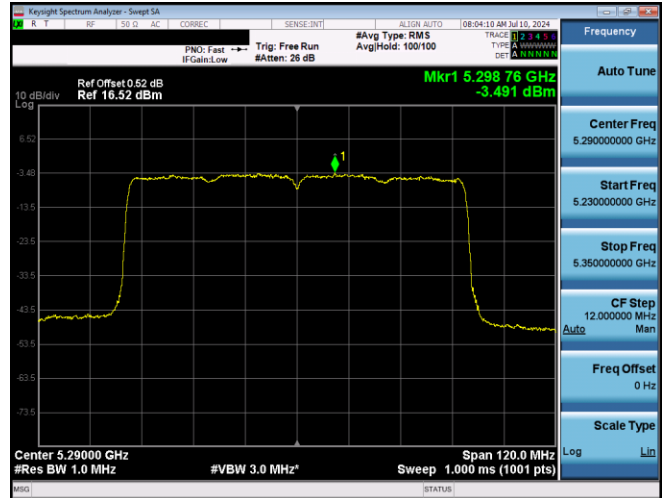
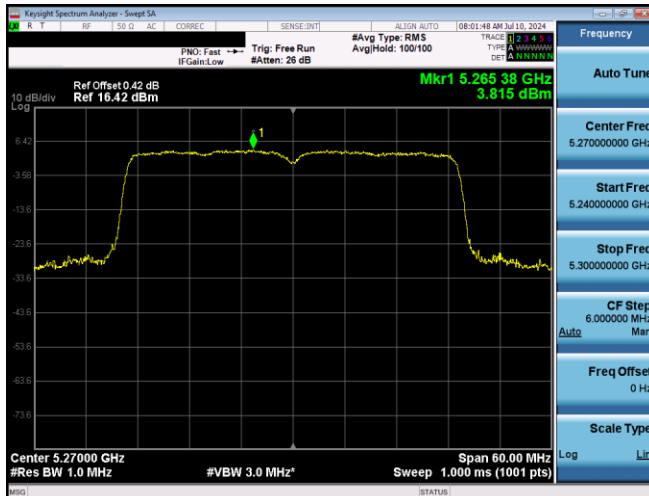


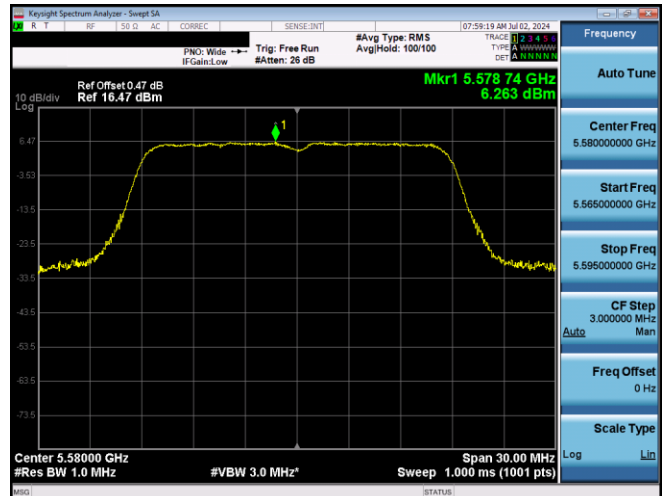
Plot 7-835. PSD CDD Diversity Antenna 1b (40MHz BW 802.11n - Ch. 54, MCS15)



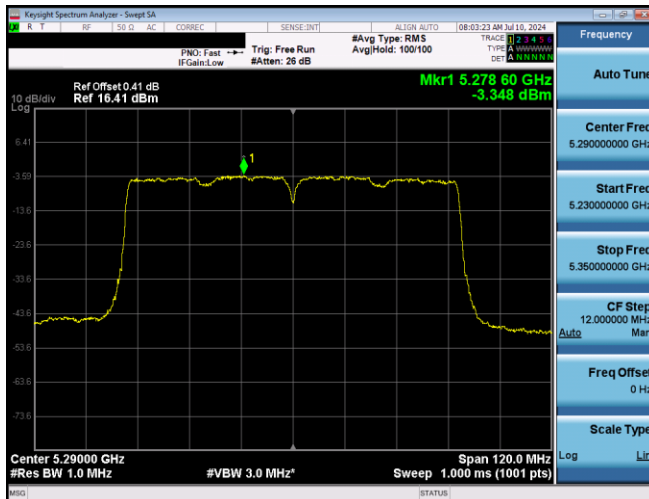
Plot 7-838. PSD CDD Diversity Antenna 1b (80MHz BW 802.11ax(SU) - Ch. 58, MCS11)



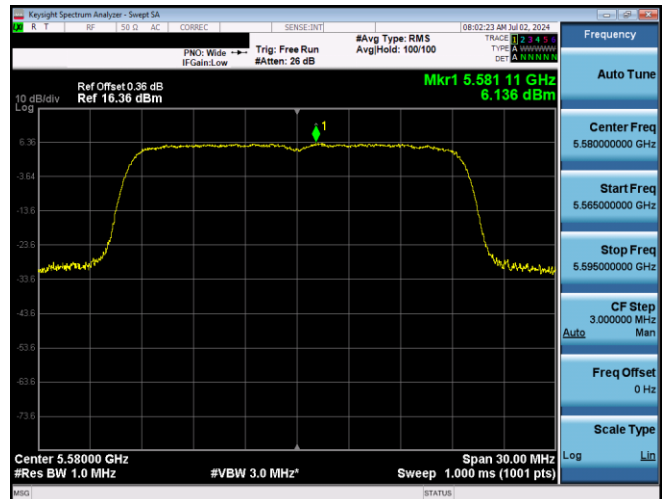
Plot 7-836. PSD CDD Diversity Antenna 1b (40MHz BW 802.11ax(SU) - Ch. 54, MCS11)



Plot 7-839. PSD SDM Diversity Antenna 1b (20MHz BW 802.11n - Ch. 116, MCS15)

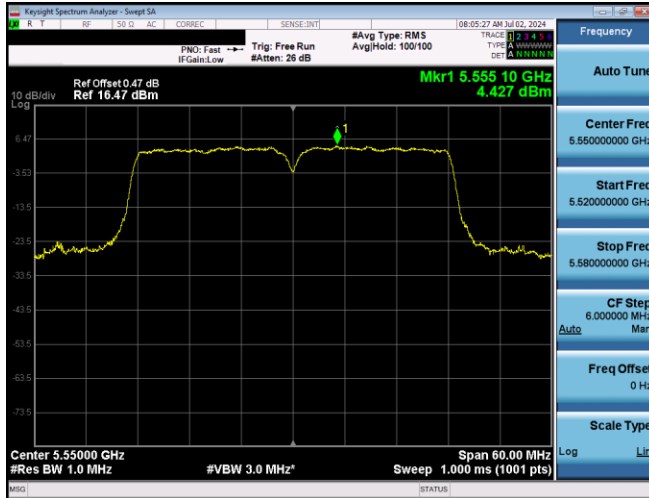


Plot 7-837. PSD CDD Diversity Antenna 1b (80MHz BW 802.11ac - Ch. 58, MCS9)

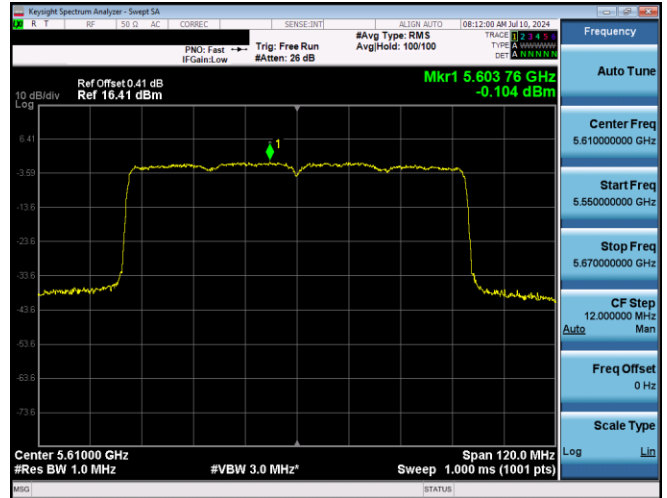


Plot 7-840. PSD SDM Diversity Antenna 1b (20MHz BW 802.11ax(SU) - Ch. 116, MCS11)

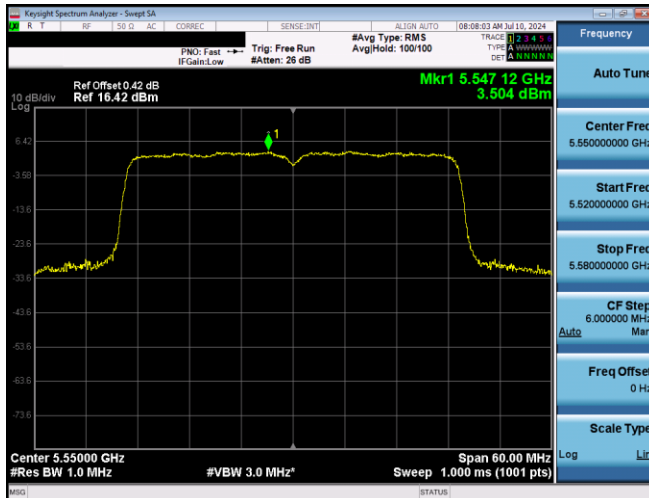
FCC ID: BCGA2995 IC: 579C-A2995		<b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2405200018-22-R1.BCG	<b>Test Dates:</b> 5/20/2024 - 8/28/2024	<b>EUT Type:</b> Tablet Device	Page 275 of 595



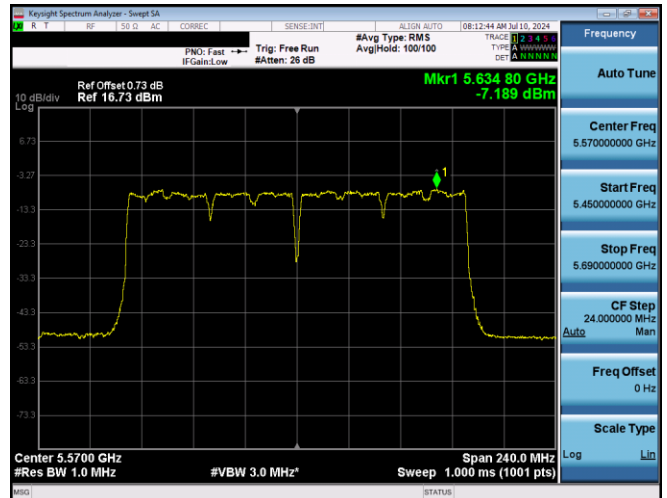
Plot 7-841. PSD CDD Diversity Antenna 1b (40MHz BW 802.11n - Ch. 110, MCS15)



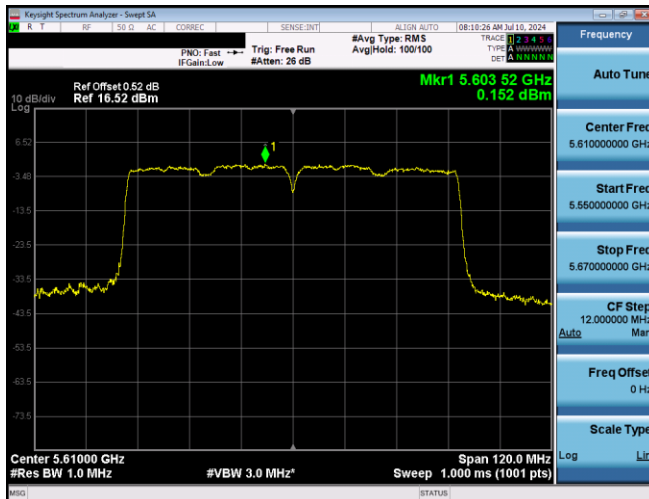
Plot 7-844. PSD CDD Diversity Antenna 1b (80MHz BW 802.11ax(SU) - Ch. 122, MCS11)



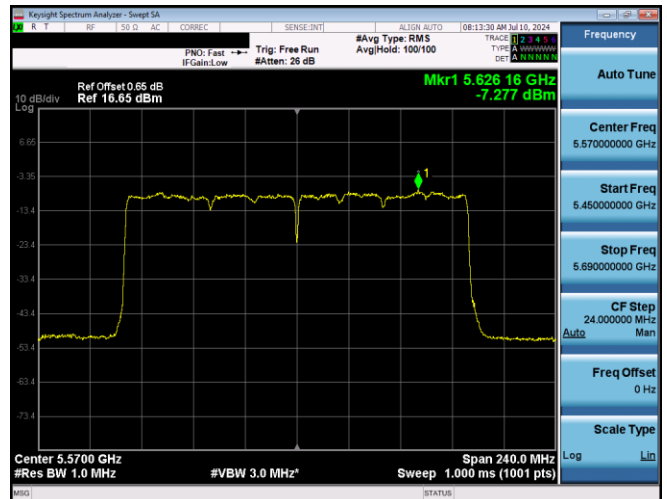
Plot 7-842. PSD CDD Diversity Antenna 1b (40MHz BW 802.11ax(SU) - Ch. 110, MCS11)



Plot 7-845. PSD CDD Diversity Antenna 1b (160MHz BW 802.11ac - Ch. 114, MCS9)



Plot 7-843. PSD CDD Diversity Antenna 1b (80MHz BW 802.11ac - Ch. 122, MCS9)



Plot 7-846. PSD CDD Diversity Antenna 1b (160MHz BW 802.11ax(SU) - Ch. 114, MCS11)

FCC ID: BCGA2995 IC: 579C-A2995			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device		Page 276 of 595

	Frequency [MHz]	Channel	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 5T Power Density [dBm/500kHz]	Antenna 1b Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	CDD	39/43.3 (MCS10)	6.72	6.90	9.82	30.0	-20.18
	5785	157	n (20MHz)	CDD	39/43.3 (MCS10)	6.91	6.78	9.86	30.0	-20.14
	5825	165	n (20MHz)	CDD	39/43.3 (MCS10)	6.77	6.71	9.75	30.0	-20.25
	5745	149	ax (SU) (20MHz)	CDD	48/51.6 (MCS2)	5.07	5.30	8.20	30.0	-21.80
	5785	157	ax (SU) (20MHz)	CDD	48/51.6 (MCS2)	5.30	4.54	7.95	30.0	-22.05
	5825	165	ax (SU) (20MHz)	CDD	48/51.6 (MCS2)	5.20	5.00	8.11	30.0	-21.89
	5755	151	n (40MHz)	CDD	81/60 (MCS10)	3.78	3.94	6.87	30.0	-23.13
	5795	159	n (40MHz)	CDD	81/60 (MCS10)	4.05	4.05	7.06	30.0	-22.94
	5755	151	ax (SU) (40MHz)	CDD	98/103.2 (MCS2)	2.34	2.31	5.33	30.0	-24.67
	5795	159	ax (SU) (40MHz)	CDD	98/103.2 (MCS2)	2.45	2.54	5.50	30.0	-24.50
	5775	155	ac (80MHz)	CDD	175.5/195 (MCS2)	-0.14	-0.93	2.50	30.0	-27.50
	5775	155	ax (SU) (80MHz)	CDD	204/216.2 (MCS2)	-2.59	-3.39	0.04	30.0	-29.96

**Table 7-239. Band 3 Power Spectral Density Measurements CDD Diversity (Low Data Rate)**

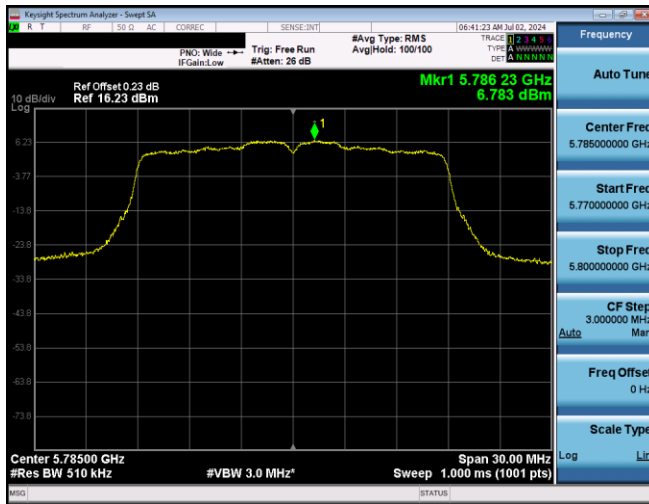
	Frequency [MHz]	Channel	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 5T Power Density [dBm/500kHz]	Antenna 1b Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	CDD	78/86.7 (MCS12)	6.65	6.60	9.63	30.0	-20.37
	5785	157	n (20MHz)	CDD	78/86.7 (MCS12)	7.16	6.44	9.82	30.0	-20.18
	5825	165	n (20MHz)	CDD	78/86.7 (MCS12)	6.83	6.74	9.80	30.0	-20.20
	5745	149	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	5.10	5.14	8.13	30.0	-21.87
	5785	157	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	5.48	5.09	8.30	30.0	-21.70
	5825	165	ax (SU) (20MHz)	CDD	98/103.2 (MCS4)	5.39	5.60	8.50	30.0	-21.50
	5755	151	n (40MHz)	CDD	162/180 (MCS12)	4.05	3.94	7.00	30.0	-23.00
	5795	159	n (40MHz)	CDD	162/180 (MCS12)	4.42	4.22	7.33	30.0	-22.67
	5755	151	ax (SU) (40MHz)	CDD	196/206.5 (MCS4)	2.76	2.72	5.75	30.0	-24.25
	5795	159	ax (SU) (40MHz)	CDD	196/206.5 (MCS4)	2.56	2.49	5.54	30.0	-24.46
	5775	155	ac (80MHz)	CDD	351/390 (MCS4)	-0.38	-1.01	2.33	30.0	-27.67
	5775	155	ax (SU) (80MHz)	CDD	408/432.4 (MCS4)	-2.32	-2.99	0.37	30.0	-29.63

**Table 7-240. Band 3 Power Spectral Density Measurements CDD Diversity (Mid Data Rate)**

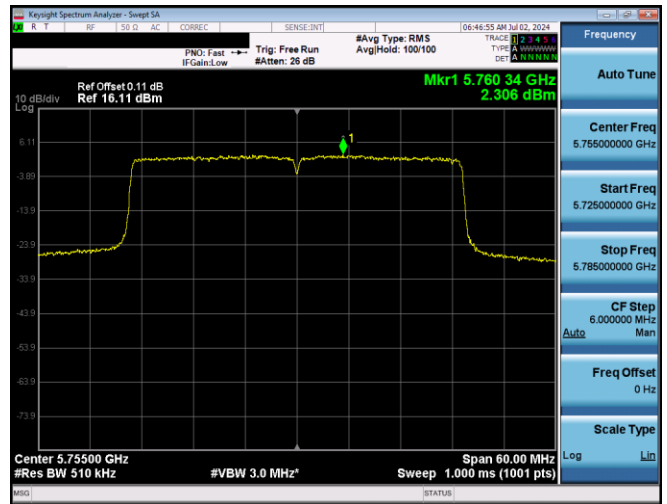
	Frequency [MHz]	Channel	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 5T Power Density [dBm/500kHz]	Antenna 1b Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5745	149	n (20MHz)	CDD	130/144.4 (MCS15)	5.74	6.00	8.88	30.0	-21.12
	5785	157	n (20MHz)	CDD	130/144.4 (MCS15)	6.07	5.86	8.98	30.0	-21.02
	5825	165	n (20MHz)	CDD	130/144.4 (MCS15)	6.02	5.84	8.94	30.0	-21.06
	5745	149	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	5.44	5.90	8.69	30.0	-21.31
	5785	157	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	5.81	5.53	8.68	30.0	-21.32
	5825	165	ax (SU) (20MHz)	CDD	270/286.8 (MCS11)	5.70	5.69	8.70	30.0	-21.30
	5755	151	n (40MHz)	CDD	270/300 (MCS15)	3.28	3.11	6.21	30.0	-23.79
	5795	159	n (40MHz)	CDD	270/300 (MCS15)	3.35	2.99	6.18	30.0	-23.82
	5755	151	ax (SU) (40MHz)	CDD	271/286.8 (MCS11)	3.01	2.88	5.95	30.0	-24.05
	5795	159	ax (SU) (40MHz)	CDD	271/286.8 (MCS11)	2.96	2.90	5.94	30.0	-24.06
	5775	155	ac (80MHz)	CDD	780/866.7 (MCS9)	-2.33	-3.21	0.26	30.0	-29.74
	5775	155	ax (SU) (80MHz)	CDD	1134/1201 (MCS11)	-3.19	-3.80	-0.47	30.0	-30.47

**Table 7-241. Band 3 Power Spectral Density Measurements CDD Diversity (High Data Rate)**

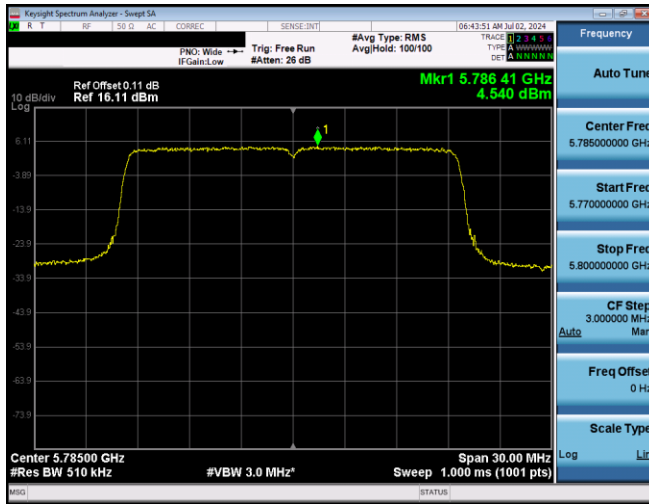
FCC ID: BCGA2995 IC: 579C-A2995	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 277 of 595



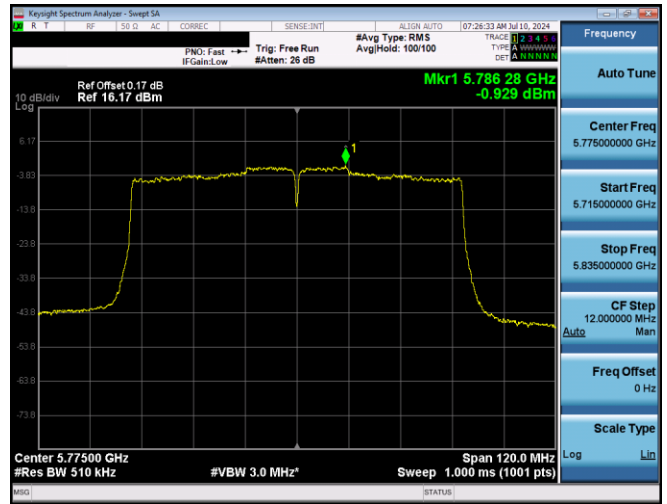
Plot 7-847. PSD CDD Diversity Antenna 1b (20MHz BW 802.11n – Ch. 157, MCS10)



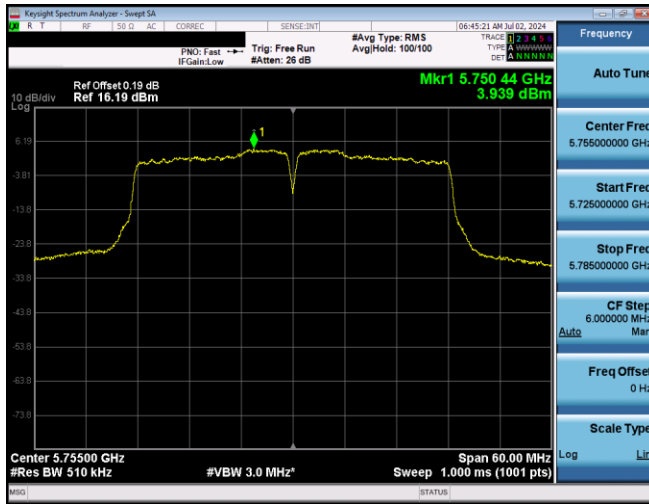
Plot 7-850. PSD CDD Diversity Antenna 1b (40MHz BW 802.11ax(SU) – Ch. 151, MCS2)



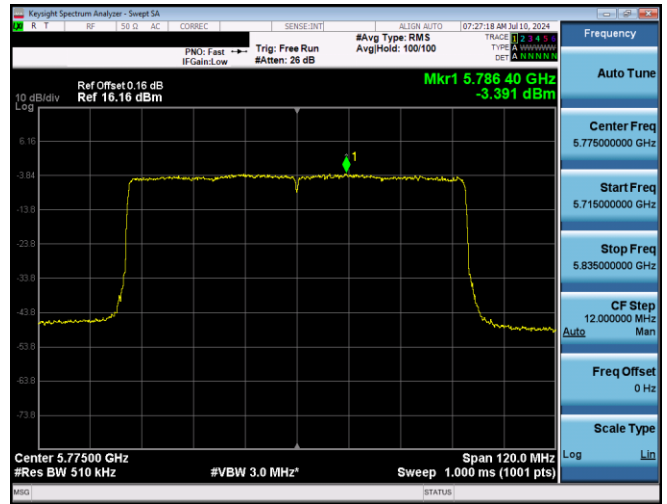
Plot 7-848. PSD CDD Diversity Antenna 1b (20MHz BW 802.11ax(SU) – Ch. 157, MCS2)



Plot 7-851. PSD CDD Diversity Antenna 1b (80MHz BW 802.11ac – Ch. 155, MCS2)



Plot 7-849. PSD CDD Diversity Antenna 1b (40MHz BW 802.11n – Ch. 151, MCS10)

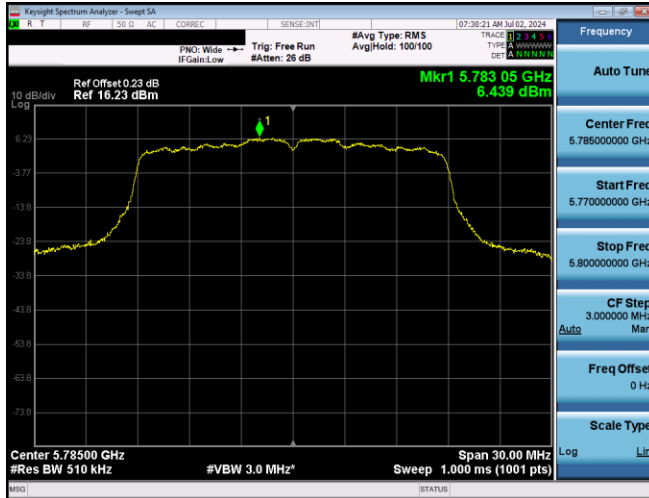


Plot 7-852. PSD CDD Diversity Antenna 1b (80MHz BW 802.11ax(SU) – Ch. 155, MCS2)

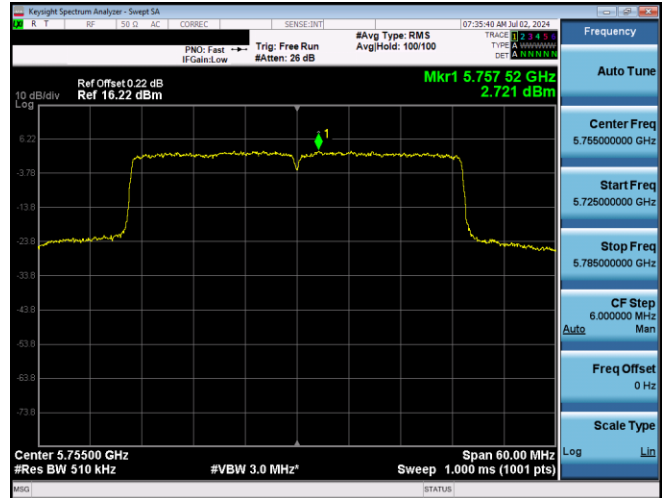
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG			
Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device		Page 278 of 595

V 10.6 10/27/2023

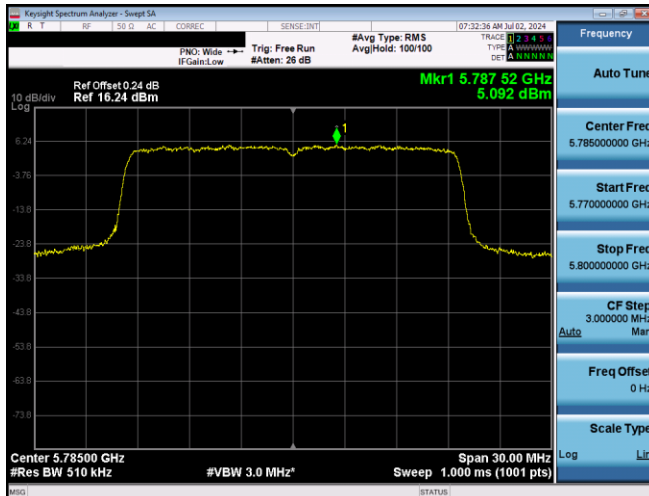
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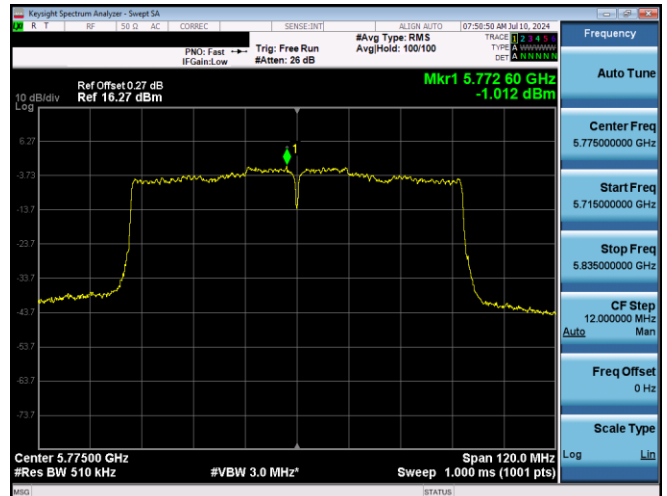
Plot 7-853. PSD CDD Diversity Antenna 1b (20MHz BW 802.11n – Ch. 157, MCS12)



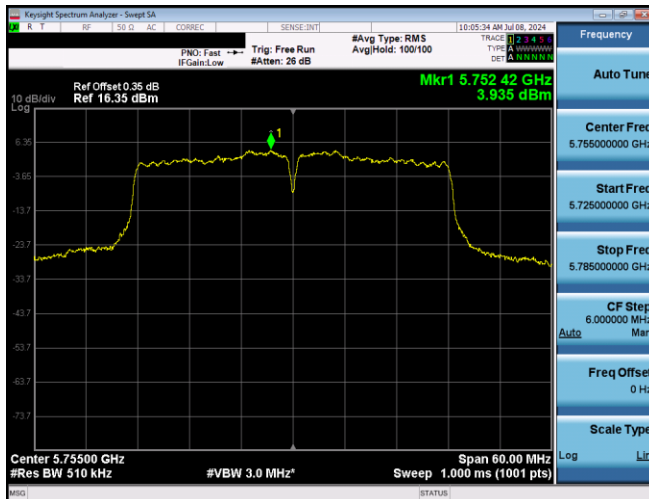
Plot 7-856. PSD CDD Diversity Antenna 1b (40MHz BW 802.11ax(SU) – Ch. 151, MCS4)



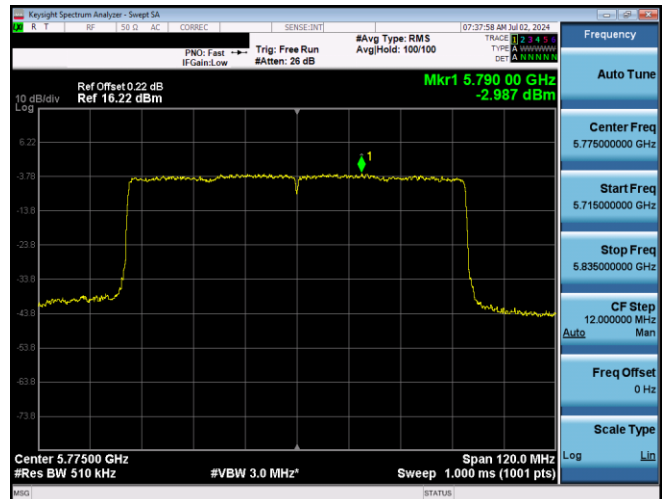
Plot 7-854. PSD CDD Diversity Antenna 1b (20MHz BW 802.11ax(SU) – Ch. 157, MCS4)



Plot 7-857. PSD CDD Diversity Antenna 1b (80MHz BW 802.11ac – Ch. 155, MCS4)

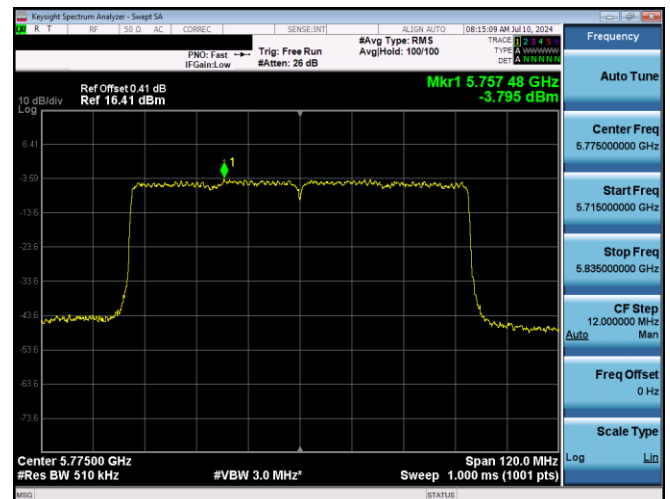
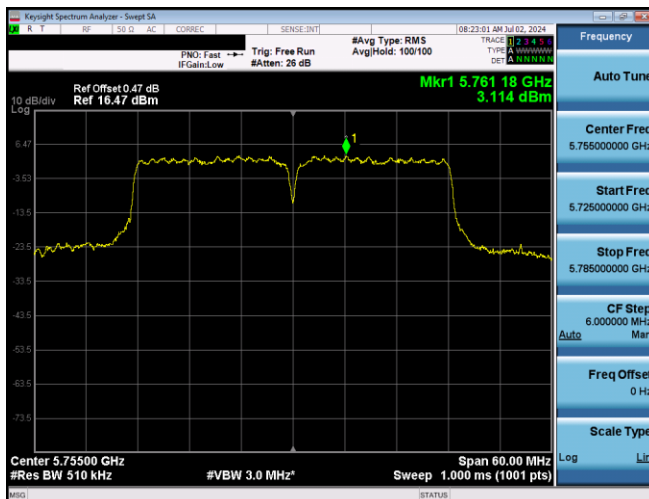
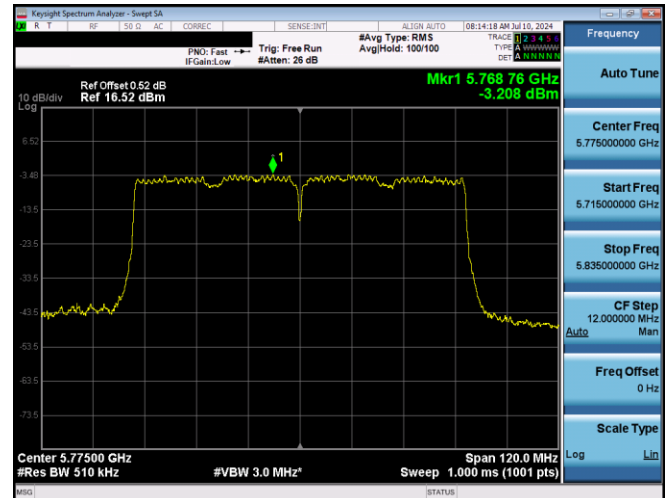
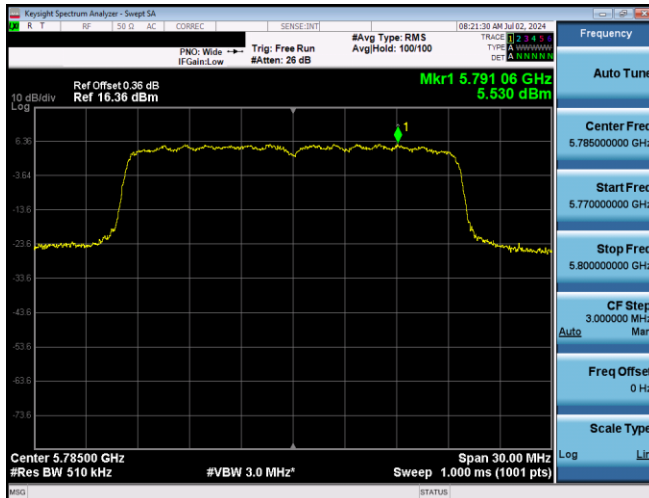
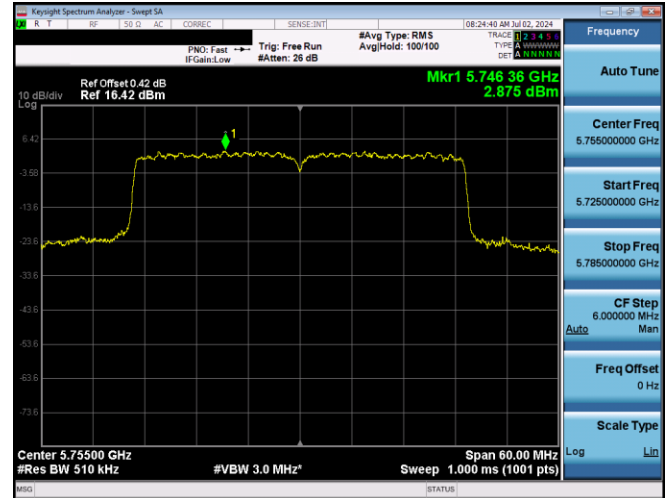
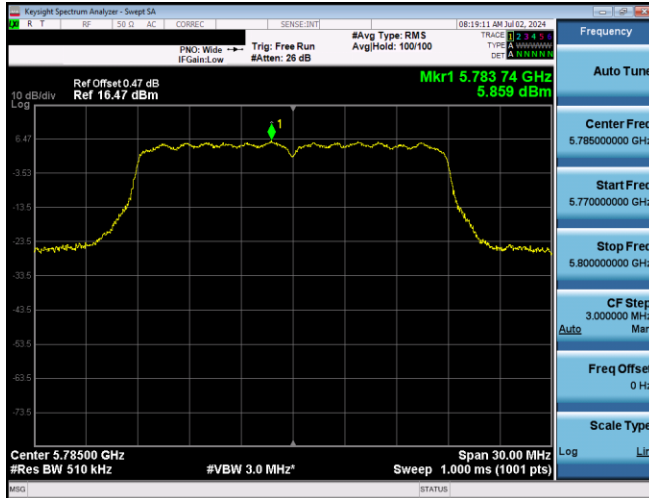


Plot 7-855. PSD CDD Diversity Antenna 1b (40MHz BW 802.11n – Ch. 151, MCS12)



Plot 7-858. PSD CDD Diversity Antenna 1b (80MHz BW 802.11ax(SU) – Ch. 155, MCS4)

FCC ID: BCGA2995 IC: 579C-A2995		<b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2405200018-22-R1.BCG	<b>Test Dates:</b> 5/20/2024 - 8/28/2024	<b>EUT Type:</b> Tablet Device	Page 279 of 595



FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG			
Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device		Page 280 of 595

	Frequency [MHz]	Channel No.	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 5T Power Density [dBm/MHz]	Antenna 1b 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	n (20MHz)	SDM	39/43.3 (MCS10)	1.49	1.51	4.51	1.96	3.47	10.0	-6.53
	5200	40	n (20MHz)	SDM	39/43.3 (MCS10)	1.81	1.61	4.72	1.96	3.57	10.0	-6.43
	5240	48	n (20MHz)	SDM	39/43.3 (MCS10)	1.66	1.49	4.59	1.96	3.45	10.0	-6.55
	5180	36	ax (SU) (20MHz)	SDM	48/51.6 (MCS2)	-0.07	0.11	3.03	1.96	2.07	10.0	-7.93
	5200	40	ax (SU) (20MHz)	SDM	48/51.6 (MCS2)	0.11	0.07	3.10	1.96	2.03	10.0	-7.97
	5240	48	ax (SU) (20MHz)	SDM	48/51.6 (MCS2)	0.34	0.09	3.22	1.96	2.04	10.0	-7.96
	5190	38	n (40MHz)	SDM	81/60 (MCS10)	1.38	1.45	4.43	1.96	3.41	10.0	-6.59
	5230	46	n (40MHz)	SDM	81/60 (MCS10)	1.04	1.21	4.13	1.96	3.16	10.0	-6.84
	5190	38	ax (SU) (40MHz)	SDM	98/103.2 (MCS2)	-0.91	-1.01	2.06	1.96	0.95	10.0	-9.05
	5230	46	ax (SU) (40MHz)	SDM	98/103.2 (MCS2)	-0.17	0.07	2.96	1.96	2.02	10.0	-7.98
	5210	42	ac (80MHz)	CDD	175.5/195 (MCS2)	-1.64	-2.17	1.11	4.67	2.50	10.0	-7.50
	5210	42	ax (SU) (80MHz)	CDD	204/216.2 (MCS2)	-3.17	-3.82	-0.47	4.67	0.86	10.0	-9.14
Band 1/2	5250	50	ac (160MHz)	CDD	175.5/195 (MCS2)	-5.49	-5.92	-2.69	4.67	-1.24	10.0	-11.24
	5250	50	ax (SU) (160MHz)	CDD	204/216.2 (MCS2)	-6.08	-6.96	-3.48	4.67	-2.28	10.0	-12.28

Table 7-242. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM Diversity (Low Data Rate)

	Frequency [MHz]	Channel No.	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 5T Power Density [dBm/MHz]	Antenna 1b 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	n (20MHz)	SDM	78/86.7 (MCS12)	1.86	1.26	4.58	1.96	3.22	10.0	-6.78
	5200	40	n (20MHz)	SDM	78/86.7 (MCS12)	1.79	1.60	4.70	1.96	3.55	10.0	-6.45
	5240	48	n (20MHz)	SDM	78/86.7 (MCS12)	1.72	1.90	4.82	1.96	3.86	10.0	-6.14
	5180	36	ax (SU) (20MHz)	SDM	98/103.2 (MCS4)	0.23	0.13	3.19	1.96	2.09	10.0	-7.91
	5200	40	ax (SU) (20MHz)	SDM	98/103.2 (MCS4)	0.23	0.15	3.20	1.96	2.11	10.0	-7.89
	5240	48	ax (SU) (20MHz)	SDM	98/103.2 (MCS4)	0.12	0.39	3.27	1.96	2.34	10.0	-7.66
	5190	38	n (40MHz)	SDM	162/180 (MCS12)	1.13	0.73	3.94	1.96	2.68	10.0	-7.32
	5230	46	n (40MHz)	SDM	162/180 (MCS12)	1.07	1.47	4.28	1.96	3.42	10.0	-6.58
	5190	38	ax (SU) (40MHz)	SDM	196/206.5 (MCS4)	-0.81	-0.62	2.30	1.96	1.33	10.0	-8.67
	5230	46	ax (SU) (40MHz)	SDM	196/206.5 (MCS4)	0.05	-0.13	2.97	1.96	1.83	10.0	-8.17
	5210	42	ac (80MHz)	CDD	351/390 (MCS4)	-2.25	-2.46	0.65	4.67	2.21	10.0	-7.79
	5210	42	ax (SU) (80MHz)	CDD	408/432.4 (MCS4)	-3.90	-3.93	-0.90	4.67	0.75	10.0	-9.25
Band 1/2	5250	50	ac (160MHz)	CDD	351/390 (MCS4)	-5.41	-6.05	-2.71	4.67	-1.38	10.0	-11.38
	5250	50	ax (SU) (160MHz)	CDD	408/432.4 (MCS4)	-6.18	-6.64	-3.39	4.67	-1.97	10.0	-11.97

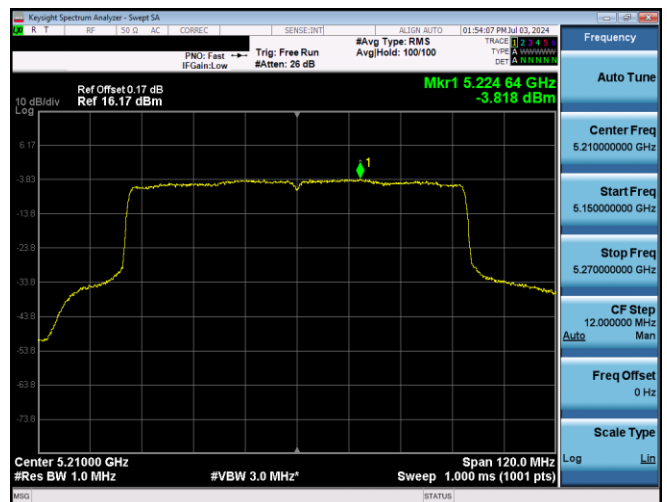
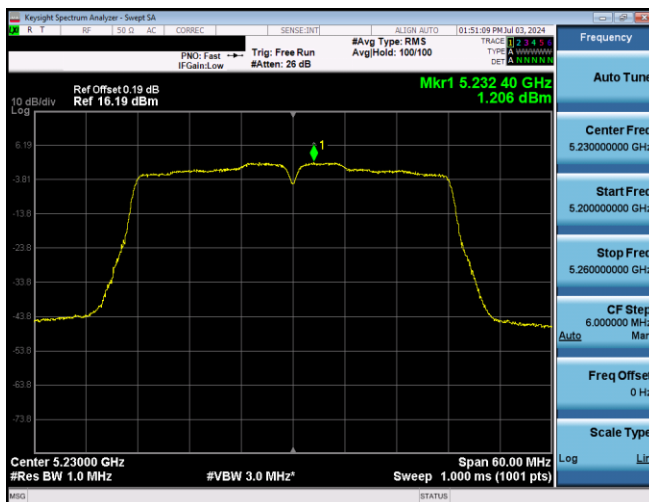
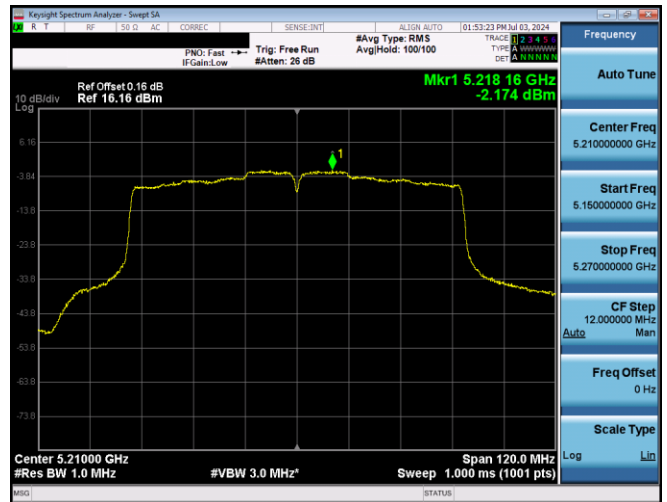
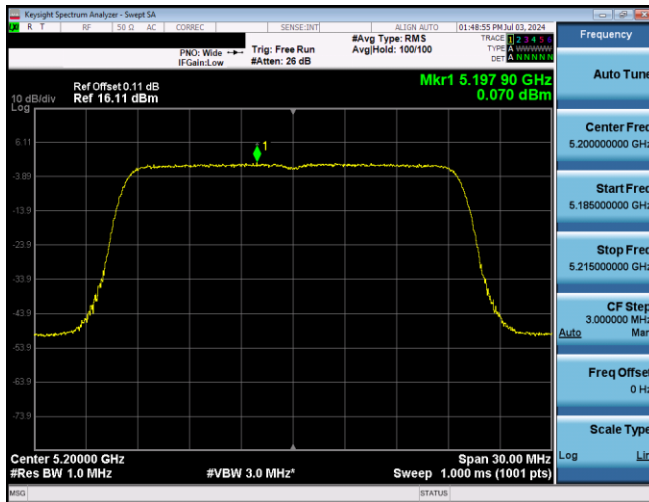
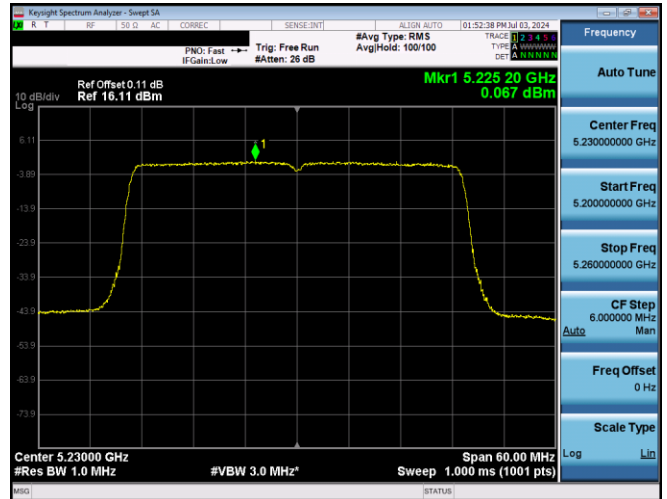
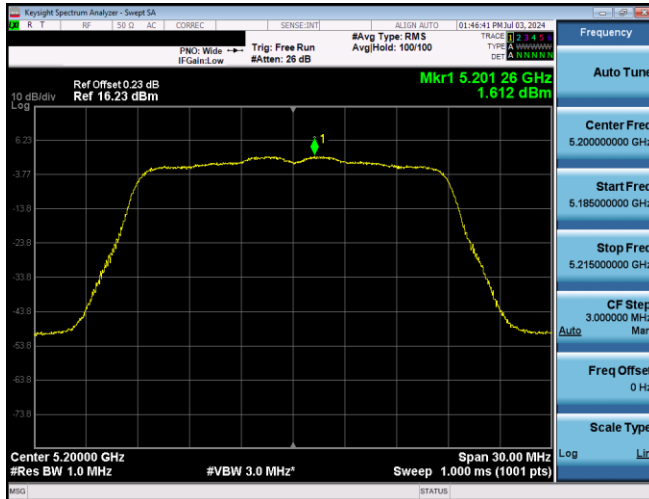
Table 7-243. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM Diversity (Mid Data Rate)

	Frequency [MHz]	Channel No.	802.11 MODE	Mode	Data Rate [Mbps]	Antenna 5T Power Density [dBm/MHz]	Antenna 1b 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	n (20MHz)	SDM	130/144.4 (MCS15)	0.64	0.42	3.54	1.96	2.37	10.0	-7.63
	5200	40	n (20MHz)	SDM	130/144.4 (MCS15)	0.55	0.41	3.49	1.96	2.37	10.0	-7.63
	5240	48	n (20MHz)	SDM	130/144.4 (MCS15)	0.61	0.56	3.59	1.96	2.51	10.0	-7.49
	5180	36	ax (SU) (20MHz)	SDM	270/286.8 (MCS11)	0.15	-0.09	3.05	1.96	1.87	10.0	-8.13
	5200	40	ax (SU) (20MHz)	SDM	270/286.8 (MCS11)	0.14	0.47	3.31	1.96	2.42	10.0	-7.58
	5240	48	ax (SU) (20MHz)	SDM	270/286.8 (MCS11)	0.36	0.08	3.23	1.96	2.03	10.0	-7.97
	5190	38	n (40MHz)	SDM	270/300 (MCS15)	-0.90	-0.86	2.13	1.96	1.09	10.0	-8.91
	5230	46	n (40MHz)	SDM	270/300 (MCS15)	0.46	-0.18	3.16	1.96	1.78	10.0	-8.22
	5190	38	ax (SU) (40MHz)	SDM	271/286.8 (MCS11)	-0.87	-1.26	1.95	1.96	0.69	10.0	-9.31
	5230	46	ax (SU) (40MHz)	SDM	271/286.8 (MCS11)	-0.08	0.23	3.09	1.96	2.18	10.0	-7.82
	5210	42	ac (80MHz)	CDD	780/866.7 (MCS9)	-3.41	-3.75	-0.57	4.67	0.93	10.0	-9.07
	5210	42	ax (SU) (80MHz)	CDD	1134/1201 (MCS11)	-3.57	-4.09	-0.81	4.67	0.58	10.0	-9.42
Band 1/2	5250	50	ac (160MHz)	CDD	780/866.7 (MCS9)	-6.59	-6.80	-3.68	4.67	-2.12	10.0	-12.12
	5250	50	ax (SU) (160MHz)	CDD	1134/1201 (MCS11)	-7.19	-7.69	-4.42	4.67	-3.01	10.0	-13.01

Table 7-244. ISED Band 1 e.i.r.p. Power Spectral Density Measurements CDD/SDM Diversity (High Data Rate)

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 281 of 595



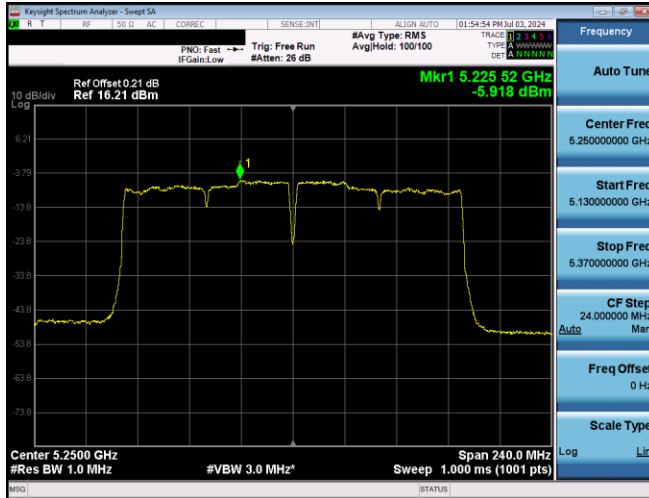


FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 282 of 595

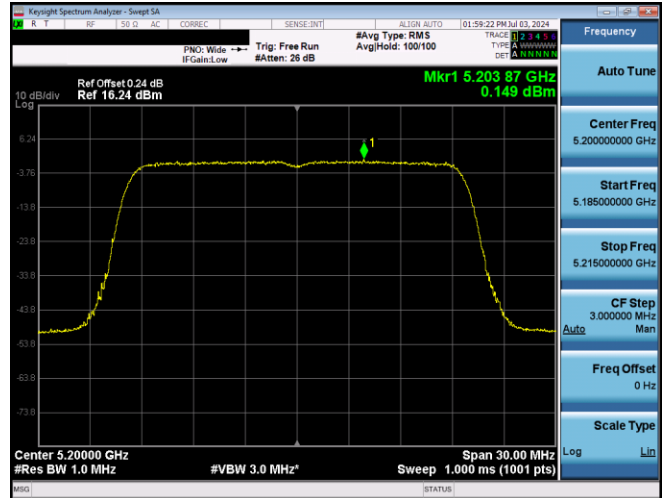
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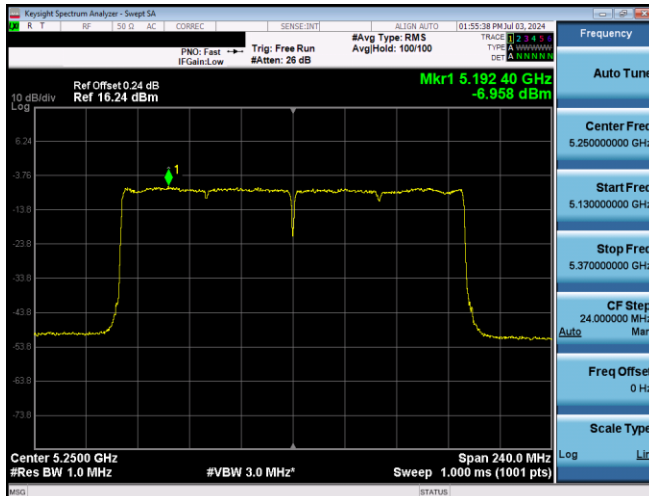




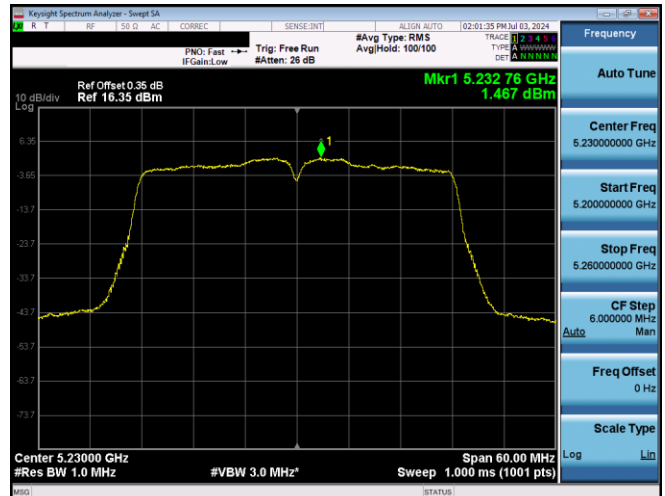
Plot 7-871. ISED PSD CDD Diversity Antenna 1b (160MHz BW 11ac – Ch.50, MCS2)



Plot 7-874. ISED PSD SDM Diversity Antenna 1b (20MHz BW 11ax(SU) – Ch.40, MCS4)



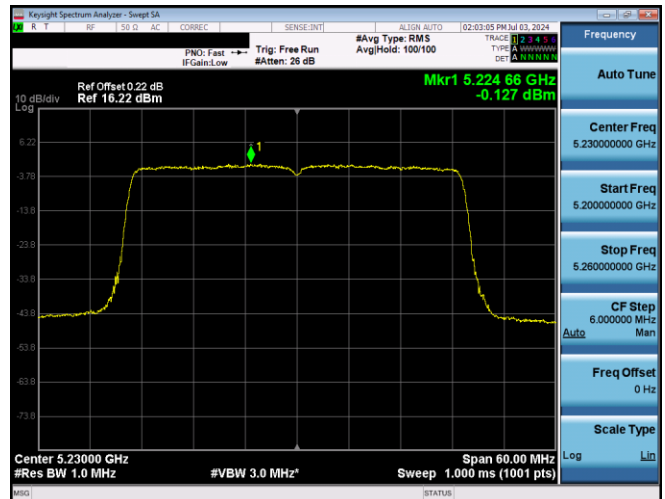
Plot 7-872. ISED PSD CDD Diversity Antenna 1b (160MHz BW 11ax (SU) – Ch.50, MCS2)



Plot 7-875. ISED PSD SDM Diversity Antenna 1b (40MHz BW 11n – Ch.46, MCS12)



Plot 7-873. ISED PSD CDD Diversity Antenna 1b (20MHz BW 11n – Ch.40, MCS12)

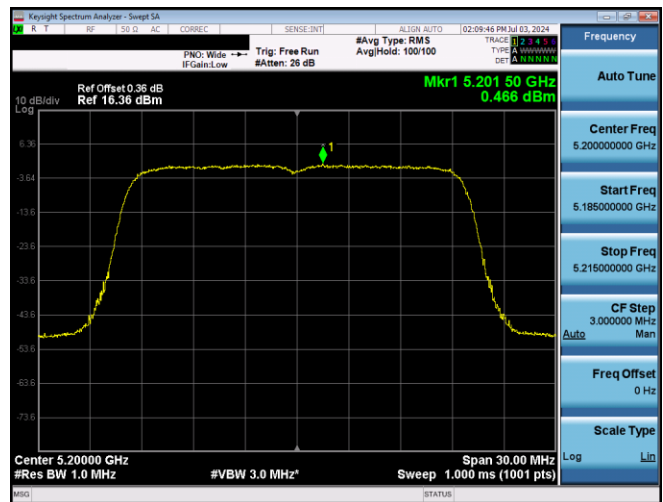
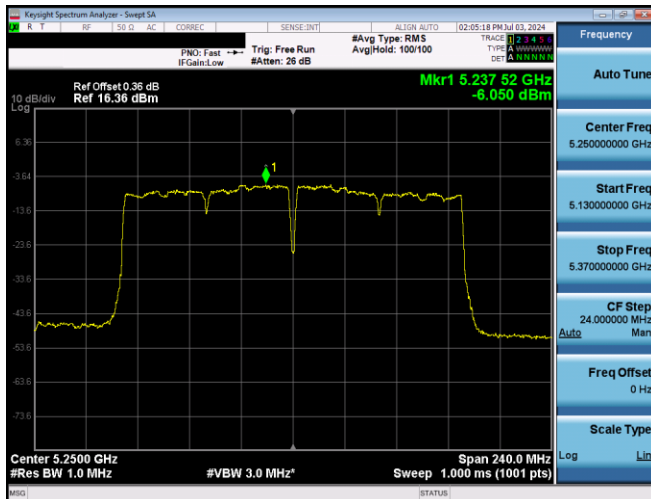
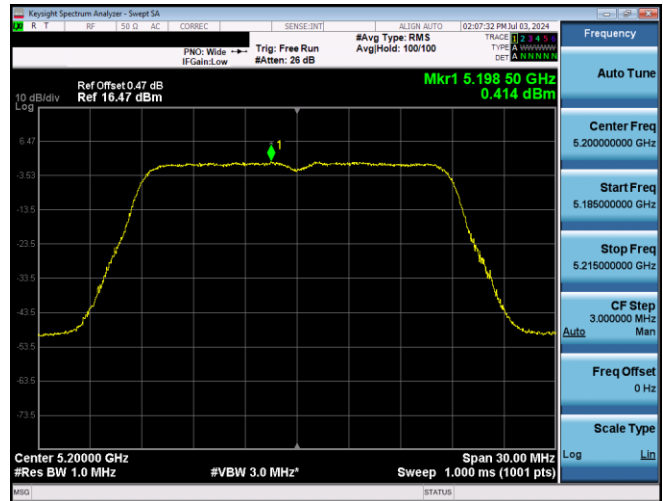
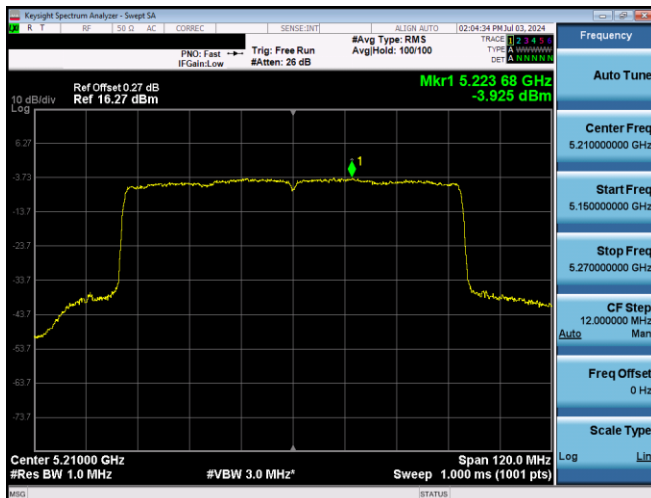
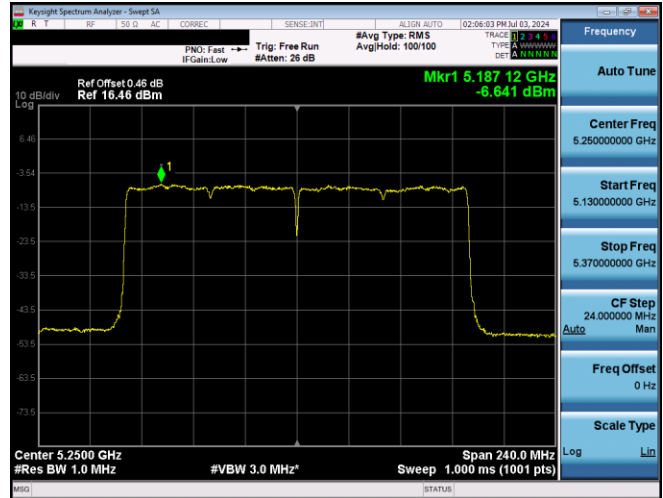
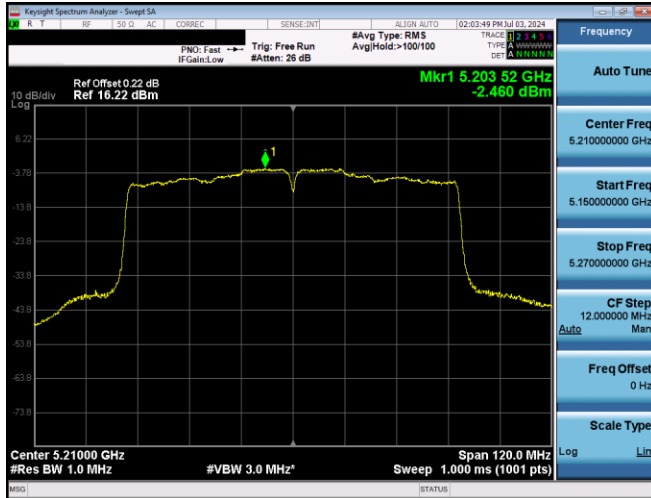


Plot 7-876. ISED SDM Diversity PSD Antenna 1b (40MHz BW 11ax(SU) – Ch.46, MCS4)

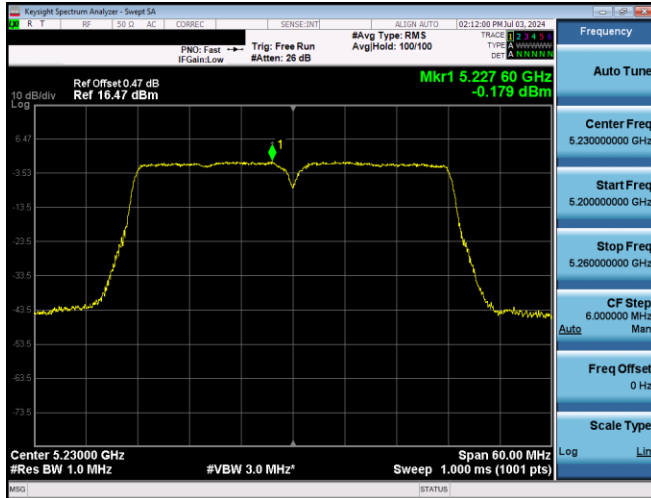
FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG			Page 283 of 595
Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device		

V 10.6 10/27/2023

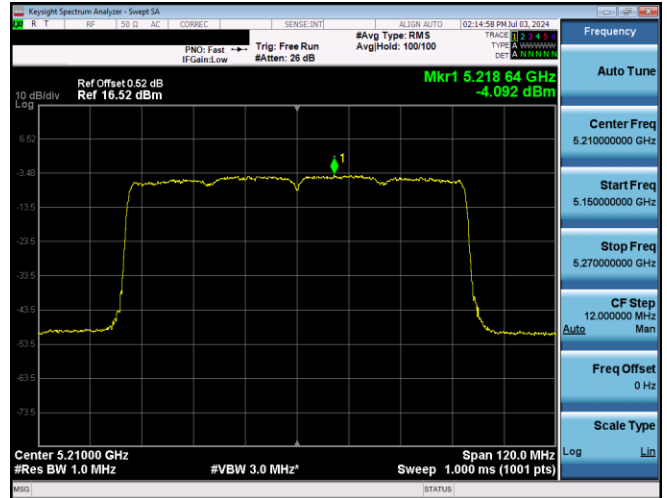
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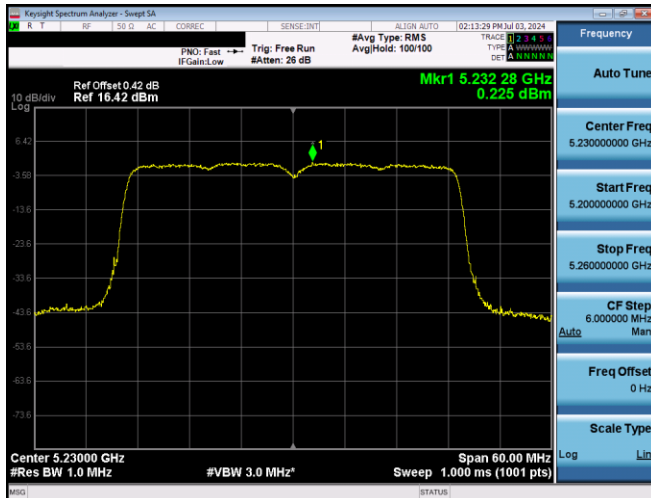
FCC ID: BCGA2995 IC: 579C-A2995	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 284 of 595



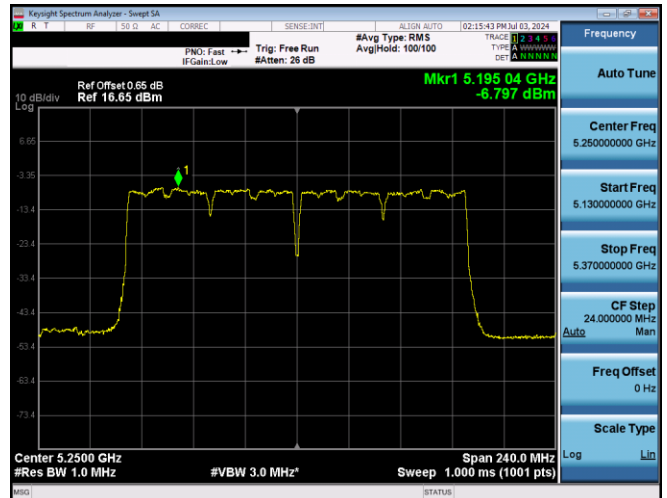
Plot 7-883. ISSED PSD SDM Diversity Antenna 1b (40MHz BW 11n - Ch.46, MCS15)



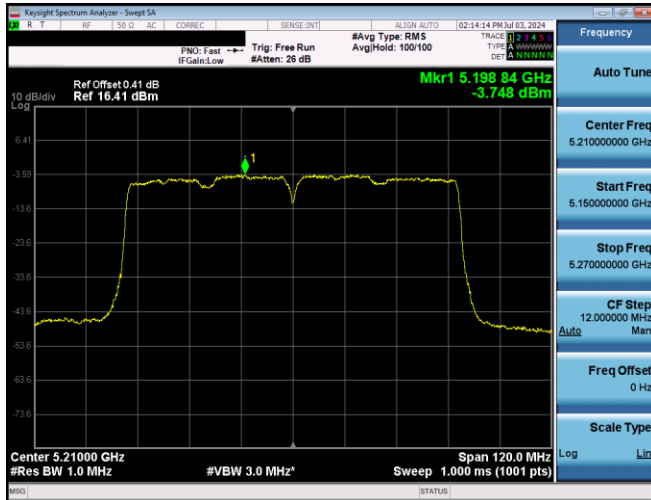
Plot 7-886. ISSED PSD CDD Diversity Antenna 1b (80MHz BW 11ax (SU) - Ch.42, MCS11)



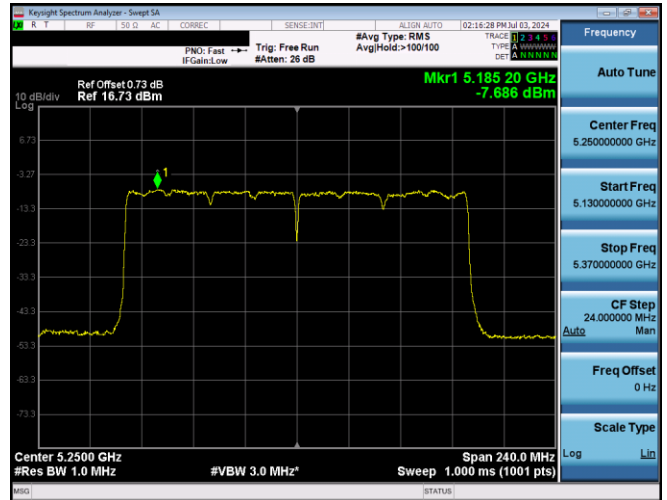
Plot 7-884. ISSED PSD SDM Diversity Antenna 1b (40MHz BW 11ax(SU) - Ch.46, MCS11)



Plot 7-887. ISSED PSD CDD Diversity Antenna 1b (160MHz BW 11ac - Ch.50, MCS9)



Plot 7-885. ISSED PSD CDD Diversity Antenna 1b (80MHz BW 11ac - Ch.42, MCS9)



Plot 7-888. ISSED PSD CDD Diversity Antenna 1b (160MHz BW 11ax (SU) - Ch.50, MCS11)

FCC ID: BCGA2995 IC: 579C-A2995	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 285 of 595

## 7.6 Radiated Spurious Emissions – 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. 802.11a, 802.11n, 802.11ax(SU) (20MHz BW), 802.11n, 802.11ax(SU) (40MHz BW), and 802.11ac, 802.11ax(SU) (80,160MHz BW), 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 7-245 per Section 15.209 and RSS-Gen (8.9).***

Frequency	Field Strength [ $\mu$ V/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

**Table 7-245. Radiated Limits**

### Test Procedures Used

ANSI C63.10-2020 – Sections 12.7.7.2, 12.7.6

KDB 789033 D02 v02r01 – Section G

### 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  $\geq 2 \times \text{span/RBW}$ )
6. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 286 of 595

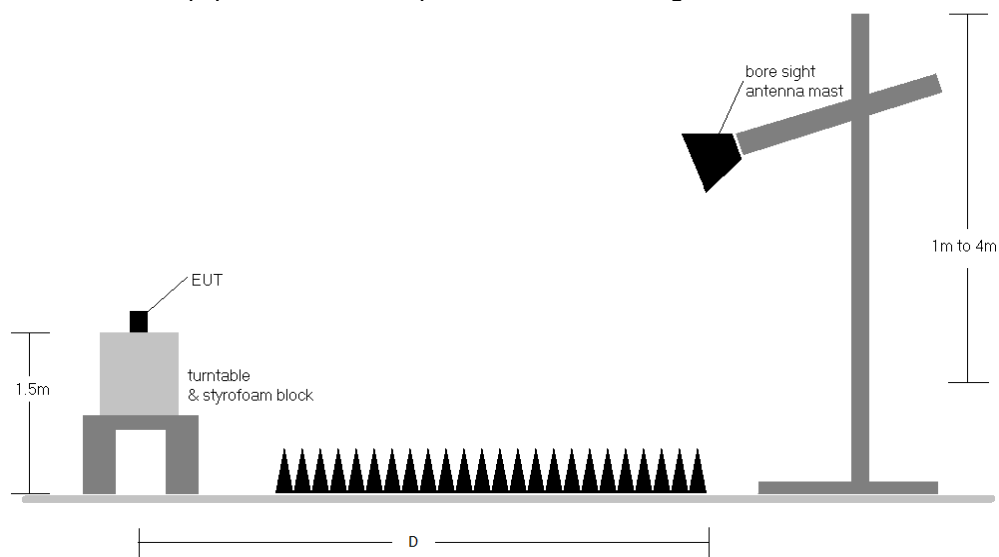
V 10.6 10/27/2023

### 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**

<b>FCC ID:</b> BCGA2995 <b>IC:</b> 579C-A2995	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2405200018-22-R1.BCG	<b>Test Dates:</b> 5/20/2024 - 8/28/2024	<b>EUT Type:</b> Tablet Device	Page 287 of 595

V 10.6 10/27/2023

## 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 7-245.
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 7-245. 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 dB $\mu$ V/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 68.2dB $\mu$ V/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. All data rates were investigated and only the worse case is reported
9. The unit was tested with all possible modes and only the highest emission is reported.
10. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

## Sample Calculations

### Determining Spurious Emissions Levels

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

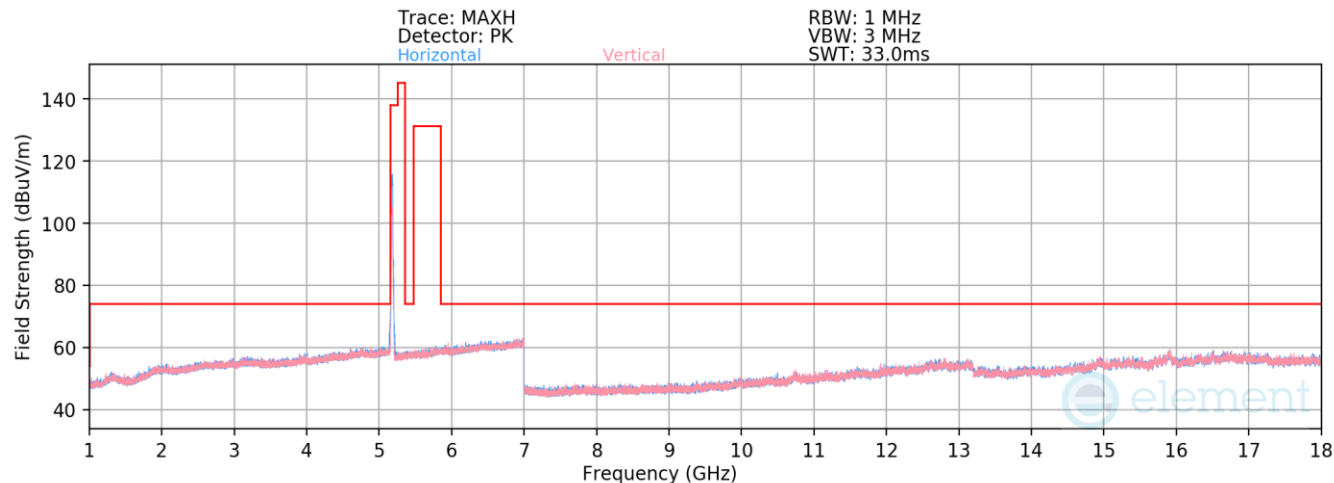
### Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.6.6 to 7.6.25 was calculated using the formula:  
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 288 of 595

V 10.6 10/27/2023

## 7.6.1 Antenna 5T Radiated Spurious Emission




**Plot 7-889. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11n – Ch. 36)**

Mode: 802.11n  
Data Rate: MCS0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5180MHz  
Channel: 36

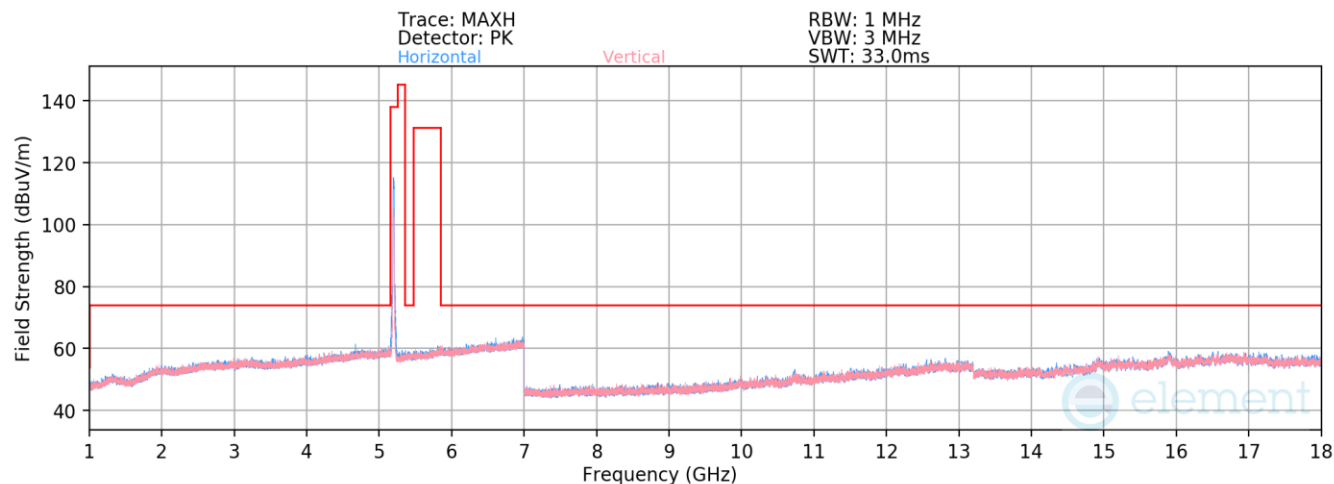
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10360.00	Peak	V	-	-	-71.80	15.41	50.61	68.23	-17.62
* 15540.00	Average	V	-	-	-85.05	23.50	45.45	53.98	-8.53
* 15540.00	Peak	V	-	-	-73.52	23.50	56.98	73.98	-17.00

**Table 7-246. Radiated Spurious Emission Measurements Antenna 5T**

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 289 of 595

V 10.6 10/27/2023






**Plot 7-890. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11n – Ch. 40)**

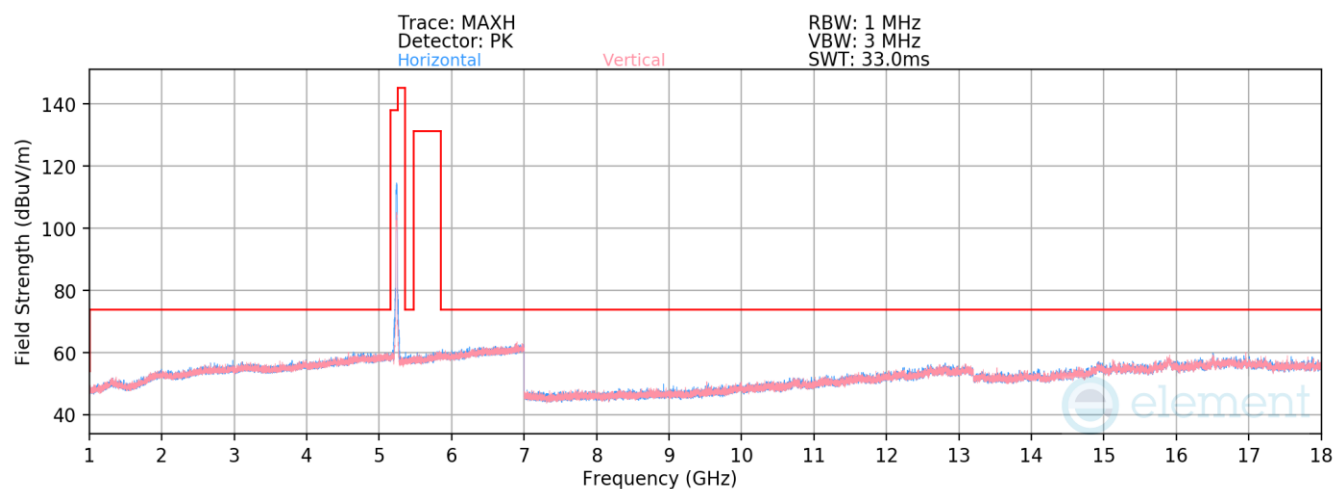
Mode: 802.11n  
Data Rate: MCS0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5200MHz  
Channel: 40

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10400.00	Peak	V	-	-	-71.11	14.63	50.52	68.23	-17.71
* 15600.00	Average	V	-	-	-85.17	23.30	45.13	53.98	-8.85
* 15600.00	Peak	V	-	-	-73.18	22.99	56.81	73.98	-17.17

**Table 7-247. Radiated Spurious Emission Measurements Antenna 5T**

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 290 of 595

V 10.6 10/27/2023




**Plot 7-891. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11n – Ch. 48)**

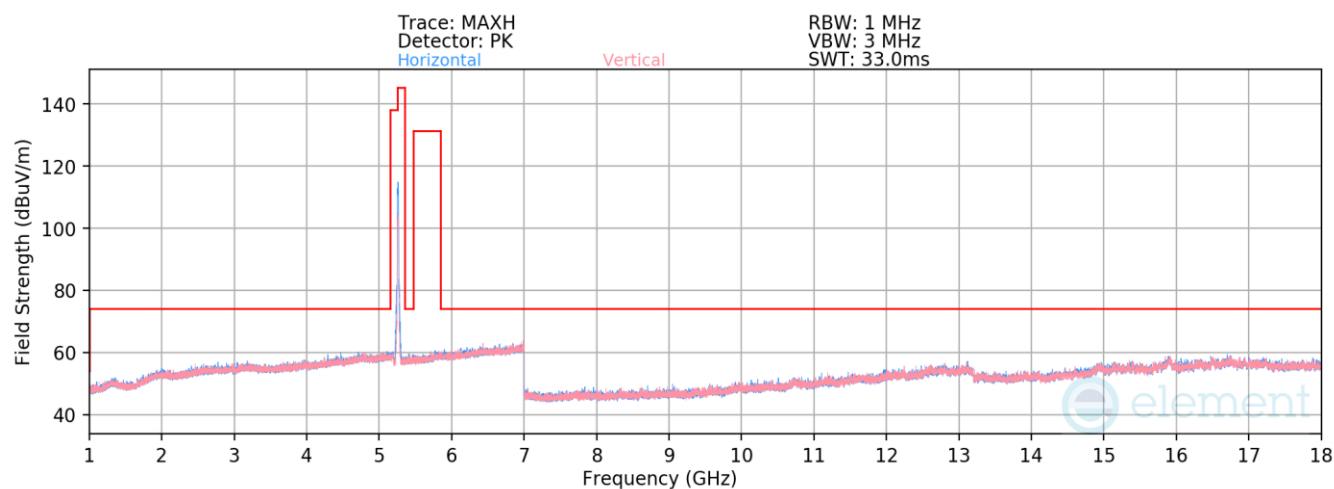
Mode: 802.11n  
Data Rate: MCS0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5240MHz  
Channel: 48

	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	V	-	-	-71.55	15.24	50.69	68.23	-17.54
*	15720.00	Average	H	-	-	-84.63	23.90	46.26	53.98	-7.72
*	15720.00	Peak	H	-	-	-73.46	23.90	57.44	73.98	-16.54

**Table 7-248. Radiated Spurious Emission Measurements Antenna 5T**

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 291 of 595

V 10.6 10/27/2023




**Plot 7-892. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11n – Ch. 52)**

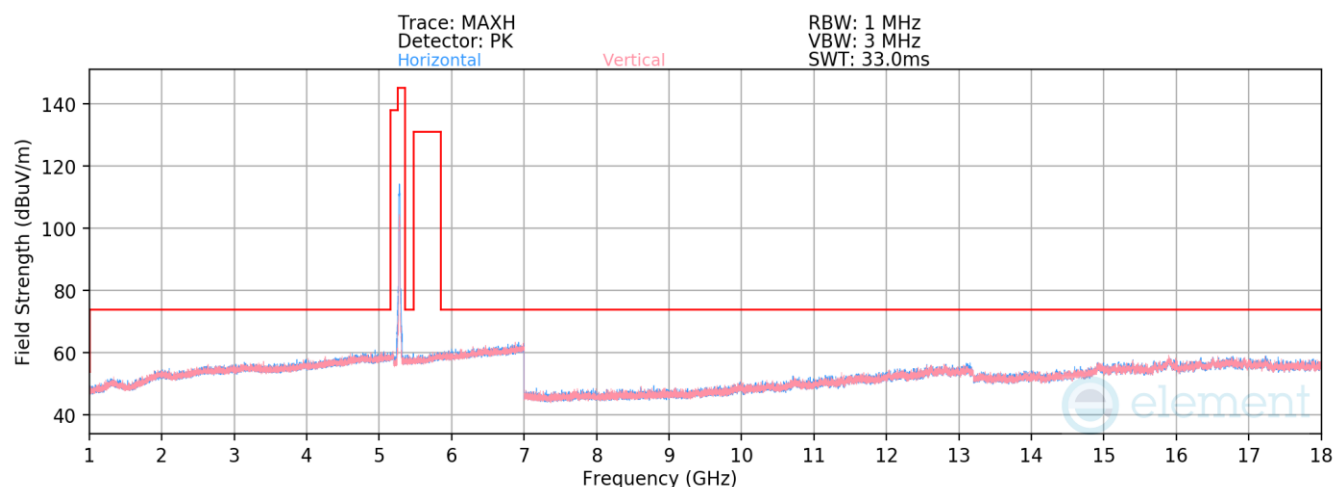
Mode: 802.11n  
Data Rate: MCS0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5260MHz  
Channel: 52

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10520.00	Peak	H	-	-	-71.49	15.20	50.72	68.23	-17.51
* 15780.00	Average	H	-	-	-84.44	24.23	46.79	53.98	-7.19
* 15780.00	Peak	H	-	-	-73.49	24.23	57.74	73.98	-16.24

**Table 7-249. Radiated Spurious Emission Measurements Antenna 5T**

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 292 of 595

V 10.6 10/27/2023




**Plot 7-893. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11n – Ch. 56)**

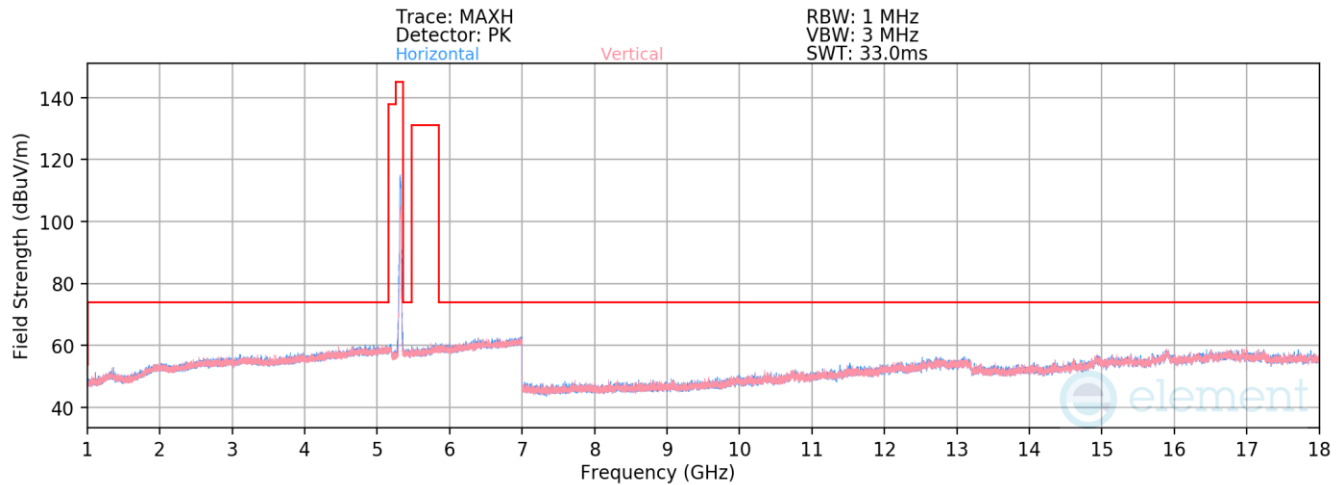
Mode: 802.11n  
Data Rate: MCS0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5280MHz  
Channel: 56

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	H	-	-	-70.87	14.75	50.88	68.23	-17.35
* 15840.00	Average	V	-	-	-84.45	24.55	47.11	53.98	-6.87
* 15840.00	Peak	V	-	-	-73.26	23.85	57.59	73.98	-16.39

**Table 7-250. Radiated Spurious Emission Measurements Antenna 5T**

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 293 of 595

V 10.6 10/27/2023




**Plot 7-894. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11n – Ch. 64)**

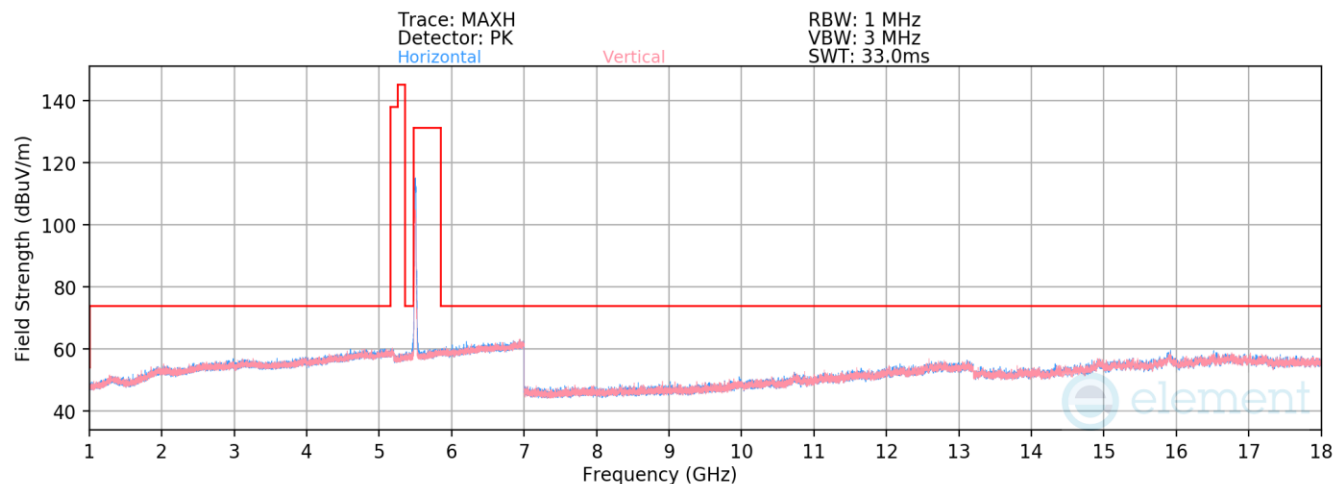
Mode: 802.11n  
Data Rate: MCS0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5320MHz  
Channel: 64

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	10640.00	Average	H	-	-	-82.71	15.59	39.88	53.98	-14.10
*	10640.00	Peak	H	-	-	-70.48	15.25	51.76	73.98	-22.22
*	15960.00	Average	V	-	-	-84.83	24.43	46.59	53.98	-7.39
*	15960.00	Peak	V	-	-	-73.61	24.43	57.82	73.98	-16.16

**Table 7-251. Radiated Spurious Emission Measurements Antenna 5T**

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 294 of 595

V 10.6 10/27/2023




**Plot 7-895. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11n – Ch. 100)**

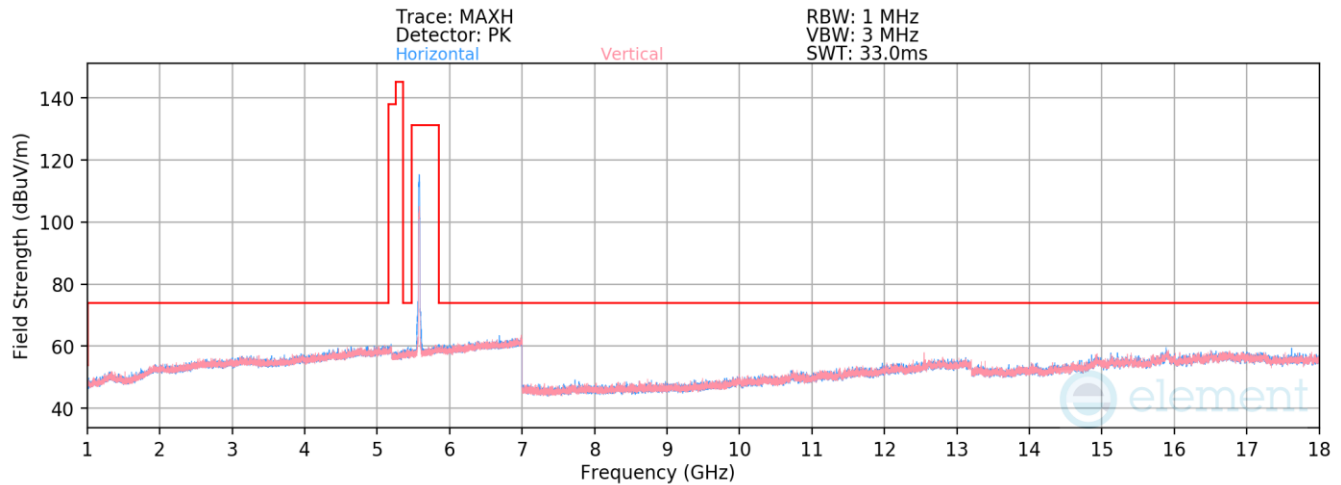
Mode: 802.11n  
Data Rate: MCS0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5500MHz  
Channel: 100

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11000.00	Average	V	-	-	-83.44	16.40	39.96	53.98	-14.02
*	11000.00	Peak	V	-	-	-71.83	15.97	51.13	73.98	-22.85
	16500.00	Peak	V	-	-	-73.31	25.04	58.73	68.23	-9.50

**Table 7-252. Radiated Spurious Emission Measurements Antenna 5T**

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 295 of 595

V 10.6 10/27/2023




**Plot 7-896. Radiated Spurious Emissions above 1GHz Antenna 5T (802.11n – Ch. 116)**

Mode: 802.11n  
Data Rate: MCS0  
Distance of Measurements: 3 Meters  
Operating Frequency: 5580Hz  
Channel: 116

	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]
*	11160.00	Average	H	-	-	-82.78	16.49	40.71	53.98	-13.27
*	11160.00	Peak	H	-	-	-71.83	16.49	51.66	73.98	-22.32
	16740.00	Peak	H	-	-	-72.46	24.37	58.91	68.23	-9.32

**Table 7-253. Radiated Spurious Emission Measurements Antenna 5T**

FCC ID: BCGA2995 IC: 579C-A2995		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2405200018-22-R1.BCG	Test Dates: 5/20/2024 - 8/28/2024	EUT Type: Tablet Device	Page 296 of 595

V 10.6 10/27/2023