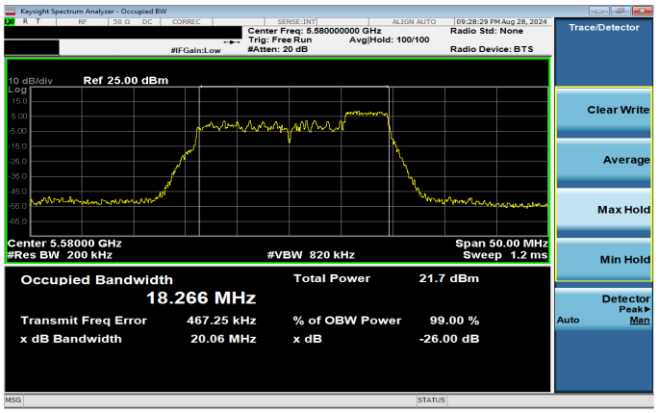
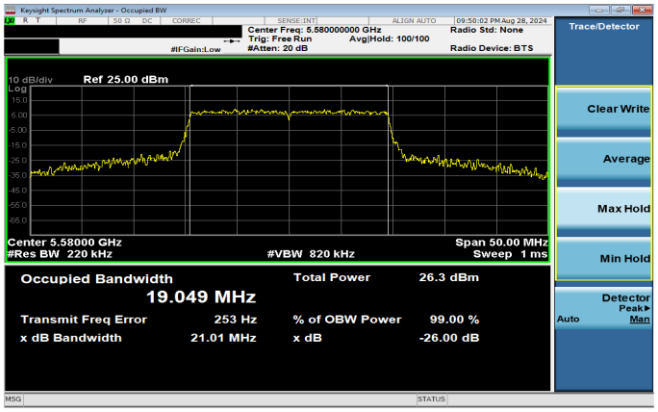
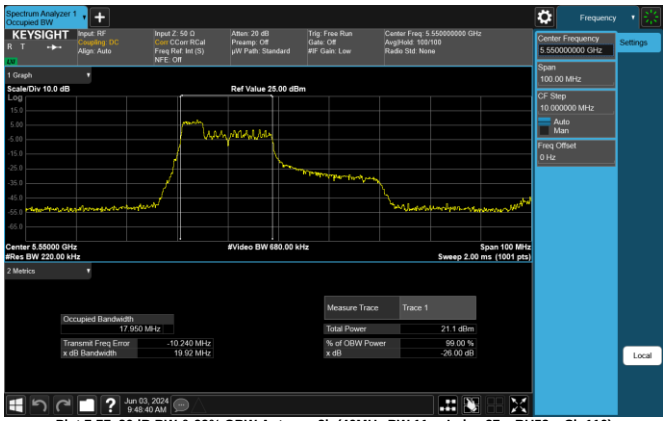


Plot 7-75. 26dB BW & 99% OBW Antenna 3b (20MHz BW 11ax Index 40 – RU52 – Ch.116)

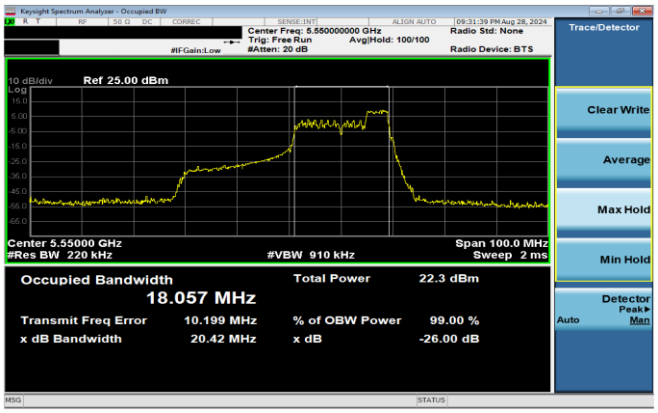


Plot 7-76. 26dB BW & 99% OBW Antenna 3b (20MHz BW 11ax– RU242 – Ch.116)



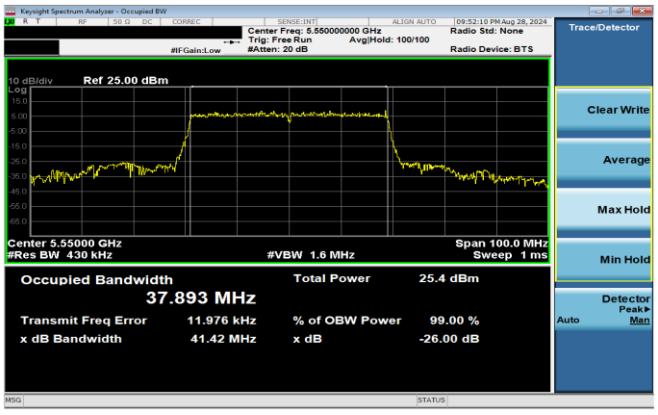
Plot 7-78. 26dB BW & 99% OBW Antenna 3b (40MHz BW 11ax Index 40 – RU52 – Ch.110)

Plot 7-76. 26dB BW & 99% OBW Antenna 3b (20MHz BW 11ax– RU242 – Ch.116)

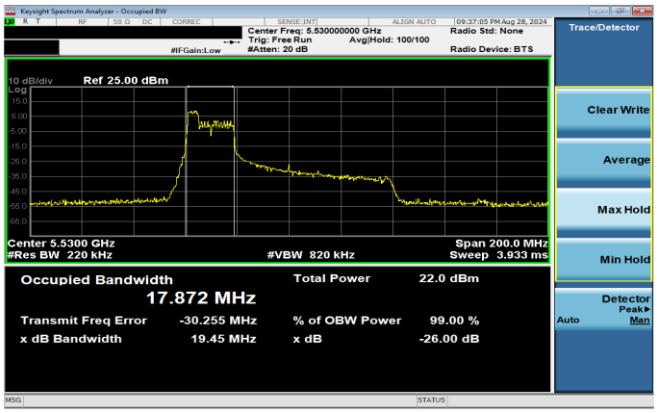


Plot 7-79. 26dB BW & 99% OBW Antenna 3b (40MHz BW 11ax Index 44 – RU52 – Ch.110)

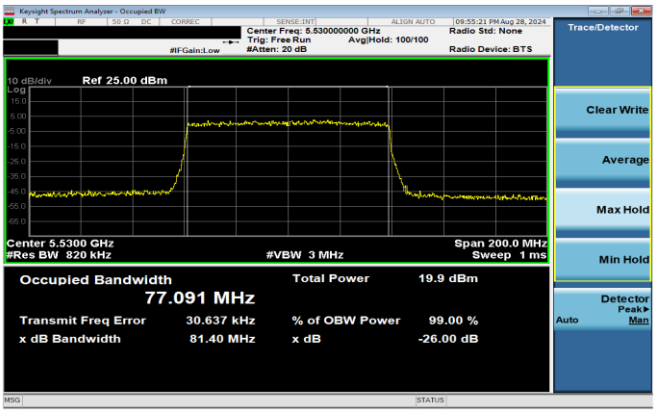
Plot 7-77. 26dB BW & 99% OBW Antenna 3b (40MHz BW 11ax Index 37 – RU52 – Ch.110)



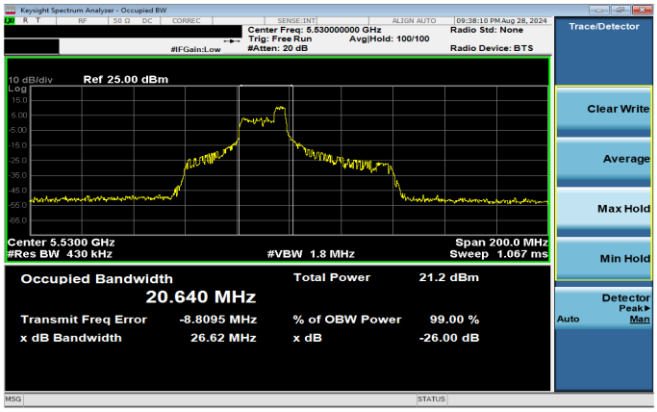
Plot 7-80. 26dB BW & 99% OBW Antenna 3b (40MHz BW 11ax – RU484 – Ch.110)



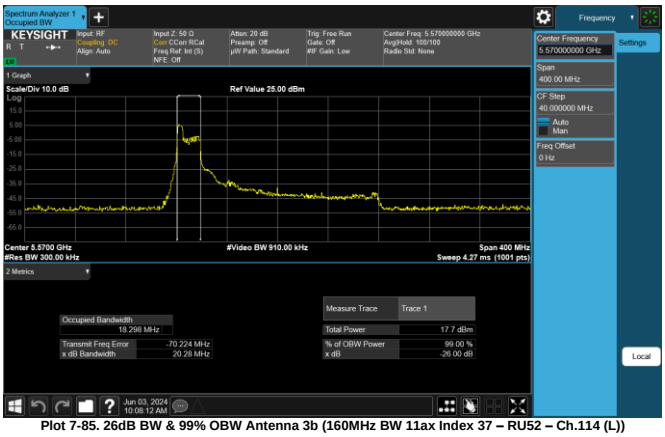
Plot 7-81. 26dB BW & 99% OBW Antenna 3b (80MHz BW 11ax Index 37 – RU52 – Ch.106)



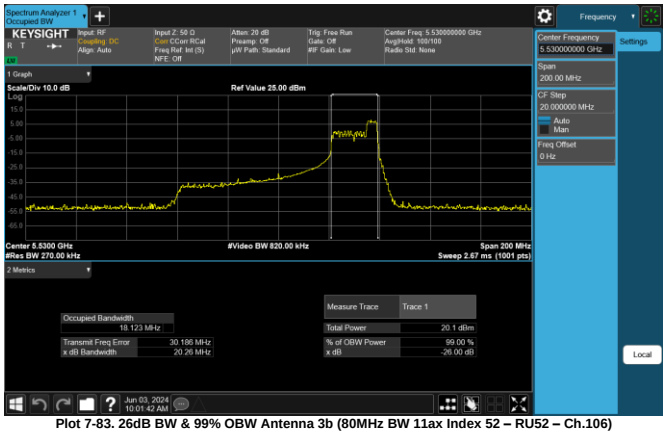
Plot 7-84. 26dB BW & 99% OBW Antenna 3b (80MHz BW 11ax – RU996 – Ch.106)



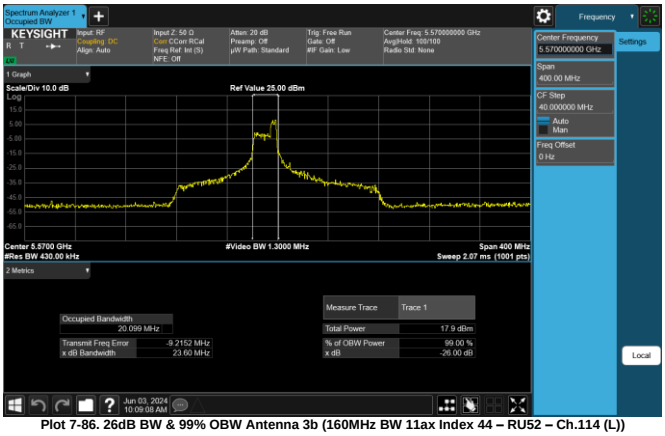
Plot 7-82. 26dB BW & 99% OBW Antenna 3b (80MHz BW 11ax Index 44 – RU52 – Ch.106)



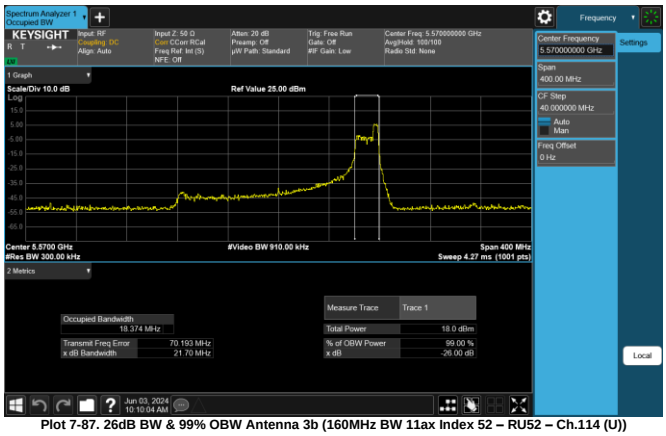
Plot 7-85. 26dB BW & 99% OBW Antenna 3b (160MHz BW 11ax Index 37 – RU52 – Ch.114 (L))



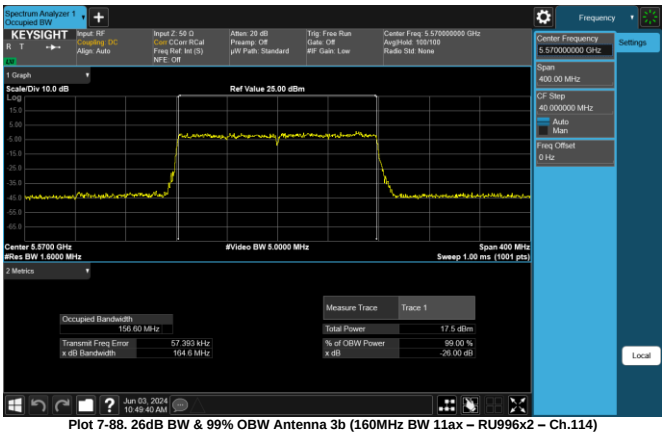
Plot 7-83. 26dB BW & 99% OBW Antenna 3b (80MHz BW 11ax Index 52 – RU52 – Ch.106)



Plot 7-86. 26dB BW & 99% OBW Antenna 3b (160MHz BW 11ax Index 44 – RU52 – Ch.114 (L))



Plot 7-87. 26dB BW & 99% OBW Antenna 3b (160MHz BW 11ax Index 52 – RU52 – Ch.114 (U))



Plot 7-88. 26dB BW & 99% OBW Antenna 3b (160MHz BW 11ax – RU996x2 – Ch.114)

7.2.3 Antenna 1b 26dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.27	19.47
				26	4	12.5/14.7 (MCS11)	17.01	18.06
				26	8	12.5/14.7 (MCS11)	18.34	19.43
	5200	40	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.19	19.43
				26	4	12.5/14.7 (MCS11)	17.10	18.13
				26	8	12.5/14.7 (MCS11)	18.32	19.45
	5240	48	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.16	19.53
				26	4	12.5/14.7 (MCS11)	17.04	18.13
				26	8	12.5/14.7 (MCS11)	18.30	19.43
	5190	38	ax (40MHz)	26	0	12.5/14.7 (MCS11)	18.04	19.56
				26	8	12.5/14.7 (MCS11)	19.51	21.21
				26	17	12.5/14.7 (MCS11)	18.09	19.53
	5230	46	ax (40MHz)	26	0	12.5/14.7 (MCS11)	17.98	19.57
				26	8	12.5/14.7 (MCS11)	19.57	22.04
				26	17	12.5/14.7 (MCS11)	18.16	19.91
	5210	42	ax (80MHz)	26	0	12.5/14.7 (MCS11)	18.07	19.25
				26	18	12.5/14.7 (MCS11)	37.00	38.34
				26	36	12.5/14.7 (MCS11)	18.19	19.68

Table 7-8. Conducted BW Measurements Antenna 1b (RU26)

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1/2A	5250	50 (L)	ax (160MHz)	52	37	25/29.4 (MCS11)	18.31	20.57
				52	52	25/29.4 (MCS11)	18.92	22.43
		50 (U)		52	52	25/29.4 (MCS11)	18.57	22.02
Band 2A	5260	52	ax (20MHz)	52	37	25/29.4 (MCS11)	18.10	19.63
				52	38	25/29.4 (MCS11)	17.12	18.43
				52	40	25/29.4 (MCS11)	18.21	19.66
	5300	60	ax (20MHz)	52	37	25/29.4 (MCS11)	18.07	19.58
				52	38	25/29.4 (MCS11)	17.17	18.37
				52	40	25/29.4 (MCS11)	18.23	19.95
	5320	64	ax (20MHz)	52	37	25/29.4 (MCS11)	18.09	19.70
				52	38	25/29.4 (MCS11)	17.10	18.20
				52	40	25/29.4 (MCS11)	18.22	19.74
	5270	54	ax (40MHz)	52	37	25/29.4 (MCS11)	17.92	20.05
				52	40	25/29.4 (MCS11)	19.28	22.67
				52	44	25/29.4 (MCS11)	18.09	20.37
	5310	62	ax (40MHz)	52	37	25/29.4 (MCS11)	17.88	19.84
				52	40	25/29.4 (MCS11)	19.20	23.46
				52	44	25/29.4 (MCS11)	17.99	19.84
	5290	58	ax (80MHz)	52	37	25/29.4 (MCS11)	17.91	19.58
				52	44	25/29.4 (MCS11)	20.04	24.37
				52	52	25/29.4 (MCS11)	18.06	20.69
Band 2C	5500	100	ax (20MHz)	52	37	25/29.4 (MCS11)	18.17	19.70
				52	38	25/29.4 (MCS11)	17.09	18.44
				52	40	25/29.4 (MCS11)	18.19	19.47
	5580	116	ax (20MHz)	52	37	25/29.4 (MCS11)	18.11	19.40
				52	38	25/29.4 (MCS11)	17.19	18.31
				52	40	25/29.4 (MCS11)	18.26	19.46
	5600*	120	ax (20MHz)	52	37	25/29.4 (MCS11)	18.14	19.67
				52	38	25/29.4 (MCS11)	17.10	18.38
				52	40	25/29.4 (MCS11)	18.23	19.84
	5720	144	ax (20MHz)	52	37	25/29.4 (MCS11)	18.13	19.46
				52	38	25/29.4 (MCS11)	17.07	18.36
				52	40	25/29.4 (MCS11)	18.22	19.70
	5510	102	ax (40MHz)	52	37	25/29.4 (MCS11)	17.89	20.05
				52	40	25/29.4 (MCS11)	19.33	23.23
				52	44	25/29.4 (MCS11)	18.06	20.36
	5550	110	ax (40MHz)	52	37	25/29.4 (MCS11)	17.96	20.27
				52	40	25/29.4 (MCS11)	19.11	23.18
				52	44	25/29.4 (MCS11)	17.97	20.39
	5710	142	ax (40MHz)	52	37	25/29.4 (MCS11)	17.91	19.77
				52	40	25/29.4 (MCS11)	19.26	24.40
				52	44	25/29.4 (MCS11)	18.06	20.53
	5530	106	ax (80MHz)	52	37	25/29.4 (MCS11)	17.99	19.78
				52	44	25/29.4 (MCS11)	20.18	23.44
				52	52	25/29.4 (MCS11)	18.12	20.27
	5610*	122	ax (80MHz)	52	37	25/29.4 (MCS11)	17.92	19.75
				52	44	25/29.4 (MCS11)	19.82	24.87
				52	52	25/29.4 (MCS11)	18.12	20.61
	5690	138	ax (80MHz)	52	37	25/29.4 (MCS11)	17.99	19.83
				52	44	25/29.4 (MCS11)	19.88	25.03
				52	52	25/29.4 (MCS11)	18.06	20.17
	5570*	114 (L)	ax (160MHz)	52	37	25/29.4 (MCS11)	18.27	20.49
				52	52	25/29.4 (MCS11)	19.71	23.58
		114 (U)		52	52	25/29.4 (MCS11)	18.45	21.82

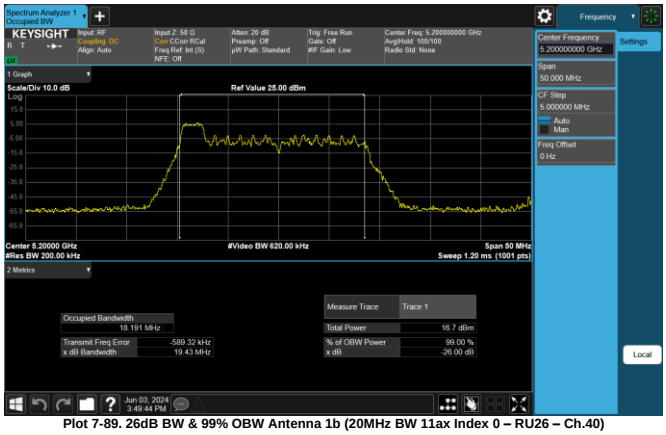
Table 7-9. Conducted BW Measurements Antenna 1b (RU52)

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

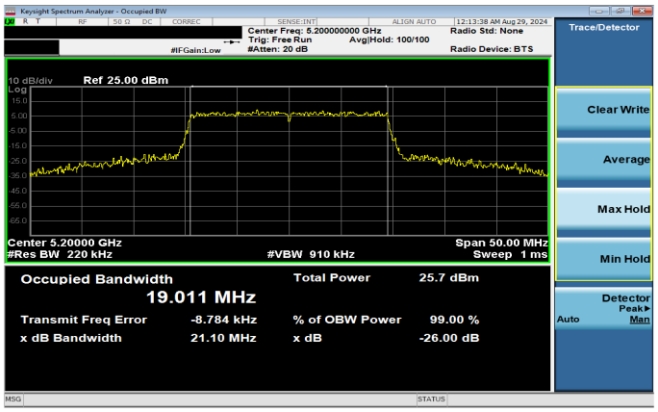
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 26dB Bandwidth [MHz]
Band 1	5180	36	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.00	21.16
	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.01	21.10
	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.03	21.22
	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.90	41.11
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.94	41.10
	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.02	80.89
Band 1/2A	5250	50	ax (160MHz)	996x2	68	1020.8/1201 (MCS11)	156.67	164.37
Band 2A	5260	52	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.99	20.93
	5300	60	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.99	21.20
	5320	64	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.01	21.00
	5270	54	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.97	40.98
	5310	62	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.88	41.23
	5290	58	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.02	81.82
Band 2C	5500	100	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.01	20.80
	5580	116	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.98	21.03
	5600*	120	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.12	21.11
	5720	144	ax (20MHz)	242	61	121.9/143.4 (MCS11)	19.01	20.93
	5510	102	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.92	41.03
	5550	110	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.95	41.51
	5710	142	ax (40MHz)	484	65	243.8/286.8 (MCS11)	38.12	65.47
	5530	106	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.11	80.95
	5610*	122	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.18	80.83
	5690	138	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.36	97.79
	5570*	114	ax (160MHz)	996x2	68	1020.8/1201 (MCS11)	156.71	166.22

Table 7-10. Conducted BW Measurements Antenna 1b (Fully – loaded RU)

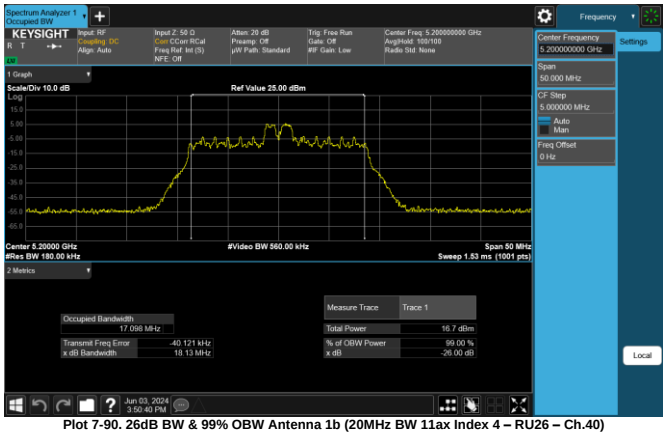
*TDWR channel is not supported for ISED (denoted by a * next to the frequency)



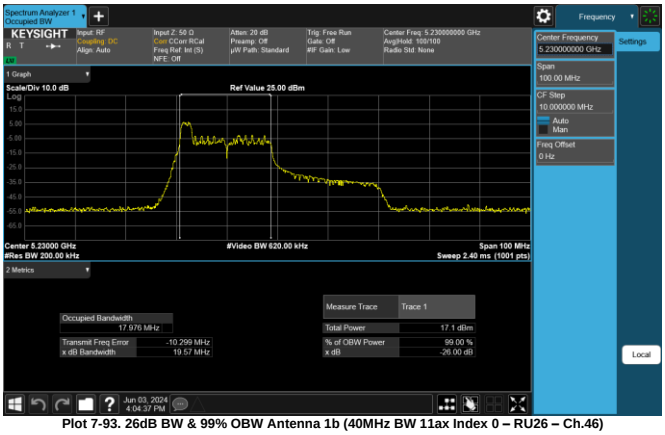
Plot 7-89. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 0 – RU26 – Ch.40)



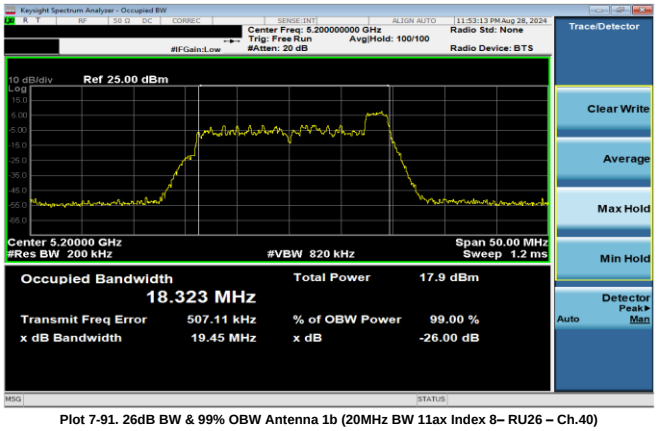
Plot 7-92. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax– RU242 – Ch.40)



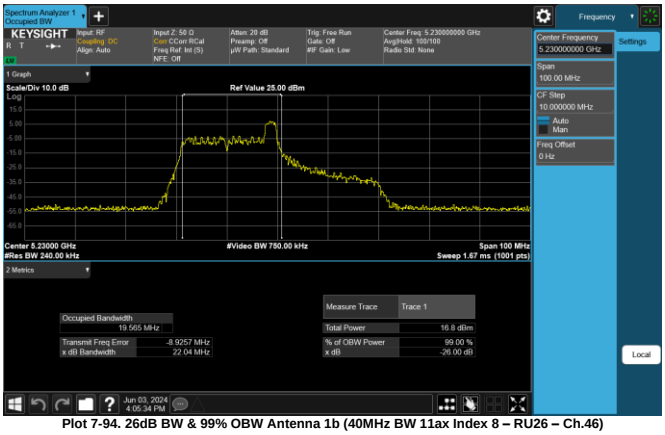
Plot 7-90. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 4 – RU26 – Ch.40)



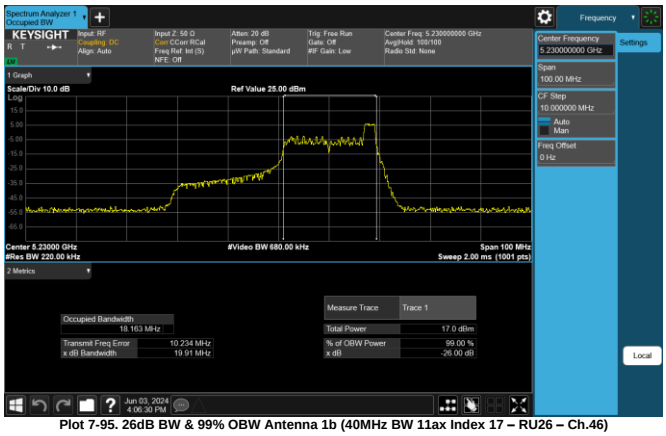
Plot 7-93. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 0 – RU26 – Ch.46)



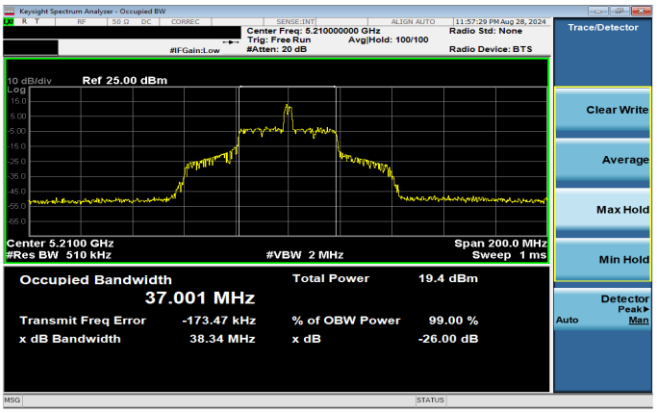
Plot 7-91. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 8– RU26 – Ch.40)



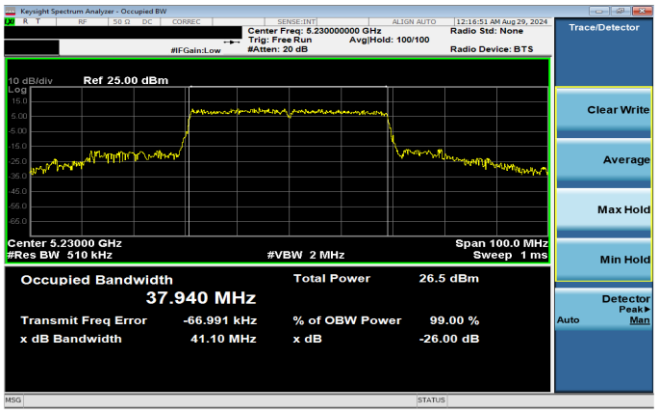
Plot 7-94. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 8 – RU26 – Ch.46)



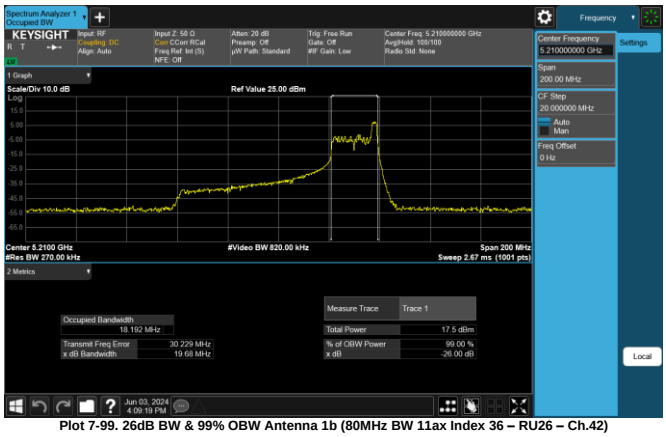
Plot 7-95. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 17 – RU26 – Ch.46)



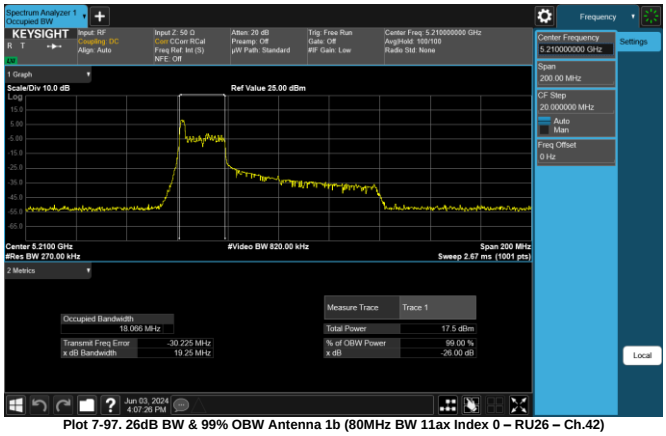
Plot 7-98. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 18 – RU26 – Ch.42)



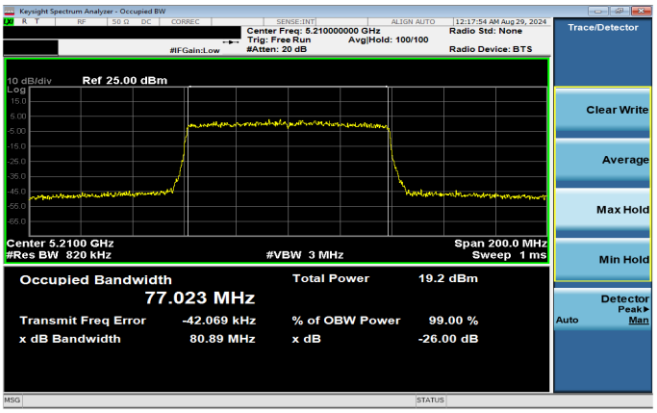
Plot 7-96. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax – RU484 – Ch.46)



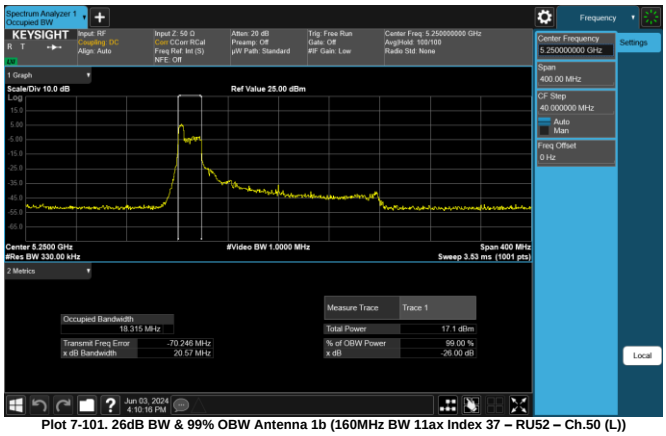
Plot 7-99. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 36 – RU26 – Ch.42)



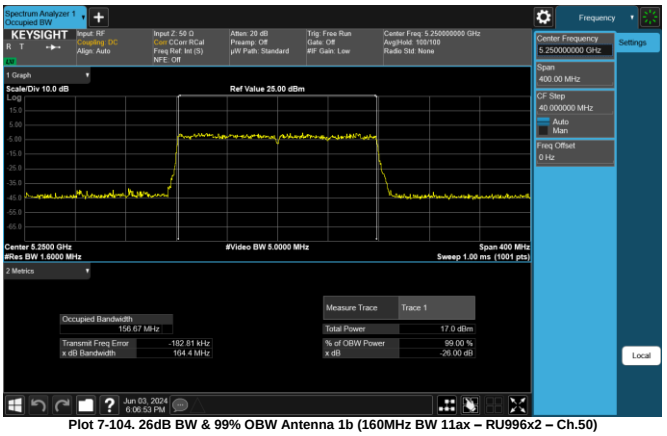
Plot 7-97. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 0 – RU26 – Ch.42)



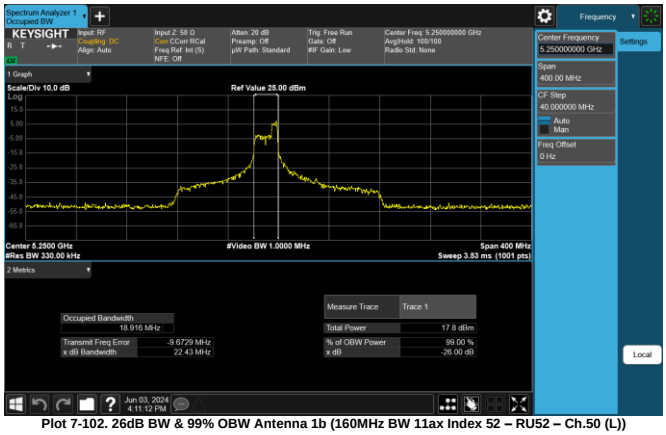
Plot 7-100. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax – RU996 – Ch.42)



Plot 7-101. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax Index 37 – RU52 – Ch.50 (L))

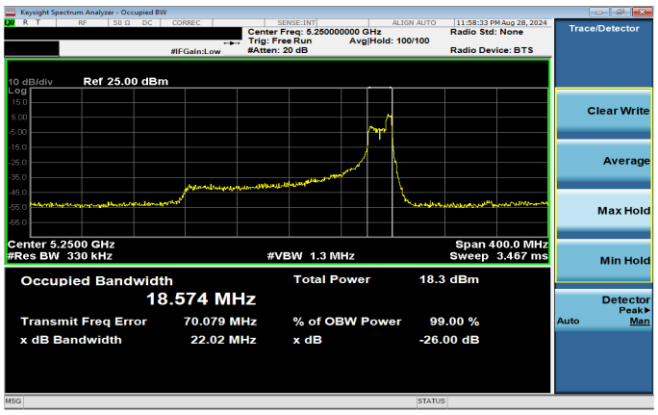


Plot 7-104. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax – RU996x2 – Ch.50)

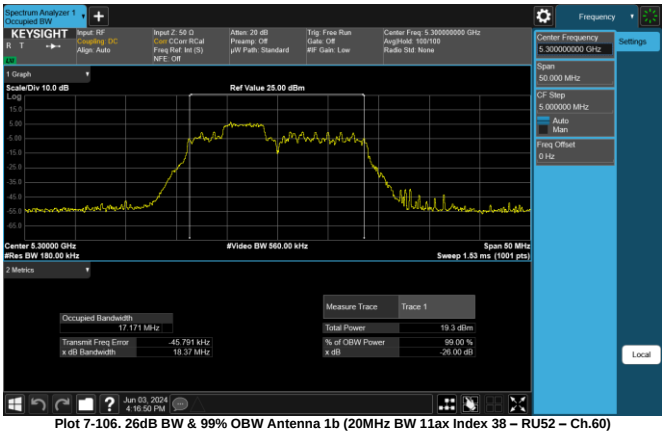


Plot 7-102. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax Index 52 – RU52 – Ch.50 (L))

Plot 7-105. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 37 – RU52 – Ch.60)



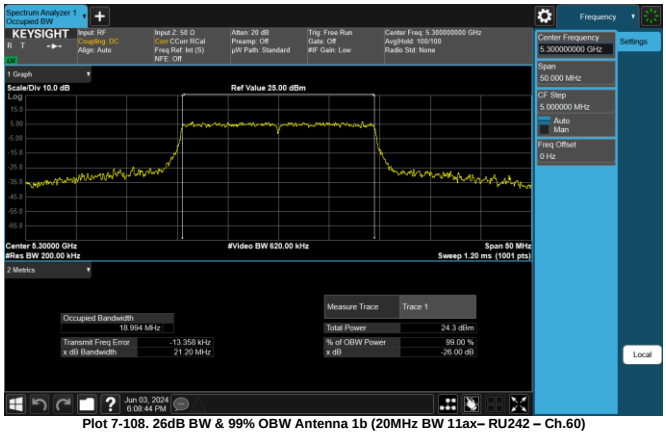
Plot 7-103. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax Index 52 – RU52 – Ch.50 (U))



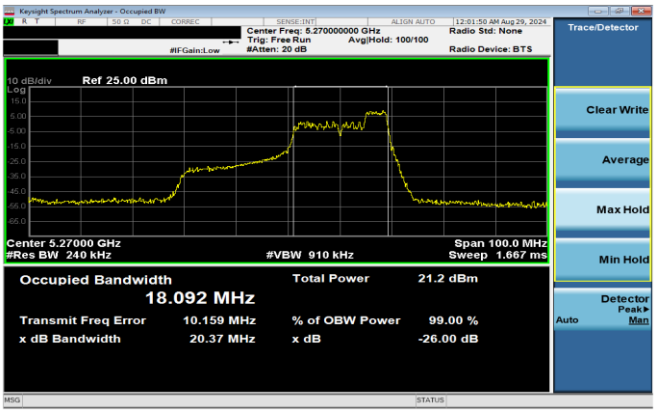
Plot 7-106. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 38 – RU52 – Ch.60)

Plot 7-107. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 40 – RU52 – Ch.60)

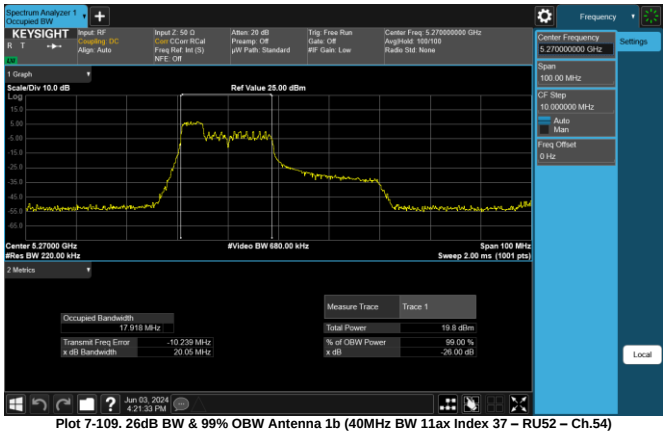
Plot 7-110. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 40 – RU52 – Ch.54)



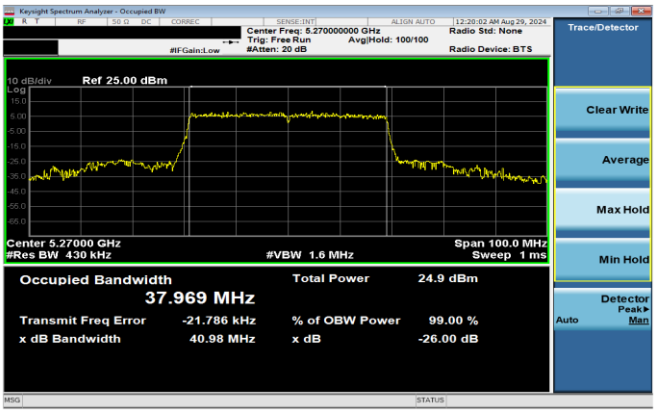
Plot 7-108. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax– RU242 – Ch.60)



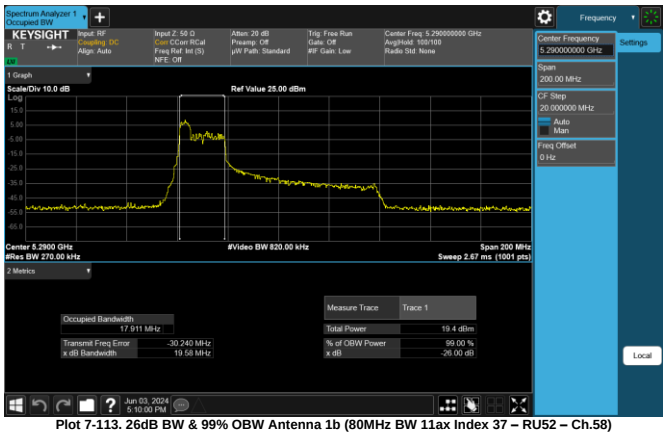
Plot 7-111. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 44 – RU52 – Ch.54)



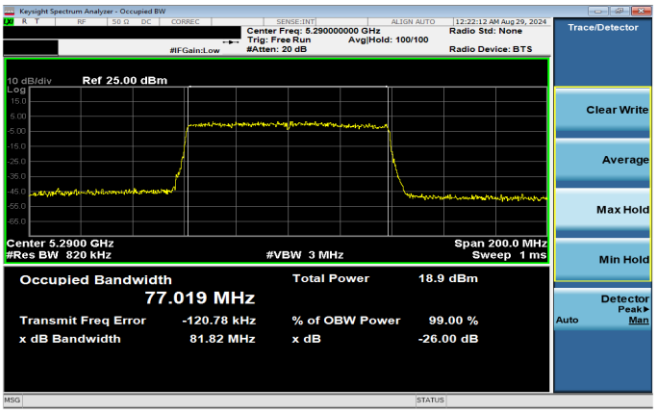
Plot 7-109. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 37 – RU52 – Ch.54)



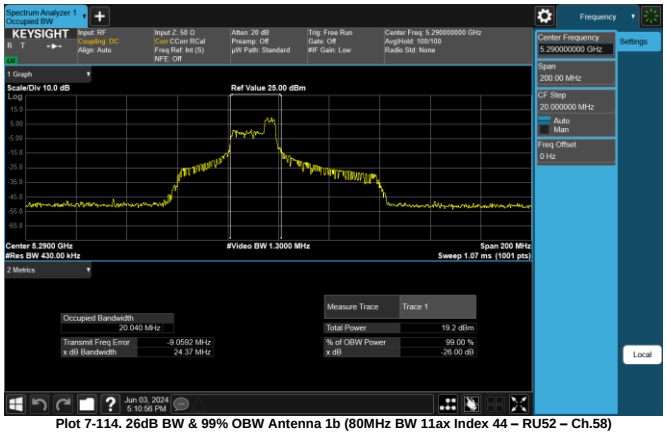
Plot 7-112. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax – RU484 – Ch.54)



Plot 7-113. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 37 – RU52 – Ch.58)

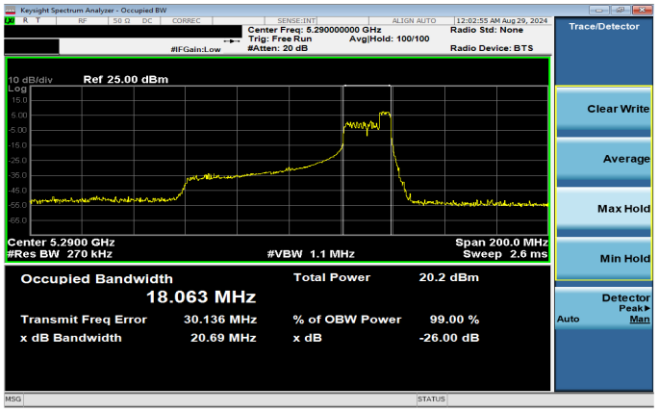


Plot 7-116. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax – RU996 – Ch.58)

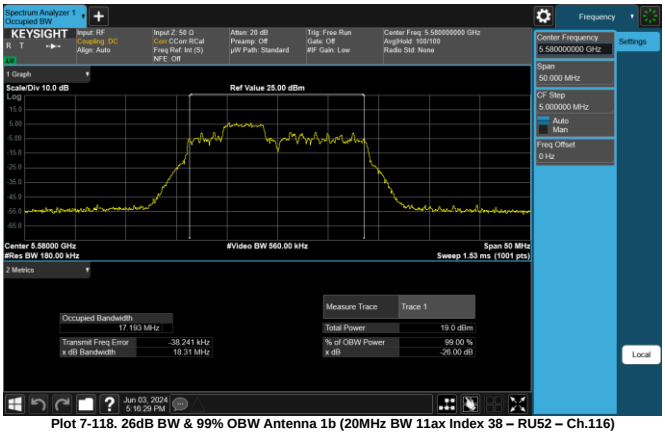


Plot 7-114. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 44 – RU52 – Ch.58)

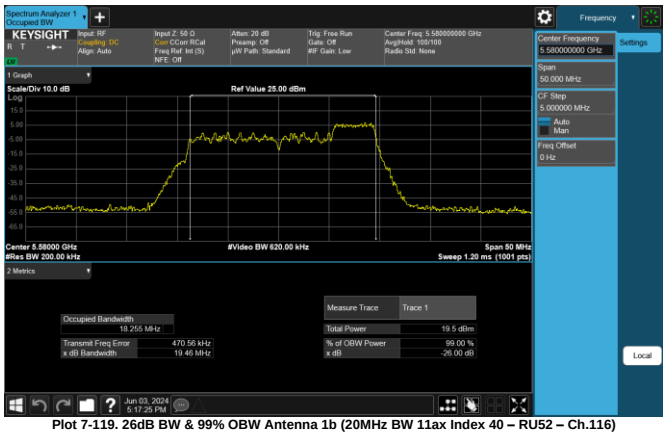
Plot 7-117. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 37 – RU52 – Ch.116)



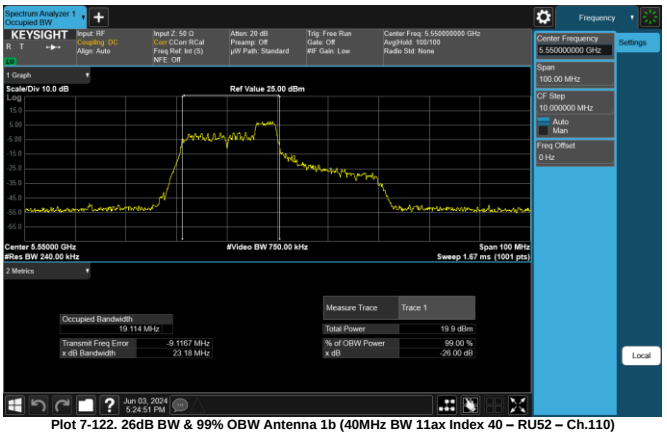
Plot 7-115. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 52 – RU52 – Ch.58)



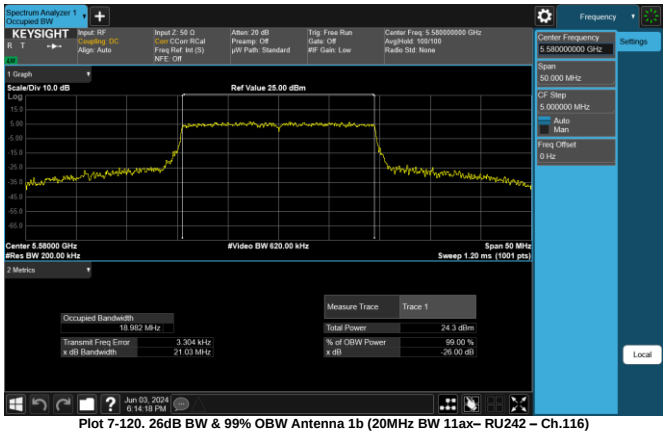
Plot 7-118. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 38 – RU52 – Ch.116)



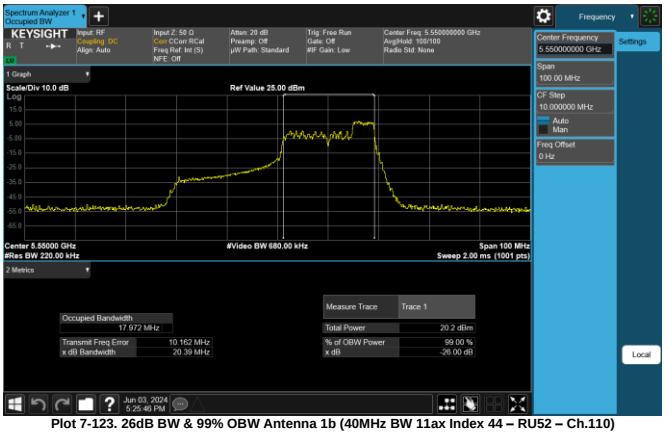
Plot 7-119. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax Index 40 – RU52 – Ch.116)



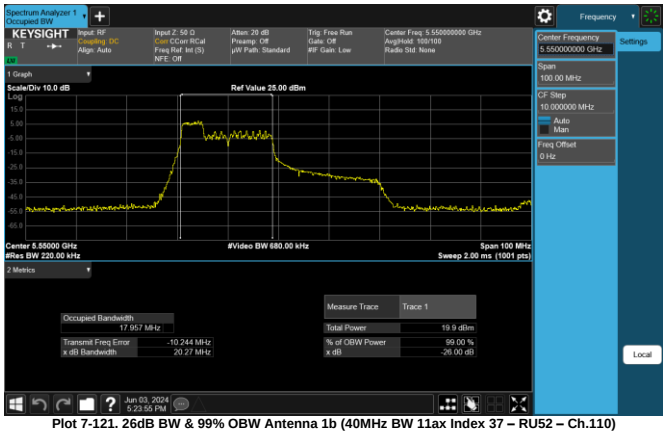
Plot 7-122. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 40 – RU52 – Ch.110)



Plot 7-120. 26dB BW & 99% OBW Antenna 1b (20MHz BW 11ax– RU242 – Ch.116)

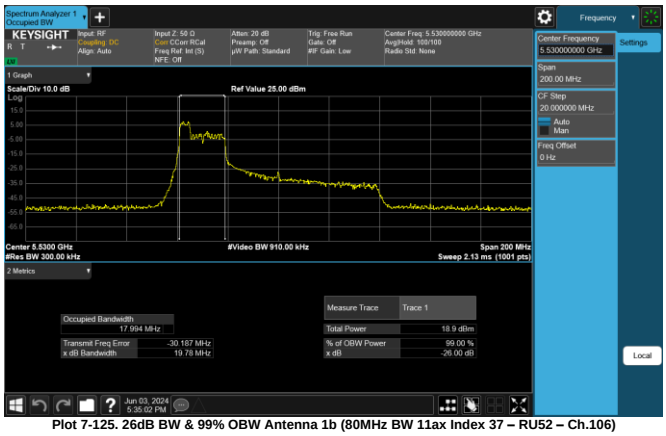


Plot 7-123. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 44 – RU52 – Ch.110)

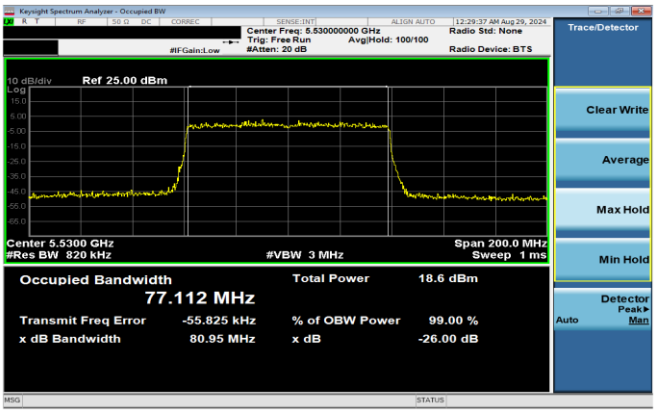


Plot 7-121. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax Index 37 – RU52 – Ch.110)

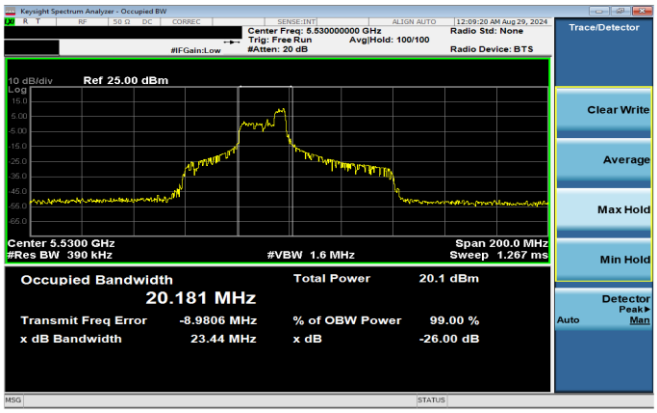
Plot 7-124. 26dB BW & 99% OBW Antenna 1b (40MHz BW 11ax – RU484 – Ch.110)



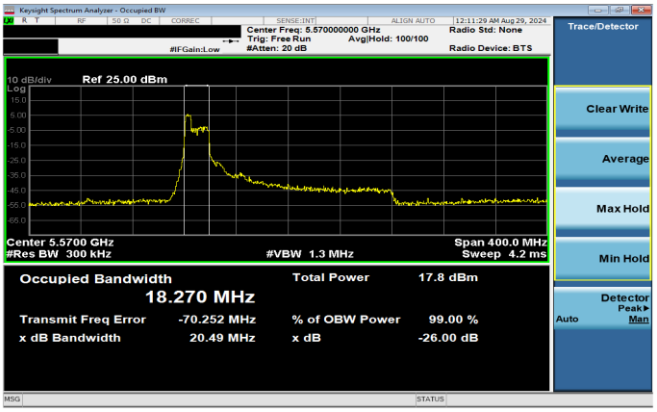
Plot 7-125. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 37 – RU52 – Ch.106)



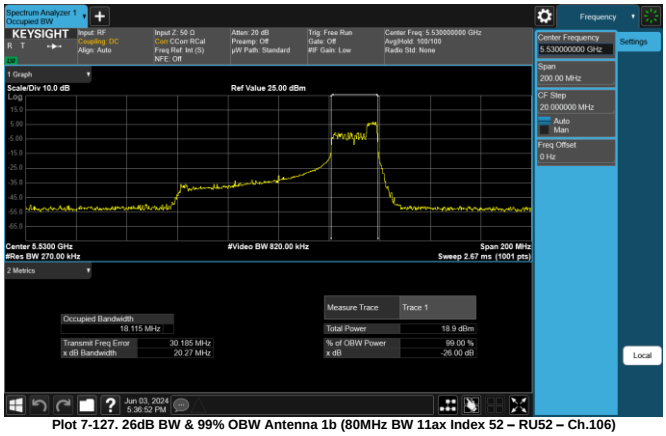
Plot 7-128. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax – RU996 – Ch.106)



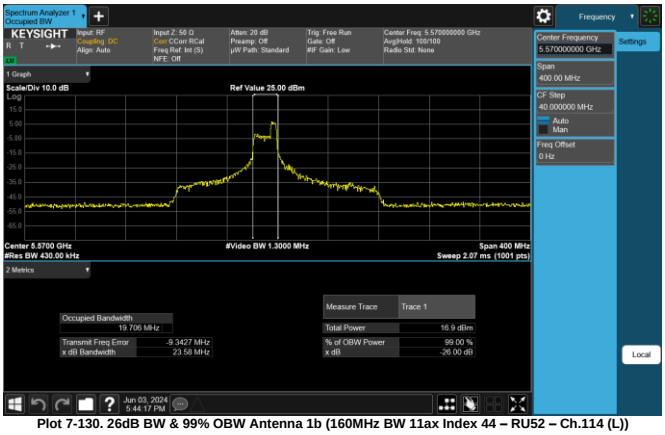
Plot 7-126. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 44 – RU52 – Ch.106)



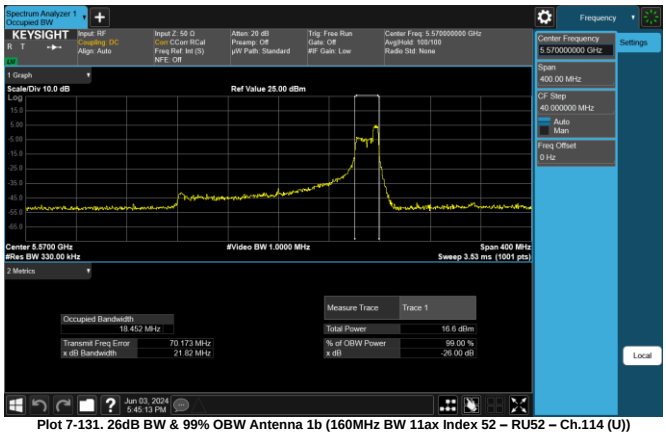
Plot 7-129. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax Index 37 – RU52 – Ch.114 (L))



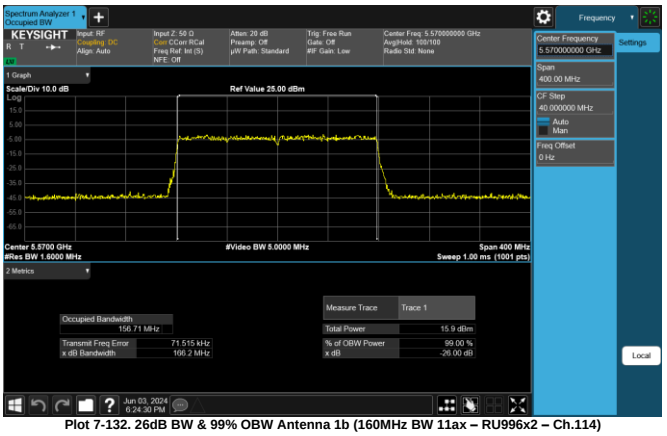
Plot 7-127. 26dB BW & 99% OBW Antenna 1b (80MHz BW 11ax Index 52 – RU52 – Ch.106)



Plot 7-130. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax Index 44 – RU52 – Ch.114 (L))



Plot 7-131. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax Index 52 – RU52 – Ch.114 (U))



Plot 7-132. 26dB BW & 99% OBW Antenna 1b (160MHz BW 11ax – RU996x2 – Ch.114)

7.3 6dB & 99% Bandwidth Measurement

§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 C63.10-2020 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 C63.10-2020 – Section 12.5.1
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.

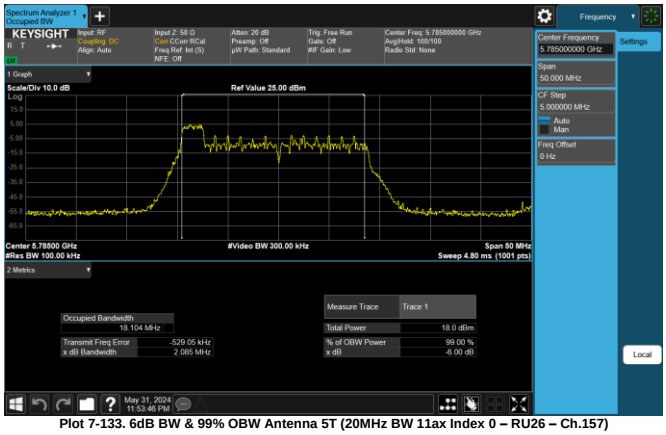
7.3.1 Antenna 5T 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	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	12.5/14.7 (MCS11)	18.08	2.12	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.11	2.70	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.17	2.09	0.50	Pass
	5785	157	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.10	2.08	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.15	2.70	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.08	2.09	0.50	Pass
	5825	165	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.09	2.09	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.16	2.73	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.25	2.10	0.50	Pass
	5755	151	ax (40MHz)	26	0	12.5/14.7 (MCS11)	17.83	2.11	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.81	2.12	0.50	Pass
				26	17	12.5/14.7 (MCS11)	17.96	2.14	0.50	Pass
	5795	159	ax (40MHz)	26	0	12.5/14.7 (MCS11)	17.86	2.14	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.74	2.12	0.50	Pass
				26	17	12.5/14.7 (MCS11)	17.95	2.12	0.50	Pass
	5775	155	ax (80MHz)	26	0	12.5/14.7 (MCS11)	17.79	2.21	0.50	Pass
				26	18	12.5/14.7 (MCS11)	36.93	2.83	0.50	Pass
				26	36	12.5/14.7 (MCS11)	17.97	2.25	0.50	Pass

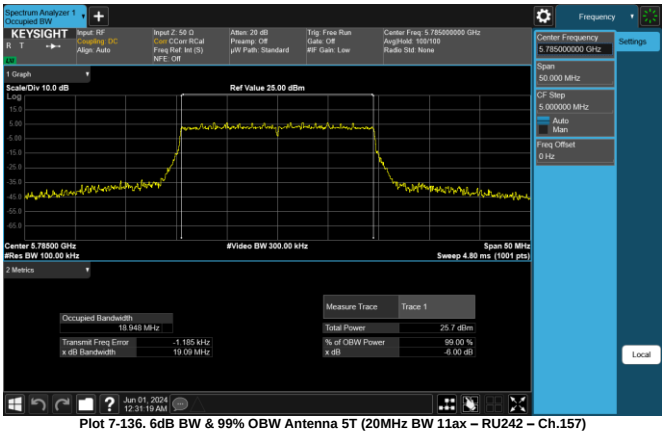
Table 7-11. Conducted Bandwidth Measurements Antenna 5T (RU26)

	Frequency [MHz]	Channel	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	121.9/143.4 (MCS11)	18.96	19.10	0.50	Pass
	5785	157	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.95	19.09	0.50	Pass
	5825	165	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.97	19.14	0.50	Pass
	5755	151	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.74	38.10	0.50	Pass
	5795	159	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.81	38.17	0.50	Pass
	5775	155	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.04	77.93	0.50	Pass

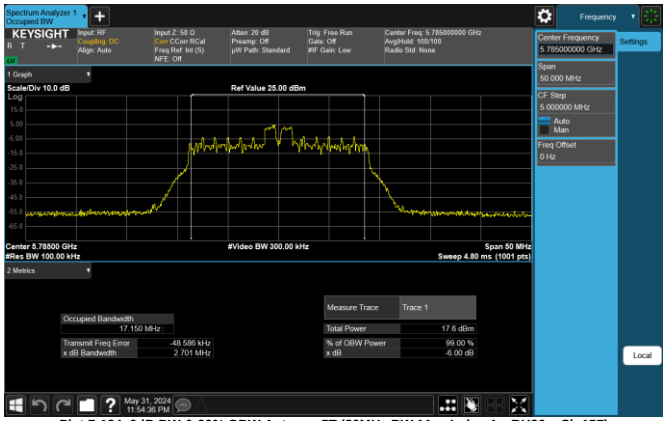
Table 7-12. Conducted Bandwidth Measurements Antenna 5T (Fully- loaded RU)



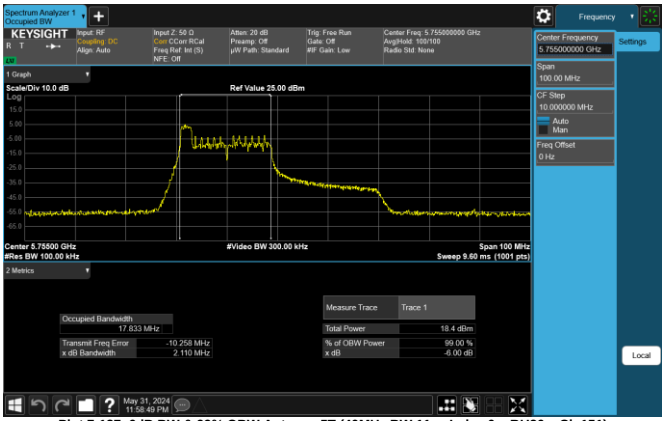
Plot 7-133. 6dB BW & 99% OBW Antenna 5T (20MHz BW 11ax Index 0 – RU26 – Ch.157)



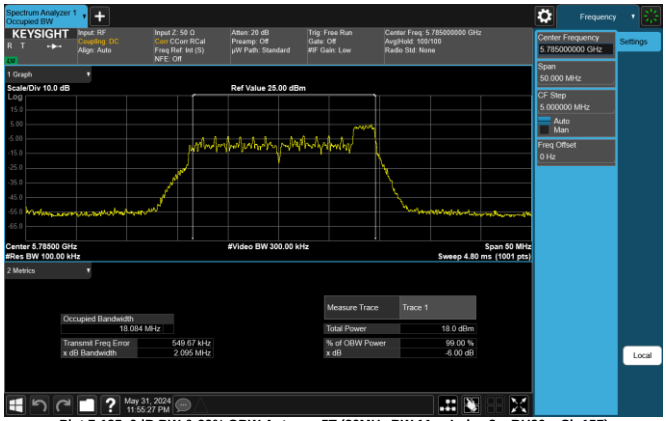
Plot 7-136. 6dB BW & 99% OBW Antenna 5T (20MHz BW 11ax – RU242 – Ch.157)



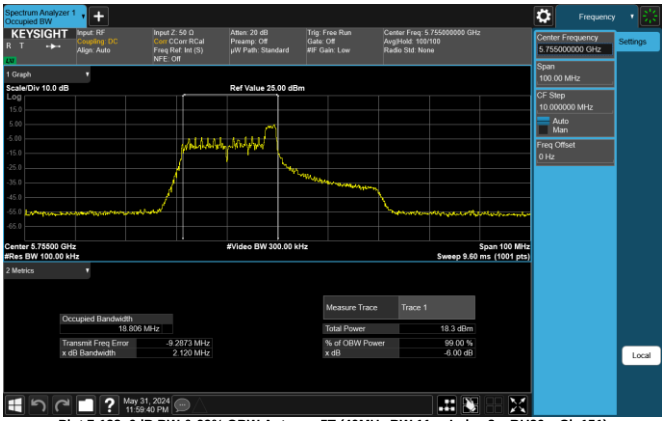
Plot 7-134. 6dB BW & 99% OBW Antenna 5T (20MHz BW 11ax Index 4 – RU26 – Ch.157)



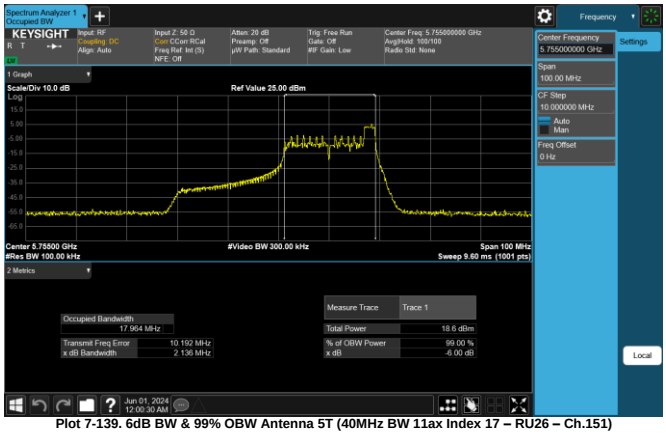
Plot 7-137. 6dB BW & 99% OBW Antenna 5T (40MHz BW 11ax Index 0 – RU26 – Ch.151)



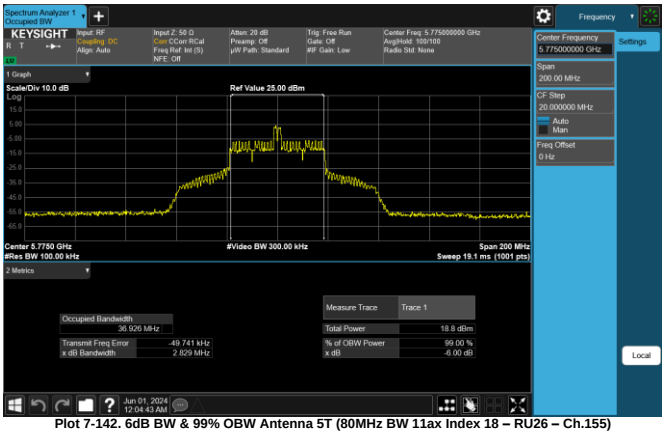
Plot 7-135. 6dB BW & 99% OBW Antenna 5T (20MHz BW 11ax Index 8 – RU26 – Ch.157)



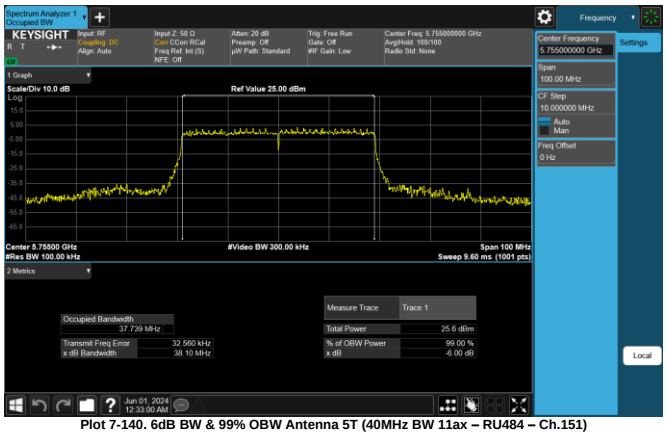
Plot 7-138. 6dB BW & 99% OBW Antenna 5T (40MHz BW 11ax Index 8 – RU26 – Ch.151)



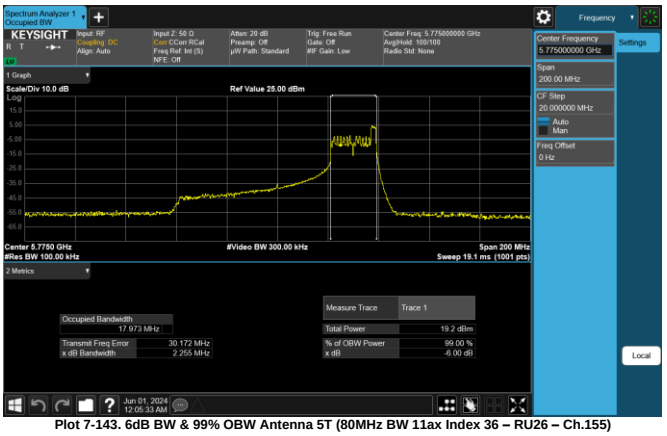
Plot 7-139. 6dB BW & 99% OBW Antenna 5T (40MHz BW 11ax Index 17 – RU26 – Ch.151)



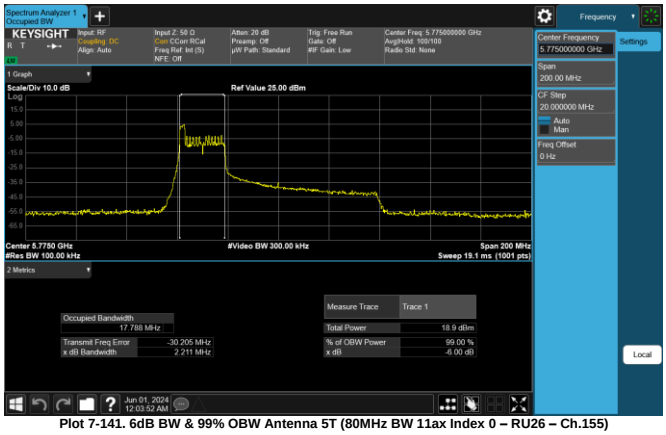
Plot 7-142. 6dB BW & 99% OBW Antenna 5T (80MHz BW 11ax Index 18 – RU26 – Ch.155)



Plot 7-140. 6dB BW & 99% OBW Antenna 5T (40MHz BW 11ax – RU484 – Ch.151)



Plot 7-143. 6dB BW & 99% OBW Antenna 5T (80MHz BW 11ax Index 36 – RU26 – Ch.155)



Plot 7-141. 6dB BW & 99% OBW Antenna 5T (80MHz BW 11ax Index 0 – RU26 – Ch.155)

Plot 7-144. 6dB BW & 99% OBW Antenna 5T (80MHz BW 11ax – RU996 – Ch.155

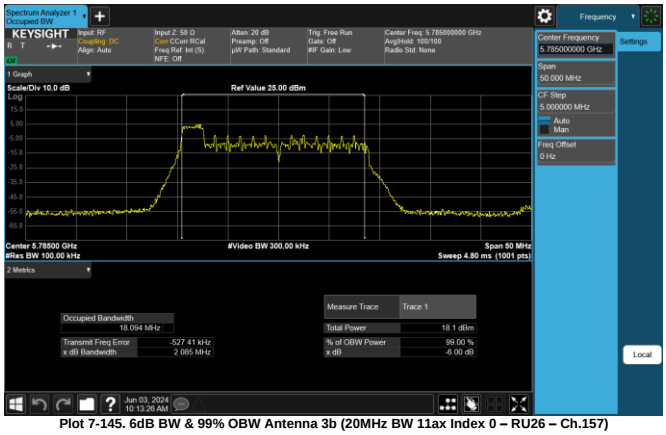
7.3.2 Antenna 3b 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	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	12.5/14.7 (MCS11)	18.08	2.06	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.15	2.70	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.23	2.07	0.50	Pass
	5785	157	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.09	2.09	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.10	2.70	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.25	2.09	0.50	Pass
	5825	165	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.05	2.06	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.13	2.69	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.24	2.11	0.50	Pass
	5755	151	ax (40MHz)	26	0	12.5/14.7 (MCS11)	17.85	2.18	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.84	2.12	0.50	Pass
				26	17	12.5/14.7 (MCS11)	17.95	2.14	0.50	Pass
	5795	159	ax (40MHz)	26	0	12.5/14.7 (MCS11)	17.83	2.16	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.86	2.17	0.50	Pass
				26	17	12.5/14.7 (MCS11)	17.93	2.08	0.50	Pass
	5775	155	ax (80MHz)	26	0	12.5/14.7 (MCS11)	17.78	2.20	0.50	Pass
				26	18	12.5/14.7 (MCS11)	36.92	2.85	0.50	Pass
				26	36	12.5/14.7 (MCS11)	17.90	2.23	0.50	Pass

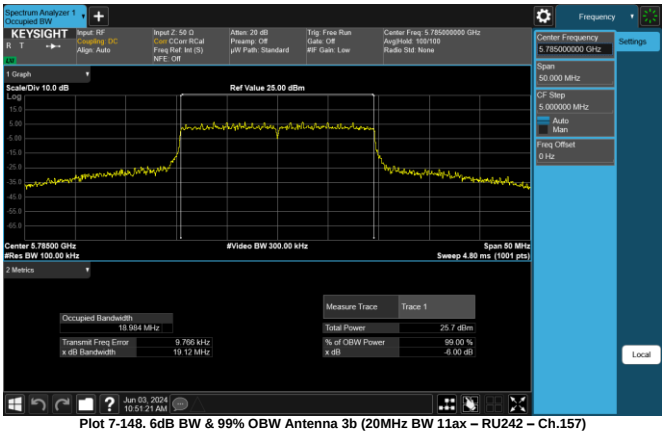
Table 7-13. Conducted Bandwidth Measurements Antenna 3b (RU26)

	Frequency [MHz]	Channel	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	121.9/143.4 (MCS11)	18.99	19.10	0.50	Pass
	5785	157	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.98	19.12	0.50	Pass
	5825	165	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.98	19.10	0.50	Pass
	5755	151	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.86	38.23	0.50	Pass
	5795	159	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.88	38.20	0.50	Pass
	5775	155	ax (80MHz)	996	67	510.4/600.5 (MCS11)	76.93	77.79	0.50	Pass

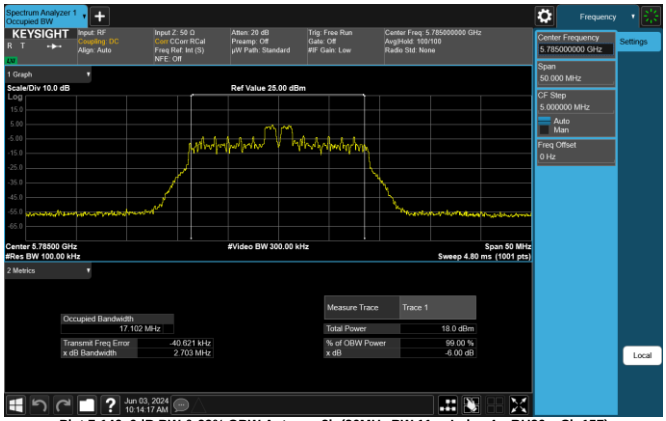
Table 7-14. Conducted Bandwidth Measurements Antenna 3b (Fully-loaded RU)



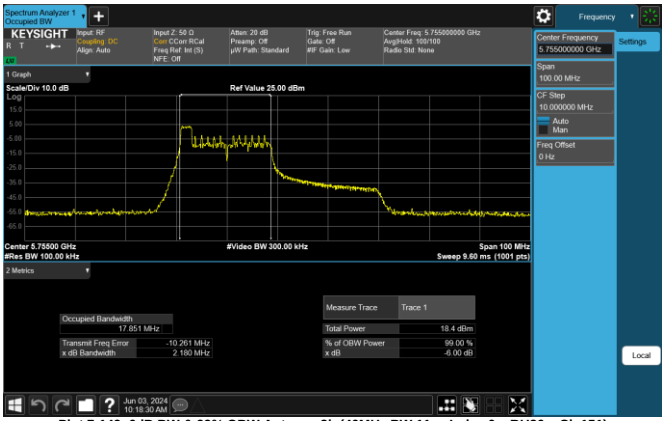
Plot 7-145. 6dB BW & 99% OBW Antenna 3b (20MHz BW 11ax Index 0 – RU26 – Ch.157)



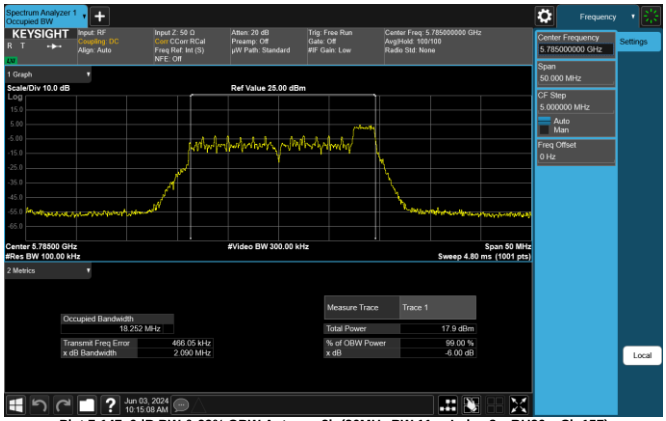
Plot 7-148. 6dB BW & 99% OBW Antenna 3b (20MHz BW 11ax – RU242 – Ch.157)



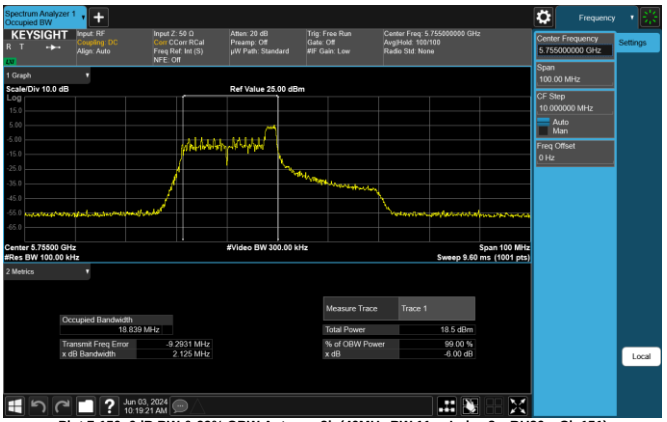
Plot 7-146. 6dB BW & 99% OBW Antenna 3b (20MHz BW 11ax Index 4 – RU26 – Ch.157)



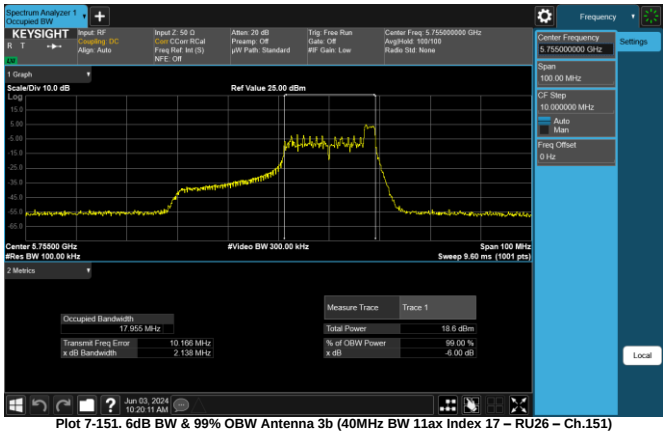
Plot 7-149. 6dB BW & 99% OBW Antenna 3b (40MHz BW 11ax Index 0 – RU26 – Ch.151)



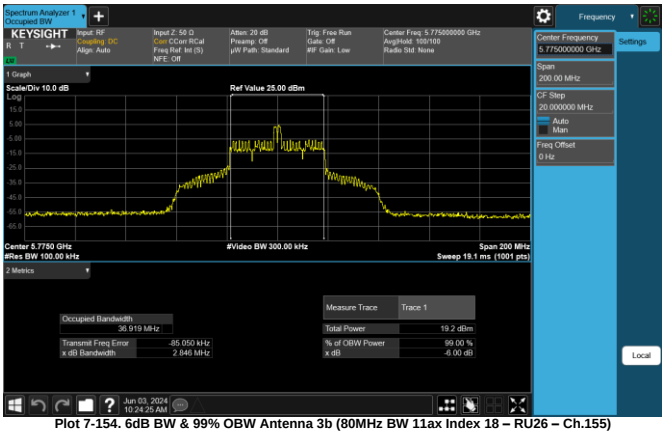
Plot 7-147. 6dB BW & 99% OBW Antenna 3b (20MHz BW 11ax Index 8 – RU26 – Ch.157)



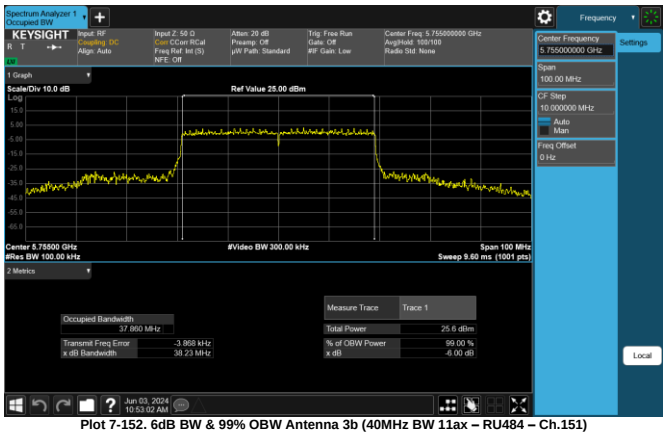
Plot 7-150. 6dB BW & 99% OBW Antenna 3b (40MHz BW 11ax Index 8 – RU26 – Ch.151)



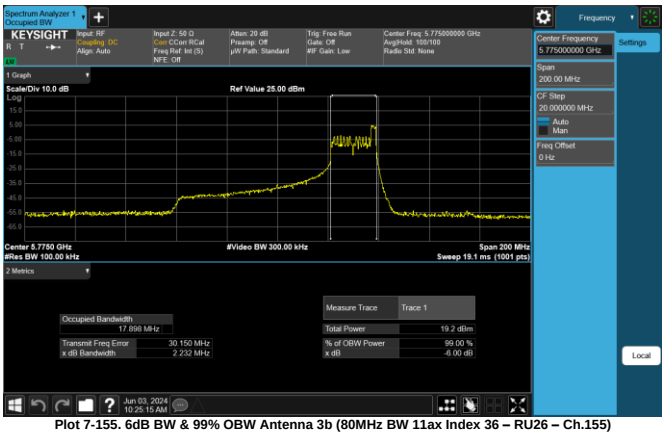
Plot 7-151. 6dB BW & 99% OBW Antenna 3b (40MHz BW 11ax Index 17 – RU26 – Ch.151)



Plot 7-154. 6dB BW & 99% OBW Antenna 3b (80MHz BW 11ax Index 18 – RU26 – Ch.155)

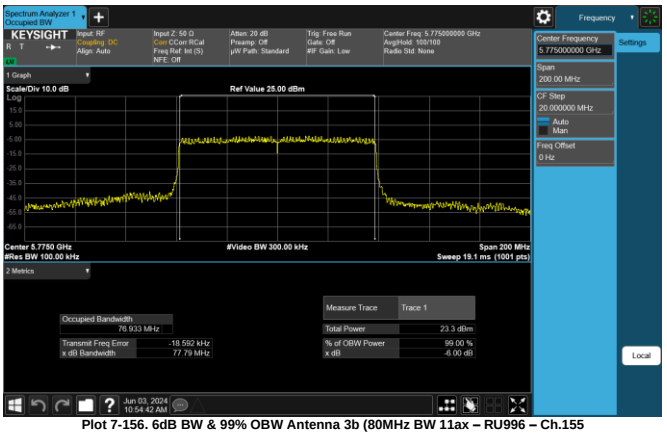


Plot 7-152. 6dB BW & 99% OBW Antenna 3b (40MHz BW 11ax – RU484 – Ch.151)



Plot 7-155. 6dB BW & 99% OBW Antenna 3b (80MHz BW 11ax Index 36 – RU26 – Ch.155)

Plot 7-153. 6dB BW & 99% OBW Antenna 3b (80MHz BW 11ax Index 0 – RU26 – Ch.155)



Plot 7-156. 6dB BW & 99% OBW Antenna 3b (80MHz BW 11ax – RU996 – Ch.155

7.3.3 Antenna 1b 6dB & 99% Bandwidth Measurements

	Frequency [MHz]	Channel	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	12.5/14.7 (MCS11)	18.11	2.09	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.16	2.72	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.26	2.10	0.50	Pass
	5785	157	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.12	2.09	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.11	2.69	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.25	2.09	0.50	Pass
	5825	165	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.14	2.11	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.15	2.70	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.25	2.12	0.50	Pass
	5755	151	ax (40MHz)	26	0	12.5/14.7 (MCS11)	17.78	2.16	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.76	2.15	0.50	Pass
				26	17	12.5/14.7 (MCS11)	17.96	2.08	0.50	Pass
	5795	159	ax (40MHz)	26	0	12.5/14.7 (MCS11)	17.81	2.15	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.79	2.12	0.50	Pass
				26	17	12.5/14.7 (MCS11)	17.99	2.17	0.50	Pass
	5775	155	ax (80MHz)	26	0	12.5/14.7 (MCS11)	17.75	2.15	0.50	Pass
				26	18	12.5/14.7 (MCS11)	36.88	2.88	0.50	Pass
				26	36	12.5/14.7 (MCS11)	17.92	15.35	0.50	Pass

Table 7-15. Conducted Bandwidth Measurements Antenna 1b (RU26)

	Frequency [MHz]	Channel	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	121.9/143.4 (MCS11)	18.99	19.13	0.50	Pass
	5785	157	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.98	19.11	0.50	Pass
	5825	165	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.96	19.07	0.50	Pass
	5755	151	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.86	38.21	0.50	Pass
	5795	159	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.84	38.19	0.50	Pass
	5775	155	ax (80MHz)	996	67	510.4/600.5 (MCS11)	76.93	77.75	0.50	Pass

Table 7-16. Conducted Bandwidth Measurements Antenna 1b (Fully- loaded RU)