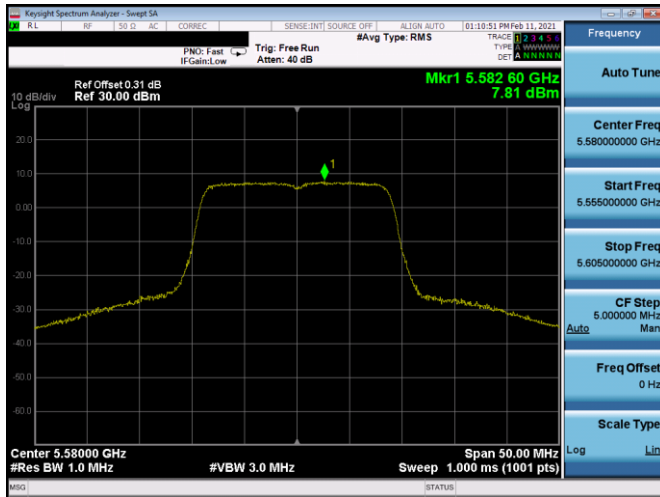
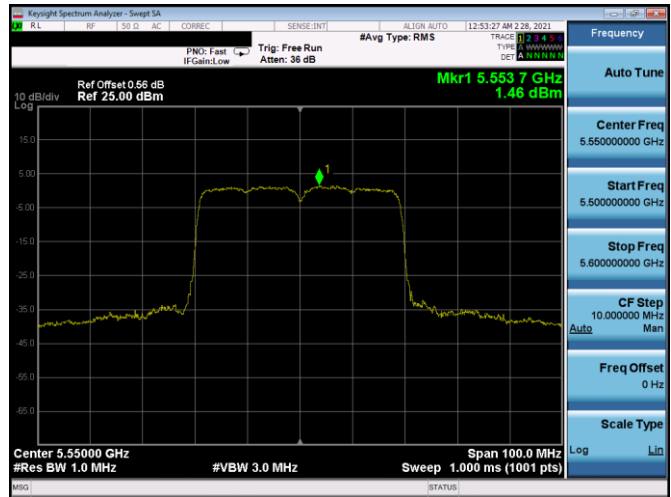
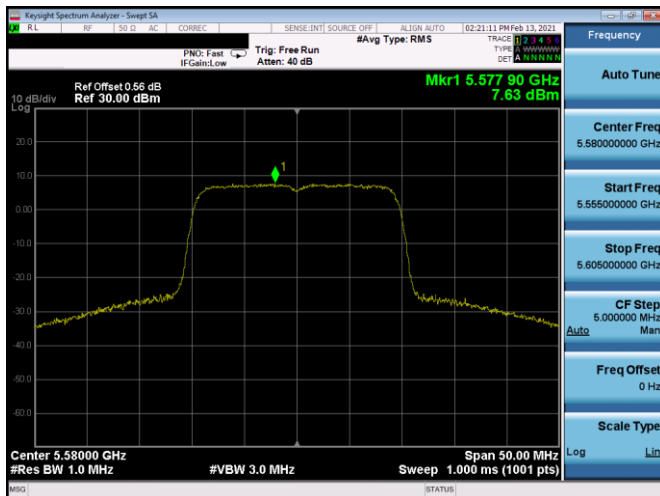




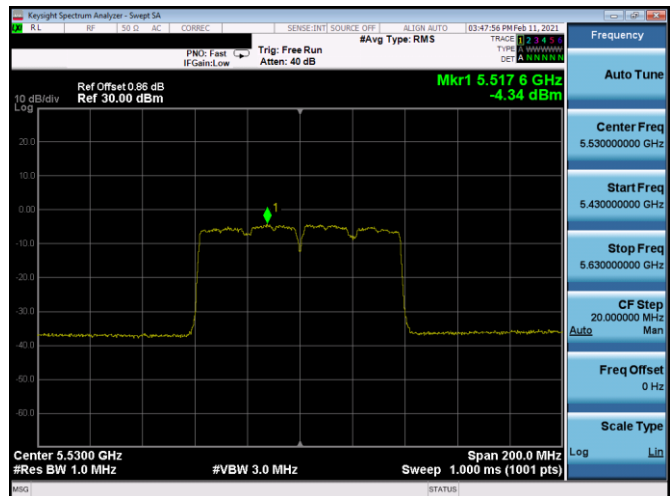
Plot 7-283. PSD Antenna 4b (20MHz BW 802.11n – Ch. 116, MCS5)



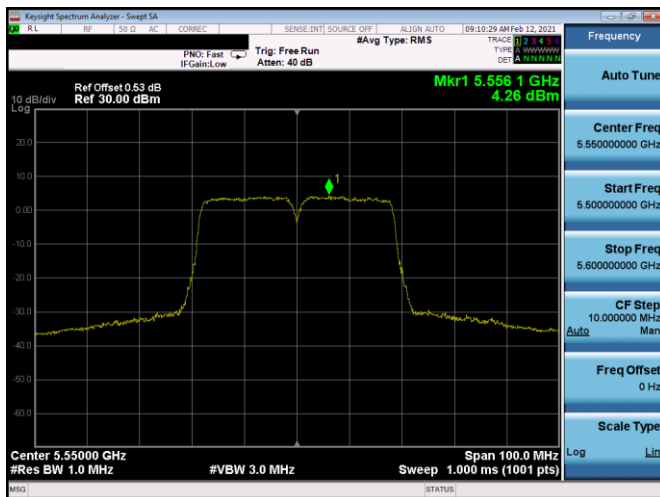
Plot 7-286. PSD Antenna 4b (40MHz BW 802.11ax(SU) – Ch. 110, MCS11)



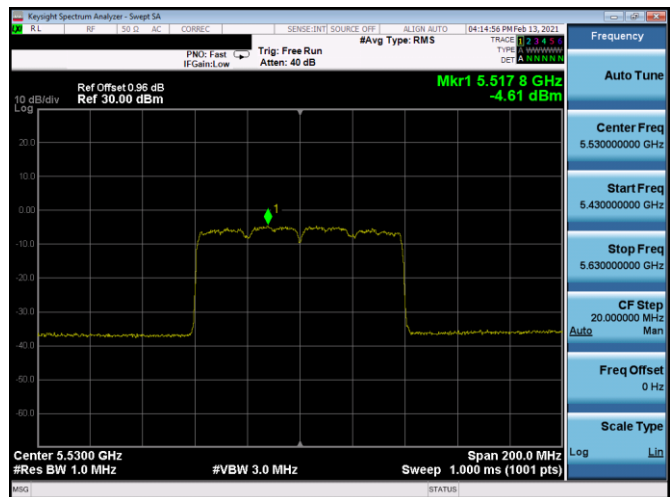
Plot 7-284. PSD Antenna 4b (20MHz BW 802.11ax(SU) – Ch. 116, MCS11)



Plot 7-287. PSD Antenna 4b (80MHz BW 802.11ac – Ch. 106, MCS5)



Plot 7-285. PSD Antenna 4b (40MHz BW 802.11n – Ch. 110, MCS5)



Plot 7-288. PSD Antenna 4b (80MHz BW 802.11ax(SU) – Ch. 106, MCS11)

FCC ID: BCGA2301 IC: 579C-A2301	 PCTEST Proud to be part of element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device		Page 118 of 354

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	6.5/7.2 (MCS0)	6.14	30.0	-23.86
	5785	157	n (20MHz)	6.5/7.2 (MCS0)	6.39	30.0	-23.61
	5825	165	n (20MHz)	6.5/7.2 (MCS0)	6.61	30.0	-23.39
	5745	149	ax-SU (20MHz)	8/8.6 (MCS0)	4.75	30.0	-25.25
	5785	157	ax-SU (20MHz)	8/8.6 (MCS0)	5.22	30.0	-24.78
	5825	165	ax-SU (20MHz)	8/8.6 (MCS0)	5.33	30.0	-24.67
	5755	151	n (40MHz)	13.5/15 (MCS0)	3.66	30.0	-26.34
	5795	159	n (40MHz)	13.5/15 (MCS0)	4.05	30.0	-25.95
	5755	151	ax-SU (40MHz)	16/17.2 (MCS0)	1.18	30.0	-28.82
	5795	159	ax-SU (40MHz)	16/17.2 (MCS0)	1.95	30.0	-28.05
	5775	155	ac (80MHz)	29.3/32.5 (MCS0)	-0.06	30.0	-30.06
	5775	155	ax-SU (80MHz)	34/36.0 (MCS0)	-3.32	30.0	-33.32

Table 7-104. Band 3 Power Spectral Density Measurements Antenna 4b (Low Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	26/28.9 (MCS3)	6.63	30.0	-23.37
	5785	157	n (20MHz)	26/28.9 (MCS3)	6.85	30.0	-23.15
	5825	165	n (20MHz)	26/28.9 (MCS3)	6.95	30.0	-23.05
	5745	149	ax-SU (20MHz)	33/34.4 (MCS3)	5.51	30.0	-24.49
	5785	157	ax-SU (20MHz)	33/34.4 (MCS3)	5.63	30.0	-24.37
	5825	165	ax-SU (20MHz)	33/34.4 (MCS3)	5.87	30.0	-24.13
	5755	151	n (40MHz)	54/60 (MCS3)	3.88	30.0	-26.12
	5795	159	n (40MHz)	54/60 (MCS3)	4.42	30.0	-25.58
	5755	151	ax-SU (40MHz)	65/68.8 (MCS3)	1.43	30.0	-28.57
	5795	159	ax-SU (40MHz)	65/68.8 (MCS3)	2.05	30.0	-27.95
	5775	155	ac (80MHz)	117/130 (MCS3)	0.17	30.0	-29.83
	5775	155	ax-SU (80MHz)	136/144.1 (MCS3)	-3.42	30.0	-33.42

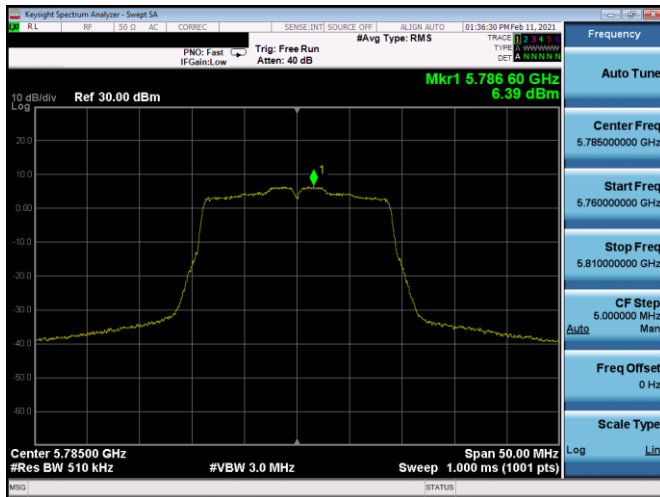
Table 7-105. Band 3 Power Spectral Density Measurements Antenna 4b (Mid Data Rate)

FCC ID: BCGA2301 IC: 579C-A2301		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device	Page 119 of 354

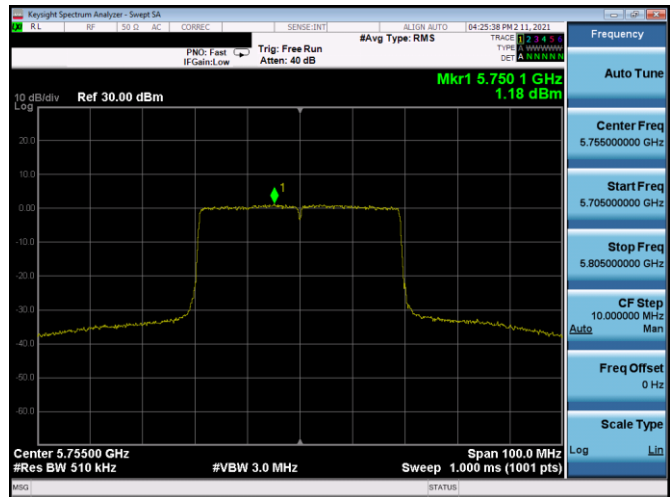
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	52/57.8 (MCS5)	5.47	30.0	-24.53
	5785	157	n (20MHz)	52/57.8 (MCS5)	5.80	30.0	-24.20
	5825	165	n (20MHz)	52/57.8 (MCS5)	5.73	30.0	-24.27
	5745	149	ax-SU (20MHz)	135/143.4 (MCS11)	5.70	30.0	-24.30
	5785	157	ax-SU (20MHz)	135/143.4 (MCS11)	6.07	30.0	-23.93
	5825	165	ax-SU (20MHz)	135/143.4 (MCS11)	6.39	30.0	-23.61
	5755	151	n (40MHz)	108/120 (MCS5)	2.86	30.0	-27.14
	5795	159	n (40MHz)	108/120 (MCS5)	3.52	30.0	-26.48
	5755	151	ax-SU (40MHz)	271/286.8 (MCS11)	2.21	30.0	-27.79
	5795	159	ax-SU (40MHz)	271/286.8 (MCS11)	2.51	30.0	-27.49
	5775	155	ac (80MHz)	234/260 (MCS5)	-1.83	30.0	-31.83
	5775	155	ax-SU (80MHz)	567/600.5 (MCS11)	-4.62	30.0	-34.62

Table 7-106. Band 3 Power Spectral Density Measurements Antenna 4b (High Data Rate)

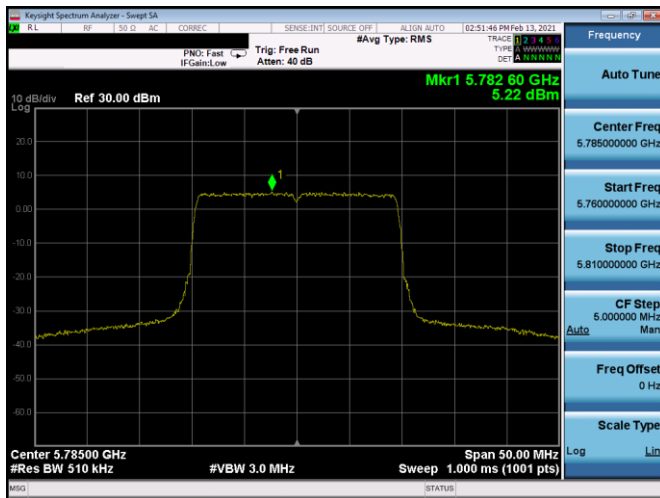
FCC ID: BCGA2301 IC: 579C-A2301		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device	Page 120 of 354



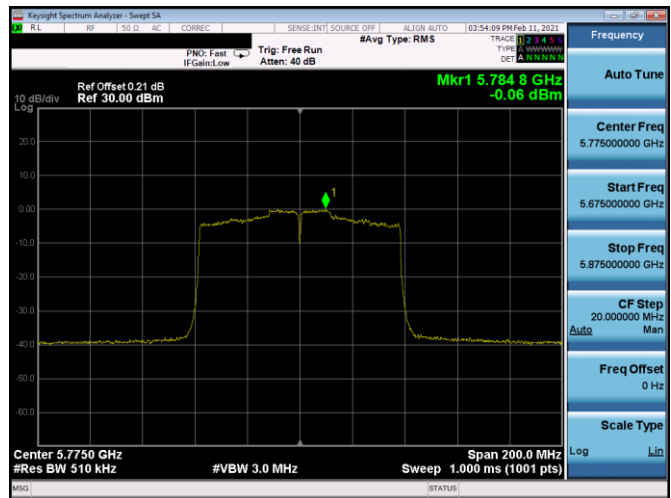
Plot 7-289. PSD Antenna 4b (20MHz BW 802.11n – Ch. 157, MCS0)



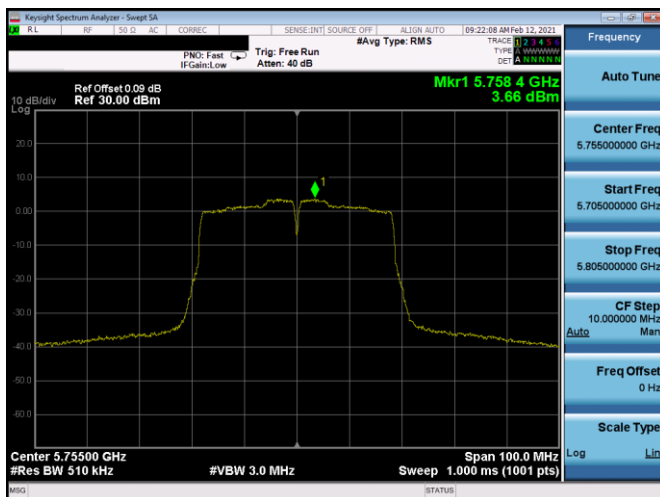
Plot 7-292. PSD Antenna 4b (40MHz BW 802.11ax(SU) – Ch. 151, MCS0)



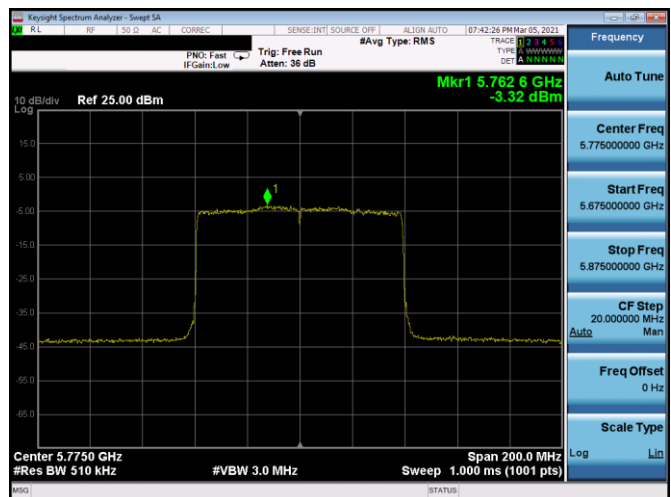
Plot 7-290. PSD Antenna 4b (20MHz BW 802.11ax(SU) – Ch. 157, MCS0)



Plot 7-293. PSD Antenna 4b (80MHz BW 802.11ac – Ch. 155, MCS0)

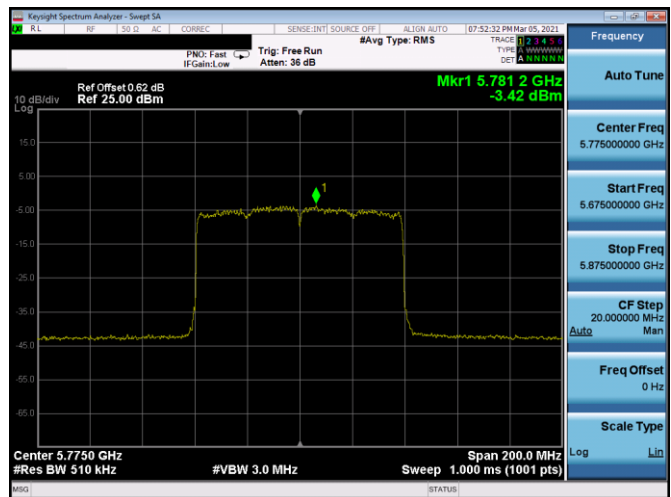
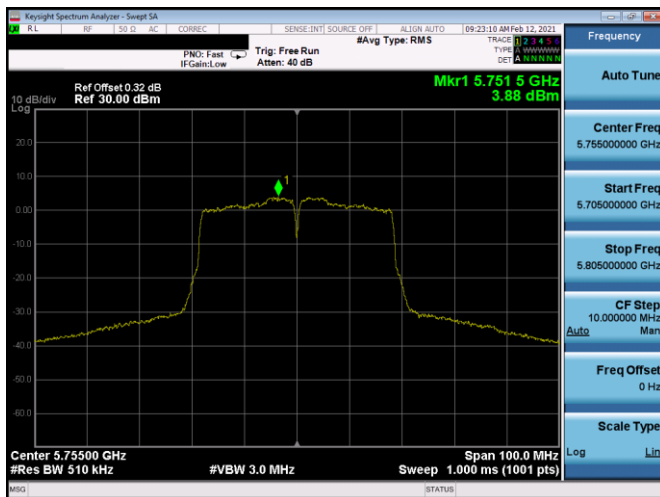
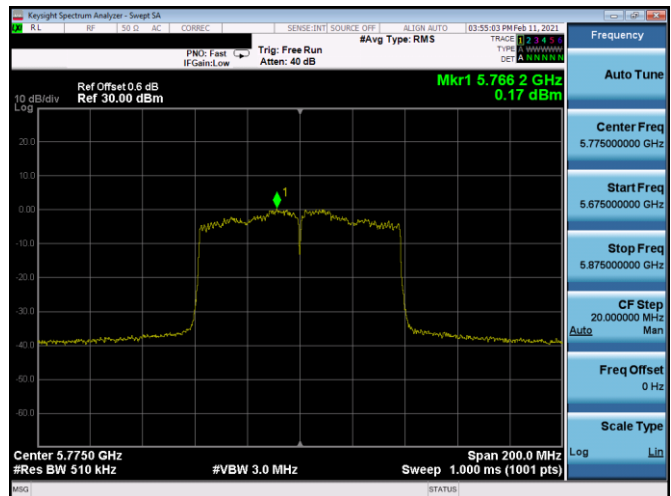
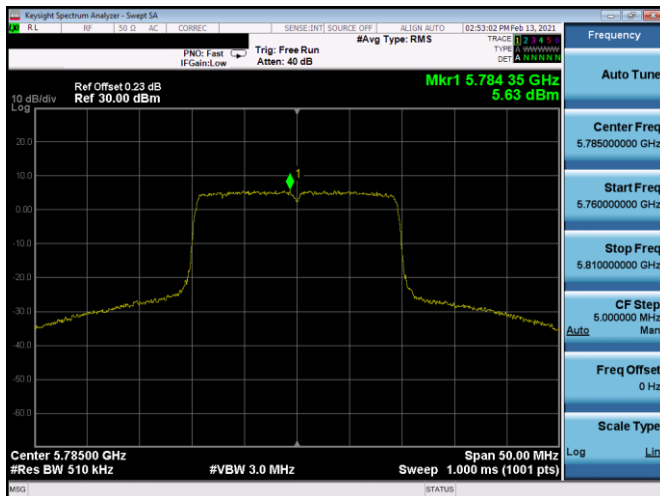
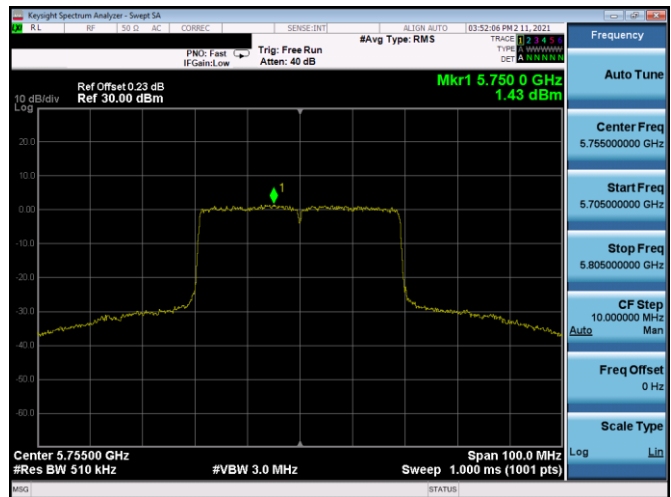
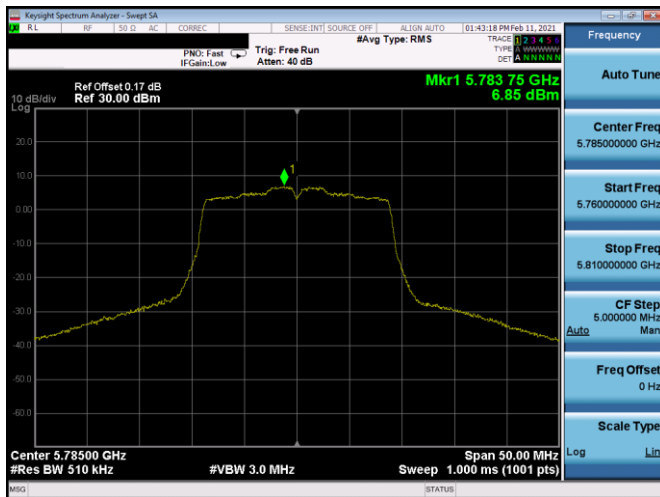


Plot 7-291. PSD Antenna 4b (40MHz BW 802.11n – Ch. 151, MCS0)

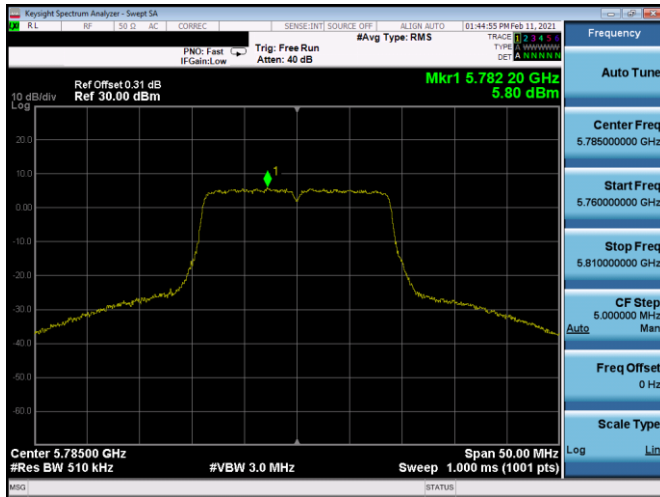


Plot 7-294. PSD Antenna 4b (80MHz BW 802.11ac – Ch. 155, MCS0)

FCC ID: BCGA2301 IC: 579C-A2301	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device	Page 121 of 354



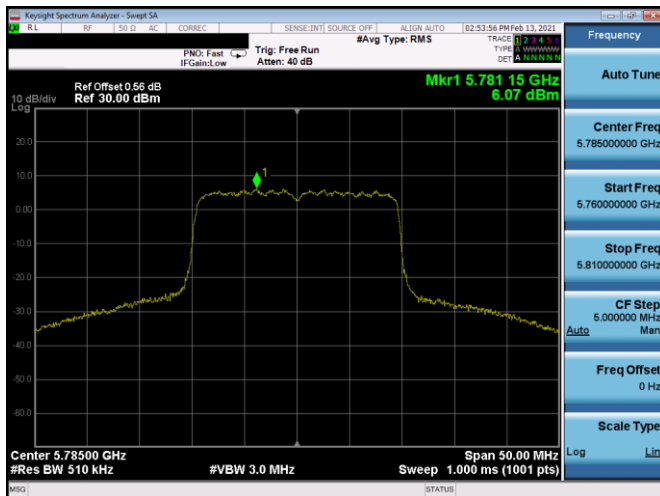
FCC ID: BCGA2301 IC: 579C-A2301	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device	Page 122 of 354



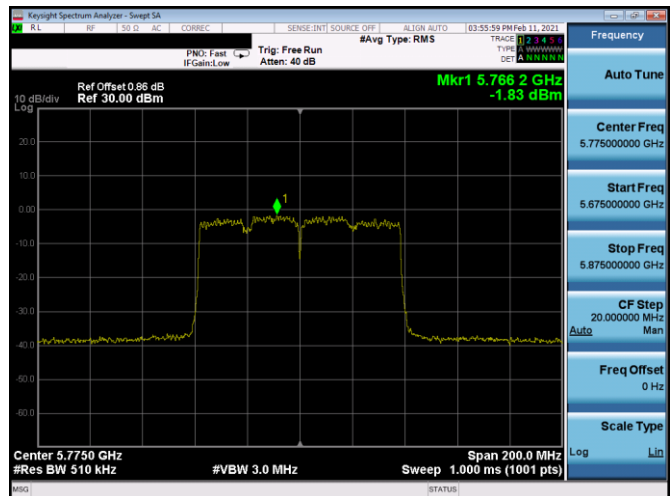
Plot 7-301. PSD Antenna 4b (20MHz BW 802.11n – Ch. 157, MCS5)



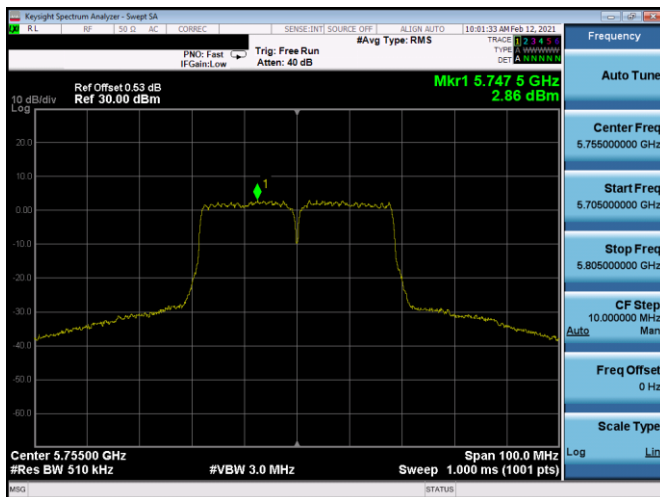
Plot 7-304. PSD Antenna 4b (40MHz BW 802.11ax(SU) – Ch. 151, MCS11)



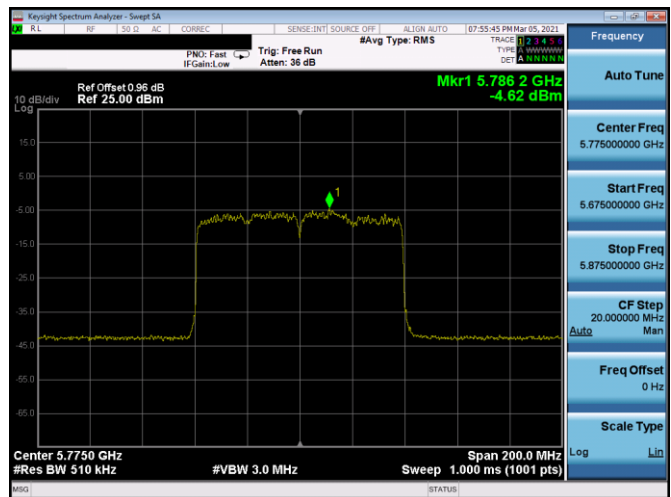
Plot 7-302. PSD Antenna 4b (20MHz BW 802.11ax(SU) – Ch. 157, MCS11)



Plot 7-305. PSD Antenna 4b (80MHz BW 802.11ac – Ch. 155, MCS5)



Plot 7-303. PSD Antenna 4b (40MHz BW 802.11n – Ch. 151, MCS5)



Plot 7-306. PSD Antenna 4b (80MHz BW 802.11ax(SU) – Ch. 155, MCS11)

FCC ID: BCGA2301 IC: 579C-A2301			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device	Page 123 of 354	

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm]	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)	1.12	1.00	2.12	10.0	-7.88
	5200	40	n (20MHz)	6.5/7.2 (MCS0)	1.29	1.00	2.29	10.0	-7.71
	5240	48	n (20MHz)	6.5/7.2 (MCS0)	1.52	1.00	2.52	10.0	-7.48
	5180	36	ax-SU (20MHz)	8/8.6 (MCS0)	-0.65	1.00	0.35	10.0	-9.65
	5200	40	ax-SU (20MHz)	8/8.6 (MCS0)	-0.36	1.00	0.64	10.0	-9.36
	5240	48	ax-SU (20MHz)	8/8.6 (MCS0)	-0.22	1.00	0.78	10.0	-9.22
	5190	38	n (40MHz)	13.5/15 (MCS0)	0.68	1.00	1.68	10.0	-8.32
	5230	46	n (40MHz)	13.5/15 (MCS0)	1.44	1.00	2.44	10.0	-7.56
	5190	38	ax-SU (40MHz)	16/17.2 (MCS0)	-1.30	1.00	-0.30	10.0	-10.30
	5230	46	ax-SU (40MHz)	16/17.2 (MCS0)	-0.02	1.00	0.98	10.0	-9.02
	5210	42	ac (80MHz)	29.3/32.5 (MCS0)	-3.14	1.00	-2.14	10.0	-12.14
	5210	42	ax-SU (80MHz)	34/36.0 (MCS0)	-4.97	1.00	-3.97	10.0	-13.97

Table 7-107. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 4b (Low Data Rate)

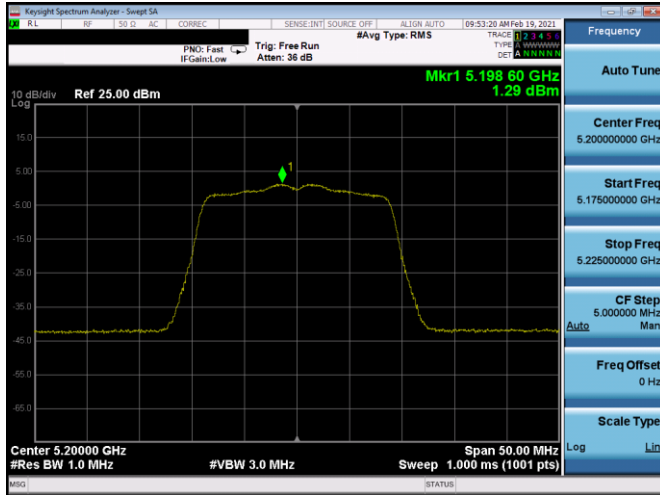
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	26/28.9 (MCS3)	1.88	1.00	2.88	10.0	-7.12
	5200	40	n (20MHz)	26/28.9 (MCS3)	1.84	1.00	2.84	10.0	-7.16
	5240	48	n (20MHz)	26/28.9 (MCS3)	1.82	1.00	2.82	10.0	-7.18
	5180	36	ax-SU (20MHz)	33/34.4 (MCS3)	0.11	1.00	1.11	10.0	-8.89
	5200	40	ax-SU (20MHz)	33/34.4 (MCS3)	0.29	1.00	1.29	10.0	-8.71
	5240	48	ax-SU (20MHz)	33/34.4 (MCS3)	0.35	1.00	1.35	10.0	-8.65
	5190	38	n (40MHz)	54/60 (MCS3)	0.73	1.00	1.73	10.0	-8.27
	5230	46	n (40MHz)	54/60 (MCS3)	1.60	1.00	2.60	10.0	-7.40
	5190	38	ax-SU (40MHz)	65/68.8 (MCS3)	-1.73	1.00	-0.73	10.0	-10.73
	5230	46	ax-SU (40MHz)	65/68.8 (MCS3)	0.01	1.00	1.01	10.0	-8.99
	5210	42	ac (80MHz)	117/130 (MCS3)	-4.58	1.00	-3.58	10.0	-13.58
	5210	42	ax-SU (80MHz)	136/144.1 (MCS3)	-6.12	1.00	-5.12	10.0	-15.12

Table 7-108. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 4b (Mid Data Rate)

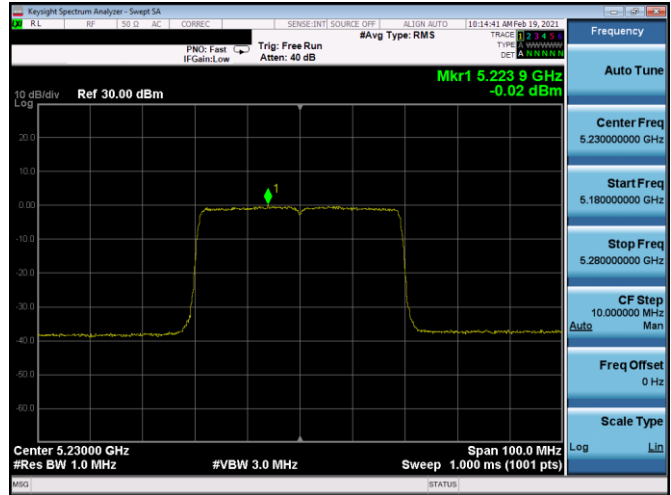
	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Density [dBm]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	52/57.8 (MCS5)	1.35	1.00	2.35	10.0	-7.65
	5200	40	n (20MHz)	52/57.8 (MCS5)	1.54	1.00	2.54	10.0	-7.46
	5240	48	n (20MHz)	52/57.8 (MCS5)	1.36	1.00	2.36	10.0	-7.64
	5180	36	ax-SU (20MHz)	135/143.4 (MCS11)	1.16	1.00	2.16	10.0	-7.84
	5200	40	ax-SU (20MHz)	135/143.4 (MCS11)	1.16	1.00	2.16	10.0	-7.84
	5240	48	ax-SU (20MHz)	135/143.4 (MCS11)	1.27	1.00	2.27	10.0	-7.73
	5190	38	n (40MHz)	108/120 (MCS5)	-0.47	1.00	0.53	10.0	-9.47
	5230	46	n (40MHz)	108/120 (MCS5)	1.06	1.00	2.06	10.0	-7.94
	5190	38	ax-SU (40MHz)	271/286.8 (MCS11)	-2.09	1.00	-1.09	10.0	-11.09
	5230	46	ax-SU (40MHz)	271/286.8 (MCS11)	1.13	1.00	2.13	10.0	-7.87
	5210	42	ac (80MHz)	234/260 (MCS5)	-5.26	1.00	-4.26	10.0	-14.26
	5210	42	ax-SU (80MHz)	567/600.5 (MCS11)	-6.54	1.00	-5.54	10.0	-15.54

Table 7-109. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 4b (High Data Rate)

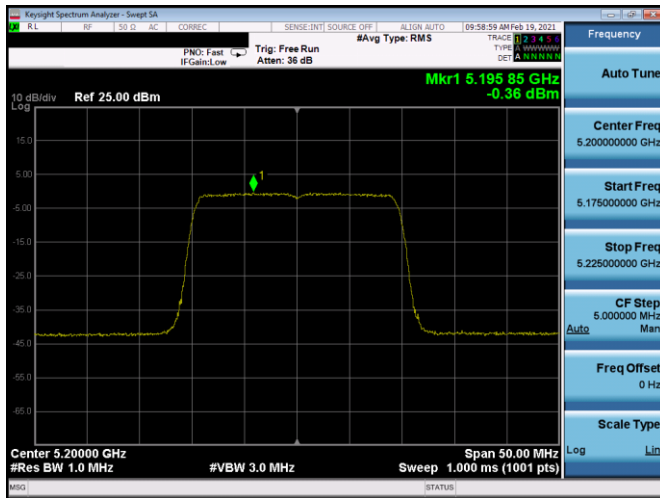
FCC ID: BCGA2301 IC: 579C-A2301	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device	Page 124 of 354



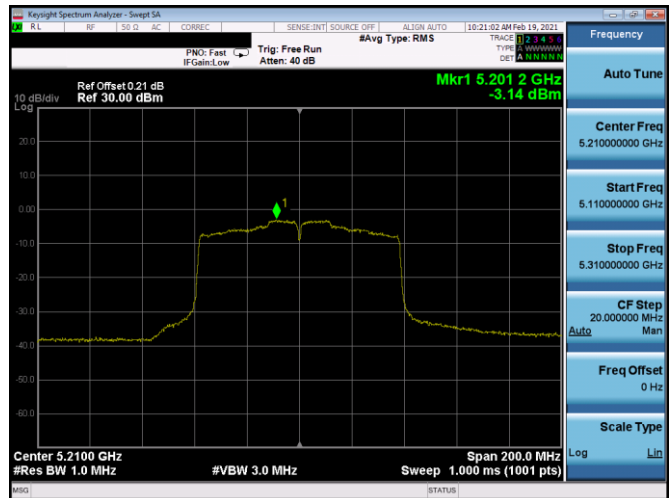
Plot 7-307. ISED PSD Antenna 4b (20MHz BW 11n – Ch.40, MCS0)



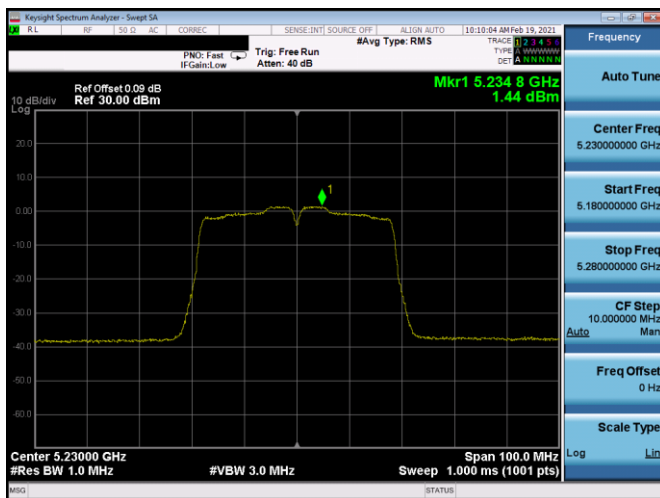
Plot 7-310. ISED PSD Antenna 4b (40MHz BW 11ax(SU) – Ch.46, MCS0)



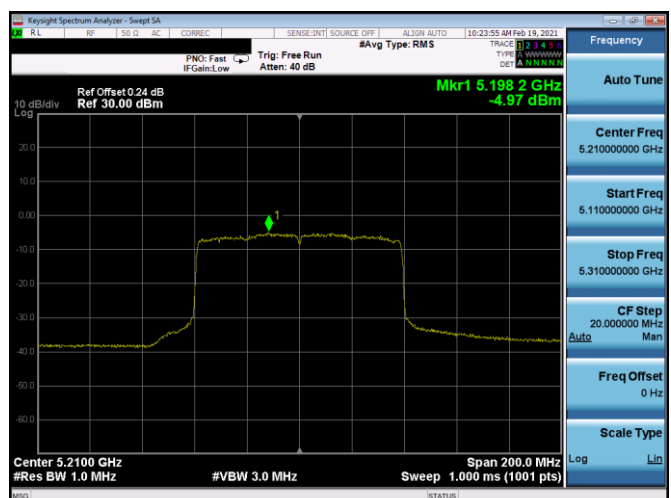
Plot 7-308. ISED PSD Antenna 4b (20MHz BW 11ax(SU) – Ch.40, MCS0)



Plot 7-311. ISED PSD Antenna 4b (80MHz BW 11ac – Ch.42, MCS0)

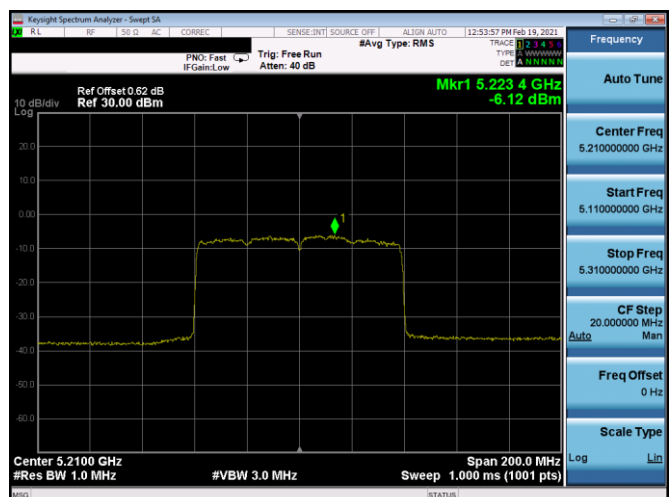
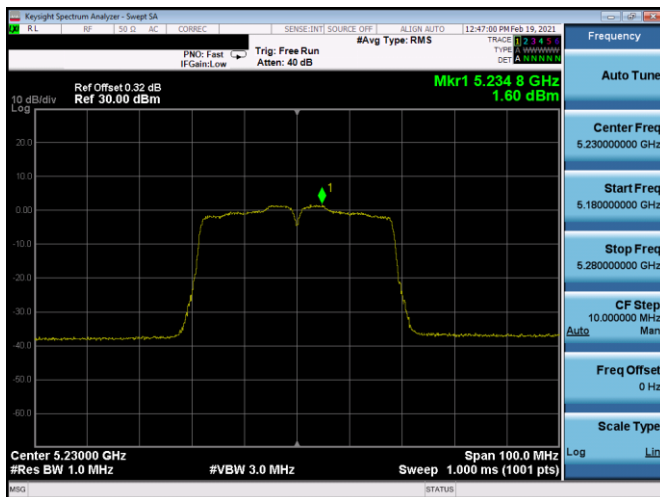
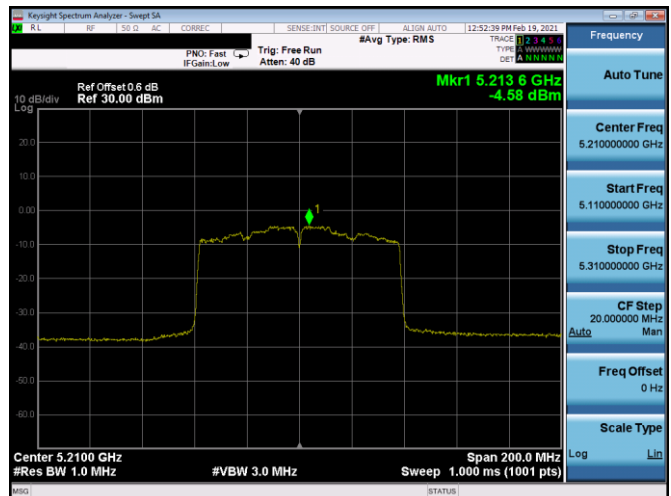
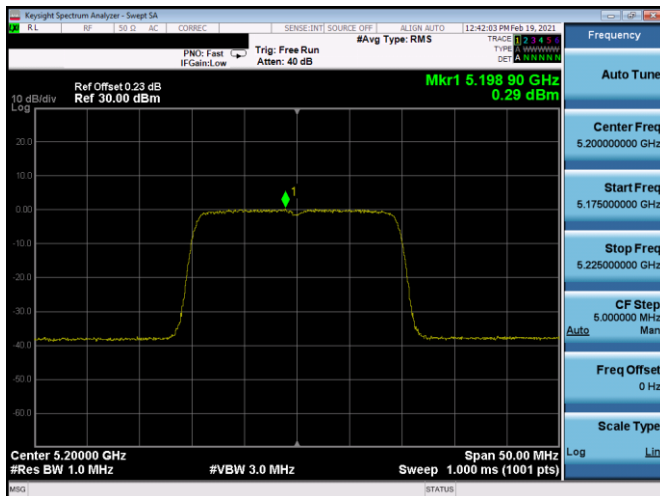
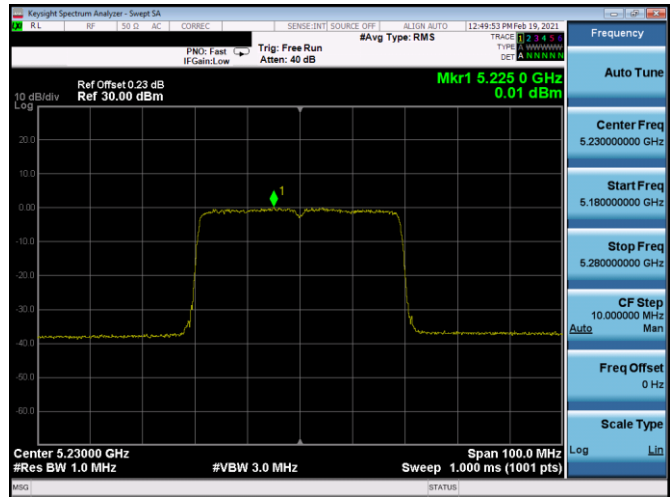
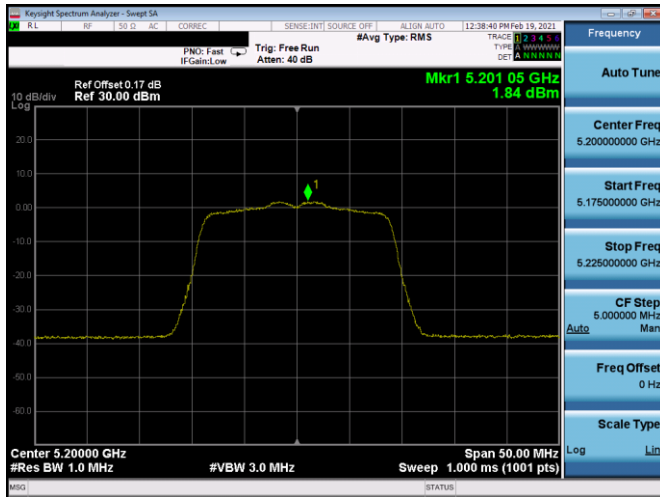


Plot 7-309. ISED PSD Antenna 4b (40MHz BW 11n – Ch.46, MCS0)

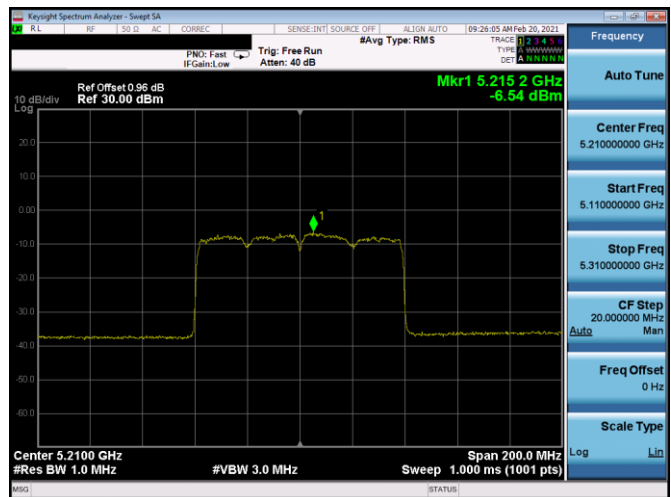
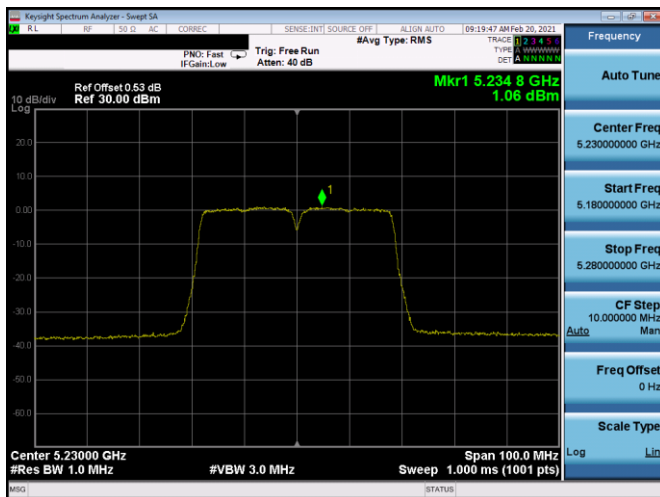
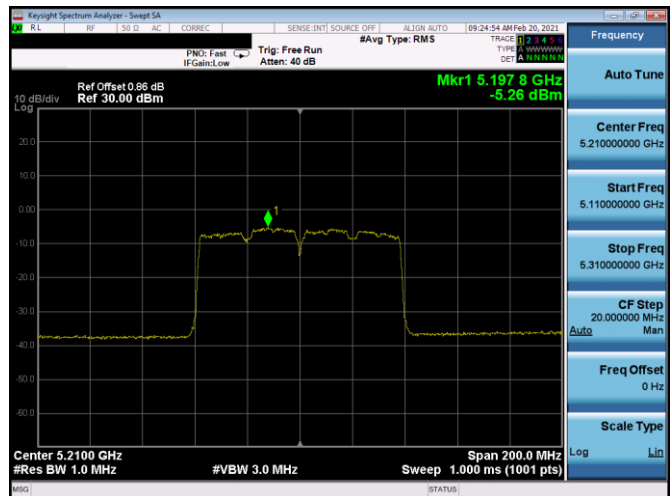
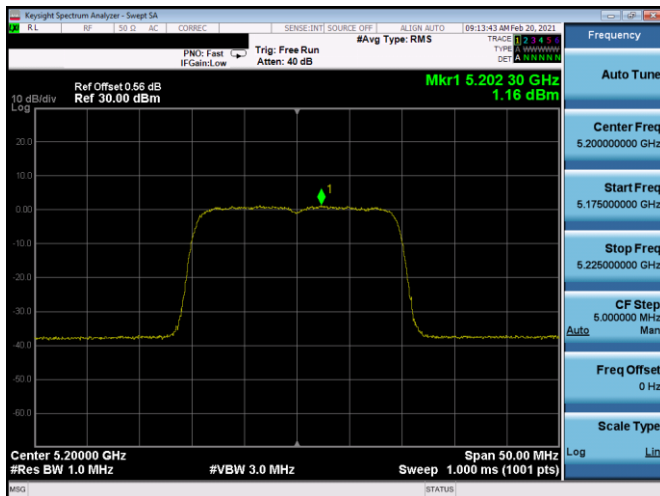
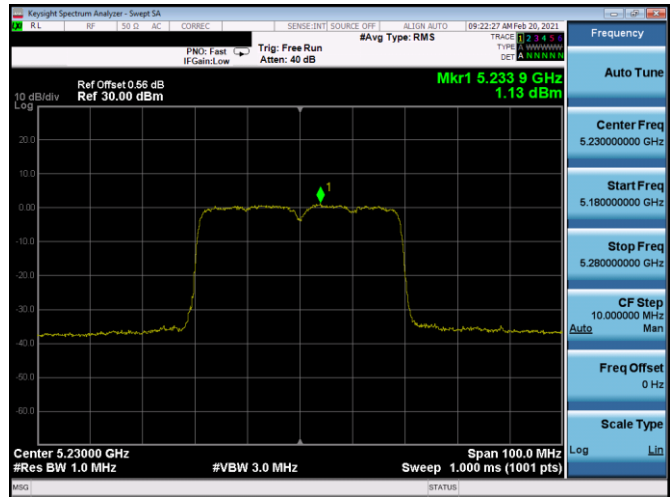
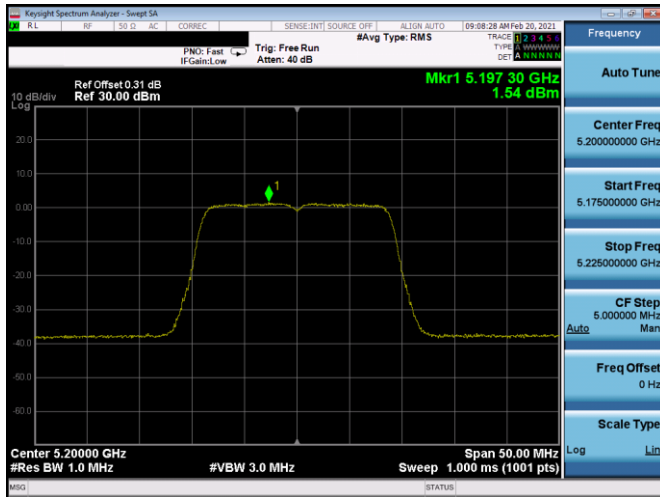


Plot 7-312. ISED PSD Antenna 4b (80MHz BW 11ax (SU) – Ch.42, MCS0)

FCC ID: BCGA2301 IC: 579C-A2301	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device	Page 125 of 354



FCC ID: BCGA2301 IC: 579C-A2301			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device		Page 126 of 354



FCC ID: BCGA2301 IC: 579C-A2301			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device		Page 127 of 354

7.5.3 Summed CDD/SDM Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 5b Power Density [dBm/MHz]	Antenna 4b Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	SDM	13/14.4 (MCS8)	6.71	6.89	9.81	11.0	-1.19
	5200	40	n (20MHz)	SDM	13/14.4 (MCS8)	6.86	6.74	9.81	11.0	-1.19
	5240	48	n (20MHz)	SDM	13/14.4 (MCS8)	7.00	7.06	10.04	11.0	-0.96
	5180	36	ax-SU (20MHz)	SDM	16/17.2 (MCS0)	5.62	6.85	9.29	11.0	-1.71
	5200	40	ax-SU (20MHz)	SDM	16/17.2 (MCS0)	7.06	7.40	10.24	11.0	-0.76
	5240	48	ax-SU (20MHz)	SDM	16/17.2 (MCS0)	7.20	7.55	10.39	11.0	-0.61
	5190	38	n (40MHz)	CDD	27/30 (MCS8)	-1.78	-1.20	1.53	11.0	-9.47
	5230	46	n (40MHz)	SDM	27/30 (MCS8)	6.32	7.22	9.80	11.0	-1.20
	5190	38	ax-SU (40MHz)	CDD	32/34.4 (MCS0)	-1.73	-0.90	1.72	11.0	-9.28
	5230	46	ax-SU (40MHz)	CDD	32/34.4 (MCS0)	3.68	4.04	6.87	11.0	-4.13
Band 2A	5210	42	ac (80MHz)	CDD	58.5/65 (MCS0)	-2.64	-2.33	0.53	11.0	-10.47
	5210	42	ax-SU (80MHz)	CDD	68/72 (MCS0)	-5.06	-4.76	-1.90	11.0	-12.90
	5260	52	n (20MHz)	SDM	13/14.4 (MCS8)	5.67	4.49	8.13	11.0	-2.87
	5280	56	n (20MHz)	SDM	13/14.4 (MCS8)	5.78	4.62	8.25	11.0	-2.75
	5320	64	n (20MHz)	SDM	13/14.4 (MCS8)	5.79	4.92	8.39	11.0	-2.61
	5260	52	ax-SU (20MHz)	SDM	16/17.2 (MCS0)	3.58	3.99	6.80	11.0	-4.20
	5280	56	ax-SU (20MHz)	SDM	16/17.2 (MCS0)	4.37	4.32	7.36	11.0	-3.64
	5320	64	ax-SU (20MHz)	SDM	16/17.2 (MCS0)	4.15	4.30	7.24	11.0	-3.76
	5270	54	n (40MHz)	SDM	27/30 (MCS8)	6.30	7.34	9.86	11.0	-1.14
	5310	62	n (40MHz)	CDD	27/30 (MCS8)	4.00	3.63	6.83	11.0	-4.17
Band 2C	5270	54	ax-SU (40MHz)	SDM	32/34.4 (MCS0)	5.11	5.29	8.21	11.0	-2.79
	5310	62	ax-SU (40MHz)	CDD	32/34.4 (MCS0)	-0.32	0.47	3.10	11.0	-7.90
	5290	58	ac (80MHz)	CDD	58.5/65 (MCS0)	-0.47	-0.60	2.48	11.0	-8.52
	5290	58	ax-SU (80MHz)	CDD	68/72 (MCS0)	-1.88	-2.05	1.05	11.0	-9.95
	5500	100	n (20MHz)	SDM	13/14.4 (MCS8)	5.67	5.52	8.61	11.0	-2.39
	5580	116	n (20MHz)	SDM	13/14.4 (MCS8)	6.21	6.10	9.17	11.0	-1.83
	5720	144	n (20MHz)	SDM	13/14.4 (MCS8)	4.06	4.26	7.17	11.0	-3.83
	5500	100	ax-SU (20MHz)	SDM	16/17.2 (MCS0)	7.14	6.52	9.85	11.0	-1.15
	5580	116	ax-SU (20MHz)	SDM	16/17.2 (MCS0)	5.12	4.17	7.68	11.0	-3.32
	5720	144	ax-SU (20MHz)	SDM	16/17.2 (MCS0)	5.12	4.20	7.69	11.0	-3.31
	5510	102	n (40MHz)	CDD	27/30 (MCS8)	1.69	1.54	4.63	11.0	-6.37
	5550	110	n (40MHz)	SDM	27/30 (MCS8)	4.29	5.58	7.99	11.0	-3.01
	*5590	118	n (40MHz)	SDM	27/30 (MCS8)	5.95	5.13	8.57	11.0	-2.43
	5710	142	n (40MHz)	SDM	27/30 (MCS8)	4.11	3.86	7.00	11.0	-4.00
	5510	102	ax-SU (40MHz)	CDD	32/34.4 (MCS0)	-1.16	-2.09	1.41	11.0	-9.59
	5550	110	ax-SU (40MHz)	CDD	32/34.4 (MCS0)	3.65	3.50	6.59	11.0	-4.41
	*5590	118	ax-SU (40MHz)	SDM	32/34.4 (MCS0)	4.25	3.13	6.74	11.0	-4.26
	5710	142	ax-SU (40MHz)	SDM	32/34.4 (MCS0)	4.80	4.60	7.71	11.0	-3.29
	5530	106	ac (80MHz)	CDD	58.5/65 (MCS0)	-0.76	-1.89	1.72	11.0	-9.28
	*5610	122	ac (80MHz)	CDD	58.5/65 (MCS0)	1.73	0.88	4.34	11.0	-6.66
	5690	138	ac (80MHz)	CDD	58.5/65 (MCS0)	4.04	3.50	6.79	11.0	-4.21
	5530	106	ax-SU (80MHz)	CDD	68/72 (MCS0)	-2.01	-3.25	0.42	11.0	-10.58
	*5610	122	ax-SU (80MHz)	CDD	68/72 (MCS0)	-2.93	-1.64	0.77	11.0	-10.23
	5690	138	ax-SU (80MHz)	CDD	68/72 (MCS0)	2.64	2.74	5.70	11.0	-5.30

Table 7-110. Bands 1, 2A, 2C CDD/SDM Power Spectral Density Measurements (Low Data Rate)

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

FCC ID: BCGA2301 IC: 579C-A2301	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device	Page 128 of 354

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 5b Power Density [dBm/MHz]	Antenna 4b Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	n (20MHz)	SDM	52/57.8 (MCS11)	4.84	5.20	8.03	11.0	-2.97
	5200	40	n (20MHz)	SDM	52/57.8 (MCS11)	7.24	6.65	9.97	11.0	-1.03
	5240	48	n (20MHz)	SDM	52/57.8 (MCS11)	7.15	7.25	10.21	11.0	-0.79
	5180	36	ax-SU (20MHz)	SDM	66/68.8 (MCS3)	5.70	6.69	9.23	11.0	-1.77
	5200	40	ax-SU (20MHz)	SDM	66/68.8 (MCS3)	5.18	5.64	8.43	11.0	-2.57
	5240	48	ax-SU (20MHz)	SDM	66/68.8 (MCS3)	7.67	7.27	10.48	11.0	-0.52
	5190	38	n (40MHz)	CDD	108/120 (MCS11)	0.09	1.18	3.68	11.0	-7.32
	5230	46	n (40MHz)	SDM	108/120 (MCS11)	5.94	6.65	9.32	11.0	-1.68
	5190	38	ax-SU (40MHz)	CDD	130/137.6 (MCS3)	-1.74	-1.44	1.42	11.0	-9.58
	5230	46	ax-SU (40MHz)	CDD	130/137.6 (MCS3)	3.91	4.07	7.00	11.0	-4.00
	5210	42	ac (80MHz)	CDD	234/260 (MCS3)	-2.87	-2.46	0.35	11.0	-10.65
	5210	42	ax-SU (80MHz)	CDD	272/288.2 (MCS3)	-6.00	-5.27	-2.61	11.0	-13.61
Band 2A	5260	52	n (20MHz)	SDM	52/57.8 (MCS11)	7.88	6.71	10.34	11.0	-0.66
	5280	56	n (20MHz)	SDM	52/57.8 (MCS11)	7.89	6.71	10.35	11.0	-0.65
	5320	64	n (20MHz)	SDM	52/57.8 (MCS11)	7.69	6.76	10.26	11.0	-0.74
	5260	52	ax-SU (20MHz)	SDM	66/68.8 (MCS3)	7.41	7.33	10.38	11.0	-0.62
	5280	56	ax-SU (20MHz)	SDM	66/68.8 (MCS3)	5.81	5.90	8.87	11.0	-2.13
	5320	64	ax-SU (20MHz)	SDM	66/68.8 (MCS3)	7.09	6.96	10.04	11.0	-0.96
	5270	54	n (40MHz)	SDM	108/120 (MCS11)	6.62	7.40	10.04	11.0	-0.96
	5310	62	n (40MHz)	CDD	108/120 (MCS11)	1.33	2.00	4.69	11.0	-6.31
	5270	54	ax-SU (40MHz)	CDD	130/137.6 (MCS3)	4.50	4.69	7.61	11.0	-3.39
	5310	62	ax-SU (40MHz)	CDD	130/137.6 (MCS3)	-0.55	-0.37	2.55	11.0	-8.45
	5290	58	ac (80MHz)	CDD	234/260 (MCS3)	-1.29	-1.08	1.83	11.0	-9.17
	5290	58	ax-SU (80MHz)	CDD	272/288.2 (MCS3)	-0.55	0.02	2.75	11.0	-8.25
Band 2C	5500	100	n (20MHz)	CDD	52/57.8 (MCS11)	5.34	4.73	8.06	11.0	-2.94
	5580	116	n (20MHz)	SDM	52/57.8 (MCS11)	6.92	6.57	9.76	11.0	-1.24
	5720	144	n (20MHz)	SDM	52/57.8 (MCS11)	7.17	7.21	10.20	11.0	-0.80
	5500	100	ax-SU (20MHz)	CDD	66/68.8 (MCS3)	6.35	5.86	9.12	11.0	-1.88
	5580	116	ax-SU (20MHz)	SDM	66/68.8 (MCS3)	5.82	5.00	8.44	11.0	-2.56
	5720	144	ax-SU (20MHz)	SDM	66/68.8 (MCS3)	5.70	5.18	8.46	11.0	-2.54
	5510	102	n (40MHz)	CDD	108/120 (MCS11)	2.06	1.65	4.87	11.0	-6.13
	5550	110	n (40MHz)	SDM	108/120 (MCS11)	6.40	5.72	9.08	11.0	-1.92
	*5590	118	n (40MHz)	SDM	108/120 (MCS11)	6.12	5.40	8.79	11.0	-2.21
	5710	142	n (40MHz)	SDM	108/120 (MCS11)	4.52	4.20	7.37	11.0	-3.63
	5510	102	ax-SU (40MHz)	CDD	130/137.6 (MCS3)	-2.04	-2.69	0.66	11.0	-10.34
	5550	110	ax-SU (40MHz)	CDD	130/137.6 (MCS3)	3.46	2.41	5.98	11.0	-5.02
	*5590	118	ax-SU (40MHz)	SDM	130/137.6 (MCS3)	4.57	3.49	7.07	11.0	-3.93
	5710	142	ax-SU (40MHz)	SDM	130/137.6 (MCS3)	5.45	5.15	8.31	11.0	-2.69
	5530	106	ac (80MHz)	CDD	234/260 (MCS3)	-1.47	-1.98	1.29	11.0	-9.71
	*5610	122	ac (80MHz)	CDD	234/260 (MCS3)	2.05	1.36	4.73	11.0	-6.27
	5690	138	ac (80MHz)	CDD	234/260 (MCS3)	4.63	3.90	7.29	11.0	-3.71
	5530	106	ax-SU (80MHz)	CDD	272/288.2 (MCS3)	-5.32	-4.18	-1.70	11.0	-12.70
	*5610	122	ax-SU (80MHz)	CDD	272/288.2 (MCS3)	-0.47	-1.48	2.06	11.0	-8.94
	5690	138	ax-SU (80MHz)	CDD	272/288.2 (MCS3)	0.40	0.18	3.30	11.0	-7.70

Table 7-111. Bands 1, 2A, 2C CDD/SDM Power Spectral Density Measurements (Mid Data Rate)

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

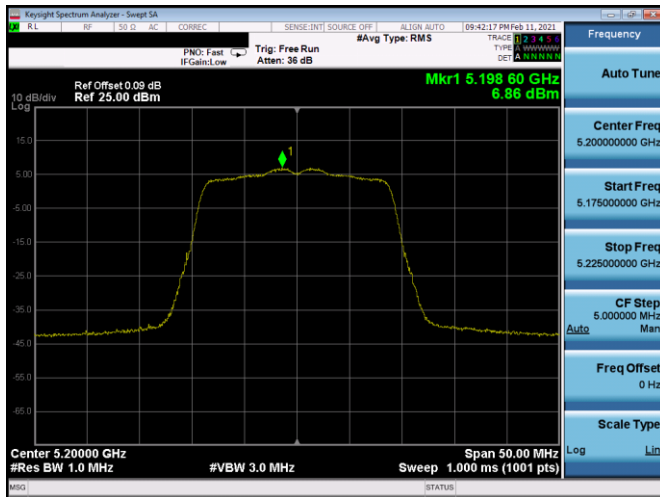
FCC ID: BCGA2301 IC: 579C-A2301	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device	Page 129 of 354

	Frequency [MHz]	Channel No.	802.11 Mode	Mode	Data Rate [Mbps]	Antenna 5b Power Density [dBm/MHz]	Antenna 4b 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)	3.41	3.69	6.56	11.0	-4.44
	5200	40	n (20MHz)	SDM	104/115.6 (MCS13)	5.23	5.76	8.51	11.0	-2.49
	5240	48	n (20MHz)	SDM	104/115.6 (MCS13)	5.89	6.42	9.17	11.0	-1.83
	5180	36	ax-SU (20MHz)	CDD	270/286.8 (MCS11)	3.25	2.50	5.90	11.0	-5.10
	5200	40	ax-SU (20MHz)	SDM	270/286.8 (MCS11)	5.10	5.76	8.45	11.0	-2.55
	5240	48	ax-SU (20MHz)	SDM	270/286.8 (MCS11)	7.54	7.30	10.43	11.0	-0.57
	5190	38	n (40MHz)	CDD	216/240 (MCS13)	-2.13	-1.41	1.26	11.0	-9.74
	5230	46	n (40MHz)	CDD	216/240 (MCS13)	3.77	4.44	7.13	11.0	-3.87
	5190	38	ax-SU (40MHz)	CDD	542/573.5 (MCS11)	-2.68	-2.51	0.42	11.0	-10.58
	5230	46	ax-SU (40MHz)	CDD	542/573.5 (MCS11)	3.76	3.99	6.89	11.0	-4.11
	5210	42	ac (80MHz)	CDD	468/520 (MCS5)	-5.35	-4.92	-2.12	11.0	-13.12
Band 2A	5210	42	ax-SU (80MHz)	CDD	1134/1201 (MCS11)	-5.30	-5.43	-2.35	11.0	-13.35
	5260	52	n (20MHz)	SDM	104/115.6 (MCS13)	6.18	6.40	9.30	11.0	-1.70
	5280	56	n (20MHz)	SDM	104/115.6 (MCS13)	6.18	6.57	9.39	11.0	-1.61
	5320	64	n (20MHz)	SDM	104/115.6 (MCS13)	6.20	6.54	9.38	11.0	-1.62
	5260	52	ax-SU (20MHz)	SDM	270/286.8 (MCS11)	7.17	7.33	10.26	11.0	-0.74
	5280	56	ax-SU (20MHz)	SDM	270/286.8 (MCS11)	5.97	6.07	9.03	11.0	-1.97
	5320	64	ax-SU (20MHz)	SDM	270/286.8 (MCS11)	6.87	6.96	9.93	11.0	-1.07
	5270	54	n (40MHz)	SDM	216/240 (MCS13)	5.43	6.09	8.78	11.0	-2.22
	5310	62	n (40MHz)	CDD	216/240 (MCS13)	-0.57	0.05	2.76	11.0	-8.24
	5270	54	ax-SU (40MHz)	CDD	542/573.5 (MCS11)	3.98	4.66	7.34	11.0	-3.66
	5310	62	ax-SU (40MHz)	CDD	542/573.5 (MCS11)	-1.05	-0.46	2.27	11.0	-8.73
Band 2C	5290	58	ac (80MHz)	CDD	468/520 (MCS5)	-2.73	-2.64	0.33	11.0	-10.67
	5290	58	ax-SU (80MHz)	CDD	1134/1201 (MCS11)	-3.48	-3.61	-0.53	11.0	-11.53
	5500	100	n (20MHz)	CDD	104/115.6 (MCS13)	1.05	1.92	4.52	11.0	-6.48
	5580	116	n (20MHz)	SDM	104/115.6 (MCS13)	4.35	5.42	7.93	11.0	-3.07
	5720	144	n (20MHz)	SDM	104/115.6 (MCS13)	6.22	6.11	9.17	11.0	-1.83
	5500	100	ax-SU (20MHz)	CDD	270/286.8 (MCS11)	4.14	3.58	6.88	11.0	-4.12
	5580	116	ax-SU (20MHz)	SDM	270/286.8 (MCS11)	6.04	5.30	8.70	11.0	-2.30
	5720	144	ax-SU (20MHz)	SDM	270/286.8 (MCS11)	5.58	5.38	8.49	11.0	-2.51
	5510	102	n (40MHz)	CDD	216/240 (MCS13)	-2.69	-3.12	0.11	11.0	-10.89
	5550	110	n (40MHz)	CDD	216/240 (MCS13)	4.70	4.58	7.65	11.0	-3.35
	*5590	118	n (40MHz)	SDM	216/240 (MCS13)	4.94	4.55	7.76	11.0	-3.24
	5710	142	n (40MHz)	SDM	216/240 (MCS13)	2.83	2.67	5.76	11.0	-5.24
	5510	102	ax-SU (40MHz)	CDD	542/573.5 (MCS11)	-3.50	-4.35	-0.89	11.0	-11.89
	5550	110	ax-SU (40MHz)	CDD	542/573.5 (MCS11)	2.35	1.21	4.83	11.0	-6.17
	*5590	118	ax-SU (40MHz)	CDD	542/573.5 (MCS11)	4.89	4.02	7.49	11.0	-3.51
	5710	142	ax-SU (40MHz)	SDM	542/573.5 (MCS11)	5.55	5.30	8.44	11.0	-2.56
	5530	106	ac (80MHz)	CDD	468/520 (MCS5)	-4.13	-4.78	-1.43	11.0	-12.43
	*5610	122	ac (80MHz)	CDD	468/520 (MCS5)	-0.20	-0.88	2.48	11.0	-8.52
	5690	138	ac (80MHz)	CDD	468/520 (MCS5)	2.99	2.83	5.92	11.0	-5.08
	5530	106	ax-SU (80MHz)	CDD	1134/1201 (MCS11)	-4.36	-5.02	-1.67	11.0	-12.67
	*5610	122	ax-SU (80MHz)	CDD	1134/1201 (MCS11)	0.54	-0.72	2.97	11.0	-8.03
	5690	138	ax-SU (80MHz)	CDD	1134/1201 (MCS11)	0.66	0.44	3.56	11.0	-7.44

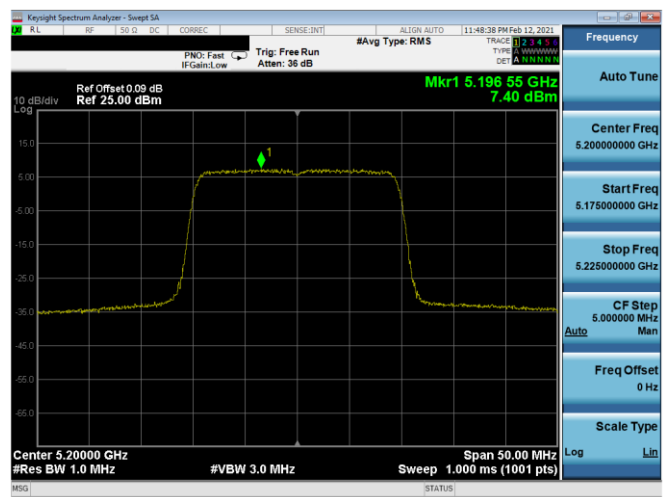
Table 7-112. Bands 1, 2A, 2C CDD/SDM Power Spectral Density Measurements (High Data Rate)

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

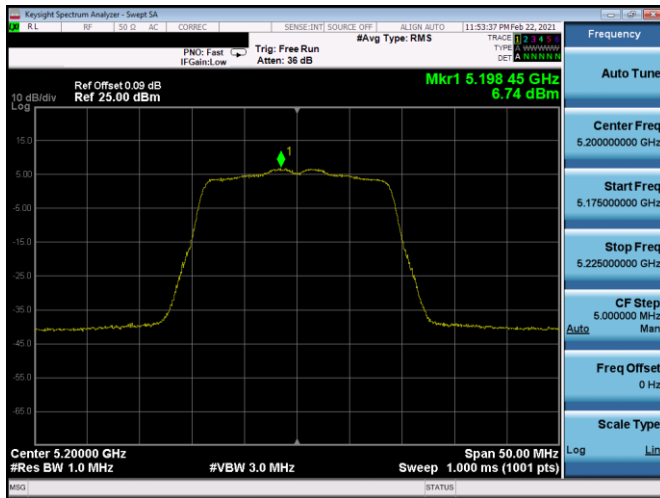
FCC ID: BCGA2301 IC: 579C-A2301	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device	Page 130 of 354



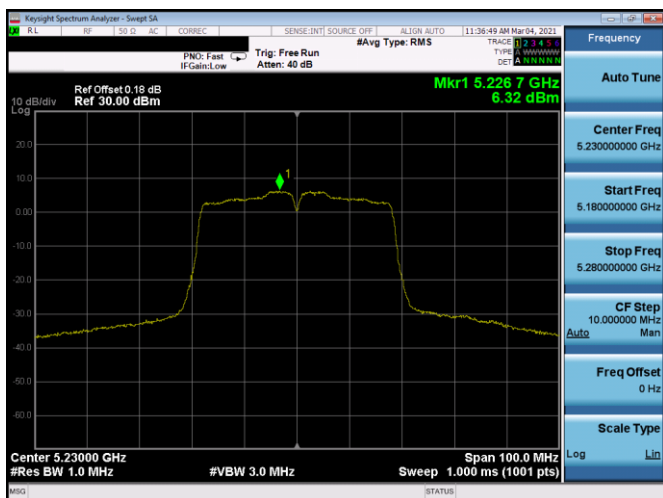
Plot 7-325. PSD SDM Antenna 5b (20MHz BW 802.11n - Ch. 40, MCS8)



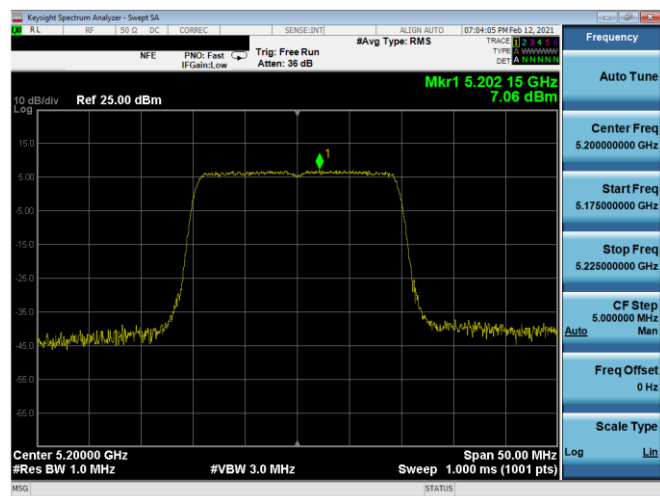
Plot 7-328. PSD SDM Antenna 4b (20MHz BW 802.11ax(SU) - Ch. 40, MCS0)



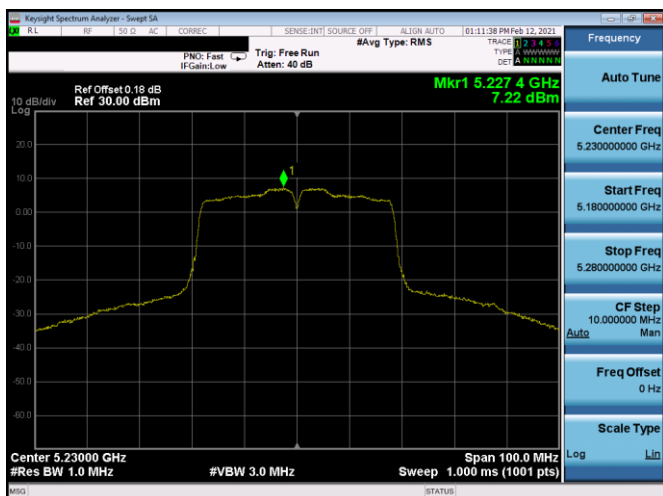
Plot 7-326. PSD SDM Antenna 4b (20MHz BW 802.11n - Ch. 40, MCS8)



Plot 7-329. PSD SDM Antenna 5b (40MHz BW 802.11n - Ch. 46, MCS8)

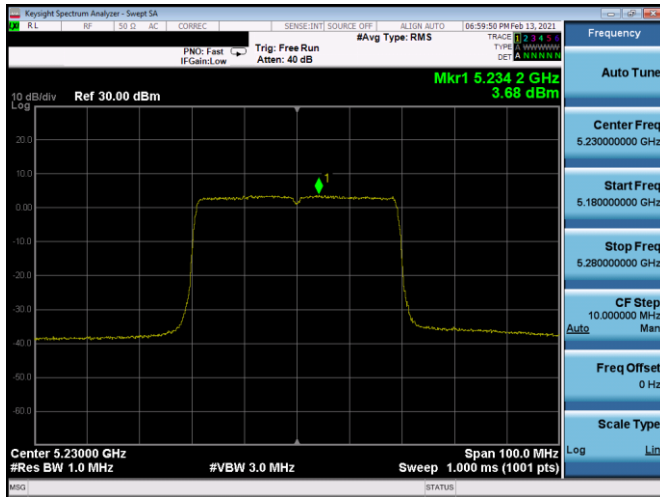


Plot 7-327. PSD SDM Antenna 5b (20MHz BW 802.11ax(SU) - Ch. 40, MCS0)

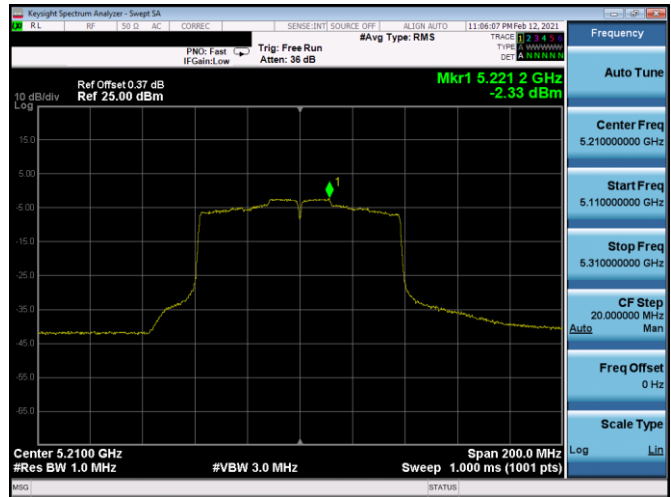


Plot 7-330. PSD SDM Antenna 4b (40MHz BW 802.11n - Ch. 46, MCS8)

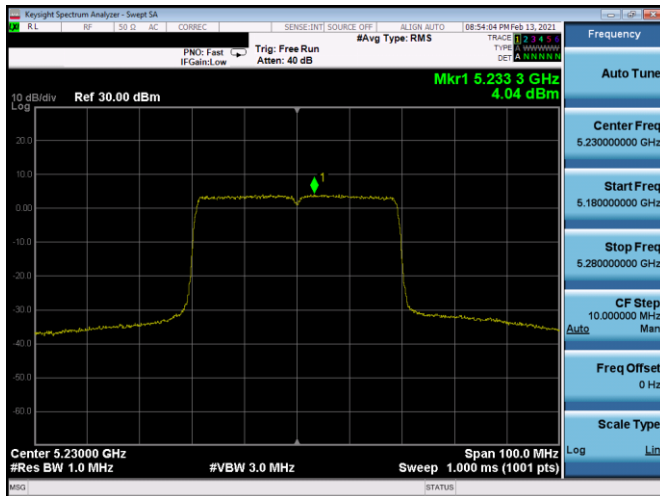
FCC ID: BCGA2301 IC: 579C-A2301	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device	Page 131 of 354



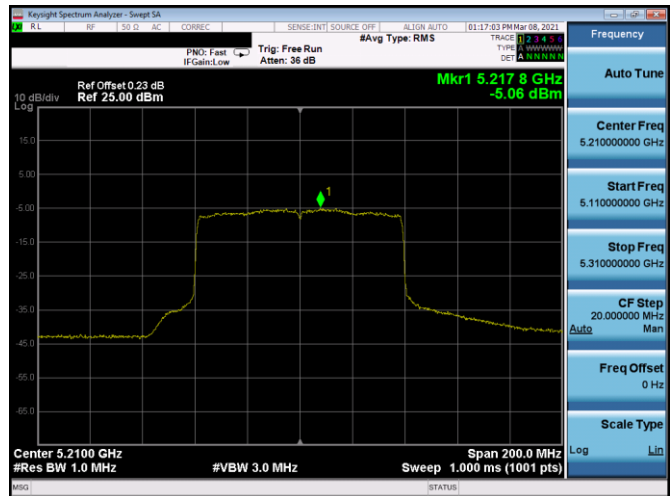
Plot 7-331. PSD CDD Antenna 5b (40MHz BW 802.11ax(SU) – Ch. 46, MCS0)



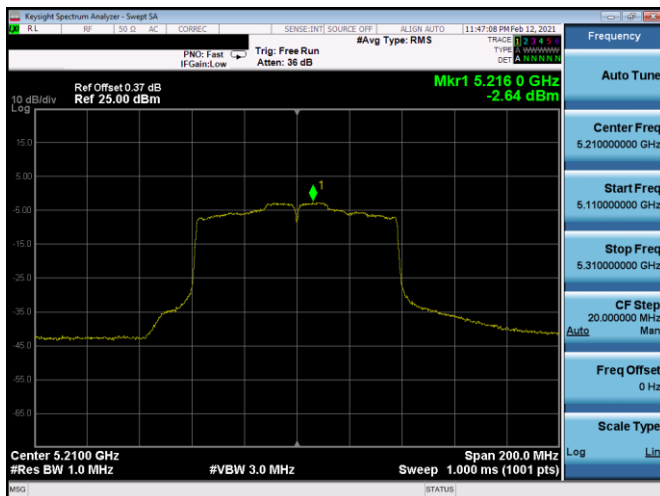
Plot 7-334. PSD CDD Antenna 4b (80MHz BW 802.11ac – Ch. 42, MCS0)



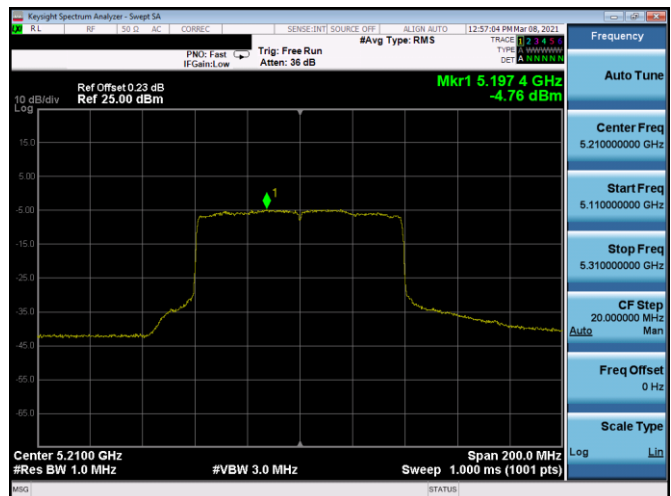
Plot 7-332. PSD CDD Antenna 4b (40MHz BW 802.11ax(SU) – Ch. 46, MCS0)



Plot 7-335. PSD CDD Antenna 5b (80MHz BW 802.11ax(SU) – Ch. 42, MCS0)

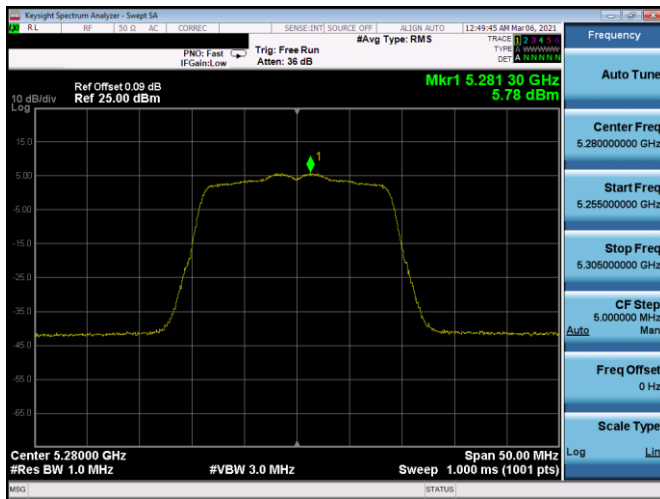


Plot 7-333. PSD CDD Antenna 5b (80MHz BW 802.11ac – Ch. 42, MCS0)

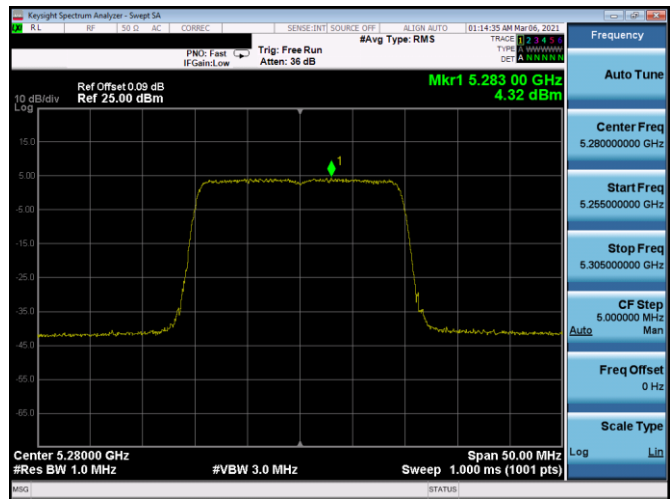


Plot 7-336. PSD CDD Antenna 4b (80MHz BW 802.11ax(SU) – Ch. 42, MCS0)

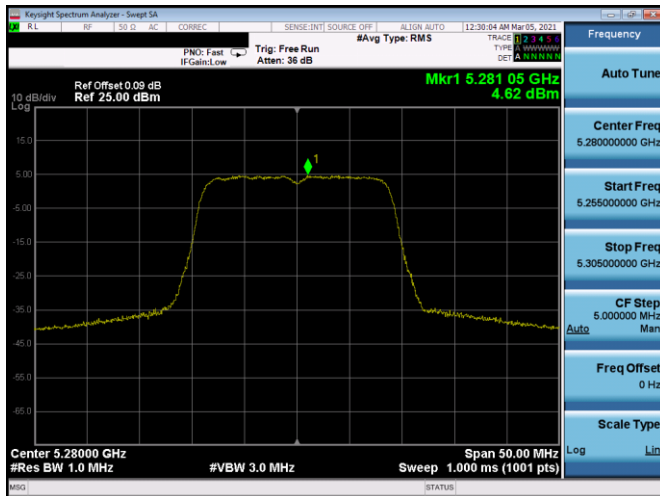
FCC ID: BCGA2301 IC: 579C-A2301	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020002-15.BCG	Test Dates: 12/12/2020 - 3/10/2021	EUT Type: Tablet Device	Page 132 of 354



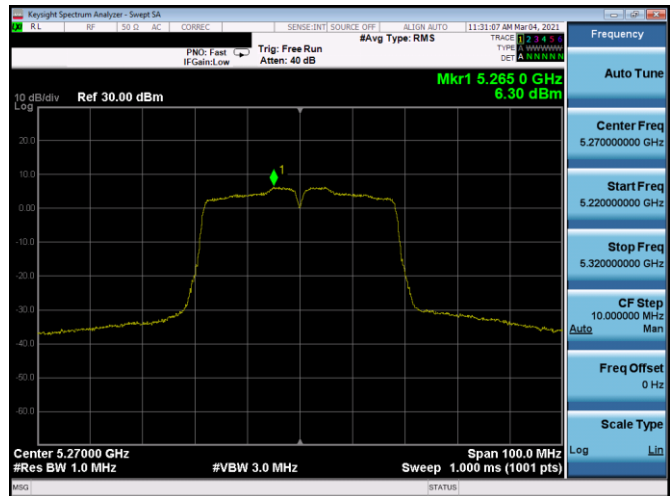
Plot 7-337. PSD SDM Antenna 5b (20MHz BW 802.11n - Ch. 56, MCS8)



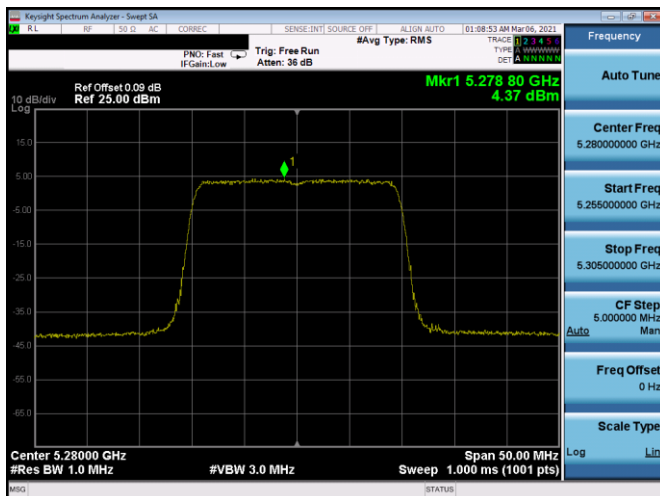
Plot 7-340. PSD SDM Antenna 4b (20MHz BW 802.11ax(SU) - Ch. 56, MCS0)



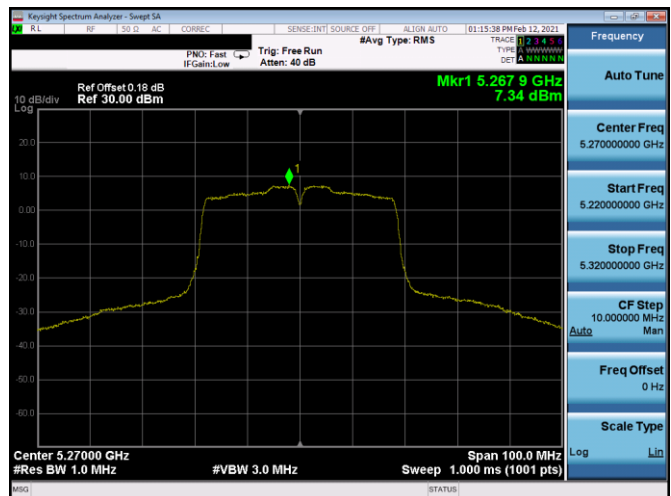
Plot 7-338. PSD SDM Antenna 4b (20MHz BW 802.11n - Ch. 56, MCS8)



Plot 7-341. PSD SDM Antenna 5b (40MHz BW 802.11n - Ch. 54, MCS8)



Plot 7-339. PSD SDM Antenna 5b (20MHz BW 802.11ax(SU) - Ch. 56, MCS0)



Plot 7-342. PSD SDM Antenna 4b (40MHz BW 802.11n - Ch. 54, MCS8)

FCC ID: BCGA2301 IC: 579C-A2301		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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