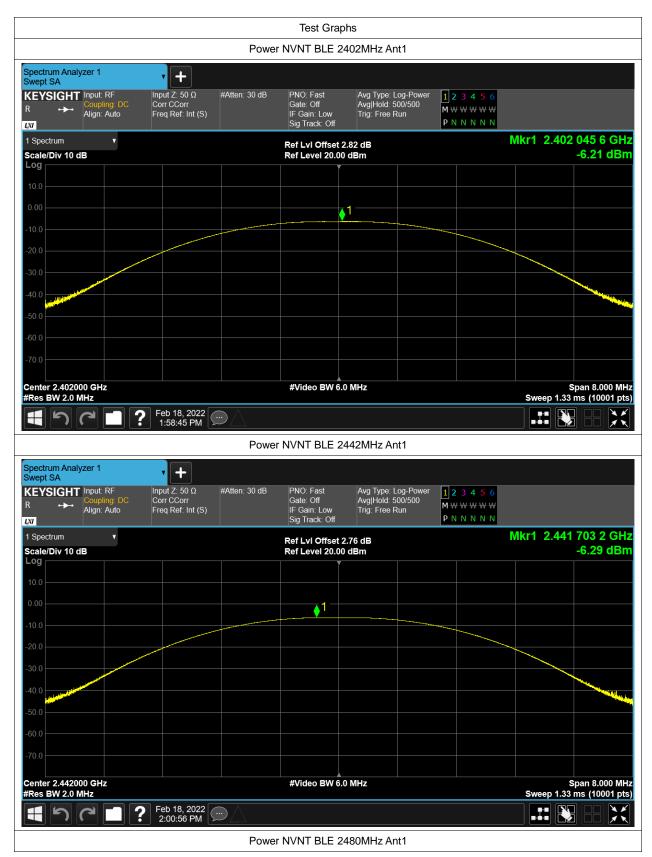
Test Data

Maximum Conducted Output Power

Condition	Mode	Frequency	Antenna	Conducted Power	Duty Factor	Total Power	Limit	Verdict
		(MHz)		(dBm)	(dB)	(dBm)	(dBm)	
NVNT	BLE	2402	Ant1	-6.208	0	-6.208	30	Pass
NVNT	BLE	2442	Ant1	-6.287	0	-6.287	30	Pass
NVNT	BLE	2480	Ant1	-5.348	0	-5.348	30	Pass











-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE	2402	Ant1	0.662	0.5	Pass
NVNT	BLE	2442	Ant1	0.669	0.5	Pass
NVNT	BLE	2480	Ant1	0.661	0.5	Pass







Spectru Occupi	um Anal ed BW	yzer 1		• +	•						
REYS	SIGHT	Input: R Couplin Align: A	g: DC	Input Z: 5 Corr CCo Freq Ref:	rr	Atten: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Freq: 2.48000000 Avg Hold: 500/500 Radio Std: None) GHz		
1 Grapt	n		•				Ref LvI Offset 2	.81 dB	М	kr3 2.48032	
	Div 10.0)dB					Ref Value 22.81	dBm		-1	1.50 dBm
Log 12.8											
2.81						$\partial^2 \partial^1$		3			
-7.19						2 V					
-17.2 - -27.2 -											
-27.2											
-47.2											
-57.2											
-67.2											
	2.4800 W 100.	00 GHz					#Video BW 300.	00 kHz		C	Span 2 MHz
		UU KHZ								Sweep 1.33 h	ns (10001 pts)
2 Metric	CS		▼								
		Occ	upied Ba	ndwidth							
				1.0572	MHz			Total Power		0.82 dBm	
			nsmit Free		_	4.287 kHz		% of OBW F	Power	99.00 %	
		x dE	3 Bandwid	dth		660.8 kHz		x dB		-6.00 dB	
	5	2	2	Feb 18, 2:03:02	2022 2 PM						



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	1.025616987
NVNT	BLE	2442	Ant1	1.02974804
NVNT	BLE	2480	Ant1	1.027364763





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Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-12.675	8	Pass
NVNT	BLE	2442	Ant1	-12.799	8	Pass
NVNT	BLE	2480	Ant1	-11.724	8	Pass











Band Edge

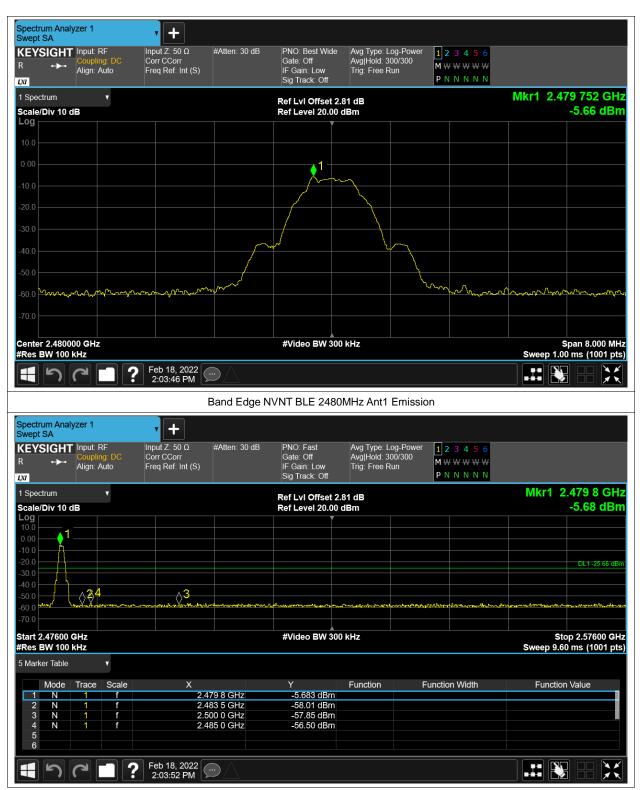
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-49.39	-20	Pass
NVNT	BLE	2480	Ant1	-50.84	-20	Pass



				Test Graph	าร		
			Band Edg	e NVNT BLE 24	102MHz Ant1 Re	ef	
Spectrum Analyze Swept SA	er 1	• +					
	nput: RF Coupling: DC Nign: 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 123456 M₩₩₩₩₩₩ PNNNNN	
1 Spectrum	•			Ref LvI Offset 2.			Mkr1 2.401 768 GHz
Scale/Div 10 dB				Ref Level 20.00	dBm		-7.09 dBm
10.0							
0.00				<u> </u>			
-10.0					~		
-20.0							
-30.0							
-40.0			$ \sim$	_/	ling		
-50.0							
-60.0	<u> </u>	mannan	m			many many marks	man and and and and
-70.0							
-10.0							
Center 2.402000 #Res BW 100 kH				#Video BW 300) kHz		Span 8.000 MHz Sweep 1.00 ms (1001 pts)
ま りで		Feb 18, 2022 1:59:46 PM	$\square \land$				
			Band Edge N	N/NT BI E 2402	MHz Ant1 Emis	sion	
	or 1		Band Edge N	NVNT BLE 2402	MHz Ant1 Emis	sion	
Spectrum Analyze Swept SA		• +					
Swept SA			Band Edge N #Atten: 30 dB	VVNT BLE 2402 PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	MHz Ant1 Emis Avg Type: Log-Pow Avg Hold: 300/300 Trig: Free Run		
Swept SA KEYSIGHT Ir R ↔ A UNI 1 Spectrum	nput: RF Coupling: DC Nign: Auto	Input Z: 50 Ω Corr CCorr		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₩₩₩₩₩₩	Mkr1 2.401 8 GHz
Swept SA KEYSIGHT Ir R	nput: RF Coupling: DC Nign: Auto	Input Z: 50 Ω Corr CCorr		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₩₩₩₩₩₩	Mkr1 2.401 8 GHz -6.83 dBm
Swept SA KEYSIGHT R	nput: RF Coupling: DC Nign: Auto	Input Z: 50 Ω Corr CCorr		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 In R	nput: RF Coupling: DC Nign: Auto	Input Z: 50 Ω Corr CCorr		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₩₩₩₩₩₩	-6.83 dBm
Swept SA KEYSIGHT R → 1 Spectrum Scale/Div 10 dB 10.0 10.0 10.0	nput: RF Coupling: DC Nign: Auto	Input Z: 50 Ω Corr CCorr		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₩₩₩₩₩₩	-6.83 dBm
Swept SA KEYSIGHT R → I Spectrum Scale/Div 10 dB Log 10.0 -20.0 -30.0	nput: RF Coupling: DC Nign: Auto	Input Z: 50 Ω Corr CCorr		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₩₩₩₩₩₩	-6.83 dBm
Swept SA KEYSIGHT R → 1 Spectrum Scale/Div 10 dB Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -70.0	nput: RF Joupping: DC Julign: 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₩₩₩₩₩₩	-6.83 dBm
Swept SA KEYSIGHT Ir R → I 1 Spectrum Scale/Div 10 dB I Scale/Div 10 dB O O O 10.0 O O O O -10.0 O	nput: RF soupling: DC lign: Auto v v v u u u u u u u u u u u u u	Input Z: 50 Ω Corr CCorr		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 dBm	er 123456 M₩₩₩₩₩₩	-6.83 dBm
Swept SA KEYSIGHT Ir R → Ir 1 Spectrum Scale/Div 10 dB Ir Scale/Div 10 dB Ir Ir 0.00	nput: RF soupling: DC lign: Auto v v v u u u u u u u u u u u u u	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₩₩₩₩₩₩	-6.83 dBm
Swept SA KEYSIGHT R 1 Spectrum Scale/Div 10 dB Log 10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Start 2.30600 GH #Res BW 100 kH 5 Marker Table Mode Tr	nput: RF ioupling: DC lign: Auto	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 Y	Avg Type: Log-Pow Avg Hold: 300/300 Trig: Free Run 82 dB dBm	er 123456 M₩₩₩₩₩₩	-6.83 dBm
Swept SA KEYSIGHT R → 1 Spectrum Scale/Div 10 dB Log 10.0 0.00 -0.0 -20.0 -30.0 -40.0 -40.0 -50.0 -60.0 -70.0 Start 2.30600 GF#Res BW 100 kH 5 Marker Table Mode Tr 1 2	nput: RF ioupling: DC lign: Auto v v v i i i i i i i i i i i i i	Input 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 0 #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	-6.83 dBm
Swept SA KEYSIGHT Ir R If I Spectrum Scale/Div 10 dB If Scale/Div 10 dB If 0.0 If 3.00 If If Scale/Div 10 dB	nput: RF isoupping: DC ligin: Auto	Input 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 Y -6.829 dBm	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	-6.83 dBm
Swept SA KEYSIGHT R → 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 GH#Res BW 100 kH 5 Marker Table Mode Th 1 2 3 3	nput: RF isouping: DC lign: Auto	Input 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-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	-6.83 dBm
Swept SA KEYSIGHT R 1 Spectrum Scale/Div 10 dB Log 10.0 0.00 -0.00	nput: RF isouping: DC lign: Auto	Input 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-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	-6.83 dBm

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Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-43.36	-20	Pass
NVNT	BLE	2442	Ant1	-44.11	-20	Pass
NVNT	BLE	2480	Ant1	-43.94	-20	Pass











