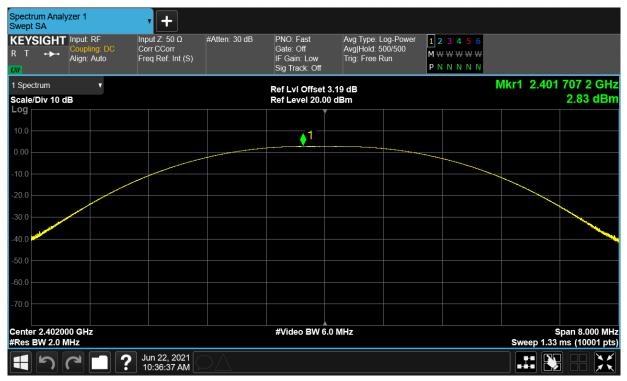


# **Test Data**

# **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	2.834	0	2.834	30	Pass
NVNT	BLE	2442	Ant1	2.106	0	2.106	30	Pass
NVNT	BLE	2480	Ant1	1.58	0	1.58	30	Pass

#### Power NVNT BLE 2402MHz Ant1

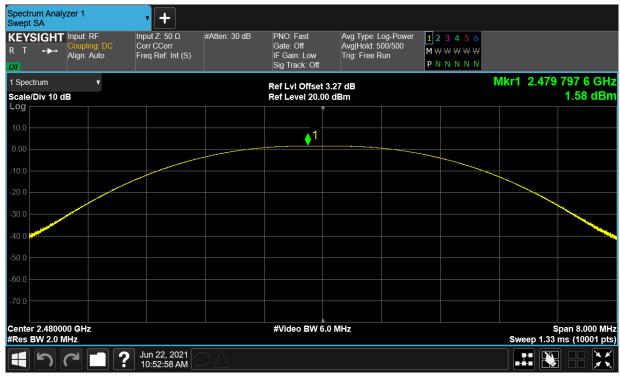


Power NVNT BLE 2442MHz Ant1





#### 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	0.681	0.5	Pass
NVNT	BLE	2442	Ant1	0.675	0.5	Pass
NVNT	BLE	2480	Ant1	0.689	0.5	Pass

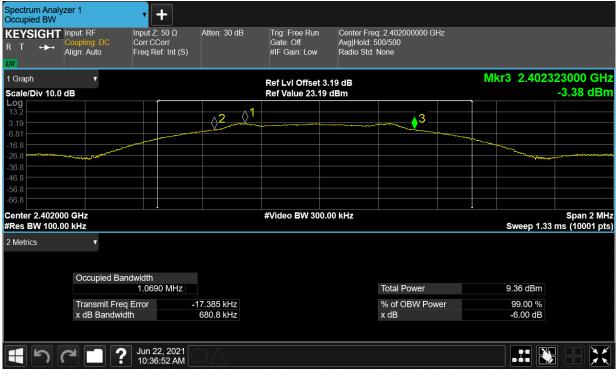
JianYan Testing Group Shenzhen Co., Ltd.

Project No.: JYTSZE2106016

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

JianYan 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





## **Occupied Channel Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	1.059777722
NVNT	BLE	2442	Ant1	1.067869622
NVNT	BLE	2480	Ant1	1.057672033

OBW NVNT BLE 2402MHz Ant1





OBW NVNT BLE 2480MHz Ant1



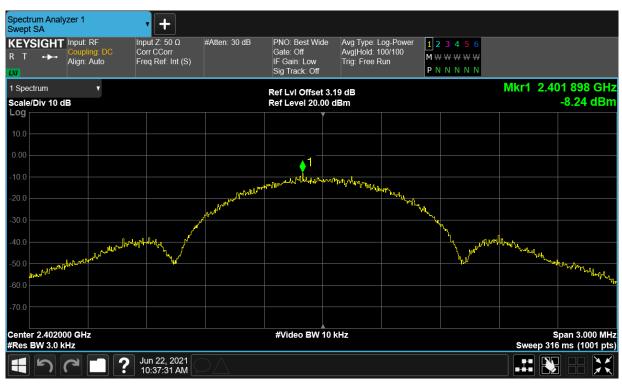


# **Maximum Power Spectral Density Level**

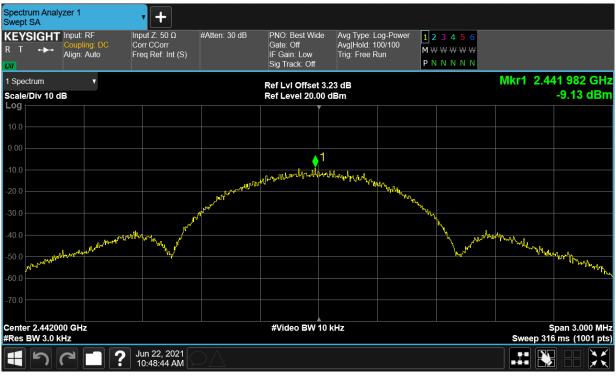
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-8.238	8	Pass
NVNT	BLE	2442	Ant1	-9.133	8	Pass
NVNT	BLE	2480	Ant1	-10.5	8	Pass

PSD NVNT BLE 2402MHz Ant1



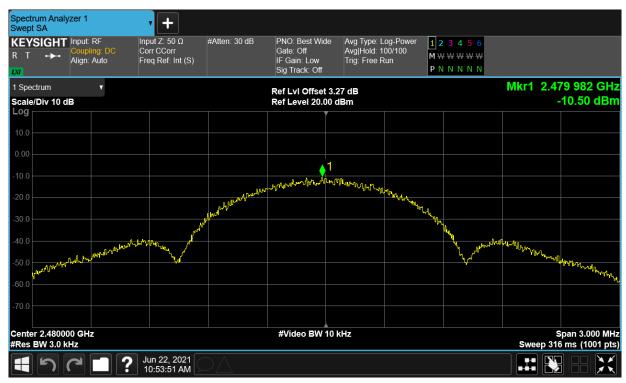


## PSD NVNT BLE 2442MHz Ant1



#### PSD NVNT BLE 2480MHz Ant1

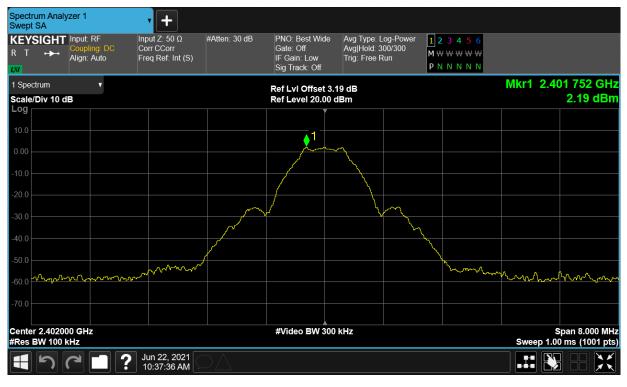




## **Band Edge**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-57.69	-20	Pass
NVNT	BLE	2480	Ant1	-56.31	-20	Pass

## Band Edge NVNT BLE 2402MHz Ant1 Ref



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

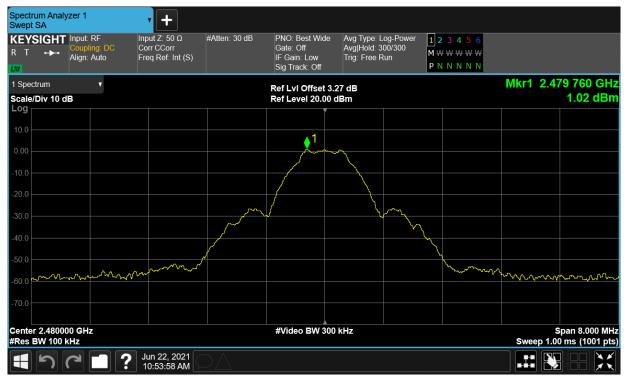
Project No.: JYTSZE2106016



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

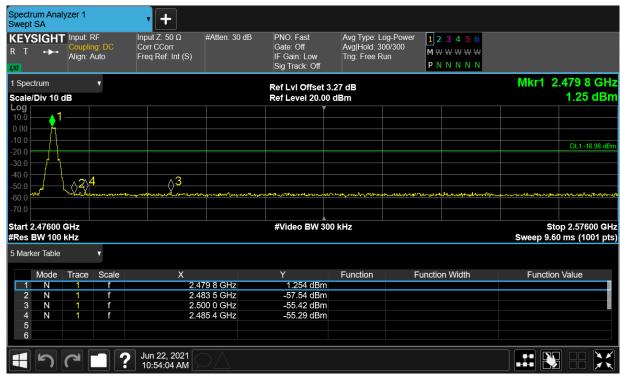
Swept		•		• +					
KEY	SIGHT	Input: I	RF ng: DC	Input Z: 50 Ω Corr CCorr	#Atten: 30 dB	PNO: Fast Gate: Off	Avg Type: Lo Avg Hold: 30	0/200	
RΤ	••••	Align: /		Freq Ref: Int (S)		IF Gain: Low	Trig: Free R		<mark>∀</mark>
LXI						Sig Track: Off		PNNNN	4
1 Spec	trum Div 10 c	1D	•			Ref LvI Offset Ref Level 20.0			Mkr1 2.402 2 GHz 2.82 dBm
Log						Rei Levei 20.0			2.02 0.011
10.0									
0.00									
-10.0									DL1 -17.82 dBm
-20.0 -30.0									/ \
-40.0									
-50.0 -									3∕2 \
-60.0	هوامروليسر	Mannagal	ณหมายการที่การรู้	Worndan เหตุสุรายาโลการการป	<u>๚๛๛๚๛ฅ๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛๛</u>	marthand marantice	water Constructions	-	mound man the
-70.0									
Start 2	2.30600	GHz				#Video BW 3	00 kHz		Stop 2.40600 GHz
#Res I	<b>3W 100</b>	kHz							Sweep 9.60 ms (1001 pts)
5 Mark	er Table		•						
	Mode	Trace	Scale	Х		Y	Function	Function Width	Function Value
1	N	1	f		02 2 GHz	2.816 dBm			
2	N	1	f		00 0 GHz	-52.87 dBm			
3 4	N N	1	f f		90 0 GHz 76 8 GHz	-58.48 dBm -55.50 dBm			
5				2.3					
6									
				Jun 22, 2021	$\sim$ $\wedge$				
	5			10:37:42 AM					

## Band Edge NVNT BLE 2480MHz Ant1 Ref



## Band Edge NVNT BLE 2480MHz Ant1 Emission





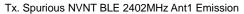
# **Conducted RF Spurious Emission**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-51.99	-20	Pass
NVNT	BLE	2442	Ant1	-51.72	-20	Pass
NVNT	BLE	2480	Ant1	-50.4	-20	Pass

Tx. Spurious NVNT BLE 2402MHz Ant1 Ref



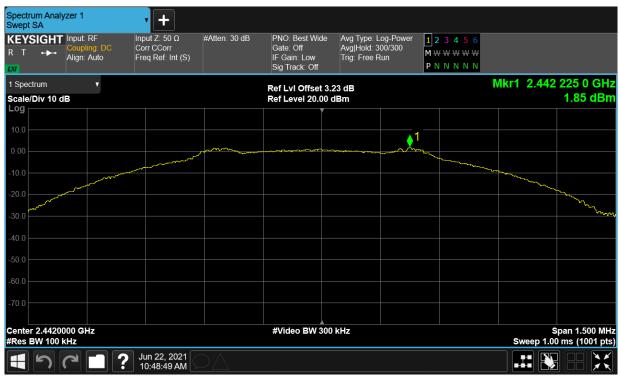


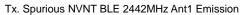


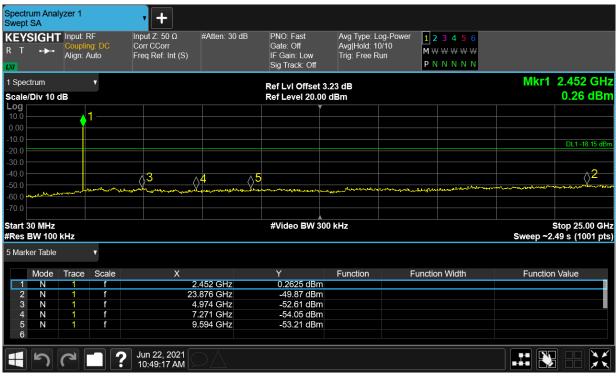


Tx. Spurious NVNT BLE 2442MHz Ant1 Ref









Tx. Spurious NVNT BLE 2480MHz Ant1 Ref



