

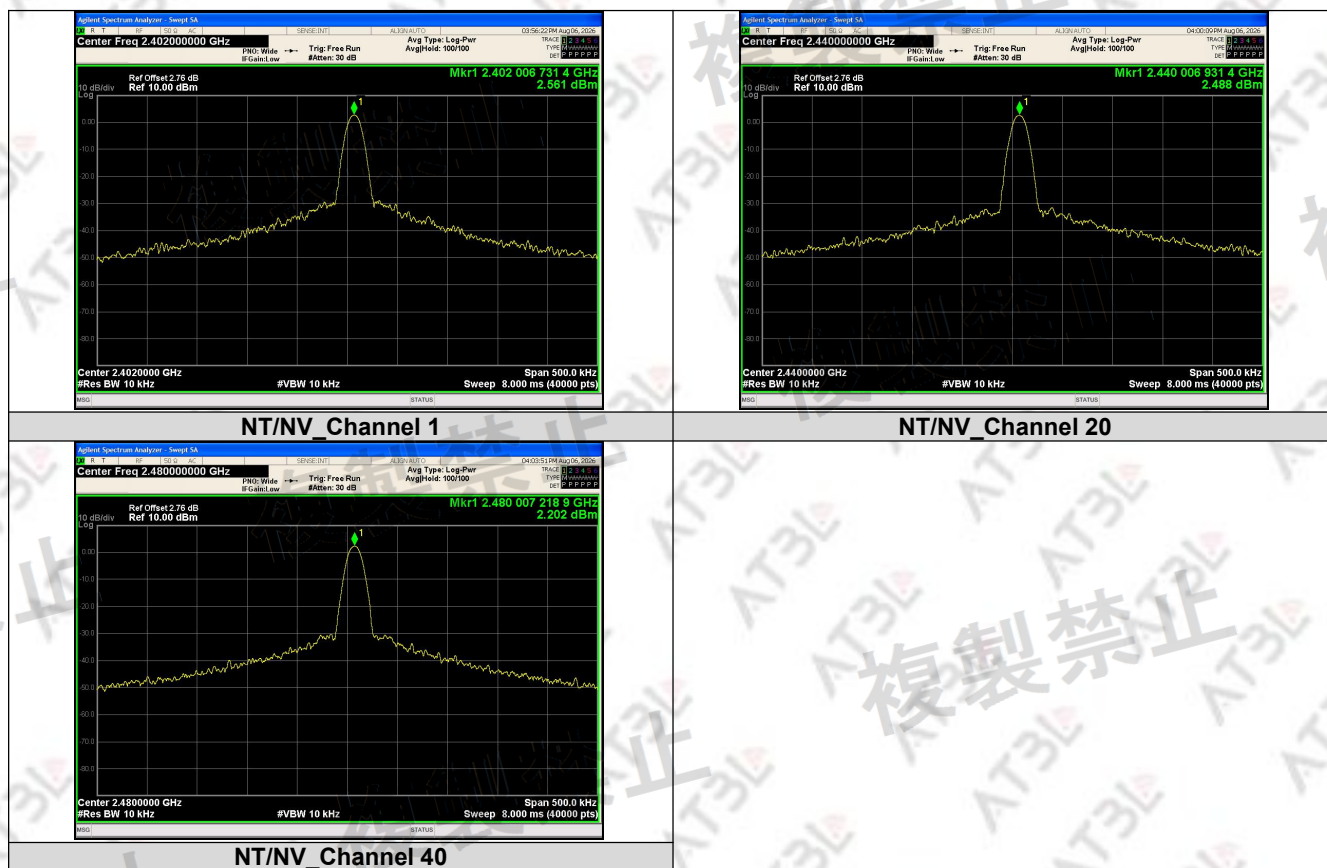
Appendix A for test data 2.4G:

1.Frequency tolerance

Test Result

Condition	Mode	Ch.	Center Frequency (MHz)	Measured Value (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
NT/NV	GFSK	1	2402	2402.0067314	2.80	± 50	PASS
		20	2440	2440.0069314	2.84		PASS
		40	2480	2480.0072189	2.91		PASS

Test Graphs

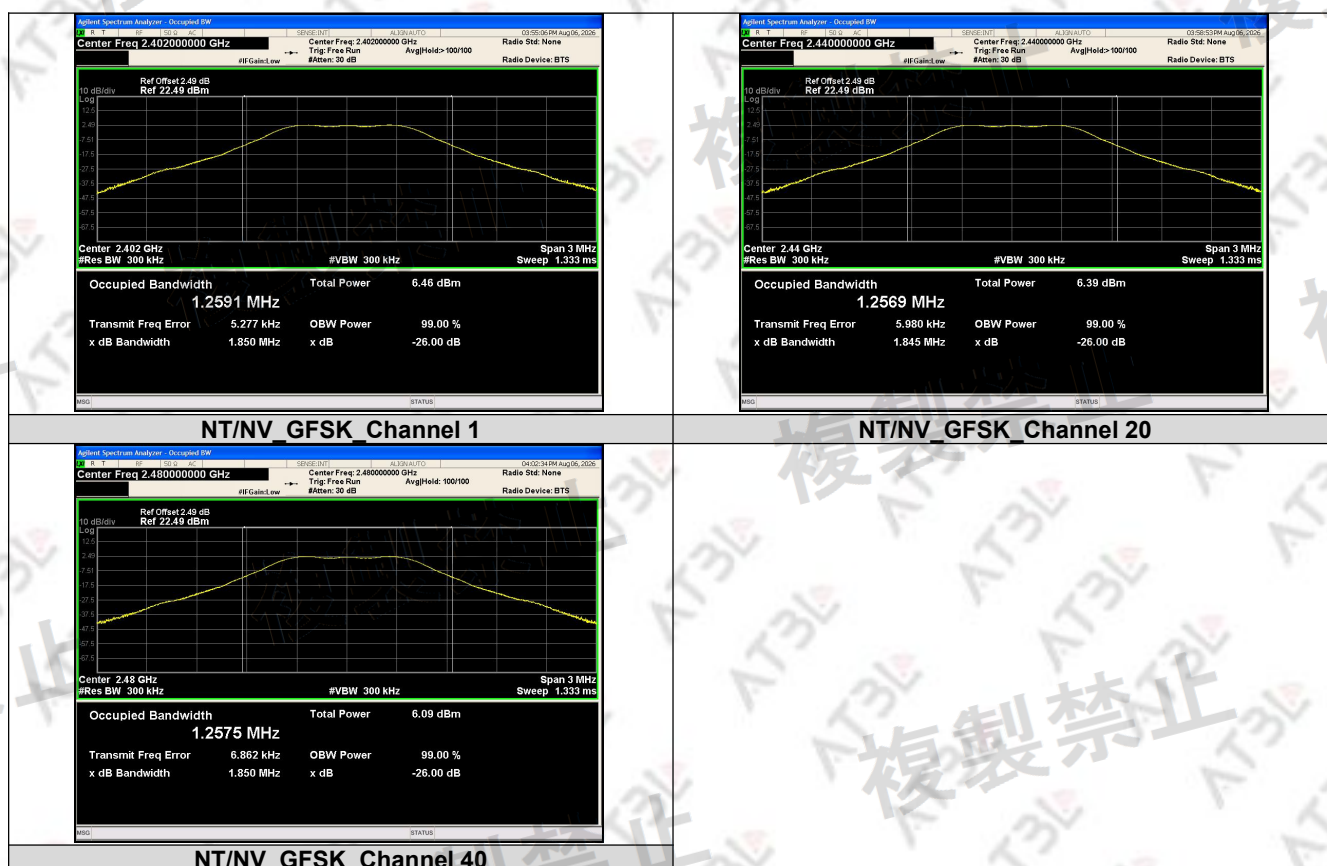


2.Occupied bandwidth

Test Result

Condition	Mode	Channel	Frequency (MHz)	99% BW (MHz)	Limit (MHz)	Verdict
NT/NV	GFSK	1	2402	1.26	<26	PASS
		20	2440	1.26		PASS
		40	2480	1.26		PASS

Test Graphs



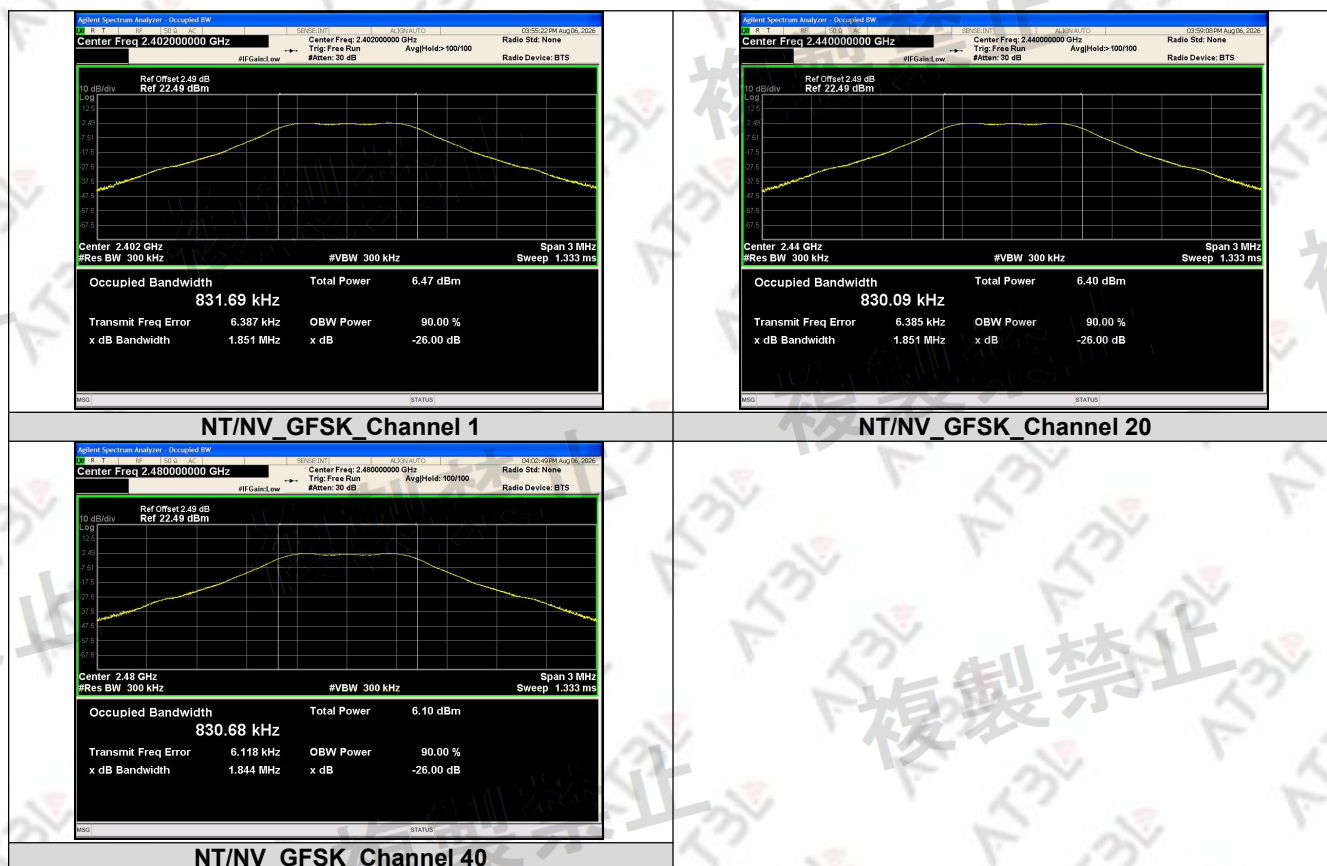
3.Spending Bandwidth

Test Result

Condition	Mode	Channel	Frequency (MHz)	90% SBW (MHz)	Spreading factor	Verdict
NT/NV	GFSK	1	2402	0.83169	13.307	PASS
		20	2440	0.83009	13.282	PASS
		40	2480	0.83068	13.291	PASS

Note: Spreading Factor = 90% Bandwidth / 0.0625.

Test Graphs



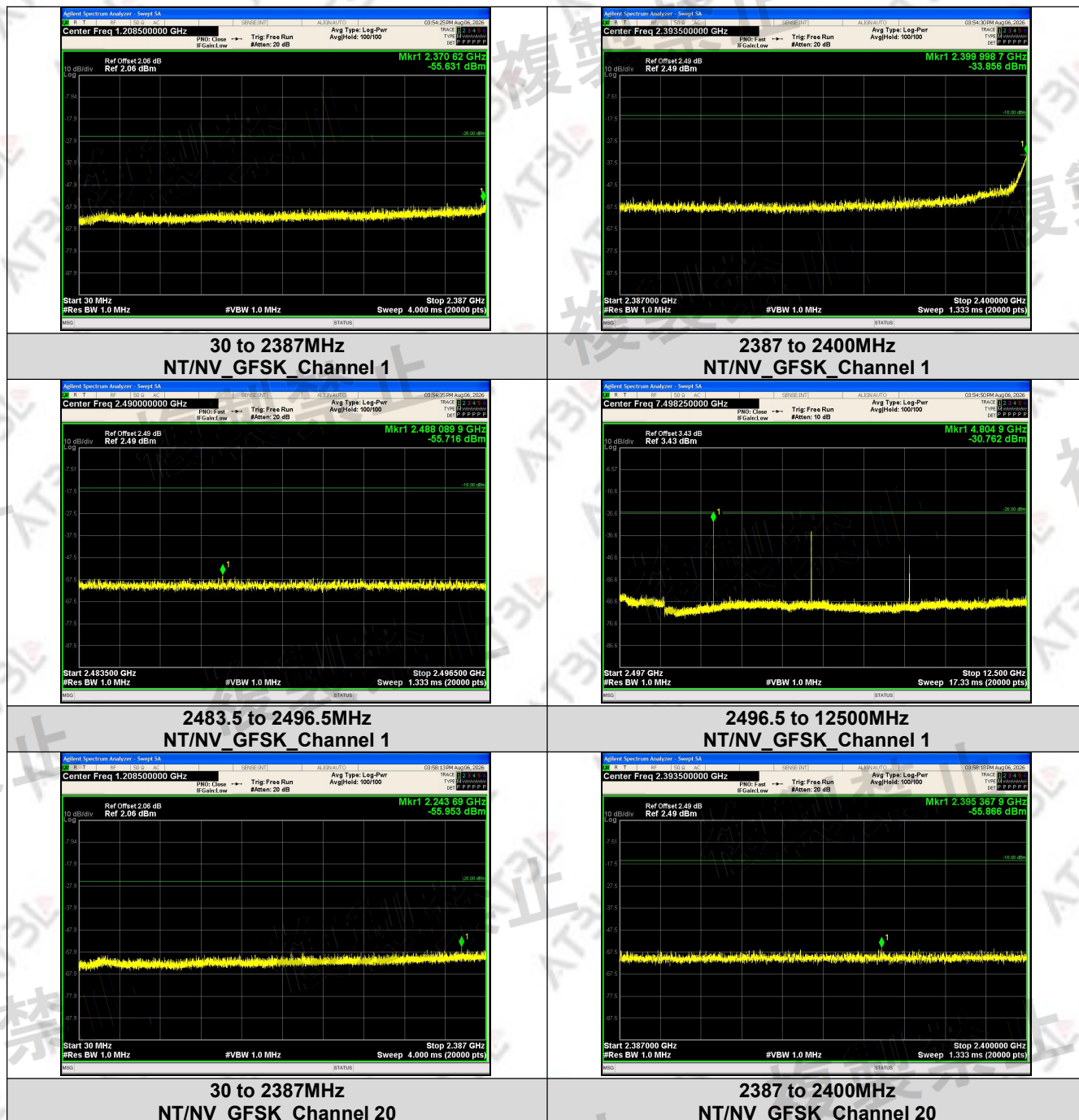
4.Spurious emissions for Transmitter

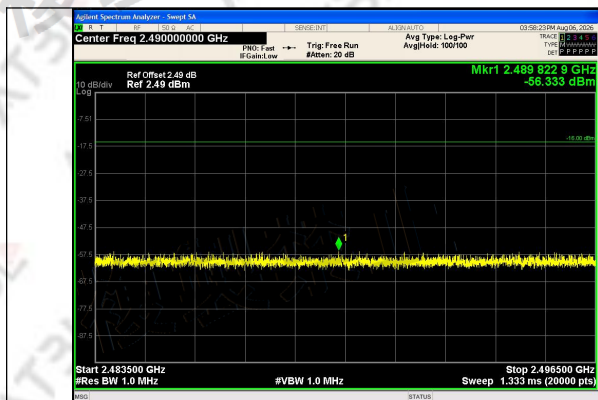
Test Result

GFSK:

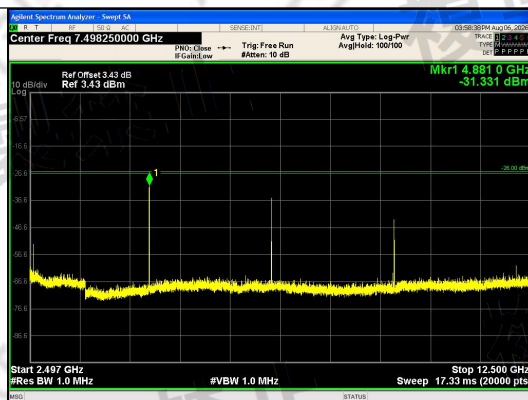
Condition	Channel	Frequency Range (MHz)	Peak (MHz)	Measured Value		Limit (uW/MHz)	Verdict
				dBm	uW		
NT/NV	1	30 to 2387	2370.618	-55.631	0.003	≤2.5	PASS
		2387 to 2400	2399.999	-33.856	0.412	≤25	PASS
		2483.5 to 2496.5	2488.090	-55.716	0.003	≤25	PASS
		2496.5 to 12500	4804.923	-30.762	0.839	≤2.5	PASS
	20	30 to 2387	2243.687	-55.953	0.003	≤2.5	PASS
		2387 to 2400	2395.368	-55.866	0.003	≤25	PASS
		2483.5 to 2496.5	2489.823	-56.333	0.002	≤25	PASS
		2496.5 to 12500	4880.953	-31.331	0.736	≤2.5	PASS
	40	30 to 2387	2273.858	-56.605	0.002	≤2.5	PASS
		2387 to 2400	2396.368	-56.181	0.002	≤25	PASS
		2483.5 to 2496.5	2483.528	-51.423	0.007	≤25	PASS
		2496.5 to 12500	4960.985	-32.616	0.548	≤2.5	PASS

Test Graphs

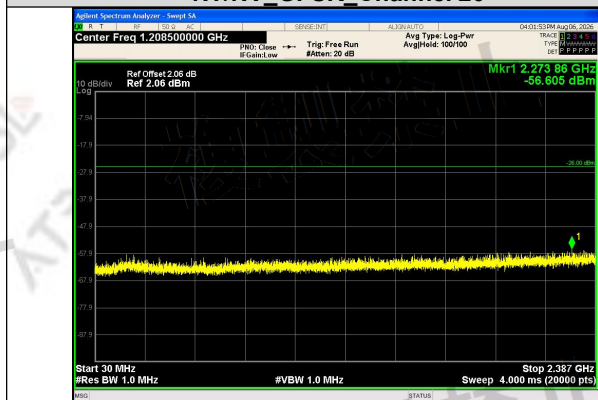




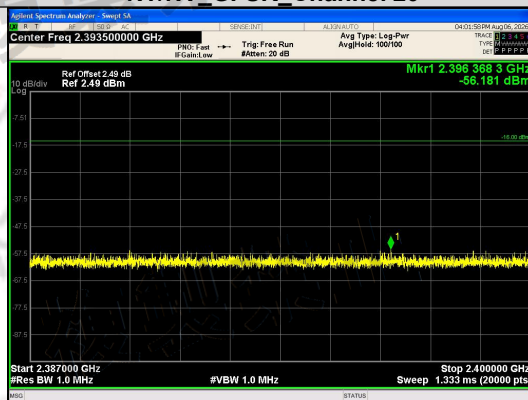
2483.5 to 2496.5MHz
NT/NV_GFSK_Channel 20



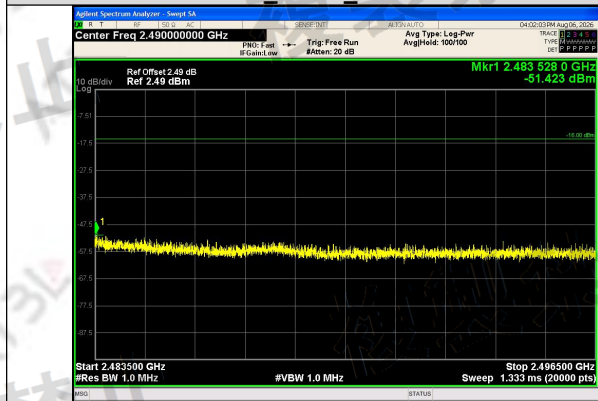
2496.5 to 12500MHz
NT/NV_GFSK_Channel 20



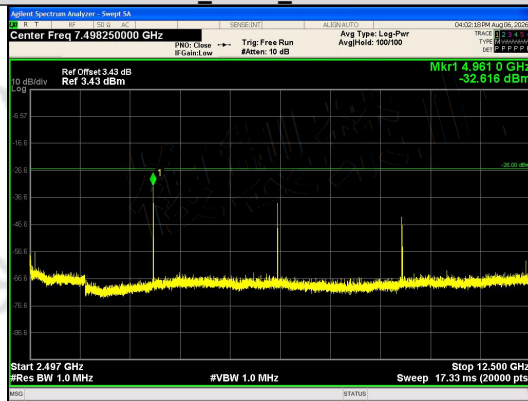
30 to 2387MHz
NT/NV_GFSK_Channel 40



2387 to 2400MHz
NT/NV_GFSK_Channel 40



2483.5 to 2496.5MHz
NT/NV_GFSK_Channel 40



2496.5 to 12500MHz
NT/NV_GFSK_Channel 40

5. Antenna Power

Test Result

Left ear:

Condition	Modulation	Frequency (MHz)	Antenna power (dBm)	Antenna power density (mW/MHz)	Limit (mW/MHz)	Verdict
NT/NV	GFSK	2402	1.61	1.448	10	PASS
	GFSK	2440	1.44	1.394	10	PASS
	GFSK	2480	1.09	1.286	10	PASS

Condition	Modulation	Frequency (MHz)	Tolerance (%)	Tolerance Limit (%)	Rated power (mW)	Verdict
NT/NV	GFSK	2402	-3.47%	+20	1.5	PASS
	GFSK	2440	-7.07%	+20	1.5	PASS
	GFSK	2480	-14.27%	+20	1.5	PASS

Condition	Mode	Frequency (MHz)	EIRP(dBm)	Gain(dBi)	Limit (dBm)	Verdict
NT/NV	GFSK	2402	3.47	1.86	12.14	PASS
		2440	3.30	1.86	12.14	PASS
		2480	2.95	1.86	12.14	PASS

Right ear

Condition	Modulation	Frequency (MHz)	Antenna power (dBm)	Antenna power density (mW/MHz)	Limit (mW/MHz)	Verdict
NT/NV	GFSK	2402	1.59	1.442	10	PASS
	GFSK	2440	1.42	1.387	10	PASS
	GFSK	2480	1.03	1.268	10	PASS

Condition	Modulation	Frequency (MHz)	Tolerance (%)	Tolerance Limit (%)	Rated power (mW)	Verdict
NT/NV	GFSK	2402	5.73%	+20	1.5	PASS
	GFSK	2440	-5.27%	+20	1.5	PASS
	GFSK	2480	-31.53%	+20	1.5	PASS

Condition	Mode	Frequency (MHz)	EIRP(dBm)	Gain(dBi)	Limit (dBm)	Verdict
NT/NV	GFSK	2402	3.45	1.86	12.14	PASS
		2440	3.28	1.86	12.14	PASS
		2480	2.89	1.86	12.14	PASS

Note:

1. The value of EIRP densities are "calculated" values.
 2. Formula: EIRP output power = Conducted RF output power + Antenna Gain.
 3. Perform tests on both the left and right ears for antenna power-related items.
- Based on power levels, for all other test items, only the (left ears) operating at maximum power shall be selected for testing.

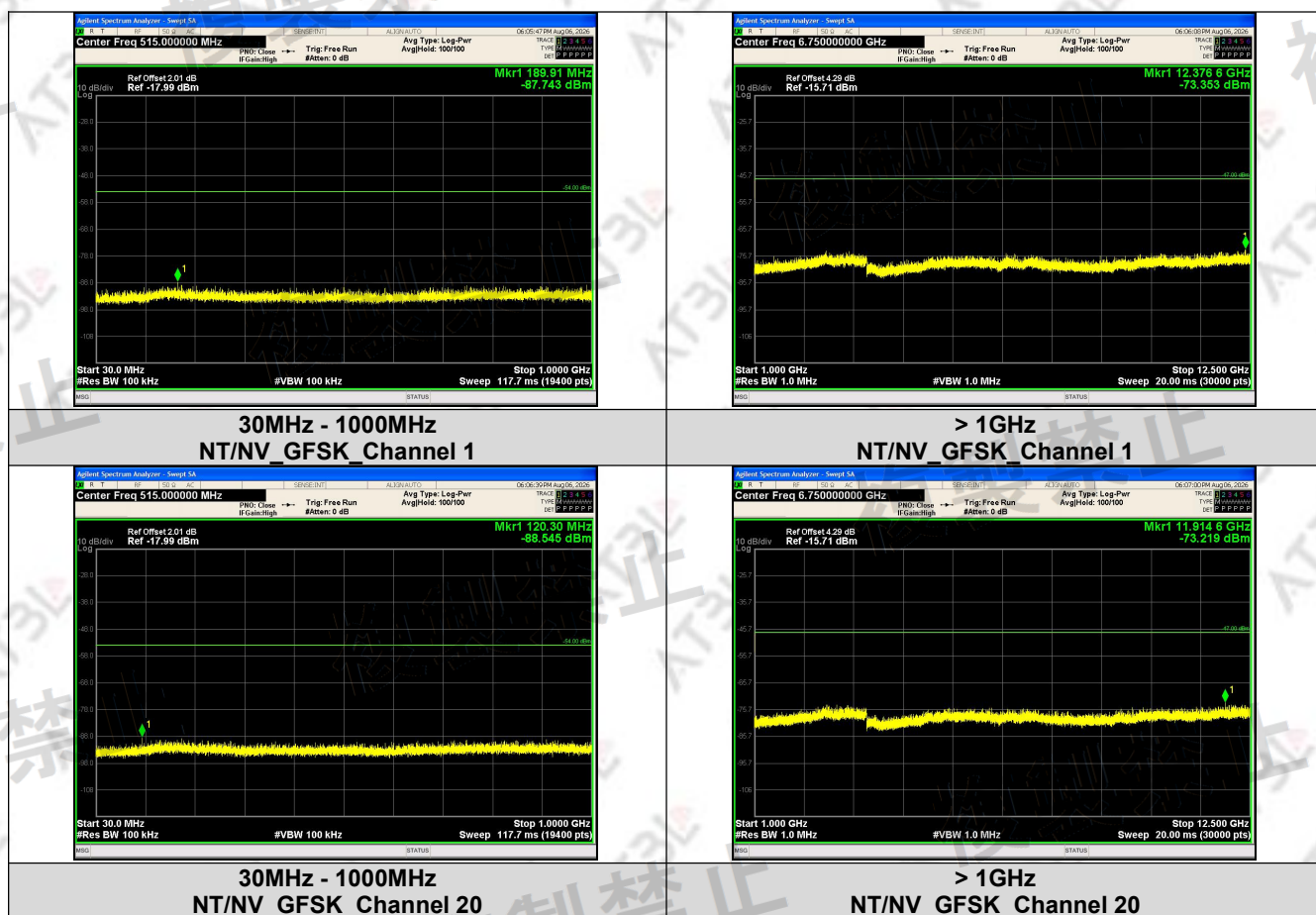
6.Spurious Emissions for Receiver

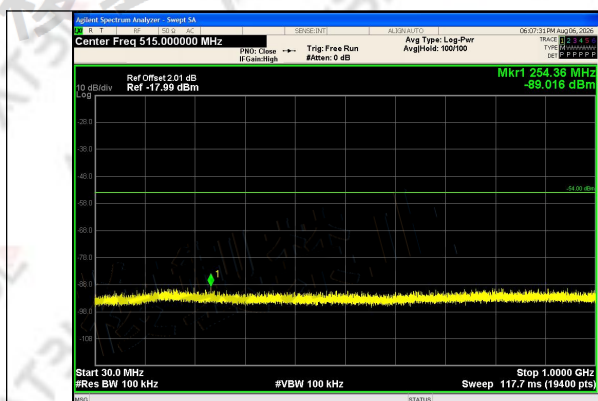
Test Result

GFSK

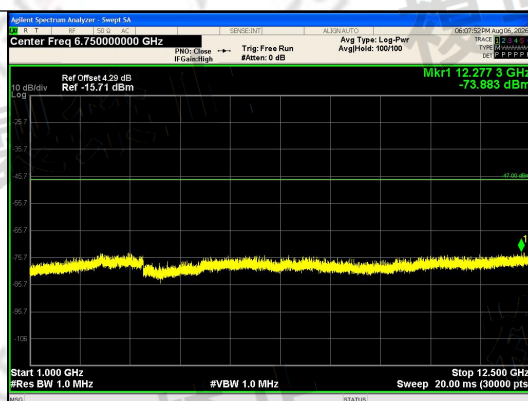
Condition	Channel	Frequency Range (MHz)	Peak (MHz)	Measured Value (dBm)	Limit		Verdict
					dBm	nW	
NT/NV	1	30 to 1000	189.908	-87.743	-54	≤4	PASS
		1000 to 12500	12376.563	-73.353	-47	≤20	PASS
	20	30 to 1000	120.305	-88.544	-54	≤4	PASS
		1000 to 12500	11914.630	-73.219	-47	≤20	PASS
	40	30 to 1000	254.362	-89.016	-54	≤4	PASS
		1000 to 12500	12277.276	-73.883	-47	≤20	PASS

Test Graphs





30MHz - 1000MHz
NT/NV_GFSK_Channel 40



> 1GHz
NT/NV_GFSK_Channel 40