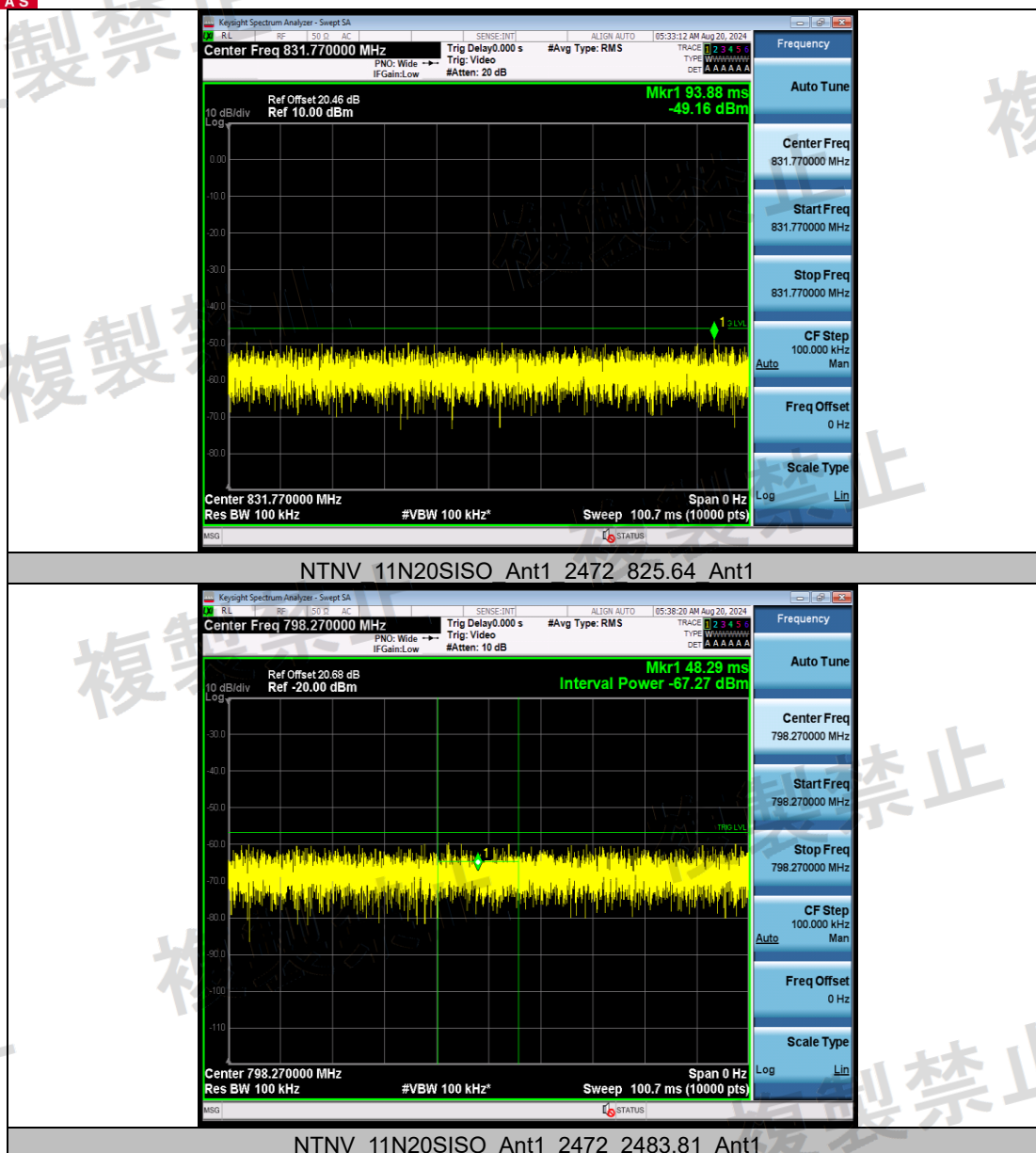




BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

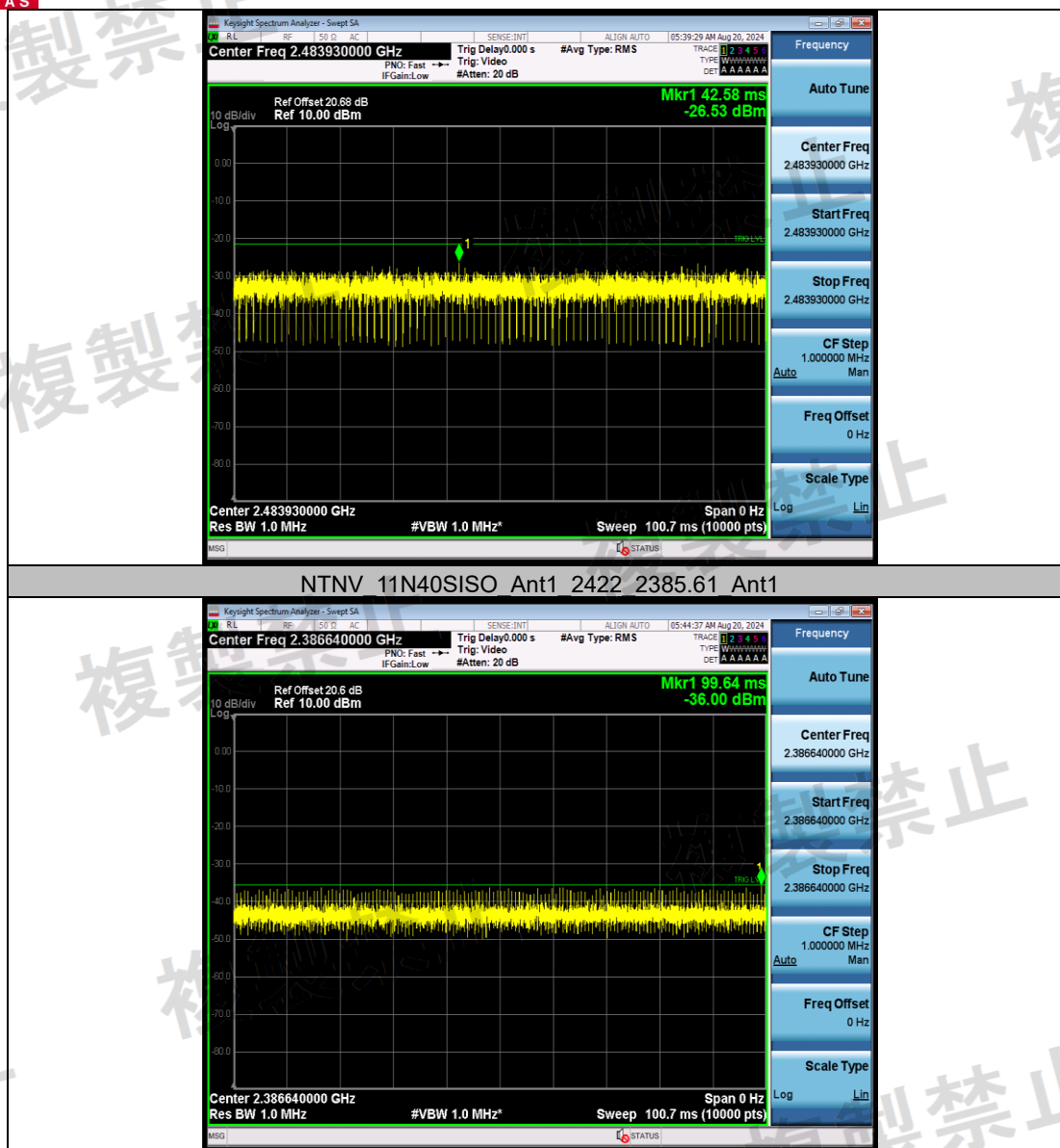
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03

SPURIOUS EMISSION OF RX TEST RESULT

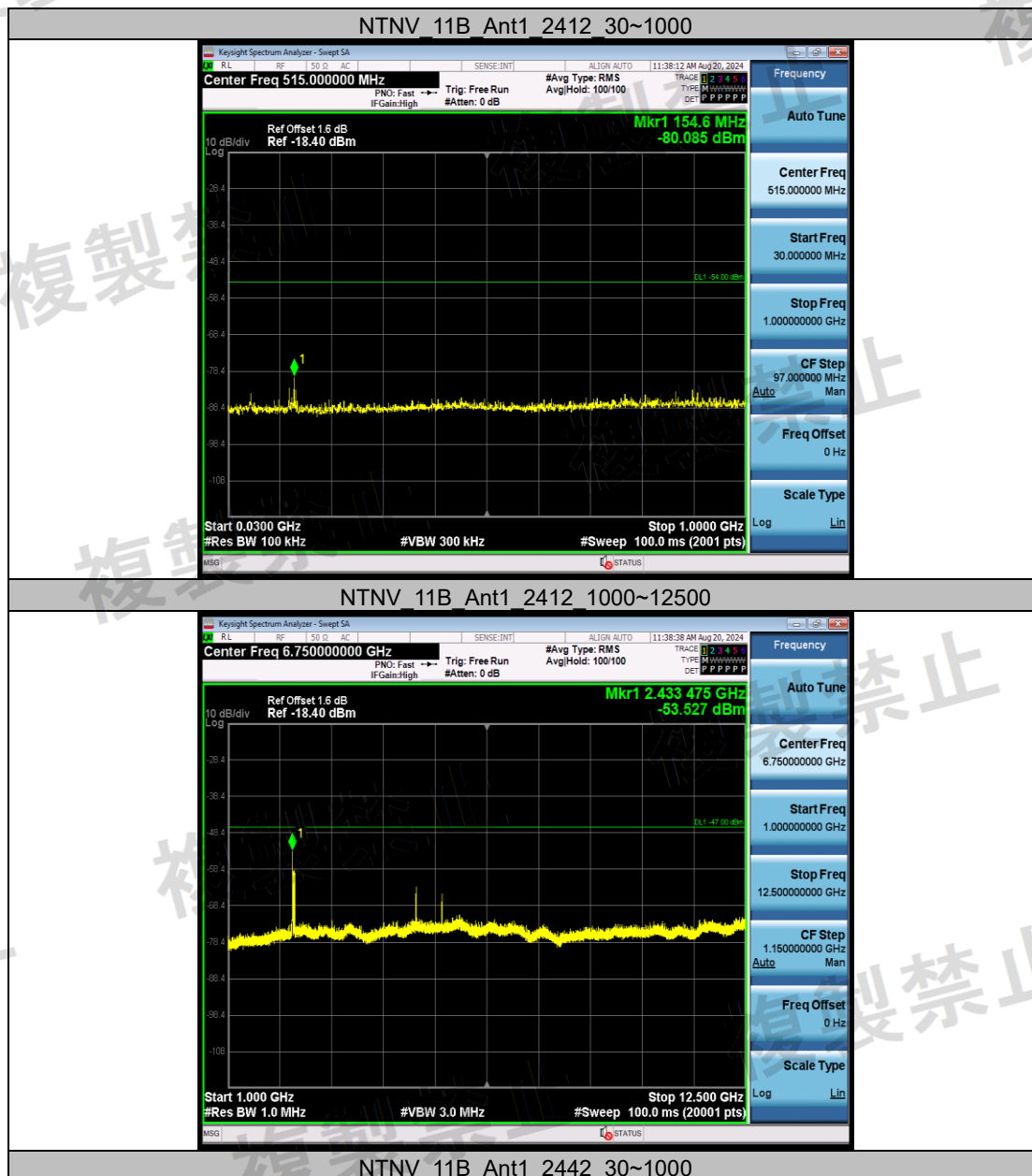
TestCondition	TestMode	Antenna	Channel (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	11B	Ant1	2412	30~1000	154.65	-80.09	≤-54	0.00979	≤4	PASS
				1000~12500	2433.48	-53.53	≤-47	4.43609	≤20	PASS
			2442	30~1000	154.65	-79.66	≤-54	0.01081	≤4	PASS
				1000~12500	2460.50	-50.42	≤-47	9.07821	≤20	PASS
			2472	30~1000	414.12	-85.04	≤-54	0.00313	≤4	PASS
				1000~12500	2477.18	-56.86	≤-47	2.06063	≤20	PASS
	11G	Ant1	2412	30~1000	909.79	-82.81	≤-54	0.00524	≤4	PASS
				1000~12500	2478.33	-49.15	≤-47	12.1618 6	≤20	PASS
			2442	30~1000	909.79	-83.59	≤-54	0.00438	≤4	PASS
				1000~12500	2460.50	-52.16	≤-47	6.08135	≤20	PASS
			2472	30~1000	153.19	-77.85	≤-54	0.01641	≤4	PASS
				1000~12500	1724.50	-50.63	≤-47	8.64968	≤20	PASS
	11N20SI SO	Ant1	2412	30~1000	909.79	-83.52	≤-54	0.00445	≤4	PASS
				1000~12500	2430.60	-52.76	≤-47	5.29663	≤20	PASS
			2442	30~1000	153.19	-76.84	≤-54	0.02070	≤4	PASS
				1000~12500	2453.60	-51.33	≤-47	7.36207	≤20	PASS
			2472	30~1000	909.79	-82.19	≤-54	0.00604	≤4	PASS
				1000~12500	2460.50	-49.69	≤-47	10.7398 9	≤20	PASS
	11N40SI SO	Ant1	2422	30~1000	155.13	-81.85	≤-54	0.00653	≤4	PASS
				1000~12500	2459.35	-51.98	≤-47	6.33870	≤20	PASS
			2442	30~1000	153.68	-80.46	≤-54	0.00899	≤4	PASS
				1000~12500	2433.48	-52.13	≤-47	6.12350	≤20	PASS
			2462	30~1000	153.19	-77.57	≤-54	0.01750	≤4	PASS
				1000~12500	2433.48	-52.50	≤-47	5.62341	≤20	PASS



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03

TEST GRAPHS



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

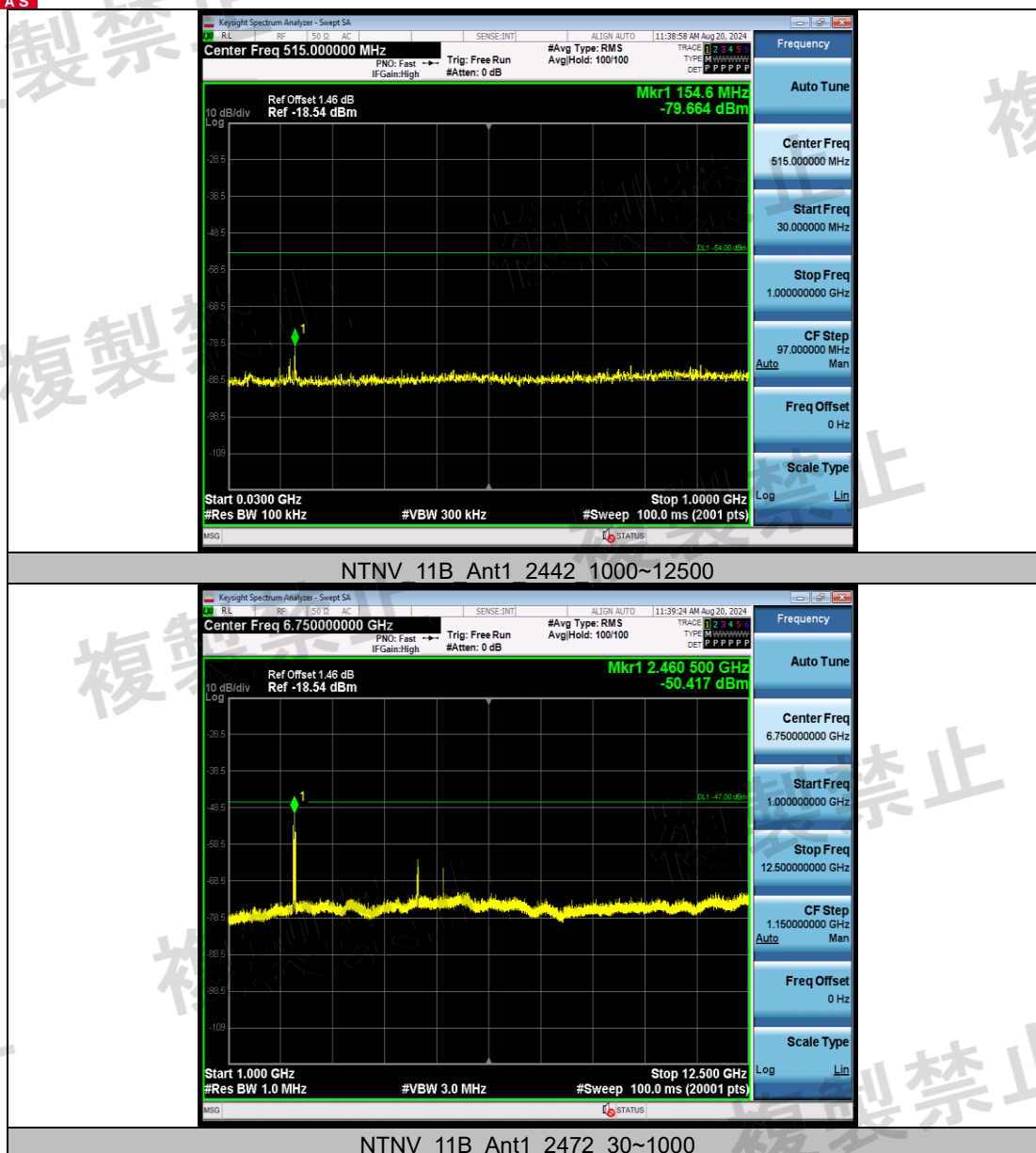
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

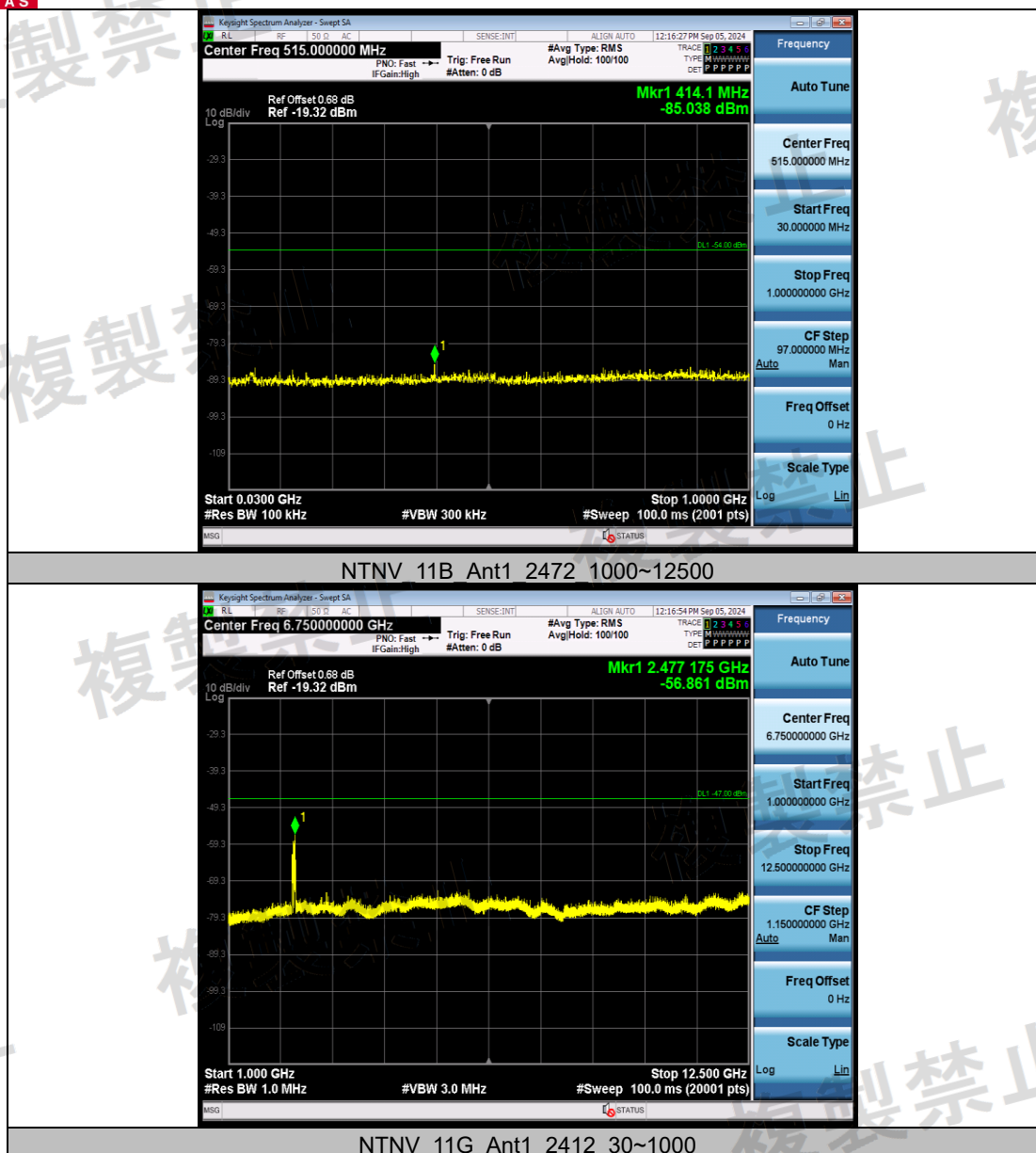
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

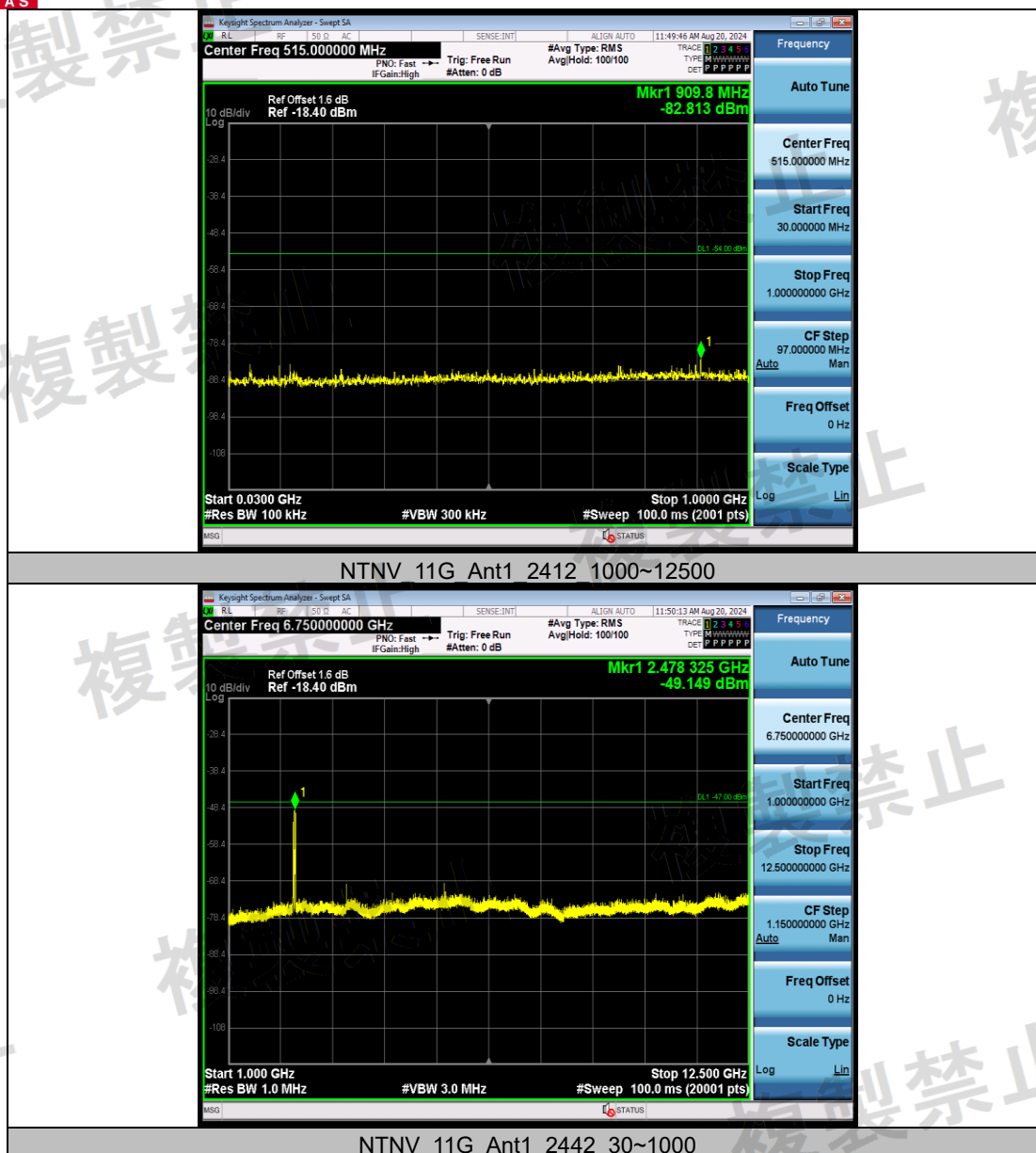
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

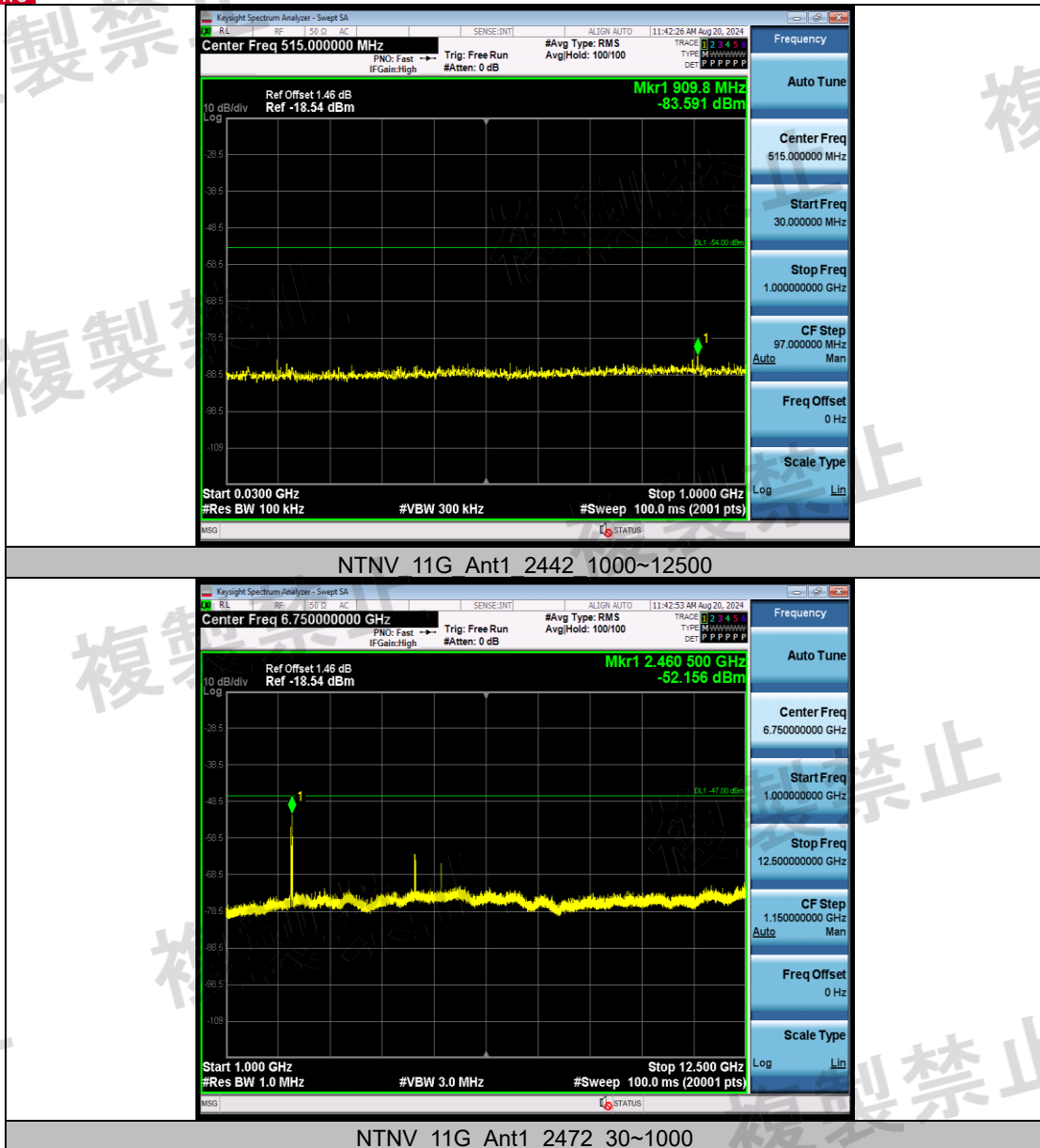
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

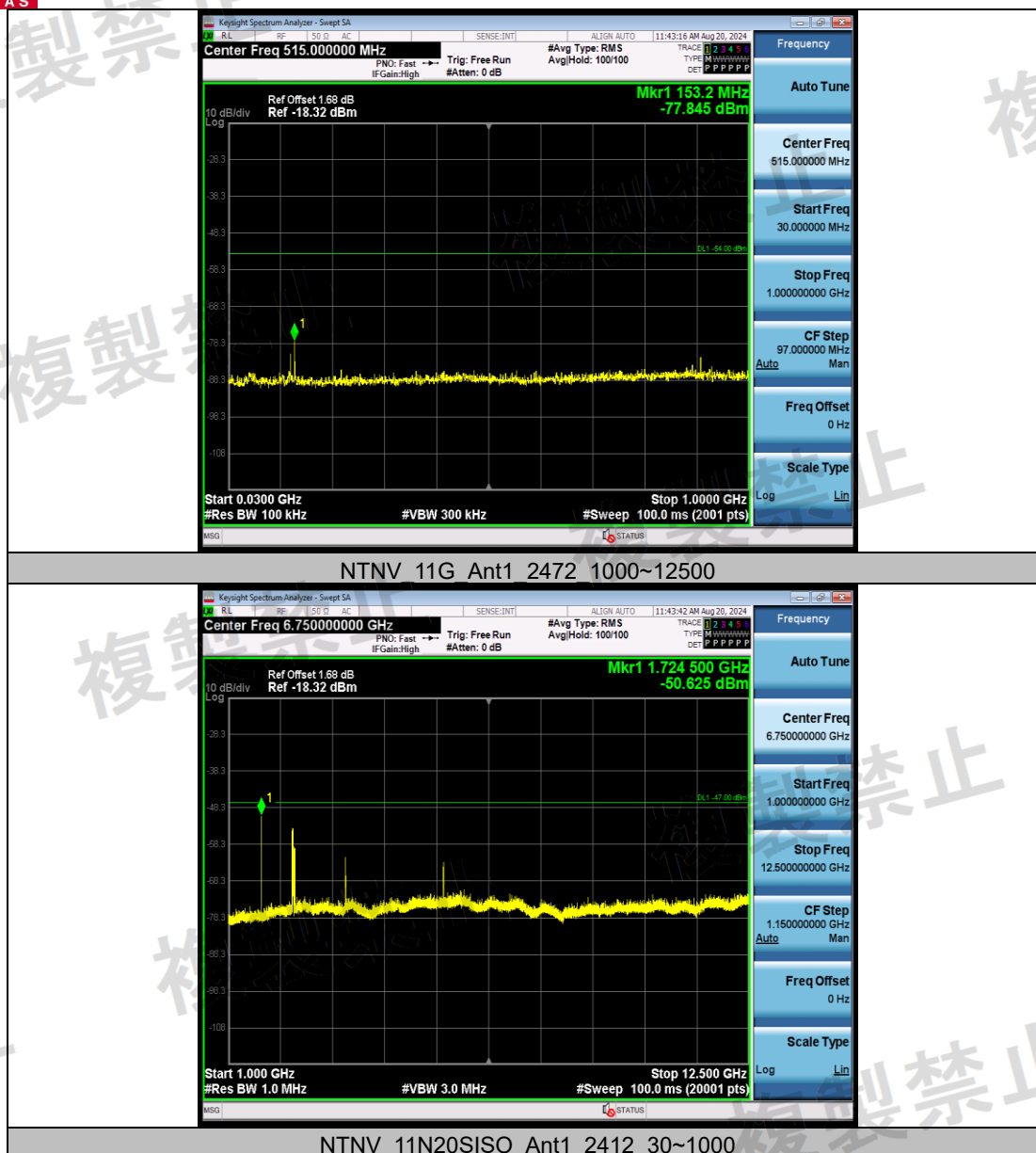
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

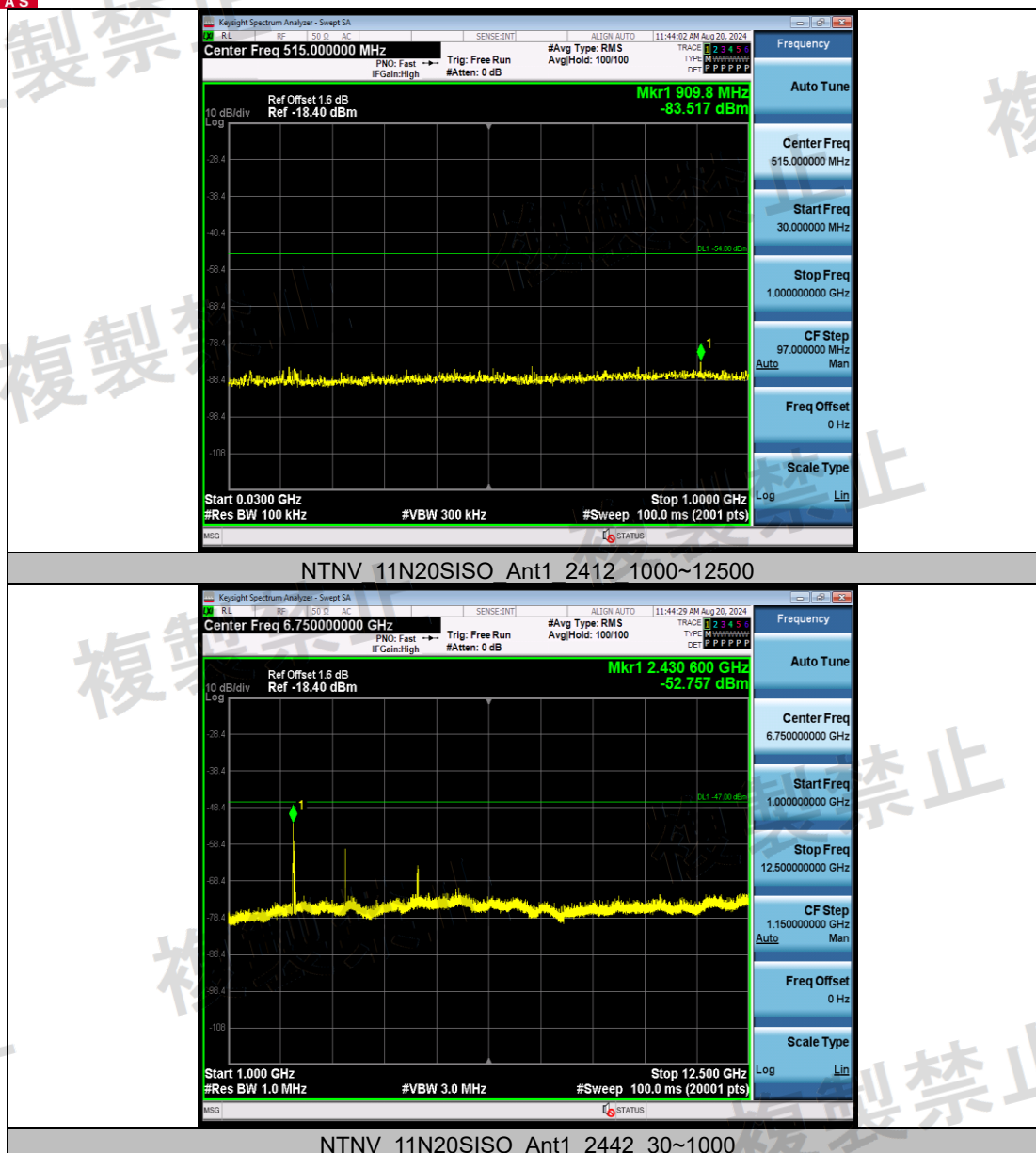
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

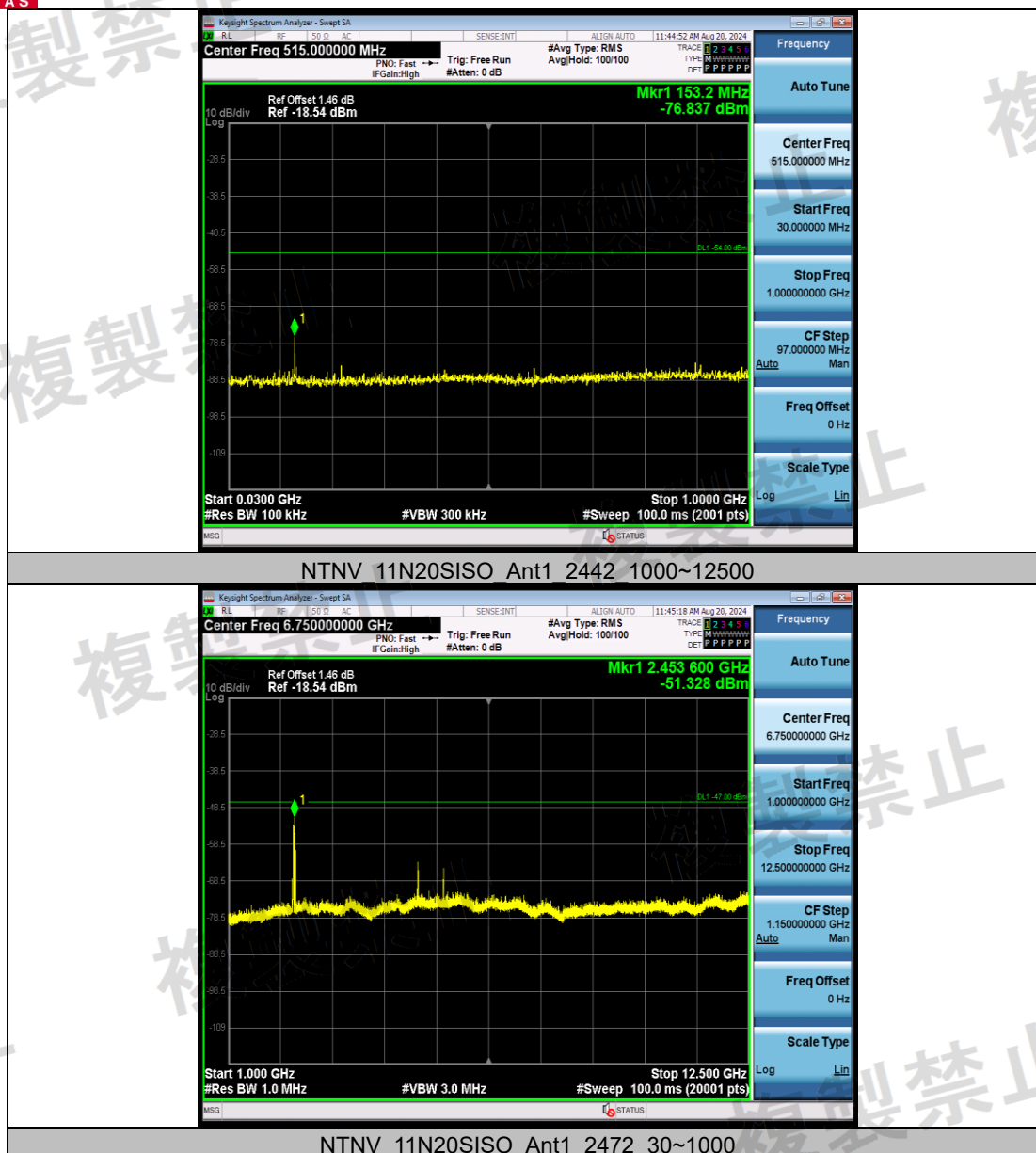
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

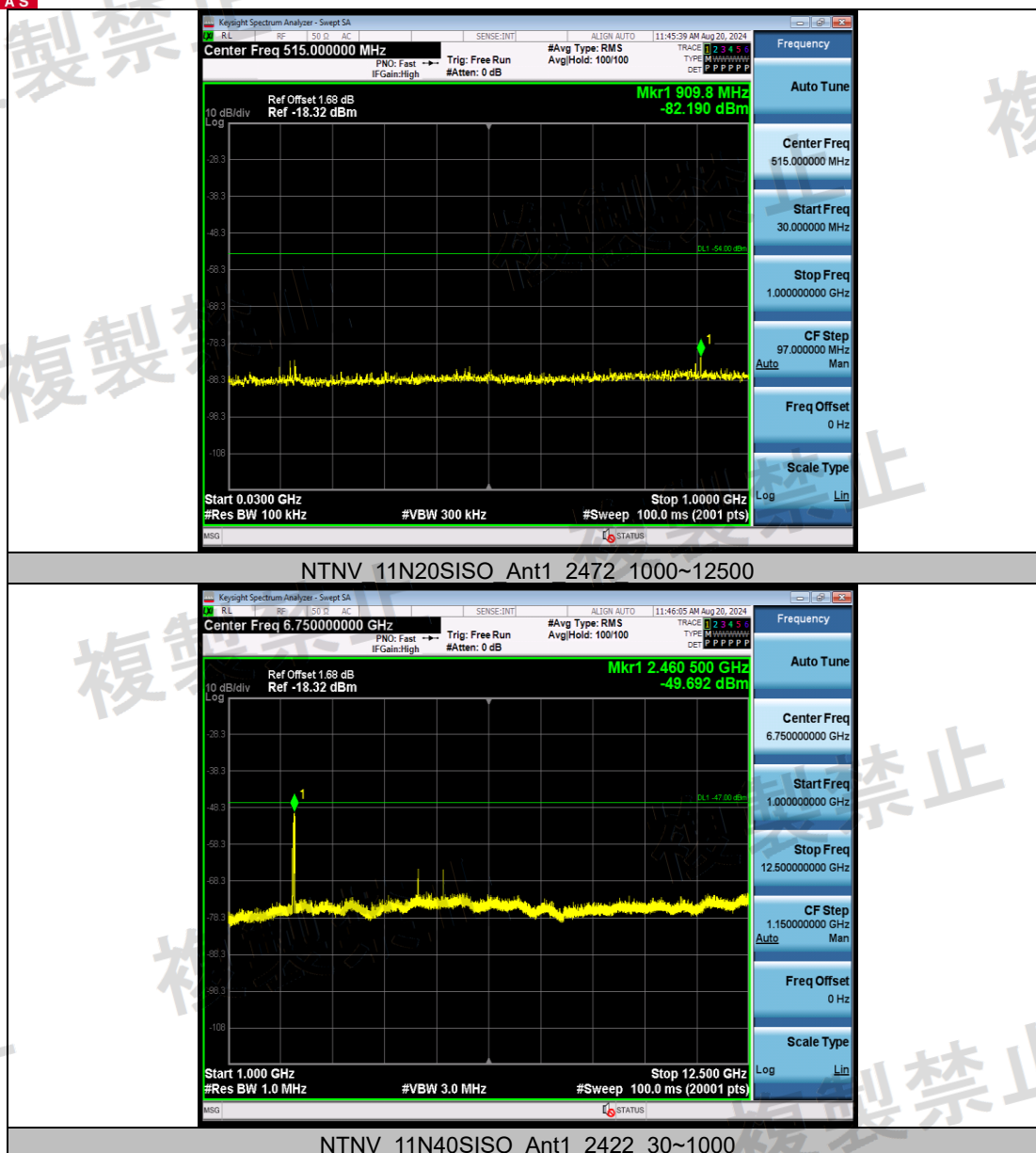
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

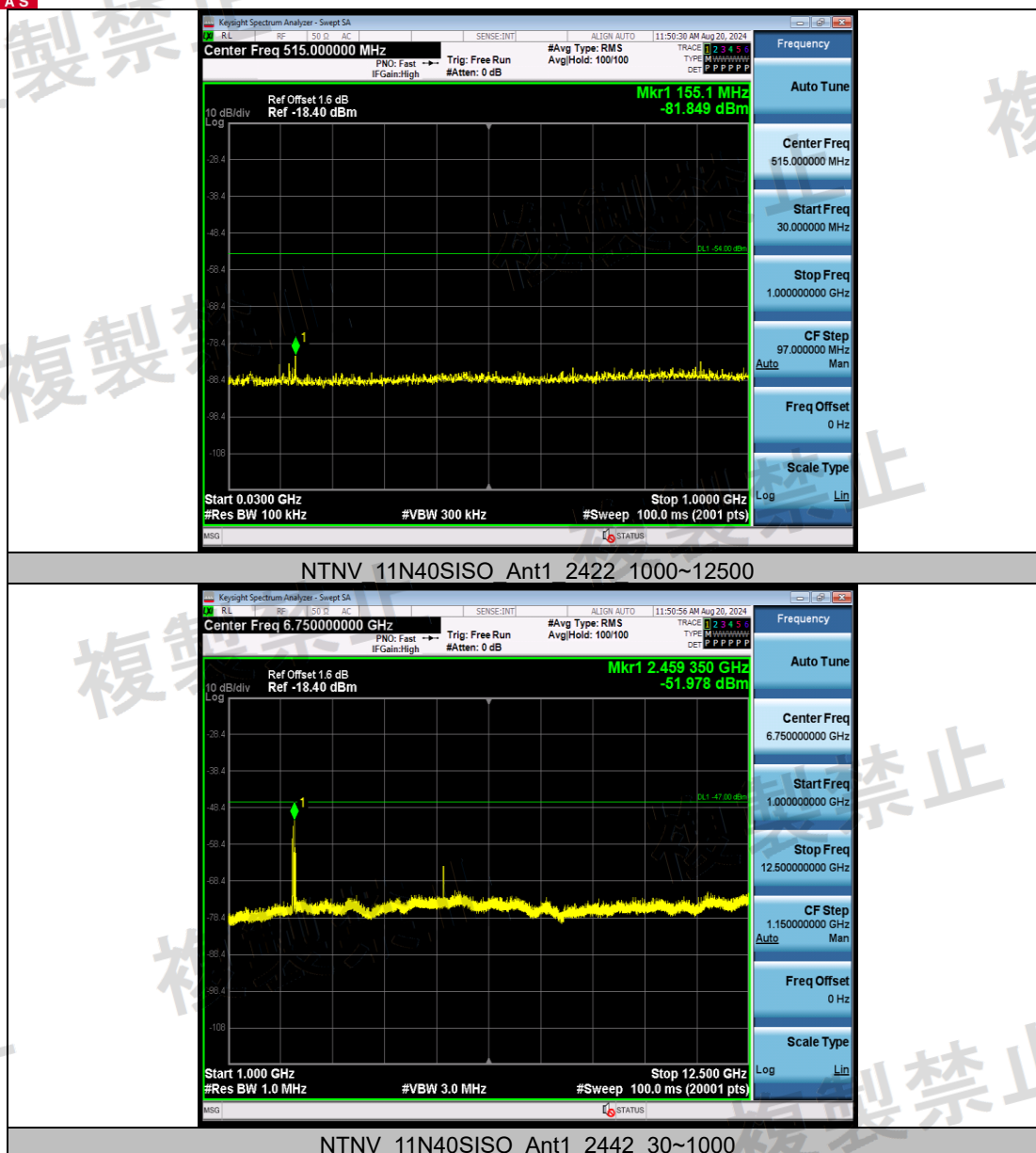
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

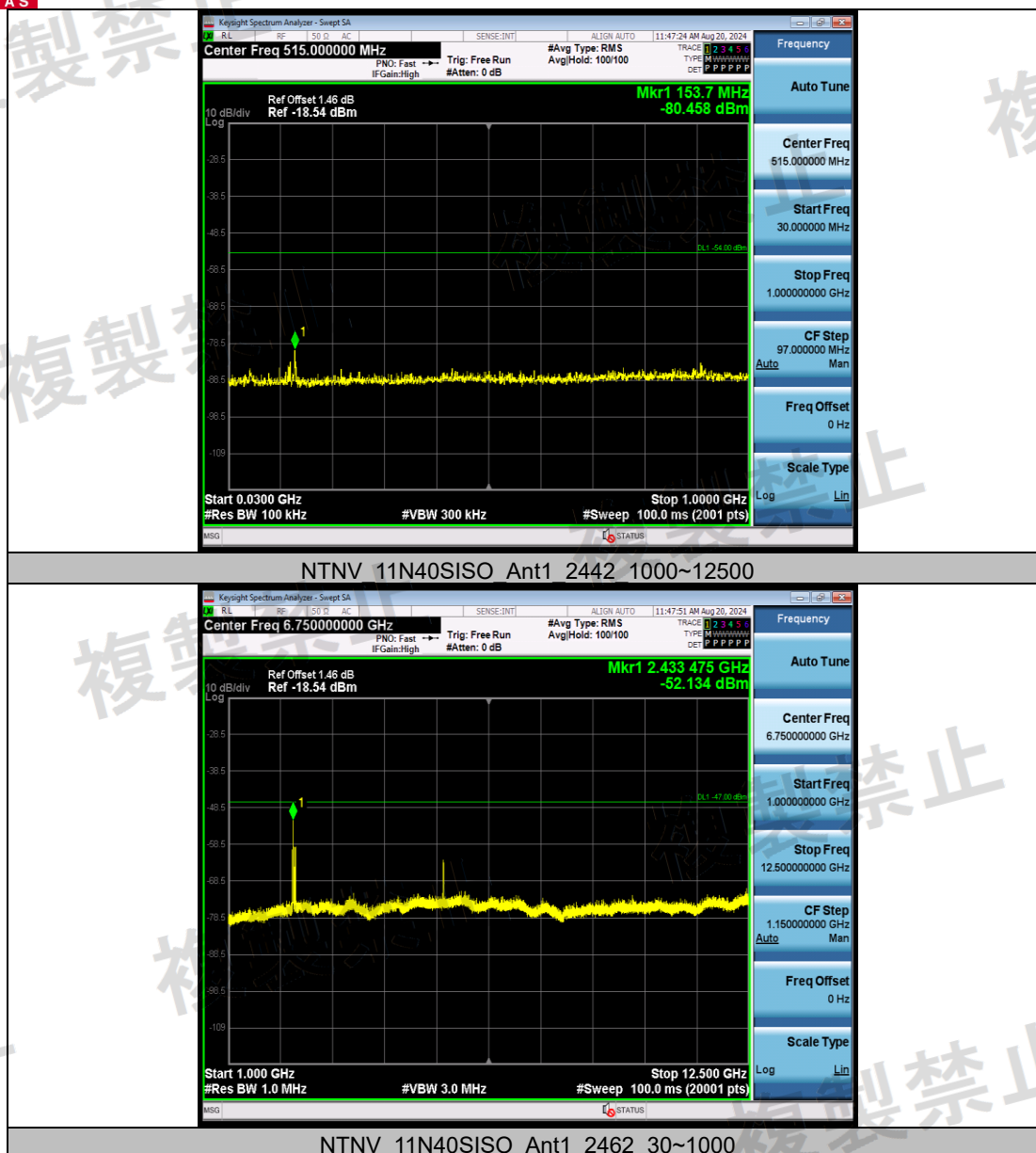
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

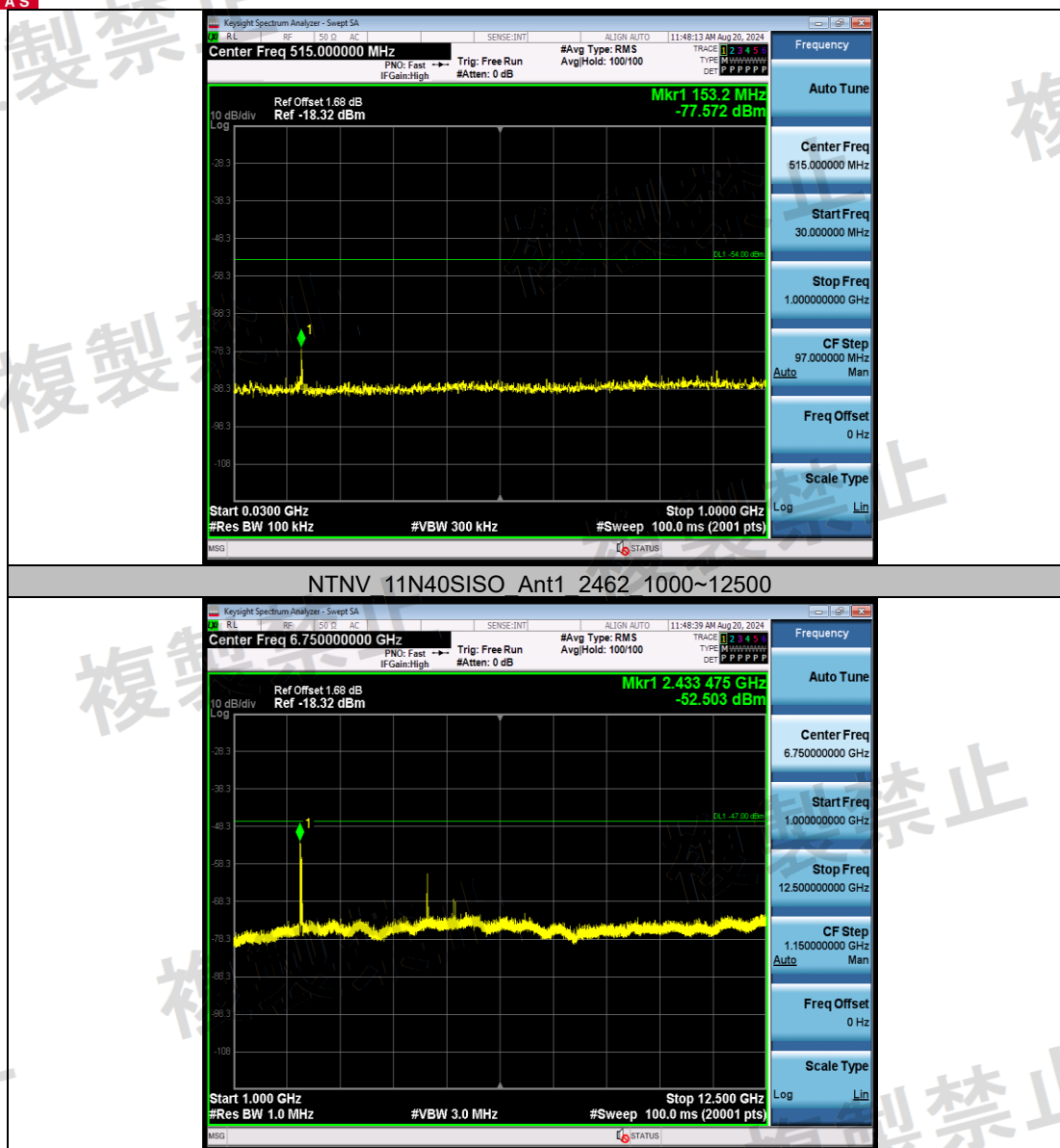
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03

DUTY CYCLE

TEST RESULT

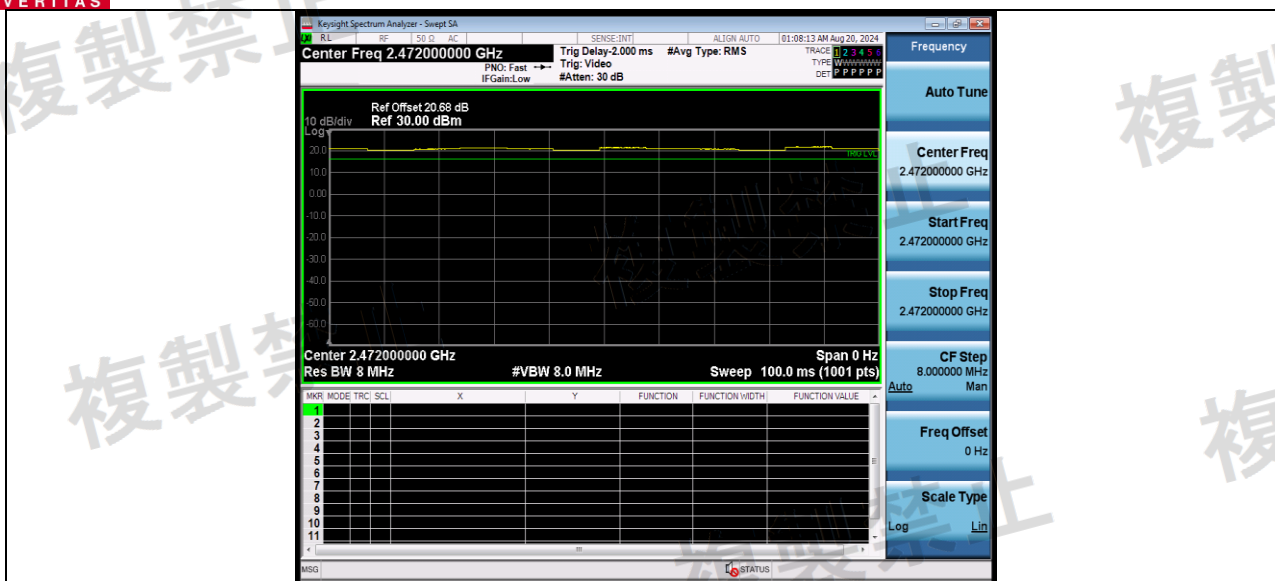
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Verdict
11B	Ant1	2412	100.00	100.00	100.00	---
		2442	100.00	100.00	100.00	---
		2472	100.00	100.00	100.00	---
11G	Ant1	2412	100.00	100.00	100.00	---
		2442	100.00	100.00	100.00	---
		2472	100.00	100.00	100.00	---
11N20SISO	Ant1	2412	100.00	100.00	100.00	---
		2442	100.00	100.00	100.00	---
		2472	100.00	100.00	100.00	---
11N40SISO	Ant1	2422	100.00	100.00	100.00	---
		2442	100.00	100.00	100.00	---
		2462	100.00	100.00	100.00	---



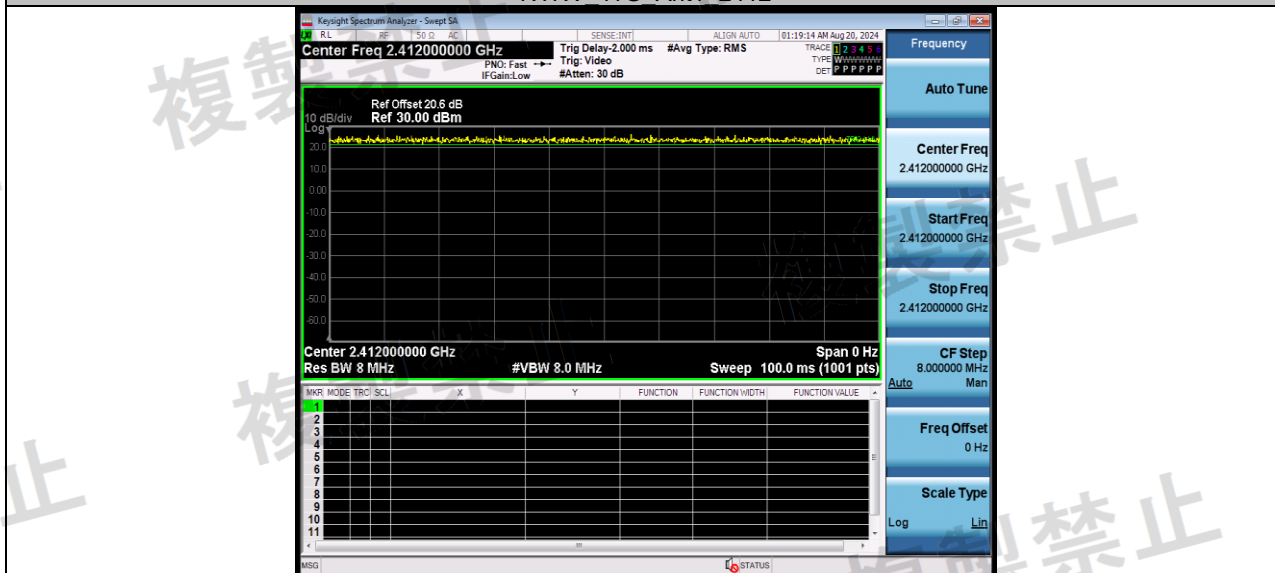


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV 11G Ant1 2412



NTNV 11G Ant1 2442

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

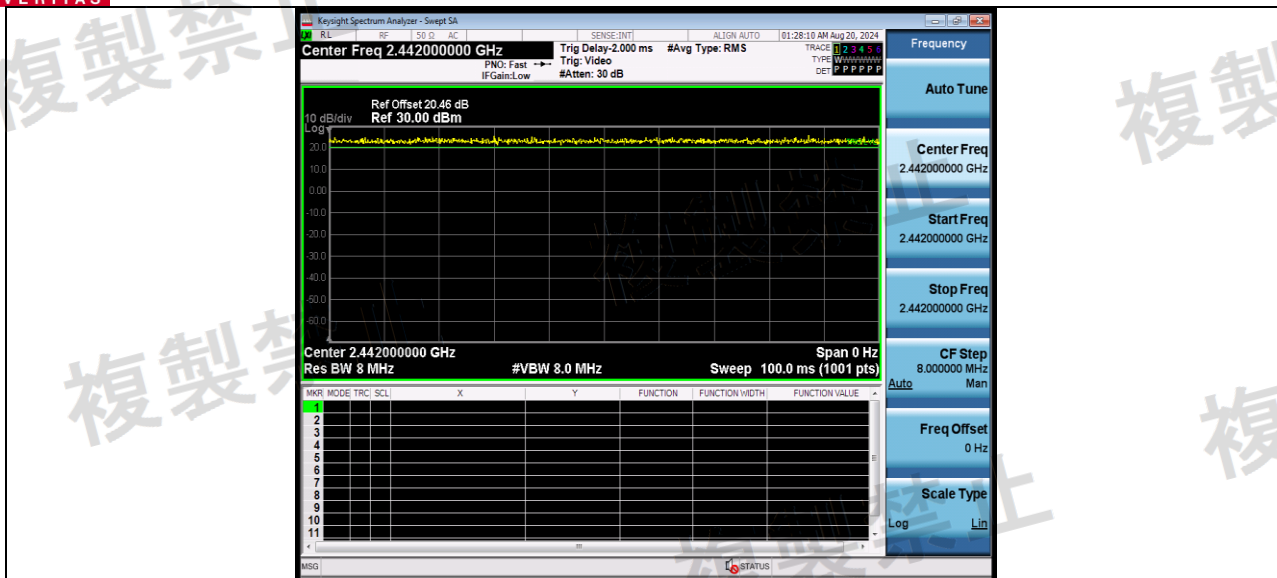
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

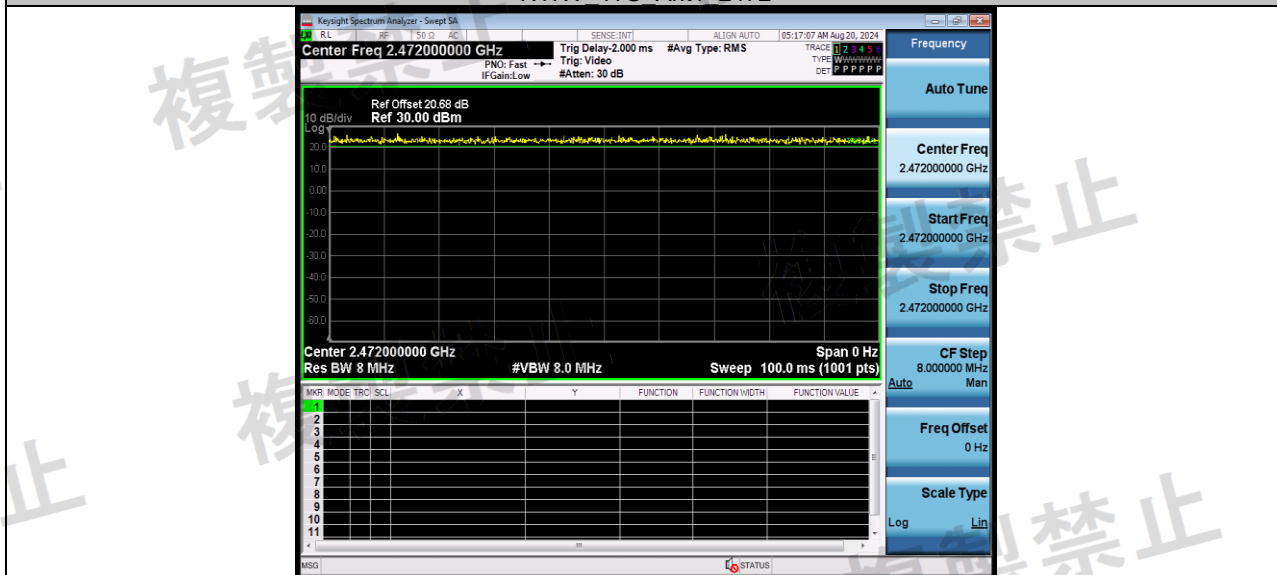


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV 11G Ant1 2472



NTNV 11N20SISO Ant1 2412

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

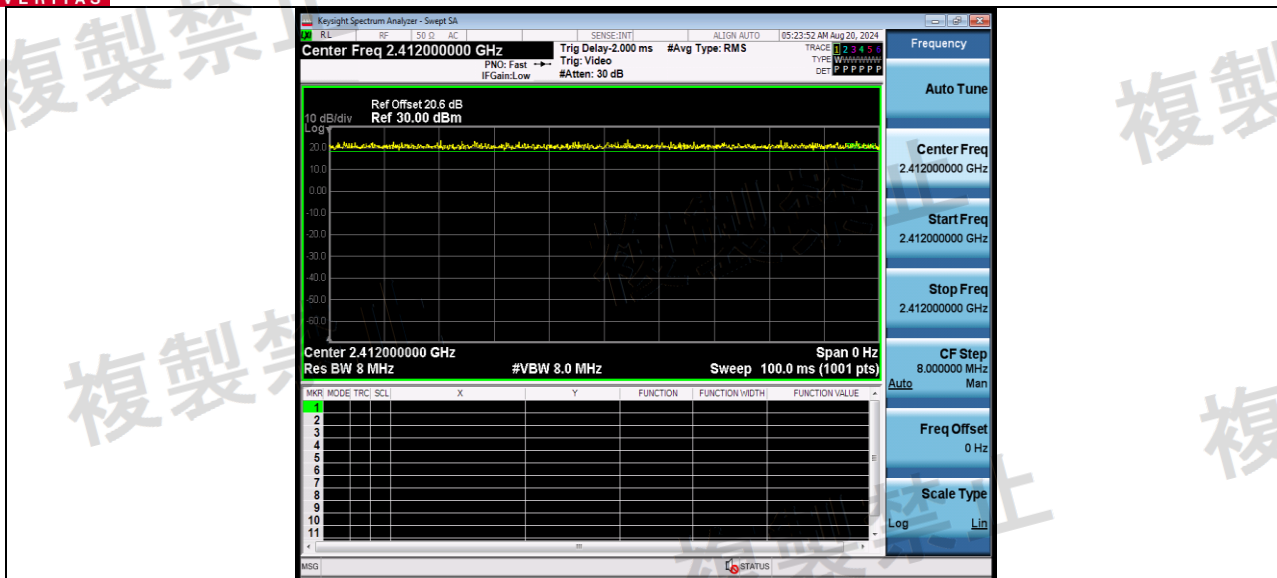
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

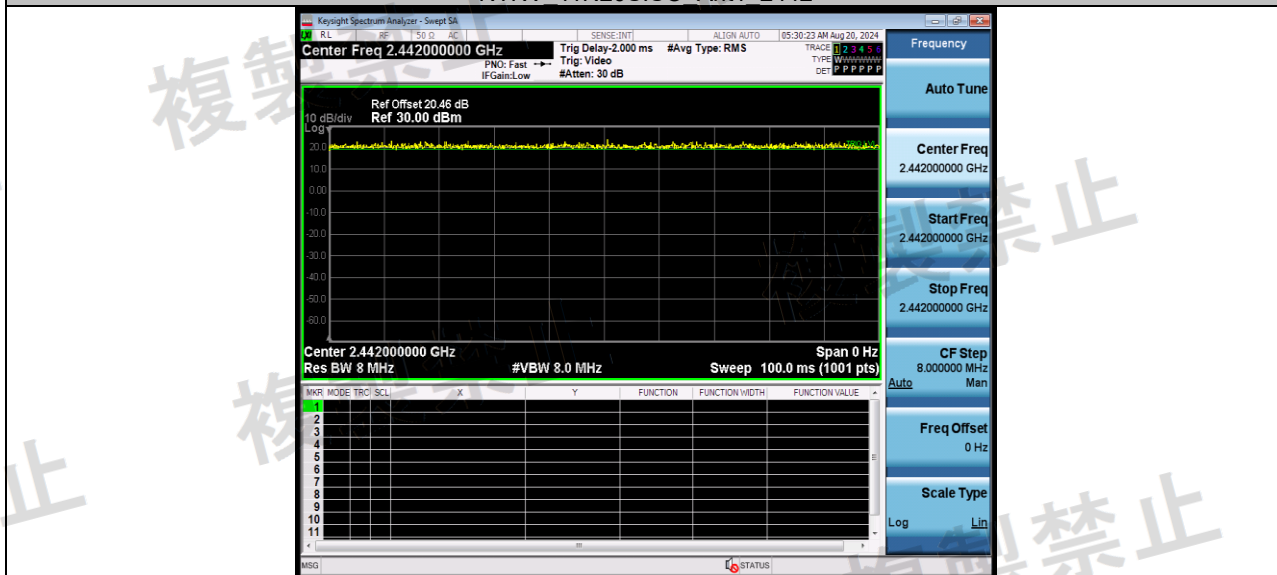


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV_11N20SISO_Ant1_2442



NTNV_11N20SISO_Ant1_2472

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

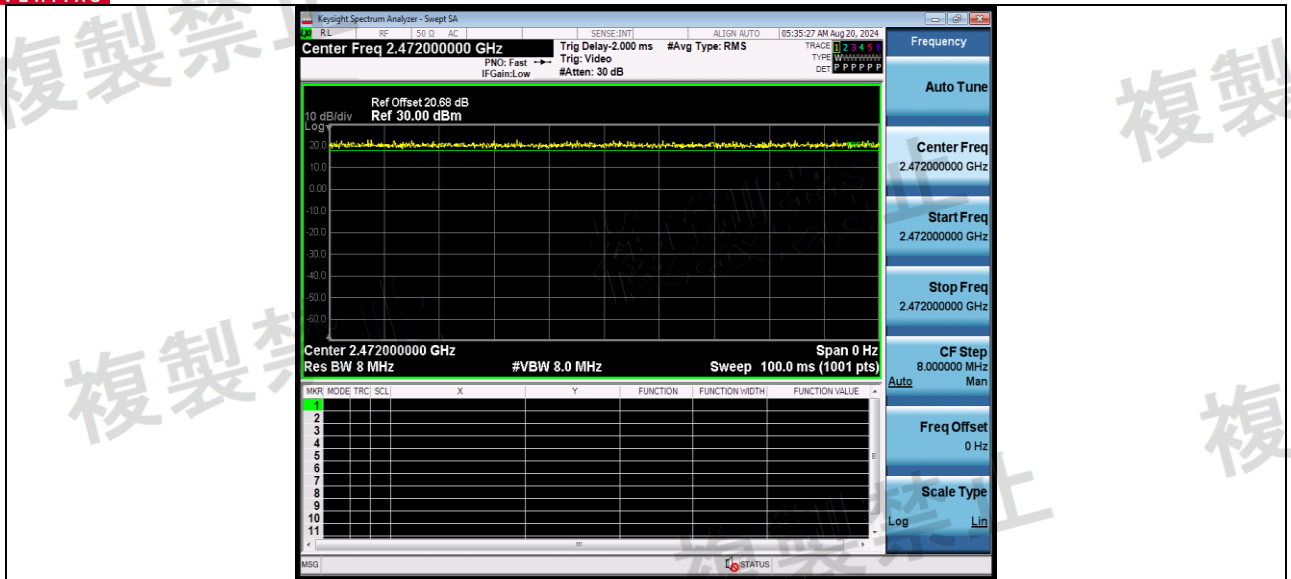
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

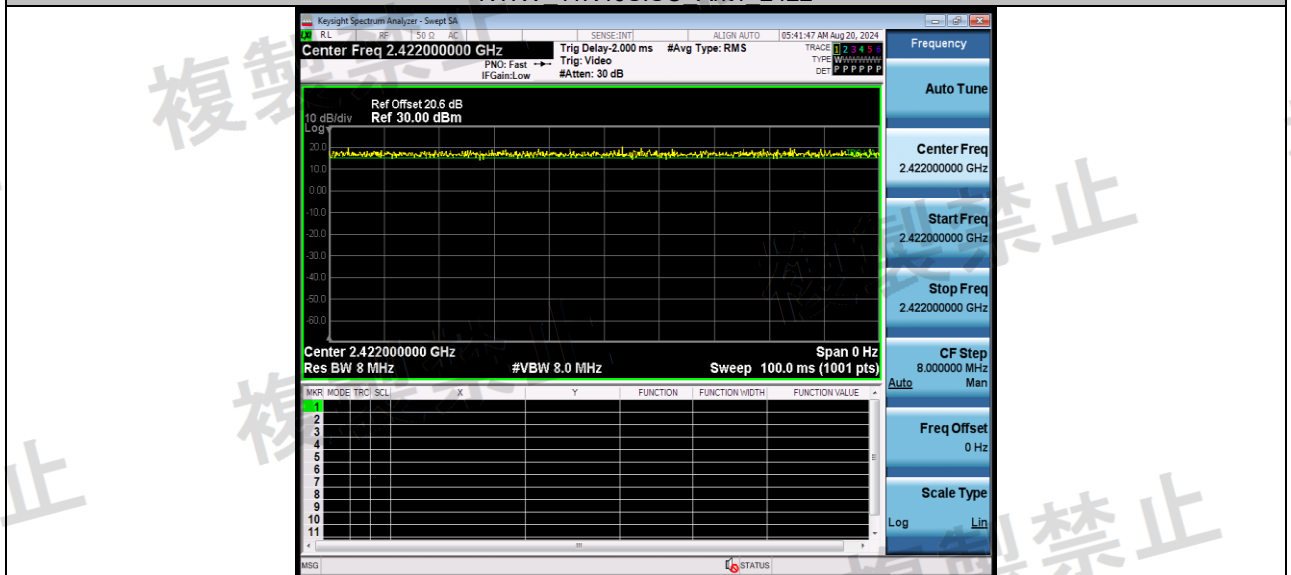


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV_11N40SISO_Ant1_2422

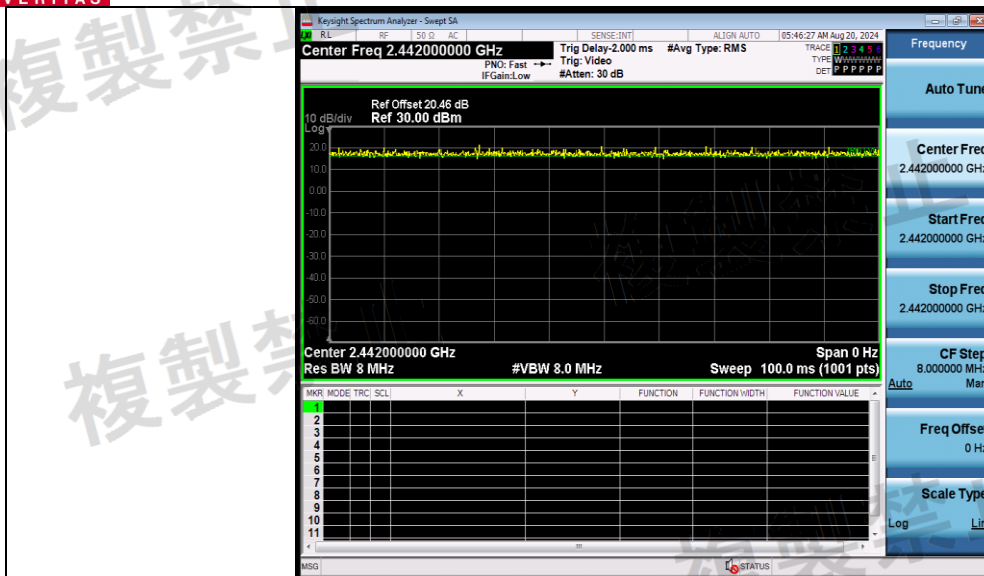


NTNV_11N40SISO_Ant1_2442

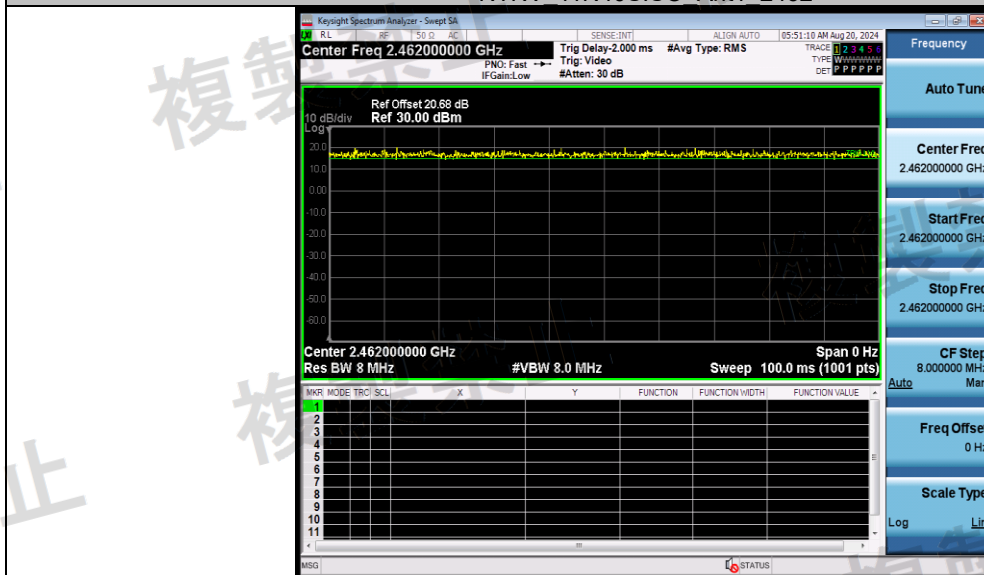


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV 11N40SISO Ant1 2462



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03

8 Appendix B: BLE

FREQUENCY ERROR

TEST RESULT

TestCondition	TestMode	Antenna	Freq(MHz)	CenterFreq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	BLE_1M	Ant1	2402	2402	0.00000	±50	PASS
NTNV	BLE_1M	Ant1	2440	2440.003	+1.22951	±50	PASS
NTNV	BLE_1M	Ant1	2480	2480.003	+1.20968	±50	PASS
NTNV	BLE_2M	Ant1	2404	2404.021	+8.73544	±50	PASS
NTNV	BLE_2M	Ant1	2440	2440.021	+8.60656	±50	PASS
NTNV	BLE_2M	Ant1	2478	2478.021	+8.47458	±50	PASS
NTNV	BLE_125 K	Ant1	2402	2402.003	+1.24896	±50	PASS
NTNV	BLE_125 K	Ant1	2440	2440.057	+23.36066	±50	PASS
NTNV	BLE_125 K	Ant1	2480	2480	0.00000	±50	PASS
NTNV	BLE_500 K	Ant1	2402	2402	0.00000	±50	PASS
NTNV	BLE_500 K	Ant1	2440	2440	0.00000	±50	PASS
NTNV	BLE_500 K	Ant1	2480	2479.979	-8.46774	±50	PASS



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03

TEST GRAPHS



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

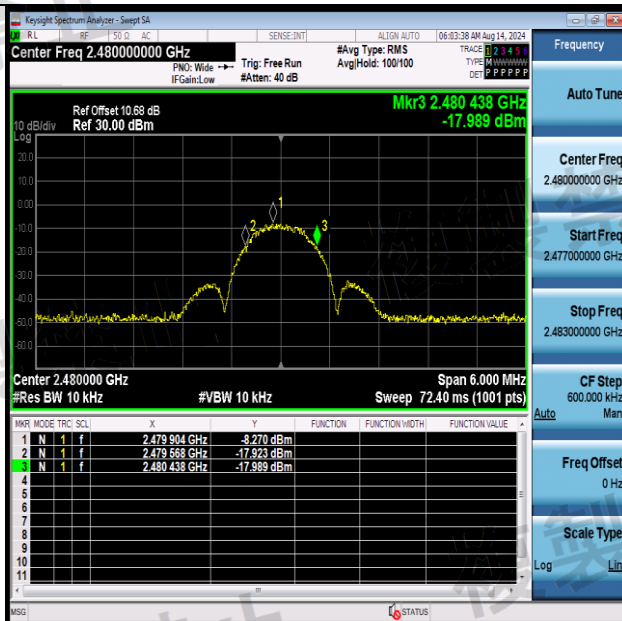
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 1M-Ant1-2480-PASS



NTNV-BLE 2M-Ant1-2404-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

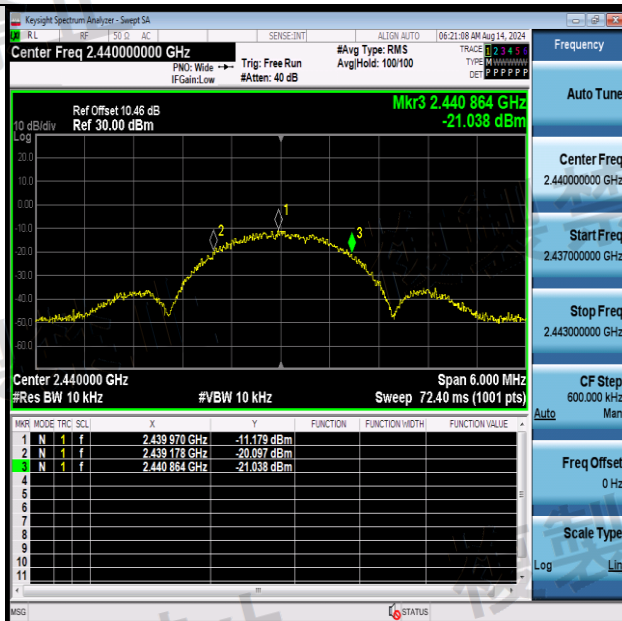
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

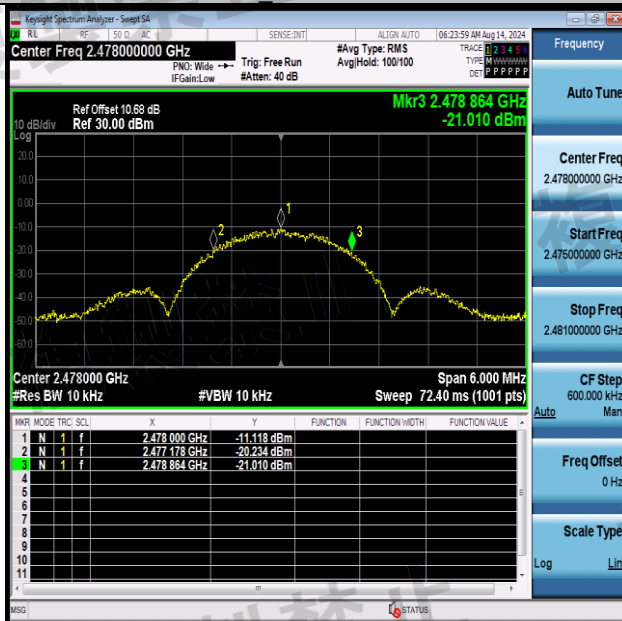


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 2M-Ant1-2440-PASS



NTNV-BLE 2M-Ant1-2478-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

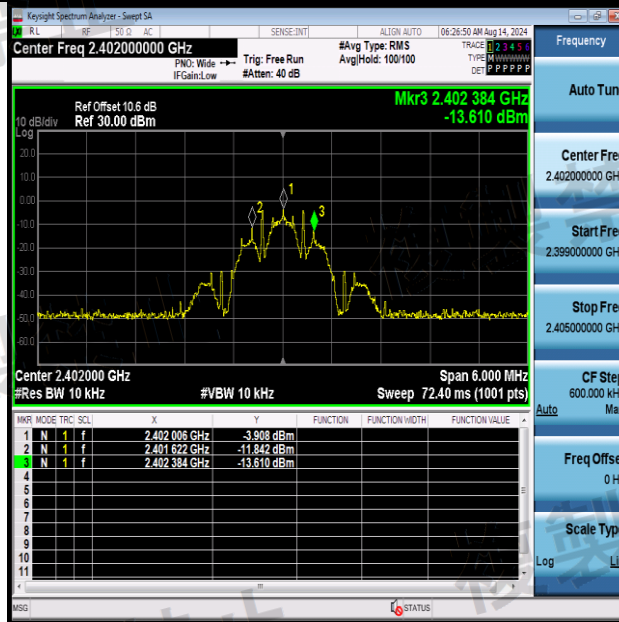
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 125K-Ant1-2402-PASS



NTNV-BLE 125K-Ant1-2440-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

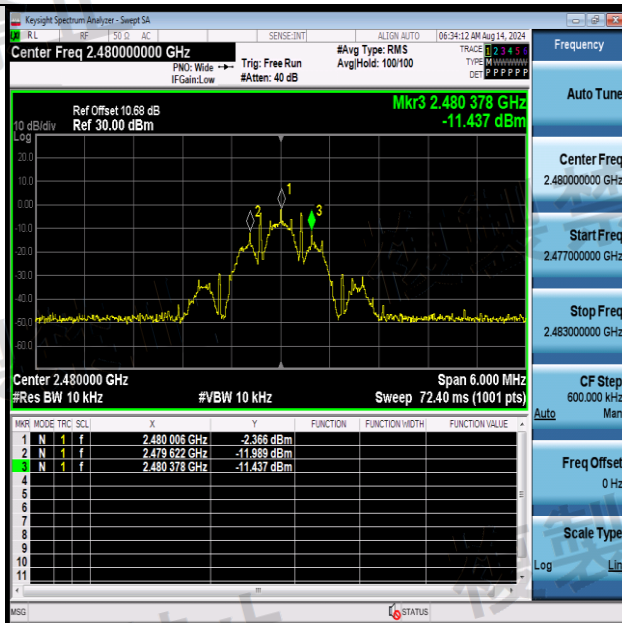
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

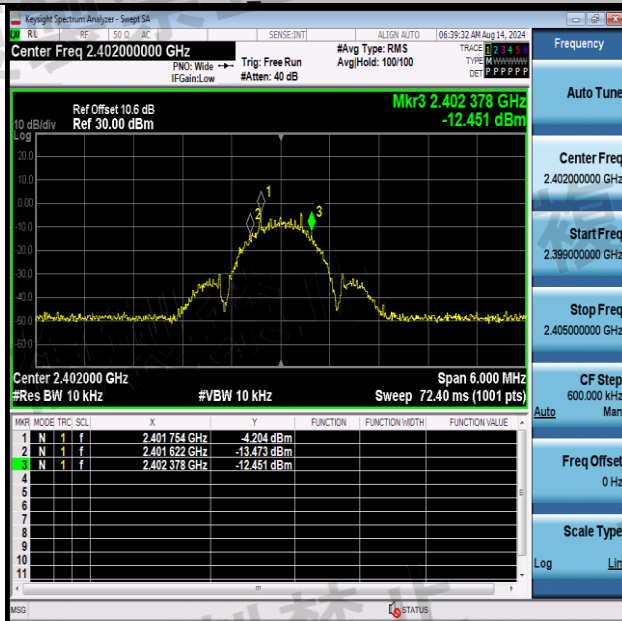


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 125K-Ant1-2480-PASS



NTNV-BLE 500K-Ant1-2402-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

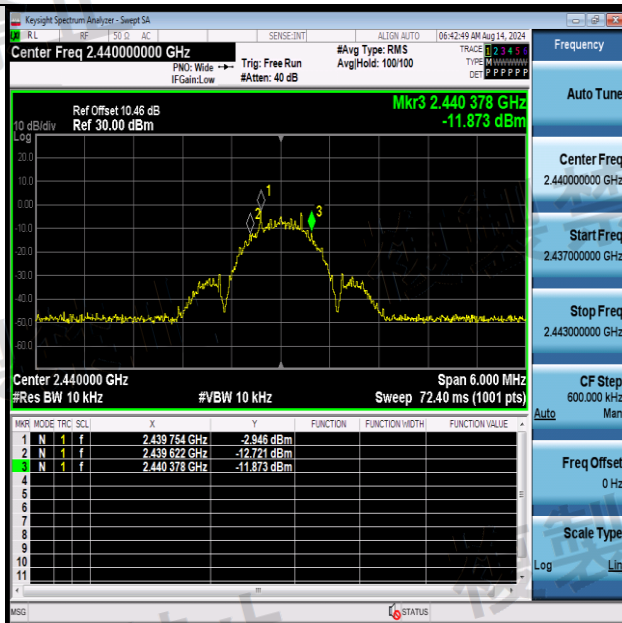
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

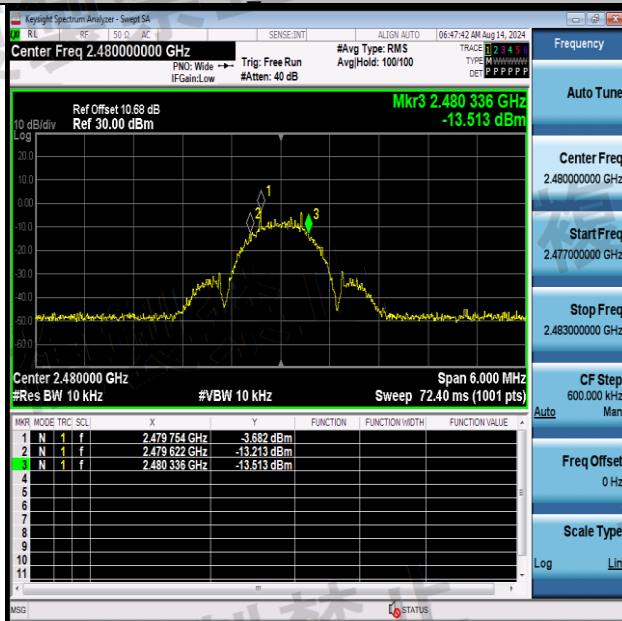


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 500K-Ant1-2440-PASS



NTNV-BLE 500K-Ant1-2480-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

ANTENNA POWER

TEST RESULT

Antenna Power							
TestCondition	TestMode	Antenna	Freq (MHz)	Result (dBm)	Result (mW)	Limit (mW)	Verdict
NTNV	BLE_125K	Ant1	2402	2.1	1.6218	≤10	PASS
			2440	3.18	2.0797	≤10	PASS
			2480	2.43	1.7498	≤10	PASS
	BLE_1M	Ant1	2402	2.2	1.6596	≤10	PASS
			2440	3.27	2.1232	≤10	PASS
			2480	2.52	1.7865	≤10	PASS
	BLE_2M	Ant1	2402	2.18	1.652	≤10	PASS
			2440	3.24	2.1086	≤10	PASS
			2480	2.55	1.7989	≤10	PASS
	BLE_500K	Ant1	2402	2.15	1.6406	≤10	PASS
			2440	3.23	2.1038	≤10	PASS
			2480	2.52	1.7865	≤10	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Freq (MHz)	Power (mW)	Rated Power (mW)	Result (%)	Limit (%)	Verdict
NTNV	BLE_125K	Ant1	2402	1.6218	2	-18.91	-80 to +20	PASS
			2440	2.0797	2	3.98	-80 to +20	PASS
			2480	1.7498	2	-12.51	-80 to +20	PASS
	BLE_1M	Ant1	2402	1.6596	2	-17.02	-80 to +20	PASS
			2440	2.1232	2	6.16	-80 to +20	PASS
			2480	1.7865	2	-10.68	-80 to +20	PASS
	BLE_2M	Ant1	2402	1.652	2	-17.4	-80 to +20	PASS
			2440	2.1086	2	5.43	-80 to +20	PASS
			2480	1.7989	2	-10.06	-80 to +20	PASS
	BLE_500K	Ant1	2402	1.6406	2	-17.97	-80 to +20	PASS
			2440	2.1038	2	5.19	-80 to +20	PASS
			2480	1.7865	2	-10.68	-80 to +20	PASS



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03

EIRP								
TestCondition	TestMode	Antenna	Freq (MHz)	Result (dBm)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Verdict
NTNV	BLE_125K	Ant1	2402	2.1	1.86	1.53	≤12.14	PASS
			2440	3.18	2.94	1.97	≤12.14	PASS
			2480	2.43	2.19	1.66	≤12.14	PASS
	BLE_1M	Ant1	2402	2.2	1.96	1.57	≤12.14	PASS
			2440	3.27	3.03	2.01	≤12.14	PASS
			2480	2.52	2.28	1.69	≤12.14	PASS
	BLE_2M	Ant1	2402	2.18	1.94	1.56	≤12.14	PASS
			2440	3.24	3	2	≤12.14	PASS
			2480	2.55	2.31	1.7	≤12.14	PASS
	BLE_500K	Ant1	2402	2.15	1.91	1.55	≤12.14	PASS
			2440	3.23	2.99	1.99	≤12.14	PASS
			2480	2.52	2.28	1.69	≤12.14	PASS



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03

OCCUPIED BANDWIDTH

TEST RESULT

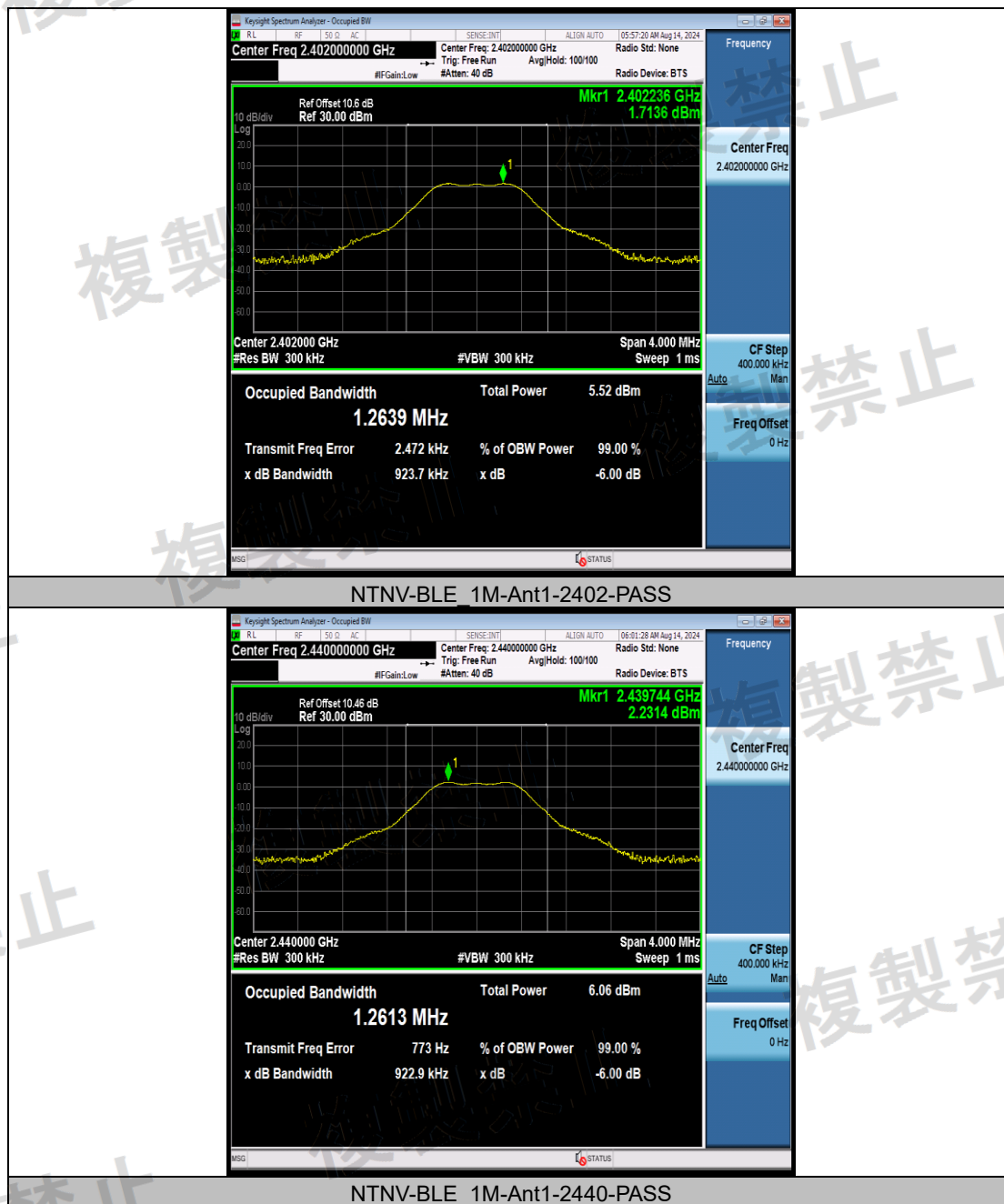
TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.264	≤26	PASS
NTNV	BLE_1M	Ant1	2440	1.261	≤26	PASS
NTNV	BLE_1M	Ant1	2480	1.260	≤26	PASS
NTNV	BLE_2M	Ant1	2404	2.157	≤26	PASS
NTNV	BLE_2M	Ant1	2440	2.144	≤26	PASS
NTNV	BLE_2M	Ant1	2478	2.158	≤26	PASS
NTNV	BLE_125 K	Ant1	2402	1.239	≤26	PASS
NTNV	BLE_125 K	Ant1	2440	1.239	≤26	PASS
NTNV	BLE_125 K	Ant1	2480	1.241	≤26	PASS
NTNV	BLE_500 K	Ant1	2402	1.261	≤26	PASS
NTNV	BLE_500 K	Ant1	2440	1.261	≤26	PASS
NTNV	BLE_500 K	Ant1	2480	1.260	≤26	PASS



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03

TEST GRAPHS



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

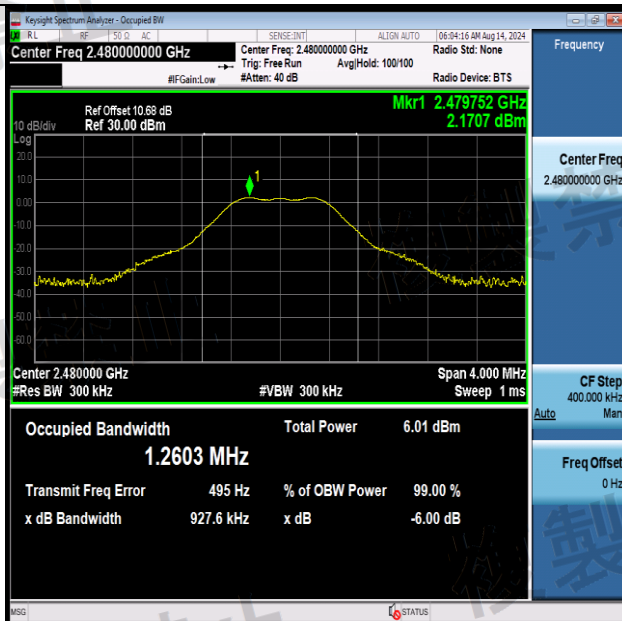
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 1M-Ant1-2480-PASS



NTNV-BLE 2M-Ant1-2404-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

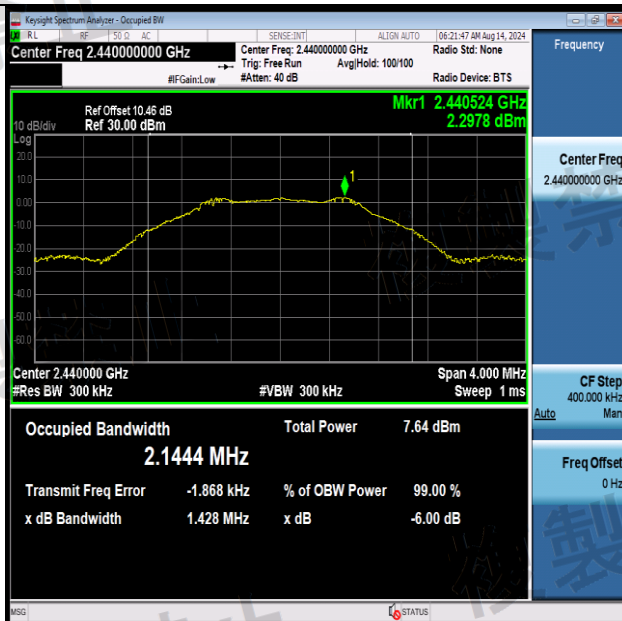
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 2M-Ant1-2440-PASS



NTNV-BLE 2M-Ant1-2478-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

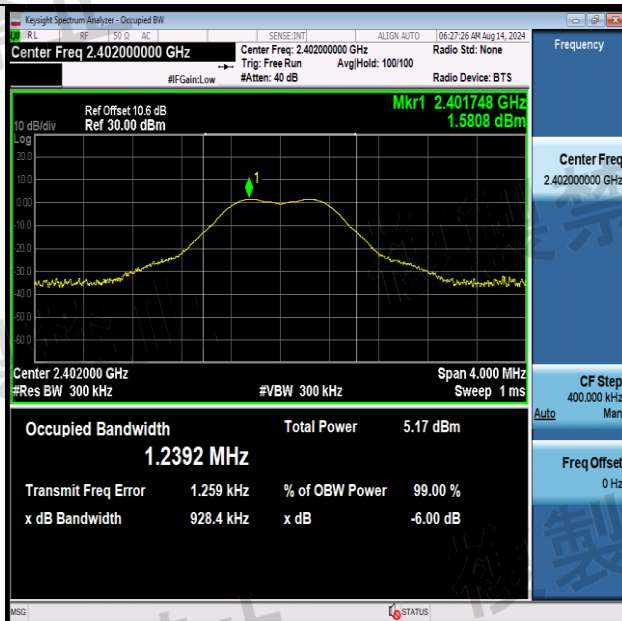
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

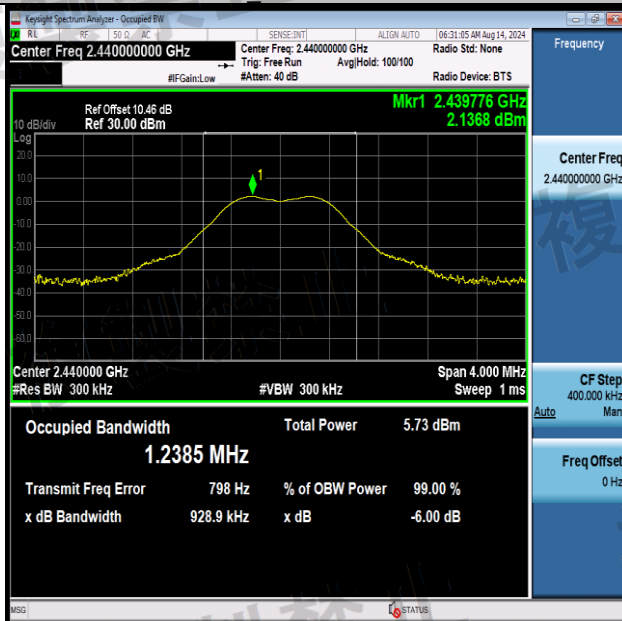


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 125K-Ant1-2402-PASS



NTNV-BLE 125K-Ant1-2440-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

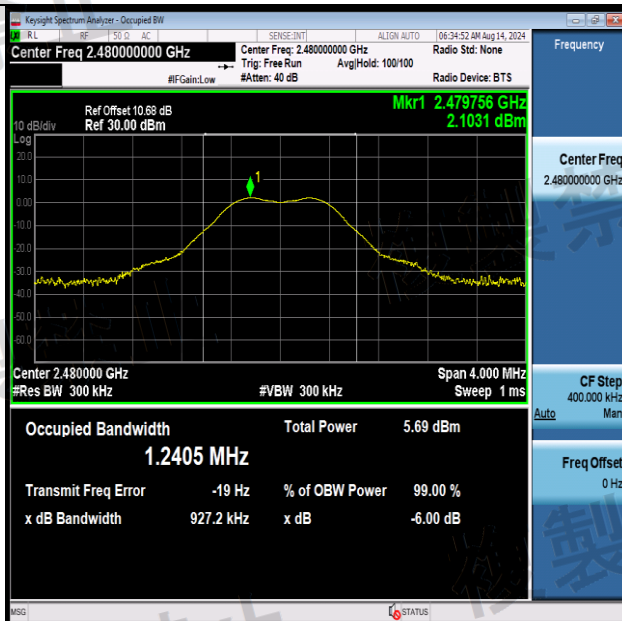
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

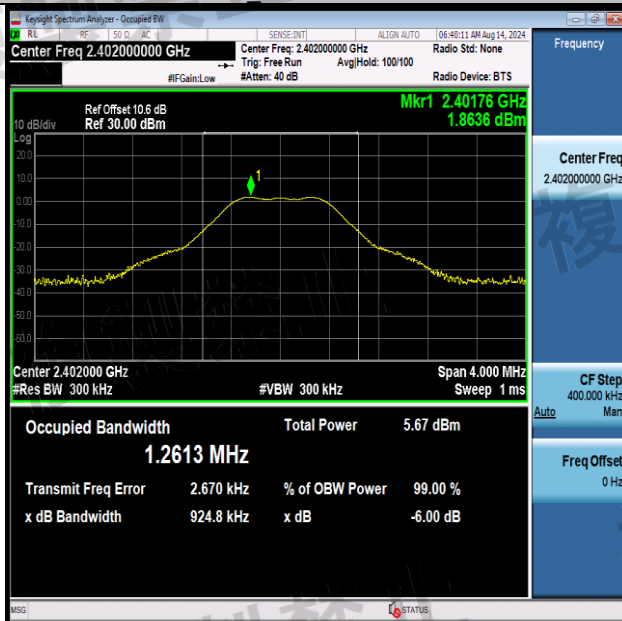


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 125K-Ant1-2480-PASS



NTNV-BLE 500K-Ant1-2402-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

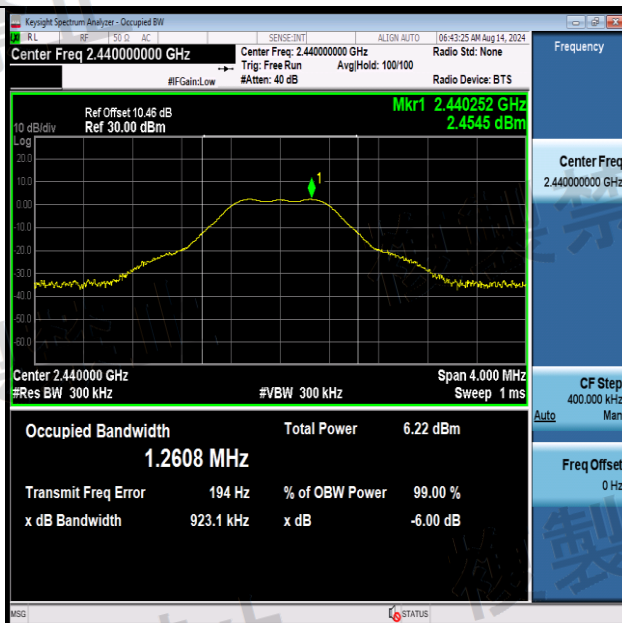
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 500K-Ant1-2440-PASS



NTNV-BLE 500K-Ant1-2480-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

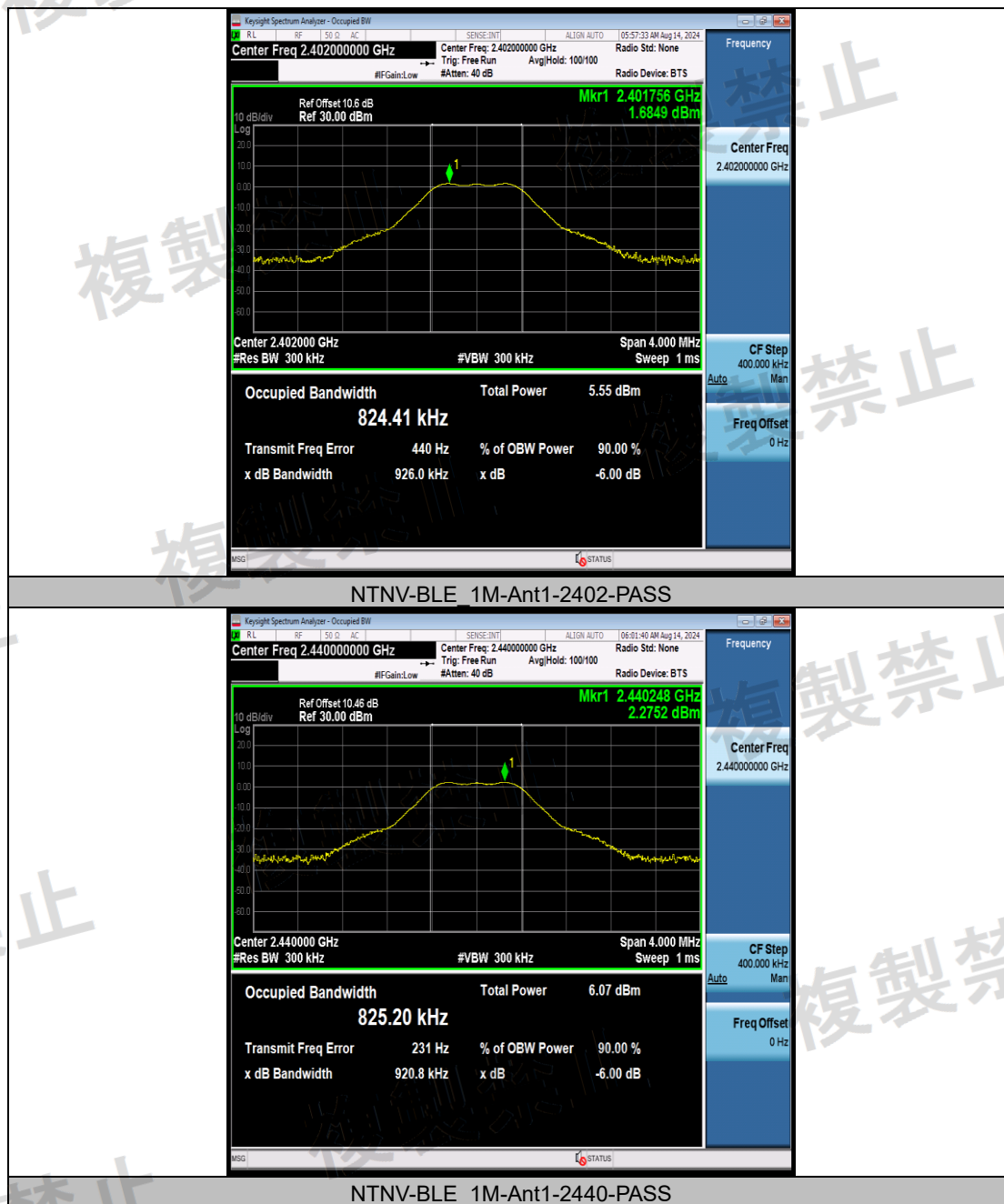
Test Report No.: PSU-QBJ2506170217RJ03

SPREAD BANDWIDTH

TEST RESULT

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	0.824	≥0.5	PASS
NTNV	BLE_1M	Ant1	2440	0.825	≥0.5	PASS
NTNV	BLE_1M	Ant1	2480	0.824	≥0.5	PASS
NTNV	BLE_2M	Ant1	2404	1.374	≥0.5	PASS
NTNV	BLE_2M	Ant1	2440	1.371	≥0.5	PASS
NTNV	BLE_2M	Ant1	2478	1.364	≥0.5	PASS
NTNV	BLE_125 K	Ant1	2402	0.833	≥0.5	PASS
NTNV	BLE_125 K	Ant1	2440	0.832	≥0.5	PASS
NTNV	BLE_125 K	Ant1	2480	0.831	≥0.5	PASS
NTNV	BLE_500 K	Ant1	2402	0.825	≥0.5	PASS
NTNV	BLE_500 K	Ant1	2440	0.825	≥0.5	PASS
NTNV	BLE_500 K	Ant1	2480	0.824	≥0.5	PASS

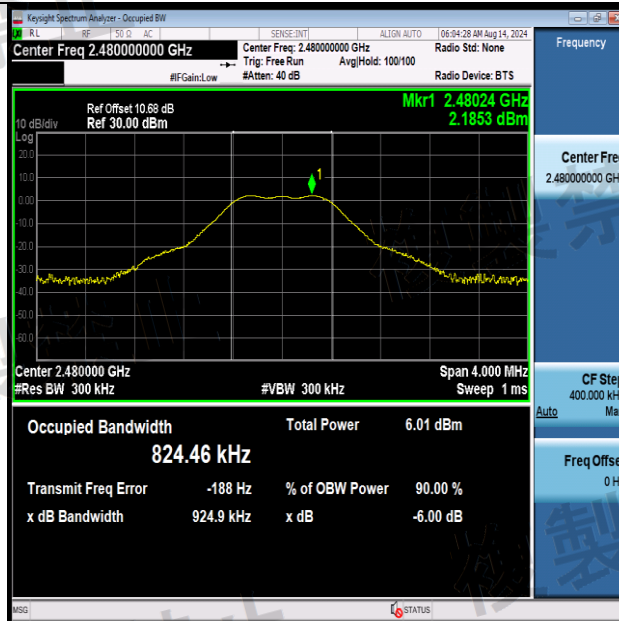
TEST GRAPHS





BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 1M-Ant1-2480-PASS

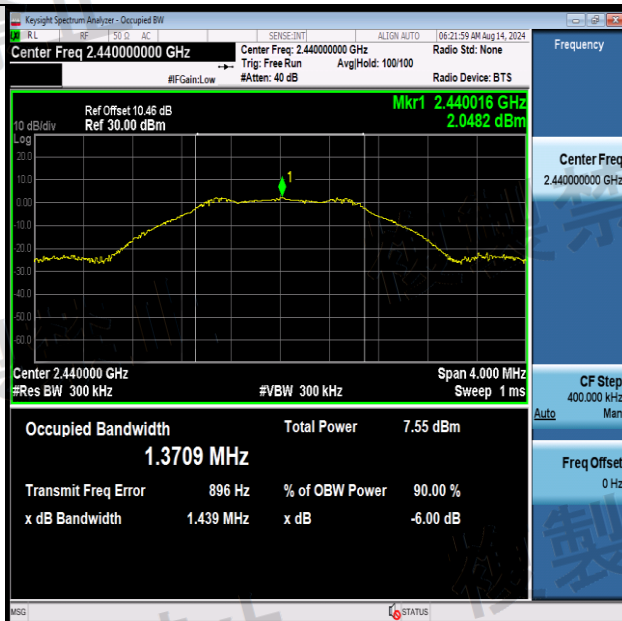


NTNV-BLE 2M-Ant1-2404-PASS



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 2M-Ant1-2440-PASS

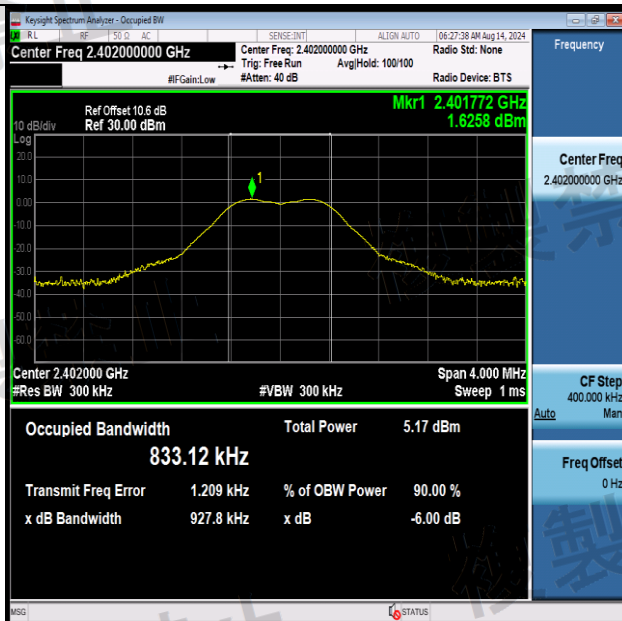


NTNV-BLE 2M-Ant1-2478-PASS

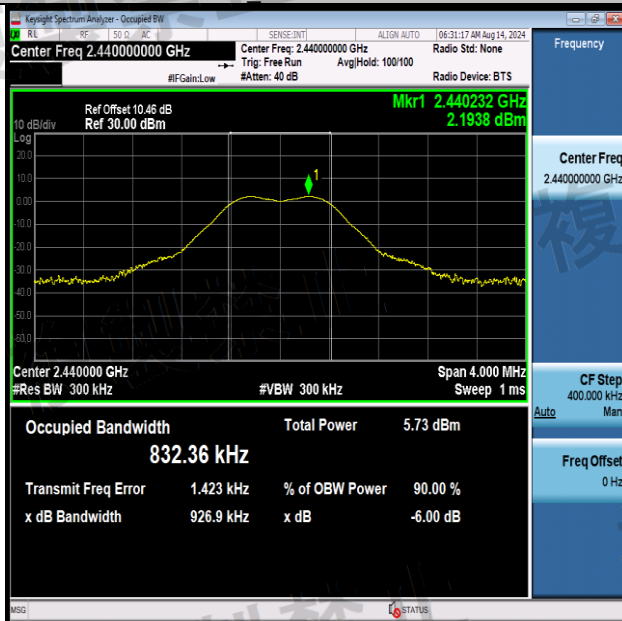


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 125K-Ant1-2402-PASS



NTNV-BLE 125K-Ant1-2440-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

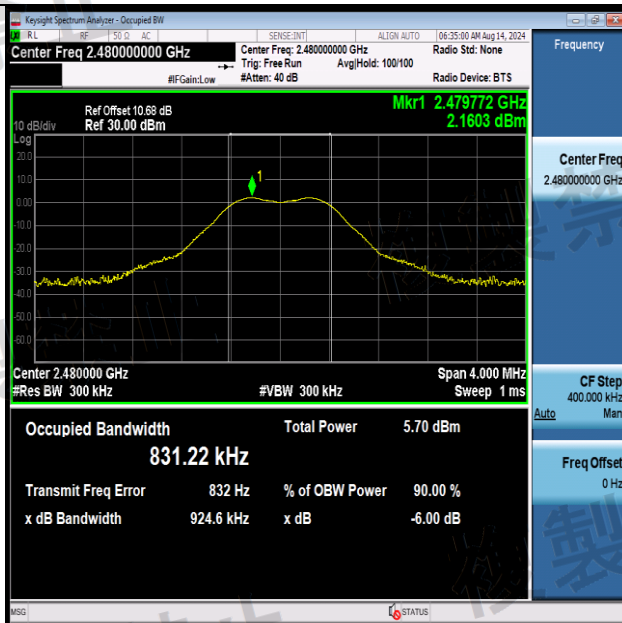
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

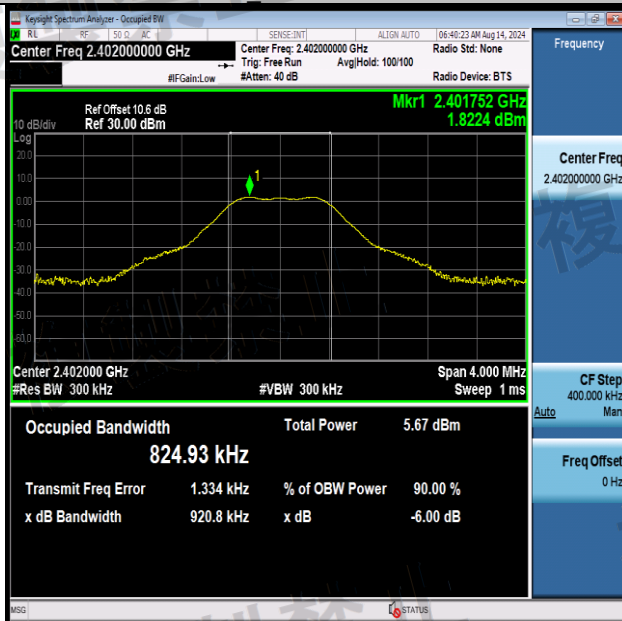


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 125K-Ant1-2480-PASS



NTNV-BLE 500K-Ant1-2402-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

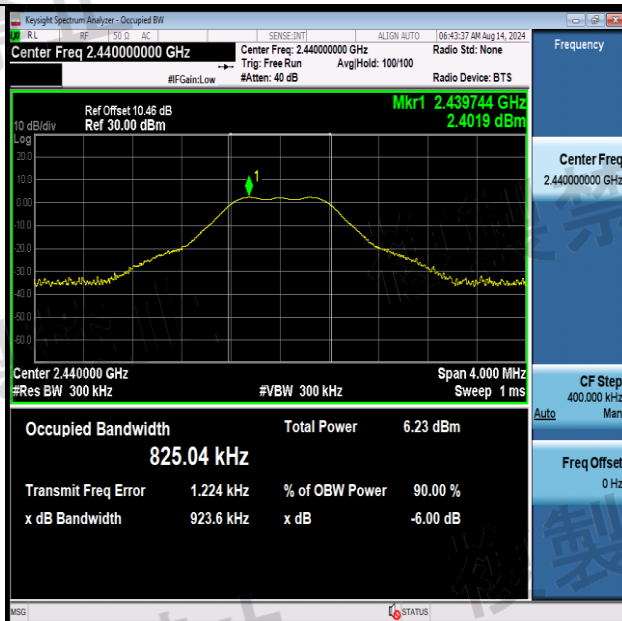
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

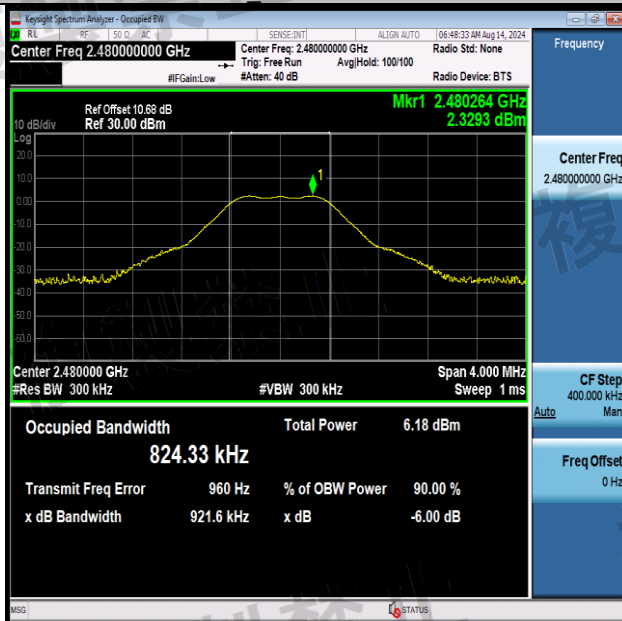


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 500K-Ant1-2440-PASS



NTNV-BLE 500K-Ant1-2480-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03

SPURIOUS EMISSION OF TX

TEST RESULT

TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	-43.65	≤-26	0.04315	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	1000~2387	-42.90	≤-26	0.05129	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	2387~2400	-29.81	≤-16	1.04472	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2483.5~2496.5	-33.90	≤-16	0.40738	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2496.5~13000	-58.97	≤-26	0.00127	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	-43.81	≤-26	0.04159	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	1000~2387	-43.06	≤-26	0.04943	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	2387~2400	-34.04	≤-16	0.39446	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2483.5~2496.5	-33.86	≤-16	0.41115	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2496.5~13000	-54.15	≤-26	0.00385	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	-43.60	≤-26	0.04365	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	1000~2387	-42.69	≤-26	0.05383	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	2387~2400	-34.24	≤-16	0.37670	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2483.5~2496.5	-34.33	≤-16	0.36898	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2496.5~13000	-53.03	≤-26	0.00498	≤2.5	PASS
NTNV	BLE_2M	Ant1	2404	30~1000	-43.49	≤-26	0.04477	≤2.5	PASS
NTNV	BLE_2M	Ant1	2404	1000~2387	-42.89	≤-26	0.05140	≤2.5	PASS
NTNV	BLE_2M	Ant1	2404	2387~2400	-34.42	≤-16	0.36141	≤25	PASS
NTNV	BLE_2M	Ant1	2404	2483.5~2496.5	-33.78	≤-16	0.41879	≤25	PASS
NTNV	BLE_2M	Ant1	2404	2496.5~13000	-59.99	≤-26	0.00100	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	-43.63	≤-26	0.04335	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	1000~2387	-42.75	≤-26	0.05309	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	2387~2400	-34.34	≤-16	0.36813	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2483.5~2496.5	-34.45	≤-16	0.35892	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2496.5~13000	-52.79	≤-26	0.00526	≤2.5	PASS
NTNV	BLE_2M	Ant1	2478	30~1000	-43.38	≤-26	0.04592	≤2.5	PASS
NTNV	BLE_2M	Ant1	2478	1000~2387	-41.79	≤-26	0.06622	≤2.5	PASS
NTNV	BLE_2M	Ant1	2478	2387~2400	-34.17	≤-16	0.38282	≤25	PASS
NTNV	BLE_2M	Ant1	2478	2483.5~2496.5	-34.06	≤-16	0.39264	≤25	PASS
NTNV	BLE_2M	Ant1	2478	2496.5~13000	-61.34	≤-26	0.00073	≤2.5	PASS
NTNV	BLE_125K	Ant1	2402	30~1000	-43.42	≤-26	0.04550	≤2.5	PASS
NTNV	BLE_125K	Ant1	2402	1000~2387	-42.98	≤-26	0.05035	≤2.5	PASS
NTNV	BLE_125K	Ant1	2402	2387~2400	-30.39	≤-16	0.91411	≤25	PASS
NTNV	BLE_125K	Ant1	2402	2483.5~2496.5	-33.72	≤-16	0.42462	≤25	PASS
NTNV	BLE_125K	Ant1	2402	2496.5~13000	-50.62	≤-26	0.00867	≤2.5	PASS
NTNV	BLE_125K	Ant1	2440	30~1000	-43.95	≤-26	0.04027	≤2.5	PASS
NTNV	BLE_125K	Ant1	2440	1000~2387	-42.64	≤-26	0.05445	≤2.5	PASS
NTNV	BLE_125K	Ant1	2440	2387~2400	-34.75	≤-16	0.33497	≤25	PASS
NTNV	BLE_125K	Ant1	2440	2483.5~2496.5	-34.44	≤-16	0.35975	≤25	PASS
NTNV	BLE_125K	Ant1	2440	2496.5~13000	-51.82	≤-26	0.00658	≤2.5	PASS
NTNV	BLE_125K	Ant1	2480	30~1000	-43.49	≤-26	0.04477	≤2.5	PASS
NTNV	BLE_125K	Ant1	2480	1000~2387	-42.68	≤-26	0.05395	≤2.5	PASS
NTNV	BLE_125K	Ant1	2480	2387~2400	-34.44	≤-16	0.35975	≤25	PASS
NTNV	BLE_125K	Ant1	2480	2483.5~2496.5	-33.29	≤-16	0.46881	≤25	PASS
NTNV	BLE_125K	Ant1	2480	2496.5~13000	-55.97	≤-26	0.00253	≤2.5	PASS
NTNV	BLE_500K	Ant1	2402	30~1000	-43.56	≤-26	0.04406	≤2.5	PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

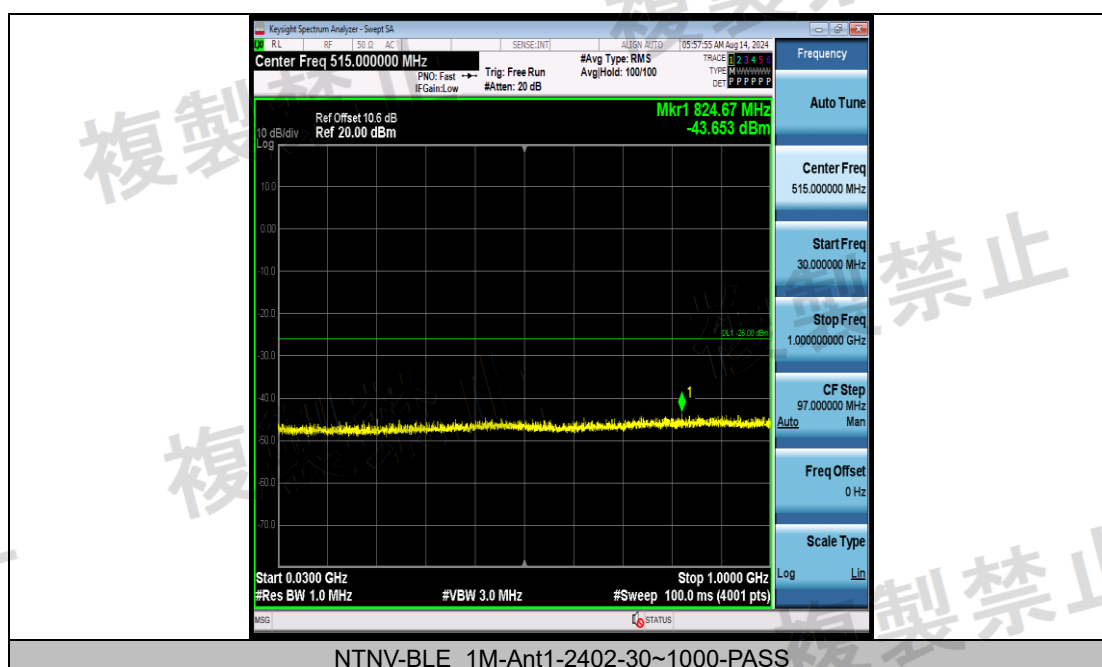


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03

NTNV	BLE_500K	Ant1	2402	1000~2387	-42.52	≤-26	0.05598	≤2.5	PASS
NTNV	BLE_500K	Ant1	2402	2387~2400	-29.97	≤-16	1.00693	≤25	PASS
NTNV	BLE_500K	Ant1	2402	2483.5~2496.5	-33.80	≤-16	0.41687	≤25	PASS
NTNV	BLE_500K	Ant1	2402	2496.5~13000	-60.76	≤-26	0.00084	≤2.5	PASS
NTNV	BLE_500K	Ant1	2440	30~1000	-43.63	≤-26	0.04335	≤2.5	PASS
NTNV	BLE_500K	Ant1	2440	1000~2387	-43.22	≤-26	0.04764	≤2.5	PASS
NTNV	BLE_500K	Ant1	2440	2387~2400	-34.02	≤-16	0.39628	≤25	PASS
NTNV	BLE_500K	Ant1	2440	2483.5~2496.5	-34.13	≤-16	0.38637	≤25	PASS
NTNV	BLE_500K	Ant1	2440	2496.5~13000	-52.08	≤-26	0.00619	≤2.5	PASS
NTNV	BLE_500K	Ant1	2480	30~1000	-42.13	≤-26	0.06124	≤2.5	PASS
NTNV	BLE_500K	Ant1	2480	1000~2387	-42.93	≤-26	0.05093	≤2.5	PASS
NTNV	BLE_500K	Ant1	2480	2387~2400	-34.14	≤-16	0.38548	≤25	PASS
NTNV	BLE_500K	Ant1	2480	2483.5~2496.5	-33.29	≤-16	0.46881	≤25	PASS
NTNV	BLE_500K	Ant1	2480	2496.5~13000	-56.55	≤-26	0.00221	≤2.5	PASS

TEST GRAPHS



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

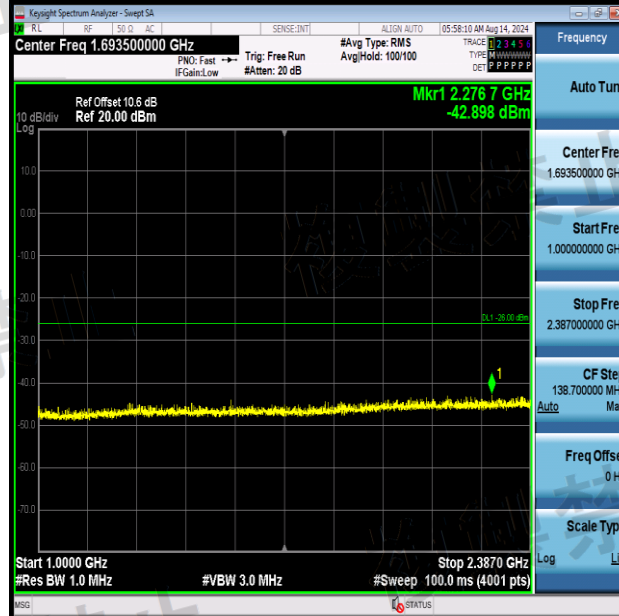
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

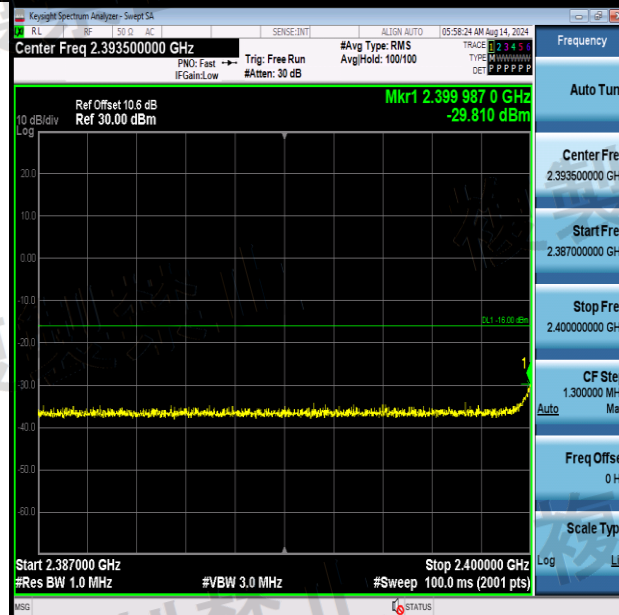


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 1M-Ant1-2402-1000~2387-PASS



NTNV-BLE 1M-Ant1-2402-2387~2400-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

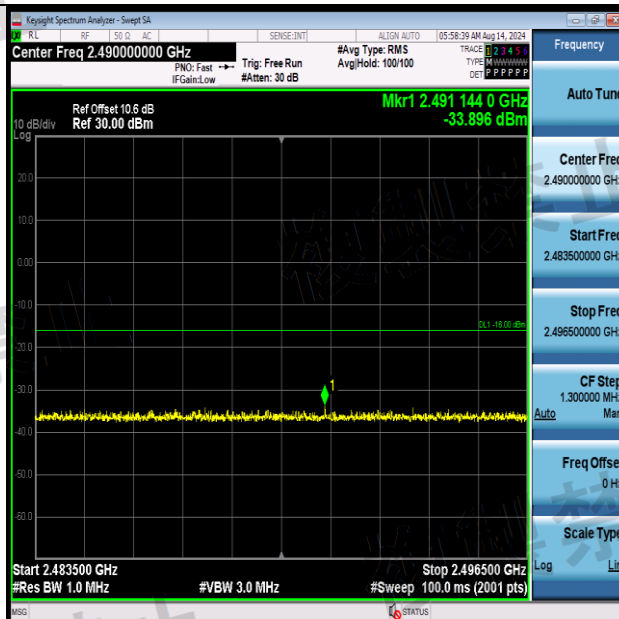
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

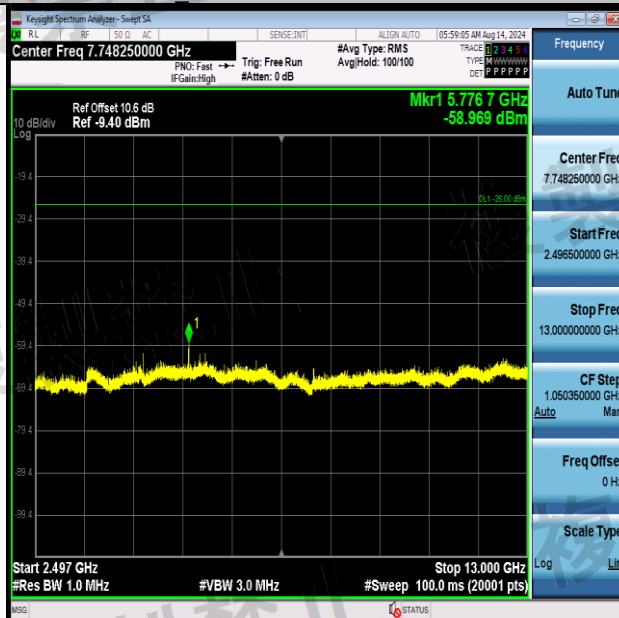


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 1M-Ant1-2402-2483.5~2496.5-PASS



NTNV-BLE 1M-Ant1-2402-2496.5~13000-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

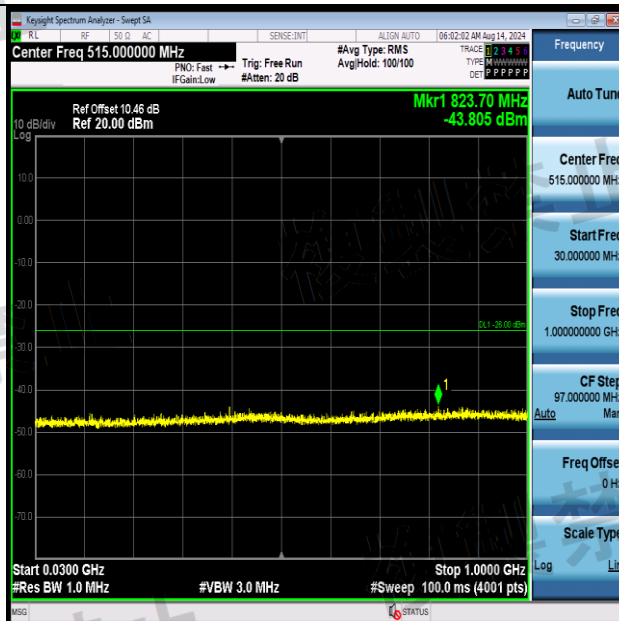
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

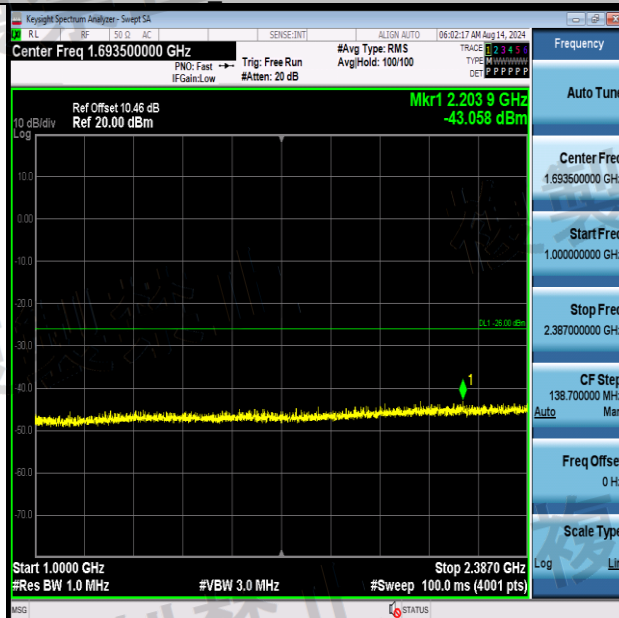


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 1M-Ant1-2440-30~1000-PASS



NTNV-BLE 1M-Ant1-2440-1000~2387-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

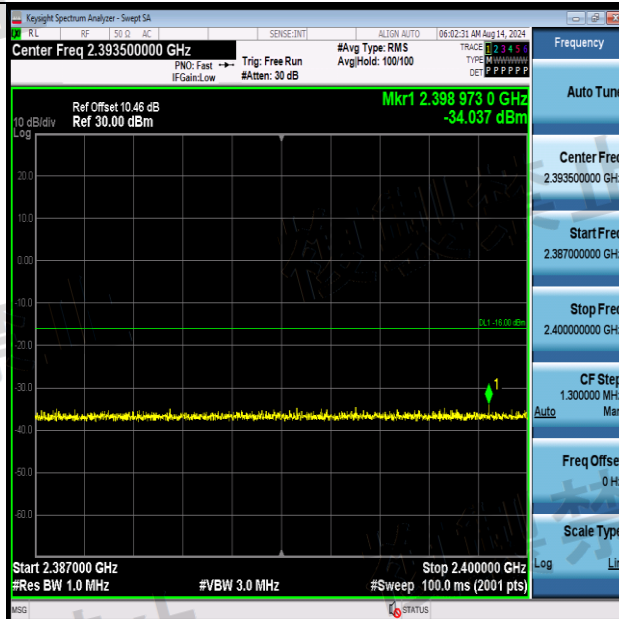
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

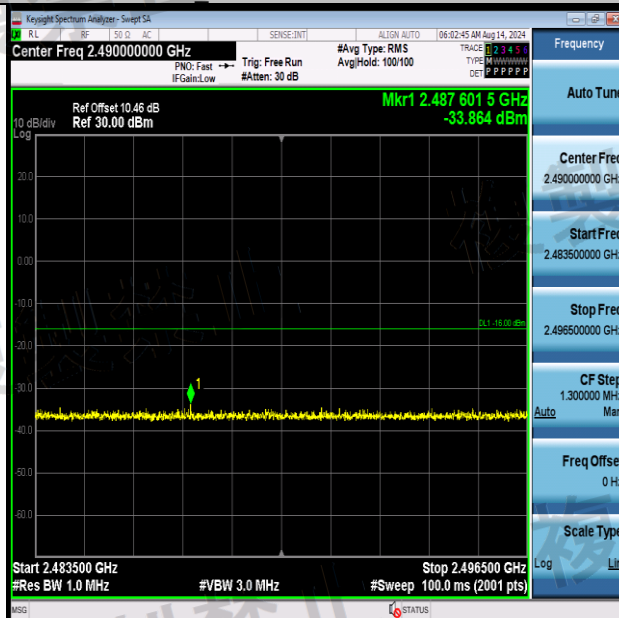


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 1M-Ant1-2440-2387~2400-PASS



NTNV-BLE 1M-Ant1-2440-2483.5~2496.5-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

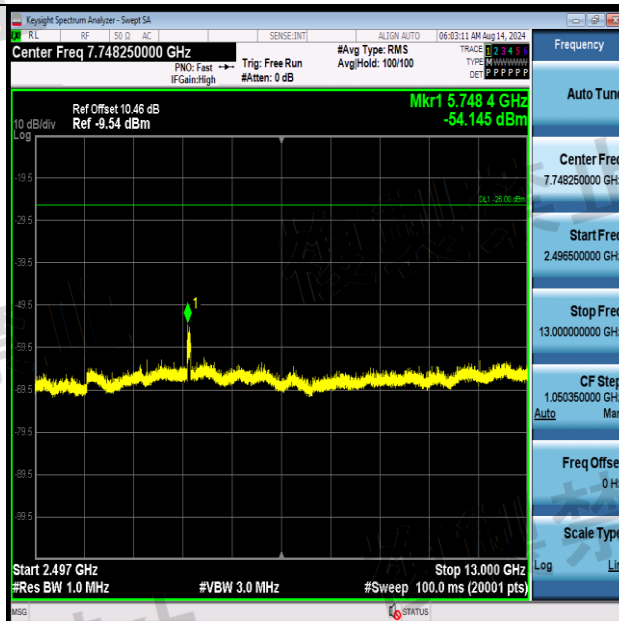
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

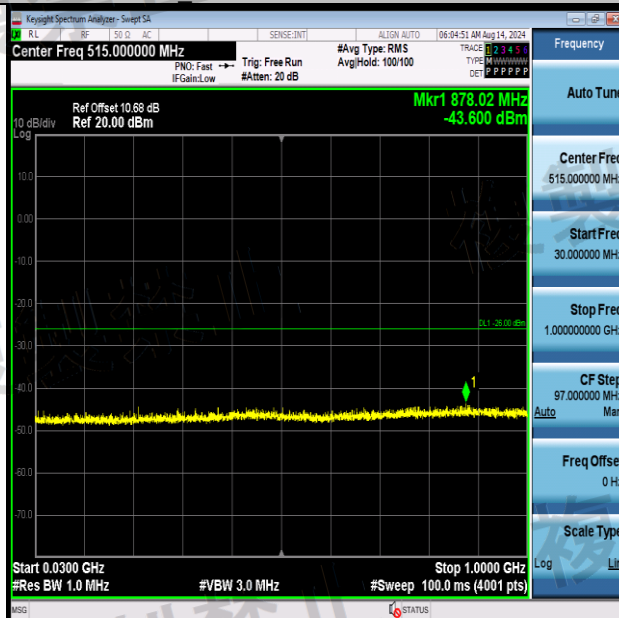


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 1M-Ant1-2440-2496.5~13000-PASS



NTNV-BLE 1M-Ant1-2480-30~1000-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

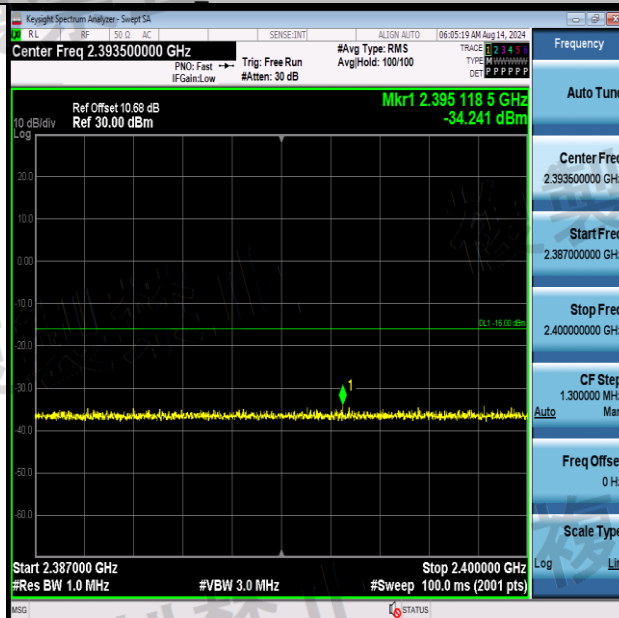


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 1M-Ant1-2480-1000~2387-PASS



NTNV-BLE 1M-Ant1-2480-2387~2400-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

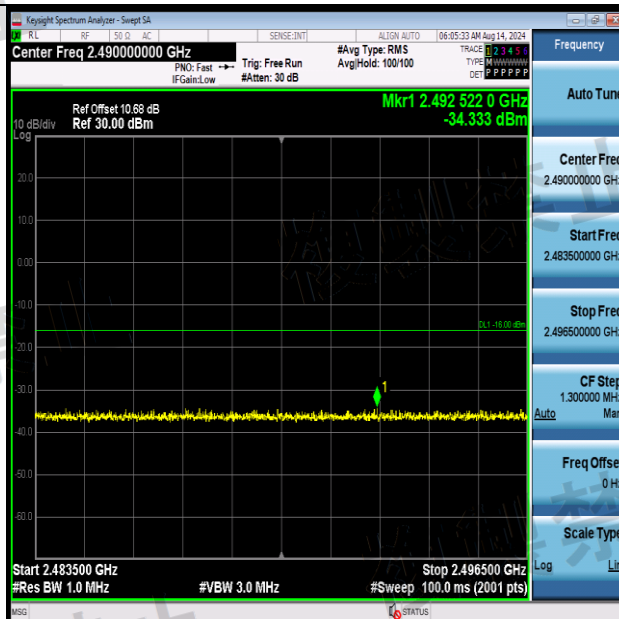
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

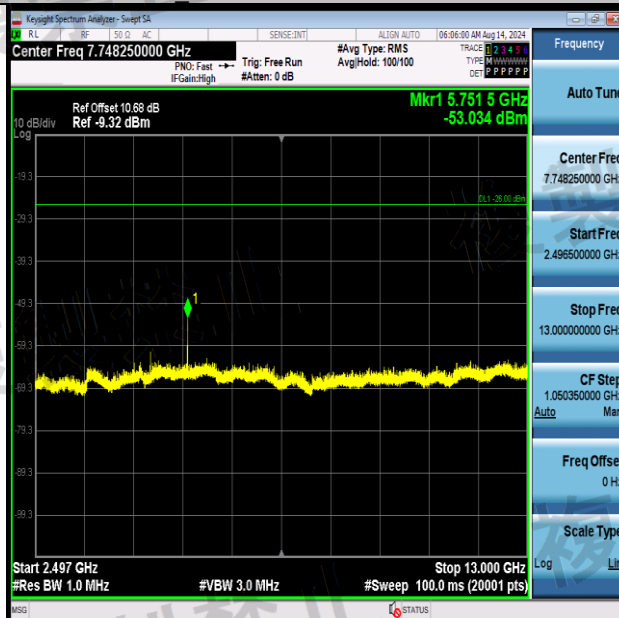


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 1M-Ant1-2480-2483.5~2496.5-PASS



NTNV-BLE 1M-Ant1-2480-2496.5~13000-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 2M-Ant1-2404-30~1000-PASS



NTNV-BLE 2M-Ant1-2404-1000~2387-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

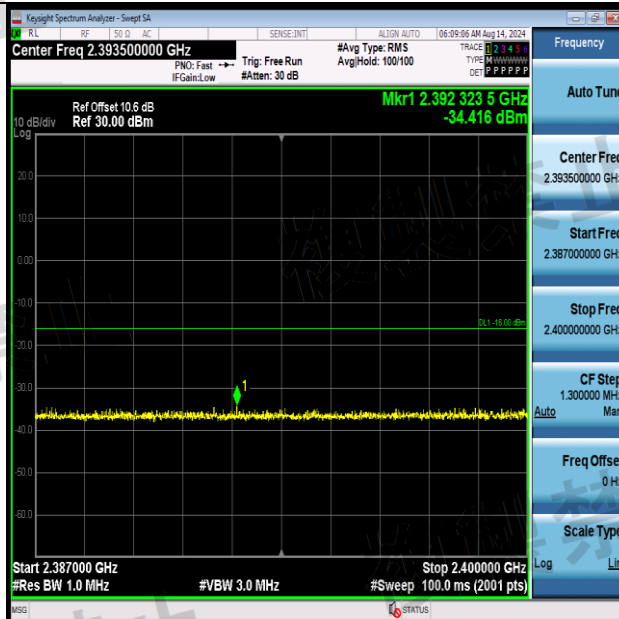
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

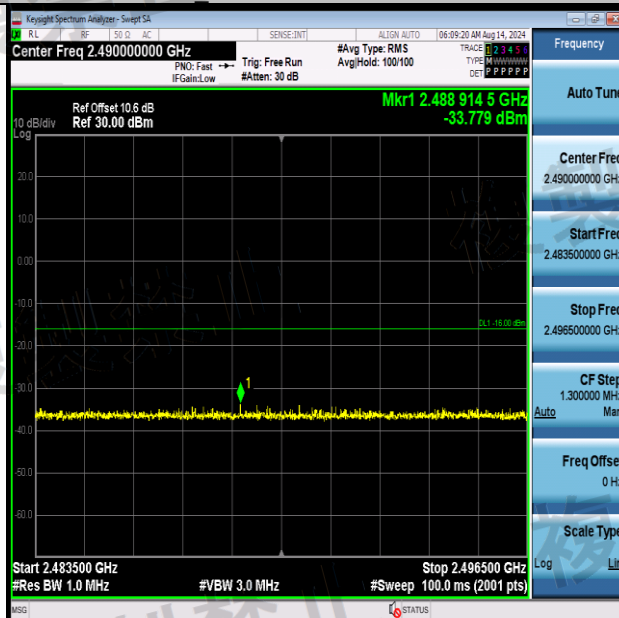


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 2M-Ant1-2404-2387~2400-PASS



NTNV-BLE 2M-Ant1-2404-2483.5~2496.5-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

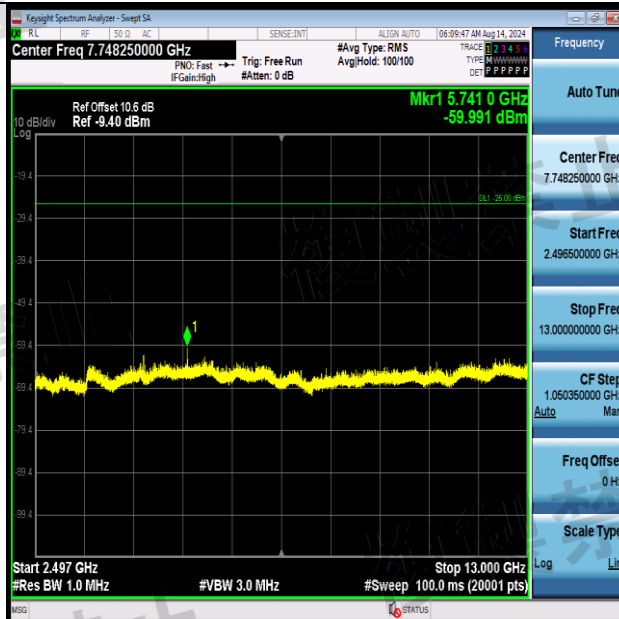
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

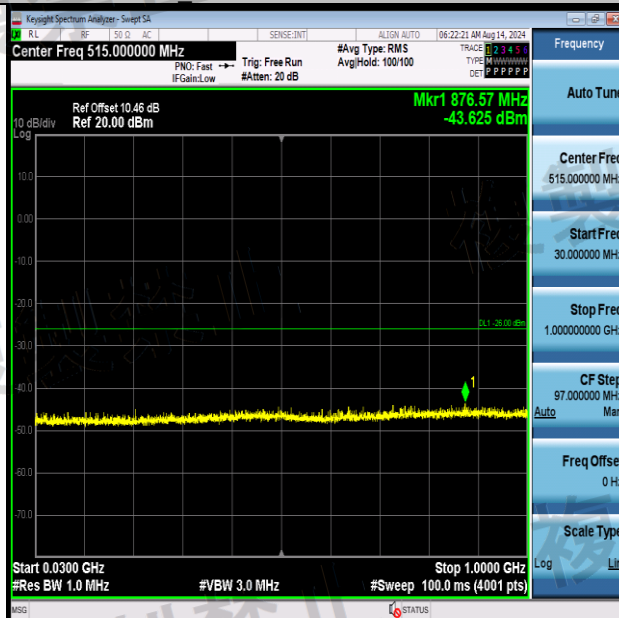


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 2M-Ant1-2404-2496.5~13000-PASS



NTNV-BLE 2M-Ant1-2440-30~1000-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

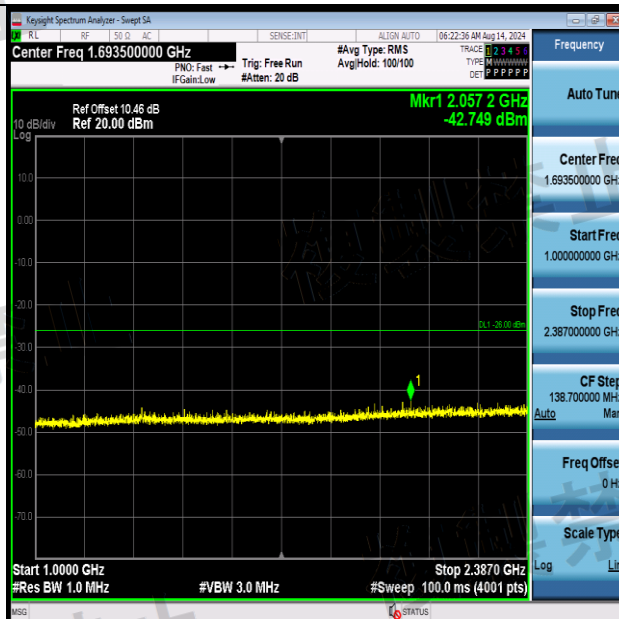
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

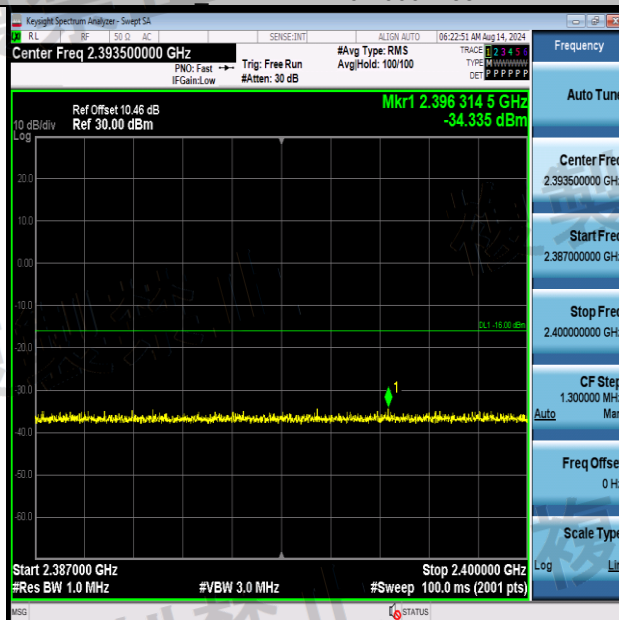


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 2M-Ant1-2440-1000~2387-PASS



NTNV-BLE 2M-Ant1-2440-2387~2400-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

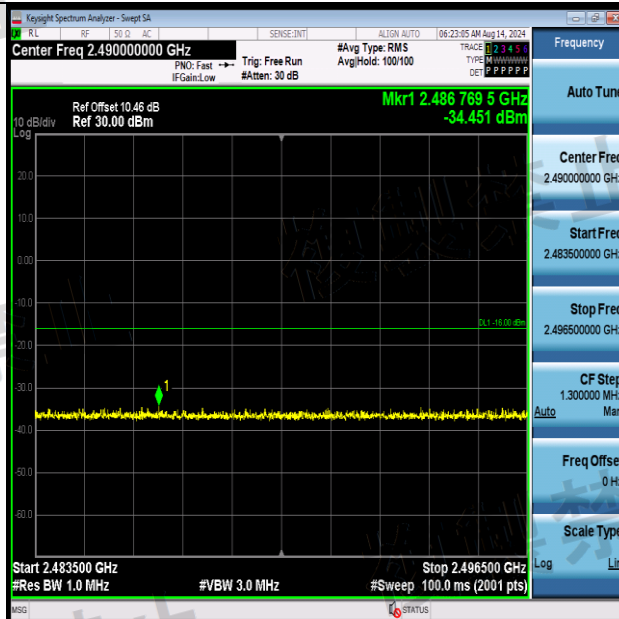
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

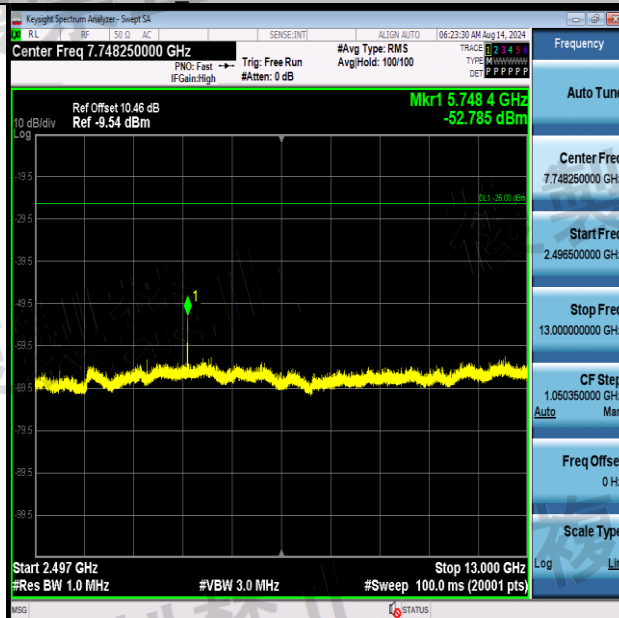


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 2M-Ant1-2440-2483.5~2496.5-PASS



NTNV-BLE 2M-Ant1-2440-2496.5~13000-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

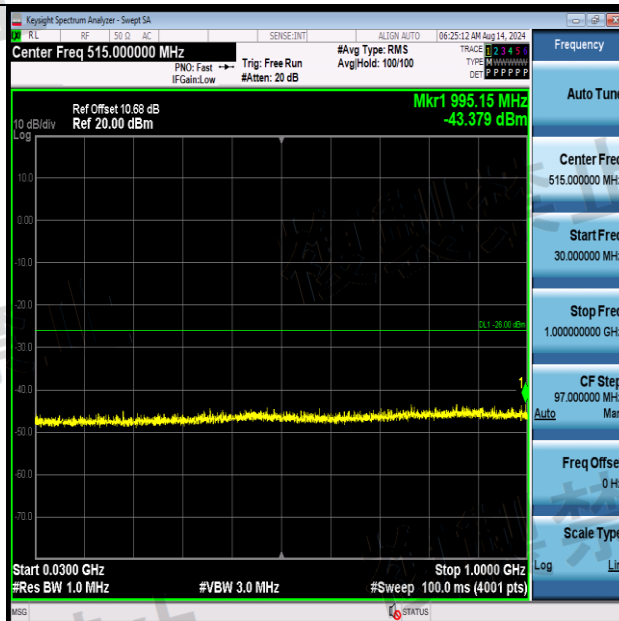
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

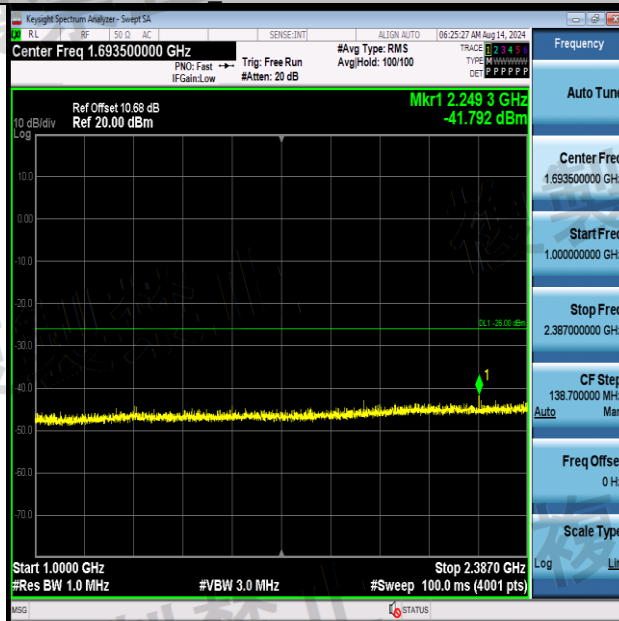


BUREAU
VERITAS

Test Report No.: PSU-QBJ2506170217RJ03



NTNV-BLE 2M-Ant1-2478-30~1000-PASS



NTNV-BLE 2M-Ant1-2478-1000~2387-PASS

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008