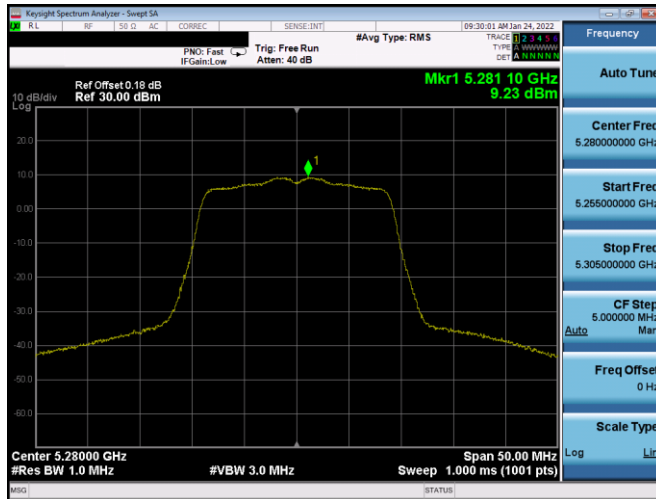
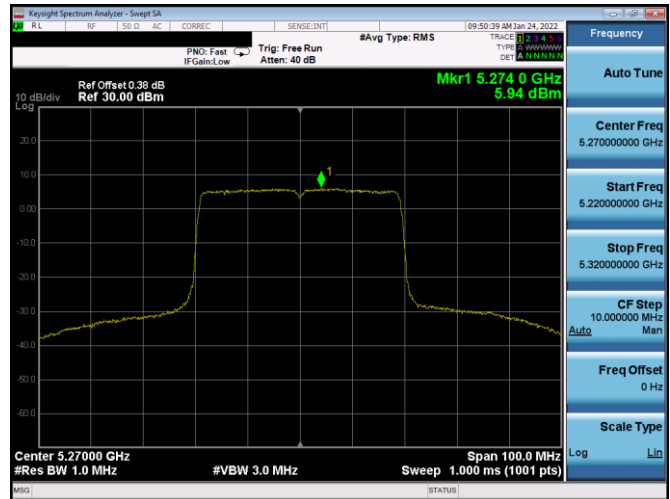
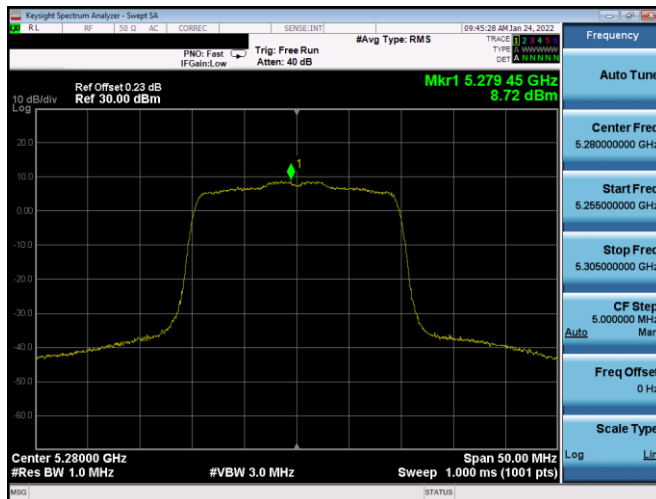




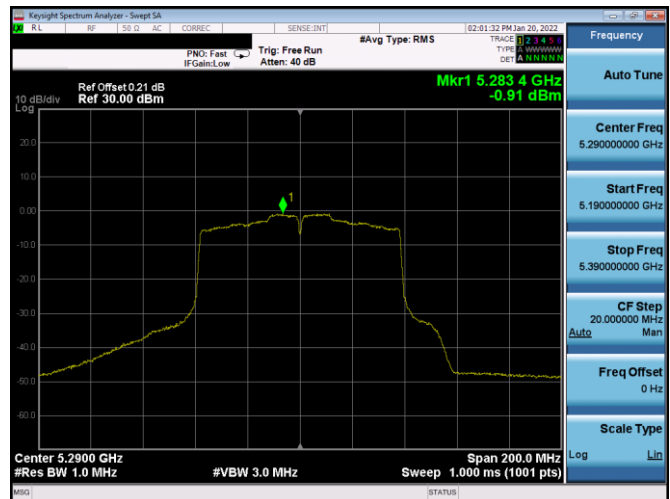
Plot 7-241. PSD Antenna 2B (20MHz BW 802.11n – Ch. 56, MCS3)



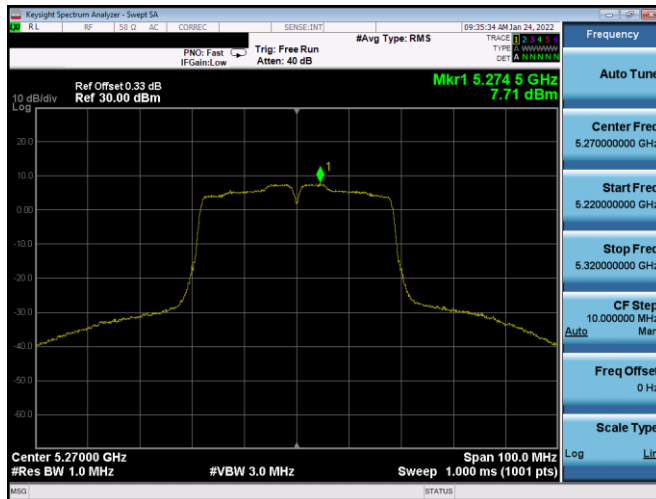
Plot 7-244. PSD Antenna 2B (40MHz BW 802.11ax(SU) – Ch. 54, MCS3)



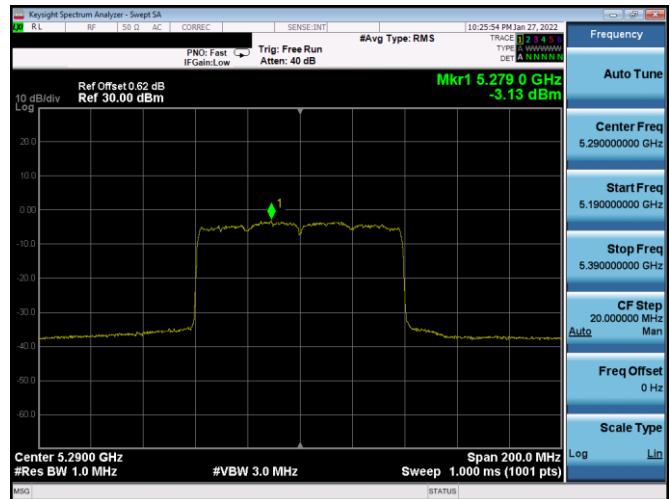
Plot 7-242. PSD Antenna 2B (20MHz BW 802.11ax(SU) – Ch. 56, MCS3)



Plot 7-245. PSD Antenna 2B (80MHz BW 802.11ac – Ch. 58, MCS3)

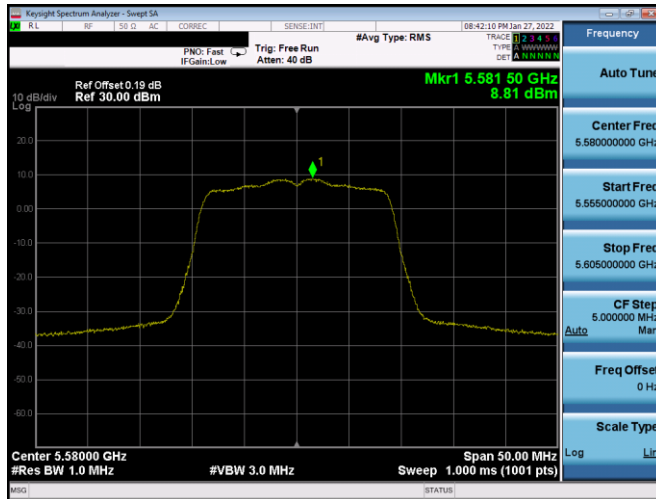


Plot 7-243. PSD Antenna 2B (40MHz BW 802.11n – Ch. 54, MCS3)

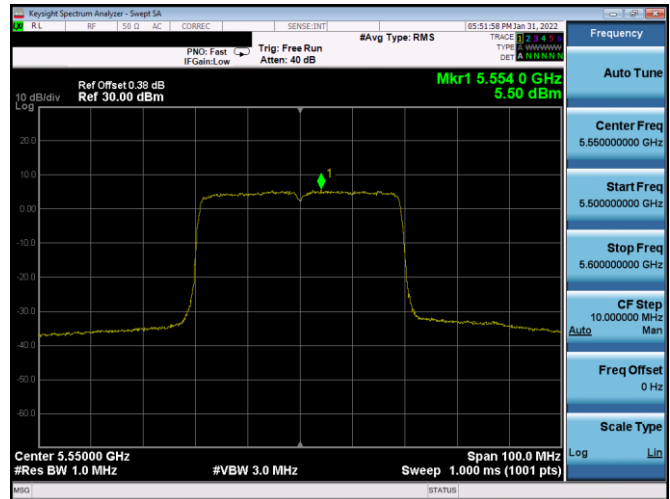


Plot 7-246. PSD Antenna 2B (80MHz BW 802.11ax(SU) – Ch. 58, MCS3)

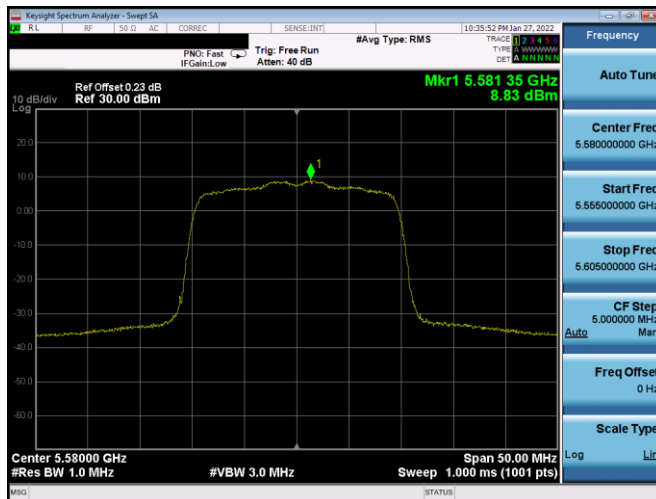
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 132 of 564



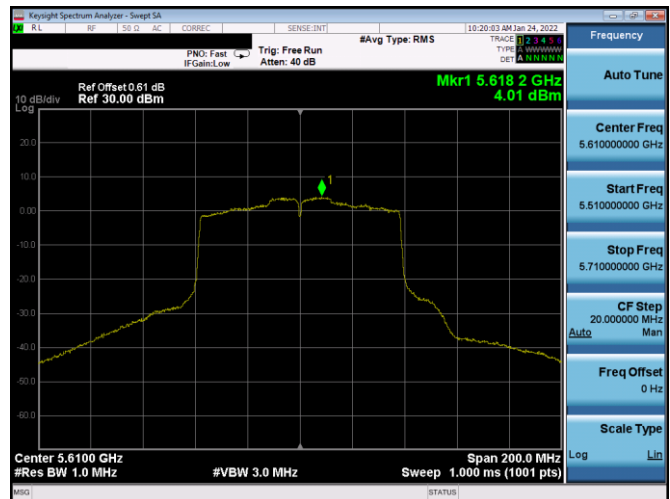
Plot 7-247. PSD Antenna 2B (20MHz BW 802.11n – Ch. 116, MCS3)



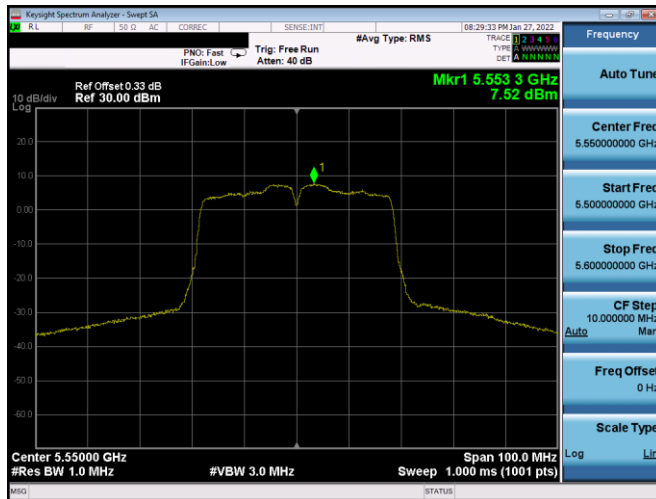
Plot 7-250. PSD Antenna 2B (40MHz BW 802.11ax(SU) – Ch. 110, MCS3)



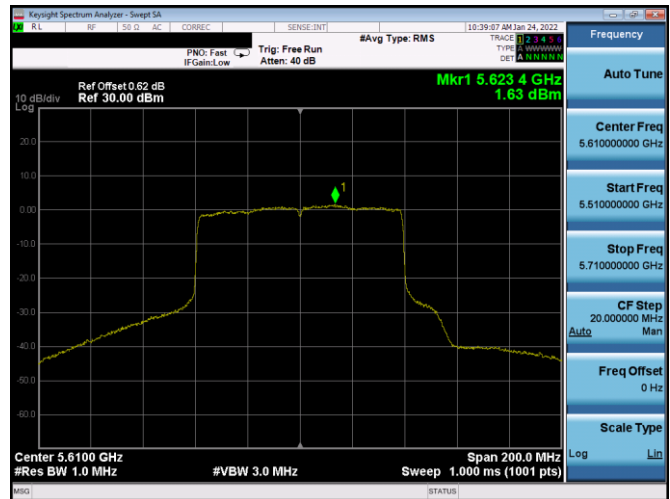
Plot 7-248. PSD Antenna 2B (20MHz BW 802.11ax(SU) – Ch. 116, MCS3)



Plot 7-251. PSD Antenna 2B (80MHz BW 802.11ac – Ch. 122, MCS3)



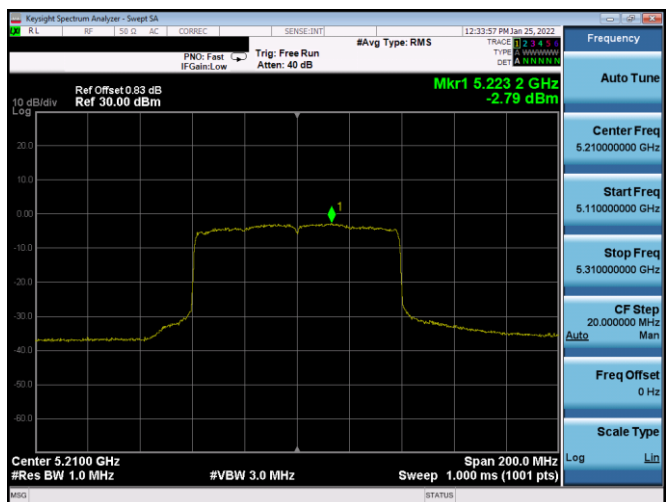
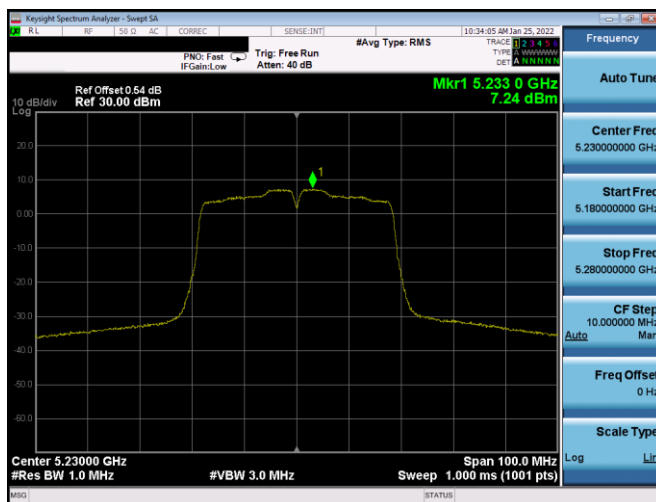
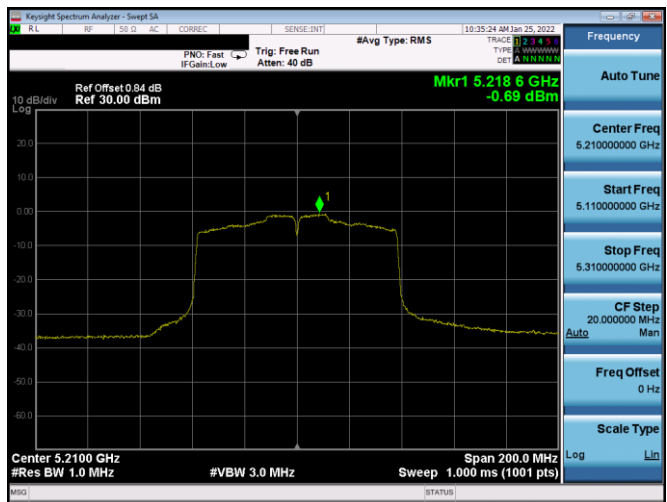
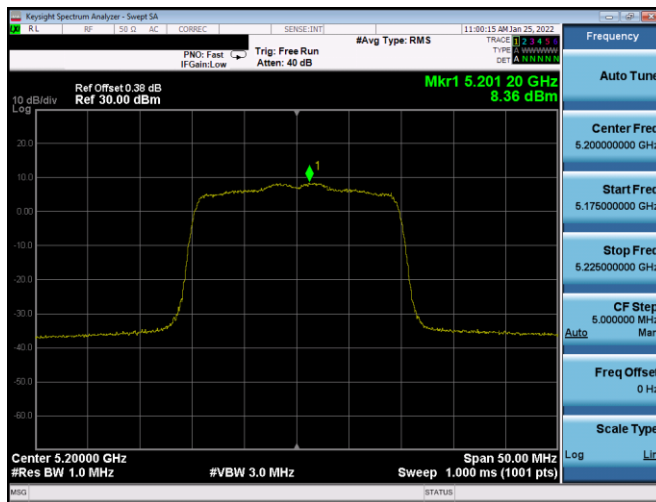
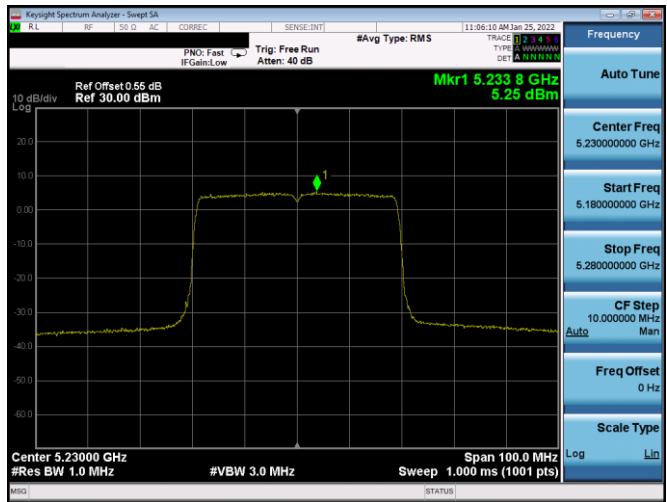
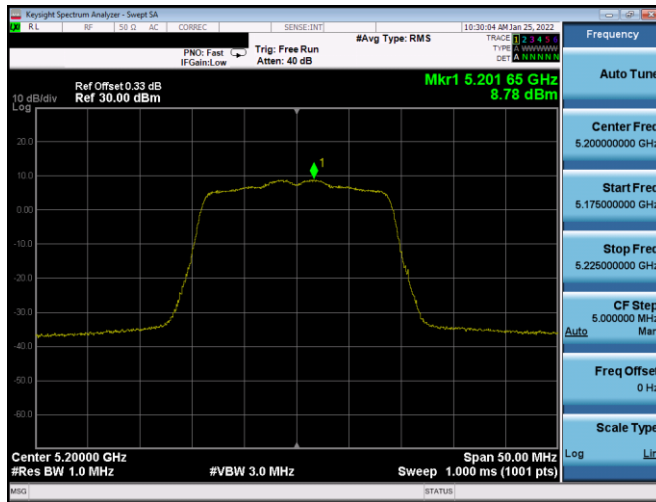
Plot 7-249. PSD Antenna 2B (40MHz BW 802.11n – Ch. 110, MCS3)



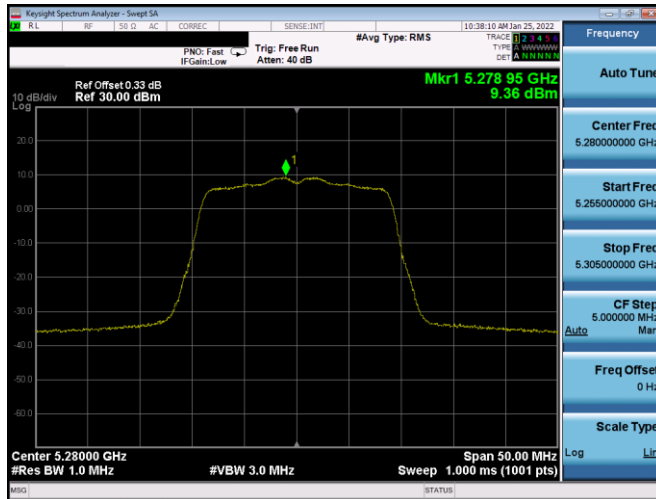
Plot 7-252. PSD Antenna 2B (80MHz BW 802.11ax(SU) – Ch. 122, MCS3)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 133 of 564

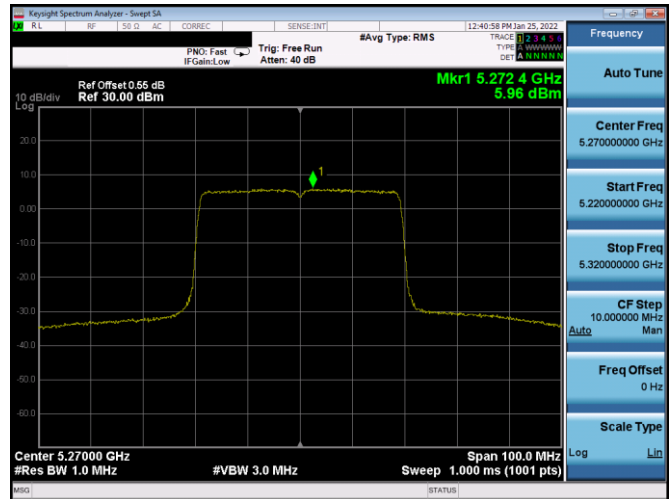
High Data Rate



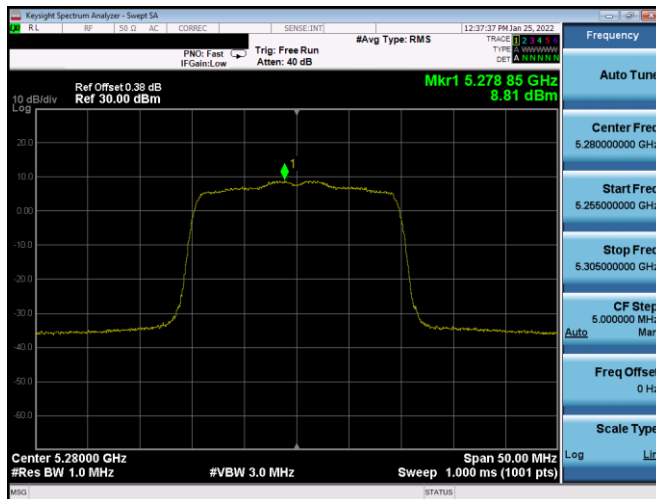
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 134 of 564



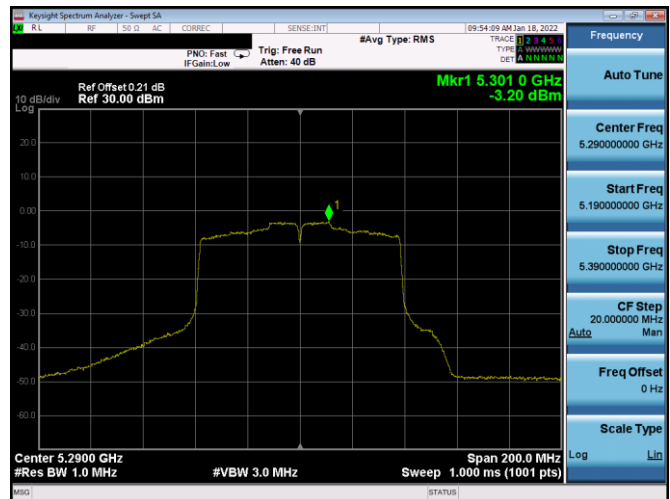
Plot 7-259. PSD Antenna 2B (20MHz BW 802.11n – Ch. 56, MCS5)



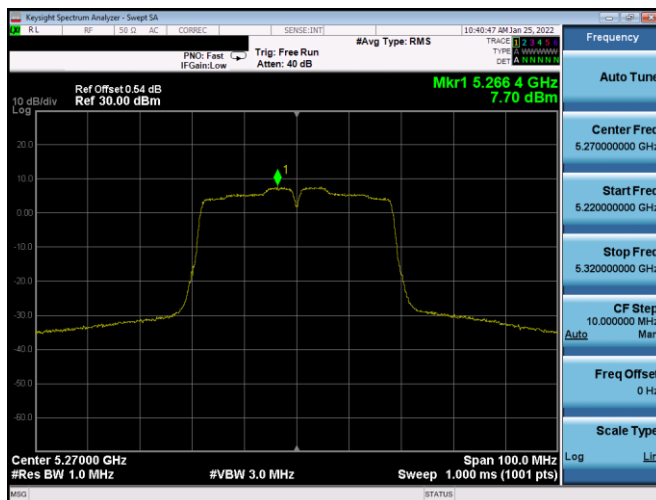
Plot 7-262. PSD Antenna 2B (40MHz BW 802.11ax(SU) – Ch. 54, MCS5)



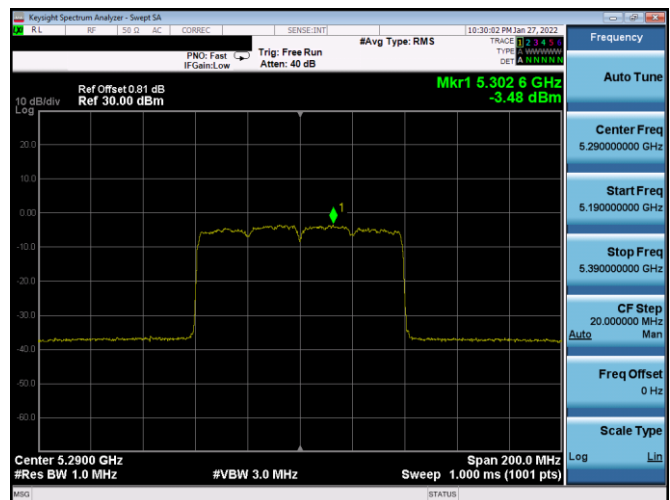
Plot 7-260. PSD Antenna 2B (20MHz BW 802.11ax(SU) – Ch. 56, MCS5)



Plot 7-263. PSD Antenna 2B (80MHz BW 802.11ac – Ch. 58, MCS5)

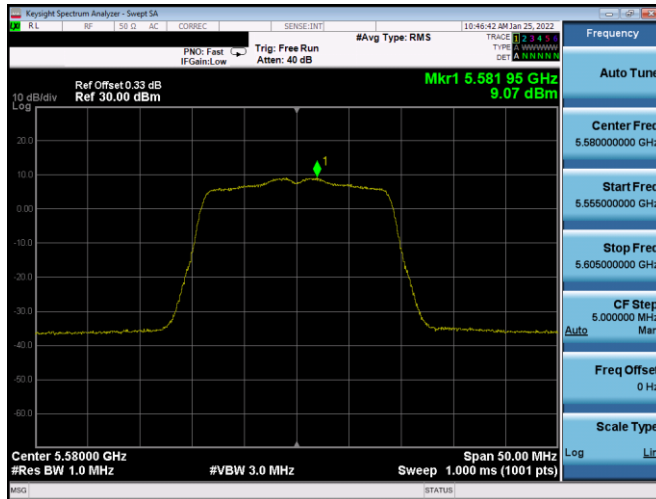


Plot 7-261. PSD Antenna 2B (40MHz BW 802.11n – Ch. 54, MCS5)

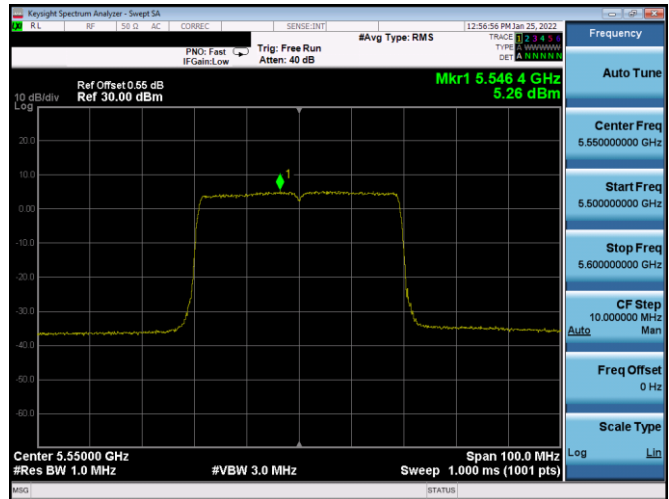


Plot 7-264. PSD Antenna 2B (80MHz BW 802.11ax(SU) – Ch. 58, MCS5)

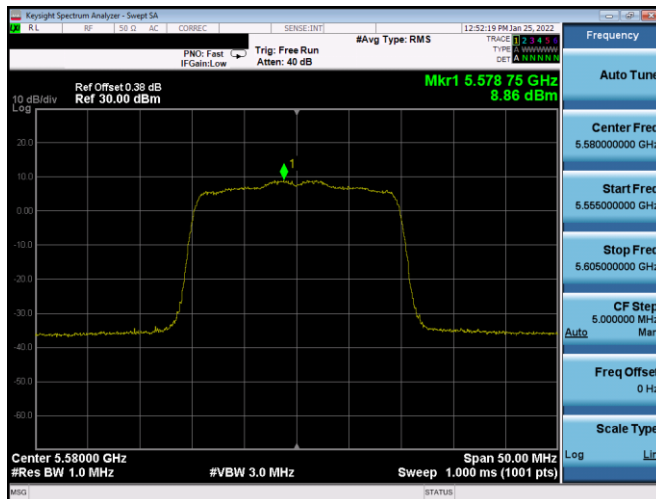
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 135 of 564



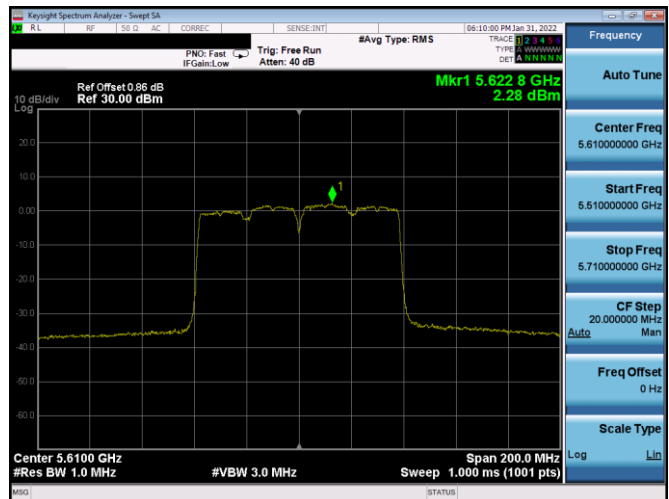
Plot 7-265. PSD Antenna 2B (20MHz BW 802.11n – Ch. 116, MCS5)



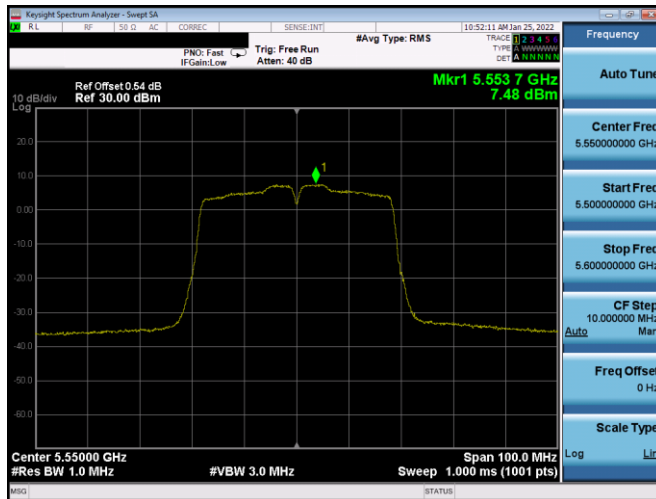
Plot 7-268. PSD Antenna 2B (40MHz BW 802.11ax(SU) – Ch. 110, MCS5)



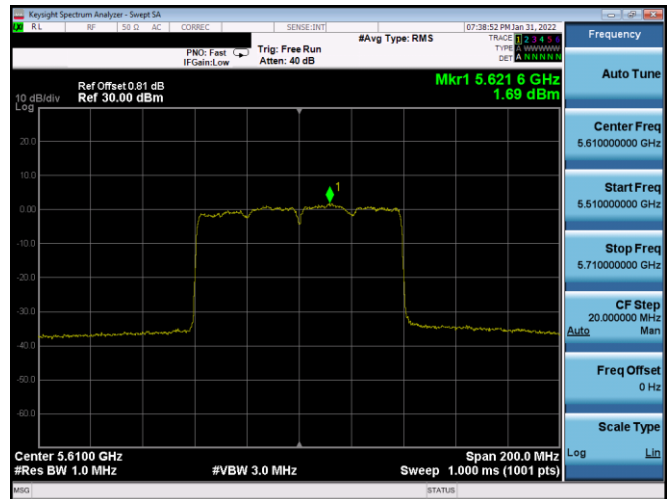
Plot 7-266. PSD Antenna 2B (20MHz BW 802.11ax(SU) – Ch. 116, MCS5)



Plot 7-269. PSD Antenna 2B (80MHz BW 802.11ac – Ch. 122, MCS5)



Plot 7-267. PSD Antenna 2B (40MHz BW 802.11n – Ch. 110, MCS5)



Plot 7-270. PSD Antenna 2B (80MHz BW 802.11ax(SU) – Ch. 122, MCS5)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 136 of 564

	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)	7.85	30.0	-22.16
	5785	157	n (20MHz)	6.5/7.2 (MCS0)	7.66	30.0	-22.35
	5825	165	n (20MHz)	6.5/7.2 (MCS0)	7.03	30.0	-22.98
	5745	149	ax (SU) (20MHz)	8/8.6 (MCS0)	6.88	30.0	-23.12
	5785	157	ax (SU) (20MHz)	8/8.6 (MCS0)	6.84	30.0	-23.16
	5825	165	ax (SU) (20MHz)	8/8.6 (MCS0)	6.83	30.0	-23.18
	5755	151	n (40MHz)	13.5/15 (MCS0)	5.10	30.0	-24.90
	5795	159	n (40MHz)	13.5/15 (MCS0)	4.45	30.0	-25.55
	5755	151	ax (SU) (40MHz)	16/17.2 (MCS0)	3.10	30.0	-26.90
	5795	159	ax (SU) (40MHz)	16/17.2 (MCS0)	2.76	30.0	-27.24
	5775	155	ac (80MHz)	29.3/32.5 (MCS0)	1.98	30.0	-28.02
	5775	155	ax (SU) (80MHz)	34/36 (MCS0)	-1.06	30.0	-31.06

Table 7-161. Band 3 Power Spectral Density Measurements Antenna 2B (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)	8.34	30.0	-21.66
	5785	157	n (20MHz)	26/28.9 (MCS3)	7.68	30.0	-22.32
	5825	165	n (20MHz)	26/28.9 (MCS3)	7.69	30.0	-22.31
	5745	149	ax (SU) (20MHz)	33/34.4 (MCS3)	7.14	30.0	-22.86
	5785	157	ax (SU) (20MHz)	33/34.4 (MCS3)	7.07	30.0	-22.93
	5825	165	ax (SU) (20MHz)	33/34.4 (MCS3)	5.03	30.0	-24.97
	5755	151	n (40MHz)	54/60 (MCS3)	5.59	30.0	-24.41
	5795	159	n (40MHz)	54/60 (MCS3)	4.93	30.0	-25.07
	5755	151	ax (SU) (40MHz)	65/68.8 (MCS3)	3.16	30.0	-26.84
	5795	159	ax (SU) (40MHz)	65/68.8 (MCS3)	3.16	30.0	-26.85
	5775	155	ac (80MHz)	117/130 (MCS3)	0.96	30.0	-29.04
	5775	155	ax (SU) (80MHz)	136/144.1 (MCS3)	-1.06	30.0	-31.06

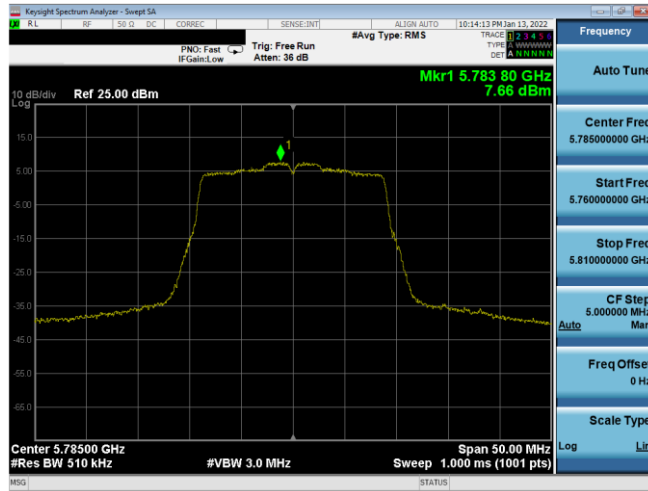
Table 7-162. Band 3 Power Spectral Density Measurements Antenna 2B (Mid Data Rate)

	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)	7.53	30.0	-22.48
	5785	157	n (20MHz)	52/57.8 (MCS5)	7.56	30.0	-22.44
	5825	165	n (20MHz)	52/57.8 (MCS5)	7.39	30.0	-22.61
	5745	149	ax (SU) (20MHz)	65/68.8 (MCS5)	7.23	30.0	-22.77
	5785	157	ax (SU) (20MHz)	65/68.8 (MCS5)	6.88	30.0	-23.12
	5825	165	ax (SU) (20MHz)	65/68.8 (MCS5)	7.28	30.0	-22.72
	5755	151	n (40MHz)	108/120 (MCS5)	4.63	30.0	-25.37
	5795	159	n (40MHz)	108/120 (MCS5)	4.61	30.0	-25.40
	5755	151	ax (SU) (40MHz)	130/137.6 (MCS5)	3.53	30.0	-26.47
	5795	159	ax (SU) (40MHz)	130/137.6 (MCS5)	3.50	30.0	-26.50
	5775	155	ac (80MHz)	234/260 (MCS5)	-0.77	30.0	-30.77
	5775	155	ax (SU) (80MHz)	272/288.2 (MCS5)	-1.17	30.0	-31.17

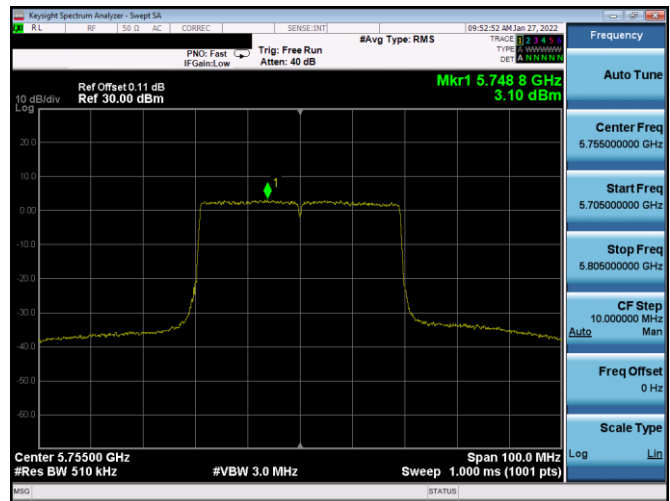
Table 7-163. Band 3 Power Spectral Density Measurements Antenna 2B (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 137 of 564

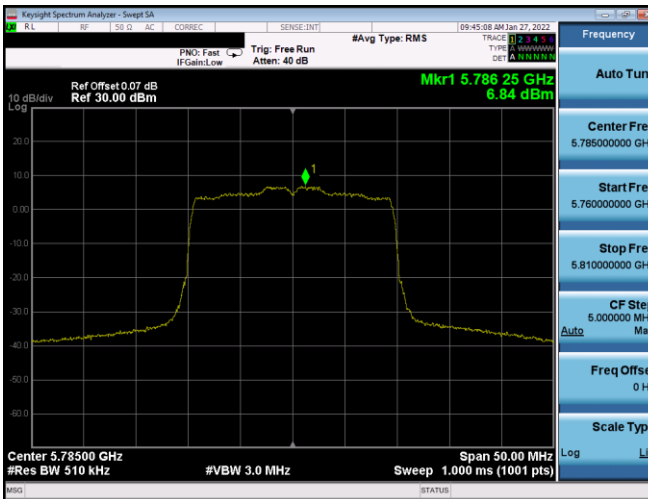
Low Data Rate



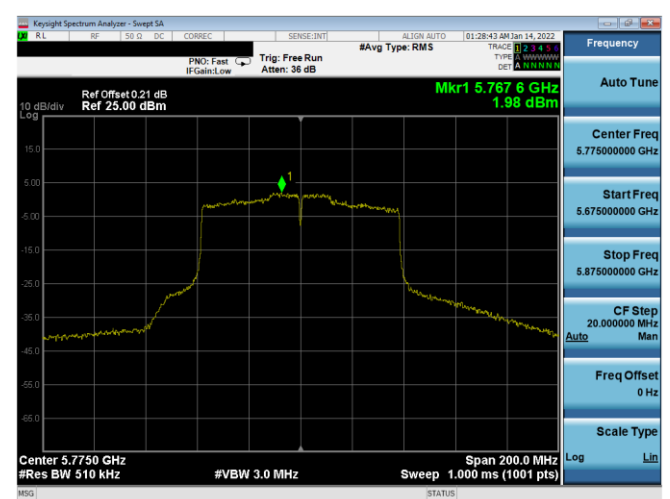
Plot 7-271. PSD Antenna 2B (20MHz BW 802.11n – Ch. 157, MCS0)



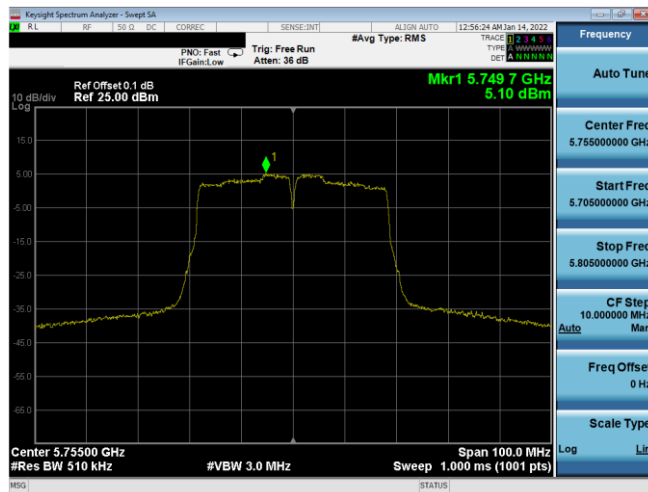
Plot 7-274. PSD Antenna 2B (40MHz BW 802.11ax(SU) – Ch. 151, MCS0)



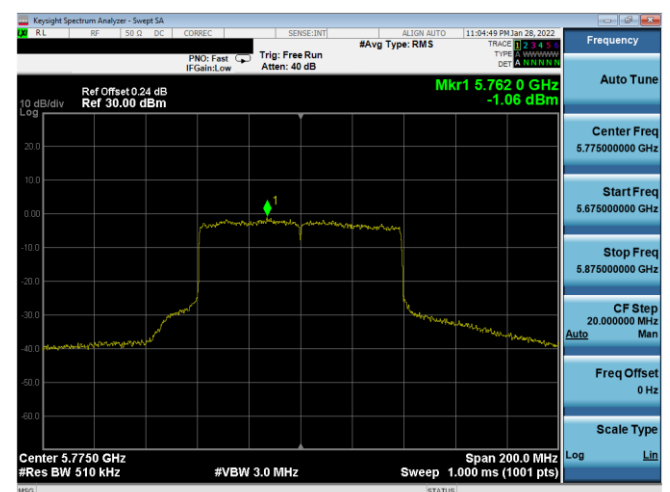
Plot 7-272. PSD Antenna 2B (20MHz BW 802.11ax(SU) – Ch. 157, MCS0)



Plot 7-275. PSD Antenna 2B (80MHz BW 802.11ac – Ch. 155, MCS0)



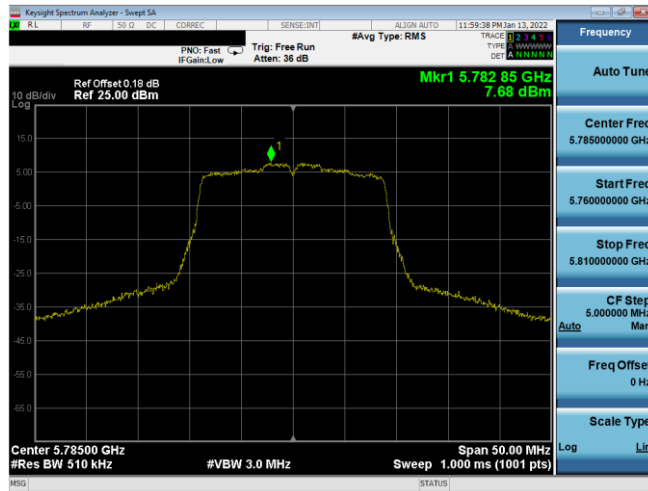
Plot 7-273. PSD Antenna 2B (40MHz BW 802.11n – Ch. 151, MCS0)



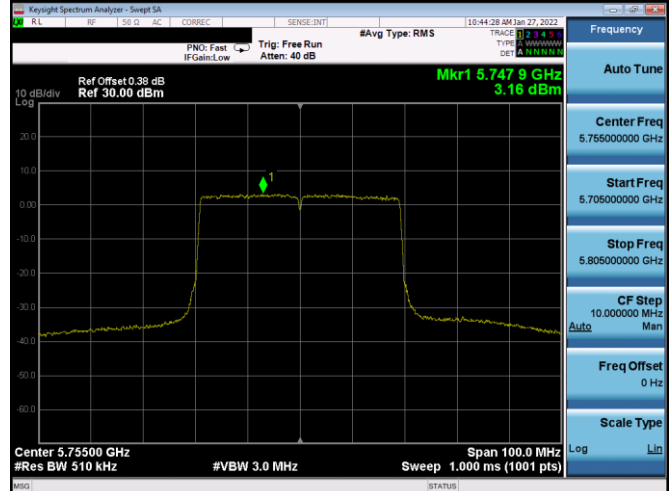
Plot 7-276. PSD Antenna 2B (80MHz BW 802.11ax(SU) – Ch. 155, MCS0)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 138 of 564

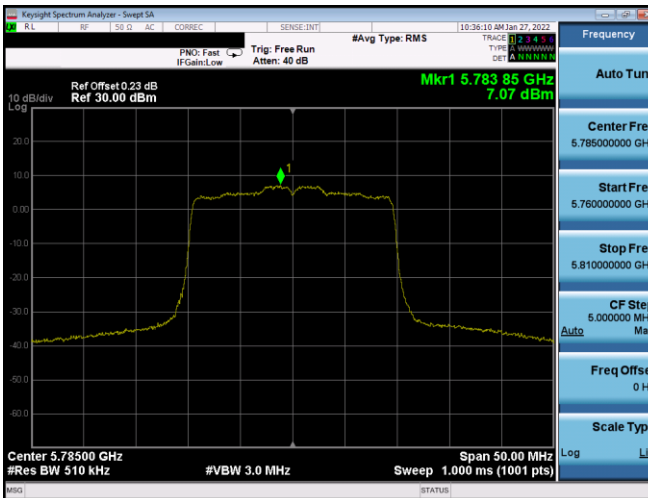
Mid Data Rate



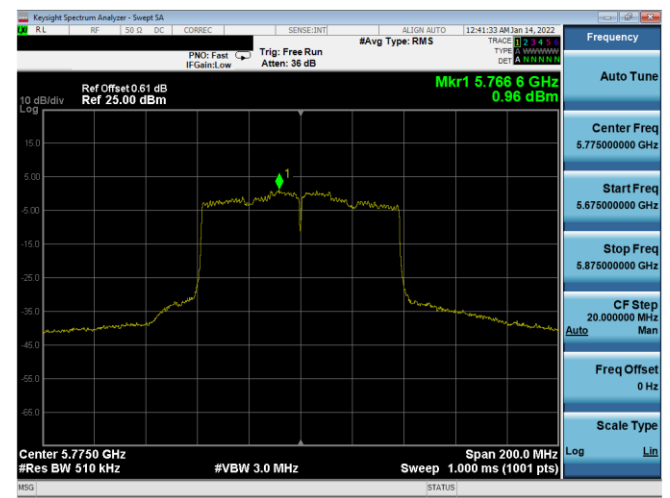
Plot 7-277. PSD Antenna 2B (20MHz BW 802.11n - Ch. 157, MCS3)



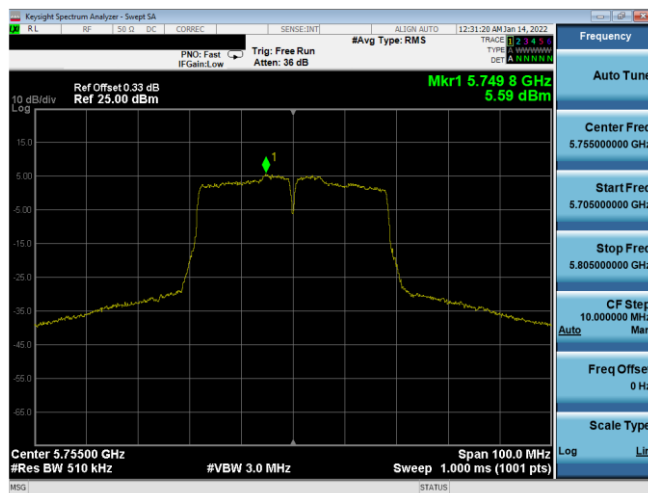
Plot 7-280. PSD Antenna 2B (40MHz BW 802.11ax(SU) - Ch. 151, MCS3)



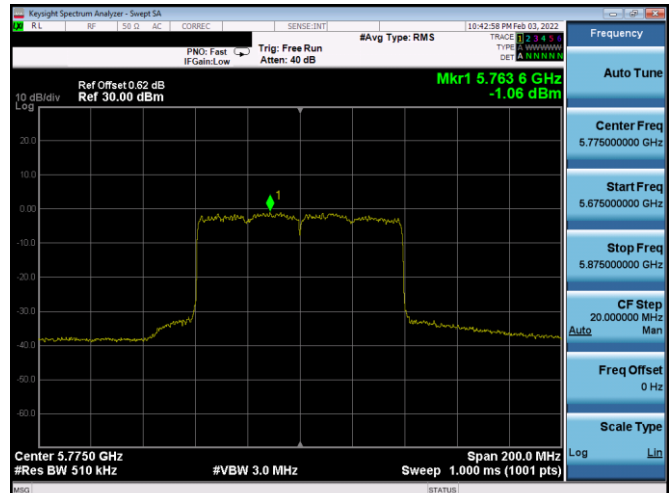
Plot 7-278. PSD Antenna 2B (20MHz BW 802.11ax(SU) - Ch. 157, MCS3)



Plot 7-281. PSD Antenna 2B (80MHz BW 802.11ac - Ch. 155, MCS3)



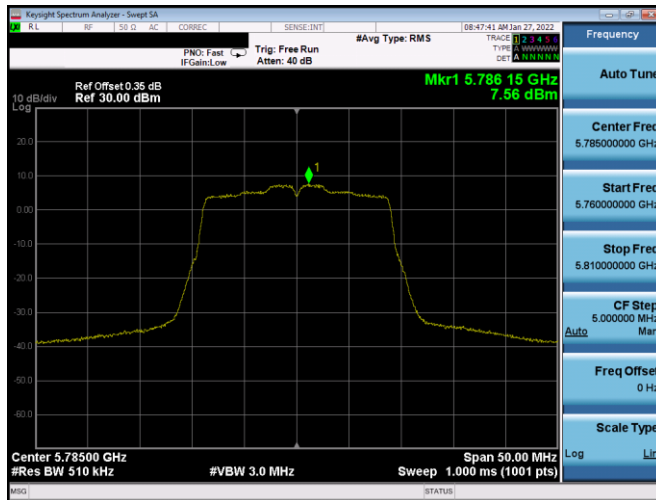
Plot 7-279. PSD Antenna 2B (40MHz BW 802.11n - Ch. 151, MCS3)



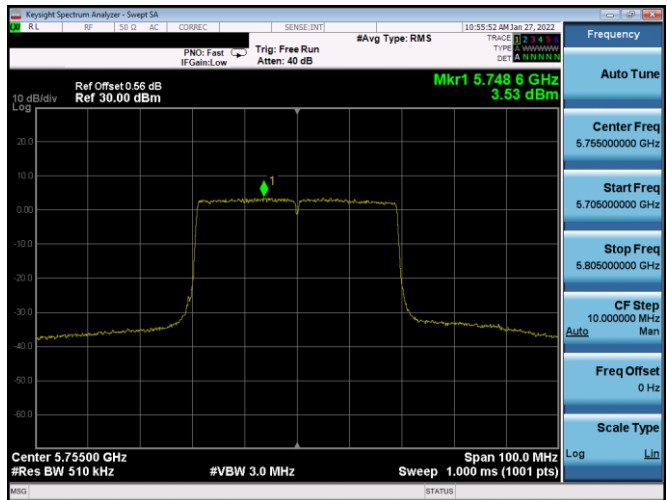
Plot 7-282. PSD Antenna 2B (80MHz BW 802.11ax(SU) - Ch. 155, MCS3)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 139 of 564

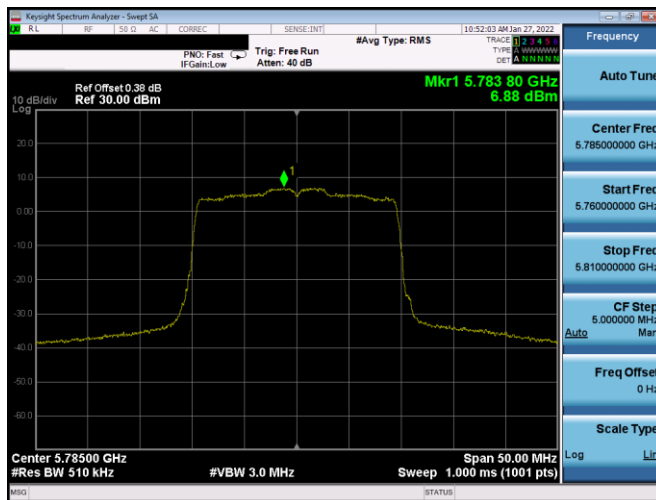
High Data Rate



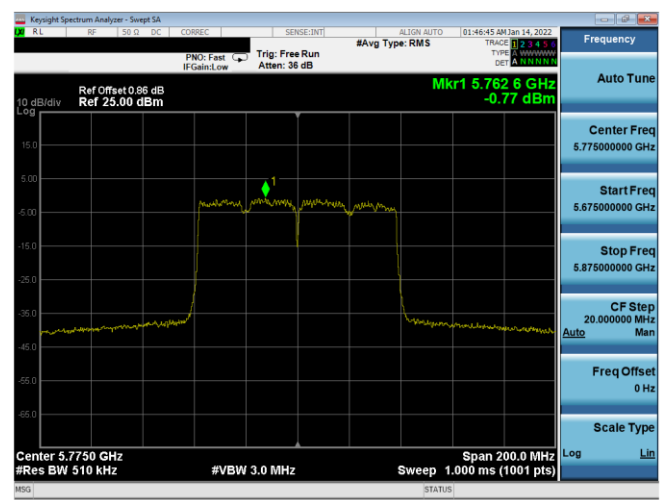
Plot 7-283. PSD Antenna 2B (20MHz BW 802.11n – Ch. 157, MCS5)



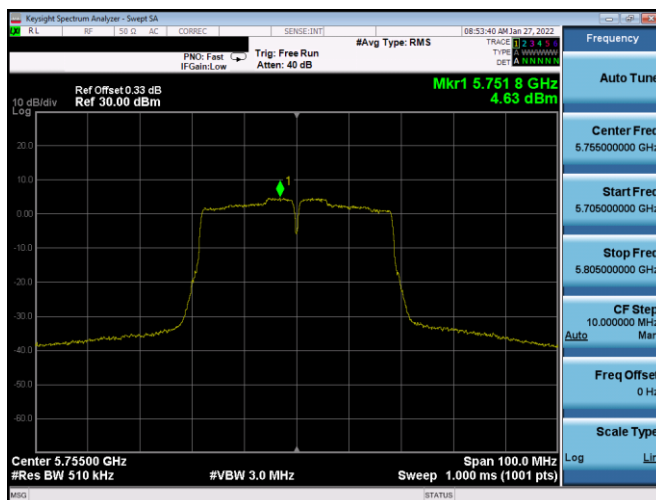
Plot 7-286. PSD Antenna 2B (40MHz BW 802.11ax(SU) – Ch. 151, MCS5)



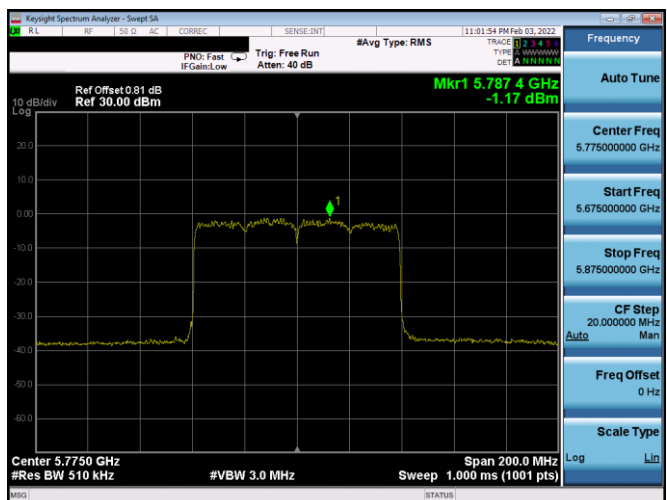
Plot 7-284. PSD Antenna 2B (20MHz BW 802.11ax(SU) – Ch. 157, MCS5)



Plot 7-287. PSD Antenna 2B (80MHz BW 802.11ac – Ch. 155, MCS5)



Plot 7-285. PSD Antenna 2B (40MHz BW 802.11n – Ch. 151, MCS5)



Plot 7-288. PSD Antenna 2B (80MHz BW 802.11ax(SU) – Ch. 155, MCS5)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 140 of 564

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	6.5/7.2 (MCS0)	2.95	-1.10	1.85	10.0	-8.15
	5200	40	n (20MHz)	6.5/7.2 (MCS0)	3.80	-1.10	2.70	10.0	-7.30
	5240	48	n (20MHz)	6.5/7.2 (MCS0)	4.00	-1.10	2.90	10.0	-7.10
	5180	36	ax (SU) (20MHz)	8/8.6 (MCS0)	2.50	-1.10	1.40	10.0	-8.60
	5200	40	ax (SU) (20MHz)	8/8.6 (MCS0)	3.39	-1.10	2.29	10.0	-7.71
	5240	48	ax (SU) (20MHz)	8/8.6 (MCS0)	3.60	-1.10	2.50	10.0	-7.50
	5190	38	n (40MHz)	13.5/15 (MCS0)	1.78	-1.10	0.68	10.0	-9.32
	5230	46	n (40MHz)	13.5/15 (MCS0)	5.60	-1.10	4.50	10.0	-5.50
	5190	38	ax (SU) (40MHz)	16/17.2 (MCS0)	-0.55	-1.10	-1.65	10.0	-11.65
	5230	46	ax (SU) (40MHz)	16/17.2 (MCS0)	3.67	-1.10	2.57	10.0	-7.43
	5210	42	ac (80MHz)	29.3/32.5 (MCS0)	-0.99	-1.10	-2.09	10.0	-12.09
	5210	42	ax (SU) (80MHz)	34/36 (MCS0)	-4.07	-1.10	-5.17	10.0	-15.17

Table 7-164. ISD Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 2B (Low Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	26/28.9 (MCS3)	3.32	-1.10	2.22	10.0	-7.78
	5200	40	n (20MHz)	26/28.9 (MCS3)	4.24	-1.10	3.14	10.0	-6.86
	5240	48	n (20MHz)	26/28.9 (MCS3)	4.48	-1.10	3.38	10.0	-6.62
	5180	36	ax (SU) (20MHz)	33/34.4 (MCS3)	3.09	-1.10	1.99	10.0	-8.01
	5200	40	ax (SU) (20MHz)	33/34.4 (MCS3)	4.02	-1.10	2.92	10.0	-7.08
	5240	48	ax (SU) (20MHz)	33/34.4 (MCS3)	4.43	-1.10	3.33	10.0	-6.67
	5190	38	n (40MHz)	54/60 (MCS3)	1.44	-1.10	0.34	10.0	-9.66
	5230	46	n (40MHz)	54/60 (MCS3)	6.11	-1.10	5.01	10.0	-4.99
	5190	38	ax (SU) (40MHz)	65/68.8 (MCS3)	-0.72	-1.10	-1.82	10.0	-11.82
	5230	46	ax (SU) (40MHz)	65/68.8 (MCS3)	4.21	-1.10	3.11	10.0	-6.89
	5210	42	ac (80MHz)	117/130 (MCS3)	-1.68	-1.10	-2.78	10.0	-12.78
	5210	42	ax (SU) (80MHz)	136/144.1 (MCS3)	-4.13	-1.10	-5.23	10.0	-15.23

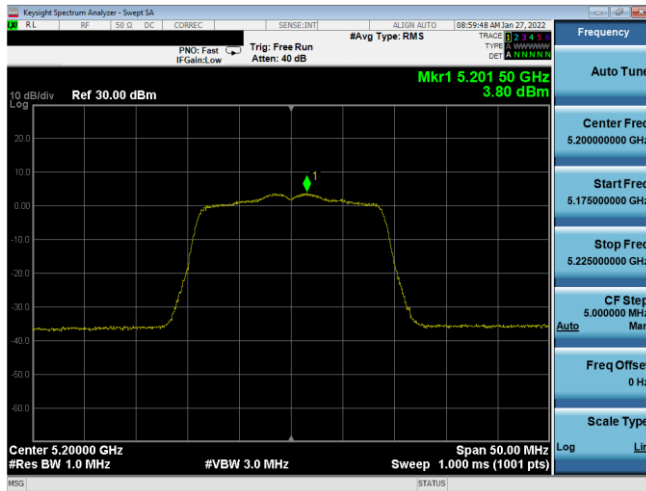
Table 7-165. ISD Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 2B (Mid Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	52/57.8 (MCS5)	3.83	-1.10	2.73	10.0	-7.27
	5200	40	n (20MHz)	52/57.8 (MCS5)	4.44	-1.10	3.34	10.0	-6.66
	5240	48	n (20MHz)	52/57.8 (MCS5)	4.60	-1.10	3.50	10.0	-6.50
	5180	36	ax (SU) (20MHz)	65/68.8 (MCS5)	3.52	-1.10	2.42	10.0	-7.58
	5200	40	ax (SU) (20MHz)	65/68.8 (MCS5)	4.05	-1.10	2.95	10.0	-7.05
	5240	48	ax (SU) (20MHz)	65/68.8 (MCS5)	4.32	-1.10	3.22	10.0	-6.78
	5190	38	n (40MHz)	108/120 (MCS5)	0.45	-1.10	-0.65	10.0	-10.65
	5230	46	n (40MHz)	108/120 (MCS5)	6.24	-1.10	5.14	10.0	-4.86
	5190	38	ax (SU) (40MHz)	130/137.6 (MCS5)	-1.61	-1.10	-2.71	10.0	-12.71
	5230	46	ax (SU) (40MHz)	130/137.6 (MCS5)	4.15	-1.10	3.05	10.0	-6.95
	5210	42	ac (80MHz)	234/260 (MCS5)	-1.95	-1.10	-3.05	10.0	-13.05
	5210	42	ax (SU) (80MHz)	272/288.2 (MCS5)	-4.17	-1.10	-5.27	10.0	-15.27

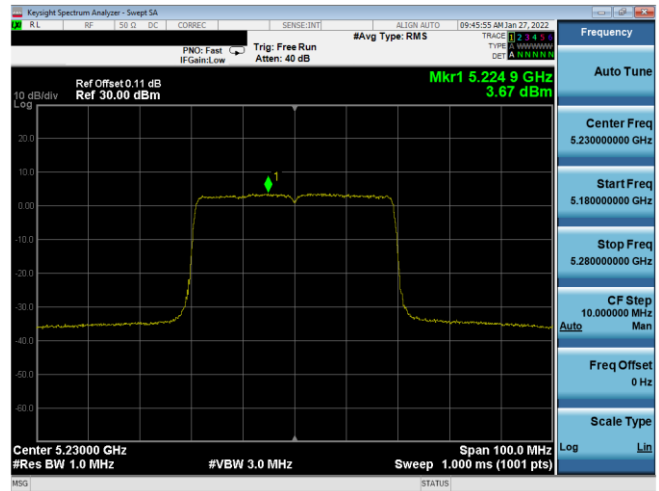
Table 7-166. ISD Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 2B (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 141 of 564

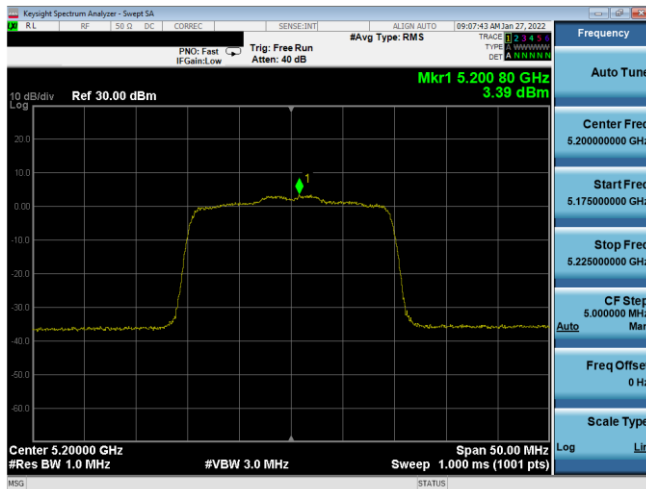
Low Data Rate



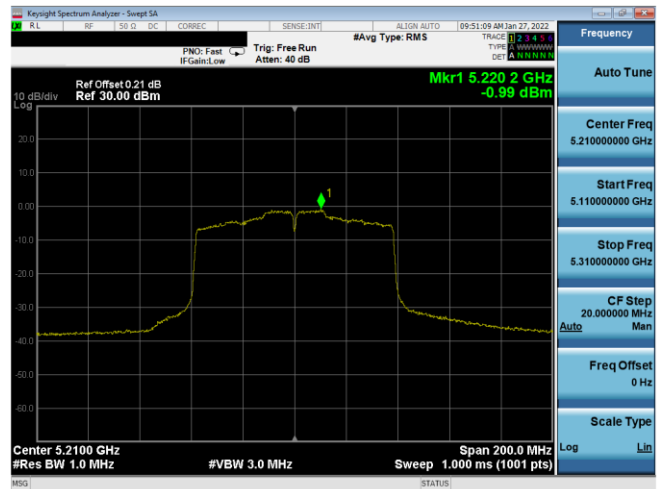
Plot 7-289. ISSED PSD Antenna 2B (20MHz BW 11n – Ch.40, MCS0)



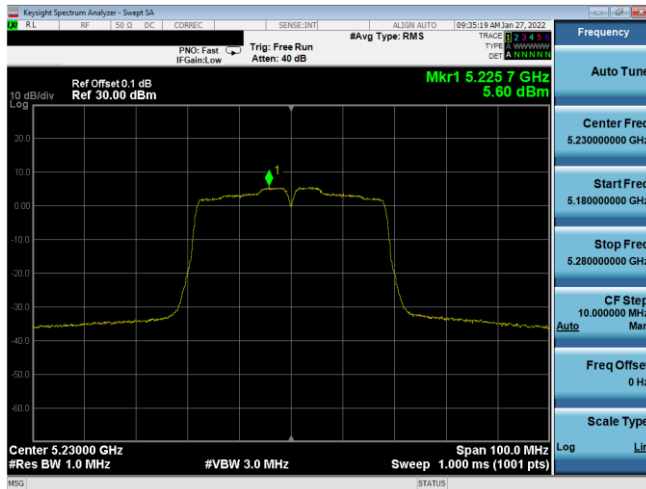
Plot 7-292. ISSED PSD Antenna 2B (40MHz BW 11ax(SU) – Ch.46, MCS0)



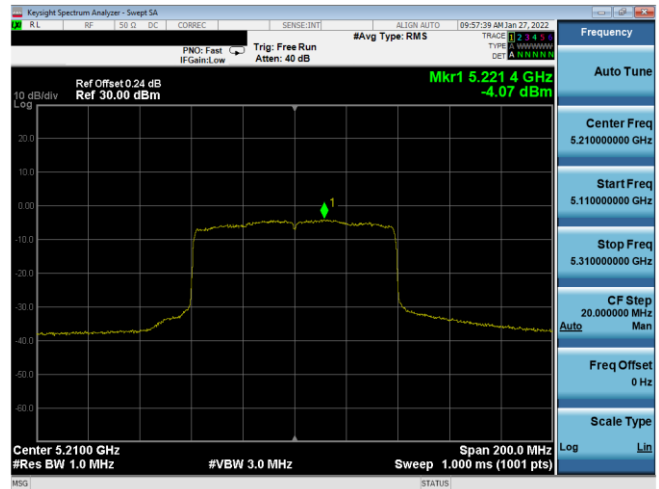
Plot 7-290. ISSED PSD Antenna 2B (20MHz BW 11ax(SU) – Ch.40, MCS0)



Plot 7-293. ISSED PSD Antenna 2B (80MHz BW 11ac – Ch.42, MCS0)



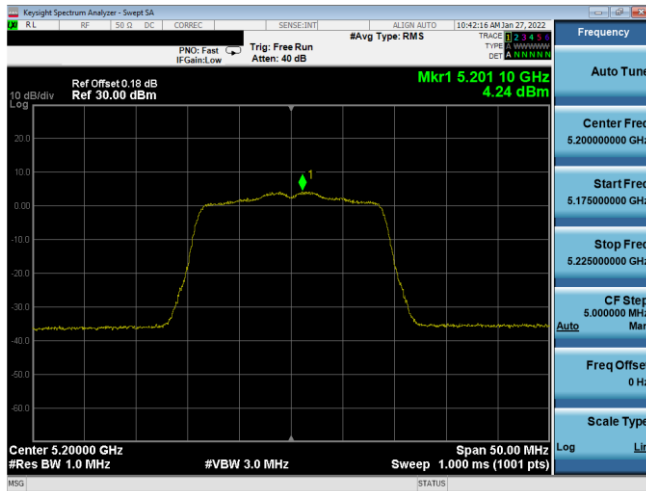
Plot 7-291. ISSED PSD Antenna 2B (40MHz BW 11n – Ch.46, MCS0)



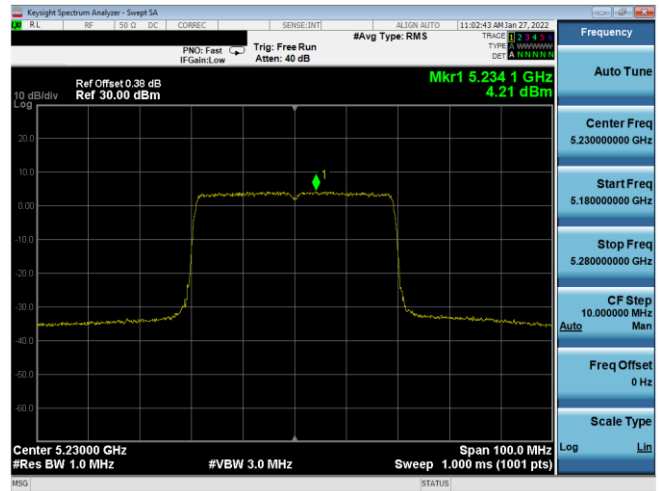
Plot 7-294. ISSED PSD Antenna 2B (80MHz BW 11ax (SU) – Ch.42, MCS0)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 142 of 564

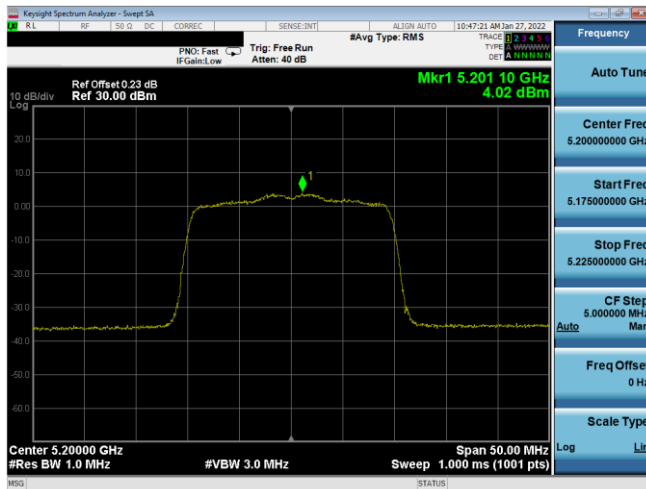
Mid Data Rate



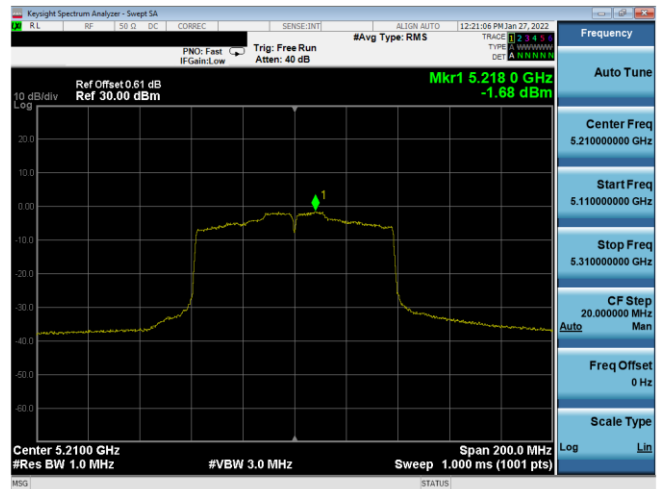
Plot 7-295. ISED PSD Antenna 2B (20MHz BW 11n – Ch.40, MCS3)



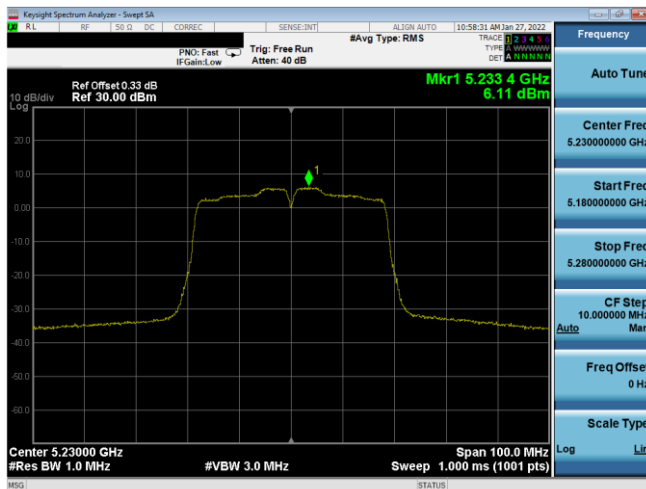
Plot 7-298. ISED PSD Antenna 2B (40MHz BW 11ax(SU) – Ch.46, MCS3)



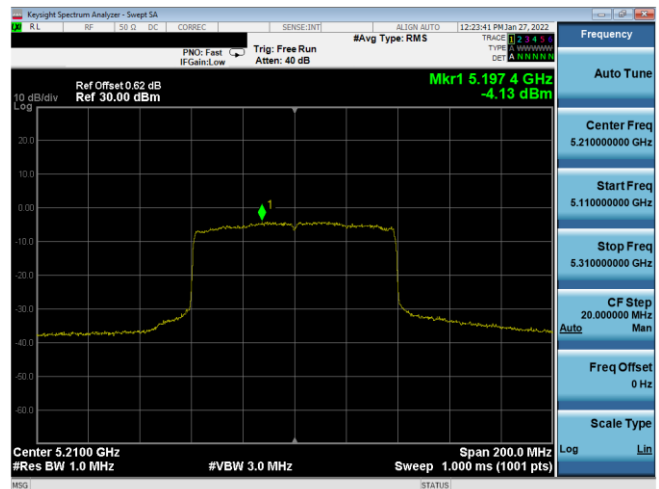
Plot 7-296. ISED PSD Antenna 2B (20MHz BW 11ax(SU) – Ch.40, MCS3)



Plot 7-299. ISED PSD Antenna 2B (80MHz BW 11ac – Ch.42, MCS3)



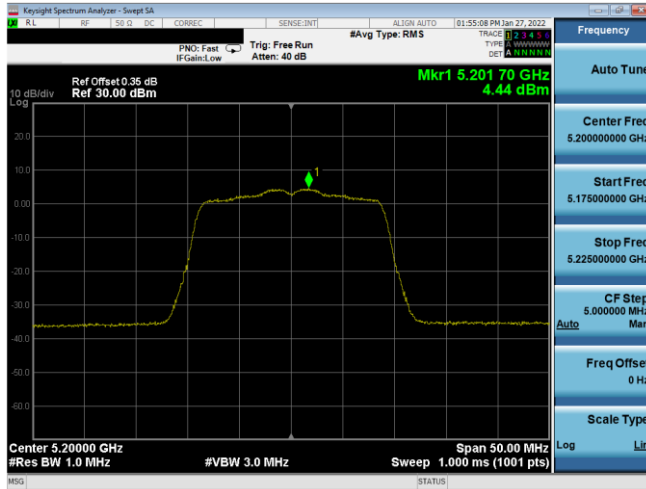
Plot 7-297. ISED PSD Antenna 2B (40MHz BW 11n – Ch.46, MCS3)



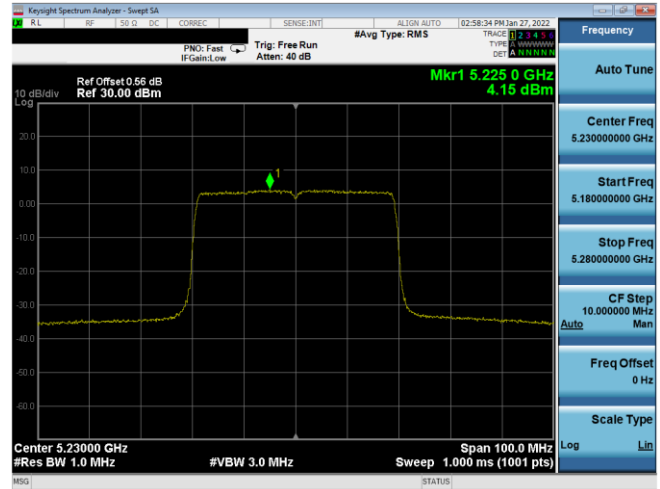
Plot 7-300. ISED PSD Antenna 2B (80MHz BW 11ax(SU) – Ch.42, MCS3)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 143 of 564

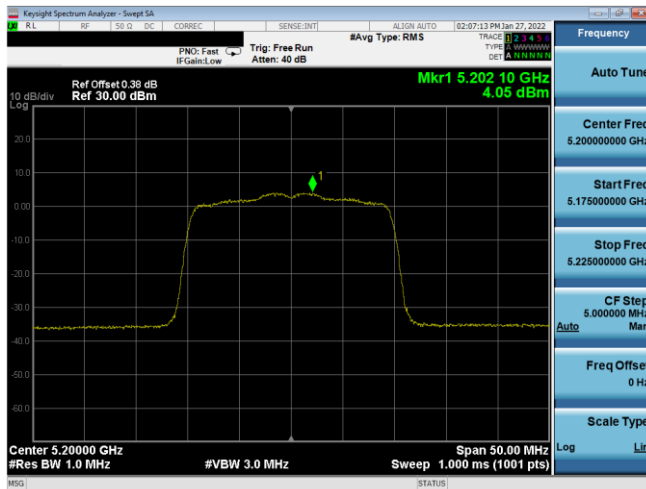
High Date Rate



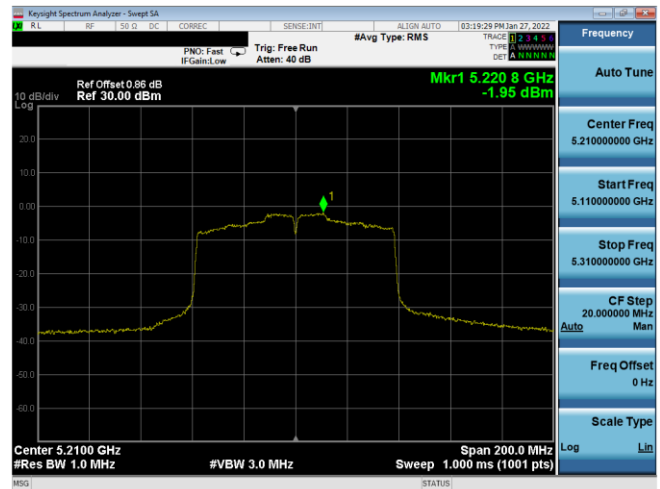
Plot 7-301. ISED PSD Antenna 2B (20MHz BW 11n – Ch.40, MCS5)



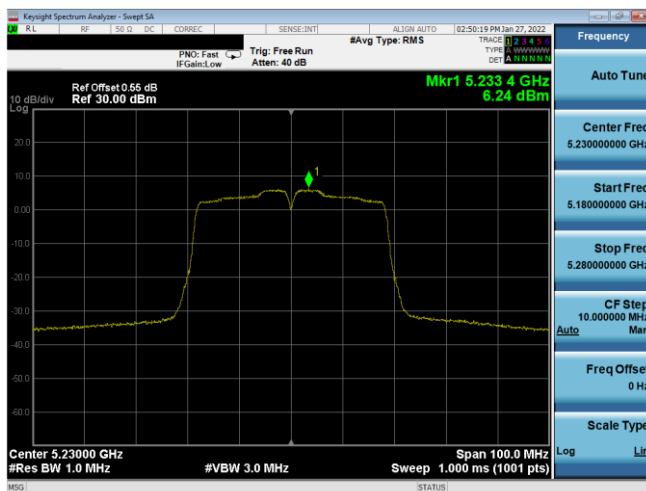
Plot 7-304. ISED PSD Antenna 2B (40MHz BW 11ax(SU) – Ch.46, MCS5)



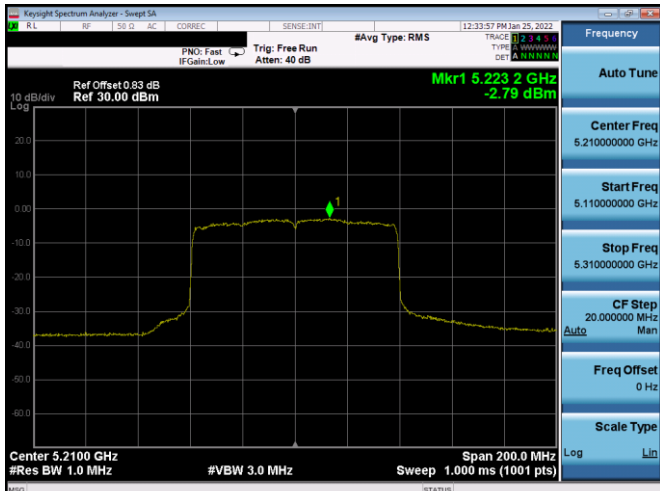
Plot 7-302. ISED PSD Antenna 2B (20MHz BW 11ax(SU) – Ch.40, MCS5)



Plot 7-305. ISED PSD Antenna 2B (80MHz BW 11ac – Ch.42, MCS5)



Plot 7-303. ISED PSD Antenna 2B (40MHz BW 11n – Ch.46, MCS5)



Plot 7-306. ISED PSD Antenna 2B (80MHz BW 11ax(SU) – Ch.42, MCS5)

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 144 of 564

7.5.2 Antenna 1B 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)	8.00	11.0	-3.00
	5200	40	n (20MHz)	6.5/7.2 (MCS0)	8.52	11.0	-2.48
	5240	48	n (20MHz)	6.5/7.2 (MCS0)	8.60	11.0	-2.40
	5180	36	ax (SU) (20MHz)	8/8.6 (MCS0)	7.77	11.0	-3.23
	5200	40	ax (SU) (20MHz)	8/8.6 (MCS0)	8.20	11.0	-2.80
	5240	48	ax (SU) (20MHz)	8/8.6 (MCS0)	7.93	11.0	-3.07
	5190	38	n (40MHz)	13.5/15 (MCS0)	3.04	11.0	-7.96
	5230	46	n (40MHz)	13.5/15 (MCS0)	7.22	11.0	-3.78
	5190	38	ax (SU) (40MHz)	16/17.2 (MCS0)	-0.49	11.0	-11.49
	5230	46	ax (SU) (40MHz)	16/17.2 (MCS0)	5.24	11.0	-5.76
	5210	42	ac (80MHz)	29.3/32.5 (MCS0)	-0.65	11.0	-11.65
	5210	42	ax (SU) (80MHz)	34/36 (MCS0)	-2.29	11.0	-13.29
Band 2A	5260	52	n (20MHz)	6.5/7.2 (MCS0)	8.54	11.0	-2.46
	5280	56	n (20MHz)	6.5/7.2 (MCS0)	8.61	11.0	-2.39
	5320	64	n (20MHz)	6.5/7.2 (MCS0)	8.76	11.0	-2.24
	5260	52	ax (SU) (20MHz)	8/8.6 (MCS0)	8.19	11.0	-2.81
	5280	56	ax (SU) (20MHz)	8/8.6 (MCS0)	8.57	11.0	-2.43
	5320	64	ax (SU) (20MHz)	8/8.6 (MCS0)	7.91	11.0	-3.09
	5270	54	n (40MHz)	13.5/15 (MCS0)	7.32	11.0	-3.68
	5310	62	n (40MHz)	13.5/15 (MCS0)	3.67	11.0	-7.33
	5270	54	ax (SU) (40MHz)	16/17.2 (MCS0)	5.68	11.0	-5.32
	5310	62	ax (SU) (40MHz)	16/17.2 (MCS0)	0.80	11.0	-10.20
	5290	58	ac (80MHz)	29.3/32.5 (MCS0)	-1.62	11.0	-12.62
	5290	58	ax (SU) (80MHz)	34/36 (MCS0)	-3.74	11.0	-14.74
Band 2C	5500	100	n (20MHz)	6.5/7.2 (MCS0)	6.94	11.0	-4.06
	5580	116	n (20MHz)	6.5/7.2 (MCS0)	7.46	11.0	-3.54
	5720	144	n (20MHz)	6.5/7.2 (MCS0)	8.60	11.0	-2.40
	5500	100	ax (SU) (20MHz)	8/8.6 (MCS0)	6.67	11.0	-4.33
	5580	116	ax (SU) (20MHz)	8/8.6 (MCS0)	6.76	11.0	-4.24
	5720	144	ax (SU) (20MHz)	8/8.6 (MCS0)	8.43	11.0	-2.57
	5510	102	n (40MHz)	13.5/15 (MCS0)	2.55	11.0	-8.45
	5550	110	n (40MHz)	13.5/15 (MCS0)	7.24	11.0	-3.76
	5710	142	n (40MHz)	13.5/15 (MCS0)	7.10	11.0	-3.90
	5510	102	ax (SU) (40MHz)	16/17.2 (MCS0)	-0.25	11.0	-11.25
	5550	110	ax (SU) (40MHz)	16/17.2 (MCS0)	5.86	11.0	-5.14
	5710	142	ax (SU) (40MHz)	16/17.2 (MCS0)	5.53	11.0	-5.48
	5530	106	ac (80MHz)	29.3/32.5 (MCS0)	-0.13	11.0	-11.13
	5610	*122	ac (80MHz)	29.3/32.5 (MCS0)	3.49	11.0	-7.51
	5690	138	ac (80MHz)	29.3/32.5 (MCS0)	1.80	11.0	-9.20
	5530	106	ax (SU) (80MHz)	34/36 (MCS0)	-2.56	11.0	-13.56
	5610	*122	ax (SU) (80MHz)	34/36 (MCS0)	0.53	11.0	-10.47
	5690	138	ax (SU) (80MHz)	34/36 (MCS0)	0.47	11.0	-10.53

Table 7-167. Power Spectral Density Measurements Antenna 1B (Low Data Rate)

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

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 145 of 564

	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)	6.78	11.0	-4.22
	5200	40	n (20MHz)	26/28.9 (MCS3)	8.71	11.0	-2.29
	5240	48	n (20MHz)	26/28.9 (MCS3)	7.49	11.0	-3.51
	5180	36	ax (SU) (20MHz)	33/34.4 (MCS3)	5.40	11.0	-5.60
	5200	40	ax (SU) (20MHz)	33/34.4 (MCS3)	8.32	11.0	-2.68
	5240	48	ax (SU) (20MHz)	33/34.4 (MCS3)	8.31	11.0	-2.70
	5190	38	n (40MHz)	54/60 (MCS3)	2.51	11.0	-8.49
	5230	46	n (40MHz)	54/60 (MCS3)	7.49	11.0	-3.51
	5190	38	ax (SU) (40MHz)	65/68.8 (MCS3)	-0.12	11.0	-11.12
	5230	46	ax (SU) (40MHz)	65/68.8 (MCS3)	5.44	11.0	-5.56
	5210	42	ac (80MHz)	117/130 (MCS3)	-0.18	11.0	-11.18
	5210	42	ax (SU) (80MHz)	136/144.1 (MCS3)	-3.34	11.0	-14.34
Band 2A	5260	52	n (20MHz)	26/28.9 (MCS3)	8.62	11.0	-2.38
	5280	56	n (20MHz)	26/28.9 (MCS3)	8.73	11.0	-2.27
	5320	64	n (20MHz)	26/28.9 (MCS3)	8.47	11.0	-2.54
	5260	52	ax (SU) (20MHz)	33/34.4 (MCS3)	7.99	11.0	-3.01
	5280	56	ax (SU) (20MHz)	33/34.4 (MCS3)	8.43	11.0	-2.57
	5320	64	ax (SU) (20MHz)	33/34.4 (MCS3)	7.25	11.0	-3.75
	5270	54	n (40MHz)	54/60 (MCS3)	7.40	11.0	-3.60
	5310	62	n (40MHz)	54/60 (MCS3)	3.26	11.0	-7.74
	5270	54	ax (SU) (40MHz)	65/68.8 (MCS3)	5.63	11.0	-5.37
	5310	62	ax (SU) (40MHz)	65/68.8 (MCS3)	0.23	11.0	-10.77
	5290	58	ac (80MHz)	117/130 (MCS3)	-1.96	11.0	-12.96
	5290	58	ax (SU) (80MHz)	136/144.1 (MCS3)	-3.74	11.0	-14.74
Band 2C	5500	100	n (20MHz)	26/28.9 (MCS3)	6.31	11.0	-4.69
	5580	116	n (20MHz)	26/28.9 (MCS3)	7.57	11.0	-3.44
	5720	144	n (20MHz)	26/28.9 (MCS3)	8.61	11.0	-2.39
	5500	100	ax (SU) (20MHz)	33/34.4 (MCS3)	5.20	11.0	-5.80
	5580	116	ax (SU) (20MHz)	33/34.4 (MCS3)	7.78	11.0	-3.22
	5720	144	ax (SU) (20MHz)	33/34.4 (MCS3)	8.22	11.0	-2.78
	5510	102	n (40MHz)	54/60 (MCS3)	1.60	11.0	-9.40
	5550	110	n (40MHz)	54/60 (MCS3)	7.66	11.0	-3.34
	5710	142	n (40MHz)	54/60 (MCS3)	7.38	11.0	-3.62
	5510	102	ax (SU) (40MHz)	65/68.8 (MCS3)	-0.77	11.0	-11.77
	5550	110	ax (SU) (40MHz)	65/68.8 (MCS3)	5.34	11.0	-5.67
	5710	142	ax (SU) (40MHz)	65/68.8 (MCS3)	5.77	11.0	-5.23
	5530	106	ac (80MHz)	117/130 (MCS3)	-1.60	11.0	-12.60
	5610	*122	ac (80MHz)	117/130 (MCS3)	3.19	11.0	-7.81
	5690	138	ac (80MHz)	117/130 (MCS3)	1.97	11.0	-9.03
	5530	106	ax (SU) (80MHz)	136/144.1 (MCS3)	-3.56	11.0	-14.56
	5610	*122	ax (SU) (80MHz)	136/144.1 (MCS3)	0.99	11.0	-10.01
	5690	138	ax (SU) (80MHz)	136/144.1 (MCS3)	0.91	11.0	-10.09

Table 7-168. Power Spectral Density Measurements Antenna 1B (Mid Data Rate)

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

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 146 of 564

	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)	5.52	11.0	-5.48
	5200	40	n (20MHz)	52/57.8 (MCS5)	7.66	11.0	-3.34
	5240	48	n (20MHz)	52/57.8 (MCS5)	7.62	11.0	-3.38
	5180	36	ax (SU) (20MHz)	65/68.8 (MCS5)	4.84	11.0	-6.16
	5200	40	ax (SU) (20MHz)	65/68.8 (MCS5)	7.61	11.0	-3.39
	5240	48	ax (SU) (20MHz)	65/68.8 (MCS5)	7.65	11.0	-3.35
	5190	38	n (40MHz)	108/120 (MCS5)	0.00	11.0	-11.00
	5230	46	n (40MHz)	108/120 (MCS5)	6.03	11.0	-4.97
	5190	38	ax (SU) (40MHz)	130/137.6 (MCS5)	-0.84	11.0	-11.84
	5230	46	ax (SU) (40MHz)	130/137.6 (MCS5)	5.19	11.0	-5.81
	5210	42	ac (80MHz)	234/260 (MCS5)	-1.15	11.0	-12.15
Band 2A	5210	42	ax (SU) (80MHz)	272/288.2 (MCS5)	-3.09	11.0	-14.09
	5260	52	n (20MHz)	52/57.8 (MCS5)	8.97	11.0	-2.04
	5280	56	n (20MHz)	52/57.8 (MCS5)	9.11	11.0	-1.89
	5320	64	n (20MHz)	52/57.8 (MCS5)	7.98	11.0	-3.02
	5260	52	ax (SU) (20MHz)	65/68.8 (MCS5)	7.66	11.0	-3.34
	5280	56	ax (SU) (20MHz)	65/68.8 (MCS5)	7.66	11.0	-3.34
	5320	64	ax (SU) (20MHz)	65/68.8 (MCS5)	6.21	11.0	-4.79
	5270	54	n (40MHz)	108/120 (MCS5)	7.73	11.0	-3.27
	5310	62	n (40MHz)	108/120 (MCS5)	1.63	11.0	-9.37
	5270	54	ax (SU) (40MHz)	130/137.6 (MCS5)	5.93	11.0	-5.07
	5310	62	ax (SU) (40MHz)	130/137.6 (MCS5)	0.49	11.0	-10.51
	5290	58	ac (80MHz)	234/260 (MCS5)	-1.83	11.0	-12.83
	5290	58	ax (SU) (80MHz)	272/288.2 (MCS5)	-4.22	11.0	-15.22
Band 2C	5500	100	n (20MHz)	52/57.8 (MCS5)	5.35	11.0	-5.65
	5580	116	n (20MHz)	52/57.8 (MCS5)	8.97	11.0	-2.03
	5720	144	n (20MHz)	52/57.8 (MCS5)	9.20	11.0	-1.80
	5500	100	ax (SU) (20MHz)	65/68.8 (MCS5)	4.75	11.0	-6.26
	5580	116	ax (SU) (20MHz)	65/68.8 (MCS5)	8.94	11.0	-2.06
	5720	144	ax (SU) (20MHz)	65/68.8 (MCS5)	8.78	11.0	-2.22
	5510	102	n (40MHz)	108/120 (MCS5)	0.45	11.0	-10.55
	5550	110	n (40MHz)	108/120 (MCS5)	7.35	11.0	-3.65
	5710	142	n (40MHz)	108/120 (MCS5)	7.80	11.0	-3.20
	5510	102	ax (SU) (40MHz)	130/137.6 (MCS5)	-1.21	11.0	-12.21
	5550	110	ax (SU) (40MHz)	130/137.6 (MCS5)	5.09	11.0	-5.91
	5710	142	ax (SU) (40MHz)	130/137.6 (MCS5)	6.34	11.0	-4.66
	5530	106	ac (80MHz)	234/260 (MCS5)	-1.98	11.0	-12.98
	5610	*122	ac (80MHz)	234/260 (MCS5)	1.97	11.0	-9.03
	5690	138	ac (80MHz)	234/260 (MCS5)	5.51	11.0	-5.49
	5530	106	ax (SU) (80MHz)	272/288.2 (MCS5)	-3.97	11.0	-14.97
	5610	*122	ax (SU) (80MHz)	272/288.2 (MCS5)	5.09	11.0	-5.91
	5690	138	ax (SU) (80MHz)	272/288.2 (MCS5)	4.15	11.0	-6.86

Table 7-169. Power Spectral Density Measurements Antenna 1B (High Data Rate)

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

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 147 of 564