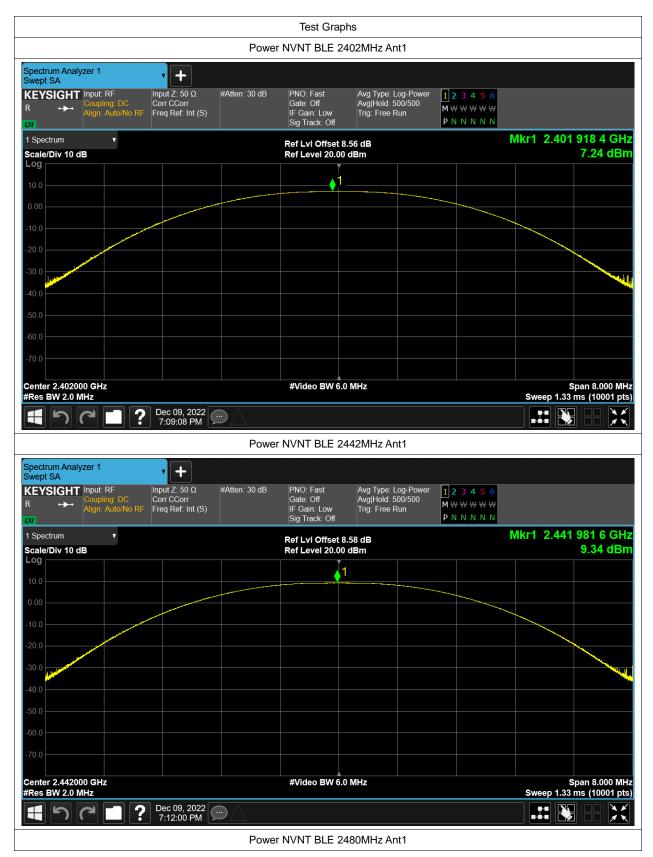


#### Test Data

# **Maximum Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	7.242	30	Pass
NVNT	BLE	2442	Ant1	9.338	30	Pass
NVNT	BLE	2480	Ant1	7.25	30	Pass







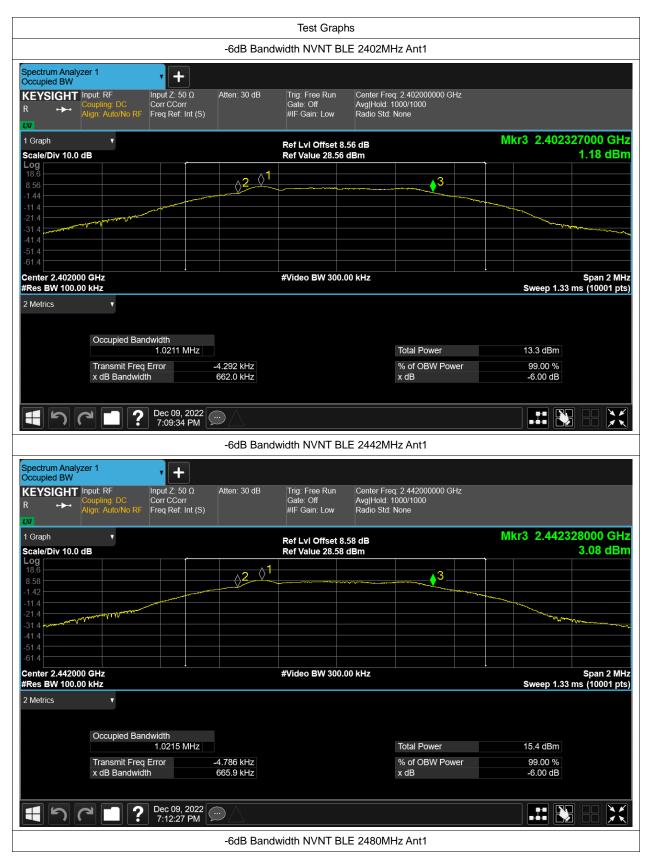




## -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	BLE	2402	Ant1	0.662	0.5	Pass
NVNT	BLE	2442	Ant1	0.666	0.5	Pass
NVNT	BLE	2480	Ant1	0.664	0.5	Pass







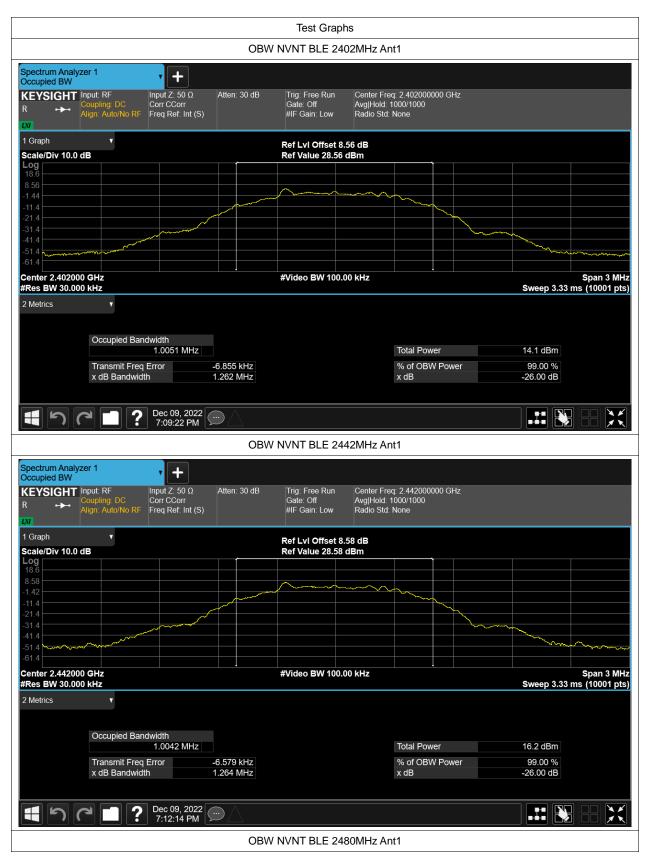
Öccup	um Anal ied BW			+								
R R	SIGHT ++-	Input: Rf Coupling Align: Au	= j: DC ito/No RF	Input Z: 50 Corr CCor Freq Ref:		Atten: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold: <sup>/</sup> Radio Std:				
1 Grap	h		v				Ref LvI Offset 8	60 dB		Mkr	3 2.48032	7000 GHz
	Div 10.0	dB					Ref Value 28.60					1.06 dBm
Log 18.6 - 8.60 -						$2 \sqrt{1}$			3			
-11.4	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	v	1 Manana								and the second of the second o	
-41.4 -51.4 -61.4												
	r 2.4800 BW 100.						#Video BW 300.	00 kHz		•	Sweep 1.33 n	Span 2 MHz ns (10001 pts)
2 Metri	ics		v									
		Осси	upied Band	dwidth 1.0184 I					Total Power			
		Turn									13.3 dBm	
			smit Freq Bandwidt			4.924 kHz 663.8 kHz			% of OBW Powe x dB		99.00 % -6.00 dB	
	5		]?	Dec 09, 7:14:57	2022 PM							



## **Occupied Channel Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	1.005
NVNT	BLE	2442	Ant1	1.004
NVNT	BLE	2480	Ant1	1.002







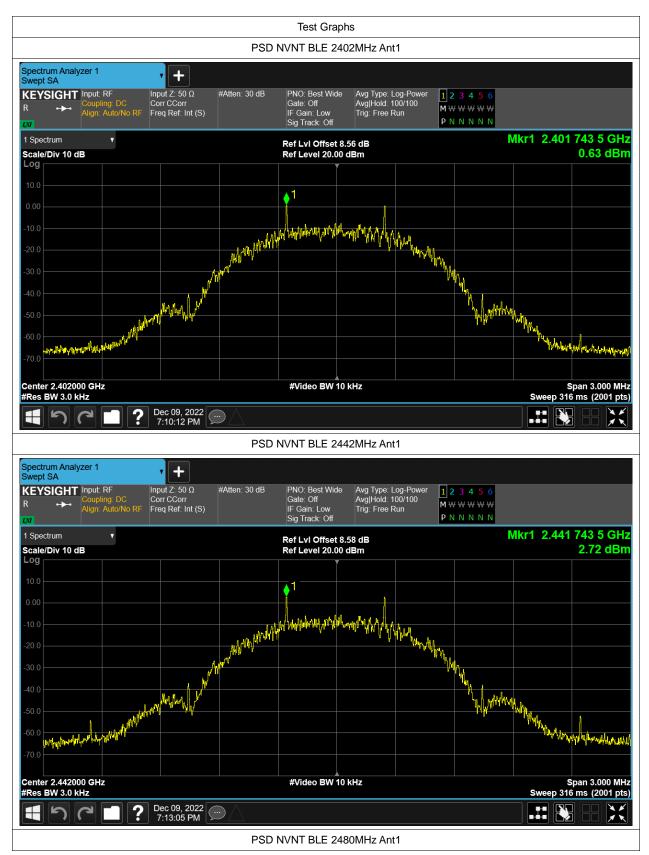
Spectru Occupi	um Analy ed BW	zer 1		• +									
REYS	SIGHT	Couplin	RF ng: DC Auto/No RF	Input Z: 50 0 Corr CCorr Freq Ref: In		n: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold: ' Radio Std:		00 GHz			
1 Grapi			v				Ref LvI Offset						
	Div 10.0	dB				_	Ref Value 28.6	0 dBm					
Log 18.6													
8.60													
-1.40 -								~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~				
-11.4					مسمسم								
-31.4				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							hormon		
-41.4			a markana and									- many	
-51.4	-~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~											~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	2.48000						#Video BW 10						Course 0 Mills
	2.48000 3W 30.00						#video Bw 10	U.UU KHZ				Sweep 3.33	Span 3 MHz ms (10001 pts)
2 Metri			<b>v</b>										
_													
		Oco	cupied Ban	dwidth 1.0016 MI					Total Powe			14.1 dBm	
			nsmit Freq B Bandwidt			7 kHz 3 MHz			% of OBW x dB	/ Power		99.00 % -26.00 dB	
		xu			1.200				n db				
	ょ)		2	Dec 09, 20 7:14:44 F	)22 M	$\Delta$							



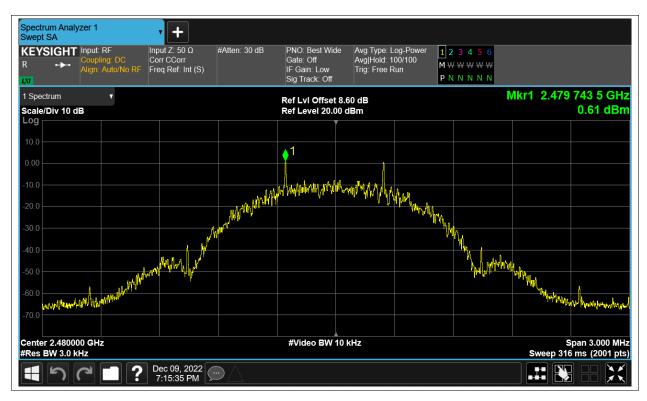
# **Maximum Power Spectral Density Level**

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	0.631	8	Pass
NVNT	BLE	2442	Ant1	2.721	8	Pass
NVNT	BLE	2480	Ant1	0.607	8	Pass











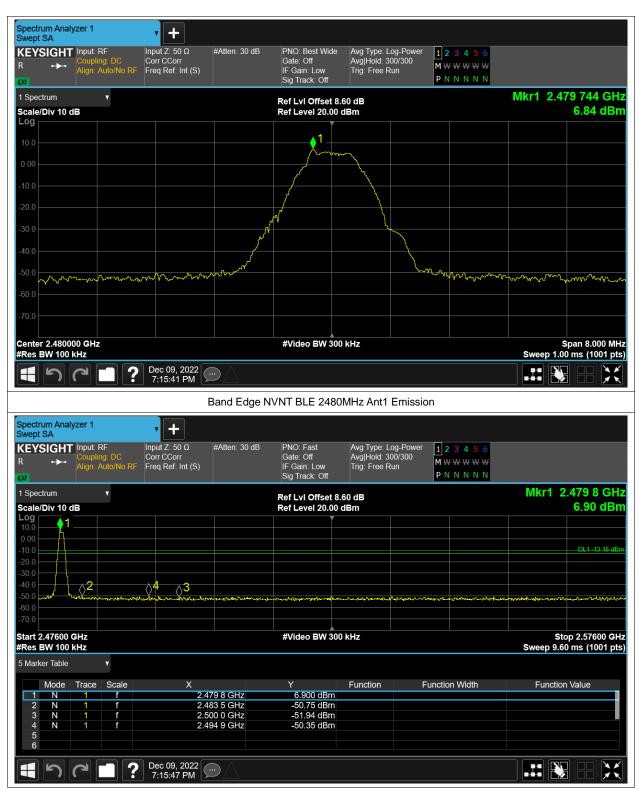
## **Band Edge**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-57.43	-20	Pass
NVNT	BLE	2480	Ant1	-57.19	-20	Pass



			Test Grap	าร			
		Band Edge	e NVNT BLE 24	102MHz Ant1 Ref			
Spectrum Analyzer 1 Swept SA	<b>+</b>						
KEYSIGHT Input: RF R ↔ Coupling: DC Align: Auto/No I	Input Ζ: 50 Ω Corr CCorr RF 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	123456 M \ w w w w w P N N N N N		
1 Spectrum v Scale/Div 10 dB			Ref LvI Offset 8. Ref Level 20.00			Mkr1 2.401 75 6.88	2 GHz 3 dBm
Log							
10.0				m			
-10.0							
-20.0							
-30.0			ſ,	\			
-40.0		5					
-50.0	0.00 0.0000.000	mm			Marchine	Var Mar Mar Mar Mar Mar Mar Mar Mar Mar M	
-60.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				•	And a many man	ግለባ ሥላታለ
-70.0							
Center 2.402000 GHz			#Video BW 300	) kHz		Span 8.0	000 MHz
#Res BW 100 kHz	<b>9</b> Dec 09, 2022					Sweep 1.00 ms (1	
	<b>?</b> Dec 09, 2022 7:10:18 PM						
		Band Edge N	IVNT BLE 2402	MHz Ant1 Emissi	on		
Spectrum Analyzer 1 Swept SA	• +						
R + Auto/No l	Input Ζ: 50 Ω Corr CCorr RF Freq Ref: Int (S)	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold: 300/300 Trig: Free Run	123456 M\#\#\#\# PNNNNN		
1 Spectrum ▼ Scale/Div 10 dB			Ref LvI Offset 8. Ref Level 20.00			Mkr1 2.401	7 GHz 9 dBm
Log 10.0			ļ				<b>1</b>
0.00						DL1-	13.12 dBm
-20.0							$\square$
-40.0 -50.0	๛๗๖๚๚๛๛๛๛๛๛๛๛	Margaral and a second	enteresses and	๛๛ๅ๛๚๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛	mprocedure the sector of the s	wall-web-states and states to state	2
-60.0							
-70.0							
			#Video BW 300	) kHz		Stop 2.40 Sweep 9.60 ms (1	
-70.0 Start 2.30600 GHz			#Video BW 300	) kHz		Stop 2.400 Sweep 9.60 ms (1	
-70.0 Start 2.30600 GHz #Res BW 100 kHz 5 Marker Table Mode Trace Scale		01 7 GHz	Y		Function Width		
-70.0 Start 2.30600 GHz #Res BW 100 kHz 5 Marker Table Mode Trace Scale 1 N 1 f 2 N 1 f 3 N 1 f	2.4 2.4 2.3	01 7 GHz 00 0 GHz 90 0 GHz	Y 6.889 dBm -51.56 dBm -52.44 dBm		Function Width	Sweep 9.60 ms (1	
-70.0 Start 2.30600 GHz #Res BW 100 kHz 5 Marker Table Mode Trace Scale 1 N 1 f 2 N 1 f 3 N 1 f 4 N 1 f	2.4 2.4 2.3	00 0 GHz	Y 6.889 dBm -51.56 dBm		Function Width	Sweep 9.60 ms (1	
-70.0 Start 2.30600 GHz #Res BW 100 kHz 5 Marker Table Mode Trace Scale 1 N 1 f 2 N 1 f 3 N 1 f 4 N 1 f 5 6 6 6	2.4 2.4 2.3 2.3 Dec 09, 2022	00 0 GHz 90 0 GHz 79 1 GHz	Y 6.889 dBm -51.56 dBm -52.44 dBm		Function Width	Sweep 9.60 ms (1	
-70.0 Start 2.30600 GHz #Res BW 100 kHz 5 Marker Table Mode Trace Scale 1 N 1 f 2 N 1 f 3 N 1 f 4 N 1 f 5 6 6 6	2.4 2.4 2.3 2.3	00 0 GHz 90 0 GHz 79 1 GHz	Y 6.889 dBm -51.56 dBm -52.44 dBm -50.55 dBm		Function Width	Sweep 9.60 ms (1	







# **Conducted RF Spurious Emission**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-50.36	-20	Pass
NVNT	BLE	2442	Ant1	-52.48	-20	Pass
NVNT	BLE	2480	Ant1	-49.58	-20	Pass











