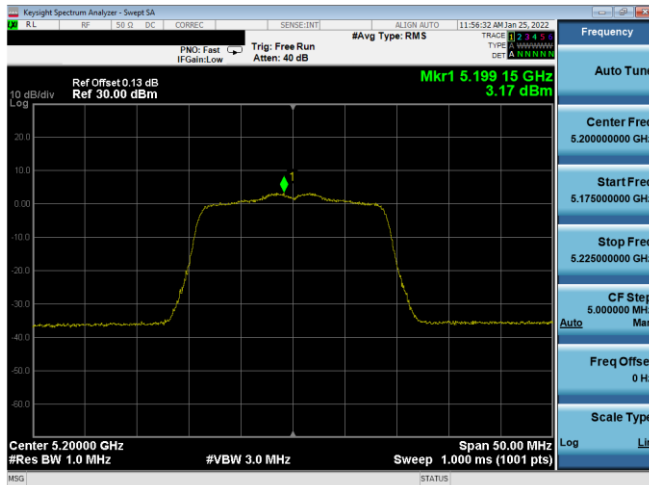
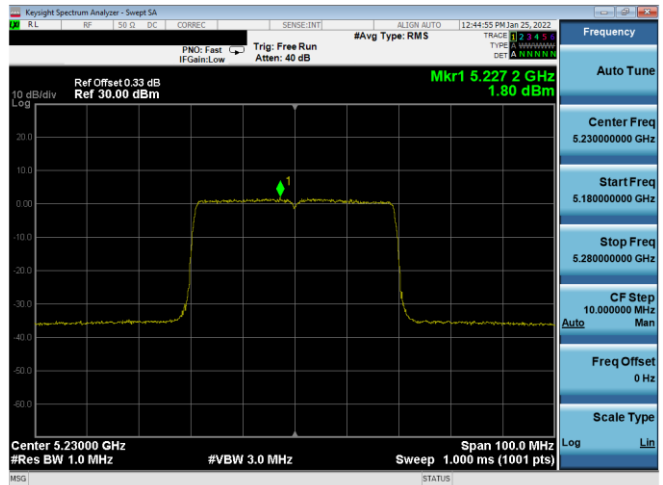


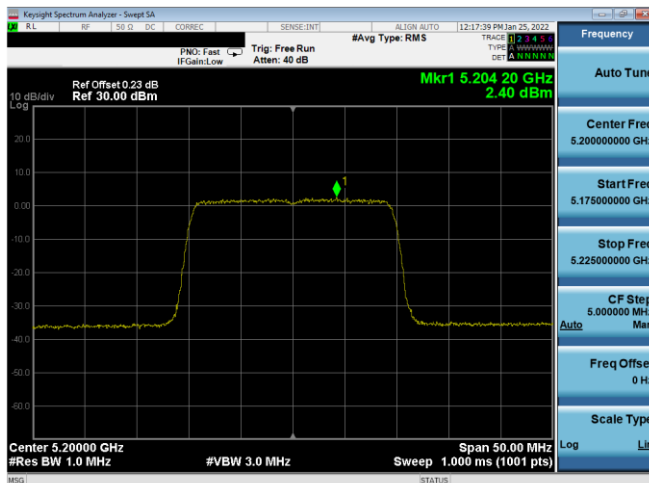
Mid Data Rate



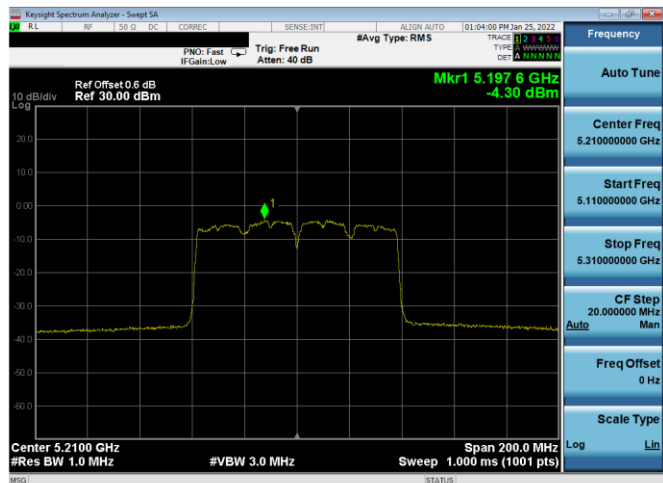
Plot 7-223. ISED PSD Antenna WF8 (20MHz BW 11n – Ch.40, MCS3)



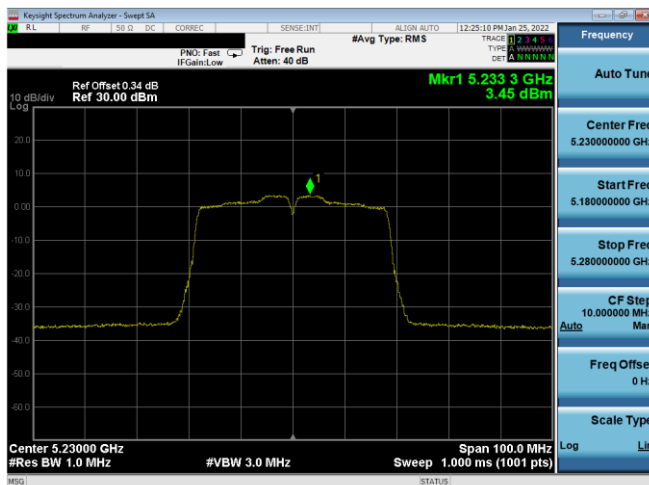
Plot 7-226. ISED PSD Antenna WF8 (40MHz BW 11ax(SU) – Ch.46, MCS3)



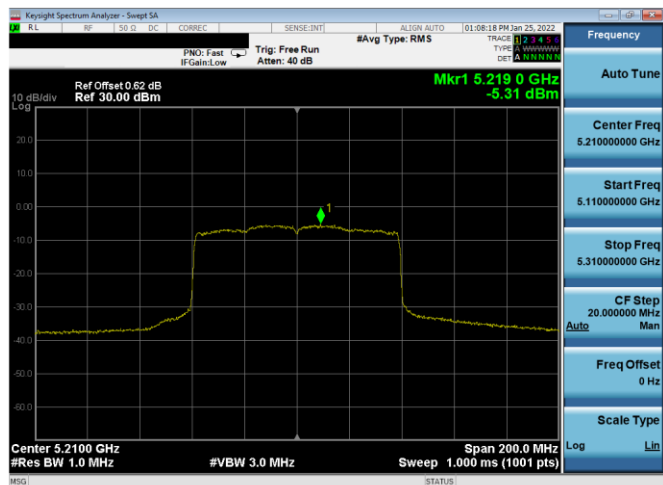
Plot 7-224. ISED PSD Antenna WF8 (20MHz BW 11ax(SU) – Ch.40, MCS3)



Plot 7-227. ISED PSD Antenna WF8 (80MHz BW 11ac – Ch.42, MCS3)



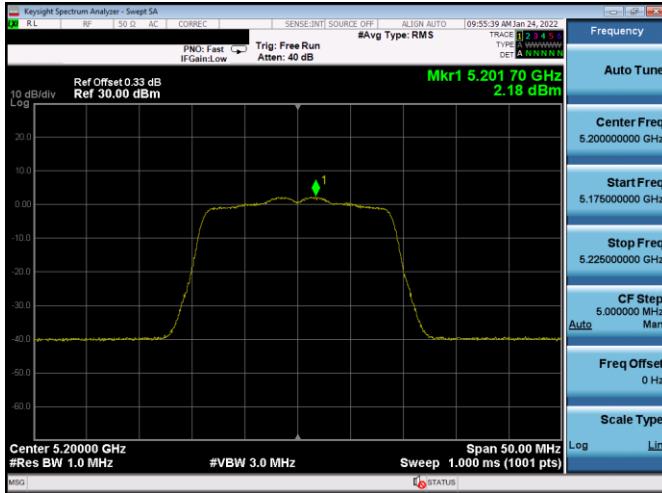
Plot 7-225. ISED PSD Antenna WF8 (40MHz BW 11n – Ch.46, MCS3)



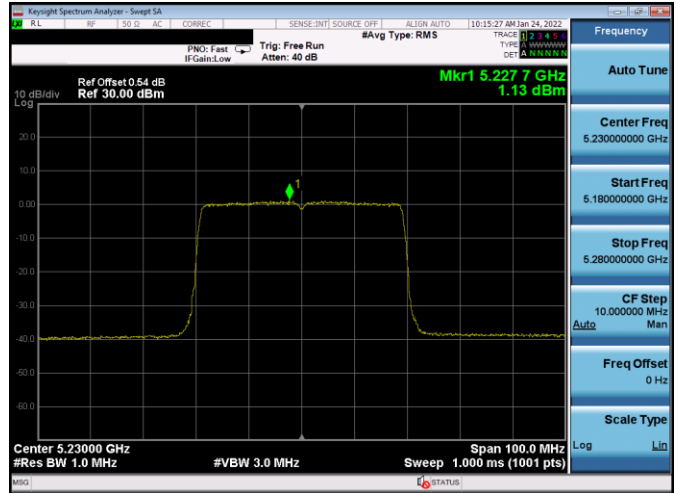
Plot 7-228. ISED PSD Antenna WF8 (80MHz BW 11ax(SU) – Ch.42, MCS3)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 103 of 352

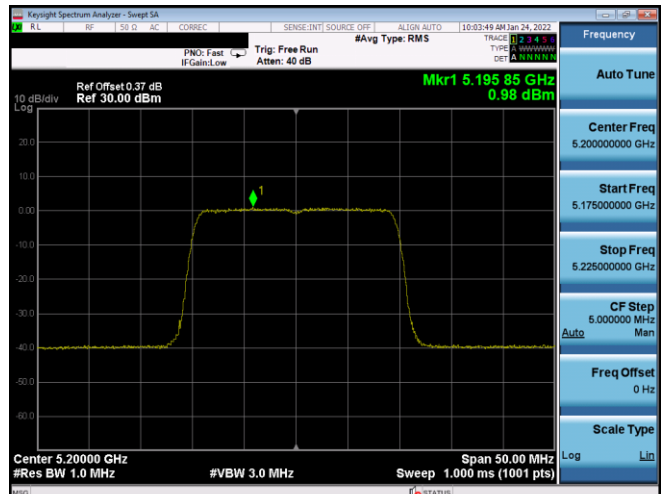
High Data Rate



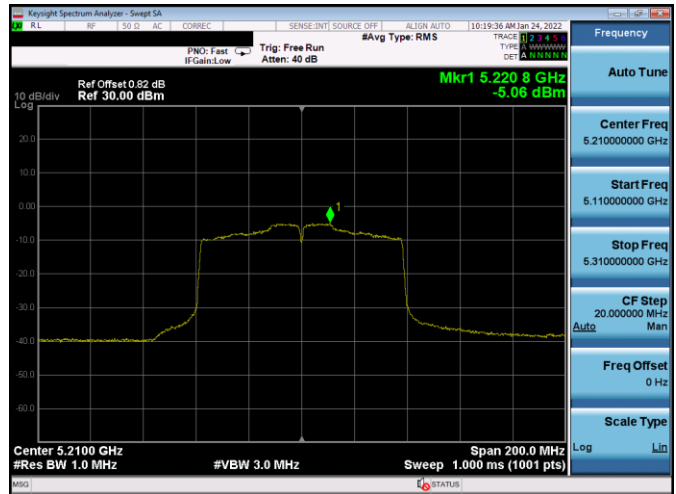
Plot 7-229. ISED PSD Antenna WF8 (20MHz BW 11n – Ch.40, MCS5)



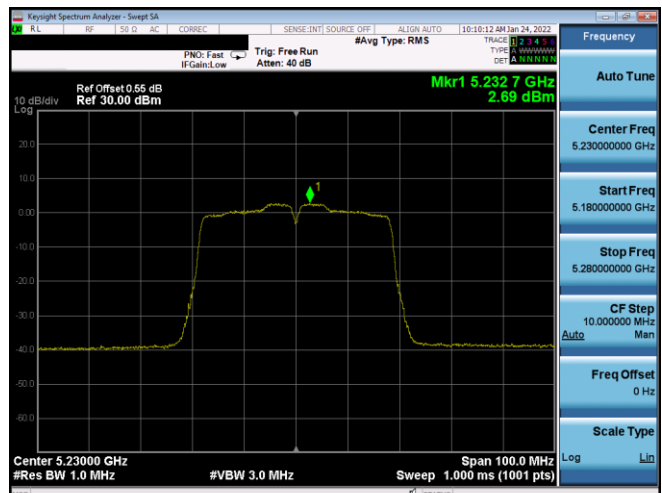
Plot 7-232. ISED PSD Antenna WF8 (40MHz BW 11ax(SU) – Ch.46, MCS5)



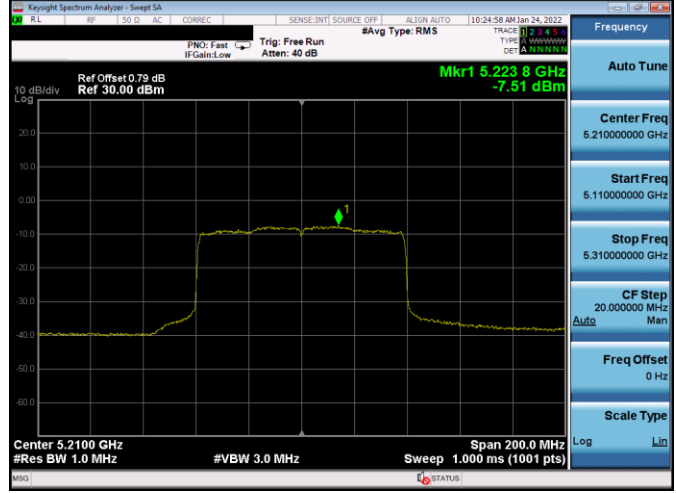
Plot 7-230. ISED PSD Antenna WF8 (20MHz BW 11ax(SU) – Ch.40, MCS5)




Plot 7-233. ISED PSD Antenna WF8 (80MHz BW 11ac – Ch.42, MCS5)



Plot 7-231. ISED PSD Antenna WF8 (40MHz BW 11n – Ch.46, MCS5)



Plot 7-234. ISED PSD Antenna WF8 (80MHz BW 11ax(SU) – Ch.42, MCS5)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 104 of 352

7.5.2 Antenna WF7a Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]	
Band 1	5180	36	n (20MHz)	6.5/7.2 (MCS0)	5.50	11.0	-5.50	
	5200	40	n (20MHz)	6.5/7.2 (MCS0)	8.53	11.0	-2.47	
	5240	48	n (20MHz)	6.5/7.2 (MCS0)	8.65	11.0	-2.36	
	5180	36	ax (SU) (20MHz)	8/8.6 (MCS0)	4.40	11.0	-6.60	
	5200	40	ax (SU) (20MHz)	8/8.6 (MCS0)	6.81	11.0	-4.19	
	5240	48	ax (SU) (20MHz)	8/8.6 (MCS0)	7.02	11.0	-3.98	
	5190	38	n (40MHz)	13.5/15 (MCS0)	2.27	11.0	-8.73	
	5230	46	n (40MHz)	13.5/15 (MCS0)	7.04	11.0	-3.96	
	5190	38	ax (SU) (40MHz)	16/17.2 (MCS0)	-0.24	11.0	-11.24	
	5230	46	ax (SU) (40MHz)	16/17.2 (MCS0)	6.98	11.0	-4.02	
Band 2A	5210	42	ac (80MHz)	29.3/32.5 (MCS0)	-3.51	11.0	-14.51	
	5210	42	ax (SU) (80MHz)	34/36 (MCS0)	-5.59	11.0	-16.59	
	5260	52	n (20MHz)	6.5/7.2 (MCS0)	8.68	11.0	-2.32	
	5280	56	n (20MHz)	6.5/7.2 (MCS0)	8.47	11.0	-2.53	
	5320	64	n (20MHz)	6.5/7.2 (MCS0)	6.03	11.0	-4.97	
	5260	52	ax (SU) (20MHz)	8/8.6 (MCS0)	7.14	11.0	-3.86	
	5280	56	ax (SU) (20MHz)	8/8.6 (MCS0)	6.74	11.0	-4.26	
	5320	64	ax (SU) (20MHz)	8/8.6 (MCS0)	3.12	11.0	-7.88	
	5270	54	n (40MHz)	13.5/15 (MCS0)	6.41	11.0	-4.59	
	5310	62	n (40MHz)	13.5/15 (MCS0)	1.53	11.0	-9.47	
	5270	54	ax (SU) (40MHz)	16/17.2 (MCS0)	4.42	11.0	-6.58	
	5310	62	ax (SU) (40MHz)	16/17.2 (MCS0)	-2.02	11.0	-13.02	
	5290	58	ac (80MHz)	29.3/32.5 (MCS0)	-3.05	11.0	-14.05	
	5290	58	ax (SU) (80MHz)	34/36 (MCS0)	-5.72	11.0	-16.72	
	Band 2C	5500	100	n (20MHz)	6.5/7.2 (MCS0)	6.39	11.0	-4.61
		5580	116	n (20MHz)	6.5/7.2 (MCS0)	7.62	11.0	-3.38
5720		144	n (20MHz)	6.5/7.2 (MCS0)	8.75	11.0	-2.25	
5500		100	ax (SU) (20MHz)	8/8.6 (MCS0)	3.24	11.0	-7.76	
5580		116	ax (SU) (20MHz)	8/8.6 (MCS0)	7.75	11.0	-3.25	
5720		144	ax (SU) (20MHz)	8/8.6 (MCS0)	5.23	11.0	-5.77	
5510		102	n (40MHz)	13.5/15 (MCS0)	0.56	11.0	-10.44	
5550		110	n (40MHz)	13.5/15 (MCS0)	7.58	11.0	-3.42	
*5590		118	n (40MHz)	13.5/15 (MCS0)	5.19	11.0	-5.81	
5710		142	n (40MHz)	13.5/15 (MCS0)	6.26	11.0	-4.74	
5510		102	ax (SU) (40MHz)	16/17.2 (MCS0)	-3.68	11.0	-14.68	
5550		110	ax (SU) (40MHz)	16/17.2 (MCS0)	3.71	11.0	-7.29	
*5590		118	ax (SU) (40MHz)	16/17.2 (MCS0)	3.99	11.0	-7.02	
5710		142	ax (SU) (40MHz)	16/17.2 (MCS0)	4.40	11.0	-6.60	
5530		106	ac (80MHz)	29.3/32.5 (MCS0)	-4.91	11.0	-15.91	
*5610		122	ac (80MHz)	29.3/32.5 (MCS0)	-0.37	11.0	-11.37	
5690		138	ac (80MHz)	29.3/32.5 (MCS0)	-0.11	11.0	-11.11	
5530		106	ax (SU) (80MHz)	34/36 (MCS0)	-7.01	11.0	-18.01	
*5610	122	ax (SU) (80MHz)	34/36 (MCS0)	-2.37	11.0	-13.37		
5690	138	ax (SU) (80MHz)	34/36 (MCS0)	1.95	11.0	-9.05		

Table 7-101. Power Spectral Density Measurements Antenna WF7a (Low Data Rate)

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

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 105 of 352

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	26/28.9 (MCS3)	7.70	11.0	-3.30
	5200	40	n (20MHz)	26/28.9 (MCS3)	8.69	11.0	-2.31
	5240	48	n (20MHz)	26/28.9 (MCS3)	9.08	11.0	-1.92
	5180	36	ax (SU) (20MHz)	33/34.4 (MCS3)	3.28	11.0	-7.72
	5200	40	ax (SU) (20MHz)	33/34.4 (MCS3)	4.83	11.0	-6.17
	5240	48	ax (SU) (20MHz)	33/34.4 (MCS3)	4.62	11.0	-6.38
	5190	38	n (40MHz)	54/60 (MCS3)	3.09	11.0	-7.91
	5230	46	n (40MHz)	54/60 (MCS3)	8.59	11.0	-2.41
	5190	38	ax (SU) (40MHz)	65/68.8 (MCS3)	-3.56	11.0	-14.56
	5230	46	ax (SU) (40MHz)	65/68.8 (MCS3)	4.57	11.0	-6.43
	5210	42	ac (80MHz)	117/130 (MCS3)	-1.13	11.0	-12.13
5210	42	ax (SU) (80MHz)	136/144.1 (MCS3)	-6.54	11.0	-17.54	
Band 2A	5260	52	n (20MHz)	26/28.9 (MCS3)	9.10	11.0	-1.90
	5280	56	n (20MHz)	26/28.9 (MCS3)	9.33	11.0	-1.67
	5320	64	n (20MHz)	26/28.9 (MCS3)	6.70	11.0	-4.30
	5260	52	ax (SU) (20MHz)	33/34.4 (MCS3)	4.63	11.0	-6.37
	5280	56	ax (SU) (20MHz)	33/34.4 (MCS3)	4.52	11.0	-6.48
	5320	64	ax (SU) (20MHz)	33/34.4 (MCS3)	3.94	11.0	-7.06
	5270	54	n (40MHz)	54/60 (MCS3)	8.89	11.0	-2.11
	5310	62	n (40MHz)	54/60 (MCS3)	4.00	11.0	-7.00
	5270	54	ax (SU) (40MHz)	65/68.8 (MCS3)	4.58	11.0	-6.42
	5310	62	ax (SU) (40MHz)	65/68.8 (MCS3)	-2.10	11.0	-13.10
	5290	58	ac (80MHz)	117/130 (MCS3)	-0.97	11.0	-11.97
5290	58	ax (SU) (80MHz)	136/144.1 (MCS3)	-3.35	11.0	-14.35	
Band 2C	5500	100	n (20MHz)	26/28.9 (MCS3)	7.72	11.0	-3.28
	5580	116	n (20MHz)	26/28.9 (MCS3)	8.80	11.0	-2.20
	5720	144	n (20MHz)	26/28.9 (MCS3)	9.04	11.0	-1.96
	5500	100	ax (SU) (20MHz)	33/34.4 (MCS3)	5.27	11.0	-5.73
	5580	116	ax (SU) (20MHz)	33/34.4 (MCS3)	4.59	11.0	-6.41
	5720	144	ax (SU) (20MHz)	33/34.4 (MCS3)	4.38	11.0	-6.62
	5510	102	n (40MHz)	54/60 (MCS3)	1.97	11.0	-9.03
	5550	110	n (40MHz)	54/60 (MCS3)	9.08	11.0	-1.92
	*5590	118	n (40MHz)	54/60 (MCS3)	9.30	11.0	-1.70
	5710	142	n (40MHz)	54/60 (MCS3)	9.03	11.0	-1.97
	5510	102	ax (SU) (40MHz)	65/68.8 (MCS3)	-2.99	11.0	-13.99
	5550	110	ax (SU) (40MHz)	65/68.8 (MCS3)	3.11	11.0	-7.89
	*5590	118	ax (SU) (40MHz)	65/68.8 (MCS3)	4.65	11.0	-6.36
	5710	142	ax (SU) (40MHz)	65/68.8 (MCS3)	4.39	11.0	-6.61
	5530	106	ac (80MHz)	117/130 (MCS3)	-1.78	11.0	-12.78
	*5610	122	ac (80MHz)	117/130 (MCS3)	3.28	11.0	-7.72
	5690	138	ac (80MHz)	117/130 (MCS3)	6.36	11.0	-4.64
	5530	106	ax (SU) (80MHz)	136/144.1 (MCS3)	-5.81	11.0	-16.81
	*5610	122	ax (SU) (80MHz)	136/144.1 (MCS3)	1.57	11.0	-9.44
	5690	138	ax (SU) (80MHz)	136/144.1 (MCS3)	0.02	11.0	-10.98

Table 7-102. Power Spectral Density Measurements Antenna WF7a (Mid Data Rate)

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

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 106 of 352

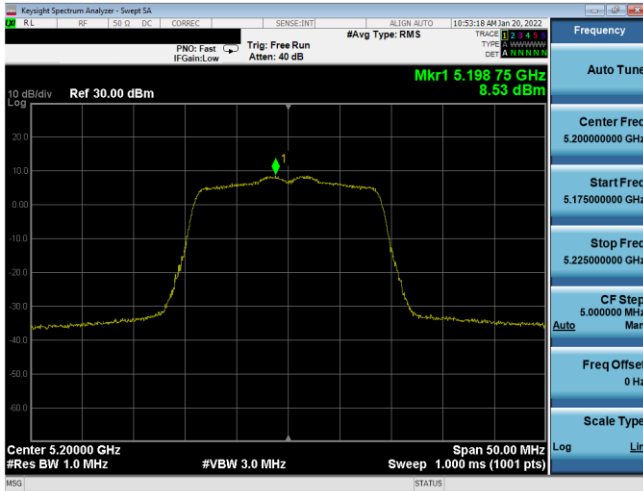
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	52/57.8 (MCS5)	4.93	11.0	-6.07
	5200	40	n (20MHz)	52/57.8 (MCS5)	8.82	11.0	-2.18
	5240	48	n (20MHz)	52/57.8 (MCS5)	9.03	11.0	-1.97
	5180	36	ax (SU) (20MHz)	65/68.8 (MCS5)	4.46	11.0	-6.54
	5200	40	ax (SU) (20MHz)	65/68.8 (MCS5)	8.79	11.0	-2.21
	5240	48	ax (SU) (20MHz)	65/68.8 (MCS5)	8.46	11.0	-2.54
	5190	38	n (40MHz)	108/120 (MCS5)	0.67	11.0	-10.33
	5230	46	n (40MHz)	108/120 (MCS5)	6.35	11.0	-4.65
	5190	38	ax (SU) (40MHz)	130/137.6 (MCS5)	-1.24	11.0	-12.24
	5230	46	ax (SU) (40MHz)	130/137.6 (MCS5)	6.65	11.0	-4.35
	5210	42	ac (80MHz)	234/260 (MCS5)	-3.83	11.0	-14.83
	5210	42	ax (SU) (80MHz)	272/288.2 (MCS5)	-5.15	11.0	-16.15
Band 2A	5260	52	n (20MHz)	52/57.8 (MCS5)	8.71	11.0	-2.29
	5280	56	n (20MHz)	52/57.8 (MCS5)	7.80	11.0	-3.20
	5320	64	n (20MHz)	52/57.8 (MCS5)	5.75	11.0	-5.25
	5260	52	ax (SU) (20MHz)	65/68.8 (MCS5)	8.49	11.0	-2.51
	5280	56	ax (SU) (20MHz)	65/68.8 (MCS5)	8.59	11.0	-2.42
	5320	64	ax (SU) (20MHz)	65/68.8 (MCS5)	4.02	11.0	-6.98
	5270	54	n (40MHz)	108/120 (MCS5)	6.40	11.0	-4.60
	5310	62	n (40MHz)	108/120 (MCS5)	0.83	11.0	-10.17
	5270	54	ax (SU) (40MHz)	130/137.6 (MCS5)	6.17	11.0	-4.83
	5310	62	ax (SU) (40MHz)	130/137.6 (MCS5)	0.10	11.0	-10.90
	5290	58	ac (80MHz)	234/260 (MCS5)	-3.85	11.0	-14.85
	5290	58	ax (SU) (80MHz)	272/288.2 (MCS5)	-4.36	11.0	-15.36
Band 2C	5500	100	n (20MHz)	52/57.8 (MCS5)	5.33	11.0	-5.67
	5580	116	n (20MHz)	52/57.8 (MCS5)	8.86	11.0	-2.14
	5720	144	n (20MHz)	52/57.8 (MCS5)	8.94	11.0	-2.06
	5500	100	ax (SU) (20MHz)	65/68.8 (MCS5)	3.91	11.0	-7.09
	5580	116	ax (SU) (20MHz)	65/68.8 (MCS5)	8.62	11.0	-2.38
	5720	144	ax (SU) (20MHz)	65/68.8 (MCS5)	8.17	11.0	-2.83
	5510	102	n (40MHz)	108/120 (MCS5)	0.21	11.0	-10.79
	5550	110	n (40MHz)	108/120 (MCS5)	6.23	11.0	-4.77
	*5590	118	n (40MHz)	108/120 (MCS5)	7.31	11.0	-3.69
	5710	142	n (40MHz)	108/120 (MCS5)	7.06	11.0	-3.94
	5510	102	ax (SU) (40MHz)	130/137.6 (MCS5)	-2.18	11.0	-13.18
	5550	110	ax (SU) (40MHz)	130/137.6 (MCS5)	6.08	11.0	-4.92
	*5590	118	ax (SU) (40MHz)	130/137.6 (MCS5)	7.00	11.0	-4.00
	5710	142	ax (SU) (40MHz)	130/137.6 (MCS5)	6.92	11.0	-4.08
	5530	106	ac (80MHz)	234/260 (MCS5)	-3.19	11.0	-14.19
	*5610	122	ac (80MHz)	234/260 (MCS5)	1.00	11.0	-10.00
	5690	138	ac (80MHz)	234/260 (MCS5)	2.32	11.0	-8.68
	5530	106	ax (SU) (80MHz)	272/288.2 (MCS5)	-4.01	11.0	-15.01
	*5610	122	ax (SU) (80MHz)	272/288.2 (MCS5)	0.52	11.0	-10.48
	5690	138	ax (SU) (80MHz)	272/288.2 (MCS5)	1.82	11.0	-9.18

Table 7-103. Power Spectral Density Measurements Antenna WF7a (High Data Rate)

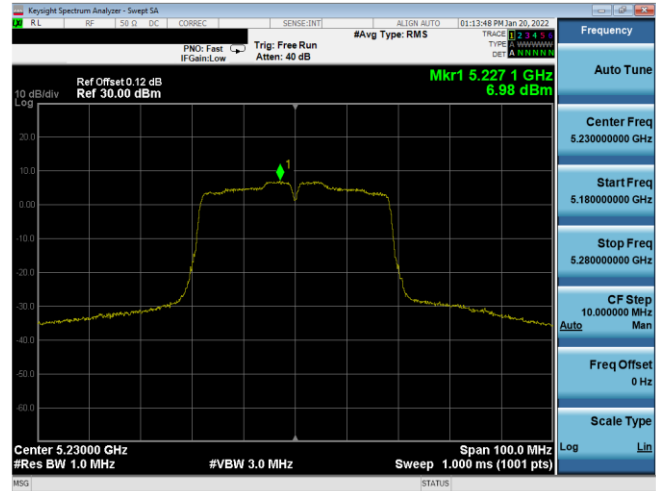
*TDWR channel is not supported for ISED (denoted by a * next to the frequency)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 107 of 352

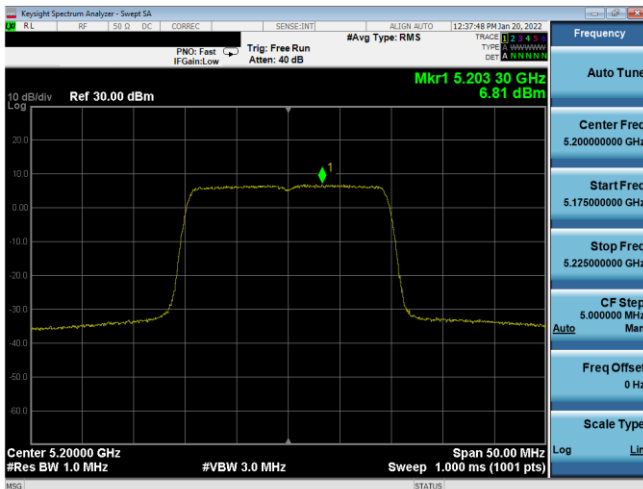
Low Data Rate



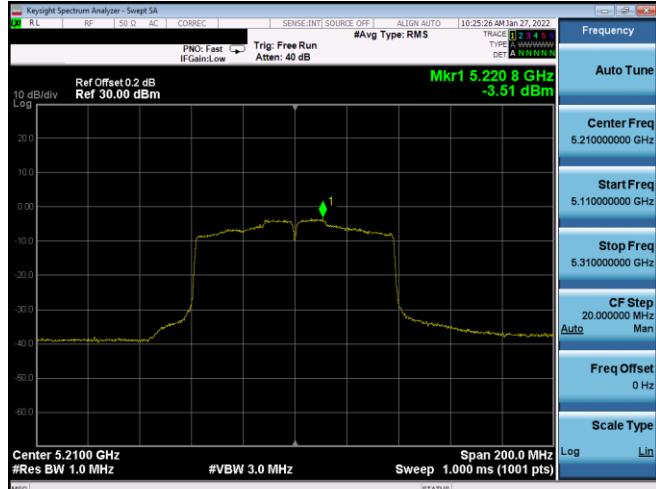
Plot 7-235. PSD Antenna WF7a (20MHz BW 802.11n – Ch. 40, MCS0)



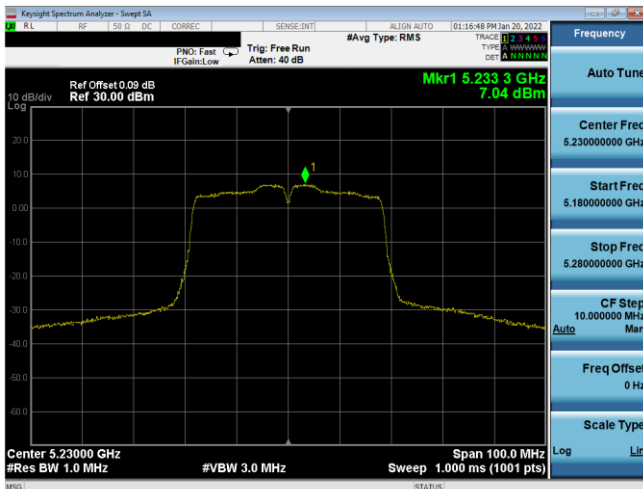
Plot 7-238. PSD Antenna WF7a (40MHz BW 802.11ax(SU) – Ch. 46, MCS0)



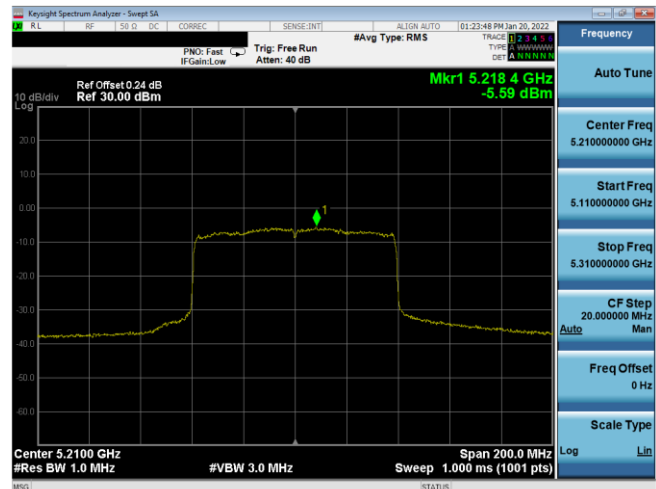
Plot 7-236. PSD Antenna WF7a (20MHz BW 802.11ax(SU) – Ch. 40, MCS0)



Plot 7-239. PSD Antenna WF7a (80MHz BW 802.11ac – Ch. 42, MCS0)

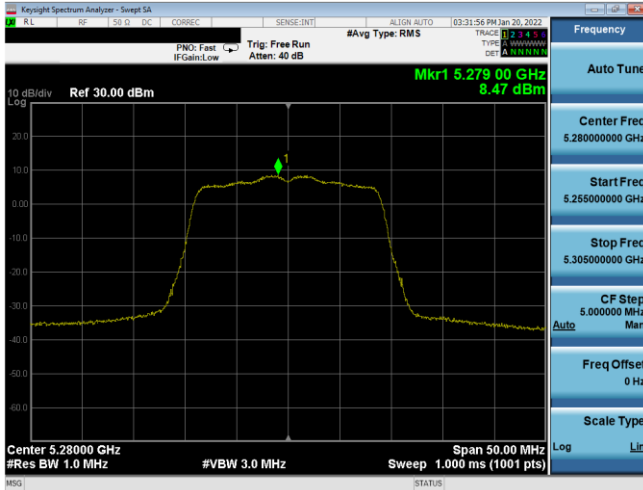


Plot 7-237. PSD Antenna WF7a (40MHz BW 802.11n – Ch. 46, MCS0)

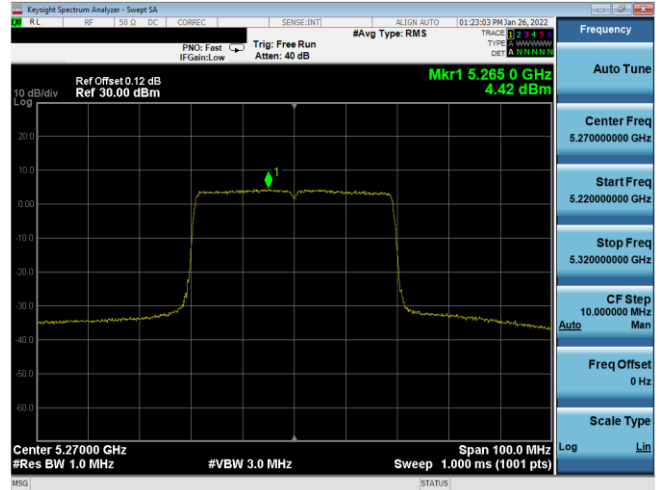


Plot 7-240. PSD Antenna WF7a (80MHz BW 802.11ax(SU) – Ch. 42, MCS0)

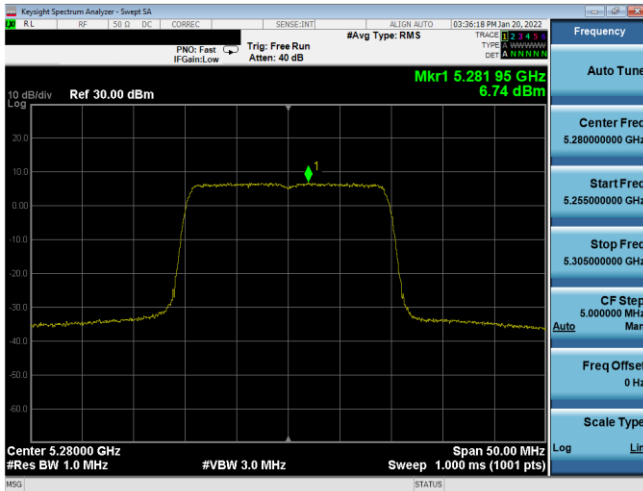
FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 108 of 352



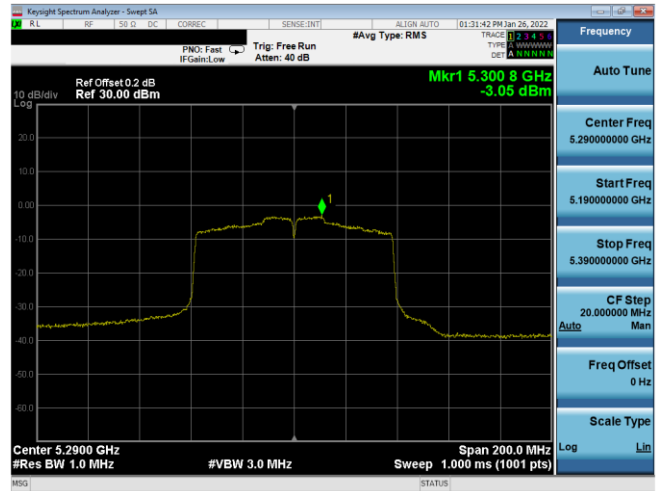
Plot 7-241. PSD Antenna WF7a (20MHz BW 802.11n – Ch. 56, MCS0)



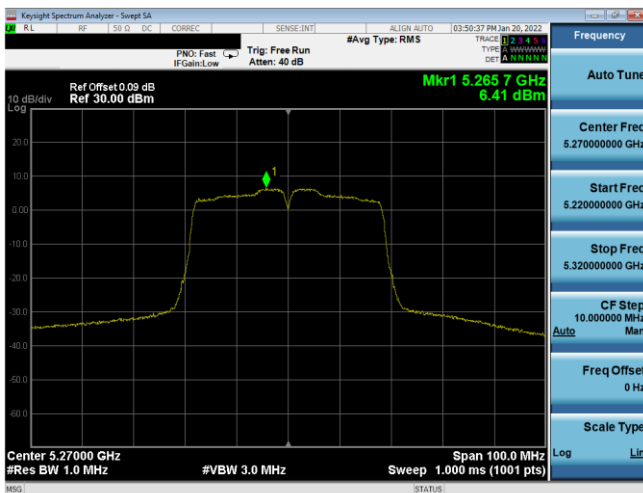
Plot 7-244. PSD Antenna WF7a (40MHz BW 802.11ax(SU) – Ch. 54, MCS0)



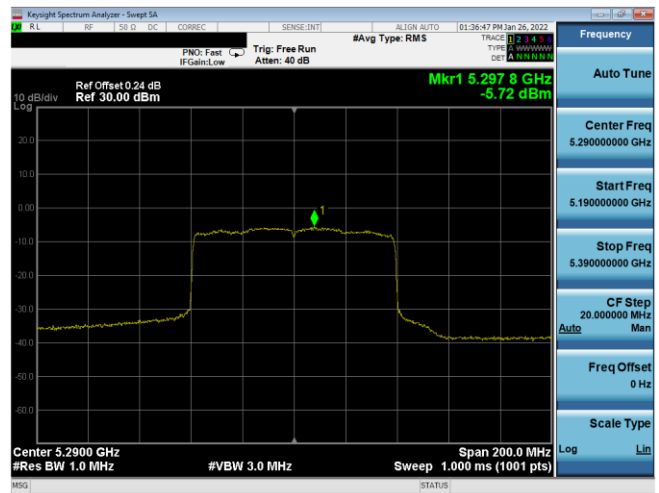
Plot 7-242. PSD Antenna WF7a (20MHz BW 802.11ax(SU) – Ch. 56, MCS0)



Plot 7-245. PSD Antenna WF7a (80MHz BW 802.11ac – Ch. 58, MCS0)

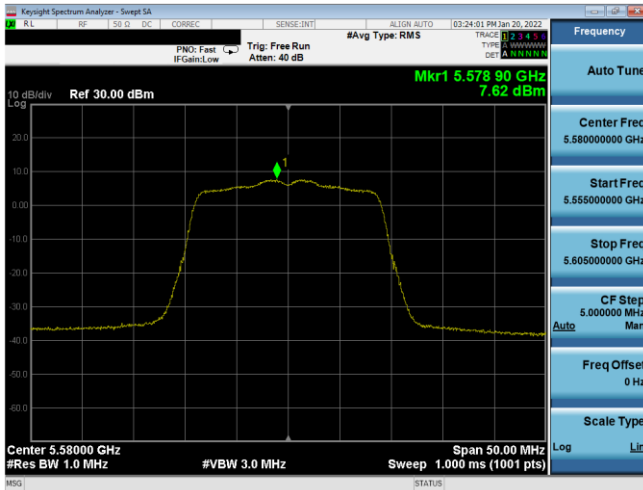


Plot 7-243. PSD Antenna WF7a (40MHz BW 802.11n – Ch. 54, MCS0)

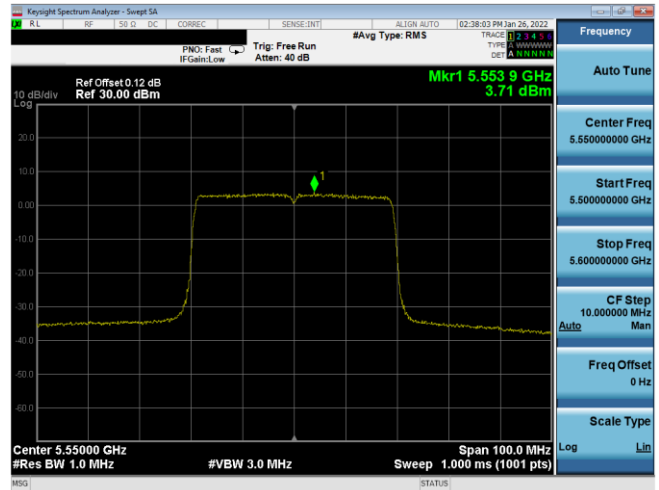


Plot 7-246. PSD Antenna WF7a (80MHz BW 802.11ax(SU) – Ch. 58, MCS0)

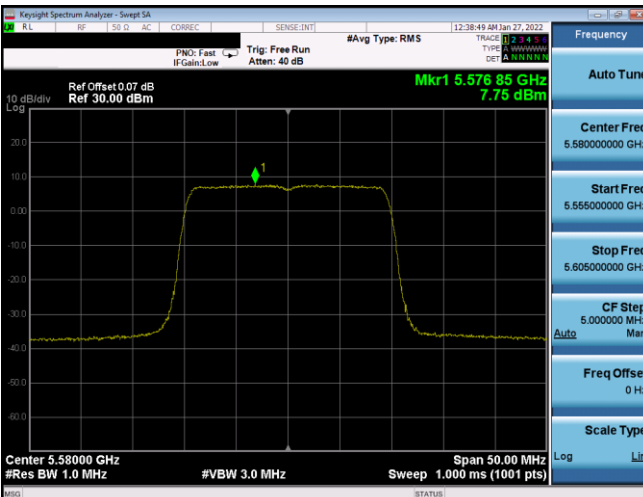
FCC ID: BCGA2588 IC: 579C-A2588	 Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 109 of 352



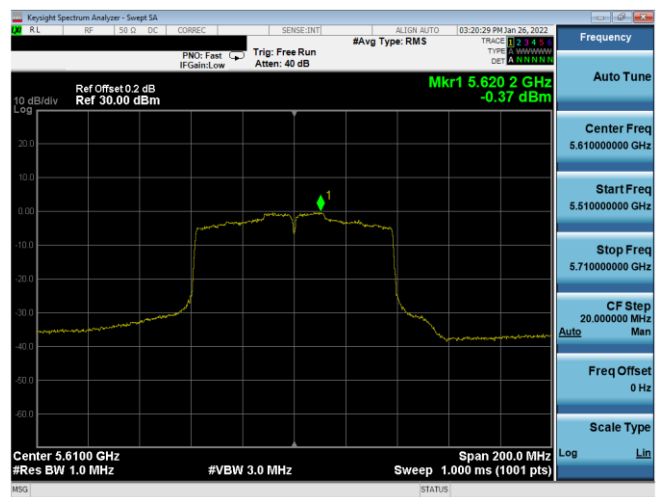
Plot 7-247. PSD Antenna WF7a (20MHz BW 802.11n – Ch. 116, MCS0)



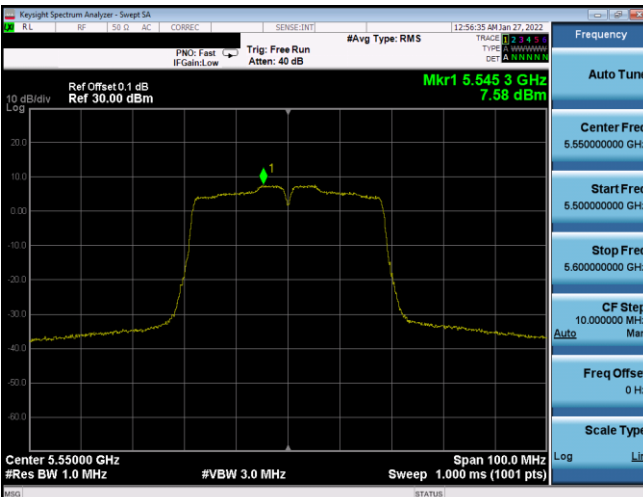
Plot 7-250. PSD Antenna WF7a (40MHz BW 802.11ax(SU) – Ch. 110, MCS0)



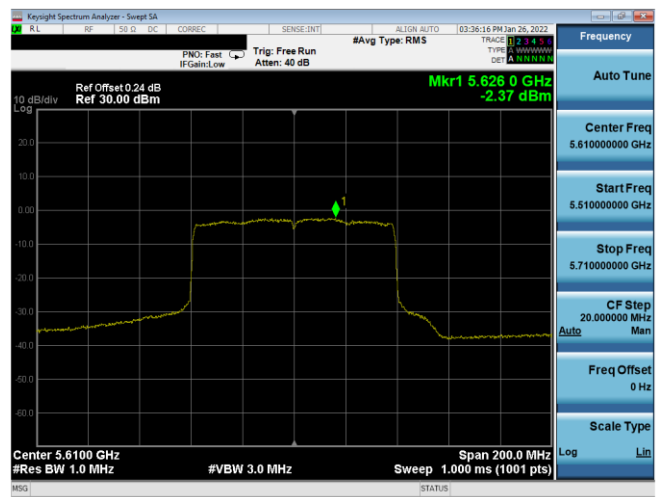
Plot 7-248. PSD Antenna WF7a (20MHz BW 802.11ax(SU) – Ch. 116, MCS0)



Plot 7-251. PSD Antenna WF7a (80MHz BW 802.11ac – Ch. 122, MCS0)



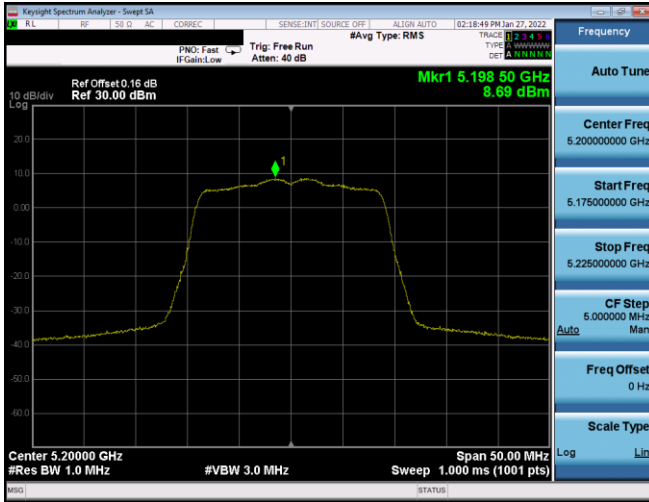
Plot 7-249. PSD Antenna WF7a (40MHz BW 802.11n – Ch. 110, MCS0)



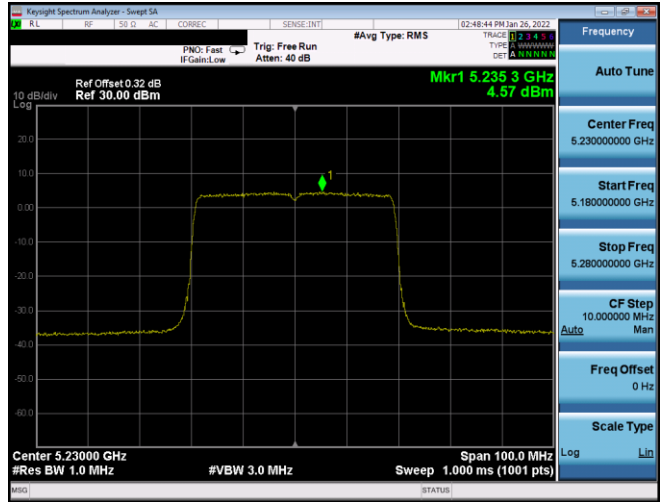
Plot 7-252. PSD Antenna WF7a (80MHz BW 802.11ax(SU) – Ch. 122, MCS0)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 110 of 352

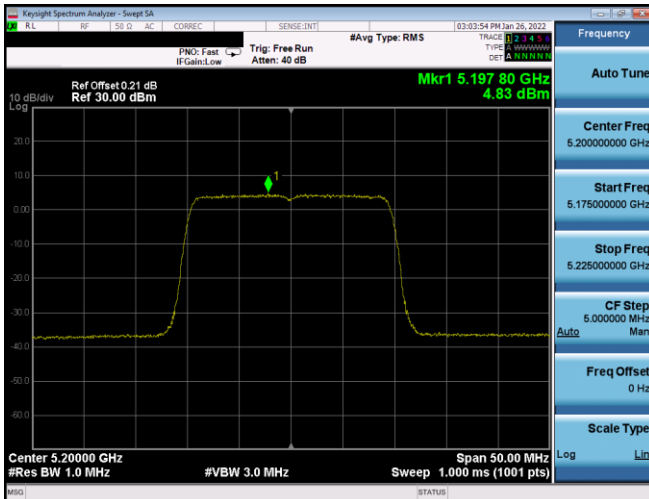
Mid Data Rate



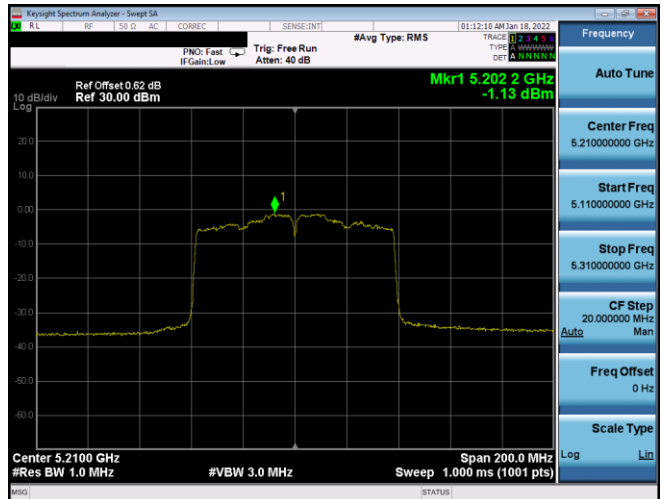
Plot 7-253. PSD Antenna WF7a (20MHz BW 802.11n – Ch. 40, MCS3)



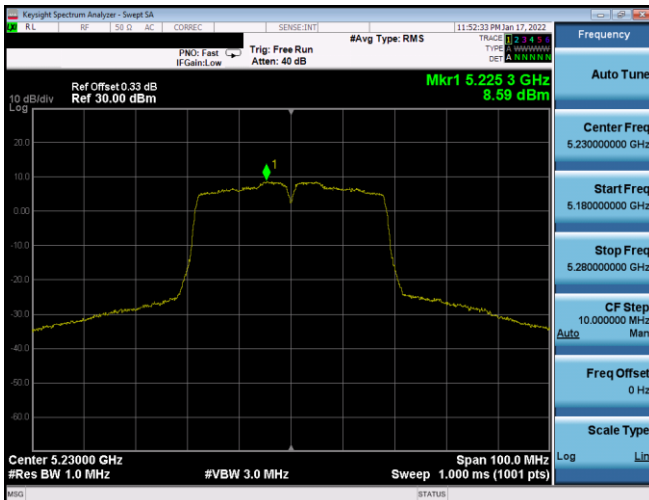
Plot 7-256. PSD Antenna WF7a (40MHz BW 802.11ax(SU) – Ch. 46, MCS3)



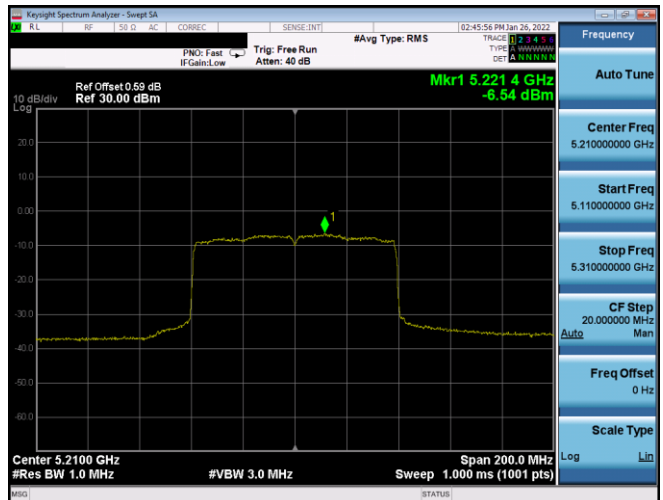
Plot 7-254. PSD Antenna WF7a (20MHz BW 802.11ax(SU) – Ch. 40, MCS3)



Plot 7-257. PSD Antenna WF7a (80MHz BW 802.11ac – Ch. 42, MCS3)

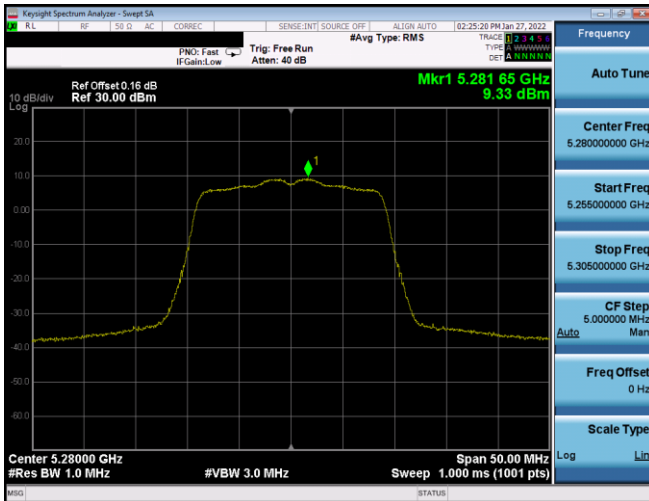


Plot 7-255. PSD Antenna WF7a (40MHz BW 802.11n – Ch. 46, MCS3)

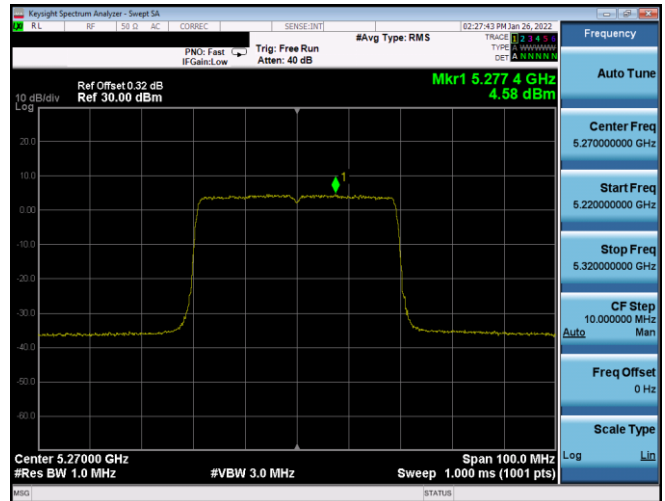


Plot 7-258. PSD Antenna WF7a (80MHz BW 802.11ax(SU) – Ch. 42, MCS3)

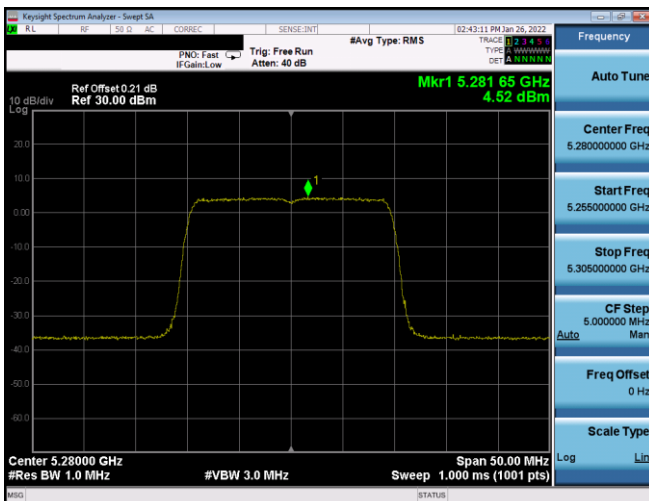
FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 111 of 352



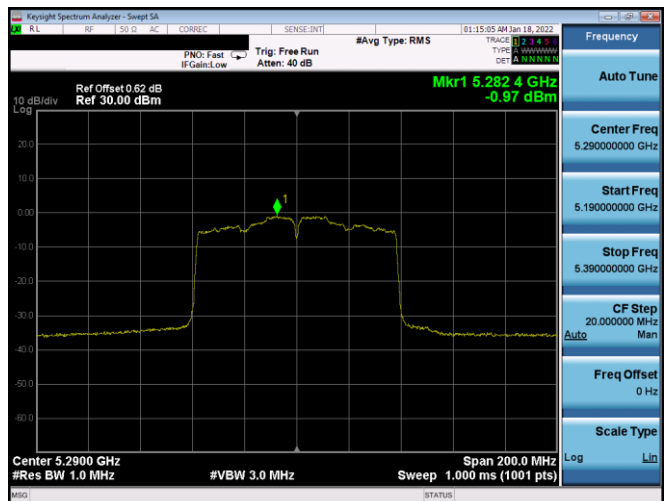
Plot 7-259. PSD Antenna WF7a (20MHz BW 802.11n – Ch. 56, MCS3)



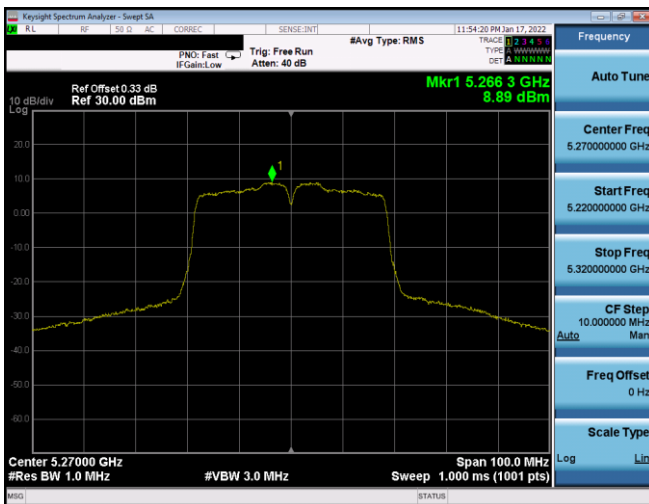
Plot 7-262. PSD Antenna WF7a (40MHz BW 802.11ax(SU) – Ch. 54, MCS3)



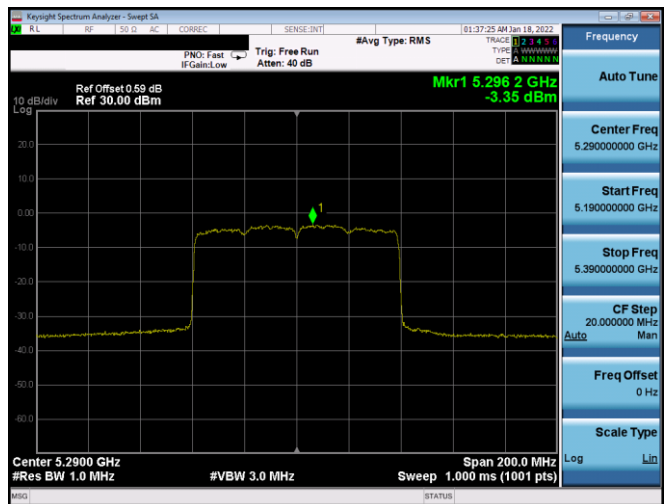
Plot 7-260. PSD Antenna WF7a (20MHz BW 802.11ax(SU) – Ch. 56, MCS3)



Plot 7-263. PSD Antenna WF7a (80MHz BW 802.11ac – Ch. 58, MCS3)

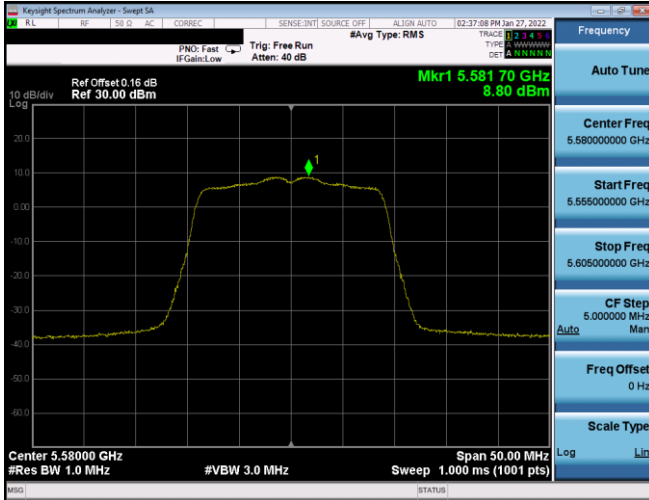


Plot 7-261. PSD Antenna WF7a (40MHz BW 802.11n – Ch. 54, MCS3)

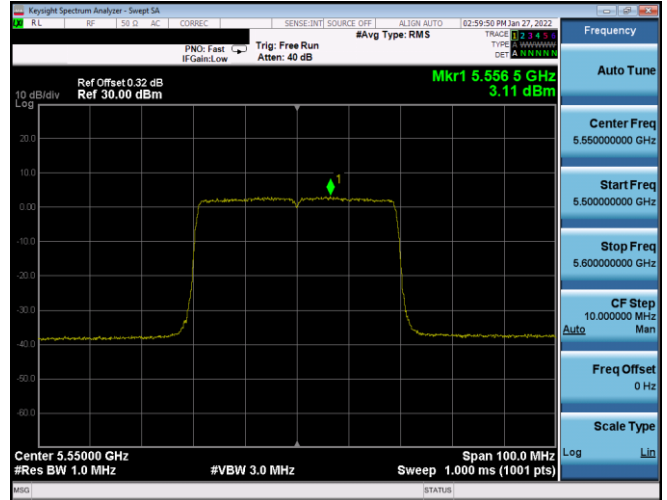


Plot 7-264. PSD Antenna WF7a (80MHz BW 802.11ax(SU) – Ch. 58, MCS3)

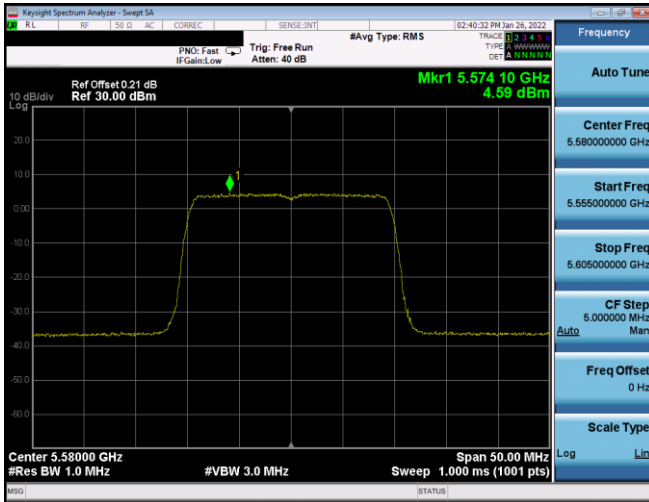
FCC ID: BCGA2588 IC: 579C-A2588	 <p>Proud to be part of element</p>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 112 of 352



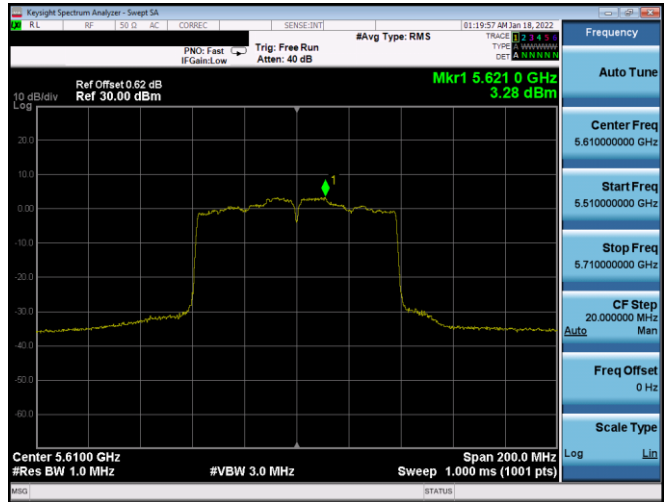
Plot 7-265. PSD Antenna WF7a (20MHz BW 802.11n – Ch. 116, MCS3)



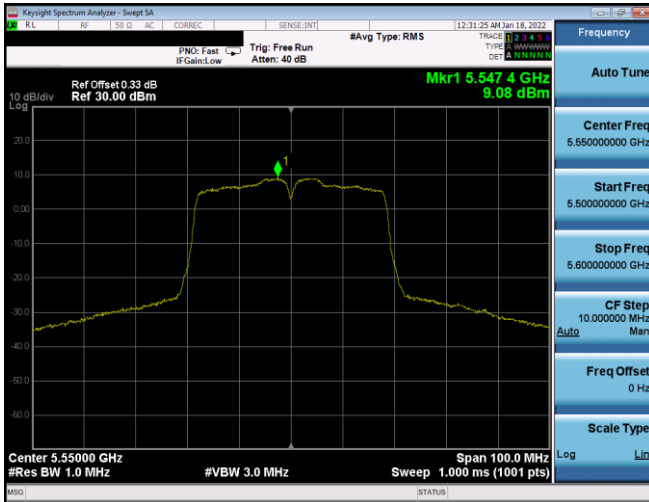
Plot 7-268. PSD Antenna WF7a (40MHz BW 802.11ax(SU) – Ch. 110, MCS3)



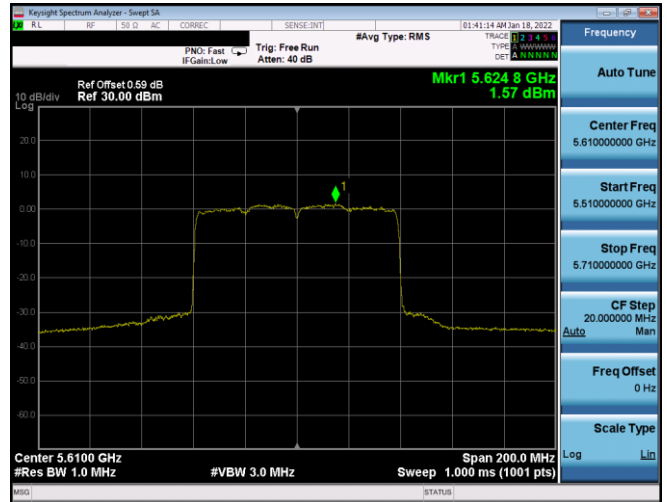
Plot 7-266. PSD Antenna WF7a (20MHz BW 802.11ax(SU) – Ch. 116, MCS3)



Plot 7-269. PSD Antenna WF7a (80MHz BW 802.11ac – Ch. 122, MCS3)



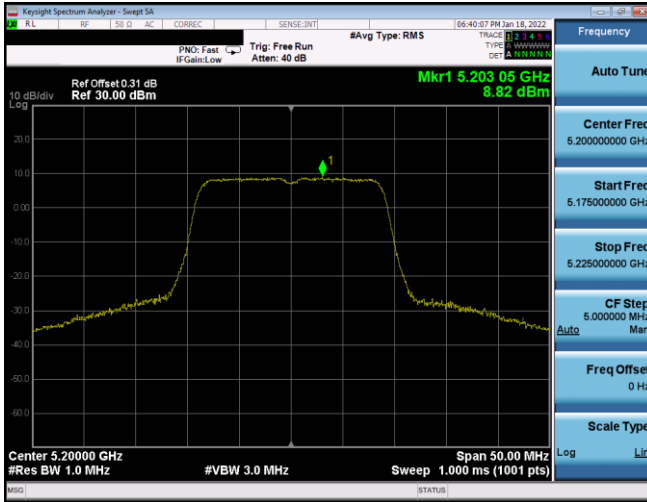
Plot 7-267. PSD Antenna WF7a (40MHz BW 802.11n – Ch. 110, MCS3)



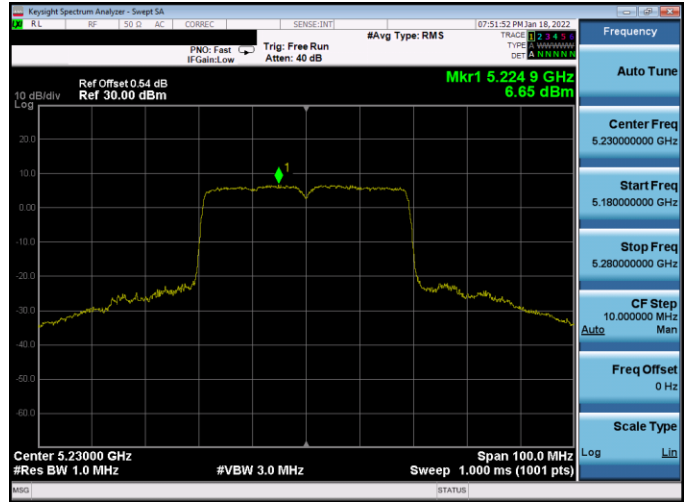
Plot 7-270. PSD Antenna WF7a (80MHz BW 802.11ax(SU) – Ch. 122, MCS3)

FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 113 of 352

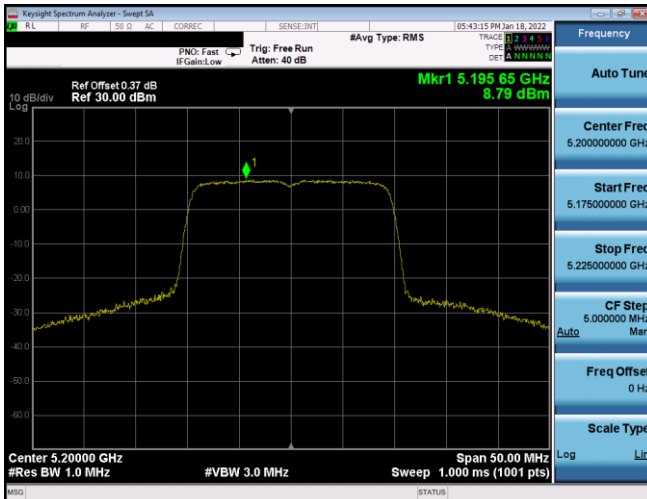
High Data Rate



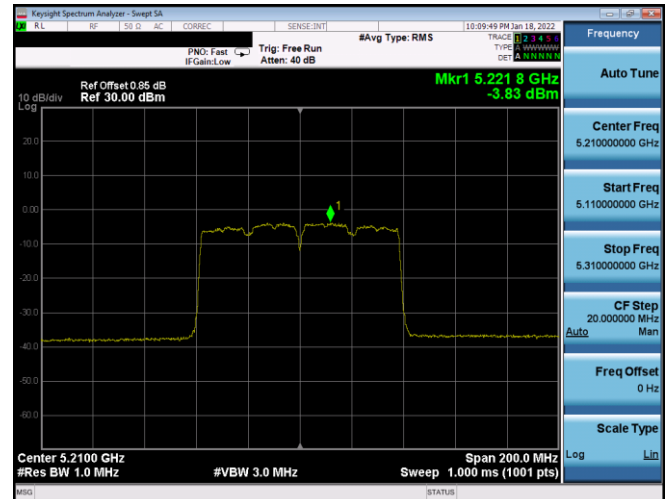
Plot 7-271. PSD Antenna WF7a (20MHz BW 802.11n – Ch. 40, MCS5)



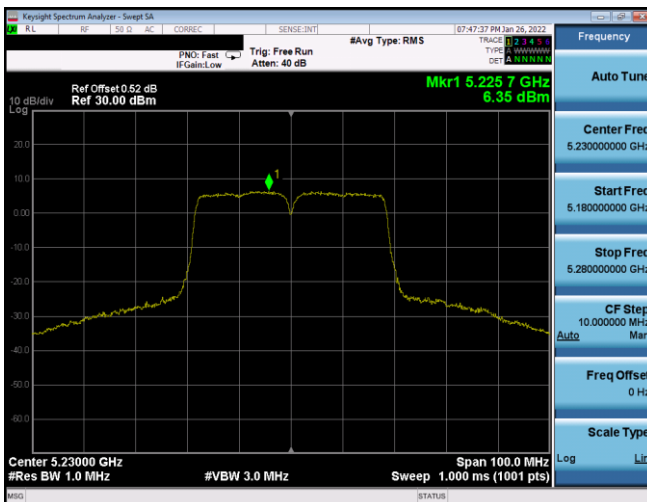
Plot 7-274. PSD Antenna WF7a (40MHz BW 802.11ax(SU) – Ch. 46, MCS5)



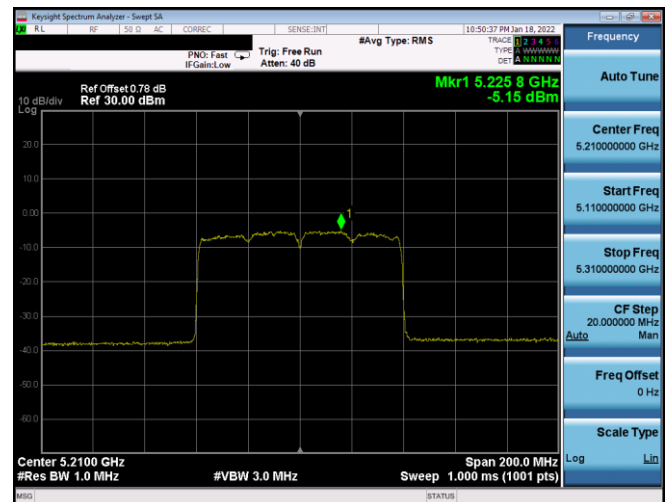
Plot 7-272. PSD Antenna WF7a (20MHz BW 802.11ax(SU) – Ch. 40, MCS5)



Plot 7-275. PSD Antenna WF7a (80MHz BW 802.11ac – Ch. 42, MCS5)

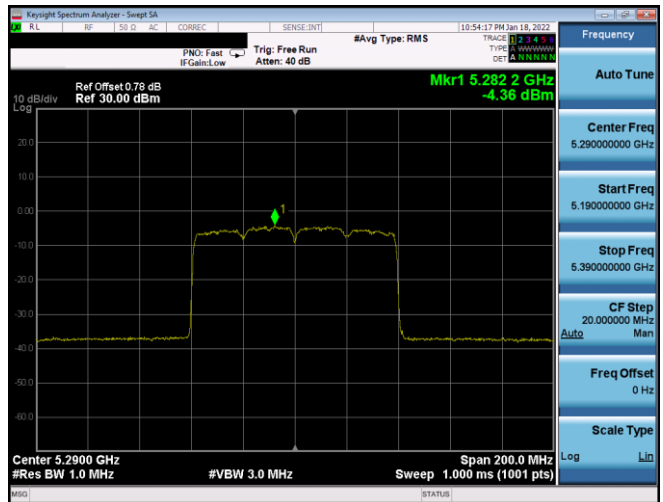
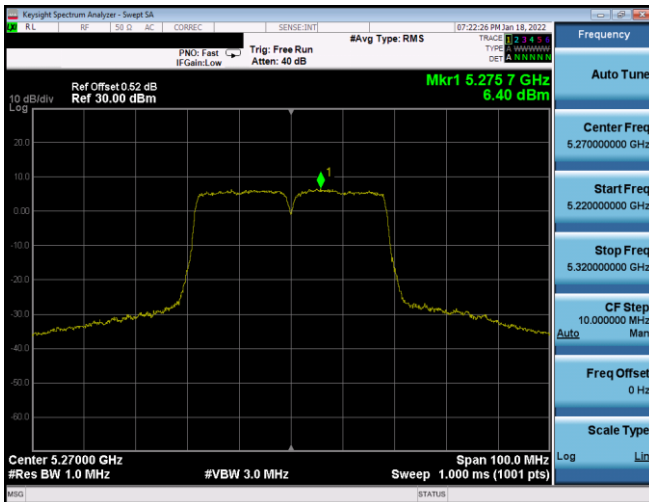
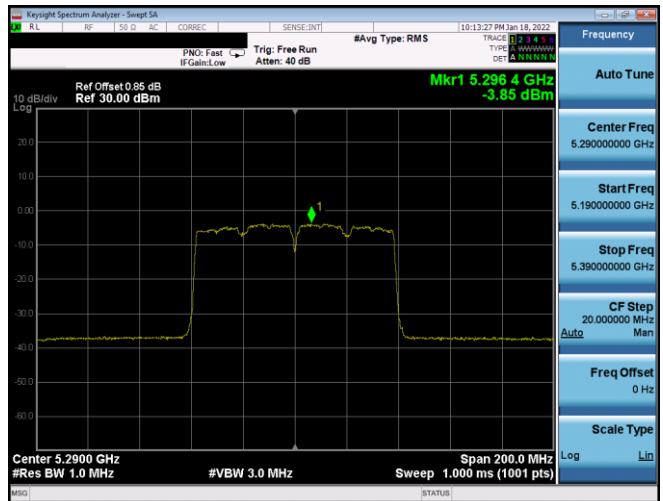
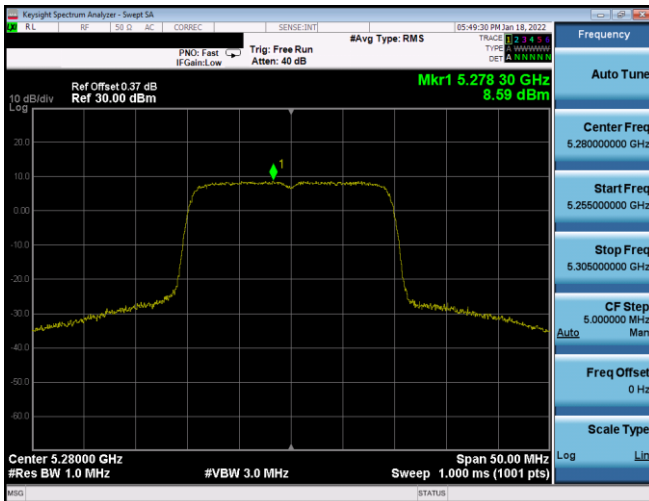
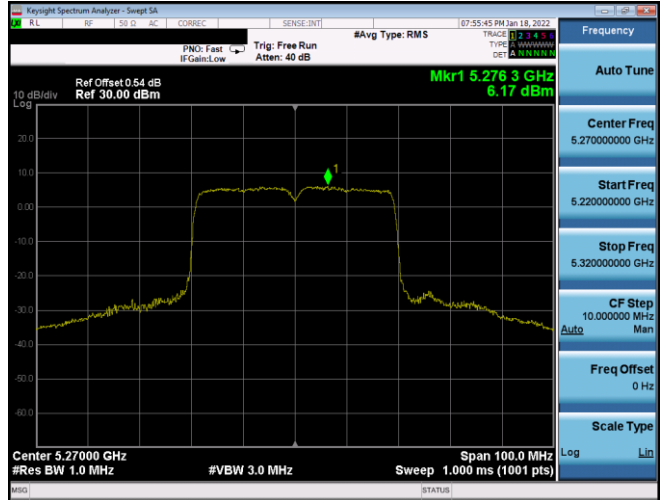
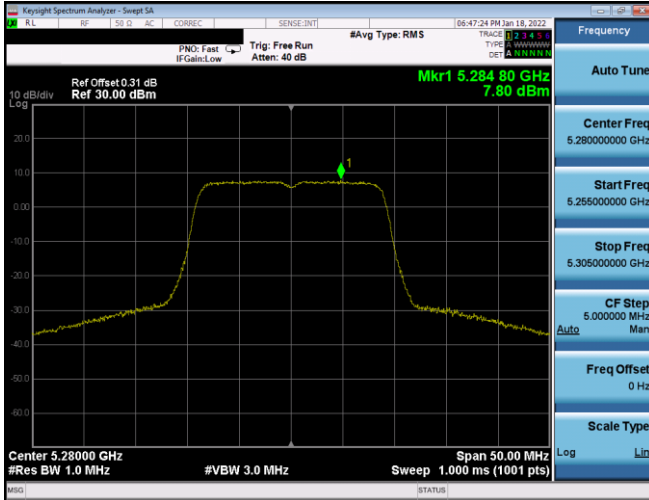


Plot 7-273. PSD Antenna WF7a (40MHz BW 802.11n – Ch. 46, MCS5)

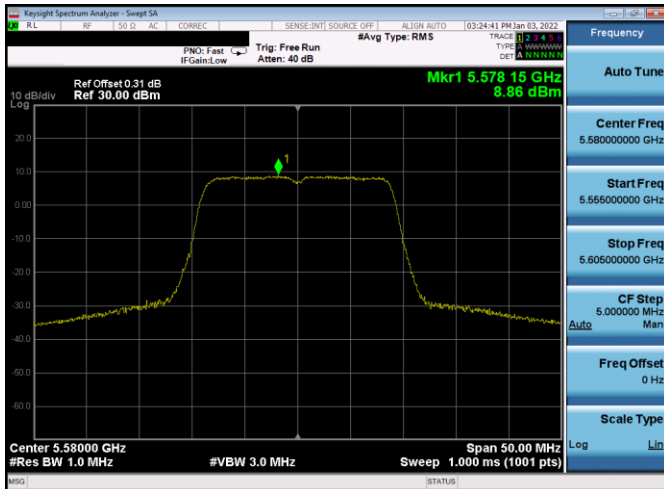


Plot 7-276. PSD Antenna WF7a (80MHz BW 802.11ax(SU) – Ch. 42, MCS5)

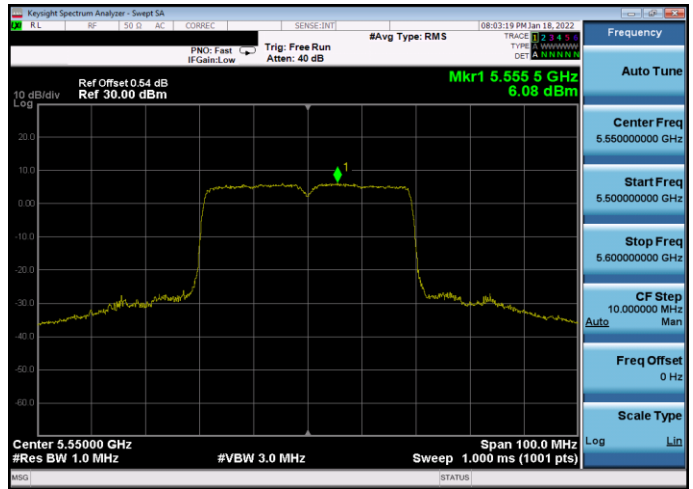
FCC ID: BCGA2588 IC: 579C-A2588	 Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 114 of 352



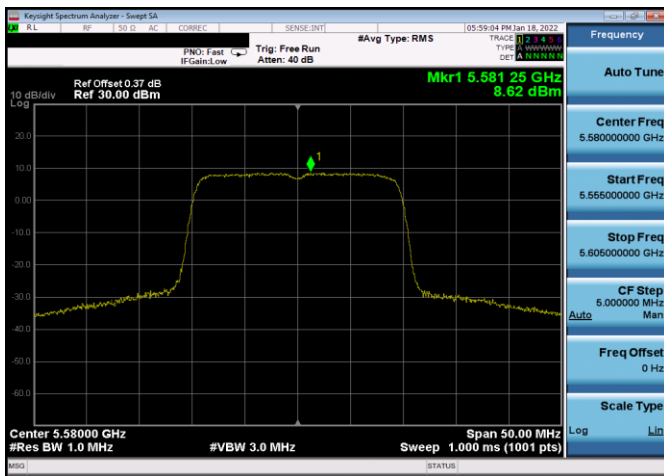
FCC ID: BCGA2588 IC: 579C-A2588		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 115 of 352



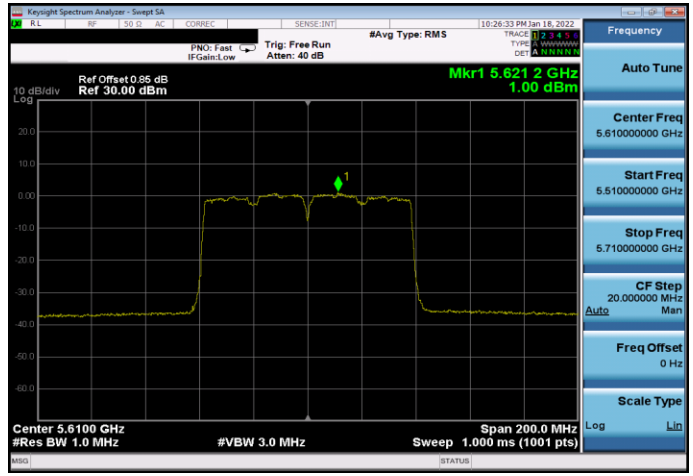
Plot 7-283. PSD Antenna WF7a (20MHz BW 802.11n – Ch. 116, MCS5)



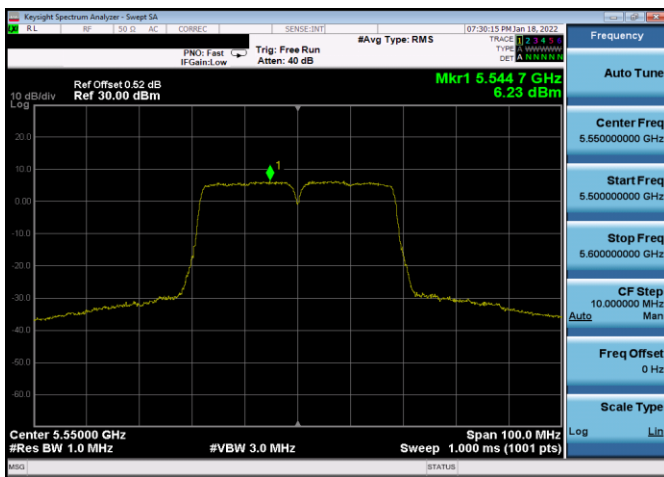
Plot 7-286. PSD Antenna WF7a (40MHz BW 802.11ax(SU) – Ch. 110, MCS5)



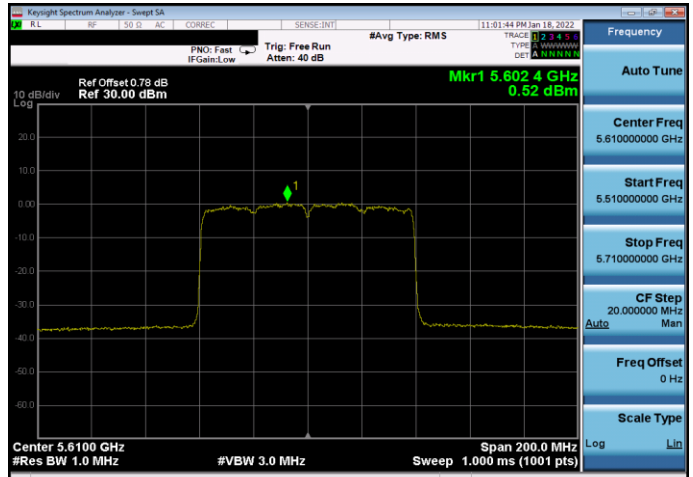
Plot 7-284. PSD Antenna WF7a (20MHz BW 802.11ax(SU) – Ch. 116, MCS5)



Plot 7-287. PSD Antenna WF7a (80MHz BW 802.11ac – Ch. 122, MCS5)



Plot 7-285. PSD Antenna WF7a (40MHz BW 802.11n – Ch. 110, MCS5)



Plot 7-288. PSD Antenna WF7a (80MHz BW 802.11ax(SU) – Ch. 122, MCS11)

FCC ID: BCGA2588 IC: 579C-A2588	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C211150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 116 of 352

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	6.5/7.2 (MCS0)	6.86	30.0	-23.14
	5785	157	n (20MHz)	6.5/7.2 (MCS0)	6.13	30.0	-23.87
	5825	165	n (20MHz)	6.5/7.2 (MCS0)	8.56	30.0	-21.44
	5745	149	ax (SU) (20MHz)	8/8.6 (MCS0)	5.17	30.0	-24.83
	5785	157	ax (SU) (20MHz)	8/8.6 (MCS0)	4.61	30.0	-25.39
	5825	165	ax (SU) (20MHz)	8/8.6 (MCS0)	4.60	30.0	-25.40
	5755	151	n (40MHz)	13.5/15 (MCS0)	4.20	30.0	-25.81
	5795	159	n (40MHz)	13.5/15 (MCS0)	3.59	30.0	-26.41
	5755	151	ax (SU) (40MHz)	16/17.2 (MCS0)	4.36	30.0	-25.64
	5795	159	ax (SU) (40MHz)	16/17.2 (MCS0)	4.16	30.0	-25.84
	5775	155	ac (80MHz)	29.3/32.5 (MCS0)	0.43	30.0	-29.57
	5775	155	ax (SU) (80MHz)	34/36 (MCS0)	-4.00	30.0	-34.00

Table 7-104. Band 3 Power Spectral Density Measurements Antenna WF7a (Low Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	26/28.9 (MCS3)	8.83	30.0	-21.17
	5785	157	n (20MHz)	26/28.9 (MCS3)	8.59	30.0	-21.41
	5825	165	n (20MHz)	26/28.9 (MCS3)	6.69	30.0	-23.31
	5745	149	ax (SU) (20MHz)	33/34.4 (MCS3)	7.29	30.0	-22.71
	5785	157	ax (SU) (20MHz)	33/34.4 (MCS3)	7.21	30.0	-22.79
	5825	165	ax (SU) (20MHz)	33/34.4 (MCS3)	7.29	30.0	-22.72
	5755	151	n (40MHz)	54/60 (MCS3)	5.86	30.0	-24.14
	5795	159	n (40MHz)	54/60 (MCS3)	6.01	30.0	-23.99
	5755	151	ax (SU) (40MHz)	65/68.8 (MCS3)	1.09	30.0	-28.91
	5795	159	ax (SU) (40MHz)	65/68.8 (MCS3)	4.55	30.0	-25.45
	5775	155	ac (80MHz)	117/130 (MCS3)	-1.95	30.0	-31.95
	5775	155	ax (SU) (80MHz)	136/144.1 (MCS3)	-1.71	30.0	-31.71

Table 7-105. Band 3 Power Spectral Density Measurements Antenna WF7a (Mid Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	52/57.8 (MCS5)	7.18	30.0	-22.82
	5785	157	n (20MHz)	52/57.8 (MCS5)	7.50	30.0	-22.50
	5825	165	n (20MHz)	52/57.8 (MCS5)	7.46	30.0	-22.54
	5745	149	ax (SU) (20MHz)	65/68.8 (MCS5)	6.88	30.0	-23.12
	5785	157	ax (SU) (20MHz)	65/68.8 (MCS5)	7.32	30.0	-22.69
	5825	165	ax (SU) (20MHz)	65/68.8 (MCS5)	7.63	30.0	-22.37
	5755	151	n (40MHz)	108/120 (MCS5)	4.77	30.0	-25.23
	5795	159	n (40MHz)	108/120 (MCS5)	4.91	30.0	-25.09
	5755	151	ax (SU) (40MHz)	130/137.6 (MCS5)	3.80	30.0	-26.20
	5795	159	ax (SU) (40MHz)	130/137.6 (MCS5)	4.54	30.0	-25.46
	5775	155	ac (80MHz)	234/260 (MCS5)	-1.41	30.0	-31.41
	5775	155	ax (SU) (80MHz)	272/288.2 (MCS5)	-2.45	30.0	-32.45

Table 7-106. Band 3 Power Spectral Density Measurements Antenna WF7a (High Data Rate)

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-07.BCG	Test Dates: 12/02/2021- 02/06/2022	EUT Type: Tablet Device	Page 117 of 352