

Test Data

Maximum Conducted Output Power

Condition	Mode	Frequency	Antenna	Conducted Power	Duty Factor	Total Power	Limit	Verdict
		(MHz)		(dBm)	(dB)	(dBm)	(dBm)	
NVNT	BLE	2402	Ant1	2.109	0	2.109	30	Pass
NVNT	BLE	2442	Ant1	2.707	0	2.707	30	Pass
NVNT	BLE	2480	Ant1	4.532	0	4.532	30	Pass

Power NVNT BLE 2402MHz Ant1

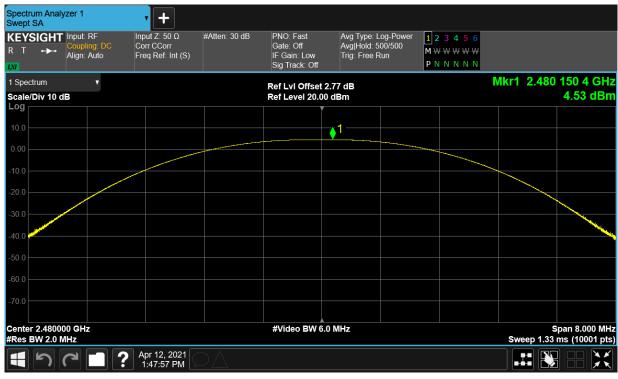


Power NVNT BLE 2442MHz Ant1





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	0.679	0.5	Pass
NVNT	BLE	2442	Ant1	0.672	0.5	Pass
NVNT	BLE	2480	Ant1	0.666	0.5	Pass

JianYan Testing Group Shenzhen Co., Ltd.

Project No.: JYTSZE2104032

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



-6dB Bandwidth NVNT BLE 2402MHz Ant1



-6dB Bandwidth NVNT BLE 2442MHz Ant1



-6dB Bandwidth NVNT BLE 2480MHz Ant1

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Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	1.041245638
NVNT	BLE	2442	Ant1	1.037349404
NVNT	BLE	2480	Ant1	1.028499401

OBW NVNT BLE 2402MHz Ant1





OBW NVNT BLE 2480MHz Ant1

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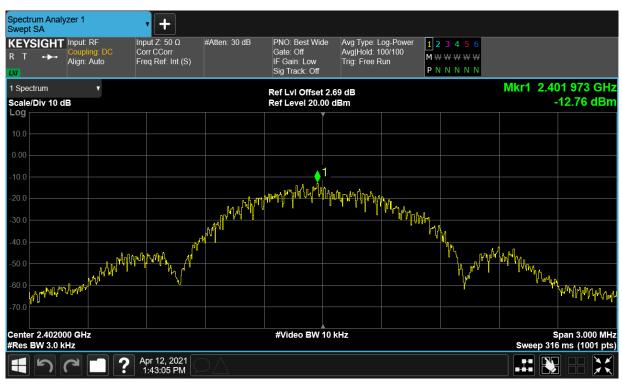


Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-12.765	8	Pass
NVNT	BLE	2442	Ant1	-12.064	8	Pass
NVNT	BLE	2480	Ant1	-10.245	8	Pass

PSD NVNT BLE 2402MHz Ant1





PSD NVNT BLE 2442MHz Ant1



PSD NVNT BLE 2480MHz Ant1

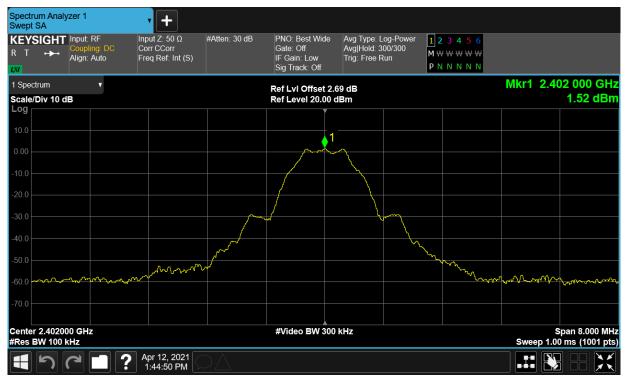




Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-57.76	-20	Pass
NVNT	BLE	2480	Ant1	-60.57	-20	Pass

Band Edge NVNT BLE 2402MHz Ant1 Ref



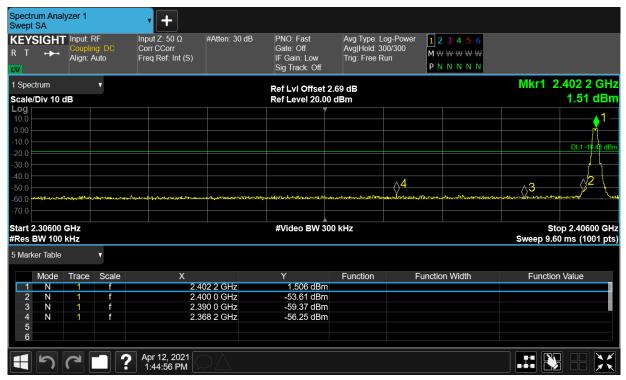
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Band Edge NVNT BLE 2402MHz Ant1 Emission

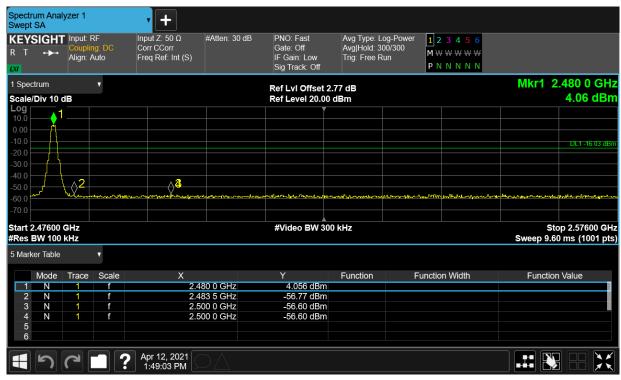


Band Edge NVNT BLE 2480MHz Ant1 Ref

Spectrum Analy Swept SA KEYSIGHT R T +>+	Input: RF Coupling: DC	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: L Avg Hold: 3 Trig: Free F	00/300 M	2 3 4 5 6 ₩₩₩₩₩ N N N N N		
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Res BW 100		Apr 12, 2021 1:48:57 PM						Sweep 1	.00 ms (1001 pts

Band Edge NVNT BLE 2480MHz Ant1 Emission



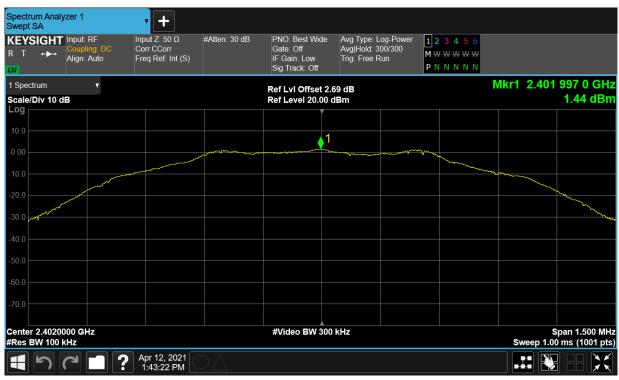


Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-48.95	-20	Pass
NVNT	BLE	2442	Ant1	-51.85	-20	Pass
NVNT	BLE	2480	Ant1	-54.18	-20	Pass

Tx. Spurious NVNT BLE 2402MHz Ant1 Ref





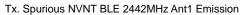




Tx. Spurious NVNT BLE 2442MHz Ant1 Ref









Tx. Spurious NVNT BLE 2480MHz Ant1 Ref



