



Test Report Serial Number:

45461624 R1.0

Test Report Date:

4 December 2020

Project Number:

1511

Appendix G - Conducted Power Density Measurement Plots

This report shall not be reproduced in any form without the expressed written consent of Celltech Labs Inc.

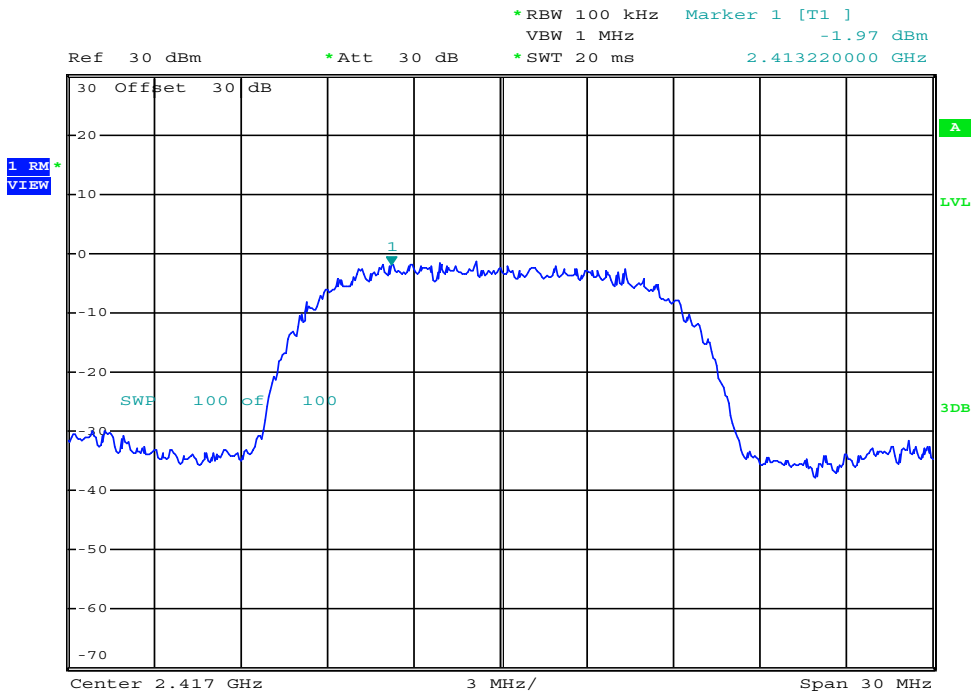
© 2020 Celltech Labs Inc,

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	CCK	2.0	-1.41	8	9.410
2417.00	DSSS	5.5	-1.40	8	9.400
2417.00	DSSS	11.0	-1.97	8	9.970
2417.00	OFDM	6.0	-4.56	8	12.560
2417.00	MCS0	-	-4.82	8	12.820
				RESULT:	Complies

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

Power Spectral Density



Date: 19.NOV.2020 15:55:11

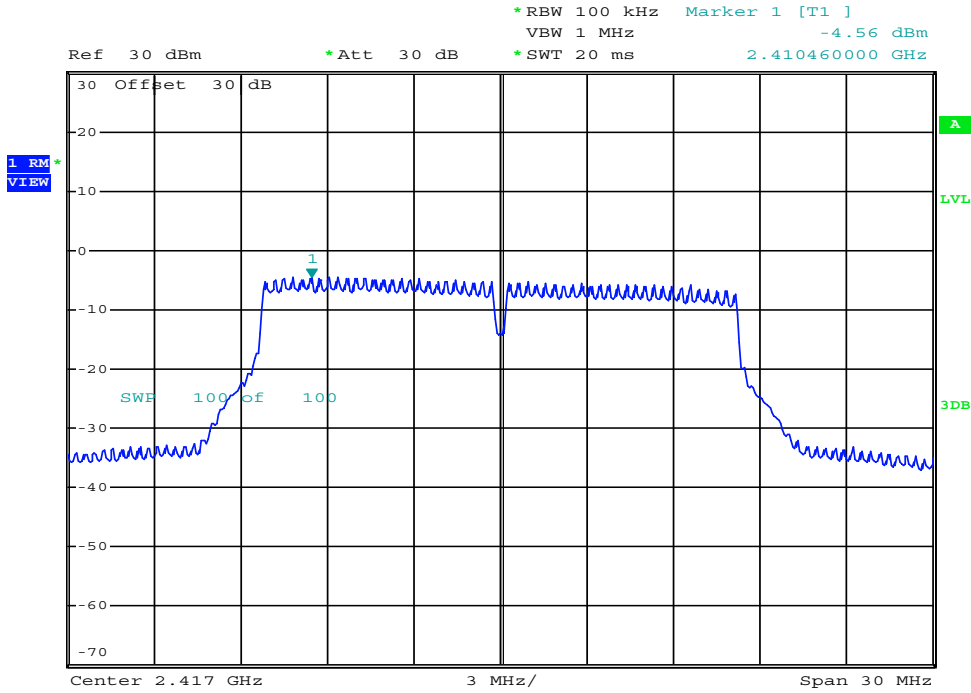
Channel Frequency:
2417.00 MHz

DUT Modulation:
DSSS

Data Rate:
11 Mbps

Measured PSD:
-1.97 dBm

Power Spectral Density



Date: 19.NOV.2020 15:57:57

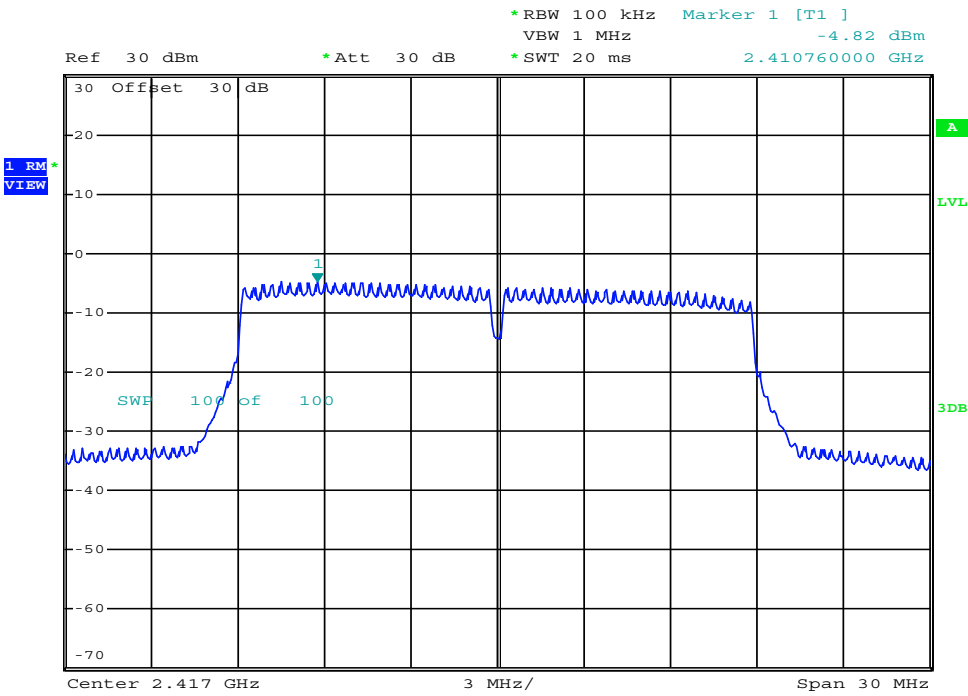
Channel Frequency:
2417.00 MHz

DUT Modulation:
OFDM

Data Rate:
6 Mbps

Measured PSD:
-4.56 dBm

Power Spectral Density



Date: 19.NOV.2020 15:59:45

Channel Frequency:
2417.00 MHz

DUT Modulation:
MCS0

Data Rate:
- Mbps

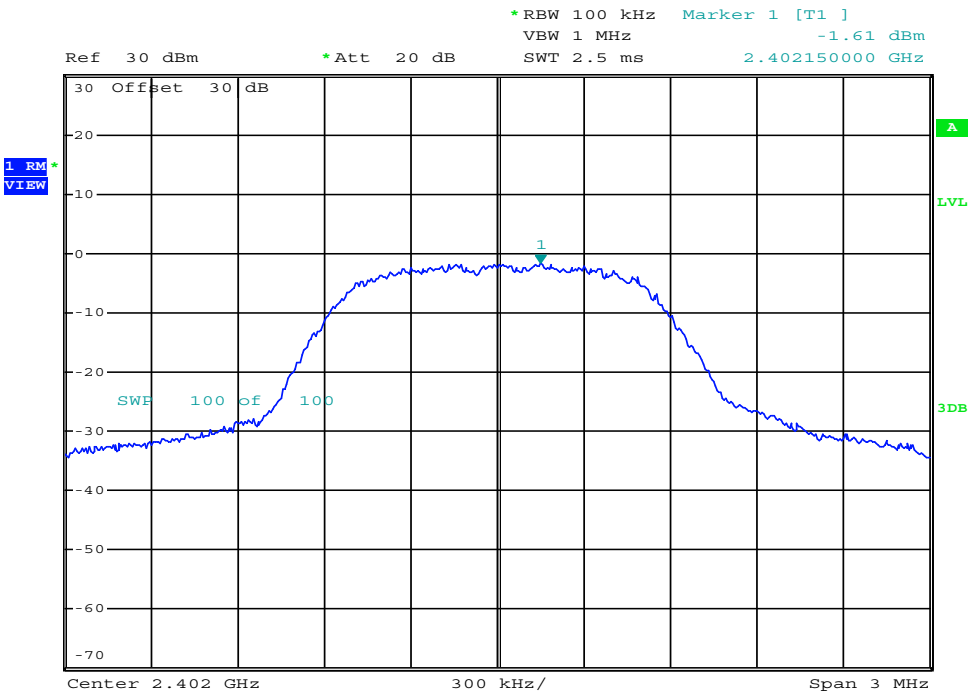
Measured PSD:
-4.82 dBm

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	-1.61	8	9.610
2442.00	Pi/4-DQPSK	2.0	-1.15	8	9.150
2480.00	Pi/4-DQPSK	2.0	-1.50	8	9.500
2402.00	8-DPSK	3.0	-1.75	8	9.750
2442.00	8-DPSK	3.0	-1.48	8	9.480
2480.00	8-DPSK	3.0	-1.66	8	9.660
Result:					Complies

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

Power Spectral Density



Date: 30.NOV.2020 16:23:30

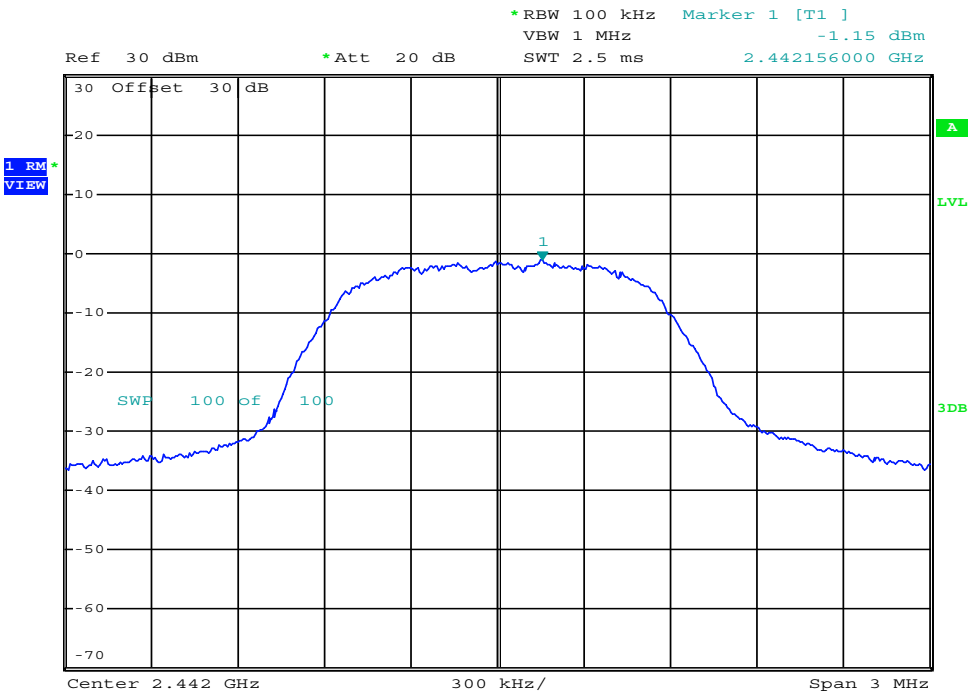
Channel Frequency:
2402.00 MHz

DUT Modulation:
Pi/4-DQPSK

Data Rate:
2 Mbps

Measured PSD:
-1.61 dBm

Power Spectral Density



Date: 30.NOV.2020 16:25:40

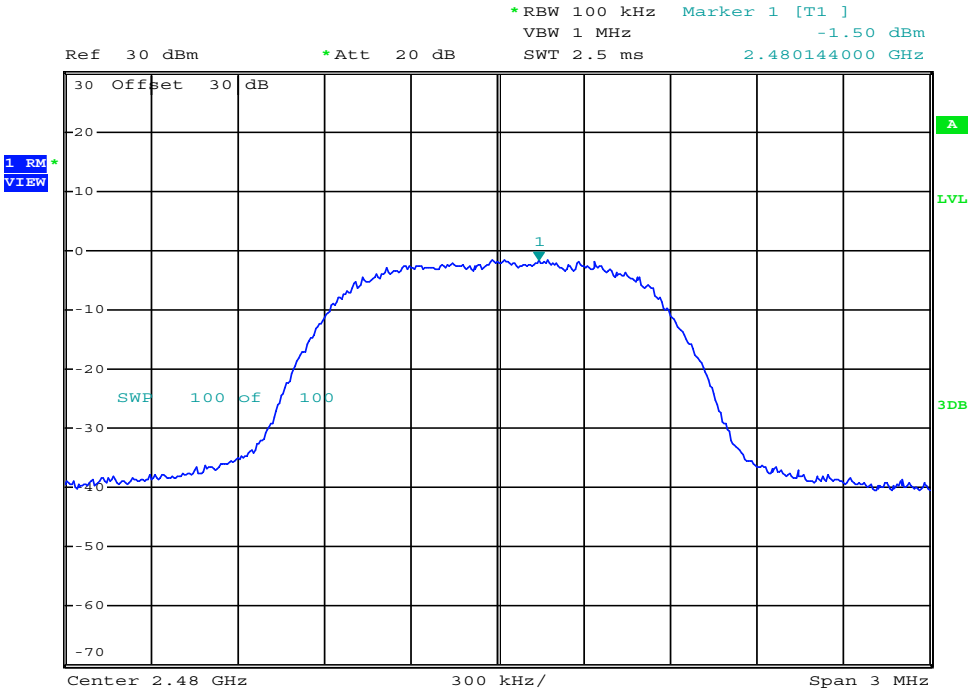
Channel Frequency:
2442.00 MHz

DUT Modulation:
Pi/4-DQPSK

Data Rate:
2 Mbps

Measured PSD:
-1.15 dBm

Power Spectral Density



Date: 30.NOV.2020 16:24:21

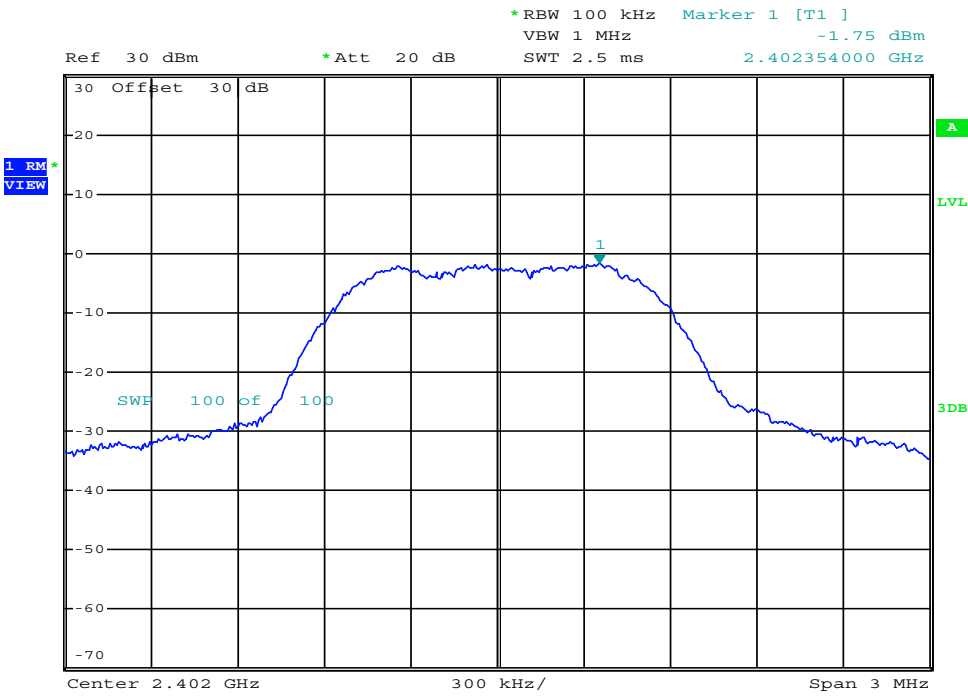
Channel Frequency:
2480.00 MHz

DUT Modulation:
Pi/4-DQPSK

Data Rate:
2 Mbps

Measured PSD:
-1.50 dBm

Power Spectral Density



Date: 30.NOV.2020 16:27:40

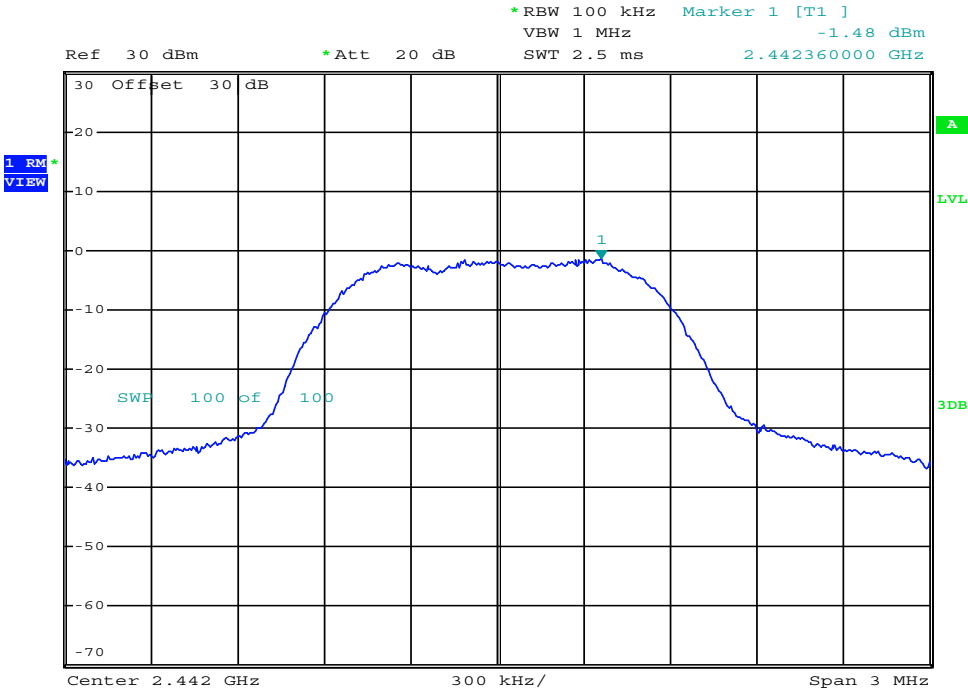
Channel Frequency:
2402.00 MHz

DUT Modulation:
8-DPSK

Data Rate:
3 Mbps

Measured PSD:
-1.75 dBm

Power Spectral Density



Date: 30.NOV.2020 16:26:45

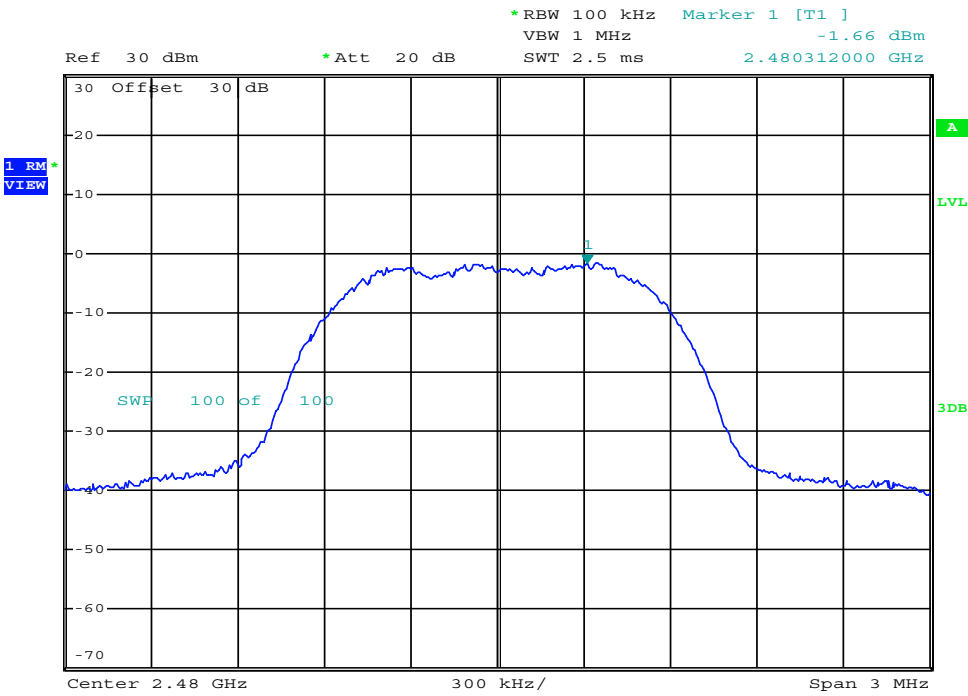
Channel Frequency:
2442.00 MHz

DUT Modulation:
8-DPSK

Data Rate:
3 Mbps

Measured PSD:
-1.48 dBm

Power Spectral Density



Date: 30.NOV.2020 16:28:25

Channel Frequency:
2480.00 MHz

DUT Modulation:
8-DPSK

Data Rate:
3 Mbps

Measured PSD:
-1.66 dBm