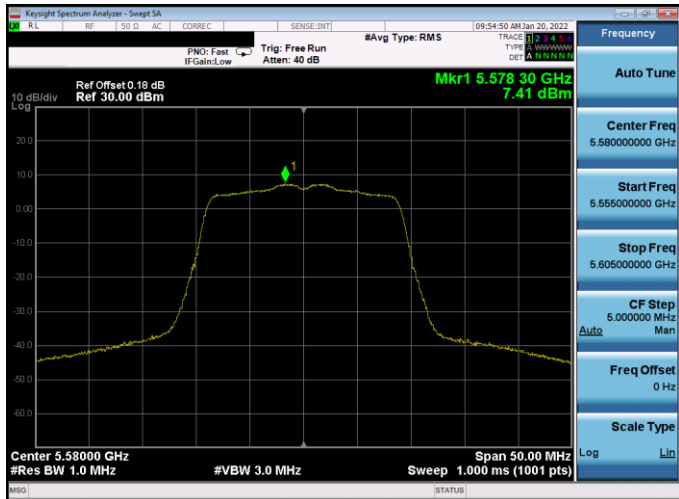
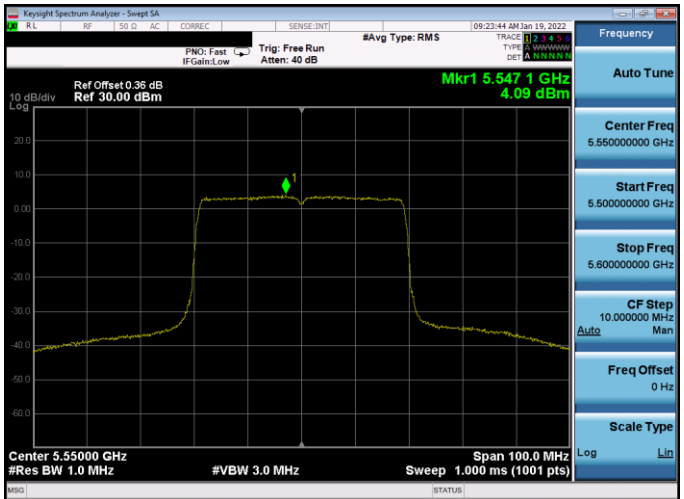
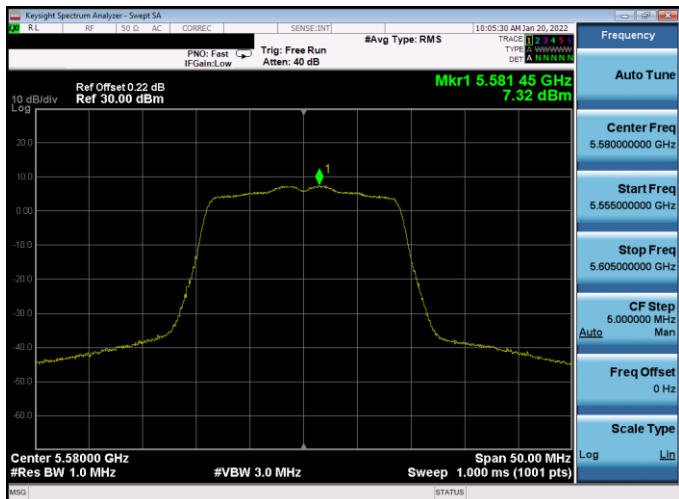




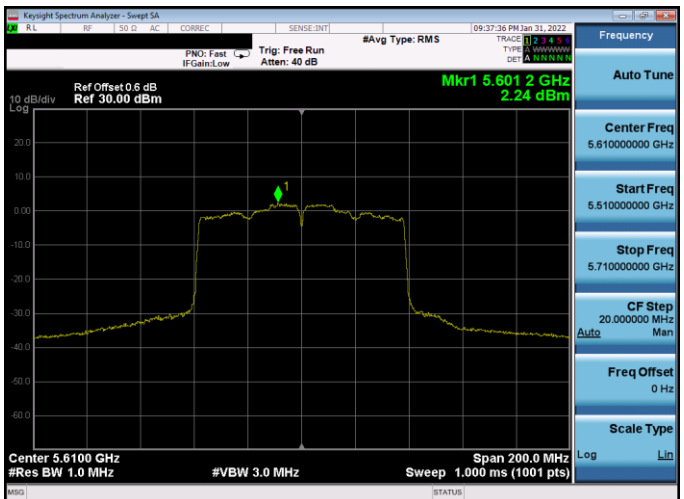
Plot 7-427. PSD Antenna 3A (20MHz BW 802.11n – Ch. 116, MCS3)



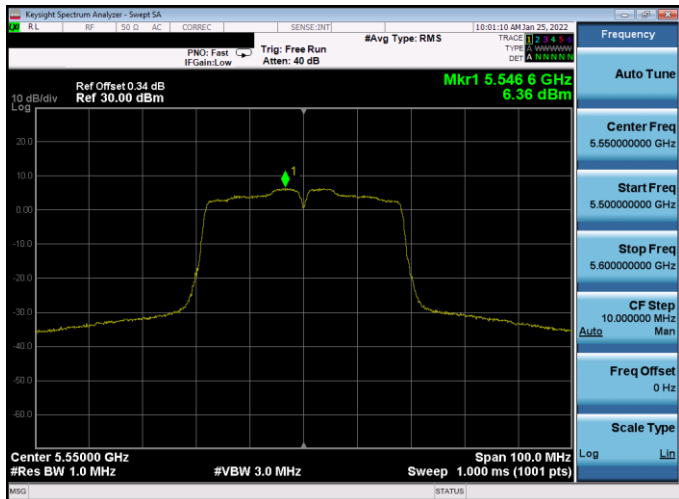
Plot 7-430. PSD Antenna 3A (40MHz BW 802.11ax(SU) – Ch. 110, MCS3)



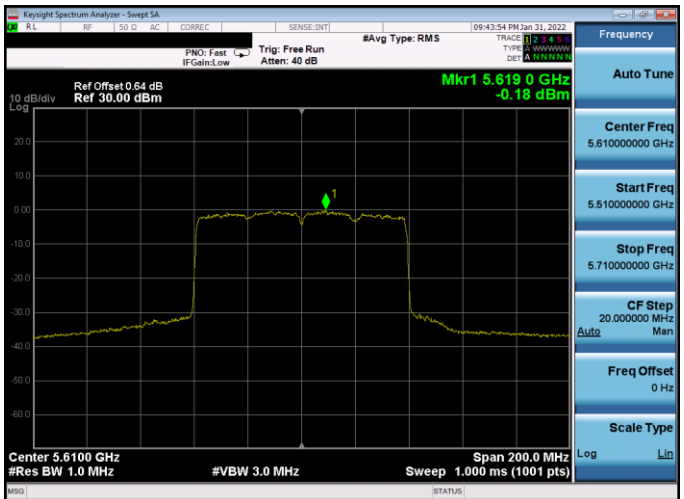
Plot 7-428. PSD Antenna 3A (20MHz BW 802.11ax(SU) – Ch. 116, MCS3)



Plot 7-431. PSD Antenna 3A (80MHz BW 802.11ac – Ch. 122, MCS3)



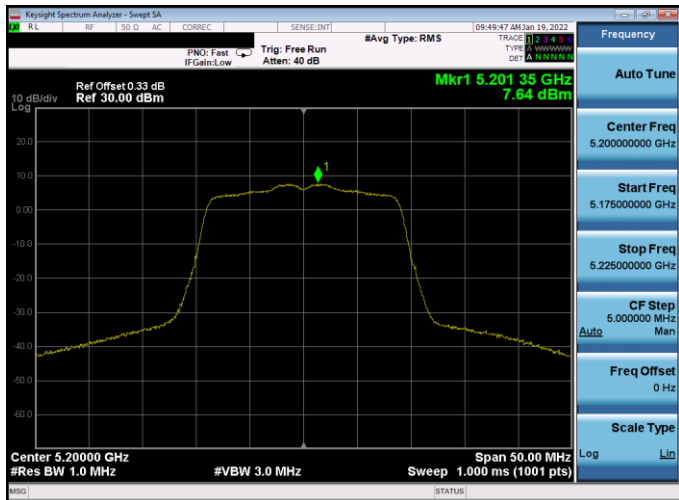
Plot 7-429. PSD Antenna 3A (40MHz BW 802.11n – Ch. 110, MCS3)



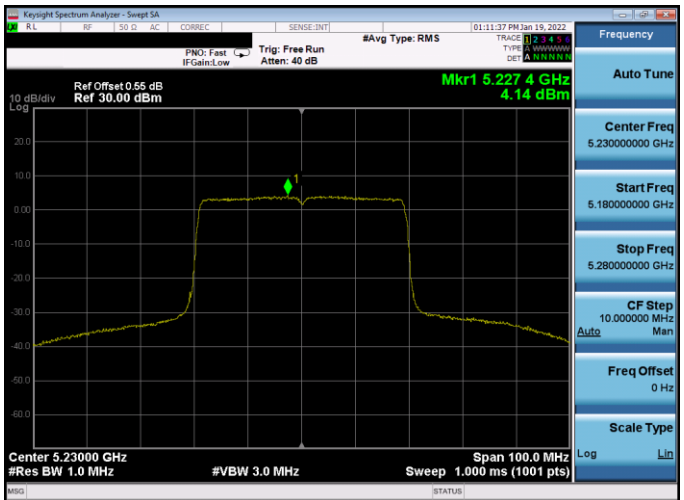
Plot 7-432. PSD Antenna 3A (80MHz BW 802.11ax(SU) – Ch. 122, MCS3)

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 173 of 564

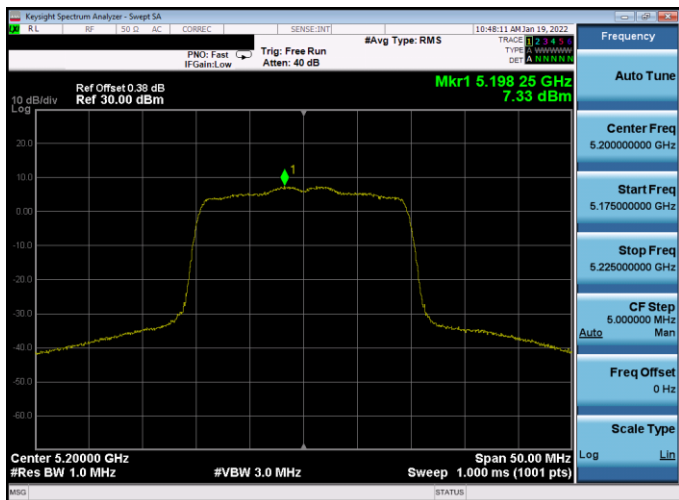
High Data Rate



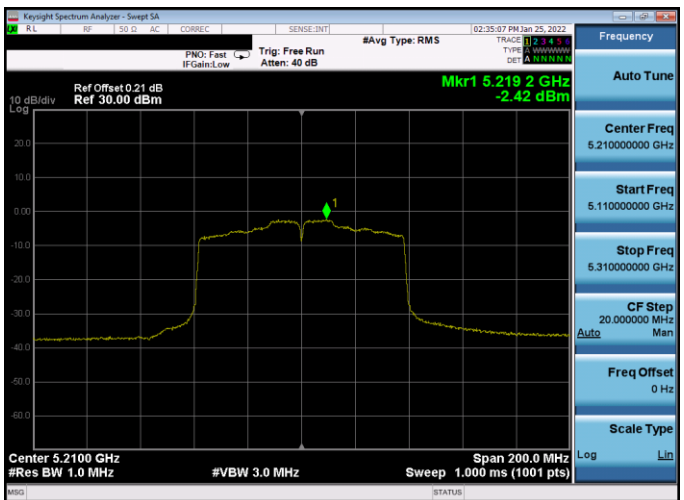
Plot 7-433. PSD Antenna 3A (20MHz BW 802.11n – Ch. 40, MCS5)



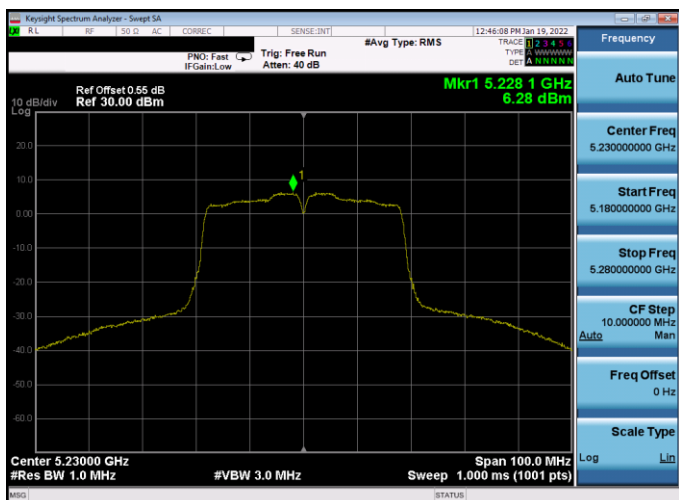
Plot 7-436. PSD Antenna 3A (40MHz BW 802.11ax(SU) – Ch. 46, MCS5)



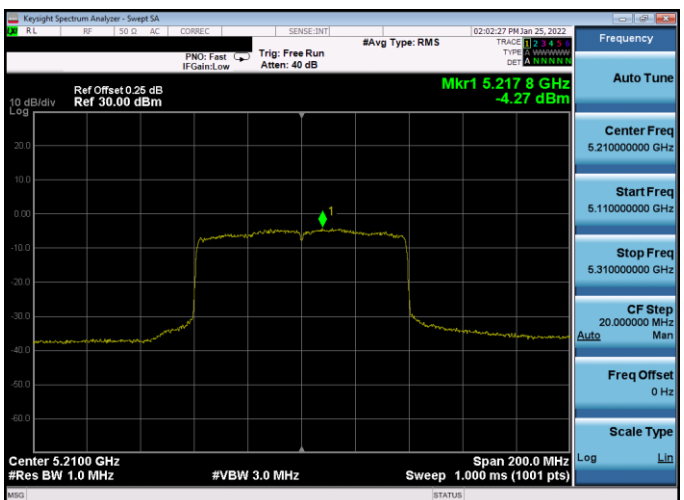
Plot 7-434. PSD Antenna 3A (20MHz BW 802.11ax(SU) – Ch. 40, MCS5)



Plot 7-437. PSD Antenna 3A (80MHz BW 802.11ac – Ch. 42, MCS5)

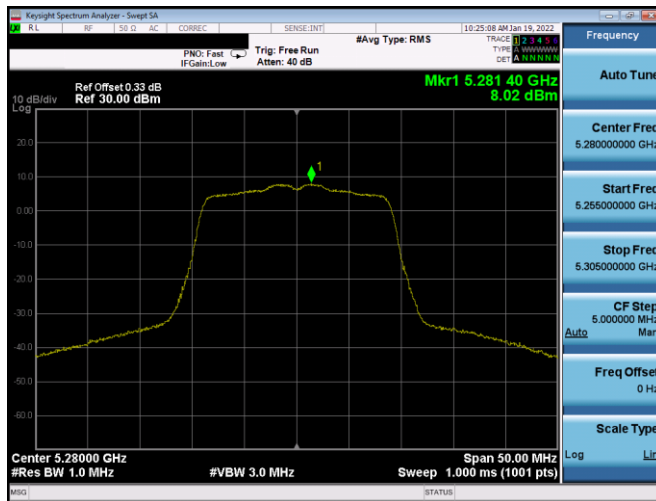


Plot 7-435. PSD Antenna 3A (40MHz BW 802.11n – Ch. 46, MCS5)

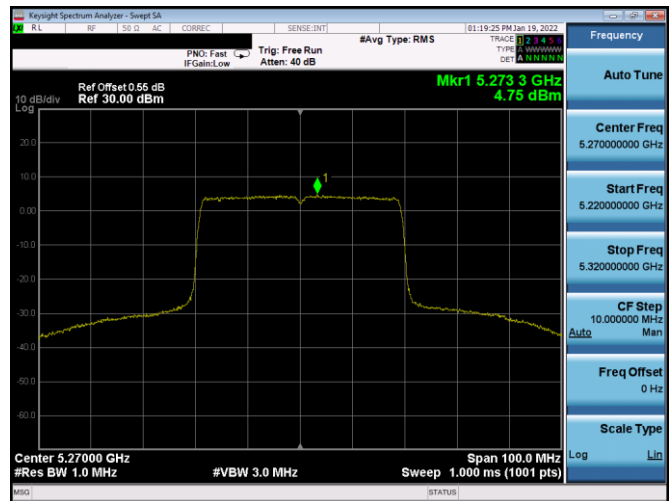


Plot 7-438. PSD Antenna 3A (80MHz BW 802.11ax(SU) – Ch. 42, MCS5)

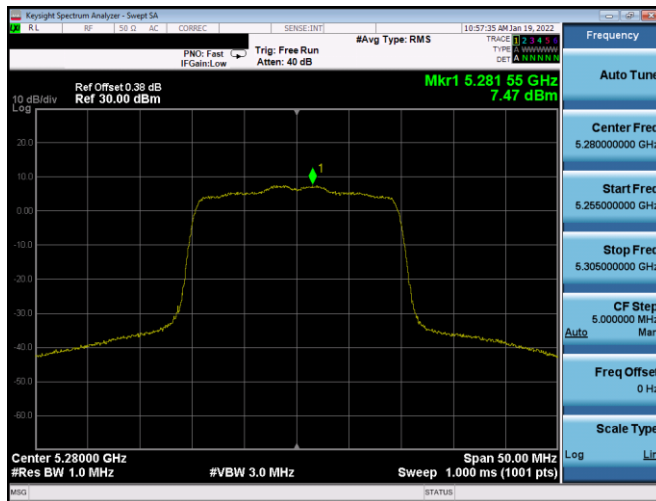
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 174 of 564



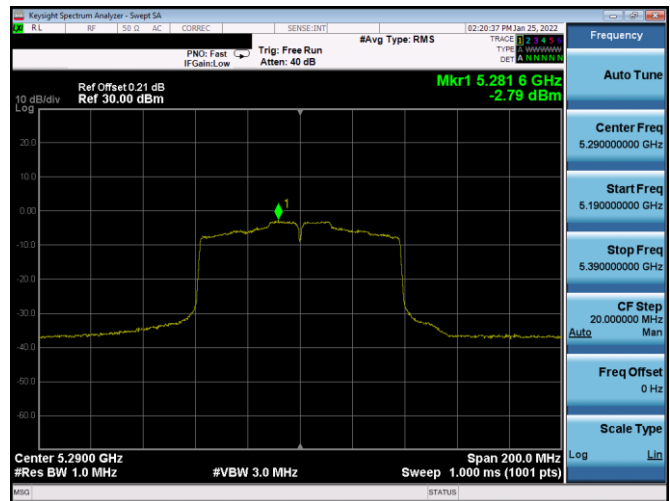
Plot 7-439. PSD Antenna 3A (20MHz BW 802.11n – Ch. 56, MCS5)



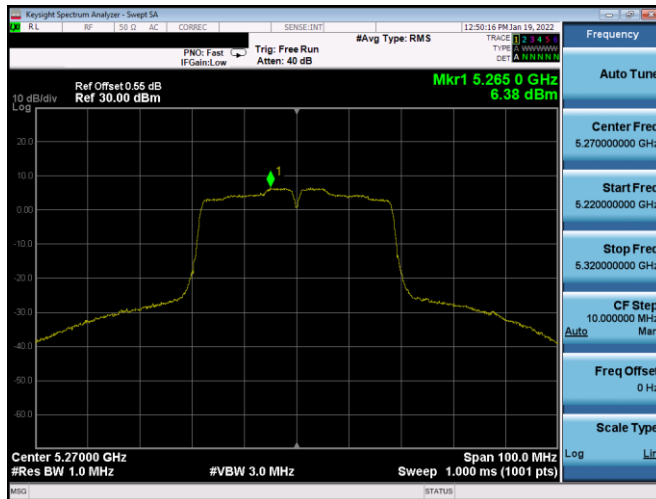
Plot 7-442. PSD Antenna 3A (40MHz BW 802.11ax(SU) – Ch. 54, MCS5)



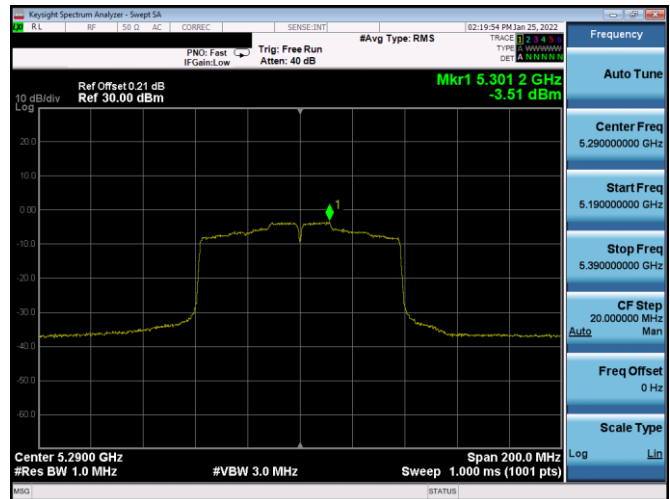
Plot 7-440. PSD Antenna 3A (20MHz BW 802.11ax(SU) – Ch. 56, MCS5)



Plot 7-443. PSD Antenna 3A (80MHz BW 802.11ac – Ch. 58, MCS5)

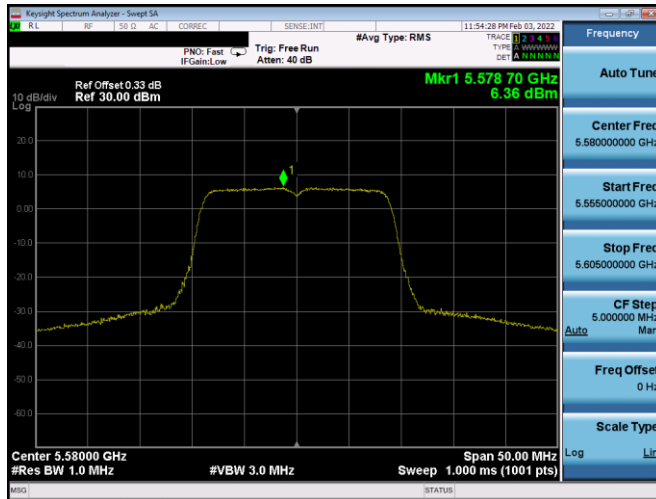


Plot 7-441. PSD Antenna 3A (40MHz BW 802.11n – Ch. 54, MCS5)

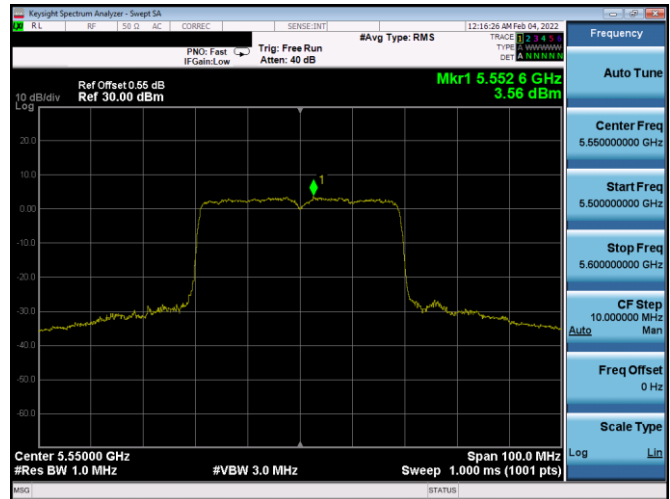


Plot 7-444. PSD Antenna 3A (80MHz BW 802.11ax(SU) – Ch. 58, MCS5)

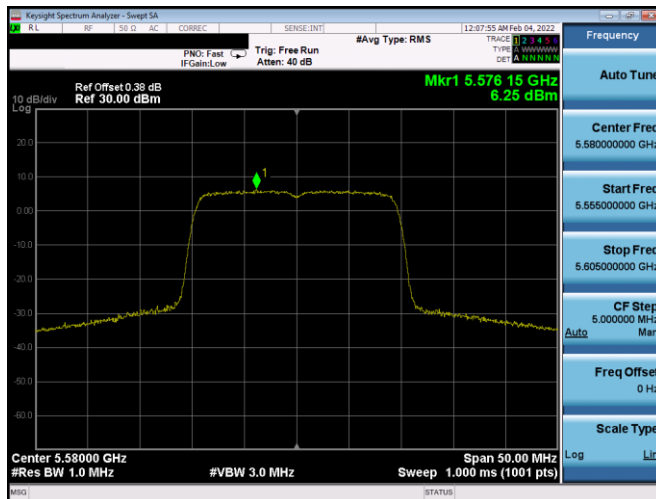
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-14.BCG	Test Dates: 12/02/2021 - 02/10/2022	EUT Type: Tablet Device	Page 175 of 564



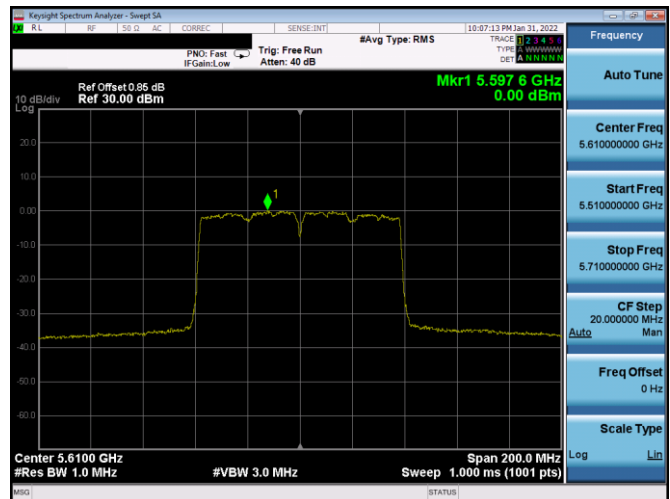
Plot 7-445. PSD Antenna 3A (20MHz BW 802.11n – Ch. 116, MCS5)



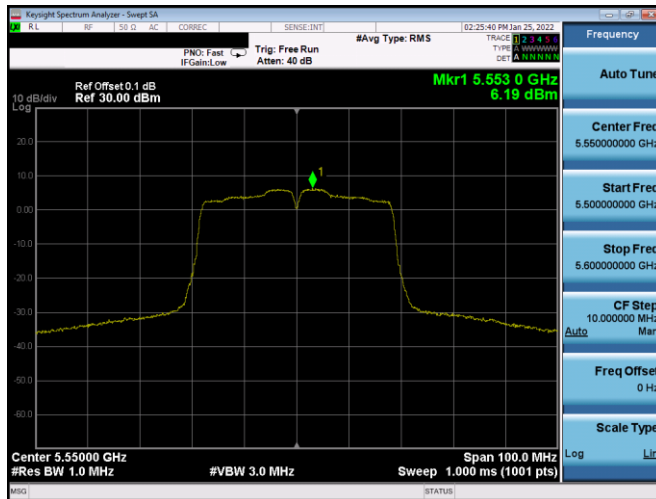
Plot 7-448. PSD Antenna 3A (40MHz BW 802.11ax(SU) – Ch. 110, MCS5)



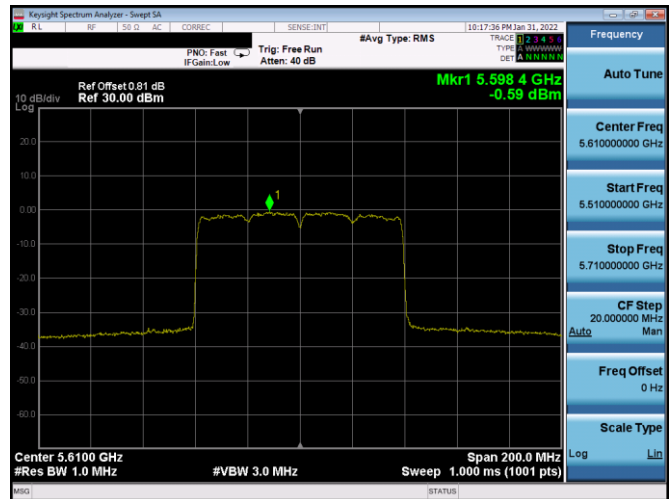
Plot 7-446. PSD Antenna 3A (20MHz BW 802.11ax(SU) – Ch. 116, MCS5)



Plot 7-449. PSD Antenna 3A (80MHz BW 802.11ac – Ch. 122, MCS5)



Plot 7-447. PSD Antenna 3A (40MHz BW 802.11n – Ch. 110, MCS5)



Plot 7-450. PSD Antenna 3A (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 176 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)	4.74	30.0	-25.26
	5785	157	n (20MHz)	6.5/7.2 (MCS0)	5.00	30.0	-25.00
	5825	165	n (20MHz)	6.5/7.2 (MCS0)	4.95	30.0	-25.05
	5745	149	ax (SU) (20MHz)	8/8.6 (MCS0)	4.39	30.0	-25.61
	5785	157	ax (SU) (20MHz)	8/8.6 (MCS0)	5.56	30.0	-24.44
	5825	165	ax (SU) (20MHz)	8/8.6 (MCS0)	4.45	30.0	-25.56
	5755	151	n (40MHz)	13.5/15 (MCS0)	2.24	30.0	-27.76
	5795	159	n (40MHz)	13.5/15 (MCS0)	2.41	30.0	-27.59
	5755	151	ax (SU) (40MHz)	16/17.2 (MCS0)	0.68	30.0	-29.32
	5795	159	ax (SU) (40MHz)	16/17.2 (MCS0)	0.74	30.0	-29.26
	5775	155	ac (80MHz)	29.3/32.5 (MCS0)	-2.83	30.0	-32.83
	5775	155	ax (SU) (80MHz)	34/36 (MCS0)	-4.17	30.0	-34.17

Table 7-179. Band 3 Power Spectral Density Measurements Antenna 3A (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)	4.81	30.0	-25.19
	5785	157	n (20MHz)	26/28.9 (MCS3)	4.91	30.0	-25.09
	5825	165	n (20MHz)	26/28.9 (MCS3)	5.28	30.0	-24.72
	5745	149	ax (SU) (20MHz)	33/34.4 (MCS3)	4.65	30.0	-25.35
	5785	157	ax (SU) (20MHz)	33/34.4 (MCS3)	4.50	30.0	-25.50
	5825	165	ax (SU) (20MHz)	33/34.4 (MCS3)	5.08	30.0	-24.93
	5755	151	n (40MHz)	54/60 (MCS3)	2.69	30.0	-27.31
	5795	159	n (40MHz)	54/60 (MCS3)	2.74	30.0	-27.26
	5755	151	ax (SU) (40MHz)	65/68.8 (MCS3)	1.37	30.0	-28.63
	5795	159	ax (SU) (40MHz)	65/68.8 (MCS3)	1.30	30.0	-28.71
	5775	155	ac (80MHz)	117/130 (MCS3)	-1.16	30.0	-31.16
	5775	155	ax (SU) (80MHz)	136/144.1 (MCS3)	-2.69	30.0	-32.69

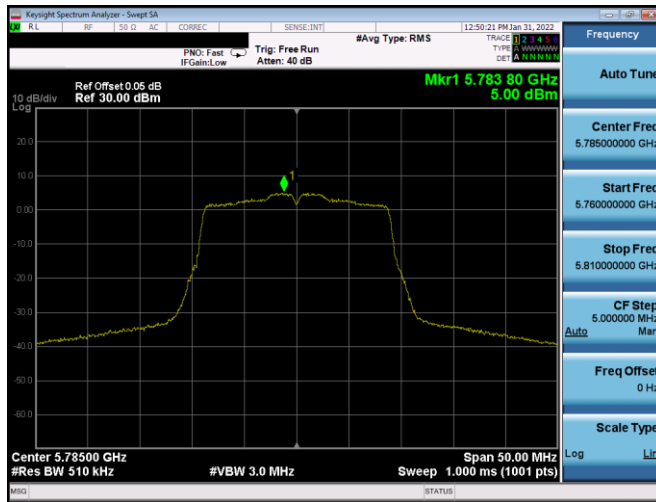
Table 7-180. Band 3 Power Spectral Density Measurements Antenna 3A (Mid Data Rate)

	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)	5.12	30.0	-24.88
	5785	157	n (20MHz)	52/57.8 (MCS5)	5.16	30.0	-24.84
	5825	165	n (20MHz)	52/57.8 (MCS5)	5.15	30.0	-24.85
	5745	149	ax (SU) (20MHz)	65/68.8 (MCS5)	4.77	30.0	-25.23
	5785	157	ax (SU) (20MHz)	65/68.8 (MCS5)	5.08	30.0	-24.92
	5825	165	ax (SU) (20MHz)	65/68.8 (MCS5)	5.13	30.0	-24.87
	5755	151	n (40MHz)	108/120 (MCS5)	2.69	30.0	-27.31
	5795	159	n (40MHz)	108/120 (MCS5)	2.80	30.0	-27.20
	5755	151	ax (SU) (40MHz)	130/137.6 (MCS5)	1.02	30.0	-28.98
	5795	159	ax (SU) (40MHz)	130/137.6 (MCS5)	1.59	30.0	-28.41
	5775	155	ac (80MHz)	234/260 (MCS5)	-2.61	30.0	-32.61
	5775	155	ax (SU) (80MHz)	272/288.2 (MCS5)	-3.31	30.0	-33.31

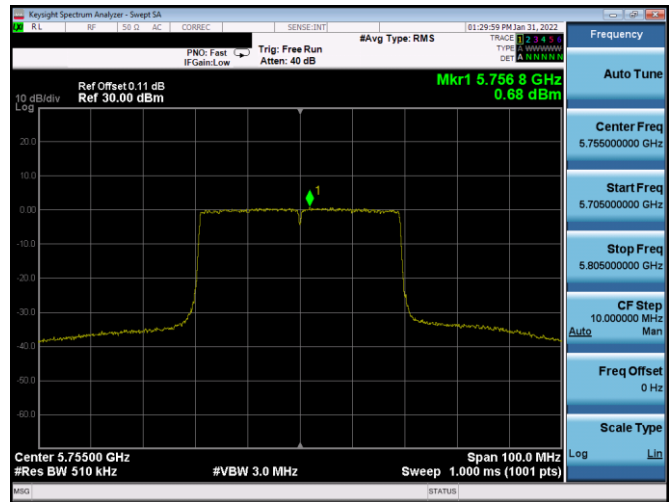
Table 7-181. Band 3 Power Spectral Density Measurements Antenna 3A (High Data Rate)

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 177 of 564

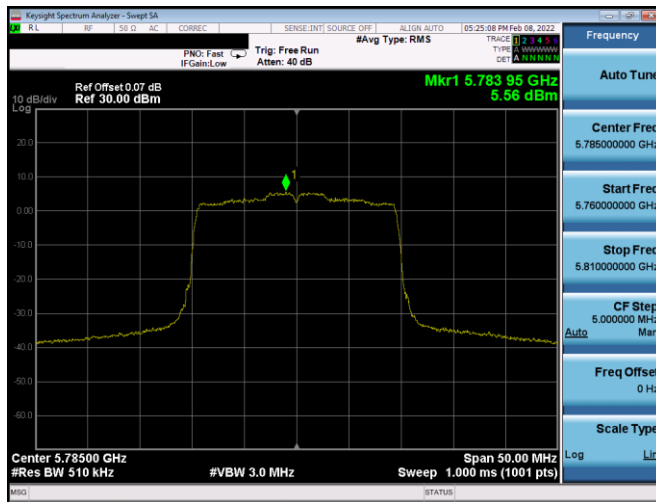
Low Data Rate



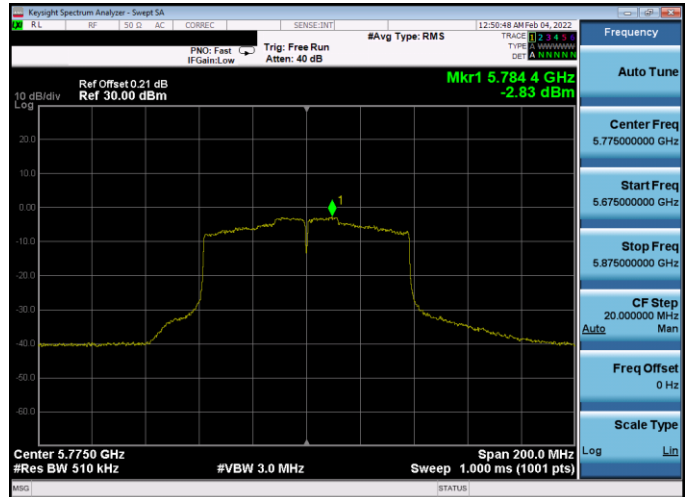
Plot 7-451. PSD Antenna 3A (20MHz BW 802.11n – Ch. 157, MCS0)



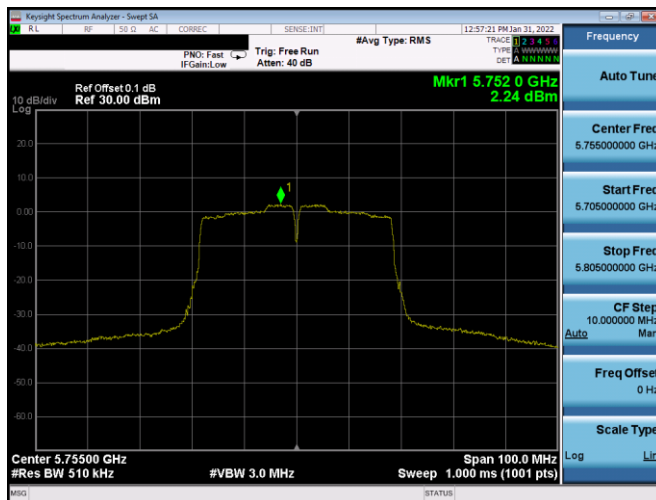
Plot 7-454. PSD Antenna 3A (40MHz BW 802.11ax(SU) – Ch. 151, MCS0)



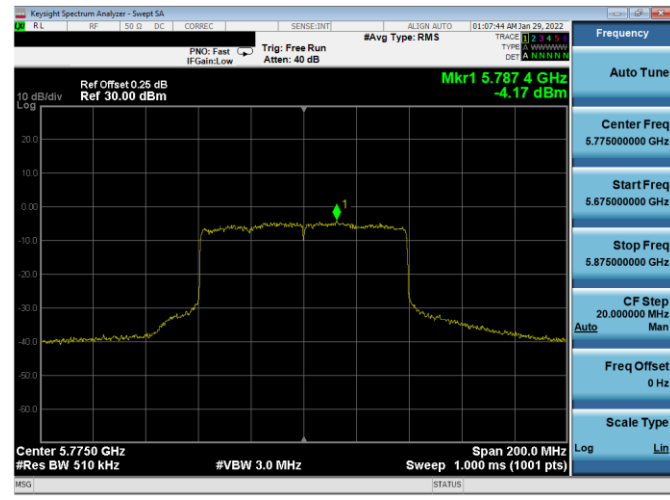
Plot 7-452. PSD Antenna 3A (20MHz BW 802.11ax(SU) – Ch. 157, MCS0)



Plot 7-455. PSD Antenna 3A (80MHz BW 802.11ac – Ch. 155, MCS0)



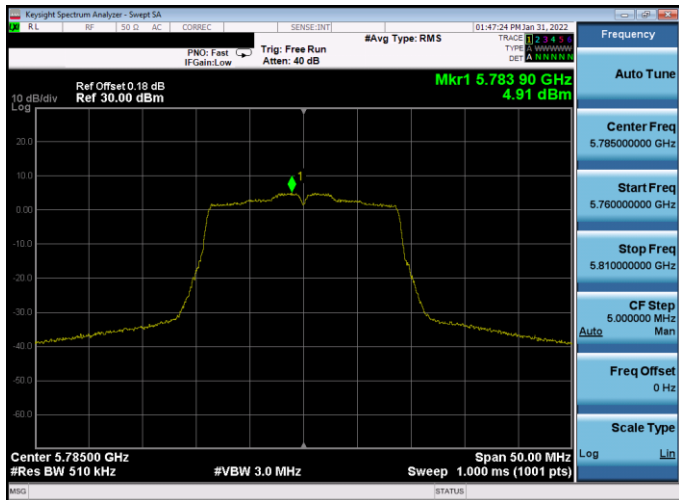
Plot 7-453. PSD Antenna 3A (40MHz BW 802.11n – Ch. 151, MCS0)



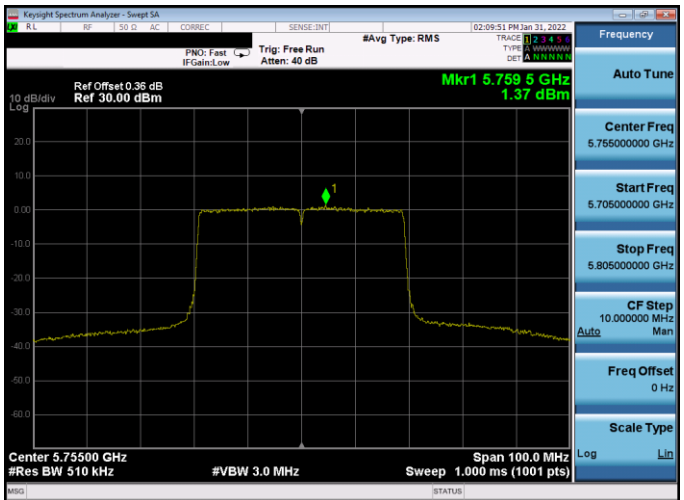
Plot 7-456. PSD Antenna 3A (80MHz BW 802.11Ax(SU) – Ch. 155, MCS0)

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 178 of 564

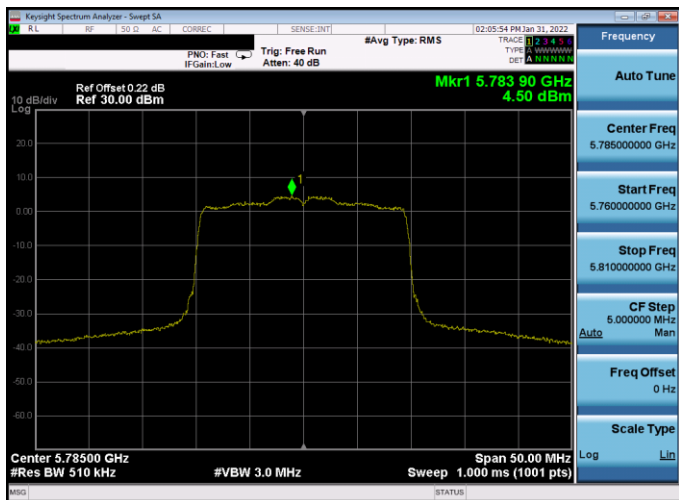
Mid Data Rate



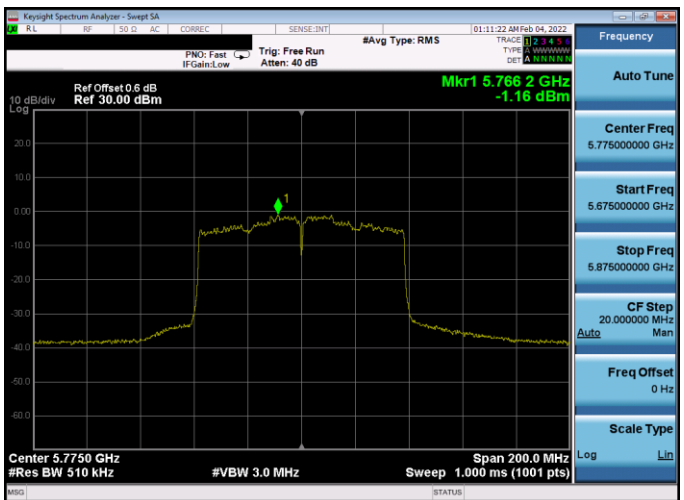
Plot 7-457. PSD Antenna 3A (20MHz BW 802.11n – Ch. 157, MCS3)



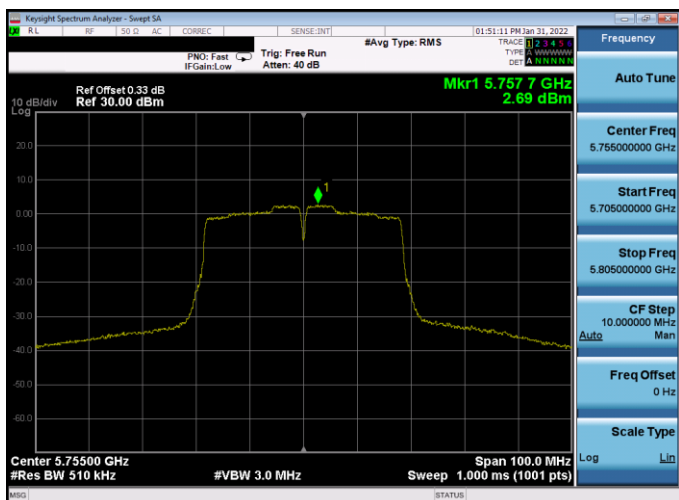
Plot 7-460. PSD Antenna 3A (40MHz BW 802.11ax(SU) – Ch. 151, MCS3)



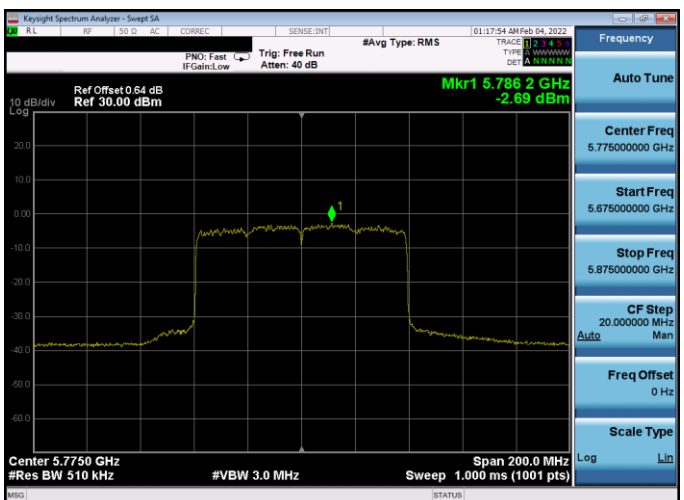
Plot 7-458. PSD Antenna 3A (20MHz BW 802.11ax(SU) – Ch. 157, MCS3)



Plot 7-461. PSD Antenna 3A (80MHz BW 802.11ac – Ch. 155, MCS3)



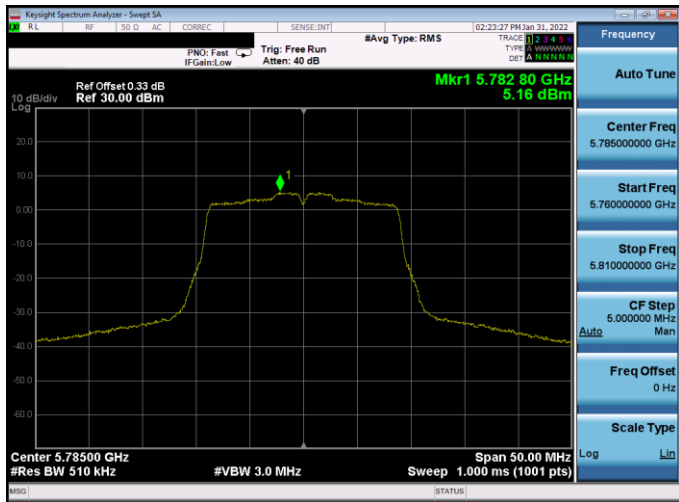
Plot 7-459. PSD Antenna 3A (40MHz BW 802.11n – Ch. 151, MCS3)



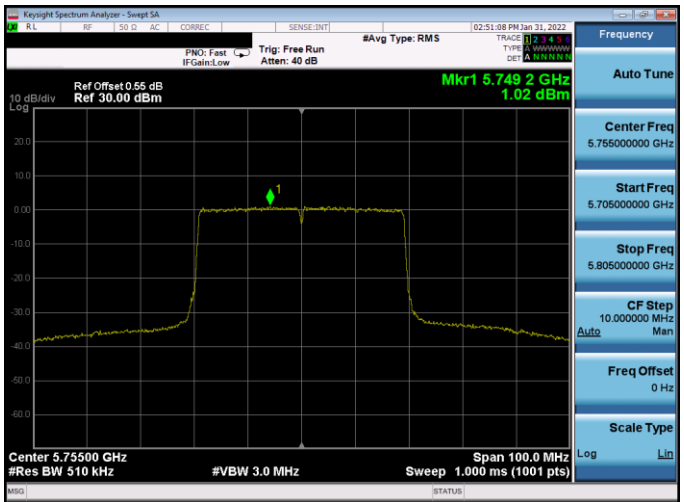
Plot 7-462. PSD Antenna 3A (80MHz BW 802.11ax(SU) – Ch. 155, MCS3)

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 179 of 564

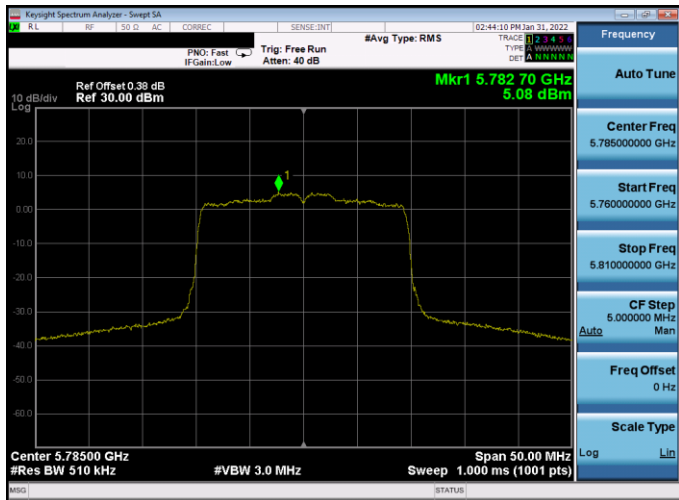
High Data Rate



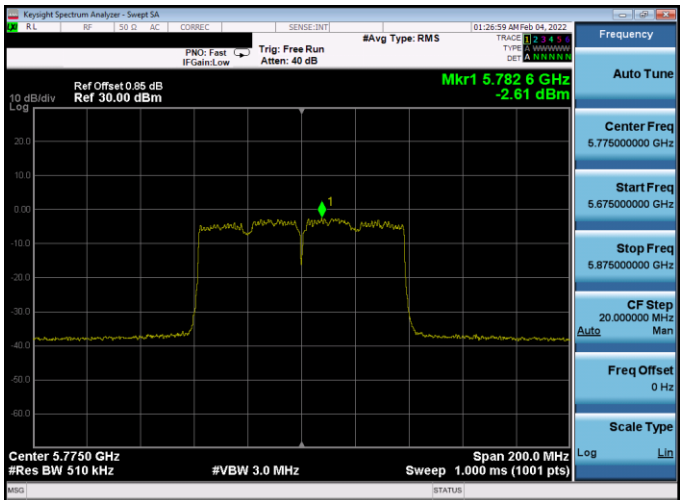
Plot 7-463. PSD Antenna 3A (20MHz BW 802.11n – Ch. 157, MCS5)



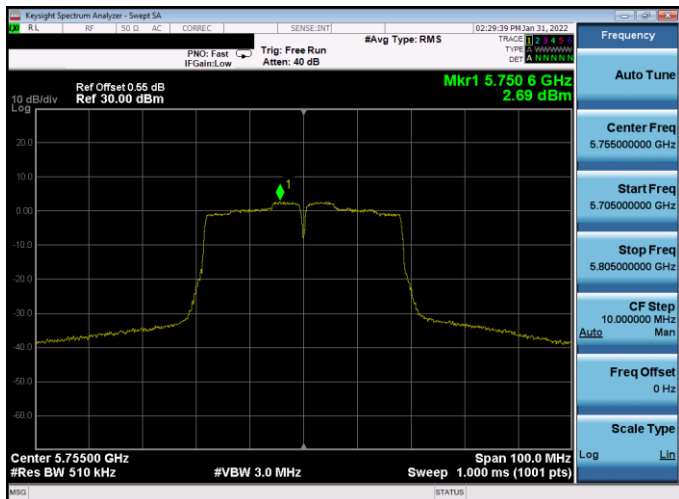
Plot 7-466. PSD Antenna 3A (40MHz BW 802.11ax(SU) – Ch. 151, MCS5)



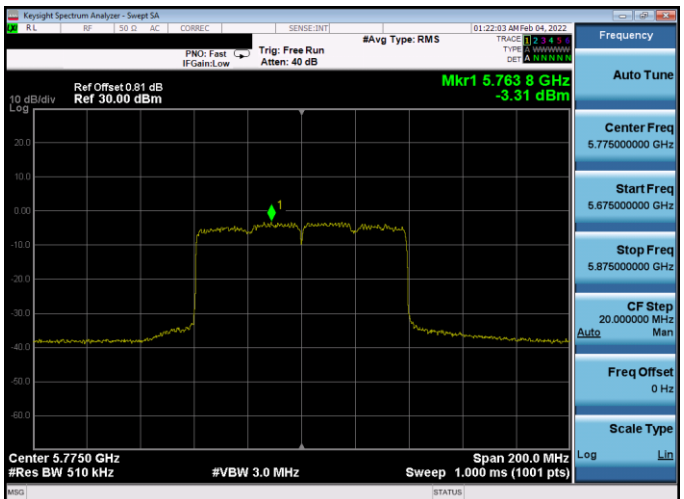
Plot 7-464. PSD Antenna 3A (20MHz BW 802.11ax(SU) – Ch. 157, MCS5)



Plot 7-467. PSD Antenna 3A (80MHz BW 802.11ac – Ch. 155, MCS5)



Plot 7-465. PSD Antenna 3A (40MHz BW 802.11n – Ch. 151, MCS5)



Plot 7-468. PSD Antenna 3A (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 180 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)	2.56	1.20	3.76	10.0	-6.24
	5200	40	n (20MHz)	6.5/7.2 (MCS0)	3.13	1.20	4.33	10.0	-5.67
	5240	48	n (20MHz)	6.5/7.2 (MCS0)	3.21	1.20	4.41	10.0	-5.59
	5180	36	ax (SU) (20MHz)	8/8.6 (MCS0)	1.97	1.20	3.17	10.0	-6.83
	5200	40	ax (SU) (20MHz)	8/8.6 (MCS0)	2.54	1.20	3.74	10.0	-6.26
	5240	48	ax (SU) (20MHz)	8/8.6 (MCS0)	2.90	1.20	4.10	10.0	-5.90
	5190	38	n (40MHz)	13.5/15 (MCS0)	0.83	1.20	2.03	10.0	-7.97
	5230	46	n (40MHz)	13.5/15 (MCS0)	4.77	1.20	5.97	10.0	-4.03
	5190	38	ax (SU) (40MHz)	16/17.2 (MCS0)	-0.96	1.20	0.24	10.0	-9.76
	5230	46	ax (SU) (40MHz)	16/17.2 (MCS0)	3.10	1.20	4.30	10.0	-5.70
	5210	42	ac (80MHz)	29.3/32.5 (MCS0)	-1.98	1.20	-0.78	10.0	-10.78
	5210	42	ax (SU) (80MHz)	34/36 (MCS0)	-4.98	1.20	-3.78	10.0	-13.78

Table 7-182. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 3A (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)	2.60	1.20	3.80	10.0	-6.20
	5200	40	n (20MHz)	26/28.9 (MCS3)	3.37	1.20	4.57	10.0	-5.43
	5240	48	n (20MHz)	26/28.9 (MCS3)	3.38	1.20	4.58	10.0	-5.42
	5180	36	ax (SU) (20MHz)	33/34.4 (MCS3)	2.31	1.20	3.51	10.0	-6.49
	5200	40	ax (SU) (20MHz)	33/34.4 (MCS3)	2.62	1.20	3.82	10.0	-6.18
	5240	48	ax (SU) (20MHz)	33/34.4 (MCS3)	3.05	1.20	4.25	10.0	-5.75
	5190	38	n (40MHz)	54/60 (MCS3)	0.40	1.20	1.60	10.0	-8.40
	5230	46	n (40MHz)	54/60 (MCS3)	5.30	1.20	6.50	10.0	-3.50
	5190	38	ax (SU) (40MHz)	65/68.8 (MCS3)	-1.83	1.20	-0.63	10.0	-10.63
	5230	46	ax (SU) (40MHz)	65/68.8 (MCS3)	3.47	1.20	4.67	10.0	-5.33
	5210	42	ac (80MHz)	117/130 (MCS3)	-2.31	1.20	-1.11	10.0	-11.11
	5210	42	ax (SU) (80MHz)	136/144.1 (MCS3)	-4.73	1.20	-3.53	10.0	-13.53

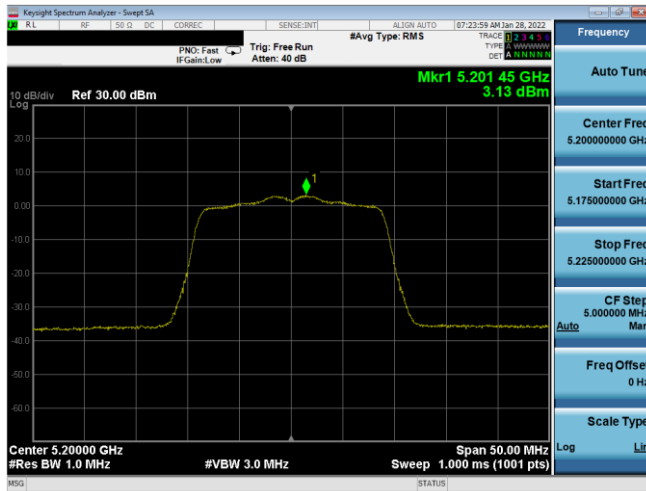
Table 7-183. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 3A (Mid Data Rate)

	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)	2.84	1.20	4.04	10.0	-5.96
	5200	40	n (20MHz)	52/57.8 (MCS5)	3.41	1.20	4.61	10.0	-5.39
	5240	48	n (20MHz)	52/57.8 (MCS5)	3.49	1.20	4.69	10.0	-5.31
	5180	36	ax (SU) (20MHz)	65/68.8 (MCS5)	2.55	1.20	3.75	10.0	-6.25
	5200	40	ax (SU) (20MHz)	65/68.8 (MCS5)	2.92	1.20	4.12	10.0	-5.88
	5240	48	ax (SU) (20MHz)	65/68.8 (MCS5)	3.25	1.20	4.45	10.0	-5.55
	5190	38	n (40MHz)	108/120 (MCS5)	0.05	1.20	1.25	10.0	-8.75
	5230	46	n (40MHz)	108/120 (MCS5)	5.96	1.20	7.16	10.0	-2.84
	5190	38	ax (SU) (40MHz)	130/137.6 (MCS5)	-2.77	1.20	-1.57	10.0	-11.57
	5230	46	ax (SU) (40MHz)	130/137.6 (MCS5)	3.15	1.20	4.35	10.0	-5.65
	5210	42	ac (80MHz)	234/260 (MCS5)	-2.47	1.20	-1.27	10.0	-11.27
	5210	42	ax (SU) (80MHz)	272/288.2 (MCS5)	-4.75	1.20	-3.55	10.0	-13.55

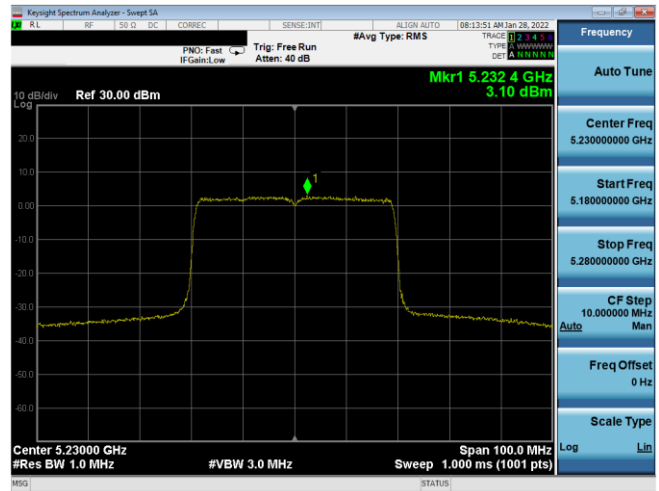
Table 7-184. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 3A (High Data Rate)

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 181 of 564

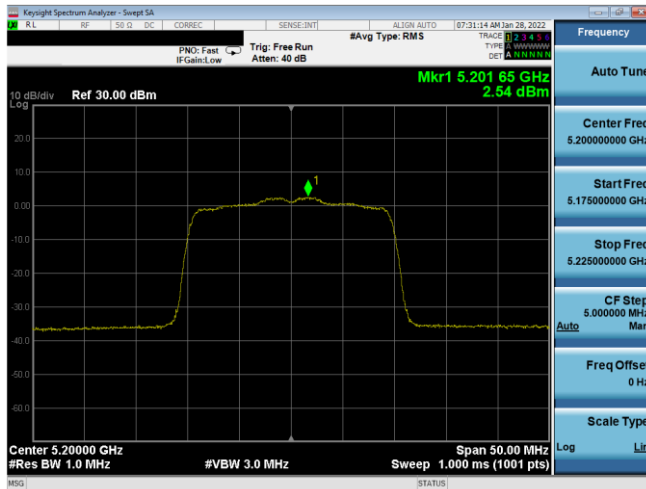
Low Data Rate



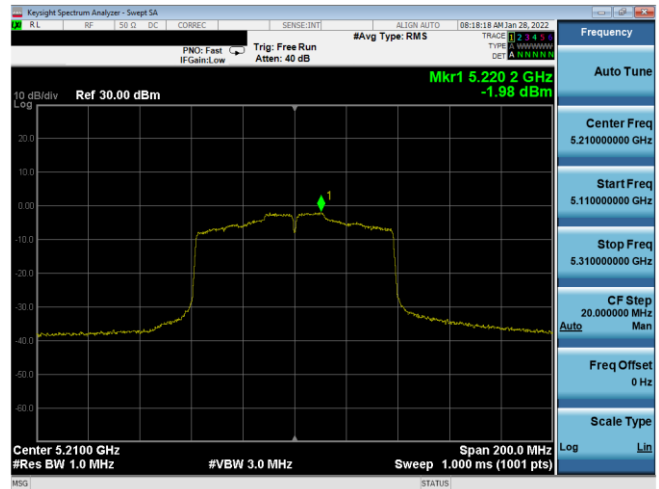
Plot 7-469. ISED PSD Antenna 3A (20MHz BW 11n – Ch.40, MCS0)



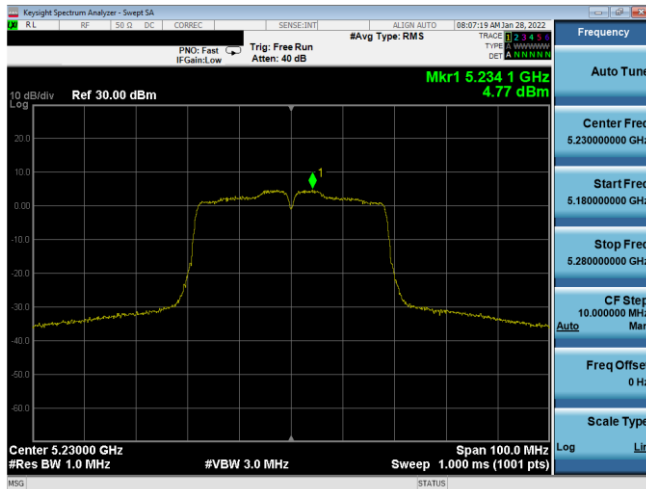
Plot 7-472. ISED PSD Antenna 3A (40MHz BW 11ax(SU) – Ch.46, MCS0)



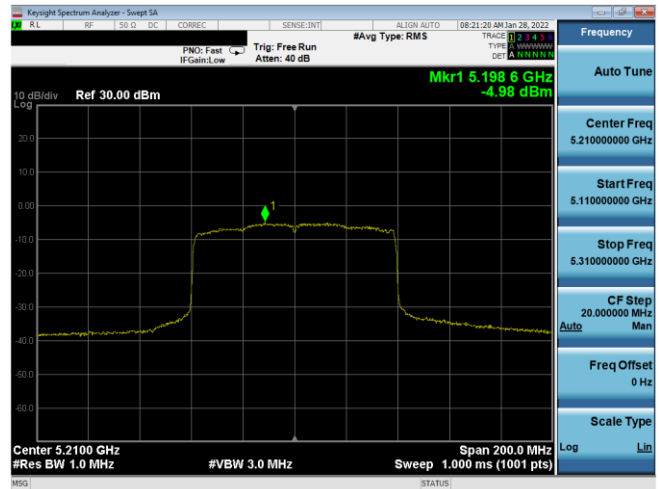
Plot 7-470. ISED PSD Antenna 3A (20MHz BW 11ax(SU) – Ch.40, MCS0)



Plot 7-473. ISED PSD Antenna 3A (80MHz BW 11ac – Ch.42, MCS0)



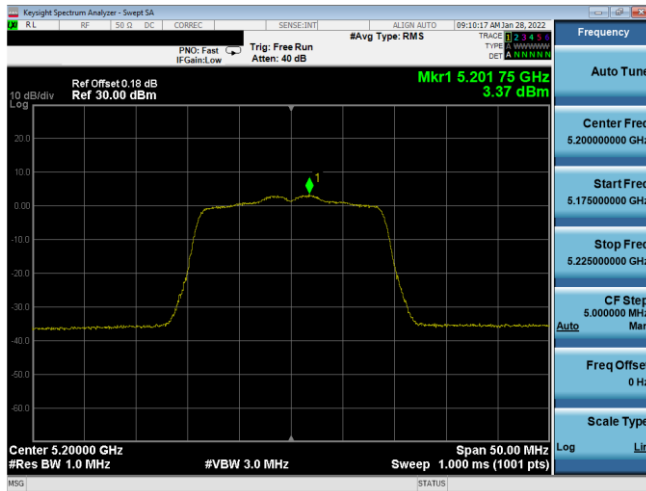
Plot 7-471. ISED PSD Antenna 3A (40MHz BW 11n – Ch.46, MCS0)



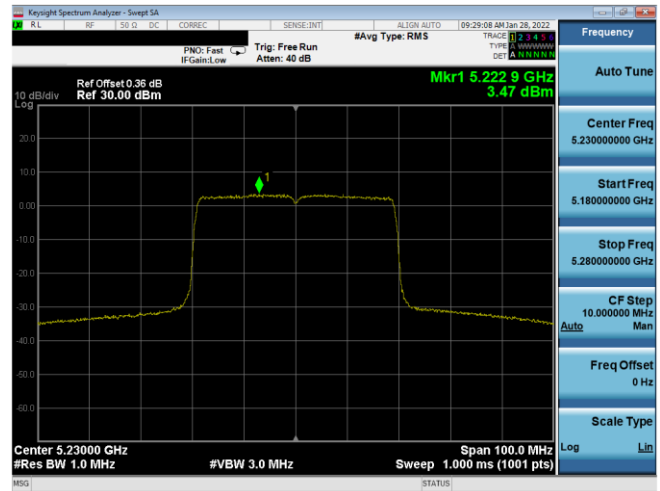
Plot 7-474. ISED PSD Antenna 3A (80MHz BW 11ax (SU) – Ch.42, MCS0)

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 182 of 564

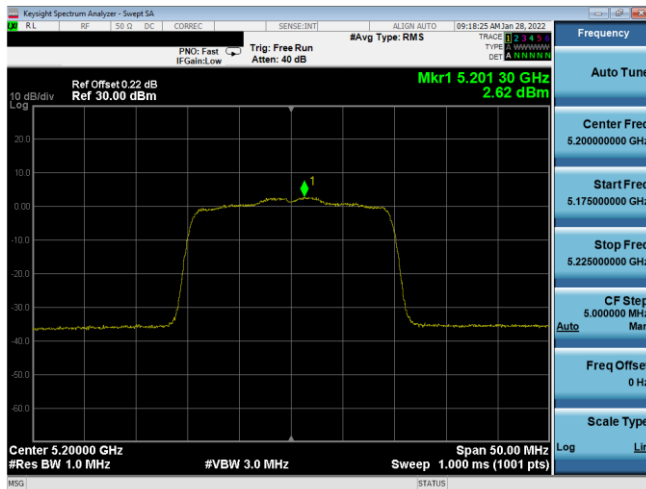
Mid Data Rate



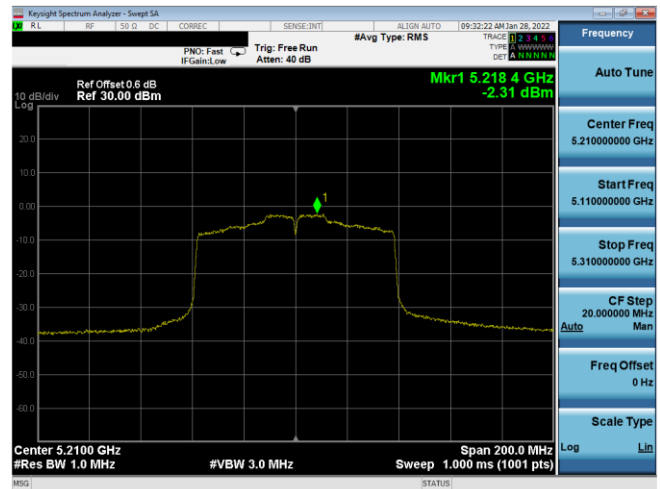
Plot 7-475. ISSED PSD Antenna 3A (20MHz BW 11n – Ch.40, MCS3)



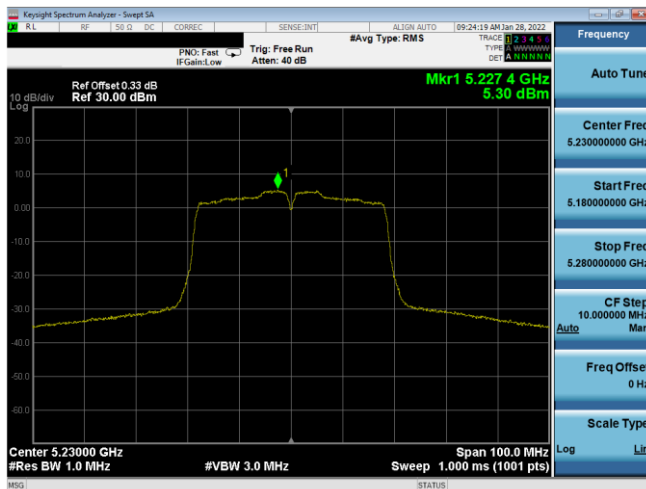
Plot 7-478. ISSED PSD Antenna 3A (40MHz BW 11ax(SU) – Ch.46, MCS3)



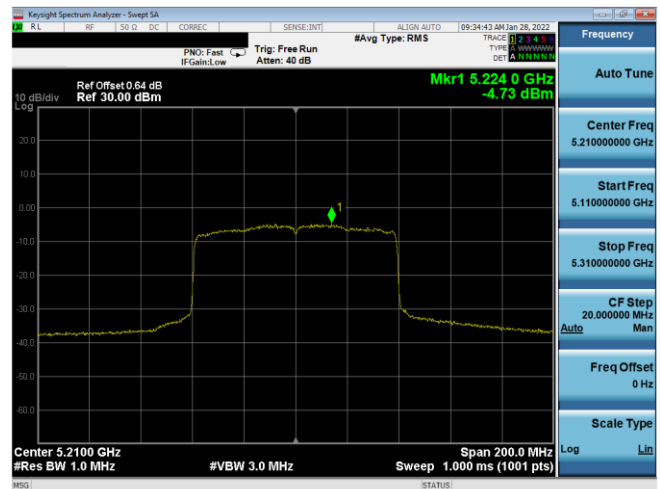
Plot 7-476. ISSED PSD Antenna 3A (20MHz BW 11ax(SU) – Ch.40, MCS3)



Plot 7-479. ISSED PSD Antenna 3A (80MHz BW 11ac – Ch.42, MCS3)



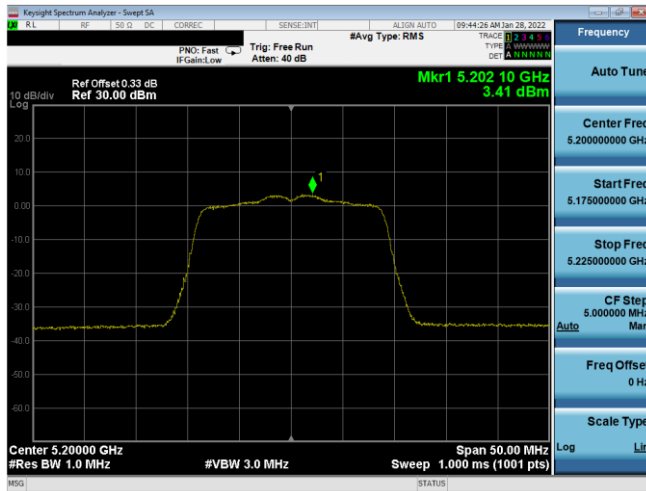
Plot 7-477. ISSED PSD Antenna 3A (40MHz BW 11n – Ch.46, MCS3)



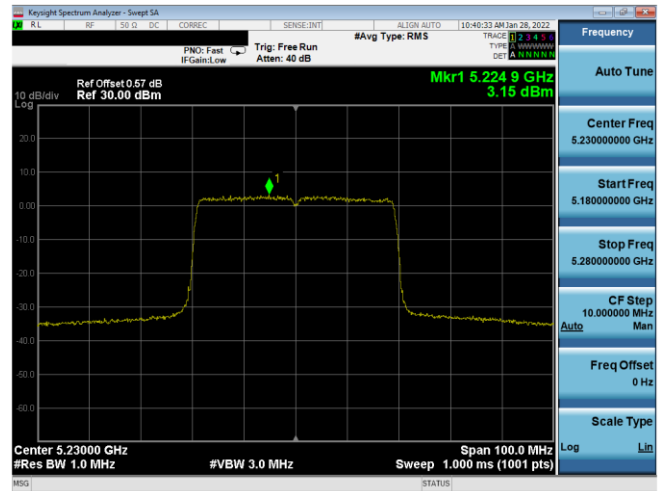
Plot 7-480. ISSED PSD Antenna 3A (80MHz BW 11ax (SU) – Ch.42, MCS3)

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 183 of 564

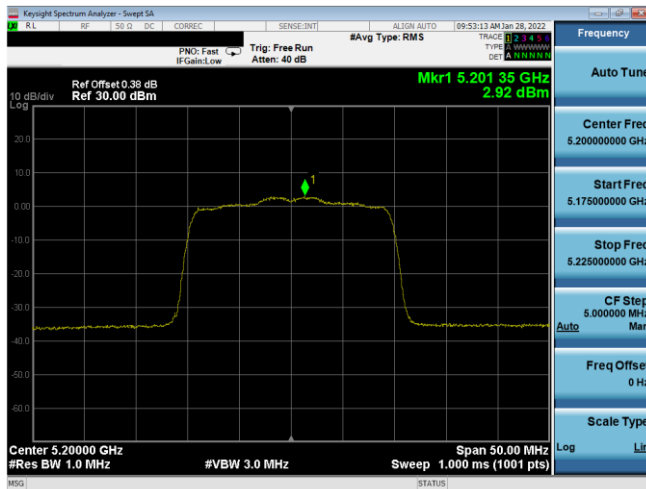
High Data Rate



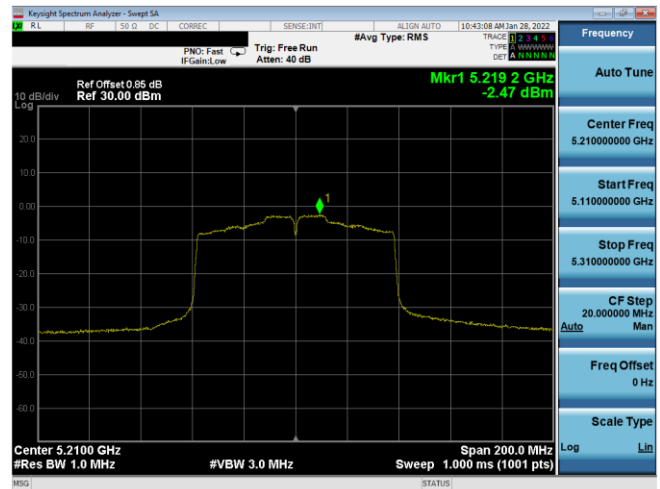
Plot 7-481. ISSED PSD Antenna 3A (20MHz BW 11n – Ch.40, MCS5)



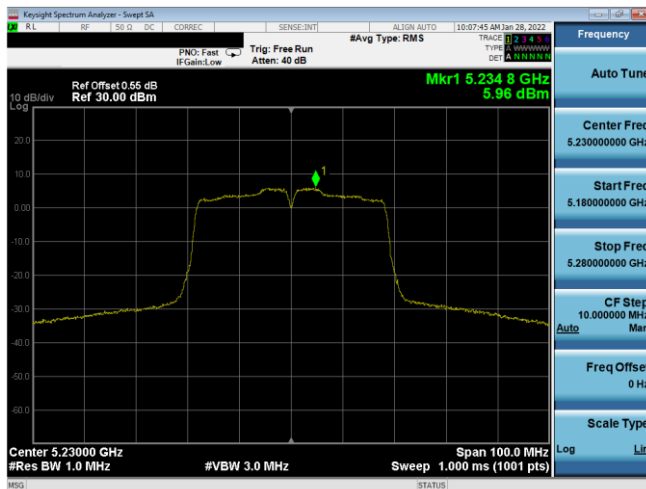
Plot 7-484. ISSED PSD Antenna 3A (40MHz BW 11ax(SU) – Ch.46, MCS5)



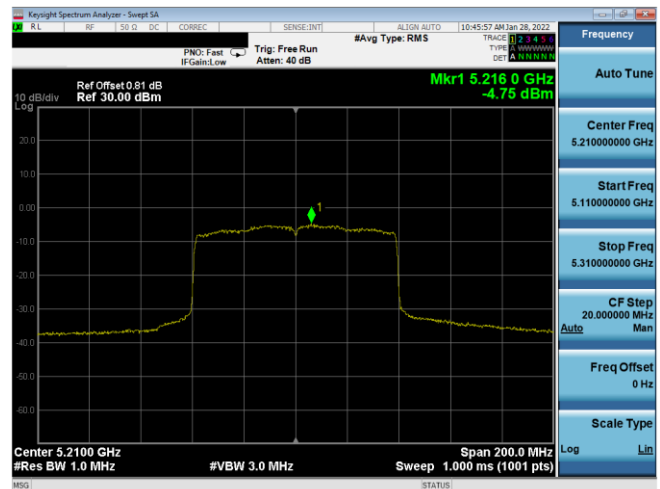
Plot 7-482. ISSED PSD Antenna 3A (20MHz BW 11ax(SU) – Ch.40, MCS5)



Plot 7-485. ISSED PSD Antenna 3A (80MHz BW 11ac – Ch.42, MCS5)



Plot 7-483. ISSED PSD Antenna 3A (40MHz BW 11n – Ch.46, MCS5)



Plot 7-486. ISSED PSD Antenna 3A (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 184 of 564

7.5.4 Summed CDD/SDM Primary Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 2B Power Density [dBm/MHz]	Antenna 1B Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	CDD	13/14.4 (MCS8)	3.28	3.58	6.44	11.0	-4.56
	5200	40	n (20MHz)	CDD	13/14.4 (MCS8)	3.40	3.90	6.67	11.0	-4.33
	5240	48	n (20MHz)	CDD	13/14.4 (MCS8)	3.50	3.90	6.72	11.0	-4.28
	5180	36	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.30	2.76	6.05	11.0	-4.95
	5200	40	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.16	3.08	6.13	11.0	-4.87
	5240	48	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.27	2.93	6.12	11.0	-4.88
	5190	38	n (40MHz)	CDD	27/30 (MCS8)	0.82	1.13	3.99	11.0	-7.01
	5230	46	n (40MHz)	CDD	27/30 (MCS8)	4.67	4.76	7.73	11.0	-3.27
	5190	38	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	-1.20	-1.33	1.75	11.0	-9.25
	5230	46	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	2.76	2.95	5.87	11.0	-5.13
	5210	42	ac (80MHz)	CDD	58.5/65 (MCS0)	-1.69	-1.72	1.31	11.0	-9.69
Band 2A	5210	42	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	-4.69	-4.77	-1.72	11.0	-12.72
	5260	52	n (20MHz)	CDD	13/14.4 (MCS8)	4.21	4.01	7.12	11.0	-3.88
	5280	56	n (20MHz)	CDD	13/14.4 (MCS8)	4.33	4.21	7.28	11.0	-3.72
	5320	64	n (20MHz)	CDD	13/14.4 (MCS8)	4.07	4.11	7.10	11.0	-3.90
	5260	52	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.48	3.42	6.46	11.0	-4.54
	5280	56	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.78	3.34	6.58	11.0	-4.42
	5320	64	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.50	3.72	6.62	11.0	-4.38
	5270	54	n (40MHz)	CDD	27/30 (MCS8)	5.25	5.23	8.25	11.0	-2.75
	5310	62	n (40MHz)	CDD	27/30 (MCS8)	1.13	1.35	4.25	11.0	-6.75
	5270	54	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	3.27	3.39	6.34	11.0	-4.66
	5310	62	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	-1.32	-1.15	1.77	11.0	-9.23
Band 2C	5290	58	ac (80MHz)	CDD	58.5/65 (MCS0)	-3.43	-3.65	-0.53	11.0	-11.53
	5290	58	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	-5.24	-5.39	-2.30	11.0	-13.30
	5500	100	n (20MHz)	CDD	13/14.4 (MCS8)	3.77	3.88	6.83	11.0	-4.17
	5580	116	n (20MHz)	CDD	13/14.4 (MCS8)	5.79	5.81	8.81	11.0	-2.19
	5720	144	n (20MHz)	CDD	13/14.4 (MCS8)	5.95	6.41	9.20	11.0	-1.80
	5500	100	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.20	3.15	6.18	11.0	-4.82
	5580	116	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.20	2.95	6.09	11.0	-4.91
	5720	144	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	3.43	3.28	6.37	11.0	-4.63
	5510	102	n (40MHz)	CDD	27/30 (MCS8)	0.49	0.37	3.44	11.0	-7.56
	5550	110	n (40MHz)	CDD	27/30 (MCS8)	4.95	4.85	7.91	11.0	-3.09
	5710	142	n (40MHz)	CDD	27/30 (MCS8)	4.65	5.07	7.88	11.0	-3.12
	5510	102	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	-1.88	-2.15	1.00	11.0	-10.00
	5550	110	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	3.27	3.03	6.16	11.0	-4.84
	5710	142	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	2.98	3.35	6.18	11.0	-4.82
	5530	106	ac (80MHz)	CDD	58.5/65 (MCS0)	-3.06	-3.27	-0.15	11.0	-11.15
	5610	*122	ac (80MHz)	CDD	58.5/65 (MCS0)	3.82	3.75	6.80	11.0	-4.20
	5690	138	ac (80MHz)	CDD	58.5/65 (MCS0)	1.95	2.49	5.24	11.0	-5.76
	5530	106	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	-4.95	-5.73	-2.31	11.0	-13.31
	5610	*122	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	1.53	0.98	4.27	11.0	-6.73
	5690	138	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	1.27	1.47	4.38	11.0	-6.62

Table 7-185. Bands 1, 2A, 2C CDD Primary Power Spectral Density Measurements (Low Data Rate)

*TDWR channel is not supported for ISED (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 185 of 564

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 2B Power Density [dBm/MHz]	Antenna 1B Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	CDD	52/57.8 (MCS11)	3.77	4.38	7.09	11.0	-3.91
	5200	40	n (20MHz)	CDD	52/57.8 (MCS11)	3.91	4.20	7.07	11.0	-3.93
	5240	48	n (20MHz)	CDD	52/57.8 (MCS11)	4.32	4.34	7.34	11.0	-3.66
	5180	36	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.44	3.50	6.48	11.0	-4.52
	5200	40	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.42	3.53	6.49	11.0	-4.51
	5240	48	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.71	3.44	6.59	11.0	-4.41
	5190	38	n (40MHz)	CDD	108/120 (MCS11)	2.19	2.78	5.51	11.0	-5.49
	5230	46	n (40MHz)	CDD	108/120 (MCS11)	5.89	5.65	8.78	11.0	-2.22
	5190	38	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	-1.81	-1.18	1.53	11.0	-9.47
	5230	46	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	5.56	5.65	8.61	11.0	-2.39
	5210	42	ac (80MHz)	CDD	234/260 (MCS3)	-2.47	-2.50	0.52	11.0	-10.48
Band 2A	5210	42	ax (SU) (80MHz)	CDD	272/288.2 (MCS3)	-4.49	-4.82	-1.64	11.0	-12.64
	5260	52	n (20MHz)	CDD	52/57.8 (MCS11)	4.63	4.55	7.60	11.0	-3.40
	5280	56	n (20MHz)	CDD	52/57.8 (MCS11)	4.64	4.62	7.64	11.0	-3.36
	5320	64	n (20MHz)	CDD	52/57.8 (MCS11)	4.46	4.48	7.48	11.0	-3.52
	5260	52	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.96	3.92	6.95	11.0	-4.05
	5280	56	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	4.05	4.00	7.04	11.0	-3.96
	5320	64	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	4.01	4.47	7.26	11.0	-3.74
	5270	54	n (40MHz)	CDD	108/120 (MCS11)	5.67	5.68	8.69	11.0	-2.31
	5310	62	n (40MHz)	CDD	108/120 (MCS11)	0.73	1.38	4.08	11.0	-6.92
	5270	54	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	3.83	3.58	6.72	11.0	-4.28
	5310	62	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	-1.71	-1.77	1.27	11.0	-9.73
Band 2C	5290	58	ac (80MHz)	CDD	234/260 (MCS3)	-3.81	-4.06	-0.92	11.0	-11.92
	5290	58	ax (SU) (80MHz)	CDD	272/288.2 (MCS3)	-5.24	-5.44	-2.33	11.0	-13.33
	5500	100	n (20MHz)	CDD	52/57.8 (MCS11)	4.11	4.23	7.18	11.0	-3.82
	5580	116	n (20MHz)	CDD	52/57.8 (MCS11)	4.19	4.30	7.25	11.0	-3.75
	5720	144	n (20MHz)	CDD	52/57.8 (MCS11)	4.50	4.55	7.53	11.0	-3.47
	5500	100	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.97	3.90	6.94	11.0	-4.06
	5580	116	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.85	3.65	6.76	11.0	-4.24
	5720	144	ax (SU) (20MHz)	CDD	66/68.8 (MCS3)	3.85	4.15	7.01	11.0	-3.99
	5510	102	n (40MHz)	CDD	108/120 (MCS11)	-0.48	-0.20	2.67	11.0	-8.33
	5550	110	n (40MHz)	CDD	108/120 (MCS11)	5.37	5.37	8.38	11.0	-2.62
	5710	142	n (40MHz)	CDD	108/120 (MCS11)	5.11	5.30	8.22	11.0	-2.78
	5510	102	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	-2.61	-2.58	0.42	11.0	-10.58
	5550	110	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	2.94	2.80	5.88	11.0	-5.12
	5710	142	ax (SU) (40MHz)	CDD	130/137.6 (MCS3)	3.52	3.62	6.58	11.0	-4.42
	5530	106	ac (80MHz)	CDD	234/260 (MCS3)	-3.60	-3.97	-0.77	11.0	-11.77
	5610	*122	ac (80MHz)	CDD	234/260 (MCS3)	3.55	3.07	6.33	11.0	-4.67
	5690	138	ac (80MHz)	CDD	234/260 (MCS3)	2.54	2.77	5.67	11.0	-5.33
	5530	106	ax (SU) (80MHz)	CDD	272/288.2 (MCS3)	-5.16	-5.78	-2.45	11.0	-13.45
	5610	*122	ax (SU) (80MHz)	CDD	272/288.2 (MCS3)	1.35	1.15	4.26	11.0	-6.74
	5690	138	ax (SU) (80MHz)	CDD	272/288.2 (MCS3)	1.73	1.63	4.69	11.0	-6.31

Table 7-186. Bands 1, 2A, 2C CDD Primary Power Spectral Density Measurements (Mid Data Rate)

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

FCC ID: BCGA2589 IC: 579C-A2589		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 186 of 564

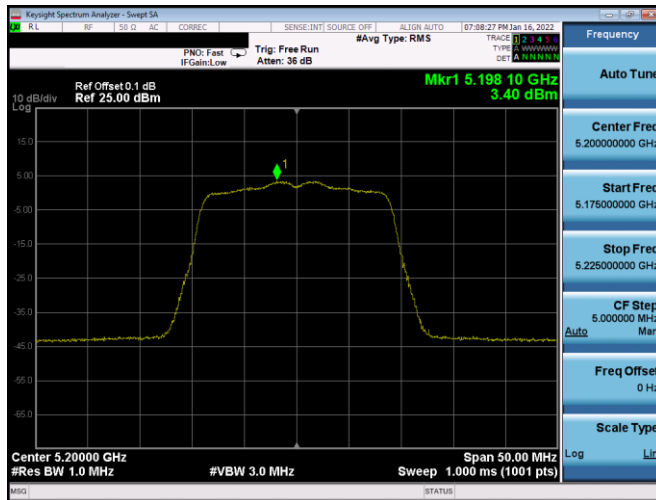
	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 2B Power Density [dBm/MHz]	Antenna 1B Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	CDD	104/115.6 (MCS13)	5.17	4.43	7.83	11.0	-3.17
	5200	40	n (20MHz)	CDD	104/115.6 (MCS13)	5.41	5.51	8.47	11.0	-2.53
	5240	48	n (20MHz)	CDD	104/115.6 (MCS13)	5.22	5.89	8.58	11.0	-2.42
	5180	36	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	4.58	4.85	7.73	11.0	-3.27
	5200	40	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	4.88	4.98	7.94	11.0	-3.06
	5240	48	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	4.96	5.26	8.12	11.0	-2.88
	5190	38	n (40MHz)	CDD	216/240 (MCS13)	-2.40	-2.33	0.65	11.0	-10.35
	5230	46	n (40MHz)	CDD	216/240 (MCS13)	6.55	6.76	9.67	11.0	-1.33
	5190	38	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	-2.61	-2.91	0.25	11.0	-10.75
	5230	46	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	2.71	2.74	5.74	11.0	-5.26
	5210	42	ac (80MHz)	CDD	468/520 (MCS5)	-4.40	-4.73	-1.55	11.0	-12.55
Band 2A	5210	42	ax (SU) (80MHz)	CDD	574/576.5 (MCS5)	-5.44	-5.47	-2.45	11.0	-13.45
	5260	52	n (20MHz)	CDD	104/115.6 (MCS13)	5.21	5.68	8.46	11.0	-2.54
	5280	56	n (20MHz)	CDD	104/115.6 (MCS13)	5.54	5.72	8.64	11.0	-2.36
	5320	64	n (20MHz)	CDD	104/115.6 (MCS13)	5.59	4.59	8.13	11.0	-2.87
	5260	52	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	5.26	5.50	8.39	11.0	-2.61
	5280	56	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	5.09	5.42	8.26	11.0	-2.74
	5320	64	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	5.10	5.44	8.29	11.0	-2.71
	5270	54	n (40MHz)	CDD	216/240 (MCS13)	3.98	4.16	7.08	11.0	-3.92
	5310	62	n (40MHz)	CDD	216/240 (MCS13)	-1.80	-1.41	1.41	11.0	-9.59
	5270	54	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	3.19	3.22	6.22	11.0	-4.78
	5310	62	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	-2.78	-2.45	0.40	11.0	-10.60
Band 2C	5290	58	ac (80MHz)	CDD	468/520 (MCS5)	-6.04	-6.51	-3.26	11.0	-14.26
	5290	58	ax (SU) (80MHz)	CDD	574/576.5 (MCS5)	-5.80	-6.24	-3.00	11.0	-14.00
	5500	100	n (20MHz)	CDD	104/115.6 (MCS13)	5.00	5.18	8.10	11.0	-2.90
	5580	116	n (20MHz)	CDD	104/115.6 (MCS13)	5.33	5.24	8.30	11.0	-2.70
	5720	144	n (20MHz)	CDD	104/115.6 (MCS13)	5.25	5.54	8.41	11.0	-2.59
	5500	100	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	3.95	4.60	7.30	11.0	-3.70
	5580	116	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	5.08	4.98	8.04	11.0	-2.96
	5720	144	ax (SU) (20MHz)	CDD	130/137.6 (MCS5)	4.94	5.21	8.09	11.0	-2.91
	5510	102	n (40MHz)	CDD	216/240 (MCS13)	-3.38	-3.46	-0.41	11.0	-11.41
	5550	110	n (40MHz)	CDD	216/240 (MCS13)	3.21	3.15	6.19	11.0	-4.81
	5710	142	n (40MHz)	CDD	216/240 (MCS13)	3.53	3.45	6.50	11.0	-4.50
	5510	102	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	-4.15	-4.05	-1.09	11.0	-12.09
	5550	110	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	1.92	2.18	5.06	11.0	-5.94
	5710	142	ax (SU) (40MHz)	CDD	260/275.3 (MCS5)	2.86	3.19	6.04	11.0	-4.96
	5530	106	ac (80MHz)	CDD	468/520 (MCS5)	-5.77	-6.45	-3.09	11.0	-14.09
	5610	*122	ac (80MHz)	CDD	468/520 (MCS5)	1.50	1.24	4.38	11.0	-6.62
	5690	138	ac (80MHz)	CDD	468/520 (MCS5)	1.45	1.24	4.36	11.0	-6.64
	5530	106	ax (SU) (80MHz)	CDD	574/576.5 (MCS5)	-6.15	-6.71	-3.41	11.0	-14.41
	5610	*122	ax (SU) (80MHz)	CDD	574/576.5 (MCS5)	0.44	0.10	3.29	11.0	-7.71
	5690	138	ax (SU) (80MHz)	CDD	574/576.5 (MCS5)	1.35	1.72	4.55	11.0	-6.45

Table 7-187. Bands 1, 2A, 2C CDD Primary Power Spectral Density Measurements (High Data Rate)

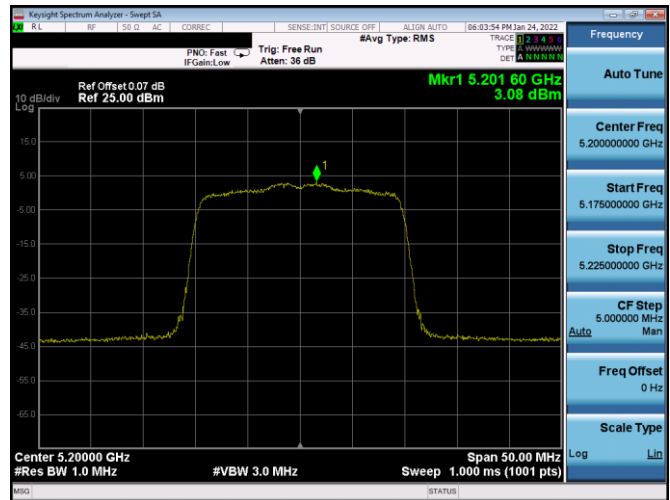
*TDWR channel is not supported for ISSED (denoted by a * next to the frequency)

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 187 of 564

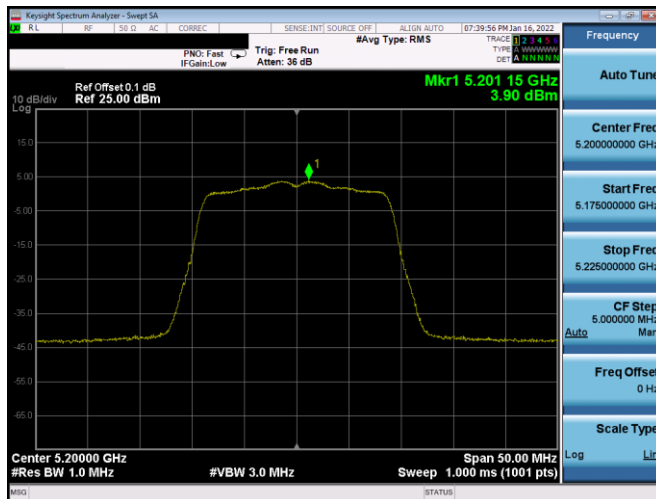
Low Data Rate



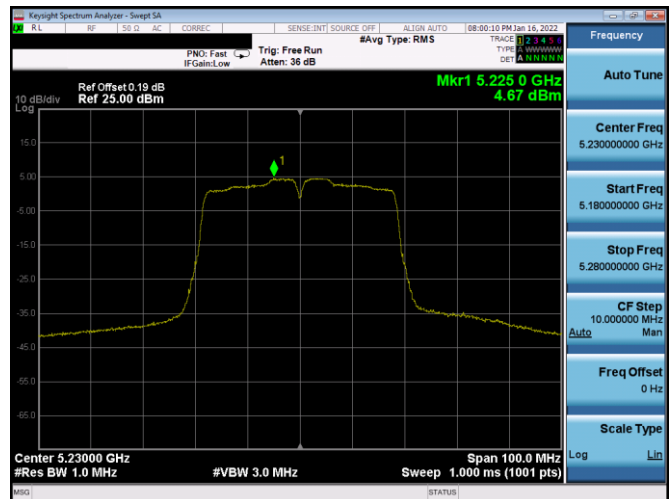
Plot 7-487. PSD CDD Primary Antenna 2B (20MHz BW 802.11n - Ch. 40, MCS8)



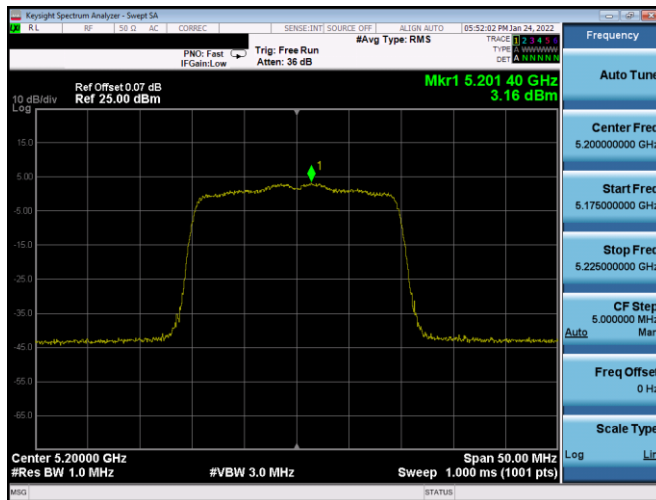
Plot 7-490. PSD CDD Antenna 1B (20MHz BW 802.11ax(SU) - Ch. 40, MCS9)



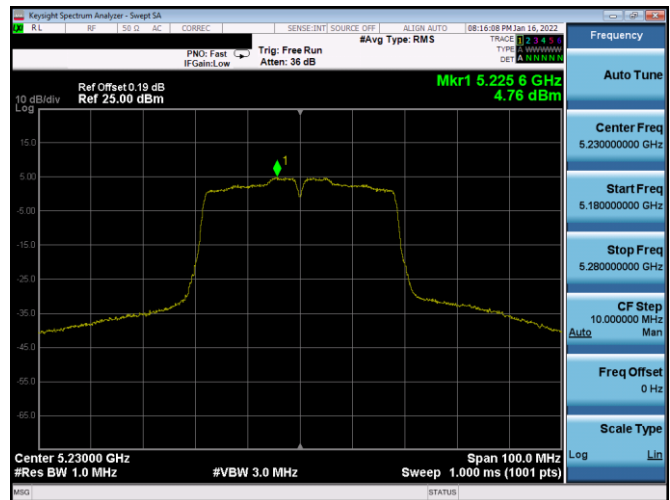
Plot 7-488. PSD CDD Primary Antenna 1B (20MHz BW 802.11n - Ch. 40, MCS8)



Plot 7-491. PSD CDD Primary Antenna 2B (40MHz BW 802.11n - Ch. 46, MCS8)



Plot 7-489. PSD CDD Primary Antenna 2B (20MHz BW 802.11ax(SU) - Ch. 40, MCS9)



Plot 7-492. PSD CDD Primary Antenna 1B (40MHz BW 802.11n - Ch. 46, MCS8)

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 188 of 564