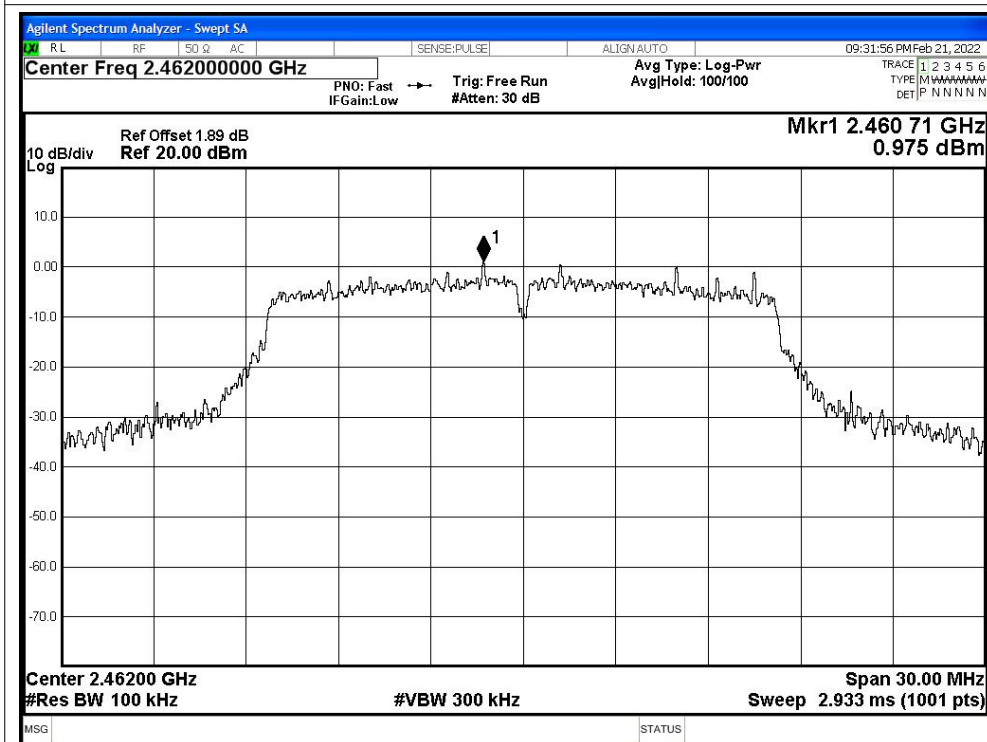
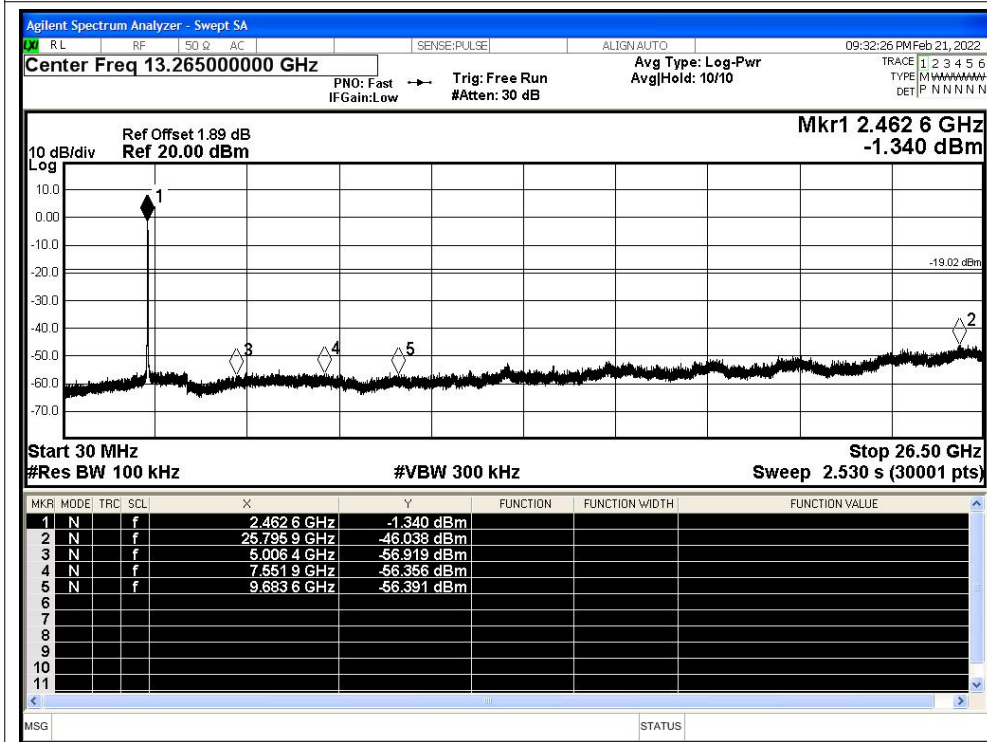


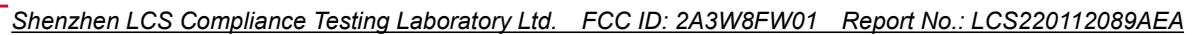


Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission





Tx. Spurious NVNT n20 2412MHz Ant1 Ref

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.41200000 GHz

Ref Offset 1.85 dB
Ref 20.00 dBm

10 dB/div
Log

Mkr1 2.410 74 GHz
0.425 dBm

Center 2.41200 GHz
#Res BW 100 kHz
#VBW 300 kHz

Span 30.00 MHz
Sweep 2.933 ms (1001 pts)

The screenshot displays a spectrum analyzer interface with a blue header bar. The main display area shows a frequency spectrum with a grid. A prominent signal is marked with a black diamond and the number '1' at approximately 2.41074 GHz. The signal level is indicated as 0.425 dBm. The center frequency is set to 2.41200 GHz. The span is 30.00 MHz. The resolution bandwidth (RBW) is 100 kHz, and the video bandwidth (VBW) is 300 kHz. The sweep time is 2.933 ms. The reference level is 20.00 dBm, and the reference offset is 1.85 dB. The display is in a log scale with 10 dB/div. The status bar at the bottom shows 'MSG' and 'STATUS'.

Parameter	Value
Center Freq	2.41200000 GHz
Ref Offset	1.85 dB
Ref	20.00 dBm
10 dB/div	Log
Mkr1	2.410 74 GHz
	0.425 dBm
Center	2.41200 GHz
#Res BW	100 kHz
#VBW	300 kHz
Span	30.00 MHz
Sweep	2.933 ms (1001 pts)

Tx. Spurious NVNT n20 2412MHz Ant1 Emission

Agilent Spectrum Analyzer - Swept SA

Center Freq 13.26500000 GHz

Ref Offset 1.85 dB
Ref 20.00 dBm

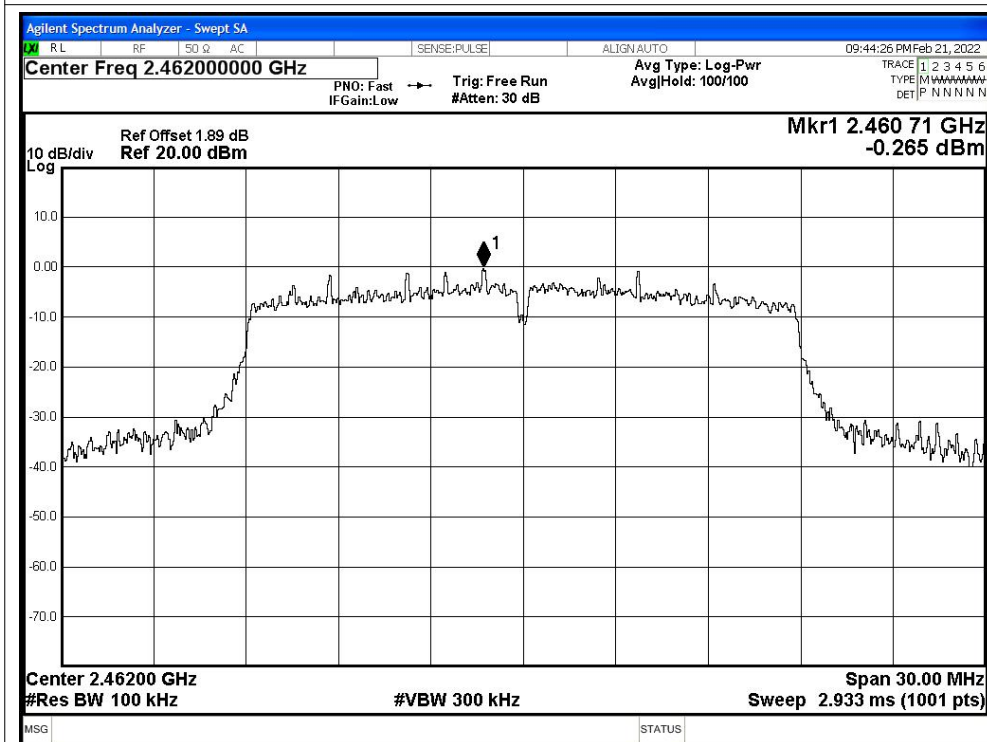
Mkr1 2.411 4 GHz
-2.850 dBm

Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (30001 pts)

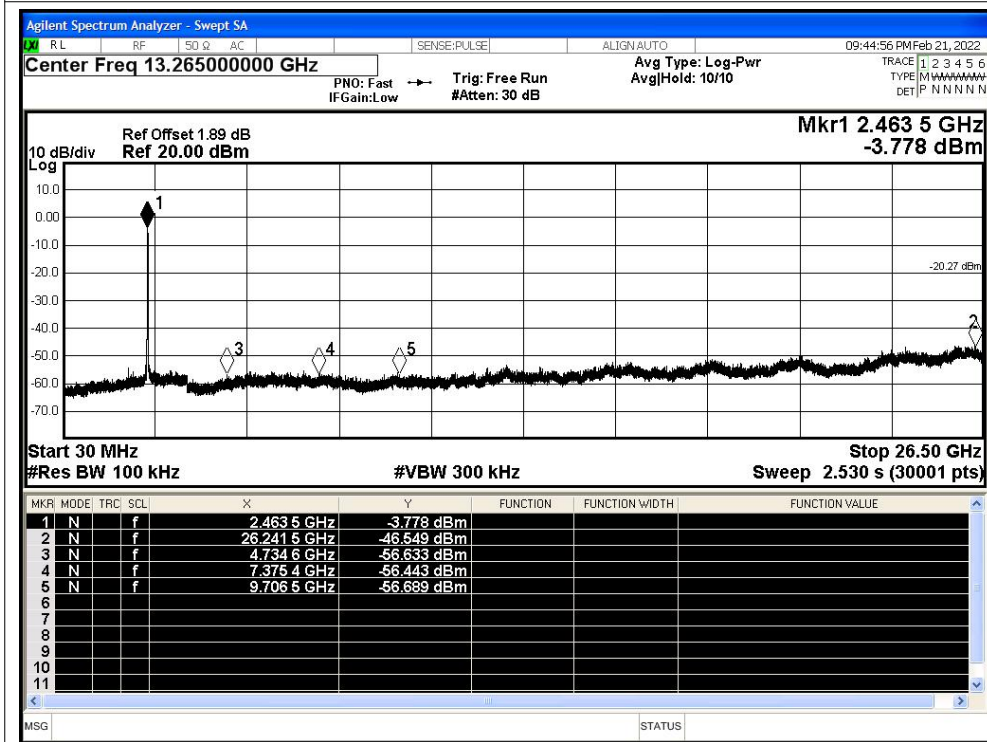
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.411 4 GHz	-2.850 dBm			
2	N		f	25.842 7 GHz	-46.041 dBm			
3	N		f	4.778 7 GHz	-57.383 dBm			
4	N		f	7.163 1 GHz	-56.279 dBm			
5	N		f	9.524 8 GHz	-56.281 dBm			



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Tx. Spurious NVNT n20 2462MHz Ant1 Emission





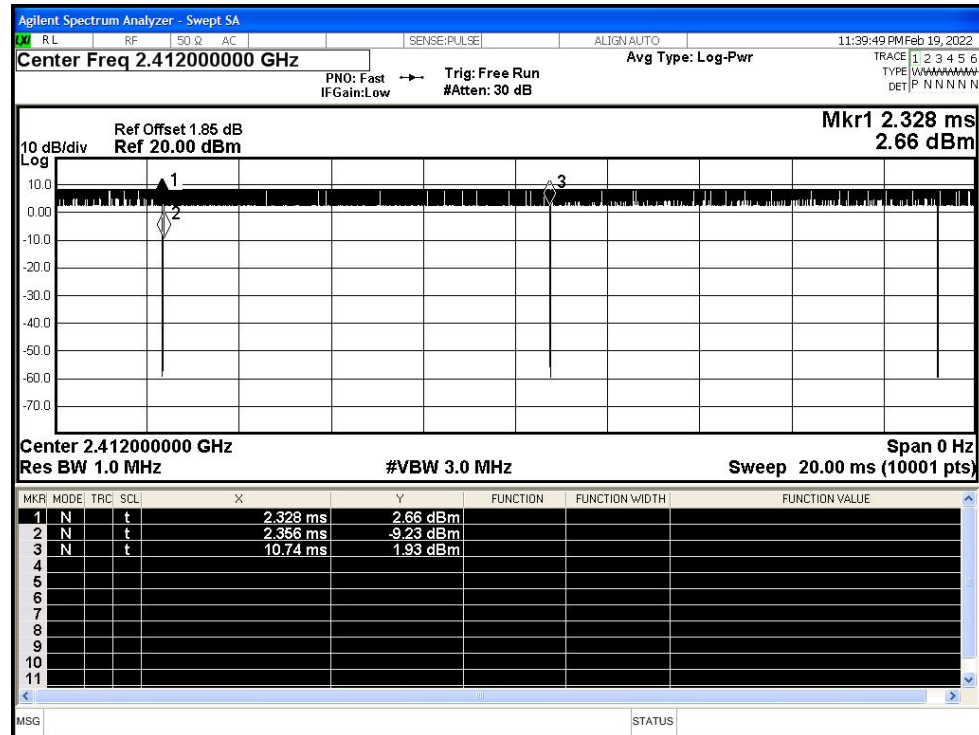
A.6 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.67	0.01	0.12
NVNT	b	2437	Ant1	99.69	0.01	0.12
NVNT	b	2462	Ant1	99.67	0.01	0.12
NVNT	g	2412	Ant1	97.62	0.1	0.72
NVNT	g	2437	Ant1	97.62	0.1	0.72
NVNT	g	2462	Ant1	97.62	0.1	0.72
NVNT	n20	2412	Ant1	97.46	0.11	0.77
NVNT	n20	2437	Ant1	97.46	0.11	0.77
NVNT	n20	2462	Ant1	97.46	0.11	0.77

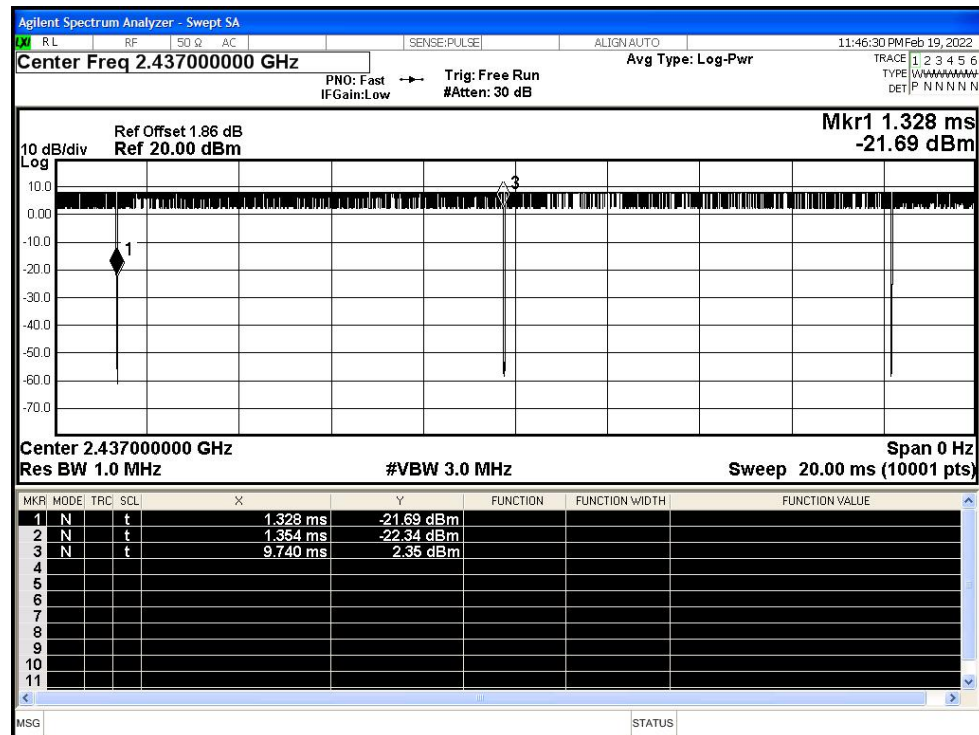


Test Graphs

Duty Cycle NVNT b 2412MHz Ant1

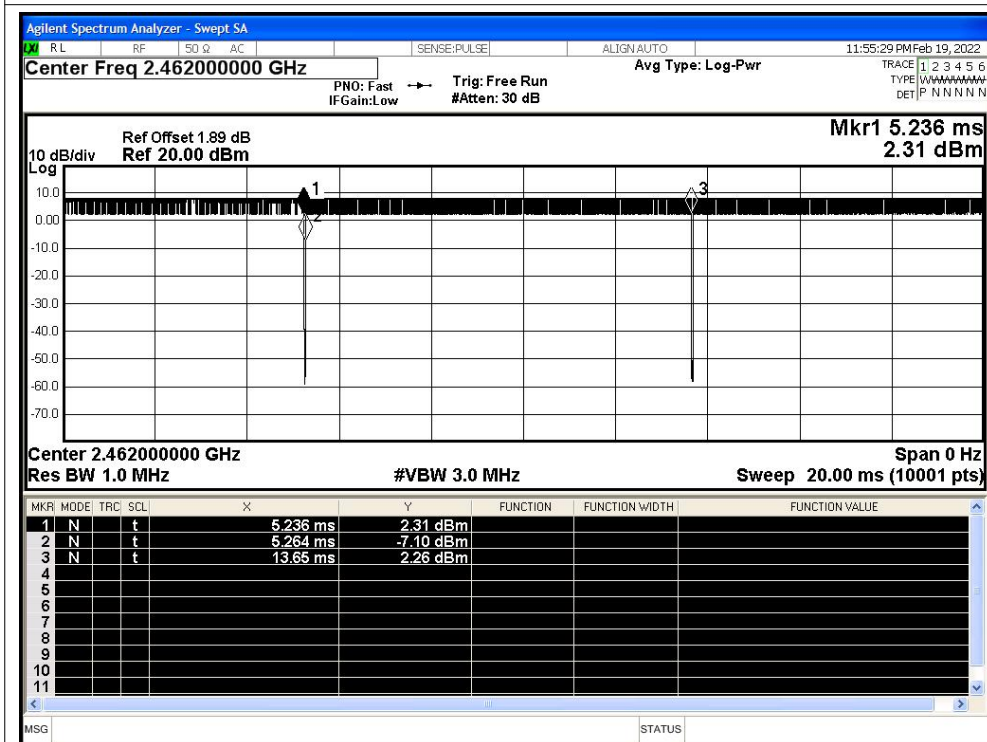


Duty Cycle NVNT b 2437MHz Ant1

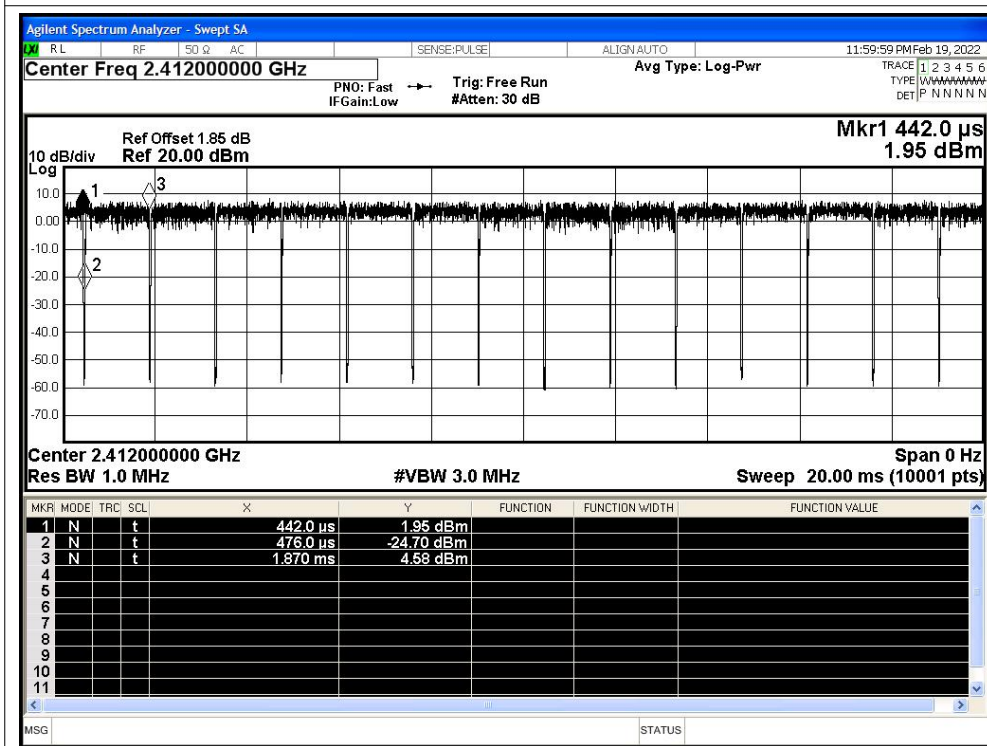




Duty Cycle NVNT b 2462MHz Ant1

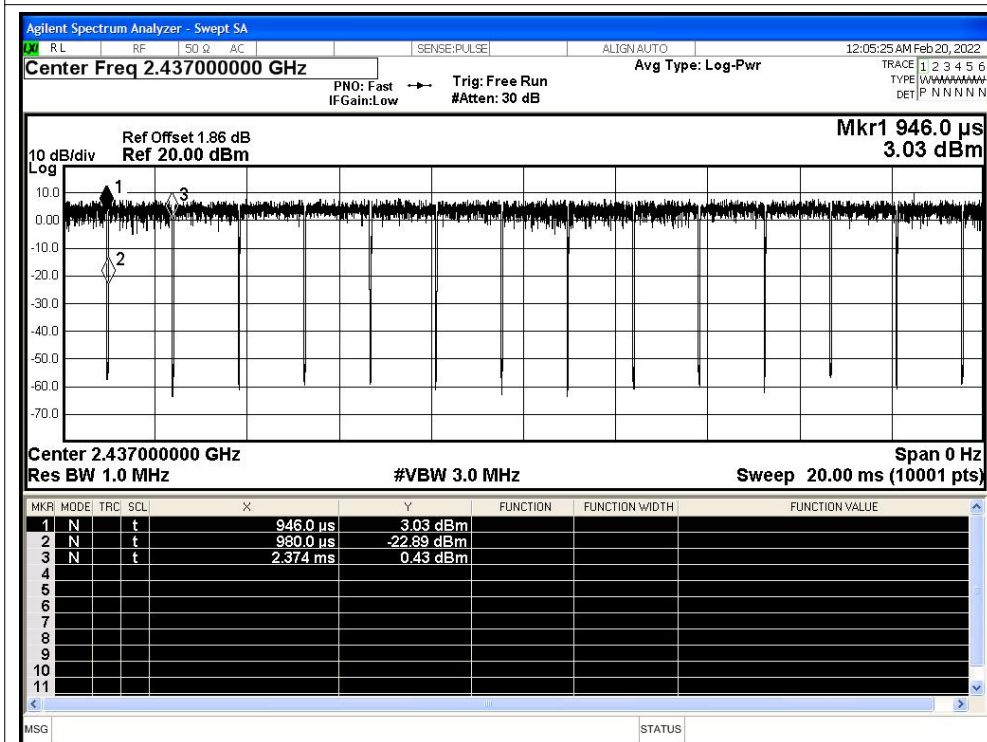


Duty Cycle NVNT g 2412MHz Ant1

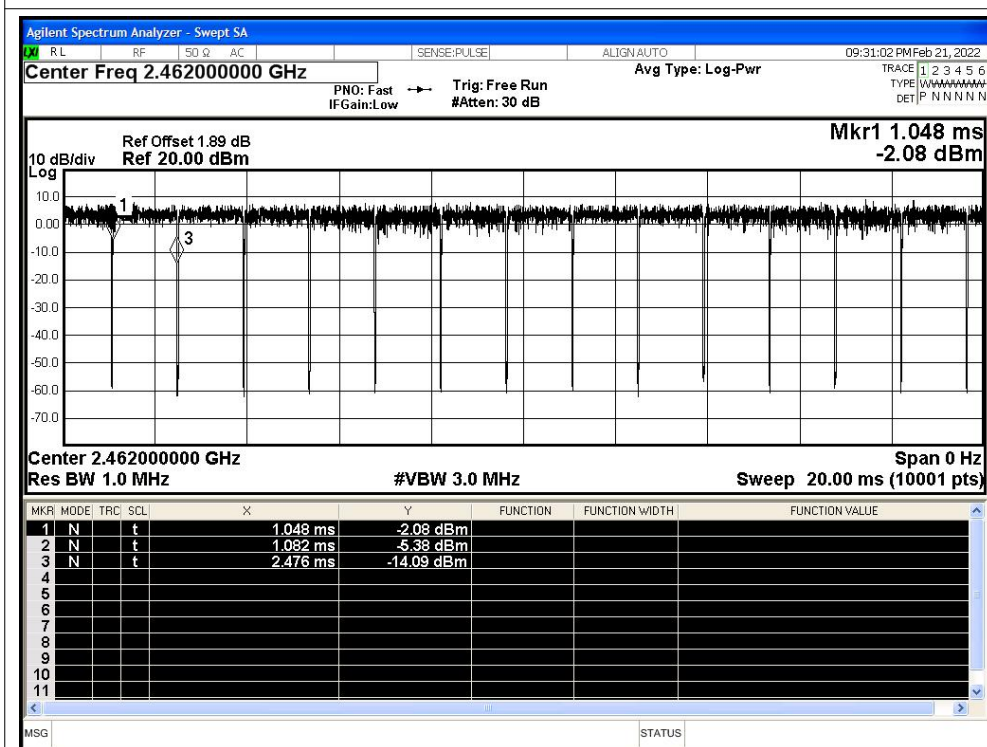




Duty Cycle NVNT g 2437MHz Ant1

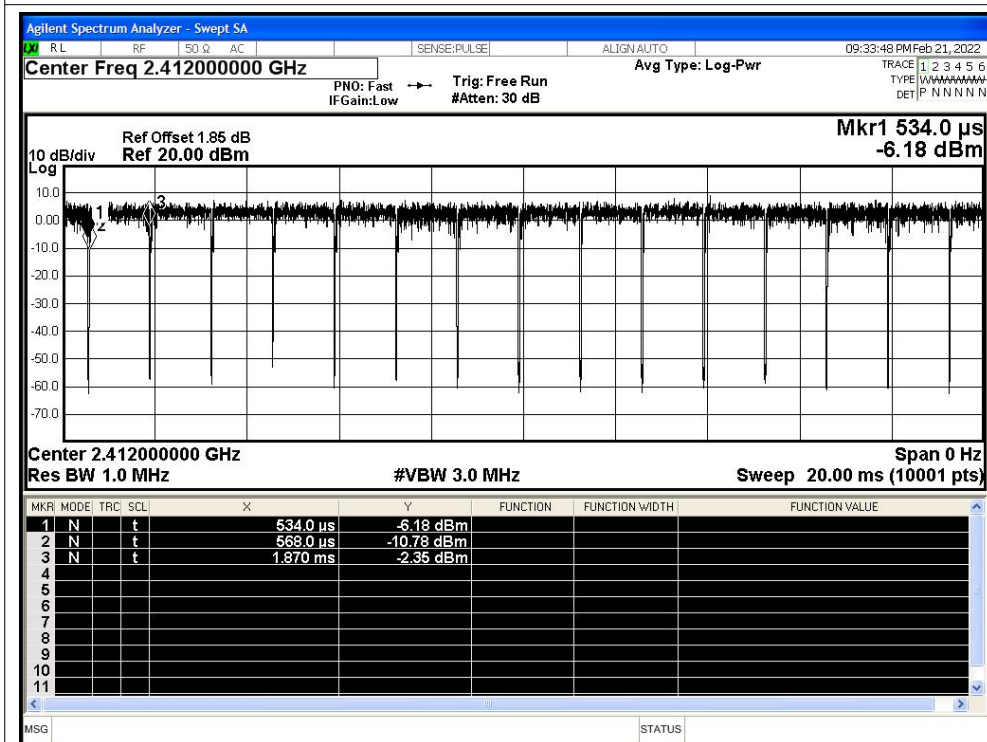


Duty Cycle NVNT g 2462MHz Ant1

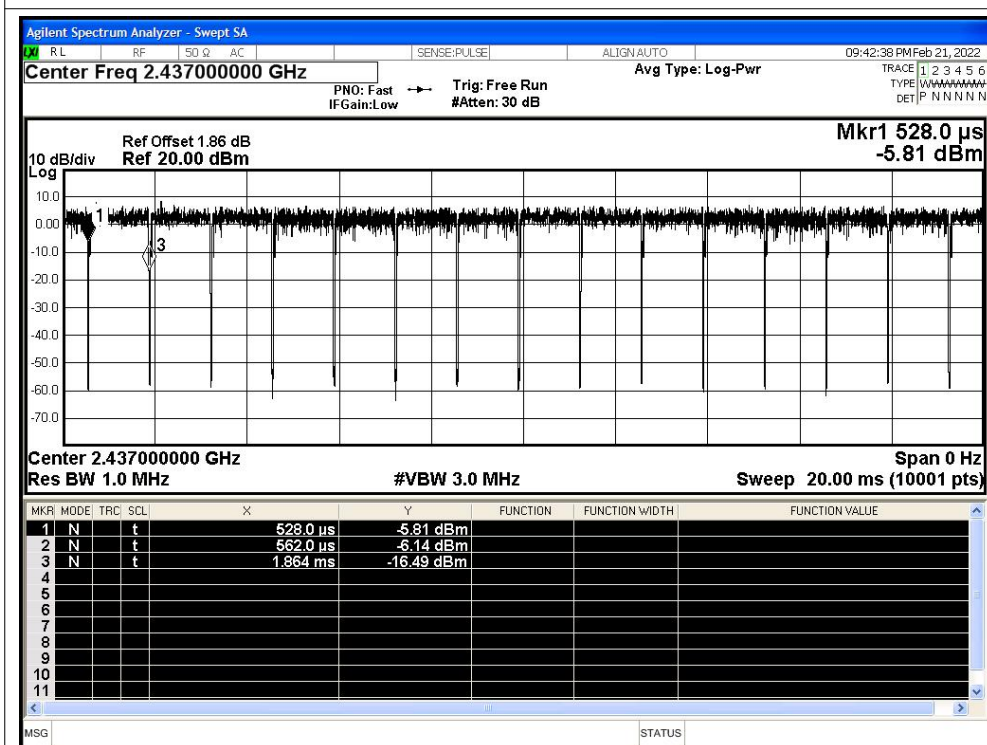


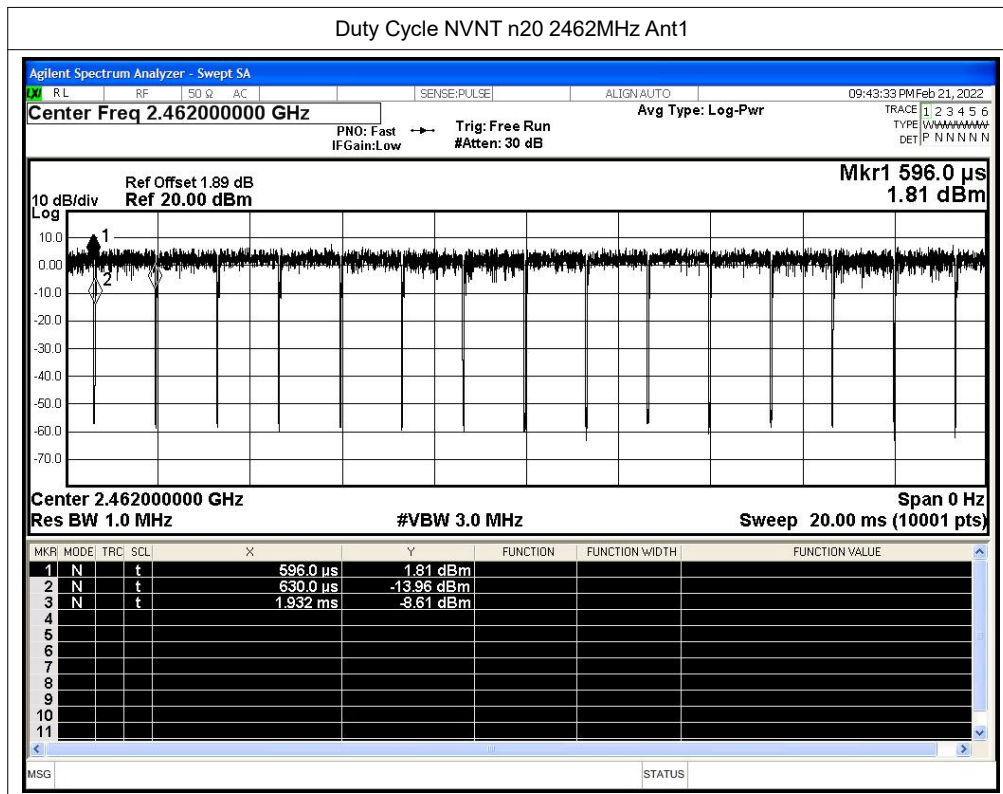


Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1







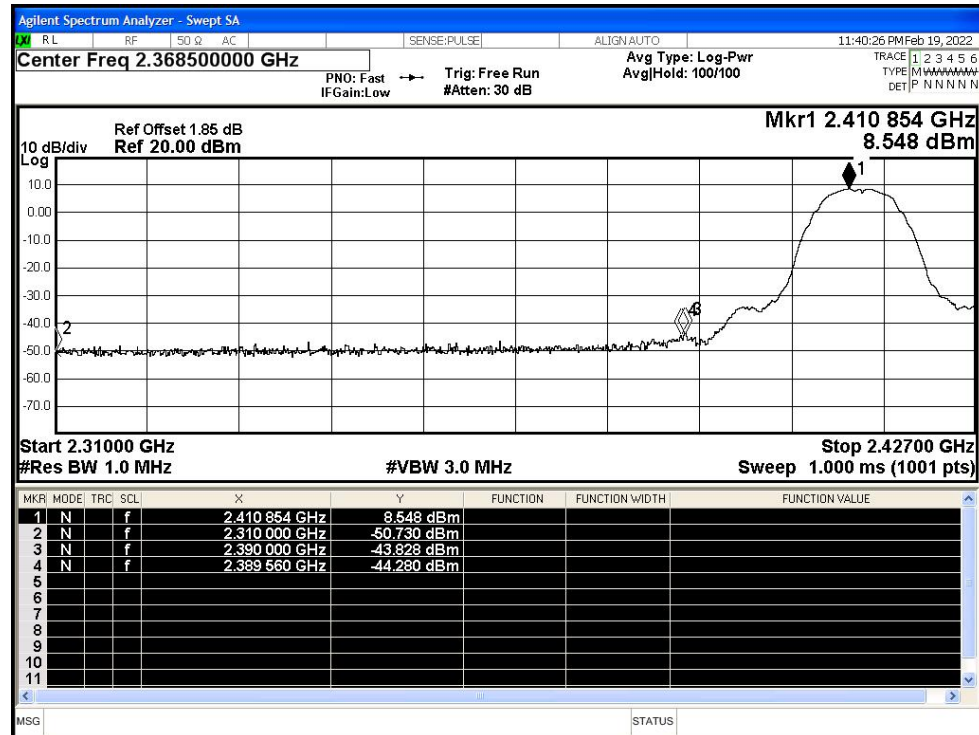
A.7 Restrict Band

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	-50.73	2	46.53	Peak	74	Pass
NVNT	b	2412	Ant1	2310	-60.59	2	36.67	Average	54	Pass
NVNT	b	2412	Ant1	2389.56	-44.28	2	52.98	Peak	74	Pass
NVNT	b	2412	Ant1	2389.911	-55.03	2	42.23	Average	54	Pass
NVNT	b	2412	Ant1	2390	-43.82	2	53.44	Peak	74	Pass
NVNT	b	2412	Ant1	2390	-54.77	2	42.49	Average	54	Pass
NVNT	b	2462	Ant1	2483.5	-45.33	2	51.93	Peak	74	Pass
NVNT	b	2462	Ant1	2483.5	-55.38	2	41.88	Average	54	Pass
NVNT	b	2462	Ant1	2488.181	-43.37	2	53.89	Peak	74	Pass
NVNT	b	2462	Ant1	2488.658	-54.45	2	42.81	Average	54	Pass
NVNT	b	2462	Ant1	2500	-48.27	2	48.99	Peak	74	Pass
NVNT	b	2462	Ant1	2500	-58.64	2	38.62	Average	54	Pass
NVNT	g	2412	Ant1	2310	-51.01	2	46.25	Peak	74	Pass
NVNT	g	2412	Ant1	2310	-59.7	2	37.56	Average	54	Pass
NVNT	g	2412	Ant1	2389.56	-38.33	2	58.93	Peak	74	Pass
NVNT	g	2412	Ant1	2389.911	-51.35	2	45.91	Average	54	Pass
NVNT	g	2412	Ant1	2390	-40.48	2	56.78	Peak	74	Pass
NVNT	g	2412	Ant1	2390	-51.19	2	46.07	Average	54	Pass
NVNT	g	2462	Ant1	2483.5	-33.69	2	63.57	Peak	74	Pass
NVNT	g	2462	Ant1	2483.5	-46.07	2	51.19	Average	54	Pass
NVNT	g	2462	Ant1	2483.623	-29.67	2	67.59	Peak	74	Pass
NVNT	g	2462	Ant1	2483.623	-45.95	2	51.31	Average	54	Pass
NVNT	g	2462	Ant1	2500	-46.11	2	51.15	Peak	74	Pass
NVNT	g	2462	Ant1	2500	-55.11	2	42.15	Average	54	Pass
NVNT	n20	2412	Ant1	2310	-48.8	2	48.46	Peak	74	Pass
NVNT	n20	2412	Ant1	2310	-59.82	2	37.44	Average	54	Pass
NVNT	n20	2412	Ant1	2389.794	-32.99	2	64.27	Peak	74	Pass
NVNT	n20	2412	Ant1	2389.911	-49.21	2	48.05	Average	54	Pass
NVNT	n20	2412	Ant1	2390	-30	2	67.26	Peak	74	Pass
NVNT	n20	2412	Ant1	2390	-49.06	2	48.2	Average	54	Pass
NVNT	n20	2462	Ant1	2483.5	-31.69	2	65.57	Peak	74	Pass
NVNT	n20	2462	Ant1	2483.5	-47.22	2	50.04	Average	54	Pass
NVNT	n20	2462	Ant1	2484.206	-29.93	2	67.33	Peak	74	Pass
NVNT	n20	2462	Ant1	2483.57	-47.2	2	50.06	Average	54	Pass
NVNT	n20	2462	Ant1	2500	-46.17	2	51.09	Peak	74	Pass
NVNT	n20	2462	Ant1	2500	-55.4	2	41.86	Average	54	Pass

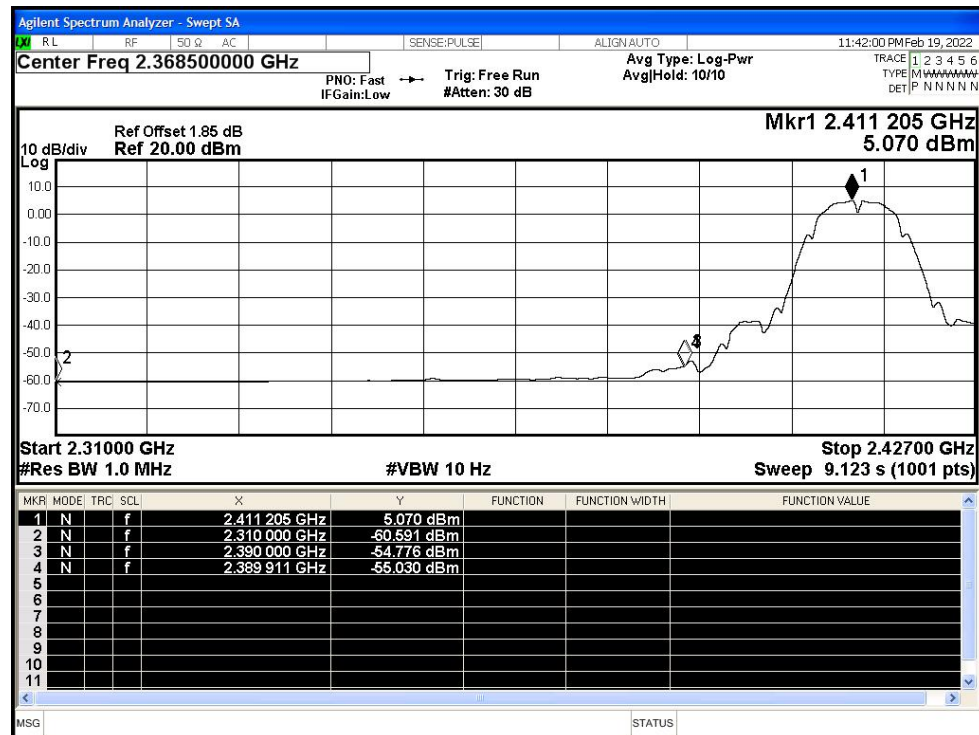


Test Graphs

Restrict Band NVNT b 2412MHz Ant1 Peak

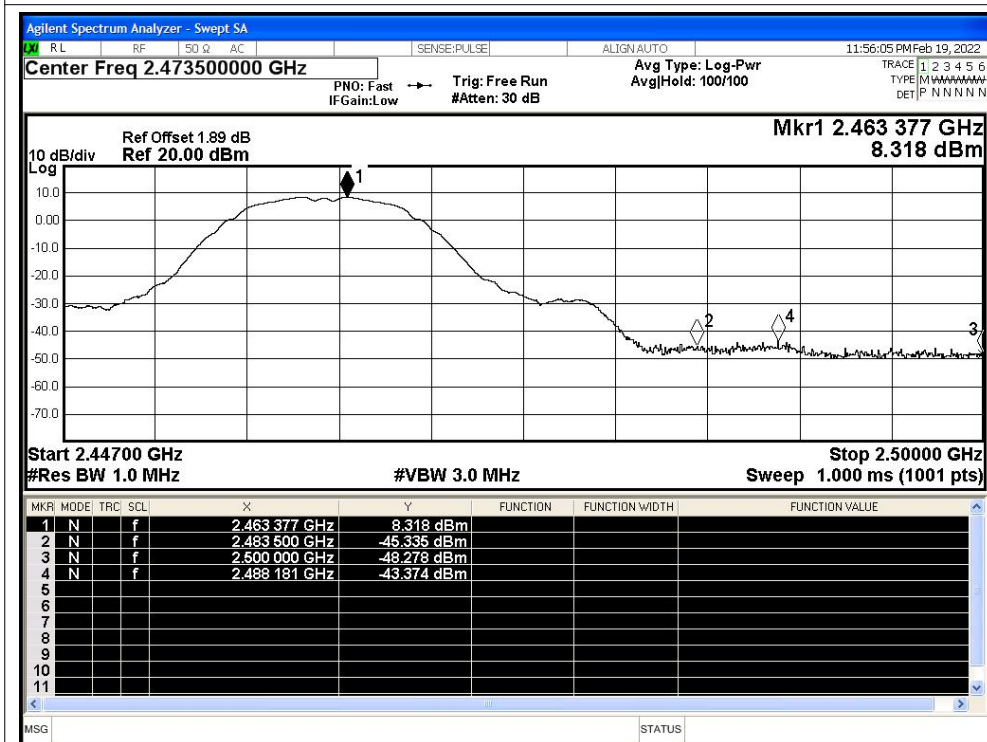


Restrict Band NVNT b 2412MHz Ant1 Average

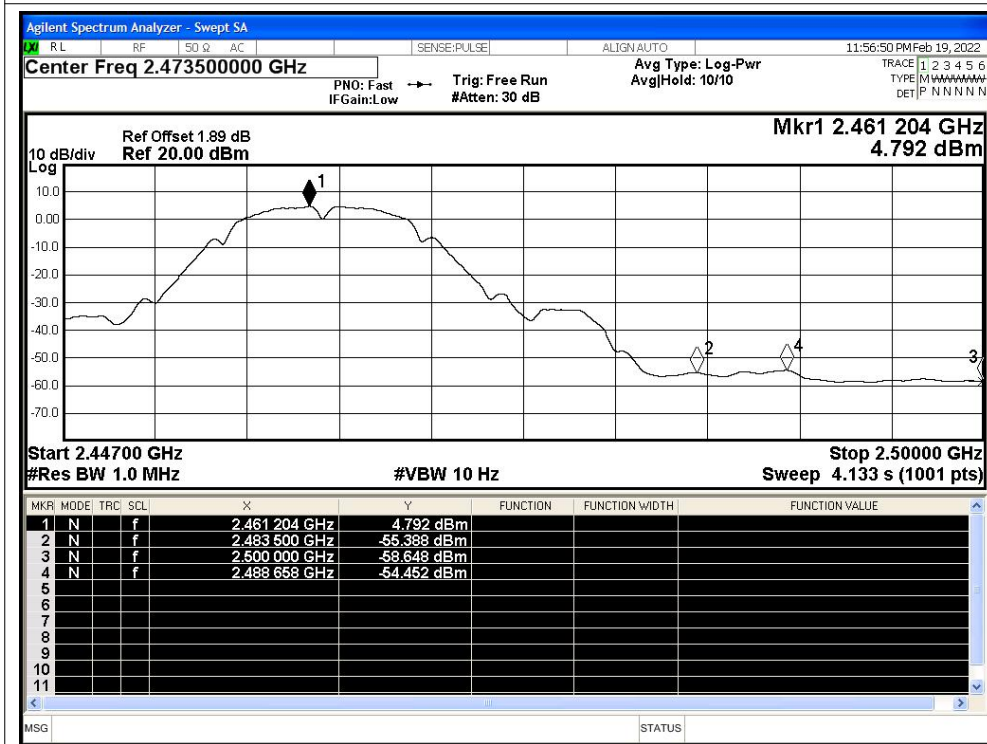


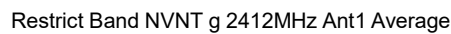
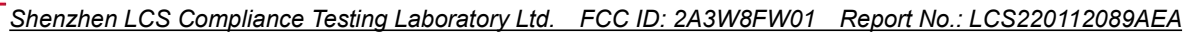


Restrict Band NVNT b 2462MHz Ant1 Peak



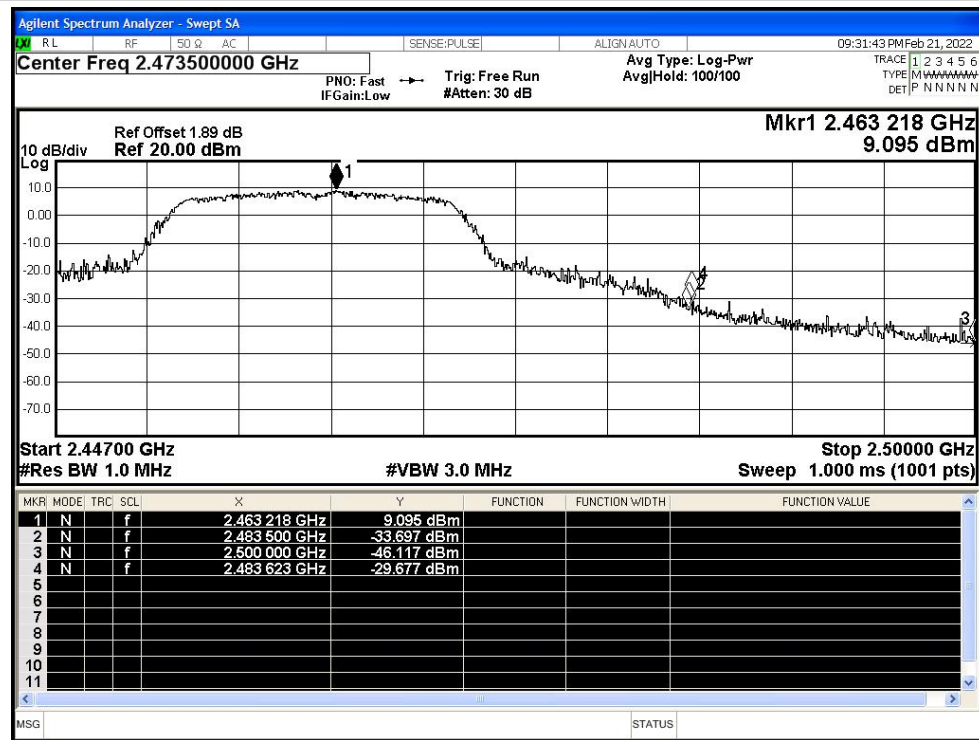
Restrict Band NVNT b 2462MHz Ant1 Average



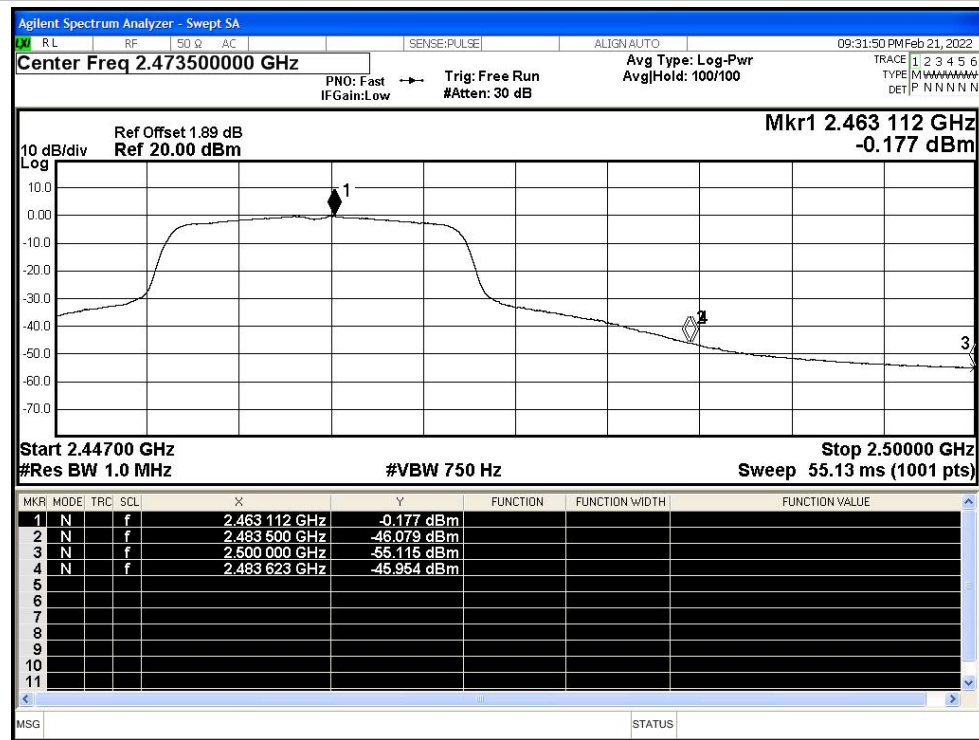




Restrict Band NVNT g 2462MHz Ant1 Peak

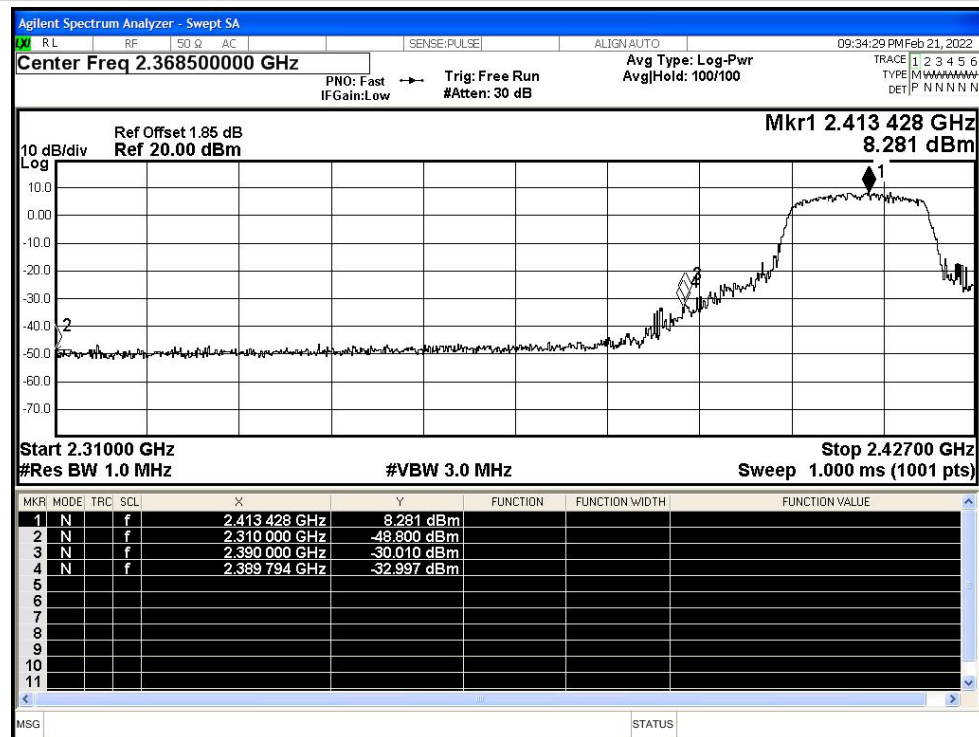


Restrict Band NVNT g 2462MHz Ant1 Average

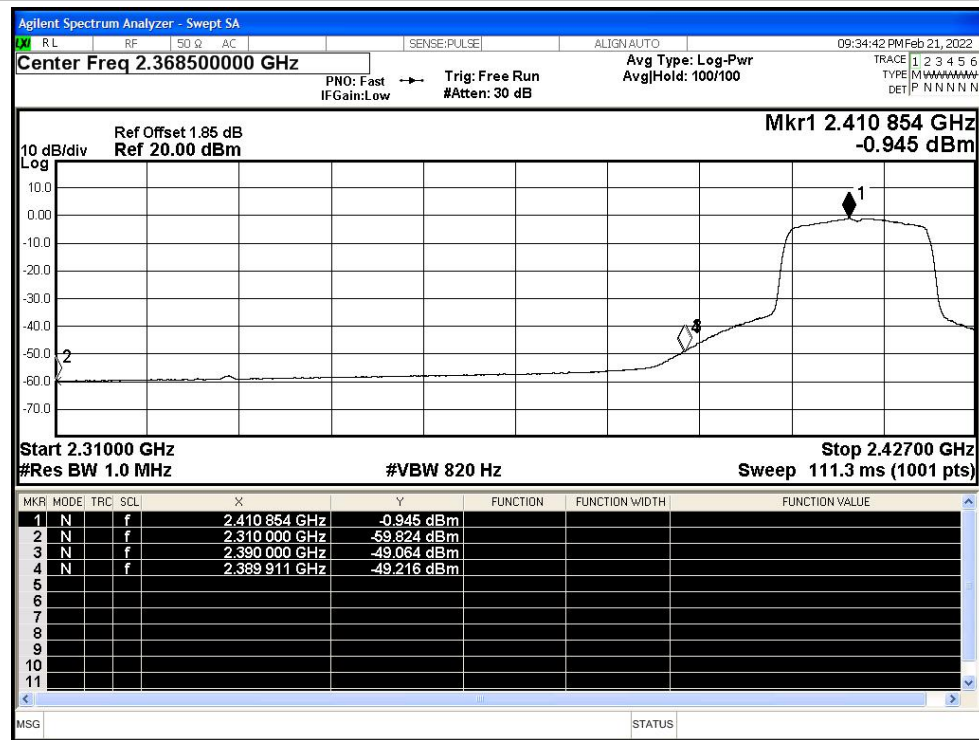




Restrict Band NVNT n20 2412MHz Ant1 Peak

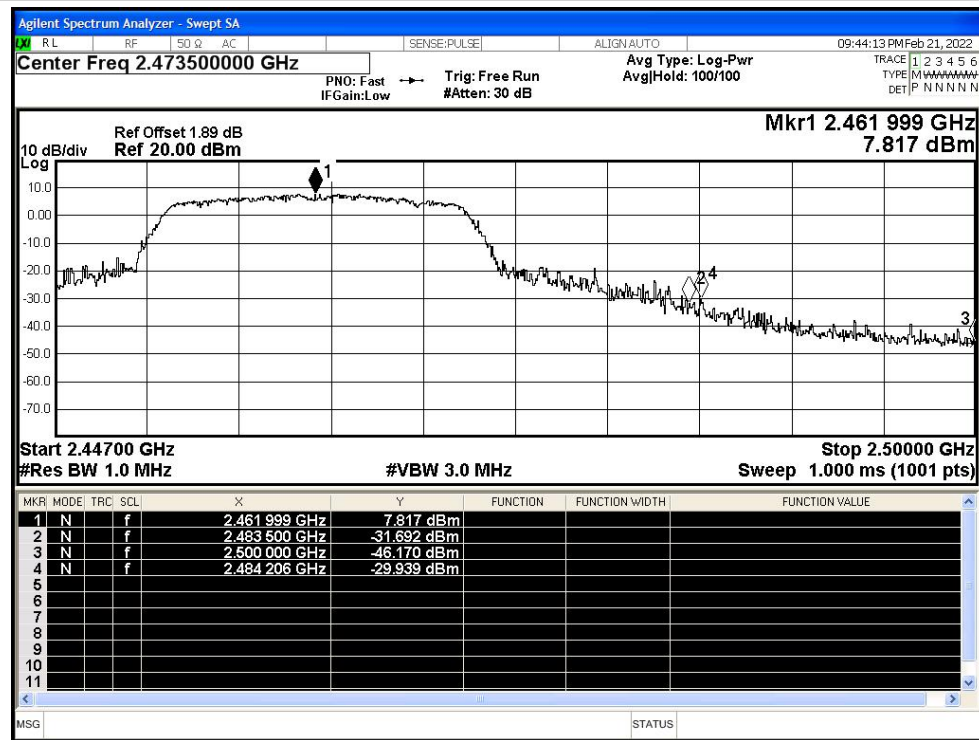


Restrict Band NVNT n20 2412MHz Ant1 Average





Restrict Band NVNT n20 2462MHz Ant1 Peak



Restrict Band NVNT n20 2462MHz Ant1 Average

