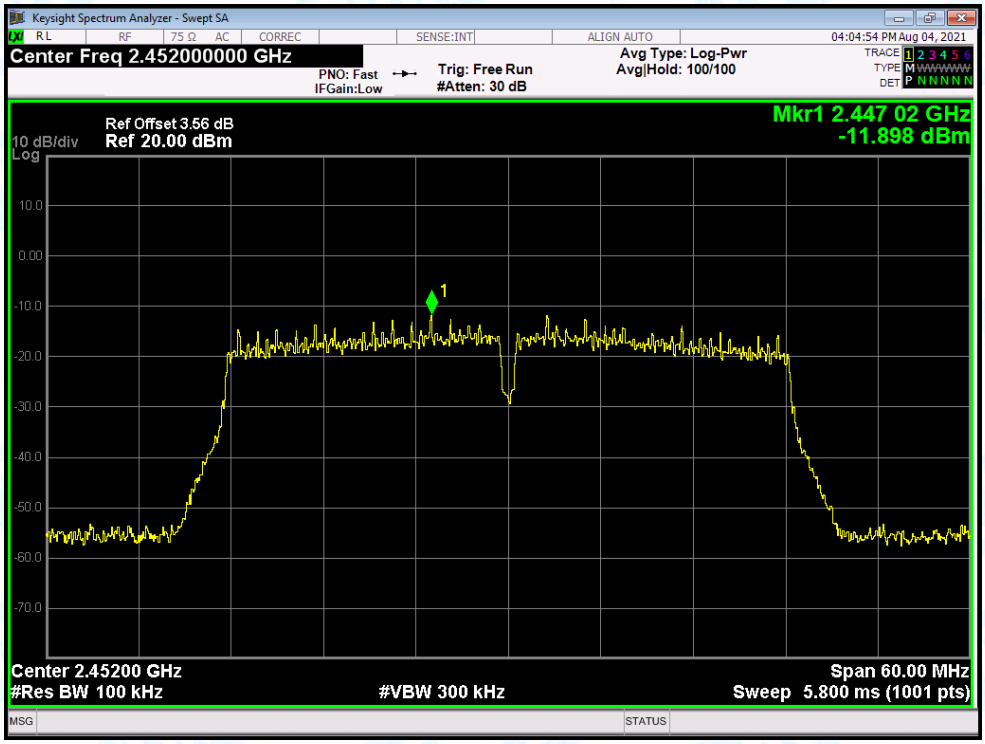
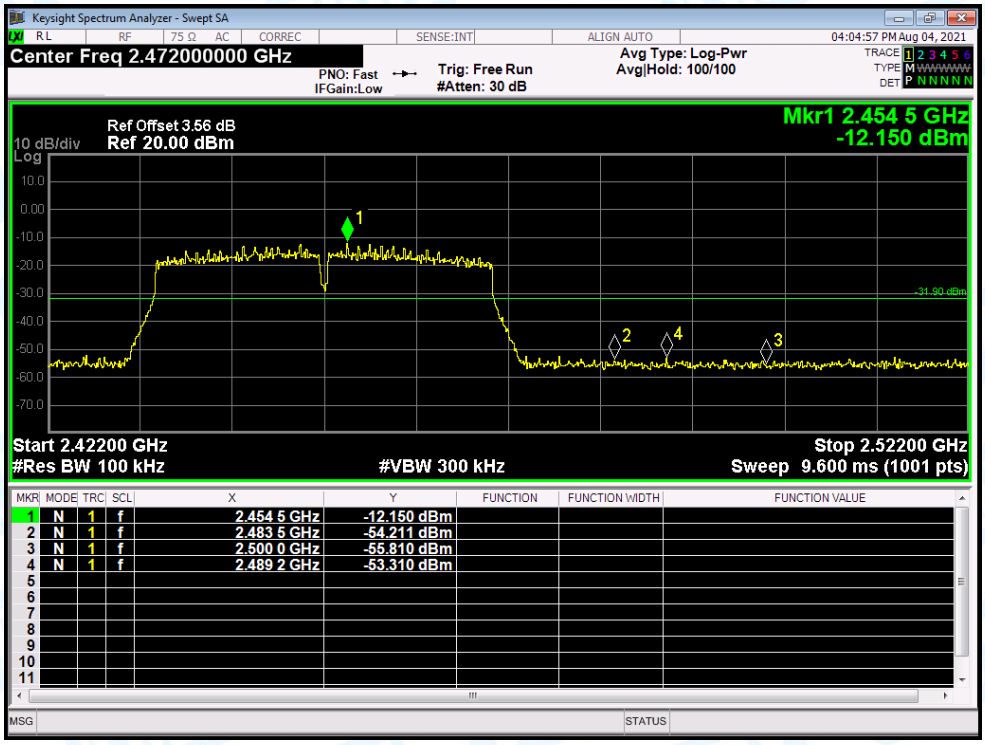
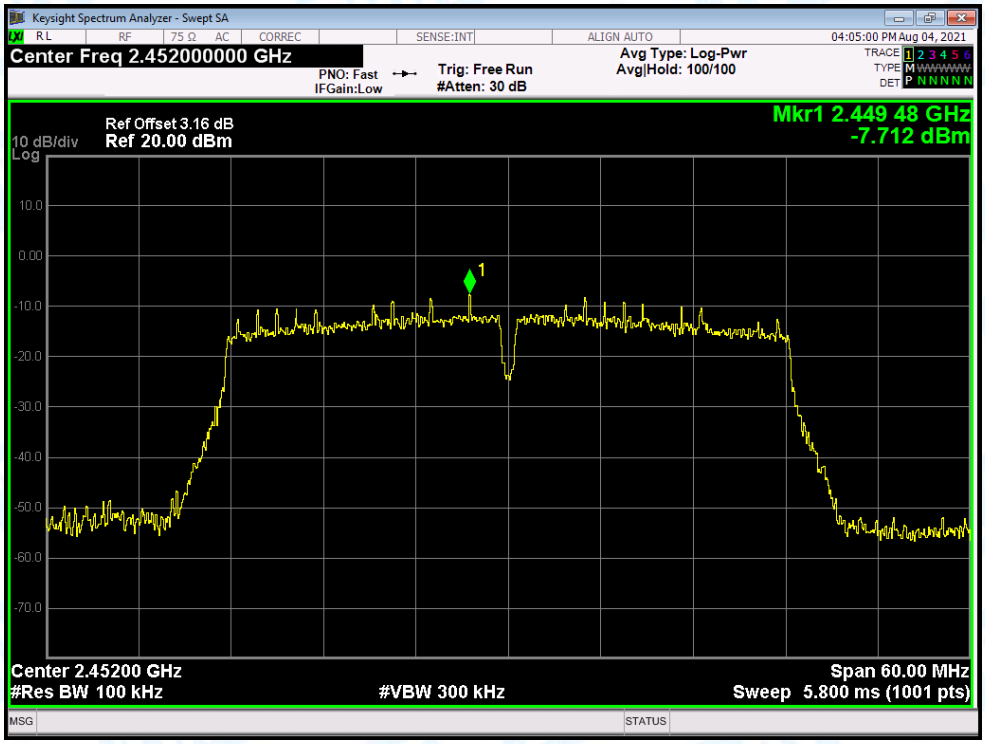
Band Edge NVNT n(HT40) 2452MHz Ant1 Ref



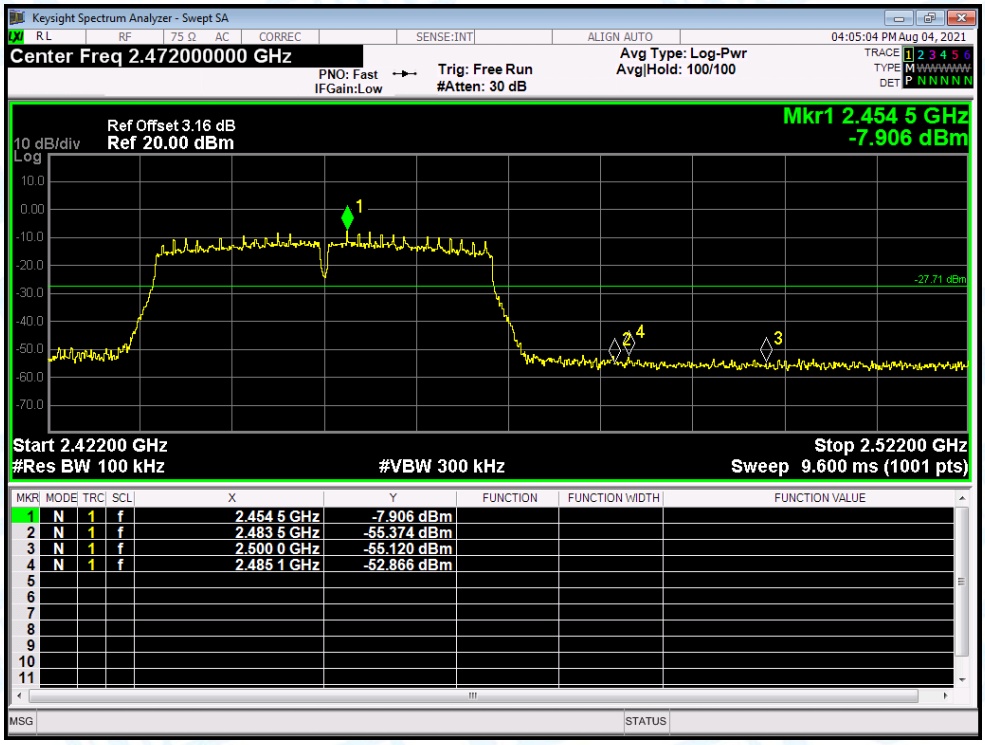
Band Edge NVNT n(HT40) 2452MHz Ant1 Emission



Band Edge NVNT n(HT40) 2452MHz Ant2 Ref



Band Edge NVNT n(HT40) 2452MHz Ant2 Emission

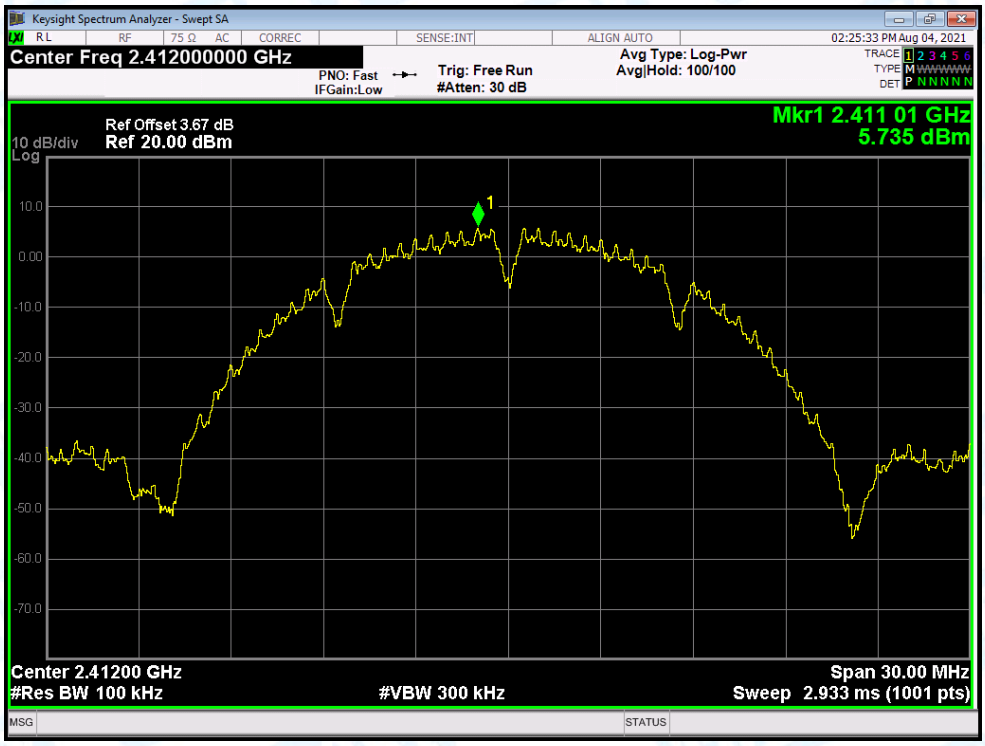


7.Conducted RF Spurious Emission

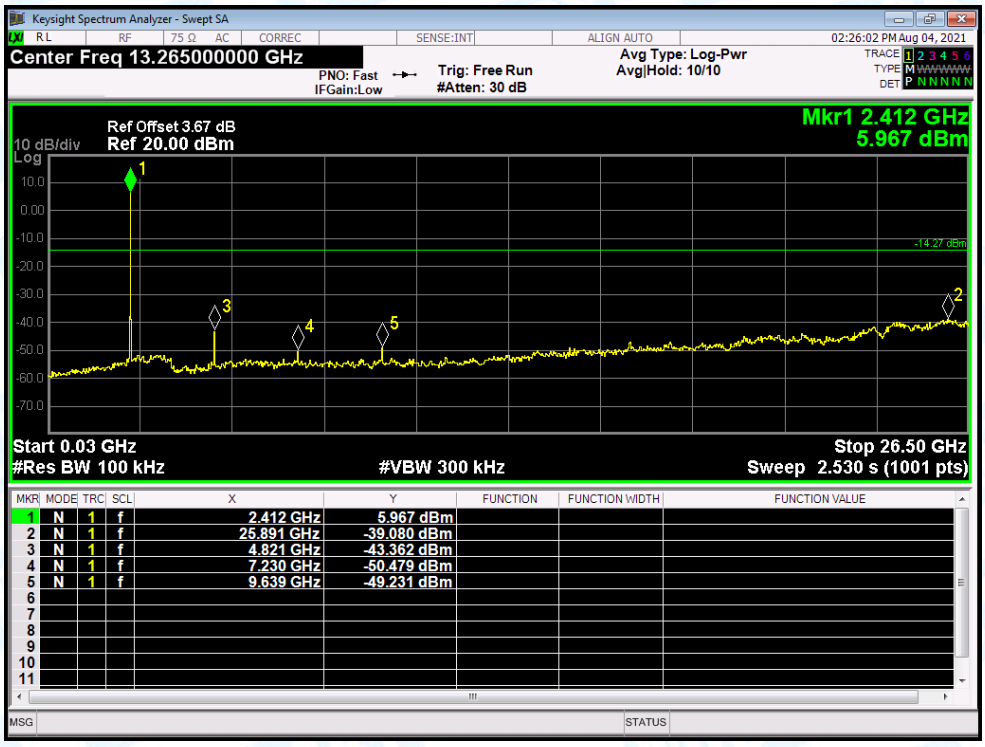
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-44.82	-20	Pass
NVNT	b	2412	Ant2	-46.99	-20	Pass
NVNT	b	2437	Ant1	-41.24	-20	Pass
NVNT	b	2437	Ant2	-45.85	-20	Pass
NVNT	b	2462	Ant1	-42.67	-20	Pass
NVNT	b	2462	Ant2	-46.27	-20	Pass
NVNT	g	2412	Ant1	-37.99	-20	Pass
NVNT	g	2412	Ant2	-35.81	-20	Pass
NVNT	g	2437	Ant1	-36.22	-20	Pass
NVNT	g	2437	Ant2	-37.35	-20	Pass
NVNT	g	2462	Ant1	-35.04	-20	Pass
NVNT	g	2462	Ant2	-37.29	-20	Pass
NVNT	n(HT20)	2412	Ant1	-34.47	-20	Pass
NVNT	n(HT20)	2412	Ant2	-36.32	-20	Pass
NVNT	n(HT20)	2437	Ant1	-32.1	-20	Pass
NVNT	n(HT20)	2437	Ant2	-37.15	-20	Pass
NVNT	n(HT20)	2462	Ant1	-32.65	-20	Pass
NVNT	n(HT20)	2462	Ant2	-34.03	-20	Pass
NVNT	n(HT40)	2422	Ant1	-27.74	-20	Pass
NVNT	n(HT40)	2422	Ant2	-30.39	-20	Pass
NVNT	n(HT40)	2437	Ant1	-27.59	-20	Pass
NVNT	n(HT40)	2437	Ant2	-30.94	-20	Pass
NVNT	n(HT40)	2452	Ant1	-27.48	-20	Pass
NVNT	n(HT40)	2452	Ant2	-30.44	-20	Pass

Test Graphs

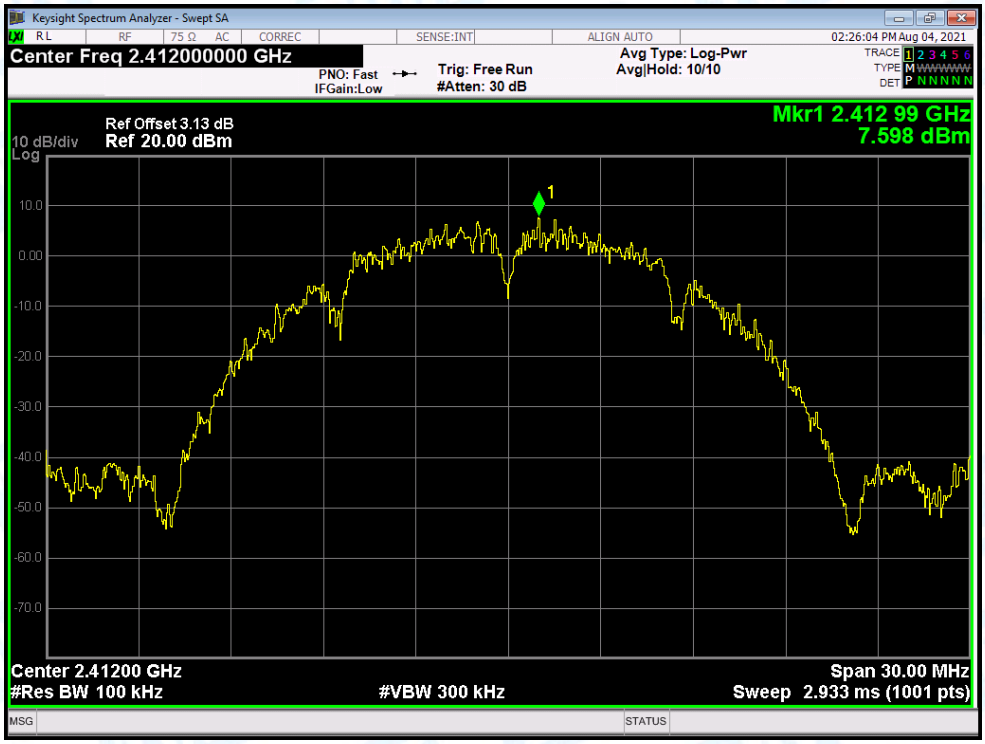
Tx. Spurious NVNT b 2412MHz Ant1 Ref



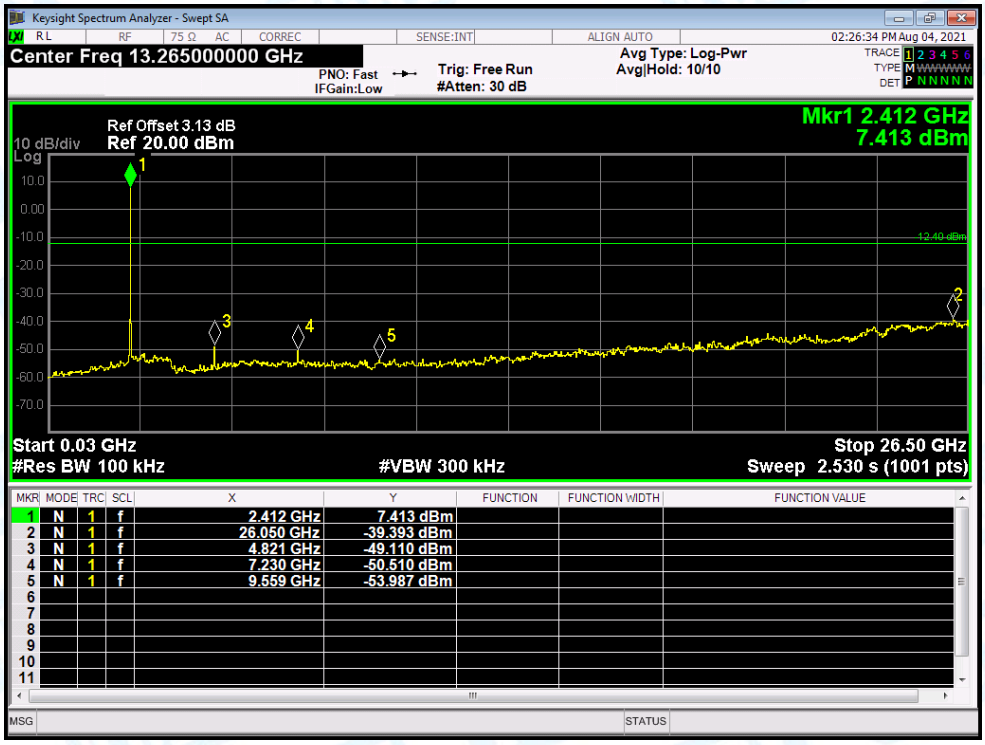
Tx. Spurious NVNT b 2412MHz Ant1 Emission



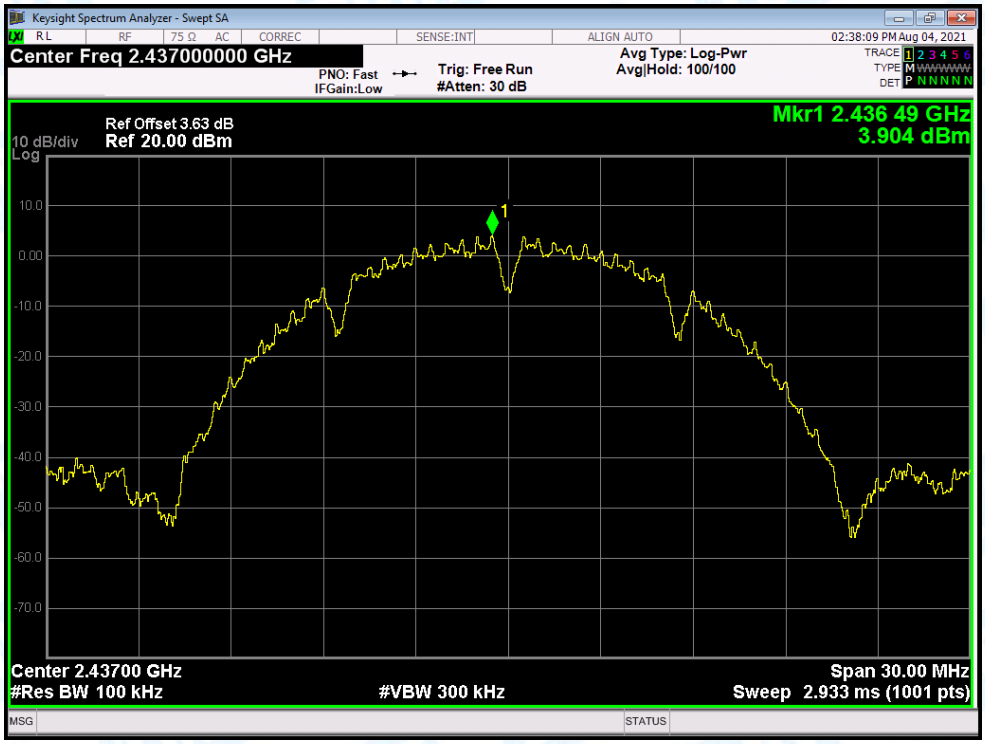
Tx. Spurious NVNT b 2412MHz Ant2 Ref



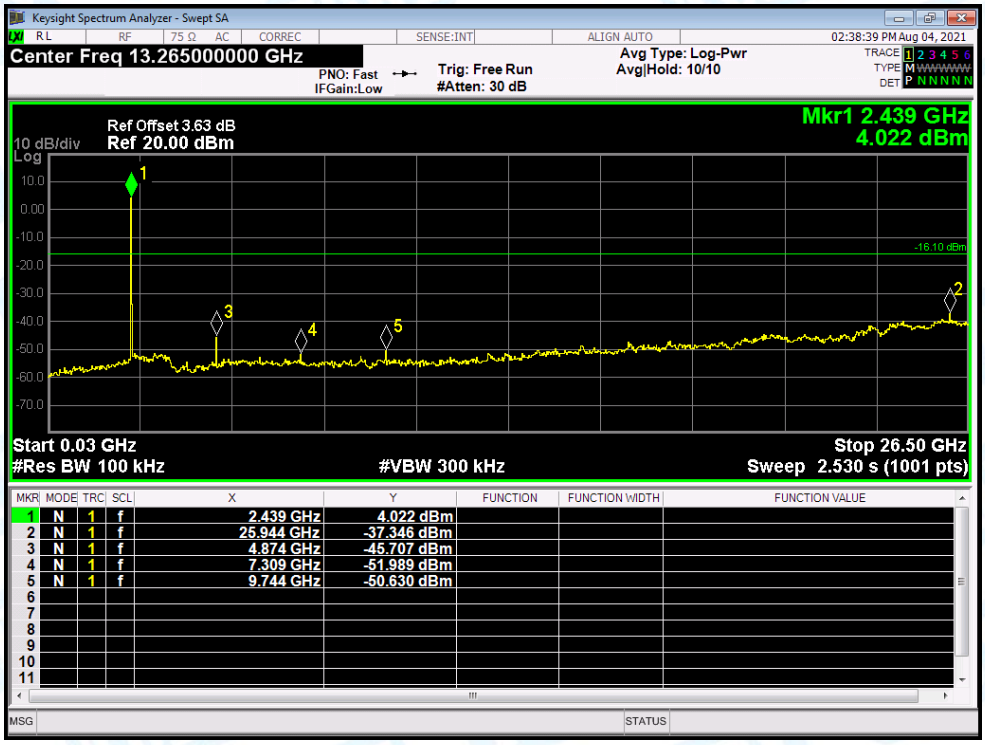
Tx. Spurious NVNT b 2412MHz Ant2 Emission



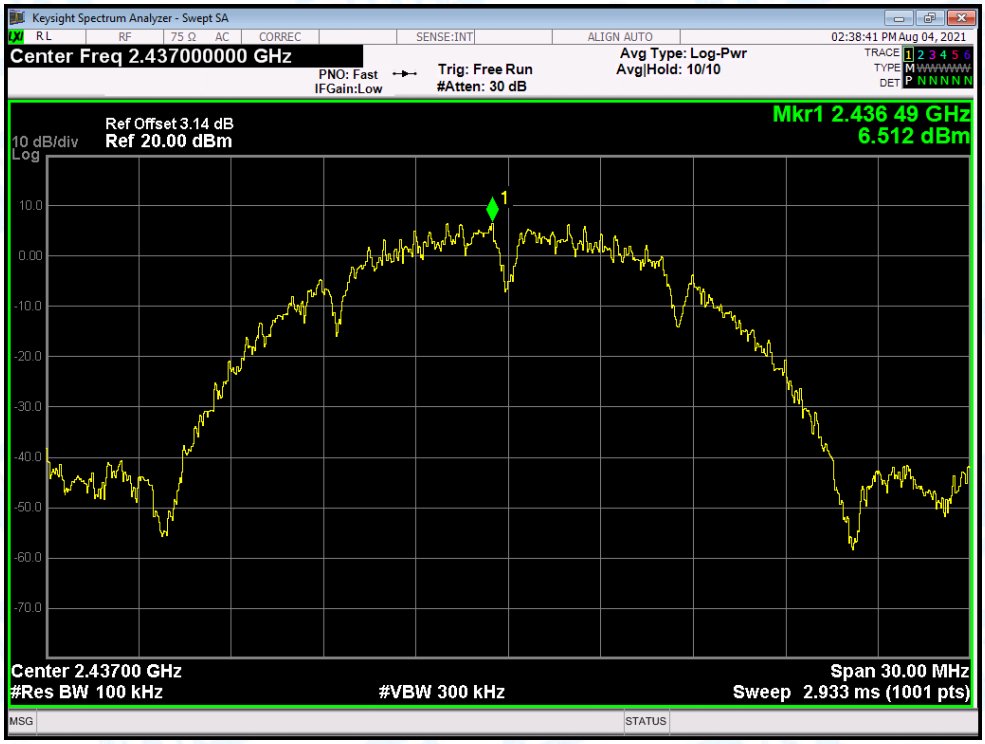
Tx. Spurious NVNT b 2437MHz Ant1 Ref



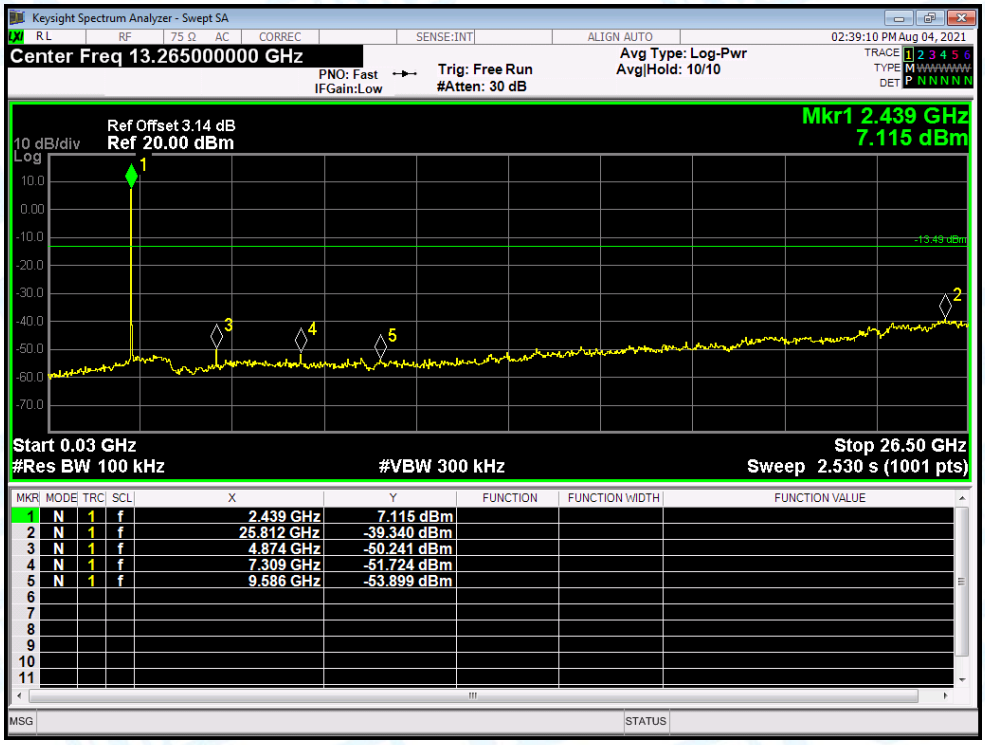
Tx. Spurious NVNT b 2437MHz Ant1 Emission



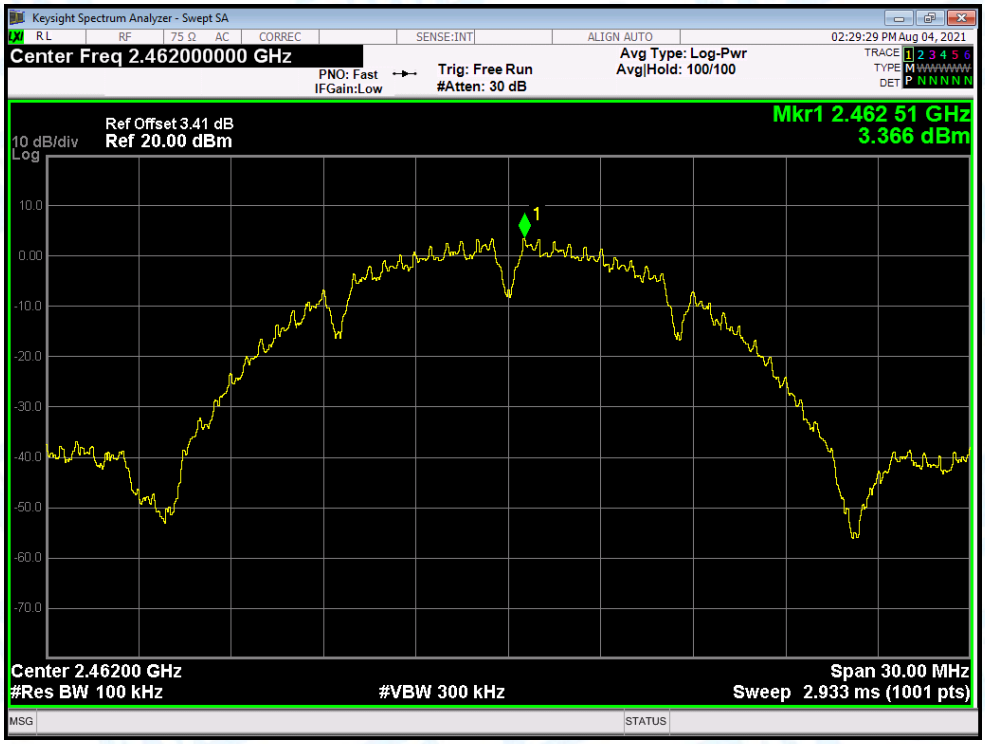
Tx. Spurious NVNT b 2437MHz Ant2 Ref



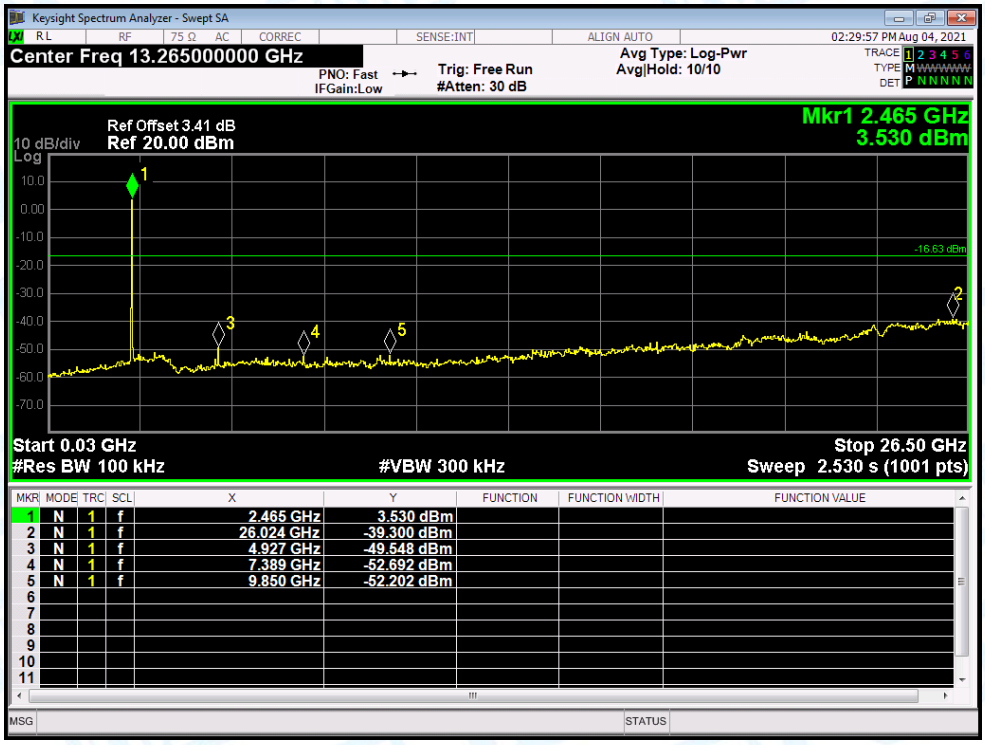
Tx. Spurious NVNT b 2437MHz Ant2 Emission



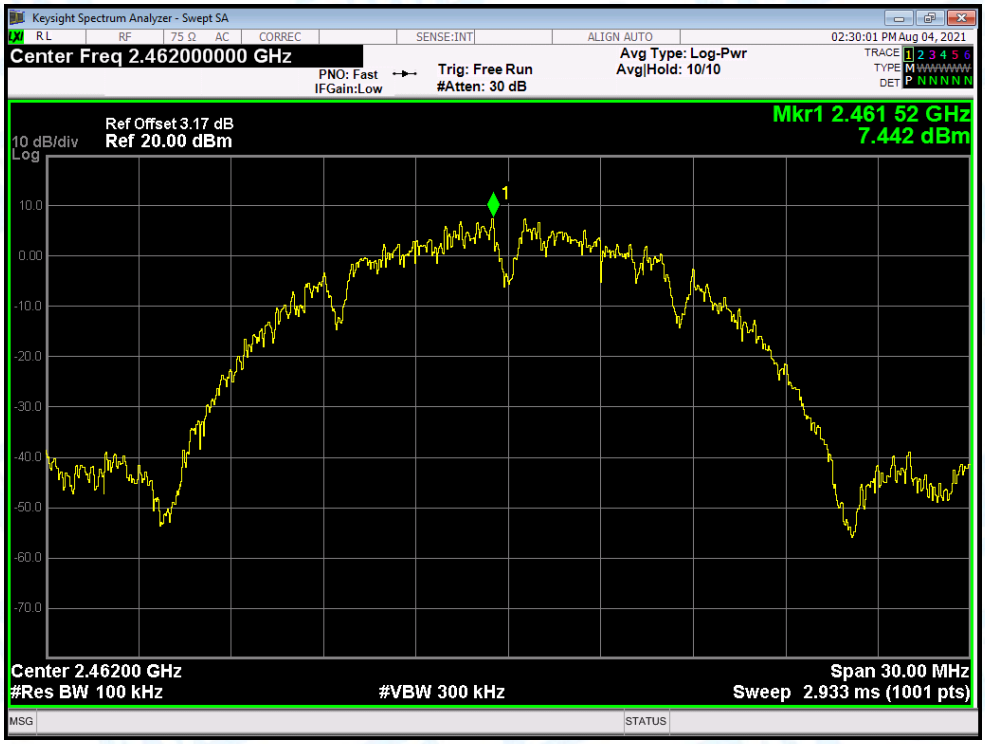
Tx. Spurious NVNT b 2462MHz Ant1 Ref



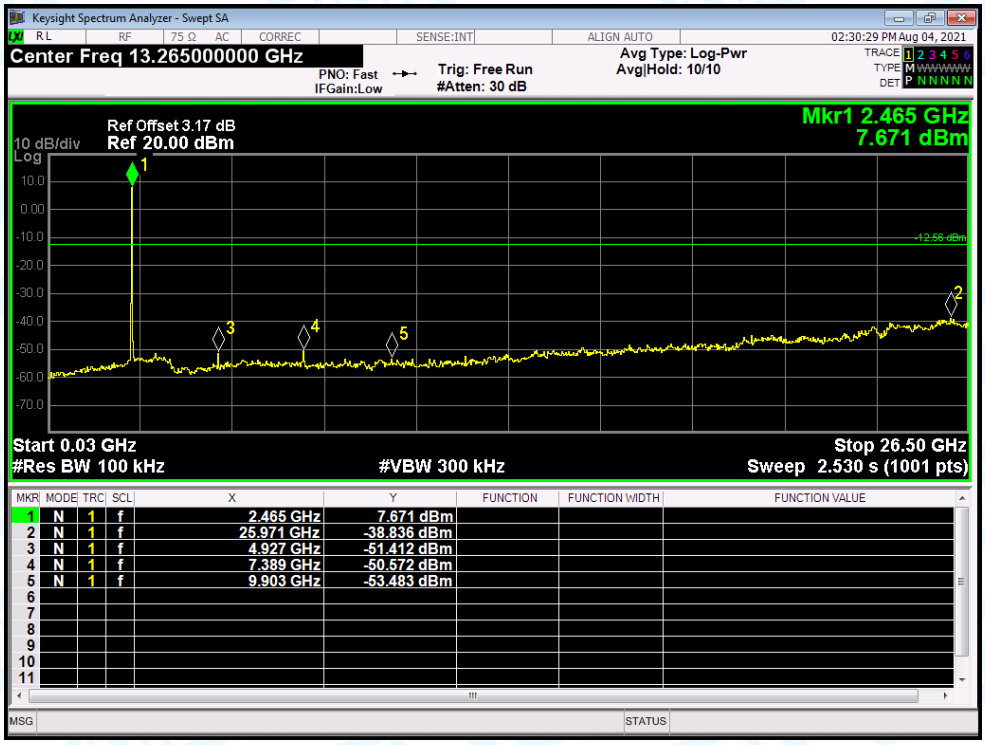
Tx. Spurious NVNT b 2462MHz Ant1 Emission



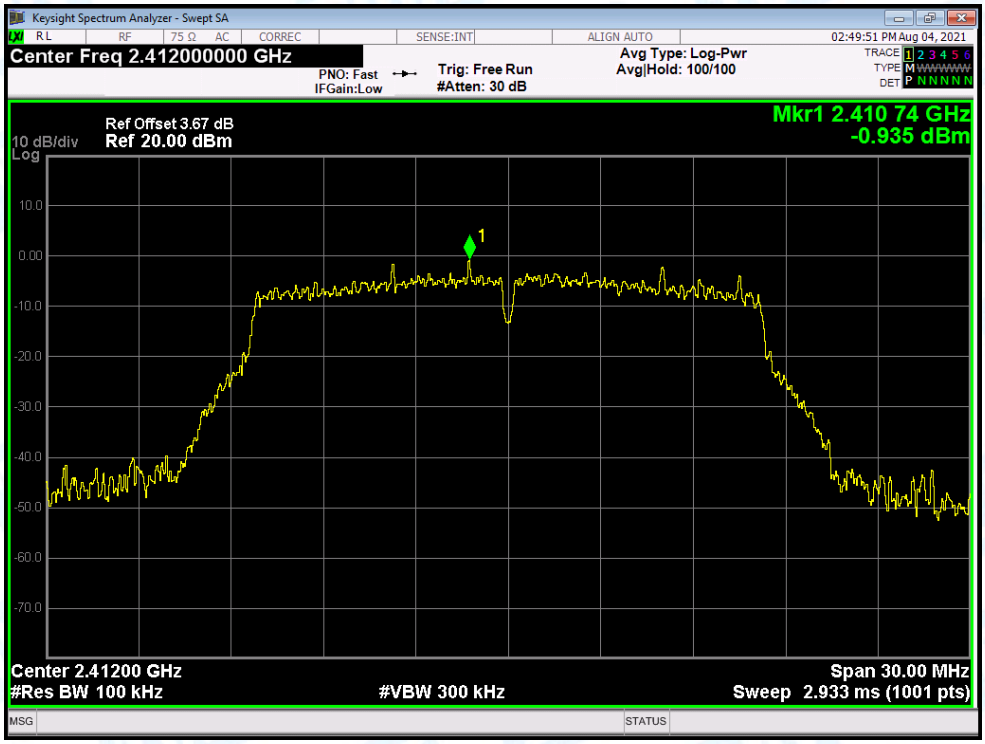
Tx. Spurious NVNT b 2462MHz Ant2 Ref



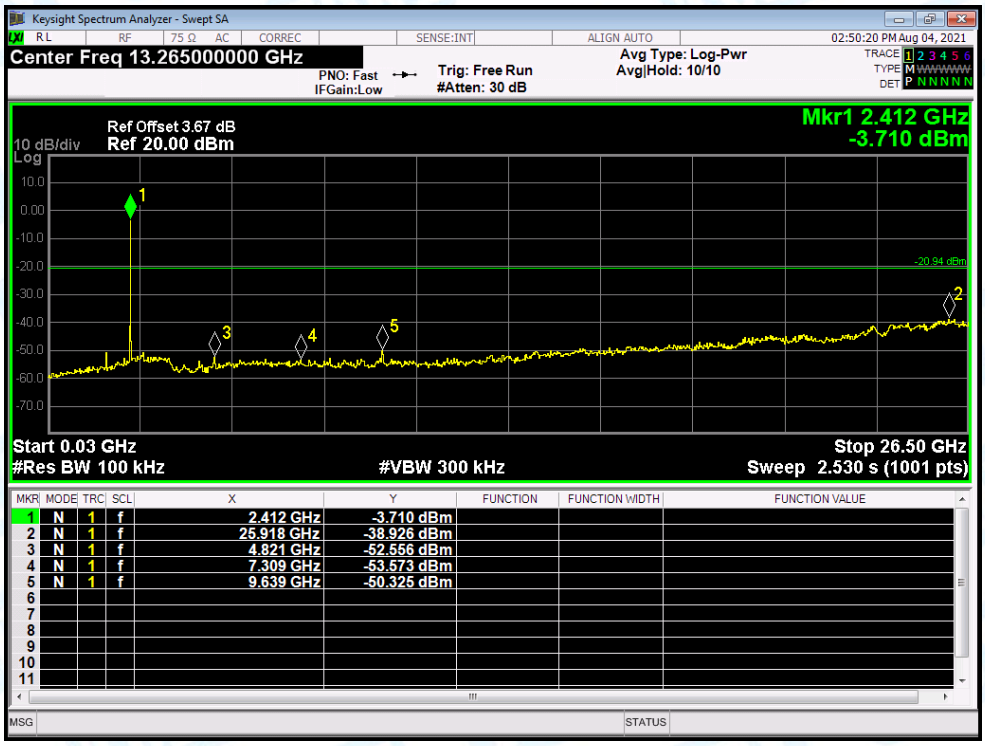
Tx. Spurious NVNT b 2462MHz Ant2 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



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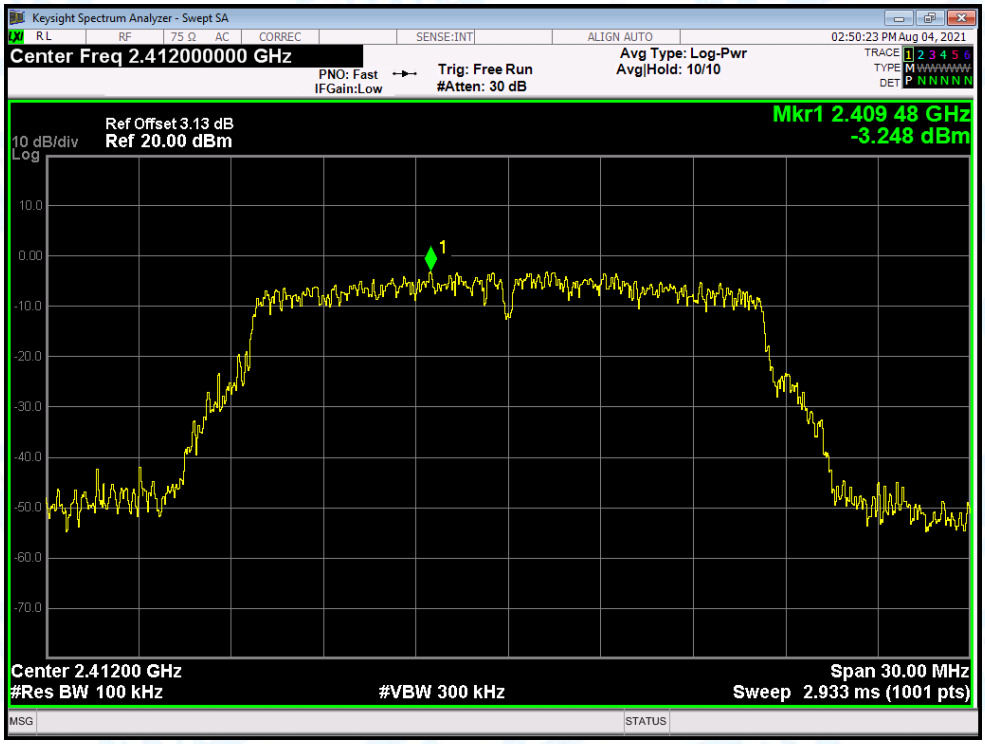
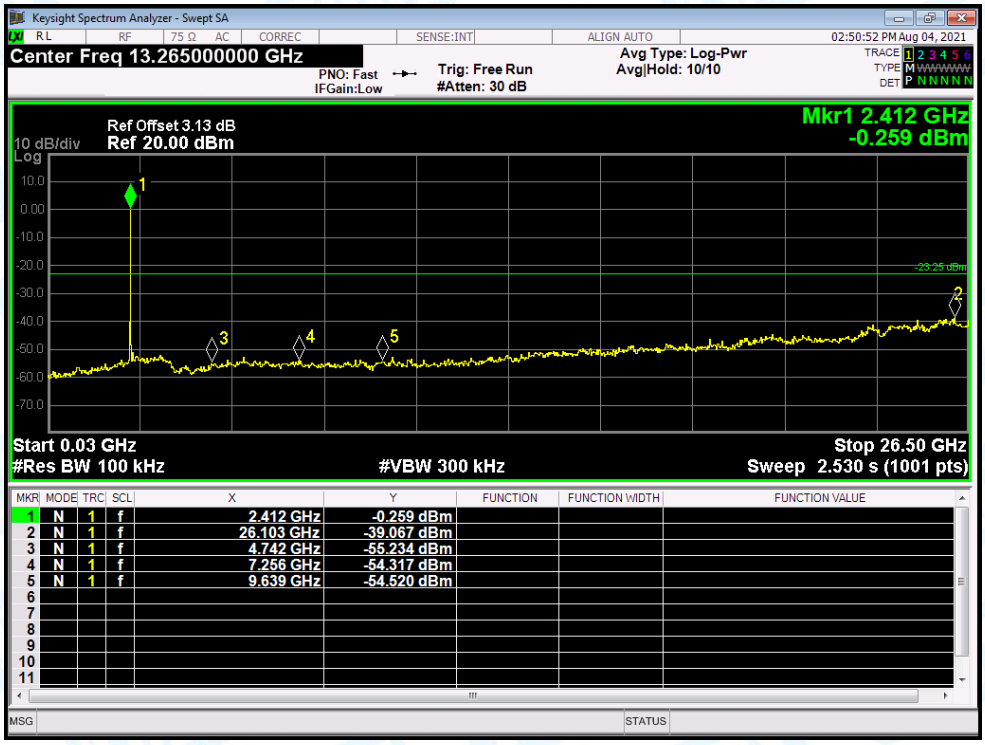
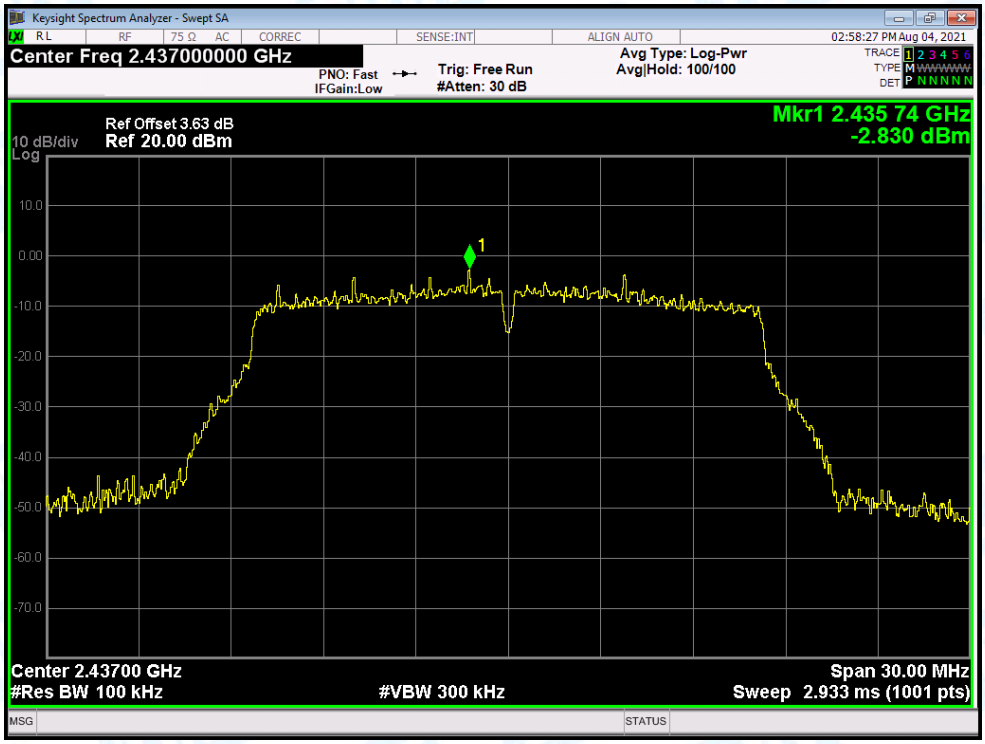


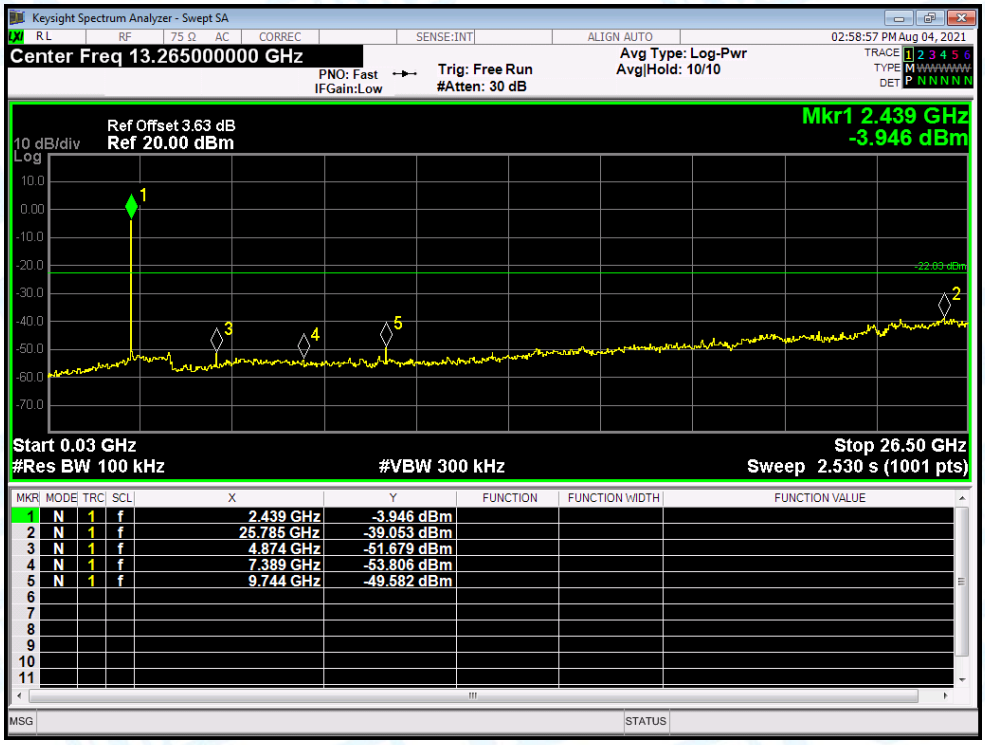
Tx. Spurious NVNT g 2412MHz Ant2 Emission



Tx. Spurious NVNT g 2437MHz Ant1 Ref

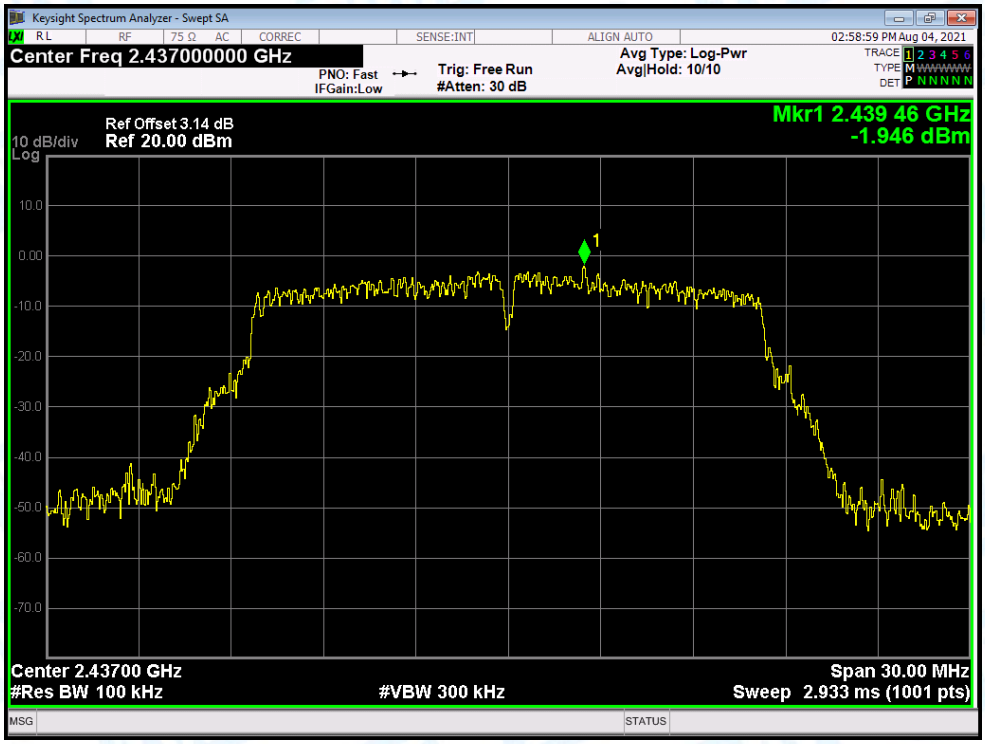


Tx. Spurious NVNT g 2437MHz Ant1 Emission

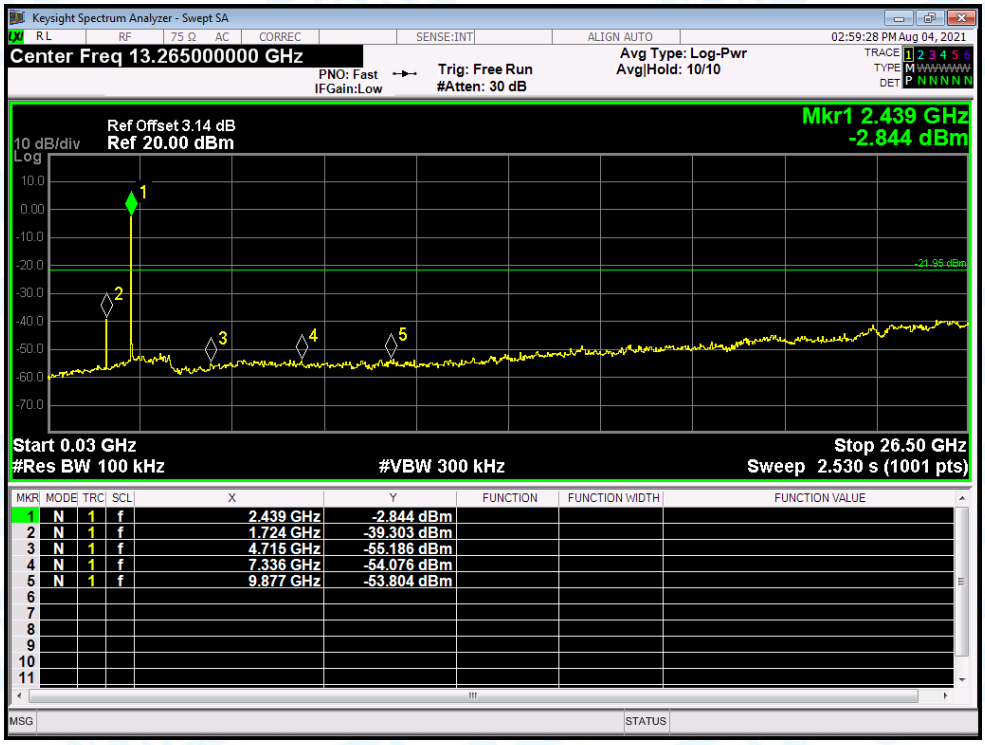


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.439 GHz	-3.946 dBm			
2	N	1	f	25.785 GHz	-39.053 dBm			
3	N	1	f	4.874 GHz	-51.679 dBm			
4	N	1	f	7.389 GHz	-53.806 dBm			
5	N	1	f	9.744 GHz	-49.582 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT g 2437MHz Ant2 Ref

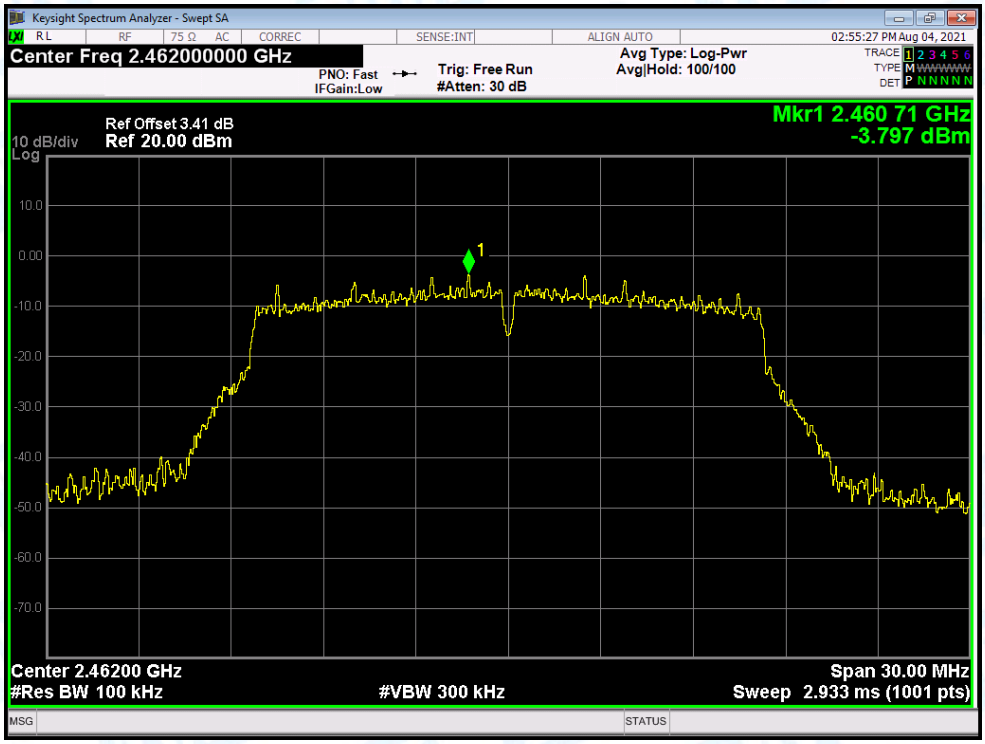


Tx. Spurious NVNT g 2437MHz Ant2 Emission

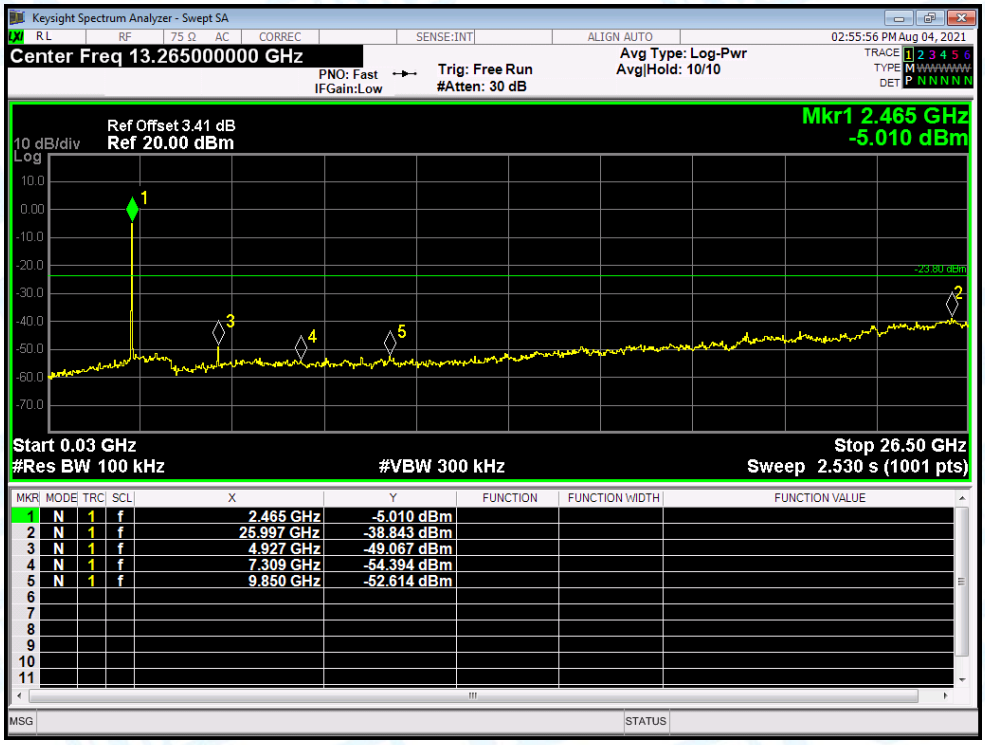


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.439 GHz	-2.844 dBm			
2	N	1	f	1.724 GHz	-39.303 dBm			
3	N	1	f	4.715 GHz	-55.186 dBm			
4	N	1	f	7.336 GHz	-54.076 dBm			
5	N	1	f	9.877 GHz	-53.804 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission



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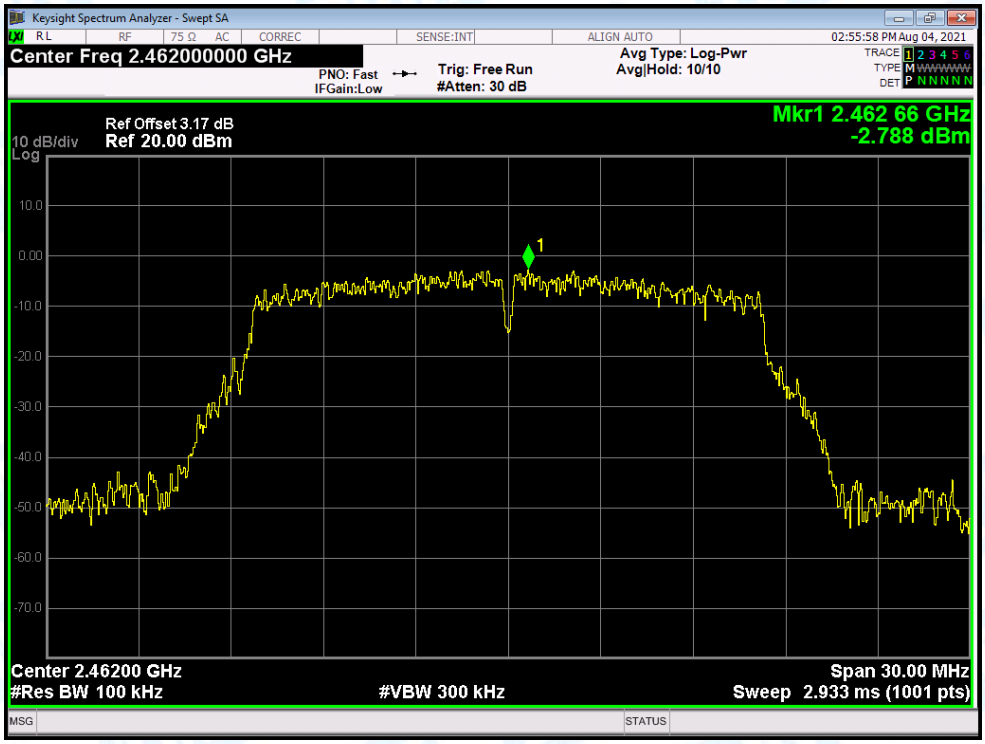
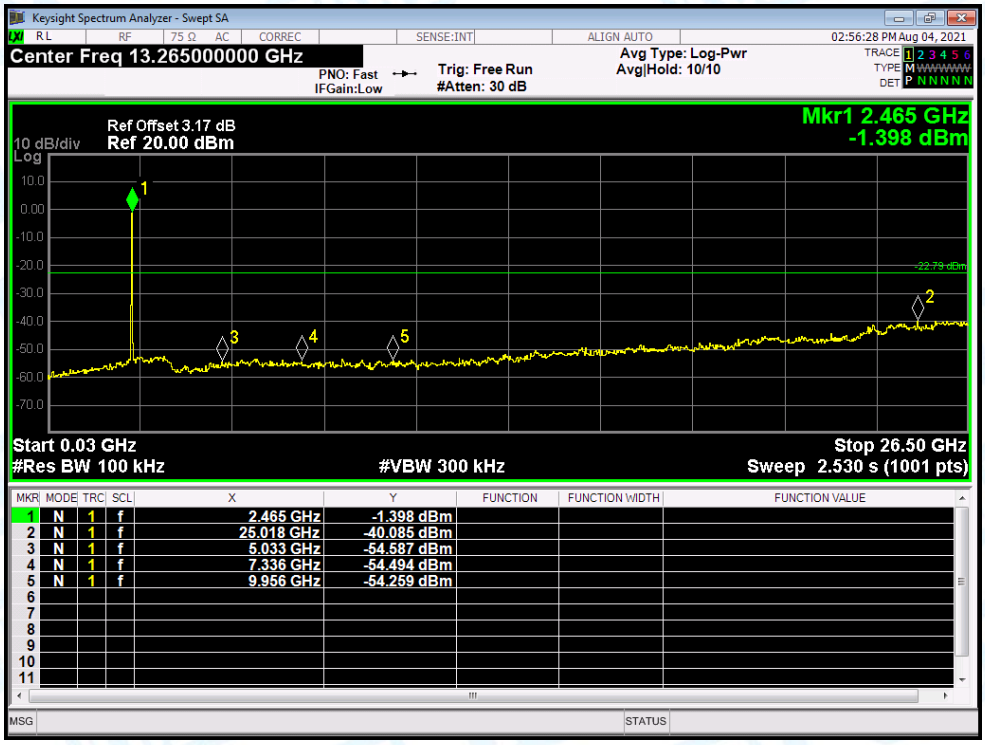
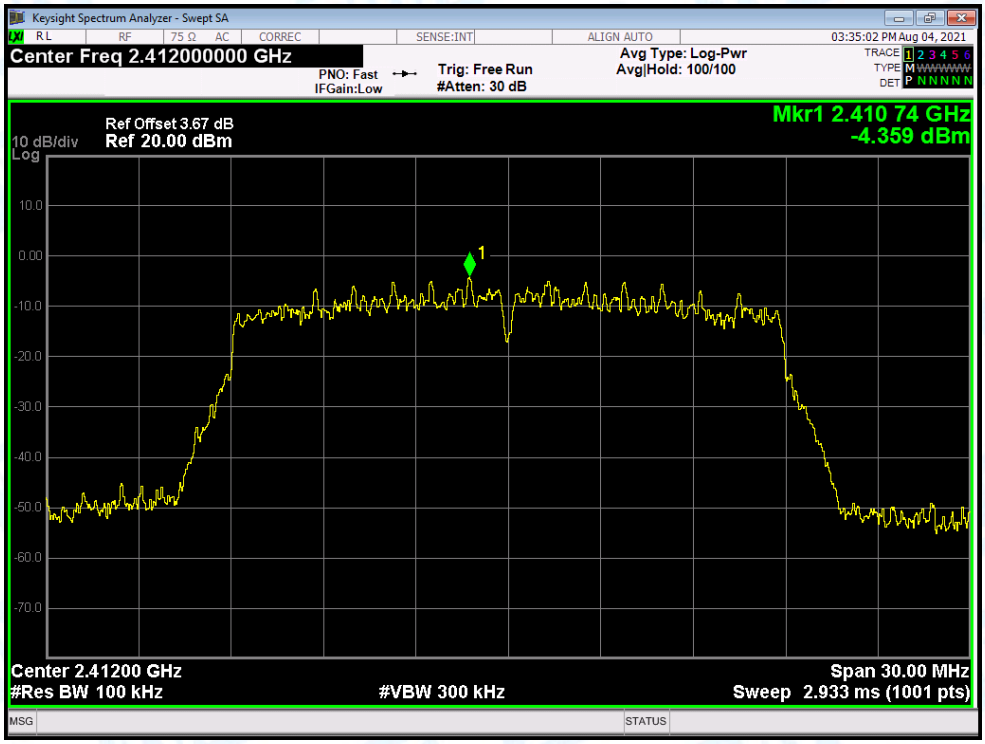


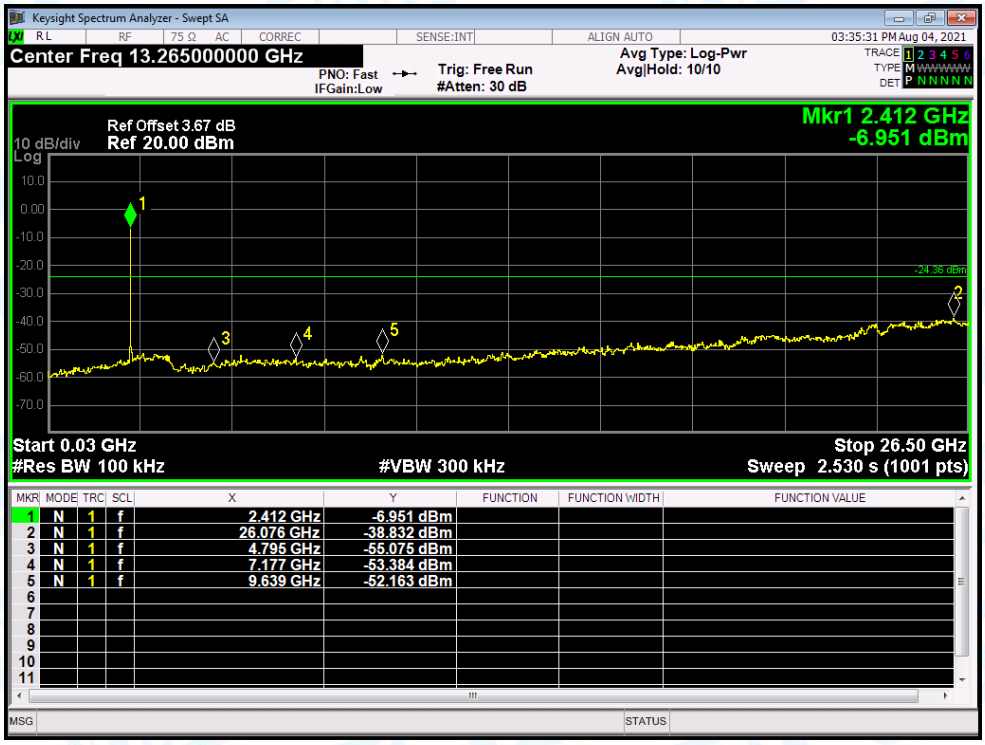
Tx. Spurious NVNT g 2462MHz Ant2 Emission



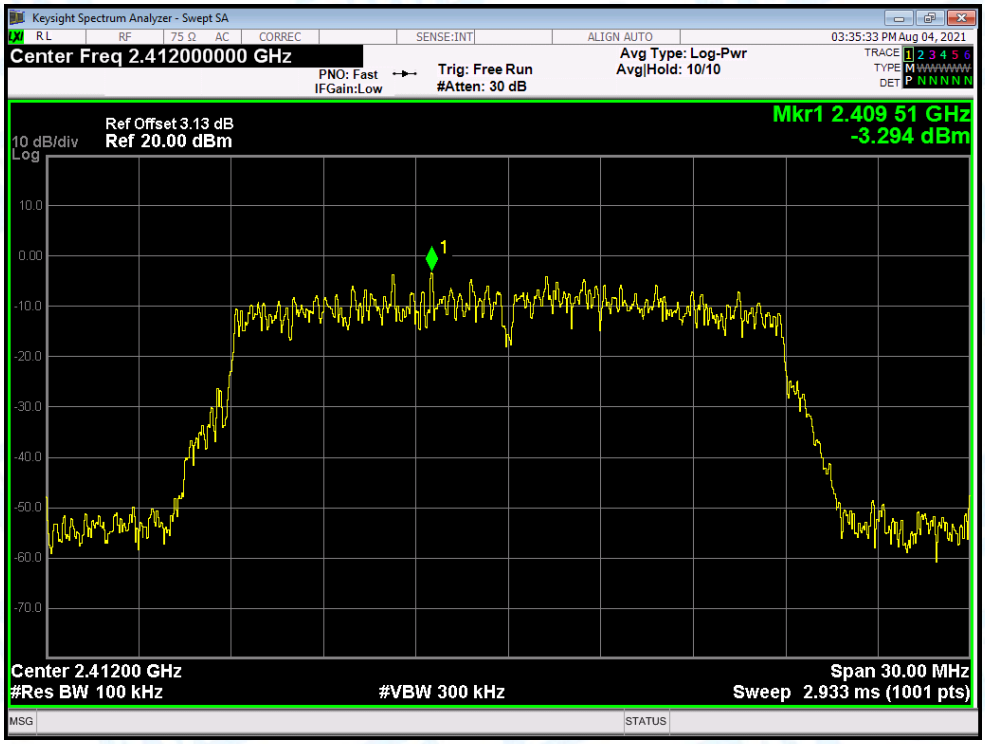
Tx. Spurious NVNT n(HT20) 2412MHz Ant1 Ref



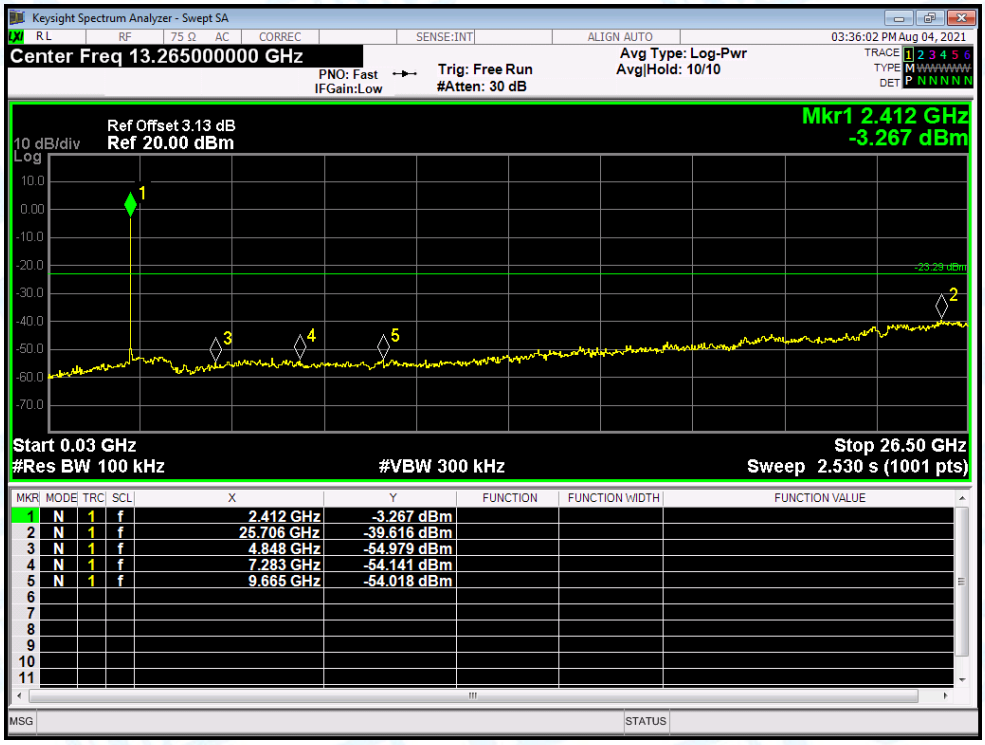
Tx. Spurious NVNT n(HT20) 2412MHz Ant1 Emission



Tx. Spurious NVNT n(HT20) 2412MHz Ant2 Ref

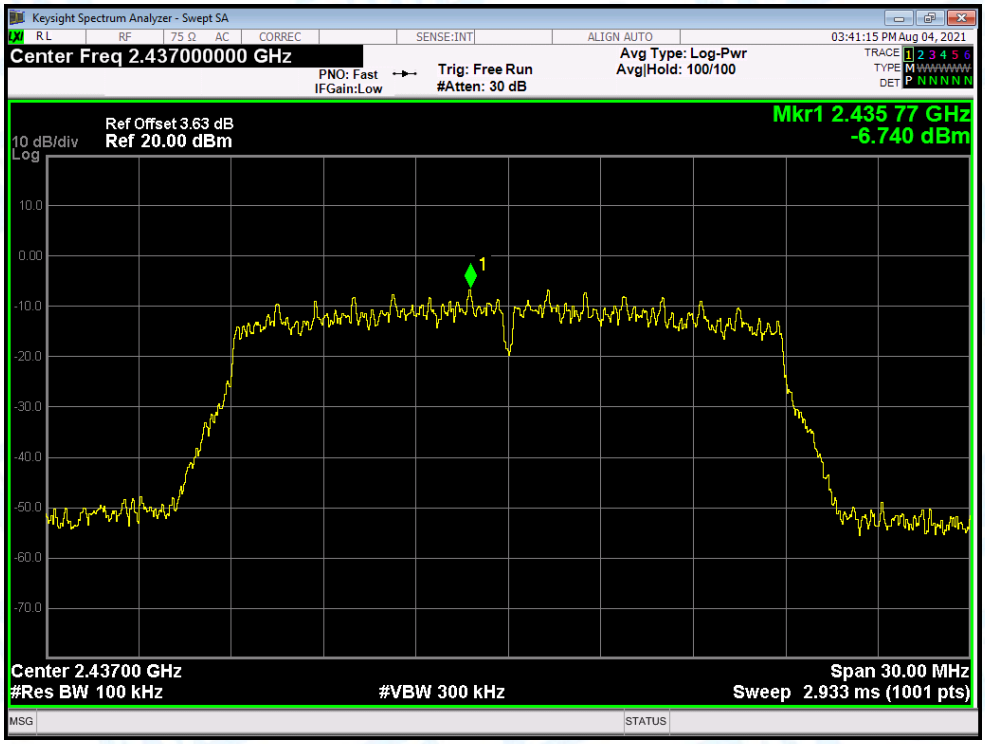


Tx. Spurious NVNT n(HT20) 2412MHz Ant2 Emission

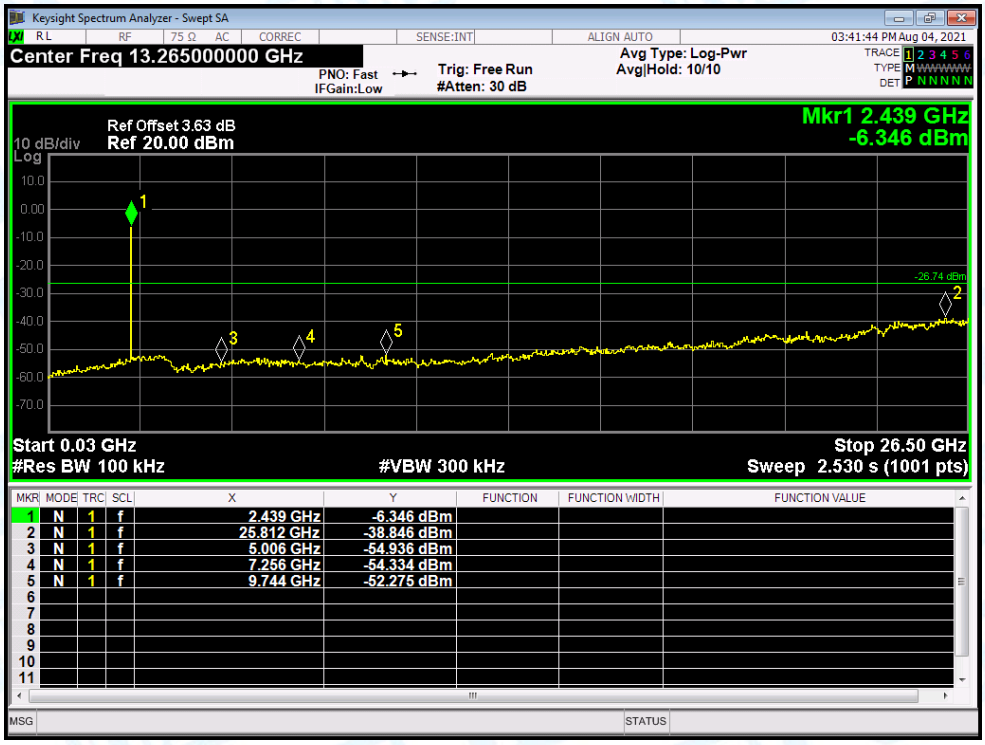


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.412 GHz	-3.267 dBm			
2	N	1	f	25.706 GHz	-39.616 dBm			
3	N	1	f	4.848 GHz	-54.979 dBm			
4	N	1	f	7.283 GHz	-54.141 dBm			
5	N	1	f	9.665 GHz	-54.018 dBm			
6								
7								
8								
9								
10								
11								

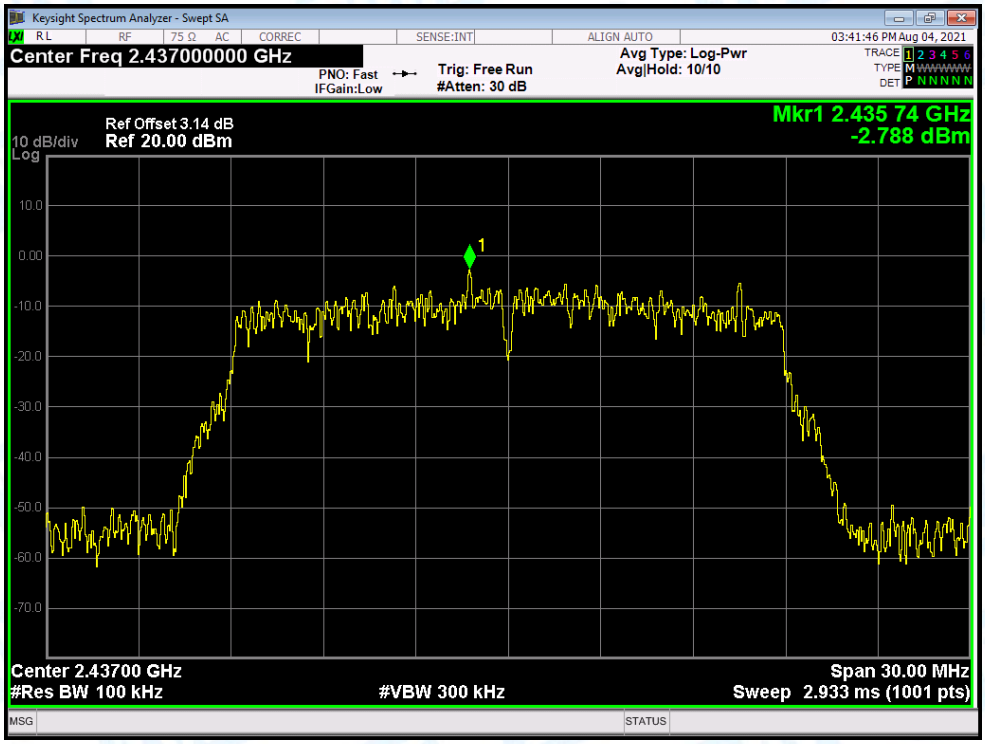
Tx. Spurious NVNT n(HT20) 2437MHz Ant1 Ref



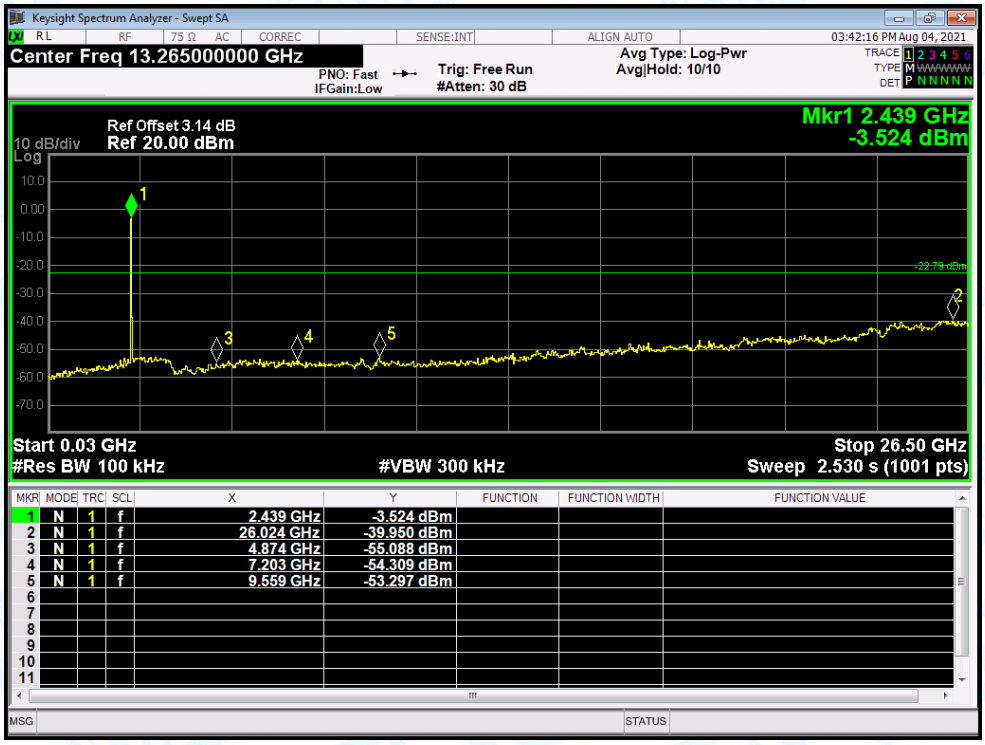
Tx. Spurious NVNT n(HT20) 2437MHz Ant1 Emission



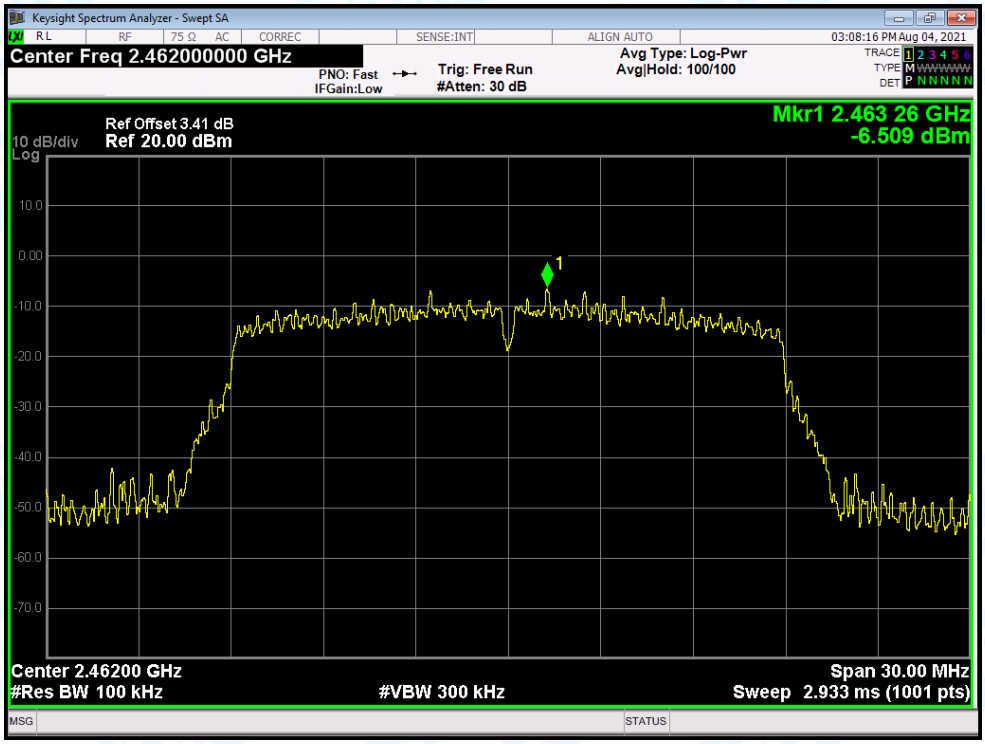
Tx. Spurious NVNT n(HT20) 2437MHz Ant2 Ref



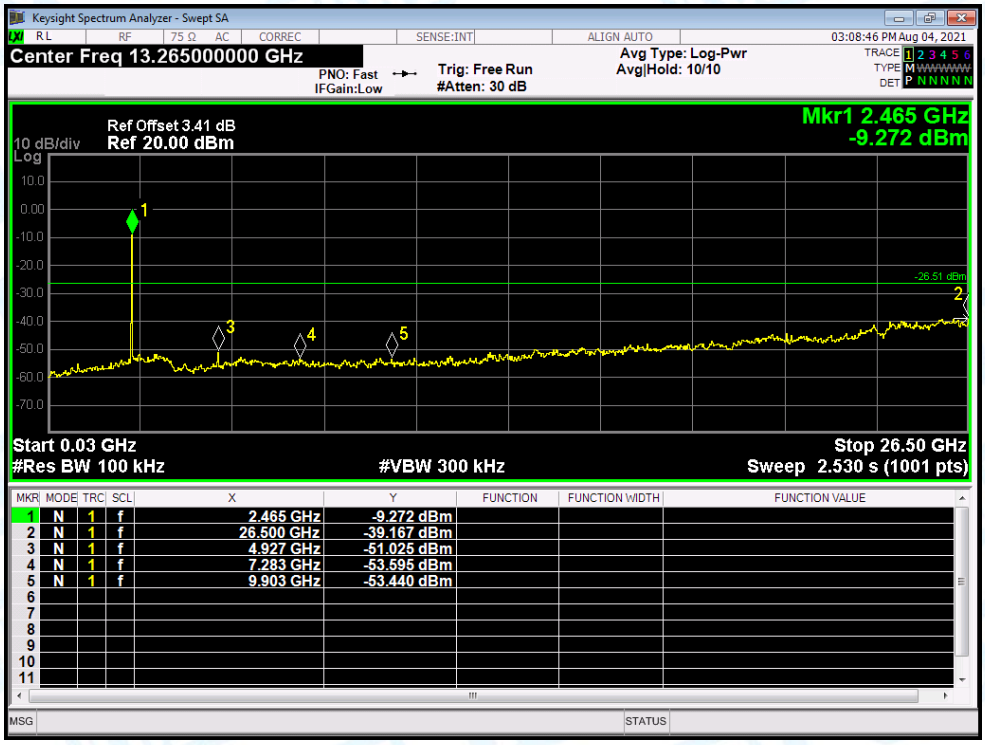
Tx. Spurious NVNT n(HT20) 2437MHz Ant2 Emission



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

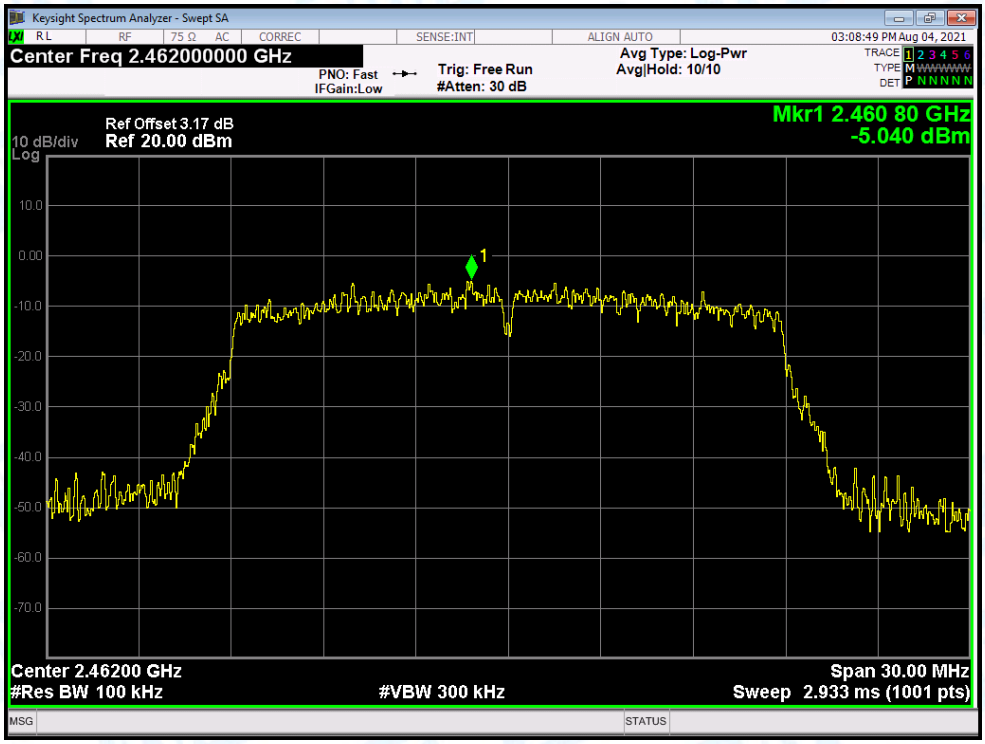


Tx. Spurious NVNT n(HT20) 2462MHz Ant1 Emission

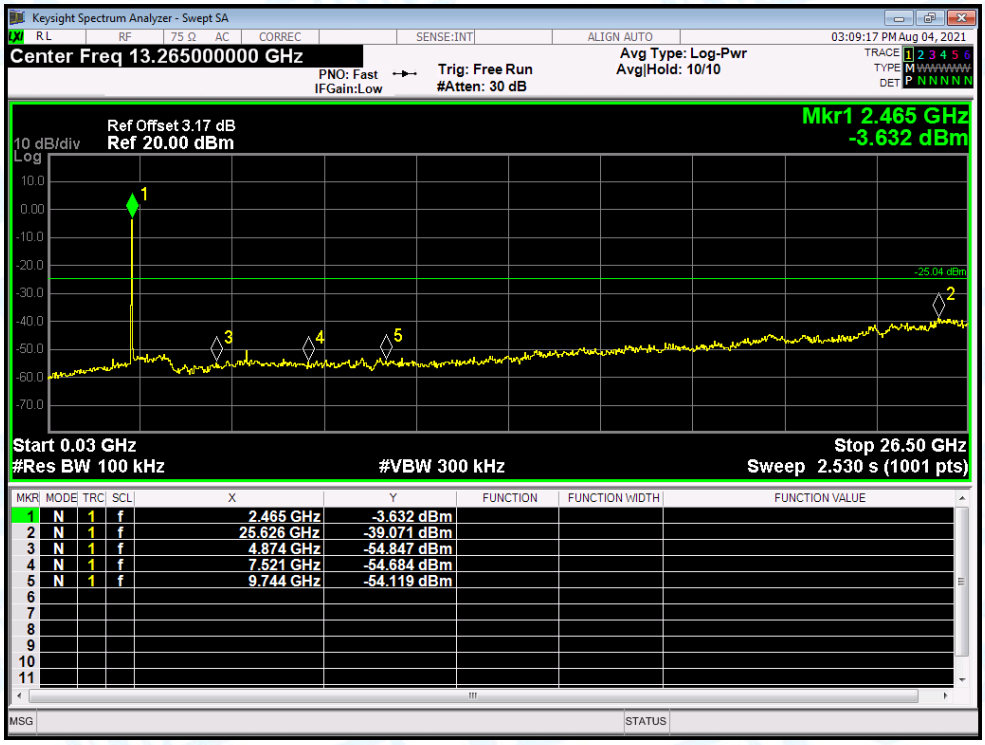


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.465 GHz	-9.272 dBm			
2	N	1	f	26.500 GHz	-39.167 dBm			
3	N	1	f	4.927 GHz	-51.025 dBm			
4	N	1	f	7.283 GHz	-53.595 dBm			
5	N	1	f	9.903 GHz	-53.440 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n(HT20) 2462MHz Ant2 Ref

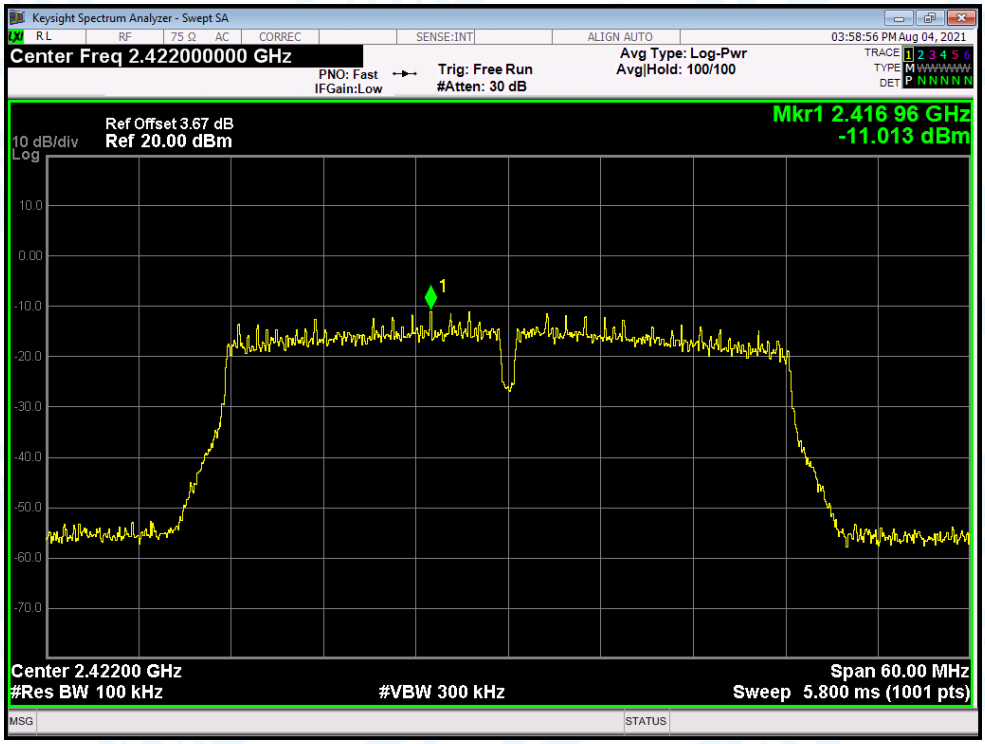


Tx. Spurious NVNT n(HT20) 2462MHz Ant2 Emission

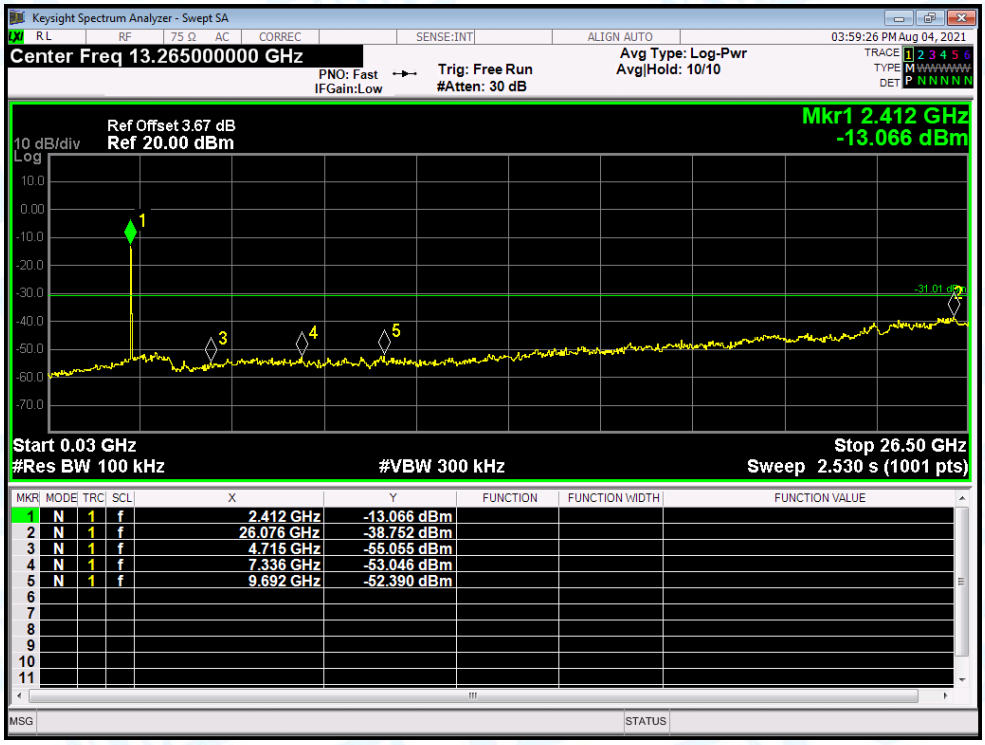


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.465 GHz	-3.632 dBm			
2	N	1	f	25.626 GHz	-39.071 dBm			
3	N	1	f	4.874 GHz	-54.847 dBm			
4	N	1	f	7.521 GHz	-54.684 dBm			
5	N	1	f	9.744 GHz	-54.119 dBm			
6								
7								
8								
9								
10								
11								

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

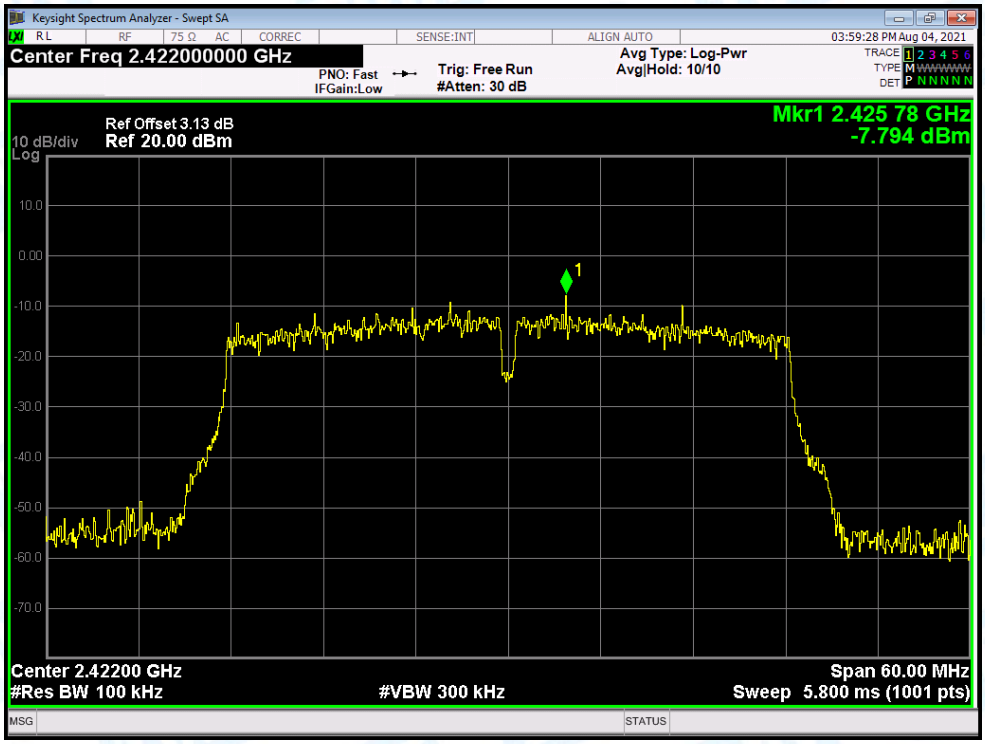


Tx. Spurious NVNT n(HT40) 2422MHz Ant1 Emission

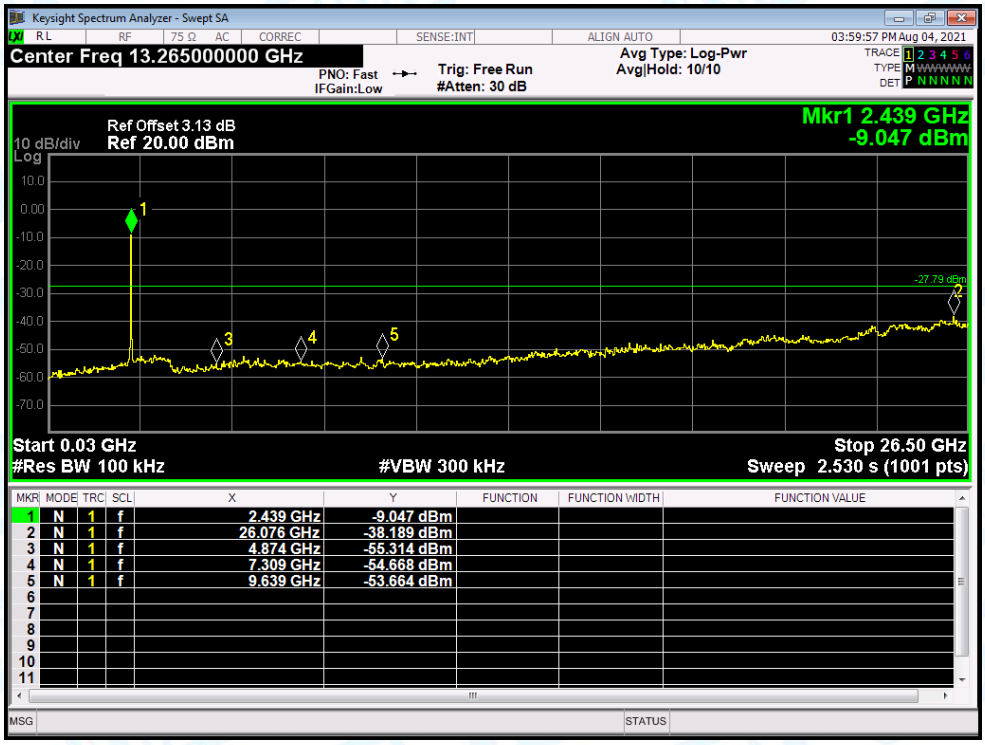


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.412 GHz	-13.066 dBm			
2	N	1	f	26.076 GHz	-38.752 dBm			
3	N	1	f	4.715 GHz	-55.055 dBm			
4	N	1	f	7.336 GHz	-53.046 dBm			
5	N	1	f	9.692 GHz	-52.390 dBm			
6								
7								
8								
9								
10								
11								

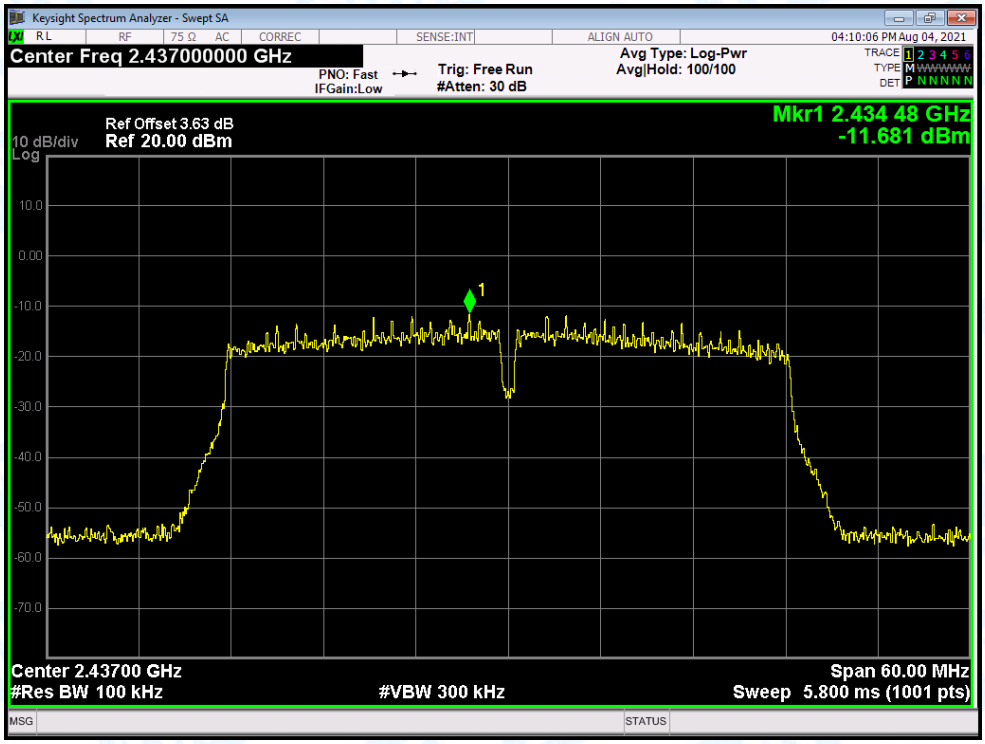
Tx. Spurious NVNT n(HT40) 2422MHz Ant2 Ref



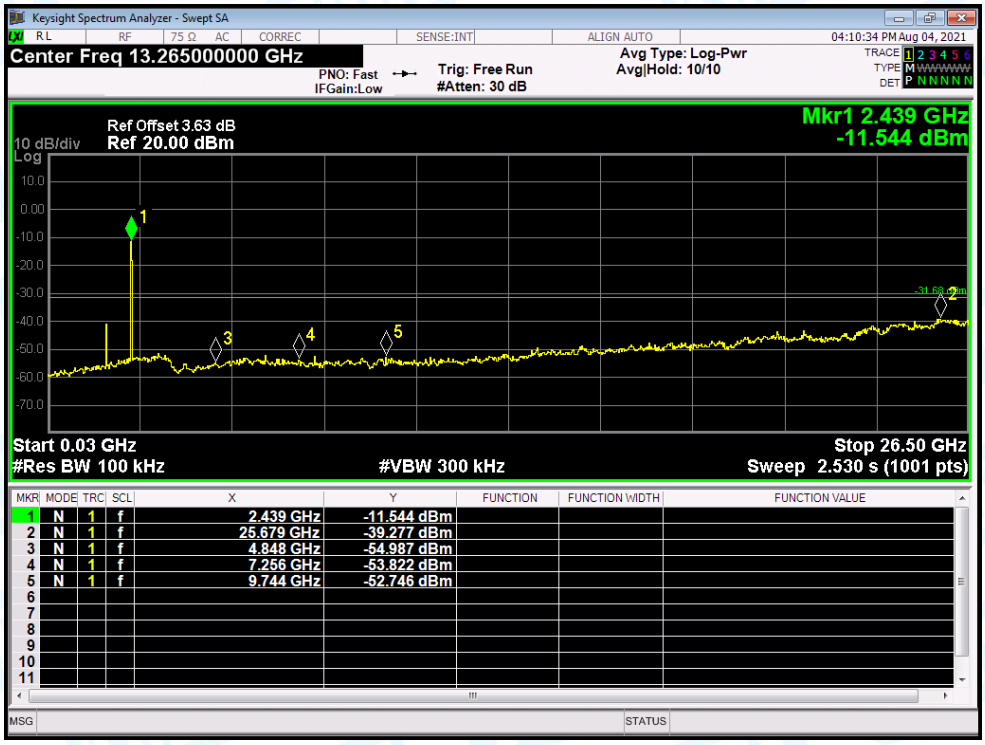
Tx. Spurious NVNT n(HT40) 2422MHz Ant2 Emission



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



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



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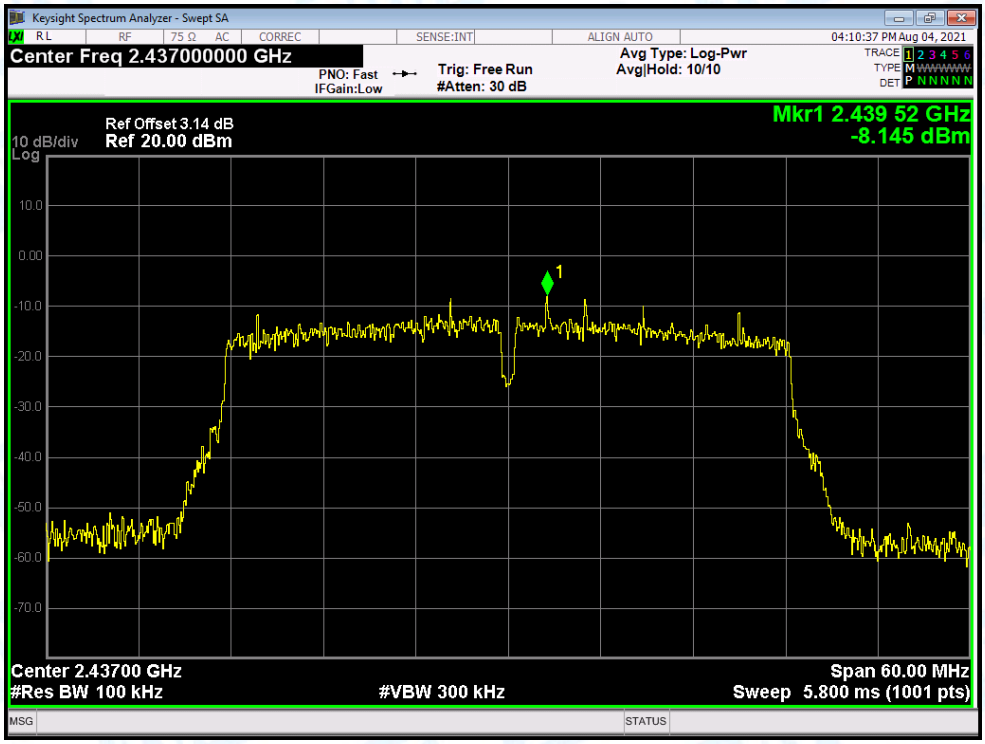
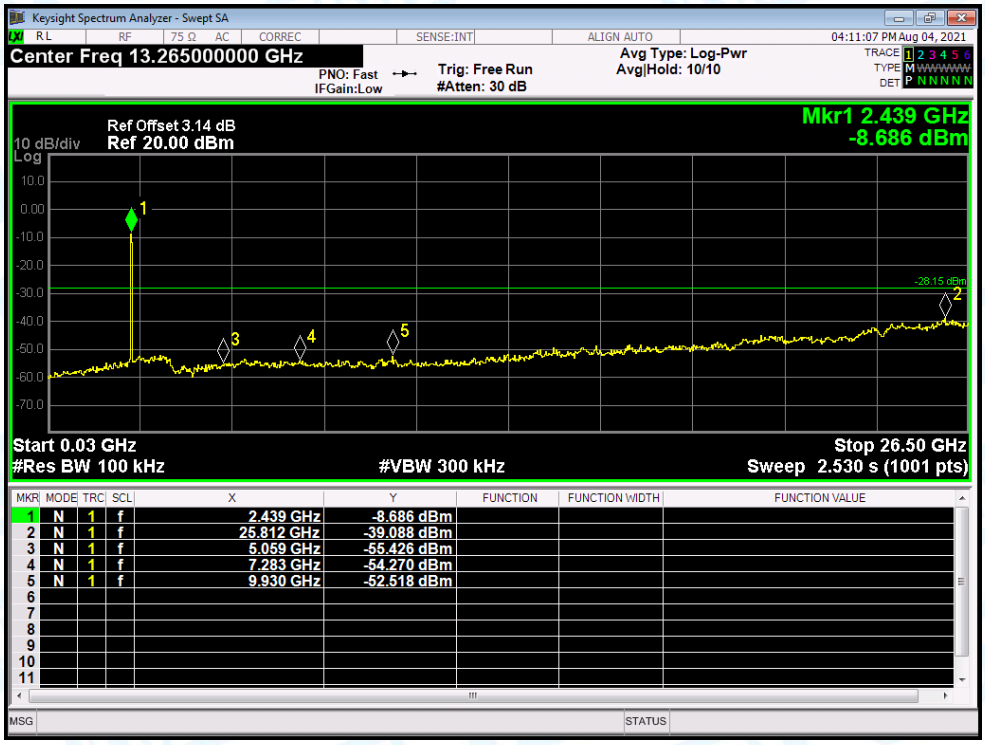
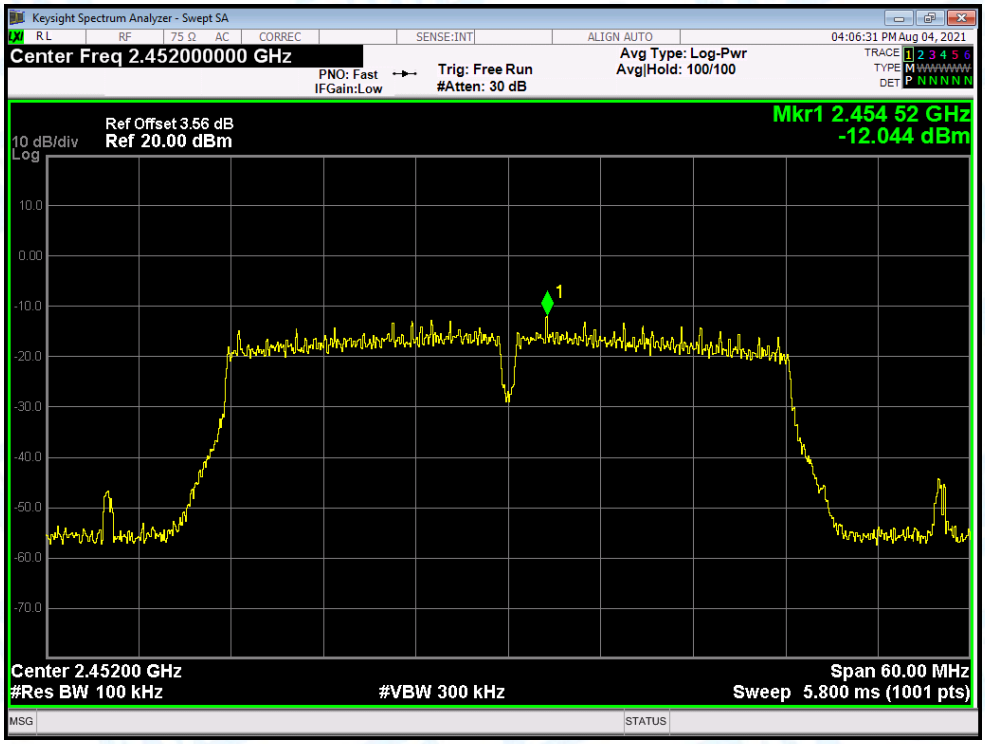


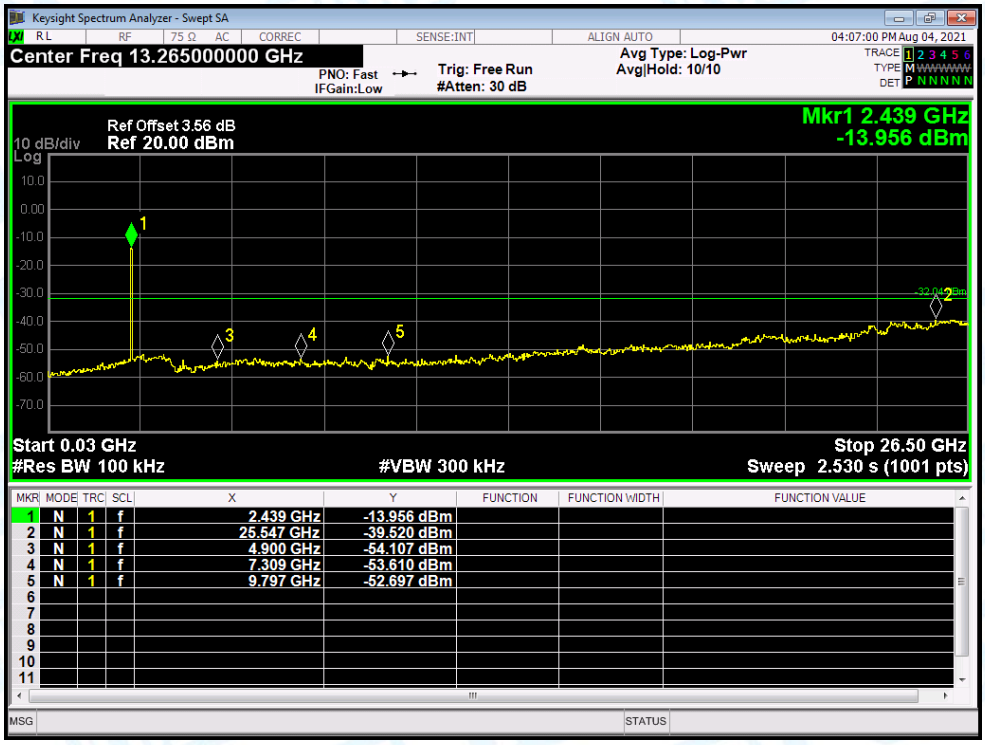
Tx. Spurious NVNT n(HT40) 2437MHz Ant2 Emission



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



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



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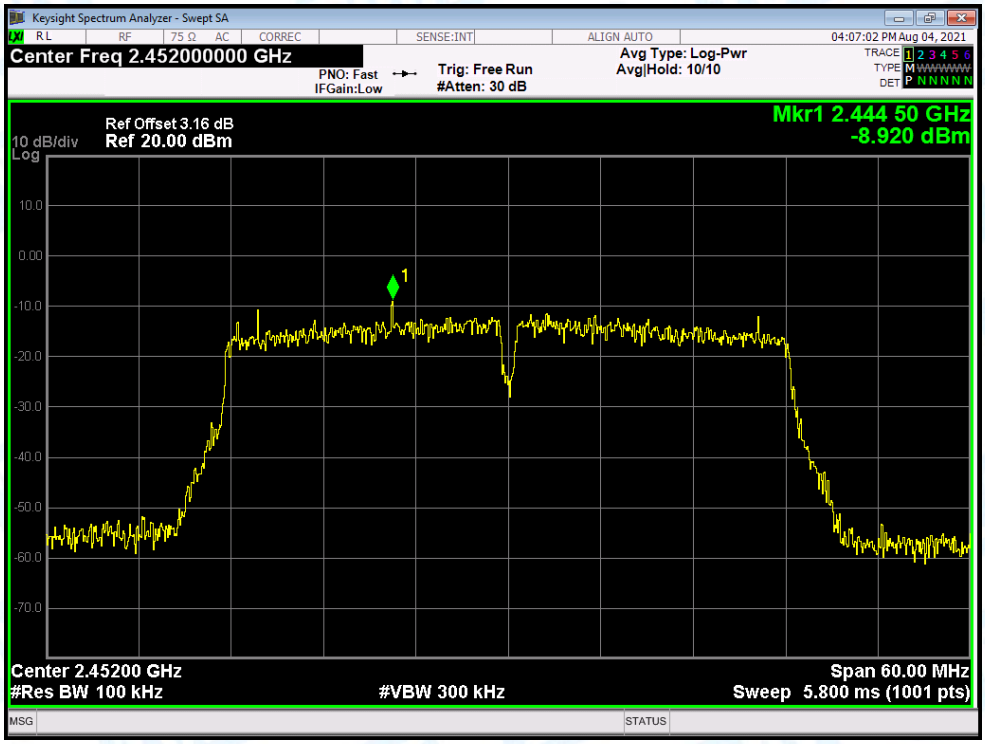
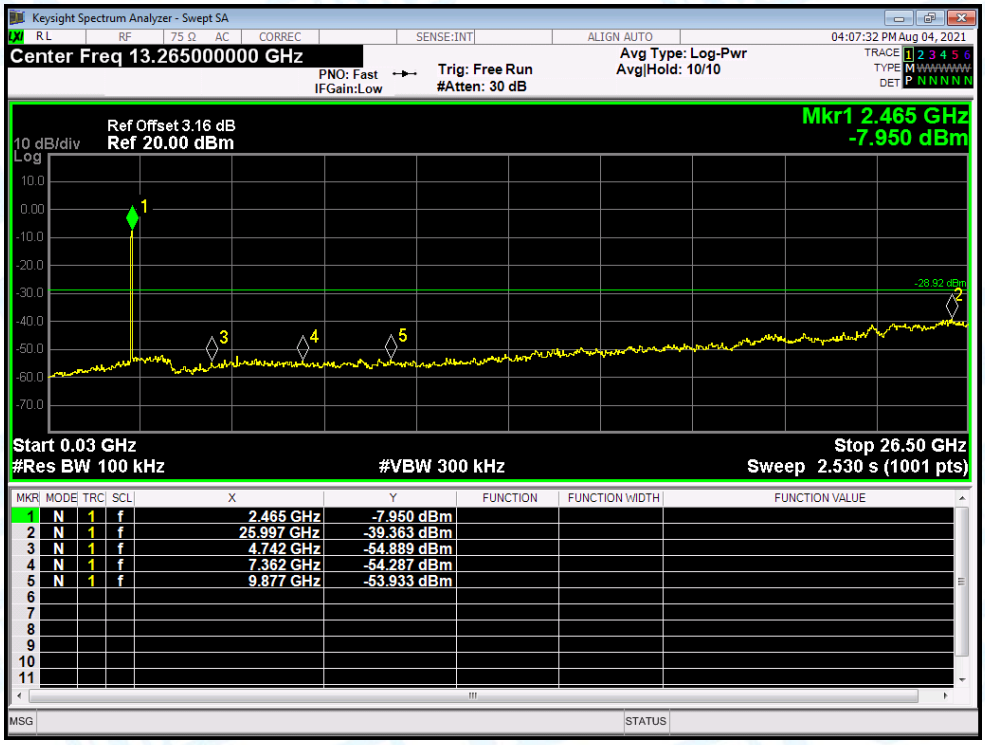


Tx. Spurious NVNT n(HT40) 2452MHz Ant2 Emission



8.Restrict Band

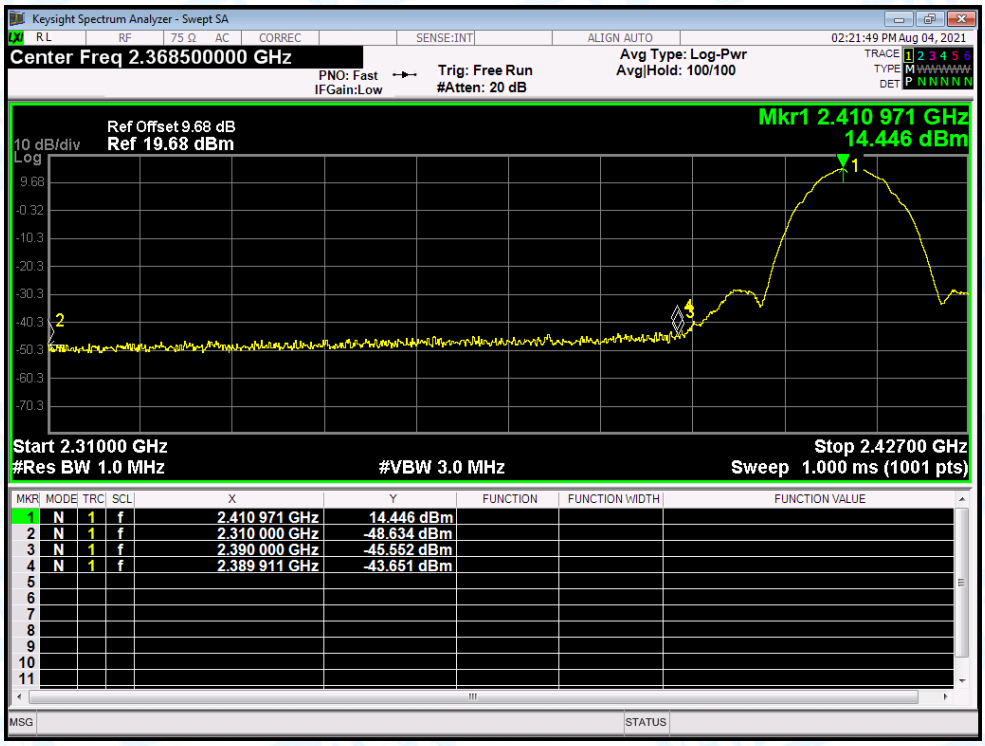
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant1	2310	-48.2	2.00	49.05	Peak	74	Pass
NVNT	b	2412	Ant1	2310	-59.96	2.00	37.29	Average	54	Pass
NVNT	b	2412	Ant1	2389.911	-43.65	2.00	53.60	Peak	74	Pass
NVNT	b	2412	Ant1	2389.911	-54.23	2.00	43.02	Average	54	Pass
NVNT	b	2412	Ant1	2390	-45.55	2.00	51.70	Peak	74	Pass
NVNT	b	2412	Ant1	2390	-54.07	2.00	43.18	Average	54	Pass
NVNT	b	2412	Ant2	2310	-49.92	2.00	47.33	Peak	74	Pass
NVNT	b	2412	Ant2	2310	-60.2	2.00	37.05	Average	54	Pass
NVNT	b	2412	Ant2	2389.092	-44.48	2.00	52.77	Peak	74	Pass
NVNT	b	2412	Ant2	2389.911	-55.72	2.00	41.53	Average	54	Pass
NVNT	b	2412	Ant2	2390	-46.24	2.00	51.01	Peak	74	Pass
NVNT	b	2412	Ant2	2390	-55.62	2.00	41.63	Average	54	Pass
NVNT	b	2462	Ant1	2483.5	-46.41	2.00	50.84	Peak	74	Pass
NVNT	b	2462	Ant1	2483.5	-55.03	2.00	42.22	Average	54	Pass
NVNT	b	2462	Ant1	2485.266	-44.05	2.00	53.20	Peak	74	Pass
NVNT	b	2462	Ant1	2483.517	-55.03	2.00	42.22	Average	54	Pass
NVNT	b	2462	Ant1	2500	-49.44	2.00	47.81	Peak	74	Pass
NVNT	b	2462	Ant1	2500	-58.5	2.00	38.75	Average	54	Pass
NVNT	b	2462	Ant2	2483.5	-44.48	2.00	52.77	Peak	74	Pass
NVNT	b	2462	Ant2	2483.5	-54.21	2.00	43.04	Average	54	Pass
NVNT	b	2462	Ant2	2484.577	-43.91	2.00	53.34	Peak	74	Pass
NVNT	b	2462	Ant2	2483.517	-54.21	2.00	43.04	Average	54	Pass
NVNT	b	2462	Ant2	2500	-46.62	2.00	50.63	Peak	74	Pass
NVNT	b	2462	Ant2	2500	-57.7	2.00	39.55	Average	54	Pass
NVNT	g	2412	Ant1	2310	-49.58	2.00	47.67	Peak	74	Pass
NVNT	g	2412	Ant1	2310	-60.1	2.00	37.15	Average	54	Pass
NVNT	g	2412	Ant1	2389.794	-41.97	2.00	55.28	Peak	74	Pass
NVNT	g	2412	Ant1	2389.911	-54.95	2.00	42.30	Average	54	Pass
NVNT	g	2412	Ant1	2390	-41.95	2.00	55.30	Peak	74	Pass
NVNT	g	2412	Ant1	2390	-54.83	2.00	42.42	Average	54	Pass
NVNT	g	2412	Ant2	2310	-49.19	2.00	48.06	Peak	74	Pass
NVNT	g	2412	Ant2	2310	-60.64	2.00	36.61	Average	54	Pass
NVNT	g	2412	Ant2	2386.518	-41.12	2.00	56.13	Peak	74	Pass
NVNT	g	2412	Ant2	2389.911	-53.63	2.00	43.62	Average	54	Pass
NVNT	g	2412	Ant2	2390	-41.3	2.00	55.95	Peak	74	Pass
NVNT	g	2412	Ant2	2390	-53.52	2.00	43.73	Average	54	Pass
NVNT	g	2462	Ant1	2483.5	-43.68	2.00	53.57	Peak	74	Pass
NVNT	g	2462	Ant1	2483.5	-55.89	2.00	41.36	Average	54	Pass
NVNT	g	2462	Ant1	2484.259	-41.41	2.00	55.84	Peak	74	Pass
NVNT	g	2462	Ant1	2483.517	-55.89	2.00	41.36	Average	54	Pass
NVNT	g	2462	Ant1	2500	-48.23	2.00	49.02	Peak	74	Pass
NVNT	g	2462	Ant1	2500	-59.25	2.00	38.00	Average	54	Pass
NVNT	g	2462	Ant2	2483.5	-42.91	2.00	54.34	Peak	74	Pass

NVNT	g	2462	Ant2	2483.5	-53.81	2.00	43.44	Average	54	Pass
NVNT	g	2462	Ant2	2484.524	-39.59	2.00	57.66	Peak	74	Pass
NVNT	g	2462	Ant2	2483.517	-53.81	2.00	43.44	Average	54	Pass
NVNT	g	2462	Ant2	2500	-47.3	2.00	49.95	Peak	74	Pass
NVNT	g	2462	Ant2	2500	-56.82	2.00	40.43	Average	54	Pass
NVNT	n(HT20)	2412	Ant1	2310	-50.19	2.00	47.06	Peak	74	Pass
NVNT	n(HT20)	2412	Ant1	2310	-61.13	2.00	36.12	Average	54	Pass
NVNT	n(HT20)	2412	Ant1	2389.911	-37.7	2.00	59.55	Peak	74	Pass
NVNT	n(HT20)	2412	Ant1	2389.911	-56.03	2.00	41.22	Average	54	Pass
NVNT	n(HT20)	2412	Ant1	2390	-37.57	2.00	59.68	Peak	74	Pass
NVNT	n(HT20)	2412	Ant1	2390	-55.93	2.00	41.32	Average	54	Pass
NVNT	n(HT20)	2412	Ant2	2310	-51.58	2.00	45.67	Peak	74	Pass
NVNT	n(HT20)	2412	Ant2	2310	-61.76	2.00	35.49	Average	54	Pass
NVNT	n(HT20)	2412	Ant2	2389.911	-33.06	2.00	64.19	Peak	74	Pass
NVNT	n(HT20)	2412	Ant2	2389.911	-52.78	2.00	44.47	Average	54	Pass
NVNT	n(HT20)	2412	Ant2	2390	-40.51	2.00	56.74	Peak	74	Pass
NVNT	n(HT20)	2412	Ant2	2390	-52.59	2.00	44.66	Average	54	Pass
NVNT	n(HT20)	2412	Sum	2310	-47.82	5.01	52.42	Peak	74	Pass
NVNT	n(HT20)	2412	Sum	2310	-58.42	5.01	41.82	Average	54	Pass
NVNT	n(HT20)	2412	Sum	2389.911	-31.78	5.01	68.46	Peak	74	Pass
NVNT	n(HT20)	2412	Sum	2389.911	-51.1	5.01	49.14	Average	54	Pass
NVNT	n(HT20)	2412	Sum	2390	-35.79	5.01	64.45	Peak	74	Pass
NVNT	n(HT20)	2412	Sum	2390	-50.94	5.01	49.30	Average	54	Pass
NVNT	n(HT20)	2462	Ant1	2483.5	-45.7	5.01	48.66	Peak	74	Pass
NVNT	n(HT20)	2462	Ant1	2483.5	-58.51	2.00	38.74	Average	54	Pass
NVNT	n(HT20)	2462	Ant1	2485.478	-40.56	2.00	56.69	Peak	74	Pass
NVNT	n(HT20)	2462	Ant1	2483.517	-58.51	2.00	38.74	Average	54	Pass
NVNT	n(HT20)	2462	Ant1	2500	-50.62	2.00	46.63	Peak	74	Pass
NVNT	n(HT20)	2462	Ant1	2500	-60.65	2.00	36.60	Average	54	Pass
NVNT	n(HT20)	2462	Ant2	2483.5	-42.86	2.00	54.39	Peak	74	Pass
NVNT	n(HT20)	2462	Ant2	2483.5	-54.63	2.00	42.62	Average	54	Pass
NVNT	n(HT20)	2462	Ant2	2483.676	-37.26	2.00	59.99	Peak	74	Pass
NVNT	n(HT20)	2462	Ant2	2483.517	-54.63	2.00	42.62	Average	54	Pass
NVNT	n(HT20)	2462	Ant2	2500	-47.86	2.00	49.39	Peak	74	Pass
NVNT	n(HT20)	2462	Ant2	2500	-58.39	2.00	38.86	Average	54	Pass
NVNT	n(HT20)	2462	Sum	2483.5	-41.04	5.01	59.20	Peak	74	Pass
NVNT	n(HT20)	2462	Sum	2483.5	-53.14	5.01	47.10	Average	54	Pass
NVNT	n(HT20)	2462	Sum	2483.676	-36.89	5.01	63.35	Peak	74	Pass
NVNT	n(HT20)	2462	Sum	2483.517	-53.14	5.01	47.10	Average	54	Pass
NVNT	n(HT20)	2462	Sum	2500	-46.01	5.01	54.23	Peak	74	Pass
NVNT	n(HT20)	2462	Sum	2500	-56.36	5.01	43.88	Average	54	Pass
NVNT	n(HT40)	2422	Ant1	2310	-50.18	2.00	47.07	Peak	74	Pass
NVNT	n(HT40)	2422	Ant1	2310	-61.61	2.00	35.64	Average	54	Pass
NVNT	n(HT40)	2422	Ant1	2389.094	-40.85	2.00	56.40	Peak	74	Pass
NVNT	n(HT40)	2422	Ant1	2389.946	-57.67	2.00	39.58	Average	54	Pass
NVNT	n(HT40)	2422	Ant1	2390	-47.72	2.00	49.53	Peak	74	Pass
NVNT	n(HT40)	2422	Ant1	2390	-57.62	2.00	39.63	Average	54	Pass

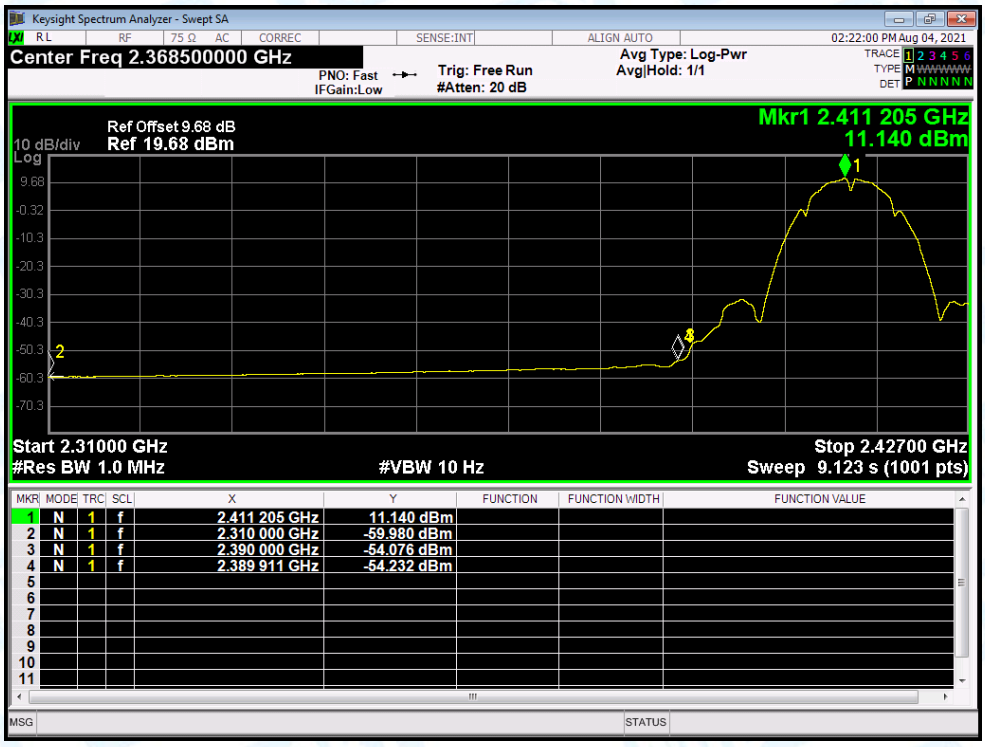
NVNT	n(HT40)	2422	Ant2	2310	-51.12	2.00	46.13	Peak	74	Pass
NVNT	n(HT40)	2422	Ant2	2310	-62.51	2.00	34.74	Average	54	Pass
NVNT	n(HT40)	2422	Ant2	2388.952	-33.57	2.00	63.68	Peak	74	Pass
NVNT	n(HT40)	2422	Ant2	2389.946	-52.87	2.00	44.38	Average	54	Pass
NVNT	n(HT40)	2422	Ant2	2390	-35.43	2.00	61.82	Peak	74	Pass
NVNT	n(HT40)	2422	Ant2	2390	-52.82	2.00	44.43	Average	54	Pass
NVNT	n(HT40)	2422	Sum	2310	-47.61	5.01	52.63	Peak	74	Pass
NVNT	n(HT40)	2422	Sum	2310	-59.03	5.01	41.21	Average	54	Pass
NVNT	n(HT40)	2422	Sum	2388.952	-32.92	5.01	67.32	Peak	74	Pass
NVNT	n(HT40)	2422	Sum	2389.946	-51.63	5.01	48.61	Average	54	Pass
NVNT	n(HT40)	2422	Sum	2390	-35.18	5.01	65.06	Peak	74	Pass
NVNT	n(HT40)	2422	Sum	2390	-51.58	5.01	48.66	Average	54	Pass
NVNT	n(HT40)	2452	Ant1	2483.5	-49.28	2.00	47.97	Peak	74	Pass
NVNT	n(HT40)	2452	Ant1	2483.5	-59.98	2.00	37.27	Average	54	Pass
NVNT	n(HT40)	2452	Ant1	2485.804	-46.94	2.00	50.31	Peak	74	Pass
NVNT	n(HT40)	2452	Ant1	2484.634	-59.97	2.00	37.28	Average	54	Pass
NVNT	n(HT40)	2452	Ant1	2500	-50.97	2.00	46.28	Peak	74	Pass
NVNT	n(HT40)	2452	Ant1	2500	-60.88	2.00	36.37	Average	54	Pass
NVNT	n(HT40)	2452	Ant2	2483.5	-45.76	2.00	51.49	Peak	74	Pass
NVNT	n(HT40)	2452	Ant2	2483.5	-57.19	2.00	40.06	Average	54	Pass
NVNT	n(HT40)	2452	Ant2	2485.726	-39.32	2.00	57.93	Peak	74	Pass
NVNT	n(HT40)	2452	Ant2	2483.542	-57.19	2.00	40.06	Average	54	Pass
NVNT	n(HT40)	2452	Ant2	2500	-51.37	2.00	45.88	Peak	74	Pass
NVNT	n(HT40)	2452	Ant2	2500	-60.25	2.00	37.00	Average	54	Pass
NVNT	n(HT40)	2452	Sum	2483.5	-44.16	5.01	56.08	Peak	74	Pass
NVNT	n(HT40)	2452	Sum	2483.5	-55.35	5.01	44.89	Average	54	Pass
NVNT	n(HT40)	2452	Sum	2485.726	-38.92	5.01	61.32	Peak	74	Pass
NVNT	n(HT40)	2452	Sum	2483.542	-55.35	5.01	44.89	Average	54	Pass
NVNT	n(HT40)	2452	Sum	2500	-48.16	5.01	52.08	Peak	74	Pass
NVNT	n(HT40)	2452	Sum	2500	-57.54	5.01	42.70	Average	54	Pass

Test Graphs

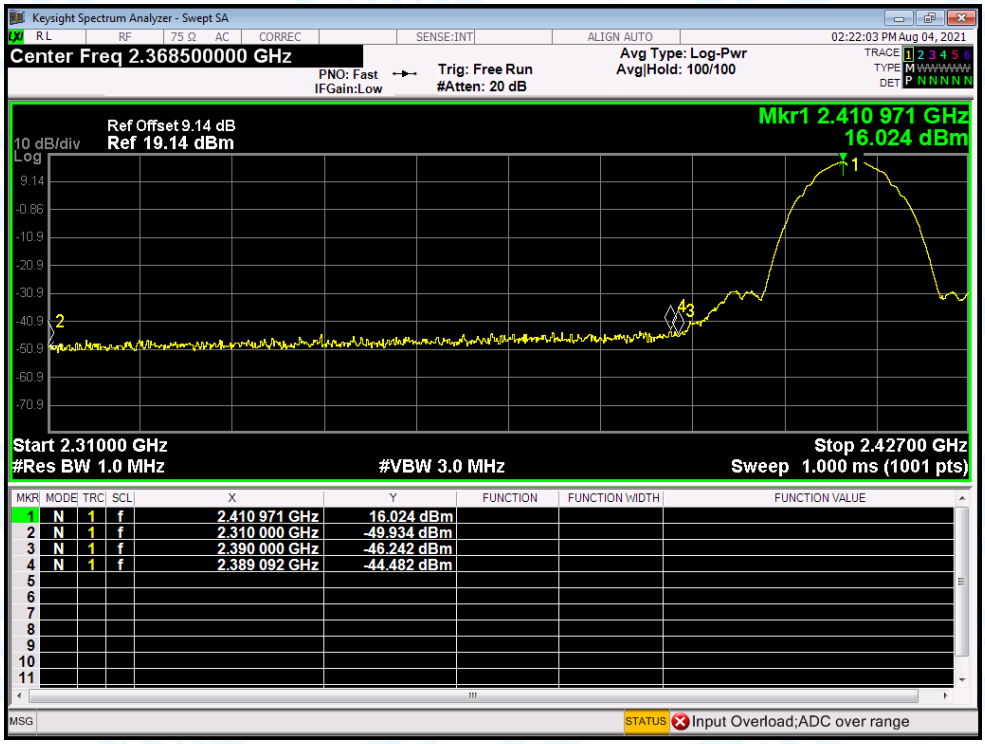
Restrict Band NVNT b 2412MHz Ant1 Peak



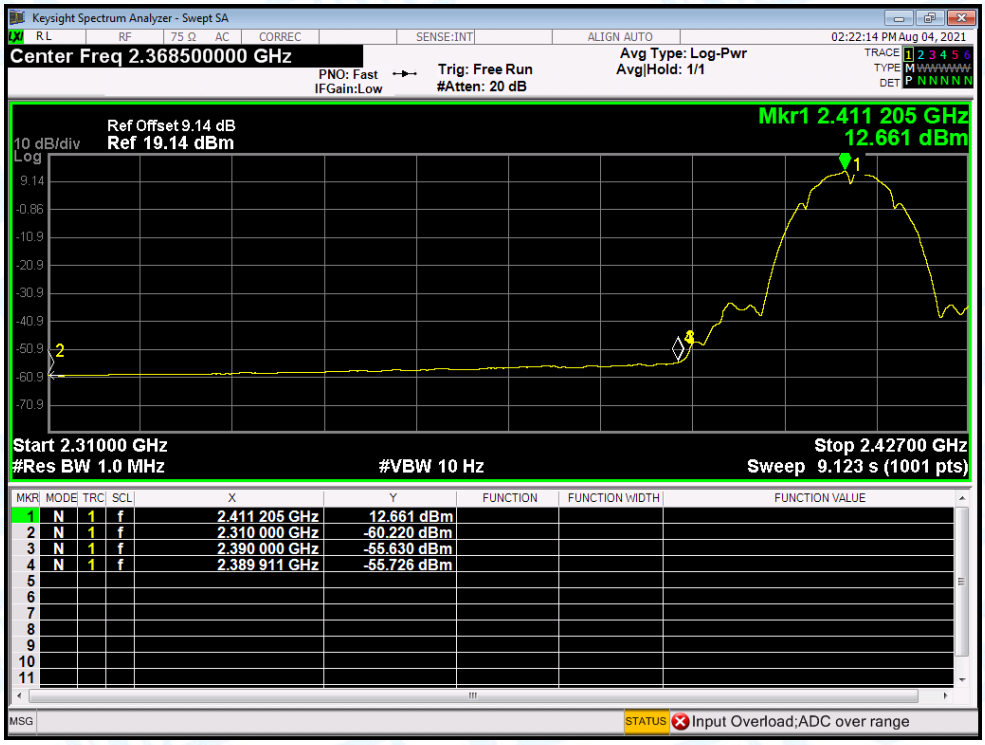
Restrict Band NVNT b 2412MHz Ant1 Average



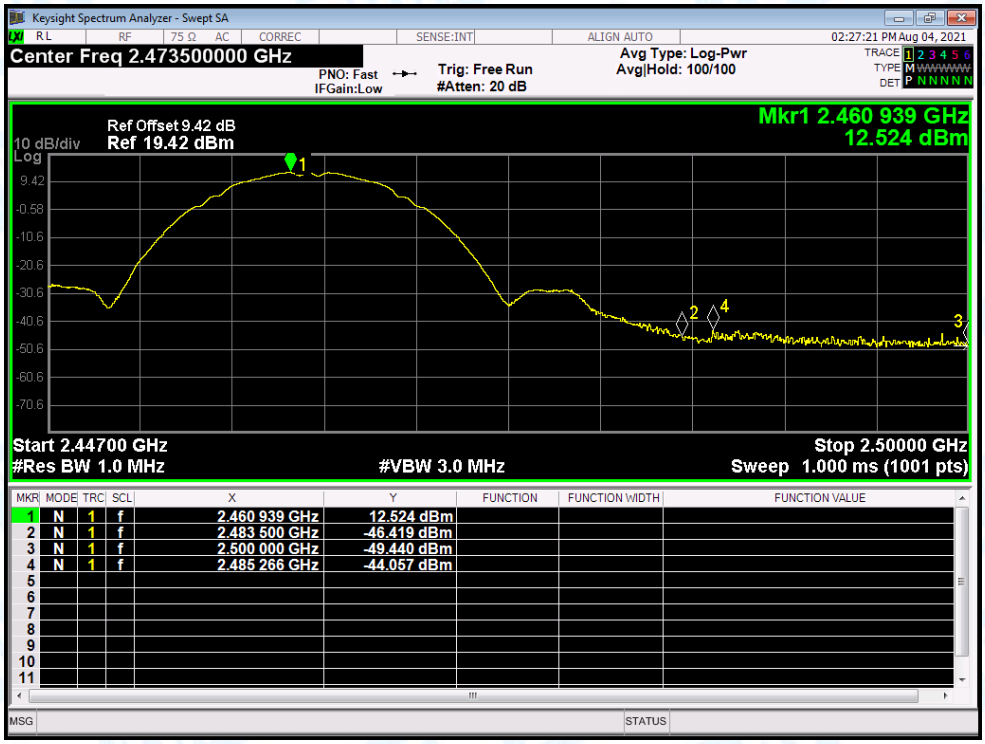
Restrict Band NVNT b 2412MHz Ant2 Peak



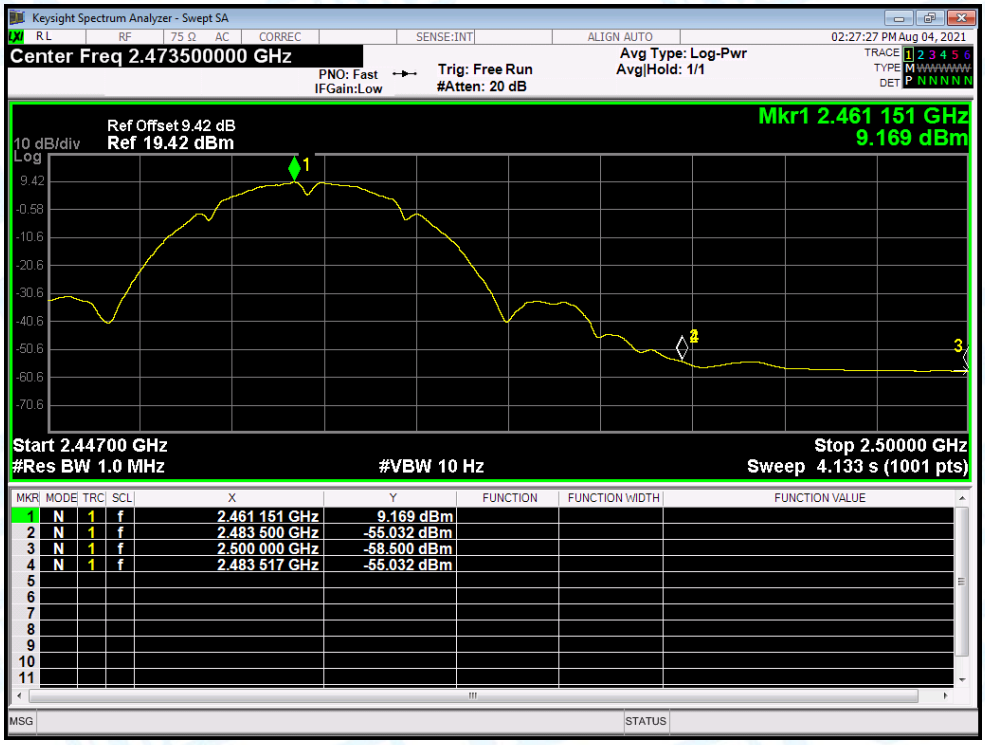
Restrict Band NVNT b 2412MHz Ant2 Average



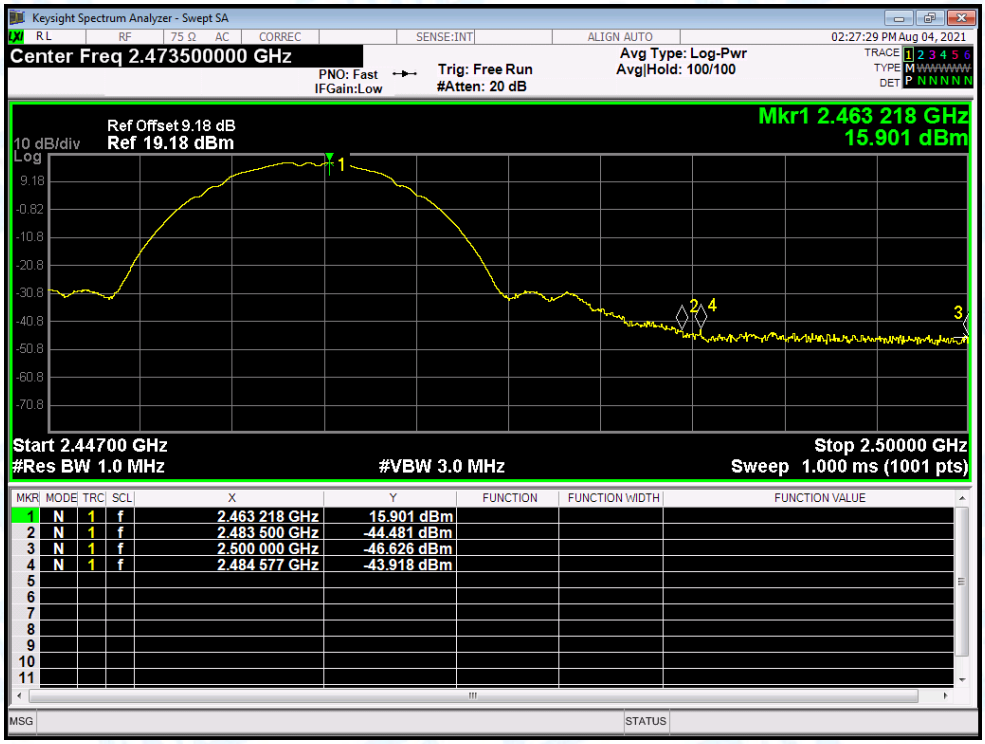
Restrict Band NVNT b 2462MHz Ant1 Peak



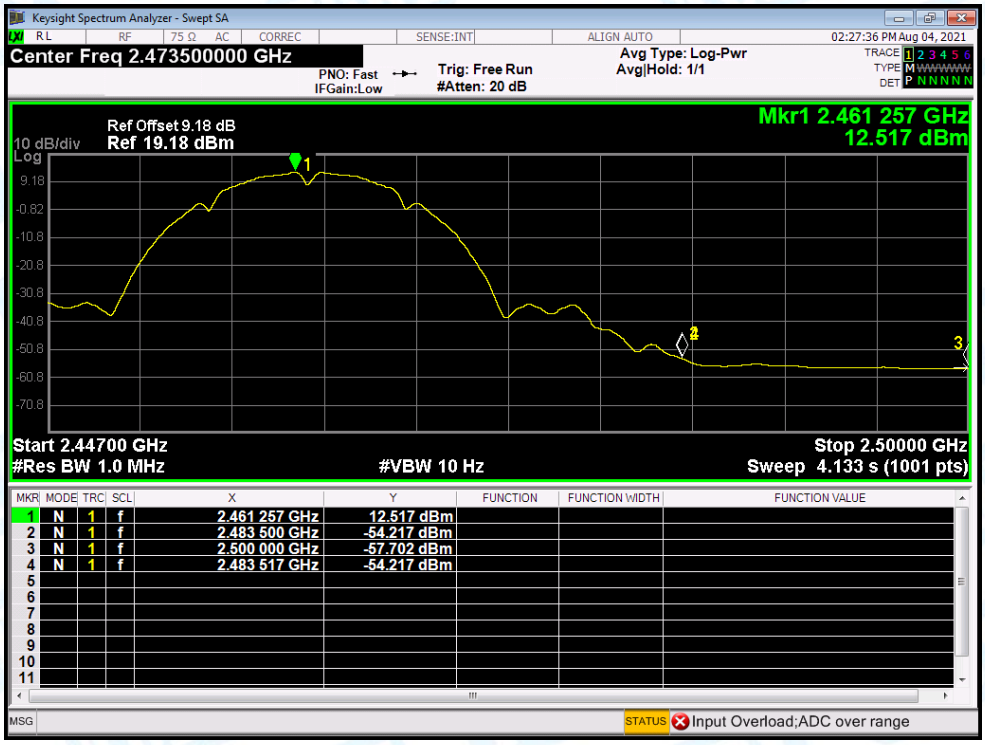
Restrict Band NVNT b 2462MHz Ant1 Average



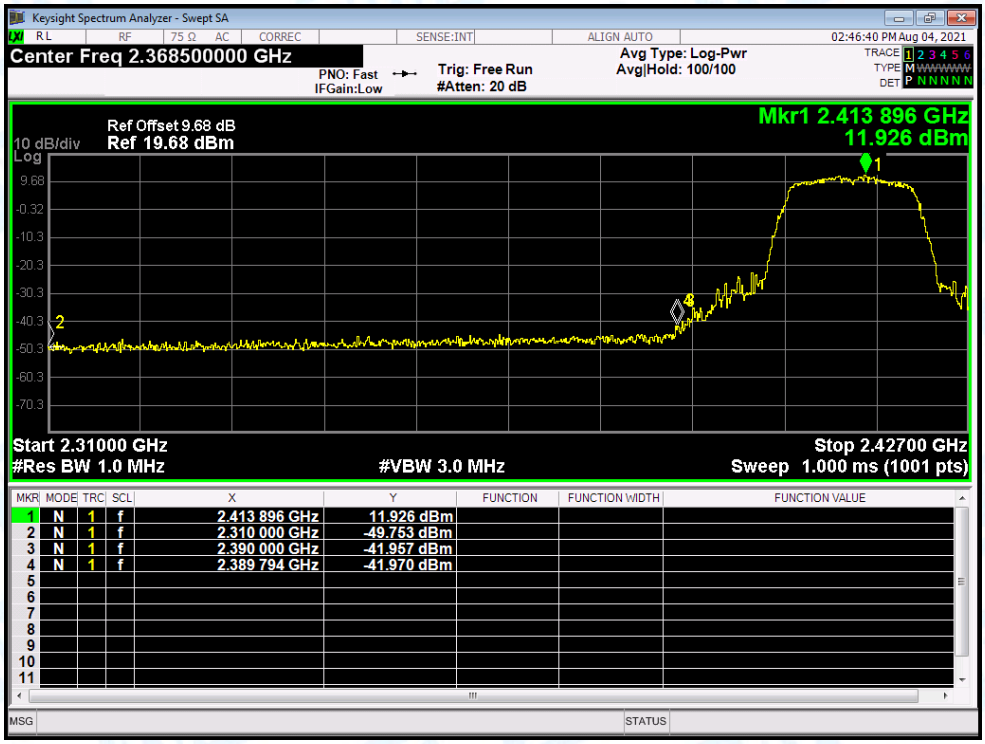
Restrict Band NVNT b 2462MHz Ant2 Peak



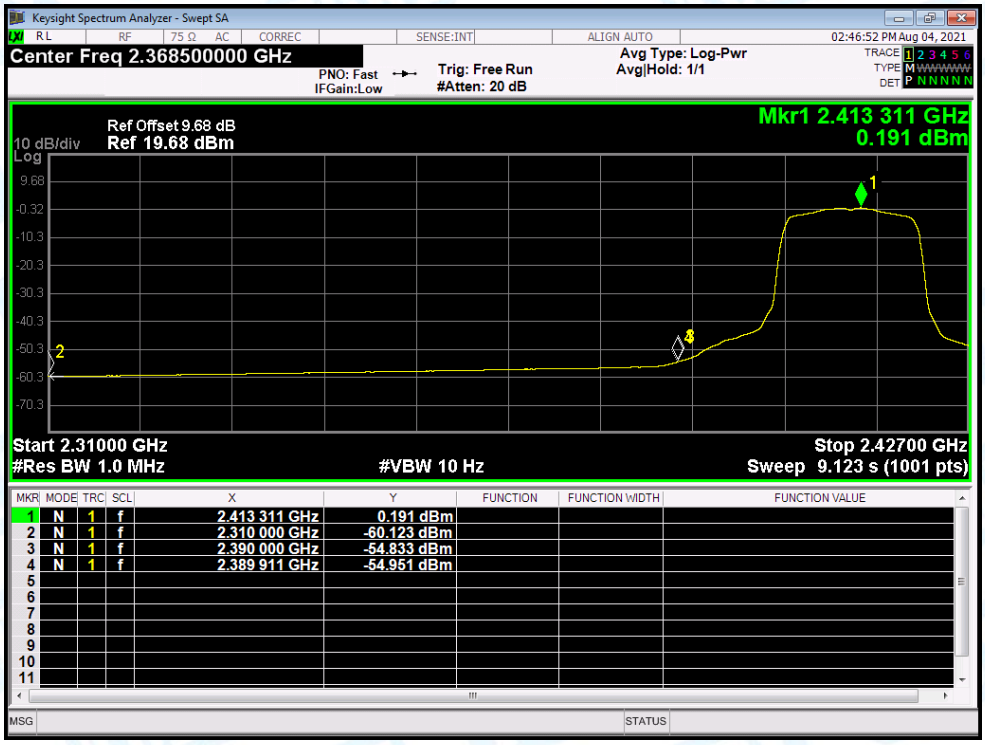
Restrict Band NVNT b 2462MHz Ant2 Average



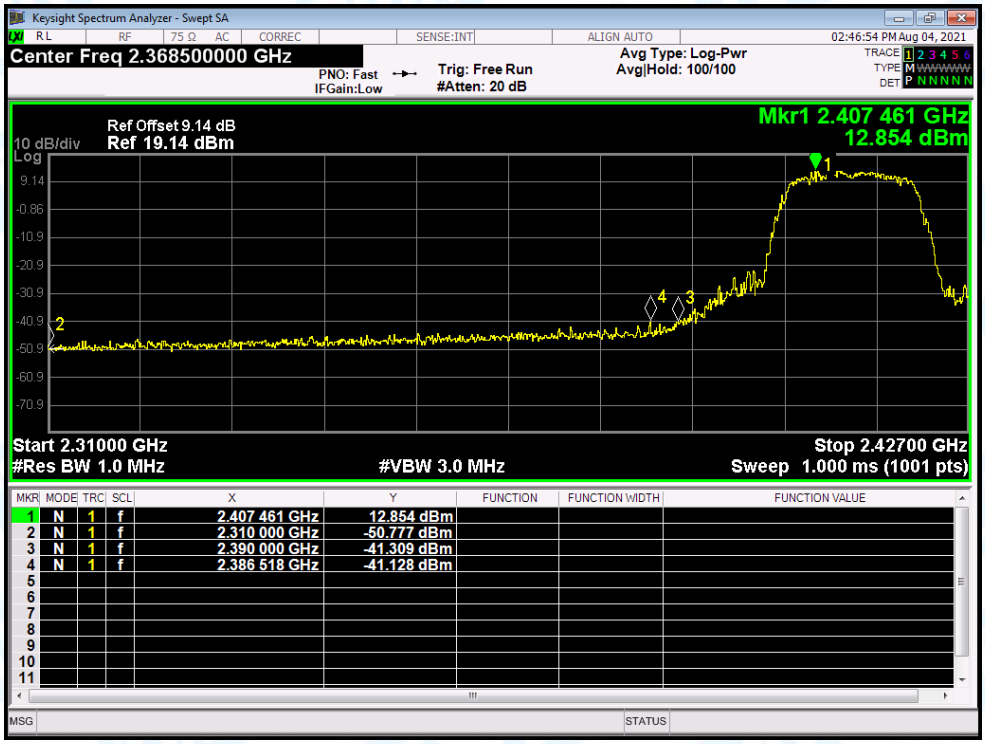
Restrict Band NVNT g 2412MHz Ant1 Peak



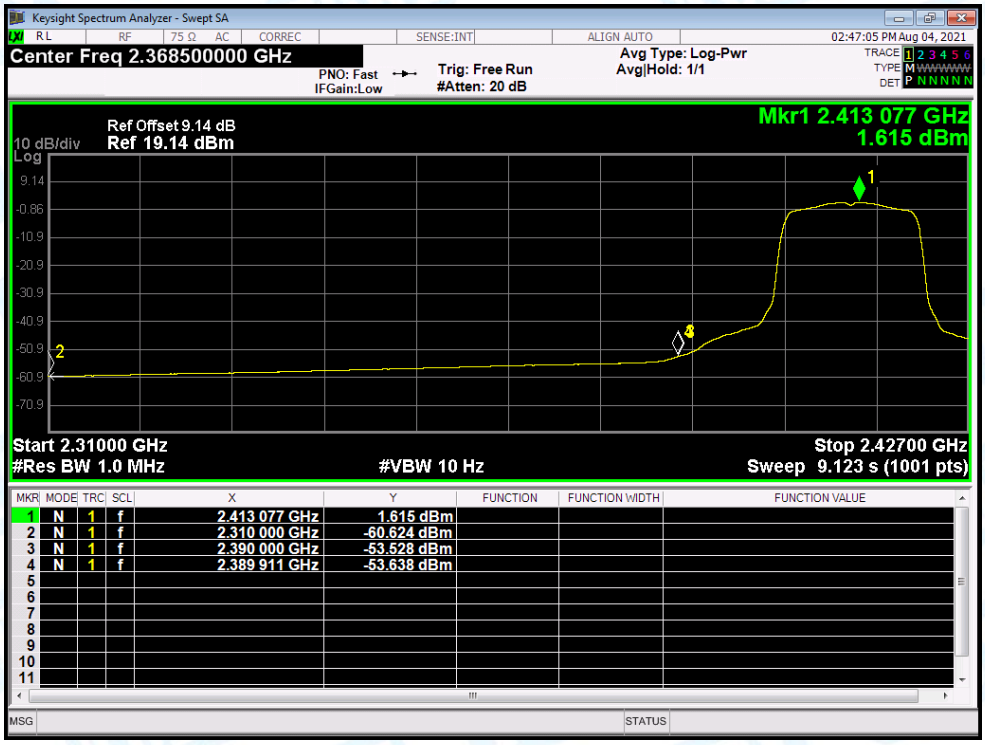
Restrict Band NVNT g 2412MHz Ant1 Average



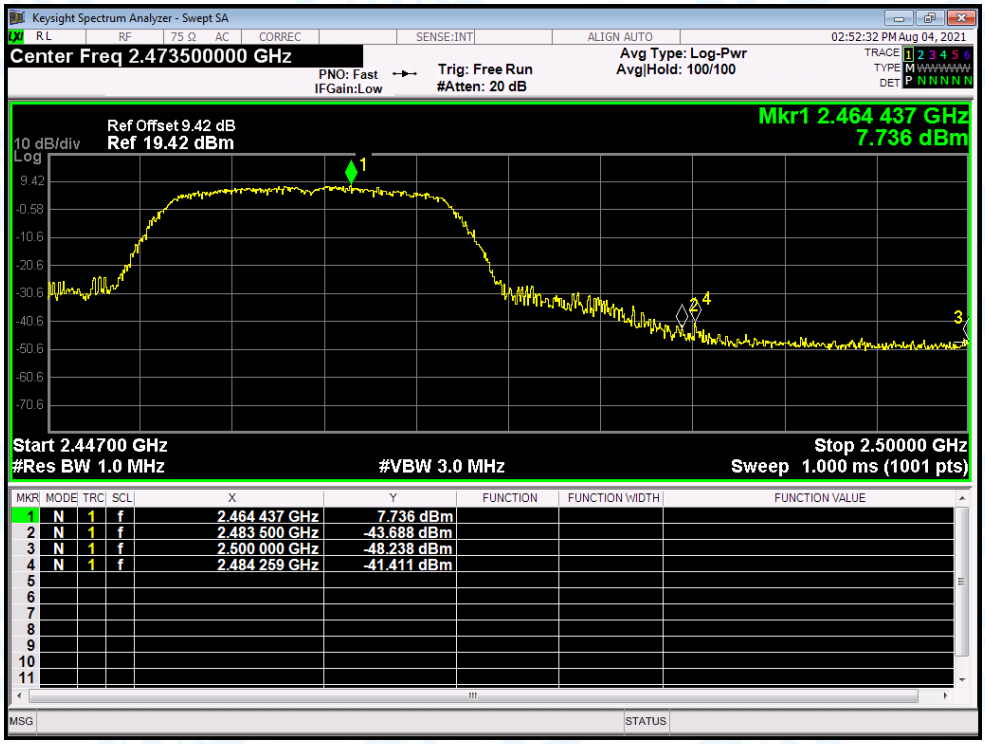
Restrict Band NVNT g 2412MHz Ant2 Peak



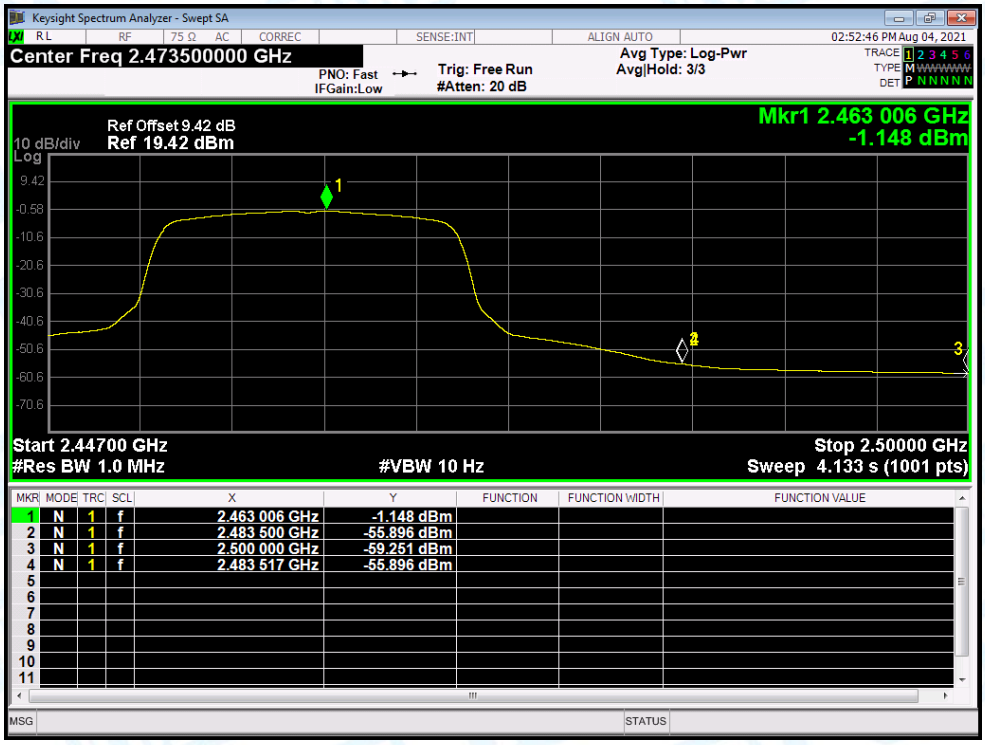
Restrict Band NVNT g 2412MHz Ant2 Average



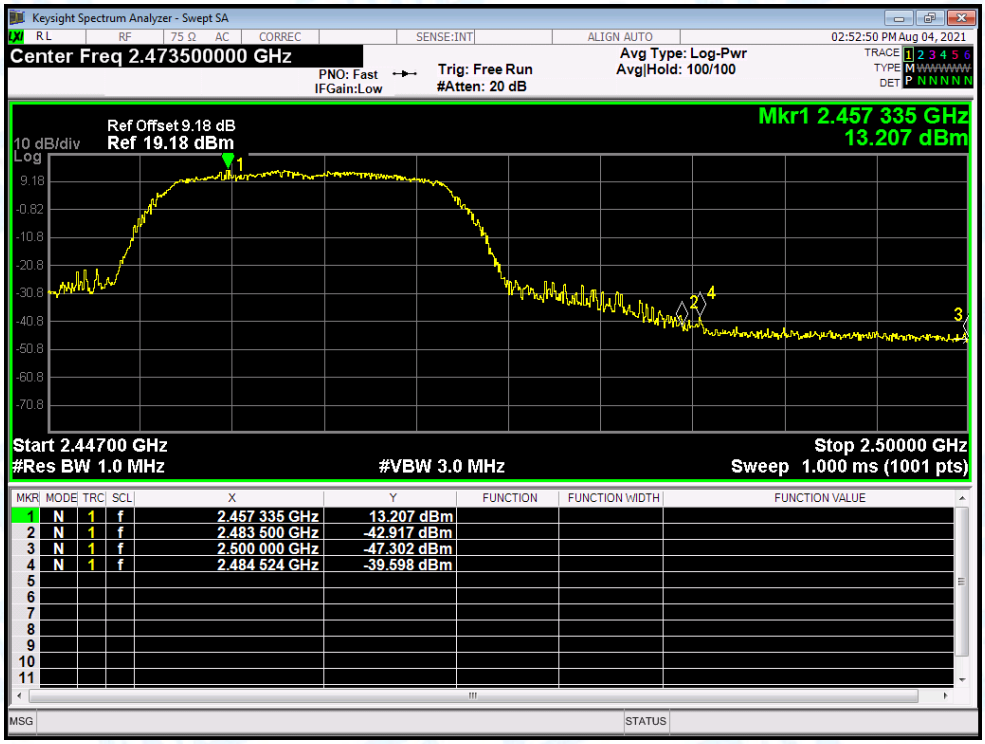
Restrict Band NVNT g 2462MHz Ant1 Peak



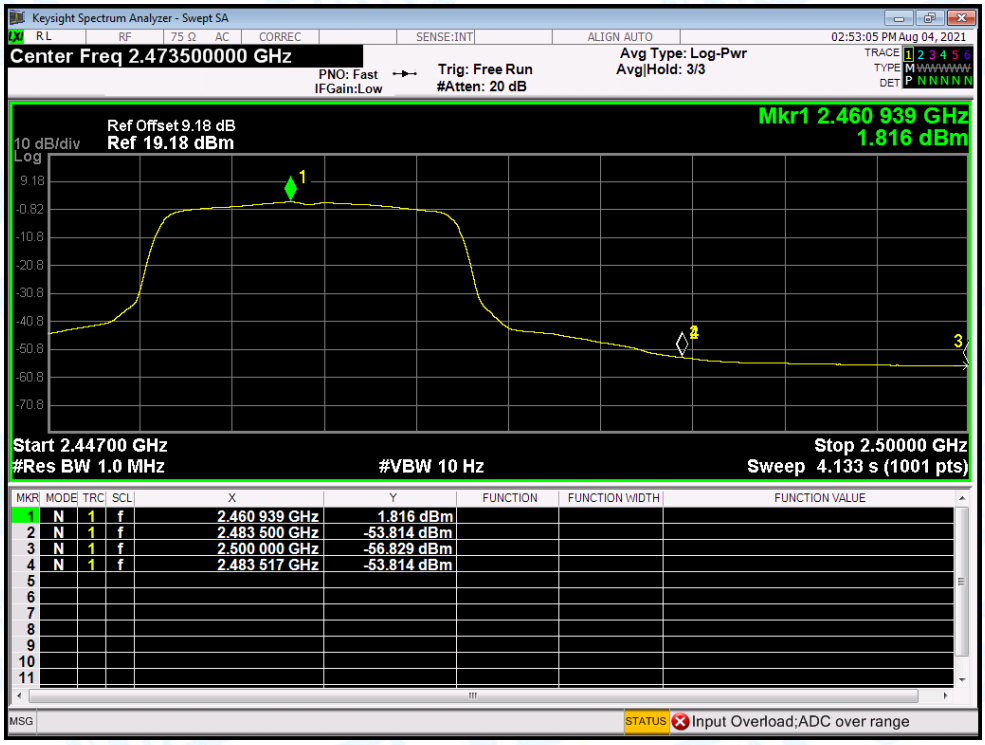
Restrict Band NVNT g 2462MHz Ant1 Average



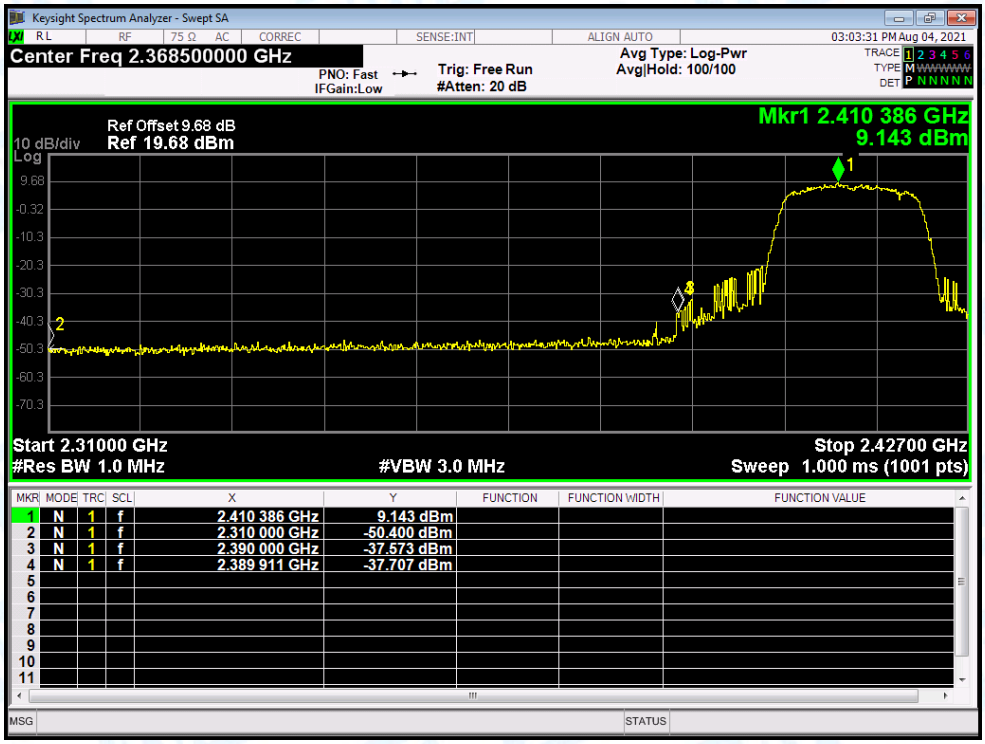
Restrict Band NVNT g 2462MHz Ant2 Peak



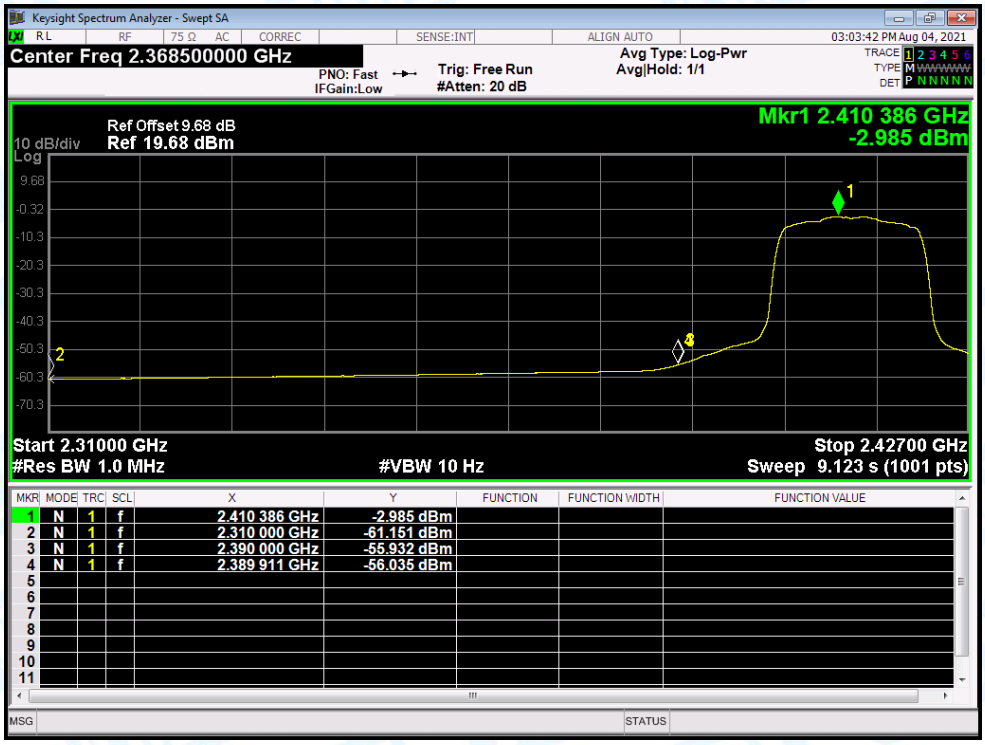
Restrict Band NVNT g 2462MHz Ant2 Average



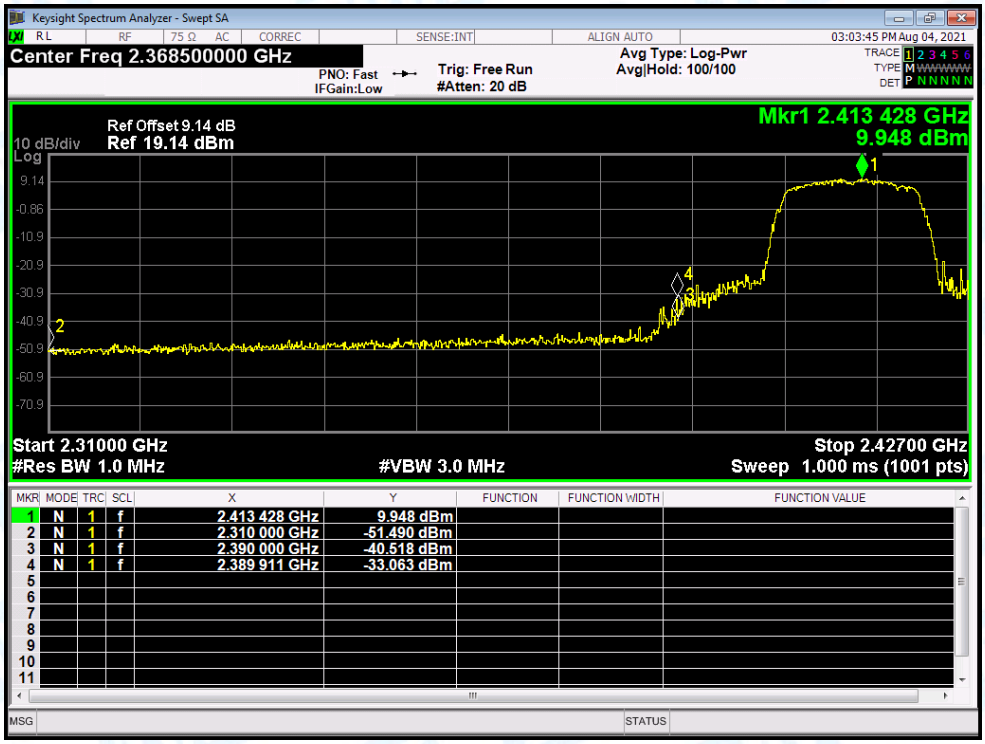
Restrict Band NVNT n(HT20) 2412MHz Ant1 Peak



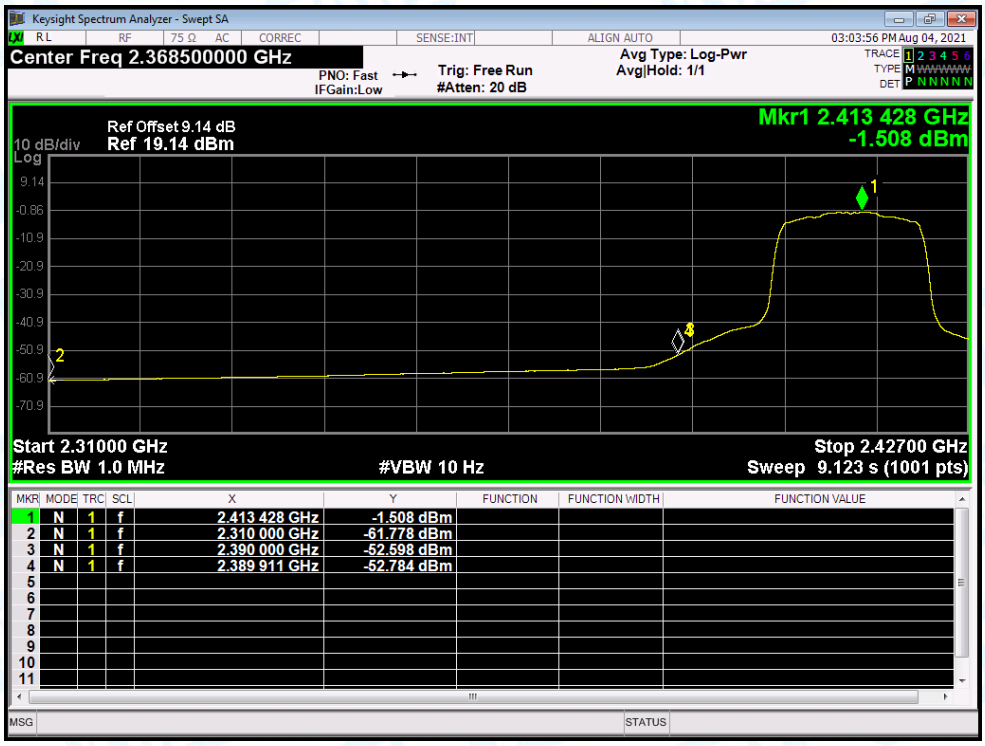
Restrict Band NVNT n(HT20) 2412MHz Ant1 Average



Restrict Band NVNT n(HT20) 2412MHz Ant2 Peak

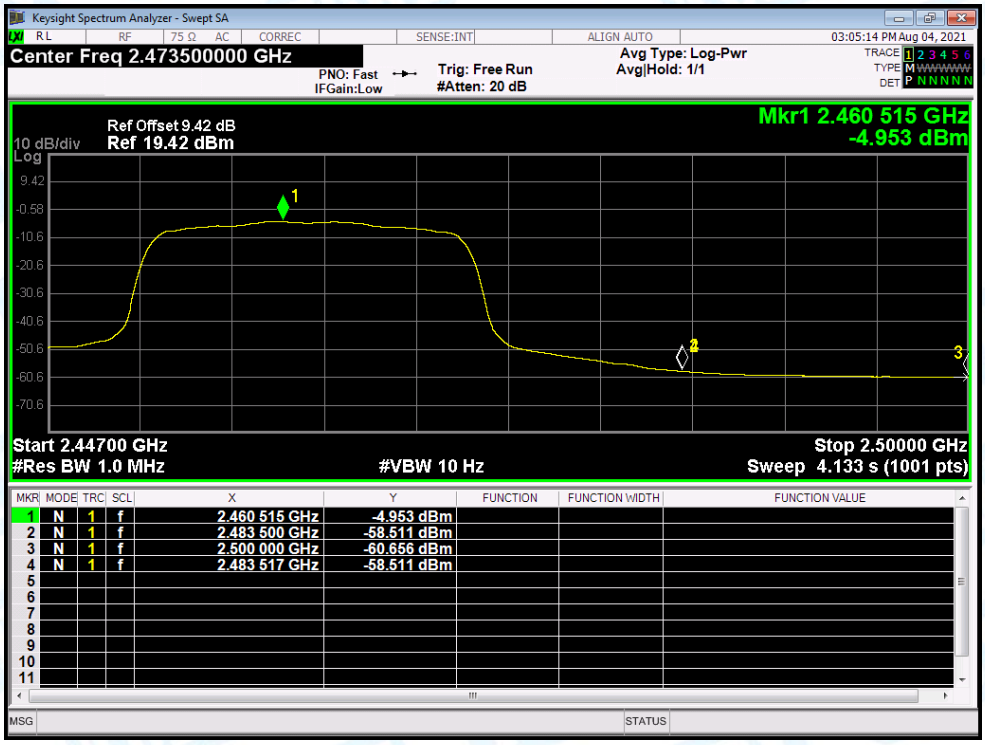


Restrict Band NVNT n(HT20) 2412MHz Ant2 Average



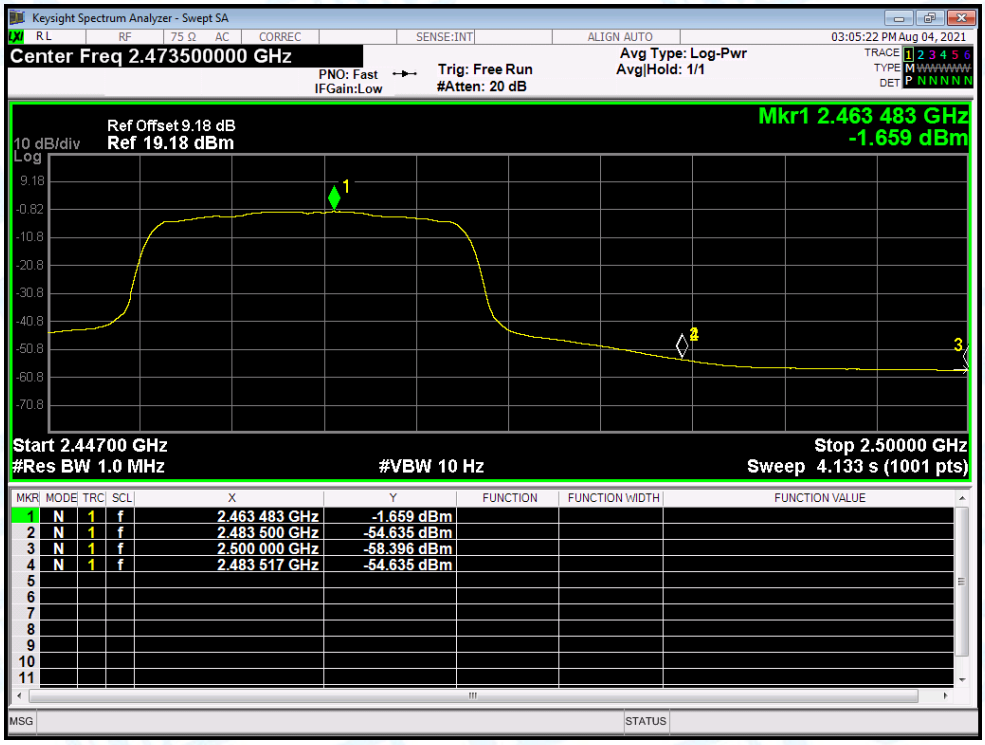
Restrict Band NVNT n(HT20) 2462MHz Ant1 Peak

Restrict Band NVNT n(HT20) 2462MHz Ant1 Average

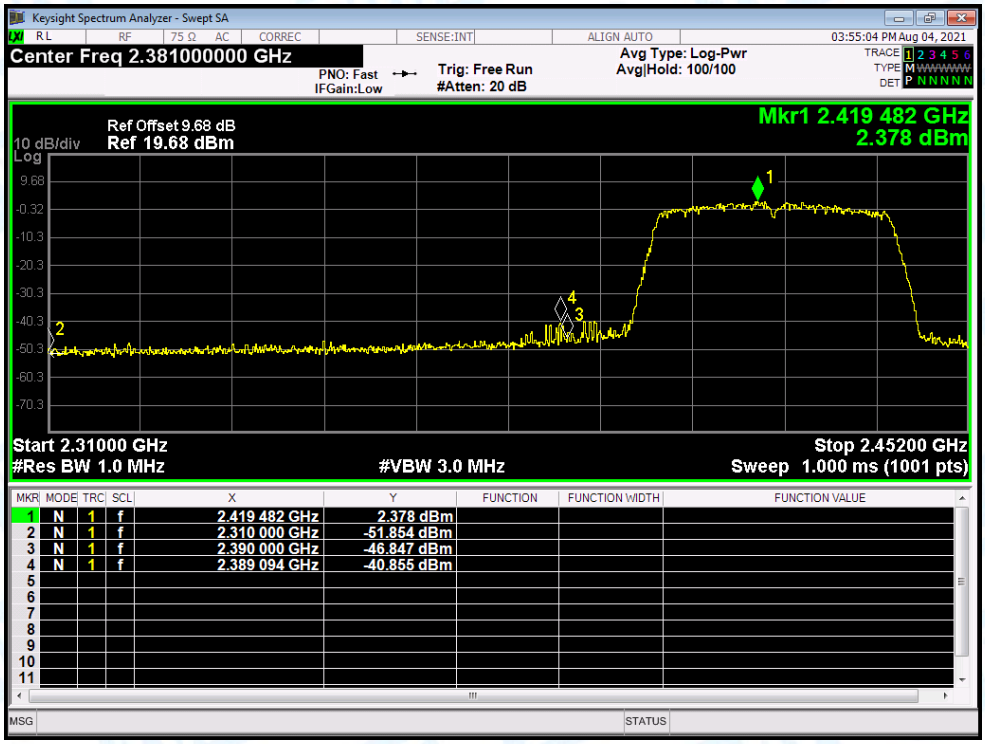


Restrict Band NVNT n(HT20) 2462MHz Ant2 Peak

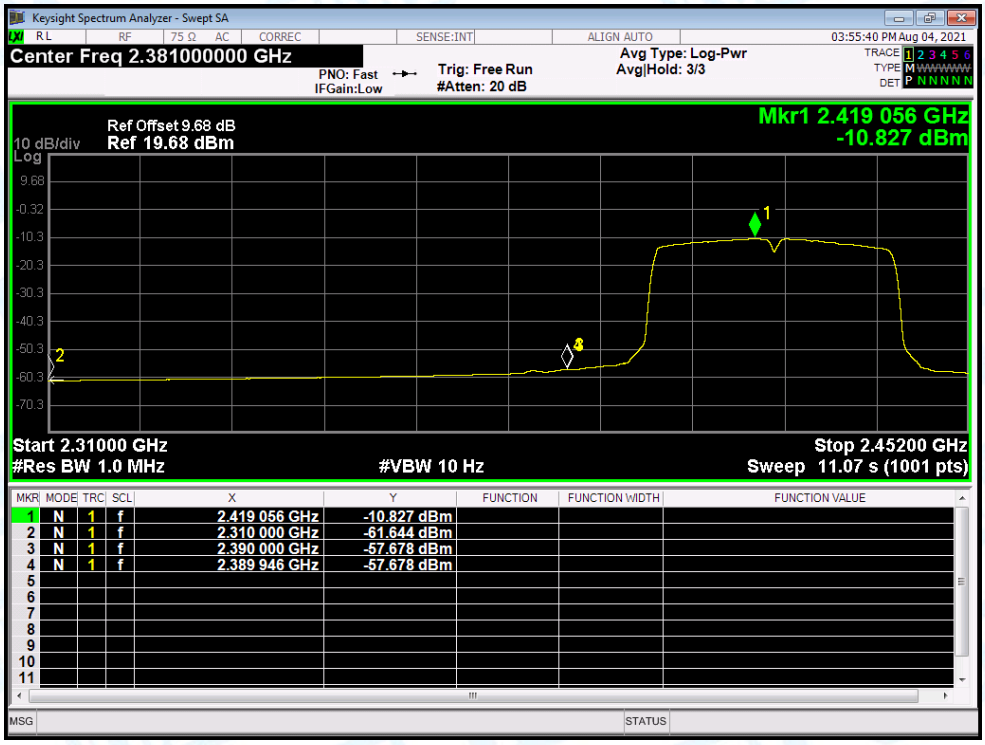
Restrict Band NVNT n(HT20) 2462MHz Ant2 Average



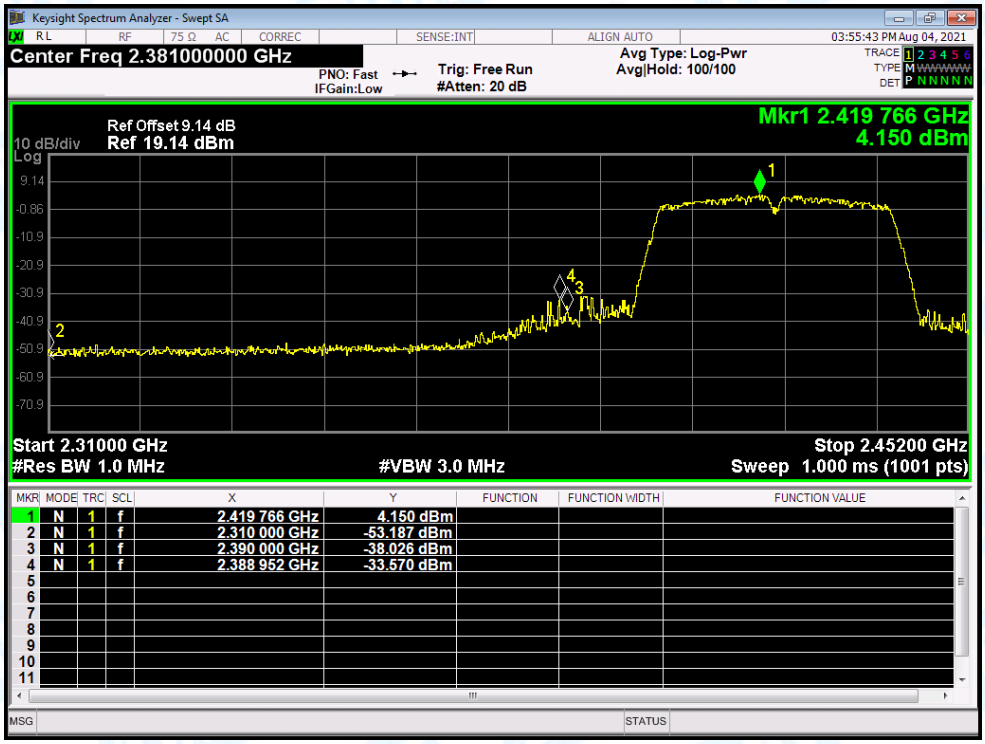
Restrict Band NVNT n(HT40) 2422MHz Ant1 Peak



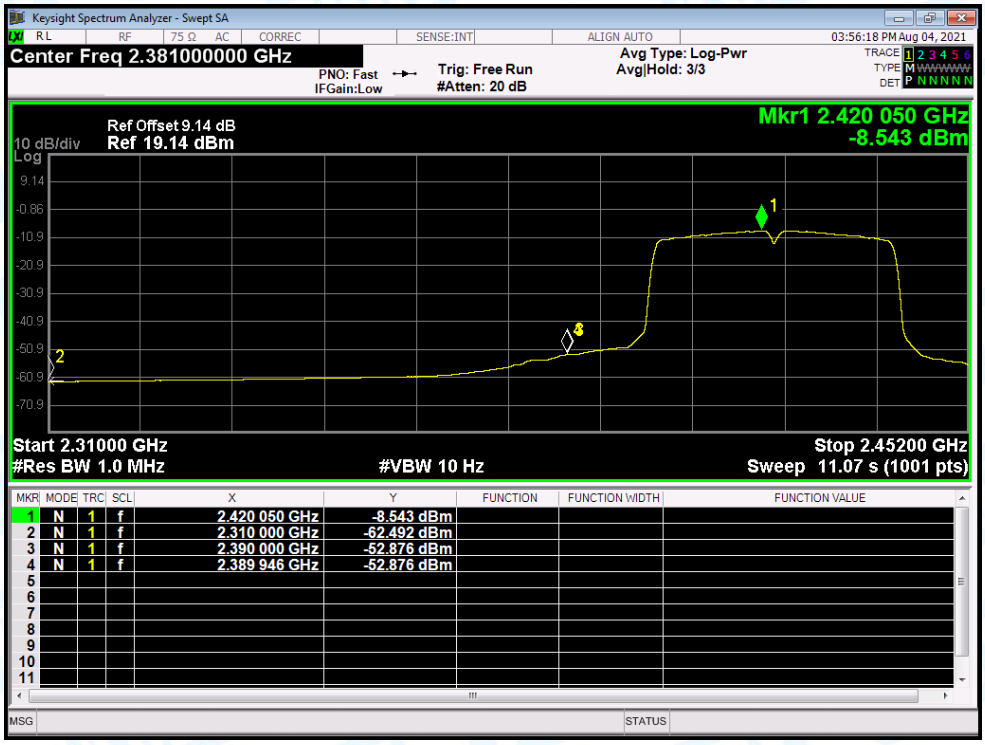
Restrict Band NVNT n(HT40) 2422MHz Ant1 Average



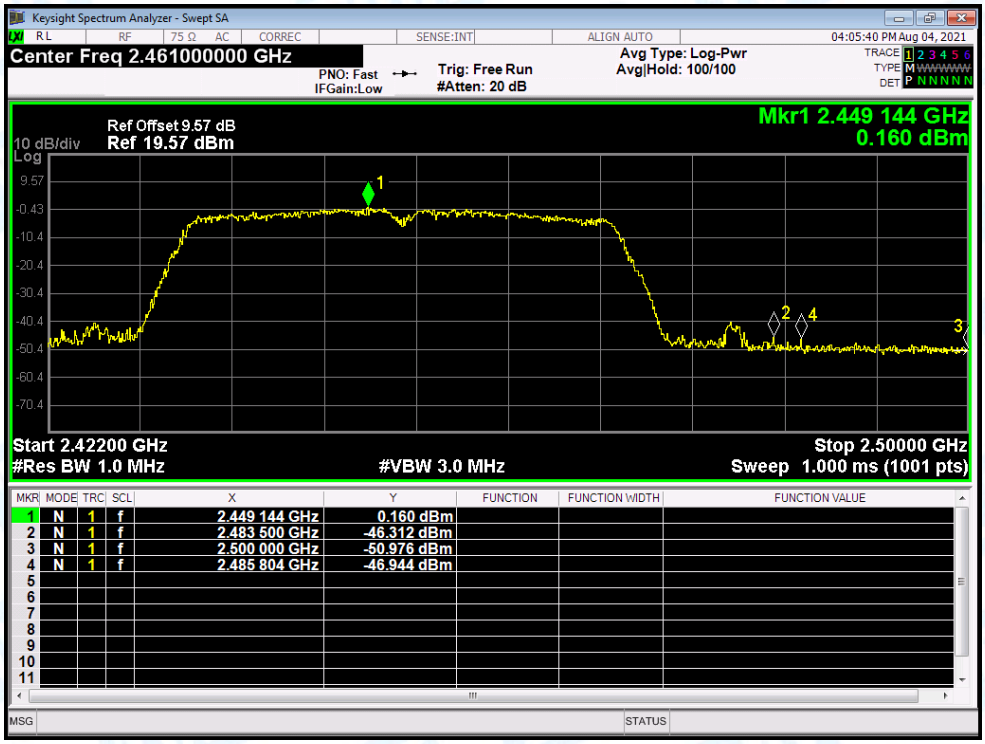
Restrict Band NVNT n(HT40) 2422MHz Ant2 Peak



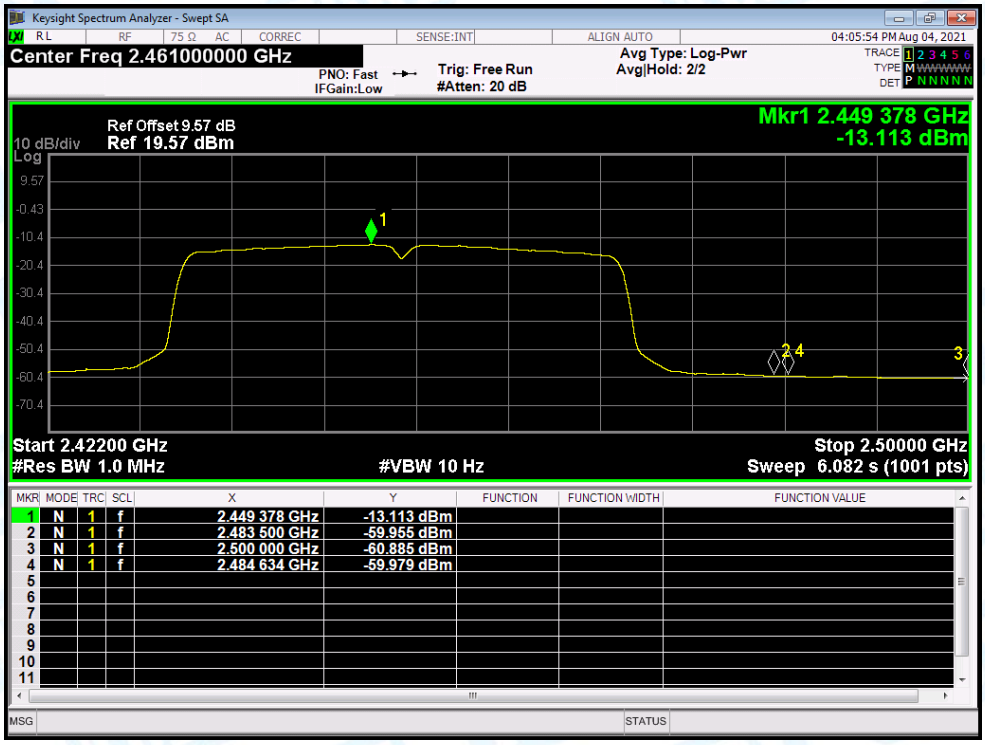
Restrict Band NVNT n(HT40) 2422MHz Ant2 Average



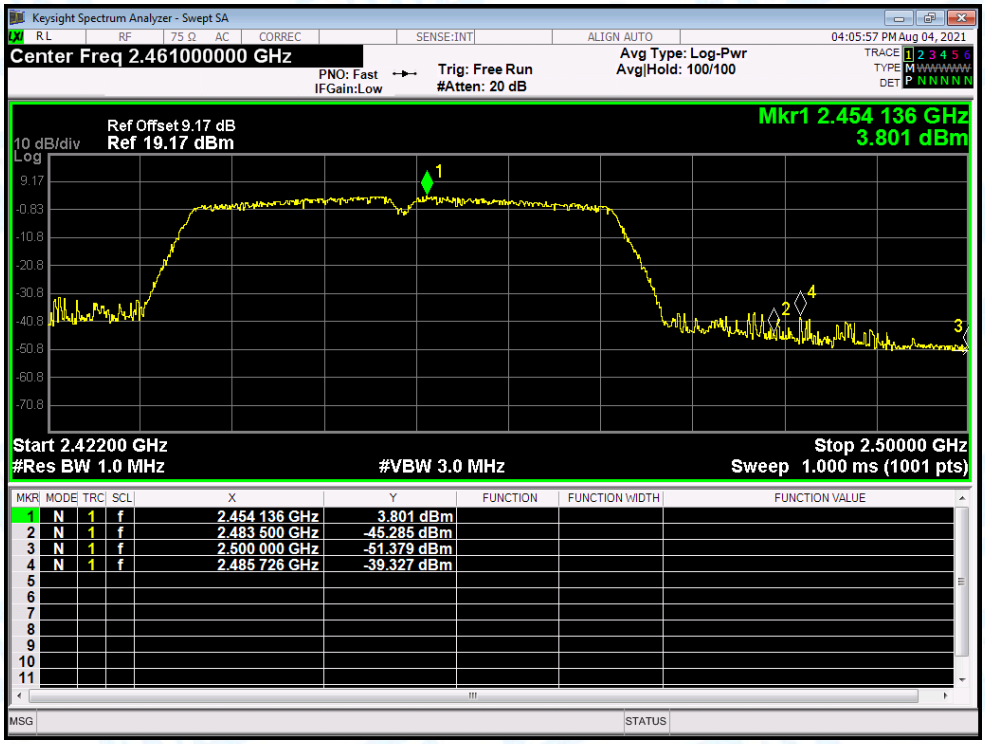
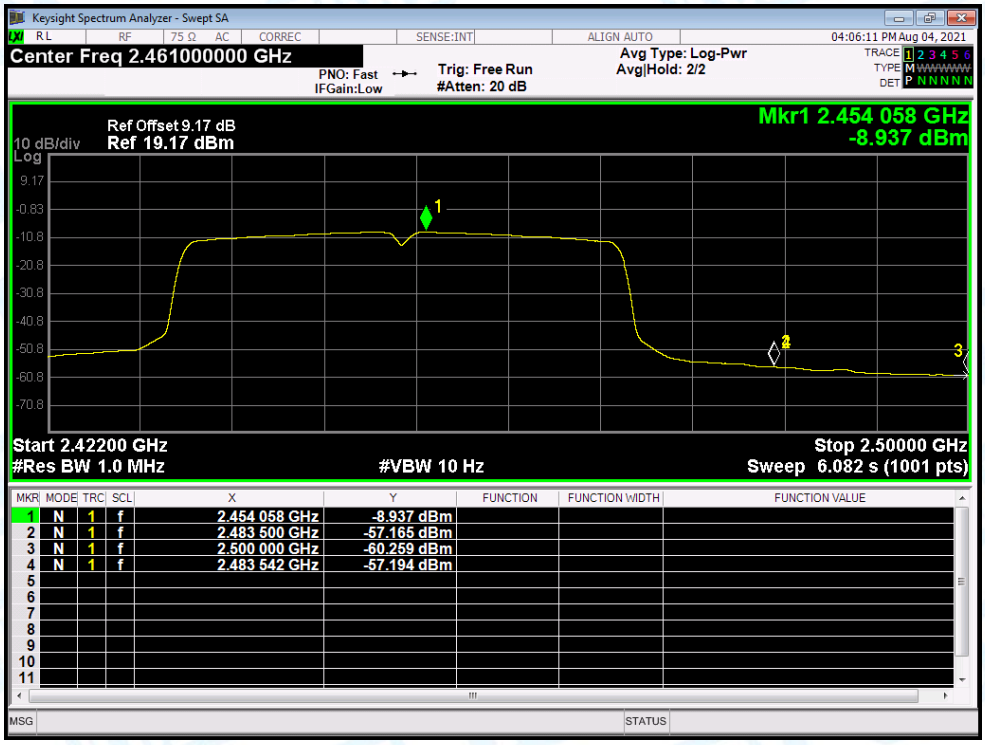
Restrict Band NVNT n(HT40) 2452MHz Ant1 Peak



Restrict Band NVNT n(HT40) 2452MHz Ant1 Average



Restrict Band NVNT n(HT40) 2452MHz Ant2 Peak



Restrict Band NVNT n(HT40) 2452MHz Ant2 Average