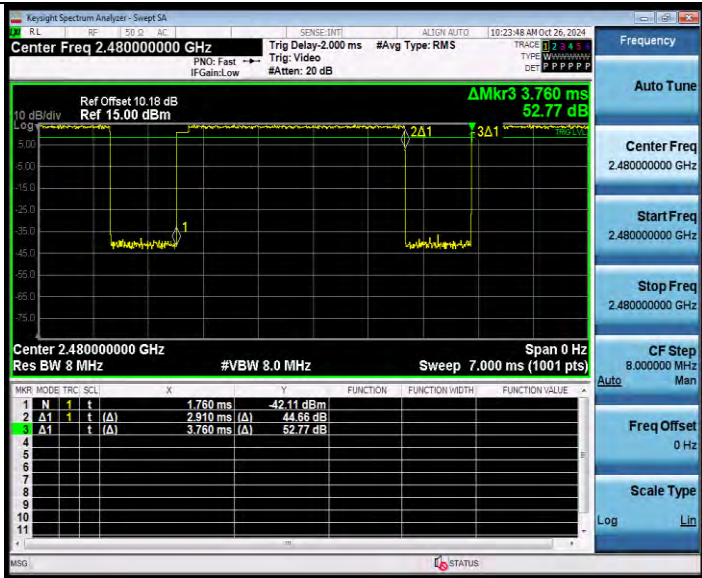




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Test Report No.: W7L-241014W001RF01



Left ear

20DB EMISSION BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.918	2401.556	2402.474	---	---
		2441	0.957	2440.538	2441.495	---	---
		2480	0.966	2479.538	2480.504	---	---
2DH5	Ant1	2402	1.305	2401.367	2402.672	---	---
		2441	1.323	2440.346	2441.669	---	---
		2480	1.326	2479.346	2480.672	---	---
3DH5	Ant1	2402	1.320	2401.352	2402.672	---	---
		2441	1.293	2440.370	2441.663	---	---
		2480	1.305	2479.361	2480.666	---	---

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



2DH5_Ant1_2480



3DH5_Ant1_2402



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3DH5_Ant1_2441



3DH5_Ant1_2480



BUREAU
VERITAS

Test Report No.: W7L-241014W001RF01



OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88245	2401.5725	2402.4550	---	---
		2441	0.86005	2440.5771	2441.4371	---	---
		2480	0.88711	2479.5722	2480.4593	---	---
2DH5	Ant1	2402	1.1943	2401.4099	2402.6042	---	---
		2441	1.1906	2440.4131	2441.6037	---	---
		2480	1.1877	2479.4154	2480.6031	---	---
3DH5	Ant1	2402	1.1970	2401.4069	2402.6039	---	---
		2441	1.1928	2440.4093	2441.6021	---	---
		2480	1.1949	2479.4118	2480.6067	---	---

TEST GRAPHS

DH5_Ant1_2402



DH5_Ant1_2441

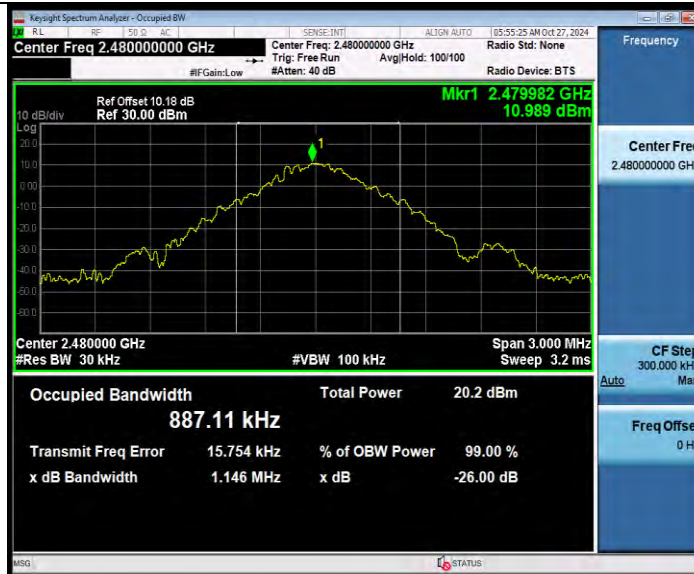


DH5_Ant1_2480

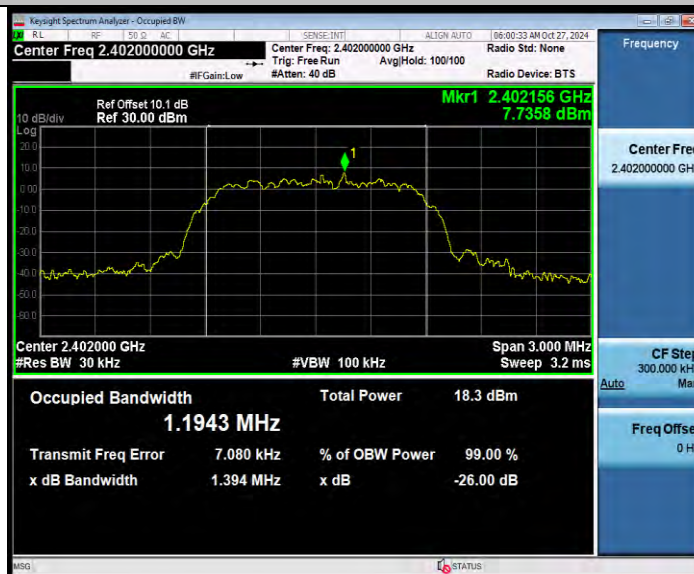


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Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2402

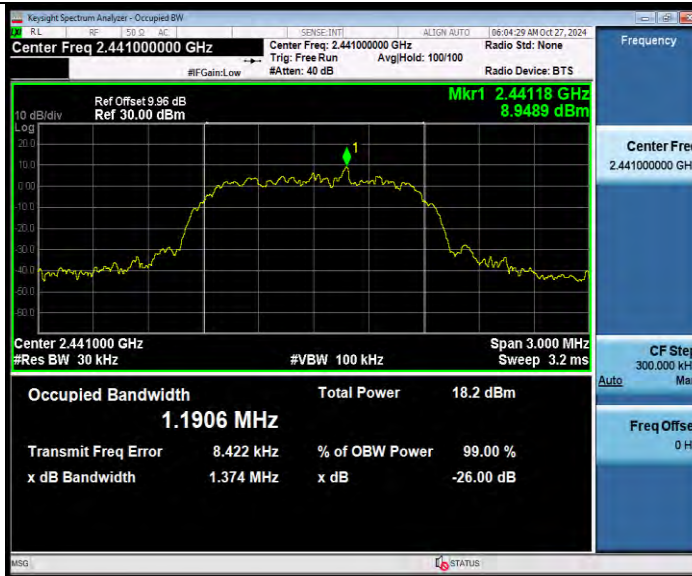


2DH5_Ant1_2441

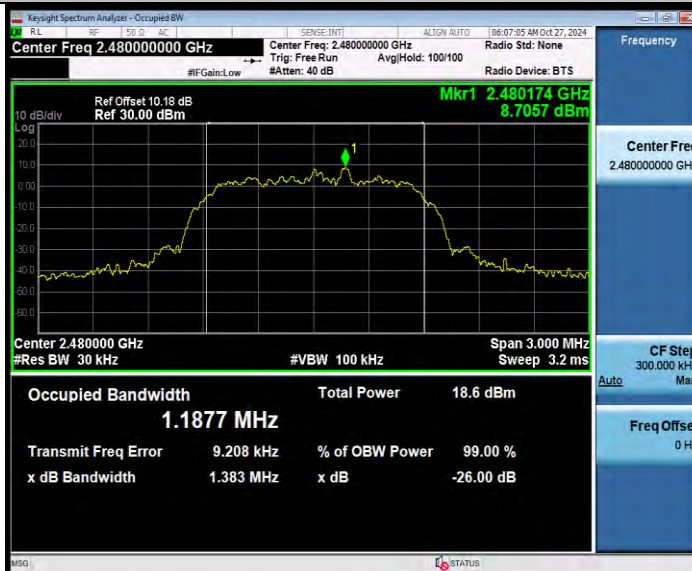


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Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2480

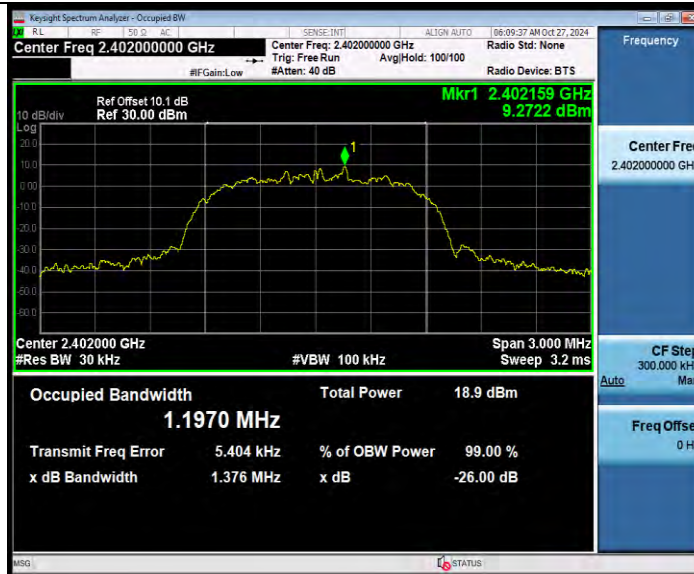


3DH5_Ant1_2402

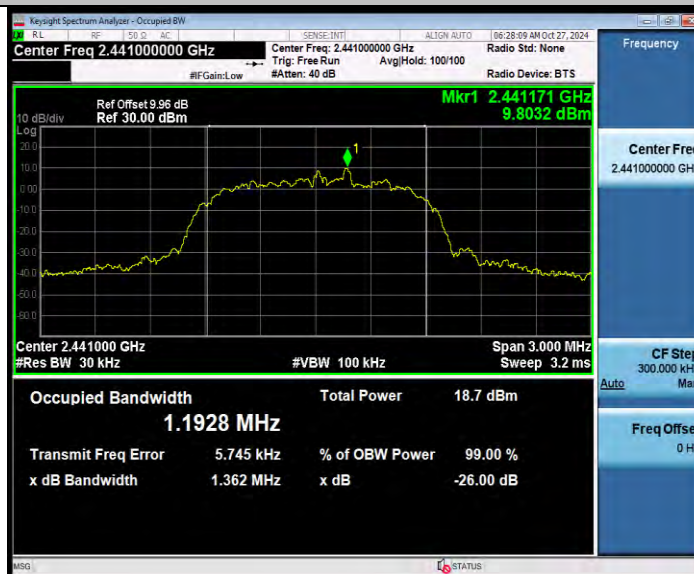


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VERITAS

Test Report No.: W7L-241014W001RF01



3DH5_Ant1_2441



3DH5_Ant1_2480



BUREAU
VERITAS

Test Report No.: W7L-241014W001RF01



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	13.47	13.51	22.44	≤20.97	8.66	7.35	≤36.00	PASS	Default
		2441	13.42	13.55	22.65	≤20.97	8.7	7.41	≤36.00	PASS	Default
		2480	13.46	13.56	22.70	≤20.97	8.71	7.43	≤36.00	PASS	Default
2DH5	Ant1	2402	11.25	11.33	13.58	≤20.97	6.48	4.45	≤36.00	PASS	Default
		2441	11.21	11.45	13.96	≤20.97	6.6	4.57	≤36.00	PASS	Default
		2480	11.14	11.42	13.87	≤20.97	6.57	4.54	≤36.00	PASS	Default
3DH5	Ant1	2402	11.26	11.32	13.55	≤20.97	6.47	4.44	≤36.00	PASS	Default
		2441	11.25	11.41	13.84	≤20.97	6.56	4.53	≤36.00	PASS	Default
		2480	11.17	11.45	13.96	≤20.97	6.6	4.57	≤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	0.84	≥ 0.644	PASS
2DH5	Ant1	Hop	1.14	≥ 0.884	PASS
3DH5	Ant1	Hop	0.976	≥ 0.880	PASS

TEST GRAPHS

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



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VERITAS

Test Report No.: W7L-241014W001RF01



TIME OF OCCUPANCY

TEST RESULT

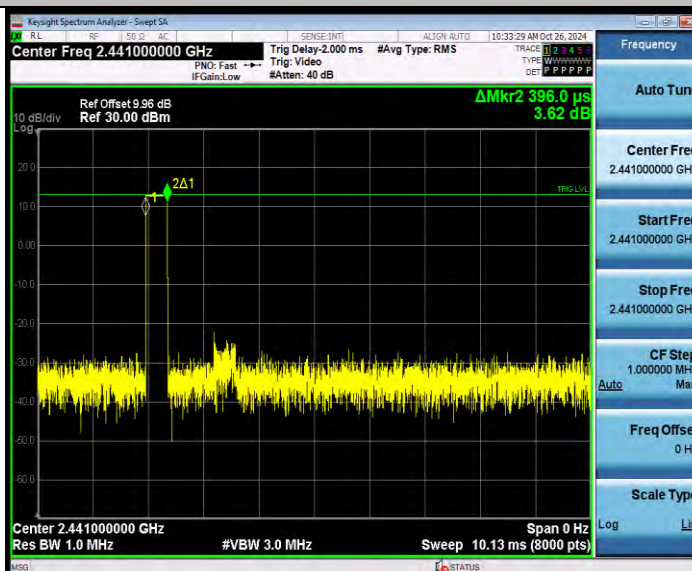
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.396	320	0.127	≤0.4	PASS
DH3	Ant1	Hop	1.653	160	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.901	107	0.309	≤0.4	PASS
2DH1	Ant1	Hop	0.400	320	0.128	≤0.4	PASS
2DH3	Ant1	Hop	1.653	160	0.264	≤0.4	PASS
2DH5	Ant1	Hop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

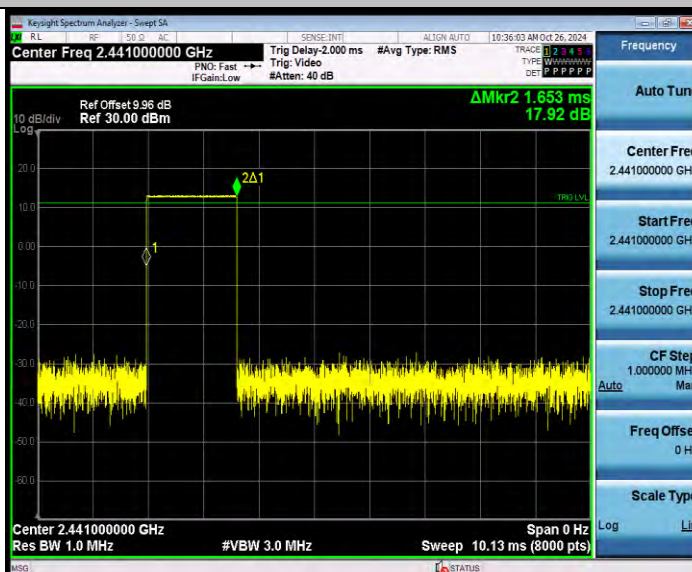
Send and receive Number : DH1/2DH1/3DH1=2; DH3/2DH3/3DH3=4; DH5/2DH5/3DH5=6

TEST GRAPHS

DH1_Ant1_Hop



DH3_Ant1_Hop

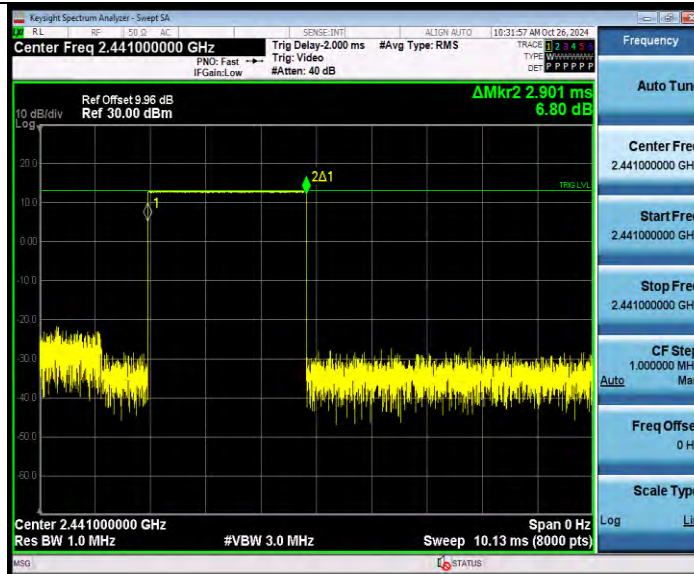


DH5_Ant1_Hop

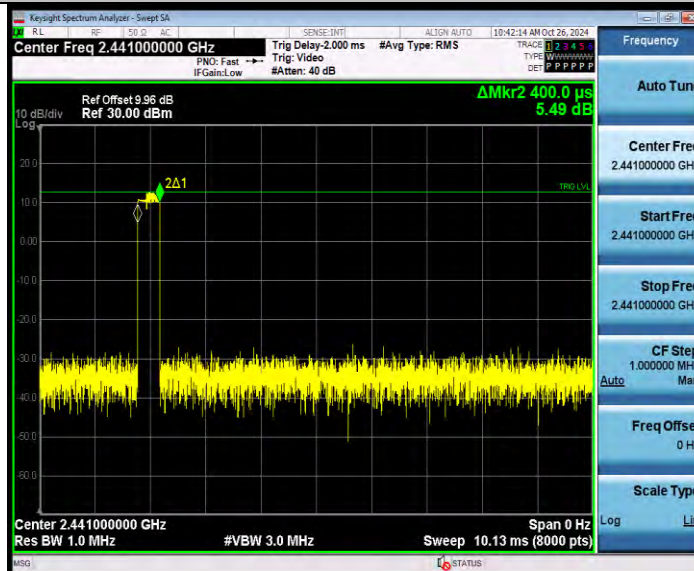


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VERITAS

Test Report No.: W7L-241014W001RF01



2DH1_Ant1_Hop

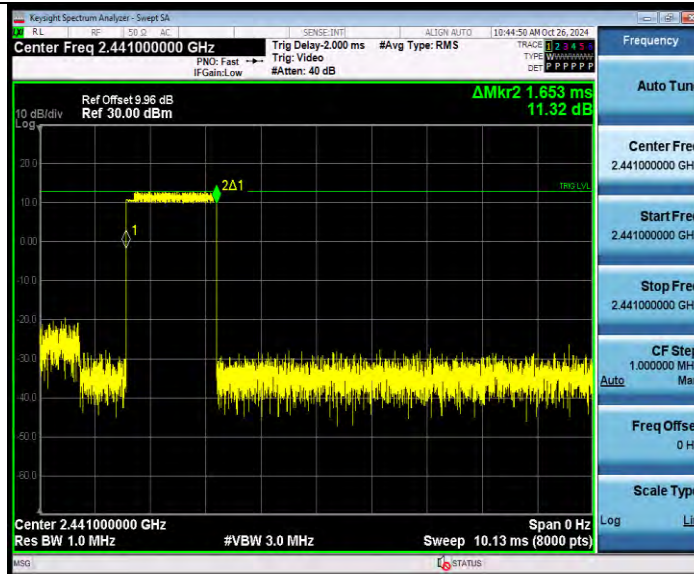


2DH3_Ant1_Hop

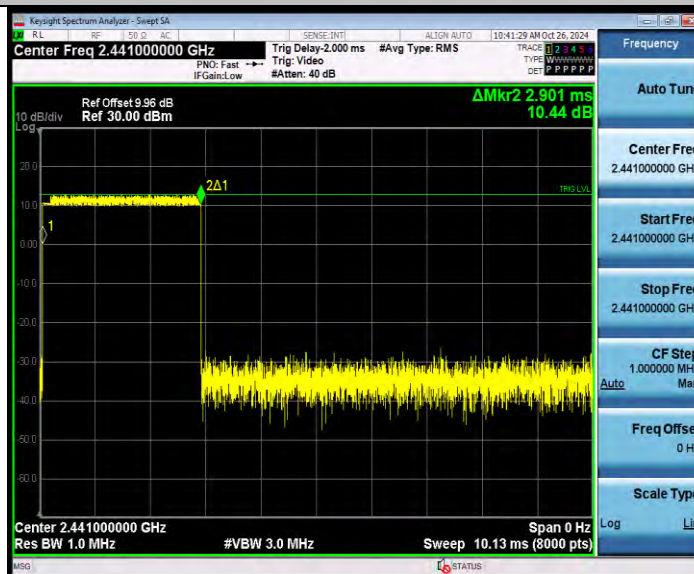


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VERITAS

Test Report No.: W7L-241014W001RF01



2DH5_Ant1_Hop

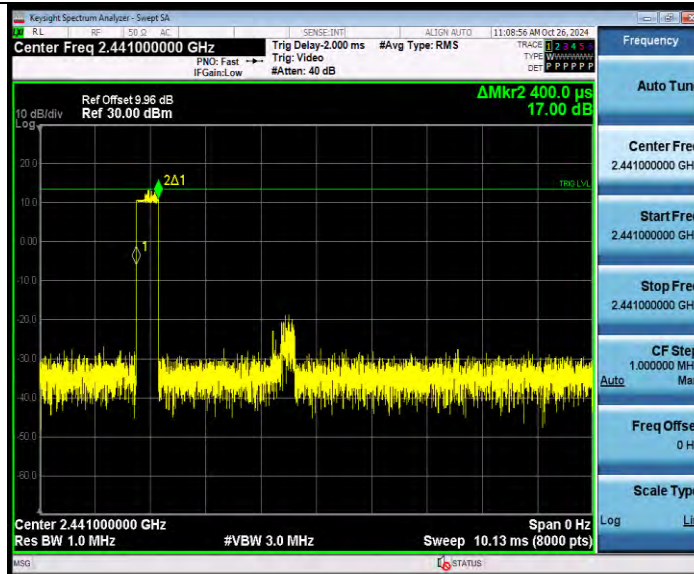


3DH1_Ant1_Hop



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Test Report No.: W7L-241014W001RF01



3DH3_Ant1_Hop

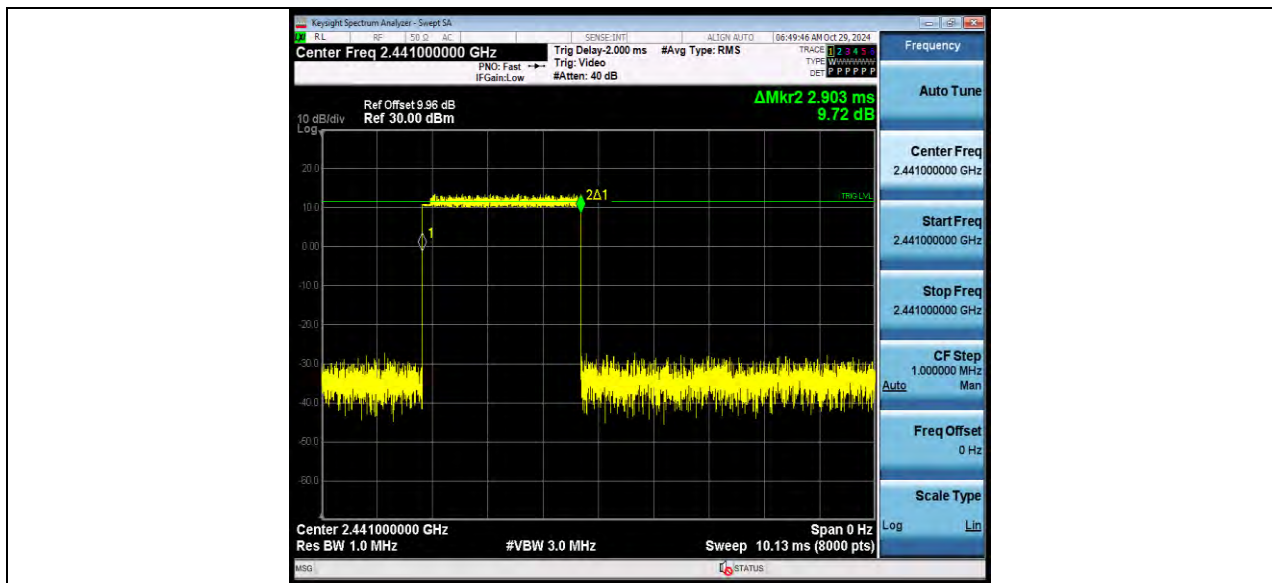


3DH5_Ant1_Hop



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Test Report No.: W7L-241014W001RF01





Test Report No.: W7L-241014W001RF01

NUMBER OF HOPPING CHANNELS

TEST RESULT

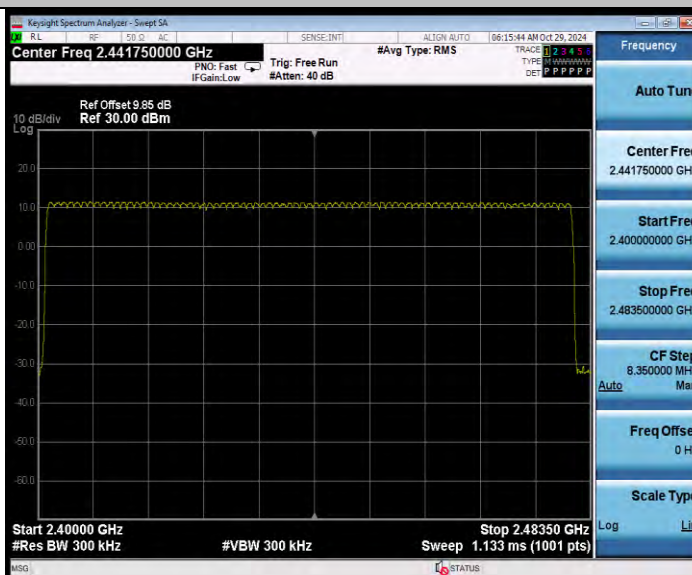
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
2DH5	Ant1	Hop	79	≥ 15	PASS
3DH5	Ant1	Hop	79	≥ 15	PASS

TEST GRAPHS

DH5_Ant1_Hop



2DH5_Ant1_Hop

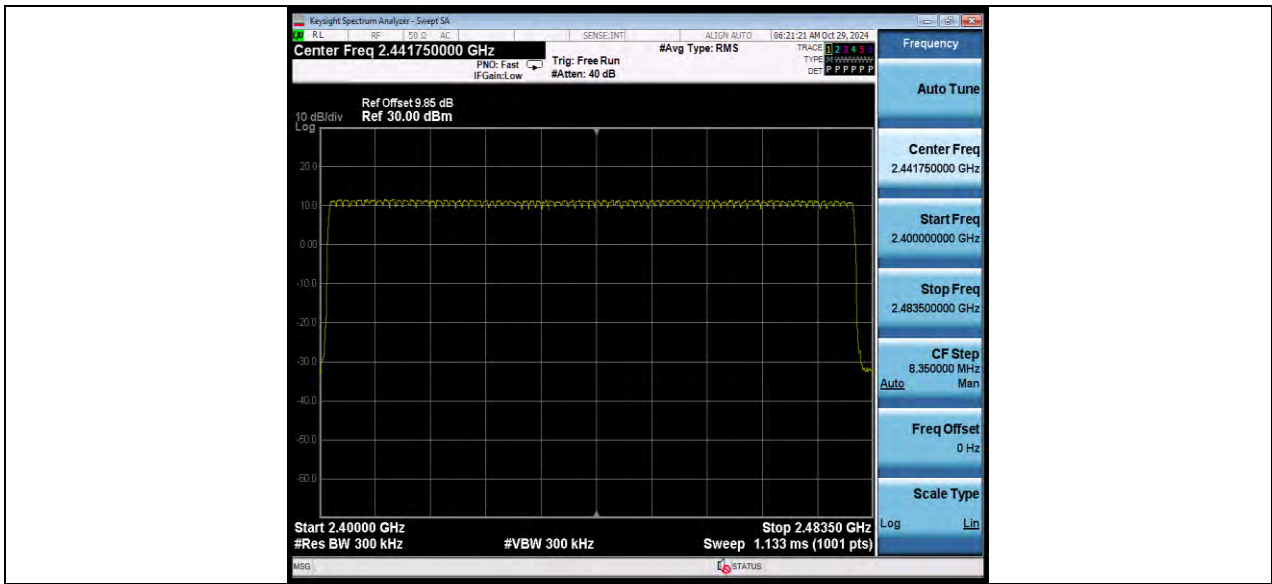


3DH5_Ant1_Hop



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VERITAS

Test Report No.: W7L-241014W001RF01



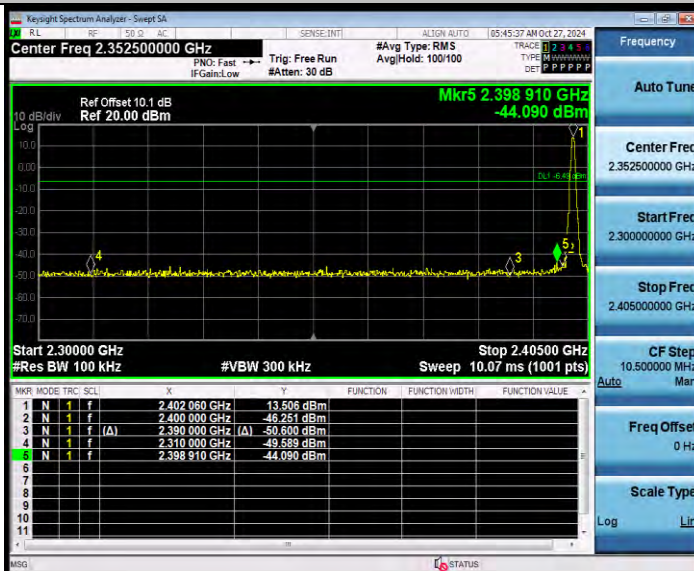
BAND EDGE MEASUREMENTS

TEST RESULT

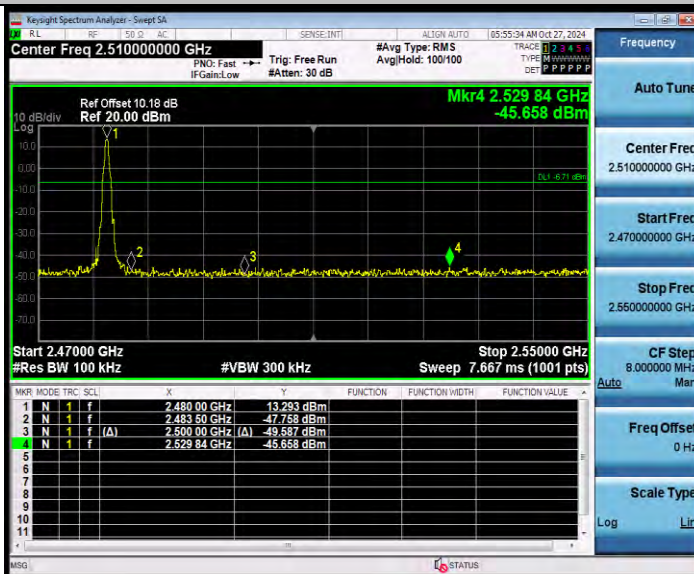
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	13.51	-44.09	≤-6.49	PASS
		High	2480	13.29	-45.66	≤-6.71	PASS
		Low	Hop_2402	12.78	-45.58	≤-7.22	PASS
		High	Hop_2480	12.46	-44.66	≤-7.55	PASS
2DH5	Ant1	Low	2402	10.92	-42.44	≤-9.08	PASS
		High	2480	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

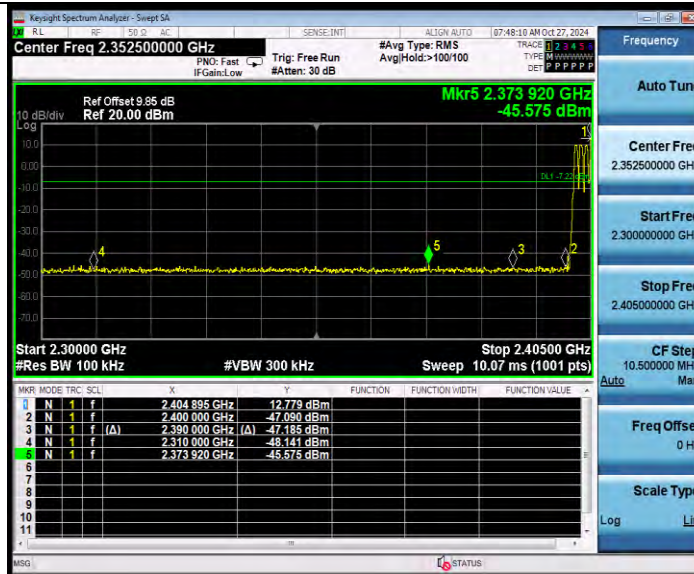
DH5_Ant1_Low_2402



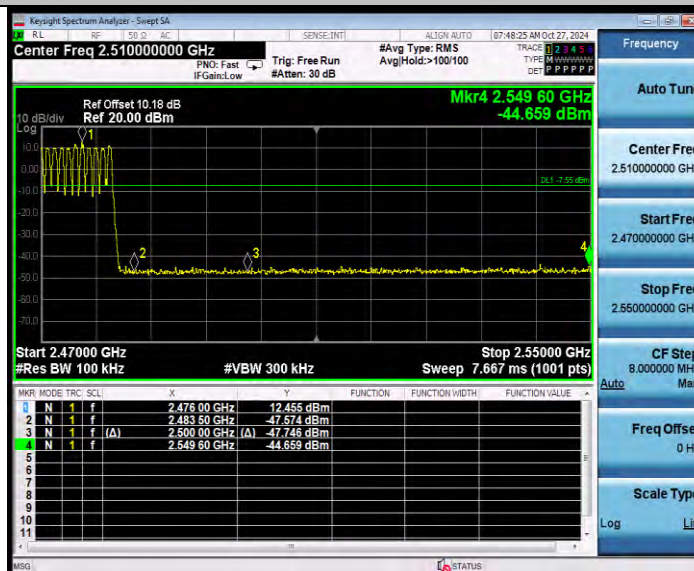
DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

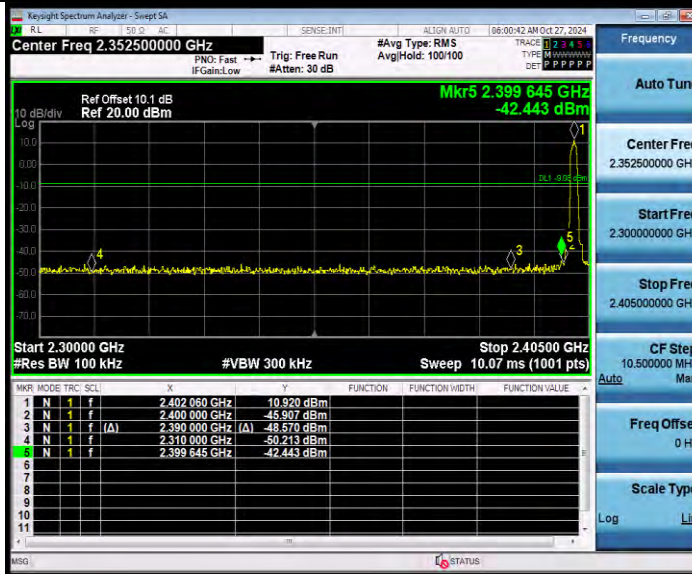


2DH5_Ant1_Low_2402

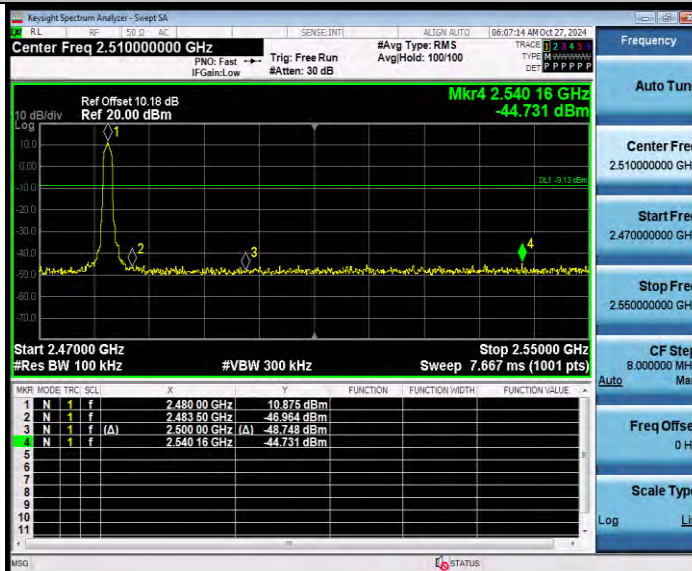


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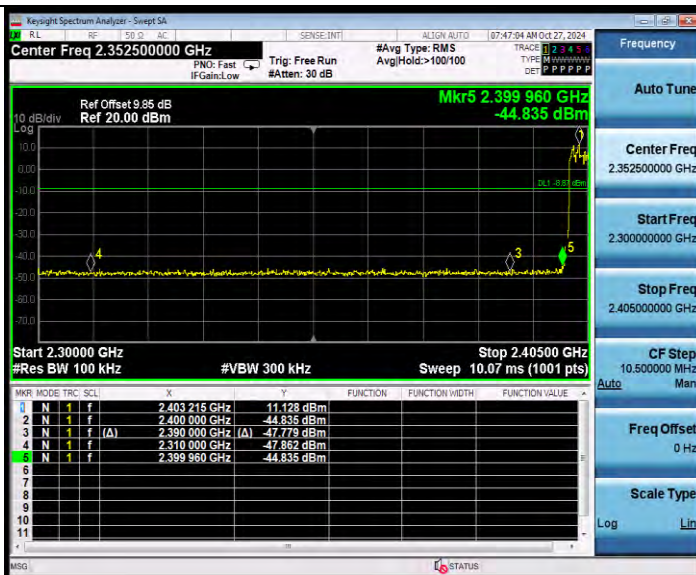
Test Report No.: W7L-241014W001RF01



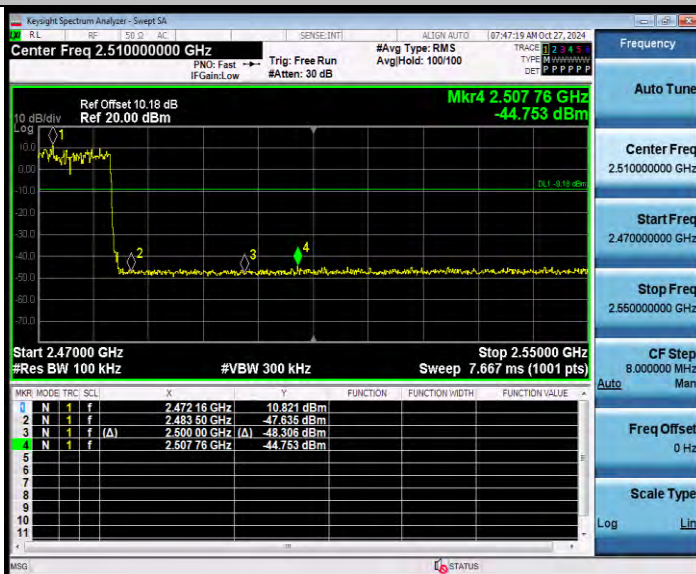
2DH5_Ant1_High_2480



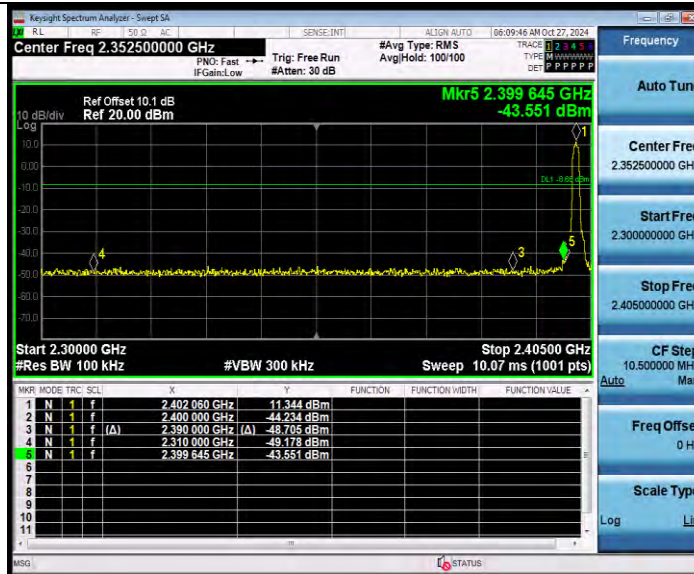
2DH5_Ant1_Low_Hop_2402



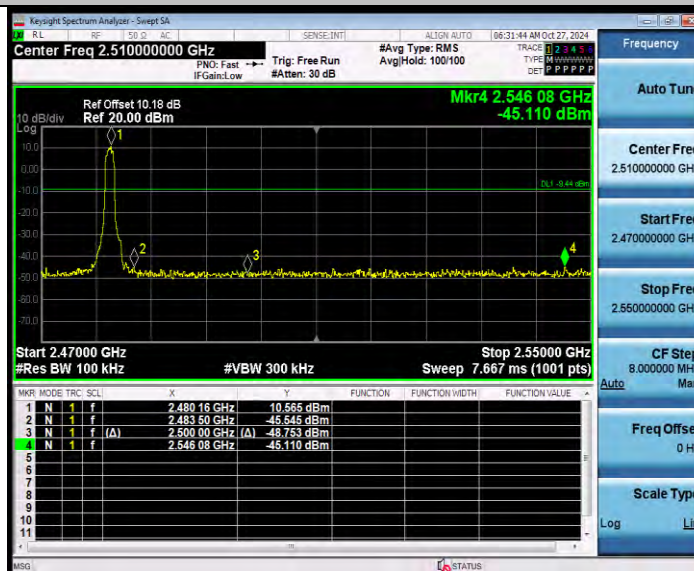
2DH5_Ant1_High_Hop_2480



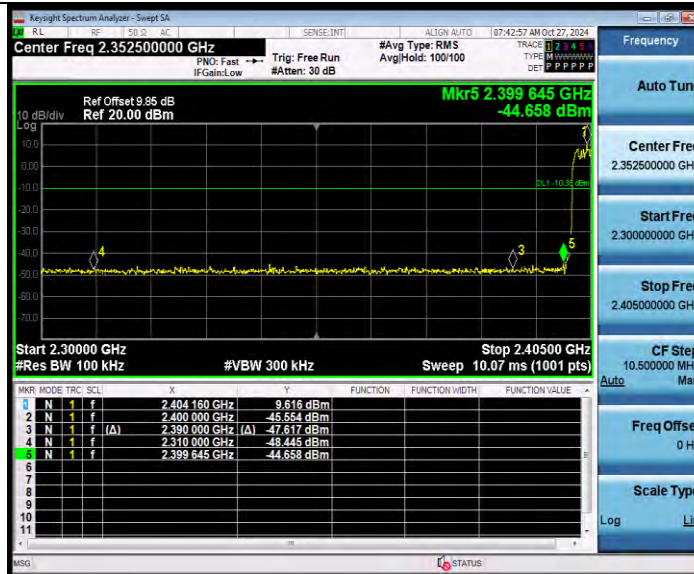
3DH5_Ant1_Low_2402



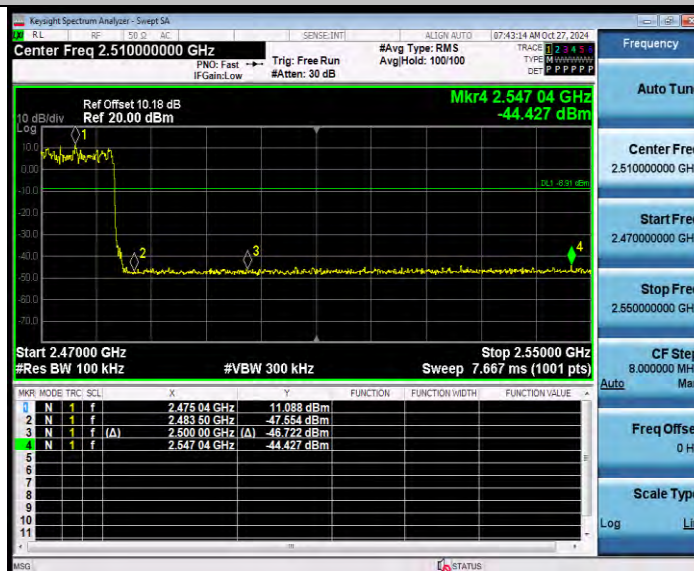
3DH5_Ant1_High_2480



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	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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Test Report No.: W7L-241014W001RF01



DH5_Ant1_2441_0~Reference

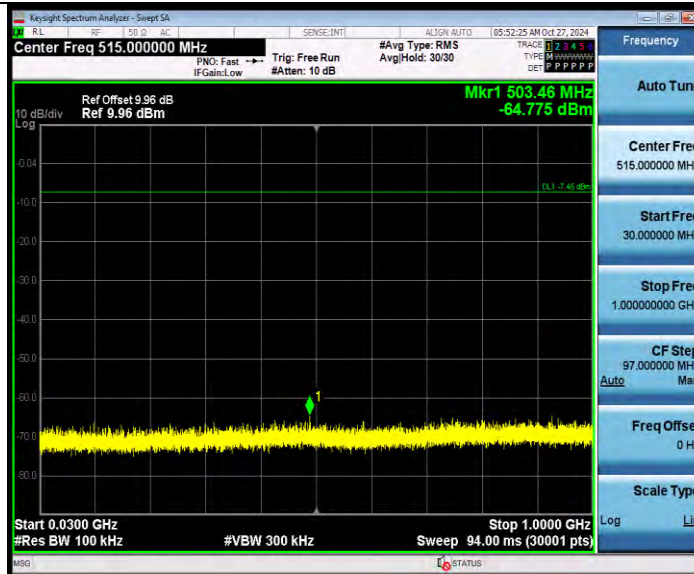


DH5_Ant1_2441_30~1000



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Test Report No.: W7L-241014W001RF01



DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference

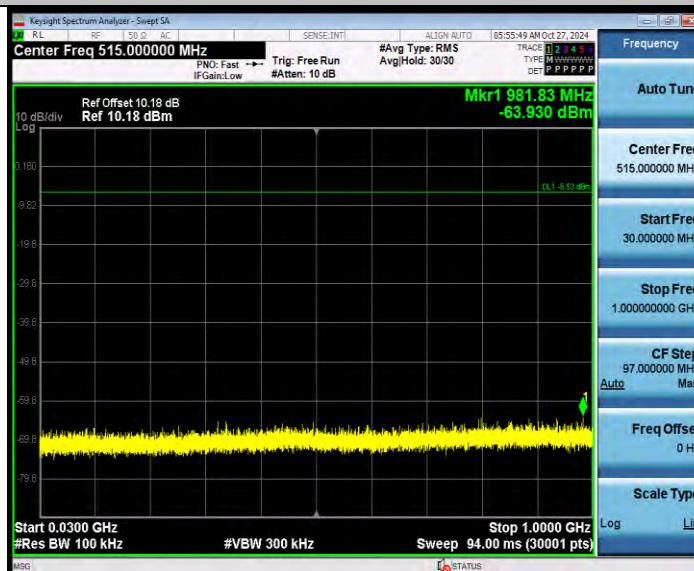


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Test Report No.: W7L-241014W001RF01



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



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Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2402_0~Reference

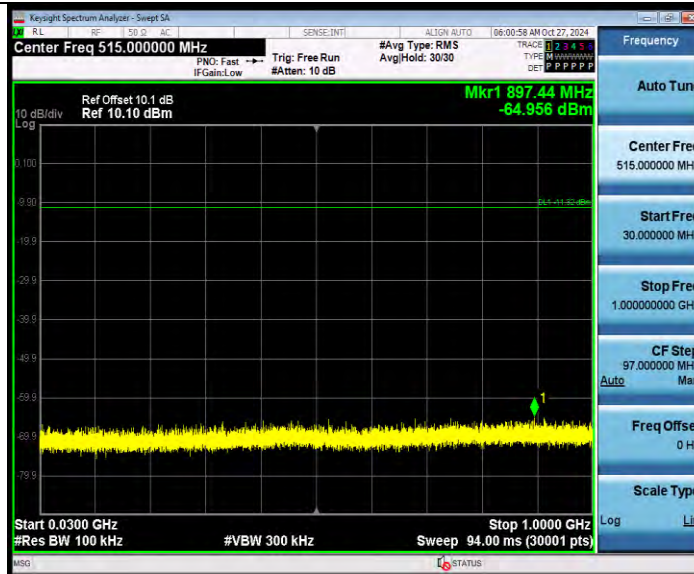


2DH5_Ant1_2402_30~1000



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Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference

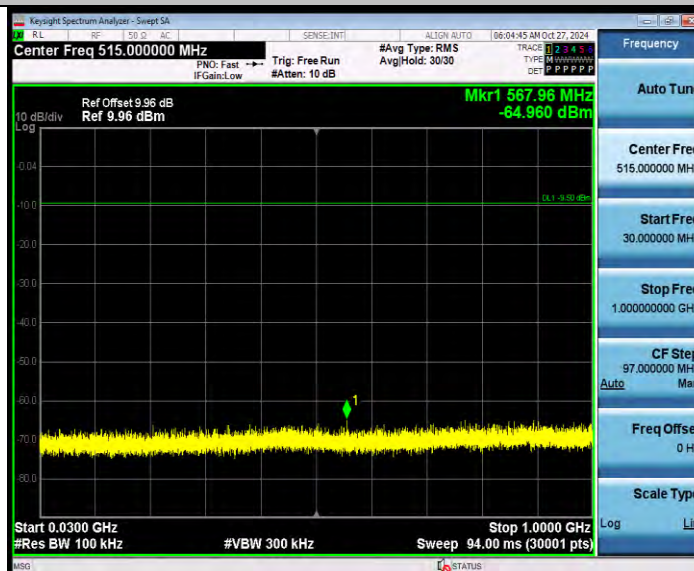


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Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



BUREAU
VERITAS

Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2480_0~Reference

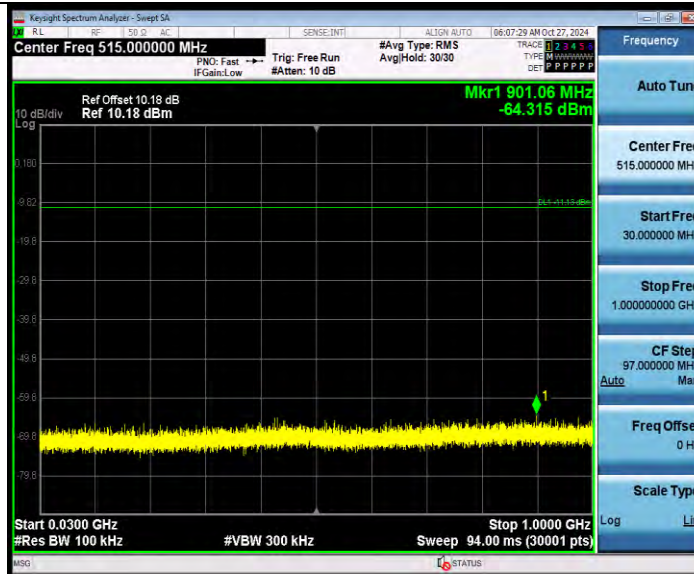


2DH5_Ant1_2480_30~1000



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VERITAS

Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference

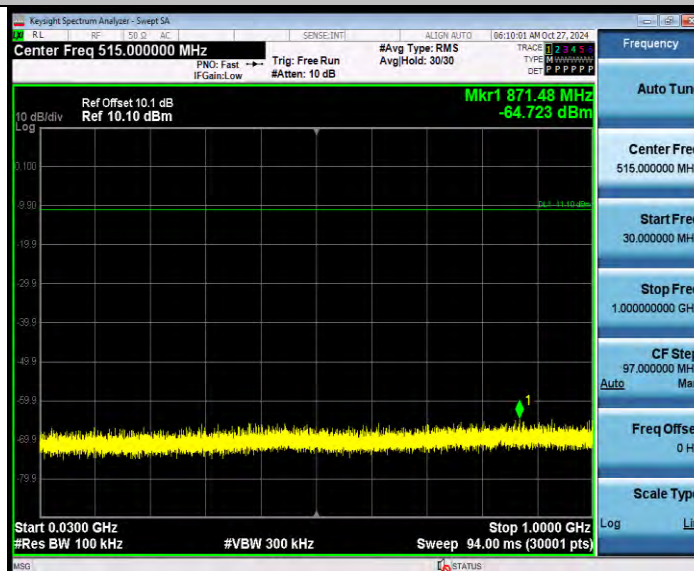


BUREAU
VERITAS

Test Report No.: W7L-241014W001RF01



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500



BUREAU
VERITAS

Test Report No.: W7L-241014W001RF01



3DH5_Ant1_2441_0~Reference

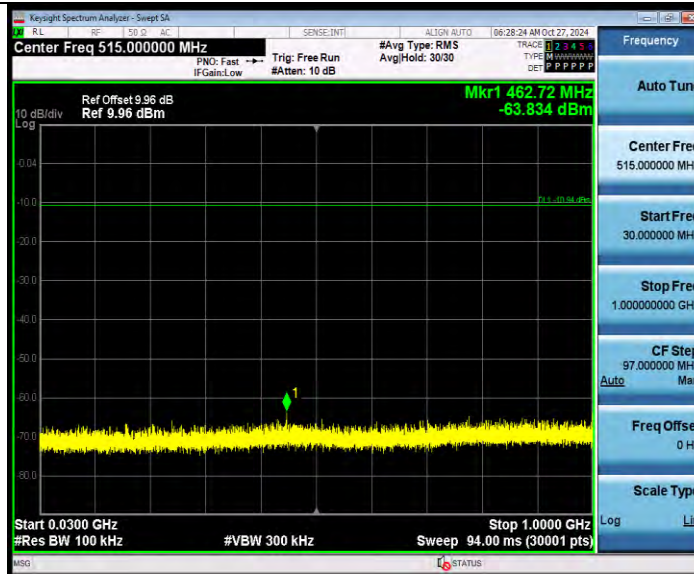


3DH5_Ant1_2441_30~1000



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VERITAS

Test Report No.: W7L-241014W001RF01



3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference

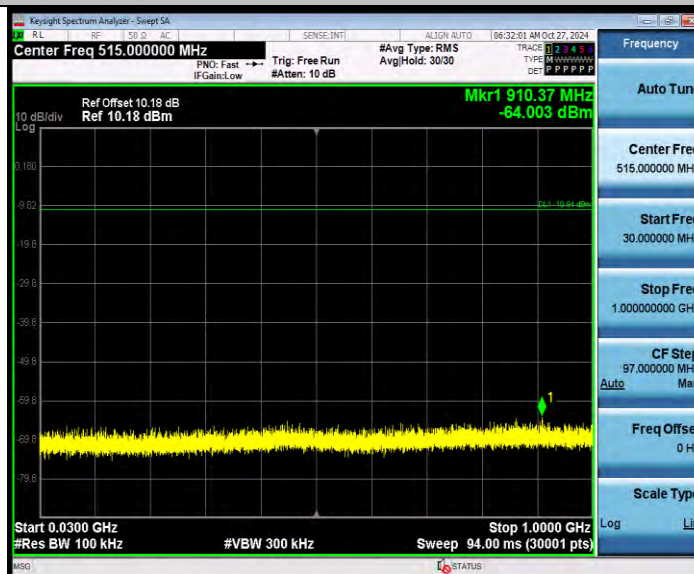


BUREAU
VERITAS

Test Report No.: W7L-241014W001RF01



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



BUREAU
VERITAS

Test Report No.: W7L-241014W001RF01



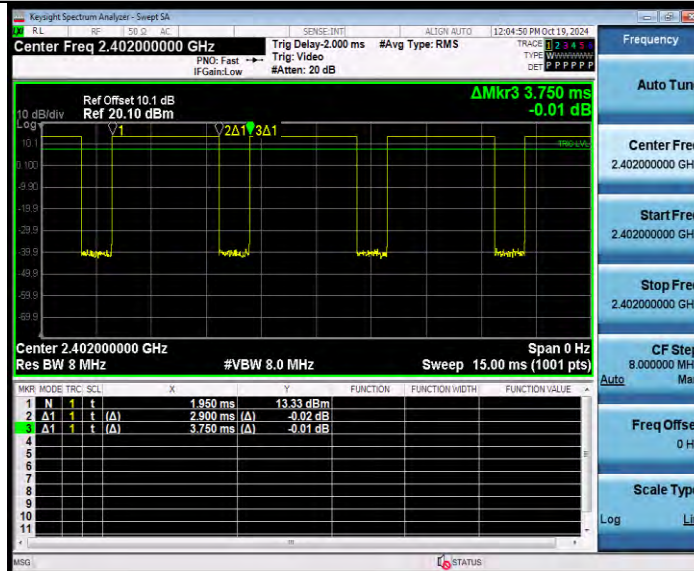
DUTY CYCLE

TEST RESULT

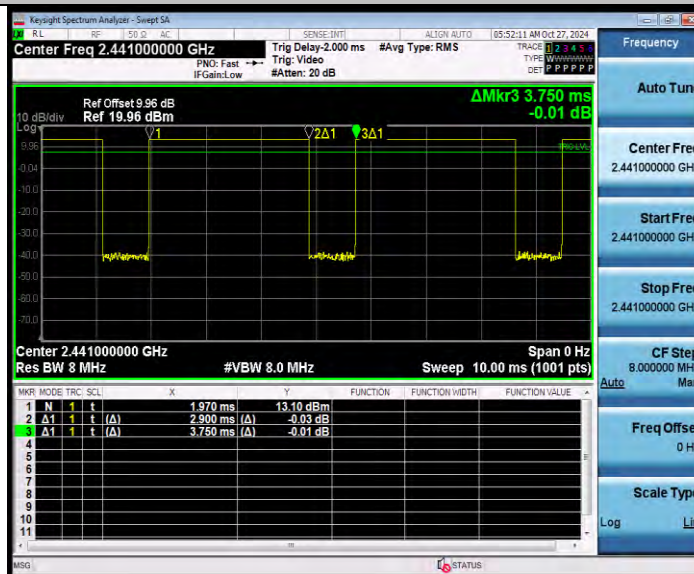
TestMode	Antenna	Frequency[M Hz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.90	3.75	77.33	1.12
		2441	2.90	3.75	77.33	1.12
		2480	2.90	3.75	77.33	1.12
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
		2441	2.90	3.75	77.33	1.12
		2480	2.90	3.75	77.33	1.12
3DH5	Ant1	2402	2.91	3.76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

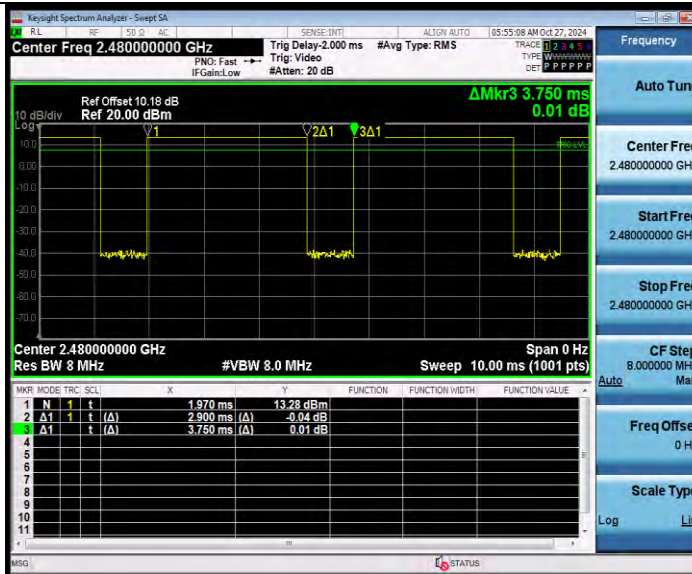


DH5_Ant1_2480

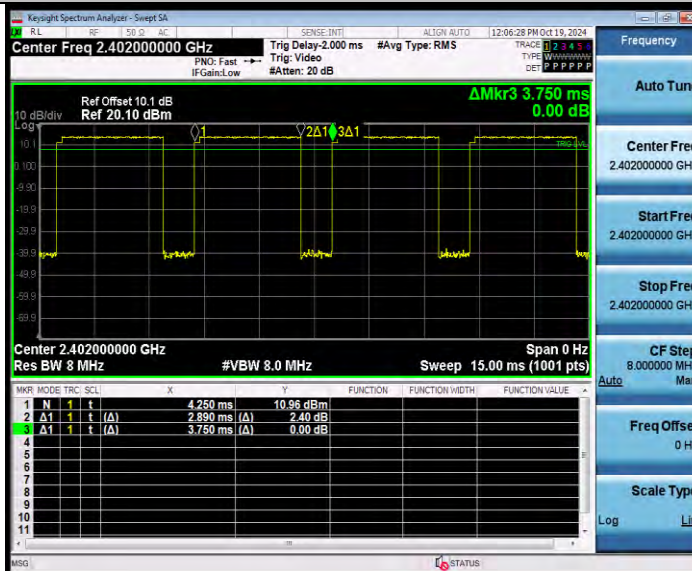


BUREAU
VERITAS

Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2402

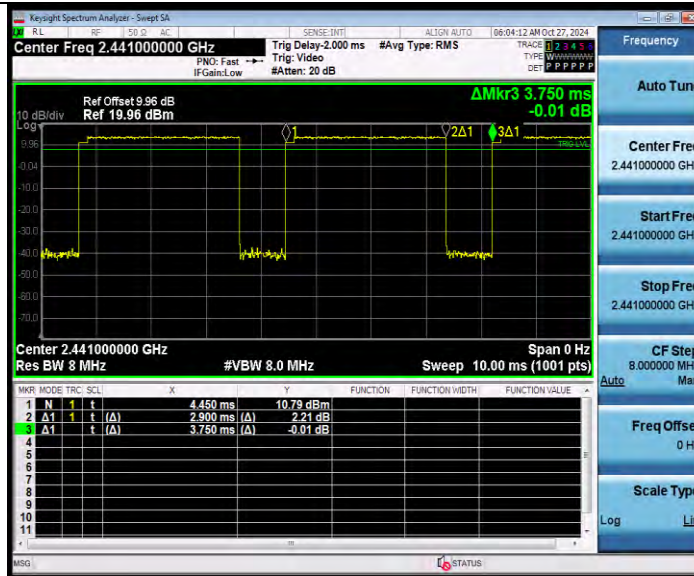


2DH5_Ant1_2441

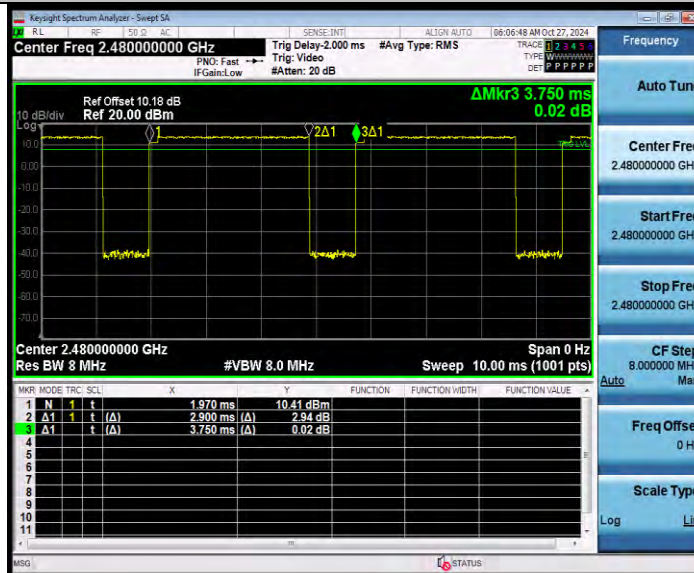


BUREAU
VERITAS

Test Report No.: W7L-241014W001RF01



2DH5_Ant1_2480



3DH5_Ant1_2402