



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: 8inch tablet PC

Test Model: SoyMomo_Pro_V2

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



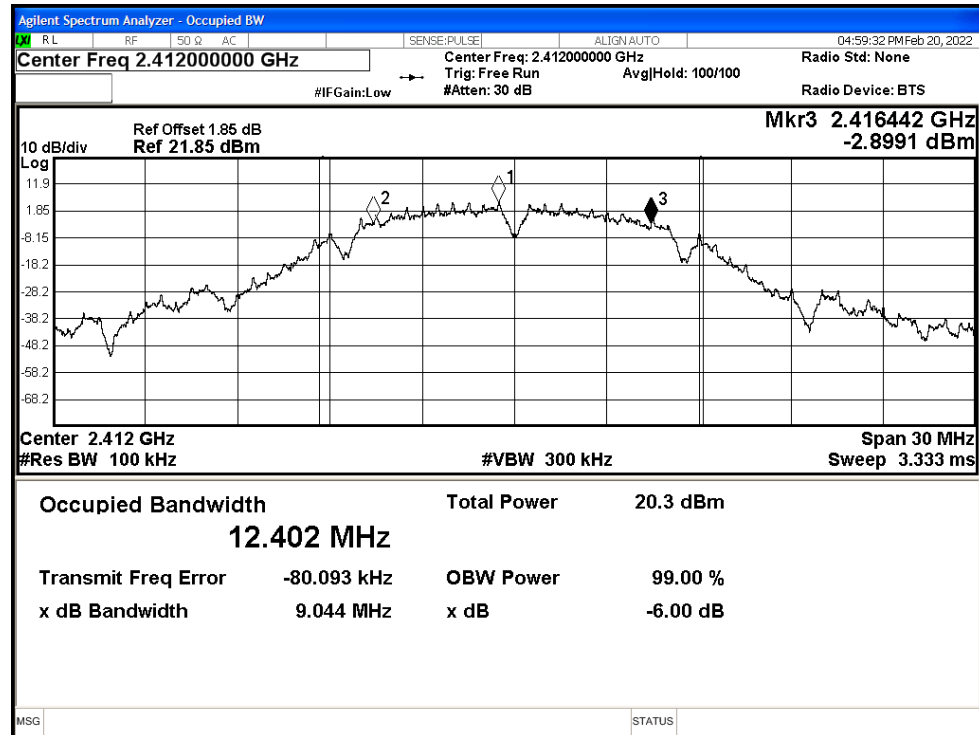
C.1 6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant	9.044	0.5	Pass
NVNT	b	2437	Ant	8.557	0.5	Pass
NVNT	b	2462	Ant	8.577	0.5	Pass
NVNT	g	2412	Ant	16.305	0.5	Pass
NVNT	g	2437	Ant	16.112	0.5	Pass
NVNT	g	2462	Ant	16.286	0.5	Pass
NVNT	n20	2412	Ant	16.95	0.5	Pass
NVNT	n20	2437	Ant	16.406	0.5	Pass
NVNT	n20	2462	Ant	16.873	0.5	Pass
NVNT	n40	2422	Ant	35.713	0.5	Pass
NVNT	n40	2437	Ant	35.37	0.5	Pass
NVNT	n40	2452	Ant	35.107	0.5	Pass

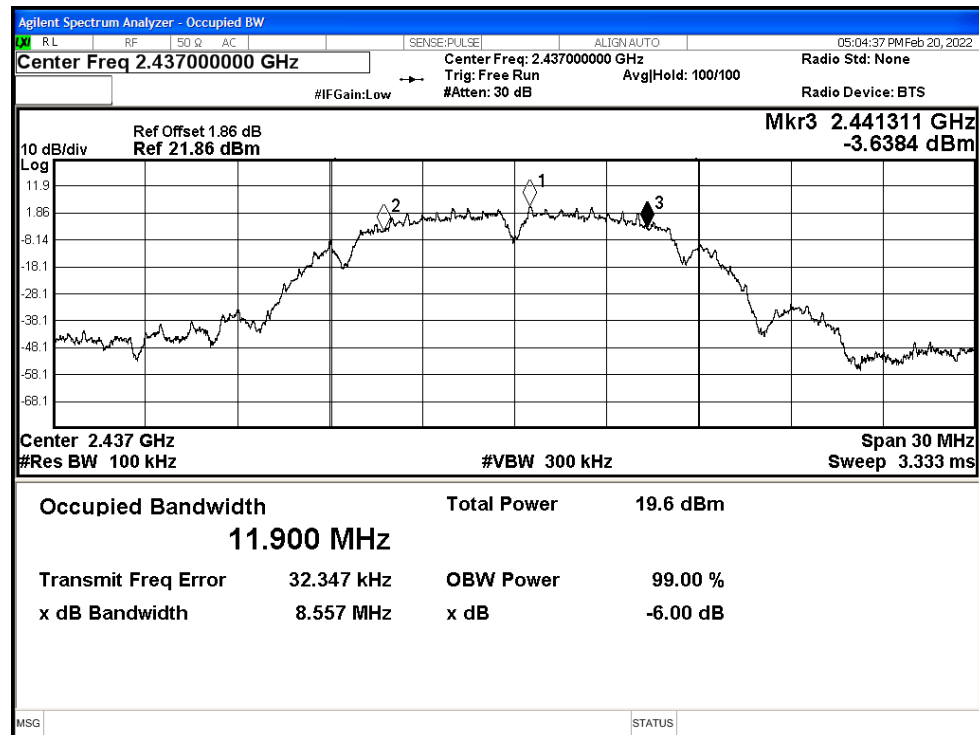


Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant

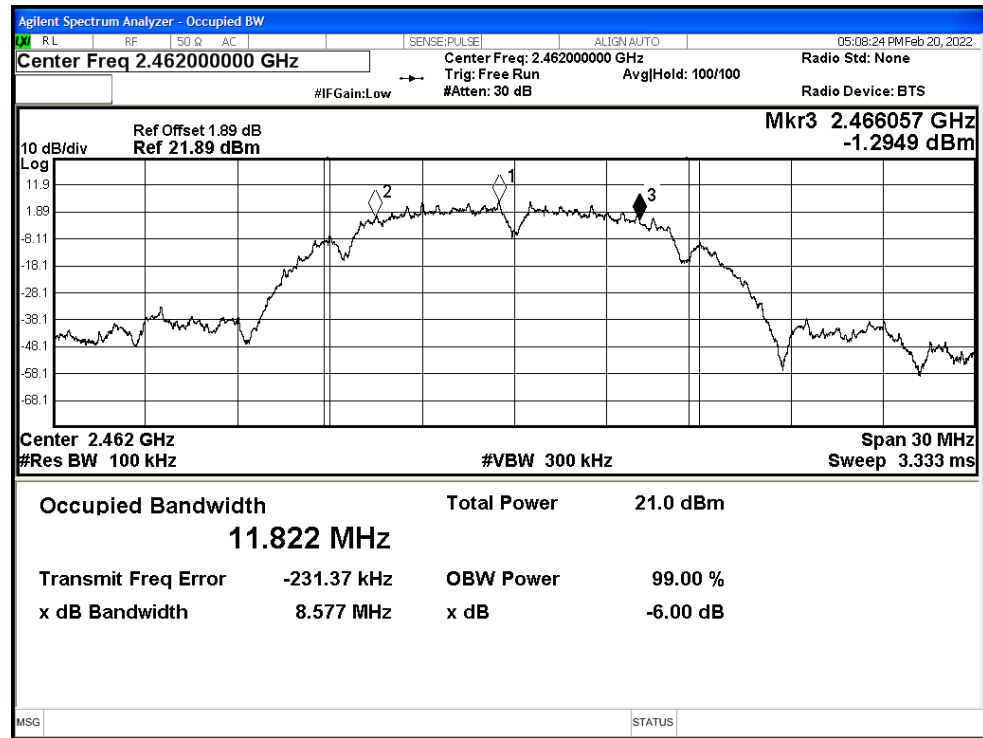


-6dB Bandwidth NVNT b 2437MHz Ant

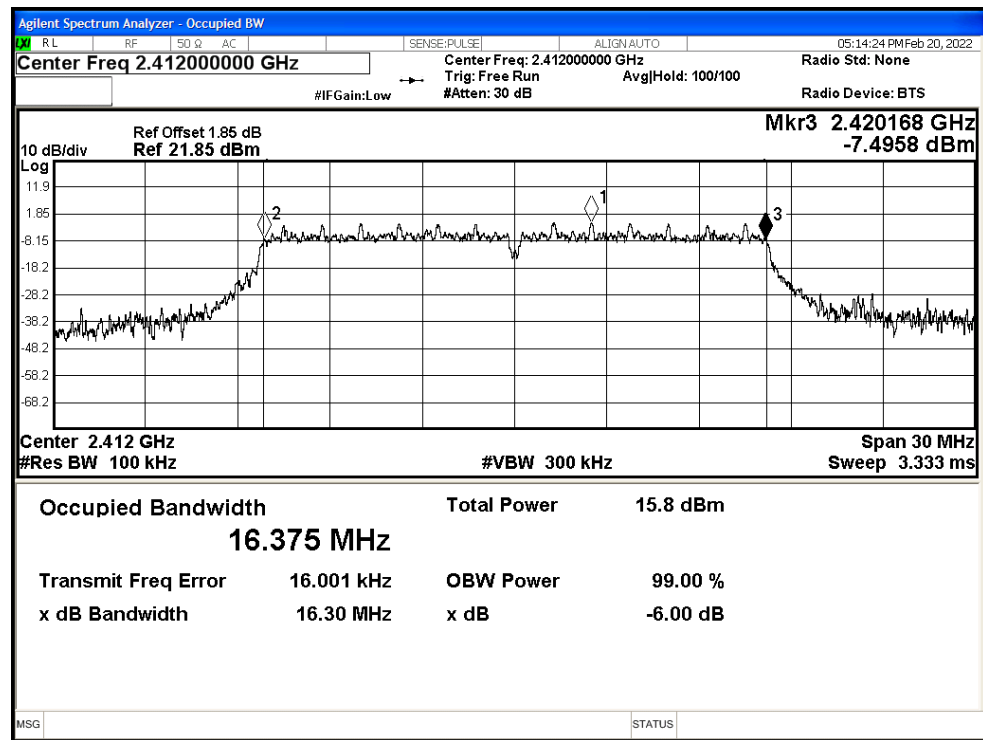




-6dB Bandwidth NVNT b 2462MHz Ant

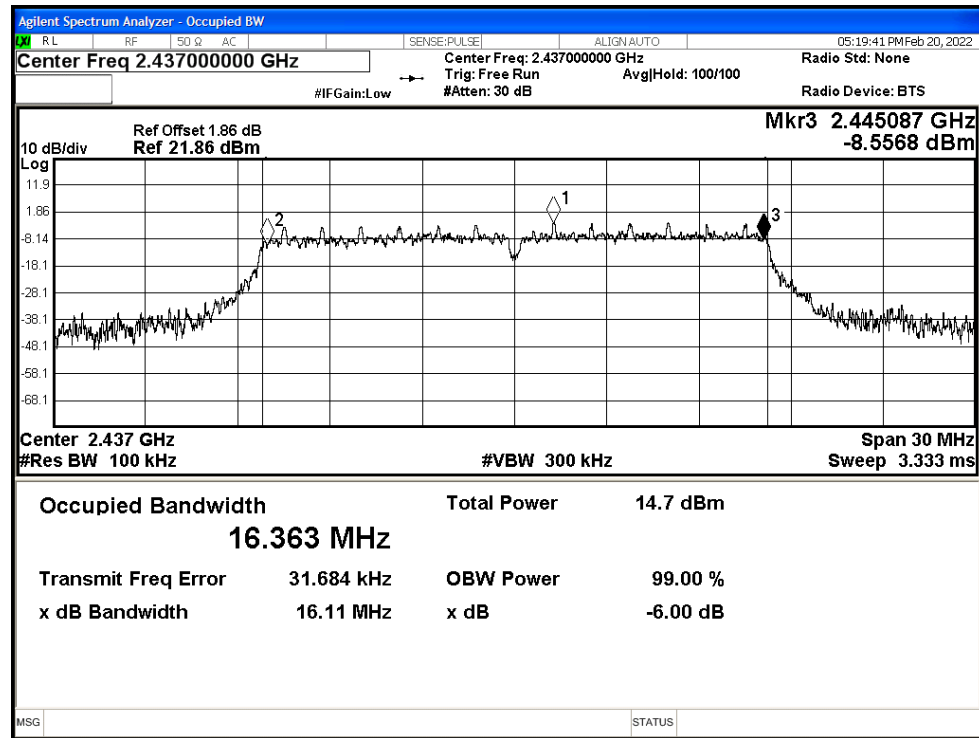


-6dB Bandwidth NVNT g 2412MHz Ant

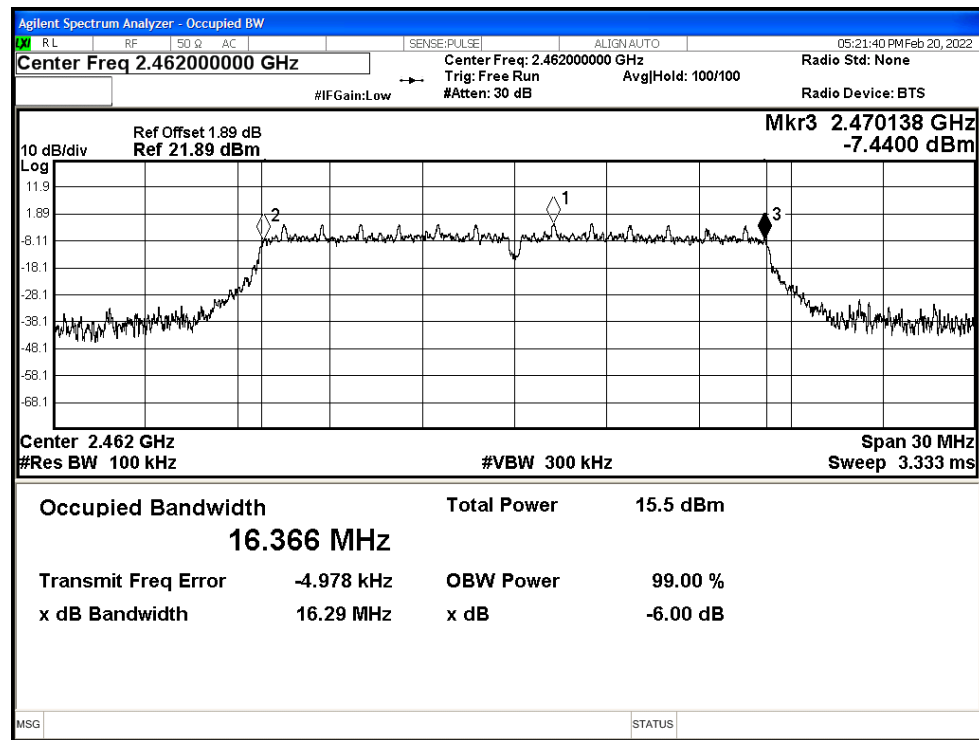




-6dB Bandwidth NVNT g 2437MHz Ant

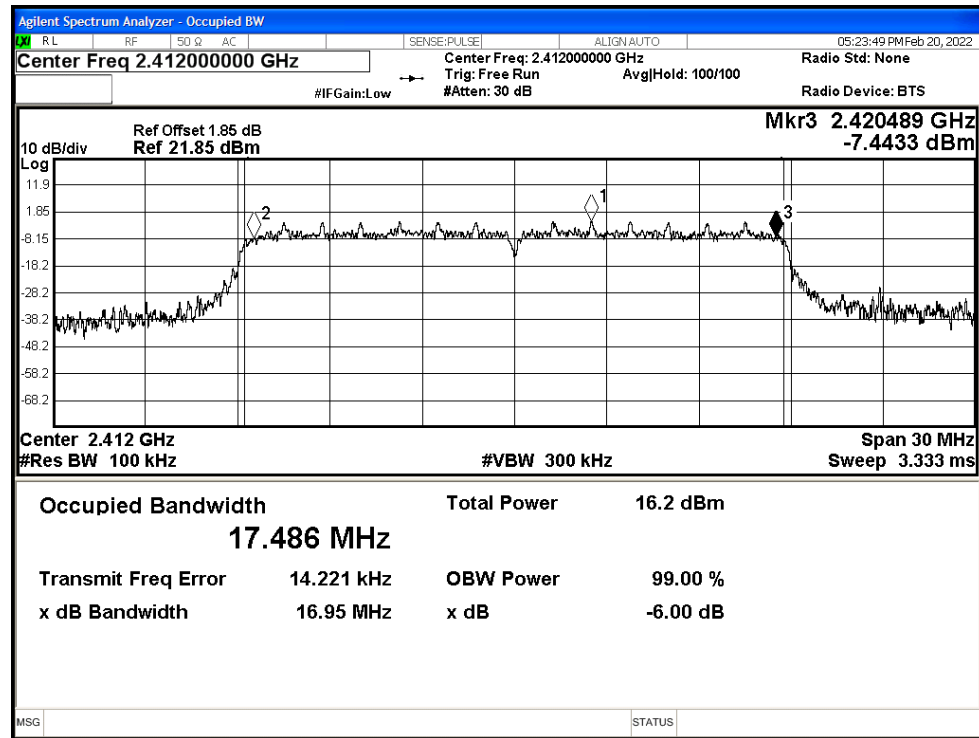


-6dB Bandwidth NVNT g 2462MHz Ant

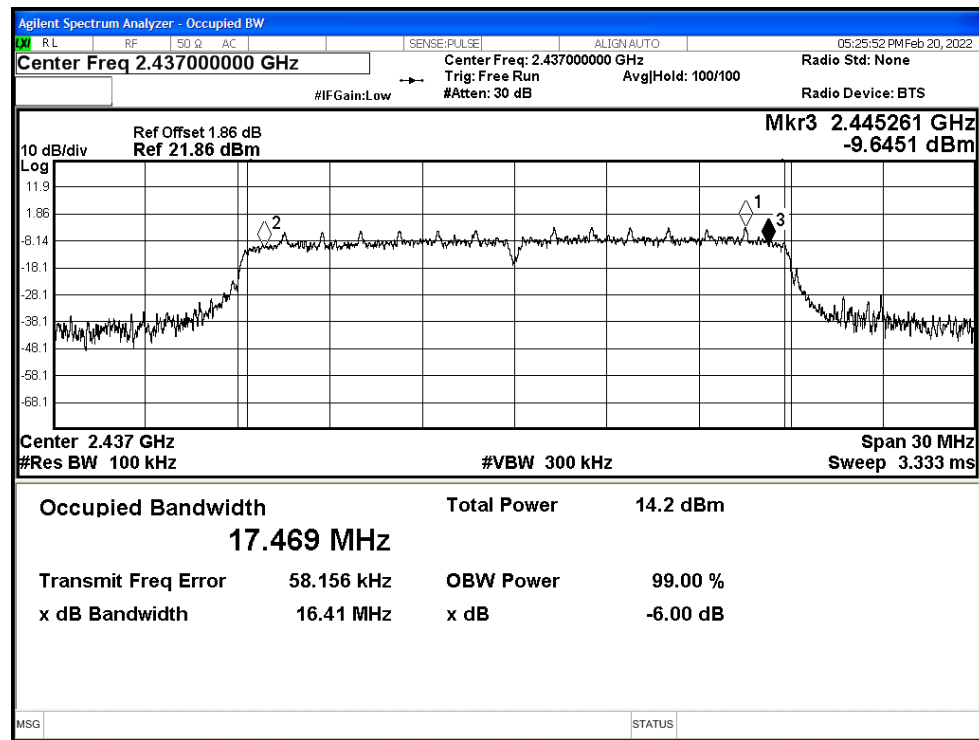




-6dB Bandwidth NVNT n20 2412MHz Ant

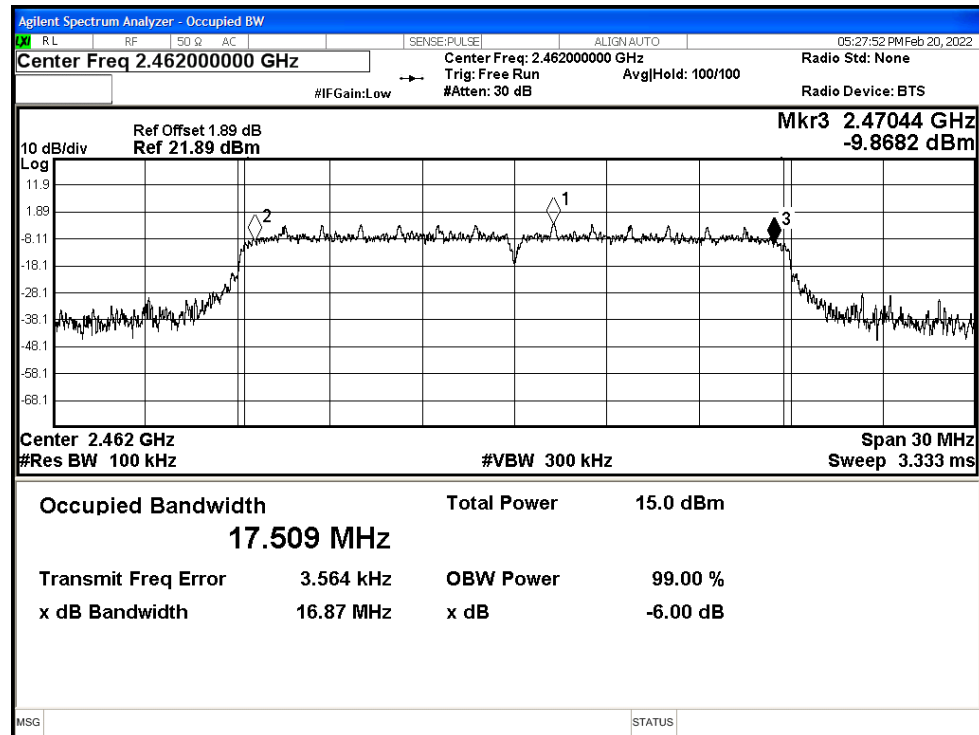


-6dB Bandwidth NVNT n20 2437MHz Ant

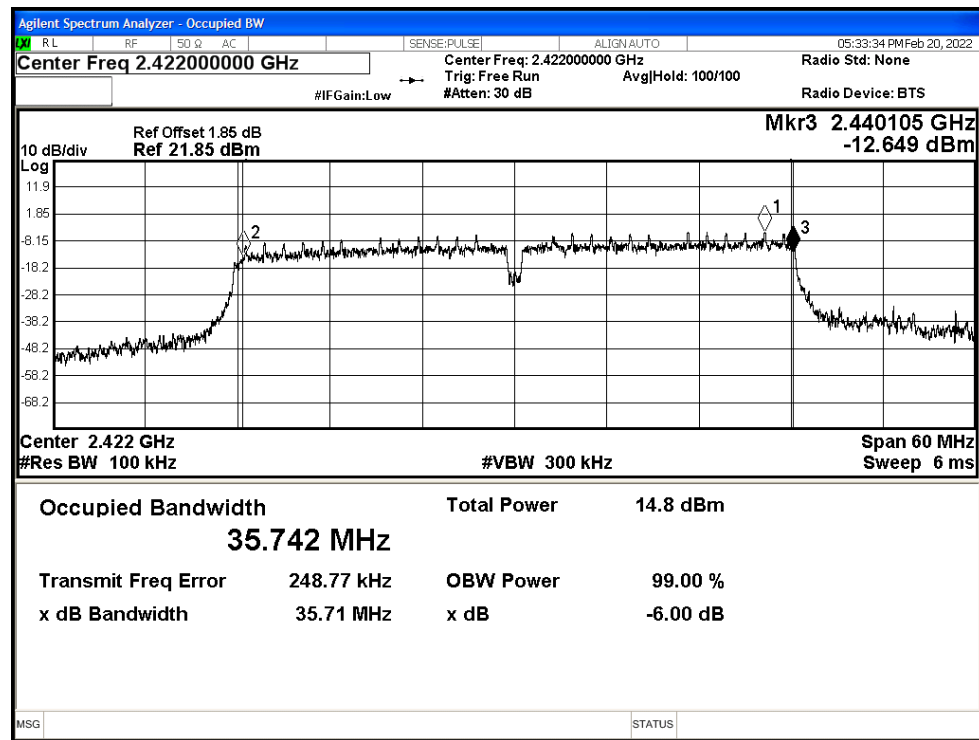




-6dB Bandwidth NVNT n20 2462MHz Ant

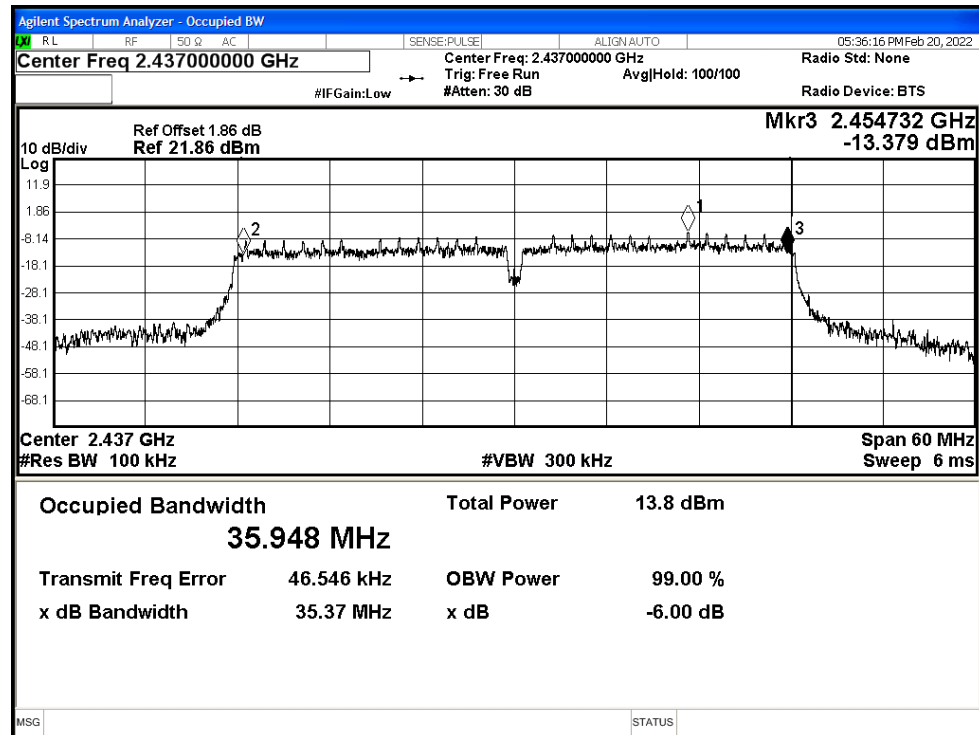


-6dB Bandwidth NVNT n40 2422MHz Ant

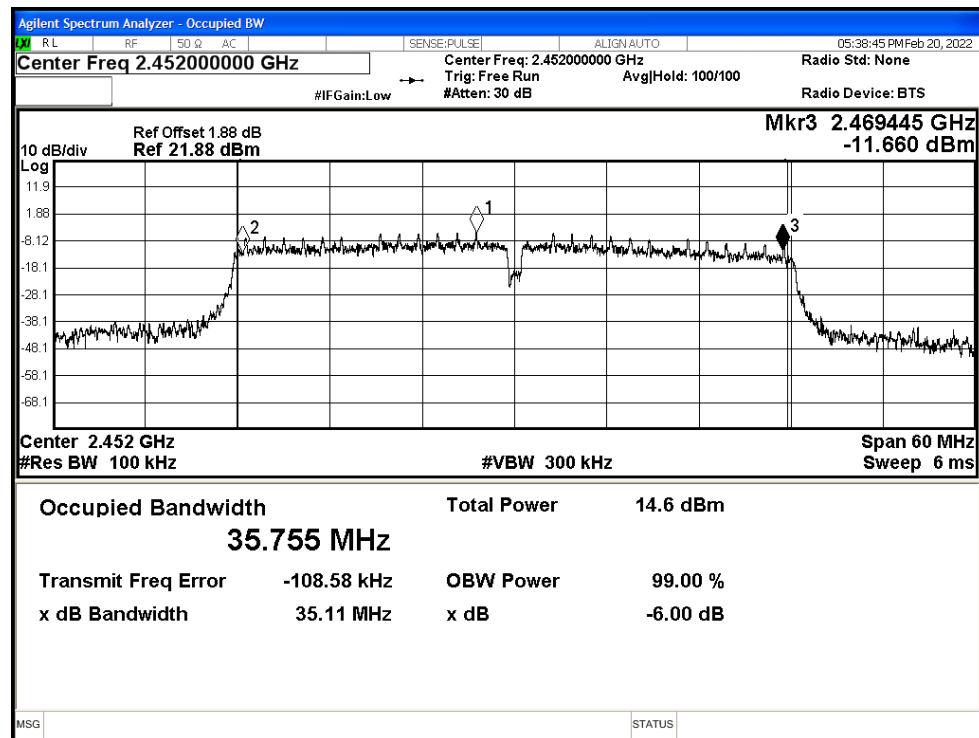




-6dB Bandwidth NVNT n40 2437MHz Ant



-6dB Bandwidth NVNT n40 2452MHz Ant





C.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	Ant	15.38	0	15.38	30	Pass
NVNT	b	2437	Ant	14.63	0	14.63	30	Pass
NVNT	b	2462	Ant	15.99	0	15.99	30	Pass
NVNT	g	2412	Ant	14.09	0	14.09	30	Pass
NVNT	g	2437	Ant	13.12	0	13.12	30	Pass
NVNT	g	2462	Ant	13.8	0	13.8	30	Pass
NVNT	n20	2412	Ant	14.41	0	14.41	30	Pass
NVNT	n20	2437	Ant	12.43	0	12.43	30	Pass
NVNT	n20	2462	Ant	13.21	0	13.21	30	Pass
NVNT	n40	2422	Ant	12.79	0	12.79	30	Pass
NVNT	n40	2437	Ant	11.88	0	11.88	30	Pass
NVNT	n40	2452	Ant	12.57	0	12.57	30	Pass



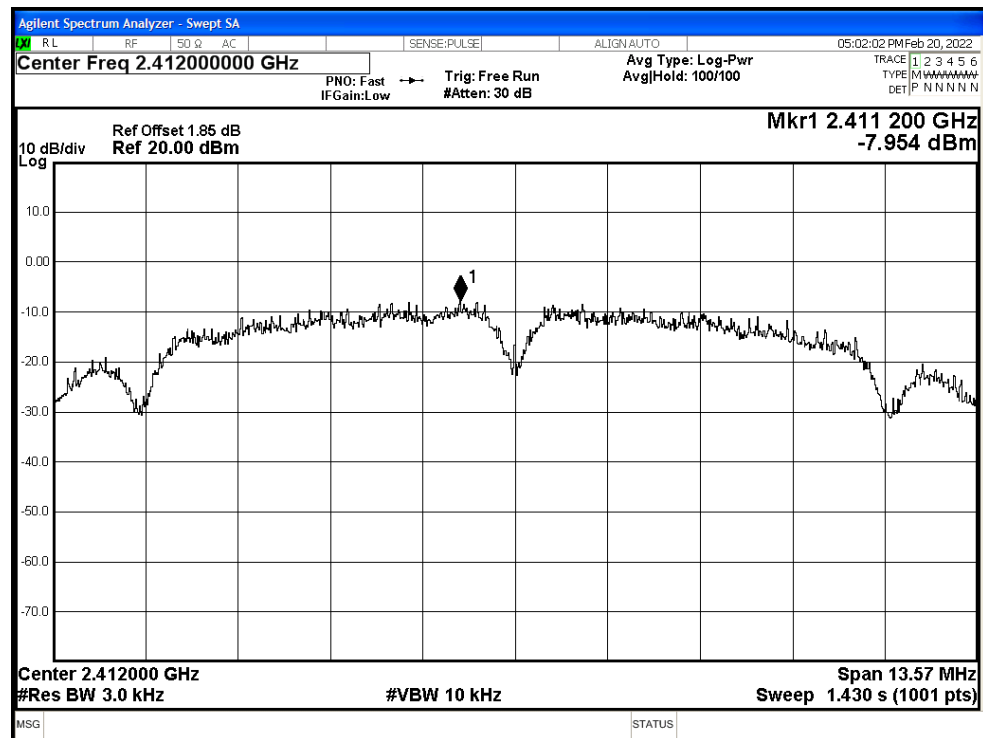
C.3 Power Spectral Density

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant	-7.95	0	-7.95	8	Pass
NVNT	b	2437	Ant	-7.82	0	-7.82	8	Pass
NVNT	b	2462	Ant	-6.93	0	-6.93	8	Pass
NVNT	g	2412	Ant	-16.36	0	-16.36	8	Pass
NVNT	g	2437	Ant	-16.48	0	-16.48	8	Pass
NVNT	g	2462	Ant	-16.21	0	-16.21	8	Pass
NVNT	n20	2412	Ant	-16.2	0	-16.2	8	Pass
NVNT	n20	2437	Ant	-18.5	0	-18.5	8	Pass
NVNT	n20	2462	Ant	-17.6	0	-17.6	8	Pass
NVNT	n40	2422	Ant	-19.29	0	-19.29	8	Pass
NVNT	n40	2437	Ant	-20.43	0	-20.43	8	Pass
NVNT	n40	2452	Ant	-20.74	0	-20.74	8	Pass

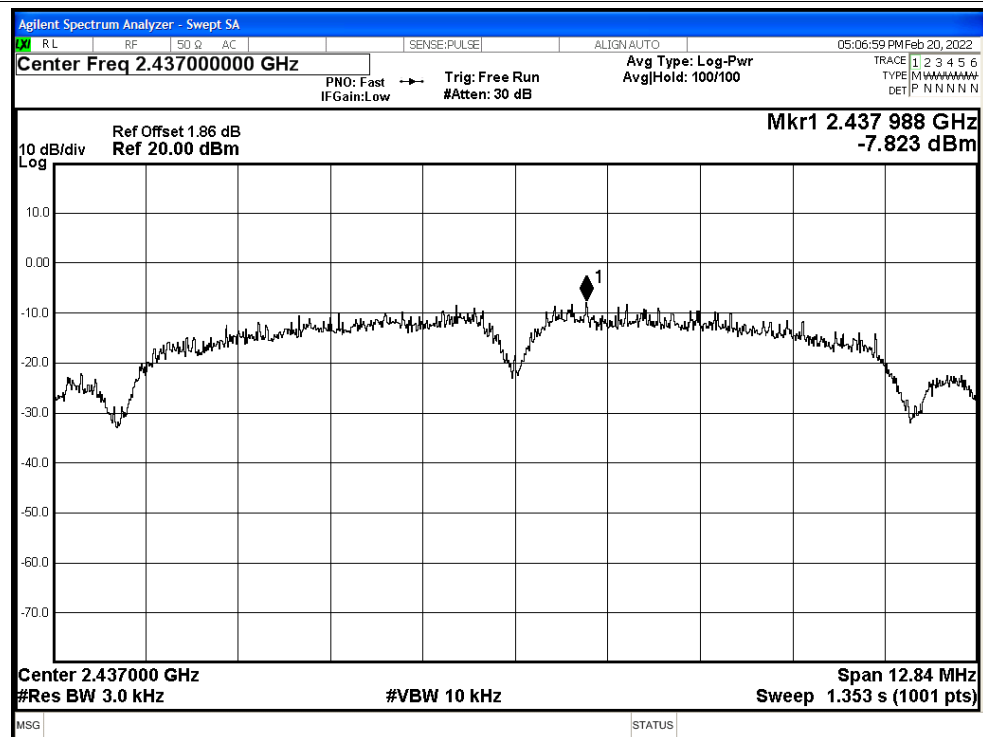


Test Graphs

PSD NVNT b 2412MHz Ant

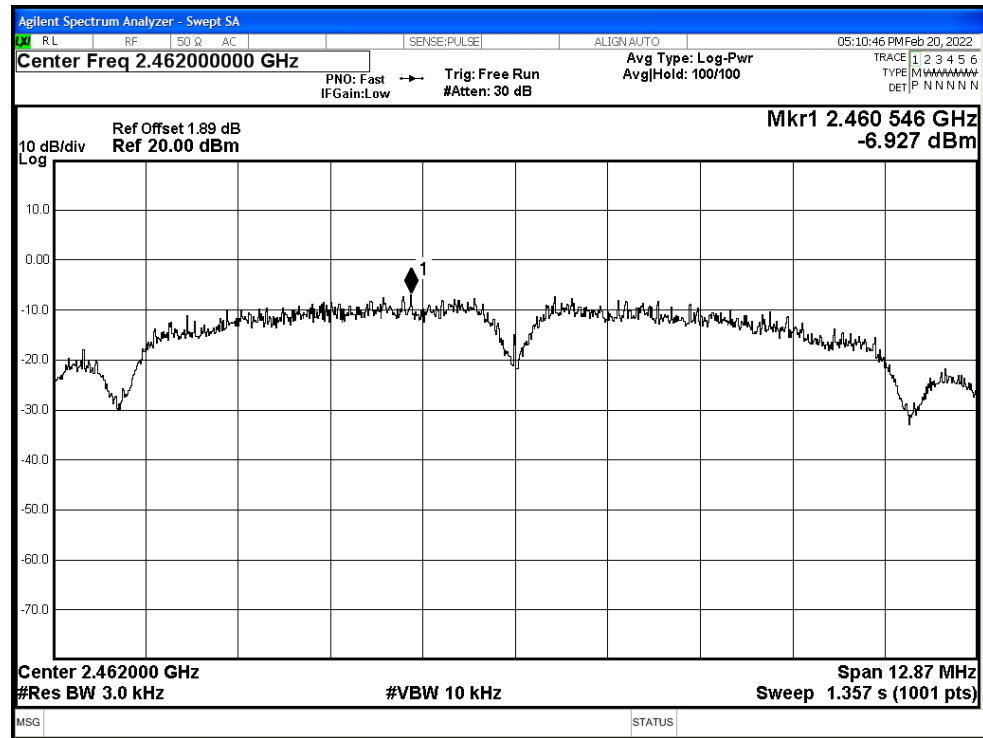


PSD NVNT b 2437MHz Ant

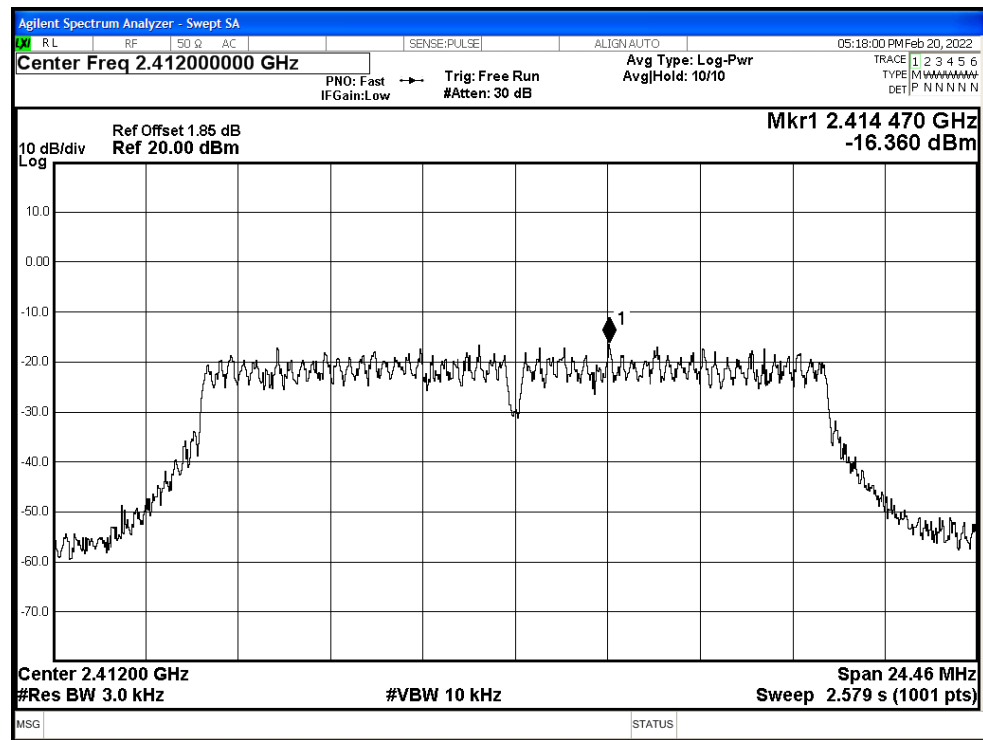




PSD NVNT b 2462MHz Ant

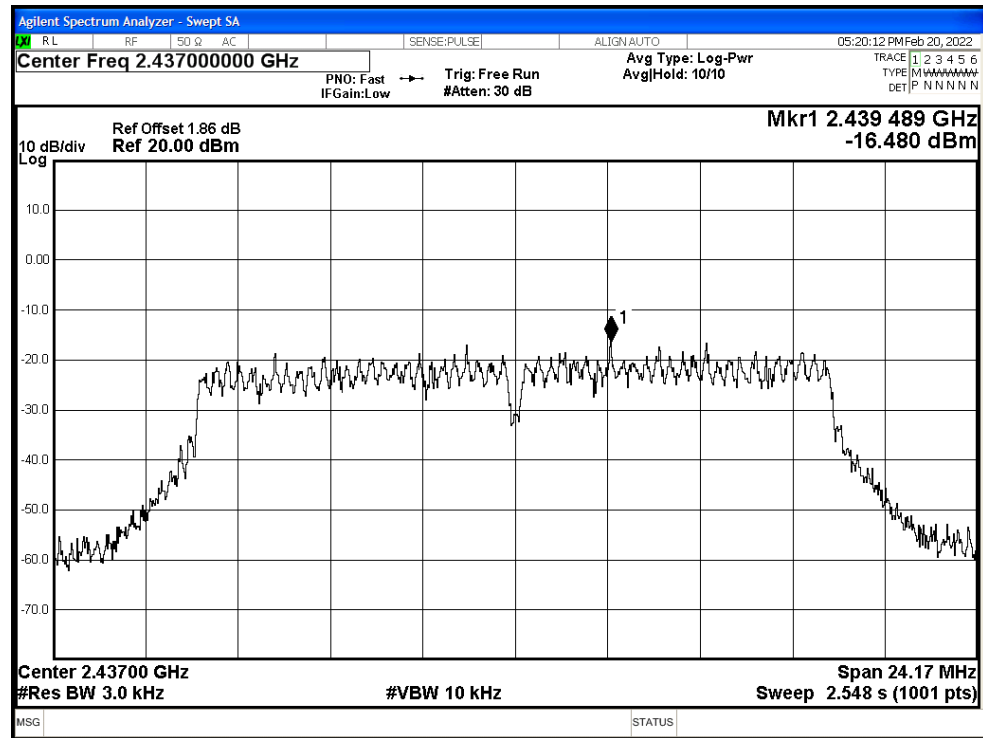


PSD NVNT g 2412MHz Ant

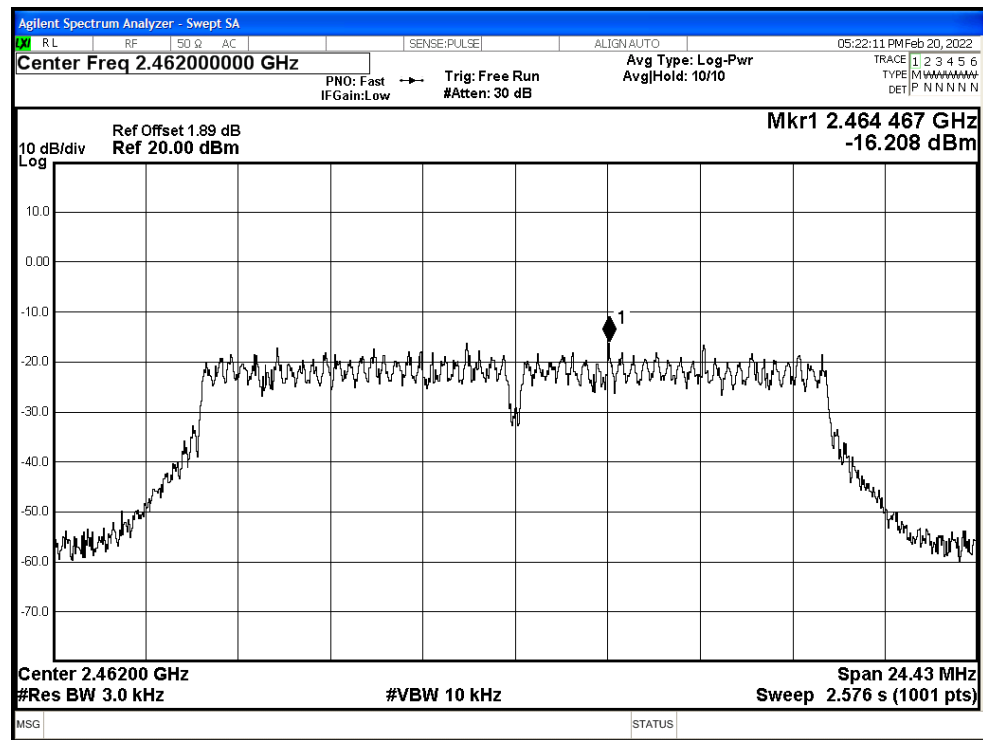


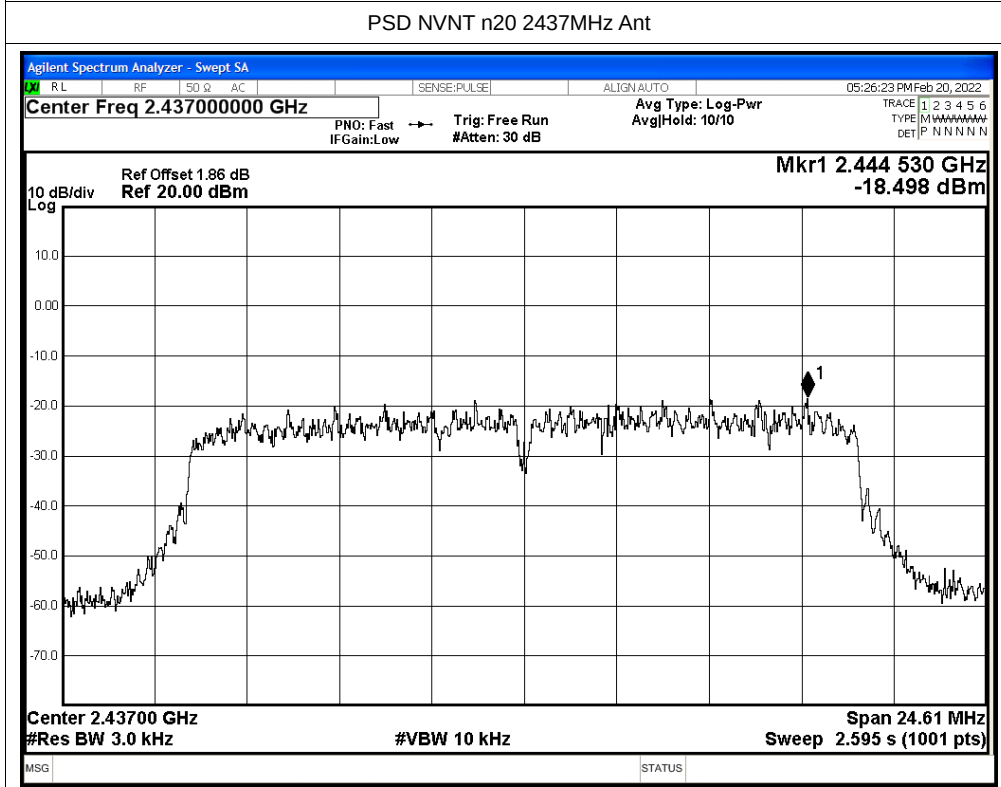
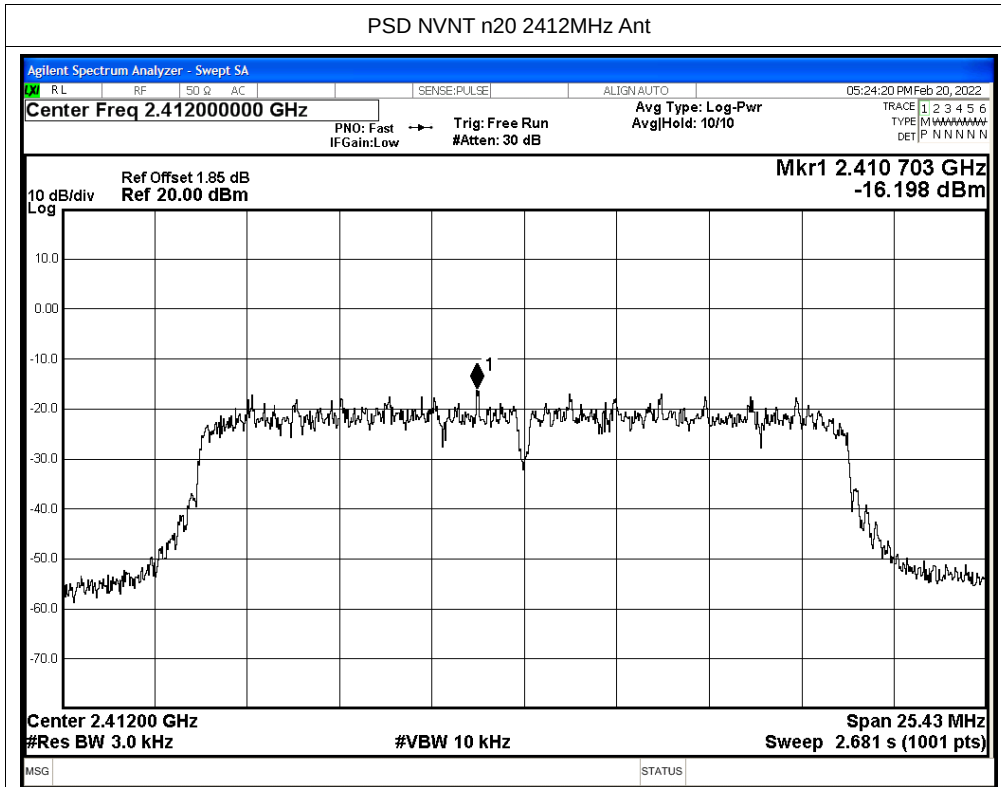


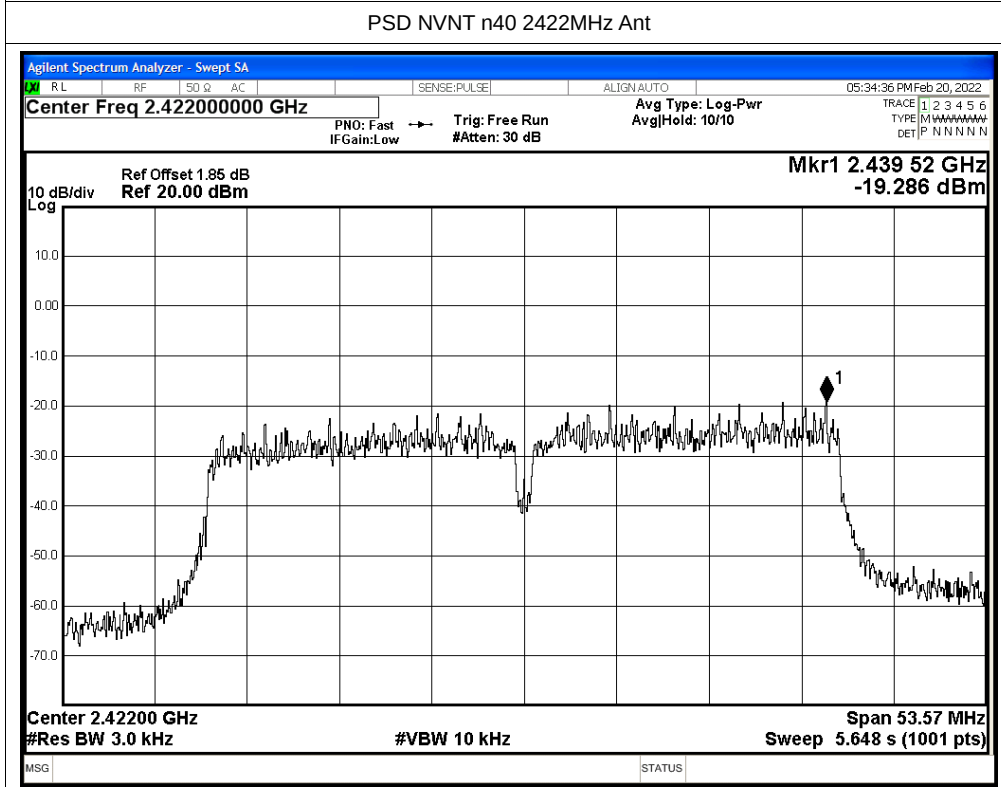
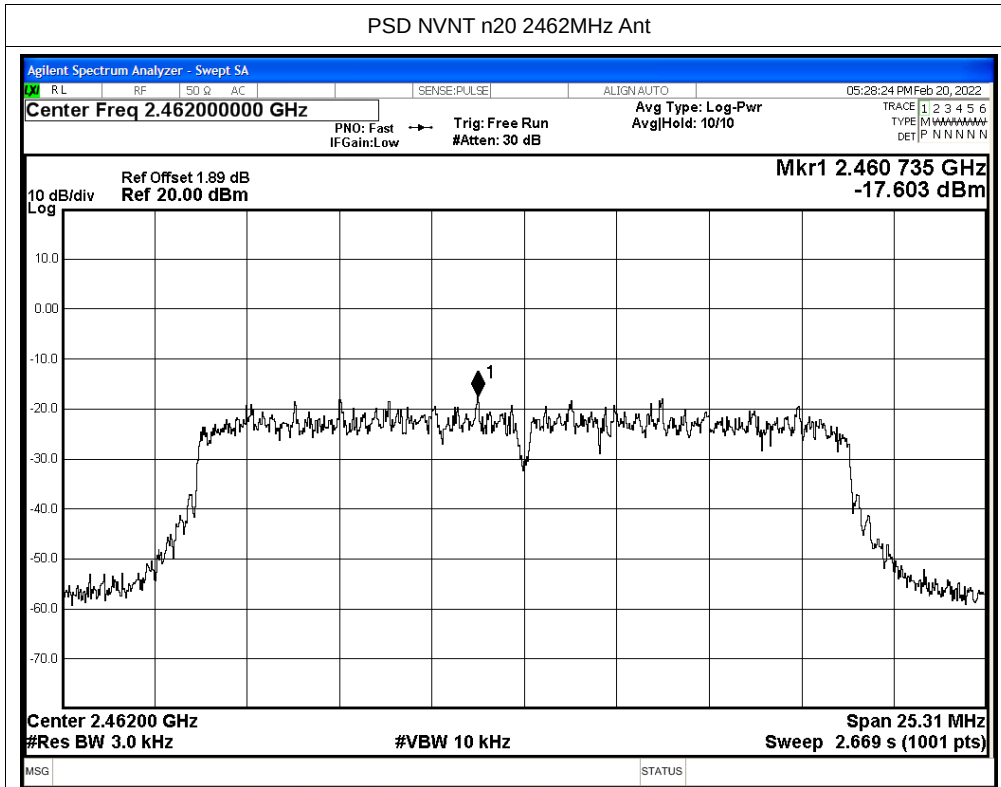
PSD NVNT g 2437MHz Ant

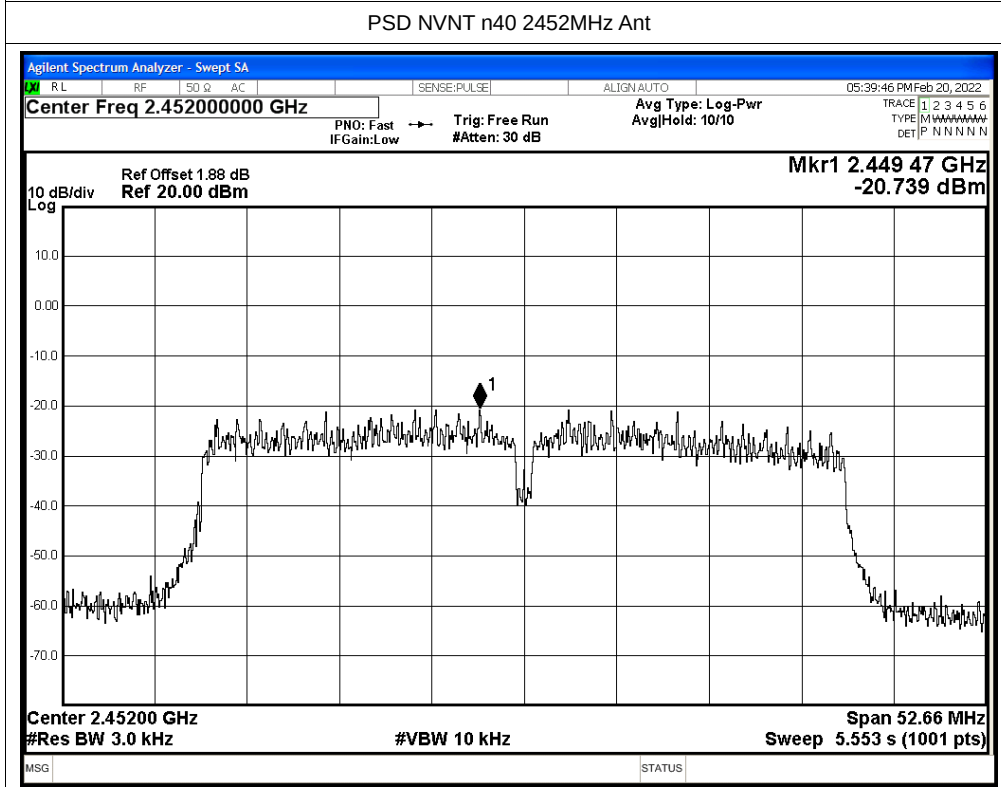
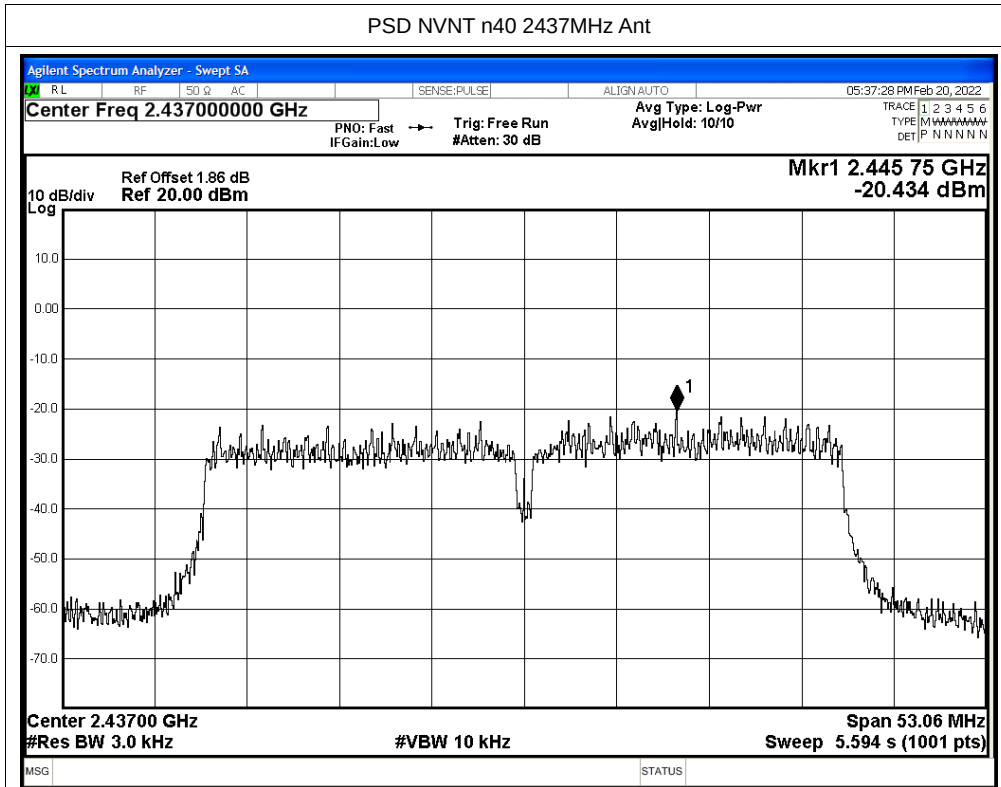


PSD NVNT g 2462MHz Ant











C.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant	-35.44	-20	Pass
NVNT	b	2462	Ant	-60.78	-20	Pass
NVNT	g	2412	Ant	-35.59	-20	Pass
NVNT	g	2462	Ant	-40.57	-20	Pass
NVNT	n20	2412	Ant	-31.22	-20	Pass
NVNT	n20	2462	Ant	-41.11	-20	Pass
NVNT	n40	2422	Ant	-38.00	-20	Pass
NVNT	n40	2452	Ant	-40.88	-20	Pass

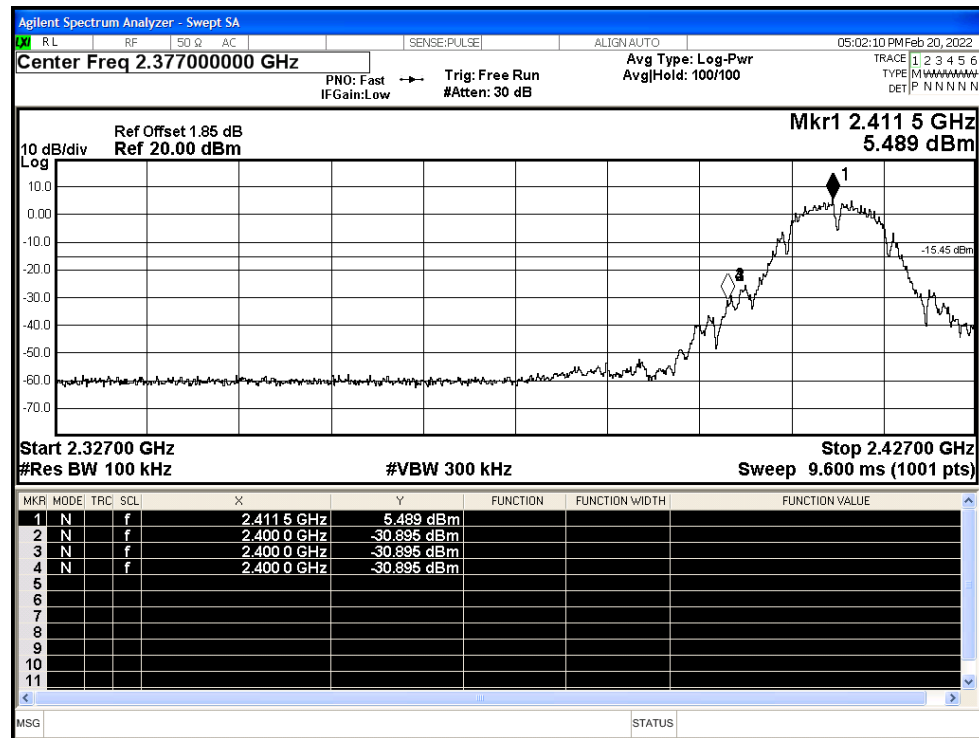


Test Graphs

Band Edge NVNT b 2412MHz Ant Ref

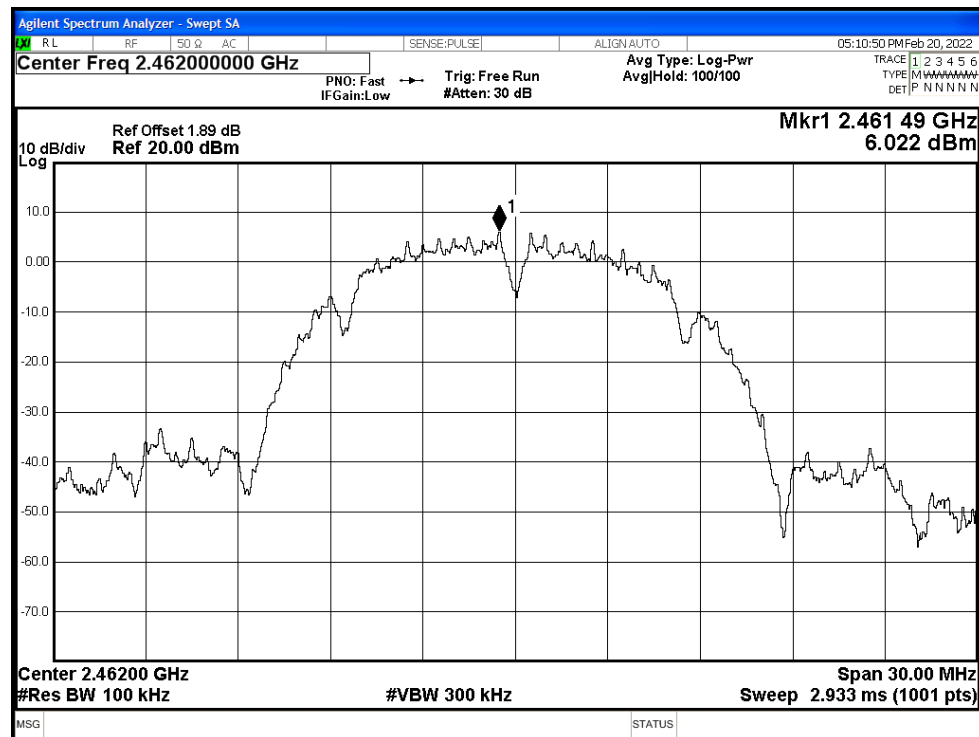


Band Edge NVNT b 2412MHz Ant Emission

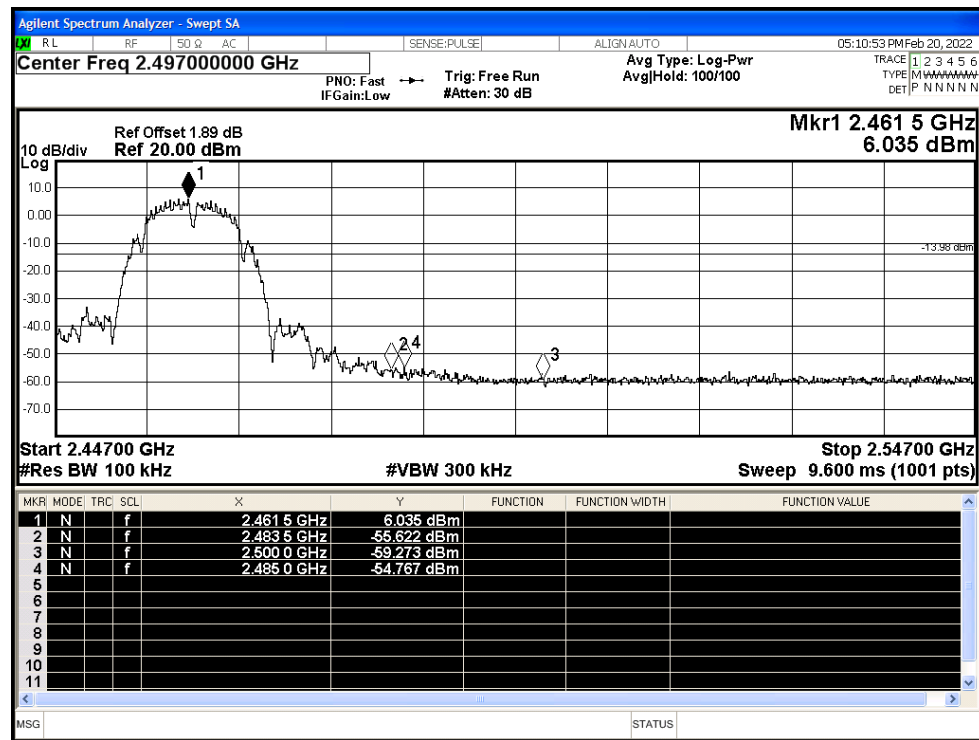




Band Edge NVNT b 2462MHz Ant Ref

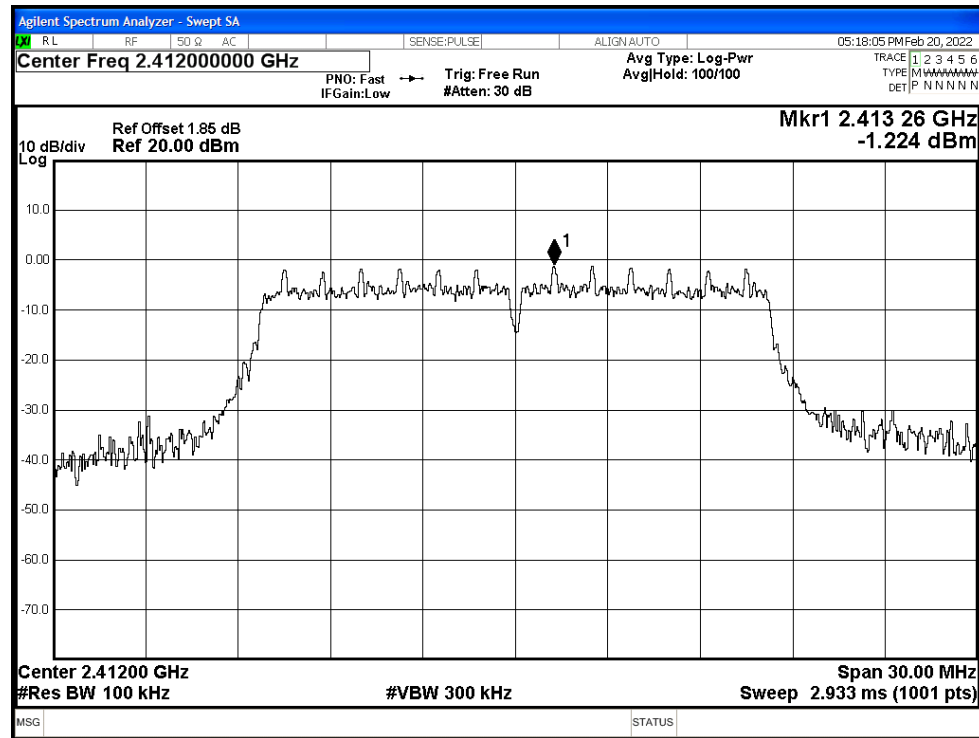


Band Edge NVNT b 2462MHz Ant Emission

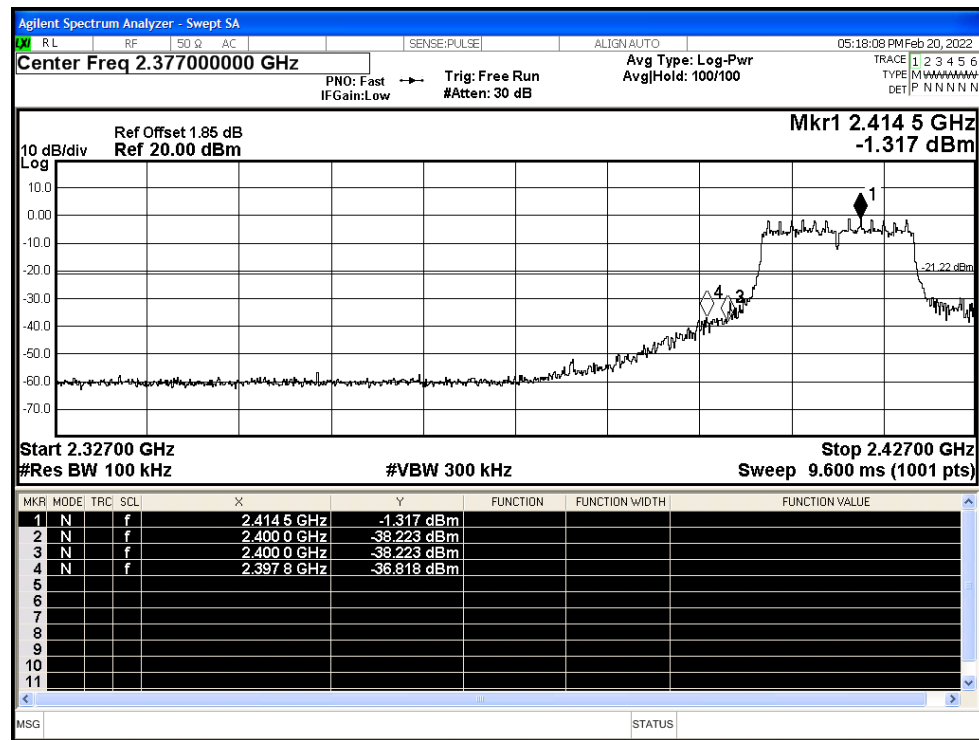




Band Edge NVNT g 2412MHz Ant Ref

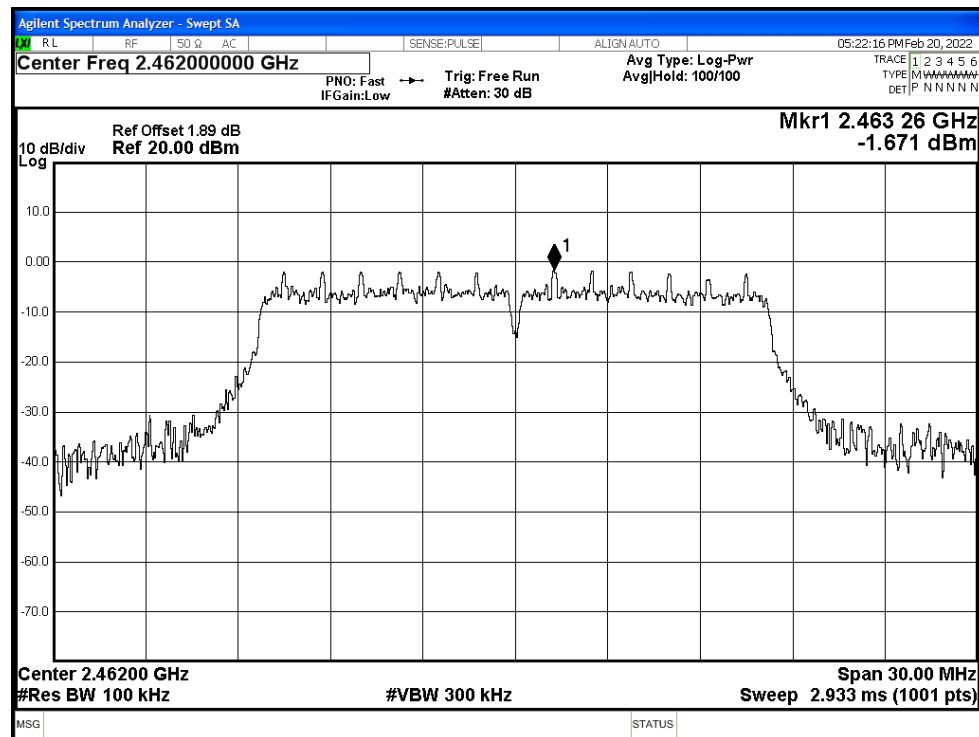


Band Edge NVNT g 2412MHz Ant Emission

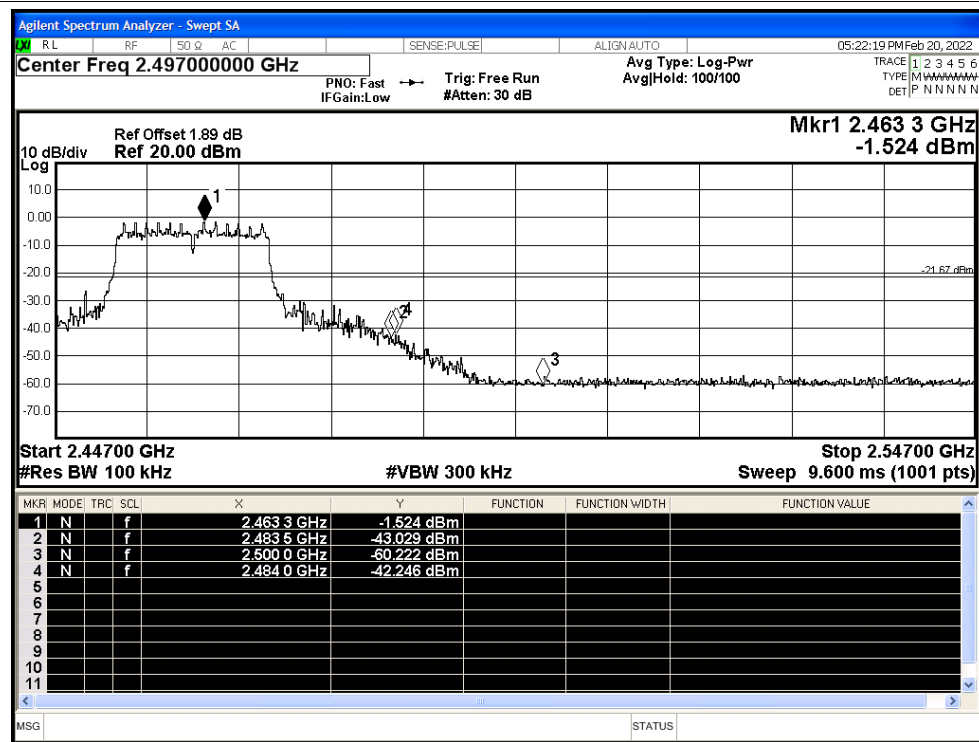




Band Edge NVNT g 2462MHz Ant Ref

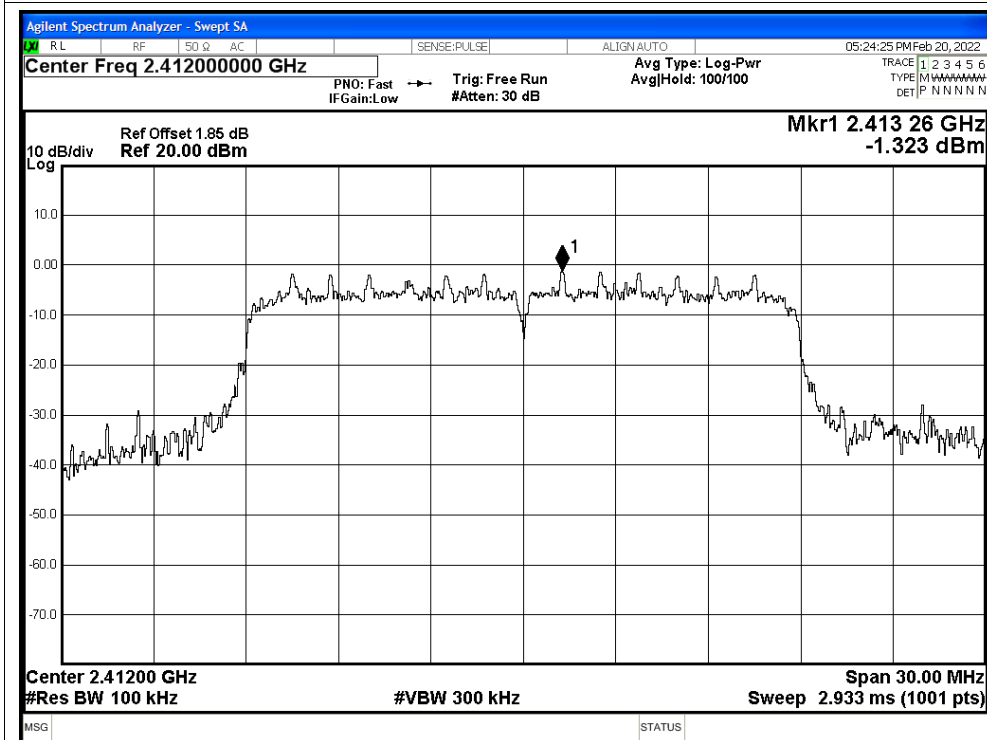


Band Edge NVNT g 2462MHz Ant Emission

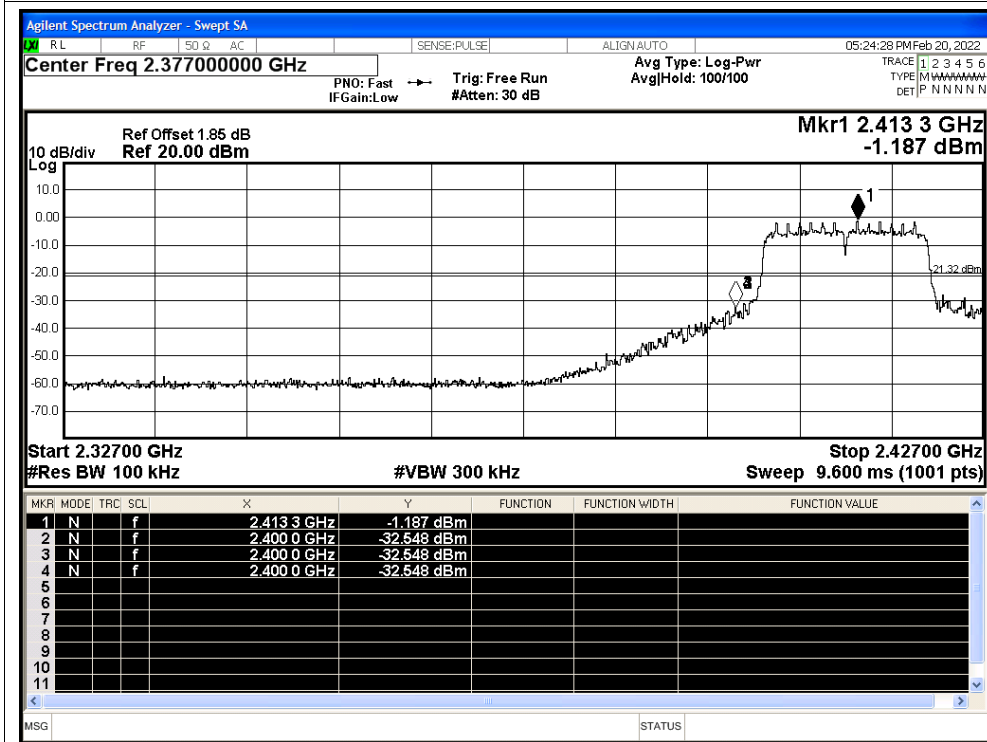




Band Edge NVNT n20 2412MHz Ant Ref

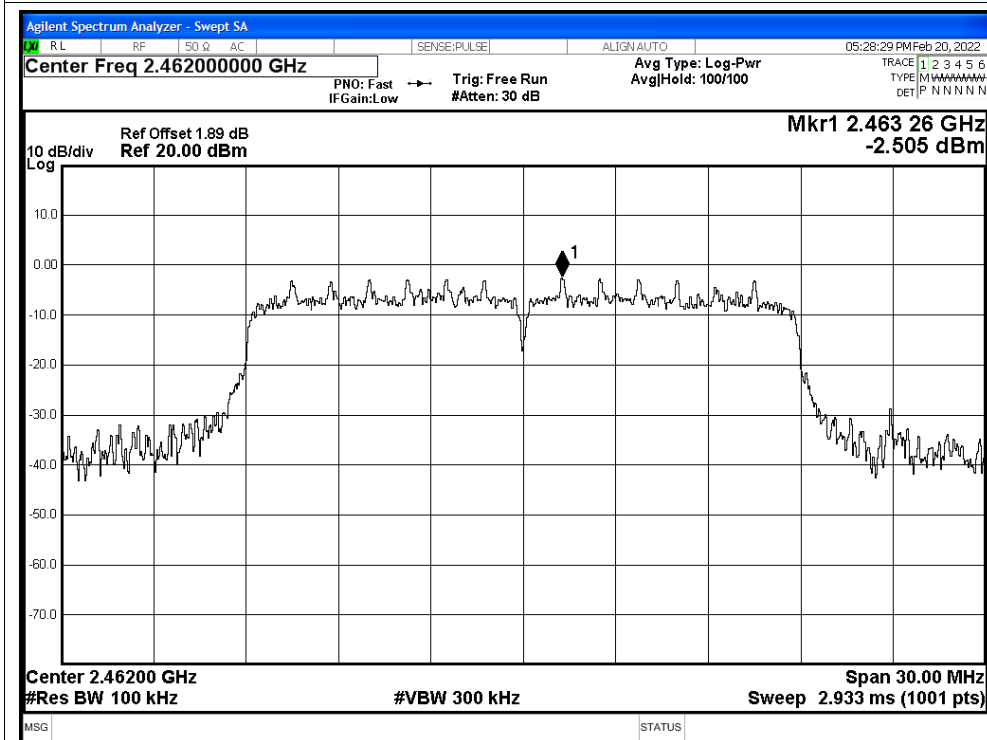


Band Edge NVNT n20 2412MHz Ant Emission

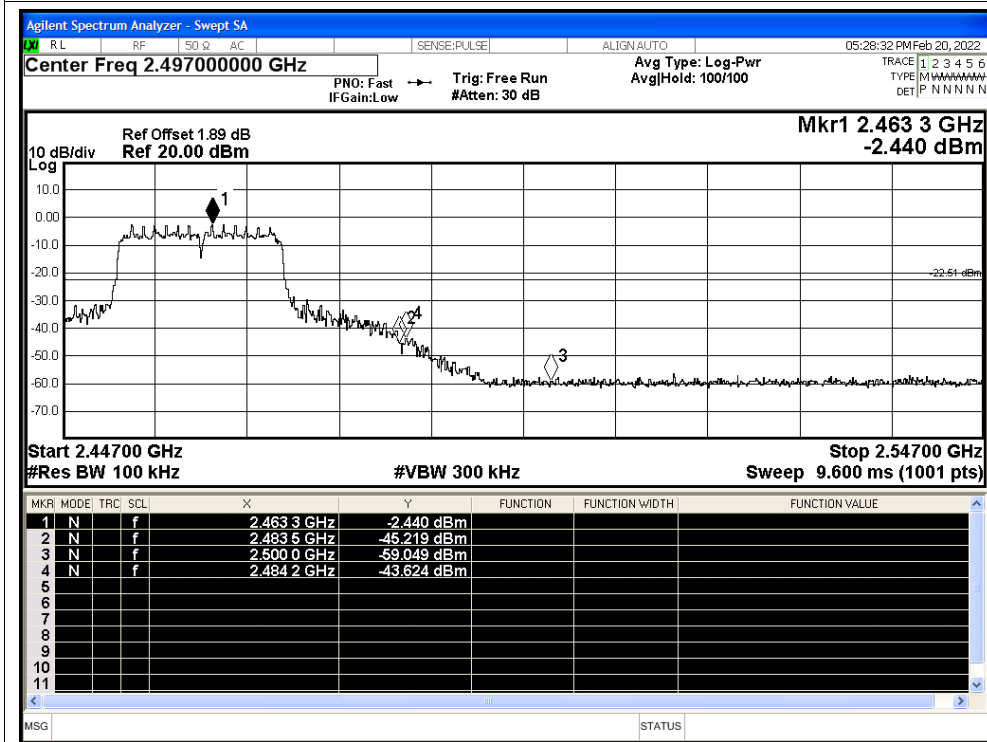




Band Edge NVNT n20 2462MHz Ant Ref

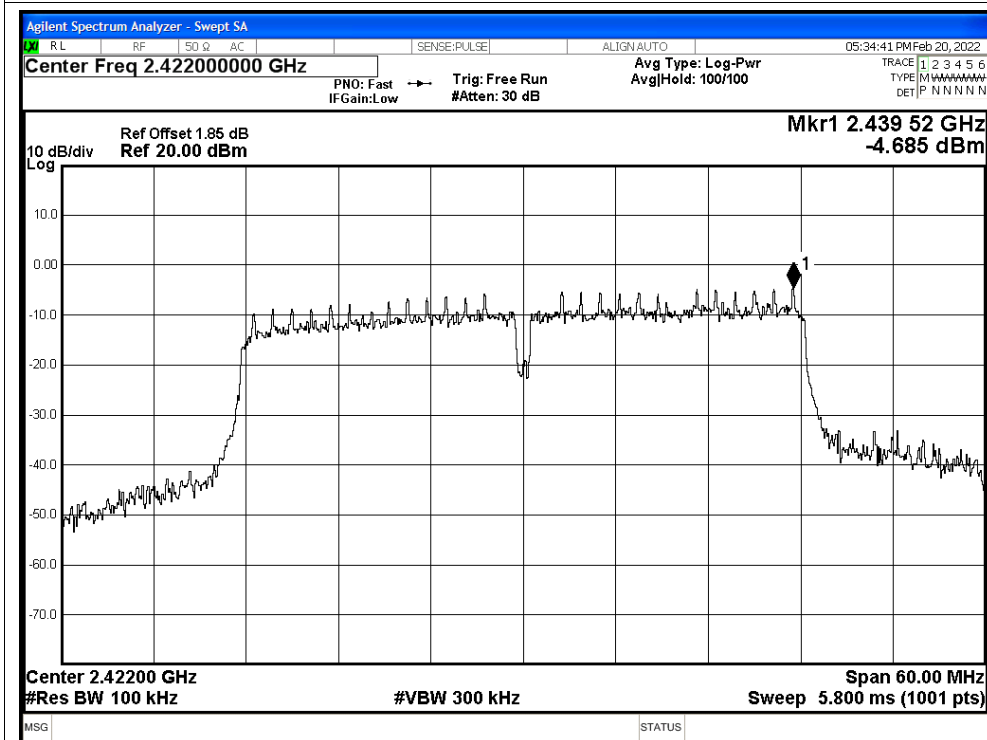


Band Edge NVNT n20 2462MHz Ant Emission

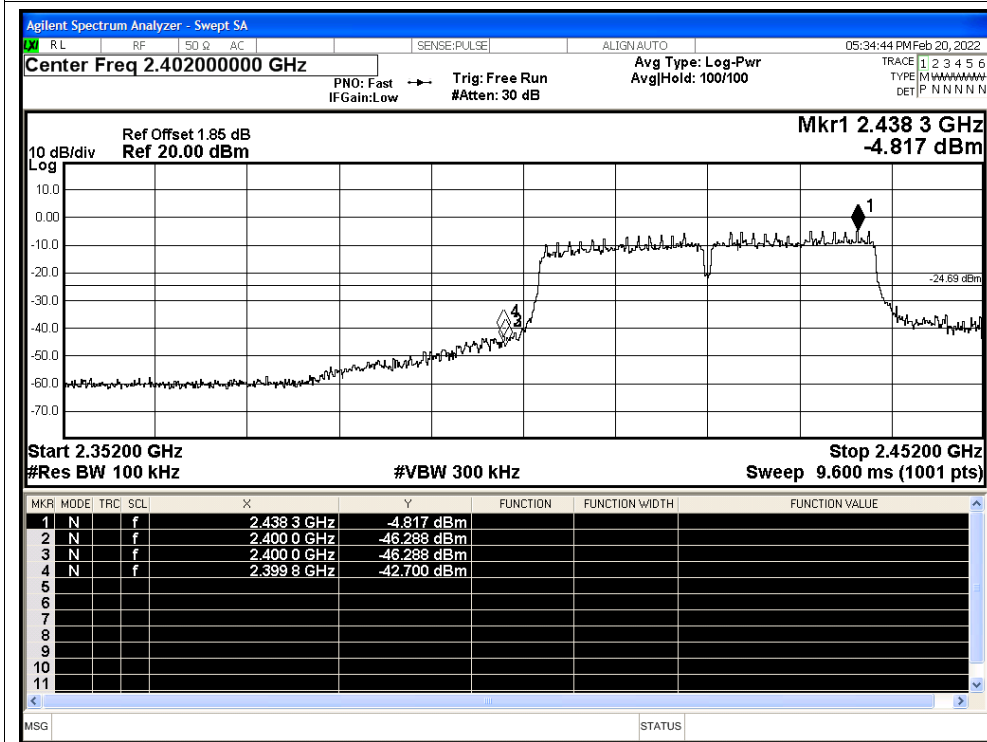




Band Edge NVNT n40 2422MHz Ant Ref

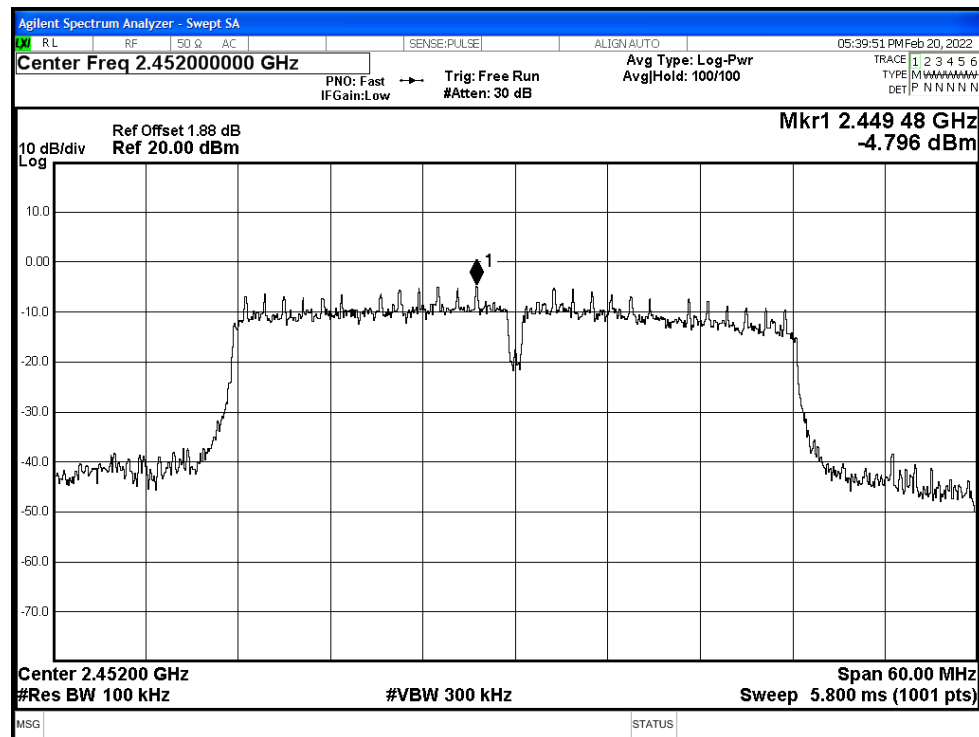


Band Edge NVNT n40 2422MHz Ant Emission

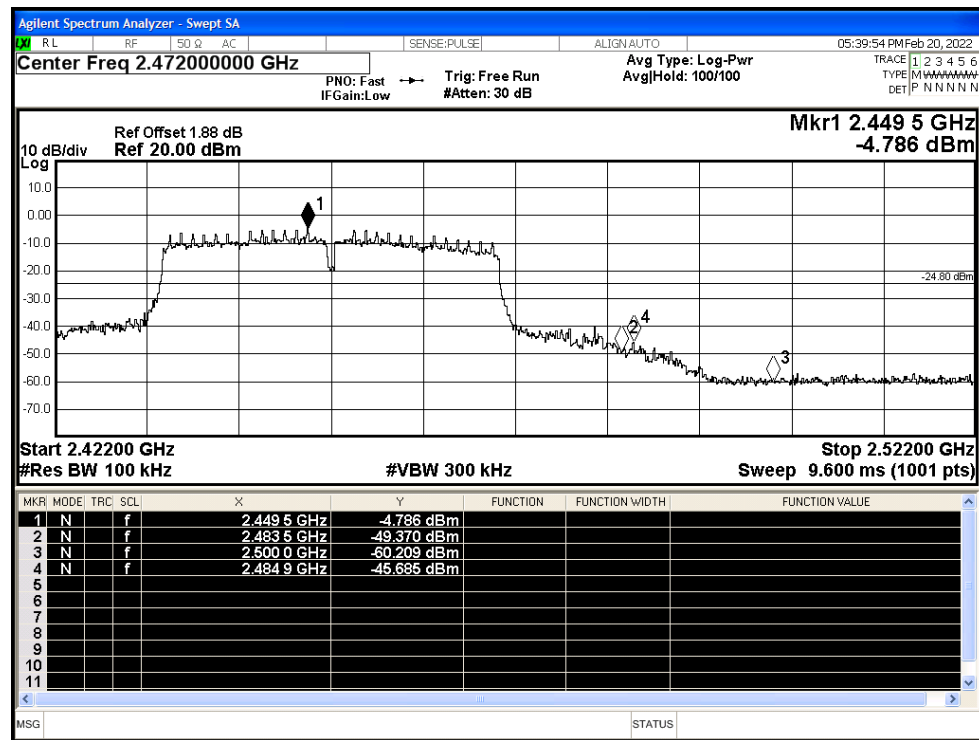




Band Edge NVNT n40 2452MHz Ant Ref



Band Edge NVNT n40 2452MHz Ant Emission





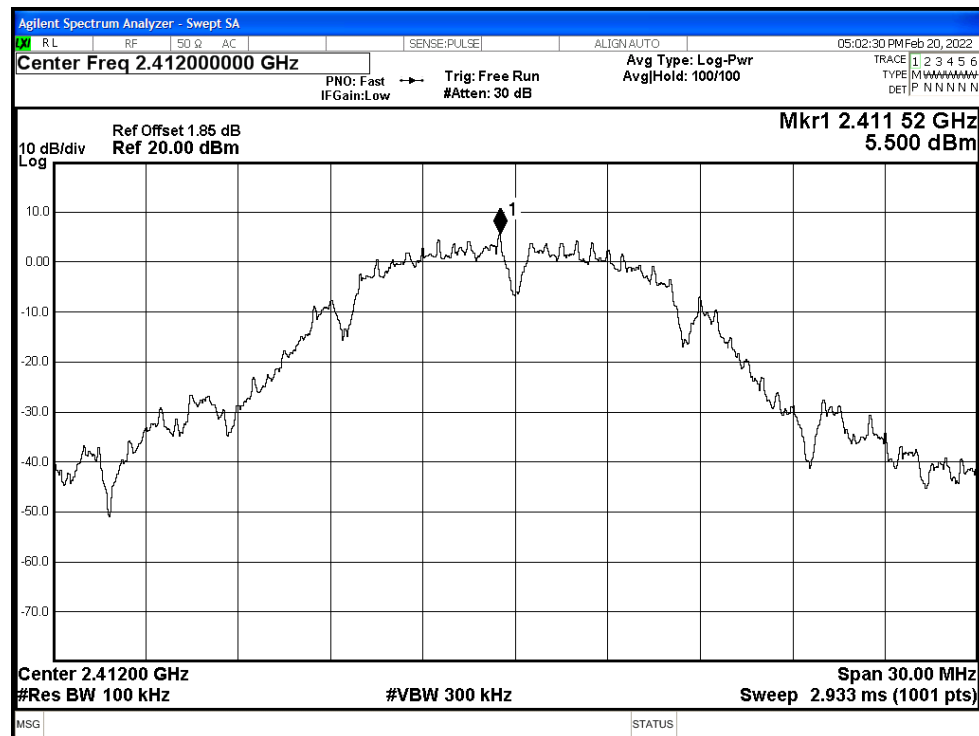
C.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant	-50.82	-20	Pass
NVNT	b	2437	Ant	-50.04	-20	Pass
NVNT	b	2462	Ant	-51.32	-20	Pass
NVNT	g	2412	Ant	-44.72	-20	Pass
NVNT	g	2437	Ant	-44.22	-20	Pass
NVNT	g	2462	Ant	-43.38	-20	Pass
NVNT	n20	2412	Ant	-43.89	-20	Pass
NVNT	n20	2437	Ant	-42.92	-20	Pass
NVNT	n20	2462	Ant	-43.39	-20	Pass
NVNT	n40	2422	Ant	-40.44	-20	Pass
NVNT	n40	2437	Ant	-40.15	-20	Pass
NVNT	n40	2452	Ant	-40.82	-20	Pass

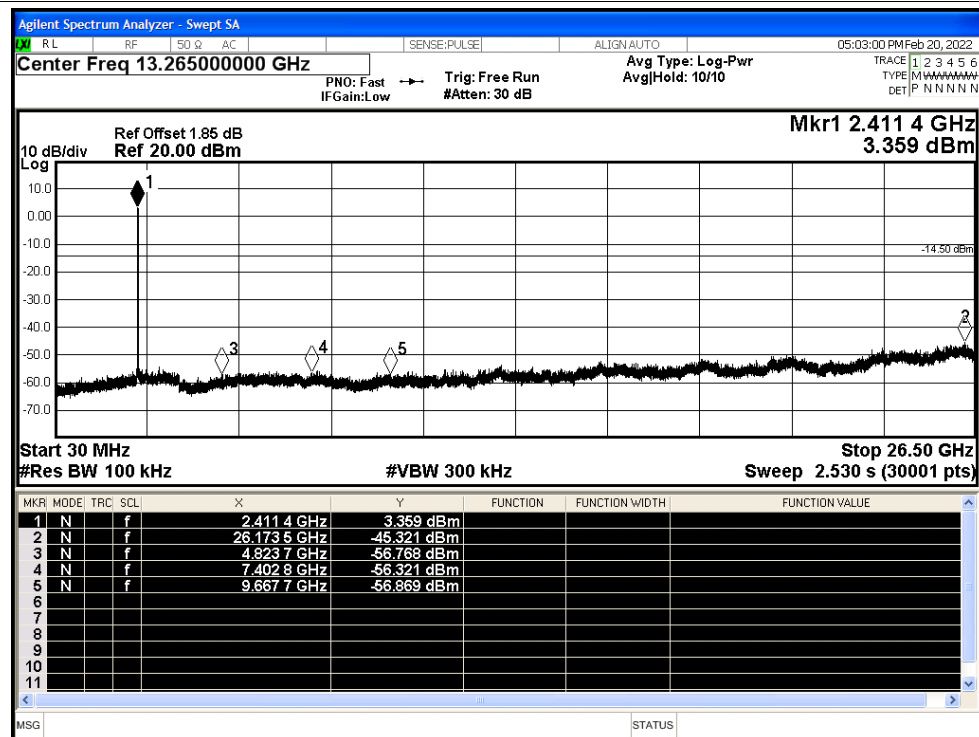


Test Graphs

Tx. Spurious NVNT b 2412MHz Ant Ref

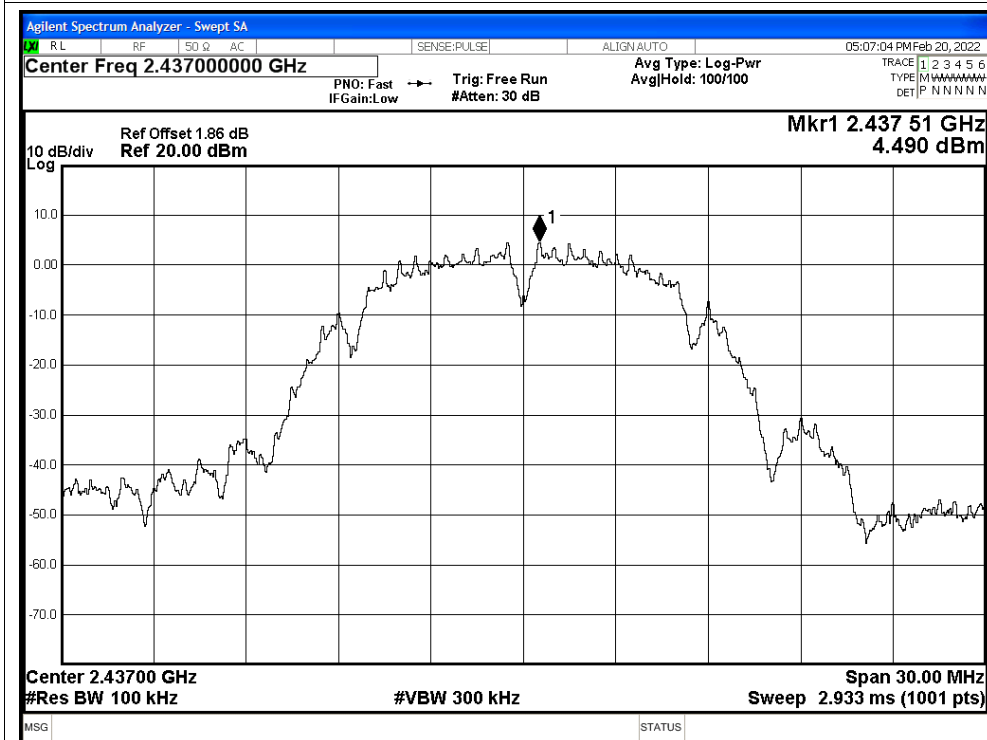


Tx. Spurious NVNT b 2412MHz Ant Emission

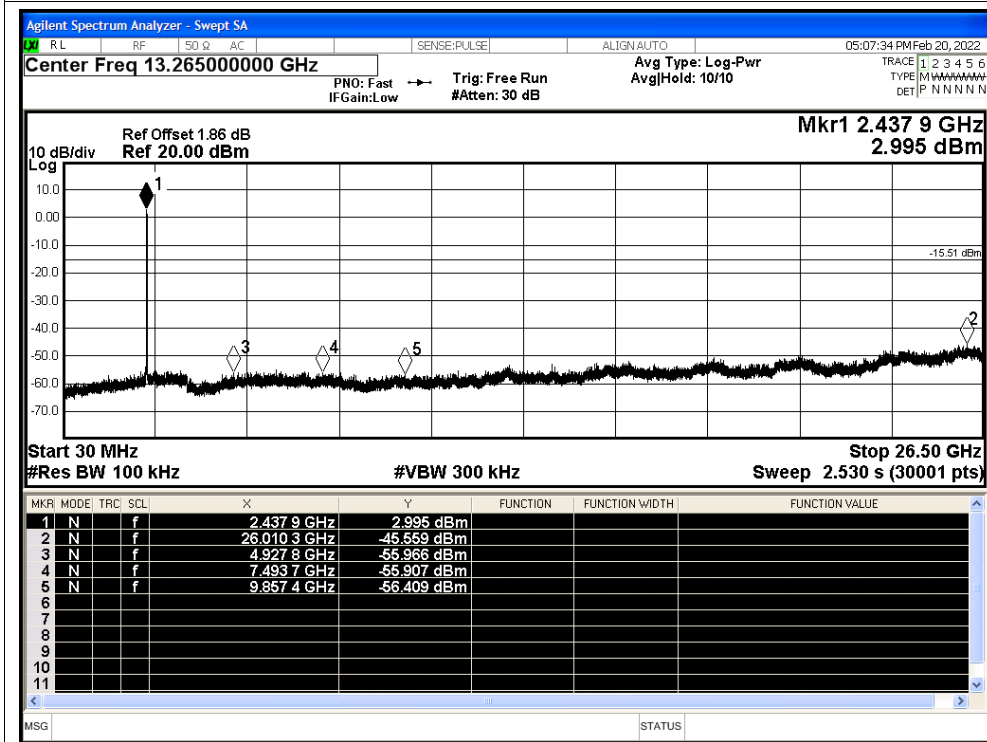




Tx. Spurious NVNT b 2437MHz Ant Ref

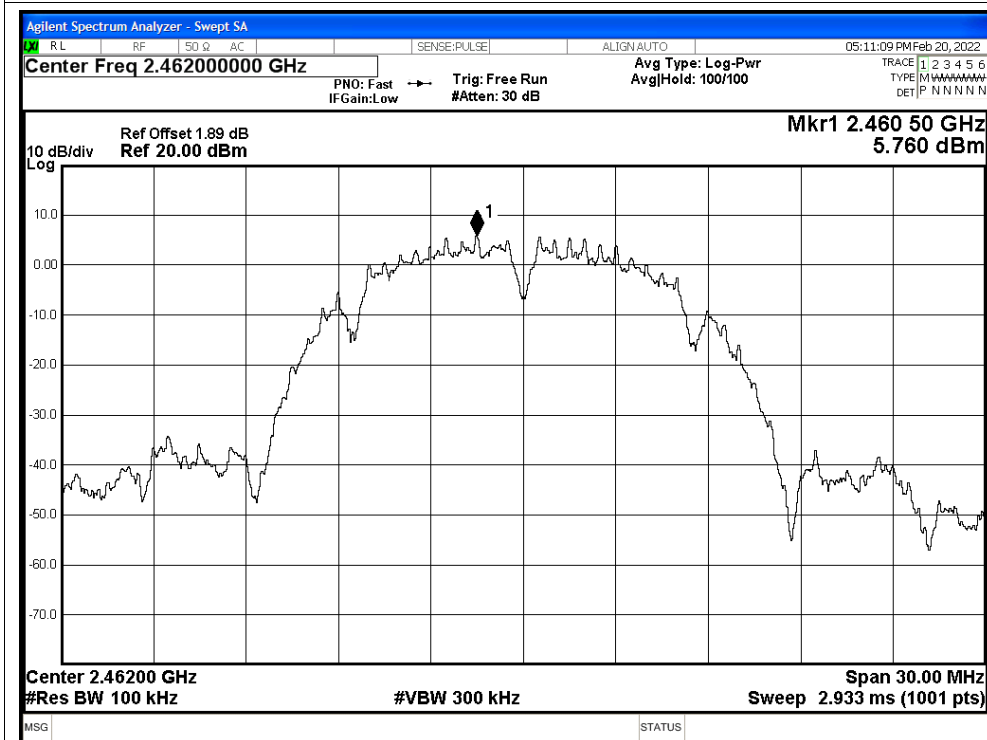


Tx. Spurious NVNT b 2437MHz Ant Emission

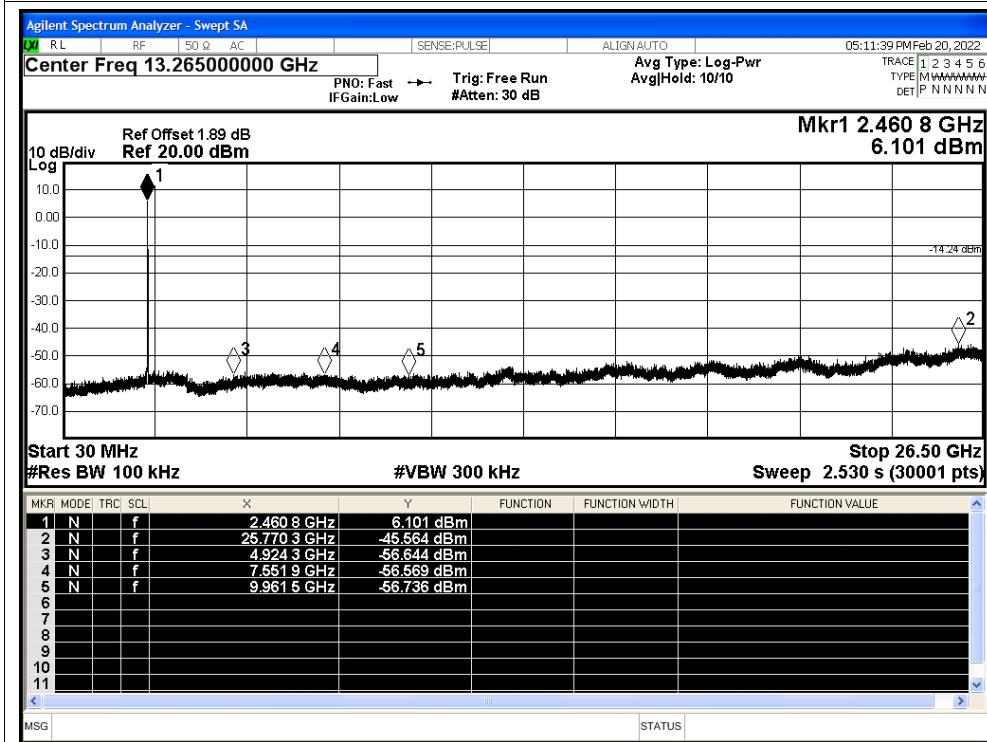




Tx. Spurious NVNT b 2462MHz Ant Ref

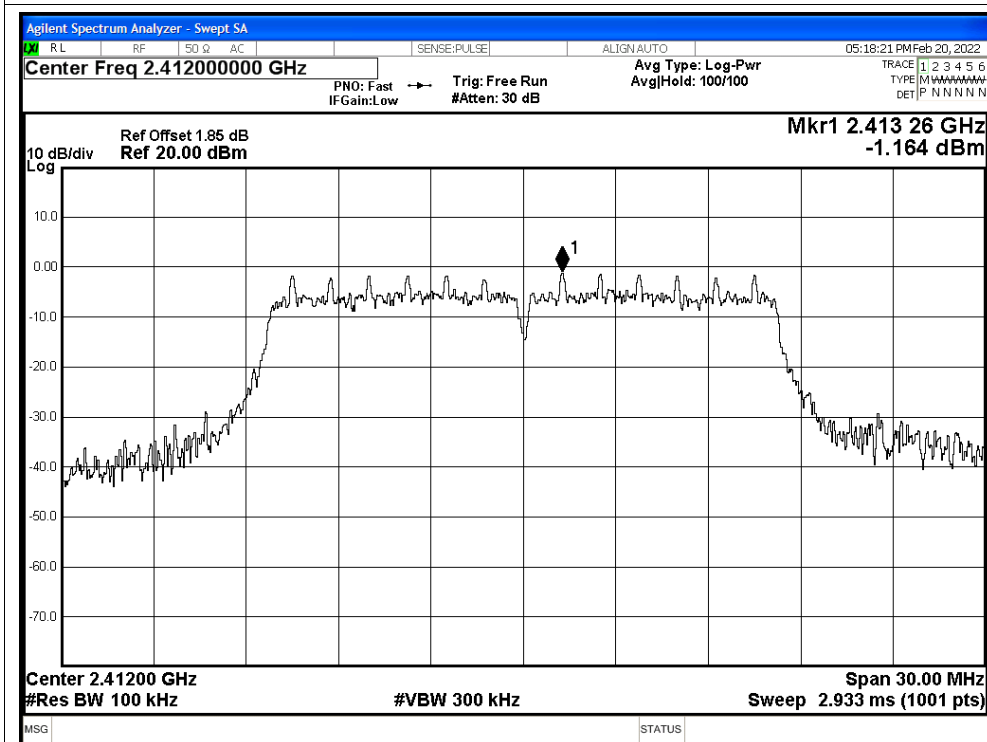


Tx. Spurious NVNT b 2462MHz Ant Emission

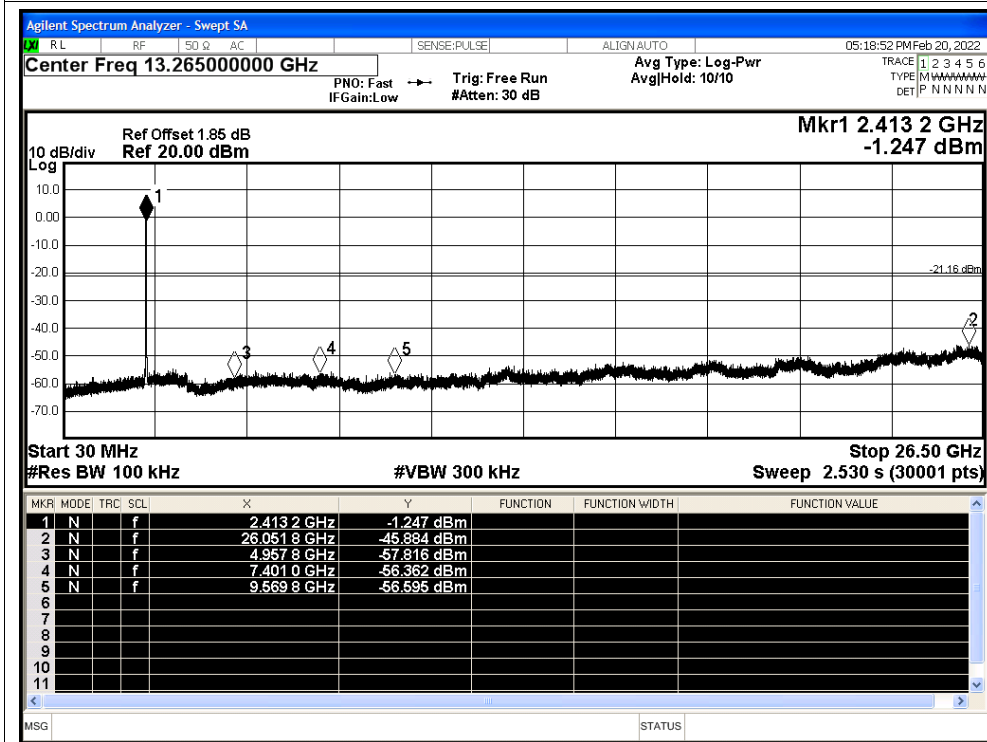




Tx. Spurious NVNT g 2412MHz Ant Ref

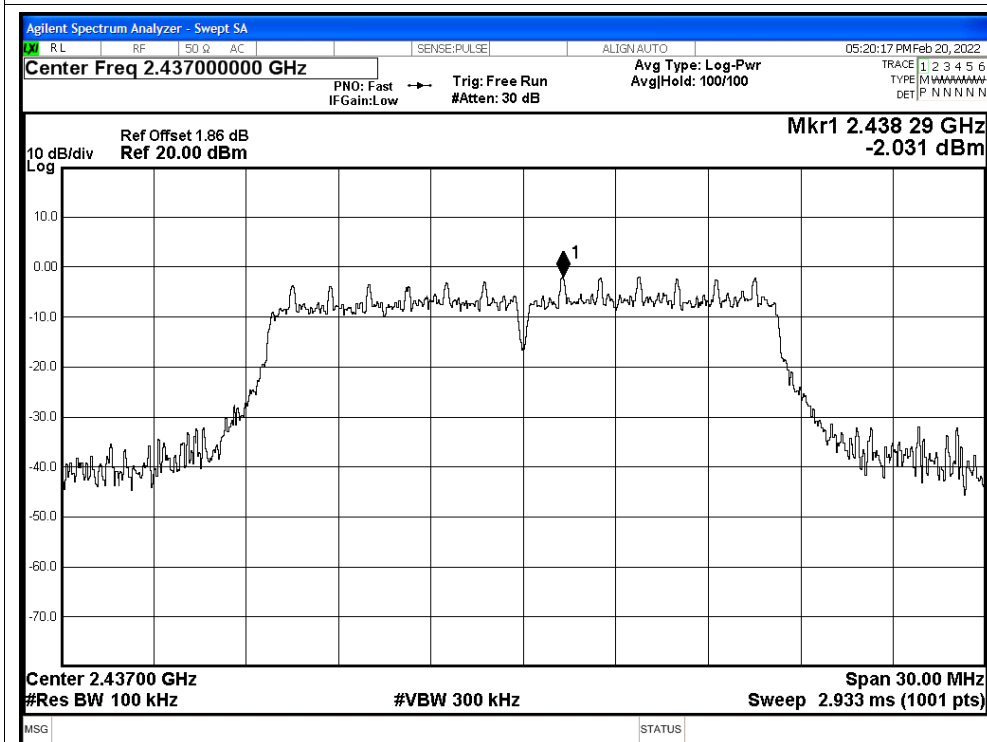


Tx. Spurious NVNT g 2412MHz Ant Emission

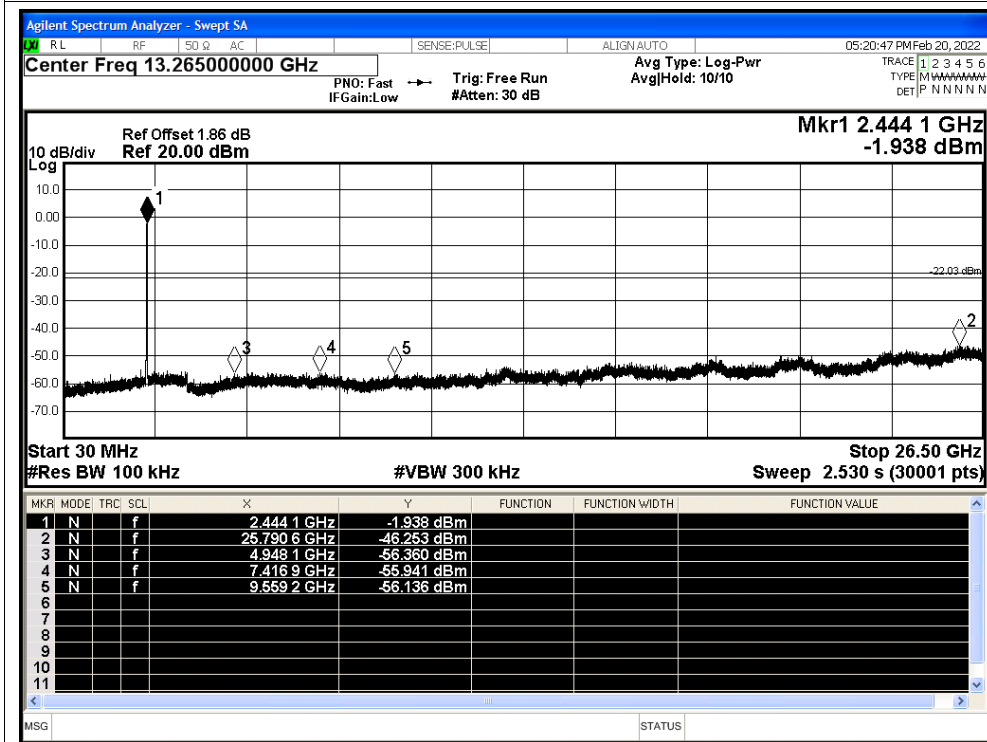




Tx. Spurious NVNT g 2437MHz Ant Ref

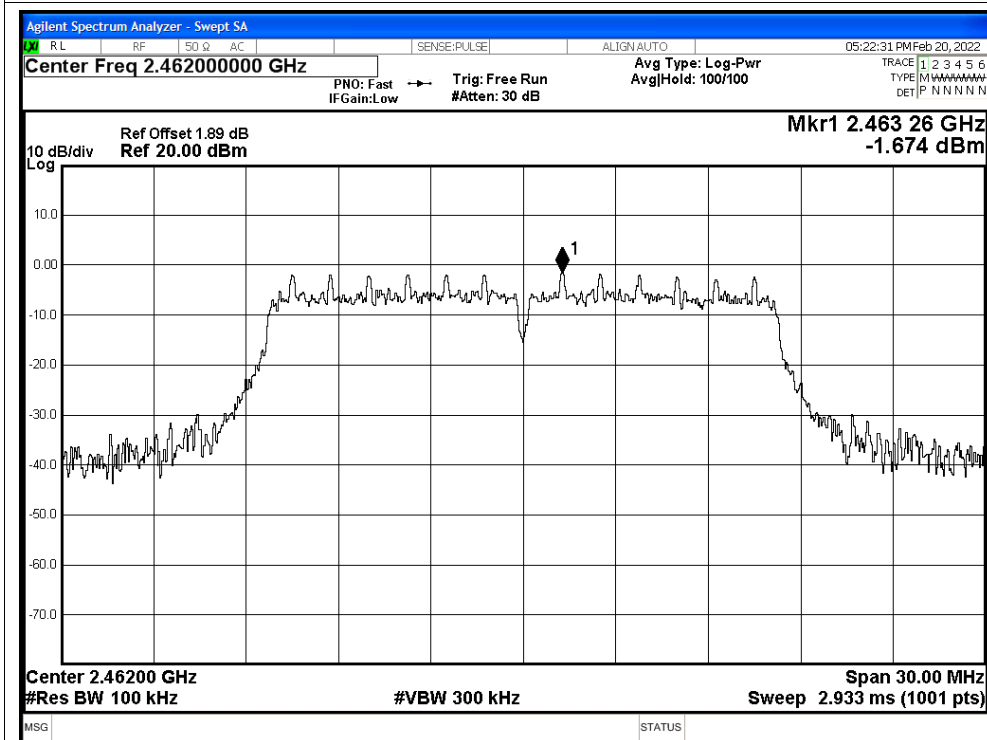


Tx. Spurious NVNT g 2437MHz Ant Emission

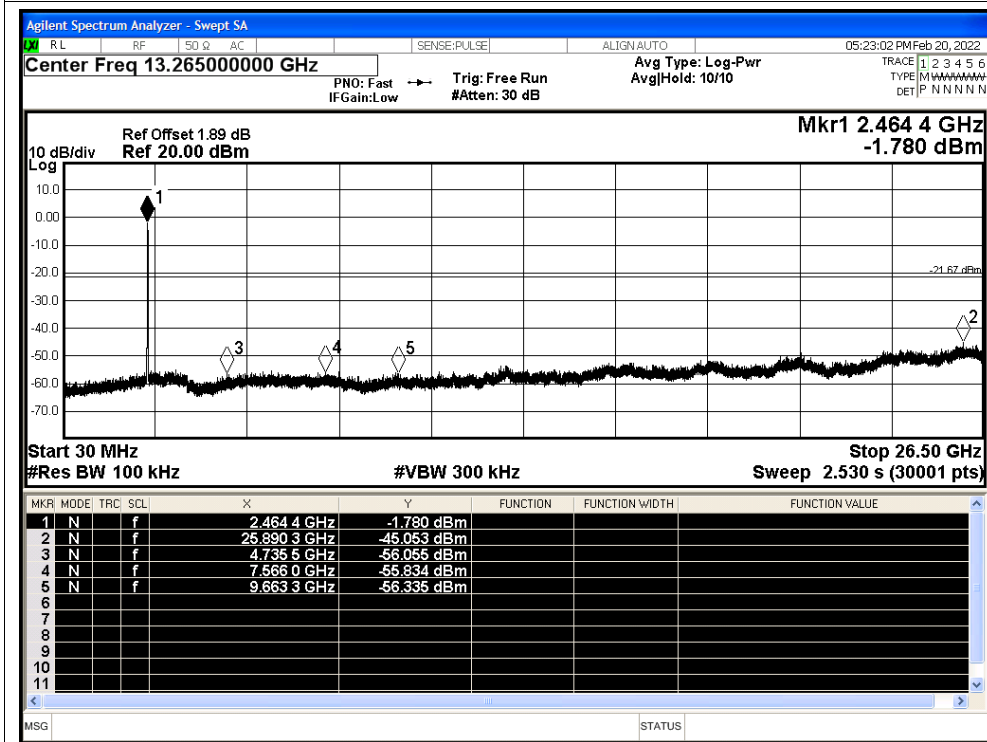




Tx. Spurious NVNT g 2462MHz Ant Ref

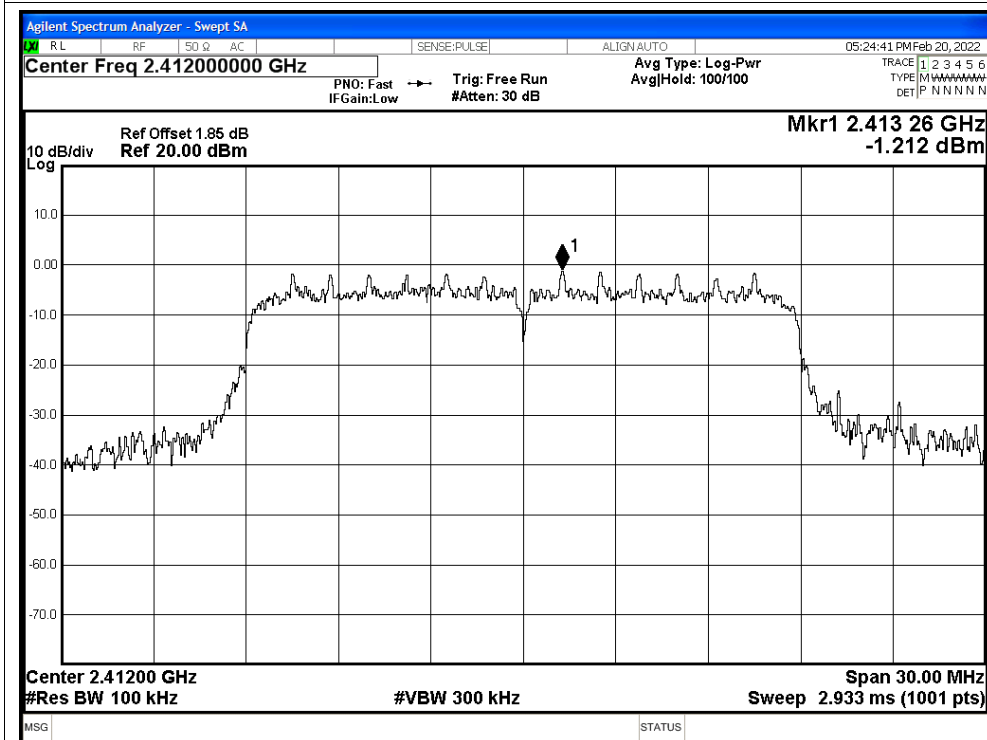


Tx. Spurious NVNT g 2462MHz Ant Emission

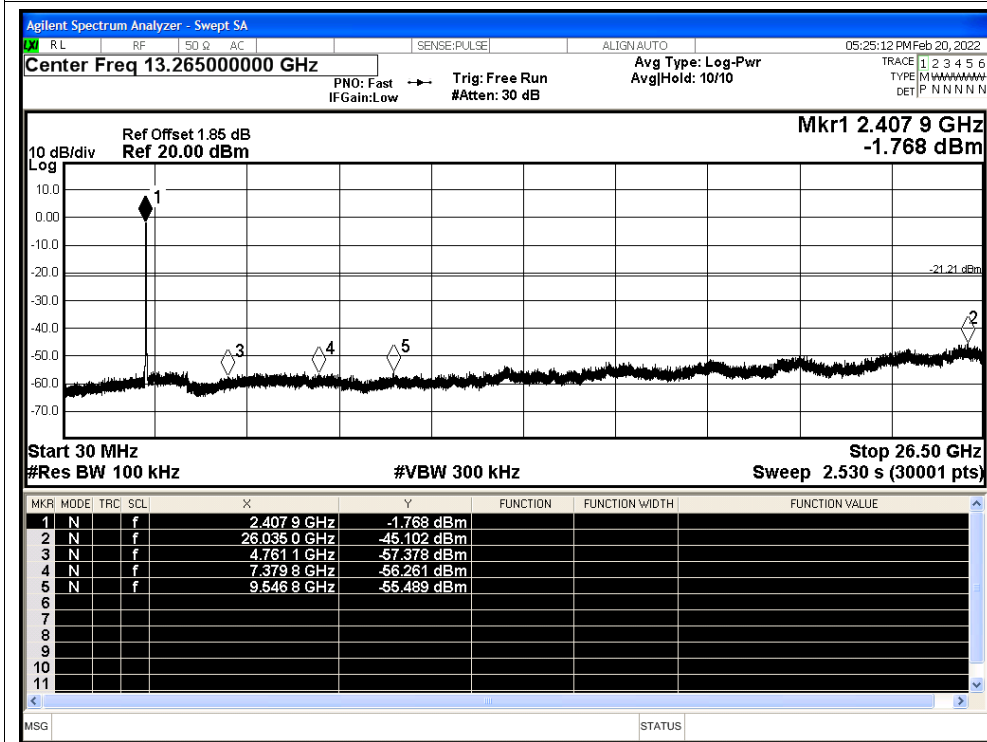




Tx. Spurious NVNT n20 2412MHz Ant Ref

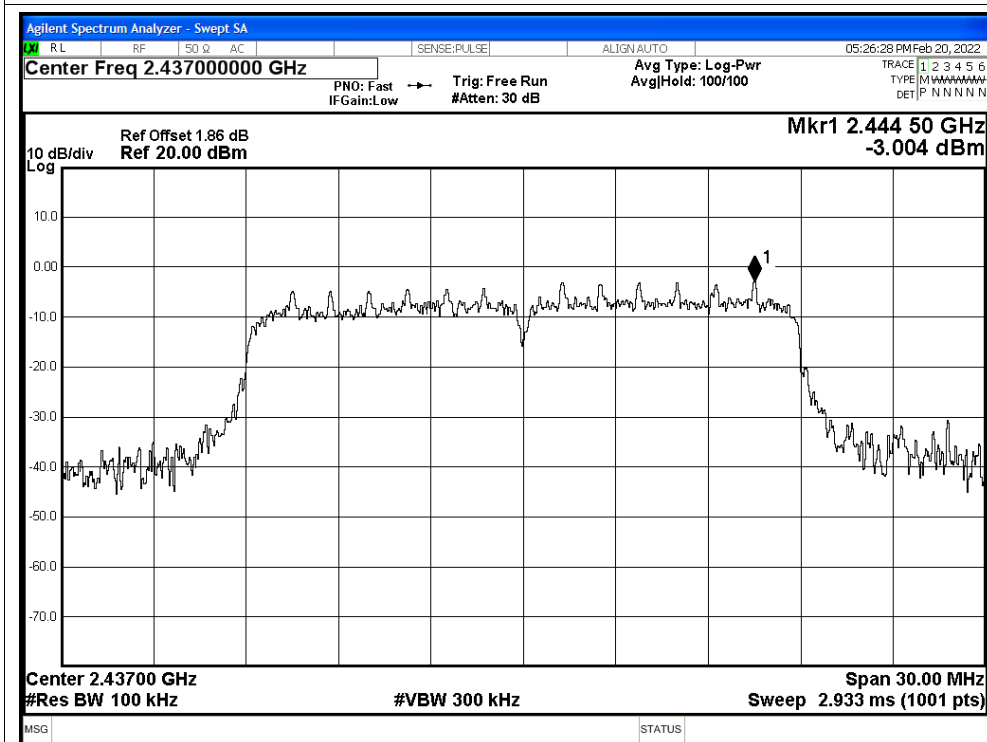


Tx. Spurious NVNT n20 2412MHz Ant Emission

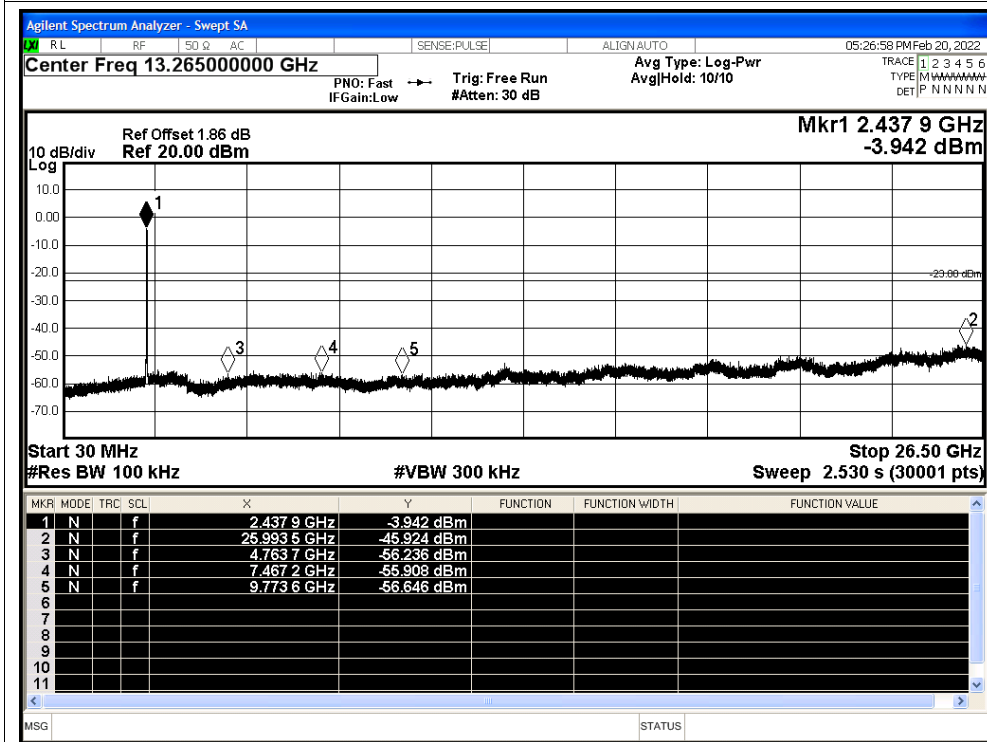




Tx. Spurious NVNT n20 2437MHz Ant Ref

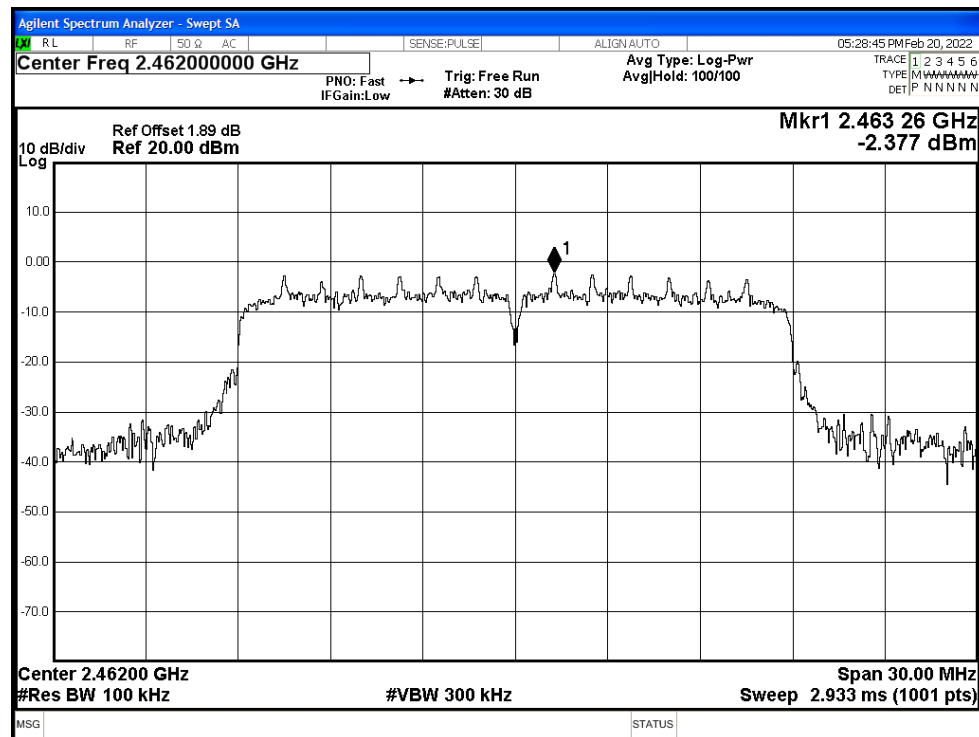


Tx. Spurious NVNT n20 2437MHz Ant Emission

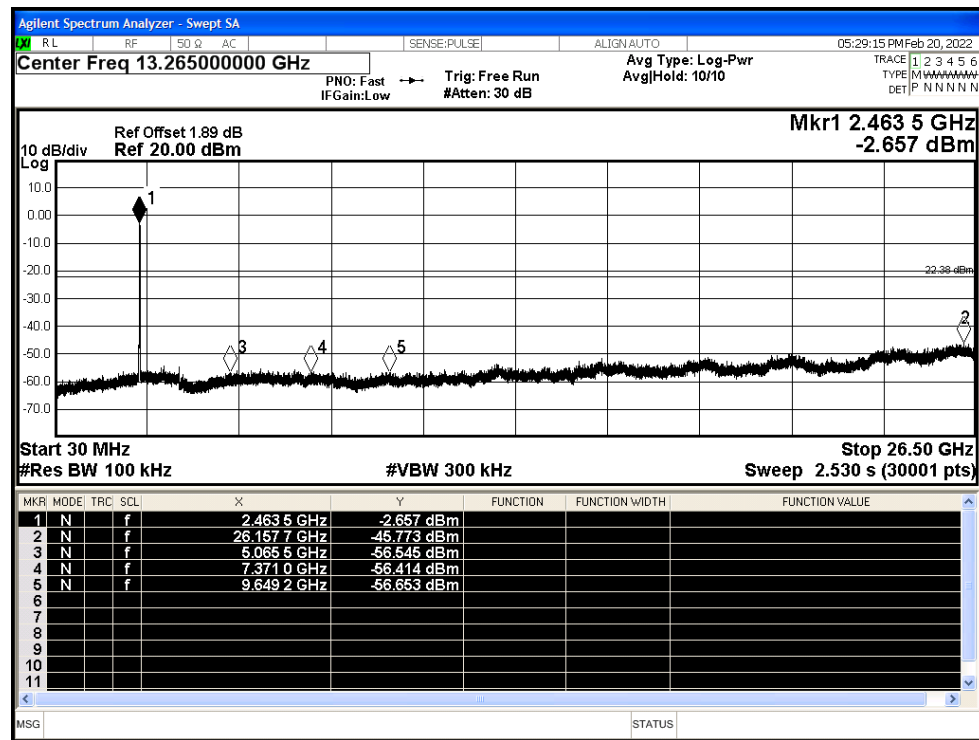




Tx. Spurious NVNT n20 2462MHz Ant Ref

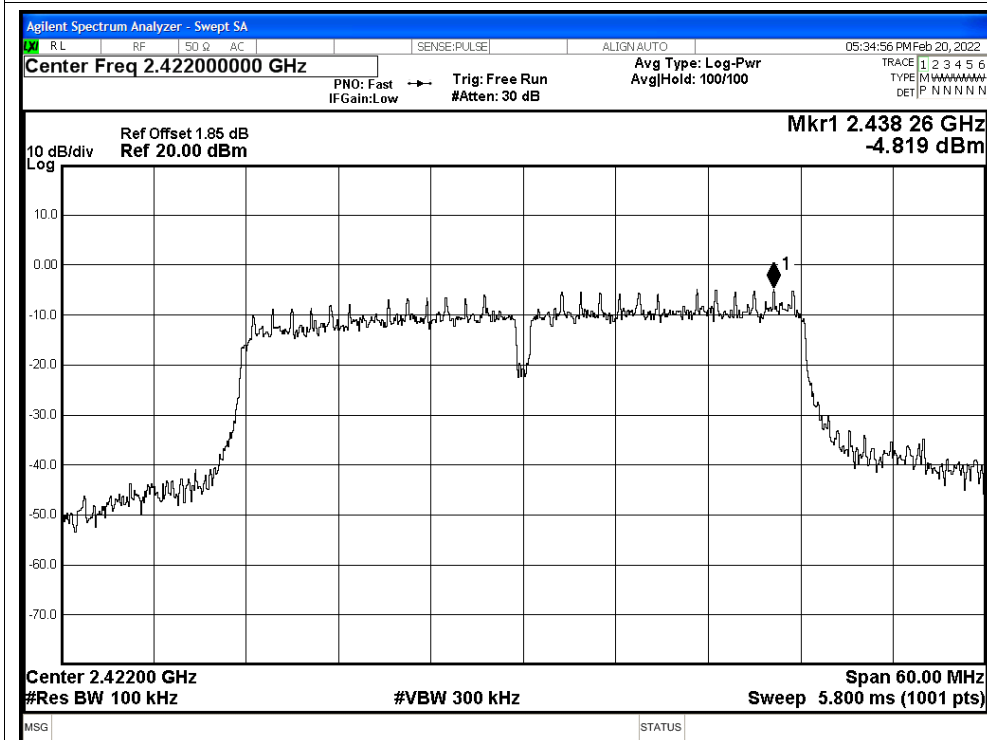


Tx. Spurious NVNT n20 2462MHz Ant Emission

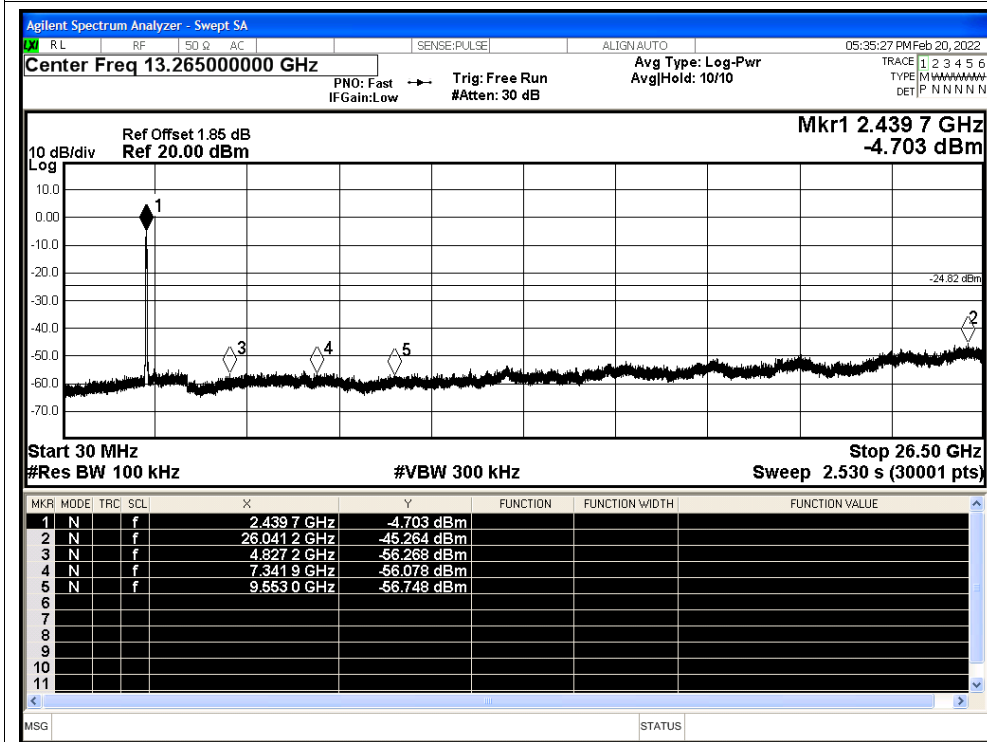




Tx. Spurious NVNT n40 2422MHz Ant Ref

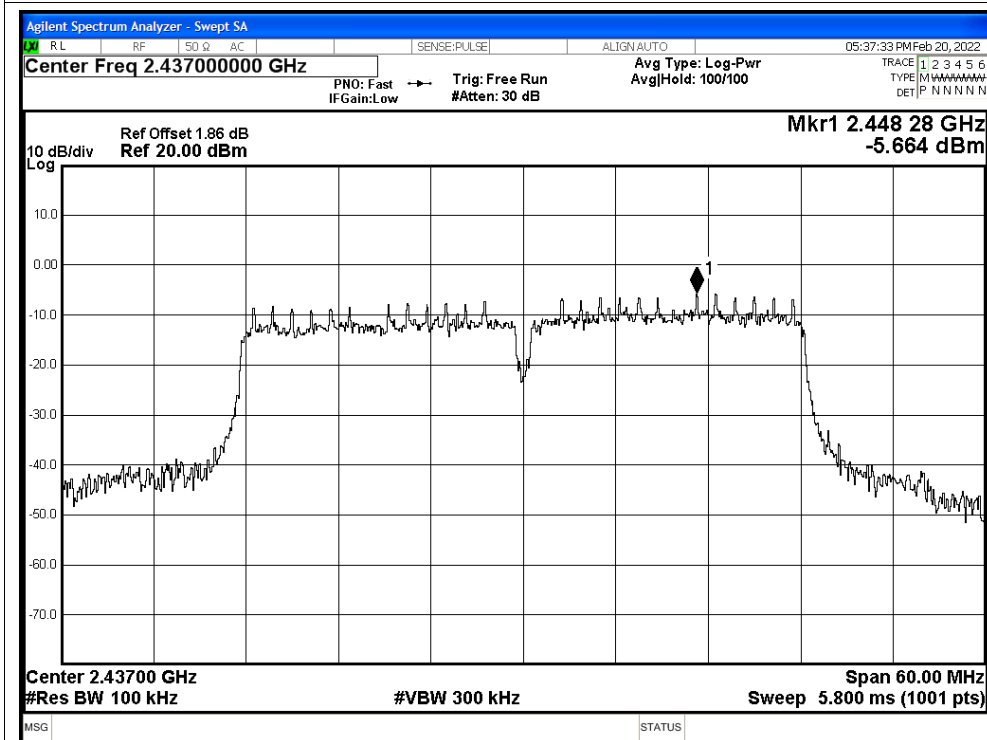


Tx. Spurious NVNT n40 2422MHz Ant Emission

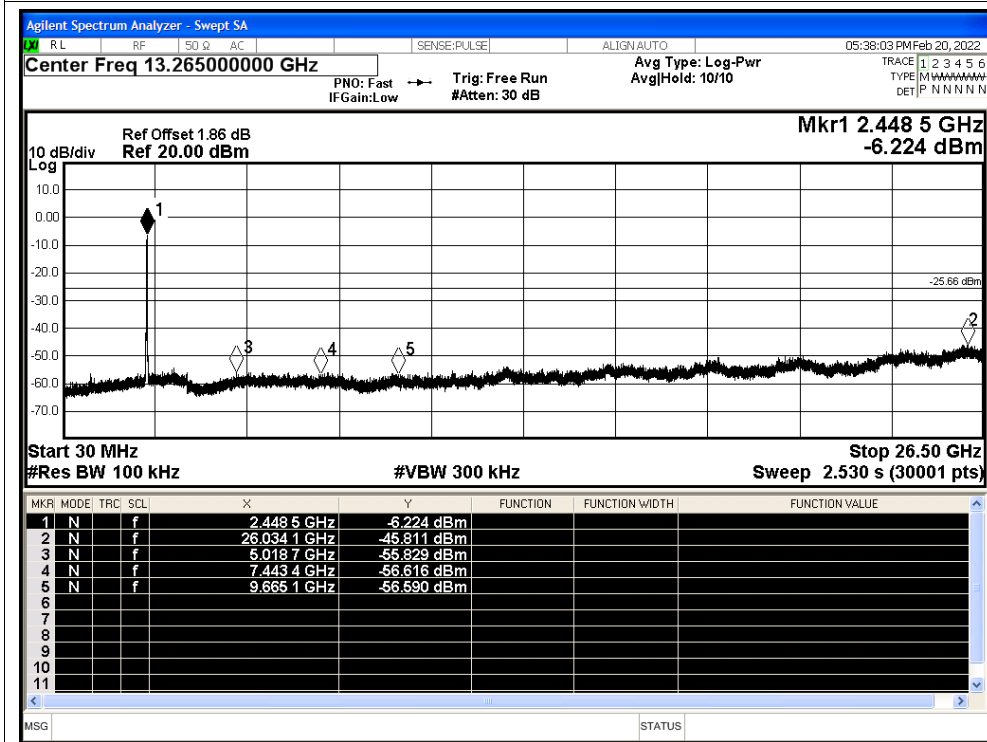




Tx. Spurious NVNT n40 2437MHz Ant Ref

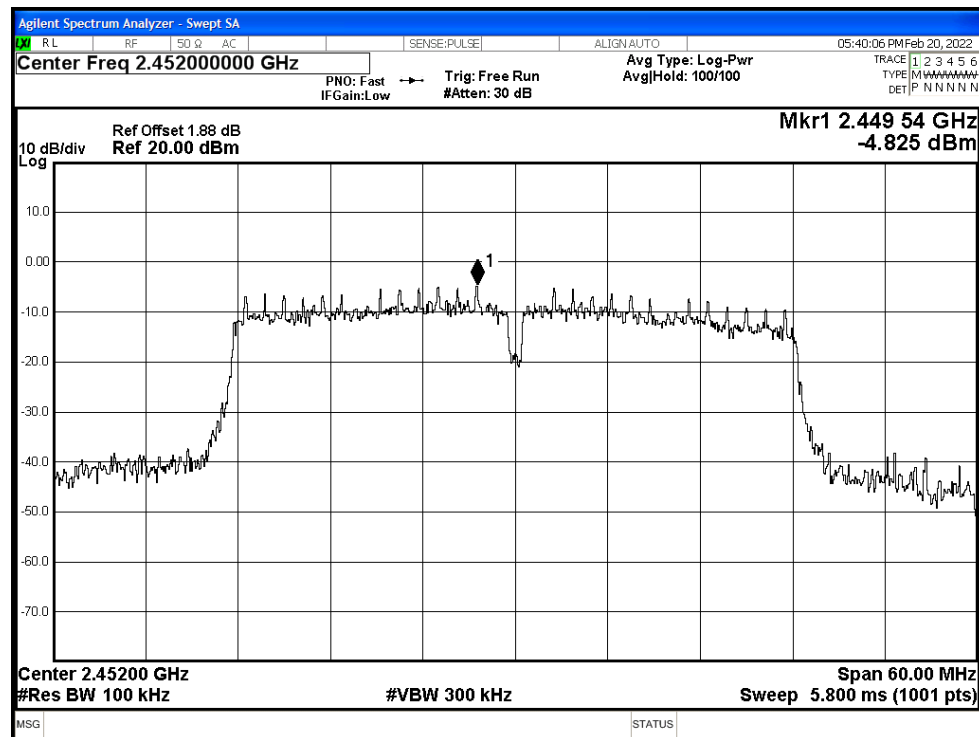


Tx. Spurious NVNT n40 2437MHz Ant Emission

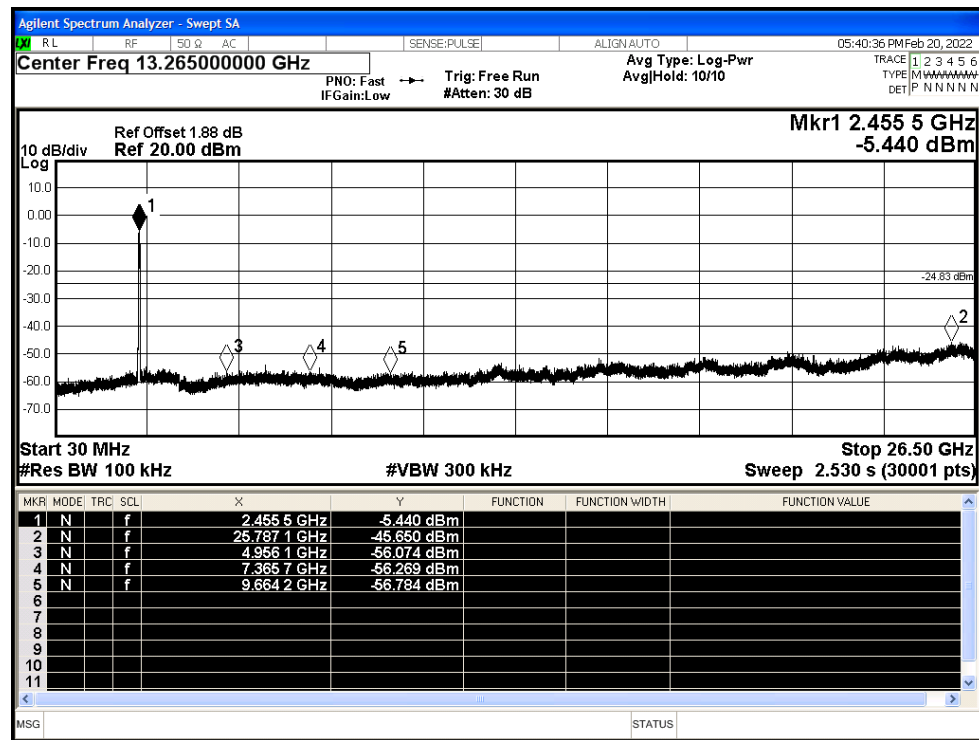




Tx. Spurious NVNT n40 2452MHz Ant Ref



Tx. Spurious NVNT n40 2452MHz Ant Emission





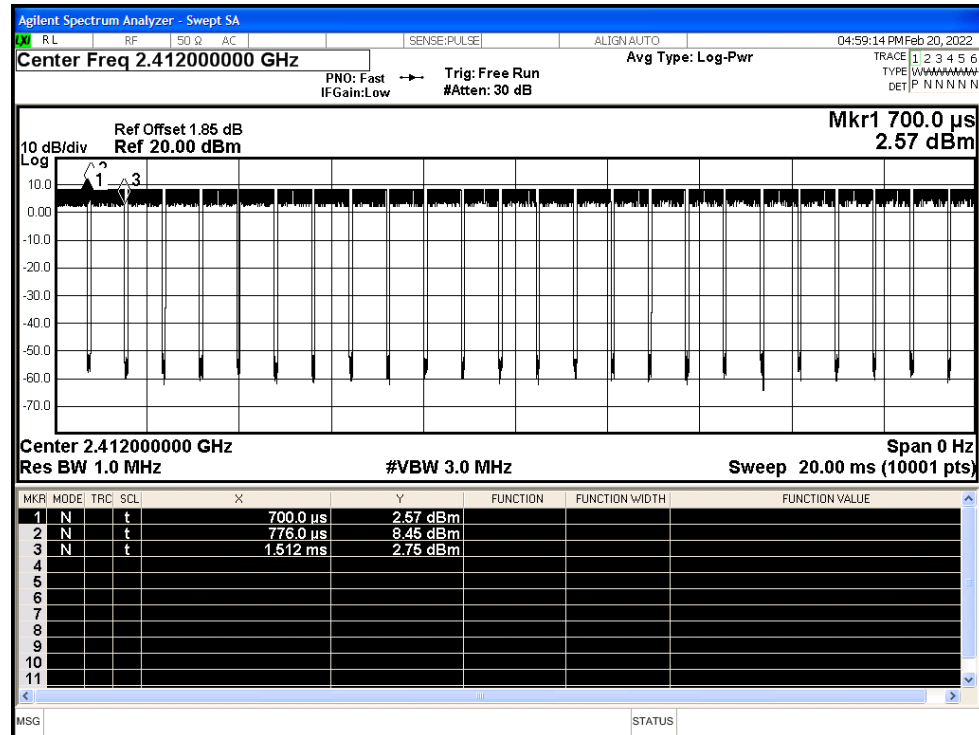
C.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant	90.64	0.43	1.36
NVNT	b	2437	Ant	90.89	0.41	1.36
NVNT	b	2462	Ant	90.89	0.41	1.36
NVNT	g	2412	Ant	61.7	2.1	8.62
NVNT	g	2437	Ant	62.77	2.02	8.47
NVNT	g	2462	Ant	61.7	2.1	8.62
NVNT	n20	2412	Ant	62.37	2.05	8.62
NVNT	n20	2437	Ant	61.7	2.1	8.62
NVNT	n20	2462	Ant	61.7	2.1	8.62
NVNT	n40	2422	Ant	60	2.22	83.33
NVNT	n40	2437	Ant	50	3.01	125
NVNT	n40	2452	Ant	25	6.02	500

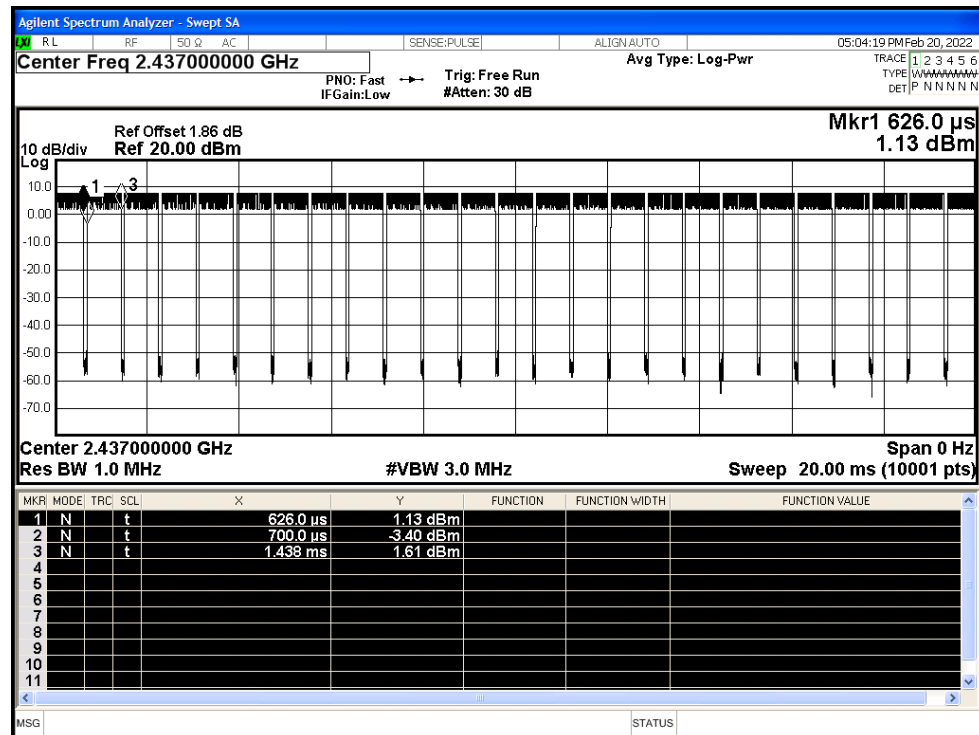


Test Graphs

Duty Cycle NVNT b 2412MHz Ant

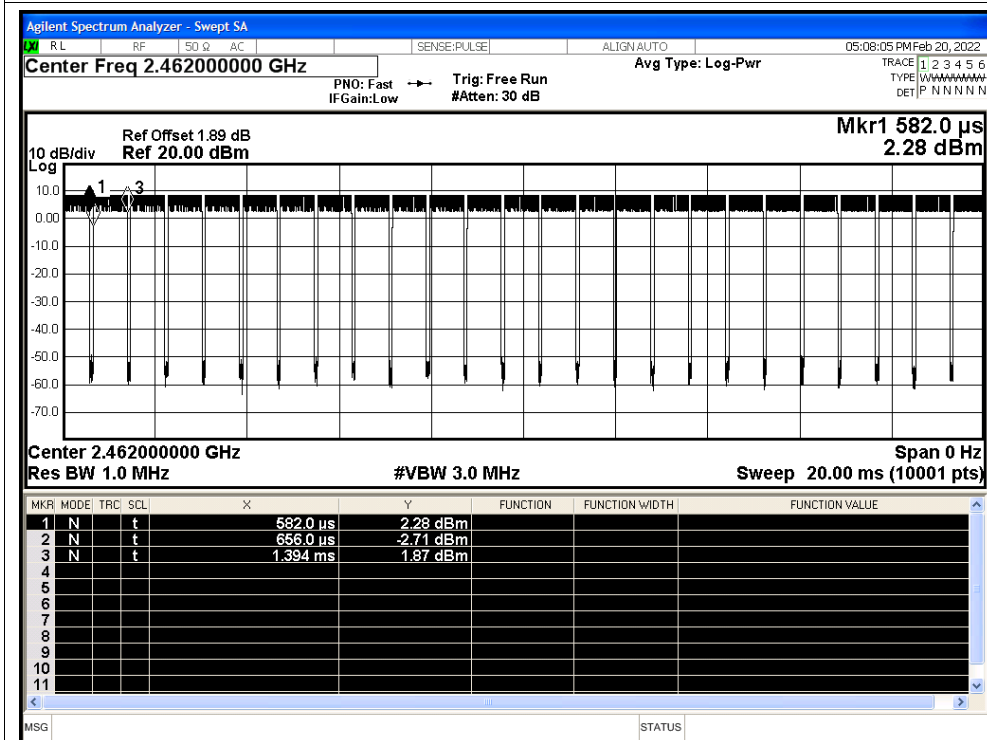


Duty Cycle NVNT b 2437MHz Ant

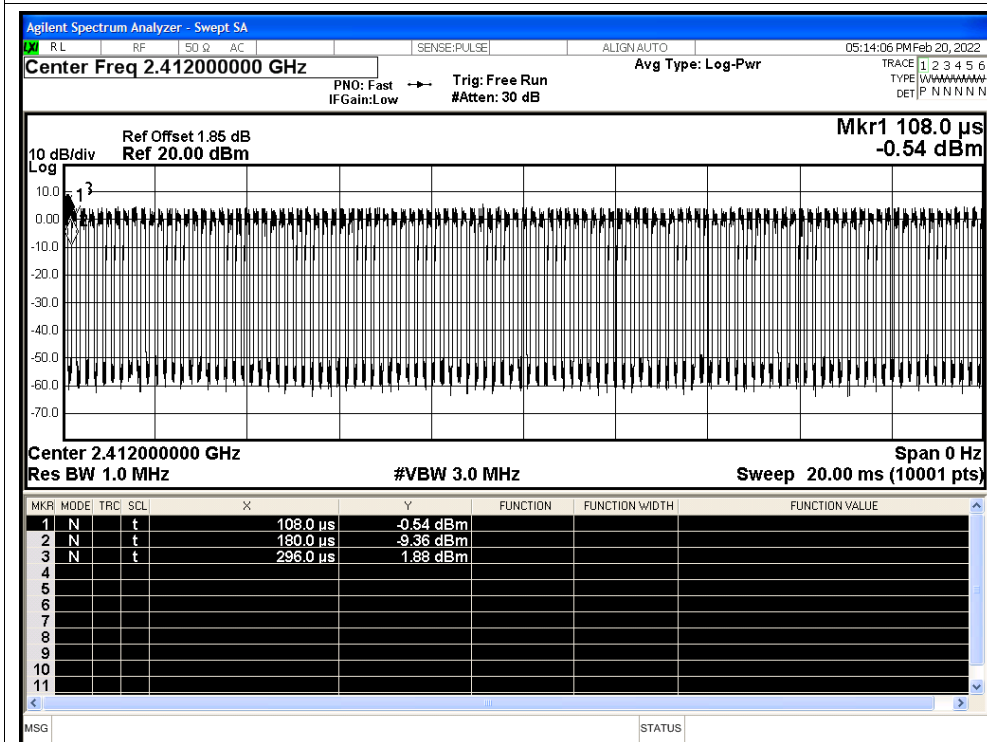




Duty Cycle NVNT b 2462MHz Ant

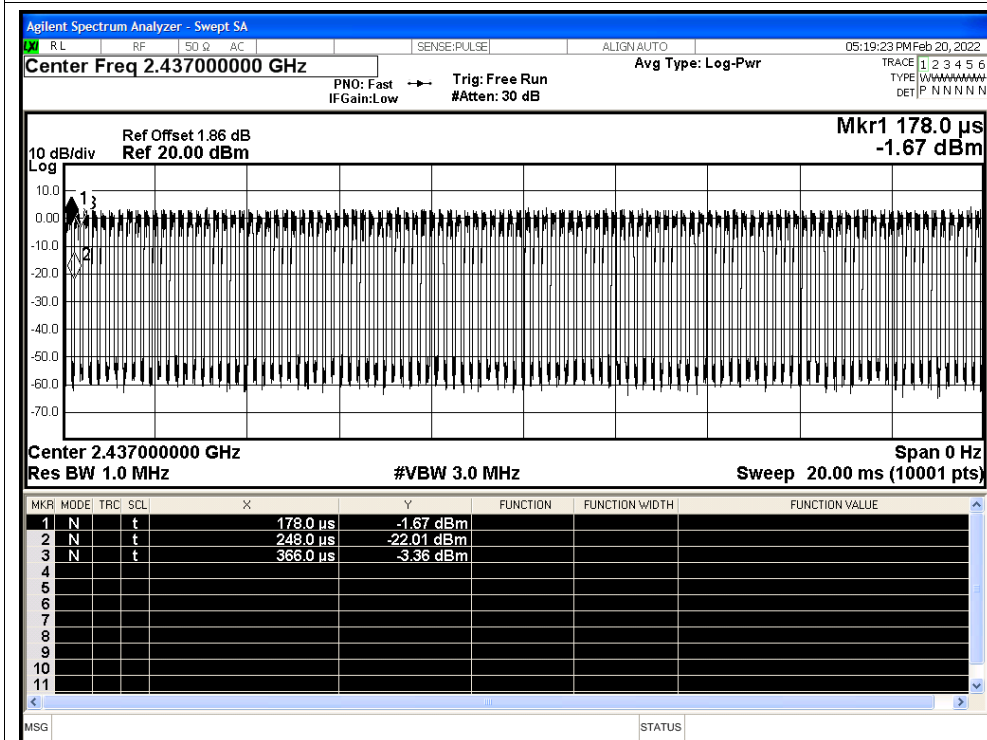


Duty Cycle NVNT g 2412MHz Ant

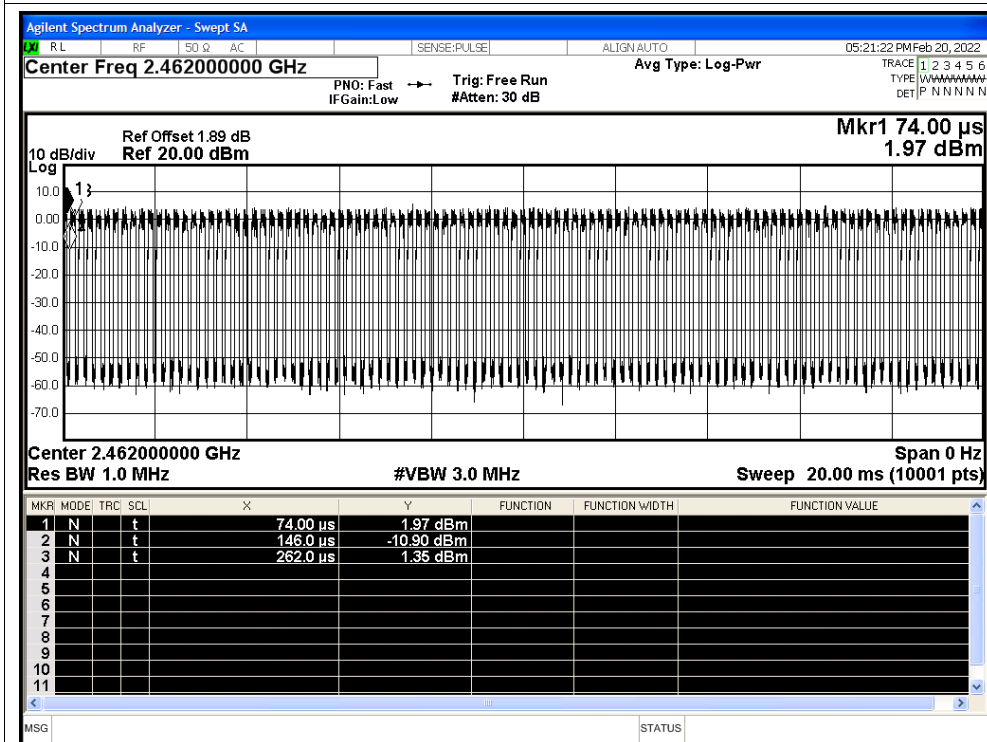




Duty Cycle NVNT g 2437MHz Ant

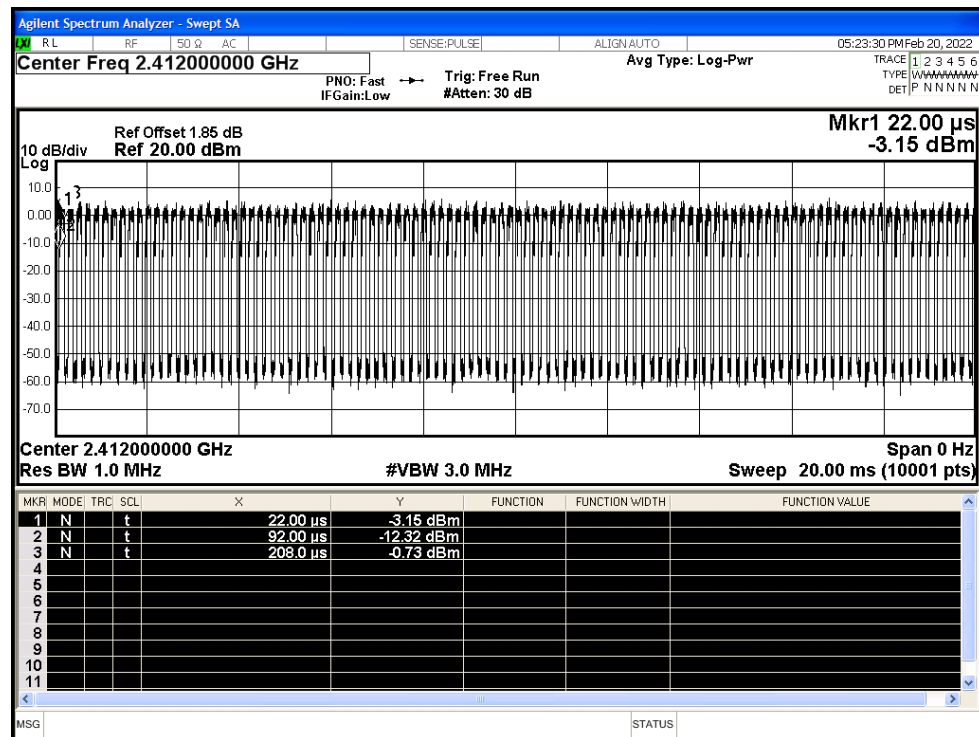


Duty Cycle NVNT g 2462MHz Ant

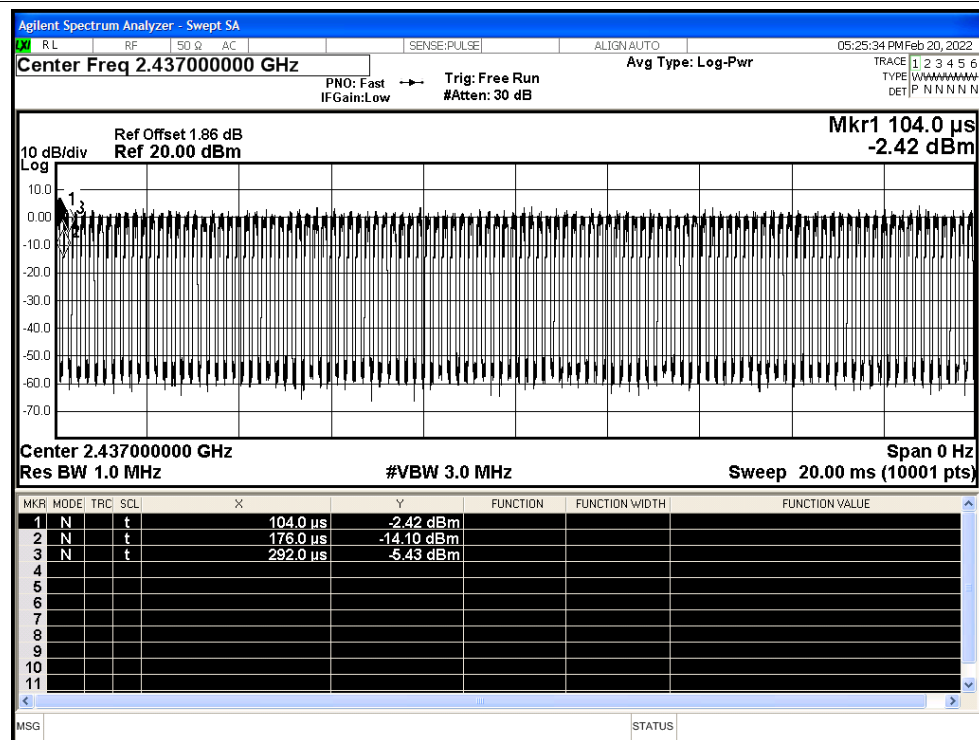




Duty Cycle NVNT n20 2412MHz Ant

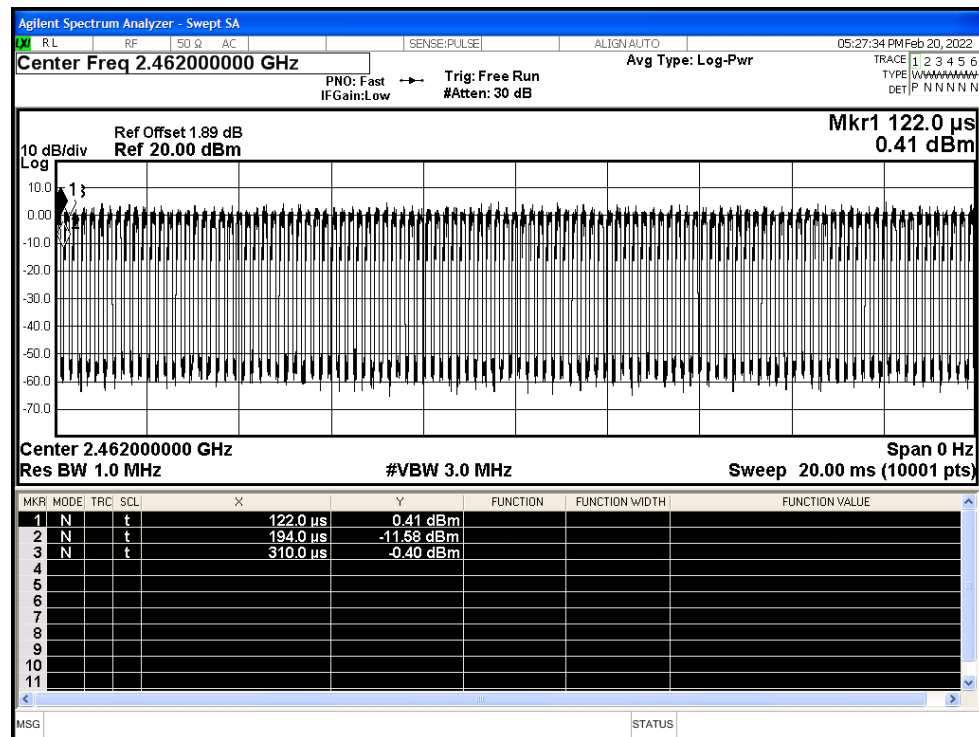


Duty Cycle NVNT n20 2437MHz Ant

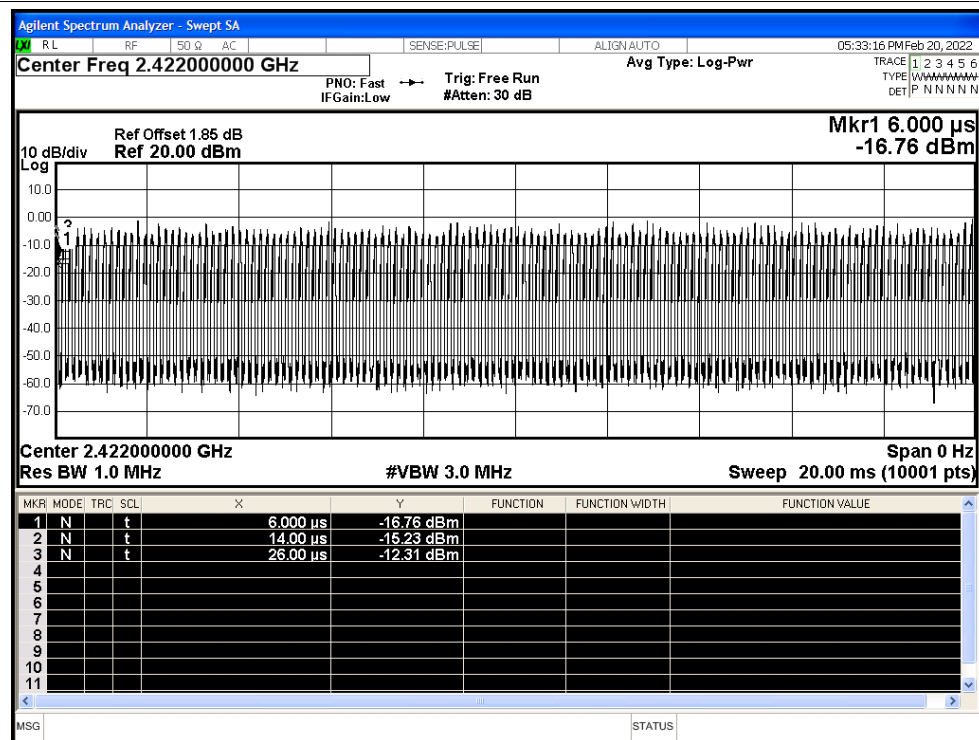




Duty Cycle NVNT n20 2462MHz Ant

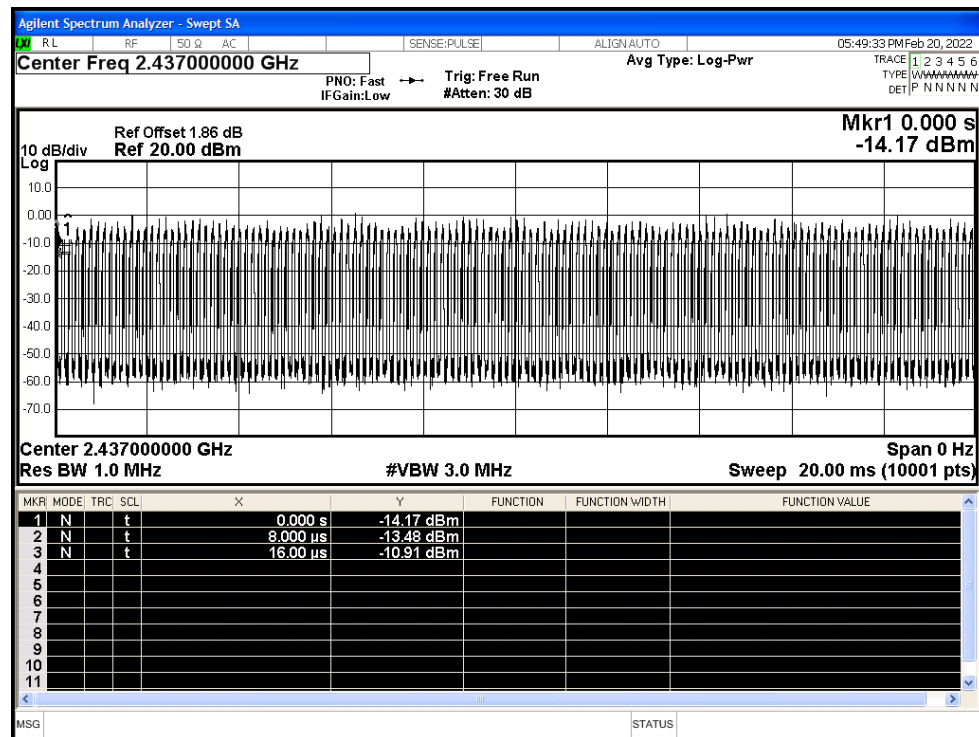


Duty Cycle NVNT n40 2422MHz Ant

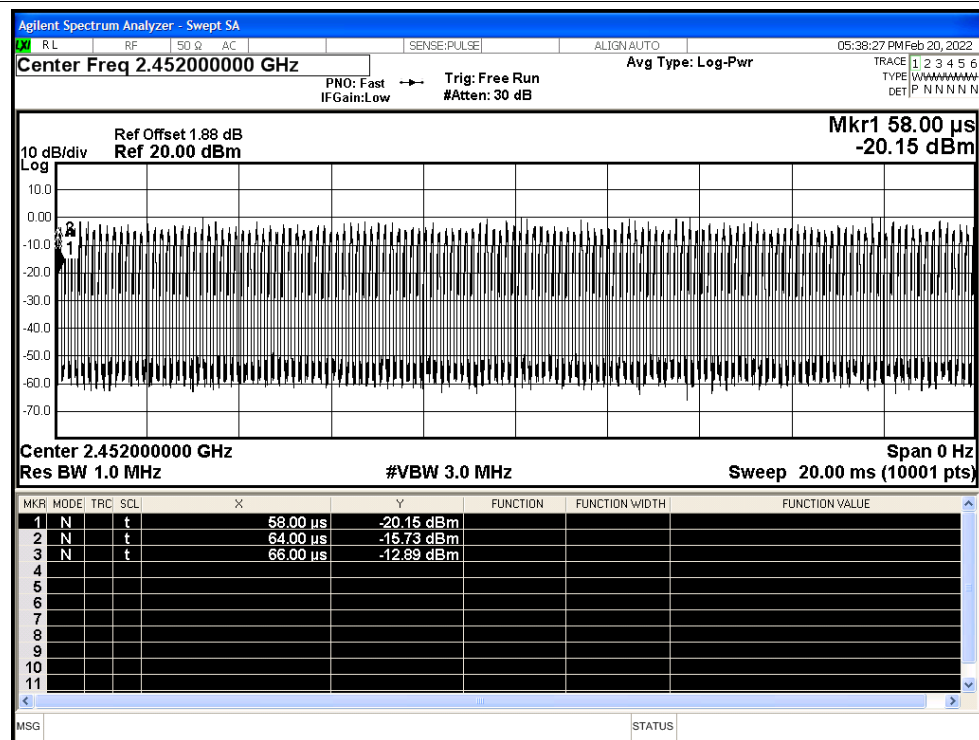




Duty Cycle NVNT n40 2437MHz Ant



Duty Cycle NVNT n40 2452MHz Ant





C.7 Emissions at Restricted Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant	2310	-50.62	2	46.64	Peak	74	Pass
NVNT	b	2412	Ant	2310	-60.14	2	37.12	Average	54	Pass
NVNT	b	2412	Ant	2389.911	-45.48	2	51.78	Peak	74	Pass
NVNT	b	2412	Ant	2389.911	-55.43	2	41.83	Average	54	Pass
NVNT	b	2412	Ant	2390	-46.86	2	50.4	Peak	74	Pass
NVNT	b	2412	Ant	2390	-54.85	2	42.41	Average	54	Pass
NVNT	b	2462	Ant	2483.5	-46.51	2	50.75	Peak	74	Pass
NVNT	b	2462	Ant	2483.5	-56.07	2	41.19	Average	54	Pass
NVNT	b	2462	Ant	2484.153	-41.09	2	56.17	Peak	74	Pass
NVNT	b	2462	Ant	2483.623	-56	2	41.26	Average	54	Pass
NVNT	b	2462	Ant	2500	-50.52	2	46.74	Peak	74	Pass
NVNT	b	2462	Ant	2500	-59.27	2	37.99	Average	54	Pass
NVNT	g	2412	Ant	2310	-50.71	2	46.55	Peak	74	Pass
NVNT	g	2412	Ant	2310	-59.25	2	38.01	Average	54	Pass
NVNT	g	2412	Ant	2387.103	-37.92	2	59.34	Peak	74	Pass
NVNT	g	2412	Ant	2389.911	-50.73	2	46.53	Average	54	Pass
NVNT	g	2412	Ant	2390	-40.52	2	56.74	Peak	74	Pass
NVNT	g	2412	Ant	2390	-51.48	2	45.78	Average	54	Pass
NVNT	g	2462	Ant	2483.5	-37.7	2	59.56	Peak	74	Pass
NVNT	g	2462	Ant	2483.5	-48.79	2	48.47	Average	54	Pass
NVNT	g	2462	Ant	2483.888	-28.58	2	68.68	Peak	74	Pass
NVNT	g	2462	Ant	2483.517	-48.79	2	48.47	Average	54	Pass
NVNT	g	2462	Ant	2500	-50.67	2	46.59	Peak	74	Pass
NVNT	g	2462	Ant	2500	-58.42	2	38.84	Average	54	Pass
NVNT	n20	2412	Ant	2310	-50.53	2	46.73	Peak	74	Pass
NVNT	n20	2412	Ant	2310	-58.8	2	38.46	Average	54	Pass
NVNT	n20	2412	Ant	2389.209	-33.85	2	63.41	Peak	74	Pass
NVNT	n20	2412	Ant	2389.443	-48.34	2	48.92	Average	54	Pass
NVNT	n20	2412	Ant	2390	-36.11	2	61.15	Peak	74	Pass
NVNT	n20	2412	Ant	2390	-48.65	2	48.61	Average	54	Pass
NVNT	n20	2462	Ant	2483.5	-31.95	2	65.31	Peak	74	Pass
NVNT	n20	2462	Ant	2483.5	-48.87	2	48.39	Average	54	Pass
NVNT	n20	2462	Ant	2484.895	-28.2	2	69.06	Peak	74	Pass
NVNT	n20	2462	Ant	2483.57	-48.67	2	48.59	Average	54	Pass
NVNT	n20	2462	Ant	2500	-50.36	2	46.9	Peak	74	Pass
NVNT	n20	2462	Ant	2500	-58.31	2	38.95	Average	54	Pass
NVNT	n40	2422	Ant	2310	-50.32	2	46.94	Peak	74	Pass
NVNT	n40	2422	Ant	2310	-56.22	2	41.04	Average	54	Pass
NVNT	n40	2422	Ant	2385.686	-37.29	2	59.97	Peak	74	Pass
NVNT	n40	2422	Ant	2386.254	-46.7	2	50.56	Average	54	Pass

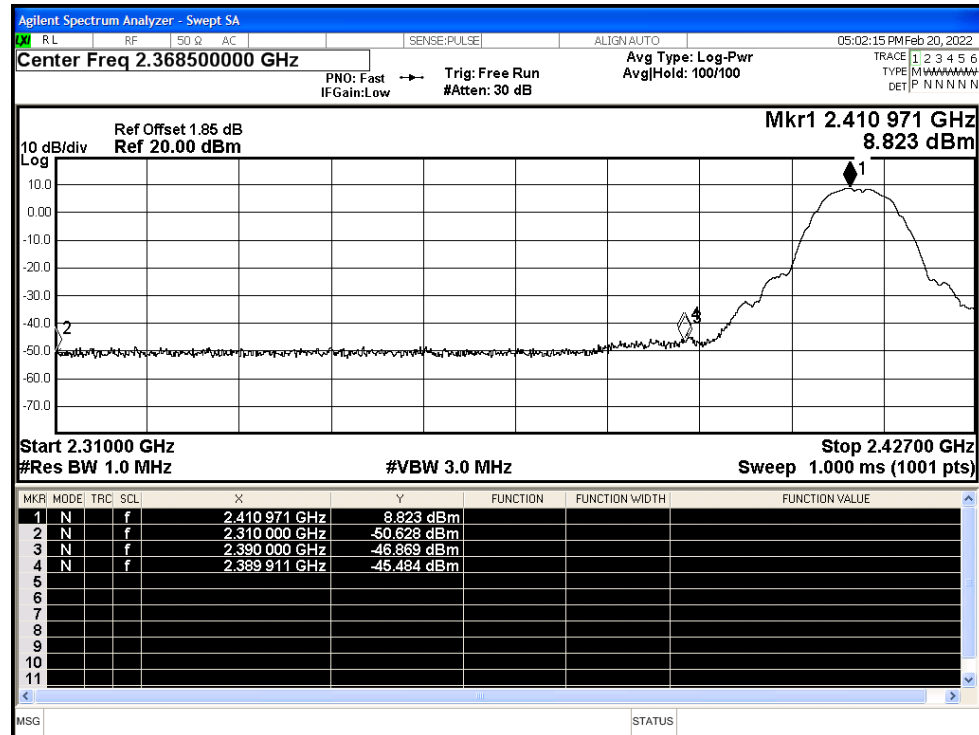


NVNT	n40	2422	Ant	2390	-42.72	2	54.54	Peak	74	Pass
NVNT	n40	2422	Ant	2390	-47.28	2	49.98	Average	54	Pass
NVNT	n40	2452	Ant	2483.5	-47.16	2	50.1	Peak	74	Pass
NVNT	n40	2452	Ant	2483.5	-47.97	2	49.29	Average	54	Pass
NVNT	n40	2452	Ant	2484.946	-43.9	2	53.36	Peak	74	Pass
NVNT	n40	2452	Ant	2485.882	-45.51	2	51.75	Average	54	Pass
NVNT	n40	2452	Ant	2500	-50.63	2	46.63	Peak	74	Pass
NVNT	n40	2452	Ant	2500	-49.66	2	47.6	Average	54	Pass

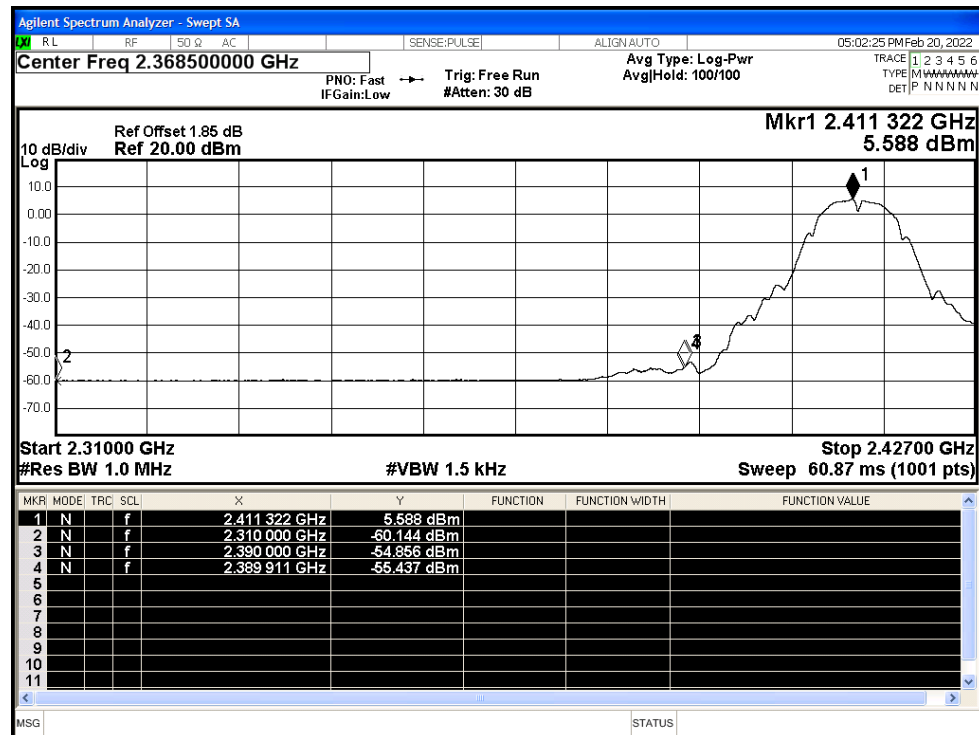


Test Graphs

Restrict Band NVNT b 2412MHz Ant Peak

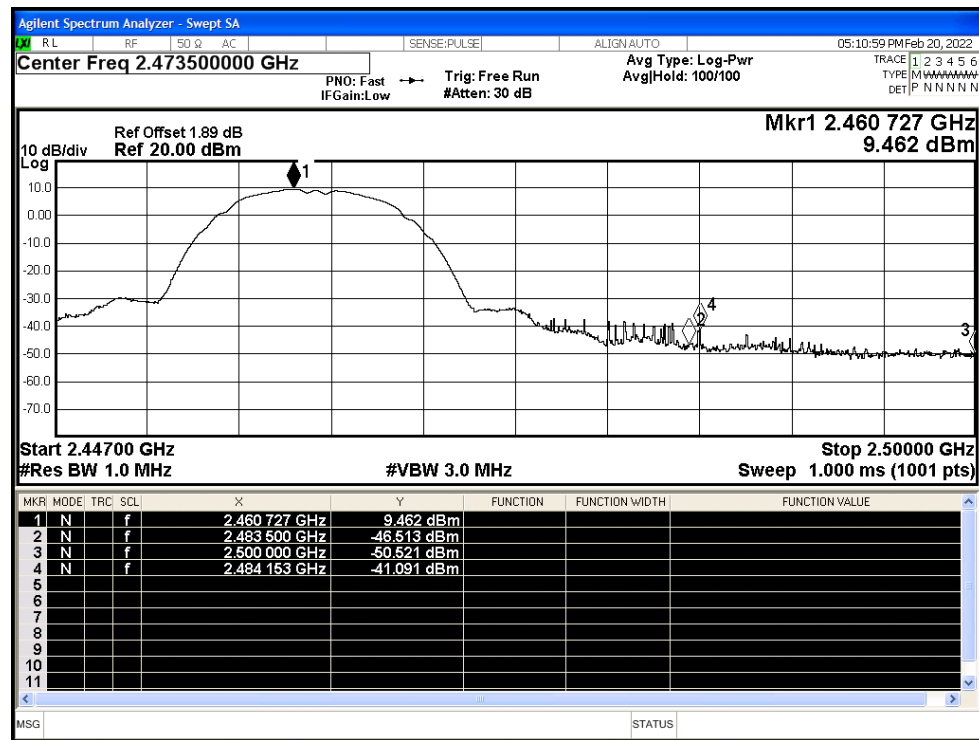


Restrict Band NVNT b 2412MHz Ant Average

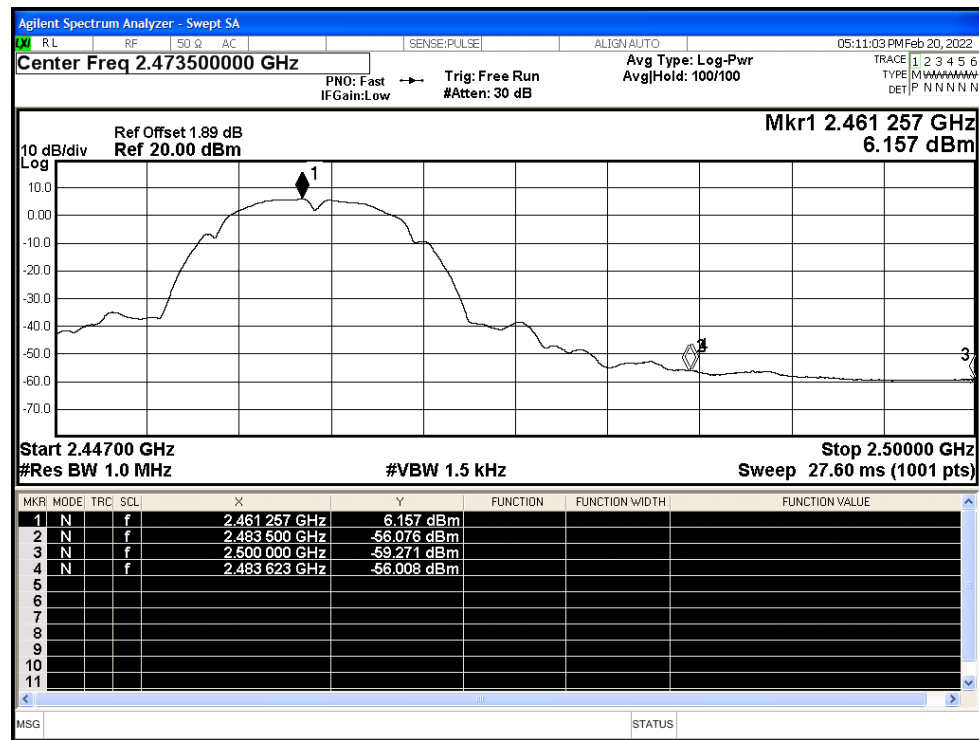




Restrict Band NVNT b 2462MHz Ant Peak

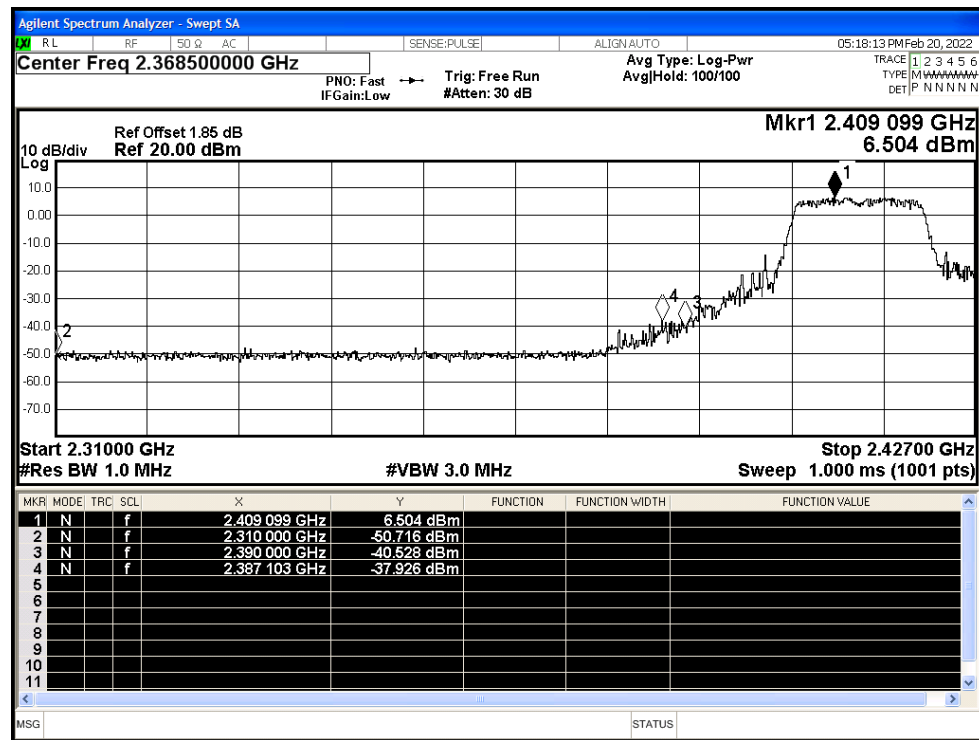


Restrict Band NVNT b 2462MHz Ant Average

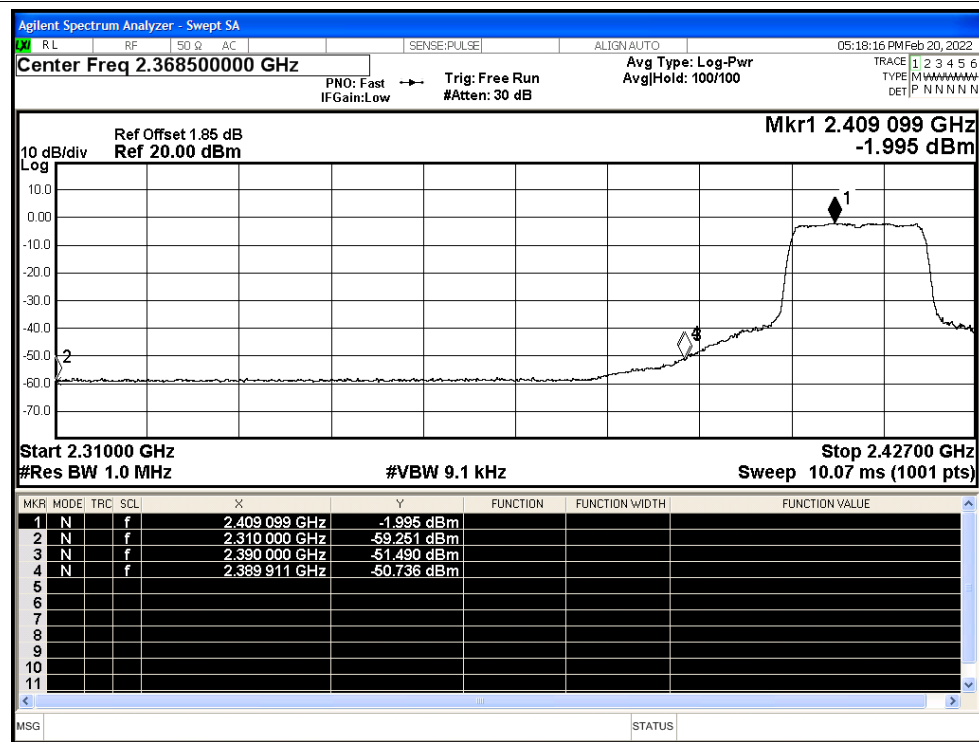




Restrict Band NVNT g 2412MHz Ant Peak

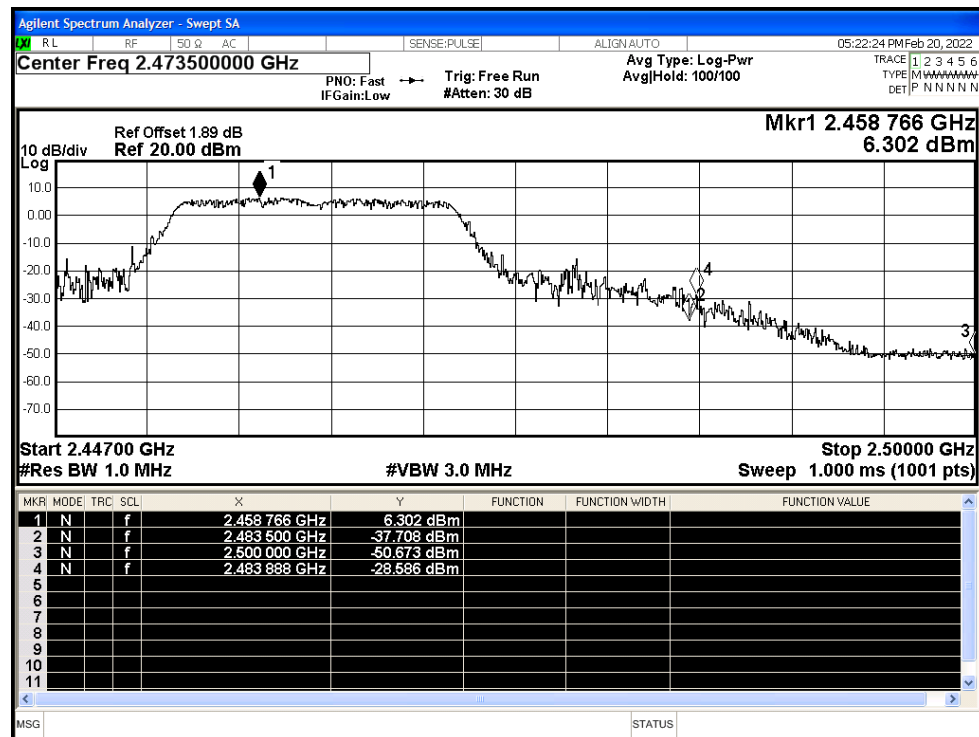


Restrict Band NVNT g 2412MHz Ant Average

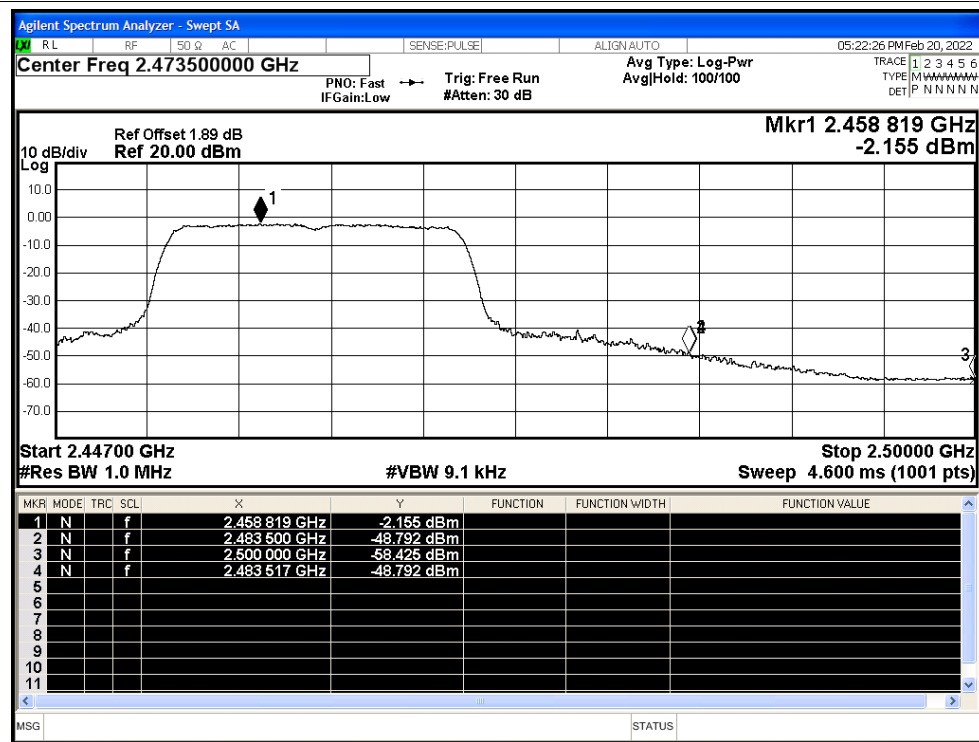




Restrict Band NVNT g 2462MHz Ant Peak

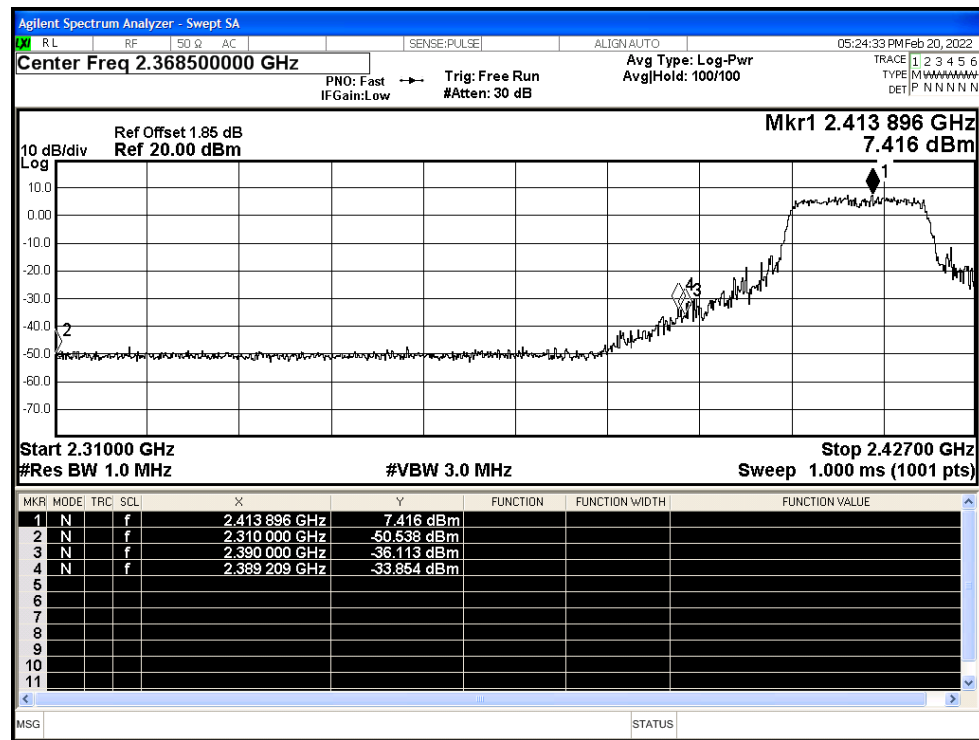


Restrict Band NVNT g 2462MHz Ant Average

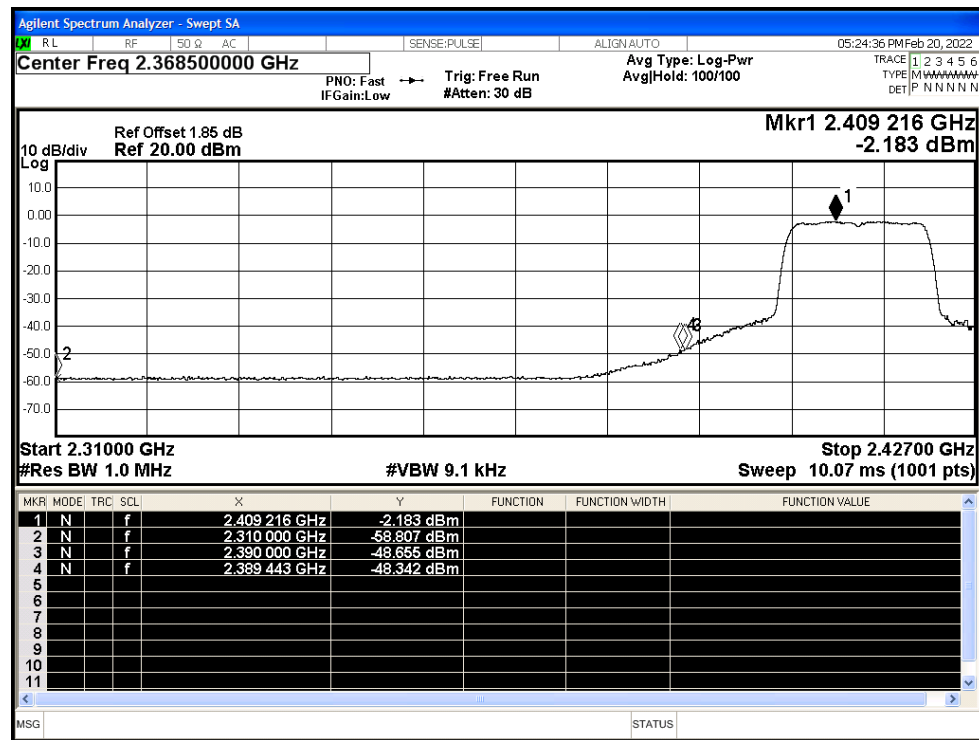




Restrict Band NVNT n20 2412MHz Ant Peak

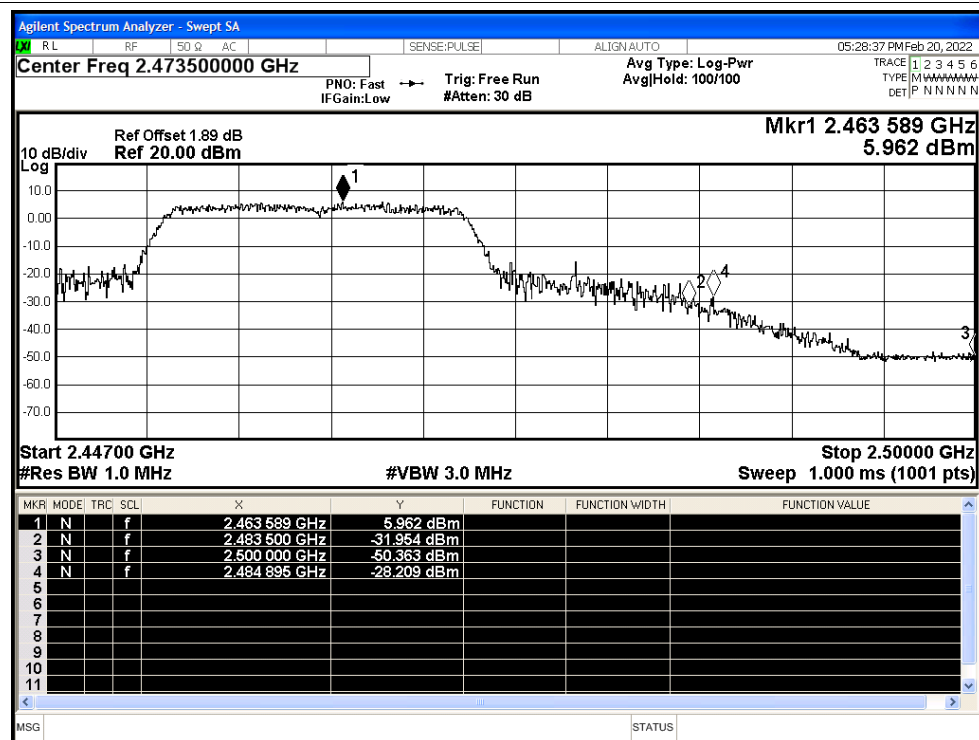


Restrict Band NVNT n20 2412MHz Ant Average

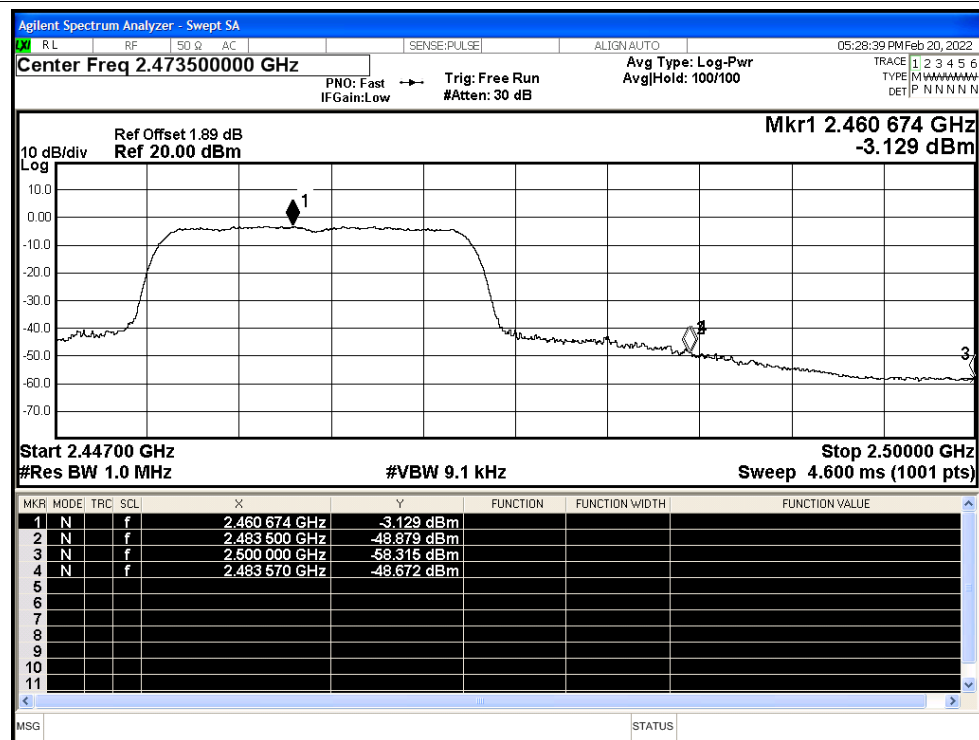


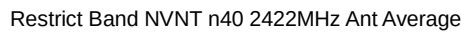
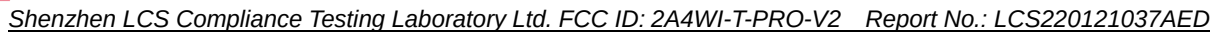


Restrict Band NVNT n20 2462MHz Ant Peak



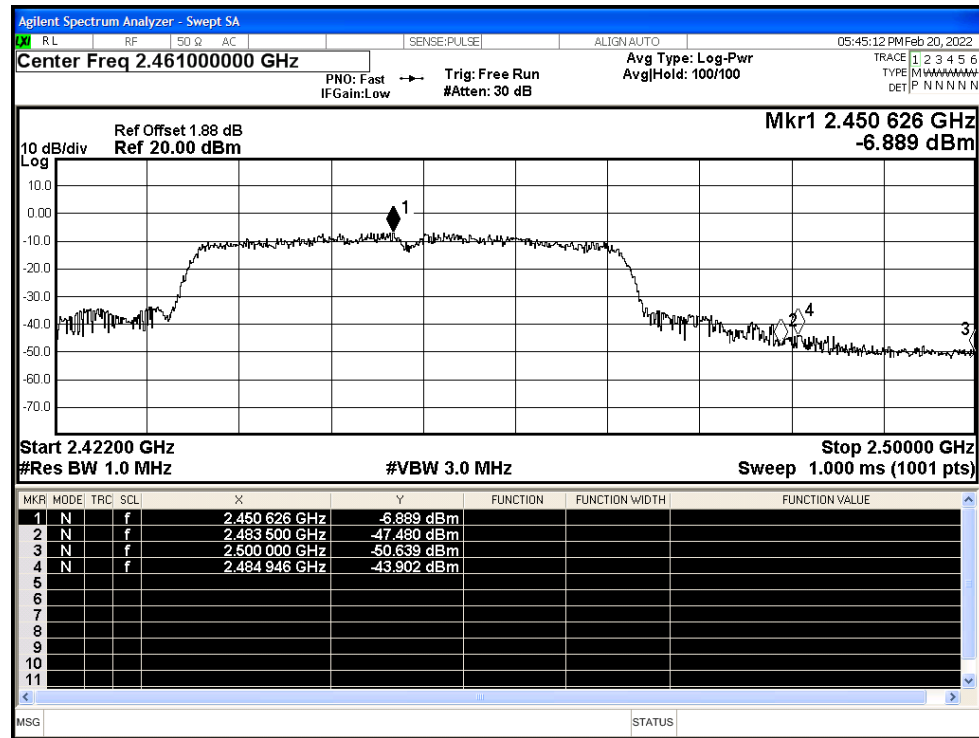
Restrict Band NVNT n20 2462MHz Ant Average







Restrict Band NVNT n40 2452MHz Ant Peak



Restrict Band NVNT n40 2452MHz Ant Average

