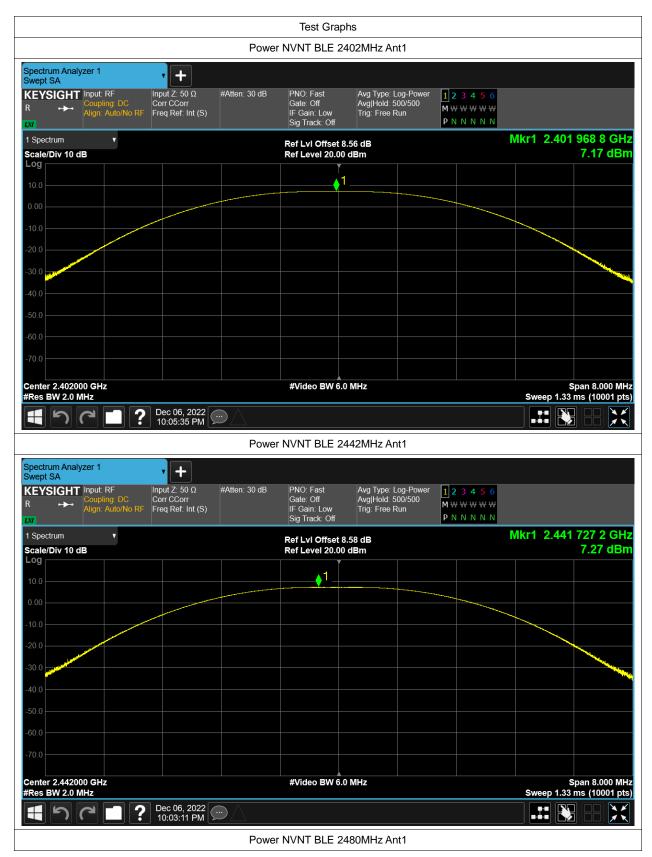


Test Data

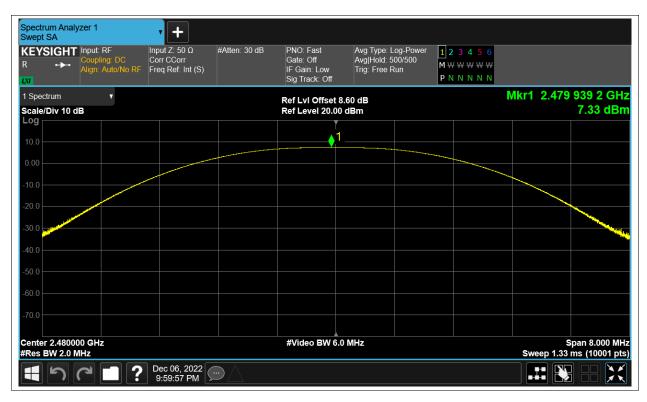
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	7.167	30	Pass
NVNT	BLE	2442	Ant1	7.27	30	Pass
NVNT	BLE	2480	Ant1	7.328	30	Pass







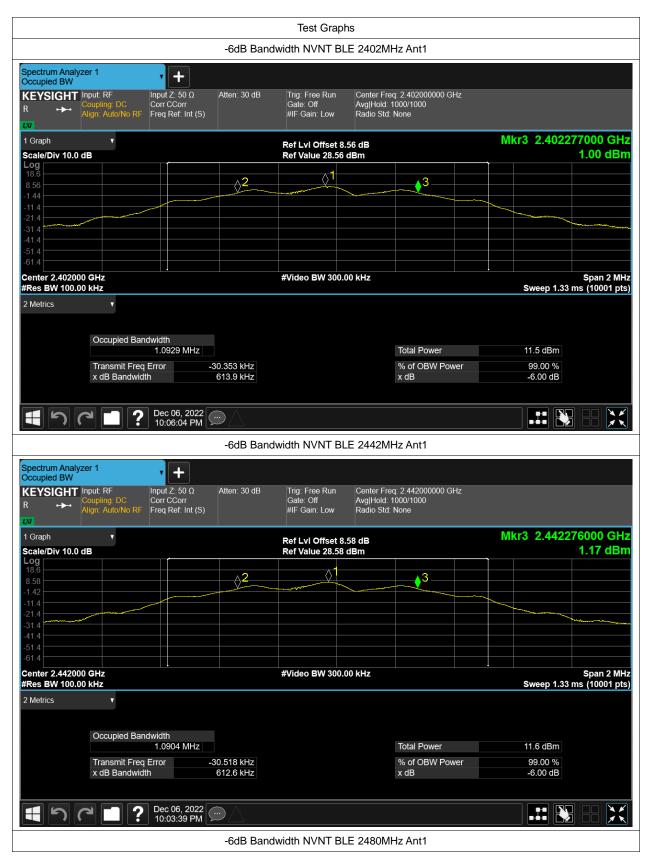




-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	BLE	2402	Ant1	0.614	0.5	Pass
NVNT	BLE	2442	Ant1	0.613	0.5	Pass
NVNT	BLE	2480	Ant1	0.611	0.5	Pass







Occupi				• +						
R R	SIGHT +→-	Input: R Coupling Align: A	F g: DC uto/No RF	Input Z: 50 Corr CCorr Freq Ref: Ir		dB Trig: Free Ru Gate: Off #IF Gain: Lov	Avg Hold:			
1 Grap	h		•			Ref LvI Offs	et 8 60 dB		Mkr3 2.4802	76000 GHz
	Div 10.0	dB				Ref Value 28				1.19 dBm
Log 18.6 8.60							,1	3		
-1.40										
-11.4 - -21.4 -										
-31.4										
-41.4 - -51.4 -										
-51.4										
	2.4800 3W 100.					#Video BW 3	800.00 kHz		Sweep 1.33	Span 2 MHz ms (10001 pts)
2 Metri	cs		v							
		000	upied Ban	dwidth						
				1.0894 N	Hz			Total Power	11.6 dBm	
			nsmit Freq		-30.030 kHz			% of OBW Power	99.00 %	
		⊤x dB	Bandwidi	th	611.2 kHz			x dB	-6.00 dB	
	ら	C	?	Dec 06, 2 10:00:24	022 PM					



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	1.112
NVNT	BLE	2442	Ant1	1.11
NVNT	BLE	2480	Ant1	1.108











Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	1.667	8	Pass
NVNT	BLE	2442	Ant1	1.779	8	Pass
NVNT	BLE	2480	Ant1	1.778	8	Pass











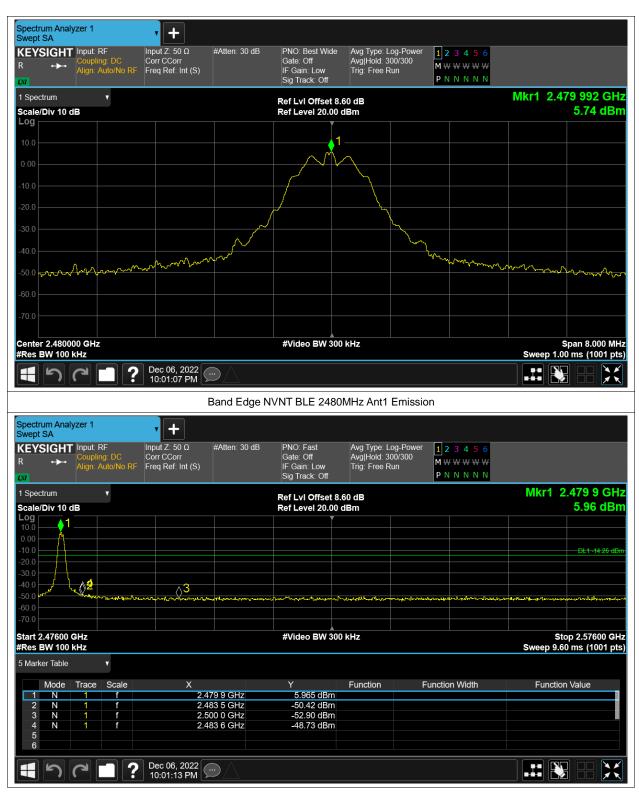
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-56.96	-20	Pass
NVNT	BLE	2480	Ant1	-54.47	-20	Pass



				Test Graph	IS			
			Band Edg	e NVNT BLE 24	02MHz Ant1 Ref			
Spectrum Analyzer 1 Swept SA	l	• +						
	oling: DC C	nput Ζ: 50 Ω Corr CCorr Freq Ref: Int (S)	#Atten: 30 dB	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold: 300/300 Trig: Free Run	1 2 3 4 5 6 M₩₩₩₩₩₩ P N N N N N		
1 Spectrum	•			Ref LvI Offset 8.			Mkr1 2.401	976 GHz .06 dBm
Scale/Div 10 dB				Ref Level 20.00	abm			.00 UDIII
10.0				1				
0.00								
-10.0								
-20.0								
-30.0						λ		
-40.0	a he of	mmm	mm			mannon	why hy man	
-50.0 My Aproposed	Abovely of a face							ᡝ᠋ᢆᠰᡳᡘᡟᢕ᠇ᡘᠵᢅ᠋ᢣ
-60.0								
Center 2.402000 GH #Res BW 100 kHz	lz			#Video BW 300	kHz		Spa Sweep 1.00 m	n 8.000 MHz s (1001 pts)
1 2 3		Dec 06, 2022 10:06:47 PM						
			Band Edge N	IVNT BLE 2402	MHz Ant1 Emissi	on		
Spectrum Analyzer 1	I	• +						
Swept SA	t: RF li bling: DC C	nput Z: 50 Ω Corr CCorr	#Atten: 30 dB	PNO: Fast	Avg Type: Log-Power	1 2 3 4 5 6		
		req Ref: Int (S)		Gate: Off IF Gain: Low Sig Track: Off	Avg Hold: 300/300 Trig: Free Run	M		
1 Spectrum	V	∙req Ret: Int (S)		IF Gain: Low	Trig: Free Run	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow \Downarrow$	Mkr1 2.4	
1 Spectrum Scale/Div 10 dB Log		-req Ref: Int (S)		IF Gain: Low Sig Track: Off	Trig: Free Run 56 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow \Downarrow$		02 0 GHz 0.01 dBm
1 Spectrum Scale/Div 10 dB Log 10.0 0.00		rreq Ref: Int (S)		IF Gain: Low Sig Track: Off Ref LvI Offset 8.	Trig: Free Run 56 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow \Downarrow$	6	.01 dBm ∳1
1 Spectrum Scale/Div 10 dB Log 0.00 -10.0 -20.0		req Ref: Int (S)		IF Gain: Low Sig Track: Off Ref LvI Offset 8.	Trig: Free Run 56 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow \Downarrow$	6	
1 Spectrum Scale/Div 10 dB Log 10.0		req Ref: Int (S)		IF Gain: Low Sig Track: Off Ref LvI Offset 8. Ref Level 20.00	Trig: Free Run 56 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow \Downarrow$	6	.01 dBm ∳1
1 Spectrum Scale/Div 10 dB Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0				IF Gain: Low Sig Track: Off Ref LvI Offset 8.	Trig: Free Run 56 dB		6	01 dBm
1 Spectrum Scale/Div 10 dB Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Start 2.30600 GHz				IF Gain: Low Sig Track: Off Ref LvI Offset 8. Ref Level 20.00	Trig: Free Run		A 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	01 dBm
1 Spectrum Scale/Div 10 dB Log 10.0				IF Gain: Low Sig Track: Off Ref LvI Offset 8. Ref Level 20.00	Trig: Free Run		A 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2.40600 GHz
1 Spectrum Scale/Div 10 dB Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Start 2.30600 GHz		req Ref: Int (S)		IF Gain: Low Sig Track: Off Ref LvI Offset 8. Ref Level 20.00	Trig: Free Run		€ Stop ź	2.40600 GHz s (1001 pts)
1 Spectrum Scale/Div 10 dB Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Start 2.30600 GHz #Res BW 100 kHz 5 Marker Table Mode Trac 1 1 2 N	v e Scale f	X 2.4 2.4	02 0 GHz 00 0 GHz	IF Gain: Low Sig Track: Off Ref LvI Offset 8. Ref Level 20.00 #Video BW 300 #Video BW 300	Trig: Free Run		Sweep 9.60 m	2.40600 GHz s (1001 pts)
1 Spectrum Scale/Div 10 dB Log 10.0 -0.0 -20.0 -30.0 -40.0 -50.0 -50.0 -70.0 -50.0 -70.0	v e Scale	X 2.4 2.3	.02 0 GHz	IF Gain: Low Sig Track: Off Ref Lvl Offset 8. Ref Level 20.00 #Video BW 300 ¥Video BW 300	Trig: Free Run		Sweep 9.60 m	2.40600 GHz s (1001 pts)
1 Spectrum Scale/Div 10 dB Log 10.0 0.00 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Start 2.30600 GHz #Res BW 100 kHz 5 Marker Table Mode Trac 1 N 1 2 N 1 3 N 1	v e Scale f f	X 2.4 2.3	02 0 GHz 00 0 GHz 90 0 GHz	IF Gain: Low Sig Track: Off Ref LvI Offset 8. Ref Level 20.00 #Video BW 300 #Video BW 300	Trig: Free Run		Sweep 9.60 m	2.40600 GHz s (1001 pts)
1 Spectrum Scale/Div 10 dB Log 10.0 -20.0 -30.0 -40.0 -50.0 -70.0 Start 2.30600 GHz #Res BW 100 kHz 5 Marker Table Mode Trac 1 N 1 2 N 1 3 N 1 4 N 1 5 S	v e Scale f f f f	X 2.4 2.3 2.3	02 0 GHz 00 0 GHz 90 0 GHz	IF Gain: Low Sig Track: Off Ref LvI Offset 8. Ref Level 20.00 #Video BW 300 #Video BW 300	Trig: Free Run		Sweep 9.60 m	2.40600 GHz s (1001 pts)







Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-51	-20	Pass
NVNT	BLE	2442	Ant1	-51.34	-20	Pass
NVNT	BLE	2480	Ant1	-50.83	-20	Pass







