

**Power Spectral Density Measurement Results: 802.11**

Mode	Channel Number	Frequency (MHz)	Modulation	Bit Rate (Mbps)	Measured PSD [P <sub>Meas</sub> ] (dBm)	PSD Limit [P <sub>Lim</sub> ] (dBm)	Conducted Margin (dB)
802.11b	3	2422	DSSS	5.5	-0.87	8	8.9
802.11g	3	2422	OFDM	6	-3.44	8	11.4
802.11n	3	2422	OFDM	MCS7	-3.87	8	11.9
<b>Result:</b>						<b>Complies</b>	

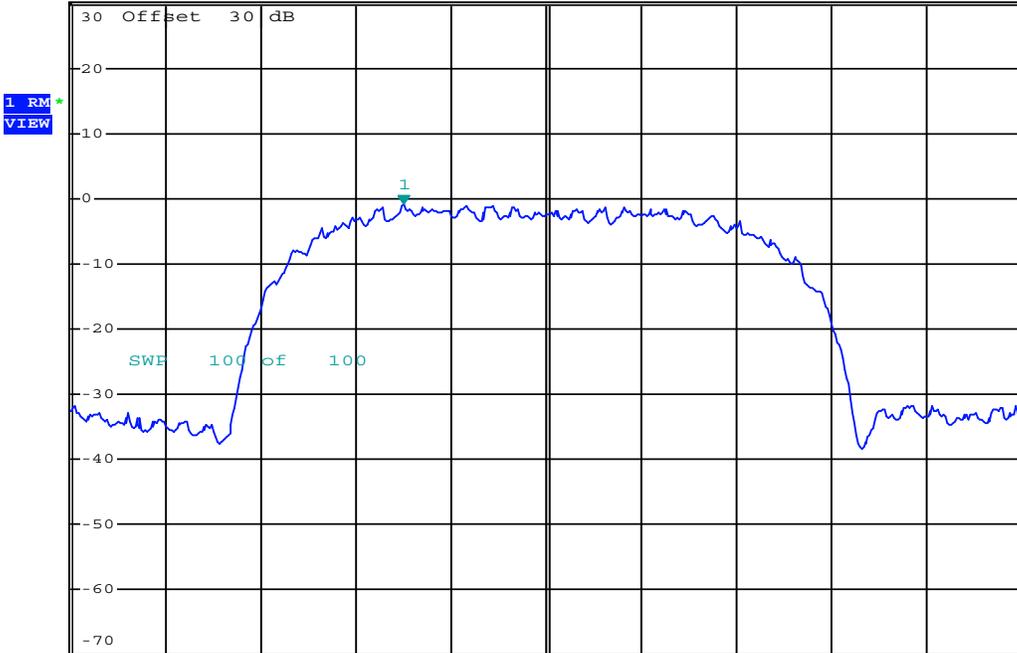
$$\text{Margin} = P_{\text{Limit}} - P_{\text{Meas}}$$

# Power Spectral Density: WiFi



\*RBW 100 kHz    Marker 1 [T1 ]  
VBW 1 MHz                    -0.87 dBm  
\*Att 10 dB                    2.418250000 GHz  
\*SWT 20 ms

Ref 30 dBm



Center 2.422 GHz                    2.5 MHz/                    Span 25 MHz

Date: 26.MAY.2021 12:31:44

Channel Number: **3**

Channel Frequency (MHz): **2422**

Measured PSD (dBm): **-0.87**

Modulation: **DSSS**

Bit Rate (Mbps): **5.5**

# Power Spectral Density: WiFi

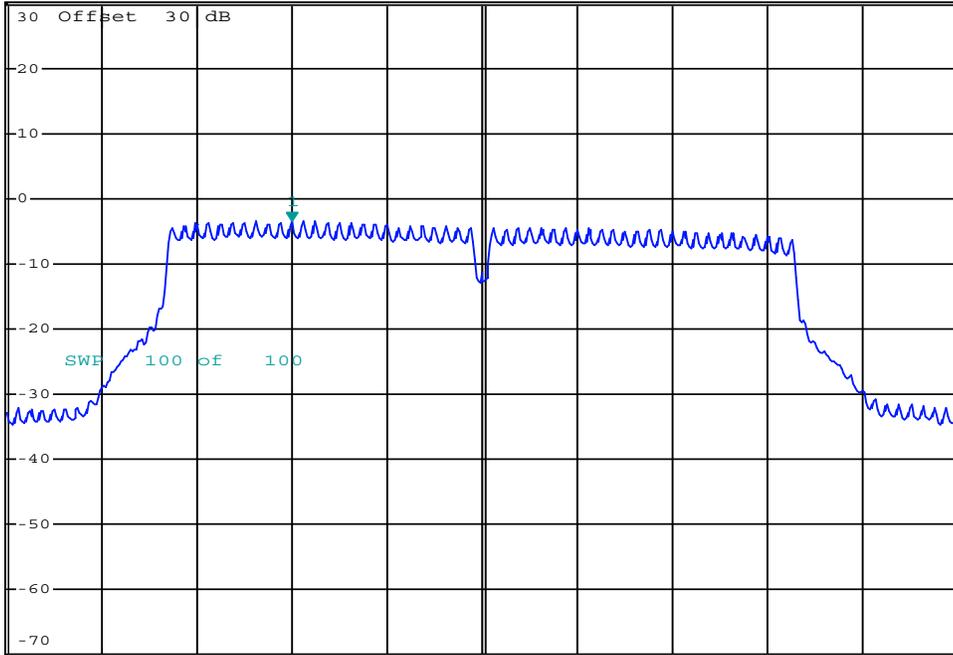


\*RBW 100 kHz Marker 1 [T1 ]  
VBW 1 MHz -3.44 dBm  
\*Att 10 dB  
\*SWT 20 ms 2.417000000 GHz

Ref 30 dBm

\*Att 10 dB

1 RM\*  
VIEW



Center 2.422 GHz 2.5 MHz/ Span 25 MHz

Date: 26.MAY.2021 12:32:38

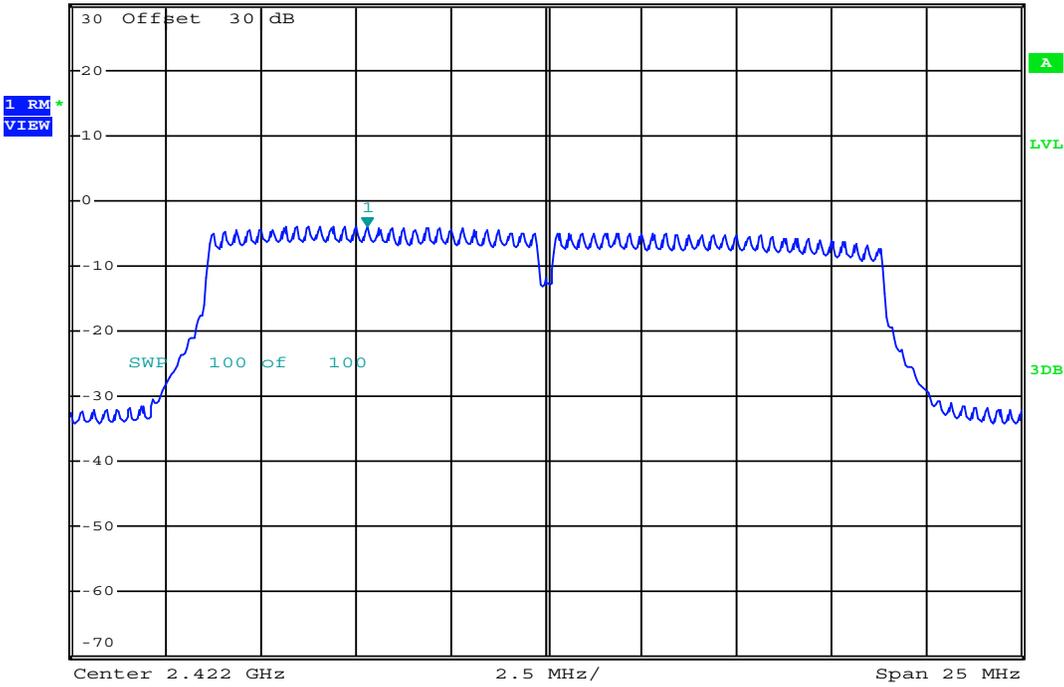
Channel Number: <b>3</b>	Channel Frequency (MHz): <b>2422</b>	Measured PSD (dBm): <b>-3.44</b>
Modulation: <b>OFDM</b>	Bit Rate (Mbps): <b>6</b>	

# Power Spectral Density: WiFi



\*RBW 100 kHz Marker 1 [T1 ]  
VBW 1 MHz -3.87 dBm  
\*Att 10 dB  
\*SWT 20 ms 2.417300000 GHz

Ref 30 dBm



Date: 26.MAY.2021 12:33:38

Channel Number: **3**

Channel Frequency (MHz): **2422**

Measured PSD (dBm): **-3.87**

Modulation: **OFDM**

Bit Rate (Mbps): **MCS7**

**Power Spectral Density Measurement Results: BlueTooth**

Mode	Channel Number	Frequency (MHz)	Modulation	Bit Rate (Mbps)	Measured PSD [P <sub>Meas</sub> ] (dBm)	PSD Limit [P <sub>Lim</sub> ] (dBm)	Conducted Margin (dB)
BT BR	2	2402	GFSK	-	0.64	8	7.4
BT EDR2	41	2442	P1/4-DQPSK	2.0	-2.70	8	10.7
BT EDR3	41	2442	8-DPSK	3.0	-2.54	8	10.5
BLE1	2	2402	GMSK	1.0	0.40	8	7.6
BLE2	42	2442	GMSK	2.0	0.05	8	8.0
ANT	2	2402	GFSK	-	0.63	8	7.4
<b>Result:</b>						<b>Complies</b>	

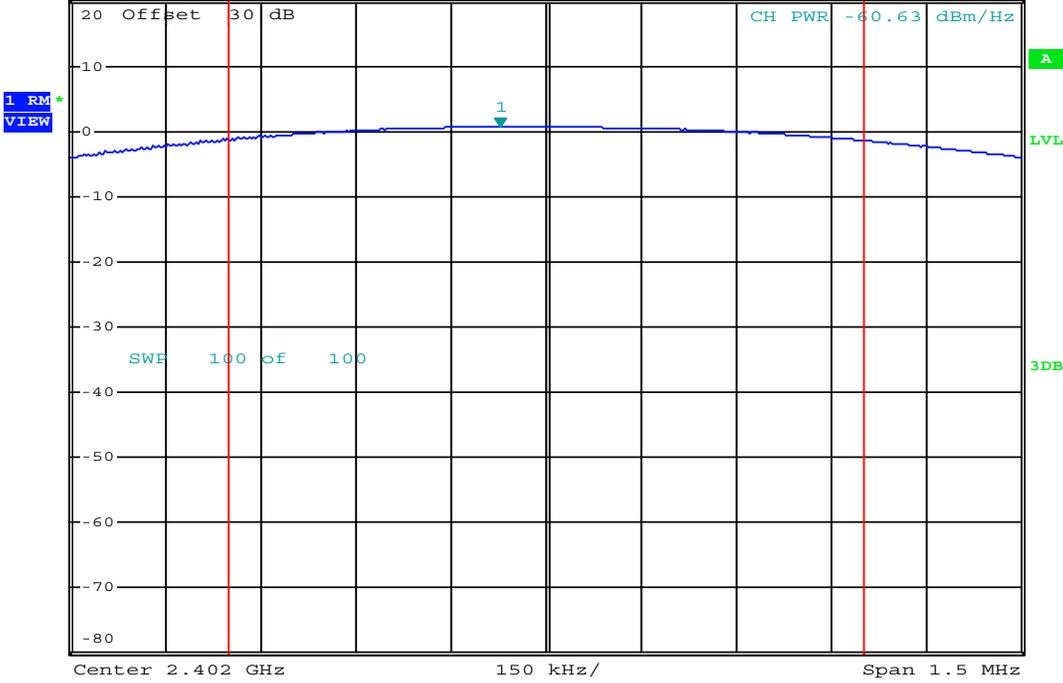
Margin = P<sub>Limit</sub> - P<sub>Meas</sub>

# Power Spectral Density: BlueTooth



\*RBW 1 MHz      Marker 1 [T1 ]  
 VBW 10 MHz      0.64 dBm  
 \*SWT 20 ms      2.401928000 GHz

Ref 20 dBm      \*Att 10 dB



Date: 29.MAY.2021 12:51:17

Channel Number: **2**

Channel Frequency (MHz): **2402**

Measured PSD (dBm): **0.64**

Modulation: **GFSK**

Bit Rate (Mbps): **-**

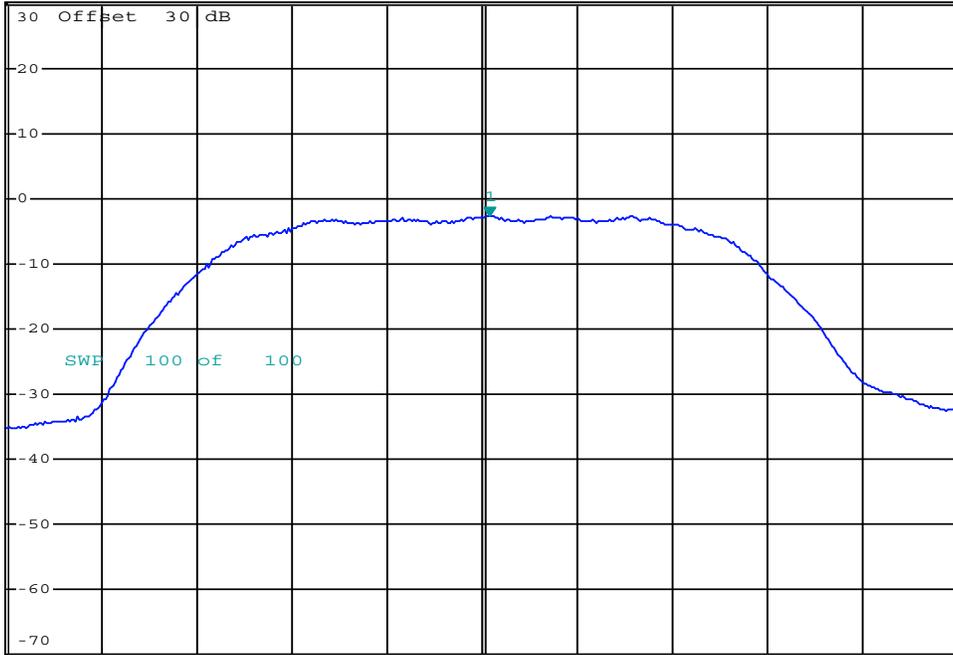
# Power Spectral Density: BlueTooth



\*RBW 100 kHz    Marker 1 [T1 ]  
VBW 1 MHz                    -2.70 dBm  
\*Att 10 dB                    2.441016000 GHz  
\*SWT 20 ms

Ref 30 dBm    Offset 30 dB

1 RM\*  
VIEW



★  
A  
LVL  
3DB

Center 2.441 GHz                    200 kHz/                    Span 2 MHz

Date: 26.MAY.2021 15:18:47

Channel Number: **41**

Channel Frequency (MHz): **2442**

Measured PSD (dBm): **-2.70**

Modulation: P1/4-DQPSK

Bit Rate (Mbps): **2**

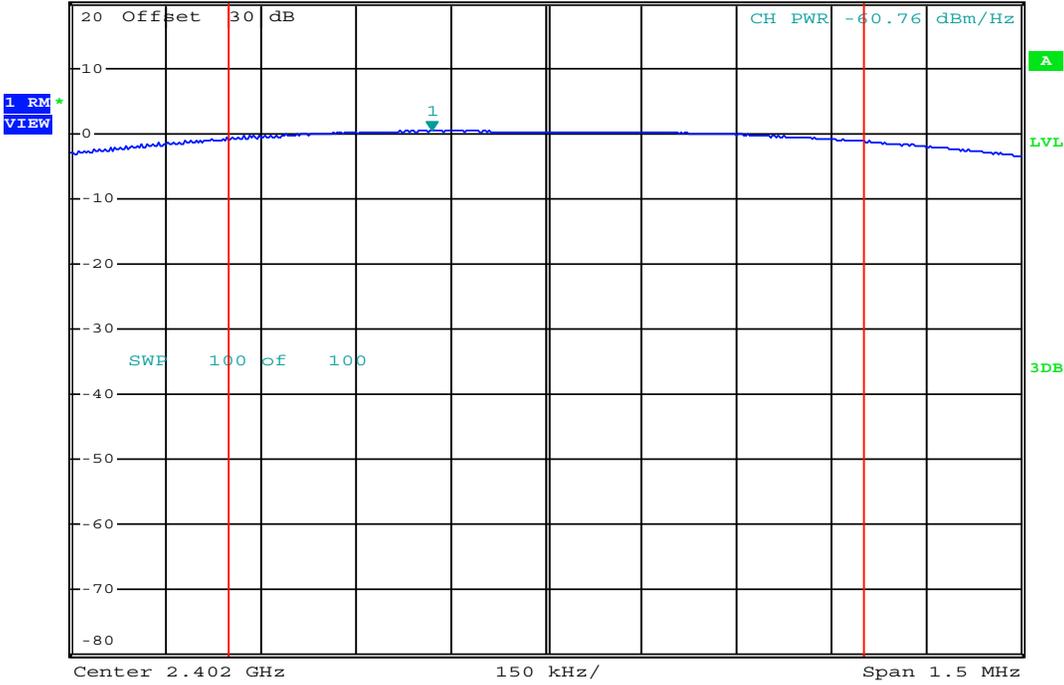


# Power Spectral Density: BlueTooth



\*RBW 1 MHz      Marker 1 [T1 ]  
VBW 10 MHz      0.40 dBm  
\*SWT 20 ms      2.401820000 GHz

Ref 20 dBm      \*Att 10 dB



Date: 29.MAY.2021 12:52:28

Channel Number: **2**

Channel Frequency (MHz): **2402**

Measured PSD (dBm): **0.40**

Modulation: **GMSK**

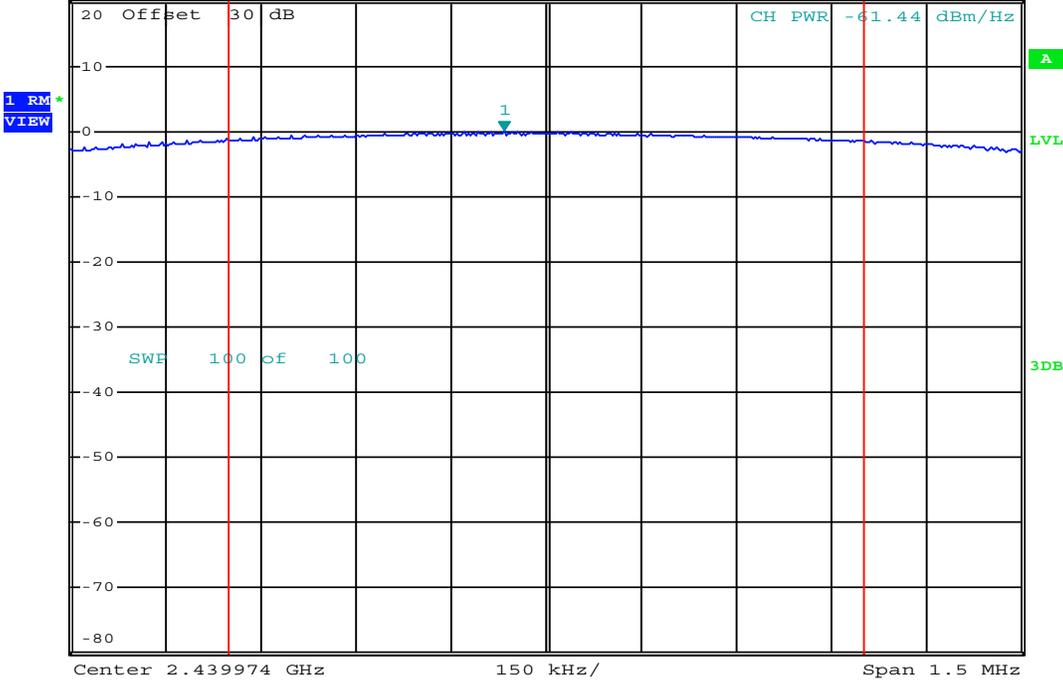
Bit Rate (Mbps): **1**

# Power Spectral Density: BlueTooth



\*RBW 1 MHz      Marker 1 [T1 ]  
 VBW 10 MHz      0.05 dBm  
 \*SWT 20 ms      2.439908000 GHz

Ref 20 dBm      \*Att 10 dB



Date: 29.MAY.2021 12:54:56

Channel Number: **42**

Channel Frequency (MHz): **2442**

Measured PSD (dBm): **0.05**

Modulation: **GMSK**

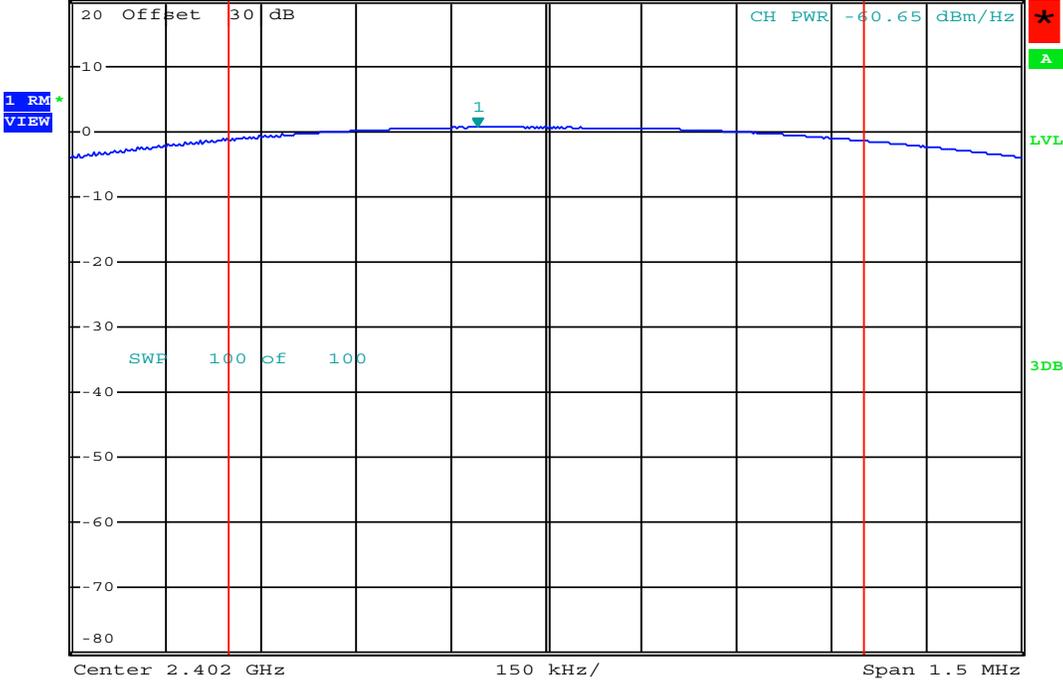
Bit Rate (Mbps): **2**

# Power Spectral Density: BlueTooth



\*RBW 1 MHz      Marker 1 [T1 ]  
 VBW 10 MHz      0.63 dBm  
 \*SWT 20 ms      2.401892000 GHz

Ref 20 dBm      \*Att 10 dB



Date: 29.MAY.2021 12:49:09

Channel Number: **2**

Channel Frequency (MHz): **2402**

Measured PSD (dBm): **0.63**

Modulation: **GFSK**

Bit Rate (Mbps): **-**