

7.4.27 FCC CDD Primary Conducted Output Power Measurements (RU52)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 3a	Summed		
5260	52		CDD	52	37	50/58.8 (MCS11)	11.74	11.86	14.81	23.80	-8.99
			CDD	52	39	50/58.8 (MCS11)	11.89	11.72	14.82	23.80	-8.98
			CDD	52	40	50/58.8 (MCS11)	11.64	11.87	14.76	23.80	-9.04
5300	60		CDD	52	37	50/58.8 (MCS11)	11.79	11.64	14.73	23.80	-9.07
			CDD	52	39	50/58.8 (MCS11)	11.74	11.72	14.74	23.80	-9.06
			CDD	52	40	50/58.8 (MCS11)	12.00	11.77	14.89	23.80	-8.91
5320	64		CDD	52	37	50/58.8 (MCS11)	11.95	11.95	14.96	23.80	-8.84
			CDD	52	39	50/58.8 (MCS11)	11.61	11.67	14.65	23.80	-9.15
			CDD	52	40	50/58.8 (MCS11)	11.98	11.84	14.92	23.80	-8.88
5500	100		CDD	52	37	50/58.8 (MCS11)	11.67	11.76	14.72	23.88	-9.16
			CDD	52	39	50/58.8 (MCS11)	11.66	11.70	14.69	23.88	-9.19
			CDD	52	40	50/58.8 (MCS11)	11.81	11.94	14.88	23.88	-9.00
5580	116		CDD	52	37	50/58.8 (MCS11)	11.73	11.96	14.86	23.88	-9.02
			CDD	52	39	50/58.8 (MCS11)	11.76	11.67	14.73	23.88	-9.15
			CDD	52	40	50/58.8 (MCS11)	11.68	11.87	14.78	23.88	-9.10
5680	136		CDD	52	37	50/58.8 (MCS11)	11.94	11.69	14.83	23.88	-9.05
			CDD	52	39	50/58.8 (MCS11)	11.90	11.78	14.85	23.88	-9.03
			CDD	52	40	50/58.8 (MCS11)	11.63	11.95	14.80	23.88	-9.08
5700	140		CDD	52	37	50/58.8 (MCS11)	11.24	11.16	14.21	23.88	-9.67
			CDD	52	39	50/58.8 (MCS11)	10.85	11.21	14.04	23.88	-9.84
			CDD	52	40	50/58.8 (MCS11)	11.01	11.08	14.06	23.88	-9.82
5720	144		CDD	52	37	50/58.8 (MCS11)	11.93	11.85	14.90	23.88	-8.98
			CDD	52	39	50/58.8 (MCS11)	11.67	11.69	14.69	23.88	-9.19
			CDD	52	40	50/58.8 (MCS11)	11.78	11.99	14.90	23.88	-8.98

Table 7-95. FCC CDD Primary 20MHz BW (UNII) Maximum Conducted Output Power (RU52)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 3a	Summed		
5270	54		CDD	52	37	50/58.8 (MCS11)	11.87	11.68	14.79	23.80	-9.01
			CDD	52	40	50/58.8 (MCS11)	11.86	11.87	14.87	23.80	-8.93
			CDD	52	44	50/58.8 (MCS11)	11.80	11.91	14.87	23.80	-8.93
5310	62		CDD	52	37	50/58.8 (MCS11)	11.14	10.96	14.06	23.80	-9.74
			CDD	52	40	50/58.8 (MCS11)	11.20	11.00	14.11	23.80	-9.69
			CDD	52	44	50/58.8 (MCS11)	11.03	11.24	14.15	23.80	-9.65
5510	102		CDD	52	37	50/58.8 (MCS11)	11.49	11.38	14.45	23.88	-9.43
			CDD	52	40	50/58.8 (MCS11)	11.21	11.16	14.20	23.88	-9.68
			CDD	52	44	50/58.8 (MCS11)	11.38	11.47	14.43	23.88	-9.45
5550	110		CDD	52	37	50/58.8 (MCS11)	11.85	11.75	14.81	23.88	-9.07
			CDD	52	40	50/58.8 (MCS11)	11.87	11.72	14.80	23.88	-9.08
			CDD	52	44	50/58.8 (MCS11)	11.92	11.67	14.81	23.88	-9.07
5710	142		CDD	52	37	50/58.8 (MCS11)	11.99	11.83	14.92	23.88	-8.96
			CDD	52	40	50/58.8 (MCS11)	11.94	11.84	14.90	23.88	-8.98
			CDD	52	44	50/58.8 (MCS11)	11.99	11.92	14.97	23.88	-8.91

Table 7-96. FCC CDD Primary 40MHz BW (UNII) Maximum Conducted Output Power (RU52)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 73 of 279

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 3a	Summed		
5GHz (80MHz Bandwidth)	5290	58	CDD	52	37	50/58.8 (MCS11)	10.07	10.23	13.16	23.80	-10.64
			CDD	52	44	50/58.8 (MCS11)	10.13	10.24	13.19	23.80	-10.61
			CDD	52	52	50/58.8 (MCS11)	10.22	9.89	13.07	23.80	-10.73
	5530	106	CDD	52	37	50/58.8 (MCS11)	10.66	10.41	13.54	23.88	-10.34
			CDD	52	44	50/58.8 (MCS11)	10.58	10.53	13.56	23.88	-10.32
			CDD	52	52	50/58.8 (MCS11)	10.48	10.61	13.56	23.88	-10.32
	5610	122	CDD	52	37	50/58.8 (MCS11)	11.74	11.81	14.79	23.88	-9.09
			CDD	52	44	50/58.8 (MCS11)	11.74	11.73	14.74	23.88	-9.14
			CDD	52	52	50/58.8 (MCS11)	11.79	11.91	14.86	23.88	-9.02
	5690	138	CDD	52	37	50/58.8 (MCS11)	11.81	11.85	14.84	23.88	-9.04
			CDD	52	44	50/58.8 (MCS11)	11.69	11.76	14.74	23.88	-9.14
			CDD	52	52	50/58.8 (MCS11)	11.81	11.70	14.77	23.88	-9.11

Table 7-97. FCC CDD Primary 80MHz BW (UNII) Maximum Conducted Output Power (RU52)

FCC ID: BCGA3355	IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device		Page 74 of 279

7.4.28 ISED CDD/SDM Primary Conducted Output Power Measurements (RU52)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 3a	Summed						
5260	52		CDD	52	37	50/58.8 (MCS11)	11.74	11.86	14.81	23.80	-8.99	2.10	16.91	29.80	-12.89
			CDD	52	39	50/58.8 (MCS11)	11.89	11.72	14.82	23.80	-8.98	2.10	16.92	29.80	-12.88
			CDD	52	40	50/58.8 (MCS11)	11.64	11.87	14.76	23.80	-9.04	2.10	16.86	29.80	-12.94
5300	60		CDD	52	37	50/58.8 (MCS11)	11.79	11.64	14.73	23.80	-9.07	2.10	16.83	29.80	-12.97
			CDD	52	39	50/58.8 (MCS11)	11.74	11.72	14.74	23.80	-9.06	2.10	16.84	29.80	-12.96
			CDD	52	40	50/58.8 (MCS11)	12.00	11.77	14.89	23.80	-8.91	2.10	16.99	29.80	-12.81
5320	64		CDD	52	37	50/58.8 (MCS11)	11.95	11.95	14.96	23.80	-8.84	2.10	17.06	29.80	-12.74
			CDD	52	39	50/58.8 (MCS11)	11.61	11.67	14.65	23.80	-9.15	2.10	16.75	29.80	-13.05
			CDD	52	40	50/58.8 (MCS11)	11.98	11.84	14.92	23.80	-8.88	2.10	17.02	29.80	-12.78
5500	100		CDD	52	37	50/58.8 (MCS11)	11.67	11.76	14.72	23.88	-9.16	3.90	18.62	29.88	-11.26
			CDD	52	39	50/58.8 (MCS11)	11.66	11.70	14.69	23.88	-9.19	3.90	18.59	29.88	-11.29
			CDD	52	40	50/58.8 (MCS11)	11.81	11.94	14.88	23.88	-9.00	3.90	18.78	29.88	-11.10
5580	116		CDD	52	37	50/58.8 (MCS11)	11.73	11.96	14.86	23.88	-9.02	3.90	18.76	29.88	-11.12
			CDD	52	39	50/58.8 (MCS11)	11.76	11.67	14.73	23.88	-9.15	3.90	18.63	29.88	-11.25
			CDD	52	40	50/58.8 (MCS11)	11.68	11.87	14.78	23.88	-9.10	3.90	18.68	29.88	-11.20
5680	136		CDD	52	37	50/58.8 (MCS11)	11.94	11.69	14.83	23.88	-9.05	3.90	18.73	29.88	-11.15
			CDD	52	39	50/58.8 (MCS11)	11.90	11.78	14.85	23.88	-9.03	3.90	18.75	29.88	-11.13
			CDD	52	40	50/58.8 (MCS11)	11.63	11.95	14.80	23.88	-9.08	3.90	18.70	29.88	-11.18
5700	140		CDD	52	37	50/58.8 (MCS11)	11.24	11.16	14.21	23.88	-9.67	3.90	18.11	29.88	-11.77
			CDD	52	39	50/58.8 (MCS11)	10.85	11.21	14.04	23.88	-9.84	3.90	17.94	29.88	-11.94
			CDD	52	40	50/58.8 (MCS11)	11.01	11.08	14.06	23.88	-9.62	3.90	17.96	29.88	-11.92
5720	144		CDD	52	37	50/58.8 (MCS11)	11.93	11.85	14.90	23.88	-8.98	3.90	18.80	29.88	-11.08
			CDD	52	39	50/58.8 (MCS11)	11.67	11.69	14.69	23.88	-9.19	3.90	18.59	29.88	-11.29
			CDD	52	40	50/58.8 (MCS11)	11.78	11.99	14.90	23.88	-8.98	3.90	18.80	29.88	-11.08

Table 7-98. ISED CDD Primary 20MHz BW (UNII) Maximum Conducted Output Power (RU52)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 3a	Summed						
5270	54		CDD	52	37	50/58.8 (MCS11)	11.87	11.68	14.79	23.80	-9.01	2.10	16.89	29.80	-12.91
			CDD	52	40	50/58.8 (MCS11)	11.86	11.87	14.87	23.80	-8.93	2.10	16.97	29.80	-12.83
			CDD	52	44	50/58.8 (MCS11)	11.80	11.91	14.87	23.80	-8.93	2.10	16.97	29.80	-12.83
5310	62		CDD	52	37	50/58.8 (MCS11)	11.14	10.96	14.06	23.80	-9.74	2.10	16.16	29.80	-13.64
			CDD	52	44	50/58.8 (MCS11)	11.03	11.24	14.15	23.80	-9.65	2.10	16.25	29.80	-13.55
			CDD	52	37	50/58.8 (MCS11)	11.49	11.38	14.45	23.88	-9.43	3.90	18.35	29.88	-11.53
5510	102		CDD	52	40	50/58.8 (MCS11)	11.21	11.16	14.20	23.88	-9.68	3.90	18.10	29.88	-11.78
			CDD	52	44	50/58.8 (MCS11)	11.38	11.47	14.43	23.88	-9.45	3.90	18.33	29.88	-11.55
			CDD	52	37	50/58.8 (MCS11)	11.85	11.75	14.81	23.88	-9.07	3.90	18.71	29.88	-11.17
5550	110		CDD	52	40	50/58.8 (MCS11)	11.87	11.72	14.80	23.88	-9.08	3.90	18.70	29.88	-11.18
			CDD	52	44	50/58.8 (MCS11)	11.92	11.67	14.81	23.88	-9.07	3.90	18.71	29.88	-11.17
			CDD	52	37	50/58.8 (MCS11)	11.93	11.98	14.97	23.88	-8.91	3.90	18.87	29.88	-11.01
5670	134		CDD	52	40	50/58.8 (MCS11)	11.90	11.75	14.84	23.88	-9.04	3.90	18.74	29.88	-11.14
			CDD	52	44	50/58.8 (MCS11)	11.97	11.90	14.95	23.88	-8.93	3.90	18.85	29.88	-11.03
			CDD	52	37	50/58.8 (MCS11)	11.99	11.83	14.92	23.88	-8.96	3.90	18.82	29.88	-11.06
5710	142		CDD	52	40	50/58.8 (MCS11)	11.94	11.84	14.90	23.88	-8.98	3.90	18.80	29.88	-11.08
			CDD	52	44	50/58.8 (MCS11)	11.99	11.92	14.97	23.88	-8.91	3.90	18.87	29.88	-11.21

Table 7-99. ISED CDD Primary 40MHz BW (UNII) Maximum Conducted Output Power (RU52)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 3a	Summed						
5290	58		CDD	52	37	50/58.8 (MCS11)	10.07	10.23	13.16	23.80	-10.64	2.10	15.26	29.80	-14.54
			CDD	52	44	50/58.8 (MCS11)	10.13	10.24	13.19	23.80	-10.61	2.10	15.29	29.80	-14.51
			CDD	52	52	50/58.8 (MCS11)	10.22	9.89	13.07	23.80	-10.73	2.10	15.17	29.80	-14.63
5530	106		CDD	52	37	50/58.8 (MCS11)	10.66	10.41	13.54	23.88	-10.34	3.90	17.44	29.88	-12.44
			CDD	52	44	50/58.8 (MCS11)	10.58	10.53	13.56	23.88	-10.32	3.90	17.46	29.88	-12.42
			CDD	52	52	50/58.8 (MCS11)	10.48	10.61	13.56	23.88	-10.32	3.90	17.46	29.88	-12.42
5690	138		CDD	52	37	50/58.8 (MCS11)	11.81	11.85	14.84	23.88	-9.04	3.90	18.74	29.88	-11.14
			CDD	52	44	50/58.8 (MCS11)	11.69	11.76	14.74	23.88	-9.14	3.90	18.64	29.88	-11.24
			CDD	52	52	50/58.8 (MCS11)	11.81	11.70	14.77	23.88	-9.11				

7.4.29 FCC CDD Primary Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 3a	Summed		
5180	36		CDD	106	53	106.3/125 (MCS11)	14.72	14.90	17.82	23.98	-6.16
			CDD	106	54	106.3/125 (MCS11)	14.83	14.67	17.76	23.98	-6.22
5200	40		CDD	106	53	106.3/125 (MCS11)	14.92	14.74	17.84	23.98	-6.14
			CDD	106	54	106.3/125 (MCS11)	14.91	14.85	17.89	23.98	-6.09
5240	48		CDD	106	53	106.3/125 (MCS11)	14.65	14.67	17.67	23.98	-6.31
			CDD	106	54	106.3/125 (MCS11)	14.68	15.00	17.85	23.98	-6.13
5260	52		CDD	106	53	106.3/125 (MCS11)	14.66	14.78	17.73	23.80	-6.07
			CDD	106	54	106.3/125 (MCS11)	14.71	14.94	17.83	23.80	-5.97
5300	60		CDD	106	53	106.3/125 (MCS11)	14.75	14.65	17.71	23.80	-6.09
			CDD	106	54	106.3/125 (MCS11)	14.86	14.83	17.85	23.80	-5.95
5320	64		CDD	106	53	106.3/125 (MCS11)	14.92	14.94	17.94	23.80	-5.86
			CDD	106	54	106.3/125 (MCS11)	14.98	14.96	17.98	23.80	-5.82
5500	100		CDD	106	53	106.3/125 (MCS11)	13.53	13.65	16.60	23.88	-7.28
			CDD	106	54	106.3/125 (MCS11)	13.52	13.56	16.55	23.88	-7.33
5520	104		CDD	106	53	106.3/125 (MCS11)	14.97	14.96	17.98	23.88	-5.90
			CDD	106	54	106.3/125 (MCS11)	14.61	14.68	17.65	23.88	-6.23
5580	116		CDD	106	53	106.3/125 (MCS11)	14.91	14.75	17.84	23.88	-6.04
			CDD	106	54	106.3/125 (MCS11)	14.91	14.77	17.85	23.88	-6.03
5680	136		CDD	106	53	106.3/125 (MCS11)	14.98	14.85	17.93	23.88	-5.95
			CDD	106	54	106.3/125 (MCS11)	14.60	14.62	17.62	23.88	-6.26
5700	140		CDD	106	53	106.3/125 (MCS11)	11.24	11.19	14.22	23.88	-9.66
			CDD	106	54	106.3/125 (MCS11)	11.25	11.00	14.14	23.88	-9.74
5720	144		CDD	106	53	106.3/125 (MCS11)	14.81	14.95	17.89	23.88	-5.99
			CDD	106	54	106.3/125 (MCS11)	14.71	14.76	17.75	23.88	-6.13
5745	149		CDD	106	53	106.3/125 (MCS11)	17.26	17.47	20.38	30.00	-9.62
			CDD	106	54	106.3/125 (MCS11)	17.45	17.47	20.47	30.00	-9.53
5785	157		CDD	106	53	106.3/125 (MCS11)	17.35	17.34	20.35	30.00	-9.65
			CDD	106	54	106.3/125 (MCS11)	17.30	17.47	20.40	30.00	-9.60
5825	165		CDD	106	53	106.3/125 (MCS11)	17.30	17.19	20.25	30.00	-9.75
			CDD	106	54	106.3/125 (MCS11)	17.14	17.50	20.33	30.00	-9.67

Table 7-101. FCC CDD Primary 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 76 of 279

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 3a	Summed		
5190	38	CDD	242	61	243.8/286.8 (MCS11)	12.49	12.21	15.36	23.98	-8.62	
		CDD	242	62	243.8/286.8 (MCS11)	12.10	12.41	15.27	23.98	-8.71	
5230	46	CDD	242	61	243.8/286.8 (MCS11)	16.91	16.76	19.84	23.98	-4.14	
		CDD	242	62	243.8/286.8 (MCS11)	16.62	16.89	19.77	23.98	-4.21	
5270	54	CDD	242	61	243.8/286.8 (MCS11)	16.77	16.62	19.70	23.80	-4.10	
		CDD	242	62	243.8/286.8 (MCS11)	16.83	16.83	19.84	23.80	-3.96	
5310	62	CDD	242	61	243.8/286.8 (MCS11)	11.25	11.02	14.15	23.80	-9.65	
		CDD	242	62	243.8/286.8 (MCS11)	10.98	11.22	14.11	23.80	-9.69	
5510	102	CDD	242	61	243.8/286.8 (MCS11)	11.43	11.16	14.31	23.88	-9.57	
		CDD	242	62	243.8/286.8 (MCS11)	11.45	11.38	14.42	23.88	-9.46	
5550	110	CDD	242	61	243.8/286.8 (MCS11)	16.24	16.40	19.33	23.88	-4.55	
		CDD	242	62	243.8/286.8 (MCS11)	16.29	16.35	19.33	23.88	-4.55	
5590	118	CDD	242	61	243.8/286.8 (MCS11)	16.65	16.72	19.69	23.88	-4.19	
		CDD	242	62	243.8/286.8 (MCS11)	16.62	16.81	19.72	23.88	-4.16	
5630	126	CDD	242	61	243.8/286.8 (MCS11)	16.75	16.70	19.73	23.88	-4.15	
		CDD	242	62	243.8/286.8 (MCS11)	16.86	16.86	19.87	23.88	-4.01	
5670	134	CDD	242	61	243.8/286.8 (MCS11)	13.17	13.17	16.18	23.88	-7.70	
		CDD	242	62	243.8/286.8 (MCS11)	13.20	13.13	16.18	23.88	-7.70	
5710	142	CDD	106	53	106.3/125 (MCS11)	14.74	14.73	17.74	23.88	-6.14	
		CDD	106	54	106.3/125 (MCS11)	14.77	14.79	17.79	23.88	-6.09	
		CDD	106	56	106.3/125 (MCS11)	14.80	14.72	17.77	23.88	-6.11	
5755	151	CDD	242	61	243.8/286.8 (MCS11)	18.18	18.24	21.22	30.00	-8.78	
		CDD	242	62	243.8/286.8 (MCS11)	17.91	17.95	20.94	30.00	-9.06	
5795	159	CDD	242	61	243.8/286.8 (MCS11)	19.31	19.18	22.25	30.00	-7.75	
		CDD	242	62	243.8/286.8 (MCS11)	19.10	19.30	22.21	30.00	-7.79	

Table 7-102. FCC CDD Primary 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 3a	Summed		
5210	42	CDD	484	65	487.5/573.5 (MCS11)	11.62	11.63	14.64	23.98	-9.34	
		CDD	484	66	487.5/573.5 (MCS11)	11.86	11.90	14.89	23.98	-9.09	
5290	58	CDD	484	65	487.5/573.5 (MCS11)	10.20	9.88	13.05	23.80	-10.75	
		CDD	484	66	487.5/573.5 (MCS11)	10.15	10.15	13.16	23.80	-10.64	
5530	106	CDD	484	65	487.5/573.5 (MCS11)	10.60	10.47	13.54	23.88	-10.34	
		CDD	484	66	487.5/573.5 (MCS11)	10.66	10.58	13.63	23.88	-10.25	
5610	122	CDD	484	65	487.5/573.5 (MCS11)	14.22	14.48	17.36	23.88	-6.52	
		CDD	484	66	487.5/573.5 (MCS11)	14.18	14.30	17.25	23.88	-6.63	
5690	138	CDD	106	53	106.3/125 (MCS11)	14.67	14.73	17.71	23.88	-6.17	
		CDD	106	56	106.3/125 (MCS11)	14.92	14.87	17.90	23.88	-5.98	
		CDD	106	60	106.3/125 (MCS11)	14.68	14.84	17.77	23.88	-6.11	
5775	155	CDD	484	65	487.5/573.5 (MCS11)	15.15	15.23	18.20	30.00	-11.80	
		CDD	484	66	487.5/573.5 (MCS11)	14.88	14.95	17.92	30.00	-12.08	

Table 7-103. FCC CDD Primary 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 77 of 279

7.4.30 ISED CDD/SDM Primary Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]						
							Conducted Powers [dBm]														
							Antenna 3c	Antenna 3a	Summed												
5180	36	SDM	106	53	106.3/125 (MCS11)	12.46	12.12	15.30	-	-	1.26	16.56	22.79	-6.22							
			SDM	106	54	106.3/125 (MCS11)	12.18	12.18	15.19	-	-	1.26	16.45	22.79	-6.33						
5200	40	SDM	106	53	106.3/125 (MCS11)	12.26	12.36	15.32	-	-	1.26	16.58	22.79	-6.20							
			SDM	106	54	106.3/125 (MCS11)	12.34	12.50	15.43	-	-	1.26	16.69	22.79	-6.09						
5240	48	SDM	106	53	106.3/125 (MCS11)	12.26	12.31	15.29	-	-	1.26	16.55	22.79	-6.23							
			SDM	106	54	106.3/125 (MCS11)	12.36	12.50	15.44	-	-	1.26	16.70	22.79	-6.08						
5260	52	CDD	106	53	106.3/125 (MCS11)	14.66	14.78	17.73	23.80	-6.07	2.10	19.83	29.80	-9.97							
			CDD	106	54	106.3/125 (MCS11)	14.71	14.94	17.83	23.80	-5.97	2.10	19.93	29.80	-9.87						
5300	60	CDD	106	53	106.3/125 (MCS11)	14.75	14.65	17.71	23.80	-6.09	2.10	19.81	29.80	-9.99							
			CDD	106	54	106.3/125 (MCS11)	14.86	14.83	17.85	23.80	-5.95	2.10	19.95	29.80	-9.85						
5320	64	CDD	106	53	106.3/125 (MCS11)	14.92	14.94	17.94	23.80	-5.86	2.10	20.04	29.80	-9.76							
			CDD	106	54	106.3/125 (MCS11)	14.98	14.96	17.98	23.80	-5.82	2.10	20.08	29.80	-9.72						
5500	100	CDD	106	53	106.3/125 (MCS11)	13.53	13.65	16.60	23.88	-7.28	3.90	20.50	29.88	-9.38							
			CDD	106	54	106.3/125 (MCS11)	13.52	13.56	16.55	23.88	-7.33	3.90	20.45	29.88	-9.43						
5520	104	CDD	106	53	106.3/125 (MCS11)	14.97	14.96	17.98	23.88	-5.90	3.90	21.88	29.88	-8.00							
			CDD	106	54	106.3/125 (MCS11)	14.61	14.68	17.65	23.88	-6.23	3.90	21.55	29.88	-8.33						
5580	116	CDD	106	53	106.3/125 (MCS11)	14.91	14.75	17.84	23.88	-6.04	3.90	21.74	29.88	-8.14							
			CDD	106	54	106.3/125 (MCS11)	14.98	14.85	17.93	23.88	-5.95	3.90	21.83	29.88	-8.05						
5680	136	CDD	106	53	106.3/125 (MCS11)	14.60	14.62	17.62	23.88	-6.26	3.90	21.52	29.88	-8.36							
			CDD	106	54	106.3/125 (MCS11)	11.24	11.19	14.22	23.88	-9.66	3.90	18.12	29.88	-11.76						
5700	140	CDD	106	53	106.3/125 (MCS11)	11.25	11.00	14.14	23.88	-9.74	3.90	18.04	29.88	-11.84							
			CDD	106	54	106.3/125 (MCS11)	14.71	14.76	17.75	23.88	-6.13	3.90	21.65	29.88	-8.23						
5720	144	CDD	106	53	106.3/125 (MCS11)	17.26	17.47	20.38	30.00	-9.62	3.10	23.48	-	-							
			CDD	106	54	106.3/125 (MCS11)	17.45	17.47	20.47	30.00	-9.53	3.10	23.57	-	-						
5745	149	CDD	106	53	106.3/125 (MCS11)	17.35	17.34	20.35	30.00	-9.65	3.10	23.45	-	-							
			CDD	106	54	106.3/125 (MCS11)	17.30	17.47	20.40	30.00	-9.60	3.10	23.50	-	-						
5785	157	CDD	106	53	106.3/125 (MCS11)	17.30	17.19	20.25	30.00	-9.75	3.10	23.35	-	-							
			CDD	106	54	106.3/125 (MCS11)	17.14	17.50	20.33	30.00	-9.67	3.10	23.43	-	-						

Table 7-104. ISED CDD/SDM Primary 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]						
							Conducted Powers [dBm]														
							Antenna 3c	Antenna 3a	Summed												
5190	38	SDM	242	61	243.8/286.8 (MCS11)	12.32	12.16	15.25	-	-	1.26	16.51	22.79	-6.27							
			SDM	242	62	243.8/286.8 (MCS11)	12.27	12.38	15.33	-	-	1.26	16.59	22.79	-6.19						
5230	46	SDM	242	61	243.8/286.8 (MCS11)	14.19	14.39	17.30	-	-	1.26	18.56	22.79	-4.22							
			SDM	242	62	243.8/286.8 (MCS11)	14.36	14.20	17.29	-	-	1.26	18.55	22.79	-4.23						
5270	54	CDD	242	61	243.8/286.8 (MCS11)	16.77	16.62	19.70	23.80	-4.10	2.10	21.80	29.80	-8.00							
			CDD	242	62	243.8/286.8 (MCS11)	16.83	16.83	19.84	23.80	-3.96	2.10	21.94	29.80	-7.86						
5310	62	CDD	242	61	243.8/286.8 (MCS11)	11.25	11.02	14.15	23.80	-9.65	2.10	16.25	29.80	-13.55							
			CDD	242	62	243.8/286.8 (MCS11)	10.98	11.22	14.11	23.80	-9.69	2.10	16.21	29.80	-13.59						
5510	102	CDD	242	61	243.8/286.8 (MCS11)	11.43	11.16	14.31	23.88	-9.57	3.90	18.21	29.88	-11.67							
			CDD	242	62	243.8/286.8 (MCS11)	11.45	11.38	14.42	23.88	-9.46	3.90	18.32	29.88	-11.56						
5550	110	CDD	242	61	243.8/286.8 (MCS11)	16.24	16.40	19.33	23.88	-4.55	3.90	23.23	29.88	-6.65							
			CDD	242	62	243.8/286.8 (MCS11)	16.29	16.35	19.33	23.88	-4.55	3.90	23.23	29.88	-6.65						
5670	134	CDD	242	61	243.8/286.8 (MCS11)	13.17	13.17	16.18	23.88	-7.70	3.90	20.08	29.88	-9.80							
			CDD	242	62	243.8/286.8 (MCS11)	13.20	13.13	16.18	23.88	-7.70	3.90	20.08	29.88	-9.80						
5710	142	CDD	106	53	106.3/125 (MCS11)	14.74	14.73	17.74	23.88	-6.14	3.90	21.64	29.88	-8.24							
			CDD	106	56	106.3/125 (MCS11)	14.80	14.72	17.77	23.88	-6.11	3.90	21.67	29.88	-8.21						
5755	151	CDD	242	61	243.8/286.8 (MCS11)	18.18	18.24	21.22	30.00	-8.78	3.10	24.32	-	-							
			CDD	242	62	243.8/286.8 (MCS11)	17.91	17.95	20.94	30.00	-9.06	3.10	24.04	-	-						
5795	159	CDD	242	61	243.8/286.8 (MCS11)	19.31	19.18	22.25	30.00	-7.75	3.10	25.35	-	-							
			CDD	242	62	243.8/286.8 (MCS11)	19.10	19.30	22.21	30.00	-7.79	3.10	25.31	-	-						

Table 7-105. ISED CDD/SDM Primary 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]						
							Conducted Powers [dBm]														
							Antenna 3c	Antenna 3a	Summed												
5210	42	CDD	484	65	487.																

7.4.31 FCC CDD Primary Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 3a	Summed		
	5180	36	CDD	242	61	243.8/286.8 (MCS11)	15.39	15.48	18.45	23.98	-5.53
	5200	40	CDD	242	61	243.8/286.8 (MCS11)	16.66	16.87	19.77	23.98	-4.21
	5240	48	CDD	242	61	243.8/286.8 (MCS11)	16.62	16.64	19.64	23.98	-4.34
	5260	52	CDD	242	61	243.8/286.8 (MCS11)	16.66	16.65	19.67	23.80	-4.13
	5300	60	CDD	242	61	243.8/286.8 (MCS11)	16.81	16.60	19.72	23.80	-4.08
	5320	64	CDD	242	61	243.8/286.8 (MCS11)	15.41	15.26	18.35	23.80	-5.45
	5500	100	CDD	242	61	243.8/286.8 (MCS11)	13.74	13.58	16.67	23.88	-7.21
	5520	104	CDD	242	61	243.8/286.8 (MCS11)	16.84	16.76	19.81	23.88	-4.07
	5540	108	CDD	242	61	243.8/286.8 (MCS11)	16.84	17.00	19.93	23.88	-3.95
	5580	116	CDD	242	61	243.8/286.8 (MCS11)	16.97	16.76	19.87	23.88	-4.01
	5660	132	CDD	242	61	243.8/286.8 (MCS11)	16.89	16.80	19.85	23.88	-4.03
	5680	136	CDD	242	61	243.8/286.8 (MCS11)	15.48	15.56	18.53	23.88	-5.35
	5700	140	CDD	242	61	243.8/286.8 (MCS11)	11.07	11.06	14.07	23.88	-9.81
	5720	144	CDD	242	61	243.8/286.8 (MCS11)	16.68	16.80	19.75	23.88	-4.13
	5745	149	CDD	242	61	243.8/286.8 (MCS11)	20.28	20.29	23.30	30.00	-6.70
	5785	157	CDD	242	61	243.8/286.8 (MCS11)	20.16	20.19	23.18	30.00	-6.82
	5825	165	CDD	242	61	243.8/286.8 (MCS11)	20.39	20.49	23.45	30.00	-6.55

Table 7-107. FCC CDD Primary 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 3a	Summed		
	5190	38	CDD	484	65	487.5/573.5 (MCS11)	12.44	12.37	15.41	23.98	-8.57
	5230	46	CDD	484	65	487.5/573.5 (MCS11)	18.34	18.11	21.24	23.98	-2.74
	5270	54	CDD	484	65	487.5/573.5 (MCS11)	18.74	18.83	21.80	23.80	-2.00
	5310	62	CDD	484	65	487.5/573.5 (MCS11)	11.22	10.91	14.08	23.80	-9.72
	5510	102	CDD	484	65	487.5/573.5 (MCS11)	11.38	11.48	14.44	23.88	-9.44
	5550	110	CDD	484	65	487.5/573.5 (MCS11)	16.18	16.31	19.26	23.88	-4.62
	5590	118	CDD	484	65	487.5/573.5 (MCS11)	19.18	19.40	22.30	23.88	-1.58
	5630	126	CDD	484	65	487.5/573.5 (MCS11)	17.36	17.50	20.44	23.88	-3.44
	5670	134	CDD	484	65	487.5/573.5 (MCS11)	13.04	13.16	16.11	23.88	-7.77
	5710	142	CDD	484	65	487.5/573.5 (MCS11)	19.26	19.22	22.25	23.88	-1.63
	5755	151	CDD	484	65	487.5/573.5 (MCS11)	17.97	17.86	20.92	30.00	-9.08
	5795	159	CDD	484	65	487.5/573.5 (MCS11)	19.21	19.37	22.30	30.00	-7.70

Table 7-108. FCC CDD Primary 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 3a	Summed		
	5210	42	CDD	996	67	1020.8/1201 (MCS11)	11.96	11.82	14.90	23.98	-9.08
	5290	58	CDD	996	67	1020.8/1201 (MCS11)	10.04	10.11	13.09	23.80	-10.71
	5530	106	CDD	996	67	1020.8/1201 (MCS11)	10.71	10.62	13.67	23.88	-10.21
	5610	122	CDD	996	67	1020.8/1201 (MCS11)	14.23	14.25	17.25	23.88	-6.63
	5690	138	CDD	996	67	1020.8/1201 (MCS11)	19.62	19.72	22.68	23.88	-1.20
	5775	155	CDD	996	67	1020.8/1201 (MCS11)	15.00	14.87	17.95	30.00	-12.05

Table 7-109. FCC CDD Primary 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 79 of 279

7.4.32 ISED CDD/SDM Primary Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 3a	Summed						
	5180	36	SDM	242	61	243.8/286.8 (MCS11)	14.31	14.33	17.33	-	-	1.26	18.59	22.79	-4.19
	5200	40	SDM	242	61	243.8/286.8 (MCS11)	14.46	14.11	17.30	-	-	1.26	18.56	22.79	-4.22
	5240	48	SDM	242	61	243.8/286.8 (MCS11)	14.43	14.49	17.47	-	-	1.26	18.73	22.79	-4.05
	5260	52	CDD	242	61	243.8/286.8 (MCS11)	16.66	16.65	19.67	23.80	-4.13	2.10	21.77	29.80	-8.03
	5300	60	CDD	242	61	243.8/286.8 (MCS11)	16.81	16.60	19.72	23.80	-4.08	2.10	21.82	29.80	-7.98
	5320	64	CDD	242	61	243.8/286.8 (MCS11)	15.41	15.26	18.35	23.80	-5.45	2.10	20.45	29.80	-9.35
	5500	100	CDD	242	61	243.8/286.8 (MCS11)	13.74	13.58	16.67	23.88	-7.21	3.90	20.57	29.88	-9.31
	5520	104	CDD	242	61	243.8/286.8 (MCS11)	16.84	16.76	19.81	23.88	-4.07	3.90	23.71	29.88	-6.17
	5540	108	CDD	242	61	243.8/286.8 (MCS11)	16.84	17.00	19.93	23.88	-3.95	3.90	23.83	29.88	-6.05
	5580	116	CDD	242	61	243.8/286.8 (MCS11)	16.97	16.76	19.87	23.88	-4.01	3.90	23.77	29.88	-6.11
	5660	132	CDD	242	61	243.8/286.8 (MCS11)	16.89	16.80	19.85	23.88	-4.03	3.90	23.75	29.88	-6.13
	5680	136	CDD	242	61	243.8/286.8 (MCS11)	15.48	15.56	18.53	23.88	-5.35	3.90	22.43	29.88	-7.45
	5700	140	CDD	242	61	243.8/286.8 (MCS11)	11.07	11.06	14.07	23.88	-9.81	3.90	17.97	29.88	-11.91
	5720	144	CDD	242	61	243.8/286.8 (MCS11)	16.68	16.80	19.75	23.88	-4.13	3.90	23.65	29.88	-6.23
	5745	149	CDD	242	61	243.8/286.8 (MCS11)	20.28	20.29	23.30	30.00	-6.70	3.10	26.40	-	-
	5785	157	CDD	242	61	243.8/286.8 (MCS11)	20.16	20.19	23.18	30.00	-6.82	3.10	26.28	-	-
	5825	165	CDD	242	61	243.8/286.8 (MCS11)	20.39	20.49	23.45	30.00	-6.55	3.10	26.55	-	-

Table 7-110. ISED CDD/SDM Primary 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 3a	Summed						
	5190	38	CDD	484	65	487.5/573.5 (MCS11)	12.19	12.46	15.34	-	-	2.30	17.64	22.79	-5.15
	5230	46	SDM	484	65	487.5/573.5 (MCS11)	17.16	17.13	20.15	-	-	1.26	21.41	22.79	-1.37
	5270	54	CDD	484	65	487.5/573.5 (MCS11)	18.74	18.83	21.80	23.80	-2.00	2.10	23.90	29.80	-5.90
	5310	62	CDD	484	65	487.5/573.5 (MCS11)	11.22	10.91	14.08	23.80	-9.72	2.10	16.18	29.80	-13.62
	5510	102	CDD	484	65	487.5/573.5 (MCS11)	11.38	11.48	14.44	23.88	-9.44	3.90	18.34	29.88	-11.54
	5550	110	CDD	484	65	487.5/573.5 (MCS11)	16.18	16.31	19.26	23.88	-4.62	3.90	23.16	29.88	-6.72
	5670	134	CDD	484	65	487.5/573.5 (MCS11)	13.04	13.16	16.11	23.88	-7.77	3.90	20.01	29.88	-9.87
	5710	142	CDD	484	65	487.5/573.5 (MCS11)	19.26	19.22	22.25	23.88	-1.63	3.90	26.15	29.88	-3.73
	5755	151	CDD	484	65	487.5/573.5 (MCS11)	17.97	17.86	20.92	30.00	-9.08	3.10	24.02	-	-
	5795	159	CDD	484	65	487.5/573.5 (MCS11)	19.21	19.37	22.30	30.00	-7.70	3.10	25.40	-	-

Table 7-111. ISED CDD/SDM Primary 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 3a	Summed						
	5210	42	CDD	996	67	1020.8/1201 (MCS11)	11.65	11.83	14.75	-	-	2.30	17.05	22.79	-5.74
	5290	58	CDD	996	67	1020.8/1201 (MCS11)	10.04	10.11	13.09	23.80	-10.71	2.10	15.19	29.80	-14.81
	5530	106	CDD	996	67	1020.8/1201 (MCS11)	10.71	10.62	13.67	23.88	-10.21	3.90	17.57	29.88	-12.31
	5690	138	CDD	996	67	1020.8/1201 (MCS11)	19.62	19.72	22.68	23.88	-1.20	3.90	26.58	29.88	-3.30
	5775	155	CDD	996	67	1020.8/1201 (MCS11)	15.00	14.87	17.95	30.00	-12.05	3.10	21.05	-	-

Table 7-112. ISED CDD Primary 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 80 of 279

7.4.33 FCC CDD Diversity Conducted Output Power Measurements (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 1b	Summed		
5180	36		CDD	26	0	25/29.4 (MCS11)	8.80	7.84	11.36	23.98	-12.62
			CDD	26	4	25/29.4 (MCS11)	8.72	7.99	11.38	23.98	-12.60
			CDD	26	8	25/29.4 (MCS11)	8.89	7.87	11.42	23.98	-12.56
5200	40		CDD	26	0	25/29.4 (MCS11)	8.71	7.72	11.25	23.98	-12.73
			CDD	26	4	25/29.4 (MCS11)	8.73	7.65	11.23	23.98	-12.75
			CDD	26	8	25/29.4 (MCS11)	8.98	7.80	11.44	23.98	-12.54
5240	48		CDD	26	0	25/29.4 (MCS11)	8.94	7.82	11.42	23.98	-12.56
			CDD	26	4	25/29.4 (MCS11)	8.87	7.98	11.46	23.98	-12.52
			CDD	26	8	25/29.4 (MCS11)	8.86	7.80	11.37	23.98	-12.61
5745	149		CDD	26	0	25/29.4 (MCS11)	11.26	10.24	13.79	30.00	-16.21
			CDD	26	4	25/29.4 (MCS11)	11.41	10.19	13.85	30.00	-16.15
			CDD	26	8	25/29.4 (MCS11)	11.27	10.39	13.87	30.00	-16.13
5785	157		CDD	26	0	25/29.4 (MCS11)	11.36	10.34	13.89	30.00	-16.11
			CDD	26	4	25/29.4 (MCS11)	11.31	10.30	13.85	30.00	-16.15
			CDD	26	8	25/29.4 (MCS11)	11.21	10.42	13.84	30.00	-16.16
5825	165		CDD	26	0	25/29.4 (MCS11)	11.23	10.20	13.76	30.00	-16.24
			CDD	26	4	25/29.4 (MCS11)	11.25	10.43	13.87	30.00	-16.13
			CDD	26	8	25/29.4 (MCS11)	11.41	10.32	13.91	30.00	-16.09

Table 7-113. FCC CDD Diversity 20MHz BW (UNII) Maximum Conducted Output Power (RU26)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 1b	Summed		
5190	38		CDD	26	0	25/29.4 (MCS11)	8.89	7.83	11.40	23.98	-12.58
			CDD	26	8	25/29.4 (MCS11)	8.82	7.66	11.29	23.98	-12.69
			CDD	26	17	25/29.4 (MCS11)	8.76	7.91	11.36	23.98	-12.62
5230	46		CDD	26	0	25/29.4 (MCS11)	8.61	7.76	11.21	23.98	-12.77
			CDD	26	8	25/29.4 (MCS11)	8.82	7.75	11.33	23.98	-12.65
			CDD	26	17	25/29.4 (MCS11)	8.95	7.91	11.47	23.98	-12.51
5755	151		CDD	26	0	25/29.4 (MCS11)	10.44	9.42	12.97	30.00	-17.03
			CDD	26	8	25/29.4 (MCS11)	10.22	9.28	12.78	30.00	-17.22
			CDD	26	17	25/29.4 (MCS11)	10.50	9.30	12.95	30.00	-17.05
5795	159		CDD	26	0	25/29.4 (MCS11)	10.37	9.21	12.84	30.00	-17.16
			CDD	26	8	25/29.4 (MCS11)	10.27	9.49	12.91	30.00	-17.09
			CDD	26	17	25/29.4 (MCS11)	10.37	9.41	12.92	30.00	-17.08

Table 7-114. FCC CDD Diversity 40MHz BW (UNII) Maximum Conducted Output Power (RU26)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 1b	Summed		
5210	42		CDD	26	0	25/29.4 (MCS11)	8.80	7.96	11.41	23.98	-12.57
			CDD	26	18	25/29.4 (MCS11)	8.66	7.71	11.22	23.98	-12.76
			CDD	26	36	25/29.4 (MCS11)	8.99	7.68	11.39	23.98	-12.59
5775	155		CDD	26	0	25/29.4 (MCS11)	10.97	9.88	13.47	30.00	-16.53
			CDD	26	18	25/29.4 (MCS11)	10.79	9.99	13.42	30.00	-16.58
			CDD	26	36	25/29.4 (MCS11)	10.84	9.76	13.34	30.00	-16.66

Table 7-115. FCC CDD Diversity 80MHz BW (UNII) Maximum Conducted Output Power (RU26)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 81 of 279

7.4.34 ISED CDD/SDM Diversity Conducted Output Power Measurements (RU26)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 1b	Summed						
5180	36		SDM	26	0	25/29.4 (MCS11)	6.18	6.45	9.33	-	-	0.77	10.10	22.79	-12.68
			SDM	26	4	25/29.4 (MCS11)	6.22	6.41	9.32	-	-	0.77	10.09	22.79	-12.69
			SDM	26	8	25/29.4 (MCS11)	6.11	6.36	9.24	-	-	0.77	10.01	22.79	-12.77
5200	40		SDM	26	0	25/29.4 (MCS11)	6.14	6.49	9.33	-	-	0.77	10.10	22.79	-12.68
			SDM	26	4	25/29.4 (MCS11)	6.13	6.32	9.24	-	-	0.77	10.01	22.79	-12.77
			SDM	26	8	25/29.4 (MCS11)	6.27	6.10	9.20	-	-	0.77	9.97	22.79	-12.81
5240	48		SDM	26	0	25/29.4 (MCS11)	6.32	6.41	9.38	-	-	0.77	10.15	22.79	-12.63
			SDM	26	4	25/29.4 (MCS11)	6.34	6.20	9.28	-	-	0.77	10.05	22.79	-12.73
			SDM	26	8	25/29.4 (MCS11)	6.34	6.40	9.38	-	-	0.77	10.15	22.79	-12.63
5745	149		CDD	26	0	25/29.4 (MCS11)	11.26	10.24	13.79	30.00	-16.21	3.10	16.89	-	-
			CDD	26	4	25/29.4 (MCS11)	11.41	10.19	13.85	30.00	-16.15	3.10	16.95	-	-
			CDD	26	8	25/29.4 (MCS11)	11.27	10.39	13.87	30.00	-16.13	3.10	16.97	-	-
5785	157		CDD	26	0	25/29.4 (MCS11)	11.36	10.34	13.89	30.00	-16.11	3.10	16.99	-	-
			CDD	26	4	25/29.4 (MCS11)	11.31	10.30	13.85	30.00	-16.15	3.10	16.95	-	-
			CDD	26	8	25/29.4 (MCS11)	11.21	10.42	13.84	30.00	-16.16	3.10	16.94	-	-
5825	165		CDD	26	0	25/29.4 (MCS11)	11.23	10.20	13.76	30.00	-16.24	3.10	16.86	-	-
			CDD	26	4	25/29.4 (MCS11)	11.25	10.43	13.87	30.00	-16.13	3.10	16.97	-	-
			CDD	26	8	25/29.4 (MCS11)	11.41	10.32	13.91	30.00	-16.09	3.10	17.01	-	-

Table 7-116. ISED CDD/SDM Diversity 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 1b	Summed						
5190	38		SDM	26	0	25/29.4 (MCS11)	6.26	6.42	9.35	-	-	0.77	10.12	22.79	-12.66
			SDM	26	8	25/29.4 (MCS11)	6.34	6.44	9.40	-	-	0.77	10.17	22.79	-12.61
			SDM	26	17	25/29.4 (MCS11)	6.38	6.37	9.39	-	-	0.77	10.16	22.79	-12.62
5230	46		SDM	26	0	25/29.4 (MCS11)	6.38	6.21	9.30	-	-	0.77	10.07	22.79	-12.71
			SDM	26	8	25/29.4 (MCS11)	6.26	6.13	9.20	-	-	0.77	9.97	22.79	-12.81
			SDM	26	17	25/29.4 (MCS11)	6.42	6.35	9.40	-	-	0.77	10.17	22.79	-12.61
5755	151		CDD	26	0	25/29.4 (MCS11)	10.44	9.42	12.97	30.00	-17.03	3.10	16.07	-	-
			CDD	26	8	25/29.4 (MCS11)	10.22	9.28	12.78	30.00	-17.22	3.10	15.88	-	-
			CDD	26	17	25/29.4 (MCS11)	10.50	9.30	12.95	30.00	-17.05	3.10	16.05	-	-
5795	159		CDD	26	0	25/29.4 (MCS11)	10.37	9.21	12.84	30.00	-17.16	3.10	15.94	-	-
			CDD	26	8	25/29.4 (MCS11)	10.27	9.49	12.91	30.00	-17.09	3.10	16.01	-	-
			CDD	26	17	25/29.4 (MCS11)	10.37	9.41	12.92	30.00	-17.08	3.10	16.02	-	-

Table 7-117. ISED CDD/SDM Diversity 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 1b	Summed						
5210	42		SDM	26	0	25/29.4 (MCS11)	6.11	6.43	9.28	-	-	0.77	10.05	22.79	-12.73
			SDM	26	18	25/29.4 (MCS11)	6.27	6.37	9.33	-	-	0.77	10.10	22.79	-12.68
			SDM	26	36	25/29.4 (MCS11)	6.35	6.33	9.35	-	-	0.77	10.12	22.79	-12.66
5775	155		CDD	26	0	25/29.4 (MCS11)	10.97	9.88	13.47	30.00	-16.53	3.10	16.57	-	-
			CDD	26	18	25/29.4 (MCS11)	10.79	9.99	13.42	30.00	-16.58	3.10	16.52	-	-
			CDD	26	36	25/29.4 (MCS11)	10.84	9.76	13.34	30.00	-16.66	3.10	16.44	-	-

Table 7-118. ISED CDD/SDM Diversity 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU26)

FCC ID: BCGA3355 IC: 579C-A3355		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 82 of 279 V 10.6 10/27/2023

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7.4.35 FCC CDD Diversity Conducted Output Power Measurements (RU52)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 1b	Summed		
5260	52		CDD	52	37	50/58.8 (MCS11)	11.74	10.82	14.31	23.80	-9.49
			CDD	52	39	50/58.8 (MCS11)	11.89	10.69	14.34	23.80	-9.46
			CDD	52	40	50/58.8 (MCS11)	11.64	10.91	14.30	23.80	-9.50
5300	60		CDD	52	37	50/58.8 (MCS11)	11.79	10.84	14.35	23.80	-9.45
			CDD	52	39	50/58.8 (MCS11)	11.74	10.72	14.27	23.80	-9.53
			CDD	52	40	50/58.8 (MCS11)	12.00	10.60	14.36	23.80	-9.44
5320	64		CDD	52	37	50/58.8 (MCS11)	11.95	10.78	14.41	23.80	-9.39
			CDD	52	39	50/58.8 (MCS11)	11.61	10.77	14.22	23.80	-9.58
			CDD	52	40	50/58.8 (MCS11)	11.98	10.84	14.46	23.80	-9.34
5500	100		CDD	52	37	50/58.8 (MCS11)	11.67	10.62	14.19	23.88	-9.69
			CDD	52	39	50/58.8 (MCS11)	11.66	10.94	14.33	23.88	-9.55
			CDD	52	40	50/58.8 (MCS11)	11.81	10.64	14.27	23.88	-9.61
5580	116		CDD	52	37	50/58.8 (MCS11)	11.73	10.90	14.34	23.88	-9.54
			CDD	52	39	50/58.8 (MCS11)	11.76	10.73	14.28	23.88	-9.60
			CDD	52	40	50/58.8 (MCS11)	11.68	10.82	14.28	23.88	-9.60
5680	136		CDD	52	37	50/58.8 (MCS11)	11.94	10.90	14.46	23.88	-9.42
			CDD	52	39	50/58.8 (MCS11)	11.90	10.66	14.33	23.88	-9.55
			CDD	52	40	50/58.8 (MCS11)	11.63	10.83	14.26	23.88	-9.62
5700	140		CDD	52	37	50/58.8 (MCS11)	11.24	10.11	13.72	23.88	-10.16
			CDD	52	39	50/58.8 (MCS11)	10.85	10.14	13.52	23.88	-10.36
			CDD	52	40	50/58.8 (MCS11)	11.01	10.25	13.66	23.88	-10.22
5720	144		CDD	52	37	50/58.8 (MCS11)	11.93	10.81	14.41	23.88	-9.47
			CDD	52	39	50/58.8 (MCS11)	11.67	10.67	14.21	23.88	-9.67
			CDD	52	40	50/58.8 (MCS11)	11.78	10.82	14.33	23.88	-9.55

Table 7-119. FCC CDD Diversity 20MHz BW (UNII) Maximum Conducted Output Power (RU52)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 1b	Summed		
5270	54		CDD	52	37	50/58.8 (MCS11)	11.87	10.99	14.46	23.80	-9.34
			CDD	52	40	50/58.8 (MCS11)	11.86	10.61	14.29	23.80	-9.51
			CDD	52	44	50/58.8 (MCS11)	11.80	10.78	14.33	23.80	-9.47
5310	62		CDD	52	37	50/58.8 (MCS11)	11.14	9.98	13.61	23.80	-10.19
			CDD	52	40	50/58.8 (MCS11)	11.20	9.84	13.58	23.80	-10.22
			CDD	52	44	50/58.8 (MCS11)	11.03	9.89	13.51	23.80	-10.29
5510	102		CDD	52	37	50/58.8 (MCS11)	11.49	10.27	13.94	23.88	-9.94
			CDD	52	40	50/58.8 (MCS11)	11.21	10.17	13.73	23.88	-10.15
			CDD	52	44	50/58.8 (MCS11)	11.38	10.46	13.95	23.88	-9.93
5550	110		CDD	52	37	50/58.8 (MCS11)	11.85	10.87	14.40	23.88	-9.48
			CDD	52	40	50/58.8 (MCS11)	11.87	10.92	14.43	23.88	-9.45
			CDD	52	44	50/58.8 (MCS11)	11.92	10.97	14.48	23.88	-9.40
5710	142		CDD	52	37	50/58.8 (MCS11)	11.99	10.65	14.38	23.88	-9.50
			CDD	52	40	50/58.8 (MCS11)	11.94	10.68	14.37	23.88	-9.51
			CDD	52	44	50/58.8 (MCS11)	11.99	10.76	14.43	23.88	-9.45

Table 7-120. FCC CDD Diversity 40MHz BW (UNII) Maximum Conducted Output Power (RU52)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 83 of 279

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 1b	Summed		
5290	58		CDD	52	37	50/58.8 (MCS11)	10.07	8.91	12.54	23.80	-11.26
			CDD	52	44	50/58.8 (MCS11)	10.13	9.06	12.64	23.80	-11.16
			CDD	52	52	50/58.8 (MCS11)	10.22	9.08	12.70	23.80	-11.10
5530	106		CDD	52	37	50/58.8 (MCS11)	10.66	9.67	13.20	23.88	-10.68
			CDD	52	44	50/58.8 (MCS11)	10.58	9.45	13.06	23.88	-10.82
			CDD	52	52	50/58.8 (MCS11)	10.48	9.53	13.04	23.88	-10.84
5610	122		CDD	52	37	50/58.8 (MCS11)	11.74	10.76	14.29	23.88	-9.59
			CDD	52	44	50/58.8 (MCS11)	11.74	10.96	14.37	23.88	-9.51
			CDD	52	52	50/58.8 (MCS11)	11.79	10.96	14.41	23.88	-9.47
5690	138		CDD	52	37	50/58.8 (MCS11)	11.81	10.77	14.33	23.88	-9.55
			CDD	52	44	50/58.8 (MCS11)	11.69	10.64	14.21	23.88	-9.67
			CDD	52	52	50/58.8 (MCS11)	11.81	10.72	14.31	23.88	-9.57

Table 7-121. FCC CDD Diversity 80MHz BW (UNII) Maximum Conducted Output Power (RU52)

FCC ID: BCGA3355	IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device		Page 84 of 279

7.4.36 ISED CDD/SDM Diversity Conducted Output Power Measurements (RU52)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 1b	Summed						
5260	52		CDD	52	37	50/58.8 (MCS11)	11.74	10.82	14.31	23.80	-9.49	2.10	16.41	29.80	-13.39
			CDD	52	39	50/58.8 (MCS11)	11.89	10.69	14.34	23.80	-9.46	2.10	16.44	29.80	-13.36
			CDD	52	40	50/58.8 (MCS11)	11.64	10.91	14.30	23.80	-9.50	2.10	16.40	29.80	-13.40
5300	60		CDD	52	37	50/58.8 (MCS11)	11.79	10.84	14.35	23.80	-9.45	2.10	16.45	29.80	-13.35
			CDD	52	39	50/58.8 (MCS11)	11.74	10.72	14.27	23.80	-9.53	2.10	16.37	29.80	-13.43
			CDD	52	40	50/58.8 (MCS11)	12.00	10.60	14.36	23.80	-9.44	2.10	16.46	29.80	-13.34
5320	64		CDD	52	37	50/58.8 (MCS11)	11.95	10.78	14.41	23.80	-9.39	2.10	16.51	29.80	-13.29
			CDD	52	39	50/58.8 (MCS11)	11.61	10.77	14.22	23.80	-9.58	2.10	16.32	29.80	-13.48
			CDD	52	40	50/58.8 (MCS11)	11.98	10.84	14.46	23.80	-9.34	2.10	16.56	29.80	-13.24
5500	100		CDD	52	37	50/58.8 (MCS11)	11.67	10.62	14.19	23.88	-9.69	3.90	18.09	29.88	-11.79
			CDD	52	39	50/58.8 (MCS11)	11.66	10.94	14.33	23.88	-9.55	3.90	18.23	29.88	-11.65
			CDD	52	40	50/58.8 (MCS11)	11.81	10.64	14.27	23.88	-9.61	3.90	18.17	29.88	-11.71
5580	116		CDD	52	37	50/58.8 (MCS11)	11.73	10.90	14.34	23.88	-9.54	3.90	18.24	29.88	-11.64
			CDD	52	39	50/58.8 (MCS11)	11.76	10.73	14.28	23.88	-9.60	3.90	18.18	29.88	-11.70
			CDD	52	40	50/58.8 (MCS11)	11.68	10.82	14.28	23.88	-9.60	3.90	18.18	29.88	-11.70
5680	136		CDD	52	37	50/58.8 (MCS11)	11.94	10.90	14.46	23.88	-9.42	3.90	18.36	29.88	-11.52
			CDD	52	39	50/58.8 (MCS11)	11.90	10.66	14.33	23.88	-9.55	3.90	18.23	29.88	-11.65
			CDD	52	40	50/58.8 (MCS11)	11.63	10.83	14.26	23.88	-9.62	3.90	18.16	29.88	-11.72
5700	140		CDD	52	37	50/58.8 (MCS11)	11.24	10.11	13.72	23.88	-10.16	3.90	17.62	29.88	-12.26
			CDD	52	39	50/58.8 (MCS11)	10.85	10.14	13.52	23.88	-10.36	3.90	17.42	29.88	-12.46
			CDD	52	40	50/58.8 (MCS11)	11.01	10.25	13.66	23.88	-10.22	3.90	17.56	29.88	-12.32
5720	144		CDD	52	37	50/58.8 (MCS11)	11.93	10.81	14.41	23.88	-9.47	3.90	18.31	29.88	-11.57
			CDD	52	39	50/58.8 (MCS11)	11.67	10.67	14.21	23.88	-9.67	3.90	18.11	29.88	-11.77
			CDD	52	40	50/58.8 (MCS11)	11.78	10.82	14.33	23.88	-9.55	3.90	18.23	29.88	-11.65

Table 7-122. ISED CDD Diversity 20MHz BW (UNII) Maximum Conducted Output Power (RU52)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 1b	Summed						
5270	54		CDD	52	37	50/58.8 (MCS11)	11.87	10.99	14.46	23.80	-9.34	2.10	16.56	29.80	-13.24
			CDD	52	40	50/58.8 (MCS11)	11.86	10.61	14.29	23.80	-9.51	2.10	16.39	29.80	-13.41
			CDD	52	44	50/58.8 (MCS11)	11.80	10.78	14.33	23.80	-9.47	2.10	16.43	29.80	-13.37
5310	62		CDD	52	37	50/58.8 (MCS11)	11.14	9.98	13.61	23.80	-10.19	2.10	15.71	29.80	-14.09
			CDD	52	44	50/58.8 (MCS11)	11.03	9.89	13.51	23.80	-10.29	2.10	15.61	29.80	-14.19
			CDD	52	37	50/58.8 (MCS11)	11.49	10.27	13.94	23.88	-9.94	3.90	17.84	29.88	-12.04
5510	102		CDD	52	40	50/58.8 (MCS11)	11.21	10.17	13.73	23.88	-10.15	3.90	17.63	29.88	-12.25
			CDD	52	44	50/58.8 (MCS11)	11.38	10.46	13.95	23.88	-9.93	3.90	17.85	29.88	-12.03
			CDD	52	37	50/58.8 (MCS11)	11.85	10.87	14.40	23.88	-9.48	3.90	18.30	29.88	-11.58
5550	110		CDD	52	40	50/58.8 (MCS11)	11.87	10.92	14.43	23.88	-9.45	3.90	18.33	29.88	-11.55
			CDD	52	44	50/58.8 (MCS11)	11.92	10.97	14.48	23.88	-9.40	3.90	18.38	29.88	-11.50
			CDD	52	37	50/58.8 (MCS11)	11.93	10.85	14.44	23.88	-9.44	3.90	18.34	29.88	-11.54
5670	134		CDD	52	40	50/58.8 (MCS11)	11.90	10.75	14.37	23.88	-9.51	3.90	18.27	29.88	-11.61
			CDD	52	44	50/58.8 (MCS11)	11.97	10.94	14.49	23.88	-9.39	3.90	18.39	29.88	-11.49
			CDD	52	37	50/58.8 (MCS11)	11.99	10.65	14.38	23.88	-9.50	3.90	18.28	29.88	-11.60
5710	142		CDD	52	40	50/58.8 (MCS11)	11.94	10.68	14.37	23.88	-9.51	3.90	18.27	29.88	-11.61
			CDD	52	44	50/58.8 (MCS11)	11.99	10.76	14.43	23.88	-9.45	3.90	18.33	29.88	-11.67

Table 7-123. ISED CDD Diversity 40MHz BW (UNII) Maximum Conducted Output Power (RU52)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 1b	Summed						
5290	58		CDD	52	37	50/58.8 (MCS11)	10.07	8.91	12.54	23.80	-11.26	2.10	14.64	29.80	-15.16
			CDD	52	44	50/58.8 (MCS11)	10.13	9.06	12.64	23.80	-11.16	2.10	14.74	29.80	-15.06
			CDD	52	52	50/58.8 (MCS11)	10.22	9.08	12.70	23.80	-11.10	2.10	14.80	29.80	-15.00
5530	106		CDD	52	37	50/58.8 (MCS11)	10.66	9.67	13.20	23.88	-10.68	3.90	17.10	29.88	-12.78
			CDD	52	44	50/58.8 (MCS11)	10.58	9.45	13.06	23.88	-10.82	3.90	16.96	29.88	-12.92
			CDD	52	52	50/58.8 (MCS11)	10.48	9.53	13.04	23.88	-10.84	3.90	16.94	29.88	-12.94
5690	138		CDD	52	37	50/58.8 (MCS11)	11.81	10.77	14.33	23.88	-9.55	3.90	18.23	29.88	-11.65
			CDD	52	44	50/58.8 (MCS11)	11.69	10.64	14.21	23.88	-9.67	3.90	18.11	29.88	-11.77
			CDD	52	52	50/58.8 (MCS11)	11.81	10.72	14.31	23.88	-9.5				

7.4.37 FCC CDD Diversity Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 1b	Summed		
5180	36		CDD	106	53	106.3/125 (MCS11)	14.72	13.90	17.34	23.98	-6.64
			CDD	106	54	106.3/125 (MCS11)	14.83	13.96	17.43	23.98	-6.55
5200	40		CDD	106	53	106.3/125 (MCS11)	14.92	13.87	17.44	23.98	-6.54
			CDD	106	54	106.3/125 (MCS11)	14.91	13.67	17.34	23.98	-6.64
5240	48		CDD	106	53	106.3/125 (MCS11)	14.65	13.96	17.33	23.98	-6.65
			CDD	106	54	106.3/125 (MCS11)	14.68	13.87	17.30	23.98	-6.68
5260	52		CDD	106	53	106.3/125 (MCS11)	14.66	13.66	17.20	23.80	-6.60
			CDD	106	54	106.3/125 (MCS11)	14.71	13.74	17.26	23.80	-6.54
5300	60		CDD	106	53	106.3/125 (MCS11)	14.75	13.85	17.34	23.80	-6.46
			CDD	106	54	106.3/125 (MCS11)	14.86	13.95	17.44	23.80	-6.36
5320	64		CDD	106	53	106.3/125 (MCS11)	14.92	13.85	17.43	23.80	-6.37
			CDD	106	54	106.3/125 (MCS11)	14.98	13.90	17.48	23.80	-6.32
5500	100		CDD	106	53	106.3/125 (MCS11)	13.53	12.69	16.14	23.88	-7.74
			CDD	106	54	106.3/125 (MCS11)	13.52	12.42	16.01	23.88	-7.87
5520	104		CDD	106	53	106.3/125 (MCS11)	14.97	13.74	17.41	23.88	-6.47
			CDD	106	54	106.3/125 (MCS11)	14.61	13.77	17.22	23.88	-6.66
5580	116		CDD	106	53	106.3/125 (MCS11)	14.91	13.84	17.41	23.88	-6.47
			CDD	106	54	106.3/125 (MCS11)	14.91	13.83	17.41	23.88	-6.47
5680	136		CDD	106	53	106.3/125 (MCS11)	14.98	13.61	17.36	23.88	-6.52
			CDD	106	54	106.3/125 (MCS11)	14.60	13.62	17.15	23.88	-6.73
5700	140		CDD	106	53	106.3/125 (MCS11)	11.24	10.16	13.74	23.88	-10.14
			CDD	106	54	106.3/125 (MCS11)	11.25	10.03	13.69	23.88	-10.19
5720	144		CDD	106	53	106.3/125 (MCS11)	14.81	13.88	17.38	23.88	-6.50
			CDD	106	54	106.3/125 (MCS11)	14.71	13.79	17.28	23.88	-6.60
5745	149		CDD	106	53	106.3/125 (MCS11)	17.26	16.14	19.75	30.00	-10.25
			CDD	106	54	106.3/125 (MCS11)	17.45	16.22	19.89	30.00	-10.11
5785	157		CDD	106	53	106.3/125 (MCS11)	17.35	16.18	19.82	30.00	-10.18
			CDD	106	54	106.3/125 (MCS11)	17.30	16.34	19.85	30.00	-10.15
5825	165		CDD	106	53	106.3/125 (MCS11)	17.30	16.25	19.82	30.00	-10.18
			CDD	106	54	106.3/125 (MCS11)	17.14	16.18	19.70	30.00	-10.30

Table 7-125. FCC CDD Diversity 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 86 of 279

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 1b	Summed		
5190	38	CDD	242	61	243.8/286.8 (MCS11)	12.49	11.31	14.95	23.98	-9.03	
		CDD	242	62	243.8/286.8 (MCS11)	12.10	11.45	14.80	23.98	-9.18	
5230	46	CDD	242	61	243.8/286.8 (MCS11)	16.91	15.75	19.38	23.98	-4.60	
		CDD	242	62	243.8/286.8 (MCS11)	16.62	15.86	19.27	23.98	-4.71	
5270	54	CDD	242	61	243.8/286.8 (MCS11)	16.77	15.68	19.27	23.80	-4.53	
		CDD	242	62	243.8/286.8 (MCS11)	16.83	15.79	19.35	23.80	-4.45	
5310	62	CDD	242	61	243.8/286.8 (MCS11)	11.25	10.01	13.68	23.80	-10.12	
		CDD	242	62	243.8/286.8 (MCS11)	10.98	10.17	13.61	23.80	-10.19	
5510	102	CDD	242	61	243.8/286.8 (MCS11)	11.43	10.07	13.81	23.88	-10.07	
		CDD	242	62	243.8/286.8 (MCS11)	11.45	10.40	13.96	23.88	-9.92	
5550	110	CDD	242	61	243.8/286.8 (MCS11)	16.24	15.42	18.86	23.88	-5.02	
		CDD	242	62	243.8/286.8 (MCS11)	16.29	15.24	18.81	23.88	-5.07	
5590	118	CDD	242	61	243.8/286.8 (MCS11)	16.65	15.76	19.24	23.88	-4.64	
		CDD	242	62	243.8/286.8 (MCS11)	16.62	15.87	19.27	23.88	-4.61	
5630	126	CDD	242	61	243.8/286.8 (MCS11)	16.75	16.00	19.40	23.88	-4.48	
		CDD	242	62	243.8/286.8 (MCS11)	16.86	15.64	19.30	23.88	-4.58	
5670	134	CDD	242	61	243.8/286.8 (MCS11)	13.17	12.06	15.66	23.88	-8.22	
		CDD	242	62	243.8/286.8 (MCS11)	13.20	12.12	15.70	23.88	-8.18	
5710	142	CDD	106	53	106.3/125 (MCS11)	14.74	13.87	17.33	23.88	-6.55	
		CDD	106	54	106.3/125 (MCS11)	14.77	13.62	17.24	23.88	-6.64	
		CDD	106	56	106.3/125 (MCS11)	14.80	14.00	17.43	23.88	-6.45	
5755	151	CDD	242	61	243.8/286.8 (MCS11)	18.18	17.01	20.65	30.00	-9.35	
		CDD	242	62	243.8/286.8 (MCS11)	17.91	17.16	20.56	30.00	-9.44	
5795	159	CDD	242	61	243.8/286.8 (MCS11)	19.31	18.18	21.79	30.00	-8.21	
		CDD	242	62	243.8/286.8 (MCS11)	19.10	18.38	21.76	30.00	-8.24	

Table 7-126. FCC CDD Diversity 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 1b	Summed		
5210	42	CDD	484	65	487.5/573.5 (MCS11)	11.62	10.95	14.31	23.98	-9.67	
		CDD	484	66	487.5/573.5 (MCS11)	11.86	10.82	14.38	23.98	-9.60	
5290	58	CDD	484	65	487.5/573.5 (MCS11)	10.20	9.07	12.68	23.80	-11.12	
		CDD	484	66	487.5/573.5 (MCS11)	10.15	8.90	12.58	23.80	-11.22	
5530	106	CDD	484	65	487.5/573.5 (MCS11)	10.60	9.54	13.11	23.88	-10.77	
		CDD	484	66	487.5/573.5 (MCS11)	10.66	9.60	13.17	23.88	-10.71	
5610	122	CDD	484	65	487.5/573.5 (MCS11)	14.22	13.35	16.82	23.88	-7.06	
		CDD	484	66	487.5/573.5 (MCS11)	14.18	13.23	16.74	23.88	-7.14	
5690	138	CDD	106	53	106.3/125 (MCS11)	14.67	13.96	17.34	23.88	-6.54	
		CDD	106	56	106.3/125 (MCS11)	14.92	13.65	17.34	23.88	-6.54	
		CDD	106	60	106.3/125 (MCS11)	14.68	13.88	17.31	23.88	-6.57	
5775	155	CDD	484	65	487.5/573.5 (MCS11)	15.15	13.97	17.61	30.00	-12.39	
		CDD	484	66	487.5/573.5 (MCS11)	14.88	14.03	17.49	30.00	-12.51	

Table 7-127. FCC CDD Diversity 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 87 of 279

7.4.38 ISED CDD/SDM Diversity Conducted Output Power Measurements (Highest Power Among Partially-Loaded RU's)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 1b	Summed						
5180	36	SDM	106	53	106.3/125 (MCS11)	12.46	12.40	15.44	-	-	0.77	16.21	22.79	-6.57	
		SDM	106	54	106.3/125 (MCS11)	12.18	12.38	15.29	-	-	0.77	16.06	22.79	-6.72	
5200	40	SDM	106	53	106.3/125 (MCS11)	12.26	12.22	15.25	-	-	0.77	16.02	22.79	-6.76	
		SDM	106	53	106.3/125 (MCS11)	12.34	12.40	15.38	-	-	0.77	16.15	22.79	-6.63	
5240	48	SDM	106	53	106.3/125 (MCS11)	12.26	12.49	15.39	-	-	0.77	16.16	22.79	-6.62	
		SDM	106	54	106.3/125 (MCS11)	12.36	12.26	15.32	-	-	0.77	16.09	22.79	-6.69	
5260	52	CDD	106	53	106.3/125 (MCS11)	14.66	13.66	17.20	23.80	-6.60	2.10	19.30	29.80	-10.50	
		CDD	106	54	106.3/125 (MCS11)	14.71	13.74	17.26	23.80	-6.54	2.10	19.36	29.80	-10.44	
5300	60	CDD	106	53	106.3/125 (MCS11)	14.75	13.85	17.34	23.80	-6.46	2.10	19.44	29.80	-10.36	
		CDD	106	54	106.3/125 (MCS11)	14.86	13.95	17.44	23.80	-6.36	2.10	19.54	29.80	-10.26	
5320	64	CDD	106	53	106.3/125 (MCS11)	14.92	13.85	17.43	23.80	-6.37	2.10	19.53	29.80	-10.27	
		CDD	106	54	106.3/125 (MCS11)	14.98	13.90	17.48	23.80	-6.32	2.10	19.58	29.80	-10.22	
5500	100	CDD	106	53	106.3/125 (MCS11)	13.53	12.69	16.14	23.88	-7.74	3.90	20.04	29.88	-9.84	
		CDD	106	54	106.3/125 (MCS11)	13.52	12.42	16.01	23.88	-7.87	3.90	19.91	29.88	-9.97	
5520	104	CDD	106	53	106.3/125 (MCS11)	14.97	13.74	17.41	23.88	-6.47	3.90	21.31	29.88	-8.57	
		CDD	106	54	106.3/125 (MCS11)	14.61	13.77	17.22	23.88	-6.66	3.90	21.12	29.88	-8.76	
5580	116	CDD	106	53	106.3/125 (MCS11)	14.91	13.84	17.41	23.88	-6.47	3.90	21.31	29.88	-8.57	
		CDD	106	54	106.3/125 (MCS11)	14.91	13.83	17.41	23.88	-6.47	3.90	21.31	29.88	-8.57	
5680	136	CDD	106	53	106.3/125 (MCS11)	14.98	13.61	17.36	23.88	-6.52	3.90	21.26	29.88	-8.62	
		CDD	106	54	106.3/125 (MCS11)	14.60	13.62	17.15	23.88	-6.73	3.90	21.05	29.88	-8.83	
5700	140	CDD	106	53	106.3/125 (MCS11)	11.24	10.16	13.74	23.88	-10.14	3.90	17.64	29.88	-12.24	
		CDD	106	53	106.3/125 (MCS11)	11.25	10.03	13.69	23.88	-10.19	3.90	17.59	29.88	-12.29	
5720	144	CDD	106	53	106.3/125 (MCS11)	14.81	13.88	17.38	23.88	-6.50	3.90	21.28	29.88	-8.60	
		CDD	106	54	106.3/125 (MCS11)	14.71	13.79	17.28	23.88	-6.60	3.90	21.18	29.88	-8.70	
5745	149	CDD	106	53	106.3/125 (MCS11)	17.26	16.14	19.75	30.00	-10.25	3.10	22.85	-	-	
		CDD	106	54	106.3/125 (MCS11)	17.45	16.22	19.89	30.00	-10.11	3.10	22.99	-	-	
5785	157	CDD	106	53	106.3/125 (MCS11)	17.35	16.18	19.82	30.00	-10.18	3.10	22.92	-	-	
		CDD	106	54	106.3/125 (MCS11)	17.30	16.34	19.85	30.00	-10.15	3.10	22.95	-	-	
5825	165	CDD	106	53	106.3/125 (MCS11)	17.30	16.25	19.82	30.00	-10.18	3.10	22.92	-	-	
		CDD	106	54	106.3/125 (MCS11)	17.14	16.18	19.70	30.00	-10.30	3.10	22.80	-	-	

Table 7-128. ISED CDD/SDM Diversity 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 1b	Summed						
5190	38	SDM	242	61	243.8/286.8 (MCS11)	12.32	12.29	15.31	-	-	0.77	16.08	22.79	-6.70	
		SDM	242	62	243.8/286.8 (MCS11)	12.27	12.38	15.33	-	-	0.77	16.10	22.79	-6.68	
5230	46	SDM	242	61	243.8/286.8 (MCS11)	14.19	14.15	17.18	-	-	0.77	17.95	22.79	-4.83	
		SDM	242	62	243.8/286.8 (MCS11)	14.36	14.30	17.34	-	-	0.77	18.11	22.79	-4.67	
5270	54	CDD	242	61	243.8/286.8 (MCS11)	16.77	15.68	19.27	23.80	-4.53	2.10	21.37	29.80	-8.43	
		CDD	242	62	243.8/286.8 (MCS11)	16.83	15.79	19.35	23.80	-4.45	2.10	21.45	29.80	-8.35	
5310	62	CDD	242	61	243.8/286.8 (MCS11)	11.25	10.01	13.68	23.80	-10.12	2.10	15.78	29.80	-14.02	
		CDD	242	62	243.8/286.8 (MCS11)	10.98	10.17	13.61	23.80	-10.19	2.10	15.71	29.80	-14.09	
5510	102	CDD	242	61	243.8/286.8 (MCS11)	11.43	10.07	13.81	23.88	-10.07	3.90	17.71	29.88	-12.17	
		CDD	242	62	243.8/286.8 (MCS11)	11.45	10.40	13.96	23.88	-9.92	3.90	17.86	29.88	-12.02	
5550	110	CDD	242	61	243.8/286.8 (MCS11)	16.24	15.42	18.86	23.88	-5.02	3.90	22.76	29.88	-7.12	
		CDD	242	62	243.8/286.8 (MCS11)	16.29	15.24	18.81	23.88	-5.07	3.90	22.71	29.88	-7.17	
5670	134	CDD	242	61	243.8/286.8 (MCS11)	13.17	12.06	15.66	23.88	-8.22	3.90	19.56	29.88	-10.32	
		CDD	242	62	243.8/286.8 (MCS11)	13.20	12.12	15.70	23.88	-8.18	3.90	19.60	29.88	-10.28	
5710	142	CDD	106	53	106.3/125 (MCS11)	14.74	13.87	17.33	23.88	-6.55	3.90	21.23	29.88	-8.65	
		CDD	106	56	106.3/125 (MCS11)	14.80	14.00	17.43	23.88	-6.45	3.90	21.33	29.88	-8.55	
5755	151	CDD	242	61	243.8/286.8 (MCS11)	18.18	17.01	20.65	30.00	-9.35	3.10	23.75	-	-	
		CDD	242	62	243.8/286.8 (MCS11)	17.91	17.16	20.56	30.00	-9.44	3.10	23.66	-	-	
5795	159	CDD	242	61	243.8/286.8 (MCS11)	19.31	18.18	21.79	30.00	-8.21	3.10	24.89	-	-	
		CDD	242	62	243.8/286.8 (MCS11)	19.10	18.38	21.76	30.00	-8.24	3.10	24.86	-	-	

Table 7-129. ISED CDD/SDM Diversity 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 1b	Summed						
5210	42	CDD	484	65	487.5/73.5 (MCS11)	11.78	11.93	14.87	-	-	2.30	17.17	22.79	-5.62	
		CDD	484	66	487.5/73.5 (MCS11)	11.93	11.64	14.80	-	-	2.30	17.10	22.79	-5.69	
5290	58	CDD	484	65	487.5/73.5 (MCS11)	10.20	9.07	12.68	23.80	-11.12	2.10	14.78	29.80	-15.02	
		CDD	484	66	487.5/73.5 (MCS11)	10.15	8.90	12.58	23.80	-11.22	2.10	14.68	29.80	-15.12	
5530	106	CDD	484	65	4										

7.4.39 FCC CDD Diversity Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 1b	Summed		
	5180	36	CDD	242	61	243.8/286.8 (MCS11)	15.39	14.20	17.85	23.98	-6.13
	5200	40	CDD	242	61	243.8/286.8 (MCS11)	16.66	15.70	19.22	23.98	-4.76
	5240	48	CDD	242	61	243.8/286.8 (MCS11)	16.62	15.87	19.27	23.98	-4.71
	5260	52	CDD	242	61	243.8/286.8 (MCS11)	16.66	15.79	19.26	23.80	-4.54
	5300	60	CDD	242	61	243.8/286.8 (MCS11)	16.81	15.75	19.32	23.80	-4.48
	5320	64	CDD	242	61	243.8/286.8 (MCS11)	15.41	14.24	17.88	23.80	-5.92
	5500	100	CDD	242	61	243.8/286.8 (MCS11)	13.74	12.46	16.16	23.88	-7.72
	5520	104	CDD	242	61	243.8/286.8 (MCS11)	16.84	15.66	19.30	23.88	-4.58
	5540	108	CDD	242	61	243.8/286.8 (MCS11)	16.84	15.69	19.31	23.88	-4.57
	5580	116	CDD	242	61	243.8/286.8 (MCS11)	16.97	15.82	19.44	23.88	-4.44
	5660	132	CDD	242	61	243.8/286.8 (MCS11)	16.89	15.99	19.47	23.88	-4.41
	5680	136	CDD	242	61	243.8/286.8 (MCS11)	15.48	14.39	17.98	23.88	-5.90
	5700	140	CDD	242	61	243.8/286.8 (MCS11)	11.07	10.10	13.62	23.88	-10.26
	5720	144	CDD	242	61	243.8/286.8 (MCS11)	16.68	15.61	19.19	23.88	-4.69
	5745	149	CDD	242	61	243.8/286.8 (MCS11)	20.28	19.32	22.84	30.00	-7.16
	5785	157	CDD	242	61	243.8/286.8 (MCS11)	20.16	19.39	22.80	30.00	-7.20
	5825	165	CDD	242	61	243.8/286.8 (MCS11)	20.39	19.25	22.87	30.00	-7.13

Table 7-131. FCC CDD Diversity 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 1b	Summed		
	5190	38	CDD	484	65	487.5/573.5 (MCS11)	12.44	11.44	14.98	23.98	-9.00
	5230	46	CDD	484	65	487.5/573.5 (MCS11)	18.34	17.47	20.94	23.98	-3.04
	5270	54	CDD	484	65	487.5/573.5 (MCS11)	18.74	17.84	21.32	23.80	-2.48
	5310	62	CDD	484	65	487.5/573.5 (MCS11)	11.22	10.16	13.73	23.80	-10.07
	5510	102	CDD	484	65	487.5/573.5 (MCS11)	11.38	10.31	13.89	23.88	-9.99
	5550	110	CDD	484	65	487.5/573.5 (MCS11)	16.18	15.44	18.84	23.88	-5.04
	5590	118	CDD	484	65	487.5/573.5 (MCS11)	19.18	18.24	21.75	23.88	-2.13
	5630	126	CDD	484	65	487.5/573.5 (MCS11)	17.36	16.62	20.02	23.88	-3.86
	5670	134	CDD	484	65	487.5/573.5 (MCS11)	13.04	12.05	15.58	23.88	-8.30
	5710	142	CDD	484	65	487.5/573.5 (MCS11)	19.26	18.12	21.74	23.88	-2.14
	5755	151	CDD	484	65	487.5/573.5 (MCS11)	17.97	17.18	20.60	30.00	-9.40
	5795	159	CDD	484	65	487.5/573.5 (MCS11)	19.21	18.25	21.77	30.00	-8.23

Table 7-132. FCC CDD Diversity 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
							Antenna 3c	Antenna 1b	Summed		
	5210	42	CDD	996	67	1020.8/1201 (MCS11)	11.96	10.65	14.37	23.98	-9.61
	5290	58	CDD	996	67	1020.8/1201 (MCS11)	10.04	8.98	12.56	23.80	-11.24
	5530	106	CDD	996	67	1020.8/1201 (MCS11)	10.71	9.57	13.19	23.88	-10.69
	5610	122	CDD	996	67	1020.8/1201 (MCS11)	14.23	13.43	16.86	23.88	-7.02
	5690	138	CDD	996	67	1020.8/1201 (MCS11)	19.62	18.67	22.18	23.88	-1.70
	5775	155	CDD	996	67	1020.8/1201 (MCS11)	15.00	14.01	17.54	30.00	-12.46

Table 7-133. FCC CDD Diversity 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 89 of 279

7.4.40 ISED CDD/SDM Diversity Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 1b	Summed						
	5180	36	SDM	242	61	243.8/286.8 (MCS11)	14.31	14.36	17.35	-	-	0.77	18.12	22.79	-4.66
	5200	40	SDM	242	61	243.8/286.8 (MCS11)	14.46	14.31	17.40	-	-	0.77	18.17	22.79	-4.61
	5240	48	SDM	242	61	243.8/286.8 (MCS11)	14.43	14.35	17.40	-	-	0.77	18.17	22.79	-4.61
	5260	52	CDD	242	61	243.8/286.8 (MCS11)	16.66	15.79	19.26	23.80	-4.54	2.10	21.36	29.80	-8.44
	5300	60	CDD	242	61	243.8/286.8 (MCS11)	16.81	15.75	19.32	23.80	-4.48	2.10	21.42	29.80	-8.38
	5320	64	CDD	242	61	243.8/286.8 (MCS11)	15.41	14.24	17.88	23.80	-5.92	2.10	19.98	29.80	-9.82
	5500	100	CDD	242	61	243.8/286.8 (MCS11)	13.74	12.46	16.16	23.88	-7.72	3.90	20.06	29.88	-9.82
	5520	104	CDD	242	61	243.8/286.8 (MCS11)	16.84	15.66	19.30	23.88	-4.58	3.90	23.20	29.88	-6.68
	5540	108	CDD	242	61	243.8/286.8 (MCS11)	16.84	15.69	19.31	23.88	-4.57	3.90	23.21	29.88	-6.67
	5580	116	CDD	242	61	243.8/286.8 (MCS11)	16.97	15.82	19.44	23.88	-4.44	3.90	23.34	29.88	-6.54
	5660	132	CDD	242	61	243.8/286.8 (MCS11)	16.89	15.99	19.47	23.88	-4.41	3.90	23.37	29.88	-6.51
	5680	136	CDD	242	61	243.8/286.8 (MCS11)	15.48	14.39	17.98	23.88	-5.90	3.90	21.88	29.88	-8.00
	5700	140	CDD	242	61	243.8/286.8 (MCS11)	11.07	10.10	13.62	23.88	-10.26	3.90	17.52	29.88	-12.36
	5720	144	CDD	242	61	243.8/286.8 (MCS11)	16.68	15.61	19.19	23.88	-4.69	3.90	23.09	29.88	-6.79
	5745	149	CDD	242	61	243.8/286.8 (MCS11)	20.28	19.32	22.84	30.00	-7.16	3.10	25.94	-	-
	5785	157	CDD	242	61	243.8/286.8 (MCS11)	20.16	19.39	22.80	30.00	-7.20	3.10	25.90	-	-
	5825	165	CDD	242	61	243.8/286.8 (MCS11)	20.39	19.25	22.87	30.00	-7.13	3.10	25.97	-	-

Table 7-134. ISED CDD/SDM Diversity 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 1b	Summed						
	5190	38	CDD	484	65	487.5/573.5 (MCS11)	12.19	12.29	15.25	-	-	2.30	17.55	22.79	-5.24
	5230	46	SDM	484	65	487.5/573.5 (MCS11)	17.16	17.28	20.23	-	-	0.77	21.00	22.79	-1.78
	5270	54	CDD	484	65	487.5/573.5 (MCS11)	18.74	17.84	21.32	23.80	-2.48	2.10	23.42	29.80	-6.38
	5310	62	CDD	484	65	487.5/573.5 (MCS11)	11.22	10.16	13.73	23.80	-10.07	2.10	15.83	29.80	-13.97
	5510	102	CDD	484	65	487.5/573.5 (MCS11)	11.38	10.31	13.89	23.88	-9.99	3.90	17.79	29.88	-12.09
	5550	110	CDD	484	65	487.5/573.5 (MCS11)	16.18	15.44	18.84	23.88	-5.04	3.90	22.74	29.88	-7.14
	5670	134	CDD	484	65	487.5/573.5 (MCS11)	13.04	12.05	15.58	23.88	-8.30	3.90	19.48	29.88	-10.40
	5710	142	CDD	484	65	487.5/573.5 (MCS11)	19.26	18.12	21.74	23.88	-2.14	3.90	25.64	29.88	-4.24
	5755	151	CDD	484	65	487.5/573.5 (MCS11)	17.97	17.18	20.60	30.00	-9.40	3.10	23.70	-	-
	5795	159	CDD	484	65	487.5/573.5 (MCS11)	19.21	18.25	21.77	30.00	-8.23	3.10	24.87	-	-

Table 7-135. ISED CDD/SDM Diversity 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Ant. Gain [dBi]	Max e.i.r.p. [dBm]	Max e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
							Antenna 3c	Antenna 1b	Summed						
	5210	42	CDD	996	67	1020.8/1201 (MCS11)	11.65	11.59	14.63	-	-	2.30	16.93	22.79	-5.86
	5290	58	CDD	996	67	1020.8/1201 (MCS11)	10.04	8.98	12.56	23.80	-11.24	2.10	14.66	29.80	-15.14
	5530	106	CDD	996	67	1020.8/1201 (MCS11)	10.71	9.57	13.19	23.88	-10.69	3.90	17.09	29.88	-12.79
	5690	138	CDD	996	67	1020.8/1201 (MCS11)	19.62	18.67	22.18	23.88	-1.70	3.90	26.08	29.88	-3.80
	5775	155	CDD	996	67	1020.8/1201 (MCS11)	15.00	14.01	17.54	30.00	-12.46	3.10	20.64	-	-

Table 7-136. ISED CDD Diversity 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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**Note:**

Per ANSI C63.10-2020 and KDB 662911 v02r01 Section E1), the conducted powers at Antenna 3c and Antenna 3a were first measured separately during CDD/SDM transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2020 Subclause 14.6.3, the correlated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = G_{ANT} + \text{Array Gain dBi}$$

Per ANSI C63.10-2020 Subclause 14.6.3, the uncorrelated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

Sample SDM Calculation:

At 5180MHz in 802.11ax (20MHz BW) mode, the average conducted output power was measured to be 6.18 dBm for Antenna 3c and 6.39 dBm for Antenna 3a.

$$\text{Antenna 3c} + \text{Antenna 3a} = \text{CDD/SDM}$$

$$(6.18 \text{ dBm} + 6.39 \text{ dBm}) = (4.15 \text{ mW} + 4.36 \text{ mW}) = 8.51 \text{ mW} = 9.30 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11ax (20MHz BW, SDM) mode, the average SDM conducted power was calculated to be 9.30 dBm with directional gain of 1.26 dBi.

$$\text{e.i.r.p. (dBm)} = \text{Conducted Power (dBm)} + \text{Ant gain (dBi)}$$

$$9.30 \text{ dBm} + 1.26 \text{ dBi} = 10.56 \text{ dBm}$$

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7.5 Maximum Power Spectral Density

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3.i); RSS-247 [6.2]

Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, was used to measure the power spectral density.

In the 5.15 – 5.25GHz, 5.25 – 5.35GHz, 5.47 – 5.725GHz bands, the maximum permissible power spectral density is 11dBm/MHz.

In the 5.15 – 5.25GHz band, the e.i.r.p. spectral density shall not exceed 10 dBm in any 1 MHz band.

In the 5.725 – 5.850GHz band, the maximum permissible power spectral density is 30dBm/500kHz.

Test Procedure Used

ANSI C63.10-2020 – Section 12.4.2.2

KDB 789033 D02 v02r01 – Section F

ANSI C63.10-2020 – Section 14.5.2.2 Measure-and-Sum Technique

KDB 662911 v02r01 – Section E2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Set span to encompass the entire 99% OBW of the signal
3. RBW = 1MHz for U-NII 1, U-NII 2A, U-NII 2C; 500kHz for U-NII 3
4. VBW \geq 3MHz for U-NII 1, U-NII 2A, U-NII 2C; $\geq 3 \times$ RBW for U-NII 3
5. Number of sweep points $\geq 2 \times$ (span/RBW)
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. All of the partially-loaded RU configurations have been investigated for Power Spectral Density measurement and among all partially-loaded RU configurations, the lowest supported RU configuration was found to be the worst case. Therefore, only RU26, RU52 (Partially-loaded RU) and RU242 (Fully-loaded RU) data are included in this section.
2. Low, mid, and high channels were tested and tabular data has been reported. Only worst case PSD plots have been reported.

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7.5.1 Antenna 3c Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26	0	12.5/14.7 (MCS11)	9.11	11.0	-1.89
				26	4	12.5/14.7 (MCS11)	8.57	11.0	-2.43
				26	8	12.5/14.7 (MCS11)	8.86	11.0	-2.14
	5200	40	ax (20MHz)	26	0	12.5/14.7 (MCS11)	9.35	11.0	-1.65
				26	4	12.5/14.7 (MCS11)	8.22	11.0	-2.78
				26	8	12.5/14.7 (MCS11)	9.51	11.0	-1.50
	5240	48	ax (20MHz)	26	0	12.5/14.7 (MCS11)	9.58	11.0	-1.42
				26	4	12.5/14.7 (MCS11)	8.17	11.0	-2.83
				26	8	12.5/14.7 (MCS11)	8.92	11.0	-2.08
	5190	38	ax (40MHz)	26	0	12.5/14.7 (MCS11)	7.78	11.0	-3.23
				26	8	12.5/14.7 (MCS11)	8.46	11.0	-2.54
				26	17	12.5/14.7 (MCS11)	8.50	11.0	-2.50
	5230	46	ax (40MHz)	26	0	12.5/14.7 (MCS11)	8.04	11.0	-2.96
				26	8	12.5/14.7 (MCS11)	8.80	11.0	-2.20
				26	17	12.5/14.7 (MCS11)	8.67	11.0	-2.33
	5210	42	ax (80MHz)	26	0	12.5/14.7 (MCS11)	8.50	11.0	-2.50
				26	18	12.5/14.7 (MCS11)	8.13	11.0	-2.87
				26	36	12.5/14.7 (MCS11)	9.37	11.0	-1.63

Table 7-137. Bands 1 Power Spectral Density Measurements Antenna 3c (RU26)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 2A	5260	52	ax (20MHz)	52	37	25/29.4 (MCS11)	9.26	11.0	-1.74
				52	38	25/29.4 (MCS11)	9.25	11.0	-1.75
				52	40	25/29.4 (MCS11)	9.23	11.0	-1.78
	5280	60	ax (20MHz)	52	37	25/29.4 (MCS11)	8.94	11.0	-2.07
				52	38	25/29.4 (MCS11)	9.14	11.0	-1.86
				52	40	25/29.4 (MCS11)	8.93	11.0	-2.08
	5320	64	ax (20MHz)	52	37	25/29.4 (MCS11)	9.07	11.0	-1.93
				52	38	25/29.4 (MCS11)	8.66	11.0	-2.34
				52	40	25/29.4 (MCS11)	9.08	11.0	-1.92
	5270	54	ax (40MHz)	52	37	25/29.4 (MCS11)	8.62	11.0	-2.38
				52	40	25/29.4 (MCS11)	8.24	11.0	-2.76
				52	44	25/29.4 (MCS11)	8.86	11.0	-2.14
	5310	62	ax (40MHz)	52	37	25/29.4 (MCS11)	8.24	11.0	-2.76
				52	40	25/29.4 (MCS11)	8.02	11.0	-2.98
				52	44	25/29.4 (MCS11)	7.71	11.0	-3.30
	5290	58	ax (80MHz)	52	37	25/29.4 (MCS11)	7.02	11.0	-3.98
				52	44	25/29.4 (MCS11)	7.10	11.0	-3.90
				52	52	25/29.4 (MCS11)	6.66	11.0	-4.34
Band 2C	5500	100	ax (20MHz)	52	37	25/29.4 (MCS11)	9.13	11.0	-1.88
				52	38	25/29.4 (MCS11)	9.17	11.0	-1.84
				52	40	25/29.4 (MCS11)	9.21	11.0	-1.79
	5580	116	ax (20MHz)	52	37	25/29.4 (MCS11)	9.09	11.0	-1.91
				52	38	25/29.4 (MCS11)	8.96	11.0	-2.04
				52	40	25/29.4 (MCS11)	8.72	11.0	-2.28
	5720	144	ax (20MHz)	52	37	25/29.4 (MCS11)	9.83	11.0	-1.17
				52	38	25/29.4 (MCS11)	9.23	11.0	-1.77
				52	40	25/29.4 (MCS11)	9.67	11.0	-1.33
	5510	102	ax (40MHz)	52	37	25/29.4 (MCS11)	7.43	11.0	-3.57
				52	40	25/29.4 (MCS11)	7.61	11.0	-3.39
				52	44	25/29.4 (MCS11)	7.31	11.0	-3.69
	5550	110	ax (40MHz)	52	37	25/29.4 (MCS11)	8.85	11.0	-2.15
				52	40	25/29.4 (MCS11)	8.51	11.0	-2.49
				52	44	25/29.4 (MCS11)	8.73	11.0	-2.27
	*5590	118	ax (40MHz)	52	37	25/29.4 (MCS11)	8.30	11.0	-2.70
				52	40	25/29.4 (MCS11)	8.63	11.0	-2.37
				52	44	25/29.4 (MCS11)	8.85	11.0	-2.15
	5670	134	ax (40MHz)	52	37	25/29.4 (MCS11)	8.23	11.0	-2.77
				52	40	25/29.4 (MCS11)	8.65	11.0	-2.36
				52	44	25/29.4 (MCS11)	8.90	11.0	-2.10
	5710	142	ax (40MHz)	52	37	25/29.4 (MCS11)	8.75	11.0	-2.25
				52	40	25/29.4 (MCS11)	9.21	11.0	-1.79
				52	44	25/29.4 (MCS11)	8.63	11.0	-2.37
	5530	106	ax (80MHz)	52	37	25/29.4 (MCS11)	7.25	11.0	-3.75
				52	44	25/29.4 (MCS11)	7.16	11.0	-3.84
				52	52	25/29.4 (MCS11)	5.84	11.0	-5.16
	*5610	122	ax (80MHz)	52	37	25/29.4 (MCS11)	8.72	11.0	-2.29
				52	44	25/29.4 (MCS11)	8.76	11.0	-2.24
				52	52	25/29.4 (MCS11)	9.03	11.0	-1.97
	5690	138	ax (80MHz)	52	37	25/29.4 (MCS11)	8.60	11.0	-2.40
				52	44	25/29.4 (MCS11)	8.34	11.0	-2.66
				52	52	25/29.4 (MCS11)	9.22	11.0	-1.78

Table 7-138. Bands 2A and 2C Power Spectral Density Measurements Antenna 3c (RU52)

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

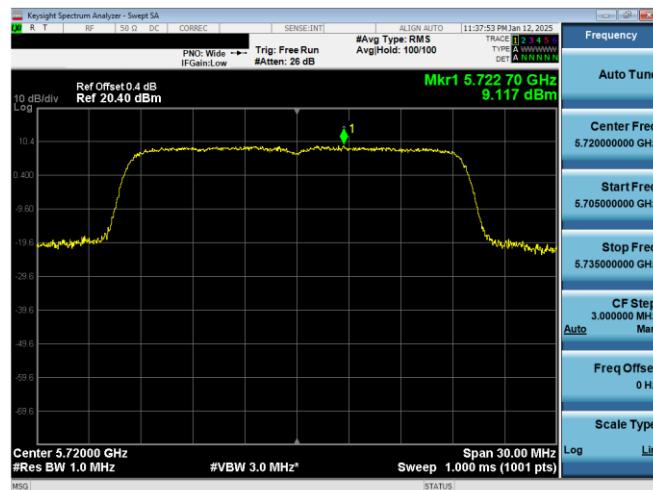
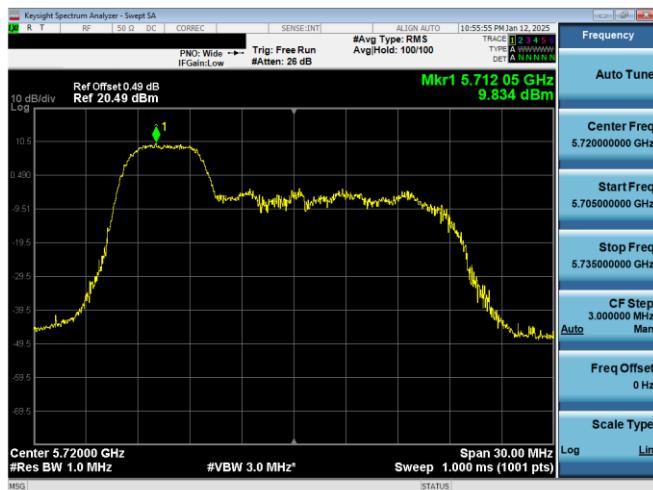
FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242	61	121.9/143.4 (MCS11)	5.13	11.0	-5.87
	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	8.93	11.0	-2.07
	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	8.57	11.0	-2.43
	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	0.56	11.0	-10.44
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	6.16	11.0	-4.84
	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-1.68	11.0	-12.68
Band 2A	5260	52	ax (20MHz)	242	61	121.9/143.4 (MCS11)	8.40	11.0	-2.60
	5280	60	ax (20MHz)	242	61	121.9/143.4 (MCS11)	8.84	11.0	-2.16
	5320	64	ax (20MHz)	242	61	121.9/143.4 (MCS11)	5.18	11.0	-5.82
	5270	54	ax (40MHz)	484	65	243.8/286.8 (MCS11)	6.14	11.0	-4.86
	5310	62	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-0.83	11.0	-11.83
	5290	58	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-4.19	11.0	-15.19
Band 2C	5500	100	ax (20MHz)	242	61	121.9/143.4 (MCS11)	3.41	11.0	-7.59
	5580	116	ax (20MHz)	242	61	121.9/143.4 (MCS11)	8.58	11.0	-2.42
	5720	144	ax (20MHz)	242	61	121.9/143.4 (MCS11)	9.12	11.0	-1.88
	5510	102	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-0.66	11.0	-11.66
	5550	110	ax (40MHz)	484	65	243.8/286.8 (MCS11)	4.46	11.0	-6.54
	*5590	118	ax (40MHz)	484	65	243.8/286.8 (MCS11)	5.97	11.0	-5.04
	5710	142	ax (40MHz)	484	65	243.8/286.8 (MCS11)	6.22	11.0	-4.78
	5530	106	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-4.18	11.0	-15.18
	*5610	122	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-0.43	11.0	-11.43
	5690	138	ax (80MHz)	996	67	510.4/600.5 (MCS11)	3.85	11.0	-7.15

Table 7-139. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 3c (Fully-loaded RU)

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

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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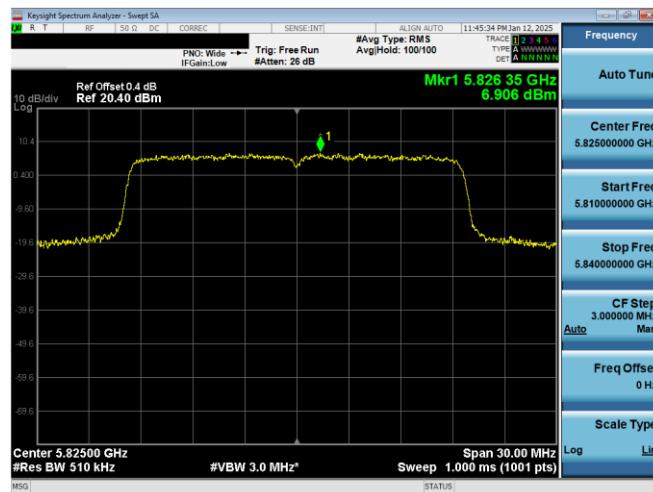
	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	26	0	12.5/14.7 (MCS11)	6.18	30.0	-23.82
				26	4	12.5/14.7 (MCS11)	5.86	30.0	-24.14
				26	8	12.5/14.7 (MCS11)	6.32	30.0	-23.68
	5785	157	ax (20MHz)	26	0	12.5/14.7 (MCS11)	6.69	30.0	-23.31
				26	4	12.5/14.7 (MCS11)	5.99	30.0	-24.01
				26	8	12.5/14.7 (MCS11)	6.41	30.0	-23.59
	5825	165	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.72	30.0	-24.28
				26	4	12.5/14.7 (MCS11)	5.81	30.0	-24.19
				26	8	12.5/14.7 (MCS11)	6.58	30.0	-23.42
	5755	151	ax (40MHz)	26	0	12.5/14.7 (MCS11)	6.11	30.0	-23.89
				26	8	12.5/14.7 (MCS11)	5.51	30.0	-24.49
				26	17	12.5/14.7 (MCS11)	5.29	30.0	-24.71
	5795	159	ax (40MHz)	26	0	12.5/14.7 (MCS11)	5.33	30.0	-24.67
				26	8	12.5/14.7 (MCS11)	6.11	30.0	-23.89
				26	17	12.5/14.7 (MCS11)	5.64	30.0	-24.37
	5775	155	ax (80MHz)	26	0	12.5/14.7 (MCS11)	6.15	30.0	-23.85
				26	18	12.5/14.7 (MCS11)	5.57	30.0	-24.43
				26	36	12.5/14.7 (MCS11)	5.89	30.0	-24.11

Table 7-140. Band 3 Power Spectral Density Measurements Antenna 3c (RU26)

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.82	30.0	-23.18
	5785	157	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.79	30.0	-23.21
	5825	165	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.91	30.0	-23.09
	5755	151	ax (40MHz)	484	65	243.8/286.8 (MCS11)	4.12	30.0	-25.89
	5795	159	ax (40MHz)	484	65	243.8/286.8 (MCS11)	3.05	30.0	-26.95
	5775	155	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-1.54	30.0	-31.54

Table 7-141. Band 3 Power Spectral Density Measurements Antenna 3c (Fully-loaded RU)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 98 of 279



FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device

V 10.6 10/27/2023

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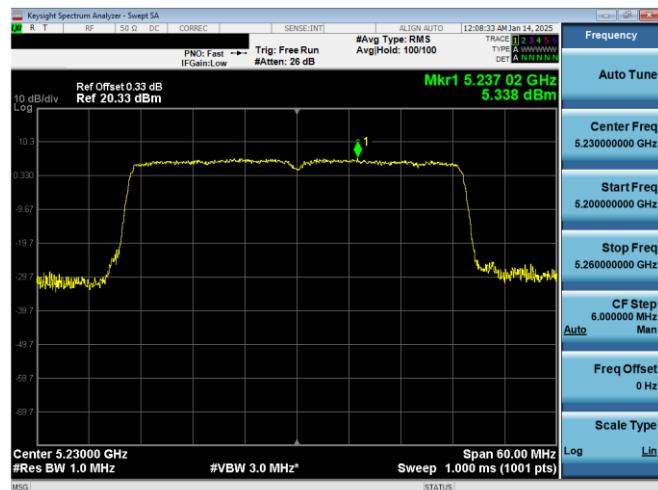
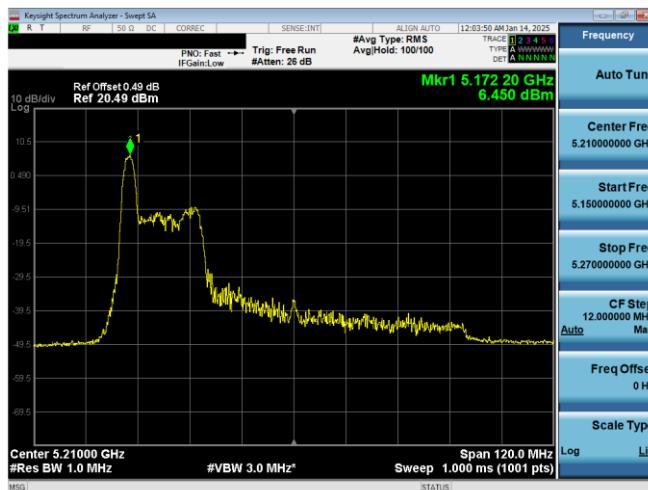
	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.97	2.30	8.27	10.0	-1.73
				26	4	12.5/14.7 (MCS11)	4.98	2.30	7.28	10.0	-2.73
				26	8	12.5/14.7 (MCS11)	5.40	2.30	7.70	10.0	-2.30
	5200	40	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.53	2.30	7.83	10.0	-2.17
				26	4	12.5/14.7 (MCS11)	4.77	2.30	7.07	10.0	-2.93
				26	8	12.5/14.7 (MCS11)	5.54	2.30	7.84	10.0	-2.16
	5240	48	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.07	2.30	7.37	10.0	-2.63
				26	4	12.5/14.7 (MCS11)	4.35	2.30	6.65	10.0	-3.36
				26	8	12.5/14.7 (MCS11)	5.71	2.30	8.01	10.0	-1.99
	5190	38	ax (40MHz)	26	0	12.5/14.7 (MCS11)	6.26	2.30	8.56	10.0	-1.44
				26	8	12.5/14.7 (MCS11)	6.29	2.30	8.59	10.0	-1.41
				26	17	12.5/14.7 (MCS11)	6.38	2.30	8.68	10.0	-1.33
	5230	46	ax (40MHz)	26	0	12.5/14.7 (MCS11)	6.39	2.30	8.69	10.0	-1.31
				26	8	12.5/14.7 (MCS11)	6.38	2.30	8.68	10.0	-1.32
				26	17	12.5/14.7 (MCS11)	5.79	2.30	8.09	10.0	-1.91
	5210	42	ax (80MHz)	26	0	12.5/14.7 (MCS11)	6.45	2.30	8.75	10.0	-1.25
				26	18	12.5/14.7 (MCS11)	5.29	2.30	7.59	10.0	-2.41
				26	36	12.5/14.7 (MCS11)	6.44	2.30	8.74	10.0	-1.26

Table 7-142. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 3c (RU26)

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	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	ax (20MHz)	242	61	121.9/143.4 (MCS11)	4.73	2.30	7.03	10.0	-2.97
	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	5.29	2.30	7.59	10.0	-2.41
	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	4.96	2.30	7.26	10.0	-2.74
	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	0.34	2.30	2.64	10.0	-7.36
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	5.34	2.30	7.64	10.0	-2.36
	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-2.26	2.30	0.04	10.0	-9.96

Table 7-143. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 3c (Fully-loaded RU)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)					Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device					



FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device

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7.5.2 Antenna 3a Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26	0	12.5/14.7 (MCS11)	9.30	11.0	-1.70
				26	4	12.5/14.7 (MCS11)	8.48	11.0	-2.52
				26	8	12.5/14.7 (MCS11)	9.40	11.0	-1.60
	5200	40	ax (20MHz)	26	0	12.5/14.7 (MCS11)	8.53	11.0	-2.47
				26	4	12.5/14.7 (MCS11)	8.11	11.0	-2.89
				26	8	12.5/14.7 (MCS11)	9.19	11.0	-1.81
	5240	48	ax (20MHz)	26	0	12.5/14.7 (MCS11)	8.92	11.0	-2.08
				26	4	12.5/14.7 (MCS11)	8.10	11.0	-2.90
				26	8	12.5/14.7 (MCS11)	9.34	11.0	-1.66
	5190	38	ax (40MHz)	26	0	12.5/14.7 (MCS11)	8.22	11.0	-2.78
				26	8	12.5/14.7 (MCS11)	8.19	11.0	-2.81
				26	17	12.5/14.7 (MCS11)	8.59	11.0	-2.42
	5230	46	ax (40MHz)	26	0	12.5/14.7 (MCS11)	8.29	11.0	-2.71
				26	8	12.5/14.7 (MCS11)	8.38	11.0	-2.62
				26	17	12.5/14.7 (MCS11)	8.59	11.0	-2.41
	5210	42	ax (80MHz)	26	0	12.5/14.7 (MCS11)	9.05	11.0	-1.96
				26	18	12.5/14.7 (MCS11)	8.02	11.0	-2.98
				26	36	12.5/14.7 (MCS11)	8.99	11.0	-2.01

Table 7-144. Bands 1 Power Spectral Density Measurements Antenna 3a (RU26)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 102 of 279

	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 2A	5260	52	ax (20MHz)	52	37	25/29.4 (MCS11)	9.29	11.0	-1.71
				52	38	25/29.4 (MCS11)	9.56	11.0	-1.44
				52	40	25/29.4 (MCS11)	9.10	11.0	-1.90
	5280	60	ax (20MHz)	52	37	25/29.4 (MCS11)	9.72	11.0	-1.29
				52	38	25/29.4 (MCS11)	9.32	11.0	-1.68
				52	40	25/29.4 (MCS11)	9.39	11.0	-1.61
	5320	64	ax (20MHz)	52	37	25/29.4 (MCS11)	9.34	11.0	-1.66
				52	38	25/29.4 (MCS11)	9.39	11.0	-1.61
				52	40	25/29.4 (MCS11)	9.56	11.0	-1.44
	5270	54	ax (40MHz)	52	37	25/29.4 (MCS11)	8.58	11.0	-2.42
				52	40	25/29.4 (MCS11)	8.44	11.0	-2.57
				52	44	25/29.4 (MCS11)	9.35	11.0	-1.65
	5310	62	ax (40MHz)	52	37	25/29.4 (MCS11)	7.75	11.0	-3.25
				52	40	25/29.4 (MCS11)	8.04	11.0	-2.96
				52	44	25/29.4 (MCS11)	7.63	11.0	-3.38
	5290	58	ax (80MHz)	52	37	25/29.4 (MCS11)	7.37	11.0	-3.63
				52	44	25/29.4 (MCS11)	7.33	11.0	-3.68
				52	52	25/29.4 (MCS11)	7.54	11.0	-3.46
Band 2C	5500	100	ax (20MHz)	52	37	25/29.4 (MCS11)	9.47	11.0	-1.53
				52	38	25/29.4 (MCS11)	9.03	11.0	-1.97
				52	40	25/29.4 (MCS11)	9.24	11.0	-1.76
	5580	116	ax (20MHz)	52	37	25/29.4 (MCS11)	9.21	11.0	-1.79
				52	38	25/29.4 (MCS11)	9.08	11.0	-1.92
				52	40	25/29.4 (MCS11)	9.05	11.0	-1.95
	5720	144	ax (20MHz)	52	37	25/29.4 (MCS11)	9.06	11.0	-1.94
				52	38	25/29.4 (MCS11)	9.00	11.0	-2.00
				52	40	25/29.4 (MCS11)	9.45	11.0	-1.55
	5510	102	ax (40MHz)	52	37	25/29.4 (MCS11)	8.04	11.0	-2.96
				52	40	25/29.4 (MCS11)	8.19	11.0	-2.81
				52	44	25/29.4 (MCS11)	7.63	11.0	-3.37
	5550	110	ax (40MHz)	52	37	25/29.4 (MCS11)	8.39	11.0	-2.61
				52	40	25/29.4 (MCS11)	8.45	11.0	-2.55
				52	44	25/29.4 (MCS11)	8.42	11.0	-2.58
	*5590	118	ax (40MHz)	52	37	25/29.4 (MCS11)	8.39	11.0	-2.61
				52	40	25/29.4 (MCS11)	8.64	11.0	-2.36
				52	44	25/29.4 (MCS11)	7.99	11.0	-3.01
	5670	134	ax (40MHz)	52	37	25/29.4 (MCS11)	7.81	11.0	-3.19
				52	40	25/29.4 (MCS11)	8.78	11.0	-2.22
				52	44	25/29.4 (MCS11)	9.08	11.0	-1.92
	5710	142	ax (40MHz)	52	37	25/29.4 (MCS11)	8.27	11.0	-2.73
				52	40	25/29.4 (MCS11)	8.83	11.0	-2.17
				52	44	25/29.4 (MCS11)	8.84	11.0	-2.17
	5530	106	ax (80MHz)	52	37	25/29.4 (MCS11)	7.07	11.0	-3.93
				52	44	25/29.4 (MCS11)	6.84	11.0	-4.16
				52	52	25/29.4 (MCS11)	6.60	11.0	-4.40
	*5610	122	ax (80MHz)	52	37	25/29.4 (MCS11)	9.33	11.0	-1.67
				52	44	25/29.4 (MCS11)	8.49	11.0	-2.51
				52	52	25/29.4 (MCS11)	9.01	11.0	-1.99
	5690	138	ax (80MHz)	52	37	25/29.4 (MCS11)	8.51	11.0	-2.49
				52	44	25/29.4 (MCS11)	9.25	11.0	-1.76
				52	52	25/29.4 (MCS11)	9.13	11.0	-1.87

Table 7-145. Bands 2A and 2C Power Spectral Density Measurements Antenna 3a (RU52)

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

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 103 of 279 V 10.6 10/27/2023

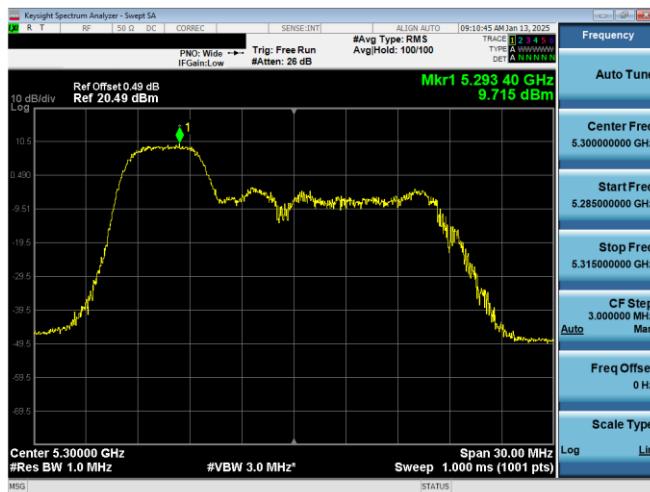
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	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242	61	121.9/143.4 (MCS11)	5.17	11.0	-5.83
	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	9.08	11.0	-1.92
	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	9.17	11.0	-1.83
	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	0.39	11.0	-10.61
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	6.00	11.0	-5.00
	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-1.71	11.0	-12.71
Band 2A	5260	52	ax (20MHz)	242	61	121.9/143.4 (MCS11)	8.52	11.0	-2.48
	5280	60	ax (20MHz)	242	61	121.9/143.4 (MCS11)	8.86	11.0	-2.15
	5320	64	ax (20MHz)	242	61	121.9/143.4 (MCS11)	5.06	11.0	-5.94
	5270	54	ax (40MHz)	484	65	243.8/286.8 (MCS11)	6.28	11.0	-4.72
	5310	62	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-0.49	11.0	-11.49
	5290	58	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-4.05	11.0	-15.05
Band 2C	5500	100	ax (20MHz)	242	61	121.9/143.4 (MCS11)	3.22	11.0	-7.78
	5580	116	ax (20MHz)	242	61	121.9/143.4 (MCS11)	8.44	11.0	-2.56
	5720	144	ax (20MHz)	242	61	121.9/143.4 (MCS11)	8.83	11.0	-2.17
	5510	102	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-0.77	11.0	-11.77
	5550	110	ax (40MHz)	484	65	243.8/286.8 (MCS11)	4.63	11.0	-6.37
	*5590	118	ax (40MHz)	484	65	243.8/286.8 (MCS11)	5.28	11.0	-5.72
	5710	142	ax (40MHz)	484	65	243.8/286.8 (MCS11)	5.74	11.0	-5.26
	5530	106	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-4.16	11.0	-15.16
	*5610	122	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-0.36	11.0	-11.36
	5690	138	ax (80MHz)	996	67	510.4/600.5 (MCS11)	4.10	11.0	-6.90

Table 7-146. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 3a (Fully-loaded RU)

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

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 104 of 279



Plot 7-19. PSD Antenna 3a (20MHz BW 11ax Index37 – RU52 – Ch.60)



Plot 7-20. PSD Antenna 3a (20MHz BW 11ax – RU242 – Ch.48)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 105 of 279

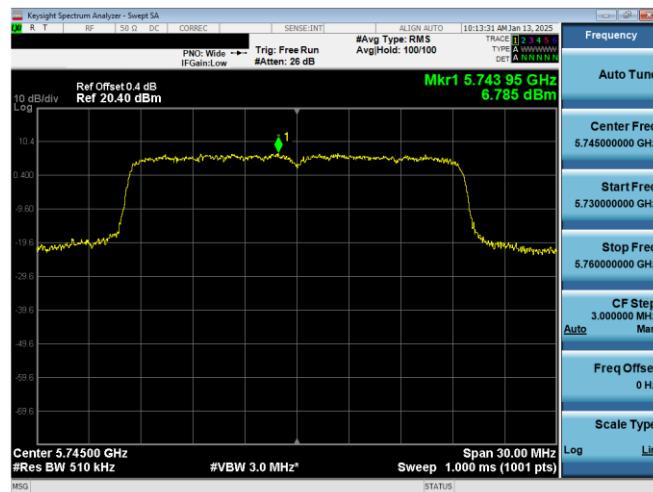
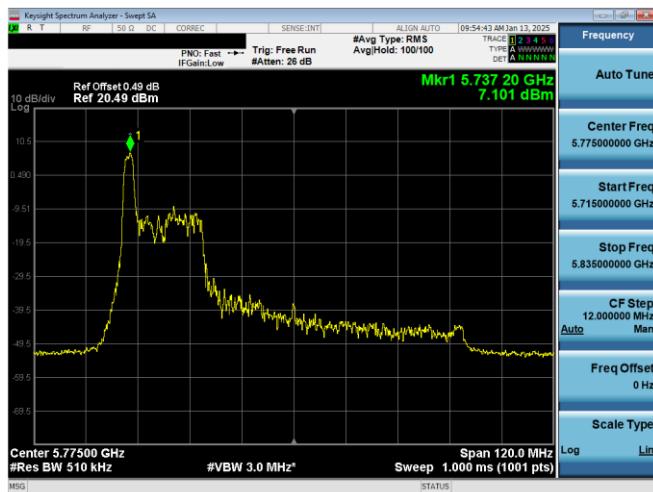
	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	26	0	12.5/14.7 (MCS11)	6.17	30.0	-23.83
				26	4	12.5/14.7 (MCS11)	6.14	30.0	-23.86
				26	8	12.5/14.7 (MCS11)	5.80	30.0	-24.20
	5785	157	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.86	30.0	-24.14
				26	4	12.5/14.7 (MCS11)	5.43	30.0	-24.57
				26	8	12.5/14.7 (MCS11)	6.10	30.0	-23.90
	5825	165	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.65	30.0	-24.35
				26	4	12.5/14.7 (MCS11)	6.01	30.0	-23.99
				26	8	12.5/14.7 (MCS11)	6.17	30.0	-23.83
	5755	151	ax (40MHz)	26	0	12.5/14.7 (MCS11)	5.31	30.0	-24.69
				26	8	12.5/14.7 (MCS11)	5.26	30.0	-24.74
				26	17	12.5/14.7 (MCS11)	5.19	30.0	-24.81
	5795	159	ax (40MHz)	26	0	12.5/14.7 (MCS11)	5.21	30.0	-24.79
				26	8	12.5/14.7 (MCS11)	5.28	30.0	-24.72
				26	17	12.5/14.7 (MCS11)	5.02	30.0	-24.98
	5775	155	ax (80MHz)	26	0	12.5/14.7 (MCS11)	7.10	30.0	-22.90
				26	18	12.5/14.7 (MCS11)	5.61	30.0	-24.39
				26	36	12.5/14.7 (MCS11)	5.06	30.0	-24.94

Table 7-147. Band 3 Power Spectral Density Measurements Antenna 3a (RU26)

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.79	30.0	-23.22
	5785	157	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.03	30.0	-23.97
	5825	165	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.62	30.0	-23.38
	5755	151	ax (40MHz)	484	65	243.8/286.8 (MCS11)	3.13	30.0	-26.87
	5795	159	ax (40MHz)	484	65	243.8/286.8 (MCS11)	2.59	30.0	-27.41
	5775	155	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-2.36	30.0	-32.36

Table 7-148. Band 3 Power Spectral Density Measurements Antenna 3a (Fully-loaded RU)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 106 of 279



FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 107 of 279

	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	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	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.72	-0.10	5.62	10.0	-4.38
				26	4	12.5/14.7 (MCS11)	4.79	-0.10	4.69	10.0	-5.31
				26	8	12.5/14.7 (MCS11)	5.62	-0.10	5.52	10.0	-4.48
	5200	40	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.66	-0.10	5.56	10.0	-4.44
				26	4	12.5/14.7 (MCS11)	4.34	-0.10	4.24	10.0	-5.76
				26	8	12.5/14.7 (MCS11)	5.46	-0.10	5.36	10.0	-4.64
	5240	48	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.72	-0.10	5.62	10.0	-4.38
				26	4	12.5/14.7 (MCS11)	5.19	-0.10	5.09	10.0	-4.91
				26	8	12.5/14.7 (MCS11)	5.26	-0.10	5.16	10.0	-4.84
	5190	38	ax (40MHz)	26	0	12.5/14.7 (MCS11)	5.72	-0.10	5.62	10.0	-4.38
				26	8	12.5/14.7 (MCS11)	6.24	-0.10	6.14	10.0	-3.86
				26	17	12.5/14.7 (MCS11)	6.32	-0.10	6.22	10.0	-3.78
	5230	46	ax (40MHz)	26	0	12.5/14.7 (MCS11)	6.35	-0.10	6.25	10.0	-3.75
				26	8	12.5/14.7 (MCS11)	5.99	-0.10	5.89	10.0	-4.11
				26	17	12.5/14.7 (MCS11)	6.60	-0.10	6.50	10.0	-3.50
	5210	42	ax (80MHz)	26	0	12.5/14.7 (MCS11)	5.93	-0.10	5.83	10.0	-4.17
				26	18	12.5/14.7 (MCS11)	5.02	-0.10	4.92	10.0	-5.08
				26	36	12.5/14.7 (MCS11)	6.11	-0.10	6.01	10.0	-3.99

Table 7-149. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 3a (RU26)

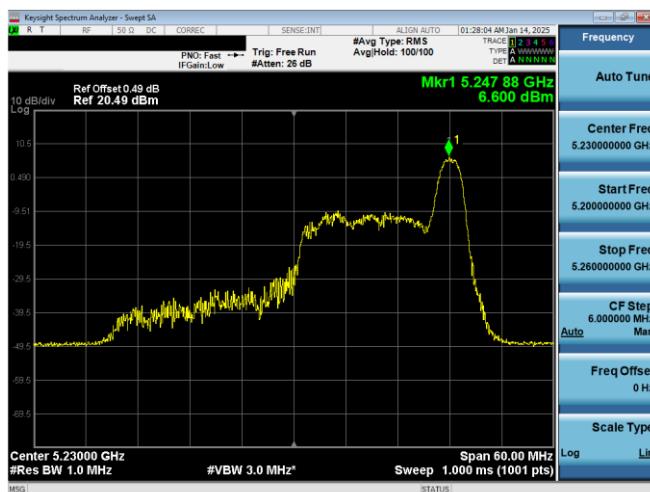
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242	61	121.9/143.4 (MCS11)	4.89	-0.10	4.79	10.0	-5.21
	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	5.14	-0.10	5.04	10.0	-4.97
	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	4.81	-0.10	4.71	10.0	-5.29
	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	0.49	-0.10	0.39	10.0	-9.61
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	5.19	-0.10	5.09	10.0	-4.91
	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-1.68	-0.10	-1.78	10.0	-11.78

Table 7-150. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 3a (Fully-loaded RU)

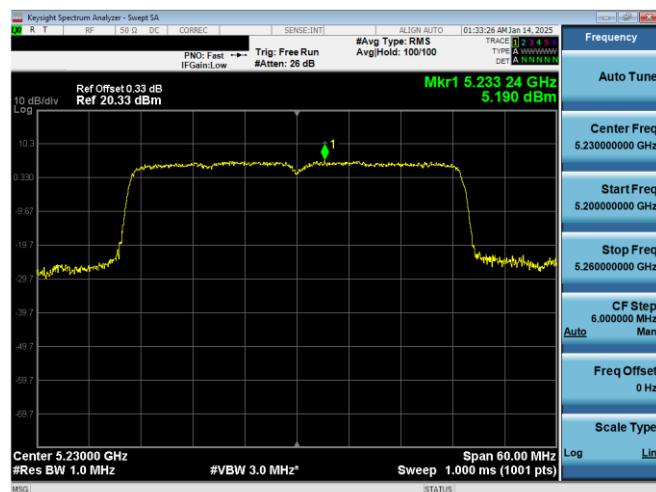
FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)					Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device					Page 108 of 279



element



Plot 7-23. PSD Antenna 3a (40MHz BW 11ax Index 17 – RU26 – Ch.46)



Plot 7-24. PSD Antenna 3a (20MHz BW 11ax – RU484 – Ch.46)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 109 of 279

7.5.3 Antenna 1b Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26	0	12.5/14.7 (MCS11)	7.78	11.0	-3.22
				26	4	12.5/14.7 (MCS11)	6.84	11.0	-4.17
				26	8	12.5/14.7 (MCS11)	7.06	11.0	-3.95
	5200	40	ax (20MHz)	26	0	12.5/14.7 (MCS11)	7.99	11.0	-3.01
				26	4	12.5/14.7 (MCS11)	6.44	11.0	-4.56
				26	8	12.5/14.7 (MCS11)	7.80	11.0	-3.20
	5240	48	ax (20MHz)	26	0	12.5/14.7 (MCS11)	7.77	11.0	-3.23
				26	4	12.5/14.7 (MCS11)	6.80	11.0	-4.21
				26	8	12.5/14.7 (MCS11)	7.09	11.0	-3.91
	5190	38	ax (40MHz)	26	0	12.5/14.7 (MCS11)	7.15	11.0	-3.85
				26	8	12.5/14.7 (MCS11)	6.96	11.0	-4.04
				26	17	12.5/14.7 (MCS11)	7.23	11.0	-3.77
	5230	46	ax (40MHz)	26	0	12.5/14.7 (MCS11)	6.38	11.0	-4.62
				26	8	12.5/14.7 (MCS11)	7.39	11.0	-3.61
				26	17	12.5/14.7 (MCS11)	7.09	11.0	-3.91
	5210	42	ax (80MHz)	26	0	12.5/14.7 (MCS11)	7.33	11.0	-3.67
				26	18	12.5/14.7 (MCS11)	6.58	11.0	-4.42
				26	36	12.5/14.7 (MCS11)	7.18	11.0	-3.82

Table 7-151. Bands 1 Power Spectral Density Measurements Antenna 1b (RU26)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 110 of 279

	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 2A	5260	52	ax (20MHz)	52	37	25/29.4 (MCS11)	7.80	11.0	-3.20
				52	38	25/29.4 (MCS11)	7.78	11.0	-3.22
				52	40	25/29.4 (MCS11)	7.46	11.0	-3.54
	5280	60	ax (20MHz)	52	37	25/29.4 (MCS11)	7.75	11.0	-3.25
				52	38	25/29.4 (MCS11)	7.30	11.0	-3.70
				52	40	25/29.4 (MCS11)	7.92	11.0	-3.08
	5320	64	ax (20MHz)	52	37	25/29.4 (MCS11)	8.12	11.0	-2.89
				52	38	25/29.4 (MCS11)	8.00	11.0	-3.00
				52	40	25/29.4 (MCS11)	7.59	11.0	-3.41
	5270	54	ax (40MHz)	52	37	25/29.4 (MCS11)	7.56	11.0	-3.45
				52	40	25/29.4 (MCS11)	7.45	11.0	-3.55
				52	44	25/29.4 (MCS11)	7.79	11.0	-3.21
	5310	62	ax (40MHz)	52	37	25/29.4 (MCS11)	6.42	11.0	-4.58
				52	40	25/29.4 (MCS11)	6.39	11.0	-4.61
				52	44	25/29.4 (MCS11)	6.38	11.0	-4.62
	5290	58	ax (80MHz)	52	37	25/29.4 (MCS11)	5.87	11.0	-5.13
				52	44	25/29.4 (MCS11)	5.88	11.0	-5.12
				52	52	25/29.4 (MCS11)	5.31	11.0	-5.69
Band 2C	5500	100	ax (20MHz)	52	37	25/29.4 (MCS11)	7.94	11.0	-3.06
				52	38	25/29.4 (MCS11)	7.77	11.0	-3.23
				52	40	25/29.4 (MCS11)	7.40	11.0	-3.60
	5580	116	ax (20MHz)	52	37	25/29.4 (MCS11)	7.76	11.0	-3.25
				52	38	25/29.4 (MCS11)	7.47	11.0	-3.53
				52	40	25/29.4 (MCS11)	7.58	11.0	-3.42
	5720	144	ax (20MHz)	52	37	25/29.4 (MCS11)	8.08	11.0	-2.92
				52	38	25/29.4 (MCS11)	7.74	11.0	-3.26
				52	40	25/29.4 (MCS11)	7.79	11.0	-3.21
	5510	102	ax (40MHz)	52	37	25/29.4 (MCS11)	7.52	11.0	-3.48
				52	40	25/29.4 (MCS11)	7.19	11.0	-3.81
				52	44	25/29.4 (MCS11)	6.62	11.0	-4.38
	5550	110	ax (40MHz)	52	37	25/29.4 (MCS11)	7.47	11.0	-3.53
				52	40	25/29.4 (MCS11)	7.02	11.0	-3.98
				52	44	25/29.4 (MCS11)	7.02	11.0	-3.98
	*5590	118	ax (40MHz)	52	37	25/29.4 (MCS11)	6.86	11.0	-4.14
				52	40	25/29.4 (MCS11)	7.36	11.0	-3.64
				52	44	25/29.4 (MCS11)	7.03	11.0	-3.97
	5670	134	ax (40MHz)	52	37	25/29.4 (MCS11)	6.51	11.0	-4.49
				52	40	25/29.4 (MCS11)	7.31	11.0	-3.69
				52	44	25/29.4 (MCS11)	7.40	11.0	-3.60
	5710	142	ax (40MHz)	52	37	25/29.4 (MCS11)	7.05	11.0	-3.95
				52	40	25/29.4 (MCS11)	7.25	11.0	-3.75
				52	44	25/29.4 (MCS11)	7.09	11.0	-3.91
	5530	106	ax (80MHz)	52	37	25/29.4 (MCS11)	6.00	11.0	-5.00
				52	44	25/29.4 (MCS11)	5.77	11.0	-5.23
				52	52	25/29.4 (MCS11)	5.65	11.0	-5.35
	*5610	122	ax (80MHz)	52	37	25/29.4 (MCS11)	7.26	11.0	-3.75
				52	44	25/29.4 (MCS11)	7.37	11.0	-3.63
				52	52	25/29.4 (MCS11)	7.86	11.0	-3.14
	5690	138	ax (80MHz)	52	37	25/29.4 (MCS11)	6.98	11.0	-4.02
				52	44	25/29.4 (MCS11)	7.33	11.0	-3.67
				52	52	25/29.4 (MCS11)	7.37	11.0	-3.63

Table 7-152. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 1b (RU52)

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

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 111 of 279 V 10.6 10/27/2023

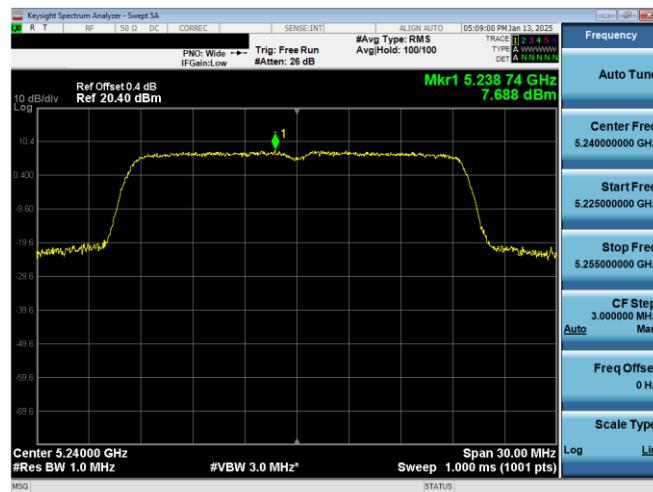
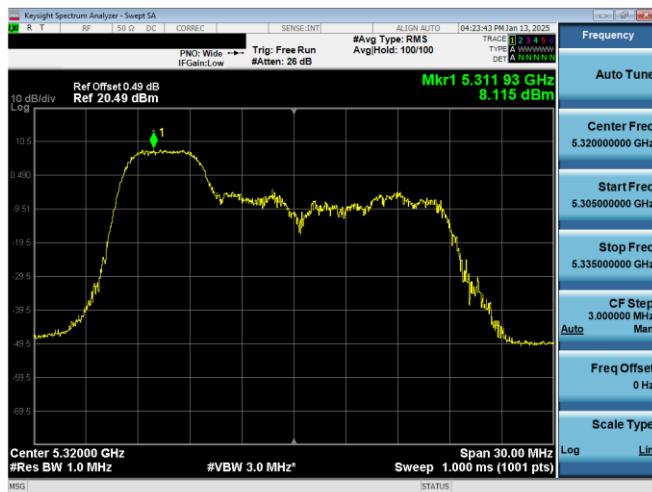
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	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	242	61	121.9/143.4 (MCS11)	3.97	11.0	-7.03
	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	7.52	11.0	-3.48
	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	7.69	11.0	-3.31
	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-1.03	11.0	-12.03
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	4.52	11.0	-6.49
	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-3.34	11.0	-14.34
Band 2A	5260	52	ax (20MHz)	242	61	121.9/143.4 (MCS11)	7.52	11.0	-3.48
	5280	60	ax (20MHz)	242	61	121.9/143.4 (MCS11)	7.45	11.0	-3.55
	5320	64	ax (20MHz)	242	61	121.9/143.4 (MCS11)	3.75	11.0	-7.25
	5270	54	ax (40MHz)	484	65	243.8/286.8 (MCS11)	4.89	11.0	-6.11
	5310	62	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-2.15	11.0	-13.15
	5290	58	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-5.83	11.0	-16.83
Band 2C	5500	100	ax (20MHz)	242	61	121.9/143.4 (MCS11)	1.89	11.0	-9.11
	5580	116	ax (20MHz)	242	61	121.9/143.4 (MCS11)	7.19	11.0	-3.81
	5720	144	ax (20MHz)	242	61	121.9/143.4 (MCS11)	7.60	11.0	-3.40
	5510	102	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-1.89	11.0	-12.89
	5550	110	ax (40MHz)	484	65	243.8/286.8 (MCS11)	2.95	11.0	-8.05
	*5590	118	ax (40MHz)	484	65	243.8/286.8 (MCS11)	4.31	11.0	-6.69
	5710	142	ax (40MHz)	484	65	243.8/286.8 (MCS11)	4.82	11.0	-6.19
	5530	106	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-5.43	11.0	-16.43
	*5610	122	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-2.06	11.0	-13.06
	5690	138	ax (80MHz)	996	67	510.4/600.5 (MCS11)	2.57	11.0	-8.43

Table 7-153. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna 1b (Fully-loaded RU)

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

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 112 of 279



FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device

V 10.6 10/27/2023

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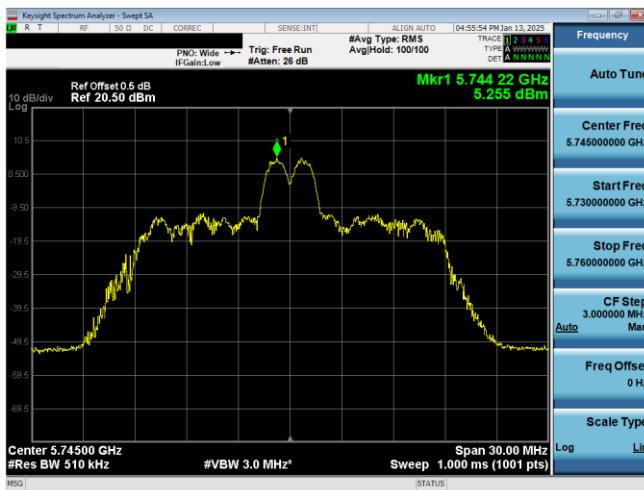
	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	26	0	12.5/14.7 (MCS11)	4.85	30.0	-25.15
				26	4	12.5/14.7 (MCS11)	5.26	30.0	-24.75
				26	8	12.5/14.7 (MCS11)	5.08	30.0	-24.92
	5785	157	ax (20MHz)	26	0	12.5/14.7 (MCS11)	4.84	30.0	-25.16
				26	4	12.5/14.7 (MCS11)	4.68	30.0	-25.32
				26	8	12.5/14.7 (MCS11)	5.17	30.0	-24.83
	5825	165	ax (20MHz)	26	0	12.5/14.7 (MCS11)	4.53	30.0	-25.47
				26	4	12.5/14.7 (MCS11)	4.63	30.0	-25.37
				26	8	12.5/14.7 (MCS11)	4.94	30.0	-25.06
	5755	151	ax (40MHz)	26	0	12.5/14.7 (MCS11)	4.34	30.0	-25.66
				26	8	12.5/14.7 (MCS11)	5.07	30.0	-24.93
				26	17	12.5/14.7 (MCS11)	4.65	30.0	-25.36
	5795	159	ax (40MHz)	26	0	12.5/14.7 (MCS11)	4.49	30.0	-25.51
				26	8	12.5/14.7 (MCS11)	4.63	30.0	-25.37
				26	17	12.5/14.7 (MCS11)	3.86	30.0	-26.14
	5775	155	ax (80MHz)	26	0	12.5/14.7 (MCS11)	4.60	30.0	-25.40
				26	18	12.5/14.7 (MCS11)	4.67	30.0	-25.33
				26	36	12.5/14.7 (MCS11)	5.09	30.0	-24.91

Table 7-154. Band 3 Power Spectral Density Measurements Antenna 1b (RU26)

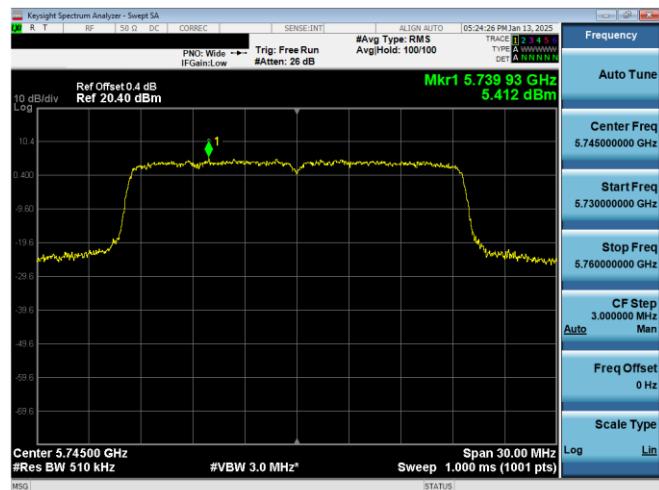
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	242	61	121.9/143.4 (MCS11)	5.41	30.0	-24.59
	5785	157	ax (20MHz)	242	61	121.9/143.4 (MCS11)	5.34	30.0	-24.66
	5825	165	ax (20MHz)	242	61	121.9/143.4 (MCS11)	5.38	30.0	-24.62
	5755	151	ax (40MHz)	484	65	243.8/286.8 (MCS11)	2.21	30.0	-27.79
	5795	159	ax (40MHz)	484	65	243.8/286.8 (MCS11)	1.44	30.0	-28.56
	5775	155	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-3.40	30.0	-33.40

Table 7-155. Band 3 Power Spectral Density Measurements Antenna 1b (Fully-loaded RU)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 114 of 279



Plot 7-27. PSD Antenna 1b (20MHz BW 11ax Index 4 – RU26 – Ch.149)



Plot 7-28. PSD Antenna 1b (20MHz BW 11ax – RU242 – Ch.149)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 115 of 279

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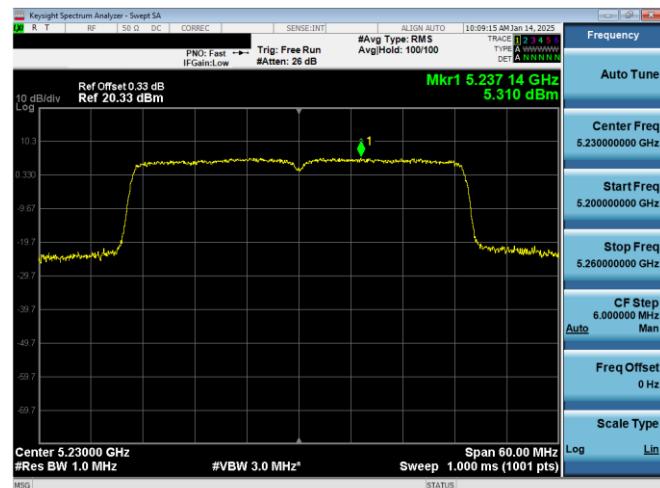
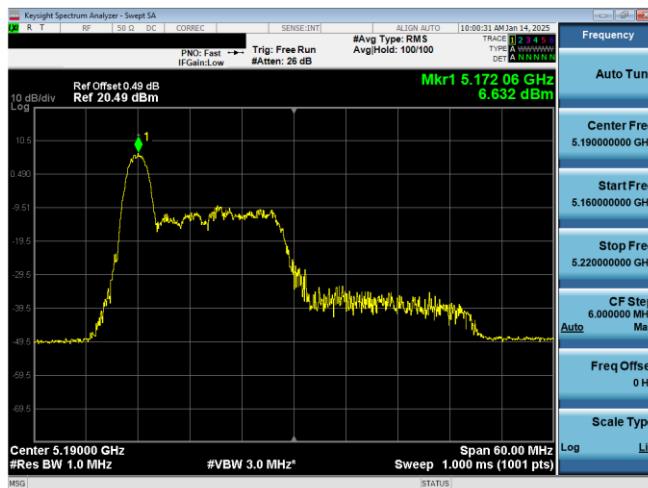
	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.48	-1.60	3.88	10.0	-6.12
				26	4	12.5/14.7 (MCS11)	4.48	-1.60	2.88	10.0	-7.12
				26	8	12.5/14.7 (MCS11)	5.59	-1.60	3.99	10.0	-6.01
	5200	40	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.79	-1.60	4.19	10.0	-5.81
				26	4	12.5/14.7 (MCS11)	5.12	-1.60	3.52	10.0	-6.48
				26	8	12.5/14.7 (MCS11)	5.13	-1.60	3.53	10.0	-6.47
	5240	48	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.57	-1.60	3.97	10.0	-6.03
				26	4	12.5/14.7 (MCS11)	4.39	-1.60	2.79	10.0	-7.21
				26	8	12.5/14.7 (MCS11)	5.25	-1.60	3.65	10.0	-6.35
	5190	38	ax (40MHz)	26	0	12.5/14.7 (MCS11)	6.63	-1.60	5.03	10.0	-4.97
				26	8	12.5/14.7 (MCS11)	6.52	-1.60	4.92	10.0	-5.08
				26	17	12.5/14.7 (MCS11)	5.96	-1.60	4.36	10.0	-5.64
	5230	46	ax (40MHz)	26	0	12.5/14.7 (MCS11)	5.97	-1.60	4.37	10.0	-5.63
				26	8	12.5/14.7 (MCS11)	5.78	-1.60	4.18	10.0	-5.82
				26	17	12.5/14.7 (MCS11)	6.25	-1.60	4.65	10.0	-5.35
	5210	42	ax (80MHz)	26	0	12.5/14.7 (MCS11)	5.71	-1.60	4.11	10.0	-5.89
				26	18	12.5/14.7 (MCS11)	5.46	-1.60	3.86	10.0	-6.14
				26	36	12.5/14.7 (MCS11)	6.13	-1.60	4.53	10.0	-5.47

Table 7-156. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 1b (RU26)

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	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	ax (20MHz)	242	61	121.9/143.4 (MCS11)	4.77	-1.60	3.17	10.0	-6.83
	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	5.22	-1.60	3.62	10.0	-6.38
	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	4.93	-1.60	3.33	10.0	-6.67
	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	0.03	-1.60	-1.57	10.0	-11.57
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	5.31	-1.60	3.71	10.0	-6.29
	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-2.07	-1.60	-3.67	10.0	-13.67

Table 7-157. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna 1b (Fully-loaded RU)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)					Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device					Page 116 of 279



FCC ID: BCGA3355 IC: 579C-A3355	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025 EUT Type: Tablet Device	Page 117 of 279

7.5.4 Summed CDD/SDM Primary Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	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	ax (20MHz)	26	0	25/29.4 (MCS11)	6.64	6.16	9.42	11.0	-1.58
				26	4	25/29.4 (MCS11)	5.79	5.61	8.71	11.0	-2.29
				26	8	25/29.4 (MCS11)	6.81	6.31	9.58	11.0	-1.42
	5200	40	ax (20MHz)	26	0	25/29.4 (MCS11)	6.50	6.63	9.58	11.0	-1.42
				26	4	25/29.4 (MCS11)	5.67	5.11	8.41	11.0	-2.59
				26	8	25/29.4 (MCS11)	6.80	6.78	9.80	11.0	-1.20
	5240	48	ax (20MHz)	26	0	25/29.4 (MCS11)	6.28	5.74	9.03	11.0	-1.97
				26	4	25/29.4 (MCS11)	5.37	4.92	8.16	11.0	-2.84
				26	8	25/29.4 (MCS11)	6.05	6.33	9.20	11.0	-1.80
	5190	38	ax (40MHz)	26	0	25/29.4 (MCS11)	6.59	6.33	9.48	11.0	-1.52
				26	8	25/29.4 (MCS11)	7.95	7.04	10.53	11.0	-0.47
				26	17	25/29.4 (MCS11)	7.04	7.50	10.28	11.0	-0.72
	5230	46	ax (40MHz)	26	0	25/29.4 (MCS11)	6.80	6.88	9.85	11.0	-1.15
				26	8	25/29.4 (MCS11)	7.06	6.79	9.94	11.0	-1.06
				26	17	25/29.4 (MCS11)	6.98	6.94	9.97	11.0	-1.03
	5210	42	ax (80MHz)	26	0	25/29.4 (MCS11)	6.66	6.34	9.51	11.0	-1.49
				26	18	25/29.4 (MCS11)	5.64	5.80	8.73	11.0	-2.27
				26	36	25/29.4 (MCS11)	7.00	6.98	10.00	11.0	-1.00

Table 7-158. Bands 1 Power Spectral Density Measurements CDD Primary (RU26)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 118 of 279

	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	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 2A	5260	52	ax (20MHz)	52	37	50/58.8 (MCS11)	6.60	6.77	9.70	11.0	-1.30
				52	38	50/58.8 (MCS11)	6.87	6.10	9.52	11.0	-1.48
				52	40	50/58.8 (MCS11)	6.78	6.33	9.57	11.0	-1.43
	5280	60	ax (20MHz)	52	37	50/58.8 (MCS11)	6.54	6.40	9.48	11.0	-1.52
				52	38	50/58.8 (MCS11)	7.14	6.41	9.80	11.0	-1.20
				52	40	50/58.8 (MCS11)	6.64	6.38	9.52	11.0	-1.48
	5320	64	ax (20MHz)	52	37	50/58.8 (MCS11)	6.94	6.26	9.63	11.0	-1.37
				52	38	50/58.8 (MCS11)	6.94	6.60	9.79	11.0	-1.21
				52	40	50/58.8 (MCS11)	6.75	6.89	9.83	11.0	-1.17
	5270	54	ax (40MHz)	52	37	50/58.8 (MCS11)	7.27	6.93	10.11	11.0	-0.89
				52	40	50/58.8 (MCS11)	7.31	7.14	10.24	11.0	-0.76
				52	44	50/58.8 (MCS11)	6.72	7.18	9.97	11.0	-1.03
	5310	62	ax (40MHz)	52	37	50/58.8 (MCS11)	7.46	6.41	9.98	11.0	-1.02
				52	40	50/58.8 (MCS11)	6.29	6.63	9.47	11.0	-1.53
				52	44	50/58.8 (MCS11)	6.47	6.37	9.43	11.0	-1.57
	5290	58	ax (80MHz)	52	37	50/58.8 (MCS11)	5.70	5.65	8.68	11.0	-2.32
				52	44	50/58.8 (MCS11)	5.36	5.10	8.24	11.0	-2.76
				52	52	50/58.8 (MCS11)	5.25	5.03	8.15	11.0	-2.85
Band 2C	5500	100	ax (20MHz)	52	37	50/58.8 (MCS11)	6.53	6.57	9.56	11.0	-1.44
				52	38	50/58.8 (MCS11)	6.87	6.64	9.77	11.0	-1.23
				52	40	50/58.8 (MCS11)	6.16	6.76	9.48	11.0	-1.52
	5580	116	ax (20MHz)	52	37	50/58.8 (MCS11)	6.56	6.47	9.53	11.0	-1.47
				52	38	50/58.8 (MCS11)	6.57	6.03	9.32	11.0	-1.68
				52	40	50/58.8 (MCS11)	6.78	6.56	9.68	11.0	-1.32
	5720	144	ax (20MHz)	52	37	50/58.8 (MCS11)	7.10	6.66	9.89	11.0	-1.11
				52	38	50/58.8 (MCS11)	6.88	6.50	9.70	11.0	-1.30
				52	40	50/58.8 (MCS11)	6.86	6.40	9.65	11.0	-1.35
	5510	102	ax (40MHz)	52	37	50/58.8 (MCS11)	6.67	6.97	9.83	11.0	-1.17
				52	40	50/58.8 (MCS11)	6.69	6.83	9.77	11.0	-1.23
				52	44	50/58.8 (MCS11)	6.61	6.76	9.69	11.0	-1.31
	5550	110	ax (40MHz)	52	37	50/58.8 (MCS11)	7.00	6.70	9.87	11.0	-1.13
				52	40	50/58.8 (MCS11)	7.27	6.65	9.98	11.0	-1.02
				52	44	50/58.8 (MCS11)	6.77	6.69	9.74	11.0	-1.26
	*5590	118	ax (40MHz)	52	37	50/58.8 (MCS11)	6.90	6.43	9.68	11.0	-1.32
				52	40	50/58.8 (MCS11)	7.19	6.57	9.90	11.0	-1.10
				52	44	50/58.8 (MCS11)	6.36	6.51	9.45	11.0	-1.55
	5670	134	ax (40MHz)	52	37	50/58.8 (MCS11)	6.78	6.47	9.64	11.0	-1.36
				52	40	50/58.8 (MCS11)	7.63	6.51	10.12	11.0	-0.88
				52	44	50/58.8 (MCS11)	7.03	7.01	10.03	11.0	-0.97
	5710	142	ax (40MHz)	52	37	50/58.8 (MCS11)	7.01	6.34	9.70	11.0	-1.30
				52	40	50/58.8 (MCS11)	7.08	7.05	10.07	11.0	-0.93
				52	44	50/58.8 (MCS11)	6.81	6.67	9.75	11.0	-1.25
	5530	106	ax (80MHz)	52	37	50/58.8 (MCS11)	6.23	6.05	9.15	11.0	-1.85
				52	44	50/58.8 (MCS11)	5.51	5.50	8.52	11.0	-2.48
				52	52	50/58.8 (MCS11)	5.40	5.58	8.50	11.0	-2.50
	*5610	122	ax (80MHz)	52	37	50/58.8 (MCS11)	6.80	6.31	9.57	11.0	-1.43
				52	44	50/58.8 (MCS11)	6.32	6.53	9.44	11.0	-1.56
				52	52	50/58.8 (MCS11)	6.90	6.43	9.68	11.0	-1.32
	5690	138	ax (80MHz)	52	37	50/58.8 (MCS11)	6.73	6.46	9.61	11.0	-1.39
				52	44	50/58.8 (MCS11)	6.82	6.60	9.72	11.0	-1.28
				52	52	50/58.8 (MCS11)	7.41	6.18	9.85	11.0	-1.15

Table 7-159. Bands 1, 2A, 2C Power Spectral Density Measurements CDD Primary (RU52)

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

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 119 of 279 V 10.6 10/27/2023

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	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	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	ax (20MHz)	242	61	243.8/286.8 (MCS11)	4.73	4.57	7.66	11.0	-3.34
	5200	40	ax (20MHz)	242	61	243.8/286.8 (MCS11)	6.09	5.96	9.03	11.0	-1.97
	5240	48	ax (20MHz)	242	61	243.8/286.8 (MCS11)	5.43	5.50	8.48	11.0	-2.52
	5190	38	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-0.53	-0.56	2.46	11.0	-8.54
	5230	46	ax (40MHz)	484	65	487.5/573.5 (MCS11)	5.73	5.15	8.46	11.0	-2.54
Band 2A	5210	42	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-3.67	-4.16	-0.90	11.0	-11.90
	5260	52	ax (20MHz)	242	61	243.8/286.8 (MCS11)	5.74	5.40	8.58	11.0	-2.42
	5280	60	ax (20MHz)	242	61	243.8/286.8 (MCS11)	5.69	5.65	8.68	11.0	-2.32
	5320	64	ax (20MHz)	242	61	243.8/286.8 (MCS11)	4.38	4.18	7.29	11.0	-3.71
	5270	54	ax (40MHz)	484	65	487.5/573.5 (MCS11)	5.67	5.88	8.79	11.0	-2.21
Band 2C	5310	62	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-2.13	-2.32	0.79	11.0	-10.21
	5290	58	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-5.98	-5.73	-2.84	11.0	-13.84
	5500	100	ax (20MHz)	242	61	243.8/286.8 (MCS11)	2.87	2.63	5.76	11.0	-5.24
	5580	116	ax (20MHz)	242	61	243.8/286.8 (MCS11)	5.92	5.58	8.76	11.0	-2.24
	5720	144	ax (20MHz)	242	61	243.8/286.8 (MCS11)	5.78	5.45	8.63	11.0	-2.37
Band 2C	5510	102	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-1.86	-1.98	1.10	11.0	-9.90
	5550	110	ax (40MHz)	484	65	487.5/573.5 (MCS11)	2.64	2.82	5.74	11.0	-5.26
	*5590	118	ax (40MHz)	484	65	487.5/573.5 (MCS11)	5.78	5.81	8.80	11.0	-2.20
	5710	142	ax (40MHz)	484	65	487.5/573.5 (MCS11)	6.31	5.63	9.00	11.0	-2.00
	5530	106	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-5.09	-5.54	-2.29	11.0	-13.29
*5610	122	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-2.28	-2.08	0.83	11.0	-10.17	
	5690	138	ax (80MHz)	996	67	1020.8/1201 (MCS11)	3.87	3.67	6.78	11.0	-4.22

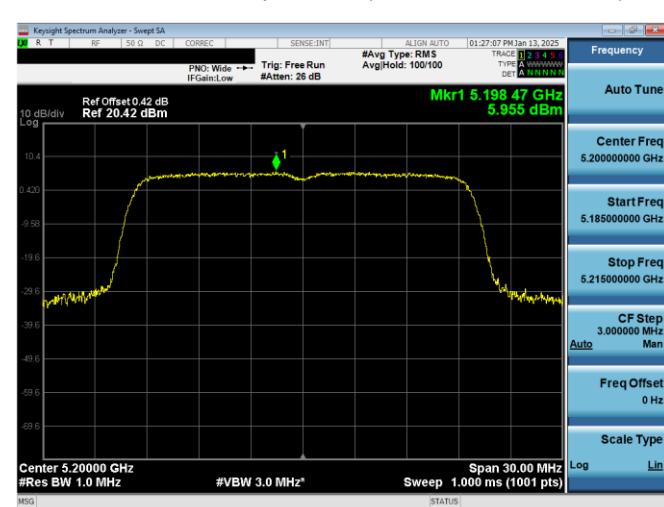
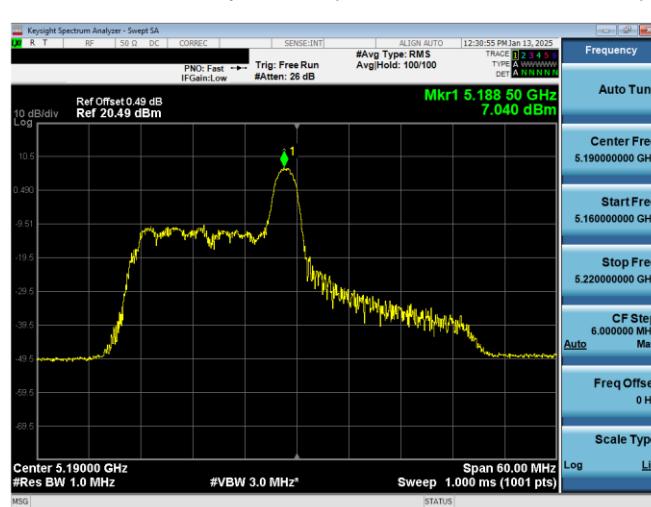
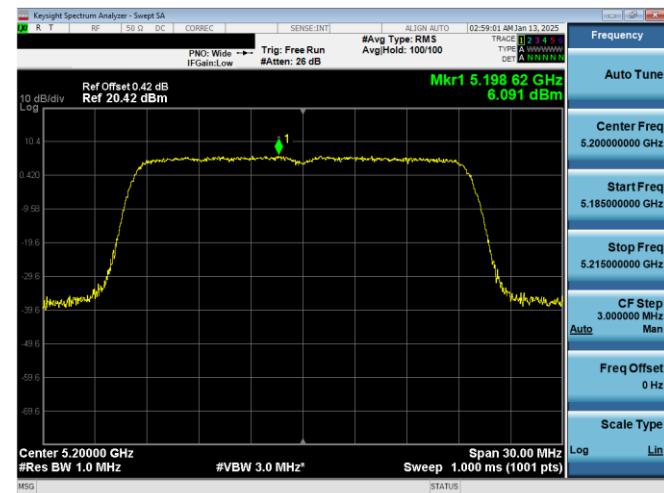
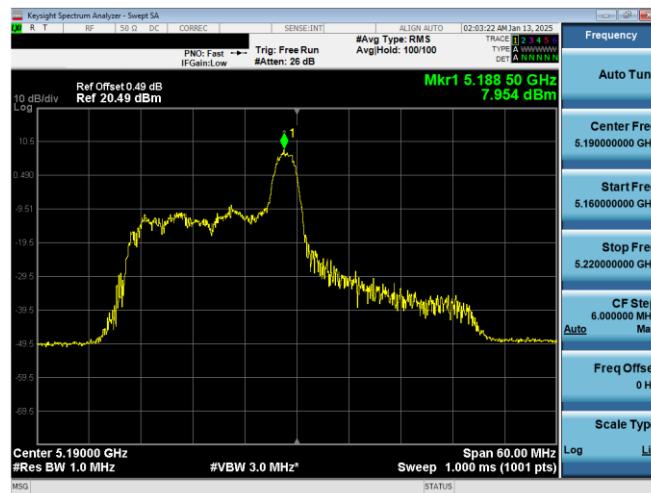
Table 7-160. Bands 1, 2A, 2C Power Spectral Density Measurements CDD Primary (Fully-loaded RU)

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

FCC ID: BCGA3355	 element	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device				

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FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 121 of 279

	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Antenna 3c Power Density [dBm/500kHz]	Antenna 3a Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	26	0	25/29.4 (MCS11)	6.17	6.47	9.34	30.0	-20.66
				26	4	25/29.4 (MCS11)	5.88	6.25	9.08	30.0	-20.92
				26	8	25/29.4 (MCS11)	6.28	5.51	8.92	30.0	-21.08
	5785	157	ax (20MHz)	26	0	25/29.4 (MCS11)	5.61	5.72	8.68	30.0	-21.32
				26	4	25/29.4 (MCS11)	5.97	6.03	9.01	30.0	-20.99
				26	8	25/29.4 (MCS11)	5.98	6.36	9.18	30.0	-20.82
	5825	165	ax (20MHz)	26	0	25/29.4 (MCS11)	5.77	5.44	8.62	30.0	-21.38
				26	4	25/29.4 (MCS11)	5.80	5.74	8.78	30.0	-21.22
				26	8	25/29.4 (MCS11)	6.58	5.99	9.30	30.0	-20.70
	5755	151	ax (40MHz)	26	0	25/29.4 (MCS11)	5.65	5.55	8.61	30.0	-21.39
				26	8	25/29.4 (MCS11)	6.22	5.53	8.90	30.0	-21.10
				26	17	25/29.4 (MCS11)	5.55	5.57	8.57	30.0	-21.43
	5795	159	ax (40MHz)	26	0	25/29.4 (MCS11)	5.63	5.17	8.41	30.0	-21.59
				26	8	25/29.4 (MCS11)	5.70	5.09	8.41	30.0	-21.59
				26	17	25/29.4 (MCS11)	5.47	5.12	8.31	30.0	-21.69
	5775	155	ax (80MHz)	26	0	25/29.4 (MCS11)	7.42	6.91	10.19	30.0	-19.81
				26	18	25/29.4 (MCS11)	5.90	5.72	8.82	30.0	-21.18
				26	36	25/29.4 (MCS11)	5.98	5.51	8.76	30.0	-21.24

Table 7-161. Band 3 Power Spectral Density Measurements CDD Primary (RU26)

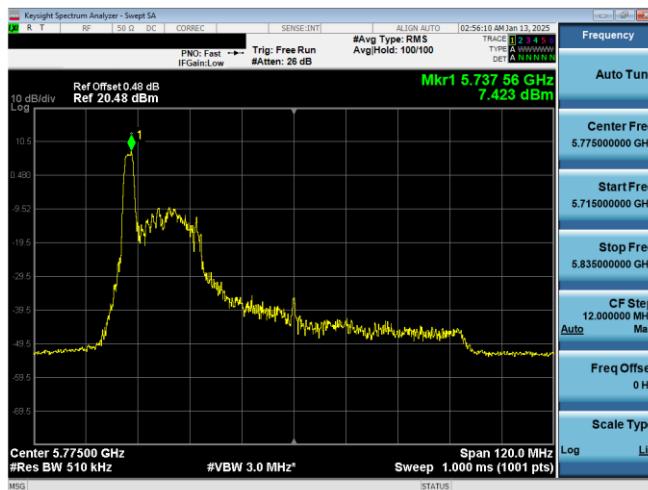
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Antenna 3c Power Density [dBm/500kHz]	Antenna 3a Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	242	61	243.8/286.8 (MCS11)	6.58	6.51	9.55	30.0	-20.45
	5785	157	ax (20MHz)	242	61	243.8/286.8 (MCS11)	6.77	5.96	9.39	30.0	-20.61
	5825	165	ax (20MHz)	242	61	243.8/286.8 (MCS11)	6.94	6.49	9.73	30.0	-20.27
	5755	151	ax (40MHz)	484	65	487.5/573.5 (MCS11)	2.56	1.77	5.19	30.0	-24.81
	5795	159	ax (40MHz)	484	65	487.5/573.5 (MCS11)	3.45	2.98	6.23	30.0	-23.77
	5775	155	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-2.76	-3.97	-0.31	30.0	-30.31

Table 7-162. Band 3 Power Spectral Density Measurements CDD Primary (Fully-loaded RU)

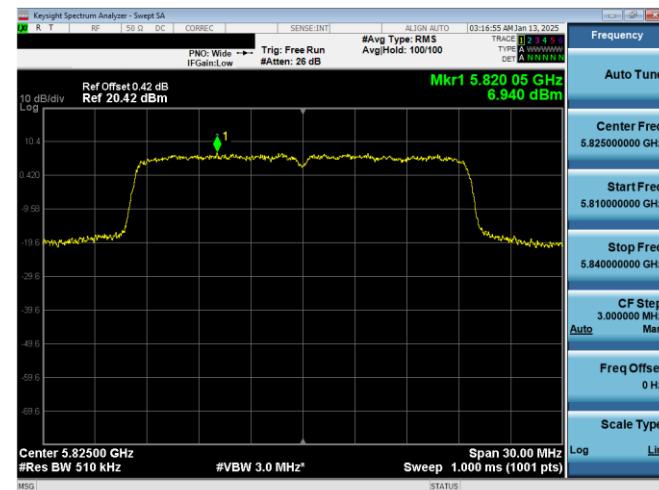
FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)					Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device					

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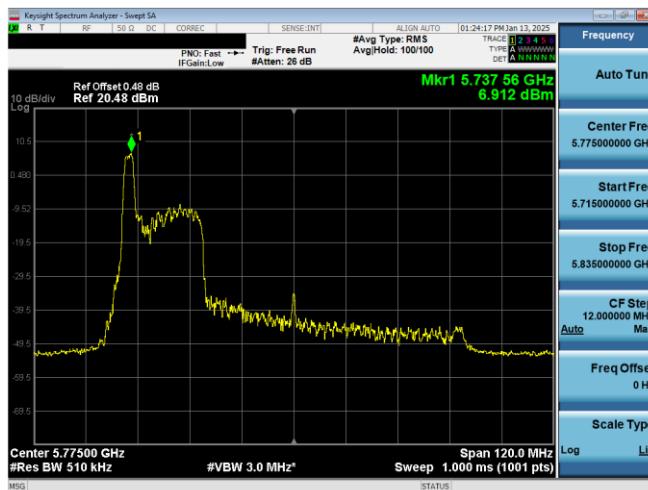
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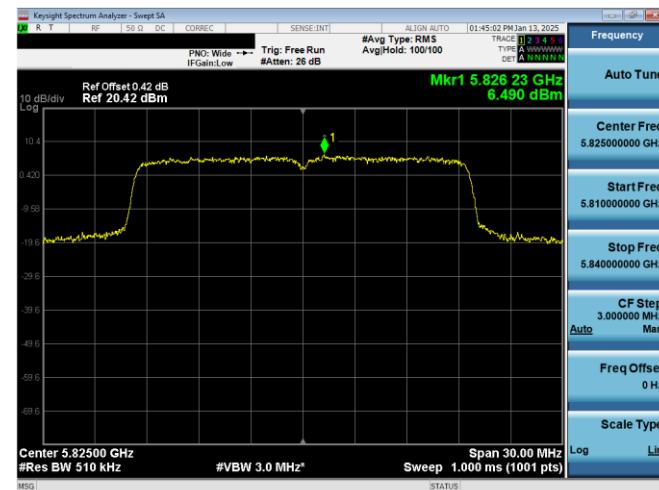
Plot 7-35. PSD CDD Primary Antenna 3c (80MHz BW 11ax Index 08 – RU26 – Ch.155)



Plot 7-37. PSD CDD Primary Antenna 3c (20MHz BW 11ax– RU242 – Ch.165)



Plot 7-36. PSD CDD Primary Antenna 3a (80MHz BW 11ax Index 0 – RU26 – Ch.155)



Plot 7-38. PSD CDD Primary Antenna 3a (20MHz BW 11ax– RU242 – Ch.165)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 123 of 279

	Frequency [MHz]	Channel No.	802.11 MODE	Mode	RU Size	RU Index	Data Rate [Mbps]	Antenna 3c Power Density [dBm/MHz]	Antenna 3a Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directional 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	ax (20MHz)	SDM	26	0	25/29.4 (MCS11)	3.42	3.47	6.45	1.26	7.72	10.0	-2.28
					26	4	25/29.4 (MCS11)	2.86	3.25	6.07	1.26	7.33	10.0	-2.67
					26	8	25/29.4 (MCS11)	3.89	4.33	7.12	1.26	8.39	10.0	-1.61
	5200	40	ax (20MHz)	SDM	26	0	25/29.4 (MCS11)	3.79	3.94	6.88	1.26	8.14	10.0	-1.86
					26	4	25/29.4 (MCS11)	2.58	2.44	5.52	1.26	6.78	10.0	-3.22
					26	8	25/29.4 (MCS11)	3.71	3.76	6.75	1.26	8.01	10.0	-1.99
	5240	48	ax (20MHz)	SDM	26	0	25/29.4 (MCS11)	3.98	3.86	6.93	1.26	8.20	10.0	-1.80
					26	4	25/29.4 (MCS11)	2.93	2.24	5.61	1.26	6.87	10.0	-3.13
					26	8	25/29.4 (MCS11)	3.88	3.44	6.68	1.26	7.94	10.0	-2.06
	5190	38	ax (40MHz)	SDM	26	0	25/29.4 (MCS11)	4.16	4.10	7.14	1.26	8.40	10.0	-1.60
					26	8	25/29.4 (MCS11)	4.49	3.91	7.22	1.26	8.48	10.0	-1.52
					26	17	25/29.4 (MCS11)	4.23	4.51	7.38	1.26	8.64	10.0	-1.36
	5230	46	ax (40MHz)	SDM	26	0	25/29.4 (MCS11)	4.86	4.19	7.54	1.26	8.81	10.0	-1.19
					26	8	25/29.4 (MCS11)	4.45	4.56	7.52	1.26	8.78	10.0	-1.22
					26	17	25/29.4 (MCS11)	4.63	4.42	7.54	1.26	8.80	10.0	-1.20
	5210	42	ax (80MHz)	SDM	26	0	25/29.4 (MCS11)	4.22	3.96	7.10	1.26	8.36	10.0	-1.64
					26	18	25/29.4 (MCS11)	3.24	2.60	5.94	1.26	7.21	10.0	-2.79
					26	36	25/29.4 (MCS11)	4.20	3.92	7.07	1.26	8.33	10.0	-1.67

Table 7-163. ISED Band 1 e.i.r.p. Power Spectral Density Measurements SDM Primary (RU26)

	Frequency [MHz]	Channel	802.11 MODE	Mode	RU Size	RU Index	Data Rate [Mbps]	Antenna 3c Power Density [dBm/MHz]	Antenna 3a Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directional 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	ax (20MHz)	SDM	242	61	243.8/286.8 (MCS11)	3.18	3.02	6.11	1.26	7.37	10.0	-2.63
	5200	40	ax (20MHz)		242	61	243.8/286.8 (MCS11)	3.38	2.85	6.13	1.26	7.40	10.0	-2.60
	5240	48	ax (20MHz)		242	61	243.8/286.8 (MCS11)	3.17	2.91	6.05	1.26	7.32	10.0	-2.68
	5190	38	ax (40MHz)		484	65	487.5/573.5 (MCS11)	-1.21	-1.04	1.89	4.19	6.08	10.0	-3.92
	5230	46	ax (40MHz)		484	65	487.5/573.5 (MCS11)	3.99	3.70	6.86	1.26	8.12	10.0	-1.88
	5210	42	ax (80MHz)		996	67	1020.8/1201 (MCS11)	-4.83	-4.26	-1.53	4.19	2.67	10.0	-7.33

Table 7-164. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM Primary (Fully-loaded RU)

FCC ID: BCGA3355 IC: 579C-A3355	 element	MEASUREMENT REPORT (CERTIFICATION)						Approved by: Technical Manager
Test Report S/N: 1C2410210077-21-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device						

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