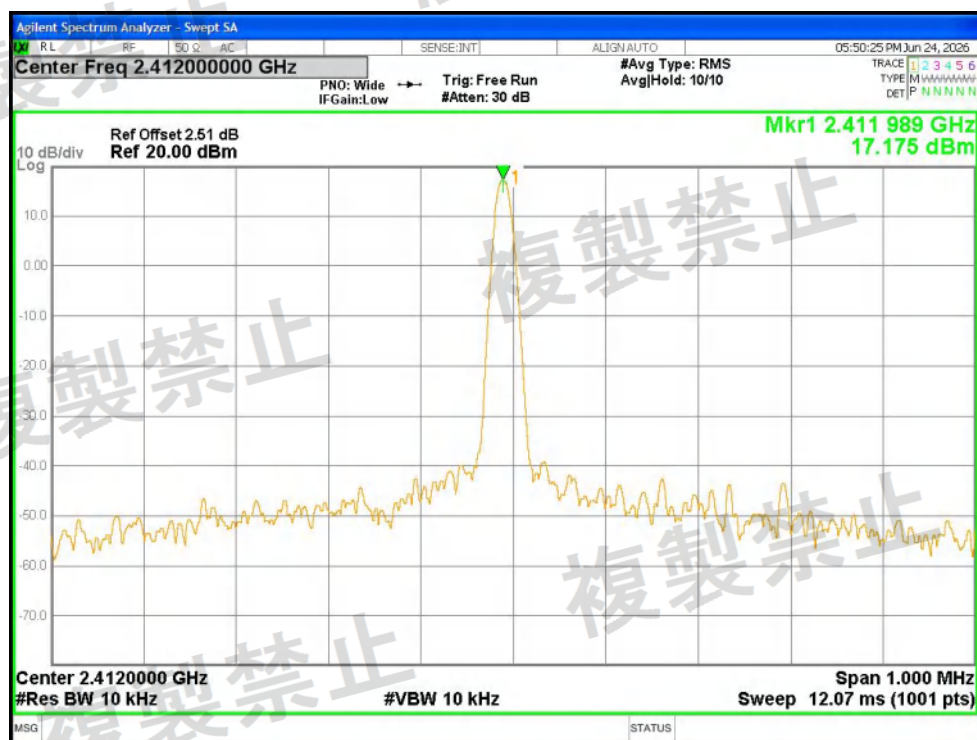


GRANDING TECHNOLOGY CO., LTD.

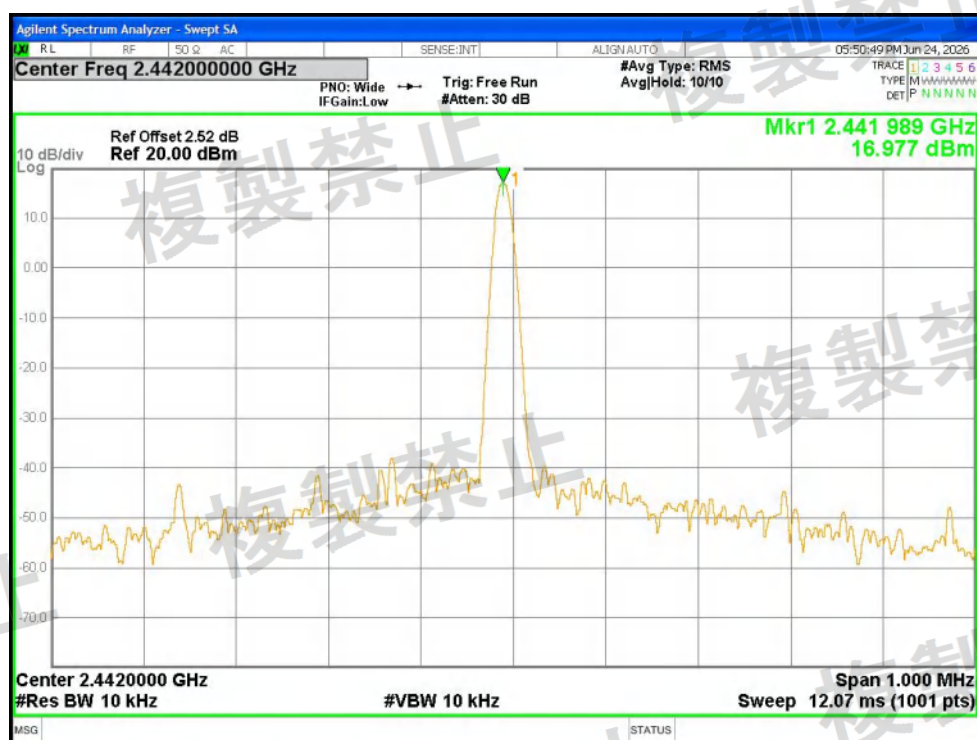
Model: SKI.WB800DCS.2_800DL

1. Frequency Error

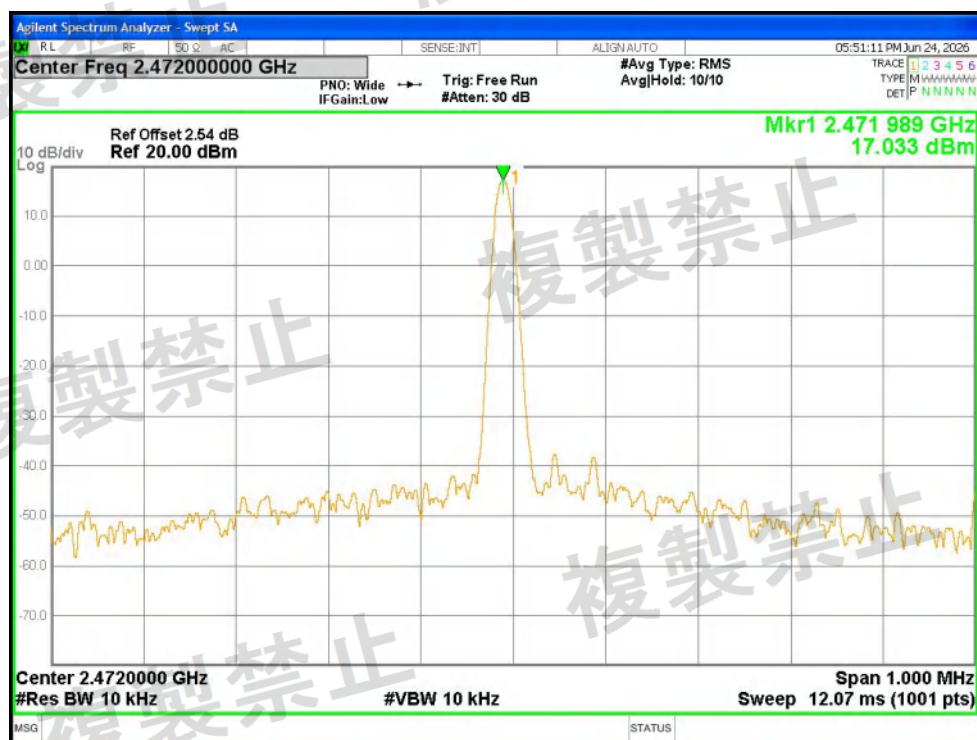
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	CW	2412	Ant1	2411.989	-11000	-4.56	50	Pass
NVNT	CW	2442	Ant1	2441.989	-11000	-4.5	50	Pass
NVNT	CW	2472	Ant1	2471.989	-11000	-4.45	50	Pass
NVNT	CW	2422	Ant1	2421.996	-4000	-1.65	50	Pass
NVNT	CW	2442	Ant1	2441.989	-11000	-4.5	50	Pass
NVNT	CW	2462	Ant1	2461.989	-11000	-4.47	50	Pass



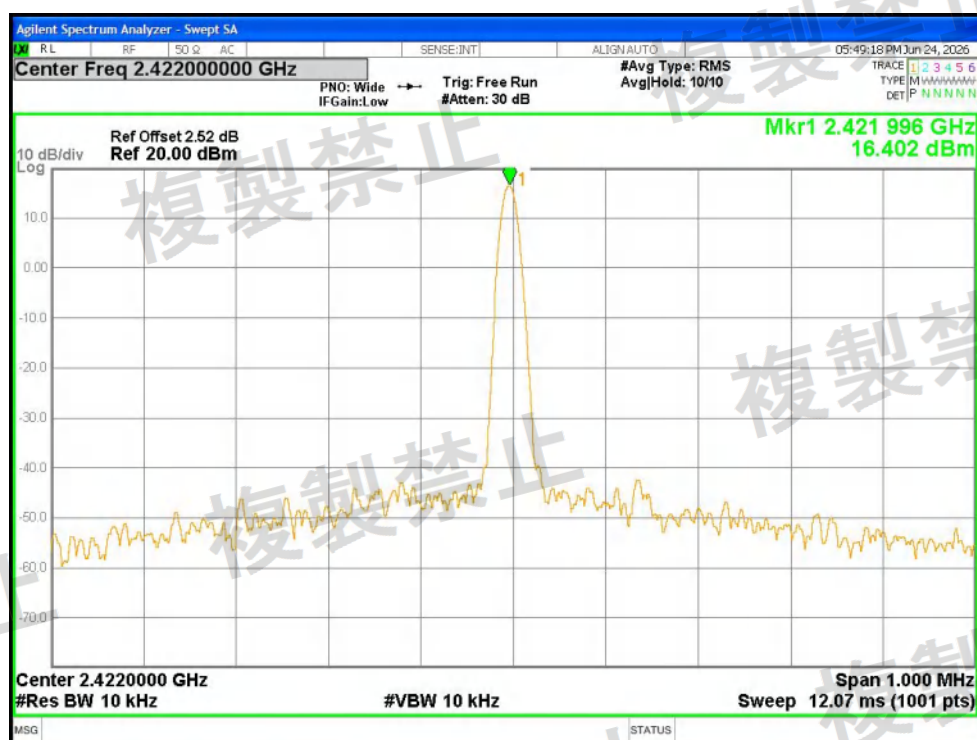
Freq. Error NVNT CW 2412MHz Ant1



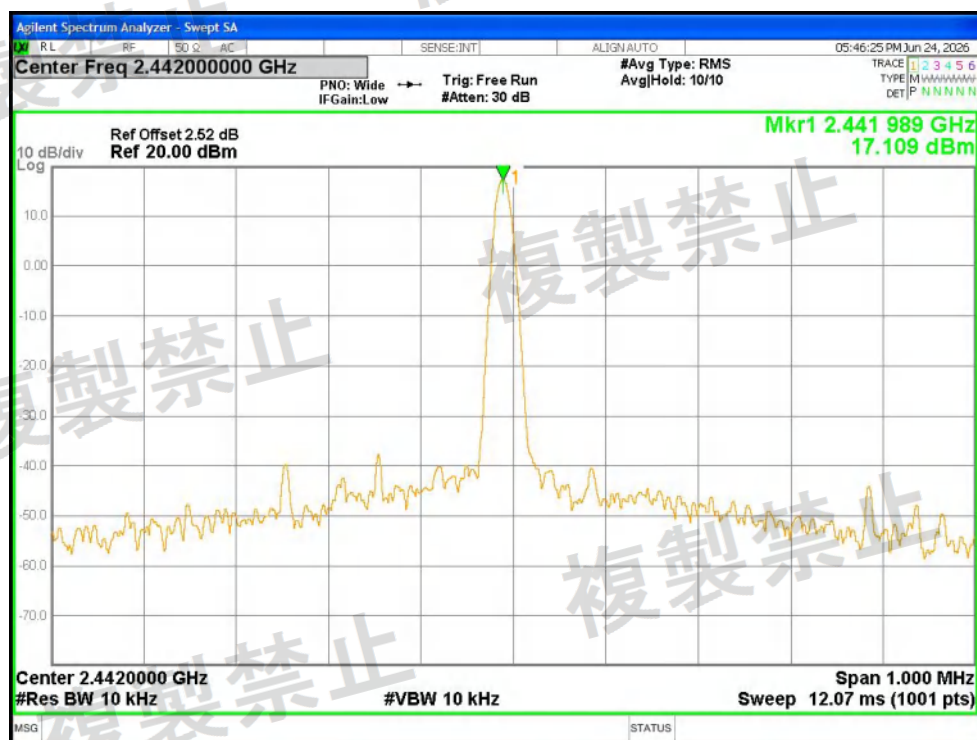
Freq. Error NVNT CW 2442MHz Ant1



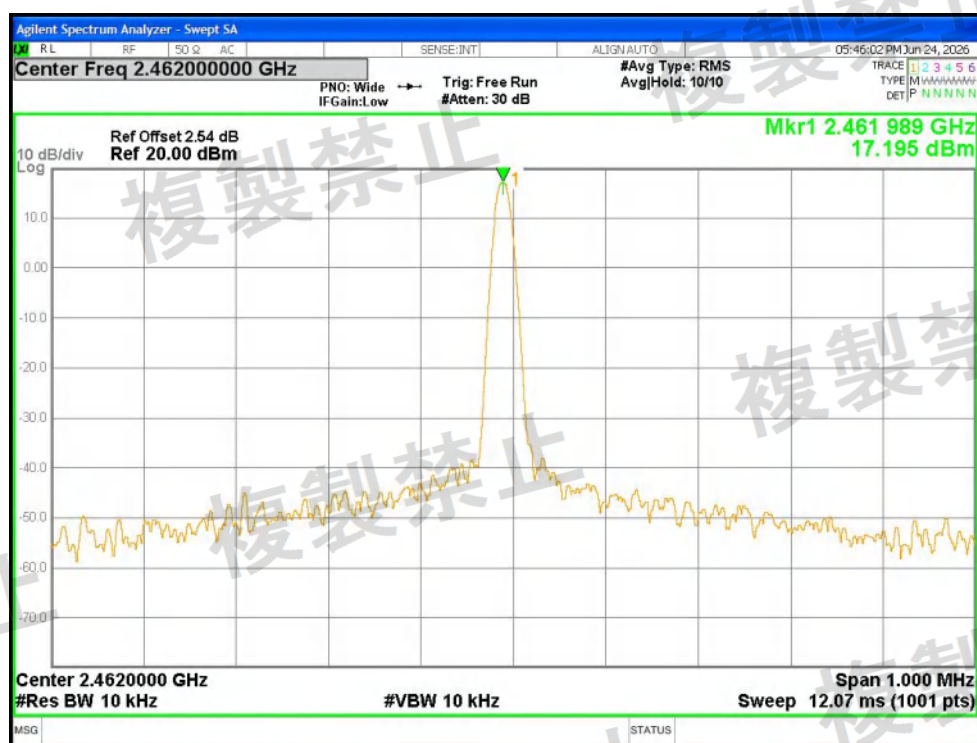
Freq. Error NVNT CW 2472MHz Ant1



Freq. Error NVNT CW 2422MHz Ant1



Freq. Error NVNT CW 2442MHz Ant1

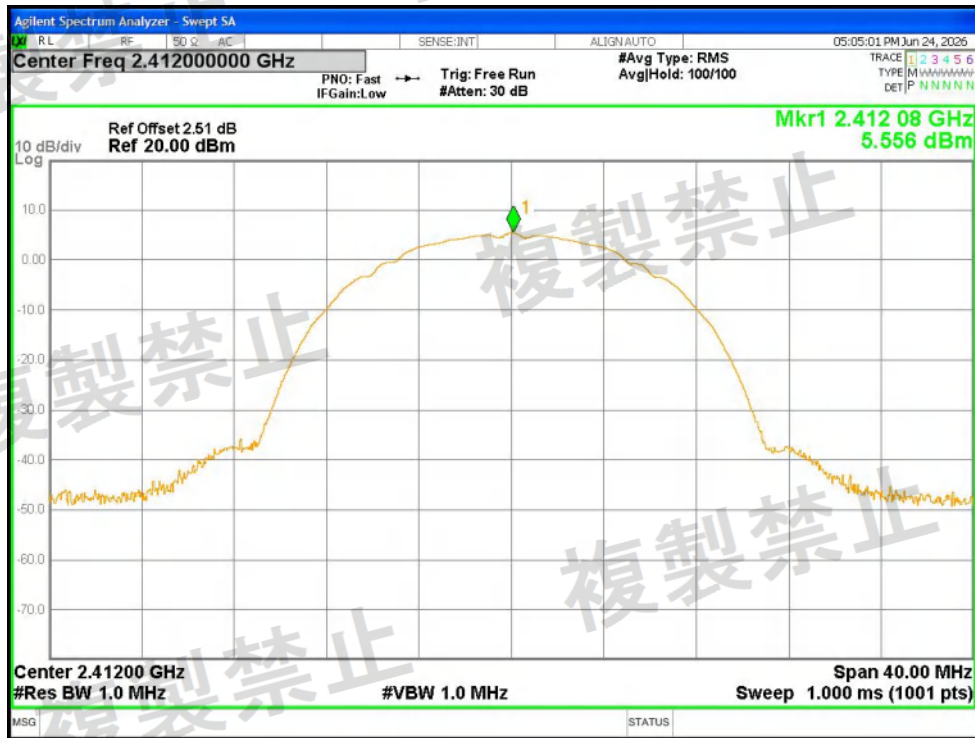


Freq. Error NVNT CW 2462MHz Ant1

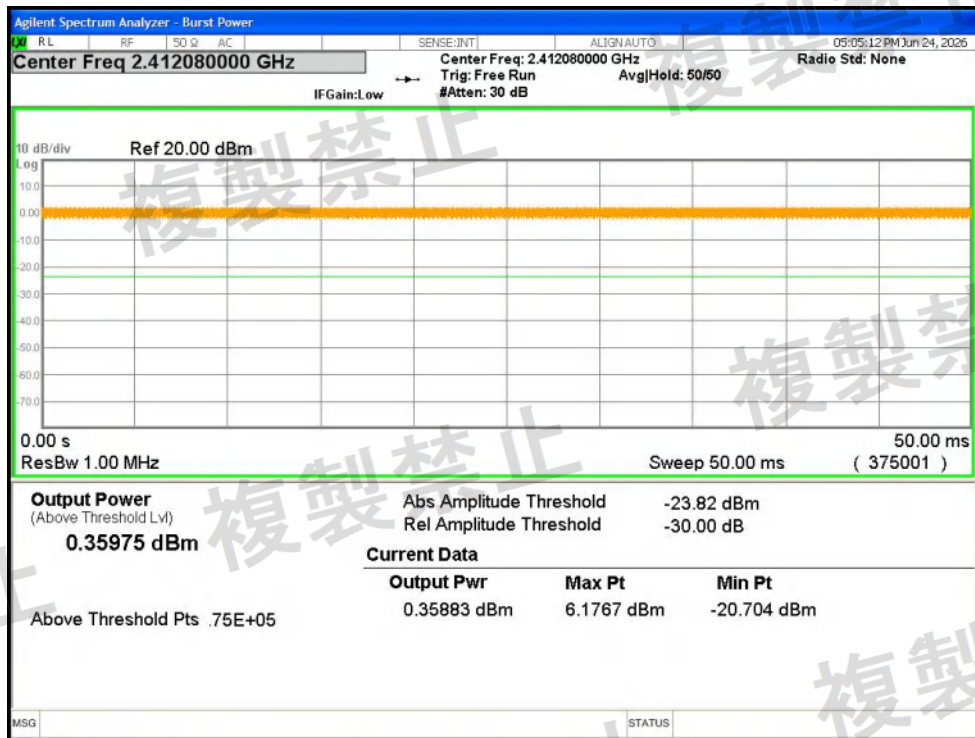
2. Antenna Power

Condition	Mode	Frequency (MHz)	Antenna	Power (dBm/MHz)	Power (mW/MHz)	Limit (mW/MHz)	Declared Power (mW/MHz)	Tolerance (%)	Lower Limit (%)	Upper Limit (%)	Verdict
NVNT	b	2412	Ant1	0.36	1.086	10	1	8.64	-	20	Pass
NVNT	b	2442	Ant1	0.06	1.014	10	1	1.39	-	20	Pass
NVNT	b	2472	Ant1	-0.18	0.959	10	1	-4.06	-	20	Pass
NVNT	g	2412	Ant1	-0.18	0.959	10	1	-4.06	-	20	Pass
NVNT	g	2442	Ant1	-0.43	0.906	10	1	-9.43	-	20	Pass
NVNT	g	2472	Ant1	-0.78	0.836	10	1	-16.44	-	20	Pass
NVNT	n20	2412	Ant1	-0.75	0.841	10	1	-15.86	-	20	Pass
NVNT	n20	2442	Ant1	-0.64	0.863	10	1	-13.7	-	20	Pass
NVNT	n20	2472	Ant1	-1.12	0.773	10	1	-22.73	-	20	Pass
NVNT	n40	2422	Ant1	-0.88	0.817	5	1	-18.34	-	20	Pass
NVNT	n40	2442	Ant1	-1.3	0.741	5	1	-25.87	-	20	Pass
NVNT	n40	2462	Ant1	-1.7	0.676	5	1	-32.39	-	20	Pass

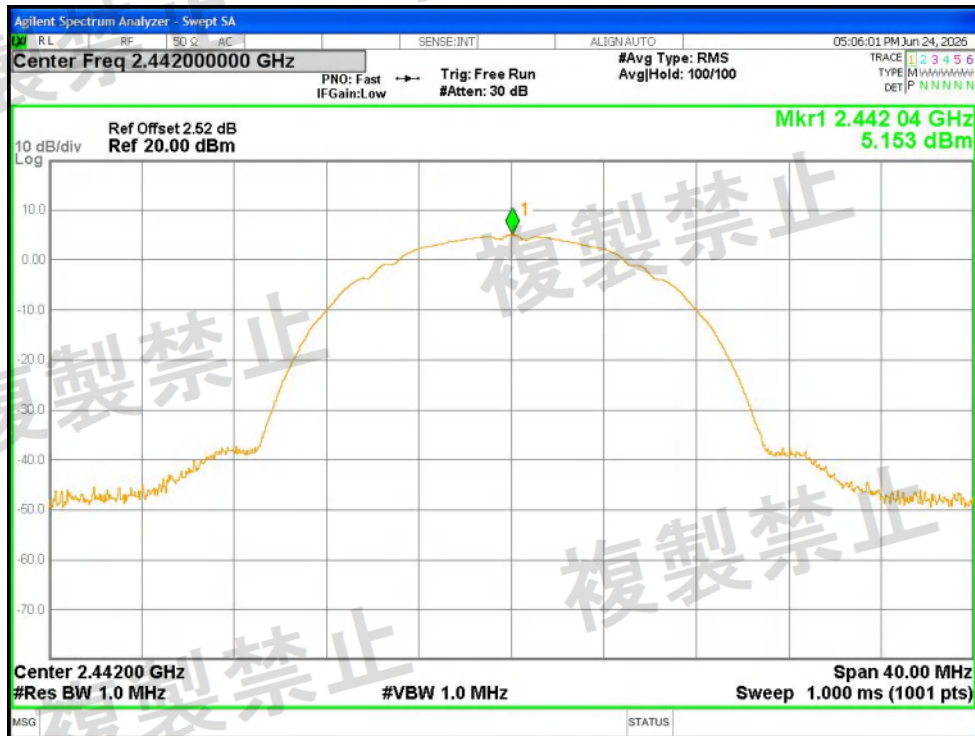
Report



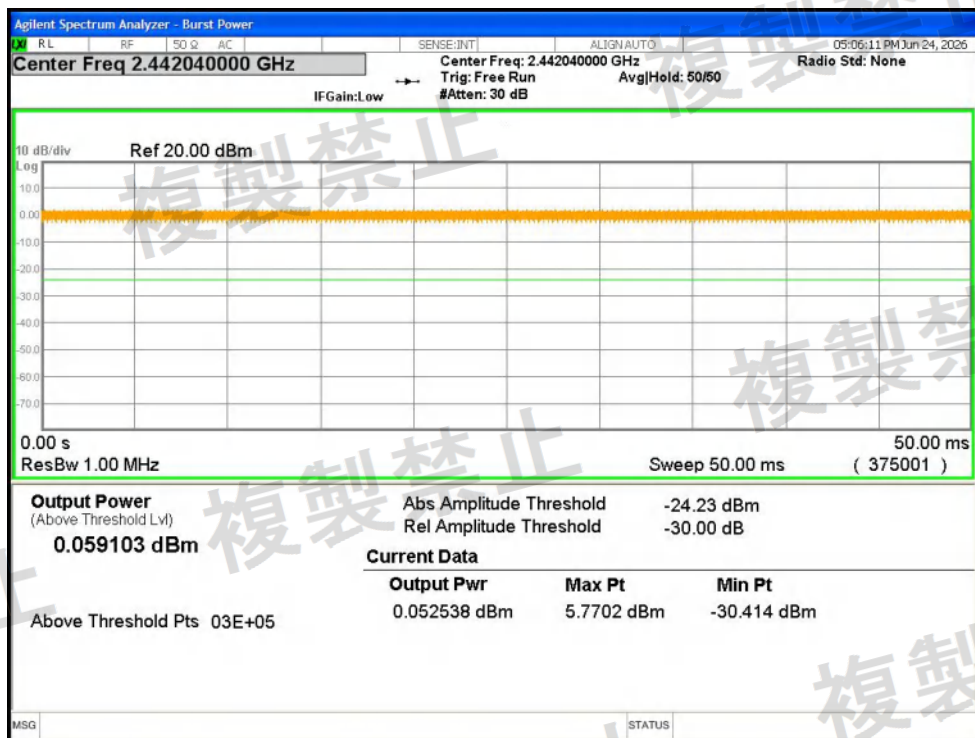
Power NVNT b 2412MHz Ant1 Pre Scan



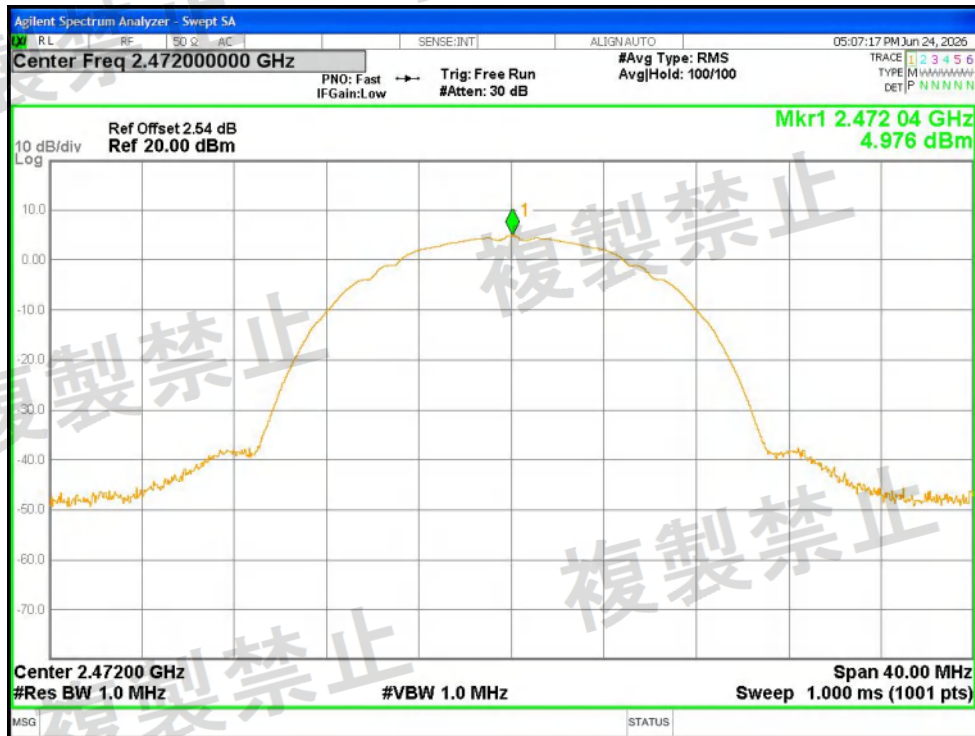
Power NVNT b 2412MHz Ant1 Zero Span



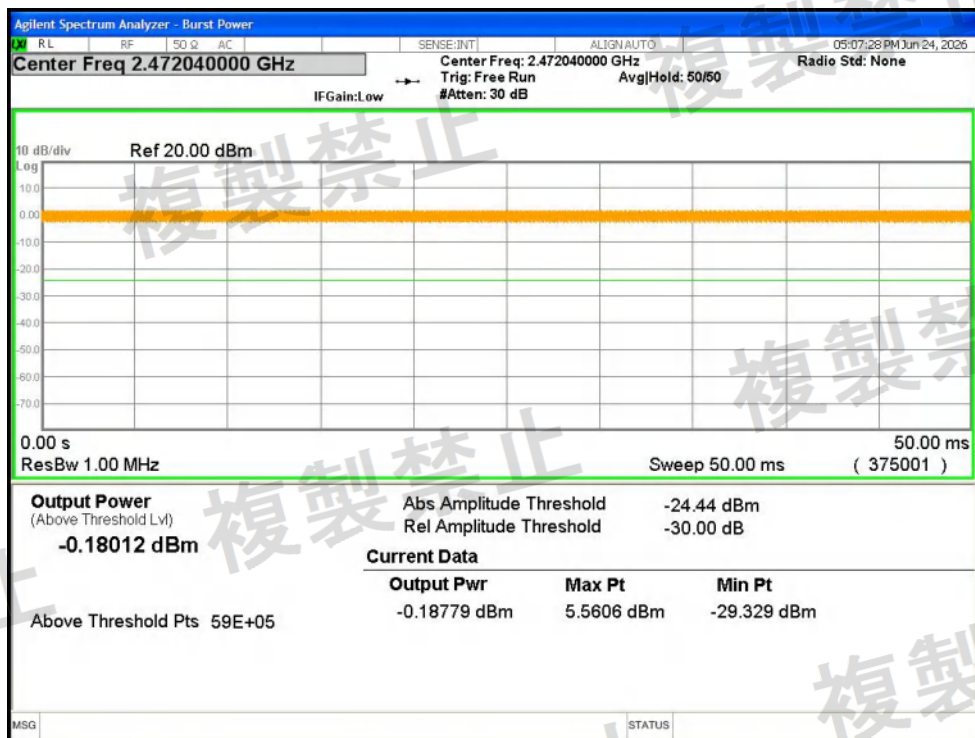
Power NVNT b 2442MHz Ant1 Pre Scan



Power NVNT b 2442MHz Ant1 Zero Span

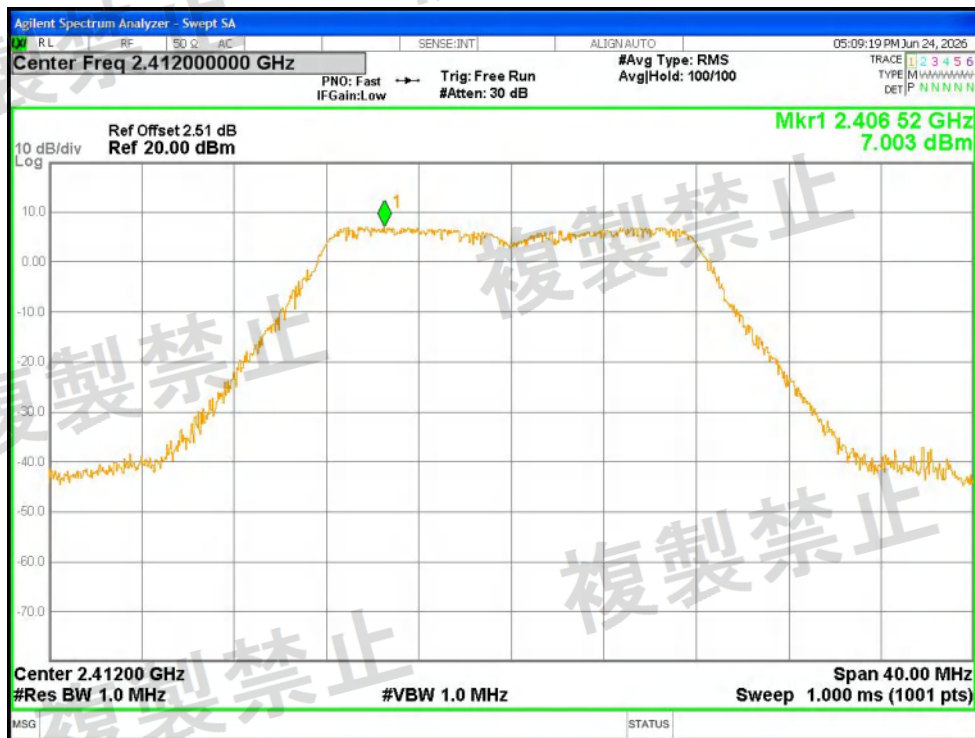


Power NVNT b 2472MHz Ant1 Pre Scan

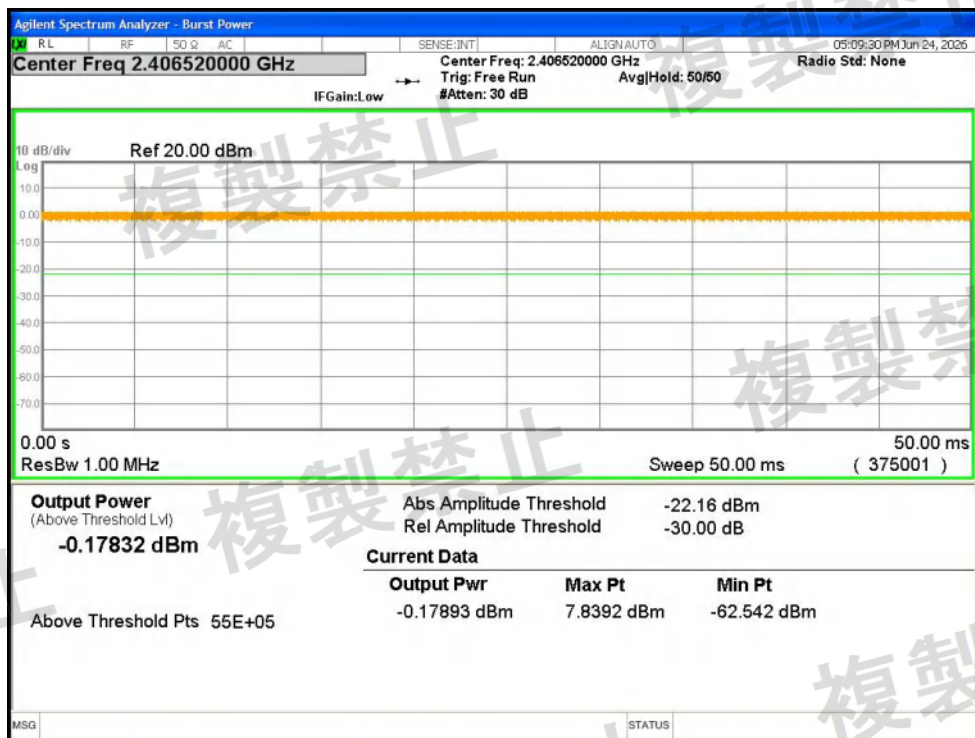


Power NVNT b 2472MHz Ant1 Zero Span

Report

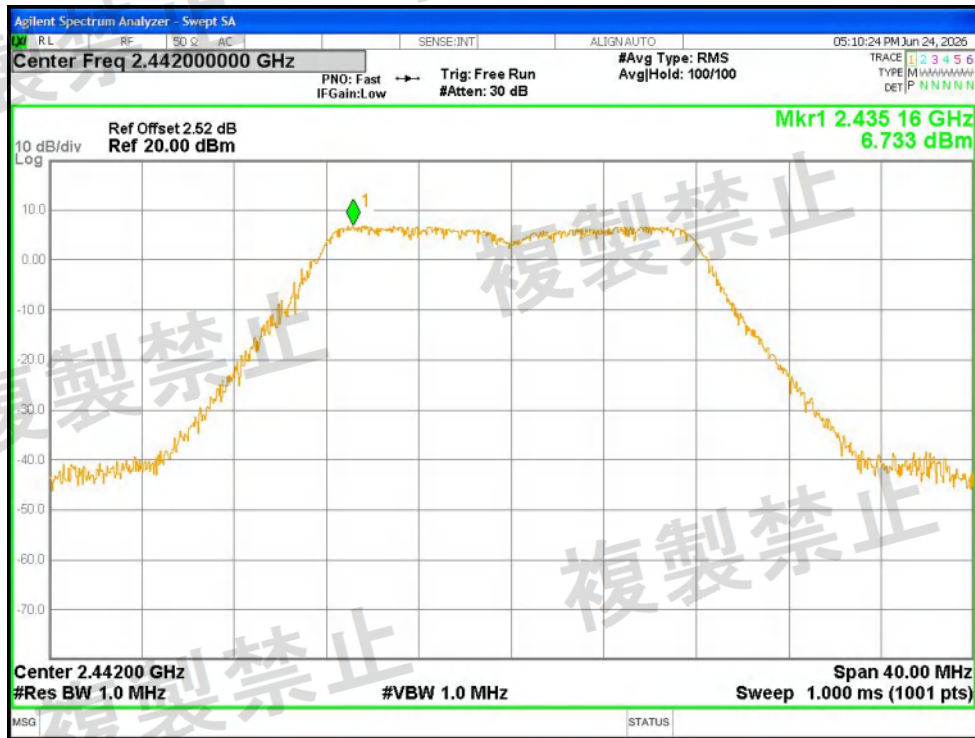


Power NVNT g 2412MHz Ant1 Pre Scan

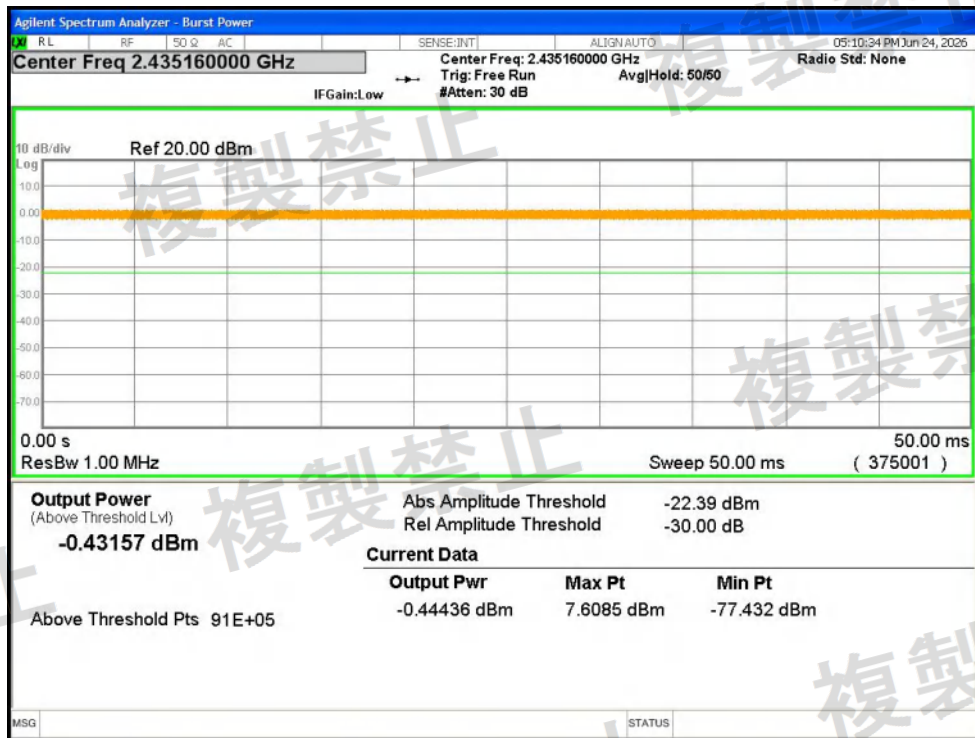


Power NVNT g 2412MHz Ant1 Zero Span

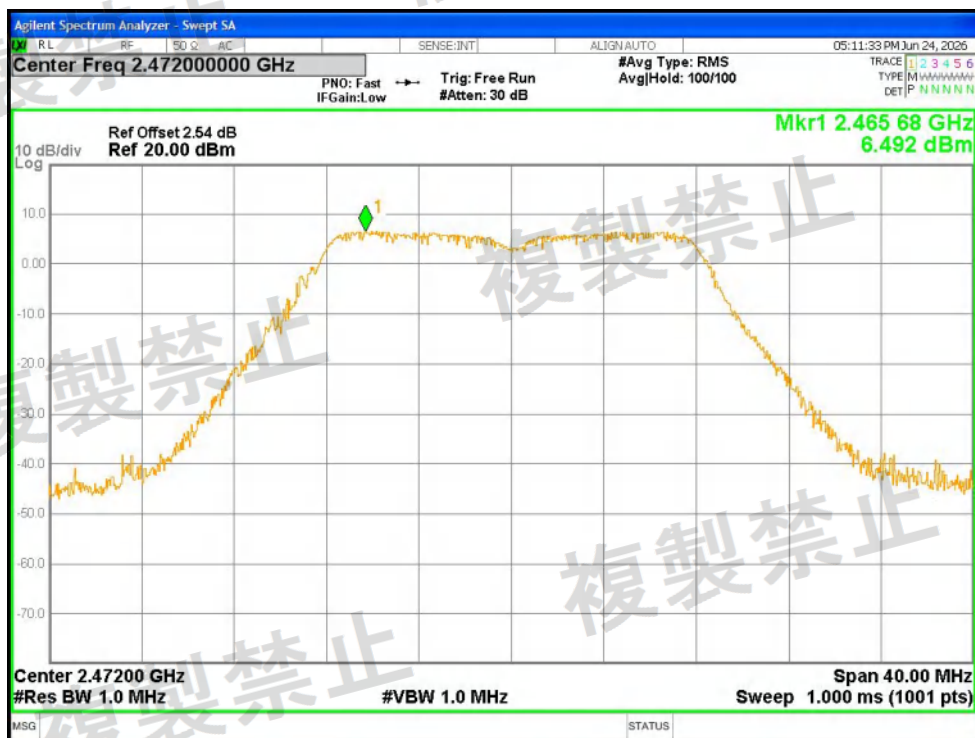
Report



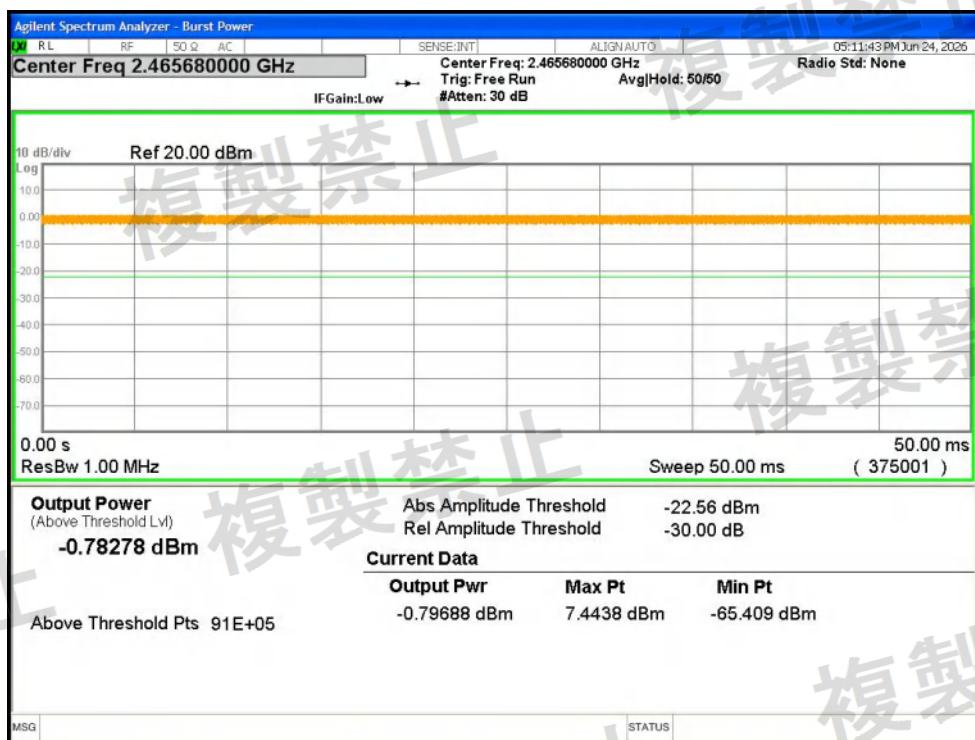
Power NVNT g 2442MHz Ant1 Pre Scan



Power NVNT g 2442MHz Ant1 Zero Span

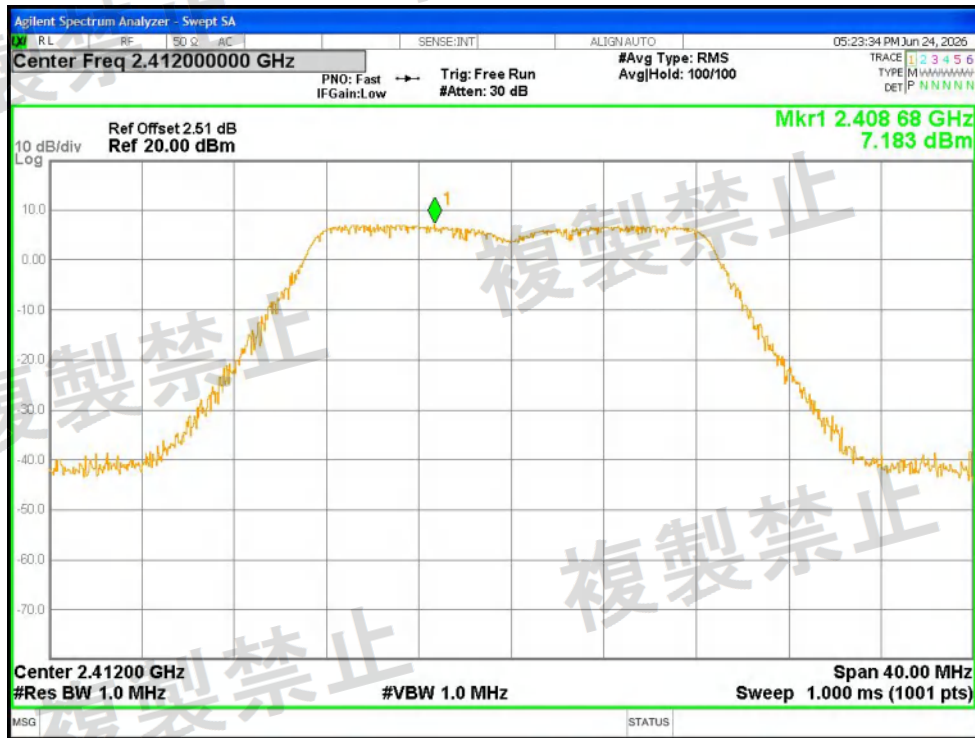


Power NVNT g 2472MHz Ant1 Pre Scan

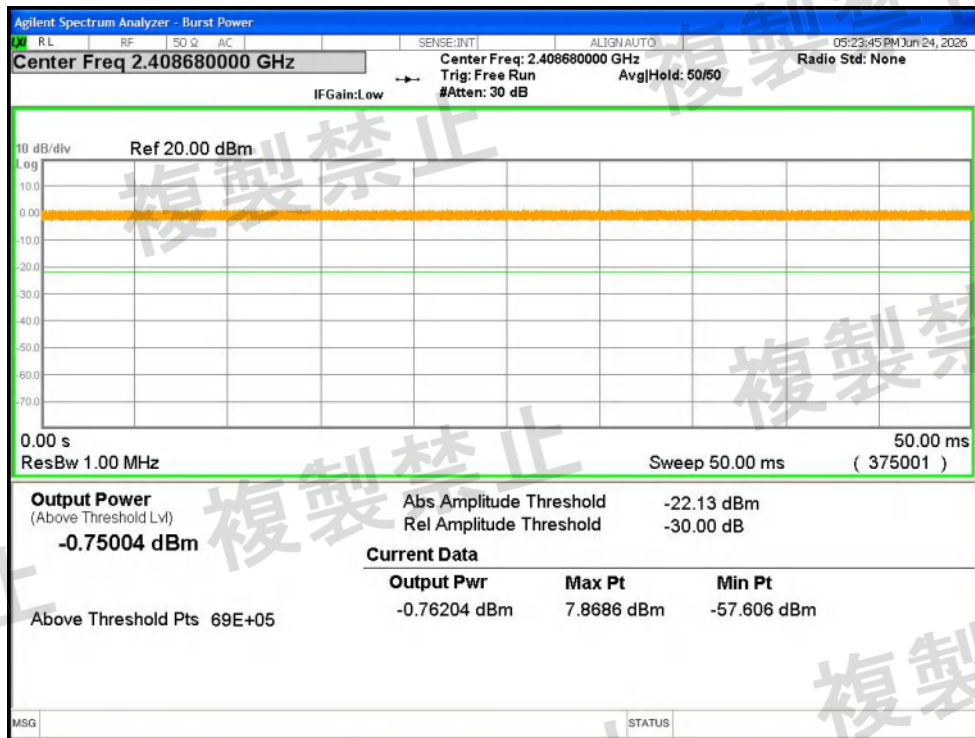


Power NVNT g 2472MHz Ant1 Zero Span

Report

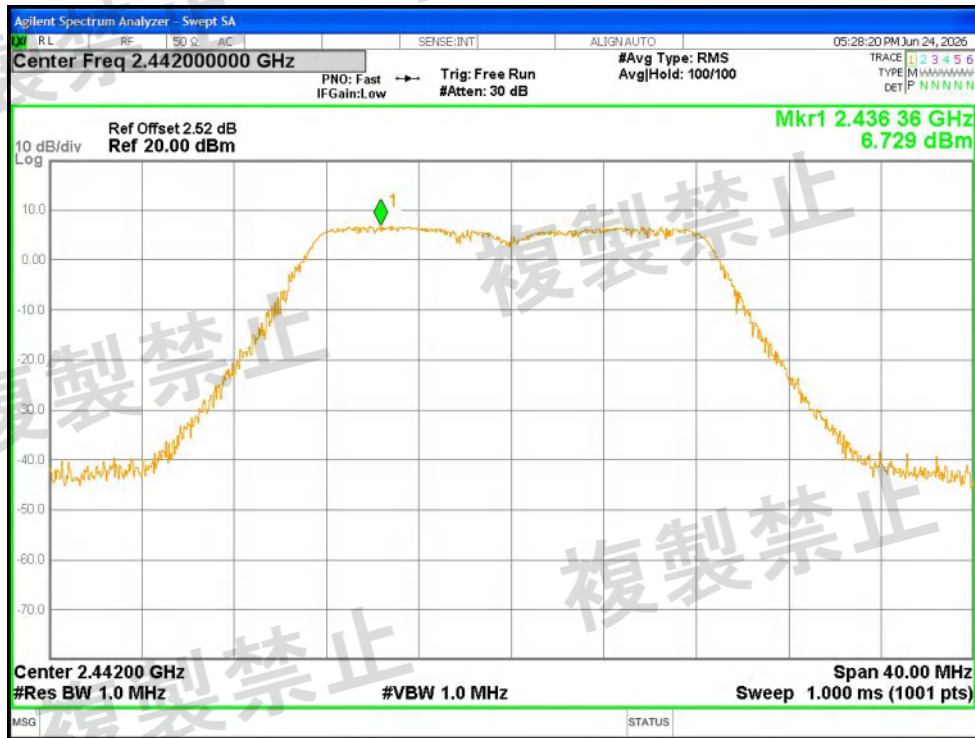


Power NVNT n20 2412MHz Ant1 Pre Scan

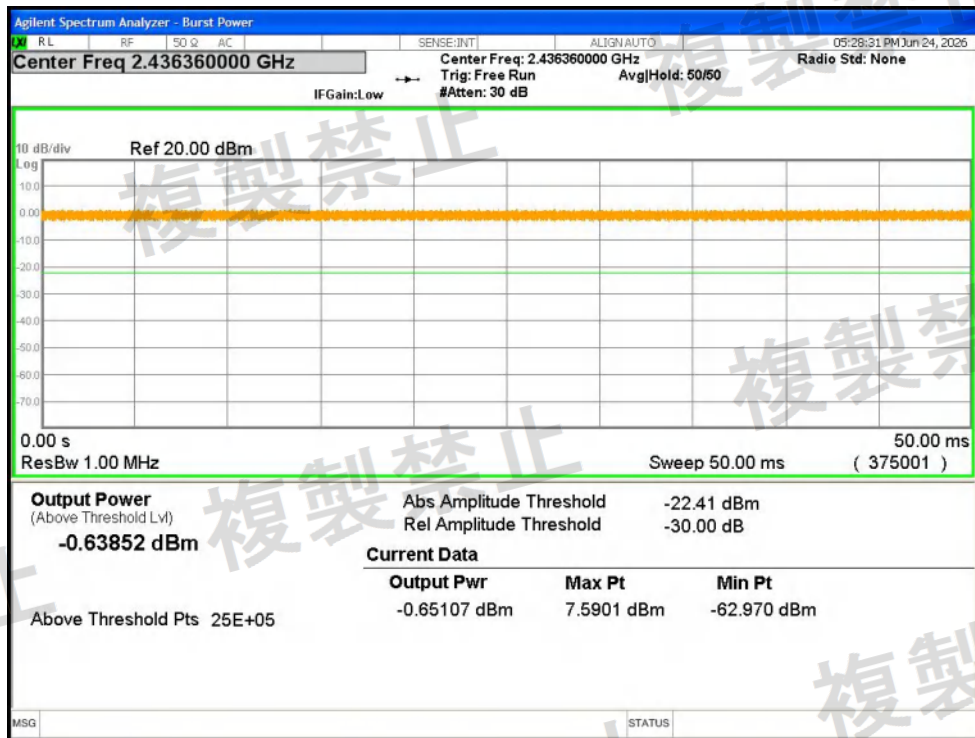


Power NVNT n20 2412MHz Ant1 Zero Span

Report

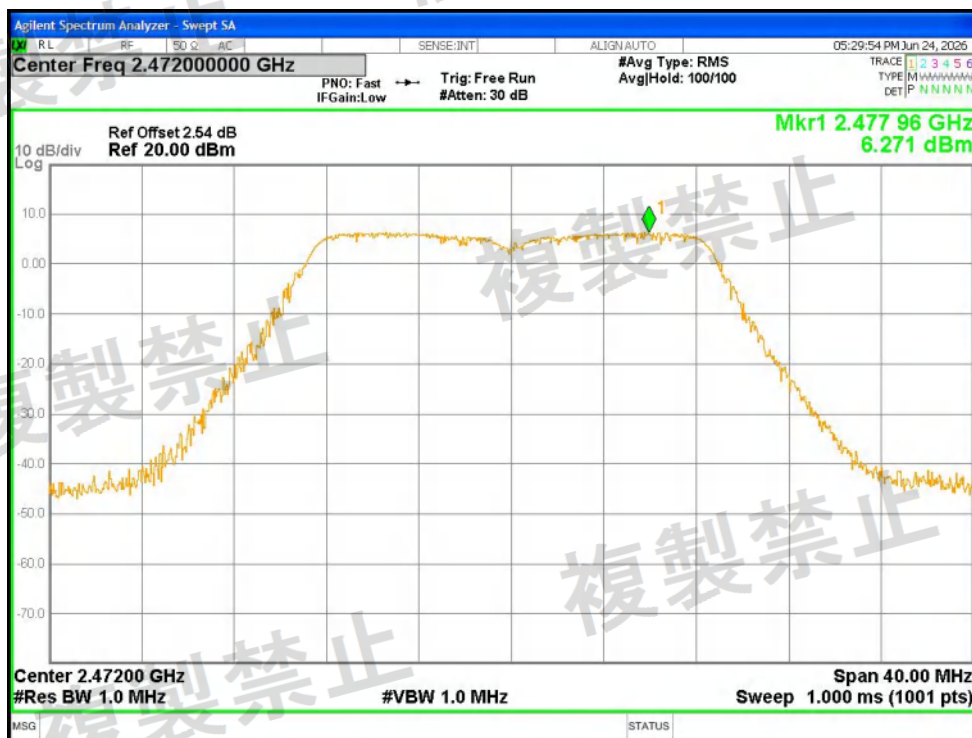


Power NVNT n20 2442MHz Ant1 Pre Scan

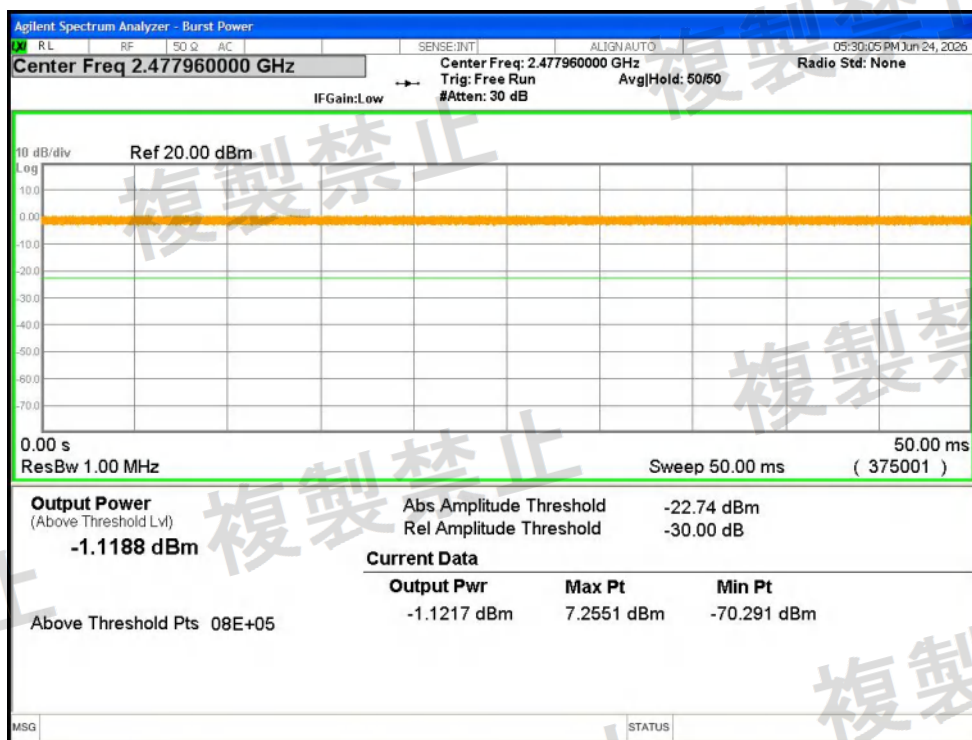


Power NVNT n20 2442MHz Ant1 Zero Span

Report

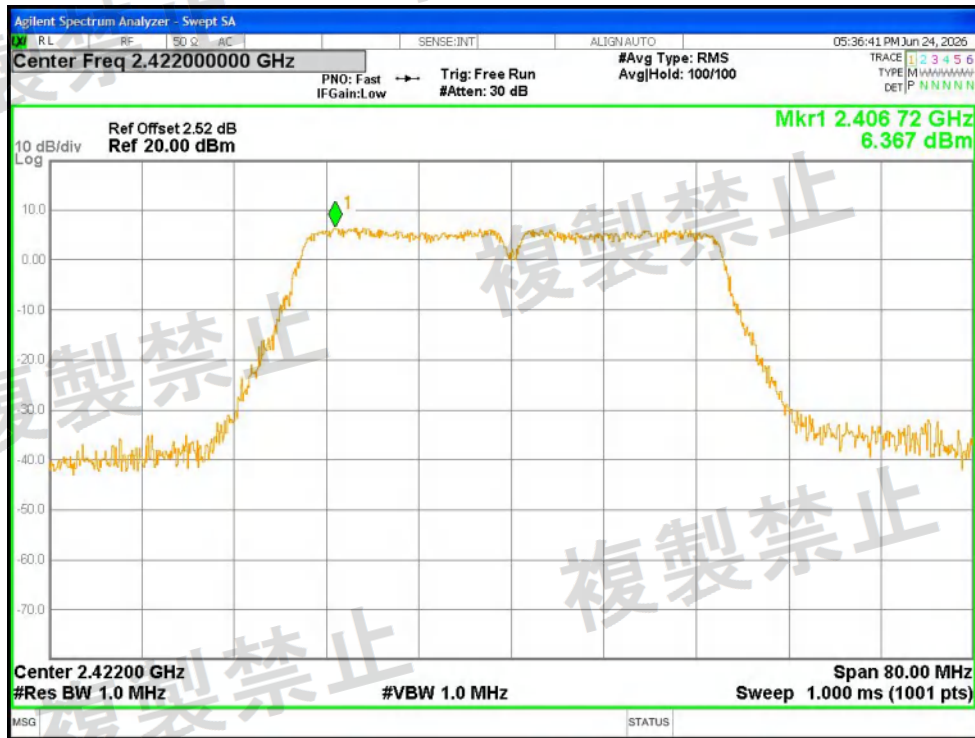


Power NVNT n20 2472MHz Ant1 Pre Scan

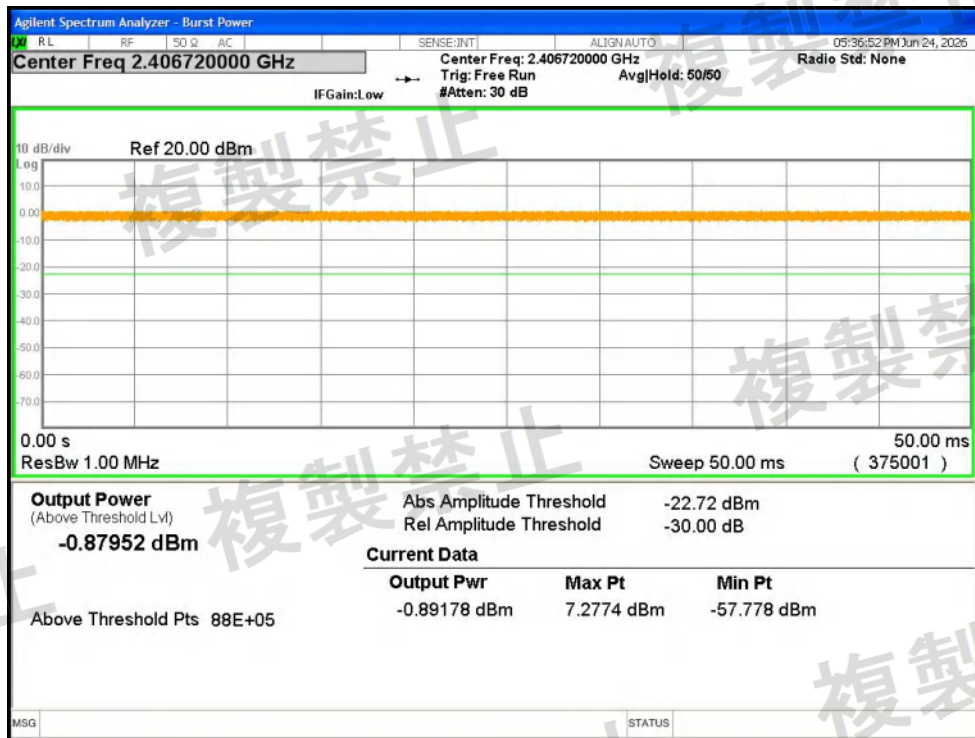


Power NVNT n20 2472MHz Ant1 Zero Span

Report

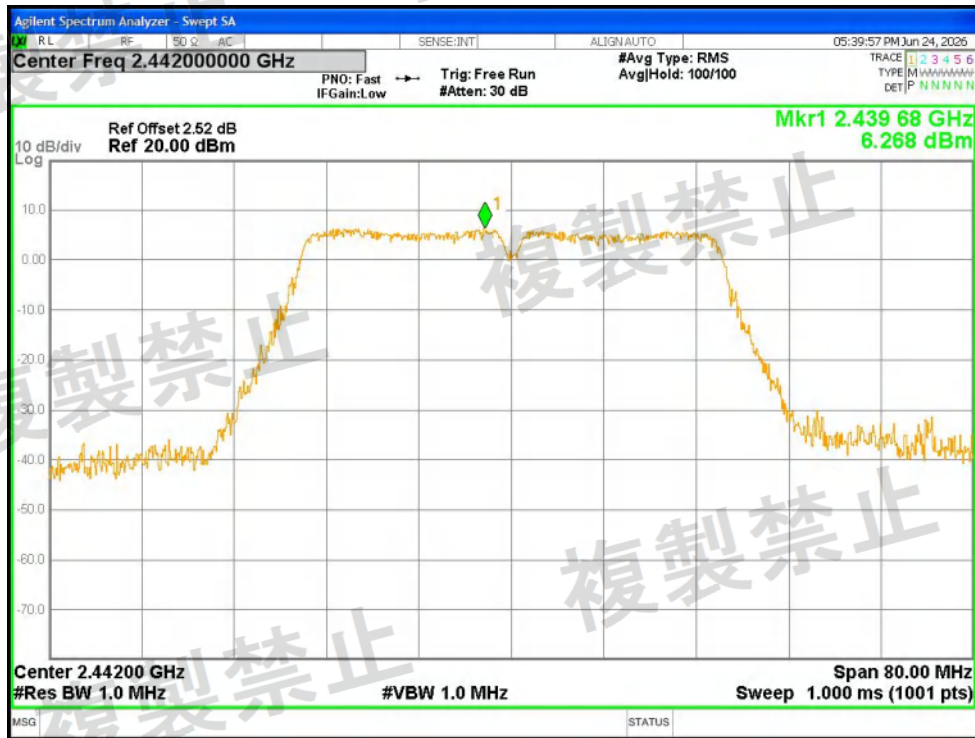


Power NVNT n40 2422MHz Ant1 Pre Scan

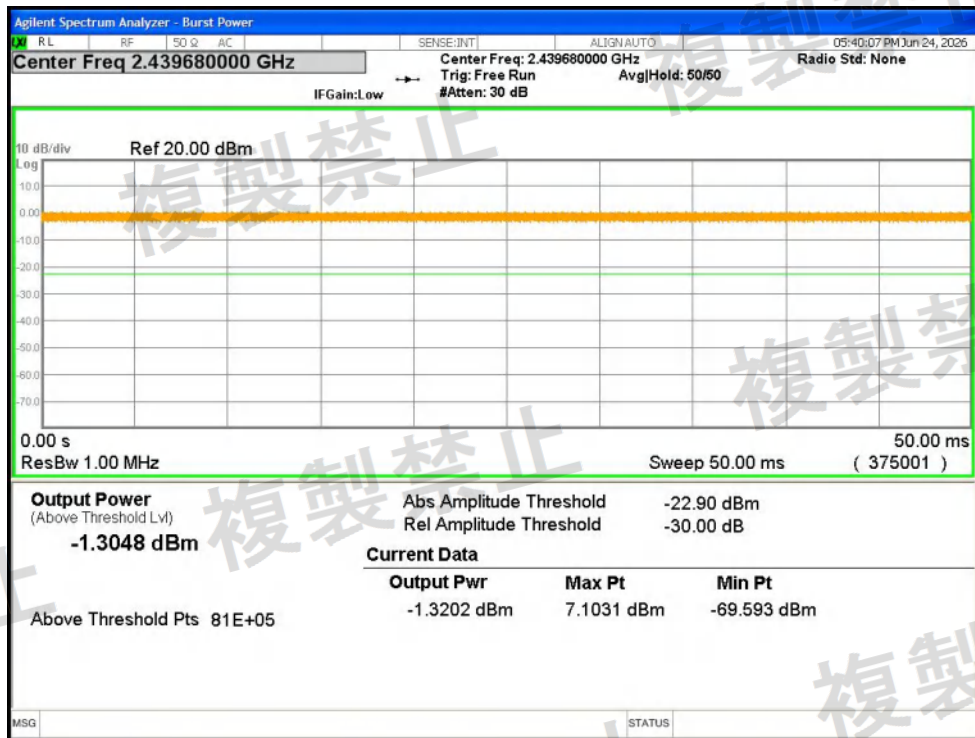


Power NVNT n40 2422MHz Ant1 Zero Span

Report

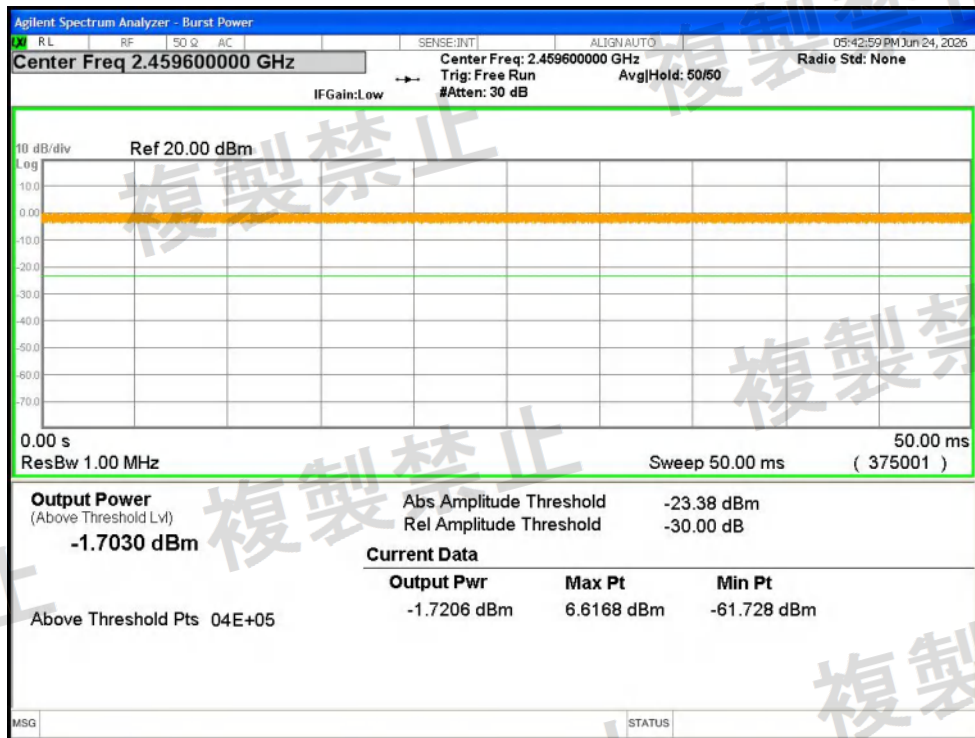
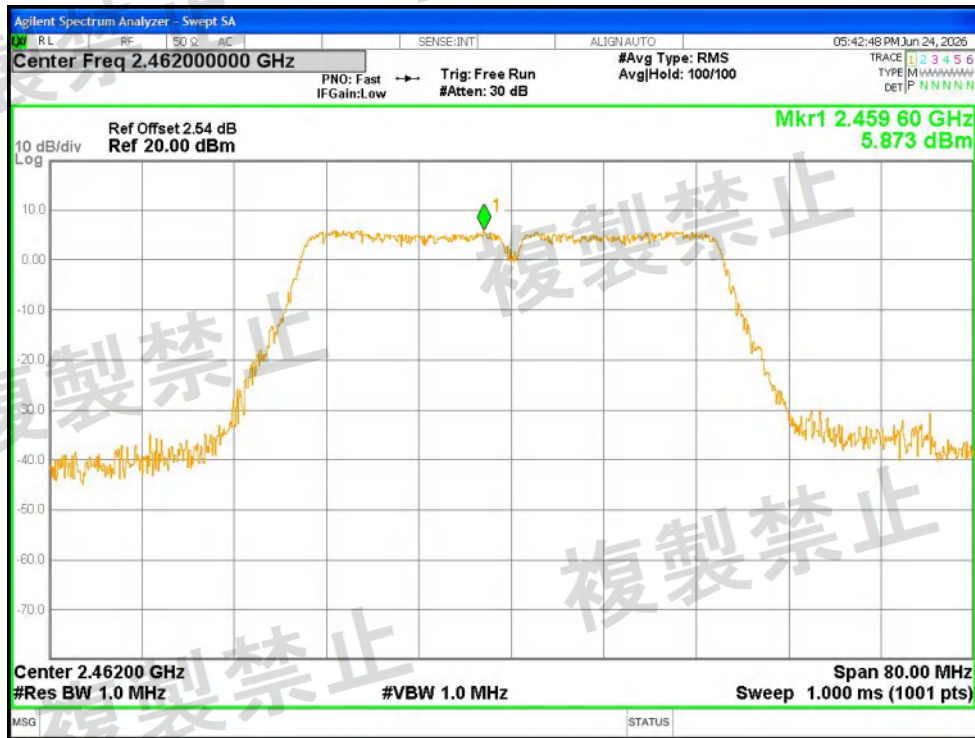


Power NVNT n40 2442MHz Ant1 Pre Scan



Power NVNT n40 2442MHz Ant1 Zero Span

Report



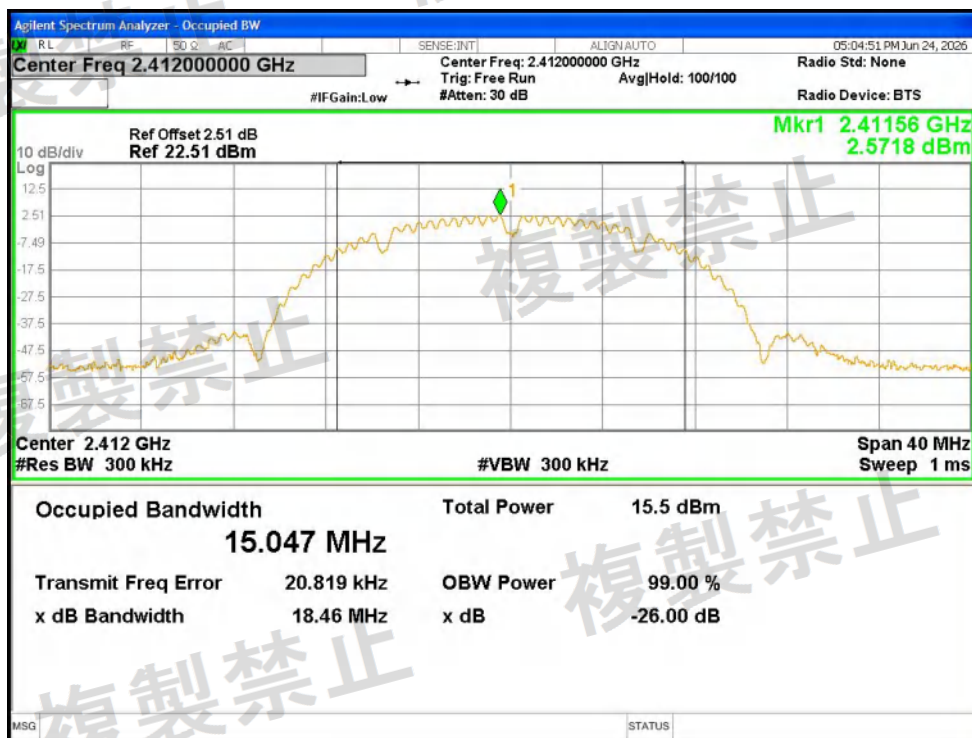
3. EIRP Power

Condition	Mode	Frequency (MHz)	Antenna	Power (dBm/MHz)	Power (mW/MHz)	Gain (dBi)	EIRP (dBm/MHz)	EIRP (mW/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	Ant1	0.36	1.086	3.90	4.26	2.667	12.14	Pass
NVNT	b	2442	Ant1	0.06	1.014	3.90	3.96	2.489	12.14	Pass
NVNT	b	2472	Ant1	-0.18	0.959	3.90	3.72	2.355	12.14	Pass
NVNT	g	2412	Ant1	-0.18	0.959	3.90	3.72	2.355	12.14	Pass
NVNT	g	2442	Ant1	-0.43	0.906	3.90	3.47	2.223	12.14	Pass
NVNT	g	2472	Ant1	-0.78	0.836	3.90	3.12	2.051	12.14	Pass
NVNT	n20	2412	Ant1	-0.75	0.841	3.90	3.15	2.065	12.14	Pass
NVNT	n20	2442	Ant1	-0.64	0.863	3.90	3.26	2.118	12.14	Pass
NVNT	n20	2472	Ant1	-1.12	0.773	3.90	2.78	1.897	12.14	Pass
NVNT	n40	2422	Ant1	-0.88	0.817	3.90	3.02	2.004	9.13	Pass
NVNT	n40	2442	Ant1	-1.3	0.741	3.90	2.6	1.820	9.13	Pass
NVNT	n40	2462	Ant1	-1.7	0.676	3.90	2.2	1.660	9.13	Pass

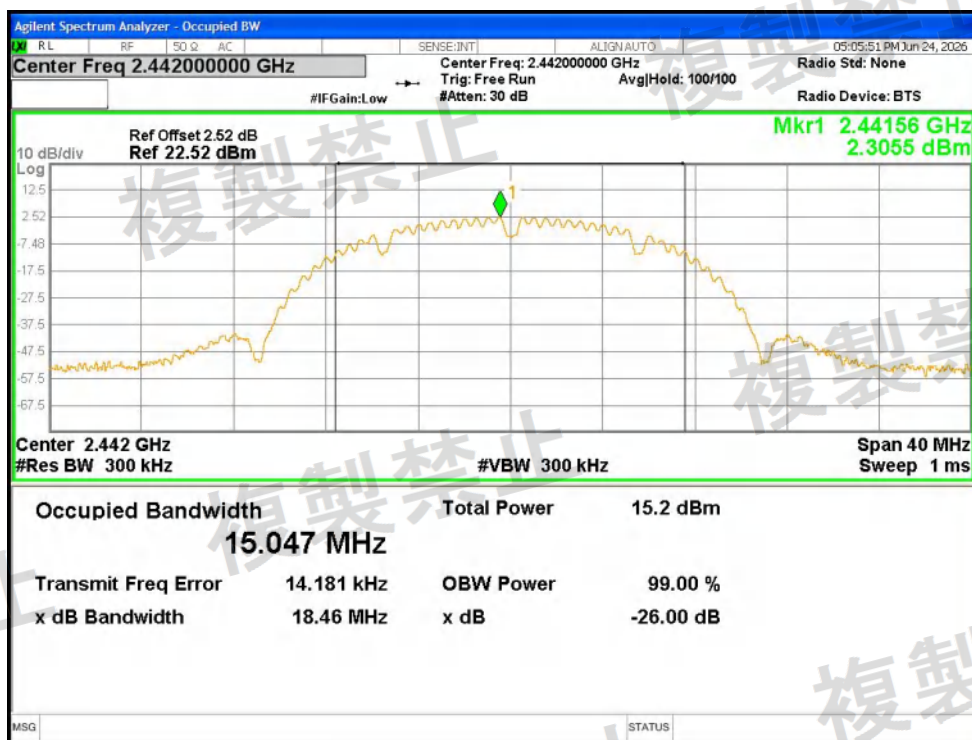
4. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	15.047
NVNT	b	2442	Ant1	15.047
NVNT	b	2472	Ant1	15.056
NVNT	g	2412	Ant1	16.673
NVNT	g	2442	Ant1	16.694
NVNT	g	2472	Ant1	16.789
NVNT	n20	2412	Ant1	17.819
NVNT	n20	2442	Ant1	17.814
NVNT	n20	2472	Ant1	17.805
NVNT	n40	2422	Ant1	36.195
NVNT	n40	2442	Ant1	36.213
NVNT	n40	2462	Ant1	36.200

Report

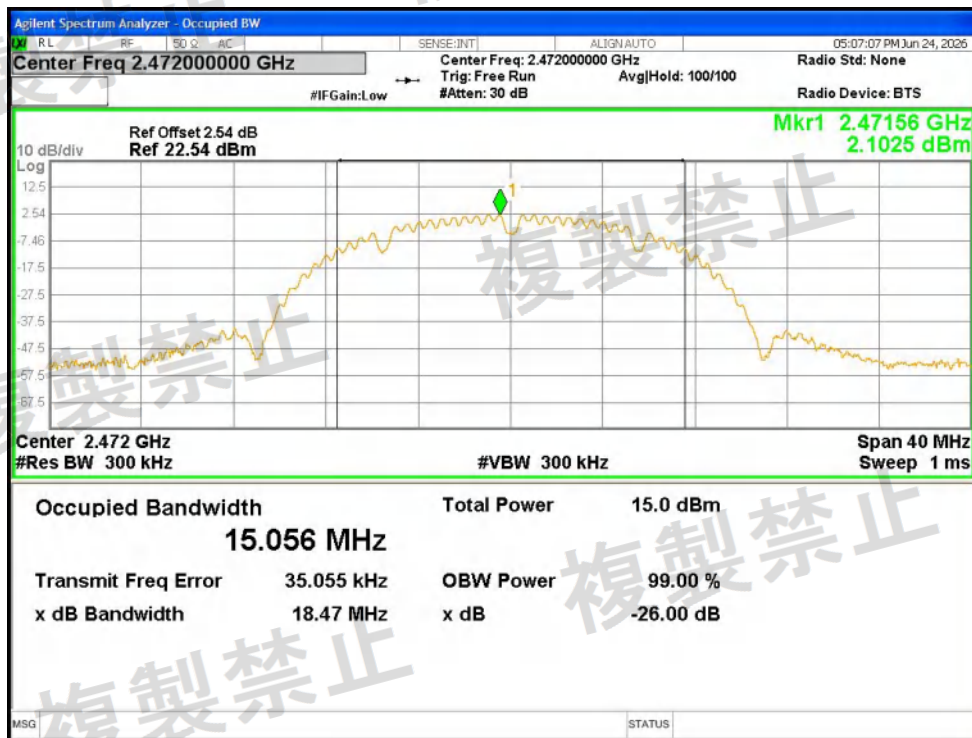


OBW NVNT b 2412MHz Ant1

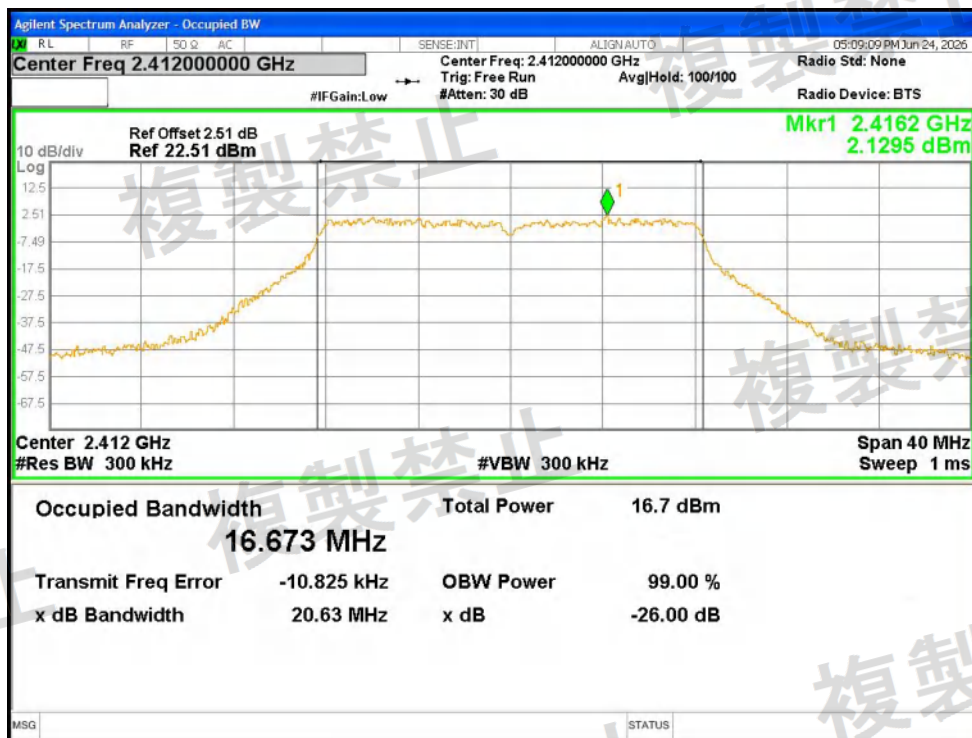


OBW NVNT b 2442MHz Ant1

Report

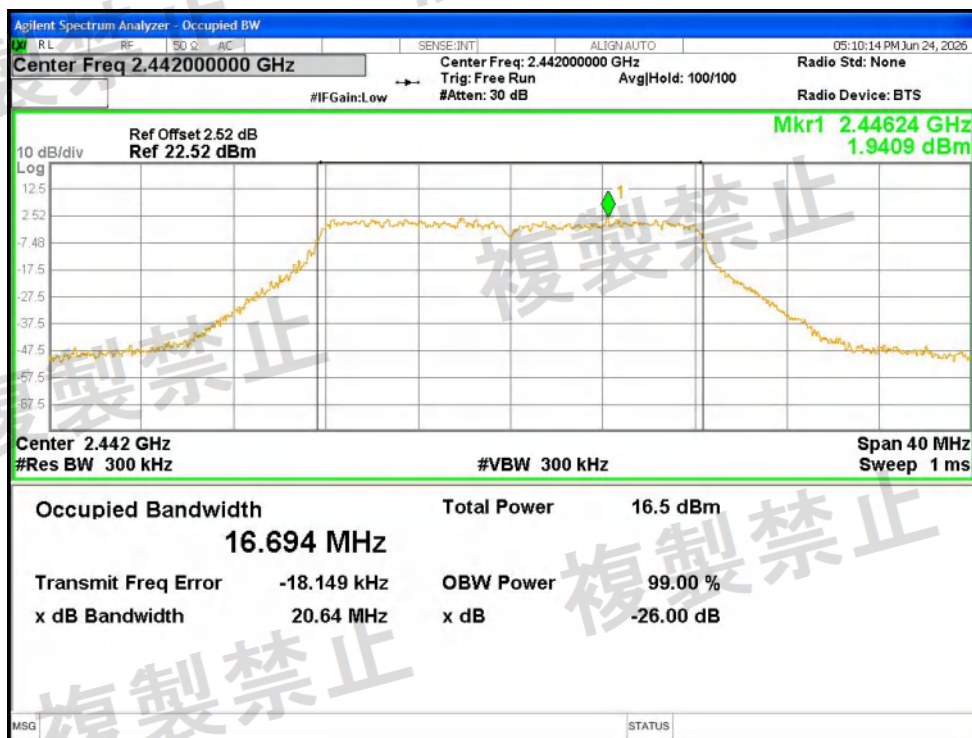


OBW NVNT b 2472MHz Ant1

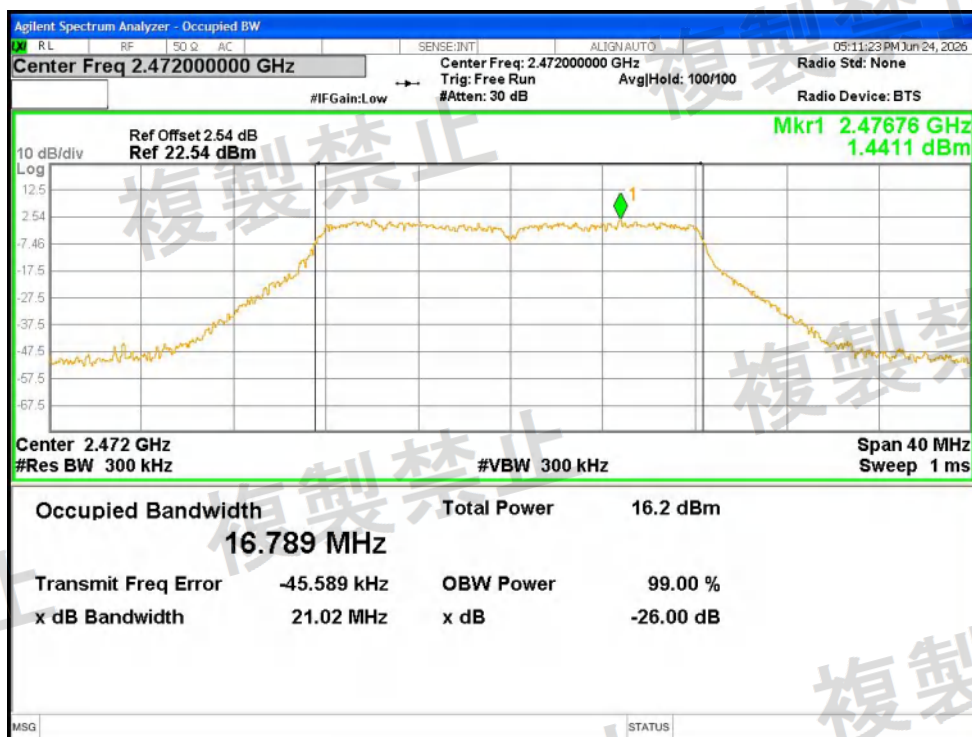


OBW NVNT g 2412MHz Ant1

Report

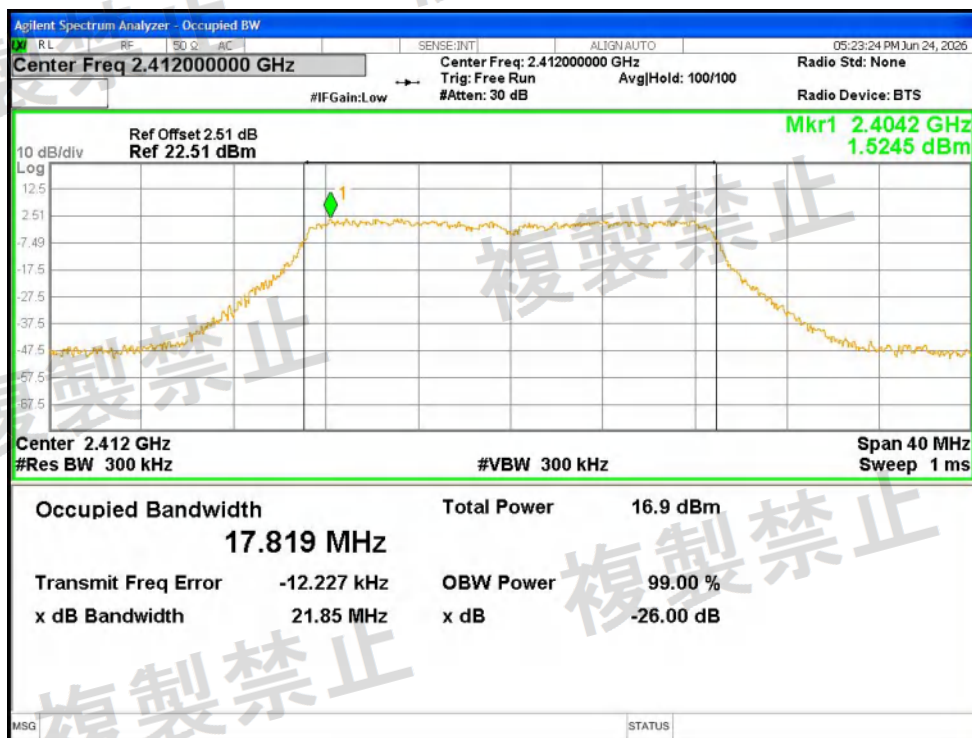


OBW NVNT g 2442MHz Ant1

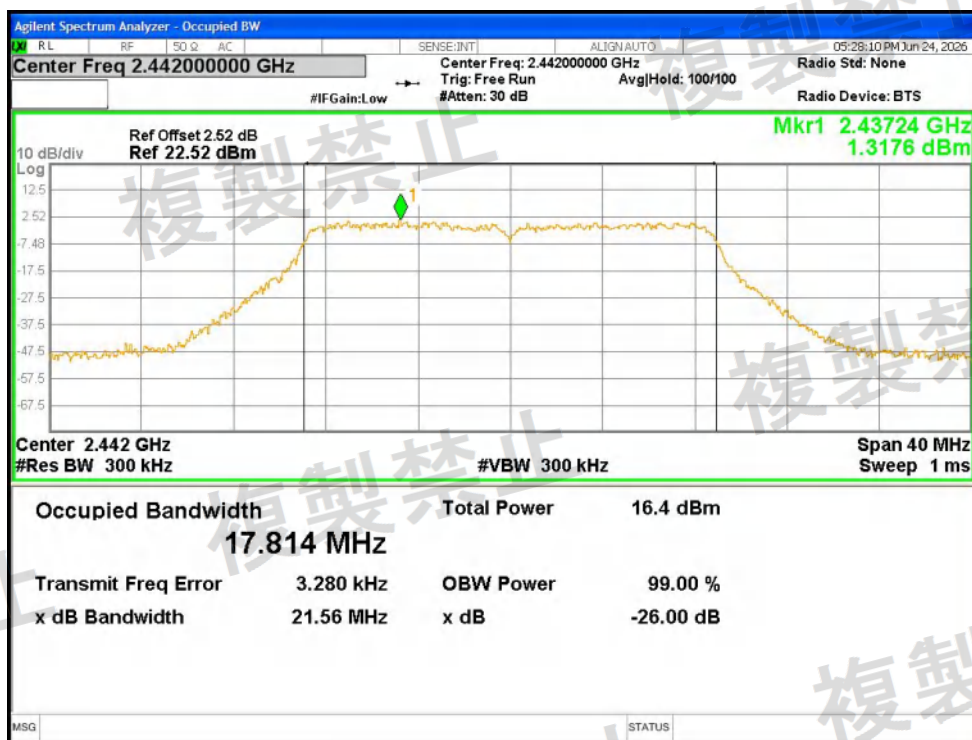


OBW NVNT g 2472MHz Ant1

Report

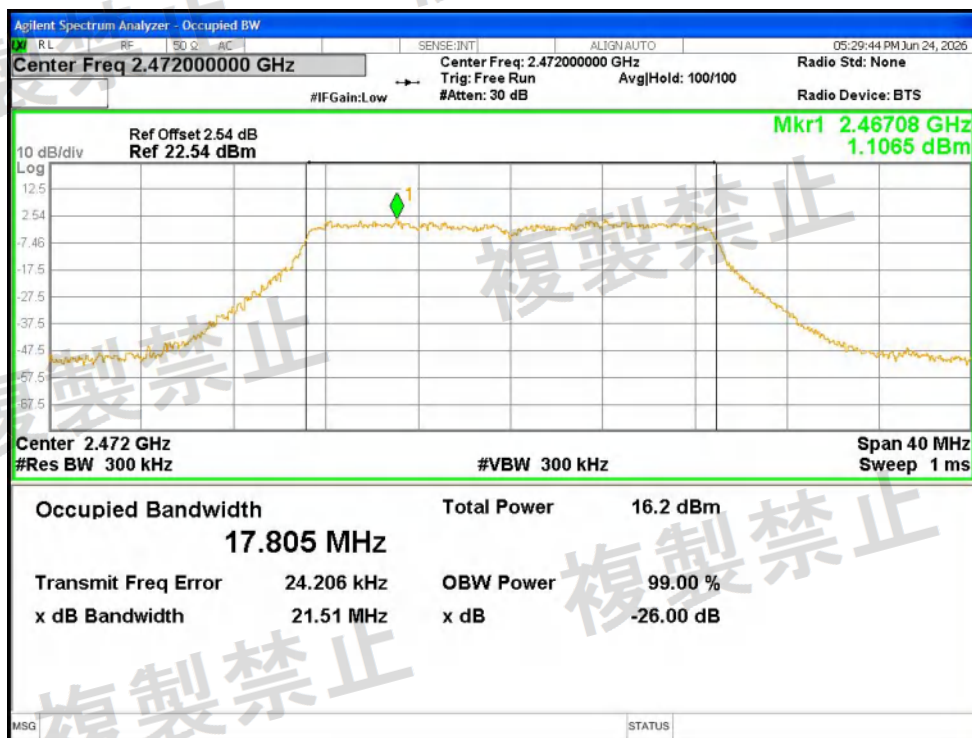


OBW NVNT n20 2412MHz Ant1

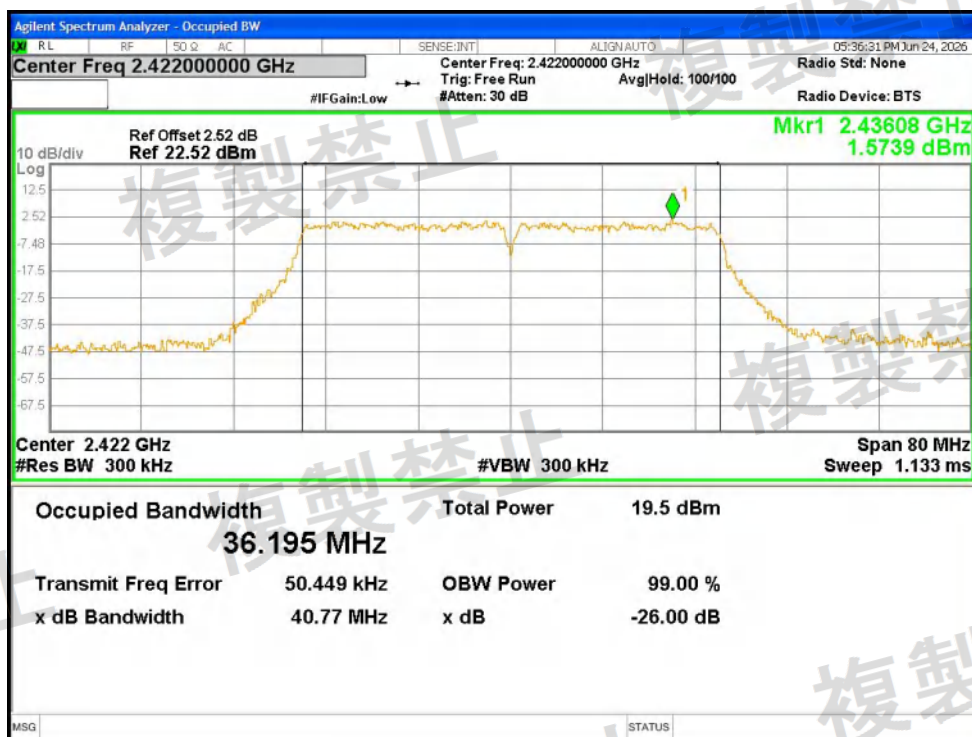


OBW NVNT n20 2442MHz Ant1

Report

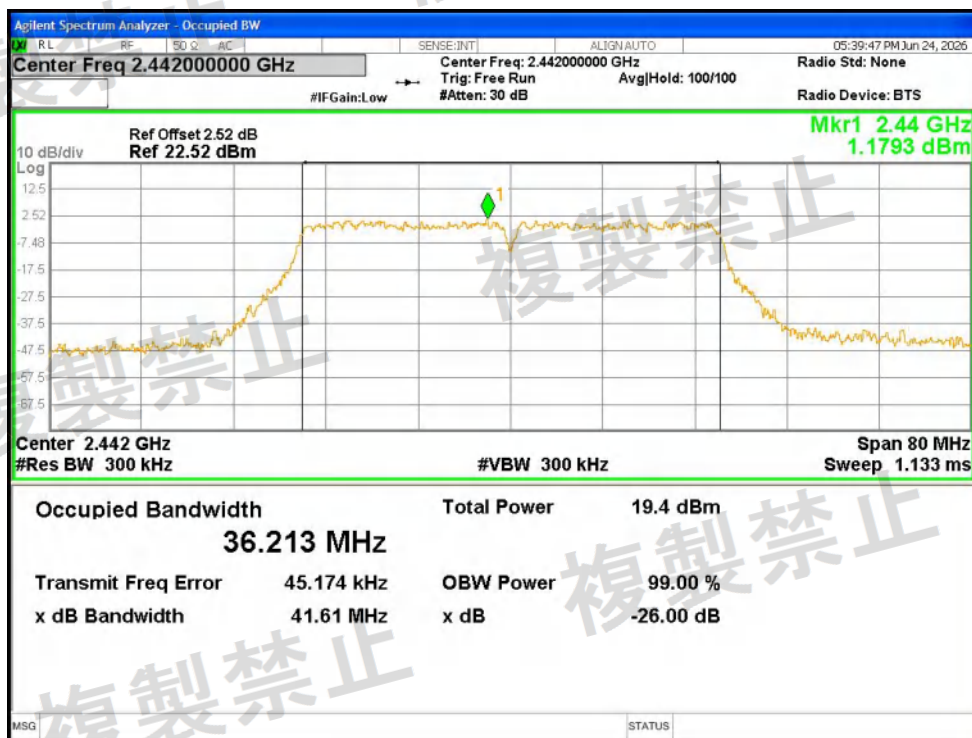


OBW NVNT n20 2472MHz Ant1

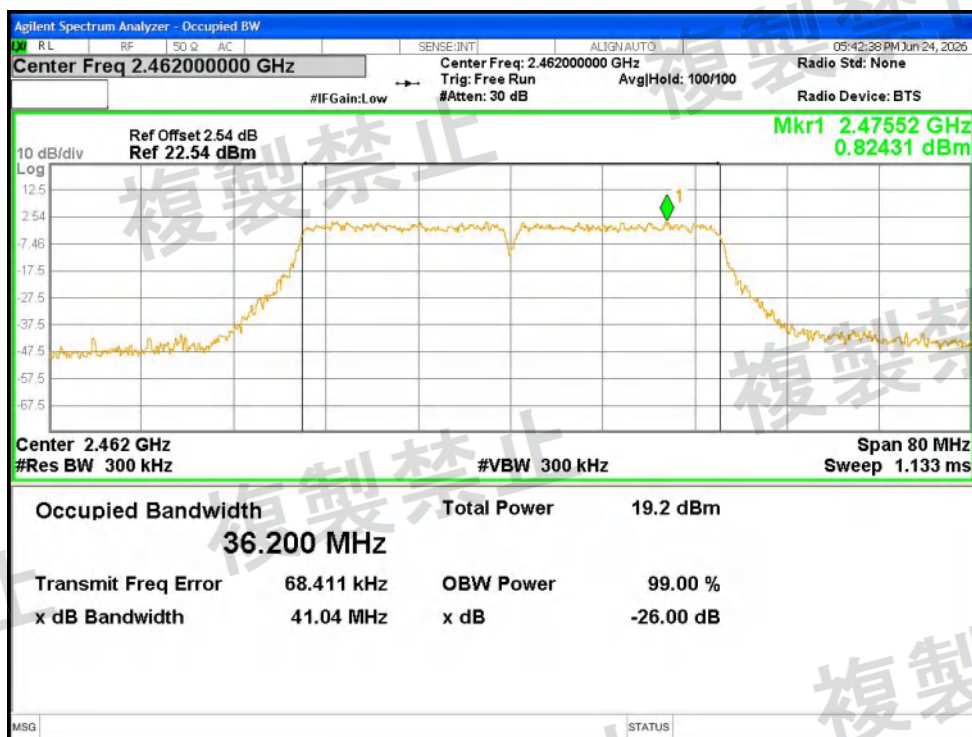


OBW NVNT n40 2422MHz Ant1

Report



OBW NVNT n40 2442MHz Ant1

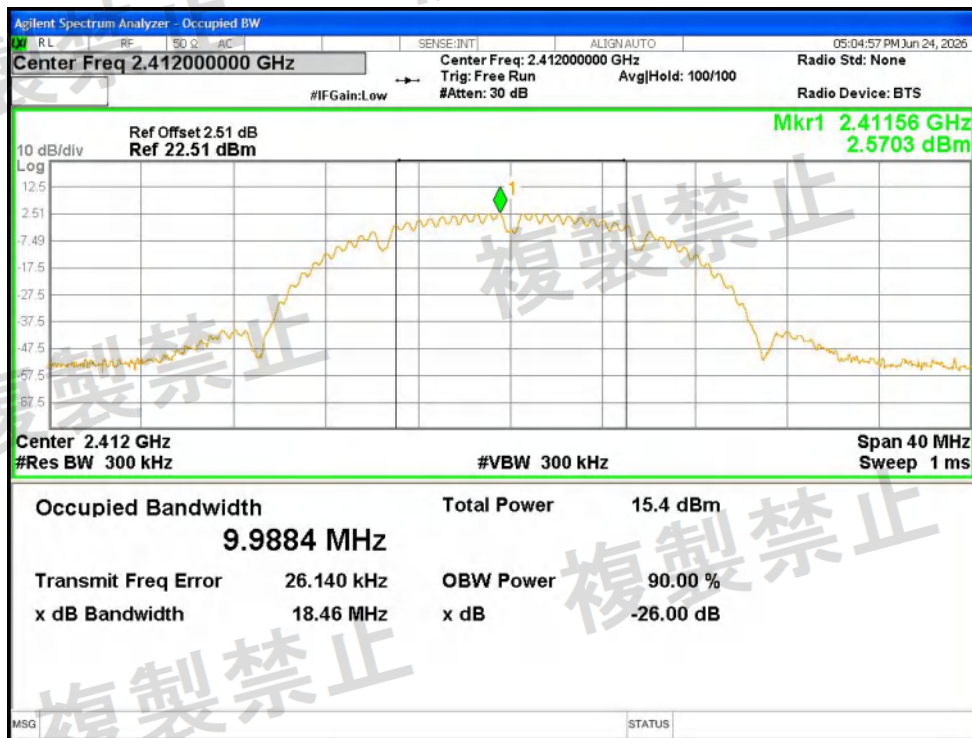


OBW NVNT n40 2462MHz Ant1

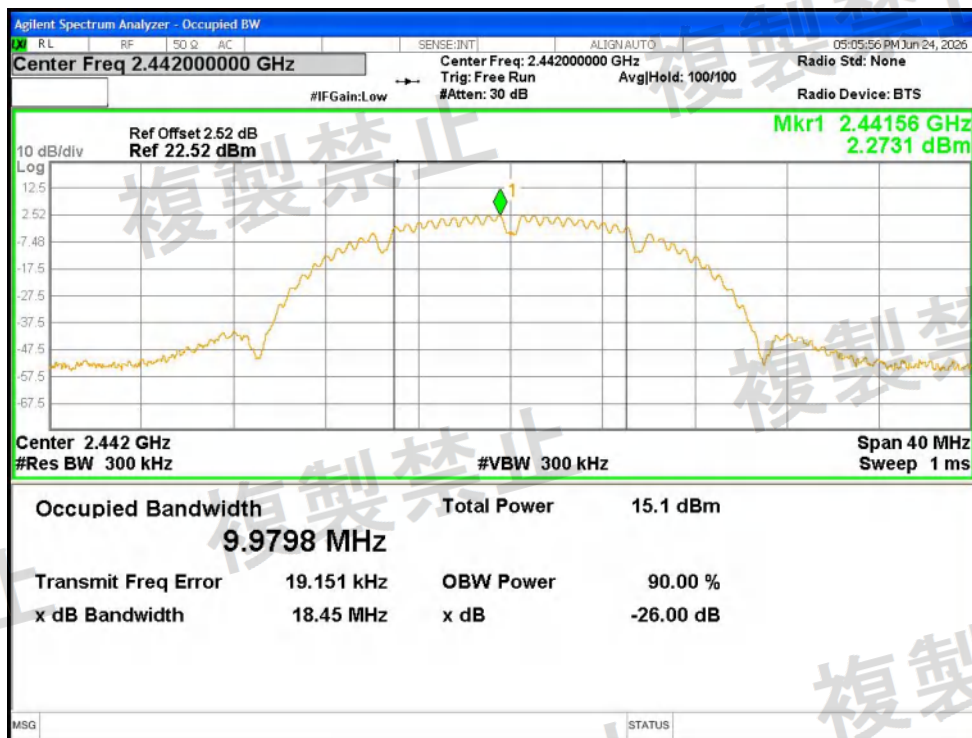
5. Spreading Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)	Verdict
NVNT	b	2412	Ant1	9.988	Pass
NVNT	b	2442	Ant1	9.98	Pass
NVNT	b	2472	Ant1	9.991	Pass
NVNT	g	2412	Ant1	14.878	Pass
NVNT	g	2442	Ant1	14.819	Pass
NVNT	g	2472	Ant1	14.874	Pass
NVNT	n20	2412	Ant1	15.728	Pass
NVNT	n20	2442	Ant1	15.794	Pass
NVNT	n20	2472	Ant1	15.821	Pass
NVNT	n40	2422	Ant1	32.488	Pass
NVNT	n40	2442	Ant1	32.548	Pass
NVNT	n40	2462	Ant1	32.581	Pass

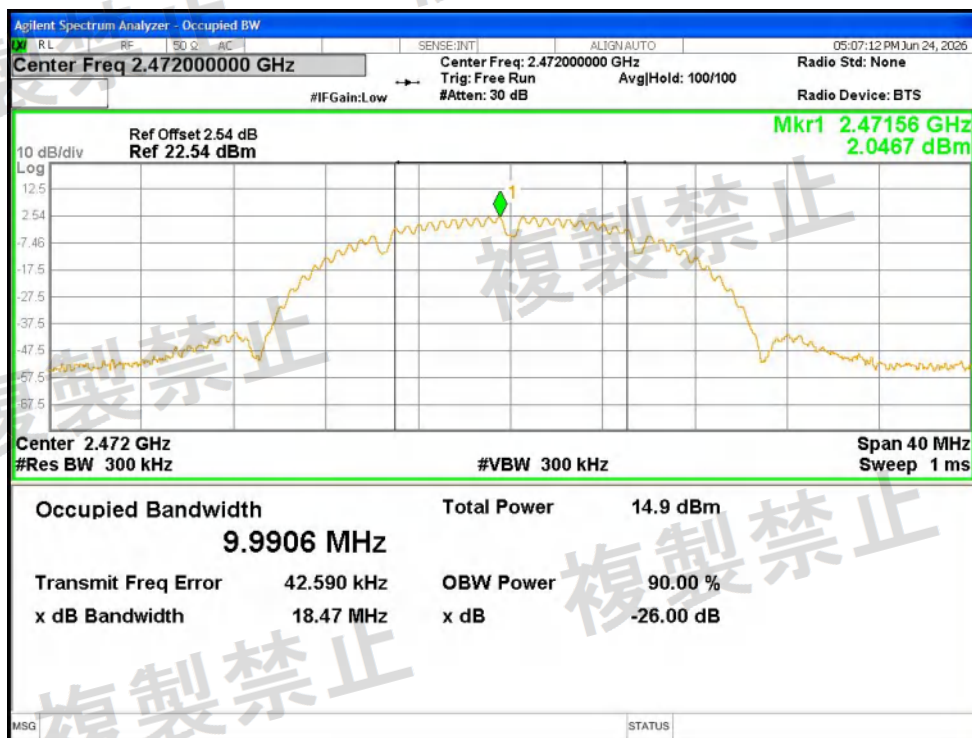
Report



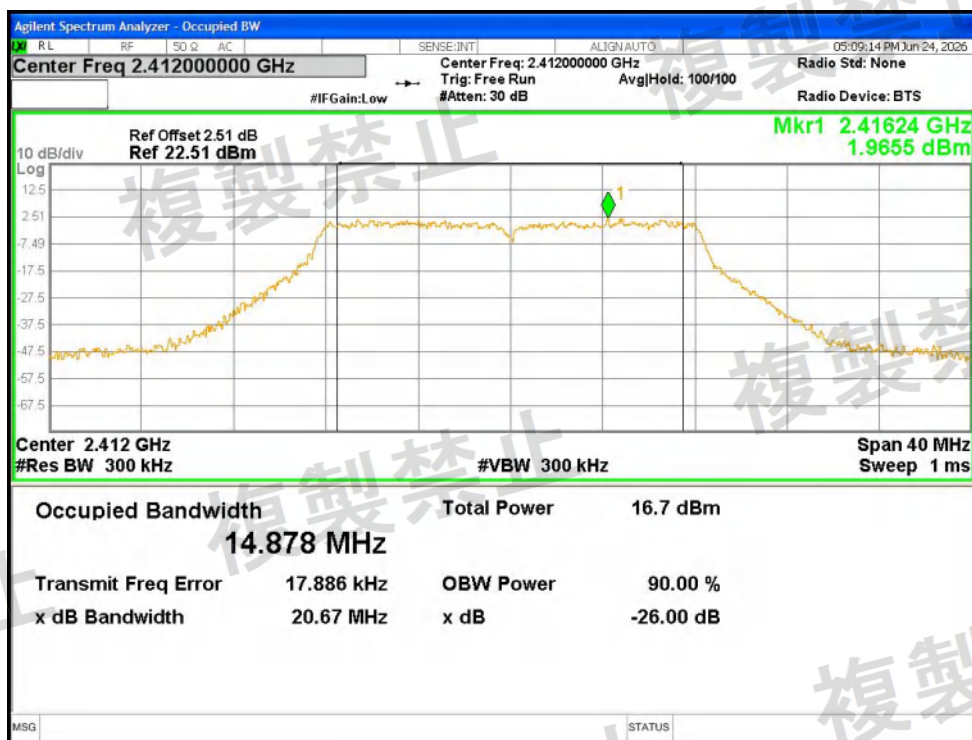
Spreading Bandwidth NVNT b 2412MHz Ant1



Spreading Bandwidth NVNT b 2442MHz Ant1

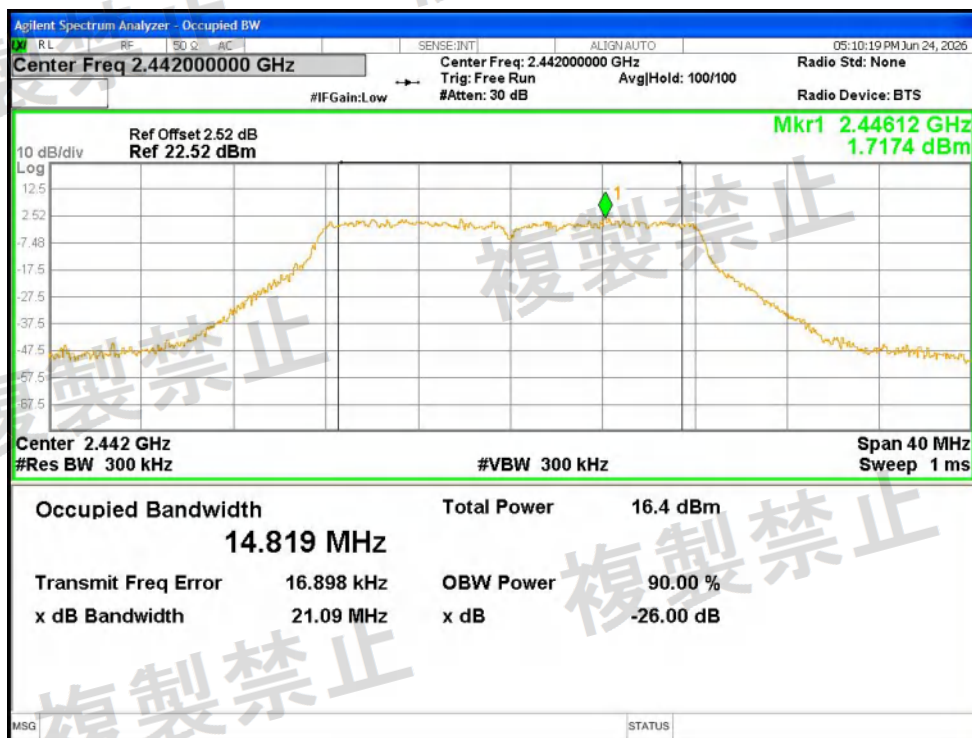


Spreading Bandwidth NVNT b 2472MHz Ant1

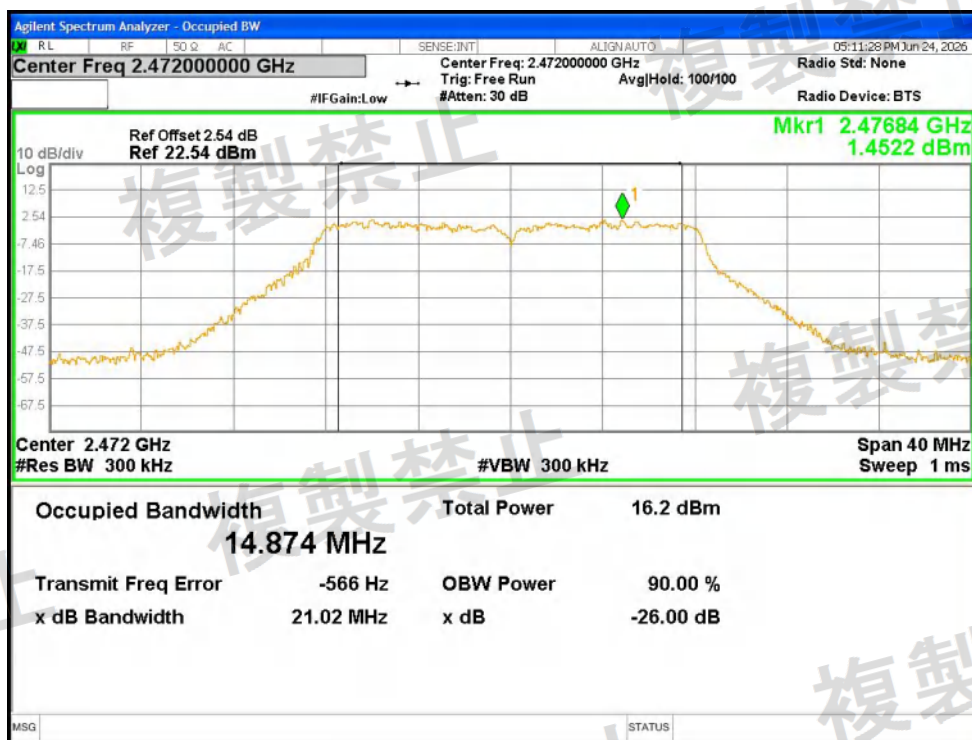


Spreading Bandwidth NVNT g 2412MHz Ant1

Report

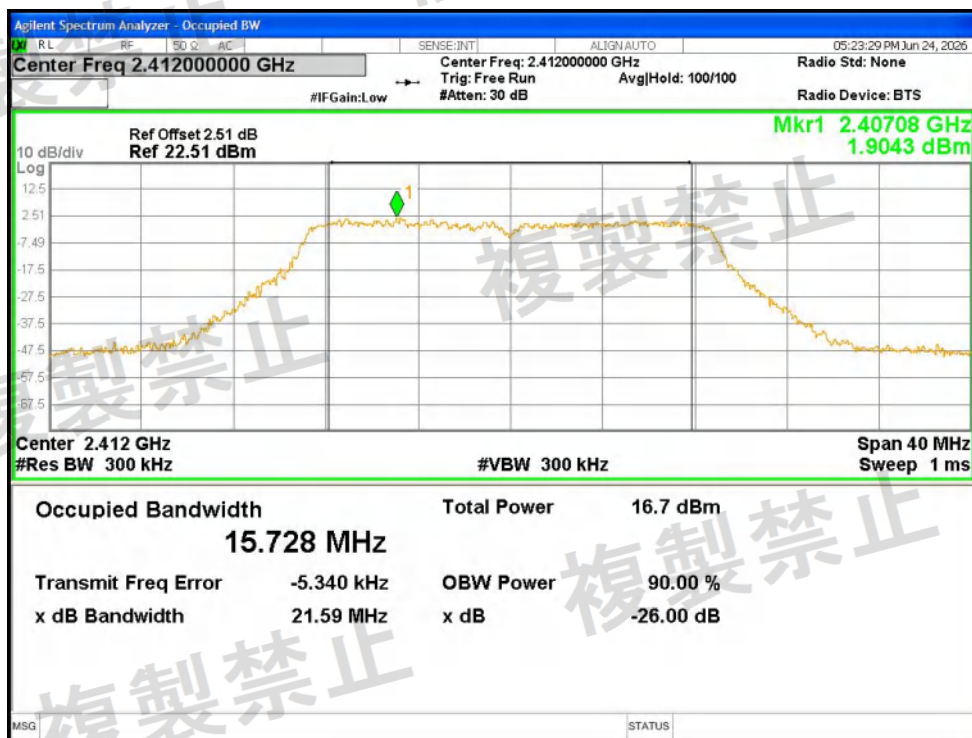


Spreading Bandwidth NVNT g 2442MHz Ant1

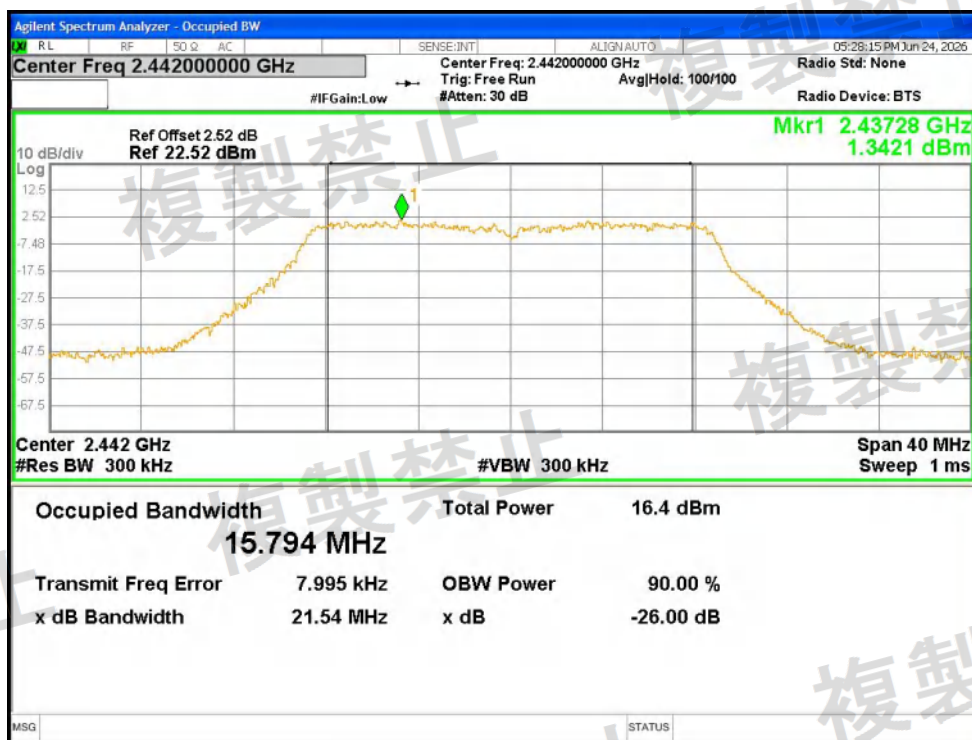


Spreading Bandwidth NVNT g 2472MHz Ant1

Report

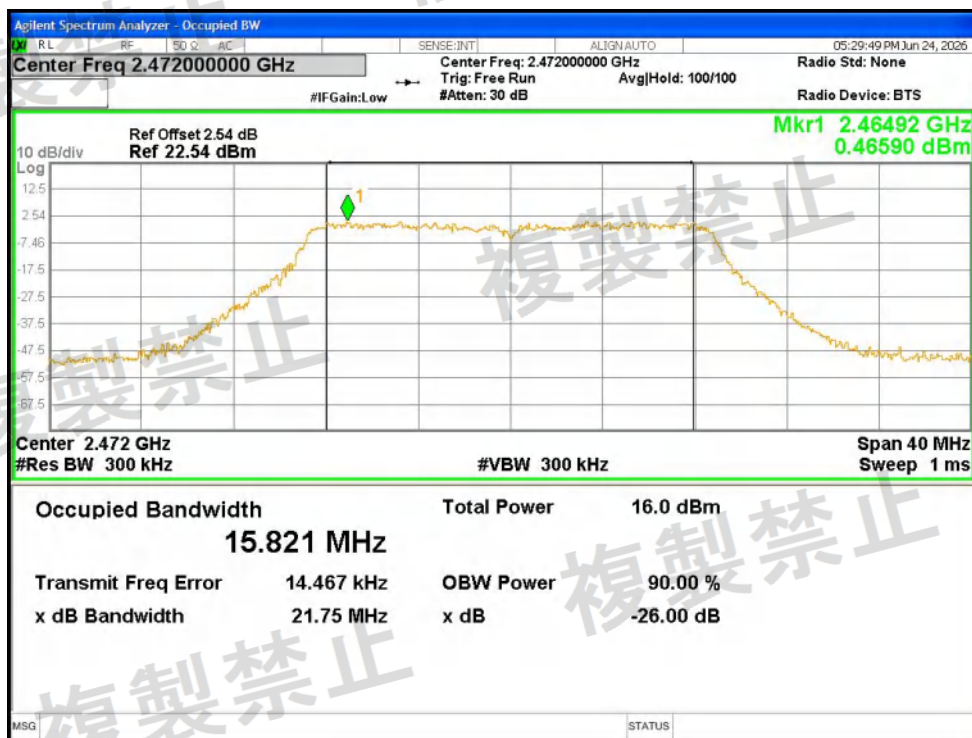


Spreading Bandwidth NVNT n20 2412MHz Ant1

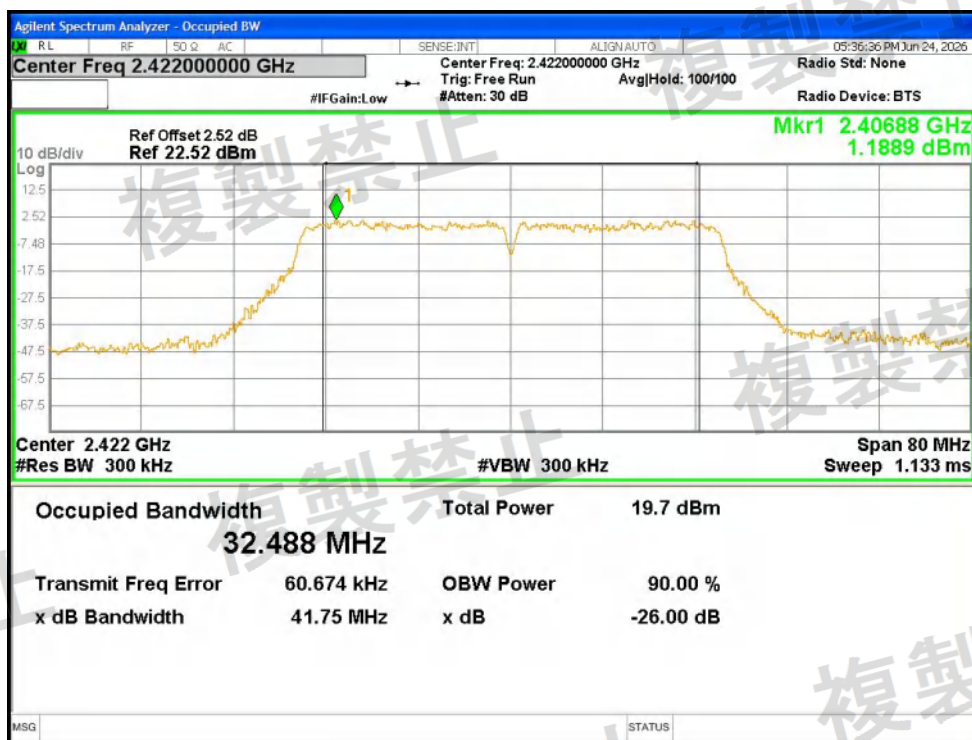


Spreading Bandwidth NVNT n20 2442MHz Ant1

Report

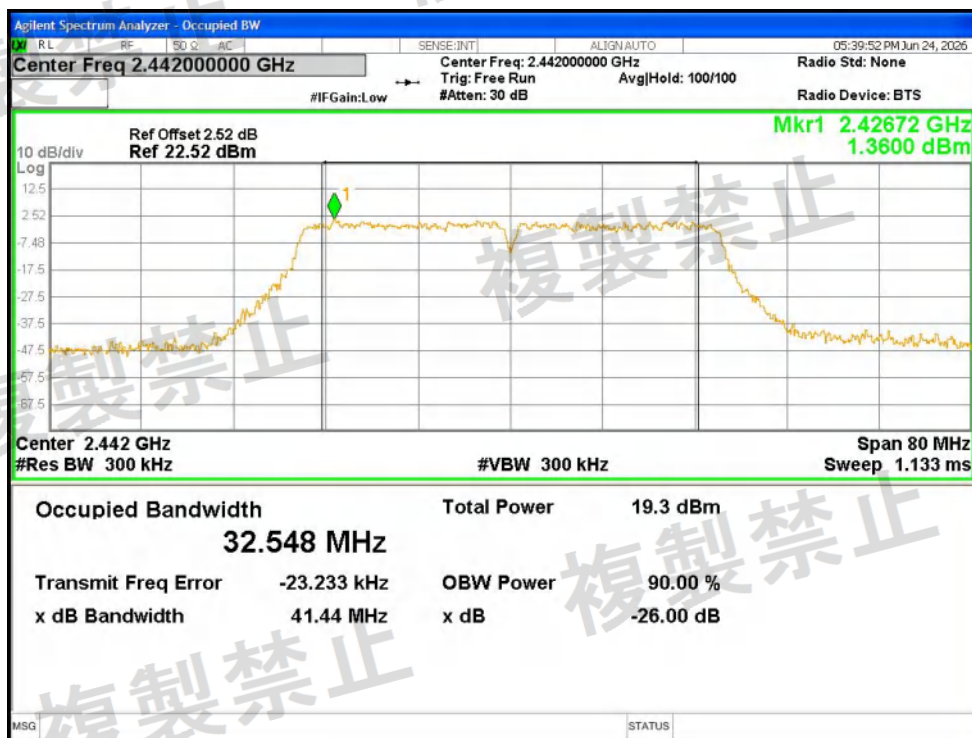


Spreading Bandwidth NVNT n20 2472MHz Ant1

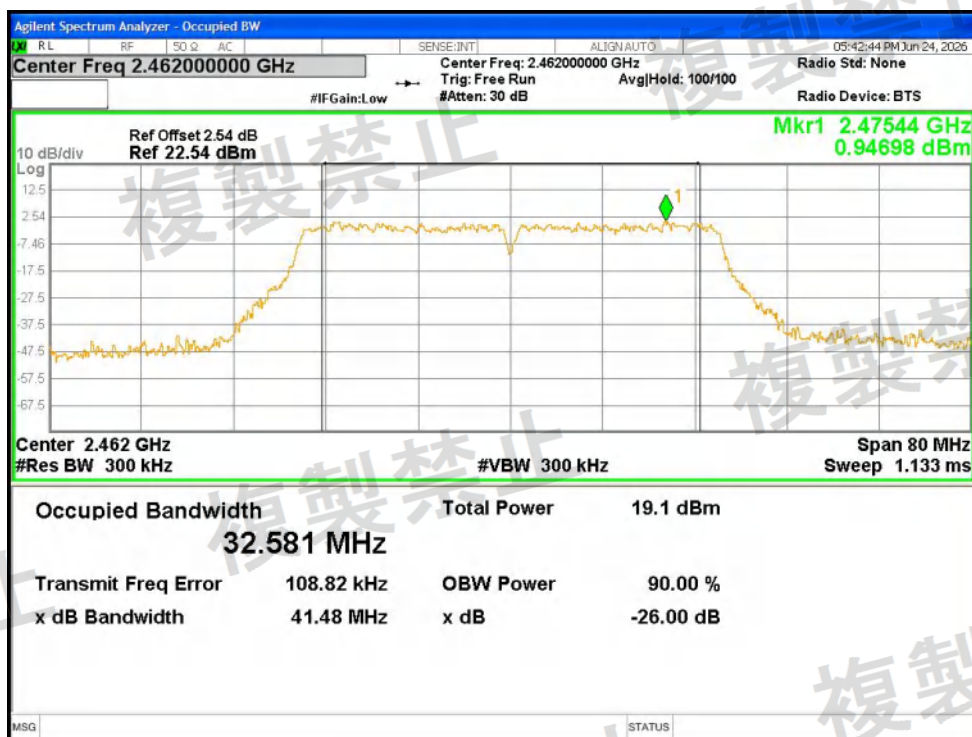


Spreading Bandwidth NVNT n40 2422MHz Ant1

Report



Spreading Bandwidth NVNT n40 2442MHz Ant1



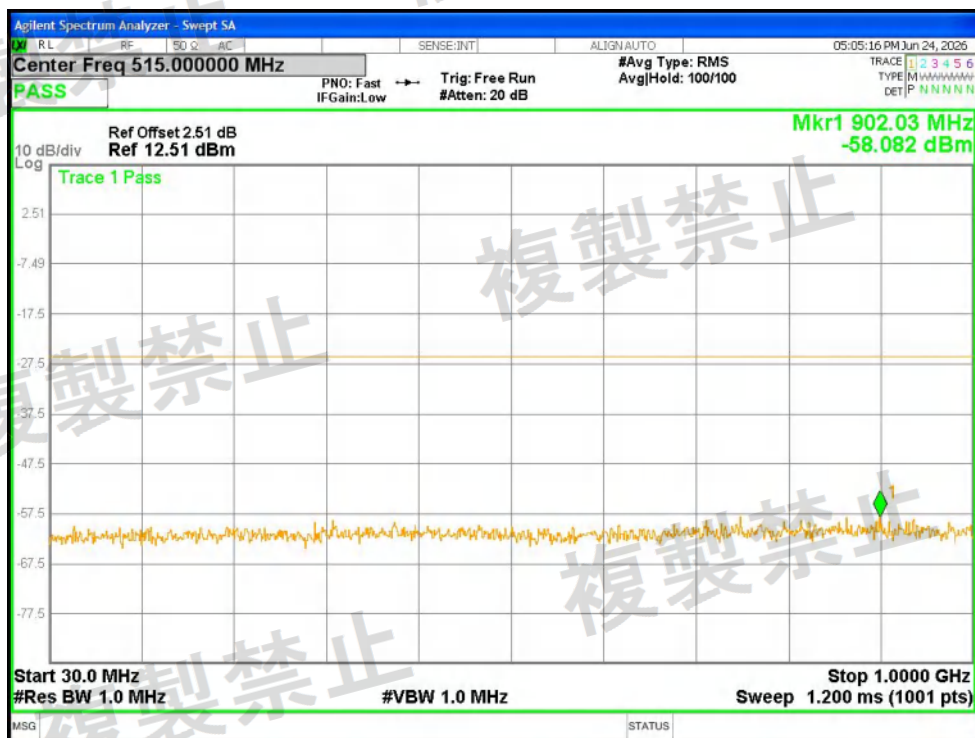
Spreading Bandwidth NVNT n40 2462MHz Ant1

6. Tx Spurious Emission

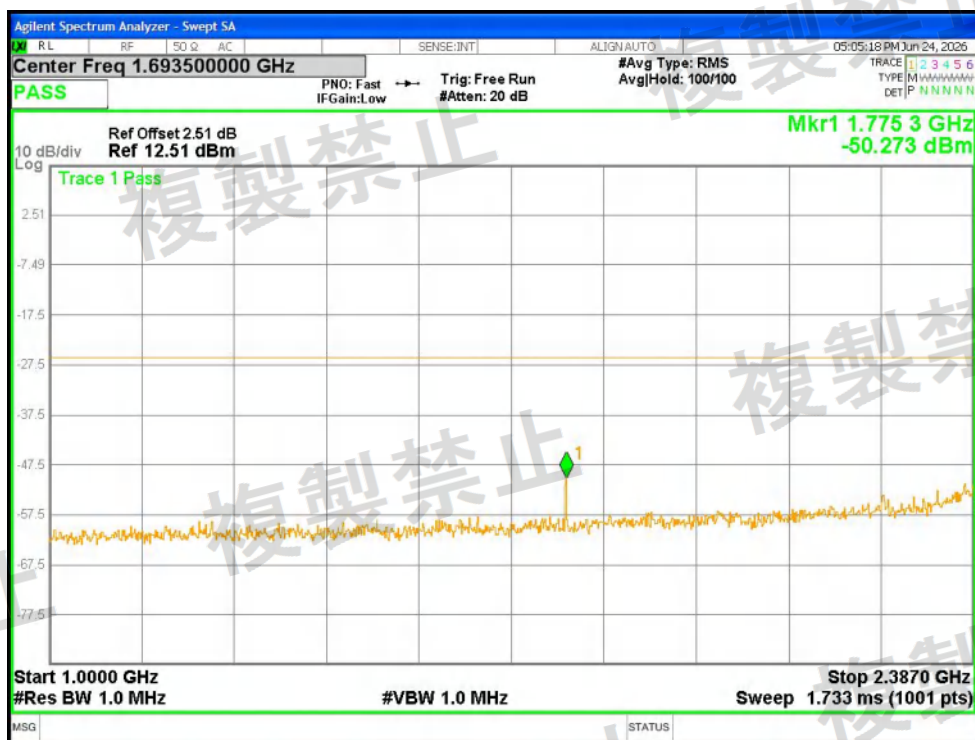
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Max Peak Value (dBm)	Max RMS Value (dBm)	Max Peak Value (uW/MHz)	Max RMS Value (uW/MHz)	Limit Start(uW/MHz)	Limit Stop (uW/MHz)	Verdict
NVNT	b	2412	Ant1	30-1000	902.03	-58.08	NA	0.0016	NA	2.5	2.5	Pass
NVNT	b	2412	Ant1	1000-2387	1775.33	-50.27	NA	0.0094	NA	2.5	2.5	Pass
NVNT	b	2412	Ant1	2387-2400	2399.99	-37.71	NA	0.1694	NA	25	25	Pass
NVNT	b	2412	Ant1	2483.5-2496.5	2496.08	-52.33	NA	0.0058	NA	25	25	Pass
NVNT	b	2412	Ant1	2496.5-13000	2507.00	-52.66	NA	0.0054	NA	2.5	2.5	Pass
NVNT	b	2442	Ant1	30-1000	89.17	-57.87	NA	0.0016	NA	2.5	2.5	Pass
NVNT	b	2442	Ant1	1000-2387	2380.07	-52.92	NA	0.0051	NA	2.5	2.5	Pass
NVNT	b	2442	Ant1	2387-2400	2399.71	-51.51	NA	0.0071	NA	25	25	Pass
NVNT	b	2442	Ant1	2483.5-2496.5	2486.59	-51.27	NA	0.0075	NA	25	25	Pass
NVNT	b	2442	Ant1	2496.5-13000	2538.51	-53.04	NA	0.005	NA	2.5	2.5	Pass
NVNT	b	2472	Ant1	30-1000	830.25	-58.42	NA	0.0014	NA	2.5	2.5	Pass
NVNT	b	2472	Ant1	1000-2387	2352.32	-53.96	NA	0.004	NA	2.5	2.5	Pass
NVNT	b	2472	Ant1	2387-2400	2394.11	-51.88	NA	0.0065	NA	25	25	Pass
NVNT	b	2472	Ant1	2483.5-2496.5	2484.09	-38.65	NA	0.1365	NA	25	25	Pass
NVNT	b	2472	Ant1	2496.5-13000	2496.50	-51.05	NA	0.0079	NA	2.5	2.5	Pass
NVNT	g	2412	Ant1	30-1000	251.16	-58.24	NA	0.0015	NA	2.5	2.5	Pass
NVNT	g	2412	Ant1	1000-2387	2387.00	-45.05	NA	0.0313	NA	2.5	2.5	Pass
NVNT	g	2412	Ant1	2387-2400	2399.91	-21.65	NA	6.8391	NA	25	25	Pass
NVNT	g	2412	Ant1	2483.5-2496.5	2489.49	-49.26	NA	0.0119	NA	25	25	Pass
NVNT	g	2412	Ant1	2496.5-13000	2496.50	-50.43	NA	0.0091	NA	2.5	2.5	Pass
NVNT	g	2442	Ant1	30-1000	843.83	-58.35	NA	0.0015	NA	2.5	2.5	Pass
NVNT	g	2442	Ant1	1000-2387	2373.13	-49.69	NA	0.0107	NA	2.5	2.5	Pass
NVNT	g	2442	Ant1	2387-2400	2391.82	-47.66	NA	0.0171	NA	25	25	Pass
NVNT	g	2442	Ant1	2483.5-2496.5	2489.05	-48.03	NA	0.0157	NA	25	25	Pass
NVNT	g	2442	Ant1	2496.5-13000	2507.00	-49.70	NA	0.0107	NA	2.5	2.5	Pass
NVNT	g	2472	Ant1	30-1000	340.40	-58.77	NA	0.0013	NA	2.5	2.5	Pass
NVNT	g	2472	Ant1	1000-2387	2384.23	-50.20	NA	0.0095	NA	2.5	2.5	Pass
NVNT	g	2472	Ant1	2387-2400	2395.71	-48.76	NA	0.0133	NA	25	25	Pass
NVNT	g	2472	Ant1	2483.5-2496.5	2483.53	-20.12	NA	9.7275	NA	25	25	Pass
NVNT	g	2472	Ant1	2496.5-13000	2496.50	-44.84	NA	0.0328	NA	2.5	2.5	Pass
NVNT	n20	2412	Ant1	30-1000	729.37	-57.96	NA	0.0016	NA	2.5	2.5	Pass
NVNT	n20	2412	Ant1	1000-2387	2385.61	-47.30	NA	0.0186	NA	2.5	2.5	Pass
NVNT	n20	2412	Ant1	2387-2400	2399.84	-20.09	NA	9.7949	NA	25	25	Pass
NVNT	n20	2412	Ant1	2483.5-2496.5	2485.45	-48.45	NA	0.0143	NA	25	25	Pass
NVNT	n20	2412	Ant1	2496.5-13000	2528.01	-50.91	NA	0.0081	NA	2.5	2.5	Pass
NVNT	n20	2442	Ant1	30-1000	876.81	-58.86	NA	0.0013	NA	2.5	2.5	Pass
NVNT	n20	2442	Ant1	1000-2387	2384.23	-49.49	NA	0.0112	NA	2.5	2.5	Pass

Report

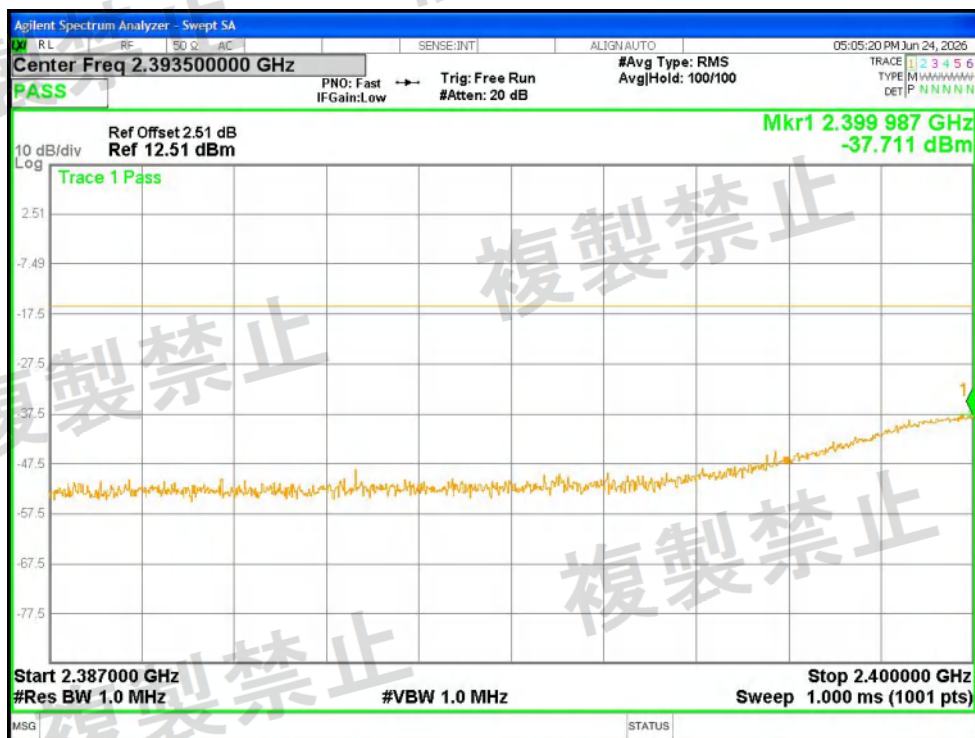
NVNT	n20	2442	Ant1	2387-2400	2387.27	-47.14	NA	0.0193	NA	25	25	Pass
NVNT	n20	2442	Ant1	2483.5-2496.5	2489.61	-48.41	NA	0.0144	NA	25	25	Pass
NVNT	n20	2442	Ant1	2496.5-13000	2528.01	-49.47	NA	0.0113	NA	2.5	2.5	Pass
NVNT	n20	2472	Ant1	30-1000	964.11	-58.24	NA	0.0015	NA	2.5	2.5	Pass
NVNT	n20	2472	Ant1	1000-2387	2381.45	-49.91	NA	0.0102	NA	2.5	2.5	Pass
NVNT	n20	2472	Ant1	2387-2400	2393.47	-48.41	NA	0.0144	NA	25	25	Pass
NVNT	n20	2472	Ant1	2483.5-2496.5	2483.54	-19.11	NA	12.2744	NA	25	25	Pass
NVNT	n20	2472	Ant1	2496.5-13000	3494.33	-36.13	NA	0.2438	NA	2.5	2.5	Pass
NVNT	n40	2422	Ant1	30-1000	30.00	-52.08	NA	0.0062	NA	2.5	2.5	Pass
NVNT	n40	2422	Ant1	1000-2387	2387.00	-38.01	NA	0.1581	NA	2.5	2.5	Pass
NVNT	n40	2422	Ant1	2387-2400	2399.99	-17.85	-35.79	16.4059	0.2636	25	25	Pass
NVNT	n40	2422	Ant1	2483.5-2496.5	2485.29	-45.04	NA	0.0313	NA	25	25	Pass
NVNT	n40	2422	Ant1	2496.5-13000	3494.33	-37.93	NA	0.1611	NA	2.5	2.5	Pass
NVNT	n40	2442	Ant1	30-1000	30.00	-53.00	NA	0.005	NA	2.5	2.5	Pass
NVNT	n40	2442	Ant1	1000-2387	2384.23	-45.01	NA	0.0316	NA	2.5	2.5	Pass
NVNT	n40	2442	Ant1	2387-2400	2398.78	-38.43	NA	0.1435	NA	25	25	Pass
NVNT	n40	2442	Ant1	2483.5-2496.5	2487.67	-34.84	NA	0.3281	NA	25	25	Pass
NVNT	n40	2442	Ant1	2496.5-13000	3420.81	-34.60	NA	0.3467	NA	2.5	2.5	Pass
NVNT	n40	2462	Ant1	30-1000	30.97	-53.06	NA	0.0049	NA	2.5	2.5	Pass
NVNT	n40	2462	Ant1	1000-2387	2364.81	-49.96	NA	0.0101	NA	2.5	2.5	Pass
NVNT	n40	2462	Ant1	2387-2400	2399.43	-45.39	NA	0.0289	NA	25	25	Pass
NVNT	n40	2462	Ant1	2483.5-2496.5	2483.51	-17.92	-34.5	16.1436	0.3548	25	25	Pass
NVNT	n40	2462	Ant1	2496.5-13000	2496.50	-32.33	NA	0.5848	NA	2.5	2.5	Pass



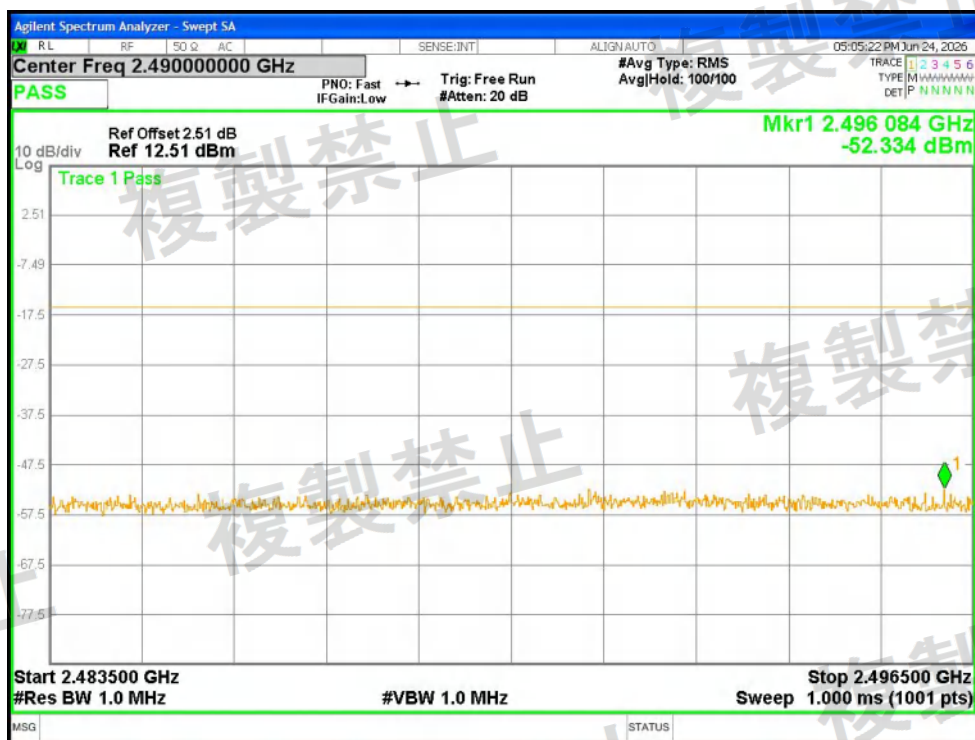
Tx. Spurious NVNT b 2412MHz Ant1 @ 30MHz-1000MHz



Tx. Spurious NVNT b 2412MHz Ant1 @ 1000MHz-2387MHz

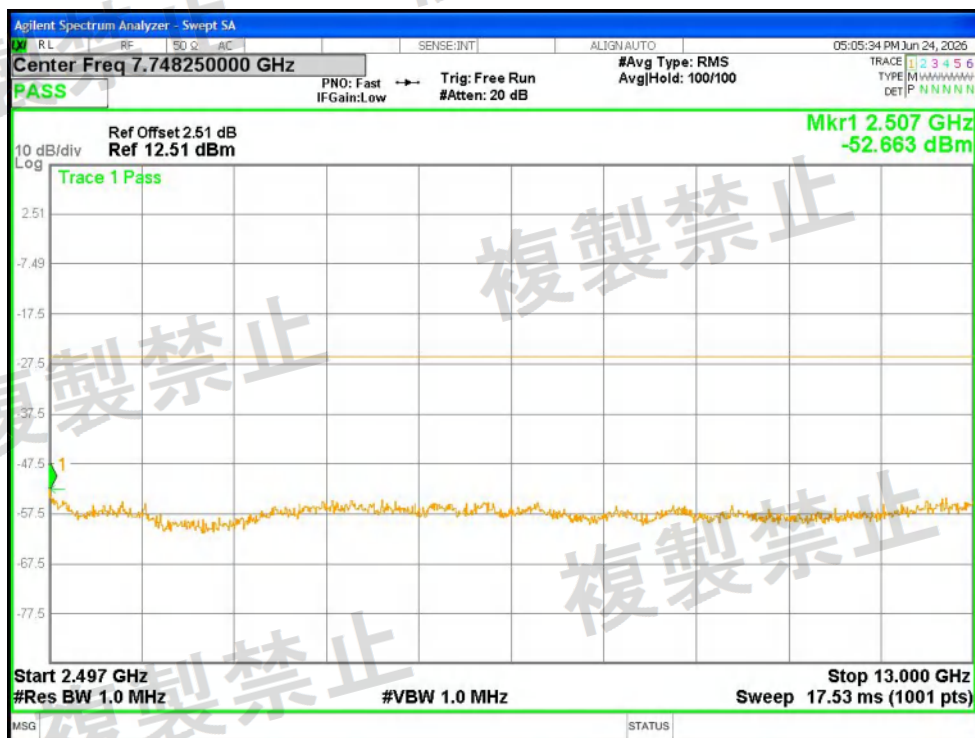


Tx. Spurious NVNT b 2412MHz Ant1 @ 2387MHz-2400MHz

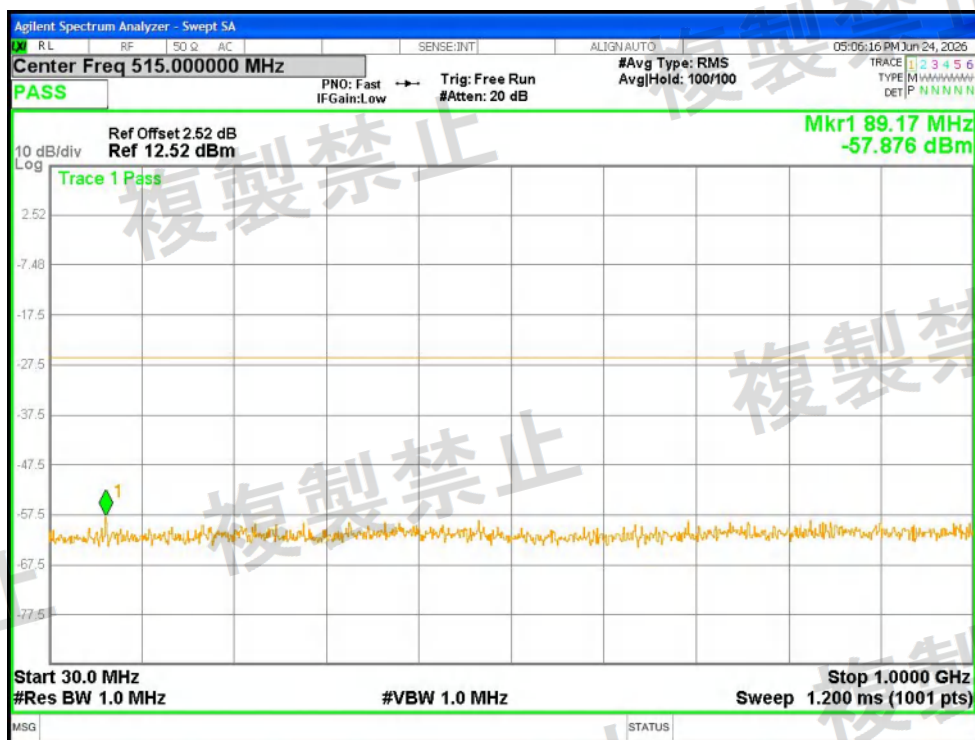


Tx. Spurious NVNT b 2412MHz Ant1 @ 2483.5MHz-2496.5MHz

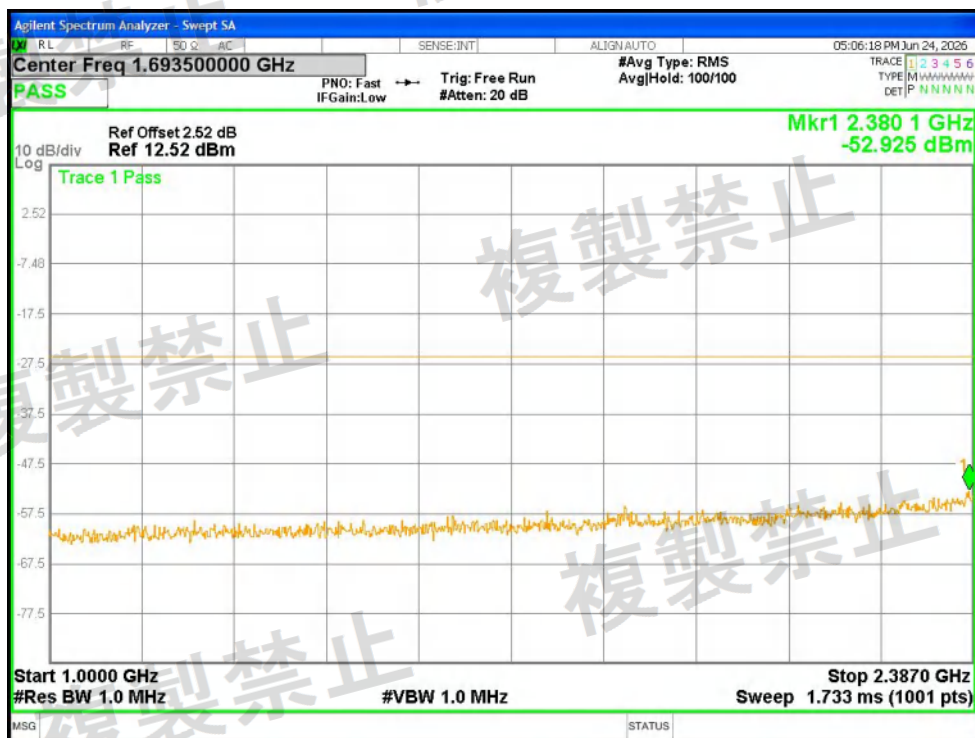
Report



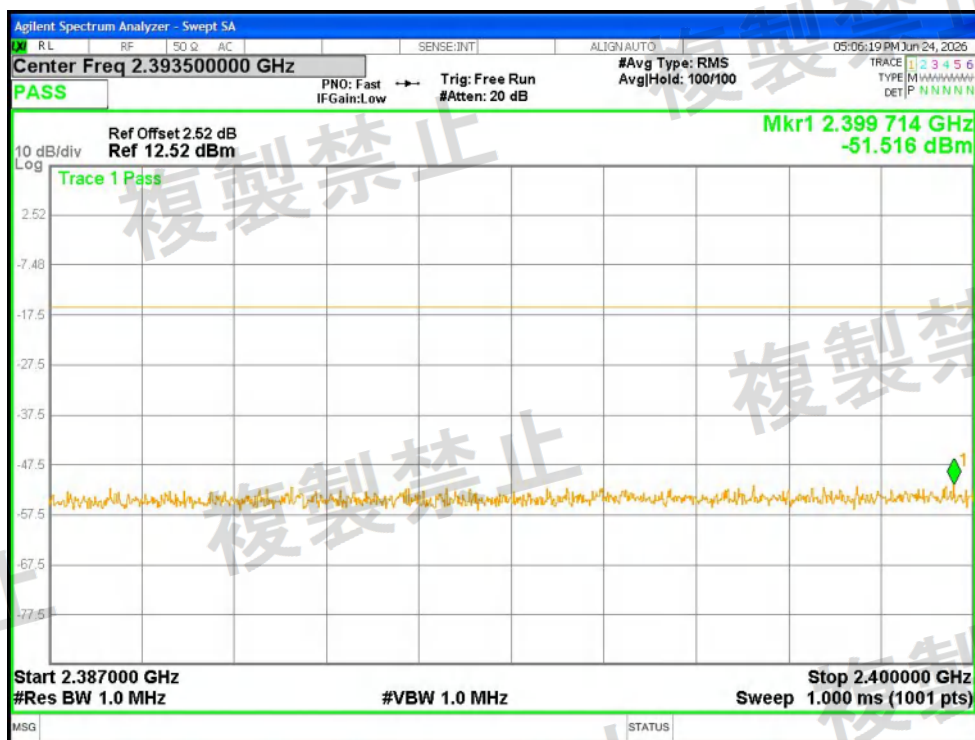
Tx. Spurious NVNT b 2412MHz Ant1 @ 2496.5MHz-13000MHz



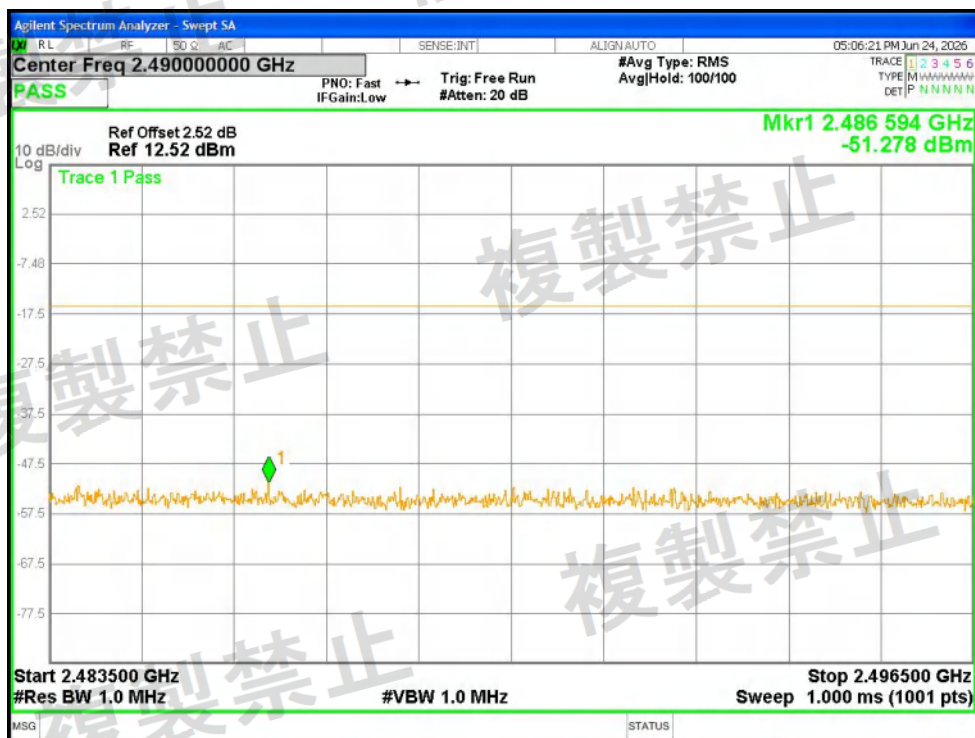
Tx. Spurious NVNT b 2442MHz Ant1 @ 30MHz-1000MHz



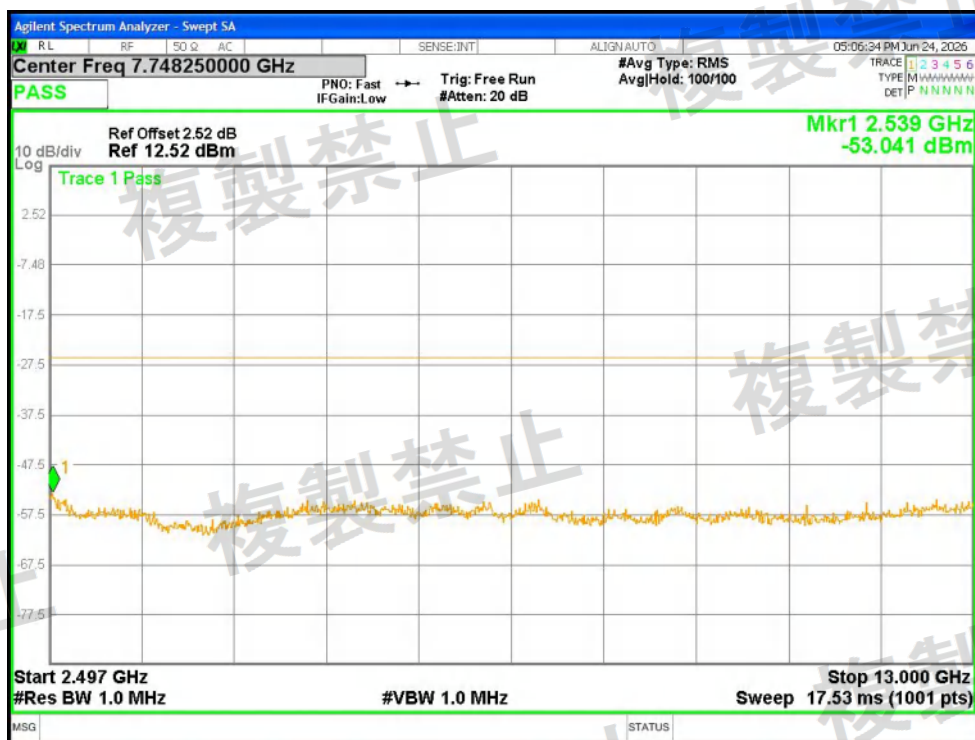
Tx. Spurious NVNT b 2442MHz Ant1 @ 1000MHz-2387MHz



Tx. Spurious NVNT b 2442MHz Ant1 @ 2387MHz-2400MHz

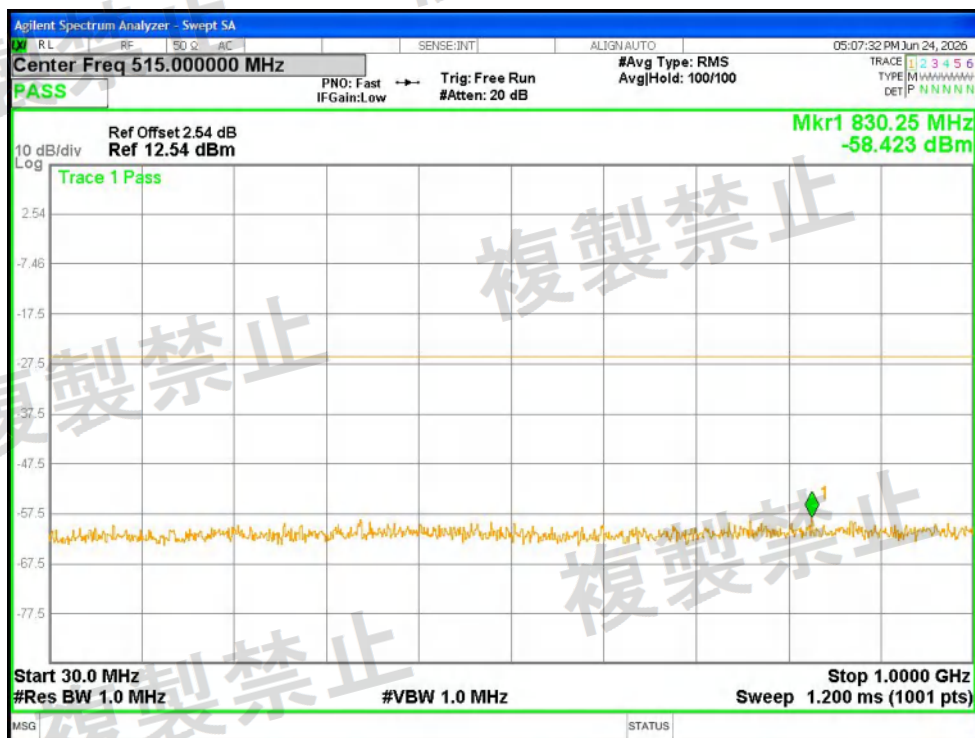


Tx. Spurious NVNT b 2442MHz Ant1 @ 2483.5MHz-2496.5MHz

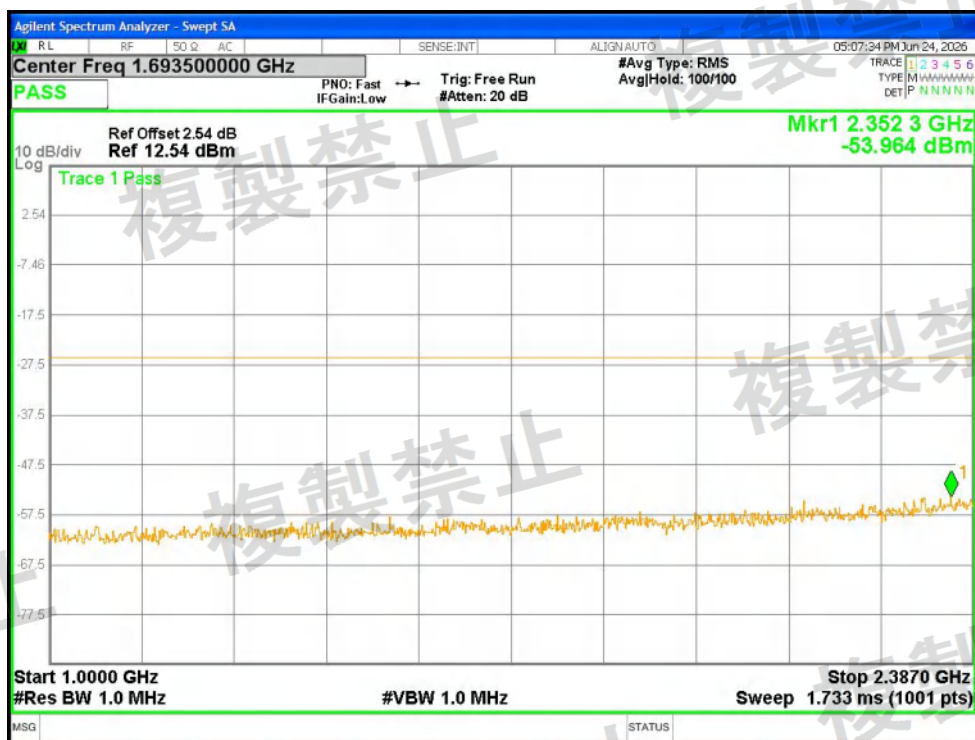


Tx. Spurious NVNT b 2442MHz Ant1 @ 2496.5MHz-13000MHz

Report



Tx. Spurious NVNT b 2472MHz Ant1 @ 30MHz-1000MHz



Tx. Spurious NVNT b 2472MHz Ant1 @ 1000MHz-2387MHz