

**Band Edge Measurement Results: 802.11**

Mode	Channel Number	Frequency (MHz)	Modulation	Bit Rate (Mbps)	Transmit Duty Cycle (%)	Emission Power [P <sub>Em</sub> ] (dBm)	Antenna Gain [G <sub>T</sub> ] (dBi)	Emission EIRP [E <sub>Em</sub> ] (dBm)	Fundamental Power [P <sub>Fund</sub> ] (dBm)	Fundamental EIRP [E <sub>Fund</sub> ] (dBm)	Attenuation [Atten] (dB)	Limit (dB)	Margin (dB)
802.11b	1	2412.00	DSSS	5.5	100.00	-30.90	0.6	-30.30	3.11	3.71	34.01	30	4.0
	11	2462.00				-45.05		-44.45	1.15	1.75	46.20		16.2
802.11g	1	2412.00	OFDM	6		-42.33		-41.73	-4.65	-4.05	37.68		7.7
	11	2462.00				-43.76		-43.16	-4.36	-3.76	39.40		9.4
802.11n	1	2412.00	OFDM	MCS0		-44.19		-43.59	-5.38	-4.78	38.81		8.8
	11	2462.00				-50.33		-49.73	-5.95	-5.35	44.38		14.4
<b>Result:</b>											<b>Complies</b>		

Emission [E<sub>Em</sub>] = [P<sub>Em</sub>] + [G<sub>T</sub>]

Fundamental EIRP [E<sub>Fund</sub>] = [P<sub>Fund</sub>] + [G<sub>T</sub>]

Attenuation [Atten] = [E<sub>Fund</sub>] - [E<sub>Em</sub>]

Margin = Attenuation - Limit

**Lower Band Edge: 802.11b**

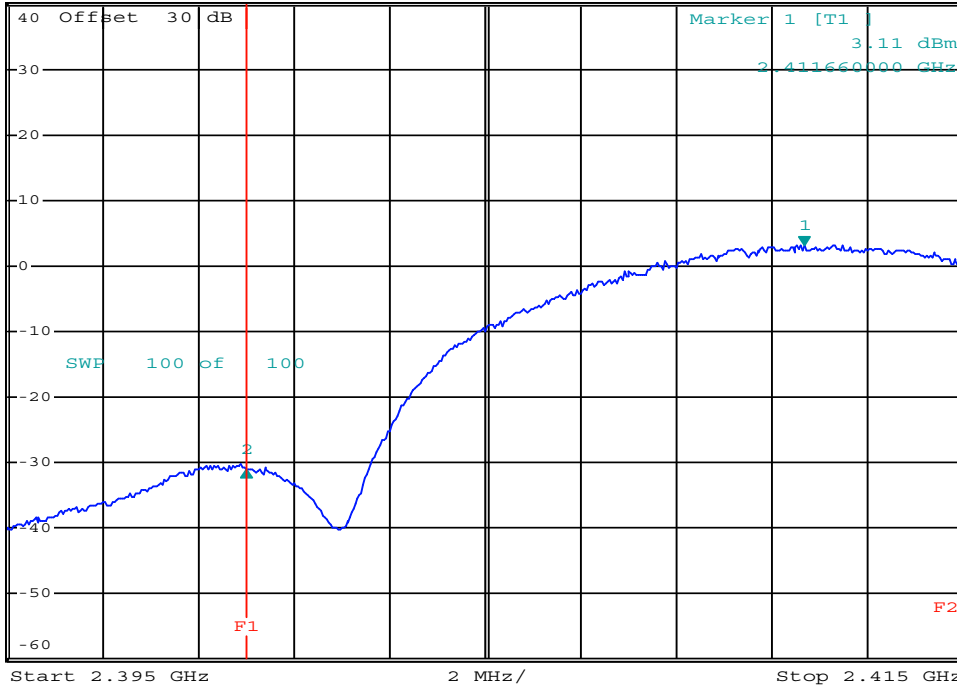


\*RBW 300 kHz Delta 2 [T1 ]  
 VBW 3 MHz -34.01 dB  
 SWT 5 ms -11.66000000 MHz

Ref 40 dBm

\*Att 20 dB

1 RM\*  
 VIEW



Date: 6.OCT.2022 13:53:15

Channel Number: **1**

Channel Frequency (MHz): **2412**

Emission Power (dBm): **-30.90**

Modulation: **DSSS**

Bit Rate (Mbps): **5.5**

# Upper Band Edge: 802.11b

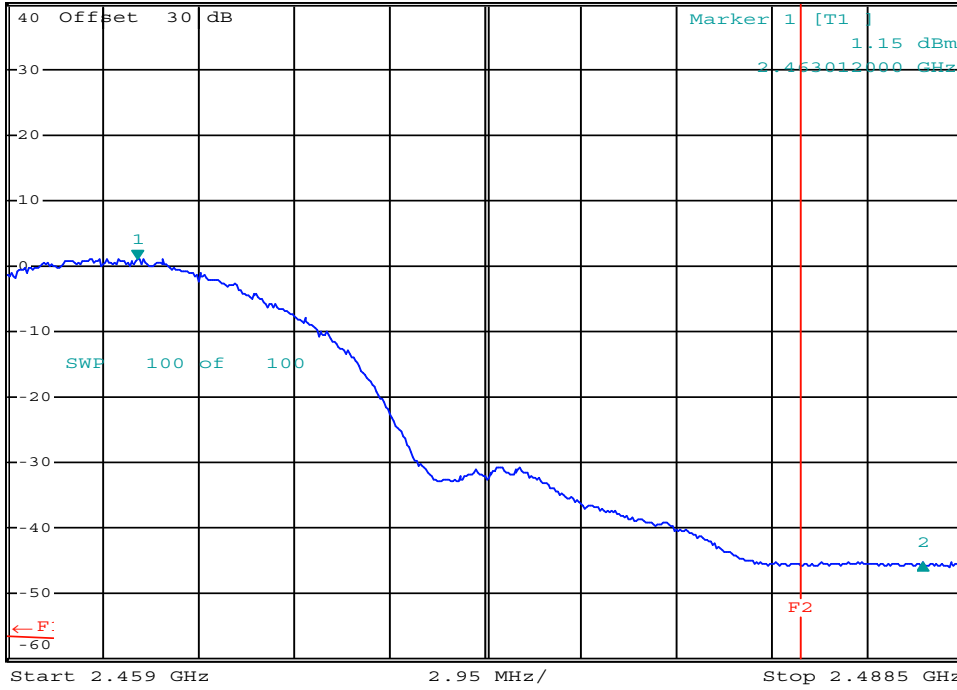


\*RBW 300 kHz Delta 2 [T1 ]  
 VBW 3 MHz -46.20 dB  
 SWT 5 ms 24.219500000 MHz

Ref 40 dBm

\*Att 20 dB

1 RM\*  
 VIEW



Date: 6.OCT.2022 14:01:18

Channel Number: **11**

Channel Frequency (MHz): **2462**

Channel Power (dBm): **-45.05**

Modulation: **DSSS**

Bit Rate (Mbps): **5.5**

**Lower Band Edge: 802.11g**

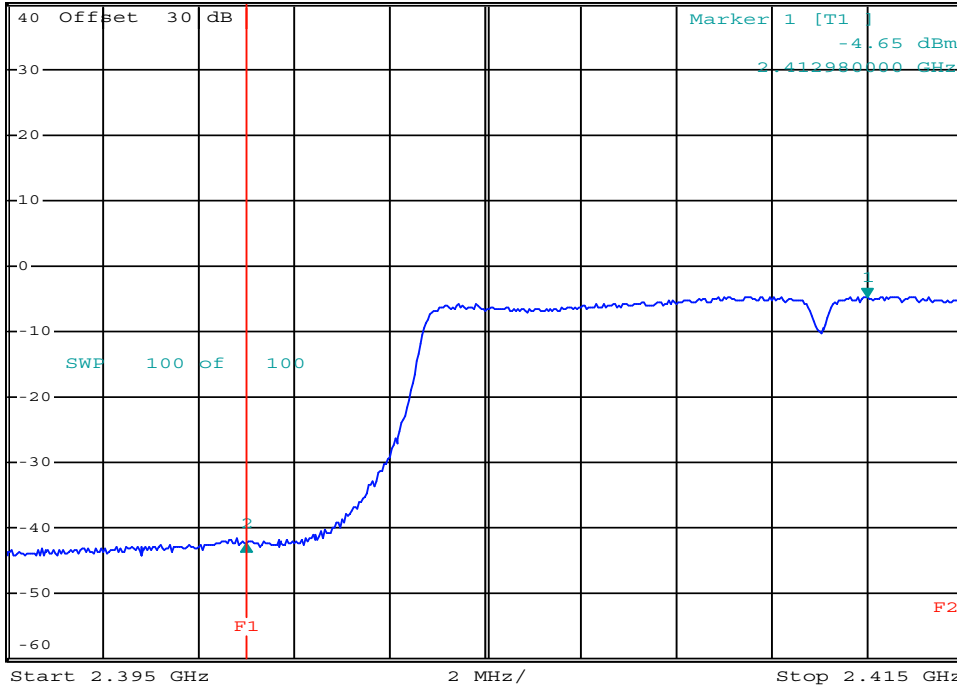


\*RBW 300 kHz Delta 2 [T1 ]  
 VBW 3 MHz -37.68 dB  
 SWT 5 ms -12.98000000 MHz

Ref 40 dBm

\*Att 20 dB

1 RM\*  
 VIEW



Date: 6.OCT.2022 13:54:13

Channel Number: **1**

Channel Frequency (MHz): **2412**

Channel Power (dBm): **-42.33**

Modulation: **OFDM**

Bit Rate (Mbps): **6**

# Upper Band Edge: 802.11g

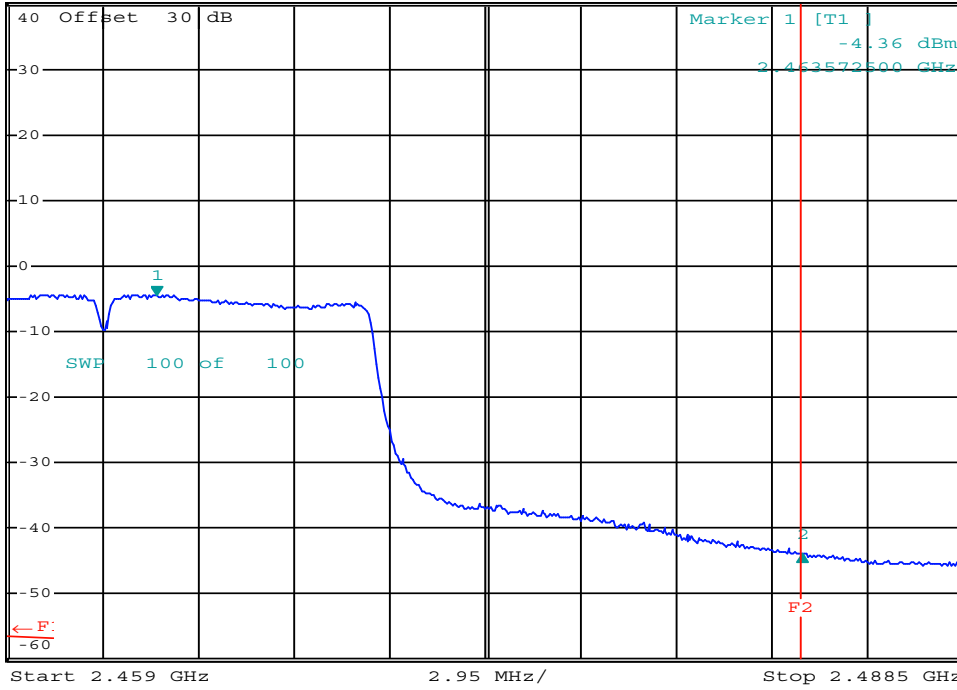


\*RBW 300 kHz Delta 2 [T1 ]  
 VBW 3 MHz -39.40 dB  
 SWT 5 ms 19.927500000 MHz

Ref 40 dBm

\*Att 20 dB

1 RM\*  
 VIEW



Date: 6.OCT.2022 14:00:16

Channel Number: **11**

Channel Frequency (MHz): **2462**

Channel Power (dBm): **-43.76**

Modulation: **OFDM**

Bit Rate (Mbps): **6**

Lower Band Edge: 802.11n

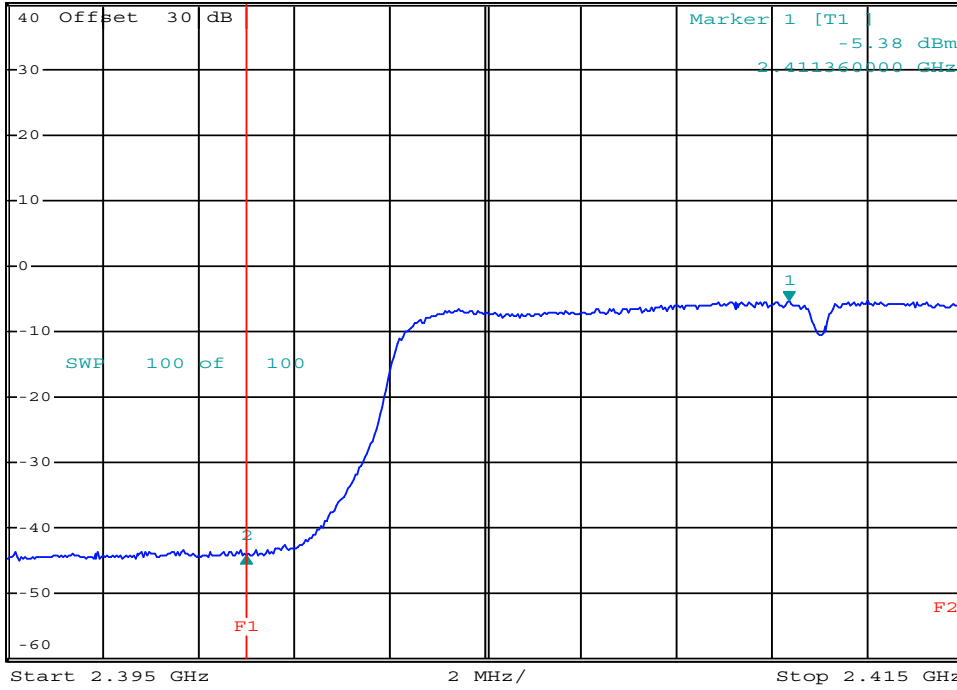


\*RBW 300 kHz Delta 2 [T1 ]  
 VBW 3 MHz -38.81 dB  
 SWT 5 ms -11.36000000 MHz

Ref 40 dBm

\*Att 20 dB

1 RM\*  
 VIEW



Date: 6.OCT.2022 13:55:05

Channel Number: **1**

Channel Frequency (MHz): **2412**

Channel Power (dBm): **-44.19**

Modulation: **OFDM**

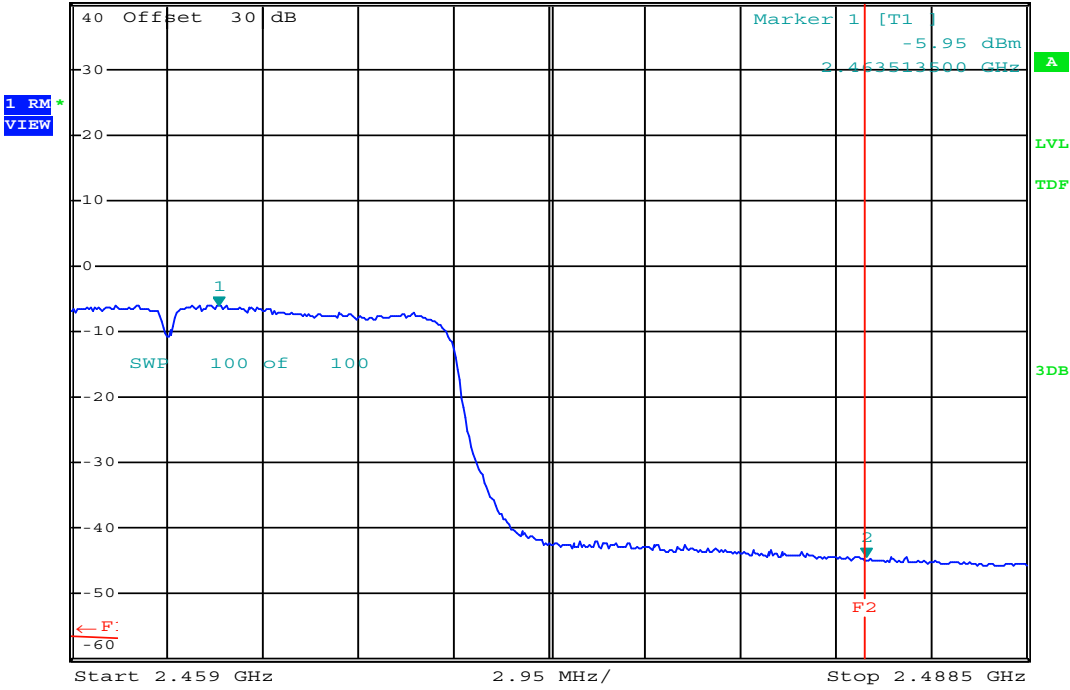
Bit Rate (Mbps): **MCS0**

# Upper Band Edge: 802.11n



\*RBW 300 kHz Marker 2 [T1 ]  
 VBW 3 MHz -44.38 dBm  
 SWT 5 ms 2.483500000 GHz

Ref 40 dBm \*Att 20 dB



Date: 6.OCT.2022 13:58:05

Channel Number: **11**

Channel Frequency (MHz): **2462**

Channel Power (dBm): **-50.33**

Modulation: **OFDM**

Bit Rate (Mbps): **MCS0**

**Band Edge Measurement Results: FHSS**

Mode	Channel Number	Frequency (MHz)	Modulation	Bit Rate (Mbps)	Transmit Duty Cycle (%)	Emission Power [P <sub>Em</sub> ] (dBm)	Antenna Gain [G <sub>T</sub> ] (dBi)	Emission EIRP [E <sub>Em</sub> ] (dBm)	Fundamental Power [P <sub>Fund</sub> ] (dBm)	Fundamental EIRP [E <sub>Fund</sub> ] (dBm)	Attenuation [Atten] (dB)	Limit (dB)	Margin (dB)
BT BR	2	2402.00	GFSK	1.0	100.00	-47.22	0.6	-46.62	0.88	1.48	48.10	30	18.1
	80	2480.00				-63.87		-63.27	1.99	2.59	65.86		35.9
BT EDR2	2	2402.00	Pi/4-DQPSK	2	100.00	-45.50	0.6	-44.90	0.95	1.55	46.45	30	16.5
	80	2480.00				-64.20		-63.60	2.13	2.73	66.33		36.3
BT EDR3	2	2402.00	8-DPSK	3	100.00	-45.07	0.6	-44.47	0.12	0.72	45.19	30	15.2
	80	2480.00				-63.58		-62.98	1.34	1.94	64.92		34.9
<b>Result:</b>												<b>Complies</b>	

Emission [E<sub>Em</sub>] = [P<sub>Em</sub>] + [G<sub>T</sub>]

Fundamental EIRP [E<sub>Fund</sub>] = [P<sub>Fund</sub>] + [G<sub>T</sub>]

Attenuation [Atten] = [E<sub>Fund</sub>] - [E<sub>Em</sub>]

Margin = Attenuation - Limit



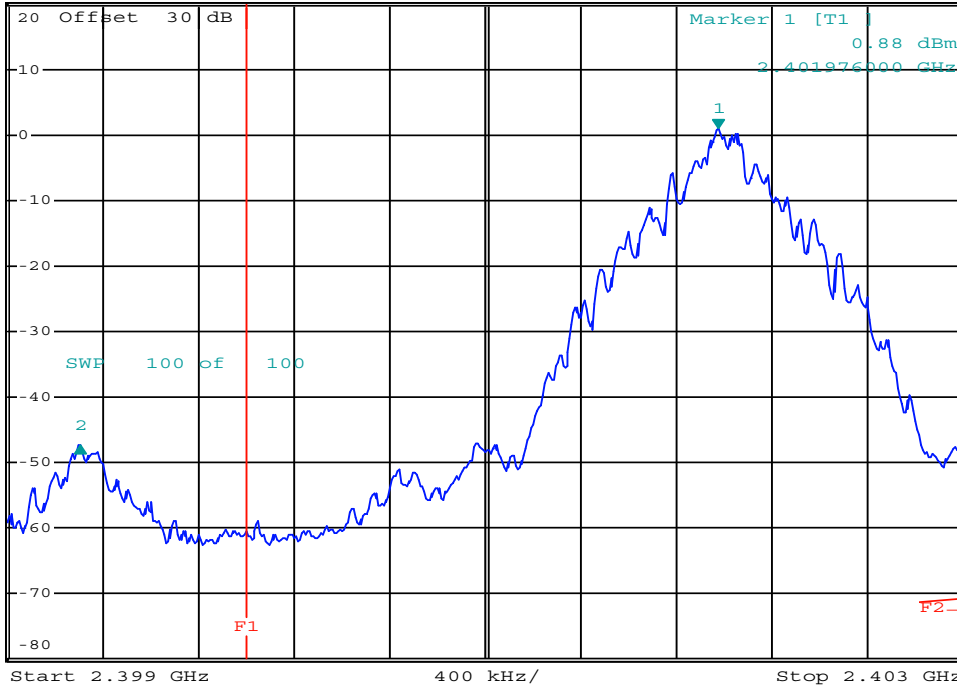
**Lower Band Edge: BT BR**



\*RBW 30 kHz Delta 2 [T1 ]  
 VBW 300 kHz -48.10 dB  
 SWT 5 ms -2.676000000 MHz

Ref 20 dBm \*Att 0 dB

1 RM\*  
 VIEW



Date: 6.OCT.2022 12:21:28

Channel Number: **2**

Channel Frequency (MHz): **2402**

Emission Power (dBm): **-47.22**

Modulation: **GFSK**

Bit Rate (Mbps): **2**

# Upper Band Edge: BT EDR2

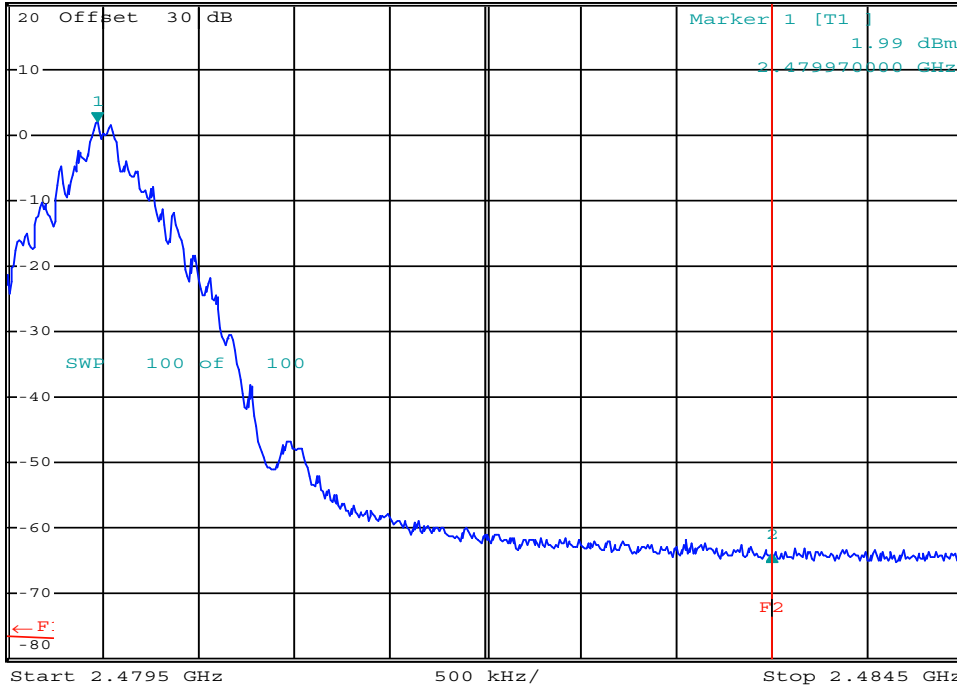


\*RBW 30 kHz Delta 2 [T1 ]  
 VBW 300 kHz -65.86 dB  
 SWT 10 ms 3.530000000 MHz

Ref 20 dBm

\*Att 0 dB

1 RM\*  
 VIEW



Date: 6.OCT.2022 12:13:53

Channel Number: **80**

Channel Frequency (MHz): **2480**

Emission Power (dBm): **-63.87**

Modulation: **GFSK**

Bit Rate (Mbps): **2**

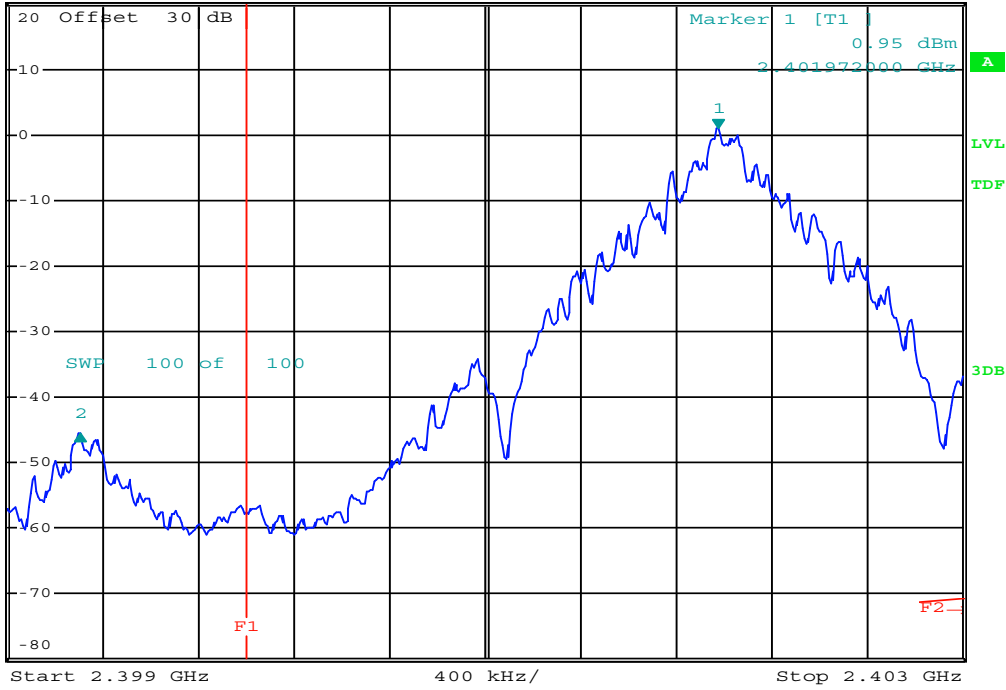
# Lower Band Edge: BT EDR2



\*RBW 30 kHz Delta 2 [T1 ]  
 VBW 300 kHz -46.45 dB  
 SWT 5 ms -2.668000000 MHz

Ref 20 dBm \*Att 0 dB

1 RM\*  
 VIEW



Date: 6.OCT.2022 12:16:22

Channel Number: <b>2</b>	Channel Frequency (MHz): <b>2402</b>	Emission Power (dBm): <b>-45.50</b>
Modulation: <b>PI/4-DQPSK</b>	Bit Rate (Mbps): <b>2</b>	

# Upper Band Edge: BT EDR2

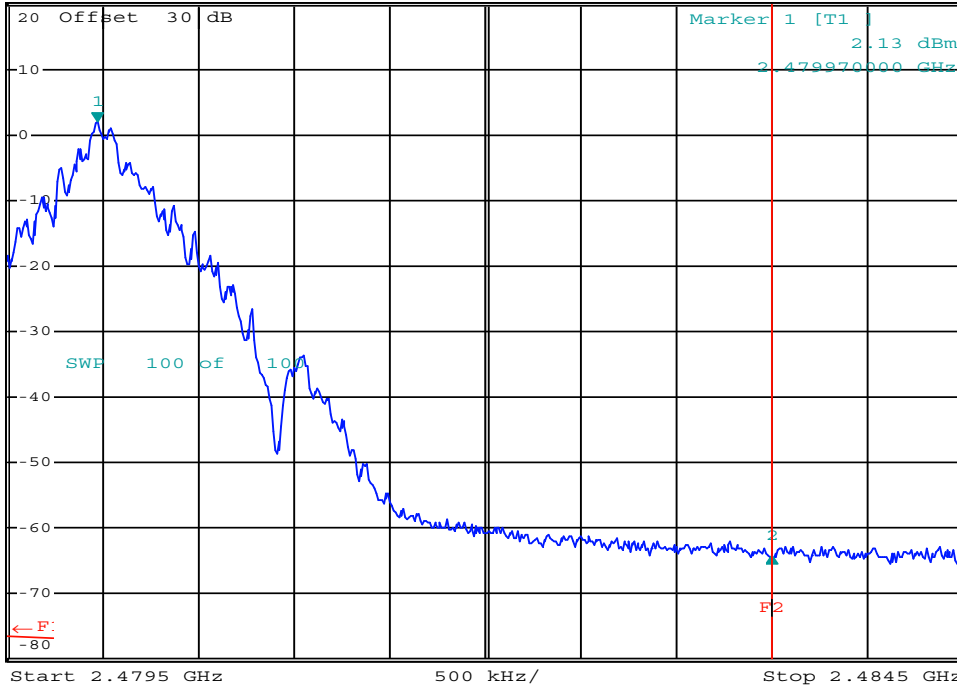


\*RBW 30 kHz Delta 2 [T1 ]  
 VBW 300 kHz -66.33 dB  
 SWT 10 ms 3.530000000 MHz

Ref 20 dBm

\*Att 0 dB

1 RM\*  
 VIEW



Date: 6.OCT.2022 12:14:48

Channel Number: **80**

Channel Frequency (MHz): **2480**

Emission Power (dBm): **-64.20**

Modulation: **PI4-DQPSK**

Bit Rate (Mbps): **2**

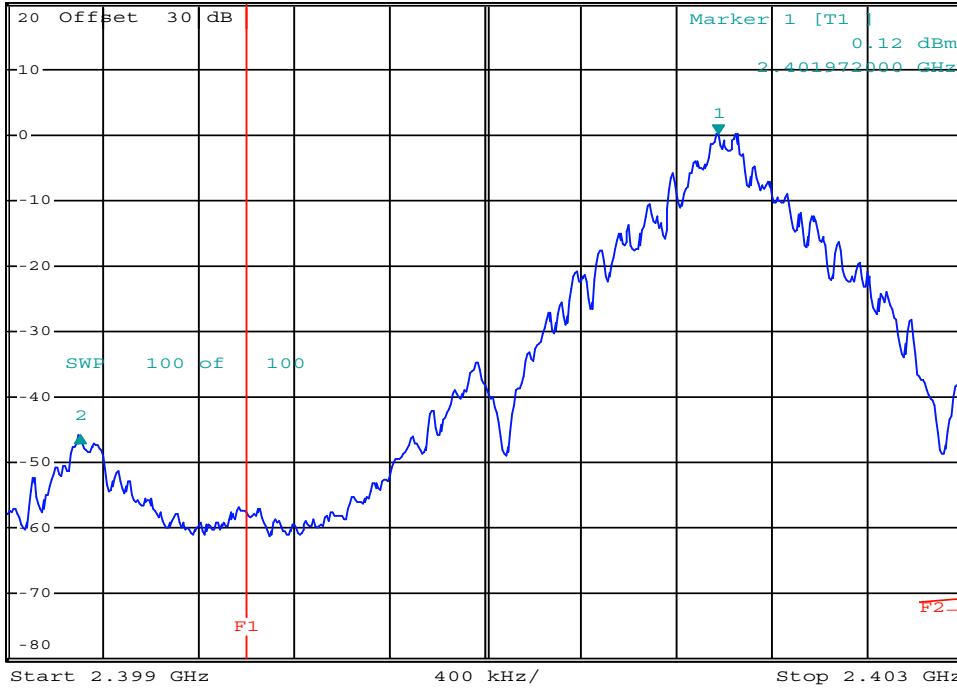
# Lower Band Edge: BT EDR3



\*RBW 30 kHz Delta 2 [T1 ]  
 VBW 300 kHz -45.91 dB  
 SWT 5 ms -2.672000000 MHz

Ref 20 dBm \*Att 0 dB

1 RM\*  
 VIEW



Date: 6.OCT.2022 12:17:18

Channel Number: **2**

Channel Frequency (MHz): **2402**

Emission Power (dBm): **-45.07**

Modulation: **8-DPSK**

Bit Rate (Mbps): **2**

# Upper Band Edge: BT EDR3

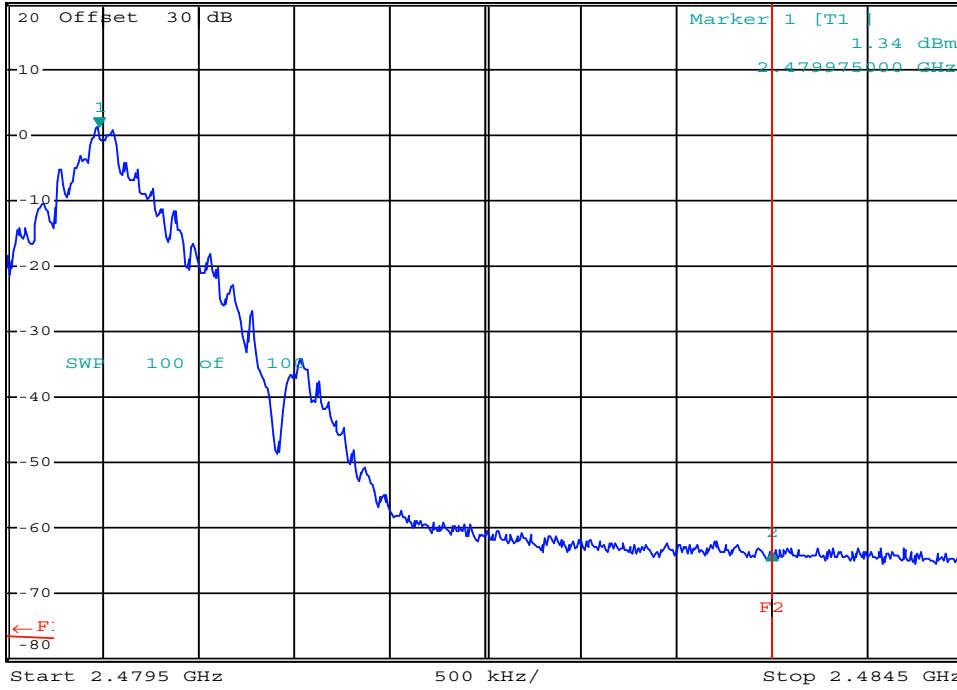


\*RBW 30 kHz Delta 2 [T1 ]  
 VBW 300 kHz -64.92 dB  
 SWT 10 ms 3.525000000 MHz

Ref 20 dBm

\*Att 0 dB

1 RM\*  
 VIEW



LVL  
 TDF  
 3DB

Date: 6.OCT.2022 12:18:45

Channel Number: **80**

Channel Frequency (MHz): **2480**

Emission Power (dBm): **-63.58**

Modulation: **8-DPSK**

Bit Rate (Mbps): **2**