



Test Report Serial Number:

45461626 R1.0

Test Report Date:

4 December 2020

Project Number:

1510

Appendix E - Conducted Power Measurement Plots (DTS)

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Conducted Power Measurement Results - DTS

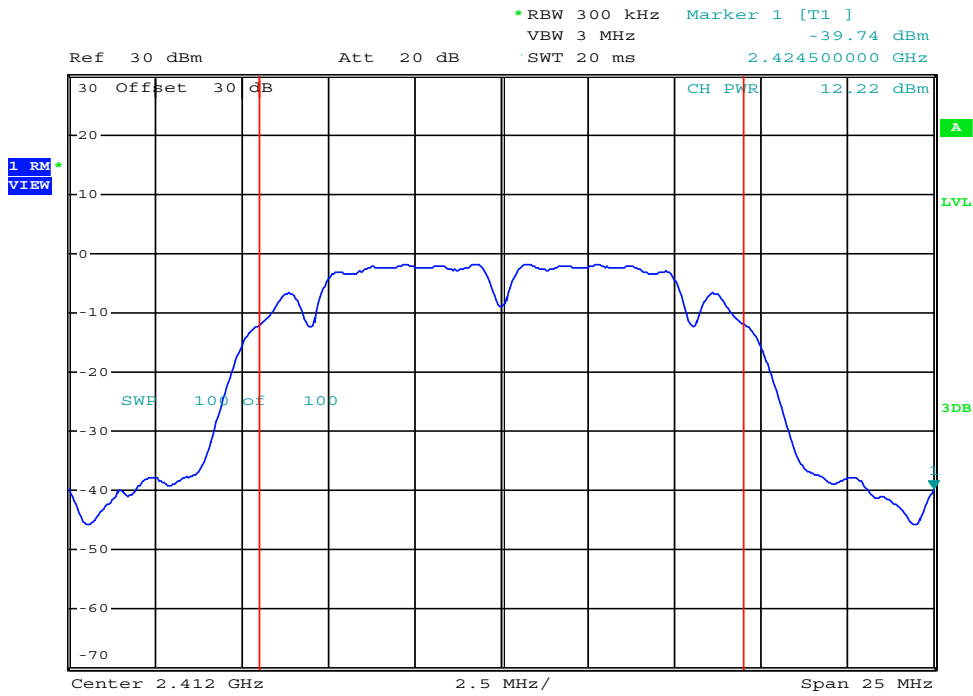
Frequency (MHz)	Modulation	Bit Rate (Mbps)	Measured Power [P _{Meas}] (dBm)	Conducted Limit [P _{Lim}] (dBm)	Conducted Margin (dB)	Antenna Gain* (dBi)	EIRP [E _{Meas}] (dBm)	EIRP Limit [E _{Lim}] (dBm)	EIRP Margin (dB)	Result
2412.00	CCK	1.0	12.22	30	17.780	0.6	12.82	36	23.180	Complies
2417.00	CCK	1.0	15.48	30	14.520	0.6	16.08	36	19.920	Complies
2437.00	CCK	1.0	14.54	30	15.460	0.6	15.14	36	20.860	Complies
2457.00	CCK	1.0	14.56	30	15.440	0.6	15.16	36	20.840	Complies
2462.00	CCK	1.0	13.05	30	16.950	0.6	13.65	36	22.350	Complies
2417.00	CCK	2.0	15.70	30	14.300	0.6	16.30	36	19.700	Complies
2437.00	CCK	2.0	14.79	30	15.210	0.6	15.39	36	20.610	Complies
2457.00	CCK	2.0	14.67	30	15.330	0.6	15.27	36	20.730	Complies
2417.00	DSSS	5.5	15.90	30	14.100	0.6	16.50	36	19.500	Complies
2437.00	DSSS	5.5	14.97	30	15.030	0.6	15.57	36	20.430	Complies
2457.00	DSSS	5.5	14.95	30	15.050	0.6	15.55	36	20.450	Complies
2417.00	DSSS	11.0	15.87	30	14.130	0.6	16.47	36	19.530	Complies
2437.00	DSSS	11.0	15.00	30	15.000	0.6	15.60	36	20.400	Complies
2457.00	DSSS	11.0	14.92	30	15.080	0.6	15.52	36	20.480	Complies
2417.00	OFDM	6.0	14.24	30	15.760	0.6	14.84	36	21.160	Complies
2417.00	OFDM	9.0	14.31	30	15.690	0.6	14.91	36	21.090	Complies
2417.00	OFDM	12.0	14.36	30	15.640	0.6	14.96	36	21.040	Complies
2417.00	OFDM	18.0	14.33	30	15.670	0.6	14.93	36	21.070	Complies
2417.00	OFDM	24.0	14.33	30	15.670	0.6	14.93	36	21.070	Complies
2417.00	OFDM	36.0	14.29	30	15.710	0.6	14.89	36	21.110	Complies
2417.00	OFDM	48.0	14.29	30	15.710	0.6	14.89	36	21.110	Complies
2417.00	OFDM	54.0	14.24	30	15.760	0.6	14.84	36	21.160	Complies
2417.00	MCS0	-	14.10	30	15.900	0.6	14.70	36	21.300	Complies
2417.00	MCS3	-	14.12	30	15.880	0.6	14.72	36	21.280	Complies
2417.00	MCS7	-	14.16	30	15.840	0.6	14.76	36	21.240	Complies

Conducted Margin = P_{Limit} - P_{Meas}

EIRP Margin = E_{Limit} - E_{Meas}

* Antenna Gain information provided by applicant.

Conducted Power



Date: 2.DEC.2020 11:19:59

Channel Frequency:

2412.00 MHz

DUT Modulation:

CCK

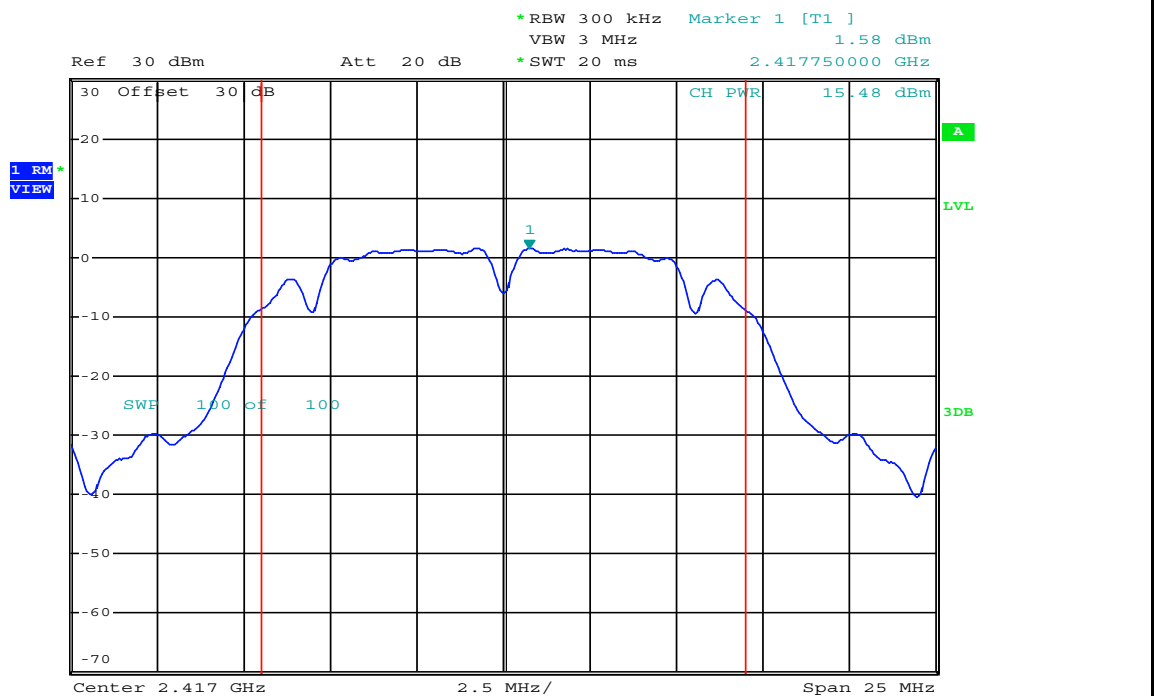
Data Rate:

1 Mbps

Measured Conducted Power:

12.22 dBm

Conducted Power



Date: 2.DEC.2020 11:22:00

Channel Frequency:
2417.00 MHz

2417.00 MHz

DUT Modulation:
CCK

CCK

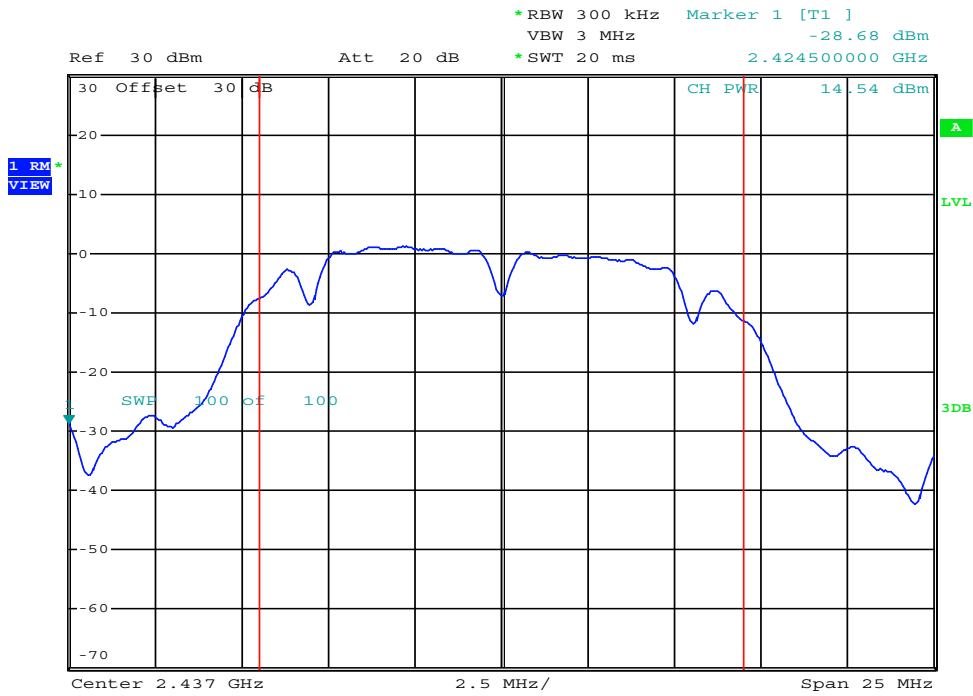
Data Rate:
1 Mbps

1 Mbps

Measured Conducted Power:
15.48 dBm

15.48 dBm

Conducted Power



Date: 2.DEC.2020 11:23:25

Channel Frequency:

2437.00 MHz

DUT Modulation:

CCK

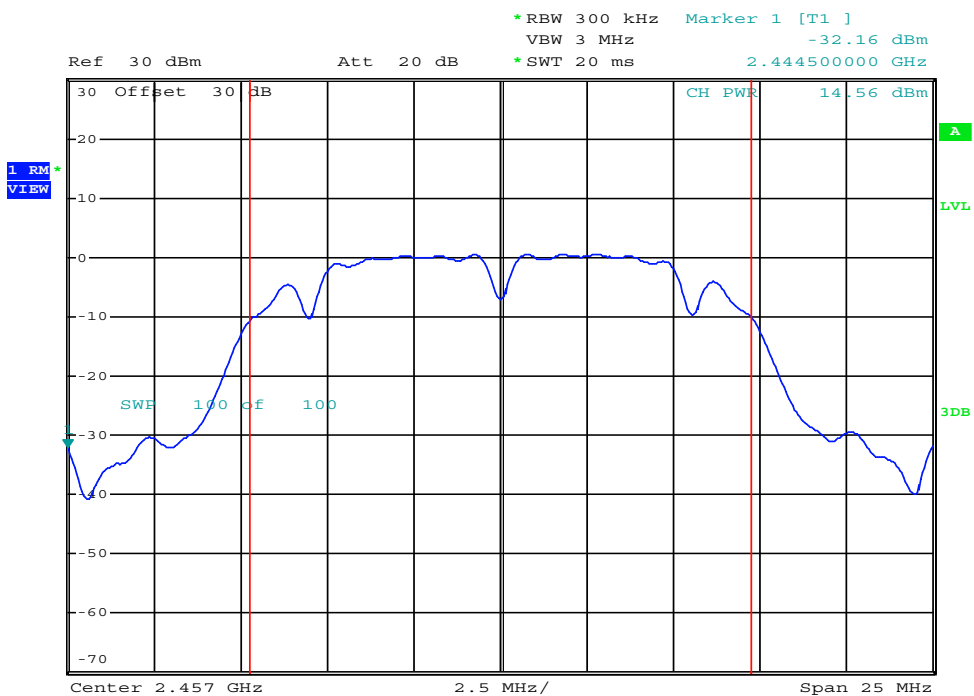
Data Rate:

1 Mbps

Measured Conducted Power:

14.54 dBm

Conducted Power



Date: 2.DEC.2020 11:24:39

Channel Frequency:

2457.00 MHz

DUT Modulation:

CCK

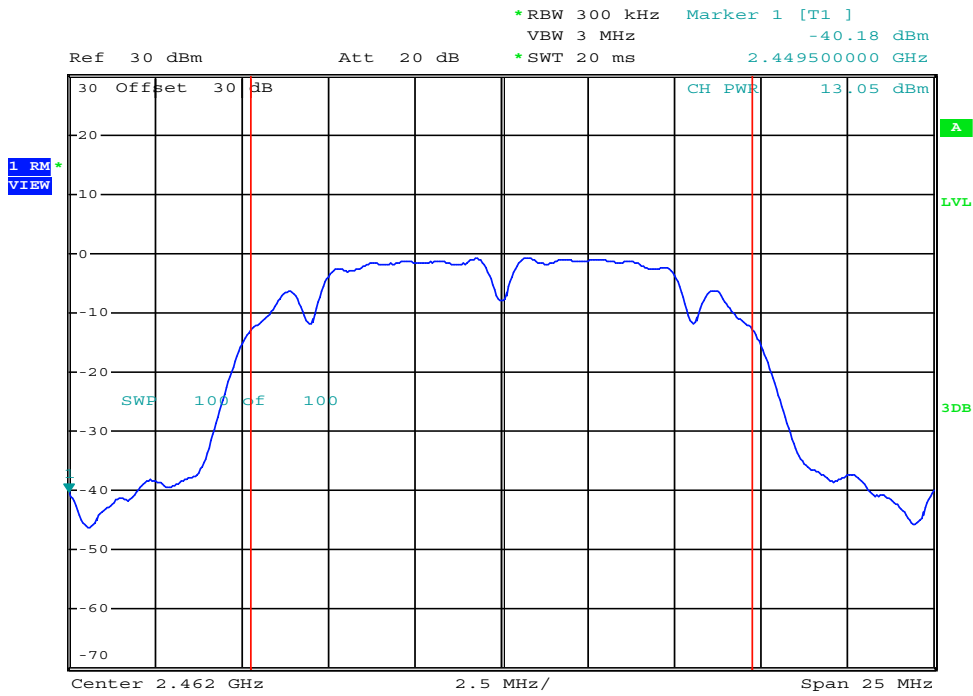
Data Rate:

1 Mbps

Measured Conducted Power:

14.56 dBm

Conducted Power



Date: 2.DEC.2020 11:25:26

Channel Frequency:

2462.00 MHz

DUT Modulation:

CCK

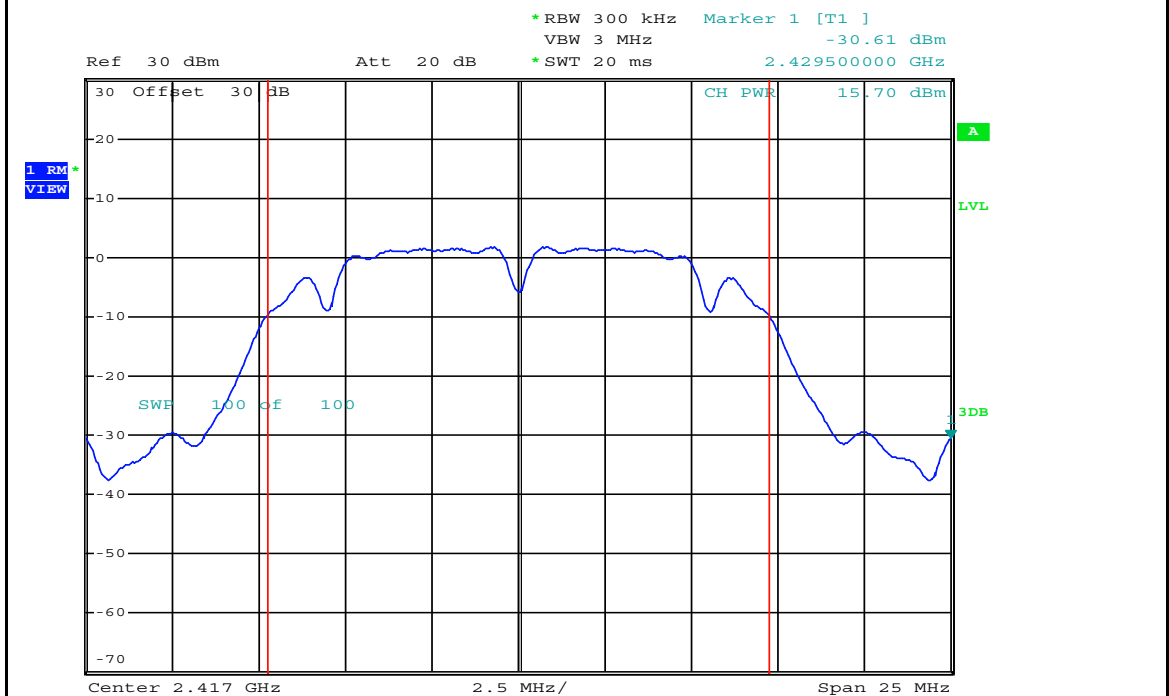
Data Rate:

1 Mbps

Measured Conducted Power:

13.05 dBm

Conducted Power



Date: 2.DEC.2020 11:29:45

Channel Frequency:
2417.00 MHz

Channel Frequency:
2417.00 MHz

DUT Modulation:
CCK

DUT Modulation:
CCK

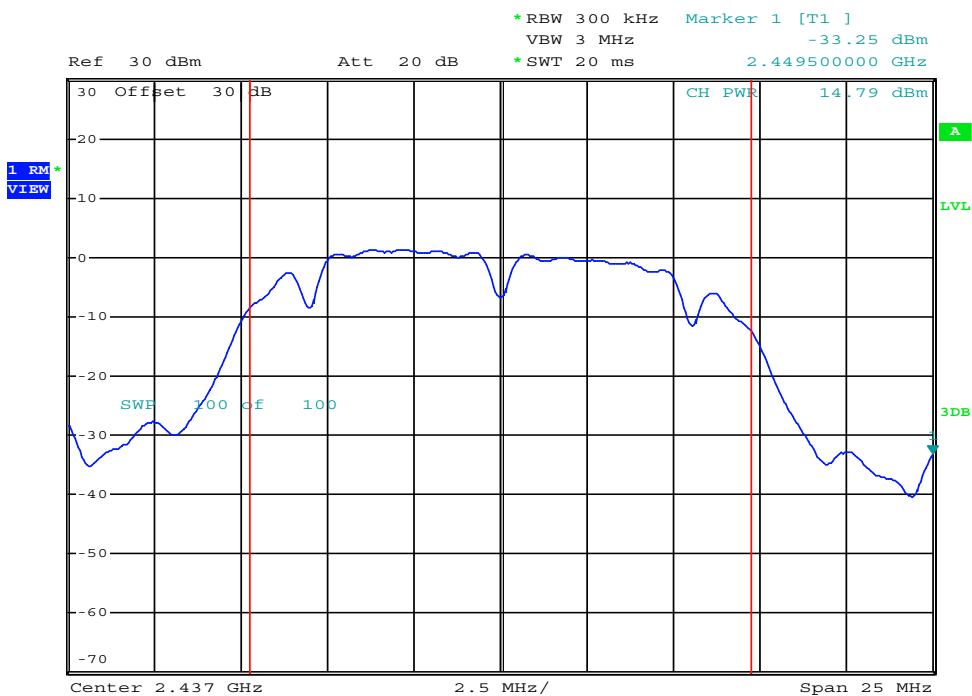
Data Rate:
2 Mbps

Data Rate:
2 Mbps

Measured Conducted Power:
15.70 dBm

Measured Conducted Power:
15.70 dBm

Conducted Power



Date: 2.DEC.2020 11:28:46

Channel Frequency:

2437.00 MHz

DUT Modulation:

CCK

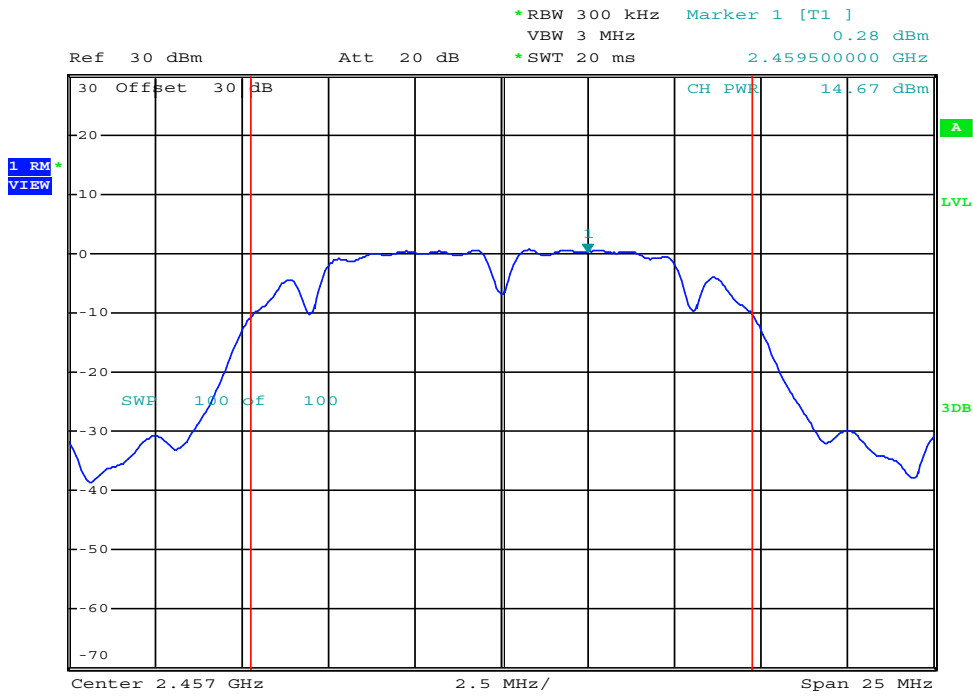
Data Rate:

2 Mbps

Measured Conducted Power:

14.79 dBm

Conducted Power



Date: 2.DEC.2020 11:28:08

Channel Frequency:

2457.00 MHz

DUT Modulation:

CCK

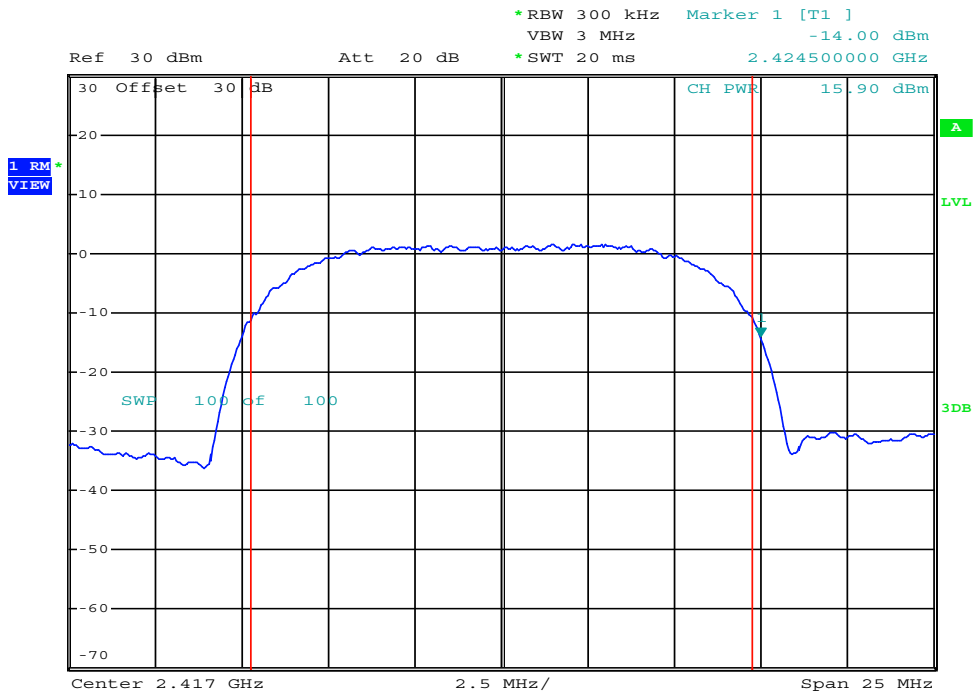
Data Rate:

2 Mbps

Measured Conducted Power:

14.67 dBm

Conducted Power



Date: 2.DEC.2020 11:32:18

Channel Frequency:

2417.00 MHz

DUT Modulation:

DSSS

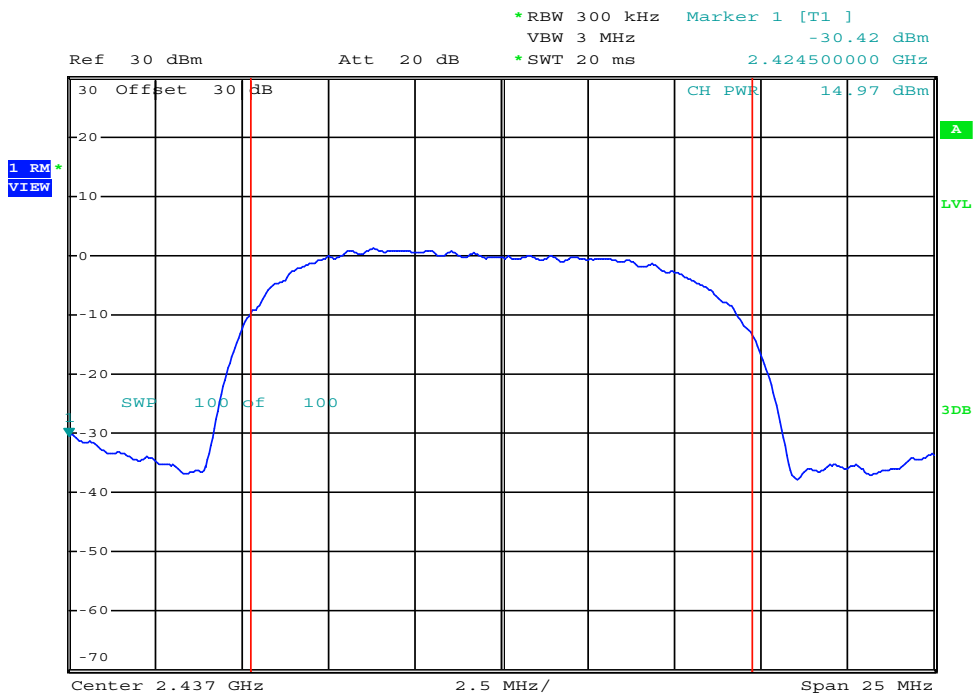
Data Rate:

5.5 Mbps

Measured Conducted Power:

15.90 dBm

Conducted Power



Date: 2.DEC.2020 11:33:04

Channel Frequency:

2437.00 MHz

DUT Modulation:

DSSS

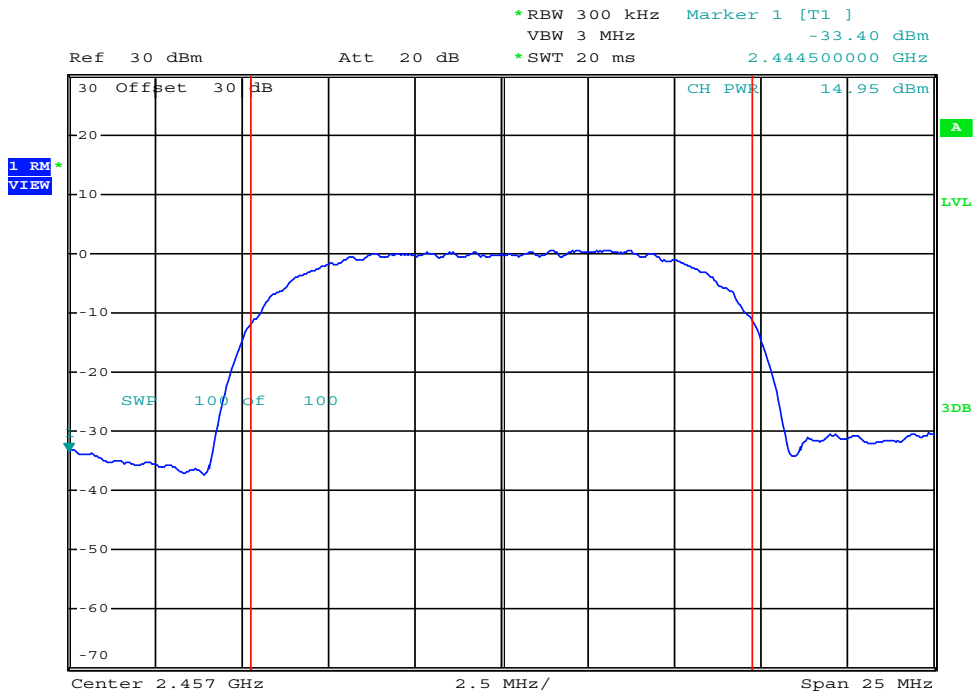
Data Rate:

5.5 Mbps

Measured Conducted Power:

14.97 dBm

Conducted Power



Date: 2.DEC.2020 11:33:46

Channel Frequency:

2457.00 MHz

DUT Modulation:

DSSS

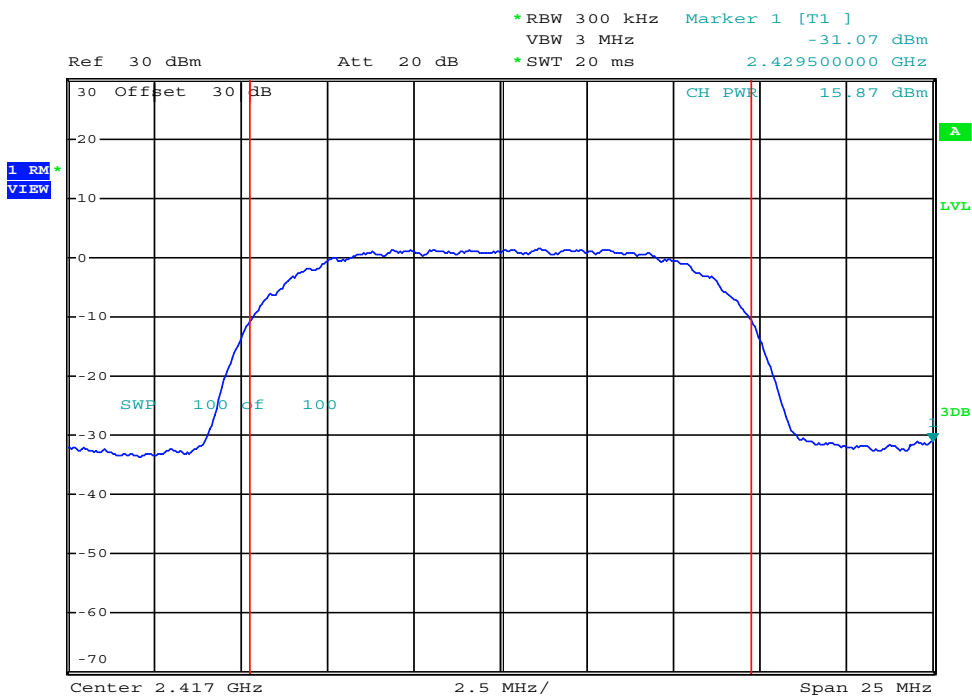
Data Rate:

5.5 Mbps

Measured Conducted Power:

14.95 dBm

Conducted Power



Date: 2.DEC.2020 11:41:13

Channel Frequency:

2417.00 MHz

DUT Modulation:

DSSS

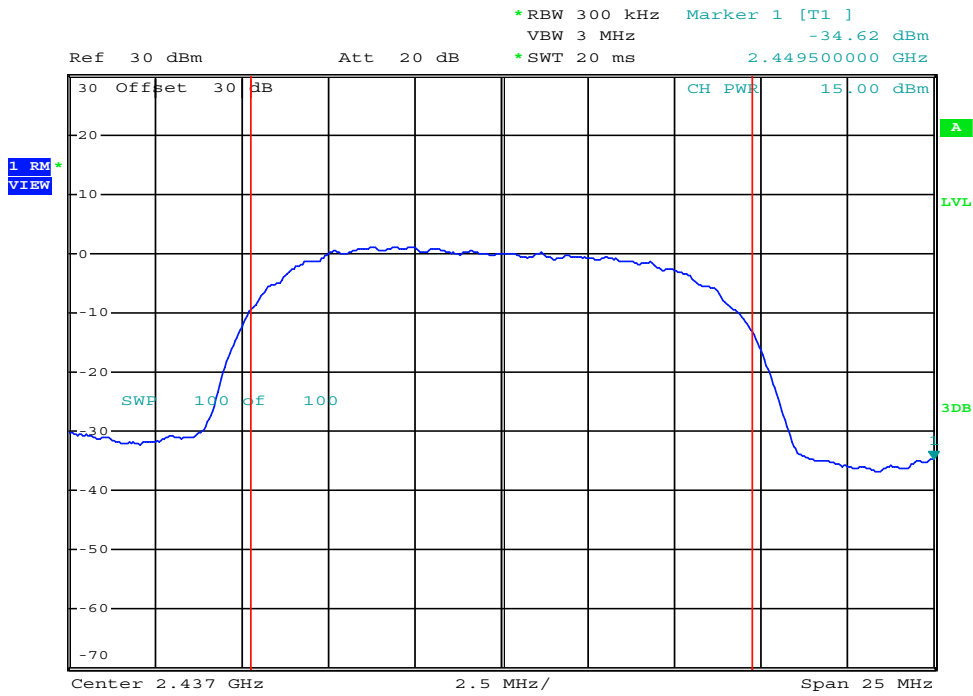
Data Rate:

11 Mbps

Measured Conducted Power:

15.87 dBm

Conducted Power



Date: 2.DEC.2020 11:39:54

Channel Frequency:

2437.00 MHz

DUT Modulation:

DSSS

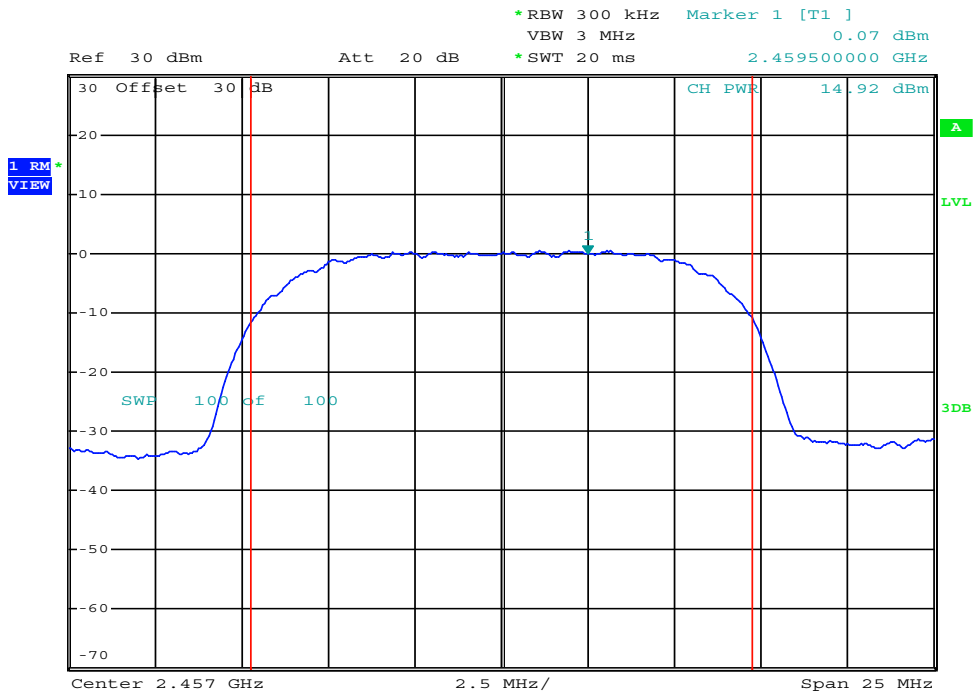
Data Rate:

11 Mbps

Measured Conducted Power:

15.00 dBm

Conducted Power



Date: 2.DEC.2020 11:38:03

Channel Frequency:

2457.00 MHz

DUT Modulation:

DSSS

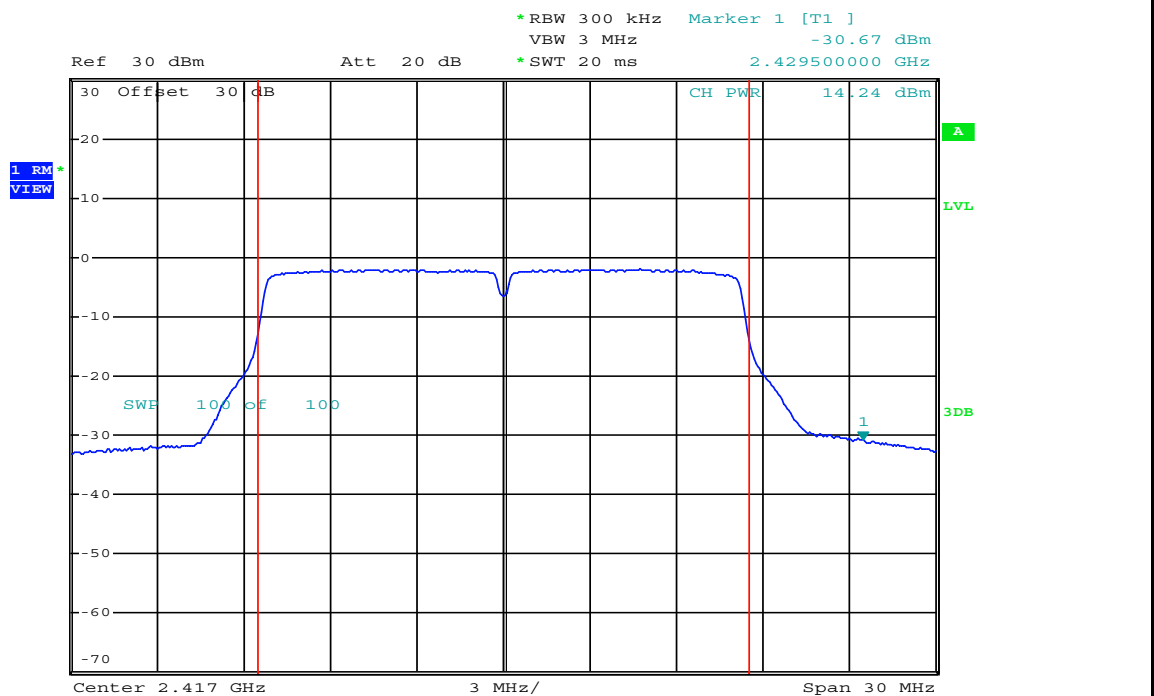
Data Rate:

11 Mbps

Measured Conducted Power:

14.92 dBm

Conducted Power



Date: 2.DEC.2020 11:45:47

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

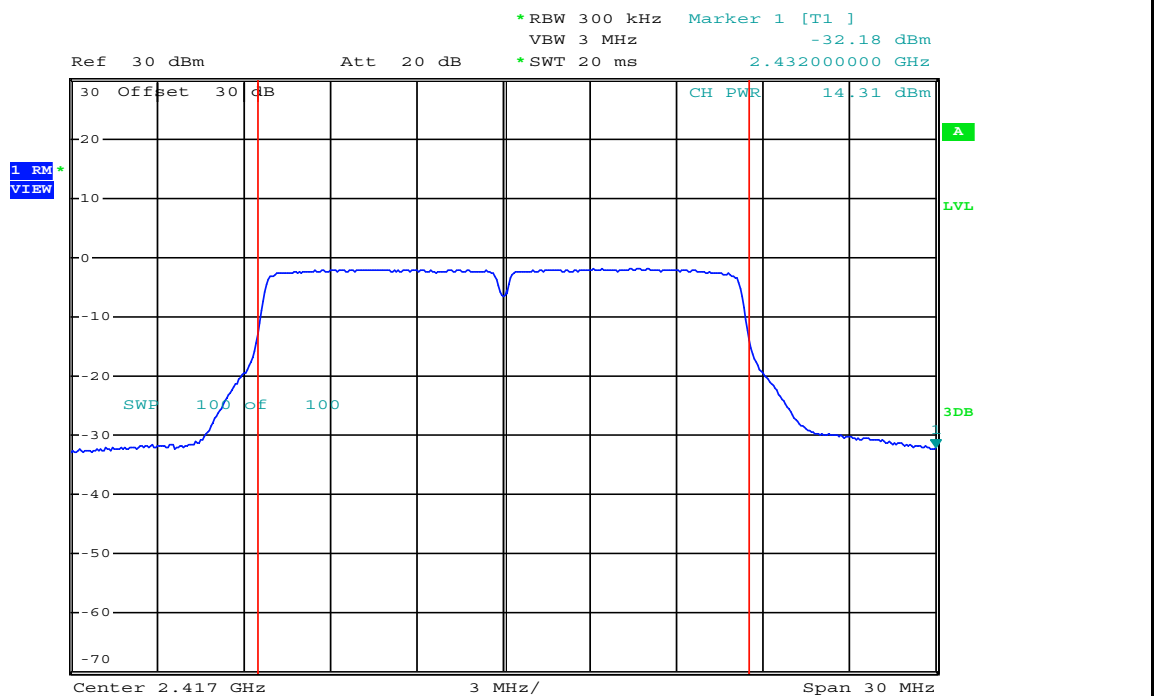
Data Rate:

6 Mbps

Measured Conducted Power:

14.24 dBm

Conducted Power



Date: 2.DEC.2020 12:12:37

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

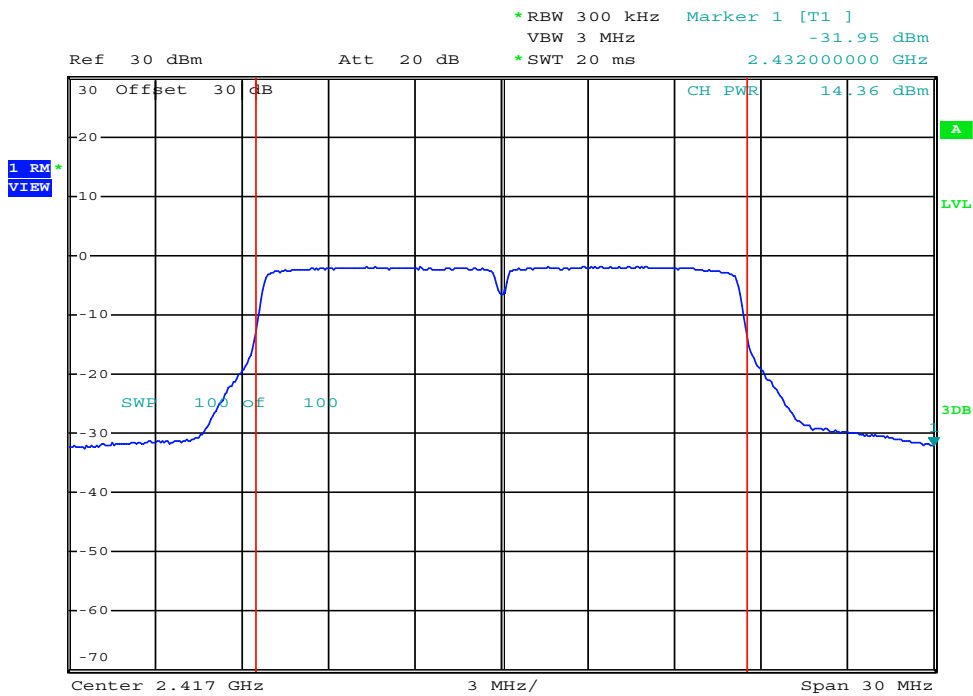
Data Rate:

9 Mbps

Measured Conducted Power:

14.31 dBm

Conducted Power



Date: 2.DEC.2020 12:14:56

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

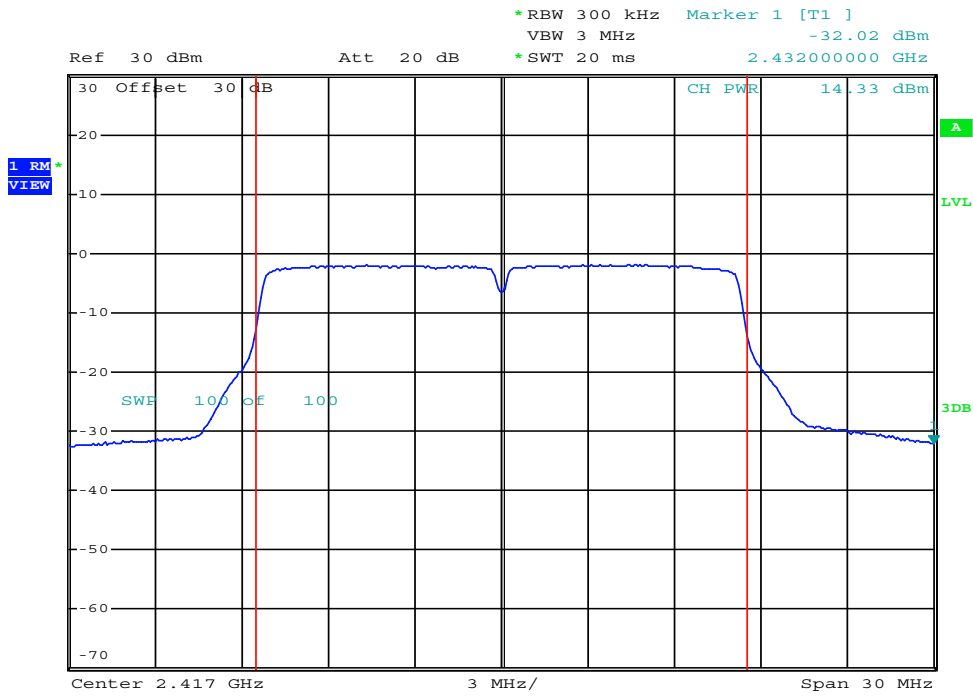
Data Rate:

12 Mbps

Measured Conducted Power:

14.36 dBm

Conducted Power



Date: 2.DEC.2020 12:16:01

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

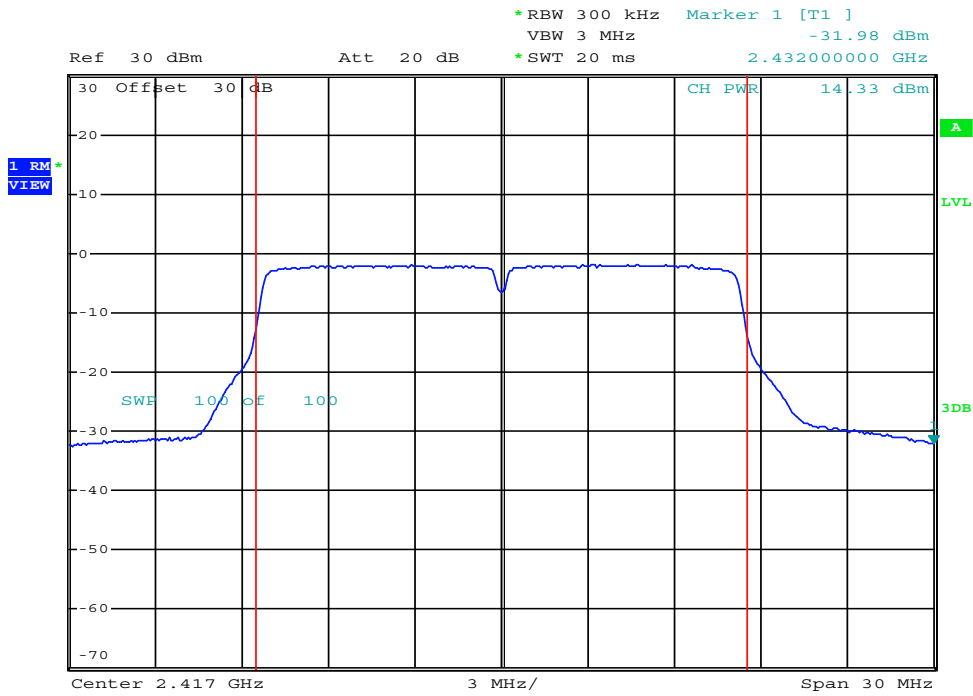
Data Rate:

18 Mbps

Measured Conducted Power:

14.33 dBm

Conducted Power



Date: 2.DEC.2020 12:17:46

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

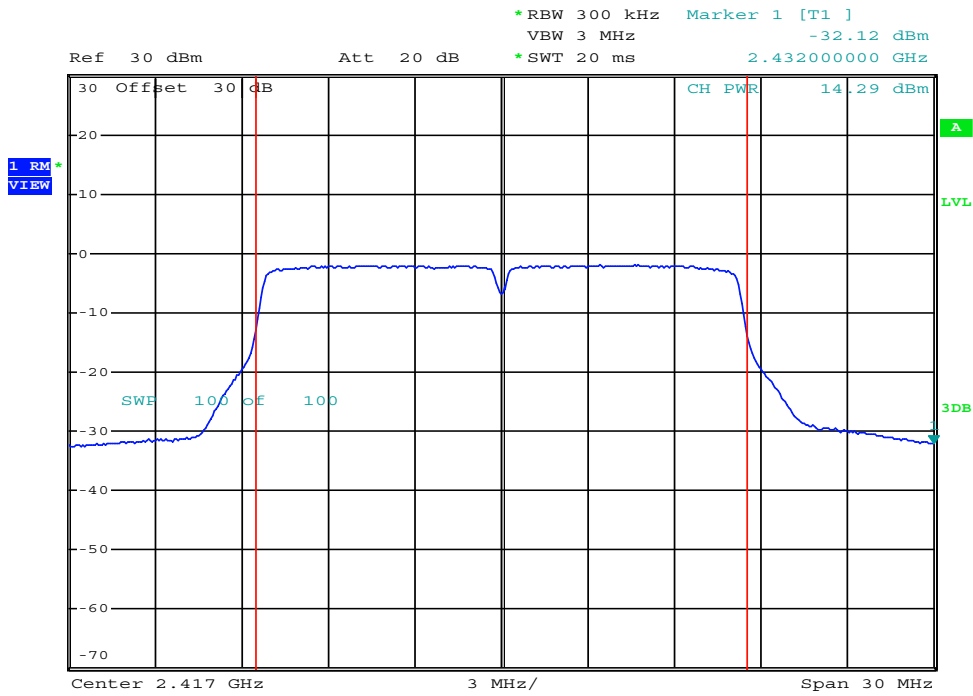
Data Rate:

24 Mbps

Measured Conducted Power:

14.33 dBm

Conducted Power



Date: 2.DEC.2020 12:18:26

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

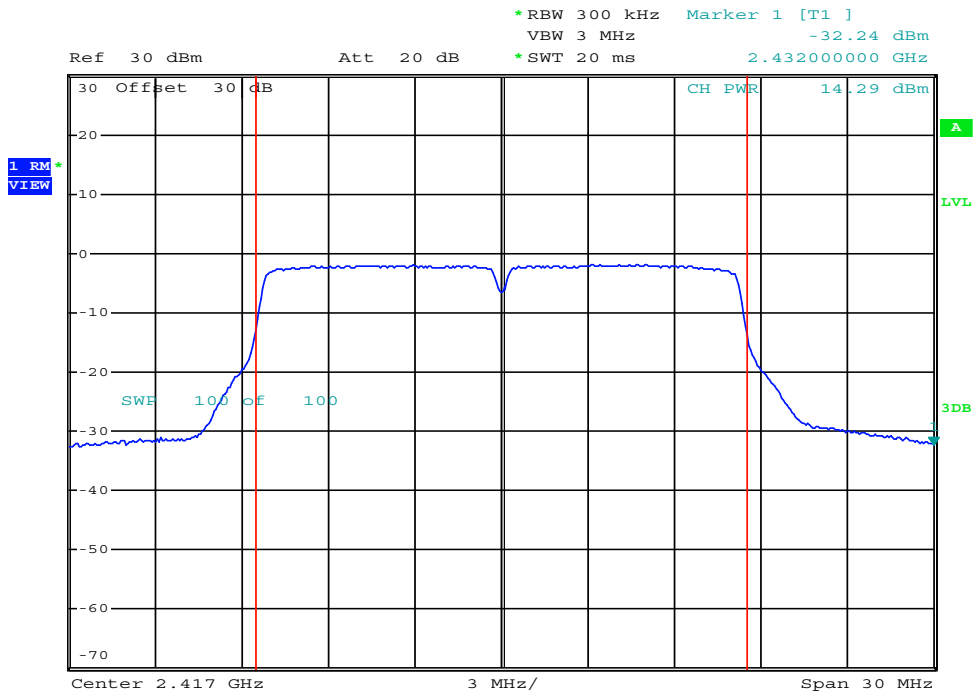
Data Rate:

36 Mbps

Measured Conducted Power:

14.29 dBm

Conducted Power



Date: 2.DEC.2020 12:19:02

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

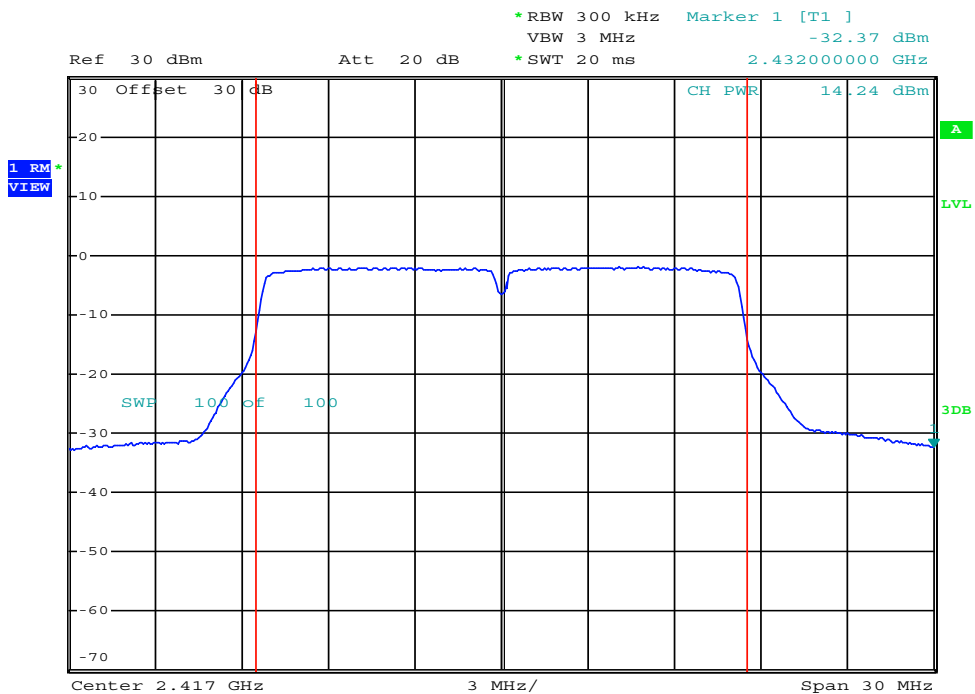
Data Rate:

48 Mbps

Measured Conducted Power:

14.29 dBm

Conducted Power



Date: 2.DEC.2020 12:19:39

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

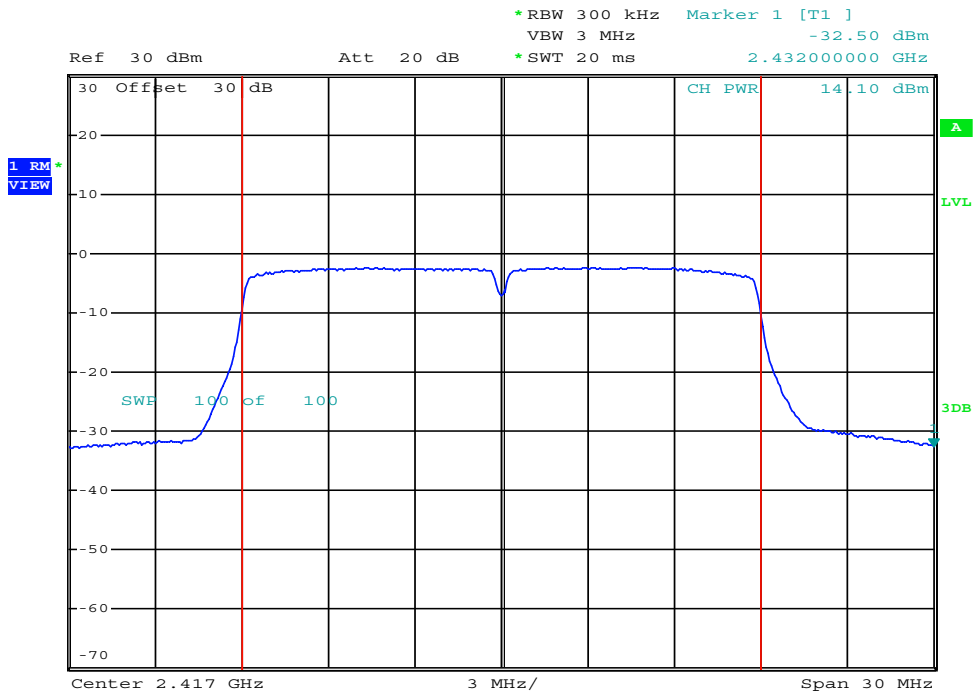
Data Rate:

54 Mbps

Measured Conducted Power:

14.24 dBm

Conducted Power



Date: 2.DEC.2020 12:45:46

Channel Frequency:

2417.00 MHz

DUT Modulation:

MCS0

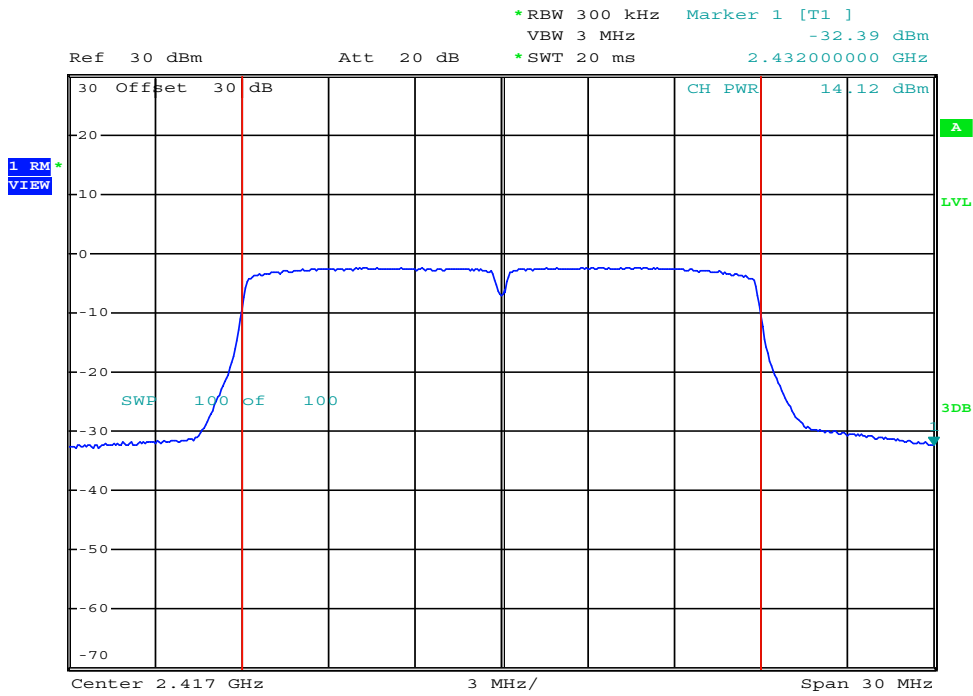
Data Rate:

- Mbps

Measured Conducted Power:

14.10 dBm

Conducted Power



Date: 2.DEC.2020 12:46:24

Channel Frequency:

2417.00 MHz

DUT Modulation:

MCS3

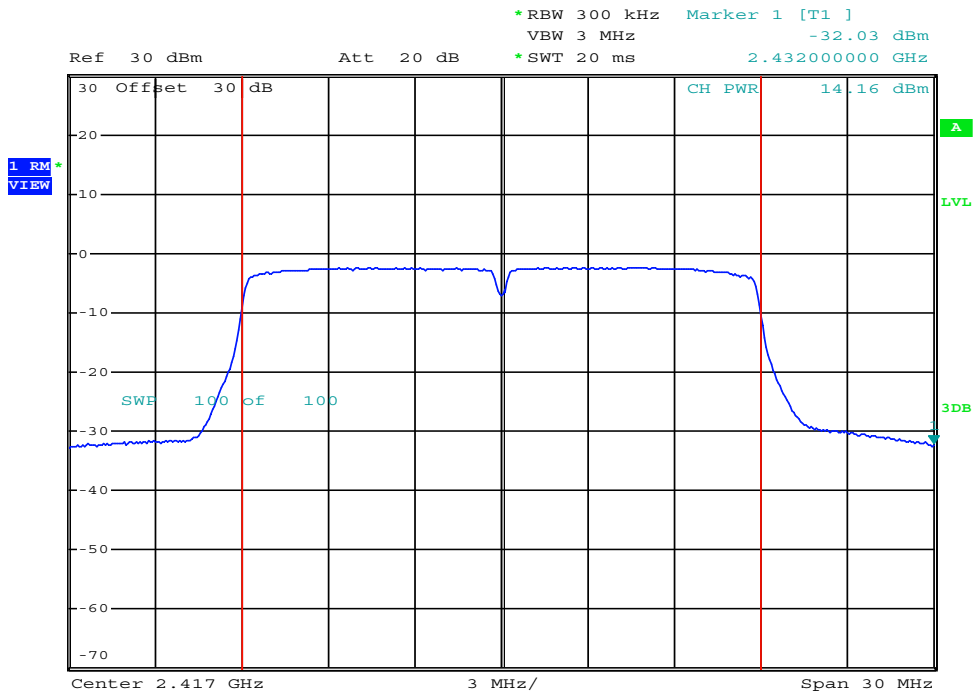
Data Rate:

- Mbps

Measured Conducted Power:

14.12 dBm

Conducted Power



Date: 2.DEC.2020 12:47:04

Channel Frequency:

2417.00 MHz

DUT Modulation:

MCS7

Data Rate:

- Mbps

Measured Conducted Power:

14.16 dBm