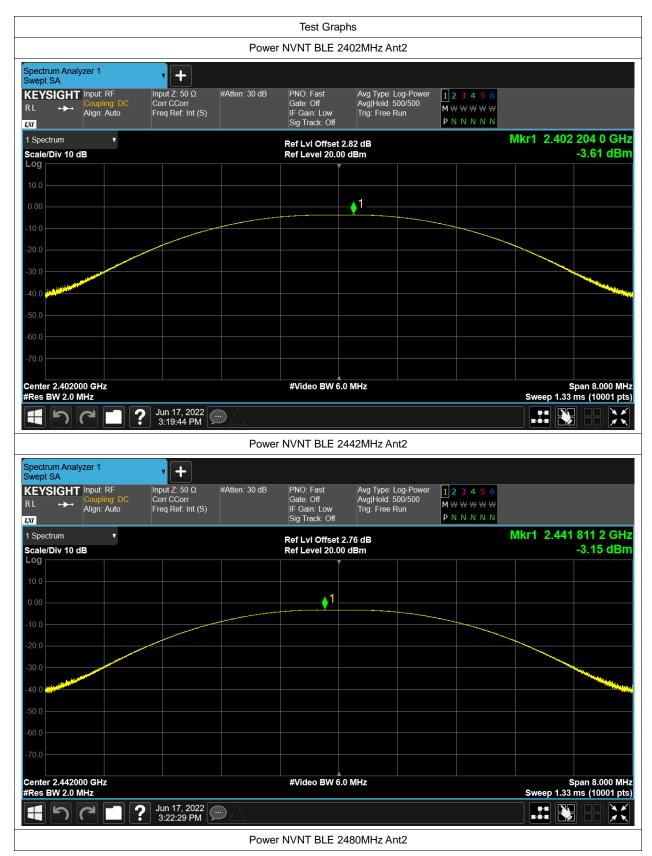


Test Data

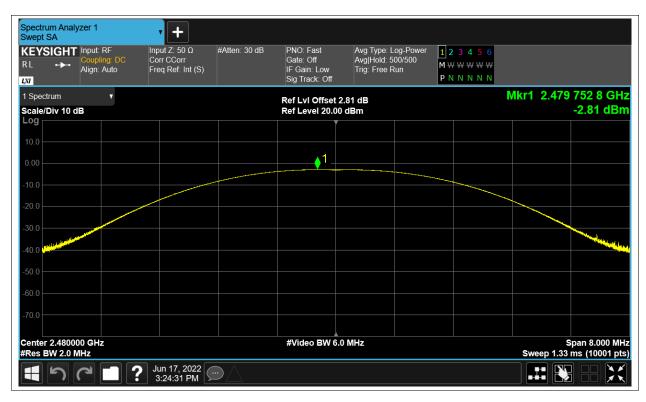
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant2	-3.605	30	Pass
NVNT	BLE	2442	Ant2	-3.153	30	Pass
NVNT	BLE	2480	Ant2	-2.806	30	Pass











-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	BLE	2402	Ant2	0.684	0.5	Pass
NVNT	BLE	2442	Ant2	0.686	0.5	Pass
NVNT	BLE	2480	Ant2	0.686	0.5	Pass







Spectru Occupie	ed BW			•									
RL	SIGHT ↔	Input: RF Coupling Align: Au	: DC	Input Z: 5 Corr CCo Freq Ref:	rr	Atten: 30 dB	Trig: Fr Gate: C #IF Gai	Off	Center Freq: Avg Hold: 50 Radio Std: N		iHz		
1 Graph	າ າ		v				Defini	Offset 2.8				Mkr3 2.48034	41000 GHz
	Div 10.0	dB						ue 22.81 d					12.53 dBm
Log 12.8													
2.81						A 2		1		▲3			
-7.19						2			~				
-17.2 - -27.2 -													
-37.2 🖛													~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-47.2													
-57.2													
Center #Res B					<u>.</u>		#Video	BW 300.0	0 kHz		·	Sweep 1.33 r	Span 2 MHz ns (10001 pts)
2 Metric	s		v										
		Occi	ipied Bai	ndwidth									
				1.0546	MHz					Total Power		-0.09 dBm	
			smit Fred			1.393 kHz				% of OBW Pov	wer	99.00 %	
		x dB	Bandwic	lth		685.8 kHz				x dB		-6.00 dB	
	5	2		Jun 17, 3:24:4	2022 8 PM								



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant2	1.054868091
NVNT	BLE	2442	Ant2	1.058752149
NVNT	BLE	2480	Ant2	1.056085718











Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant2	-9.96	8	Pass
NVNT	BLE	2442	Ant2	-9.514	8	Pass
NVNT	BLE	2480	Ant2	-9.201	8	Pass











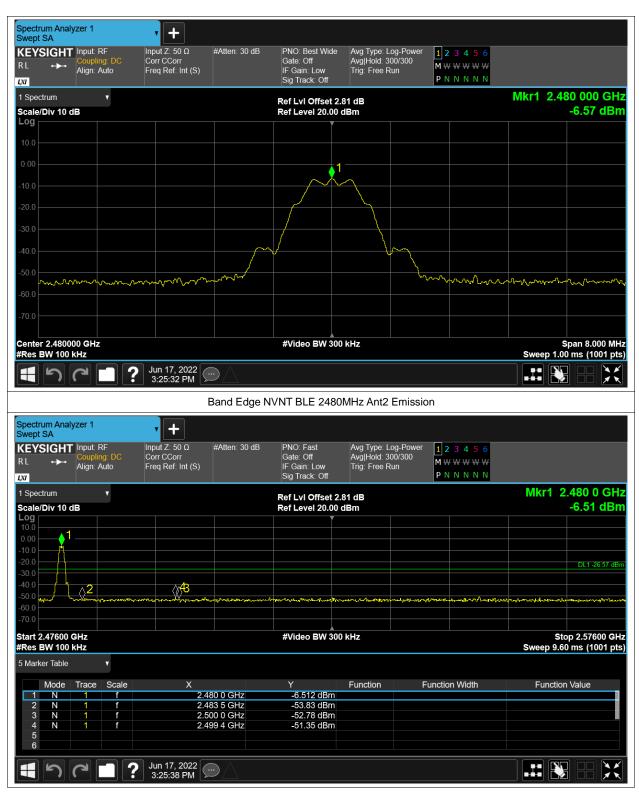
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant2	-43.5	-20	Pass
NVNT	BLE	2480	Ant2	-44.78	-20	Pass



				Test Graph				
-			Band Edg	e NVNT BLE 24	102MHz Ant2 Ref	f		
Spectrum Analy Swept SA		• +						
	Input: RF Coupling: DC Align: Auto	Input 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-Powe Avg Hold: 300/300 Trig: Free Run	f 123456 M₩₩₩₩₩₩ PNNNNN		
1 Spectrum	•			Ref LvI Offset 2.	82 dB		Mkr1 2.40	02 000 GHz
Scale/Div 10 d	В			Ref Level 20.00	dBm			-7.29 dBm
10.0								
0.00				1				
-10.0								
-30.0								
-40.0				\checkmark	-			
-50.0	mmhnun	- mar way and the	man		\	howman	<u>کہ میں میں میں اور اور اور اور اور اور اور اور اور اور</u>	And a Ada and
-60.0		1 A the triangle of the						
-70.0								
Center 2.40200 #Res BW 100 k				#Video BW 300) kHz			Span 8.000 MHz 0 ms (1001 pts)
H 50		Jun 17, 2022 3:20:43 PM						
			Band Edge N	NVNT BLE 2402	MHz Ant2 Emiss	ion		
Spectrum Analy Swept SA	vzer 1	• +	Band Edge N	IVNT BLE 2402	MHz Ant2 Emiss	ion		
			Band Edge N	NVNT BLE 2402 PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	2MHz Ant2 Emiss Avg Type: Log-Powe Avg Hold: 300/300 Trig: Free Run			
Swept SA KEYSIGHT RL +>+ UT 1 Spectrum	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2.	Avg Type: Log-Powe Avg Hold: 300/300 Trig: Free Run 82 dB	f 1 23456 M₩₩₩₩₩₩₩	Mkr1 2	.402 0 GHz
Swept SA KEYSIGHT RL ↔	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Powe Avg Hold: 300/300 Trig: Free Run 82 dB	f 1 23456 M₩₩₩₩₩₩₩	Mkr1 2	.402 0 GHz -7.25 dBm
Swept SA KEYSIGHT RL ->- 1 Spectrum Scale/Div 10 dl Log 10.0 -10.0	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2.	Avg Type: Log-Powe Avg Hold: 300/300 Trig: Free Run 82 dB	f 1 23456 M₩₩₩₩₩₩₩	Mkr1 2	
Swept SA KEYSIGHT R L →→ I Spectrum Scale/Div 10 dl Log 10.0 -10.0 -20.0 -30.0	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2.	Avg Type: Log-Powe Avg Hold: 300/300 Trig: Free Run 82 dB	r 1 2 3 4 5 6 M W W W W W P N N N N N		-7.25 dBm
Swept SA KEYSIGHT RL ->- 1 Spectrum Scale/Div 10 dl Log 10.0 10.0 -20.0	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2.	Avg Type: Log-Powe Avg Hold: 300/300 Trig: Free Run 82 dB	f 1 23456 M₩₩₩₩₩₩₩	Mkr1 2	-7.25 dBm
Swept SA KEYSIGHT RL	Input: RF Coupling: DC Align: Auto B B Coupling: Auto	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2.	Avg Type: Log-Powe Avg Hold: 300/300 Trig: Free Run 82 dB dBm	r 1 2 3 4 5 6 M W W W W W P N N N N N	J3	-7.25 dBm
Swept SA KEYSIGHT RL 1 Spectrum Scale/Div 10 dl Log 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -70.0	Input: RF Coupling: DC Align: Auto B B Coupling: Auto B Coupling: Coupling Coupling: Coupling Coupling: Coupling: Coupling Coupling: DC Coupling: DC Align: Auto B Coupling: DC Coupling: Coupling: DC Coupling: Coupling: DC Coupling: Coupling:	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2. Ref Level 20.00	Avg Type: Log-Powe Avg Hold: 300/300 Trig: Free Run 82 dB dBm	r 1 2 3 4 5 6 M W W W W W P N N N N N	3 Stor	-7.25 dBm
Swept SA KEYSIGHT R L →→ I Spectrum Scale/Div 10 dl Scale/Div 10 dl 0.00 -10.0 -20.0 -30.0 -40.0 -50.0	Input: RF Coupling: DC Align: Auto B B B Coupling: DC Coupling: Coupling: DC Coupling: DC Coupli	Linput Z: 50 Ω Corr CCorr Freq Ref: Int (S)	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2. Ref Level 20.00	Avg Type: Log-Powe Avg Hold: 300/300 Trig: Free Run 82 dB dBm	r 1 2 3 4 5 6 M W W W W W P N N N N N	3 Stor	-7.25 dBm
Swept SA KEYSIGHT R L →→ 1 Spectrum Scale/Div 10 dl 100 -00 -30.0 -40.0 -50.0 -70.0 Start 2.30600 G #Res BW 100 k 5 Marker Table	Input: RF Coupling: DC Align: Auto B B Coupling: Auto B B Coupling: DC Coupling: Coupling: Coupli	Linput Z: 50 Ω Corr CCorr Freq Ref: Int (S)		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2. Ref Level 20.00	Avg Type: Log-Powe Avg Hold: 300/300 Trig: Free Run 82 dB dBm	r 1 2 3 4 5 6 M W W W W W P N N N N N	Sweep 9.6	-7.25 dBm
Swept SA KEYSIGHT R L	Input: RF Coupling: DC Align: Auto B B B B B B B B B B B B B B B C C C C	Linput Z: 50 Ω Corr CCorr Freq Ref: Int (S)	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2. Ref Level 20.00 #Video BW 300 #Video BW 300	Avg Type: Log-Powe Avg Hold: 300/300 Trig: Free Run 82 dB dBm	r 1 2 3 4 5 6 M W W W W W P N N N N N	Sweep 9.6	-7.25 dBm
Swept SA KEYSIGHT R L 1 Spectrum Scale/Div 10 dl Log 10.0 -20.0 -30.0 -40.0 -50.0 -70.0 Start 2.30600 C #Res BW 100 kl 5 Marker Table Mode 1 N 2 N 3 N 4 N 5	Input: RF Coupling: DC Align: Auto B B Coupling: Auto B B Coupling: DC Coupling: Coupling: Coupli	Linput Z: 50 Ω Corr CCorr Freq Ref: Int (S)	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2. Ref Level 20.00 #Video BW 300 #Video BW 300	Avg Type: Log-Powe Avg Hold: 300/300 Trig: Free Run 82 dB dBm	r 1 2 3 4 5 6 M W W W W W P N N N N N	Sweep 9.6	-7.25 dBm







Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant2	-38.85	-20	Pass
NVNT	BLE	2442	Ant2	-39.61	-20	Pass
NVNT	BLE	2480	Ant2	-39.62	-20	Pass











