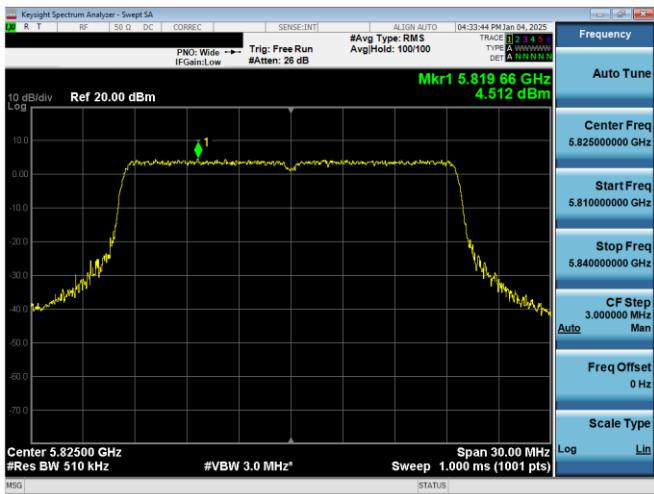




Plot 7-11. PSD Antenna WF7a (80MHz BW 11ax Index 8 – RU26 – Ch.151)



Plot 7-12. PSD Antenna WF7a (20MHz BW 11ax– RU242 – Ch.165)

FCC ID: BCGA3354 IC: 579C-A3354	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 70 of 172

	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)	3.52	4.10	7.62	10.0	-2.38
				26	4	12.5/14.7 (MCS11)	2.82	4.10	6.92	10.0	-3.08
				26	8	12.5/14.7 (MCS11)	3.51	4.10	7.61	10.0	-2.40
	5200	40	ax (20MHz)	26	0	12.5/14.7 (MCS11)	3.54	4.10	7.64	10.0	-2.37
				26	4	12.5/14.7 (MCS11)	2.77	4.10	6.87	10.0	-3.13
				26	8	12.5/14.7 (MCS11)	3.65	4.10	7.75	10.0	-2.25
	5240	48	ax (20MHz)	26	0	12.5/14.7 (MCS11)	3.51	4.10	7.61	10.0	-2.39
				26	4	12.5/14.7 (MCS11)	2.38	4.10	6.48	10.0	-3.52
				26	8	12.5/14.7 (MCS11)	3.55	4.10	7.65	10.0	-2.35
	5190	38	ax (40MHz)	26	0	12.5/14.7 (MCS11)	3.43	4.10	7.53	10.0	-2.48
				26	8	12.5/14.7 (MCS11)	3.27	4.10	7.37	10.0	-2.63
				26	17	12.5/14.7 (MCS11)	3.69	4.10	7.79	10.0	-2.21
	5230	46	ax (40MHz)	26	0	12.5/14.7 (MCS11)	3.31	4.10	7.41	10.0	-2.59
				26	8	12.5/14.7 (MCS11)	3.72	4.10	7.82	10.0	-2.18
				26	17	12.5/14.7 (MCS11)	3.32	4.10	7.42	10.0	-2.58
	5210	42	ax (80MHz)	26	0	12.5/14.7 (MCS11)	2.96	4.10	7.06	10.0	-2.94
				26	18	12.5/14.7 (MCS11)	2.84	4.10	6.94	10.0	-3.06
				26	36	12.5/14.7 (MCS11)	3.14	4.10	7.24	10.0	-2.76

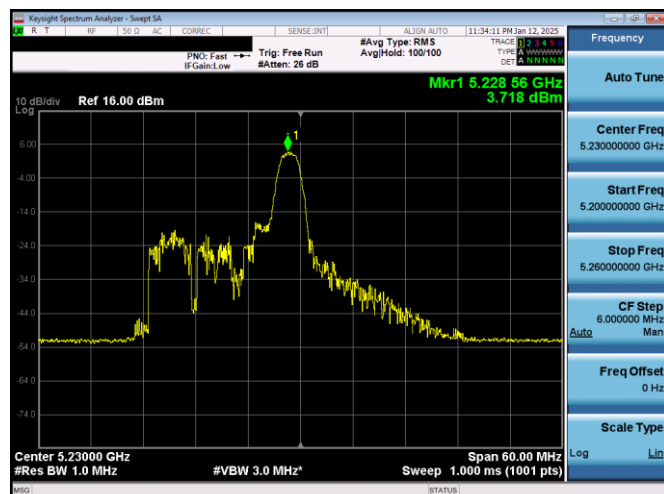
Table 7-89. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF7a (RU26/52)

	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)	3.58	4.10	7.68	10.0	-2.32
	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	4.42	4.10	8.52	10.0	-1.48
	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	3.54	4.10	7.64	10.0	-2.36
	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-0.16	4.10	3.94	10.0	-6.06
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	2.97	4.10	7.07	10.0	-2.93
	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-5.64	4.10	-1.54	10.0	-11.54

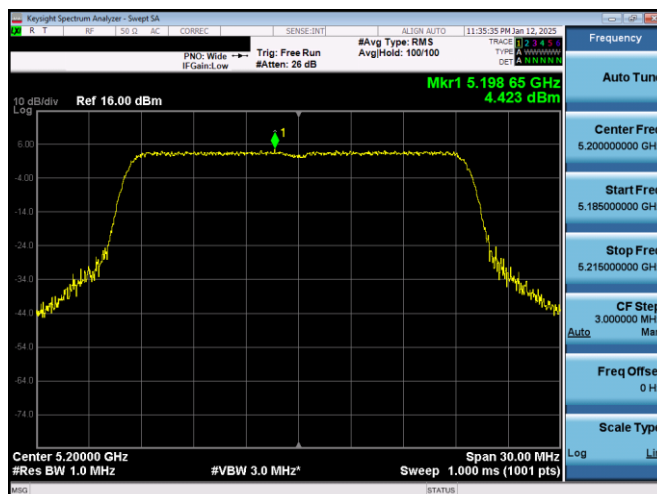
Table 7-90. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF7a (Fully-loaded RU)

FCC ID: BCGA3354 IC: 579C-A3354	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 71 of 172

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Plot 7-13. PSD Antenna WF7a (40MHz BW 11ax Index 8 – RU26 – Ch.46)



Plot 7-14. PSD Antenna WF7a (20MHz BW 11ax– RU242 – Ch.48)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 72 of 172

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7.5.2 Antenna WF8 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)	7.24	11.0	-3.76
				26	4	12.5/14.7 (MCS11)	6.44	11.0	-4.56
				26	8	12.5/14.7 (MCS11)	7.37	11.0	-3.63
	5200	40	ax (20MHz)	26	0	12.5/14.7 (MCS11)	6.62	11.0	-4.38
				26	4	12.5/14.7 (MCS11)	5.45	11.0	-5.55
				26	8	12.5/14.7 (MCS11)	6.35	11.0	-4.66
	5240	48	ax (20MHz)	26	0	12.5/14.7 (MCS11)	7.73	11.0	-3.27
				26	4	12.5/14.7 (MCS11)	6.18	11.0	-4.82
				26	8	12.5/14.7 (MCS11)	6.36	11.0	-4.65
	5190	38	ax (40MHz)	26	0	12.5/14.7 (MCS11)	6.40	11.0	-4.60
				26	8	12.5/14.7 (MCS11)	7.37	11.0	-3.63
				26	17	12.5/14.7 (MCS11)	7.17	11.0	-3.83
	5230	46	ax (40MHz)	26	0	12.5/14.7 (MCS11)	8.14	11.0	-2.86
				26	8	12.5/14.7 (MCS11)	7.97	11.0	-3.03
				26	17	12.5/14.7 (MCS11)	6.79	11.0	-4.21
	5210	42	ax (80MHz)	26	0	12.5/14.7 (MCS11)	7.31	11.0	-3.69
				26	18	12.5/14.7 (MCS11)	5.68	11.0	-5.32
				26	36	12.5/14.7 (MCS11)	7.13	11.0	-3.87

Table 7-91. Bands 1 Power Spectral Density Measurements Antenna WF8 (RU26)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 73 of 172

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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)	5.74	11.0	-5.26
				52	38	25/29.4 (MCS11)	5.48	11.0	-5.52
				52	40	25/29.4 (MCS11)	4.79	11.0	-6.21
	5280	60	ax (20MHz)	52	37	25/29.4 (MCS11)	4.82	11.0	-6.18
				52	38	25/29.4 (MCS11)	4.75	11.0	-6.25
				52	40	25/29.4 (MCS11)	4.73	11.0	-6.27
	5320	64	ax (20MHz)	52	37	25/29.4 (MCS11)	4.87	11.0	-6.13
				52	38	25/29.4 (MCS11)	4.78	11.0	-6.23
				52	40	25/29.4 (MCS11)	4.63	11.0	-6.37
	5270	54	ax (40MHz)	52	37	25/29.4 (MCS11)	6.38	11.0	-4.62
				52	40	25/29.4 (MCS11)	6.19	11.0	-4.81
				52	44	25/29.4 (MCS11)	5.39	11.0	-5.61
	5310	62	ax (40MHz)	52	37	25/29.4 (MCS11)	5.51	11.0	-5.50
				52	40	25/29.4 (MCS11)	6.06	11.0	-4.95
				52	44	25/29.4 (MCS11)	5.23	11.0	-5.77
	5290	58	ax (80MHz)	52	37	25/29.4 (MCS11)	5.56	11.0	-5.44
				52	44	25/29.4 (MCS11)	5.51	11.0	-5.49
				52	52	25/29.4 (MCS11)	3.76	11.0	-7.24
Band 2C	5500	100	ax (20MHz)	52	37	25/29.4 (MCS11)	5.59	11.0	-5.41
				52	38	25/29.4 (MCS11)	5.43	11.0	-5.57
				52	40	25/29.4 (MCS11)	5.34	11.0	-5.66
	5580	116	ax (20MHz)	52	37	25/29.4 (MCS11)	5.21	11.0	-5.79
				52	38	25/29.4 (MCS11)	4.98	11.0	-6.02
				52	40	25/29.4 (MCS11)	5.36	11.0	-5.64
	5720	144	ax (20MHz)	52	37	25/29.4 (MCS11)	5.18	11.0	-5.82
				52	38	25/29.4 (MCS11)	5.03	11.0	-5.97
				52	40	25/29.4 (MCS11)	4.97	11.0	-6.03
	5510	102	ax (40MHz)	52	37	25/29.4 (MCS11)	6.46	11.0	-4.54
				52	40	25/29.4 (MCS11)	5.89	11.0	-5.11
				52	44	25/29.4 (MCS11)	5.95	11.0	-5.05
	5550	110	ax (40MHz)	52	37	25/29.4 (MCS11)	5.93	11.0	-5.07
				52	40	25/29.4 (MCS11)	5.21	11.0	-5.79
				52	44	25/29.4 (MCS11)	5.58	11.0	-5.42
	*5590	118	ax (40MHz)	52	37	25/29.4 (MCS11)	5.67	11.0	-5.33
				52	40	25/29.4 (MCS11)	5.14	11.0	-5.86
				52	44	25/29.4 (MCS11)	5.35	11.0	-5.65
	5670	134	ax (40MHz)	52	37	25/29.4 (MCS11)	4.25	11.0	-6.75
				52	40	25/29.4 (MCS11)	5.15	11.0	-5.85
				52	44	25/29.4 (MCS11)	5.35	11.0	-5.66
	5710	142	ax (40MHz)	52	37	25/29.4 (MCS11)	5.21	11.0	-5.79
				52	40	25/29.4 (MCS11)	5.41	11.0	-5.59
				52	44	25/29.4 (MCS11)	5.53	11.0	-5.47
	5530	106	ax (80MHz)	52	37	25/29.4 (MCS11)	4.30	11.0	-6.70
				52	44	25/29.4 (MCS11)	4.88	11.0	-6.12
				52	52	25/29.4 (MCS11)	3.76	11.0	-7.24
	*5610	122	ax (80MHz)	52	37	25/29.4 (MCS11)	5.56	11.0	-5.44
				52	44	25/29.4 (MCS11)	4.84	11.0	-6.16
				52	52	25/29.4 (MCS11)	4.35	11.0	-6.65
	5690	138	ax (80MHz)	52	37	25/29.4 (MCS11)	4.96	11.0	-6.04
				52	44	25/29.4 (MCS11)	5.08	11.0	-5.92
				52	52	25/29.4 (MCS11)	5.23	11.0	-5.77

Table 7-92. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF8 (RU52)

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

FCC ID: BCGA3354 IC: 579C-A3354	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 74 of 172

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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)	2.87	11.0	-8.13
	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.29	11.0	-4.71
	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	7.11	11.0	-3.89
	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-0.37	11.0	-11.37
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	3.96	11.0	-7.04
Band 2A	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-5.67	11.0	-16.67
	5260	52	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.79	11.0	-4.21
	5280	60	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.43	11.0	-4.57
	5320	64	ax (20MHz)	242	61	121.9/143.4 (MCS11)	3.00	11.0	-8.00
	5270	54	ax (40MHz)	484	65	243.8/286.8 (MCS11)	3.24	11.0	-7.76
Band 2C	5310	62	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-2.09	11.0	-13.09
	5290	58	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-7.25	11.0	-18.25
	5500	100	ax (20MHz)	242	61	121.9/143.4 (MCS11)	2.61	11.0	-8.39
	5580	116	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.92	11.0	-4.08
	5720	144	ax (20MHz)	242	61	121.9/143.4 (MCS11)	6.86	11.0	-4.14
	5510	102	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-1.86	11.0	-12.86
	5550	110	ax (40MHz)	484	65	243.8/286.8 (MCS11)	2.22	11.0	-8.78
	*5590	118	ax (40MHz)	484	65	243.8/286.8 (MCS11)	4.33	11.0	-6.67
	5710	142	ax (40MHz)	484	65	243.8/286.8 (MCS11)	4.57	11.0	-6.43
	5530	106	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-7.32	11.0	-18.32
	*5610	122	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-2.31	11.0	-13.31
	5690	138	ax (80MHz)	996	67	510.4/600.5 (MCS11)	1.36	11.0	-9.64

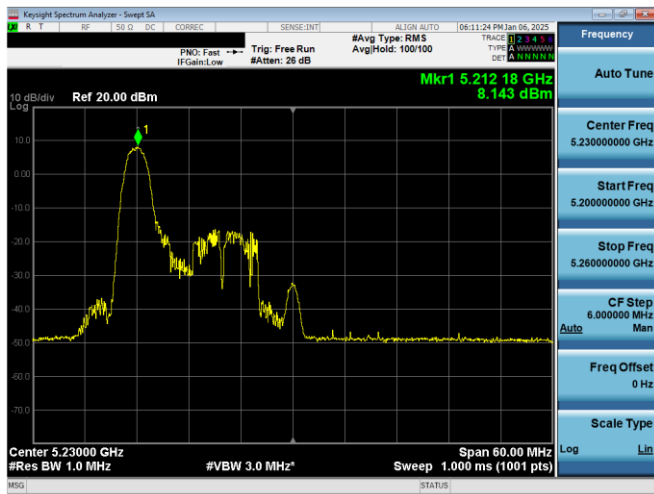
Table 7-93. Bands 1, 2A, 2C Power Spectral Density Measurements Antenna WF8 (Fully-loaded RU)

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

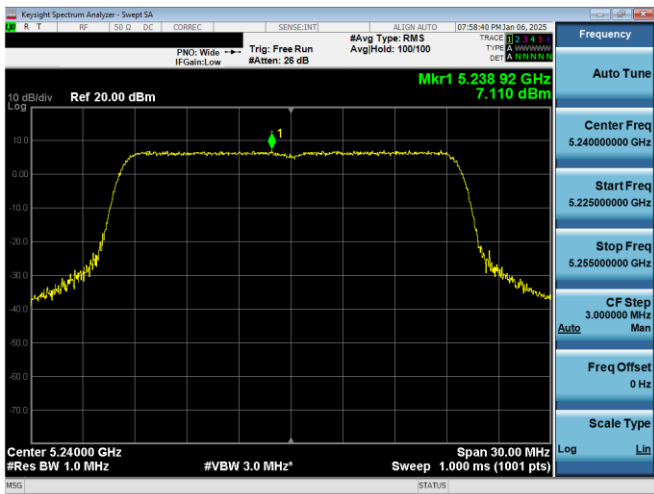
FCC ID: BCGA3354 IC: 579C-A3354	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 75 of 172

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Plot 7-15. PSD Antenna WF8 (80MHz BW 11ax Index0 – RU26 – Ch.46)



Plot 7-16. PSD Antenna WF8 (20MHz BW 11ax– RU242 – Ch.48)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 76 of 172

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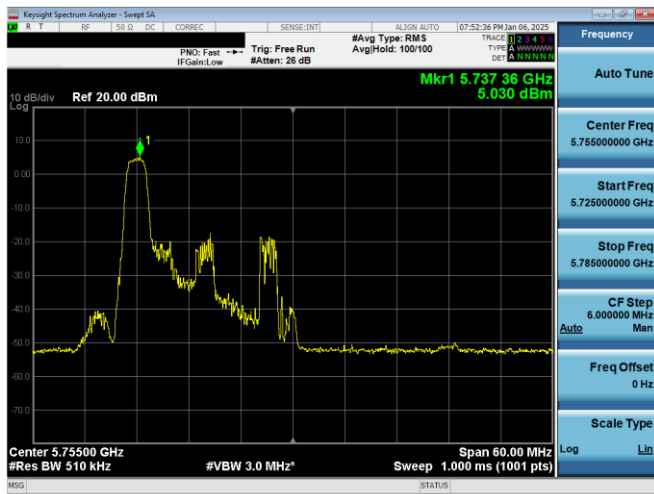
	Frequency [MHz]	Channel No.	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	26	0	12.5/14.7 (MCS11)	4.43	30.0	-25.57
				26	4	12.5/14.7 (MCS11)	3.95	30.0	-26.06
				26	8	12.5/14.7 (MCS11)	4.61	30.0	-25.40
	5785	157	ax (20MHz)	26	0	12.5/14.7 (MCS11)	4.17	30.0	-25.83
				26	4	12.5/14.7 (MCS11)	3.65	30.0	-26.35
				26	8	12.5/14.7 (MCS11)	4.28	30.0	-25.72
	5825	165	ax (20MHz)	26	0	12.5/14.7 (MCS11)	4.17	30.0	-25.83
				26	4	12.5/14.7 (MCS11)	4.02	30.0	-25.98
				26	8	12.5/14.7 (MCS11)	4.46	30.0	-25.54
	5755	151	ax (40MHz)	26	0	12.5/14.7 (MCS11)	5.03	30.0	-24.97
				26	8	12.5/14.7 (MCS11)	4.47	30.0	-25.53
				26	17	12.5/14.7 (MCS11)	4.75	30.0	-25.25
	5795	159	ax (40MHz)	26	0	12.5/14.7 (MCS11)	4.78	30.0	-25.22
				26	8	12.5/14.7 (MCS11)	4.42	30.0	-25.58
				26	17	12.5/14.7 (MCS11)	4.69	30.0	-25.31
	5775	155	ax (80MHz)	26	0	12.5/14.7 (MCS11)	5.00	30.0	-25.00
				26	18	12.5/14.7 (MCS11)	4.10	30.0	-25.90
				26	36	12.5/14.7 (MCS11)	4.26	30.0	-25.74

Table 7-94. Band 3 Power Spectral Density Measurements Antenna WF8 (RU26)

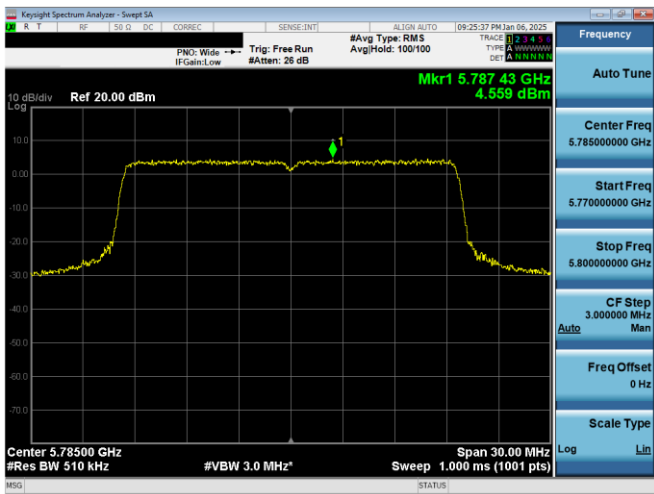
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	242	61	121.9/143.4 (MCS11)	4.18	30.0	-25.82
	5785	157	ax (20MHz)	242	61	121.9/143.4 (MCS11)	4.56	30.0	-25.44
	5825	165	ax (20MHz)	242	61	121.9/143.4 (MCS11)	4.06	30.0	-25.94
	5755	151	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-0.33	30.0	-30.33
	5795	159	ax (40MHz)	484	65	243.8/286.8 (MCS11)	0.86	30.0	-29.14
	5775	155	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-5.59	30.0	-35.59

Table 7-95. Band 3 Power Spectral Density Measurements Antenna WF8 (Fully-loaded RU)

FCC ID: BCGA3354 IC: 579C-A3354	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 77 of 172



Plot 7-17. PSD Antenna WF8 (40MHz BW 11ax Index 17 – RU26 – Ch.151)



Plot 7-18. PSD Antenna WF8 (20MHz BW 11ax– RU242 – Ch.157)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 78 of 172

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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)	3.81	3.40	7.21	10.0	-2.79
				26	4	12.5/14.7 (MCS11)	2.90	3.40	6.30	10.0	-3.71
				26	8	12.5/14.7 (MCS11)	3.45	3.40	6.85	10.0	-3.15
	5200	40	ax (20MHz)	26	0	12.5/14.7 (MCS11)	3.38	3.40	6.78	10.0	-3.22
				26	4	12.5/14.7 (MCS11)	2.75	3.40	6.15	10.0	-3.85
				26	8	12.5/14.7 (MCS11)	3.09	3.40	6.49	10.0	-3.51
	5240	48	ax (20MHz)	26	0	12.5/14.7 (MCS11)	4.12	3.40	7.52	10.0	-2.49
				26	4	12.5/14.7 (MCS11)	2.59	3.40	5.99	10.0	-4.01
				26	8	12.5/14.7 (MCS11)	3.23	3.40	6.63	10.0	-3.37
	5190	38	ax (40MHz)	26	0	12.5/14.7 (MCS11)	3.18	3.40	6.58	10.0	-3.42
				26	8	12.5/14.7 (MCS11)	3.54	3.40	6.94	10.0	-3.06
				26	17	12.5/14.7 (MCS11)	3.71	3.40	7.11	10.0	-2.89
	5230	46	ax (40MHz)	26	0	12.5/14.7 (MCS11)	3.53	3.40	6.93	10.0	-3.07
				26	8	12.5/14.7 (MCS11)	3.66	3.40	7.06	10.0	-2.94
				26	17	12.5/14.7 (MCS11)	3.26	3.40	6.66	10.0	-3.34
	5210	42	ax (80MHz)	26	0	12.5/14.7 (MCS11)	3.83	3.40	7.23	10.0	-2.77
				26	18	12.5/14.7 (MCS11)	2.51	3.40	5.91	10.0	-4.09
				26	36	12.5/14.7 (MCS11)	3.59	3.40	6.99	10.0	-3.01

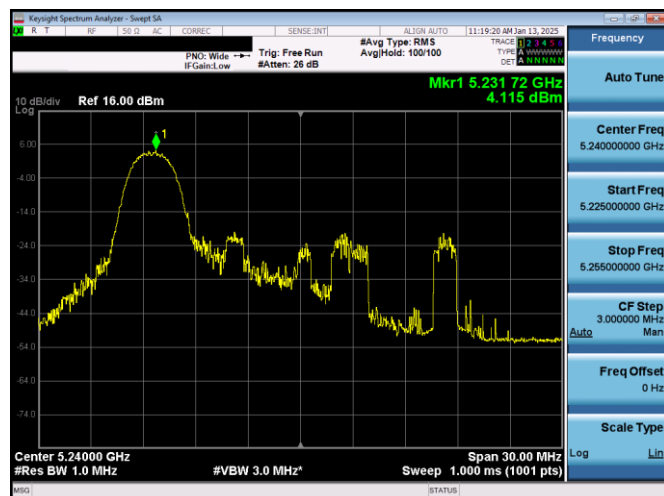
Table 7-96. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF8 (RU26/52)

	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)	3.86	3.40	7.26	10.0	-2.74
	5200	40	ax (20MHz)	242	61	121.9/143.4 (MCS11)	4.12	3.40	7.52	10.0	-2.48
	5240	48	ax (20MHz)	242	61	121.9/143.4 (MCS11)	3.77	3.40	7.17	10.0	-2.83
	5190	38	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-0.36	3.40	3.04	10.0	-6.96
	5230	46	ax (40MHz)	484	65	243.8/286.8 (MCS11)	3.43	3.40	6.83	10.0	-3.17
	5210	42	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-5.92	3.40	-2.52	10.0	-12.52

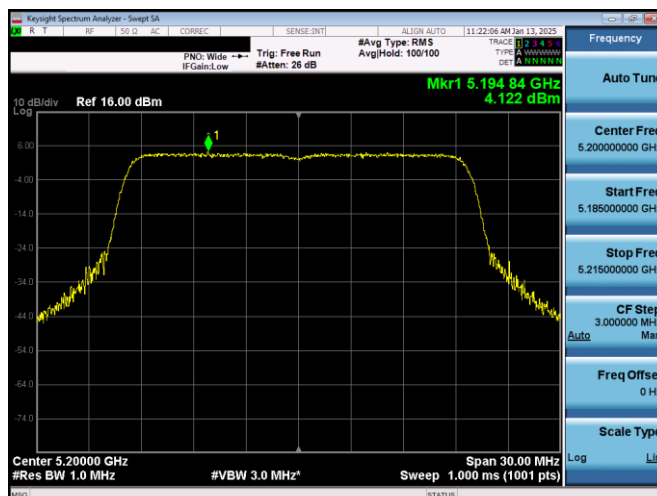
Table 7-97. ISED Band 1 e.i.r.p. Power Spectral Density Measurements Antenna WF8 (Fully-loaded RU)

FCC ID: BCGA3354 IC: 579C-A3354	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 79 of 172

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Plot 7-19. PSD Antenna WF8 (160MHz BW 11ax Index 52 – RU52 – Ch.48)



Plot 7-20. PSD Antenna WF8 (20MHz BW 11ax– RU242 – Ch.40)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 80 of 172

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7.5.3 Summed CDD/SDM Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 MODE	Mode	RU Size	RU Index	Data Rate [Mbps]	Antenna WF8 Power Density [dBm/MHz]	Antenna WF7a Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	CDD	26	0	25/29.4 (MCS11)	5.83	4.83	8.37	11.0	-2.63
					26	4	25/29.4 (MCS11)	4.94	4.05	7.53	11.0	-3.47
					26	8	25/29.4 (MCS11)	5.43	4.96	8.21	11.0	-2.79
	5200	40	ax (20MHz)	CDD	26	0	25/29.4 (MCS11)	6.07	4.98	8.57	11.0	-2.43
					26	4	25/29.4 (MCS11)	5.22	4.34	7.81	11.0	-3.19
					26	8	25/29.4 (MCS11)	5.60	4.76	8.21	11.0	-2.79
	5240	48	ax (20MHz)	CDD	26	0	25/29.4 (MCS11)	5.57	4.80	8.21	11.0	-2.79
					26	4	25/29.4 (MCS11)	4.50	3.66	7.11	11.0	-3.89
					26	8	25/29.4 (MCS11)	5.46	4.76	8.13	11.0	-2.87
	5190	38	ax (40MHz)	CDD	26	0	25/29.4 (MCS11)	5.69	5.19	8.46	11.0	-2.54
					26	8	25/29.4 (MCS11)	5.91	5.93	8.93	11.0	-2.07
					26	17	25/29.4 (MCS11)	6.06	5.66	8.87	11.0	-2.13
	5230	46	ax (40MHz)	CDD	26	0	25/29.4 (MCS11)	6.68	6.37	9.53	11.0	-1.47
					26	8	25/29.4 (MCS11)	6.37	5.86	9.14	11.0	-1.86
					26	17	25/29.4 (MCS11)	6.26	5.49	8.90	11.0	-2.10
	5210	42	ax (80MHz)	CDD	26	0	25/29.4 (MCS11)	6.21	5.38	8.82	11.0	-2.18
					26	18	25/29.4 (MCS11)	4.49	4.17	7.34	11.0	-3.66
					26	36	25/29.4 (MCS11)	5.82	5.08	8.48	11.0	-2.52

Table 7-98. Bands 1 Power Spectral Density Measurements CDD (RU26)

FCC ID: BCGA3354 IC: 579C-A3354	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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	Frequency [MHz]	Channel No.	802.11 MODE	Mode	RU Size	RU Index	Data Rate [Mbps]	Antenna WF8 Power Density [dBm/MHz]	Antenna WF7a Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 2A	5260	52	ax (20MHz)	CDD	52	37	50/58.8 (MCS11)	5.15	5.62	8.40	11.0	-2.60
					52	38	50/58.8 (MCS11)	5.02	4.65	7.85	11.0	-3.15
					52	40	50/58.8 (MCS11)	4.91	4.71	7.82	11.0	-3.18
	5280	60	ax (20MHz)	CDD	52	37	50/58.8 (MCS11)	5.25	4.93	8.10	11.0	-2.90
					52	38	50/58.8 (MCS11)	5.27	4.96	8.13	11.0	-2.87
					52	40	50/58.8 (MCS11)	4.71	5.00	7.87	11.0	-3.13
	5320	64	ax (20MHz)	CDD	52	37	50/58.8 (MCS11)	5.15	4.82	8.00	11.0	-3.00
					52	38	50/58.8 (MCS11)	5.35	4.70	8.05	11.0	-2.95
					52	40	50/58.8 (MCS11)	5.66	4.69	8.22	11.0	-2.78
	5270	54	ax (40MHz)	CDD	52	37	50/58.8 (MCS11)	5.87	5.58	8.74	11.0	-2.26
					52	40	50/58.8 (MCS11)	5.72	5.17	8.46	11.0	-2.54
					52	44	50/58.8 (MCS11)	5.63	5.43	8.54	11.0	-2.46
	5310	62	ax (40MHz)	CDD	52	37	50/58.8 (MCS11)	5.85	5.82	8.85	11.0	-2.15
					52	40	50/58.8 (MCS11)	5.77	4.96	8.39	11.0	-2.61
					52	44	50/58.8 (MCS11)	5.34	5.63	8.50	11.0	-2.50
	5290	58	ax (80MHz)	CDD	52	37	50/58.8 (MCS11)	3.53	3.23	6.39	11.0	-4.61
					52	44	50/58.8 (MCS11)	3.49	2.98	6.26	11.0	-4.74
					52	52	50/58.8 (MCS11)	3.76	2.95	6.38	11.0	-4.62
Band 2C	5500	100	ax (20MHz)	SDM	52	37	50/58.8 (MCS11)	5.34	5.13	8.25	11.0	-2.75
					52	38	50/58.8 (MCS11)	5.75	4.96	8.38	11.0	-2.62
					52	40	50/58.8 (MCS11)	5.13	4.75	7.95	11.0	-3.05
	5580	116	ax (20MHz)	SDM	52	37	50/58.8 (MCS11)	5.32	4.93	8.14	11.0	-2.86
					52	38	50/58.8 (MCS11)	5.23	4.89	8.08	11.0	-2.92
					52	40	50/58.8 (MCS11)	5.14	4.72	7.94	11.0	-3.06
	5720	144	ax (20MHz)	SDM	52	37	50/58.8 (MCS11)	5.40	5.40	8.41	11.0	-2.59
					52	38	50/58.8 (MCS11)	5.40	5.29	8.35	11.0	-2.65
					52	40	50/58.8 (MCS11)	5.14	4.66	7.92	11.0	-3.08
	5510	102	ax (40MHz)	SDM	52	37	50/58.8 (MCS11)	6.18	5.74	8.97	11.0	-2.03
					52	40	50/58.8 (MCS11)	5.78	5.39	8.60	11.0	-2.40
					52	44	50/58.8 (MCS11)	5.51	4.91	8.23	11.0	-2.77
	5550	110	ax (40MHz)	SDM	52	37	50/58.8 (MCS11)	5.65	5.58	8.62	11.0	-2.38
					52	40	50/58.8 (MCS11)	5.83	5.31	8.59	11.0	-2.41
					52	44	50/58.8 (MCS11)	5.42	5.36	8.40	11.0	-2.60
	*5590	118	ax (40MHz)	SDM	52	37	50/58.8 (MCS11)	5.63	5.01	8.34	11.0	-2.66
					52	40	50/58.8 (MCS11)	5.21	4.91	8.07	11.0	-2.93
					52	44	50/58.8 (MCS11)	5.41	5.02	8.23	11.0	-2.77
	5670	134	ax (40MHz)	SDM	52	37	50/58.8 (MCS11)	5.49	5.15	8.33	11.0	-2.67
					52	40	50/58.8 (MCS11)	5.51	5.58	8.56	11.0	-2.44
					52	44	50/58.8 (MCS11)	6.02	5.48	8.77	11.0	-2.23
	5710	142	ax (40MHz)	SDM	52	37	50/58.8 (MCS11)	5.49	5.48	8.49	11.0	-2.51
					52	40	50/58.8 (MCS11)	5.90	5.70	8.81	11.0	-2.19
					52	44	50/58.8 (MCS11)	5.88	5.42	8.67	11.0	-2.33
	5530	106	ax (80MHz)	SDM	52	37	50/58.8 (MCS11)	2.44	2.33	5.39	11.0	-5.61
					52	44	50/58.8 (MCS11)	2.38	2.39	5.40	11.0	-5.60
					52	52	50/58.8 (MCS11)	2.35	1.89	5.14	11.0	-5.86
	*5610	122	ax (80MHz)	SDM	52	37	50/58.8 (MCS11)	5.71	4.90	8.33	11.0	-2.67
					52	44	50/58.8 (MCS11)	5.45	4.57	8.04	11.0	-2.96
					52	52	50/58.8 (MCS11)	5.61	4.45	8.08	11.0	-2.92
	5690	138	ax (80MHz)	SDM	52	37	50/58.8 (MCS11)	5.49	4.87	8.20	11.0	-2.80
					52	44	50/58.8 (MCS11)	6.06	5.18	8.65	11.0	-2.35
					52	52	50/58.8 (MCS11)	5.89	5.09	8.52	11.0	-2.48

Table 7-99. Bands 1, 2A, 2C Power Spectral Density Measurements CDD/SDM (RU52)

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

FCC ID: BCGA3354 IC: 579C-A3354	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 82 of 172

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	Frequency [MHz]	Channel	802.11 MODE	Mode	RU Size	RU Index	Data Rate [Mbps]	Antenna WF8 Power Density [dBm/MHz]	Antenna WF7a Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Max Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	CDD	242	61	243.8/286.8 (MCS11)	2.96	2.38	5.69	11.0	-5.31
	5200	40	ax (20MHz)	CDD	242	61	243.8/286.8 (MCS11)	5.05	3.81	7.48	11.0	-3.52
	5240	48	ax (20MHz)	CDD	242	61	243.8/286.8 (MCS11)	5.83	5.76	8.81	11.0	-2.19
	5190	38	ax (40MHz)	CDD	484	65	487.5/573.5 (MCS11)	-2.02	-3.01	0.52	11.0	-10.48
	5230	46	ax (40MHz)	CDD	484	65	487.5/573.5 (MCS11)	3.09	2.64	5.88	11.0	-5.12
	5210	42	ax (80MHz)	CDD	996	67	1020.8/1201 (MCS11)	-17.16	-17.75	-14.43	11.0	-25.43
Band 2A	5260	52	ax (20MHz)	CDD	242	61	243.8/286.8 (MCS11)	5.61	6.13	8.88	11.0	-2.12
	5280	60	ax (20MHz)	CDD	242	61	243.8/286.8 (MCS11)	5.51	4.88	8.21	11.0	-2.79
	5320	64	ax (20MHz)	CDD	242	61	243.8/286.8 (MCS11)	1.82	1.54	4.70	11.0	-6.30
	5270	54	ax (40MHz)	CDD	484	65	487.5/573.5 (MCS11)	2.39	2.01	5.21	11.0	-5.79
	5310	62	ax (40MHz)	CDD	484	65	487.5/573.5 (MCS11)	-2.59	-2.82	0.30	11.0	-10.70
	5290	58	ax (80MHz)	CDD	996	67	1020.8/1201 (MCS11)	-17.42	-17.76	-14.58	11.0	-25.58
Band 2C	5500	100	ax (20MHz)	CDD	242	61	243.8/286.8 (MCS11)	3.09	1.94	5.56	11.0	-5.44
	5580	116	ax (20MHz)	SDM	242	61	243.8/286.8 (MCS11)	5.98	5.89	8.95	11.0	-2.05
	5720	144	ax (20MHz)	SDM	242	61	243.8/286.8 (MCS11)	6.01	6.01	9.02	11.0	-1.98
	5510	102	ax (40MHz)	CDD	484	65	487.5/573.5 (MCS11)	-3.53	-3.93	-0.72	11.0	-11.72
	5550	110	ax (40MHz)	CDD	484	65	487.5/573.5 (MCS11)	1.59	1.33	4.47	11.0	-6.53
	*5590	118	ax (40MHz)	SDM	484	65	487.5/573.5 (MCS11)	3.59	2.08	5.91	11.0	-5.09
	5710	142	ax (40MHz)	SDM	484	65	487.5/573.5 (MCS11)	4.62	4.40	7.52	11.0	-3.48
	5530	106	ax (80MHz)	CDD	996	67	1020.8/1201 (MCS11)	-17.61	-17.71	-14.65	11.0	-25.65
	*5610	122	ax (80MHz)	CDD	996	67	1020.8/1201 (MCS11)	-17.57	-18.14	-14.84	11.0	-25.84
	5690	138	ax (80MHz)	CDD	996	67	1020.8/1201 (MCS11)	-17.74	-18.32	-15.01	11.0	-26.01

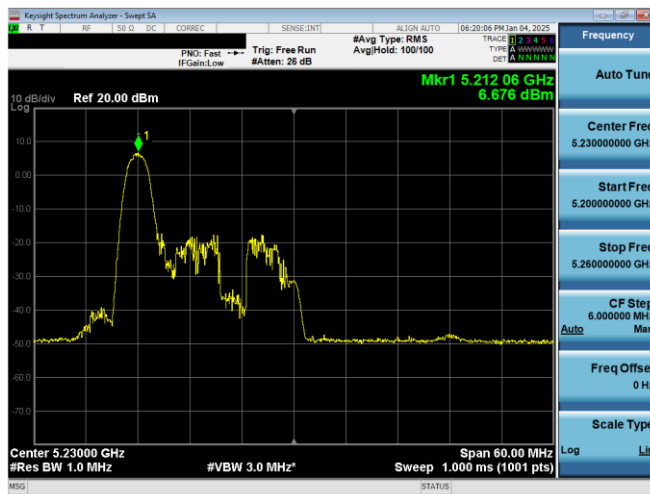
Table 7-100. Bands 1, 2A, 2C Power Spectral Density Measurements CDD/SDM (Fully-loaded RU)

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

FCC ID: BCGA3354 IC: 579C-A3354	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 83 of 172

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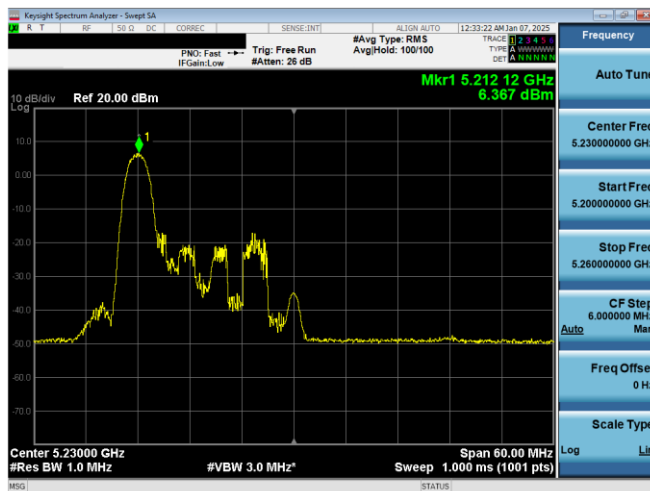
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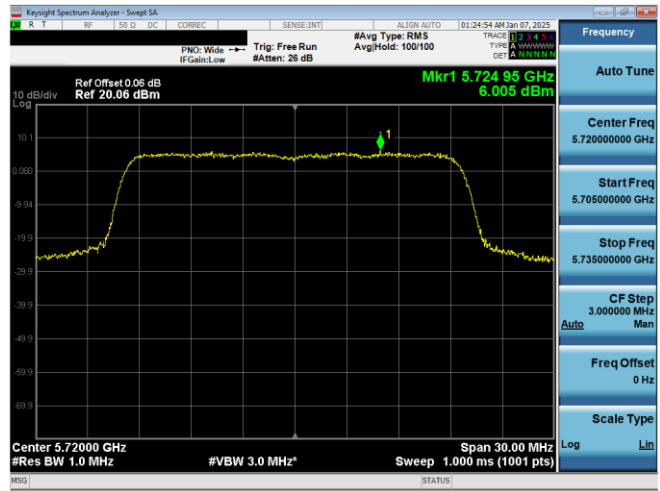
Plot 7-21. PSD SDM Antenna WF7a (20MHz BW 11ax Index 0 - RU26 - Ch.46)



Plot 7-23. PSD SDM Antenna WF7a (20MHz BW 11ax- RU242 - Ch.144)



Plot 7-22. PSD SDM Antenna WF8 (40MHz BW 11ax Index 0 - RU26 - Ch.46)



Plot 7-24. PSD SDM Antenna WF8 (20MHz BW 11ax- RU242 - Ch.144)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	Frequency [MHz]	Channel No.	802.11 MODE	Mode	RU Size	RU Index	Data Rate [Mbps]	Antenna WF8 Power Density [dBm/500kHz]	Antenna WF7a Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	CDD	26	0	25/29.4 (MCS11)	4.84	4.16	7.52	30.0	-22.48
					26	4	25/29.4 (MCS11)	4.59	3.68	7.17	30.0	-22.83
					26	8	25/29.4 (MCS11)	4.56	4.32	7.45	30.0	-22.55
	5785	157	ax (20MHz)	CDD	26	0	25/29.4 (MCS11)	3.92	3.33	6.64	30.0	-23.36
					26	4	25/29.4 (MCS11)	4.42	3.44	6.97	30.0	-23.03
					26	8	25/29.4 (MCS11)	4.13	3.74	6.95	30.0	-23.05
	5825	165	ax (20MHz)	CDD	26	0	25/29.4 (MCS11)	4.21	4.72	7.48	30.0	-22.52
					26	4	25/29.4 (MCS11)	4.43	4.12	7.29	30.0	-22.71
					26	8	25/29.4 (MCS11)	4.72	4.39	7.57	30.0	-22.43
	5755	151	ax (40MHz)	CDD	26	0	25/29.4 (MCS11)	5.02	1.63	6.66	30.0	-23.34
					26	8	25/29.4 (MCS11)	5.27	4.40	7.87	30.0	-22.13
					26	17	25/29.4 (MCS11)	4.38	4.51	7.45	30.0	-22.55
	5795	159	ax (40MHz)	CDD	26	0	25/29.4 (MCS11)	4.60	4.11	7.37	30.0	-22.63
					26	8	25/29.4 (MCS11)	4.34	3.56	6.97	30.0	-23.03
					26	17	25/29.4 (MCS11)	4.20	4.27	7.25	30.0	-22.75
	5775	155	ax (80MHz)	CDD	26	0	25/29.4 (MCS11)	5.00	3.77	7.44	30.0	-22.56
					26	18	25/29.4 (MCS11)	4.59	3.60	7.13	30.0	-22.87
					26	36	25/29.4 (MCS11)	4.65	3.95	7.32	30.0	-22.68

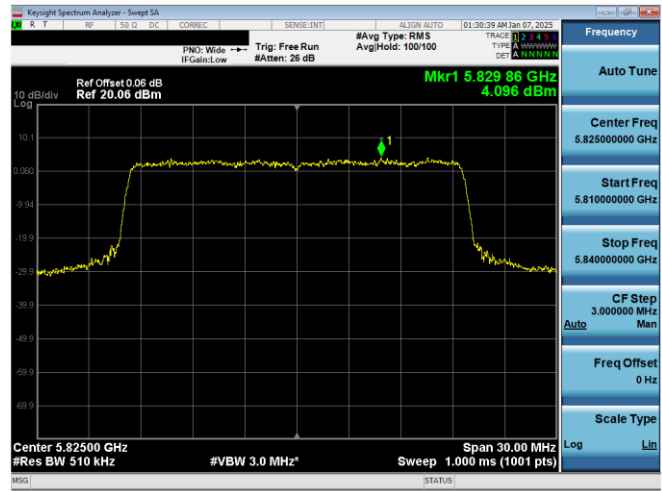
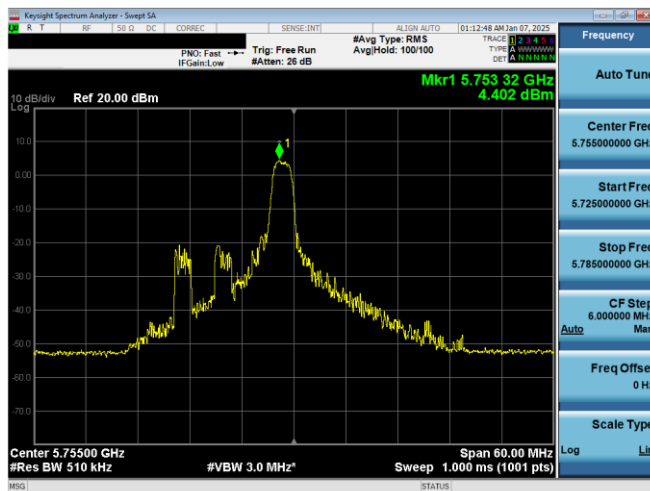
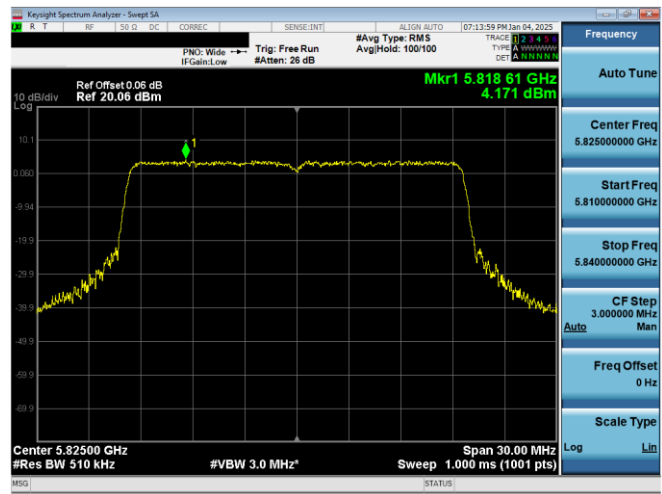
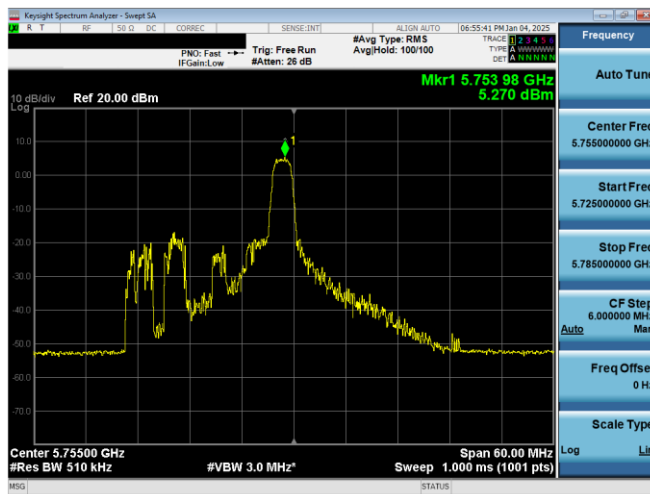
Table 7-101. Band 3 Power Spectral Density Measurements CDD (RU26)

	Frequency [MHz]	Channel	802.11 MODE	Mode	RU Size	RU Index	Data Rate [Mbps]	Antenna WF8 Power Density [dBm/500kHz]	Antenna WF7a Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	ax (20MHz)	CDD	242	61	243.8/286.8 (MCS11)	4.58	3.37	7.03	30.0	-22.97
	5785	157	ax (20MHz)	CDD	242	61	243.8/286.8 (MCS11)	4.08	3.56	6.84	30.0	-23.16
	5825	165	ax (20MHz)	CDD	242	61	243.8/286.8 (MCS11)	4.17	4.10	7.14	30.0	-22.86
	5755	151	ax (40MHz)	CDD	484	65	487.5/573.5 (MCS11)	0.10	0.85	3.50	30.0	-26.50
	5795	159	ax (40MHz)	CDD	484	65	487.5/573.5 (MCS11)	1.10	0.54	3.84	30.0	-26.16
	5775	155	ax (80MHz)	CDD	996	67	1020.8/1201 (MCS11)	-20.75	-21.22	-17.97	30.0	-47.97

Table 7-102. Band 3 Power Spectral Density Measurements CDD (Fully-loaded RU)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	Frequency [MHz]	Channel No.	802.11 MODE	Mode	RU Size	RU Index	Data Rate [Mbps]	Antenna WF7a Power Density [dBm/MHz]	Antenna WF8 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)	1.16	0.94	4.06	3.76	7.82	10.0	-2.18
					26	4	25/29.4 (MCS11)	0.31	-0.11	3.12	3.76	6.88	10.0	-3.12
					26	8	25/29.4 (MCS11)	1.23	0.83	4.04	3.76	7.81	10.0	-2.19
	5200	40	ax (20MHz)	SDM	26	0	25/29.4 (MCS11)	1.55	1.21	4.39	3.76	8.15	10.0	-1.85
					26	4	25/29.4 (MCS11)	0.49	-0.15	3.19	3.76	6.96	10.0	-3.04
					26	8	25/29.4 (MCS11)	1.31	1.38	4.35	3.76	8.12	10.0	-1.88
	5240	48	ax (20MHz)	SDM	26	0	25/29.4 (MCS11)	1.39	0.90	4.17	3.76	7.93	10.0	-2.07
					26	4	25/29.4 (MCS11)	0.42	0.12	3.28	3.76	7.05	10.0	-2.95
					26	8	25/29.4 (MCS11)	1.42	1.40	4.42	3.76	8.18	10.0	-1.82
	5190	38	ax (40MHz)	SDM	26	0	25/29.4 (MCS11)	1.35	1.15	4.26	3.76	8.03	10.0	-1.97
					26	8	25/29.4 (MCS11)	0.97	1.08	4.03	3.76	7.80	10.0	-2.20
					26	17	25/29.4 (MCS11)	1.07	1.54	4.32	3.76	8.09	10.0	-1.91
	5230	46	ax (40MHz)	SDM	26	0	25/29.4 (MCS11)	1.21	0.82	4.03	3.76	7.80	10.0	-2.20
					26	8	25/29.4 (MCS11)	1.31	0.93	4.13	3.76	7.90	10.0	-2.10
					26	17	25/29.4 (MCS11)	1.25	1.10	4.18	3.76	7.95	10.0	-2.05
	5210	42	ax (80MHz)	SDM	26	0	25/29.4 (MCS11)	1.48	0.53	4.04	3.76	7.81	10.0	-2.19
					26	18	25/29.4 (MCS11)	-0.48	-0.35	2.60	3.76	6.36	10.0	-3.64
					26	36	25/29.4 (MCS11)	1.26	0.79	4.04	3.76	7.81	10.0	-2.19

Table 7-103. ISED Band 1 e.i.r.p. Power Spectral Density Measurements SDM (RU26/52)

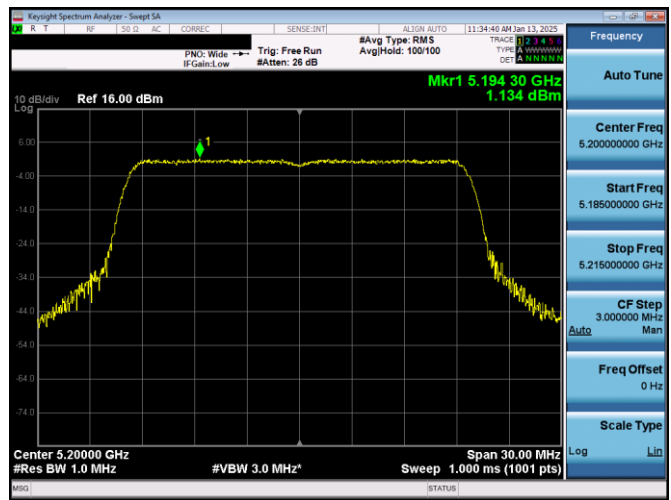
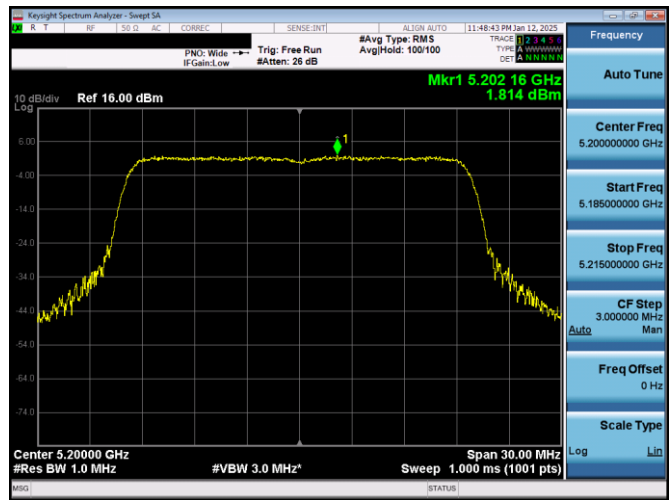
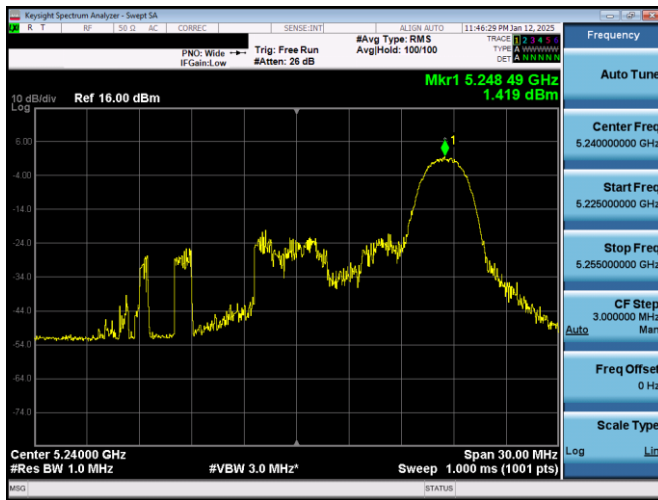
	Frequency [MHz]	Channel	802.11 MODE	Mode	RU Size	RU Index	Data Rate [Mbps]	Antenna WF7a Power Density [dBm/MHz]	Antenna WF8 Power Density [dBm/MHz]	Summed Power Density [dBm/MHz]	Directional Antenna Gain [dBi]	e.i.r.p. Power Density [dBm/MHz]	ISED Max e.i.r.p. Power Density [dBm/MHz]	Margin [dB]
Band 1	5180	36	ax (20MHz)	SDM	242	61	243.8/286.8 (MCS11)	1.70	1.20	4.47	3.76	8.23	10.0	-1.77
	5200	40	ax (20MHz)	SDM	242	61	243.8/286.8 (MCS11)	1.81	1.13	4.50	3.76	8.26	10.0	-1.74
	5240	48	ax (20MHz)	SDM	242	61	243.8/286.8 (MCS11)	1.19	1.60	4.41	3.76	8.17	10.0	-1.83
	5190	38	ax (40MHz)	SDM	484	65	487.5/573.5 (MCS11)	-2.20	-2.72	0.56	3.76	4.33	10.0	-5.67
	5230	46	ax (40MHz)	SDM	484	65	487.5/573.5 (MCS11)	0.34	0.87	3.62	3.76	7.39	10.0	-2.61
	5210	42	ax (80MHz)	SDM	996	67	1020.8/1201 (MCS11)	-7.52	-7.96	-4.72	3.76	-0.96	10.0	-10.96

Table 7-104. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM (Fully-loaded RU)

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Note:

Per ANSI C63.10-2013 Subclause 14.3.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna WF8 and Antenna WF7a 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.

Sample Directional Gain Calculation:

For correlated signals, assuming the antenna gain is 4.10 dBi for Antenna WF7a and 3.40 dBi for Antenna WF8.

$$\begin{aligned} \text{Directional gain} &= 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{4.10/20} + 10^{3.40/20} / 2] \text{ dBi} \\ &= 6.77 \text{ dBi} \end{aligned}$$

For uncorrelated signals, assuming the antenna gain is 4.10 dBi for Antenna WF7a and 3.40 dBi for Antenna WF8.

$$\begin{aligned} \text{Directional gain} &= 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{\text{ANT}}] \text{ dBi} \\ &= 10 \log[(10^{4.10/10} + 10^{3.40/10} / 2] \text{ dBi} \\ &= 3.76 \text{ dBi} \end{aligned}$$

Sample CDD/SDM Calculation:

Assuming the average conducted power spectral density was measured to be 1.16 dBm for Antenna WF7a and 0.94 dBm for Antenna WF8.

$$\text{Antenna WF7a} + \text{Antenna WF8} = \text{CDD/SDM}$$

$$(1.16 \text{ dBm} + 0.94 \text{ dBm}) = (1.31 \text{ mW} + 1.24 \text{ mW}) = 2.55 \text{ mW} = 4.06 \text{ dBm}$$

Sample e.i.r.p Power Spectral Density Calculation:

Assuming the average CDD/SDM power density was calculated to be 4.06 dBm with directional gain of 3.76 dBi.

$$\text{e.i.r.p. Power Spectral Density(dBm)} = \text{Power Spectral Density (dBm)} + \text{directional gain (dBi)}$$

$$4.06 \text{ dBm} + 3.76 \text{ dBi} = 7.82 \text{ dBm}$$

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7.6 Radiated Spurious Emission – Above 1GHz

§15.407(b) §15.205 §15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is 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. All channels, modes (e.g. RU26, 52 Tones, RU106, RU242, RU484, RU996 and RU996x2), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of –27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of –27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-105 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-105. Radiated Limits

Test Procedures Used

ANSI C63.10-2020 – Subclauses 12.7.7, 12.7.6
KDB 789033 D02 v02r01 – Section G

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Test Settings

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span}/\text{RBW}$)
6. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Test Setup

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

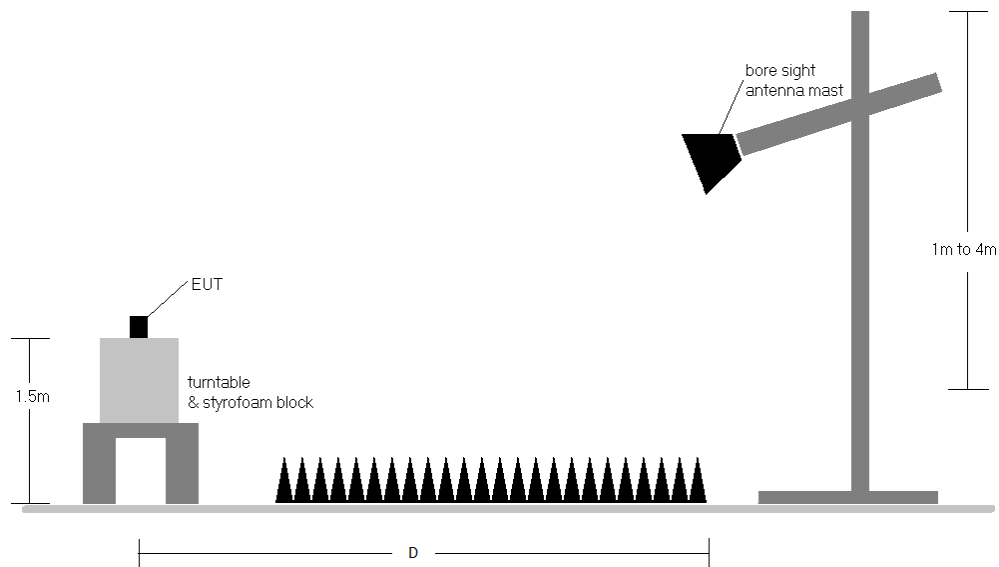


Figure 7-5. Test Instrument & Measurement Setup

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Test Notes

1. All emissions that lie in the restricted bands (denoted by a * next to the frequency) specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-105.
2. All spurious emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-105. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
8. The “-” shown in the following RSE tables are used to denote a noise floor measurement.
9. Per RSS-247 Section 6.2.3, transmission on channels which overlap the 5600-5650 MHz is prohibited. This device operates under these frequencies only under the control of a certified master device and does not support active scanning on these channels. This device does not transmit any beacons or initiate any transmissions in UNII Bands 2A or 2C.
10. For radiated measurements, emissions were investigated for the fully-loaded RU configuration and for all of the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.

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Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level $_{[dB\mu V/m]} = \text{Analyzer Level }_{[dBm]} + 107 + \text{AFCL }_{[dB/m]}$
- $\text{AFCL }_{[dB/m]} = \text{Antenna Factor }_{[dB/m]} + \text{Cable Loss }_{[dB]} - \text{Preamplifier Gain }_{[dB]}$
- $\text{Margin }_{[dB]} = \text{Field Strength Level }_{[dB\mu V/m]} - \text{Limit }_{[dB\mu V/m]}$

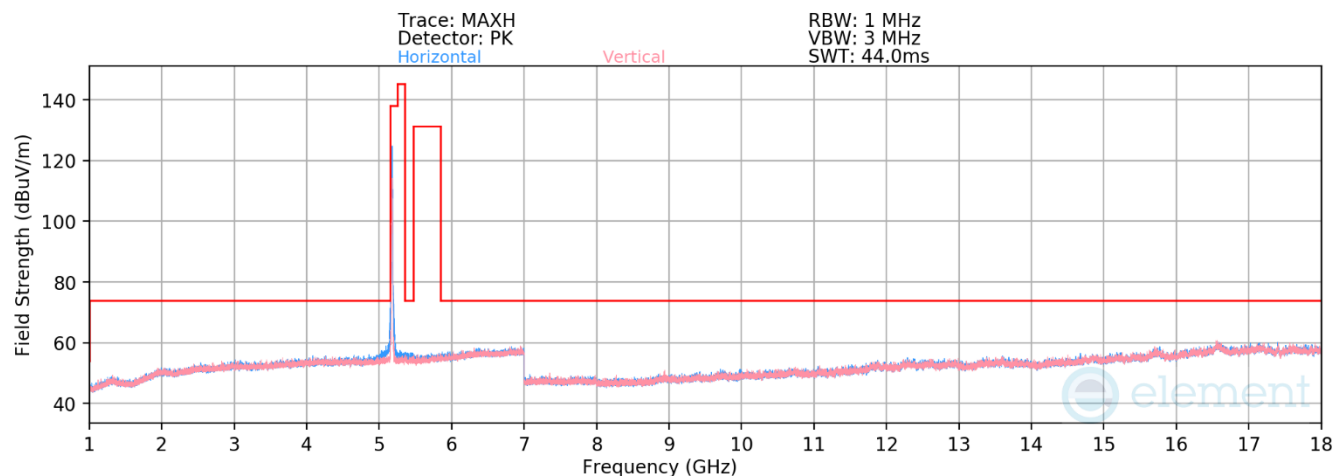
Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.6.2 to 7.6.10 was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

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7.6.1 CDD/SDM Radiated Spurious Emissions RU26



Plot 7-33. RSE above 1GHz SDM (11ax – Ch.36 – RU26)

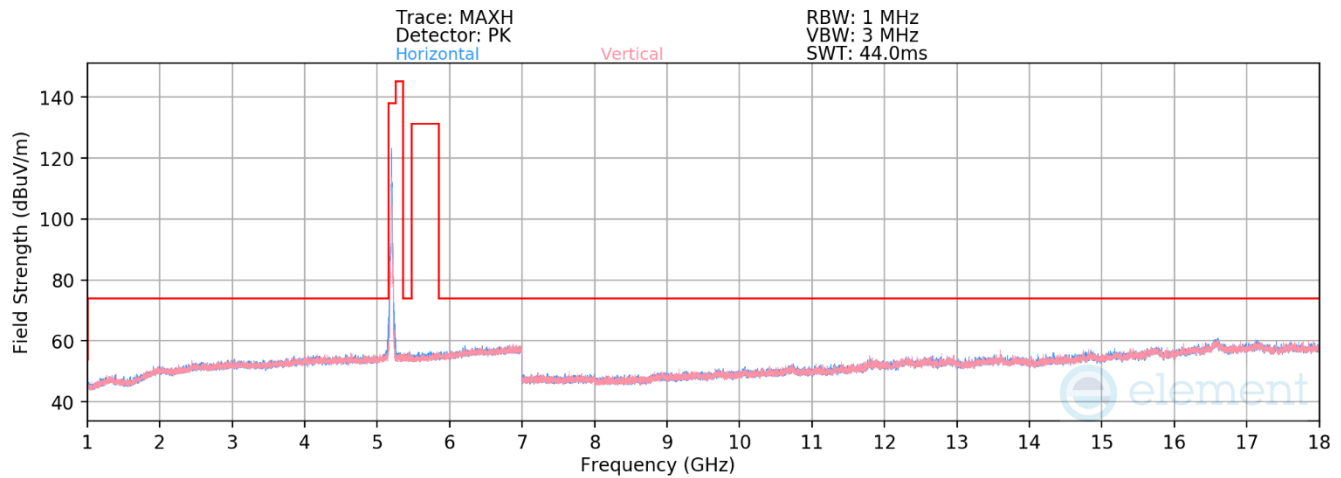
Mode:	802.11ax (20MHz BW)
Data Rate:	MCS11
RU Index:	4
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
	10360.00	Peak	H	-	-	-70.76	15.15	51.39	68.23	-16.84
*	15540.00	Average	V	-	-	-83.87	22.57	45.70	53.98	-8.28
*	15540.00	Peak	V	-	-	-72.65	22.76	57.11	73.98	-16.87

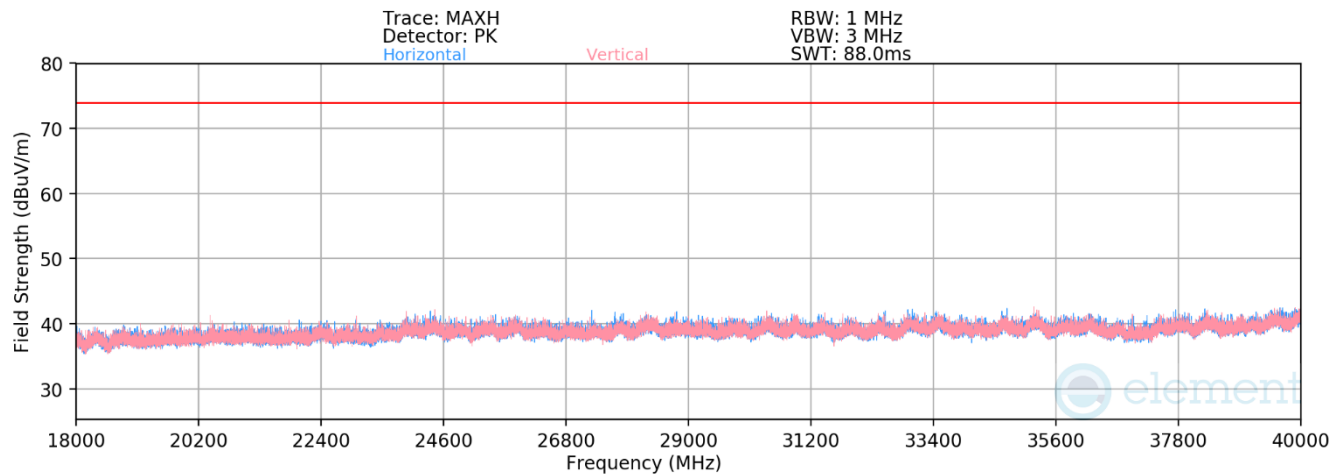
Table 7-106. Radiated Measurements SDM (RU26)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-34. RSE above 1GHz SDM (11ax – Ch.40 – RU26)



Plot 7-35. RSE 18GHz – 40 GHz SDM (11ax Ch.40 — RU26)

Mode: 802.11ax (20MHz BW)

Data Rate: MCS11

RU Index: 4

Distance of Measurements: 3 Meters

Operating Frequency: 5200MHz

Channel: 40

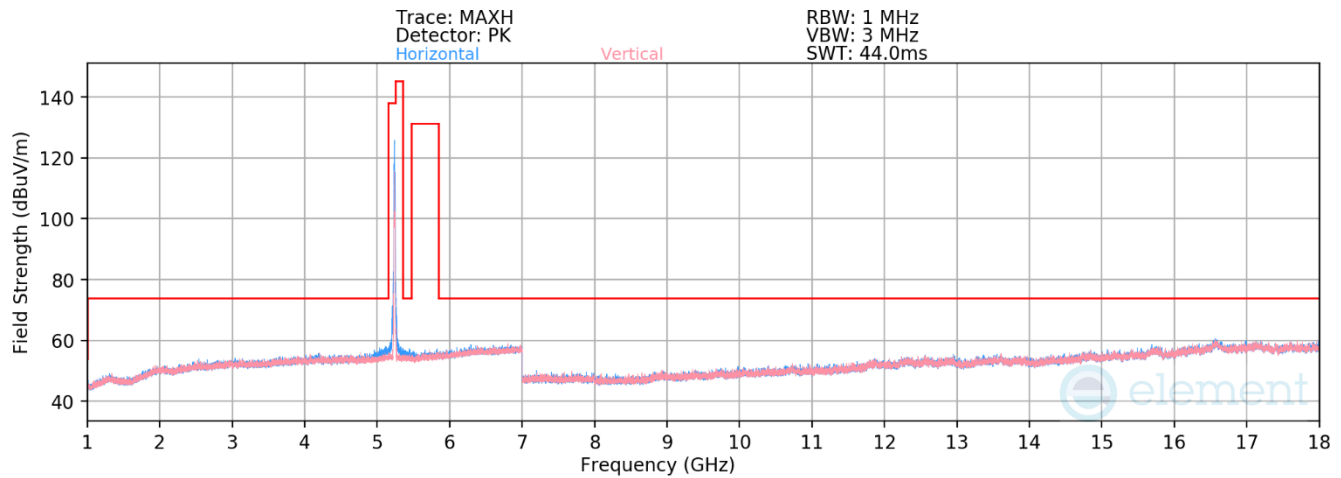
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10400.00	Peak	H	-	-	-70.37	15.08	51.70	68.23	-16.53
* 15600.00	Average	H	-	-	-84.55	23.71	46.16	53.98	-7.82
* 15600.00	Peak	H	-	-	-73.21	23.71	57.50	73.98	-16.48

Table 7-107. Radiated Measurements SDM (RU26)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Plot 7-36. RSE above 1GHz SDM (11ax – Ch.48 – RU26)

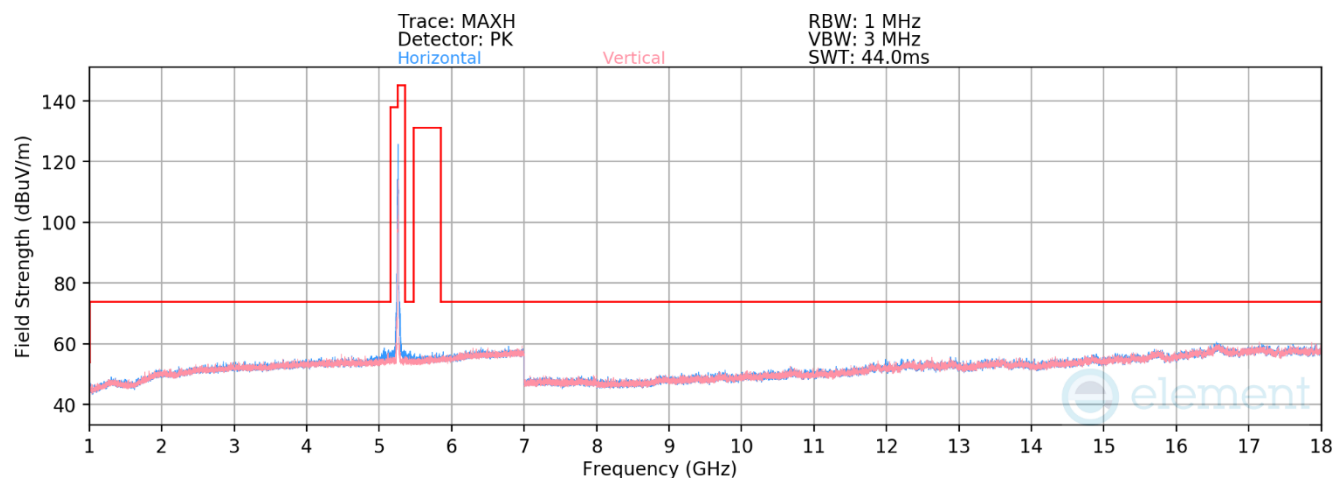
Mode: 802.11ax (20MHz BW)
Data Rate: MCS11
RU Index: 4
Distance of Measurements: 3 Meters
Operating Frequency: 5240MHz
Channel: 48

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10480.00	Peak	H	-	-	-69.36	14.76	52.40	68.23	-15.83
* 15720.00	Average	V	-	-	-84.67	24.36	46.70	53.98	-7.28
* 15720.00	Peak	V	-	-	-73.15	24.20	58.05	73.98	-15.93

Table 7-108. Radiated Measurements SDM (RU26)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 96 of 172

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Plot 7-37. RSE above 1GHz SDM (11ax – Ch.52 – RU52)

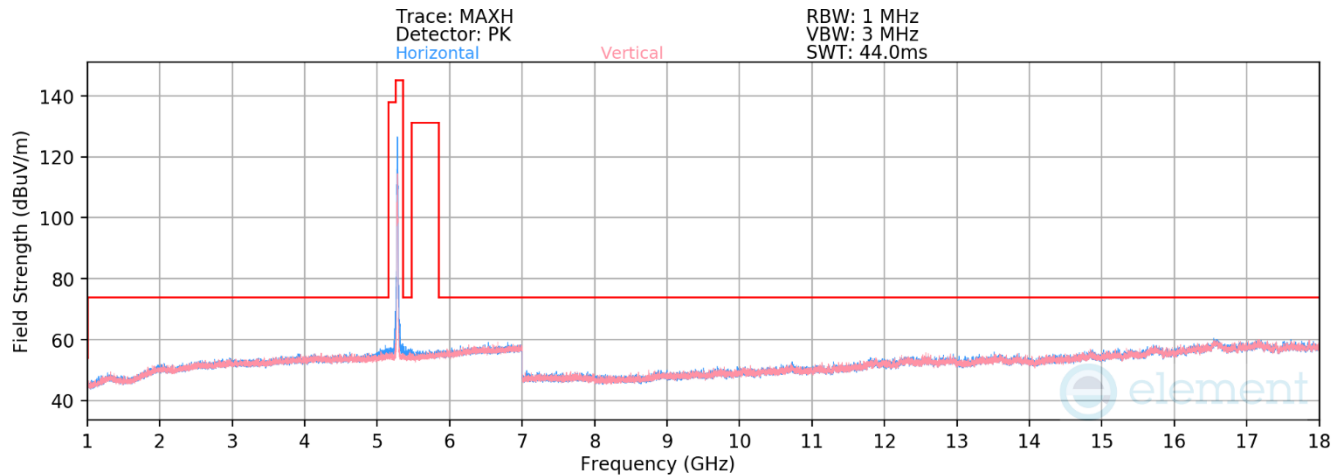
Mode: 802.11ax (20MHz BW)
Data Rate: MCS11
RU Index: 39
Distance of Measurements: 3 Meters
Operating Frequency: 5260MHz
Channel: 52

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
	10520.00	Peak	V	-	-	-70.09	14.60	51.51	68.23	-16.72
*	15780.00	Average	V	-	-	-85.34	24.99	46.65	53.98	-7.33
*	15780.00	Peak	V	-	-	-74.40	24.99	57.58	73.98	-16.40

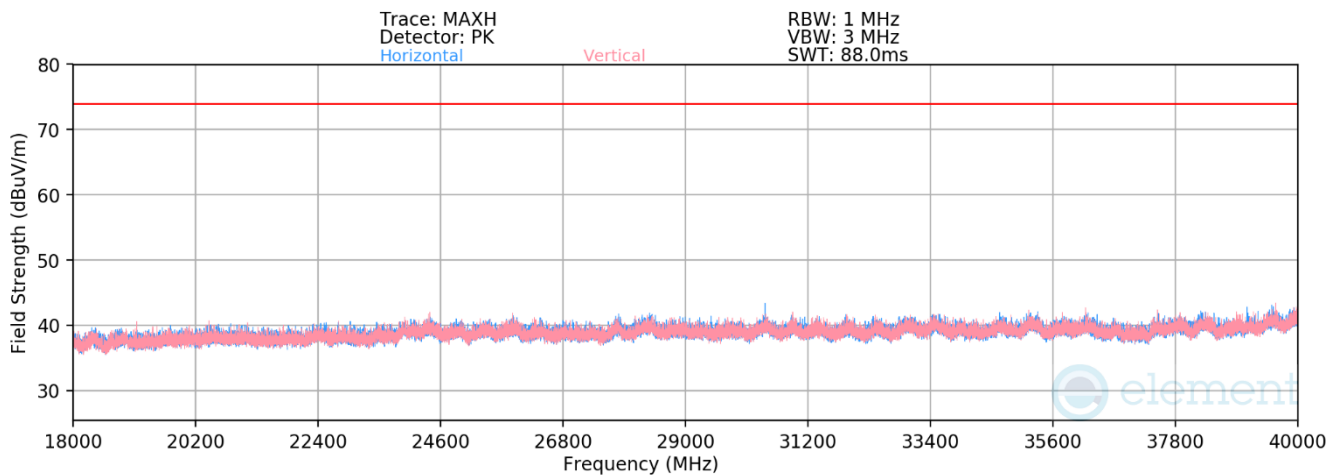
Table 7-109. Radiated Measurements SDM (RU52)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 97 of 172

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Plot 7-38. RSE above 1GHz SDM (11ax – Ch.56 – RU52)



Plot 7-39. RSE 18GHz – 40 GHz SDM (11ax Ch.56 — RU52)

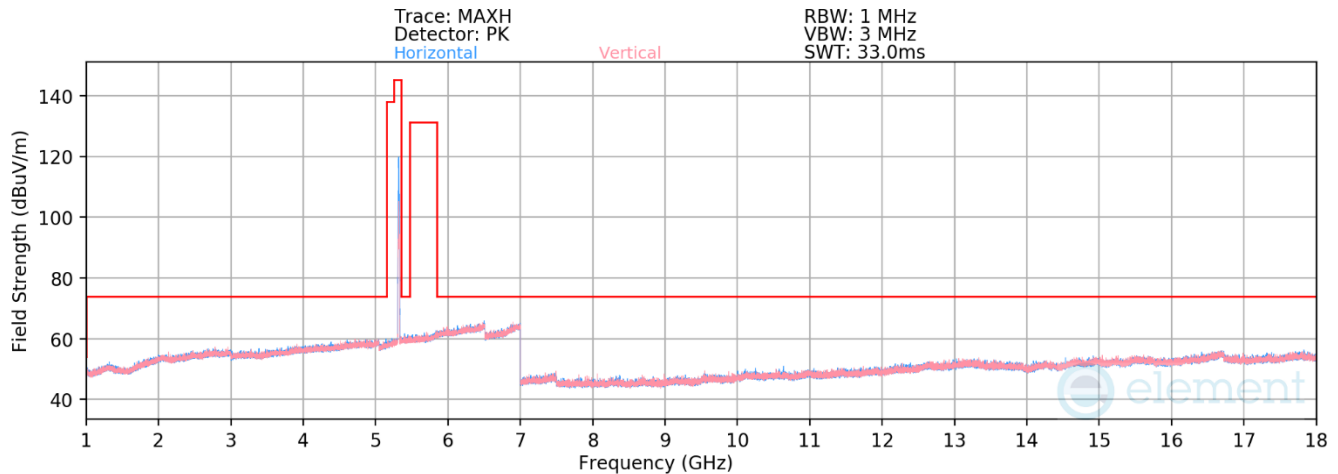
Mode:	802.11ax (20MHz BW)
Data Rate:	MCS11
RU Index:	39
Distance of Measurements:	3 Meters
Operating Frequency:	5280MHz
Channel:	56

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	10560.00	Peak	V	-	-	-70.27	14.82	51.55	68.23	-16.68
*	15840.00	Average	V	-	-	-84.90	24.28	46.37	53.98	-7.61
*	15840.00	Peak	V	-	-	-73.99	24.28	57.28	73.98	-16.70

Table 7-110. Radiated Measurements SDM (RU52)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device		Page 98 of 172

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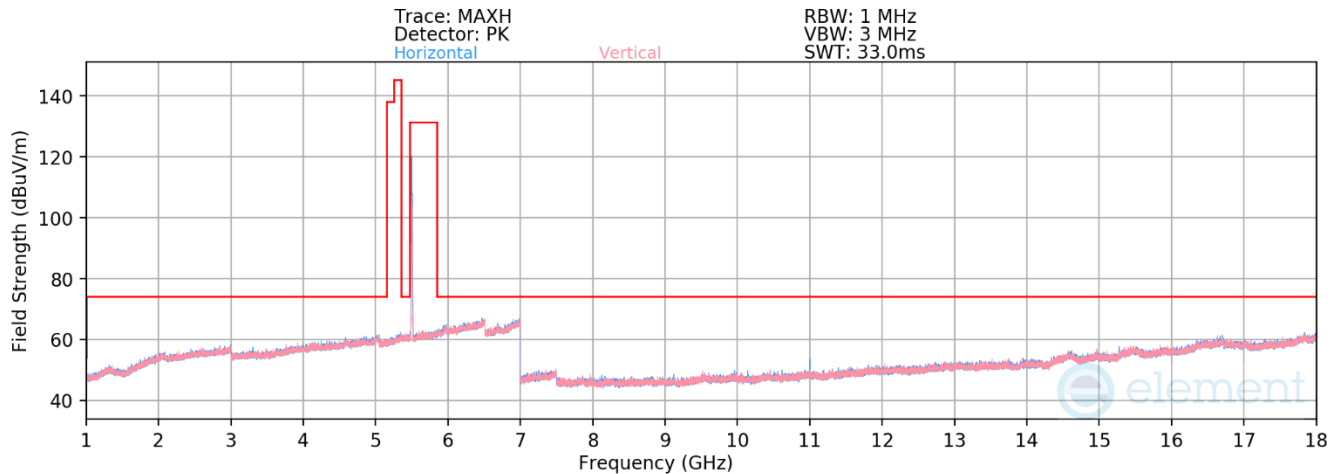
Plot 7-40. RSE above 1GHz SDM (11ax – Ch.64 – RU52)

Mode: 802.11ax (20MHz BW)
Data Rate: MCS11
RU Index: 39
Distance of Measurements: 3 Meters
Operating Frequency: 5320MHz
Channel: 64

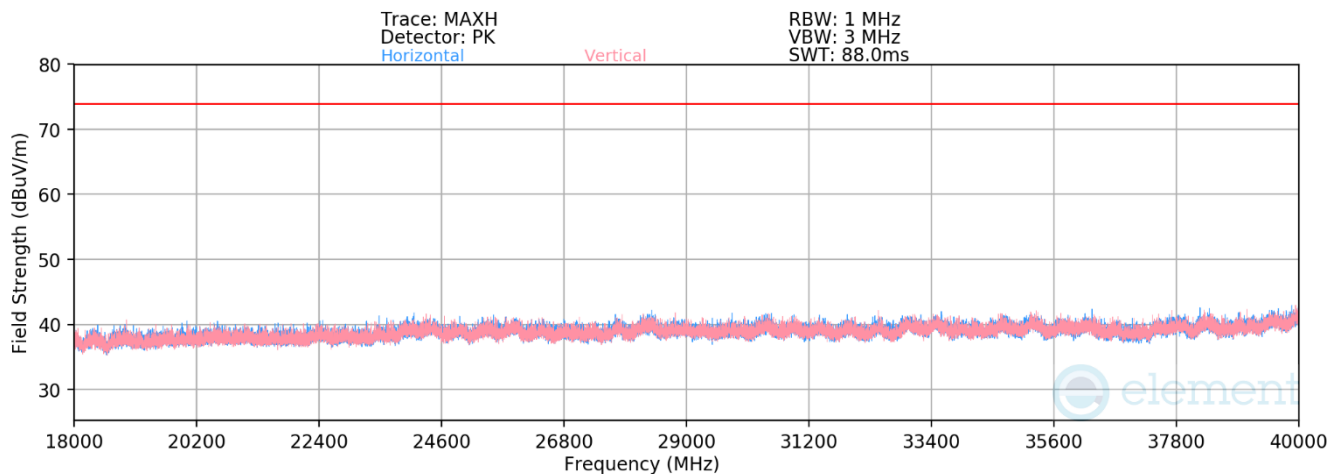
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	10640.00	Average	H	-	-	-81.79	15.82	41.03	53.98	-12.95
*	10640.00	Peak	H	-	-	-70.31	15.31	52.00	73.98	-21.98
*	15960.00	Average	V	-	-	-84.27	23.74	46.47	53.98	-7.51
*	15960.00	Peak	V	-	-	-72.79	23.73	57.94	73.98	-16.04

Table 7-111. Radiated Measurements SDM (RU52)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 99 of 172



Plot 7-41. RSE above 1GHz SDM (11ax - Ch.100 - RU52)



Plot 7-42. RSE 18GHz - 40 GHz SDM (11ax Ch.100 - RU52)

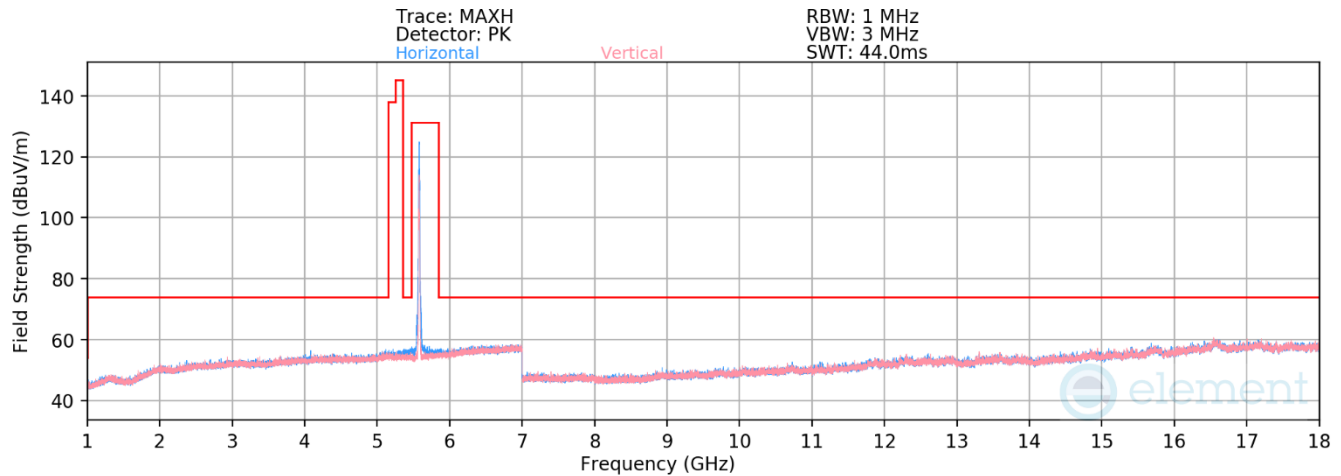
Mode:	802.11ax (20MHz BW)
Data Rate:	MCS11
RU Index:	39
Distance of Measurements:	3 Meters
Operating Frequency:	5500MHz
Channel:	100

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11000.00	Average	H	119	245	-75.89	13.84	44.95	53.98	-9.03
*	11000.00	Peak	H	119	245	-64.32	13.84	56.52	73.98	-17.46
	16500.00	Peak	V	-	-	-72.11	23.34	58.24	68.23	-9.99

Table 7-112. Radiated Measurements SDM (RU52)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 100 of 172

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Plot 7-43. RSE above 1GHz SDM (11ax – Ch.116 – RU52)

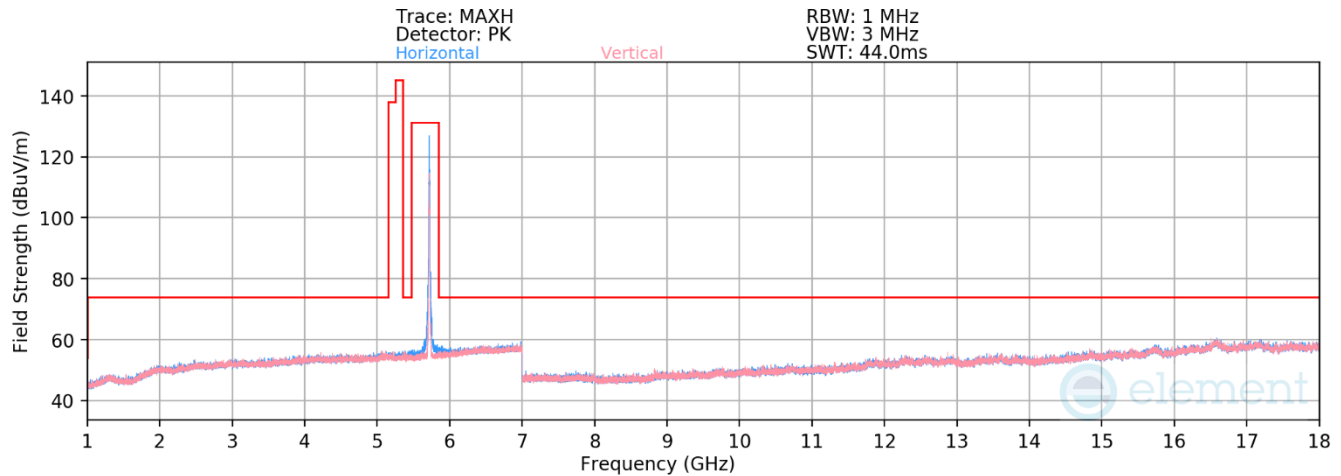
Mode: 802.11ax (20MHz BW)
Data Rate: MCS11
RU Index: 39
Distance of Measurements: 3 Meters
Operating Frequency: 5580MHz
Channel: 116

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11160.00	Average	H	-	-	-81.62	15.92	41.31	53.98	-12.67
*	11160.00	Peak	H	-	-	-70.69	16.32	52.63	73.98	-21.35
	16740.00	Peak	V	-	-	-73.04	24.21	58.17	68.23	-10.06

Table 7-113. Radiated Measurements SDM (RU52)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 101 of 172

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Plot 7-44. RSE above 1GHz SDM (11ax – Ch.144 – RU52)

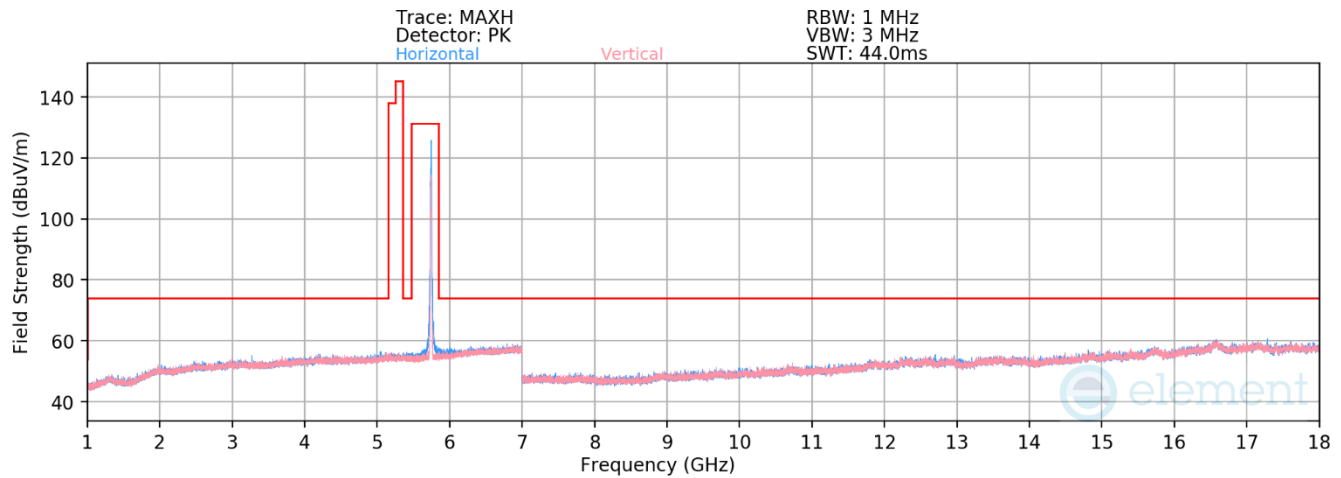
Mode: 802.11ax (20MHz BW)
Data Rate: MCS11
RU Index: 39
Distance of Measurements: 3 Meters
Operating Frequency: 5720MHz
Channel: 144

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11440.00	Average	H	288	262	-76.76	13.24	43.48	53.98	-10.50
*	11440.00	Peak	H	288	262	-65.30	13.24	54.94	73.98	-19.04
	17160.00	Peak	V	-	-	-72.20	24.26	59.05	68.23	-9.18

Table 7-114. Radiated Measurements SDM (RU52)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 102 of 172

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Plot 7-45. RSE above 1GHz CDD (11ax – Ch.149 – RU26)

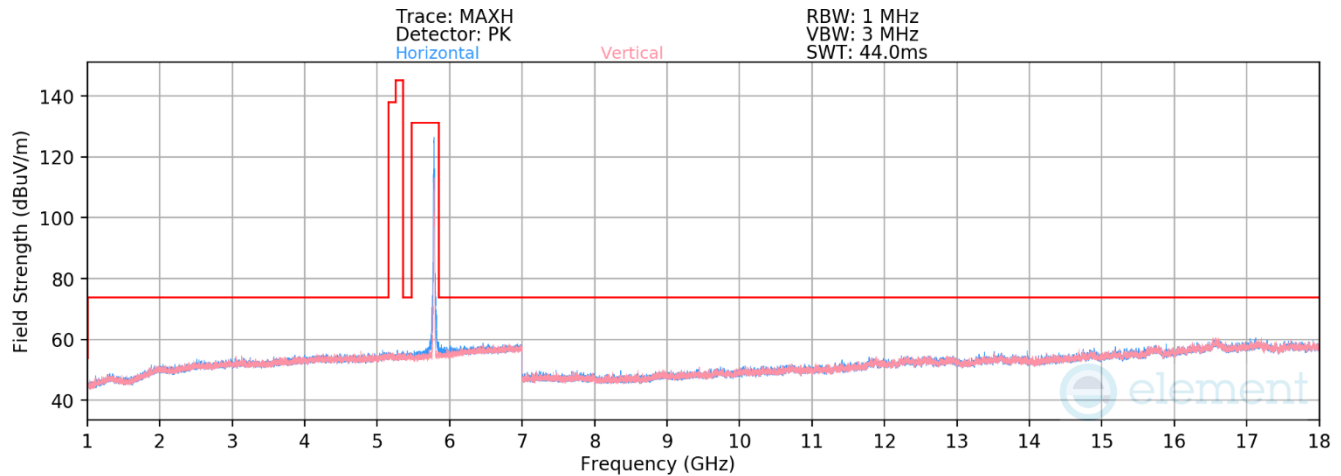
Mode: 802.11ax (20MHz BW)
Data Rate: MCS11
RU Index: 4
Distance of Measurements: 3 Meters
Operating Frequency: 5745MHz
Channel: 149

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11490.00	Average	H	-	-	-82.12	16.31	41.19	53.98	-12.79
*	11490.00	Peak	H	-	-	-70.88	16.31	52.43	73.98	-21.55
	17235.00	Peak	H	-	-	-72.39	24.61	59.22	68.23	-9.01

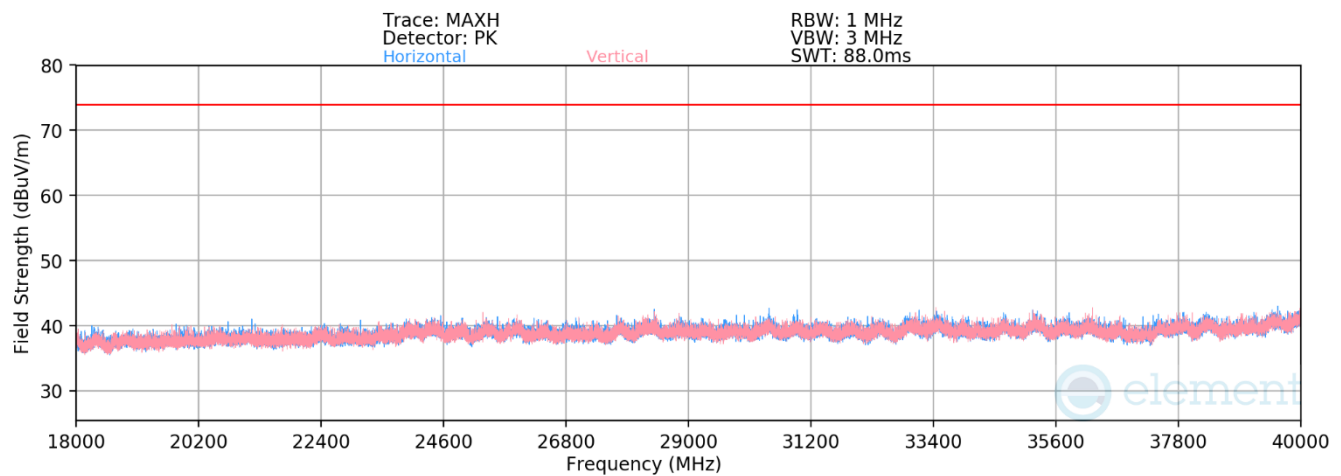
Table 7-115. Radiated Measurements CDD (RU26)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 103 of 172

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Plot 7-46. RSE above 1GHz CDD (11ax - Ch.157 - RU26)



Plot 7-47. RSE 18GHz - 40 GHz CDD (11ax Ch.157 - RU26)

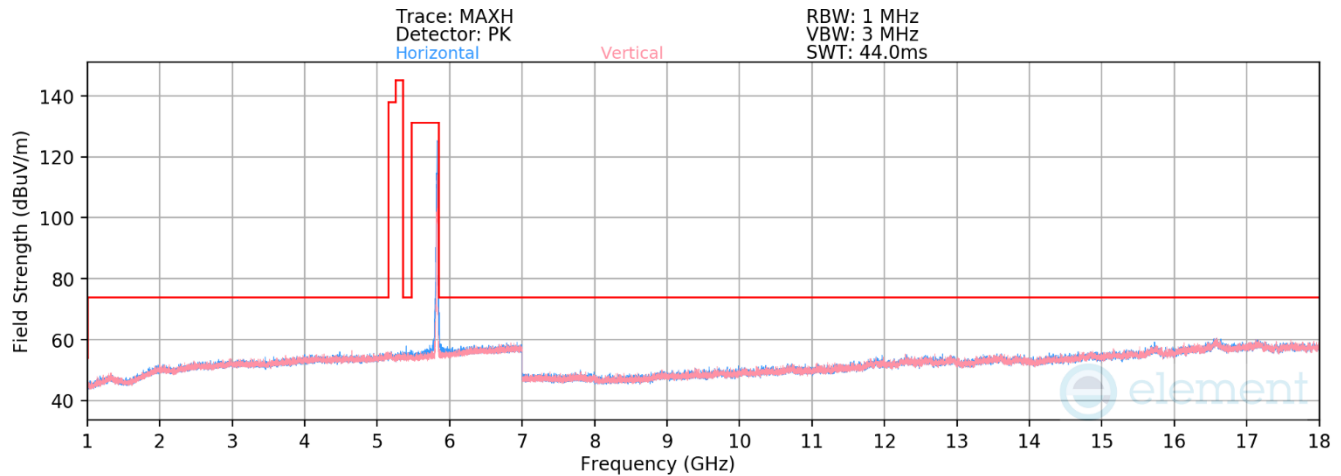
Mode: 802.11ax (20MHz BW)
Data Rate: MCS11
RU Index: 4
Distance of Measurements: 3 Meters
Operating Frequency: 5785MHz
Channel: 157

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11570.00	Average	H	-	-	-82.73	17.32	41.59	53.98	-12.39
*	11570.00	Peak	H	-	-	-71.22	17.32	53.09	73.98	-20.89
	17355.00	Peak	V	-	-	-72.24	24.27	59.03	68.23	-9.20

Table 7-116. Radiated Measurements CDD (RU26)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 104 of 172

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Plot 7-48. RSE above 1GHz CDD (11ax – Ch.165 – RU26)

Mode: 802.11ax (20MHz BW)
Data Rate: MCS11
RU Index: 4
Distance of Measurements: 3 Meters
Operating Frequency: 5825MHz
Channel: 165

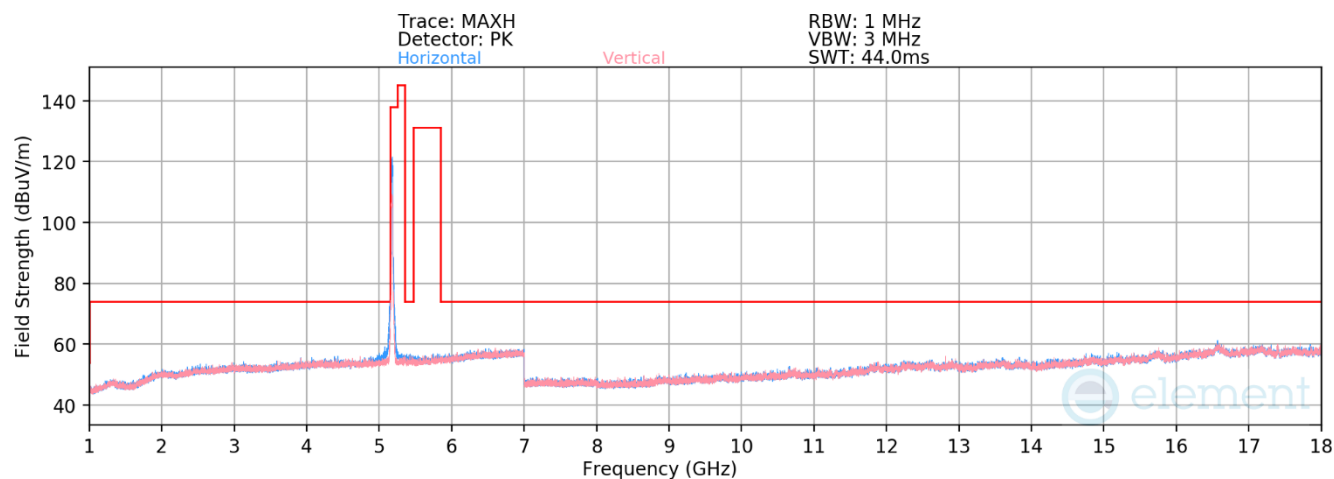
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11650.00	Average	H	-	-	-82.74	17.54	41.80	53.98	-12.18
*	11650.00	Peak	H	-	-	-71.35	17.54	53.19	73.98	-20.79
	17475.00	Peak	V	-	-	-72.62	24.56	58.94	68.23	-9.29

Table 7-117. Radiated Measurements CDD (RU26)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 105 of 172

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Plot 7-49. RSE above 1GHz CDD (11ax – Ch.36 – RU242)

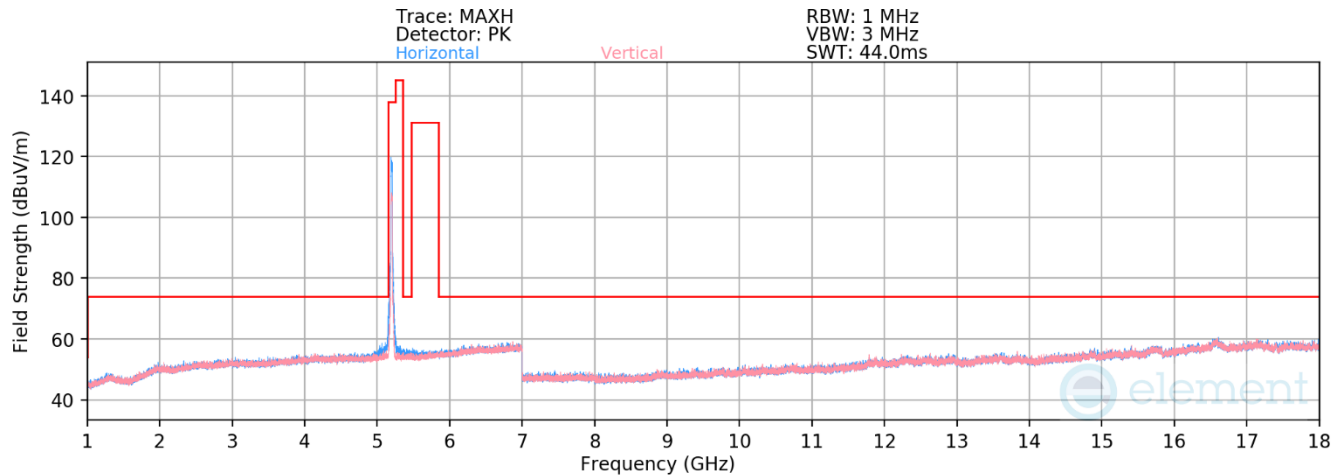
Mode:	11ax (20MHz BW)
Data Rate:	MCS11
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
	10360.00	Peak	V	-	-	-70.04	14.69	51.65	68.23	-16.58
*	15540.00	Average	H	-	-	-84.42	22.94	45.51	53.98	-8.47
*	15540.00	Peak	H	-	-	-73.06	22.94	56.88	73.98	-17.10

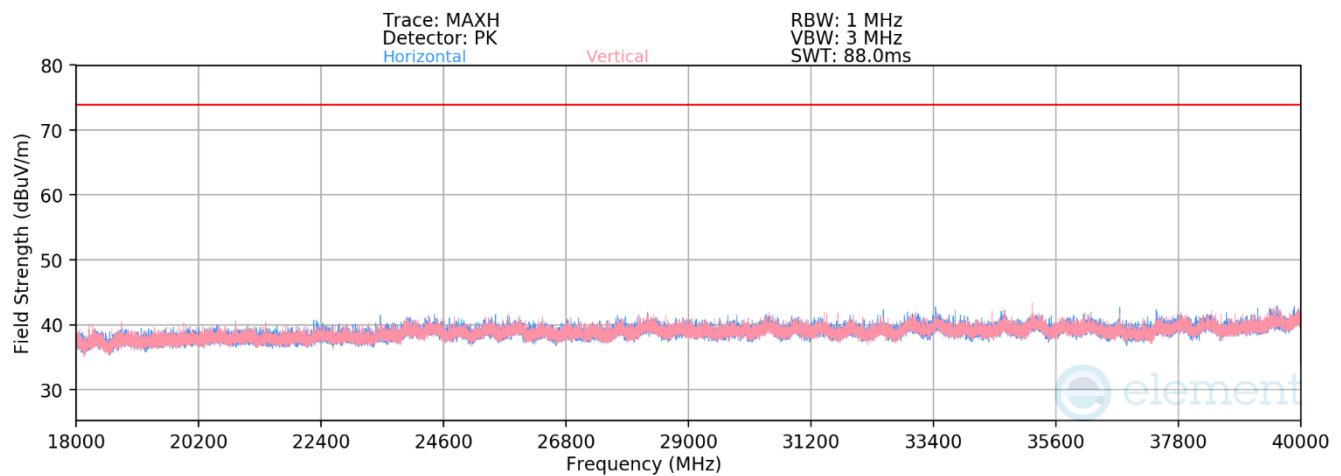
Table 7-118. Radiated Measurements CDD (RU242)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 106 of 172

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Plot 7-50. RSE above 1GHz CDD (11ax - Ch.40 - RU242)



Plot 7-51. RSE 18GHz - 40 GHz CDD (11ax Ch.40 - RU242)

Mode: 802.11ax (20MHz BW)

Data Rate: MCS11

RU Index: 61

Distance of Measurements: 3 Meters

Operating Frequency: 5200MHz

Channel: 40

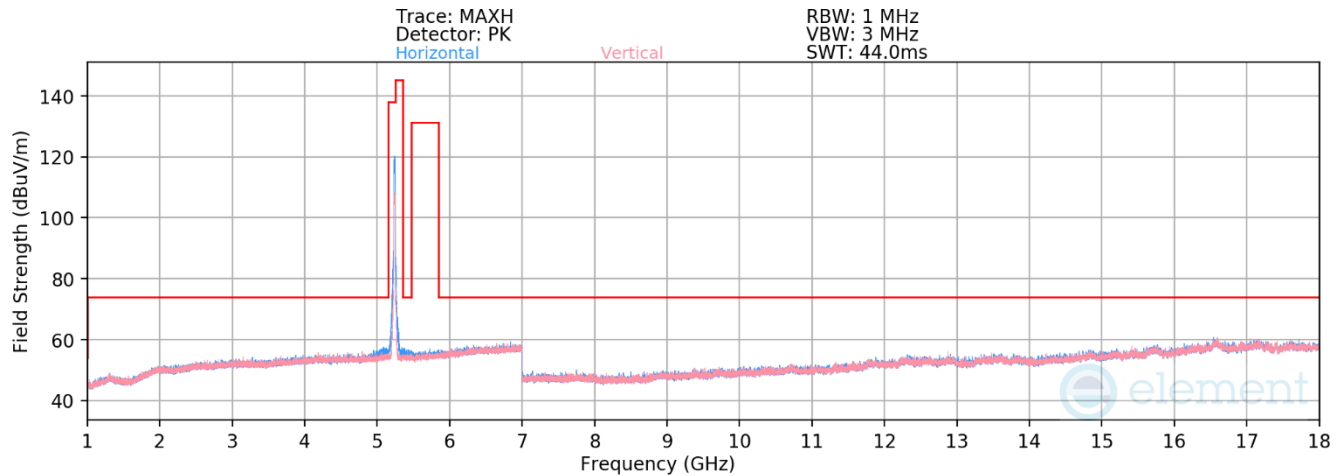
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
	10400.00	Peak	H	-	-	-69.87	15.08	52.21	68.23	-16.02
*	15600.00	Average	H	-	-	-84.31	22.85	45.55	53.98	-8.43
*	15600.00	Peak	H	-	-	-72.37	22.85	57.49	73.98	-16.49

Table 7-119. Radiated Measurements CDD (RU242)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 107 of 172

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Plot 7-52. RSE above 1GHz SDM (11ax – Ch.48 – RU242)

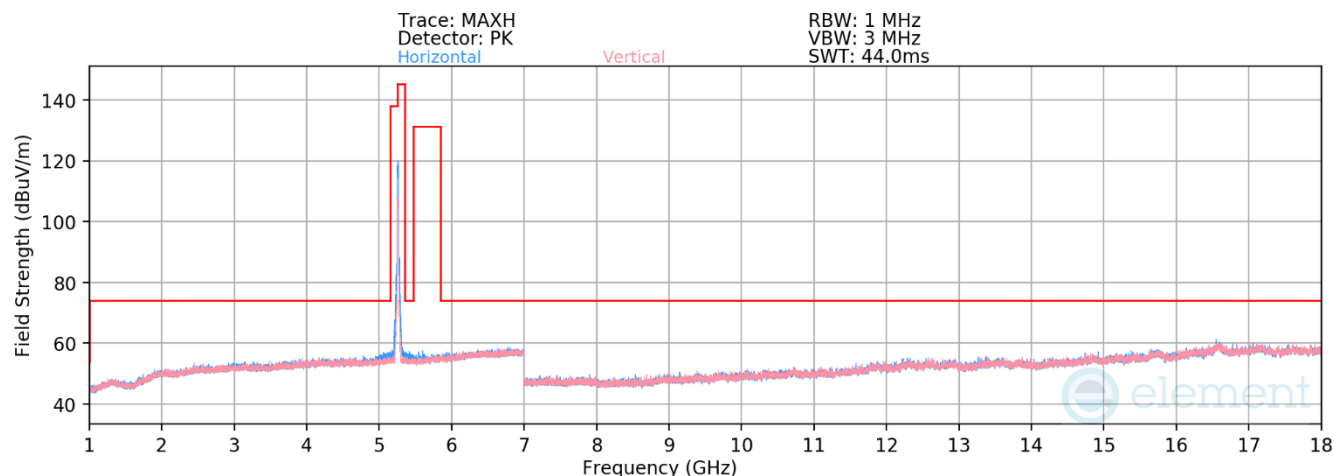
Mode: 802.11ax (20MHz BW)
Data Rate: MCS11
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 5240MHz
Channel: 48

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
	10480.00	Peak	H	-	-	-70.41	14.83	51.42	68.23	-16.81
*	15720.00	Average	H	-	-	-84.76	24.36	46.60	53.98	-7.38
*	15720.00	Peak	H	-	-	-73.23	24.36	58.14	73.98	-15.84

Table 7-120. Radiated Measurements SDM (RU242)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 108 of 172

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Plot 7-53. RSE above 1GHz SDM (11ax - Ch.52 - RU242)

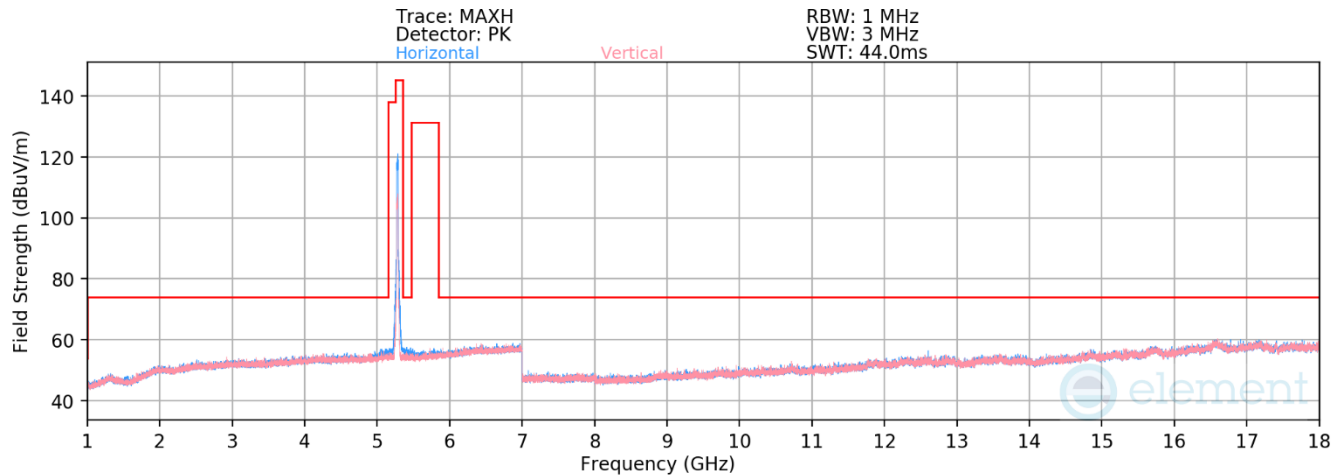
Mode: 802.11ax (20MHz BW)
Data Rate: MCS11
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 5260MHz
Channel: 52

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
	10520.00	Peak	V	-	-	-70.53	15.04	51.51	68.23	-16.72
*	15780.00	Average	V	-	-	-85.32	24.99	46.66	53.98	-7.32
*	15780.00	Peak	V	-	-	-73.20	24.46	58.26	73.98	-15.72

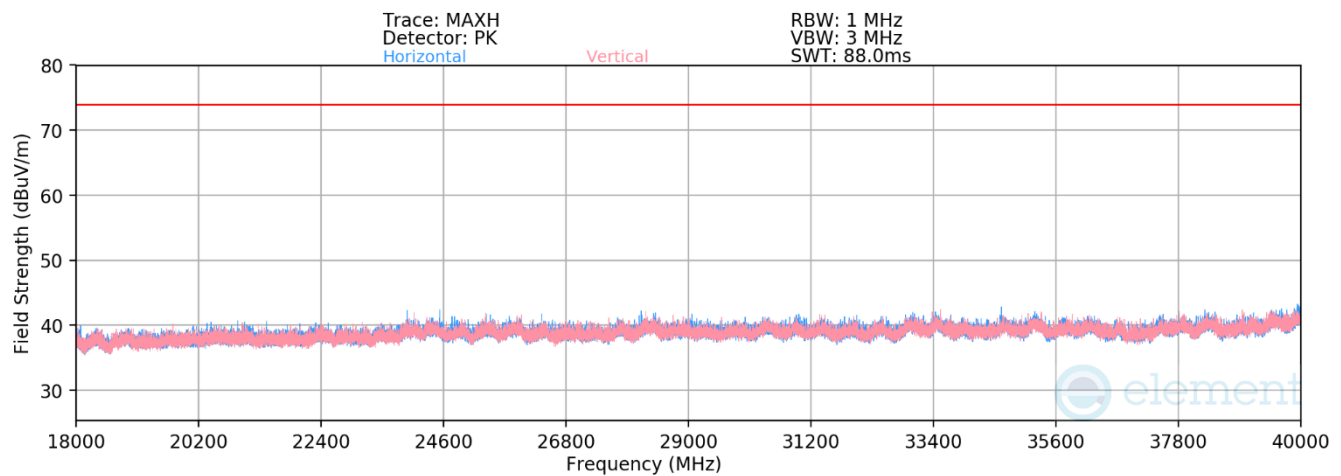
Table 7-121. Radiated Measurements SDM (RU242)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 109 of 172

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Plot 7-54. RSE above 1GHz SDM (11ax - Ch.56 - RU242)



Plot 7-55. RSE 18GHz - 40 GHz SDM (11ax Ch.56 - RU242)

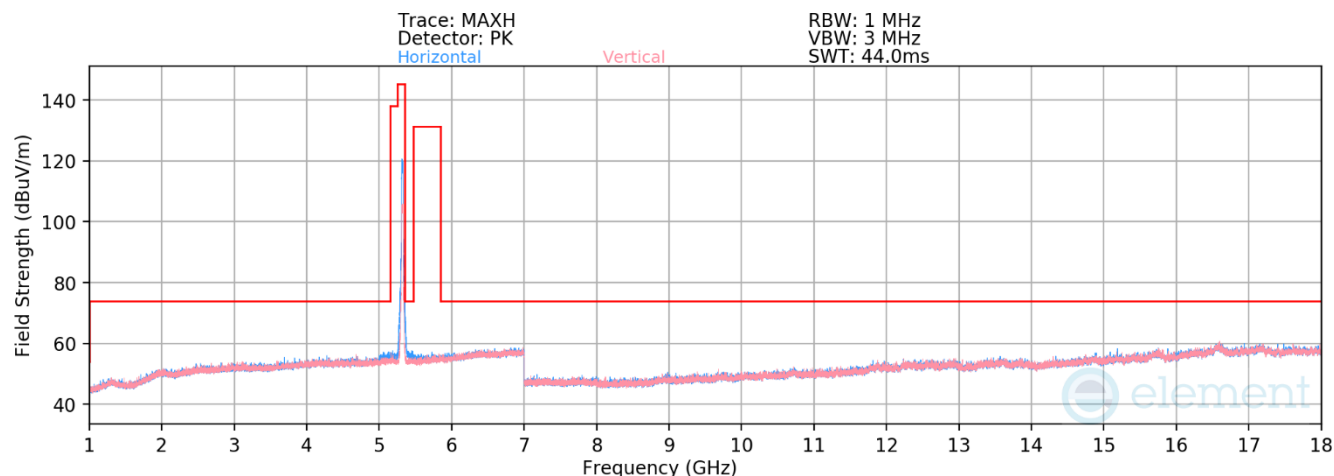
Mode: 802.11ax (20MHz BW)
Data Rate: MCS11
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 5280MHz
Channel: 56

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
	10560.00	Peak	V	-	-	-70.85	15.15	51.30	68.23	-16.93
*	15840.00	Average	H	-	-	-84.17	23.71	46.54	53.98	-7.44
*	15840.00	Peak	H	-	-	-72.07	23.10	58.02	73.98	-15.96

Table 7-122. Radiated Measurements SDM (RU242)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device		Page 110 of 172

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Plot 7-56. RSE above 1GHz CDD (11ax – Ch.64 – RU242)

Mode: 802.11ax (20MHz BW)
Data Rate: MCS11
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 5320MHz
Channel: 64

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	10640.00	Average	V	-	-	-81.57	15.28	40.71	53.98	-13.27
*	10640.00	Peak	V	-	-	-69.74	14.84	52.10	73.98	-21.88
*	15960.00	Average	V	-	-	-84.29	23.79	46.50	53.98	-7.48
*	15960.00	Peak	V	-	-	-73.21	23.79	57.58	73.98	-16.40

Table 7-123. Radiated Measurements CDD (RU242)

FCC ID: BCGA3354 IC: 579C-A3354		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2410210076-10-R1.BCG	Test Dates: 10/25/2024 - 1/14/2025	EUT Type: Tablet Device	Page 111 of 172

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