

20dB BW Bandwidth Measurement Results					
Mode	Channel Number	Channel Frequency (MHz)	Modulation	Bit Rate (Mbps)	Measured 20dB Bandwidth (MHz)
BT BR	2	2402	GFSK	-	1.07
	41	2441		-	1.06
	80	2480		-	0.987
BLE 1	2	2402	GMSK	1	1.22
	41	2441		1	1.23
	80	2480		1	1.22
BLE 2	2	2402	GMSK	2	2.14
	41	2441		2	2.14
	80	2480		2	2.14
ANT	2	2402	GFSK	-	1.13
	41	2441		-	1.04
	80	2480		-	0.996
<b>Result:</b>					<b>Complies</b>

Compliance to §15.215(c):

Largest Measured 20dB BW < 2.2MHz, 50% BW < 1.1MHz

LBE = 2402MHz - 1.1MHz = 2400.9MHz > 2400MHz

UBE = 2480MHz + 1.1MHz = 2481.1MHz < 2483.5MHz

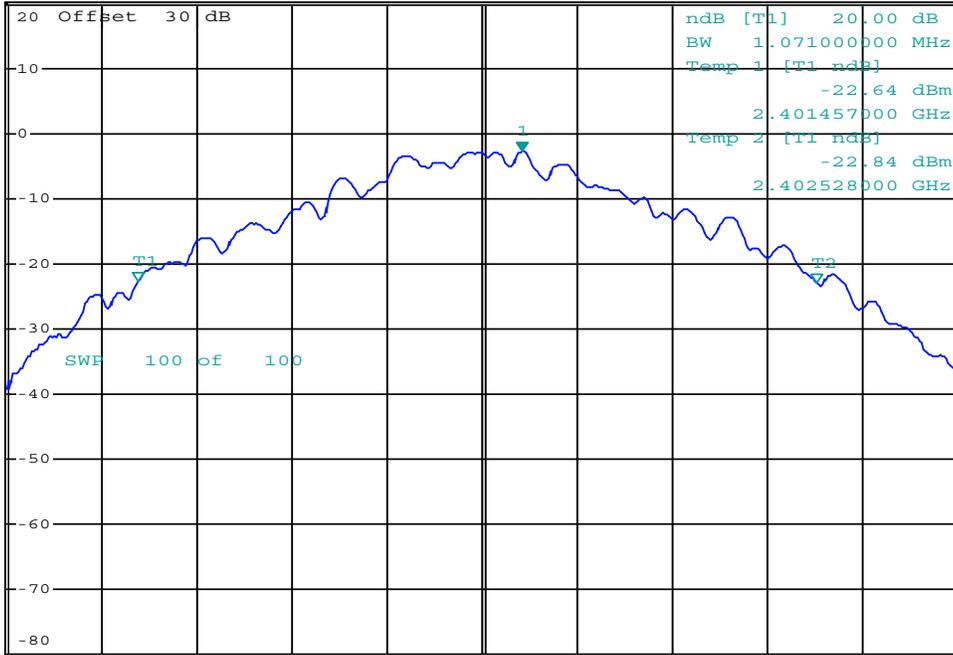
# 20dB Bandwidth: BlueTooth BR



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 100 kHz    -2.73 dBm  
 \*SWT 20 ms    2.402063000 GHz

Ref 20 dBm    \*Att 10 dB

1 PK  
VIEW



Center 2.402 GHz    150 kHz/    Span 1.5 MHz

Date: 29.MAY.2021 13:21:16

Channel Number: **2**

Channel Frequency (MHz): **2402**

20dB Bandwidth (MHz): **1.071**

Modulation: **GFSK**

Bit Rate (Mbps): **-**

## 20dB Bandwidth: BlueTooth

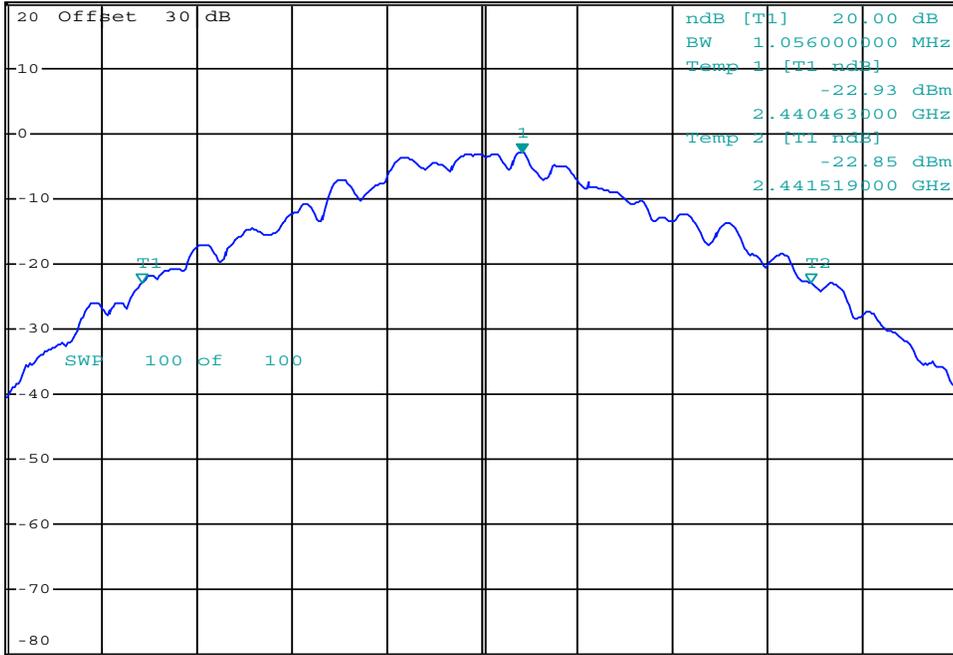


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 100 kHz    -2.89 dBm  
 \*SWT 20 ms    2.441063000 GHz

Ref 20 dBm

\*Att 10 dB

1 PK  
VIEW



Center 2.441 GHz    150 kHz/    Span 1.5 MHz

Date: 29.MAY.2021 13:20:37

Channel Number: **41**

Channel Frequency (MHz): **2441**

20dB Bandwidth (MHz): **1.056**

Modulation: **GFSK**

Bit Rate (Mbps): **-**

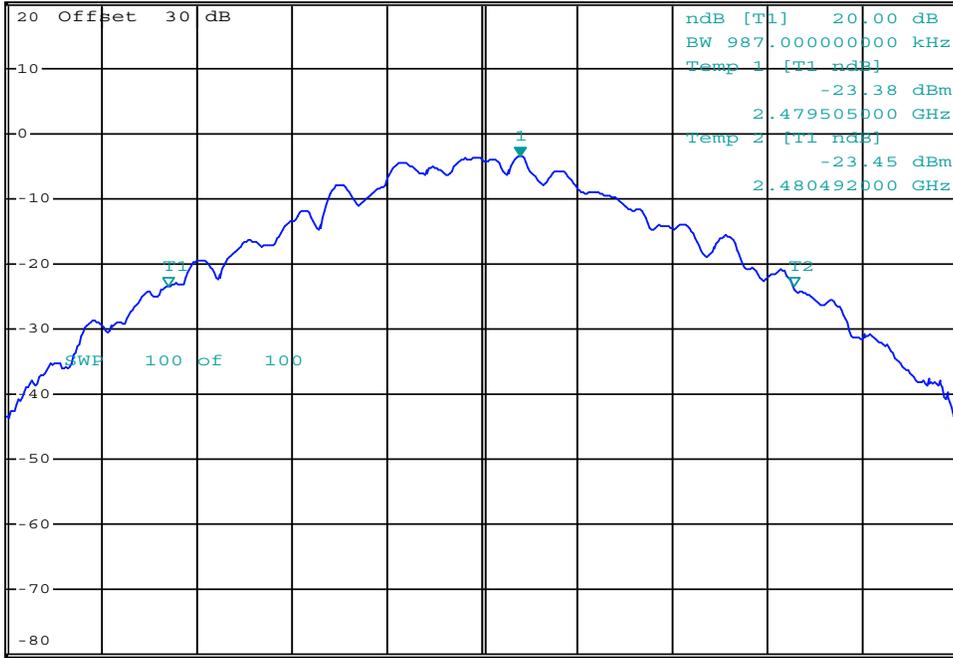
## 20dB Bandwidth: BlueTooth



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 100 kHz    -3.43 dBm  
 \*SWT 20 ms    2.480060000 GHz

Ref 20 dBm    \*Att 10 dB

1 PK  
VIEW



Date: 29.MAY.2021 13:22:08

Channel Number: **80**

Channel Frequency (MHz): **2480**

20dB Bandwidth (MHz): **0.987**

Modulation: **GFSK**

Bit Rate (Mbps): **-**

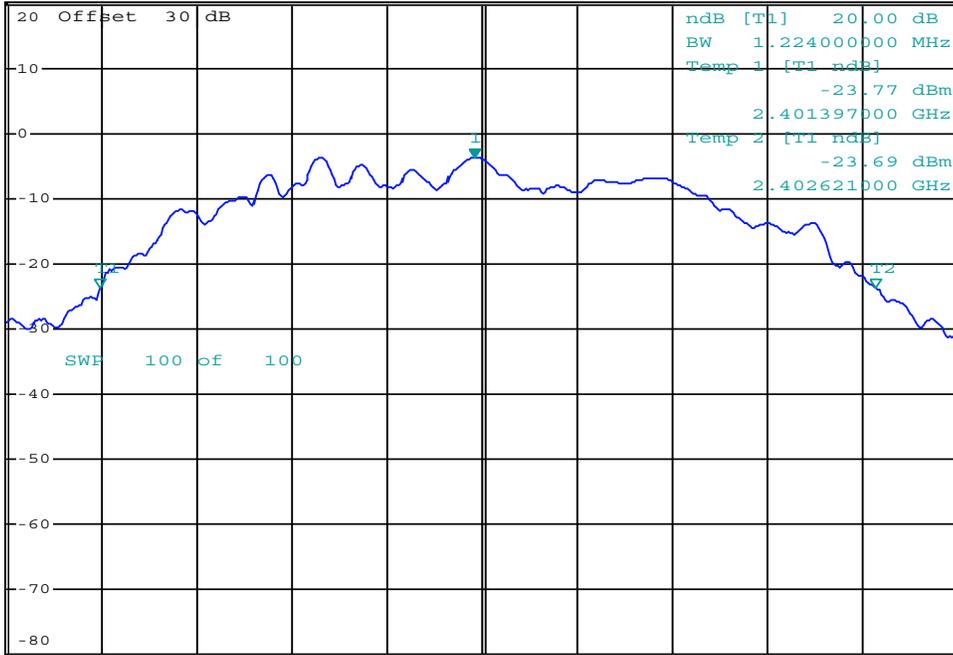
# 20dB Bandwidth: BlueTooth BLE 1



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 100 kHz    -3.73 dBm  
 \*SWT 20 ms    2.401988000 GHz

Ref 20 dBm    \*Att 10 dB

1 PK  
VIEW



Center 2.402 GHz    150 kHz/    Span 1.5 MHz

ndB [T1]	20.00 dB
BW	1.224000000 MHz
Temp 1 [T1 ndB]	-23.77 dBm
	2.401397000 GHz
Temp 2 [T1 ndB]	-23.69 dBm
	2.402621000 GHz

SWE 100 of 100

Date: 29.MAY.2021 13:24:33

Channel Number: **2**

Channel Frequency (MHz): **2402**

20dB Bandwidth (MHz): **1.224**

Modulation: **GMSK**

Bit Rate (Mbps): **1**

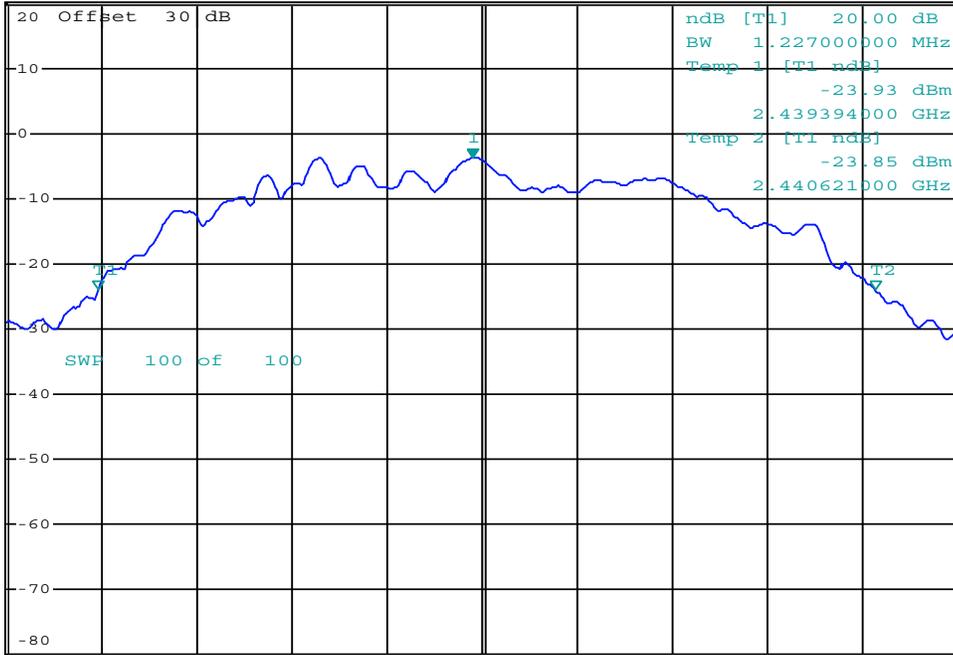
# 20dB Bandwidth: BlueTooth BLE 1



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 100 kHz    -3.80 dBm  
 \*SWT 20 ms    2.439985000 GHz

Ref 20 dBm    \*Att 10 dB

1 PK  
VIEW



A

LVL

T2

3DB

Center 2.44 GHz    150 kHz/    Span 1.5 MHz

Date: 29.MAY.2021 13:25:57

Channel Number: **41**

Channel Frequency (MHz): **2441**

20dB Bandwidth (MHz): **1.227**

Modulation: **GMSK**

Bit Rate (Mbps): **1**

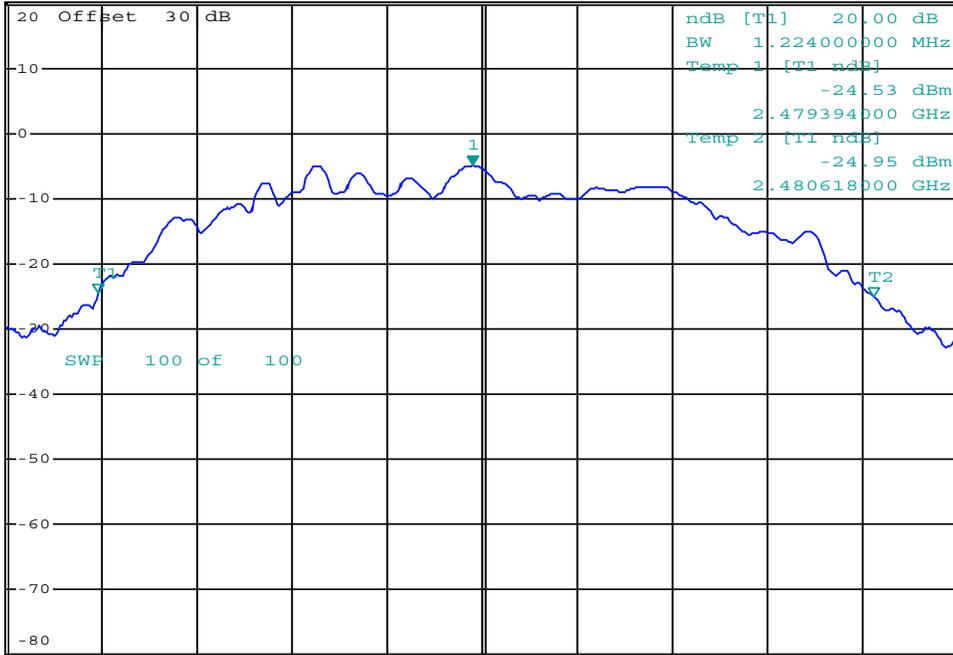
# 20dB Bandwidth: BlueTooth BLE 1



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 100 kHz    -4.92 dBm  
 \*SWT 20 ms    2.479985000 GHz

Ref 20 dBm    \*Att 10 dB

1 PK  
VIEW



Center 2.48 GHz    150 kHz/    Span 1.5 MHz

Date: 29.MAY.2021 13:23:47

Channel Number: **80**

Channel Frequency (MHz): **2480**

20dB Bandwidth (MHz): **1.224**

Modulation: **GMSK**

Bit Rate (Mbps): **1**

## 20dB Bandwidth: BlueTooth BLE 2

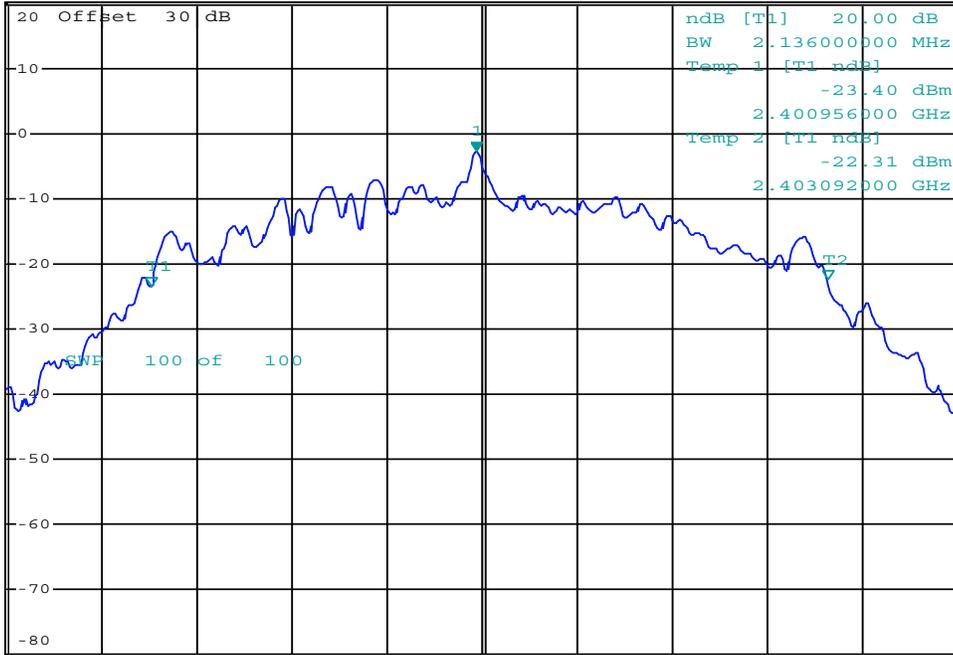


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 100 kHz    -2.82 dBm  
 \*SWT 20 ms    2.401982000 GHz

Ref 20 dBm

\*Att 10 dB

1 PK  
VIEW



Center 2.402 GHz    300 kHz/    Span 3 MHz

Date: 29.MAY.2021 13:33:00

Channel Number: **2**

Channel Frequency (MHz): **2402**

20dB Bandwidth (MHz): **2.136**

Modulation: **GMSK**

Bit Rate (Mbps): **2**

## 20dB Bandwidth: BlueTooth BLE 2

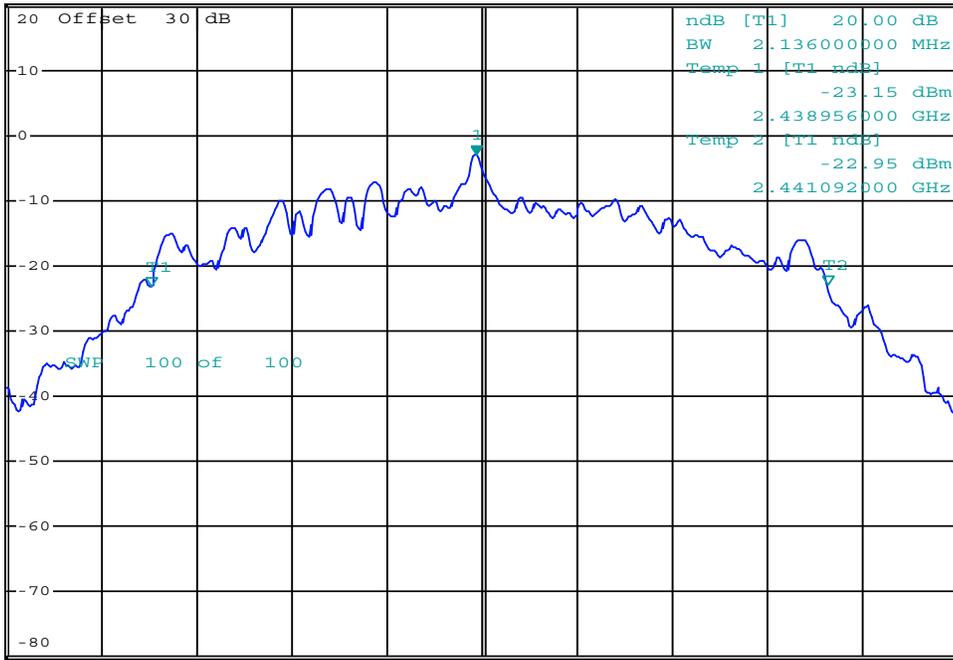


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 100 kHz    -2.89 dBm  
 \*SWT 20 ms    2.439982000 GHz

Ref 20 dBm

\*Att 10 dB

1 PK  
VIEW



Date: 29.MAY.2021 13:32:10

Channel Number: **41**

Channel Frequency (MHz): **2441**

20dB Bandwidth (MHz): **2.136**

Modulation: **GMSK**

Bit Rate (Mbps): **2**

## 20dB Bandwidth: BlueTooth BLE 2

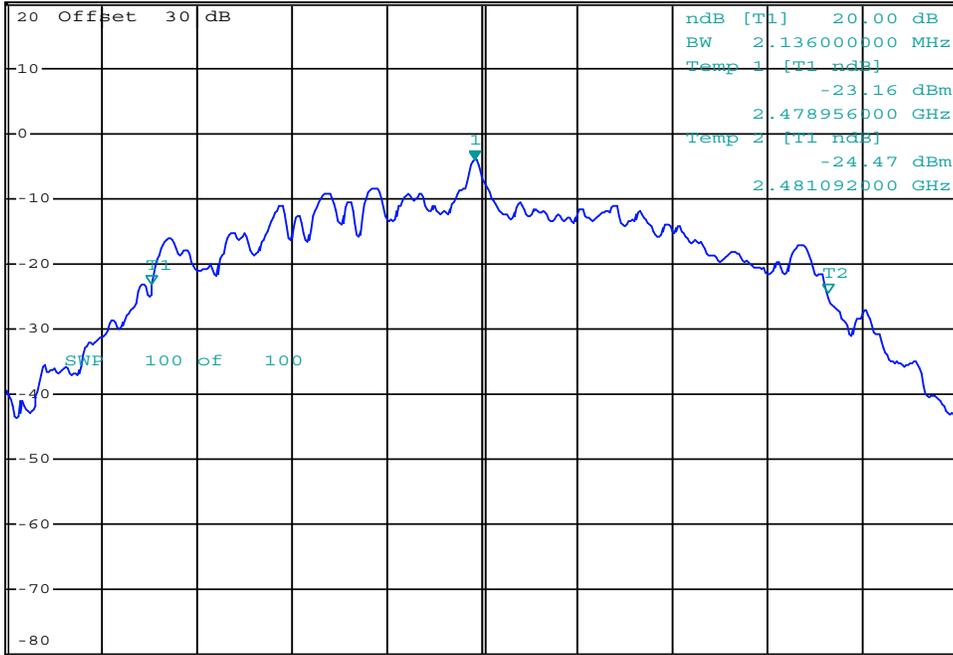


\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 100 kHz    -4.04 dBm  
 \*SWT 20 ms    2.479976000 GHz

Ref 20 dBm

\*Att 10 dB

1 PK  
VIEW



Center 2.48 GHz    300 kHz/    Span 3 MHz

Date: 29.MAY.2021 13:33:46

Channel Number: **80**

Channel Frequency (MHz): **2480**

20dB Bandwidth (MHz): **2.136**

Modulation: **GMSK**

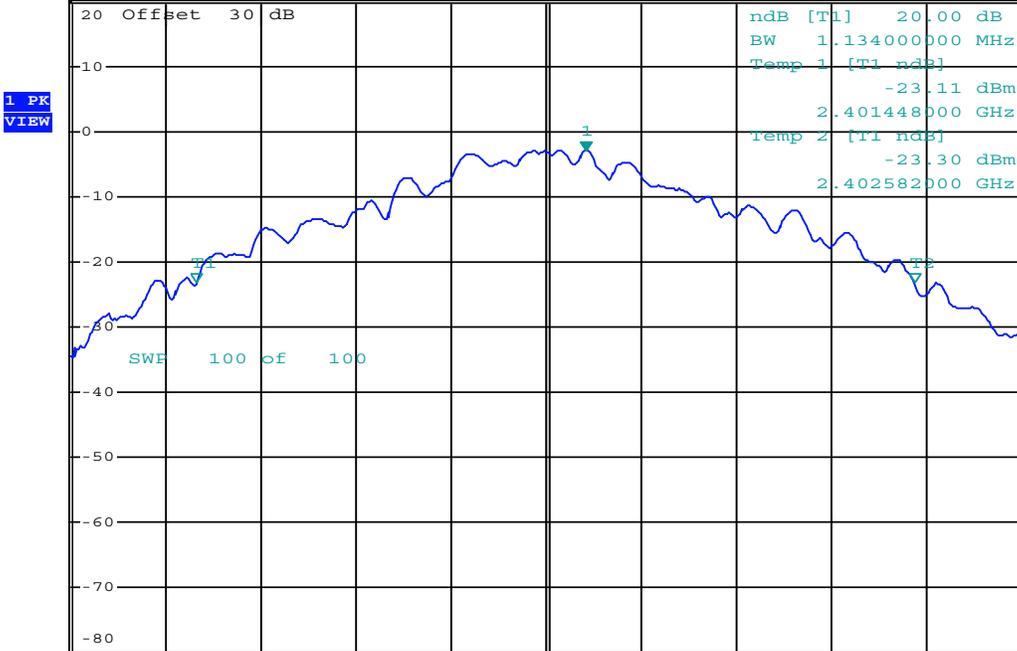
Bit Rate (Mbps): **2**

## 20dB Bandwidth: BlueTooth ANT



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 100 kHz    -2.99 dBm  
 \*Att 10 dB    2.402063000 GHz  
 \*SWT 20 ms

Ref 20 dBm



Center 2.402 GHz    150 kHz/    Span 1.5 MHz

Date: 29.MAY.2021 13:35:54

Channel Number: **2**

Channel Frequency (MHz): **2402**

20dB Bandwidth (MHz): **1.134**

Modulation: **GFSK**

Bit Rate (Mbps): **-**

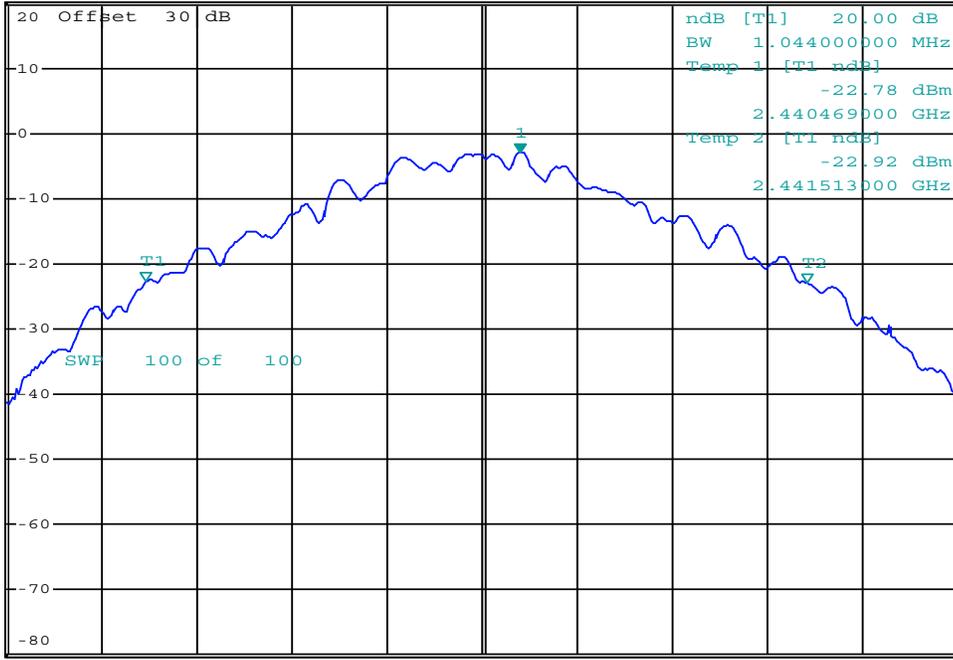
## 20dB Bandwidth: BlueTooth ANT



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 100 kHz    -2.89 dBm  
 \*SWT 20 ms    2.441060000 GHz

Ref 20 dBm    \*Att 10 dB

1 PK  
VIEW



Date: 29.MAY.2021 13:37:15

Channel Number: **41**

Channel Frequency (MHz): **2441**

20dB Bandwidth (MHz): **1.044**

Modulation: **GFSK**

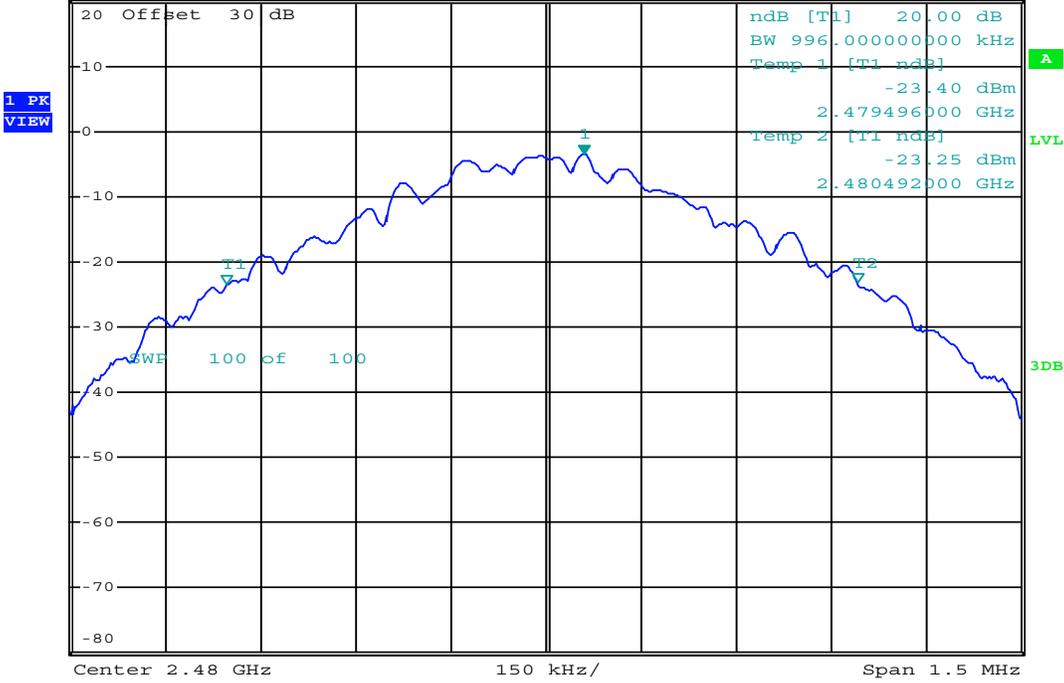
Bit Rate (Mbps): **-**

# 20dB Bandwidth: BlueTooth ANT



\*RBW 30 kHz    Marker 1 [T1 ]  
 VBW 100 kHz    -3.50 dBm  
 \*SWT 20 ms    2.480060000 GHz

Ref 20 dBm    \*Att 10 dB



Date: 29.MAY.2021 13:34:51

Channel Number: **80**

Channel Frequency (MHz): **2480**

20dB Bandwidth (MHz): **0.996**

Modulation: **GFSK**

Bit Rate (Mbps): **-**