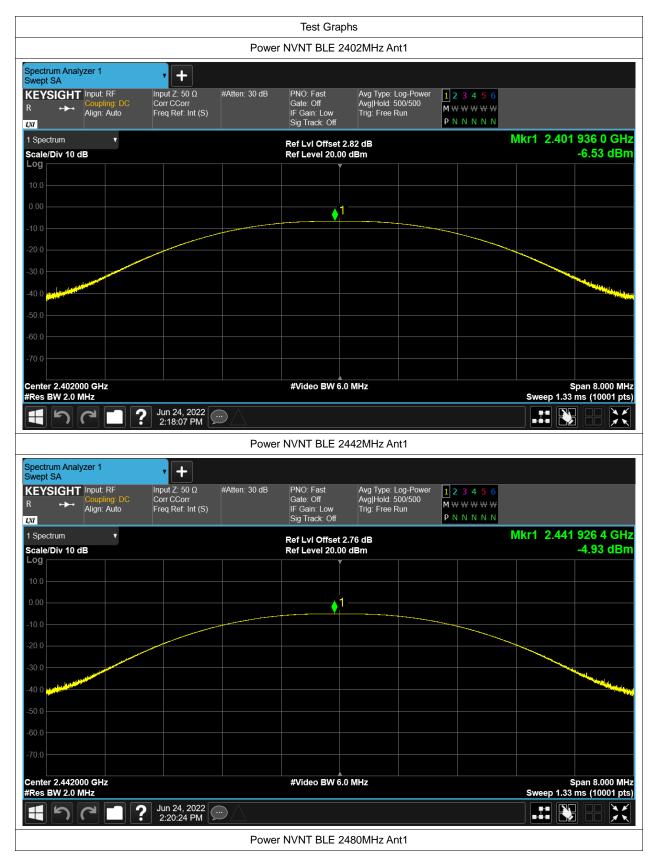


Test Data

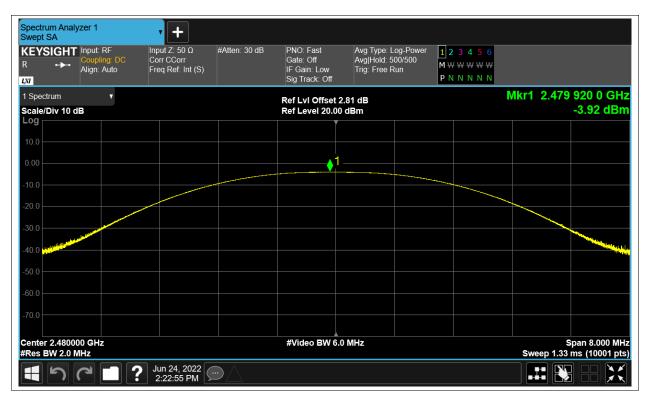
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-6.533	30	Pass
NVNT	BLE	2442	Ant1	-4.926	30	Pass
NVNT	BLE	2480	Ant1	-3.917	30	Pass











-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	BLE	2402	Ant1	0.673	0.5	Pass
NVNT	BLE	2442	Ant1	0.655	0.5	Pass
NVNT	BLE	2480	Ant1	0.676	0.5	Pass







Spectrum A Occupied E	Analyze 3W	er 1		-	-								
KEYSIG R ↔	<u> </u>	nput: RF Coupling: Align: Auto		Input Z: 5 Corr CCc Freq Ref	orr	Atten: 30 dB	Trig: Free Gate: Off #IF Gain:		Center Freq: Avg Hold: 50 Radio Std: N		z		
1 Graph	_										M	kr3 2.4803	33000 GHz
Scale/Div	10.0 d	B					Ref Lvi O Ref Value						10.31 dBm
Log 12.8													
2.81						2				3			
-7.19							*****						
-17.2													
-37.2			and a start of the									A CONTRACTOR OF THE OWNER	
-47.2													
-67.2													
Center 2.4 #Res BW 1							#Video B	W 300.00	kHz			Sweep 1.33	Span 2 MHz ms (10001 pts)
2 Metrics		V											
		Occup	ied Ban	dwidth									
		0000		1.0571	MHz					Total Power		2.19 dBm	
			mit Freq			-4.884 kHz				% of OBW Powe	er	99.00 %	
		x dB E	Bandwidt	h		676.2 kHz				x dB		-6.00 dB	
1) (]?	Jun 24 2:23:1	2022 3 PM								



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	1.030482883
NVNT	BLE	2442	Ant1	1.034971633
NVNT	BLE	2480	Ant1	1.034040458











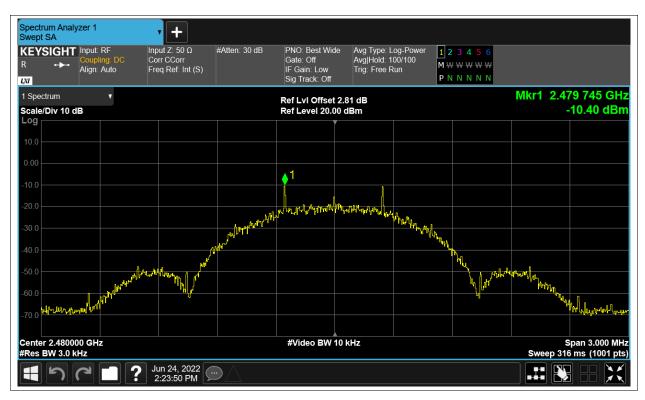
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-13.118	8	Pass
NVNT	BLE	2442	Ant1	-11.407	8	Pass
NVNT	BLE	2480	Ant1	-10.405	8	Pass











Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-44.78	-20	Pass
NVNT	BLE	2480	Ant1	-47.51	-20	Pass



	Test Grap	าร			
	Band Edge NVNT BLE 24	102MHz Ant1 Ref			
Spectrum Analyzer 1					
KEYSIGHT Input: RF Input Z: 50 Ω R ↔ Coupling: DC Align: Auto 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 \vee vee vee vee vee vee vee vee vee ve		
1 Spectrum 🔹	Ref LvI Offset 2			Mkr1 2.401	
Scale/Div 10 dB Log	Ref Level 20.00	dBm		-6	.99 dBm
10.0					
0.00	1				
-10.0		~			
-20.0					
-30.0					
-40.0		\longrightarrow			
-50.0		\			
-60.0			way was	Martin	᠕ᢣ᠕᠕᠕
-70.0					
Center 2.402000 GHz #Res BW 100 kHz	#Video BW 300) kHz		Spa Sweep 1.00 m	n 8.000 MHz s (1001 pts)
I 5 7 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 3 1 4 1 1 1 1 1 1 1 1 1 1					
	Band Edge NVNT BLE 2402	MHz Ant1 Emissio	n		
Spectrum Analyzer 1					
KEYSIGHT Input: RF Input Z: 50 Ω	#Atten: 30 dB PNO: Fast	Avg Type: Log-Power	1 2 3 4 5 6		
R ↔ Coupling: DC Corr CCorr Align: Auto Freq Ref: Int (S)	Gate: Off IF Gain: Low	Avg Hold: 300/300 Trig: Free Run	M		
1 Spectrum	Sig Track: Off	00 d B	PININININ	Mkr1 2.4)1 8 GHz
Scale/Div 10 dB	Ref LvI Offset 2. Ref Level 20.00				.13 dBm
Log 10.0 0.00					▲1
-10.0					
-20.0					DL1 -26.99 dBm
			4		_ ¢² `
-60.0 -70.0					
Start 2.30600 GHz	#Video BW 300) kHz			2.40600 GHz
#Res BW 100 kHz 5 Marker Table				Sweep 9.60 m	s (1001 pts)
Mode Trace Scale X	Y	Function F	unction Width	Function Va	lue
1 N 1 f 2.4	01 8 GHz -7.132 dBm 00 0 GHz -53.19 dBm				
3 N 1 f 2.3 4 N 1 f 2.3	90 0 GHz -54.31 dBm 78 4 GHz -51.77 dBm				
5					
1 5 7 1 7 Jun 24, 2022 2:19:14 PM					







Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-38.78	-20	Pass
NVNT	BLE	2442	Ant1	-42.07	-20	Pass
NVNT	BLE	2480	Ant1	-41.58	-20	Pass



