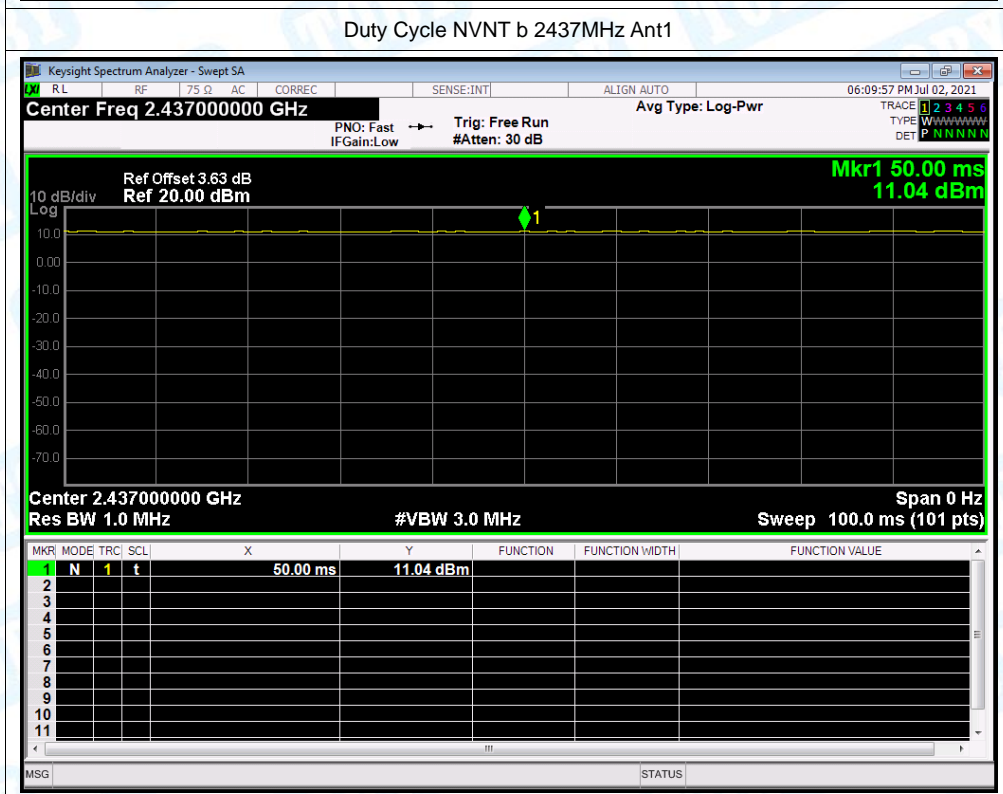
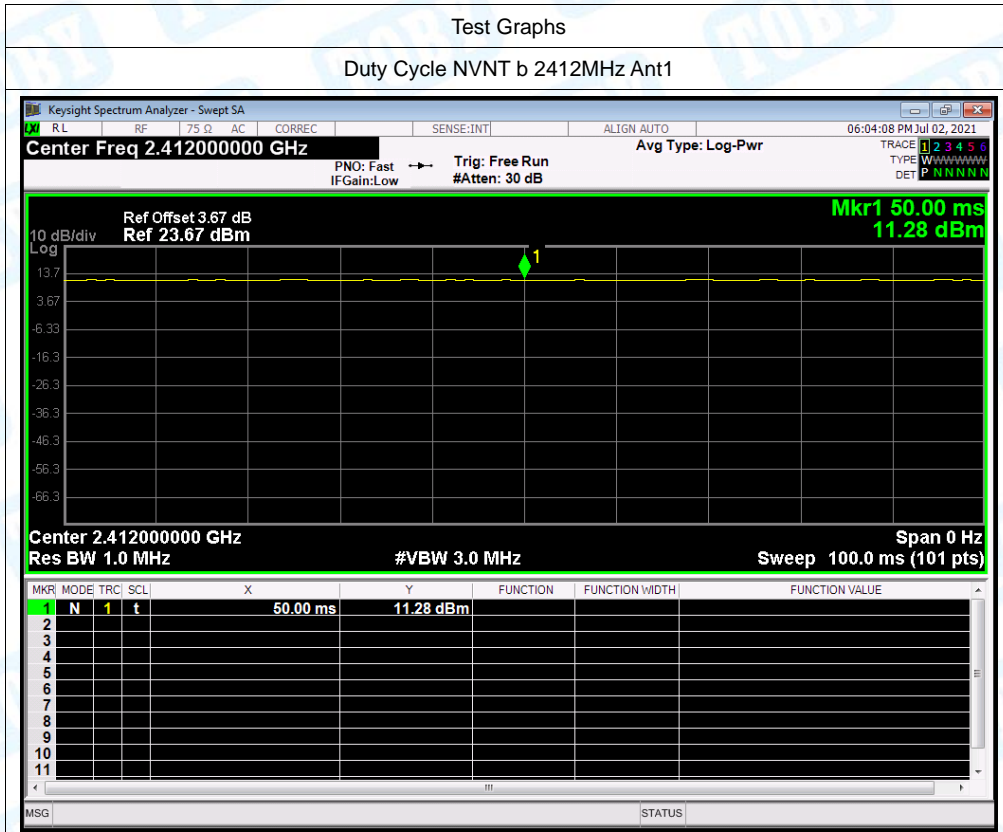


# RF Test Data for 2.4G WiFi (Conducted Measurements)

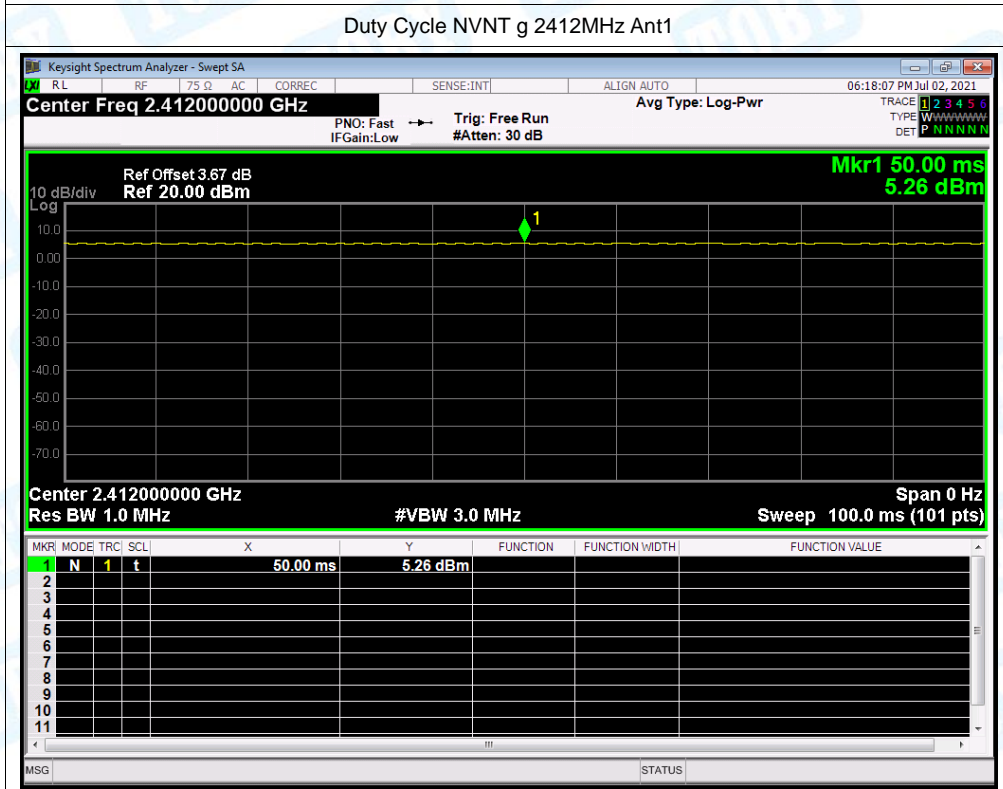
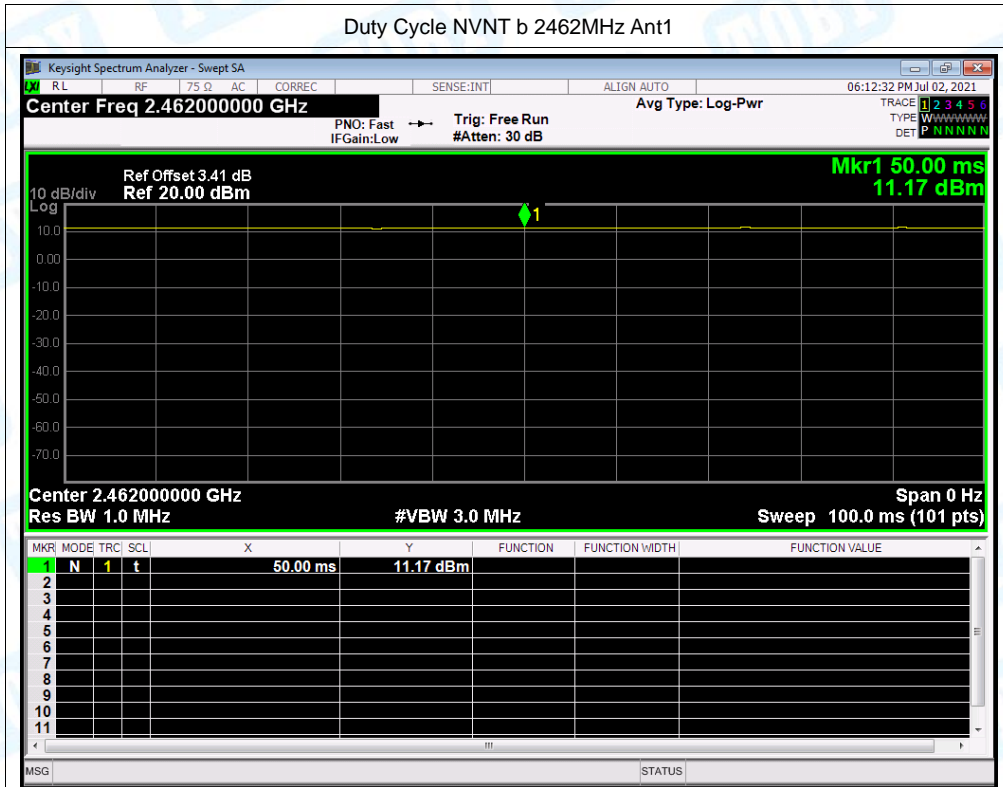
General Description of EUT	
<b>Product Name:</b>	10 Inch Wi-Fi Digital Picture Frame
<b>Test Model:</b>	PDWX-1050B, PDWX-1050C, PDWX-1050G
<b>Sample ID:</b>	20210608-07-2#
Environmental Conditions	
<b>Temperature:</b>	23.8°C
<b>Relative Humidity:</b>	48%
<b>Test Voltage:</b>	DC 5V
<b>Test Engineer:</b>	HeJingchang
Note: For a more detailed features description, please refer to the report TB-RF180812.	

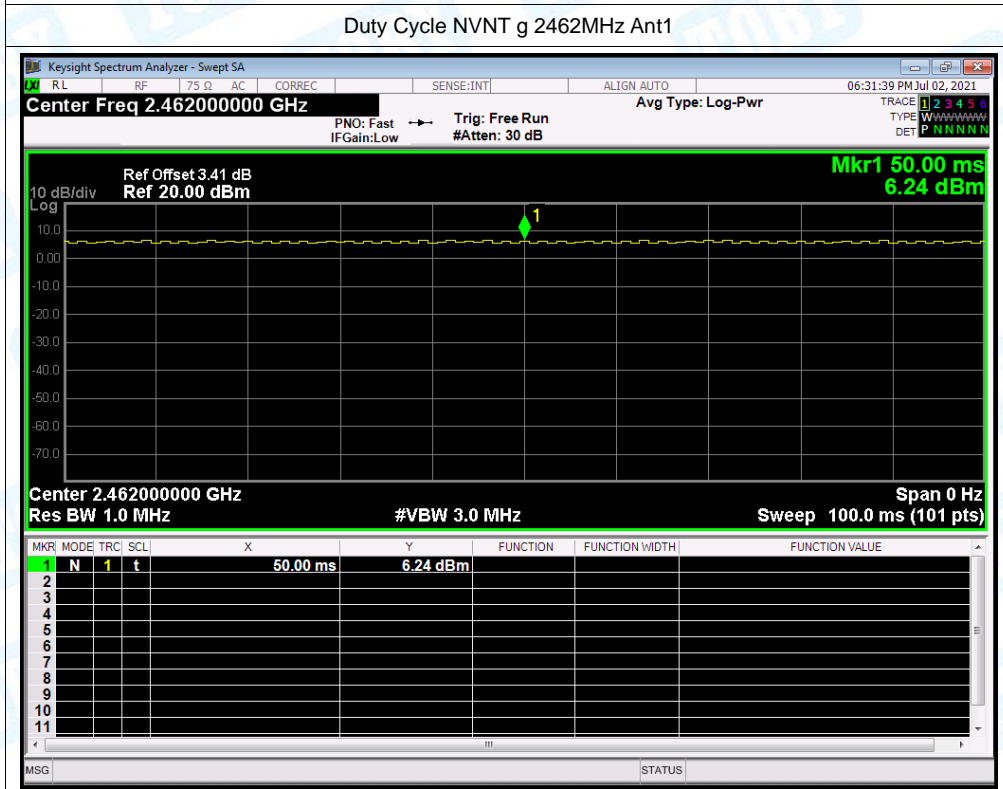
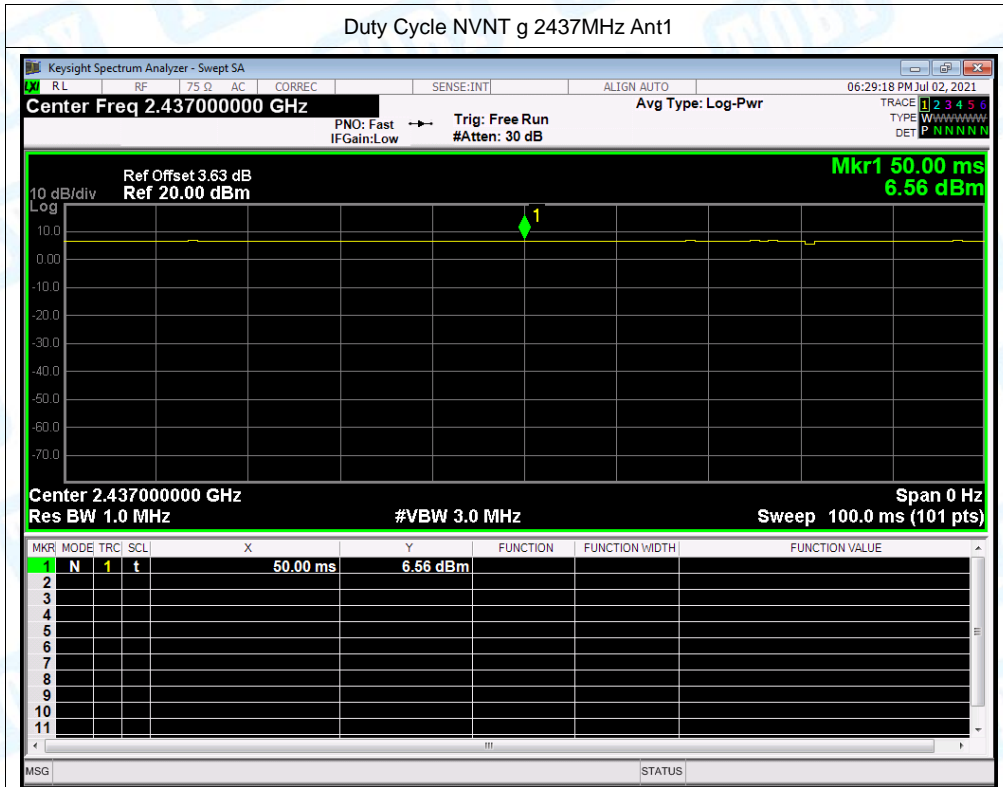
## 1. Duty Cycle

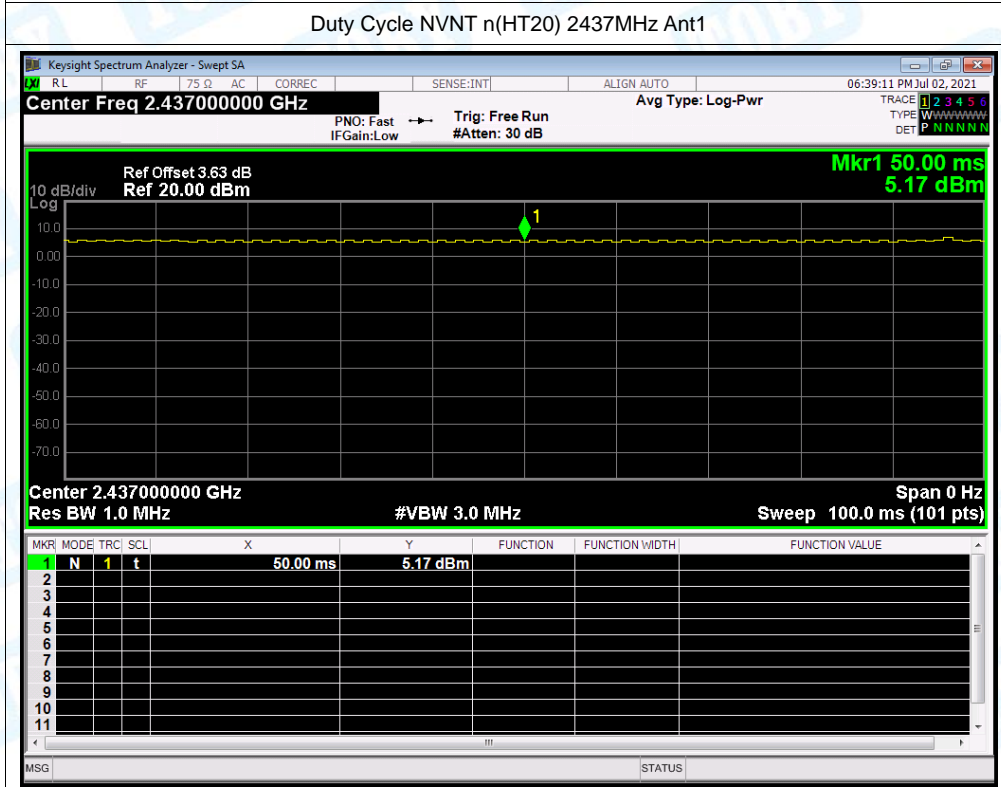
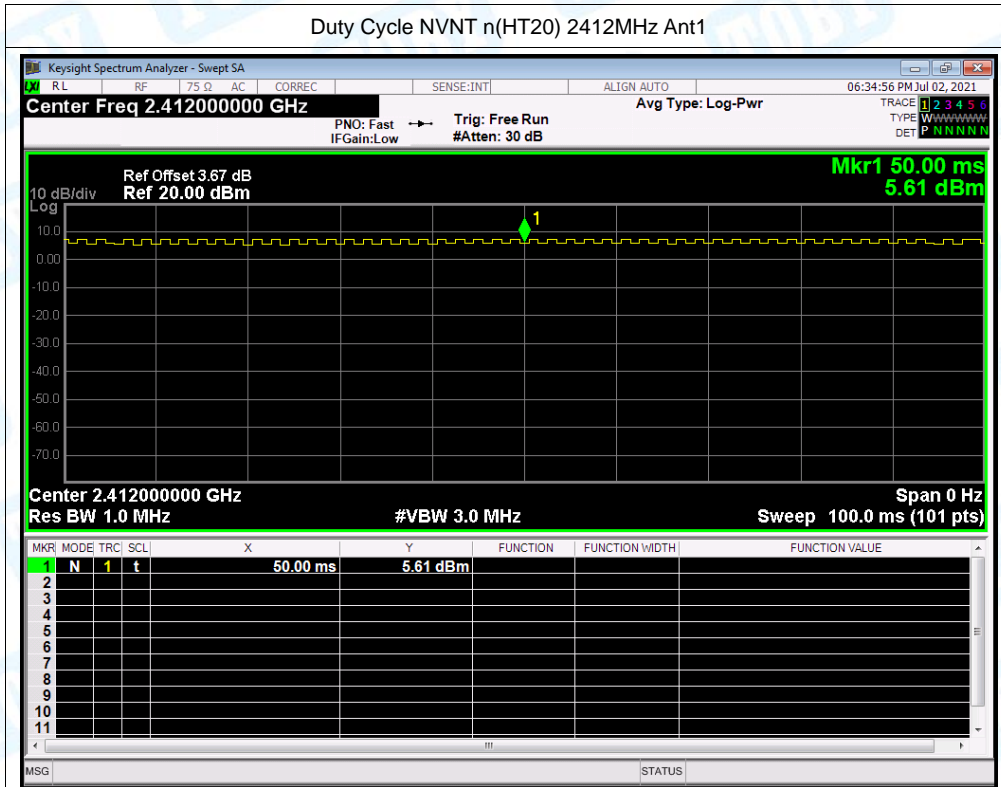
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	100	0	0
NVNT	b	2437	Ant1	100	0	0
NVNT	b	2462	Ant1	100	0	0
NVNT	g	2412	Ant1	100	0	0
NVNT	g	2437	Ant1	100	0	0
NVNT	g	2462	Ant1	100	0	0
NVNT	n(HT20)	2412	Ant1	100	0	0
NVNT	n(HT20)	2437	Ant1	100	0	0
NVNT	n(HT20)	2462	Ant1	100	0	0
NVNT	n(HT40)	2422	Ant1	100	0	0
NVNT	n(HT40)	2437	Ant1	100	0	0
NVNT	n(HT40)	2452	Ant1	100	0	0



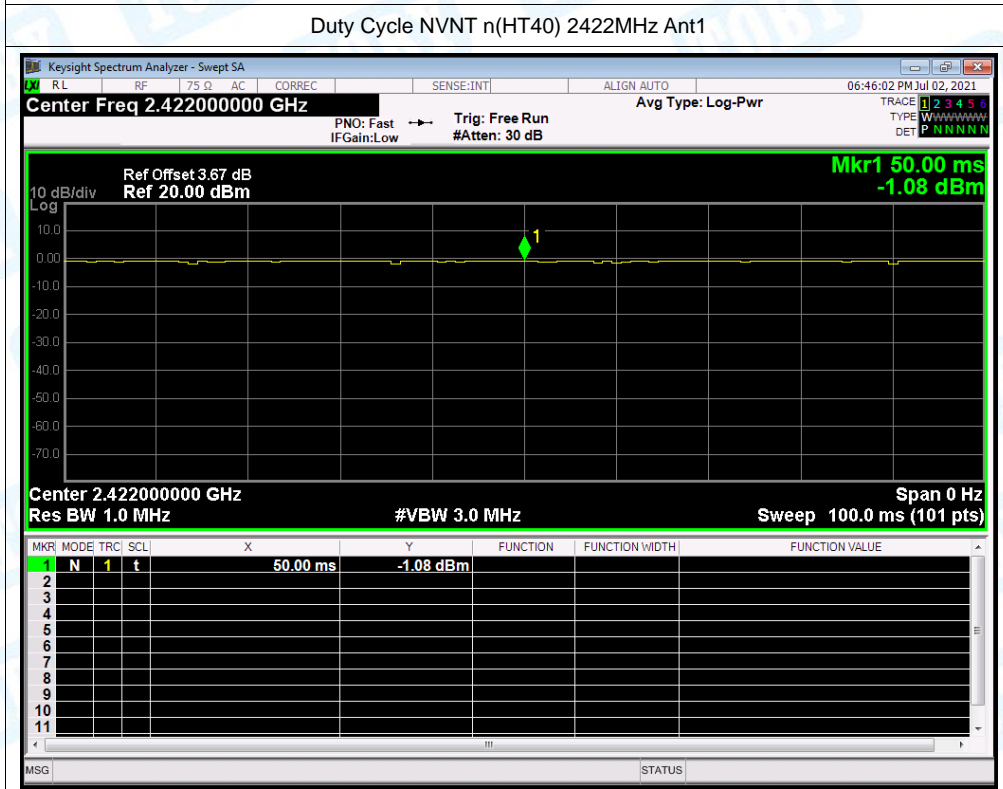
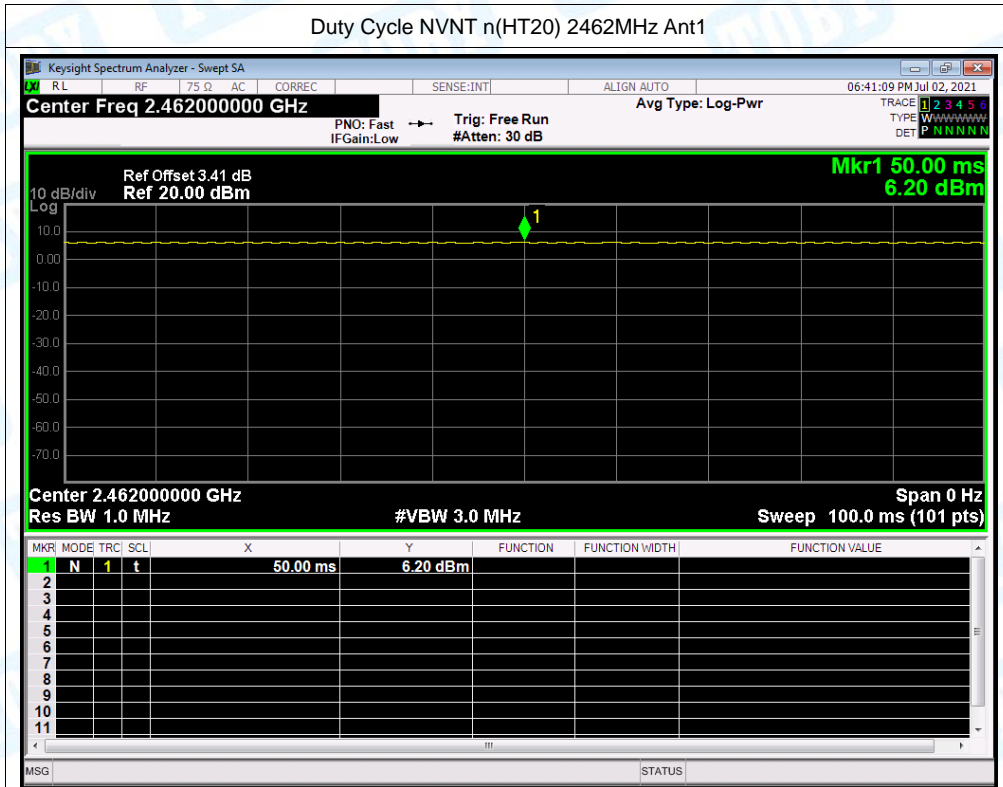




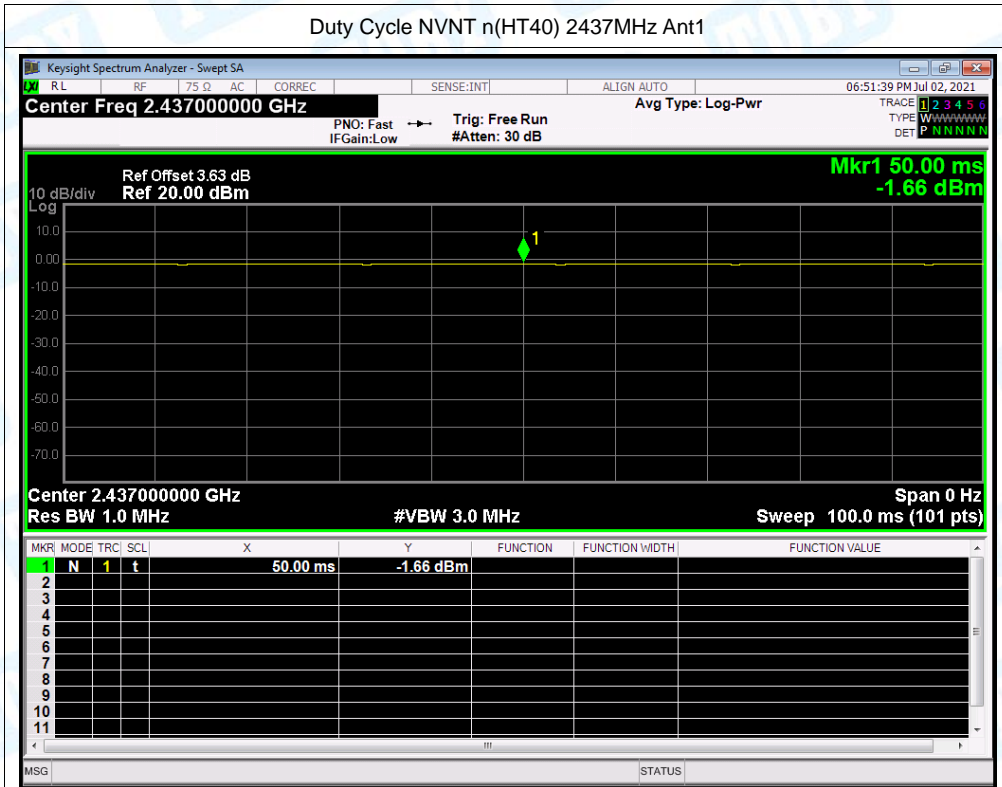




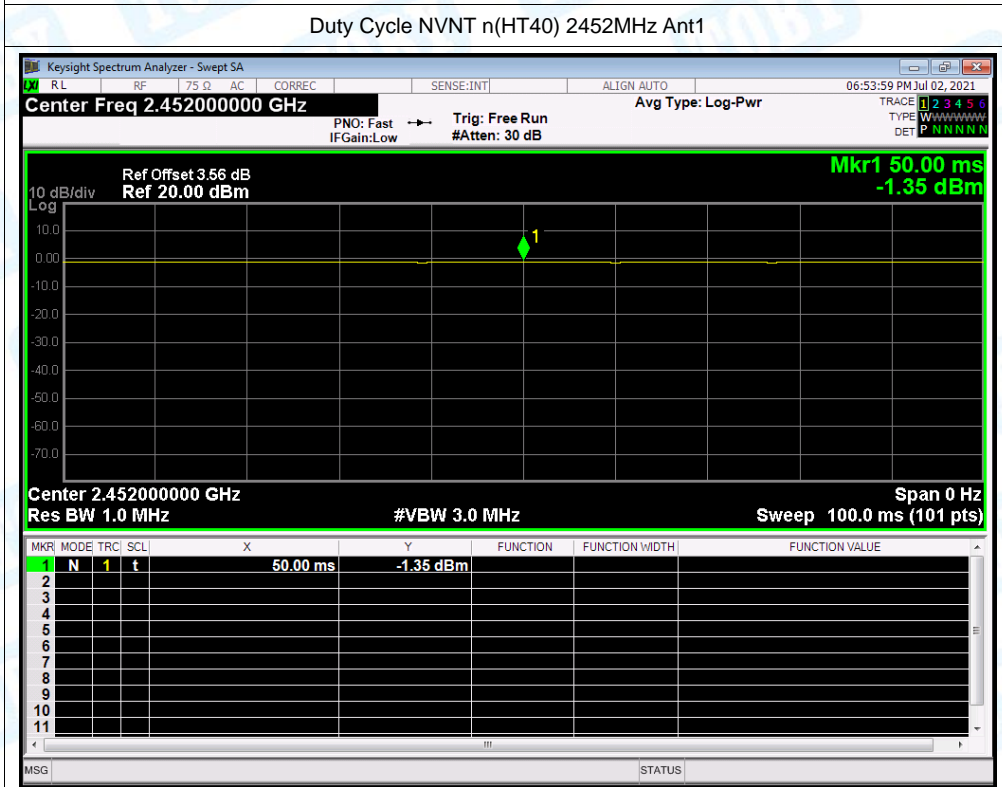




Duty Cycle NVNT n(HT40) 2437MHz Ant1



Duty Cycle NVNT n(HT40) 2452MHz Ant1





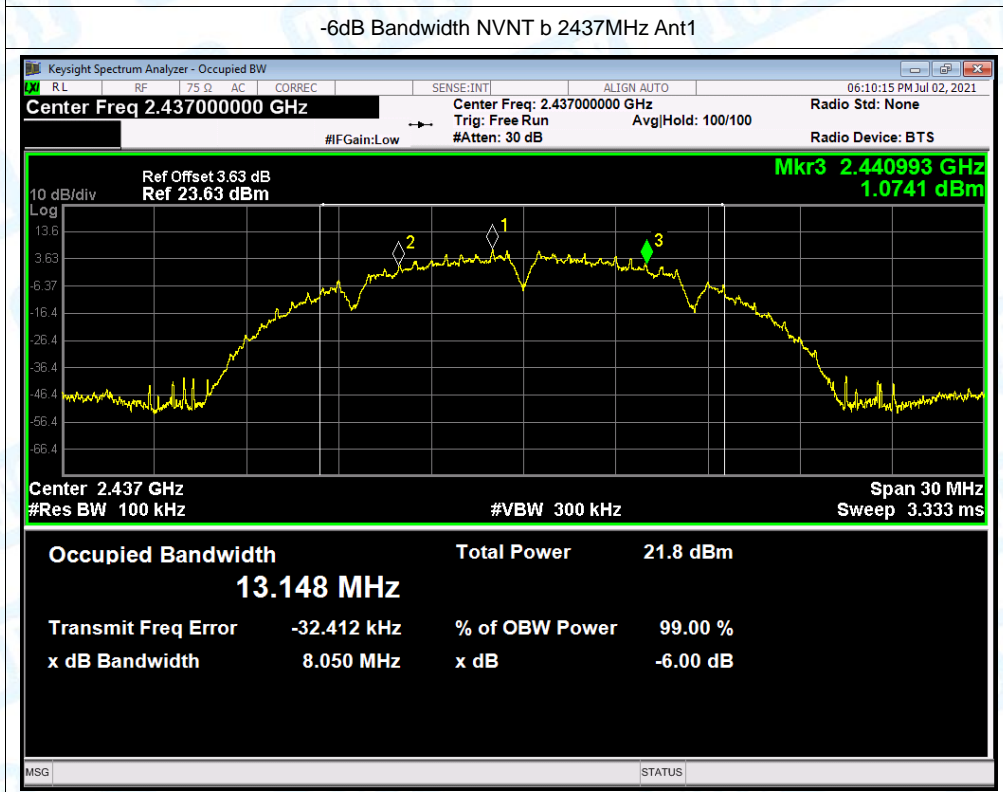
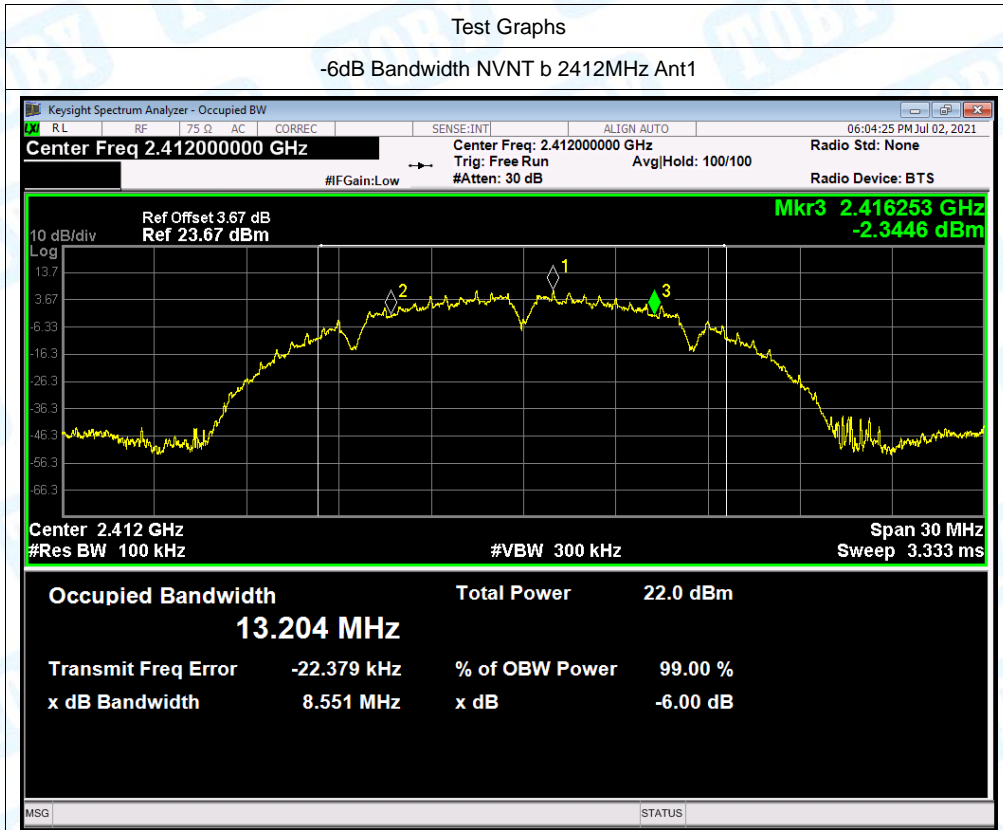
## 2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	17.069	0	17.069	30	Pass
NVNT	b	2437	Ant1	16.809	0	16.809	30	Pass
NVNT	b	2462	Ant1	16.981	0	16.981	30	Pass
NVNT	g	2412	Ant1	15.41	0	15.41	30	Pass
NVNT	g	2437	Ant1	15.587	0	15.587	30	Pass
NVNT	g	2462	Ant1	15.558	0	15.558	30	Pass
NVNT	n(HT20)	2412	Ant1	15.08	0	15.08	30	Pass
NVNT	n(HT20)	2437	Ant1	15.482	0	15.482	30	Pass
NVNT	n(HT20)	2462	Ant1	15.469	0	15.469	30	Pass
NVNT	n(HT40)	2422	Ant1	13.236	0	13.236	30	Pass
NVNT	n(HT40)	2437	Ant1	13.472	0	13.472	30	Pass
NVNT	n(HT40)	2452	Ant1	13.548	0	13.548	30	Pass

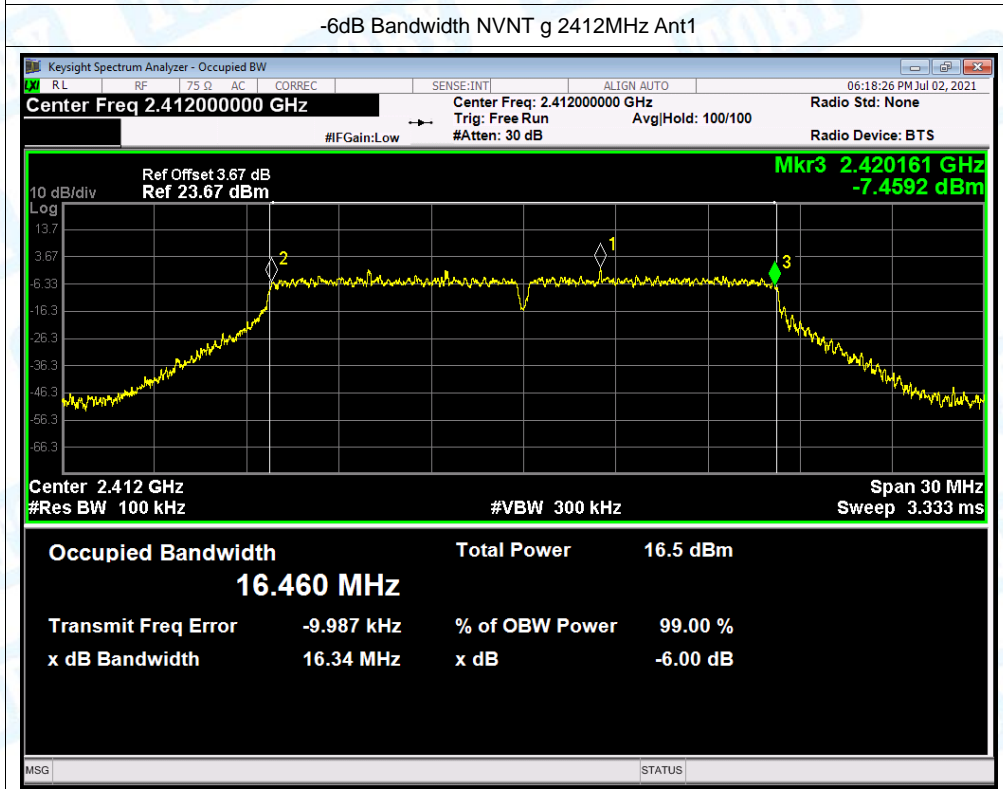
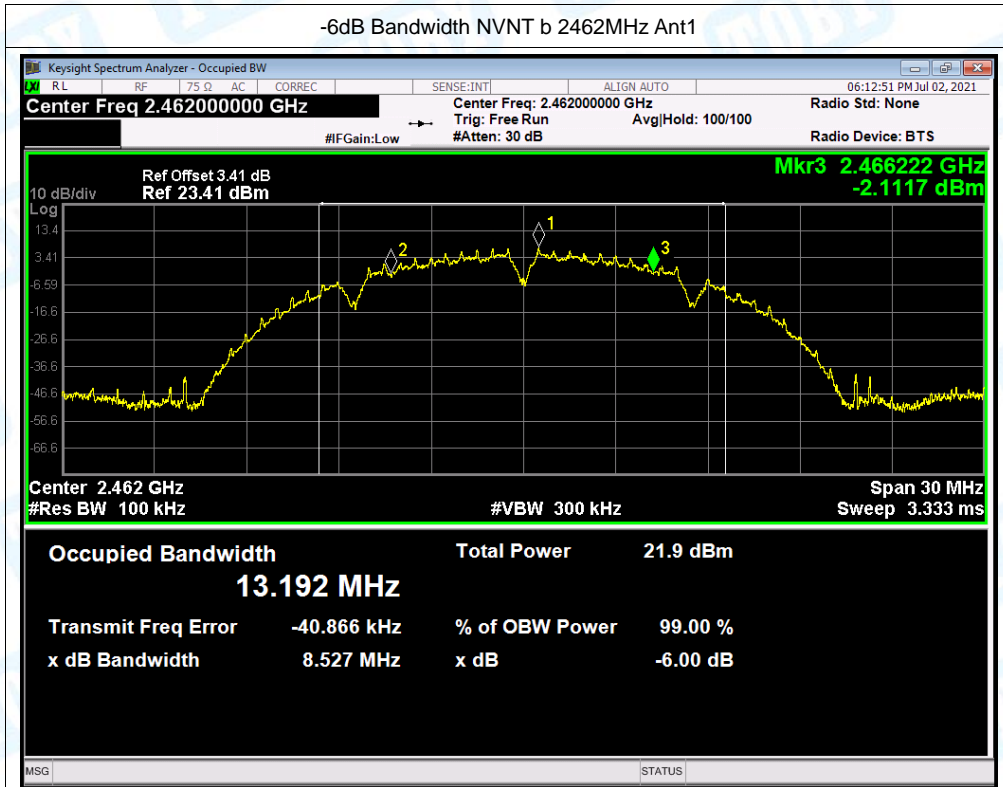


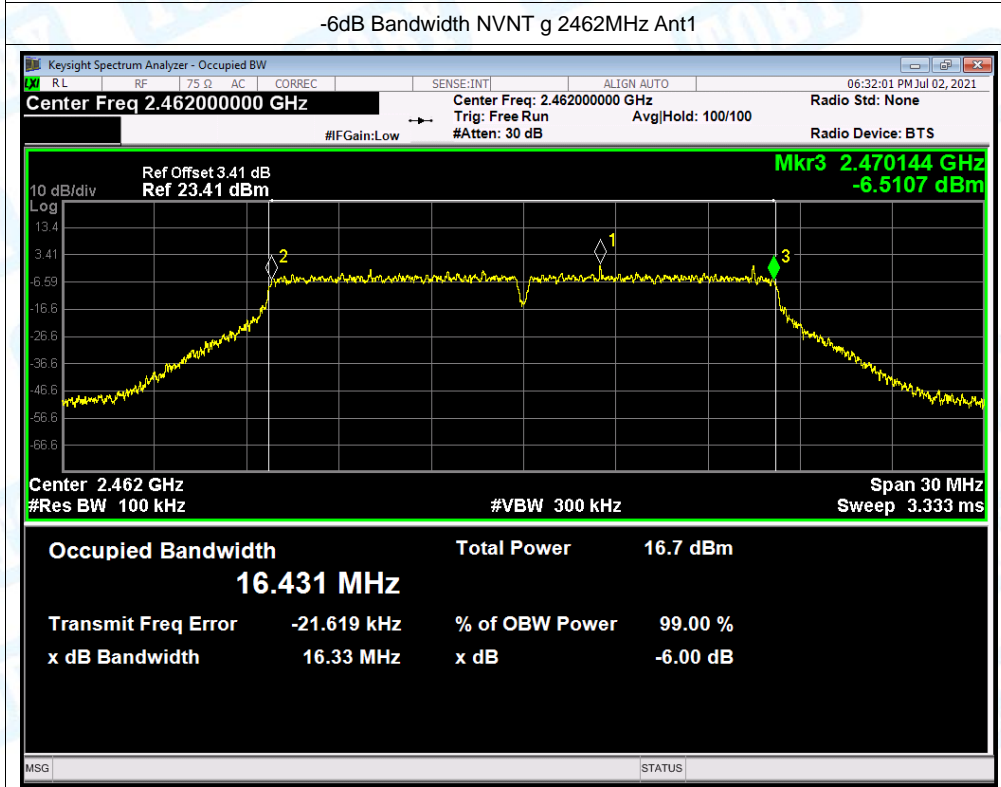
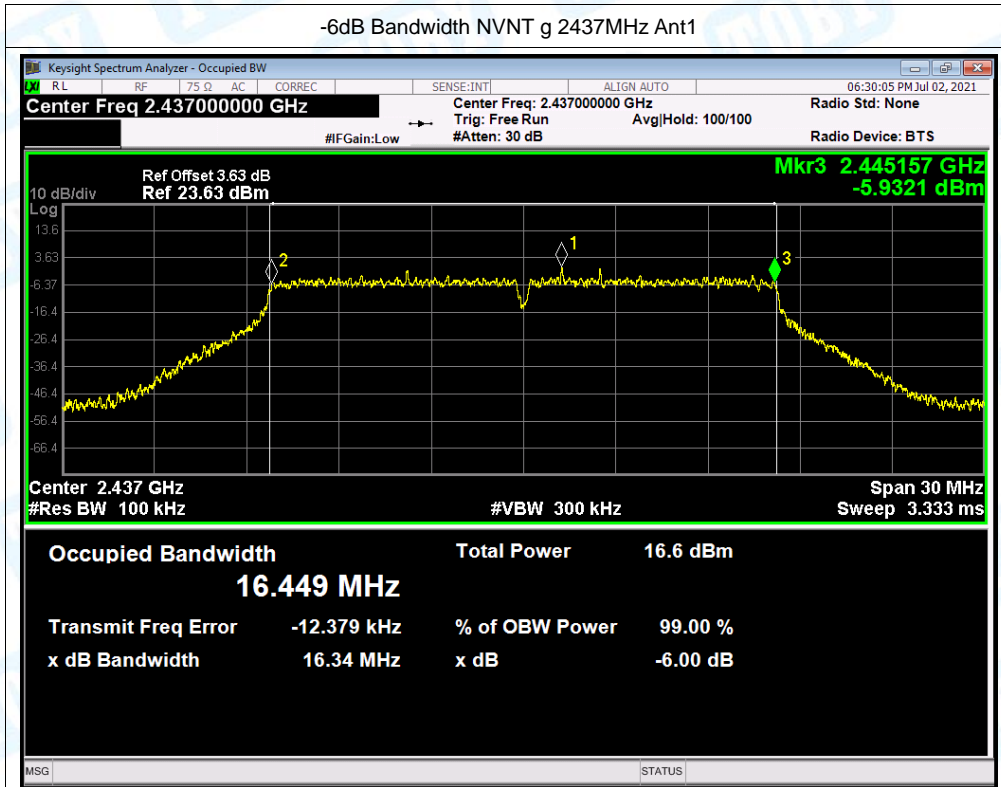
### 3. -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.551	0.5	Pass
NVNT	b	2437	Ant1	8.05	0.5	Pass
NVNT	b	2462	Ant1	8.527	0.5	Pass
NVNT	g	2412	Ant1	16.342	0.5	Pass
NVNT	g	2437	Ant1	16.339	0.5	Pass
NVNT	g	2462	Ant1	16.332	0.5	Pass
NVNT	n(HT20)	2412	Ant1	17.568	0.5	Pass
NVNT	n(HT20)	2437	Ant1	17.58	0.5	Pass
NVNT	n(HT20)	2462	Ant1	17.546	0.5	Pass
NVNT	n(HT40)	2422	Ant1	35.514	0.5	Pass
NVNT	n(HT40)	2437	Ant1	35.334	0.5	Pass
NVNT	n(HT40)	2452	Ant1	35.478	0.5	Pass

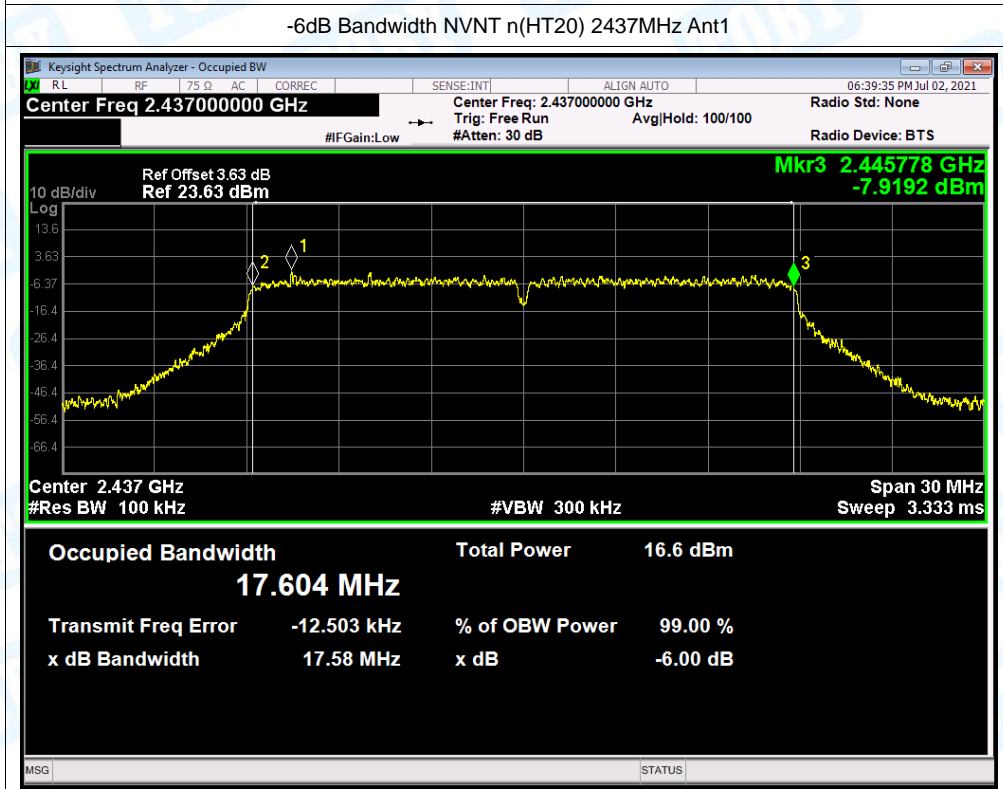
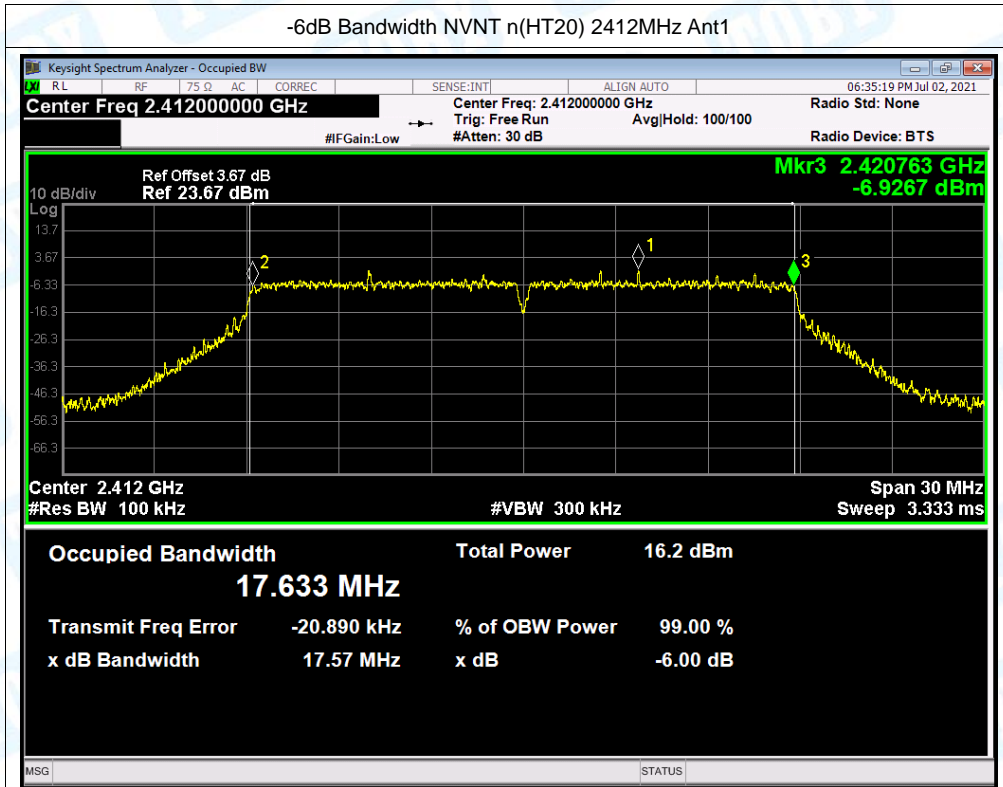


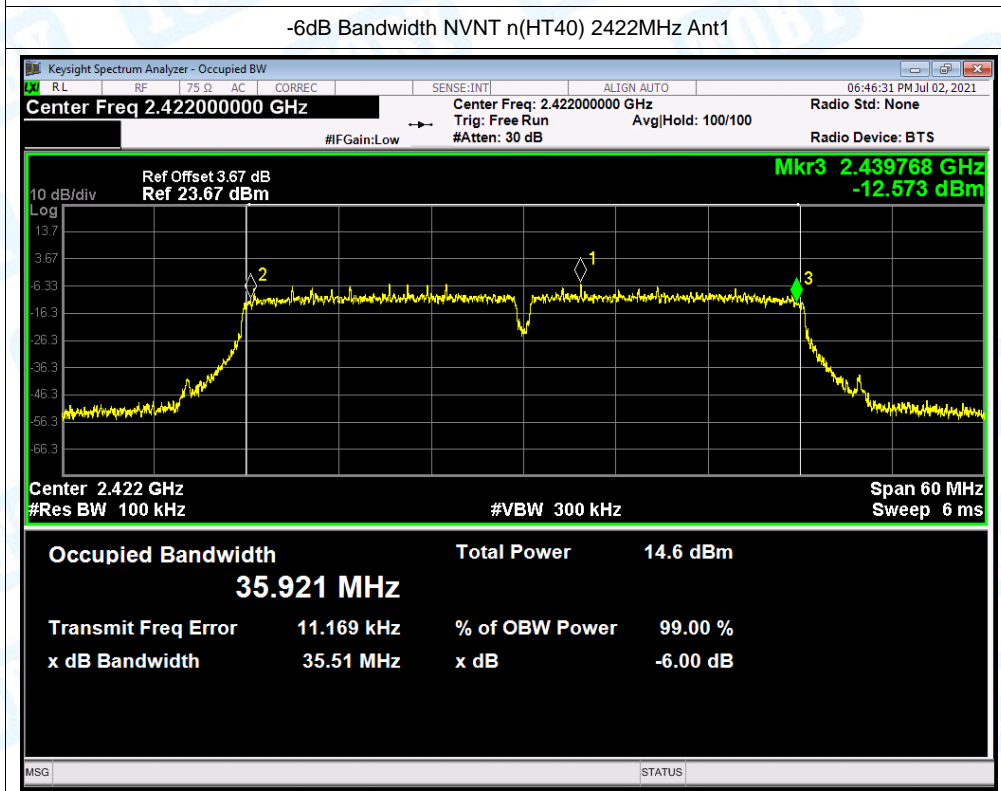
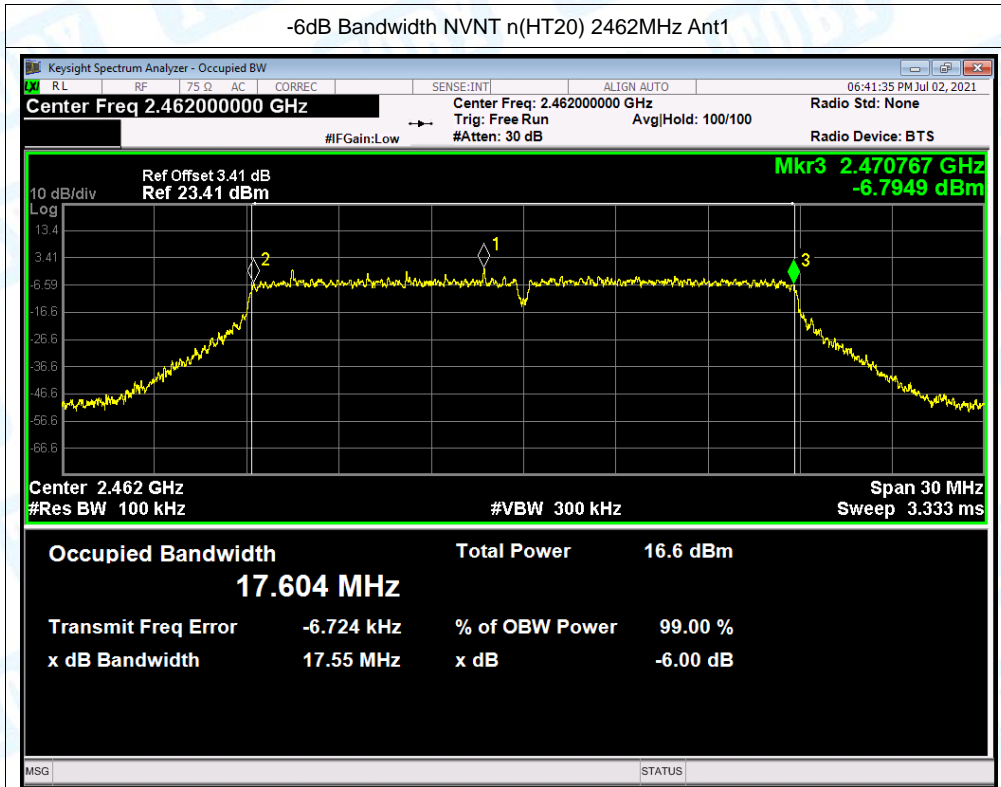






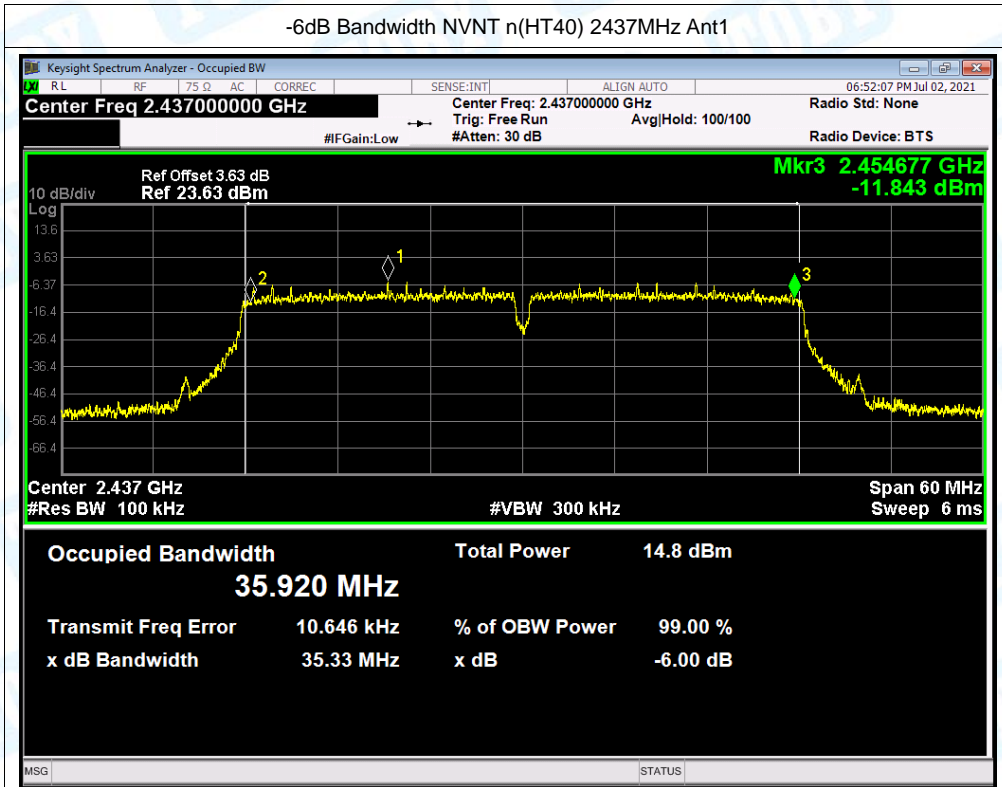




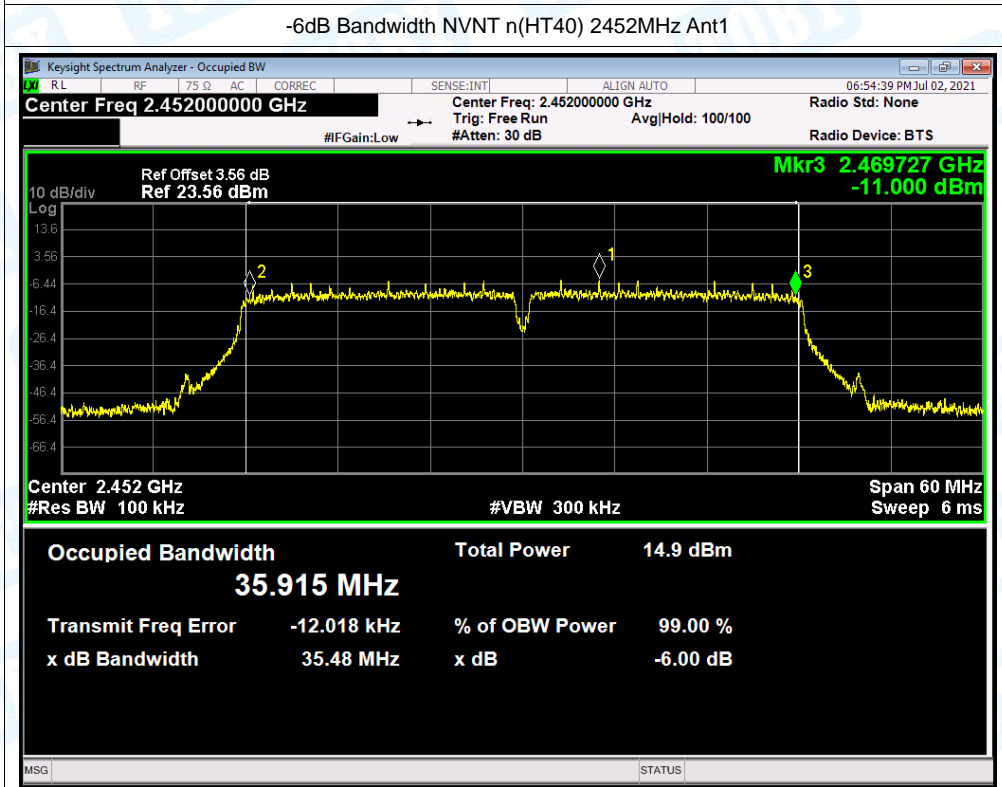




-6dB Bandwidth NVNT n(HT40) 2437MHz Ant1



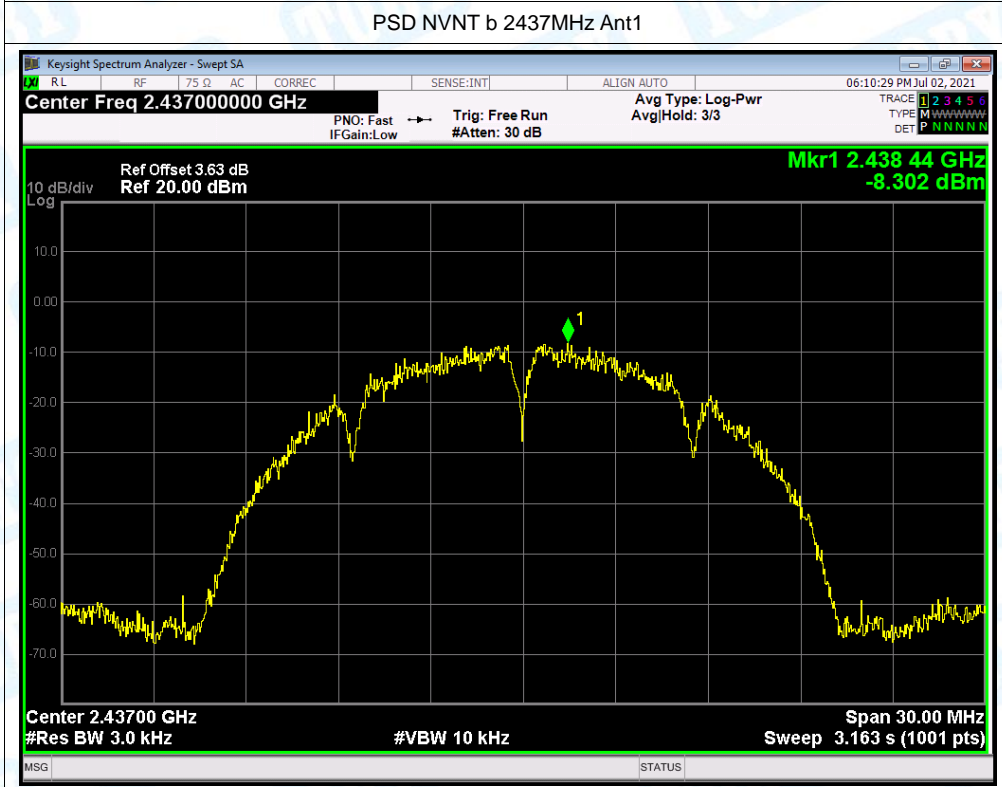
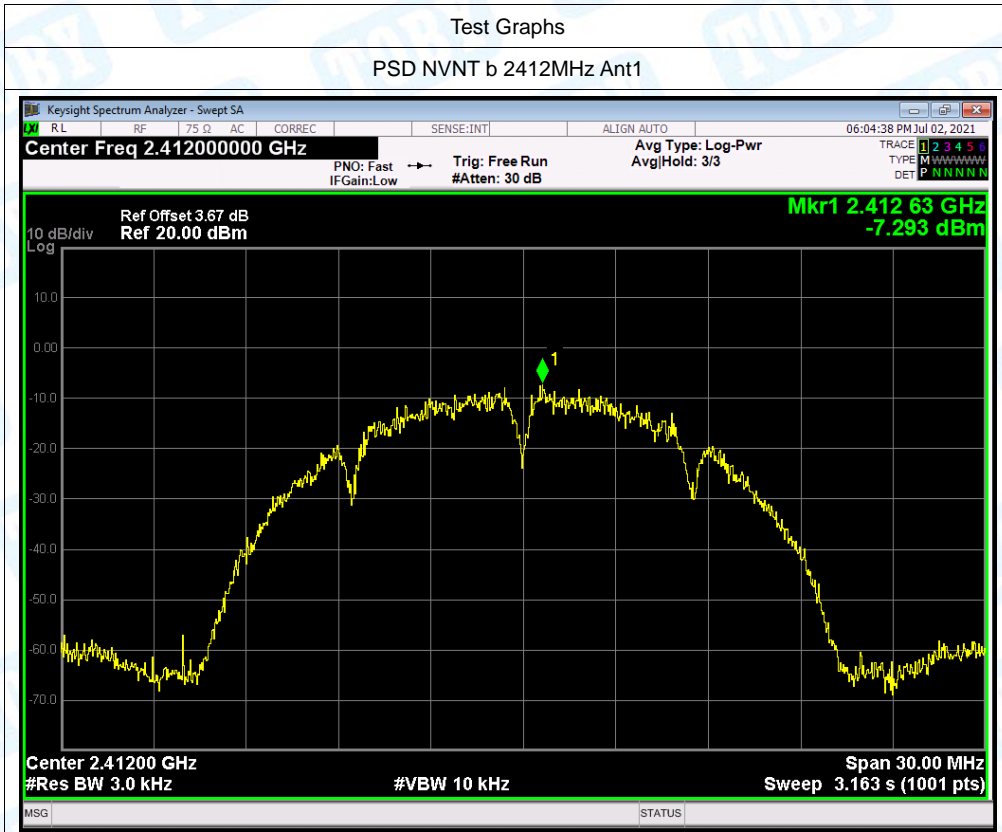
-6dB Bandwidth NVNT n(HT40) 2452MHz Ant1

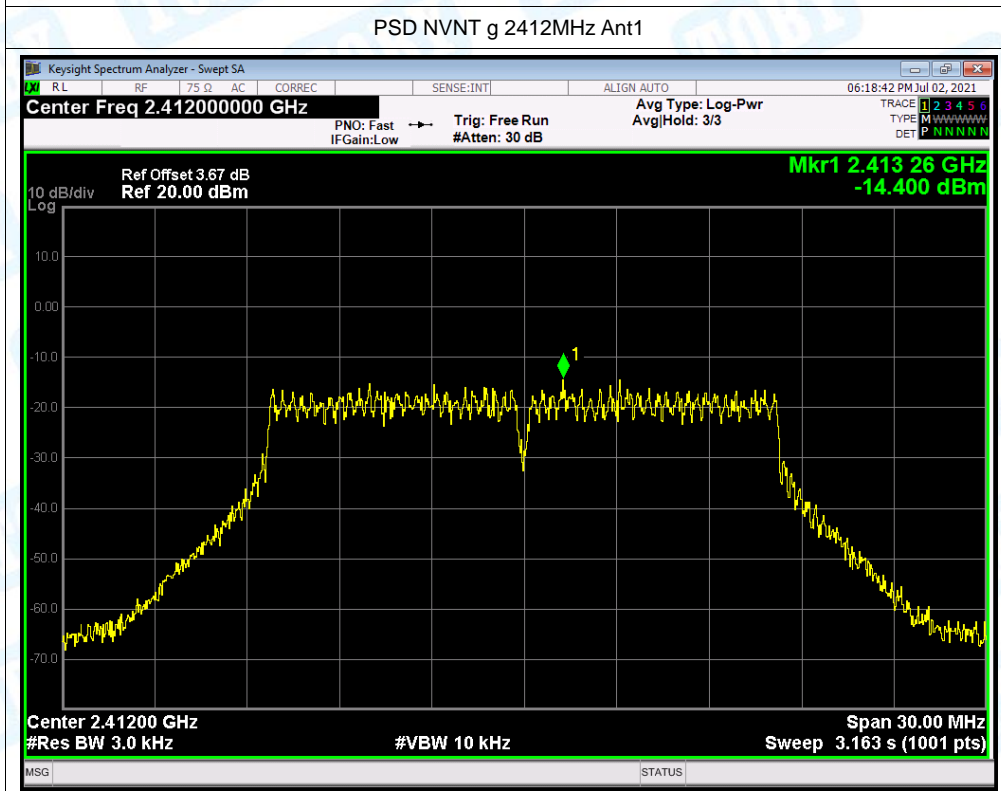
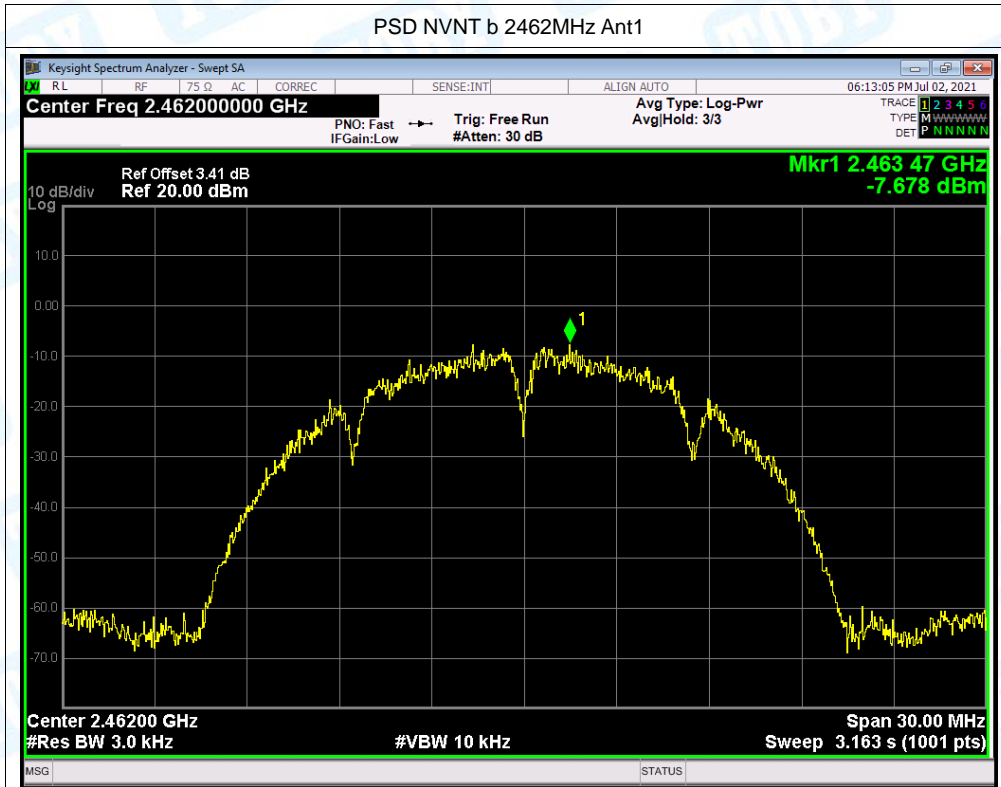


#### 4. Maximum Power Spectral Density Level

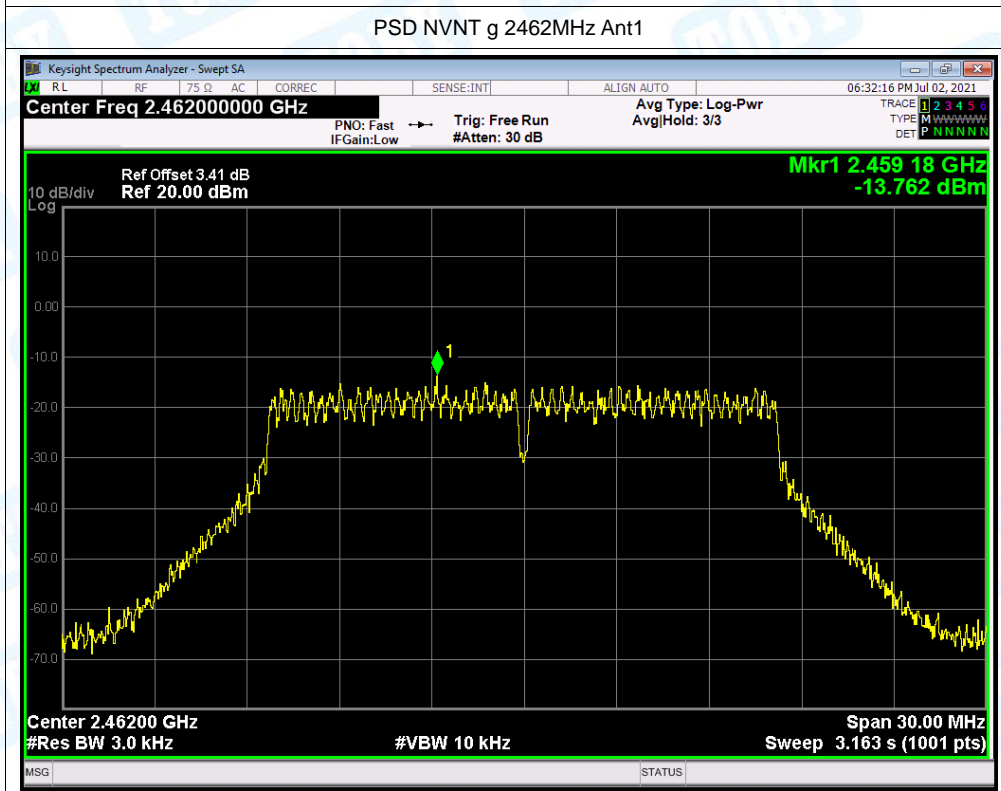
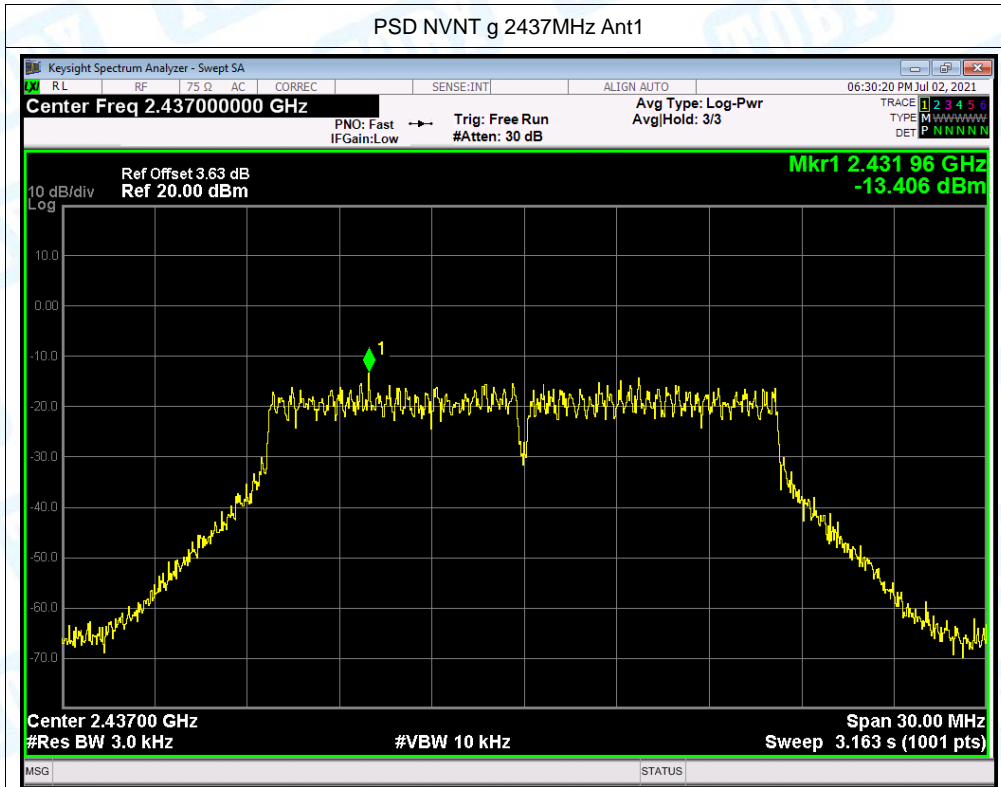
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-7.293	8	Pass
NVNT	b	2437	Ant1	-8.302	8	Pass
NVNT	b	2462	Ant1	-7.678	8	Pass
NVNT	g	2412	Ant1	-14.4	8	Pass
NVNT	g	2437	Ant1	-13.406	8	Pass
NVNT	g	2462	Ant1	-13.762	8	Pass
NVNT	n(HT20)	2412	Ant1	-13.537	8	Pass
NVNT	n(HT20)	2437	Ant1	-13.493	8	Pass
NVNT	n(HT20)	2462	Ant1	-13.289	8	Pass
NVNT	n(HT40)	2422	Ant1	-19.835	8	Pass
NVNT	n(HT40)	2437	Ant1	-19.574	8	Pass
NVNT	n(HT40)	2452	Ant1	-18.573	8	Pass

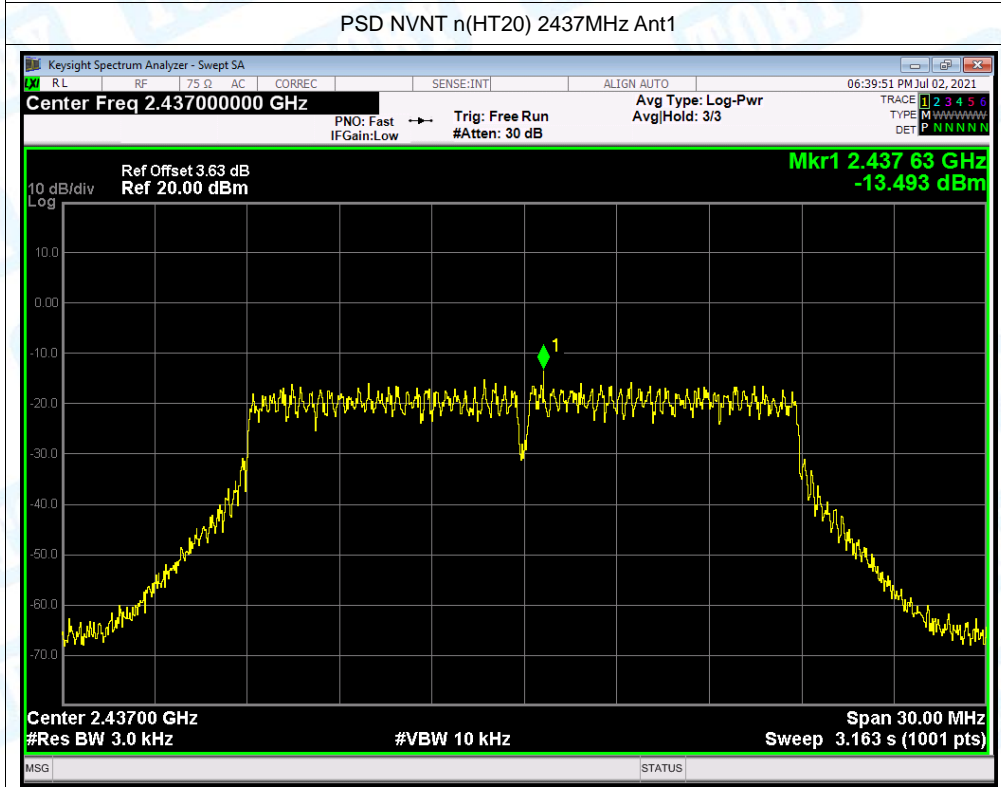
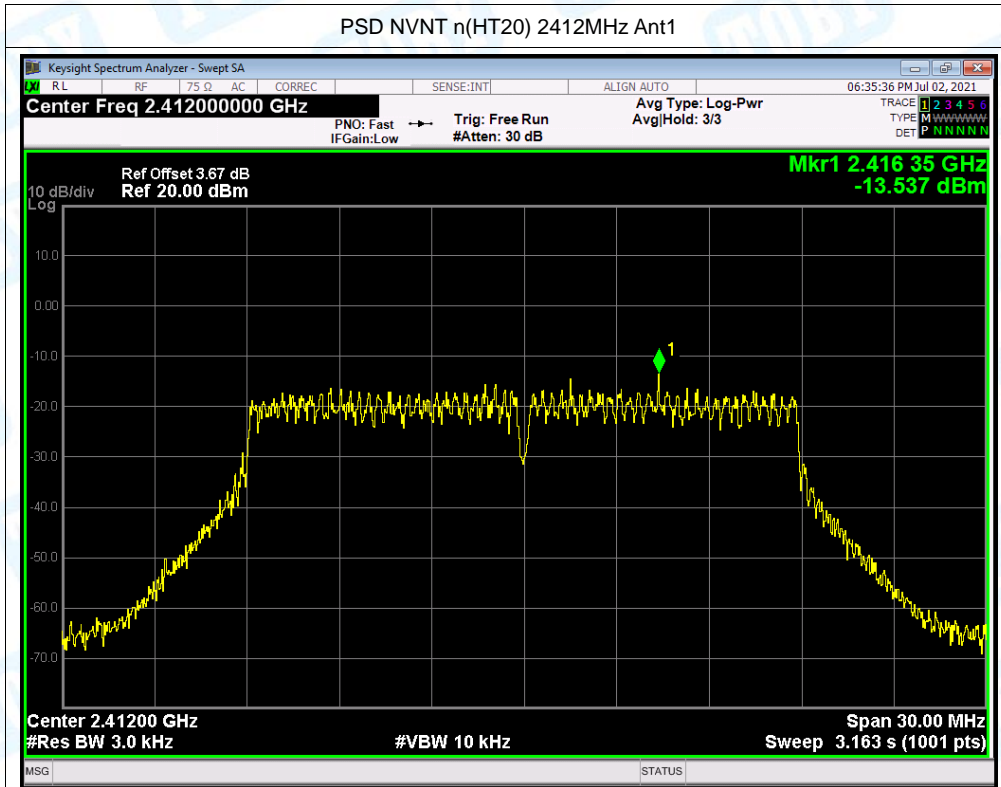






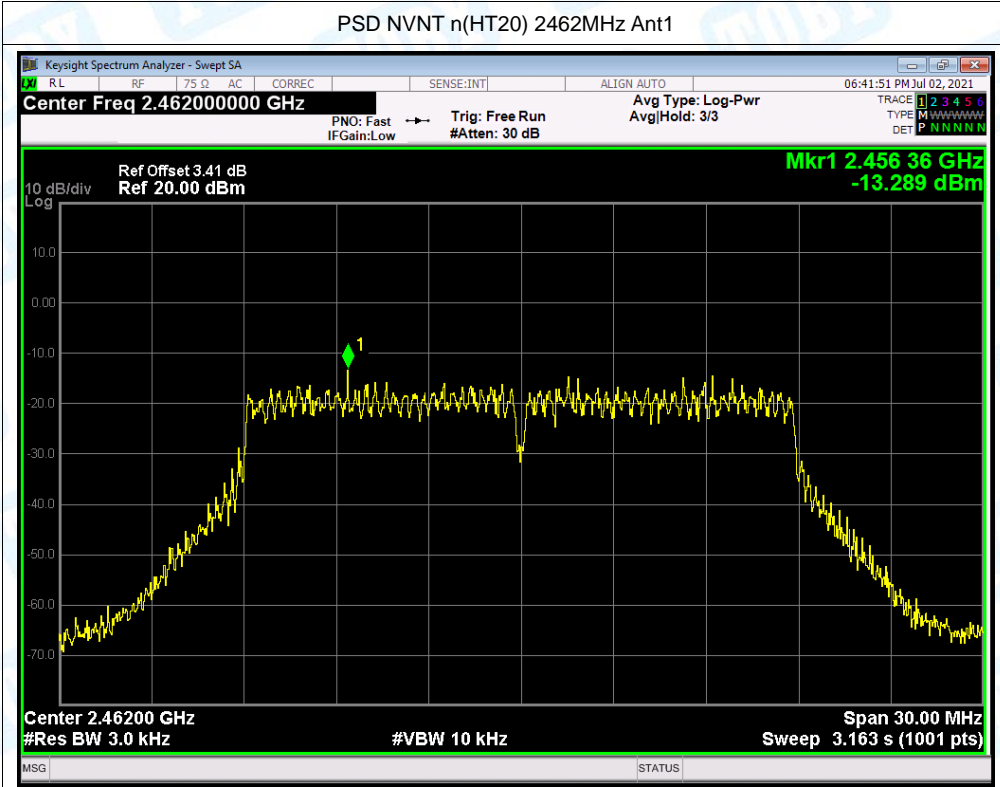




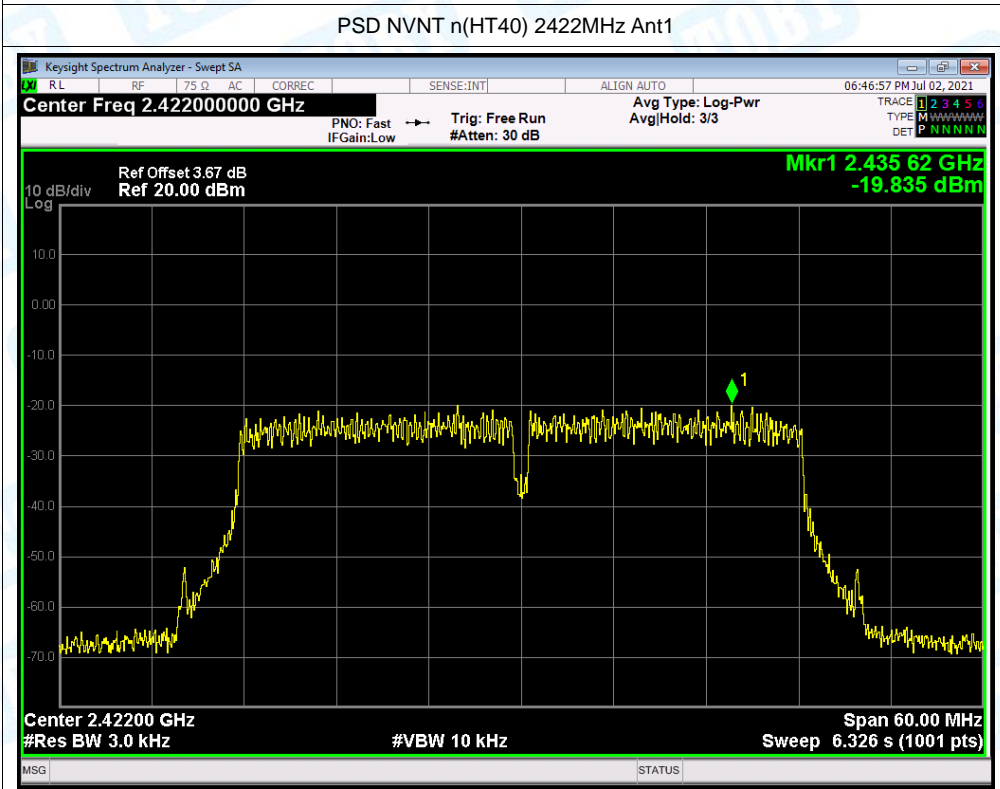




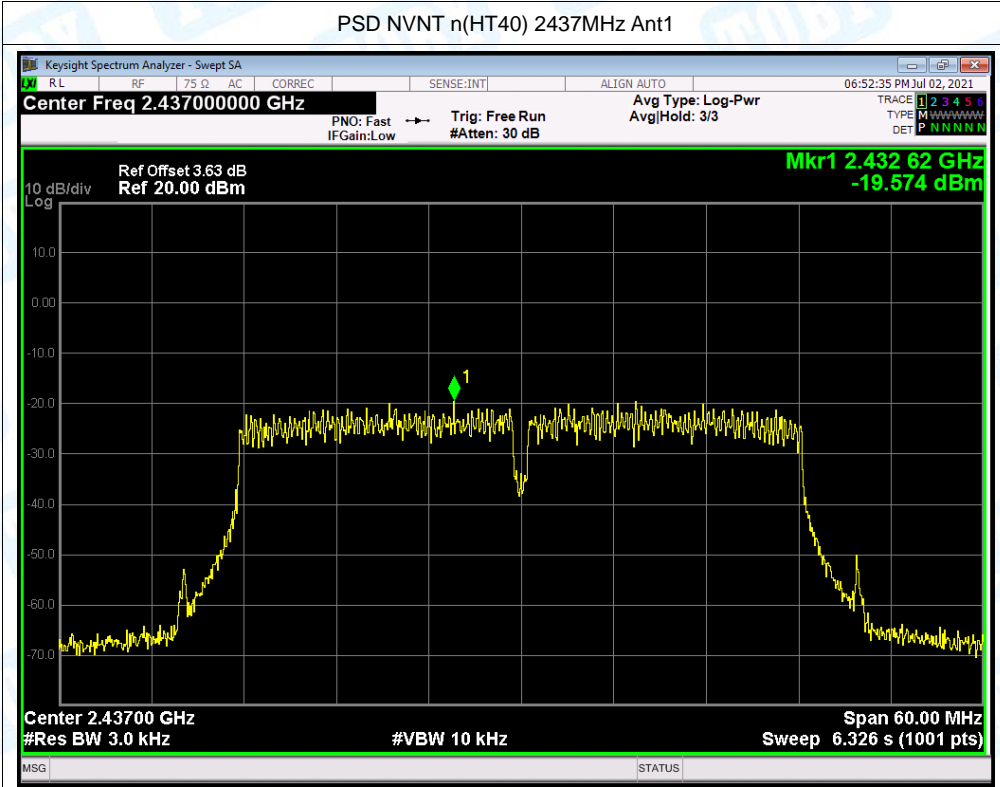
PSD NVNT n(HT20) 2462MHz Ant1



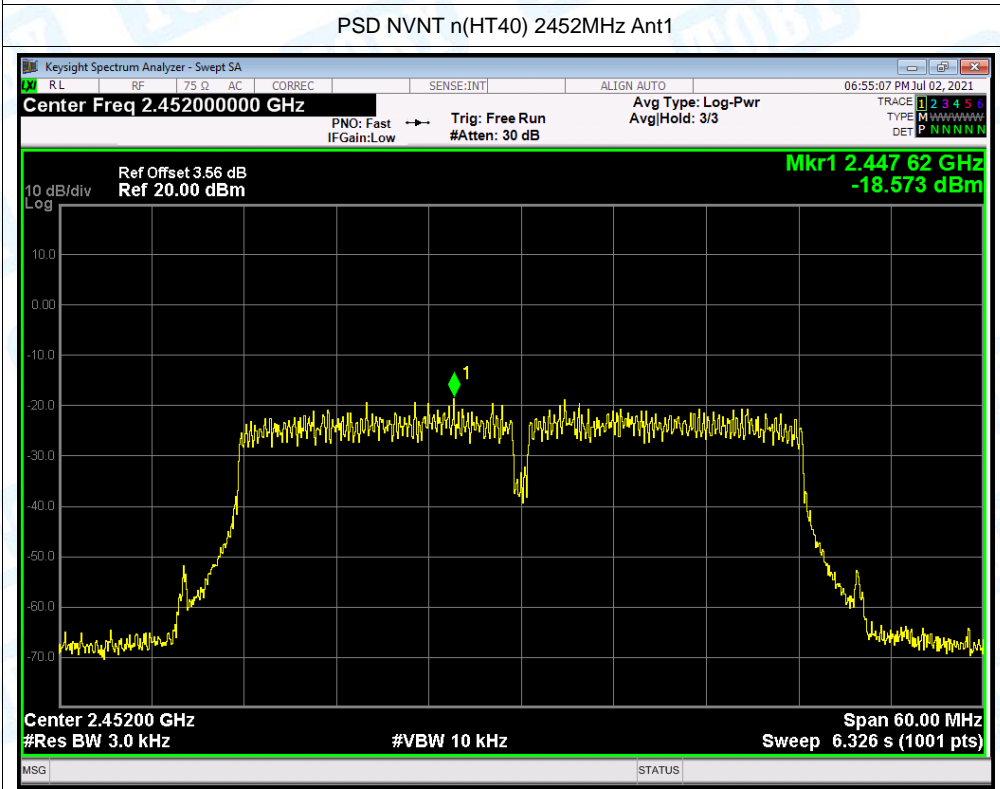
PSD NVNT n(HT40) 2422MHz Ant1



PSD NVNT n(HT40) 2437MHz Ant1



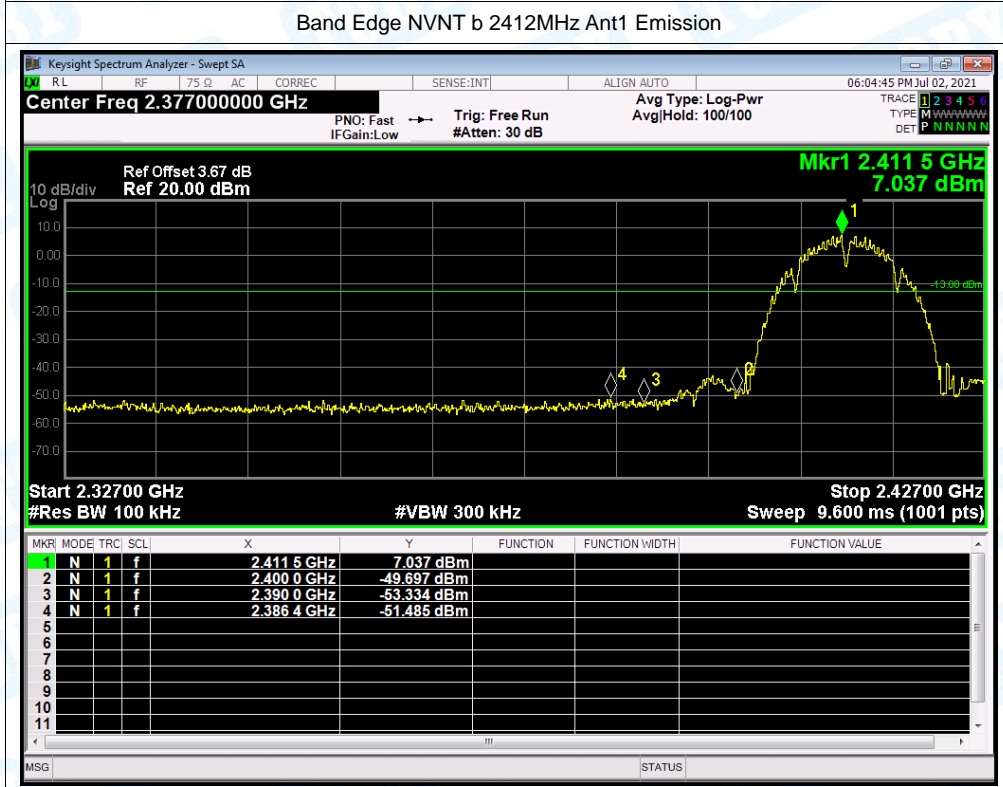
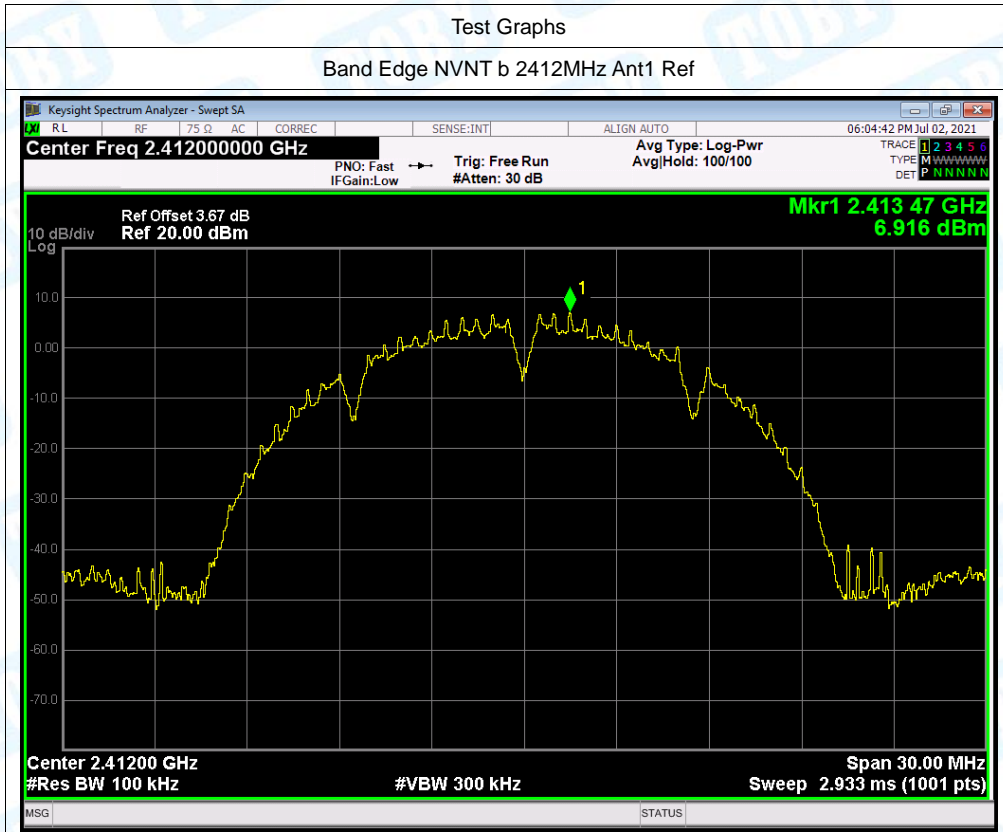
PSD NVNT n(HT40) 2452MHz Ant1



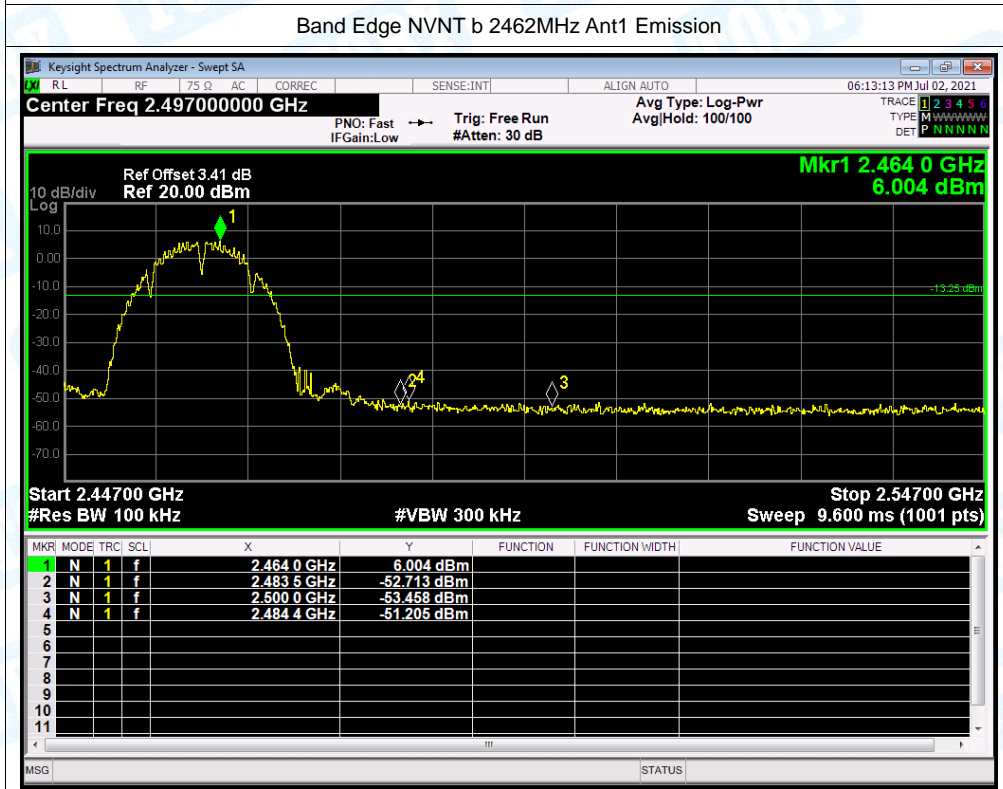
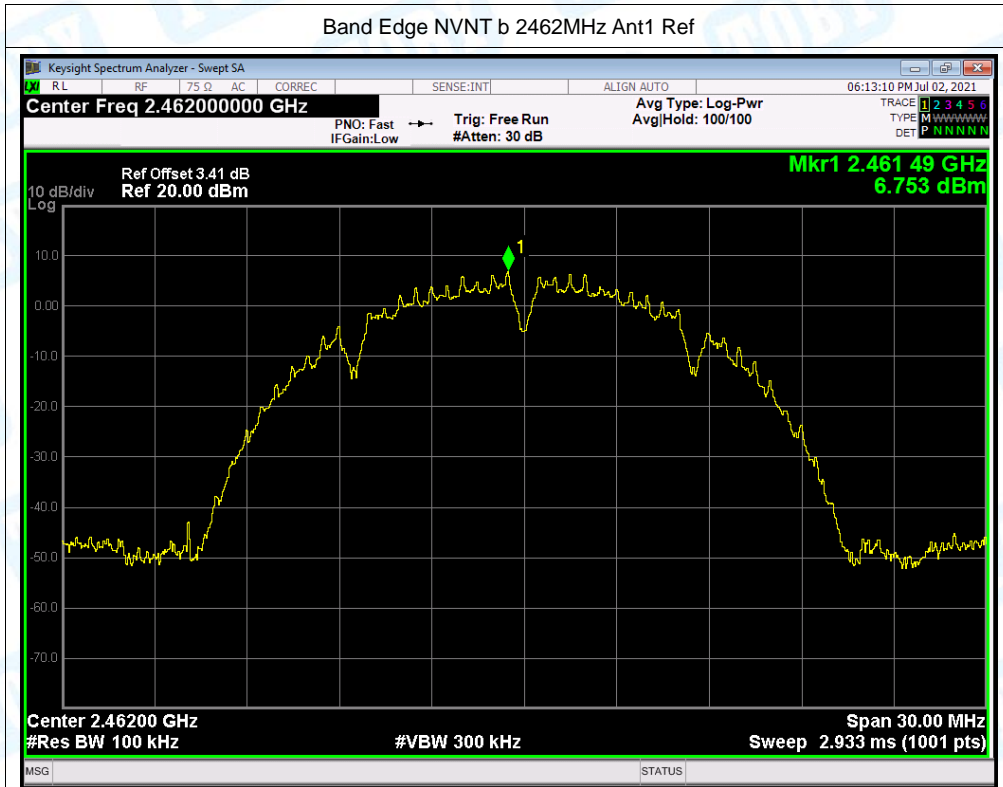


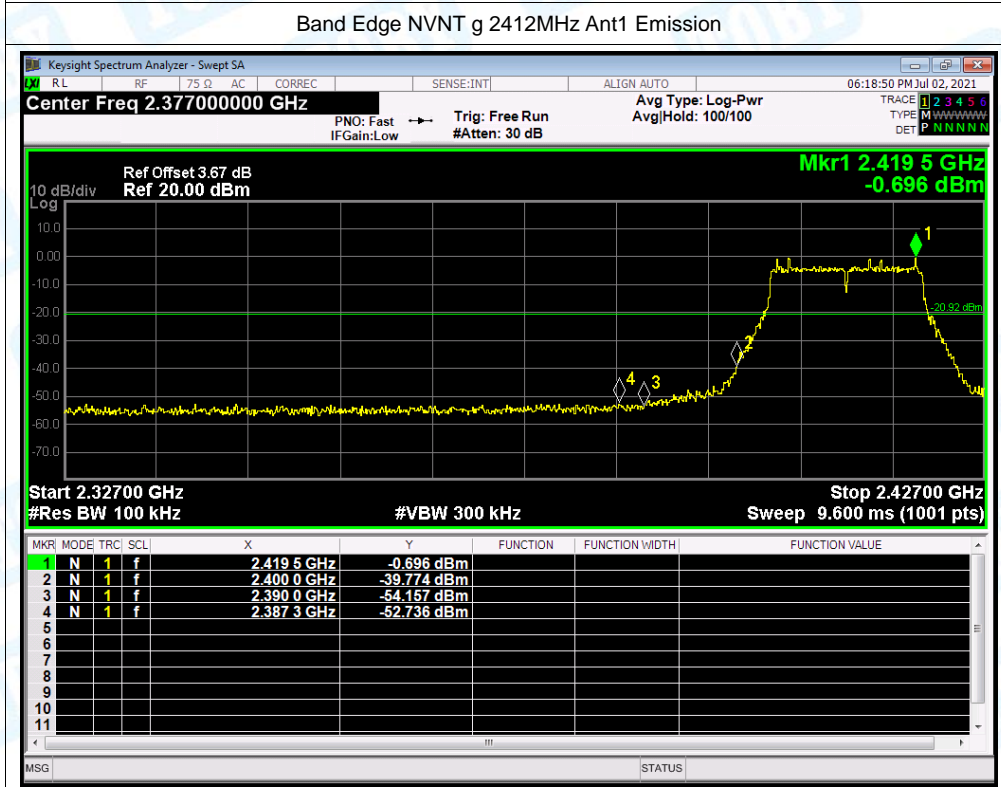
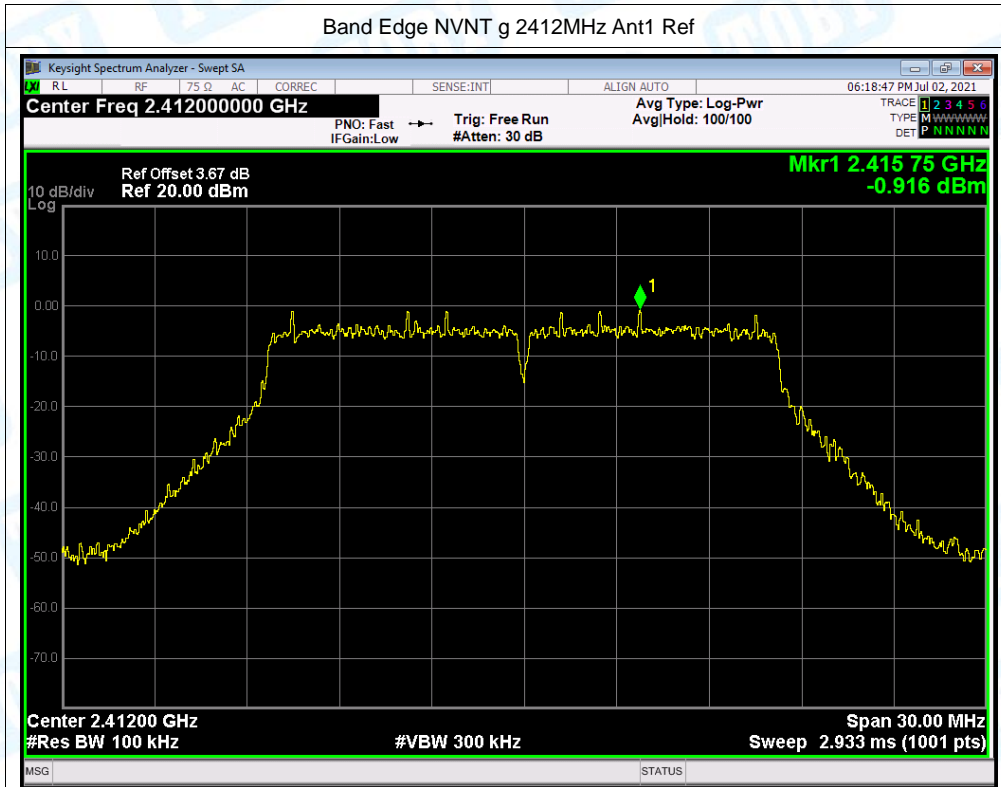
## 5. Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-58.4	-20	Pass
NVNT	b	2462	Ant1	-57.95	-20	Pass
NVNT	g	2412	Ant1	-51.81	-20	Pass
NVNT	g	2462	Ant1	-50.53	-20	Pass
NVNT	n(HT20)	2412	Ant1	-51.03	-20	Pass
NVNT	n(HT20)	2462	Ant1	-50.32	-20	Pass
NVNT	n(HT40)	2422	Ant1	-44.77	-20	Pass
NVNT	n(HT40)	2452	Ant1	-44.76	-20	Pass

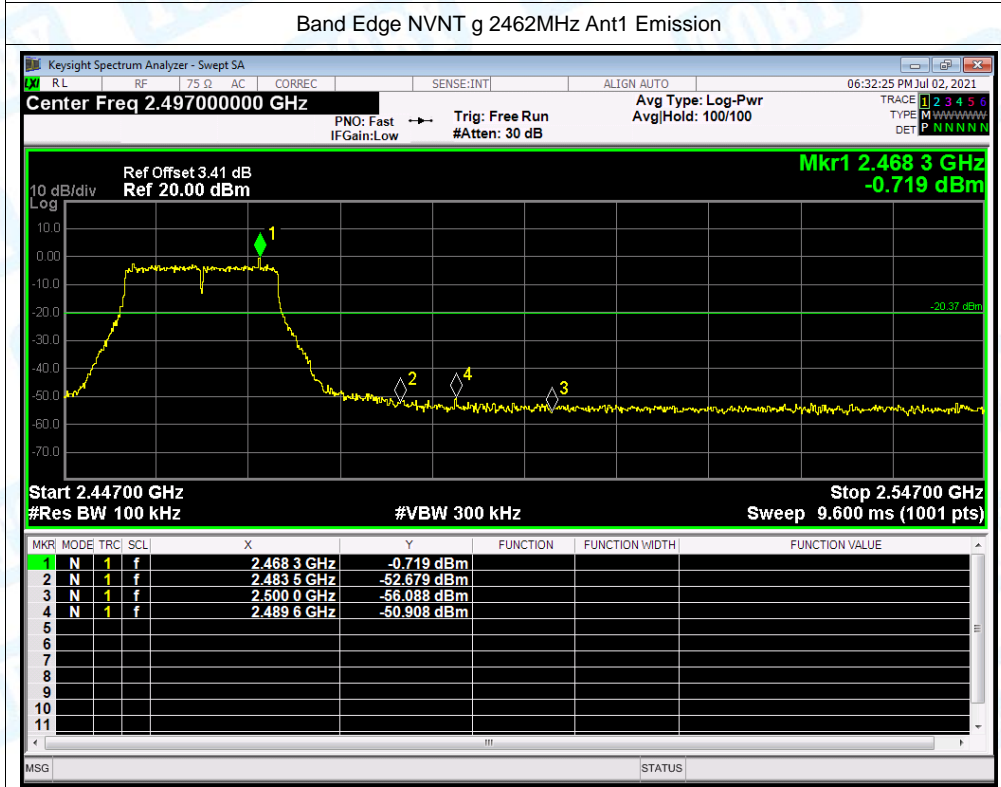
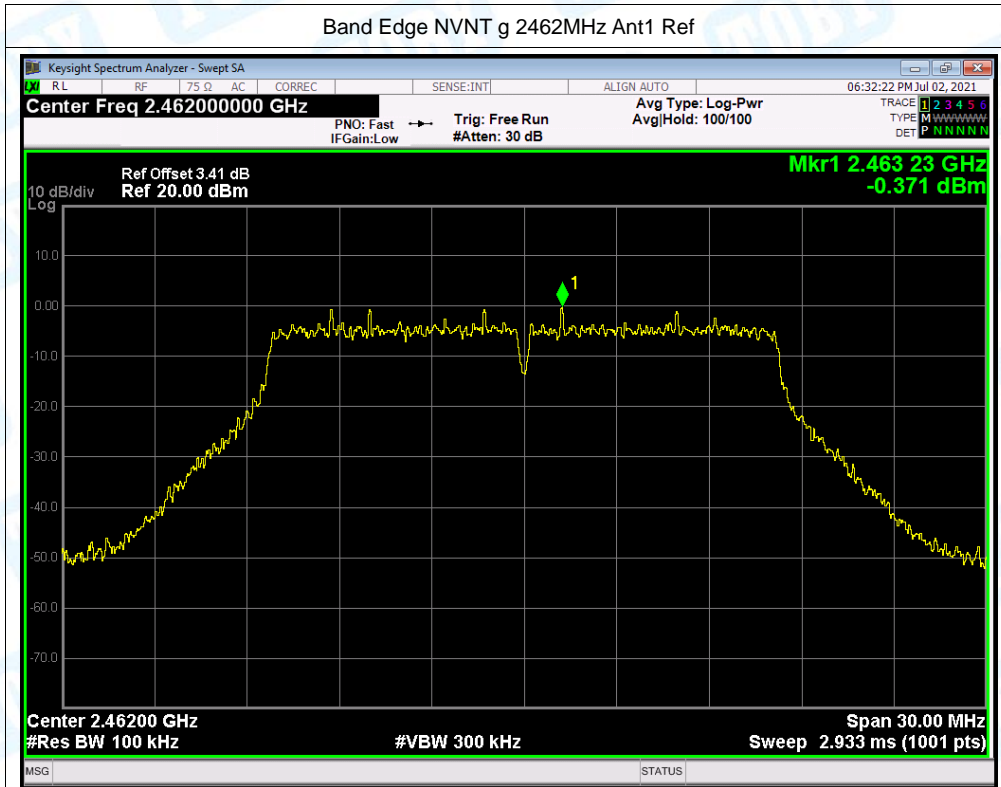


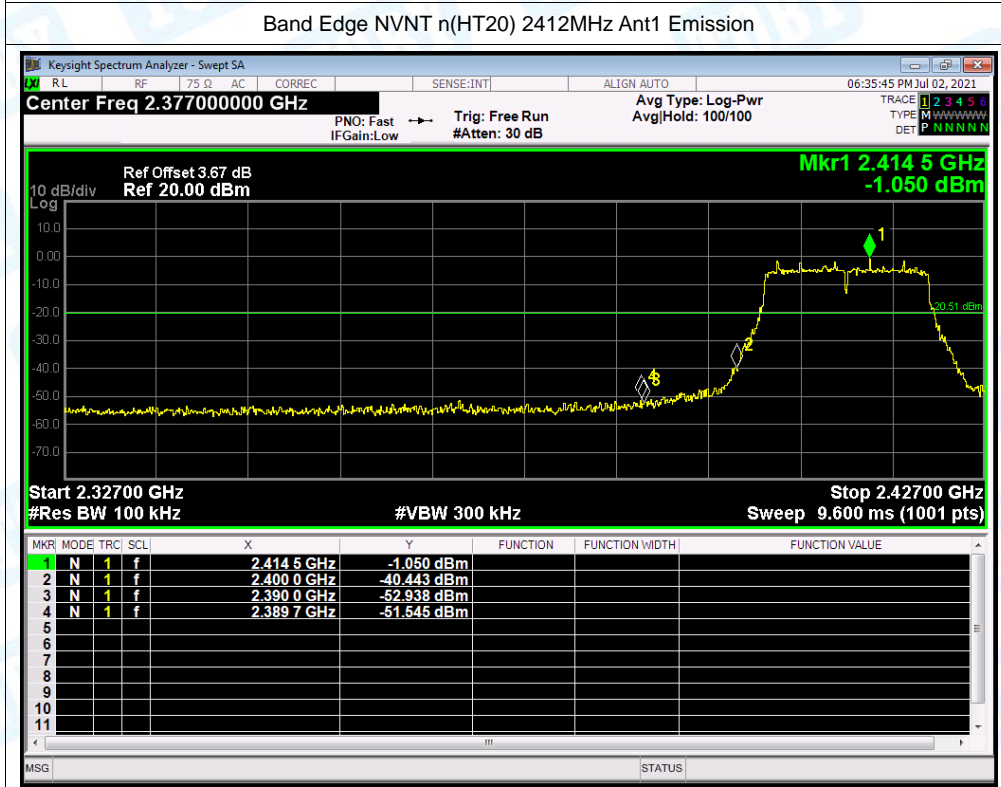
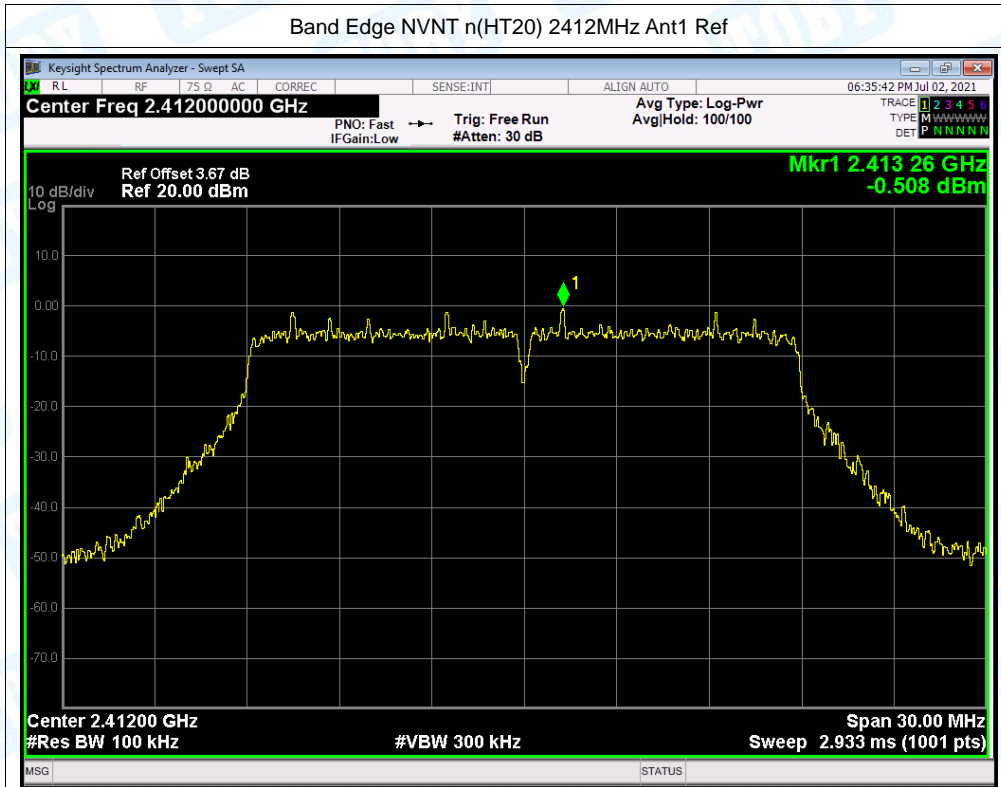




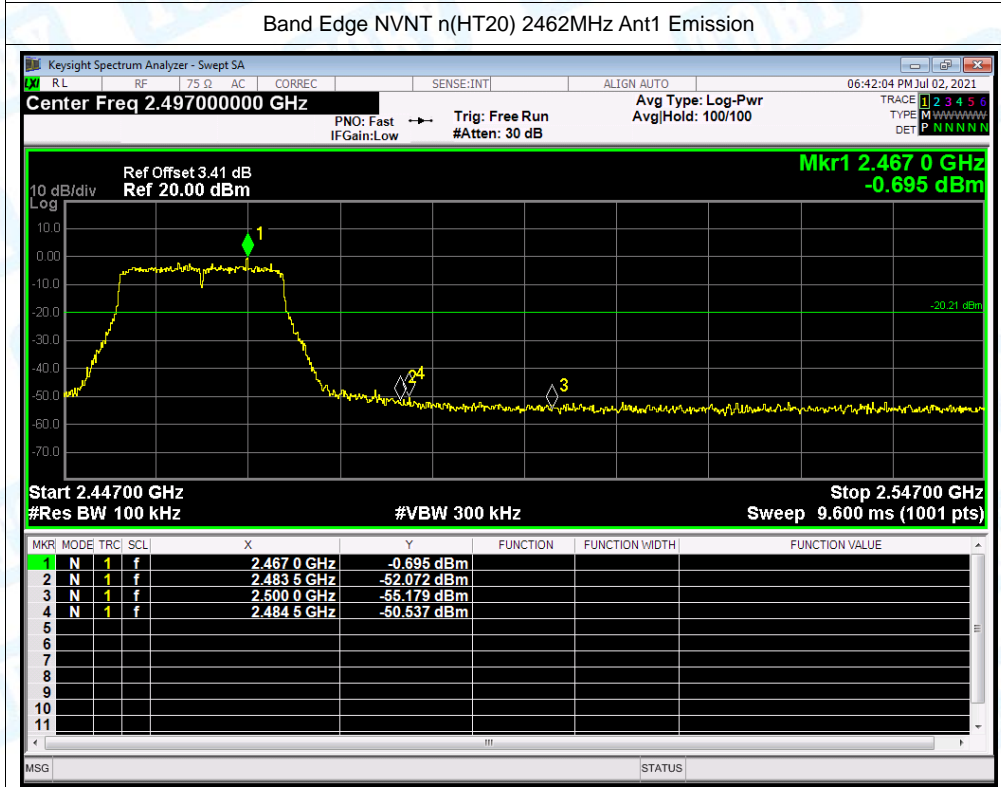
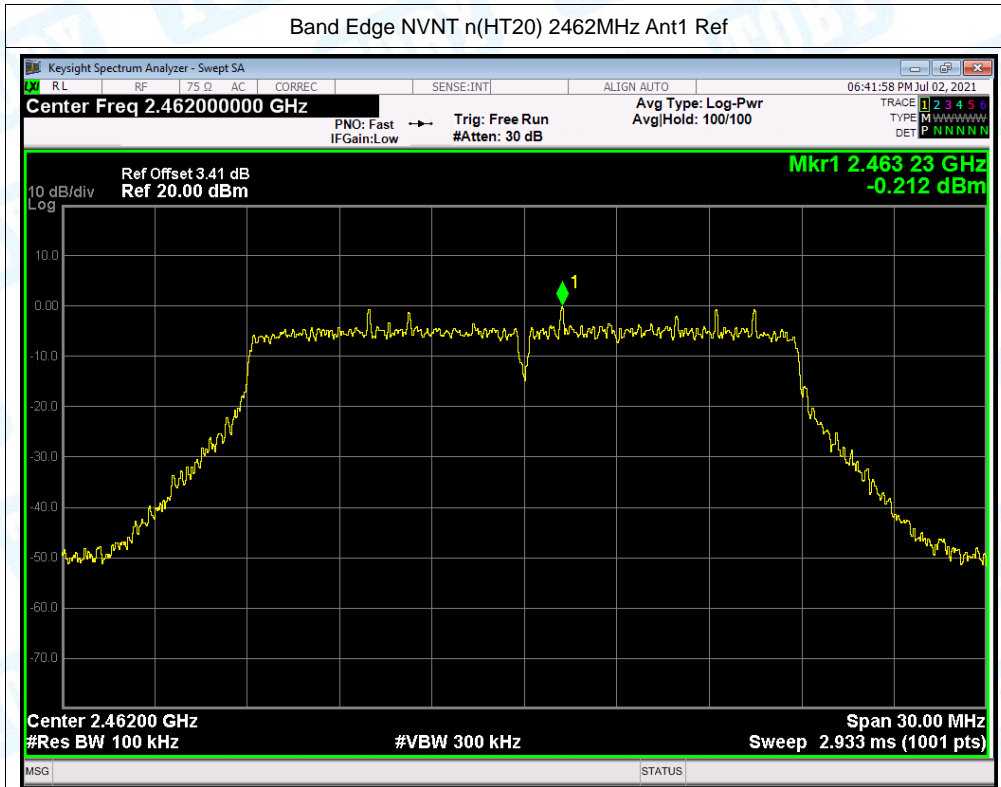


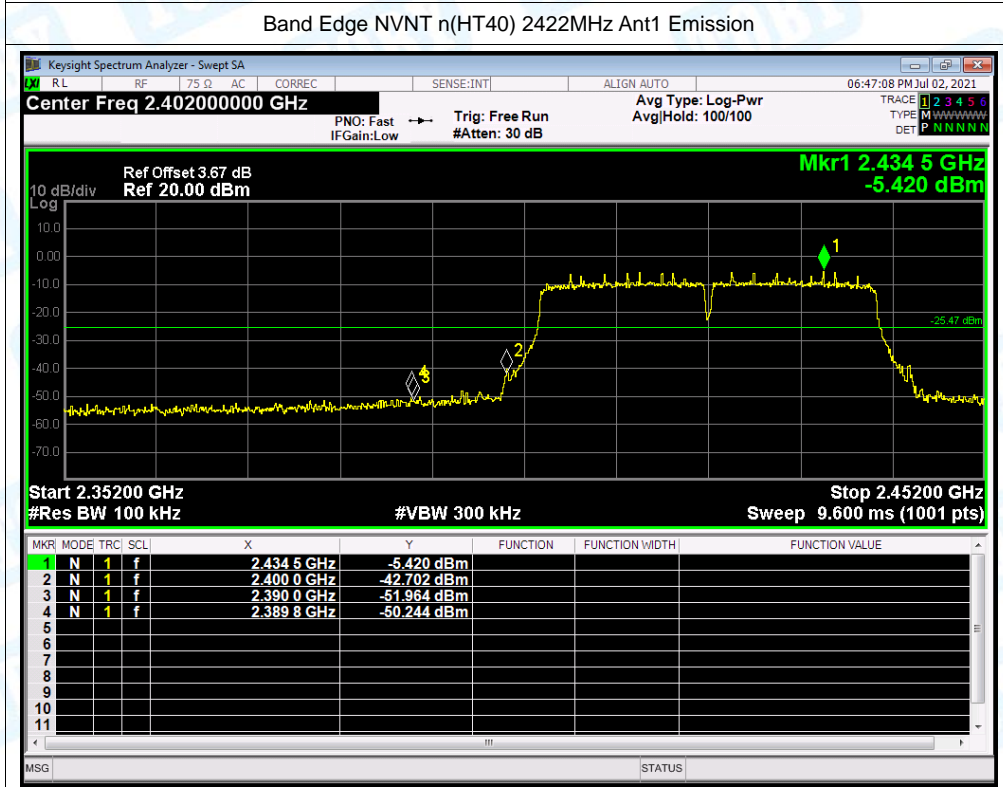
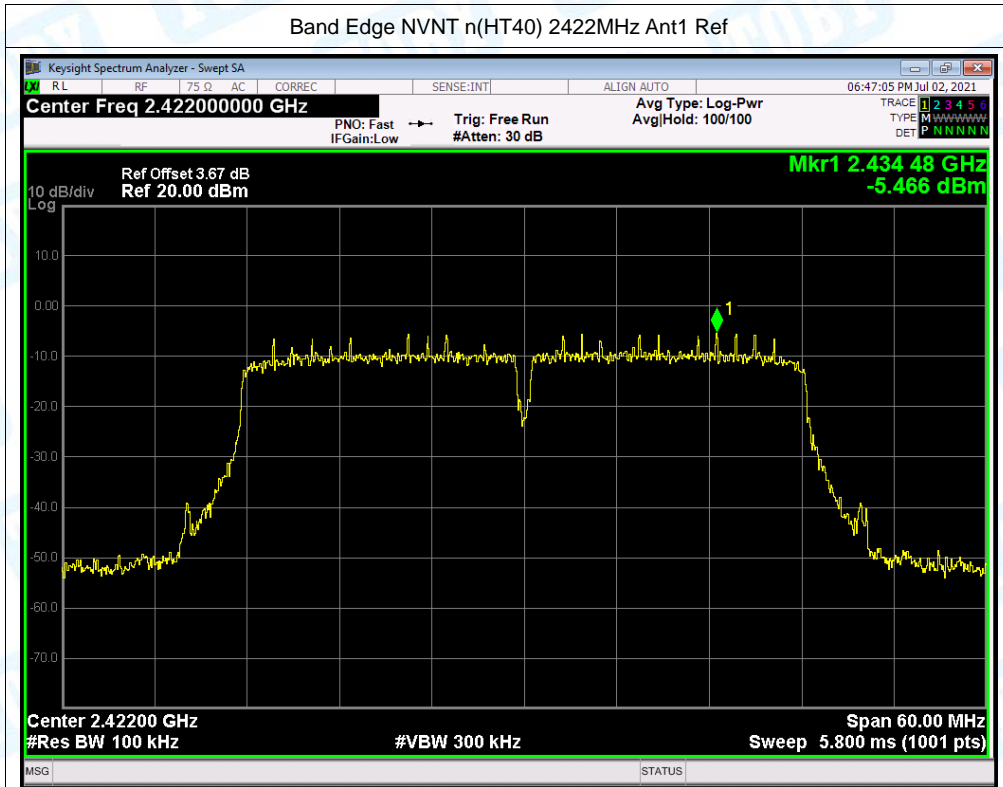




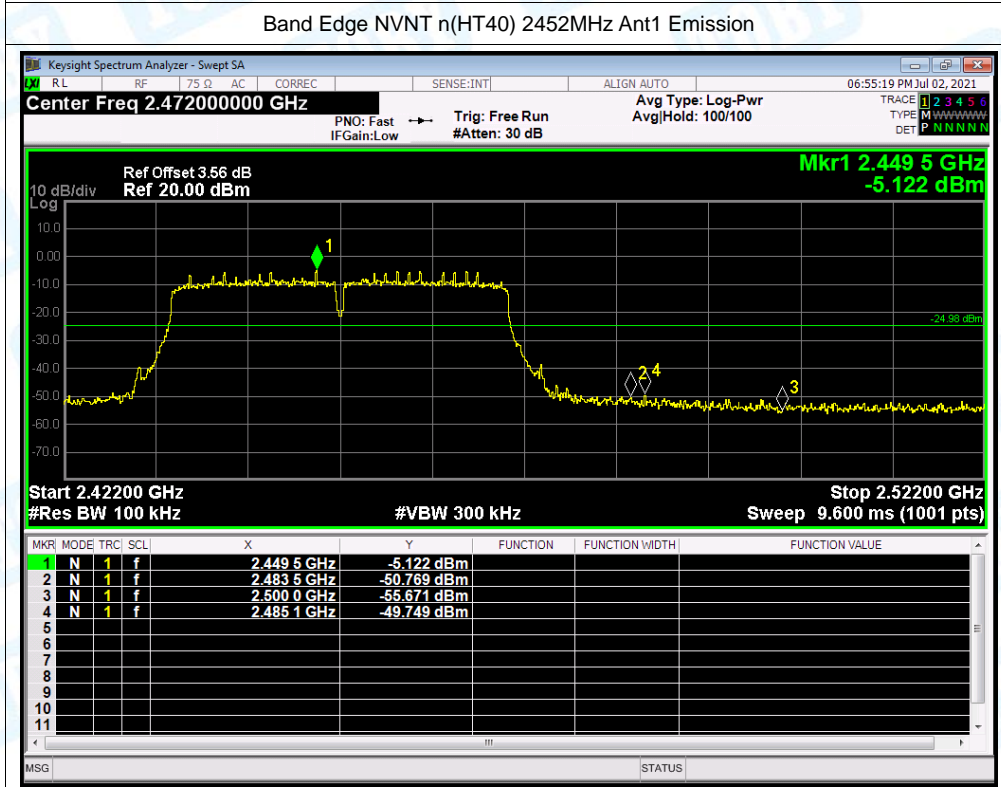
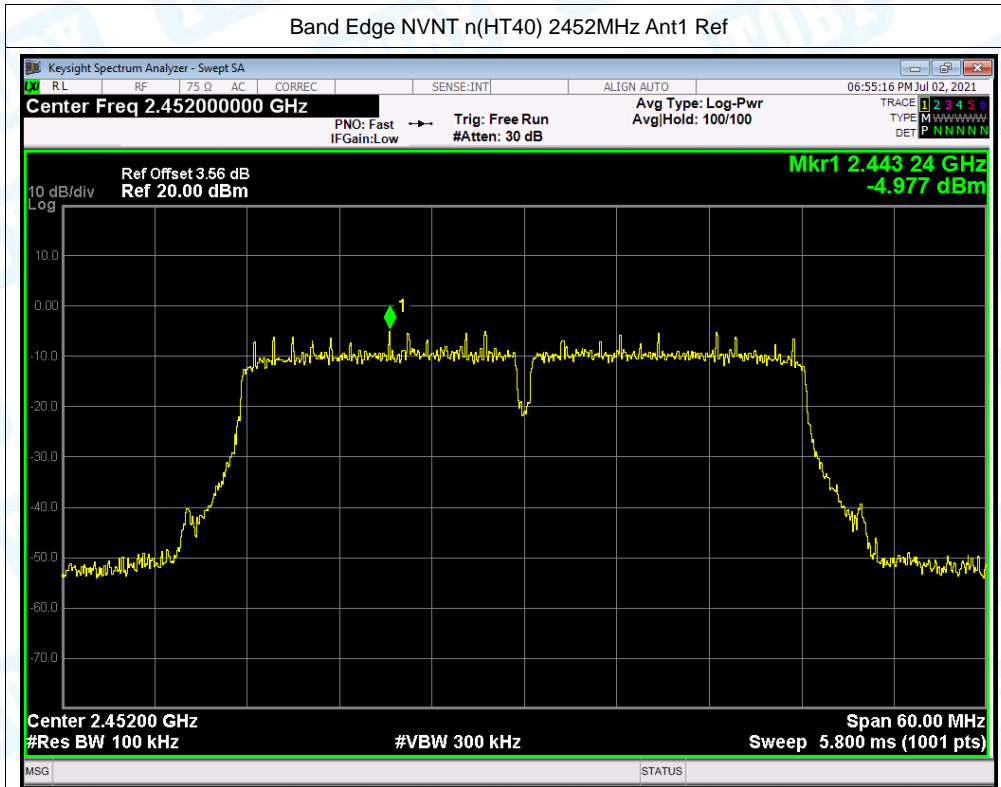








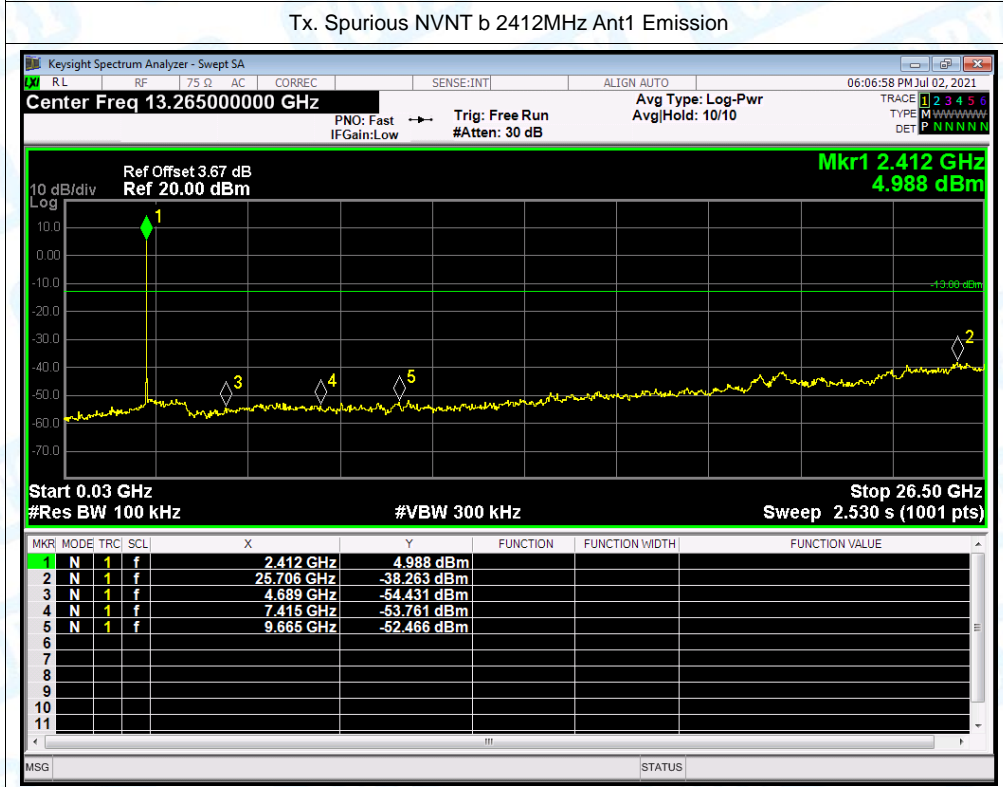
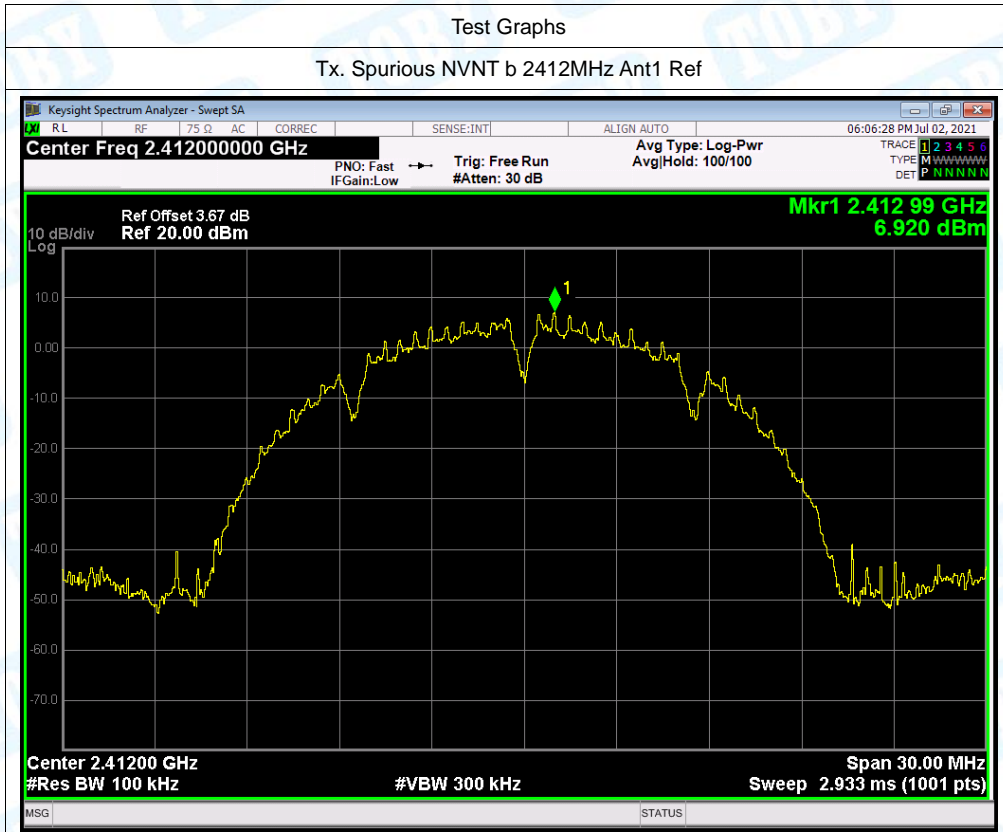




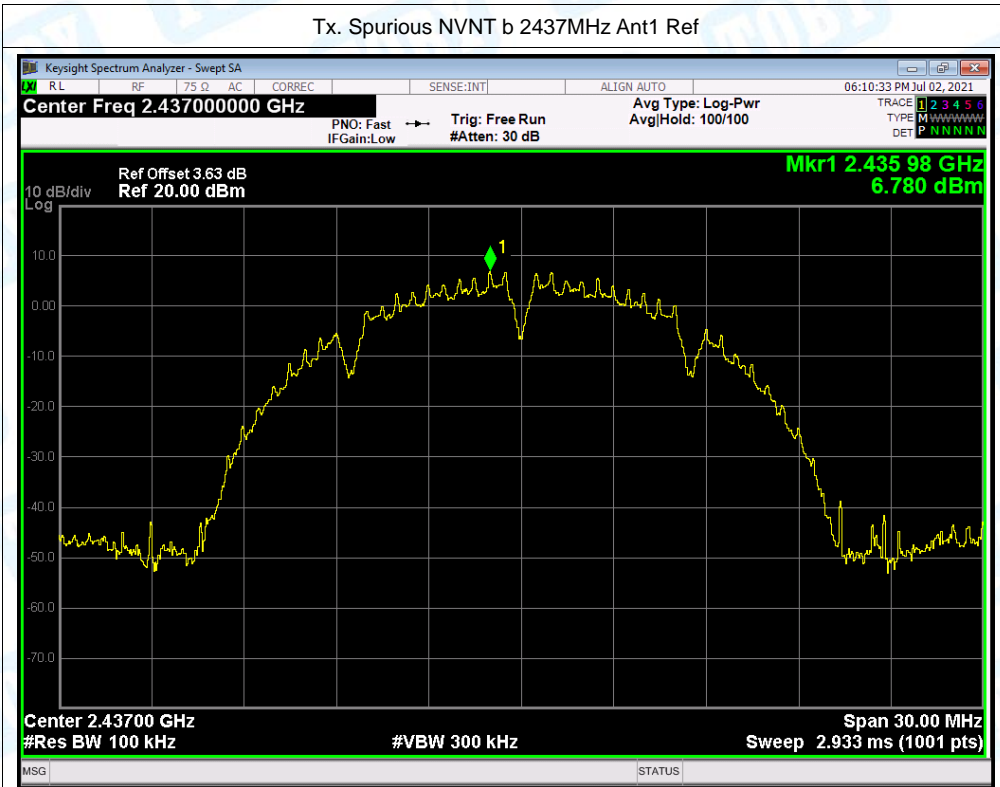
## 6. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-45.18	-20	Pass
NVNT	b	2437	Ant1	-45.98	-20	Pass
NVNT	b	2462	Ant1	-45.93	-20	Pass
NVNT	g	2412	Ant1	-38.38	-20	Pass
NVNT	g	2437	Ant1	-38.18	-20	Pass
NVNT	g	2462	Ant1	-38.15	-20	Pass
NVNT	n(HT20)	2412	Ant1	-37.47	-20	Pass
NVNT	n(HT20)	2437	Ant1	-38.54	-20	Pass
NVNT	n(HT20)	2462	Ant1	-38.44	-20	Pass
NVNT	n(HT40)	2422	Ant1	-31.97	-20	Pass
NVNT	n(HT40)	2437	Ant1	-33.72	-20	Pass
NVNT	n(HT40)	2452	Ant1	-33.46	-20	Pass

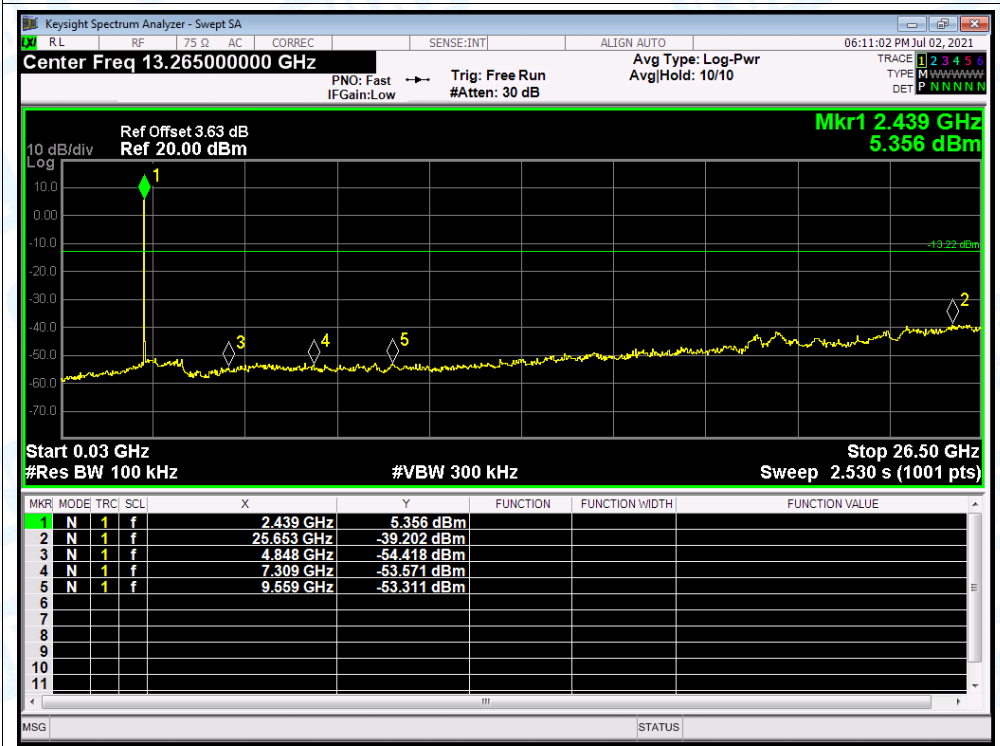




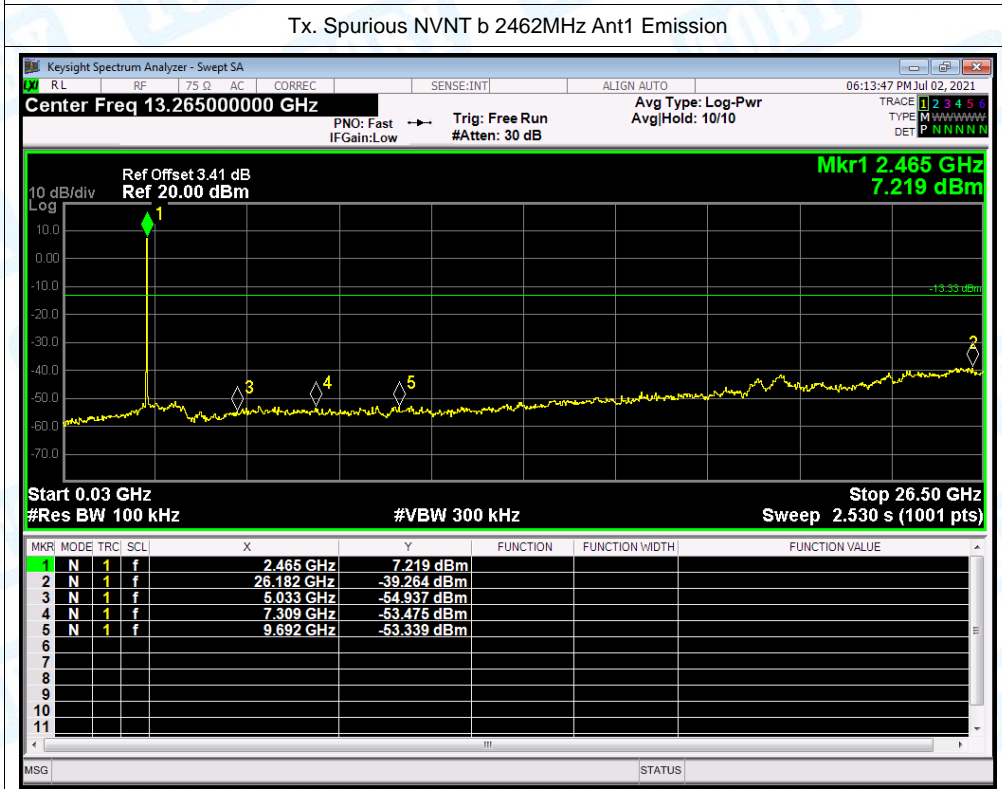
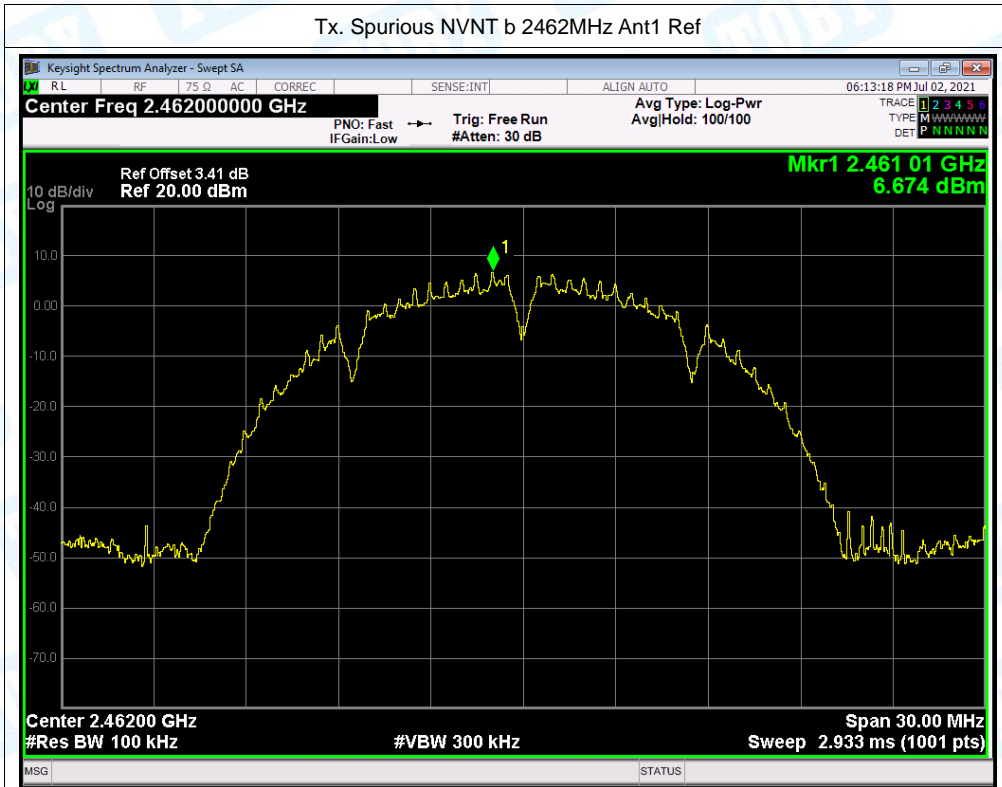
Tx. Spurious NVNT b 2437MHz Ant1 Ref



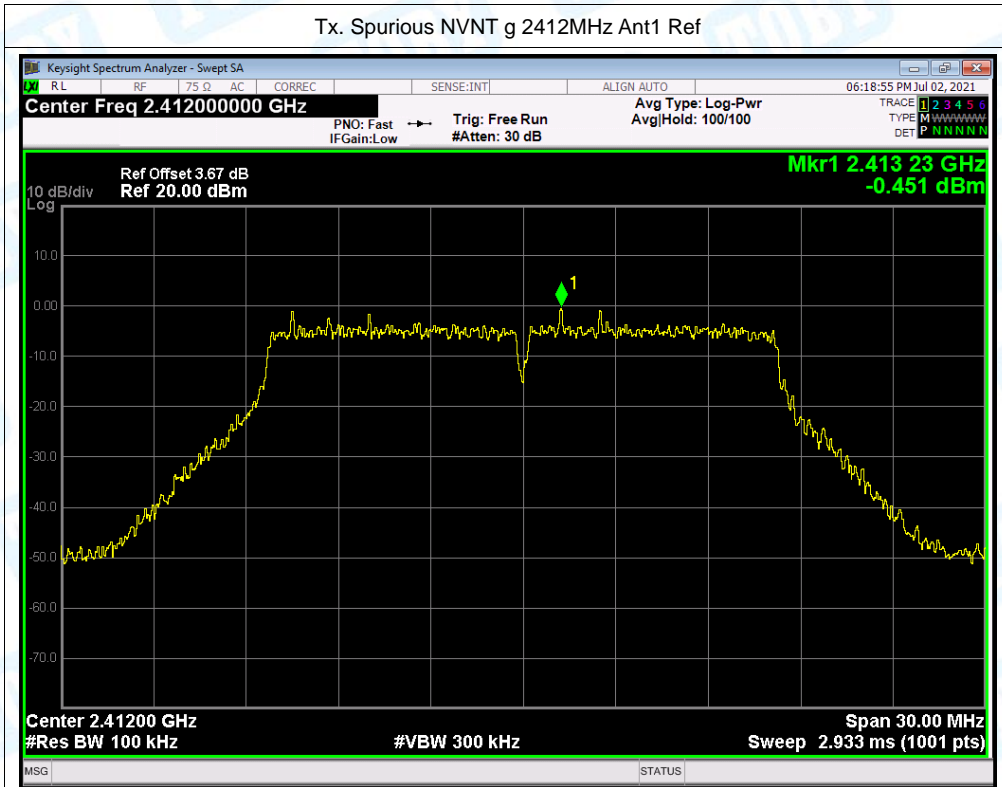
Tx. Spurious NVNT b 2437MHz Ant1 Emission



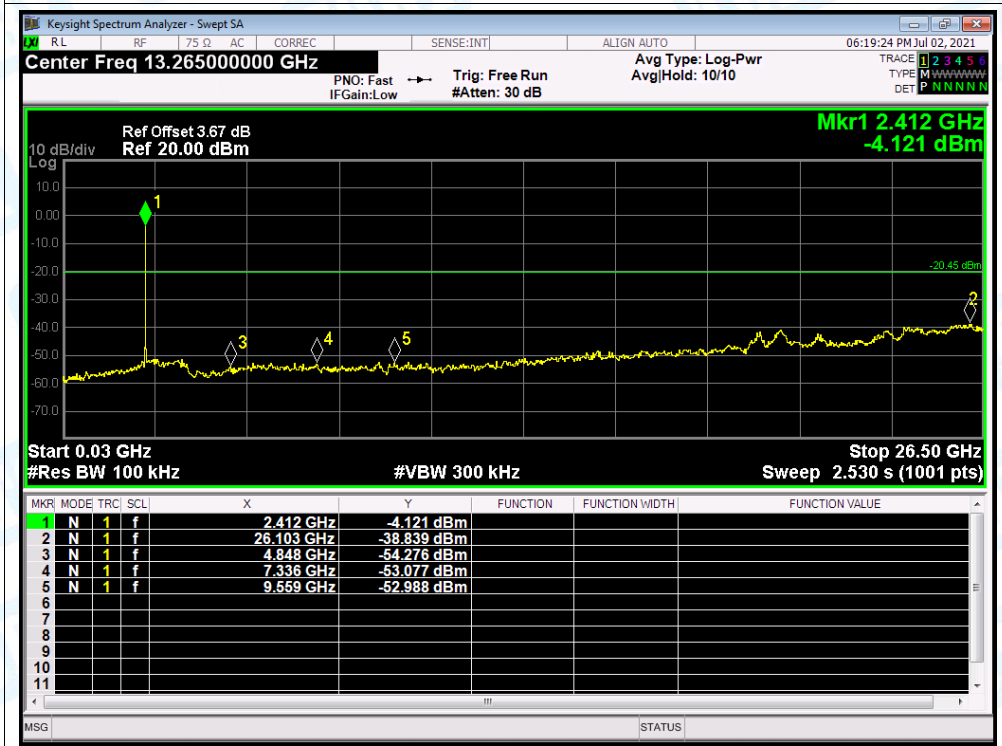




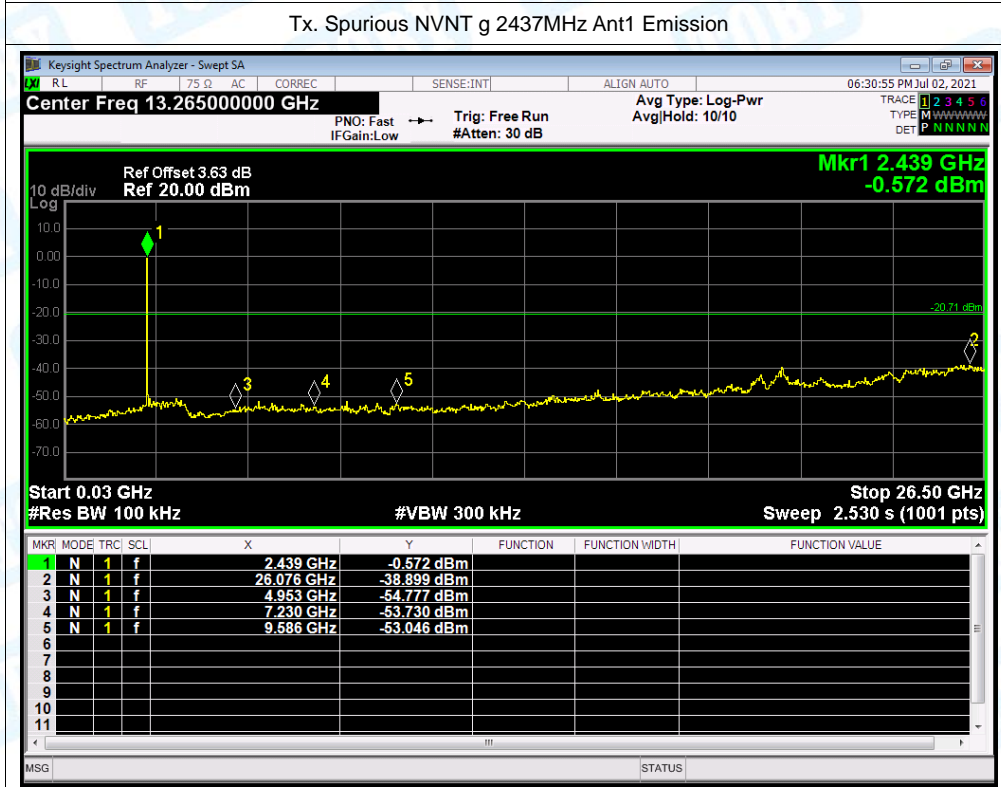
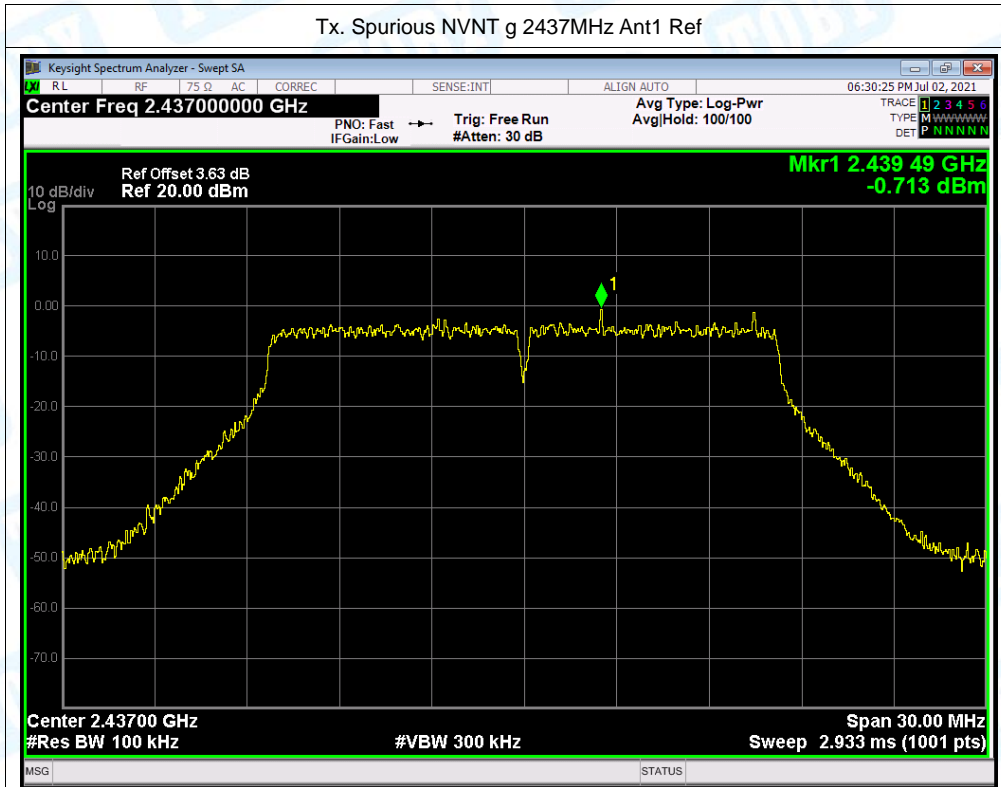
Tx. Spurious NVNT g 2412MHz Ant1 Ref



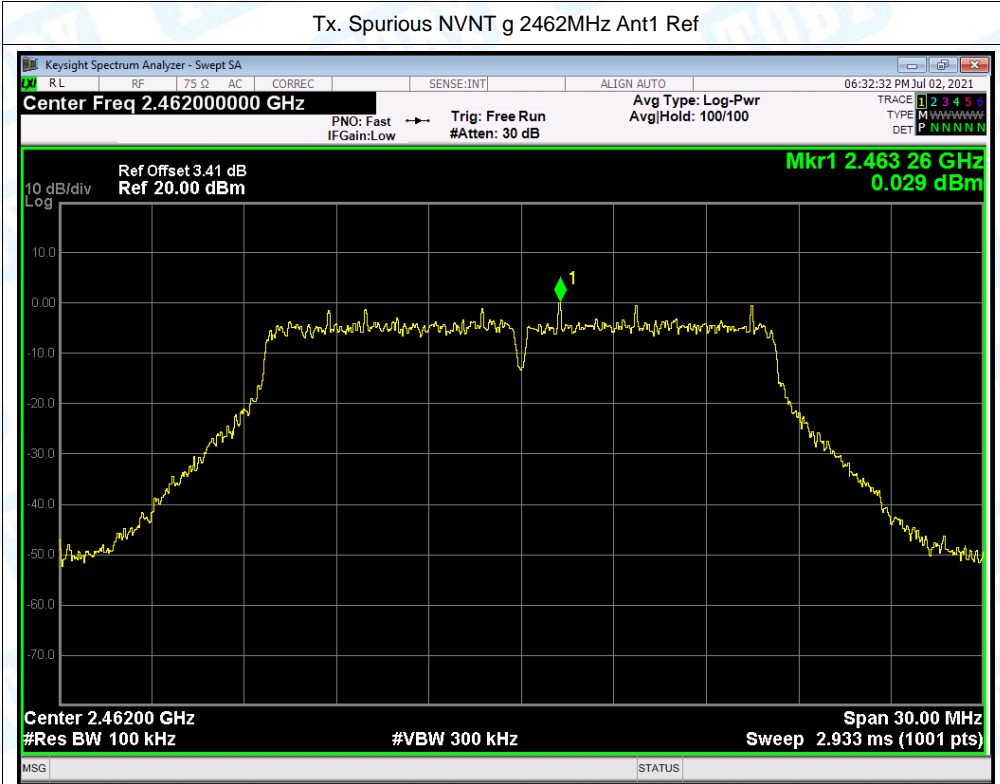
Tx. Spurious NVNT g 2412MHz Ant1 Emission



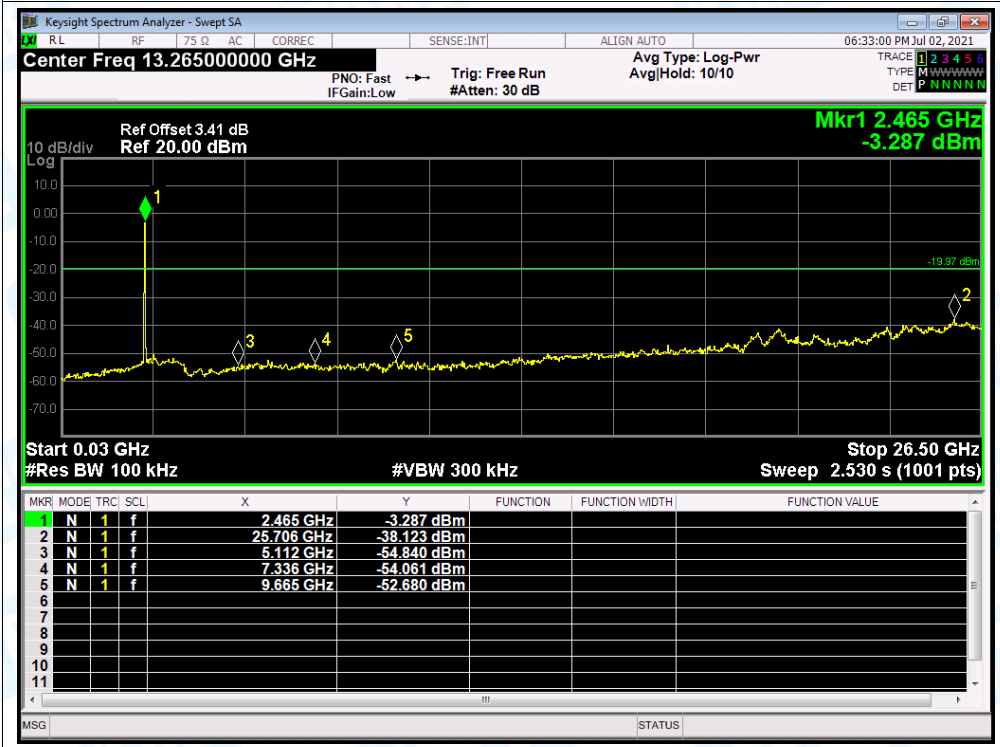




Tx. Spurious NVNT g 2462MHz Ant1 Ref

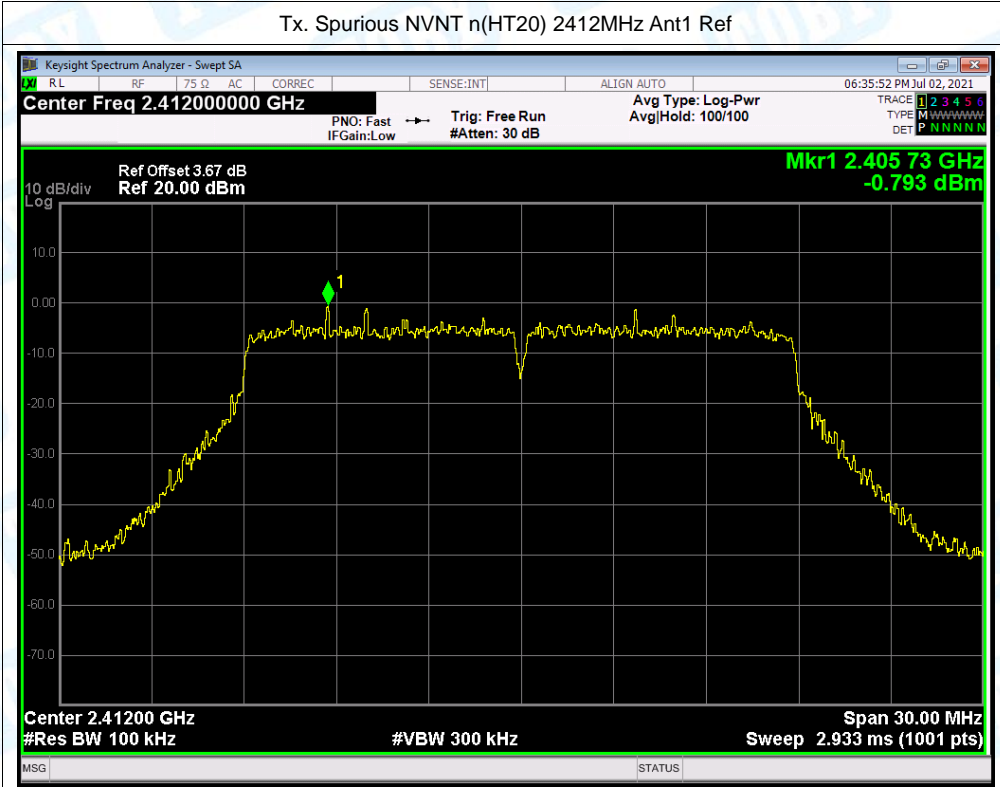


Tx. Spurious NVNT g 2462MHz Ant1 Emission

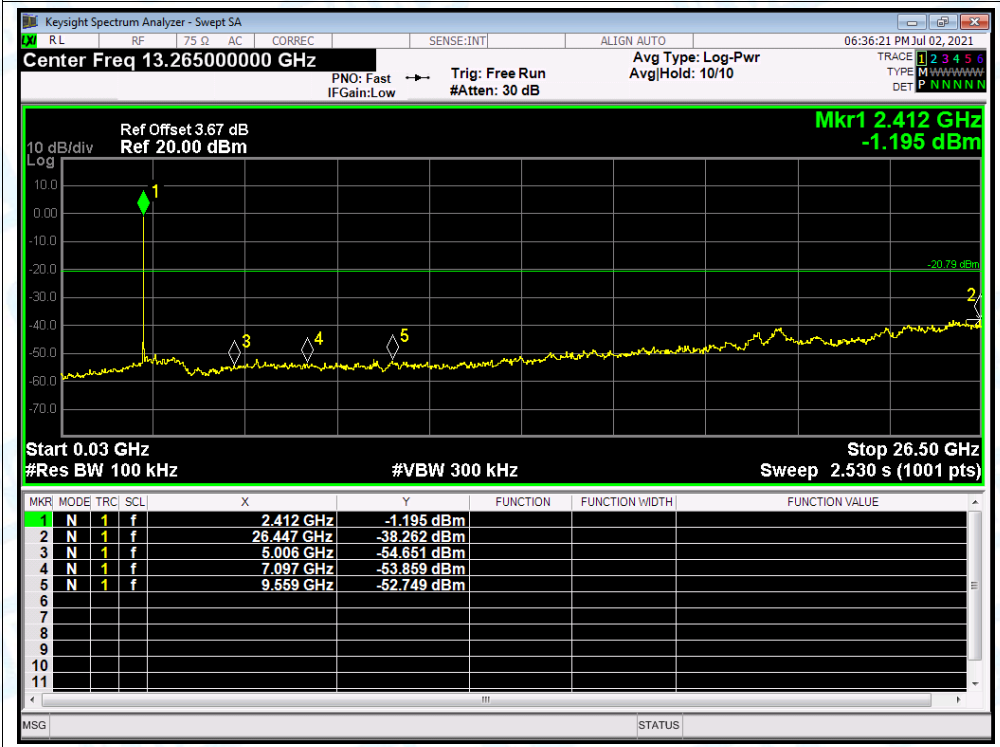




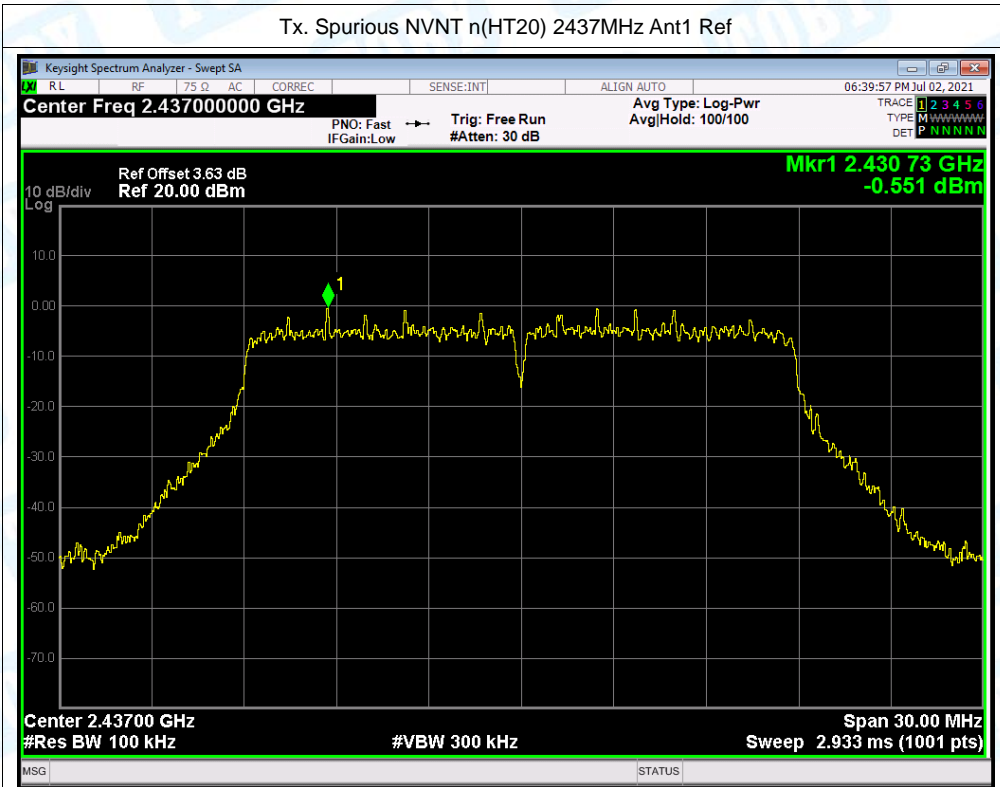
Tx. Spurious NVNT n(HT20) 2412MHz Ant1 Ref



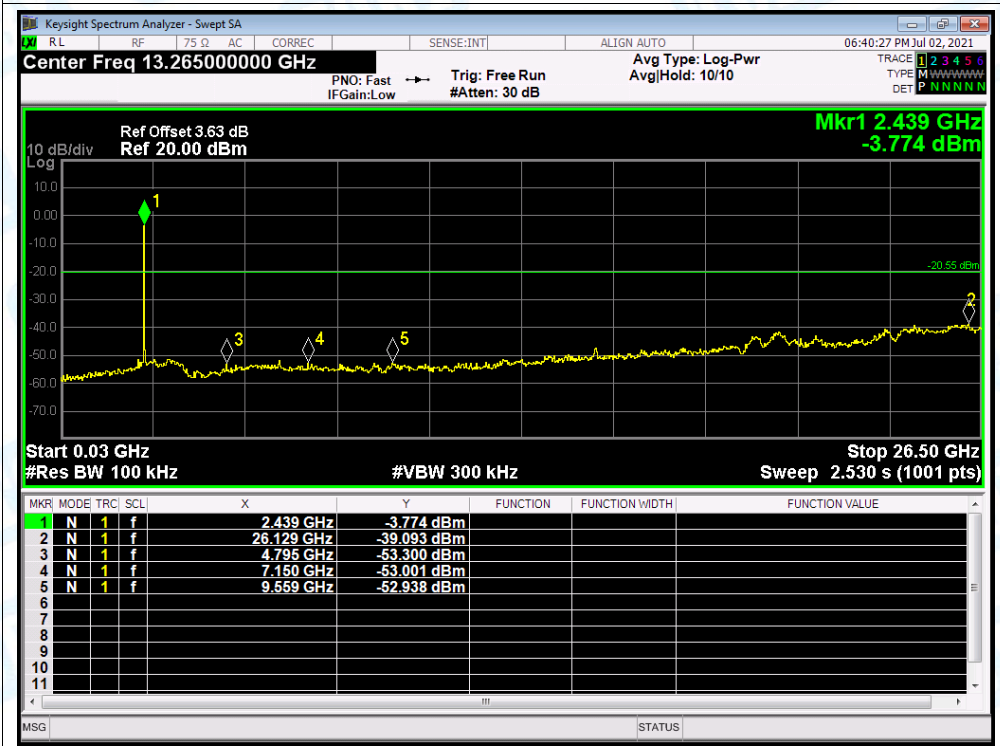
Tx. Spurious NVNT n(HT20) 2412MHz Ant1 Emission



Tx. Spurious NVNT n(HT20) 2437MHz Ant1 Ref

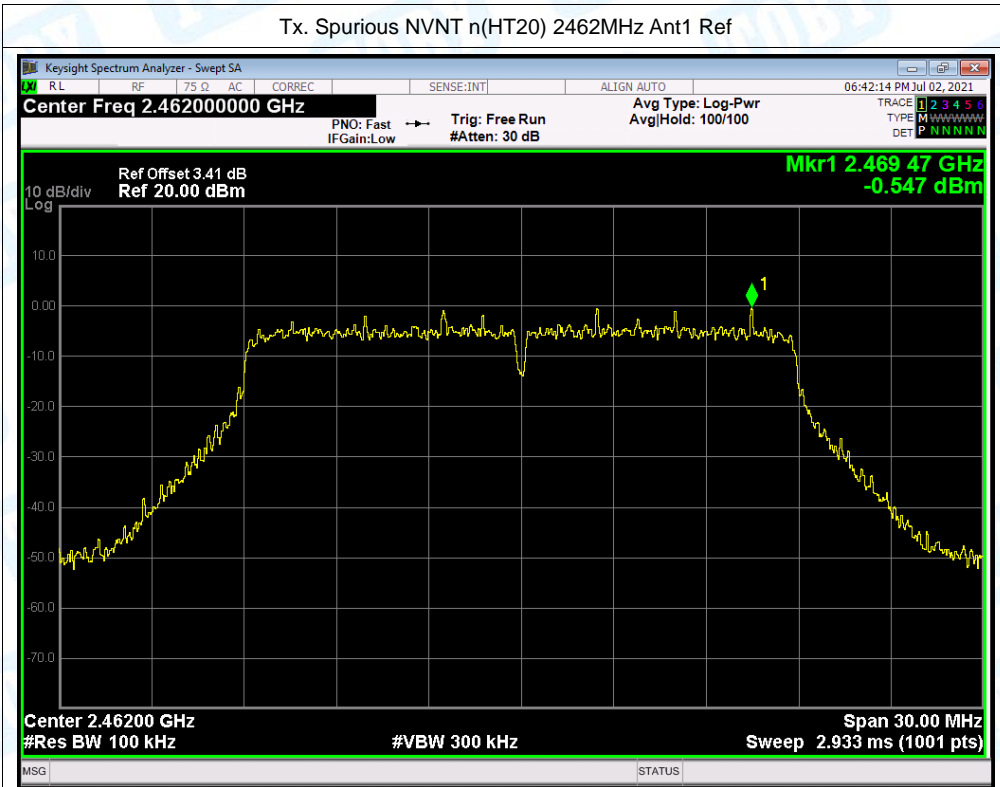


Tx. Spurious NVNT n(HT20) 2437MHz Ant1 Emission

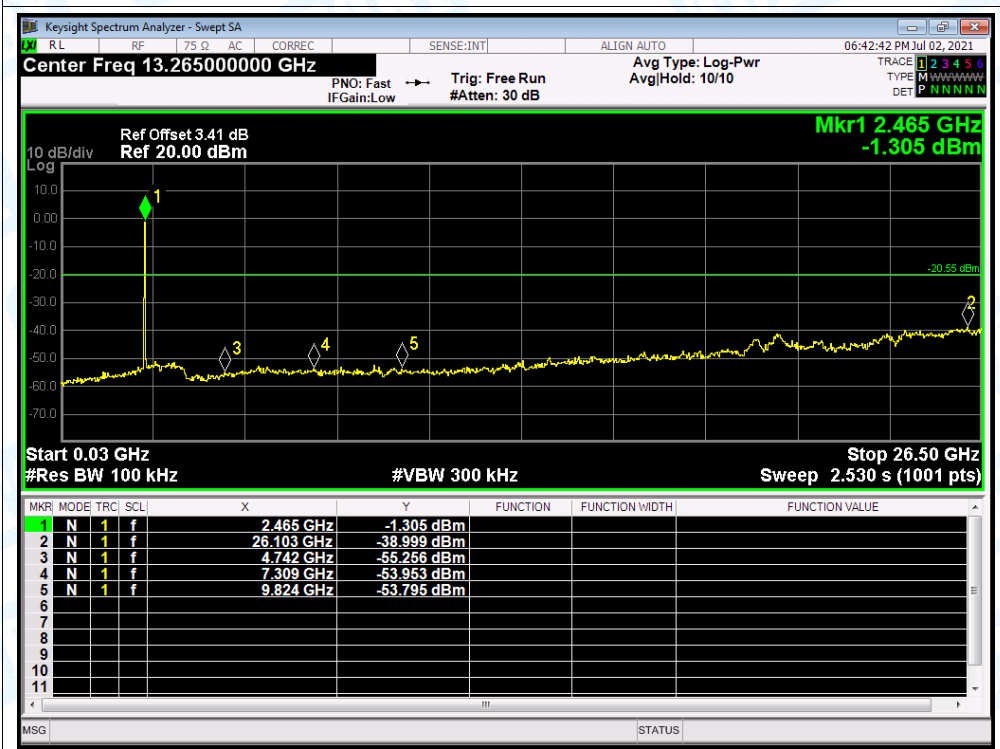




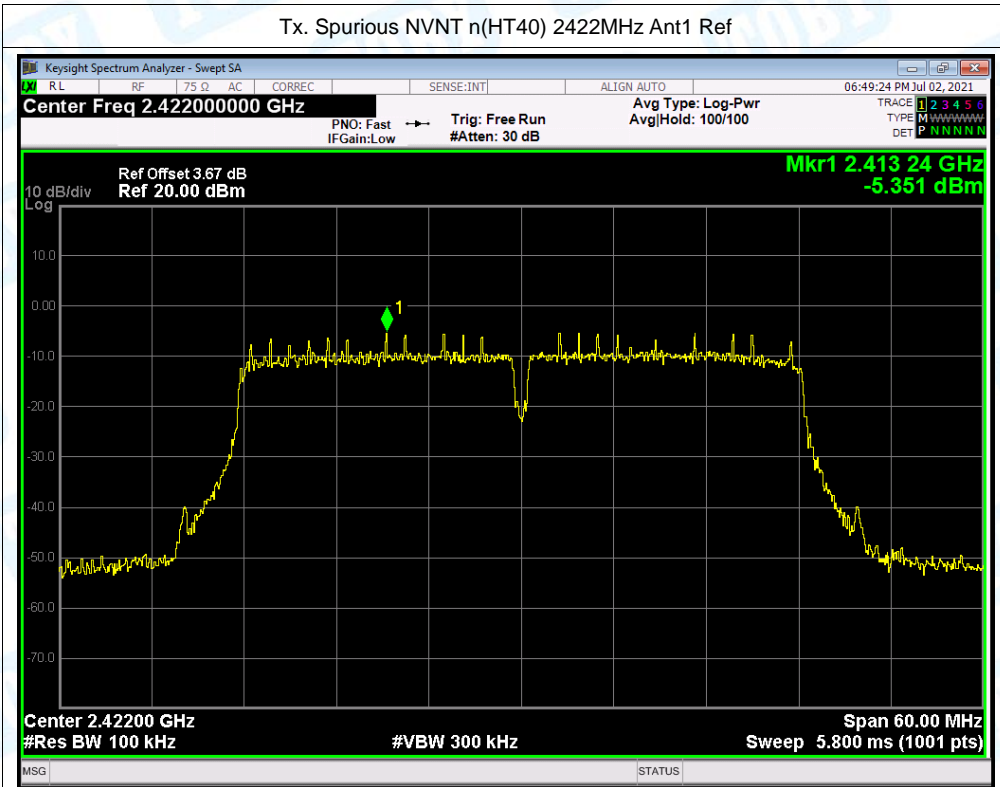
Tx. Spurious NVNT n(HT20) 2462MHz Ant1 Ref



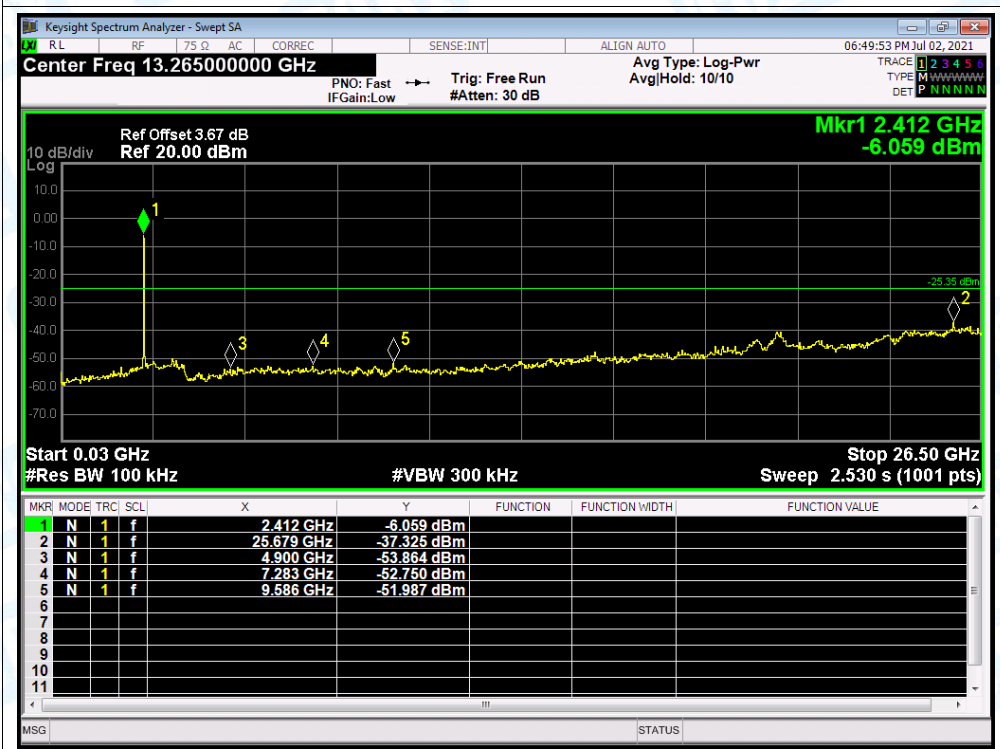
Tx. Spurious NVNT n(HT20) 2462MHz Ant1 Emission



Tx. Spurious NVNT n(HT40) 2422MHz Ant1 Ref

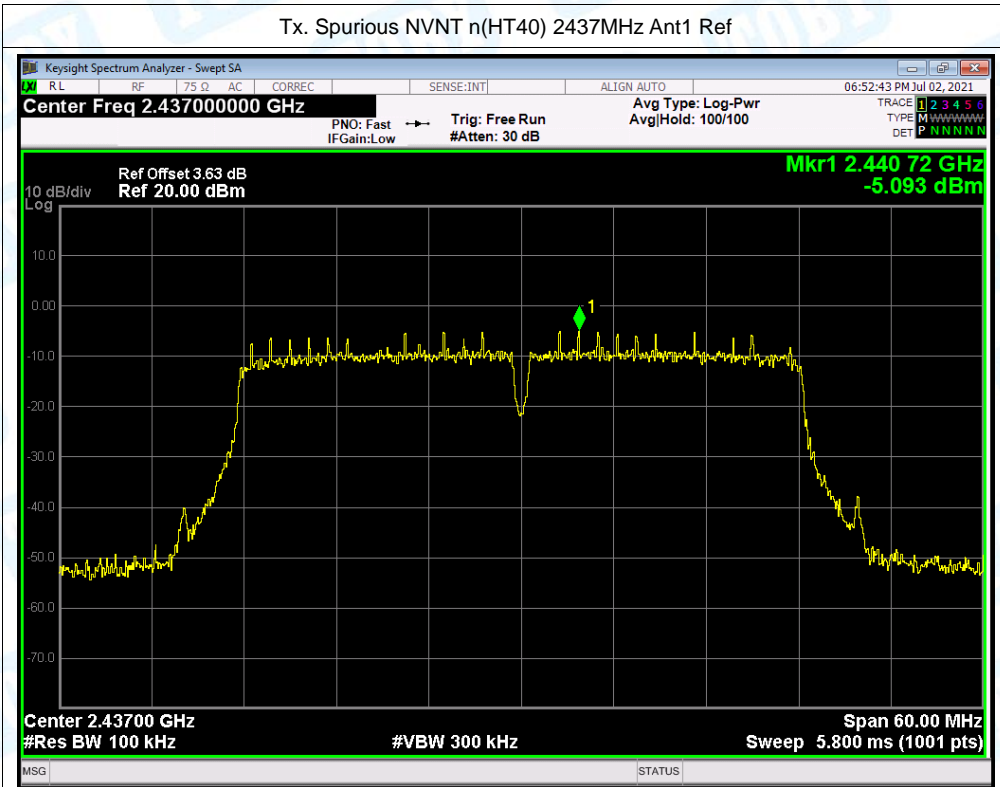


Tx. Spurious NVNT n(HT40) 2422MHz Ant1 Emission

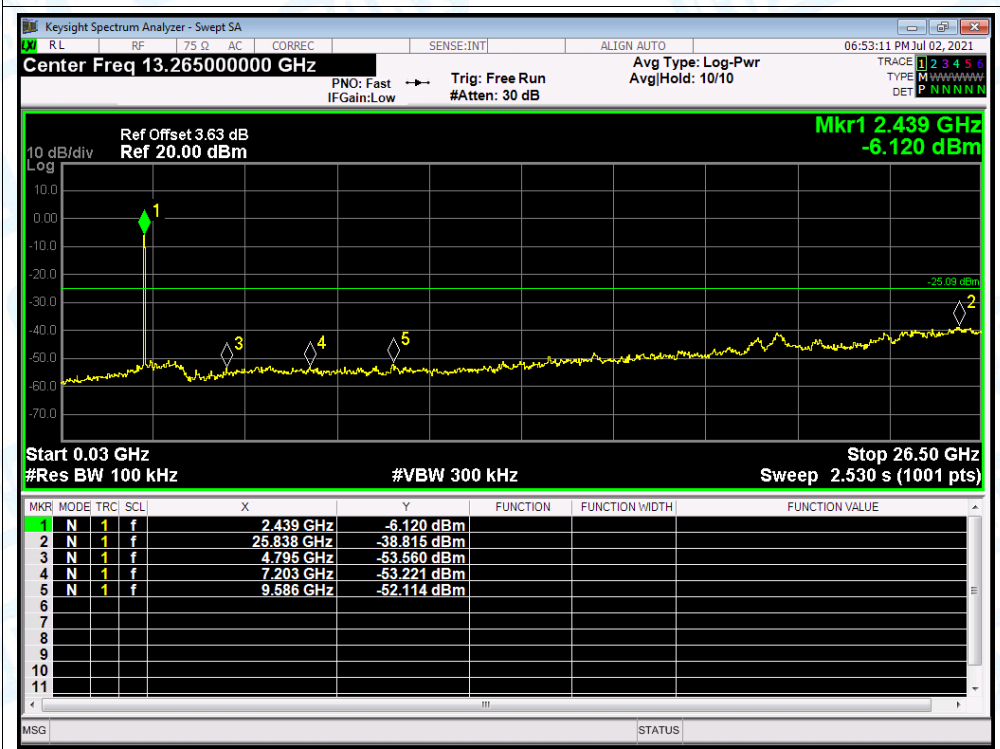




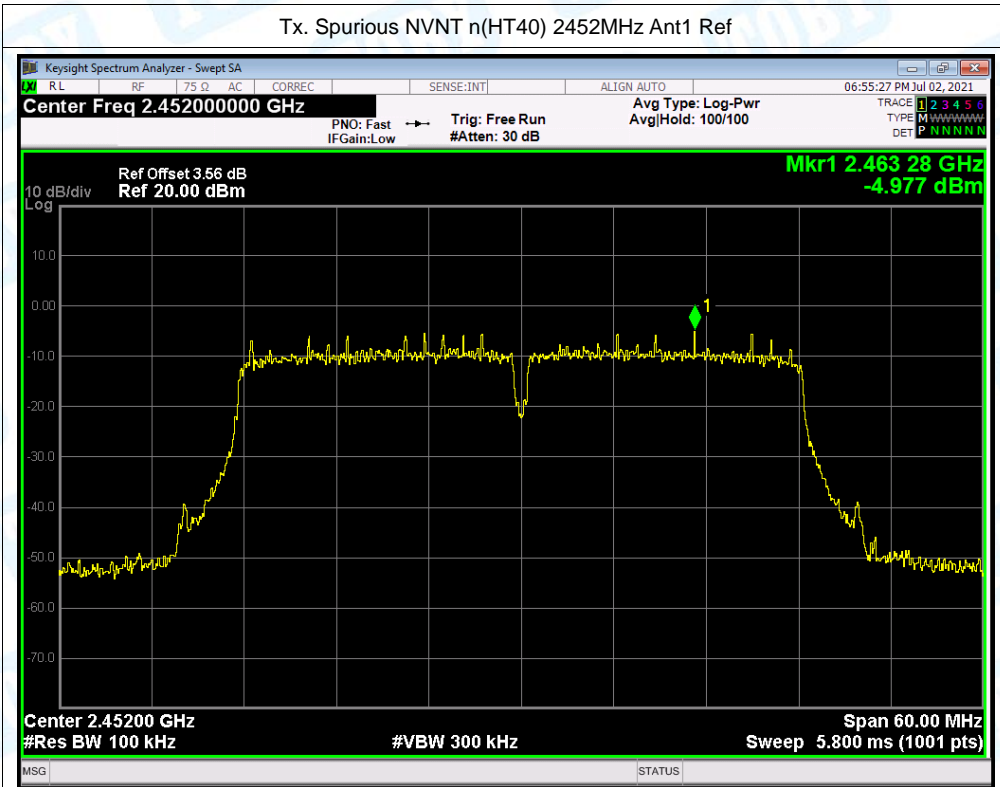
Tx. Spurious NVNT n(HT40) 2437MHz Ant1 Ref



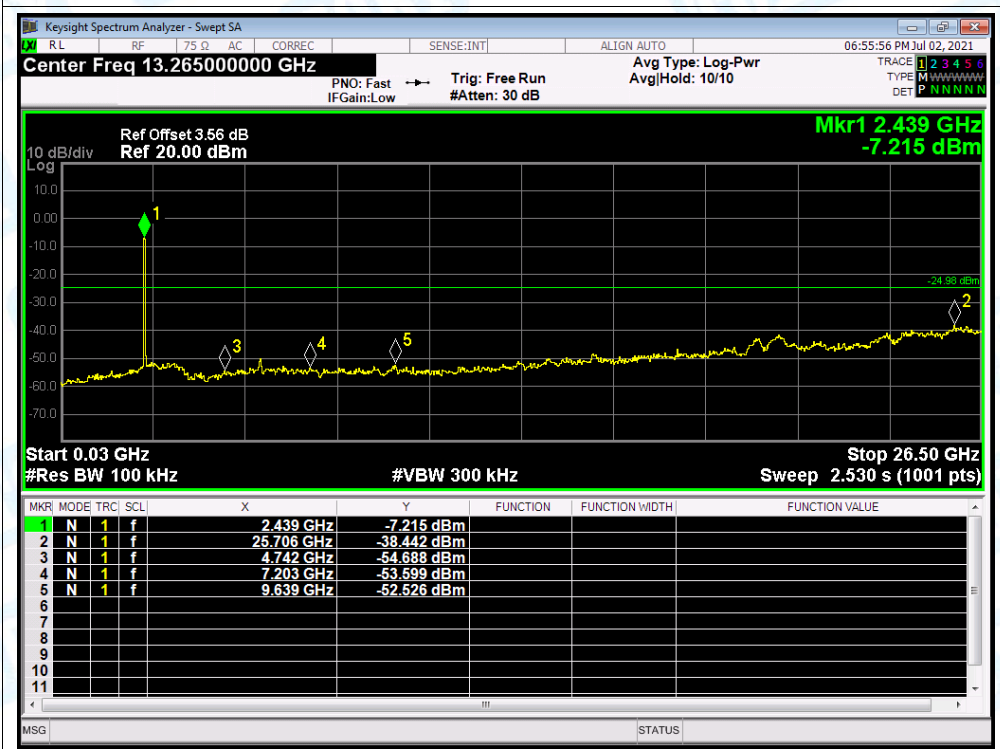
Tx. Spurious NVNT n(HT40) 2437MHz Ant1 Emission



Tx. Spurious NVNT n(HT40) 2452MHz Ant1 Ref



Tx. Spurious NVNT n(HT40) 2452MHz Ant1 Emission





### 7. Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant1	2310	-43.25	2	54.01	Peak	74	Pass
NVNT	b	2412	Ant1	2310	-54.2	2	43.06	Average	54	Pass
NVNT	b	2412	Ant1	2387.571	-40.08	2	57.18	Peak	74	Pass
NVNT	b	2412	Ant1	2386.986	-52.21	2	45.05	Average	54	Pass
NVNT	b	2412	Ant1	2390	-43.64	2	53.62	Peak	74	Pass
NVNT	b	2412	Ant1	2390	-52.35	2	44.91	Average	54	Pass
NVNT	b	2462	Ant1	2483.5	-42.83	2	54.43	Peak	74	Pass
NVNT	b	2462	Ant1	2483.5	-51.98	2	45.28	Average	54	Pass
NVNT	b	2462	Ant1	2483.994	-39.43	2	57.83	Peak	74	Pass
NVNT	b	2462	Ant1	2483.517	-51.98	2	45.28	Average	54	Pass
NVNT	b	2462	Ant1	2500	-42.64	2	54.62	Peak	74	Pass
NVNT	b	2462	Ant1	2500	-53.17	2	44.09	Average	54	Pass
NVNT	g	2412	Ant1	2310	-44.11	2	53.15	Peak	74	Pass
NVNT	g	2412	Ant1	2310	-54.7	2	42.56	Average	54	Pass
NVNT	g	2412	Ant1	2377.977	-40.43	2	56.83	Peak	74	Pass
NVNT	g	2412	Ant1	2389.911	-52.38	2	44.88	Average	54	Pass
NVNT	g	2412	Ant1	2390	-42.11	2	55.15	Peak	74	Pass
NVNT	g	2412	Ant1	2390	-52.33	2	44.93	Average	54	Pass
NVNT	g	2462	Ant1	2483.5	-38.63	2	58.63	Peak	74	Pass
NVNT	g	2462	Ant1	2483.5	-51.97	2	45.29	Average	54	Pass
NVNT	g	2462	Ant1	2483.517	-38.63	2	58.63	Peak	74	Pass
NVNT	g	2462	Ant1	2483.517	-51.97	2	45.29	Average	54	Pass
NVNT	g	2462	Ant1	2500	-41.86	2	55.4	Peak	74	Pass
NVNT	g	2462	Ant1	2500	-53.4	2	43.86	Average	54	Pass
NVNT	n(HT20)	2412	Ant1	2310	-44.57	2	52.69	Peak	74	Pass
NVNT	n(HT20)	2412	Ant1	2310	-54.7	2	42.56	Average	54	Pass
NVNT	n(HT20)	2412	Ant1	2389.56	-39.89	2	57.37	Peak	74	Pass
NVNT	n(HT20)	2412	Ant1	2389.911	-52.06	2	45.2	Average	54	Pass
NVNT	n(HT20)	2412	Ant1	2390	-40.26	2	57	Peak	74	Pass
NVNT	n(HT20)	2412	Ant1	2390	-52.02	2	45.24	Average	54	Pass
NVNT	n(HT20)	2462	Ant1	2483.5	-40.66	2	56.6	Peak	74	Pass
NVNT	n(HT20)	2462	Ant1	2483.5	-51.63	2	45.63	Average	54	Pass
NVNT	n(HT20)	2462	Ant1	2484.524	-39.52	2	57.74	Peak	74	Pass
NVNT	n(HT20)	2462	Ant1	2483.517	-51.63	2	45.63	Average	54	Pass
NVNT	n(HT20)	2462	Ant1	2500	-43.22	2	54.04	Peak	74	Pass
NVNT	n(HT20)	2462	Ant1	2500	-53.39	2	43.87	Average	54	Pass
NVNT	n(HT40)	2422	Ant1	2310	-44.69	2	52.57	Peak	74	Pass
NVNT	n(HT40)	2422	Ant1	2310	-54.78	2	42.48	Average	54	Pass
NVNT	n(HT40)	2422	Ant1	2387.39	-40.07	2	57.19	Peak	74	Pass
NVNT	n(HT40)	2422	Ant1	2389.946	-51.81	2	45.45	Average	54	Pass
NVNT	n(HT40)	2422	Ant1	2390	-40.63	2	56.63	Peak	74	Pass
NVNT	n(HT40)	2422	Ant1	2390	-51.84	2	45.42	Average	54	Pass
NVNT	n(HT40)	2452	Ant1	2483.5	-40.83	2	56.43	Peak	74	Pass



NVNT	n(HT40)	2452	Ant1	2483.5	-51.36	2	45.9	Average	54	Pass
NVNT	n(HT40)	2452	Ant1	2483.854	-37.47	2	59.79	Peak	74	Pass
NVNT	n(HT40)	2452	Ant1	2483.542	-51.36	2	45.9	Average	54	Pass
NVNT	n(HT40)	2452	Ant1	2500	-43.67	2	53.59	Peak	74	Pass
NVNT	n(HT40)	2452	Ant1	2500	-53.05	2	44.21	Average	54	Pass



