

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	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
Result:						Complies	

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

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

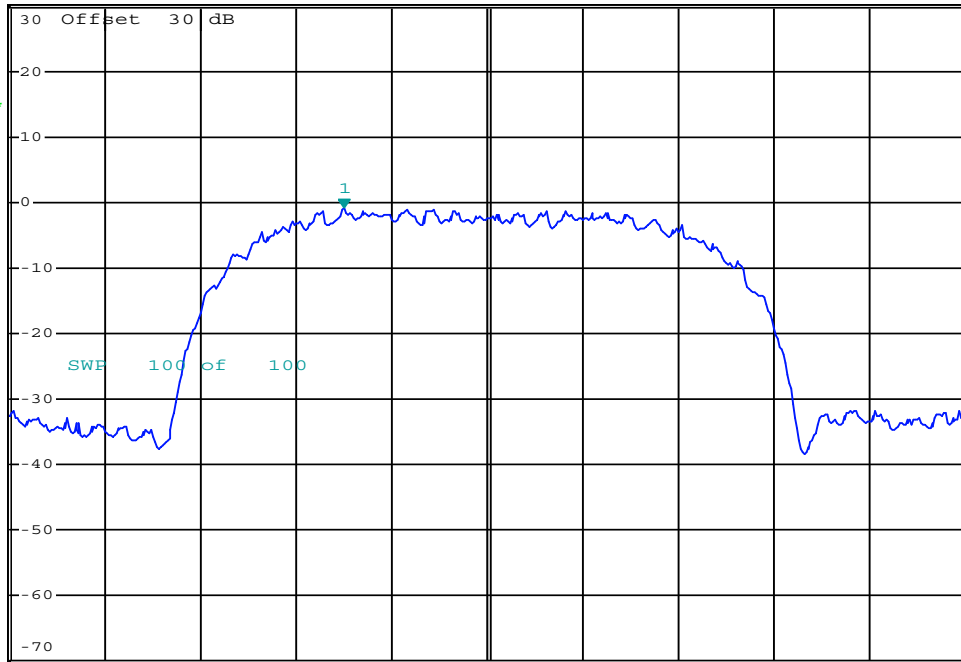
Ref 30 dBm

*Att 10 dB

*SWT 20 ms

2.418250000 GHz

1 RM
VIEW



Center 2.422 GHz

2.5 MHz/

Span 25 MHz

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

Channel Number: 3

Channel Frequency (MHz): 2422

Modulation: DSSS

Bit Rate (Mbps): 5.5

Measured PSD (dBm):

-0.87

Power Spectral Density: WiFi

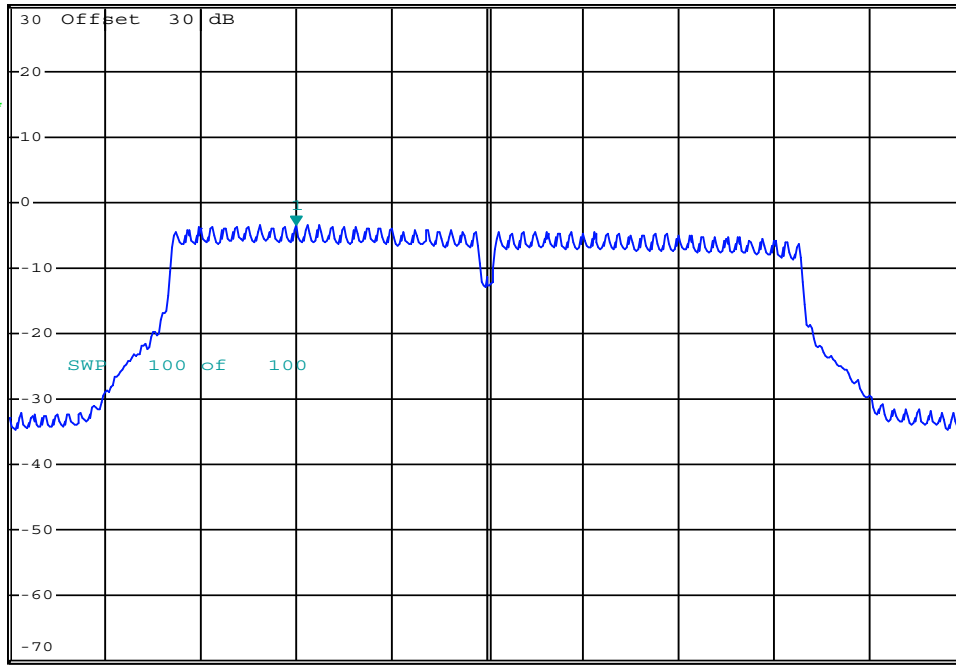


*RBW 100 kHz Marker 1 [T1]
VBW 1 MHz -3.44 dBm
*SWT 20 ms 2.417000000 GHz

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: 3

Channel Frequency (MHz): 2422

Modulation: OFDM

Bit Rate (Mbps): 6

Measured PSD (dBm): -3.44

Power Spectral Density: WiFi

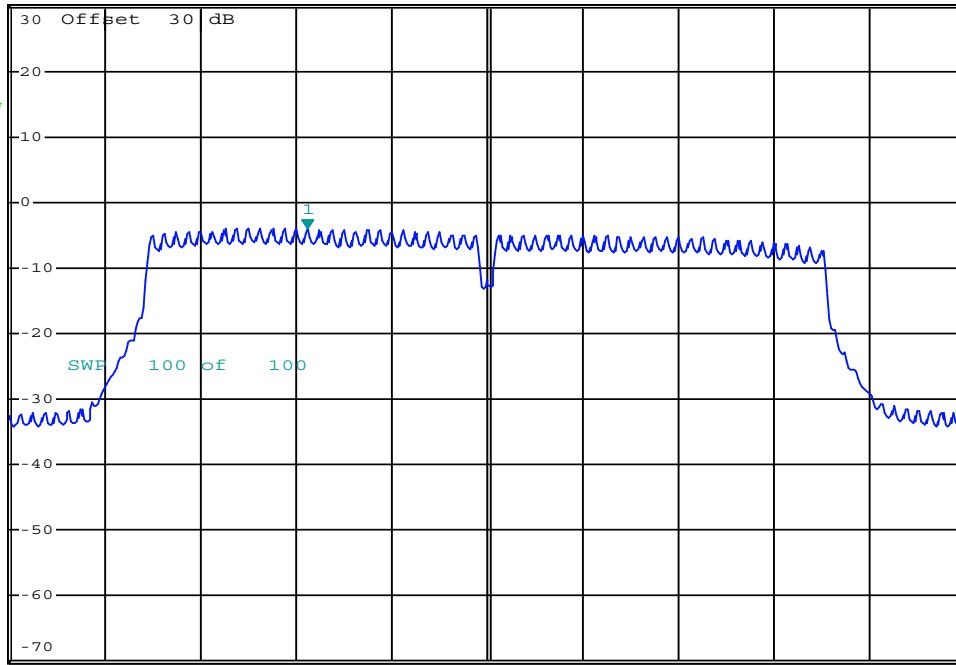


*RBW 100 kHz Marker 1 [T1]
VBW 1 MHz -3.87 dBm
*SWT 20 ms 2.417300000 GHz

Ref 30 dBm

*Att 10 dB

1 RM
VIEW



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LVL

3DB

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 _{Meas}] (dBm)	PSD Limit [P _{Lim}] (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
Result:						Complies	

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

Power Spectral Density: BlueTooth

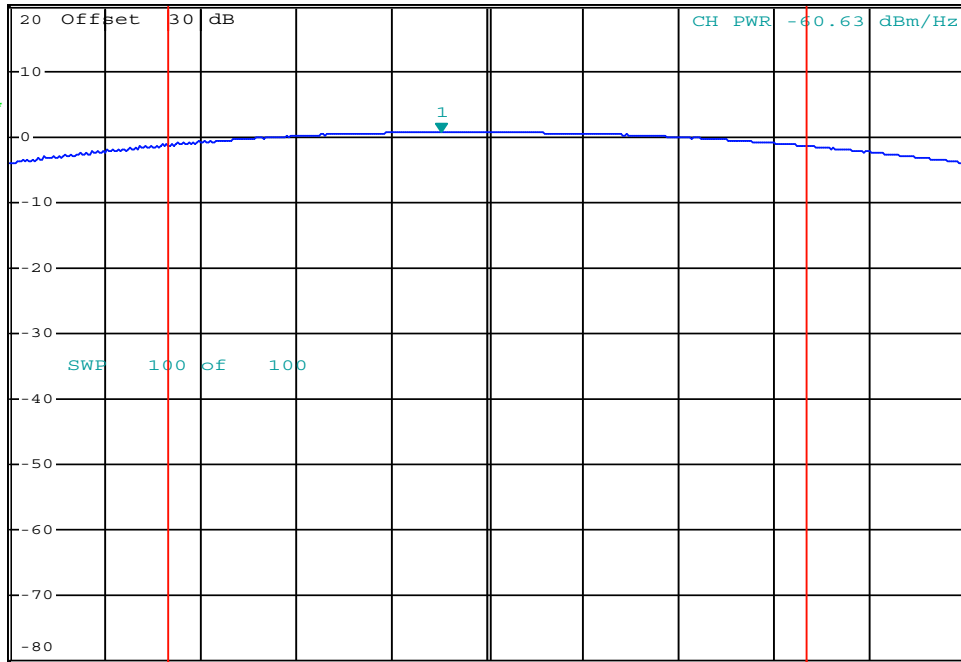


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 0.64 dBm
*SWT 20 ms 2.401928000 GHz

Ref 20 dBm

*Att 10 dB

1 RM
VIEW



Center 2.402 GHz 150 kHz/ Span 1.5 MHz

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

Channel Number: 2

Channel Frequency (MHz): 2402

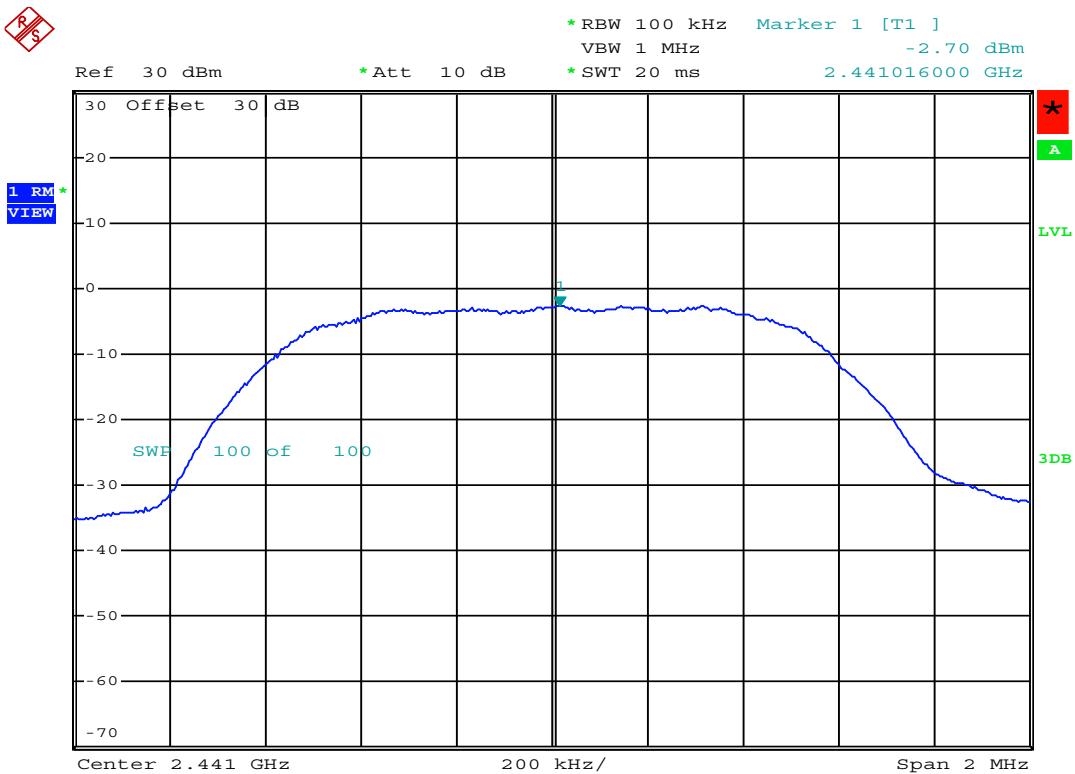
Modulation: GFSK

Bit Rate (Mbps): -

Measured PSD (dBm):

0.64

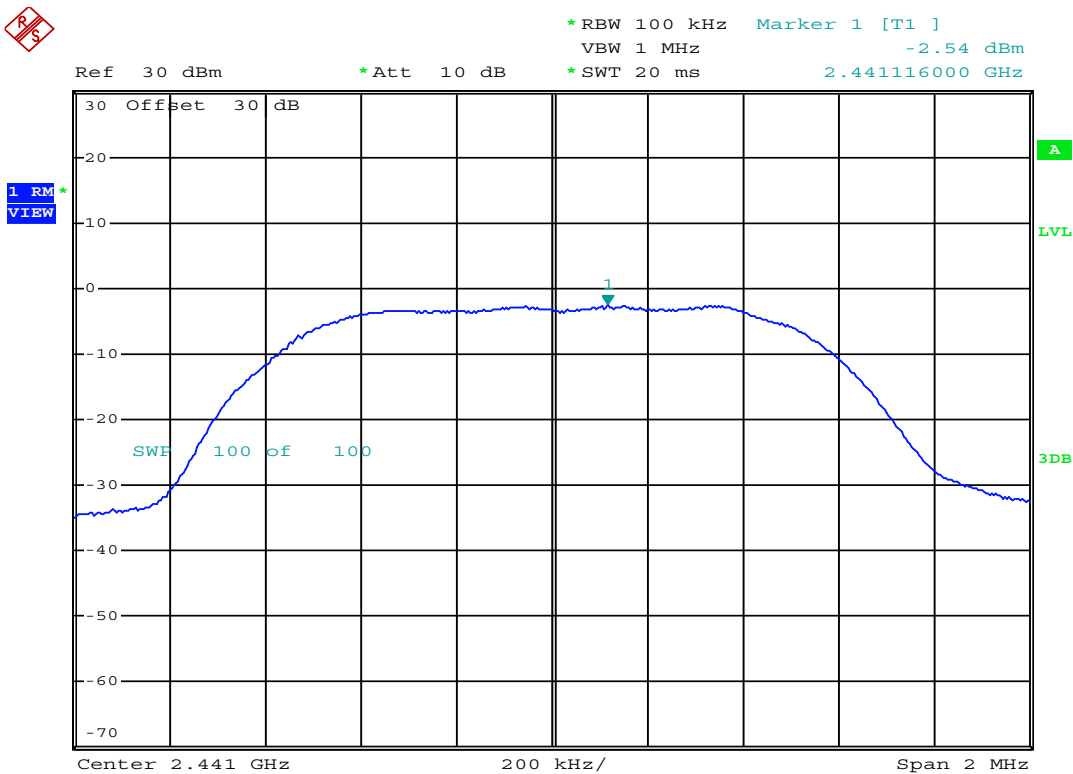
Power Spectral Density: BlueTooth



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



Date: 26.MAY.2021 15:19:25

Channel Number: 41	Channel Frequency (MHz): 2442	Measured PSD (dBm): -2.54
Modulation: 8-DPSK	Bit Rate (Mbps): 3	

Power Spectral Density: BlueTooth

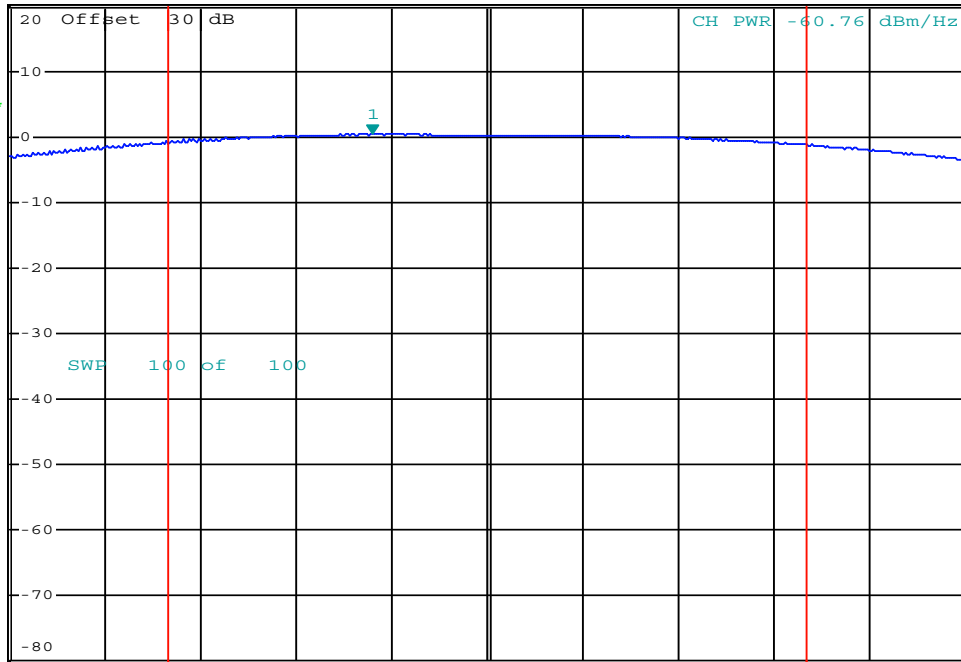


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 0.40 dBm
*SWT 20 ms 2.401820000 GHz

Ref 20 dBm

*Att 10 dB

1 RM
VIEW



Center 2.402 GHz

150 kHz/

Span 1.5 MHz

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

Channel Number: 2

Channel Frequency (MHz): 2402

Modulation: GMSK

Bit Rate (Mbps): 1

Measured PSD (dBm):

0.40

Power Spectral Density: BlueTooth

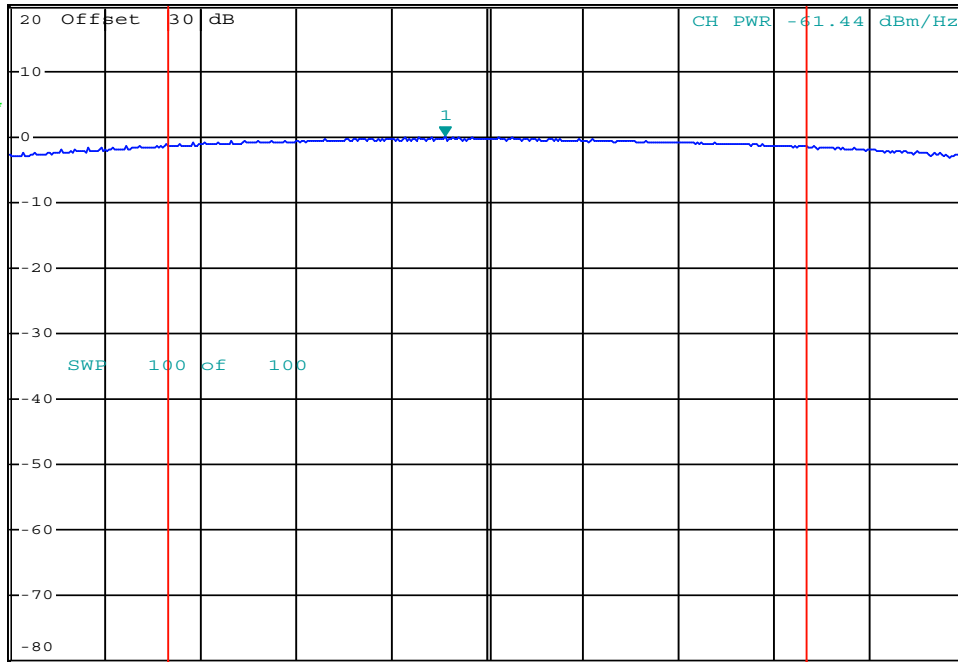


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 0.05 dBm
*SWT 20 ms 2.439908000 GHz

Ref 20 dBm

*Att 10 dB

1 RM
VIEW



Center 2.439974 GHz

150 kHz/

Span 1.5 MHz

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

Channel Number: **42**

Channel Frequency (MHz): **2442**

Modulation: **GMSK**

Bit Rate (Mbps): **2**

Measured PSD (dBm):

0.05

Power Spectral Density: BlueTooth

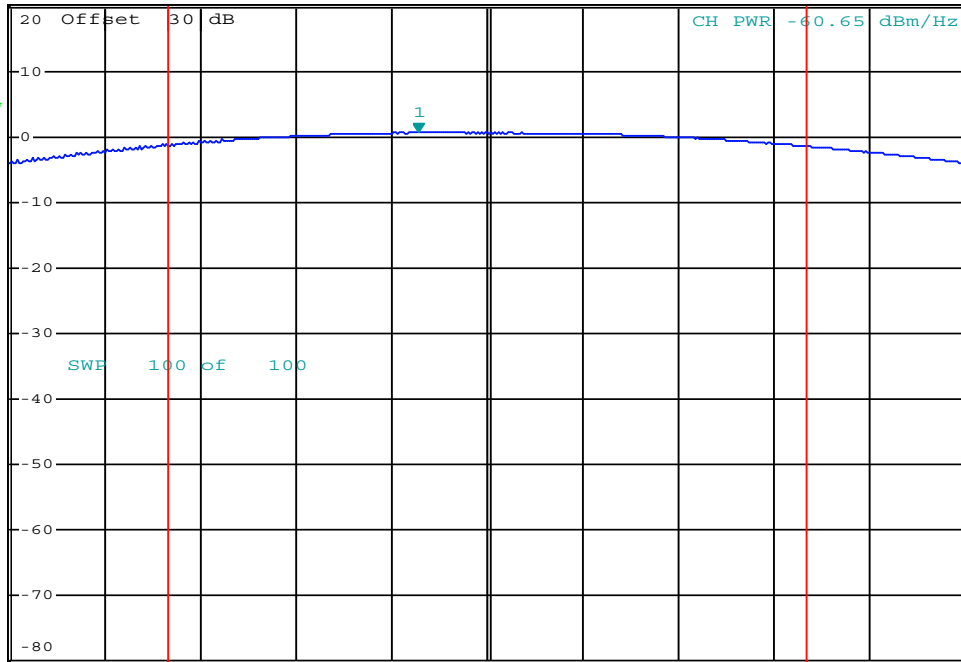


*RBW 1 MHz Marker 1 [T1]
VBW 10 MHz 0.63 dBm
*SWT 20 ms 2.401892000 GHz

Ref 20 dBm

*Att 10 dB

1 RM
VIEW



Center 2.402 GHz

150 kHz/

Span 1.5 MHz

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

Channel Number: 2

Channel Frequency (MHz): 2402

Modulation: GFSK

Bit Rate (Mbps): -

Measured PSD (dBm):

0.63