

Test Data

Maximum Conducted Output Power(DynaLogger TcA+)

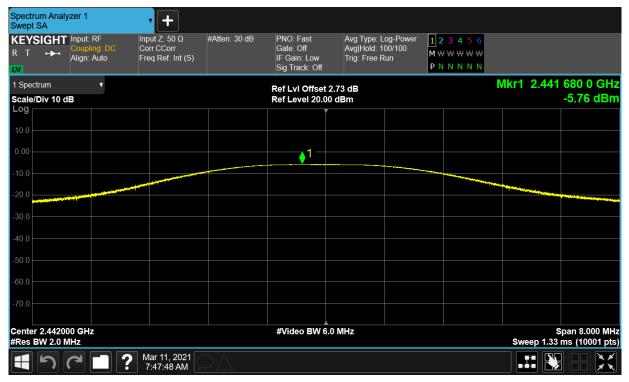
		_						
Condition	Mode	Frequency	Antenna	Conducted Power	Duty Factor	Total Power	Limit	Verdict
		(MHz)		(dBm)	(dB)	(dBm)	(dBm)	
NVNT	BLE	2402	Ant1	-4.003	0	-4.003	30	Pass
NVNT	BLE	2442	Ant1	-5.762	0	-5.762	30	Pass
NVNT	BLE	2480	Ant1	-4.931	0	-4.931	30	Pass

Power NVNT BLE 2402MHz Ant1





Power NVNT BLE 2442MHz Ant1



Power NVNT BLE 2480MHz Ant1

Spectrum Analyz Swept SA	zer 1	• +							
	Input: RF 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: L Avg Hold: 1 Trig: Free R	00/100	1 2 3 4 5 6 M W W W W W P N N N N N		
1 Spectrum Scale/Div 10 dE	v 3			Ref LvI Offset Ref Level 20.0			I	Mkr1 2.48	0 176 0 GHz -4.93 dBm
Log 10.0									
0.00					•1				
-20.0									
-30.0									
-50.0									
-60.0									
Center 2.48000				#Video BW 6	.0 MHz			Swaard	Span 8.000 MHz
#Res BW 2.0 M		Mar 11, 2021 7:57:39 AM							3 ms (10001 pts)

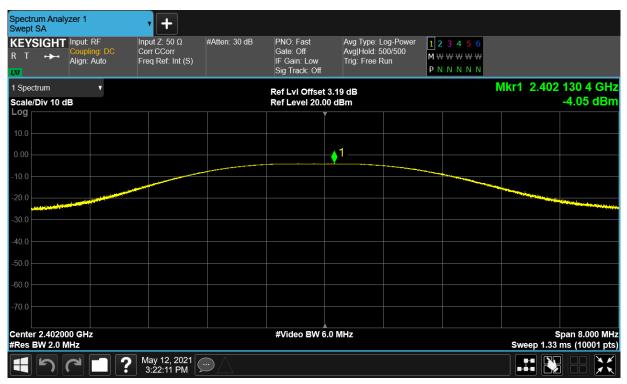
Jian Yan Testing Group Shenzhen Co., Ltd. P No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China. Tel: +86-755-23118282, Fax: +86-755-23116366 Pag



Maximum Conducted Output Power(DynaLogger HF)

Condition	Mode	Frequency	Antenna	Conducted Power	Duty Factor	Total Power	Limit	Verdict
		(MHz)		(dBm)	(dB)	(dBm)	(dBm)	
NVNT	BLE	2402	Ant1	-4.048	0	-4.048	30	Pass
NVNT	BLE	2442	Ant1	-6.16	0	-6.16	30	Pass
NVNT	BLE	2480	Ant1	-5.222	0	-5.222	30	Pass

Power NVNT BLE 2402MHz Ant1

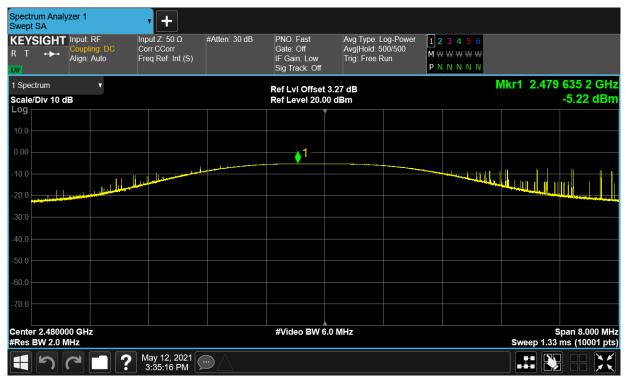


Power NVNT BLE 2442MHz Ant1





Power NVNT BLE 2480MHz Ant1



-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE	2402	Ant1	0.772	0.5	Pass
NVNT	BLE	2442	Ant1	0.766	0.5	Pass
NVNT	BLE	2480	Ant1	0.769	0.5	Pass

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Project No.: JYTSZE2101008



-6dB Bandwidth NVNT BLE 2402MHz Ant1



-6dB Bandwidth NVNT BLE 2442MHz Ant1



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-6dB Bandwidth NVNT BLE 2480MHz Ant1

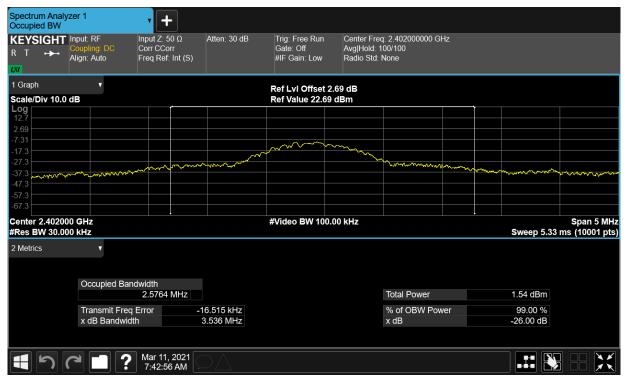


Occupied Channel Bandwidth

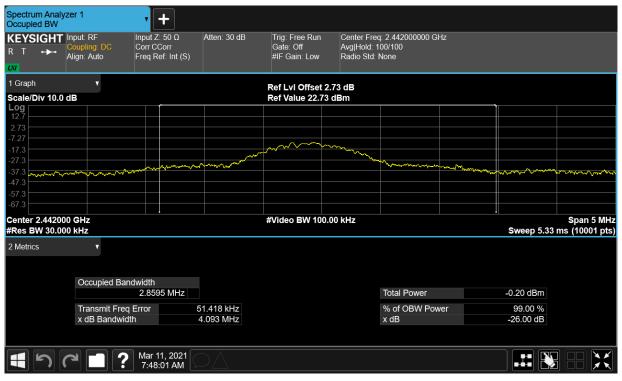
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	2.576410933
NVNT	BLE	2442	Ant1	2.85946512
NVNT	BLE	2480	Ant1	2.815657777



OBW NVNT BLE 2402MHz Ant1



OBW NVNT BLE 2442MHz Ant1





OBW NVNT BLE 2480MHz Ant1

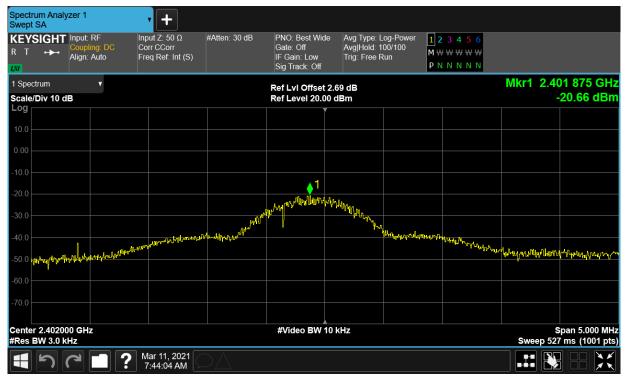


Maximum Power Spectral Density Level

Condition	Mode Frequency (MHz)		Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-20.656	8	Pass
NVNT	BLE	2442	Ant1	-22.35	8	Pass
NVNT	BLE	2480	Ant1	-20.012	8	Pass



PSD NVNT BLE 2402MHz Ant1



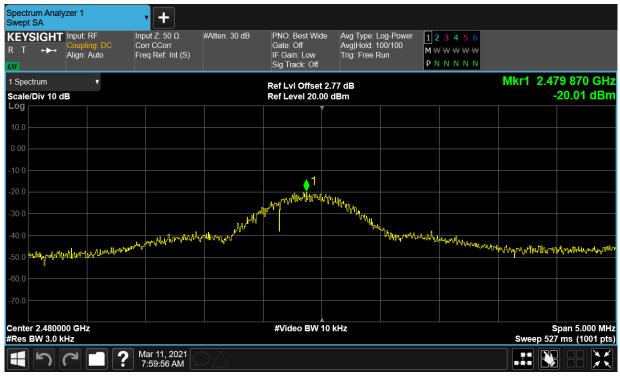
PSD NVNT BLE 2442MHz Ant1

KEYSIGHT Input: R T ↔ Coupl Align:	ing: DC C	nput Ζ: 50 Ω corr CCorr req Ref: Int (S)	#Atten: 30 dB	PNO: Best Wid Gate: Off IF Gain: Low Sig Track: Off	e Avg Type: L Avg Hold: 1 Trig: Free F	00/100 Run	1 2 3 4 5 6 M ₩ ₩ ₩ ₩ ₩ P N N N N N N		
Spectrum Scale/Div 10 dB	V			Ref LvI Offset Ref Level 20.0					41 875 GH -22.35 dBn
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70.0									
enter 2.442000 GH Res BW 3.0 kHz	Z			#Video BW 1	l0 kHz				 Span 5.000 M⊦ ?7 ms (1001 pt:

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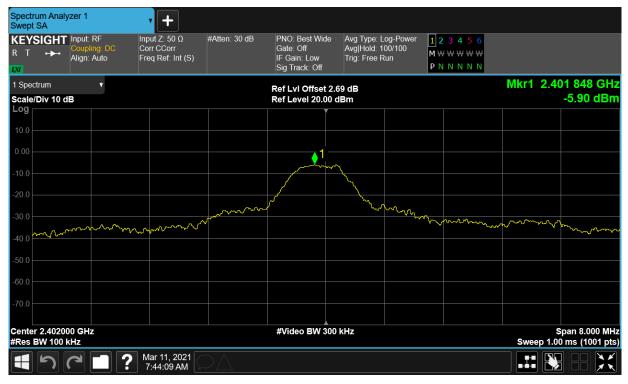
PSD NVNT BLE 2480MHz Ant1



Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-46.34	-20	Pass
NVNT	BLE	2480	Ant1	-28.04	-20	Pass

Band Edge NVNT BLE 2402MHz Ant1 Ref



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Project No.: JYTSZE2101008



Band Edge NVNT BLE 2402MHz Ant1 Emission



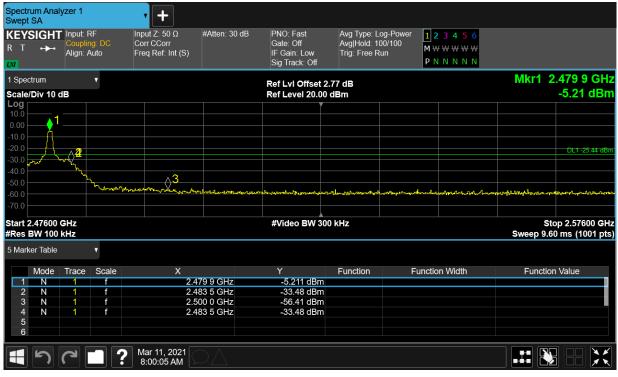
Band Edge NVNT BLE 2480MHz Ant1 Ref

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-Powe Avg Hold: 100/100 Trig: Free Run	ar 1 2 3 4 5 6 M ₩ ₩ ₩ ₩ ₩ P N N N N N		
1 Spectrum v Scale/Div 10 dB			Ref LvI Offset 2. Ref Level 20.00			Mkr1 2.4	79 960 GH -5.44 dBm
10.0							
0.00			1				
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50.0							
60.0							
Center 2.480000 GHz			#Video BW 300) kHz			Span 8.000 MH
	Mar 11, 2021 8:00:02 AM						00 ms (1001 pts

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Band Edge NVNT BLE 2480MHz Ant1 Emission

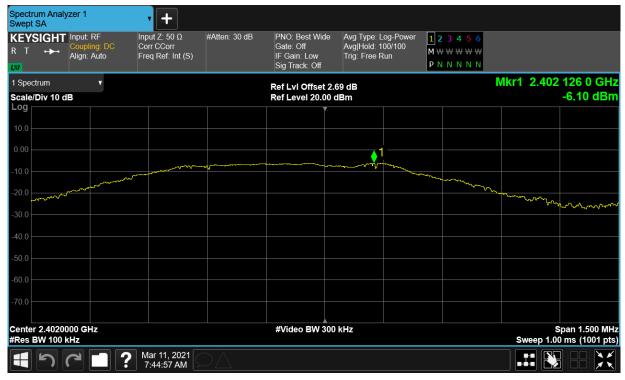


Conducted RF Spurious Emission

Condition	Mode Frequency (MHz)		Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-39.97	-20	Pass
NVNT	BLE	2442	Ant1	-38.96	-20	Pass
NVNT	BLE	2480	Ant1	-40.8	-20	Pass



Tx. Spurious NVNT BLE 2402MHz Ant1 Ref

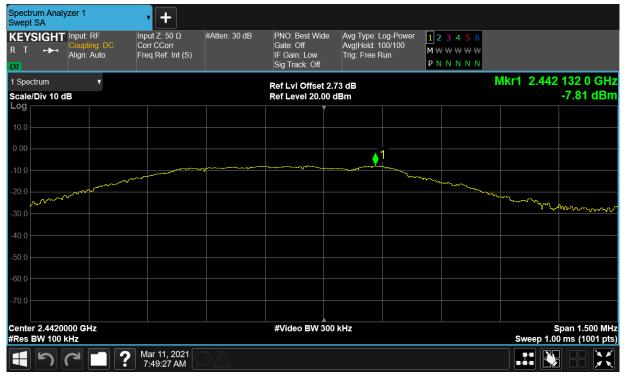


Tx. Spurious NVNT BLE 2402MHz Ant1 Emission





Tx. Spurious NVNT BLE 2442MHz Ant1 Ref

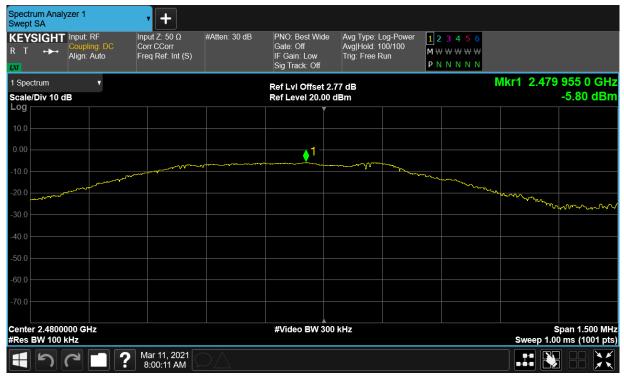


Tx. Spurious NVNT BLE 2442MHz Ant1 Emission





Tx. Spurious NVNT BLE 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 2480MHz Ant1 Emission

