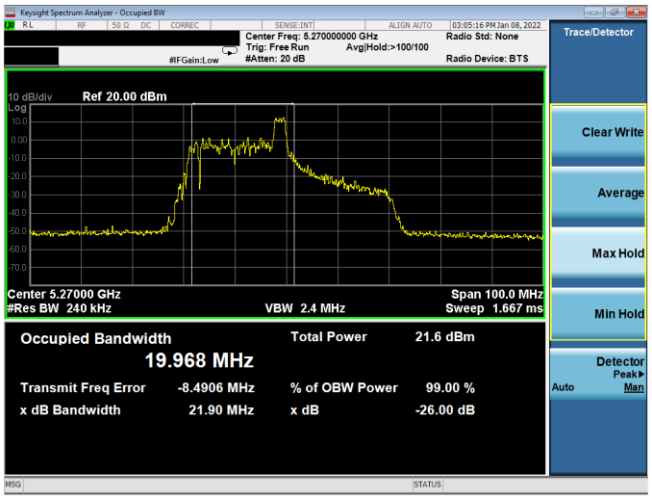
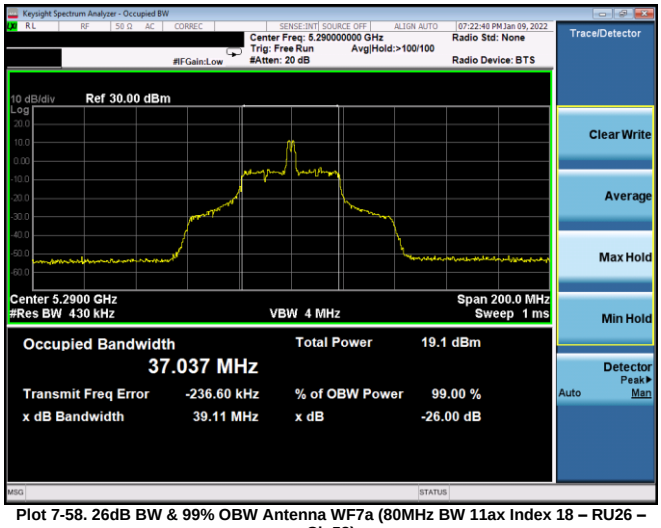
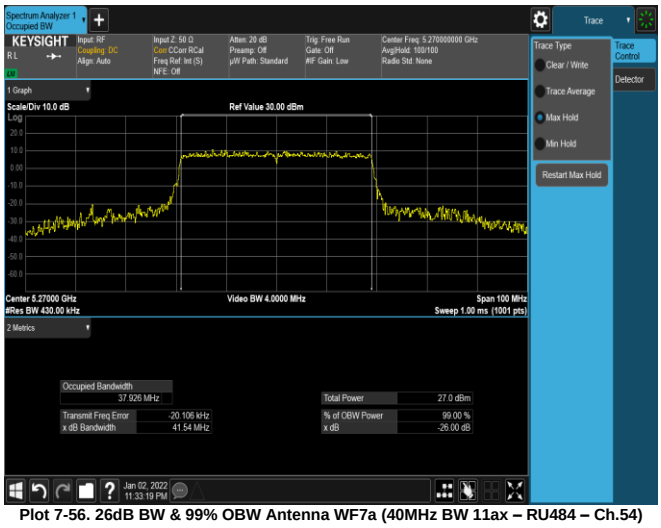


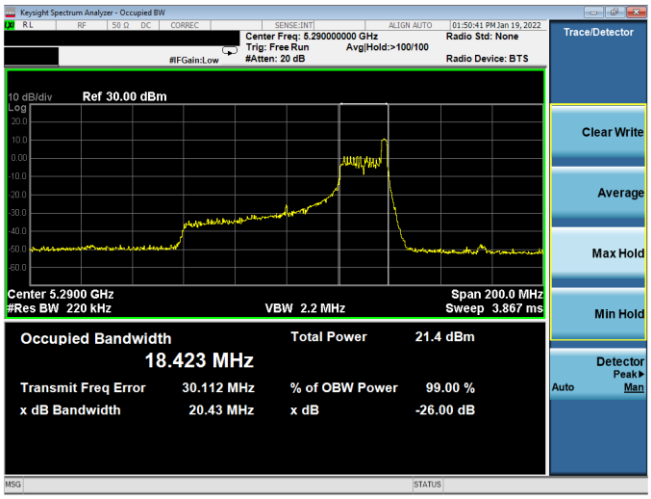
Plot 7-55. 26dB BW & 99% OBW Antenna WF7a (40MHz BW 11ax Index 17 – RU26 – Ch.54)



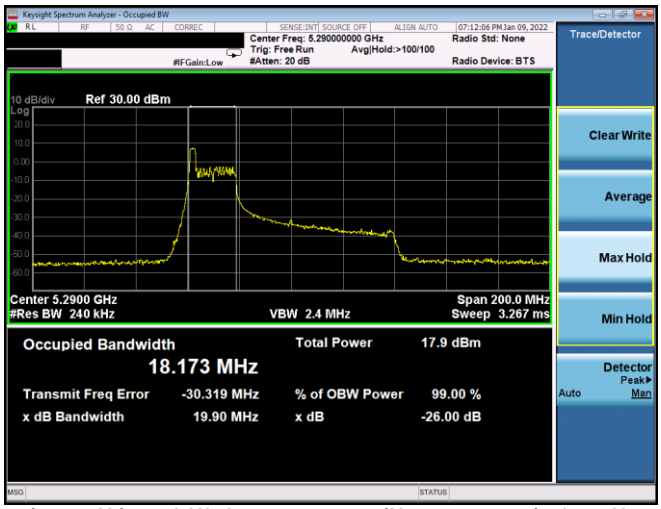
Plot 7-58. 26dB BW & 99% OBW Antenna WF7a (80MHz BW 11ax Index 18 – RU26 – Ch.58)



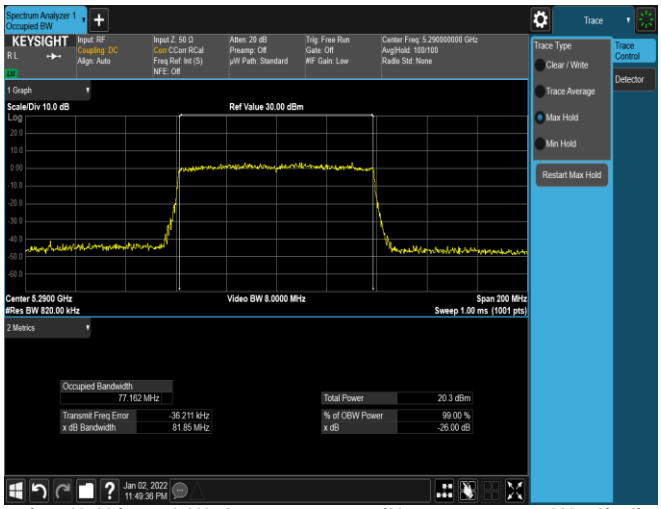
Plot 7-56. 26dB BW & 99% OBW Antenna WF7a (40MHz BW 11ax – RU484 – Ch.54)



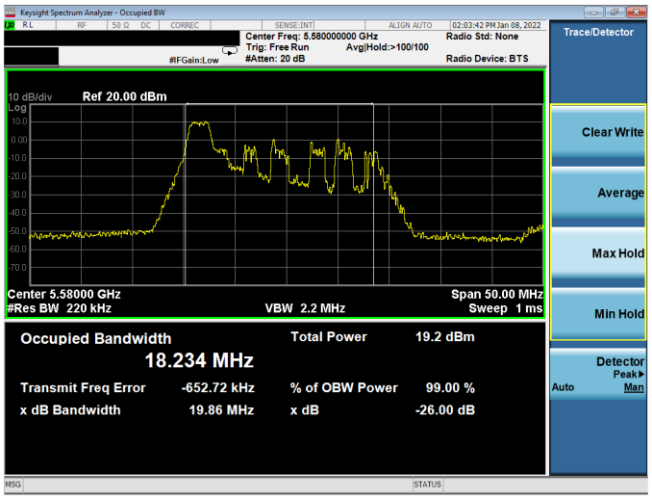
Plot 7-59. 26dB BW & 99% OBW Antenna WF7a (80MHz BW 11ax Index 36 – RU26 – Ch.58)



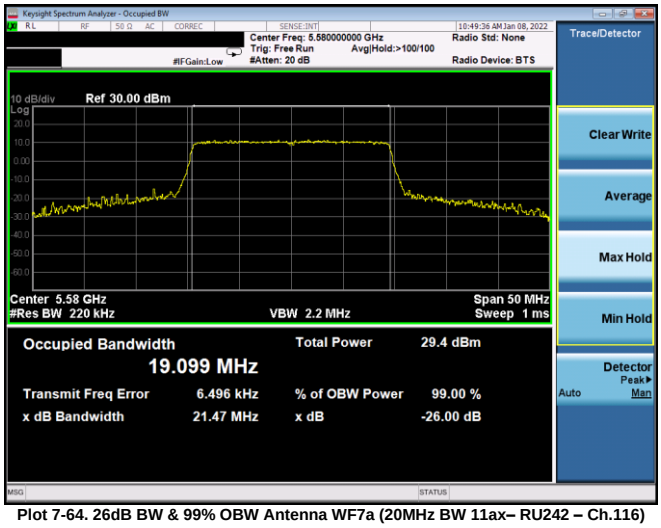
Plot 7-57. 26dB BW & 99% OBW Antenna WF7a (80MHz BW 11ax Index 0 – RU26 – Ch.58)



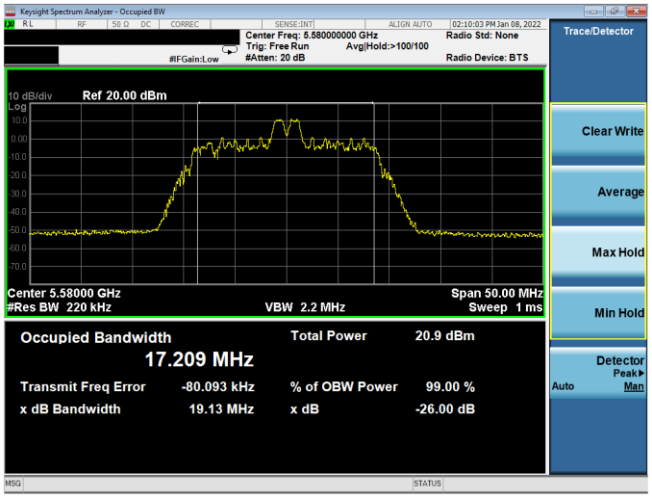
Plot 7-60. 26dB BW & 99% OBW Antenna WF7a (80MHz BW 11ax – RU996 – Ch.58)



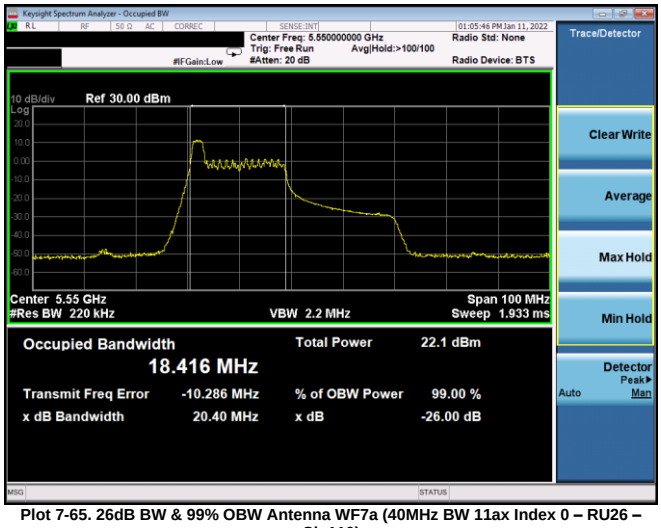
Plot 7-61. 26dB BW & 99% OBW Antenna WF7a (20MHz BW 11ax Index 0 – RU26 – Ch.116)



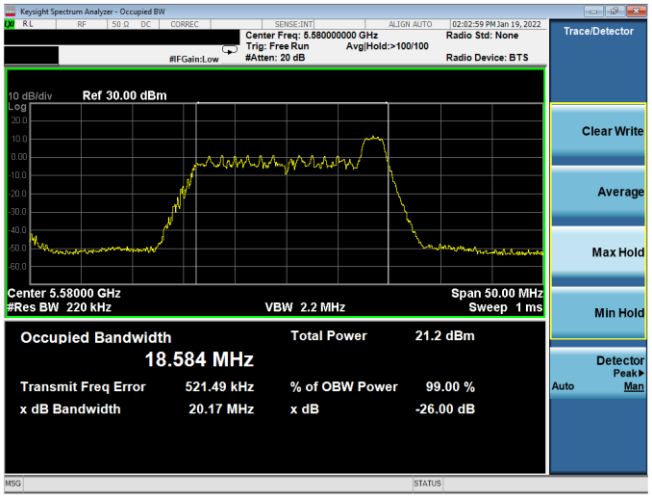
Plot 7-64. 26dB BW & 99% OBW Antenna WF7a (20MHz BW 11ax– RU242 – Ch.116)



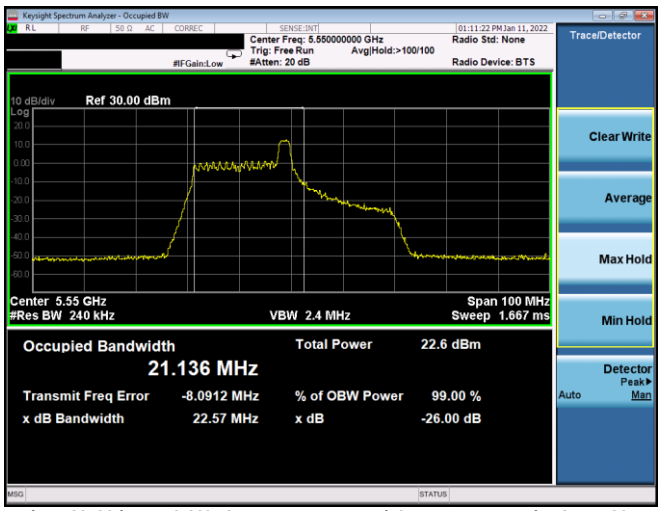
Plot 7-62. 26dB BW & 99% OBW Antenna WF7a (20MHz BW 11ax Index 4 – RU26 – Ch.116)



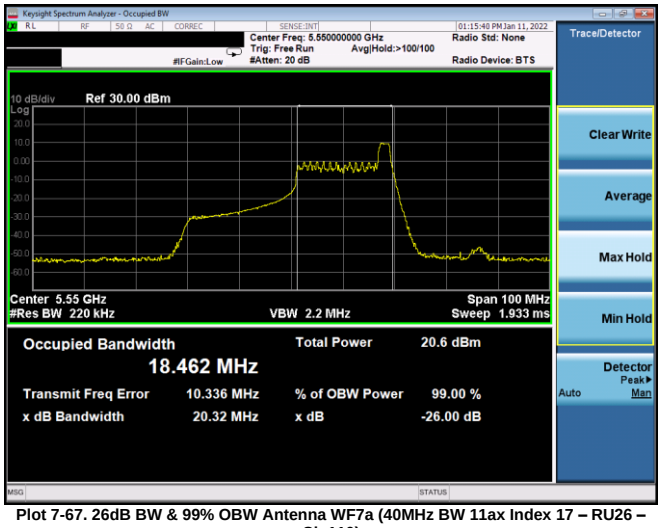
Plot 7-65. 26dB BW & 99% OBW Antenna WF7a (40MHz BW 11ax Index 0 – RU26 – Ch.110)



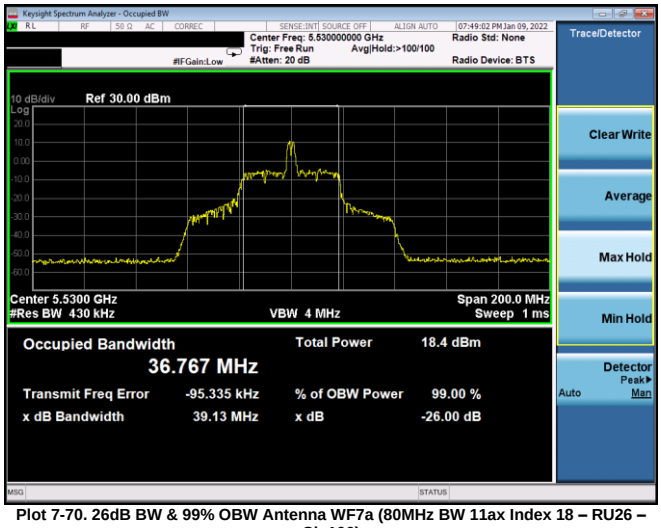
Plot 7-63. 26dB BW & 99% OBW Antenna WF7a (20MHz BW 11ax Index 8– RU26 – Ch.116)



Plot 7-66. 26dB BW & 99% OBW Antenna WF7a (40MHz BW 11ax Index 8 – RU26 – Ch.110)

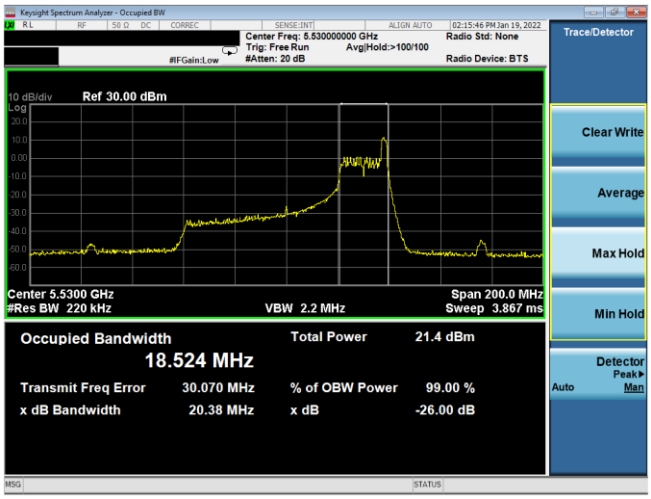


Plot 7-67. 26dB BW & 99% OBW Antenna WF7a (40MHz BW 11ax Index 17 – RU26 – Ch.110)

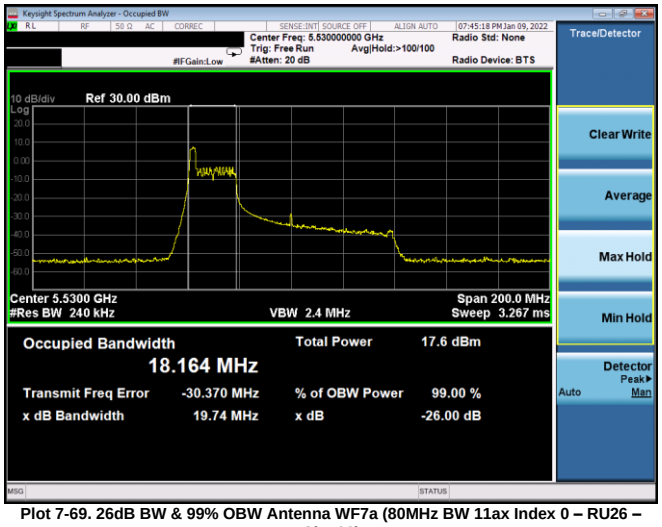


Plot 7-70. 26dB BW & 99% OBW Antenna WF7a (80MHz BW 11ax Index 18 – RU26 – Ch.106)

Plot 7-68. 26dB BW & 99% OBW Antenna WF7a (40MHz BW 11ax – RU484 – Ch.110)



Plot 7-71. 26dB BW & 99% OBW Antenna WF7a (80MHz BW 11ax Index 36 – RU26 – Ch.106)



Plot 7-69. 26dB BW & 99% OBW Antenna WF7a (80MHz BW 11ax Index 0 – RU26 – Ch.106)

Plot 7-72. 26dB BW & 99% OBW Antenna WF7a (80MHz BW 11ax – RU996 – Ch.106)

7.3 6dB & 99% Bandwidth Measurement – 802.11ax OFDMA

§2.1049; §15.407 (e); RSS-Gen [6.7]

Test Overview and Limit

The bandwidth at 6dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. The spectrum analyzer's bandwidth measurement function is configured to measure the 6dB bandwidth.

In the 5.725 – 5.850GHz band, the 6dB bandwidth must be ≥ 500 kHz.

Test Procedure Used

ANSI C63.10-2013 – Subclause 6.9.2
KDB 789033 D02 v02r01 – Section C

Test Settings

1. The signal analyzers' automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 6. The automatic bandwidth measurement function also has the capability of simultaneously measuring the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 100 kHz
3. VBW ≥ 3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

Figure 7-2. Test Instrument & Measurement Setup

Test Notes

1. All antenna configurations were investigated and only the worst case is reported
2. All RU's were investigated and only worst case partially-loaded and fully-loaded RU's were reported.
3. Low, mid, and high channels were tested and tabular data has been reported. Only mid channel bandwidth plots have been reported.

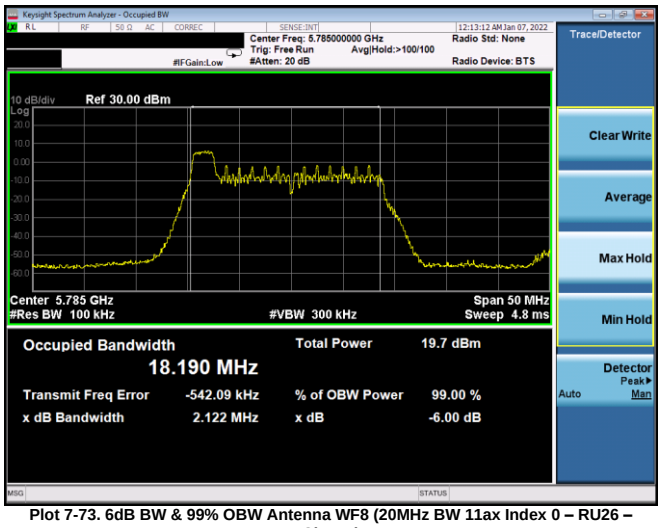
Antenna WF8 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	26	0	135/143.4 (MCS11)	18.19	2.12	0.50	Pass
				26	4	135/143.4 (MCS11)	17.19	2.69	0.50	Pass
				26	8	135/143.4 (MCS11)	18.38	2.10	0.50	Pass
	5785	157	ax (20MHz)	26	0	135/143.4 (MCS11)	18.19	2.12	0.50	Pass
				26	4	135/143.4 (MCS11)	17.21	2.72	0.50	Pass
				26	8	135/143.4 (MCS11)	18.35	2.14	0.50	Pass
	5825	165	ax (20MHz)	26	0	135/143.4 (MCS11)	18.20	2.13	0.50	Pass
				26	4	135/143.4 (MCS11)	17.20	2.69	0.50	Pass
				26	8	135/143.4 (MCS11)	18.36	2.10	0.50	Pass
	5755	151	ax (40MHz)	26	0	135/143.4 (MCS11)	17.92	2.14	0.50	Pass
				26	8	135/143.4 (MCS11)	19.23	2.14	0.50	Pass
				26	17	135/143.4 (MCS11)	18.05	2.16	0.50	Pass
	5795	159	ax (40MHz)	26	0	135/143.4 (MCS11)	17.96	2.14	0.50	Pass
				26	8	135/143.4 (MCS11)	19.22	2.10	0.50	Pass
				26	17	135/143.4 (MCS11)	18.09	2.17	0.50	Pass
	5775	155	ax (80MHz)	26	0	135/143.4 (MCS11)	17.96	2.25	0.00	Pass
				26	18	135/143.4 (MCS11)	36.68	2.76	0.00	Pass
				26	36	135/143.4 (MCS11)	18.16	2.26	0.50	Pass

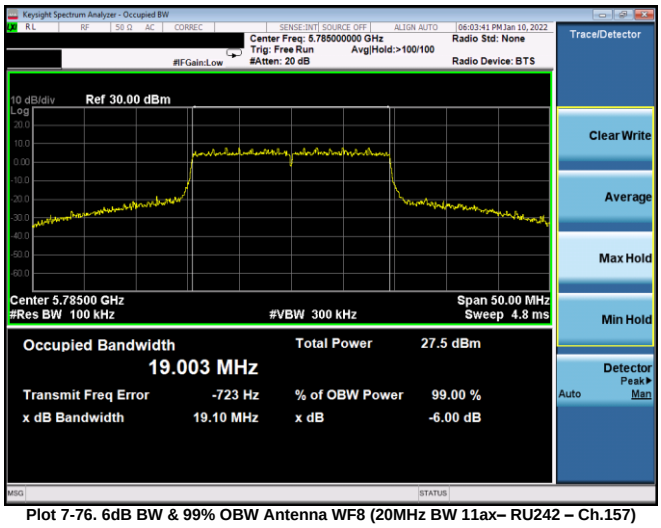
Table 7-6. Conducted Bandwidth Measurements Antenna WF8 (RU26)

	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	242	61	135/143.4 (MCS11)	19.02	19.11	0.50	Pass
	5785	157	ax (20MHz)	242	61	135/143.4 (MCS11)	19.00	19.10	0.50	Pass
	5825	165	ax (20MHz)	242	61	135/143.4 (MCS11)	19.02	19.10	0.50	Pass
	5755	151	ax (40MHz)	484	65	135/143.4 (MCS11)	37.88	38.20	0.50	Pass
	5795	159	ax (40MHz)	484	65	135/143.4 (MCS11)	38.12	38.28	0.50	Pass
	5775	155	ax (80MHz)	996	67	135/143.4 (MCS11)	77.03	78.11	0.50	Pass

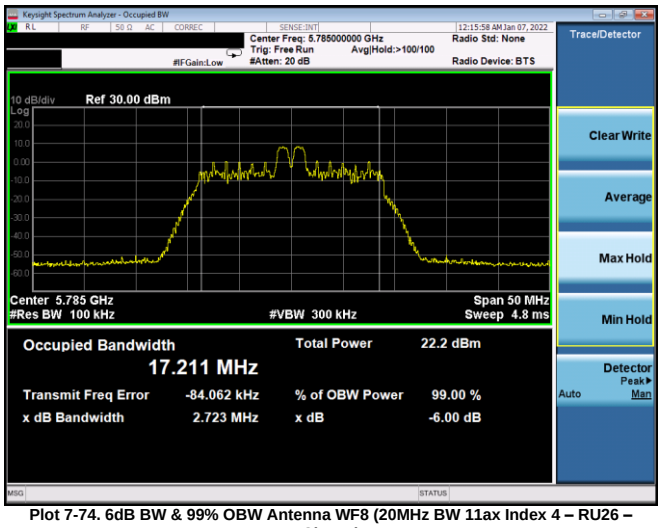
Table 7-7. Conducted Bandwidth Measurements Antenna WF8 (Fully- loaded RU)



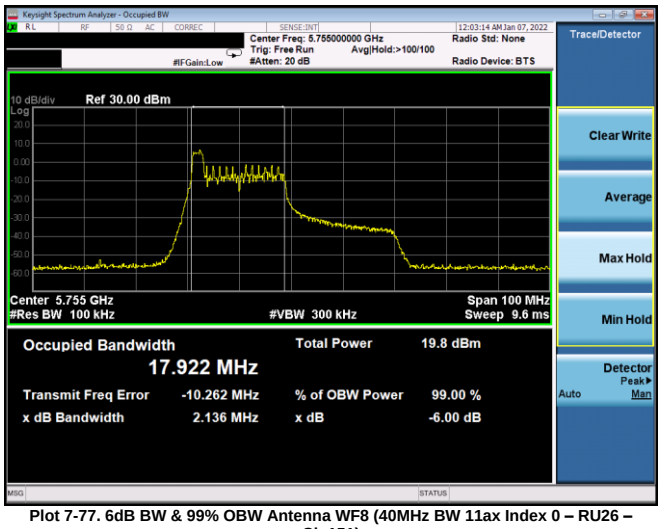
Plot 7-73. 6dB BW & 99% OBW Antenna WF8 (20MHz BW 11ax Index 0 – RU26 – Ch.157)



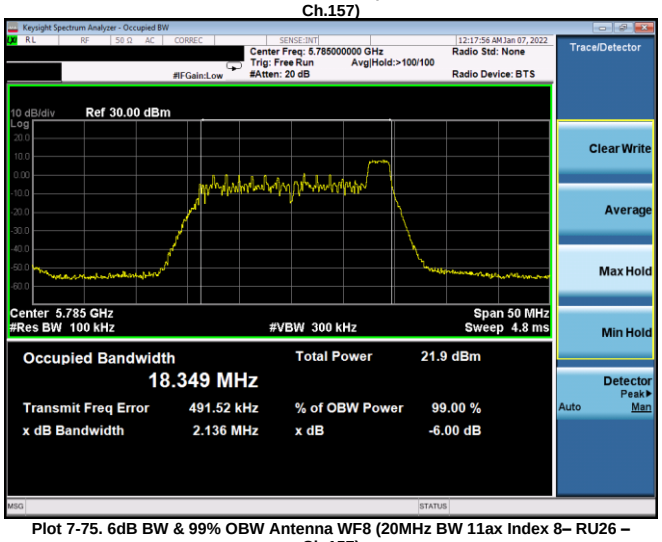
Plot 7-76. 6dB BW & 99% OBW Antenna WF8 (20MHz BW 11ax– RU242 – Ch.157)



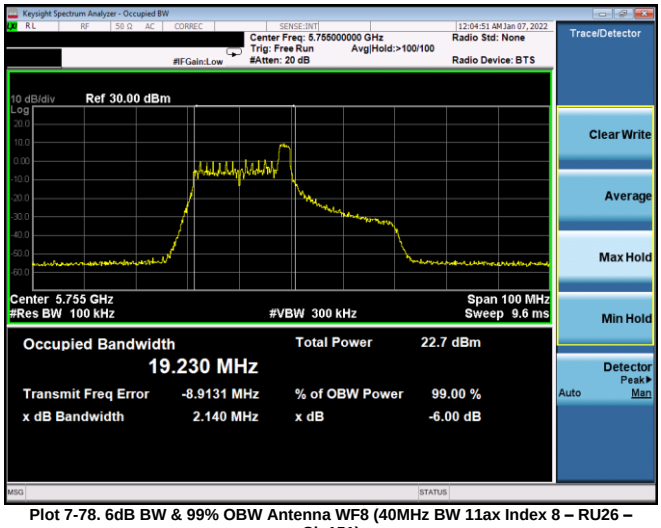
Plot 7-74. 6dB BW & 99% OBW Antenna WF8 (20MHz BW 11ax Index 4 – RU26 – Ch.157)



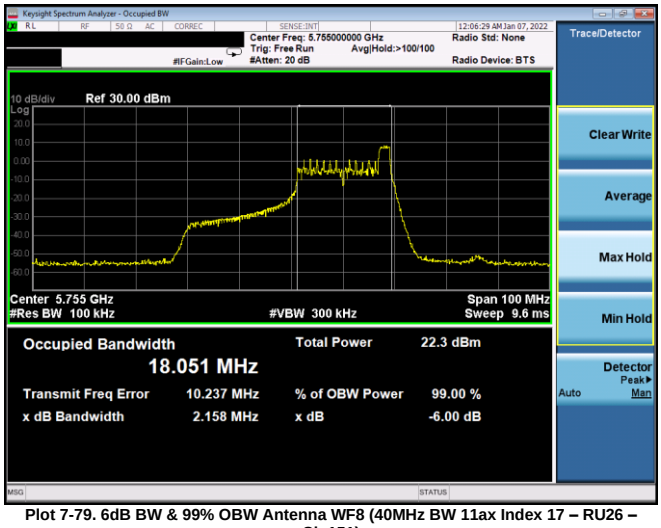
Plot 7-77. 6dB BW & 99% OBW Antenna WF8 (40MHz BW 11ax Index 0 – RU26 – Ch.151)



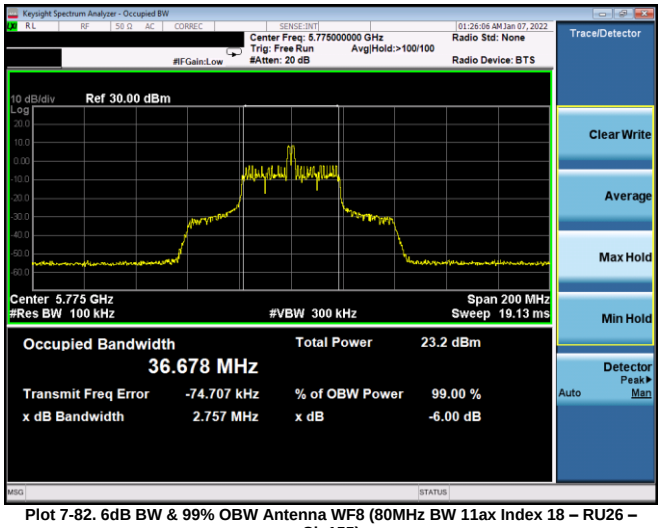
Plot 7-75. 6dB BW & 99% OBW Antenna WF8 (20MHz BW 11ax Index 8– RU26 – Ch.157)



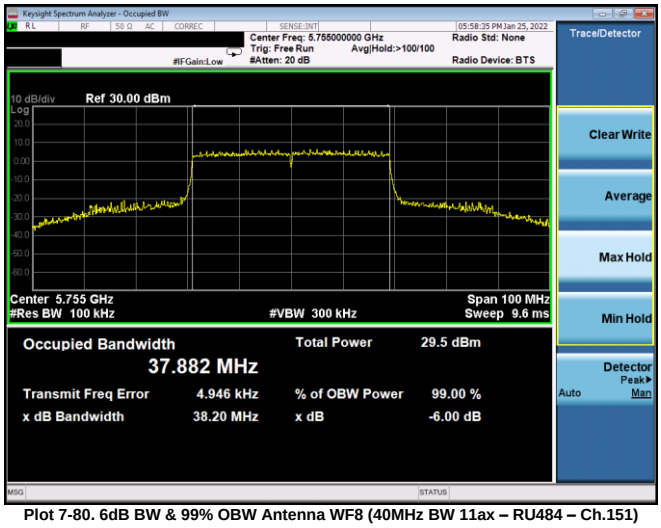
Plot 7-78. 6dB BW & 99% OBW Antenna WF8 (40MHz BW 11ax Index 8 – RU26 – Ch.151)



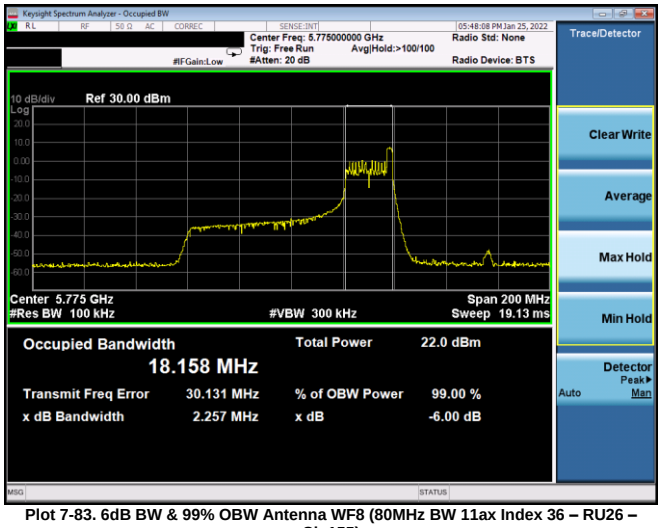
Plot 7-79. 6dB BW & 99% OBW Antenna WF8 (40MHz BW 11ax Index 17 – RU26 – Ch.151)



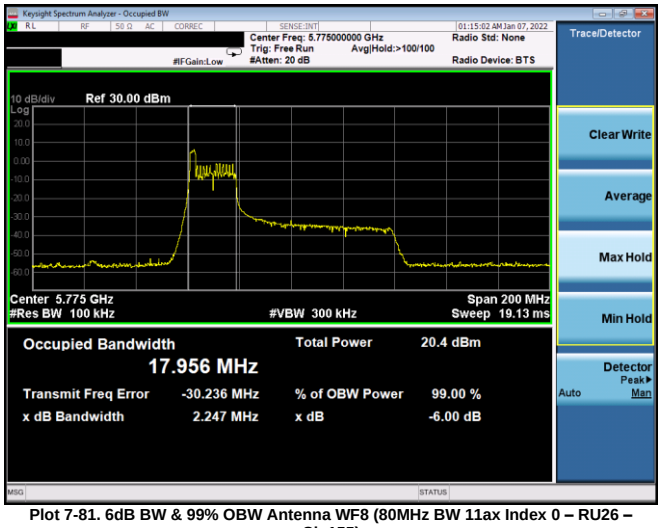
Plot 7-82. 6dB BW & 99% OBW Antenna WF8 (80MHz BW 11ax Index 18 – RU26 – Ch.155)



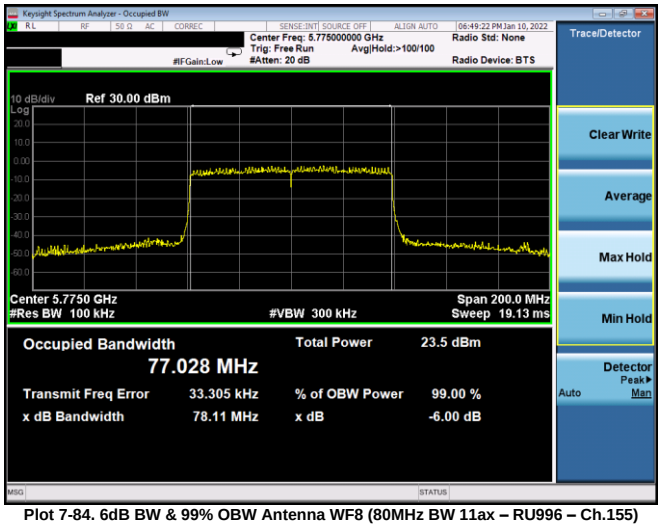
Plot 7-80. 6dB BW & 99% OBW Antenna WF8 (40MHz BW 11ax – RU484 – Ch.151)



Plot 7-83. 6dB BW & 99% OBW Antenna WF8 (80MHz BW 11ax Index 36 – RU26 – Ch.155)



Plot 7-81. 6dB BW & 99% OBW Antenna WF8 (80MHz BW 11ax Index 0 – RU26 – Ch.155)



Plot 7-84. 6dB BW & 99% OBW Antenna WF8 (80MHz BW 11ax – RU996 – Ch.155)

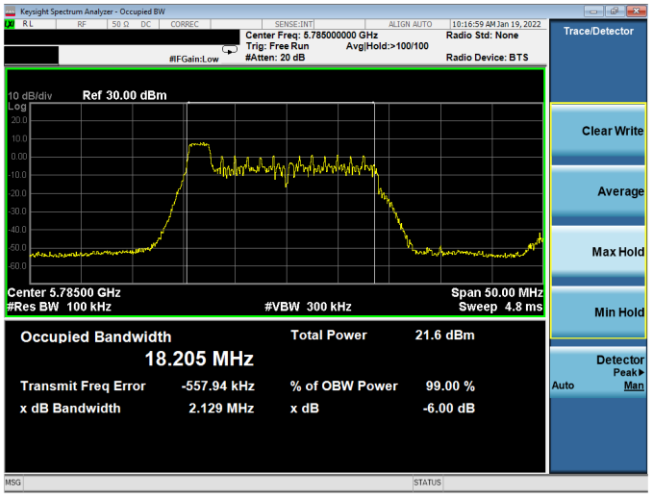
Antenna WF7a 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	26	0	135/143.4 (MCS11)	18.20	2.11	0.50	Pass
				26	4	135/143.4 (MCS11)	17.25	2.69	0.50	Pass
				26	8	135/143.4 (MCS11)	18.39	2.16	0.50	Pass
	5785	157	ax (20MHz)	26	0	135/143.4 (MCS11)	18.21	2.13	0.50	Pass
				26	4	135/143.4 (MCS11)	17.21	2.71	0.50	Pass
				26	8	135/143.4 (MCS11)	18.38	2.12	0.50	Pass
	5825	165	ax (20MHz)	26	0	135/143.4 (MCS11)	18.19	2.15	0.50	Pass
				26	4	135/143.4 (MCS11)	17.20	2.72	0.50	Pass
				26	8	135/143.4 (MCS11)	18.38	2.11	0.50	Pass
	5755	151	ax (40MHz)	26	0	135/143.4 (MCS11)	17.99	2.18	0.50	Pass
				26	8	135/143.4 (MCS11)	19.41	2.19	0.50	Pass
				26	17	135/143.4 (MCS11)	18.08	2.16	0.50	Pass
	5795	159	ax (40MHz)	26	0	135/143.4 (MCS11)	17.99	2.12	0.50	Pass
				26	8	135/143.4 (MCS11)	19.47	2.16	0.50	Pass
				26	17	135/143.4 (MCS11)	18.08	2.12	0.50	Pass
	5775	155	ax (80MHz)	26	0	135/143.4 (MCS11)	17.97	2.27	0.50	Pass
				26	18	135/143.4 (MCS11)	36.79	2.84	0.50	Pass
				26	36	135/143.4 (MCS11)	18.12	2.27	0.50	Pass

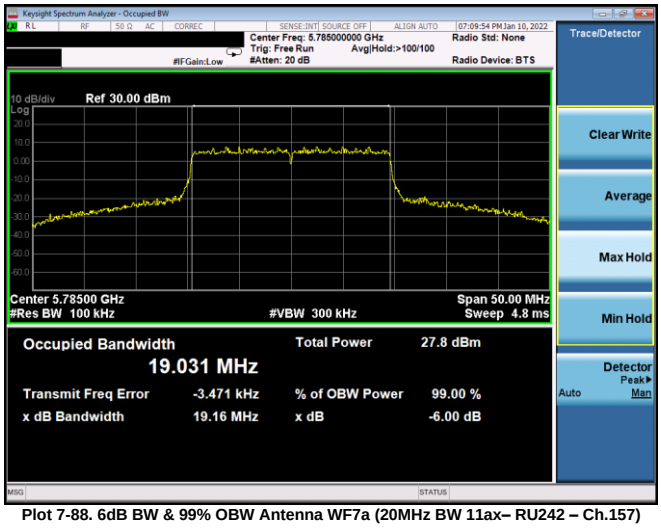
Table 7-8. Conducted Bandwidth Measurements Antenna WF7a (RU26)

	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	242	61	135/143.4 (MCS11)	18.98	18.91	0.50	Pass
	5785	157	ax (20MHz)	242	61	135/143.4 (MCS11)	19.03	19.16	0.50	Pass
	5825	165	ax (20MHz)	242	61	135/143.4 (MCS11)	19.03	19.07	0.50	Pass
	5755	151	ax (40MHz)	484	65	135/143.4 (MCS11)	37.87	38.21	0.50	Pass
	5795	159	ax (40MHz)	484	65	135/143.4 (MCS11)	37.90	38.09	0.50	Pass
	5775	155	ax (80MHz)	996	67	135/143.4 (MCS11)	77.09	78.16	0.50	Pass

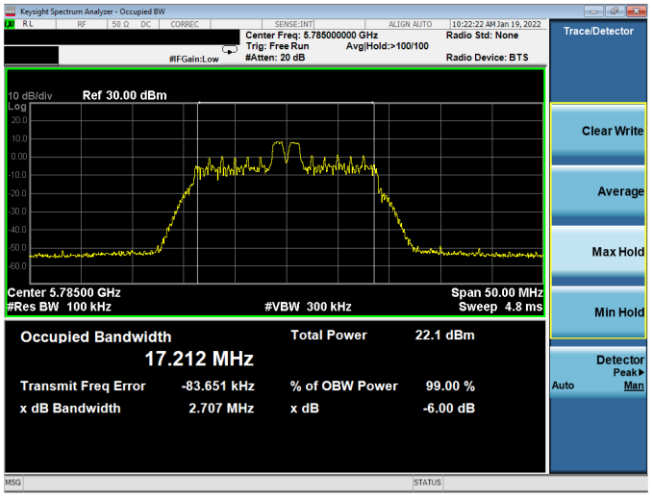
Table 7-9. Conducted Bandwidth Measurements Antenna WF7a (Fully-loaded RU)



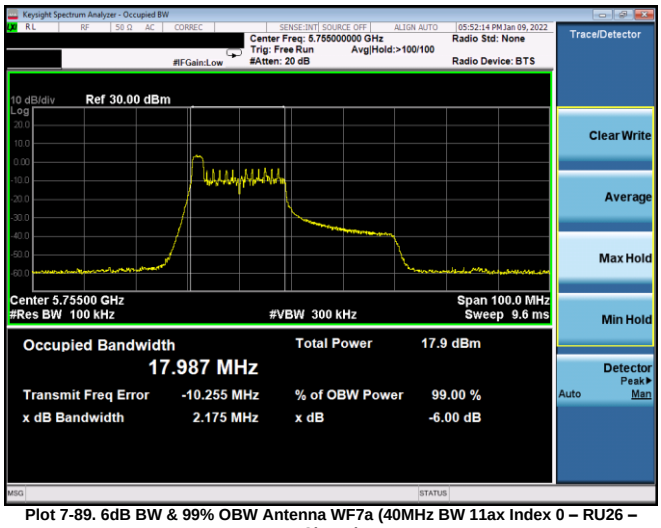
Plot 7-85. 6dB BW & 99% OBW Antenna WF7a (20MHz BW 11ax Index 0 – RU26 – Ch.157)



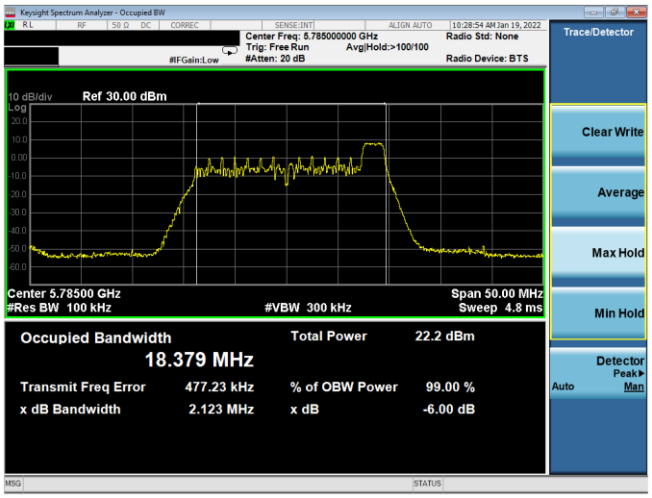
Plot 7-88. 6dB BW & 99% OBW Antenna WF7a (20MHz BW 11ax– RU242 – Ch.157)



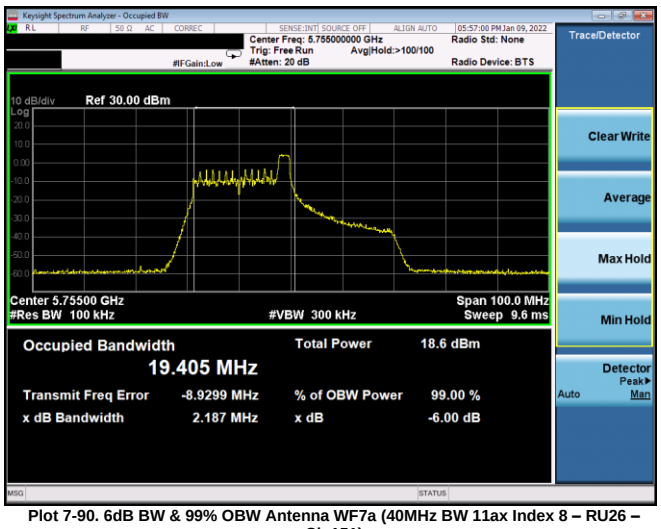
Plot 7-86. 6dB BW & 99% OBW Antenna WF7a (20MHz BW 11ax Index 4 – RU26 – Ch.157)



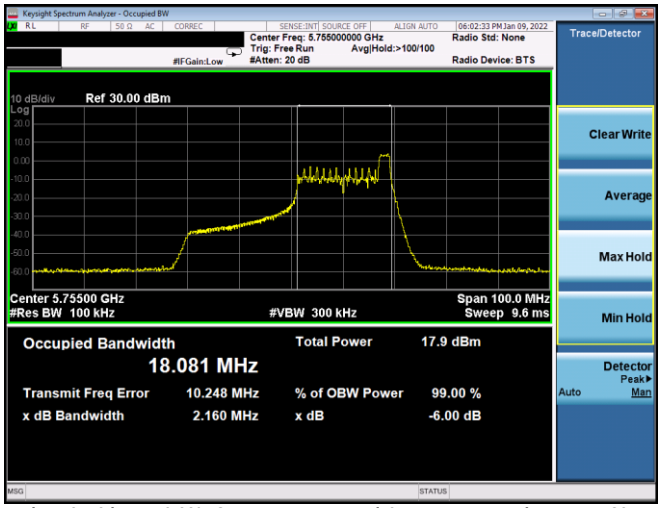
Plot 7-89. 6dB BW & 99% OBW Antenna WF7a (40MHz BW 11ax Index 0 – RU26 – Ch.151)



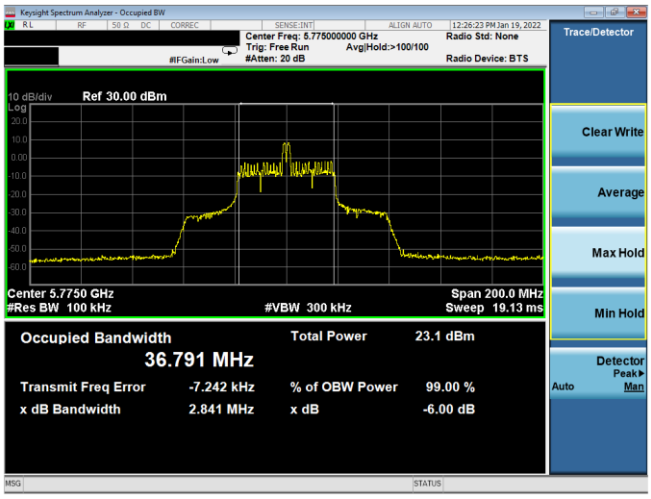
Plot 7-87. 6dB BW & 99% OBW Antenna WF7a (20MHz BW 11ax Index 8– RU26 – Ch.157)



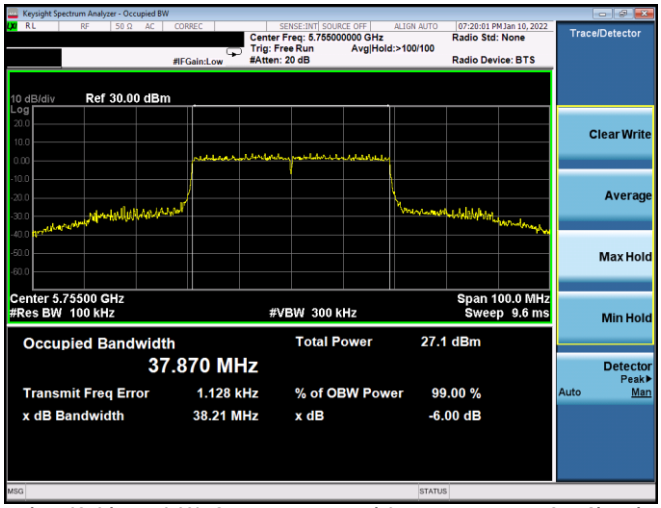
Plot 7-90. 6dB BW & 99% OBW Antenna WF7a (40MHz BW 11ax Index 8 – RU26 – Ch.151)



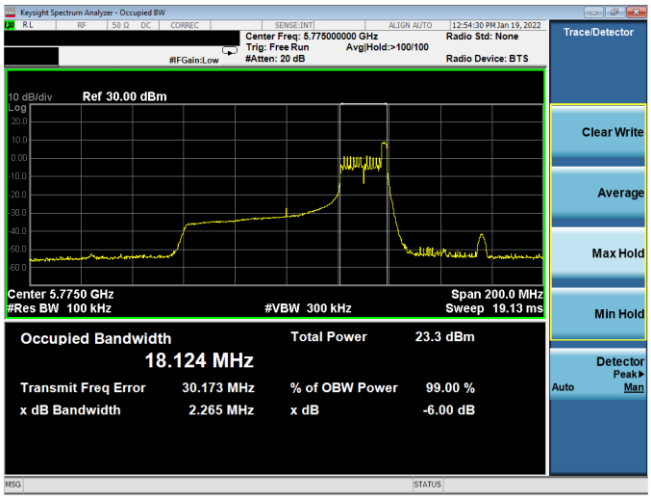
Plot 7-91. 6dB BW & 99% OBW Antenna WF7a (40MHz BW 11ax Index 17 – RU26 – Ch.151)



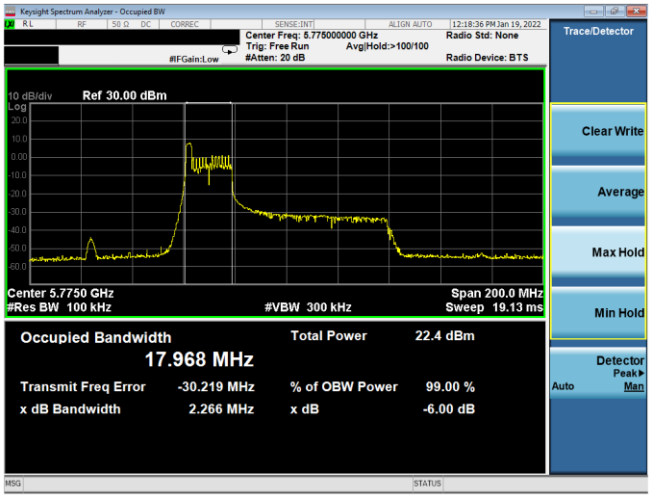
Plot 7-94. 6dB BW & 99% OBW Antenna WF7a (80MHz BW 11ax Index 18 – RU26 – Ch.155)



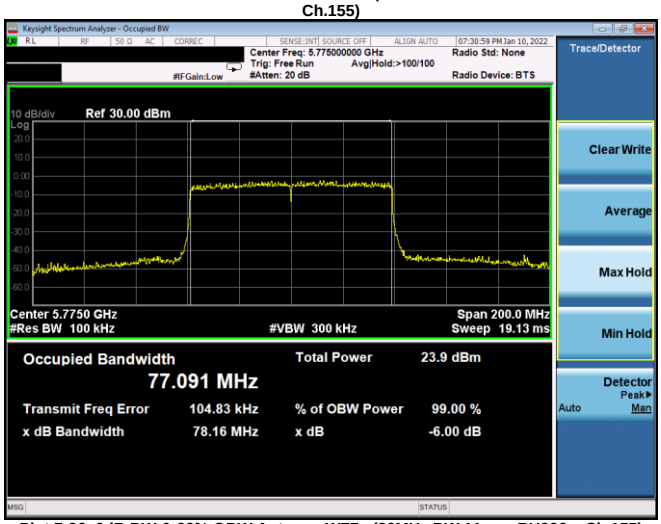
Plot 7-92. 6dB BW & 99% OBW Antenna WF7a (40MHz BW 11ax – RU484 – Ch.151)



Plot 7-95. 6dB BW & 99% OBW Antenna WF7a (80MHz BW 11ax Index 36 – RU26 – Ch.155)



Plot 7-93. 6dB BW & 99% OBW Antenna WF7a (80MHz BW 11ax Index 0 – RU26 – Ch.155)



Plot 7-96. 6dB BW & 99% OBW Antenna WF7a (80MHz BW 11ax – RU996 – Ch.155)

7.4 Conducted Output Power and Max EIRP Measurement – 802.11ax OFDMA

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3); RSS-247 [6.2]

Test Overview and Limits

A transmitter antenna terminal of the EUT is connected to the input of an RF pulse power sensor. Measurement is made using a broadband average power meter while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. B is the 99% OBW per ISED RSS-247 and 26dB BW is per FCC 15.407.

In the 5.15 – 5.25GHz band, the maximum permissible conducted output power is 250mW (23.98dBm). The maximum e.i.r.p. shall not exceed the lesser of 200 mW or 10 + 10 $\log_{10}$B, dBm.

In the 5.25 – 5.35GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or 11 dBm + 10$\log_{10}$(26dB BW) = 11 dBm + 10$\log_{10}$(17.59) = 23.45dBm. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or 17 + 10 $\log_{10}$B, dBm.

In the 5.47 – 5.725GHz band, the maximum permissible conducted output power is the lesser of 250mW (23.98dBm) or 11 dBm + 10$\log_{10}$(26dB BW) = 11 dBm + 10$\log_{10}$(15.82) = 22.99dBm. The maximum e.i.r.p. shall not exceed the lesser of 1.0 W or 17 + 10 $\log_{10}$B, dBm.

In the 5.725 – 5.850GHz band, the maximum permissible conducted output power is 1W (30dBm). The maximum e.i.r.p. is 36 dBm.

Test Procedure Used

ANSI C63.10-2013 – Subclause 12.3.3.2 Method PM-G
KDB 789033 D02 v02r01 – Section E)3)b) Method PM-G
ANSI C63.10-2013 – Subclause 14.2 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)1) Measure-and-Sum Technique

Test Settings

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

Figure 7-3. Test Instrument & Measurement Setup

Test Notes

1. Per RSS-247 Section 6.2.3, transmission on channels which overlap the 5600-5650 MHz is prohibited. This device operates under these frequencies only under the control of a certified master device and does not support active scanning on these channels. This device does not transmit any beacons or initiate any transmissions in UNII Bands 2A or 2C.
2. All RU's were investigated and RU 26 and fully-loaded RU were reported.
3. Additionally, the highest power among partially-loaded RU's was reported.
4. The "-" shown in the following power tables are used to denote N/A.
5. For 802.11ax, the worst case data rate was found to be MCS11.

FCC Antenna WF8 Conducted Output Power Measurements (RU26)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (20MHz Bandwidth)	5180	36	AVG	26	0	135/143.4 (MCS11)	10.94	23.98	-13.04
			AVG	26	4	135/143.4 (MCS11)	11.42	23.98	-12.56
			AVG	26	8	135/143.4 (MCS11)	11.09	23.98	-12.89
	5200	40	AVG	26	0	135/143.4 (MCS11)	10.89	23.98	-13.09
			AVG	26	4	135/143.4 (MCS11)	11.45	23.98	-12.53
			AVG	26	8	135/143.4 (MCS11)	10.96	23.98	-13.02
	5240	48	AVG	26	0	135/143.4 (MCS11)	10.83	23.98	-13.15
			AVG	26	4	135/143.4 (MCS11)	11.41	23.98	-12.57
			AVG	26	8	135/143.4 (MCS11)	10.92	23.98	-13.06
	5260	52	AVG	26	0	135/143.4 (MCS11)	10.83	23.45	-12.62
			AVG	26	4	135/143.4 (MCS11)	11.48	23.45	-11.97
			AVG	26	8	135/143.4 (MCS11)	10.95	23.45	-12.50
	5300	60	AVG	26	0	135/143.4 (MCS11)	10.64	23.45	-12.81
			AVG	26	4	135/143.4 (MCS11)	11.44	23.45	-12.01
			AVG	26	8	135/143.4 (MCS11)	10.86	23.45	-12.59
	5320	64	AVG	26	0	135/143.4 (MCS11)	11.03	23.45	-12.42
			AVG	26	4	135/143.4 (MCS11)	11.50	23.45	-11.95
			AVG	26	8	135/143.4 (MCS11)	11.22	23.45	-12.23
	5500	100	AVG	26	0	135/143.4 (MCS11)	11.03	22.99	-11.96
			AVG	26	4	135/143.4 (MCS11)	11.50	22.99	-11.49
			AVG	26	8	135/143.4 (MCS11)	11.15	22.99	-11.84
	5580	116	AVG	26	0	135/143.4 (MCS11)	10.75	22.99	-12.24
			AVG	26	4	135/143.4 (MCS11)	11.40	22.99	-11.59
			AVG	26	8	135/143.4 (MCS11)	10.97	22.99	-12.02
	5700	140	AVG	26	0	135/143.4 (MCS11)	10.68	22.99	-12.31
			AVG	26	4	135/143.4 (MCS11)	11.32	22.99	-11.67
			AVG	26	8	135/143.4 (MCS11)	11.01	22.99	-11.98
	5720	144	AVG	26	0	135/143.4 (MCS11)	10.76	22.99	-12.23
			AVG	26	4	135/143.4 (MCS11)	11.46	22.99	-11.53
			AVG	26	8	135/143.4 (MCS11)	11.13	22.99	-11.86
	5745	149	AVG	26	0	135/143.4 (MCS11)	11.42	30.00	-18.58
			AVG	27	4	135/143.4 (MCS11)	12.00	30.00	-18.00
			AVG	28	8	135/143.4 (MCS11)	11.72	30.00	-18.28
	5785	157	AVG	29	0	135/143.4 (MCS11)	11.25	30.00	-18.75
			AVG	30	4	135/143.4 (MCS11)	11.85	30.00	-18.15
			AVG	31	8	135/143.4 (MCS11)	11.48	30.00	-18.52
	5825	165	AVG	32	0	135/143.4 (MCS11)	11.37	30.00	-18.63
			AVG	33	4	135/143.4 (MCS11)	11.90	30.00	-18.10
			AVG	34	8	135/143.4 (MCS11)	11.43	30.00	-18.57

Table 7-10. FCC Antenna WF8 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (40MHz Bandwidth)	5190	38	AVG	26	0	135/143.4 (MCS11)	10.86	23.98	-13.12
			AVG	26	8	135/143.4 (MCS11)	11.20	23.98	-12.78
			AVG	26	17	135/143.4 (MCS11)	10.60	23.98	-13.38
	5230	46	AVG	26	0	135/143.4 (MCS11)	10.45	23.98	-13.53
			AVG	26	8	135/143.4 (MCS11)	11.45	23.98	-12.53
			AVG	26	17	135/143.4 (MCS11)	10.73	23.98	-13.25
	5270	54	AVG	26	0	135/143.4 (MCS11)	10.32	23.45	-13.13
			AVG	26	8	135/143.4 (MCS11)	11.37	23.45	-12.08
			AVG	26	17	135/143.4 (MCS11)	10.86	23.45	-12.59
	5310	62	AVG	26	0	135/143.4 (MCS11)	10.65	23.45	-12.80
			AVG	26	8	135/143.4 (MCS11)	11.50	23.45	-11.95
			AVG	26	17	135/143.4 (MCS11)	10.99	23.45	-12.46
	5510	102	AVG	26	0	135/143.4 (MCS11)	10.78	22.99	-12.21
			AVG	26	8	135/143.4 (MCS11)	11.50	22.99	-11.49
			AVG	26	17	135/143.4 (MCS11)	10.99	22.99	-12.00
	5590	118	AVG	26	0	135/143.4 (MCS11)	10.55	22.99	-12.44
			AVG	26	8	135/143.4 (MCS11)	11.46	22.99	-11.53
			AVG	26	17	135/143.4 (MCS11)	11.06	22.99	-11.93
	5670	134	AVG	26	0	135/143.4 (MCS11)	10.44	22.99	-12.55
			AVG	26	8	135/143.4 (MCS11)	11.43	22.99	-11.56
			AVG	26	17	135/143.4 (MCS11)	11.01	22.99	-11.98
	5710	142	AVG	26	0	135/143.4 (MCS11)	10.49	22.99	-12.50
			AVG	26	8	135/143.4 (MCS11)	11.44	22.99	-11.55
			AVG	26	17	135/143.4 (MCS11)	11.92	22.99	-11.07
	5755	151	AVG	26	0	135/143.4 (MCS11)	11.10	30.00	-18.90
			AVG	26	8	135/143.4 (MCS11)	12.00	30.00	-18.00
			AVG	26	17	135/143.4 (MCS11)	11.69	30.00	-18.31
	5795	159	AVG	26	0	135/143.4 (MCS11)	11.18	30.00	-18.82
			AVG	26	8	135/143.4 (MCS11)	12.00	30.00	-18.00
			AVG	26	17	135/143.4 (MCS11)	11.38	30.00	-18.62

Table 7-11. FCC Antenna WF8 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (80MHz Bandwidth)	5210	42	AVG	26	0	135/143.4 (MCS11)	10.79	23.98	-13.19
			AVG	26	18	135/143.4 (MCS11)	11.44	23.98	-12.54
			AVG	26	36	135/143.4 (MCS11)	10.93	23.98	-13.05
	5290	58	AVG	26	0	135/143.4 (MCS11)	11.03	23.45	-12.42
			AVG	26	18	135/143.4 (MCS11)	11.39	23.45	-12.06
			AVG	26	36	135/143.4 (MCS11)	10.67	23.45	-12.78
	5530	106	AVG	26	0	135/143.4 (MCS11)	11.05	22.99	-11.94
			AVG	26	18	135/143.4 (MCS11)	11.48	22.99	-11.51
			AVG	26	36	135/143.4 (MCS11)	11.15	22.99	-11.84
	5610	122	AVG	26	0	135/143.4 (MCS11)	11.08	22.99	-11.91
			AVG	26	18	135/143.4 (MCS11)	11.42	22.99	-11.57
			AVG	26	36	135/143.4 (MCS11)	11.49	22.99	-11.50
	5690	138	AVG	26	0	135/143.4 (MCS11)	10.88	22.99	-12.11
			AVG	26	18	135/143.4 (MCS11)	11.41	22.99	-11.58
			AVG	26	36	135/143.4 (MCS11)	11.19	22.99	-11.80
	5775	155	AVG	26	0	135/143.4 (MCS11)	11.22	30.00	-18.78
			AVG	26	18	135/143.4 (MCS11)	11.80	30.00	-18.20
			AVG	26	36	135/143.4 (MCS11)	11.54	30.00	-18.46

Table 7-12. FCC Antenna WF8 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

ISED Antenna WF8 Conducted Output Power Measurements (RU26)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (20MHz Bandwidth)	5180	36	AVG	26	0	135/143.4 (MCS11)	6.47	-	-	3.40	9.87	22.46	-12.59
			AVG	26	4	135/143.4 (MCS11)	6.99	-	-	3.40	10.39	22.46	-12.07
			AVG	26	8	135/143.4 (MCS11)	6.54	-	-	3.40	9.94	22.46	-12.52
	5200	40	AVG	26	0	135/143.4 (MCS11)	6.50	-	-	3.40	9.90	22.46	-12.56
			AVG	26	4	135/143.4 (MCS11)	6.99	-	-	3.40	10.39	22.46	-12.07
			AVG	26	8	135/143.4 (MCS11)	6.58	-	-	3.40	9.98	22.46	-12.48
	5240	48	AVG	26	0	135/143.4 (MCS11)	6.31	-	-	3.40	9.71	22.46	-12.75
			AVG	26	4	135/143.4 (MCS11)	6.83	-	-	3.40	10.23	22.46	-12.23
			AVG	26	8	135/143.4 (MCS11)	6.42	-	-	3.40	9.82	22.46	-12.64
	5260	52	AVG	26	0	135/143.4 (MCS11)	10.83	23.45	-12.62	3.40	14.23	29.45	-15.22
			AVG	26	4	135/143.4 (MCS11)	11.48	23.45	-11.97	3.40	14.88	29.45	-14.57
			AVG	26	8	135/143.4 (MCS11)	10.95	23.45	-12.50	3.40	14.35	29.45	-15.10
	5300	60	AVG	26	0	135/143.4 (MCS11)	10.64	23.45	-12.81	3.40	14.04	29.45	-15.41
			AVG	26	4	135/143.4 (MCS11)	11.44	23.45	-12.01	3.40	14.84	29.45	-14.61
			AVG	26	8	135/143.4 (MCS11)	10.86	23.45	-12.59	3.40	14.26	29.45	-15.19
	5320	64	AVG	26	0	135/143.4 (MCS11)	11.03	23.45	-12.42	3.40	14.43	29.45	-15.02
			AVG	26	4	135/143.4 (MCS11)	11.50	23.45	-11.95	3.40	14.90	29.45	-14.55
			AVG	26	8	135/143.4 (MCS11)	11.22	23.45	-12.23	3.40	14.62	29.45	-14.83
	5500	100	AVG	26	0	135/143.4 (MCS11)	11.03	22.99	-11.96	3.90	14.93	28.99	-14.06
			AVG	26	4	135/143.4 (MCS11)	11.50	22.99	-11.49	3.90	15.40	28.99	-13.59
			AVG	26	8	135/143.4 (MCS11)	11.15	22.99	-11.84	3.90	15.05	28.99	-13.94
	5580	116	AVG	26	0	135/143.4 (MCS11)	10.75	22.99	-12.24	3.90	14.65	28.99	-14.34
			AVG	26	4	135/143.4 (MCS11)	11.40	22.99	-11.59	3.90	15.30	28.99	-13.69
			AVG	26	8	135/143.4 (MCS11)	10.97	22.99	-12.02	3.90	14.87	28.99	-14.12
	5700	140	AVG	26	0	135/143.4 (MCS11)	10.68	22.99	-12.31	3.90	14.58	28.99	-14.41
			AVG	26	4	135/143.4 (MCS11)	11.32	22.99	-11.67	3.90	15.22	28.99	-13.77
			AVG	26	8	135/143.4 (MCS11)	11.01	22.99	-11.98	3.90	14.91	28.99	-14.08
	5720	144	AVG	26	0	135/143.4 (MCS11)	10.76	22.99	-12.23	3.90	14.66	28.99	-14.33
			AVG	26	4	135/143.4 (MCS11)	11.46	22.99	-11.53	3.90	15.36	28.99	-13.63
			AVG	26	8	135/143.4 (MCS11)	11.13	22.99	-11.86	3.90	15.03	28.99	-13.96
	5745	149	AVG	26	0	135/143.4 (MCS11)	11.42	30.00	-18.58	3.70	15.12	-	-
			AVG	27	4	135/143.4 (MCS11)	12.00	30.00	-18.00	3.70	15.70	-	-
			AVG	28	8	135/143.4 (MCS11)	11.72	30.00	-18.28	3.70	15.42	-	-
	5785	157	AVG	29	0	135/143.4 (MCS11)	11.25	30.00	-18.75	3.70	14.95	-	-
			AVG	30	4	135/143.4 (MCS11)	11.85	30.00	-18.15	3.70	15.55	-	-
			AVG	31	8	135/143.4 (MCS11)	11.48	30.00	-18.52	3.70	15.18	-	-
	5825	165	AVG	32	0	135/143.4 (MCS11)	11.37	30.00	-18.63	3.70	15.07	-	-
			AVG	33	4	135/143.4 (MCS11)	11.90	30.00	-18.10	3.70	15.60	-	-
			AVG	34	8	135/143.4 (MCS11)	11.43	30.00	-18.57	3.70	15.13	-	-

Table 7-13. ISED Antenna WF8 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (40MHz Bandwidth)	5190	38	AVG	26	0	135/143.4 (MCS11)	6.13	-	-	3.40	9.53	22.46	-12.93
			AVG	26	8	135/143.4 (MCS11)	7.00	-	-	3.40	10.40	22.46	-12.06
			AVG	26	17	135/143.4 (MCS11)	6.50	-	-	3.40	9.90	22.46	-12.56
	5230	46	AVG	26	0	135/143.4 (MCS11)	6.11	-	-	3.40	9.51	22.46	-12.95
			AVG	26	8	135/143.4 (MCS11)	7.00	-	-	3.40	10.40	22.46	-12.06
			AVG	26	17	135/143.4 (MCS11)	6.25	-	-	3.40	9.65	22.46	-12.81
	5270	54	AVG	26	0	135/143.4 (MCS11)	10.32	23.45	-13.13	3.40	13.72	29.45	-15.73
			AVG	26	8	135/143.4 (MCS11)	11.37	23.45	-12.08	3.40	14.77	29.45	-14.68
			AVG	26	17	135/143.4 (MCS11)	10.86	23.45	-12.59	3.40	14.26	29.45	-15.19
	5310	62	AVG	26	0	135/143.4 (MCS11)	10.65	23.45	-12.80	3.40	14.05	29.45	-15.40
			AVG	26	8	135/143.4 (MCS11)	11.50	23.45	-11.95	3.40	14.90	29.45	-14.55
			AVG	26	17	135/143.4 (MCS11)	10.99	23.45	-12.46	3.40	14.39	29.45	-15.06
	5510	102	AVG	26	0	135/143.4 (MCS11)	10.78	22.99	-12.21	3.90	14.68	28.99	-14.31
			AVG	26	8	135/143.4 (MCS11)	11.50	22.99	-11.49	3.90	15.40	28.99	-13.59
			AVG	26	17	135/143.4 (MCS11)	10.99	22.99	-12.00	3.90	14.89	28.99	-14.10
	5550	110	AVG	26	0	135/143.4 (MCS11)	10.46	22.99	-12.53	3.90	14.36	28.99	-14.63
			AVG	26	8	135/143.4 (MCS11)	11.40	22.99	-11.59	3.90	15.30	28.99	-13.69
			AVG	26	17	135/143.4 (MCS11)	10.89	22.99	-12.10	3.90	14.79	28.99	-14.20
	5710	142	AVG	26	0	135/143.4 (MCS11)	10.49	22.99	-12.50	3.90	14.39	28.99	-14.60
			AVG	26	8	135/143.4 (MCS11)	11.44	22.99	-11.55	3.90	15.34	28.99	-13.65
			AVG	26	17	135/143.4 (MCS11)	11.92	22.99	-11.07	3.90	15.82	28.99	-13.17
	5755	151	AVG	26	0	135/143.4 (MCS11)	11.10	30.00	-18.90	3.70	14.80	-	-
			AVG	26	8	135/143.4 (MCS11)	12.00	30.00	-18.00	3.70	15.70	-	-
			AVG	26	17	135/143.4 (MCS11)	11.69	30.00	-18.31	3.70	15.39	-	-
	5795	159	AVG	26	0	135/143.4 (MCS11)	11.18	30.00	-18.82	3.70	14.88	-	-
			AVG	26	8	135/143.4 (MCS11)	12.00	30.00	-18.00	3.70	15.70	-	-
			AVG	26	17	135/143.4 (MCS11)	11.38	30.00	-18.62	3.70	15.08	-	-

Table 7-14. ISED Antenna WF8 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (80MHz Bandwidth)	5210	42	AVG	26	0	135/143.4 (MCS11)	6.20	-	-	3.40	9.60	22.46	-12.86
			AVG	26	18	135/143.4 (MCS11)	6.95	-	-	3.40	10.35	22.46	-12.11
			AVG	26	36	135/143.4 (MCS11)	6.54	-	-	3.40	9.94	22.46	-12.52
	5290	58	AVG	26	0	135/143.4 (MCS11)	11.03	23.45	-12.42	3.40	14.43	29.45	-15.02
			AVG	26	18	135/143.4 (MCS11)	11.39	23.45	-12.06	3.40	14.79	29.45	-14.66
			AVG	26	36	135/143.4 (MCS11)	10.67	23.45	-12.78	3.40	14.07	29.45	-15.38
	5530	106	AVG	26	0	135/143.4 (MCS11)	11.05	22.99	-11.94	3.90	14.95	28.99	-14.04
			AVG	26	18	135/143.4 (MCS11)	11.48	22.99	-11.51	3.90	15.38	28.99	-13.61
			AVG	26	36	135/143.4 (MCS11)	11.15	22.99	-11.84	3.90	15.05	28.99	-13.94
	5690	138	AVG	26	0	135/143.4 (MCS11)	10.88	22.99	-12.11	3.90	14.78	28.99	-14.21
			AVG	26	18	135/143.4 (MCS11)	11.41	22.99	-11.58	3.90	15.31	28.99	-13.68
			AVG	26	36	135/143.4 (MCS11)	11.19	22.99	-11.80	3.90	15.09	28.99	-13.90
	5775	155	AVG	26	0	135/143.4 (MCS11)	11.22	30.00	-18.78	3.70	14.92	-	-
			AVG	26	18	135/143.4 (MCS11)	11.80	30.00	-18.20	3.70	15.50	-	-
			AVG	26	36	135/143.4 (MCS11)	11.54	30.00	-18.46	3.70	15.24	-	-

Table 7-15. ISED Antenna WF8 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC Antenna WF8 Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (20MHz Bandwidth)	5180	36	AVG	106	53	135/143.4 (MCS11)	15.70	23.98	-8.28
			AVG	106	54	135/143.4 (MCS11)	16.00	23.98	-7.98
	5200	40	AVG	106	53	135/143.4 (MCS11)	17.50	23.98	-6.48
			AVG	106	54	135/143.4 (MCS11)	17.50	23.98	-6.48
	5240	48	AVG	106	53	135/143.4 (MCS11)	17.32	23.98	-6.66
			AVG	106	54	135/143.4 (MCS11)	17.29	23.98	-6.69
	5260	52	AVG	106	53	135/143.4 (MCS11)	17.32	23.45	-6.13
			AVG	106	54	135/143.4 (MCS11)	17.43	23.45	-6.02
	5300	60	AVG	106	53	135/143.4 (MCS11)	17.50	23.45	-5.95
			AVG	106	54	135/143.4 (MCS11)	17.50	23.45	-5.95
	5320	64	AVG	106	53	135/143.4 (MCS11)	15.93	23.45	-7.52
			AVG	106	54	135/143.4 (MCS11)	15.99	23.45	-7.46
	5500	100	AVG	106	53	135/143.4 (MCS11)	15.41	22.99	-7.58
			AVG	106	54	135/143.4 (MCS11)	15.50	22.99	-7.49
	5520	104	AVG	106	53	135/143.4 (MCS11)	17.38	22.99	-5.61
			AVG	106	54	135/143.4 (MCS11)	17.45	22.99	-5.54
	5580	116	AVG	106	53	135/143.4 (MCS11)	17.21	22.99	-5.78
			AVG	106	54	135/143.4 (MCS11)	17.32	22.99	-5.67
	5680	136	AVG	106	53	135/143.4 (MCS11)	17.26	22.99	-5.73
			AVG	106	54	135/143.4 (MCS11)	17.50	22.99	-5.49
	5700	140	AVG	106	53	135/143.4 (MCS11)	12.69	22.99	-10.30
			AVG	106	54	135/143.4 (MCS11)	12.89	22.99	-10.10
	5720	144	AVG	106	53	135/143.4 (MCS11)	17.38	22.99	-5.61
			AVG	106	54	135/143.4 (MCS11)	17.50	22.99	-5.49
	5745	149	AVG	106	53	135/143.4 (MCS11)	17.72	30.00	-12.28
			AVG	106	54	135/143.4 (MCS11)	17.93	30.00	-12.07
	5785	157	AVG	106	53	135/143.4 (MCS11)	17.85	30.00	-12.15
			AVG	106	54	135/143.4 (MCS11)	17.96	30.00	-12.04
	5825	165	AVG	106	53	135/143.4 (MCS11)	17.81	30.00	-12.19
			AVG	106	54	135/143.4 (MCS11)	17.90	30.00	-12.10

Table 7-16. FCC Antenna WF8 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (40MHz Bandwidth)	5190	38	AVG	242	61	135/143.4 (MCS11)	12.70	23.98	-11.28
			AVG	242	62	135/143.4 (MCS11)	12.88	23.98	-11.10
	5230	46	AVG	242	61	135/143.4 (MCS11)	19.78	23.98	-4.20
			AVG	242	62	135/143.4 (MCS11)	19.92	23.98	-4.06
	5270	54	AVG	242	61	135/143.4 (MCS11)	19.78	23.45	-3.67
			AVG	242	62	135/143.4 (MCS11)	19.84	23.45	-3.61
	5310	62	AVG	242	61	135/143.4 (MCS11)	13.50	23.45	-9.95
			AVG	242	62	135/143.4 (MCS11)	13.40	23.45	-10.05
	5510	102	AVG	242	61	135/143.4 (MCS11)	12.28	22.99	-10.71
			AVG	242	62	135/143.4 (MCS11)	12.41	22.99	-10.58
	5550	110	AVG	242	61	135/143.4 (MCS11)	19.70	22.99	-3.29
			AVG	242	62	135/143.4 (MCS11)	19.75	22.99	-3.24
	5590	118	AVG	242	61	135/143.4 (MCS11)	19.72	22.99	-3.27
			AVG	242	62	135/143.4 (MCS11)	19.90	22.99	-3.09
	5630	126	AVG	242	61	135/143.4 (MCS11)	19.79	22.99	-3.20
			AVG	242	62	135/143.4 (MCS11)	19.87	22.99	-3.12
	5670	134	AVG	242	61	135/143.4 (MCS11)	14.66	22.99	-8.33
			AVG	242	62	135/143.4 (MCS11)	14.88	22.99	-8.11
	5710	142	AVG	106	53	135/143.4 (MCS11)	16.80	22.99	-6.19
			AVG	106	54	135/143.4 (MCS11)	17.42	22.99	-5.57
			AVG	106	56	135/143.4 (MCS11)	17.12	22.99	-5.87
	5755	151	AVG	242	61	135/143.4 (MCS11)	20.16	30.00	-9.84
			AVG	242	62	135/143.4 (MCS11)	20.40	30.00	-9.60
	5795	159	AVG	242	61	135/143.4 (MCS11)	20.82	30.00	-9.18
			AVG	242	62	135/143.4 (MCS11)	20.94	30.00	-9.06

Table 7-17. FCC Antenna WF8 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (80MHz Bandwidth)	5210	42	AVG	484	65	135/143.4 (MCS11)	11.18	23.98	-12.80
			AVG	484	66	135/143.4 (MCS11)	11.32	23.98	-12.66
	5290	58	AVG	484	65	135/143.4 (MCS11)	12.41	23.45	-11.04
			AVG	484	66	135/143.4 (MCS11)	12.27	23.45	-11.18
	5530	106	AVG	484	65	135/143.4 (MCS11)	12.31	22.99	-10.68
			AVG	484	66	135/143.4 (MCS11)	12.50	22.99	-10.49
	5610	122	AVG	484	65	135/143.4 (MCS11)	16.71	22.99	-6.28
			AVG	484	66	135/143.4 (MCS11)	17.00	22.99	-5.99
	5690	138	AVG	106	53	135/143.4 (MCS11)	17.04	22.99	-5.95
			AVG	106	56	135/143.4 (MCS11)	17.40	22.99	-5.59
			AVG	106	60	135/143.4 (MCS11)	17.41	22.99	-5.58
	5775	155	AVG	484	65	135/143.4 (MCS11)	16.70	30.00	-13.30
			AVG	484	66	135/143.4 (MCS11)	16.75	30.00	-13.25

Table 7-18. FCC Antenna WF8 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

ISED Antenna WF8 Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (20MHz Bandwidth)	5180	36	AVG	106	53	135/143.4 (MCS11)	13.00	-	-	3.40	16.40	22.46	-6.06
			AVG	106	54	135/143.4 (MCS11)	13.00	-	-	3.40	16.40	22.46	-6.06
	5200	40	AVG	106	53	135/143.4 (MCS11)	13.00	-	-	3.40	16.40	22.46	-6.06
			AVG	106	54	135/143.4 (MCS11)	12.98	-	-	3.40	16.38	22.46	-6.08
	5240	48	AVG	106	53	135/143.4 (MCS11)	12.86	-	-	3.40	16.26	22.46	-6.20
			AVG	106	54	135/143.4 (MCS11)	12.96	-	-	3.40	16.36	22.46	-6.10
	5260	52	AVG	106	53	135/143.4 (MCS11)	17.32	23.45	-6.13	3.40	20.72	29.45	-8.73
			AVG	106	54	135/143.4 (MCS11)	17.43	23.45	-6.02	3.40	20.83	29.45	-8.62
	5300	60	AVG	106	53	135/143.4 (MCS11)	17.50	23.45	-5.95	3.40	20.90	29.45	-8.55
			AVG	106	54	135/143.4 (MCS11)	17.50	23.45	-5.95	3.40	20.90	29.45	-8.55
	5320	64	AVG	106	53	135/143.4 (MCS11)	15.93	23.45	-7.52	3.40	19.33	29.45	-10.12
			AVG	106	54	135/143.4 (MCS11)	15.99	23.45	-7.46	3.40	19.39	29.45	-10.06
	5500	100	AVG	106	53	135/143.4 (MCS11)	15.41	22.99	-7.58	3.90	19.31	28.99	-9.68
			AVG	106	54	135/143.4 (MCS11)	15.50	22.99	-7.49	3.90	19.40	28.99	-9.59
	5520	104	AVG	106	53	135/143.4 (MCS11)	17.38	22.99	-5.61	3.90	21.28	28.99	-7.71
			AVG	106	54	135/143.4 (MCS11)	17.45	22.99	-5.54	3.90	21.35	28.99	-7.64
	5580	116	AVG	106	53	135/143.4 (MCS11)	17.21	22.99	-5.78	3.90	21.11	28.99	-7.88
			AVG	106	54	135/143.4 (MCS11)	17.32	22.99	-5.67	3.90	21.22	28.99	-7.77
	5680	136	AVG	106	53	135/143.4 (MCS11)	17.26	22.99	-5.73	3.90	21.16	28.99	-7.83
			AVG	106	54	135/143.4 (MCS11)	17.50	22.99	-5.49	3.90	21.40	28.99	-7.59
	5700	140	AVG	106	53	135/143.4 (MCS11)	12.69	22.99	-10.30	3.90	16.59	28.99	-12.40
			AVG	106	54	135/143.4 (MCS11)	12.89	22.99	-10.10	3.90	16.79	28.99	-12.20
	5720	144	AVG	106	53	135/143.4 (MCS11)	17.38	22.99	-5.61	3.90	21.28	28.99	-7.71
			AVG	106	54	135/143.4 (MCS11)	17.50	22.99	-5.49	3.90	21.40	28.99	-7.59
	5745	149	AVG	106	53	135/143.4 (MCS11)	17.72	30.00	-12.28	3.70	21.42	-	-
			AVG	106	54	135/143.4 (MCS11)	17.93	30.00	-12.07	3.70	21.63	-	-
	5785	157	AVG	106	53	135/143.4 (MCS11)	17.85	30.00	-12.15	3.70	21.55	-	-
			AVG	106	54	135/143.4 (MCS11)	17.96	30.00	-12.04	3.70	21.66	-	-
	5825	165	AVG	106	53	135/143.4 (MCS11)	17.81	30.00	-12.19	3.70	21.51	-	-
			AVG	106	54	135/143.4 (MCS11)	17.90	30.00	-12.10	3.70	21.60	-	-

Table 7-19. ISED Antenna WF8 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (40MHz Bandwidth)	5190	38	AVG	242	61	135/143.4 (MCS11)	12.70	-	-	3.40	16.10	22.46	-6.36
			AVG	242	62	135/143.4 (MCS11)	12.88	-	-	3.40	16.28	22.46	-6.18
	5230	46	AVG	242	61	135/143.4 (MCS11)	14.91	-	-	3.40	18.31	22.46	-4.15
			AVG	242	62	135/143.4 (MCS11)	14.97	-	-	3.40	18.37	22.46	-4.09
	5270	54	AVG	242	61	135/143.4 (MCS11)	19.78	23.45	-3.67	3.40	23.18	29.45	-6.27
			AVG	242	62	135/143.4 (MCS11)	19.84	23.45	-3.61	3.40	23.24	29.45	-6.21
	5310	62	AVG	242	61	135/143.4 (MCS11)	13.50	23.45	-9.95	3.40	16.90	29.45	-12.55
			AVG	242	62	135/143.4 (MCS11)	13.40	23.45	-10.05	3.40	16.80	29.45	-12.65
	5510	102	AVG	242	61	135/143.4 (MCS11)	12.28	22.99	-10.71	3.90	16.18	28.99	-12.81
			AVG	242	62	135/143.4 (MCS11)	12.41	22.99	-10.58	3.90	16.31	28.99	-12.68
	5550	110	AVG	242	61	135/143.4 (MCS11)	19.70	22.99	-3.29	3.90	23.60	28.99	-5.39
			AVG	242	62	135/143.4 (MCS11)	19.75	22.99	-3.24	3.90	23.65	28.99	-5.34
	5670	134	AVG	242	61	135/143.4 (MCS11)	14.66	22.99	-8.33	3.90	18.56	28.99	-10.43
			AVG	242	62	135/143.4 (MCS11)	14.88	22.99	-8.11	3.90	18.78	28.99	-10.21
	5710	142	AVG	106	53	135/143.4 (MCS11)	16.80	22.99	-6.19	3.90	20.70	28.99	-8.29
			AVG	106	54	135/143.4 (MCS11)	17.42	22.99	-5.57	3.90	21.32	28.99	-7.67
			AVG	106	56	135/143.4 (MCS11)	17.12	22.99	-5.87	3.90	21.02	28.99	-7.97
	5755	151	AVG	242	61	135/143.4 (MCS11)	20.16	30.00	-9.84	3.70	23.86	-	-
			AVG	242	62	135/143.4 (MCS11)	20.40	30.00	-9.60	3.70	24.10	-	-
	5795	159	AVG	242	61	135/143.4 (MCS11)	20.82	30.00	-9.18	3.70	24.52	-	-
			AVG	242	62	135/143.4 (MCS11)	20.94	30.00	-9.06	3.70	24.64	-	-

Table 7-20. ISED Antenna WF8 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	AVG	484	65	135/143.4 (MCS11)	11.18	-	-	3.40	14.58	22.46	-7.88
			AVG	484	66	135/143.4 (MCS11)	11.32	-	-	3.40	14.72	22.46	-7.74
	5290	58	AVG	484	65	135/143.4 (MCS11)	12.41	23.45	-11.04	3.40	15.81	29.45	-13.64
			AVG	484	66	135/143.4 (MCS11)	12.27	23.45	-11.18	3.40	15.67	29.45	-13.78
	5530	106	AVG	484	65	135/143.4 (MCS11)	12.31	22.99	-10.68	3.90	16.21	28.99	-12.78
			AVG	484	66	135/143.4 (MCS11)	12.50	22.99	-10.49	3.90	16.40	28.99	-12.59
	5690	138	AVG	106	53	135/143.4 (MCS11)	17.04	22.99	-5.95	3.90	20.94	28.99	-8.05
			AVG	106	56	135/143.4 (MCS11)	17.40	22.99	-5.59	3.90	21.30	28.99	-7.69
			AVG	106	60	135/143.4 (MCS11)	17.41	22.99	-5.58	3.90	21.31	28.99	-7.68
	5775	155	AVG	484	65	135/143.4 (MCS11)	16.70	30.00	-13.30	3.70	20.40	-	-
			AVG	484	66	135/143.4 (MCS11)	16.75	30.00	-13.25	3.70	20.45	-	-

Table 7-21. ISED Antenna WF8 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

FCC Antenna WF8 Conducted Output Power Measurements (Fully-loaded RU)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (20MHz Bandwidth)	5180	36	AVG	242	61	135/143.4 (MCS11)	15.85	23.98	-8.13
	5200	40	AVG	242	61	135/143.4 (MCS11)	19.91	23.98	-4.07
	5240	48	AVG	242	61	135/143.4 (MCS11)	19.83	23.98	-4.15
	5260	52	AVG	242	61	135/143.4 (MCS11)	19.91	23.45	-3.54
	5300	60	AVG	242	61	135/143.4 (MCS11)	19.99	23.45	-3.46
	5320	64	AVG	242	61	135/143.4 (MCS11)	15.98	23.45	-7.47
	5500	100	AVG	242	61	135/143.4 (MCS11)	15.46	22.99	-7.53
	5520	104	AVG	242	61	135/143.4 (MCS11)	18.50	22.99	-4.49
	5540	108	AVG	242	61	135/143.4 (MCS11)	20.00	22.99	-2.99
	5580	116	AVG	242	61	135/143.4 (MCS11)	19.92	22.99	-3.07
	5660	132	AVG	242	61	135/143.4 (MCS11)	20.00	22.99	-2.99
	5680	136	AVG	242	61	135/143.4 (MCS11)	18.36	22.99	-4.63
	5700	140	AVG	242	61	135/143.4 (MCS11)	13.00	22.99	-9.99
	5720	144	AVG	242	61	135/143.4 (MCS11)	19.95	22.99	-3.04
	5745	149	AVG	242	61	135/143.4 (MCS11)	21.00	30.00	-9.00
	5785	157	AVG	242	61	135/143.4 (MCS11)	20.94	30.00	-9.06
	5825	165	AVG	242	61	135/143.4 (MCS11)	20.94	30.00	-9.06

Table 7-22. FCC Antenna WF8 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (40MHz Bandwidth)	5190	38	AVG	484	65	135/143.4 (MCS11)	13.00	23.98	-10.98
	5230	46	AVG	484	65	135/143.4 (MCS11)	19.84	23.98	-4.14
	5270	54	AVG	484	65	135/143.4 (MCS11)	19.99	23.45	-3.46
	5310	62	AVG	484	65	135/143.4 (MCS11)	13.40	23.45	-10.05
	5510	102	AVG	484	65	135/143.4 (MCS11)	12.18	22.99	-10.81
	5550	110	AVG	484	65	135/143.4 (MCS11)	19.88	22.99	-3.11
	5590	118	AVG	484	65	135/143.4 (MCS11)	20.86	22.99	-2.13
	5630	126	AVG	484	65	135/143.4 (MCS11)	20.92	22.99	-2.07
	5670	134	AVG	484	65	135/143.4 (MCS11)	14.99	22.99	-8.00
	5710	142	AVG	484	65	135/143.4 (MCS11)	21.00	22.99	-1.99
	5755	151	AVG	484	65	135/143.4 (MCS11)	20.36	30.00	-9.64
	5795	159	AVG	484	65	135/143.4 (MCS11)	21.00	30.00	-9.00

Table 7-23. FCC Antenna WF8 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (80MHz Bandwidth)	5210	42	AVG	996	67	135/143.4 (MCS11)	11.48	23.98	-12.50
	5290	58	AVG	996	67	135/143.4 (MCS11)	12.47	23.45	-10.98
	5530	106	AVG	996	67	135/143.4 (MCS11)	12.35	22.99	-10.64
	5610	122	AVG	996	67	135/143.4 (MCS11)	16.75	22.99	-6.24
	5690	138	AVG	996	67	135/143.4 (MCS11)	20.96	22.99	-2.03
	5775	155	AVG	996	67	135/143.4 (MCS11)	16.67	30.00	-13.33

Table 7-24. FCC Antenna WF8 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

ISED Antenna WF8 Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	AVG	242	61	135/143.4 (MCS11)	14.92	-	-	3.40	18.32	22.46	-4.14
	5200	40	AVG	242	61	135/143.4 (MCS11)	14.91	-	-	3.40	18.31	22.46	-4.15
	5240	48	AVG	242	61	135/143.4 (MCS11)	14.89	-	-	3.40	18.29	22.46	-4.17
	5260	52	AVG	242	61	135/143.4 (MCS11)	19.91	23.45	-3.54	3.40	23.31	29.45	-6.14
	5300	60	AVG	242	61	135/143.4 (MCS11)	19.99	23.45	-3.46	3.40	23.39	29.45	-6.06
	5320	64	AVG	242	61	135/143.4 (MCS11)	15.98	23.45	-7.47	3.40	19.38	29.45	-10.07
	5500	100	AVG	242	61	135/143.4 (MCS11)	15.46	22.99	-7.53	3.90	19.36	28.99	-9.63
	5520	104	AVG	242	61	135/143.4 (MCS11)	18.50	22.99	-4.49	3.90	22.40	28.99	-6.59
	5540	108	AVG	242	61	135/143.4 (MCS11)	20.00	22.99	-2.99	3.90	23.90	28.99	-5.09
	5580	116	AVG	242	61	135/143.4 (MCS11)	19.92	22.99	-3.07	3.90	23.82	28.99	-5.17
	5660	132	AVG	242	61	135/143.4 (MCS11)	20.00	22.99	-2.99	3.90	23.90	28.99	-5.09
	5680	136	AVG	242	61	135/143.4 (MCS11)	18.36	22.99	-4.63	3.90	22.26	28.99	-6.73
	5700	140	AVG	242	61	135/143.4 (MCS11)	13.00	22.99	-9.99	3.90	16.90	28.99	-12.09
	5720	144	AVG	242	61	135/143.4 (MCS11)	19.95	22.99	-3.04	3.90	23.85	28.99	-5.14
	5745	149	AVG	242	61	135/143.4 (MCS11)	21.00	30.00	-9.00	3.70	24.70	-	-
	5785	157	AVG	242	61	135/143.4 (MCS11)	20.94	30.00	-9.06	3.70	24.64	-	-
	5825	165	AVG	242	61	135/143.4 (MCS11)	20.94	30.00	-9.06	3.70	24.64	-	-

Table 7-25. ISED Antenna WF8 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	AVG	484	65	135/143.4 (MCS11)	13.00	-	-	3.40	16.40	22.46	-6.06
	5230	46	AVG	484	65	135/143.4 (MCS11)	17.50	-	-	3.40	20.90	22.46	-1.56
	5270	54	AVG	484	65	135/143.4 (MCS11)	19.99	23.45	-3.46	3.40	23.39	29.45	-6.06
	5310	62	AVG	484	65	135/143.4 (MCS11)	13.40	23.45	-10.05	3.40	16.80	29.45	-12.65
	5510	102	AVG	484	65	135/143.4 (MCS11)	12.18	22.99	-10.81	3.90	16.08	28.99	-12.91
	5550	110	AVG	484	65	135/143.4 (MCS11)	19.88	22.99	-3.11	3.90	23.78	28.99	-5.21
	5670	134	AVG	484	65	135/143.4 (MCS11)	14.99	22.99	-8.00	3.90	18.89	28.99	-10.10
	5710	142	AVG	484	65	135/143.4 (MCS11)	21.00	22.99	-1.99	3.90	24.90	28.99	-4.09
	5755	151	AVG	484	65	135/143.4 (MCS11)	20.36	30.00	-9.64	3.70	24.06	-	-
	5795	159	AVG	484	65	135/143.4 (MCS11)	21.00	30.00	-9.00	3.70	24.70	-	-

Table 7-26. ISED Antenna WF8 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	AVG	996	67	135/143.4 (MCS11)	11.48	-	-	3.40	14.88	22.46	-7.58
	5290	58	AVG	996	67	135/143.4 (MCS11)	12.47	23.45	-10.98	3.40	15.87	29.45	-13.58
	5530	106	AVG	996	67	135/143.4 (MCS11)	12.35	22.99	-10.64	3.90	16.25	28.99	-12.74
	5690	138	AVG	996	67	135/143.4 (MCS11)	20.96	22.99	-2.03	3.90	24.86	28.99	-4.13
	5775	155	AVG	996	67	135/143.4 (MCS11)	16.67	30.00	-13.33	3.70	20.37	-	-

Table 7-27. ISED Antenna WF8 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

FCC Antenna WF7a Conducted Output Power Measurements (RU26)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (20MHz Bandwidth)	5180	36	AVG	26	0	135/143.4 (MCS11)	11.05	23.98	-12.93
			AVG	26	4	135/143.4 (MCS11)	11.45	23.98	-12.53
			AVG	26	8	135/143.4 (MCS11)	10.91	23.98	-13.07
	5200	40	AVG	26	0	135/143.4 (MCS11)	10.76	23.98	-13.22
			AVG	26	4	135/143.4 (MCS11)	11.45	23.98	-12.53
			AVG	26	8	135/143.4 (MCS11)	10.87	23.98	-13.11
	5240	48	AVG	26	0	135/143.4 (MCS11)	10.99	23.98	-12.99
			AVG	26	4	135/143.4 (MCS11)	11.50	23.98	-12.48
			AVG	26	8	135/143.4 (MCS11)	10.88	23.98	-13.10
	5260	52	AVG	26	0	135/143.4 (MCS11)	10.97	23.45	-12.48
			AVG	26	4	135/143.4 (MCS11)	11.50	23.45	-11.95
			AVG	26	8	135/143.4 (MCS11)	11.05	23.45	-12.40
	5300	60	AVG	26	0	135/143.4 (MCS11)	10.84	23.45	-12.61
			AVG	26	4	135/143.4 (MCS11)	11.40	23.45	-12.05
			AVG	26	8	135/143.4 (MCS11)	11.03	23.45	-12.42
	5320	64	AVG	26	0	135/143.4 (MCS11)	10.83	23.45	-12.62
			AVG	26	4	135/143.4 (MCS11)	11.46	23.45	-11.99
			AVG	26	8	135/143.4 (MCS11)	10.87	23.45	-12.58
	5500	100	AVG	26	0	135/143.4 (MCS11)	11.01	22.99	-11.98
			AVG	26	4	135/143.4 (MCS11)	11.50	22.99	-11.49
			AVG	26	8	135/143.4 (MCS11)	11.06	22.99	-11.93
	5580	116	AVG	26	0	135/143.4 (MCS11)	10.78	22.99	-12.21
			AVG	26	4	135/143.4 (MCS11)	11.32	22.99	-11.67
			AVG	26	8	135/143.4 (MCS11)	10.81	22.99	-12.18
	5700	140	AVG	26	0	135/143.4 (MCS11)	10.88	22.99	-12.11
			AVG	26	4	135/143.4 (MCS11)	11.50	22.99	-11.49
			AVG	26	8	135/143.4 (MCS11)	11.18	22.99	-11.81
	5720	144	AVG	26	0	135/143.4 (MCS11)	10.89	22.99	-12.10
			AVG	26	4	135/143.4 (MCS11)	11.50	22.99	-11.49
			AVG	26	8	135/143.4 (MCS11)	11.15	22.99	-11.84
	5745	149	AVG	26	0	135/143.4 (MCS11)	11.27	30.00	-18.73
			AVG	27	4	135/143.4 (MCS11)	11.93	30.00	-18.07
			AVG	28	8	135/143.4 (MCS11)	11.60	30.00	-18.40
	5785	157	AVG	29	0	135/143.4 (MCS11)	11.48	30.00	-18.52
			AVG	30	4	135/143.4 (MCS11)	12.00	30.00	-18.00
			AVG	31	8	135/143.4 (MCS11)	11.86	30.00	-18.14
	5825	165	AVG	32	0	135/143.4 (MCS11)	11.14	30.00	-18.86
			AVG	33	4	135/143.4 (MCS11)	11.82	30.00	-18.18
			AVG	34	8	135/143.4 (MCS11)	11.53	30.00	-18.47

Table 7-28. FCC Antenna WF7a 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (40MHz Bandwidth)	5190	38	AVG	26	0	135/143.4 (MCS11)	10.66	23.98	-13.32
			AVG	26	8	135/143.4 (MCS11)	11.48	23.98	-12.50
			AVG	26	17	135/143.4 (MCS11)	10.95	23.98	-13.03
	5230	46	AVG	26	0	135/143.4 (MCS11)	10.60	23.98	-13.38
			AVG	26	8	135/143.4 (MCS11)	11.44	23.98	-12.54
			AVG	26	17	135/143.4 (MCS11)	10.75	23.98	-13.23
	5270	54	AVG	26	0	135/143.4 (MCS11)	10.90	23.45	-12.55
			AVG	26	8	135/143.4 (MCS11)	11.50	23.45	-11.95
			AVG	26	17	135/143.4 (MCS11)	10.95	23.45	-12.50
	5310	62	AVG	26	0	135/143.4 (MCS11)	10.76	23.45	-12.69
			AVG	26	8	135/143.4 (MCS11)	11.48	23.45	-11.97
			AVG	26	17	135/143.4 (MCS11)	10.98	23.45	-12.47
	5510	102	AVG	26	0	135/143.4 (MCS11)	10.65	22.99	-12.34
			AVG	26	8	135/143.4 (MCS11)	11.39	22.99	-11.60
			AVG	26	17	135/143.4 (MCS11)	10.83	22.99	-12.16
	5590	118	AVG	26	0	135/143.4 (MCS11)	10.97	22.99	-12.02
			AVG	26	8	135/143.4 (MCS11)	11.45	22.99	-11.54
			AVG	26	17	135/143.4 (MCS11)	11.12	22.99	-11.87
	5670	134	AVG	26	0	135/143.4 (MCS11)	10.63	22.99	-12.36
			AVG	26	8	135/143.4 (MCS11)	11.50	22.99	-11.49
			AVG	26	17	135/143.4 (MCS11)	10.77	22.99	-12.22
	5710	142	AVG	26	0	135/143.4 (MCS11)	10.44	22.99	-12.55
			AVG	26	8	135/143.4 (MCS11)	11.46	22.99	-11.53
			AVG	26	17	135/143.4 (MCS11)	10.94	22.99	-12.05
	5755	151	AVG	26	0	135/143.4 (MCS11)	10.76	30.00	-19.24
			AVG	26	8	135/143.4 (MCS11)	11.91	30.00	-18.09
			AVG	26	17	135/143.4 (MCS11)	11.40	30.00	-18.60
	5795	159	AVG	26	0	135/143.4 (MCS11)	10.99	30.00	-19.01
			AVG	26	8	135/143.4 (MCS11)	11.98	30.00	-18.02
			AVG	26	17	135/143.4 (MCS11)	11.37	30.00	-18.63

Table 7-29. FCC Antenna WF7a 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (80MHz Bandwidth)	5210	42	AVG	26	0	135/143.4 (MCS11)	11.00	23.98	-12.98
			AVG	26	18	135/143.4 (MCS11)	11.45	23.98	-12.53
			AVG	26	36	135/143.4 (MCS11)	11.09	23.98	-12.89
	5290	58	AVG	26	0	135/143.4 (MCS11)	11.19	23.45	-12.26
			AVG	26	18	135/143.4 (MCS11)	11.48	23.45	-11.97
			AVG	26	36	135/143.4 (MCS11)	10.91	23.45	-12.54
	5530	106	AVG	26	0	135/143.4 (MCS11)	10.67	22.99	-12.32
			AVG	26	18	135/143.4 (MCS11)	11.49	22.99	-11.50
			AVG	26	36	135/143.4 (MCS11)	10.94	22.99	-12.05
	5610	122	AVG	26	0	135/143.4 (MCS11)	10.77	22.99	-12.22
			AVG	26	18	135/143.4 (MCS11)	11.49	22.99	-11.50
			AVG	26	36	135/143.4 (MCS11)	10.92	22.99	-12.07
	5690	138	AVG	26	0	135/143.4 (MCS11)	10.76	22.99	-12.23
			AVG	26	18	135/143.4 (MCS11)	11.48	22.99	-11.51
			AVG	26	36	135/143.4 (MCS11)	11.07	22.99	-11.92
	5775	155	AVG	26	0	135/143.4 (MCS11)	11.04	30.00	-18.96
			AVG	26	18	135/143.4 (MCS11)	11.99	30.00	-18.01
			AVG	26	36	135/143.4 (MCS11)	11.41	30.00	-18.59

Table 7-30. FCC Antenna WF7a 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

ISED Antenna WF7a Conducted Output Power Measurements (RU26)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (20MHz Bandwidth)	5180	36	AVG	26	0	135/143.4 (MCS11)	6.28	-	-	4.00	10.28	22.46	-12.18
			AVG	26	4	135/143.4 (MCS11)	6.83	-	-	4.00	10.83	22.46	-11.63
			AVG	26	8	135/143.4 (MCS11)	6.39	-	-	4.00	10.39	22.46	-12.07
	5200	40	AVG	26	0	135/143.4 (MCS11)	6.48	-	-	4.00	10.48	22.46	-11.98
			AVG	26	4	135/143.4 (MCS11)	6.99	-	-	4.00	10.99	22.46	-11.47
			AVG	26	8	135/143.4 (MCS11)	6.56	-	-	4.00	10.56	22.46	-11.90
	5240	48	AVG	26	0	135/143.4 (MCS11)	6.32	-	-	4.00	10.32	22.46	-12.14
			AVG	26	4	135/143.4 (MCS11)	6.93	-	-	4.00	10.93	22.46	-11.53
			AVG	26	8	135/143.4 (MCS11)	6.51	-	-	4.00	10.51	22.46	-11.95
	5260	52	AVG	26	0	135/143.4 (MCS11)	10.97	23.45	-12.48	3.10	14.07	29.45	-15.38
			AVG	26	4	135/143.4 (MCS11)	11.50	23.45	-11.95	3.10	14.60	29.45	-14.85
			AVG	26	8	135/143.4 (MCS11)	11.05	23.45	-12.40	3.10	14.15	29.45	-15.30
	5300	60	AVG	26	0	135/143.4 (MCS11)	10.84	23.45	-12.61	3.10	13.94	29.45	-15.51
			AVG	26	4	135/143.4 (MCS11)	11.40	23.45	-12.05	3.10	14.50	29.45	-14.95
			AVG	26	8	135/143.4 (MCS11)	11.03	23.45	-12.42	3.10	14.13	29.45	-15.32
	5320	64	AVG	26	0	135/143.4 (MCS11)	10.83	23.45	-12.62	3.10	13.93	29.45	-15.52
			AVG	26	4	135/143.4 (MCS11)	11.46	23.45	-11.99	3.10	14.56	29.45	-14.89
			AVG	26	8	135/143.4 (MCS11)	10.87	23.45	-12.58	3.10	13.97	29.45	-15.48
	5500	100	AVG	26	0	135/143.4 (MCS11)	11.01	22.99	-11.98	4.00	15.01	28.99	-13.98
			AVG	26	4	135/143.4 (MCS11)	11.50	22.99	-11.49	4.00	15.50	28.99	-13.49
			AVG	26	8	135/143.4 (MCS11)	11.06	22.99	-11.93	4.00	15.06	28.99	-13.93
	5580	116	AVG	26	0	135/143.4 (MCS11)	10.78	22.99	-12.21	4.00	14.78	28.99	-14.21
			AVG	26	4	135/143.4 (MCS11)	11.32	22.99	-11.67	4.00	15.32	28.99	-13.67
			AVG	26	8	135/143.4 (MCS11)	10.81	22.99	-12.18	4.00	14.81	28.99	-14.18
	5700	140	AVG	26	0	135/143.4 (MCS11)	10.88	22.99	-12.11	4.00	14.88	28.99	-14.11
			AVG	26	4	135/143.4 (MCS11)	11.50	22.99	-11.49	4.00	15.50	28.99	-13.49
			AVG	26	8	135/143.4 (MCS11)	11.18	22.99	-11.81	4.00	15.18	28.99	-13.81
	5720	144	AVG	26	0	135/143.4 (MCS11)	10.89	22.99	-12.10	4.00	14.89	28.99	-14.10
			AVG	26	4	135/143.4 (MCS11)	11.50	22.99	-11.49	4.00	15.50	28.99	-13.49
			AVG	26	8	135/143.4 (MCS11)	11.15	22.99	-11.84	4.00	15.15	28.99	-13.84
	5745	149	AVG	26	0	135/143.4 (MCS11)	11.27	30.00	-18.73	1.20	12.47	-	-
			AVG	27	4	135/143.4 (MCS11)	11.93	30.00	-18.07	1.20	13.13	-	-
			AVG	28	8	135/143.4 (MCS11)	11.60	30.00	-18.40	1.20	12.80	-	-
	5785	157	AVG	29	0	135/143.4 (MCS11)	11.48	30.00	-18.52	1.20	12.68	-	-
			AVG	30	4	135/143.4 (MCS11)	12.00	30.00	-18.00	1.20	13.20	-	-
			AVG	31	8	135/143.4 (MCS11)	11.86	30.00	-18.14	1.20	13.06	-	-
	5825	165	AVG	32	0	135/143.4 (MCS11)	11.14	30.00	-18.86	1.20	12.34	-	-
			AVG	33	4	135/143.4 (MCS11)	11.82	30.00	-18.18	1.20	13.02	-	-
			AVG	34	8	135/143.4 (MCS11)	11.53	30.00	-18.47	1.20	12.73	-	-

Table 7-31. ISED Antenna WF7a 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (40MHz Bandwidth)	5190	38	AVG	26	0	135/143.4 (MCS11)	6.02	-	-	4.00	10.02	22.46	-12.44
			AVG	26	8	135/143.4 (MCS11)	6.94	-	-	4.00	10.94	22.46	-11.52
			AVG	26	17	135/143.4 (MCS11)	6.07	-	-	4.00	10.07	22.46	-12.39
	5230	46	AVG	26	0	135/143.4 (MCS11)	6.18	-	-	4.00	10.18	22.46	-12.28
			AVG	26	8	135/143.4 (MCS11)	7.00	-	-	4.00	11.00	22.46	-11.46
			AVG	26	17	135/143.4 (MCS11)	6.35	-	-	4.00	10.35	22.46	-12.11
	5270	54	AVG	26	0	135/143.4 (MCS11)	10.90	23.45	-12.55	3.10	14.00	29.45	-15.45
			AVG	26	8	135/143.4 (MCS11)	11.50	23.45	-11.95	3.10	14.60	29.45	-14.85
			AVG	26	17	135/143.4 (MCS11)	10.95	23.45	-12.50	3.10	14.05	29.45	-15.40
	5310	62	AVG	26	0	135/143.4 (MCS11)	10.76	23.45	-12.69	3.10	13.86	29.45	-15.59
			AVG	26	8	135/143.4 (MCS11)	11.48	23.45	-11.97	3.10	14.58	29.45	-14.87
			AVG	26	17	135/143.4 (MCS11)	10.98	23.45	-12.47	3.10	14.08	29.45	-15.37
	5510	102	AVG	26	0	135/143.4 (MCS11)	10.65	22.99	-12.34	4.00	14.65	28.99	-14.34
			AVG	26	8	135/143.4 (MCS11)	11.39	22.99	-11.60	4.00	15.39	28.99	-13.60
			AVG	26	17	135/143.4 (MCS11)	10.83	22.99	-12.16	4.00	14.83	28.99	-14.16
	5550	110	AVG	26	0	135/143.4 (MCS11)	10.67	22.99	-12.32	4.00	14.67	28.99	-14.32
			AVG	26	8	135/143.4 (MCS11)	11.49	22.99	-11.50	4.00	15.49	28.99	-13.50
			AVG	26	17	135/143.4 (MCS11)	10.86	22.99	-12.13	4.00	14.86	28.99	-14.13
	5710	142	AVG	26	0	135/143.4 (MCS11)	10.44	22.99	-12.55	4.00	14.44	28.99	-14.55
			AVG	26	8	135/143.4 (MCS11)	11.46	22.99	-11.53	4.00	15.46	28.99	-13.53
			AVG	26	17	135/143.4 (MCS11)	10.94	22.99	-12.05	4.00	14.94	28.99	-14.05
	5755	151	AVG	26	0	135/143.4 (MCS11)	10.76	30.00	-19.24	1.20	11.96	-	-
			AVG	26	8	135/143.4 (MCS11)	11.91	30.00	-18.09	1.20	13.11	-	-
			AVG	26	17	135/143.4 (MCS11)	11.40	30.00	-18.60	1.20	12.60	-	-
	5795	159	AVG	26	0	135/143.4 (MCS11)	10.99	30.00	-19.01	1.20	12.19	-	-
			AVG	26	8	135/143.4 (MCS11)	11.98	30.00	-18.02	1.20	13.18	-	-
			AVG	26	17	135/143.4 (MCS11)	11.37	30.00	-18.63	1.20	12.57	-	-

Table 7-32. ISED Antenna WF7a 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (80MHz Bandwidth)	5210	42	AVG	26	0	135/143.4 (MCS11)	6.68	-	-	4.00	10.68	22.46	-11.78
			AVG	26	18	135/143.4 (MCS11)	7.00	-	-	4.00	11.00	22.46	-11.46
			AVG	26	36	135/143.4 (MCS11)	6.59	-	-	4.00	10.59	22.46	-11.87
	5290	58	AVG	26	0	135/143.4 (MCS11)	11.19	23.45	-12.26	3.10	14.29	29.45	-15.16
			AVG	26	18	135/143.4 (MCS11)	11.48	23.45	-11.97	3.10	14.58	29.45	-14.87
			AVG	26	36	135/143.4 (MCS11)	10.91	23.45	-12.54	3.10	14.01	29.45	-15.44
	5530	106	AVG	26	0	135/143.4 (MCS11)	10.67	22.99	-12.32	4.00	14.67	28.99	-14.32
			AVG	26	18	135/143.4 (MCS11)	11.49	22.99	-11.50	4.00	15.49	28.99	-13.50
			AVG	26	36	135/143.4 (MCS11)	10.94	22.99	-12.05	4.00	14.94	28.99	-14.05
	5690	138	AVG	26	0	135/143.4 (MCS11)	10.76	22.99	-12.23	4.00	14.76	28.99	-14.23
			AVG	26	18	135/143.4 (MCS11)	11.48	22.99	-11.51	4.00	15.48	28.99	-13.51
			AVG	26	36	135/143.4 (MCS11)	11.07	22.99	-11.92	4.00	15.07	28.99	-13.92
	5775	155	AVG	26	0	135/143.4 (MCS11)	11.04	30.00	-18.96	1.20	12.24	-	-
			AVG	26	18	135/143.4 (MCS11)	11.99	30.00	-18.01	1.20	13.19	-	-
			AVG	26	36	135/143.4 (MCS11)	11.41	30.00	-18.59	1.20	12.61	-	-

Table 7-33. ISED Antenna WF7a 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC Antenna WF7a Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
5GHz (20MHz Bandwidth)	5180	36	AVG	106	53	135/143.4 (MCS11)	15.90	23.98	-8.08
			AVG	106	54	135/143.4 (MCS11)	15.96	23.98	-8.02
	5200	40	AVG	106	53	135/143.4 (MCS11)	17.45	23.98	-6.53
			AVG	106	54	135/143.4 (MCS11)	17.50	23.98	-6.48
	5240	48	AVG	106	53	135/143.4 (MCS11)	17.50	23.98	-6.48
			AVG	106	54	135/143.4 (MCS11)	17.40	23.98	-6.58
	5260	52	AVG	106	53	135/143.4 (MCS11)	17.40	23.45	-6.05
			AVG	106	54	135/143.4 (MCS11)	17.47	23.45	-5.98
	5300	60	AVG	106	53	135/143.4 (MCS11)	17.27	23.45	-6.18
			AVG	106	54	135/143.4 (MCS11)	17.44	23.45	-6.01
	5320	64	AVG	106	53	135/143.4 (MCS11)	16.00	23.45	-7.45
			AVG	106	54	135/143.4 (MCS11)	16.00	23.45	-7.45
	5500	100	AVG	106	53	135/143.4 (MCS11)	15.35	22.99	-7.64
			AVG	106	54	135/143.4 (MCS11)	15.45	22.99	-7.54
	5520	104	AVG	106	53	135/143.4 (MCS11)	17.40	22.99	-5.59
			AVG	106	54	135/143.4 (MCS11)	17.50	22.99	-5.49
	5580	116	AVG	106	53	135/143.4 (MCS11)	17.46	22.99	-5.53
			AVG	106	54	135/143.4 (MCS11)	17.49	22.99	-5.50
	5680	136	AVG	106	53	135/143.4 (MCS11)	17.44	22.99	-5.55
			AVG	106	54	135/143.4 (MCS11)	17.50	22.99	-5.49
	5700	140	AVG	106	53	135/143.4 (MCS11)	12.85	22.99	-10.14
			AVG	106	54	135/143.4 (MCS11)	12.95	22.99	-10.04
	5720	144	AVG	106	53	135/143.4 (MCS11)	17.36	22.99	-5.63
			AVG	106	54	135/143.4 (MCS11)	17.50	22.99	-5.49
	5745	149	AVG	106	53	135/143.4 (MCS11)	17.85	30.00	-12.15
			AVG	106	54	135/143.4 (MCS11)	17.99	30.00	-12.01
	5785	157	AVG	106	53	135/143.4 (MCS11)	17.79	30.00	-12.21
			AVG	106	54	135/143.4 (MCS11)	17.99	30.00	-12.01
	5825	165	AVG	106	53	135/143.4 (MCS11)	17.80	30.00	-12.20
			AVG	106	54	135/143.4 (MCS11)	17.98	30.00	-12.02

Table 7-34. FCC Antenna WF7a 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	AVG	242	61	135/143.4 (MCS11)	12.96	23.98	-11.02
			AVG	242	62	135/143.4 (MCS11)	13.00	23.98	-10.98
	5230	46	AVG	242	61	135/143.4 (MCS11)	19.93	23.98	-4.05
			AVG	242	62	135/143.4 (MCS11)	20.00	23.98	-3.98
	5270	54	AVG	242	61	135/143.4 (MCS11)	19.77	23.45	-3.68
			AVG	242	62	135/143.4 (MCS11)	19.83	23.45	-3.62
	5310	62	AVG	242	61	135/143.4 (MCS11)	13.46	23.45	-9.99
			AVG	242	62	135/143.4 (MCS11)	13.49	23.45	-9.96
	5510	102	AVG	242	61	135/143.4 (MCS11)	12.26	22.99	-10.73
			AVG	242	62	135/143.4 (MCS11)	12.44	22.99	-10.55
	5550	110	AVG	242	61	135/143.4 (MCS11)	19.86	22.99	-3.13
			AVG	242	62	135/143.4 (MCS11)	20.00	22.99	-2.99
	5590	118	AVG	242	61	135/143.4 (MCS11)	19.85	22.99	-3.14
			AVG	242	62	135/143.4 (MCS11)	20.00	22.99	-2.99
	5630	126	AVG	242	61	135/143.4 (MCS11)	19.86	22.99	-3.13
			AVG	242	62	135/143.4 (MCS11)	20.00	22.99	-2.99
	5670	134	AVG	242	61	135/143.4 (MCS11)	14.76	22.99	-8.23
			AVG	242	62	135/143.4 (MCS11)	14.98	22.99	-8.01
	5710	142	AVG	106	53	135/143.4 (MCS11)	16.77	22.99	-6.22
			AVG	106	54	135/143.4 (MCS11)	17.36	22.99	-5.63
			AVG	106	56	135/143.4 (MCS11)	17.04	22.99	-5.95
	5755	151	AVG	242	61	135/143.4 (MCS11)	20.44	30.00	-9.56
			AVG	242	62	135/143.4 (MCS11)	20.41	30.00	-9.59
	5795	159	AVG	242	61	135/143.4 (MCS11)	20.93	30.00	-9.07
			AVG	242	62	135/143.4 (MCS11)	20.99	30.00	-9.01

Table 7-35. FCC Antenna WF7a 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	AVG	484	65	135/143.4 (MCS11)	11.17	23.98	-12.81
			AVG	484	66	135/143.4 (MCS11)	11.34	23.98	-12.64
	5290	58	AVG	484	65	135/143.4 (MCS11)	12.50	23.45	-10.95
			AVG	484	66	135/143.4 (MCS11)	12.49	23.45	-10.96
	5530	106	AVG	484	65	135/143.4 (MCS11)	12.38	22.99	-10.61
			AVG	484	66	135/143.4 (MCS11)	12.50	22.99	-10.49
	5610	122	AVG	484	65	135/143.4 (MCS11)	16.70	22.99	-6.29
			AVG	484	66	135/143.4 (MCS11)	17.00	22.99	-5.99
	5690	138	AVG	106	53	135/143.4 (MCS11)	16.89	22.99	-6.10
			AVG	106	56	135/143.4 (MCS11)	17.45	22.99	-5.54
			AVG	106	60	135/143.4 (MCS11)	17.27	22.99	-5.72
	5775	155	AVG	484	65	135/143.4 (MCS11)	16.68	30.00	-13.32
			AVG	484	66	135/143.4 (MCS11)	16.75	30.00	-13.25

Table 7-36. FCC Antenna WF7a 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

ISED Antenna WF7a Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (20MHz Bandwidth)	5180	36	AVG	106	53	135/143.4 (MCS11)	12.94	-	-	4.00	16.94	22.46	-5.52
			AVG	106	54	135/143.4 (MCS11)	13.00	-	-	4.00	17.00	22.46	-5.46
	5200	40	AVG	106	53	135/143.4 (MCS11)	13.00	-	-	4.00	17.00	22.46	-5.46
			AVG	106	54	135/143.4 (MCS11)	13.00	-	-	4.00	17.00	22.46	-5.46
	5240	48	AVG	106	53	135/143.4 (MCS11)	12.93	-	-	4.00	16.93	22.46	-5.53
			AVG	106	54	135/143.4 (MCS11)	12.97	-	-	4.00	16.97	22.46	-5.49
	5260	52	AVG	106	53	135/143.4 (MCS11)	17.40	23.45	-6.05	3.10	20.50	29.45	-8.95
			AVG	106	54	135/143.4 (MCS11)	17.47	23.45	-5.98	3.10	20.57	29.45	-8.88
	5300	60	AVG	106	53	135/143.4 (MCS11)	17.27	23.45	-6.18	3.10	20.37	29.45	-9.08
			AVG	106	54	135/143.4 (MCS11)	17.44	23.45	-6.01	3.10	20.54	29.45	-8.91
	5320	64	AVG	106	53	135/143.4 (MCS11)	16.00	23.45	-7.45	3.10	19.10	29.45	-10.35
			AVG	106	54	135/143.4 (MCS11)	16.00	23.45	-7.45	3.10	19.10	29.45	-10.35
	5500	100	AVG	106	53	135/143.4 (MCS11)	15.35	22.99	-7.64	4.00	19.35	28.99	-9.64
			AVG	106	54	135/143.4 (MCS11)	15.45	22.99	-7.54	4.00	19.45	28.99	-9.54
	5520	104	AVG	106	53	135/143.4 (MCS11)	17.40	22.99	-5.59	4.00	21.40	28.99	-7.59
			AVG	106	54	135/143.4 (MCS11)	17.50	22.99	-5.49	4.00	21.50	28.99	-7.49
	5580	116	AVG	106	53	135/143.4 (MCS11)	17.46	22.99	-5.53	4.00	21.46	28.99	-7.53
			AVG	106	54	135/143.4 (MCS11)	17.49	22.99	-5.50	4.00	21.49	28.99	-7.50
	5680	136	AVG	106	53	135/143.4 (MCS11)	17.44	22.99	-5.55	4.00	21.44	28.99	-7.55
			AVG	106	54	135/143.4 (MCS11)	17.50	22.99	-5.49	4.00	21.50	28.99	-7.49
	5700	140	AVG	106	53	135/143.4 (MCS11)	12.85	22.99	-10.14	4.00	16.85	28.99	-12.14
			AVG	106	54	135/143.4 (MCS11)	12.95	22.99	-10.04	4.00	16.95	28.99	-12.04
	5720	144	AVG	106	53	135/143.4 (MCS11)	17.36	22.99	-5.63	4.00	21.36	28.99	-7.63
			AVG	106	54	135/143.4 (MCS11)	17.50	22.99	-5.49	4.00	21.50	28.99	-7.49
	5745	149	AVG	106	53	135/143.4 (MCS11)	17.85	30.00	-12.15	1.20	19.05	-	-
			AVG	106	54	135/143.4 (MCS11)	17.99	30.00	-12.01	1.20	19.19	-	-
	5785	157	AVG	106	53	135/143.4 (MCS11)	17.79	30.00	-12.21	1.20	18.99	-	-
			AVG	106	54	135/143.4 (MCS11)	17.99	30.00	-12.01	1.20	19.19	-	-
	5825	165	AVG	106	53	135/143.4 (MCS11)	17.80	30.00	-12.20	1.20	19.00	-	-
			AVG	106	54	135/143.4 (MCS11)	17.98	30.00	-12.02	1.20	19.18	-	-

Table 7-37. ISED Antenna WF7a 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5GHz (40MHz Bandwidth)	5190	38	AVG	242	61	135/143.4 (MCS11)	12.96	-	-	4.00	16.96	22.46	-5.50
			AVG	242	62	135/143.4 (MCS11)	13.00	-	-	4.00	17.00	22.46	-5.46
	5230	46	AVG	242	61	135/143.4 (MCS11)	14.75	-	-	4.00	18.75	22.46	-3.71
			AVG	242	62	135/143.4 (MCS11)	14.93	-	-	4.00	18.93	22.46	-3.53
	5270	54	AVG	242	61	135/143.4 (MCS11)	19.77	23.45	-3.68	3.10	22.87	29.45	-6.58
			AVG	242	62	135/143.4 (MCS11)	19.83	23.45	-3.62	3.10	22.93	29.45	-6.52
	5310	62	AVG	242	61	135/143.4 (MCS11)	13.46	23.45	-9.99	3.10	16.56	29.45	-12.89
			AVG	242	62	135/143.4 (MCS11)	13.49	23.45	-9.96	3.10	16.59	29.45	-12.86
	5510	102	AVG	242	61	135/143.4 (MCS11)	12.26	22.99	-10.73	4.00	16.26	28.99	-12.73
			AVG	242	62	135/143.4 (MCS11)	12.44	22.99	-10.55	4.00	16.44	28.99	-12.55
	5550	110	AVG	242	61	135/143.4 (MCS11)	19.86	22.99	-3.13	4.00	23.86	28.99	-5.13
			AVG	242	62	135/143.4 (MCS11)	20.00	22.99	-2.99	4.00	24.00	28.99	-4.99
	5670	134	AVG	242	61	135/143.4 (MCS11)	14.76	22.99	-8.23	4.00	18.76	28.99	-10.23
			AVG	242	62	135/143.4 (MCS11)	14.98	22.99	-8.01	4.00	18.98	28.99	-10.01
	5710	142	AVG	106	53	135/143.4 (MCS11)	16.77	22.99	-6.22	4.00	20.77	28.99	-8.22
			AVG	106	54	135/143.4 (MCS11)	17.36	22.99	-5.63	4.00	21.36	28.99	-7.63
			AVG	106	56	135/143.4 (MCS11)	17.04	22.99	-5.95	4.00	21.04	28.99	-7.95
	5755	151	AVG	242	61	135/143.4 (MCS11)	20.44	30.00	-9.56	1.20	21.64	-	-
			AVG	242	62	135/143.4 (MCS11)	20.41	30.00	-9.59	1.20	21.61	-	-
	5795	159	AVG	242	61	135/143.4 (MCS11)	20.93	30.00	-9.07	1.20	22.13	-	-
			AVG	242	62	135/143.4 (MCS11)	20.99	30.00	-9.01	1.20	22.19	-	-

Table 7-38. ISED Antenna WF7a 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	AVG	484	65	135/143.4 (MCS11)	11.17	-	-	4.00	15.17	22.46	-7.29
			AVG	484	66	135/143.4 (MCS11)	11.34	-	-	4.00	15.34	22.46	-7.12
	5290	58	AVG	484	65	135/143.4 (MCS11)	12.50	23.45	-10.95	3.10	15.60	29.45	-13.85
			AVG	484	66	135/143.4 (MCS11)	12.49	23.45	-10.96	3.10	15.59	29.45	-13.86
	5530	106	AVG	484	65	135/143.4 (MCS11)	12.38	22.99	-10.61	4.00	16.38	28.99	-12.61
			AVG	484	66	135/143.4 (MCS11)	12.50	22.99	-10.49	4.00	16.50	28.99	-12.49
	5690	138	AVG	106	53	135/143.4 (MCS11)	16.89	22.99	-6.10	4.00	20.89	28.99	-8.10
			AVG	106	56	135/143.4 (MCS11)	17.45	22.99	-5.54	4.00	21.45	28.99	-7.54
			AVG	106	60	135/143.4 (MCS11)	17.27	22.99	-5.72	4.00	21.27	28.99	-7.72
	5775	155	AVG	484	65	135/143.4 (MCS11)	16.68	30.00	-13.32	1.20	17.88	-	-
			AVG	484	66	135/143.4 (MCS11)	16.75	30.00	-13.25	1.20	17.95	-	-

Table 7-39. ISED Antenna WF7a 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

FCC Antenna WF7a Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5180	36	AVG	242	61	135/143.4 (MCS11)	15.86	23.98	-8.12
	5200	40	AVG	242	61	135/143.4 (MCS11)	19.86	23.98	-4.12
	5240	48	AVG	242	61	135/143.4 (MCS11)	20.00	23.98	-3.98
	5260	52	AVG	242	61	135/143.4 (MCS11)	19.86	23.45	-3.59
	5300	60	AVG	242	61	135/143.4 (MCS11)	20.00	23.45	-3.45
	5320	64	AVG	242	61	135/143.4 (MCS11)	15.96	23.45	-7.49
	5500	100	AVG	242	61	135/143.4 (MCS11)	15.40	22.99	-7.59
	5520	104	AVG	242	61	135/143.4 (MCS11)	18.50	22.99	-4.49
	5540	108	AVG	242	61	135/143.4 (MCS11)	20.00	22.99	-2.99
	5580	116	AVG	242	61	135/143.4 (MCS11)	19.92	22.99	-3.07
	5660	132	AVG	242	61	135/143.4 (MCS11)	19.91	22.99	-3.08
	5680	136	AVG	242	61	135/143.4 (MCS11)	18.47	22.99	-4.52
	5700	140	AVG	242	61	135/143.4 (MCS11)	12.96	22.99	-10.03
	5720	144	AVG	242	61	135/143.4 (MCS11)	19.98	22.99	-3.01
	5745	149	AVG	242	61	135/143.4 (MCS11)	20.89	30.00	-9.11
	5785	157	AVG	242	61	135/143.4 (MCS11)	20.94	30.00	-9.06
	5825	165	AVG	242	61	135/143.4 (MCS11)	20.99	30.00	-9.01

Table 7-40. FCC Antenna WF7a 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5190	38	AVG	484	65	135/143.4 (MCS11)	12.85	23.98	-11.13
	5230	46	AVG	484	65	135/143.4 (MCS11)	19.95	23.98	-4.03
	5270	54	AVG	484	65	135/143.4 (MCS11)	19.99	23.45	-3.46
	5310	62	AVG	484	65	135/143.4 (MCS11)	13.47	23.45	-9.98
	5510	102	AVG	484	65	135/143.4 (MCS11)	12.18	22.99	-10.81
	5550	110	AVG	484	65	135/143.4 (MCS11)	19.97	22.99	-3.02
	5590	118	AVG	484	65	135/143.4 (MCS11)	20.96	22.99	-2.03
	5630	126	AVG	484	65	135/143.4 (MCS11)	20.88	22.99	-2.11
	5670	134	AVG	484	65	135/143.4 (MCS11)	14.94	22.99	-8.05
	5710	142	AVG	484	65	135/143.4 (MCS11)	20.98	22.99	-2.01
	5755	151	AVG	484	65	135/143.4 (MCS11)	20.48	30.00	-9.52
	5795	159	AVG	484	65	135/143.4 (MCS11)	21.00	30.00	-9.00

Table 7-41. FCC Antenna WF7a 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]
	5210	42	AVG	996	67	135/143.4 (MCS11)	11.50	23.98	-12.48
	5290	58	AVG	996	67	135/143.4 (MCS11)	12.50	23.45	-10.95
	5530	106	AVG	996	67	135/143.4 (MCS11)	12.50	22.99	-10.49
	5610	122	AVG	996	67	135/143.4 (MCS11)	16.75	22.99	-6.24
	5690	138	AVG	996	67	135/143.4 (MCS11)	21.00	22.99	-1.99
	5775	155	AVG	996	67	135/143.4 (MCS11)	16.47	30.00	-13.53

Table 7-42. FCC Antenna WF7a 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

ISED Antenna WF7a Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5180	36	AVG	242	61	135/143.4 (MCS11)	15.00	-	-	4.00	19.00	22.46	-3.46
	5200	40	AVG	242	61	135/143.4 (MCS11)	14.99	-	-	4.00	18.99	22.46	-3.47
	5240	48	AVG	242	61	135/143.4 (MCS11)	15.00	-	-	4.00	19.00	22.46	-3.46
	5260	52	AVG	242	61	135/143.4 (MCS11)	19.86	23.45	-3.59	3.10	22.96	29.45	-6.49
	5300	60	AVG	242	61	135/143.4 (MCS11)	20.00	23.45	-3.45	3.10	23.10	29.45	-6.35
	5320	64	AVG	242	61	135/143.4 (MCS11)	15.96	23.45	-7.49	3.10	19.06	29.45	-10.39
	5500	100	AVG	242	61	135/143.4 (MCS11)	15.40	22.99	-7.59	4.00	19.40	28.99	-9.59
	5520	104	AVG	242	61	135/143.4 (MCS11)	18.50	22.99	-4.49	4.00	22.50	28.99	-6.49
	5540	108	AVG	242	61	135/143.4 (MCS11)	20.00	22.99	-2.99	4.00	24.00	28.99	-4.99
	5580	116	AVG	242	61	135/143.4 (MCS11)	19.92	22.99	-3.07	4.00	23.92	28.99	-5.07
	5660	132	AVG	242	61	135/143.4 (MCS11)	19.91	22.99	-3.08	4.00	23.91	28.99	-5.08
	5680	136	AVG	242	61	135/143.4 (MCS11)	18.47	22.99	-4.52	4.00	22.47	28.99	-6.52
	5700	140	AVG	242	61	135/143.4 (MCS11)	12.96	22.99	-10.03	4.00	16.96	28.99	-12.03
	5720	144	AVG	242	61	135/143.4 (MCS11)	19.98	22.99	-3.01	4.00	23.98	28.99	-5.01
	5745	149	AVG	242	61	135/143.4 (MCS11)	20.89	30.00	-9.11	1.20	22.09	-	-
	5785	157	AVG	242	61	135/143.4 (MCS11)	20.94	30.00	-9.06	1.20	22.14	-	-
	5825	165	AVG	242	61	135/143.4 (MCS11)	20.99	30.00	-9.01	1.20	22.19	-	-

Table 7-43. ISED Antenna WF7a 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5190	38	AVG	484	65	135/143.4 (MCS11)	12.85	-	-	4.00	16.85	22.46	-5.61
	5230	46	AVG	484	65	135/143.4 (MCS11)	17.46	-	-	4.00	21.46	22.46	-1.00
	5270	54	AVG	484	65	135/143.4 (MCS11)	19.99	23.45	-3.46	3.10	23.09	29.45	-6.36
	5310	62	AVG	484	65	135/143.4 (MCS11)	13.47	23.45	-9.98	3.10	16.57	29.45	-12.88
	5510	102	AVG	484	65	135/143.4 (MCS11)	12.18	22.99	-10.81	4.00	16.18	28.99	-12.81
	5550	110	AVG	484	65	135/143.4 (MCS11)	19.97	22.99	-3.02	4.00	23.97	28.99	-5.02
	5670	134	AVG	484	65	135/143.4 (MCS11)	14.94	22.99	-8.05	4.00	18.94	28.99	-10.05
	5710	142	AVG	484	65	135/143.4 (MCS11)	20.98	22.99	-2.01	4.00	24.98	28.99	-4.01
	5755	151	AVG	484	65	135/143.4 (MCS11)	20.48	30.00	-9.52	1.20	21.68	-	-
	5795	159	AVG	484	65	135/143.4 (MCS11)	21.00	30.00	-9.00	1.20	22.20	-	-

Table 7-44. ISED Antenna WF7a 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Power [dBm]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
	5210	42	AVG	996	67	135/143.4 (MCS11)	11.50	-	-	4.00	15.50	22.46	-6.96
	5290	58	AVG	996	67	135/143.4 (MCS11)	12.50	23.45	-10.95	3.10	15.60	29.45	-13.85
	5530	106	AVG	996	67	135/143.4 (MCS11)	12.50	22.99	-10.49	4.00	16.50	28.99	-12.49
	5690	138	AVG	996	67	135/143.4 (MCS11)	21.00	22.99	-1.99	4.00	25.00	28.99	-3.99
	5775	155	AVG	996	67	135/143.4 (MCS11)	16.47	30.00	-13.53	1.20	17.67	-	-

Table 7-45. ISED Antenna WF7a 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

FCC CDD/SDM Conducted Output Power Measurements (RU26)

	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF8	Antenna WF7a	Summed		
5GHz (20MHz Bandwidth)	5180	36	SDM	AVG	26	0	135/143.4 (MCS11)	7.84	7.70	10.78	23.98	-13.20
			SDM	AVG	26	4	135/143.4 (MCS11)	8.42	8.20	11.32	23.98	-12.66
			SDM	AVG	26	8	135/143.4 (MCS11)	7.95	7.64	10.81	23.98	-13.17
	5200	40	SDM	AVG	26	0	135/143.4 (MCS11)	7.90	7.78	10.85	23.98	-13.13
			SDM	AVG	26	4	135/143.4 (MCS11)	8.45	8.24	11.36	23.98	-12.62
			SDM	AVG	26	8	135/143.4 (MCS11)	7.97	7.72	10.86	23.98	-13.12
	5240	48	SDM	AVG	26	0	135/143.4 (MCS11)	7.78	7.76	10.78	23.98	-13.20
			SDM	AVG	26	4	135/143.4 (MCS11)	8.43	8.39	11.42	23.98	-12.56
			SDM	AVG	26	8	135/143.4 (MCS11)	7.89	7.83	10.87	23.98	-13.11
	5260	52	CDD	AVG	26	0	135/143.4 (MCS11)	7.92	7.82	10.88	23.19	-12.31
			CDD	AVG	26	4	135/143.4 (MCS11)	8.50	8.35	11.44	23.19	-11.75
			CDD	AVG	26	8	135/143.4 (MCS11)	7.99	7.87	10.94	23.19	-12.25
	5300	60	CDD	AVG	26	0	135/143.4 (MCS11)	7.91	7.88	10.91	23.19	-12.28
			CDD	AVG	26	4	135/143.4 (MCS11)	8.49	8.45	11.48	23.19	-11.71
			CDD	AVG	26	8	135/143.4 (MCS11)	8.11	8.13	11.13	23.19	-12.06
	5320	64	CDD	AVG	26	0	135/143.4 (MCS11)	8.03	7.64	10.85	23.19	-12.34
			CDD	AVG	26	4	135/143.4 (MCS11)	8.40	8.21	11.32	23.19	-11.87
			CDD	AVG	26	8	135/143.4 (MCS11)	8.05	7.81	10.94	23.19	-12.25
	5500	100	SDM	AVG	26	0	135/143.4 (MCS11)	7.78	7.89	10.85	22.99	-12.14
			SDM	AVG	26	4	135/143.4 (MCS11)	8.31	8.41	11.37	22.99	-11.62
			SDM	AVG	26	8	135/143.4 (MCS11)	7.83	8.10	10.98	22.99	-12.01
	5580	116	SDM	AVG	26	0	135/143.4 (MCS11)	7.87	7.95	10.92	22.99	-12.07
			SDM	AVG	26	4	135/143.4 (MCS11)	8.43	8.50	11.48	22.99	-11.51
			SDM	AVG	26	8	135/143.4 (MCS11)	7.95	8.12	11.05	22.99	-11.94
	5700	140	SDM	AVG	26	0	135/143.4 (MCS11)	7.64	7.84	10.75	22.99	-12.24
			SDM	AVG	26	4	135/143.4 (MCS11)	8.30	8.46	11.39	22.99	-11.60
			SDM	AVG	26	8	135/143.4 (MCS11)	7.92	8.34	11.15	22.99	-11.84
	5720	144	SDM	AVG	26	0	135/143.4 (MCS11)	7.82	7.80	10.82	22.99	-12.17
			SDM	AVG	26	4	135/143.4 (MCS11)	8.40	8.49	11.46	22.99	-11.53
			SDM	AVG	26	8	135/143.4 (MCS11)	8.08	8.30	11.20	22.99	-11.79
	5745	149	CDD	AVG	26	0	135/143.4 (MCS11)	11.26	11.08	14.18	30.00	-15.82
			CDD	AVG	27	4	135/143.4 (MCS11)	11.95	11.92	14.95	30.00	-15.05
			CDD	AVG	28	8	135/143.4 (MCS11)	11.53	11.54	14.55	30.00	-15.45
	5785	157	CDD	AVG	29	0	135/143.4 (MCS11)	11.46	11.19	14.34	30.00	-15.66
			CDD	AVG	30	4	135/143.4 (MCS11)	12.00	11.95	14.99	30.00	-15.01
			CDD	AVG	31	8	135/143.4 (MCS11)	11.77	11.50	14.65	30.00	-15.35
	5825	165	CDD	AVG	32	0	135/143.4 (MCS11)	11.15	11.14	14.16	30.00	-15.84
			CDD	AVG	33	4	135/143.4 (MCS11)	11.75	11.80	14.79	30.00	-15.21
			CDD	AVG	34	8	135/143.4 (MCS11)	11.45	11.23	14.35	30.00	-15.65

Table 7-46. FCC CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF8	Antenna WF7a	Summed		
5GHz (40MHz Bandwidth)	5190	38	SDM	AVG	26	0	135/143.4 (MCS11)	7.59	7.68	10.65	23.98	-13.33
			SDM	AVG	26	8	135/143.4 (MCS11)	8.37	8.44	11.42	23.98	-12.56
			SDM	AVG	26	17	135/143.4 (MCS11)	7.72	7.64	10.69	23.98	-13.29
	5230	46	SDM	AVG	26	0	135/143.4 (MCS11)	7.65	7.85	10.76	23.98	-13.22
			SDM	AVG	26	8	135/143.4 (MCS11)	8.50	8.49	11.51	23.98	-12.47
			SDM	AVG	26	17	135/143.4 (MCS11)	7.83	7.79	10.82	23.98	-13.16
	5270	54	CDD	AVG	26	0	135/143.4 (MCS11)	7.50	7.78	10.65	23.19	-12.54
			CDD	AVG	26	8	135/143.4 (MCS11)	8.34	8.50	11.43	23.19	-11.76
			CDD	AVG	26	17	135/143.4 (MCS11)	7.77	7.93	10.86	23.19	-12.33
	5310	62	CDD	AVG	26	0	135/143.4 (MCS11)	7.75	7.62	10.70	23.19	-12.49
			CDD	AVG	26	8	135/143.4 (MCS11)	8.50	8.40	11.46	23.19	-11.73
			CDD	AVG	26	17	135/143.4 (MCS11)	7.95	7.88	10.93	23.19	-12.26
	5510	102	SDM	AVG	26	0	135/143.4 (MCS11)	7.68	7.59	10.65	22.99	-12.34
			SDM	AVG	26	8	135/143.4 (MCS11)	8.49	8.40	11.46	22.99	-11.53
			SDM	AVG	26	17	135/143.4 (MCS11)	8.13	8.14	11.15	22.99	-11.84
	5590	118	SDM	AVG	26	0	135/143.4 (MCS11)	7.54	7.49	10.53	22.99	-12.46
			SDM	AVG	26	8	135/143.4 (MCS11)	8.50	8.46	11.49	22.99	-11.50
			SDM	AVG	26	17	135/143.4 (MCS11)	7.96	7.88	10.93	22.99	-12.06
	5670	134	SDM	AVG	26	0	135/143.4 (MCS11)	7.34	7.53	10.45	22.99	-12.54
			SDM	AVG	26	8	135/143.4 (MCS11)	8.45	8.44	11.46	22.99	-11.53
			SDM	AVG	26	17	135/143.4 (MCS11)	8.24	8.01	11.14	22.99	-11.85
	5710	142	SDM	AVG	26	0	135/143.4 (MCS11)	7.45	7.44	10.46	22.99	-12.53
			SDM	AVG	26	8	135/143.4 (MCS11)	8.50	8.42	11.47	22.99	-11.52
			SDM	AVG	26	17	135/143.4 (MCS11)	7.37	7.46	10.43	22.99	-12.56
	5755	151	CDD	AVG	26	0	135/143.4 (MCS11)	11.26	10.91	14.10	30.00	-15.90
			CDD	AVG	26	8	135/143.4 (MCS11)	12.00	11.77	14.90	30.00	-15.10
			CDD	AVG	26	17	135/143.4 (MCS11)	11.15	11.12	14.15	30.00	-15.85
	5795	159	CDD	AVG	26	0	135/143.4 (MCS11)	10.86	10.95	13.92	30.00	-16.08
			CDD	AVG	26	8	135/143.4 (MCS11)	11.90	11.99	14.96	30.00	-15.04
			CDD	AVG	26	17	135/143.4 (MCS11)	10.98	11.06	14.03	30.00	-15.97

Table 7-47. FCC CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF8	Antenna WF7a	Summed		
5GHz (80MHz Bandwidth)	5210	42	SDM	AVG	26	0	135/143.4 (MCS11)	8.03	7.63	10.84	23.98	-13.14
			SDM	AVG	26	18	135/143.4 (MCS11)	8.42	8.33	11.39	23.98	-12.59
			SDM	AVG	26	36	135/143.4 (MCS11)	7.98	7.63	10.82	23.98	-13.16
	5290	58	CDD	AVG	26	0	135/143.4 (MCS11)	7.95	7.83	10.90	23.19	-12.29
			CDD	AVG	26	18	135/143.4 (MCS11)	8.50	8.50	11.51	23.19	-11.68
			CDD	AVG	26	36	135/143.4 (MCS11)	7.87	7.81	10.85	23.19	-12.34
	5530	106	SDM	AVG	26	0	135/143.4 (MCS11)	8.22	7.97	11.11	22.99	-11.88
			SDM	AVG	26	18	135/143.4 (MCS11)	8.50	8.50	11.51	22.99	-11.48
			SDM	AVG	26	36	135/143.4 (MCS11)	8.48	8.11	11.31	22.99	-11.68
	5610	122	SDM	AVG	26	0	135/143.4 (MCS11)	7.90	7.73	10.83	22.99	-12.16
			SDM	AVG	26	18	135/143.4 (MCS11)	8.49	8.43	11.47	22.99	-11.52
			SDM	AVG	26	36	135/143.4 (MCS11)	8.47	8.28	11.39	22.99	-11.60
	5690	138	SDM	AVG	26	0	135/143.4 (MCS11)	7.51	7.45	10.49	22.99	-12.50
			SDM	AVG	26	18	135/143.4 (MCS11)	8.49	8.43	11.47	22.99	-11.52
			SDM	AVG	26	36	135/143.4 (MCS11)	8.06	7.96	11.02	22.99	-11.97
	5775	155	CDD	AVG	26	0	135/143.4 (MCS11)	11.36	11.66	14.52	30.00	-15.48
			CDD	AVG	26	18	135/143.4 (MCS11)	11.98	12.00	15.00	30.00	-15.00
			CDD	AVG	26	36	135/143.4 (MCS11)	11.68	12.00	14.85	30.00	-15.15

Table 7-48. FCC CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

ISED CDD/SDM Conducted Output Power Measurements (RU26)

	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna WF8	Antenna WF7a	Summed						
5GHz (20MHz Bandwidth)	5180	36	SDM	AVG	26	0	135/143.4 (MCS11)	4.25	3.72	7.00	-	-	3.71	10.71	22.46	-11.75
			SDM	AVG	26	4	135/143.4 (MCS11)	4.19	4.01	7.11	-	-	3.71	10.82	22.46	-11.64
			SDM	AVG	26	8	135/143.4 (MCS11)	3.89	3.23	6.58	-	-	3.71	10.29	22.46	-12.17
	5200	40	SDM	AVG	26	0	135/143.4 (MCS11)	3.92	3.44	6.70	-	-	3.71	10.41	22.46	-12.05
			SDM	AVG	26	4	135/143.4 (MCS11)	4.24	4.15	7.21	-	-	3.71	10.92	22.46	-11.54
			SDM	AVG	26	8	135/143.4 (MCS11)	4.25	3.78	7.03	-	-	3.71	10.74	22.46	-11.72
	5240	48	SDM	AVG	26	0	135/143.4 (MCS11)	4.25	3.78	7.03	-	-	3.71	10.74	22.46	-11.72
			SDM	AVG	26	4	135/143.4 (MCS11)	4.18	4.02	7.11	-	-	3.71	10.82	22.46	-11.64
			SDM	AVG	26	8	135/143.4 (MCS11)	3.32	3.54	6.44	-	-	3.71	10.15	22.46	-12.31
	5260	52	CDD	AVG	26	0	135/143.4 (MCS11)	7.92	7.82	10.88	23.19	-12.31	6.26	17.14	29.19	-12.05
			CDD	AVG	26	4	135/143.4 (MCS11)	8.50	8.35	11.44	23.19	-11.75	6.26	17.70	29.19	-11.49
			CDD	AVG	26	8	135/143.4 (MCS11)	7.99	7.87	10.94	23.19	-12.25	6.26	17.20	29.19	-11.99
	5300	60	CDD	AVG	26	0	135/143.4 (MCS11)	7.91	7.88	10.91	23.19	-12.28	6.26	17.17	29.19	-12.02
			CDD	AVG	26	4	135/143.4 (MCS11)	8.49	8.45	11.48	23.19	-11.71	6.26	17.74	29.19	-11.45
			CDD	AVG	26	8	135/143.4 (MCS11)	8.11	8.13	11.13	23.19	-12.06	6.26	17.39	29.19	-11.80
	5320	64	CDD	AVG	26	0	135/143.4 (MCS11)	8.03	7.64	10.85	23.19	-12.34	6.26	17.11	29.19	-12.08
			CDD	AVG	26	4	135/143.4 (MCS11)	8.40	8.21	11.32	23.19	-11.87	6.26	17.58	29.19	-11.61
			CDD	AVG	26	8	135/143.4 (MCS11)	8.05	7.81	10.94	23.19	-12.25	6.26	17.20	29.19	-11.99
	5500	100	SDM	AVG	26	0	135/143.4 (MCS11)	7.78	7.89	10.85	22.99	-12.14	3.95	14.80	28.99	-14.19
			SDM	AVG	26	4	135/143.4 (MCS11)	8.31	8.41	11.37	22.99	-11.62	3.95	15.32	28.99	-13.67
			SDM	AVG	26	8	135/143.4 (MCS11)	7.83	8.10	10.98	22.99	-12.01	3.95	14.93	28.99	-14.06
	5580	116	SDM	AVG	26	0	135/143.4 (MCS11)	7.87	7.95	10.92	22.99	-12.07	3.95	14.87	28.99	-14.12
			SDM	AVG	26	4	135/143.4 (MCS11)	8.43	8.50	11.48	22.99	-11.51	3.95	15.43	28.99	-13.56
			SDM	AVG	26	8	135/143.4 (MCS11)	7.95	8.12	11.05	22.99	-11.94	3.95	15.00	28.99	-13.99
	5700	140	SDM	AVG	26	0	135/143.4 (MCS11)	7.64	7.84	10.75	22.99	-12.24	3.95	14.70	28.99	-14.29
			SDM	AVG	26	4	135/143.4 (MCS11)	8.30	8.46	11.39	22.99	-11.60	3.95	15.34	28.99	-13.65
			SDM	AVG	26	8	135/143.4 (MCS11)	7.92	8.34	11.15	22.99	-11.84	3.95	15.10	28.99	-13.89
	5720	144	SDM	AVG	26	0	135/143.4 (MCS11)	7.82	7.80	10.82	22.99	-12.17	3.95	14.77	28.99	-14.22
			SDM	AVG	26	4	135/143.4 (MCS11)	8.40	8.49	11.46	22.99	-11.53	3.95	15.41	28.99	-13.58
			SDM	AVG	26	8	135/143.4 (MCS11)	8.08	8.30	11.20	22.99	-11.79	3.95	15.15	28.99	-13.84
	5745	149	CDD	AVG	26	0	135/143.4 (MCS11)	11.26	11.08	14.18	30.00	-15.82	5.55	19.73	-	-
			CDD	AVG	27	4	135/143.4 (MCS11)	11.95	11.92	14.95	30.00	-15.05	5.55	20.50	-	-
			CDD	AVG	28	8	135/143.4 (MCS11)	11.53	11.54	14.55	30.00	-15.45	5.55	20.10	-	-
	5785	157	CDD	AVG	29	0	135/143.4 (MCS11)	11.46	11.19	14.34	30.00	-15.66	5.55	19.89	-	-
			CDD	AVG	30	4	135/143.4 (MCS11)	12.00	11.95	14.99	30.00	-15.01	5.55	20.54	-	-
			CDD	AVG	31	8	135/143.4 (MCS11)	11.77	11.50	14.65	30.00	-15.35	5.55	20.20	-	-
	5825	165	CDD	AVG	32	0	135/143.4 (MCS11)	11.15	11.14	14.16	30.00	-15.84	5.55	19.71	-	-
			CDD	AVG	33	4	135/143.4 (MCS11)	11.75	11.80	14.79	30.00	-15.21	5.55	20.34	-	-
			CDD	AVG	34	8	135/143.4 (MCS11)	11.45	11.23	14.35	30.00	-15.65	5.55	19.90	-	-

Table 7-49. ISED CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna WF8	Antenna WF7a	Summed						
5GHz (40MHz Bandwidth)	5190	38	SDM	AVG	26	0	135/143.4 (MCS11)	3.39	3.31	6.36	-	-	3.71	10.07	22.46	-12.39
			SDM	AVG	26	8	135/143.4 (MCS11)	4.22	4.19	7.22	-	-	3.71	10.93	22.46	-11.53
			SDM	AVG	26	17	135/143.4 (MCS11)	3.42	3.36	6.40	-	-	3.71	10.11	22.46	-12.35
	5230	46	SDM	AVG	26	0	135/143.4 (MCS11)	3.36	3.28	6.33	-	-	3.71	10.04	22.46	-12.42
			SDM	AVG	26	8	135/143.4 (MCS11)	4.24	4.15	7.21	-	-	3.71	10.92	22.46	-11.54
			SDM	AVG	26	17	135/143.4 (MCS11)	3.61	3.44	6.54	-	-	3.71	10.25	22.46	-12.21
	5270	54	CDD	AVG	26	0	135/143.4 (MCS11)	7.50	7.78	10.65	23.19	-12.54	6.26	16.91	29.19	-12.28
			CDD	AVG	26	8	135/143.4 (MCS11)	8.34	8.50	11.43	23.19	-11.76	6.26	17.69	29.19	-11.50
			CDD	AVG	26	17	135/143.4 (MCS11)	7.77	7.93	10.86	23.19	-12.33	6.26	17.12	29.19	-12.07
	5310	62	CDD	AVG	26	0	135/143.4 (MCS11)	7.75	7.62	10.70	23.19	-12.49	6.26	16.96	29.19	-12.23
			CDD	AVG	26	8	135/143.4 (MCS11)	8.50	8.40	11.46	23.19	-11.73	6.26	17.72	29.19	-11.47
			CDD	AVG	26	17	135/143.4 (MCS11)	7.95	7.88	10.93	23.19	-12.26	6.26	17.19	29.19	-12.00
	5510	102	SDM	AVG	26	0	135/143.4 (MCS11)	7.68	7.59	10.65	22.99	-12.34	3.95	14.60	28.99	-14.39
			SDM	AVG	26	8	135/143.4 (MCS11)	8.49	8.40	11.46	22.99	-11.53	3.95	15.41	28.99	-13.58
			SDM	AVG	26	17	135/143.4 (MCS11)	8.13	8.14	11.15	22.99	-11.84	3.95	15.10	28.99	-13.89
	5550	110	SDM	AVG	26	0	135/143.4 (MCS11)	7.65	7.70	10.69	22.99	-12.30	3.95	14.64	28.99	-14.35
			SDM	AVG	26	8	135/143.4 (MCS11)	8.47	8.45	11.47	22.99	-11.52	3.95	15.42	28.99	-13.57
			SDM	AVG	26	17	135/143.4 (MCS11)	7.88	8.28	11.09	22.99	-11.90	3.95	15.04	28.99	-13.95
	5710	142	SDM	AVG	26	0	135/143.4 (MCS11)	7.45	7.44	10.46	22.99	-12.53	3.95	14.41	28.99	-14.58
			SDM	AVG	26	8	135/143.4 (MCS11)	8.50	8.42	11.47	22.99	-11.52	3.95	15.42	28.99	-13.57
			SDM	AVG	26	17	135/143.4 (MCS11)	7.37	7.46	10.43	22.99	-12.56	3.95	14.38	28.99	-14.61
	5755	151	CDD	AVG	26	0	135/143.4 (MCS11)	11.26	10.91	14.10	30.00	-15.90	5.55	19.65	-	-
			CDD	AVG	26	8	135/143.4 (MCS11)	12.00	11.77	14.90	30.00	-15.10	5.55	20.45	-	-
			CDD	AVG	26	17	135/143.4 (MCS11)	11.15	11.12	14.15	30.00	-15.85	5.55	19.70	-	-
	5795	159	CDD	AVG	26	0	135/143.4 (MCS11)	10.86	10.95	13.92	30.00	-16.08	5.55	19.47	-	-
			CDD	AVG	26	8	135/143.4 (MCS11)	11.90	11.99	14.96	30.00	-15.04	5.55	20.51	-	-
			CDD	AVG	26	17	135/143.4 (MCS11)	10.98	11.06	14.03	30.00	-15.97	5.55	19.58	-	-

Table 7-50. ISED CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna WF8	Antenna WF7a	Summed						
5GHz (80MHz Bandwidth)	5210	42	SDM	AVG	26	0	135/143.4 (MCS11)	3.95	3.62	6.80	-	-	3.71	10.51	22.46	-11.95
			SDM	AVG	26	18	135/143.4 (MCS11)	4.25	4.13	7.20	-	-	3.71	10.91	22.46	-11.55
			SDM	AVG	26	36	135/143.4 (MCS11)	4.08	3.80	6.95	-	-	3.71	10.66	22.46	-11.80
	5290	58	SDM	AVG	26	0	135/143.4 (MCS11)	7.95	7.83	10.90	23.45	-12.55	3.25	14.15	29.45	-15.30
			SDM	AVG	26	18	135/143.4 (MCS11)	8.50	8.50	11.51	23.45	-11.94	3.25	14.76	29.45	-14.69
			SDM	AVG	26	36	135/143.4 (MCS11)	7.87	7.81	10.85	23.45	-12.60	3.25	14.10	29.45	-15.35
	5530	106	SDM	AVG	26	0	135/143.4 (MCS11)	8.22	7.97	11.11	22.99	-11.88	3.95	15.06	28.99	-13.93
			SDM	AVG	26	18	135/143.4 (MCS11)	8.50	8.50	11.51	22.99	-11.48	3.95	15.46	28.99	-13.53
			SDM	AVG	26	36	135/143.4 (MCS11)	8.48	8.11	11.31	22.99	-11.68	3.95	15.26	28.99	-13.73
	5690	138	SDM	AVG	26	0	135/143.4 (MCS11)	7.51	7.45	10.49	22.99	-12.50	3.95	14.44	28.99	-14.55
			SDM	AVG	26	18	135/143.4 (MCS11)	8.49	8.43	11.47	22.99	-11.52	3.95	15.42	28.99	-13.57
			SDM	AVG	26	36	135/143.4 (MCS11)	8.06	7.96	11.02	22.99	-11.97	3.95	14.97	28.99	-14.02
	5775	155	SDM	AVG	26	0	135/143.4 (MCS11)	11.36	11.66	14.52	30.00	-15.48	2.63	17.15	-	-
			SDM	AVG	26	18	135/143.4 (MCS11)	11.98	12.00	15.00	30.00	-15.00	2.63	17.63	-	-
			SDM	AVG	26	36	135/143.4 (MCS11)	11.68	12.00	14.85	30.00	-15.15	2.63	17.48	-	-

Table 7-51. ISED SDM 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC CDD/SDM Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF8	Antenna WF7a	Summed		
5GHz (20MHz Bandwidth)	5180	36	CDD	AVG	106	53	135/143.4 (MCS11)	13.96	14.08	17.03	23.26	-6.23
			CDD	AVG	106	54	135/143.4 (MCS11)	14.06	14.17	17.13	23.26	-6.13
	5200	40	SDM	AVG	106	53	135/143.4 (MCS11)	14.23	14.40	17.33	23.98	-6.65
			SDM	AVG	106	54	135/143.4 (MCS11)	14.30	14.47	17.40	23.98	-6.58
	5240	48	SDM	AVG	106	53	135/143.4 (MCS11)	14.41	14.20	17.32	23.98	-6.66
			SDM	AVG	106	54	135/143.4 (MCS11)	14.50	14.35	17.44	23.98	-6.54
	5260	52	CDD	AVG	106	53	135/143.4 (MCS11)	14.36	14.33	17.36	23.19	-5.83
			CDD	AVG	106	54	135/143.4 (MCS11)	14.40	14.41	17.42	23.19	-5.77
	5300	60	CDD	AVG	106	53	135/143.4 (MCS11)	14.30	14.32	17.32	23.19	-5.87
			CDD	AVG	106	54	135/143.4 (MCS11)	14.37	14.47	17.43	23.19	-5.76
	5320	64	CDD	AVG	106	53	135/143.4 (MCS11)	14.32	14.25	17.30	23.19	-5.89
			CDD	AVG	106	54	135/143.4 (MCS11)	14.41	14.50	17.47	23.19	-5.72
	5500	100	SDM	AVG	106	53	135/143.4 (MCS11)	14.19	14.37	17.29	22.99	-5.70
			SDM	AVG	106	54	135/143.4 (MCS11)	14.42	14.44	17.44	22.99	-5.55
	5580	116	SDM	AVG	106	53	135/143.4 (MCS11)	14.40	14.36	17.39	22.99	-5.60
			SDM	AVG	106	54	135/143.4 (MCS11)	14.39	14.48	17.45	22.99	-5.54
	5680	136	SDM	AVG	106	53	135/143.4 (MCS11)	14.17	14.18	17.19	22.99	-5.80
			SDM	AVG	106	54	135/143.4 (MCS11)	14.32	14.32	17.33	22.99	-5.66
	5700	140	CDD	AVG	106	53	135/143.4 (MCS11)	11.96	12.03	15.01	22.03	-7.02
			CDD	AVG	106	54	135/143.4 (MCS11)	12.17	12.20	15.20	22.03	-6.83
	5720	144	SDM	AVG	106	53	135/143.4 (MCS11)	14.37	14.30	17.35	22.99	-5.64
			SDM	AVG	106	54	135/143.4 (MCS11)	14.45	14.36	17.42	22.99	-5.57
	5745	149	CDD	AVG	106	53	135/143.4 (MCS11)	17.72	17.86	20.80	30.00	-9.20
			CDD	AVG	106	54	135/143.4 (MCS11)	17.95	18.00	20.99	30.00	-9.01
	5785	157	CDD	AVG	106	53	135/143.4 (MCS11)	17.79	17.99	20.90	30.00	-9.10
			CDD	AVG	106	54	135/143.4 (MCS11)	17.85	17.98	20.93	30.00	-9.07
	5825	165	CDD	AVG	106	53	135/143.4 (MCS11)	17.60	17.80	20.71	30.00	-9.29
			CDD	AVG	106	54	135/143.4 (MCS11)	17.88	17.74	20.82	30.00	-9.18

Table 7-52. FCC CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF8	Antenna WF7a	Summed		
5GHz (40MHz Bandwidth)	5190	38	CDD	AVG	242	61	135/143.4 (MCS11)	10.31	10.39	13.36	23.26	-9.90
			CDD	AVG	242	62	135/143.4 (MCS11)	10.47	10.38	13.44	23.26	-9.82
	5230	46	SDM	AVG	242	61	135/143.4 (MCS11)	16.91	16.76	19.85	23.98	-4.13
			SDM	AVG	242	62	135/143.4 (MCS11)	16.99	17.00	20.01	23.98	-3.97
	5270	54	SDM	AVG	242	61	135/143.4 (MCS11)	16.75	16.65	19.71	23.45	-3.74
			SDM	AVG	242	62	135/143.4 (MCS11)	16.83	16.89	19.87	23.45	-3.58
	5310	62	CDD	AVG	242	61	135/143.4 (MCS11)	12.13	12.06	15.11	22.49	-7.38
			CDD	AVG	242	62	135/143.4 (MCS11)	12.21	12.25	15.24	22.49	-7.25
	5510	102	CDD	AVG	242	61	135/143.4 (MCS11)	10.96	10.78	13.88	22.03	-8.15
			CDD	AVG	242	62	135/143.4 (MCS11)	11.00	10.89	13.96	22.03	-8.07
	5550	110	SDM	AVG	242	61	135/143.4 (MCS11)	16.85	16.91	19.89	22.99	-3.10
			SDM	AVG	242	62	135/143.4 (MCS11)	17.00	17.00	20.01	22.99	-2.98
	5590	118	SDM	AVG	242	61	135/143.4 (MCS11)	16.84	16.80	19.83	22.99	-3.16
			SDM	AVG	242	62	135/143.4 (MCS11)	16.96	16.97	19.98	22.99	-3.01
	5630	126	SDM	AVG	242	61	135/143.4 (MCS11)	16.68	16.80	19.75	22.99	-3.24
			SDM	AVG	242	62	135/143.4 (MCS11)	16.95	16.93	19.95	22.99	-3.04
	5670	134	CDD	AVG	242	61	135/143.4 (MCS11)	13.73	13.80	16.78	22.99	-6.21
			CDD	AVG	242	62	135/143.4 (MCS11)	13.94	13.95	16.96	22.99	-6.03
	5710	142	SDM	AVG	106	53	135/143.4 (MCS11)	13.78	13.70	16.75	22.99	-6.24
			SDM	AVG	106	54	135/143.4 (MCS11)	14.38	14.37	17.39	22.99	-5.60
			SDM	AVG	106	56	135/143.4 (MCS11)	14.16	14.01	17.10	22.99	-5.89
	5755	151	CDD	AVG	242	61	135/143.4 (MCS11)	20.08	19.86	22.98	30.00	-7.02
			CDD	AVG	242	62	135/143.4 (MCS11)	20.23	20.09	23.17	30.00	-6.83
	5795	159	CDD	AVG	242	61	135/143.4 (MCS11)	20.70	20.69	23.71	30.00	-6.29
			CDD	AVG	242	62	135/143.4 (MCS11)	20.86	20.85	23.87	30.00	-6.13

Table 7-53. FCC CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF8	Antenna WF7a	Summed		
5GHz (80MHz Bandwidth)	5210	42	CDD	AVG	484	65	135/143.4 (MCS11)	8.61	8.60	11.62	23.26	-11.64
			CDD	AVG	484	66	135/143.4 (MCS11)	8.87	8.88	11.89	23.26	-11.37
	5290	58	CDD	AVG	484	65	135/143.4 (MCS11)	10.34	10.27	13.32	22.74	-9.42
			CDD	AVG	484	66	135/143.4 (MCS11)	10.36	10.47	13.43	22.74	-9.31
	5530	106	CDD	AVG	484	65	135/143.4 (MCS11)	9.83	9.69	12.77	22.73	-9.96
			CDD	AVG	484	66	135/143.4 (MCS11)	9.96	9.96	12.97	22.73	-9.76
	5610	122	CDD	AVG	484	65	135/143.4 (MCS11)	15.77	15.74	18.77	22.73	-3.96
			CDD	AVG	484	66	135/143.4 (MCS11)	16.00	15.96	18.99	22.73	-3.74
	5690	138	SDM	AVG	106	53	135/143.4 (MCS11)	14.48	14.36	17.43	22.99	-5.56
			SDM	AVG	106	56	135/143.4 (MCS11)	14.50	14.47	17.50	22.99	-5.49
			SDM	AVG	106	60	135/143.4 (MCS11)	14.50	14.45	17.49	22.99	-5.50
	5775	155	CDD	AVG	484	65	135/143.4 (MCS11)	15.71	15.77	18.75	29.04	-10.29
			CDD	AVG	484	66	135/143.4 (MCS11)	15.84	15.95	18.91	29.04	-10.13

Table 7-54. FCC CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

ISED CDD/SDM Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna WF8	Antenna WF7a	Summed						
5GHz (20MHz Bandwidth)	5180	36	SDM	AVG	106	53	135/143.4 (MCS11)	10.13	10.10	13.13	-	-	3.71	16.84	22.46	-5.62
			SDM	AVG	106	54	135/143.4 (MCS11)	10.22	10.17	13.21	-	-	3.71	16.92	22.46	-5.54
	5200	40	SDM	AVG	106	53	135/143.4 (MCS11)	10.09	10.20	13.16	-	-	3.71	16.87	22.46	-5.59
			SDM	AVG	106	54	135/143.4 (MCS11)	10.16	10.25	13.22	-	-	3.71	16.93	22.46	-5.53
	5240	48	SDM	AVG	106	53	135/143.4 (MCS11)	10.00	10.21	13.12	-	-	3.71	16.83	22.46	-5.63
			SDM	AVG	106	54	135/143.4 (MCS11)	10.18	10.20	13.20	-	-	3.71	16.91	22.46	-5.55
	5260	52	CDD	AVG	106	53	135/143.4 (MCS11)	14.36	14.33	17.36	23.19	-5.83	6.26	23.62	29.19	-5.57
			CDD	AVG	106	54	135/143.4 (MCS11)	14.40	14.41	17.42	23.19	-5.77	6.26	23.68	29.19	-5.51
	5300	60	CDD	AVG	106	53	135/143.4 (MCS11)	14.30	14.32	17.32	23.19	-5.87	6.26	23.58	29.19	-5.61
			CDD	AVG	106	54	135/143.4 (MCS11)	14.37	14.47	17.43	23.19	-5.76	6.26	23.69	29.19	-5.50
	5320	64	CDD	AVG	106	53	135/143.4 (MCS11)	14.32	14.25	17.30	23.19	-5.89	6.26	23.56	29.19	-5.63
			CDD	AVG	106	54	135/143.4 (MCS11)	14.41	14.50	17.47	23.19	-5.72	6.26	23.73	29.19	-5.46
	5500	100	SDM	AVG	106	53	135/143.4 (MCS11)	14.19	14.37	17.29	22.99	-5.70	3.95	21.24	28.99	-7.75
			SDM	AVG	106	54	135/143.4 (MCS11)	14.42	14.44	17.44	22.99	-5.55	3.95	21.39	28.99	-7.60
	5580	116	SDM	AVG	106	53	135/143.4 (MCS11)	14.40	14.36	17.39	22.99	-5.60	3.95	21.34	28.99	-7.65
			SDM	AVG	106	54	135/143.4 (MCS11)	14.39	14.48	17.45	22.99	-5.54	3.95	21.40	28.99	-7.59
	5680	136	SDM	AVG	106	53	135/143.4 (MCS11)	14.17	14.18	17.19	22.99	-5.80	3.95	21.14	28.99	-7.85
			SDM	AVG	106	54	135/143.4 (MCS11)	14.32	14.32	17.33	22.99	-5.66	3.95	21.28	28.99	-7.71
	5700	140	CDD	AVG	106	53	135/143.4 (MCS11)	11.96	12.03	15.01	22.03	-7.02	6.96	21.97	28.03	-6.06
			CDD	AVG	106	54	135/143.4 (MCS11)	12.17	12.20	15.20	22.03	-6.83	6.96	22.16	28.03	-5.87
	5720	144	SDM	AVG	106	53	135/143.4 (MCS11)	14.37	14.30	17.35	22.99	-5.64	3.95	21.30	28.99	-7.69
			SDM	AVG	106	54	135/143.4 (MCS11)	14.45	14.36	17.42	22.99	-5.57	3.95	21.37	28.99	-7.62
	5745	149	CDD	AVG	106	53	135/143.4 (MCS11)	17.72	17.86	20.80	30.00	-9.20	5.55	26.35	-	-
			CDD	AVG	106	54	135/143.4 (MCS11)	17.95	18.00	20.99	30.00	-9.01	5.55	26.54	-	-
	5785	157	CDD	AVG	106	53	135/143.4 (MCS11)	17.79	17.99	20.90	30.00	-9.10	5.55	26.45	-	-
			CDD	AVG	106	54	135/143.4 (MCS11)	17.85	17.98	20.93	30.00	-9.07	5.55	26.48	-	-
	5825	165	CDD	AVG	106	53	135/143.4 (MCS11)	17.60	17.80	20.71	30.00	-9.29	5.55	26.26	-	-
			CDD	AVG	106	54	135/143.4 (MCS11)	17.88	17.74	20.82	30.00	-9.18	5.55	26.37	-	-

Table 7-55. ISED CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna WF8	Antenna WF7a	Summed						
5GHz (40MHz Bandwidth)	5190	38	SDM	AVG	242	61	135/143.4 (MCS11)	10.31	10.39	13.36	-	-	3.71	17.07	22.46	-5.39
			SDM	AVG	242	62	135/143.4 (MCS11)	10.47	10.38	13.44	-	-	3.71	17.15	22.46	-5.31
	5230	46	SDM	AVG	242	61	135/143.4 (MCS11)	12.17	12.20	15.20	-	-	3.71	18.91	22.46	-3.55
			SDM	AVG	242	62	135/143.4 (MCS11)	12.08	12.25	15.18	-	-	3.71	18.89	22.46	-3.57
	5270	54	CDD	AVG	242	61	135/143.4 (MCS11)	16.75	16.65	19.71	23.45	-3.74	3.25	22.96	29.45	-6.49
			CDD	AVG	242	62	135/143.4 (MCS11)	16.83	16.89	19.87	23.45	-3.58	3.25	23.12	29.45	-6.33
	5310	62	CDD	AVG	242	61	135/143.4 (MCS11)	12.13	12.06	15.11	23.45	-8.34	3.25	18.36	29.45	-11.09
			CDD	AVG	242	62	135/143.4 (MCS11)	12.21	12.25	15.24	23.45	-8.21	3.25	18.49	29.45	-10.96
	5510	102	SDM	AVG	242	61	135/143.4 (MCS11)	10.96	10.78	13.88	22.99	-9.11	3.95	17.83	28.99	-11.16
			SDM	AVG	242	62	135/143.4 (MCS11)	11.00	10.89	13.96	22.99	-9.03	3.95	17.91	28.99	-11.08
	5550	110	SDM	AVG	242	61	135/143.4 (MCS11)	16.85	16.91	19.89	22.99	-3.10	3.95	23.84	28.99	-5.15
			SDM	AVG	242	62	135/143.4 (MCS11)	17.00	17.00	20.01	22.99	-2.98	3.95	23.96	28.99	-5.03
	5670	134	CDD	AVG	242	61	135/143.4 (MCS11)	13.73	13.80	16.78	22.03	-5.25	6.96	23.74	28.03	-4.29
			CDD	AVG	242	62	135/143.4 (MCS11)	13.94	13.95	16.96	22.03	-5.07	6.96	23.92	28.03	-4.11
	5710	142	SDM	AVG	106	53	135/143.4 (MCS11)	13.78	13.70	16.75	22.99	-6.24	3.95	20.70	28.99	-8.29
			SDM	AVG	106	54	135/143.4 (MCS11)	14.38	14.37	17.39	22.99	-5.60	3.95	21.34	28.99	-7.65
			SDM	AVG	106	56	135/143.4 (MCS11)	14.16	14.01	17.10	22.99	-5.89	3.95	21.05	28.99	-7.94
	5755	151	CDD	AVG	242	61	135/143.4 (MCS11)	20.08	19.86	22.98	30.00	-7.02	2.63	25.61	-	-
			CDD	AVG	242	62	135/143.4 (MCS11)	20.23	20.09	23.17	30.00	-6.83	2.63	25.80	-	-
	5795	159	CDD	AVG	242	61	135/143.4 (MCS11)	20.70	20.69	23.71	30.00	-6.29	2.63	26.34	-	-
			CDD	AVG	242	62	135/143.4 (MCS11)	20.86	20.85	23.87	30.00	-6.13	2.63	26.50	-	-

Table 7-56. ISED CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna WF8	Antenna WF7a	Summed						
5GHz (80MHz Bandwidth)	5210	42	CDD	AVG	484	65	135/143.4 (MCS11)	8.61	8.60	11.62	-	-	6.72	18.34	22.46	-4.13
			CDD	AVG	484	66	135/143.4 (MCS11)	8.87	8.88	11.89	-	-	6.72	18.61	22.46	-3.86
	5290	58	CDD	AVG	484	65	135/143.4 (MCS11)	10.34	10.27	13.32	22.74	-9.42	6.72	20.04	28.74	-8.70
			CDD	AVG	484	66	135/143.4 (MCS11)	10.36	10.47	13.43	22.74	-9.31	6.72	20.15	28.74	-8.59
	5530	106	CDD	AVG	484	65	135/143.4 (MCS11)	9.83	9.69	12.77	22.73	-9.96	6.26	19.03	28.73	-9.70
			CDD	AVG	484	66	135/143.4 (MCS11)	9.96	9.96	12.97	22.73	-9.76	6.26	19.23	28.73	-9.50
	5690	138	SDM	AVG	106	53	135/143.4 (MCS11)	14.48	14.36	17.43	22.99	-5.56	3.95	21.38	28.99	-7.61
			SDM	AVG	106	56	135/143.4 (MCS11)	14.50	14.47	17.50	22.99	-5.49	3.95	21.45	28.99	-7.54
			SDM	AVG	106	60	135/143.4 (MCS11)	14.50	14.45	17.49	22.99	-5.50	3.95	21.44	28.99	-7.55
	5775	155	CDD	AVG	484	65	135/143.4 (MCS11)	15.71	15.77	18.75	29.04	-10.29	6.96	25.71	-	-
			CDD	AVG	484	66	135/143.4 (MCS11)	15.84	15.95	18.91	29.04	-10.13	6.96	25.87	-	-

Table 7-57. ISED CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

FCC CDD/SDM Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF8	Antenna WF7a	Summed		
	5180	36	CDD	AVG	242	61	135/143.4 (MCS11)	14.25	14.19	17.23	23.26	-6.03
	5200	40	SDM	AVG	242	61	135/143.4 (MCS11)	16.99	16.83	19.92	23.98	-4.06
	5240	48	SDM	AVG	242	61	135/143.4 (MCS11)	16.95	16.92	19.95	23.98	-4.03
	5260	52	SDM	AVG	242	61	135/143.4 (MCS11)	17.00	16.95	19.99	23.45	-3.46
	5300	60	SDM	AVG	242	61	135/143.4 (MCS11)	17.00	16.89	19.96	23.45	-3.49
	5320	64	CDD	AVG	242	61	135/143.4 (MCS11)	15.45	15.50	18.49	23.19	-4.70
	5500	100	CDD	AVG	242	61	135/143.4 (MCS11)	15.19	15.25	18.23	22.03	-3.80
	5520	104	SDM	AVG	242	61	135/143.4 (MCS11)	17.00	16.83	19.93	22.99	-3.06
	5580	116	SDM	AVG	242	61	135/143.4 (MCS11)	16.97	16.89	19.94	22.99	-3.05
	5680	136	SDM	AVG	242	61	135/143.4 (MCS11)	17.00	16.98	20.00	22.99	-2.99
	5700	140	CDD	AVG	242	61	135/143.4 (MCS11)	12.25	12.04	15.16	22.03	-6.87
	5720	144	SDM	AVG	242	61	135/143.4 (MCS11)	17.00	16.94	19.98	22.99	-3.01
	5745	149	CDD	AVG	242	61	135/143.4 (MCS11)	21.00	20.88	23.95	30.00	-6.05
	5785	157	CDD	AVG	242	61	135/143.4 (MCS11)	20.86	20.89	23.89	30.00	-6.11
	5825	165	CDD	AVG	242	61	135/143.4 (MCS11)	20.93	21.00	23.98	30.00	-6.02

Table 7-58. FCC CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF8	Antenna WF7a	Summed		
	5190	38	CDD	AVG	484	65	135/143.4 (MCS11)	10.50	10.39	13.46	23.26	-9.80
	5230	46	SDM	AVG	484	65	135/143.4 (MCS11)	19.00	19.00	22.01	23.98	-1.97
	5270	54	CDD	AVG	484	65	135/143.4 (MCS11)	19.00	18.99	22.01	23.19	-1.18
	5310	62	CDD	AVG	484	65	135/143.4 (MCS11)	11.92	12.00	14.97	23.19	-8.22
	5510	102	CDD	AVG	484	65	135/143.4 (MCS11)	11.00	10.92	13.97	22.03	-8.06
	5550	110	CDD	AVG	484	65	135/143.4 (MCS11)	17.46	17.50	20.49	22.03	-1.54
	5590	118	SDM	AVG	484	65	135/143.4 (MCS11)	19.50	19.46	22.49	22.99	-0.50
	5630	126	SDM	AVG	484	65	135/143.4 (MCS11)	19.50	19.50	22.51	22.99	-0.48
	5670	134	CDD	AVG	484	65	135/143.4 (MCS11)	13.62	13.54	16.59	22.03	-5.44
	5710	142	SDM	AVG	484	65	135/143.4 (MCS11)	19.46	19.45	22.47	22.99	-0.52
	5755	151	CDD	AVG	484	65	135/143.4 (MCS11)	19.85	20.00	22.94	30.00	-7.06
	5795	159	CDD	AVG	484	65	135/143.4 (MCS11)	20.94	20.90	23.93	30.00	-6.07

Table 7-59. FCC CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF8	Antenna WF7a	Summed		
	5210	42	CDD	AVG	996	67	135/143.4 (MCS11)	8.93	8.83	11.89	23.26	-11.37
	5290	58	CDD	AVG	996	67	135/143.4 (MCS11)	10.34	10.49	13.43	23.19	-9.76
	5530	106	CDD	AVG	996	67	135/143.4 (MCS11)	9.89	10.00	12.96	22.03	-9.07
	5610	122	CDD	AVG	996	67	135/143.4 (MCS11)	15.84	15.91	18.89	22.03	-3.14
	5690	138	SDM	AVG	996	67	135/143.4 (MCS11)	19.66	19.73	22.71	22.99	-0.28
	5775	155	CDD	AVG	996	67	135/143.4 (MCS11)	15.91	16.00	18.97	30.00	-11.03

Table 7-60. FCC CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

ISED CDD/SDM Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna WF8	Antenna WF7a	Summed						
	5180	36	SDM	AVG	242	61	135/143.4 (MCS11)	12.25	12.10	15.19	-	-	3.71	18.90	22.46	-3.56
	5200	40	SDM	AVG	242	61	135/143.4 (MCS11)	12.25	12.25	15.26	-	-	3.71	18.97	22.46	-3.49
	5240	48	SDM	AVG	242	61	135/143.4 (MCS11)	12.10	12.16	15.14	-	-	3.71	18.85	22.46	-3.61
	5260	52	SDM	AVG	242	61	135/143.4 (MCS11)	17.00	16.95	19.99	23.45	-3.46	3.25	23.24	29.45	-6.21
	5300	60	SDM	AVG	242	61	135/143.4 (MCS11)	17.00	16.89	19.96	23.45	-3.49	3.25	23.21	29.45	-6.24
	5320	64	CDD	AVG	242	61	135/143.4 (MCS11)	15.45	15.50	18.49	23.19	-4.70	6.26	24.75	29.19	-4.44
	5500	100	CDD	AVG	242	61	135/143.4 (MCS11)	15.19	15.25	18.23	22.03	-3.80	6.96	25.19	28.03	-2.84
	5520	104	SDM	AVG	242	61	135/143.4 (MCS11)	17.00	16.83	19.93	22.99	-3.06	3.95	23.88	28.99	-5.11
	5580	116	SDM	AVG	242	61	135/143.4 (MCS11)	16.97	16.89	19.94	22.99	-3.05	3.95	23.89	28.99	-5.10
	5680	136	SDM	AVG	242	61	135/143.4 (MCS11)	17.00	16.98	20.00	22.99	-2.99	3.95	23.95	28.99	-5.04
	5700	140	CDD	AVG	242	61	135/143.4 (MCS11)	12.25	12.04	15.16	22.03	-6.87	6.96	22.12	28.03	-5.91
	5720	144	SDM	AVG	242	61	135/143.4 (MCS11)	17.00	16.94	19.98	22.99	-3.01	3.95	23.93	28.99	-5.06
	5745	149	CDD	AVG	242	61	135/143.4 (MCS11)	21.00	20.88	23.95	30.00	-6.05	5.55	29.50	-	-
	5785	157	CDD	AVG	242	61	135/143.4 (MCS11)	20.86	20.89	23.89	30.00	-6.11	5.55	29.44	-	-
	5825	165	CDD	AVG	242	61	135/143.4 (MCS11)	20.93	21.00	23.98	30.00	-6.02	5.55	29.53	-	-

Table 7-61. ISED CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna WF8	Antenna WF7a	Summed						
	5190	38	SDM	AVG	484	65	135/143.4 (MCS11)	10.50	10.39	13.46	-	-	3.71	17.17	22.46	-5.29
	5230	46	SDM	AVG	484	65	135/143.4 (MCS11)	14.65	14.70	17.69	-	-	3.71	21.40	22.46	-1.06
	5270	54	CDD	AVG	484	65	135/143.4 (MCS11)	19.00	18.99	22.01	23.19	-1.18	6.26	28.27	29.19	-0.92
	5310	62	CDD	AVG	484	65	135/143.4 (MCS11)	11.92	12.00	14.97	23.19	-8.22	6.26	21.23	29.19	-7.96
	5510	102	CDD	AVG	484	65	135/143.4 (MCS11)	11.00	10.92	13.97	22.03	-8.06	6.96	20.93	28.03	-7.10
	5550	110	CDD	AVG	484	65	135/143.4 (MCS11)	17.46	17.50	20.49	22.03	-1.54	6.96	27.45	28.03	-0.58
	5670	134	CDD	AVG	484	65	135/143.4 (MCS11)	13.62	13.54	16.59	22.03	-5.44	6.96	23.55	28.03	-4.48
	5710	142	SDM	AVG	484	65	135/143.4 (MCS11)	19.46	19.45	22.47	22.99	-0.52	3.95	26.42	28.99	-2.57
	5755	151	CDD	AVG	484	65	135/143.4 (MCS11)	19.85	20.00	22.94	30.00	-7.06	5.55	28.49	-	-
	5795	159	CDD	AVG	484	65	135/143.4 (MCS11)	20.94	20.90	23.93	30.00	-6.07	5.55	29.48	-	-

Table 7-62. ISED CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
								Antenna WF8	Antenna WF7a	Summed						
	5210	42	CDD	AVG	996	67	135/143.4 (MCS11)	8.93	8.83	11.89	-	-	6.72	18.61	22.46	-3.86
	5290	58	CDD	AVG	996	67	135/143.4 (MCS11)	10.34	10.49	13.43	23.19	-9.76	6.26	19.69	29.19	-9.50
	5530	106	CDD	AVG	996	67	135/143.4 (MCS11)	9.89	10.00	12.96	22.03	-9.07	6.96	19.92	28.03	-8.11
	5690	138	SDM	AVG	996	67	135/143.4 (MCS11)	19.66	19.73	22.71	22.99	-0.28	3.95	26.66	28.99	-2.33
	5775	155	CDD	AVG	996	67	135/143.4 (MCS11)	15.91	16.00	18.97	30.00	-11.03	5.55	24.52	-	-

Table 7-63. ISED CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

Note:

Per ANSI C63.10-2013 and KDB 662911 v02r01 Section E)1), the conducted powers at Antenna WF8 and Antenna WF7a were first measured separately during CDD/SDM transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2013 Subclause 14.4.3, the correlated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT}, the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \ldots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi}$$

Per ANSI C63.10-2013 Subclause 14.4.3, the uncorrelated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT}, the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \ldots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

Sample CDD/SDM Calculation:

At 5180MHz in 802.11ax (20MHz BW) mode, the average conducted output power was measured to be 7.84 dBm for Antenna WF8 and 7.70 dBm for Antenna WF7a.

Antenna WF8 + Antenna WF7a = SDM

(7.84 dBm + 7.70 dBm) = (6.08 mW + 5.89 mW) = 11.97 mW = 10.78 dBm

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11ax (20MHz BW, SDM) mode, the average SDM conducted power was calculated to be 15.54 dBm with directional gain of 3.71 dBi.

e.i.r.p. (dBm) = Conducted Power (dBm) + Ant gain (dBi)

10.78 dBm + 3.71 dBi = 14.49#VALUE! dBm

7.5 Maximum Power Spectral Density – 802.11ax OFDMA

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3); RSS-247 [6.2]

Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, was used to measure the power spectral density.

In the 5.15 – 5.25GHz, 5.25 – 5.35GHz, 5.47 – 5.725GHz bands, the maximum permissible power spectral density is 11dBm/MHz.

In the 5.725 – 5.850GHz band, the maximum permissible power spectral density is 30dBm/500kHz.

Test Procedure Used

ANSI C63.10-2013 – Subclause 12.3.2.2
KDB 789033 D02 v02r01 – Section F
ANSI C63.10-2013 – Subclause 14.3.2.2 Measure-and-Sum Technique
KDB 662911 v02r01 – Section E)2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire emission bandwidth of the signal
3. RBW = 1MHz
4. VBW = 3MHz
5. Number of sweep points ≥ 2 x (span/RBW)
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. All of the partially-loaded RU configurations have been investigated for Power Spectral Density measurement and among all partially-loaded RU configurations, the RU26 configuration was found to be the worst case. Therefore, only the RU26 (Partially-loaded RU) and RU242 (Fully-loaded RU) data are included in this section.
2. Low, mid, and high channels were tested and tabular data has been reported. Only mid channel psd plots have been reported.

Antenna WF8 Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26	0	135/143.4 (MCS11)	9.23	11.0	-1.77
				26	4	135/143.4 (MCS11)	8.97	11.0	-2.03
				26	8	135/143.4 (MCS11)	9.90	11.0	-1.11
	5200	40	ax (20MHz)	26	0	135/143.4 (MCS11)	9.70	11.0	-1.30
				26	4	135/143.4 (MCS11)	9.37	11.0	-1.63
				26	8	135/143.4 (MCS11)	9.93	11.0	-1.07
	5240	48	ax (20MHz)	26	0	135/143.4 (MCS11)	10.05	11.0	-0.95
				26	4	135/143.4 (MCS11)	9.69	11.0	-1.31
				26	8	135/143.4 (MCS11)	10.07	11.0	-0.93
	5190	38	ax (40MHz)	26	0	135/143.4 (MCS11)	9.20	11.0	-1.80
				26	8	135/143.4 (MCS11)	10.46	11.0	-0.54
				26	17	135/143.4 (MCS11)	9.83	11.0	-1.18
	5230	46	ax (40MHz)	26	0	135/143.4 (MCS11)	9.66	11.0	-1.34
				26	8	135/143.4 (MCS11)	10.08	11.0	-0.92
				26	17	135/143.4 (MCS11)	9.80	11.0	-1.20
	5210	42	ax (80MHz)	26	0	135/143.4 (MCS11)	9.17	11.0	-1.83
				26	18	135/143.4 (MCS11)	8.46	11.0	-2.54
				26	36	135/143.4 (MCS11)	9.41	11.0	-1.59
Band 2A	5260	52	ax (20MHz)	26	0	135/143.4 (MCS11)	10.21	11.0	-0.79
				26	4	135/143.4 (MCS11)	9.74	11.0	-1.26
				26	8	135/143.4 (MCS11)	9.79	11.0	-1.21
	5280	56	ax (20MHz)	26	0	135/143.4 (MCS11)	10.03	11.0	-0.97
				26	4	135/143.4 (MCS11)	9.22	11.0	-1.78
				26	8	135/143.4 (MCS11)	9.93	11.0	-1.07
	5320	64	ax (20MHz)	26	0	135/143.4 (MCS11)	9.26	11.0	-1.74
				26	4	135/143.4 (MCS11)	8.77	11.0	-2.24
				26	8	135/143.4 (MCS11)	9.58	11.0	-1.43
	5270	54	ax (40MHz)	26	0	135/143.4 (MCS11)	9.55	11.0	-1.45
				26	8	135/143.4 (MCS11)	9.47	11.0	-1.53
				26	17	135/143.4 (MCS11)	9.28	11.0	-1.72
	5310	62	ax (40MHz)	26	0	135/143.4 (MCS11)	9.42	11.0	-1.58
				26	8	135/143.4 (MCS11)	10.07	11.0	-0.93
				26	17	135/143.4 (MCS11)	8.88	11.0	-2.12
	5290	58	ax (80MHz)	26	0	135/143.4 (MCS11)	9.52	11.0	-1.48
				26	18	135/143.4 (MCS11)	8.55	11.0	-2.45
				26	36	135/143.4 (MCS11)	8.99	11.0	-2.01
Band 2C	5500	100	ax (20MHz)	26	0	135/143.4 (MCS11)	8.99	11.0	-2.01
				26	4	135/143.4 (MCS11)	8.66	11.0	-2.34
				26	8	135/143.4 (MCS11)	8.97	11.0	-2.03
	5580	116	ax (20MHz)	26	0	135/143.4 (MCS11)	9.27	11.0	-1.73
				26	4	135/143.4 (MCS11)	8.61	11.0	-2.39
				26	8	135/143.4 (MCS11)	9.18	11.0	-1.82
	5700	140	ax (20MHz)	26	0	135/143.4 (MCS11)	8.88	11.0	-2.12
				26	4	135/143.4 (MCS11)	8.58	11.0	-2.43
				26	8	135/143.4 (MCS11)	9.22	11.0	-1.78
	5720	144	ax (20MHz)	26	0	135/143.4 (MCS11)	9.18	11.0	-1.82
				26	4	135/143.4 (MCS11)	8.35	11.0	-2.65
				26	8	135/143.4 (MCS11)	9.29	11.0	-1.71
	5510	102	ax (40MHz)	26	0	135/143.4 (MCS11)	8.55	11.0	-2.46
				26	8	135/143.4 (MCS11)	9.66	11.0	-1.34
				26	17	135/143.4 (MCS11)	8.84	11.0	-2.16
	5550	110	ax (40MHz)	26	0	135/143.4 (MCS11)	8.96	11.0	-2.04
				26	8	135/143.4 (MCS11)	9.74	11.0	-1.26
				26	17	135/143.4 (MCS11)	8.99	11.0	-2.01
	5710	142	ax (40MHz)	26	0	135/143.4 (MCS11)	8.73	11.0	-2.27
				26	8	135/143.4 (MCS11)	9.67	11.0	-1.33
				26	17	135/143.4 (MCS11)	9.00	11.0	-2.00
	5530	106	ax (80MHz)	26	0	135/143.4 (MCS11)	8.53	11.0	-2.47
				26	18	135/143.4 (MCS11)	7.99	11.0	-3.01
				26	36	135/143.4 (MCS11)	8.86	11.0	-2.14
	5610*	122	ax (80MHz)	26	0	135/143.4 (MCS11)	9.03	11.0	-1.97
				26	18	135/143.4 (MCS11)	7.88	11.0	-3.12
				26	36	135/143.4 (MCS11)	8.80	11.0	-2.20
	5690	138	ax (80MHz)	26	0	135/143.4 (MCS11)	8.28	11.0	-2.72
				26	18	135/143.4 (MCS11)	8.06	11.0	-2.94
				26	36	135/143.4 (MCS11)	8.99	11.0	-2.01

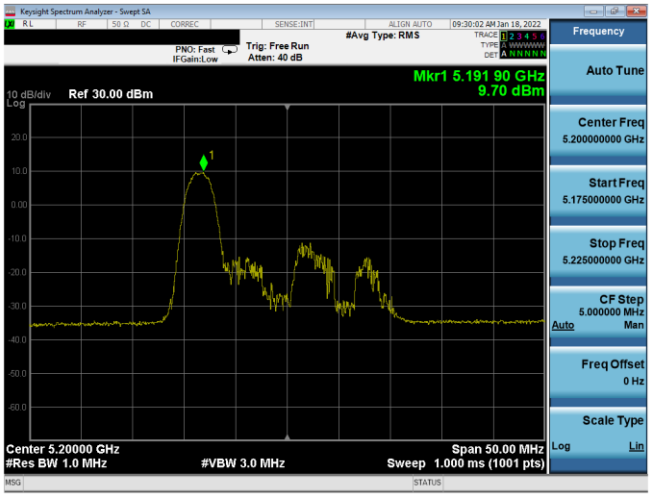
Table 7-64. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF8 (RU26)

*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

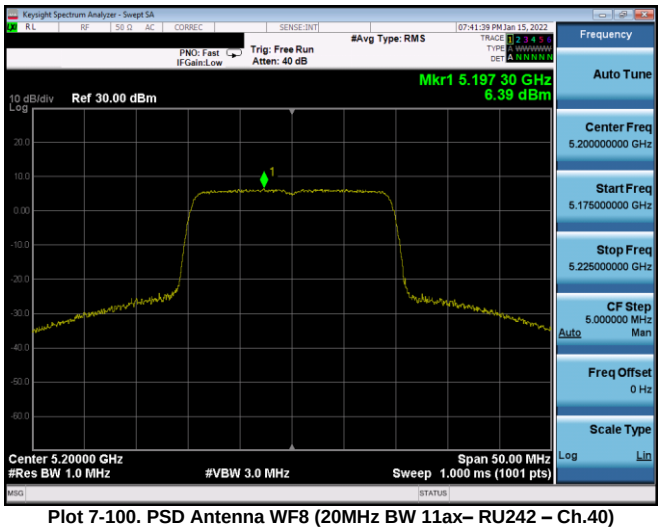
	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242	61	135/143.4 (MCS11)	3.83	11.0	-7.18
	5200	40	ax (20MHz)	242	61	135/143.4 (MCS11)	6.39	11.0	-4.61
	5240	48	ax (20MHz)	242	61	135/143.4 (MCS11)	9.74	11.0	-1.26
	5190	38	ax (40MHz)	484	65	135/143.4 (MCS11)	-0.44	11.0	-11.44
	5230	46	ax (40MHz)	484	65	135/143.4 (MCS11)	6.73	11.0	-4.27
	5210	42	ax (80MHz)	996	67	135/143.4 (MCS11)	-4.60	11.0	-15.60
Band 2A	5260	52	ax (20MHz)	242	61	135/143.4 (MCS11)	9.78	11.0	-1.22
	5280	56	ax (20MHz)	242	61	135/143.4 (MCS11)	8.56	11.0	-2.44
	5320	64	ax (20MHz)	242	61	135/143.4 (MCS11)	4.35	11.0	-6.65
	5270	54	ax (40MHz)	484	65	135/143.4 (MCS11)	6.34	11.0	-4.66
	5310	62	ax (40MHz)	484	65	135/143.4 (MCS11)	-0.77	11.0	-11.77
	5290	58	ax (80MHz)	996	67	135/143.4 (MCS11)	-3.06	11.0	-14.06
Band 2C	5500	100	ax (20MHz)	242	61	135/143.4 (MCS11)	5.83	11.0	-5.17
	5580	116	ax (20MHz)	242	61	135/143.4 (MCS11)	8.91	11.0	-2.09
	5700	140	ax (20MHz)	242	61	135/143.4 (MCS11)	2.34	11.0	-8.66
	5720	144	ax (20MHz)	242	61	135/143.4 (MCS11)	8.95	11.0	-2.05
	5510	102	ax (40MHz)	484	65	135/143.4 (MCS11)	-1.49	11.0	-12.49
	5550	110	ax (40MHz)	484	65	135/143.4 (MCS11)	5.69	11.0	-5.31
	5670	134	ax (40MHz)	484	65	135/143.4 (MCS11)	2.80	11.0	-8.20
	5710	142	ax (40MHz)	484	65	135/143.4 (MCS11)	7.10	11.0	-3.90
	5530	106	ax (80MHz)	996	67	135/143.4 (MCS11)	-3.69	11.0	-14.69
	5610*	122	ax (80MHz)	996	67	135/143.4 (MCS11)	1.68	11.0	-9.33
	5690	138	ax (80MHz)	996	67	135/143.4 (MCS11)	2.40	11.0	-8.60

Table 7-65. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF8 (Fully-loaded RU)

*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

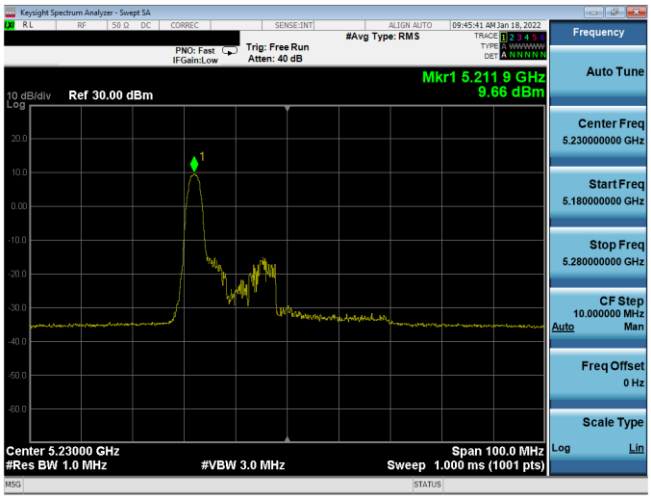


Plot 7-97. PSD Antenna WF8 (20MHz BW 11ax Index 0 – RU26 – Ch.40)

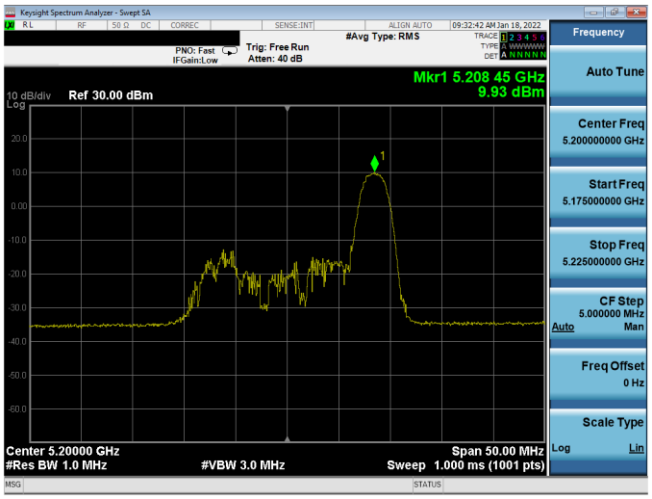


Plot 7-100. PSD Antenna WF8 (20MHz BW 11ax– RU242 – Ch.40)

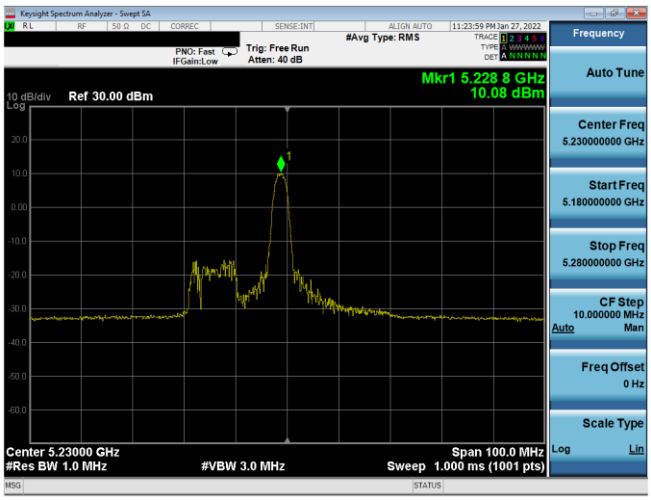
Plot 7-98. PSD Antenna WF8 (20MHz BW 11ax Index 4 – RU26 – Ch.40)



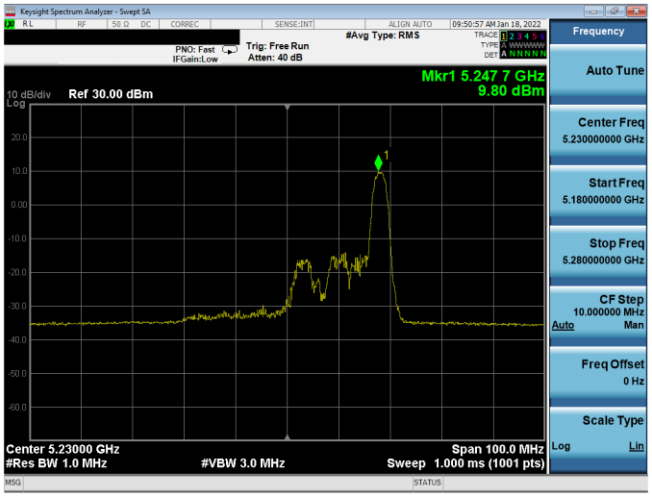
Plot 7-101. PSD Antenna WF8 (40MHz BW 11ax Index 0 – RU26 – Ch.46)



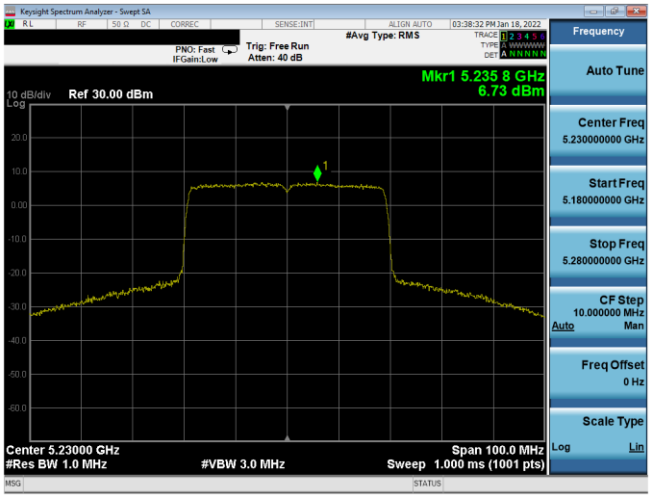
Plot 7-99. PSD Antenna WF8 (20MHz BW 11ax Index 8– RU26 – Ch.40)



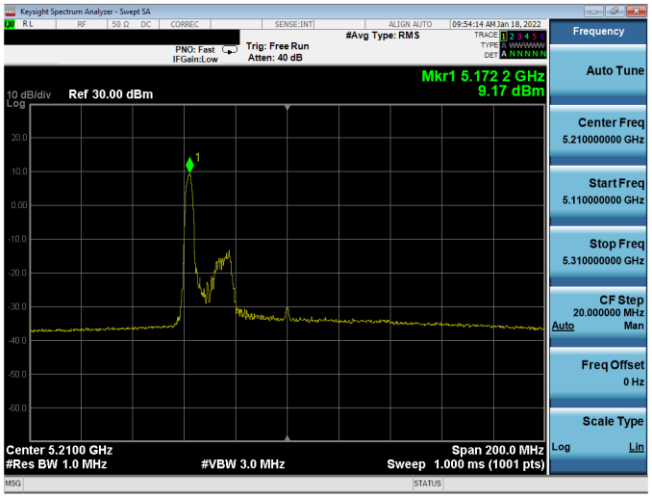
Plot 7-102. PSD Antenna WF8 (40MHz BW 11ax Index 8 – RU26 – Ch.46)



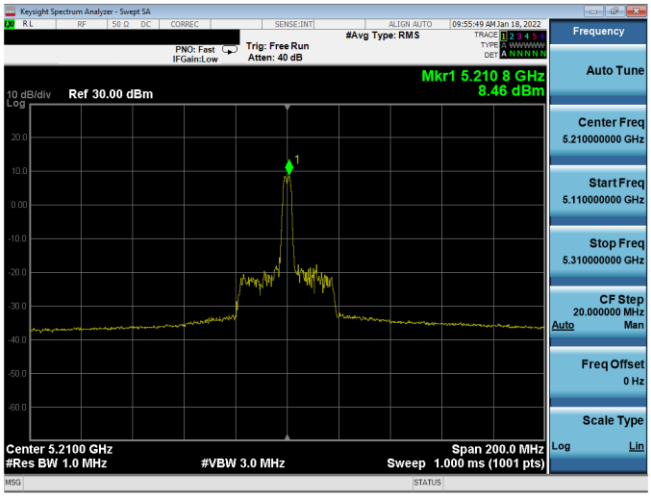
Plot 7-103. PSD Antenna WF8 (40MHz BW 11ax Index 17 – RU26 – Ch.46)



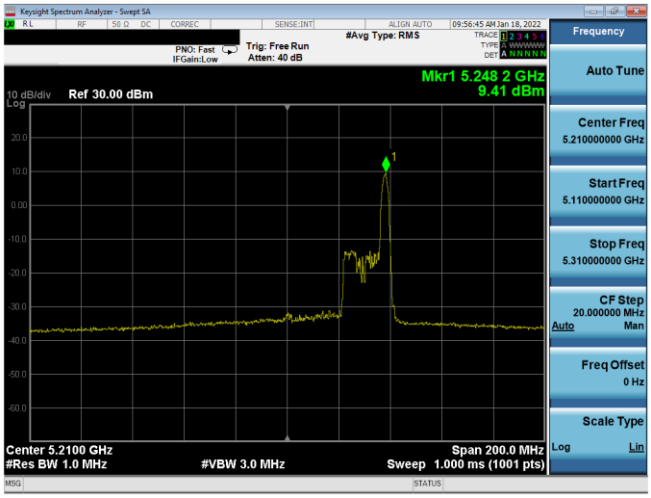
Plot 7-104. PSD Antenna WF8 (40MHz BW 11ax – RU484 – Ch.46)



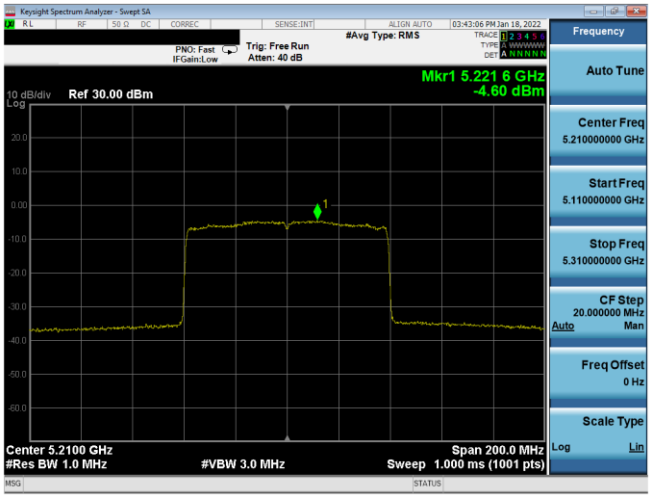
Plot 7-105. PSD Antenna WF8 (80MHz BW 11ax Index 0 – RU26 – Ch.42)



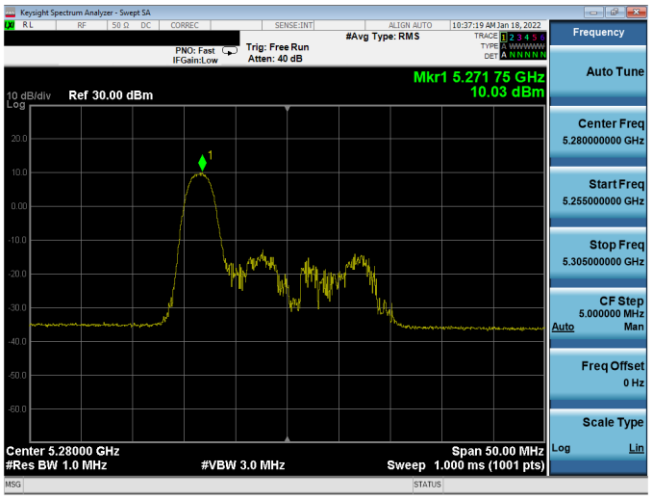
Plot 7-106. PSD Antenna WF8 (80MHz BW 11ax Index 18 – RU26 – Ch.42)



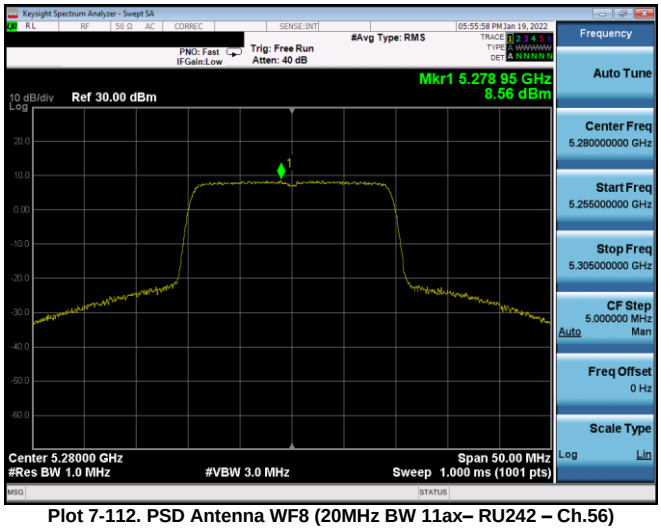
Plot 7-107. PSD Antenna WF8 (80MHz BW 11ax Index 36 – RU26 – Ch.42)



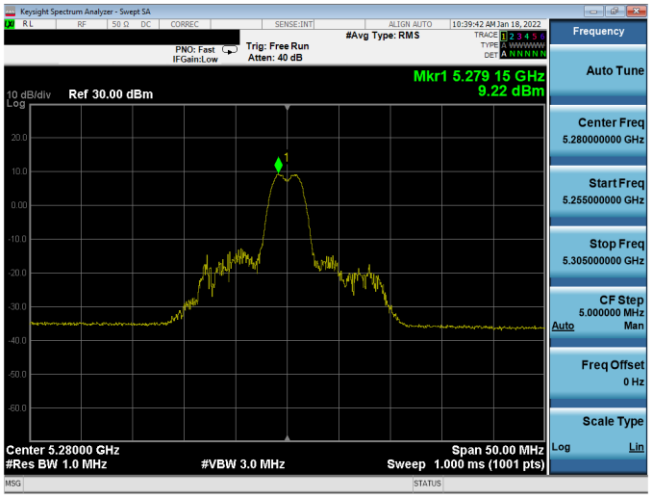
Plot 7-108. PSD Antenna WF8 (80MHz BW 11ax – RU996 – Ch.42)



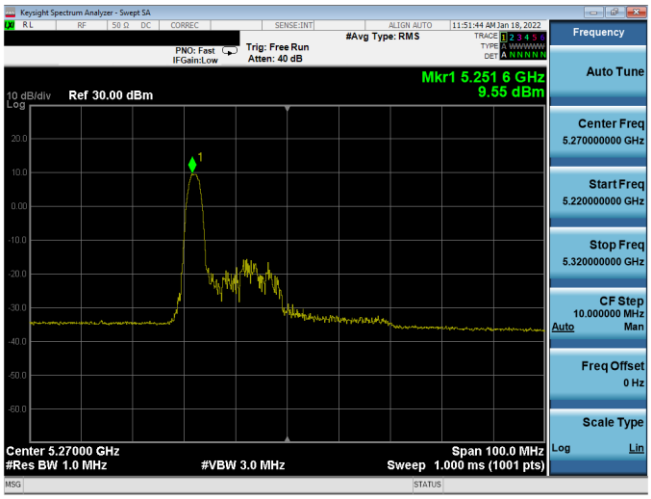
Plot 7-109. PSD Antenna WF8 (20MHz BW 11ax Index 0 – RU26 – Ch.56)



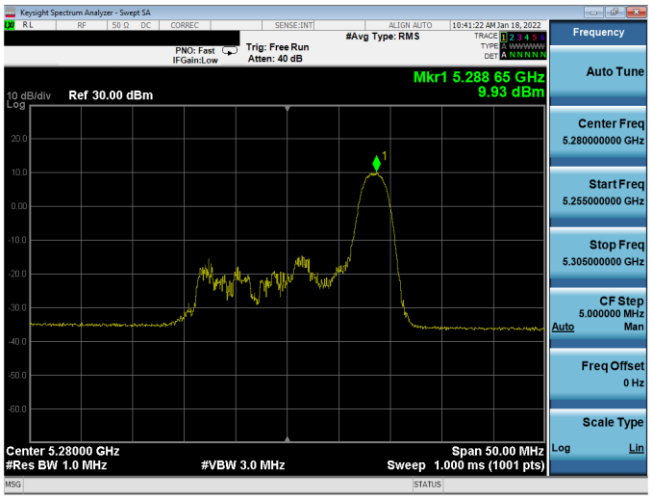
Plot 7-112. PSD Antenna WF8 (20MHz BW 11ax– RU242 – Ch.56)



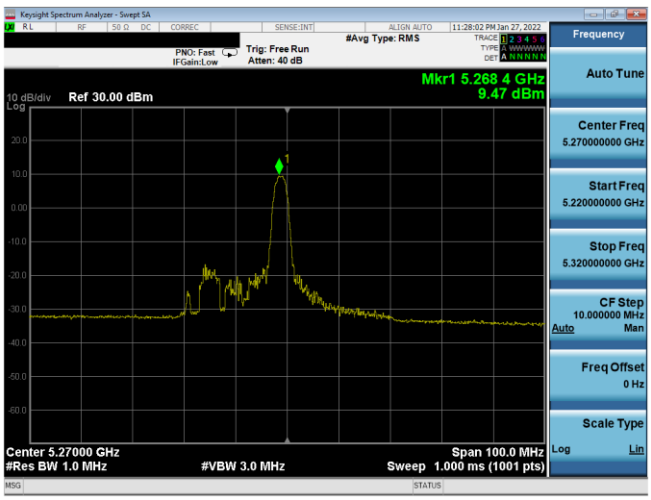
Plot 7-110. PSD Antenna WF8 (20MHz BW 11ax Index 4 – RU26 – Ch.56)



Plot 7-113. PSD Antenna WF8 (40MHz BW 11ax Index 0 – RU26 – Ch.54)



Plot 7-111. PSD Antenna WF8 (20MHz BW 11ax Index 8– RU26 – Ch.56)



Plot 7-114. PSD Antenna WF8 (40MHz BW 11ax Index 8 – RU26 – Ch.54)