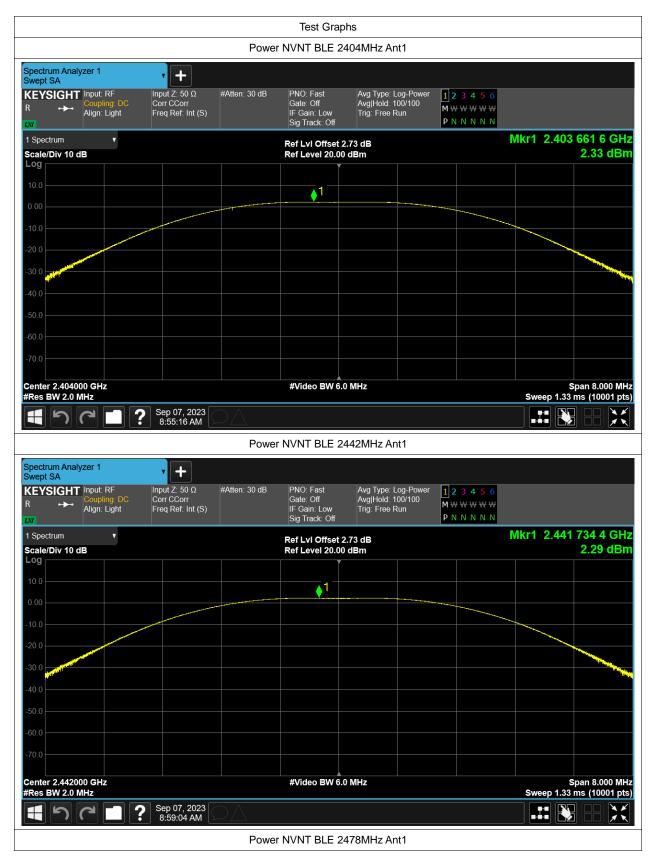


Test Data

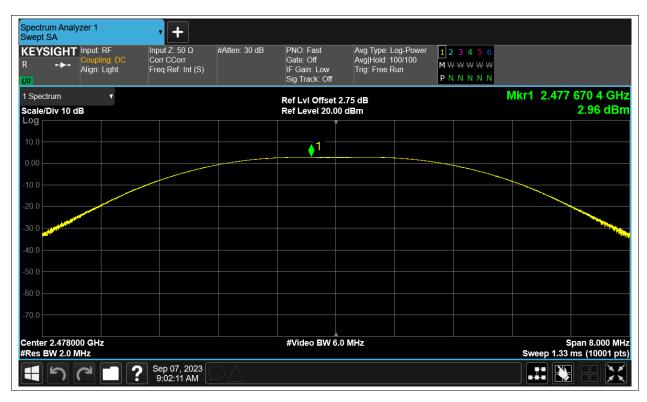
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2404	Ant1	2.329	30	Pass
NVNT	BLE	2442	Ant1	2.294	30	Pass
NVNT	BLE	2478	Ant1	2.957	30	Pass











-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	BLE	2404	Ant1	1.127	0.5	Pass
NVNT	BLE	2442	Ant1	1.148	0.5	Pass
NVNT	BLE	2478	Ant1	1.269	0.5	Pass











Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2404	Ant1	2.075
NVNT	BLE	2442	Ant1	2.074
NVNT	BLE	2478	Ant1	2.069







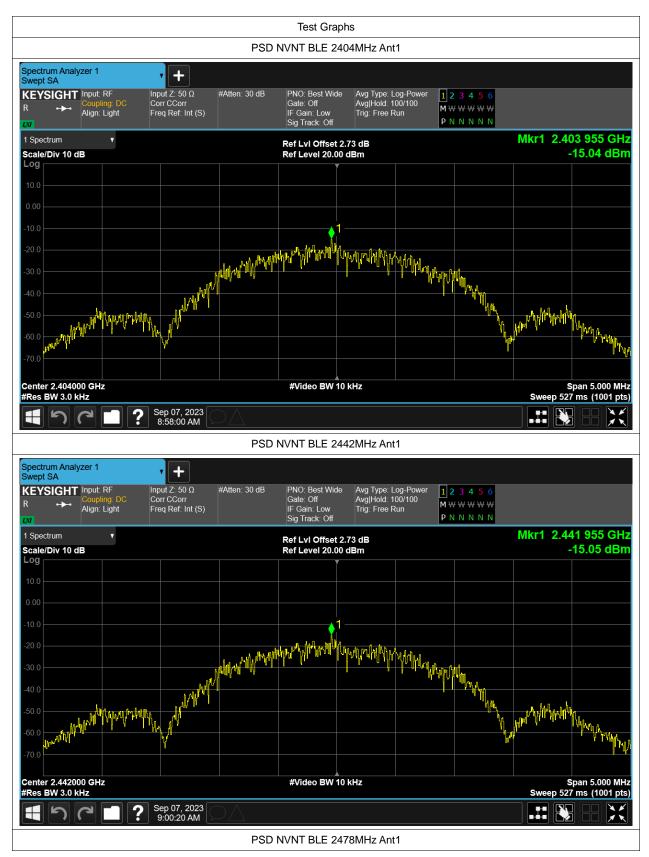




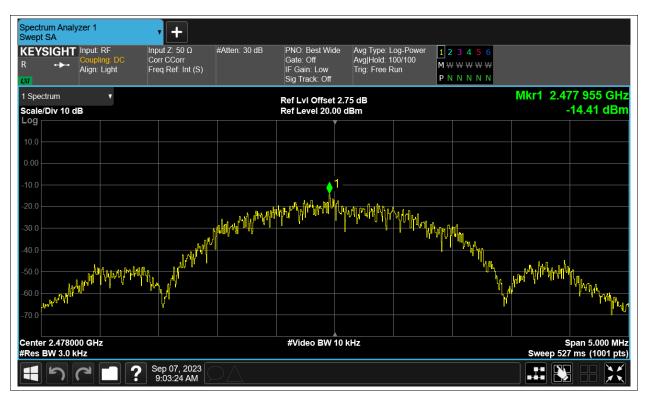
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2404	Ant1	-15.045	8	Pass
NVNT	BLE	2442	Ant1	-15.046	8	Pass
NVNT	BLE	2478	Ant1	-14.406	8	Pass











Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2404	Ant1	-55.21	-20	Pass
NVNT	BLE	2478	Ant1	-55.08	-20	Pass











Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2404	Ant1	-48.73	-20	Pass
NVNT	BLE	2442	Ant1	-50.13	-20	Pass
NVNT	BLE	2478	Ant1	-45.32	-20	Pass



				Test Grap				
			Tx. Spuriou	us NVNT BLE 2	404MHz Ant1	Ref		
Spectrum Analy Swept SA	/zer 1	• +						
KEYSIGHT R ++	Input: RF Coupling: DC Align: Light	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-Po Avg Hold: 100/100 Trig: Free Run			
1 Spectrum	•			Ref LvI Offset 2.			Mkr1 2.403	
Scale/Div 10 d	B			Ref Level 20.00	dBm			1.66 dBm
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-70.0								
-10.0								
Center 2.40400 #Res BW 100 k				#Video BW 300) kHz			6pan 1.500 MHz 0 ms (1001 pts)
15		Sep 07, 2023 8:55:32 AM						
			x Sourious I	NVNT BLE 240	4MHz Ant1 Em	nission		
Spectrum Apoly	vzor 1		x. Spurious I	NVNT BLE 240	4MHz Ant1 Em	nission		
Spectrum Analy Swept SA		• +	-					
			X. Spurious A	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	4MHz Ant1 Em Avg Type: Log-Pc Avg Hold: 10/10 Trig: Free Run			
Swept SA KEYSIGHT R +>+ INT 1 Spectrum	Input: RF Coupling: DC Align: Light	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: 10/10 Trig: Free Run 73 dB	wer <u>1</u> 23456 M₩₩₩₩₩₩	Mkr1	
Swept SA KEYSIGHT R I Spectrum Scale/Div 10 dl	Input: RF Coupling: DC Align: Light	Input Z: 50 Ω Corr CCorr	-	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Pc Avg Hold: 10/10 Trig: Free Run 73 dB	wer <u>1</u> 23456 M₩₩₩₩₩₩	Mkr1	2.412 GHz -6.37 dBm
Swept SA KEYSIGHT R 1 Spectrum Scale/Div 10 dl Log 0.00	Input: RF Coupling: DC Align: Light	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: 10/10 Trig: Free Run 73 dB	wer <u>1</u> 23456 M₩₩₩₩₩₩	Mkr1	2.412 GHz -6.37 dBm
Swept SA KEYSIGHT R 1 Spectrum Scale/Div 10 dl 10.0	Input: RF Coupling: DC Align: Light B	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: 10/10 Trig: Free Run 73 dB	wer <u>1</u> 23456 M₩₩₩₩₩₩	Mkr1	
Swept SA KEYSIGHT R ->- Lvr 1 Spectrum Scale/Div 10 dl 0 10.0 10.0	Input: RF Coupling: DC Align: Light B	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.	Avg Type: Log-Pc Avg Hold: 10/10 Trig: Free Run 73 dB	wer <u>1</u> 23456 M₩₩₩₩₩₩	Mkr1	-6.37 dBm
Swept SA KEYSIGHT R →→ 1 Spectrum Scale/Div 10 dl Log 10.0 -0.0 -30.0 -40.0 -50.0	Input: RF Coupling: DC Align: Light B	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: 10/10 Trig: Free Run 73 dB	wer <u>1</u> 23456 M₩₩₩₩₩₩	Mkr1	-6.37 dBm
Swept SA KEYSIGHT R →→ I Spectrum Scale/Div 10 dl Log 10.0 -10.0 -20.0 -30.0 -40.0	Input: RF Coupling: DC Align: Light B	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.	Avg Type: Log-Pc Avg Hold: 10/10 Trig: Free Run 73 dB	wer <u>1</u> 23456 M₩₩₩₩₩₩		-6.37 dBm
Swept SA KEYSIGHT R →→→ LV/ 1 Spectrum Scale/Div 10 dl 0 10.0 0 -10.0 - -30.0 - -40.0 - -50.0 -	Input: RF Coupling: DC Align: Light	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.	Avg Type: Log-Pc Avg Hold: 10/10 Trig: Free Run 73 dB dBm	wer <u>1</u> 23456 M₩₩₩₩₩₩		-6.37 dBm
Swept SA KEYSIGHT R	Input: RF Coupling: DC Align: Light	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: 10/10 Trig: Free Run 73 dB dBm	wer <u>1</u> 23456 M₩₩₩₩₩₩		-6.37 dBm
Swept SA KEYSIGHT R →→ I Spectrum Scale/Div 10 dl Scale/Div 10 dl 0.00 10 0 0.00 -20 0 0.00 -30 0 0.00 -40 0 5 -50 0 -500 -60 0 -700 Start 30 MHz #Res BW 100 k 5 Marker Table Mode	Input: RF Coupling: DC Align: Light B 1	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: 10/10 Trig: Free Run 73 dB dBm	wer <u>1</u> 23456 M₩₩₩₩₩₩		-6.37 dBm
Swept SA KEYSIGHT R 1 Spectrum Scale/Div 10 dl Log 10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -70.0 Start 30 MHz #Res BW 100 k 5 Marker Table Mode 1 N 2 N	Input: RF Coupling: DC Align: Light	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 #Video BW 300	Avg Type: Log-Pc Avg Hold: 10/10 Trig: Free Run 73 dB dBm	1 2 3 4 5 6 M W W W W W P N N N N	Sweep ~2.	-6.37 dBm
Swept SA KEYSIGHT R I Spectrum Scale/Div 10 dl Log 10.0 -0.0	Input: RF Coupling: DC Align: Light B 1 1 1 1 1 5 5 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	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 #Video BW 300 Y -53.60 dBm -54.55 dBm -54.55 dBm	Avg Type: Log-Pc Avg Hold: 10/10 Trig: Free Run 73 dB dBm	1 2 3 4 5 6 M W W W W W P N N N N	Sweep ~2.	-6.37 dBm
Swept SA KEYSIGHT R →→ 1 Spectrum Scale/Div 10 dl Log 10.0 0.00 -00 -30.0 -50.0 -60.0 -70.0 Start 30 MHz #Res BW 100 k 5 Marker Table Mode 1 N 2 N 3 N	Input: RF Coupling: DC Align: Light	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 #Video BW 300	Avg Type: Log-Pc Avg Hold: 10/10 Trig: Free Run 73 dB dBm	1 2 3 4 5 6 M W W W W W P N N N N	Sweep ~2.	-6.37 dBm
Swept SA KEYSIGHT R I Spectrum Scale/Div 10 dl Log 10.0 -10.0 -20.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -70.0 Start 30 MHz #Res BW 100 kl 5 Marker Table Mode 1 N 2 N 3 N 4 N 5 N	Input: RF Coupling: DC Align: Light B 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	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 #Video BW 300 Y -53.60 dBm -54.55 dBm -54.55 dBm	Avg Type: Log-Pc Avg Hold: 10/10 Trig: Free Run 73 dB dBm	1 2 3 4 5 6 M W W W W W P N N N N	Sweep ~2.	-6.37 dBm



