

GRANDING TECHNOLOGY CO., LTD.

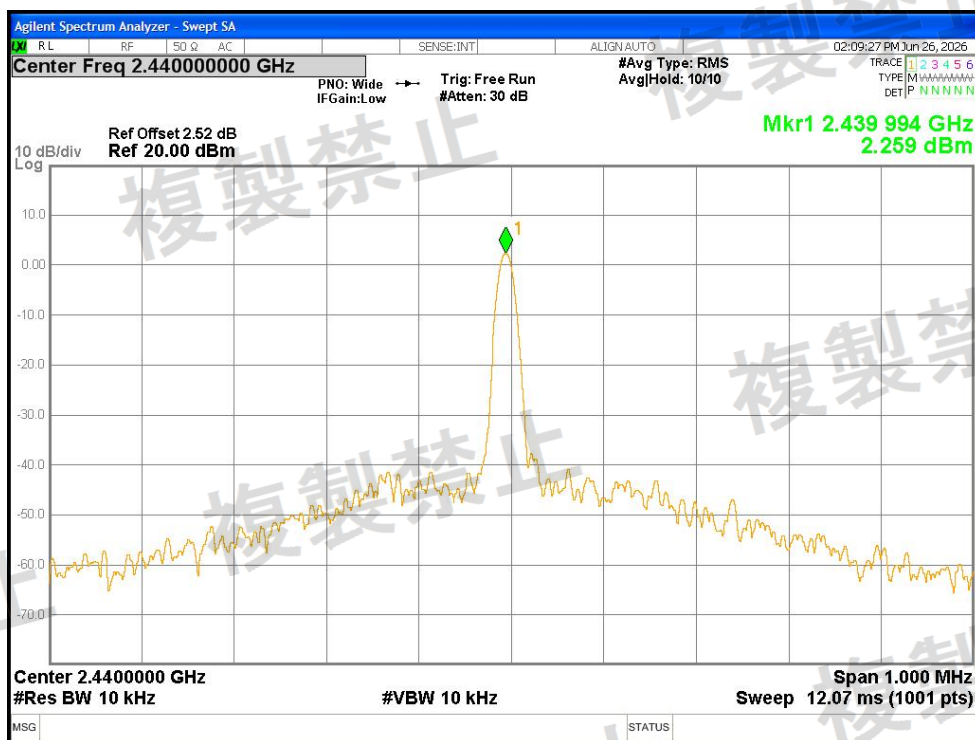
Model: SKI.WB800DCS.2_800DL

1. Frequency Error

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	CW	2402	Ant1	2401.994	-6000	-2.5	50	Pass
NVNT	CW	2440	Ant1	2439.994	-6000	-2.46	50	Pass
NVNT	CW	2480	Ant1	2479.995	-5000	-2.02	50	Pass

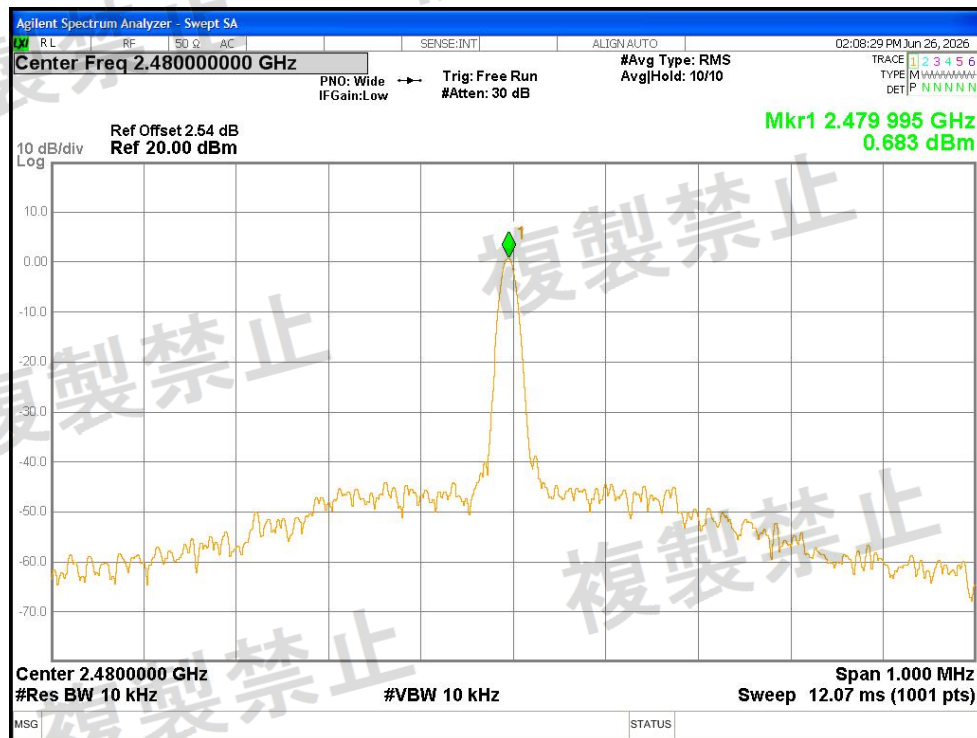


Freq. Error NVNT CW 2402MHz Ant1



Freq. Error NVNT CW 2440MHz Ant1

Report



Freq. Error NVNT CW D2480MHz Ant1

2. Antenna Power

Condition	Mode	Frequency (MHz)	Antenna	Power (dBm)	Power (mW)	Limit (mW)	Declared Power (mW)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	BLE 1M	2402	Ant1	-0.27	0.94	10	5	-81.2	20	Pass
NVNT	BLE 1M	2440	Ant1	-0.28	0.938	10	5	-81.24	20	Pass
NVNT	BLE 1M	2480	Ant1	-1.78	0.664	10	5	-86.72	20	Pass

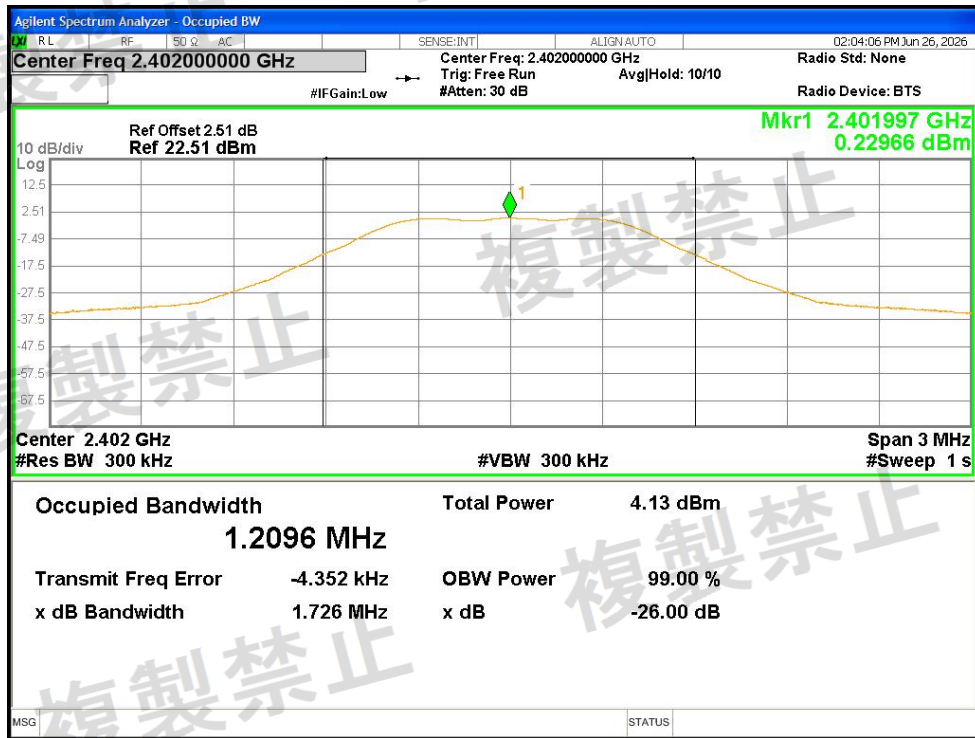
3. EIRP Power

Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (mW)	Antenna Power (dBm)	Gain (dBi)	EIRP Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.94	-0.27	3.90	3.63	12.14	Pass
NVNT	BLE 1M	2440	Ant1	0.938	-0.28	3.90	3.62	12.14	Pass
NVNT	BLE 1M	2480	Ant1	0.664	-1.78	3.90	2.12	12.14	Pass

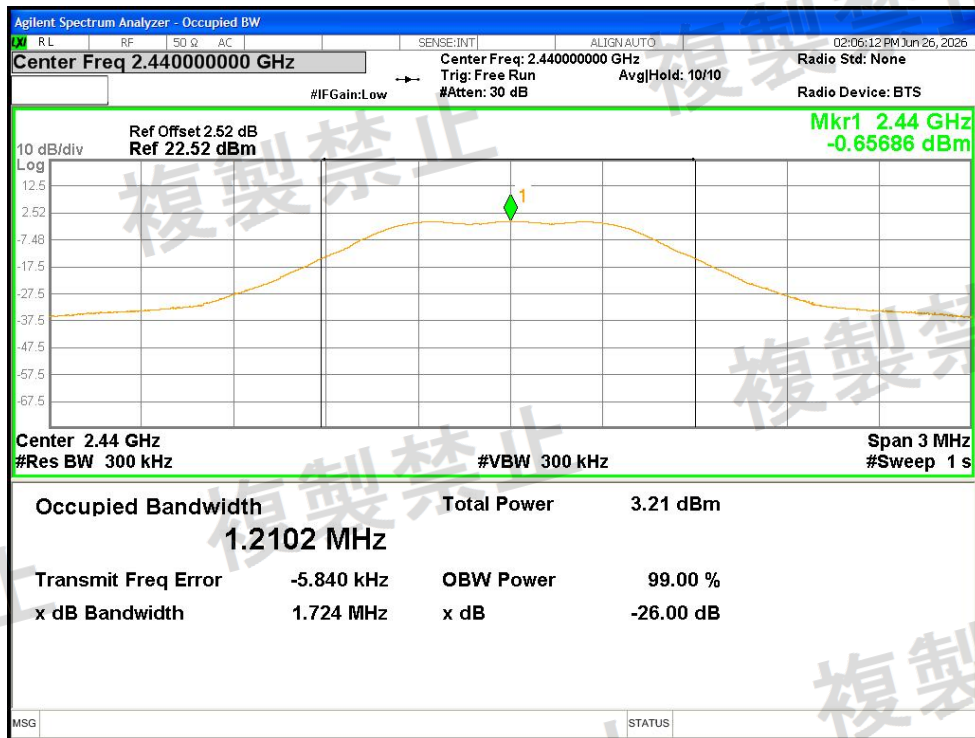
4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.21
NVNT	BLE 1M	2440	Ant1	1.21
NVNT	BLE 1M	2480	Ant1	1.212

Report

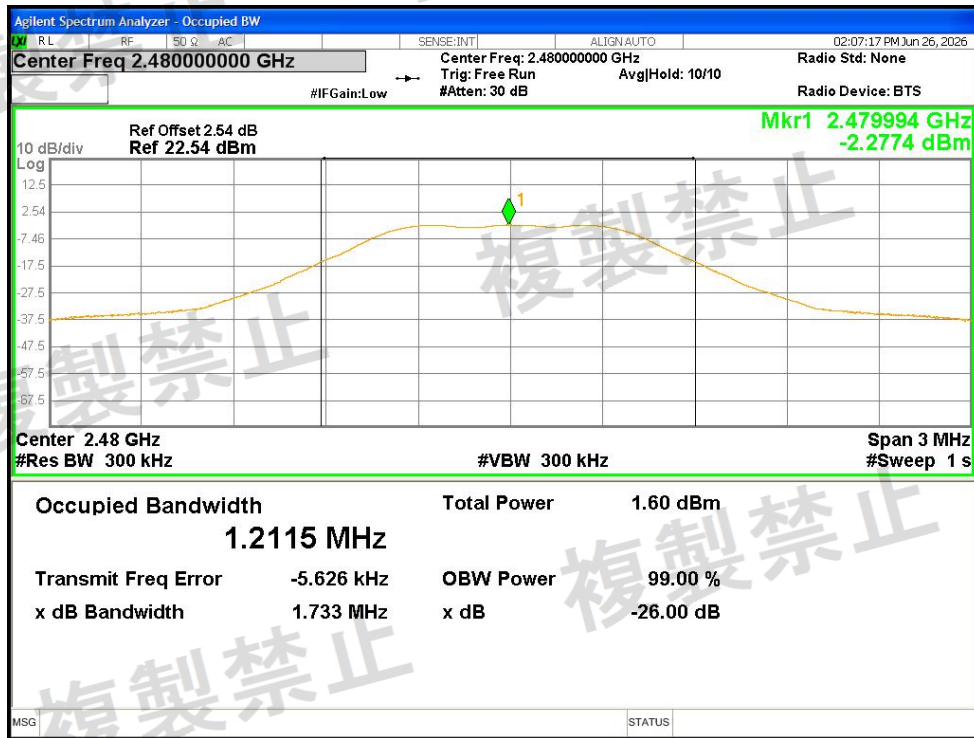


OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1

Report

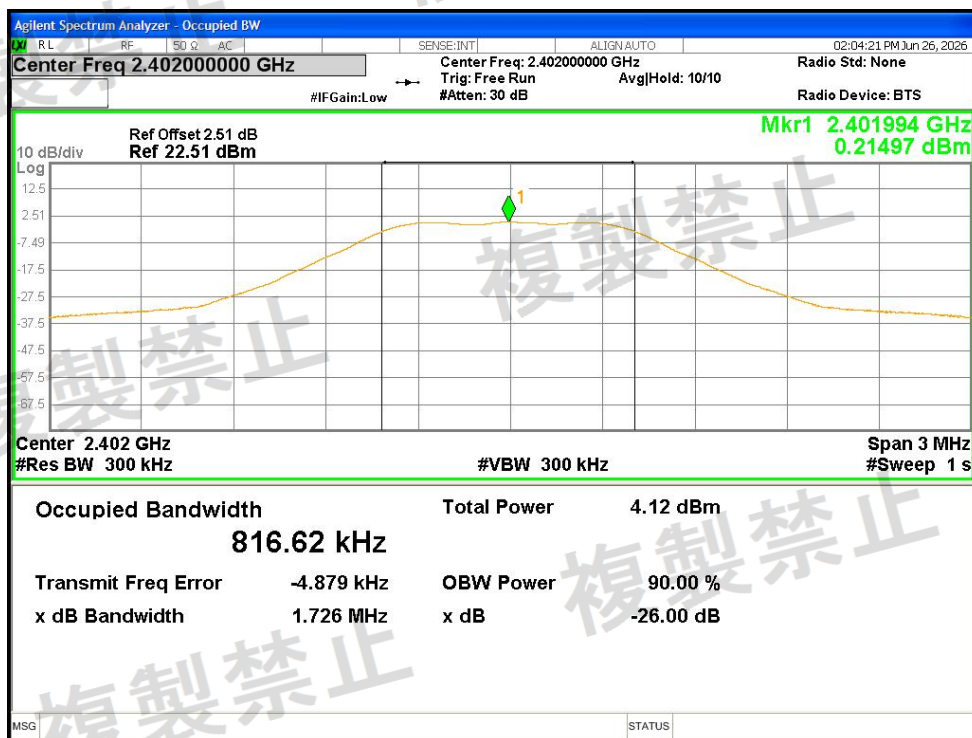


OBW NVNT BLE 1M 2480MHz Ant1

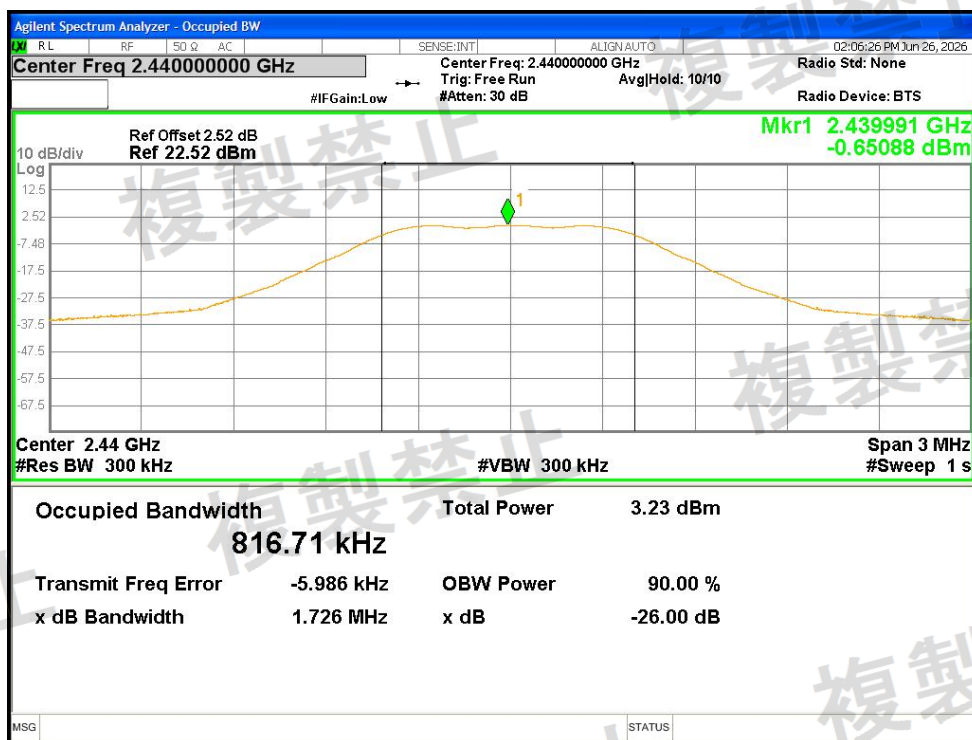
5. Spreading Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.817	Pass
NVNT	BLE 1M	2440	Ant1	0.817	Pass
NVNT	BLE 1M	2480	Ant1	0.817	Pass

Report

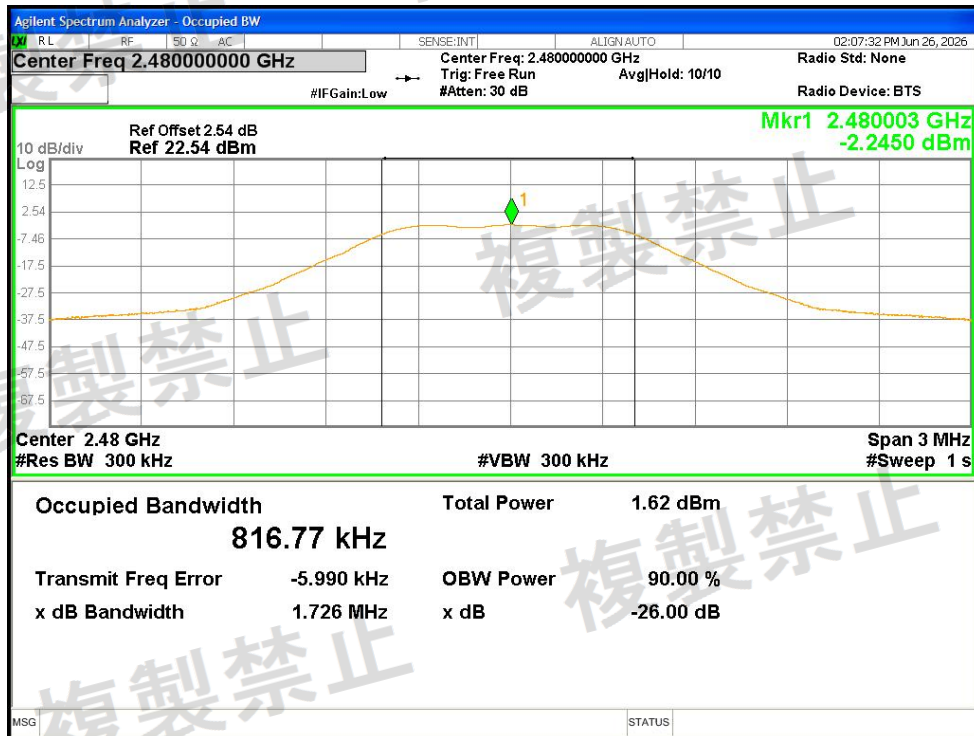


Spreading Bandwidth NVNT BLE 1M 2402MHz Ant1



Spreading Bandwidth NVNT BLE 1M 2440MHz Ant1

Report

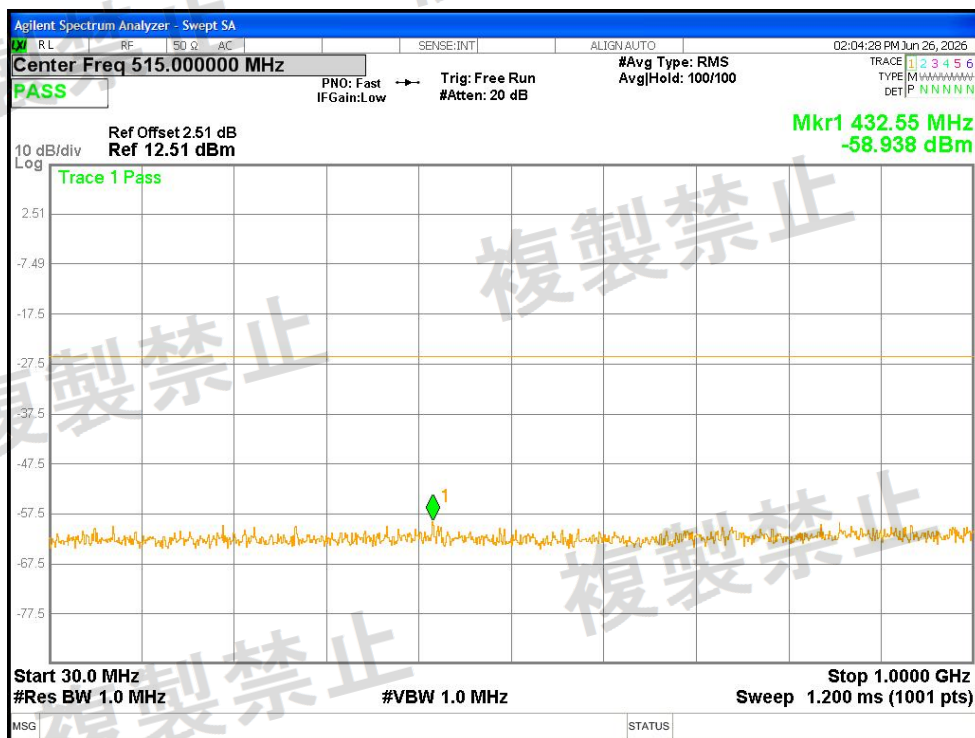


Spreading Bandwidth NVNT BLE 1M 2480MHz Ant1

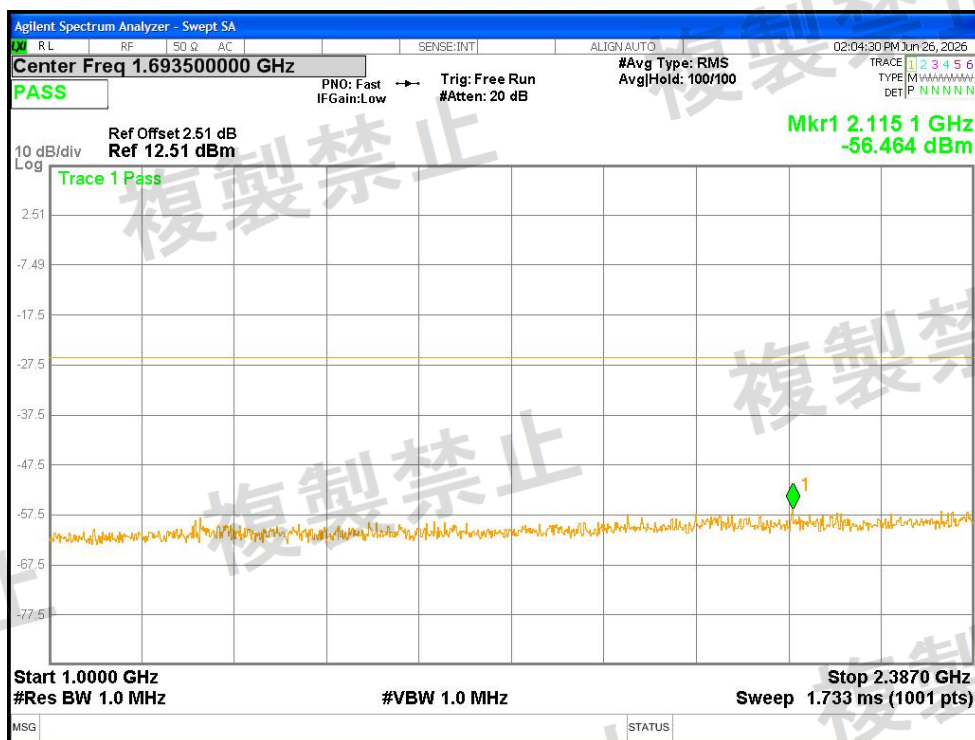
6. Tx Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (uW/MHz)	Max RMS Value (uW/MHz)	Limit Start(uW/MHz)	Limit Stop (uW/MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	432.55	-58.93	NA	0.0013	NA	2.5	2.5	Pass
NVNT	BLE 1M	2402	Ant1	1000-2387	2115.15	-56.46	NA	0.0023	NA	2.5	2.5	Pass
NVNT	BLE 1M	2402	Ant1	2387-2400	2399.87	-28.81	NA	1.3152	NA	25	25	Pass
NVNT	BLE 1M	2402	Ant1	2483.5-2496.5	2486.18	-56.76	NA	0.0021	NA	25	25	Pass
NVNT	BLE 1M	2402	Ant1	2496.5-13000	4807.27	-29.61	NA	1.094	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	961.20	-59.64	NA	0.0011	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	1000-2387	2152.60	-56.60	NA	0.0022	NA	2.5	2.5	Pass
NVNT	BLE 1M	2440	Ant1	2387-2400	2393.49	-55.79	NA	0.0026	NA	25	25	Pass
NVNT	BLE 1M	2440	Ant1	2483.5-2496.5	2485.98	-56.24	NA	0.0024	NA	25	25	Pass
NVNT	BLE 1M	2440	Ant1	2496.5-13000	4880.79	-29.91	NA	1.0209	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	432.55	-58.66	NA	0.0014	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	1000-2387	1829.43	-55.89	NA	0.0026	NA	2.5	2.5	Pass
NVNT	BLE 1M	2480	Ant1	2387-2400	2390.64	-55.41	NA	0.0029	NA	25	25	Pass
NVNT	BLE 1M	2480	Ant1	2483.5-2496.5	2483.77	-40.65	NA	0.0861	NA	25	25	Pass
NVNT	BLE 1M	2480	Ant1	2496.5-13000	4964.82	-32.37	NA	0.5794	NA	2.5	2.5	Pass

Report

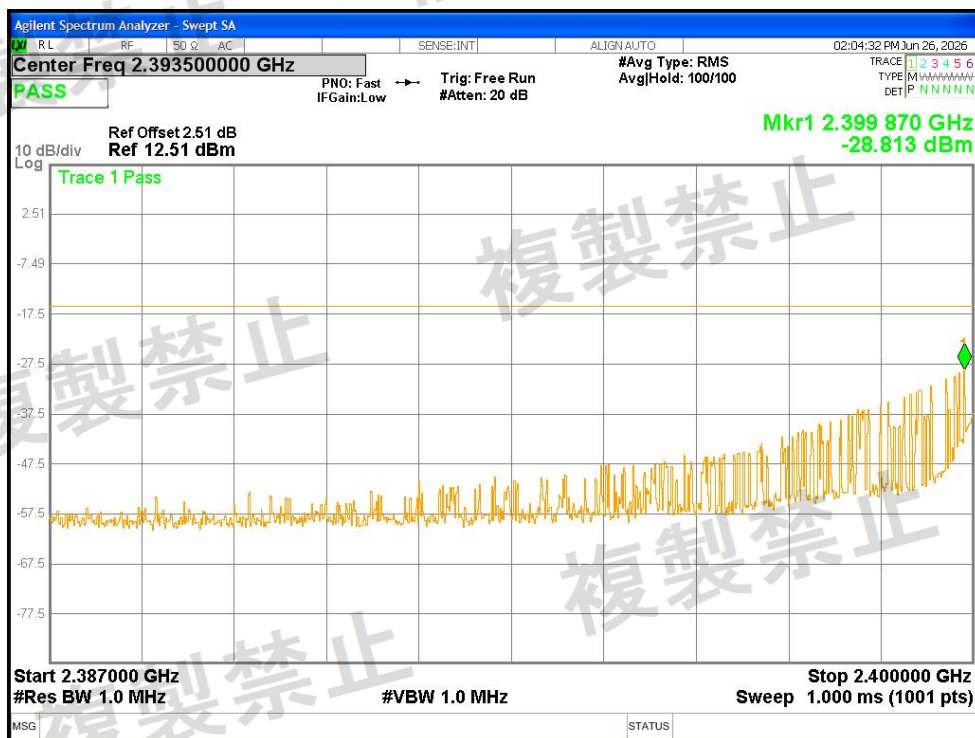


Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz

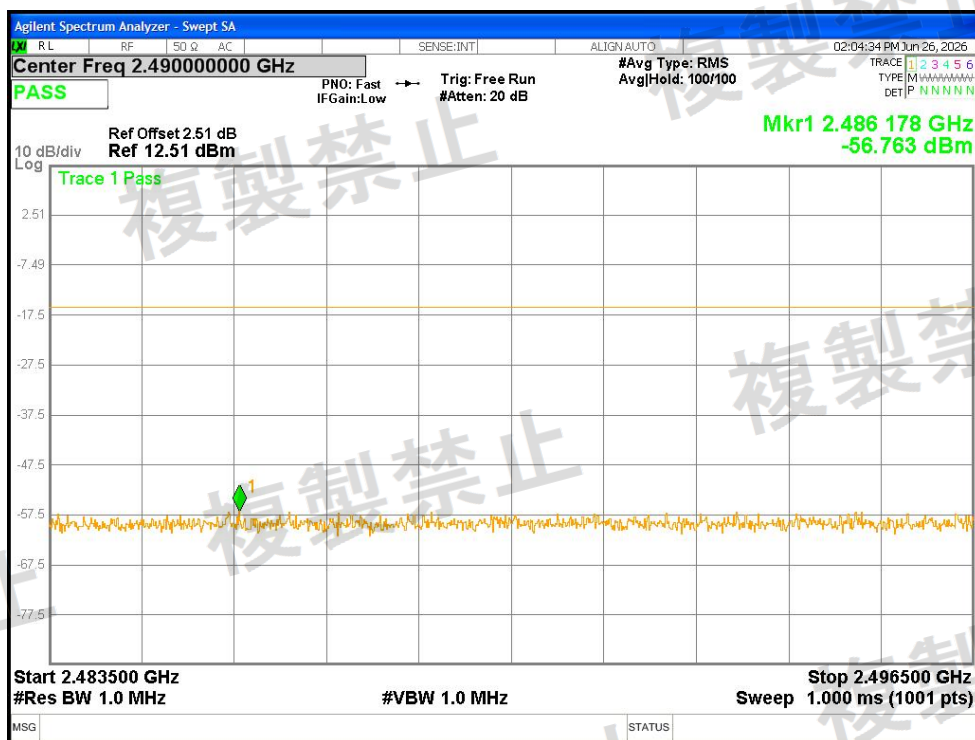


Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-2387MHz

Report



Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2387MHz-2400MHz

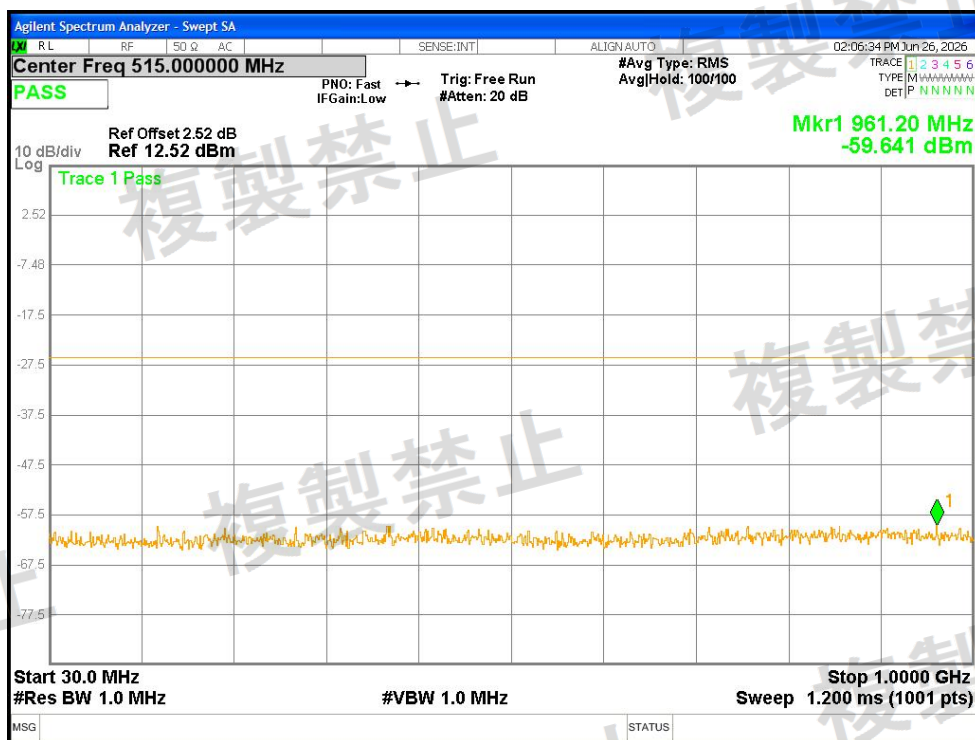


Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2483.5MHz-2496.5MHz

Report

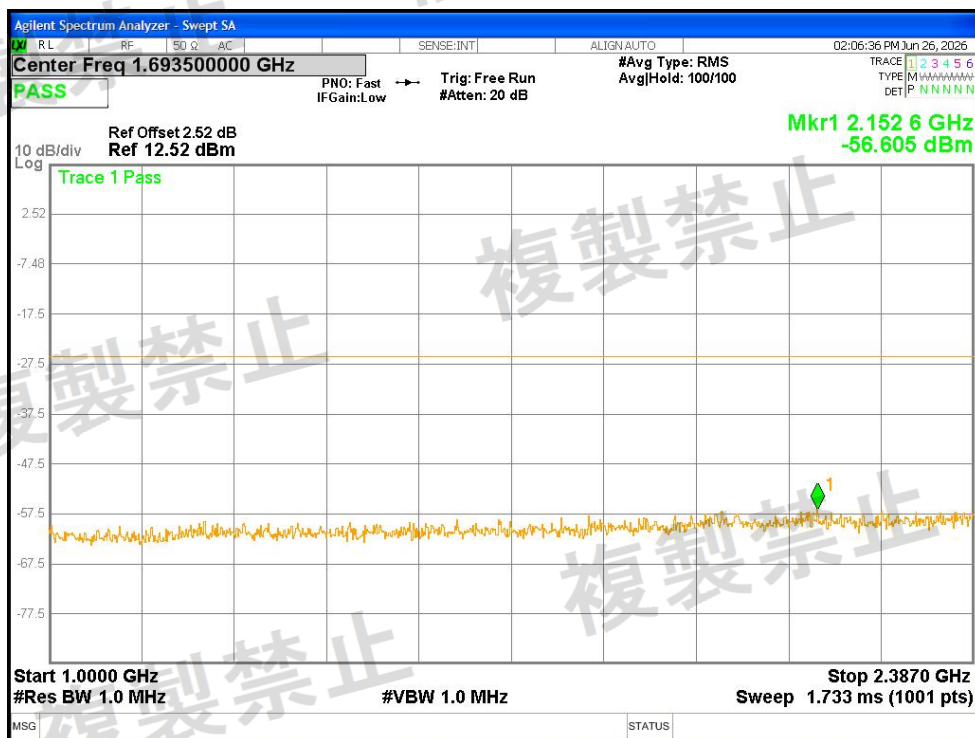


Tx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 2496.5MHz-13000MHz

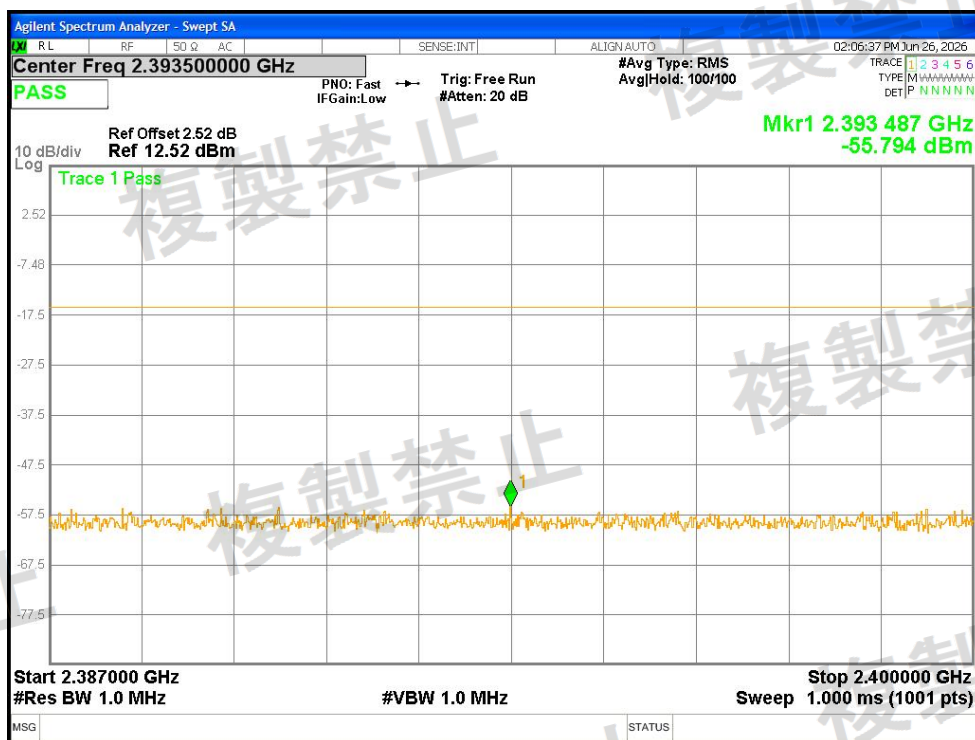


Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz

Report

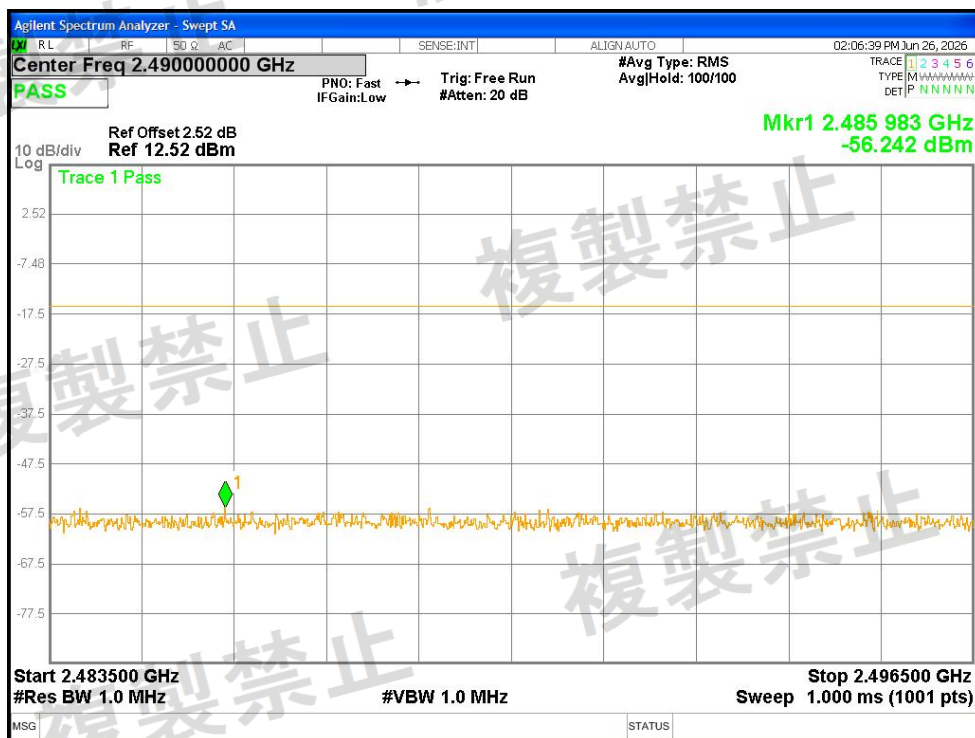


Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-2387MHz

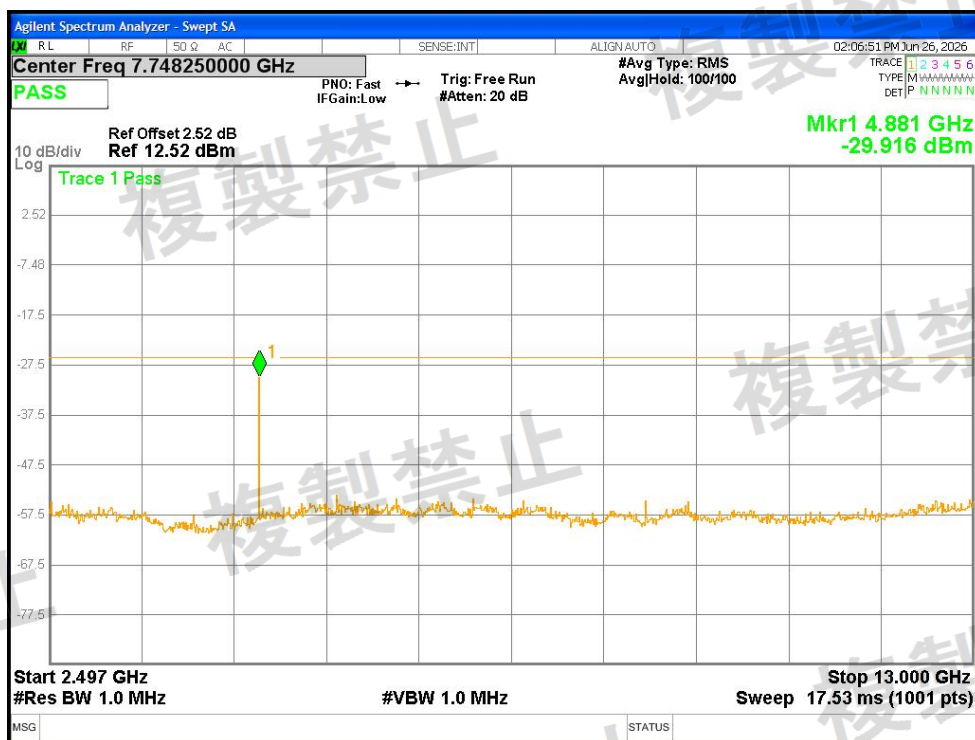


Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2387MHz-2400MHz

Report

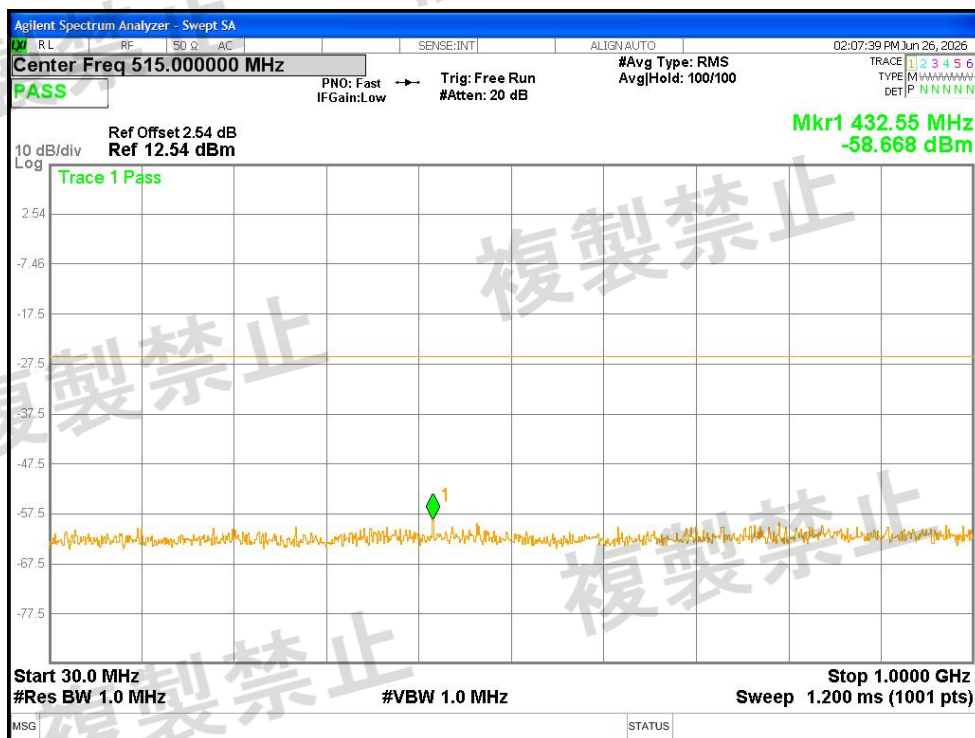


Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2483.5MHz-2496.5MHz

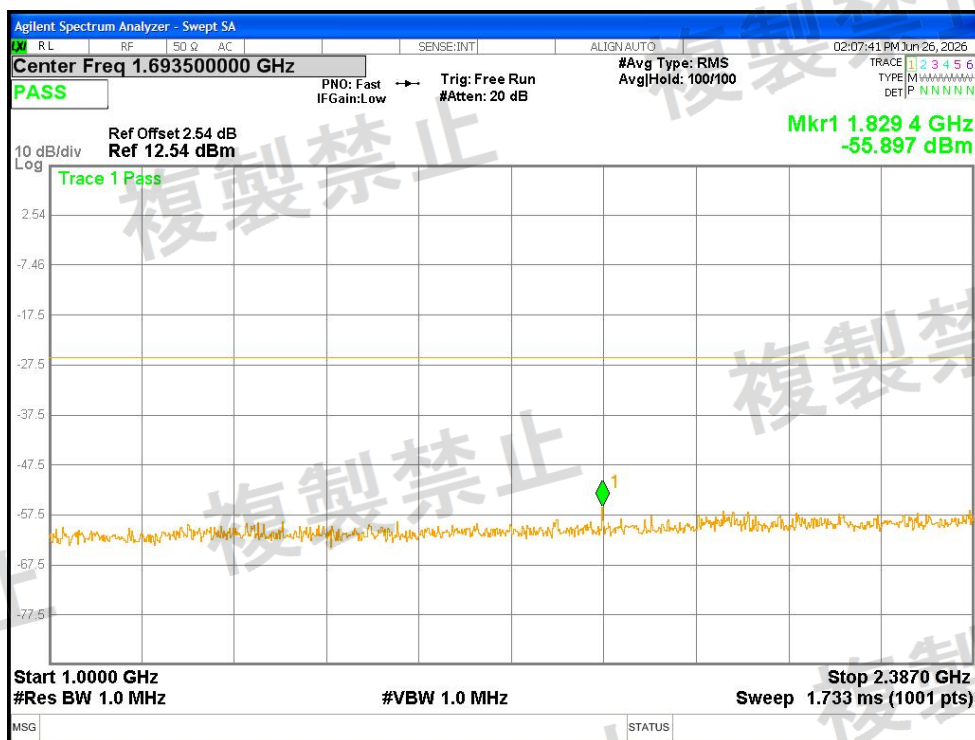


Tx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 2496.5MHz-13000MHz

Report

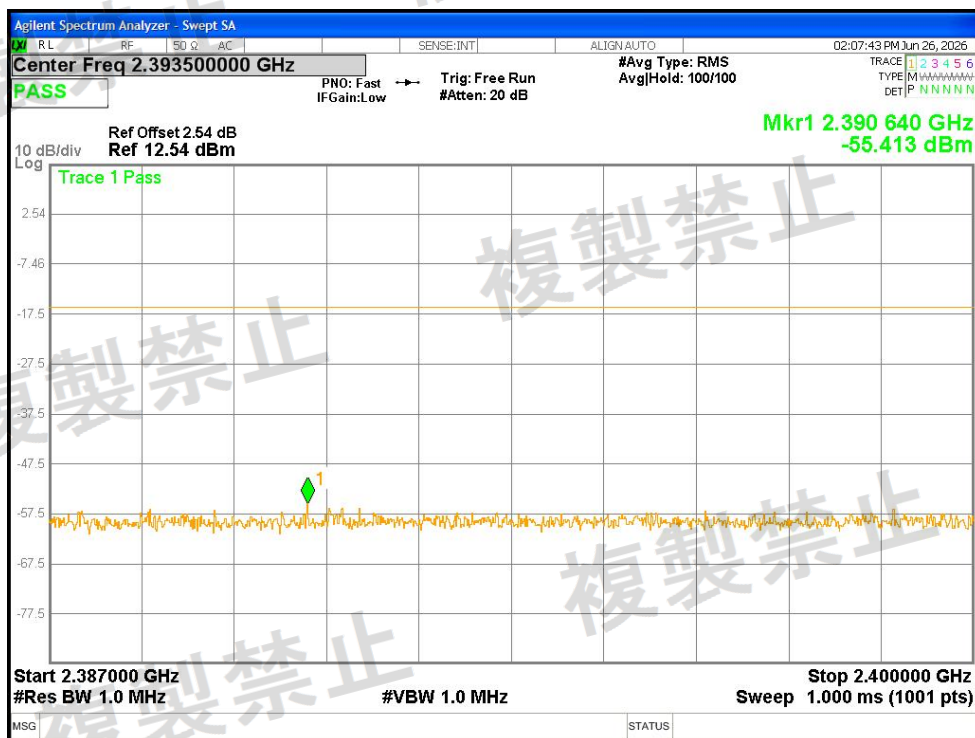


Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz

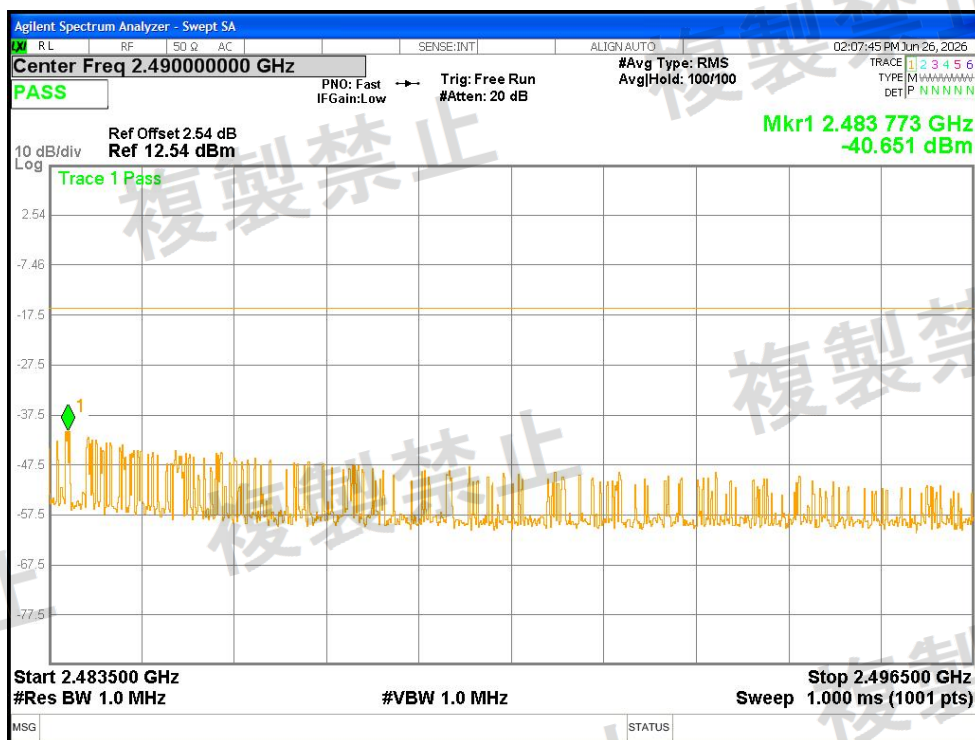


Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-2387MHz

Report

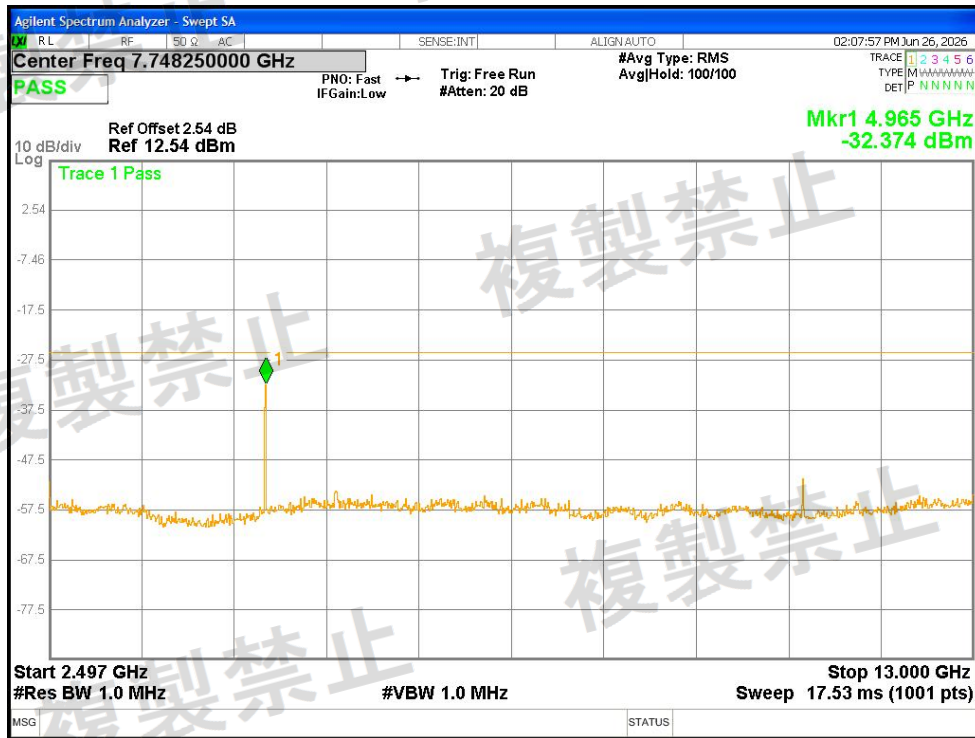


Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2387MHz-2400MHz



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2483.5MHz-2496.5MHz

Report

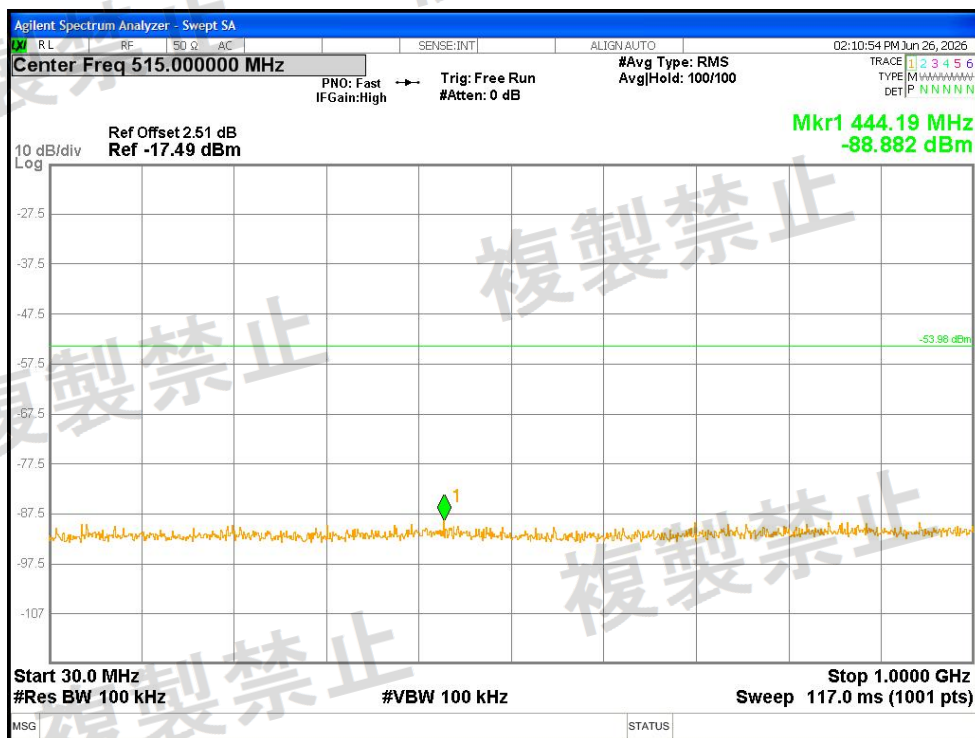


Tx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 2496.5MHz-13000MHz

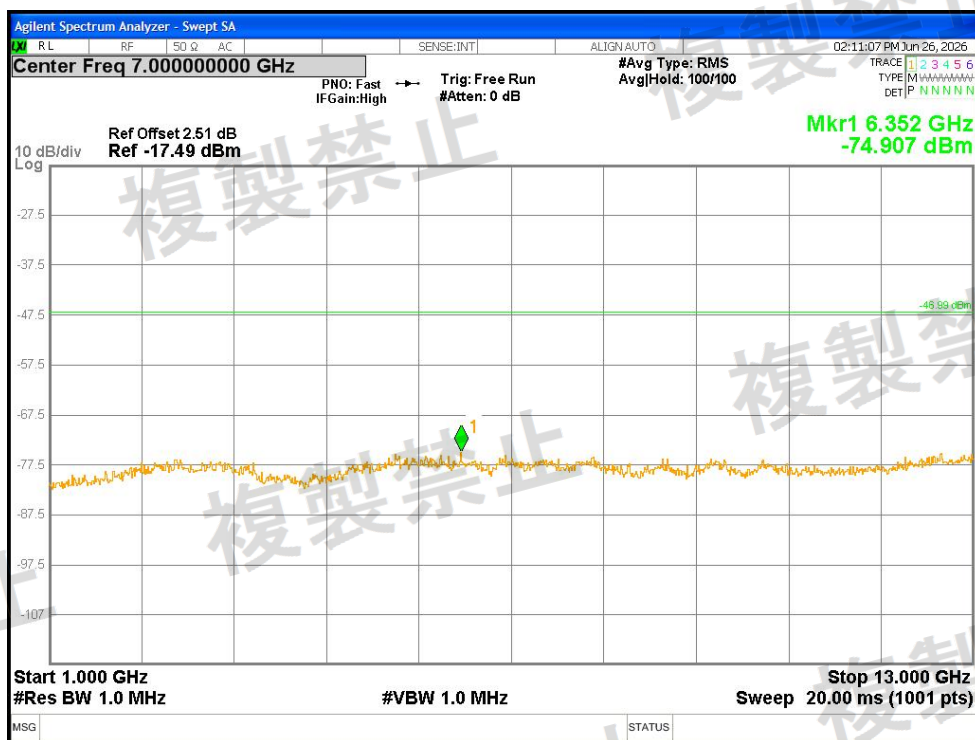
7. Rx Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (nW)	Max RMS Value (nW)	Limit (nW)	Verdict
NVNT	BLE 1M	2402	Ant1	30-1000	444.19	-88.88	NA	0.0013	NA	4	Pass
NVNT	BLE 1M	2402	Ant1	1000-13000	6352.00	-74.91	NA	0.0323	NA	20	Pass
NVNT	BLE 1M	2440	Ant1	30-1000	861.29	-88.21	NA	0.0015	NA	4	Pass
NVNT	BLE 1M	2440	Ant1	1000-13000	12952.00	-75.03	NA	0.0314	NA	20	Pass
NVNT	BLE 1M	2480	Ant1	30-1000	833.16	-88.23	NA	0.0015	NA	4	Pass
NVNT	BLE 1M	2480	Ant1	1000-13000	12880.00	-74.95	NA	0.032	NA	20	Pass

Report

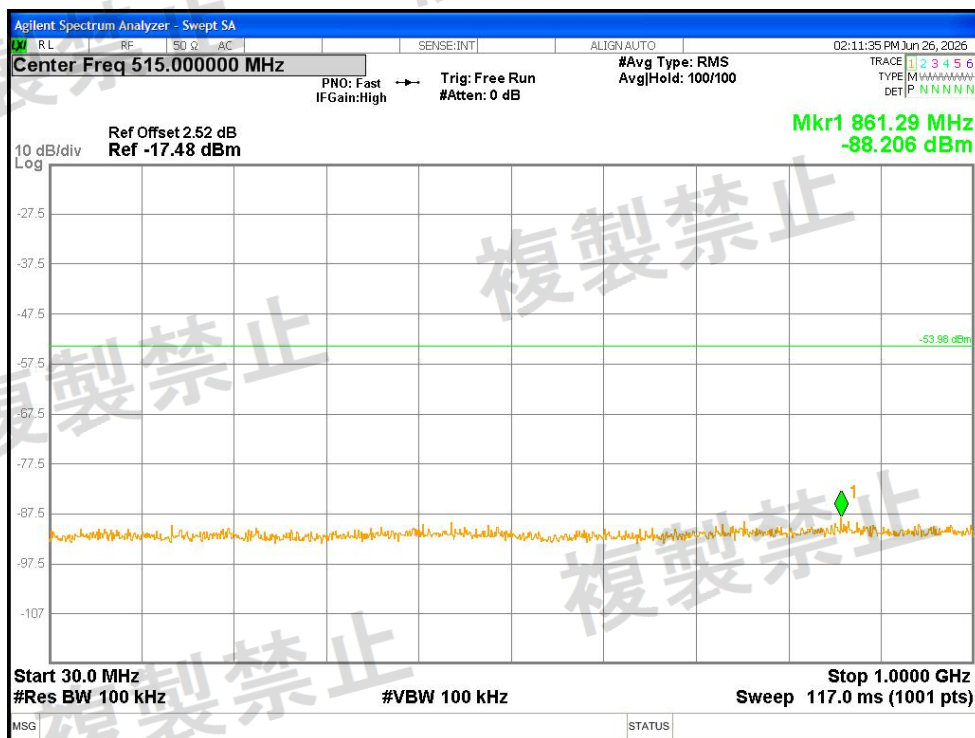


Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 30MHz-1000MHz

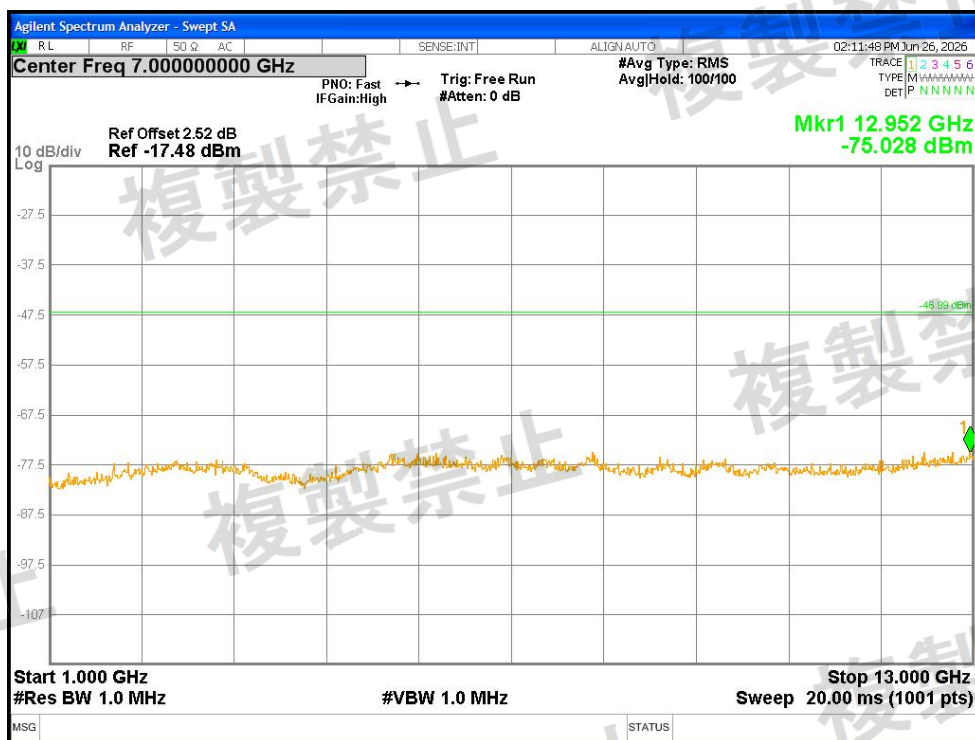


Rx. Spurious NVNT BLE 1M 2402MHz Ant1 @ 1000MHz-13000MHz

Report

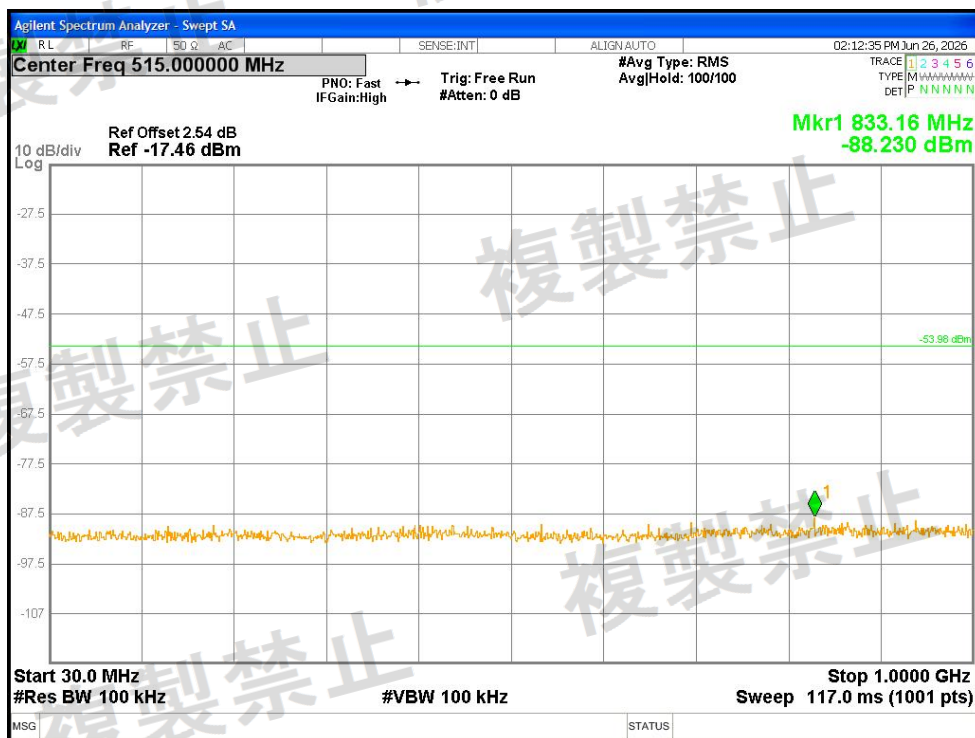


Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 30MHz-1000MHz

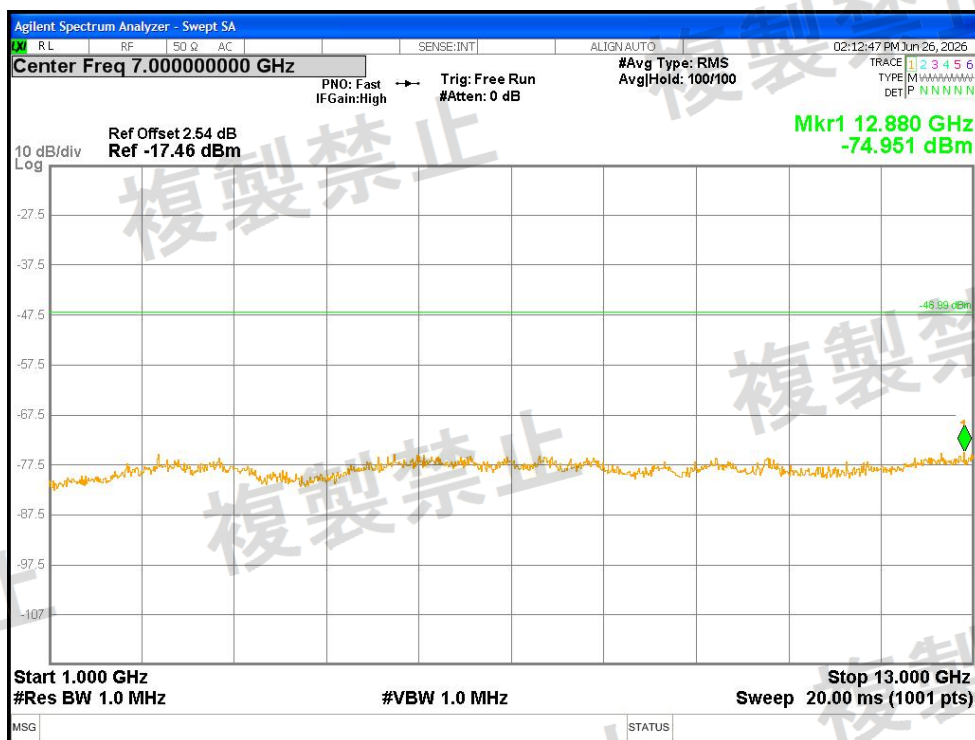


Rx. Spurious NVNT BLE 1M 2440MHz Ant1 @ 1000MHz-13000MHz

Report



Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 30MHz-1000MHz



Rx. Spurious NVNT BLE 1M 2480MHz Ant1 @ 1000MHz-13000MHz