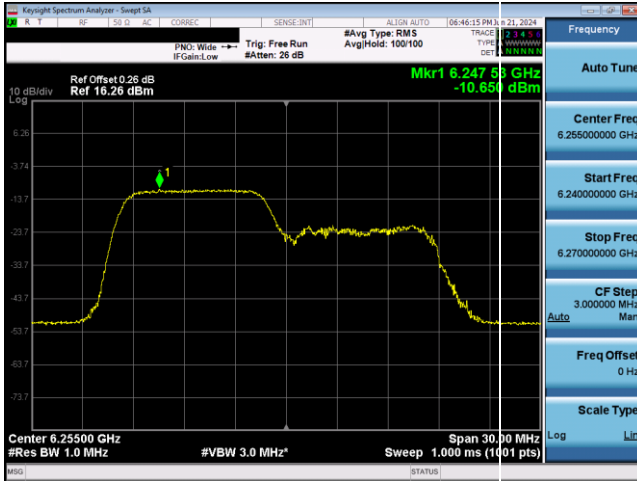
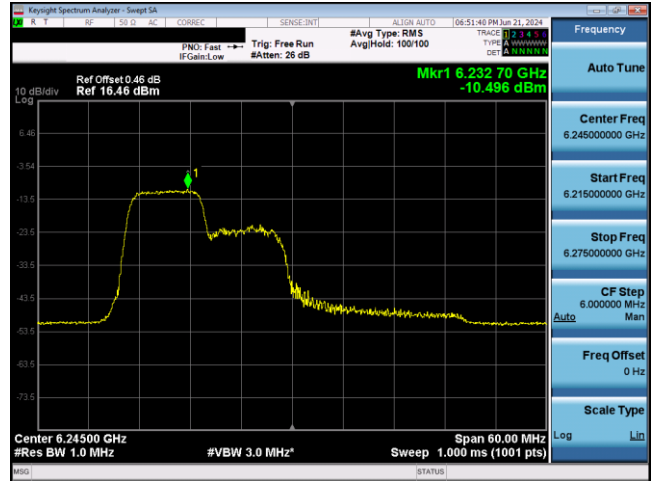
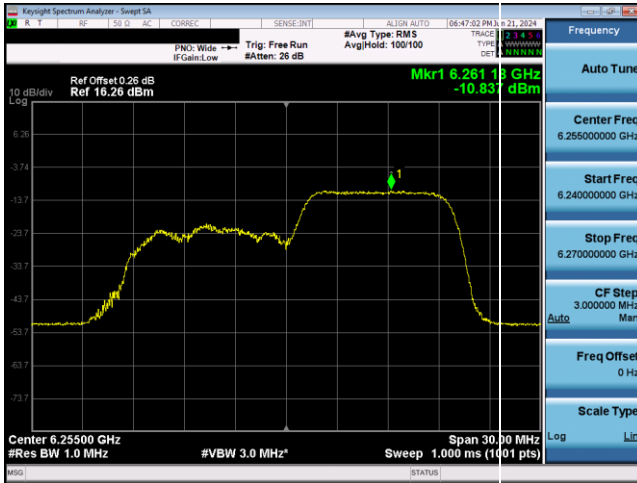




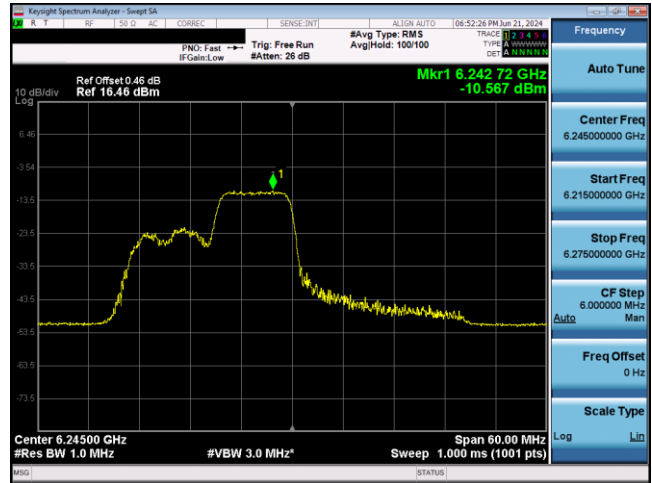
Plot 7-637. VLP Power Spectral Density Plot Antenna WF5T (20MHz) 802.11ax RU106 (UNII Band 5) - Ch. 61)



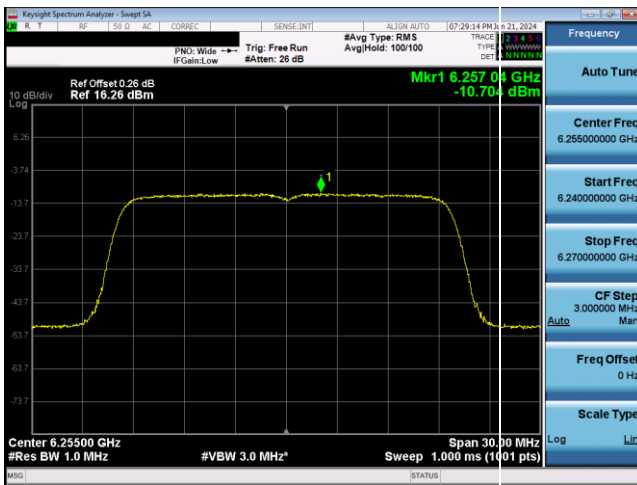
Plot 7-640. VLP Power Spectral Density Plot Antenna WF5T (40MHz) 802.11ax RU106 (UNII Band 5) - Ch. 59)



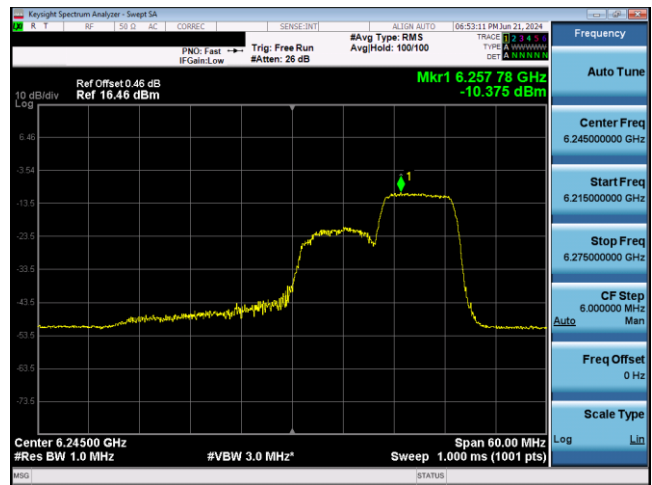
Plot 7-638. VLP Power Spectral Density Plot Antenna WF5T (20MHz) 802.11ax RU106 (UNII Band 5) - Ch. 61)



Plot 7-641. VLP Power Spectral Density Plot Antenna WF5T (40MHz) 802.11ax RU106 (UNII Band 5) - Ch. 59)

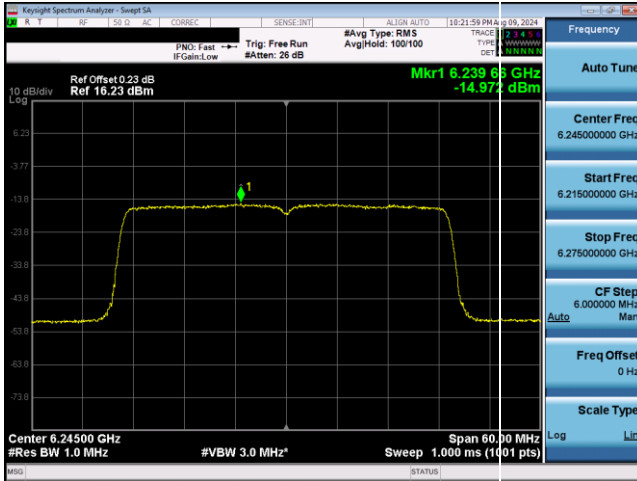


Plot 7-639. VLP Power Spectral Density Plot Antenna WF5T (20MHz) 802.11ax RU242 (UNII Band 5) - Ch. 61)

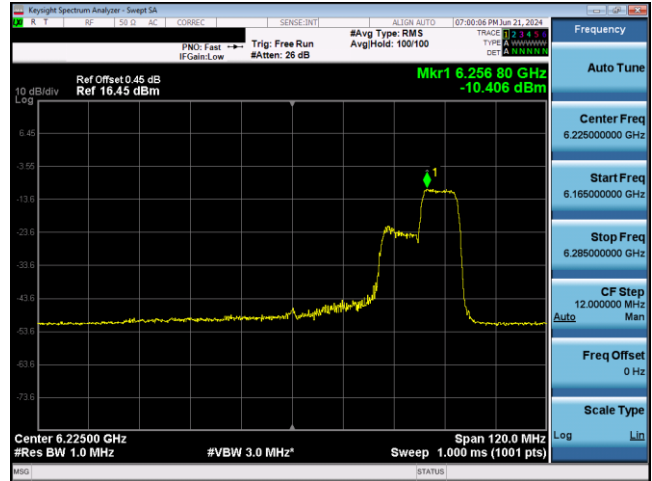


Plot 7-642. VLP Power Spectral Density Plot Antenna WF5T (40MHz) 802.11ax RU106 (UNII Band 5) - Ch. 59)

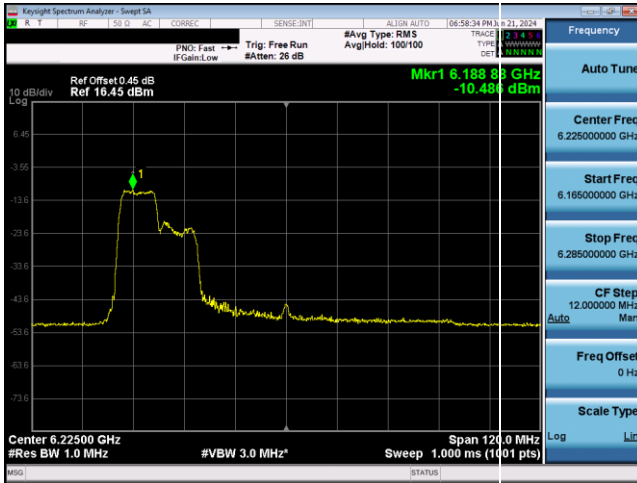
FCC ID: BCGA2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 203 of 464



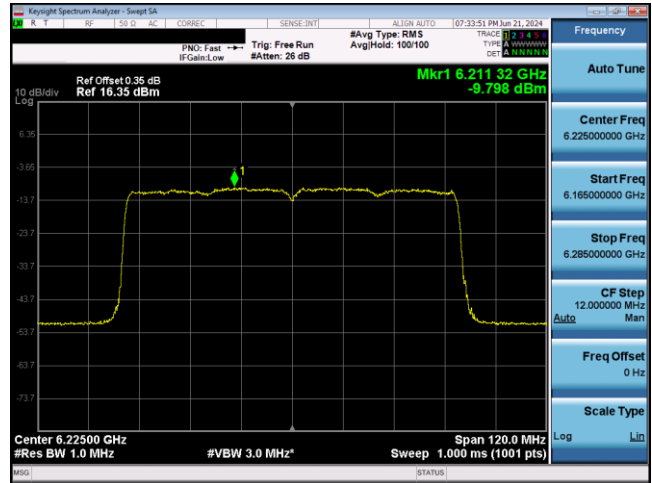
Plot 7-643. VLP Power Spectral Density Plot Antenna WF5T (40MHz) 802.11ax RU484 (UNII Band 5) - Ch. 59)



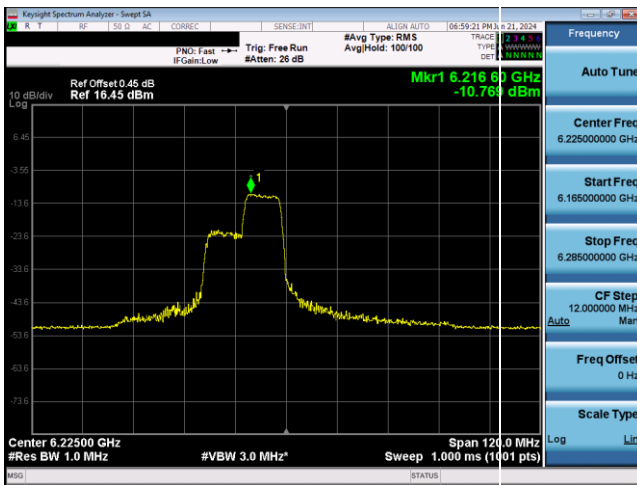
Plot 7-646. VLP Power Spectral Density Plot Antenna WF5T (80MHz) 802.11ax RU106 (UNII Band 5) - Ch. 55)



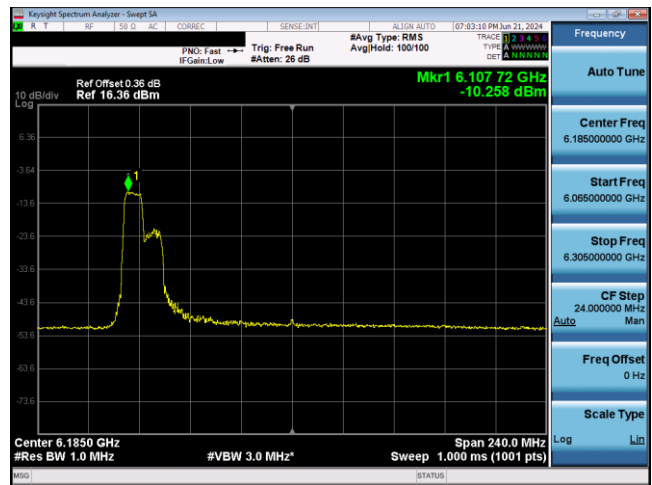
Plot 7-644. VLP Power Spectral Density Plot Antenna WF5T (80MHz) 802.11ax RU106 (UNII Band 5) - Ch. 55)



Plot 7-647. VLP Power Spectral Density Plot Antenna WF5T (80MHz) 802.11ax RU996 (UNII Band 5) - Ch. 55)

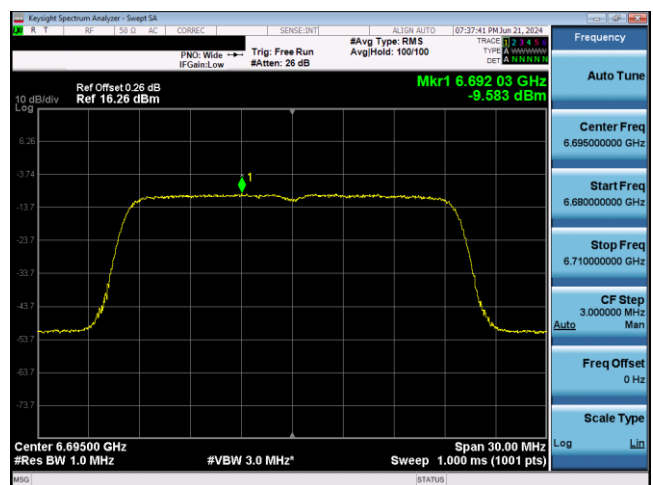
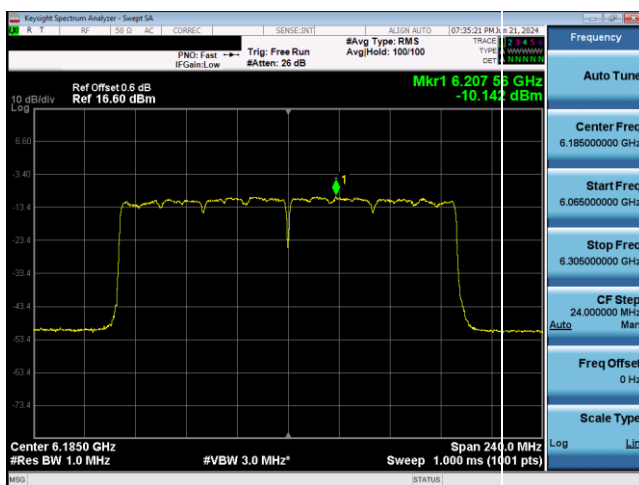
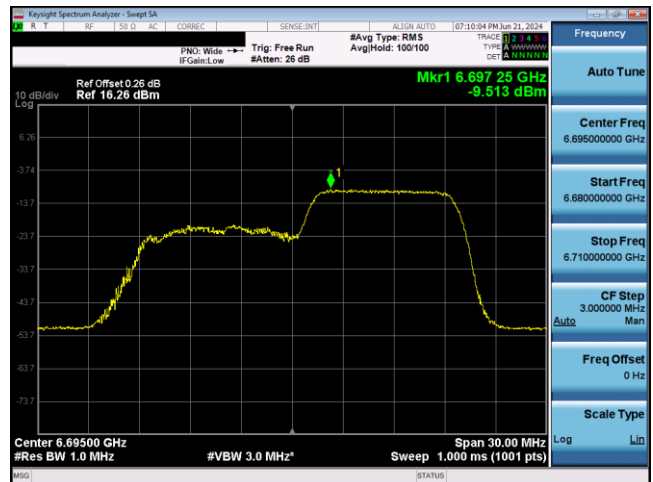
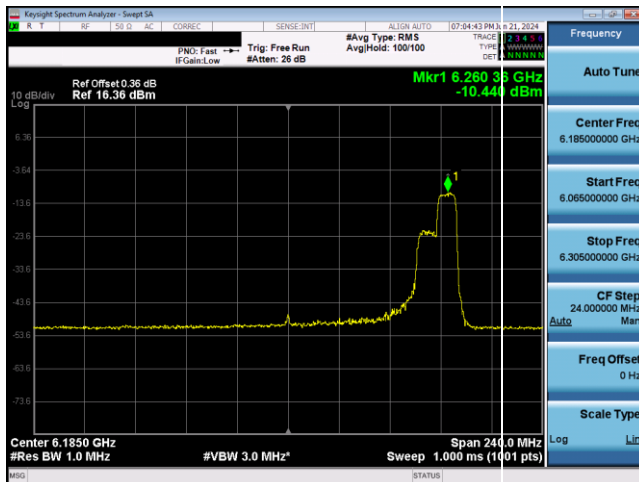
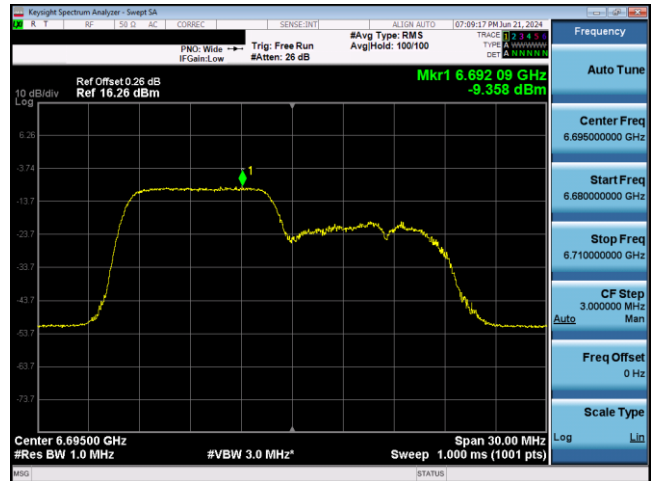
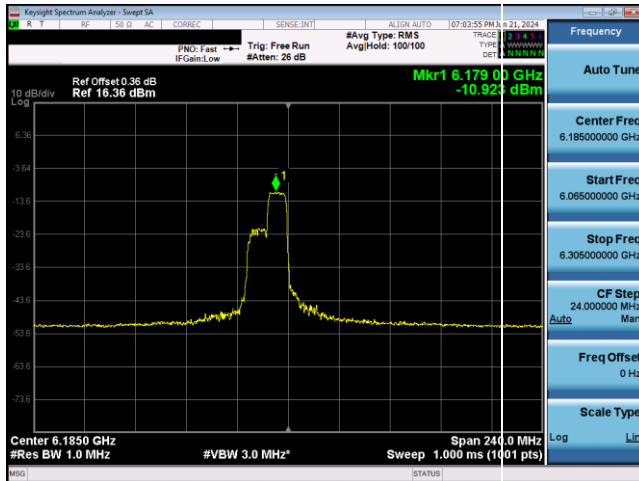


Plot 7-645. VLP Power Spectral Density Plot Antenna WF5T (80MHz) 802.11ax RU106 (UNII Band 5) - Ch. 55)

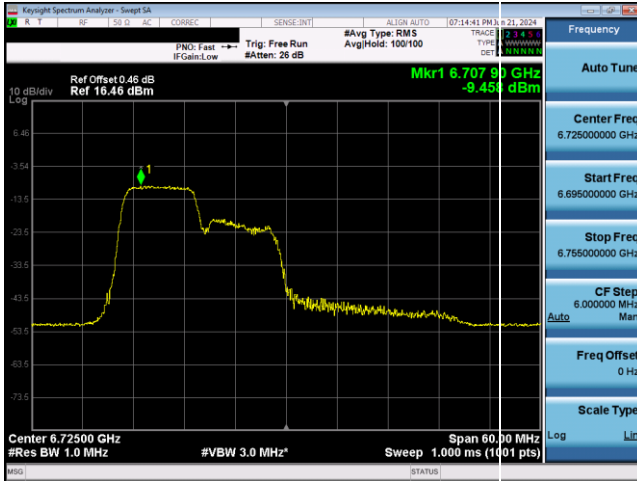


Plot 7-648. VLP Power Spectral Density Plot Antenna WF5T (160MHz) 802.11ax RU106 (UNII Band 5) - Ch. 47)

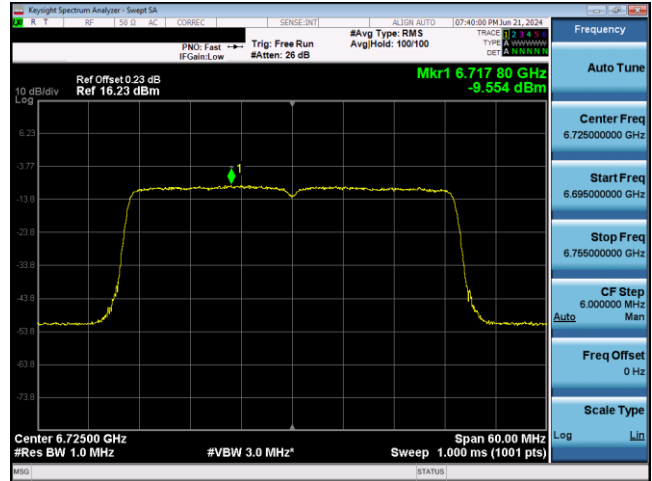
FCC ID: BCGA2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 204 of 464



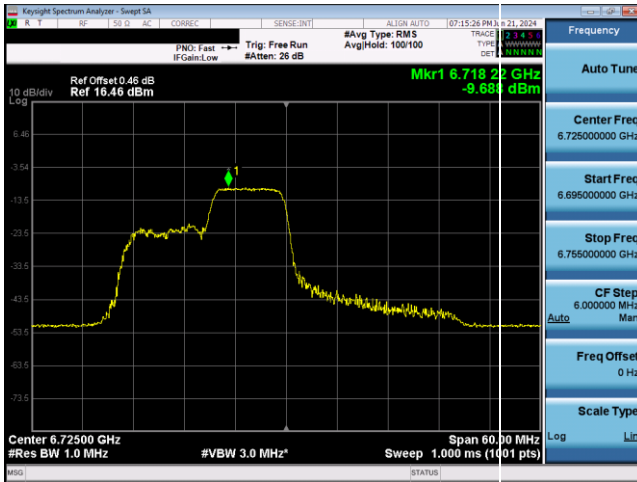
FCC ID: BCGA2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 205 of 464



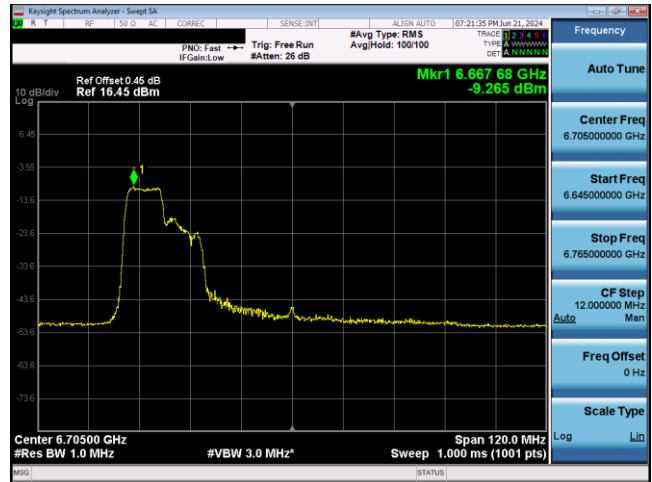
Plot 7-655. VLP Power Spectral Density Plot Antenna WF5T (40MHz 802.11ax RU106 (UNII Band 7) – Ch. 155)



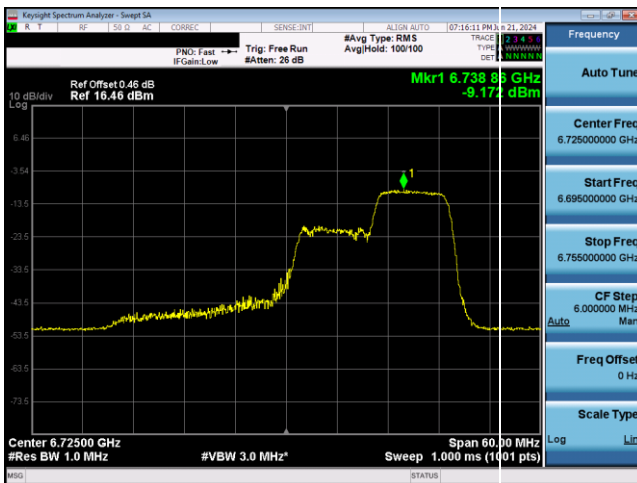
Plot 7-658. VLP Power Spectral Density Plot Antenna WF5T (40MHz 802.11ax RU484 (UNII Band 7) – Ch. 155)



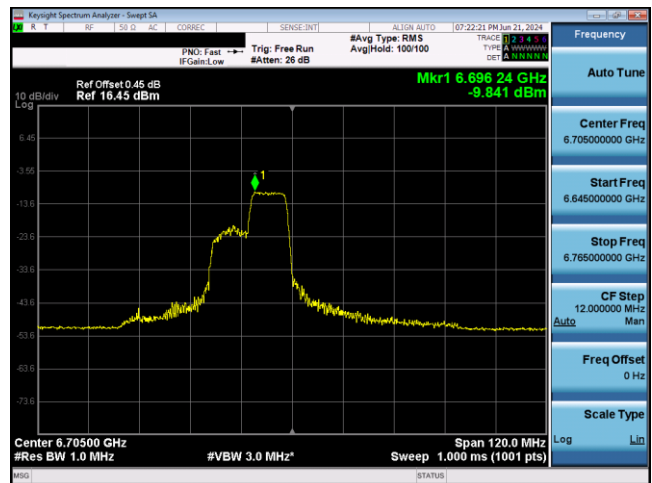
Plot 7-656. VLP Power Spectral Density Plot Antenna WF5T (40MHz 802.11ax RU106 (UNII Band 7) – Ch. 155)



Plot 7-659. VLP Power Spectral Density Plot Antenna WF5T (80MHz 802.11ax RU106 (UNII Band 7) – Ch. 151)

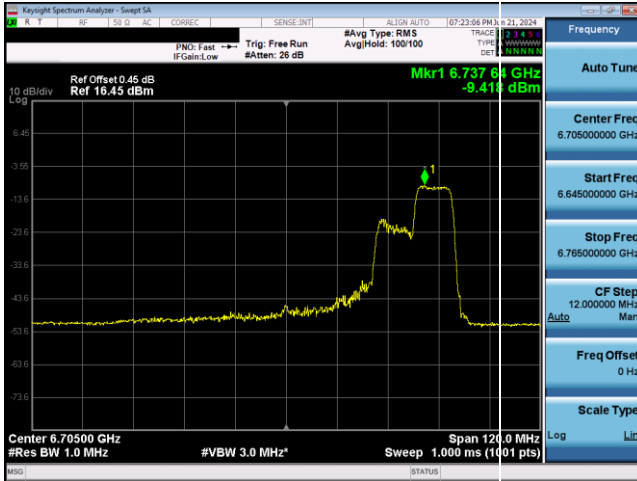


Plot 7-657. VLP Power Spectral Density Plot Antenna WF5T (40MHz 802.11ax RU106 (UNII Band 7) – Ch. 155)

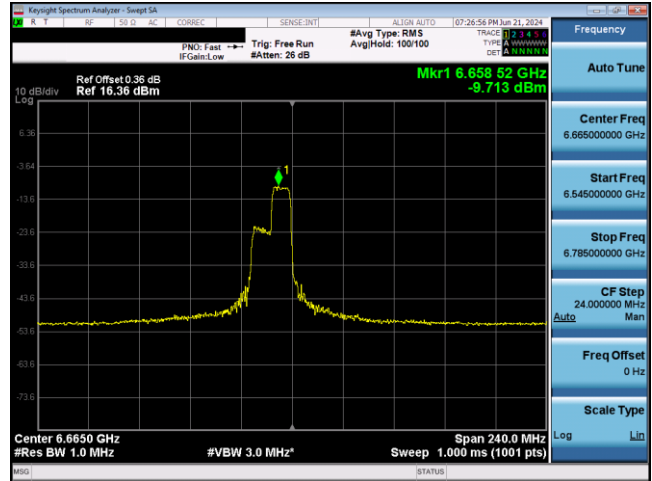


Plot 7-660. VLP Power Spectral Density Plot Antenna WF5T (80MHz 802.11ax RU106 (UNII Band 7) – Ch. 151)

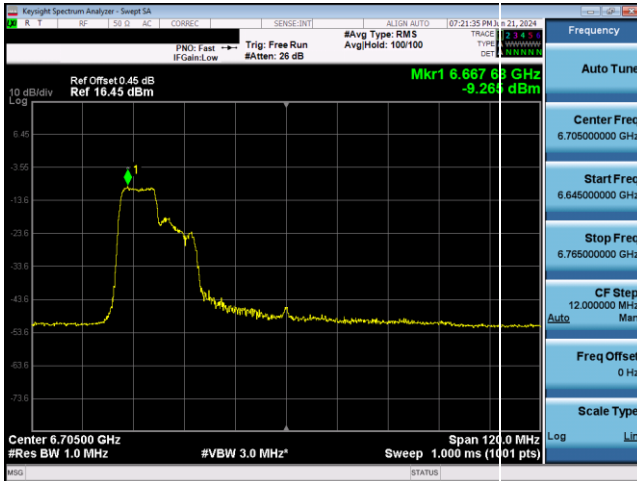
FCC ID: BCGA2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 206 of 464



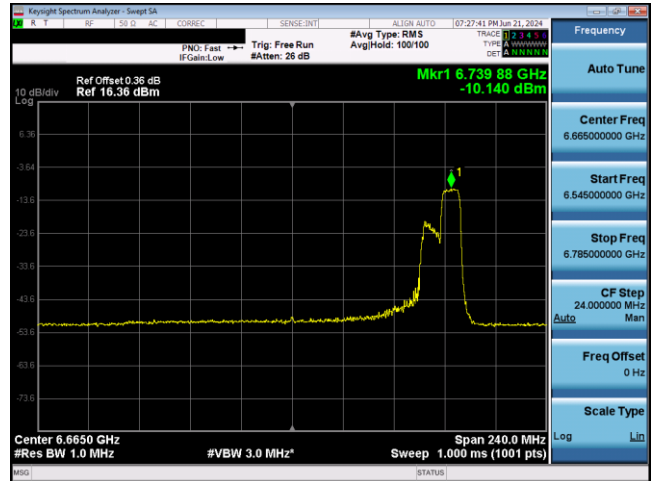
Plot 7-661. VLP Power Spectral Density Plot Antenna WF5T (80MHz) 802.11ax RU106 (UNII Band 7) – Ch. 151)



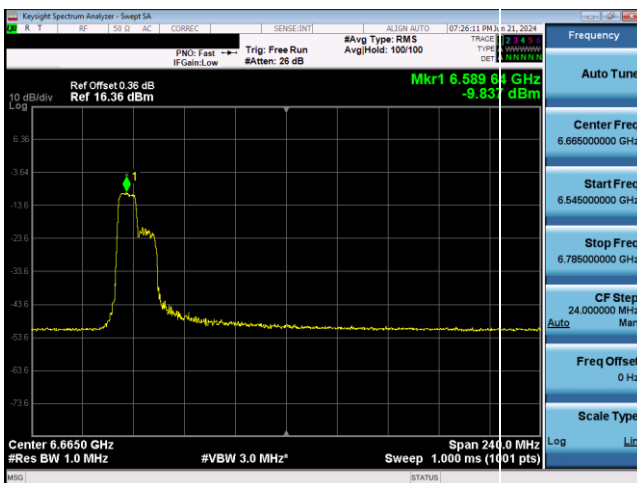
Plot 7-664. VLP Power Spectral Density Plot Antenna WF5T (160MHz) 802.11ax RU106 (UNII Band 7) – Ch. 143)



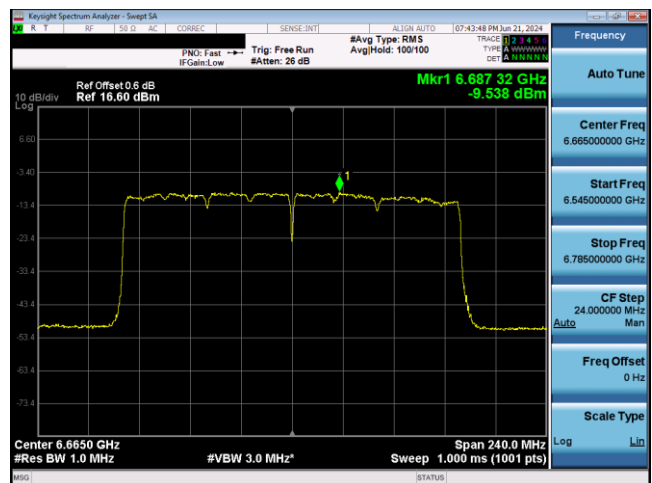
Plot 7-662. VLP Power Spectral Density Plot Antenna WF5T (80MHz) 802.11ax RU996 (UNII Band 7) – Ch. 151)



Plot 7-665. VLP Power Spectral Density Plot Antenna WF5T (160MHz) 802.11ax RU106 (UNII Band 7) – Ch. 143)



Plot 7-663. VLP Power Spectral Density Plot Antenna WF5T (160MHz) 802.11ax RU106 (UNII Band 7) – Ch. 143)



Plot 7-666. VLP Power Spectral Density Plot Antenna WF5T (160MHz) 802.11ax RU996x2 (UNII Band 7) – Ch. 143)

FCC ID: BCGA2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 207 of 464

7.4.8 Antenna WF2 VLP Power Spectral Density Measurements

	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 Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	6115	33	ax (20MHz)	106	53	53.1/62.5 (MCS11)	-10.64	2.00	-8.64	-5	-3.64
	6115	33	ax (20MHz)	106	54	53.1/62.5 (MCS11)	-10.38	2.00	-8.38	-5	-3.38
	6255	61	ax (20MHz)	106	53	53.1/62.5 (MCS11)	-10.58	2.00	-8.58	-5	-3.58
	6255	61	ax (20MHz)	106	54	53.1/62.5 (MCS11)	-9.82	2.00	-7.82	-5	-2.82
	6415	93	ax (20MHz)	106	53	53.1/62.5 (MCS11)	-10.21	2.00	-8.21	-5	-3.21
	6415	93	ax (20MHz)	106	54	53.1/62.5 (MCS11)	-10.28	2.00	-8.28	-5	-3.28
	6125	35	ax (40MHz)	106	53	53.1/62.5 (MCS11)	-10.38	2.00	-8.38	-5	-3.38
	6125	35	ax (40MHz)	106	54	53.1/62.5 (MCS11)	-10.44	2.00	-8.44	-5	-3.44
	6125	35	ax (40MHz)	106	56	53.1/62.5 (MCS11)	-10.67	2.00	-8.67	-5	-3.67
	6245	59	ax (40MHz)	106	53	53.1/62.5 (MCS11)	-10.40	2.00	-8.40	-5	-3.40
	6245	59	ax (40MHz)	106	54	53.1/62.5 (MCS11)	-9.92	2.00	-7.92	-5	-2.92
	6245	59	ax (40MHz)	106	56	53.1/62.5 (MCS11)	-10.14	2.00	-8.14	-5	-3.14
	6405	91	ax (40MHz)	106	53	53.1/62.5 (MCS11)	-10.47	2.00	-8.47	-5	-3.47
	6405	91	ax (40MHz)	106	54	53.1/62.5 (MCS11)	-10.06	2.00	-8.06	-5	-3.06
	6405	91	ax (40MHz)	106	56	53.1/62.5 (MCS11)	-9.71	2.00	-7.71	-5	-2.71
	6145	39	ax (80MHz)	106	53	53.1/62.5 (MCS11)	-10.99	2.00	-8.99	-5	-3.99
	6145	39	ax (80MHz)	106	56	53.1/62.5 (MCS11)	-10.47	2.00	-8.47	-5	-3.47
	6145	39	ax (80MHz)	106	60	53.1/62.5 (MCS11)	-10.87	2.00	-8.87	-5	-3.87
	6225	55	ax (80MHz)	106	53	53.1/62.5 (MCS11)	-9.85	2.00	-7.85	-5	-2.85
	6225	55	ax (80MHz)	106	56	53.1/62.5 (MCS11)	-9.41	2.00	-7.41	-5	-2.41
	6225	55	ax (80MHz)	106	60	53.1/62.5 (MCS11)	-9.79	2.00	-7.79	-5	-2.79
	6385	87	ax (80MHz)	106	53	53.1/62.5 (MCS11)	-10.73	2.00	-8.73	-5	-3.73
	6385	87	ax (80MHz)	106	56	53.1/62.5 (MCS11)	-10.84	2.00	-8.84	-5	-3.84
	6385	87	ax (80MHz)	106	60	53.1/62.5 (MCS11)	-10.55	2.00	-8.55	-5	-3.55
	6185	47 (L)	ax (160MHz)	106	53	53.1/62.5 (MCS11)	-10.07	2.00	-8.07	-5	-3.07
	6185		ax (160MHz)	106	60	53.1/62.5 (MCS11)	-10.96	2.00	-8.96	-5	-3.96
	6185	47 (U)	ax (160MHz)	106	60	53.1/62.5 (MCS11)	-10.37	2.00	-8.37	-5	-3.37
	6345	79 (L)	ax (160MHz)	106	53	53.1/62.5 (MCS11)	-10.18	2.00	-8.18	-5	-3.18
	6345		ax (160MHz)	106	60	53.1/62.5 (MCS11)	-10.53	2.00	-8.53	-5	-3.53
	6345	79 (U)	ax (160MHz)	106	60	53.1/62.5 (MCS11)	-10.12	2.00	-8.12	-5	-3.12
Band 7	6535	117	ax (20MHz)	106	53	53.1/62.5 (MCS11)	-10.42	1.80	-8.62	-5	-3.62
	6535	117	ax (20MHz)	106	54	53.1/62.5 (MCS11)	-10.22	1.80	-8.42	-5	-3.42
	6695	149	ax (20MHz)	106	53	53.1/62.5 (MCS11)	-9.65	1.80	-7.85	-5	-2.85
	6695	149	ax (20MHz)	106	54	53.1/62.5 (MCS11)	-9.55	1.80	-7.75	-5	-2.75
	6855	181	ax (20MHz)	106	53	53.1/62.5 (MCS11)	-9.63	1.80	-7.83	-5	-2.83
	6855	181	ax (20MHz)	106	54	53.1/62.5 (MCS11)	-9.52	1.80	-7.72	-5	-2.72
	6565	123	ax (40MHz)	106	53	53.1/62.5 (MCS11)	-10.29	1.80	-8.49	-5	-3.49
	6565	123	ax (40MHz)	106	54	53.1/62.5 (MCS11)	-10.69	1.80	-8.89	-5	-3.89
	6565	123	ax (40MHz)	106	56	53.1/62.5 (MCS11)	-10.27	1.80	-8.47	-5	-3.47
	6725	155	ax (40MHz)	106	53	53.1/62.5 (MCS11)	-10.23	1.80	-8.43	-5	-3.43
	6725	155	ax (40MHz)	106	54	53.1/62.5 (MCS11)	-10.37	1.80	-8.57	-5	-3.57
	6725	155	ax (40MHz)	106	56	53.1/62.5 (MCS11)	-9.84	1.80	-8.04	-5	-3.04
	6845	179	ax (40MHz)	106	53	53.1/62.5 (MCS11)	-10.11	1.80	-8.31	-5	-3.31
	6845	179	ax (40MHz)	106	54	53.1/62.5 (MCS11)	-9.91	1.80	-8.11	-5	-3.11
	6845	179	ax (40MHz)	106	56	53.1/62.5 (MCS11)	-10.55	1.80	-8.75	-5	-3.75
	6625	135	ax (80MHz)	106	53	53.1/62.5 (MCS11)	-9.56	1.80	-7.76	-5	-2.76
	6625	135	ax (80MHz)	106	56	53.1/62.5 (MCS11)	-9.70	1.80	-7.90	-5	-2.90
	6625	135	ax (80MHz)	106	60	53.1/62.5 (MCS11)	-9.19	1.80	-7.39	-5	-2.39
	6705	151	ax (80MHz)	106	53	53.1/62.5 (MCS11)	-9.74	1.80	-7.94	-5	-2.94
	6705	151	ax (80MHz)	106	56	53.1/62.5 (MCS11)	-9.66	1.80	-7.86	-5	-2.86
	6705	151	ax (80MHz)	106	60	53.1/62.5 (MCS11)	-10.00	1.80	-8.20	-5	-3.20
	6785	167	ax (80MHz)	106	53	53.1/62.5 (MCS11)	-9.90	1.80	-8.10	-5	-3.10
	6785	167	ax (80MHz)	106	56	53.1/62.5 (MCS11)	-9.93	1.80	-8.13	-5	-3.13
	6785	167	ax (80MHz)	106	60	53.1/62.5 (MCS11)	-9.78	1.80	-7.98	-5	-2.98
	6665	143 (L)	ax (160MHz)	106	53	53.1/62.5 (MCS11)	-10.14	1.80	-8.34	-5	-3.34
	6665		ax (160MHz)	106	60	53.1/62.5 (MCS11)	-9.73	1.80	-7.93	-5	-2.93
	6665	143 (U)	ax (160MHz)	106	60	53.1/62.5 (MCS11)	-9.64	1.80	-7.84	-5	-2.84

Table 7-136. VLP Power Spectral Density Measurements Antenna WF2 (RU106)

FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 208 of 464

V 10.6 10/27/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

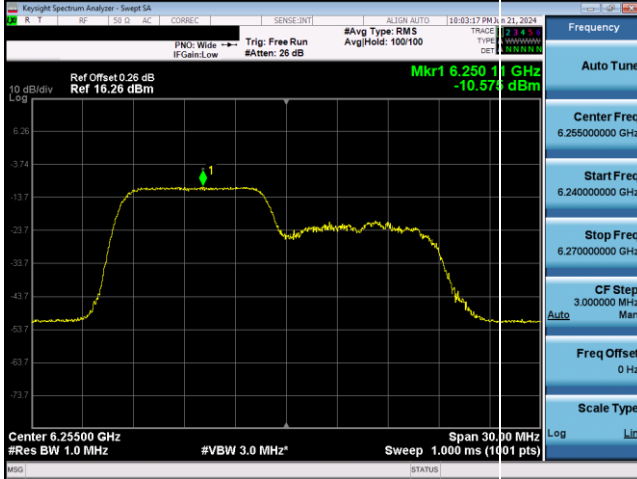
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	6115	33	ax (20MHz)	242	61	121.9/143.4 (MCS11)	-9.89	2.00	-7.89	-5	-2.89
	6255	61	ax (20MHz)	242	61	121.9/143.4 (MCS11)	-10.48	2.00	-8.48	-5	-3.48
	6415	93	ax (20MHz)	242	61	121.9/143.4 (MCS11)	-11.06	2.00	-9.06	-5	-4.06
	6125	35	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-10.23	2.00	-8.23	-5	-3.23
	6245	59	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-10.53	2.00	-8.53	-5	-3.53
	6405	91	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-10.73	2.00	-8.73	-5	-3.73
	6145	39	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-9.99	2.00	-7.99	-5	-2.99
	6225	55	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-10.01	2.00	-8.01	-5	-3.01
	6385	87	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-10.07	2.00	-8.07	-5	-3.07
	6185	47	ax (160MHz)	996x2	68	1020.8/1201 (MCS11)	-9.93	2.00	-7.93	-5	-2.93
Band 7	6345	79	ax (160MHz)	996x2	68	1020.8/1201 (MCS11)	-10.69	2.00	-8.69	-5	-3.69
	6535	117	ax (20MHz)	242	61	121.9/143.4 (MCS11)	-10.30	1.80	-8.50	-5	-3.50
	6695	149	ax (20MHz)	242	61	121.9/143.4 (MCS11)	-9.82	1.80	-8.02	-5	-3.02
	6855	181	ax (20MHz)	242	61	121.9/143.4 (MCS11)	-9.77	1.80	-7.97	-5	-2.97
	6565	123	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-10.35	1.80	-8.55	-5	-3.55
	6725	155	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-10.06	1.80	-8.26	-5	-3.26
	6845	179	ax (40MHz)	484	65	243.8/286.8 (MCS11)	-10.11	1.80	-8.31	-5	-3.31
	6625	135	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-9.54	1.80	-7.74	-5	-2.74
	6705	151	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-9.48	1.80	-7.68	-5	-2.68
	6785	167	ax (80MHz)	996	67	510.4/600.5 (MCS11)	-9.52	1.80	-7.72	-5	-2.72
	6665	143	ax (160MHz)	996x2	68	1020.8/1201 (MCS11)	-9.59	1.80	-7.79	-5	-2.79

Table 7-137. VLP Power Spectral Density Measurements Antenna WF2 (Fully loaded RU)

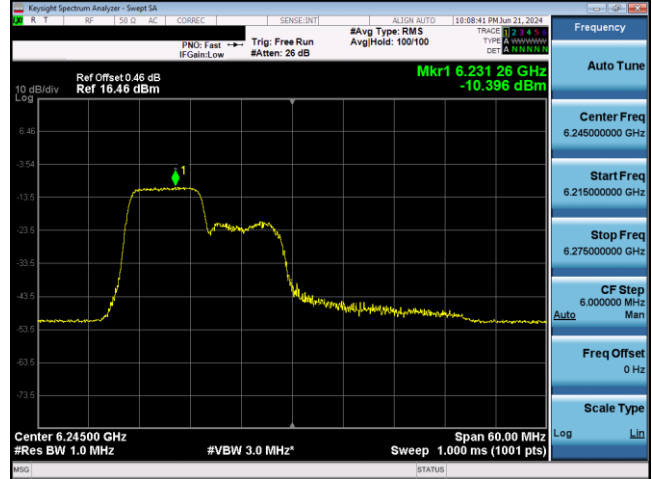
FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 209 of 464

V 10.6 10/27/2023

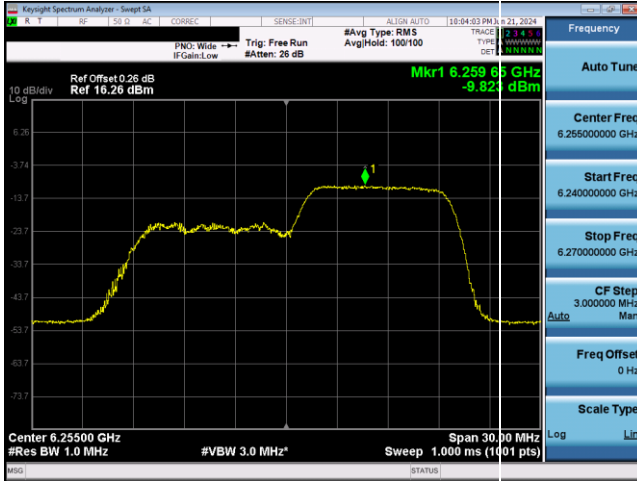
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



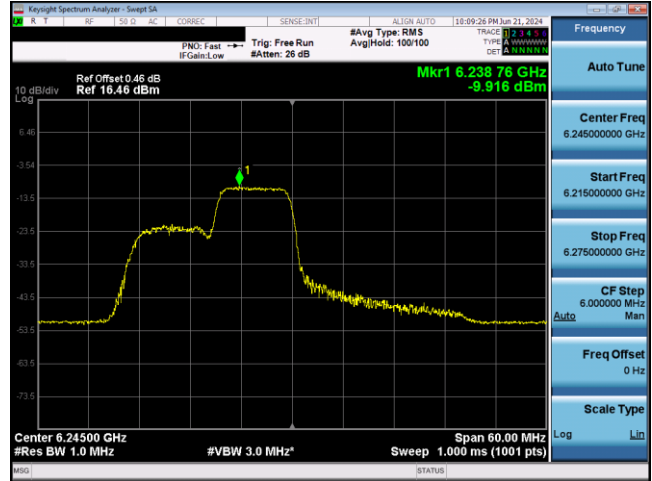
Plot 7-667. VLP Power Spectral Density Plot Antenna WF2 (20MHz) 802.11ax RU106 (UNII Band 5) - Ch. 61



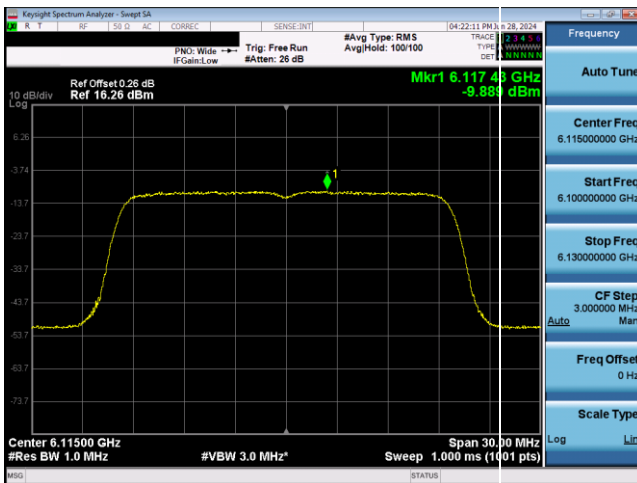
Plot 7-670. VLP Power Spectral Density Plot Antenna WF2 (40MHz) 802.11ax RU106 (UNII Band 5) - Ch. 59



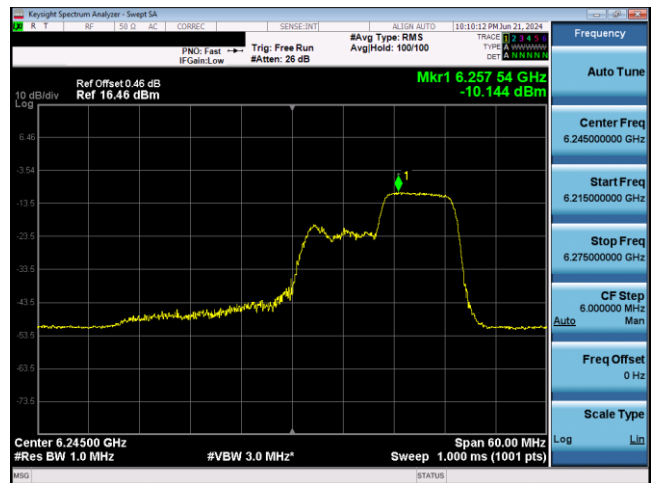
Plot 7-668. VLP Power Spectral Density Plot Antenna WF2 (20MHz) 802.11ax RU106 (UNII Band 5) - Ch. 61



Plot 7-671. VLP Power Spectral Density Plot Antenna WF2 (40MHz) 802.11ax RU106 (UNII Band 5) - Ch. 59

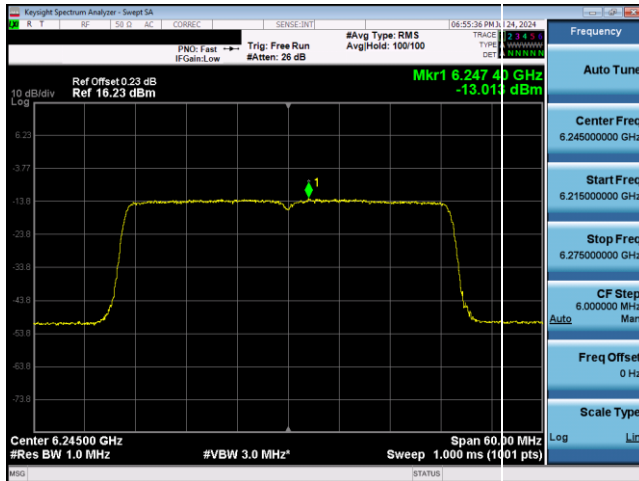


Plot 7-669. VLP Power Spectral Density Plot Antenna WF2 (20MHz) 802.11ax RU242 (UNII Band 5) - Ch. 61

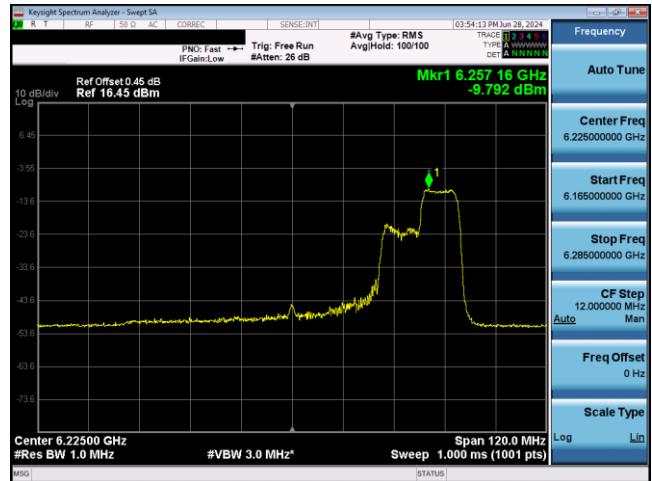


Plot 7-672. VLP Power Spectral Density Plot Antenna WF2 (40MHz) 802.11ax RU106 (UNII Band 5) - Ch. 59

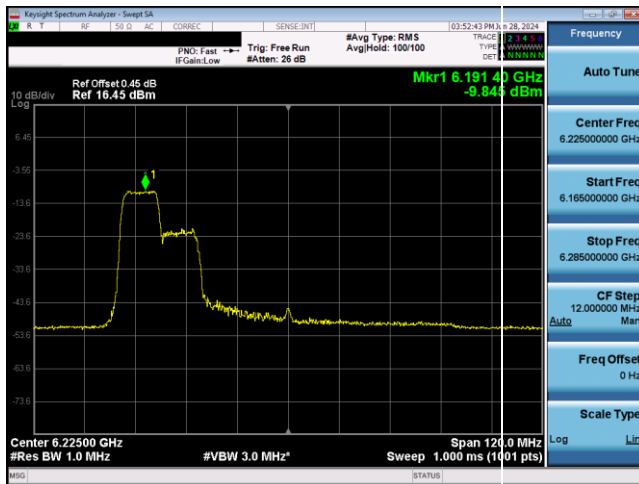
FCC ID: BCGA2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 210 of 464



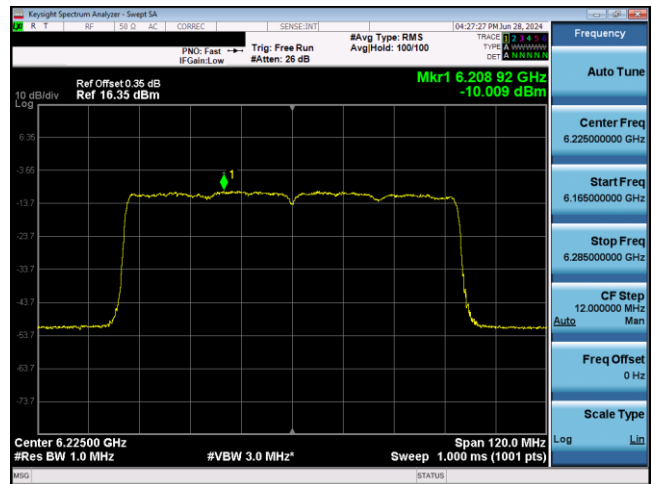
Plot 7-673. VLP Power Spectral Density Plot Antenna WF2 (40MHz) 802.11ax RU484 (UNII Band 5) - Ch. 59)



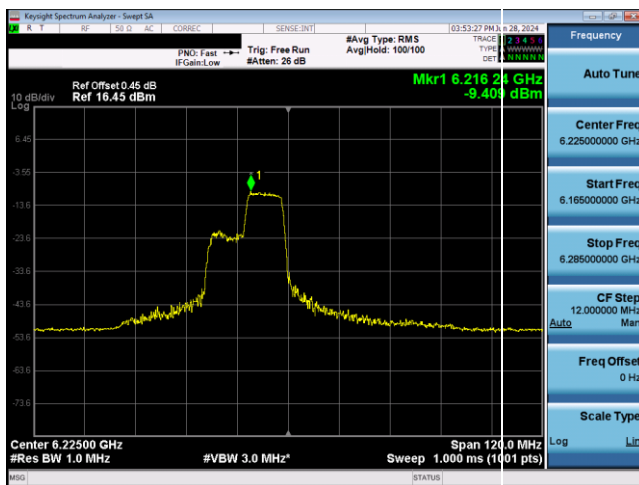
Plot 7-676. VLP Power Spectral Density Plot Antenna WF2 (80MHz) 802.11ax RU106 (UNII Band 5) - Ch. 55)



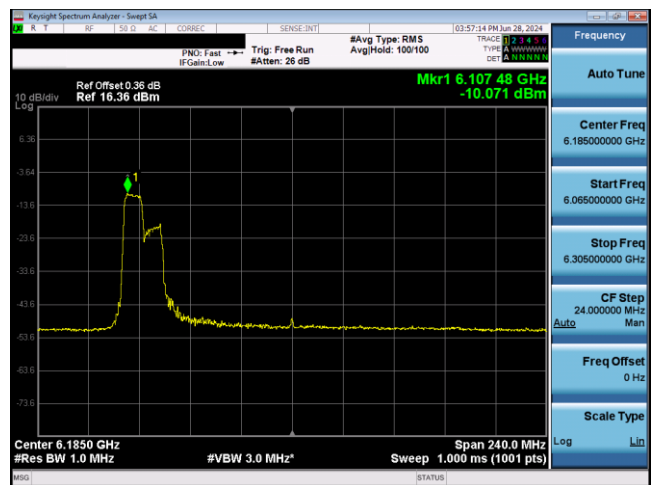
Plot 7-674. VLP Power Spectral Density Plot Antenna WF2 (80MHz) 802.11ax RU106 (UNII Band 5) - Ch. 55)



Plot 7-677. VLP Power Spectral Density Plot Antenna WF2 (80MHz) 802.11ax RU996 (UNII Band 5) - Ch. 55)

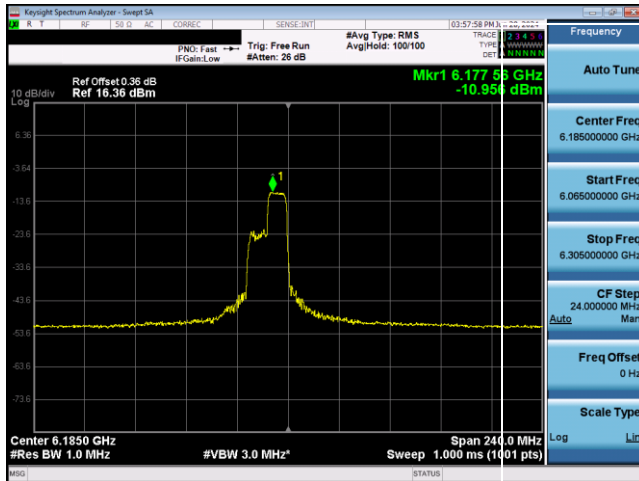


Plot 7-675. VLP Power Spectral Density Plot Antenna WF2 (80MHz) 802.11ax RU106 (UNII Band 5) - Ch. 55)

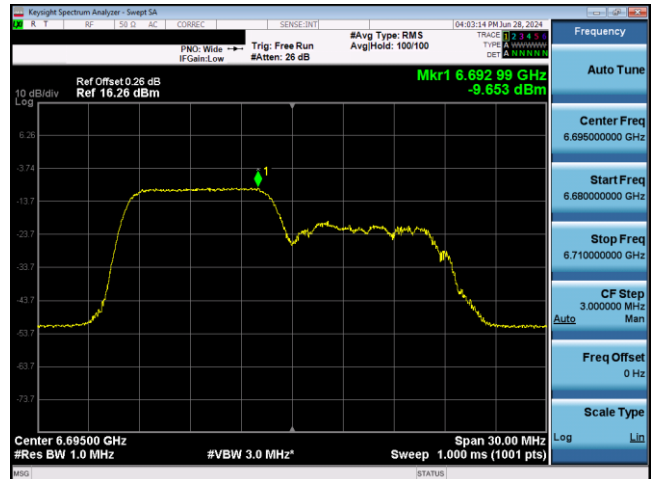


Plot 7-678. VLP Power Spectral Density Plot Antenna WF2 (160MHz) 802.11ax RU106 (UNII Band 5) - Ch. 47)

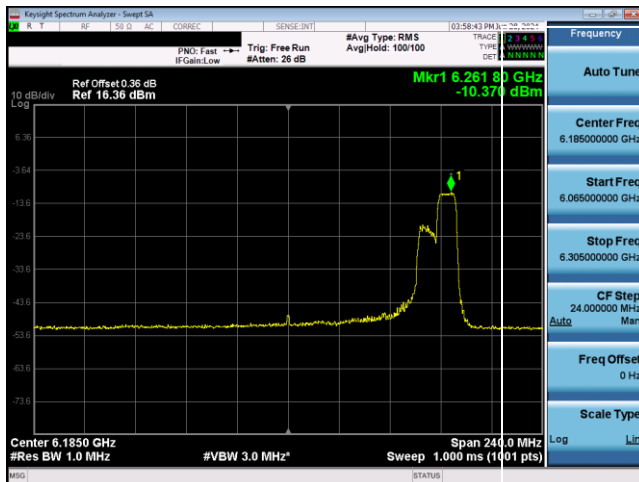
FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 211 of 464



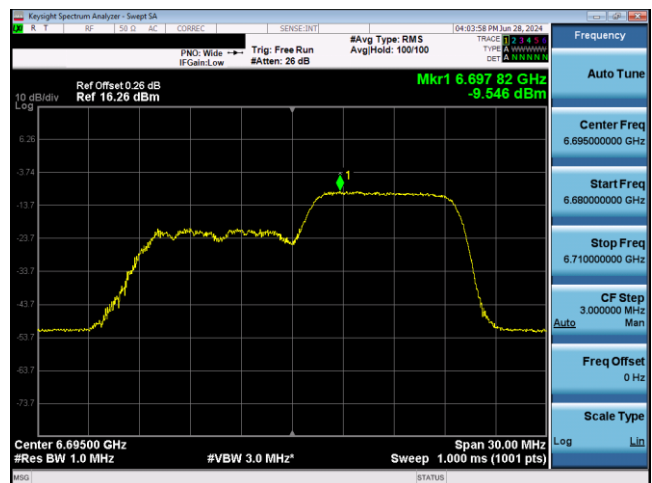
Plot 7-679. VLP Power Spectral Density Plot Antenna WF2 (160MHz
802.11ax RU106 (UNII Band 5) – Ch. 47)



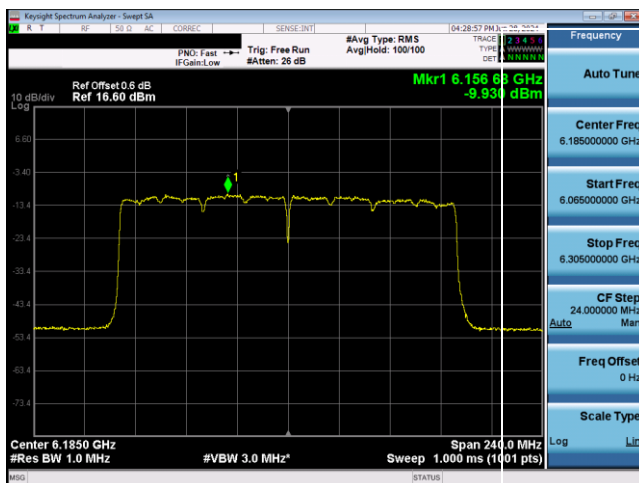
Plot 7-682. VLP Power Spectral Density Plot Antenna WF2 (20MHz
802.11ax RU106 (UNII Band 7) – Ch. 149)



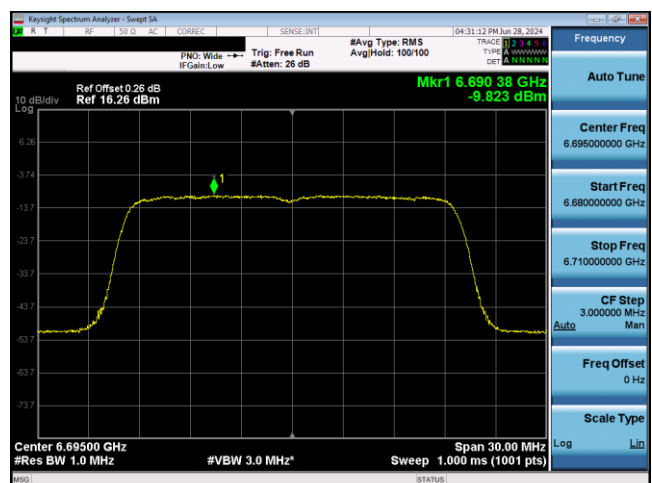
Plot 7-680. VLP Power Spectral Density Plot Antenna WF2 (160MHz
802.11ax RU106 (UNII Band 5) – Ch. 47)



Plot 7-683. VLP Power Spectral Density Plot Antenna WF2 (20MHz
802.11ax RU106 (UNII Band 7) – Ch. 149)

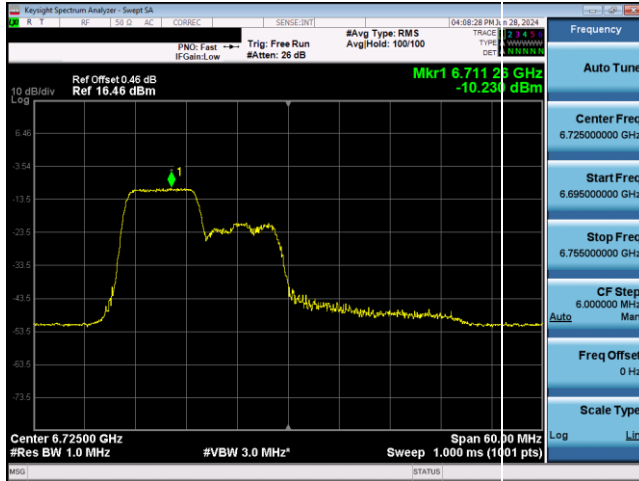


Plot 7-681. VLP Power Spectral Density Plot Antenna WF2 (160MHz
802.11ax RU996x2 (UNII Band 5) – Ch. 47)

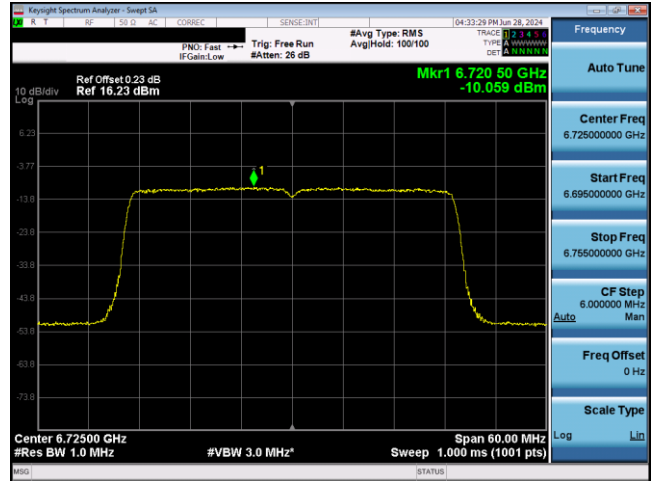


Plot 7-684. VLP Power Spectral Density Plot Antenna WF2 (20MHz
802.11ax RU242 (UNII Band 7) – Ch. 149)

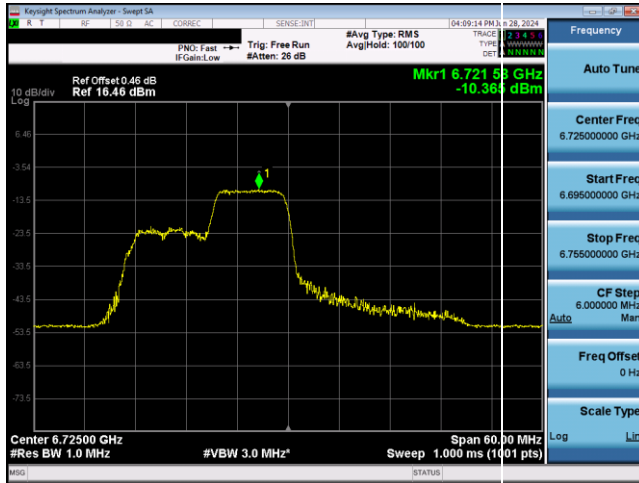
FCC ID: BCGA2993	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 212 of 464



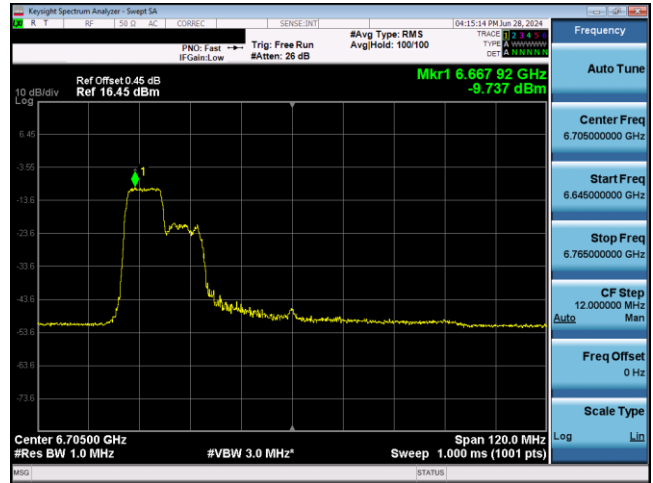
Plot 7-685. VLP Power Spectral Density Plot Antenna WF2 (40MHz 802.11ax RU106 (UNII Band 7) – Ch. 155)



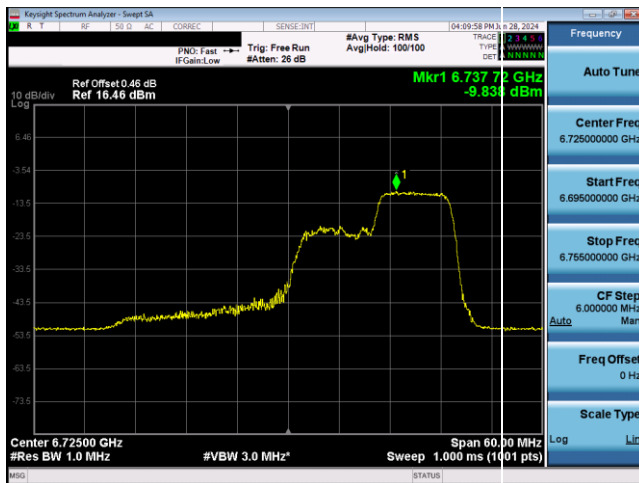
Plot 7-688. VLP Power Spectral Density Plot Antenna WF2 (40MHz 802.11ax RU484 (UNII Band 7) – Ch. 155)



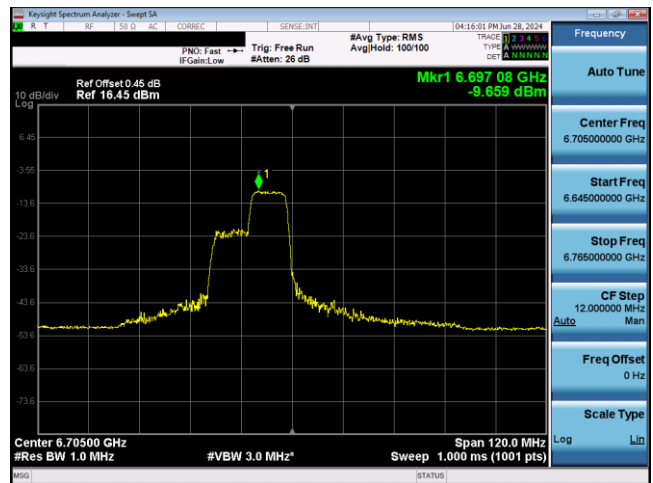
Plot 7-686. VLP Power Spectral Density Plot Antenna WF2 (40MHz 802.11ax RU106 (UNII Band 7) – Ch. 155)



Plot 7-689. VLP Power Spectral Density Plot Antenna WF2 (80MHz 802.11ax RU106 (UNII Band 7) – Ch. 151)

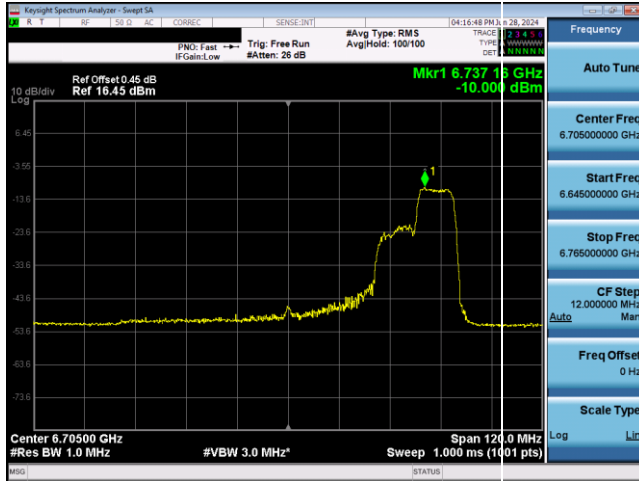


Plot 7-687. VLP Power Spectral Density Plot Antenna WF2 (40MHz 802.11ax RU106 (UNII Band 7) – Ch. 155)

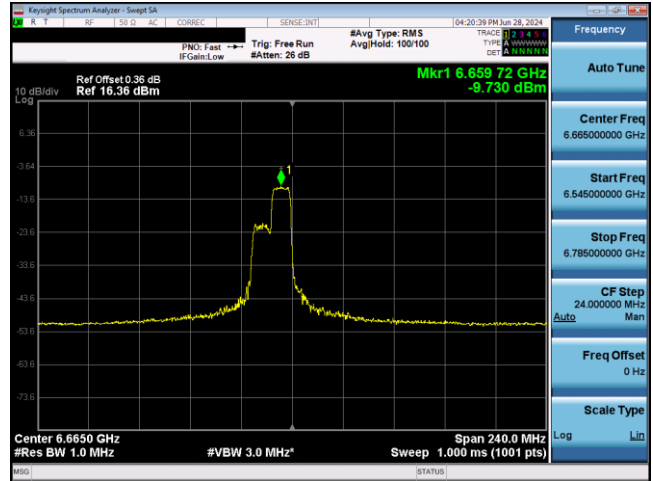


Plot 7-690. VLP Power Spectral Density Plot Antenna WF2 (80MHz 802.11ax RU106 (UNII Band 7) – Ch. 151)

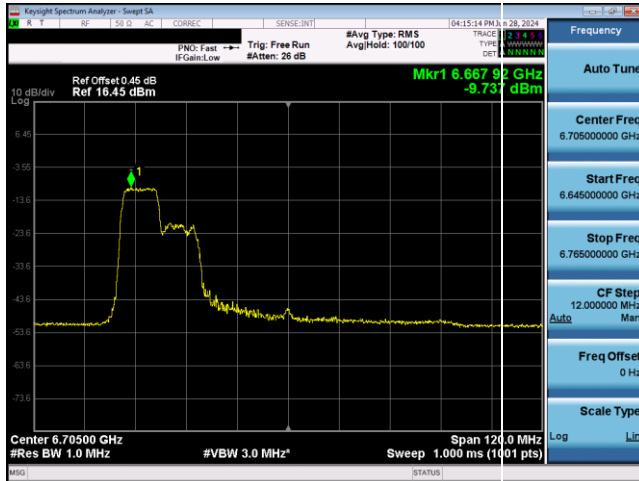
FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 213 of 464



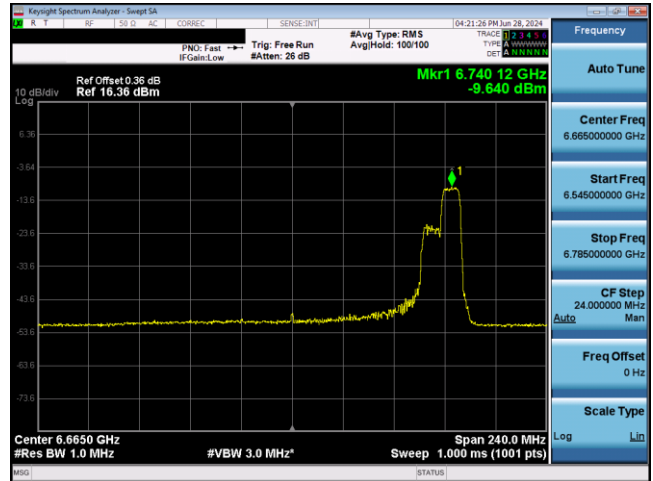
Plot 7-691. VLP Power Spectral Density Plot Antenna WF2 (80MHz)
802.11ax RU106 (UNII Band 7) – Ch. 151)



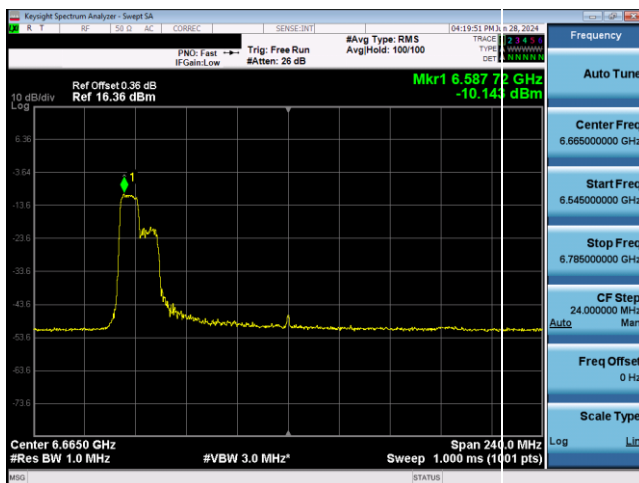
Plot 7-694. VLP Power Spectral Density Plot Antenna WF2 (160MHz)
802.11ax RU106 (UNII Band 7) – Ch. 143)



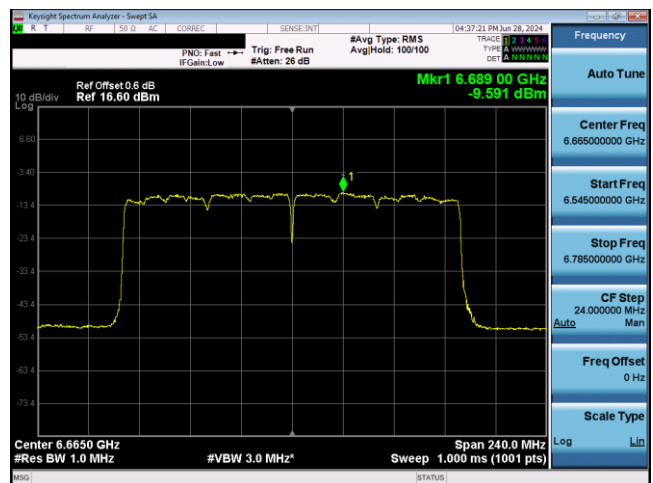
Plot 7-692. VLP Power Spectral Density Plot Antenna WF2 (80MHz)
802.11ax RU996 (UNII Band 7) – Ch. 151)



Plot 7-695. VLP Power Spectral Density Plot Antenna WF2 (160MHz)
802.11ax RU106 (UNII Band 7) – Ch. 143)



Plot 7-693. VLP Power Spectral Density Plot Antenna WF2 (160MHz)
802.11ax RU106 (UNII Band 7) – Ch. 143)



Plot 7-696. VLP Power Spectral Density Plot Antenna WF2 (160MHz)
802.11ax RU996x2 (UNII Band 7) – Ch. 143)

FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 214 of 464

7.4.9 SDM VLP Power Spectral Density Measurements

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Mode	Data Rate [Mbps]	Antenna WF5T Power Density [dBm/MHz]	Antenna WF2 Power Density [dBm/MHz]	Summed SDM Power Density [dBm/MHz]	Directional Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	6125	35	ax (40MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.70	-12.45	-9.56	2.76	-6.81	-5	-1.81
	6125	35	ax (40MHz)	242	62	SDM	243.8/286.8 (MCS11)	-12.21	-12.85	-9.51	2.76	-6.75	-5	-1.75
	6245	59	ax (40MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.94	-13.08	-10.00	2.76	-7.24	-5	-2.24
	6245	59	ax (40MHz)	242	62	SDM	243.8/286.8 (MCS11)	-13.11	-12.83	-9.96	2.76	-7.20	-5	-2.20
	6405	91	ax (40MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.21	-12.77	-9.47	2.76	-6.71	-5	-1.71
	6405	91	ax (40MHz)	242	62	SDM	243.8/286.8 (MCS11)	-12.02	-12.58	-9.28	2.76	-6.52	-5	-1.52
	6145	39	ax (80MHz)	242	61	SDM	243.8/286.8 (MCS11)	-13.08	-13.64	-10.34	2.76	-7.59	-5	-2.59
	6145	39	ax (80MHz)	242	62	SDM	243.8/286.8 (MCS11)	-12.62	-13.83	-10.17	2.76	-7.42	-5	-2.42
	6145	39	ax (80MHz)	242	64	SDM	243.8/286.8 (MCS11)	-12.57	-13.63	-10.05	2.76	-7.30	-5	-2.30
	6225	55	ax (80MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.54	-12.39	-9.45	2.76	-6.70	-5	-1.70
	6225	55	ax (80MHz)	242	62	SDM	243.8/286.8 (MCS11)	-13.21	-13.42	-10.30	2.76	-7.55	-5	-2.55
	6225	55	ax (80MHz)	242	64	SDM	243.8/286.8 (MCS11)	-12.31	-12.76	-9.52	2.76	-6.76	-5	-1.76
	6385	87	ax (80MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.11	-13.31	-9.66	2.76	-6.90	-5	-1.90
	6385	87	ax (80MHz)	242	62	SDM	243.8/286.8 (MCS11)	-12.61	-13.45	-10.00	2.76	-7.25	-5	-2.25
	6385	87	ax (80MHz)	242	64	SDM	243.8/286.8 (MCS11)	-12.33	-13.36	-9.81	2.76	-7.05	-5	-2.05
	6185	47 (L)	ax (160MHz)	242	61	SDM	243.8/286.8 (MCS11)	-11.85	-12.41	-9.11	2.76	-6.35	-5	-1.35
	6185		ax (160MHz)	242	64	SDM	243.8/286.8 (MCS11)	-12.45	-12.79	-9.61	2.76	-6.85	-5	-1.85
	6185	47 (U)	ax (160MHz)	242	64	SDM	243.8/286.8 (MCS11)	-11.80	-12.09	-8.93	2.76	-6.18	-5	-1.18
	6345	79 (L)	ax (160MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.29	-12.46	-9.36	2.76	-6.61	-5	-1.61
	6345		ax (160MHz)	242	64	SDM	243.8/286.8 (MCS11)	-12.69	-13.20	-9.93	2.76	-7.17	-5	-2.17
	6345	79 (U)	ax (160MHz)	242	64	SDM	243.8/286.8 (MCS11)	-11.59	-11.81	-8.69	2.76	-5.93	-5	-0.93
Band 7	6565	123	ax (40MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.69	-13.20	-9.92	2.56	-7.37	-5	-2.37
	6565	123	ax (40MHz)	242	62	SDM	243.8/286.8 (MCS11)	-12.35	-13.34	-9.81	2.56	-7.25	-5	-2.25
	6725	155	ax (40MHz)	242	61	SDM	243.8/286.8 (MCS11)	-11.95	-13.09	-9.47	2.56	-6.91	-5	-1.91
	6725	155	ax (40MHz)	242	62	SDM	243.8/286.8 (MCS11)	-12.09	-13.14	-9.58	2.56	-7.02	-5	-2.02
	6845	179	ax (40MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.25	-13.65	-9.89	2.56	-7.33	-5	-2.33
	6845	179	ax (40MHz)	242	62	SDM	243.8/286.8 (MCS11)	-12.27	-13.67	-9.90	2.56	-7.35	-5	-2.35
	6625	135	ax (80MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.17	-12.95	-9.53	2.56	-6.97	-5	-1.97
	6625	135	ax (80MHz)	242	62	SDM	243.8/286.8 (MCS11)	-11.99	-13.38	-9.62	2.56	-7.06	-5	-2.06
	6625	135	ax (80MHz)	242	64	SDM	243.8/286.8 (MCS11)	-11.96	-12.90	-9.39	2.56	-6.84	-5	-1.84
	6705	151	ax (80MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.68	-13.07	-9.86	2.56	-7.30	-5	-2.30
	6705	151	ax (80MHz)	242	62	SDM	243.8/286.8 (MCS11)	-11.79	-13.20	-9.43	2.56	-6.87	-5	-1.87
	6705	151	ax (80MHz)	242	64	SDM	243.8/286.8 (MCS11)	-11.93	-13.10	-9.47	3.80	-5.67	-5	-0.67
	6785	167	ax (80MHz)	242	61	SDM	243.8/286.8 (MCS11)	-11.78	-12.80	-9.25	2.56	-6.69	-5	-1.69
	6785	167	ax (80MHz)	242	62	SDM	243.8/286.8 (MCS11)	-12.39	-13.35	-9.83	2.56	-7.28	-5	-2.28
	6785	167	ax (80MHz)	242	64	SDM	243.8/286.8 (MCS11)	-12.18	-12.84	-9.48	2.56	-6.93	-5	-1.93
	6665	143 (L)	ax (160MHz)	242	61	SDM	243.8/286.8 (MCS11)	-11.97	-12.99	-9.44	2.56	-6.88	-5	-1.88
	6665		ax (160MHz)	242	64	SDM	243.8/286.8 (MCS11)	-11.85	-13.16	-9.44	2.56	-6.89	-5	-1.89
	6665	143 (U)	ax (160MHz)	242	64	SDM	243.8/286.8 (MCS11)	-12.02	-12.43	-9.21	2.56	-6.65	-5	-1.65

Table 7-138. VLP Power Spectral Density Measurements SDM (RU242)

	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Mode	Data Rate [Mbps]	Antenna WF5T Power Density [dBm/MHz]	Antenna WF2 Power Density [dBm/MHz]	Summed SDM Power Density [dBm/MHz]	Directional Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	6115	33	ax (20MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.75	-12.82	-9.78	2.76	-7.02	-5	-2.02
	6255	61	ax (20MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.49	-13.82	-10.09	2.76	-7.34	-5	-2.34
	6415	93	ax (20MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.18	-13.26	-9.67	2.76	-6.92	-5	-1.92
	6125	35	ax (40MHz)	484	65	SDM	487.5/573.5 (MCS11)	-12.58	-12.32	-9.44	2.76	-6.68	-5	-1.68
	6245	59	ax (40MHz)	484	65	SDM	487.5/573.5 (MCS11)	-12.05	-12.86	-9.43	2.76	-6.67	-5	-1.67
	6405	91	ax (40MHz)	484	65	SDM	487.5/573.5 (MCS11)	-11.72	-12.47	-9.07	2.76	-6.31	-5	-1.31
	6145	39	ax (80MHz)	996	67	SDM	1020.8/1201 (MCS11)	-12.23	-12.43	-9.32	2.76	-6.56	-5	-1.56
	6225	55	ax (80MHz)	996	67	SDM	1020.8/1201 (MCS11)	-12.31	-11.91	-9.09	2.76	-6.34	-5	-1.34
	6385	87	ax (80MHz)	996	67	SDM	1020.8/1201 (MCS11)	-11.23	-11.87	-8.53	2.76	-5.77	-5	-0.77
	6185	47	ax (160MHz)	996x2	68	SDM	2041.6/2402 (MCS11)	-11.99	-12.24	-9.10	2.76	-6.35	-5	-1.35
Band 7	6345	79	ax (160MHz)	996x2	68	SDM	2041.6/2402 (MCS11)	-11.97	-12.74	-9.33	2.76	-6.57	-5	-1.57
	6535	117	ax (20MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.68	-13.47	-10.04	2.56	-7.49	-5	-2.49
	6695	149	ax (20MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.10	-12.80	-9.43	2.56	-6.87	-5	-1.87
	6855	181	ax (20MHz)	242	61	SDM	243.8/286.8 (MCS11)	-12.41	-12.93	-9.65	2.56	-7.10	-5	-2.10
	6565	123	ax (40MHz)	484	65	SDM	487.5/573.5 (MCS11)	-12.81	-12.78	-9.78	2.56	-7.23	-5	-2.23
	6725	155	ax (40MHz)	484	65	SDM	487.5/573.5 (MCS11)	-12.42	-13.31	-9.83	2.56	-7.27	-5	-2.27
	6845	179	ax (40MHz)	484	65	SDM	487.5/573.5 (MCS11)	-12.28	-13.07	-9.64	2.56	-7.09	-5	-2.09
	6625	135	ax (80MHz)	996	67	SDM	1020.8/1201 (MCS11)	-11.85	-12.06	-8.94	2.56	-6.39	-5	-1.39
	6705	151	ax (80MHz)	996	67	SDM	1020.8/1201 (MCS11)	-11.73	-12.02	-8.86	2.56	-6.31	-5	-1.31
	6785	167	ax (80MHz)	996	67	SDM	1020.8/1201 (MCS11)	-11.75	-11.82	-8.77	2.56	-6.22	-5	-1.22
	6665	143	ax (160MHz)	996x2	68	SDM	2041.6/2402 (MCS11)	-12.06	-12.02	-9.03	2.56	-6.48	-5	-1.48

Table 7-139. VLP Power Spectral Density Measurements SDM (Fully-loaded RU)

FCC ID: BCGA2993	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-14-R3.BCG	Test Dates: 5/20/2024 - 10/1/2024	EUT Type: Tablet Device	Page 215 of 464