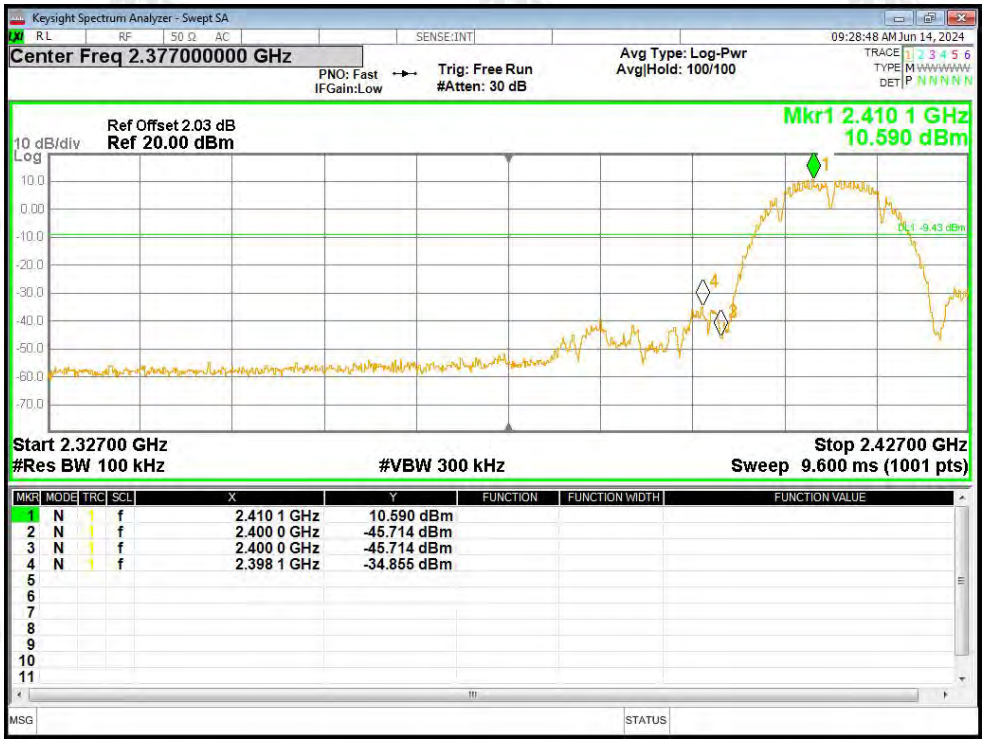
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-45.42	-20	Pass
NVNT	b	2462	Ant1	-47.99	-20	Pass
NVNT	g	2412	Ant1	-29.08	-20	Pass
NVNT	g	2462	Ant1	-41.19	-20	Pass
NVNT	n20	2412	Ant1	-30.1	-20	Pass
NVNT	n20	2462	Ant1	-35.8	-20	Pass
NVNT	n40	2422	Ant1	-24.98	-20	Pass
NVNT	n40	2452	Ant1	-23.93	-20	Pass
NVNT	ax20	2412	Ant1	-30.12	-20	Pass
NVNT	ax20	2462	Ant1	-38.53	-20	Pass
NVNT	ax40	2422	Ant1	-25.4	-20	Pass
NVNT	ax40	2452	Ant1	-23.39	-20	Pass

Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref

Band Edge NVNT b 2412MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.410 1 GHz	10.590 dBm			
2	N	1	f	2.400 0 GHz	-45.714 dBm			
3	N	1	f	2.400 0 GHz	-45.714 dBm			
4	N	1	f	2.398 1 GHz	-34.855 dBm			
5								
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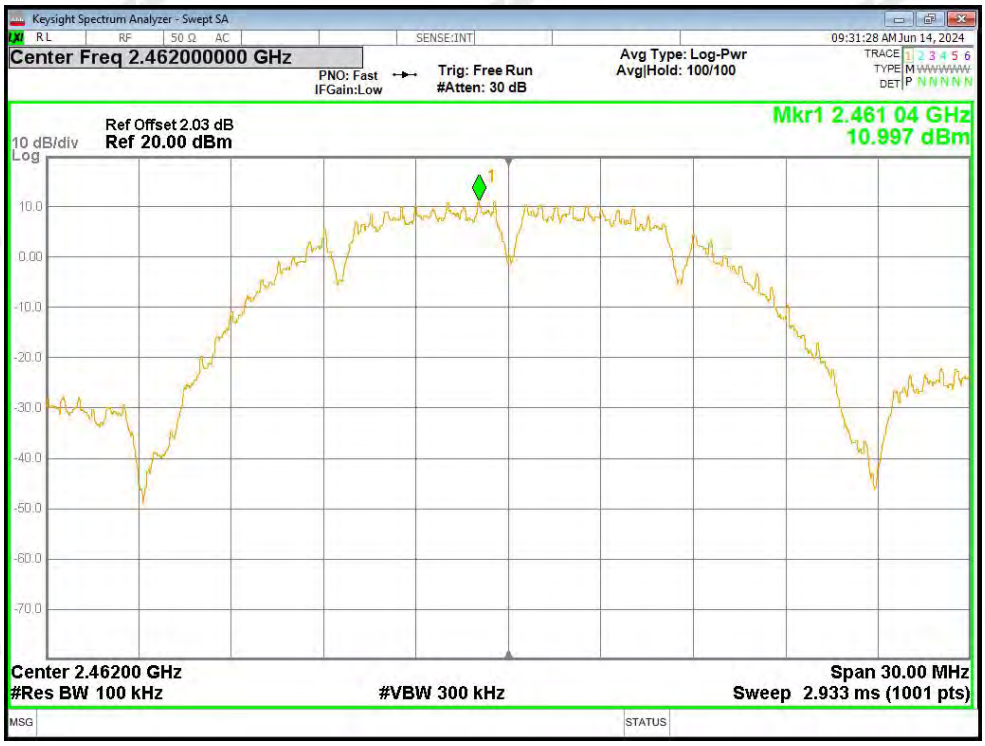
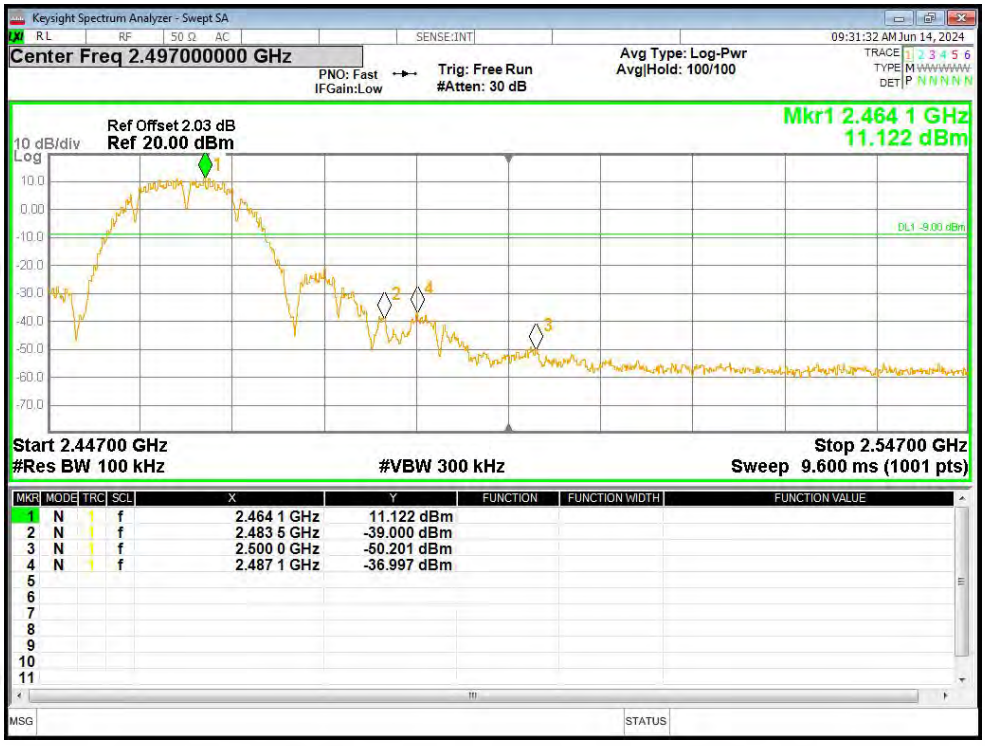
Band Edge NVNT b 2462MHz Ant1 Ref

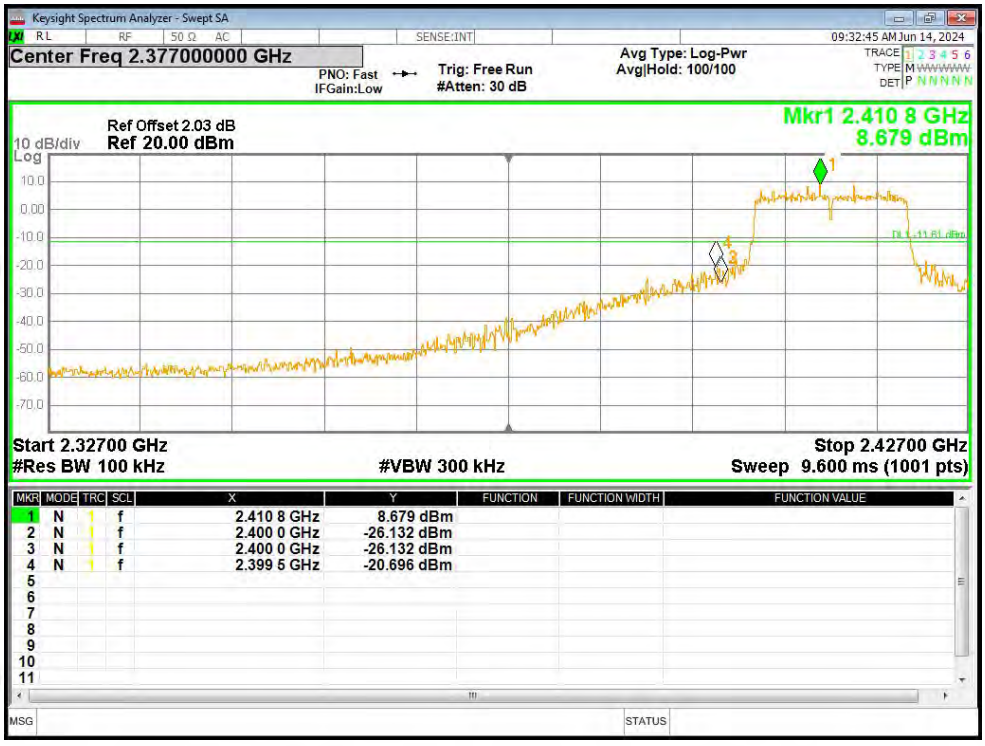


Band Edge NVNT b 2462MHz Ant1 Emission



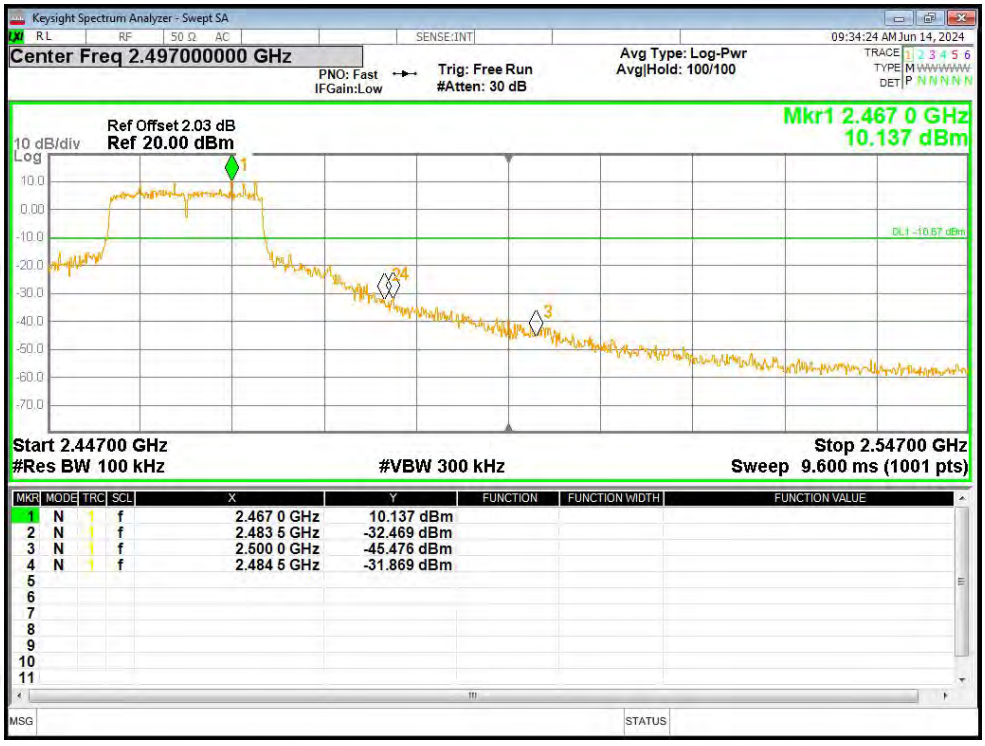
Band Edge NVNT g 2412MHz Ant1 Ref

Band Edge NVNT g 2412MHz Ant1 Emission



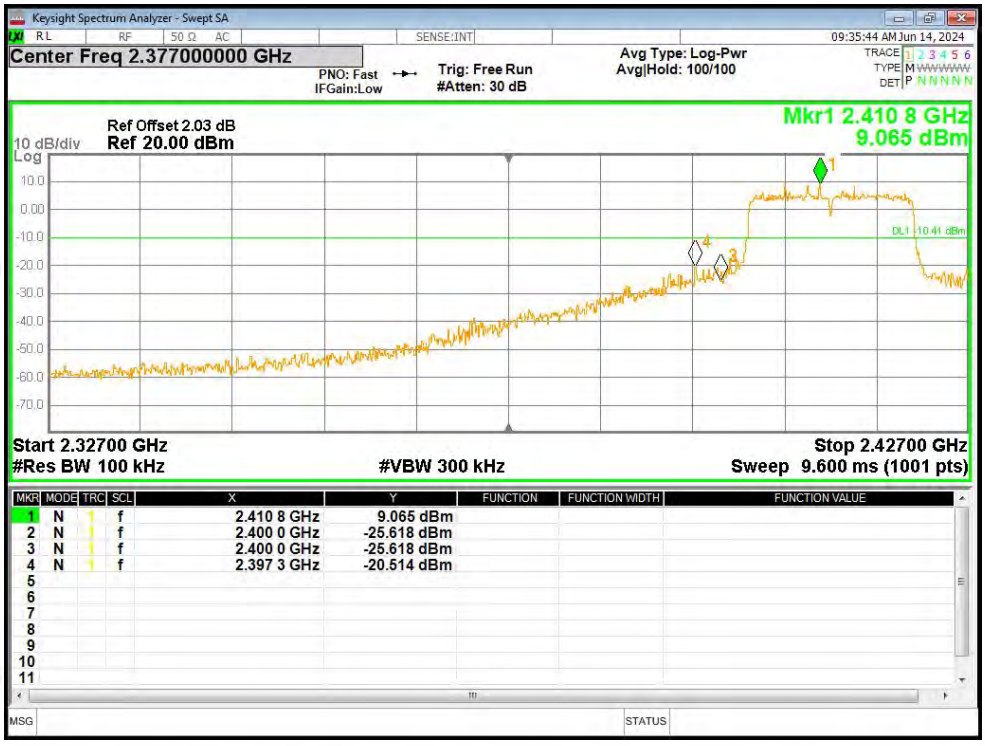
Band Edge NVNT g 2462MHz Ant1 Ref

Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref

Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref

Band Edge NVNT n20 2462MHz Ant1 Emission

Band Edge NVNT n40 2422MHz Ant1 Ref

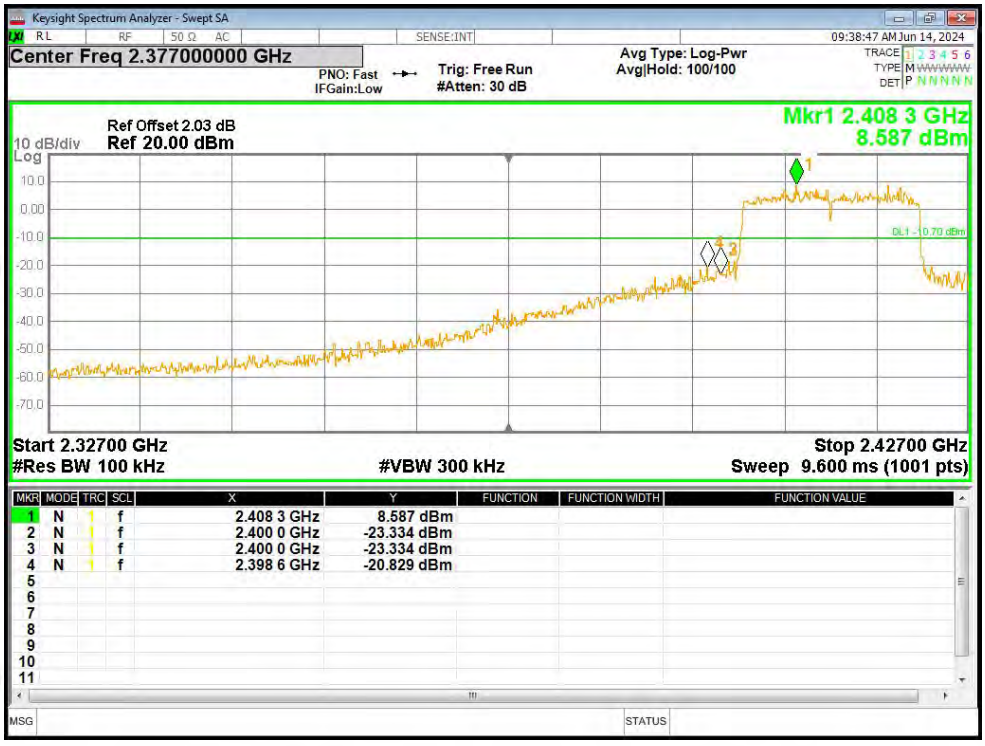
Band Edge NVNT n40 2422MHz Ant1 Emission

Band Edge NVNT n40 2452MHz Ant1 Ref

Band Edge NVNT n40 2452MHz Ant1 Emission

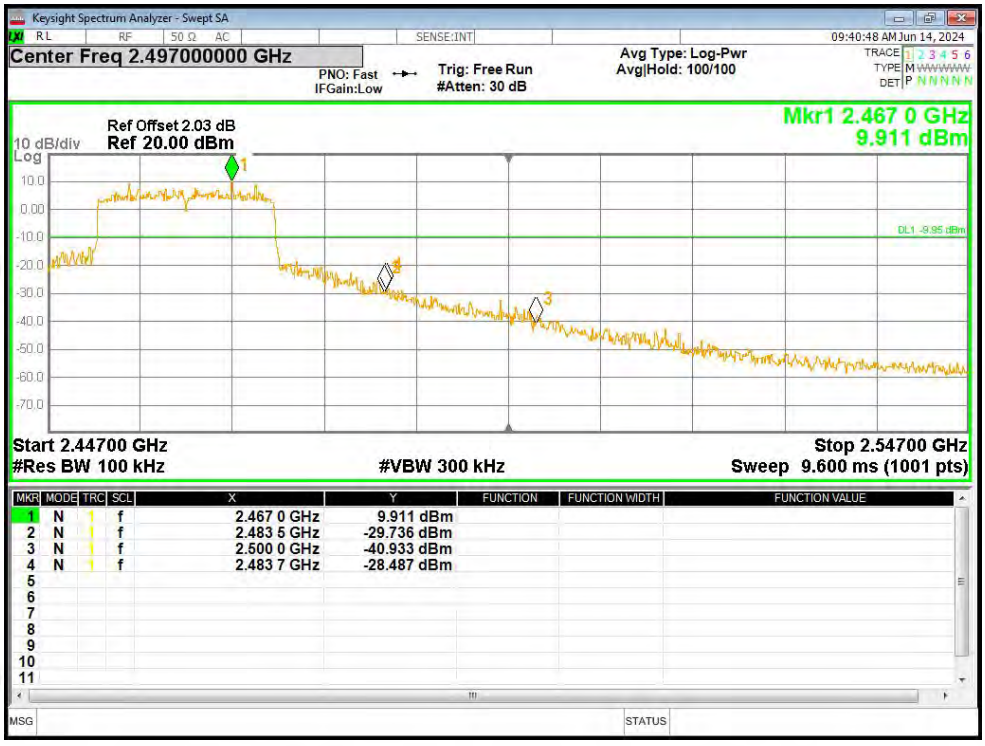
Band Edge NVNT ax20 2412MHz Ant1 Ref

Band Edge NVNT ax20 2412MHz Ant1 Emission



Band Edge NVNT ax20 2462MHz Ant1 Ref

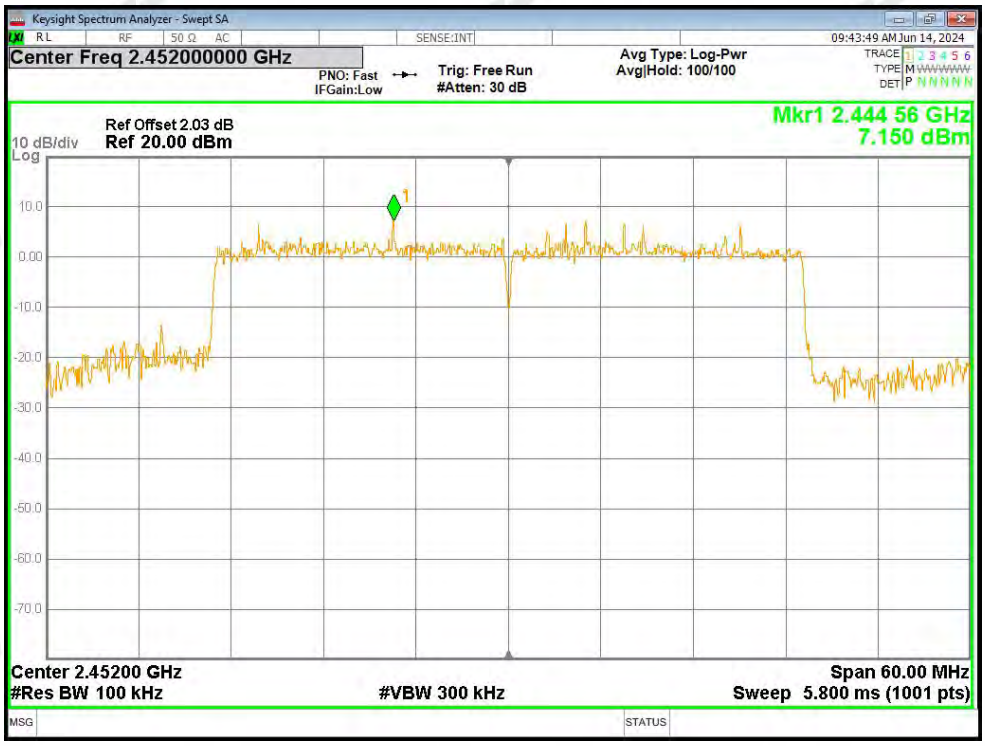
Band Edge NVNT ax20 2462MHz Ant1 Emission



Band Edge NVNT ax40 2422MHz Ant1 Ref

Band Edge NVNT ax40 2422MHz Ant1 Emission

Band Edge NVNT ax40 2452MHz Ant1 Ref



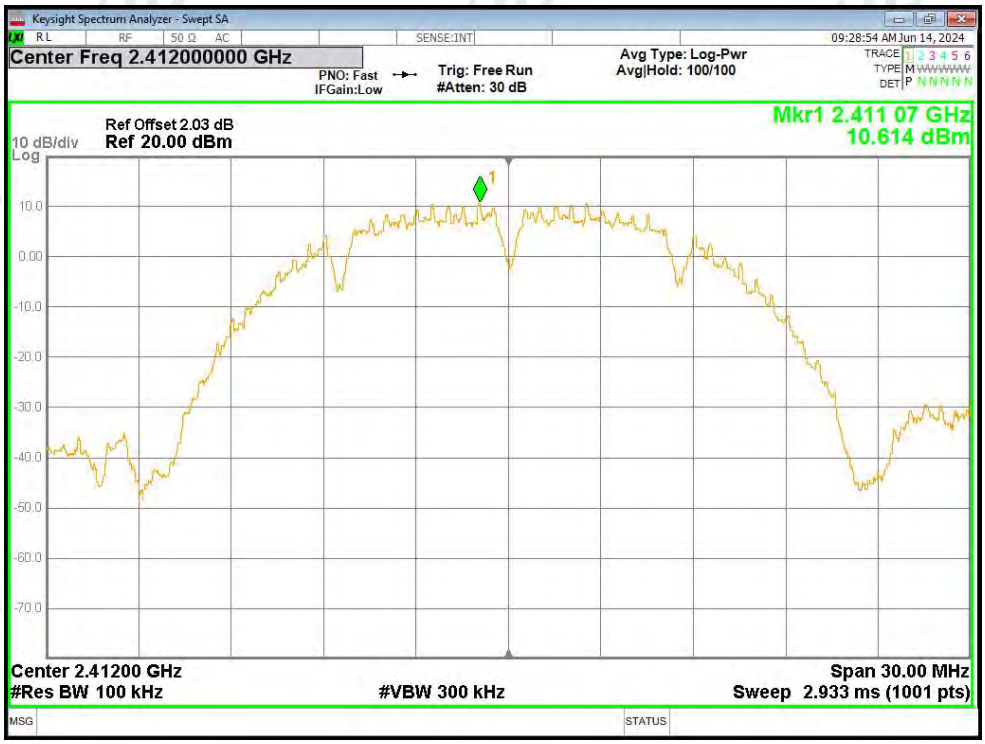
Band Edge NVNT ax40 2452MHz Ant1 Emission

Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-57.12	-20	Pass
NVNT	b	2437	Ant1	-56.3	-20	Pass
NVNT	b	2462	Ant1	-57.54	-20	Pass
NVNT	g	2412	Ant1	-53.83	-20	Pass
NVNT	g	2437	Ant1	-55.51	-20	Pass
NVNT	g	2462	Ant1	-51.42	-20	Pass
NVNT	n20	2412	Ant1	-56.28	-20	Pass
NVNT	n20	2437	Ant1	-55.31	-20	Pass
NVNT	n20	2462	Ant1	-50.61	-20	Pass
NVNT	n40	2422	Ant1	-45.08	-20	Pass
NVNT	n40	2437	Ant1	-40.39	-20	Pass
NVNT	n40	2452	Ant1	-30.44	-20	Pass
NVNT	ax20	2412	Ant1	-55.52	-20	Pass
NVNT	ax20	2437	Ant1	-55.78	-20	Pass
NVNT	ax20	2462	Ant1	-50.52	-20	Pass
NVNT	ax40	2422	Ant1	-37.07	-20	Pass
NVNT	ax40	2437	Ant1	-41.78	-20	Pass
NVNT	ax40	2452	Ant1	-32.37	-20	Pass

Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.413 2 GHz	9.184 dBm			
2	N	1	f	24.855 3 GHz	-46.512 dBm			
3	N	1	f	4.823 7 GHz	-50.273 dBm			
4	N	1	f	7.236 9 GHz	-51.842 dBm			
5	N	1	f	9.841 5 GHz	-57.547 dBm			
6								
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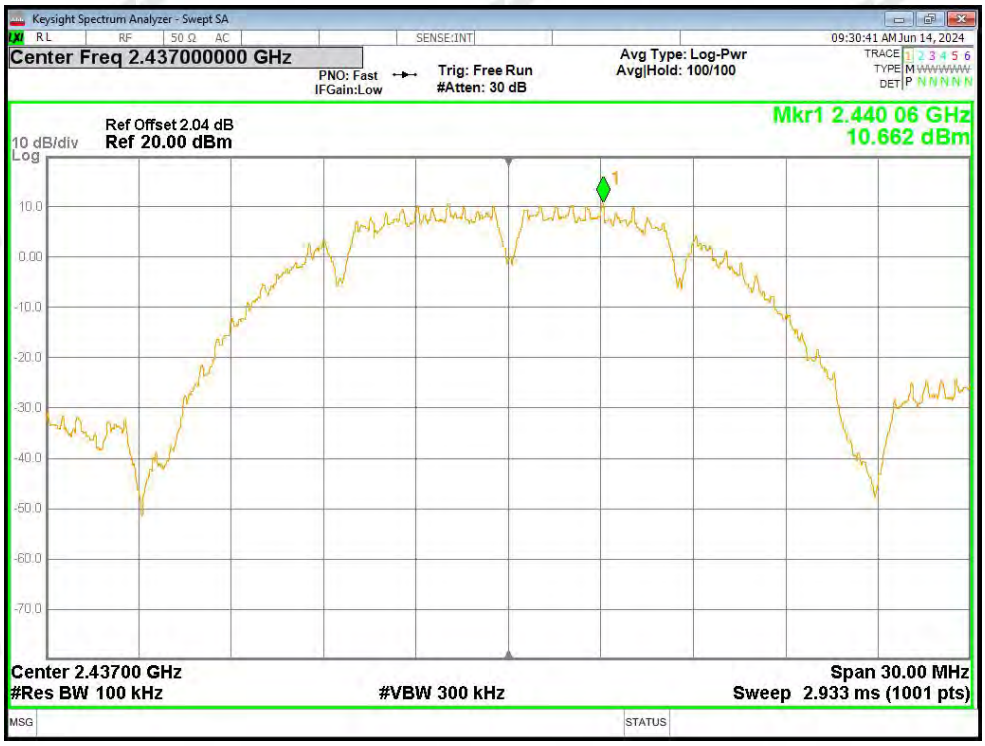
Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.434 4 GHz	9.599 dBm			
2	N	1	f	24.700 0 GHz	-45.647 dBm			
3	N	1	f	4.874 0 GHz	-50.741 dBm			
4	N	1	f	7.311 0 GHz	-52.257 dBm			
5	N	1	f	9.909 5 GHz	-57.313 dBm			
6								
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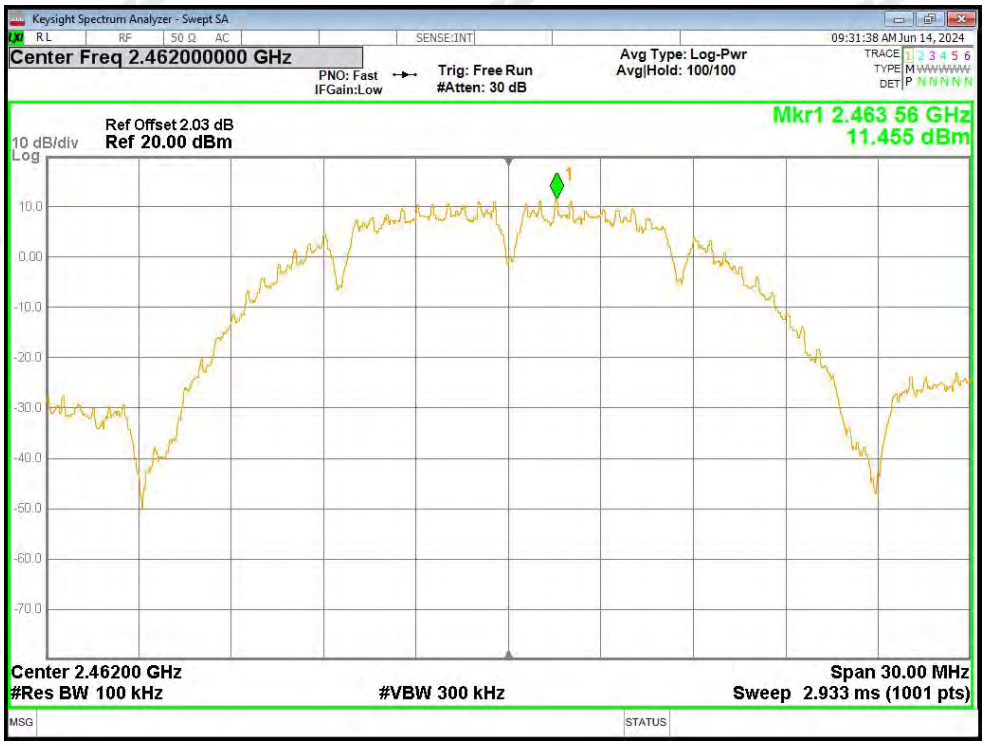
Tx. Spurious NVNT b 2462MHz Ant1 Ref



Tx. Spurious NVNT b 2462MHz Ant1 Emission

Tx. Spurious NVNT g 2412MHz Ant1 Ref

Tx. Spurious NVNT g 2412MHz Ant1 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	2.440 5 GHz	9.727 dBm			
2	N	1	f	25.309 7 GHz	-46.067 dBm			
3	N	1	f	4.872 2 GHz	-52.916 dBm			
4	N	1	f	7.304 0 GHz	-51.222 dBm			
5	N	1	f	9.693 3 GHz	-57.602 dBm			
6								
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Tx. Spurious NVNT g 2462MHz Ant1 Ref

Tx. Spurious NVNT g 2462MHz Ant1 Emission

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.457 3 GHz	9.637 dBm			
2	N	1	f	2.500 5 GHz	-41.363 dBm			
3	N	1	f	4.804 3 GHz	-56.255 dBm			
4	N	1	f	7.388 7 GHz	-55.805 dBm			
5	N	1	f	9.988 9 GHz	-55.799 dBm			
6								
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9								
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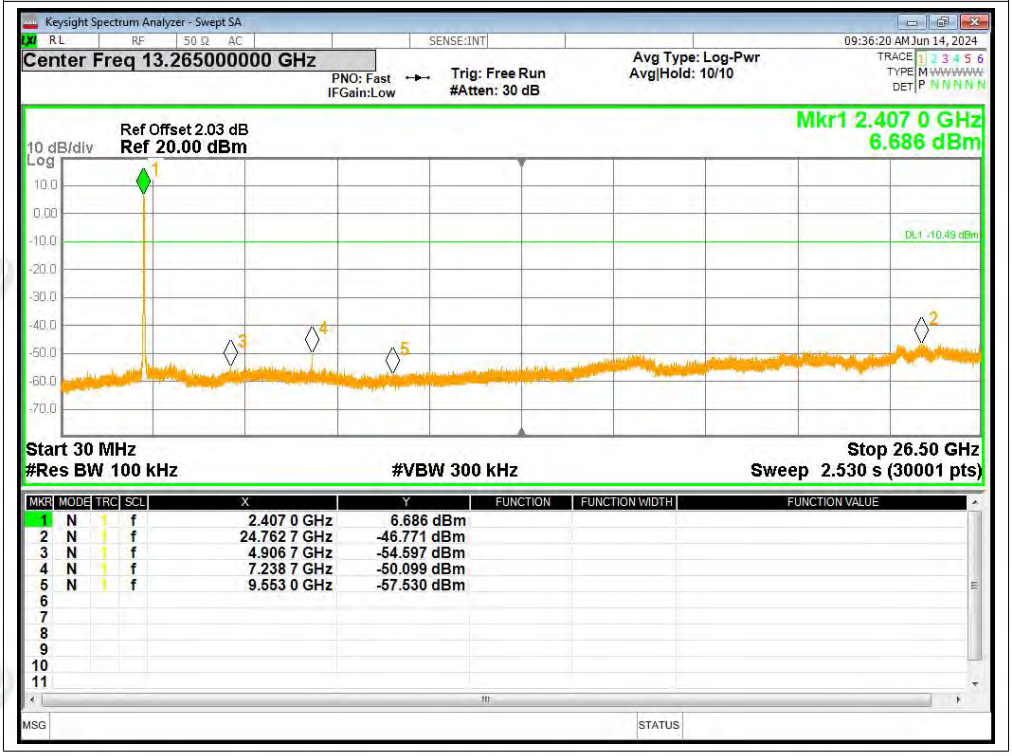
Tx. Spurious NVNT n20 2412MHz Ant1 Ref

Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Tx. Spurious NVNT n20 2437MHz Ant1 Ref

Tx. Spurious NVNT n20 2437MHz Ant1 Emission

Tx. Spurious NVNT n20 2462MHz Ant1 Ref

Tx. Spurious NVNT n20 2462MHz Ant1 Emission

Tx. Spurious NVNT n40 2422MHz Ant1 Ref

Tx. Spurious NVNT n40 2422MHz Ant1 Emission

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.430 8 GHz	4.966 dBm			
2	N	1	f	2.505 8 GHz	-38.180 dBm			
3	N	1	f	4.883 7 GHz	-55.965 dBm			
4	N	1	f	7.265 1 GHz	-55.253 dBm			
5	N	1	f	9.503 6 GHz	-57.448 dBm			
6								
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Tx. Spurious NVNT n40 2437MHz Ant1 Ref

Tx. Spurious NVNT n40 2437MHz Ant1 Emission

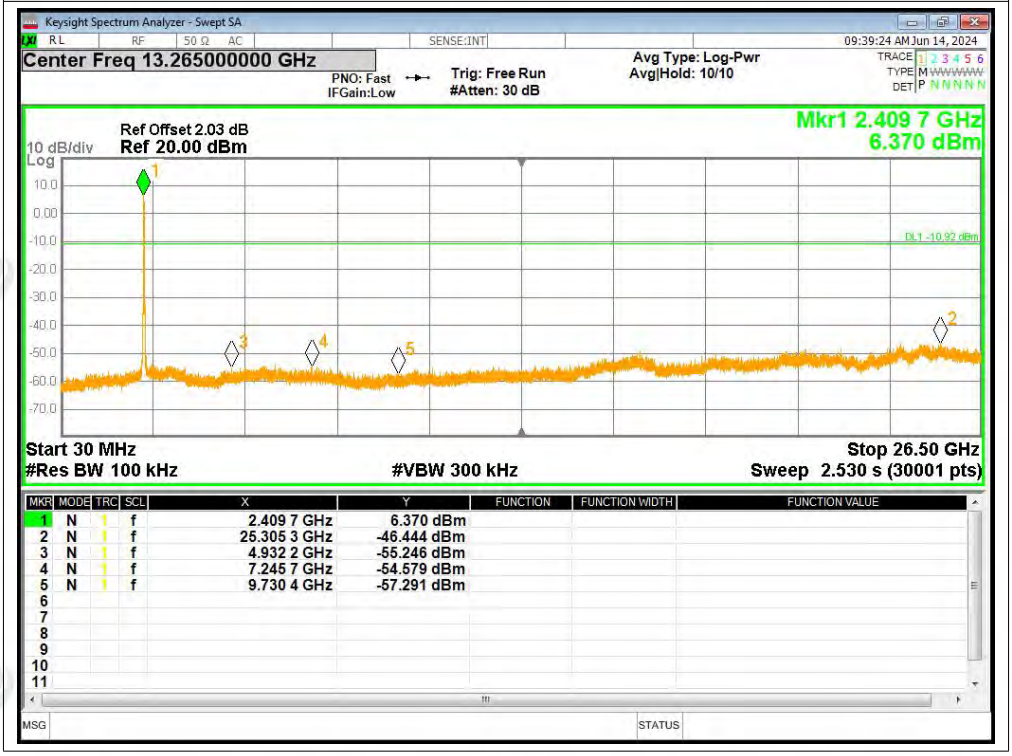
Tx. Spurious NVNT n40 2452MHz Ant1 Ref

Tx. Spurious NVNT n40 2452MHz Ant1 Emission

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.459 9 GHz	4.356 dBm			
2	N	1	f	2.500 5 GHz	-23.097 dBm			
3	N	1	f	5.040 8 GHz	-55.780 dBm			
4	N	1	f	7.279 3 GHz	-54.300 dBm			
5	N	1	f	9.730 4 GHz	-56.327 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT ax20 2412MHz Ant1 Ref

Tx. Spurious NVNT ax20 2412MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.409 7 GHz	6.370 dBm			
2	N	1	f	25.305 3 GHz	-46.444 dBm			
3	N	1	f	4.932 2 GHz	-55.246 dBm			
4	N	1	f	7.245 7 GHz	-54.579 dBm			
5	N	1	f	9.730 4 GHz	-57.291 dBm			
6								
7								
8								
9								
10								
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Tx. Spurious NVNT ax20 2437MHz Ant1 Ref

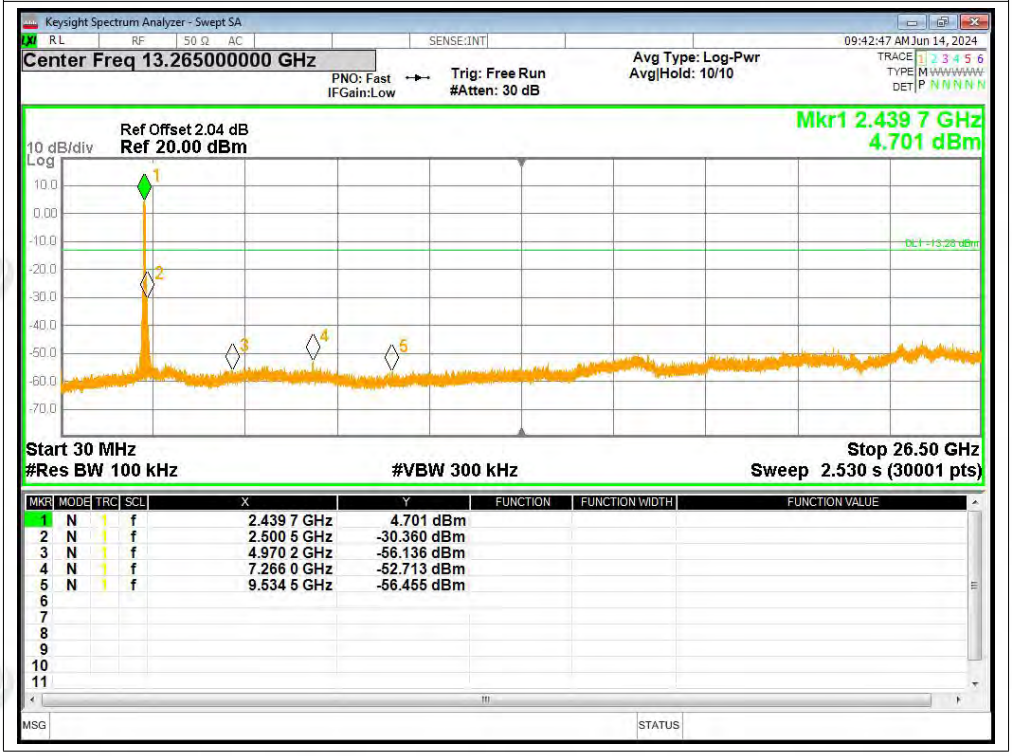
Tx. Spurious NVNT ax20 2437MHz Ant1 Emission

Tx. Spurious NVNT ax20 2462MHz Ant1 Ref

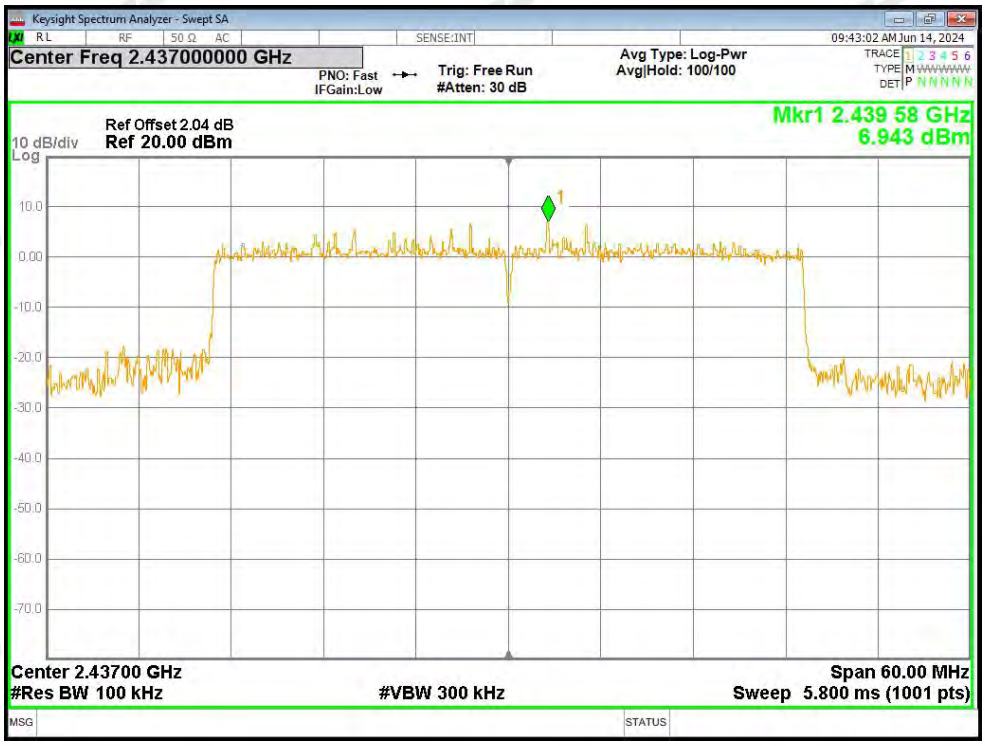
Tx. Spurious NVNT ax20 2462MHz Ant1 Emission

Tx. Spurious NVNT ax40 2422MHz Ant1 Ref

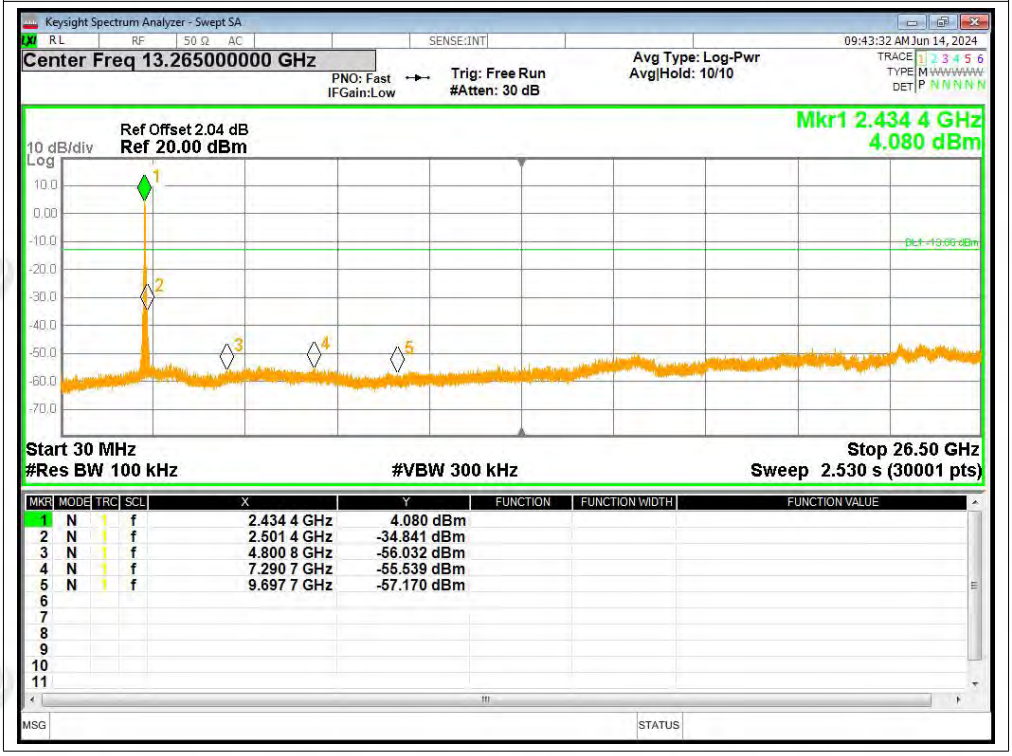
Tx. Spurious NVNT ax40 2422MHz Ant1 Emission



Tx. Spurious NVNT ax40 2437MHz Ant1 Ref

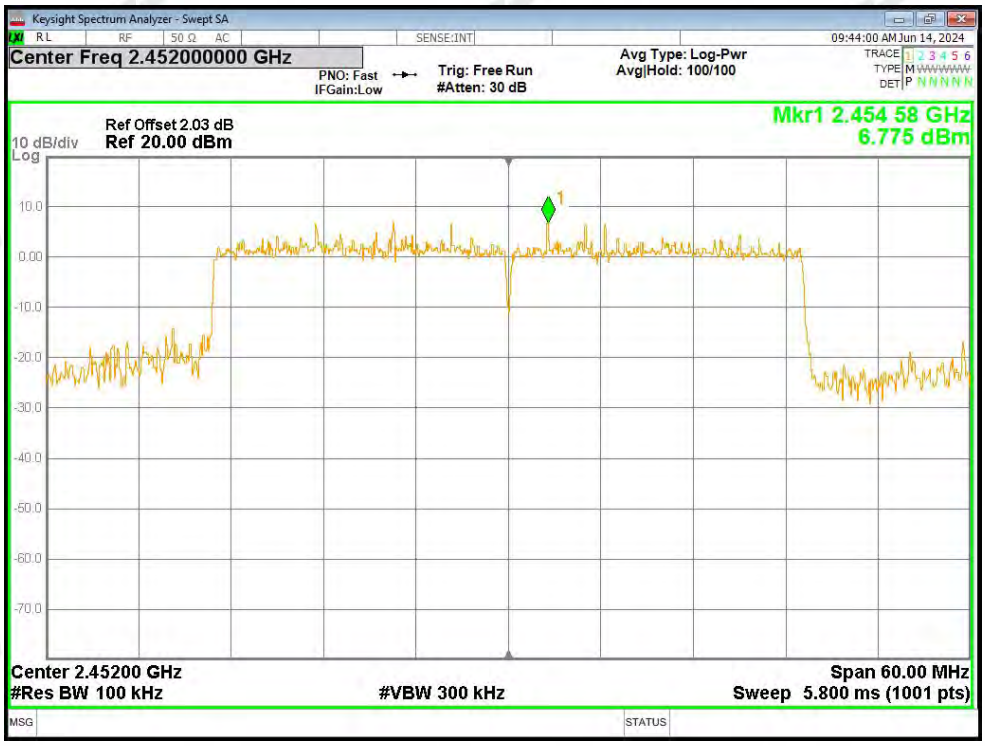


Tx. Spurious NVNT ax40 2437MHz Ant1 Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.434 4 GHz	4.080 dBm			
2	N	1	f	2.501 4 GHz	-34.841 dBm			
3	N	1	f	4.800 8 GHz	-56.032 dBm			
4	N	1	f	7.290 7 GHz	-55.539 dBm			
5	N	1	f	9.697 7 GHz	-57.170 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT ax40 2452MHz Ant1 Ref



Tx. Spurious NVNT ax40 2452MHz Ant1 Emission