

REPORT NO. : ETS-202603000150

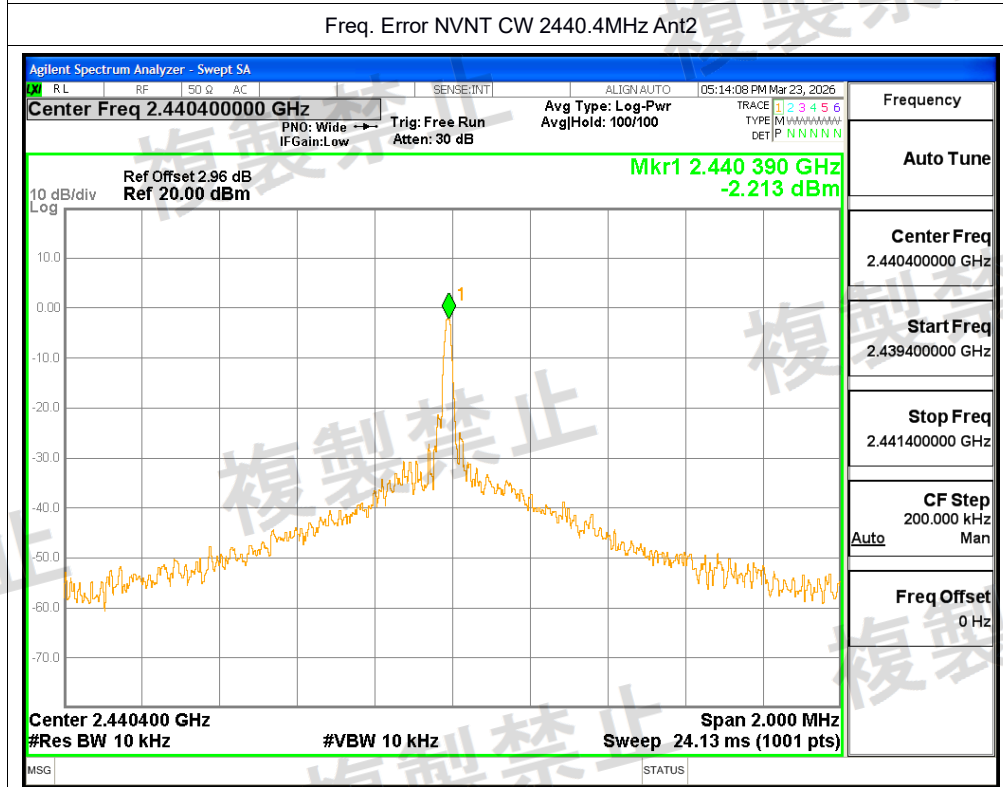
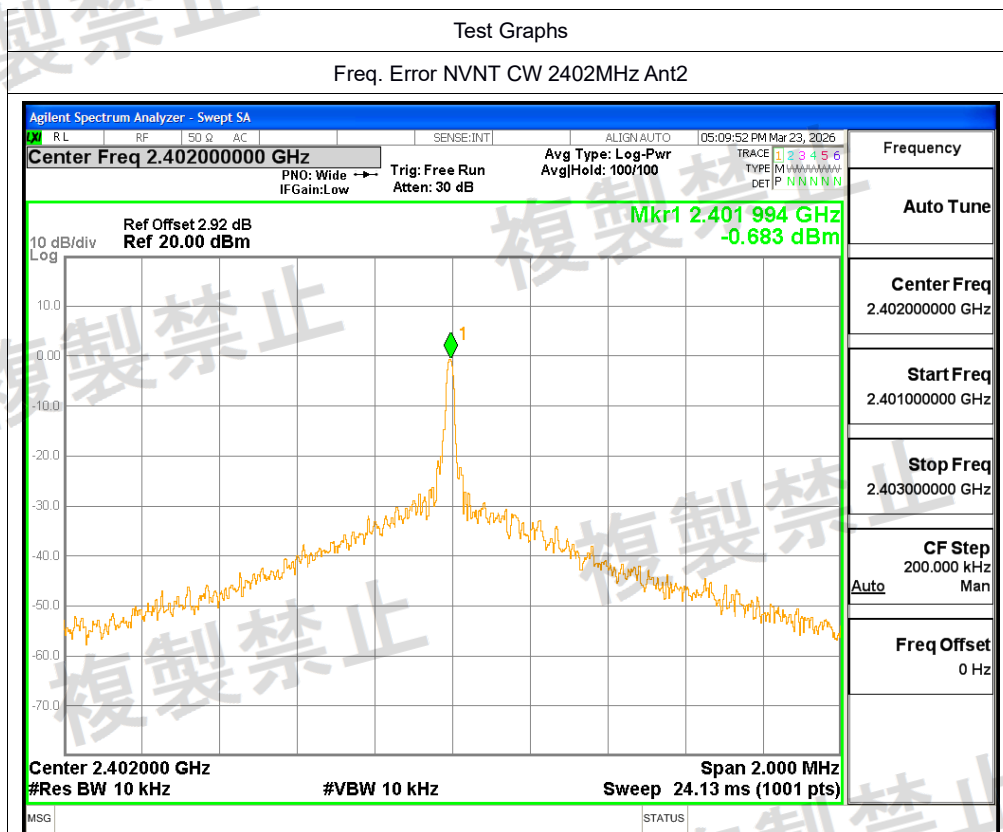
PRODUCT NAME : Receiver

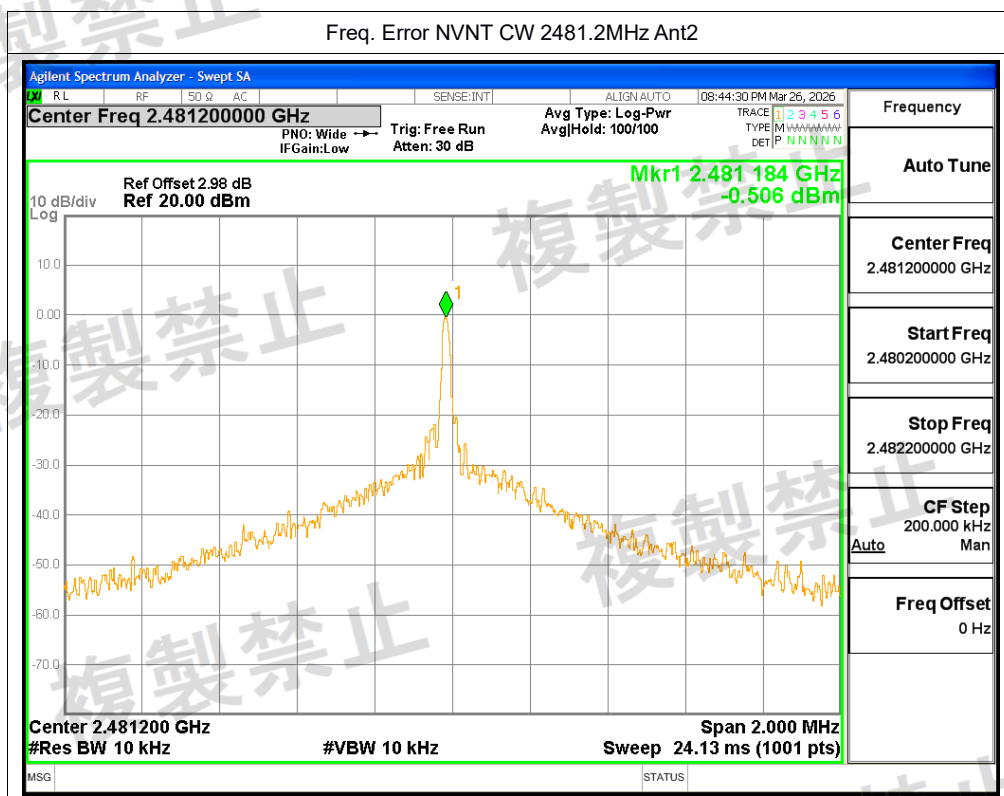
BRAND NAME : **RadioLink**

TEST MODEL NO. : R16F

Frequency Error

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	CW	2402	Ant2	2401.994	-6000	-2.5	50	Pass
		2440.4		2440.39	-10000	-4.1	50	Pass
		2480		2481.184	-16000	-6.45	50	Pass





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Dongguan: Room 205, Building 5, No.36 Xinzhou Middle Street, Lin Village, Tangxia Town, Dongguan

Shanghai: Room 8410, No.518, Zhuyuan Road, Minhang District, Shanghai

Antenna Power

Condition	Mode	Frequency (MHz)	Antenna	Power (dBm/MHz)	Power (mW/MHz)	Limit (mW/MHz)	Declared Power (mW/MHz)	Tolerance (%)	Upper Limit (%)	Verdict
NVNT	FSK	hopping	Ant2	0.29	1.069	3	3	-64.37%	-80~+20	Pass

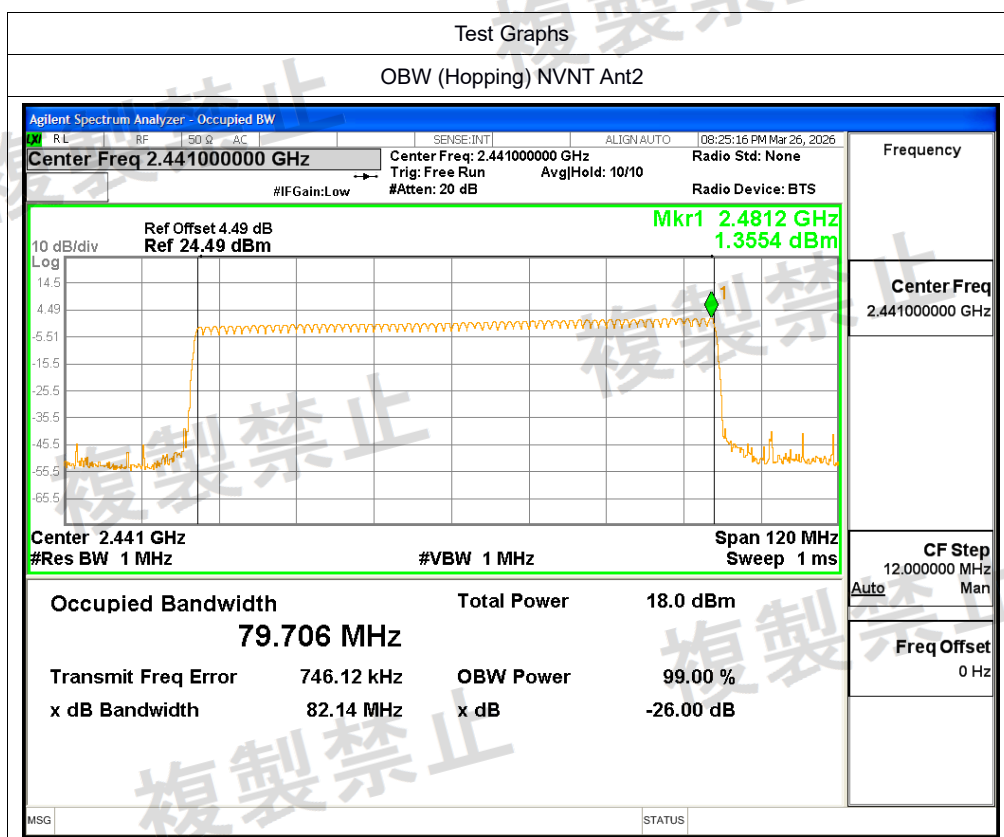
Note: antenna power=total power/Spread Bandwidth

EIRP Power

Condition	Mode	Frequency (MHz)	Antenna	Antenna Power (dBm/MHz)	Gain (dBi)	EIRP Power (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	FSK	hopping	Ant2	0.29	1.51	1.80	6.91	Pass

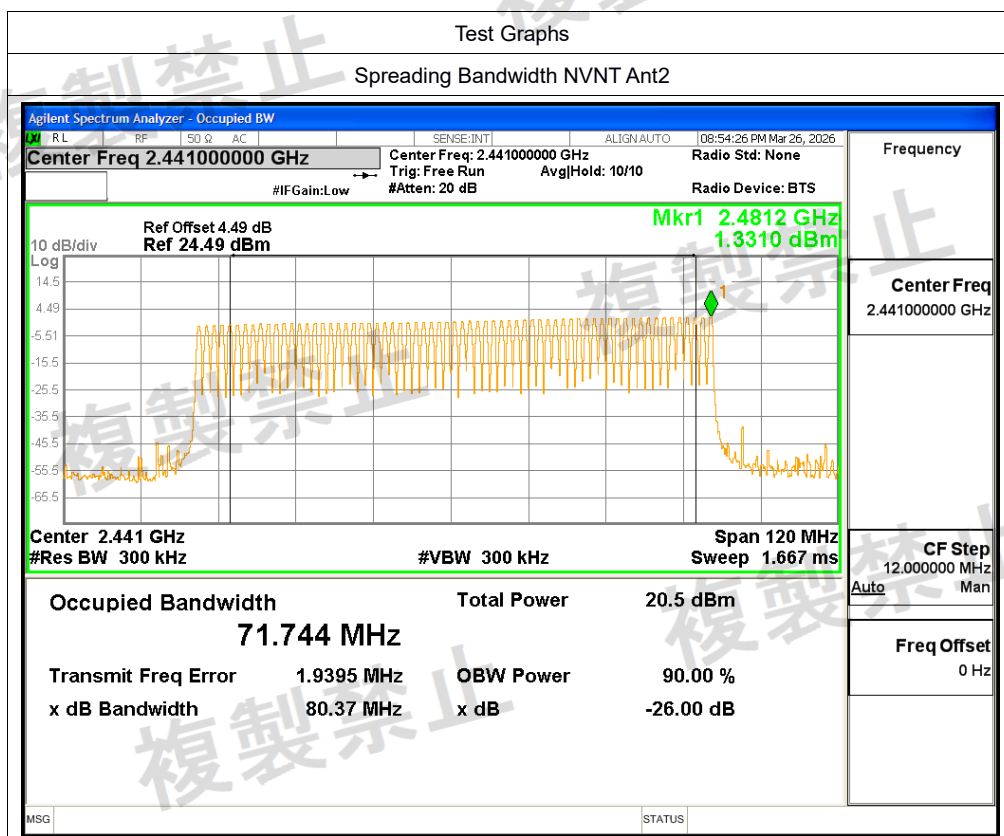
Occupied Channel Bandwidth (Hopping)

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	Lower Limit (MHz)	Upper Limit (MHz)	Verdict
NVNT	FSK	Hopping	Ant2	79.706	N/A	83.5	Pass



Spreading Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	90% OBW (MHz)	Spread Factor
NVNT	FSK	Hopping	Ant1	71.744	71.744
Spread Factor=Spread BW/Transmission Rate, Transmission Rate=1					

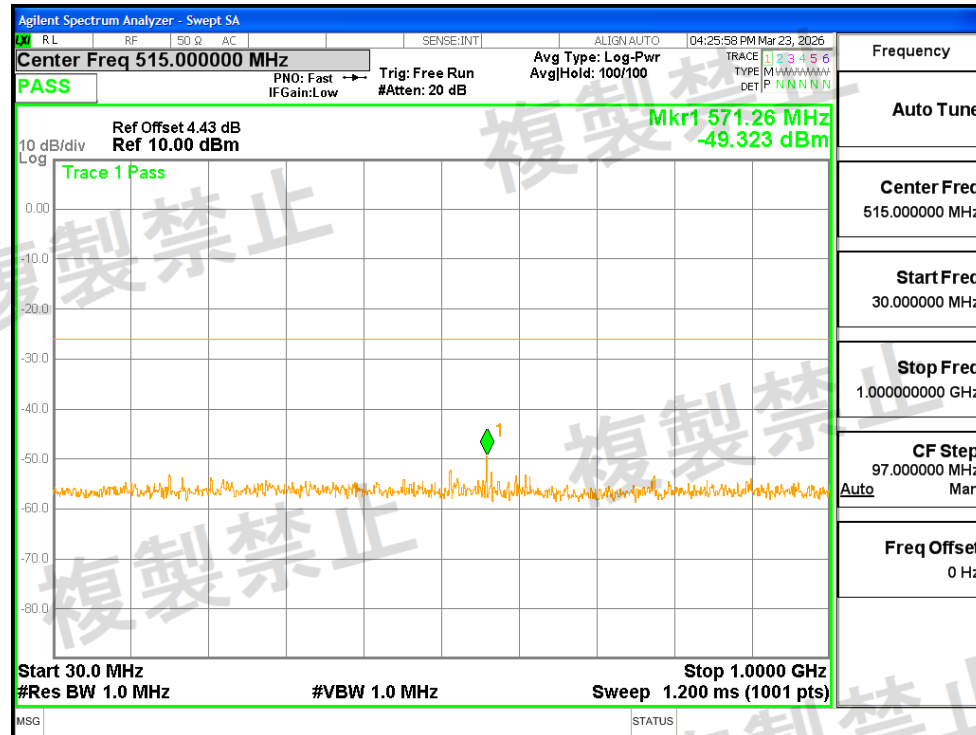


Tx Spurious Emission

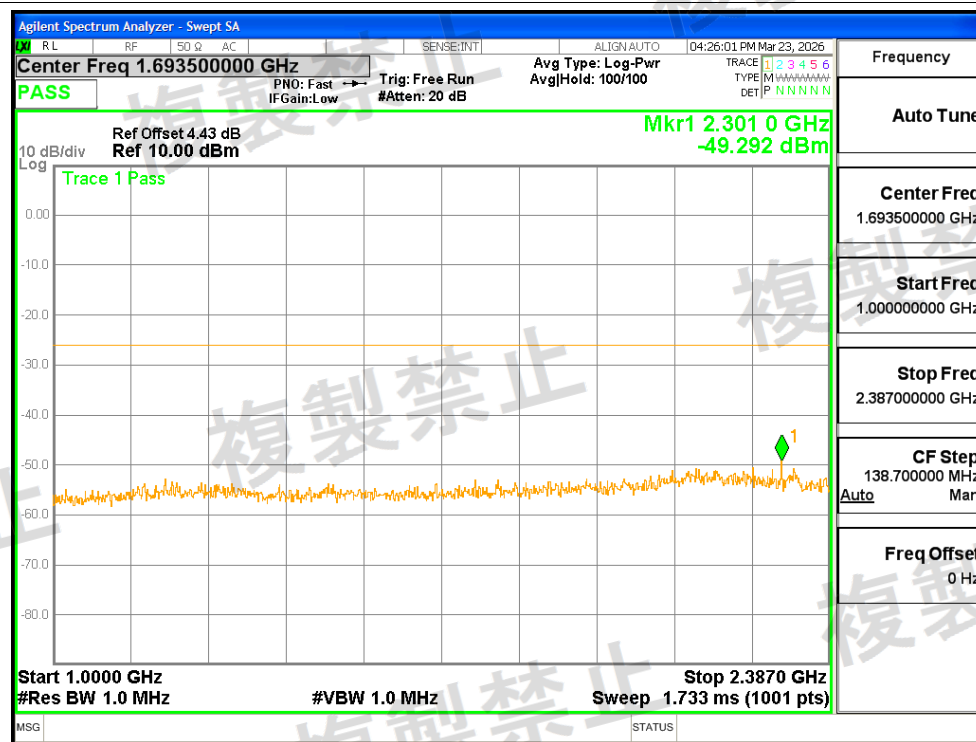
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Result (dBm/MHz)	Result (uW/MHz)	Limit (uW/MHz)	Verdict
NVNT	FSK	2402	Ant2	30-1000	571.26	-49.32	0.0117	2.5	Pass
				1000-2387	2301.01	-49.29	0.0118	2.5	Pass
				2387-2400	2398.38	-25.12	3.0761	25	Pass
				2483.5-2496.5	2488.88	-43.68	0.0429	25	Pass
				2496.5-13000	2507.00	-41.76	0.0667	2.5	Pass
		2440		30-1000	571.26	-53.43	0.0045	2.5	Pass
				1000-2387	1780.88	-46.31	0.0234	2.5	Pass
				2387-2400	2398.66	-45.09	0.031	25	Pass
				2483.5-2496.5	2484.67	-38.64	0.1368	25	Pass
				2496.5-13000	2549.02	-41.02	0.0791	2.5	Pass
		2440.4		30-1000	589.69	-53.05	0.005	2.5	Pass
				1000-2387	1773.95	-48.70	0.0135	2.5	Pass
				2387-2400	2399.10	-45.69	0.027	25	Pass
				2483.5-2496.5	2487.95	-39.35	0.1161	25	Pass
				2496.5-13000	2549.02	-43.34	0.0463	2.5	Pass
		2480		30-1000	615.88	-51.33	0.0074	2.5	Pass
				1000-2387	2144.28	-51.16	0.0077	2.5	Pass
				2387-2400	2398.49	-51.79	0.0066	25	Pass
				2483.5-2496.5	2488.45	-29.74	1.0617	25	Pass
				2496.5-13000	7160.05	-46.45	0.0226	2.5	Pass

Test Graphs

Tx. Spurious NVNT FSK 2402MHz Ant2 @ 30MHz-1000MHz



Tx. Spurious NVNT FSK 2402MHz Ant2 @ 1000MHz-2387MHz



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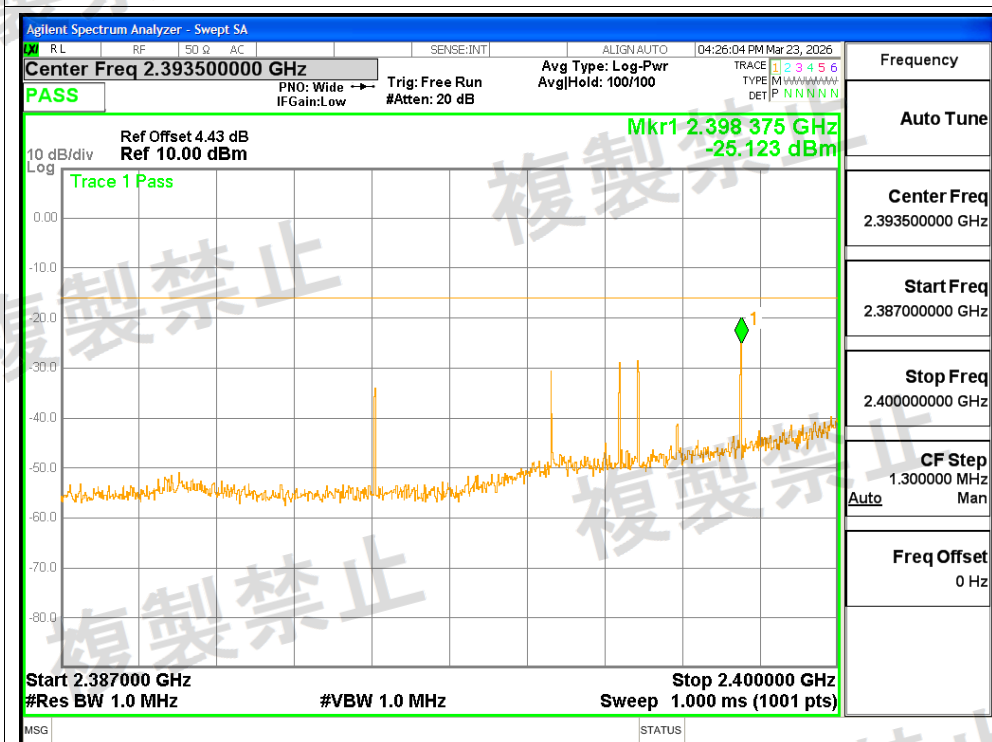
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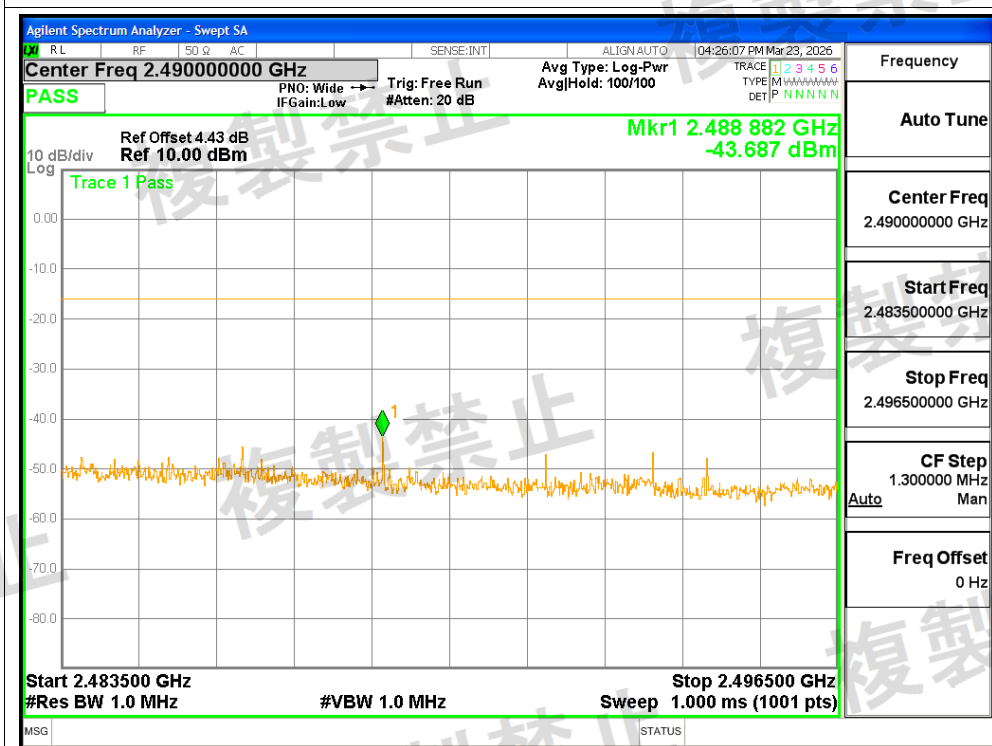
Dongguan: Room 205, Building 5, No.36 Xinzhou Middle Street, Lin Village, Tangxia Town, Dongguan

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Tx. Spurious NVNT FSK 2402MHz Ant2 @ 2387MHz-2400MHz



Tx. Spurious NVNT FSK 2402MHz Ant2 @ 2483.5MHz-2496.5MHz



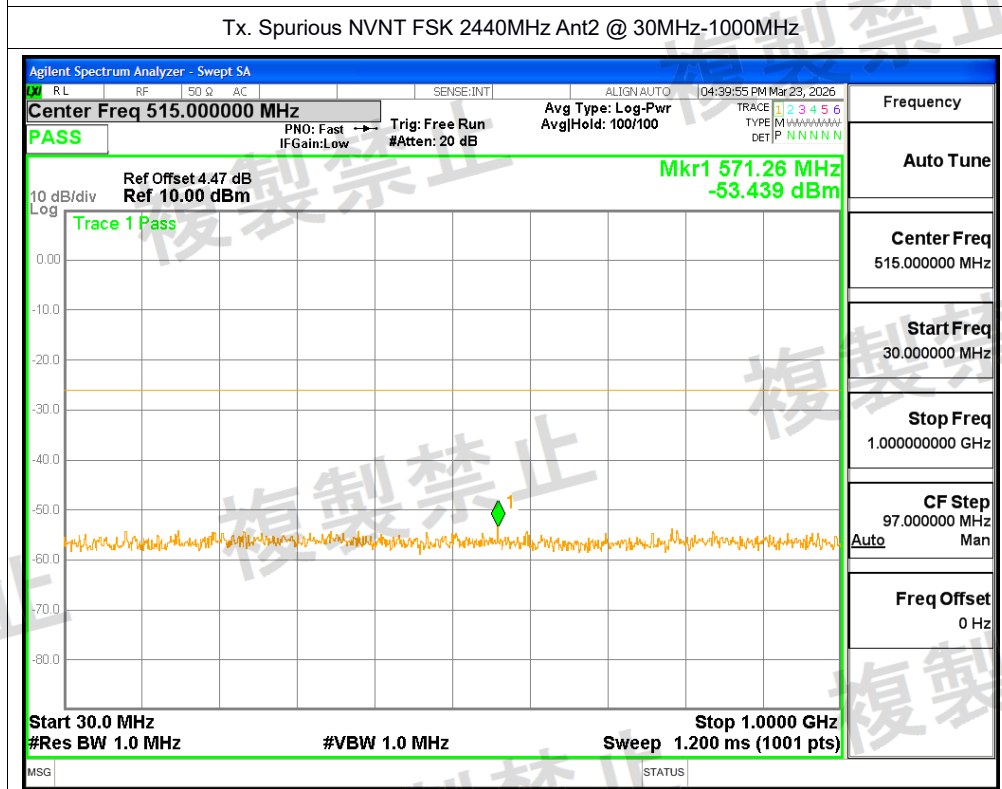
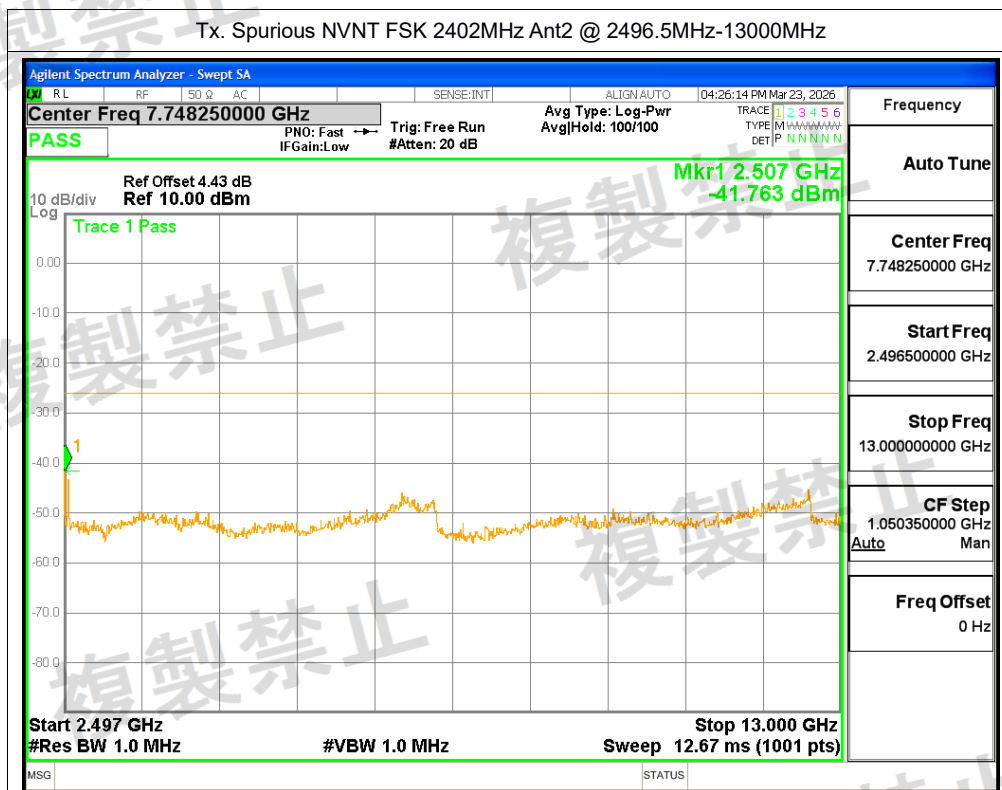
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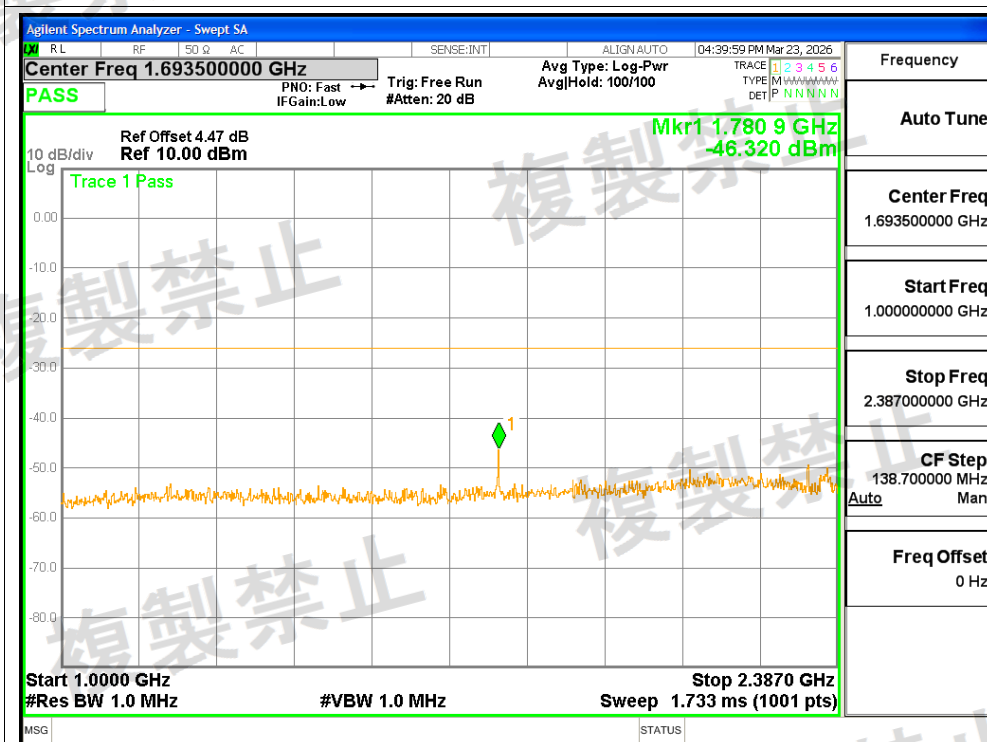
Foshan: Shenghui Building, Ronggui Street, Shunde District, Foshan

Dongguan: Room 205, Building 5, No.36 Xinzhou Middle Street, Lin Village, Tangxia Town, Dongguan

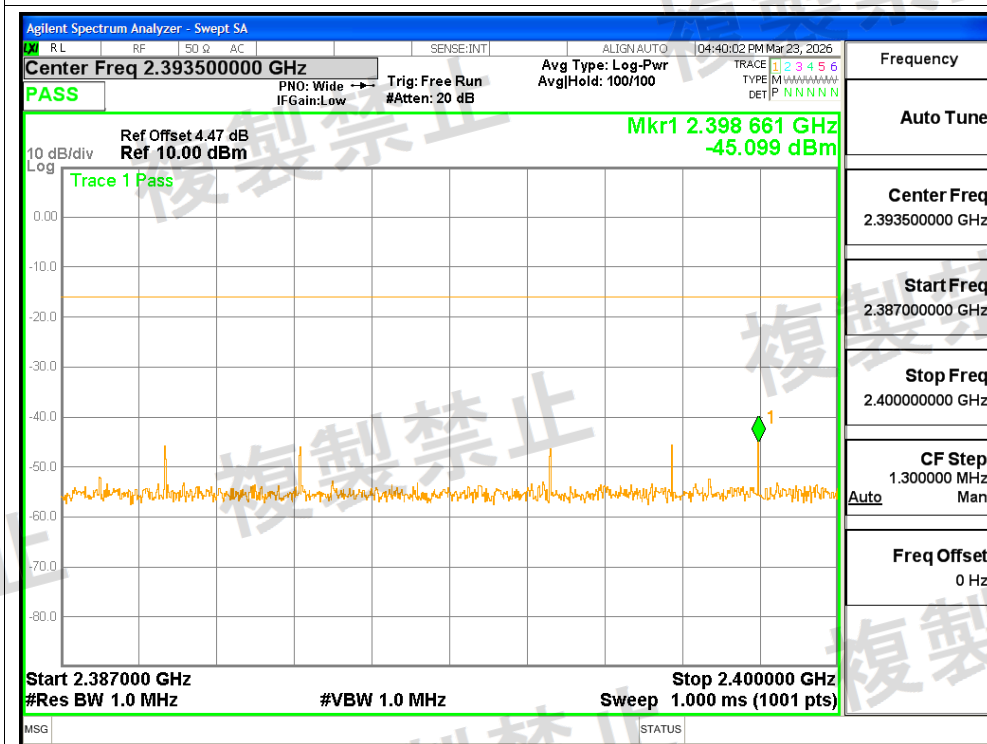
Shanghai: Room 8410, No.518, Zhuyuan Road, Minhang District, Shanghai



Tx. Spurious NVNT FSK 2440MHz Ant2 @ 1000MHz-2387MHz



Tx. Spurious NVNT FSK 2440MHz Ant2 @ 2387MHz-2400MHz



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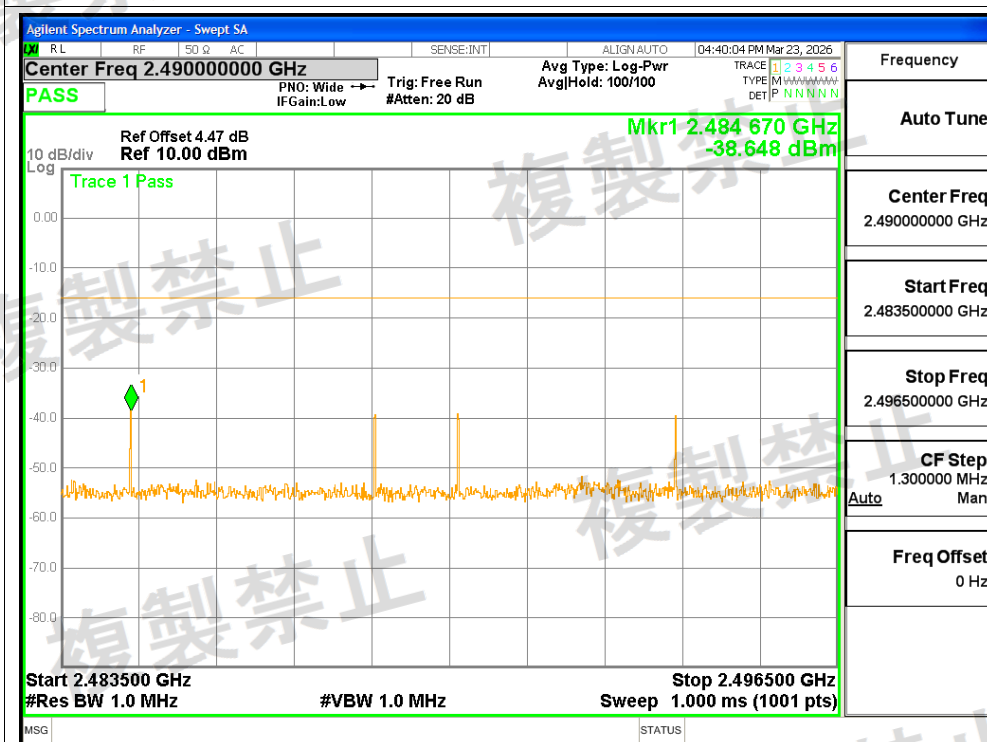
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Foshan: Shenghui Building, Ronggui Street, Shunde District, Foshan

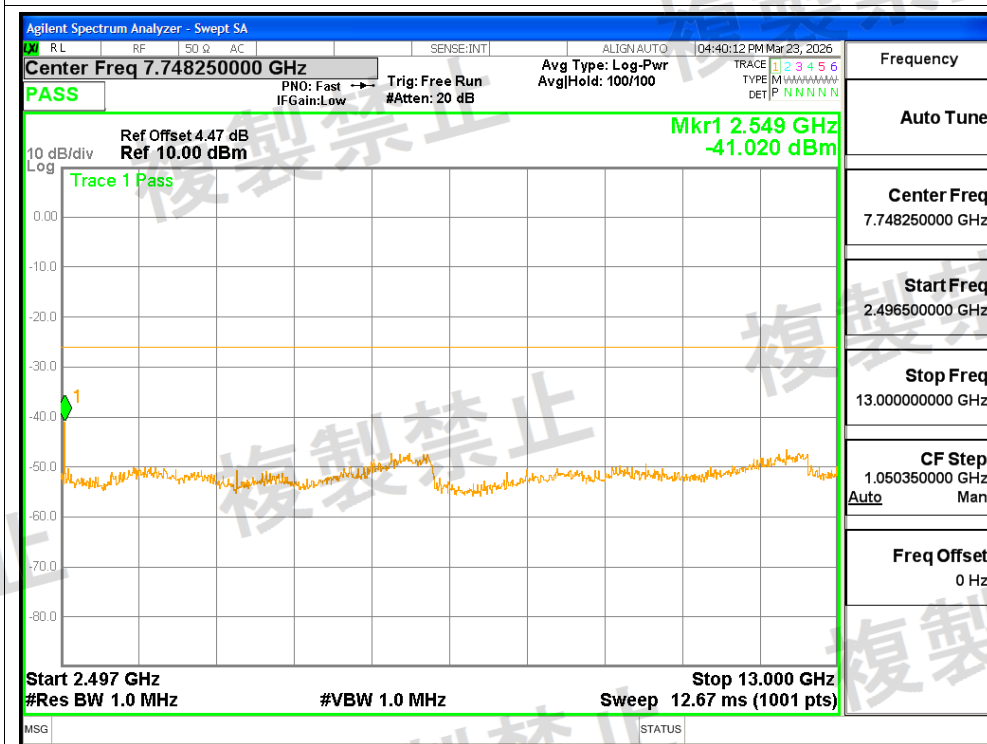
Dongguan: Room 205, Building 5, No.36 Xinzhou Middle Street, Lin Village, Tangxia Town, Dongguan

Shanghai: Room 8410, No.518, Zhuyuan Road, Minhang District, Shanghai

Tx. Spurious NVNT FSK 2440MHz Ant2 @ 2483.5MHz-2496.5MHz



Tx. Spurious NVNT FSK 2440MHz Ant2 @ 2496.5MHz-13000MHz



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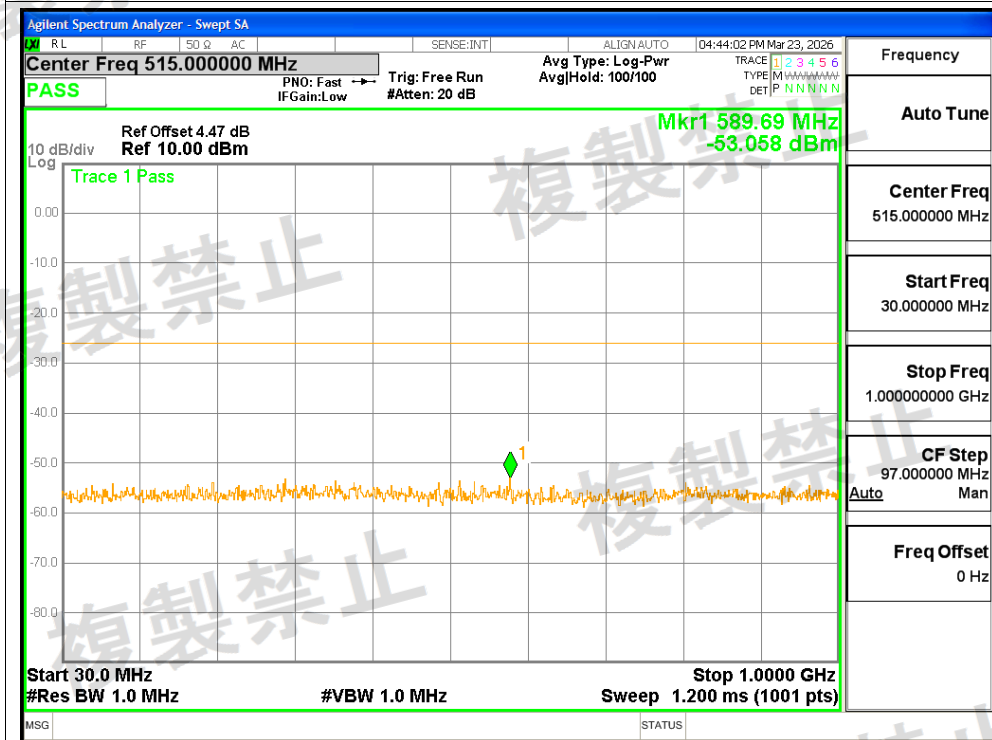
HQ: Room 413-415 Building B, Jinchi Business, Zone 49, Xin'an Street. Bao'an District, Shenzhen, China

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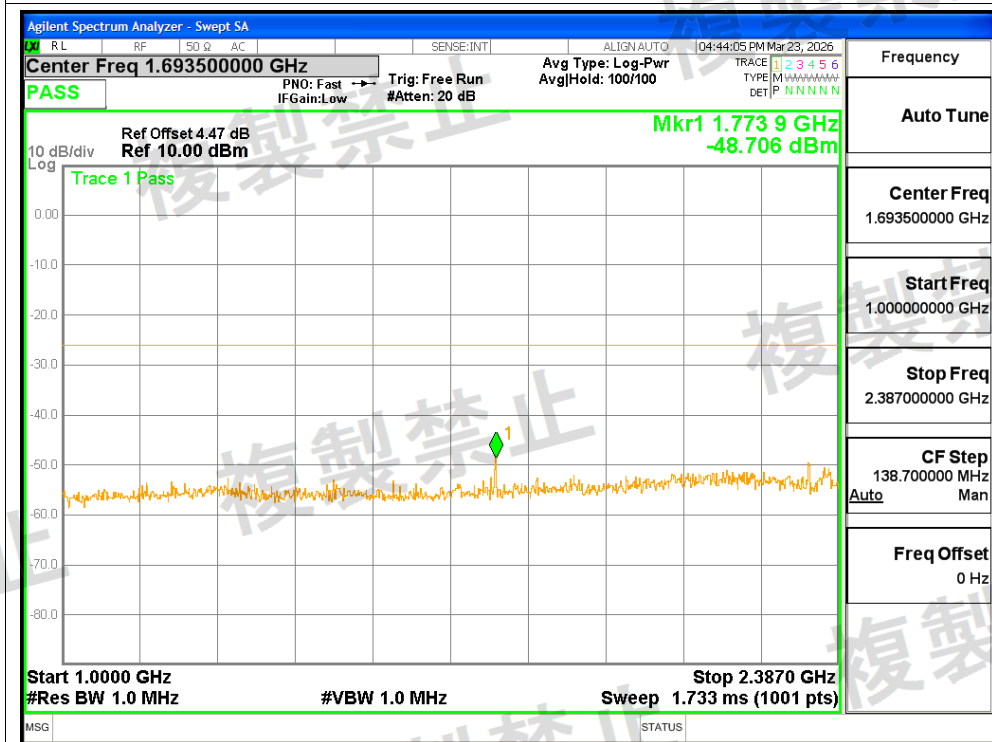
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Tx. Spurious NVNT FSK 2440.4MHz Ant2 @ 30MHz-1000MHz



Tx. Spurious NVNT FSK 2440.4MHz Ant2 @ 1000MHz-2387MHz



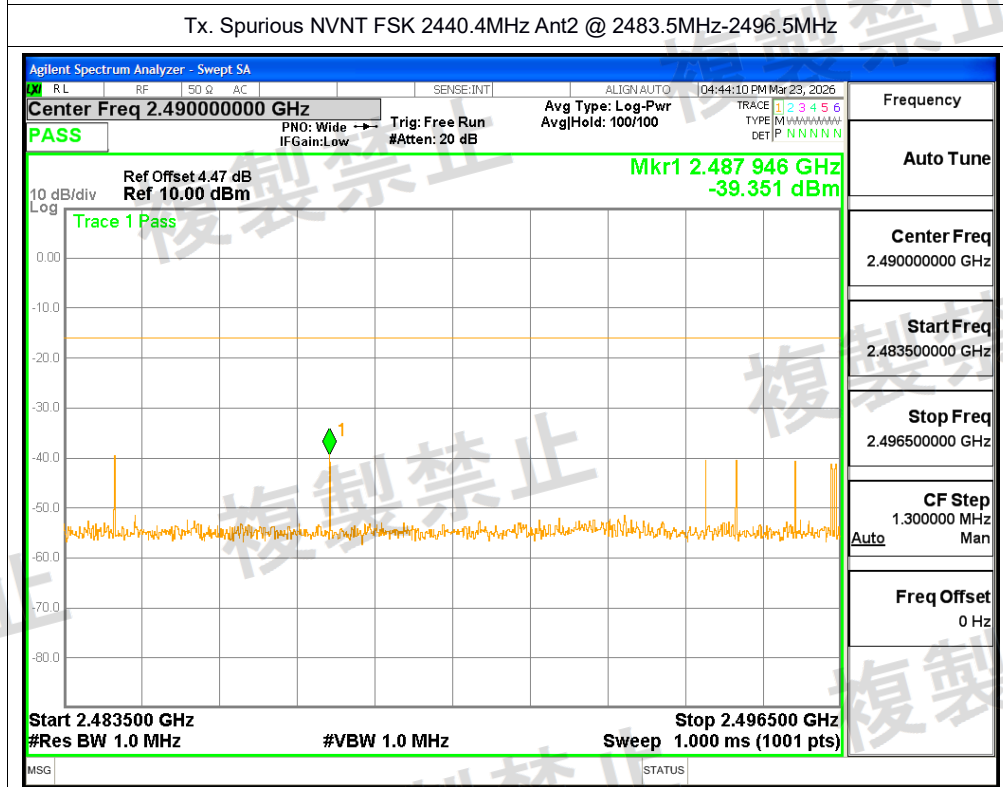
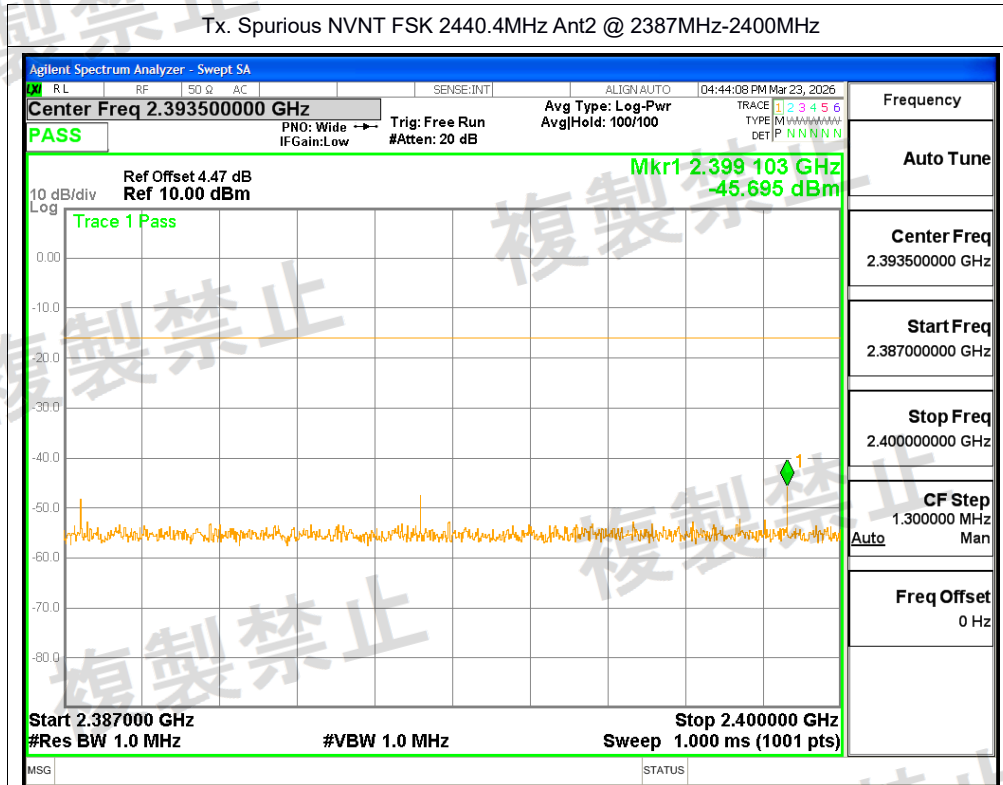
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HQ: Room 413-415 Building B, Jinchi Business, Zone 49, Xin'an Street. Bao'an District, Shenzhen, China

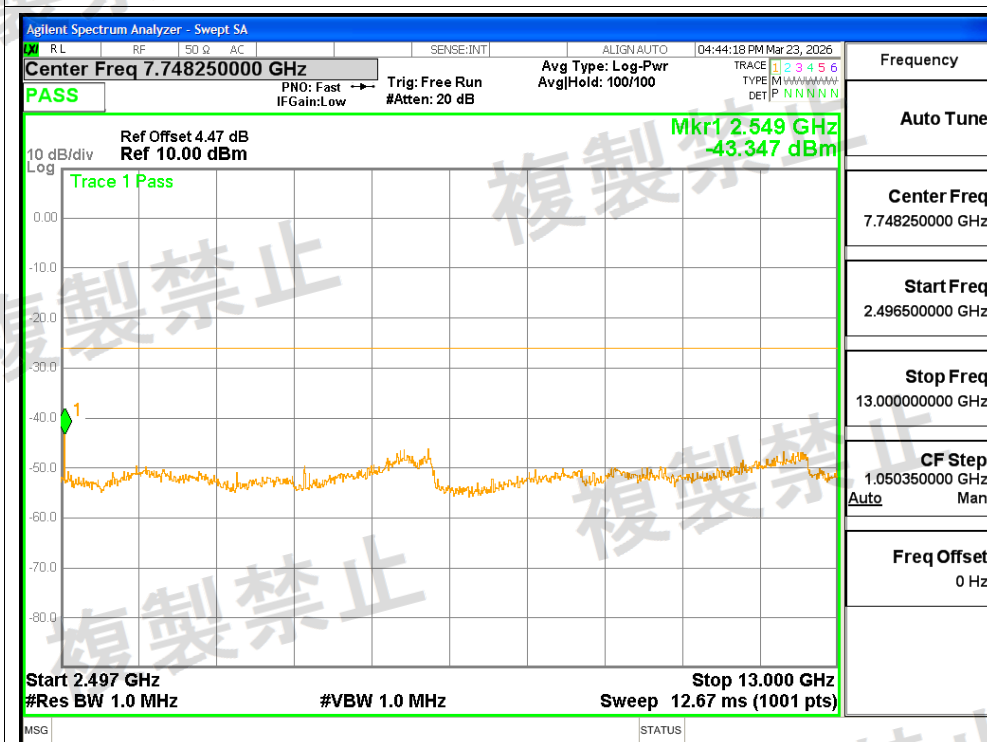
Foshan: Shenghui Building, Ronggui Street, Shunde District, Foshan

Dongguan: Room 205, Building 5, No.36 Xinzhou Middle Street, Lin Village, Tangxia Town, Dongguan

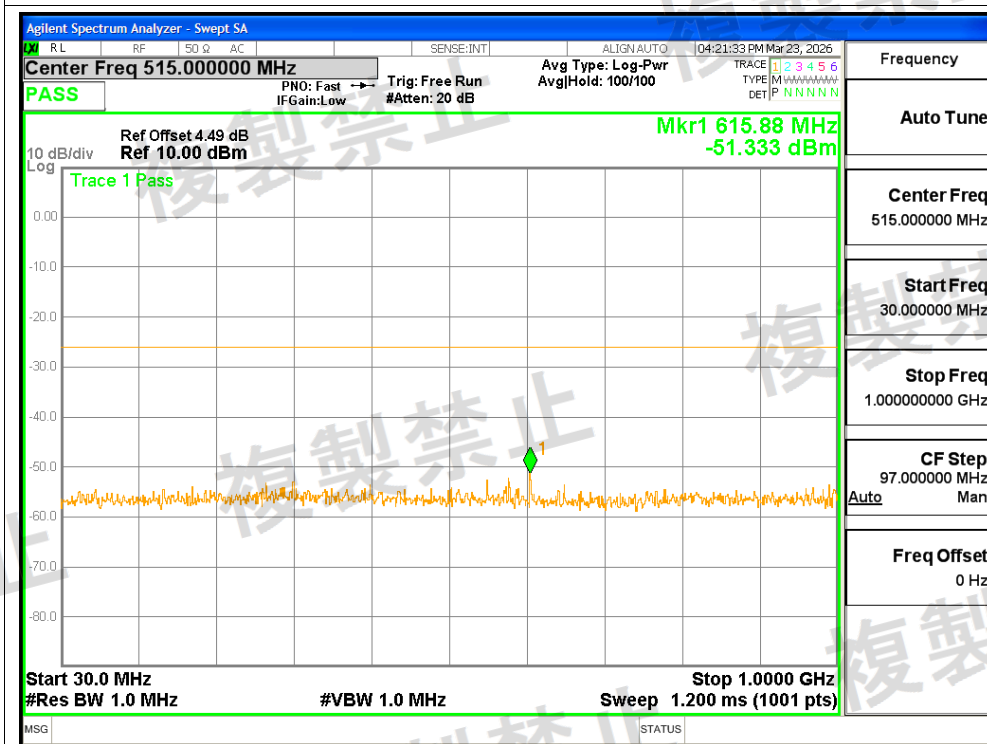
Shanghai: Room 8410, No.518, Zhuyuan Road, Minhang District, Shanghai



Tx. Spurious NVNT FSK 2440.4MHz Ant2 @ 2496.5MHz-13000MHz



Tx. Spurious NVNT FSK 2480MHz Ant2 @ 30MHz-1000MHz



Shenzhen Electronic Testing Services Co., Ltd.

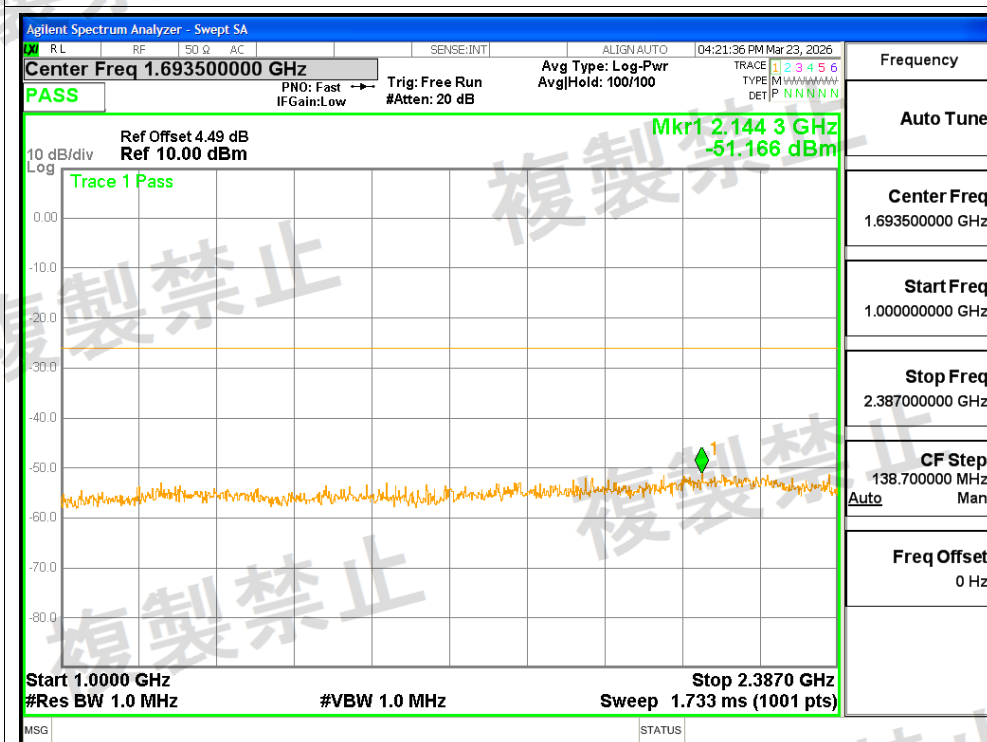
HQ: Room 413-415 Building B, Jinchi Business, Zone 49, Xin'an Street. Bao'an District, Shenzhen, China

Foshan: Shenghui Building, Ronggui Street, Shunde District, Foshan

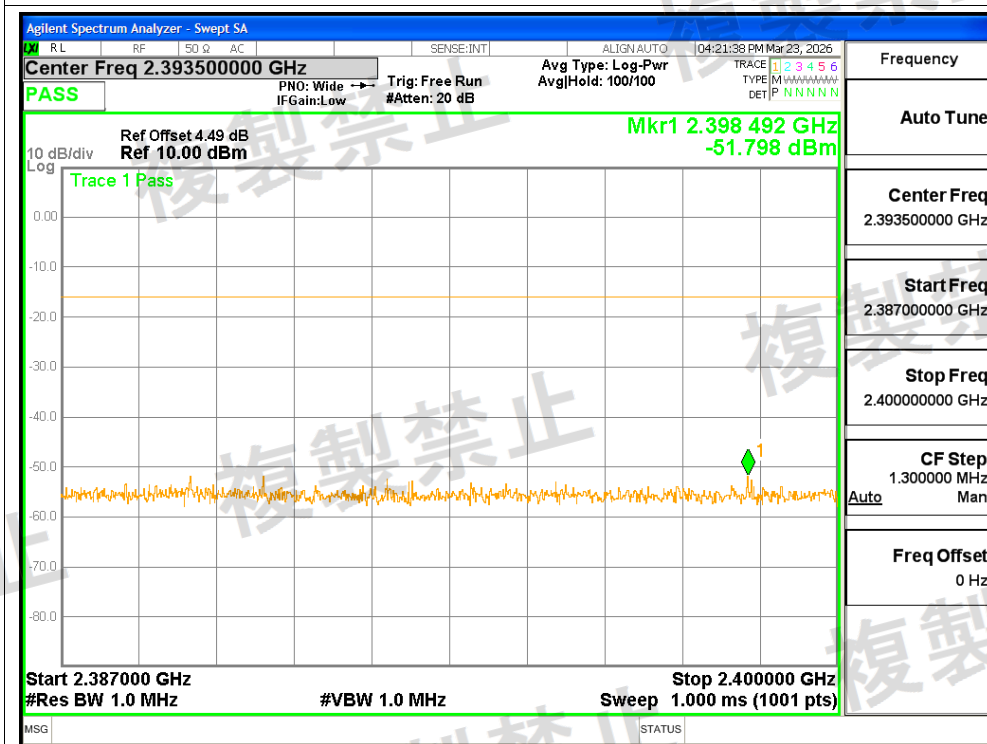
Dongguan: Room 205, Building 5, No.36 Xinzhou Middle Street, Lin Village, Tangxia Town, Dongguan

Shanghai: Room 8410, No.518, Zhuyuan Road, Minhang District, Shanghai

Tx. Spurious NVNT FSK 2480MHz Ant2 @ 1000MHz-2387MHz



Tx. Spurious NVNT FSK 2480MHz Ant2 @ 2387MHz-2400MHz



Shenzhen Electronic Testing Services Co., Ltd.

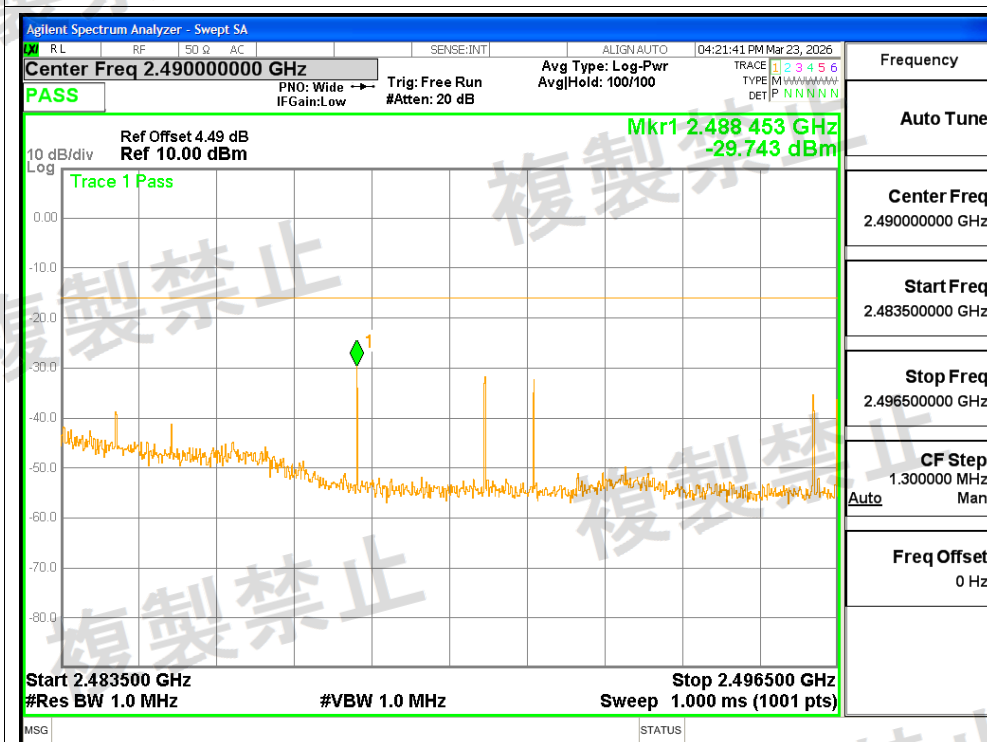
HQ: Room 413-415 Building B, Jinchi Business, Zone 49, Xin'an Street. Bao'an District, Shenzhen, China

Foshan: Shenghui Building, Ronggui Street, Shunde District, Foshan

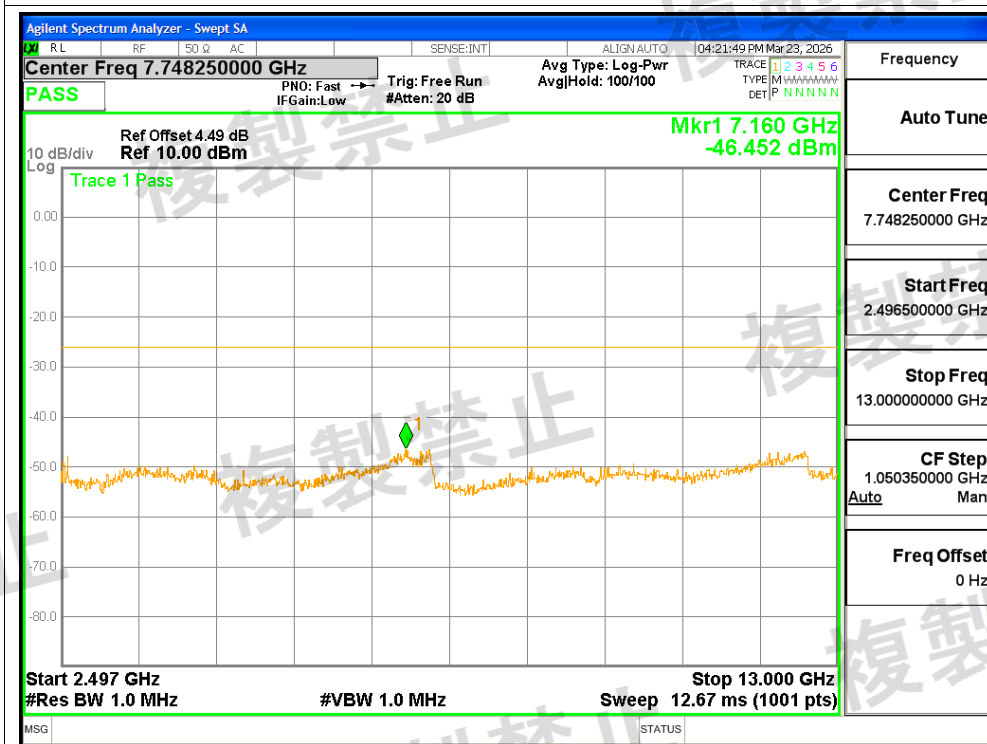
Dongguan: Room 205, Building 5, No.36 Xinzhou Middle Street, Lin Village, Tangxia Town, Dongguan

Shanghai: Room 8410, No.518, Zhuyuan Road, Minhang District, Shanghai

Tx. Spurious NVNT FSK 2480MHz Ant2 @ 2483.5MHz-2496.5MHz



Tx. Spurious NVNT FSK 2480MHz Ant2 @ 2496.5MHz-13000MHz



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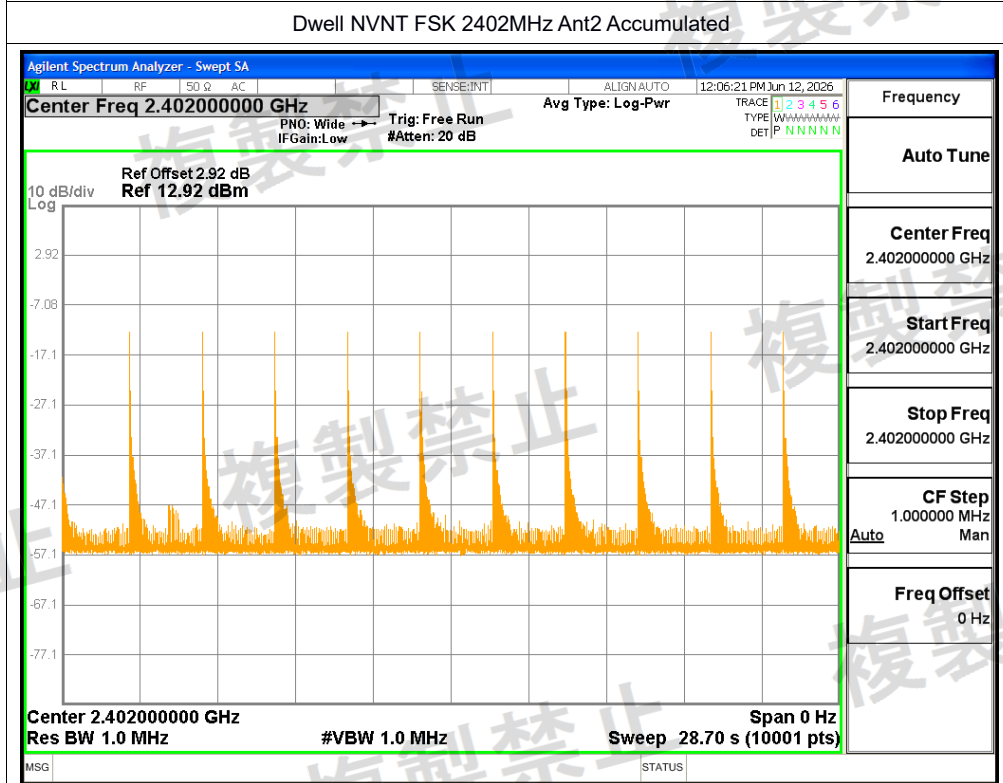
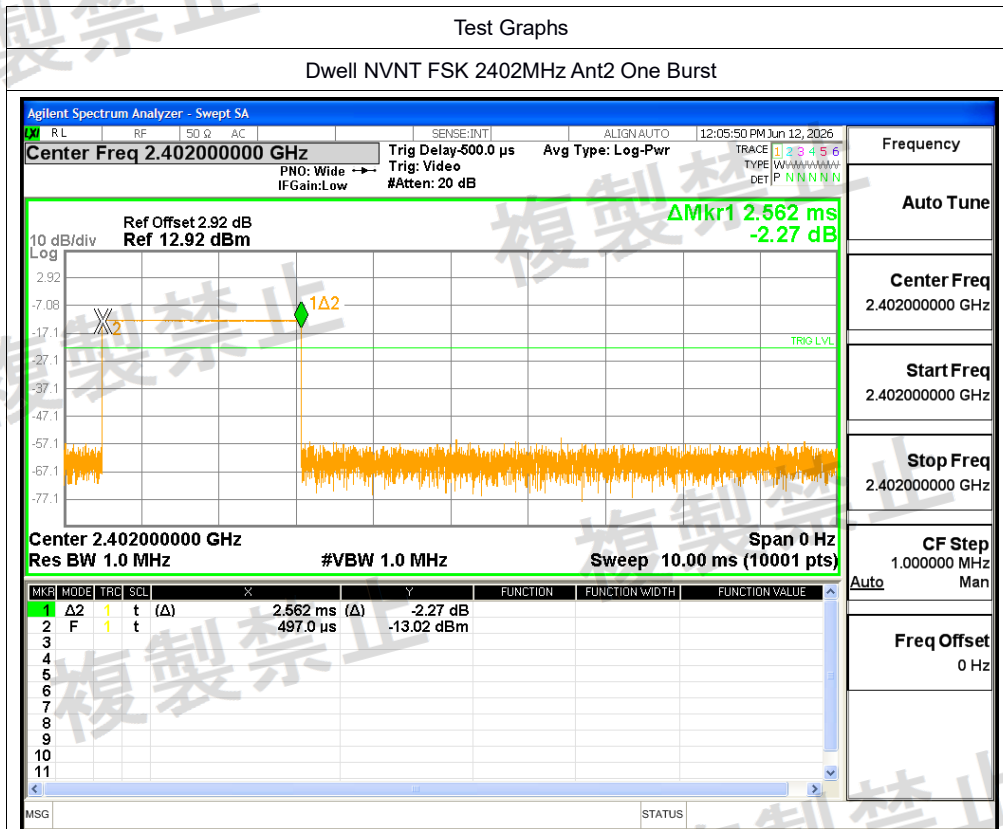
Foshan: Shenghui Building, Ronggui Street, Shunde District, Foshan

Dongguan: Room 205, Building 5, No.36 Xinzhou Middle Street, Lin Village, Tangxia Town, Dongguan

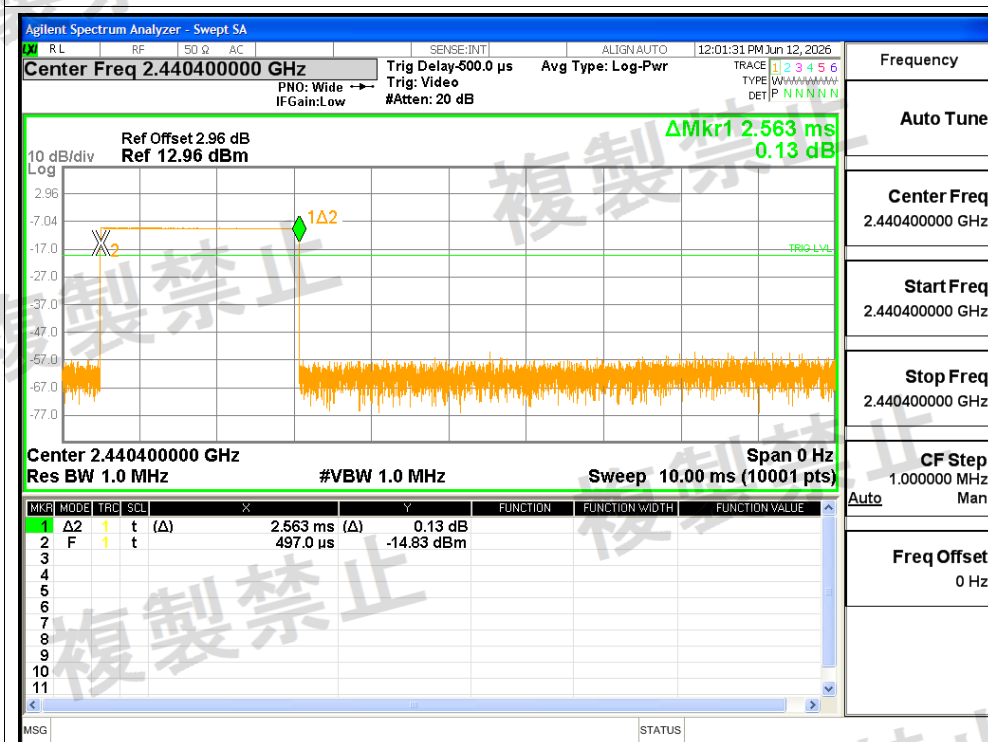
Shanghai: Room 8410, No.518, Zhuyuan Road, Minhang District, Shanghai

Dwell Time

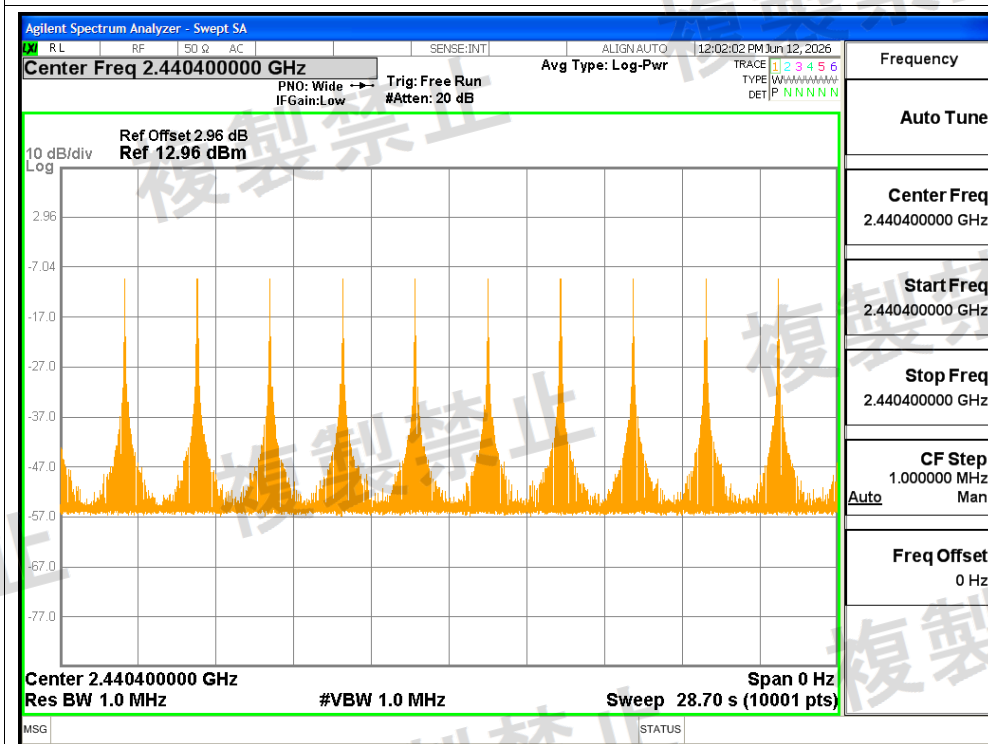
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	k	2402	Ant1	2.562	25.62	10	28699.6	50	Pass
		2440.4		2.563	25.63	10	28699.6	50	Pass
		2481.2		2.562	23.058	9	28699.6	50	Pass



Dwell NVNT FSK 2440.4MHz Ant2 One Burst



Dwell NVNT FSK 2440.4MHz Ant2 Accumulated



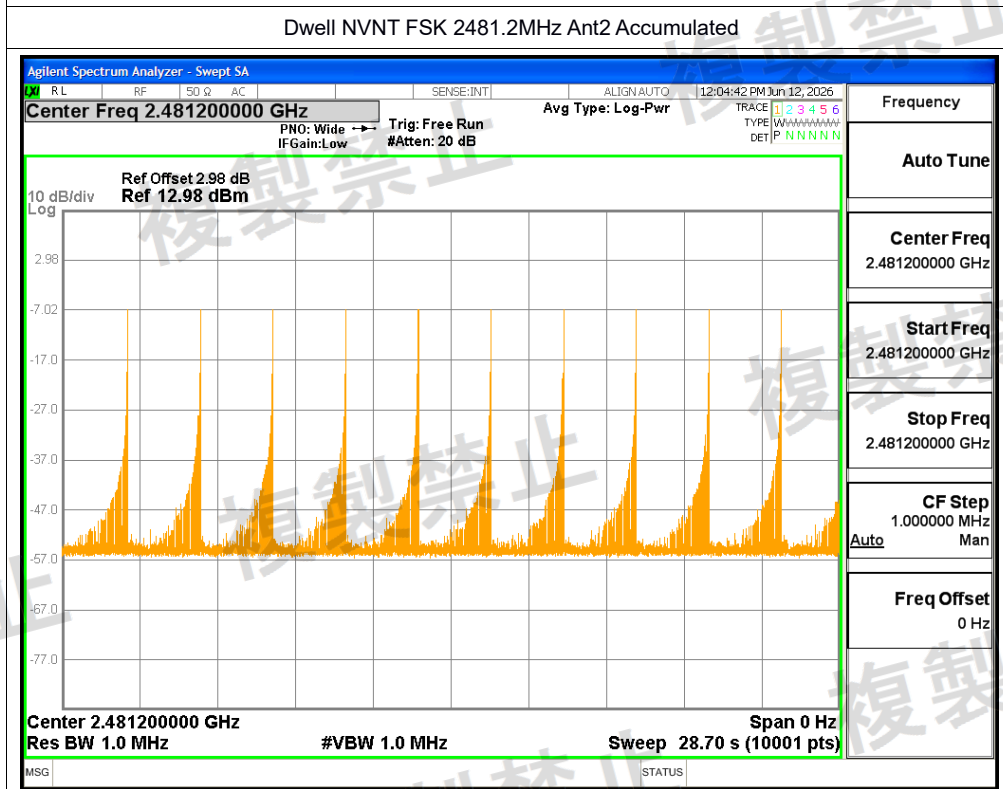
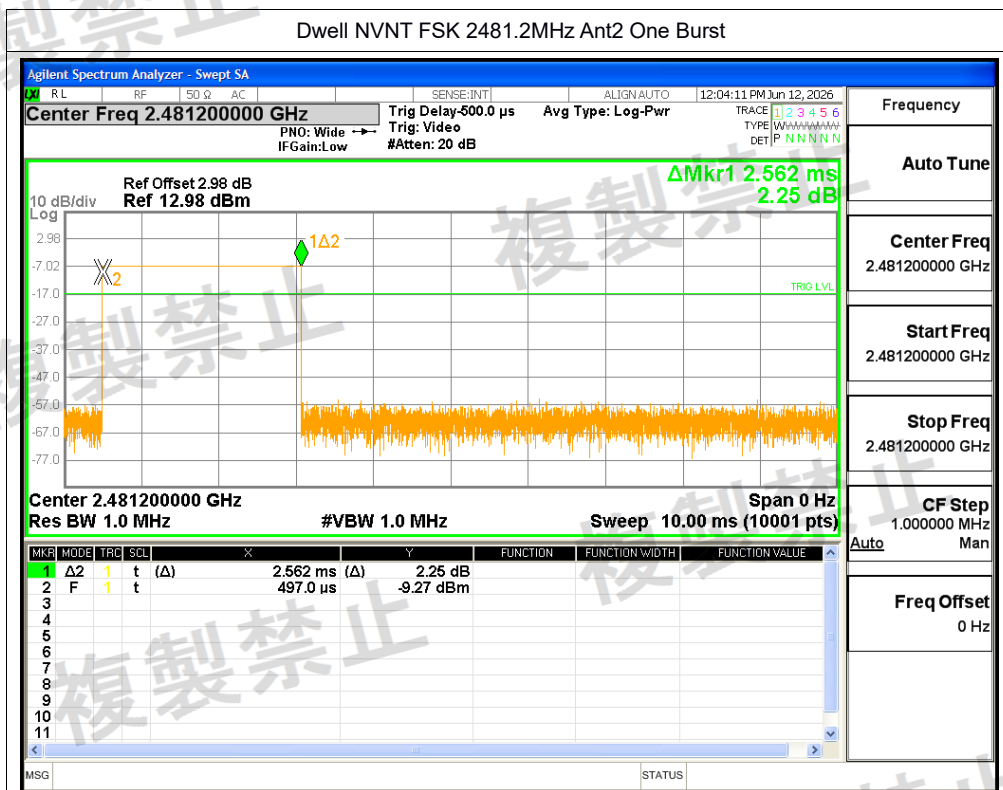
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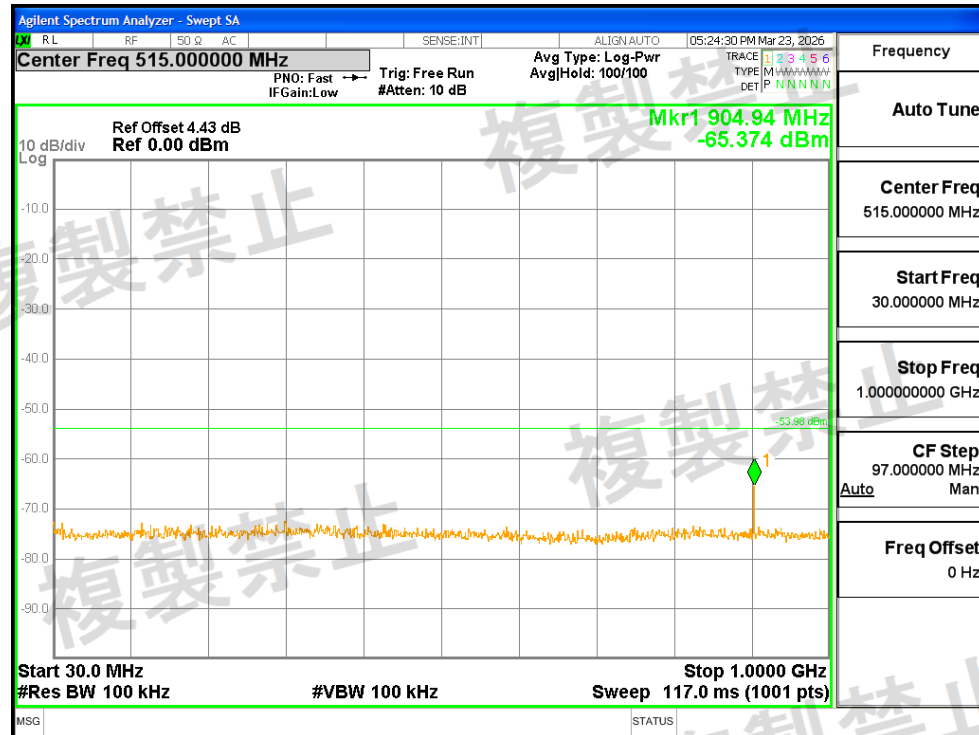


Rx Spurious Emission

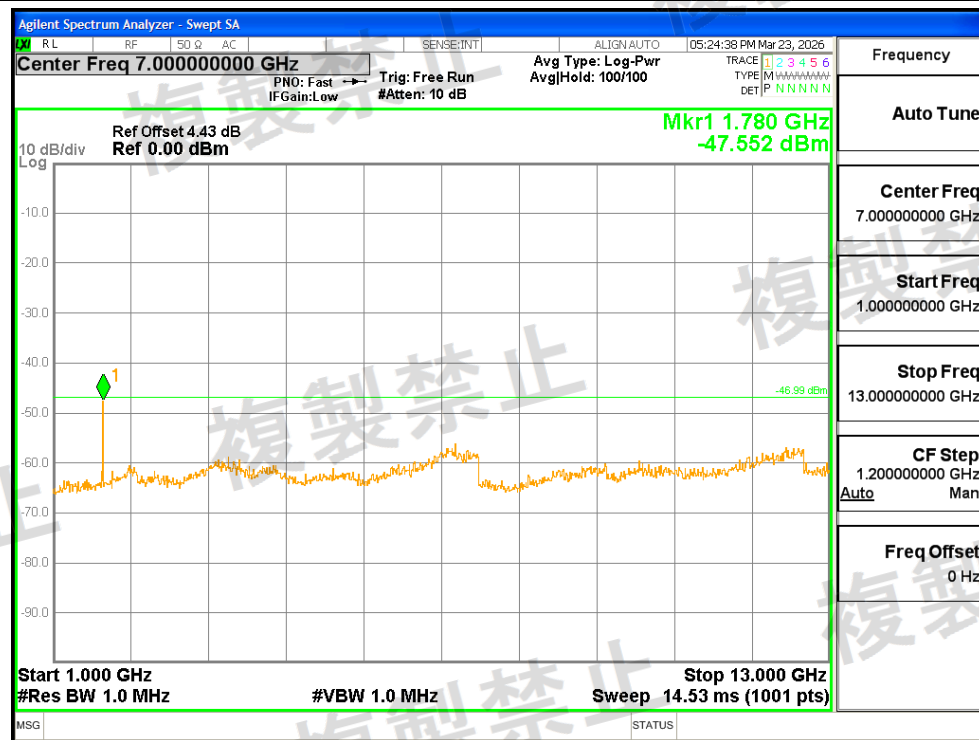
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Emission Frequency (MHz)	Result (dBm)	Result (nW)	Limit (nW)	Verdict
NVNT	FSK	2402	Ant2	30-1000	904.94	-65.37	0.2904	4	Pass
				1000-13000	1780.00	-47.55	17.5792	20	Pass
		2440.4		30-1000	104.69	-72.67	0.0541	4	Pass
				1000-13000	1780.00	-48.67	13.5831	20	Pass
		2480		30-1000	30.00	-71.53	0.0703	4	Pass
				1000-13000	1780.00	-61.77	0.6653	20	Pass

Test Graphs

Rx. Spurious NVNT FSK 2402MHz Ant2 @ 30MHz-1000MHz



Rx. Spurious NVNT FSK 2402MHz Ant2 @ 1000MHz-13000MHz



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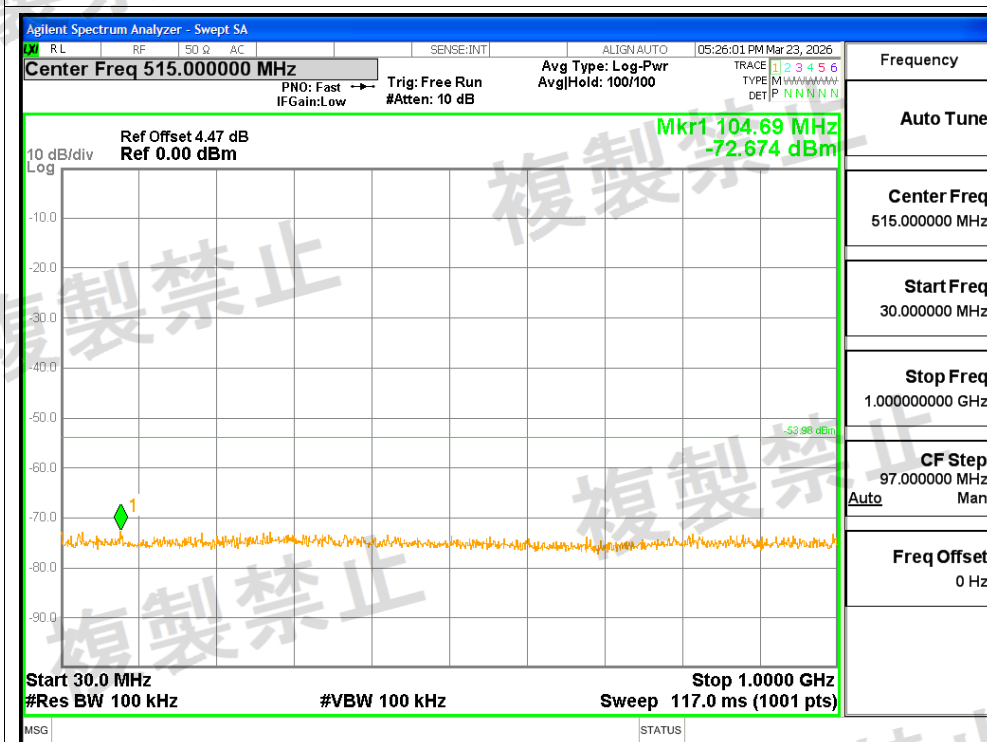
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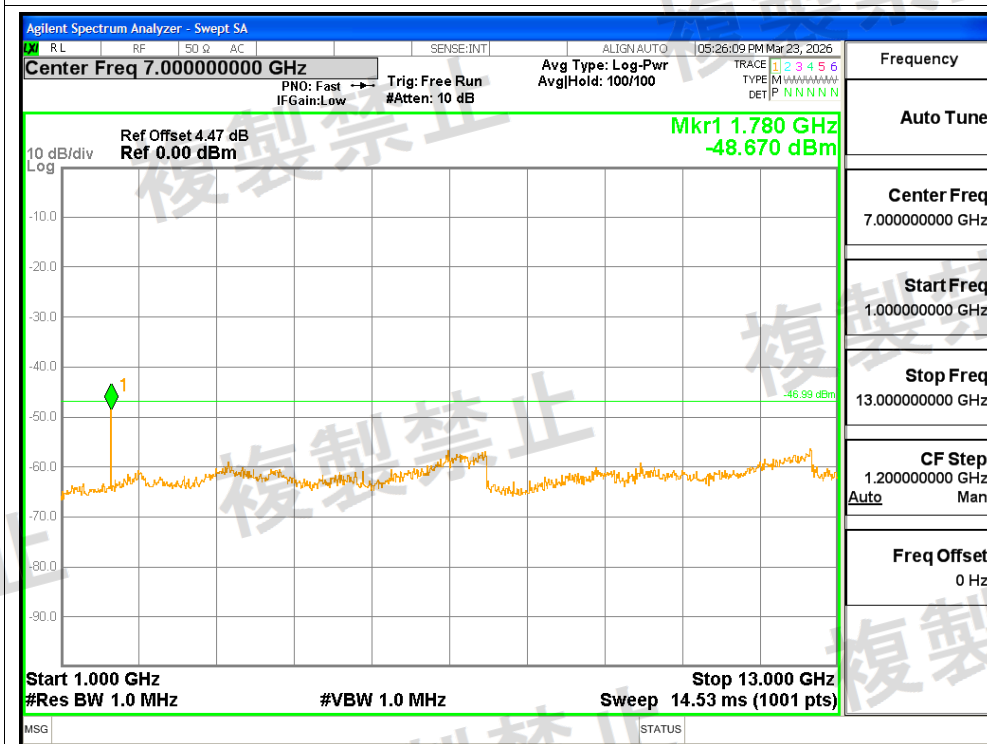
Dongguan: Room 205, Building 5, No.36 Xinzhou Middle Street, Lin Village, Tangxia Town, Dongguan

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Rx. Spurious NVNT FSK 2440.4MHz Ant2 @ 30MHz-1000MHz



Rx. Spurious NVNT FSK 2440.4MHz Ant2 @ 1000MHz-13000MHz



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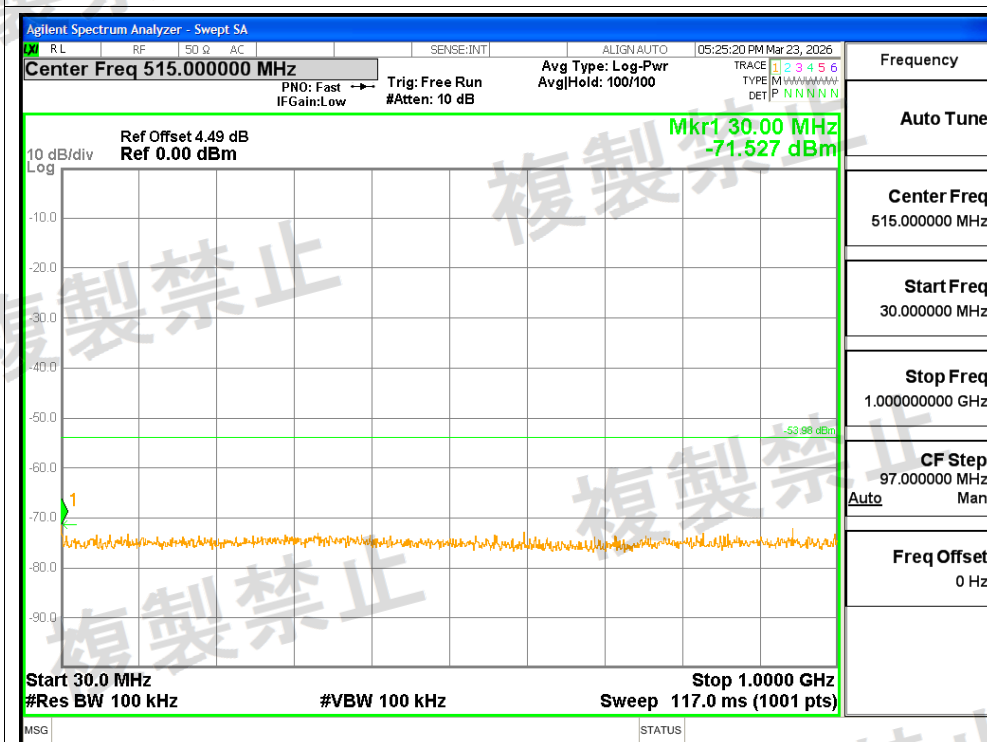
HQ: Room 413-415 Building B, Jinchi Business, Zone 49, Xin'an Street. Bao'an District, Shenzhen, China

Foshan: Shenghui Building, Ronggui Street, Shunde District, Foshan

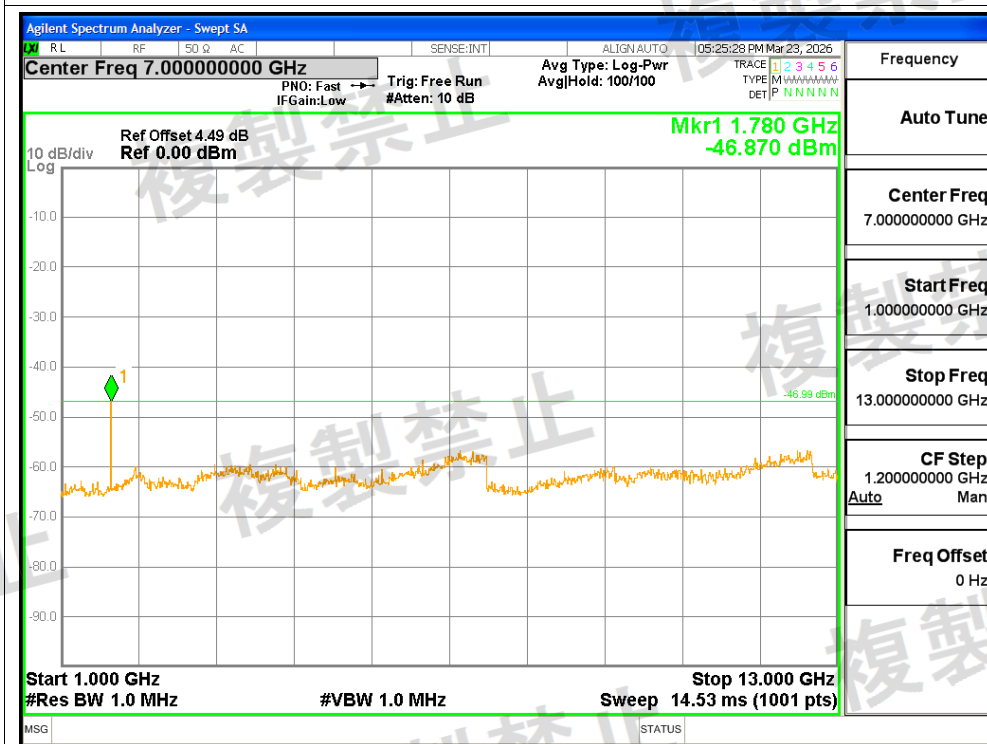
Dongguan: Room 205, Building 5, No.36 Xinzhou Middle Street, Lin Village, Tangxia Town, Dongguan

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Rx. Spurious NVNT FSK 2480MHz Ant2 @ 30MHz-1000MHz



Rx. Spurious NVNT FSK 2480MHz Ant2 @ 1000MHz-13000MHz



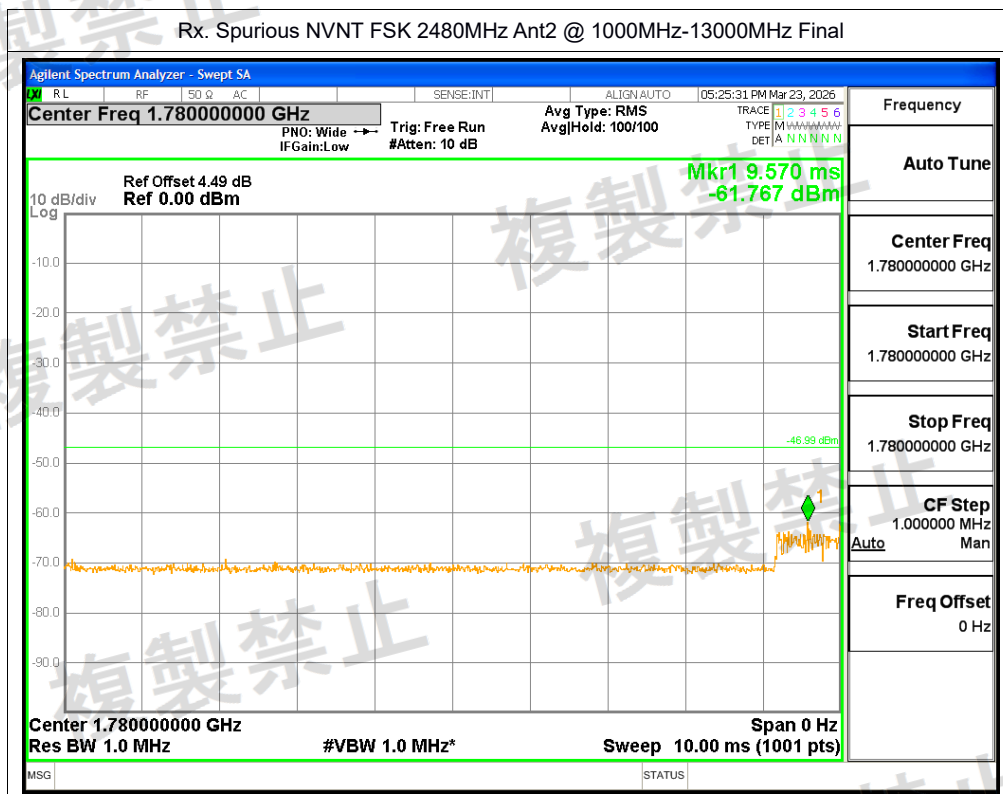
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