

RF Test Data for 2.4G (Conducted Measurements)

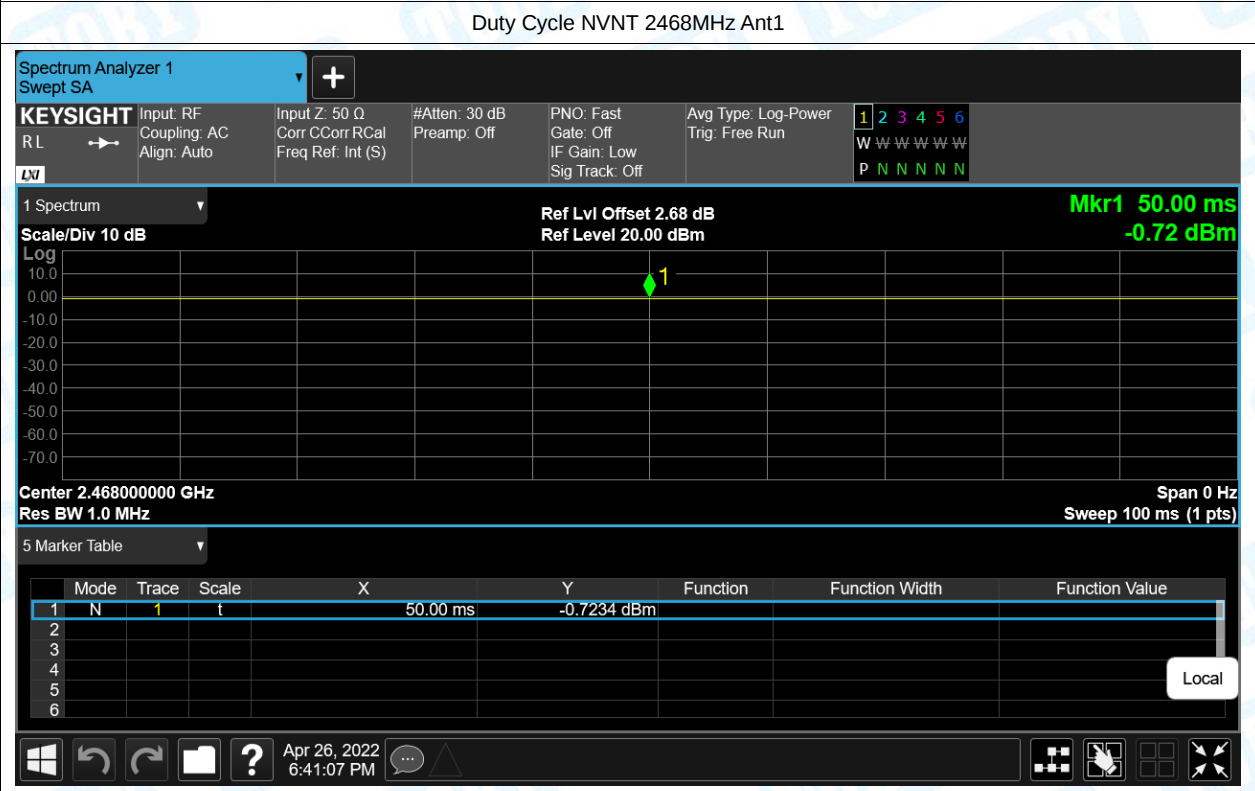
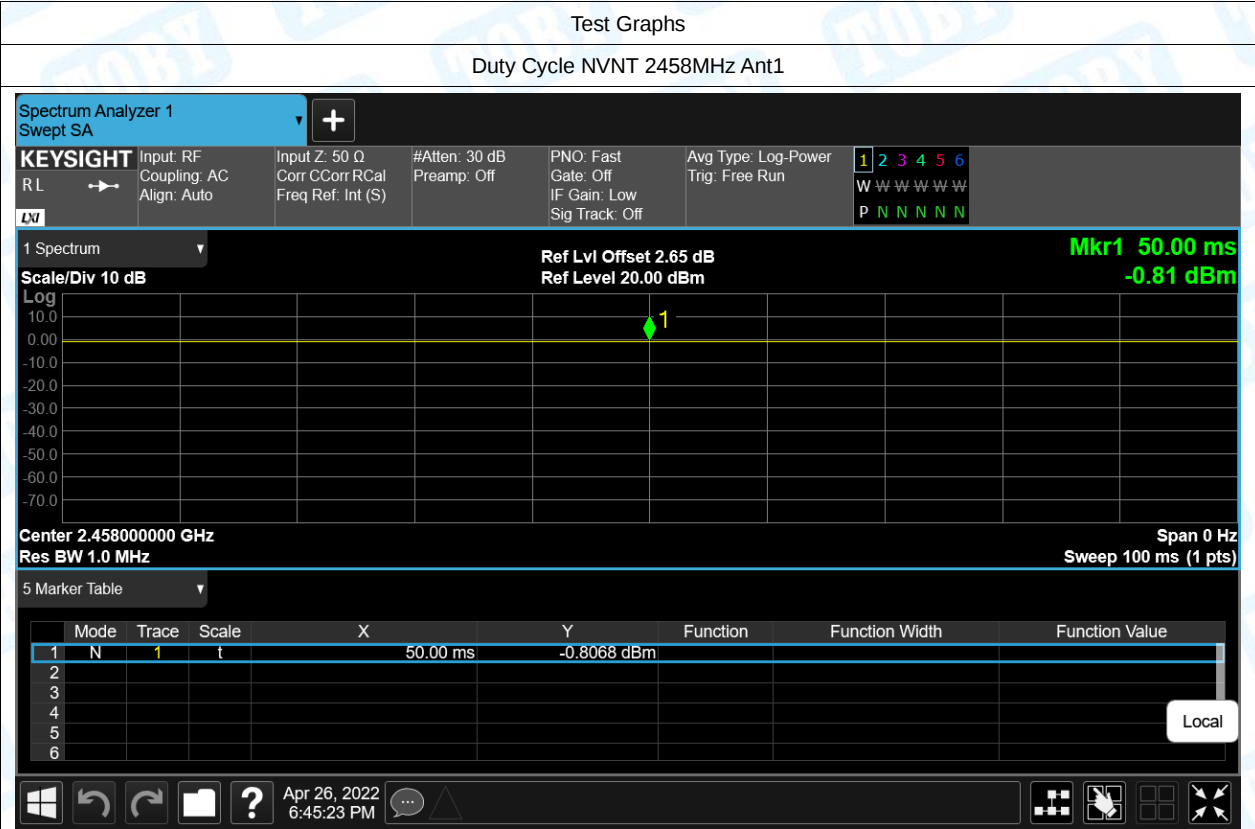
General Description of EUT	
Product Name:	2.4GRemote control helicopter
Test Model:	6182-2BGCX
Sample ID:	202204-0219_01-02#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 4.5V
Test Engineer:	Huangjianping
Note: For a more detailed features description, please refer to the report TBR-C-202204-0219-2	

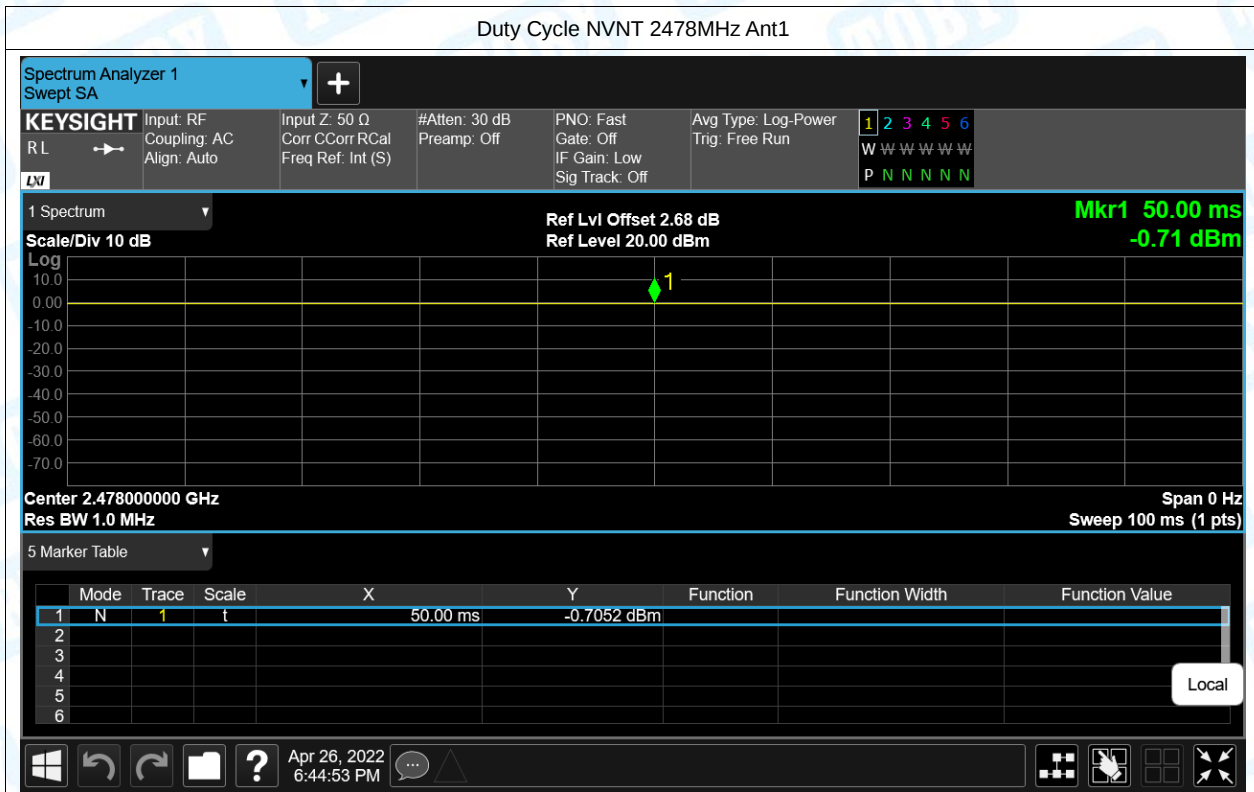
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1.Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	GFSK	2458	Ant1	100	0	0
NVNT	GFSK	2468	Ant1	100	0	0
NVNT	GFSK	2478	Ant1	100	0	0



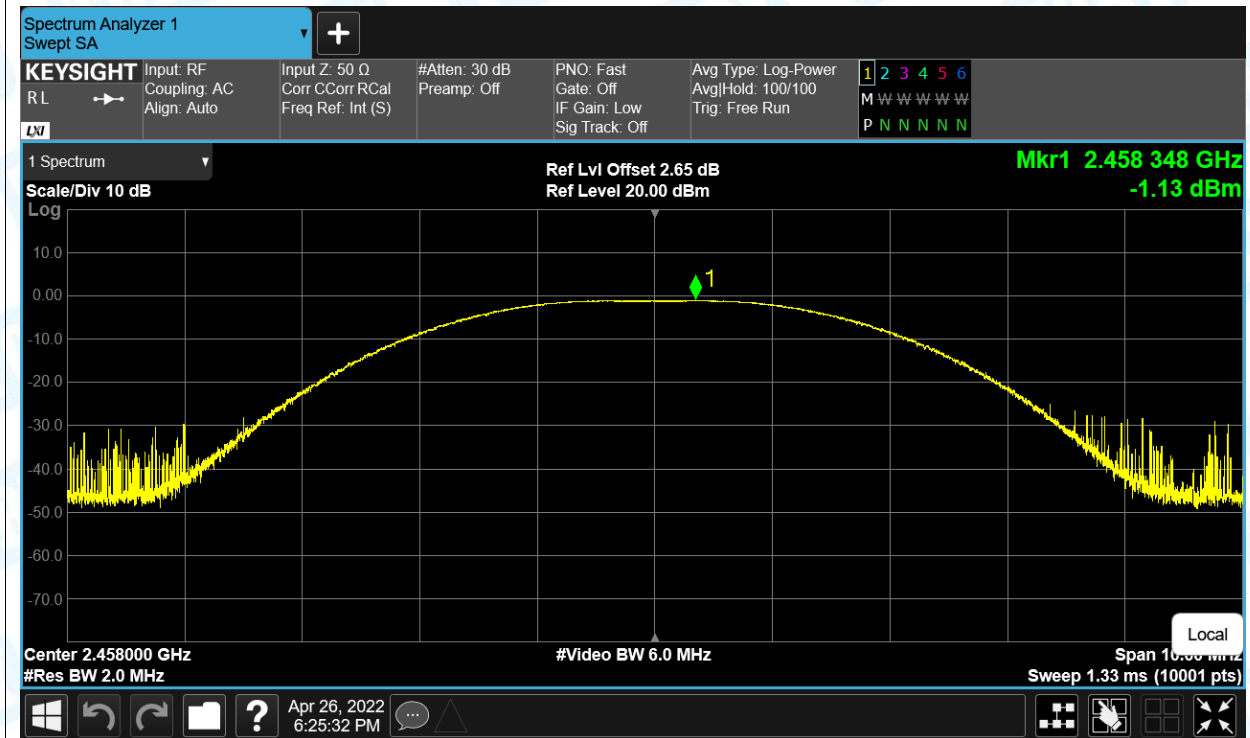


2.Maximum Conducted Output Power

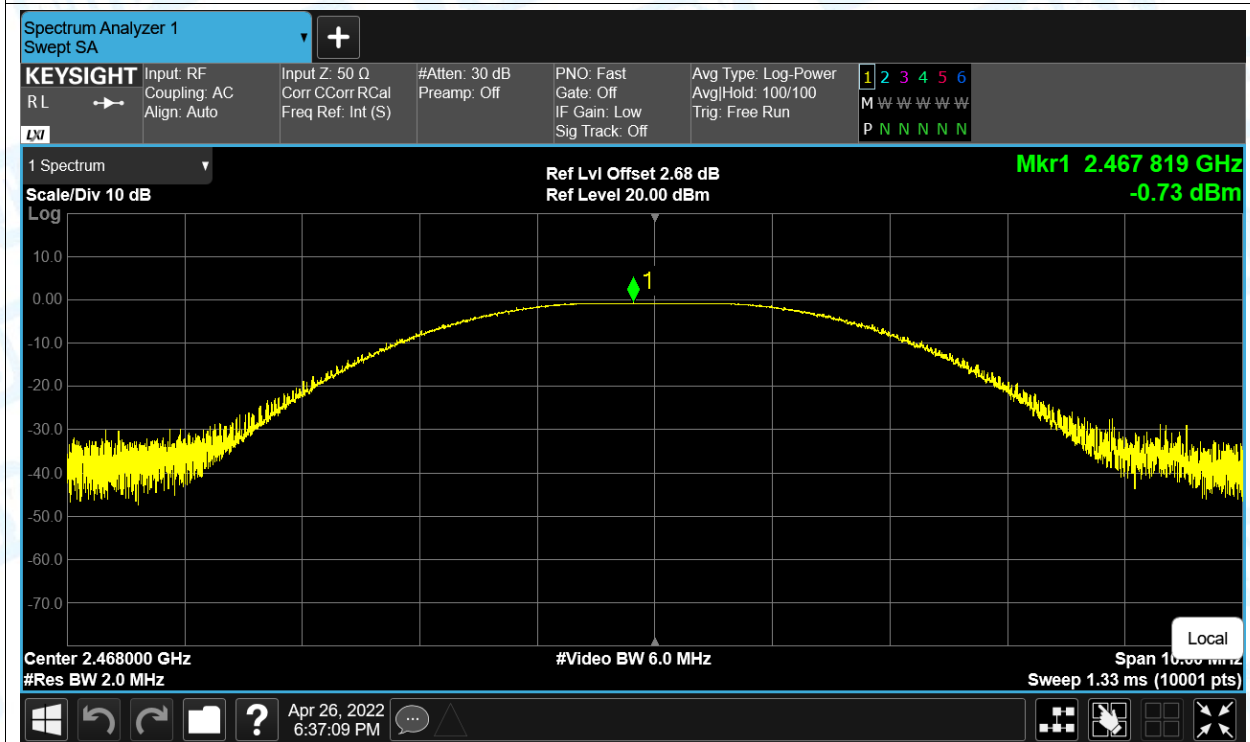
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	GFSK	2458	Ant1	-1.126	30	Pass
NVNT	GFSK	2468	Ant1	-0.731	30	Pass
NVNT	GFSK	2478	Ant1	-0.686	30	Pass

Test Graphs

Power NVNT 2458MHz Ant1



Power NVNT 2468MHz Ant1



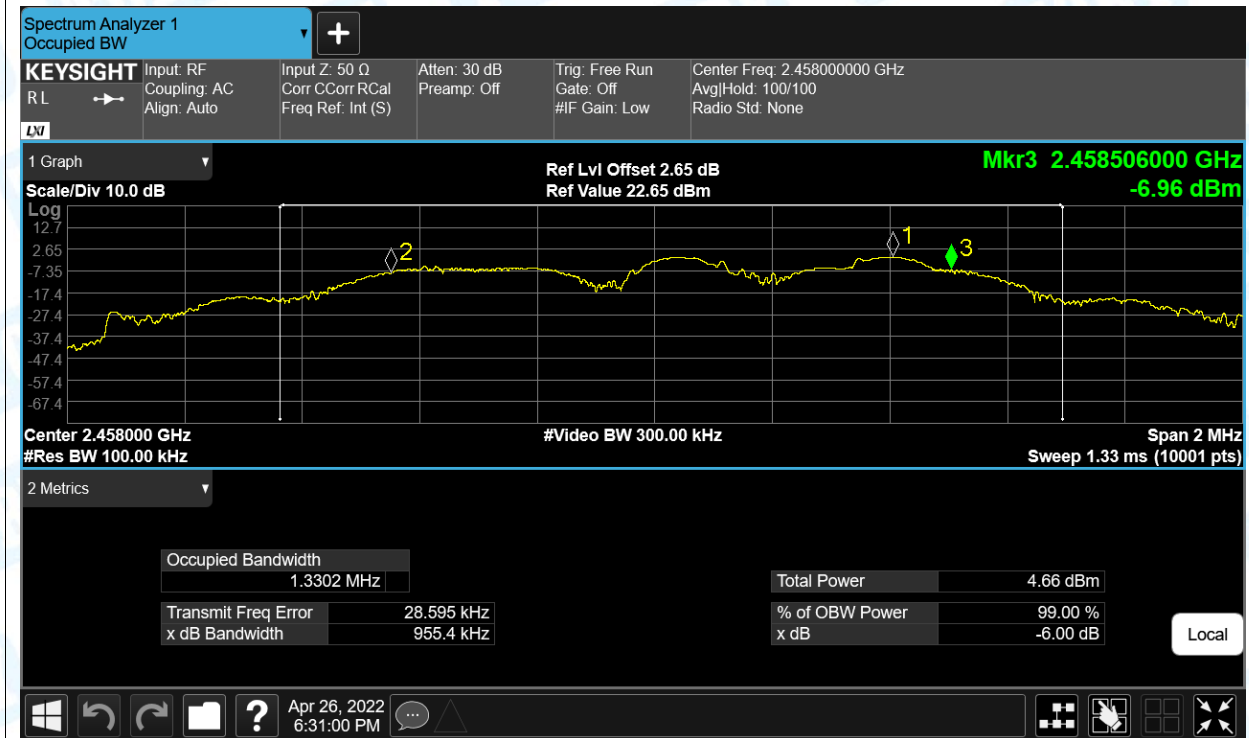


3.-6dB Bandwidth

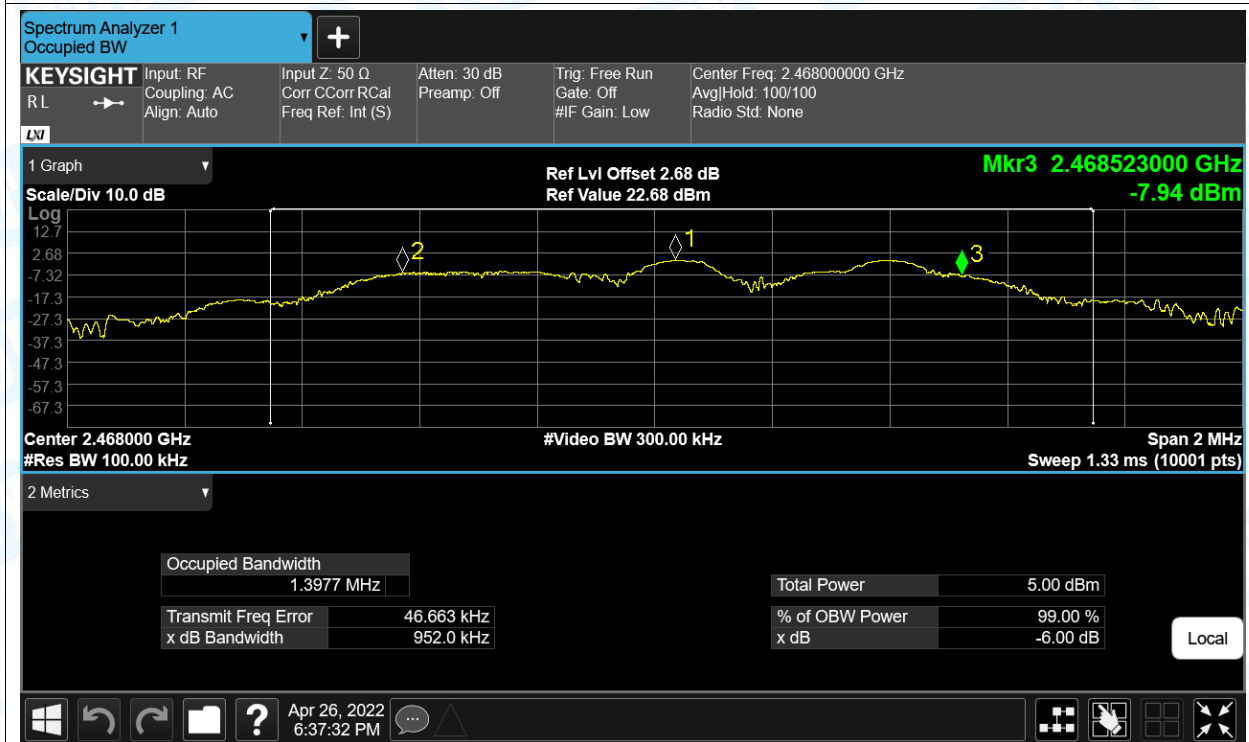
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	GFSK	2458	Ant1	0.96	0.5	Pass
NVNT	GFSK	2468	Ant1	0.95	0.5	Pass
NVNT	GFSK	2478	Ant1	0.96	0.5	Pass

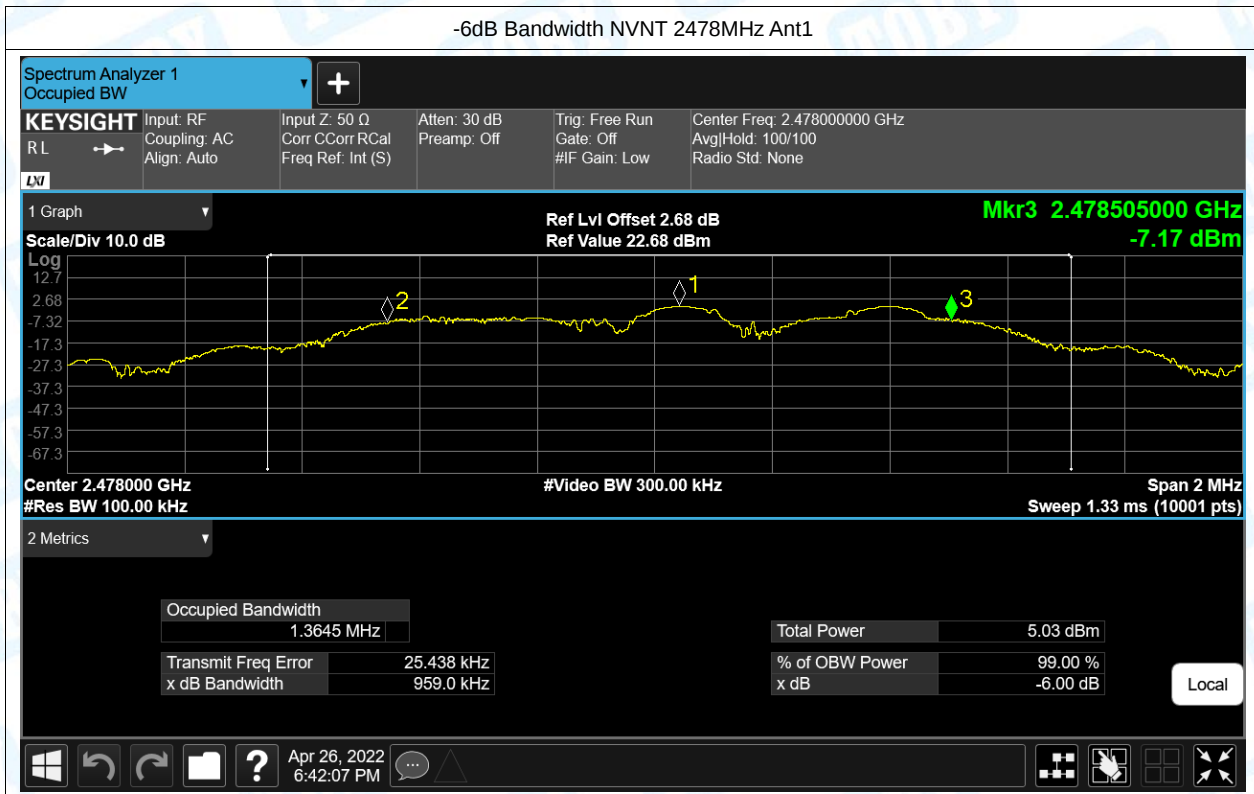
Test Graphs

-6dB Bandwidth NVNT 2458MHz Ant1



-6dB Bandwidth NVNT 2468MHz Ant1

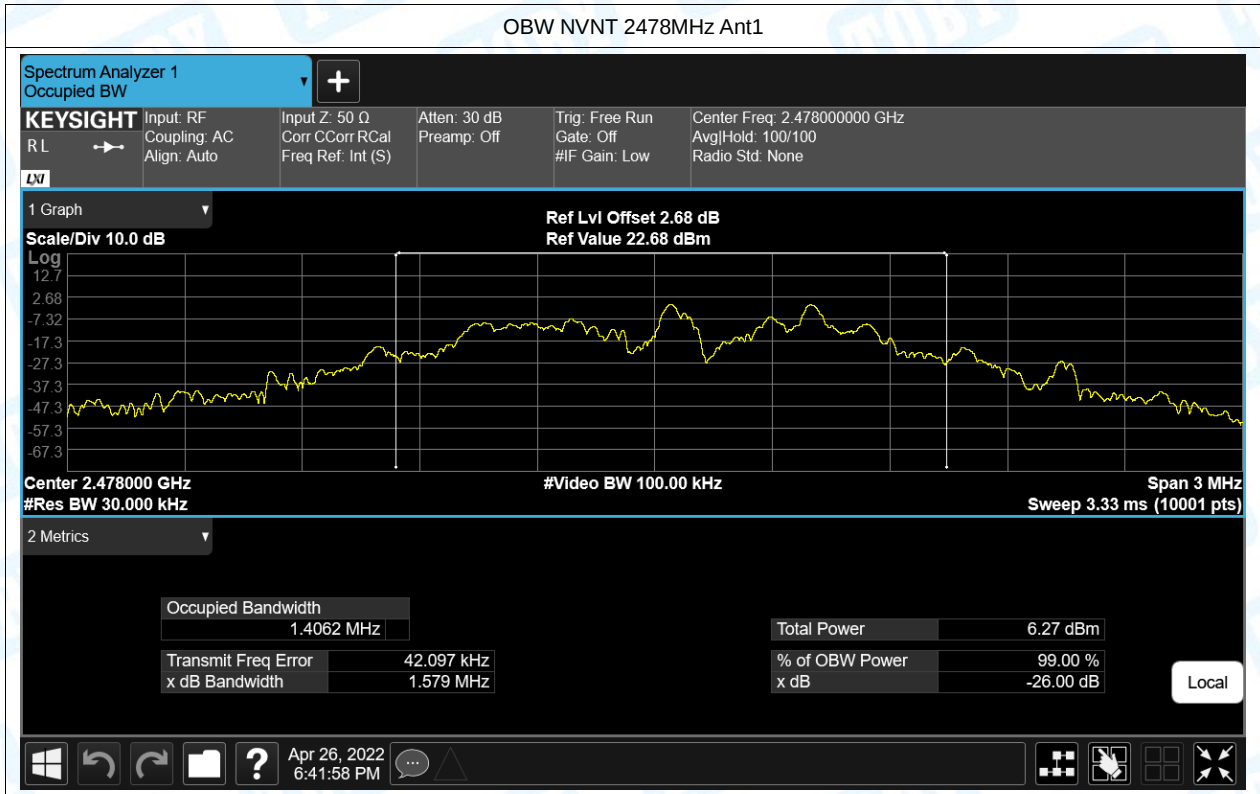




4.Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	GFSK	2458	Ant1	1.349
NVNT	GFSK	2468	Ant1	1.361
NVNT	GFSK	2478	Ant1	1.406

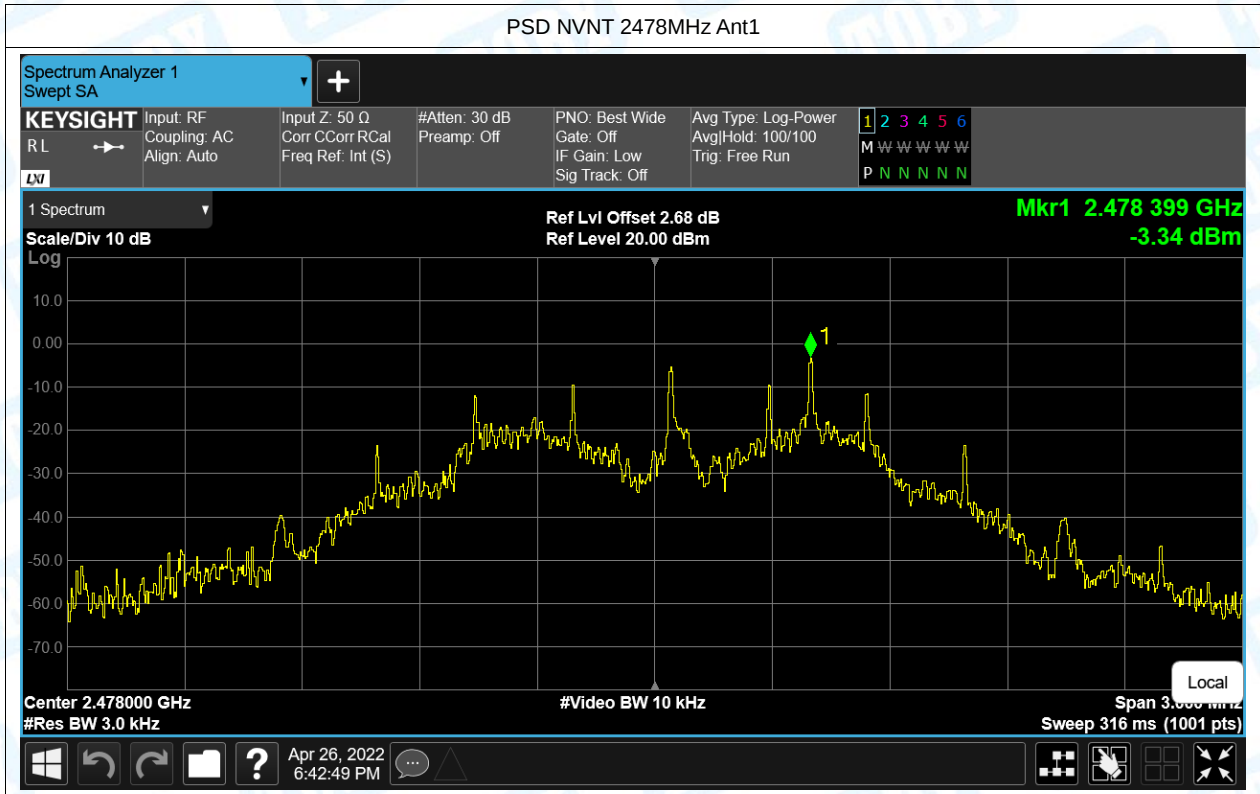




5.Maximum Power Spectral Density Level

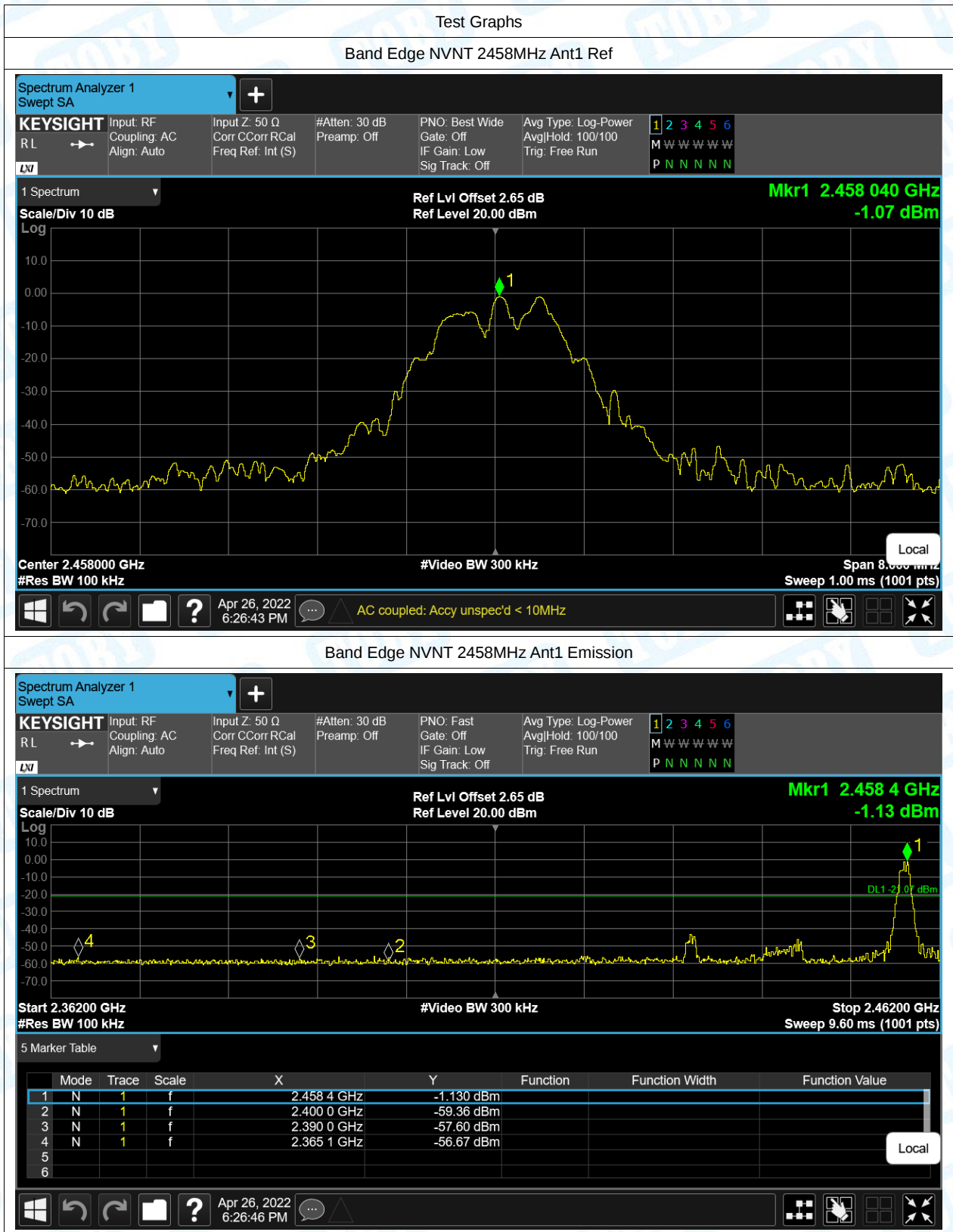
Condition	Mode	Frequency (MHz)	Antenna	Max PSD(dBm/3kHz)	Limit (dBm)	Verdict
NVNT	GFSK	2458	Ant1	-3.527	8	Pass
NVNT	GFSK	2468	Ant1	-3.331	8	Pass
NVNT	GFSK	2478	Ant1	-3.34	8	Pass

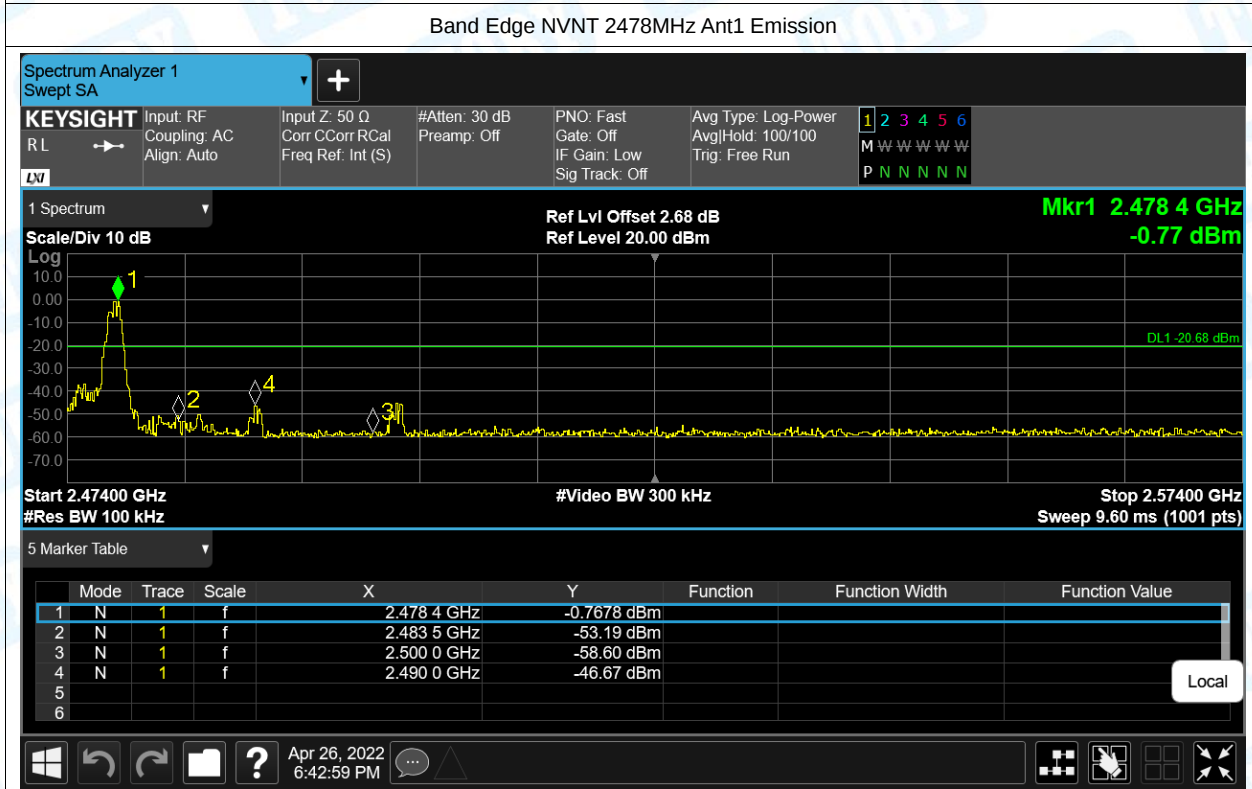




6.Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2458	Ant1	-55.6	-20	Pass
NVNT	GFSK	2478	Ant1	-45.99	-20	Pass

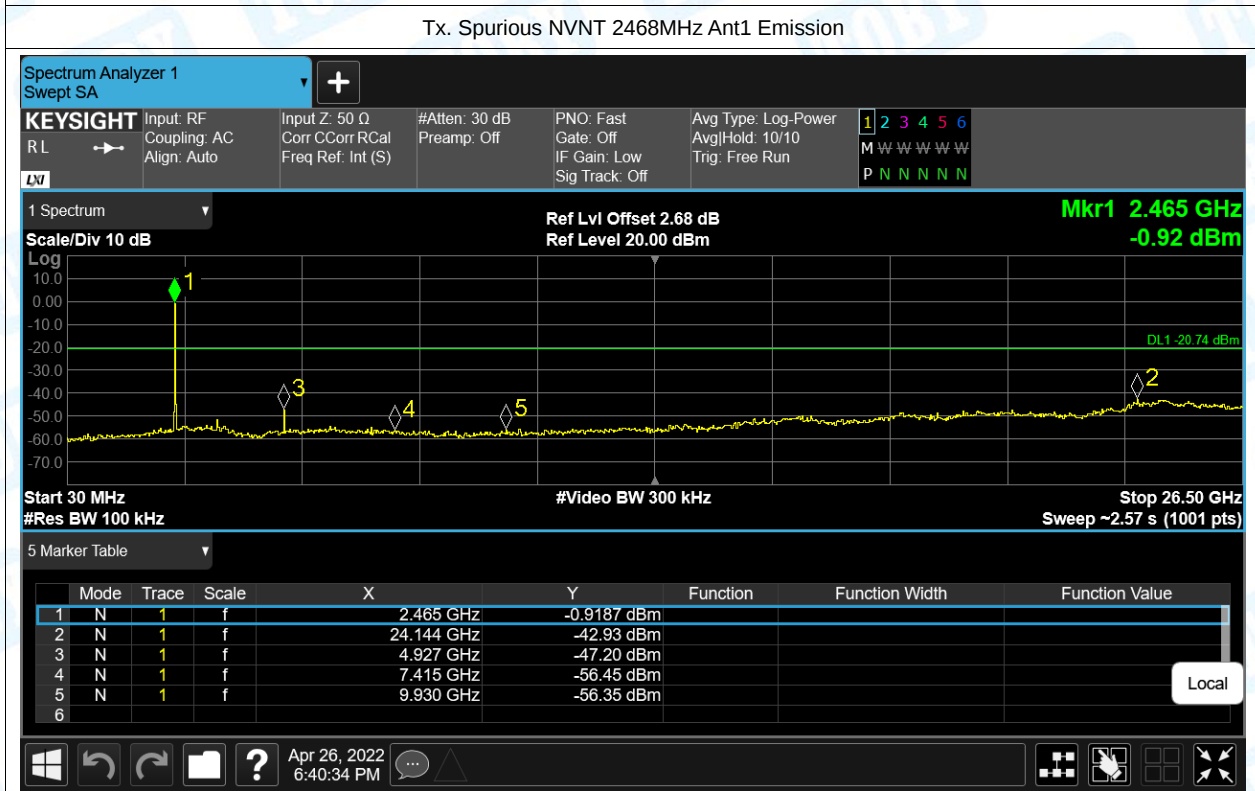
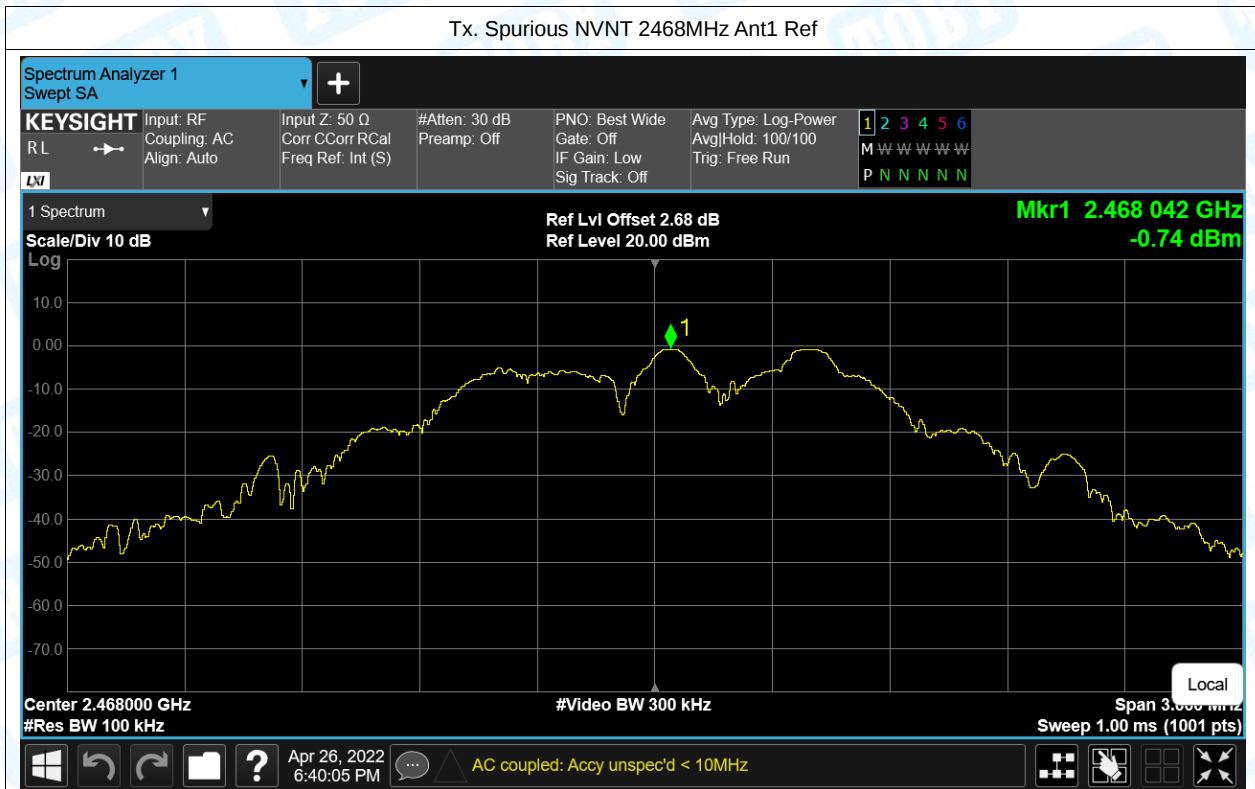


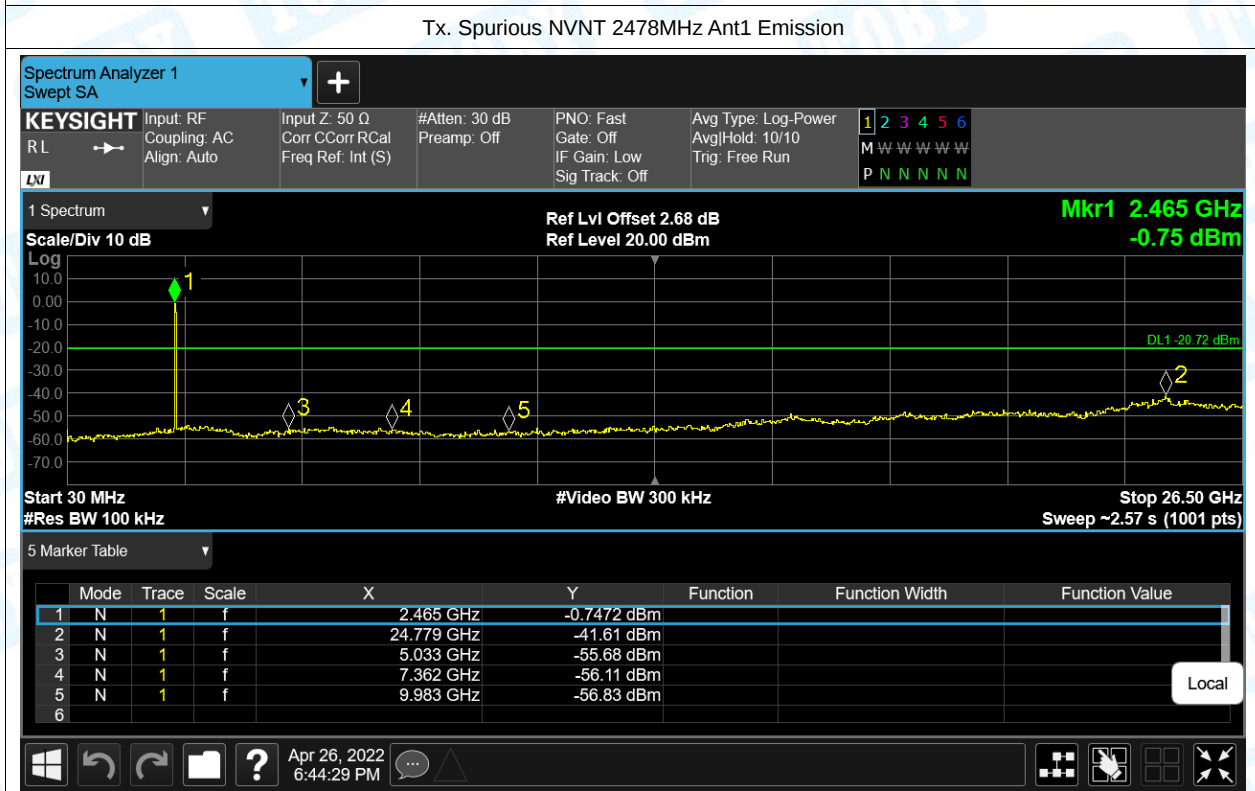
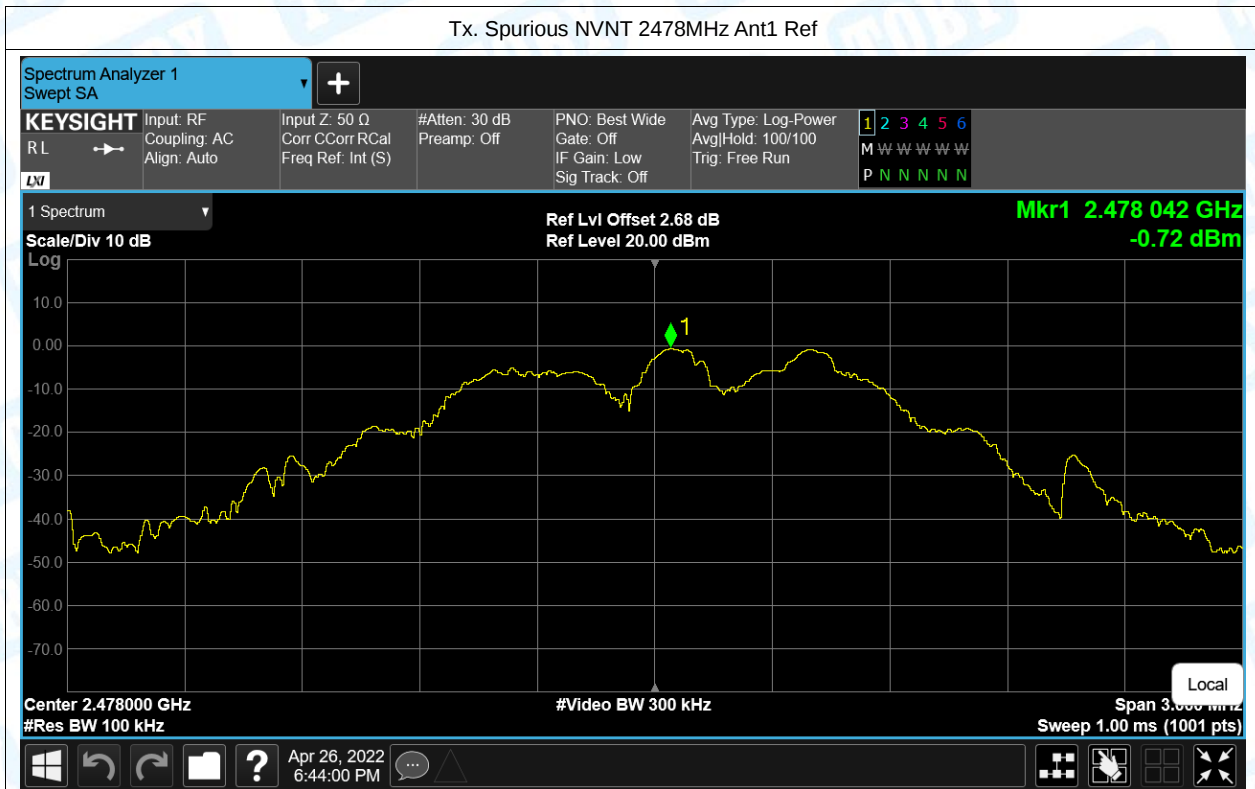


7.Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	GFSK	2458	Ant1	-41.07	-20	Pass
NVNT	GFSK	2468	Ant1	-42.19	-20	Pass
NVNT	GFSK	2478	Ant1	-40.89	-20	Pass







8.Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	GFSK	2458	Ant1	2310	-49.72	2	47.54	Peak	74	Pass
NVNT	GFSK	2458	Ant1	2310	-58.94	2	38.32	Average	54	Pass
NVNT	GFSK	2458	Ant1	2362.136	-46.93	2	50.33	Peak	74	Pass
NVNT	GFSK	2458	Ant1	2386.152	-58.59	2	38.67	Average	54	Pass
NVNT	GFSK	2458	Ant1	2390	-50.29	2	46.97	Peak	74	Pass
NVNT	GFSK	2458	Ant1	2390	-58.99	2	38.27	Average	54	Pass
NVNT	GFSK	2478	Ant1	2483.5	-43.77	2	53.49	Peak	74	Pass
NVNT	GFSK	2478	Ant1	2483.5	-57.6	2	39.66	Average	54	Pass
NVNT	GFSK	2478	Ant1	2484.79	-37.14	2	60.12	Peak	74	Pass
NVNT	GFSK	2478	Ant1	2490.25	-49.14	2	48.12	Average	54	Pass
NVNT	GFSK	2478	Ant1	2500	-49.33	2	47.93	Peak	74	Pass
NVNT	GFSK	2478	Ant1	2500	-58.43	2	38.83	Average	54	Pass

