

Band Edge Measurement Results: 802.11

Mode	Channel Number	Frequency (MHz)	Modulation	Bit Rate (Mbps)	Transmit Duty Cycle (%)	Emission Power [P _{Em}] (dBm)	Antenna Gain* [G _T] (dBi)	Emission EIRP [E _{Em}] (dBm)	Fundamental EIRP [E _{Fund}] (dBm)	Attenuation [Atten] (dB)	Limit (dB)	Margin (dB)
802.11b	1	2412.00	DSSS	5.5	100.00	-24.92	0.6	-24.32	18.94	43.26	30	13.3
	11	2462.00				-39.15		-38.55		57.49		27.5
802.11g	1	2412.00	OFDM	6		-25.22		-24.62	17.04	41.66		11.7
	11	2462.00				-34.77		-34.17		51.21		21.2
802.11n	1	2412.00	OFDM	MCS0		-24.99		-24.39	16.96	41.35		11.4
	11	2462.00				-33.93		-33.33		50.29		20.3
Result:										Complies		

Emission [E_{Em}] = [P_{Em}] + [G_T]

Fundamental Power [E_{Fund}] : See Section 10.0

Attenuation [Atten] = [E_{Fund}] - [E_{Em}]

Margin = Attenuation - Limit

* Information regarding antenna gain provided by applicant

Lower Band Edge: 802.11b

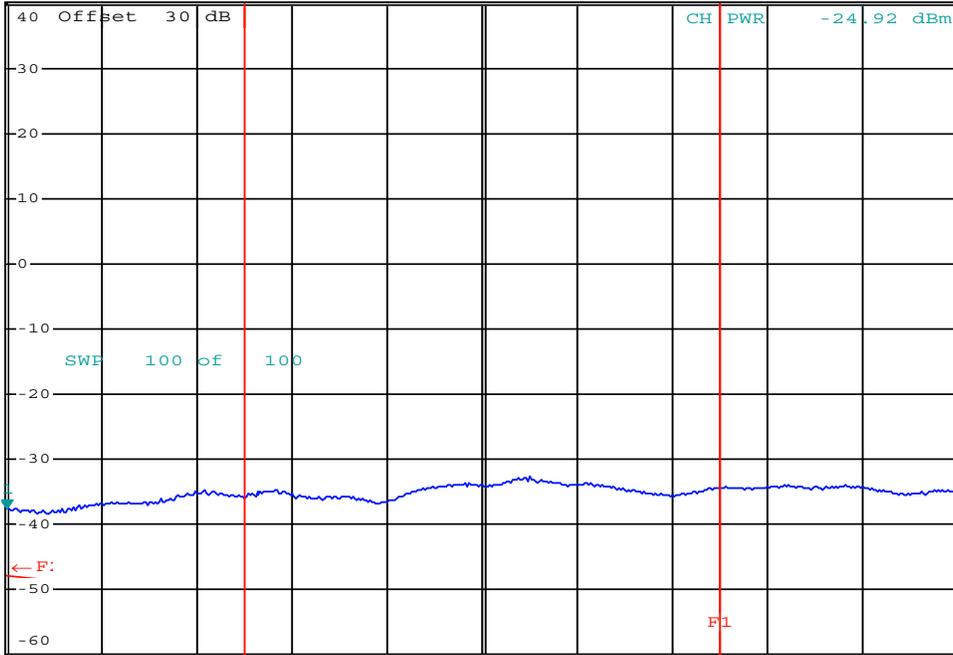


*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -37.57 dBm
 *Att 10 dB 2.398500000 GHz
 *SWT 20 ms

Ref 40 dBm

*Att 10 dB

1 RM*
 VIEW



A

LVL

3DB

Center 2.3995 GHz 200 kHz/ Span 2 MHz

Date: 30.MAY.2021 13:59:54

Channel Number: **1**

Channel Frequency (MHz): **2412**

Channel Power (dBm): **-24.92**

Modulation: **DSSS**

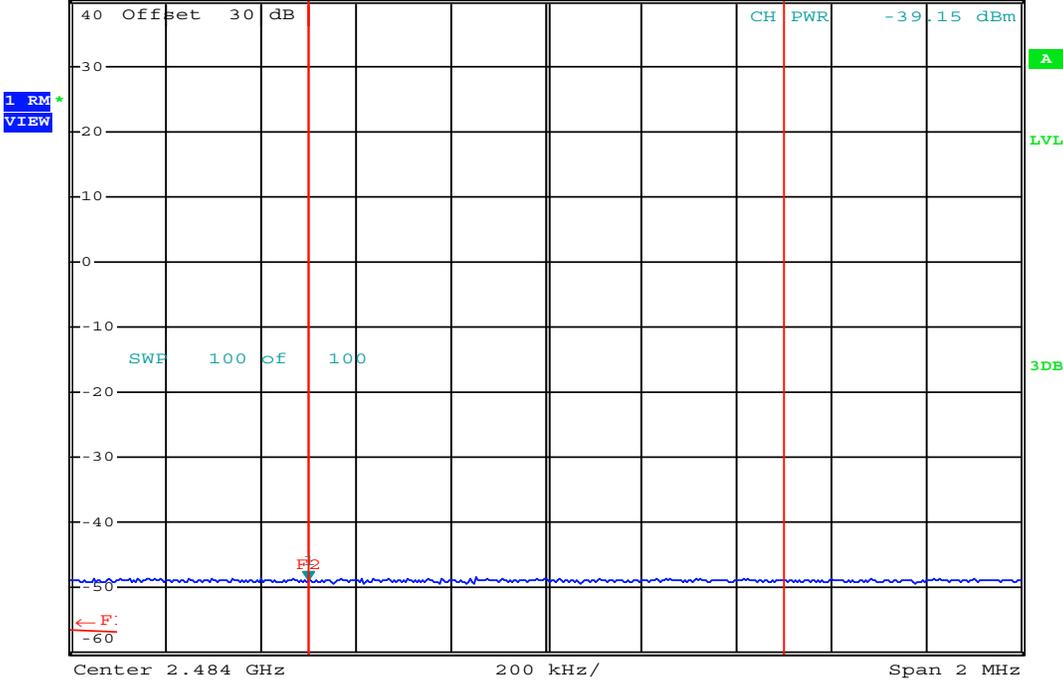
Bit Rate (Mbps): **5.5**

Upper Band Edge: 802.11b



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -48.82 dBm
 *Att 10 dB
 *SWT 20 ms 2.483500000 GHz

Ref 40 dBm



Date: 30.MAY.2021 14:01:56

Channel Number: **11**

Channel Frequency (MHz): **2462**

Channel Power (dBm): **-39.15**

Modulation: **DSSS**

Bit Rate (Mbps): **5.5**

Lower Band Edge: 802.11g



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -35.60 dBm
 *Att 10 dB 2.400000000 GHz

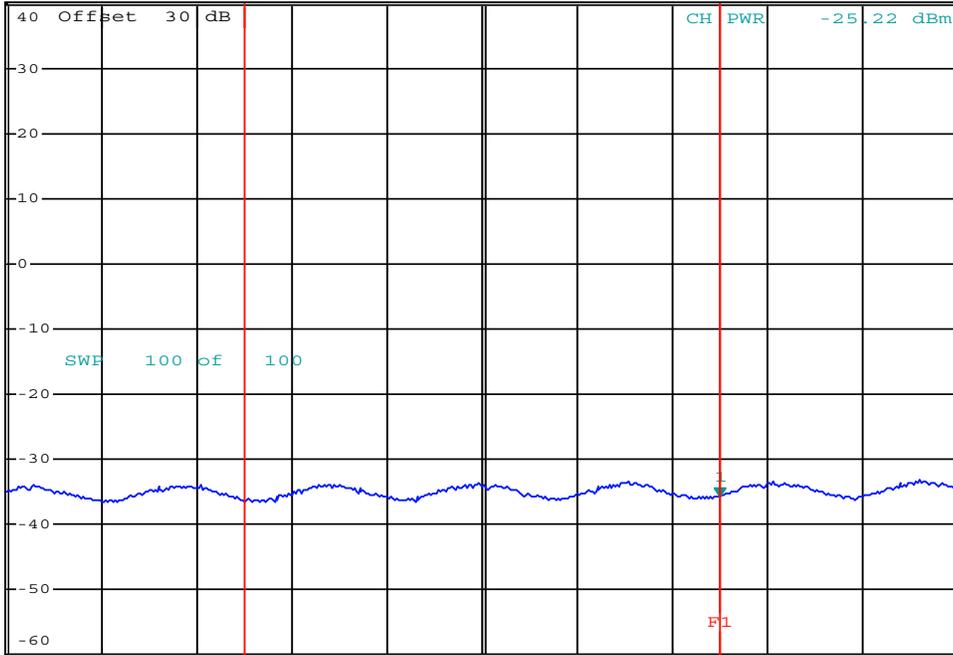
Ref 40 dBm

*Att 10 dB

*SWT 20 ms

2.400000000 GHz

1 RM*
VIEW



Center 2.3995 GHz 200 kHz/ Span 2 MHz

Date: 30.MAY.2021 13:55:59

Channel Number: **1**

Channel Frequency (MHz): **2412**

Channel Power (dBm): **-25.22**

Modulation: **OFDM**

Bit Rate (Mbps): **6**

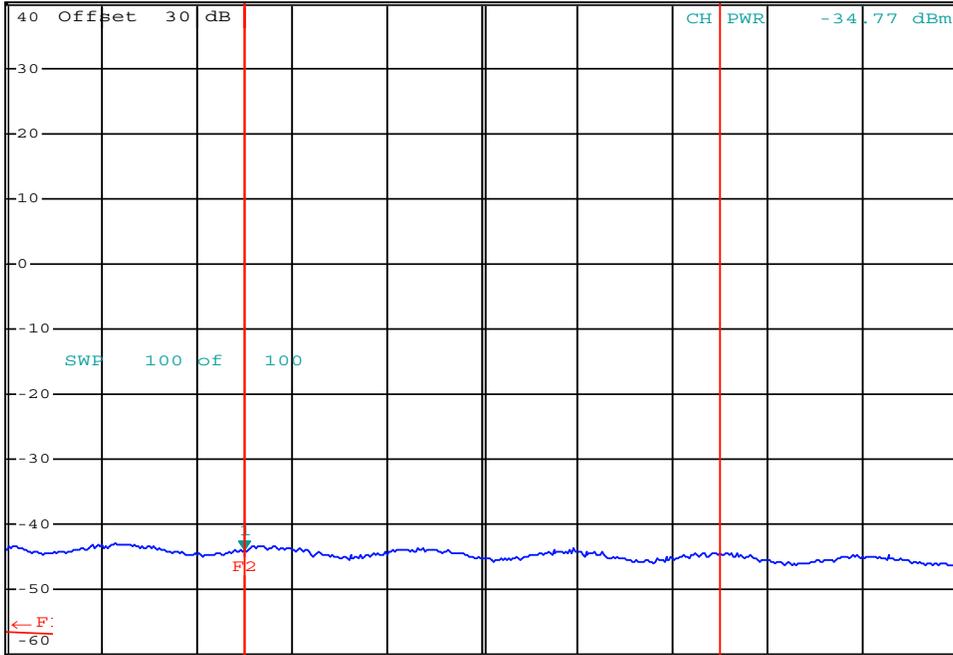
Upper Band Edge: 802.11g



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -43.88 dBm
 *Att 10 dB *SWT 20 ms 2.483500000 GHz

Ref 40 dBm

1 RM*
 VIEW



A

LVL

3DB

Center 2.484 GHz 200 kHz/ Span 2 MHz

Date: 30.MAY.2021 14:02:34

Channel Number: **11**

Channel Frequency (MHz): **2462**

Channel Power (dBm): **-34.77**

Modulation: **OFDM**

Bit Rate (Mbps): **6**

Lower Band Edge: 802.11n

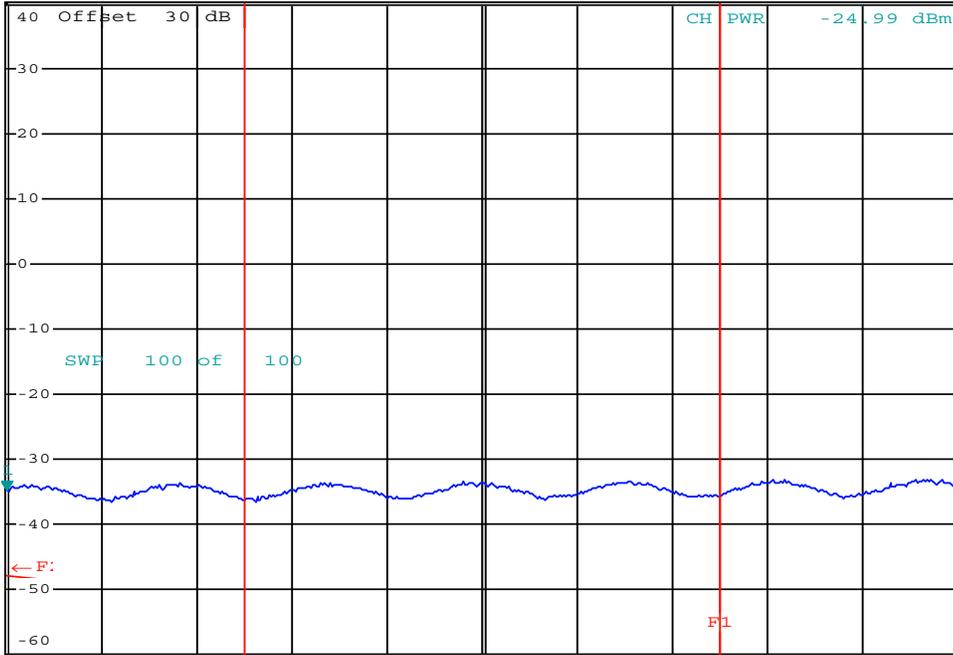


*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -34.71 dBm
 *Att 10 dB 2.398500000 GHz
 *SWT 20 ms

Ref 40 dBm

*Att 10 dB

1 RM*
 VIEW



Center 2.3995 GHz 200 kHz/ Span 2 MHz

Date: 30.MAY.2021 13:59:09

Channel Number: **1**

Channel Frequency (MHz): **2412**

Channel Power (dBm): **24.99**

Modulation: **OFDM**

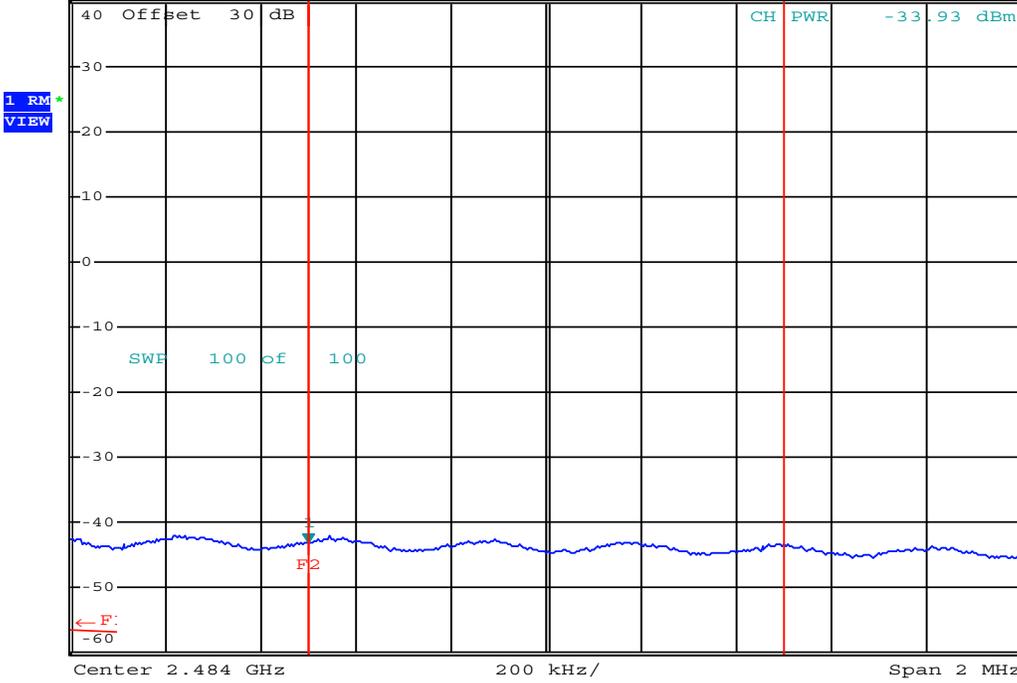
Bit Rate (Mbps): **MCS0**

Upper Band Edge: 802.11n



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -43.11 dBm
 *Att 10 dB 2.483500000 GHz
 *SWT 20 ms

Ref 40 dBm



Date: 30.MAY.2021 14:03:11

Channel Number: **11**

Channel Frequency (MHz): **2462**

Channel Power (dBm): **-33.93**

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 _{Em}] (dBm)	Antenna Gain* [G _T] (dBi)	Emission EIRP [E _{Em}] (dBm)	Fundamental EIRP [E _{Fund}] (dBm)	Attenuation [Atten] (dB)	Limit (dB)	Margin (dB)
BT EDR2	2	2402.00	Pi/4-DQPSK	2.0	100.00	-31.74	0.6	-31.14	6.58	37.72	30	7.7
	80	2480.00				-39.13		-38.53		45.11		15.1
BT EDR3	2	2402.00	8-DPSK	3		-36.91		-36.31	6.61	42.92		12.9
	80	2480.00				-39.13		-38.53		45.14		15.1
Result:											Complies	

Emission [E_{Em}] = [P_{Em}] + [G_T]

Fundamental Power [E_{Fund}] : See Section 10.0

Attenuation [Atten] = [E_{Fund}] - [E_{Em}]

Margin = Attenuation - Limit

* Information regarding antenna gain provided by applicant

Lower Band Edge: BT EDR2

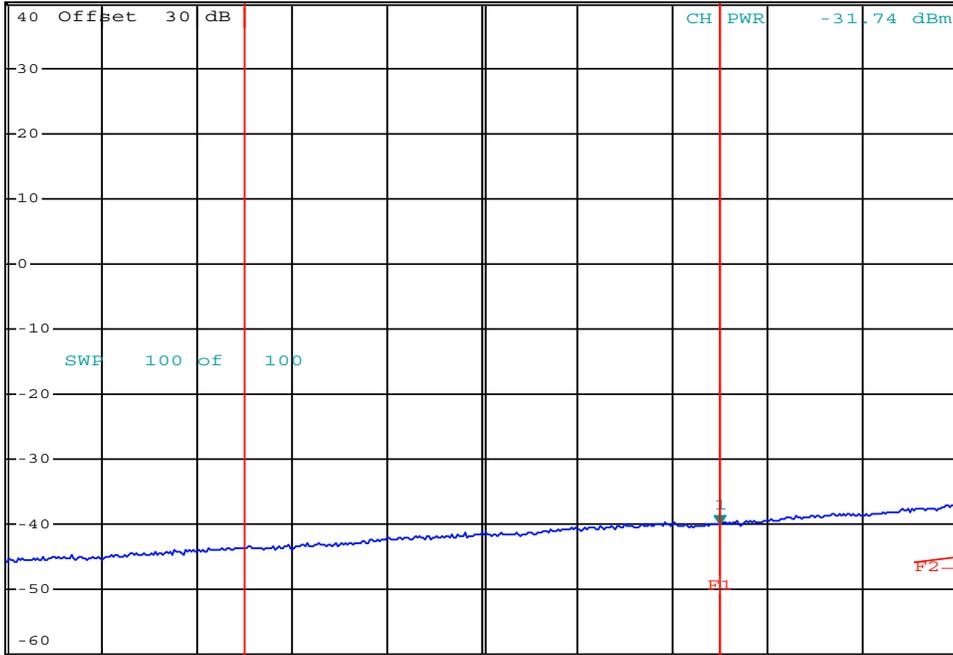


*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -39.94 dBm
 *Att 10 dB 2.400000000 GHz
 *SWT 20 ms

Ref 40 dBm

*Att 10 dB

1 RM*
 VIEW



Center 2.3995 GHz 200 kHz/ Span 2 MHz

Date: 30.MAY.2021 14:33:53

Channel Number: **2**

Channel Frequency (MHz): **2402**

Channel Power (dBm): **-31.74**

Modulation: **PI/4-DQPSK**

Bit Rate (Mbps): **2**

Upper Band Edge: BT EDR2

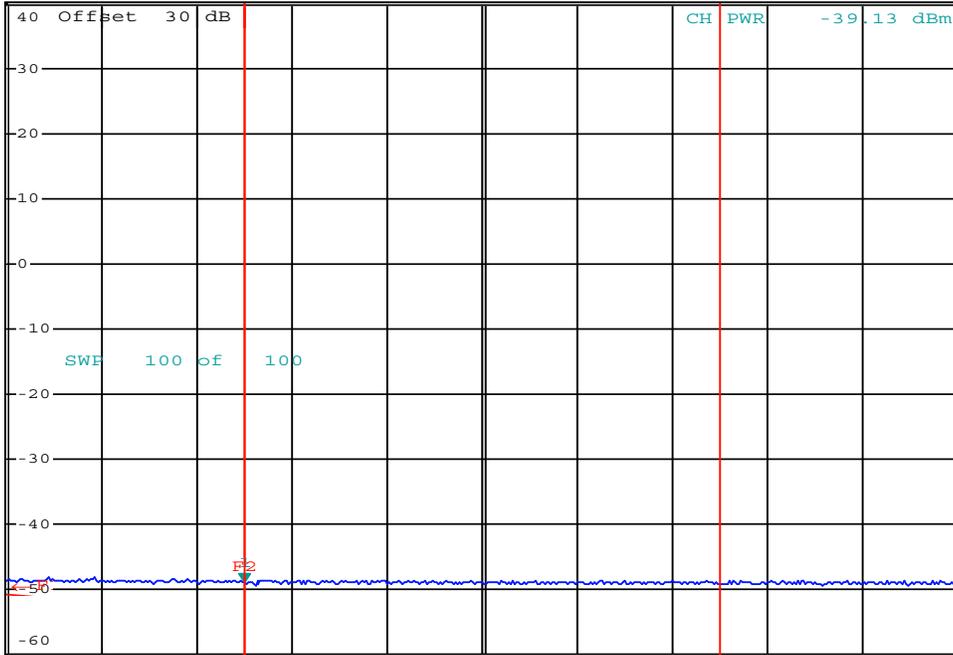


*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -48.91 dBm
 *Att 10 dB 2.483500000 GHz
 *SWT 20 ms

Ref 40 dBm

*Att 10 dB

1 RM*
VIEW



Center 2.484 GHz 200 kHz/ Span 2 MHz

Date: 30.MAY.2021 14:34:33

Channel Number: **80**

Channel Frequency (MHz): **2480**

Channel Power (dBm): **-39.13**

Modulation: **PI/4-DQPSK**

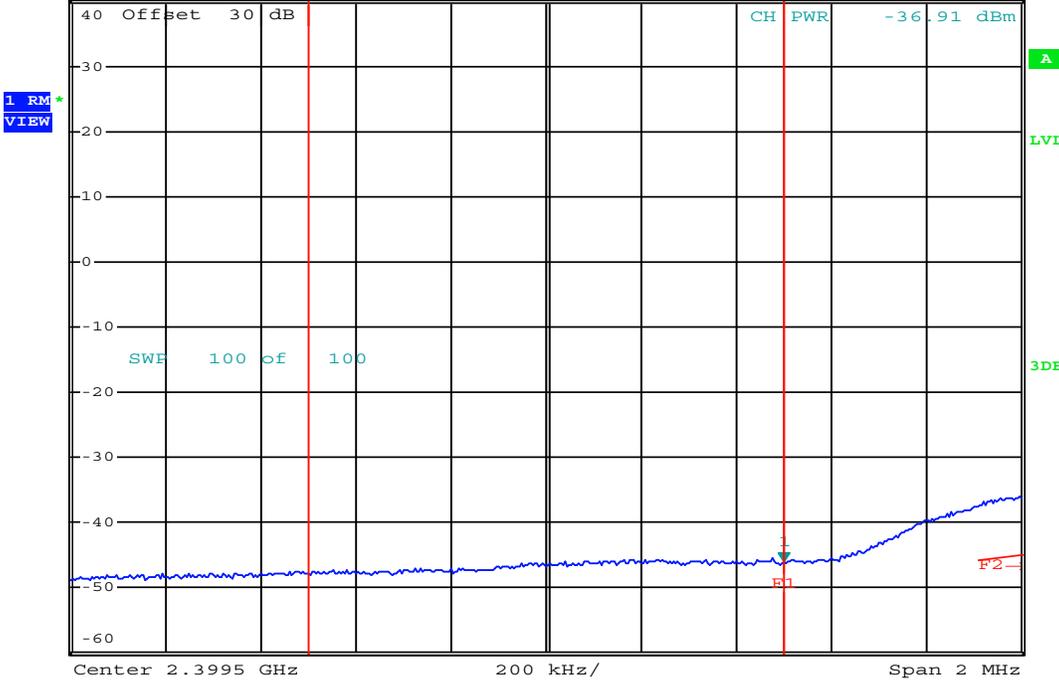
Bit Rate (Mbps): **2**

Lower Band Edge: BT EDR3



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -45.83 dBm
 *Att 10 dB *SWT 20 ms 2.400000000 GHz

Ref 40 dBm



Date: 30.MAY.2021 14:32:52

Channel Number: **2**

Channel Frequency (MHz): **2402**

Channel Power (dBm): **-36.91**

Modulation: **8-DPSK**

Bit Rate (Mbps): **2**

Upper Band Edge: BT EDR3

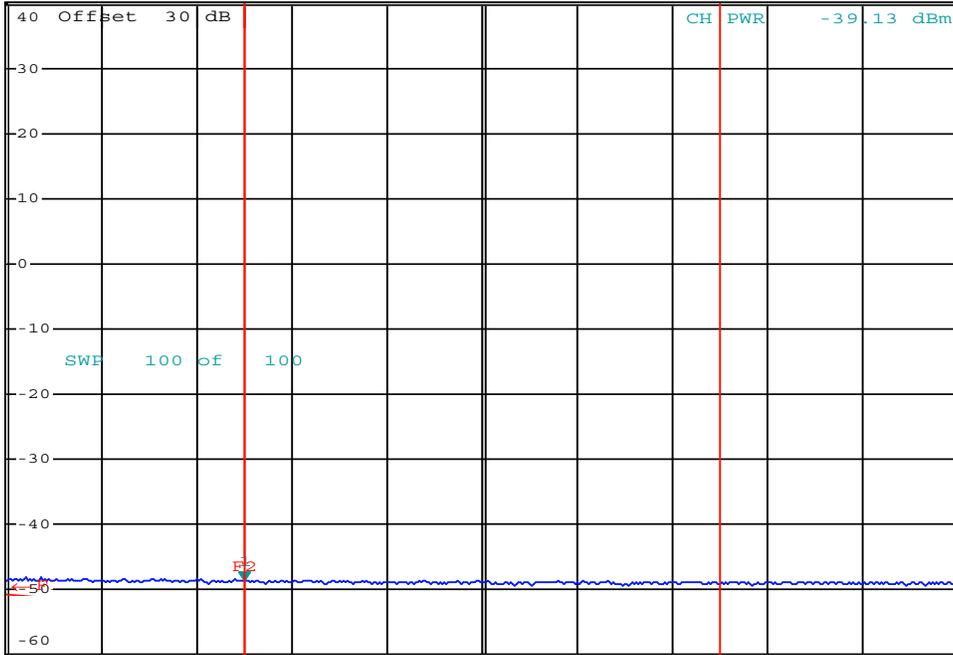


*RBW 100 kHz Marker 1 [T1]
VBW 1 MHz -48.51 dBm
*SWT 20 ms 2.483500000 GHz

Ref 40 dBm

*Att 10 dB

1 RM*
VIEW



Center 2.484 GHz 200 kHz/ Span 2 MHz

Date: 30.MAY.2021 14:31:26

Channel Number: **80**

Channel Frequency (MHz): **2480**

Channel Power (dBm):

-39.13

Modulation: **8-DPSK**

Bit Rate (Mbps): **2**