

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF5b	Antenna WF4a	Summed		
5GHz (80MHz Bandwidth)	5290	58	SDM	AVG	52	37	50/58.8 (MCS11)	11.86	11.85	14.87	23.97	-9.10
			SDM	AVG	52	44	50/58.8 (MCS11)	11.79	11.91	14.86	23.97	-9.11
			SDM	AVG	52	52	50/58.8 (MCS11)	11.82	11.89	14.87	23.97	-9.10
	5530	106	CDD	AVG	52	37	50/58.8 (MCS11)	10.70	10.60	13.66	23.83	-10.17
			CDD	AVG	52	44	50/58.8 (MCS11)	10.83	10.81	13.83	23.83	-10.00
			CDD	AVG	52	52	50/58.8 (MCS11)	10.74	10.63	13.70	23.83	-10.13
	5610	122	CDD	AVG	52	37	50/58.8 (MCS11)	11.65	11.69	14.68	23.83	-9.15
			CDD	AVG	52	44	50/58.8 (MCS11)	11.85	11.78	14.83	23.83	-9.00
			CDD	AVG	52	52	50/58.8 (MCS11)	11.69	11.54	14.63	23.83	-9.20
	5690	138	CDD	AVG	52	37	50/58.8 (MCS11)	11.66	11.61	14.65	23.83	-9.18
			CDD	AVG	52	44	50/58.8 (MCS11)	11.85	11.94	14.91	23.83	-8.92
			CDD	AVG	52	52	50/58.8 (MCS11)	11.50	11.75	14.64	23.83	-9.19

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

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF5b	Antenna WF4a	Summed		
5GHz (160MHz Bandwidth)	5250	50 (L)	CDD	AVG	52	37	50/58.8 (MCS11)	7.45	7.39	10.43	23.98	-13.55
			CDD	AVG	52	52	50/58.8 (MCS11)	7.38	7.39	10.39	23.98	-13.59
		50 (U)	CDD	AVG	52	52	50/58.8 (MCS11)	7.37	7.32	10.35	23.98	-13.63
	5570	114 (L)	CDD	AVG	52	37	50/58.8 (MCS11)	6.40	6.37	9.39	23.83	-14.44
			CDD	AVG	52	52	50/58.8 (MCS11)	6.43	6.35	9.40	23.83	-14.43
		114 (U)	CDD	AVG	52	52	50/58.8 (MCS11)	6.29	6.27	9.29	23.83	-14.54

Table 7-81. FCC CDD 160MHz BW (UNII) Maximum Conducted Output Power (RU52)

FCC ID: BCGA2435 IC: 579C-A2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 72 of 289

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ISED CDD/SDM Conducted Output Power Measurements (RU52)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	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 WF5b	Antenna WF4a	Summed						
5260	52		SDM	AVG	52	37	50/58.8 (MCS11)	11.76	11.65	14.72	23.97	-9.25	3.22	17.94	29.97	-12.03
			SDM	AVG	52	39	50/58.8 (MCS11)	11.91	11.92	14.93	23.97	-9.04	3.22	18.15	29.97	-11.82
			SDM	AVG	52	40	50/58.8 (MCS11)	11.75	11.74	14.76	23.97	-9.21	3.22	17.98	29.97	-11.99
5300	60		SDM	AVG	52	37	50/58.8 (MCS11)	11.95	11.76	14.87	23.97	-9.10	3.22	18.09	29.97	-11.88
			SDM	AVG	52	39	50/58.8 (MCS11)	11.98	11.96	14.98	23.97	-8.99	3.22	18.20	29.97	-11.77
			SDM	AVG	52	40	50/58.8 (MCS11)	11.70	11.88	14.80	23.97	-9.17	3.22	18.02	29.97	-11.95
5320	64		SDM	AVG	52	37	50/58.8 (MCS11)	11.93	11.66	14.81	23.97	-9.16	3.22	18.03	29.97	-11.94
			SDM	AVG	52	39	50/58.8 (MCS11)	11.99	11.83	14.92	23.97	-9.05	3.22	18.14	29.97	-11.83
			SDM	AVG	52	40	50/58.8 (MCS11)	11.95	11.67	14.82	23.97	-9.15	3.22	18.04	29.97	-11.93
5500	100		CDD	AVG	52	37	50/58.8 (MCS11)	11.79	11.86	14.84	23.83	-8.99	5.22	20.06	29.83	-9.77
			CDD	AVG	52	39	50/58.8 (MCS11)	11.91	11.82	14.88	23.83	-8.95	5.22	20.10	29.83	-9.73
			CDD	AVG	52	40	50/58.8 (MCS11)	11.79	11.76	14.79	23.83	-9.04	5.22	20.01	29.83	-9.82
5580	116		CDD	AVG	52	37	50/58.8 (MCS11)	11.88	11.73	14.82	23.83	-9.01	5.22	20.04	29.83	-9.79
			CDD	AVG	52	39	50/58.8 (MCS11)	11.91	11.81	14.87	23.83	-8.96	5.22	20.09	29.83	-9.74
			CDD	AVG	52	40	50/58.8 (MCS11)	11.83	11.83	14.84	23.83	-8.99	5.22	20.06	29.83	-9.77
5680	136		CDD	AVG	52	37	50/58.8 (MCS11)	11.93	11.78	14.87	23.83	-8.96	5.22	20.09	29.83	-9.74
			CDD	AVG	52	39	50/58.8 (MCS11)	11.85	11.91	14.89	23.83	-8.94	5.22	20.11	29.83	-9.72
			CDD	AVG	52	40	50/58.8 (MCS11)	11.89	11.75	14.83	23.83	-9.00	5.22	20.05	29.83	-9.78
5700	140		CDD	AVG	52	37	50/58.8 (MCS11)	8.23	8.27	11.26	23.83	-12.57	5.22	16.48	29.83	-13.35
			CDD	AVG	52	39	50/58.8 (MCS11)	8.39	8.43	11.42	23.83	-12.41	5.22	16.64	29.83	-13.19
			CDD	AVG	52	40	50/58.8 (MCS11)	8.33	8.24	11.30	23.83	-12.53	5.22	16.52	29.83	-13.31
5720	144		CDD	AVG	52	37	50/58.8 (MCS11)	11.78	11.68	14.74	23.83	-9.09	5.22	19.96	29.83	-9.87
			CDD	AVG	52	39	50/58.8 (MCS11)	11.94	11.86	14.91	23.83	-8.92	5.22	20.13	29.83	-9.70
			CDD	AVG	52	40	50/58.8 (MCS11)	11.77	11.95	14.87	23.83	-8.96	5.22	20.09	29.83	-9.74

Table 7-82. ISED CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU52)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	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 WF5b	Antenna WF4a	Summed						
5270	54		SDM	AVG	52	37	50/58.8 (MCS11)	11.77	11.81	14.80	23.97	-9.17	3.22	18.02	29.97	-11.95
			SDM	AVG	52	40	50/58.8 (MCS11)	12.00	11.98	15.00	23.97	-8.97	3.22	18.22	29.97	-11.75
			SDM	AVG	52	44	50/58.8 (MCS11)	11.54	11.64	14.60	23.97	-9.37	3.22	17.82	29.97	-12.15
5310	62		SDM	AVG	52	37	50/58.8 (MCS11)	11.71	11.79	14.76	23.97	-9.21	3.22	17.98	29.97	-11.99
			SDM	AVG	52	40	50/58.8 (MCS11)	11.95	11.98	14.98	23.97	-8.99	3.22	18.20	29.97	-11.77
			SDM	AVG	52	44	50/58.8 (MCS11)	11.50	11.55	14.54	23.97	-9.43	3.22	17.76	29.97	-12.21
5510	102		CDD	AVG	52	37	50/58.8 (MCS11)	11.24	11.13	14.20	23.83	-9.63	5.22	19.42	29.83	-10.41
			CDD	AVG	52	40	50/58.8 (MCS11)	11.40	11.50	14.46	23.83	-9.37	5.22	19.68	29.83	-10.15
			CDD	AVG	52	44	50/58.8 (MCS11)	11.23	11.07	14.16	23.83	-9.67	5.22	19.38	29.83	-10.45
5550	110		CDD	AVG	52	37	50/58.8 (MCS11)	11.89	11.51	14.71	23.83	-9.12	5.22	19.93	29.83	-9.90
			CDD	AVG	52	40	50/58.8 (MCS11)	11.87	11.97	14.93	23.83	-8.90	5.22	20.15	29.83	-9.68
			CDD	AVG	52	44	50/58.8 (MCS11)	11.56	11.60	14.59	23.83	-9.24	5.22	19.81	29.83	-10.02
5710	142		CDD	AVG	52	37	50/58.8 (MCS11)	11.69	11.86	14.79	23.83	-9.04	5.22	20.01	29.83	-9.82
			CDD	AVG	52	40	50/58.8 (MCS11)	11.80	11.89	14.86	23.83	-8.97	5.22	20.08	29.83	-9.75
			CDD	AVG	52	44	50/58.8 (MCS11)	11.78	11.70	14.75	23.83	-9.08	5.22	19.97	29.83	-9.86

Table 7-83. ISED CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU52)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	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 WF5b	Antenna WF4a	Summed						
5290	58		SDM	AVG	52	37	50/58.8 (MCS11)	11.86	11.85	14.87	23.97	-9.10	3.22	18.09	29.97	-11.88
			SDM	AVG	52	44	50/58.8 (MCS11)	11.79	11.91	14.86	23.97	-9.11	3.22	18.08	29.97	-11.89
			SDM	AVG	52	52	50/58.8 (MCS11)	11.82	11.89	14.87	23.97	-9.10	3.22	18.09	29.97	-11.88
5530	106		CDD	AVG	52	37	50/58.8 (MCS11)	10.70	10.60	13.66	23.83	-10.17	5.22	18.88	29.83	-10.95
			CDD	AVG	52	44	50/58.8 (MCS11)	10.83	10.81	13.83	23.83	-10.00	5.22	19.05	29.83	-10.78
			CDD	AVG	52	52	50/58.8 (MCS11)	10.74	10.63	13.70	23.83	-10.13	5.22	18.92	29.83	-10.91
5690	138		CDD	AVG	52	37	50/58.8 (MCS11)	11.66	11.61	14.65	23.83	-9.18	5.22	19.87	29.83	-9.96
			CDD	AVG	52	44	50/58.8 (MCS11)	11.85	11.94	14.91	23.83	-8.92	5.22	20.13	29.83	-9.70
			CDD	AVG	52	52	50/58.8 (MCS11)	11.50	11.75	14.64	23.83	-9.19	5.22	19.86	29.83	-9.97

Table 7-84. ISED CDD/SDM 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU52)

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	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 WF5b	Antenna WF4a	Summed						
5250	50 (L)		CDD	AVG	52	37	50/58.8 (MCS11)	7.45	7.39	10.43	-	-	6.08	16.51	22.69	-6.18
			CDD	AVG	52	52	50/58.8 (MCS11)	7.38	7.39	10.39	-	-	6.08	16.47	22.69	-6.22
			CDD	AVG	52	52	50/58.8 (MCS11)	7.37	7.32	10.35	-	-	6.08	16.43	22.69	-6.26

Table 7-85. ISED CDD 160MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (RU52)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 73 of 289

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

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF5b	Antenna WF4a	Summed		
	5180	36	SDM	AVG	106	53	106.3/125 (MCS11)	14.85	14.97	17.92	23.98	-6.06
			SDM	AVG	106	54	106.3/125 (MCS11)	14.85	14.77	17.82	23.98	-6.16
	5200	40	SDM	AVG	106	53	106.3/125 (MCS11)	14.84	14.95	17.91	23.98	-6.07
			SDM	AVG	106	54	106.3/125 (MCS11)	14.82	14.80	17.82	23.98	-6.16
	5240	48	SDM	AVG	106	53	106.3/125 (MCS11)	14.87	14.98	17.94	23.98	-6.04
			SDM	AVG	106	54	106.3/125 (MCS11)	14.83	14.98	17.92	23.98	-6.06
	5260	52	SDM	AVG	106	53	106.3/125 (MCS11)	14.88	14.97	17.94	23.97	-6.03
			SDM	AVG	106	54	106.3/125 (MCS11)	14.87	15.00	17.95	23.97	-6.02
	5300	60	SDM	AVG	106	53	106.3/125 (MCS11)	14.85	14.92	17.90	23.97	-6.07
			SDM	AVG	106	54	106.3/125 (MCS11)	14.87	14.99	17.94	23.97	-6.03
	5320	64	SDM	AVG	106	53	106.3/125 (MCS11)	14.80	14.96	17.89	23.97	-6.08
			SDM	AVG	106	54	106.3/125 (MCS11)	14.86	14.99	17.94	23.97	-6.03
	5500	100	CDD	AVG	106	53	106.3/125 (MCS11)	14.27	14.42	17.36	23.83	-6.47
			CDD	AVG	106	54	106.3/125 (MCS11)	14.29	14.48	17.40	23.83	-6.43
	5520	104	CDD	AVG	106	53	106.3/125 (MCS11)	14.81	14.94	17.89	23.83	-5.94
			CDD	AVG	106	54	106.3/125 (MCS11)	14.87	14.99	17.94	23.83	-5.89
	5580	116	CDD	AVG	106	53	106.3/125 (MCS11)	14.86	14.97	17.93	23.83	-5.90
			CDD	AVG	106	54	106.3/125 (MCS11)	14.92	14.97	17.96	23.83	-5.87
	5680	136	CDD	AVG	106	53	106.3/125 (MCS11)	14.87	14.96	17.93	23.83	-5.90
			CDD	AVG	106	54	106.3/125 (MCS11)	14.85	15.00	17.94	23.83	-5.89
	5700	140	CDD	AVG	106	53	106.3/125 (MCS11)	13.25	13.18	16.23	23.83	-7.60
			CDD	AVG	106	54	106.3/125 (MCS11)	13.20	13.21	16.22	23.83	-7.61
	5720	144	CDD	AVG	106	53	106.3/125 (MCS11)	14.84	14.99	17.93	23.83	-5.90
			CDD	AVG	106	54	106.3/125 (MCS11)	14.89	14.98	17.95	23.83	-5.88
	5745	149	CDD	AVG	106	53	106.3/125 (MCS11)	16.36	16.41	19.40	30.00	-10.60
			CDD	AVG	106	54	106.3/125 (MCS11)	16.41	16.42	19.43	30.00	-10.57
	5785	157	CDD	AVG	106	53	106.3/125 (MCS11)	16.42	16.39	19.42	30.00	-10.58
			CDD	AVG	106	54	106.3/125 (MCS11)	16.39	16.48	19.45	30.00	-10.55
	5825	165	CDD	AVG	106	53	106.3/125 (MCS11)	16.38	16.43	19.42	30.00	-10.58
			CDD	AVG	106	54	106.3/125 (MCS11)	16.47	16.40	19.45	30.00	-10.55

Table 7-86. FCC CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF5b	Antenna WF4a	Summed		
	5190	38	CDD	AVG	242	61	243.8/286.8 (MCS11)	11.75	11.70	14.74	23.89	-9.15
			CDD	AVG	242	62	243.8/286.8 (MCS11)	11.92	11.95	14.95	23.89	-8.94
	5230	46	SDM	AVG	242	61	243.8/286.8 (MCS11)	16.86	16.80	19.84	23.98	-4.14
			SDM	AVG	242	62	243.8/286.8 (MCS11)	16.79	16.80	19.81	23.98	-4.17
	5270	54	SDM	AVG	242	61	243.8/286.8 (MCS11)	16.75	16.53	19.65	23.97	-4.32
			SDM	AVG	242	62	243.8/286.8 (MCS11)	16.94	16.89	19.93	23.97	-4.04
	5310	62	CDD	AVG	242	61	243.8/286.8 (MCS11)	12.76	12.52	15.65	23.75	-8.10
			CDD	AVG	242	62	243.8/286.8 (MCS11)	12.96	12.75	15.87	23.75	-7.88
	5510	102	CDD	AVG	242	61	243.8/286.8 (MCS11)	11.45	11.32	14.40	23.83	-9.43
			CDD	AVG	242	62	243.8/286.8 (MCS11)	11.50	11.39	14.46	23.83	-9.37
	5550	110	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.72	16.64	19.69	23.83	-4.14
			CDD	AVG	242	62	243.8/286.8 (MCS11)	16.89	16.92	19.92	23.83	-3.91
	5590	118	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.60	16.69	19.66	23.83	-4.17
			CDD	AVG	242	62	243.8/286.8 (MCS11)	16.86	16.78	19.83	23.83	-4.00
	5630	126	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.50	16.66	19.59	23.83	-4.24
			CDD	AVG	242	62	243.8/286.8 (MCS11)	16.84	16.90	19.88	23.83	-3.95
	5670	134	CDD	AVG	242	61	243.8/286.8 (MCS11)	14.08	14.19	17.15	23.83	-6.68
			CDD	AVG	242	62	243.8/286.8 (MCS11)	14.25	14.30	17.29	23.83	-6.54
	5710	142	CDD	AVG	106	53	106.3/125 (MCS11)	14.59	14.77	17.69	23.83	-6.14
			CDD	AVG	106	54	106.3/125 (MCS11)	14.80	14.95	17.89	23.83	-5.94
	5755	151	CDD	AVG	106	56	106.3/125 (MCS11)	14.55	14.90	17.74	23.83	-6.09
			CDD	AVG	242	61	243.8/286.8 (MCS11)	19.26	19.00	22.14	30.00	-7.86
	5795	159	CDD	AVG	242	62	243.8/286.8 (MCS11)	19.42	19.31	22.38	30.00	-7.62
			CDD	AVG	242	61	243.8/286.8 (MCS11)	19.17	19.14	22.17	30.00	-7.83
			CDD	AVG	242	62	243.8/286.8 (MCS11)	19.35	19.45	22.41	30.00	-7.59

Table 7-87. FCC CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 74 of 289

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF5b	Antenna WF4a	Summed		
5GHz (80MHz Bandwidth)	5210	42	CDD	AVG	484	65	487.5/573.5 (MCS11)	11.25	11.21	14.24	23.89	-9.65
			CDD	AVG	484	66	487.5/573.5 (MCS11)	11.40	11.32	14.37	23.89	-9.52
	5290	58	CDD	AVG	484	65	487.5/573.5 (MCS11)	12.69	12.59	15.65	23.75	-8.10
			CDD	AVG	484	66	487.5/573.5 (MCS11)	12.97	12.83	15.91	23.75	-7.84
	5530	106	CDD	AVG	484	65	487.5/573.5 (MCS11)	10.83	10.64	13.75	23.83	-10.08
			CDD	AVG	484	66	487.5/573.5 (MCS11)	11.00	10.85	13.94	23.83	-9.89
	5610	122	CDD	AVG	484	65	487.5/573.5 (MCS11)	14.86	14.72	17.80	23.83	-6.03
			CDD	AVG	484	66	487.5/573.5 (MCS11)	15.00	14.79	17.91	23.83	-5.92
	5690	138	CDD	AVG	106	53	106.3/125 (MCS11)	14.87	15.00	17.95	23.83	-5.88
			CDD	AVG	106	56	106.3/125 (MCS11)	14.96	14.96	17.97	23.83	-5.86
			CDD	AVG	106	60	106.3/125 (MCS11)	14.95	14.93	17.95	23.83	-5.88
	5775	155	CDD	AVG	484	65	487.5/573.5 (MCS11)	15.74	15.61	18.69	30.00	-11.31
			CDD	AVG	484	66	487.5/573.5 (MCS11)	16.00	15.98	19.00	30.00	-11.00

Table 7-88. FCC CDD 80MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF5b	Antenna WF4a	Summed		
5GHz (160MHz Bandwidth)	5250	50 (L)	CDD	AVG	996	67	1020.8/1201 (MCS11)	7.38	7.45	10.42	23.98	-13.56
	5250	50 (U)	CDD	AVG	996	67	1020.8/1201 (MCS11)	7.30	7.35	10.34	23.98	-13.64
	5570	114 (L)	CDD	AVG	996	67	1020.8/1201 (MCS11)	6.48	6.42	9.46	23.83	-14.37
	5570	114 (U)	CDD	AVG	996	67	1020.8/1201 (MCS11)	6.45	6.32	9.39	23.83	-14.44

Table 7-89. FCC CDD 160MHz BW (UNII) Maximum Conducted Output Power (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2435 IC: 579C-A2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 75 of 289

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

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	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 WF5b	Antenna WF4a	Summed						
	5180	36	SDM	AVG	106	53	106.3/125 (MCS11)	10.58	10.57	13.59	-	-	3.10	16.69	22.69	-6.00
			SDM	AVG	106	54	106.3/125 (MCS11)	10.70	10.62	13.67	-	-	3.10	16.77	22.69	-5.92
	5200	40	SDM	AVG	106	53	106.3/125 (MCS11)	10.42	10.43	13.44	-	-	3.10	16.54	22.69	-6.15
			SDM	AVG	106	54	106.3/125 (MCS11)	10.57	10.39	13.49	-	-	3.10	16.59	22.69	-6.10
	5240	48	SDM	AVG	106	53	106.3/125 (MCS11)	10.62	10.69	13.66	-	-	3.10	16.76	22.69	-5.93
			SDM	AVG	106	54	106.3/125 (MCS11)	10.66	10.49	13.59	-	-	3.10	16.69	22.69	-6.00
	5260	52	SDM	AVG	106	53	106.3/125 (MCS11)	14.88	14.97	17.94	23.97	-6.03	3.22	21.16	29.97	-8.81
			SDM	AVG	106	54	106.3/125 (MCS11)	14.87	15.00	17.95	23.97	-6.02	3.22	21.17	29.97	-8.80
	5300	60	SDM	AVG	106	53	106.3/125 (MCS11)	14.85	14.92	17.90	23.97	-6.07	3.22	21.12	29.97	-8.85
			SDM	AVG	106	54	106.3/125 (MCS11)	14.87	14.99	17.94	23.97	-6.03	3.22	21.16	29.97	-8.81
	5320	64	SDM	AVG	106	53	106.3/125 (MCS11)	14.80	14.96	17.89	23.97	-6.08	3.22	21.11	29.97	-8.86
			SDM	AVG	106	54	106.3/125 (MCS11)	14.86	14.99	17.94	23.97	-6.03	3.22	21.16	29.97	-8.81
	5500	100	CDD	AVG	106	53	106.3/125 (MCS11)	14.27	14.42	17.36	23.83	-6.47	5.22	22.58	29.83	-7.25
			CDD	AVG	106	54	106.3/125 (MCS11)	14.29	14.48	17.40	23.83	-6.43	5.22	22.62	29.83	-7.21
	5520	104	CDD	AVG	106	53	106.3/125 (MCS11)	14.81	14.94	17.89	23.83	-5.94	5.22	23.11	29.83	-6.72
			CDD	AVG	106	54	106.3/125 (MCS11)	14.87	14.99	17.94	23.83	-5.89	5.22	23.16	29.83	-6.67
	5580	116	CDD	AVG	106	53	106.3/125 (MCS11)	14.86	14.97	17.93	23.83	-5.90	5.22	23.15	29.83	-6.68
			CDD	AVG	106	54	106.3/125 (MCS11)	14.92	14.97	17.96	23.83	-5.87	5.22	23.18	29.83	-6.65
	5680	136	CDD	AVG	106	53	106.3/125 (MCS11)	14.87	14.96	17.93	23.83	-5.90	5.22	23.15	29.83	-6.68
			CDD	AVG	106	54	106.3/125 (MCS11)	14.85	15.00	17.94	23.83	-5.89	5.22	23.16	29.83	-6.67
	5700	140	CDD	AVG	106	53	106.3/125 (MCS11)	13.25	13.18	16.23	23.83	-7.60	5.22	21.45	29.83	-8.38
			CDD	AVG	106	54	106.3/125 (MCS11)	13.20	13.21	16.22	23.83	-7.61	5.22	21.44	29.83	-8.39
	5720	144	CDD	AVG	106	53	106.3/125 (MCS11)	14.84	14.99	17.93	23.83	-5.90	5.22	23.15	29.83	-6.68
			CDD	AVG	106	54	106.3/125 (MCS11)	14.89	14.98	17.95	23.83	-5.88	5.22	23.17	29.83	-6.66
	5745	149	CDD	AVG	106	53	106.3/125 (MCS11)	16.36	16.41	19.40	30.00	-10.60	5.36	24.76	-	-
			CDD	AVG	106	54	106.3/125 (MCS11)	16.41	16.42	19.43	30.00	-10.57	5.36	24.79	-	-
	5785	157	CDD	AVG	106	53	106.3/125 (MCS11)	16.42	16.39	19.42	30.00	-10.58	5.36	24.78	-	-
			CDD	AVG	106	54	106.3/125 (MCS11)	16.39	16.48	19.45	30.00	-10.55	5.36	24.81	-	-
	5825	165	CDD	AVG	106	53	106.3/125 (MCS11)	16.38	16.43	19.42	30.00	-10.58	5.36	24.78	-	-
			CDD	AVG	106	54	106.3/125 (MCS11)	16.47	16.40	19.45	30.00	-10.55	5.36	24.81	-	-

Table 7-90. ISED CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	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 WF5b	Antenna WF4a	Summed						
	5190	38	SDM	AVG	242	61	243.8/286.8 (MCS11)	11.85	11.99	14.93	-	-	3.10	18.03	22.69	-4.66
			SDM	AVG	242	62	243.8/286.8 (MCS11)	11.83	11.84	14.84	-	-	3.10	17.94	22.69	-4.75
	5230	46	SDM	AVG	242	61	243.8/286.8 (MCS11)	12.51	12.52	15.52	-	-	3.10	18.62	22.69	-4.07
			SDM	AVG	242	62	243.8/286.8 (MCS11)	12.69	12.73	15.72	-	-	3.10	18.82	22.69	-3.87
	5270	54	SDM	AVG	242	61	243.8/286.8 (MCS11)	16.75	16.53	19.65	23.97	-4.32	3.22	22.87	29.97	-7.10
			SDM	AVG	242	62	243.8/286.8 (MCS11)	16.94	16.89	19.93	23.97	-4.04	3.22	23.15	29.97	-6.82
	5310	62	CDD	AVG	242	61	243.8/286.8 (MCS11)	12.76	12.52	15.65	23.75	-8.10	6.22	21.87	29.75	-7.88
			CDD	AVG	242	62	243.8/286.8 (MCS11)	12.96	12.75	15.87	23.75	-7.88	6.22	22.09	29.75	-7.66
	5510	102	CDD	AVG	242	61	243.8/286.8 (MCS11)	11.45	11.32	14.40	23.83	-9.43	5.22	19.62	29.83	-10.21
			CDD	AVG	242	62	243.8/286.8 (MCS11)	11.50	11.39	14.46	23.83	-9.37	5.22	19.68	29.83	-10.15
	5550	110	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.72	16.64	19.69	23.83	-4.14	5.22	24.91	29.83	-4.92
			CDD	AVG	242	62	243.8/286.8 (MCS11)	16.89	16.92	19.92	23.83	-3.91	5.22	25.14	29.83	-4.69
	5670	134	CDD	AVG	242	61	243.8/286.8 (MCS11)	14.08	14.19	17.15	23.83	-6.68	5.22	22.37	29.83	-7.46
			CDD	AVG	242	62	243.8/286.8 (MCS11)	14.25	14.30	17.29	23.83	-6.54	5.22	22.51	29.83	-7.32
	5710	142	CDD	AVG	106	53	106.3/125 (MCS11)	14.59	14.77	17.69	23.83	-6.14	5.22	22.91	29.83	-6.92
			CDD	AVG	106	54	106.3/125 (MCS11)	14.80	14.95	17.89	23.83	-5.94	5.22	23.11	29.83	-6.72
	5755	151	CDD	AVG	242	61	243.8/286.8 (MCS11)	19.42	19.31	22.38	30.00	-7.62	5.36	27.74	-	-
			CDD	AVG	242	62	243.8/286.8 (MCS11)	19.17	19.14	22.17	30.00	-7.83	5.36	27.53	-	-
	5795	159	CDD	AVG	242	61	243.8/286.8 (MCS11)	19.35	19.45	22.41	30.00	-7.59	5.36	27.77	-	-
			CDD	AVG	242	62	243.8/286.8 (MCS11)	19.35	19.45	22.41	30.00	-7.59	5.36	27.77	-	-

Table 7-91. ISED CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 76 of 289	

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	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 Wf5b	Antenna Wf4a	Summed						
5GHz (80MHz Bandwidth)	5210	42	CDD	AVG	484	65	487.5/573.5 (MCS11)	11.18	11.16	14.18	-	-	6.08	20.26	22.69	-2.43
			CDD	AVG	484	66	487.5/573.5 (MCS11)	11.26	11.13	14.20	-	-	6.08	20.28	22.69	-2.41
	5290	58	CDD	AVG	484	65	487.5/573.5 (MCS11)	12.69	12.59	15.65	23.75	-8.10	6.22	21.87	29.75	-7.88
			CDD	AVG	484	66	487.5/573.5 (MCS11)	12.97	12.83	15.91	23.75	-7.84	6.22	22.13	29.75	-7.62
	5530	106	CDD	AVG	484	65	487.5/573.5 (MCS11)	10.83	10.64	13.75	23.83	-10.08	5.22	18.97	29.83	-10.86
			CDD	AVG	484	66	487.5/573.5 (MCS11)	11.00	10.85	13.94	23.83	-9.89	5.22	19.16	29.83	-10.67
	5690	138	CDD	AVG	106	53	106.3/125 (MCS11)	14.87	15.00	17.95	23.83	-5.88	5.22	23.17	29.83	-6.66
			CDD	AVG	106	56	106.3/125 (MCS11)	14.96	14.96	17.97	23.83	-5.86	5.22	23.19	29.83	-6.64
	5775	155	CDD	AVG	106	60	106.3/125 (MCS11)	14.95	14.93	17.95	23.83	-5.88	5.22	23.17	29.83	-6.66
			CDD	AVG	484	65	487.5/573.5 (MCS11)	16.00	15.98	19.00	30.00	-11.00	5.36	24.36	-	-
			CDD	AVG	484	66	487.5/573.5 (MCS11)	16.00	15.98	19.00	30.00	-11.00	5.36	24.36	-	-

Table 7-92. ISED CDD 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	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 Wf5b	Antenna Wf4a	Summed						
5GHz (160MHz Bandwidth)	5250	50 (L)	CDD	AVG	996	67	1020.8/1201 (MCS11)	7.38	7.45	10.42	-	-	6.08	16.50	22.69	-6.19
	5250	50 (U)	CDD	AVG	996	67	1020.8/1201 (MCS11)	7.30	7.35	10.34	-	-	6.08	16.42	22.69	-6.27

Table 7-93. ISED CDD 160MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Highest Power Among Partially-Loaded RU's)

FCC ID: BCGA2435 IC: 579C-A2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 77 of 289

FCC CDD/SDM Conducted Output Power Measurements (Fully-loaded RU)

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF5b	Antenna WF4a	Summed		
	5180	36	CDD	AVG	242	61	243.8/286.8 (MCS11)	15.49	15.47	18.49	23.89	-5.40
	5200	40	SDM	AVG	242	61	243.8/286.8 (MCS11)	16.93	16.92	19.94	23.98	-4.04
	5240	48	SDM	AVG	242	61	243.8/286.8 (MCS11)	16.81	16.82	19.83	23.98	-4.15
	5260	52	SDM	AVG	242	61	243.8/286.8 (MCS11)	16.98	16.87	19.94	23.97	-4.03
	5300	60	SDM	AVG	242	61	243.8/286.8 (MCS11)	17.00	16.99	20.01	23.97	-3.96
	5320	64	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.50	16.45	19.49	23.75	-4.26
	5500	100	CDD	AVG	242	61	243.8/286.8 (MCS11)	14.49	14.39	17.45	23.83	-6.38
	5520	104	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.99	16.96	19.99	23.83	-3.84
	5580	116	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.92	16.98	19.96	23.83	-3.87
	5680	136	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.90	16.97	19.95	23.83	-3.88
	5700	140	CDD	AVG	242	61	243.8/286.8 (MCS11)	13.10	13.20	16.16	23.83	-7.67
	5720	144	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.92	16.92	19.93	23.83	-3.90
	5745	149	CDD	AVG	242	61	243.8/286.8 (MCS11)	19.49	19.25	22.38	30.00	-7.62
	5785	157	CDD	AVG	242	61	243.8/286.8 (MCS11)	19.28	19.46	22.38	30.00	-7.62
	5825	165	CDD	AVG	242	61	243.8/286.8 (MCS11)	19.35	19.38	22.38	30.00	-7.62

Table 7-94. FCC CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF5b	Antenna WF4a	Summed		
	5190	38	CDD	AVG	484	65	487.5/573.5 (MCS11)	12.00	11.92	14.97	23.89	-8.92
	5230	46	CDD	AVG	484	65	487.5/573.5 (MCS11)	18.50	18.43	21.48	23.89	-2.41
	5270	54	CDD	AVG	484	65	487.5/573.5 (MCS11)	18.81	18.96	21.90	23.75	-1.85
	5310	62	CDD	AVG	484	65	487.5/573.5 (MCS11)	12.89	13.00	15.96	23.75	-7.79
	5510	102	CDD	AVG	484	65	487.5/573.5 (MCS11)	11.33	11.37	14.36	23.83	-9.47
	5550	110	CDD	AVG	484	65	487.5/573.5 (MCS11)	17.50	17.42	20.47	23.83	-3.36
	5590	118	CDD	AVG	484	65	487.5/573.5 (MCS11)	18.92	18.90	21.92	23.83	-1.91
	5630	126	CDD	AVG	484	65	487.5/573.5 (MCS11)	18.32	18.43	21.39	23.83	-2.44
	5670	134	CDD	AVG	484	65	487.5/573.5 (MCS11)	14.42	14.32	17.38	23.83	-6.45
	5710	142	CDD	AVG	484	65	487.5/573.5 (MCS11)	19.42	19.47	22.46	23.83	-1.37
	5755	151	CDD	AVG	484	65	487.5/573.5 (MCS11)	19.39	19.35	22.38	30.00	-7.62
	5795	159	CDD	AVG	484	65	487.5/573.5 (MCS11)	19.37	19.48	22.44	30.00	-7.56

Table 7-95. FCC CDD 40MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF5b	Antenna WF4a	Summed		
	5210	42	CDD	AVG	996	67	1020.8/1201 (MCS11)	11.25	11.20	14.24	23.89	-9.65
	5290	58	CDD	AVG	996	67	1020.8/1201 (MCS11)	13.00	13.00	16.01	23.75	-7.74
	5530	106	CDD	AVG	996	67	1020.8/1201 (MCS11)	10.97	10.91	13.95	23.83	-9.88
	5610	122	CDD	AVG	996	67	1020.8/1201 (MCS11)	14.96	15.00	17.99	23.83	-5.84
	5690	138	CDD	AVG	996	67	1020.8/1201 (MCS11)	19.46	19.40	22.44	23.83	-1.39
	5775	155	CDD	AVG	996	67	1020.8/1201 (MCS11)	15.85	15.75	18.81	30.00	-11.19

Table 7-96. FCC CDD 80MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	RU Size	RU Index	Data Rate [Mbps]	Conducted Powers [dBm]			Conducted Power Limit [dBm]	Conducted Power Margin [dB]
								Antenna WF5b	Antenna WF4a	Summed		
	5250	50	CDD	AVG	996x2	68	1020.8/1201 (MCS11)	7.46	7.22	10.35	23.98	-13.63
	5570	114	CDD	AVG	996x2	68	1020.8/1201 (MCS11)	6.36	6.35	9.37	23.83	-14.46

Table 7-97. FCC CDD 160MHz BW (UNII) Maximum Conducted Output Power (Fully-loaded RU)

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

5GHz (20MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	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 WF5b	Antenna WF4a	Summed						
	5180	36	CDD	AVG	242	61	243.8/286.8 (MCS11)	12.70	12.67	15.70	-	-	6.08	21.78	22.69	-0.91
	5200	40	SDM	AVG	242	61	243.8/286.8 (MCS11)	12.68	12.71	15.70	-	-	3.10	18.80	22.69	-3.89
	5240	48	SDM	AVG	242	61	243.8/286.8 (MCS11)	12.62	12.40	15.52	-	-	3.10	18.62	22.69	-4.07
	5260	52	SDM	AVG	242	61	243.8/286.8 (MCS11)	16.98	16.87	19.94	23.97	-4.03	3.22	23.16	29.97	-6.81
	5300	60	SDM	AVG	242	61	243.8/286.8 (MCS11)	17.00	16.99	20.01	23.97	-3.96	3.22	23.23	29.97	-6.74
	5320	64	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.50	16.45	19.49	23.75	-4.26	6.22	25.71	29.75	-4.04
	5500	100	CDD	AVG	242	61	243.8/286.8 (MCS11)	14.49	14.39	17.45	23.83	-6.38	5.22	22.67	29.83	-7.16
	5520	104	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.99	16.96	19.99	23.83	-3.84	5.22	25.21	29.83	-4.62
	5580	116	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.92	16.98	19.96	23.83	-3.87	5.22	25.18	29.83	-4.65
	5680	136	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.90	16.97	19.95	23.83	-3.88	5.22	25.17	29.83	-4.66
	5700	140	CDD	AVG	242	61	243.8/286.8 (MCS11)	13.10	13.20	16.16	23.83	-7.67	5.22	21.38	29.83	-8.45
	5720	144	CDD	AVG	242	61	243.8/286.8 (MCS11)	16.92	16.92	19.93	23.83	-3.90	5.22	25.15	29.83	-4.68
	5745	149	CDD	AVG	242	61	243.8/286.8 (MCS11)	19.49	19.25	22.38	30.00	-7.62	5.36	27.74	-	-
	5785	157	CDD	AVG	242	61	243.8/286.8 (MCS11)	19.28	19.46	22.38	30.00	-7.62	5.36	27.74	-	-
	5825	165	CDD	AVG	242	61	243.8/286.8 (MCS11)	19.35	19.38	22.38	30.00	-7.62	5.36	27.74	-	-

Table 7-98. ISED CDD/SDM 20MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (40MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	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 WF5b	Antenna WF4a	Summed						
	5190	38	CDD	AVG	484	65	487.5/573.5 (MCS11)	11.84	11.72	14.79	-	-	6.08	20.87	22.69	-1.82
	5230	46	SDM	AVG	484	65	487.5/573.5 (MCS11)	14.96	15.13	18.06	-	-	3.10	21.16	22.69	-1.53
	5270	54	CDD	AVG	484	65	487.5/573.5 (MCS11)	18.81	18.96	21.90	23.75	-1.85	6.22	28.12	29.75	-1.63
	5310	62	CDD	AVG	484	65	487.5/573.5 (MCS11)	12.89	13.00	15.96	23.75	-7.79	6.22	22.18	29.75	-7.57
	5510	102	CDD	AVG	484	65	487.5/573.5 (MCS11)	11.33	11.37	14.36	23.83	-9.47	5.22	19.58	29.83	-10.25
	5550	110	CDD	AVG	484	65	487.5/573.5 (MCS11)	17.50	17.42	20.47	23.83	-3.36	5.22	25.69	29.83	-4.14
	5670	134	CDD	AVG	484	65	487.5/573.5 (MCS11)	14.42	14.32	17.38	23.83	-6.45	5.22	22.60	29.83	-7.23
	5710	142	CDD	AVG	484	65	487.5/573.5 (MCS11)	19.42	19.47	22.46	23.83	-1.37	5.22	27.68	29.83	-2.15
	5755	151	CDD	AVG	484	65	487.5/573.5 (MCS11)	19.39	19.35	22.38	30.00	-7.62	5.36	27.74	-	-
	5795	159	CDD	AVG	484	65	487.5/573.5 (MCS11)	19.37	19.48	22.44	30.00	-7.56	5.36	27.80	-	-

Table 7-99. ISED CDD/SDM 40MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (80MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	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 WF5b	Antenna WF4a	Summed						
	5210	42	CDD	AVG	996	67	1020.8/1201 (MCS11)	11.12	11.43	14.29	-	-	6.08	20.37	22.69	-2.32
	5290	58	CDD	AVG	996	67	1020.8/1201 (MCS11)	13.00	13.00	16.01	23.75	-7.74	6.22	22.23	29.75	-7.52
	5530	106	CDD	AVG	996	67	1020.8/1201 (MCS11)	10.97	10.91	13.95	23.83	-9.88	5.22	19.17	29.83	-10.66
	5690	138	CDD	AVG	996	67	1020.8/1201 (MCS11)	19.46	19.40	22.44	23.83	-1.39	5.22	27.66	29.83	-2.17
	5775	155	CDD	AVG	996	67	1020.8/1201 (MCS11)	15.85	15.75	18.81	30.00	-11.19	5.36	24.17	-	-

Table 7-100. ISED CDD 80MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

5GHz (160MHz Bandwidth)	Freq [MHz]	Channel	Mode	Detector	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 WF5b	Antenna WF4a	Summed						
	5250	50	CDD	AVG	996x2	68	1020.8/1201 (MCS11)	7.46	7.22	10.35	-	-	6.08	16.43	22.69	-6.26

Table 7-101. ISED CDD 160MHz BW (UNII) Maximum Conducted Output Power and Max EIRP (Fully-loaded RU)

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Note:

Per ANSI C63.10-2013 and KDB 662911 v02r01 Section E1), the conducted powers at Antenna WF5b and Antenna WF4a 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 C63.10-2013 Subclause 14.4.3, 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.

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi}$$

Per ANSI C63.10-2013 Subclause 14.4.3, 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 CDD/SDM Calculation:

At 5180MHz in 802.11ax (20MHz BW) mode, the average conducted output power was measured to be 8.89 dBm for Antenna-5b and 8.72dBm for Antenna-4b.

$$\text{Antenna WF5b} + \text{Antenna WF4a} = \text{SDM}$$

$$(8.89\text{dBm} + 8.72\text{dBm}) = (7.74\text{mW} + 7.44\text{mW}) = 15.18\text{mW} = 11.82\text{dBm}$$

Sample e.i.r.p. Calculation:

At 5180MHz in 802.11ax (20MHz BW, SDM) mode, the average CDD/SDM conducted power was calculated to be 11.82dBm with directional gain of 3.10 dBi.

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

$$11.82 \text{ dBm} + 3.10 \text{ dBi} = 14.92 \text{ dBm}$$

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7.5 Maximum Power Spectral Density – 802.11ax OFDMA

§15.407(a.1.iv) §15.407(a.2) §15.407(a.3); 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 C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2013 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 5.725 – 5.850GHz band, the maximum permissible power spectral density is 30dBm/500kHz.

Test Procedure Used

ANSI C63.10-2013 – Subclause 12.3.2.2

KDB 789033 D02 v02r01 – Section F

ANSI C63.10-2013 – Subclause 14.3.2.2 Measure-and-Sum Technique

KDB 662911 v02r01 – Section E)2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire emission bandwidth of the signal
3. RBW = 1MHz
4. VBW = 3MHz
5. Number of sweep points $\geq 2 \times (\text{span}/\text{RBW})$
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.

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 RU26 configuration was found to be the worst case. Therefore, only the RU26 (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 mid channel psd plots have been reported.

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Antenna WF5b 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)	7.64	11.0	-3.36
				26	4	12.5/14.7 (MCS11)	8.11	11.0	-2.89
				26	8	12.5/14.7 (MCS11)	8.51	11.0	-2.49
	5200	40	ax (20MHz)	26	0	12.5/14.7 (MCS11)	9.11	11.0	-1.89
				26	4	12.5/14.7 (MCS11)	8.71	11.0	-2.29
				26	8	12.5/14.7 (MCS11)	9.22	11.0	-1.78
	5240	48	ax (20MHz)	26	0	12.5/14.7 (MCS11)	9.28	11.0	-1.72
				26	4	12.5/14.7 (MCS11)	8.53	11.0	-2.47
				26	8	12.5/14.7 (MCS11)	8.80	11.0	-2.20
	5190	38	ax (40MHz)	26	0	12.5/14.7 (MCS11)	7.59	11.0	-3.41
				26	8	12.5/14.7 (MCS11)	8.58	11.0	-2.42
				26	17	12.5/14.7 (MCS11)	8.63	11.0	-2.37
	5230	46	ax (40MHz)	26	0	12.5/14.7 (MCS11)	7.19	11.0	-3.81
				26	8	12.5/14.7 (MCS11)	7.58	11.0	-3.42
				26	17	12.5/14.7 (MCS11)	7.24	11.0	-3.76
	5210	42	ax (80MHz)	26	0	12.5/14.7 (MCS11)	7.01	11.0	-3.99
				26	18	12.5/14.7 (MCS11)	6.75	11.0	-4.25
				26	36	12.5/14.7 (MCS11)	7.81	11.0	-3.19

Table 7-102. Bands 1 Power Spectral Density Measurements Antenna WF5b (RU26)

FCC ID: BCGA2435 IC: 579C-A2435		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 1/2A	5250	50 (L)	ax (160MHz)	52	37	25/29.4 (MCS11)	2.09	11.0	-8.91
				52	52	25/29.4 (MCS11)	2.97	11.0	-8.03
		50 (U)		52	52	25/29.4 (MCS11)	2.69	11.0	-8.31
Band 2A	5260	52	ax (20MHz)	52	37	25/29.4 (MCS11)	8.62	11.0	-2.38
				52	38	25/29.4 (MCS11)	9.12	11.0	-1.89
				52	40	25/29.4 (MCS11)	8.87	11.0	-2.13
	5300	60	ax (20MHz)	52	37	25/29.4 (MCS11)	9.05	11.0	-1.95
				52	38	25/29.4 (MCS11)	9.34	11.0	-1.66
				52	40	25/29.4 (MCS11)	9.34	11.0	-1.66
	5320	64	ax (20MHz)	52	37	25/29.4 (MCS11)	9.01	11.0	-1.99
				52	38	25/29.4 (MCS11)	9.26	11.0	-1.74
				52	40	25/29.4 (MCS11)	9.26	11.0	-1.74
	5270	54	ax (40MHz)	52	37	25/29.4 (MCS11)	8.74	11.0	-2.26
				52	40	25/29.4 (MCS11)	7.04	11.0	-3.96
				52	44	25/29.4 (MCS11)	9.00	11.0	-2.00
	5310	62	ax (40MHz)	52	37	25/29.4 (MCS11)	8.76	11.0	-2.24
				52	40	25/29.4 (MCS11)	9.62	11.0	-1.38
				52	44	25/29.4 (MCS11)	8.99	11.0	-2.01
	5290	58	ax (80MHz)	52	37	25/29.4 (MCS11)	8.18	11.0	-2.82
				52	44	25/29.4 (MCS11)	8.56	11.0	-2.44
				52	52	25/29.4 (MCS11)	8.26	11.0	-2.74
Band 2C	5500	100	ax (20MHz)	52	37	25/29.4 (MCS11)	9.31	11.0	-1.69
				52	38	25/29.4 (MCS11)	9.40	11.0	-1.60
				52	40	25/29.4 (MCS11)	9.50	11.0	-1.50
	5580	116	ax (20MHz)	52	37	25/29.4 (MCS11)	9.52	11.0	-1.48
				52	38	25/29.4 (MCS11)	9.90	11.0	-1.10
				52	40	25/29.4 (MCS11)	9.46	11.0	-1.54
	5700	140	ax (20MHz)	52	37	25/29.4 (MCS11)	5.80	11.0	-5.21
				52	38	25/29.4 (MCS11)	6.40	11.0	-4.60
				52	40	25/29.4 (MCS11)	5.83	11.0	-5.17
	5720	144	ax (20MHz)	52	37	25/29.4 (MCS11)	9.32	11.0	-1.68
				52	38	25/29.4 (MCS11)	9.99	11.0	-1.01
				52	40	25/29.4 (MCS11)	9.16	11.0	-1.84
	5510	102	ax (40MHz)	52	37	25/29.4 (MCS11)	5.81	11.0	-5.19
				52	40	25/29.4 (MCS11)	6.74	11.0	-4.26
				52	44	25/29.4 (MCS11)	6.91	11.0	-4.09
	5550	110	ax (40MHz)	52	37	25/29.4 (MCS11)	8.68	11.0	-2.32
				52	40	25/29.4 (MCS11)	9.87	11.0	-1.13
				52	44	25/29.4 (MCS11)	9.44	11.0	-1.56
	5710	142	ax (40MHz)	52	37	25/29.4 (MCS11)	8.55	11.0	-2.45
				52	40	25/29.4 (MCS11)	9.29	11.0	-1.71
				52	44	25/29.4 (MCS11)	8.86	11.0	-2.14
	5530	106	ax (80MHz)	52	37	25/29.4 (MCS11)	7.02	11.0	-3.99
				52	44	25/29.4 (MCS11)	7.33	11.0	-3.67
				52	52	25/29.4 (MCS11)	7.50	11.0	-3.50
	5610*	122	ax (80MHz)	52	37	25/29.4 (MCS11)	8.64	11.0	-2.36
				52	44	25/29.4 (MCS11)	8.44	11.0	-2.56
				52	52	25/29.4 (MCS11)	8.33	11.0	-2.67
	5690	138	ax (80MHz)	52	37	25/29.4 (MCS11)	8.50	11.0	-2.50
				52	44	25/29.4 (MCS11)	8.45	11.0	-2.55
				52	52	25/29.4 (MCS11)	8.83	11.0	-2.17
	5570*	114 (L)	ax (160MHz)	52	37	25/29.4 (MCS11)	2.35	11.0	-8.65
				52	52	25/29.4 (MCS11)	1.91	11.0	-9.09
		114 (U)		52	52	25/29.4 (MCS11)	1.66	11.0	-9.35

Table 7-103. Bands 2A, 2C Power Spectral Density Measurements Antenna WF5b (RU52)

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

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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 1	5180	36	ax (20MHz)	242	61	121.9/143.4 (MCS11)	2.90	11.0	-8.10
	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.74	11.0	-4.26
	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	7.27	11.0	-3.73
	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-2.66	11.0	-13.66
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	3.18	11.0	-7.83
	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-6.98	11.0	-17.98
Band 1/2A	5250	50	ax (160MHz)	996x2	68	510.4/600.5 (MCS11)	-12.13	11.0	-23.13
Band 2A	5260	52	ax (20MHz)	242	61	121.9/143.4 (MCS11)	7.08	11.0	-3.92
	5300	60	ax (20MHz)	242	61	121.9/143.4 (MCS11)	7.12	11.0	-3.88
	5320	64	ax (20MHz)	242	61	121.9/143.4 (MCS11)	4.28	11.0	-6.72
	5270	54	ax (40MHz)	484	65	243.8/286.8 (MCS11)	3.55	11.0	-7.45
	5310	62	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-1.60	11.0	-12.60
	5290	58	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-5.75	11.0	-16.75
Band 2C	5500	100	ax (20MHz)	242	61	121.9/143.4 (MCS11)	3.09	11.0	-7.92
	5580	116	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.55	11.0	-4.45
	5700	140	ax (20MHz)	242	61	121.9/143.4 (MCS11)	0.80	11.0	-10.20
	5720	144	ax (20MHz)	242	61	121.9/143.4 (MCS11)	7.52	11.0	-3.48
	5510	102	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-2.11	11.0	-13.11
	5550	110	ax (40MHz)	484	65	243.8/286.8 (MCS11)	2.44	11.0	-8.56
	5710	142	ax (40MHz)	484	65	243.8/286.8 (MCS11)	6.50	11.0	-4.50
	5530	106	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-4.27	11.0	-15.27
	5610*	122	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-1.38	11.0	-12.38
	5690	138	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-0.71	11.0	-11.71
	5560*	114	ax (160MHz)	996x2	68	510.4/600.5 (MCS11)	-13.32	11.0	-24.32

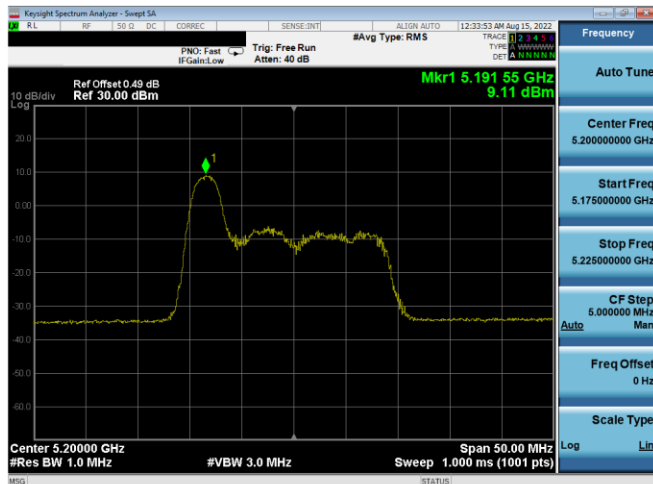
Table 7-104. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF5b (Fully-loaded RU)

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

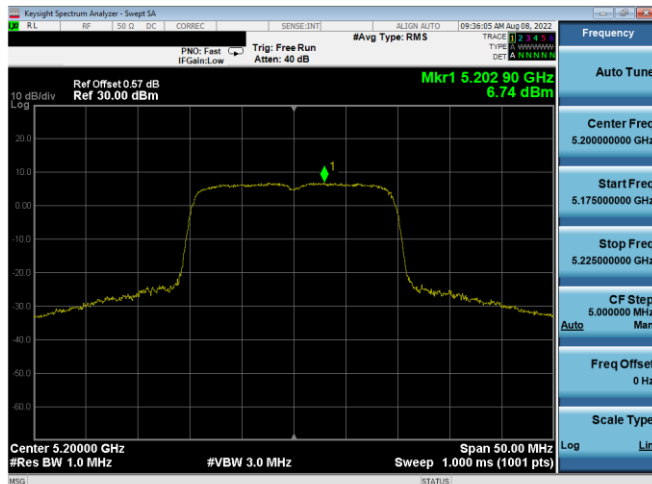
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 84 of 289

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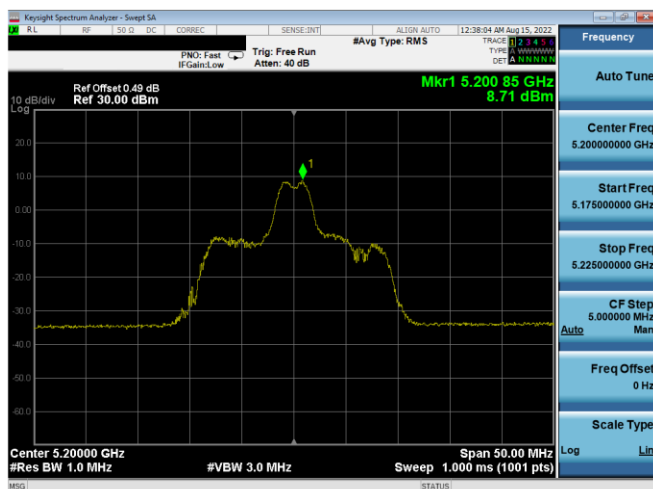
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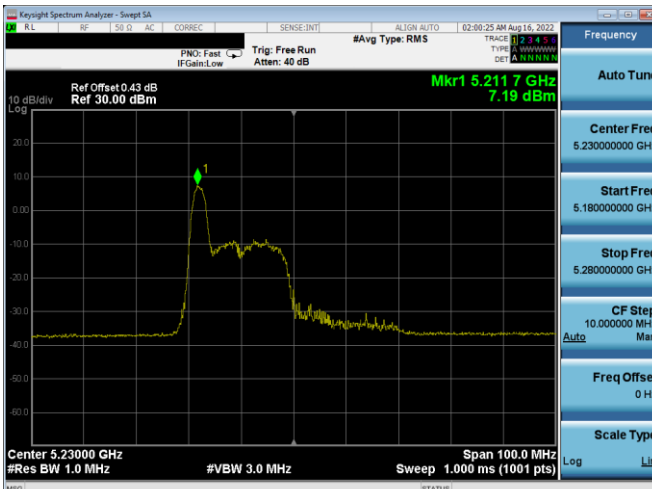
Plot 7-113. PSD Antenna WF5b (20MHz BW 11ax Index 0 – RU26 – Ch.40)



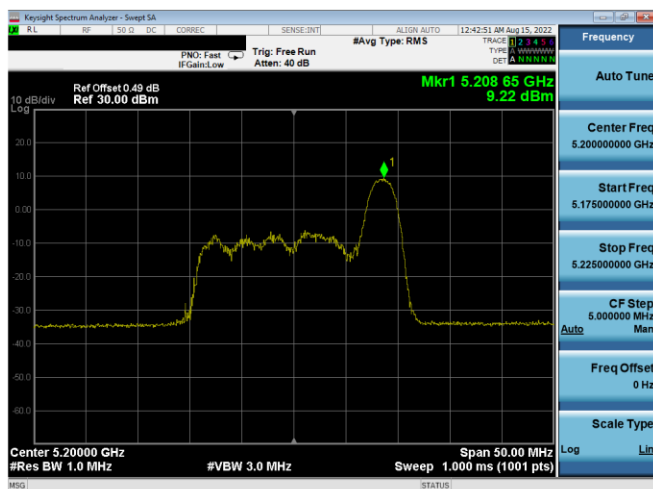
Plot 7-116. PSD Antenna WF5b (20MHz BW 11ax– RU242 – Ch.40)



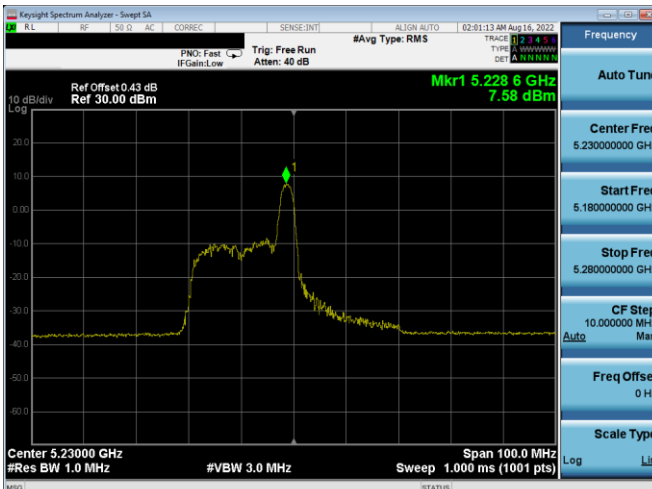
Plot 7-114. PSD Antenna WF5b (20MHz BW 11ax Index 4 – RU26 – Ch.40)



Plot 7-117. PSD Antenna WF5b (40MHz BW 11ax Index 0 – RU26 – Ch.46)



Plot 7-115. PSD Antenna WF5b (20MHz BW 11ax Index 8– RU26 – Ch.40)

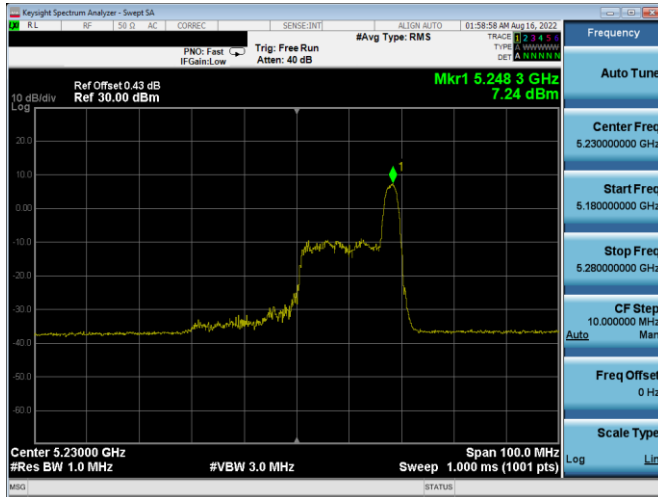


Plot 7-118. PSD Antenna WF5b (40MHz BW 11ax Index 8 – RU26 – Ch.46)

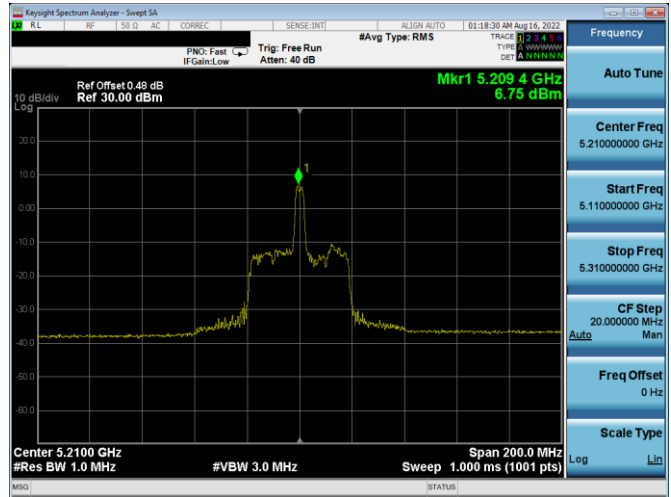
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 85 of 289

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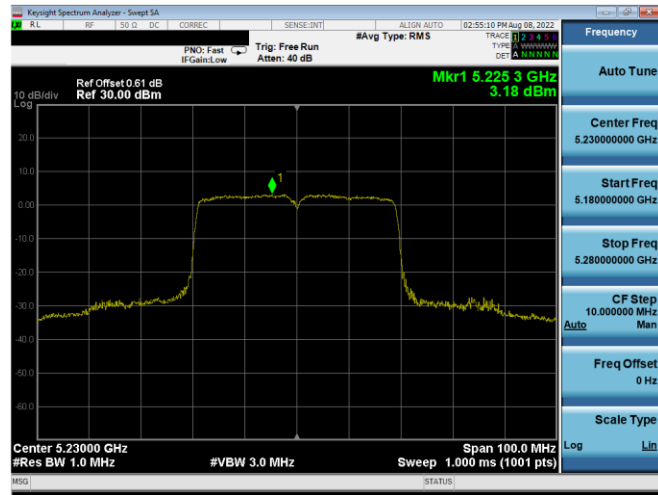
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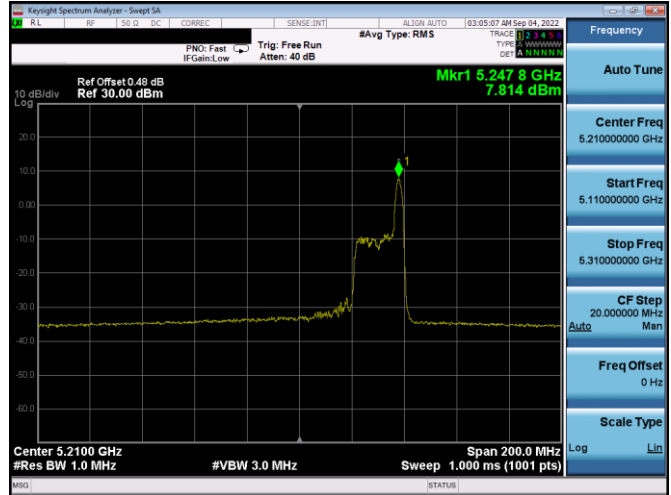
Plot 7-119. PSD Antenna WF5b (40MHz BW 11ax Index 17 - RU26 - Ch.46)



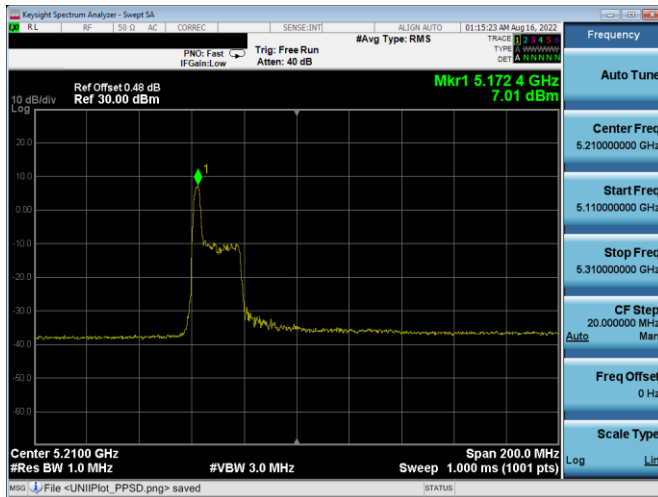
Plot 7-122. PSD Antenna WF5b (80MHz BW 11ax Index 18 - RU26 - Ch.42)



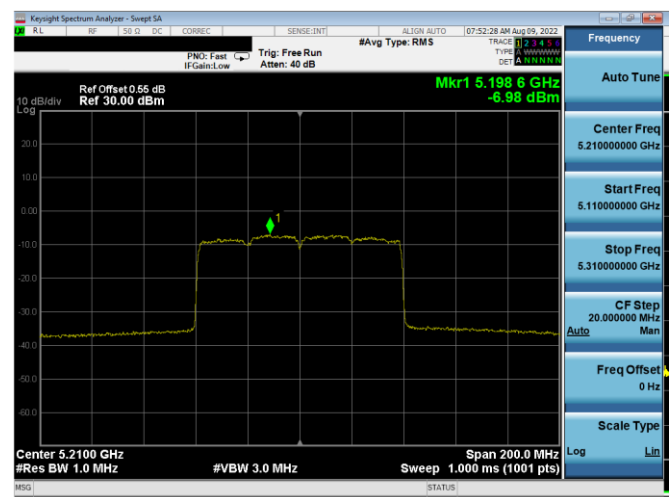
Plot 7-120. PSD Antenna WF5b (40MHz BW 11ax - RU484 - Ch.46)



Plot 7-123. PSD Antenna WF5b (80MHz BW 11ax Index 36 - RU26 - Ch.42)



Plot 7-121. PSD Antenna WF5b (80MHz BW 11ax Index 0 - RU26 - Ch.42)

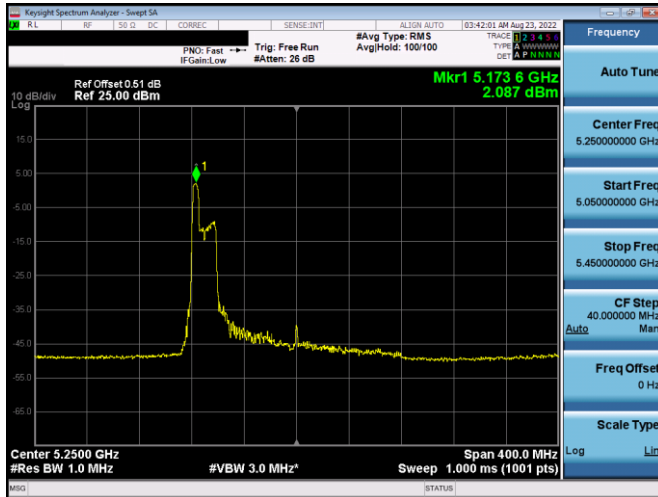


Plot 7-124. PSD Antenna WF5b (80MHz BW 11ax - RU996 - Ch.42)

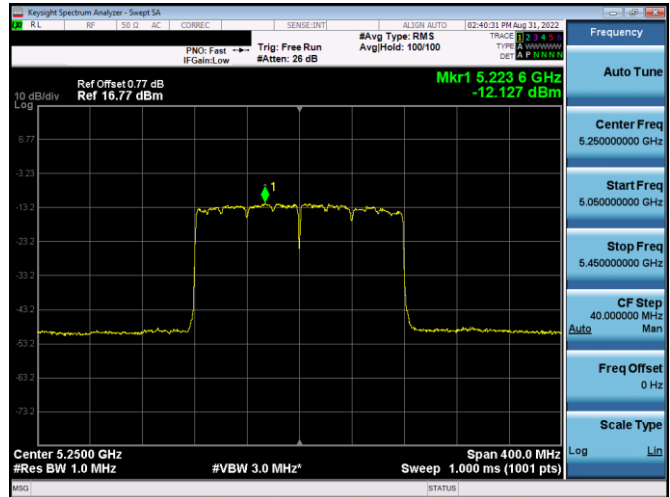
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 86 of 289

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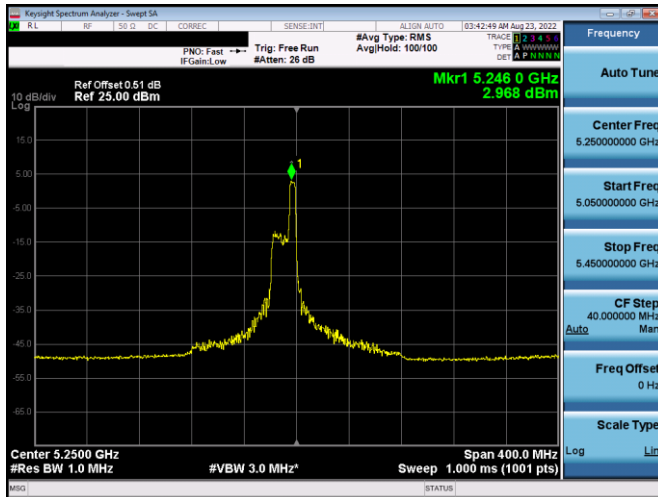
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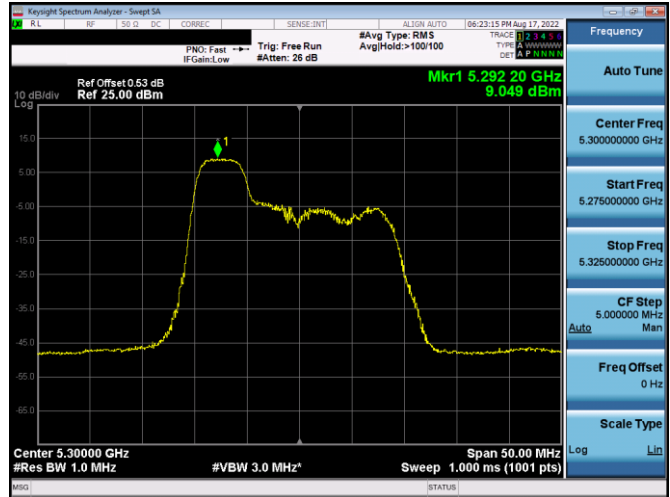
Plot 7-125. PSD Antenna WF5b (20MHz BW 11ax Index 37 - RU52 - Ch.50)



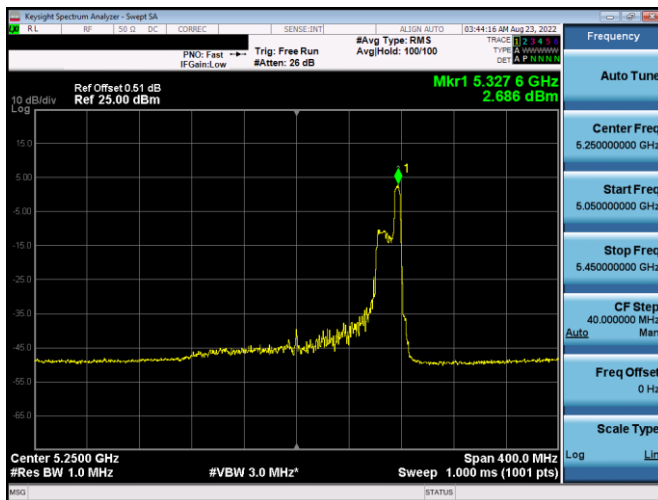
Plot 7-128. PSD Antenna WF5b (20MHz BW 11ax Index 68- RU996x2 - Ch.50)



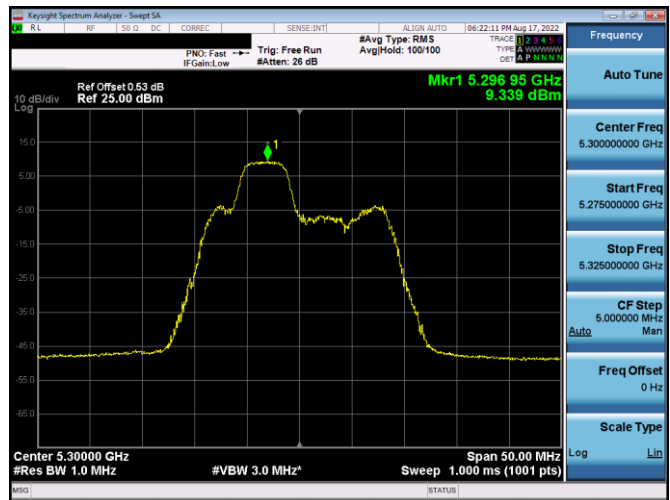
Plot 7-126. PSD Antenna WF5b (20MHz BW 11ax Index 44 - RU52 - Ch.50)



Plot 7-129. PSD Antenna WF5b (20MHz BW 11ax Index 37 - RU52 - Ch.60)

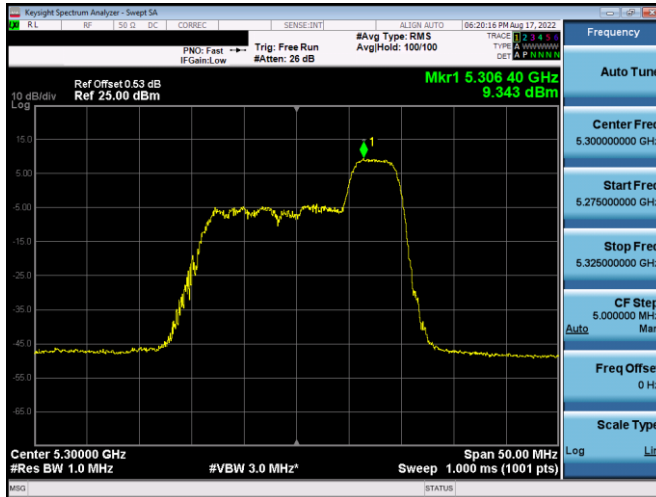


Plot 7-127. PSD Antenna WF5b (20MHz BW 11ax Index 52- RU52 - Ch.50)

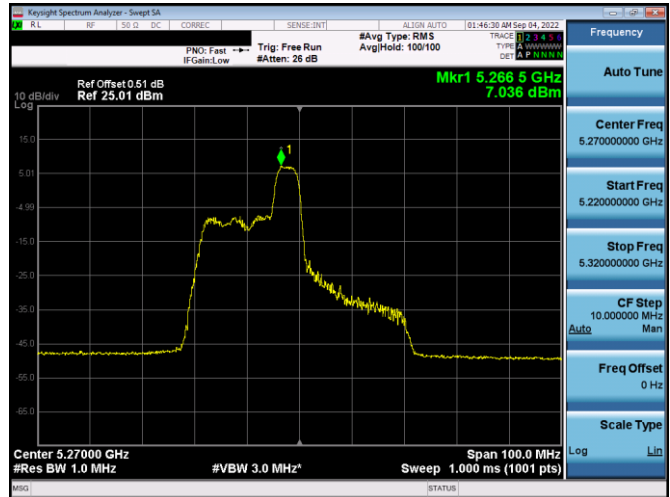


Plot 7-130. PSD Antenna WF5b (20MHz BW 11ax Index 38 - RU52 - Ch.60)

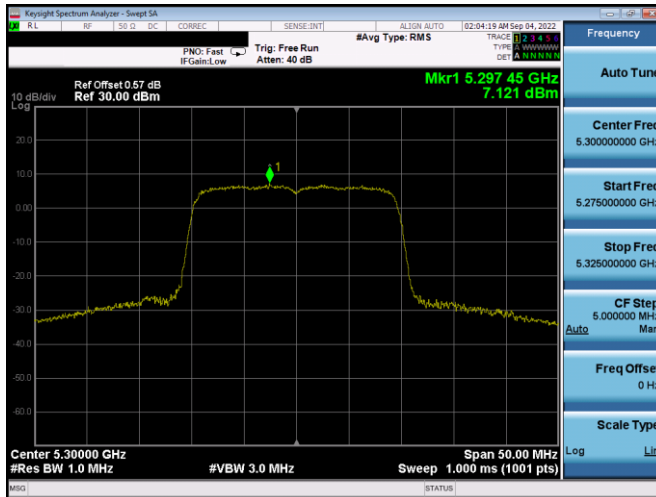
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 87 of 289



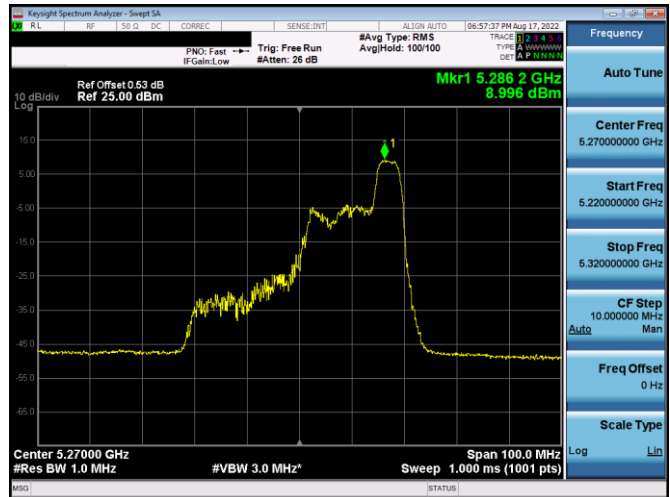
Plot 7-131. PSD Antenna WF5b (20MHz BW 11ax Index 40 – RU52 – Ch.60)



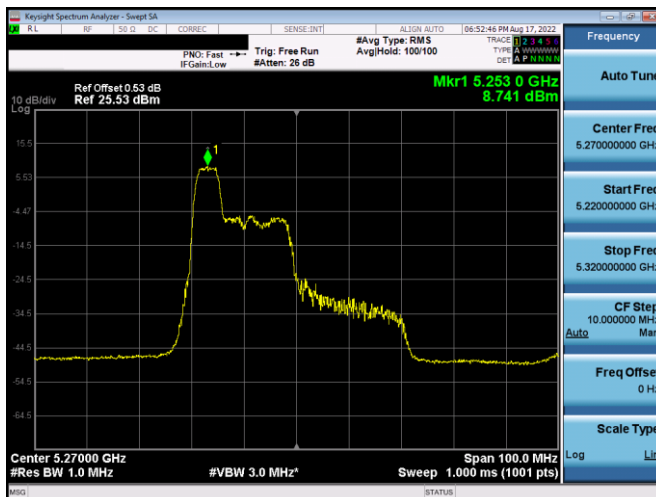
Plot 7-134. PSD Antenna WF5b (40MHz BW 11ax Index 40 – RU52 – Ch.54)



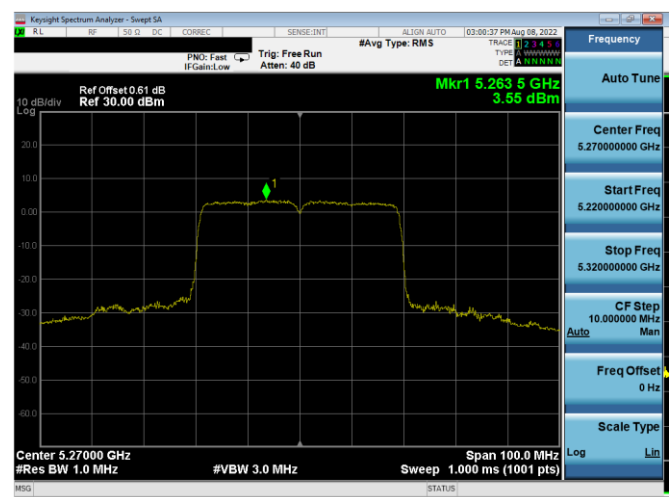
Plot 7-132. PSD Antenna WF5b (20MHz BW 11ax – RU242 – Ch.60)



Plot 7-135. PSD Antenna WF5b (40MHz BW 11ax Index 44 – RU52 – Ch.54)



Plot 7-133. PSD Antenna WF5b (40MHz BW 11ax Index 37 – RU52 – Ch.54)

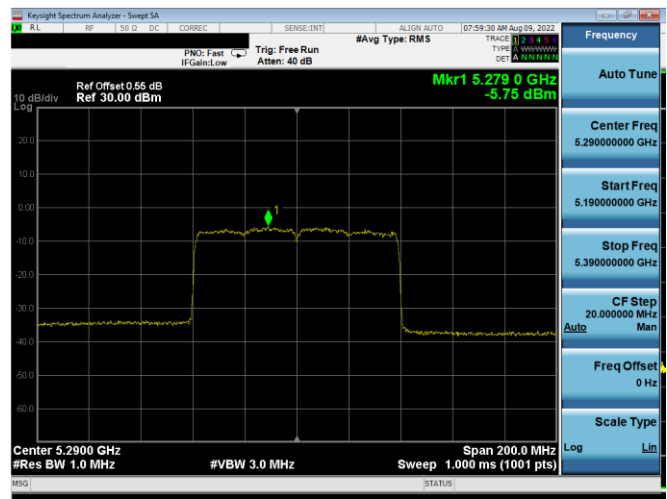


Plot 7-136. PSD Antenna WF5b (40MHz BW 11ax – RU484 – Ch.54)

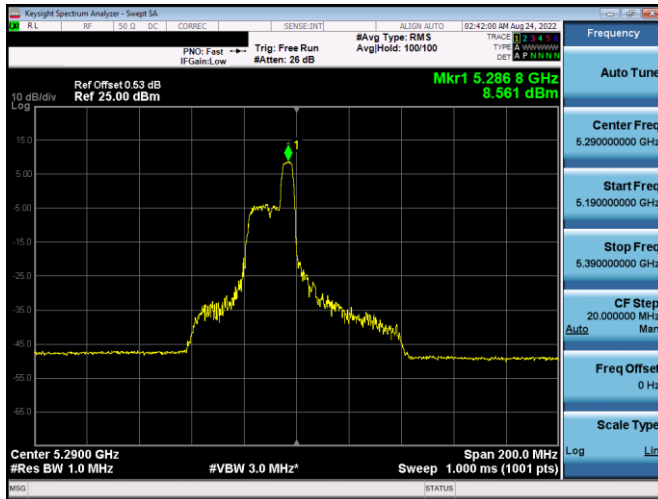
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 88 of 289



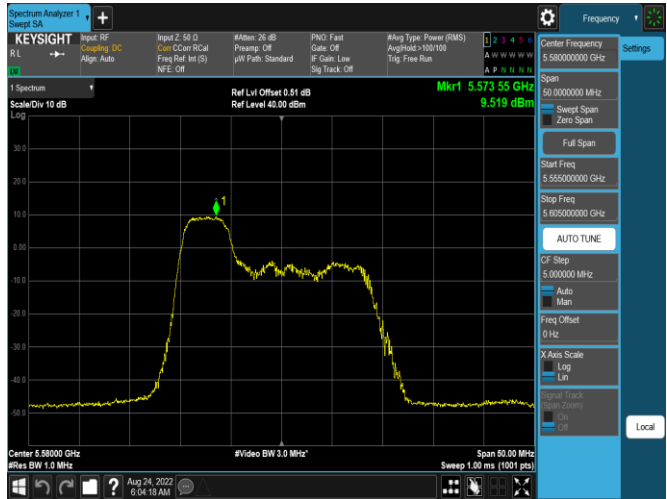
Plot 7-137. PSD Antenna WF5b (80MHz BW 11ax Index 37 – RU52 – Ch.58)



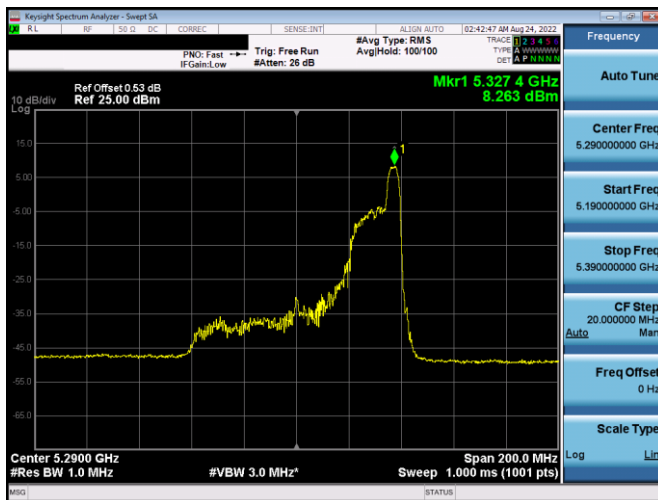
Plot 7-140. PSD Antenna WF5b (80MHz BW 11ax - RU996 – Ch.58)



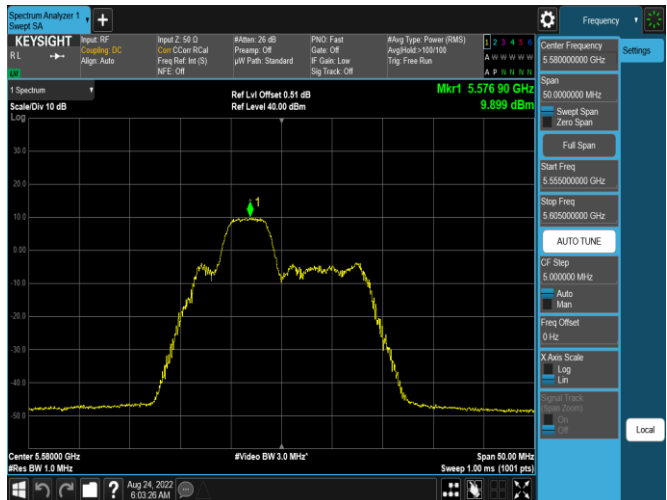
Plot 7-138. PSD Antenna WF5b (80MHz BW 11ax Index 44 – RU52 – Ch.58)



Plot 7-141. PSD Antenna WF5b (20MHz BW 11ax Index 37 – RU52 – Ch.116)

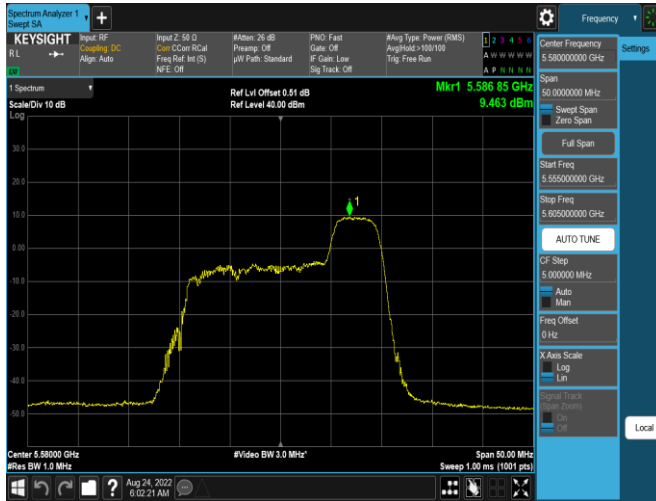


Plot 7-139. PSD Antenna WF5b (80MHz BW 11ax Index 52 – RU52 – Ch.58)

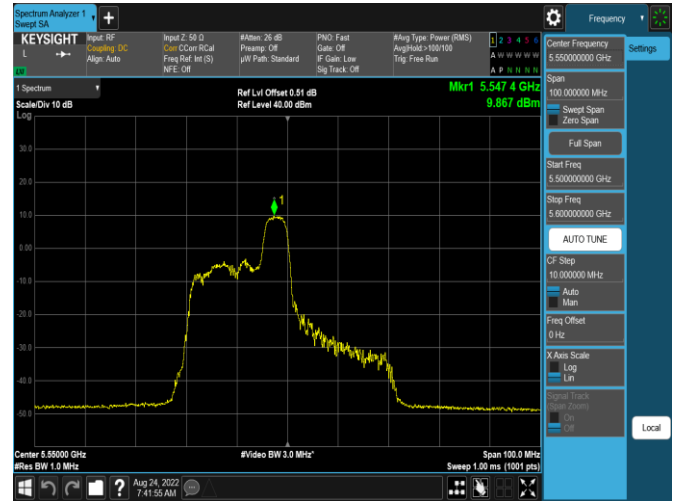


Plot 7-142. PSD Antenna WF5b (20MHz BW 11ax Index 38 – RU52 – Ch.116)

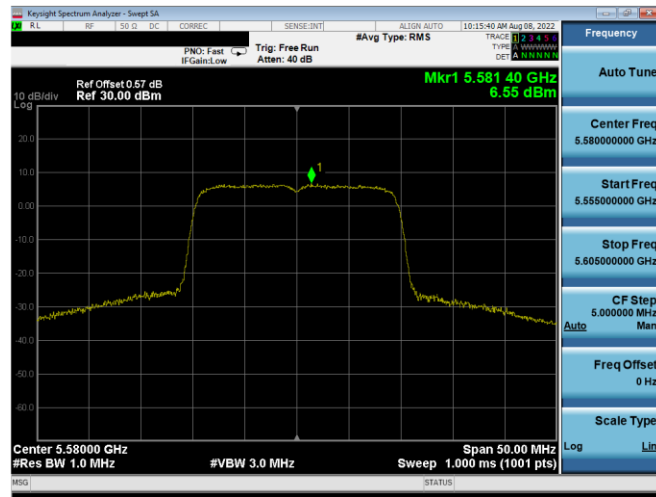
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 89 of 289



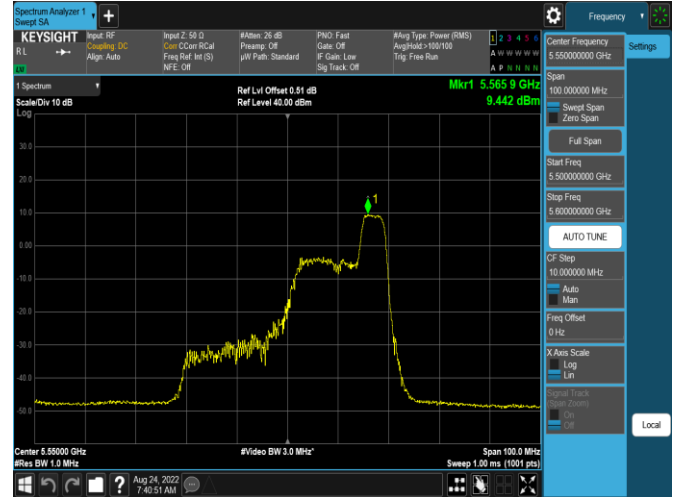
Plot 7-143. PSD Antenna WF5b (20MHz BW 11ax Index 40 – RU52 – Ch.116)



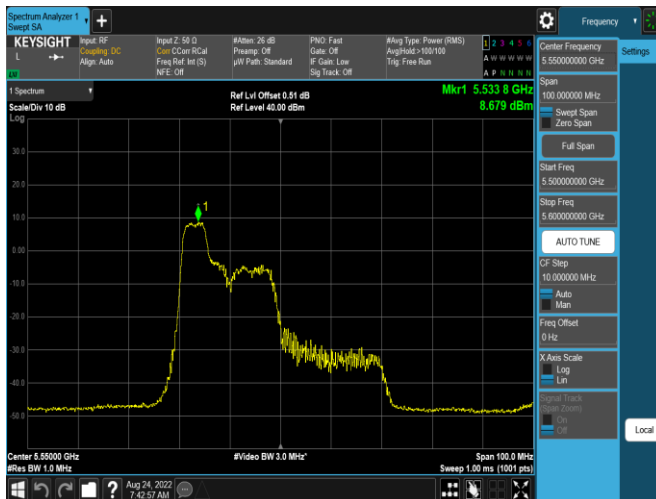
Plot 7-146. PSD Antenna WF5b (40MHz BW 11ax Index 40 – RU52 – Ch.110)



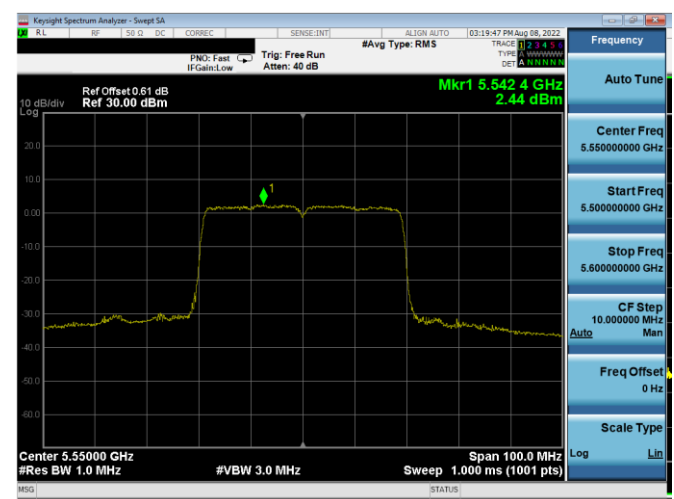
Plot 7-144. PSD Antenna WF5b (20MHz BW 11ax – RU242 – Ch.116)



Plot 7-147. PSD Antenna WF5b (40MHz BW 11ax Index 44 – RU52 – Ch.110)

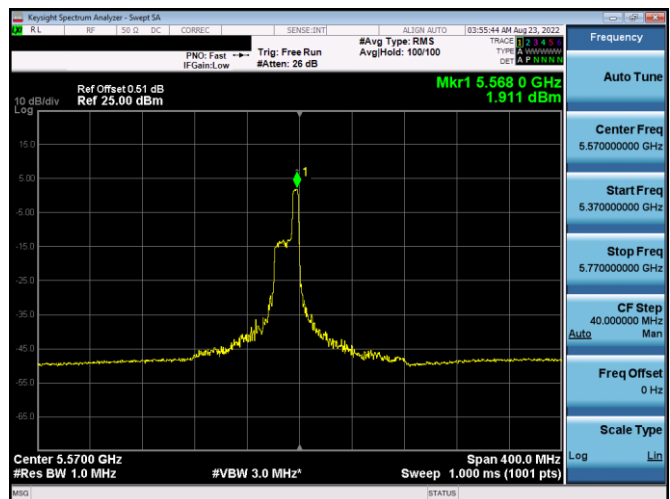
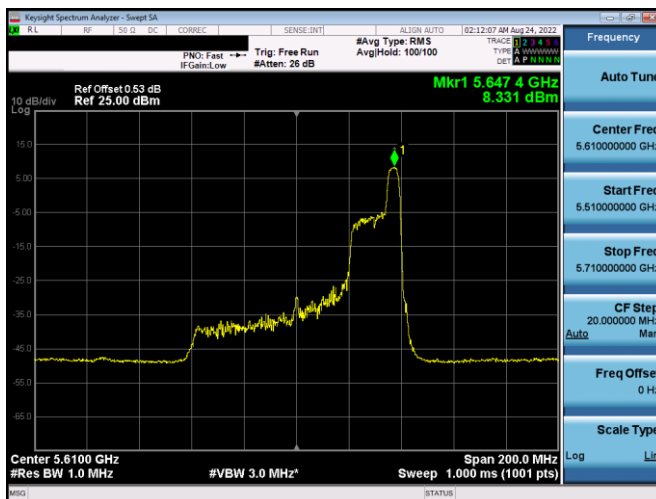
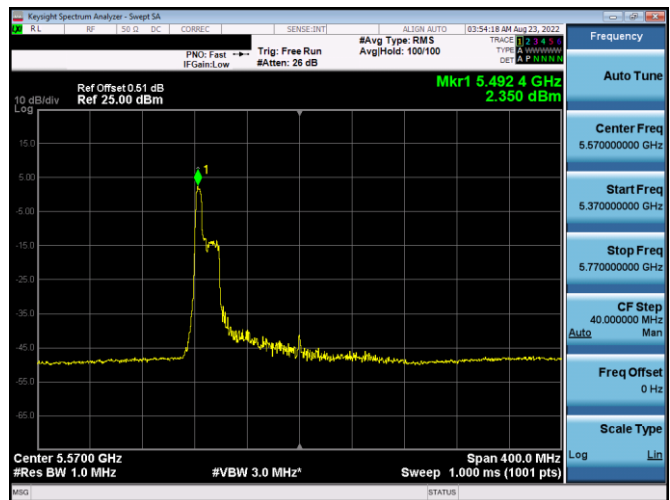
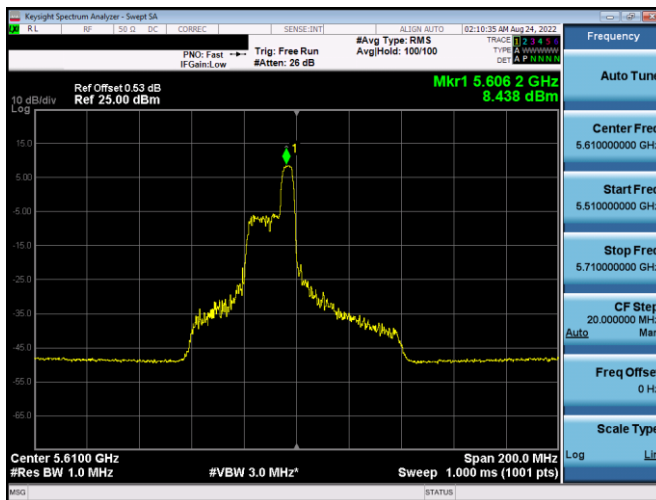
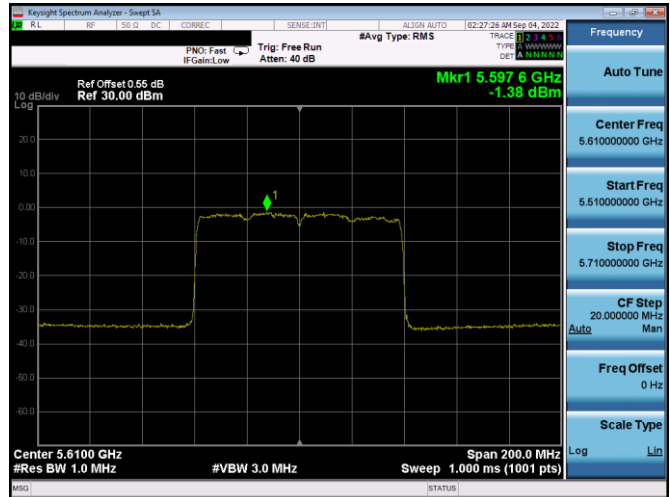
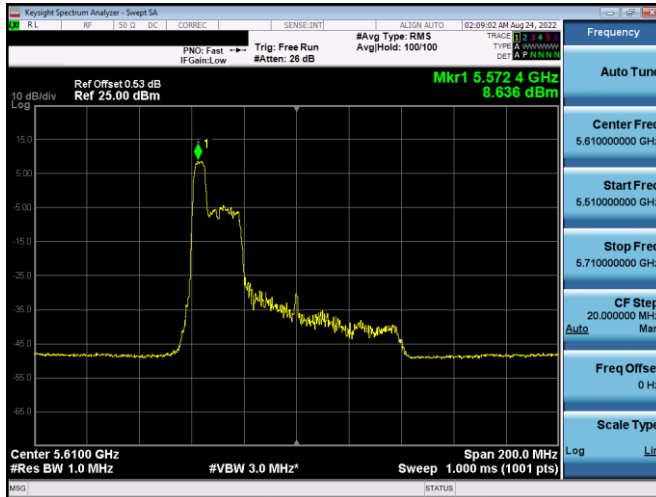


Plot 7-145. PSD Antenna WF5b (40MHz BW 11ax Index 37 – RU52 – Ch.110)

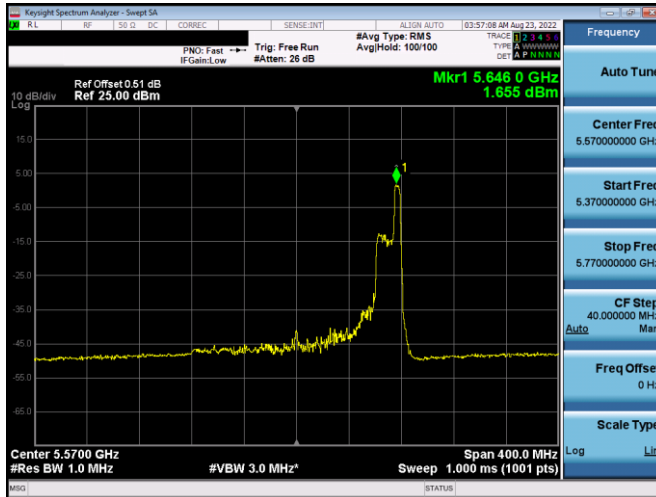


Plot 7-148. PSD Antenna WF5b (40MHz BW 11ax – RU484 – Ch.110)

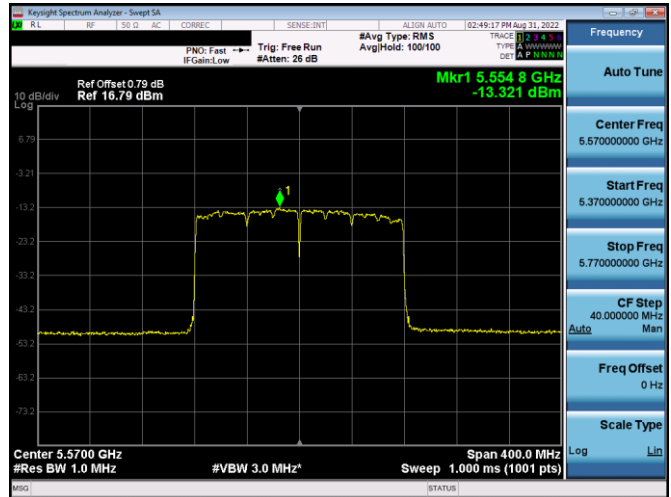
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 90 of 289



FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-155. PSD Antenna WF5b (80MHz BW 11ax Index 52 – RU52 – Ch.114)



Plot 7-156. PSD Antenna WF5b (80MHz BW 11ax Index 68 – RU996x2 – Ch.114)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-20.BCG	Test Dates: 05/30/2022-09/12/2022	EUT Type: Tablet Device	Page 92 of 289

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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)	5.53	30.00	-24.47
				26	4	12.5/14.7 (MCS11)	5.51	30.00	-24.49
				26	8	12.5/14.7 (MCS11)	5.50	30.00	-24.51
	5785	157	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.11	30.00	-24.89
				26	4	12.5/14.7 (MCS11)	5.52	30.00	-24.48
				26	8	12.5/14.7 (MCS11)	5.31	30.00	-24.69
	5825	165	ax (20MHz)	26	0	12.5/14.7 (MCS11)	5.67	30.00	-24.33
				26	4	12.5/14.7 (MCS11)	5.64	30.00	-24.37
				26	8	12.5/14.7 (MCS11)	5.50	30.00	-24.50
	5755	151	ax (40MHz)	26	0	12.5/14.7 (MCS11)	5.25	30.00	-24.75
				26	8	12.5/14.7 (MCS11)	6.02	30.00	-23.98
				26	17	12.5/14.7 (MCS11)	5.14	30.00	-24.86
	5795	159	ax (40MHz)	26	0	12.5/14.7 (MCS11)	4.79	30.00	-25.21
				26	8	12.5/14.7 (MCS11)	5.86	30.00	-24.14
				26	17	12.5/14.7 (MCS11)	5.32	30.00	-24.68
	5775	155	ax (80MHz)	26	0	12.5/14.7 (MCS11)	5.66	30.00	-24.35
				26	18	12.5/14.7 (MCS11)	4.57	30.00	-25.43
				26	36	12.5/14.7 (MCS11)	4.97	30.00	-25.03

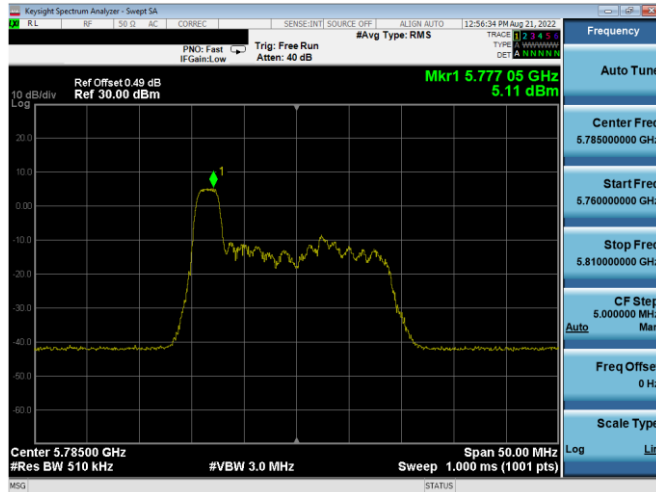
Table 7-105. Band 3 Power Spectral Density Measurements Antenna WF5b (RU26)

	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)	242	61	121.9/143.4 (MCS11)	4.66	30.00	-25.34
	5785	157	ax (20MHz)	242	61	121.9/143.4 (MCS11)	3.90	30.00	-26.10
	5825	165	ax (20MHz)	242	61	121.9/143.4 (MCS11)	3.71	30.00	-26.29
	5755	151	ax (40MHz)	484	65	243.8/286.8 (MCS11)	1.53	30.00	-28.47
	5795	159	ax (40MHz)	484	65	243.8/286.8 (MCS11)	0.65	30.00	-29.35
	5775	155	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-2.80	30.00	-32.80

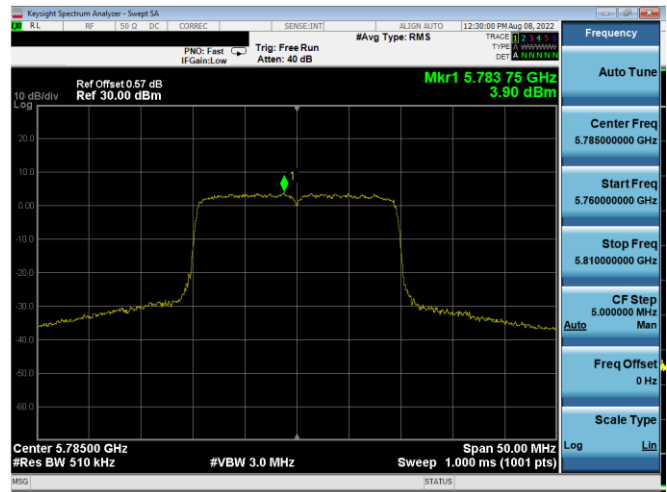
Table 7-106. Band 3 Power Spectral Density Measurements Antenna WF5b (Fully-loaded RU)

FCC ID: BCGA2435 IC: 579C-A2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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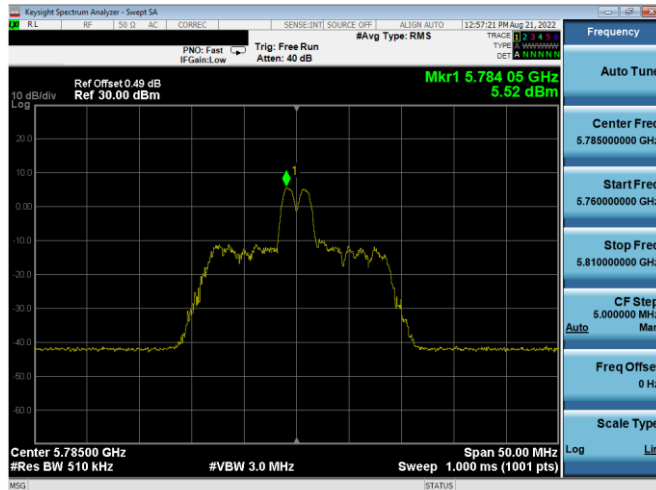
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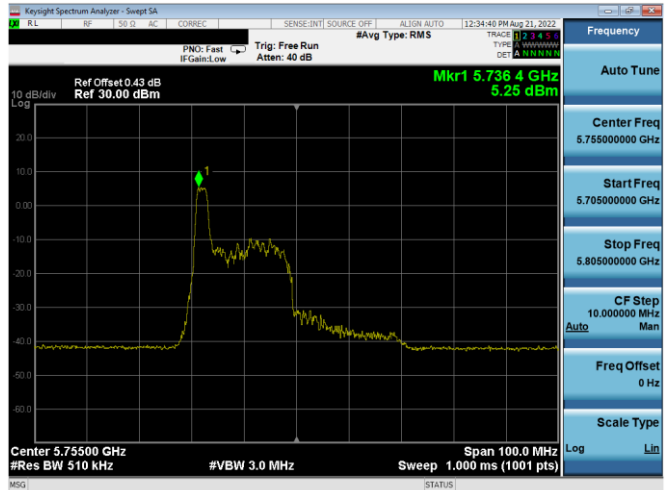
Plot 7-157. PSD Antenna WF5b (20MHz BW 11ax Index 0 – RU26 – Ch.157)



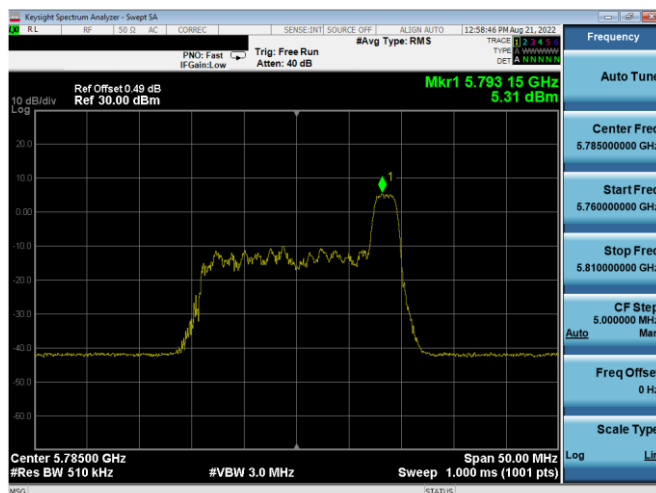
Plot 7-160. PSD Antenna WF5b (20MHz BW 11ax– RU242 – Ch.157)



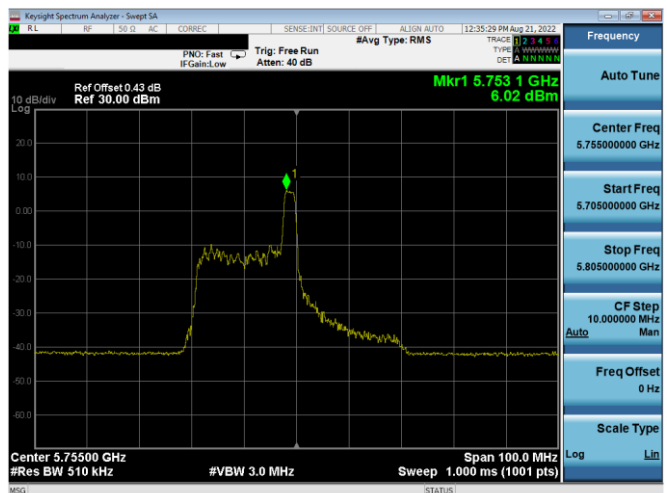
Plot 7-158. PSD Antenna WF5b (20MHz BW 11ax Index 4 – RU26 – Ch.157)



Plot 7-161. PSD Antenna WF5b (40MHz BW 11ax Index 0 – RU26 – Ch.151)

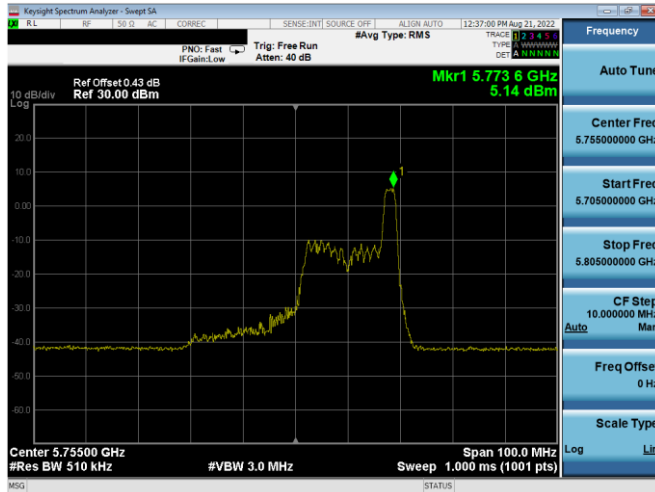


Plot 7-159. PSD Antenna WF5b (20MHz BW 11ax Index 8– RU26 – Ch.157)

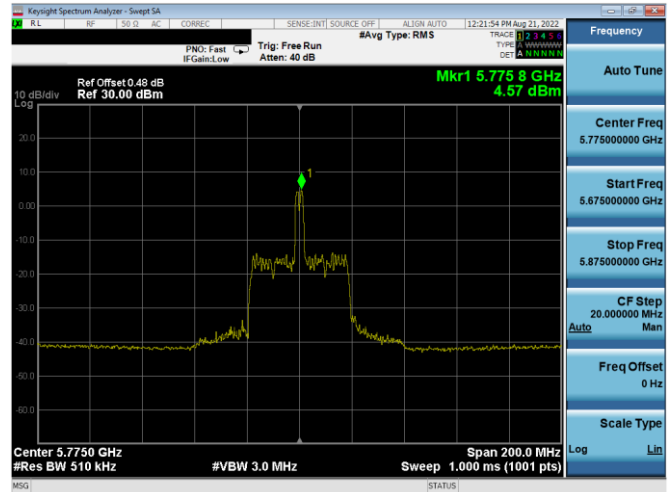


Plot 7-162. PSD Antenna WF5b (40MHz BW 11ax Index 8 – RU26 – Ch.151)

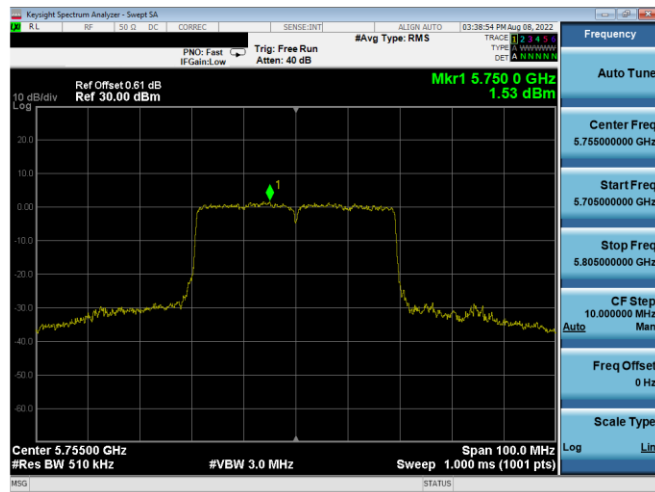
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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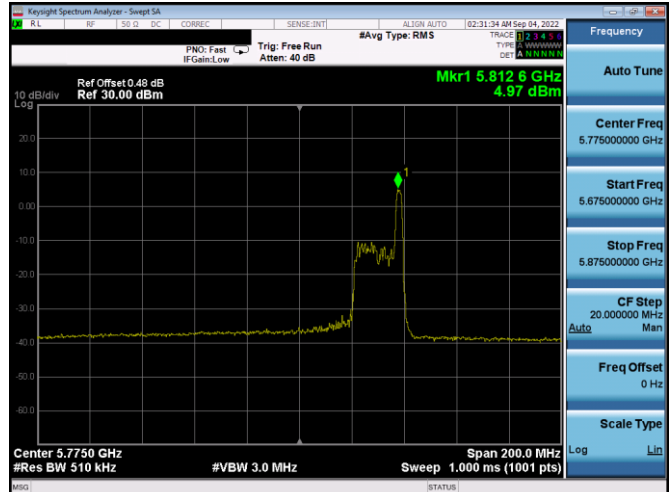
Plot 7-163. PSD Antenna WF5b (40MHz BW 11ax Index 17 – RU26 – Ch.151)



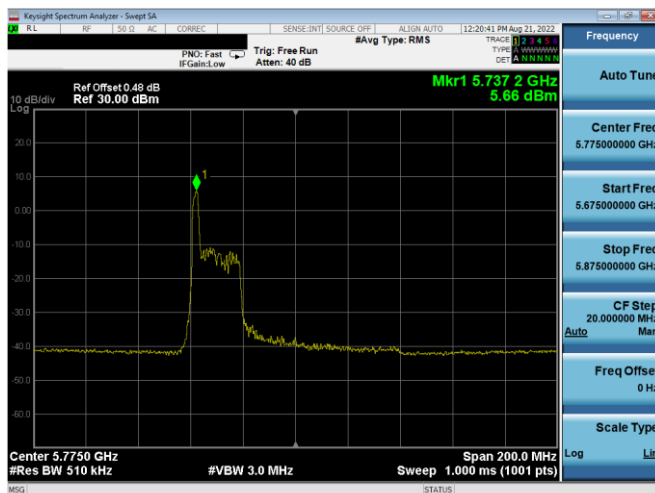
Plot 7-166. PSD Antenna WF5b (80MHz BW 11ax Index 18 – RU26 – Ch.155)



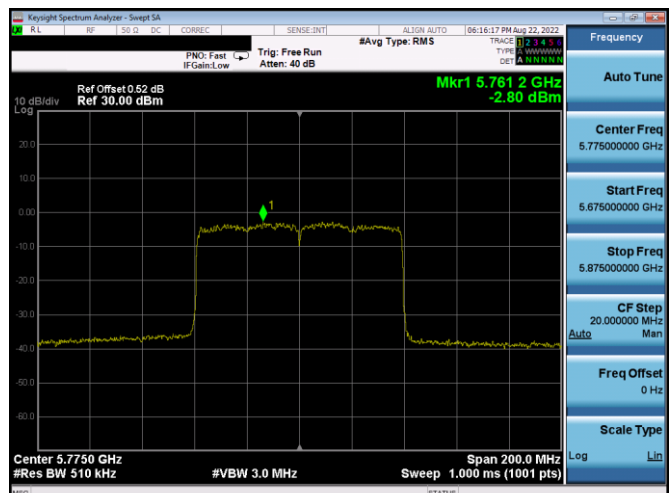
Plot 7-164. PSD Antenna WF5b (40MHz BW 11ax – RU484 – Ch.151)



Plot 7-167. PSD Antenna WF5b (80MHz BW 11ax Index 36 – RU26 – Ch.155)



Plot 7-165. PSD Antenna WF5b (80MHz BW 11ax Index 0 – RU26 – Ch.155)



Plot 7-168. PSD Antenna WF5b (80MHz BW 11ax – RU996 – Ch.155)

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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)	2.11	3.70	5.81	10.0	-4.19
				26	4	12.5/14.7 (MCS11)	1.61	3.70	5.31	10.0	-4.69
				26	8	12.5/14.7 (MCS11)	2.50	3.70	6.20	10.0	-3.80
	5200	40	ax (20MHz)	26	0	12.5/14.7 (MCS11)	2.13	3.70	5.83	10.0	-4.17
				26	4	12.5/14.7 (MCS11)	1.73	3.70	5.43	10.0	-4.58
				26	8	12.5/14.7 (MCS11)	2.38	3.70	6.08	10.0	-3.92
	5240	48	ax (20MHz)	26	0	12.5/14.7 (MCS11)	2.41	3.70	6.11	10.0	-3.89
				26	4	12.5/14.7 (MCS11)	1.91	3.70	5.61	10.0	-4.39
				26	8	12.5/14.7 (MCS11)	2.62	3.70	6.32	10.0	-3.68
	5190	38	ax (40MHz)	26	0	12.5/14.7 (MCS11)	2.18	3.70	5.88	10.0	-4.12
				26	8	12.5/14.7 (MCS11)	3.02	3.70	6.72	10.0	-3.28
				26	17	12.5/14.7 (MCS11)	2.21	3.70	5.91	10.0	-4.09
	5230	46	ax (40MHz)	26	0	12.5/14.7 (MCS11)	2.31	3.70	6.01	10.0	-3.99
				26	8	12.5/14.7 (MCS11)	3.33	3.70	7.03	10.0	-2.97
				26	17	12.5/14.7 (MCS11)	2.39	3.70	6.09	10.0	-3.91
	5210	42	ax (80MHz)	26	0	12.5/14.7 (MCS11)	2.68	3.70	6.38	10.0	-3.62
				26	18	12.5/14.7 (MCS11)	1.68	3.70	5.38	10.0	-4.62
				26	36	12.5/14.7 (MCS11)	2.64	3.70	6.34	10.0	-3.66
	5250	50(L)	ax (160MHz)	52	37	12.5/14.7 (MCS11)	2.09	3.70	5.79	10.0	-4.21
				52	52	12.5/14.7 (MCS11)	2.97	3.70	6.67	10.0	-3.33

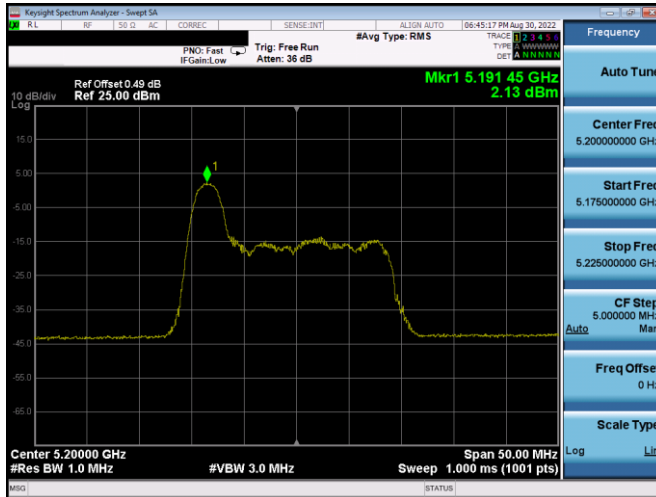
Table 7-107. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF5b (RU26/52)

	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)	242	61	121.9/143.4 (MCS11)	0.45	3.70	4.15	10.0	-5.85
	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	0.98	3.70	4.68	10.0	-5.32
	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	1.16	3.70	4.86	10.0	-5.14
	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-4.53	3.70	-0.83	10.0	-10.83
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	1.28	3.70	4.98	10.0	-5.02
	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-8.21	3.70	-4.51	10.0	-14.51
	5250	50	ax (160MHz)	996x2	68	510.4/600.5 (MCS11)	-12.13	3.70	-8.43	10.0	-18.43

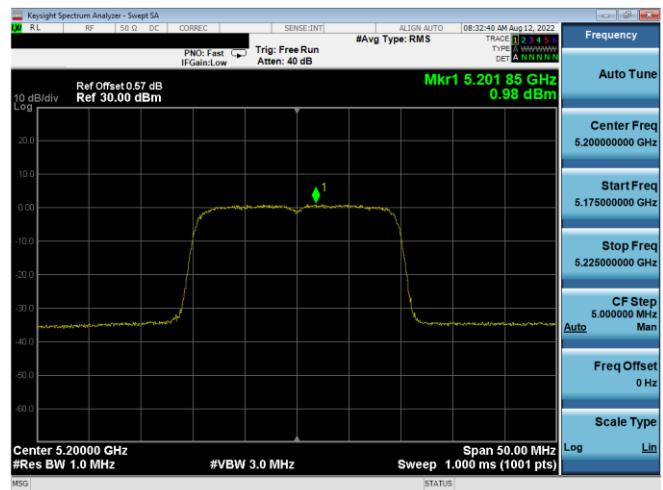
Table 7-108. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF5b (Fully-loaded RU)

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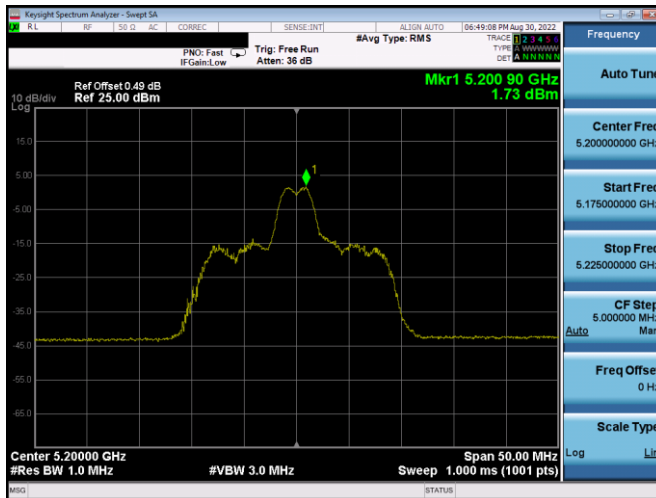
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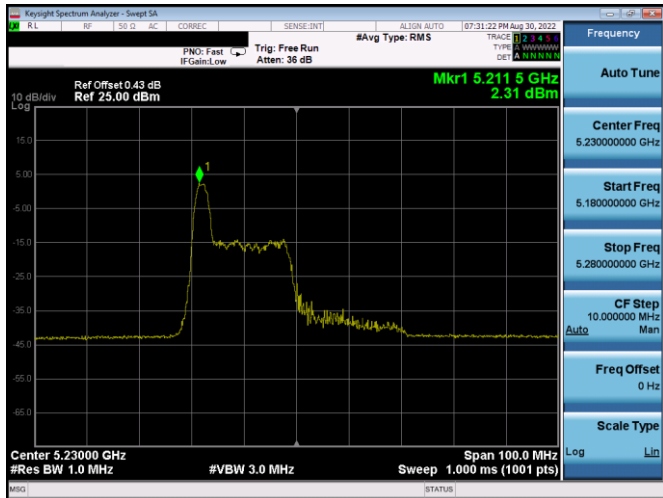
Plot 7-169. ISSED PSD Antenna WF5b (20MHz BW 11ax Index 0 - RU26 - Ch.40)



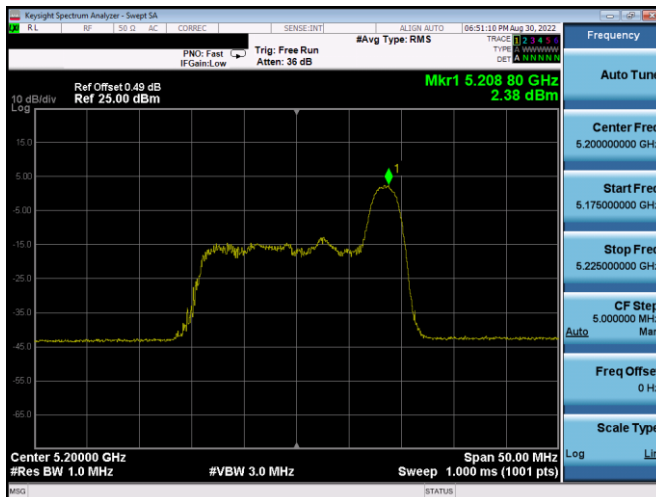
Plot 7-172. ISSED PSD Antenna WF5b (20MHz BW 11ax- RU242 - Ch.40)



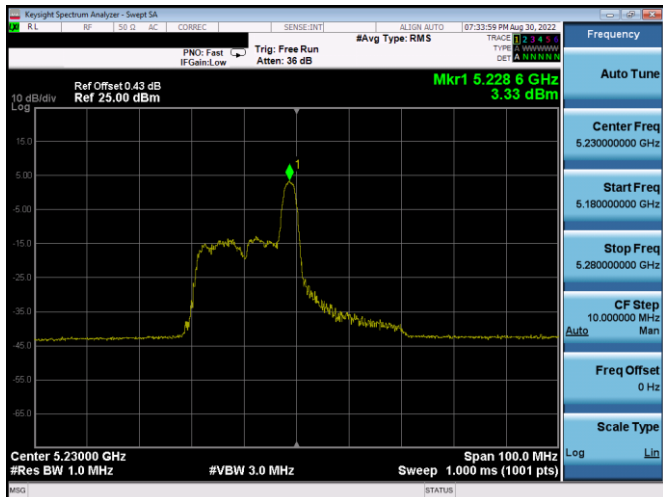
Plot 7-170. ISSED PSD Antenna WF5b (20MHz BW 11ax Index 4 - RU26 - Ch.40)



Plot 7-173. ISSED PSD Antenna WF5b (40MHz BW 11ax Index 0 - RU26 - Ch.46)



Plot 7-171. ISSED PSD Antenna WF5b (20MHz BW 11ax Index 8- RU26 - Ch.40)



Plot 7-174. ISSED PSD Antenna WF5b (40MHz BW 11ax Index 8 - RU26 - Ch.46)

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