



Test Report Serial Number:

45461624 R1.0

Test Report Date:

4 December 2020

Project Number:

1511

Appendix E - Conducted Power Measurement Plots (DTS)

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Conducted Power Measurement Results - DTS

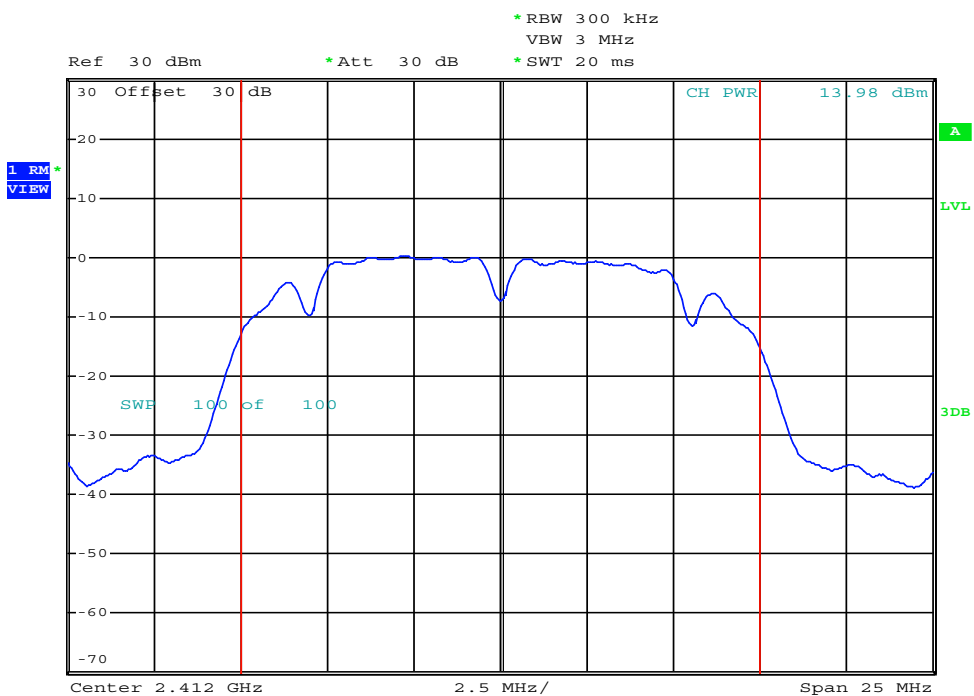
Frequency (MHz)	Modulation	Bit Rate (Mbps)	Measured Power [P _{Meas}] (dBm)	Conducted Limit [P _{Lim}] (dBm)	Conducted Margin (dB)	Antenna Gain* (dBi)	EIRP [E _{Meas}] (dBm)	EIRP Limit [E _{Lim}] (dBm)	EIRP Margin (dB)	Result
2412.00	CCK	1.0	13.98	30	16.020	0.6	14.58	36	21.420	Complies
2417.00	CCK	1.0	16.64	30	13.360	0.6	17.24	36	18.760	Complies
2437.00	CCK	1.0	16.41	30	13.590	0.6	17.01	36	18.990	Complies
2457.00	CCK	1.0	16.03	30	13.970	0.6	16.63	36	19.370	Complies
2462.00	CCK	1.0	13.57	30	16.430	0.6	14.17	36	21.830	Complies
2417.00	CCK	2.0	16.78	30	13.220	0.6	17.38	36	18.620	Complies
2437.00	CCK	2.0	16.53	30	13.470	0.6	17.13	36	18.870	Complies
2457.00	CCK	2.0	16.20	30	13.800	0.6	16.80	36	19.200	Complies
2417.00	DSSS	5.5	17.05	30	12.950	0.6	17.65	36	18.350	Complies
2437.00	DSSS	5.5	16.86	30	13.140	0.6	17.46	36	18.540	Complies
2457.00	DSSS	5.5	16.45	30	13.550	0.6	17.05	36	18.950	Complies
2417.00	DSSS	11.0	17.12	30	12.880	0.6	17.72	36	18.280	Complies
2437.00	DSSS	11.0	16.91	30	13.090	0.6	17.51	36	18.490	Complies
2457.00	DSSS	11.0	16.60	30	13.400	0.6	17.20	36	18.800	Complies
2417.00	OFDM	6.0	15.19	30	14.810	0.6	15.79	36	20.210	Complies
2437.00	OFDM	6.0	15.06	30	14.940	0.6	15.66	36	20.340	Complies
2457.00	OFDM	6.0	14.70	30	15.300	0.6	15.30	36	20.700	Complies
2417.00	OFDM	12.0	15.27	30	14.730	0.6	15.87	36	20.130	Complies
2417.00	OFDM	18.0	15.25	30	14.750	0.6	15.85	36	20.150	Complies
2417.00	OFDM	24.0	15.29	30	14.710	0.6	15.89	36	20.110	Complies
2417.00	OFDM	36.0	15.27	30	14.730	0.6	15.87	36	20.130	Complies
2417.00	OFDM	48.0	15.31	30	14.690	0.6	15.91	36	20.090	Complies
2417.00	OFDM	54.0	15.31	30	14.690	0.6	15.91	36	20.090	Complies
2417.00	MCS0	-	15.34	30	14.660	0.6	15.94	36	20.060	Complies
2417.00	MCS3	-	15.30	30	14.700	0.6	15.90	36	20.100	Complies
2417.00	MCS7	-	15.28	30	14.720	0.6	15.88	36	20.120	Complies

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

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

* Antenna Gain information provided by applicant.

Conducted Power



Date: 19.NOV.2020 14:30:21

Channel Frequency:

2412.00 MHz

DUT Modulation:

CCK

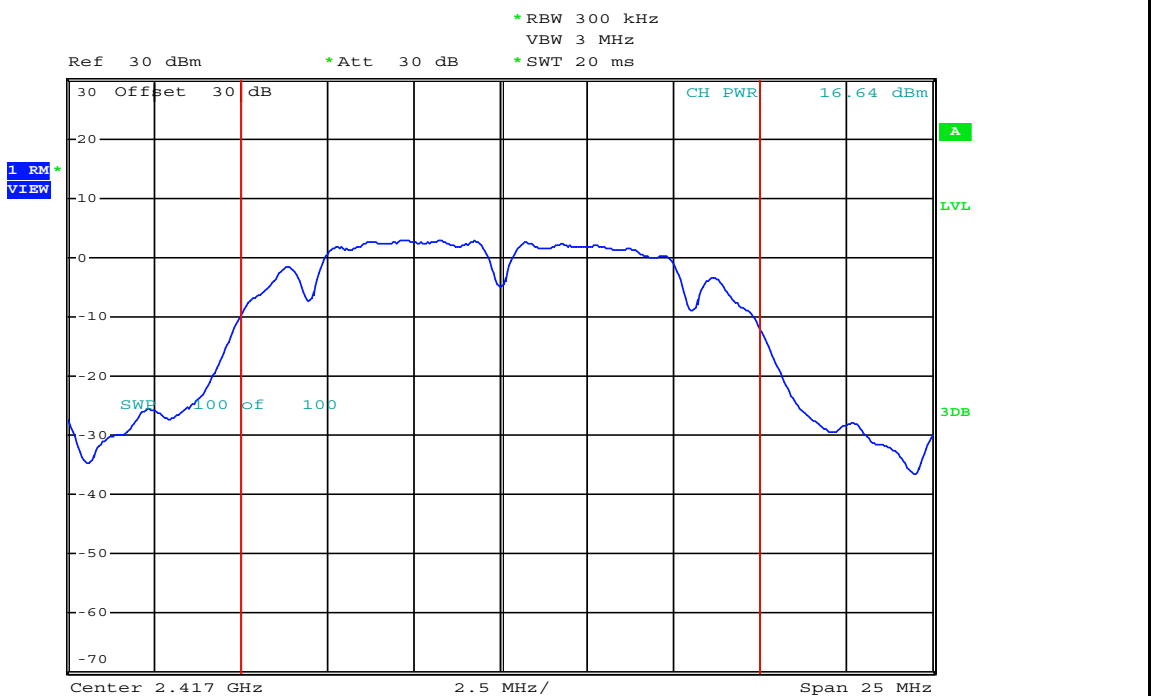
Data Rate:

1 Mbps

Measured Conducted Power:

13.98 dBm

Conducted Power



Date: 19.NOV.2020 14:31:07

Channel Frequency:
2417.00 MHz

Channel Frequency:
2417.00 MHz

DUT Modulation:
CCK

DUT Modulation:
CCK

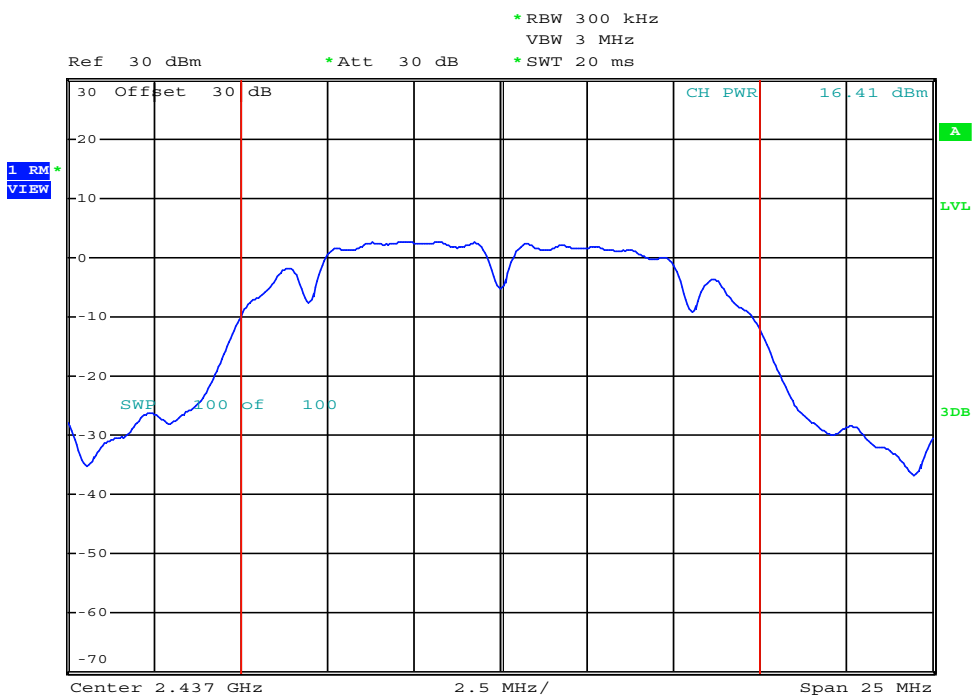
Data Rate:
1 Mbps

Data Rate:
1 Mbps

Measured Conducted Power:
16.64 dBm

Measured Conducted Power:
16.64 dBm

Conducted Power



Date: 19.NOV.2020 14:31:52

Channel Frequency:

2437.00 MHz

DUT Modulation:

CCK

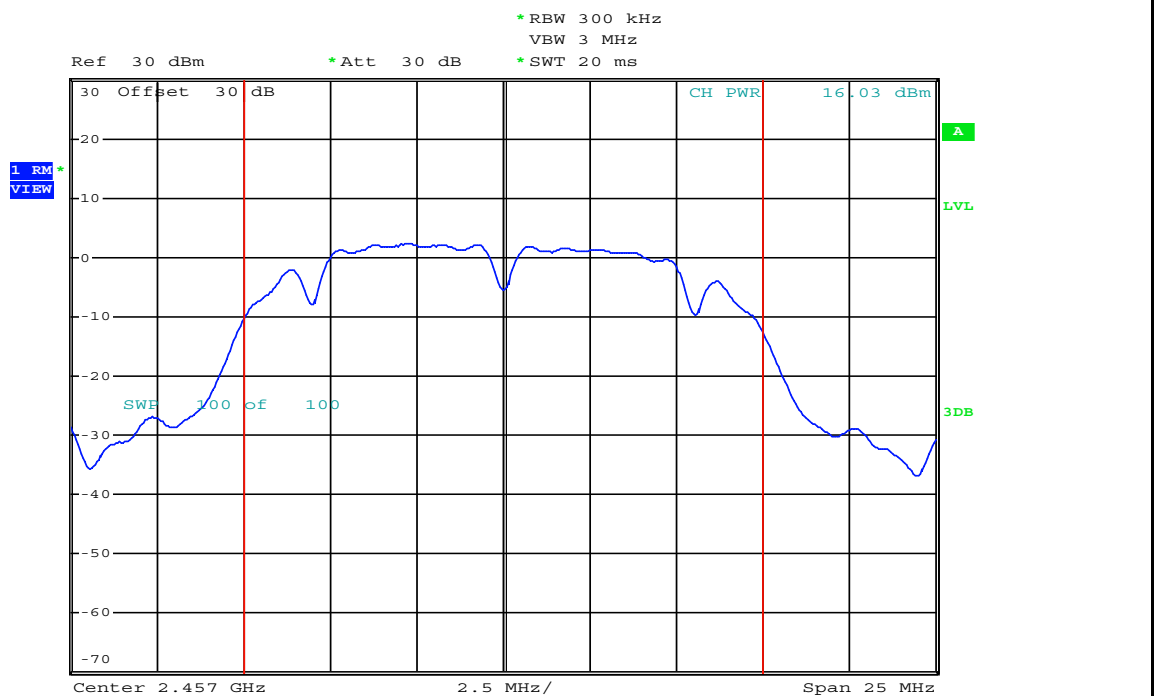
Data Rate:

1 Mbps

Measured Conducted Power:

16.41 dBm

Conducted Power



Date: 19.NOV.2020 14:32:43

Channel Frequency:
2457.00 MHz

2457.00 MHz

DUT Modulation:
CCK

CCK

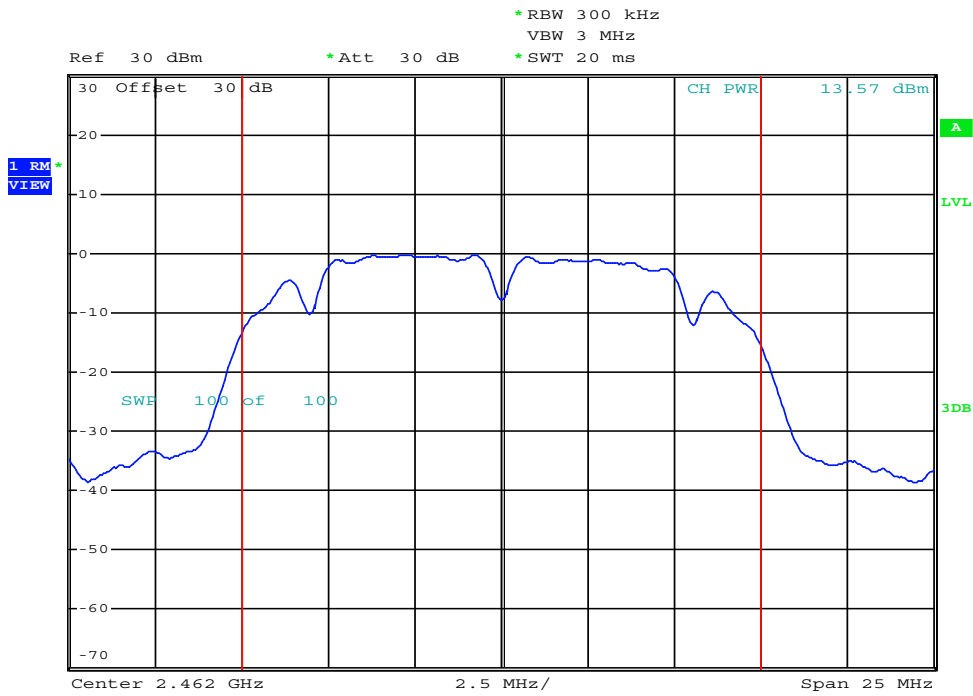
Data Rate:
1 Mbps

1 Mbps

Measured Conducted Power:	16.03 dBm
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16.03 dBm

Conducted Power



Date: 19.NOV.2020 14:33:23

Channel Frequency:

2462.00 MHz

DUT Modulation:

CCK

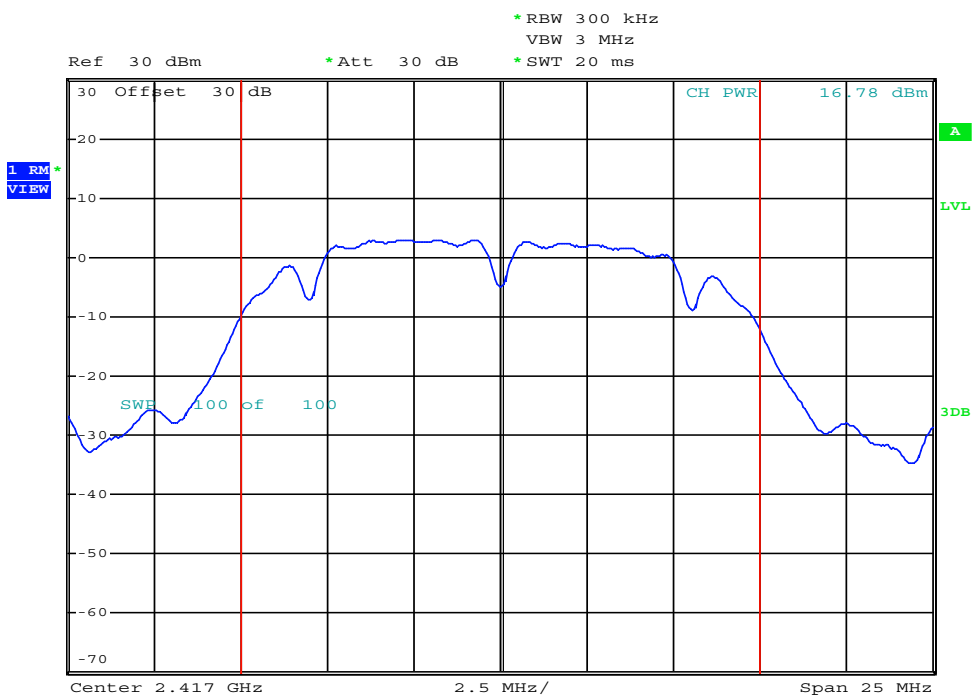
Data Rate:

1 Mbps

Measured Conducted Power:

13.57 dBm

Conducted Power



Date: 19.NOV.2020 14:37:52

Channel Frequency:

2417.00 MHz

DUT Modulation:

CCK

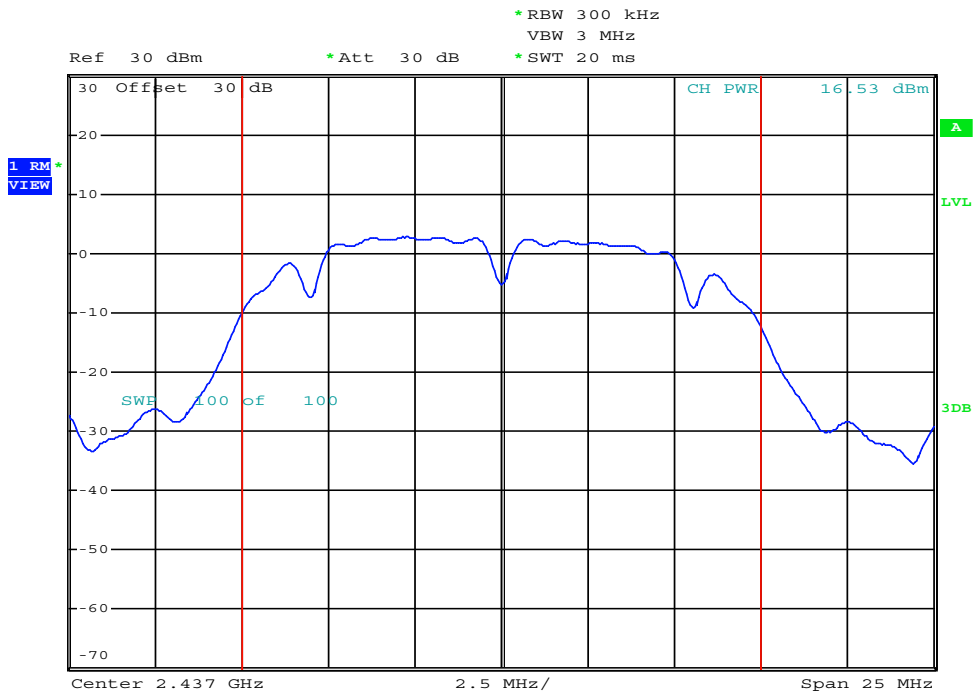
Data Rate:

2 Mbps

Measured Conducted Power:

16.78 dBm

Conducted Power



Date: 19.NOV.2020 14:37:06

Channel Frequency:

2437.00 MHz

DUT Modulation:

CCK

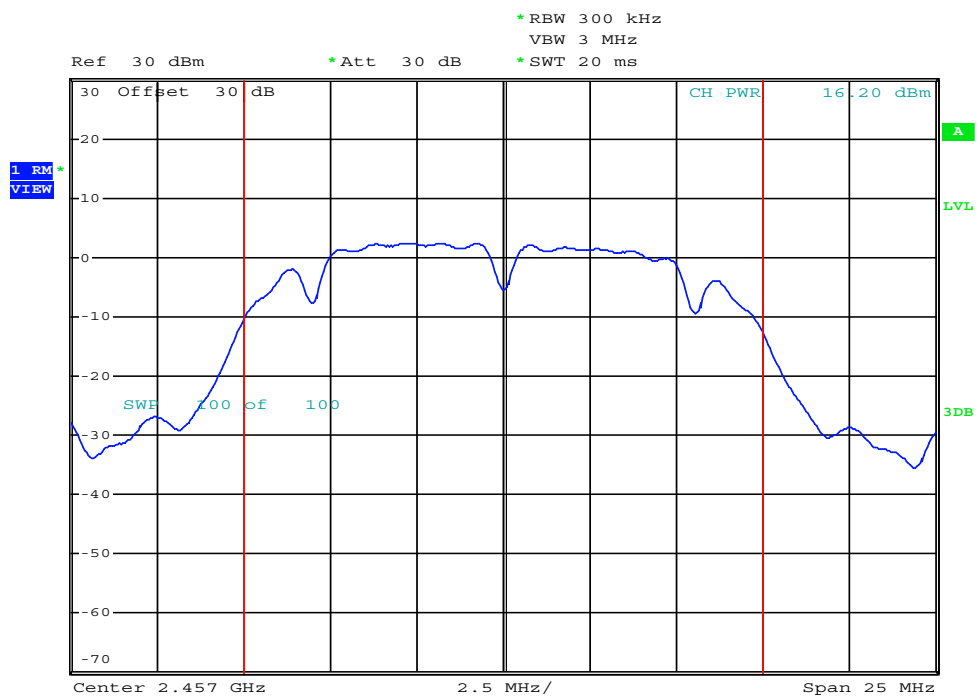
Data Rate:

2 Mbps

Measured Conducted Power:

16.53 dBm

Conducted Power



Date: 19.NOV.2020 14:36:26

Channel Frequency:

2457.00 MHz

DUT Modulation:

CCK

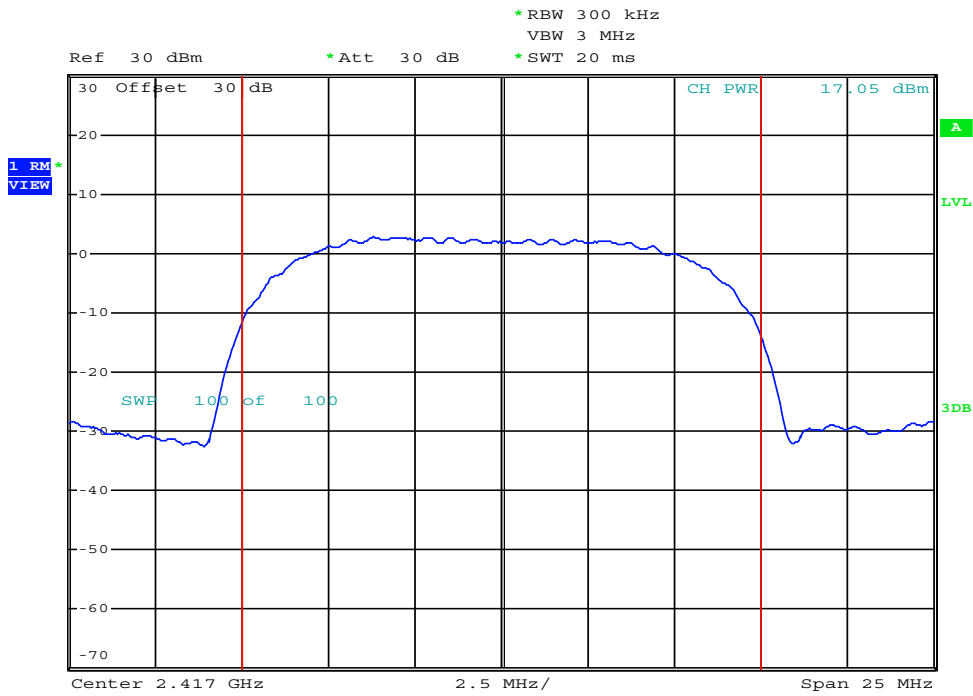
Data Rate:

2 Mbps

Measured Conducted Power:

16.20 dBm

Conducted Power



Date: 19.NOV.2020 14:42:54

Channel Frequency:

2417.00 MHz

DUT Modulation:

DSSS

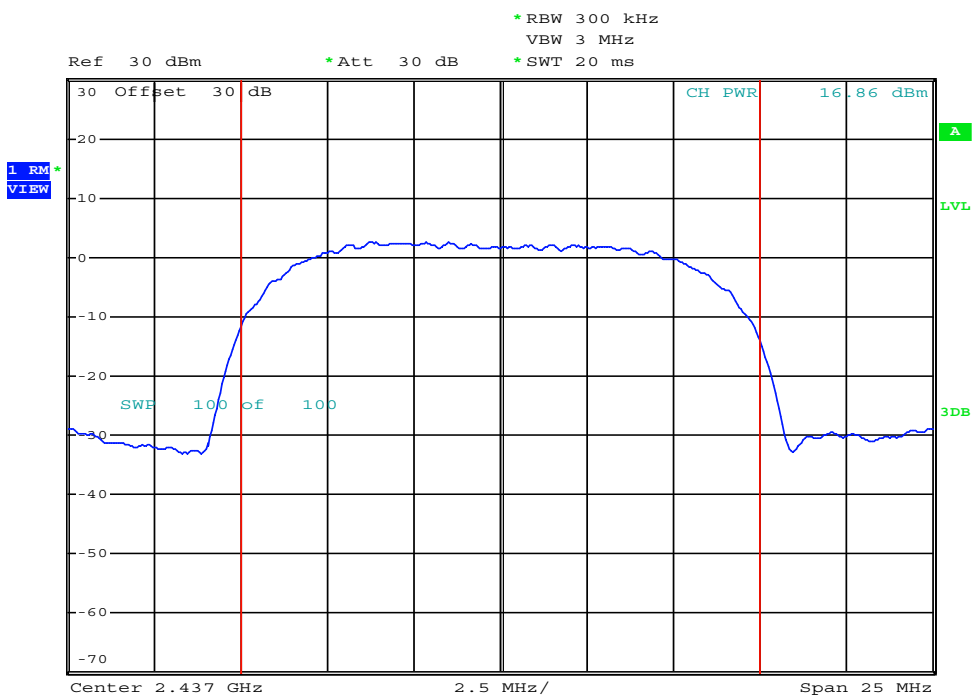
Data Rate:

5.5 Mbps

Measured Conducted Power:

17.05 dBm

Conducted Power



Date: 19.NOV.2020 14:43:43

Channel Frequency:

2437.00 MHz

DUT Modulation:

DSSS

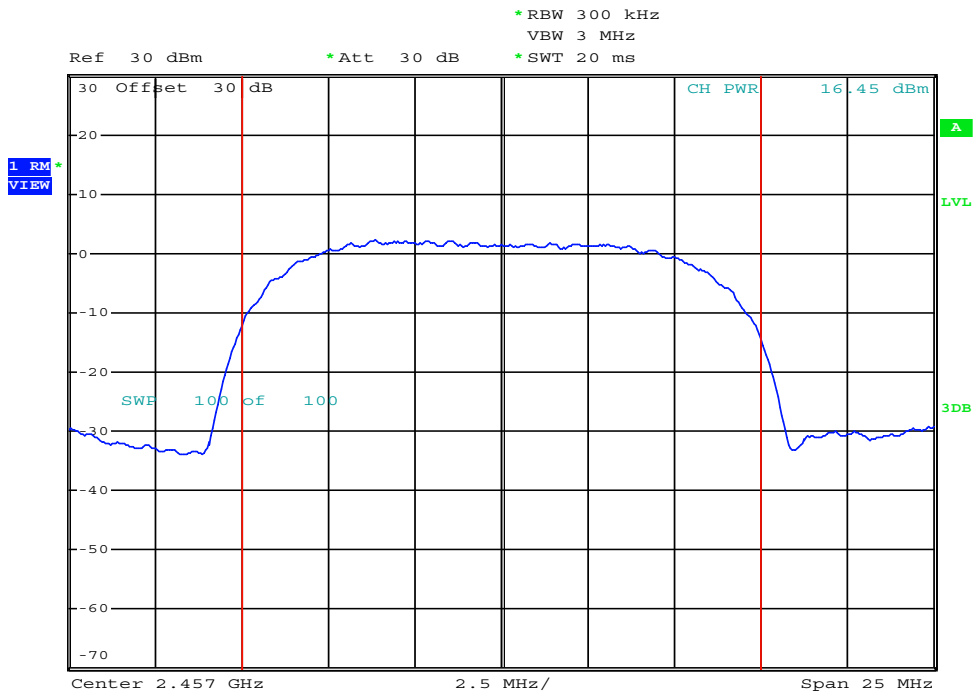
Data Rate:

5.5 Mbps

Measured Conducted Power:

16.86 dBm

Conducted Power



Date: 19.NOV.2020 14:44:37

Channel Frequency:

2457.00 MHz

DUT Modulation:

DSSS

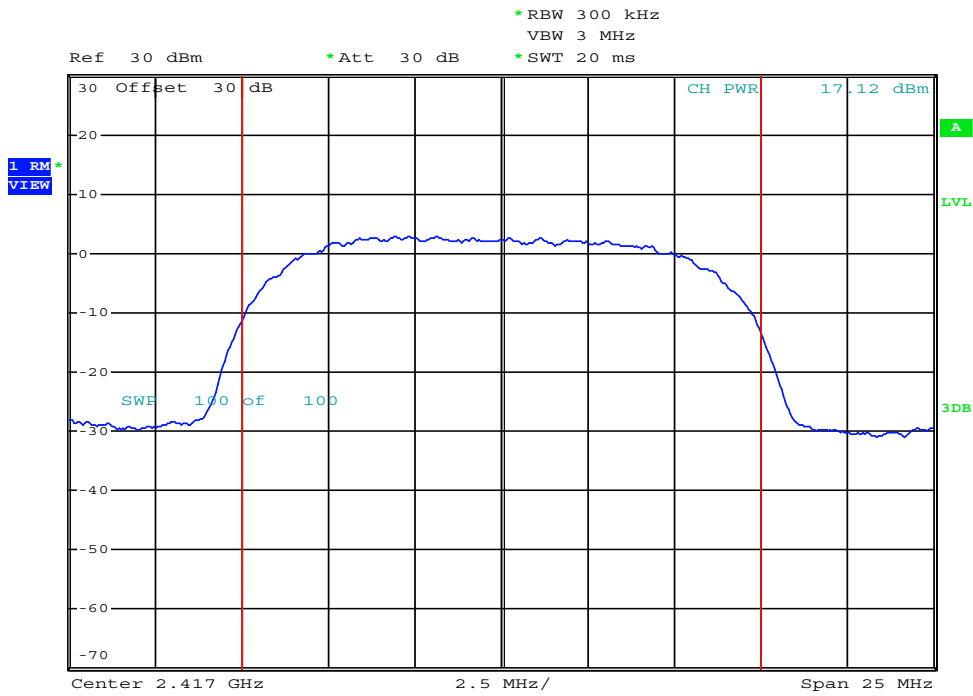
Data Rate:

5.5 Mbps

Measured Conducted Power:

16.45 dBm

Conducted Power



Date: 19.NOV.2020 14:50:12

Channel Frequency:

2417.00 MHz

DUT Modulation:

DSSS

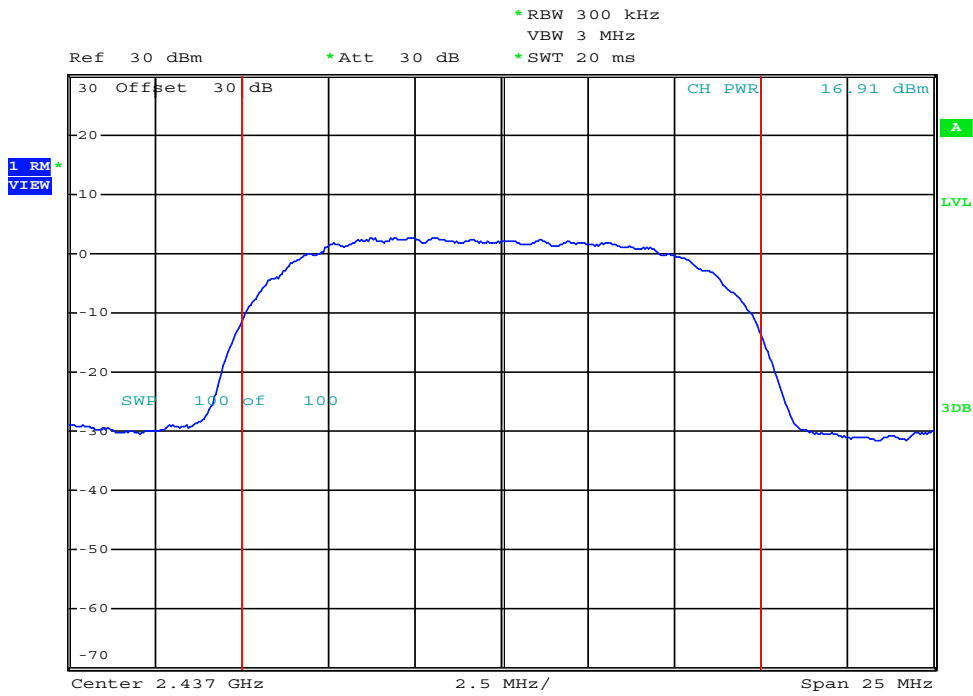
Data Rate:

11 Mbps

Measured Conducted Power:

17.12 dBm

Conducted Power



Date: 19.NOV.2020 14:48:14

Channel Frequency:

2437.00 MHz

DUT Modulation:

DSSS

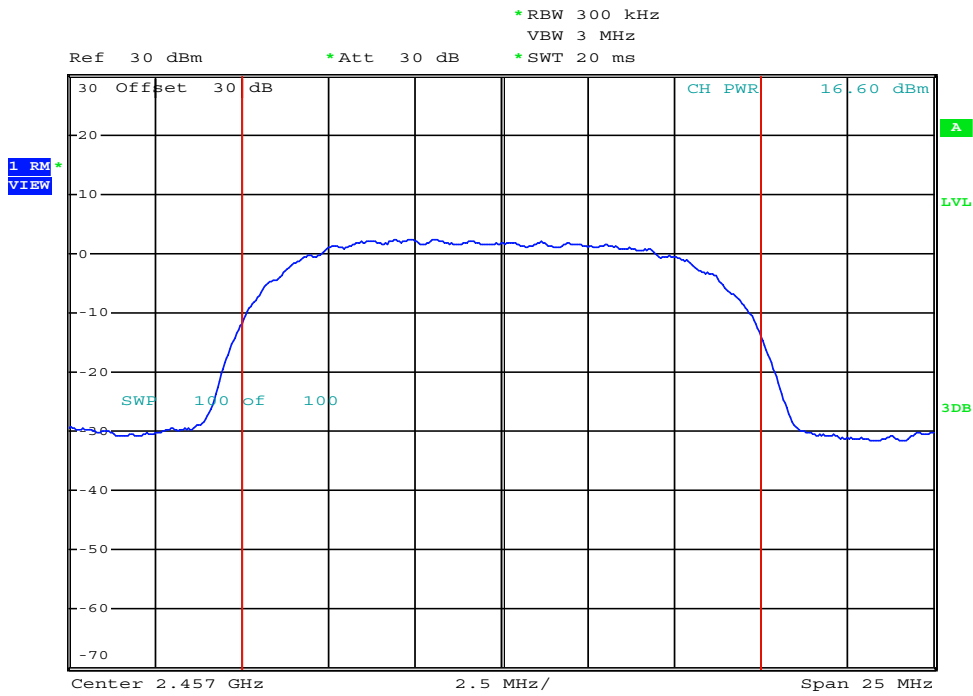
Data Rate:

11 Mbps

Measured Conducted Power:

16.91 dBm

Conducted Power



Date: 19.NOV.2020 14:47:29

Channel Frequency:

2457.00 MHz

DUT Modulation:

DSSS

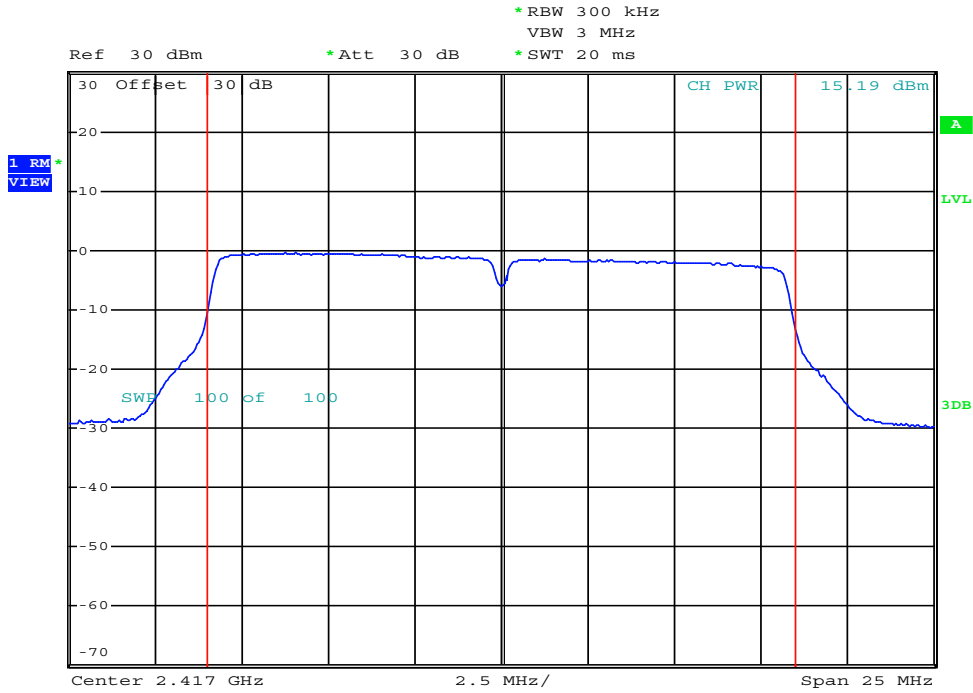
Data Rate:

11 Mbps

Measured Conducted Power:

16.60 dBm

Conducted Power



Date: 19.NOV.2020 14:52:52

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

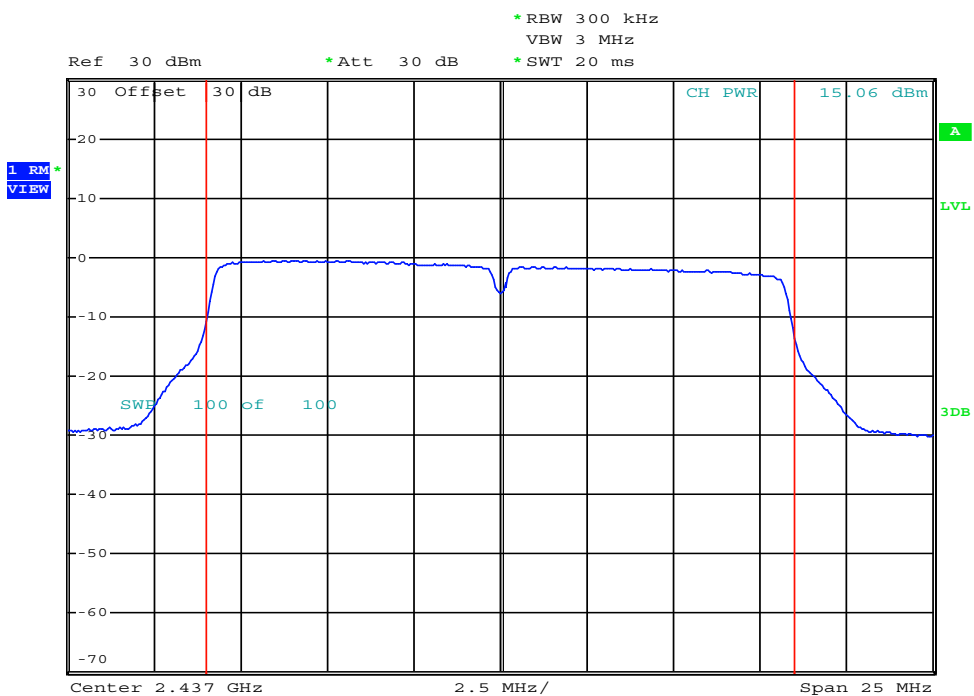
Data Rate:

6 Mbps

Measured Conducted Power:

15.19 dBm

Conducted Power



Date: 19.NOV.2020 14:52:05

Channel Frequency:

2437.00 MHz

DUT Modulation:

OFDM

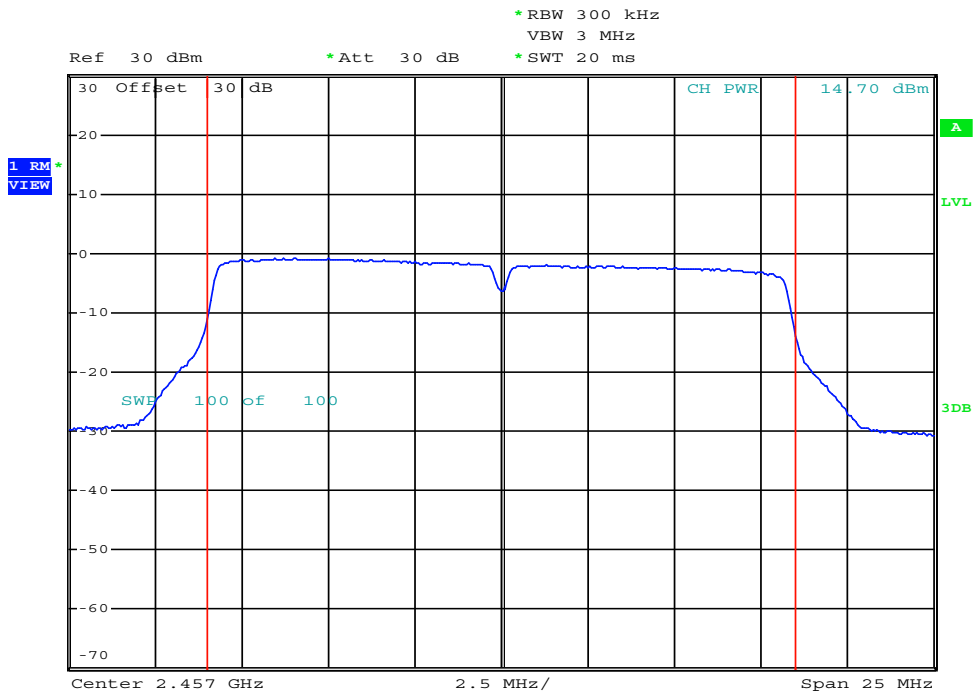
Data Rate:

6 Mbps

Measured Conducted Power:

15.06 dBm

Conducted Power



Date: 19.NOV.2020 14:53:43

Channel Frequency:

2457.00 MHz

DUT Modulation:

OFDM

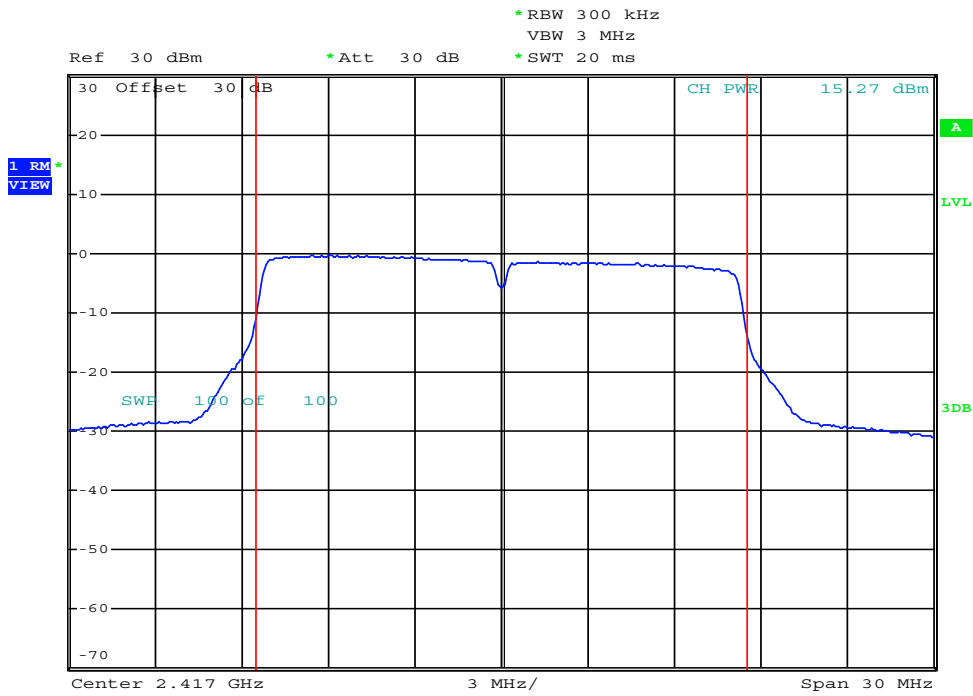
Data Rate:

6 Mbps

Measured Conducted Power:

14.70 dBm

Conducted Power



Date: 19.NOV.2020 15:42:09

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

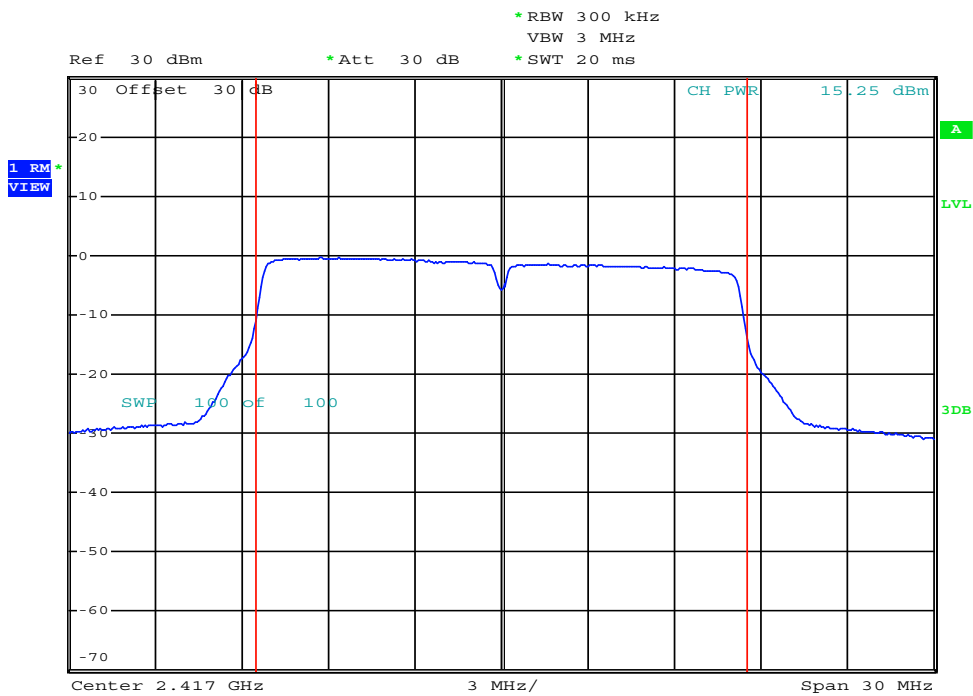
Data Rate:

12 Mbps

Measured Conducted Power:

15.27 dBm

Conducted Power



Date: 19.NOV.2020 15:41:33

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

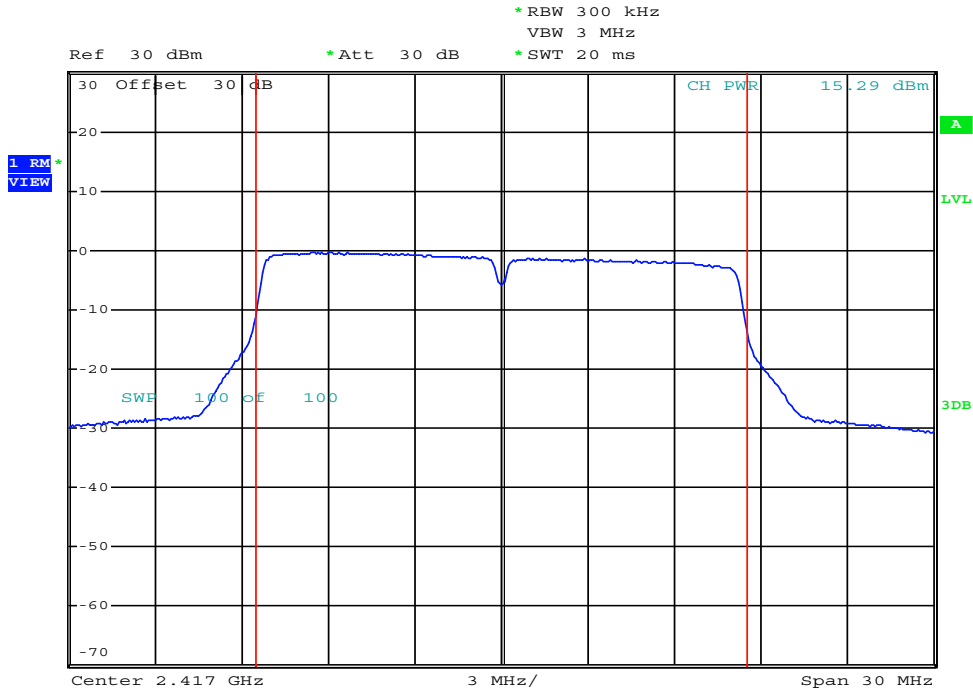
Data Rate:

18 Mbps

Measured Conducted Power:

15.25 dBm

Conducted Power



Date: 19.NOV.2020 15:40:57

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

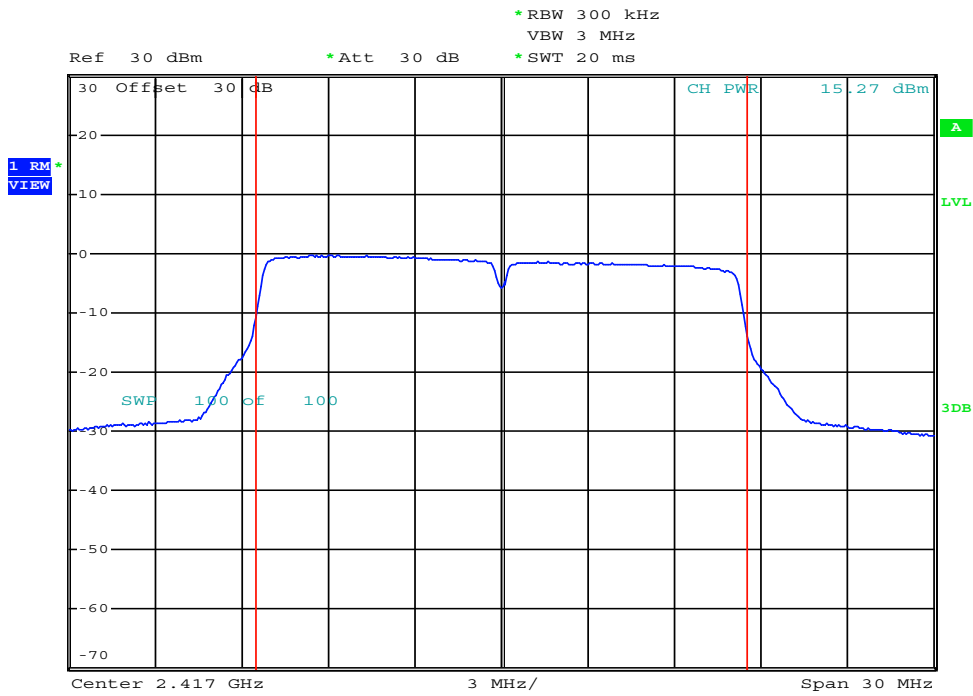
Data Rate:

24 Mbps

Measured Conducted Power:

15.29 dBm

Conducted Power



Date: 19.NOV.2020 15:40:22

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

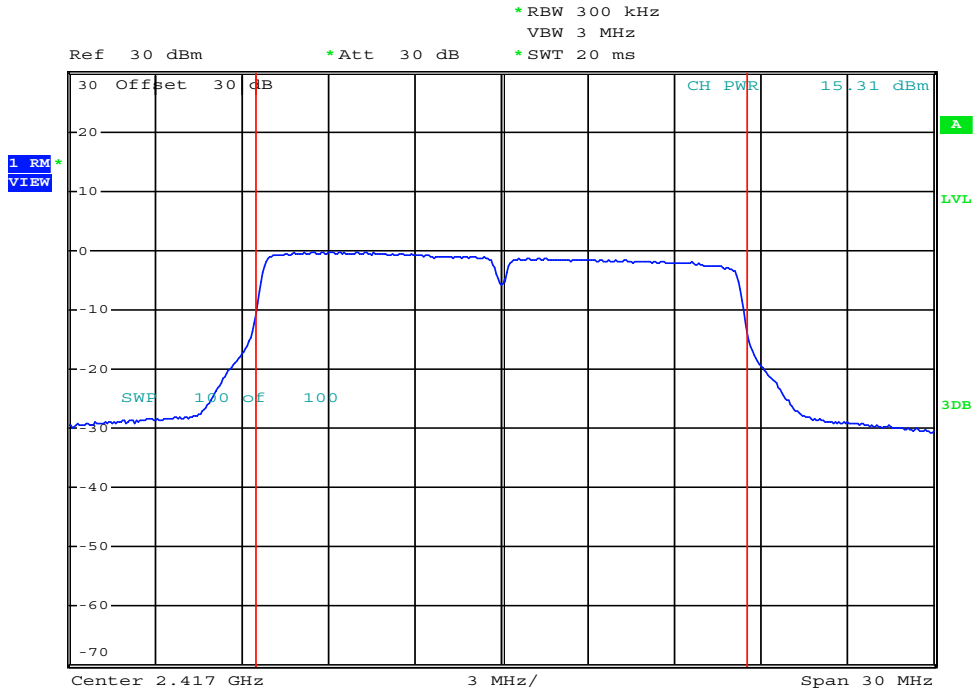
Data Rate:

36 Mbps

Measured Conducted Power:

15.27 dBm

Conducted Power



Date: 19.NOV.2020 15:39:45

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

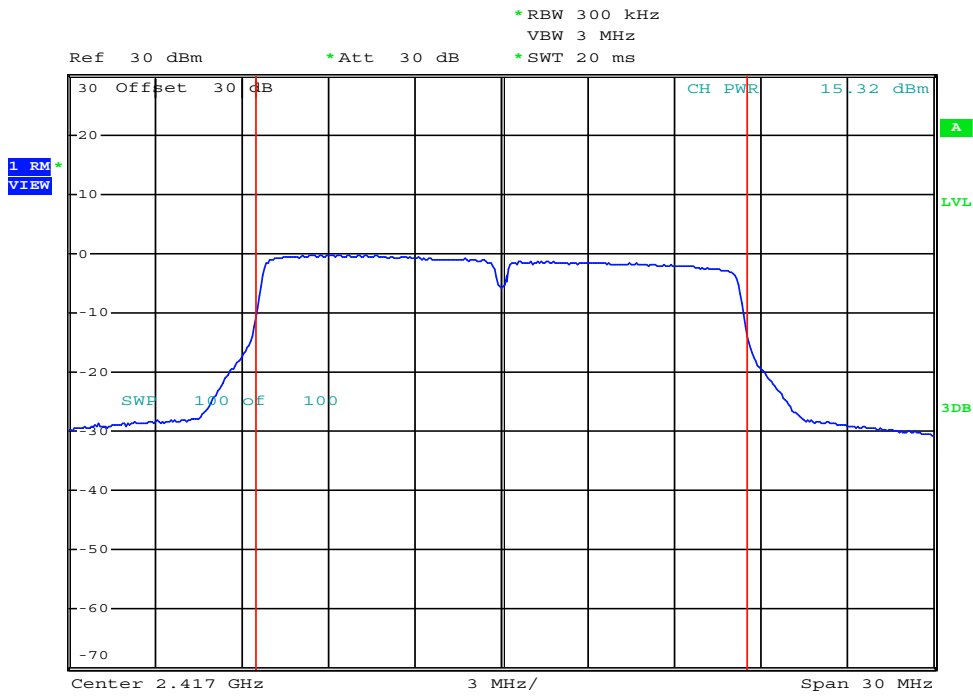
Data Rate:

48 Mbps

Measured Conducted Power:

15.31 dBm

Conducted Power



Date: 19.NOV.2020 15:39:05

Channel Frequency:

2417.00 MHz

DUT Modulation:

OFDM

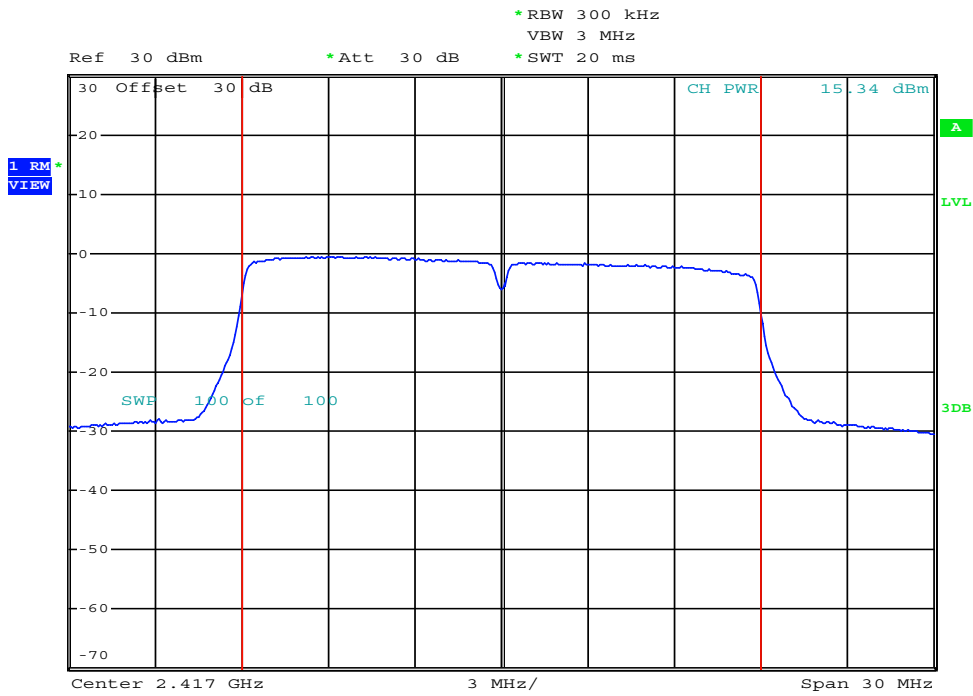
Data Rate:

54 Mbps

Measured Conducted Power:

15.31 dBm

Conducted Power



Date: 19.NOV.2020 15:38:01

Channel Frequency:

2417.00 MHz

DUT Modulation:

MCS0

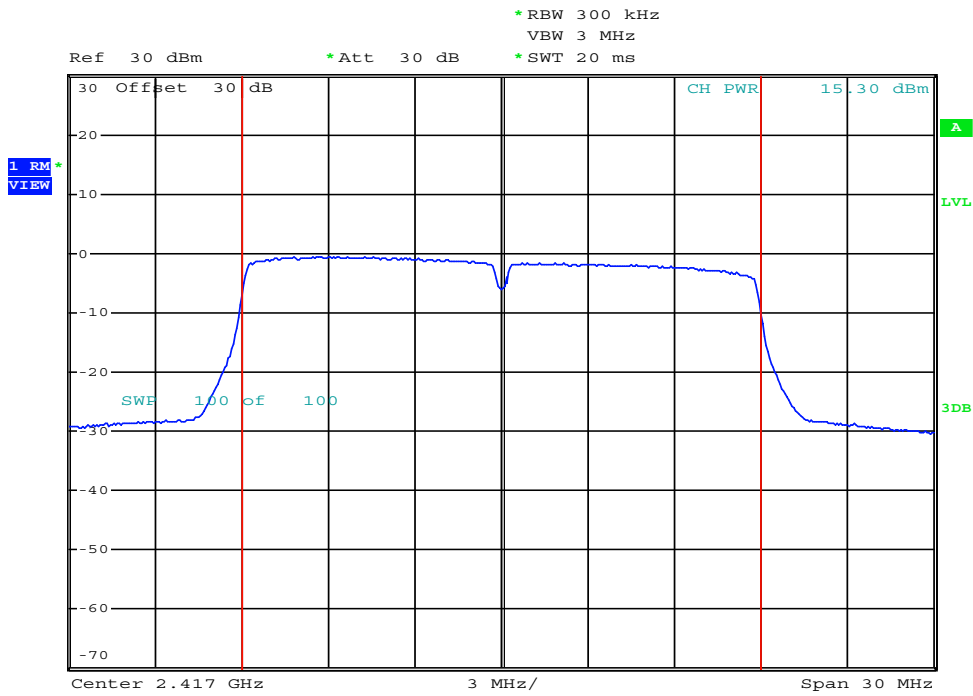
Data Rate:

- Mbps

Measured Conducted Power:

15.34 dBm

Conducted Power



Date: 19.NOV.2020 15:37:18

Channel Frequency:

2417.00 MHz

DUT Modulation:

MCS3

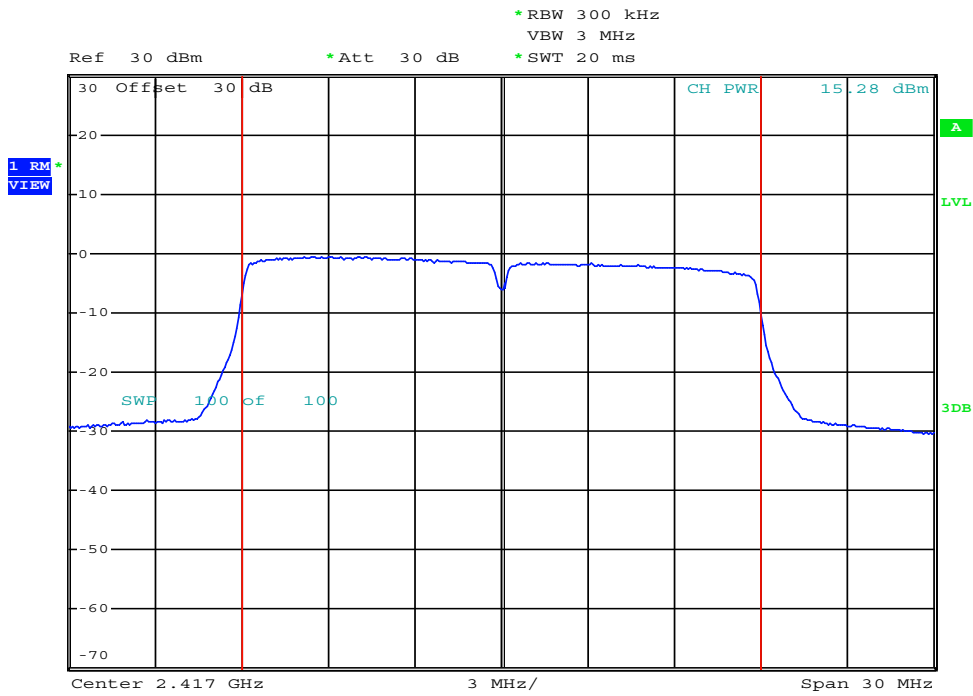
Data Rate:

- Mbps

Measured Conducted Power:

15.30 dBm

Conducted Power



Date: 19.NOV.2020 15:36:18

Channel Frequency:

2417.00 MHz

DUT Modulation:

MCS7

Data Rate:

- Mbps

Measured Conducted Power:

15.28 dBm