

7.4 Maximum Power Spectral Density – 802.11ax OFDMA

§15.407(a)(8), RSS-248 [4.6.3]

Test Overview and Limit

The spectrum analyzer was connected to the antenna terminal while the EUT was operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. Method SA-1, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, was used to measure the power spectral density.

In the 5.925 – 7.125GHz band, the maximum permissible power spectral density must not exceed -1dBm e.i.r.p in any 1-megahertz band.

Test Procedure Used

ANSI C63.10-2013 – Section 12.3.2.2
 KDB 789033 D02 v02r01 – Section F
 ANSI C63.10-2013 – Section 14.3.2.2 Measure-and-Sum Technique
 KDB 662911 v02r01 – Section E)2) Measure-and-Sum Technique

Test Settings

1. Analyzer was set to the center frequency of the UNII channel under investigation
2. Span was set to encompass the entire emission bandwidth of the signal
3. RBW = 1MHz
4. VBW = 3MHz
5. Number of sweep points $\geq 2 \times (\text{span}/\text{RBW})$
6. Sweep time = auto
7. Detector = power averaging (RMS)
8. Trigger was set to free run for all modes
9. Trace was averaged over 100 sweeps
10. The peak search function of the spectrum analyzer was used to find the peak of the spectrum.

Test Setup

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



Figure 7-3. Test Instrument & Measurement Setup

Test Notes

1. All RU's were investigated and only worst case partially loaded and fully loaded RU's were reported.
2. Low, mid, and high channels were tested and tabular data has been reported. Only mid channel psd plots have been reported.

FCC ID: BCGA2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 63 of 324

V 10.5 12/15/2021

7.4.1 Antenna 5b 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.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-7.19	3.00	-4.19	-1	-3.19
	5955	1	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-7.63	3.00	-4.63	-1	-3.63
	5955	1	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-7.05	3.00	-4.05	-1	-3.05
	6175	45	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-8.43	3.80	-4.63	-1	-3.63
	6175	45	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-8.75	3.80	-4.95	-1	-3.95
	6175	45	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-8.25	3.80	-4.45	-1	-3.45
	6415	93	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-9.53	4.20	-5.22	-1	-4.22
	6415	93	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-9.97	4.30	-5.67	-1	-4.67
	6415	93	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-9.34	4.30	-5.04	-1	-4.04
	5965	3	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-8.21	3.00	-5.21	-1	-4.21
	5965	3	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-7.99	3.00	-4.99	-1	-3.99
	5965	3	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-8.08	3.00	-5.08	-1	-4.08
	6165	43	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.85	3.80	-7.05	-1	-6.05
	6165	43	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.99	3.80	-6.19	-1	-5.19
	6165	43	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-10.79	3.80	-6.99	-1	-5.99
	6405	91	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.27	4.60	-5.67	-1	-4.67
	6405	91	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.75	4.60	-5.15	-1	-4.15
	6405	91	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-10.49	4.60	-5.89	-1	-4.89
	5985	7	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-10.55	3.00	-7.55	-1	-6.55
	5985	7	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-10.01	3.00	-7.01	-1	-6.01
	5985	7	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-10.74	3.00	-7.74	-1	-6.74
	6145	39	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-11.66	3.80	-7.86	-1	-6.86
	6145	39	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-10.23	3.80	-6.43	-1	-5.43
	6145	39	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-9.26	3.80	-5.46	-1	-4.46
	6385	87	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-10.54	4.60	-5.94	-1	-4.94
	6385	87	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-11.64	4.60	-7.04	-1	-6.04
	6385	87	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-11.10	4.60	-6.50	-1	-5.50
	6025	15	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-13.03	3.90	-9.11	-1	-8.11
	6025	15	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-11.19	3.90	-7.29	-1	-6.29
	6025	15	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-10.59	3.90	-6.69	-1	-5.69
	6185	47	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-10.31	3.80	-6.51	-1	-5.51
	6185	47	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-8.30	3.80	-4.50	-1	-3.50
	6185	47	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-8.32	3.80	-4.52	-1	-3.52
	6345	79	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-13.45	4.60	-8.85	-1	-7.85
	6345	79	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-13.59	4.60	-8.99	-1	-7.99
	6345	79	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-11.60	4.60	-7.00	-1	-6.00
	6435	97	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-9.75	4.20	-5.45	-1	-4.45
	6435	97	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-10.34	4.30	-6.04	-1	-5.04
	6435	97	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-11.16	4.30	-6.86	-1	-5.86
	6475	105	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-9.97	4.30	-5.67	-1	-4.67
	6475	105	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-10.74	4.30	-6.44	-1	-5.44
	6475	105	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-10.66	4.30	-6.36	-1	-5.36
	6515	113	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-10.04	4.20	-5.84	-1	-4.84
	6515	113	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-10.43	4.20	-6.23	-1	-5.23
	6515	113	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-10.40	4.20	-6.20	-1	-5.20
6445	99	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.01	4.30	-5.71	-1	-4.71	
6445	99	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-10.68	4.20	-6.38	-1	-5.38	
6445	99	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-9.76	4.30	-5.46	-1	-4.46	
6485	107	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.66	4.30	-6.36	-1	-5.36	
6485	107	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.75	4.30	-5.45	-1	-4.45	
6485	107	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-10.83	4.30	-6.51	-1	-5.51	
6525	115	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-9.54	4.20	-5.34	-1	-4.34	
6525	115	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.44	4.20	-5.24	-1	-4.24	
6525	115	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-10.43	4.20	-6.23	-1	-5.23	
6465	103	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-11.85	4.30	-7.55	-1	-6.55	
6465	103	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-12.15	4.30	-7.85	-1	-6.85	
6465	103	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-12.93	4.20	-8.63	-1	-7.63	
6505	111	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-9.38	4.20	-5.18	-1	-4.18	
6505	111	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-8.59	4.20	-4.39	-1	-3.39	
6505	111	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-9.04	4.20	-4.84	-1	-3.84	
Band 6	6535	117	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-8.13	4.20	-4.93	-1	-3.93
	6535	117	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-8.45	4.20	-5.25	-1	-4.25
	6535	117	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-8.75	4.20	-5.55	-1	-4.55
	6695	149	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-7.93	4.00	-3.93	-1	-2.93
	6695	149	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-8.29	4.00	-4.29	-1	-3.29
	6695	149	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-8.19	4.00	-4.19	-1	-3.19
	6875	185	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-7.55	3.30	-4.25	-1	-3.25
	6875	185	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-8.63	3.30	-5.32	-1	-4.32
	6875	185	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-7.88	3.30	-4.58	-1	-3.58
	6565	123	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-9.94	4.20	-5.74	-1	-4.74
	6565	123	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.48	4.20	-5.28	-1	-4.28
	6565	123	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-10.63	4.20	-6.43	-1	-5.43
	6725	155	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-7.28	4.00	-3.28	-1	-2.28
	6725	155	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-7.45	4.00	-3.45	-1	-2.45
	6725	155	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-8.13	4.00	-4.13	-1	-3.13
	6845	179	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-7.83	3.30	-4.53	-1	-3.53
	6845	179	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-8.32	3.30	-5.02	-1	-4.02
	6845	179	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-8.73	3.30	-5.43	-1	-4.43
	6545	119	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-9.40	4.20	-5.20	-1	-4.20
	6545	119	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-9.45	4.20	-5.25	-1	-4.25
	6545	119	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-8.63	4.20	-4.43	-1	-3.43
	6705	151	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-10.63	4.00	-6.63	-1	-5.63
	6705	151	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-8.16	4.00	-4.16	-1	-3.16
	6705	151	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-9.08	4.00	-5.08	-1	-4.08
	6865	183	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-7.14	3.30	-3.84	-1	-2.84
	6865	183	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-8.49	3.30	-5.19	-1	-4.19
	6865	183	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-8.70	3.30	-5.40	-1	-4.40
	6665	143	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-7.79	4.00	-3.79	-1	-2.79
	6665	143	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-6.65	4.00	-2.65	-1	-1.65
	6665	143	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-9.77	4.00	-5.77	-1	-4.77
	6825	175	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-7.56	3.30	-4.26	-1	-3.26
	6825	175	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-8.55	3.30	-5.25	-1	-4.25
	6825	175	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-7.60	3.30	-4.30	-1	-3.30
	6895	189	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-5.05	3.30	-1.75	-1	-0.75
	6895	189	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-5.70	3.30	-2.40	-1	-1.40
	6895	189	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-5.89	3.30	-2.59	-1	-1.59
	6995	209	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-5.06	2.30	-2.76	-1	-1.76
	6995	209	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-5.31	2.30	-3.01	-1	-2.01
	6995	209	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-4.96	2.30	-2.66	-1	-1.66
	6885	187	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-7.33	3.30	-4.03	-1	-3.03
	6885	187	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-7.22	3.30	-3.92	-1	-2.92
	6885	187	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-8.18	3.30	-4.88	-1	-3.88
	7005	211	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-5.22	2.30	-2.92	-1	-1.92
	7005	211	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-4.65	2.30	-2.35	-1	-1.35
	7005	211	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-5.05	2.30	-2.75	-1	-1.75
6985	227	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-5.25	2.30	-2.95	-1	-1.95	
6985	227	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-5.51	2.30	-3.21	-1	-2.21	
7045	227	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-6.52	2.30	-4.22	-1	-3.22	
6985	199	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-6.59	2.30	-4.29	-1	-3.29	
6945	199	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-6.87	2.30	-4.57	-1	-3.57	
6945	199	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-5.89	2.30	-3.79	-1	-2.79	
7025	215	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-5.51	2.10	-3.41	-1	-2.41	
7025	215	ax (80MHz)	26	18	12.5/14.7 (						

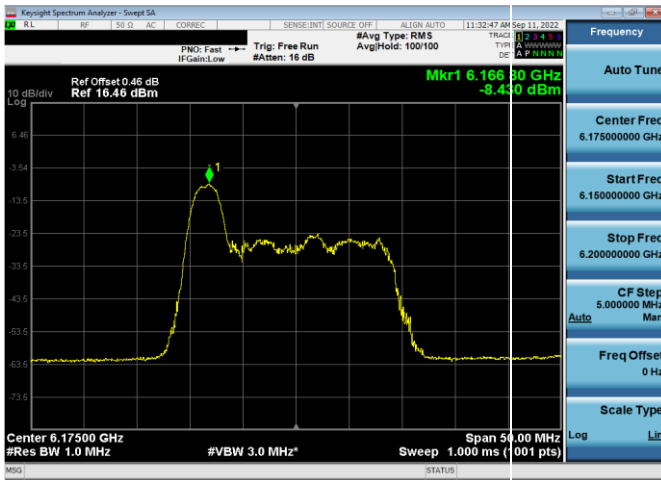
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-7.24	3.00	-4.24	-1	-3.24
	6175	45	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-7.12	3.80	-3.32	-1	-2.32
	6415	93	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-10.28	4.30	-5.98	-1	-4.98
	5965	3	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-6.45	3.00	-3.45	-1	-2.45
	6165	43	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-6.77	3.80	-2.97	-1	-1.97
	6405	91	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.30	4.60	-2.70	-1	-1.70
	5985	7	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-6.89	3.00	-3.89	-1	-2.89
	6145	39	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-6.84	3.80	-3.04	-1	-2.04
	6385	87	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-7.91	4.60	-3.31	-1	-2.31
	6025	15	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-7.10	3.90	-3.20	-1	-2.20
Band 6	6185	47	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-6.45	3.80	-2.65	-1	-1.65
	6345	79	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-7.54	4.60	-2.94	-1	-1.94
	6435	97	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-8.18	4.30	-3.88	-1	-2.88
	6475	105	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-8.09	4.30	-3.79	-1	-2.79
	6515	113	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-8.12	4.20	-3.92	-1	-2.92
	6445	99	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.12	4.30	-2.82	-1	-1.82
	6485	107	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-6.90	4.30	-2.60	-1	-1.60
	6525	115	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-6.70	4.20	-2.50	-1	-1.50
	6465	103	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-7.76	4.30	-3.46	-1	-2.46
	6505	111	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-7.11	4.20	-2.91	-1	-1.91
Band 7	6535	117	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-7.09	4.20	-2.89	-1	-1.89
	6695	149	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-7.23	4.00	-3.23	-1	-2.23
	6875	185	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-7.29	3.30	-3.99	-1	-2.99
	6565	123	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-6.50	4.20	-2.30	-1	-1.30
	6725	155	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-6.62	4.00	-2.62	-1	-1.62
	6845	179	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-6.80	3.30	-3.50	-1	-2.50
	6545	119	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-6.90	4.20	-2.70	-1	-1.70
	6705	151	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-6.51	4.00	-2.51	-1	-1.51
	6865	183	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-6.36	3.30	-3.06	-1	-2.06
	6665	143	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-6.90	4.00	-2.90	-1	-1.90
Band 8	6825	175	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-5.79	3.30	-2.49	-1	-1.49
	6895	189	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-5.70	3.30	-2.40	-1	-1.40
	6995	209	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-5.67	2.30	-3.37	-1	-2.37
	6885	187	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-6.84	3.30	-3.54	-1	-2.54
	7005	211	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-5.34	2.30	-3.04	-1	-2.04
	7085	227	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-5.31	2.30	-3.01	-1	-2.01
	6945	199	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-4.60	2.30	-2.30	-1	-1.30
	7025	215	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-4.84	2.10	-2.74	-1	-1.74
	6985	207	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-4.28	2.30	-1.98	-1	-0.98

Table 7-43. Power Spectral Density Measurements Antenna 5b (Fully loaded RU)

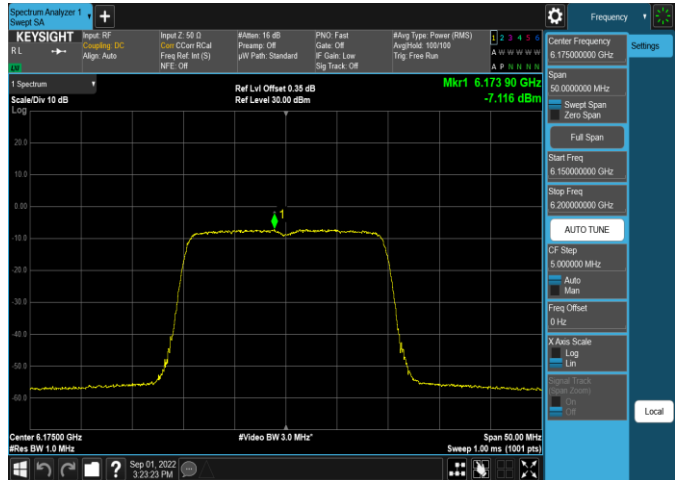
FCC ID: BCGA2764 IC: 579C-A2764	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 65 of 324

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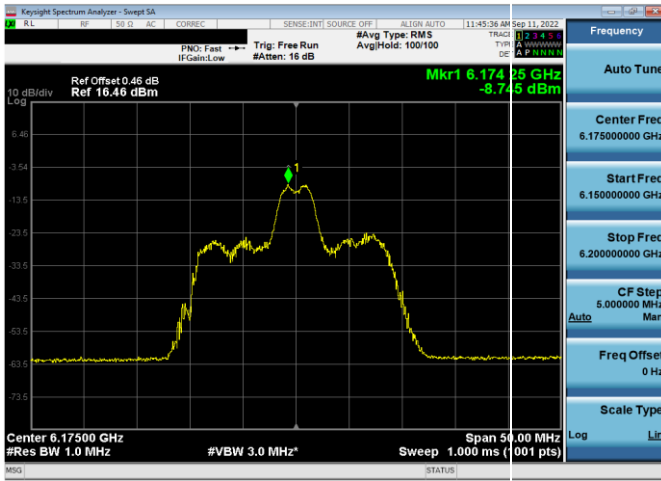
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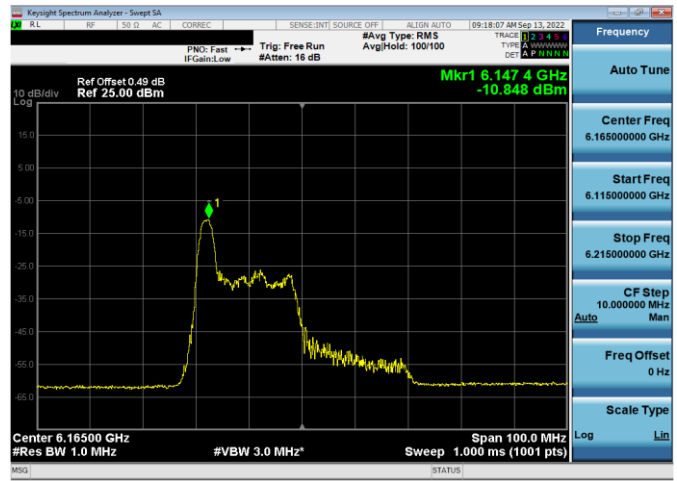
Plot 7-129. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 5) – Ch. 45)



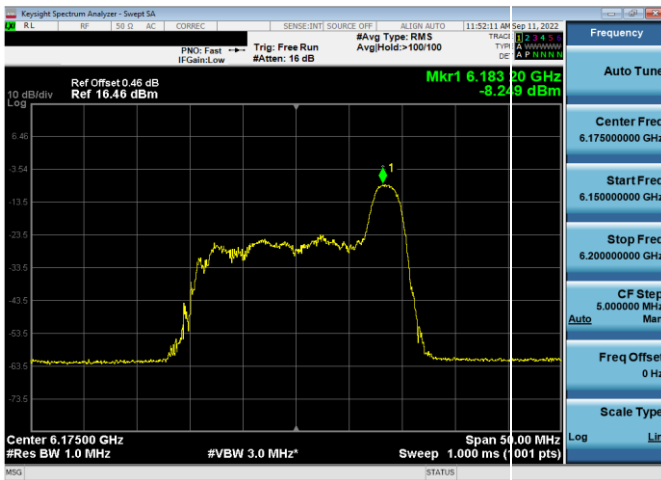
Plot 7-132. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU242 (UNII Band 5) – Ch. 45)



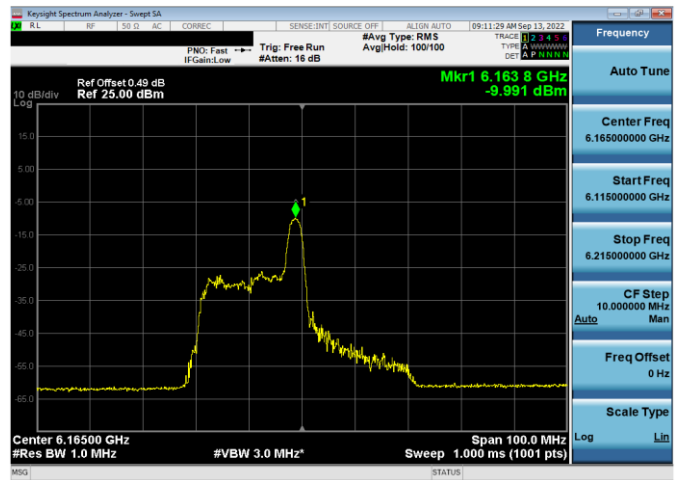
Plot 7-130. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 5) – Ch. 45)



Plot 7-133. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)

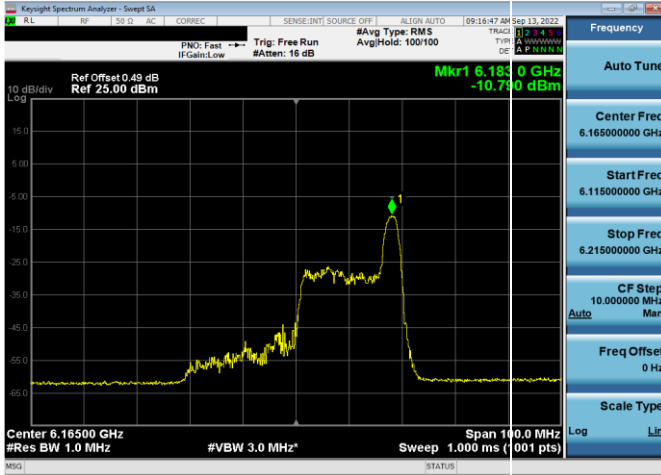


Plot 7-131. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 5) – Ch. 45)

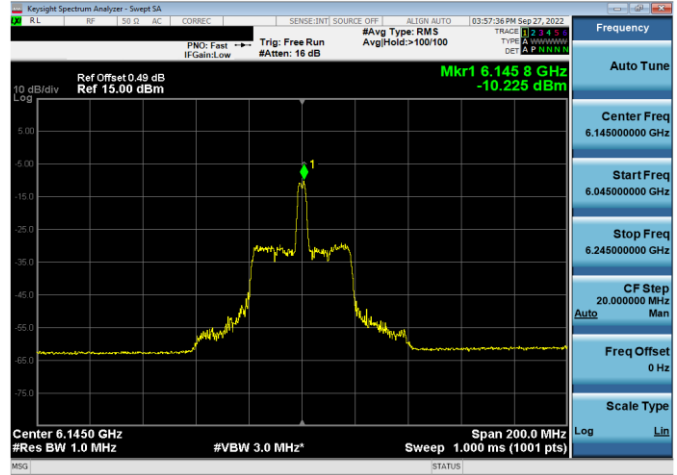


Plot 7-134. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)

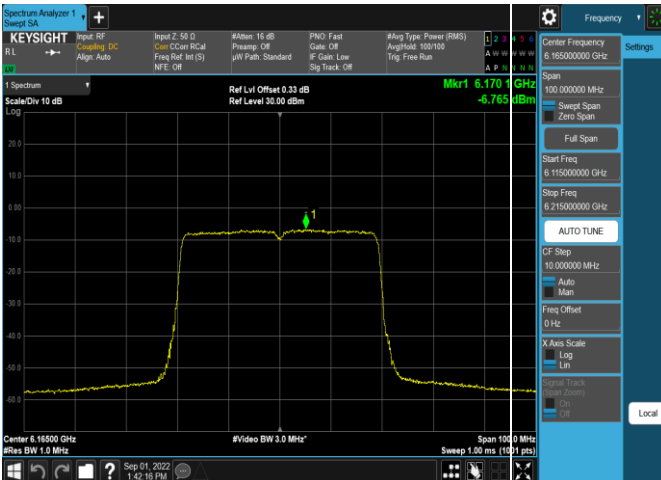
FCC ID: BCGA2764 IC: 579C-A2764	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 66 of 324



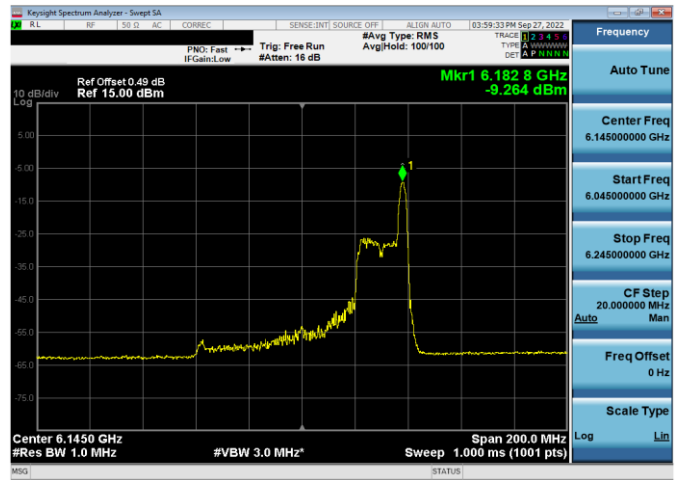
Plot 7-135. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)



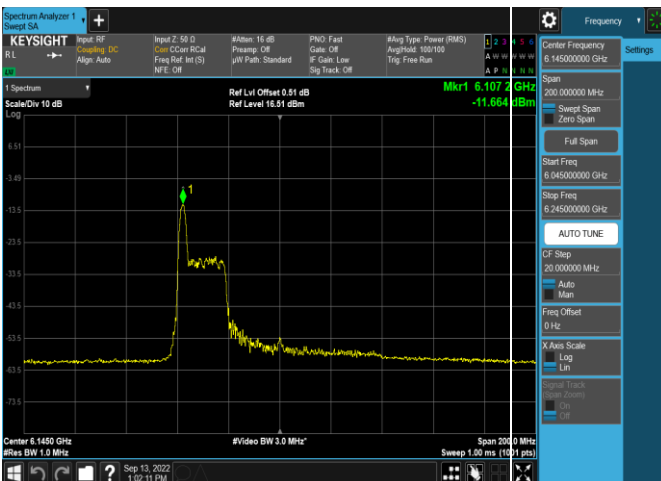
Plot 7-138. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)



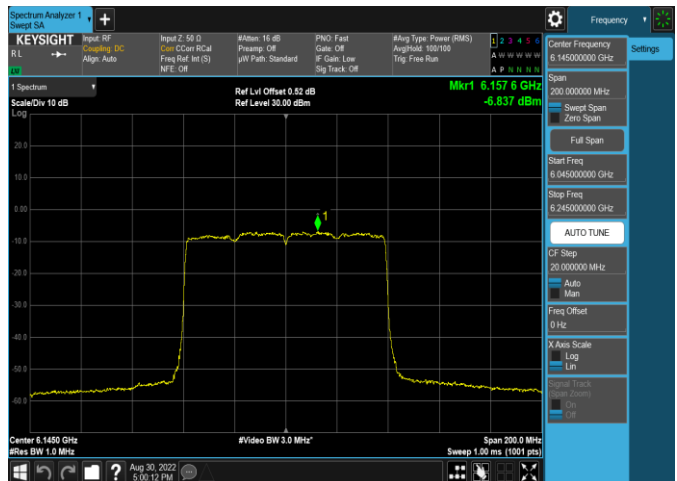
Plot 7-136. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU484 (UNII Band 5) – Ch. 43)



Plot 7-139. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)

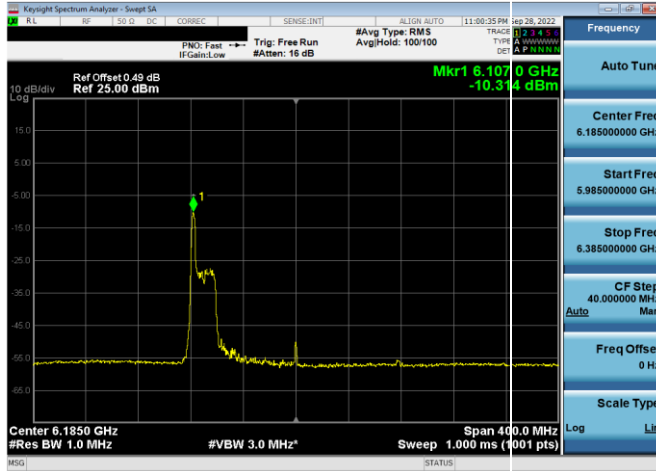


Plot 7-137. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)



Plot 7-140. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU996 (UNII Band 5) – Ch. 39)

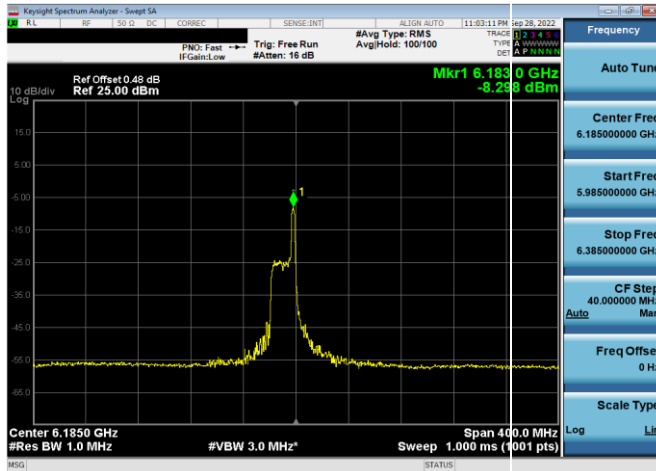
FCC ID: BCGA2764 IC: 579C-A2764	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	Page 67 of 324
	EUT Type: Tablet Device	



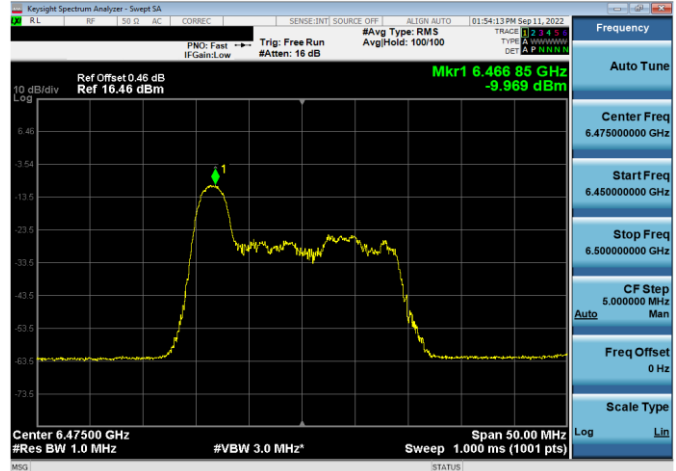
Plot 7-141. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 5) – Ch. 47)



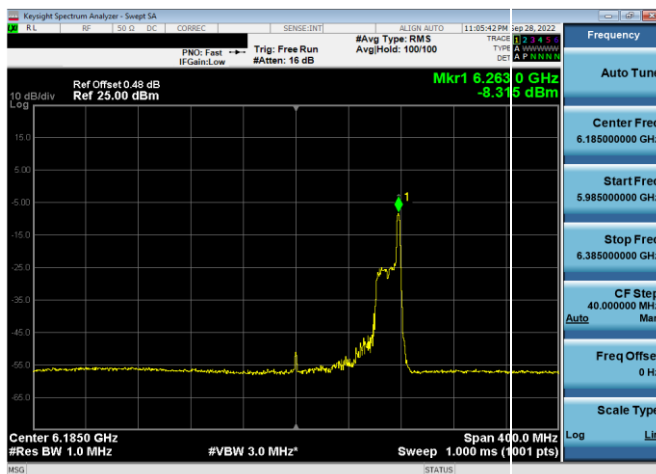
Plot 7-144. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU996x2 (UNII Band 5) – Ch. 47)



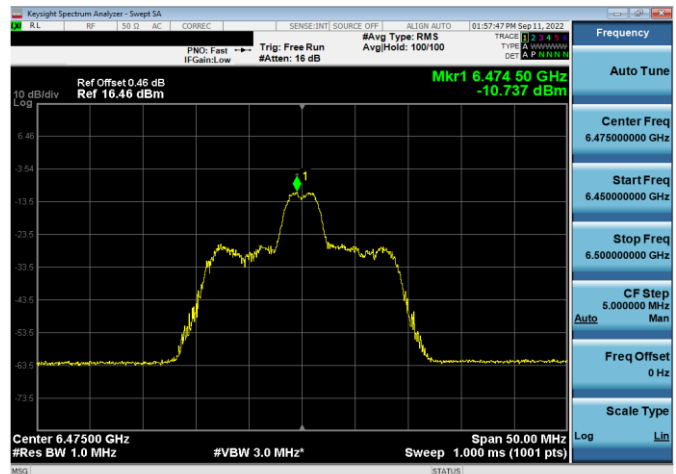
Plot 7-142. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 5) – Ch. 47)



Plot 7-145. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 6) – Ch. 105)

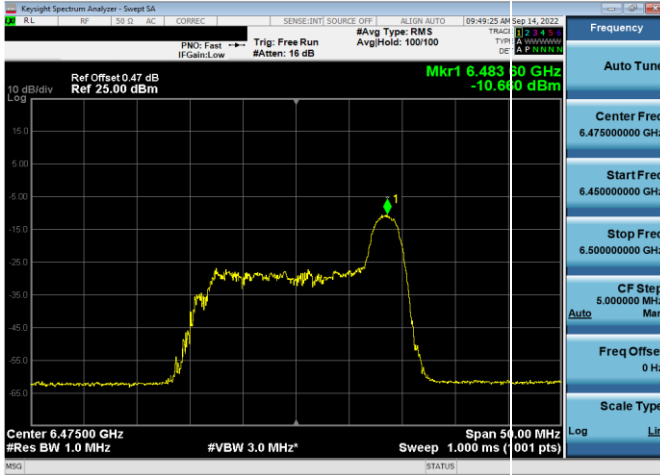


Plot 7-143. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 5) – Ch. 47)

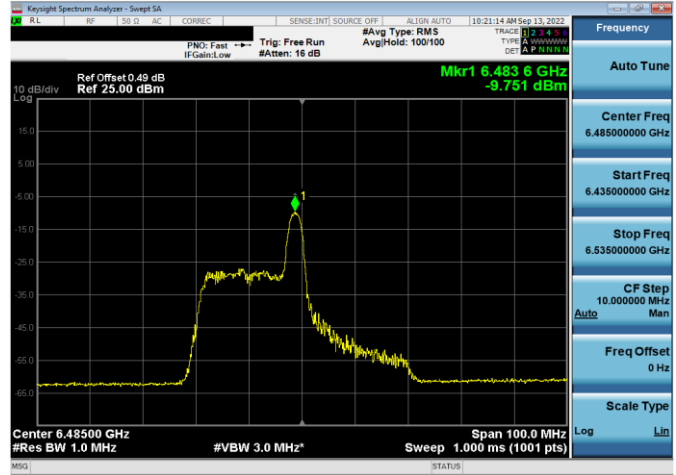


Plot 7-146. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 6) – Ch. 105)

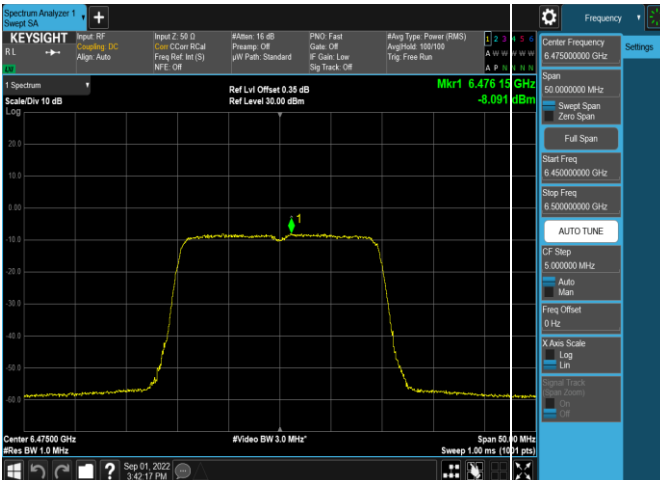
FCC ID: BCGA2764 IC: 579C-A2764	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	Page 68 of 324
	EUT Type: Tablet Device	



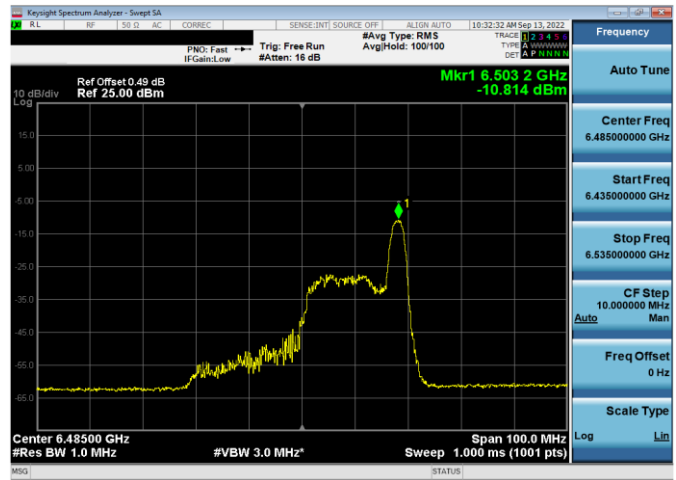
Plot 7-147. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 6) – Ch. 105)



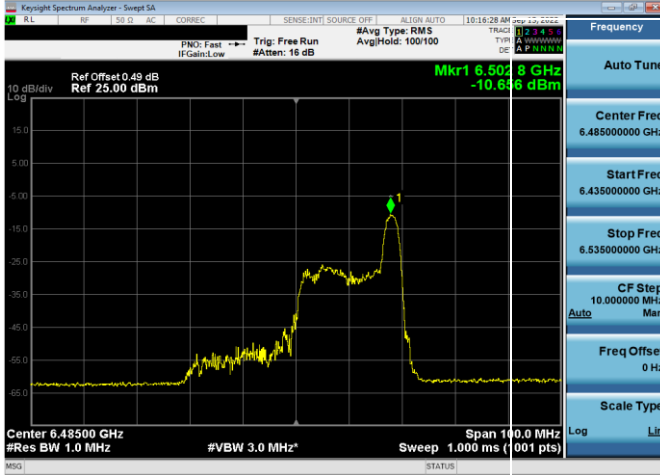
Plot 7-150. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 6) – Ch. 107)



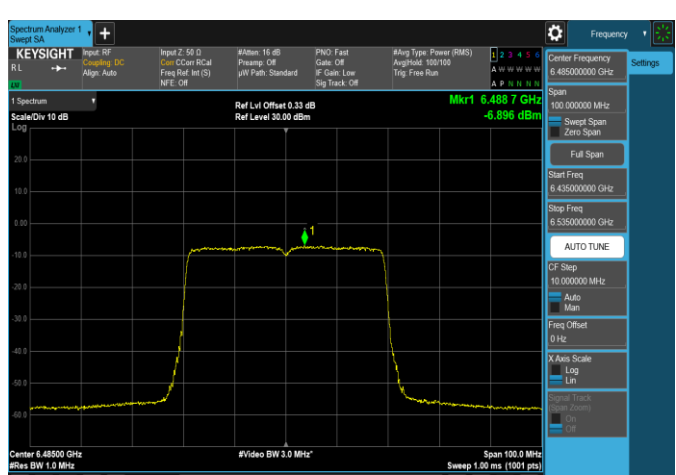
Plot 7-148. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU242 (UNII Band 6) – Ch. 105)



Plot 7-151. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 6) – Ch. 107)

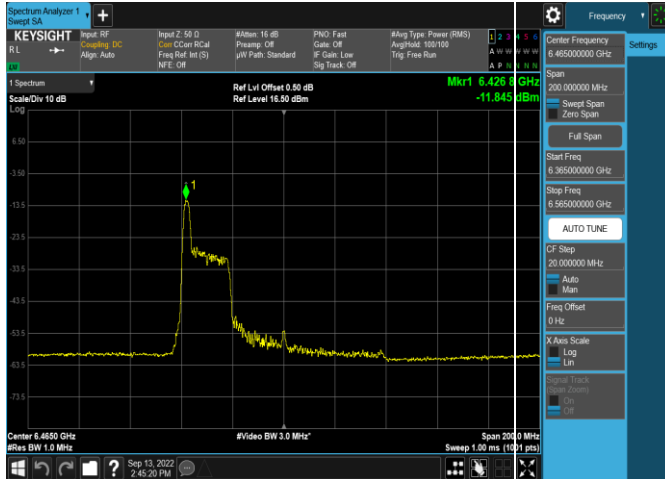


Plot 7-149. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 6) – Ch. 107)

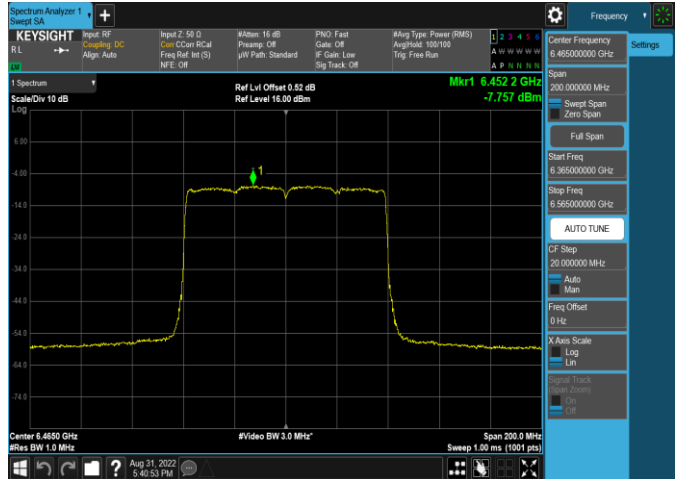


Plot 7-152. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU484 (UNII Band 6) – Ch. 107)

FCC ID: BCGA2764 IC: 579C-A2764	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 69 of 324



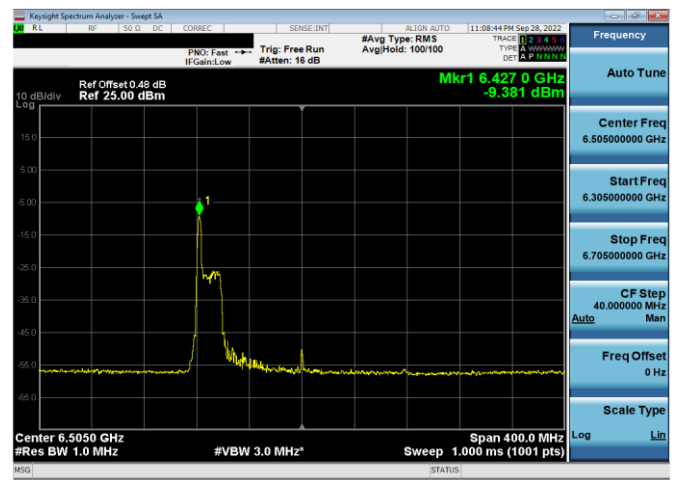
Plot 7-153. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 6) – Ch. 103)



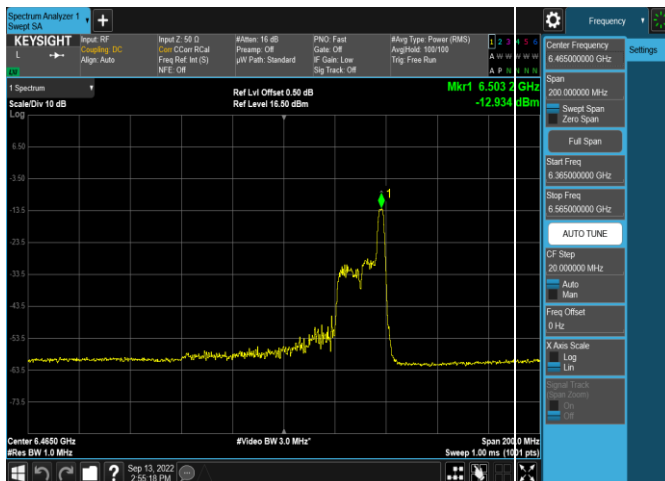
Plot 7-156. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU996 (UNII Band 6) – Ch. 103)



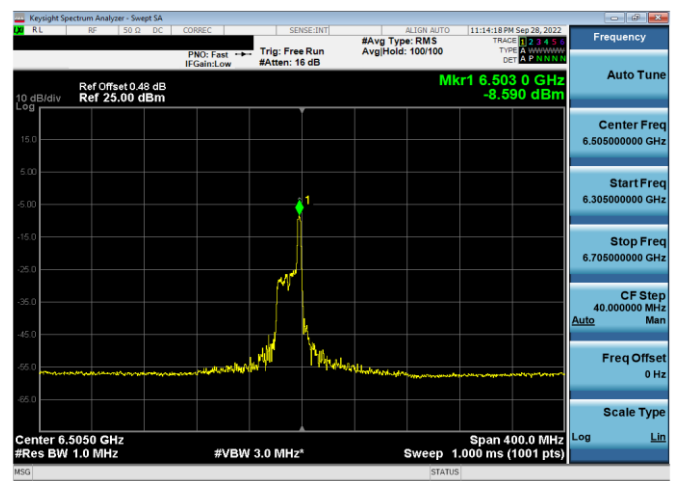
Plot 7-154. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 6) – Ch. 103)



Plot 7-157. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 6) – Ch. 111)

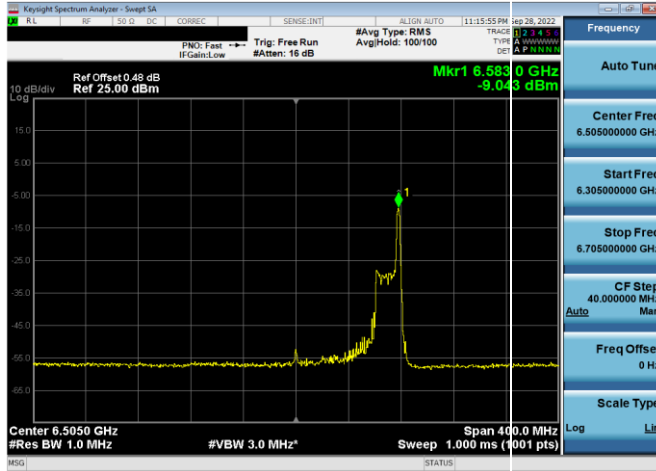


Plot 7-155. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 6) – Ch. 103)

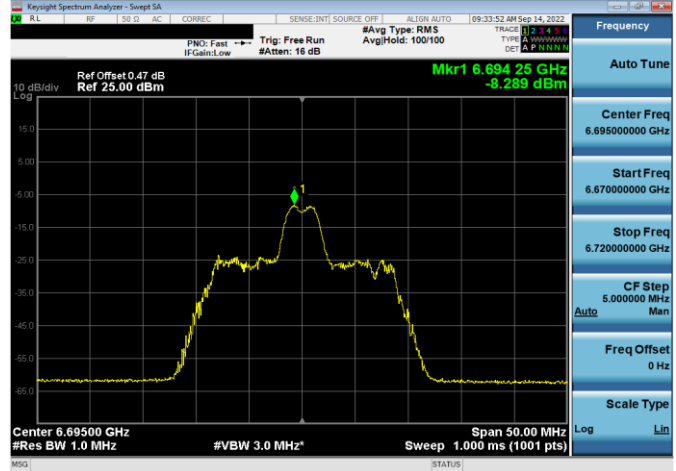


Plot 7-158. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 6) – Ch. 111)

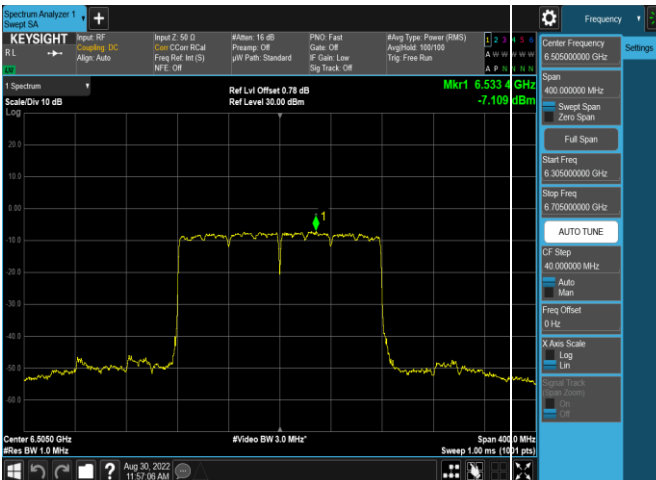
FCC ID: BCGA2764 IC: 579C-A2764	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 70 of 324



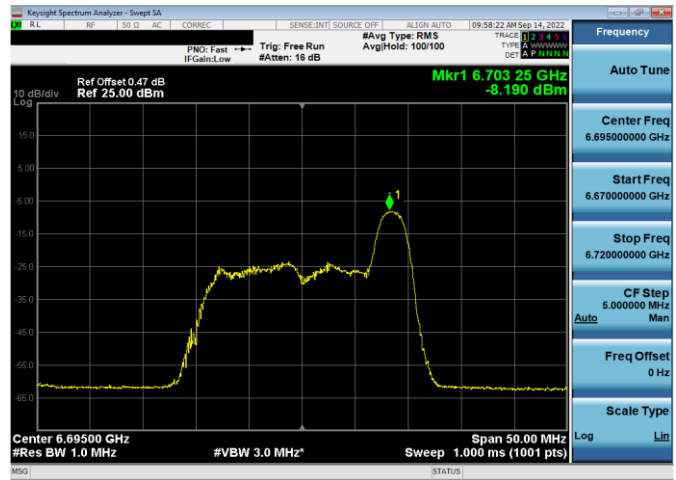
Plot 7-159. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 6) – Ch. 111)



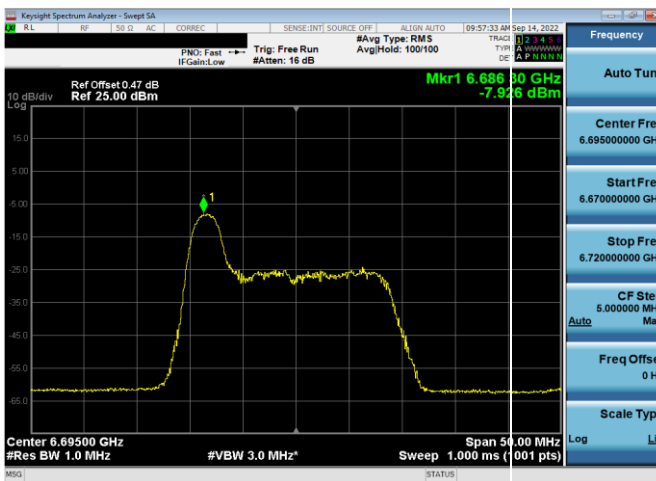
Plot 7-162. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 7) – Ch. 149)



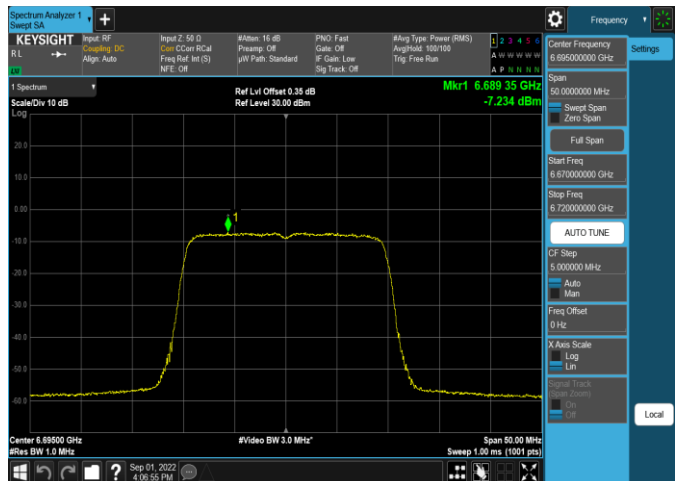
Plot 7-160. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU996x2 (UNII Band 6) – Ch. 111)



Plot 7-163. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 7) – Ch. 149)

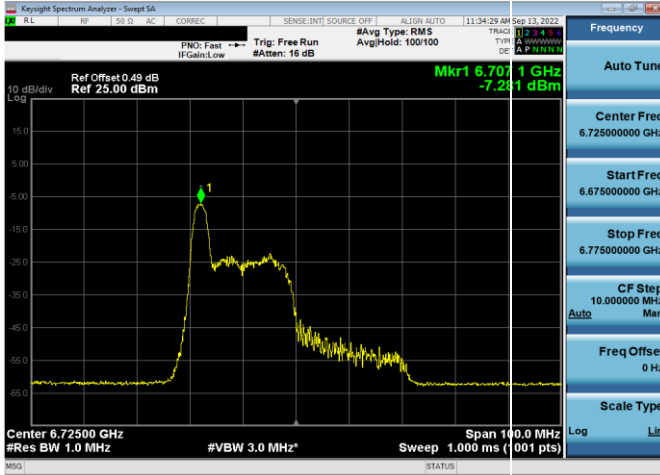


Plot 7-161. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 7) – Ch. 149)

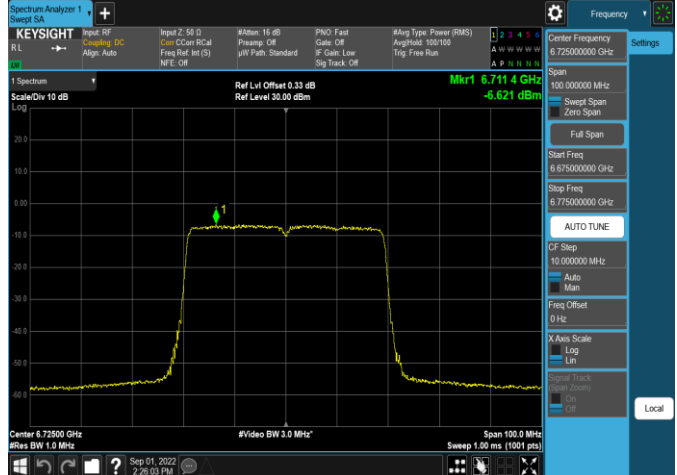


Plot 7-164. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU242 (UNII Band 7) – Ch. 149)

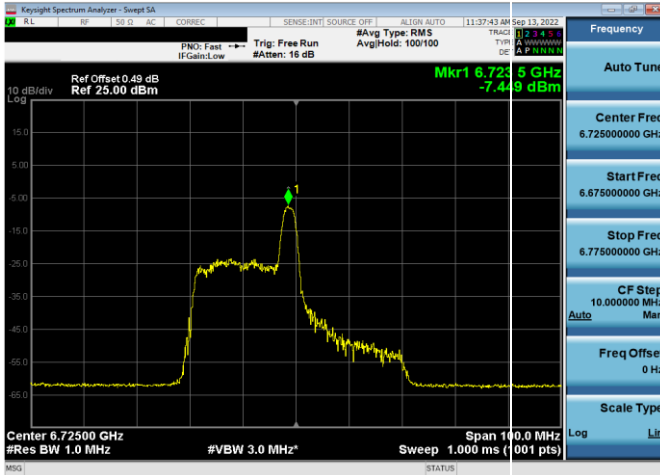
FCC ID: BCGA2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 71 of 324



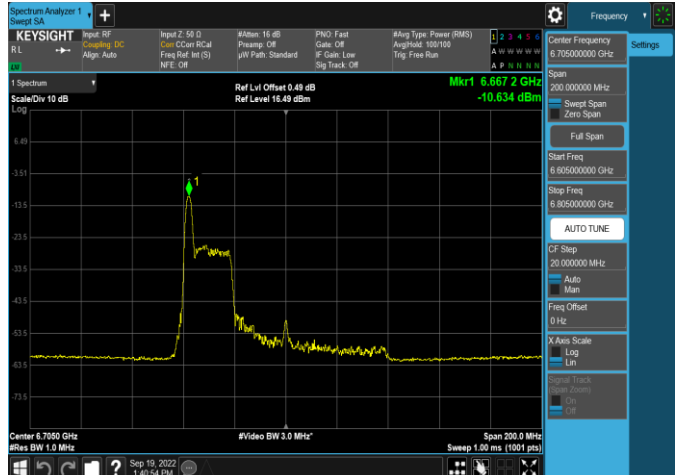
Plot 7-165. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 7) – Ch. 155)



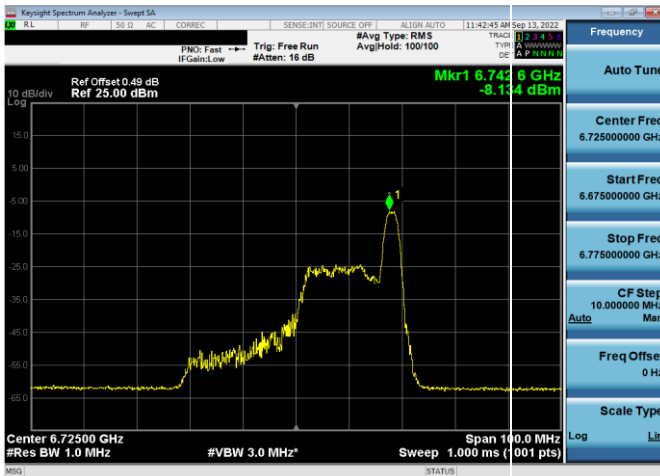
Plot 7-168. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU484 (UNII Band 7) – Ch. 155)



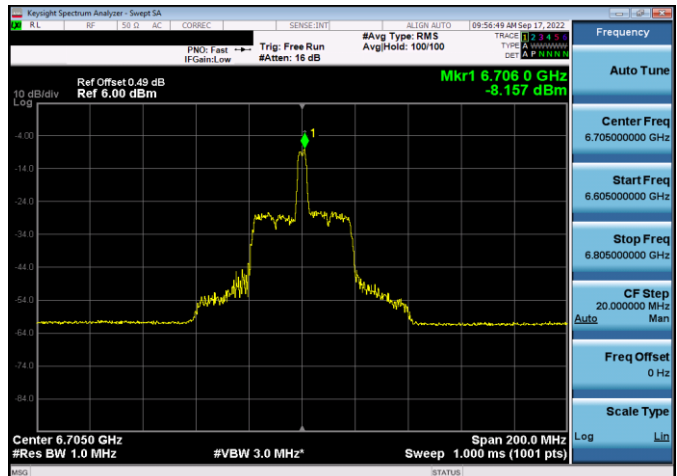
Plot 7-166. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 7) – Ch. 155)



Plot 7-169. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 7) – Ch. 151)

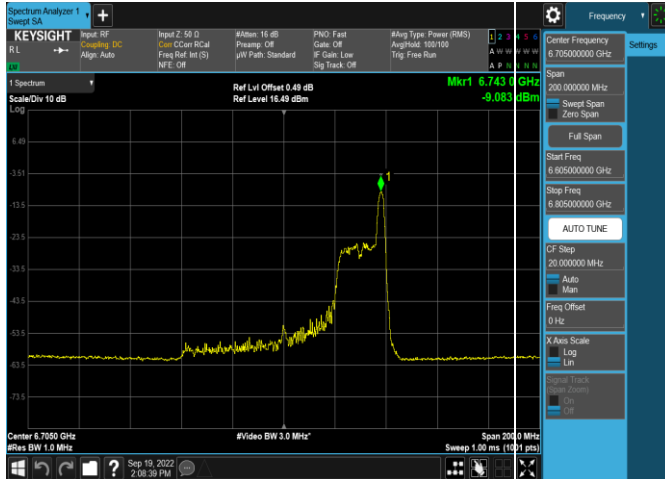


Plot 7-167. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 7) – Ch. 155)

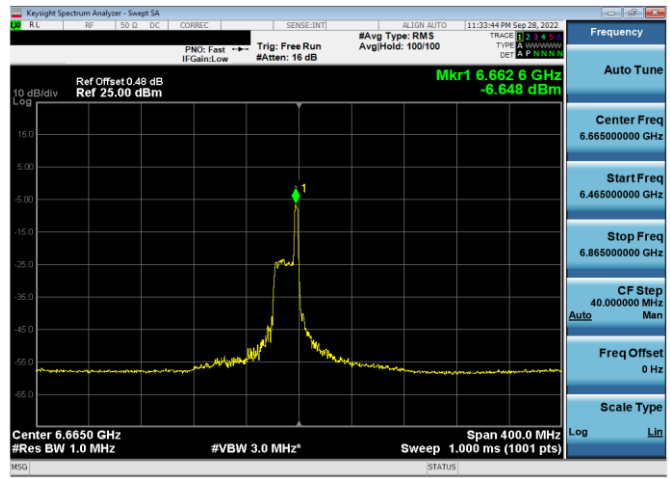


Plot 7-170. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 7) – Ch. 151)

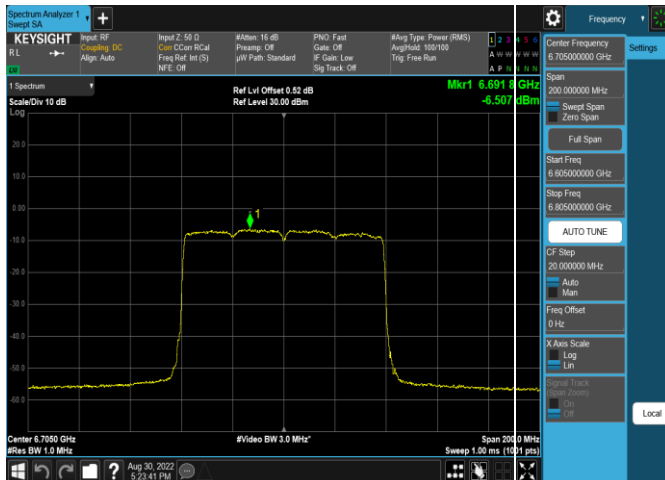
FCC ID: BCGA2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 72 of 324



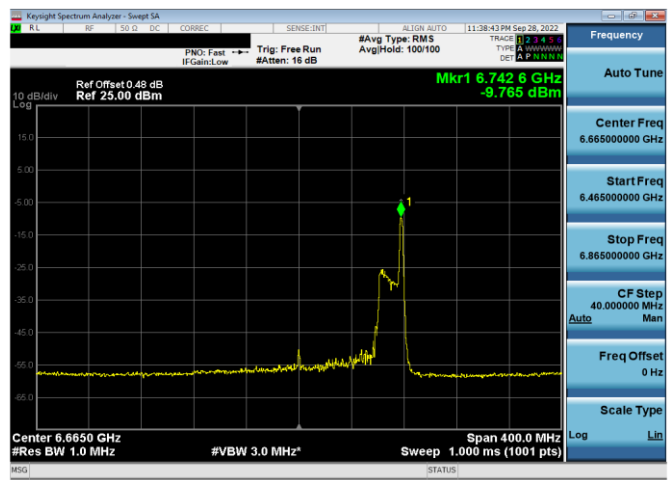
Plot 7-171. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 7) – Ch. 151)



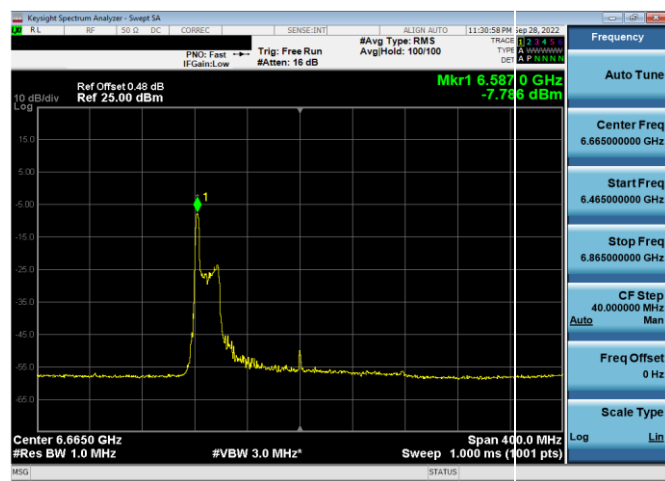
Plot 7-174. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 7) – Ch. 143)



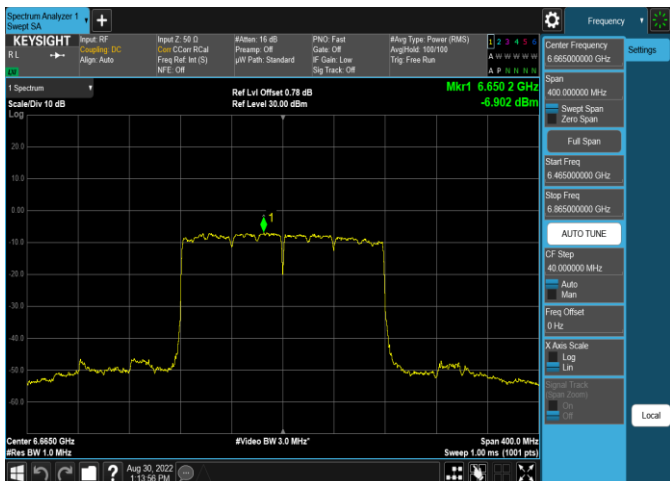
Plot 7-172. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU996 (UNII Band 7) – Ch. 151)



Plot 7-175. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 7) – Ch. 143)

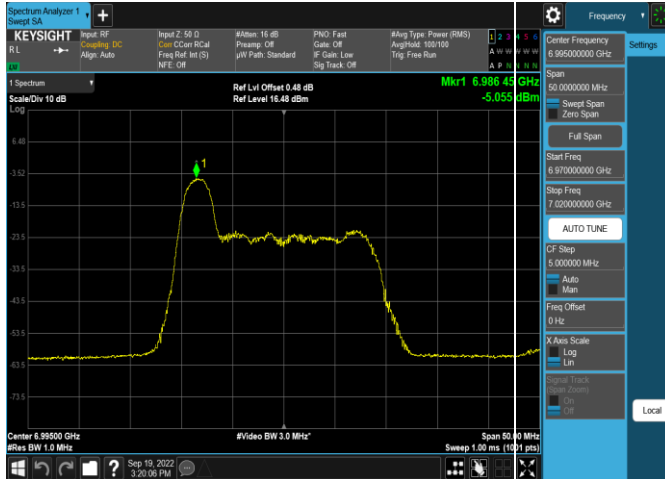


Plot 7-173. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 7) – Ch. 143)

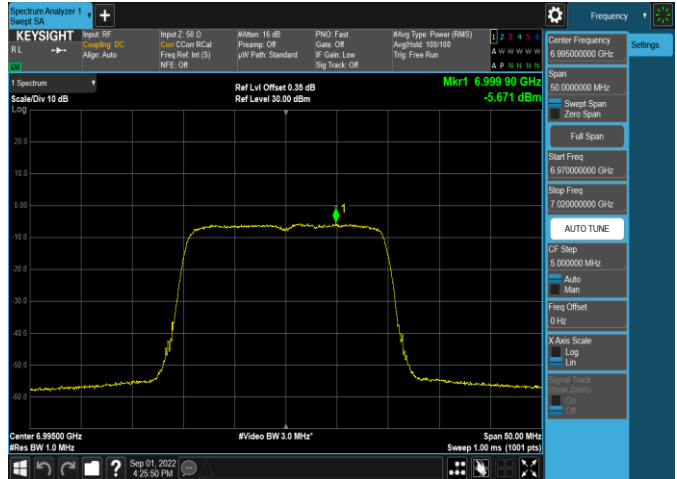


Plot 7-176. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU996x2 (UNII Band 7) – Ch. 143)

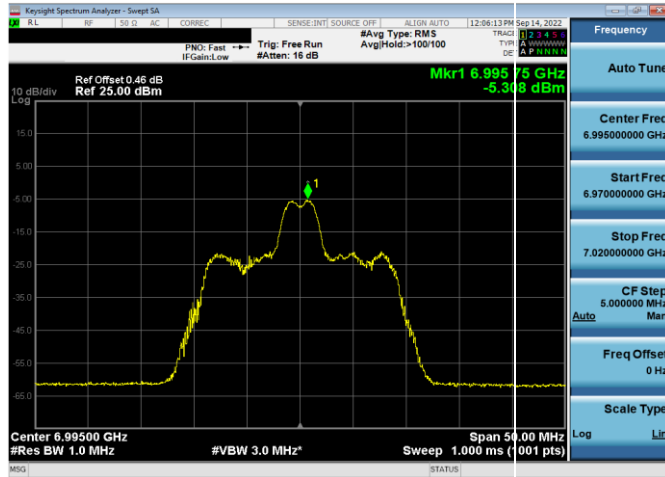
FCC ID: BCGA2764 IC: 579C-A2764	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 73 of 324



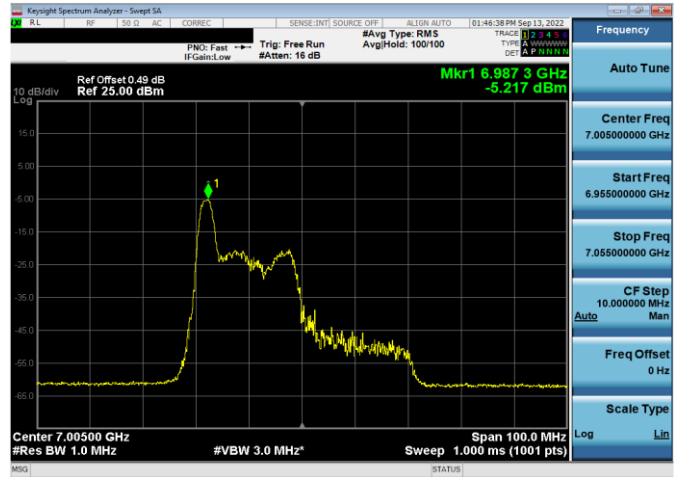
Plot 7-177. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 8) – Ch. 209)



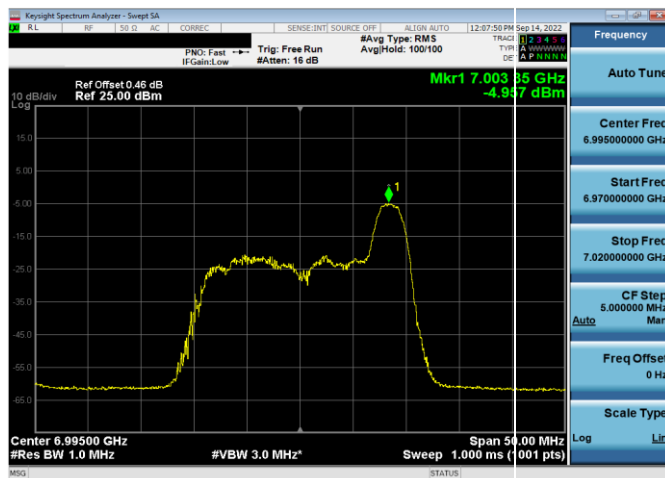
Plot 7-180. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU242 (UNII Band 8) – Ch. 209)



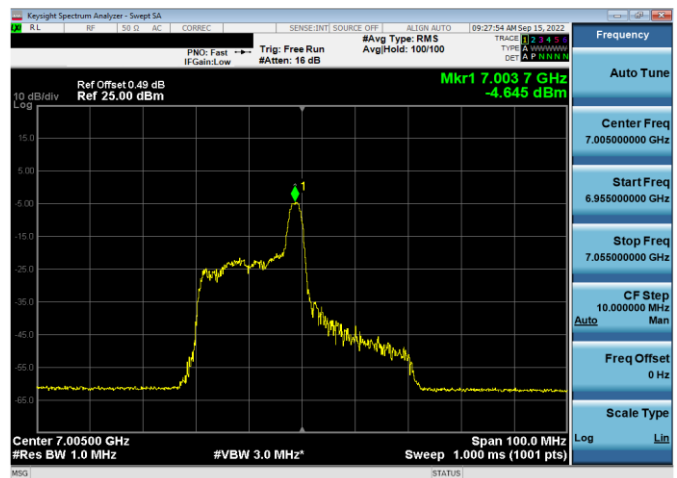
Plot 7-178. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 8) – Ch. 209)



Plot 7-181. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 8) – Ch. 211)

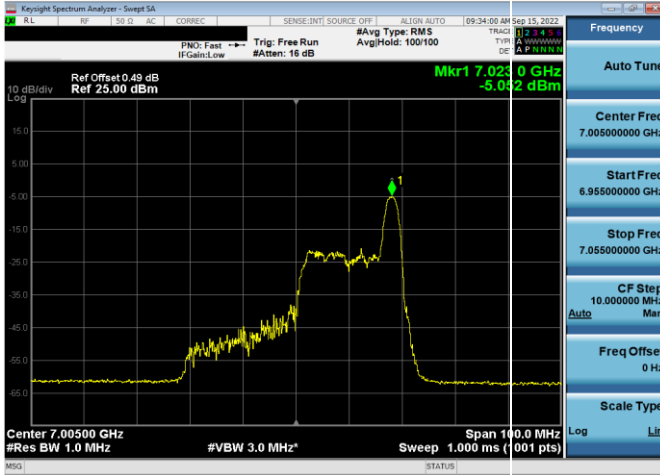


Plot 7-179. Power Spectral Density Plot Antenna 5b (20MHz 802.11ax RU26 (UNII Band 8) – Ch. 209)

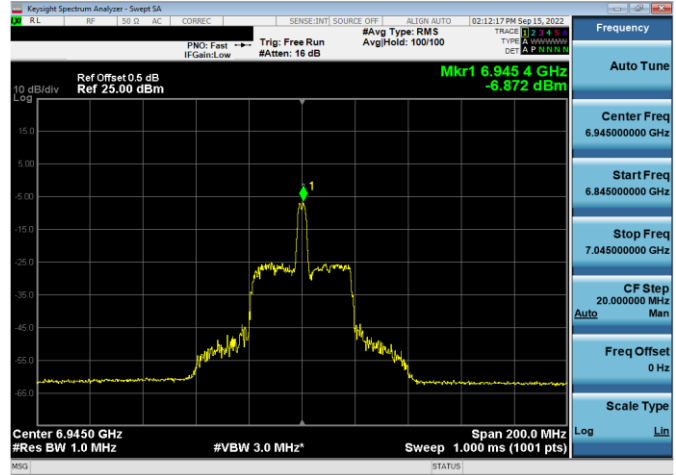


Plot 7-182. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 8) – Ch. 211)

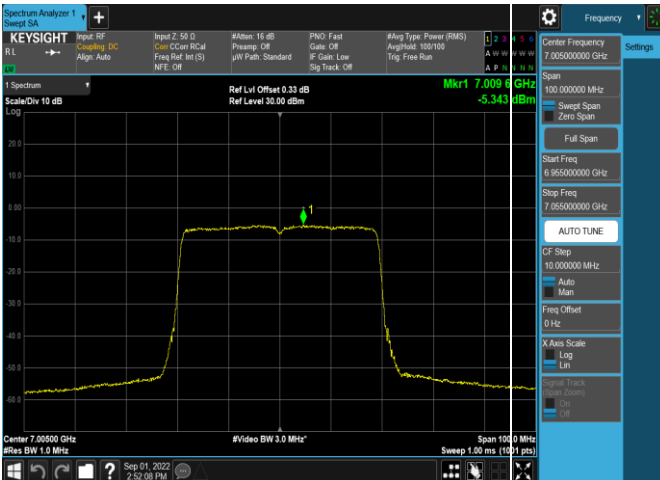
FCC ID: BCGA2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG			
Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device		Page 74 of 324



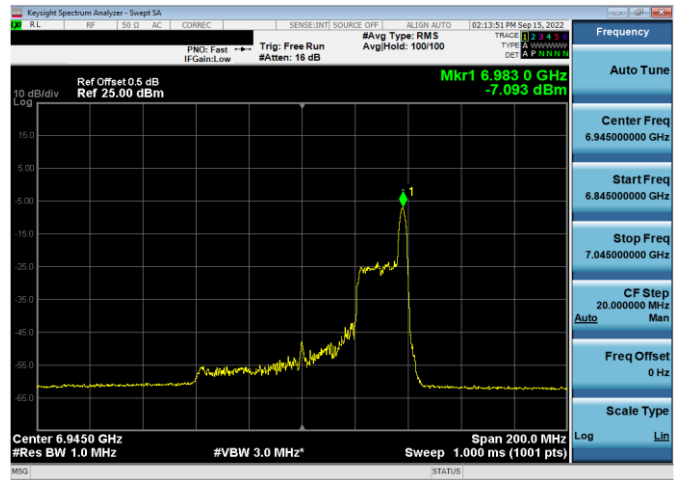
Plot 7-183. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU26 (UNII Band 8) – Ch. 211)



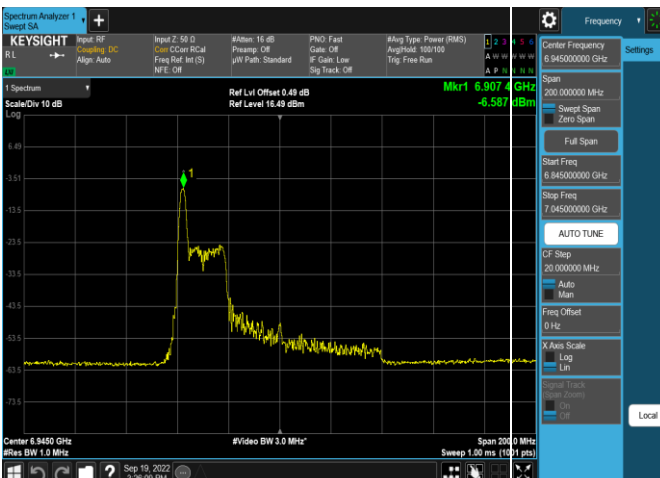
Plot 7-186. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 8) – Ch. 199)



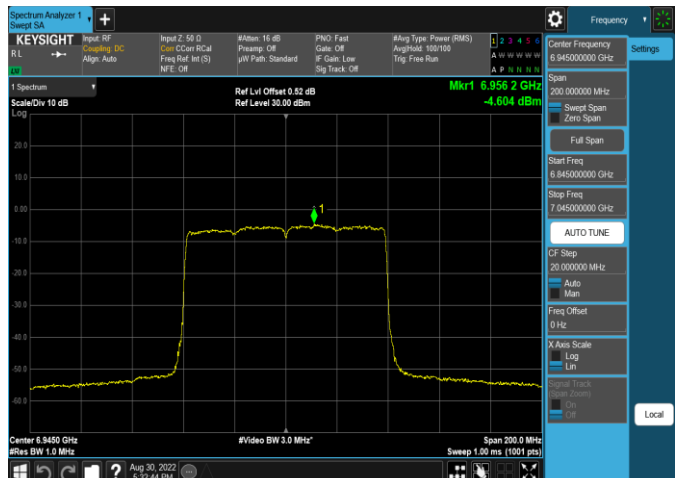
Plot 7-184. Power Spectral Density Plot Antenna 5b (40MHz 802.11ax RU484 (UNII Band 8) – Ch. 211)



Plot 7-187. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 8) – Ch. 199)

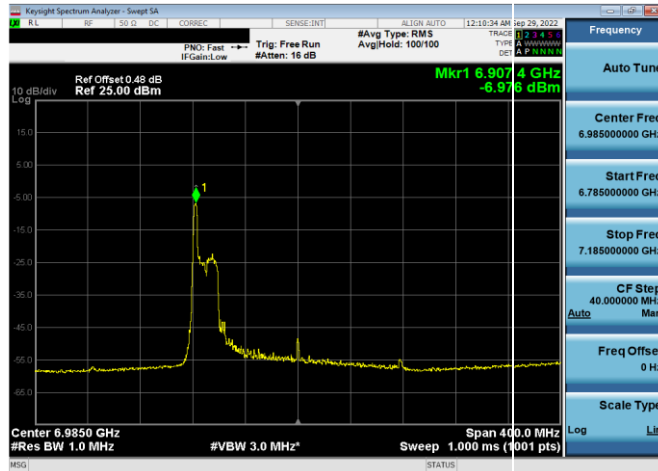


Plot 7-185. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU26 (UNII Band 8) – Ch. 199)

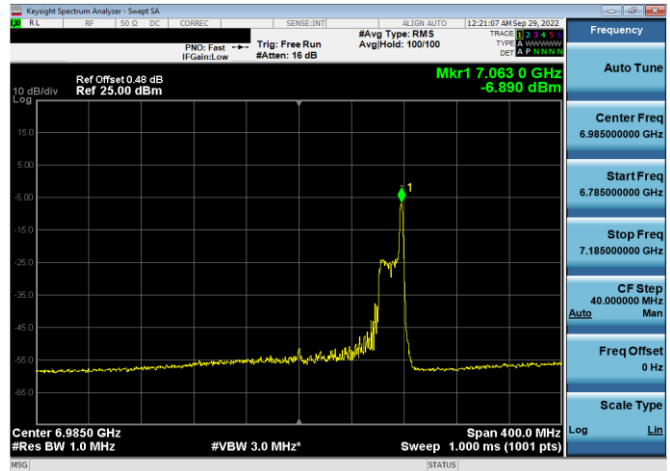


Plot 7-188. Power Spectral Density Plot Antenna 5b (80MHz 802.11ax RU996 (UNII Band 8) – Ch. 199)

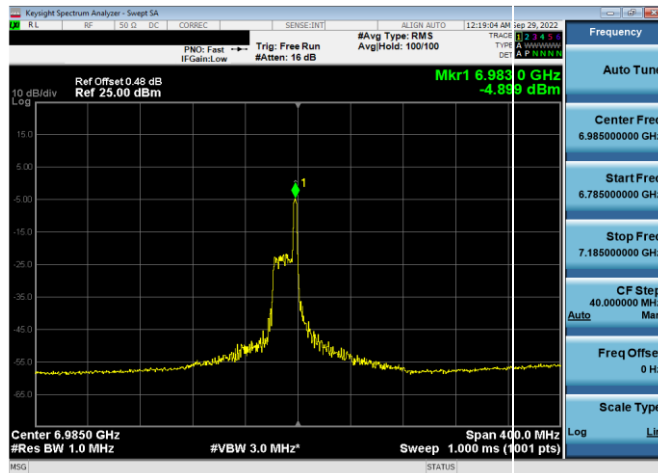
FCC ID: BCGA2764 IC: 579C-A2764	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	Page 75 of 324
	EUT Type: Tablet Device	



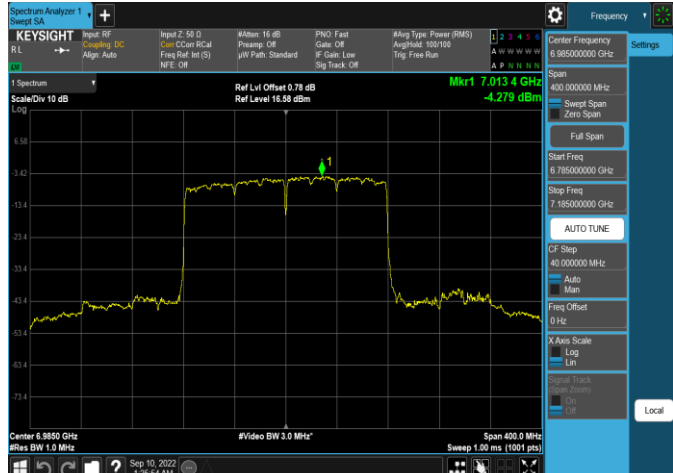
Plot 7-189. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 8) – Ch. 207)



Plot 7-191. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 8) – Ch. 207)



Plot 7-190. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU26 (UNII Band 8) – Ch. 207)



Plot 7-192. Power Spectral Density Plot Antenna 5b (160MHz 802.11ax RU996x2 (UNII Band 8) – Ch. 207)

FCC ID: BCGA2764 IC: 579C-A2764		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG			Page 76 of 324
Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device		

7.4.2 Antenna 4a 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.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-8.16	0.10	-8.06	-1	-7.06
	5955	1	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-8.64	0.10	-8.54	-1	-7.54
	5955	1	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-8.18	0.10	-8.08	-1	-7.08
	6175	45	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-8.44	1.30	-7.14	-1	-6.14
	6175	45	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-9.17	1.30	-7.87	-1	-6.87
	6175	45	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-8.42	1.30	-7.12	-1	-6.12
	6415	93	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-10.24	1.80	-8.44	-1	-7.44
	6415	93	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-10.59	1.80	-8.79	-1	-7.79
	6415	93	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-10.18	1.80	-8.38	-1	-7.38
	5965	3	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-9.04	0.10	-8.94	-1	-7.94
	5965	3	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-8.32	0.10	-8.22	-1	-7.22
	5965	3	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-8.00	0.10	-7.90	-1	-6.90
	6165	43	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.59	1.30	-9.29	-1	-8.29
	6165	43	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.35	1.30	-8.05	-1	-7.05
	6165	43	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-10.22	1.30	-8.92	-1	-7.92
	6405	91	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.15	1.40	-8.75	-1	-7.75
	6405	91	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.54	1.40	-8.14	-1	-7.14
	6405	91	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-10.35	1.40	-8.95	-1	-7.95
	5985	7	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-10.80	0.10	-10.70	-1	-9.70
	Band 6	5985	7	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-10.85	0.10	-10.75	-1
5985		7	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-10.73	0.10	-10.63	-1	-9.63
6145		39	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-10.92	1.30	-9.62	-1	-8.62
6145		39	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-10.70	1.30	-9.40	-1	-8.40
6145		39	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-9.56	1.30	-8.26	-1	-7.26
6385		87	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-11.02	1.40	-9.62	-1	-8.62
6385		87	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-11.31	1.40	-9.91	-1	-8.91
6385		87	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-11.32	1.40	-9.92	-1	-8.92
6025		15	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-12.05	1.70	-10.35	-1	-9.35
6025		15	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-12.10	1.70	-10.40	-1	-9.40
6025		15	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-10.39	1.70	-8.69	-1	-7.69
6185		47	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-10.10	1.30	-8.80	-1	-7.80
6185		47	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-8.55	1.30	-7.25	-1	-6.25
6185		47	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-9.27	1.30	-7.97	-1	-6.97
6345		79	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-11.36	1.40	-9.96	-1	-8.96
6345		79	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-11.69	1.40	-10.29	-1	-9.29
6345		79	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-10.38	1.40	-8.98	-1	-7.98
6435		97	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-10.29	1.80	-8.49	-1	-7.49
6435		97	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-10.67	1.80	-8.87	-1	-7.87
6435		97	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-10.04	1.80	-8.24	-1	-7.24
Band 7	6475	105	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-10.69	1.80	-8.89	-1	-7.89
	6475	105	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-10.56	1.80	-8.76	-1	-7.76
	6475	105	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-10.14	1.80	-8.34	-1	-7.34
	6515	113	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-10.22	1.10	-9.12	-1	-8.12
	6515	113	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-10.33	1.10	-9.23	-1	-8.23
	6515	113	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-10.09	1.10	-8.99	-1	-7.99
	6445	99	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.51	1.80	-8.71	-1	-7.71
	6445	99	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-10.27	1.80	-8.47	-1	-7.47
	6445	99	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-10.41	1.80	-8.61	-1	-7.61
	6485	107	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.36	1.80	-8.56	-1	-7.56
	6485	107	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.35	1.80	-7.55	-1	-6.55
	6485	107	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-10.03	1.80	-8.23	-1	-7.23
	6525	115	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-10.10	1.10	-9.00	-1	-8.00
	6525	115	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.39	1.10	-8.29	-1	-7.29
	6525	115	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-11.61	1.10	-10.51	-1	-9.51
	6465	103	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-11.37	1.80	-9.57	-1	-8.57
	6465	103	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-12.45	1.80	-10.65	-1	-9.65
	6465	103	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-12.73	1.80	-10.93	-1	-9.93
	6505	111	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-9.65	1.10	-8.55	-1	-7.55
	6505	111	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-8.94	1.10	-7.84	-1	-6.84
6505	111	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-9.32	1.10	-8.22	-1	-7.22	
Band 8	6535	117	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-9.07	1.10	-7.97	-1	-6.97
	6535	117	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-8.31	1.10	-7.21	-1	-6.21
	6535	117	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-8.65	1.10	-7.55	-1	-6.55
	6695	149	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-8.79	0.60	-8.19	-1	-7.19
	6695	149	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-8.64	0.60	-8.04	-1	-7.04
	6695	149	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-9.12	0.60	-8.52	-1	-7.52
	6875	185	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-8.11	-1.00	-9.11	-1	-8.11
	6875	185	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-8.66	-1.00	-9.66	-1	-8.66
	6875	185	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-8.68	-1.00	-9.68	-1	-8.68
	6565	123	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-11.45	1.10	-10.35	-1	-9.35
	6565	123	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-10.47	1.10	-9.37	-1	-8.37
	6565	123	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-11.46	1.10	-10.36	-1	-9.36
	6725	155	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-12.27	0.70	-11.57	-1	-10.57
	6725	155	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-11.48	0.70	-10.78	-1	-9.78
	6725	155	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-12.34	0.70	-11.64	-1	-10.64
	6845	179	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-8.83	-1.00	-9.83	-1	-8.83
	6845	179	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-8.81	-1.00	-9.81	-1	-8.81
	6845	179	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-9.90	-1.00	-10.90	-1	-9.90
	6545	119	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-9.79	1.10	-8.69	-1	-7.69
	6545	119	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-9.54	1.10	-8.44	-1	-7.44
6545	119	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-9.50	1.10	-8.40	-1	-7.40	
Band 9	6705	151	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-9.25	0.60	-8.65	-1	-7.65
	6705	151	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-9.92	0.60	-9.32	-1	-8.32
	6705	151	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-10.42	0.60	-9.82	-1	-8.82
	6865	183	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-7.11	-1.00	-8.11	-1	-7.11
	6865	183	ax (80MHz)	26	18	12.5/14.7 (MCS11)	-8.15	-1.00	-9.15	-1	-8.15
	6865	183	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-8.27	-1.00	-9.27	-1	-8.27
	6665	143	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-8.64	0.60	-8.04	-1	-7.04
	6665	143	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-7.92	0.60	-7.32	-1	-6.32
	6665	143	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-10.68	0.60	-10.08	-1	-9.08
	6825	175	ax (160MHz)	26	0	12.5/14.7 (MCS11)	-8.37	-1.00	-9.37	-1	-8.37
	6825	175	ax (160MHz)	26	18	12.5/14.7 (MCS11)	-7.74	-1.00	-8.74	-1	-7.74
	6825	175	ax (160MHz)	26	36	12.5/14.7 (MCS11)	-7.35	-1.00	-8.35	-1	-7.35
	6895	189	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-5.87	-1.00	-6.87	-1	-5.87
	6895	189	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-6.59	-1.00	-7.59	-1	-6.59
	6895	189	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-6.63	-1.00	-7.63	-1	-6.63
	6995	209	ax (20MHz)	26	0	12.5/14.7 (MCS11)	-6.42	-2.00	-8.42	-1	-7.42
	6995	209	ax (20MHz)	26	4	12.5/14.7 (MCS11)	-6.47	-2.00	-8.47	-1	-7.47
	6995	209	ax (20MHz)	26	8	12.5/14.7 (MCS11)	-6.17	-2.00	-8.17	-1	-7.17
	6885	187	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-7.93	-1.00	-8.93	-1	-7.93
	6885	187	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-7.91	-1.00	-8.91	-1	-7.91
6885	187	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-9.13	-1.00	-10.13	-1	-9.13	
Band 10	7005	211	ax (40MHz)	26	0	12.5/14.7 (MCS11)	-6.04	-2.00	-8.04	-1	-7.04
	7005	211	ax (40MHz)	26	8	12.5/14.7 (MCS11)	-9.72	-2.00	-11.72	-1	-10.72
	7005	211	ax (40MHz)	26	17	12.5/14.7 (MCS11)	-2.07	-2.00	-8.27	-1	-7.27
	7005	211	ax (40MHz)	26	36	12.5/14.7 (MCS11)	-5.81	-1.00	-8.81	-1	-7.81
	7085	227	ax (80MHz)	26	8	12.5/14.7 (MCS11)	-5.32	-3.00	-8.32	-1	-7.32
	7085	227	ax (80MHz)	26	17	12.5/14.7 (MCS11)	-6.30	-3.00	-9.30	-1	-8.30
	6945	199	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-5.69	-2.00	-7.69	-1	-6.69
	6945	199	ax (80MHz)	26	8	12.5/14.7 (MCS11)	-5.73	-2.00	-7.73	-1	-6.73
	6945	199	ax (80MHz)	26	36	12.5/14.7 (MCS11)	-5.85	-2.00	-7.85	-1	-6.85
	7025	215	ax (80MHz)	26	0	12.5/14.7 (MCS11)	-5.99				

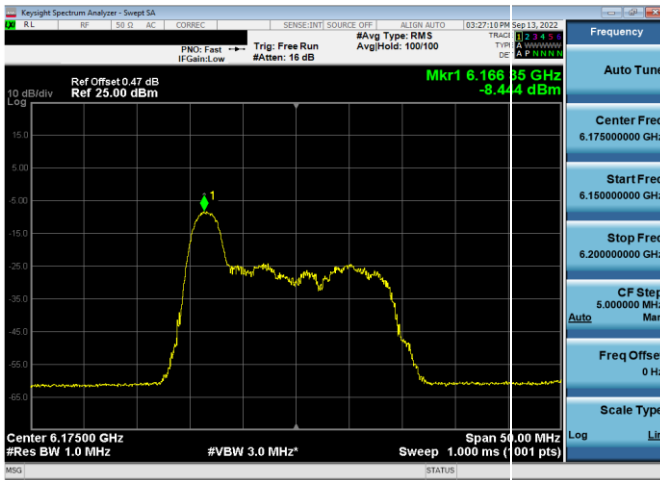
	Frequency [MHz]	Channel	802.11 MODE	RU Size	RU Index	Data Rate [Mbps]	Measured Power Density [dBm/MHz]	Antenna Gain [dBi]	e.i.r.p Density [dBm/MHz]	Max EIRP Density [dBm/MHz]	Margin [dB]
Band 5	5955	1	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-8.21	0.10	-8.11	-1	-7.11
	6175	45	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-7.93	1.30	-6.63	-1	-5.63
	6415	93	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-10.69	1.80	-8.89	-1	-7.89
	5965	3	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.84	0.10	-7.74	-1	-6.74
	6165	43	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.91	1.30	-6.61	-1	-5.61
	6405	91	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-8.41	1.40	-7.01	-1	-6.01
	5985	7	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-7.91	0.10	-7.81	-1	-6.81
	6145	39	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-8.18	1.30	-6.88	-1	-5.88
	6385	87	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-9.26	1.40	-7.86	-1	-6.86
	6025	15	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-8.09	1.70	-6.39	-1	-5.39
Band 6	6185	47	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-8.12	1.30	-6.82	-1	-5.82
	6345	79	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-7.62	1.40	-6.22	-1	-5.22
	6435	97	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-9.09	1.80	-7.29	-1	-6.29
	6475	105	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-9.08	1.80	-7.28	-1	-6.28
	6515	113	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-9.05	1.10	-7.95	-1	-6.95
	6445	99	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-8.12	1.80	-6.32	-1	-5.32
	6485	107	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-8.11	1.80	-6.31	-1	-5.31
	6525	115	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.88	1.10	-6.78	-1	-5.78
	6465	103	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-8.28	1.80	-6.48	-1	-5.48
	6505	111	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-7.35	1.10	-6.25	-1	-5.25
Band 7	6535	117	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-8.06	1.10	-6.96	-1	-5.96
	6695	149	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-7.84	0.60	-7.24	-1	-6.24
	6875	185	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-7.56	-1.00	-8.56	-1	-7.56
	6565	123	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.44	1.10	-6.34	-1	-5.34
	6725	155	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.32	0.70	-6.62	-1	-5.62
	6845	179	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.33	-1.00	-8.33	-1	-7.33
	6545	119	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-8.08	1.10	-6.98	-1	-5.98
	6705	151	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-6.98	0.60	-6.38	-1	-5.38
	6865	183	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-7.13	-1.00	-8.13	-1	-7.13
	6665	143	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-7.26	0.60	-6.66	-1	-5.66
Band 8	6825	175	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-6.16	-1.00	-7.16	-1	-6.16
	6895	189	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-5.78	-1.00	-6.78	-1	-5.78
	6995	209	ax (20MHz)	242	61	243.8/286.8 (MCS11)	-5.76	-2.00	-7.76	-1	-6.76
	6885	187	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-7.22	-1.00	-8.22	-1	-7.22
	7005	211	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-5.42	-2.00	-7.42	-1	-6.42
	7085	227	ax (40MHz)	484	65	487.5/573.5 (MCS11)	-5.23	-3.00	-8.23	-1	-7.23
	6945	199	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-4.81	-2.00	-6.81	-1	-5.81
	7025	215	ax (80MHz)	996	67	1020.8/1201 (MCS11)	-4.68	-3.30	-7.98	-1	-6.98
	6985	207	ax (160MHz)	996	68	2041.6/2402 (MCS11)	-5.34	-2.00	-7.34	-1	-6.34

Table 7-45. Power Spectral Density Measurements Antenna 4a (Fully loaded RU)

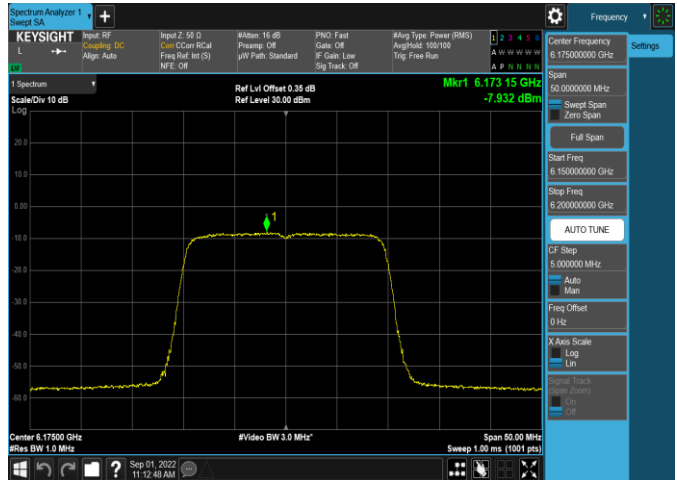
FCC ID: BCGA2764 IC: 579C-A2764	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 78 of 324

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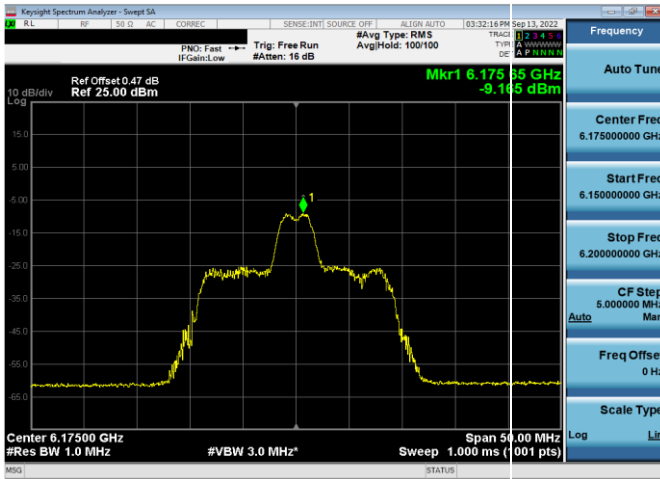
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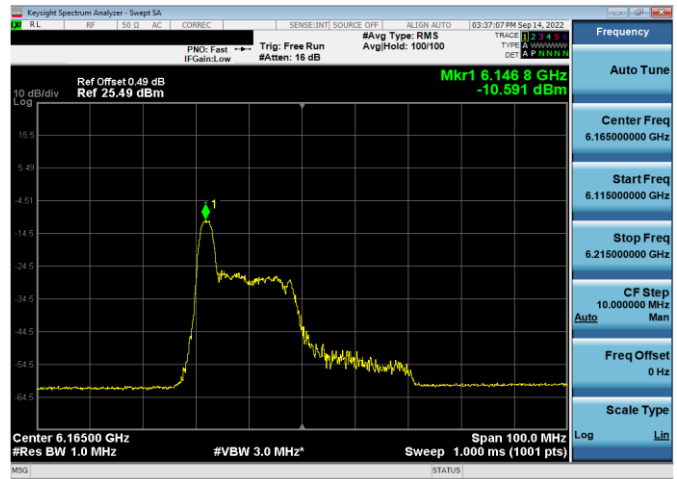
Plot 7-193. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax RU26 (UNII Band 5) – Ch. 45)



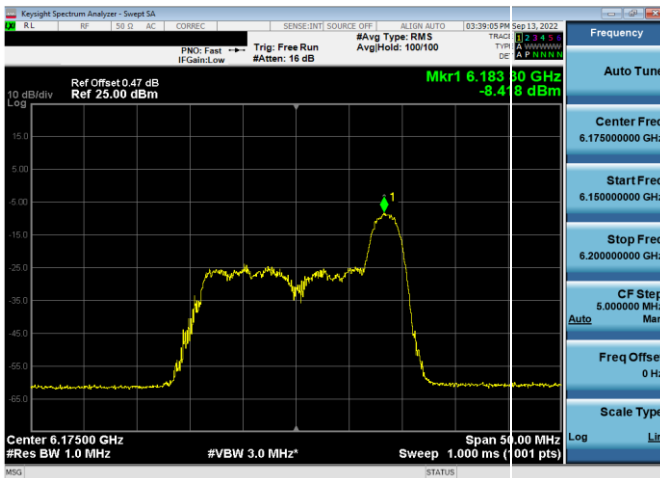
Plot 7-196. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax RU242 (UNII Band 5) – Ch. 45)



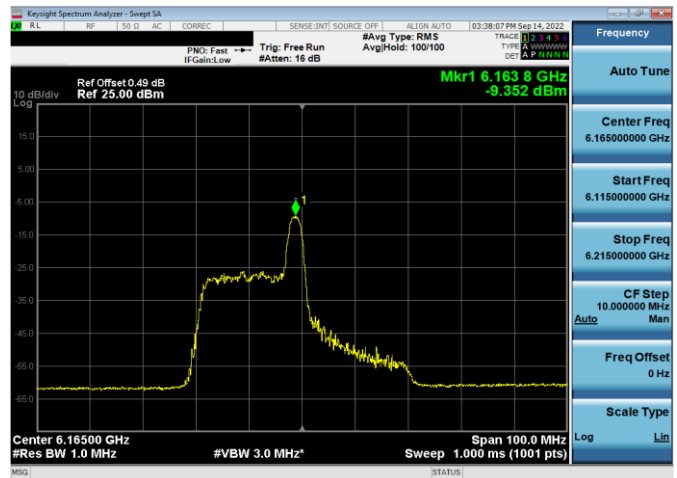
Plot 7-194. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax RU26 (UNII Band 5) – Ch. 45)



Plot 7-197. Power Spectral Density Plot Antenna 4a (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)

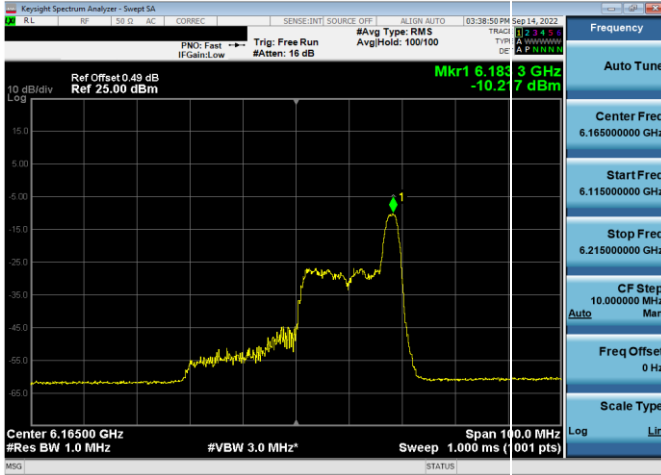


Plot 7-195. Power Spectral Density Plot Antenna 4a (20MHz 802.11ax RU26 (UNII Band 5) – Ch. 45)

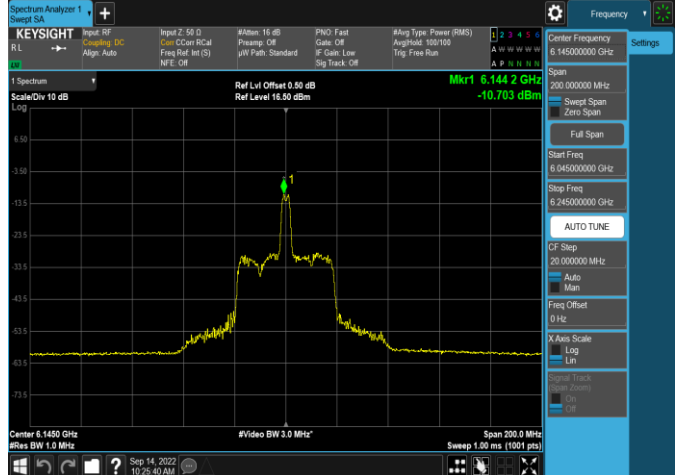


Plot 7-198. Power Spectral Density Plot Antenna 4a (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)

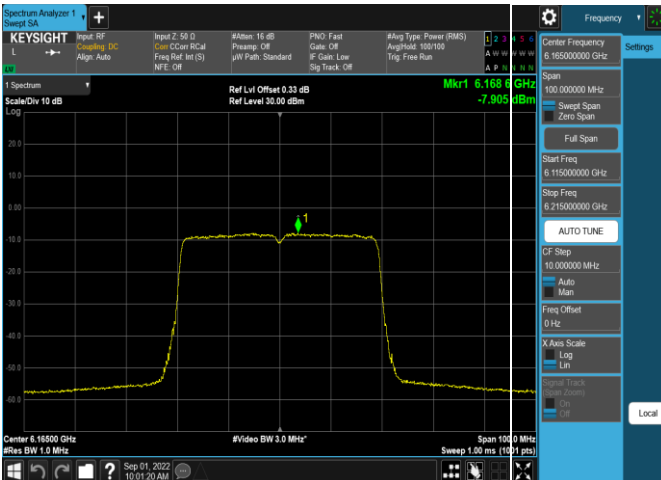
FCC ID: BCGA2764 IC: 579C-A2764	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG	Test Dates: 5/30/2022 - 9/16/2022	EUT Type: Tablet Device	Page 79 of 324



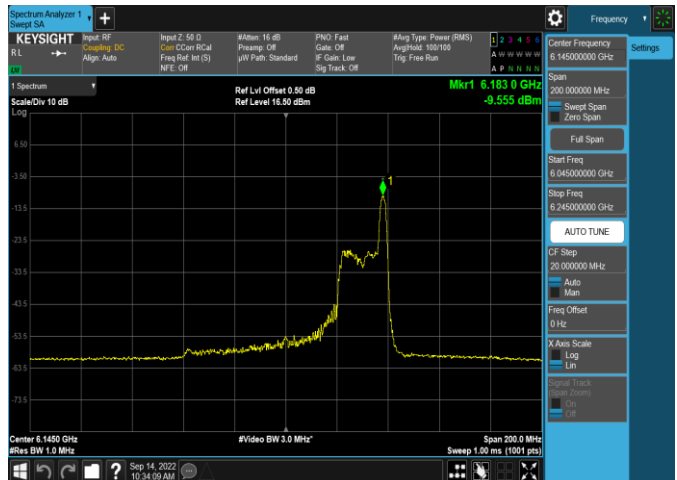
Plot 7-199. Power Spectral Density Plot Antenna 4a (40MHz 802.11ax RU26 (UNII Band 5) – Ch. 43)



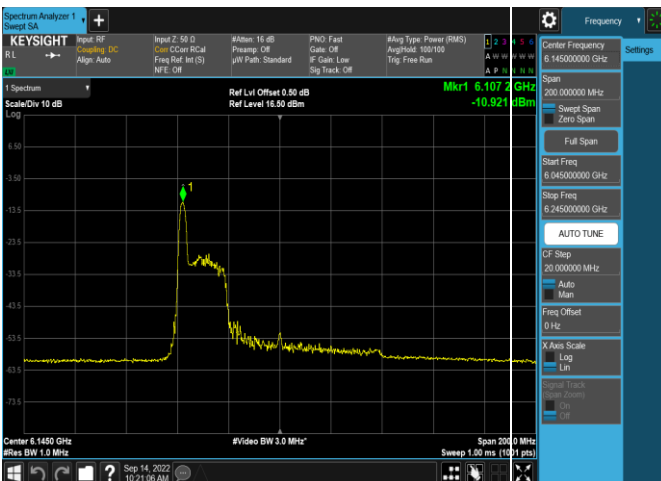
Plot 7-202. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)



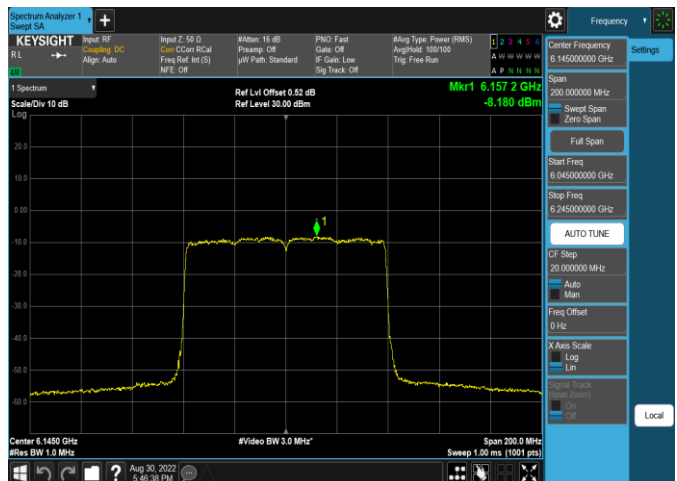
Plot 7-200. Power Spectral Density Plot Antenna 4a (40MHz 802.11ax RU484 (UNII Band 5) – Ch. 43)



Plot 7-203. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)



Plot 7-201. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax RU26 (UNII Band 5) – Ch. 39)



Plot 7-204. Power Spectral Density Plot Antenna 4a (80MHz 802.11ax RU996 (UNII Band 5) – Ch. 39)

FCC ID: BCGA2764 IC: 579C-A2764	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090028-22-R3.BCG		Page 80 of 324