

Power Spectral Density Measurement Results: 802.11

Mode	Channel Number	Frequency (MHz)	Modulation	Bit Rate (Mbps)	Measured PSD [P _{Meas}] (dBm)	PSD Limit [P _{Lim}] (dBm)	Conducted Margin (dB)
802.11b	6	2437	DSSS	5.5	-4.34	8	12.3
802.11g	6	2437	OFDM	6	-8.28	8	16.3
802.11n	6	2437	OFDM	MCS0	-8.16	8	16.2
Result:						Complies	

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

Ref 40 dBm

*Att 20 dB

SWT 35 ms

2.436460000 GHz

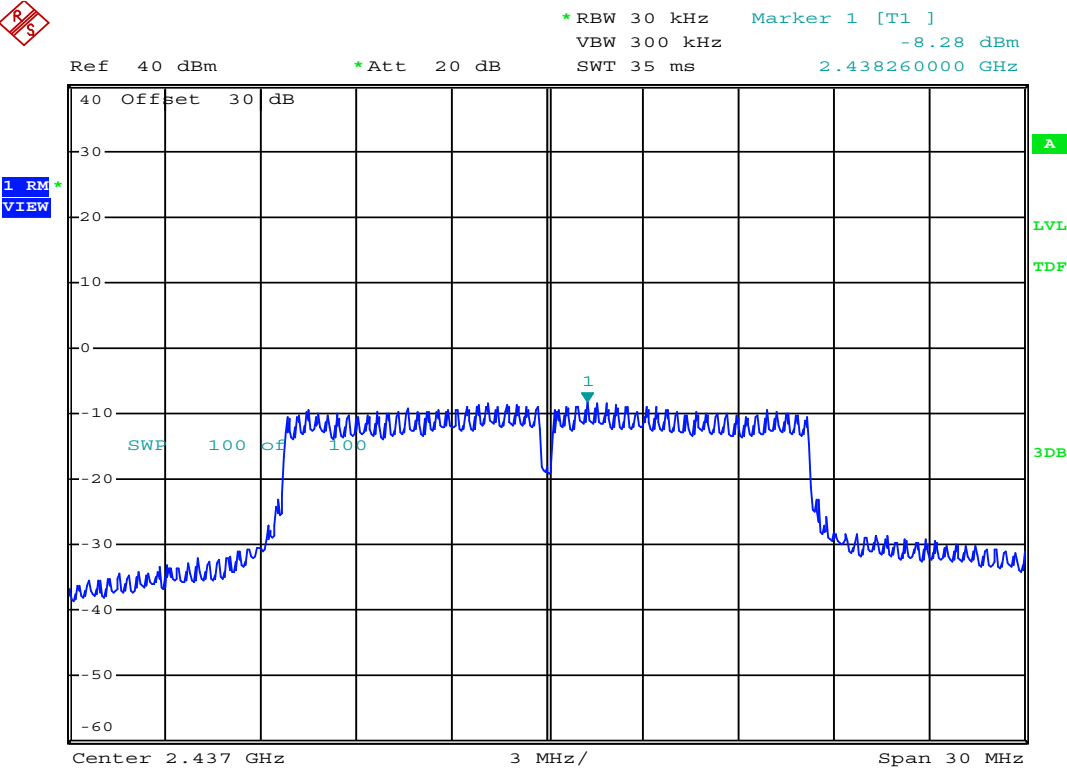
Channel Number: **6**Channel Frequency (MHz): **2437**Modulation: **DSSS**

Bit Rate (Mbps): **5.5**

Measured PSD (dBm): **-4.34**

-4.34

Power Spectral Density: WiFi



Date: 17.SEP.2022 16:11:40

Channel Number: 6	Channel Frequency (MHz): 2437	Measured PSD (dBm): -8.28
Modulation: OFDM	Bit Rate (Mbps): 12	

Ref 40 dBm

* Att 20 dB

SWT 35 ms

2.438860000 GHz

Channel Number: **6**Channel Frequency (MHz): **2437**Modulation: **OFDM**

Bit Rate (Mbps): **MCS0**

Measured PSD (dBm): **-8.16**

Power Spectral Density Measurement Results: BlueTooth							
Mode	Channel Number	Frequency (MHz)	Modulation	Bit Rate (Mbps)	Measured PSD [P _{Meas}] (dBm)	PSD Limit [P _{Lim}] (dBm)	Conducted Margin (dB)
BT BR	40	2440	GFSK	-	1.80	8	6.2
BT EDR2			P1/4-DQPSK	2.0	1.57	8	6.4
BT EDR3			8-DPSK	3.0	1.26	8	6.7
Result:						Complies	

Margin = P_{Limit} - P_{Meas}

Power Spectral Density: BlueTooth

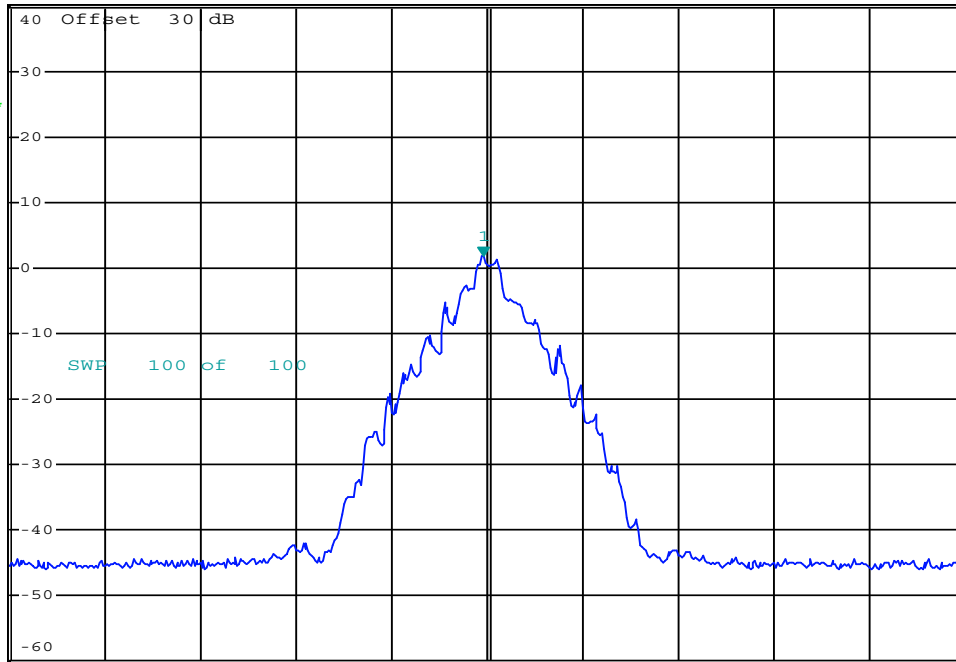


*RBW 30 kHz Marker 1 [T1]
VBW 300 kHz 1.80 dBm
SWT 10 ms 2.439980000 GHz

Ref 40 dBm

*Att 20 dB

1 RM*
VIEW



Center 2.44 GHz

500 kHz/

Span 5 MHz

A

LVL

TDF

3DB

Date: 21.SEP.2022 10:54:59

Channel Number: 40

Channel Frequency (MHz): 2440

Modulation: GFSK

Bit Rate (Mbps): -

Measured PSD (dBm):

1.80

Power Spectral Density: BlueTooth

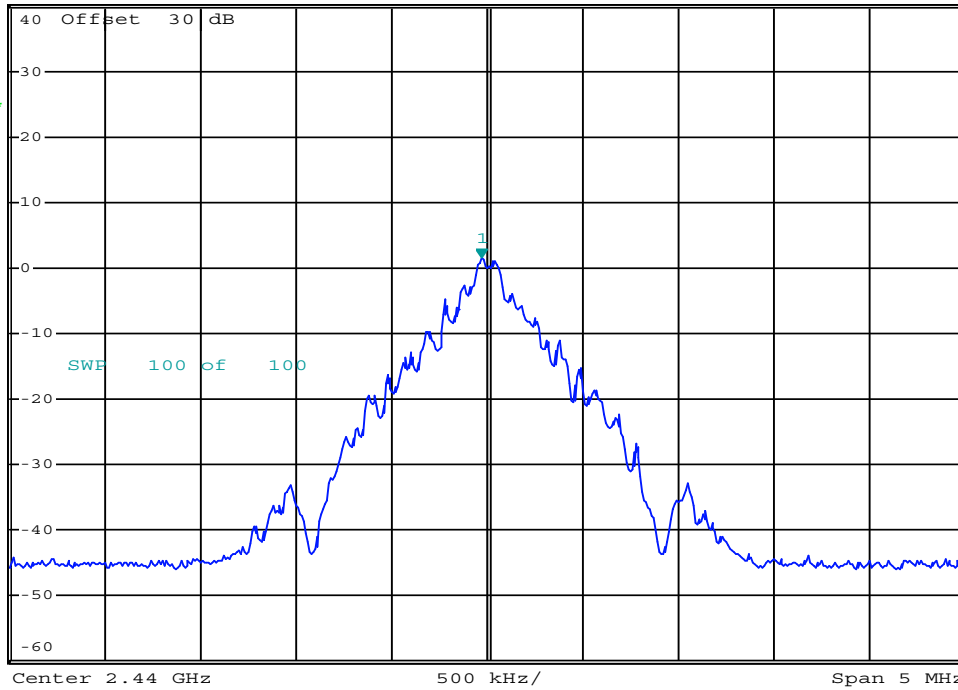


*RBW 30 kHz Marker 1 [T1]
VBW 300 kHz 1.57 dBm
SWT 10 ms 2.439970000 GHz

Ref 40 dBm

*Att 20 dB

1 RM*
VIEW



Date: 21.SEP.2022 10:55:59

Channel Number: **40**

Channel Frequency (MHz): **2440**

Measured PSD (dBm):

1.57

Modulation: P1/4-DQPSK

Bit Rate (Mbps): **2**

Power Spectral Density: BlueTooth

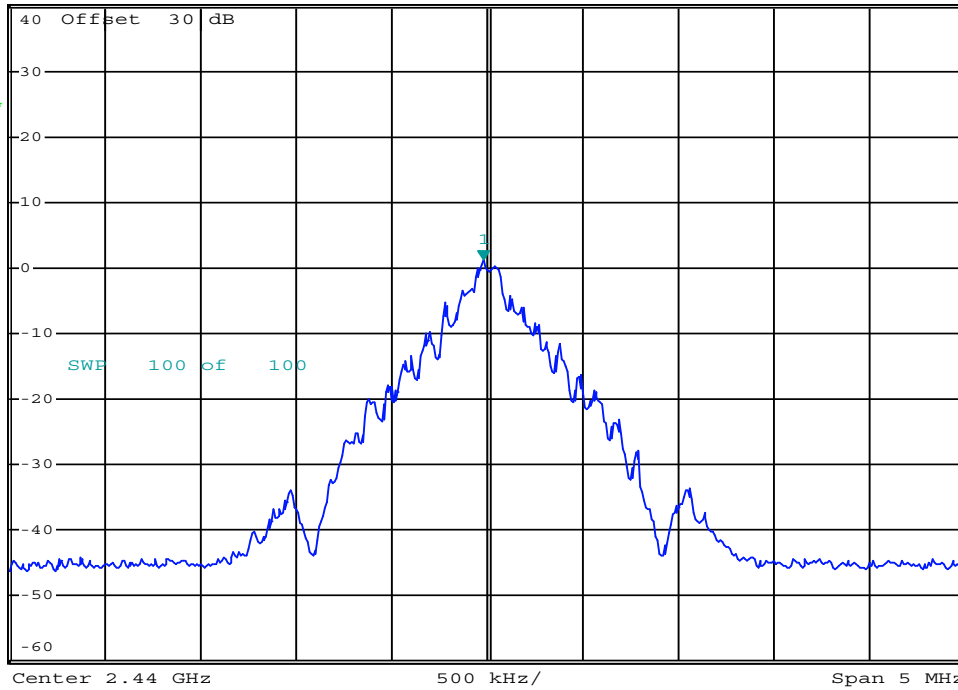


*RBW 30 kHz Marker 1 [T1]
VBW 300 kHz 1.26 dBm
SWT 10 ms 2.439980000 GHz

Ref 40 dBm

*Att 20 dB

1 RM*
VIEW



Date: 21.SEP.2022 10:56:34

Channel Number: **40**

Channel Frequency (MHz): **2440**

Modulation: **8-DPSK**

Bit Rate (Mbps): **3**

Measured PSD (dBm):

1.26