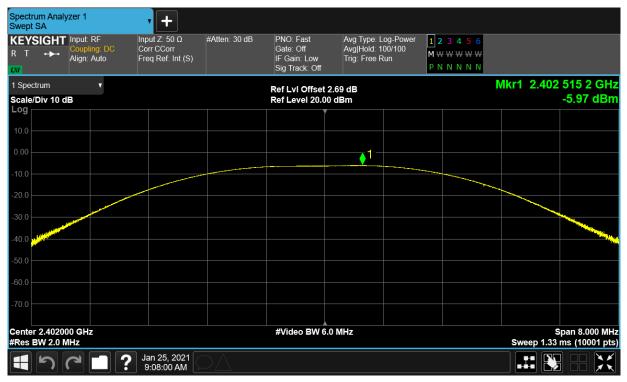


# Test Data

# **Maximum Conducted Output Power**

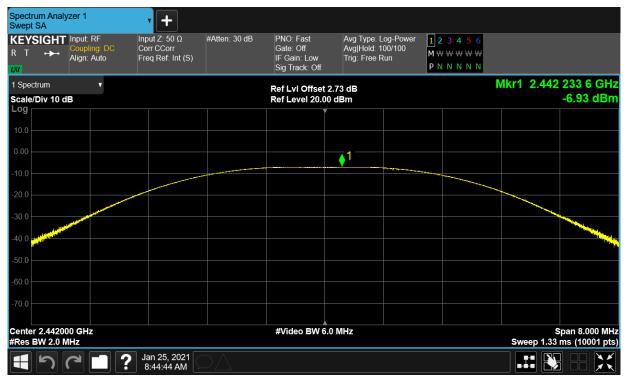
Condition	Mode	Frequency	Antenna	Conducted Power	Duty Factor	Total Power	Limit	Verdict
		(MHz)		(dBm)	(dB)	(dBm)	(dBm)	
NVNT	BLE	2402	Ant1	-5.972	0	-5.972	30	Pass
NVNT	BLE	2442	Ant1	-6.933	0	-6.933	30	Pass
NVNT	BLE	2480	Ant1	-6.918	0	-6.918	30	Pass

# Power NVNT BLE 2402MHz Ant1





#### Power NVNT BLE 2442MHz Ant1



## Power NVNT BLE 2480MHz Ant1

Spectrum Analyzer 1 Swept SA	<b>•</b> +					
KEYSIGHT 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: Loo Sig Track: 0		1 2 3 4 5 6 M \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
1 Spectrum ▼ Scale/Div 10 dB		Ref LvI Off Ref Level 2			Mkr1 2.479	504 8 GH -6.92 dBr
						-0.52 001
10.0						
0.00		<b>↓</b> 1				
20.0						
30.0						
40.0						
50.0						
60.0						
-70.0						
Center 2.480000 GHz #Res BW 2.0 MHz		#Video B\	0.0 MHz			Span 8.000 MI ms (10001 pt
<b>1</b> 7 7 <b>1</b>	<b>?</b> Jan 25, 2021 9:05:18 AM					

# -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE	2402	Ant1	1.157	0.5	Pass
NVNT	BLE	2442	Ant1	1.154	0.5	Pass
NVNT	BLE	2480	Ant1	1.155	0.5	Pass

JianYan Testing Group Shenzhen Co., Ltd.

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

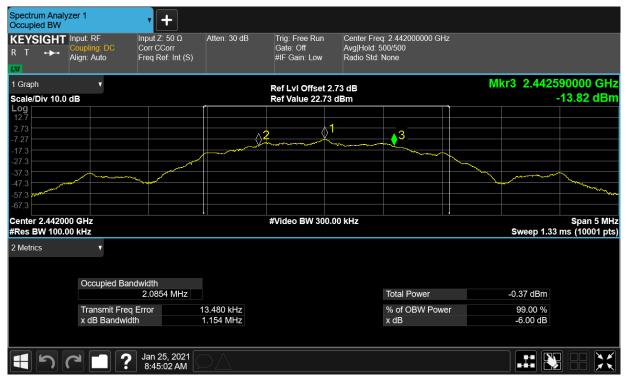
Project No.: JYTSZE2101099



## -6dB Bandwidth NVNT BLE 2402MHz Ant1



## -6dB Bandwidth NVNT BLE 2442MHz Ant1



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Project No.: JYTSZE2101099



## -6dB Bandwidth NVNT BLE 2480MHz Ant1



# **Occupied Channel Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	2.079422647
NVNT	BLE	2442	Ant1	2.075644231
NVNT	BLE	2480	Ant1	2.076406453



## OBW NVNT BLE 2402MHz Ant1



# OBW NVNT BLE 2442MHz Ant1





#### OBW NVNT BLE 2480MHz Ant1

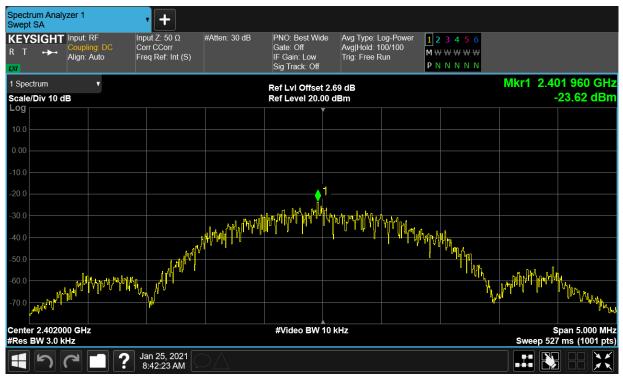


# **Maximum Power Spectral Density Level**

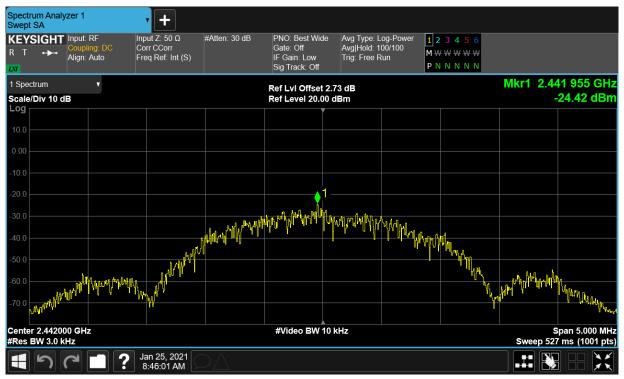
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-23.623	8	Pass
NVNT	BLE	2442	Ant1	-24.425	8	Pass
NVNT	BLE	2480	Ant1	-24.42	8	Pass



## PSD NVNT BLE 2402MHz Ant1



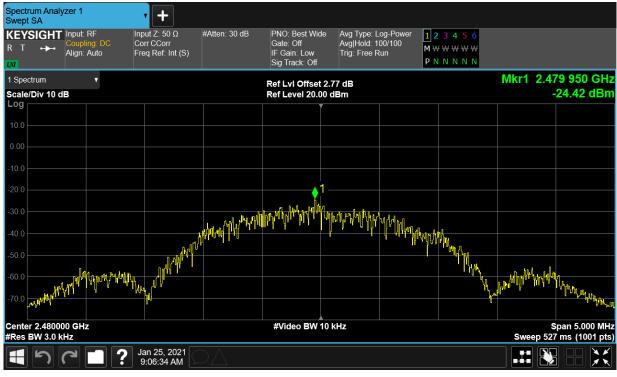
## PSD NVNT BLE 2442MHz Ant1



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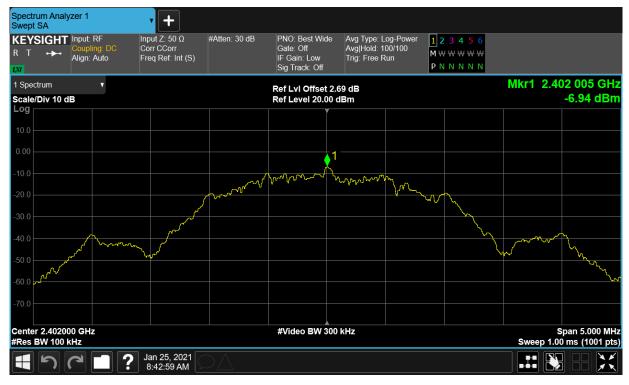
## PSD NVNT BLE 2480MHz Ant1



# **Band Edge**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-49.58	-20	Pass
NVNT	BLE	2480	Ant1	-48.91	-20	Pass

# Band Edge NVNT BLE 2402MHz Ant1 Ref

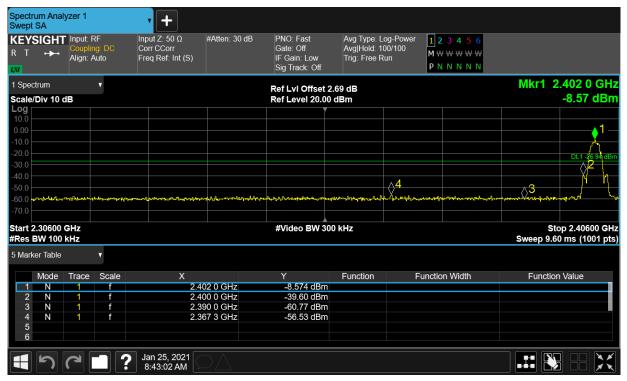


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Project No.: JYTSZE2101099



## Band Edge NVNT BLE 2402MHz Ant1 Emission

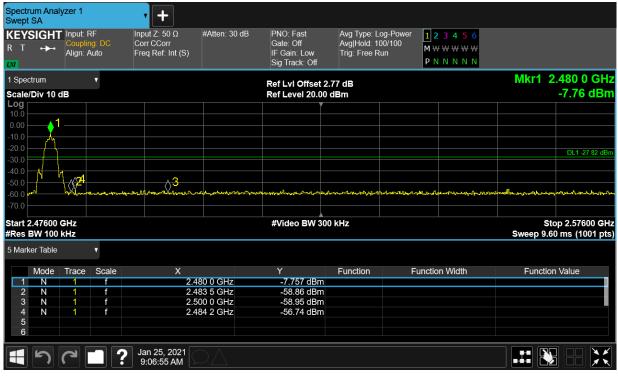


# Band Edge NVNT BLE 2480MHz Ant1 Ref





#### Band Edge NVNT BLE 2480MHz Ant1 Emission

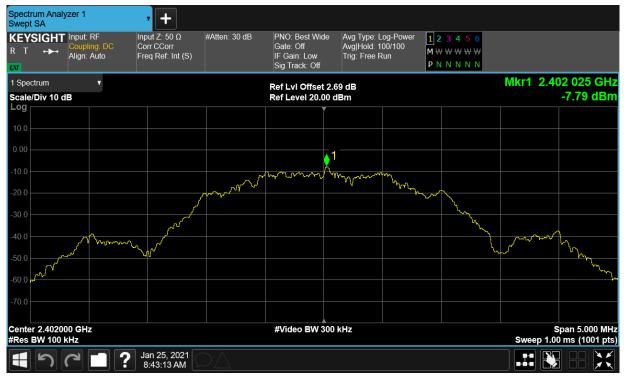


# **Conducted RF Spurious Emission**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-41.43	-20	Pass
NVNT	BLE	2442	Ant1	-39.17	-20	Pass
NVNT	BLE	2480	Ant1	-40.4	-20	Pass



#### Tx. Spurious NVNT BLE 2402MHz Ant1 Ref

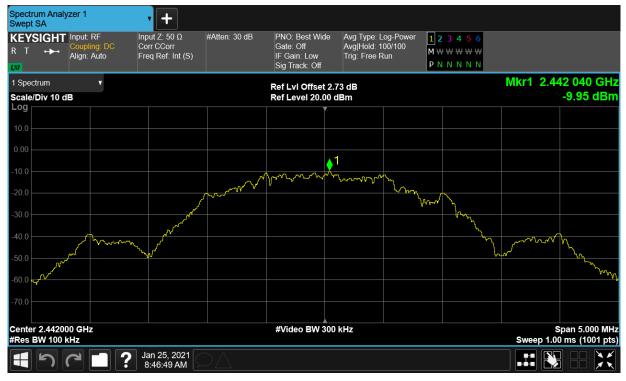


# Tx. Spurious NVNT BLE 2402MHz Ant1 Emission





#### Tx. Spurious NVNT BLE 2442MHz Ant1 Ref

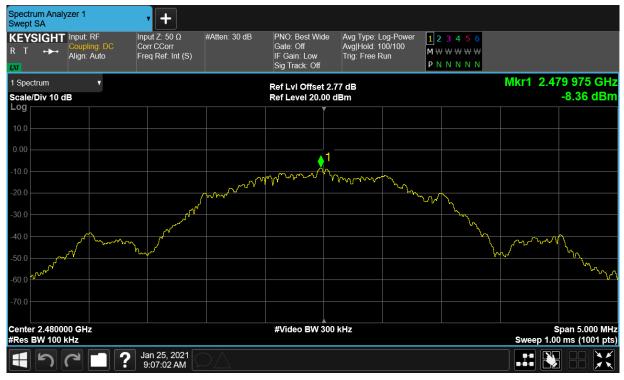


# Tx. Spurious NVNT BLE 2442MHz Ant1 Emission





#### Tx. Spurious NVNT BLE 2480MHz Ant1 Ref



# Tx. Spurious NVNT BLE 2480MHz Ant1 Emission

