

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	-0.117	0	-0.117	30	Pass
NVNT	BLE	2442	Ant1	-1.824	0	-1.824	30	Pass
NVNT	BLE	2480	Ant1	-2.373	0	-2.373	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	0.664	0.5	Pass
NVNT	BLE	2442	Ant1	0.661	0.5	Pass
NVNT	BLE	2480	Ant1	0.662	0.5	Pass

-6dB Bandwidth NVNT BLE 2402MHz Ant1

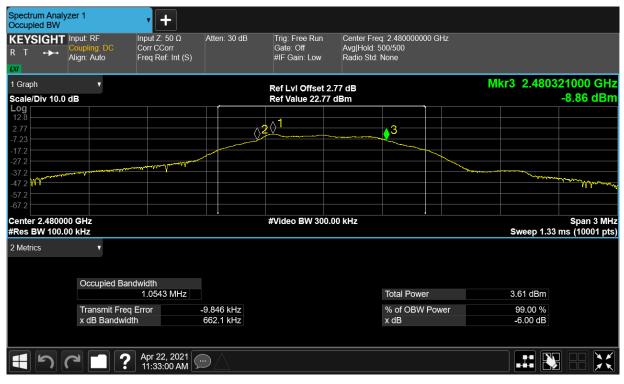




-6dB Bandwidth NVNT BLE 2442MHz Ant1



-6dB Bandwidth NVNT BLE 2480MHz Ant1



JianYan Testing Group Shenzhen Co., Ltd. Project No.: JYTSZE2104081 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	1.028537302
NVNT	BLE	2442	Ant1	1.034042486
NVNT	BLE	2480	Ant1	1.032305075

OBW NVNT BLE 2402MHz Ant1

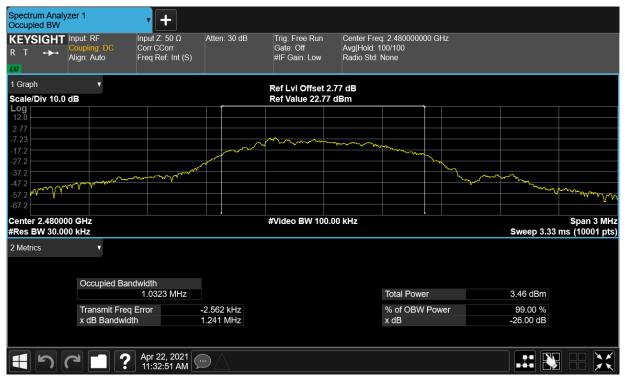




OBW NVNT BLE 2442MHz Ant1



OBW NVNT BLE 2480MHz Ant1





Maximum Power Spectral Density Level

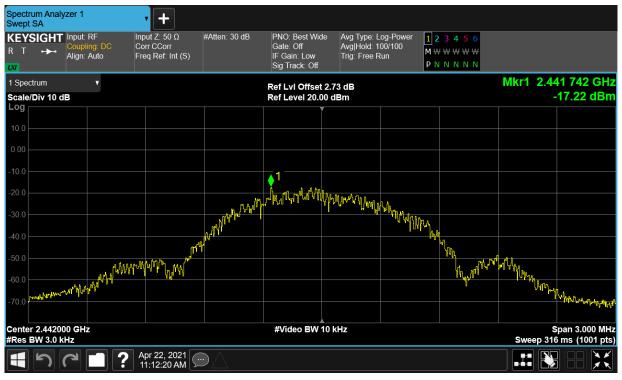
Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE	2402	Ant1	-17.823	8	Pass
NVNT	BLE	2442	Ant1	-17.222	8	Pass
NVNT	BLE	2480	Ant1	-17.639	8	Pass

PSD NVNT BLE 2402MHz Ant1





PSD NVNT BLE 2442MHz Ant1



PSD NVNT BLE 2480MHz Ant1



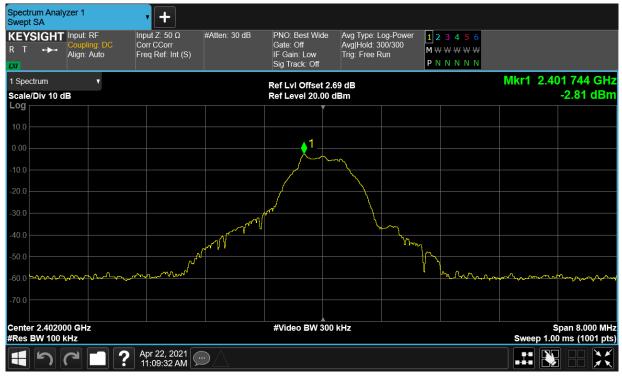
JianYan Testing Group Shenzhen Co., Ltd. No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China. Tel: +86-755-23118282, Fax: +86-755-23116366



Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-53.83	-20	Pass
NVNT	BLE	2480	Ant1	-53.46	-20	Pass





Band Edge NVNT BLE 2402MHz Ant1 Emission



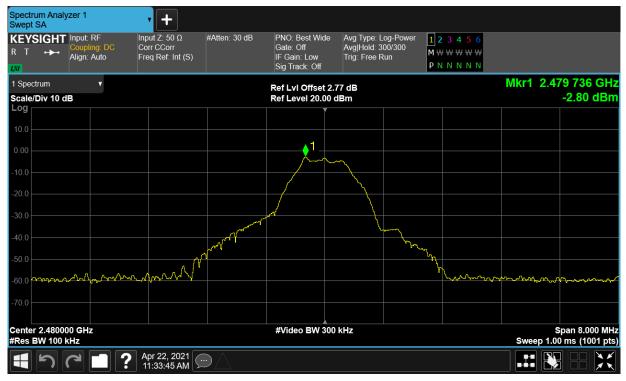
JianYan Testing Group Shenzhen Co., Ltd.

Project No.: JYTSZE2104081

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



Band Edge NVNT BLE 2480MHz Ant1 Ref



Band Edge NVNT BLE 2480MHz Ant1 Emission

Spectrum Anal Swept SA KEYSIGHT R T +>+	Input: I	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 R	00/300	1 2 3 4 5 6 M₩₩₩₩₩₩ P N N N N N		
1 Spectrum Scale/Div 10 c	B	T			Ref LvI Offset Ref Level 20.0				Mkr1 2	.479 7 GHz -2.62 dBm
Log 10.0 -10.0 -20.0 -30.0 -20.0 -30.0 -40.0 -50.0 -50.0 -70.0 Start 2.47600 /	GHz	Perfect and the Perf		And the part of the control of the c	#Video BW 3	00 kHz	had a circle a circle	4014 m/200 6-11/20 12/2	star anti-fundational	DL1-22.80 dBr
#Res BW 100 5 Marker Table	kHz	v							Sweep 9.6	0 ms (1001 pt:
Mode	Trace	Scale	Х		Y	Function	Fu	nction Width	Functior	n Value
1 N	1	f		79 7 GHz	-2.624 dBm					
2 N	1	f		83 5 GHz	-58.25 dBn					
3 N	1	f		00 0 GHz	-58.92 dBn					
4 N 5 6	1	f	2.4	97 7 GHz	-56.26 dBn					
ר ד	2		Apr 22, 2021 11:33:51 AM							



Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE	2402	Ant1	-47.57	-20	Pass
NVNT	BLE	2442	Ant1	-47.41	-20	Pass
NVNT	BLE	2480	Ant1	-47.09	-20	Pass

Tx. Spurious NVNT BLE 2402MHz Ant1 Ref





Tx. Spurious NVNT BLE 2402MHz Ant1 Emission



Tx. Spurious NVNT BLE 2442MHz Ant1 Ref



Project No.: JYTSZE2104081



Tx. Spurious NVNT BLE 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 2480MHz Ant1 Ref





YSIGHT ⊺ • → •	Input: F Couplir 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 Avg Hold: 10/1 Trig: Free Run	10	1 2 3 4 5 6 M \vee \vee \vee \vee \vee \vee V P N N N N N		
pectrum ale/Div 10 c	B	V			Ref LvI Offset 2 Ref Level 20.00				Mkr1	2.477 Gl -2.68 dB
g .0 00		1								
.0										DL1 -22.63 c
.0		man and and the second s	3	A A	~5 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Autoline Constraints	لسقارهم الحاقي وروي	ليوريون ويوري ويورون	and the second	af a little and a start of the
.0 .0 rt 30 MHz					#Video BW 30	00 kHz				Stop 25.00 G
es BW 100 larker Table	kHz	v							Sweep ~2.	49 s (1001 j
Mode	Trace	Scale	Х		Y	Function	Fu	nction Width	Functior	ı Value
1 N	1	f		2.477 GHz	-2.680 dBm					
2 N	1	f f		4.975 GHz	-49.72 dBm					
3 N 4 N	1	f		4.924 GHz 7.471 GHz	-51.83 dBm -55.02 dBm					
4 N 5 N 6	1	f		0.093 GHz	-54.25 dBm					

Tx. Spurious NVNT BLE 2480MHz Ant1 Emission