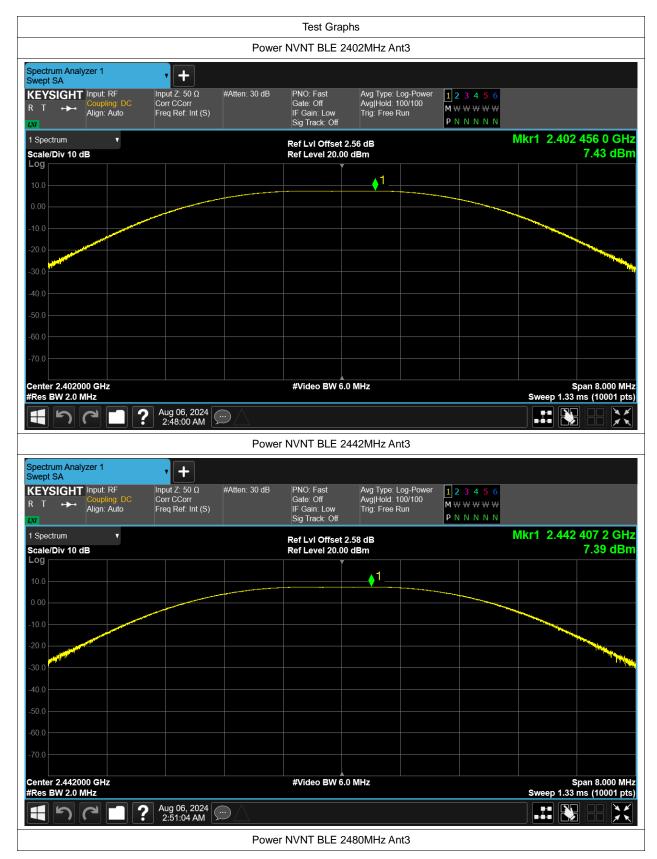


Test Data

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	EIRPLimit (dBm)	Verdict
NVNT	BLE	2402	Ant3	7.43	30	Pass
NVNT	BLE	2442	Ant3	7.395	30	Pass
NVNT	BLE	2480	Ant3	6.501	30	Pass











-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	limit	Verdic
NVNT	BLE	2402	Ant3	1.078	0.5	Pass
NVNT	BLE	2442	Ant3	1.106	0.5	Pass
NVNT	BLE	2480	Ant3	1.053	0.5	Pass











Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant3	2.06
NVNT	BLE	2442	Ant3	2.062
NVNT	BLE	2480	Ant3	2.07











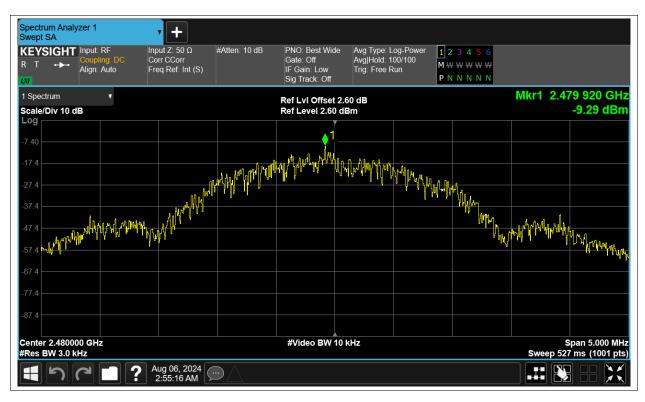
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant3	-8.4	8	Pass
NVNT	BLE	2442	Ant3	-8.266	8	Pass
NVNT	BLE	2480	Ant3	-9.288	8	Pass











Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant3	-61.83	-20	Pass
NVNT	BLE	2480	Ant3	-55.22	-20	Pass











Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant3	-56.25	-20	Pass
NVNT	BLE	2442	Ant3	-55.74	-20	Pass
NVNT	BLE	2480	Ant3	-54.19	-20	Pass







Spectrum Analyzer 1 Swept SA	▼ +				
KEYSIGHT Input: RF R T ↔ Coupling: DC Align: Auto	Input Z: 50 Ω #A Corr CCorr Freq Ref: Int (S)	Atten: 30 dB PNO: Best Win Gate: Off IF Gain: Low Sig Track: Off	de Avg Type: Log-P Avg Hold: 100/10 Trig: Free Run		
1 Spectrum v Scale/Div 10 dB		Ref LvI Offse Ref Level 20.			Mkr1 2.441 935 5 GHz 7.15 dBm
Log		▲1			
10.0 0.00	\mathcal{M}	man	Mar Marine	ale and the second second	1 mm -
-10.0					hundren
-20.0					
-30.0					
-40.0					
-50.0					
-60.0					
-70.0					
Center 2.4420000 GHz #Res BW 100 kHz		#Video BW :	300 kHz		Span 1.500 MHz Sweep 1.00 ms (1001 pts)
	Aug 06, 2024 2:52:28 AM	\triangle			
	Tx.	Spurious NVNT BLE 24	142MHz Ant3 En	nission	
Spectrum Analyzer 1 Swept SA	• +				
KEYSIGHT Input: RF	Input Z: 50 Ω #A	Atten: 30 dB PNO: Fast	Avg Type: Log-P		
R T Coupling: DC	Corr CCorr	Gate: Off	Avg Hold: 10/10	ower $\begin{array}{c} 1 & 2 & 3 & 4 & 5 & 6 \\ M & W & W & W & W \end{array}$	
Align: Auto					
Align: Auto	Corr CCorr	Gate: Off IF Gain: Low	Avg Hold: 10/10 Trig: Free Run	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$	Mkr1 2.439 GHz 5.88 dBm
Align: Auto	Corr CCorr	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offse	Avg Hold: 10/10 Trig: Free Run	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$	
Align: Auto	Corr CCorr	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offse	Avg Hold: 10/10 Trig: Free Run	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$	
Align: Auto	Corr CCorr Freq Ref: int (S)	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offse Ref Level 20.0	Avg Hold: 10/10 Trig: Free Run	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$	5.88 dBm
Align: Auto	Corr CCorr	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offse	Avg Hold: 10/10 Trig: Free Run	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$	5.88 dBm
Align: Auto	Corr CCorr Freq Ref: int (S)	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offse Ref Level 20.0	Avg Hold: 10/10 Trig: Free Run	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$	5.88 dBm
Align: Auto	Corr CCorr Freq Ref: int (S)	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offse Ref Level 20.1	Avg Hold: 10/10 Trig: Free Run	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$	5.88 dBm
Align: Auto	Corr CCorr Freq Ref: Int (S)	Gate: Off IF Gain: Low Sig Track: Off Ref Level 20.0	Avg Hold: 10/10 Trig: Free Run	$M \leftrightsquigarrow \Downarrow \Downarrow \Downarrow \Downarrow$	5.88 dBm
Align: Auto VV Align: Auto 1 Spectrum Scale/Div 10 dB Log 1 10.0 1 10.0 1 20.0 1 -30.0 1 -50.0 - -70.0 - Start 30 MHz - #Re	Corr CCorr Freq Ref: Int (S)	Gate: Off IF Gain: Low Sig Track: Off Ref Level 20.0 4 #Video BW 3 #Video BW 3 9 GHz 5.877 dBr 2 GHz -53.44 dBr	Avg Hold: 10/10 Trig: Free Run		5.88 dBm
Align: Auto V/ 1 Spectrum Scale/Div 10 dB Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -70.0 Start 30 MHz #Res BW 100 kHz 5 Marker Table Mode 1 2 N 1 3 N 1 5 N 1 5 5 N 1 <td>Corr CCorr Freq Ref: Int (S)</td> <td>Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offse Ref Level 20.1 4 #Video BW : #Video BW : 9 GHz 5.877 dBr</td> <td>Avg Hold: 10/10 Trig: Free Run</td> <td></td> <td>5.88 dBm</td>	Corr CCorr Freq Ref: Int (S)	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offse Ref Level 20.1 4 #Video BW : #Video BW : 9 GHz 5.877 dBr	Avg Hold: 10/10 Trig: Free Run		5.88 dBm
Align: Auto V 1 Spectrum Scale/Div 10 dB Log 10.0	Corr CCorr Freq Ref: Int (S)	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offse Ref Level 20.0 #Video BW 3 #Video BW 3 #Video BW 3 9 GHz 5.877 dBr 2 GHz 55.40 dBr 0 GHz -55.40 dBr 0 GHz -55.40 dBr	Avg Hold: 10/10 Trig: Free Run		5.88 dBm
Align: Auto V/ 1 Spectrum Scale/Div 10 dB Log 10.0 0.00 -10.0 -20.0 -30.0 -40.0 -30.0 -40.0 -50.0 -50.0 -50.0 -50.0 -70.0 Start 30 MHz #Res BW 100 kHz 5 Marker Table Mode 1 2 N 1 3 N 1 5 N 1 5 5 N 1 <td>Corr CCorr Freq Ref. Int (S)</td> <td>Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offse Ref Level 20.0 #Video BW 3 #Video BW 3 #Video BW 3 9 GHz 5.877 dBr 2 GHz 55.40 dBr 0 GHz -55.40 dBr 0 GHz -55.40 dBr</td> <td>Avg Hold: 10/10 Trig: Free Run</td> <td></td> <td>5.88 dBm</td>	Corr CCorr Freq Ref. Int (S)	Gate: Off IF Gain: Low Sig Track: Off Ref LvI Offse Ref Level 20.0 #Video BW 3 #Video BW 3 #Video BW 3 9 GHz 5.877 dBr 2 GHz 55.40 dBr 0 GHz -55.40 dBr 0 GHz -55.40 dBr	Avg Hold: 10/10 Trig: Free Run		5.88 dBm



