Plot 7-445. PSD Antenna 1b (20MHz BW 802.11n – Ch. 116, MCS7)
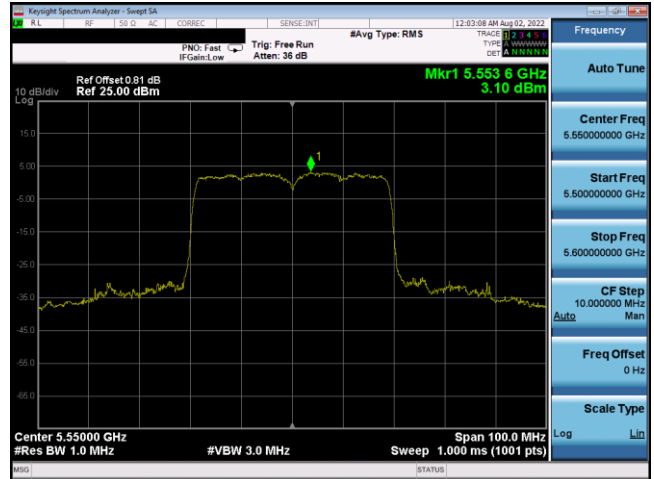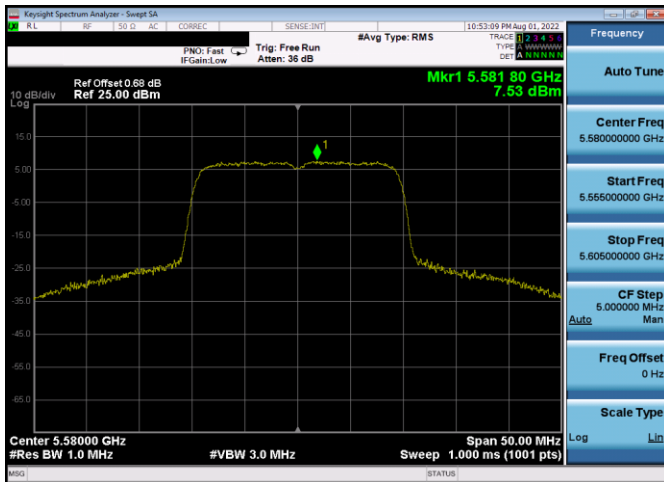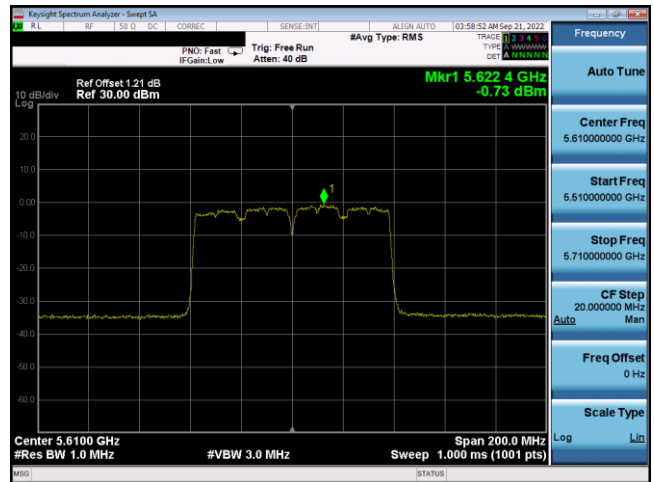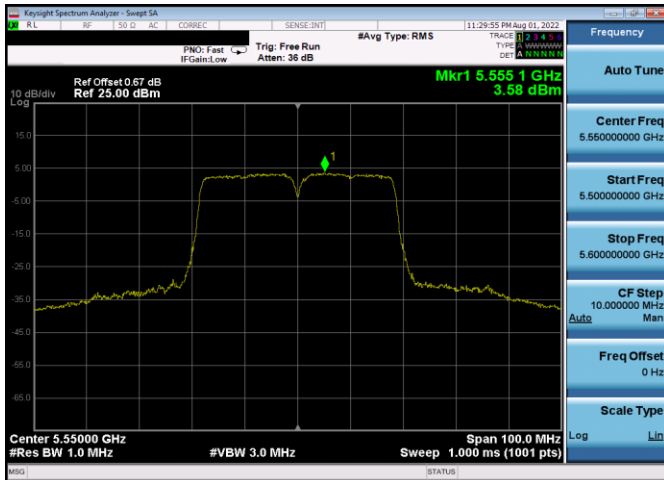

Plot 7-448. PSD Antenna 1b (40MHz BW 802.11ax(SU) – Ch. 110, MCS11)

Plot 7-446. PSD Antenna 1b (20MHz BW 802.11ax(SU) – Ch. 116, MCS11)

Plot 7-449. PSD Antenna 1b (80MHz BW 802.11ac – Ch. 122, MCS9)

Plot 7-447. PSD Antenna 1b (40MHz BW 802.11n – Ch. 110, MCS7)
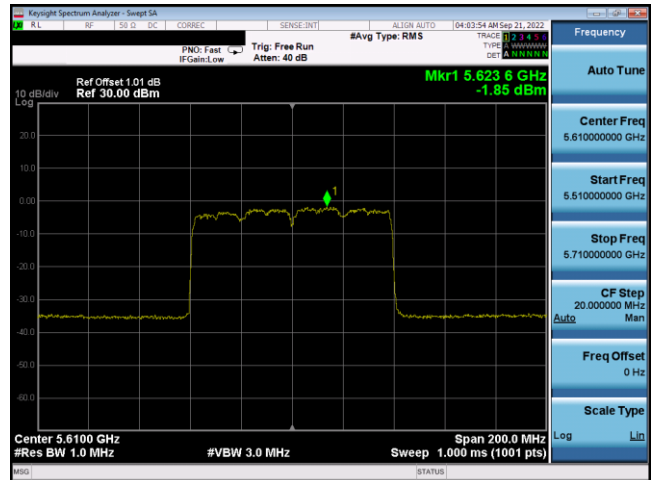
Plot 7-450. PSD Antenna 1b (80MHz BW 802.11ax(SU) – Ch. 122, MCS11)

FCC ID: BCGA2757 **IC:** 579C-A2757	element	**MEASUREMENT REPORT (CERTIFICATION)**	**Approved by:** Technical Manager
Test Report S/N: 1C2205090023-16.BCG	**Test Dates:** 08/02/2022 – 09/14/2022	**EUT Type:** Tablet Device	Page 176 of 534

Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
5745	149	n (20MHz)	6.5/7.2 (MCS0)	5.66	30.0	-24.34
5785	157	n (20MHz)	6.5/7.2 (MCS0)	5.53	30.0	-24.47
5825	165	n (20MHz)	6.5/7.2 (MCS0)	5.69	30.0	-24.31
5745	149	ax (SU) (20MHz)	8/8.6 (MCS0)	4.98	30.0	-25.02
5785	157	ax (SU) (20MHz)	8/8.6 (MCS0)	5.12	30.0	-24.88
5825	165	ax (SU) (20MHz)	8/8.6 (MCS0)	5.39	30.0	-24.61
5755	151	n (40MHz)	13.5/15 (MCS0)	1.87	30.0	-28.13
5795	159	n (40MHz)	13.5/15 (MCS0)	1.83	30.0	-28.17
5755	151	ax (SU) (40MHz)	16/17.2 (MCS0)	0.43	30.0	-29.57
5795	159	ax (SU) (40MHz)	16/17.2 (MCS0)	0.67	30.0	-29.33
5775	155	ac (80MHz)	29.3/32.5 (MCS0)	-1.53	30.0	-31.53
5775	155	ax (SU) (80MHz)	34/36 (MCS0)	-3.02	30.0	-33.02

Table 7-179. Band 3 Power Spectral Density Measurements Antenna 1b (Low Data Rate)

Band 3 (row label spanning all data rows of the first table)

Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
5745	149	n (20MHz)	39/43.3 (MCS4)	6.34	30.0	-23.66
5785	157	n (20MHz)	39/43.3 (MCS4)	6.10	30.0	-23.90
5825	165	n (20MHz)	39/43.3 (MCS4)	6.12	30.0	-23.88
5745	149	ax (SU) (20MHz)	49/51.6 (MCS4)	5.78	30.0	-24.22
5785	157	ax (SU) (20MHz)	49/51.6 (MCS4)	5.61	30.0	-24.39
5825	165	ax (SU) (20MHz)	49/51.6 (MCS4)	5.98	30.0	-24.02
5755	151	n (40MHz)	81/90 (MCS4)	2.55	30.0	-27.45
5795	159	n (40MHz)	81/90 (MCS4)	2.33	30.0	-27.67
5755	151	ax (SU) (40MHz)	98/103.2 (MCS4)	1.27	30.0	-28.73
5795	159	ax (SU) (40MHz)	98/103.2 (MCS4)	1.56	30.0	-28.44
5775	155	ac (80MHz)	175.5/195 (MCS4)	-1.27	30.0	-31.27
5775	155	ax (SU) (80MHz)	204/216.2 (MCS4)	-2.74	30.0	-32.74

Table 7-180. Band 3 Power Spectral Density Measurements Antenna 1b (Mid Data Rate)

Band 3 (row label spanning all data rows of the second table)

| FCC ID: BCGA2757 IC: 579C-A2757	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090023-16.BCG	Test Dates: 08/02/2022 – 09/14/2022	EUT Type: Tablet Device	Page 177 of 534

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	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)	65/72.2 (MCS7)	4.98	30.0	-25.02
	5785	157	n (20MHz)	65/72.2 (MCS7)	4.71	30.0	-25.29
	5825	165	n (20MHz)	65/72.2 (MCS7)	5.25	30.0	-24.75
	5745	149	ax (SU) (20MHz)	135/143.4 (MCS11)	4.96	30.0	-25.04
	5785	157	ax (SU) (20MHz)	135/143.4 (MCS11)	4.82	30.0	-25.18
	5825	165	ax (SU) (20MHz)	135/143.4 (MCS11)	5.40	30.0	-24.60
	5755	151	n (40MHz)	135/150 (MCS7)	1.60	30.0	-28.40
	5795	159	n (40MHz)	135/150 (MCS7)	1.48	30.0	-28.52
	5755	151	ax (SU) (40MHz)	271/286.8 (MCS11)	1.58	30.0	-28.42
	5795	159	ax (SU) (40MHz)	271/286.8 (MCS11)	1.57	30.0	-28.43
	5775	155	ac (80MHz)	390/433.3 (MCS9)	-2.38	30.0	-32.38
	5775	155	ax (SU) (80MHz)	567/600.5 (MCS11)	-2.83	30.0	-32.83

**Table 7-181. Band 3 Power Spectral Density Measurements Antenna 1b (High Data Rate)**

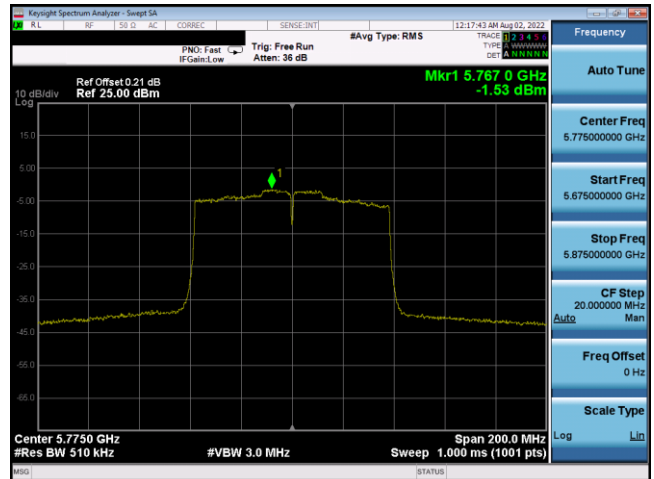| FCC ID: BCGA2757 IC: 579C-A2757	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090023-16.BCG	Test Dates: 08/02/2022 – 09/14/2022	EUT Type: Tablet Device	Page 178 of 534

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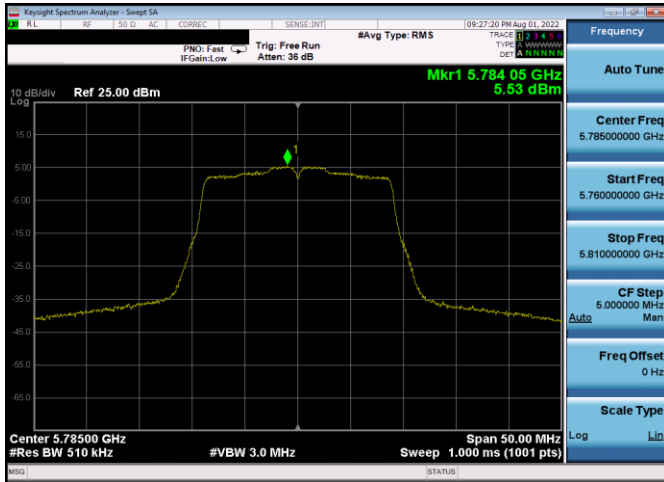
Plot 7-451. PSD Antenna 1b (20MHz BW 802.11n – Ch. 157, MCS0)
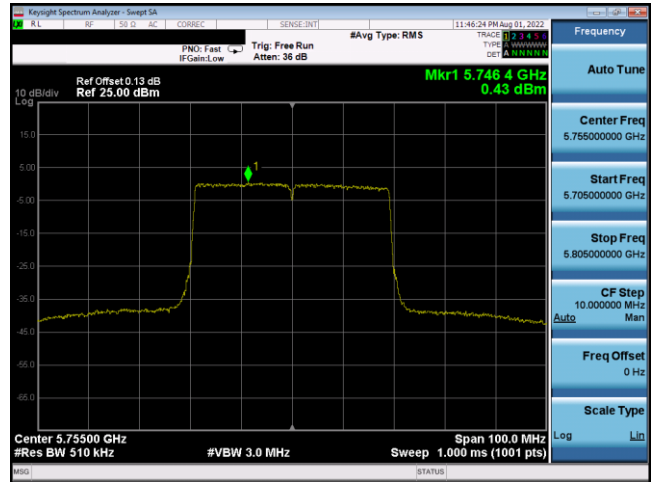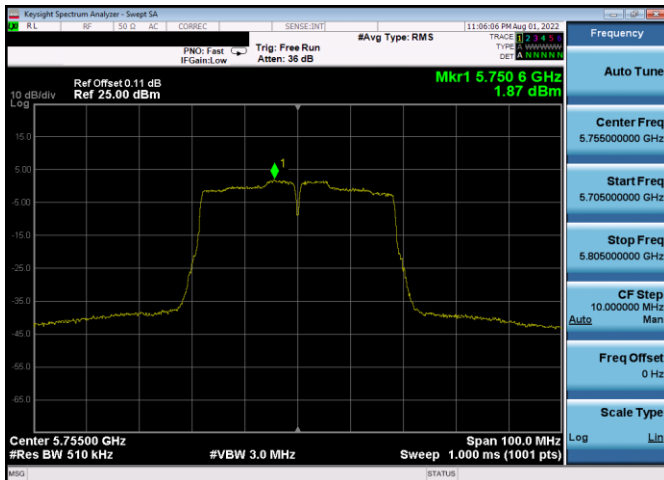

Plot 7-454. PSD Antenna 1b (40MHz BW 802.11ax(SU) – Ch. 151, MCS0)
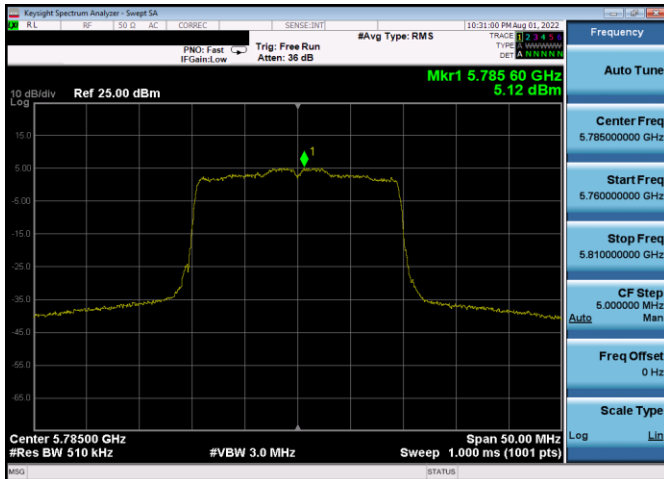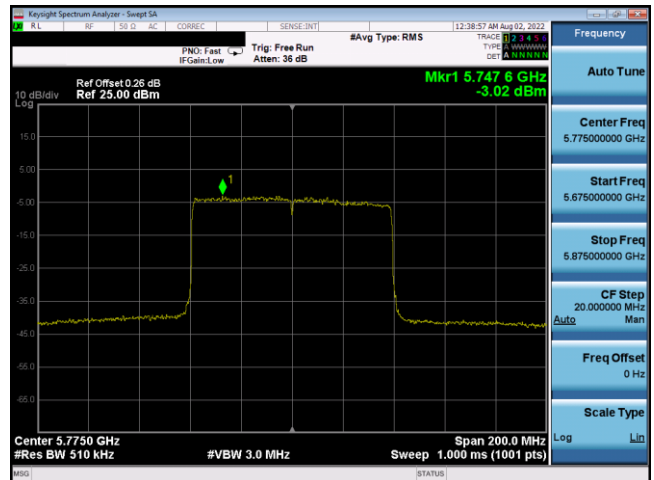

Plot 7-452. PSD Antenna 1b (20MHz BW 802.11ax(SU) – Ch. 157, MCS0)

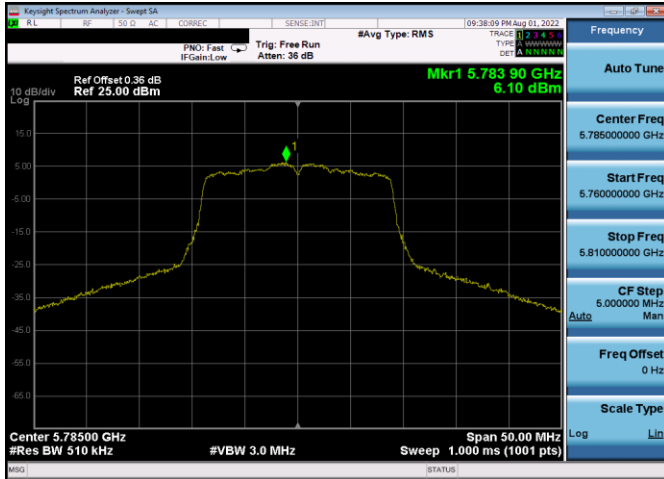**Plot 7-455. PSD Antenna 1b (80MHz BW 802.11ac – Ch. 155, MCS0)**

Plot 7-453. PSD Antenna 1b (40MHz BW 802.11n – Ch. 151, MCS0)

Plot 7-456. PSD Antenna 1b (80MHz BW 802.11ac – Ch. 155, MCS0)

FCC ID: BCGA2757 **IC:** 579C-A2757	element	**MEASUREMENT REPORT** **(CERTIFICATION)**	**Approved by:** Technical Manager
Test Report S/N: 1C2205090023-16.BCG	**Test Dates:** 08/02/2022 – 09/14/2022	**EUT Type:** Tablet Device	Page 179 of 534

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Plot 7-457. PSD Antenna 1b (20MHz BW 802.11n – Ch. 157, MCS4)

Plot 7-460. PSD Antenna 1b (40MHz BW 802.11ax(SU) – Ch. 151, MCS4)

Plot 7-458. PSD Antenna 1b (20MHz BW 802.11ax(SU) – Ch. 157, MCS4)

Plot 7-461. PSD Antenna 1b (80MHz BW 802.11ac – Ch. 155, MCS4)

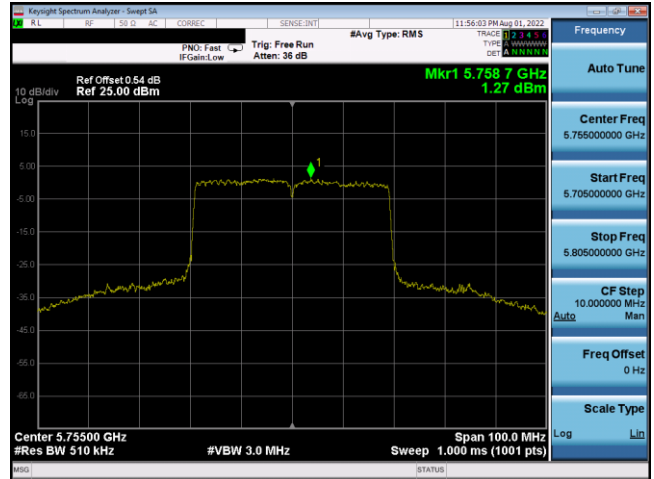**Plot 7-459. PSD Antenna 1b (40MHz BW 802.11n – Ch. 151, MCS4)**

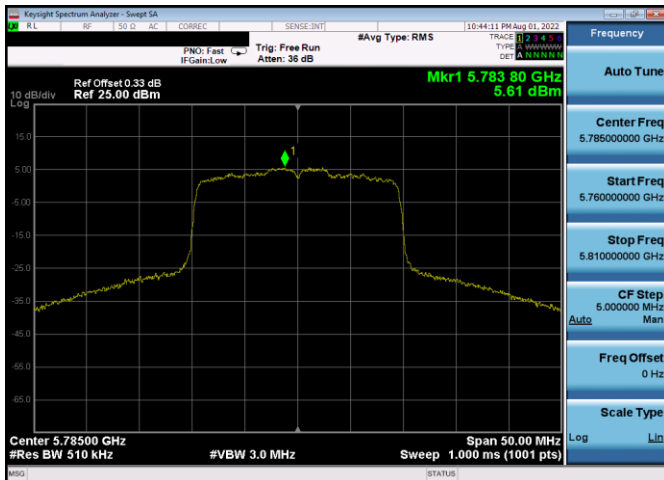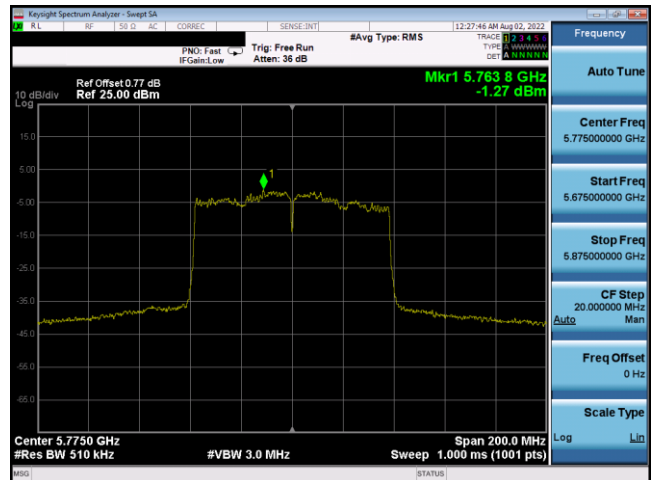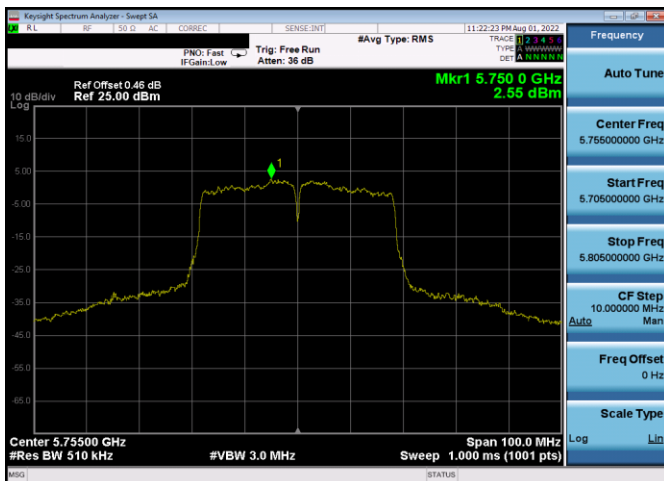**Plot 7-462. PSD Antenna 1b (80MHz BW 802.11ax(SU) – Ch. 155, MCS4)**

FCC ID: BCGA2757 IC: 579C-A2757	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-463. PSD Antenna 1b (20MHz BW 802.11n – Ch. 157, MCS7)

Plot 7-466. PSD Antenna 1b (40MHz BW 802.11ax(SU) – Ch. 151, MCS11)
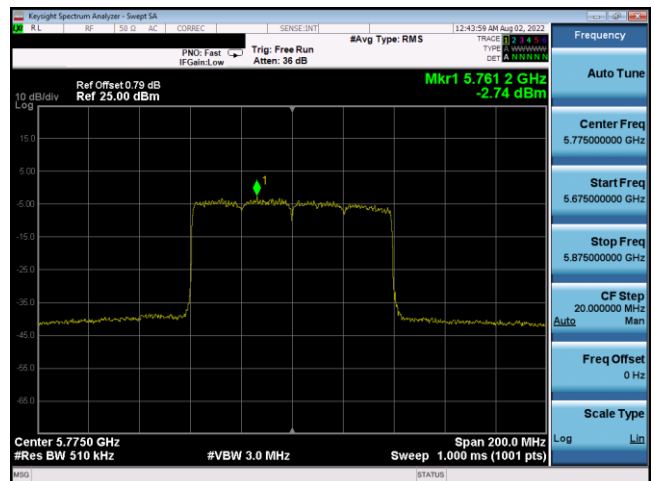

Plot 7-464. PSD Antenna 1b (20MHz BW 802.11ax(SU) – Ch. 157, MCS11)
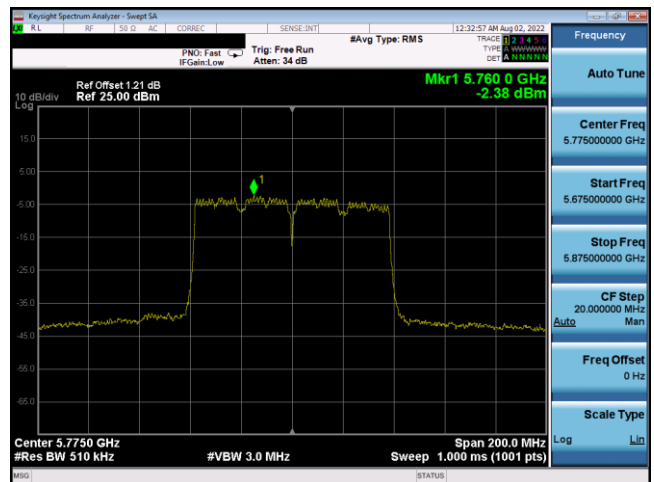
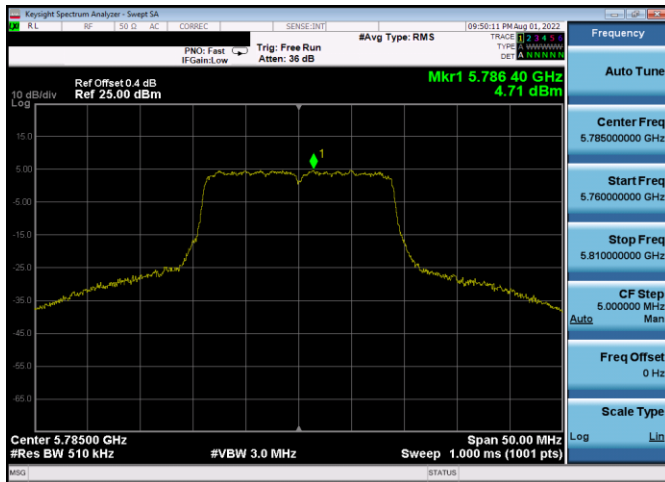**Plot 7-467. PSD Antenna 1b (80MHz BW 802.11ac – Ch. 155, MCS9)**
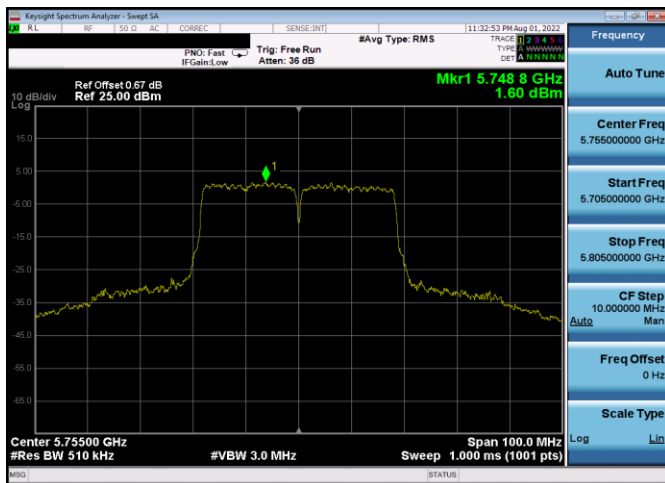
Plot 7-465. PSD Antenna 1b (40MHz BW 802.11n – Ch. 151, MCS7)

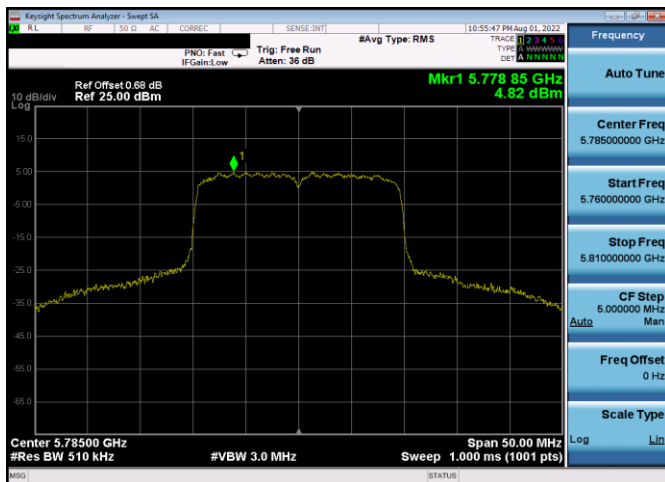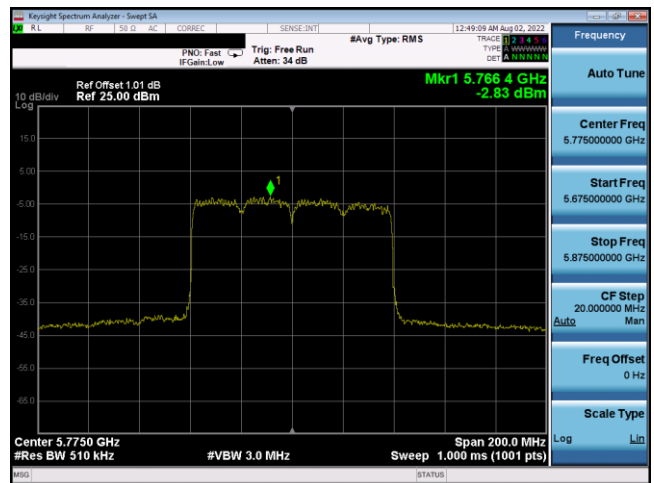**Plot 7-468. PSD Antenna 1b (80MHz BW 802.11ax(SU) – Ch. 155, MCS11)**

FCC ID: BCGA2757 **IC:** 579C-A2757	element	**MEASUREMENT REPORT** **(CERTIFICATION)**	**Approved by:** Technical Manager
Test Report S/N: 1C2205090023-16.BCG	**Test Dates:** 08/02/2022 – 09/14/2022	**EUT Type:** Tablet Device	Page 181 of 534

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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]
5180	36	n (20MHz)	6.5/7.2 (MCS0)	4.36	-1.40	2.96	10.0	-7.04
5200	40	n (20MHz)	6.5/7.2 (MCS0)	3.93	-1.40	2.53	10.0	-7.47
5240	48	n (20MHz)	6.5/7.2 (MCS0)	3.60	-1.40	2.20	10.0	-7.80
5180	36	ax (SU) (20MHz)	8/8.6 (MCS0)	4.09	-1.40	2.69	10.0	-7.31
5200	40	ax (SU) (20MHz)	8/8.6 (MCS0)	3.82	-1.40	2.42	10.0	-7.58
5240	48	ax (SU) (20MHz)	8/8.6 (MCS0)	3.41	-1.40	2.01	10.0	-7.99
5190	38	n (40MHz)	13.5/15 (MCS0)	2.03	-1.40	0.63	10.0	-9.38
5230	46	n (40MHz)	13.5/15 (MCS0)	3.83	-1.40	2.43	10.0	-7.57
5190	38	ax (SU) (40MHz)	16/17.2 (MCS0)	0.12	-1.40	-1.28	10.0	-11.28
5230	46	ax (SU) (40MHz)	16/17.2 (MCS0)	2.28	-1.40	0.88	10.0	-9.12
5210	42	ac (80MHz)	29.3/32.5 (MCS0)	-2.08	-1.40	-3.48	10.0	-13.48
5210	42	ax (SU) (80MHz)	34/36 (MCS0)	-4.77	-1.40	-6.17	10.0	-16.17

Table 7-182. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 1b (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]
5180	36	n (20MHz)	39/43.3 (MCS4)	4.90	-1.40	3.50	10.0	-6.50
5200	40	n (20MHz)	39/43.3 (MCS4)	4.36	-1.40	2.96	10.0	-7.04
5240	48	n (20MHz)	39/43.3 (MCS4)	4.15	-1.40	2.75	10.0	-7.25
5180	36	ax (SU) (20MHz)	49/51.6 (MCS4)	4.21	-1.40	2.81	10.0	-7.19
5200	40	ax (SU) (20MHz)	49/51.6 (MCS4)	4.10	-1.40	2.70	10.0	-7.30
5240	48	ax (SU) (20MHz)	49/51.6 (MCS4)	3.51	-1.40	2.11	10.0	-7.89
5190	38	n (40MHz)	81/90 (MCS4)	1.18	-1.40	-0.22	10.0	-10.22
5230	46	n (40MHz)	81/90 (MCS4)	4.03	-1.40	2.63	10.0	-7.37
5190	38	ax (SU) (40MHz)	98/103.2 (MCS4)	-0.67	-1.40	-2.07	10.0	-12.07
5230	46	ax (SU) (40MHz)	98/103.2 (MCS4)	2.28	-1.40	0.88	10.0	-9.12
5210	42	ac (80MHz)	175.5/195 (MCS4)	-2.50	-1.40	-3.90	10.0	-13.90
5210	42	ax (SU) (80MHz)	204/216.2 (MCS4)	-4.37	-1.40	-5.77	10.0	-15.77

Table 7-183. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 1b (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]
5180	36	n (20MHz)	65/72.2 (MCS7)	3.40	-1.40	2.00	10.0	-8.00
5200	40	n (20MHz)	65/72.2 (MCS7)	3.42	-1.40	2.02	10.0	-7.98
5240	48	n (20MHz)	65/72.2 (MCS7)	3.34	-1.40	1.94	10.0	-8.06
5180	36	ax (SU) (20MHz)	135/143.4 (MCS11)	3.55	-1.40	2.15	10.0	-7.85
5200	40	ax (SU) (20MHz)	135/143.4 (MCS11)	3.12	-1.40	1.72	10.0	-8.28
5240	48	ax (SU) (20MHz)	135/143.4 (MCS11)	3.10	-1.40	1.70	10.0	-8.30
5190	38	n (40MHz)	135/150 (MCS7)	-1.48	-1.40	-2.88	10.0	-12.88
5230	46	n (40MHz)	135/150 (MCS7)	3.41	-1.40	2.01	10.0	-7.99
5190	38	ax (SU) (40MHz)	271/286.8 (MCS11)	-1.78	-1.40	-3.18	10.0	-13.18
5230	46	ax (SU) (40MHz)	271/286.8 (MCS11)	3.28	-1.40	1.88	10.0	-8.12
5210	42	ac (80MHz)	390/433.3 (MCS9)	-3.26	-1.40	-4.66	10.0	-14.66
5210	42	ax (SU) (80MHz)	567/600.5 (MCS11)	-4.13	-1.40	-5.53	10.0	-15.53

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

FCC ID: BCGA2757 **IC:** 579C-A2757	element	**MEASUREMENT REPORT (CERTIFICATION)**	**Approved by:** Technical Manager
Test Report S/N: 1C2205090023-16.BCG	**Test Dates:** 08/02/2022 – 09/14/2022	**EUT Type:** Tablet Device	Page 182 of 534

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Plot 7-469. ISED PSD Antenna 1b (20MHz BW 11n – Ch.40, MCS0)

Plot 7-472. ISED PSD Antenna 1b (40MHz BW 11ax(SU) – Ch.46, MCS0)
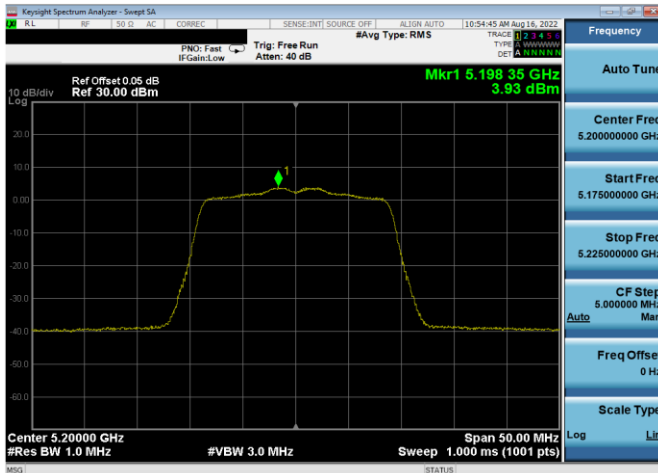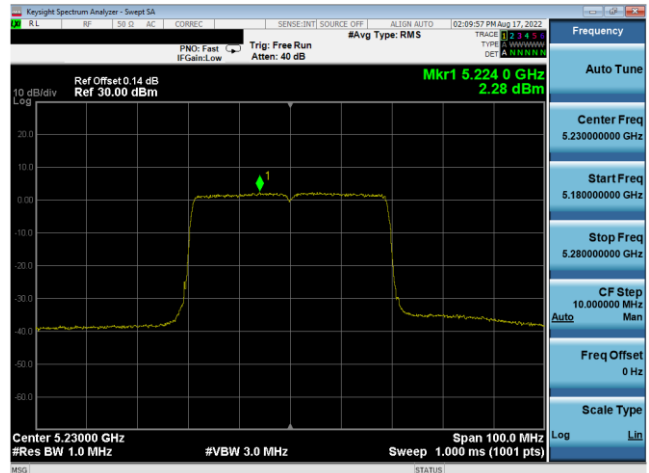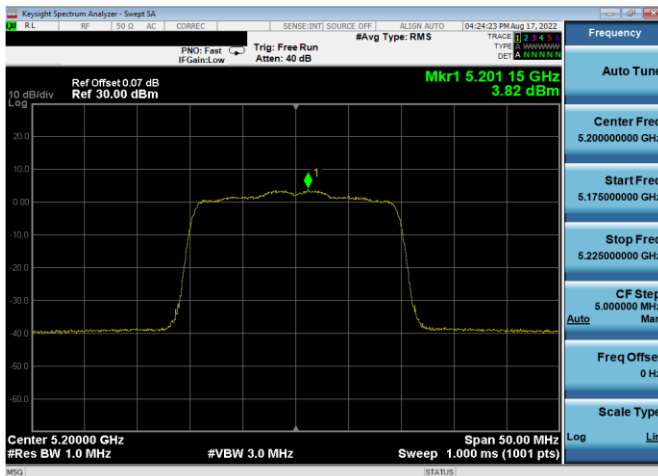

Plot 7-470. ISED PSD Antenna 1b (20MHz BW 11ax(SU) – Ch.40, MCS0)

Plot 7-473. ISED PSD Antenna 1b (80MHz BW 11ac – Ch.42, MCS0)

Plot 7-471. ISED PSD Antenna 1b (40MHz BW 11n – Ch.46, MCS0)

Plot 7-474. ISED PSD Antenna 1b (80MHz BW 11ax (SU) – Ch.42, MCS0)

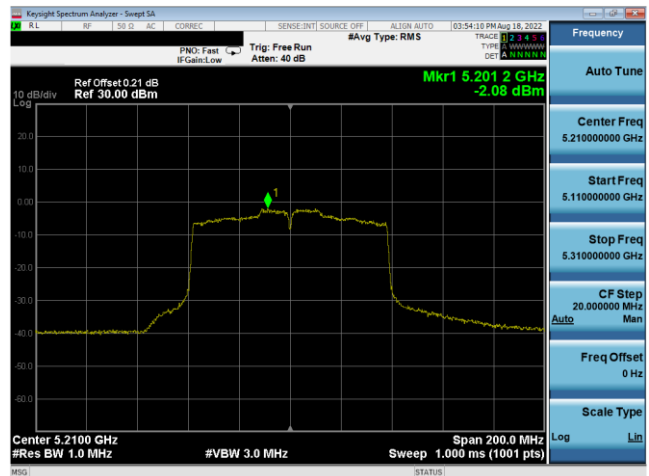| **FCC ID:** BCGA2757 **IC:** 579C-A2757	element	**MEASUREMENT REPORT** **(CERTIFICATION)**	**Approved by:** Technical Manager
Test Report S/N: 1C2205090023-16.BCG	**Test Dates:** 08/02/2022 – 09/14/2022	**EUT Type:** Tablet Device	Page 183 of 534

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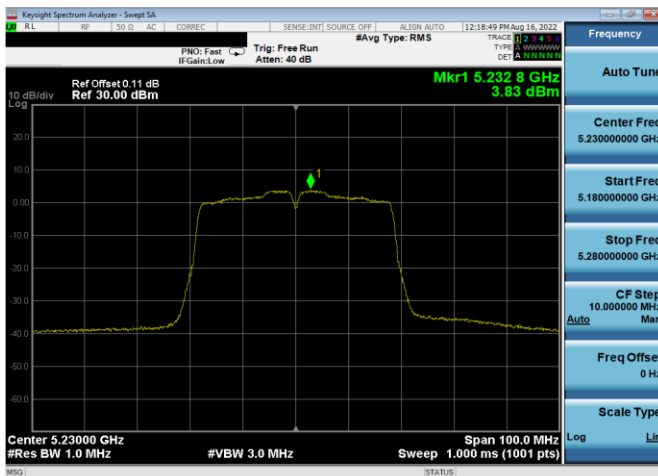**Plot 7-475. ISED PSD Antenna 1b (20MHz BW 11n – Ch.40, MCS4)**

Plot 7-478. ISED PSD Antenna 1b (40MHz BW 11ax(SU) – Ch.46, MCS4)
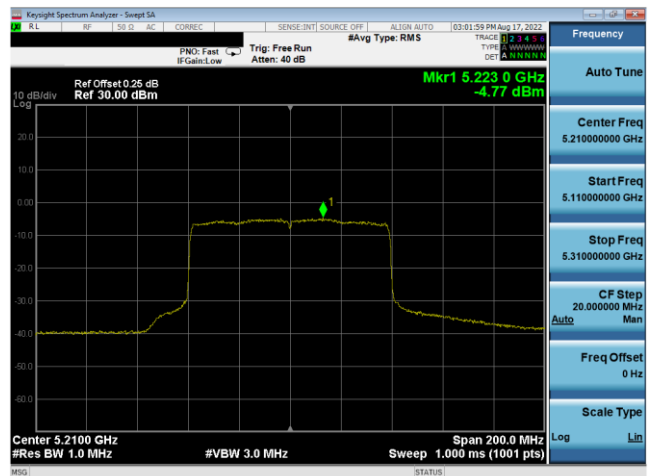

Plot 7-476. ISED PSD Antenna 1b (20MHz BW 11ax(SU) – Ch.40, MCS4)

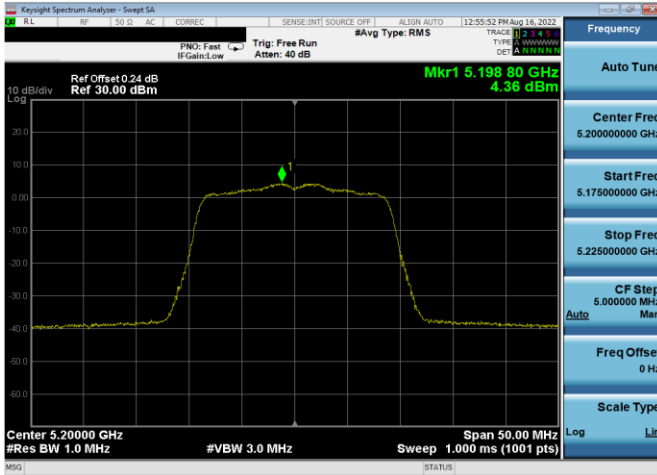**Plot 7-479. ISED PSD Antenna 1b (80MHz BW 11ac – Ch.42, MCS4)**

Plot 7-477. ISED PSD Antenna 1b (40MHz BW 11n – Ch.46, MCS4)
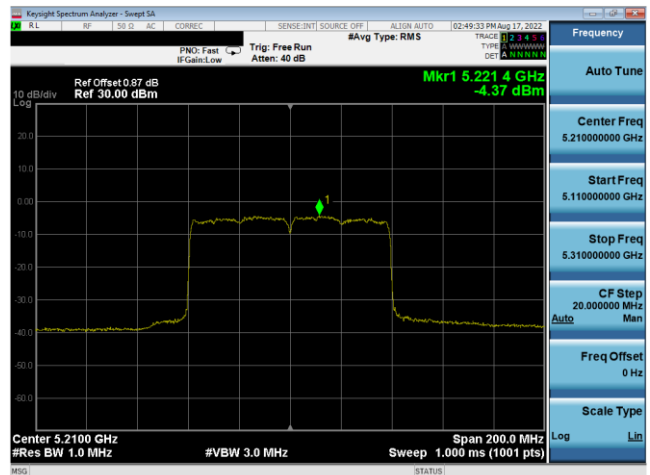
Plot 7-480. ISED PSD Antenna 1b (80MHz BW 11ax (SU) – Ch.42, MCS4)

FCC ID: BCGA2757 **IC:** 579C-A2757	element	MEASUREMENT REPORT (CERTIFICATION)	**Approved by:** Technical Manager
Test Report S/N: 1C2205090023-16.BCG	**Test Dates:** 08/02/2022 – 09/14/2022	**EUT Type:** Tablet Device	Page 184 of 534

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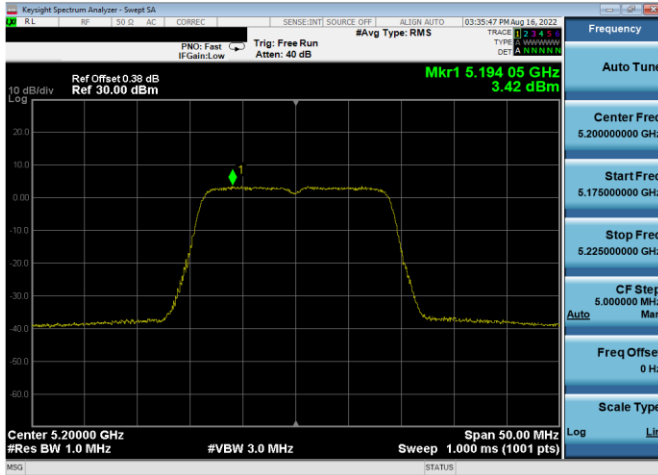
Plot 7-481. ISED PSD Antenna 1b (20MHz BW 11n – Ch.40, MCS7)
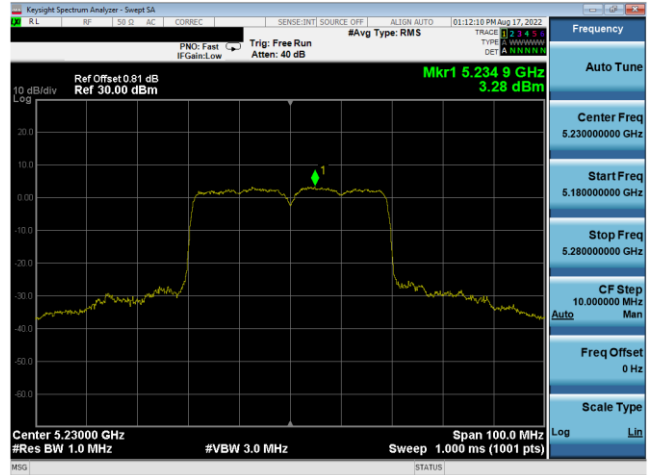
Plot 7-484. ISED PSD Antenna 1b (40MHz BW 11ax(SU) – Ch.46, MCS11)
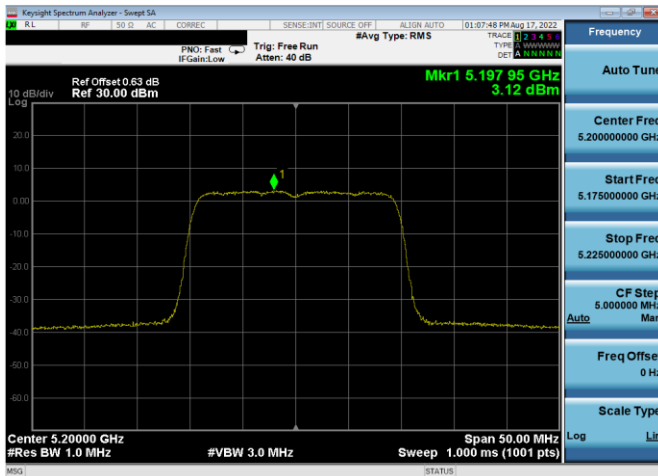
Plot 7-482. ISED PSD Antenna 1b (20MHz BW 11ax(SU) – Ch.40, MCS11)
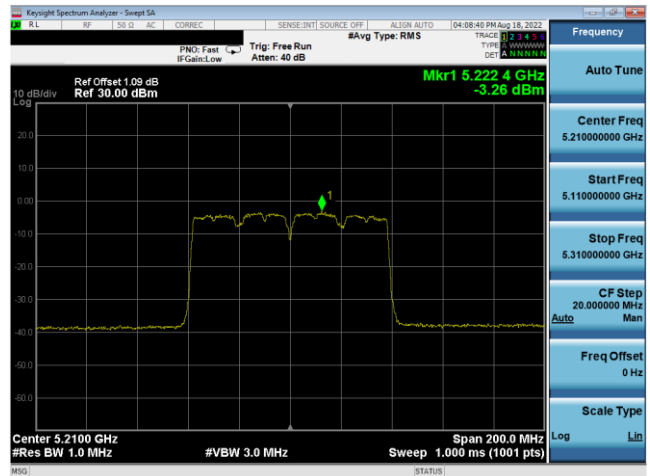
Plot 7-485. ISED PSD Antenna 1b (80MHz BW 11ac – Ch.42, MCS9)
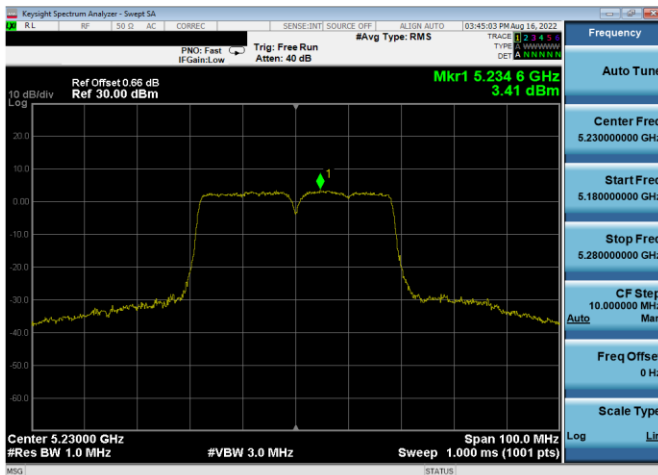
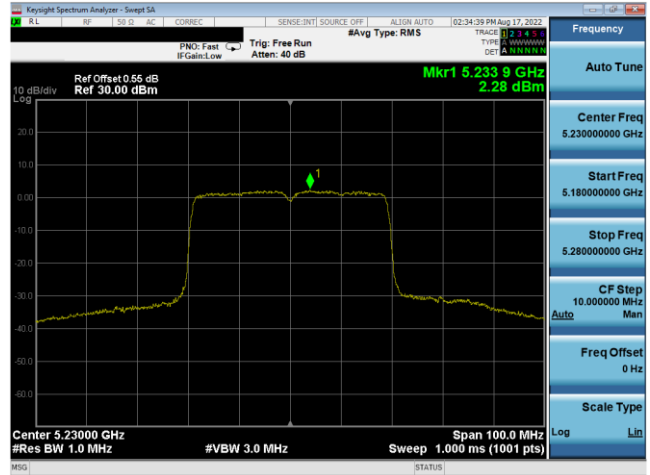**Plot 7-483. ISED PSD Antenna 1b (40MHz BW 11n – Ch.46, MCS7)**

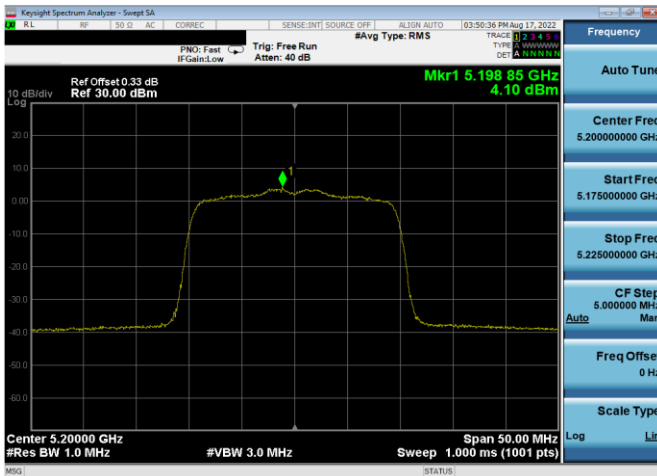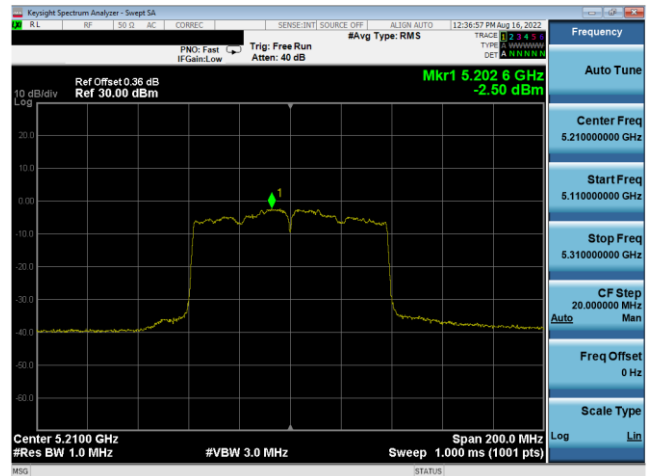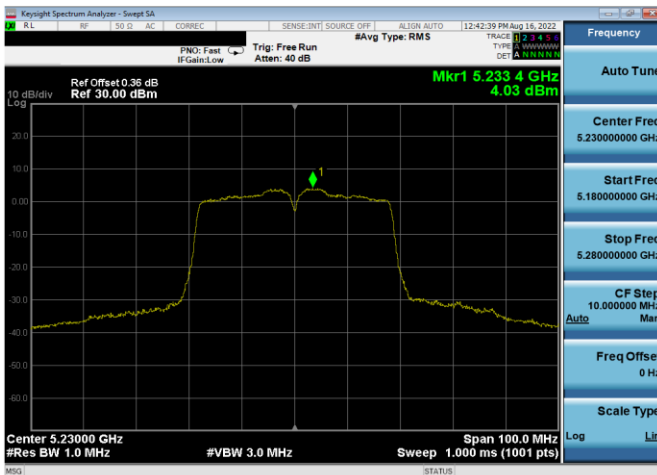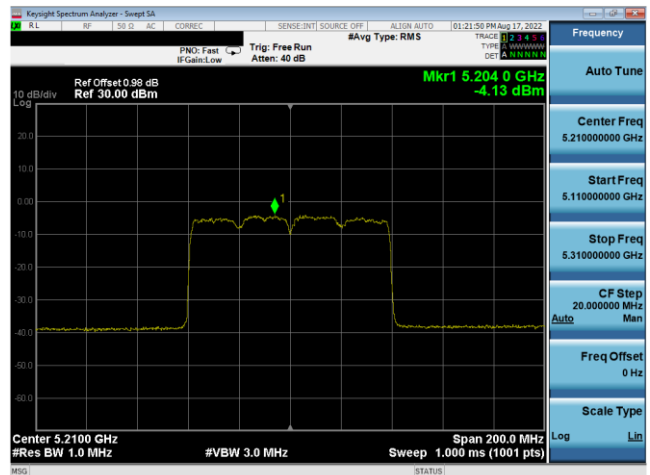**Plot 7-486. ISED PSD Antenna 1b (80MHz BW 11ax(SU) – Ch.42, MCS11)**

FCC ID: BCGA2757 **IC:** 579C-A2757	element	**MEASUREMENT REPORT (CERTIFICATION)**	**Approved by:** Technical Manager
Test Report S/N: 1C2205090023-16.BCG	**Test Dates:** 08/02/2022 – 09/14/2022	**EUT Type:** Tablet Device	Page 185 of 534

7.5.4   Summed CDD Primary Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 3c Power Density [dBm/MHz]	Antenna 3a 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)	7.49	7.47	10.49	11.0	-0.51
	5200	40	n (20MHz)	CDD	13/14.4 (MCS8)	7.38	7.60	10.50	11.0	-0.50
	5240	48	n (20MHz)	CDD	13/14.4 (MCS8)	6.78	7.32	10.07	11.0	-0.93
	5180	36	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	6.34	6.61	9.49	11.0	-1.51
	5200	40	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	6.98	7.28	10.14	11.0	-0.86
	5240	48	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	6.71	7.19	9.96	11.0	-1.04
	5190	38	n (40MHz)	CDD	27/30 (MCS8)	2.75	2.82	5.79	11.0	-5.21
	5230	46	n (40MHz)	CDD	27/30 (MCS8)	6.77	7.40	10.11	11.0	-0.89
	5190	38	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	0.32	0.39	3.37	11.0	-7.63
	5230	46	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	5.54	5.87	8.72	11.0	-2.28
	5210	42	ac (80MHz)	CDD	58.5/65 (MCS0)	-0.12	-6.73	0.74	11.0	-10.26
	5210	42	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	-2.04	-2.51	0.74	11.0	-10.26
Band 2A	5260	52	n (20MHz)	CDD	13/14.4 (MCS8)	6.63	6.98	9.82	11.0	-1.18
	5280	56	n (20MHz)	CDD	13/14.4 (MCS8)	6.58	7.11	9.86	11.0	-1.14
	5320	64	n (20MHz)	CDD	13/14.4 (MCS8)	6.31	6.71	9.53	11.0	-1.47
	5260	52	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	6.32	6.86	9.61	11.0	-1.39
	5280	56	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	6.40	7.00	9.72	11.0	-1.28
	5320	64	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	5.83	6.41	9.14	11.0	-1.86
	5270	54	n (40MHz)	CDD	27/30 (MCS8)	6.77	7.04	9.92	11.0	-1.08
	5310	62	n (40MHz)	CDD	27/30 (MCS8)	0.24	0.78	3.53	11.0	-7.47
	5270	54	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	5.48	5.57	8.54	11.0	-2.46
	5310	62	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	-1.53	-1.01	1.75	11.0	-9.25
	5290	58	ac (80MHz)	CDD	58.5/65 (MCS0)	-2.99	-8.25	-1.86	11.0	-12.86
	5290	58	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	-4.50	-3.77	-1.11	11.0	-12.11
Band 2C	5500	100	n (20MHz)	CDD	13/14.4 (MCS8)	6.51	6.86	9.70	11.0	-1.30
	5580	116	n (20MHz)	CDD	13/14.4 (MCS8)	6.65	7.30	9.99	11.0	-1.01
	5720	144	n (20MHz)	CDD	13/14.4 (MCS8)	6.30	6.57	9.44	11.0	-1.56
	5500	100	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	6.48	6.80	9.65	11.0	-1.35
	5580	116	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	6.22	6.78	9.52	11.0	-1.48
	5720	144	ax (SU) (20MHz)	CDD	16/17.2 (MCS0)	5.96	6.39	9.19	11.0	-1.81
	5510	102	n (40MHz)	CDD	27/30 (MCS8)	0.81	1.37	4.11	11.0	-6.89
	5550	110	n (40MHz)	CDD	27/30 (MCS8)	6.34	6.97	9.68	11.0	-1.32
	5710	142	n (40MHz)	CDD	27/30 (MCS8)	5.70	6.40	9.08	11.0	-1.92
	5510	102	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	-0.40	-0.25	2.69	11.0	-8.31
	5550	110	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	4.26	4.66	7.48	11.0	-3.52
	5710	142	ax (SU) (40MHz)	CDD	32/34.4 (MCS0)	4.43	5.15	7.82	11.0	-3.18
	5530	106	ac (80MHz)	CDD	58.5/65 (MCS0)	-2.07	-7.01	-0.86	11.0	-11.86
	5610*	122	ac (80MHz)	CDD	58.5/65 (MCS0)	1.17	1.30	4.24	11.0	-6.76
	5690	138	ac (80MHz)	CDD	58.5/65 (MCS0)	3.88	-2.81	4.72	11.0	-6.28
	5530	106	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	-4.52	-4.45	-1.48	11.0	-12.48
	5610*	122	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	-0.89	-0.72	2.20	11.0	-8.80
	5690	138	ax (SU) (80MHz)	CDD	68/72.1 (MCS0)	2.39	2.95	5.69	11.0	-5.31

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: BCGA2757 IC: 579C-A2757	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090023-16.BCG	**Test Dates:** 08/02/2022 – 09/14/2022	**EUT Type:** Tablet Device	Page 186 of 534

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	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 3c Power Density [dBm/MHz]	Antenna 3a Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	CDD	78/86.7 (MCS12)	7.16	7.12	10.15	11.0	-0.85
	5200	40	n (20MHz)	CDD	78/86.7 (MCS12)	7.46	7.41	10.45	11.0	-0.55
	5240	48	n (20MHz)	CDD	78/86.7 (MCS12)	6.79	7.06	9.94	11.0	-1.06
	5180	36	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	6.45	6.60	9.54	11.0	-1.46
	5200	40	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	7.30	7.25	10.28	11.0	-0.72
	5240	48	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	6.80	6.85	9.84	11.0	-1.16
	5190	38	n (40MHz)	CDD	162/180 (MCS12)	2.80	2.76	5.79	11.0	-5.21
	5230	46	n (40MHz)	CDD	162/180 (MCS12)	6.68	7.17	9.94	11.0	-1.06
	5190	38	ax (SU) (40MHz)	CDD	196/206.5 (MCS4)	0.95	0.79	3.88	11.0	-7.12
	5230	46	ax (SU) (40MHz)	CDD	196/206.5 (MCS4)	5.60	5.83	8.73	11.0	-2.27
	5210	42	ac (80MHz)	CDD	351/390 (MCS4)	0.16	-5.38	1.23	11.0	-9.77
	5210	42	ax (SU) (80MHz)	CDD	408/432.4 (MCS4)	-1.91	-2.22	0.95	11.0	-10.05
Band 2A	5260	52	n (20MHz)	CDD	78/86.7 (MCS12)	7.09	7.73	10.43	11.0	-0.57
	5280	56	n (20MHz)	CDD	78/86.7 (MCS12)	7.10	7.78	10.46	11.0	-0.54
	5320	64	n (20MHz)	CDD	78/86.7 (MCS12)	6.68	7.15	9.93	11.0	-1.07
	5260	52	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	7.07	7.55	10.33	11.0	-0.67
	5280	56	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	7.08	7.66	10.39	11.0	-0.61
	5320	64	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	6.48	6.96	9.74	11.0	-1.26
	5270	54	n (40MHz)	CDD	162/180 (MCS12)	7.33	7.54	10.44	11.0	-0.56
	5310	62	n (40MHz)	CDD	162/180 (MCS12)	2.05	2.86	5.49	11.0	-5.51
	5270	54	ax (SU) (40MHz)	CDD	196/206.5 (MCS4)	5.55	5.52	8.54	11.0	-2.46
	5310	62	ax (SU) (40MHz)	CDD	196/206.5 (MCS4)	-1.58	-0.95	1.76	11.0	-9.24
	5290	58	ac (80MHz)	CDD	351/390 (MCS4)	-2.95	-7.62	-1.67	11.0	-12.67
	5290	58	ax (SU) (80MHz)	CDD	408/432.4 (MCS4)	-4.35	-3.48	-0.88	11.0	-11.88
Band 2C	5500	100	n (20MHz)	CDD	78/86.7 (MCS12)	6.89	7.02	9.97	11.0	-1.03
	5580	116	n (20MHz)	CDD	78/86.7 (MCS12)	7.13	7.63	10.40	11.0	-0.60
	5720	144	n (20MHz)	CDD	78/86.7 (MCS12)	6.73	7.09	9.92	11.0	-1.08
	5500	100	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	6.62	7.24	9.95	11.0	-1.05
	5580	116	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	7.19	7.51	10.36	11.0	-0.64
	5720	144	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	6.72	7.24	10.00	11.0	-1.00
	5510	102	n (40MHz)	CDD	162/180 (MCS12)	0.93	1.20	4.08	11.0	-6.92
	5550	110	n (40MHz)	CDD	162/180 (MCS12)	5.51	5.79	8.66	11.0	-2.34
	5710	142	n (40MHz)	CDD	162/180 (MCS12)	6.22	6.98	9.62	11.0	-1.38
	5510	102	ax (SU) (40MHz)	CDD	196/206.5 (MCS4)	-0.13	-0.04	2.92	11.0	-8.08
	5550	110	ax (SU) (40MHz)	CDD	196/206.5 (MCS4)	4.13	4.99	7.59	11.0	-3.41
	5710	142	ax (SU) (40MHz)	CDD	196/206.5 (MCS4)	5.03	5.89	8.49	11.0	-2.51
	5530	106	ac (80MHz)	CDD	351/390 (MCS4)	-1.53	-6.91	-0.42	11.0	-11.42
	5610*	122	ac (80MHz)	CDD	351/390 (MCS4)	1.12	1.46	4.30	11.0	-6.70
	5690	138	ac (80MHz)	CDD	351/390 (MCS4)	4.41	-1.49	5.40	11.0	-5.60
	5530	106	ax (SU) (80MHz)	CDD	408/432.4 (MCS4)	-4.16	-4.10	-1.12	11.0	-12.12
	5610*	122	ax (SU) (80MHz)	CDD	408/432.4 (MCS4)	0.00	-0.03	2.99	11.0	-8.01
	5690	138	ax (SU) (80MHz)	CDD	408/432.4 (MCS4)	3.17	3.79	6.50	11.0	-4.50

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

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

FCC ID: BCGA2757 IC: 579C-A2757	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090023-16.BCG	Test Dates: 08/02/2022 – 09/14/2022	EUT Type: Tablet Device	Page 187 of 534

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|	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 3c Power Density [dBm/MHz]	Antenna 3a Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	CDD	130/144.4 (MCS15)	5.59	5.82	8.72	11.0	-2.28
	5200	40	n (20MHz)	CDD	130/144.4 (MCS15)	6.54	7.06	9.82	11.0	-1.18
	5240	48	n (20MHz)	CDD	130/144.4 (MCS15)	6.25	6.84	9.57	11.0	-1.43
	5180	36	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	4.98	5.95	8.50	11.0	-2.50
	5200	40	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	6.68	6.92	9.81	11.0	-1.19
	5240	48	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	6.37	6.68	9.54	11.0	-1.46
	5190	38	n (40MHz)	CDD	270/300 (MCS15)	1.22	1.76	4.51	11.0	-6.49
	5230	46	n (40MHz)	CDD	270/300 (MCS15)	6.40	6.95	9.69	11.0	-1.31
	5190	38	ax (SU) (40MHz)	CDD	540/573.5 (MCS11)	-0.15	-0.49	2.69	11.0	-8.31
	5230	46	ax (SU) (40MHz)	CDD	540/573.5 (MCS11)	6.05	6.19	9.13	11.0	-1.87
	5210	42	ac (80MHz)	CDD	780/866.7 (MCS9)	-1.49	-1.78	1.38	11.0	-9.62
	5210	42	ax (SU) (80MHz)	CDD	1134/1201 (MCS11)	-2.99	-2.93	0.05	11.0	-10.95
Band 2A	5260	52	n (20MHz)	CDD	130/144.4 (MCS15)	6.14	6.54	9.35	11.0	-1.65
	5280	56	n (20MHz)	CDD	130/144.4 (MCS15)	5.94	6.70	9.34	11.0	-1.66
	5320	64	n (20MHz)	CDD	130/144.4 (MCS15)	5.25	5.39	8.33	11.0	-2.67
	5260	52	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	6.03	6.63	9.35	11.0	-1.65
	5280	56	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	6.13	6.77	9.47	11.0	-1.53
	5320	64	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	5.49	5.83	8.67	11.0	-2.33
	5270	54	n (40MHz)	CDD	270/300 (MCS15)	6.52	6.87	9.71	11.0	-1.29
	5310	62	n (40MHz)	CDD	270/300 (MCS15)	-0.08	0.64	3.31	11.0	-7.69
	5270	54	ax (SU) (40MHz)	CDD	540/573.5 (MCS11)	5.76	5.91	8.85	11.0	-2.15
	5310	62	ax (SU) (40MHz)	CDD	540/573.5 (MCS11)	-2.63	-2.02	0.70	11.0	-10.30
	5290	58	ac (80MHz)	CDD	780/866.7 (MCS9)	-4.94	-4.06	-1.47	11.0	-12.47
	5290	58	ax (SU) (80MHz)	CDD	1134/1201 (MCS11)	-5.24	-4.68	-1.94	11.0	-12.94
Band 2C	5500	100	n (20MHz)	CDD	130/144.4 (MCS15)	3.52	4.04	6.80	11.0	-4.20
	5580	116	n (20MHz)	CDD	130/144.4 (MCS15)	6.09	6.52	9.32	11.0	-1.68
	5720	144	n (20MHz)	CDD	130/144.4 (MCS15)	5.42	5.89	8.67	11.0	-2.33
	5500	100	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	3.24	4.17	6.74	11.0	-4.26
	5580	116	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	6.18	6.64	9.43	11.0	-1.57
	5720	144	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	5.79	6.10	8.96	11.0	-2.04
	5510	102	n (40MHz)	CDD	270/300 (MCS15)	-1.29	-1.17	1.78	11.0	-9.22
	5550	110	n (40MHz)	CDD	270/300 (MCS15)	4.05	4.28	7.18	11.0	-3.82
	5710	142	n (40MHz)	CDD	270/300 (MCS15)	5.51	6.18	8.87	11.0	-2.13
	5510	102	ax (SU) (40MHz)	CDD	540/573.5 (MCS11)	-0.83	-0.89	2.15	11.0	-8.85
	5550	110	ax (SU) (40MHz)	CDD	540/573.5 (MCS11)	3.46	3.83	6.66	11.0	-4.34
	5710	142	ax (SU) (40MHz)	CDD	540/573.5 (MCS11)	4.96	5.68	8.35	11.0	-2.65
	5530	106	ac (80MHz)	CDD	780/866.7 (MCS9)	-3.79	-3.78	-0.78	11.0	-11.78
	5610*	122	ac (80MHz)	CDD	780/866.7 (MCS9)	-1.42	-0.49	2.08	11.0	-8.92
	5690	138	ac (80MHz)	CDD	780/866.7 (MCS9)	3.62	4.01	6.83	11.0	-4.17
	5530	106	ax (SU) (80MHz)	CDD	1134/1201 (MCS11)	-5.52	-5.25	-2.37	11.0	-13.37
	5610*	122	ax (SU) (80MHz)	CDD	1134/1201 (MCS11)	-2.39	-1.93	0.86	11.0	-10.14
	5690	138	ax (SU) (80MHz)	CDD	1134/1201 (MCS11)	3.07	3.70	6.40	11.0	-4.60

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

*TDWR channel is not supported for ISED (denoted by a * next to the frequency)
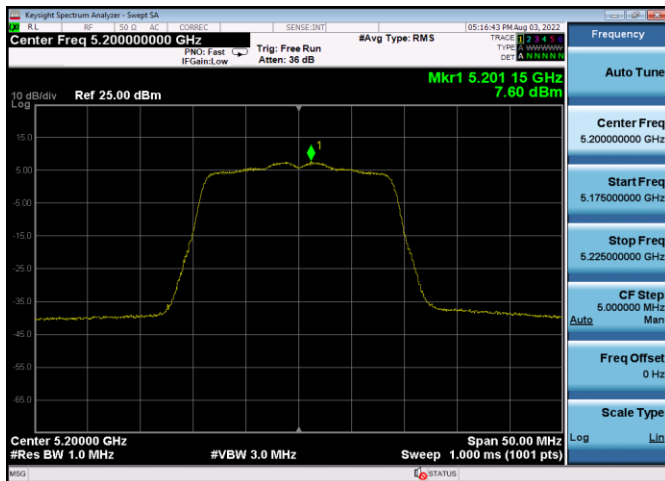
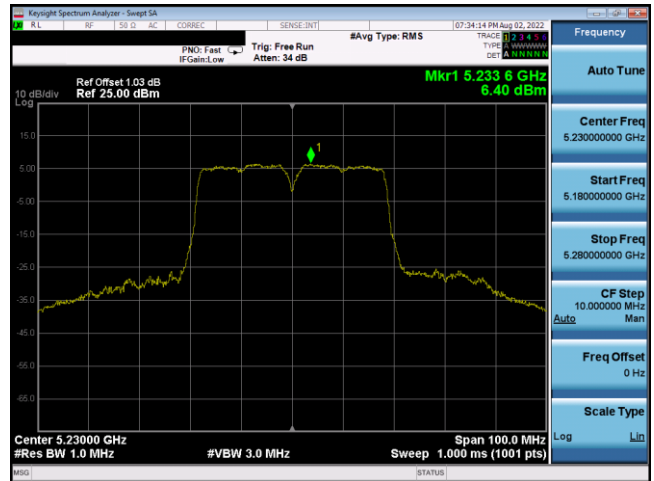| **FCC ID:** BCGA2757 **IC:** 579C-A2757	element	**MEASUREMENT REPORT (CERTIFICATION)**	**Approved by:** Technical Manager
Test Report S/N: 1C2205090023-16.BCG	**Test Dates:** 08/02/2022 – 09/14/2022	**EUT Type:** Tablet Device	Page 188 of 534

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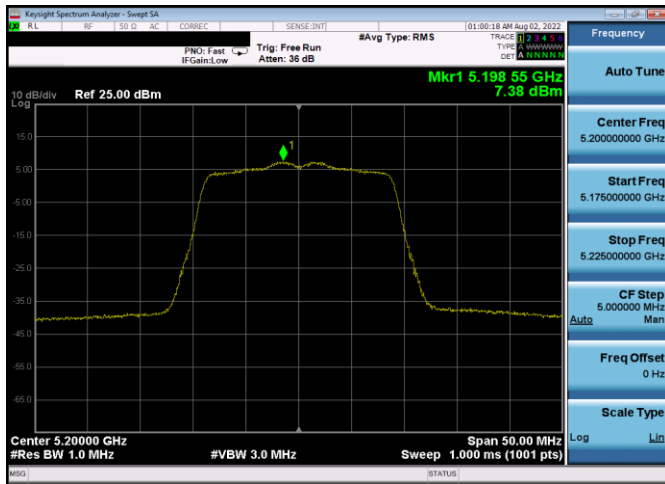
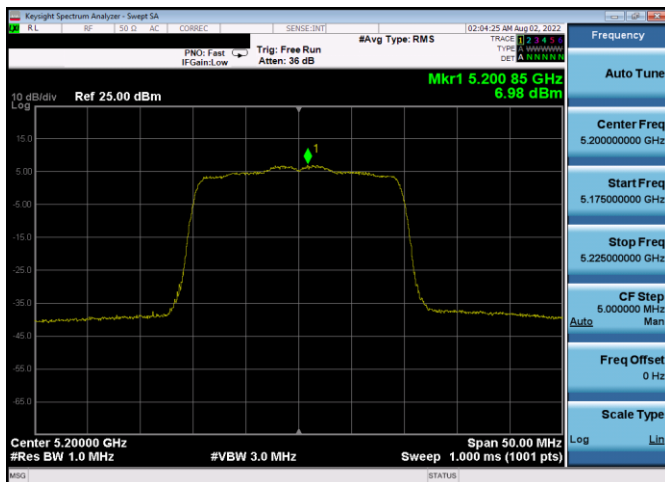**Plot 7-487. PSD CDD Antenna 3c (20MHz BW 802.11n – Ch. 40, MCS8)**
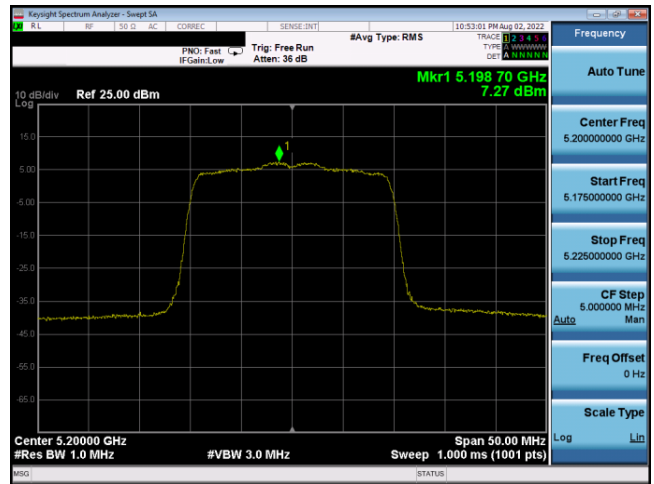
Plot 7-490. PSD CDD Antenna 3a (20MHz BW 802.11ax(SU) – Ch. 40, MCS0)
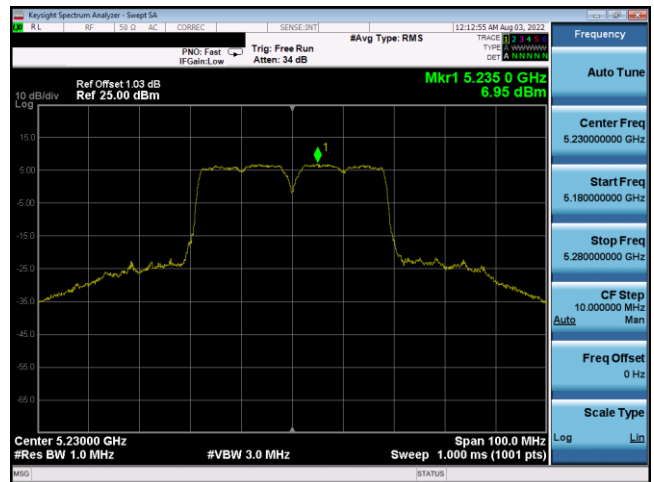

Plot 7-488. PSD CDD Antenna 3a (20MHz BW 802.11n – Ch. 40, MCS8)

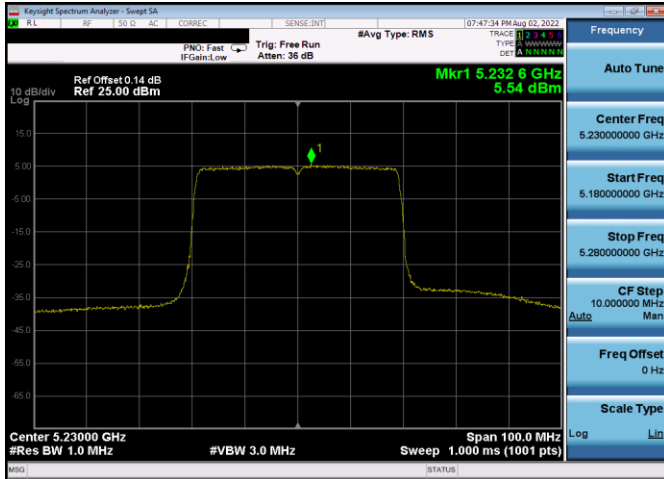**Plot 7-491. PSD CDD Antenna 3c (40MHz BW 802.11n – Ch. 46, MCS8)**

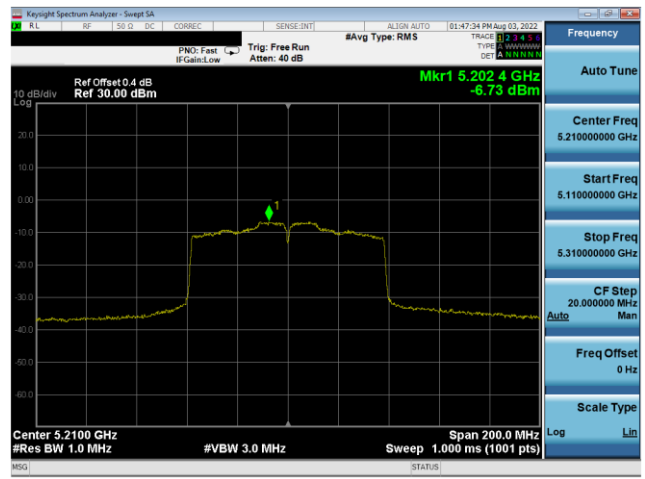**Plot 7-489. PSD CDD Antenna 3c (20MHz BW 802.11ax(SU) – Ch. 40, MCS0)**

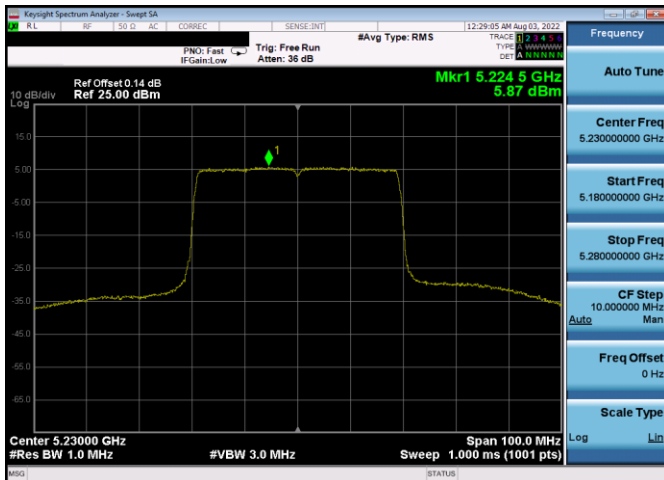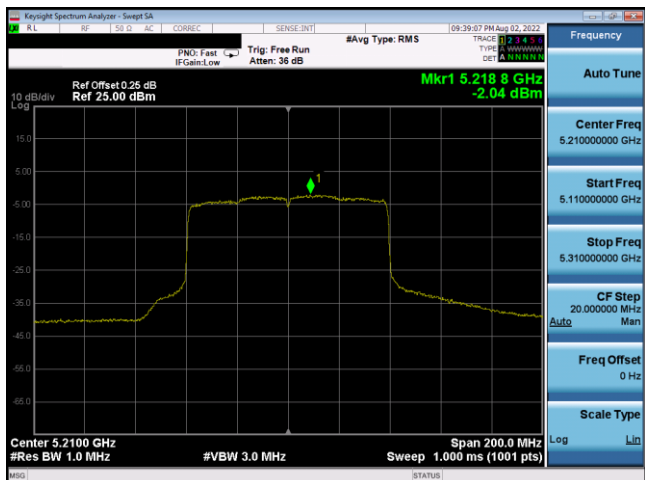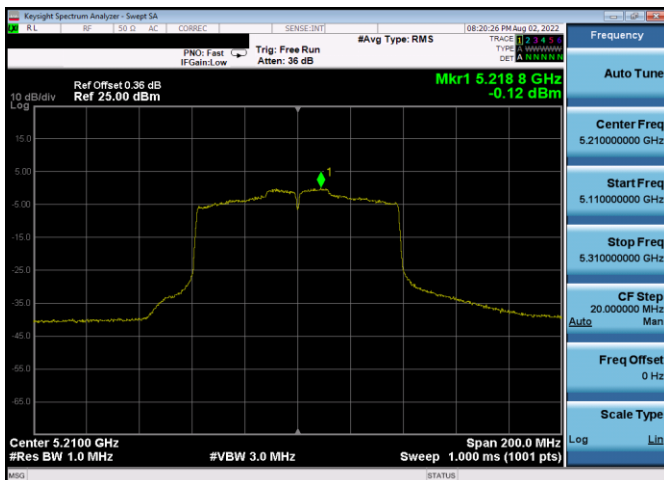**Plot 7-492. PSD CDD Antenna 3a (40MHz BW 802.11n – Ch. 46, MCS8)**

FCC ID: BCGA2757 **IC:** 579C-A2757	element	**MEASUREMENT REPORT** **(CERTIFICATION)**	**Approved by:** Technical Manager
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Plot 7-493. PSD CDD Antenna 3c (40MHz BW 802.11ax(SU) – Ch. 46, MCS0)

Plot 7-496. PSD CDD Antenna 3a (80MHz BW 802.11ac – Ch. 42, MCS0)
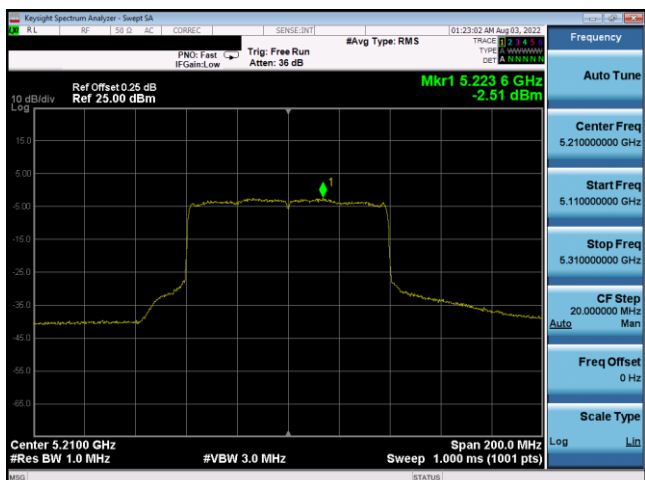

Plot 7-494. PSD CDD Antenna 3a (40MHz BW 802.11ax(SU) – Ch. 46, MCS0)

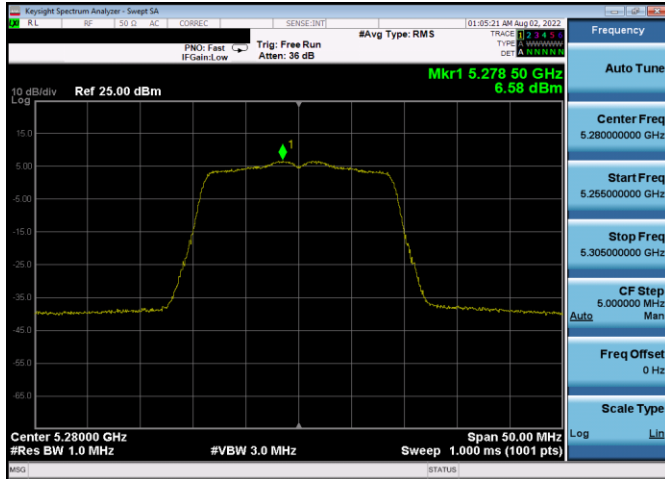**Plot 7-497. PSD CDD Antenna 3c (80MHz BW 802.11ax(SU) – Ch. 42, MCS0)**

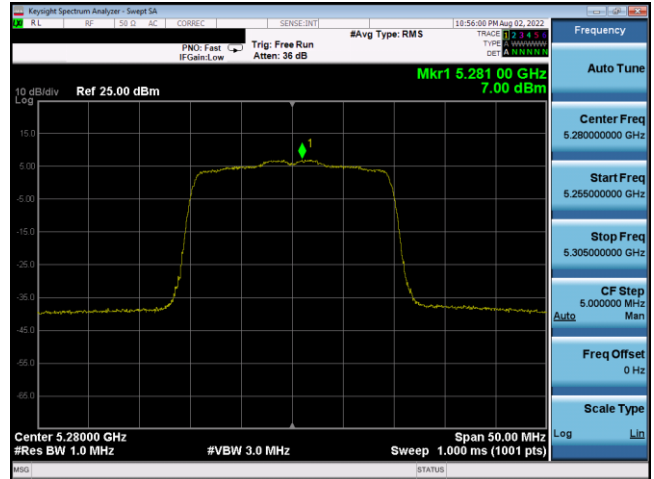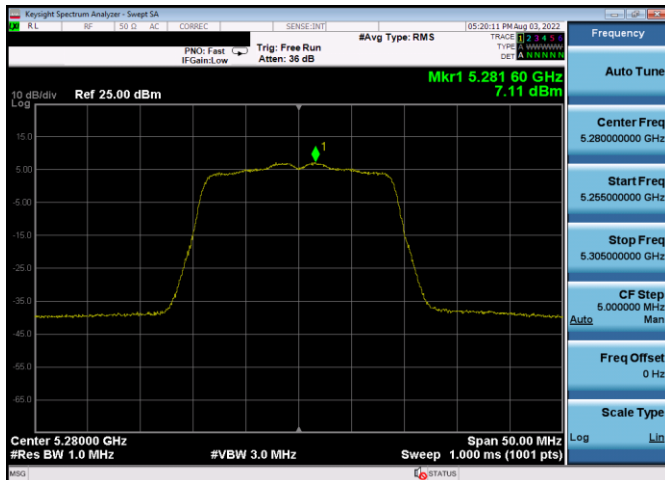**Plot 7-495. PSD CDD Antenna 3c (80MHz BW 802.11ac – Ch. 42, MCS0)**

Plot 7-498. PSD CDD Antenna 3a (80MHz BW 802.11ax(SU) – Ch. 42, MCS0)

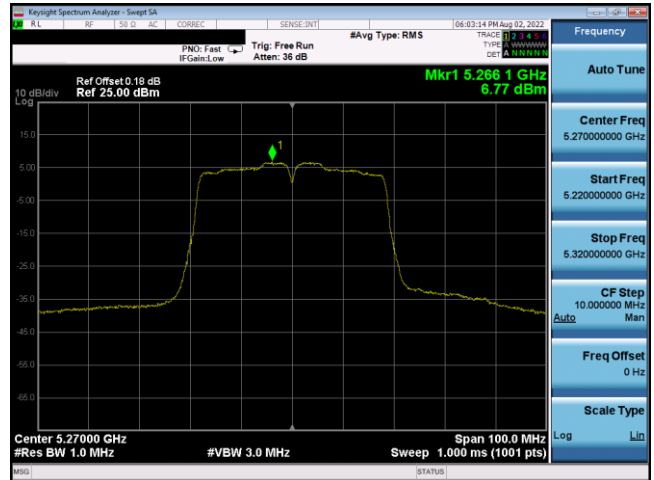| FCC ID: BCGA2757 IC: 579C-A2757	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-499. PSD CDD Antenna 3c (20MHz BW 802.11n – Ch. 56, MCS8)
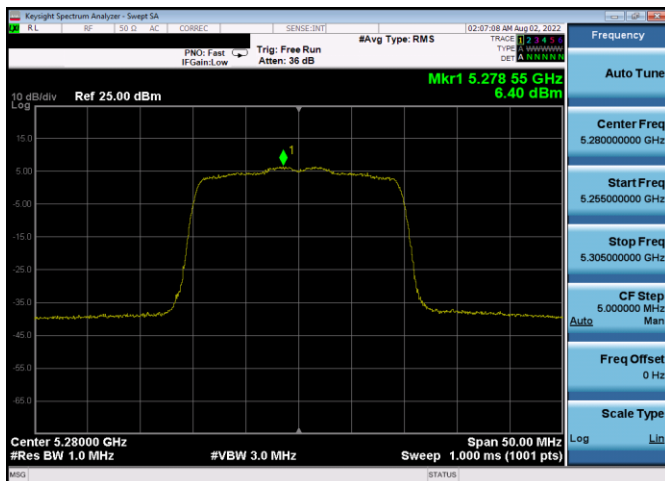

Plot 7-502. PSD CDD Antenna 3a (20MHz BW 802.11ax(SU) – Ch. 56, MCS0)
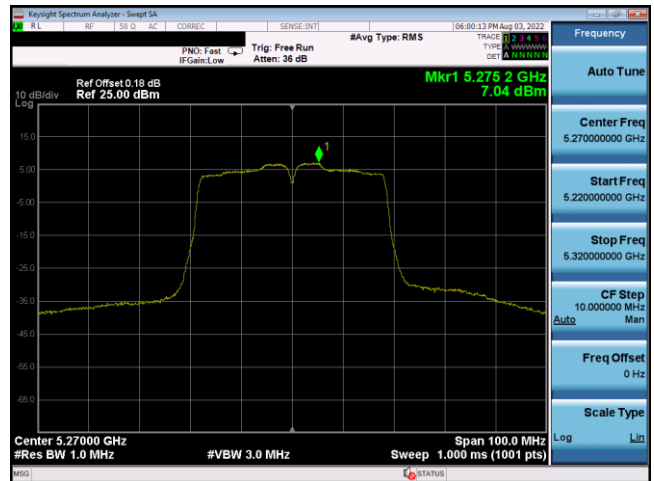

Plot 7-500. PSD CDD Antenna 3a (20MHz BW 802.11n – Ch. 56, MCS8)

Plot 7-503. PSD CDD Antenna 3c (40MHz BW 802.11n – Ch. 54, MCS8)

Plot 7-501. PSD CDD Antenna 3c (20MHz BW 802.11ax(SU) – Ch. 56, MCS0)

Plot 7-504. PSD CDD Antenna 3a (40MHz BW 802.11n – Ch. 54, MCS8)

FCC ID: BCGA2757 **IC:** 579C-A2757	element	**MEASUREMENT REPORT** **(CERTIFICATION)**	**Approved by:** Technical Manager
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