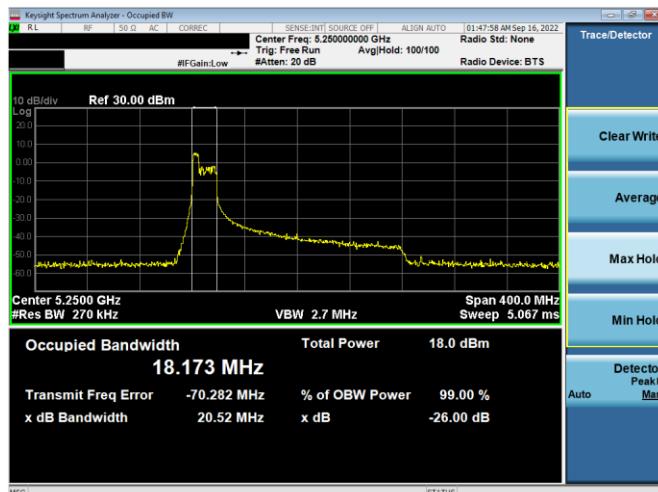


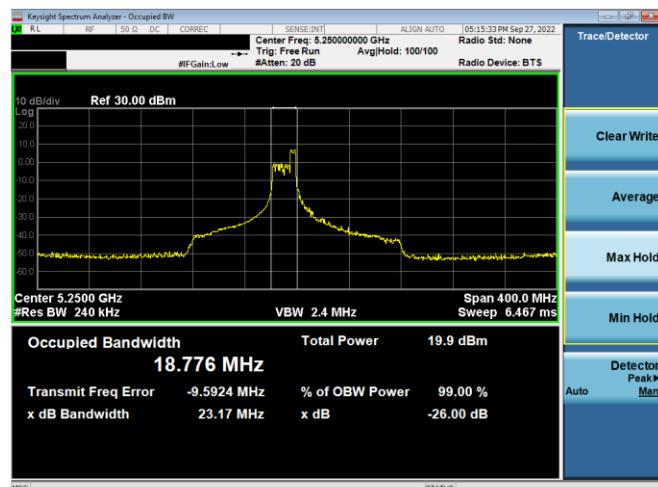
FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-20.BCG	Test Dates: 05/30/2022-9/29/2022	EUT Type: Tablet Device	Page 32 of 278



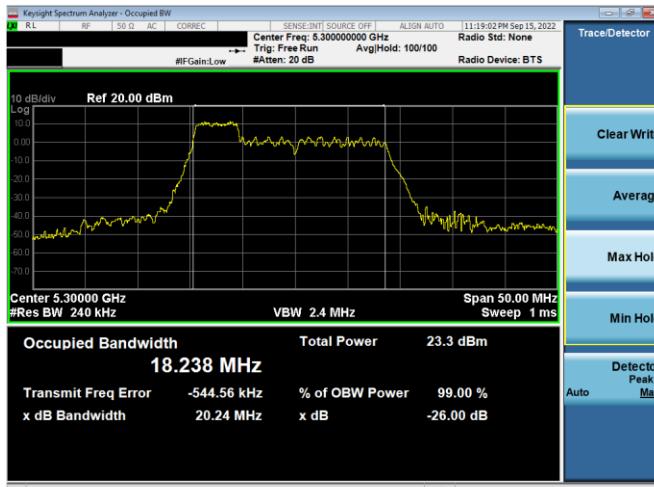
Plot 7-57. 26dB BW & 99% OBW Antenna WF4a (160MHz BW 11ax Index 37 – RU52 – Ch.50(L))



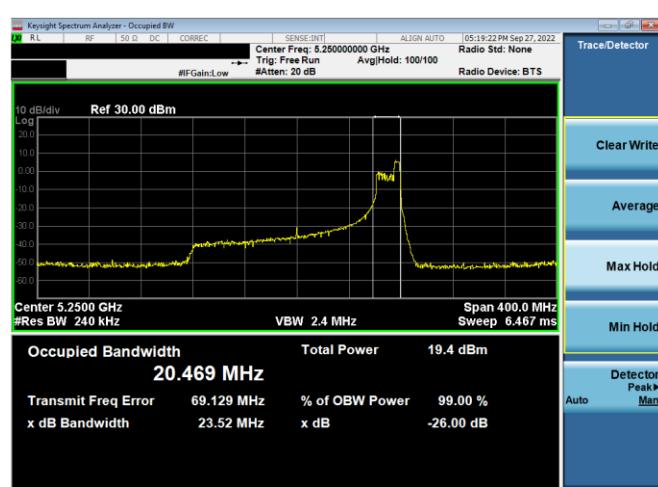
Plot 7-60. 26dB BW & 99% OBW Antenna WF4a (160MHz BW 11ax Index 37 – RU996x2 – Ch.50)



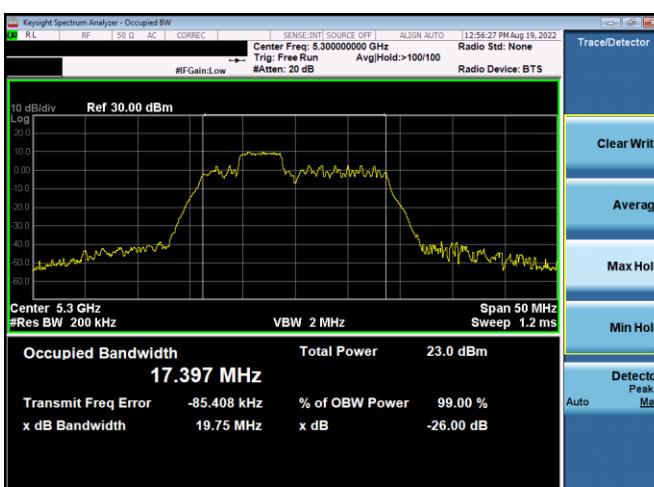
Plot 7-58. 26dB BW & 99% OBW Antenna WF4a (160MHz BW 11ax Index 52 – RU52 – Ch.50(L))



Plot 7-61. 26dB BW & 99% OBW Antenna WF4a (20MHz BW 11ax Index 37 – RU52 – Ch.60)

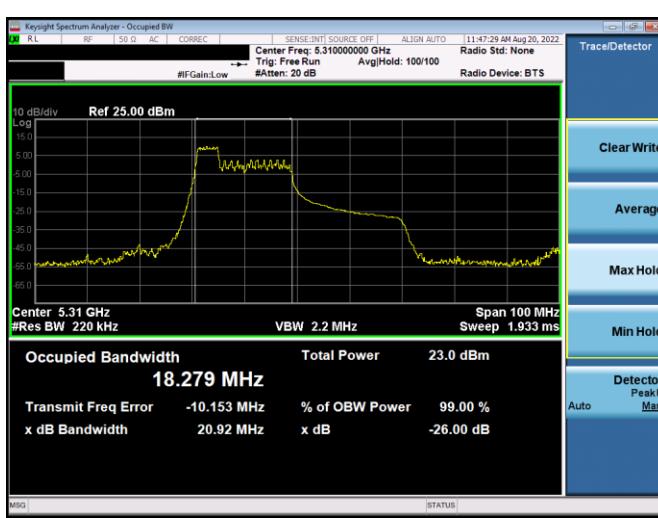
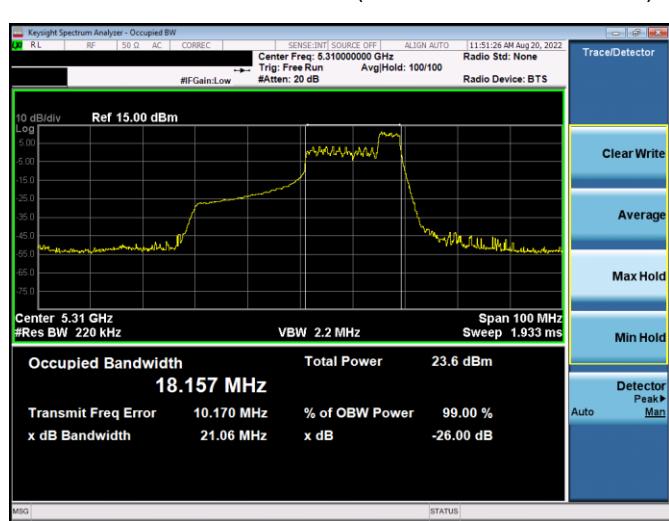
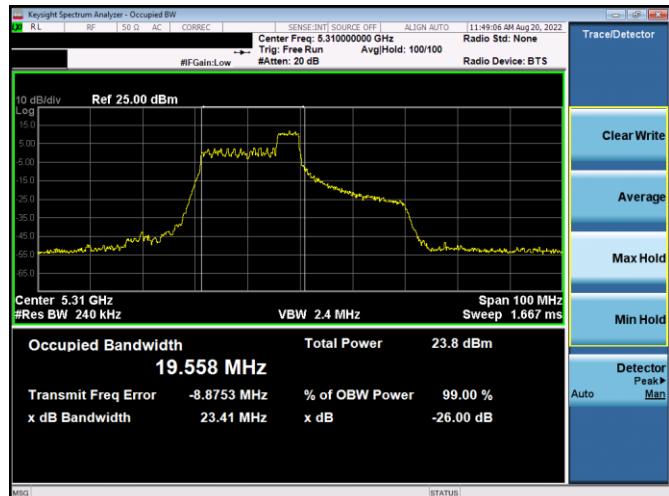
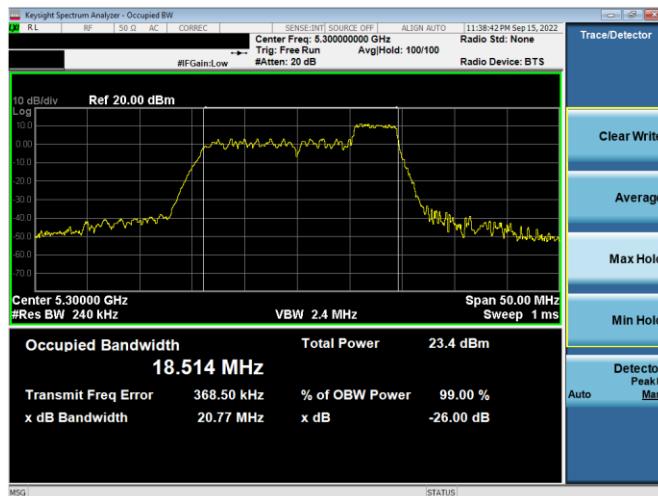


Plot 7-59. 26dB BW & 99% OBW Antenna WF4a (160MHz BW 11ax Index 52 – RU52 – Ch.50(U))

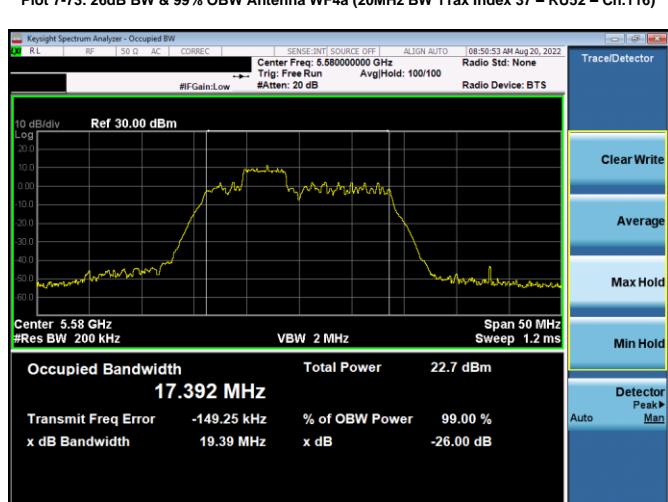
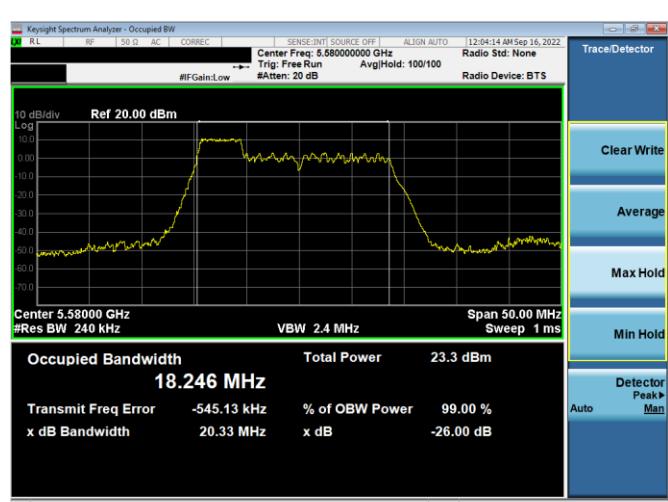
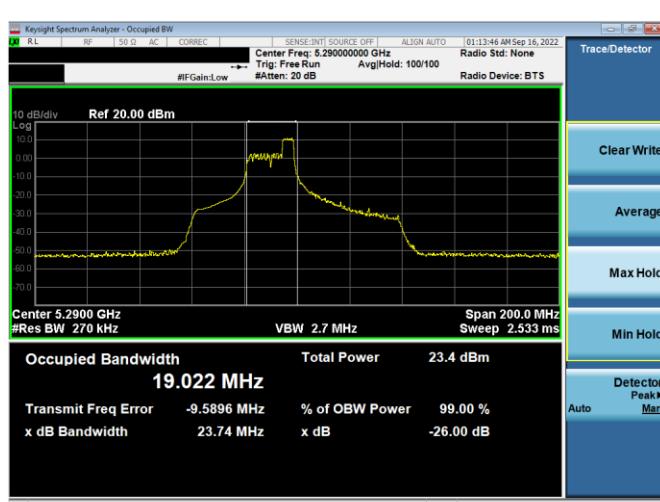
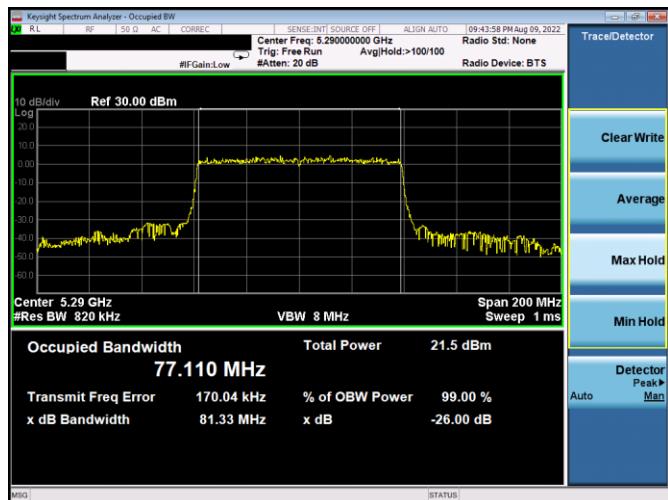
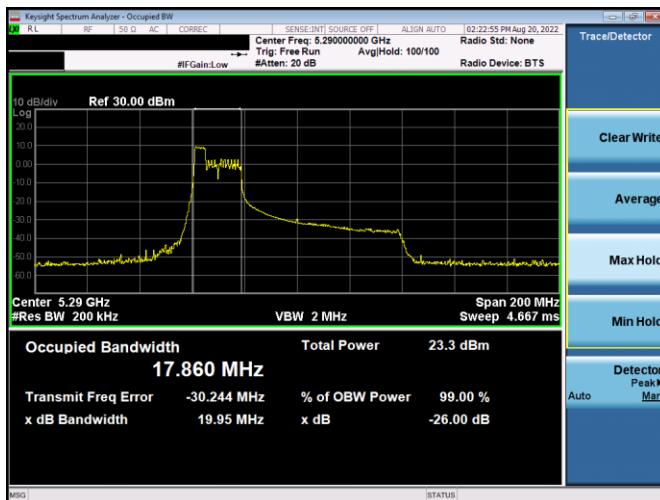


Plot 7-62. 26dB BW & 99% OBW Antenna WF4a (20MHz BW 11ax Index 38 – RU52 – Ch.60)

FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-20.BCG	Test Dates: 05/30/2022-9/29/2022	EUT Type: Tablet Device	Page 33 of 278



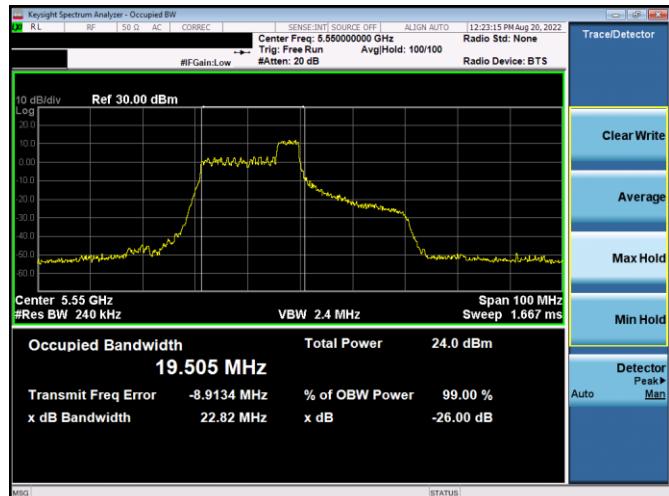
FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-20.BCG	Test Dates: 05/30/2022-9/29/2022	EUT Type: Tablet Device	Page 34 of 278



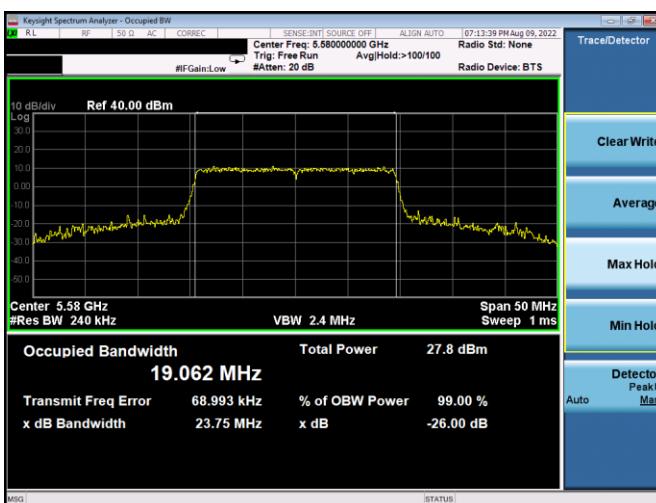
FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-20.BCG	Test Dates: 05/30/2022-9/29/2022	EUT Type: Tablet Device	Page 35 of 278



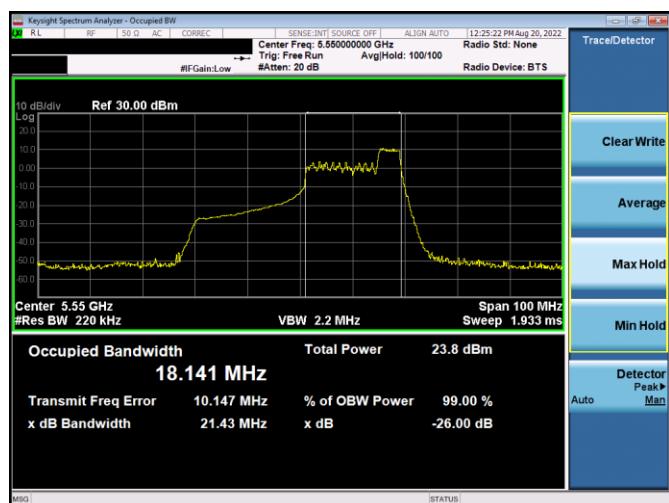
Plot 7-75. 26dB BW & 99% OBW Antenna WF4a (20MHz BW 11ax Index 40 – RU52 – Ch.116)



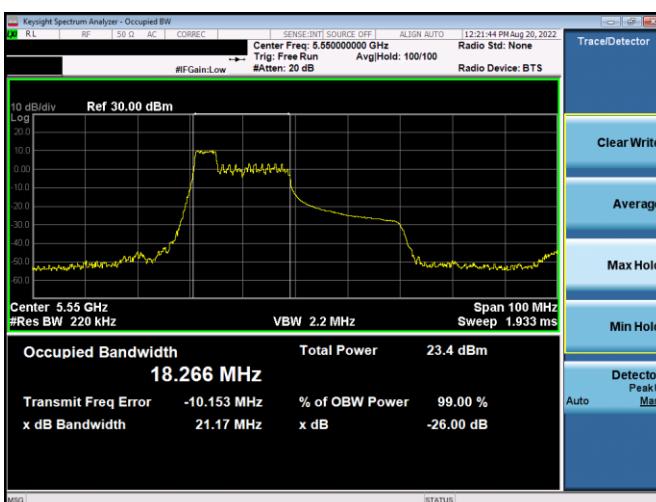
Plot 7-78. 26dB BW & 99% OBW Antenna WF4a (40MHz BW 11ax Index 40 – RU52 – Ch.110)



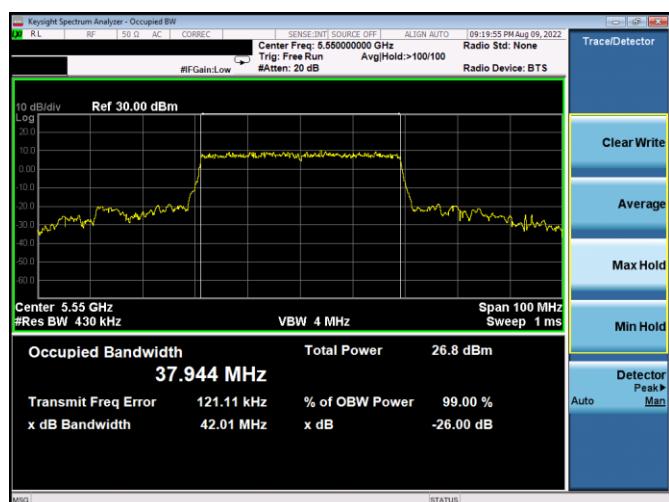
Plot 7-76. 26dB BW & 99% OBW Antenna WF4a (20MHz BW 11ax – RU242 – Ch.116)



Plot 7-79. 26dB BW & 99% OBW Antenna WF4a (40MHz BW 11ax Index 44 – RU52 – Ch.110)

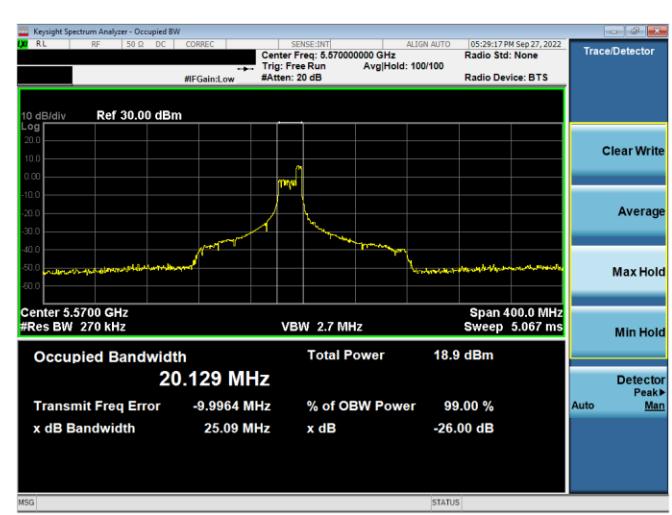
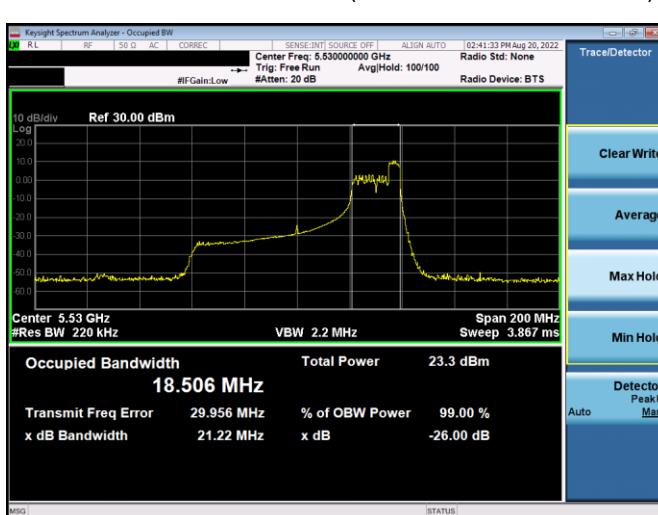
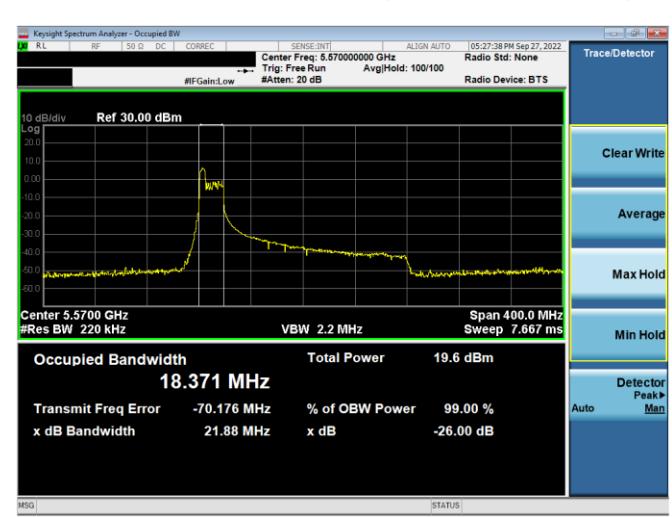
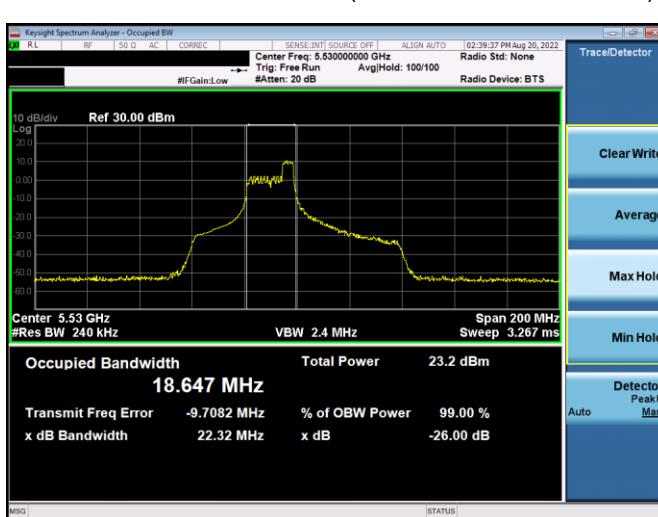
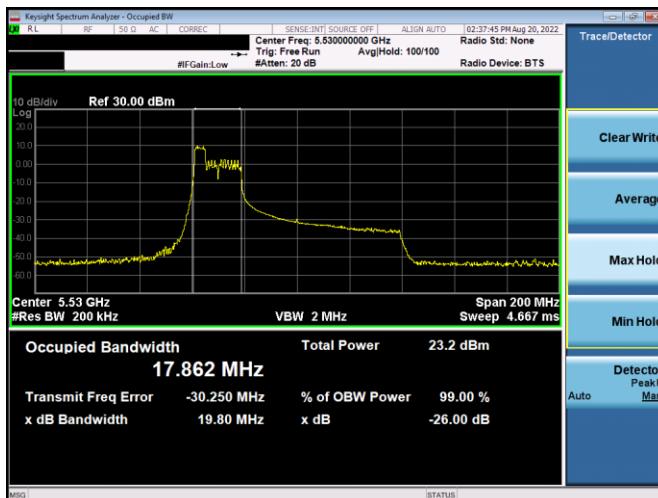


Plot 7-77. 26dB BW & 99% OBW Antenna WF4a (40MHz BW 11ax Index 37 – RU52 – Ch.110)



Plot 7-80. 26dB BW & 99% OBW Antenna WF4a (40MHz BW 11ax – RU484 – Ch.110)

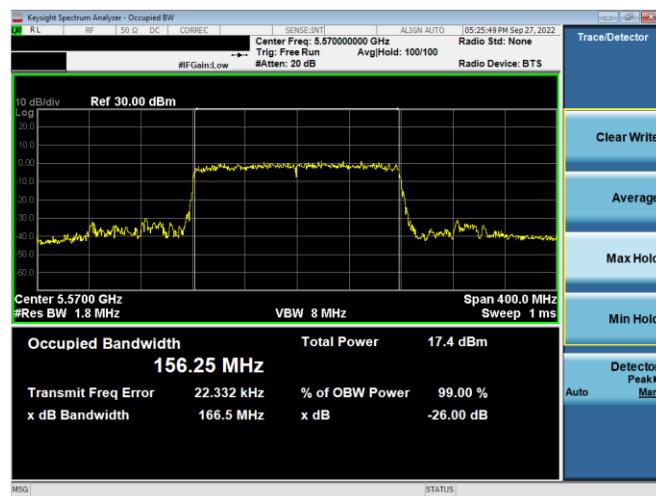
FCC ID: BCG2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-20.BCG	Test Dates: 05/30/2022-9/29/2022	EUT Type: Tablet Device	Page 36 of 278



FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-87. 26dB BW & 99% OBW Antenna WF4a (160MHz BW 11ax Index 52 – RU52 – Ch.114(U))



Plot 7-88. 26dB BW & 99% OBW Antenna WF4a (160MHz BW 11ax – RU996x2 – Ch.114)

FCC ID: BCG2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
IC: 579C-A2764	Test Report S/N: 1C2205090028-20.BCG	Test Dates: 05/30/2022-9/29/2022	EUT Type: Tablet Device

V 10.5 12/15/2021

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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 $\geq 3 \times$ 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.

FCC ID: BCG2764 IC: 579C-A2764	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Antenna WF5b 6dB & 99% Bandwidth Measurements

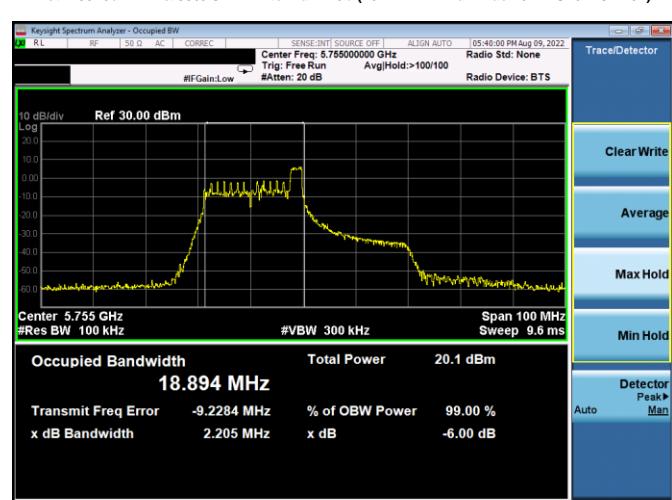
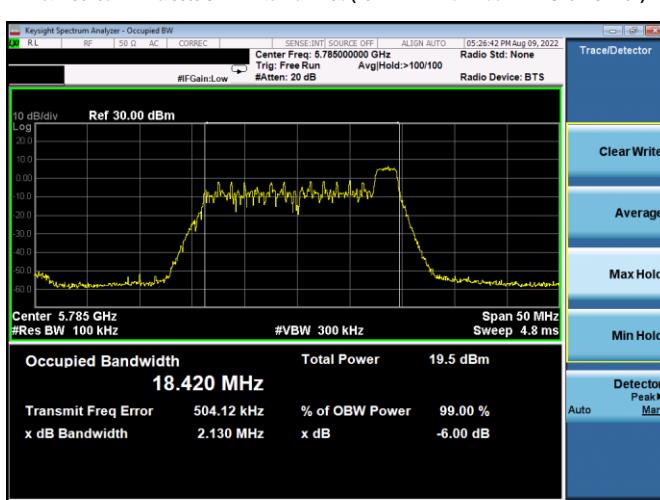
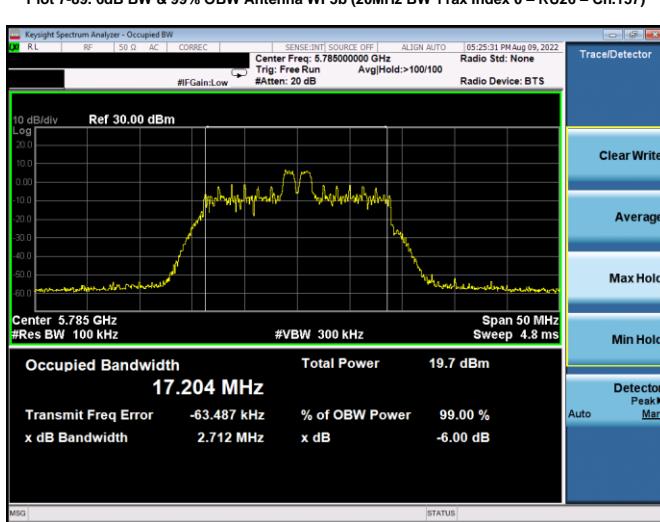
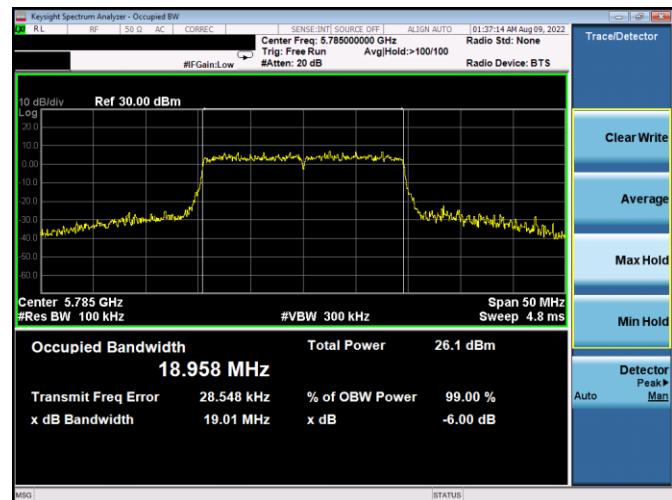
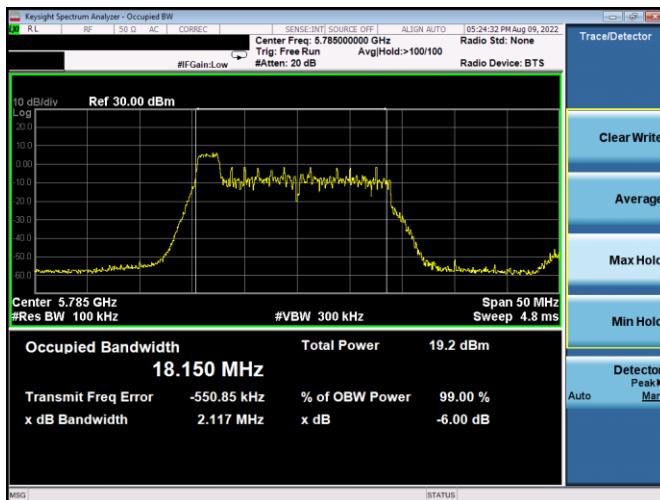
	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	26	0	12.5/14.7 (MCS11)	17.86	2.05	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.19	2.57	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.26	2.09	0.50	Pass
	5785	157	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.15	2.12	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.20	2.71	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.42	2.13	0.50	Pass
	5825	165	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.15	2.13	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.18	2.71	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.35	2.11	0.50	Pass
	5755	151	ax (40MHz)	26	0	12.5/14.7 (MCS11)	18.04	2.15	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.89	2.21	0.50	Pass
				26	17	12.5/14.7 (MCS11)	18.04	2.14	0.50	Pass
	5795	159	ax (40MHz)	26	0	12.5/14.7 (MCS11)	18.03	2.19	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.85	2.14	0.50	Pass
				26	17	12.5/14.7 (MCS11)	18.01	2.12	0.50	Pass
	5775	155	ax (80MHz)	26	0	12.5/14.7 (MCS11)	17.95	2.23	0.50	Pass
				26	18	12.5/14.7 (MCS11)	36.92	2.84	0.50	Pass
				26	36	12.5/14.7 (MCS11)	18.03	2.26	0.50	Pass

Table 7-8. Conducted Bandwidth Measurements Antenna WF5b (RU26)

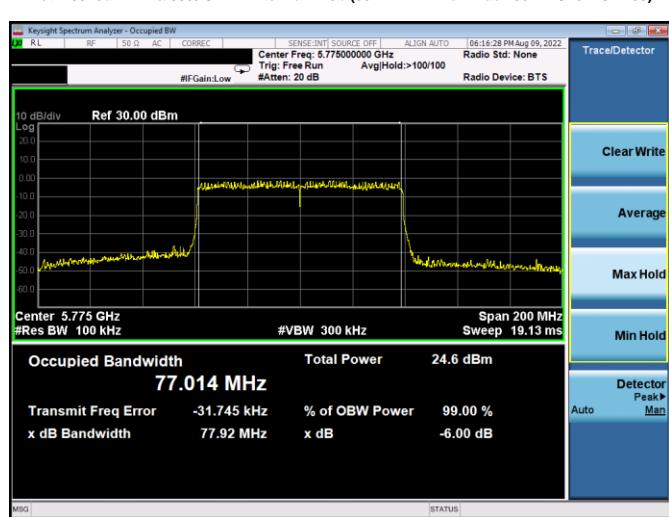
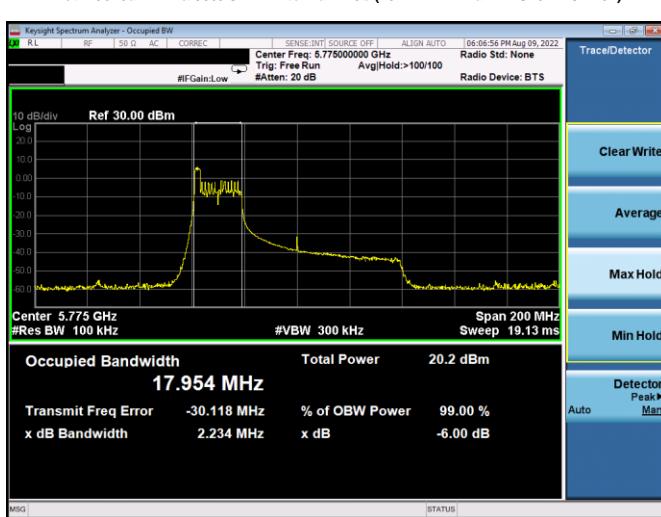
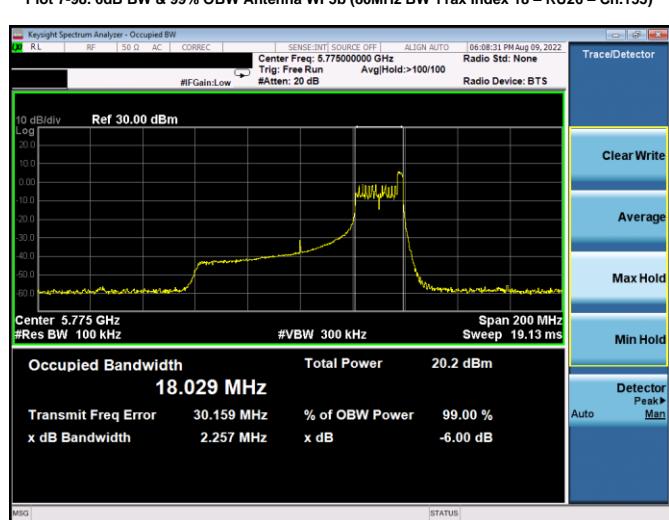
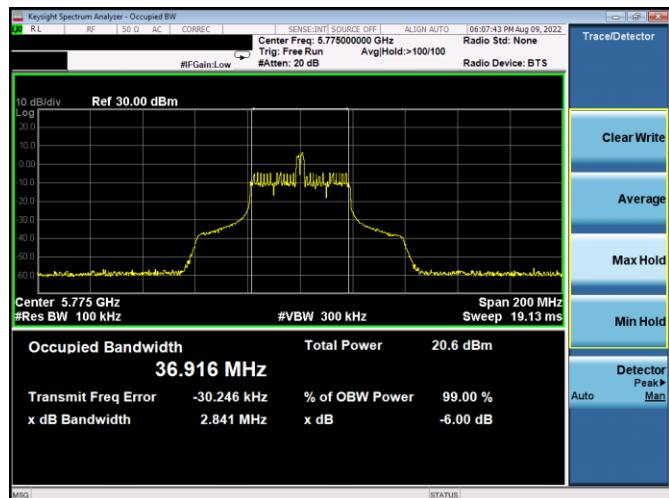
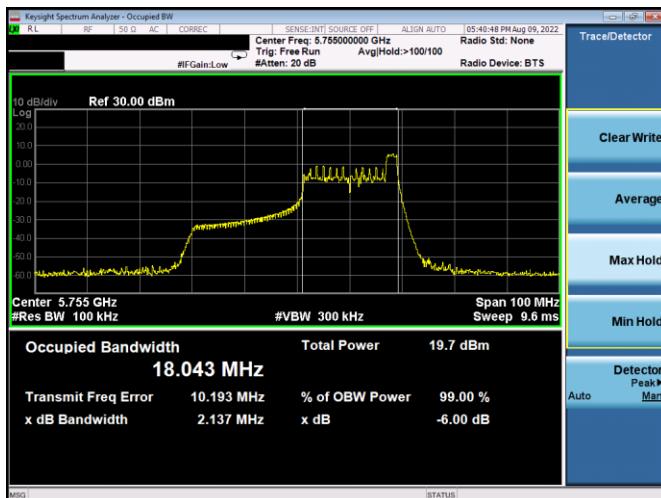
	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.97	19.04	0.50	Pass
	5785	157	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.96	19.01	0.50	Pass
	5825	165	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.96	19.04	0.50	Pass
	5755	151	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.92	38.17	0.50	Pass
	5795	159	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.90	38.19	0.50	Pass
	5775	155	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.01	77.92	0.50	Pass

Table 7-9. Conducted Bandwidth Measurements Antenna WF5b (Fully- loaded RU)

FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-20.BCG	Test Dates: 05/30/2022-9/29/2022	EUT Type: Tablet Device	Page 40 of 278



FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-20.BCG	Test Dates: 05/30/2022-9/29/2022	EUT Type: Tablet Device	Page 41 of 278



FCC ID: BCG2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-20.BCG	Test Dates: 05/30/2022-9/29/2022	EUT Type: Tablet Device	Page 42 of 278

Antenna WF4a 6dB & 99% Bandwidth Measurements

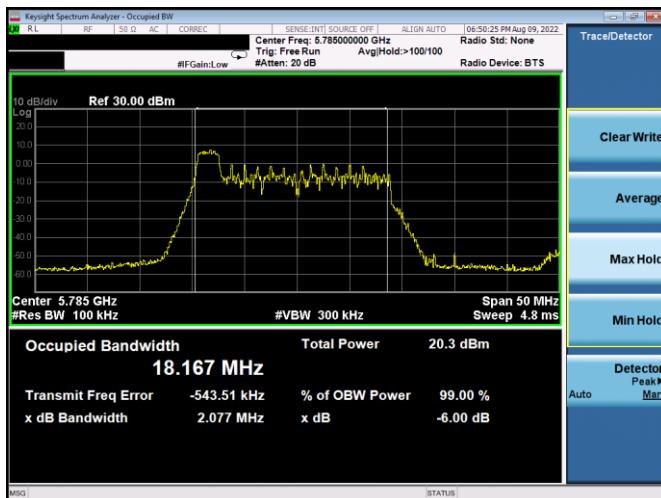
	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.11	2.05	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.02	2.70	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.39	2.12	0.50	Pass
	5785	157	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.17	2.08	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.06	2.69	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.20	2.09	0.50	Pass
	5825	165	ax (20MHz)	26	0	12.5/14.7 (MCS11)	18.14	2.09	0.50	Pass
				26	4	12.5/14.7 (MCS11)	17.14	2.66	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.36	2.11	0.50	Pass
	5755	151	ax (40MHz)	26	0	12.5/14.7 (MCS11)	18.04	2.17	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.85	2.12	0.50	Pass
				26	17	12.5/14.7 (MCS11)	17.99	2.14	0.50	Pass
	5795	159	ax (40MHz)	26	0	12.5/14.7 (MCS11)	18.01	2.15	0.50	Pass
				26	8	12.5/14.7 (MCS11)	18.77	2.13	0.50	Pass
				26	17	12.5/14.7 (MCS11)	18.01	2.12	0.50	Pass
	5775	155	ax (80MHz)	26	0	12.5/14.7 (MCS11)	17.98	2.26	0.50	Pass
				26	18	12.5/14.7 (MCS11)	36.93	2.86	0.50	Pass
				26	36	12.5/14.7 (MCS11)	18.00	2.26	0.50	Pass

Table 7-10. Conducted Bandwidth Measurements Antenna WF4a (RU26)

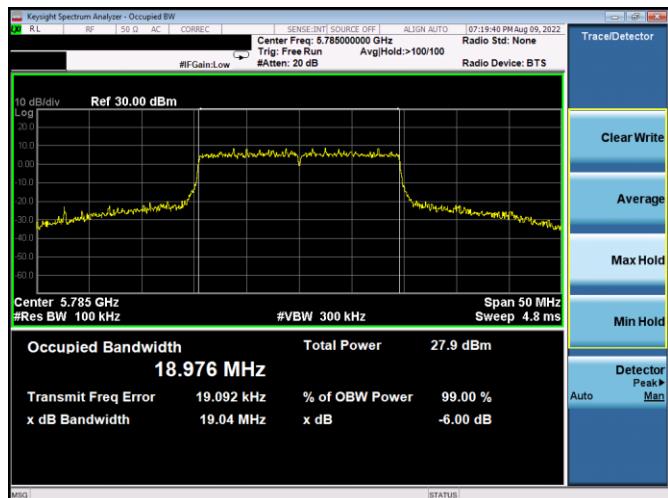
	Frequency [MHz]	Channel No.	802.11 Mode	RU Size	RU Index	Data Rate [Mbps]	Measured 99% Occupied Bandwidth [MHz]	Measured 6dB Bandwidth [MHz]	Minimum 6dB Bandwidth [MHz]	Pass / Fail
Band 3	5745	149	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.98	19.07	0.50	Pass
	5785	157	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.98	19.04	0.50	Pass
	5825	165	ax (20MHz)	242	61	121.9/143.4 (MCS11)	18.98	19.08	0.50	Pass
	5755	151	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.92	38.14	0.50	Pass
	5795	159	ax (40MHz)	484	65	243.8/286.8 (MCS11)	37.92	38.16	0.50	Pass
	5775	155	ax (80MHz)	996	67	510.4/600.5 (MCS11)	77.08	77.58	0.50	Pass

Table 7-11. Conducted Bandwidth Measurements Antenna WF4a (Fully-loaded RU)

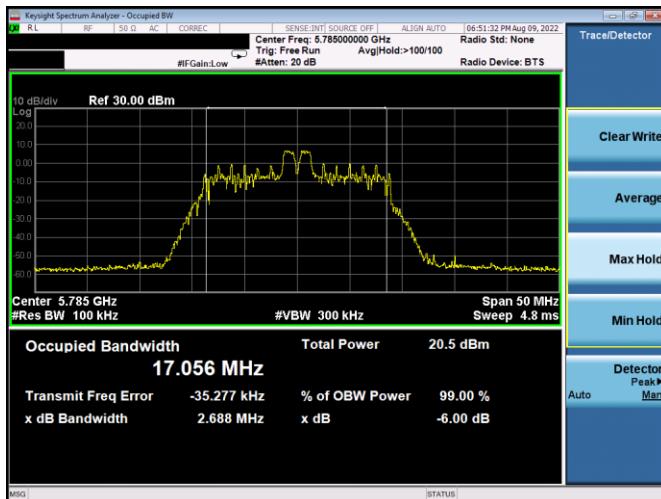
FCC ID: BCG2764 IC: 579C-A2764	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-20.BCG	Test Dates: 05/30/2022-9/29/2022	EUT Type: Tablet Device	Page 43 of 278



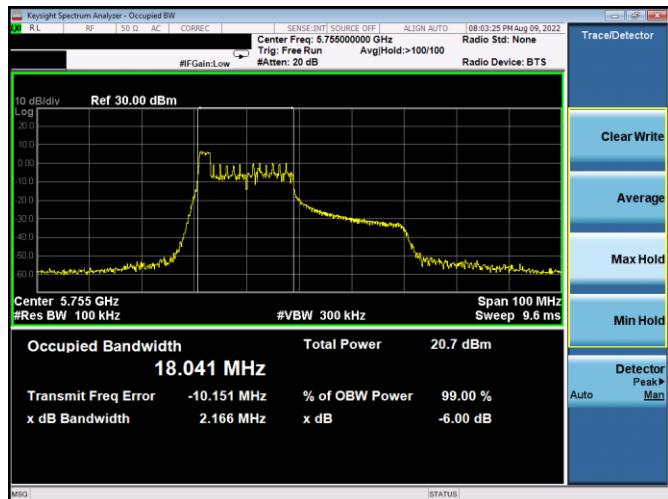
Plot 7-101. 6dB BW & 99% OBW Antenna WF4a (20MHz BW 11ax Index 0 – RU26 – Ch.157)



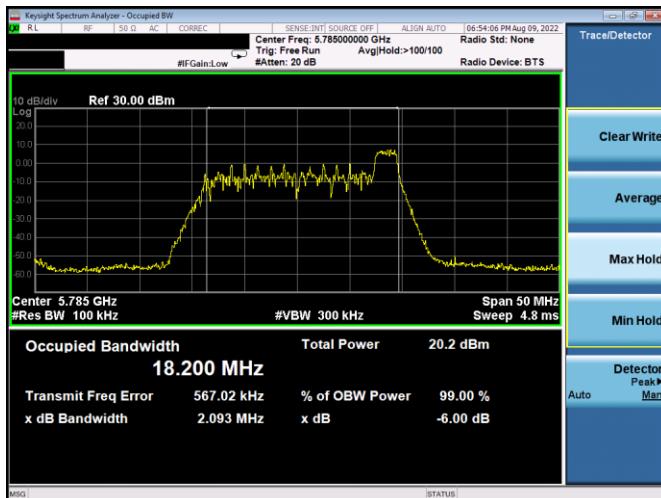
Plot 7-104. 6dB BW & 99% OBW Antenna WF4a (20MHz BW 11ax – RU242 – Ch.157)



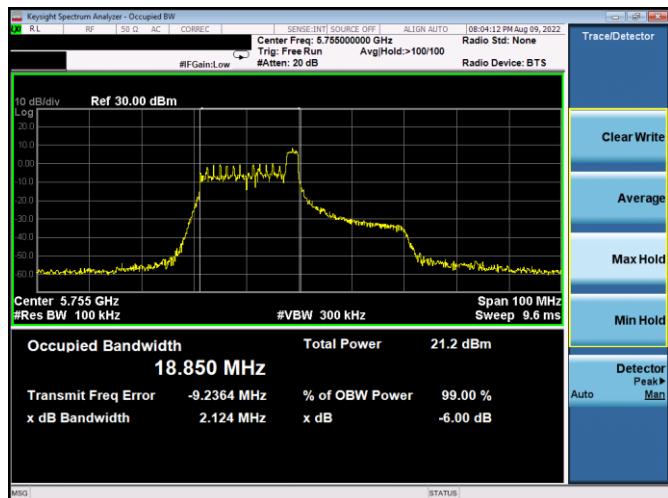
Plot 7-102. 6dB BW & 99% OBW Antenna WF4a (20MHz BW 11ax Index 4 – RU26 – Ch.157)



Plot 7-105. 6dB BW & 99% OBW Antenna WF4a (40MHz BW 11ax Index 0 – RU26 – Ch.151)



Plot 7-103. 6dB BW & 99% OBW Antenna WF4a (20MHz BW 11ax Index 8 – RU26 – Ch.157)



Plot 7-106. 6dB BW & 99% OBW Antenna WF4a (40MHz BW 11ax Index 8 – RU26 – Ch.151)

FCC ID: BCG2764 IC: 579C-A2764	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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