

# 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	6.114	0	6.114	30	Pass
NVNT	BLE	2442	Ant1	5.845	0	5.845	30	Pass
NVNT	BLE	2480	Ant1	6.981	0	6.981	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	1.148	0.5	Pass
NVNT	BLE	2442	Ant1	1.16	0.5	Pass
NVNT	BLE	2480	Ant1	1.146	0.5	Pass

JianYan Testing Group Shenzhen Co., Ltd.

Project No.: JYTSZE2105055

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#### -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	NVNT BLE 24		Ant1	2.02635362
NVNT	BLE	2442	Ant1	2.030812684
NVNT	BLE	2480	Ant1	2.025770336

OBW NVNT BLE 2402MHz Ant1





OBW NVNT BLE 2480MHz Ant1

JianYan Testing Group Shenzhen Co., Ltd. Project No.: JYTSZE2105055 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



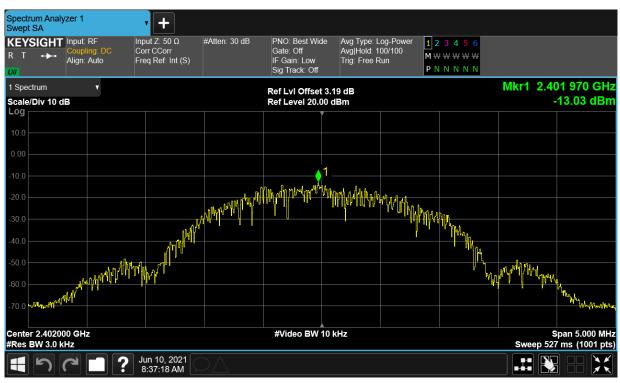


# Maximum Power Spectral Density Level

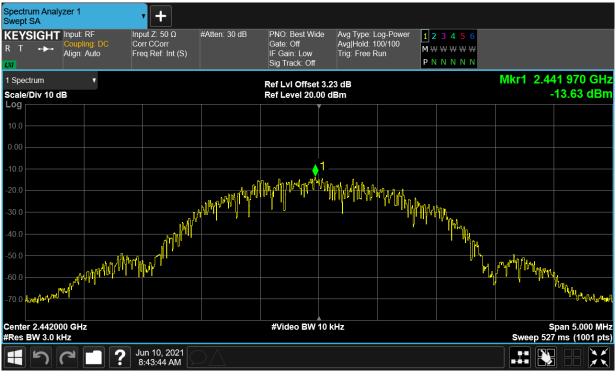
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-13.026	8	Pass
NVNT	BLE	2442	Ant1	-13.634	8	Pass
NVNT	BLE	2480	Ant1	-12.074	8	Pass

PSD NVNT BLE 2402MHz Ant1



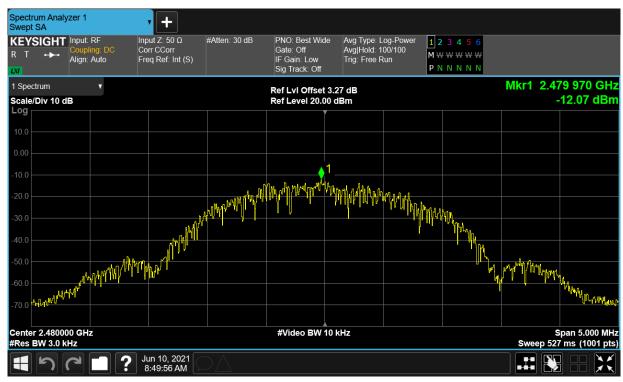


## PSD NVNT BLE 2442MHz Ant1



#### PSD NVNT BLE 2480MHz Ant1

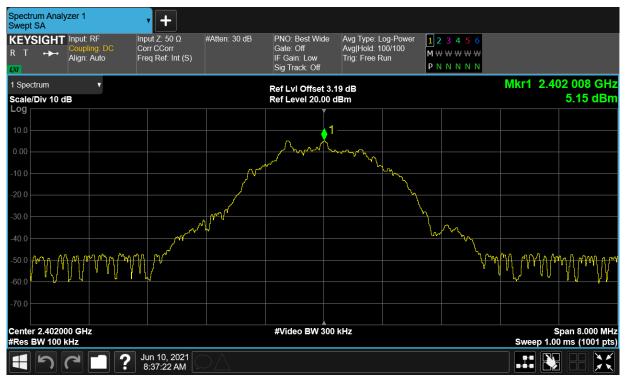




# **Band Edge**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-58.47	-20	Pass
NVNT	BLE	2480	Ant1	-54.92	-20	Pass

# Band Edge NVNT BLE 2402MHz Ant1 Ref



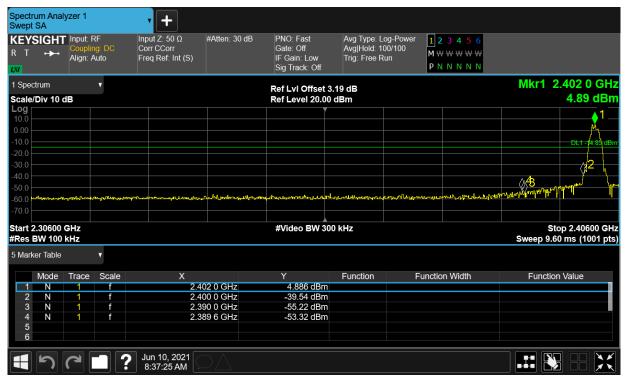
JianYan Testing Group Shenzhen Co., Ltd.

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Project No.: JYTSZE2105055



#### Band Edge NVNT BLE 2402MHz Ant1 Emission

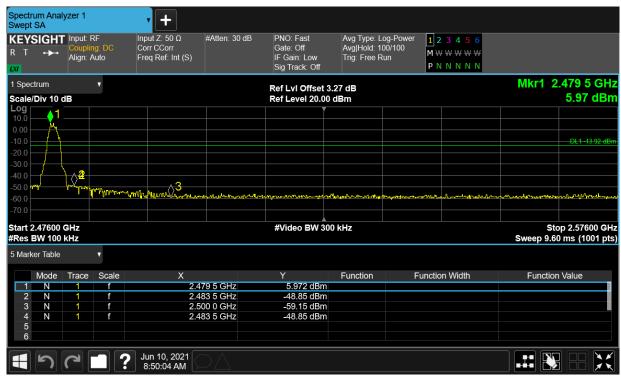


## Band Edge NVNT BLE 2480MHz Ant1 Ref



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





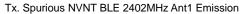
# **Conducted RF Spurious Emission**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-53.17	-20	Pass
NVNT	BLE	2442	Ant1	-52.77	-20	Pass
NVNT	BLE	2480	Ant1	-54.27	-20	Pass

Tx. Spurious NVNT BLE 2402MHz Ant1 Ref





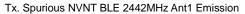


T +►+	Input: Coupli Align: J	ng: DC	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S)	#Atten: 30 dB	PNO: Fast Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log Avg Hold: 10/ Trig: Free Rur	10 n	1 2 3 4 5 6 M₩₩₩₩₩₩ P N N N N N		
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Mode	Trace	Scale	X		Y	Function	Fun	ction Width	Functior	n Value
1 N 2 N	1	f		2.412 GHz 6.315 GHz	5.294 dBm -47.99 dBm					
3 N	1	f		1.795 GHz	-47.99 dBm -51.77 dBm					
4 N	1	f		7.336 GHz	-54.12 dBm					
5 N	1	f	Ş	9.453 GHz	-53.44 dBm					
6										

Tx. Spurious NVNT BLE 2442MHz Ant1 Ref



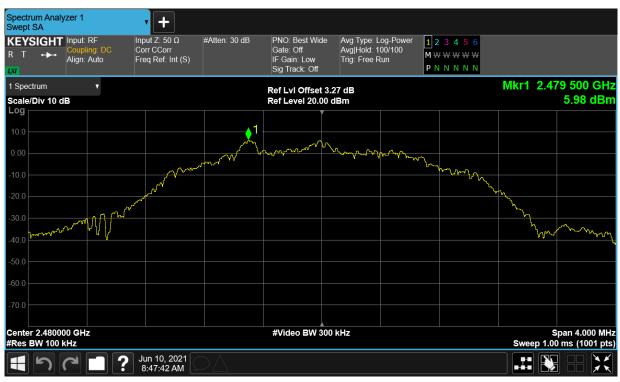


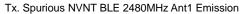




Tx. Spurious NVNT BLE 2480MHz Ant1 Ref







EYSIGH⊺ ⊺ ⊶⊷	Input: F Couplir Align: A	ng: DC	Corr C	Z: 50 Ω Corr 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	0/10	1 2 3 4 5 6 M W W W W W P N N N N N		
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Mode	Trace	Scale		Х			Y	Function	F	unction Width	Function	n Value
1 N 2 N	1	f			2.492 GHz 6.262 GHz		6.098 dBm -48.30 dBm					
2 N 3 N	1	f			1.980 GHZ		-52.37 dBm					
4 N	1	f			7.442 GHz		-53.56 dBm					
5 N	1	f			9.903 GHz		-54.32 dBm					
6												