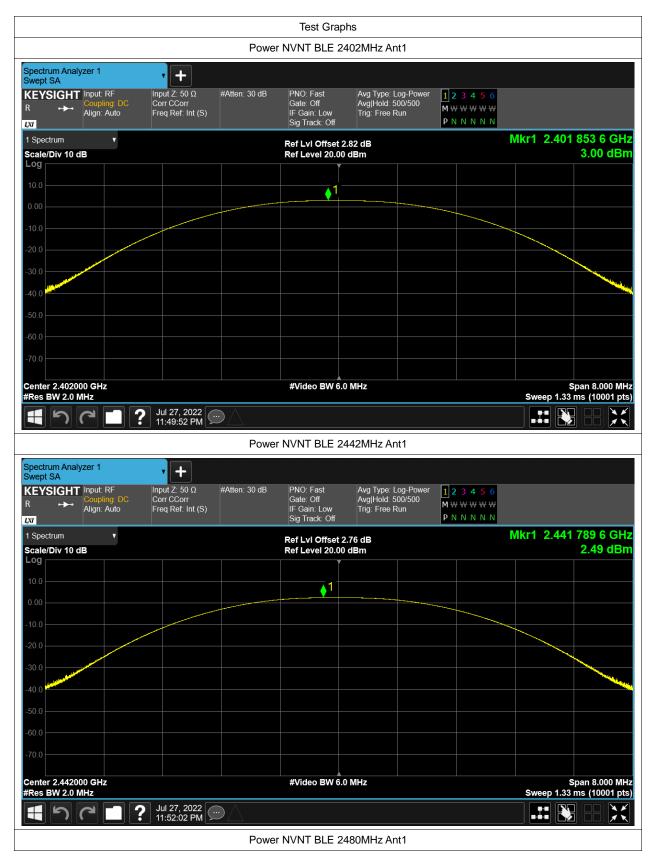


Test Data

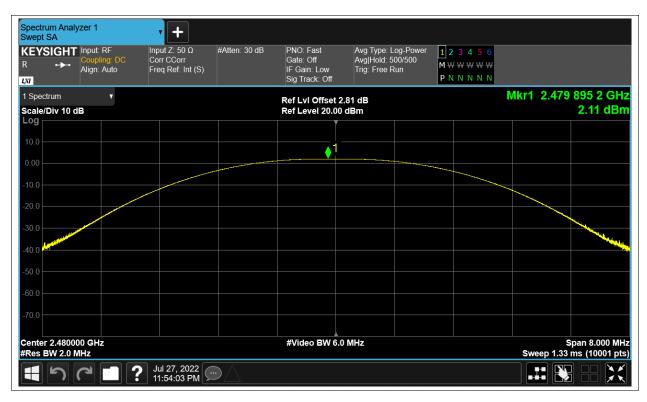
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	2.999	30	Pass
NVNT	BLE	2442	Ant1	2.486	30	Pass
NVNT	BLE	2480	Ant1	2.115	30	Pass











-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	BLE	2402	Ant1	0.66	0.5	Pass
NVNT	BLE	2442	Ant1	0.663	0.5	Pass
NVNT	BLE	2480	Ant1	0.663	0.5	Pass







Spectrui Occupie	m Analy d BW	/zer 1	-	Þ						
KEYS R	IGHT →	Input: RF Coupling: DO Align: Auto	Input Z: : C Corr CCo Freq Ref	orr	: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold: Radio Std:			
1 Graph						Ref LvI Offset :	2.81 dB		Mkr3 2.48	0326000 GHz
Scale/D)iv 10.0	dB				Ref Value 22.8				-3.93 dBm
12.8					2^{1}			3		
2.81					tran					
-17.2 —										
-27.2										·
-47.2										
-57.2										
-67.2										
Center : #Res B						#Video BW 300	.00 KHZ		Sweep 1	Span 2 MHz .33 ms (10001 pts)
2 Metrics		V								
		• •								
		Occupie	d Bandwidth 1.0442	MHz				Total Power	8.42 dBr	n
		Transmi	t Freq Error	-5.740	kHz			% of OBW Power	99.00 %	6
		x dB Bai		662.5				x dB	-6.00 di	
	5		? Jul 27, 11:54:2	2022						



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	1.021981159
NVNT	BLE	2442	Ant1	1.007350257
NVNT	BLE	2480	Ant1	1.018108772











Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-3.523	8	Pass
NVNT	BLE	2442	Ant1	-3.92	8	Pass
NVNT	BLE	2480	Ant1	-4.173	8	Pass











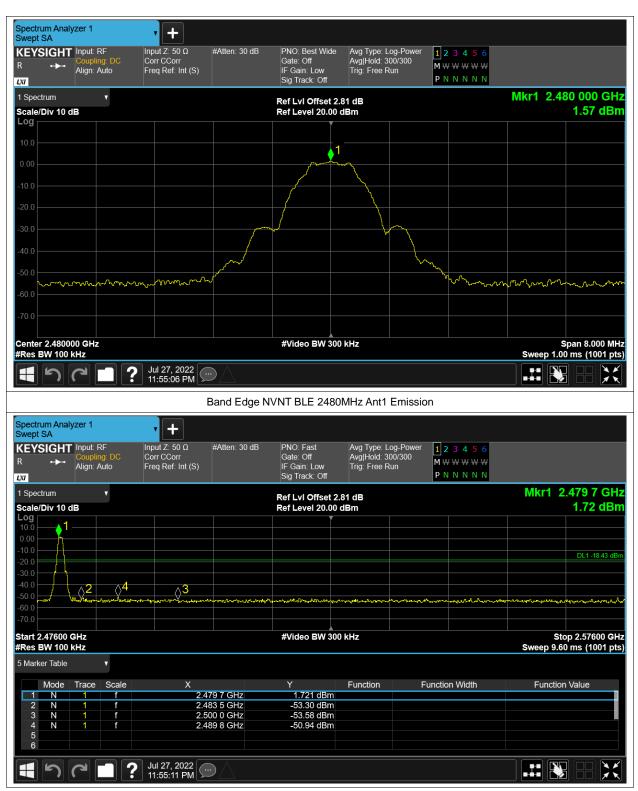
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-54.25	-20	Pass
NVNT	BLE	2480	Ant1	-52.5	-20	Pass



				Test Grap	hs			
			Band Edg	e NVNT BLE 24	402MHz Ant1 Re	f		
Spectrum Analy Swept SA	zer 1	• +						
	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-Pow Avg Hold: 300/300 Trig: Free Run	er 1 23456 M₩₩₩₩₩₩ PNNNNN		
1 Spectrum			I	Ref LvI Offset 2.			Mkr1 2.402	
Scale/Div 10 d	B			Ref Level 20.00	dBm			2.35 dBm
10.0				1				
-10.0								
-20.0								
-30.0								
-50.0	- hor hor	m when when	and the second s			- Annorman	m	᠃ᡣ᠕ᠾ᠊ᠬᢦᠵᠰ᠋ᢩᠰ
-70.0								
Center 2.40200 #Res BW 100 k				#Video BW 300) kHz		Sp Sweep 1.00 r	an 8.000 MHz ns (1001 pts)
1 5		Jul 27, 2022 11:50:54 PM						
			Band Edge I	NVNT BLE 2402	2MHz Ant1 Emis	sion		
Spectrum Analy Swept SA	zer 1	• +						
		Input Z: 50 Ω Corr CCorr Freq Ref: Int (S)	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Pow Avg]Hold: 300/300 Trig: Free Run			
Swept SA KEYSIGHT R +>+ UT 1 Spectrum	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2.	Avg Type: Log-Pow Avg]Hold: 300/300 Trig: Free Run .82 dB	er 123456 M₩₩₩₩₩₩		102 0 GHz
Swept SA KEYSIGHT R 1 Spectrum Scale/Div 10 d Log	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Pow Avg]Hold: 300/300 Trig: Free Run .82 dB	er 123456 M₩₩₩₩₩₩		102 0 GHz 2.49 dBm ∳1
Swept SA KEYSIGHT R →→ LXI 1 Spectrum Scale/Div 10 d 0 10.0 0 -10.0	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2.	Avg Type: Log-Pow Avg]Hold: 300/300 Trig: Free Run .82 dB	er 123456 M₩₩₩₩₩₩		
Swept SA KEYSIGHT R LV/ 1 Spectrum Scale/Div 10 d d Log 10.0 -0.0 -30.0 -40.0 -50.0	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2. Ref Level 20.00	Avg Type: Log-Pow Avg Hold: 300/300 Trig: Free Run .82 dB dBm	er 123456 M₩₩₩₩₩₩		2.49 dBm ∳1
Swept SA KEYSIGHT R →→→ LV/ 1 Spectrum Scale/Div 10 d d Log 0.00 -10.0	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. Ref Level 20.00	Avg Type: Log-Pow Avg Hold: 300/300 Trig: Free Run 82 dB dBm	er 123456 M W W W W W P N N N N N 		2.49 dBm
Swept SA KEYSIGHT R →→→ LV/ 1 Spectrum Scale/Div 10 d Log 10.0 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. Ref Level 20.00	Avg Type: Log-Pow Avg Hold: 300/300 Trig: Free Run 82 dB dBm	er 123456 M W W W W W P N N N N N 		2.49 dBm
Swept SA KEYSIGHT R	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. Ref Level 20.00	Avg Type: Log-Pow Avg Hold: 300/300 Trig: Free Run 82 dB dBm	er 123456 M W W W W W P N N N N N 	3 Stop	2.49 dBm
Swept SA KEYSIGHT R	Input: RF Coupling: DC Align: Auto B B B Coupling: DC B Coupling: DC Coupling: Coupling: Couplin	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S)	02 0 GHz	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-Pow Avg Hold: 300/300 Trig: Free Run 82 dB dBm	er 123456 M W W W W W P N N N N N 	3 Stop	2.49 dBm
Swept SA KEYSIGHT R	Input: RF Coupling. DC Align: Auto B B B B B B B B B B B B B B B B B B B	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S)		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Level 20.00	Avg Type: Log-Pow Avg Hold: 300/300 Trig: Free Run .82 dB dBm	er 1 2 3 4 5 6 M W W W W W P N N N N N M W W W W W P N N N N N M W W W W W P N N N N N M W W W W W P N N N N N M W W W W W P N N N N N N	Stop Sweep 9.60 r	2.49 dBm
Swept SA KEYSIGHT R	Input: RF Coupling. DC Align: Auto B B B B B B B B B B B B B B B B B B B	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S)	02 0 GHz 00 0 GHz 90 0 GHz	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-Pow Avg Hold: 300/300 Trig: Free Run .82 dB dBm	er 1 2 3 4 5 6 M W W W W W P N N N N N M W W W W W P N N N N N M W W W W W P N N N N N M W W W W W P N N N N N M W W W W W P N N N N N N	Stop Sweep 9.60 r	2.49 dBm







Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-49.26	-20	Pass
NVNT	BLE	2442	Ant1	-48.19	-20	Pass
NVNT	BLE	2480	Ant1	-49.01	-20	Pass



