

Test Data

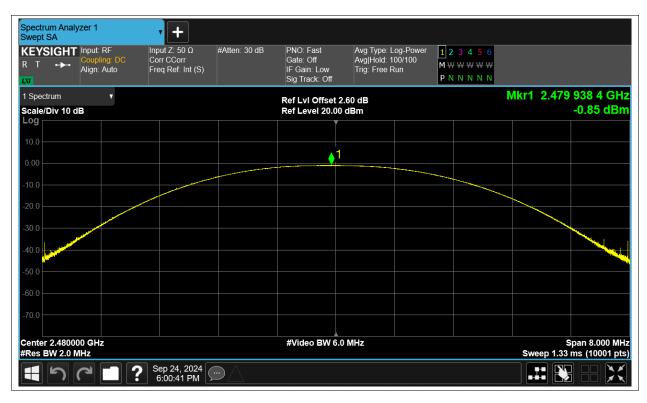
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	0.546	30	Pass
NVNT	BLE	2442	Ant1	-0.497	30	Pass
NVNT	BLE	2480	Ant1	-0.854	30	Pass



		Power	Test Grap				
Spectrum Analyzer 1	+						
Swept SA KEYSIGHT Input: RF R T +++ Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S)	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run	1 2 3 4 5 6 M ₩ ₩ ₩ ₩ ₩ P N N N N N		
1 Spectrum v Scale/Div 10 dB			Ref LvI Offset 2			Mkr1 2.401	956 8 GHz 0.55 dBm
			Ref Level 20.00	Jabm			0.55 0.51
10.0				 			
0.00							
-10.0							
-30.0							
-40.0							and the second s
-50.0							
-60.0							
-70.0							
Center 2.402000 GHz			#Video BW 6.	0 MHz		s	pan 8.000 MHz
	? Sep 24, 2024					Sweep 1.33	ms (10001 pts)
	5:55:23 PM						
		Damas					
Speatrum Applyzer 1		Power	NVNT BLE 2	442MHz Ant1			
Spectrum Analyzer 1 Swept SA	1 1 1 1 1 1 1 1 1 1						
	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S)	Power #Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	442MHz Ant1 Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run	123456 M₩₩₩₩₩₩ PNNNNN		
Swept SA KEYSIGHT Input: RF Coupling: DC Align: Auto Scale/Div 10 dB	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 2.58 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$	Mkr1 2.441	949 6 GHz -0.50 dBm
Swept SA KEYSIGHT R T ↔ Coupling: DC Align: Auto 1 Spectrum	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 2.58 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$		
Swept SA KEYSIGHT R T ↔ Coupling: DC Align: Auto 1 Spectrum Scale/Div 10 dB	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 2.58 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$		
Swept SA KEYSIGHT Input: RF R T KT R T Scale/Div 10 dB Log 10.0	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 2.58 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$		
Swept SA KEYSIGHT R T + August RF Coupling: DC Align: Auto I Spectrum V Scale/Div 10 dB Log 10.0 0.00	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 2.58 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$		
Swept SA KEYSIGHT R T → Input: RF Coupling: DC Align: Auto IN Scale/Div 10 dB Log 10.0 -10.0	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 2.58 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$		
Swept SA Input: RF R T →→ Input: RF 1 Spectrum ▼ Scale/Div 10 dB ■ 10.0 ■ ■ ■ 10.0 ■ ■ ■ -10.0 ■ ■ ■ -30.0 ■ ■ ■	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 2.58 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$		
Swept SA KEYSIGHT R T I Spectrum 1 Spectrum 200	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 2.58 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$		
Swept SA KEYSIGHT R T 1 Spectrum 1 Spectrum 1 Spectrum 10.0	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 2.58 dB	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$		
Swept SA KEYSIGHT R T 1 Spectrum 1 Spectrum 1 Spectrum 1 Spectrum 10.0	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Level 20.00	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 2.58 dB 0 dBm	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$	Mkr1 2.441	-0.50 dBm
Swept SA KEYSIGHT R T 1 Spectrum 1 Spectrum 1 Spectrum 10.0	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 2.58 dB 0 dBm	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$	Mkr1 2.441	
Swept SA KEYSIGHT R T I Spectrum 1 Spectrum Scale/Div 10 dB Log 10.0 -10.0 -30.0 -30.0 -60.0 -70.0 Center 2.442000 GHz #Res BW 2.0 MHz	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-Power Avg Hold: 100/100 Trig: Free Run 2.58 dB 0 dBm	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$	Mkr1 2.441	-0.50 dBm







-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	0.661	0.5	Pass
NVNT	BLE	2480	Ant1	0.662	0.5	Pass







Spectru Occupi	um Analy ed BW	zer 1		• +								
KEYS R T	SIGHT	Input: F Couplin Align: A	ig: DC	Input Z: 50 Corr CCor Freq Ref:	r	Atten: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold: Radio Std:		lz		
1 Grapi	า		•				Ref LvI Offset	2.60 dB		Μ	kr3 2.48032	4000 GHz
	Div 10.0	dB					Ref Value 22.60					-6.87 dBm
Log 12.6 2.60						<u> </u>			3-			
-7.40 - -17.4 - -27.4 -			- 24 D Marin									
-37.4	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1997799	MM									
-57.4 -67.4												
	2.48000 3W 100.0						#Video BW 300	.00 kHz		·	Sweep 1.33 n	Span 2 MHz ns (10001 pts)
2 Metrie	cs		•									
		Occ	upied Ban	dwidth 1.0270 I	MHz				Total Power		5.28 dBm	
			nsmit Freq 3 Bandwidt			7.436 kHz 662.0 kHz			% of OBW Power x dB	er	99.00 % -6.00 dB	
	5	2	?	Sep 24, 6:01:08	2024 8 PM							



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	1.004
NVNT	BLE	2442	Ant1	1.004
NVNT	BLE	2480	Ant1	1.003







Spectrur Occupie	d BW			• +										
KEYSI R T	IGHT ↔	Input: RF Coupling: Align: Aut	DC	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S)	Atter	n: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low		Center Frec Avg Hold: 1 Radio Std: I	000/1000	000 GI	Ηz		
1 Graph		•					Ref LvI Offset	t 2.6) dB					
Scale/D	iv 10.0	dB					Ref Value 22.0	60 d	Bm					
Log 12.6														
2.60														
-7.40						~~~	\sim	~~~~	~~~~~	~~				
-17.4					مسر	~~~~								
-27.4 — -37.4 —				<i>(</i>										
-47.4			~									hann	~~	
	\sim	m	and the second s										- The second	man from the second sec
-67.4	1001010													
Center 2	2.48000	0 GHz					#Video BW 91	.000	kHz					Span 3 MHz
#Res BV	N 30.00	0 kHz											Sweep 3.33	ms (10001 pts)
2 Metrics	;	•												
		Occu	pied Band							T D				
				1.0032 MHz						Total Pov			6.33 dBm	
			mit Freq E		-7.666					% of OB	V Pow	/er	99.00 %	
		x aB I	Bandwidth		1.239	MHZ				x dB			-26.00 dB	
	5]?	Sep 24, 2024 6:00:55 PM		Δ								



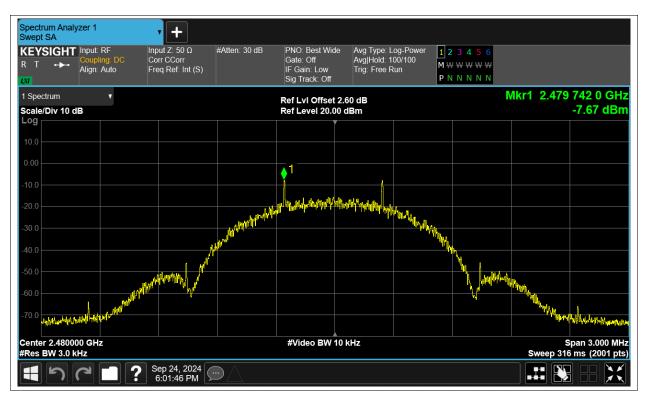
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-6.268	8	Pass
NVNT	BLE	2442	Ant1	-7.337	8	Pass
NVNT	BLE	2480	Ant1	-7.674	8	Pass











Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-54.54	-20	Pass
NVNT	BLE	2480	Ant1	-54.67	-20	Pass



			Test Grap	ohs		
		Band Edge	NVNT BLE 2	402MHz Ant1 F	Ref	
Spectrum Analyzer 1 Swept SA	• +					
KEYSIGHT Input: RF R T ↔ 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-Pc Avg Hold: 300/30 Trig: Free Run		
1 Spectrum			Ref Lvi Offset 2			Mkr1 2.401 744 GHz
Scale/Div 10 dB Log			Ref Level 20.00	aBm		0.15 dBm
10.0						
0.00				\sim		
-10.0						
-20.0						
-30.0		/				
-40.0						
-50.0	a. takatik sa shahesihili.w	Nowwhent			Mangher and a marked and a local state and a loc	na tura
-60.0	and and a second se					nues e estana de la secolaria al contra tarra de la contra de
-70.0						
Center 2.402000 GHz #Res BW 100 kHz			#Video BW 30	0 kHz		Span 8.000 MHz #Sweep 50.0 ms (1001 pts)
	Sep 24, 2024 6:05:18 PM	$\overline{\mathbf{D}}$				
	E	Band Edge N	VNT BLE 2402	2MHz Ant1 Emi	ssion	
Spectrum Analyzer 1		3and Edge N ^v	VNT BLE 2402	2MHz Ant1 Emi	ssion	
Swept SA	τ	Band Edge N	PNO: Fast	Avg Type: Log-Po	wer 123456	
Swept SA KEYSIGHT Input: RF Coupling: DC Align: Auto	▼ +	_	PNO: Fast Gate: Off IF Gain: Low		$ \begin{array}{c} 1 & 2 & 3 & 4 & 5 & 6 \\ \hline M & W & W & W & W \end{array} $	
Swept SA KEYSIGHT Input: RF R T Coupling: DC	Input Z: 50 Ω Corr CCorr	_	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Po Avg Hold: 300/30 Trig: Free Run	wer 123456	Mkr1 2.401 7 GHz
Swept SA KEYSIGHT Input: RF R T + Coupling: DC Align: Auto	Input Z: 50 Ω Corr CCorr	_	PNO: Fast Gate: Off IF Gain: Low	Avg Type: Log-Pc Avg]Hold: 300/30 Trig: Free Run 2.56 dB	$ \begin{array}{c} 1 & 2 & 3 & 4 & 5 & 6 \\ \hline M & W & W & W & W \end{array} $	Mkr1 2.401 7 GHz 0.12 dBm
Swept SA KEYSIGHT Input: RF R T Coupling: DC Align: Auto 1 Spectrum Scale/Div 10 dB	Input Z: 50 Ω Corr CCorr	_	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2	Avg Type: Log-Pc Avg]Hold: 300/30 Trig: Free Run 2.56 dB	$ \begin{array}{c} 1 & 2 & 3 & 4 & 5 & 6 \\ \hline M & W & W & W & W \end{array} $	
Swept SA KEYSIGHT Input: RF Coupling: DC Align: Auto Scale/Div 10 dB Log 10.0	Input Z: 50 Ω Corr CCorr	_	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2	Avg Type: Log-Pc Avg]Hold: 300/30 Trig: Free Run 2.56 dB	$ \begin{array}{c} 1 & 2 & 3 & 4 & 5 & 6 \\ \hline M & W & W & W & W \end{array} $	
Swept SA KEYSIGHT Input: RF R T I Coupling: DC Align: Auto V 1 Spectrum V Scale/Div 10 dB Log 10.0 -10.0	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-Pc Avg]Hold: 300/30 Trig: Free Run 2.56 dB	$ \begin{array}{c} 1 & 2 & 3 & 4 & 5 & 6 \\ \hline M & W & W & W & W \end{array} $	0.12 dBm
Swept SA KEYSIGHT Input: RF R T → Aign: Auto I Spectrum ▼ Scale/Div 10 dB □ □ 10.0 □ □ -10.0 □ □ □ -20.0 □ □ □	Input Z: 50 Ω Corr CCorr	_	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2	Avg Type: Log-Pc Avg]Hold: 300/30 Trig: Free Run 2.56 dB	$ \begin{array}{c} 1 & 2 & 3 & 4 & 5 & 6 \\ \hline M & W & W & W & W \end{array} $	0.12 dBm
Swept SA KEYSIGHT Input: RF R T →→ Coupling: DC Align: Auto I Spectrum ▼ Scale/Div 10 dB ■ ■ 10.0 ■ ■ -10.0 ■ ■ -30.0 ■ ■ -40.0 ■ ■ -70.0 ■ ■	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-Pc Avg Hold: 300/30 Trig: Free Run 2.56 dB dBm	$ \begin{array}{c} 1 & 2 & 3 & 4 & 5 & 6 \\ \hline M & W & W & W & W \end{array} $	0.12 dBm
Swept SA KEYSIGHT Input: RF R T →→ Coupling: DC Align: Auto I Spectrum ▼ Scale/Div 10 dB ▼ Scale/Div 10 dB Log □ □ 10.0 □ □ -10.0 □ □ -30.0 □ □ -40.0 □ □ -70.0 □ □ Start 2.30600 GHz #Res BW 100 kHz □	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-Pc Avg Hold: 300/30 Trig: Free Run 2.56 dB dBm	$ \begin{array}{c} 1 & 2 & 3 & 4 & 5 & 6 \\ \hline M & W & W & W & W \end{array} $	0.12 dBm
Swept SA KEYSIGHT Input: RF R T T 1 Spectrum V Scale/Div 10 dB 0 Log 1 10.0 1	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	Avg Type: Log-Pc Avg Hold: 300/30 Trig: Free Run 2.56 dB 0 dBm	Image: 1 2 3 4 5 6 M W W W W W P N N N N N	0.12 dBm
Swept SA KEYSIGHT Input: RF R T →→ Coupling: DC Align: Auto I Spectrum ▼ Scale/Div 10 dB ■ ■ Log □ □ 10.0 □ □ -10.0 □ □ -20.0 □ □ -30.0 □ □ -70.0 □ □ Start 2.30600 GHz ▼ #Res BW 100 kHz ▼ 5 Marker Table ▼ Mode Trace Scale	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	Avg Type: Log-Pc Avg Hold: 300/30 Trig: Free Run 2.56 dB dBm	$ \begin{array}{c} 1 & 2 & 3 & 4 & 5 & 6 \\ \hline M & W & W & W & W \end{array} $	0.12 dBm
Swept SA Input: RF R T → Coupling: DC Align: Auto 1 Spectrum ▼ Scale/Div 10 dB ■ ■ Log □ □ 10.0 □ □ -20.0 □ □ -30.0 □ □ -40.0 □ □ -50.0 □ □ -60.0 □ □ -70.0 □ □ Start 2.30600 GHz #Res BW 100 kHz ▼ 5 Marker Table ▼ Mode Trace Scale 1 1 f 3 1 f	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 30 #Video BW 30	Avg Type: Log-Pc Avg Hold: 300/30 Trig: Free Run 2.56 dB 0 dBm	Image: 1 2 3 4 5 6 M W W W W W P N N N N N	0.12 dBm
Swept SA KEYSIGHT Input: RF R T → Gouping: DC Align: Auto I Spectrum v Scale/Div 10 dB 0 0 Log 0 0 10.0 0 0 -20.0 -30.0 -40.0 -30.0 -40.0 -40.0 -70.0	Linput Z: 50 Ω Corr CCorr Freq Ref: Int (S)	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Level 20.00 #Video BW 30 * Video BW 30	Avg Type: Log-Pc Avg Hold: 300/30 Trig: Free Run 2.56 dB 0 dBm	Image: 1 2 3 4 5 6 M W W W W W P N N N N N	0.12 dBm
Swept SA KEYSIGHT Input: RF R T →→ Coupling: DC Align: Auto I Spectrum ▼ Scale/Div 10 dB ✓ Log □ □ 10.0 □ □ 20.0 □ □ 30.0 □ □ 40.0 □ □ 50.0 □ □ Start 2.30600 GHz ▼ ¥Res BW 100 kHz ▼ Mode Trace Scale 1 1 f 4 1 f	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 30 #Video BW 30	Avg Type: Log-Pc Avg Hold: 300/30 Trig: Free Run 2.56 dB 0 dBm	Image: 1 2 3 4 5 6 M W W W W W P N N N N N	0.12 dBm



Report No.: JYTSZ-R12-2401130

Spectr Swept	um Analy SA	zer 1	,	+							
RΤ	SIGHT • → ••	Input: RF Coupling: DC Align: Auto	Cor	ut Z: 50 Ω r CCorr q Ref: Int (S)	#Atten: 30 dB	PNO: Best Wid Gate: Off IF Gain: Low	le Avg Type: I Avg Hold: 3 Trig: Free F	300/300	1 2 3 4 5 6 M₩₩₩₩₩₩ P N N N N N		
1 Spec	trum	▼				Sig Track: Off			P IN IN IN IN IN	Mkr1 2.479 74	
	/Div 10 c					Ref LvI Offset Ref Level 20.0					0 dBm
Log							/				
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-50.0 -											
-60.0	whenter	mouth War Ann	r-lingliter	http: ort-pressourt for the over	Jugh & Martin Print			V _{Mu}	and the state of the second of the second se	with hills fly at a shake have	Angther
-70.0 -											
	r 2.4800 BW 100					#Video BW 3	00 kHz			Span 8 #Sweep 100 ms (*	.000 MHz 1001 pts)
	ち		? Se	p 24, 2024 :02:22 PM	\square						\mathbf{X}
					Band Edge N	VNT BLE 24	80MHz Ant1	Emissio	n		
	um Analy	zer 1		+							
Swept		Input: RF	Inpl	ut Z: 50 Ω	#Atten: 30 dB	PNO: Fast	Avg Type: I	og-Power	123456		
RΤ	→-	Coupling: DC Align: Auto	Cor	r CCorr q Ref: Int (S)		Gate: Off IF Gain: Low Sig Track: Off	Avg Hold: 3 Trig: Free F	300/300	M \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
1 Spec	trum	▼								Mkr1 2.479	7 GHz
	/Div 10 c					Ref LvI Offset Ref Level 20.0					9 dBm
Log	. 1										
0.00	_ <u>_</u>										
-10.0 -20.0										DL1	-21.30 dBm
-30.0											
-40.0 -50.0	- { }	A 2	_ <mark>∖</mark> 4	3							
-60.0	hu l	2 	man	-se-mon mon	๛ฦ๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛	+#YIntellationary.Hydrocold	ละกะทำสารได้เก _{าเป็นส} ารได้แข _้ าสัญญา	trolan months	مىرىمىيەرومەيھەللارىيەم مىرىمەرمىيە	and an address of the second	۵۰۰۵٬۳۹۱٬۳۹۱٬۳۹۱٬۳۹۱
-70.0											
	2.47600 BW 100					#Video BW 3	00 kHz			Stop 2.57 #Sweep 100 ms (*	
5 Mark	er Table	•									
	Mode	Trace Scal	е	Х		Y	Function	F	unction Width	Function Value	
1	N N	1 f 1 f			79 7 GHz 83 5 GHz	-1.289 dBn -58.62 dBn					
3	Ν	1 f		2.5	00 0 GHz	-56.35 dBn	า				
4 5	N	1 f		2.4	91 5 GHz	-55.97 dBn	n				
6											
H	5		? Se	p 24, 2024 :02:55 PM							X



Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-50.15	-20	Pass
NVNT	BLE	2442	Ant1	-48.21	-20	Pass
NVNT	BLE	2480	Ant1	-47.5	-20	Pass



			Test Graph	IS		
		Tx. Spuriou	us NVNT BLE 24	402MHz Ant1 Ref		
Spectrum Analyzer 1 Swept SA	• +					
KEYSIGHT Input: RF R T ↔ 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 W P N N N N N	
1 Spectrum v Scale/Div 10 dB			Ref LvI Offset 2.			Mkr1 2.401 743 5 GHz 0.09 dBm
			Ref Level 20.00 c			
10.0		<u></u> 1				
0.00					al and a second and a second and a second a se	
-10.0						
-20.0						
-30.0						haya
-40.0						
-50.0						
-60.0						
-70.0						
Center 2.4020000 GHz #Res BW 100 kHz			#Video BW 300	kHz		Span 1.500 MHz Sweep 1.00 ms (1001 pts)
	Sep 24, 2024 5:57:13 PM					
	• 5.57.15 FWI					
	т	v Sourious I		MHz Ant1 Emiss	ion	
Spectrum Applyzer 1		x. Spurious I	NVNT BLE 2402	2MHz Ant1 Emiss	ion	
Spectrum Analyzer 1 Swept SA	•	·				
		x. Spurious I #Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	2MHz Ant1 Emiss Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run		
Swept SA KEYSIGHT R T Align: Auto LV 1 Spectrum	Input Z: 50 Ω Corr CCorr	·	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Lvl Offset 2.3	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB	1 23456 M₩₩₩₩₩₩	Mkr1 2.402 GHz
Swept SA KEYSIGHT Input: RF R T Align: Auto I Spectrum Scale/Div 10 dB Log	Input Z: 50 Ω Corr CCorr	·	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB	1 23456 M₩₩₩₩₩₩	Mkr1 2.402 GHz -0.29 dBm
Swept SA KEYSIGHT R T → Coupling: DC Align: Auto I Spectrum Scale/Div 10 dB Log 0.00	Input Z: 50 Ω Corr CCorr	·	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Lvl Offset 2.3	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB	1 23456 M₩₩₩₩₩₩	
Swept SA KEYSIGHT Input: RF R T → I Spectrum ▼ Scale/Div 10 dB 1 Log 1 1 10.0 1 1 -20.0 1 1	Input Z: 50 Ω Corr CCorr	·	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Lvl Offset 2.3	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB	1 23456 M₩₩₩₩₩₩	
Swept SA KEYSIGHT Input: RF R T → I Spectrum ▼ Scale/Div 10 dB ↓ Log ↓ ↓ 100 ↓ ↓ 300 ↓ ↓	Input Z: 50 Ω Corr CCorr	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Lvl Offset 2.3	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB	1 23456 M₩₩₩₩₩₩	-0.29 dBm
Swept SA KEYSIGHT Input: RF R T Coupling: DC Align: Auto Align: Auto I Spectrum V Scale/Div 10 dB Imput: RF Log 1 10.0 1 -20.0 - -30.0 - -40.0 - -50.0 -	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S)	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Lvl Offset 2.3	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB	1 23456 M₩₩₩₩₩₩	-0.29 dBm
Swept SA KEYSIGHT Input: RF R T → Auto I Spectrum ▼ Scale/Div 10 dB 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 Lvl Offset 2.3	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB JBm	1 23456 M₩₩₩₩₩₩	-0.29 dBm
Swept SA KEYSIGHT Input: RF R T I Spectrum V Scale/Div 10 dB Log 1 100 1 0 Scale/Div 10 dB 1 1 1 Scale/Div 10 dB -	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 2.0 Ref Level 20.00 of	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB JBm	1 23456 M₩₩₩₩₩₩	-0.29 dBm
Swept SA KEYSIGHT Input: RF R T → Auto 1 Spectrum ▼ Scale/Div 10 dB 0 0 1 100 1 1 1 1 20.0 30.0 1 <th1< th=""> 1 1</th1<>	Performance Provide Action of the second se	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Level 20.00 of A A A #Video BW 300	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB 1Bm		-0.29 dBm
Swept SA KEYSIGHT Input: RF R T Coupling: DC Align: Auto V Scale/Div 10 dB V Scale/Div 10 dB V 30.0 1 1 -20.0 -30.0 -40.0 -50.0 -30.0 -40.0 -50.0 -50.0 -70.0 Start 30 MHz #Res BW 100 kHz 5 S Marker Table V 1 1 Mode Trace Scale 1 1 1 1 1 1 1 1	P + 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 2.3 Ref Level 20.00 d #Video BW 300 Y -0.2874 dBm -53.13 dBm	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB 1Bm	1 23456 M₩₩₩₩₩₩	-0.29 dBm
Swept SA KEYSIGHT Input: RF R T I Spectrum V Scale/Div 10 dB Log 1 1.00 1 20.0 1 0 1 Scale/Div 10 dB 1 1 Scale/Div 10 dB	Y + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) 2 2 X 2 4 7 9	#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 Y -0.2874 dBm -53.13 dBm -53.43 dBm -54.68 dBm	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB 1Bm		-0.29 dBm
Swept SA KEYSIGHT Input: RF Coupling: DC Auto I Spectrum V Scale/Div 10 dB 0 Log 1 100 1 -20.0 1 -30.0 1 -40.0 -50.0 -50.0 -50.0 -70.0 -50.0 Start 30 MHz Fase BW 100 kHz 5 Marker Table V Mode Trace Scale 1 1 1 2 N 1 1	Y + Input Z: 50 Ω Corr CCorr Freq Ref: Int (S) 2 2 X 2 4 7 9	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 2.: Ref Level 20.00 of #Video BW 300 Y -0.2874 dBm -53.13 dBm -53.94 dBm	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB 1Bm		-0.29 dBm
Swept SA KEYSIGHT Input: RF Coupling: DC Align: Auto I Spectrum V Scale/Div 10 dB 0 Log 1 100 1 -20.0 -30.0 -40.0 -50.0 -50.0	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 0 #Video BW 300 #Video BW 300 Y -0.2874 dBm -53.13 dBm -53.43 dBm -54.68 dBm	Avg Type: Log-Power Avg Hold: 10/10 Trig: Free Run 56 dB 1Bm		-0.29 dBm







