

Test Data\

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-1.145	30	Pass
NVNT	BLE	2442	Ant1	-1.647	30	Pass
NVNT	BLE	2480	Ant1	-0.163	30	Pass



			Test Grap	ohs			
		Power	NVNT BLE 2	402MHz Ant1			
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			Ref LvI Offset 3			Mkr1 2.401	860 0 GHz -1.15 dBm
Scale/Div 10 dB			Ref Level 20.00	abm			-1.15 0.611
10.0							
0.00			<u> </u>				
-10.0							
-20.0							
-30.0							and a second
-40.0							
-50.0							
-60.0							
-70.0							
Center 2.402000 GHz #Res BW 2.0 MHz			#Video BW 6.0	0 MHz		Sweep 1.33	Span 8.000 MHz ms (10001 pts)
1 500	Mar 07, 2025 3:15:09 PM						
		Power	NVNT BLE 2	442MHz Ant1			
Spectrum Analyzer 1		Power	NVNT BLE 2	442MHz Ant1			
Swept SA KEYSIGHT Input: RF	τ + Input Z: 50 Ω	Power #Atten: 30 dB	PNO: Fast	Avg Type: Log-Power	123456		
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF R T \longrightarrow Coupling: DC Align: Auto	, +				123456 M\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
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	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB	M ₩ ₩ ₩ ₩ ₩	Mkr1 2.441	
Swept SA KEYSIGHT Input: RF R T \longrightarrow Coupling: DC Align: Auto VV 1 Spectrum Scale/Div 10 dB Log	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB	M ₩ ₩ ₩ ₩ ₩		912 0 GHz
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 3	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB	M ₩ ₩ ₩ ₩ ₩		912 0 GHz
Swept SA KEYSIGHT Input: RF R T Align: Auto CVV 1 Spectrum V 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 3 Ref Level 20.00	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB	M ₩ ₩ ₩ ₩ ₩		912 0 GHz
Swept SA KEYSIGHT Input: RF R T 1 Spectrum VV 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 3 Ref Level 20.00	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB	M ₩ ₩ ₩ ₩ ₩		912 0 GHz
Swept SA KEYSIGHT Input: RF R T Align: Auto Coupling: DC Align: Auto Coupling: Align: Auto Coupling: Align: Auto Coupling: Align: Al	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3 Ref Level 20.00	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB	M ₩ ₩ ₩ ₩ ₩		912 0 GHz
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 Ref LvI Offset 3 Ref Level 20.00	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB	M ₩ ₩ ₩ ₩ ₩		912 0 GHz
Swept SA KEYSIGHT Input: RF R T → Coupling: DC Align: Auto Align: Auto IN Scale/Div 10 dB Log - - 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 3 Ref Level 20.00	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB	M ₩ ₩ ₩ ₩ ₩		912 0 GHz
Swept SA KEYSIGHT Input: RF R T → Coupling: DC I Spectrum ▼ Scale/Div 10 dB ■ Log ■ ■ ■ ■ 10.0 ■ <td>Input Z: 50 Ω Corr CCorr</td> <td></td> <td>PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3 Ref Level 20.00</td> <td>Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB</td> <td>M ₩ ₩ ₩ ₩ ₩</td> <td></td> <td>912 0 GHz</td>	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3 Ref Level 20.00	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB	M ₩ ₩ ₩ ₩ ₩		912 0 GHz
Swept SA KEYSIGHT Input: RF R T → Coupling: DC Align: Auto Align: Auto Coupling: DC I Spectrum ▼ Scale/Div 10 dB ■ Log □ □ □ 10.0 □ □ □ .10.0 □ □ □ .20.0 □ □ □ .30.0 □ □ □ .40.0 □ □ □ .50.0 □ □ □	Input Z: 50 Ω Corr CCorr		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3 Ref Level 20.00	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB	M ₩ ₩ ₩ ₩ ₩		912 0 GHz
Swept SA KEYSIGHT Input: RF R T → Coupling: DC I Spectrum ▼ Scale/Div 10 dB ■ Log ■ ■ ■ ■ 10.0 ■ <td>Input Z: 50 Ω Corr CCorr</td> <td></td> <td>PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Level 20.00</td> <td>Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB 0 dBm</td> <td>M ₩ ₩ ₩ ₩ ₩</td> <td>Mkr1 2.441</td> <td>912 0 GHz -1.65 dBm</td>	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 3.08 dB 0 dBm	M ₩ ₩ ₩ ₩ ₩	Mkr1 2.441	912 0 GHz -1.65 dBm
Swept SA KEYSIGHT Input: RF R T → Coupling: DC I Spectrum ▼ Scale/Div 10 dB ■ Log □ □ □ □ 10.0 □ □ □ □ -10.0 □ □ □ □ -20.0 □ □ □ □ -30.0 □ □ □ □ -60.0 □ □ □ □ -70.0 □ □ □ □ Center 2.442000 GHz #Res W 2.0 MHz □ □	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S)		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3 Ref Level 20.00	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB 0 dBm	M ₩ ₩ ₩ ₩ ₩	Mkr1 2.441	912 0 GHz -1.65 dBm
Swept SA KEYSIGHT Input: RF R T → Coupling: DC I Spectrum ▼ Scale/Div 10 dB ■ Log □ □ □ □ 10.0 □ □ □ □ -10.0 □ □ □ □ -20.0 □ □ □ □ -30.0 □ □ □ □ -60.0 □ □ □ □ -70.0 □ □ □ □ Center 2.442000 GHz #Res W 2.0 MHz □ □	Input 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	Avg Type: Log-Power Avg Hold: 100/100 Trig: Free Run 3.08 dB 0 dBm 4 dBB	M ₩ ₩ ₩ ₩ ₩	Mkr1 2.441	912 0 GHz -1.65 dBm







-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	0.662	0.5	Pass
NVNT	BLE	2480	Ant1	0.659	0.5	Pass







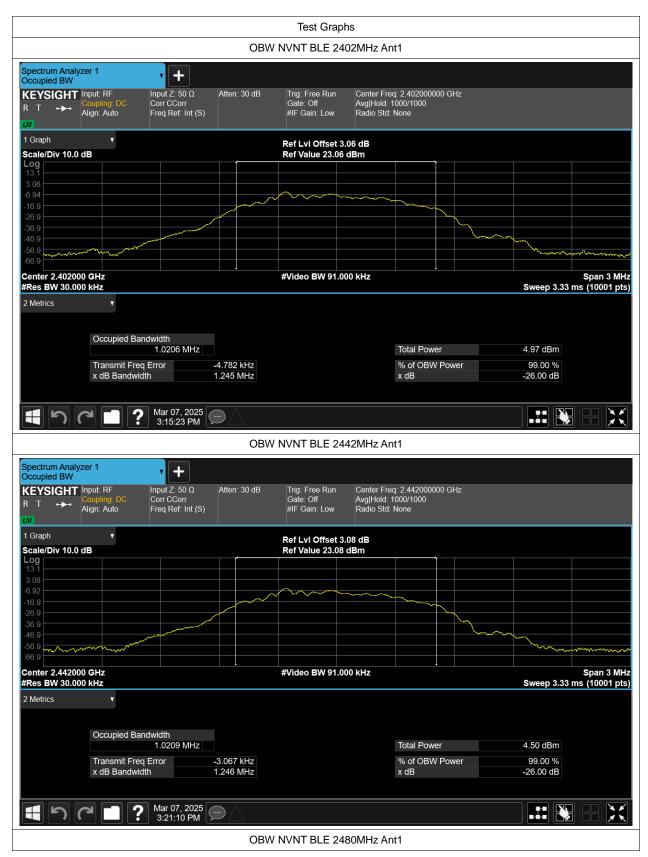
Öccupi	um Analy ied BW			,	-							
KEYS R T	SIGHT ↔	Input: R Couplin Align: A	g: DC	Input Z: Corr CCo Freq Ref	orr	Atten: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low	Center Fre Avg Hold: Radio Std:		łz		
1 Grap	h		•				Ref LvI Offset 3	3.10 dB		Μ	kr3 2.48031	7000 GHz
	Div 10.0	dB					Ref Value 23.10					-6.79 dBm
Log 13.1 - 3.10 -									3			
-6.90 -16.9 -26.9												
-36.9 -46.9	and a start of the	And have										
-56.9 -66.9												
	2.4800 3W 100.0						#Video BW 300	.00 kHz		i	Sweep 1.33 n	Span 2 MHz ns (10001 pts)
2 Metri	cs		•									
		Occ	upied Ban	ndwidth 1.0387	MHz				Total Power		5.73 dBm	
			nsmit Freq		-1	12.768 kHz			% of OBW Pow	er	99.00 %	
		x dE	3 Bandwid	th		658.9 kHz			x dB		-6.00 dB	
	5		1?	Mar 07 3:19:0	, 2025 3 PM							



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	1.021
NVNT	BLE	2442	Ant1	1.021
NVNT	BLE	2480	Ant1	1.022







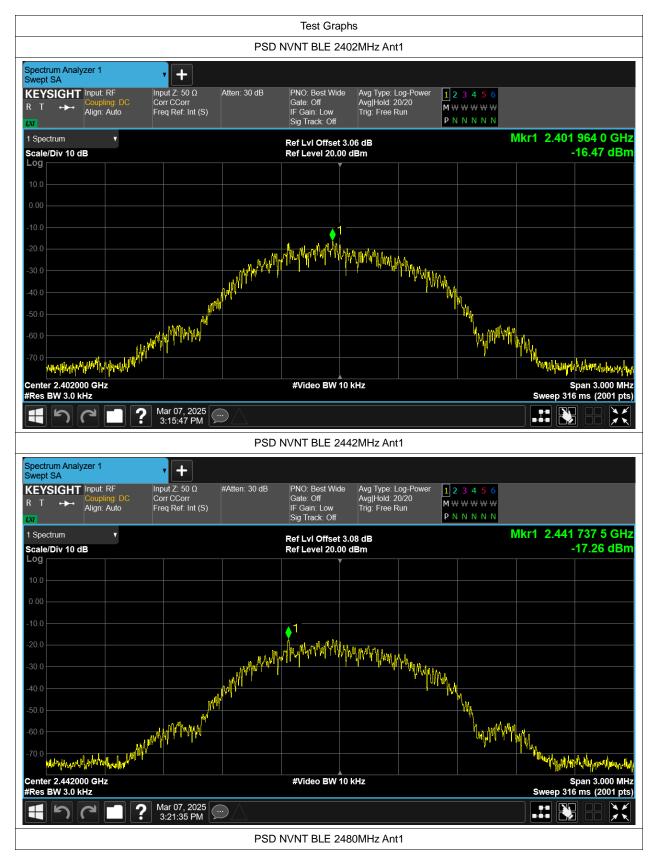
Oc.	cupi	ım Analy ed BW			• +								
	Т	SIGHT	Input: F Couplir Align: A	ig: DC	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S)	Atter	n: 30 dB	Trig: Free Run Gate: Off #IF Gain: Low		eq: 2.480000000 0 1000/1000 I: None	θHz		
	Grapt			T				Ref LvI Offset					
		Div 10.0	dB					Ref Value 23.1	0 dBm				
	og 3.1 –												
	.10 -												
	.90 -						\sim	\sim					
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	6.9 6.9	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~	~~~~								- min	·····
		0 40000						10 (-1	000 1-11-				0
		2.48000 W 30.00						#Video BW 91.	000 KHZ			Sween 3 33	Span 3 MHz ms (10001 pts)
	Metric			•								Oneep 0.00	113 (10001 pt3)
	weuru	.5											
			Oco	cupied Ban	dwidth								
					1.0218 MHz					Total Power		5.99 dBm	
			Tra	nsmit Freq	Error	-7.03	4 kHz			% of OBW Po	wer	99.00 %	
				3 Bandwidt		1.246	MHz			x dB		-26.00 dB	
E	Ð	5		` ?	Mar 07, 2025 3:18:49 PM	\bigcirc	\land						



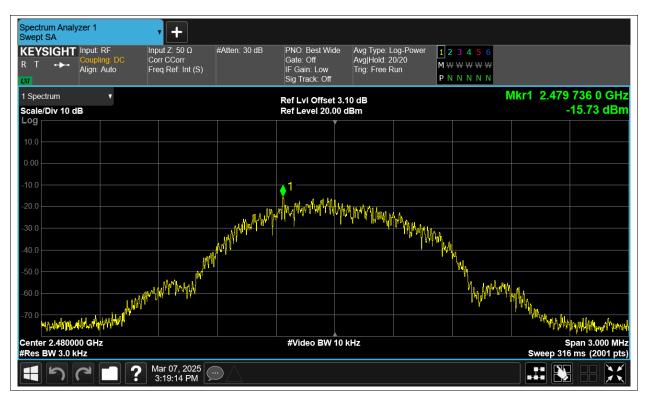
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-16.472	8	Pass
NVNT	BLE	2442	Ant1	-17.261	8	Pass
NVNT	BLE	2480	Ant1	-15.729	8	Pass











Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-54.49	-20	Pass
NVNT	BLE	2480	Ant1	-56.14	-20	Pass



		Band Edge	Test Grap		1 Ref			
Spectrum Analyzer 1	• +	5						
Swept SA KEYSIGHT Input: RF R T +		Atten: 30 dB	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log Avg Hold: 300 Trig: Free Rur	/300 M ₩	3 4 5 6 ₩₩₩₩ N N N N		
1 Spectrum v			Ref LvI Offset 3	3.06 dB			Mkr1 2.4	01 736 GHz
Scale/Div 10 dB Log			Ref Level 20.00					-1.64 dBm
10.0								
0.00			1					
-10.0			-	~				
-20.0								
-30.0								
		/		L.				
-40.0				1	Ny Ny			
-50.0	aprover water water	Ntal Van Nange			Way Marillower	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	wattlawyulfunghahay	hunner Marger for the former
-60.0								
-70.0								
Center 2.402000 GHz			#Video BW 30	0 kHz				Span 8.000 MHz
	Mar 07, 2025 🖳							0 ms (1001 pts)
	Mar 07, 2025 3:16:07 PM							
	Ba	and Edge N\	/NT BLE 2402	2MHz Ant1 E	mission			
Spectrum Analyzer 1 Swept SA	Ba	and Edge N\	/NT BLE 2402	2MHz Ant1 E	mission			
Swept SA KEYSIGHT Input: RF	τ Input Z: 50 Ω #	And Edge N	PNO: Fast	Avg Type: Log	J-Power 1 2	3456		
Swept SA KEYSIGHT Input: RF R T ↔ Align: Auto	• +		PNO: Fast Gate: Off IF Gain: Low		g-Power 12 20 M ₩	₩₩₩₩		_
Swept SA KEYSIGHT Input: RF R T Coupling: DC			PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log Avg Hold: 20/ Trig: Free Rur	g-Power 12 20 M ₩		Mkr1 2	.402 0 GHz
Swept SA KEYSIGHT Input: RF Coupling: DC Align: Auto I Spectrum Scale/Div 10 dB			PNO: Fast Gate: Off IF Gain: Low	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 8.06 dB	g-Power 12 20 M ₩	₩₩₩₩	Mkr1 2	.402 0 GHz -2.55 dBm
Swept SA KEYSIGHT Input: RF Coupling: DC Align: Auto I Spectrum Scale/Div 10 dB Log 10.0			PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 8.06 dB	g-Power 12 20 M ₩	₩₩₩₩	Mkr1 2	
Swept SA Input: RF R T →→ Coupling: DC Align: Auto Align: Auto 1 Spectrum ▼ Scale/Div 10 dB 10.0 0.00 0.00 -10.0 ■			PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 8.06 dB	g-Power 12 20 M ₩	₩₩₩₩	Mkr1 2	-2.55 dBm
Swept SA KEYSIGHT Input: RF R T OU 1 Spectrum Scale/Div 10 dB Log 10.0			PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 8.06 dB	g-Power 12 20 M ₩	₩₩₩₩	Mkr1 2	
Swept SA KEYSIGHT Input: RF R T Coupling: DC. Align: Auto Align: Auto 1 Spectrum V Scale/Div 10 dB 0.00 10.0 0.00 -10.0 0.00			PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 8.06 dB dBm	g-Power 12 20 M ₩	₩₩₩₩		-2.55 dBm
Swept SA KEYSIGHT Input: RF R T → Coupling: DC Align: Auto I Spectrum ▼ Scale/Div 10 dB 0 0 0 10.0 0 0 0 0 -20.0 0 0 0 0 0 -30.0 0			PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 8.06 dB	g-Power 12 20 M ₩	₩₩₩₩	Mkr1 2	-2.55 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 0 0 -10.0 0 0 0 -20.0 0 0 0 0 -10.0			PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3 Ref Level 20.00	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 3.06 dB dBm	g-Power 12 20 M ₩	₩ ₩ ₩ ₩ N N N N N		-2.55 dBm
Swept SA KEYSIGHT Input: RF R T Coupling DC J Spectrum v Scale/Div 10 dB v Log 0 0 10.0 0 0 0 -10.0 0 0 0 0 -20.0 -30.0 -40.0 -40.0 -40.0 -40.0 -50.0 -40.0 -50.0 <td></td> <td></td> <td>PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3</td> <td>Avg Type: Log Avg Hold: 20/ Trig: Free Rur 3.06 dB dBm</td> <td>g-Power 12 20 M ₩</td> <td>₩ ₩ ₩ ₩ N N N N N</td> <td>jt</td> <td>-2.55 dBm</td>			PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 3.06 dB dBm	g-Power 12 20 M ₩	₩ ₩ ₩ ₩ N N N N N	jt	-2.55 dBm
Swept SA KEYSIGHT Input: RF R T Coupling. DC. Align: Auto Align: Auto Scale/Div 10 dB Coupling. DC. Log Imput: RF Imput: RF 0.00 Imput: RF Imput: RF 1 Spectrum V Scale/Div 10 dB Log Imput: RF Imput: RF 0.00 Imput: RF	Input Z: 50 Ω Corr CCorr Freq Ref: Int (S)		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref Level 20.000	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 8.06 dB dBm	1-Power 1 2 20 M ₩ P N		st #Sweep 50.	-2.55 dBm 1 DL1-2 dd dBm 2 40,40,01 m 0 ms (1001 pts)
Swept SA KEYSIGHT R T Coupling DC Align: Auto I Spectrum v 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 GHz #Res BW 100 kHz 5 Marker Table v Mode Trace Scale 1 N 1 f	Linput Z: 50 Ω Corr CCorr Freq Ref: Int (S)		PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3 Ref Level 20.00 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 3.06 dB dBm	g-Power 12 20 M ₩		jt	-2.55 dBm
Swept SA KEYSIGHT R T Align: Auto CV 1 Spectrum 1 Spectrum Scale/Div 10 dB Log 10.0 -0.		Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3 Ref Level 20.00 #Video BW 30 Y -2.553 dBm -54.91 dBm -60.27 dBm	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 8.06 dB dBm	1-Power 1 2 20 M ₩ P N		st #Sweep 50.	-2.55 dBm
Swept SA KEYSIGHT Input: RF R T Coupling: DC Align: Auto I Spectrum V Scale/Div 10 dB Outomation Outomation 100 Outomation Outomation Outomation Scale/Div 10 dB Outomation Outomation Outomation Outomation 200 Outomation	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 3 Ref Level 20.00 # #Video BW 30 Y -2.553 dBm -54.91 dBm	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 8.06 dB dBm	1-Power 1 2 20 M ₩ P N		st #Sweep 50.	-2.55 dBm
Swept SA KEYSIGHT Input: RF R T Coupling. DC Align: Auto Align: Auto I Spectrum V Scale/Div 10 dB Outomatic Log Image: Coupling and the second	x 2.402 2.360 X 2.402 2.360	Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3 Ref Level 20.00 #Video BW 30 Y -2.553 dBm -54.91 dBm -60.27 dBm	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 8.06 dB dBm	1-Power 1 2 20 M ₩ P N		st #Sweep 50.	-2.55 dBm 1 DI1-2 (4 dBm 2 church / 4 2 church / 4 2 church / 4 4 2 church / 4 4 2 church / 4 4 4 2 church / 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Swept SA Input: RF R T Coupling: DC Align: Auto I Spectrum v Scale/Div 10 dB 0 0 100 0 0 100 0 0 100 0 0 200 0 0 -10.0 0 0 -20.0 0 0 -30.0 0 0 -40.0 0 0 -70.0 0 0 Start 2.30600 GHz #Res BW 100 kHz 1 5 Marker Table v 1 Mode Trace Scale 1 1 1 2 1 1 3 1 1 4 N 1 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 3 Ref Level 20.00 #Video BW 30 Y -2.553 dBm -54.91 dBm -60.27 dBm	Avg Type: Log Avg Hold: 20/ Trig: Free Rur 8.06 dB dBm 4 0 kHz Function	F-Power 1 2 20 M W P N		st #Sweep 50.	-2.55 dBm 1 DI1-2 (4 dBm 2 church / 4 2 church / 4 2 church / 4 4 2 church / 4 4 2 church / 4 4 4 2 church / 4 4 4 4 4 4 4 4 4 4 4 4 4 4



Report No.: JYTSZ-R12-2500223





Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-46.91	-20	Pass
NVNT	BLE	2442	Ant1	-48.34	-20	Pass
NVNT	BLE	2480	Ant1	-48.68	-20	Pass



			Tre Creation	Test Graph			
Spectrum Analyzer	1		Tx. Spuriou	IS NVNT BLE 24	402MHz Ant1 Ref		
Swept SA	ıt: RF ıpling: DC	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-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	¥			Ref LvI Offset 3.			Mkr1 2.401 736 0 GHz
Scale/Div 10 dB				Ref Level 20.00	dBm		-1.65 dBm
10.0			▲ 1				
0.00				·····		Jan 1	
-10.0							Marine Mari
-20.0	S Martin						
-30.0							
-50.0							
-60.0							
-70.0							
Center 2.4020000 (24-			#Video BW 300			Span 1.500 MHz
#Res BW 100 kHz				#VIUE0 BW 300			Sweep 1.00 ms (1001 pts)
500	2	Mar 07, 2025 3:16:16 PM	\square				
		-	Tx. Spurious N	NVNT BLE 2402	2MHz Ant1 Emissi	on	
Spectrum Analyzer Swept SA	1	• +					
KEYSIGHT Inpu			#Atten: 30 dB				
P T Cou	ipling: DC	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S)	#Allen: 50 db	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold: 5/5 Trig: Free Run	1 2 3 4 5 6 M ₩ ₩ ₩ ₩ ₩ P N N N N N	
R T ↔ Cou Align 1 Spectrum	ipling: DC	Corr CCorr		Gate: Off IF Gain: Low Sig Track: Off Ref Lvl Offset 3.	Avg Hold: 5/5 Trig: Free Run 06 dB	M ₩ ₩ ₩ ₩ ₩	Mkr1 2.402 GHz -2 73 dBm
R T ↔ Cou Align	ipling: DC n: Auto	Corr CCorr		Gate: Off IF Gain: Low Sig Track: Off	Avg Hold: 5/5 Trig: Free Run 06 dB	M ₩ ₩ ₩ ₩ ₩	Mkr1 2.402 GHz -2.73 dBm
R T ↔ Cou Aligi 1 Spectrum Scale/Div 10 dB Log	ipling: DC n: Auto	Corr CCorr		Gate: Off IF Gain: Low Sig Track: Off Ref Lvl Offset 3.	Avg Hold: 5/5 Trig: Free Run 06 dB	M ₩ ₩ ₩ ₩ ₩	-2.73 dBm
R T →→ Cou LVV 1 Spectrum Scale/Div 10 dB Log 10.0 0.00	ipling: DC n: Auto	Corr CCorr		Gate: Off IF Gain: Low Sig Track: Off Ref Lvl Offset 3.	Avg Hold: 5/5 Trig: Free Run 06 dB	M ₩ ₩ ₩ ₩ ₩	-2.73 dBm
R T →→ Align I Spectrum Scale/Div 10 dB Log 10.0 .00 -10.0 -20.0	ipling: DC n: Auto	Corr CCorr Freq Ref: Int (S)	3 	Gate: Off IF Gain: Low Sig Track: Off Ref Lvl Offset 3.	Avg Hold: 5/5 Trig: Free Run 06 dB	M ₩ ₩ ₩ ₩ ₩	-2.73 dBm
R T → Cou 1 Spectrum Scale/Div 10 dB 10.0 0.00 -10.0 -0.0 -20.0	ipling: DC n: Auto	Corr CCorr Freq Ref: Int (S)		Gate: Off IF Gain: Low Sig Track: Off Ref Lvl Offset 3.	Avg Hold: 5/5 Trig: Free Run 06 dB	M ₩ ₩ ₩ ₩ ₩	-2.73 dBm
R T → Cou 1 Spectrum Scale/Div 10 dB 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -50.0 -60.0 -70.0 Start 30 MHz	ipling: DC n: Auto	Corr CCorr Freq Ref: Int (S)		Gate: Off IF Gain: Low Sig Track: Off Ref Lvl Offset 3.	Avg Hold: 5/5 Trig: Free Run	M ₩ ₩ ₩ ₩ ₩	-2.73 dBm
R T → Cou Align 1 Spectrum Scale/Div 10 dB 0 10.0 0 0 0 -10.0	ipling: DC n: Auto	Corr CCorr Freq Ref: Int (S)		Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3. Ref Level 20.000	Avg Hold: 5/5 Trig: Free Run	M ₩ ₩ ₩ ₩ ₩	-2.73 dBm
R T → Cou 1 Spectrum Scale/Div 10 dB 0 Log 10.0 0 0 10.0 0 0 0 -20.0 - 0 0 -30.0 - - 0 -60.0 - - 0 -70.0 Start 30 MHz #Res BW 100 kHz 5 5 Marker Table Mode Trace	1 1 1	Corr CCorr Freq Ref: Int (S)	3 	Gate: Off IF Gain: Low Sig Track: Off Ref Level 20.00 (A 4 4 #Video BW 300	Avg Hold: 5/5 Trig: Free Run	M ₩ ₩ ₩ ₩ ₩	-2.73 dBm
R T → Cou 1 Spectrum Scale/Div 10 dB 0 Log 10.0 0 0 10.0 0 0 0 -20.0 0 0 0 -30.0 0 0 0 -50.0 0 0 0 -70.0 0 0 0 Start 30 MHz #Res BW 100 kHz 5 5 Marker Table 0 0	1 1	Corr CCorr Freq Ref: Int (S)	3 	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3. Ref Level 20.00 (4 4 #Video BW 300	Avg Hold: 5/5 Trig: Free Run		-2.73 dBm
R T → Cou 1 Spectrum Scale/Div 10 dB Log 0 0 10.0 0 -0.0 0 -20.0 0 -30.0 0 -40.0 0 -50.0 0 -70.0 0 Start 30 MHz #Res BW 100 kHz 5 Marker Table 1 1 N 1 1 2 N 3 N 4 N 5 N	pping DC n: Auto	Corr CCorr Freq Ref. Int (S)	3 3 	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3. Ref Level 20.00 (4 4 #Video BW 300 Y -2.729 dBm -52.28 dBm	Avg Hold: 5/5 Trig: Free Run		-2.73 dBm
R T → Cou Align 1 Spectrum Scale/Div 10 dB Log 0 0 10.0 0 0 -10.0 0 0 -20.0 0 0 -30.0 0 0 -40.0 0 0 -50.0 0 0 -70.0 0 0 Start 30 MHz #Res BW 100 kHz 5 Marker Table 1 Mode Tract 1 N 1 2 N 1 4 N 1	I f f f f f f	Corr CCorr Freq Ref: Int (S)	3 2.402 GHz 1.999 GHz 7.072 GHz 2.768 GHz 3.826 GHz	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3. Ref Level 20.00 (4 4 #Video BW 300 Y -2.729 dBm -53.51 dBm -53.51 dBm -54.31 dBm	Avg Hold: 5/5 Trig: Free Run		-2.73 dBm
R T → Cou Align 1 Spectrum Scale/Div 10 dB Log 0 0 10.0 0 0 -10.0 0 0 -20.0 0 0 -30.0 0 0 -40.0 0 0 -50.0 0 0 -70.0 0 0 Start 30 MHz #Res BW 100 kHz 5 Marker Table 1 1 2 N 1 3 N 1 4 N 1 5 N 1	te Scale	Corr CCorr Freq Ref: Int (S)	3 2.402 GHz 1.999 GHz 7.072 GHz 2.7072 GHz 2.768 GHz	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offset 3. Ref Level 20.00 (4 4 #Video BW 300 Y -2.729 dBm -53.51 dBm -53.51 dBm -54.31 dBm	Avg Hold: 5/5 Trig: Free Run		-2.73 dBm







