceil 1600 / (\text{Send and receive Number} * 79) \rceil * 0.4 * 79$;

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

TEST GRAPHS

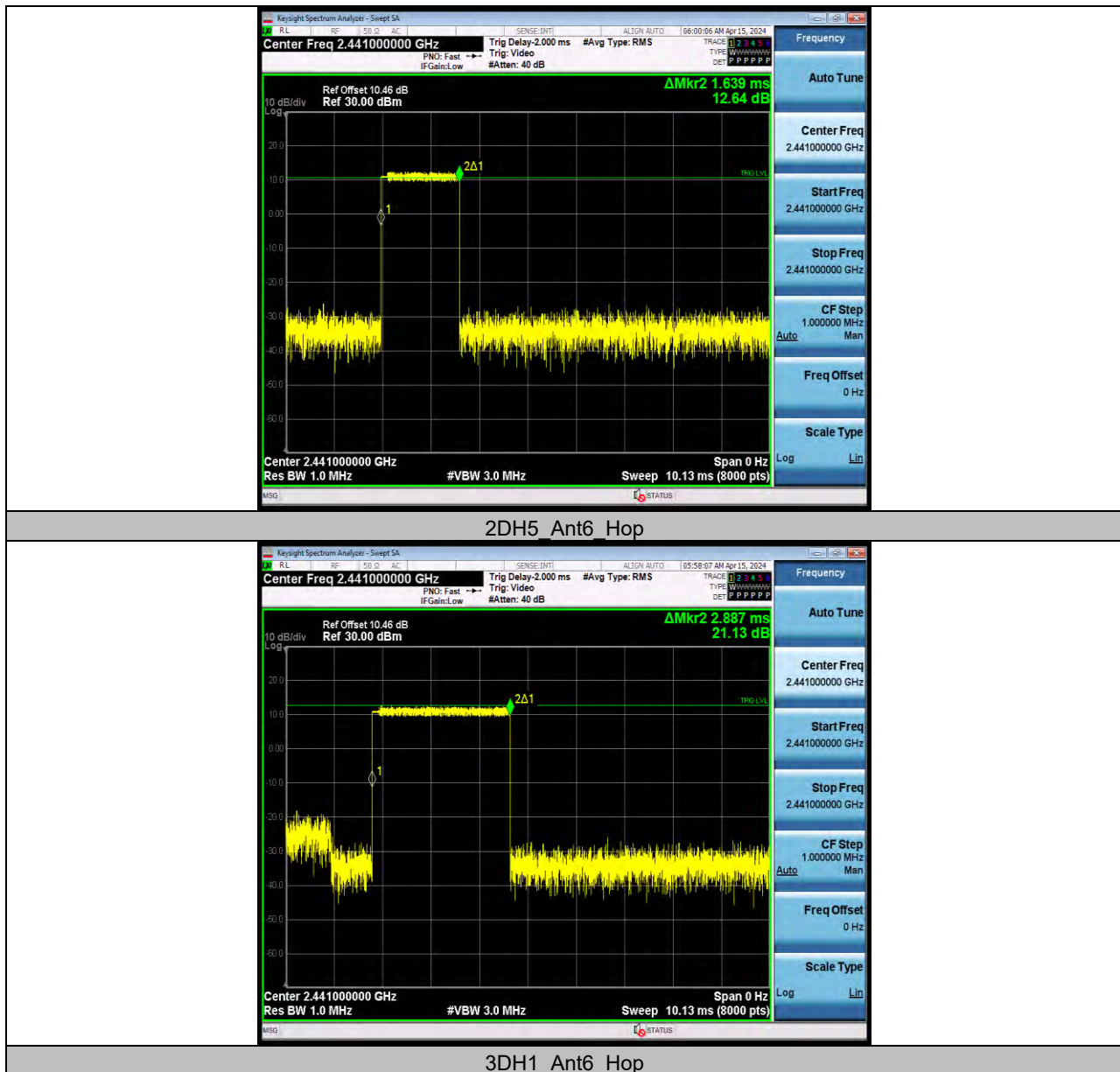


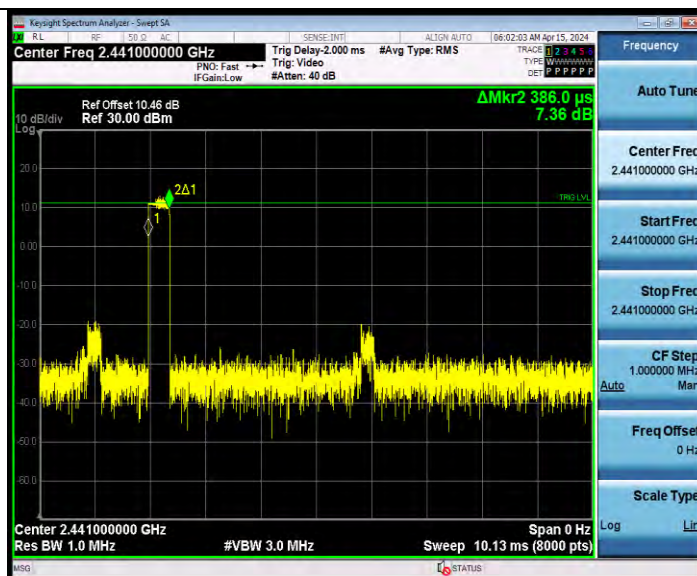


2DH1 Ant6 Hop

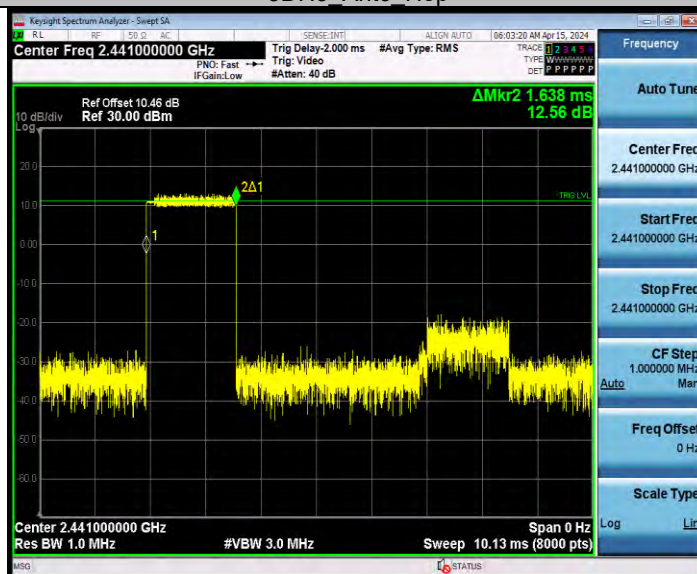


2DH3 Ant6 Hop





3DH3 Ant6 Hop



3DH5 Ant6 Hop



Reference No.: W7L-231218W001RF01





Reference No.: W7L-231218W001RF01

NUMBER OF HOPPING CHANNELS TEST RESULT

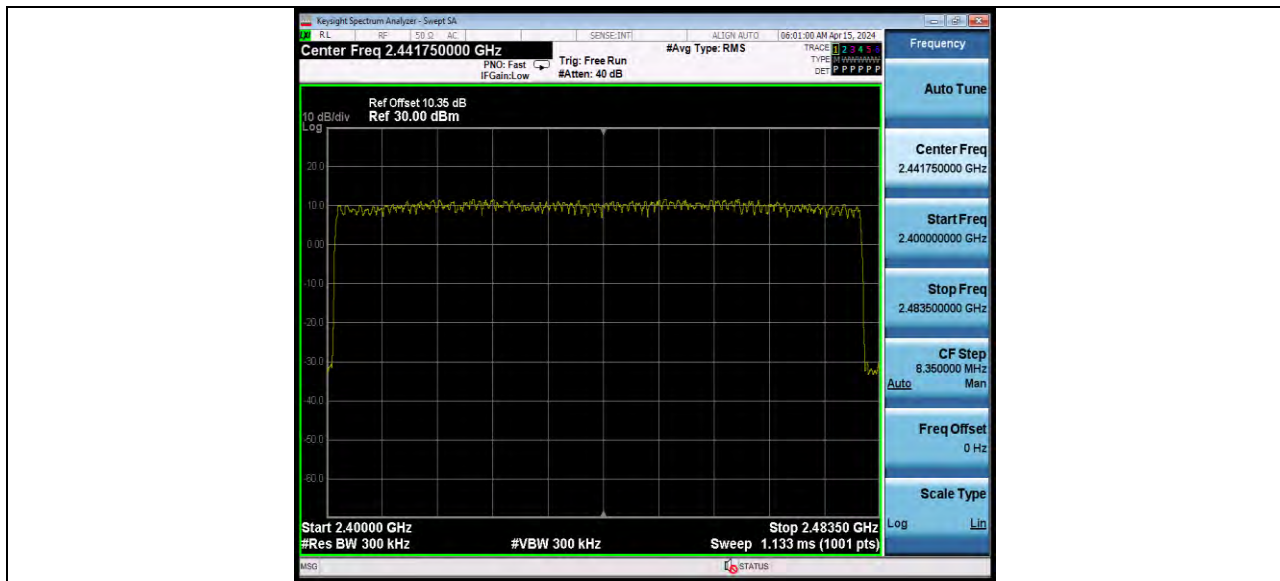
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant6	Hop	79	≥ 15	PASS
2DH5	Ant6	Hop	79	≥ 15	PASS
3DH5	Ant6	Hop	79	≥ 15	PASS

TEST GRAPHS





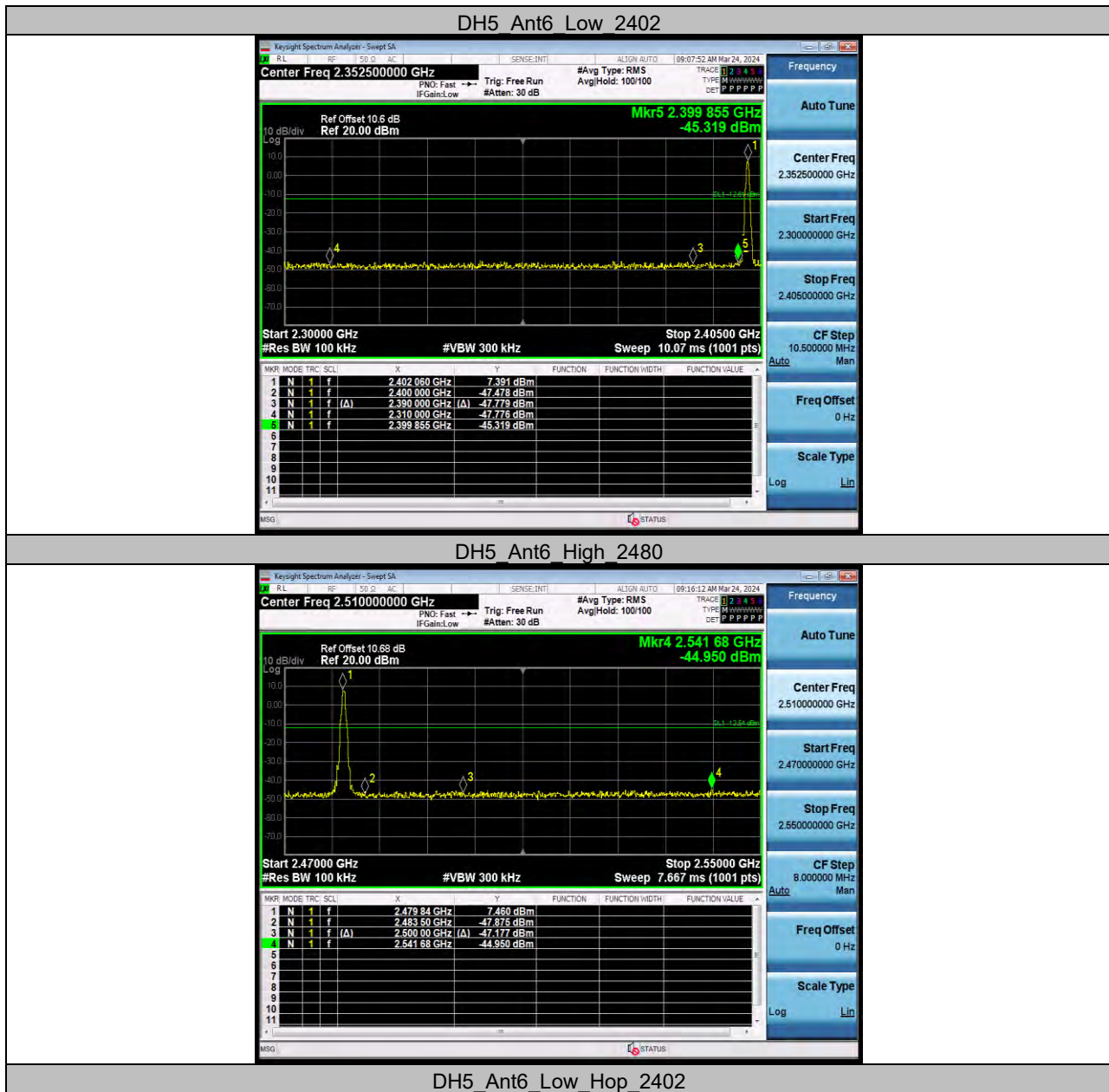
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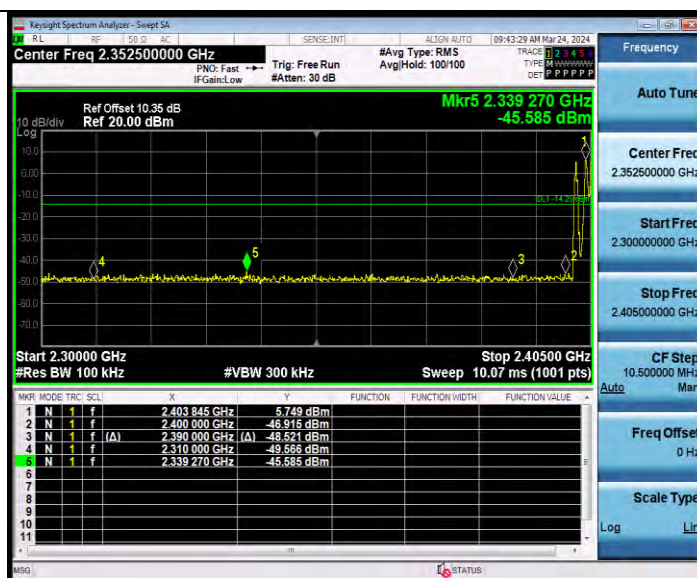


BAND EDGE MEASUREMENTS TEST RESULT

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant6	Low	2402	7.39	-45.32	≤-12.61	PASS
		High	2480	7.46	-44.95	≤-12.54	PASS
		Low	Hop_2402	5.75	-45.59	≤-14.25	PASS
		High	Hop_2480	7.56	-44.82	≤-12.44	PASS
2DH5	Ant6	Low	2402	5.33	-45.48	≤-14.67	PASS
		High	2480	3.45	-44.17	≤-16.55	PASS
		Low	Hop_2402	1.84	-45.38	≤-18.16	PASS
		High	Hop_2480	2.84	-42.98	≤-17.16	PASS
3DH5	Ant6	Low	2402	2.89	-44.69	≤-17.11	PASS
		High	2480	4.55	-44.18	≤-15.45	PASS
		Low	Hop_2402	2.07	-45.74	≤-17.93	PASS
		High	Hop_2480	3.93	-44.82	≤-16.07	PASS

TEST GRAPHS

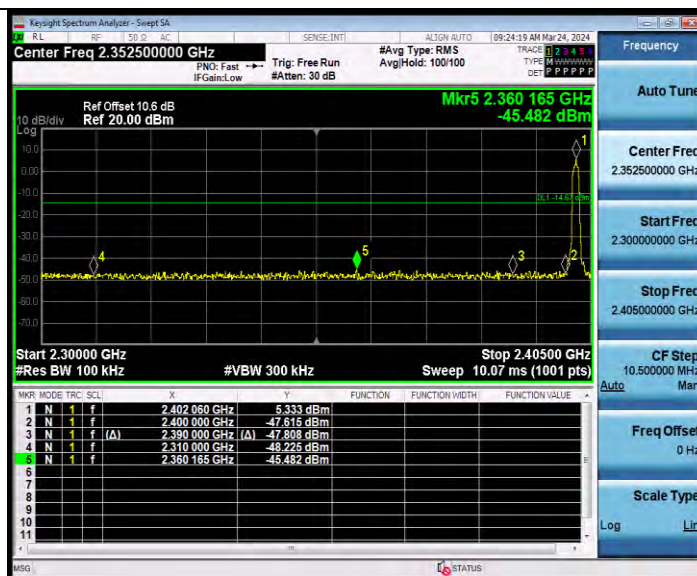




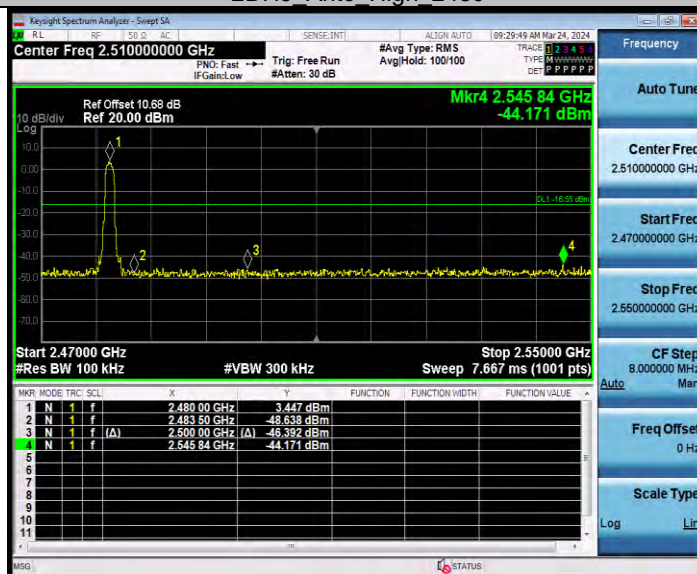
DH5 Ant6 High Hop 2480



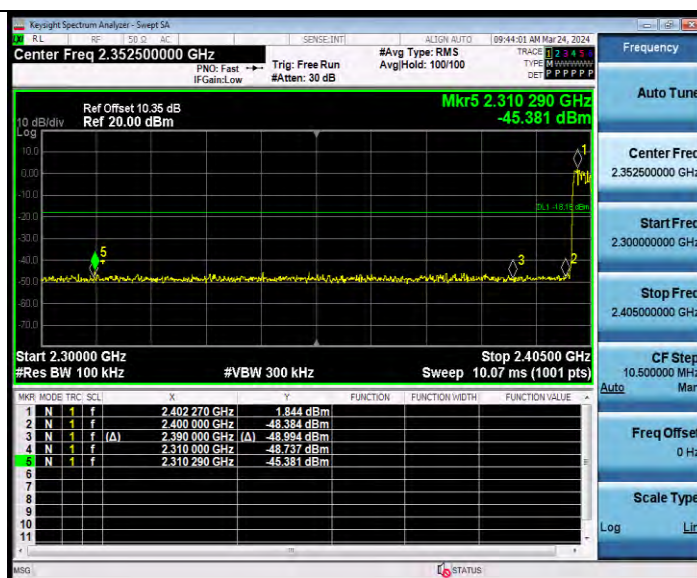
2DH5 Ant6 Low 2402



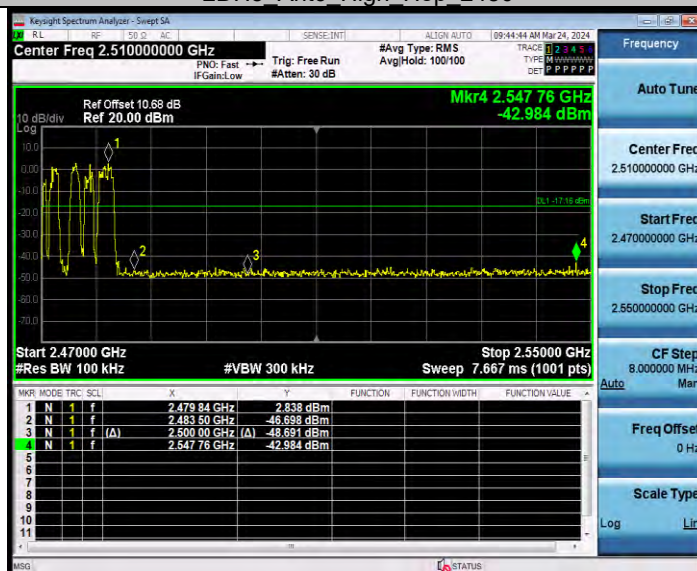
2DH5 Ant6 High 2480



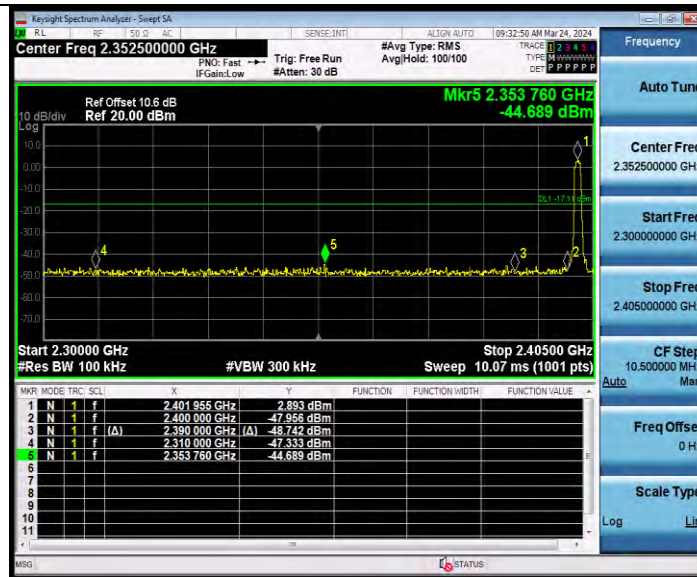
2DH5 Ant6 Low Hop 2402



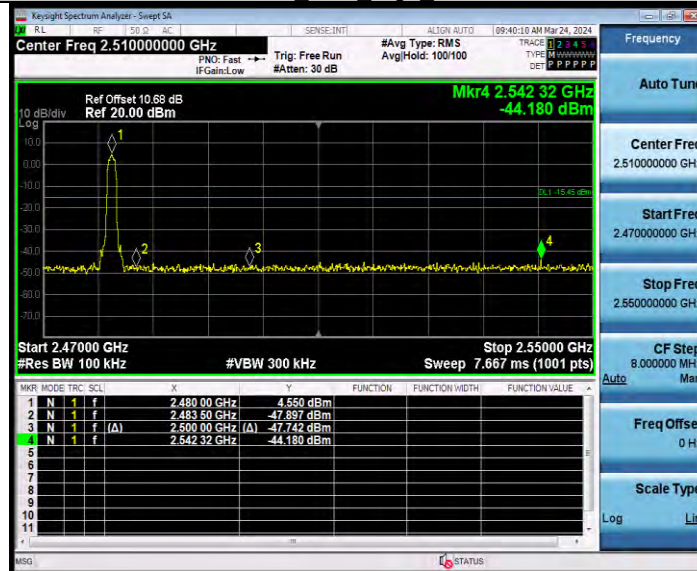
2DH5 Ant6 High Hop 2480



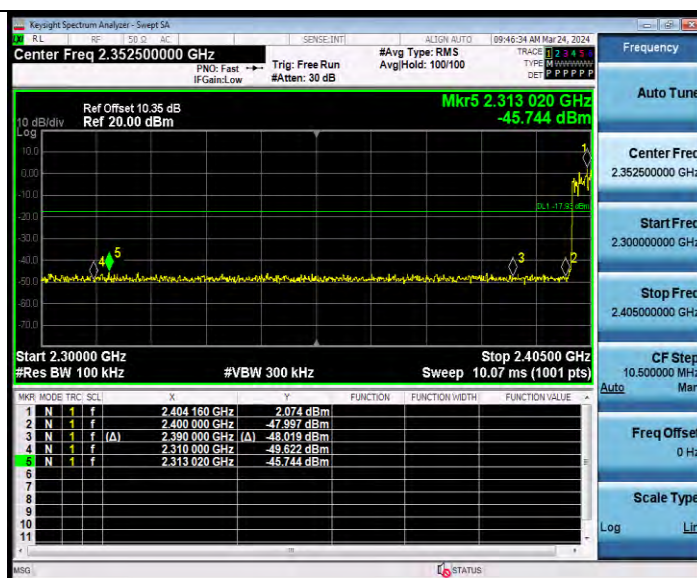
3DH5 Ant6 Low 2402



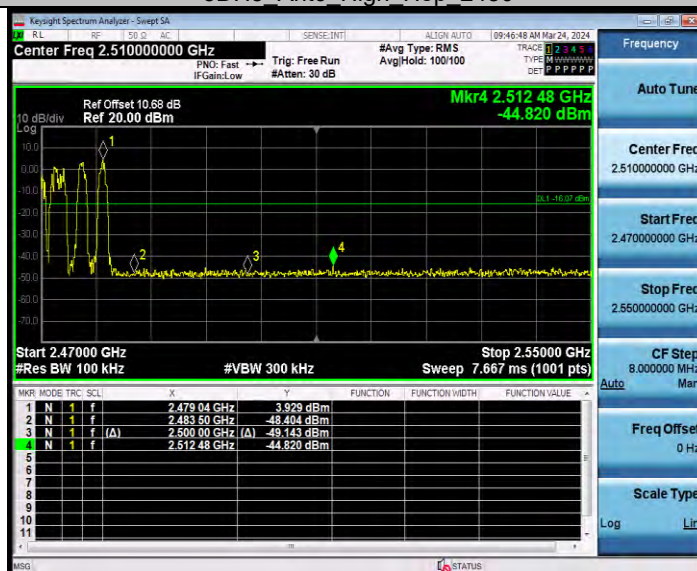
3DH5 Ant6 High 2480



3DH5 Ant6 Low Hop 2402



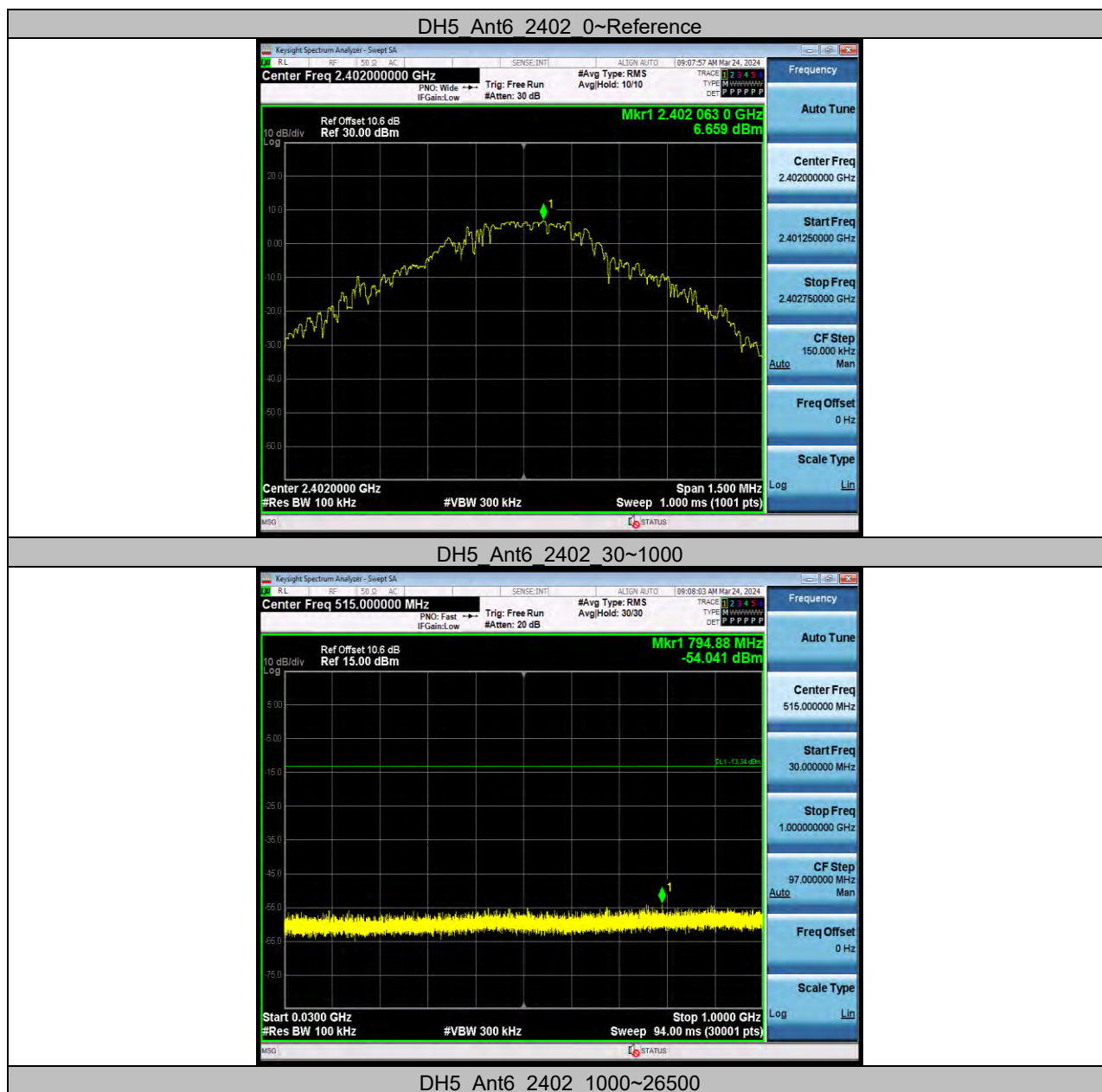
3DH5 Ant6 High Hop 2480



CONDUCTED SPURIOUS EMISSION TEST RESULT

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant6	2402	Reference	6.66	6.66	---	PASS
			30~1000	6.66	-54.04	≤-13.34	PASS
			1000~26500	6.66	-34.44	≤-13.34	PASS
		2441	Reference	7.01	7.01	---	PASS
			30~1000	7.01	-54.06	≤-12.99	PASS
			1000~26500	7.01	-35.23	≤-12.99	PASS
		2480	Reference	7.01	7.01	---	PASS
			30~1000	7.01	-54.37	≤-12.99	PASS
			1000~26500	7.01	-34.83	≤-12.99	PASS
2DH5	Ant6	2402	Reference	5.25	5.25	---	PASS
			30~1000	5.25	-53.81	≤-14.75	PASS
			1000~26500	5.25	-35.49	≤-14.75	PASS
		2441	Reference	4.32	4.32	---	PASS
			30~1000	4.32	-54.04	≤-15.68	PASS
			1000~26500	4.32	-35.14	≤-15.68	PASS
		2480	Reference	5.47	5.47	---	PASS
			30~1000	5.47	-54.39	≤-14.53	PASS
			1000~26500	5.47	-35.14	≤-14.53	PASS
3DH5	Ant6	2402	Reference	3.03	3.03	---	PASS
			30~1000	3.03	-54.09	≤-16.97	PASS
			1000~26500	3.03	-34.88	≤-16.97	PASS
		2441	Reference	4.31	4.31	---	PASS
			30~1000	4.31	-54.68	≤-15.69	PASS
			1000~26500	4.31	-35.33	≤-15.69	PASS
		2480	Reference	2.83	2.83	---	PASS
			30~1000	2.83	-53.1	≤-17.17	PASS
			1000~26500	2.83	-34.38	≤-17.17	PASS

TEST GRAPHS





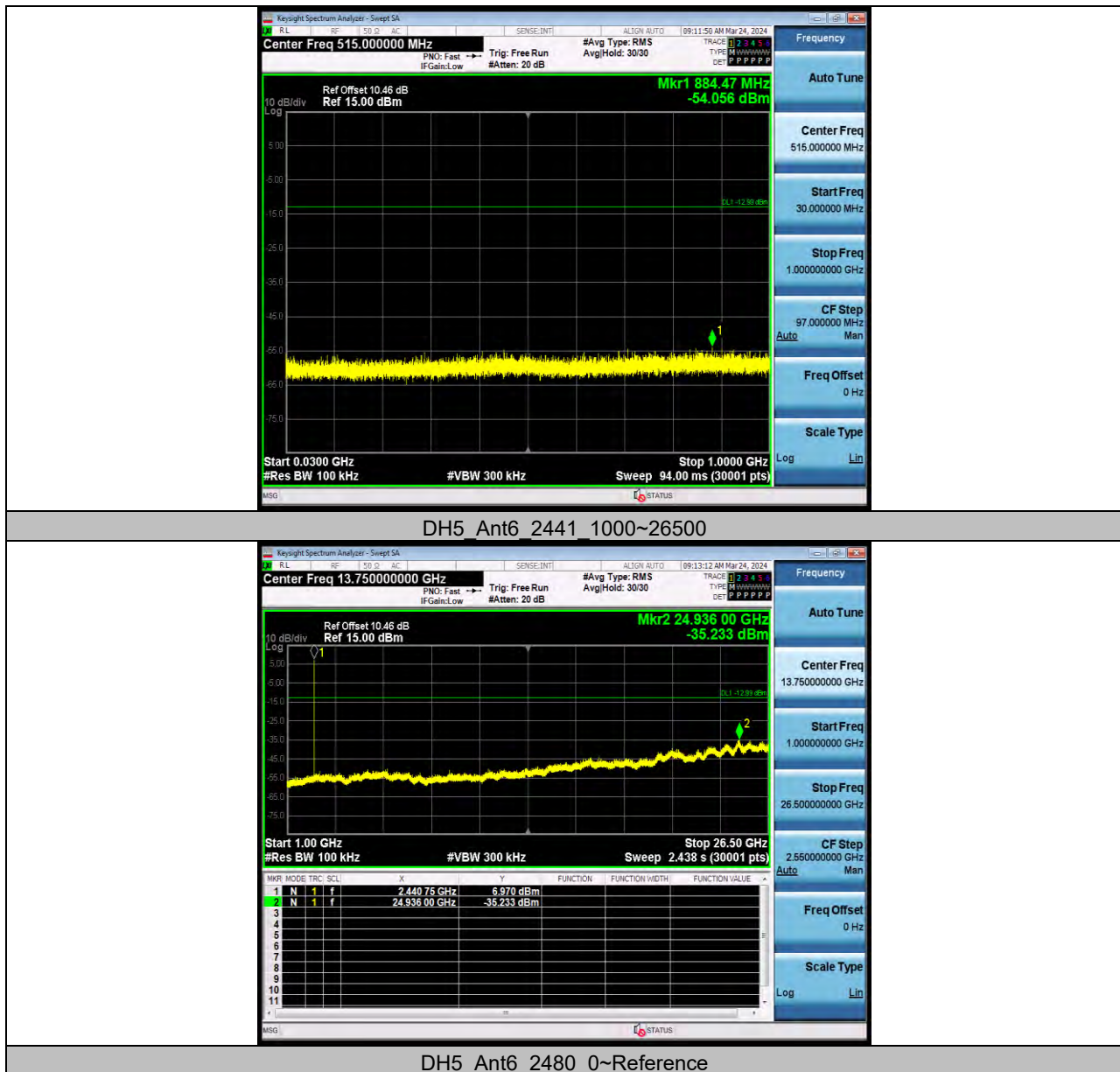
Reference No.: W7L-231218W001RF01



DH5_Ant6_2441_0~Reference



DH5_Ant6_2441_30~1000





DH5 Ant6 2480 30~1000

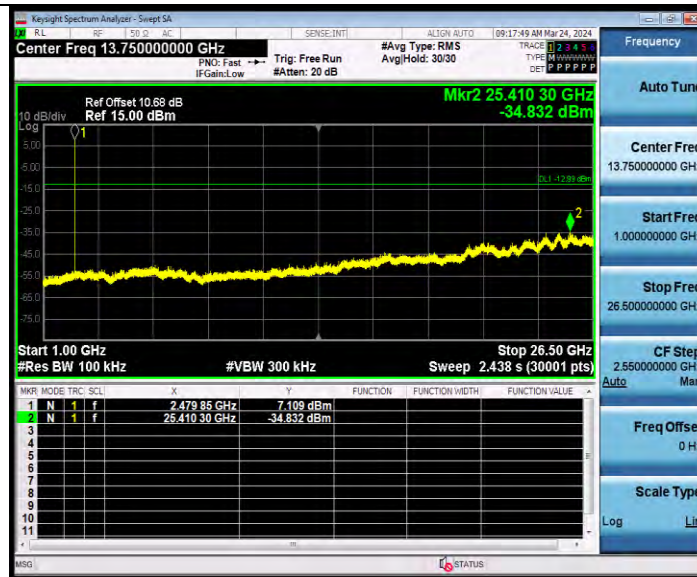


DH5 Ant6 2480 1000~26500



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Reference No.: W7L-231218W001RF01



2DH5_Ant6_2402_0~Reference



2DH5_Ant6_2402_30~1000

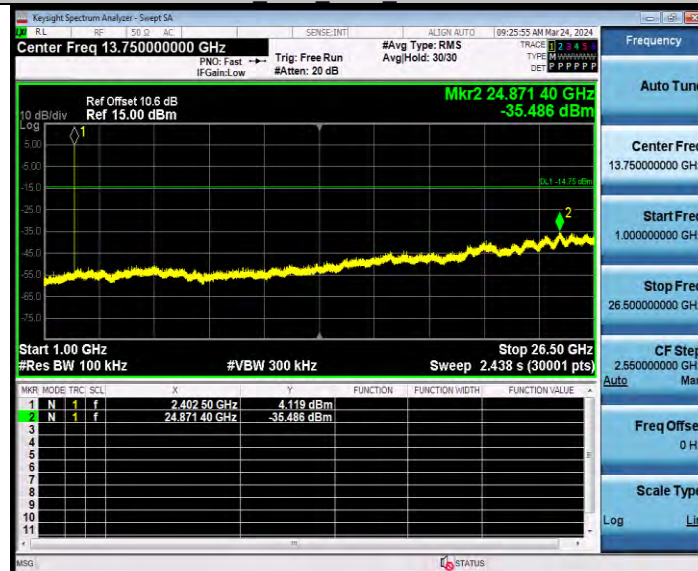


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Reference No.: W7L-231218W001RF01



2DH5 Ant6 2402 1000~26500



2DH5 Ant6 2441 0~Reference



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Reference No.: W7L-231218W001RF01



2DH5_Ant6_2441_30~1000

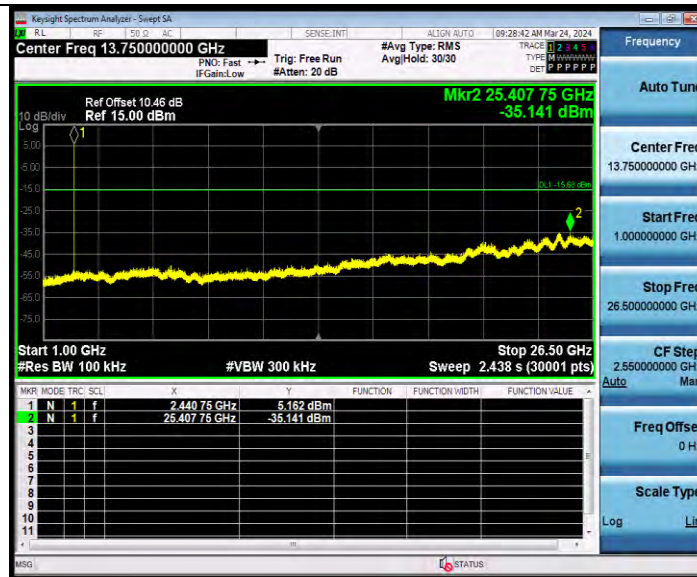


2DH5_Ant6_2441_1000~26500



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Reference No.: W7L-231218W001RF01



2DH5_Ant6_2480_0~Reference



2DH5_Ant6_2480_30~1000

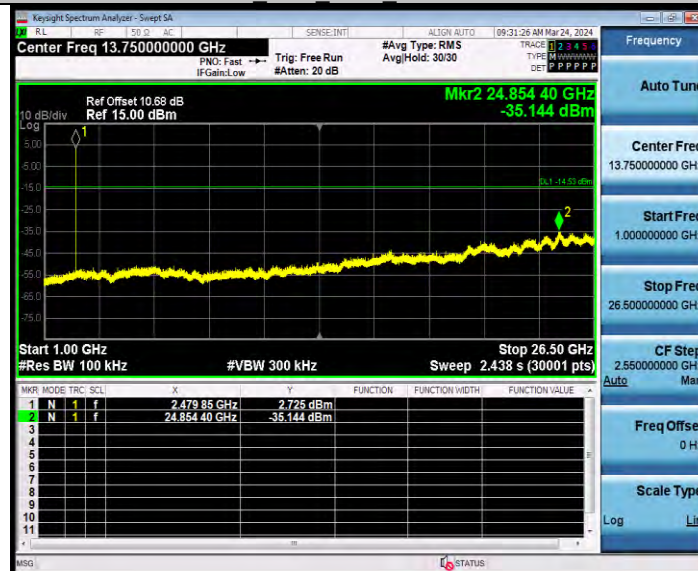


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Reference No.: W7L-231218W001RF01



2DH5 Ant6 2480 1000~26500



3DH5 Ant6 2402 0~Reference



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Reference No.: W7L-231218W001RF01



3DH5_Ant6_2402_30~1000



3DH5_Ant6_2402_1000~26500



Reference No.: W7L-231218W001RF01



3DH5_Ant6_2441_0~Reference



3DH5_Ant6_2441_30~1000

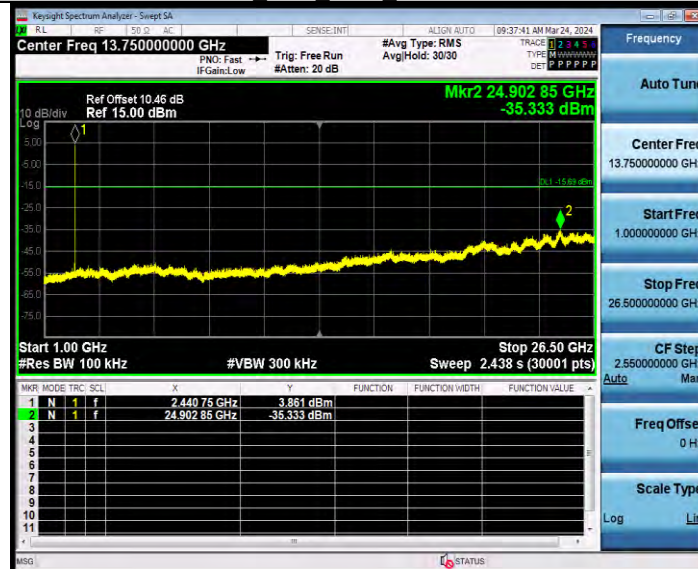


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VERITAS

Reference No.: W7L-231218W001RF01



3DH5 Ant6 2441 1000~26500



3DH5 Ant6 2480 0~Reference

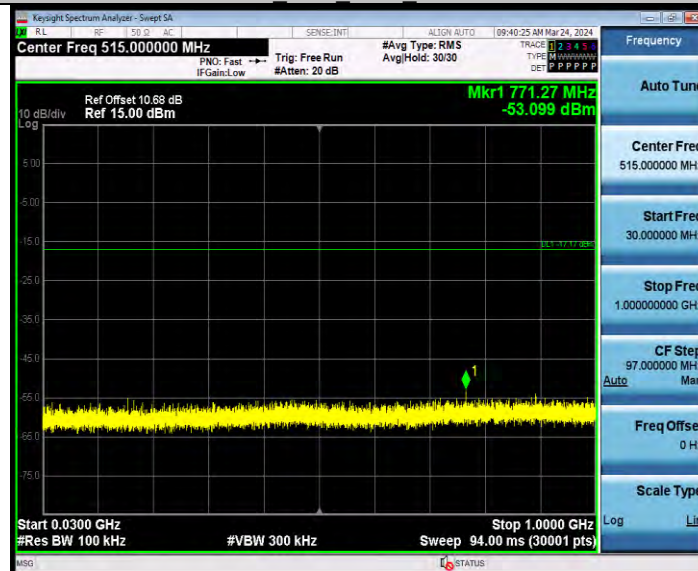


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VERITAS

Reference No.: W7L-231218W001RF01



3DH5_Ant6_2480_30~1000



3DH5_Ant6_2480_1000~26500



Reference No.: W7L-231218W001RF01



DUTY CYCLE TEST RESULT

TestMode	Antenna	Frequency[M Hz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant6	2402	0.87	1.12	77.68	1.10
		2441	2.89	3.75	77.07	1.13
		2480	2.88	3.75	76.80	1.15
2DH5	Ant6	2402	2.90	3.75	77.33	1.12
		2441	2.88	3.75	76.80	1.15
		2480	2.90	3.75	77.33	1.12
3DH5	Ant6	2402	2.88	3.75	76.80	1.15
		2441	2.90	3.75	77.33	1.12
		2480	2.89	3.75	77.07	1.13

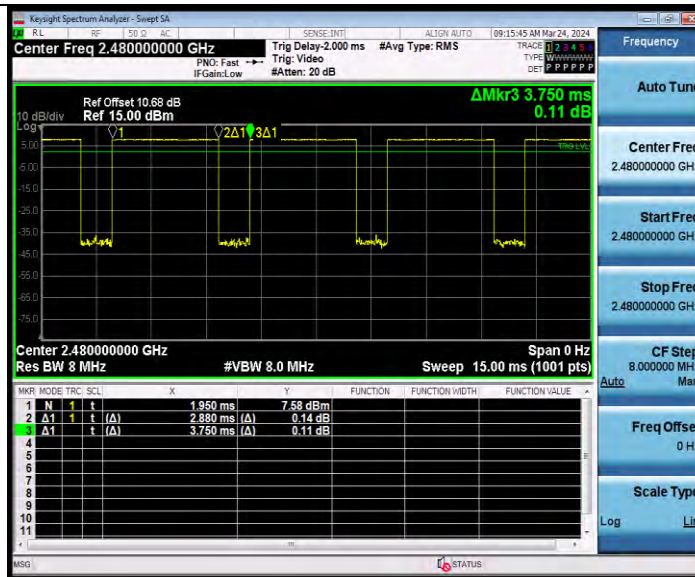
TEST GRAPHS



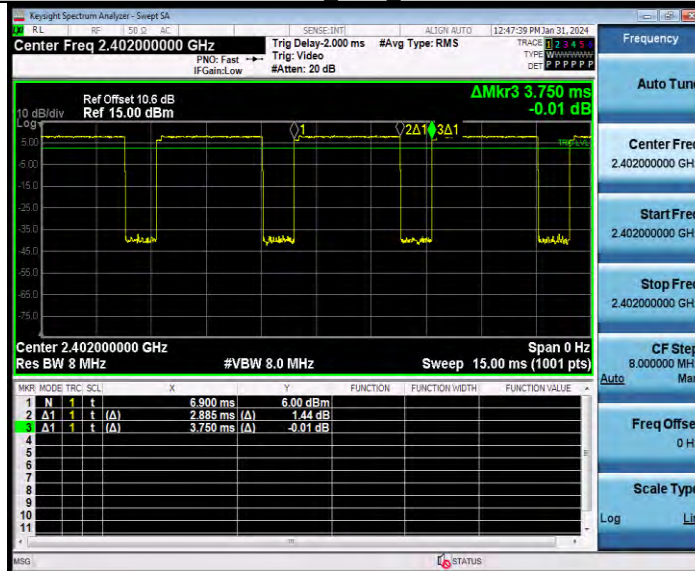


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VERITAS

Reference No.: W7L-231218W001RF01



2DH5_Ant6_2402

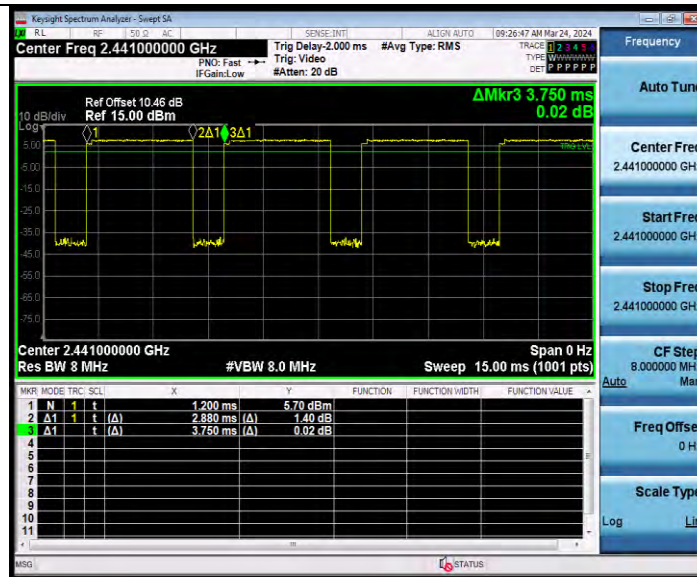


2DH5_Ant6_2441

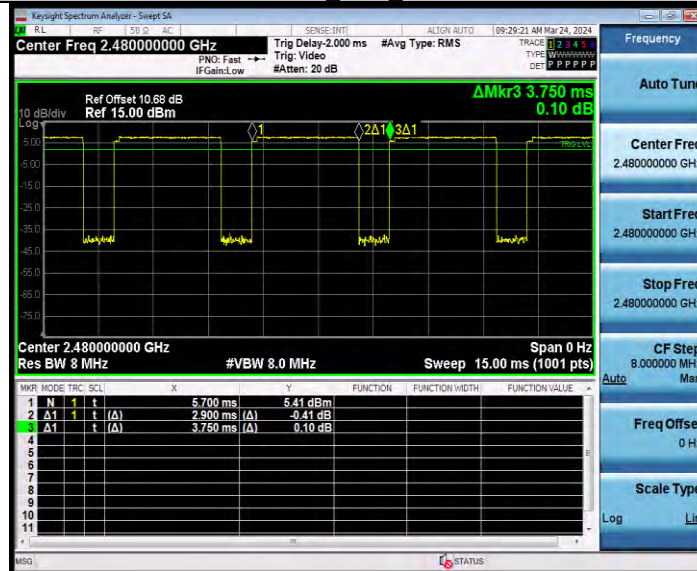


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VERITAS

Reference No.: W7L-231218W001RF01



2DH5_Ant6_2480

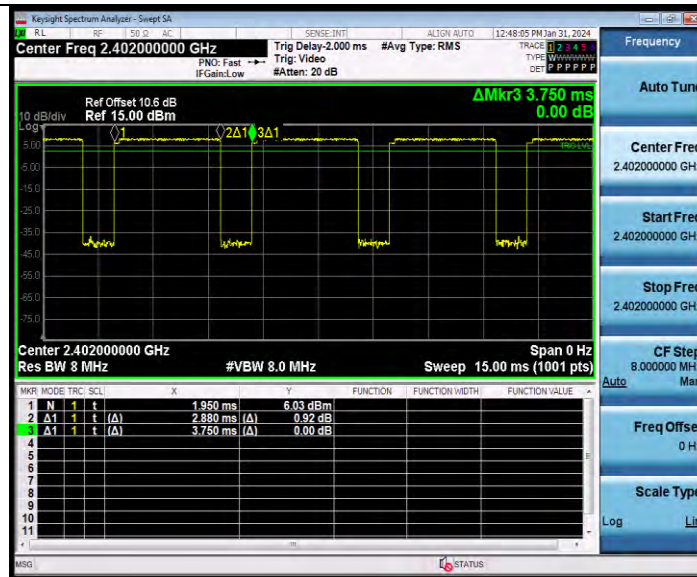


3DH5_Ant6_2402

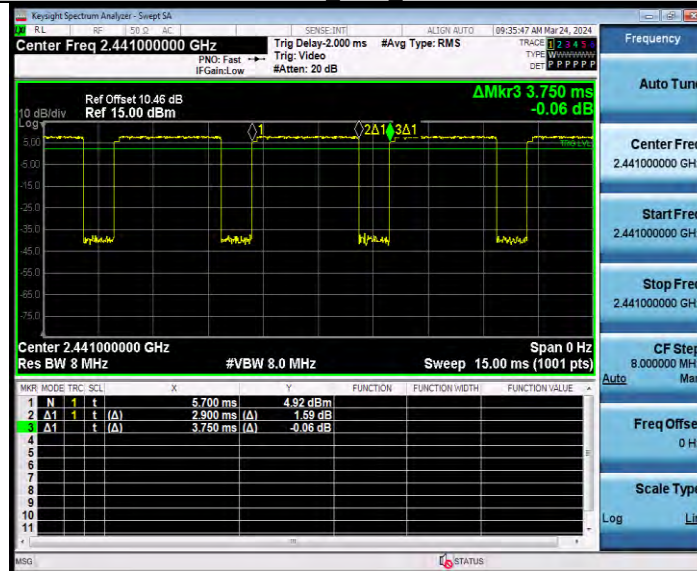


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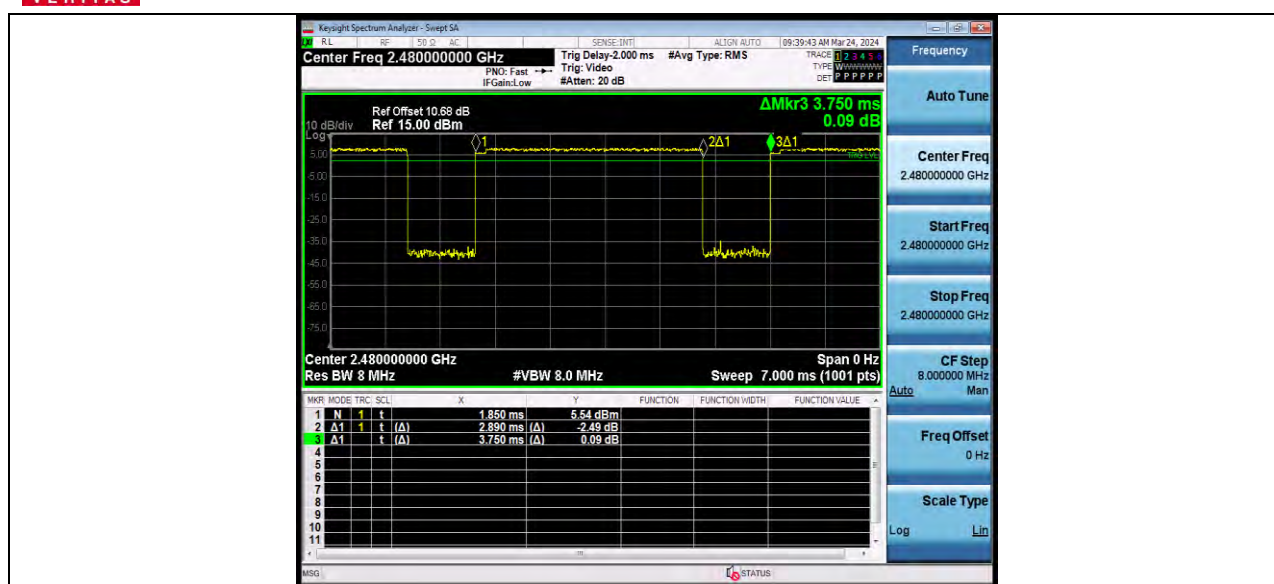
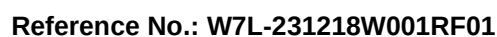
Reference No.: W7L-231218W001RF01



3DH5_Ant6_2441



3DH5_Ant6_2480



--END--