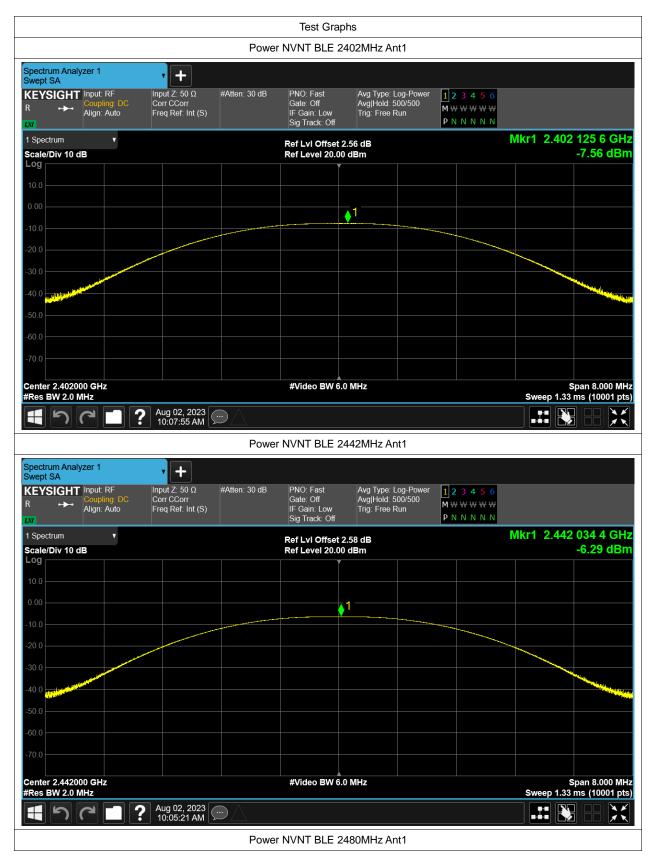


Test Data

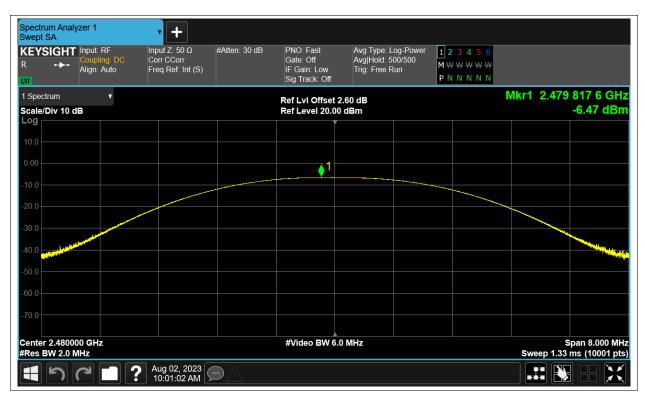
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-7.564	30	Pass
NVNT	BLE	2442	Ant1	-6.29	30	Pass
NVNT	BLE	2480	Ant1	-6.473	30	Pass











-6dB Bandwidth

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







Spectru Occupi		yzer 1		• +	•							
R R	SIGHT →→	Input: F Couplin Align: A	ig: DC	Input Z: 50 Corr CCor Freq Ref:		Atten: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold: Radio Std:				
1 Graph	1	_	•				Ref LvI Offset 2	2.60 dB		M	kr3 2.4803	
	Div 10.0	dB					Ref Value 22.60				-	12.42 dBm
Log 12.6												
2.60						<u>∂</u> 2			 3 _ _			
-7.40												
-27.4											and the second s	
-37.4 -	***/**********************************										and the second s	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-57.4												
-67.4												
	2.4800 W 100.						#Video BW 300	.00 kHz			Sweep 1.33	Span 2 MHz ms (10001 pts)
2 Metric	cs		v									
		Occ	cupied Bar	ndwidth								
				1.0519	MHz				Total Power		-0.33 dBm	
			nsmit Fred			1.398 kHz			% of OBW Power		99.00 %	
		x dł	B Bandwic	ith	(661.8 kHz			x dB		-6.00 dB	
	ら	C	- ?	Aug 02, 10:01:2	2023 9 AM							



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	1.023
NVNT	BLE	2442	Ant1	1.023
NVNT	BLE	2480	Ant1	1.022







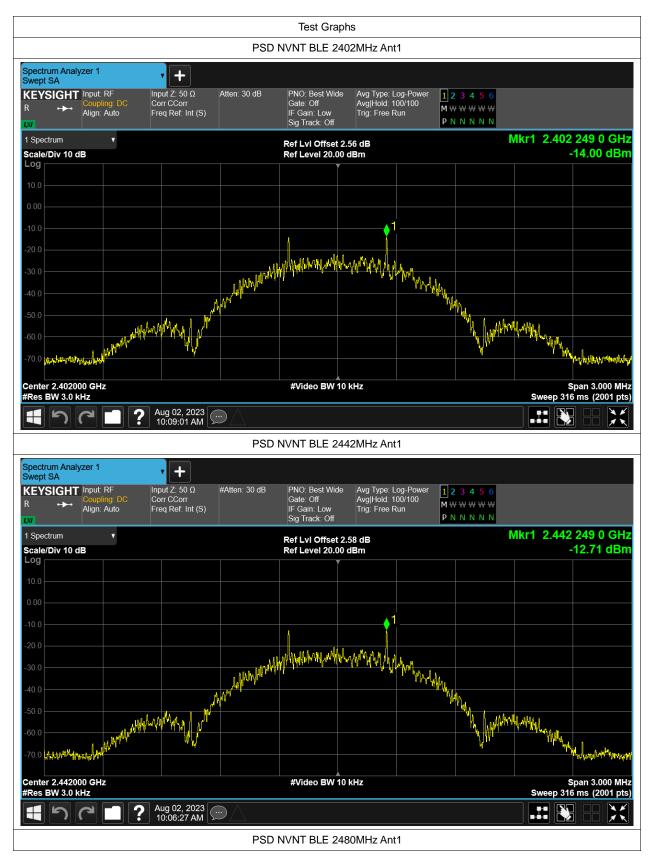
Occup	um Analy ied BW			• +										
R R	SIGHT .≁·	Input: I Couplii Align: <i>I</i>	ng: DC	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S)	Atten	: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low	Av	nter Freq g Hold: 10 idio Std: N		00 GH	z		
1 Grap			V				Ref LvI Offset							
	/Div 10.0	dB					Ref Value 22.0	60 dBm						
Log 12.6														
2.60														
-7.40									-					
-17.4						0			\sim	-				
-27.4					مسمسم					~~	and the second			
-37.4			\sim	\sim								1	~~~	
-47.4			and the second s									A company of the second		
-57.4 -67.4	~~~~~	~~~~~~~~												
	r 2.48000 BW 30.00						#Video BW 10	00.00 KH	Z				Succes 2.22	Span 3 MHz ns (10001 pts)
													Sweep 3.33	ns (10001 pts)
2 Metr	ics		T											
		00	cupied Ban	du ridtle										
		UC	cupied barr	1.0222 MHz						Total Powe	er		0.57 dBm	
		Tra	ansmit Freq	Error	46	51 Hz				% of OBW	Powe	er	99.00 %	
			B Bandwidt		1.279					x dB			-26.00 dB	
	5	2	2	Aug 02, 2023 10:01:17 AM))									



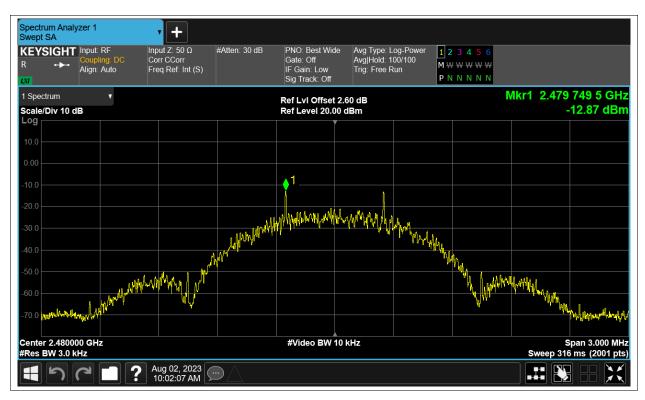
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-14.002	8	Pass
NVNT	BLE	2442	Ant1	-12.709	8	Pass
NVNT	BLE	2480	Ant1	-12.868	8	Pass











Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-45.09	-20	Pass
NVNT	BLE	2480	Ant1	-47.08	-20	Pass



Band Edge NVNT BLE 2402MHz Ant1 Ref Spectrum Analyzer 1 Swept SA KEYSIGHT Input RF R Coupling: DC Align: Auto Ref Lvi Offset 2.56 dB Ref Level 20.00 dBm Mkr1 2.402 0 Scale/Div 10 dB Ref Lvi Offset 2.56 dB Ref Level 20.00 dBm 00000000000000000000000000000000000	00 GHz 7 dBm
Swept SA Input RF Coupling: DC Align: Auto Input Z: 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-Power Avg Hold: 300/300 Trig: Free Run 1 2 3 4 5 6 M W W W W P N N N N 1 Spectrum • Scale/Div 10 dB • •	
KEYSIGHT R Input RF Coupling: DC Align: Auto Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) #Atten: 30 dB Freq Ref: Int (S) PNO: Best Wide Gate: Off Freq Ref: Low Sig Track: Off Avg Type: Log-Power Avg[Hold: 300/300 Trig: Free Run 1 2 3 4 5 6 M \u00ef W \u00ef W \u00ef W P N N N N 1 Spectrum Ref Lvi Offset 2.56 dB Ref Level 20.00 dBm Mkr1 2.402 0 0.00 10.0 10.0 11.0	
Scale/Div 10 dB Ref Level 20.00 dBm -8.2 Log 0.00 1 1 1	
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-0.0 -60.0 May many many many many many many many ma	1 a proven
-70.0	
	3.000 MHz
#Res BW 100 kHz Sweep 1.00 ms	1001 pts)
Band Edge NVNT BLE 2402MHz Ant1 Emission	
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 Freq Ref: Int (S) B Freq Ref: Int (S) B Freq Ref: Int (S) M ₩ ₩ ₩ ₩ V/ No No No No No No No	
1 Spectrum Ref LvI Offset 2.56 dB Mkr1 2.401	
Log	2 dBm
	1
-10.0	
20.0	1 -28.27 dBm
-20.0	
-20.0	1-28.27 dBm
-200 -300 -400 -500 -600 -700	2
-200 -300 -400 -500 -600 -700	0600 GHz
-200 -300 -400 -500 -500 -700 Start 2.30600 GHz #Video EW 300 kHz Stop 2.4	0600 GHz
200 -30.0 -40.0 -50.0 -60.0 -70.0 Start 2.30600 GHz #Res BW 100 kHz	0600 GHz (1001 pts)
-200 -30.0 -40.0 -44 -33.0 -400 -50.0 -40.0 -44 -33.0 -500 -60.0 -40.0 -44 -33.0 -700 -70.0 -70.0 -70.0 -70.0 Start 2.30600 GHz #Video BW 300 kHz Stop 2.4 Start 2.30600 GHz -70.0 -70.0 Mode Trace Scale X Y Function Function Vidth Function Vidth Function Value 1 N 1 2 N 1 3 N 1 3 N 1 3 N 1 4 -55.96 dBm 3 1 1	0600 GHz (1001 pts)
-200 -30.0 -40.0 -41.0 -44.0 -33.0 -600 -60.0 -70.0 -41.0 -44.0 -44.0 -600 -70.0 -70.0 -70.0 -70.0 -70.0 Start 2.30600 GHz #Video BW 300 kHz Stop 2.4 Start 2.30600 GHz -70.0 -70.0 -70.0 Start 2.30600 GHz #Video BW 300 kHz Stop 2.4 Start 2.30600 GHz -70.0 -70.0 Start 2.3000 GHz -70.0 -70.0 N 1 1 2.400 0 GHz -55.96 dBm -75.96 dBm -75.96 dBm 3 N 1 1 4 N 1 1 5 -75.96 dBm -75.306 dBm 5 -75.306 dBm -75.306 dBm	0600 GHz (1001 pts)
200 30.0 40.0 44 33 40.0 -50.0 -40.0 -44 33 -50.0 -70.0 -70.0 -70.0 -70.0 Start 2.30600 GHz #Video BW 300 kHz Stop 2.4 Start 2.30600 GHz -70.0 -70.0 Start 2.30600 GHz -70.0 -70.0 Mode Trace Scale X Y Function Function Function Vidth V -70.0	0600 GHz (1001 pts)







Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-40.91	-20	Pass
NVNT	BLE	2442	Ant1	-42.03	-20	Pass
NVNT	BLE	2480	Ant1	-40.64	-20	Pass







