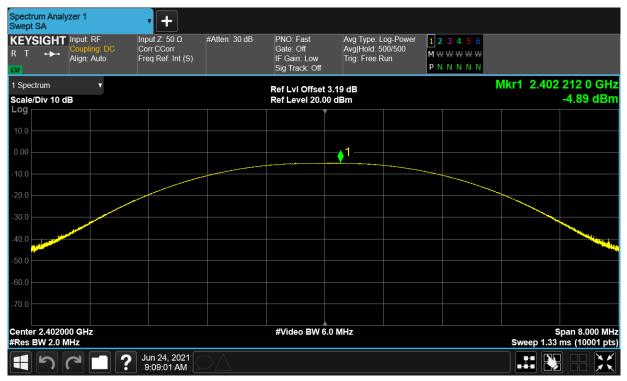


Test Data

Maximum Conducted Output Power

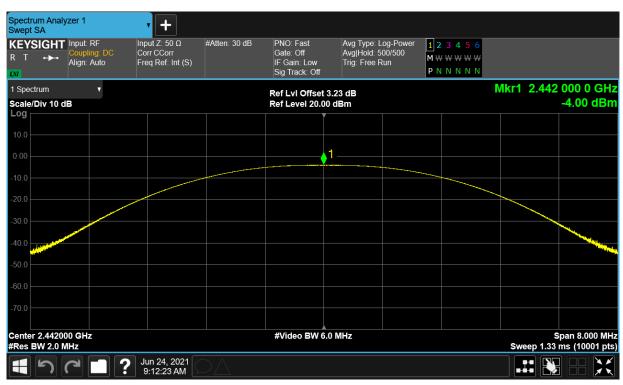
Condition	Mode	Frequency	Antenna	Conducted Power	Duty Factor	Total Power	Limit	Verdict
		(MHz)		(dBm)	(dB)	(dBm)	(dBm)	
NVNT	BLE	2402	Ant1	-4.891	0	-4.891	30	Pass
NVNT	BLE	2442	Ant1	-3.997	0	-3.997	30	Pass
NVNT	BLE	2480	Ant1	-4.485	0	-4.485	30	Pass

Power NVNT BLE 2402MHz Ant1

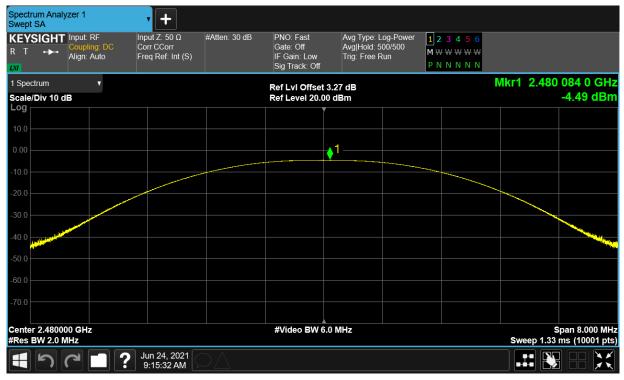


Power NVNT BLE 2442MHz Ant1





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	0.68	0.5	Pass
NVNT	BLE	2442	Ant1	0.678	0.5	Pass
NVNT	BLE	2480	Ant1	0.675	0.5	Pass

JianYan Testing Group Shenzhen Co., Ltd.

Project No.: JYTSZE2105084

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.

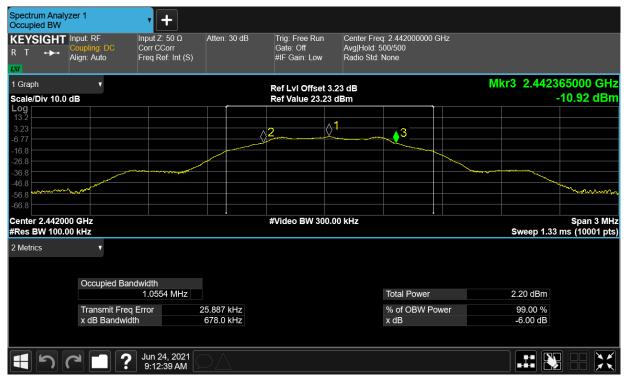
Tel: +86-755-23118282, Fax: +86-755-23116366



-6dB Bandwidth NVNT BLE 2402MHz Ant1



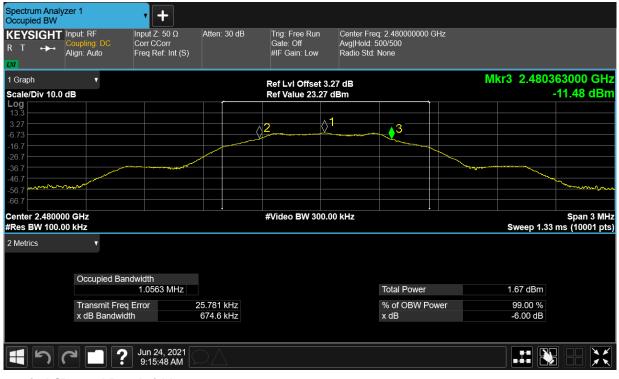
-6dB Bandwidth NVNT BLE 2442MHz Ant1



JianYan Testing Group Shenzhen Co., Ltd. Project No.: JYTSZE2105084 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 Page 3 of 14



-6dB Bandwidth NVNT BLE 2480MHz Ant1



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE	2402	Ant1	1.037595085
NVNT	BLE	2442	Ant1	1.041059895
NVNT	BLE	2480	Ant1	1.042770472



OBW NVNT BLE 2402MHz Ant1



OBW NVNT BLE 2442MHz Ant1



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OBW NVNT BLE 2480MHz Ant1

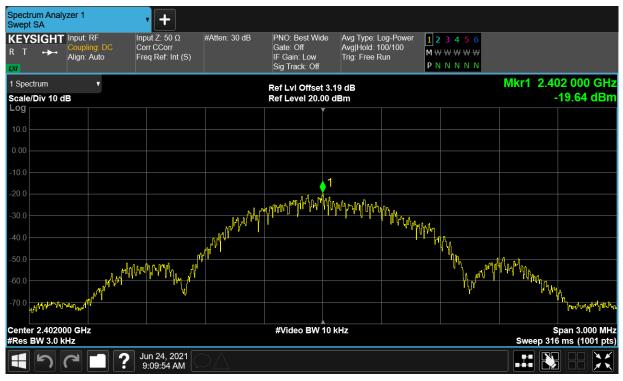


Maximum Power Spectral Density Level

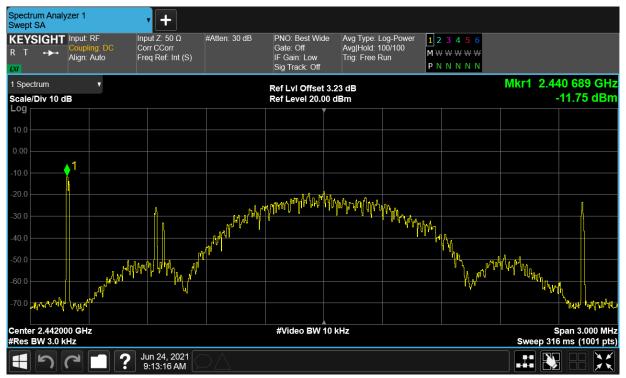
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-19.643	8	Pass
NVNT	BLE	2442	Ant1	-11.746	8	Pass
NVNT	BLE	2480	Ant1	-19.397	8	Pass



PSD NVNT BLE 2402MHz Ant1



PSD NVNT BLE 2442MHz Ant1



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PSD NVNT BLE 2480MHz Ant1

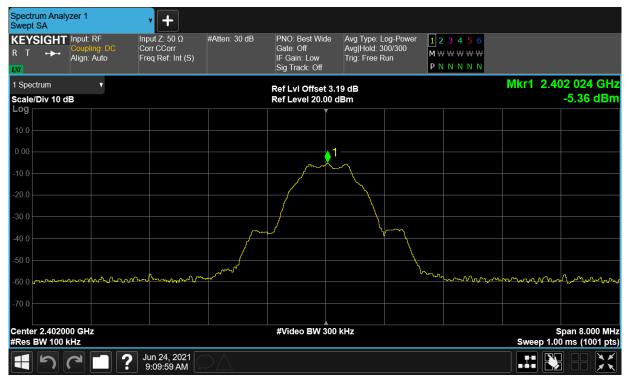


Band Edge

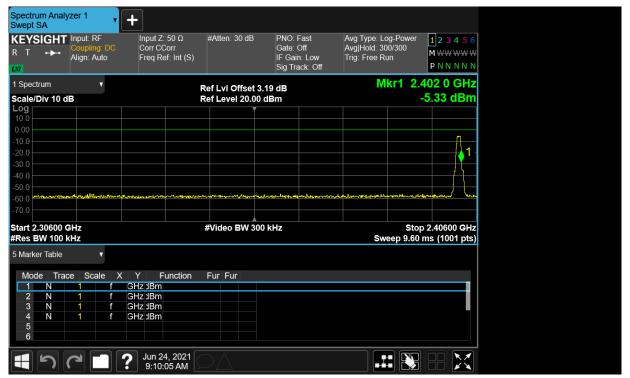
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-50.29	-20	Pass
NVNT	BLE	2480	Ant1	-49.68	-20	Pass



Band Edge NVNT BLE 2402MHz Ant1 Ref

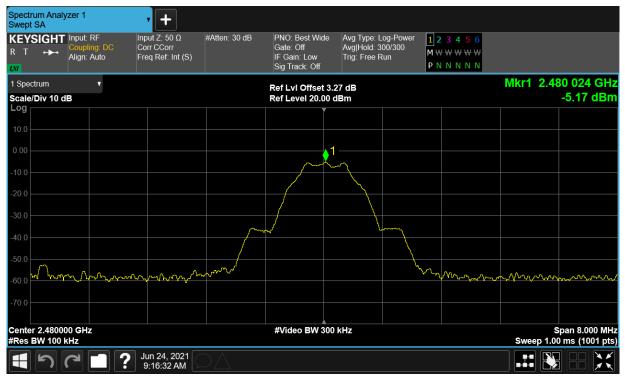


Band Edge NVNT BLE 2402MHz Ant1 Emission





Band Edge NVNT BLE 2480MHz Ant1 Ref



Band Edge NVNT BLE 2480MHz Ant1 Emission

Spectrum Anal Swept SA KEYSIGHT R T +>+		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: L Avg Hold: 3 Trig: Free F	00/300	1 2 3 4 5 6 M \vee vee vee vee vee vee vee vee vee ve		
1 Spectrum Scale/Div 10 o	B	v			Ref LvI Offset Ref Level 20.0				Mkr1 2	.479 8 GHz -5.27 dBm
Log 10.0 0.00 -10.0 -20.0 -30.0 -50.0 -50.0 -50.0 -70.0 Start 2.47600 #Res BW 100		4			//////////////////////////////////////		ere startestor			DL1-25-17 dBn DL1-25-17 dBn DP 2.57600 GH 0 ms (1001 pts
5 Marker Table		V								
Mode	Trace	Scale	X		Y 5 074 dBm	Function	F	unction Width	Function	n Value
1 N 2 N	1	f		79 8 GHz 33 5 GHz	-5.274 dBm -56.69 dBm					
2 N 3 N	1	f		00 0 GHz	-58.54 dBm					
4 N 5 6	1	f		38 6 GHz	-54.85 dBm					
ר ד	6	- ?	Jun 24, 2021 9:16:38 AM							

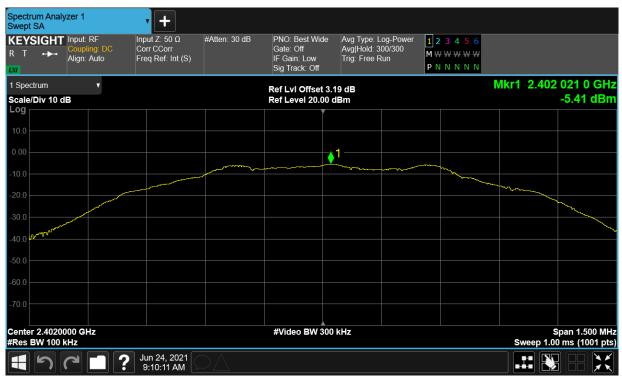
Jian Yan Testing Group Shenzhen Co., Ltd. Project No.: JYTSZE2105084 No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China. Tel: +86-755-23118282, Fax: +86-755-23116366 Page 10 of 14



Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-43.96	-20	Pass
NVNT	BLE	2442	Ant1	-32.72	-20	Pass
NVNT	BLE	2480	Ant1	-31.61	-20	Pass

Tx. Spurious NVNT BLE 2402MHz Ant1 Ref





Tx. Spurious NVNT BLE 2402MHz Ant1 Emission



Tx. Spurious NVNT BLE 2442MHz Ant1 Ref

Spectrum Anal Swept SA		• +							
KEYSIGHT R T +>+	Input: RF Coupling: DC Align: Auto	Input Ζ: 50 Ω Corr CCorr Freq Ref: Int (S)	#Atten: 30 dB	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	e Avg Type: L Avg Hold: 3 Trig: Free R	00/300	1 2 3 4 5 6 M W W W W W P N N N N N		
1 Spectrum	•			Ref LvI Offset				Mkr1 2.442	
Scale/Div 10 c	IB			Ref Level 20.0	0 dBm	1			-4.16 dBm
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0.00					♦ ¹				
-10.0								~~~~	
-20.0									
-30.0	- And a start and a start a st								- man
-40.0	~								n n n n n n n n n n n n n n n n n n n
-50.0									
-60.0									
-70.0									
Center 2.4420 #Res BW 100				#Video BW 3	00 kHz				Span 1.500 MHz 0 ms (1001 pts)
王 り	C □ ?	Jun 24, 2021 9:13:22 AM							



Tx. Spurious NVNT BLE 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 2480MHz Ant1 Ref

Spectrum Anal Swept SA		• +						
KEYSIGHT R T ++	Input: RF Coupling: DC Align: Auto	Input Ζ: 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-Power Avg Hold: 300/300 Trig: Free Run	1 2 3 4 5 6 M \vee vee vee vee P N N N N N		
1 Spectrum	•			Ref LvI Offset 3			Mkr1 2.480	
Scale/Div 10 c	JB			Ref Level 20.00	dBm			-5.18 dBm
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10.0								
0.00					↓ 1			
-10.0								
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-40.0								
-50.0								
-60.0								
-70.0								
Center 2.4800				#Video BW 30	0 // //-			Chan 4 500 Mille
#Res BW 100				#VIGEO BW 30	UKHZ			Span 1.500 MHz 0 ms (1001 pts)
1 5	C 🗌 ?	Jun 24, 2021 9:16:45 AM						



⊺ +≯-	T Input: F Couplin Align: A	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-P Avg Hold: 10/10 Trig: Free Run	ower 123456 M₩₩₩₩₩ PNNNNN		
pectrum ale/Div 10	dB	v			Ref LvI Offset 3 Ref Level 20.00			Mkr1	2.477 GI -5.57 dB
9 .0 00 .0		1							
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nrt 30 MHz es BW 10					#Video BW 30	0 kHz			Stop 25.00 (49 s (1001)
1arker Table		▼							
Mode 1 N	Trace	Scale	X	.477 GHz	Y -5.573 dBm	Function	Function Width	Functior	i Value
	1	f		879 MHz	-36.79 dBm				
2 N	1	f		.899 GHz	-53.70 dBm				
2 N 3 N		f		.521 GHz	-54.68 dBm				
	1								

Tx. Spurious NVNT BLE 2480MHz Ant1 Emission