

APPENDIX A:BT

20DB EMISSION BANDWIDTH TEST RESULT

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant8	2402	0.945	2401.538	2402.483	---	---
		2441	0.948	2440.535	2441.483	---	---
		2480	0.933	2479.547	2480.480	---	---
2DH5	Ant8	2402	1.308	2401.346	2402.654	---	---
		2441	1.317	2440.337	2441.654	---	---
		2480	1.323	2479.331	2480.654	---	---
3DH5	Ant8	2402	1.332	2401.331	2402.663	---	---
		2441	1.329	2440.334	2441.663	---	---
		2480	1.320	2479.340	2480.660	---	---

TEST GRAPHS





BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



2DH5_Ant8_2402



2DH5_Ant8_2441



2D H5 Ant8 2480

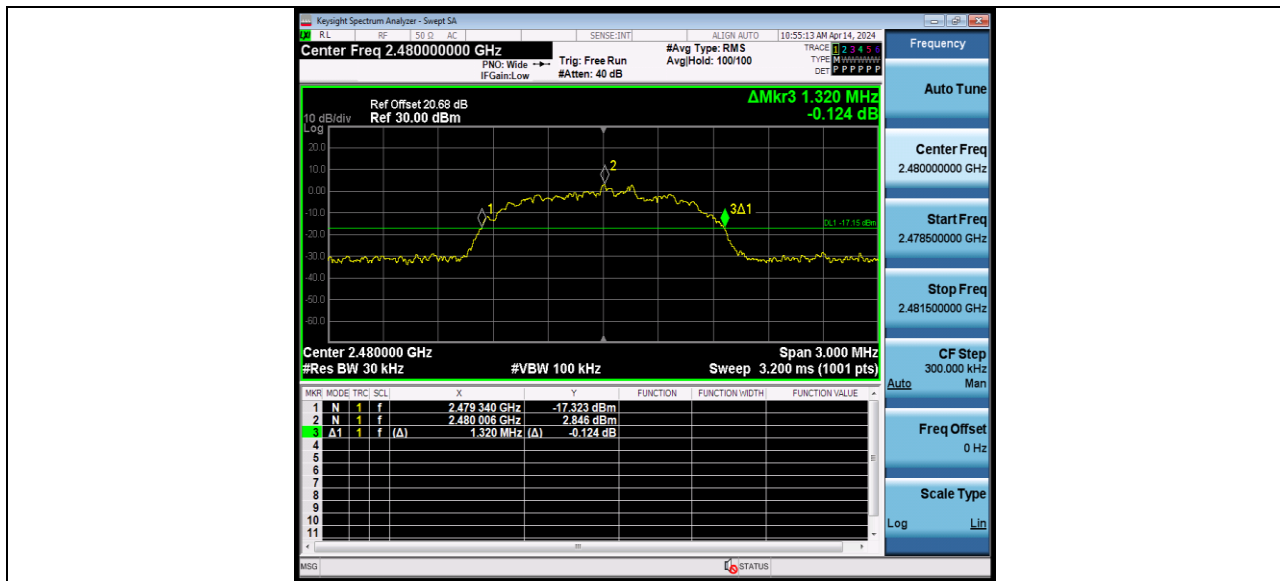


3D H5 Ant8 2402



BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



OCCUPIED CHANNEL BANDWIDTH TEST RESULT

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant8	2402	0.88631	2401.5556	2402.4420	---	---
		2441	0.87179	2440.5662	2441.4380	---	---
		2480	0.85527	2479.5731	2480.4284	---	---
2DH5	Ant8	2402	1.2549	2401.3735	2402.6284	---	---
		2441	1.2276	2440.3843	2441.6119	---	---
		2480	1.2273	2479.3850	2480.6123	---	---
3DH5	Ant8	2402	1.2257	2401.3792	2402.6049	---	---
		2441	1.2314	2440.3762	2441.6076	---	---
		2480	1.2207	2479.3800	2480.6007	---	---

TEST GRAPHS





BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



2DH5_Ant8_2402



2DH5_Ant8_2441

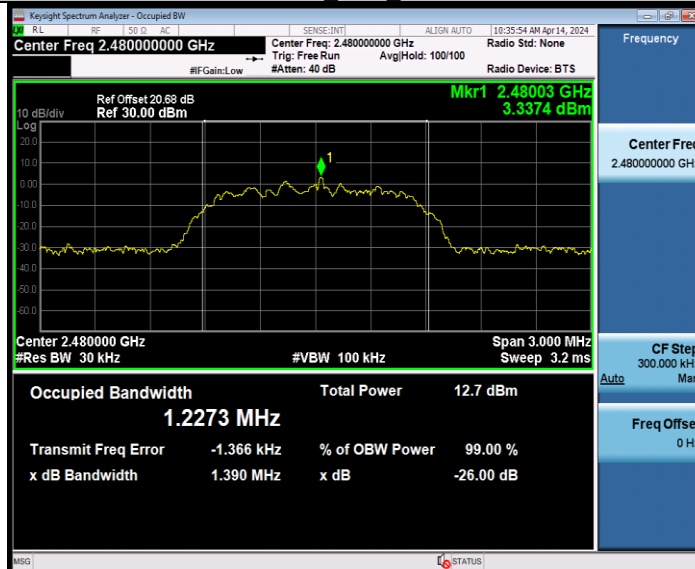


BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



2DH5_Ant8_2480



3DH5_Ant8_2402

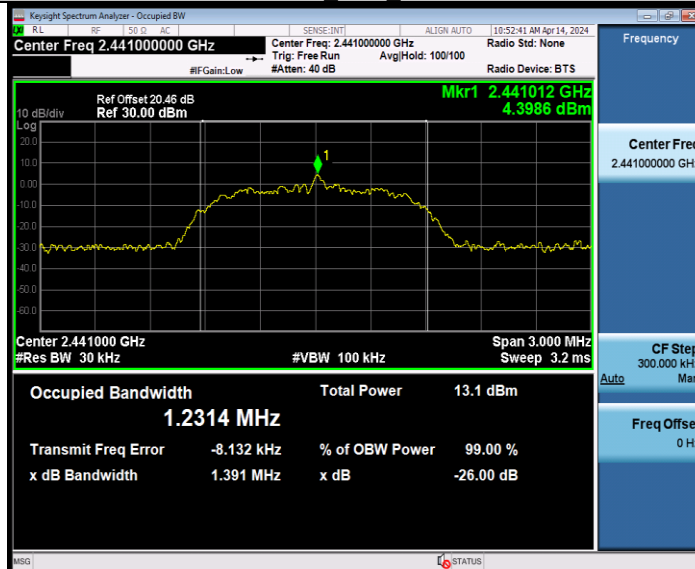


BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



3DH5_Ant8_2441



3DH5_Ant8_2480



BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



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	Ant8	2402	7.34	7.35	5.43	≤20.97	7.75	5.96	≤36.00	PASS	Default
		2441	7.49	7.5	5.62	≤20.97	7.9	6.17	≤36.00	PASS	Default
		2480	7.39	7.41	5.51	≤20.97	7.81	6.04	≤36.00	PASS	Default
2DH5	Ant8	2402	5.48	7.19	5.24	≤20.97	7.59	5.74	≤36.00	PASS	Default
		2441	5.59	7.25	5.31	≤20.97	7.65	5.82	≤36.00	PASS	Default
		2480	5.32	7.16	5.20	≤20.97	7.56	5.70	≤36.00	PASS	Default
3DH5	Ant8	2402	5.49	7.22	5.27	≤20.97	7.62	5.78	≤36.00	PASS	Default
		2441	5.56	7.39	5.48	≤20.97	7.79	6.01	≤36.00	PASS	Default
		2480	5.29	7.28	5.35	≤20.97	7.68	5.86	≤36.00	PASS	Default
Note:EIRP=Peak Power+Gain											

CARRIER FREQUENCY SEPARATION TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant8	Hop	1.014	≥0.948	PASS
2DH5	Ant8	Hop	1.336	≥1.323	PASS
3DH5	Ant8	Hop	1.03	≥0.888	PASS

TEST GRAPHS





BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



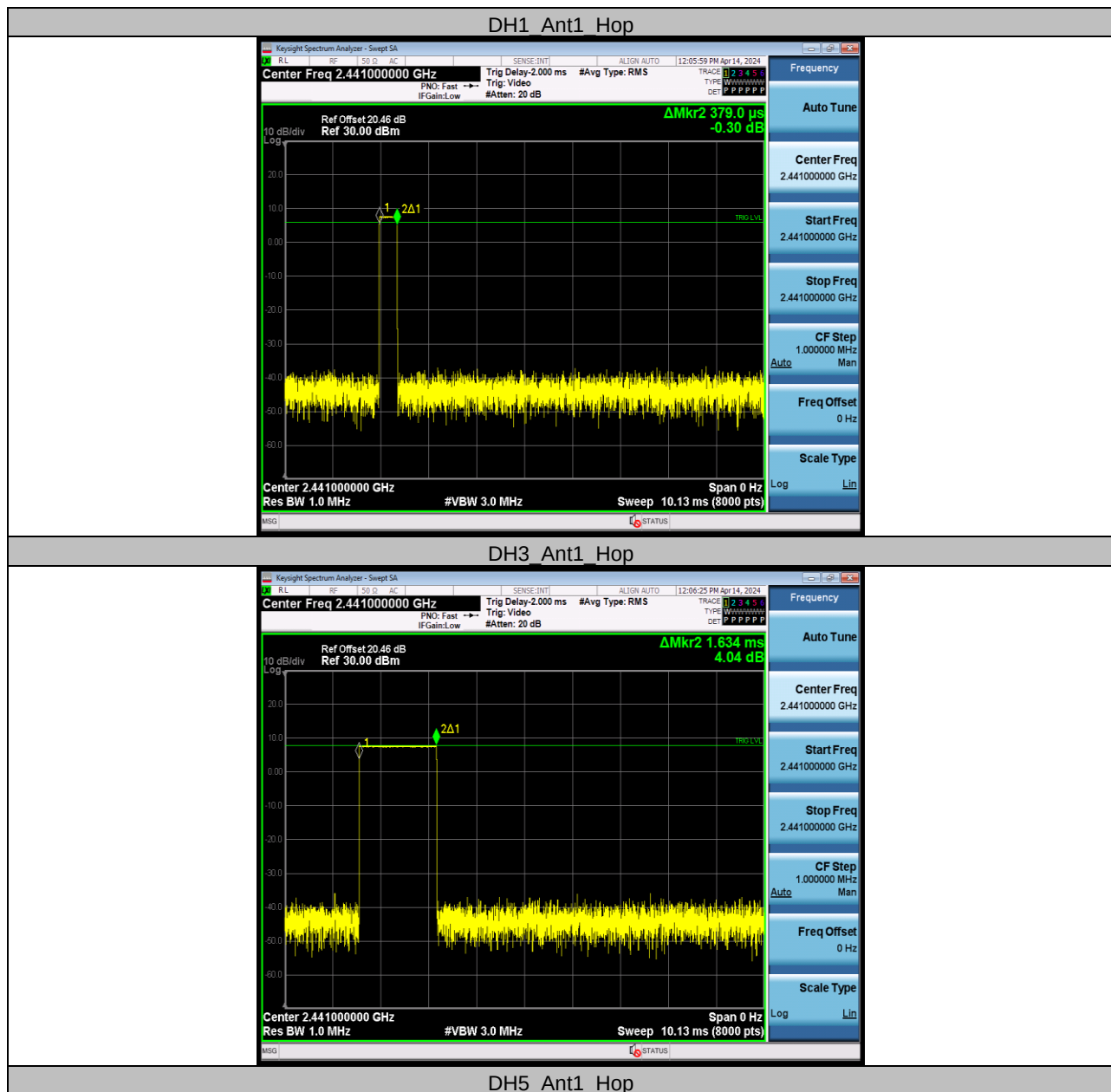
TIME OF OCCUPANCY TEST RESULT

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.379	320	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.634	160	0.261	≤0.4	PASS
DH5	Ant1	Hop	2.883	106.67	0.308	≤0.4	PASS
2DH1	Ant1	Hop	0.385	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.637	160	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.884	106.67	0.308	≤0.4	PASS
3DH1	Ant1	Hop	0.384	320	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.635	160	0.262	≤0.4	PASS
3DH5	Ant1	Hop	2.887	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

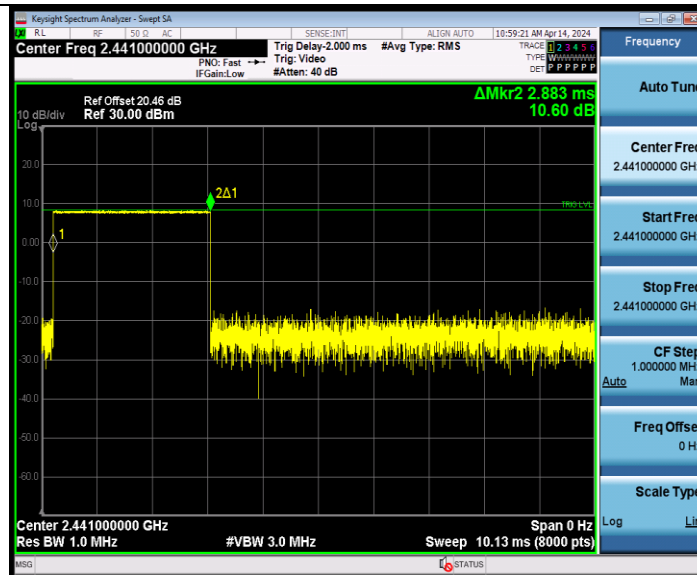
TEST GRAPHS



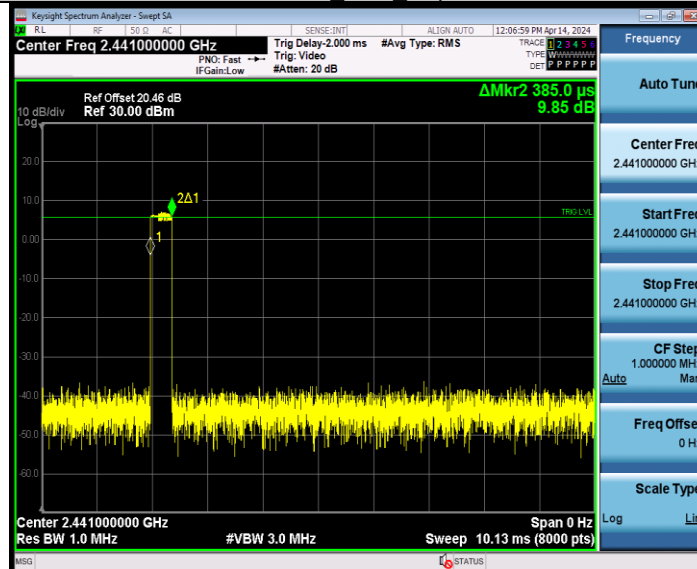


BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



2DH1_Ant1_Hop

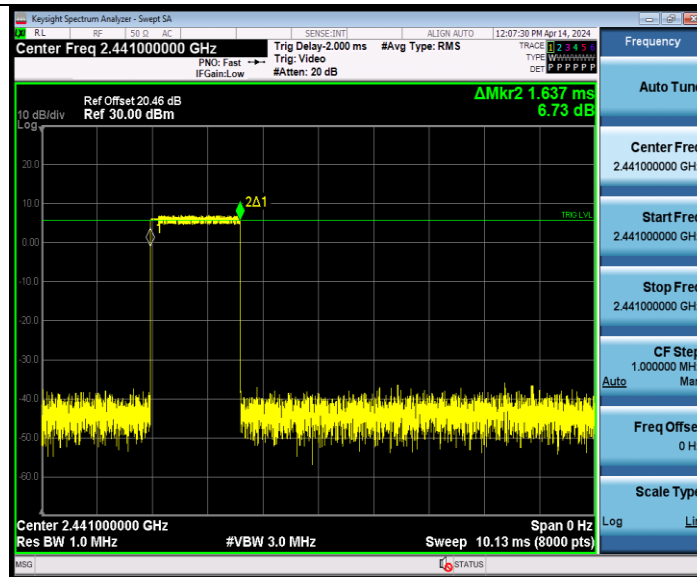


2DH3_Ant1_Hop

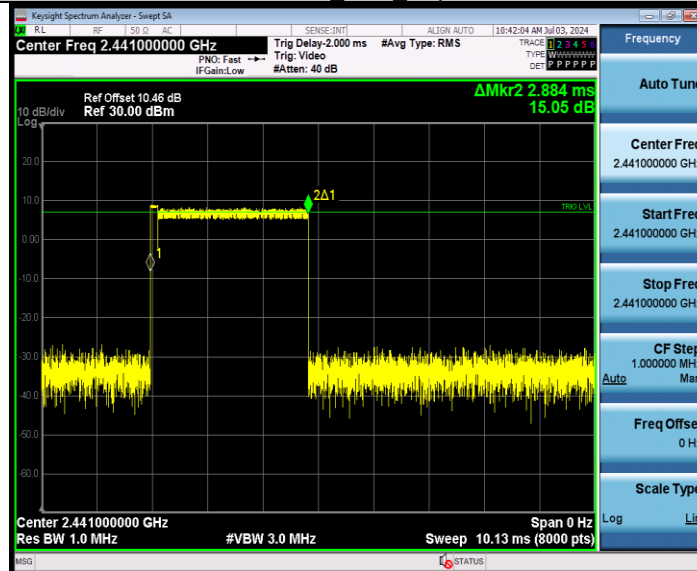


BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



2DH5 Ant1 Hop

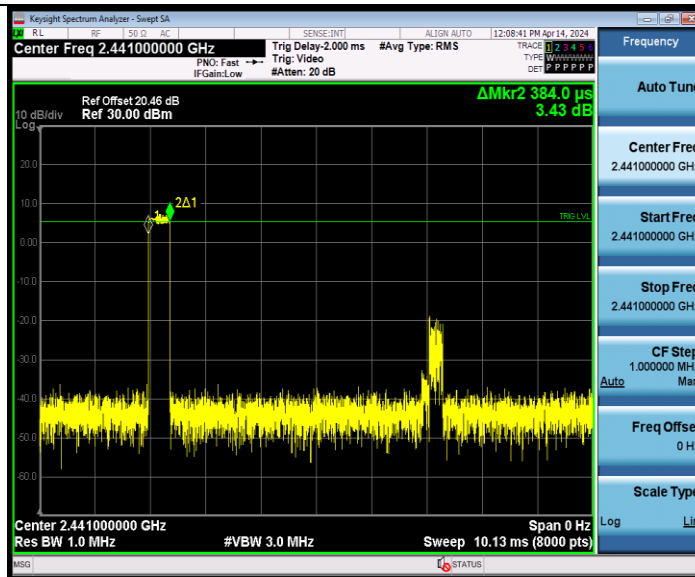


3DH1 Ant1 Hop

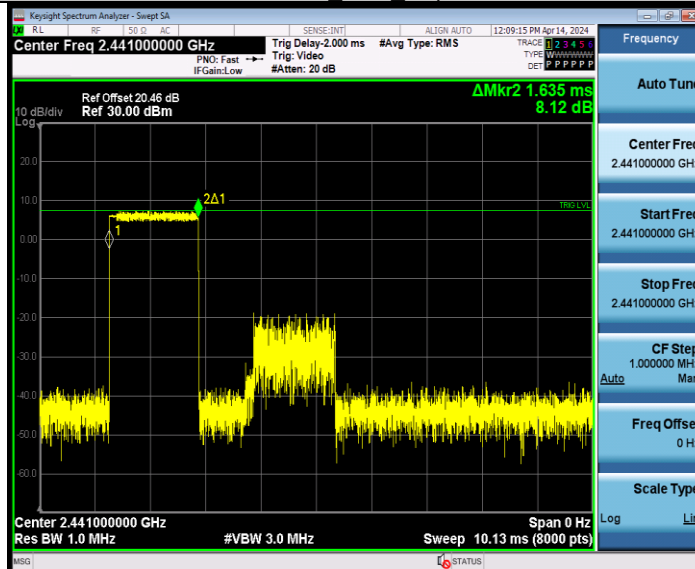


BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



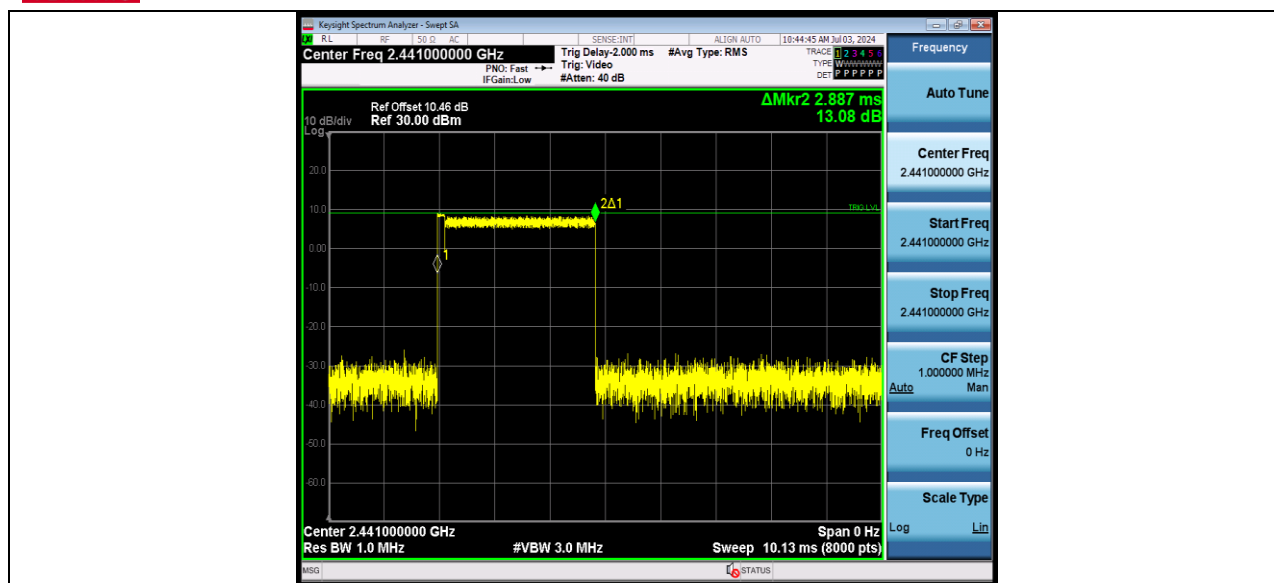
3DH3 Ant1 Hop



3DH5 Ant1 Hop



Reference No.: PSZ-NQN2412090319RF01



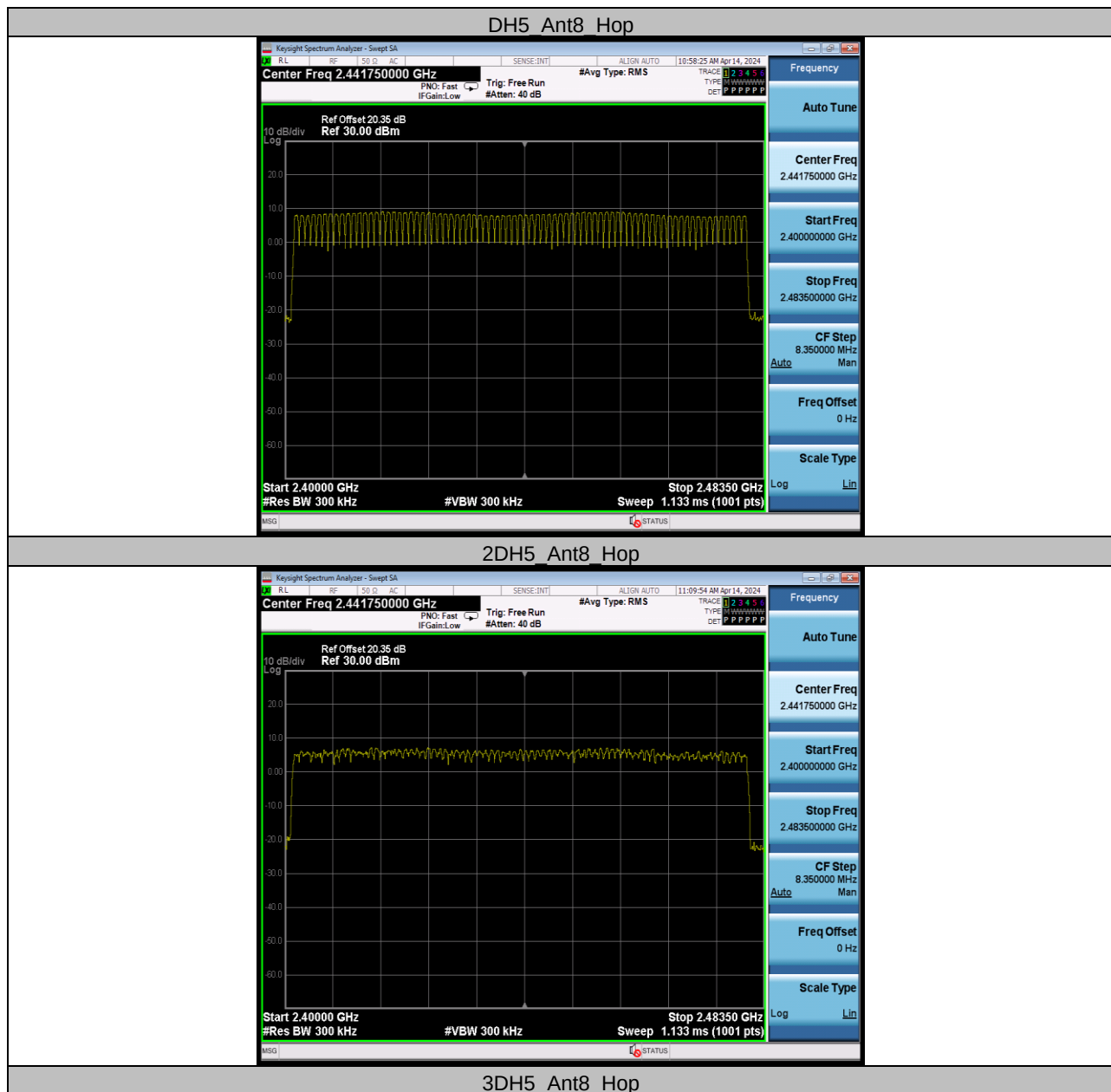


Reference No.: PSZ-NQN2412090319RF01

NUMBER OF HOPPING CHANNELS TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant8	Hop	79	≥ 15	PASS
2DH5	Ant8	Hop	79	≥ 15	PASS
3DH5	Ant8	Hop	79	≥ 15	PASS

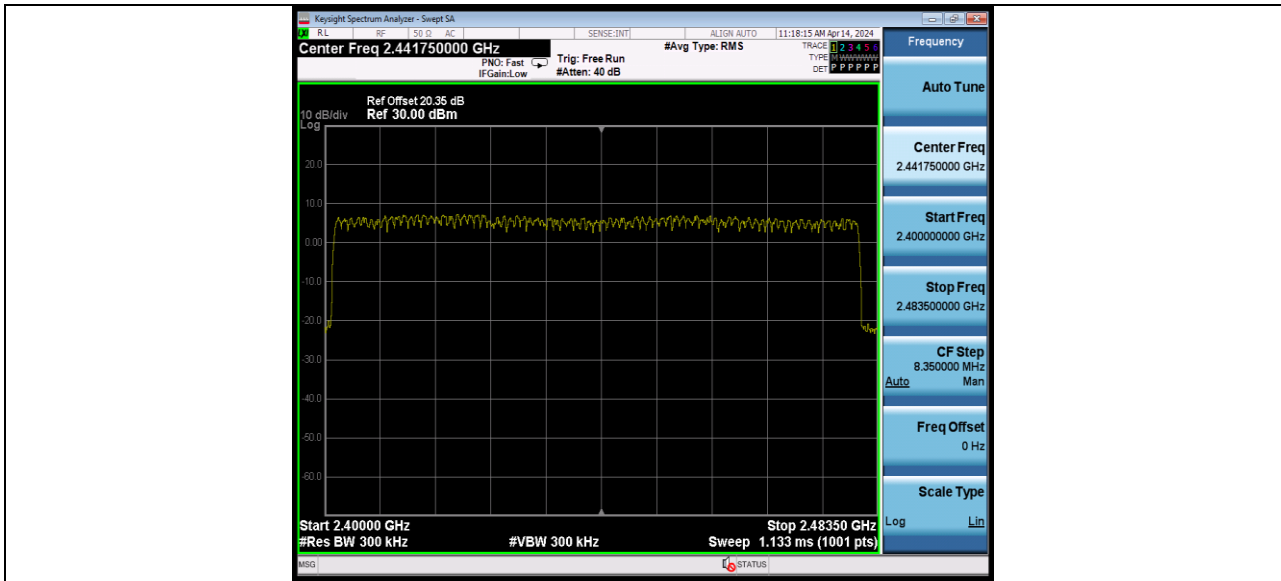
TEST GRAPHS





BUREAU
VERITAS

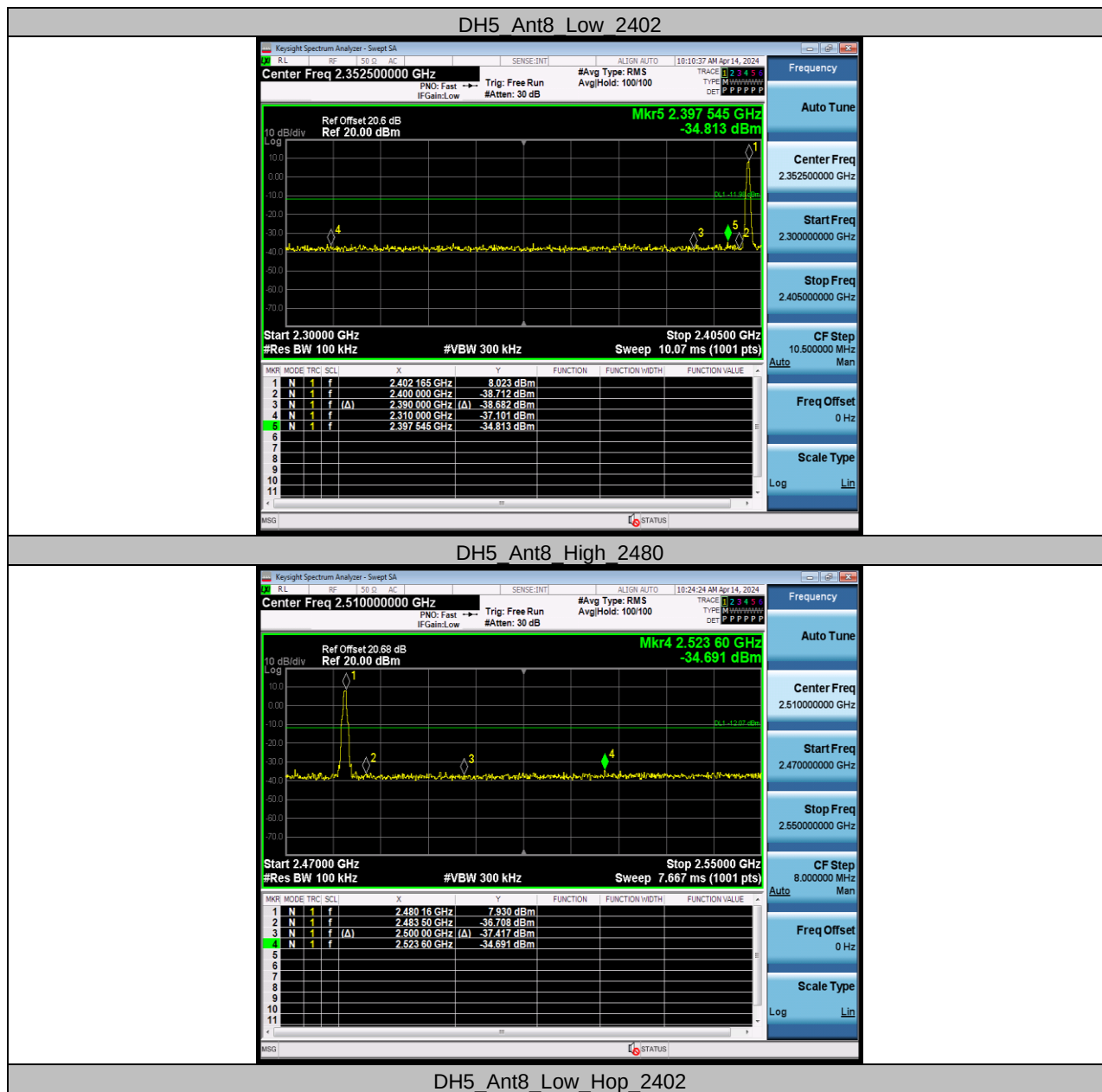
Reference No.: PSZ-NQN2412090319RF01



BAND EDGE MEASUREMENTS TEST RESULT

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant8	Low	2402	8.02	-34.81	≤-11.98	PASS
		High	2480	7.93	-34.69	≤-12.07	PASS
		Low	Hop_2402	7.78	-34.5	≤-12.22	PASS
		High	Hop_2480	7.10	-33.99	≤-12.9	PASS
2DH5	Ant8	Low	2402	6.46	-34.5	≤-13.54	PASS
		High	2480	5.50	-34.64	≤-14.5	PASS
		Low	Hop_2402	3.92	-35.39	≤-16.08	PASS
		High	Hop_2480	3.25	-34.84	≤-16.75	PASS
3DH5	Ant8	Low	2402	6.49	-35.86	≤-13.51	PASS
		High	2480	6.08	-34.47	≤-13.92	PASS
		Low	Hop_2402	1.77	-35.34	≤-18.23	PASS
		High	Hop_2480	3.12	-34.56	≤-16.88	PASS

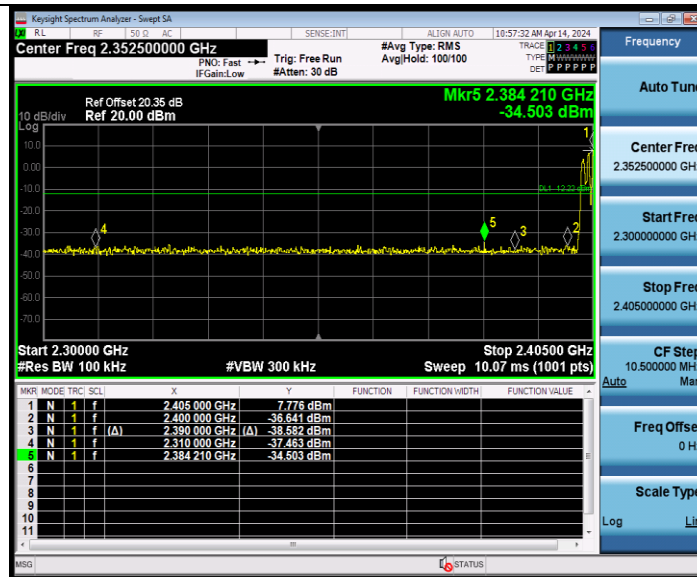
TEST GRAPHS





BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



DH5 Ant8 High Hop 2480

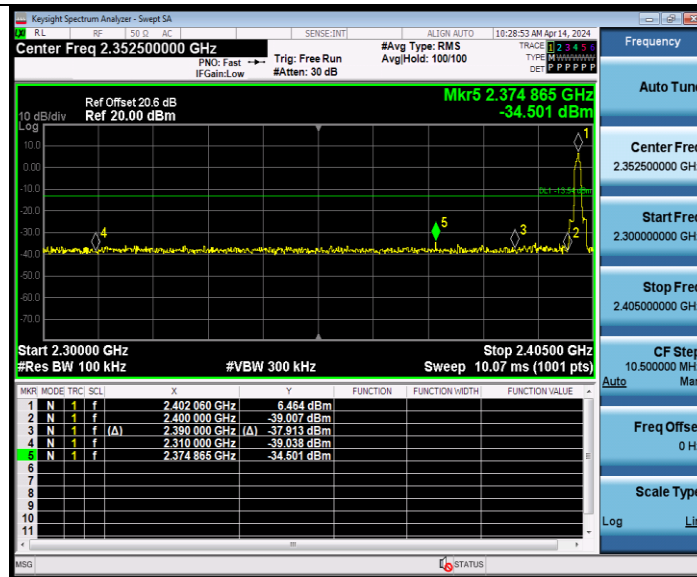


2DH5 Ant8 Low 2402



BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



2DH5 Ant8 High 2480

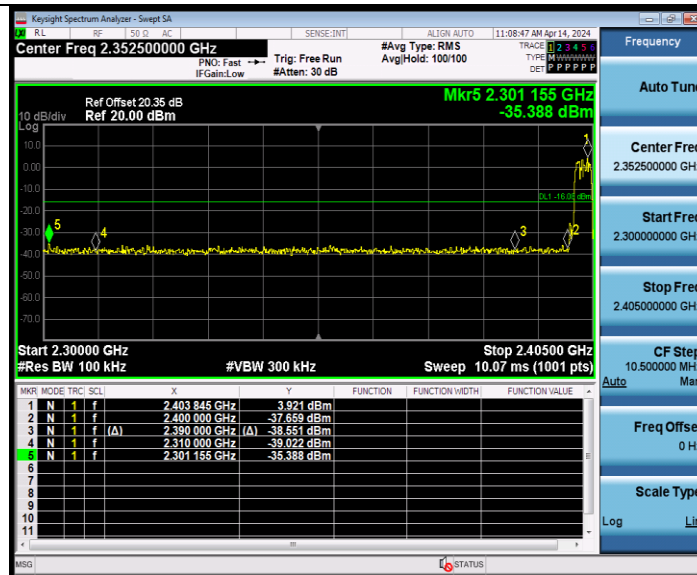


2DH5 Ant8 Low Hop 2402

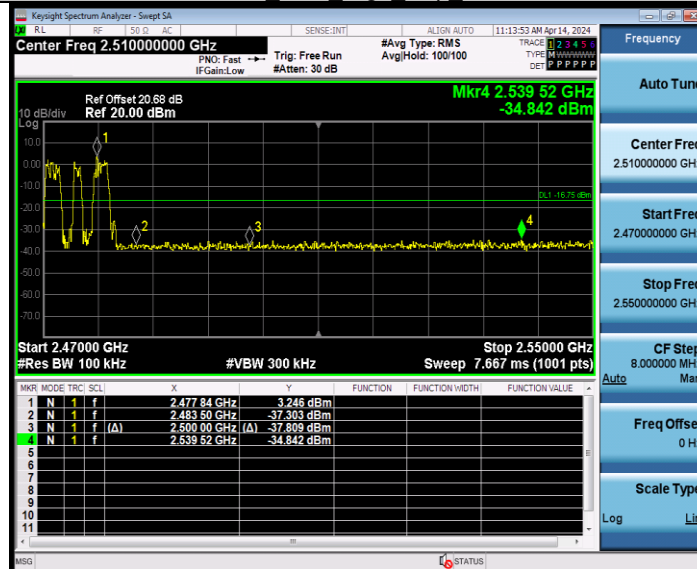


BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



2DH5 Ant8 High Hop 2480

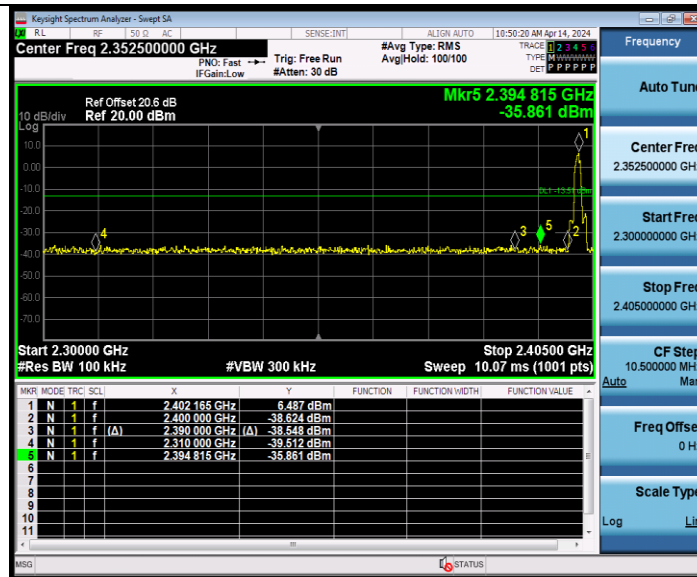


3DH5 Ant8 Low 2402

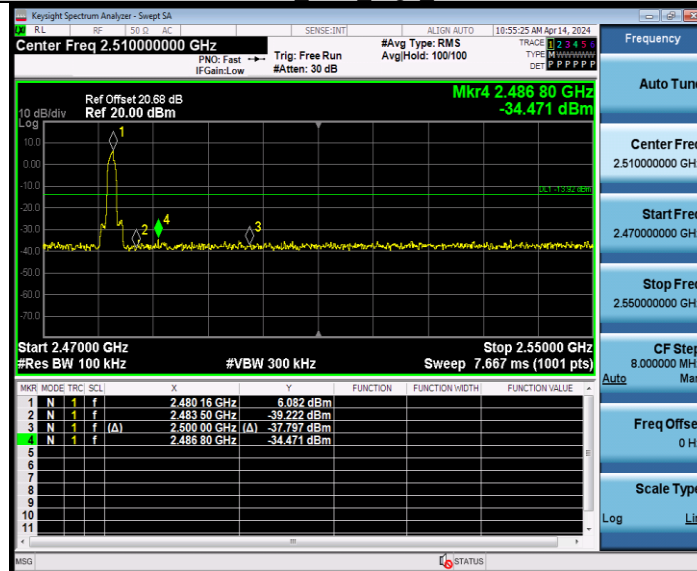


BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



3DH5 Ant8 High 2480

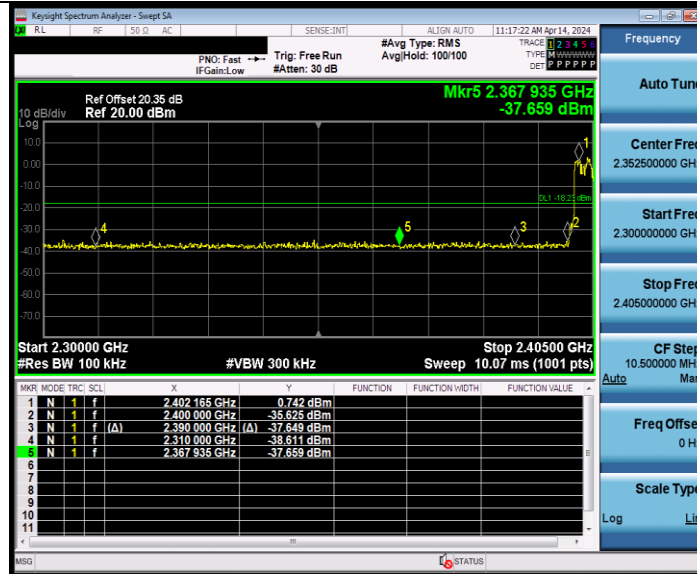


3DH5 Ant8 Low Hop 2402



BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



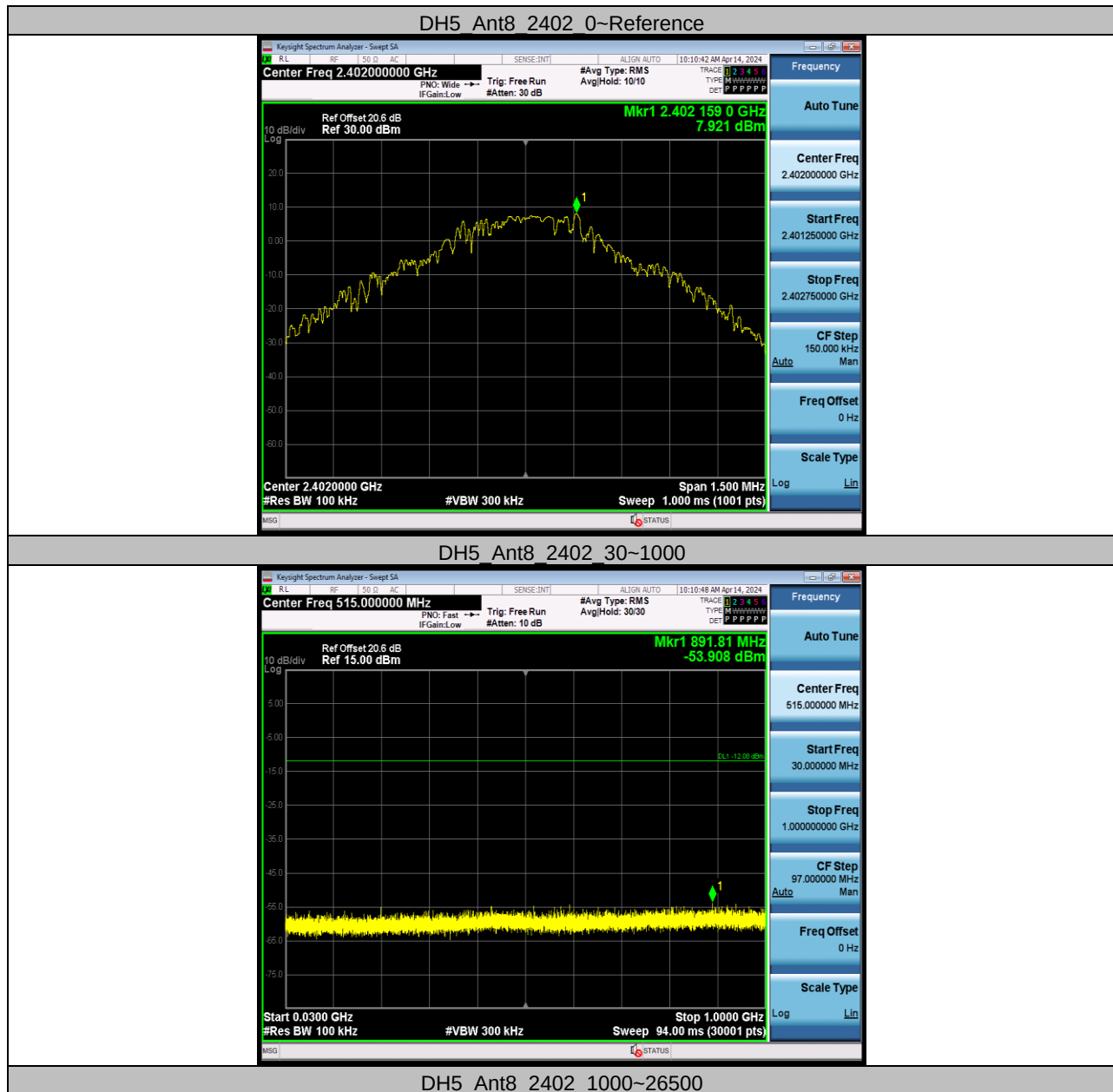
3DH5 Ant8 High Hop 2480



CONDUCTED SPURIOUS EMISSION TEST RESULT

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant8	2402	Reference	7.92	7.92	---	PASS
			30~1000	7.92	-53.91	≤-12.08	PASS
			1000~26500	7.92	-34.14	≤-12.08	PASS
		2441	Reference	7.29	7.29	---	PASS
			30~1000	7.29	-54.99	≤-12.71	PASS
			1000~26500	7.29	-34.9	≤-12.71	PASS
		2480	Reference	7.25	7.25	---	PASS
			30~1000	7.25	-53.69	≤-12.75	PASS
			1000~26500	7.25	-35.23	≤-12.75	PASS
2DH5	Ant8	2402	Reference	4.11	4.11	---	PASS
			30~1000	4.11	-54.21	≤-15.89	PASS
			1000~26500	4.11	-34.83	≤-15.89	PASS
		2441	Reference	5.80	5.80	---	PASS
			30~1000	5.80	-54.73	≤-14.2	PASS
			1000~26500	5.80	-35.18	≤-14.2	PASS
		2480	Reference	4.28	4.28	---	PASS
			30~1000	4.28	-53.29	≤-15.72	PASS
			1000~26500	4.28	-33.96	≤-15.72	PASS
3DH5	Ant8	2402	Reference	5.13	5.13	---	PASS
			30~1000	5.13	-53.88	≤-14.87	PASS
			1000~26500	5.13	-34.82	≤-14.87	PASS
		2441	Reference	5.59	5.59	---	PASS
			30~1000	5.59	-54	≤-14.41	PASS
			1000~26500	5.59	-32.79	≤-14.41	PASS
		2480	Reference	5.63	5.63	---	PASS
			30~1000	5.63	-54.15	≤-14.37	PASS
			1000~26500	5.63	-34.77	≤-14.37	PASS

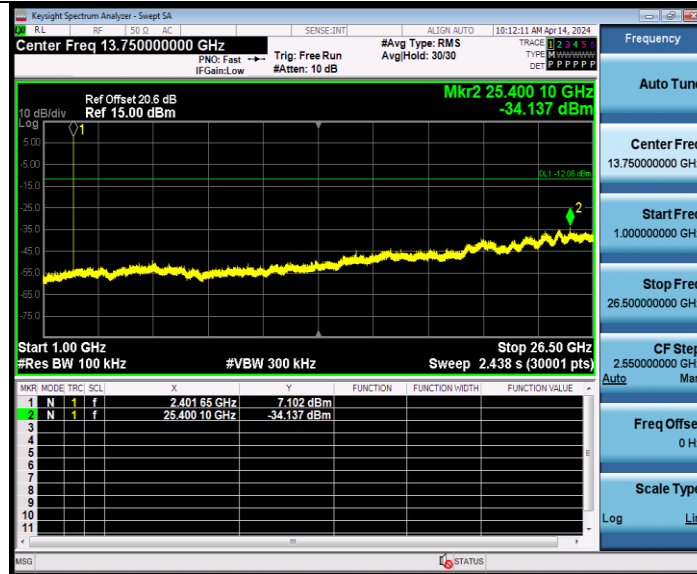
TEST GRAPHS





BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



DH5_Ant8_2441_0~Reference



DH5_Ant8_2441_30~1000

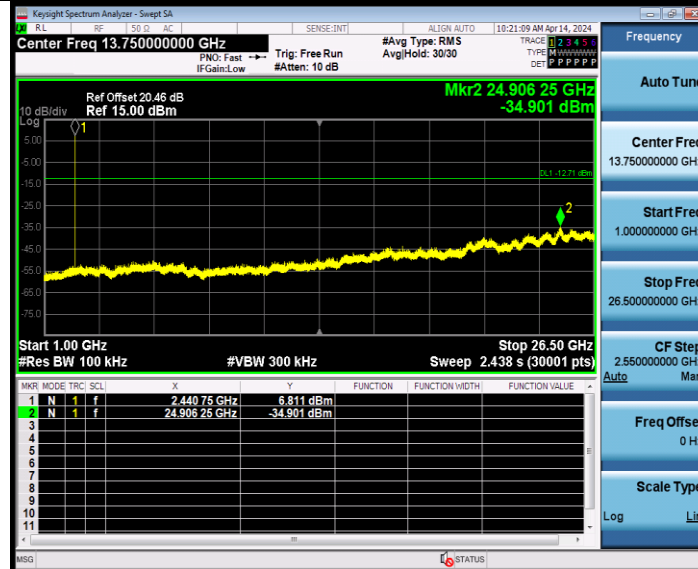


BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



DH5_Ant8_2441_1000~26500



DH5_Ant8_2480_0~Reference

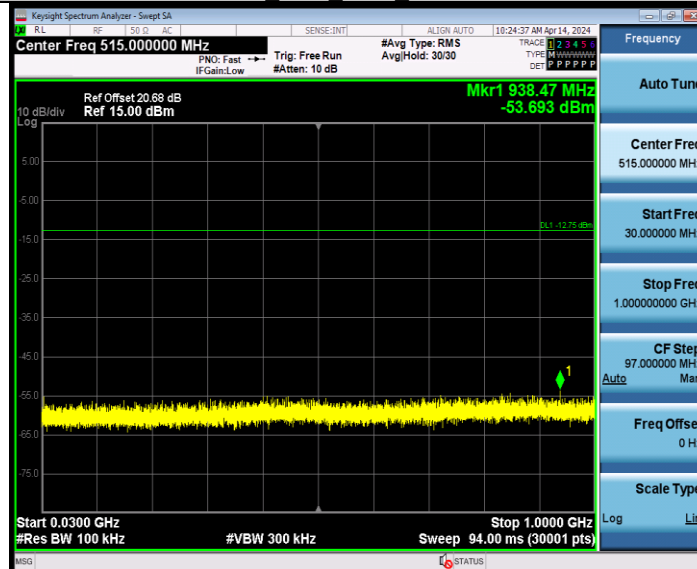


BUREAU
VERITAS

Reference No.: PSZ-NQN2412090319RF01



DH5_Ant8_2480_30~1000



DH5_Ant8_2480_1000~26500