



Test Report Serial Number:

45461626 R1.0

Test Report Date:

4 December 2020

Project Number:

1510

Appendix G - Conducted Power Density Measurement Plots

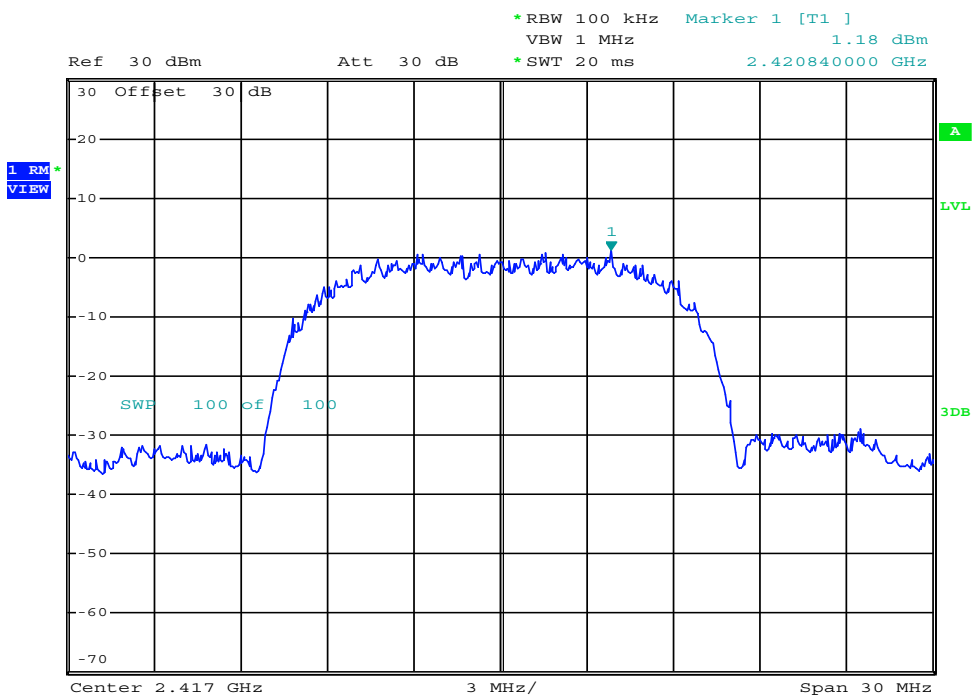
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Power Spectral Density Measurement Results - DTS					
Frequency (MHz)	Modulation	Bit Rate (Mbps)	Measured PSD [P _{Meas}] (dBm)	PSD Limit [P _{Lim}] (dBm)	Margin (dB)
2417.00	DSSS	5.5	1.18	8	6.820
2417.00	OFDM	12.0	-6.24	8	14.240
2417.00	MCS7	-	-6.52	8	14.520
RESULT:					Complies

Margin = P_{Limit} - P_{Meas}

Power Spectral Density



Date: 2.DEC.2020 12:56:08

Channel Frequency:

2417.00 MHz

DUT Modulation:

DSSS

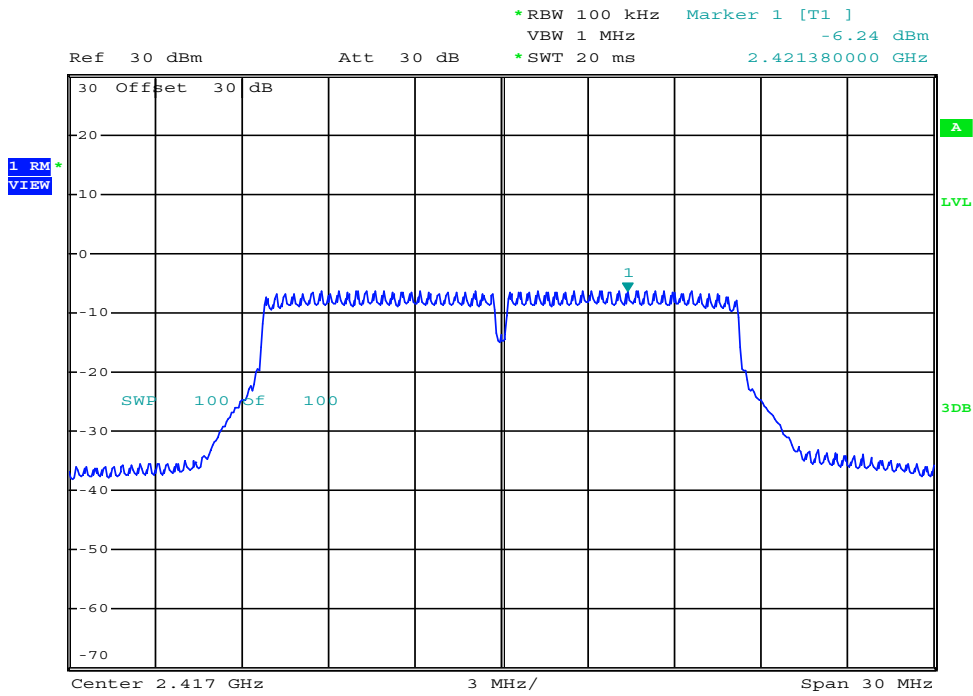
Data Rate:

5.5 Mbps

Measured PSD:

1.18 dBm

Power Spectral Density



Date: 2.DEC.2020 12:54:57

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

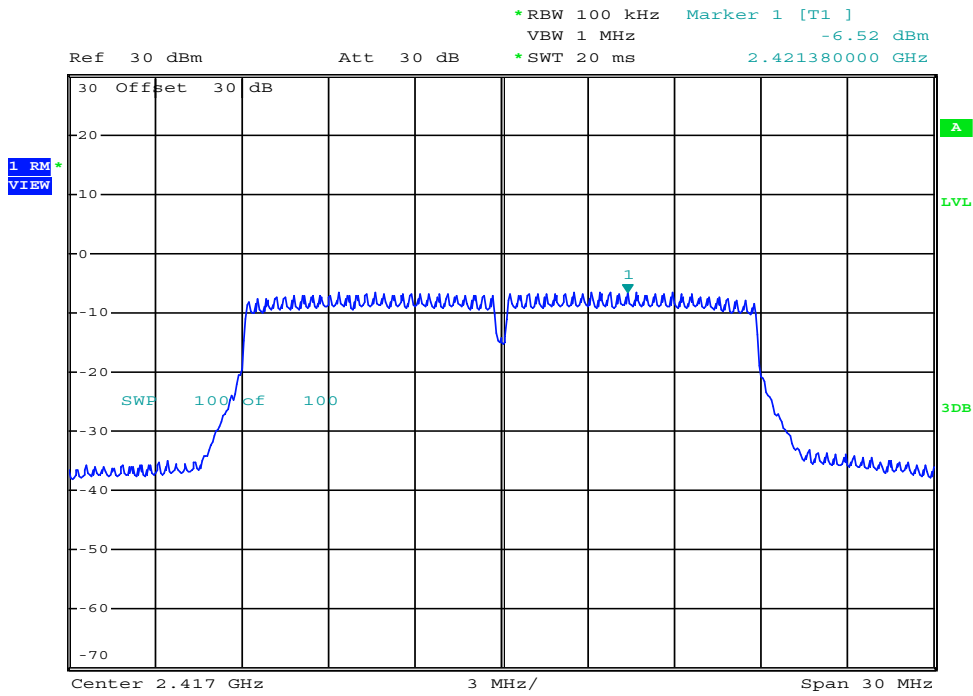
Data Rate:

12 Mbps

Measured PSD:

-6.24 dBm

Power Spectral Density



Date: 2.DEC.2020 12:53:41

Channel Frequency:

2417.00 MHz

DUT Modulation:

MCS7

Data Rate:

- Mbps

Measured PSD:

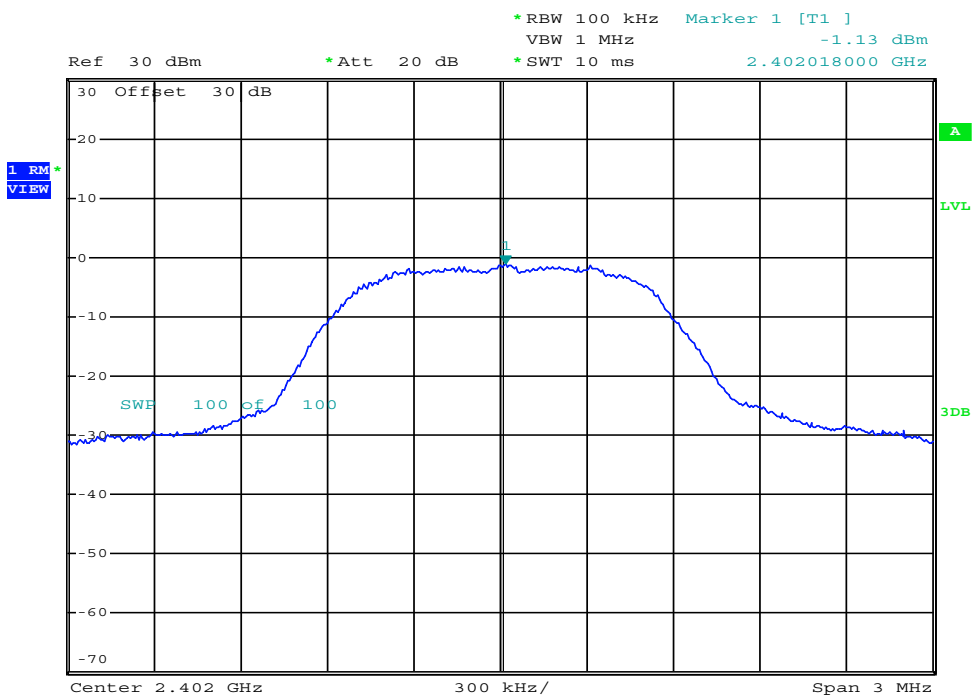
-6.52 dBm

Power Spectral Density Measurement Results - DSS

Frequency (MHz)	Modulation	Bit Rate (Mbps)	Measured PSD [P _{Meas}] (dBm)	PSD Limit [P _{Lim}] (dBm)	Margin (dB)
2402.00	Pi/4-DQPSK	2.0	-1.13	8	9.130
2442.00	Pi/4-DQPSK	2.0	-1.52	8	9.520
2480.00	Pi/4-DQPSK	2.0	-2.10	8	10.100
2402.00	8-DPSK	3.0	-1.26	8	9.260
2442.00	8-DPSK	3.0	-1.85	8	9.850
2480.00	8-DPSK	3.0	-2.52	8	10.520
Result:					Complies

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

Power Spectral Density



Date: 2.DEC.2020 15:48:42

Channel Frequency:

2402.00 MHz

DUT Modulation:

Pi/4-DQPSK

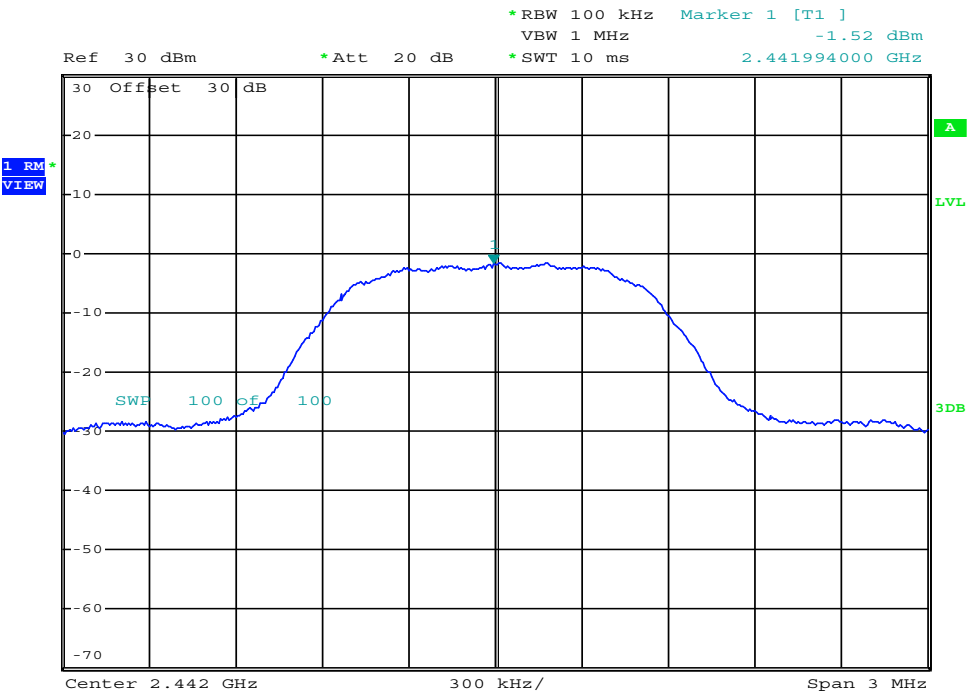
Data Rate:

2 Mbps

Measured PSD:

-1.13 dBm

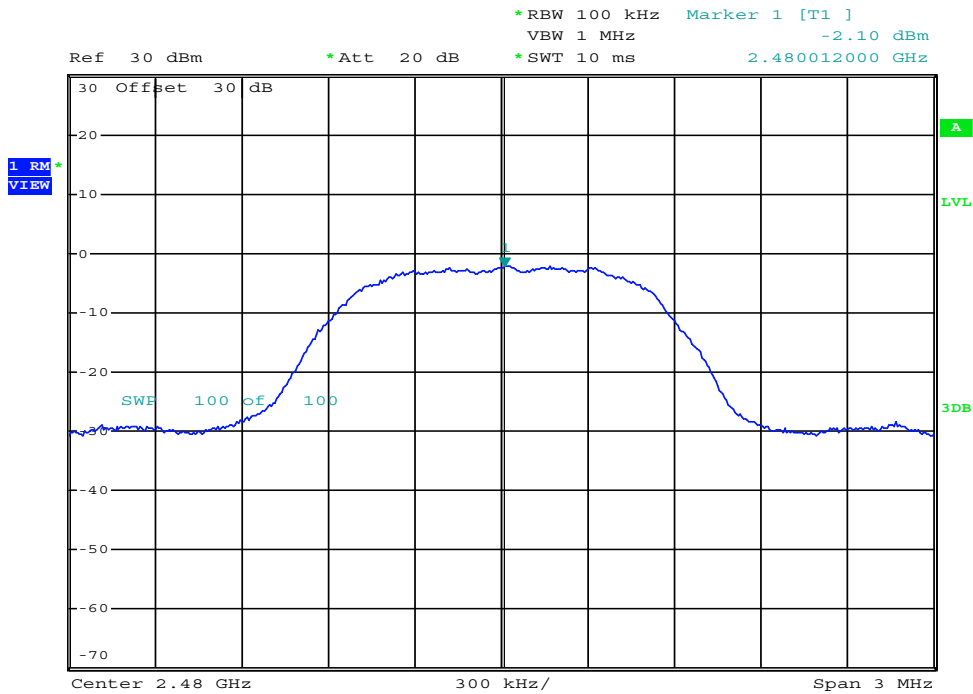
Power Spectral Density



Date: 2.DEC.2020 15:50:15

Channel Frequency: 2442.00 MHz		
DUT Modulation: Pi/4-DQPSK	Data Rate: 2 Mbps	Measured PSD: -1.52 dBm

Power Spectral Density



Date: 2.DEC.2020 15:49:18

Channel Frequency:

2480.00 MHz

DUT Modulation:

Pi/4-DQPSK

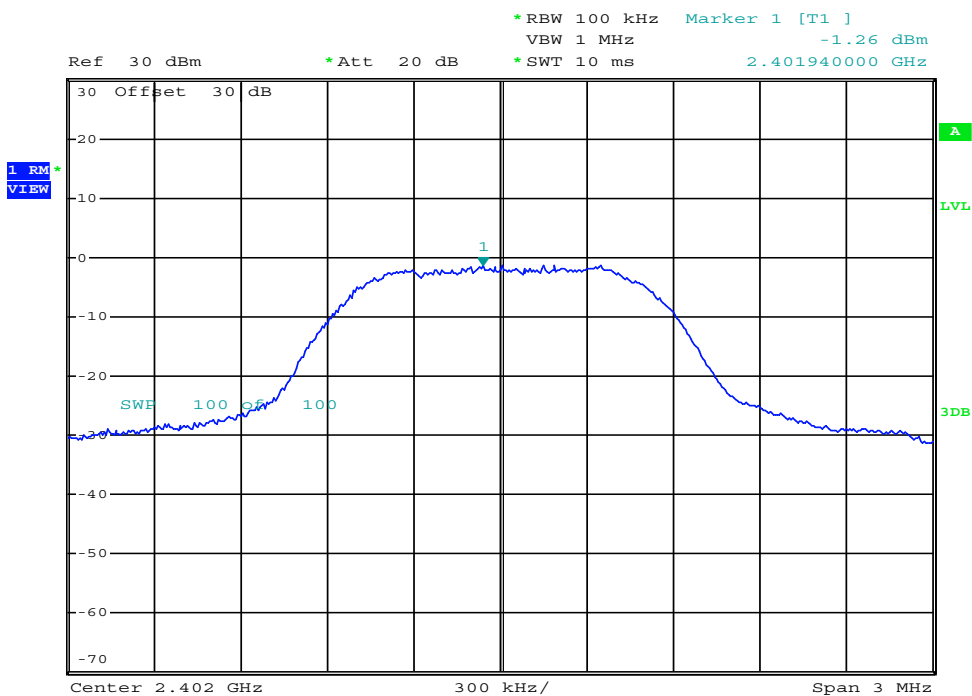
Data Rate:

2 Mbps

Measured PSD:

-2.10 dBm

Power Spectral Density



Date: 2.DEC.2020 15:52:08

Channel Frequency:

2402.00 MHz

DUT Modulation:

8-DPSK

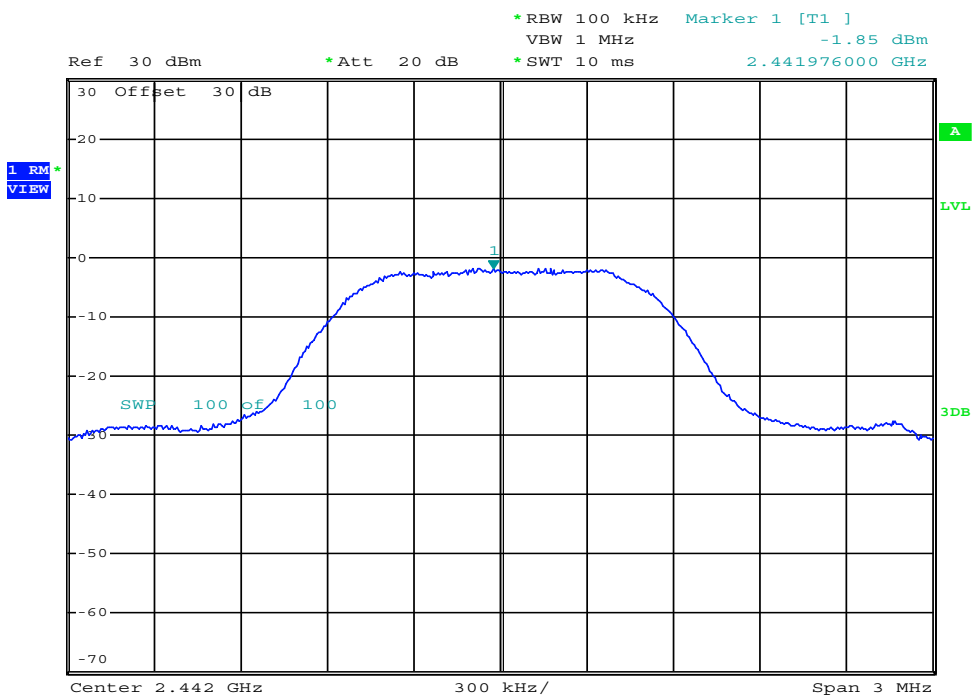
Data Rate:

3 Mbps

Measured PSD:

-1.26 dBm

Power Spectral Density



Date: 2.DEC.2020 15:50:55

Channel Frequency:

2442.00 MHz

DUT Modulation:

8-DPSK

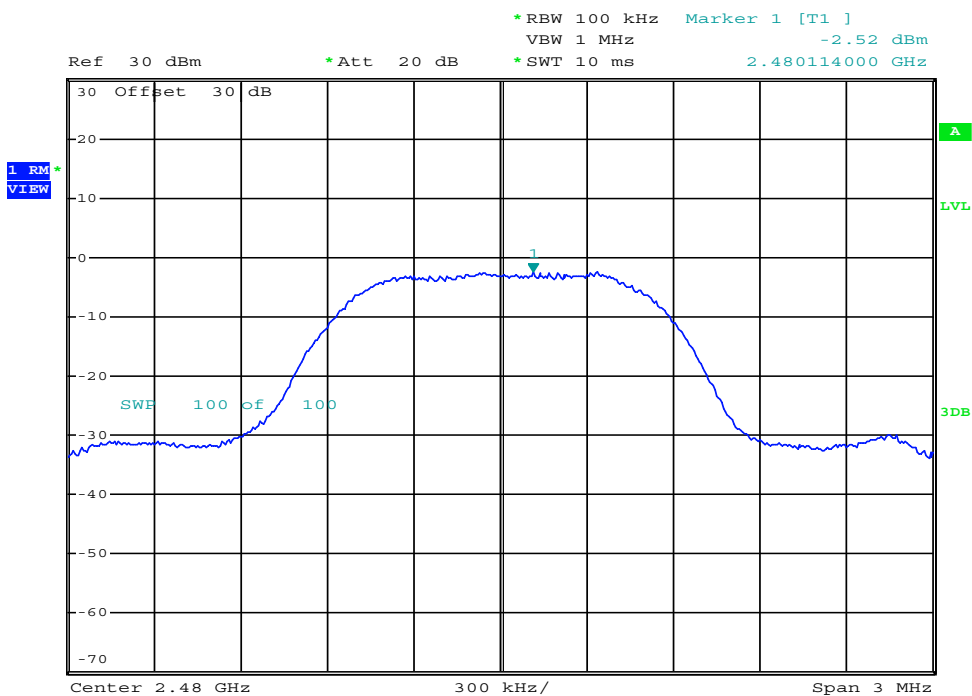
Data Rate:

3 Mbps

Measured PSD:

-1.85 dBm

Power Spectral Density



Date: 2.DEC.2020 15:52:50

Channel Frequency:

2480.00 MHz

DUT Modulation:

8-DPSK

Data Rate:

3 Mbps

Measured PSD:

-2.52 dBm