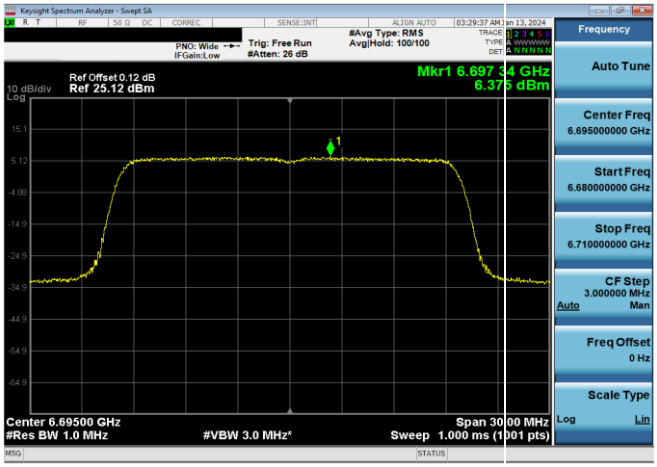
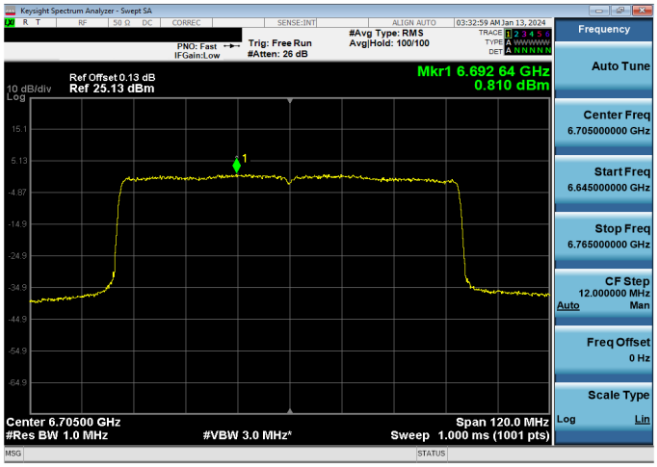
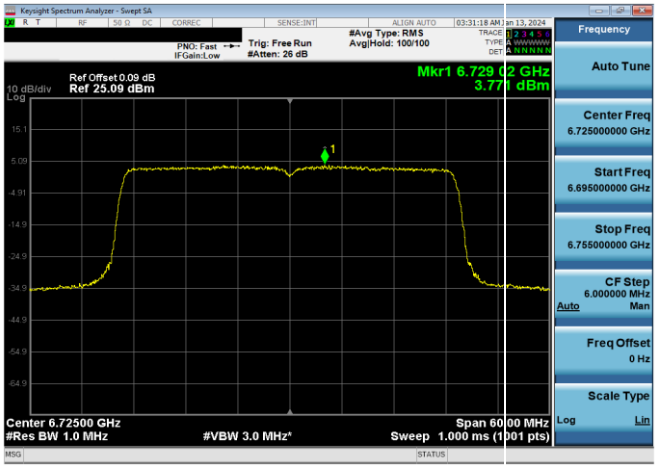


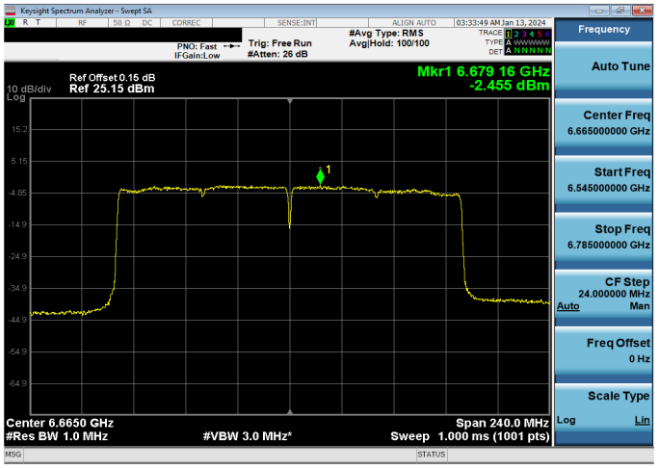
Plot 7-337. Power Spectral Density Plot Antenna 3b Standard Power (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS2)



Plot 7-339. Power Spectral Density Plot Antenna 3b Standard Power (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS2)



Plot 7-338. Power Spectral Density Plot Antenna 3b Standard Power (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS2)



Plot 7-340. Power Spectral Density Plot Antenna 3b Standard Power (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS2)

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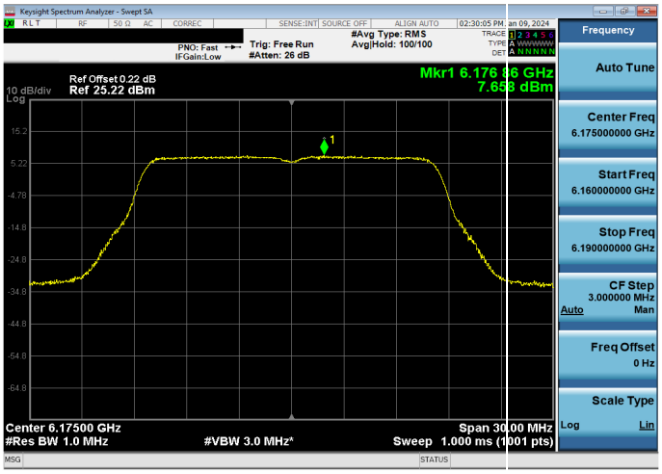
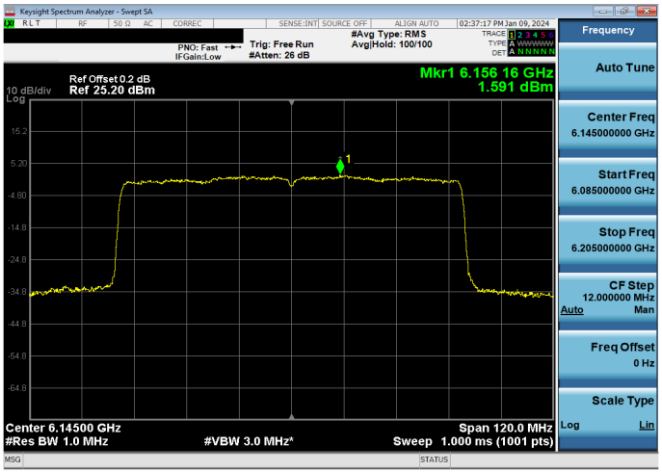
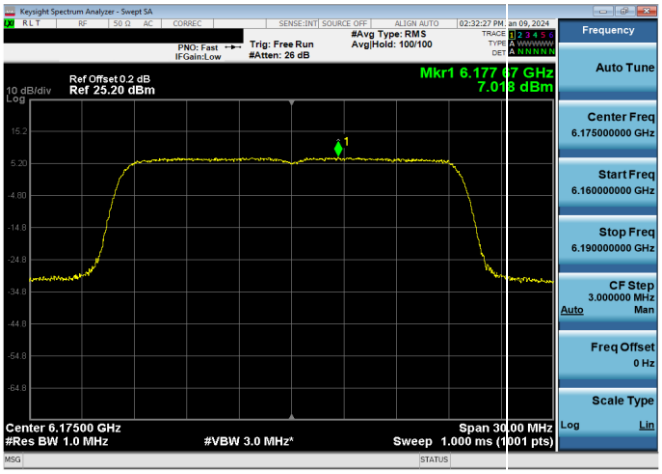
Mid Data Rate



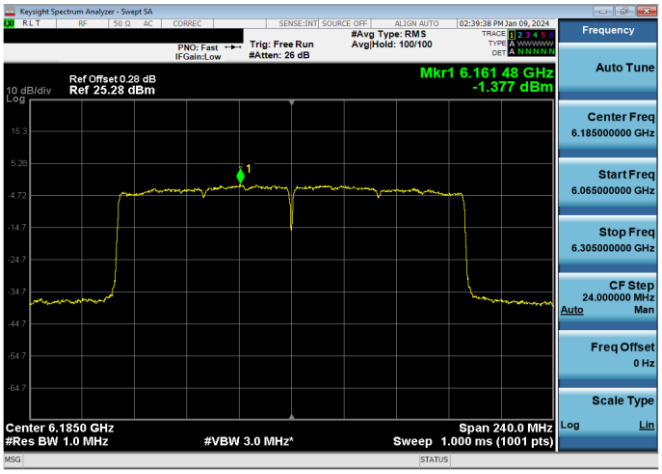
Plot 7-341. Power Spectral Density Plot Antenna 3b Standard Power (20MHz 802.11a (UNII Band 5) – Ch. 45, 24Mbps)



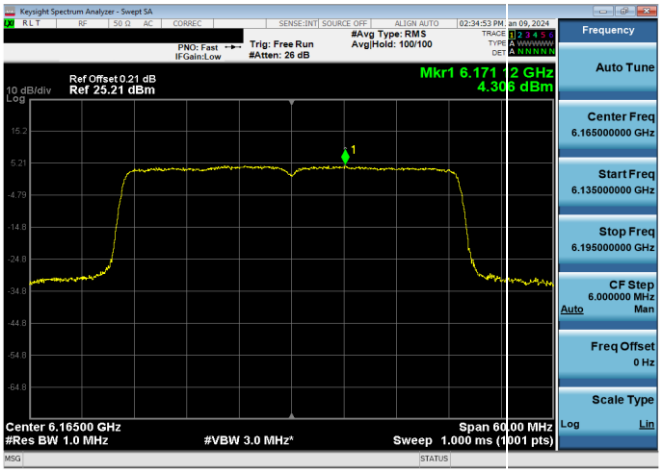
Plot 7-344. Power Spectral Density Plot Antenna 3b Standard Power (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS4)



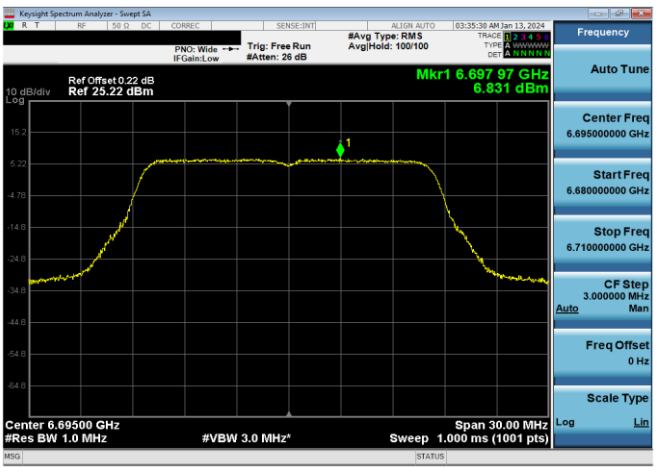
Plot 7-342. Power Spectral Density Plot Antenna 3b Standard Power (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS4)



Plot 7-345. Power Spectral Density Plot Antenna 3b Standard Power (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS4)



Plot 7-343. Power Spectral Density Plot Antenna 3b Standard Power (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS4)



Plot 7-346. Power Spectral Density Plot Antenna 3b Standard Power (20MHz 802.11a (UNII Band 7) – Ch. 149, 24Mbps)

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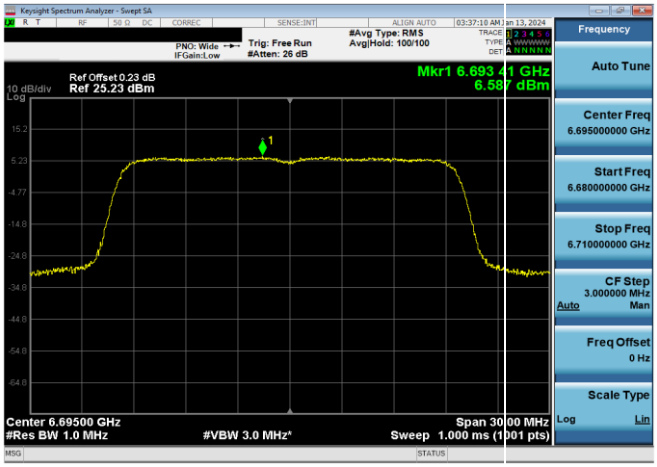
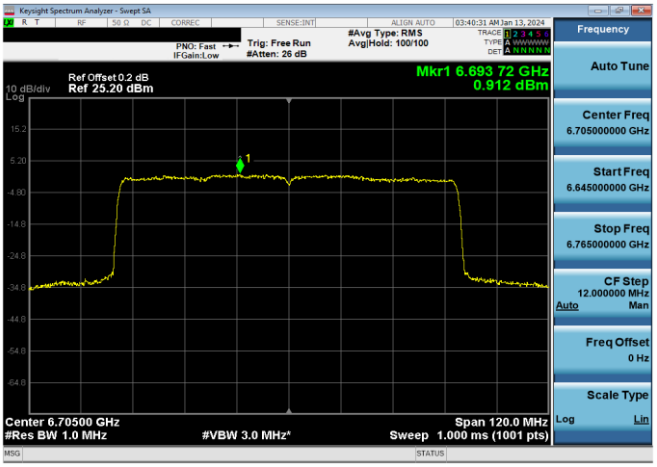
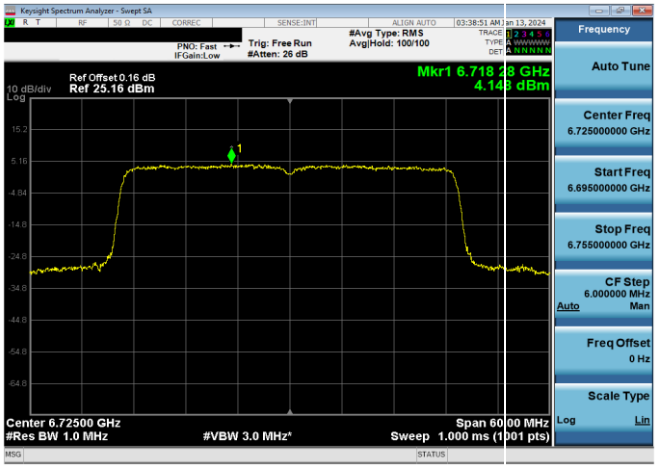


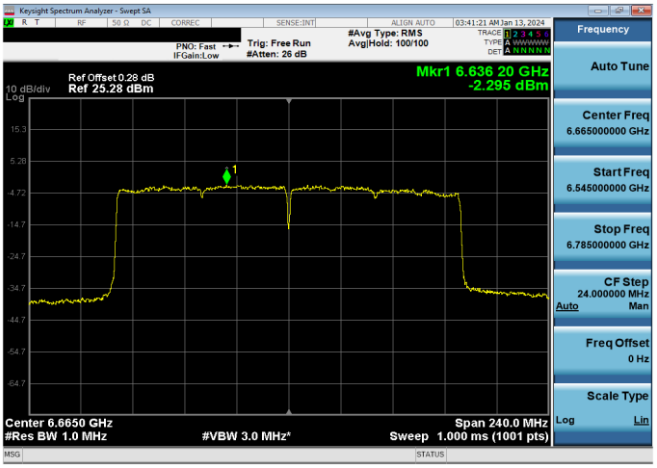
Plot 7-347. Power Spectral Density Plot Antenna 3b Standard Power (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS4)



Plot 7-349. Power Spectral Density Plot Antenna 3b Standard Power (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS4)



Plot 7-348. Power Spectral Density Plot Antenna 3b Standard Power (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS4)



Plot 7-350. Power Spectral Density Plot Antenna 3b Standard Power (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS4)

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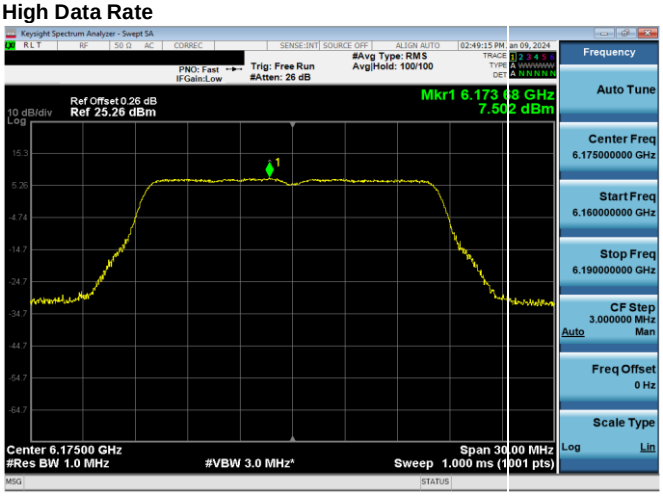
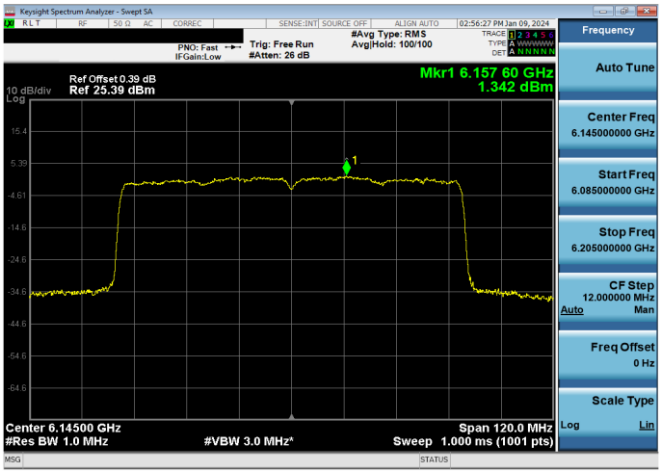
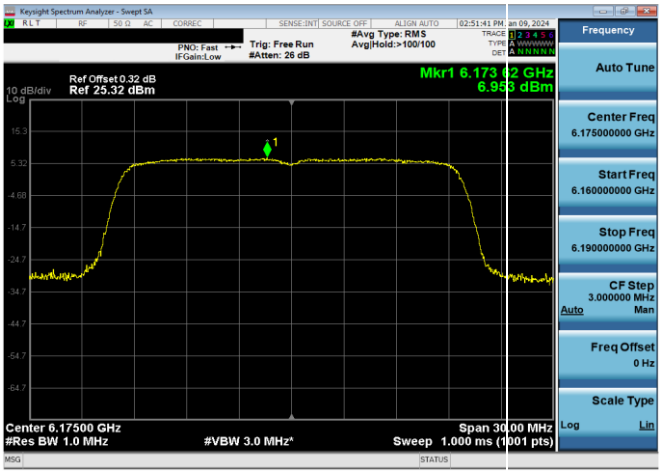
High Data Rate



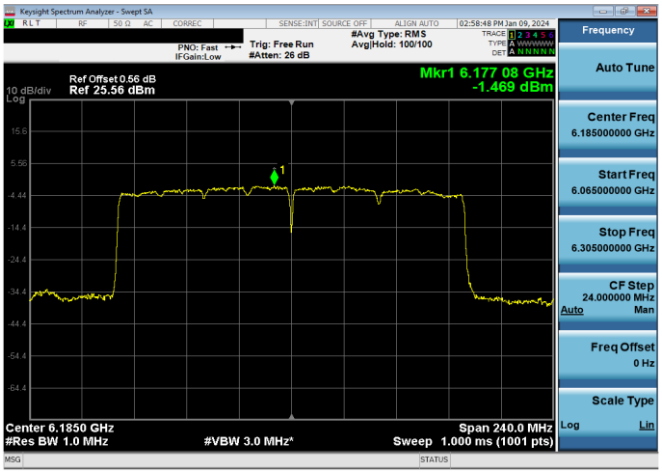
Plot 7-351. Power Spectral Density Plot Antenna 3b Standard Power (20MHz 802.11a (UNII Band 5) – Ch. 45, 54Mbps)



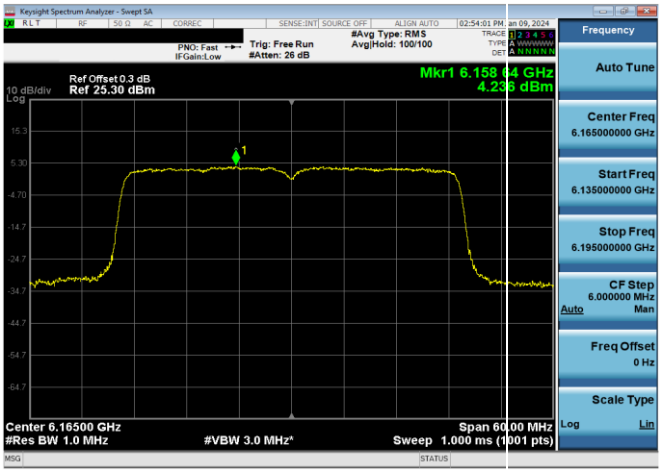
Plot 7-354. Power Spectral Density Plot Antenna 3b Standard Power (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS11)



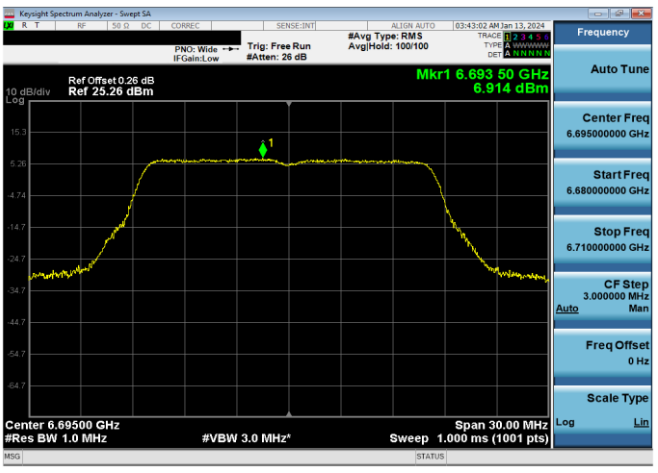
Plot 7-352. Power Spectral Density Plot Antenna 3b Standard Power (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS11)



Plot 7-355. Power Spectral Density Plot Antenna 3b Standard Power (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS11)



Plot 7-353. Power Spectral Density Plot Antenna 3b Standard Power (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS11)



Plot 7-356. Power Spectral Density Plot Antenna 3b Standard Power (20MHz 802.11a (UNII Band 7) – Ch. 149, 54Mbps)

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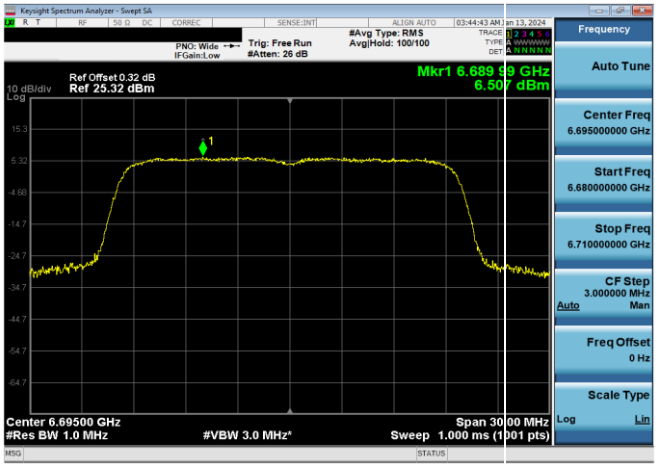
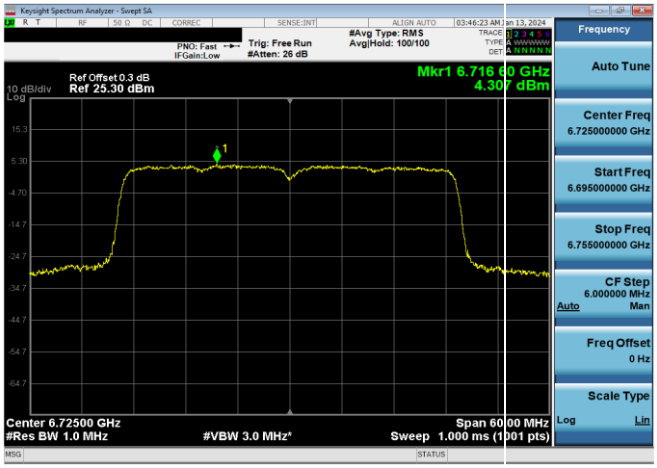
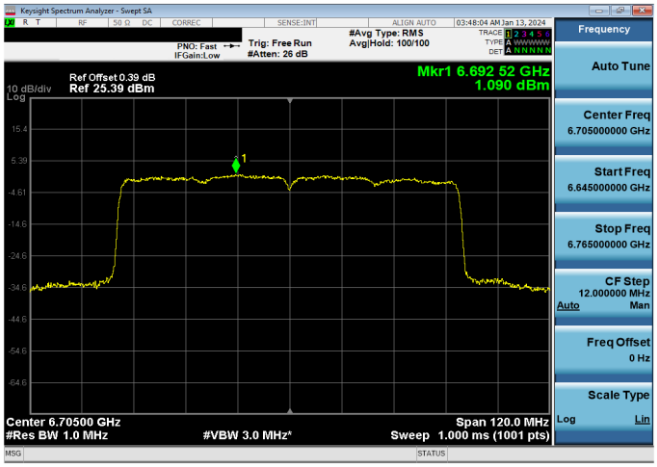


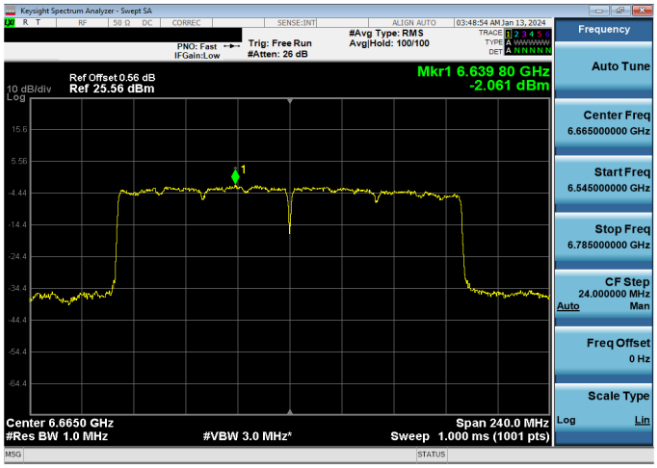
Plot 7-357. Power Spectral Density Plot Antenna 3b Standard Power (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS11)



Plot 7-358. Power Spectral Density Plot Antenna 3b Standard Power (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS11)



Plot 7-359. Power Spectral Density Plot Antenna 3b Standard Power (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS11)



Plot 7-360. Power Spectral Density Plot Antenna 3b Standard Power (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS11)

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7.4.3 Antenna 1b Power Spectral Density Measurements

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [MHz]	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	a	12	-6.58	0.10	-6.48	-1	-5.48
	6175	45	a	12	-4.68	0.10	-4.58	-1	-3.58
	6415	93	a	12	-6.62	0.10	-6.52	-1	-5.52
	5955	1	ax (20MHz)	24/25.8 (MCS2)	-6.93	0.10	-6.83	-1	-5.83
	6175	45	ax (20MHz)	24/25.8 (MCS2)	-5.07	0.10	-4.97	-1	-3.97
	6415	93	ax (20MHz)	24/25.8 (MCS2)	-7.02	0.10	-6.92	-1	-5.92
	5965	3	ax (40MHz)	24/25.8 (MCS2)	-6.89	0.10	-6.79	-1	-5.79
	6165	43	ax (40MHz)	24/25.8 (MCS2)	-6.29	0.10	-6.19	-1	-5.19
	6405	91	ax (40MHz)	24/25.8 (MCS2)	-7.08	0.10	-6.98	-1	-5.98
	5985	7	ax (80MHz)	24/25.8 (MCS2)	-5.96	0.10	-5.86	-1	-4.86
	6145	39	ax (80MHz)	24/25.8 (MCS2)	-6.49	0.10	-6.39	-1	-5.39
	6385	87	ax (80MHz)	24/25.8 (MCS2)	-6.35	0.10	-6.25	-1	-5.25
	6025	15	ax (160MHz)	24/25.8 (MCS2)	-6.69	0.10	-6.59	-1	-5.59
	6185	47	ax (160MHz)	24/25.8 (MCS2)	-6.36	0.10	-6.26	-1	-5.26
	6345	79	ax (160MHz)	24/25.8 (MCS2)	-6.51	0.10	-6.41	-1	-5.41
Band 6	6435	97	a	12	-7.23	0.10	-7.13	-1	-6.13
	6475	105	a	12	-7.02	0.10	-6.92	-1	-5.92
	6515	113	a	12	-6.68	0.10	-6.58	-1	-5.58
	6435	97	ax (20MHz)	24/25.8 (MCS2)	-7.33	0.10	-7.23	-1	-6.23
	6475	105	ax (20MHz)	24/25.8 (MCS2)	-7.23	0.10	-7.13	-1	-6.13
	6515	113	ax (20MHz)	24/25.8 (MCS2)	-6.86	0.10	-6.76	-1	-5.76
	6445	99	ax (40MHz)	24/25.8 (MCS2)	-7.04	0.10	-6.94	-1	-5.94
	6485	107	ax (40MHz)	24/25.8 (MCS2)	-7.35	0.10	-7.25	-1	-6.25
	6525	115	ax (40MHz)	24/25.8 (MCS2)	-7.60	0.10	-7.50	-1	-6.50
	6465	103	ax (80MHz)	24/25.8 (MCS2)	-6.81	0.10	-6.71	-1	-5.71
	6505	111	ax (160MHz)	24/25.8 (MCS2)	-8.52	0.10	-8.42	-1	-7.42
Band 7	6535	117	a	12	-7.74	-0.90	-8.64	-1	-7.64
	6695	149	a	12	-7.58	-0.90	-8.48	-1	-7.48
	6875	185	a	12	-8.35	-0.90	-9.25	-1	-8.25
	6535	117	ax (20MHz)	24/25.8 (MCS2)	-8.67	-0.90	-9.57	-1	-8.57
	6695	149	ax (20MHz)	24/25.8 (MCS2)	-8.16	-0.90	-9.06	-1	-8.06
	6875	185	ax (20MHz)	24/25.8 (MCS2)	-8.87	-0.90	-9.77	-1	-8.77
	6565	123	ax (40MHz)	24/25.8 (MCS2)	-7.65	-0.90	-8.55	-1	-7.55
	6725	155	ax (40MHz)	24/25.8 (MCS2)	-7.86	-0.90	-8.76	-1	-7.76
	6845	179	ax (40MHz)	24/25.8 (MCS2)	-7.62	-0.90	-8.52	-1	-7.52
	6545	119	ax (80MHz)	24/25.8 (MCS2)	-8.16	-0.90	-9.06	-1	-8.06
	6705	151	ax (80MHz)	24/25.8 (MCS2)	-7.96	-0.90	-8.86	-1	-7.86
	6865	183	ax (80MHz)	24/25.8 (MCS2)	-8.01	-0.90	-8.91	-1	-7.91
	6665	143	ax (160MHz)	24/25.8 (MCS2)	-8.48	-0.90	-9.38	-1	-8.38
	6825	175	ax (160MHz)	24/25.8 (MCS2)	-8.20	-0.90	-9.10	-1	-8.10
Band 8	6895	189	a	12	-7.96	-0.70	-8.66	-1	-7.66
	6995	209	a	12	-7.70	-0.70	-8.40	-1	-7.40
	7115	233	a	12	-8.41	-0.70	-9.11	-1	-8.11
	6895	189	ax (20MHz)	24/25.8 (MCS2)	-8.64	-0.70	-9.34	-1	-8.34
	6995	209	ax (20MHz)	24/25.8 (MCS2)	-8.26	-0.70	-8.96	-1	-7.96
	7115	233	ax (20MHz)	24/25.8 (MCS2)	-8.35	-0.70	-9.05	-1	-8.05
	6885	187	ax (40MHz)	24/25.8 (MCS2)	-7.81	-0.70	-8.51	-1	-7.51
	7005	211	ax (40MHz)	24/25.8 (MCS2)	-7.63	-0.70	-8.33	-1	-7.33
	7085	227	ax (40MHz)	24/25.8 (MCS2)	-7.50	-0.70	-8.20	-1	-7.20
	6945	199	ax (80MHz)	24/25.8 (MCS2)	-7.71	-0.70	-8.41	-1	-7.41
	7025	215	ax (80MHz)	24/25.8 (MCS2)	-7.77	-0.70	-8.47	-1	-7.47
	6985	207	ax (160MHz)	24/25.8 (MCS2)	-7.84	-0.70	-8.54	-1	-7.54

Table 7-143. Power Spectral Density Measurements Antenna 1b LPI (Low Data Rate)

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	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [MHz]	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	a	24	-6.52	0.10	-6.42	-1	-5.42
	6175	45	a	24	-4.62	0.10	-4.52	-1	-3.52
	6415	93	a	24	-6.43	0.10	-6.33	-1	-5.33
	5955	1	ax (20MHz)	49/51.6 (MCS4)	-6.75	0.10	-6.65	-1	-5.65
	6175	45	ax (20MHz)	49/51.6 (MCS4)	-5.14	0.10	-5.04	-1	-4.04
	6415	93	ax (20MHz)	49/51.6 (MCS4)	-6.66	0.10	-6.56	-1	-5.56
	5965	3	ax (40MHz)	49/51.6 (MCS4)	-6.48	0.10	-6.38	-1	-5.38
	6165	43	ax (40MHz)	49/51.6 (MCS4)	-6.11	0.10	-6.01	-1	-5.01
	6405	91	ax (40MHz)	49/51.6 (MCS4)	-6.64	0.10	-6.54	-1	-5.54
	5985	7	ax (80MHz)	49/51.6 (MCS4)	-6.13	0.10	-6.03	-1	-5.03
	6145	39	ax (80MHz)	49/51.6 (MCS4)	-5.93	0.10	-5.83	-1	-4.83
	6385	87	ax (80MHz)	49/51.6 (MCS4)	-6.43	0.10	-6.33	-1	-5.33
	6025	15	ax (160MHz)	49/51.6 (MCS4)	-6.90	0.10	-6.80	-1	-5.80
	6185	47	ax (160MHz)	49/51.6 (MCS4)	-6.26	0.10	-6.16	-1	-5.16
	6345	79	ax (160MHz)	49/51.6 (MCS4)	-6.97	0.10	-6.87	-1	-5.87
Band 6	6435	97	a	24	-6.91	0.10	-6.81	-1	-5.81
	6475	105	a	24	-6.59	0.10	-6.49	-1	-5.49
	6515	113	a	24	-6.83	0.10	-6.73	-1	-5.73
	6435	97	ax (20MHz)	49/51.6 (MCS4)	-6.97	0.10	-6.87	-1	-5.87
	6475	105	ax (20MHz)	49/51.6 (MCS4)	-7.42	0.10	-7.32	-1	-6.32
	6515	113	ax (20MHz)	49/51.6 (MCS4)	-7.25	0.10	-7.15	-1	-6.15
	6445	99	ax (40MHz)	49/51.6 (MCS4)	-6.85	0.10	-6.75	-1	-5.75
	6485	107	ax (40MHz)	49/51.6 (MCS4)	-6.68	0.10	-6.58	-1	-5.58
	6525	115	ax (40MHz)	49/51.6 (MCS4)	-7.69	0.10	-7.59	-1	-6.59
	6465	103	ax (80MHz)	49/51.6 (MCS4)	-6.90	0.10	-6.80	-1	-5.80
	6505	111	ax (160MHz)	49/51.6 (MCS4)	-8.12	0.10	-8.02	-1	-7.02
Band 7	6535	117	a	24	-7.91	-0.90	-8.81	-1	-7.81
	6695	149	a	24	-7.68	-0.90	-8.58	-1	-7.58
	6875	185	a	24	-8.33	-0.90	-9.23	-1	-8.23
	6535	117	ax (20MHz)	49/51.6 (MCS4)	-8.39	-0.90	-9.29	-1	-8.29
	6695	149	ax (20MHz)	49/51.6 (MCS4)	-8.35	-0.90	-9.25	-1	-8.25
	6875	185	ax (20MHz)	49/51.6 (MCS4)	-8.70	-0.90	-9.60	-1	-8.60
	6565	123	ax (40MHz)	49/51.6 (MCS4)	-7.88	-0.90	-8.78	-1	-7.78
	6725	155	ax (40MHz)	49/51.6 (MCS4)	-7.65	-0.90	-8.55	-1	-7.55
	6845	179	ax (40MHz)	49/51.6 (MCS4)	-7.92	-0.90	-8.82	-1	-7.82
	6545	119	ax (80MHz)	49/51.6 (MCS4)	-8.10	-0.90	-9.00	-1	-8.00
	6705	151	ax (80MHz)	49/51.6 (MCS4)	-7.79	-0.90	-8.69	-1	-7.69
	6865	183	ax (80MHz)	49/51.6 (MCS4)	-8.27	-0.90	-9.17	-1	-8.17
	6665	143	ax (160MHz)	49/51.6 (MCS4)	-8.41	-0.90	-9.31	-1	-8.31
	6825	175	ax (160MHz)	49/51.6 (MCS4)	-8.21	-0.90	-9.11	-1	-8.11
Band 8	6895	189	a	24	-7.86	-0.70	-8.56	-1	-7.56
	6995	209	a	24	-7.37	-0.70	-8.07	-1	-7.07
	7115	233	a	24	-7.98	-0.70	-8.68	-1	-7.68
	6895	189	ax (20MHz)	49/51.6 (MCS4)	-7.97	-0.70	-8.67	-1	-7.67
	6995	209	ax (20MHz)	49/51.6 (MCS4)	-8.26	-0.70	-8.96	-1	-7.96
	7115	233	ax (20MHz)	49/51.6 (MCS4)	-8.72	-0.70	-9.42	-1	-8.42
	6885	187	ax (40MHz)	49/51.6 (MCS4)	-7.62	-0.70	-8.32	-1	-7.32
	7005	211	ax (40MHz)	49/51.6 (MCS4)	-7.34	-0.70	-8.04	-1	-7.04
	7085	227	ax (40MHz)	49/51.6 (MCS4)	-7.65	-0.70	-8.35	-1	-7.35
	6945	199	ax (80MHz)	49/51.6 (MCS4)	-8.04	-0.70	-8.74	-1	-7.74
	7025	215	ax (80MHz)	49/51.6 (MCS4)	-7.49	-0.70	-8.19	-1	-7.19
	6985	207	ax (160MHz)	49/51.6 (MCS4)	-7.82	-0.70	-8.52	-1	-7.52

Table 7-144. Power Spectral Density Measurements Antenna 1b LPI (Mid Data Rate)

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	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [MHz]	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	a	54	-6.37	0.10	-6.27	-1	-5.27
	6175	45	a	54	-4.70	0.10	-4.60	-1	-3.60
	6415	93	a	54	-6.34	0.10	-6.24	-1	-5.24
	5955	1	ax (20MHz)	135/143.4 (MCS11)	-6.75	0.10	-6.65	-1	-5.65
	6175	45	ax (20MHz)	135/143.4 (MCS11)	-5.10	0.10	-5.00	-1	-4.00
	6415	93	ax (20MHz)	135/143.4 (MCS11)	-6.66	0.10	-6.56	-1	-5.56
	5965	3	ax (40MHz)	135/143.4 (MCS11)	-6.82	0.10	-6.72	-1	-5.72
	6165	43	ax (40MHz)	135/143.4 (MCS11)	-6.22	0.10	-6.12	-1	-5.12
	6405	91	ax (40MHz)	135/143.4 (MCS11)	-6.35	0.10	-6.25	-1	-5.25
	5985	7	ax (80MHz)	135/143.4 (MCS11)	-5.84	0.10	-5.74	-1	-4.74
	6145	39	ax (80MHz)	135/143.4 (MCS11)	-6.24	0.10	-6.14	-1	-5.14
	6385	87	ax (80MHz)	135/143.4 (MCS11)	-6.39	0.10	-6.29	-1	-5.29
	6025	15	ax (160MHz)	135/143.4 (MCS11)	-6.53	0.10	-6.43	-1	-5.43
	6185	47	ax (160MHz)	135/143.4 (MCS11)	-6.06	0.10	-5.96	-1	-4.96
	6345	79	ax (160MHz)	135/143.4 (MCS11)	-6.58	0.10	-6.48	-1	-5.48
Band 6	6435	97	a	54	-6.26	0.10	-6.16	-1	-5.16
	6475	105	a	54	-6.82	0.10	-6.72	-1	-5.72
	6515	113	a	54	-6.42	0.10	-6.32	-1	-5.32
	6435	97	ax (20MHz)	135/143.4 (MCS11)	-7.25	0.10	-7.15	-1	-6.15
	6475	105	ax (20MHz)	135/143.4 (MCS11)	-6.79	0.10	-6.69	-1	-5.69
	6515	113	ax (20MHz)	135/143.4 (MCS11)	-6.66	0.10	-6.56	-1	-5.56
	6445	99	ax (40MHz)	135/143.4 (MCS11)	-6.85	0.10	-6.75	-1	-5.75
	6485	107	ax (40MHz)	135/143.4 (MCS11)	-6.69	0.10	-6.59	-1	-5.59
	6525	115	ax (40MHz)	135/143.4 (MCS11)	-7.44	0.10	-7.34	-1	-6.34
	6465	103	ax (80MHz)	135/143.4 (MCS11)	-6.65	0.10	-6.55	-1	-5.55
	6505	111	ax (160MHz)	135/143.4 (MCS11)	-8.04	0.10	-7.94	-1	-6.94
Band 7	6535	117	a	54	-7.66	-0.90	-8.56	-1	-7.56
	6695	149	a	54	-7.76	-0.90	-8.66	-1	-7.66
	6875	185	a	54	-8.26	-0.90	-9.16	-1	-8.16
	6535	117	ax (20MHz)	135/143.4 (MCS11)	-7.99	-0.90	-8.89	-1	-7.89
	6695	149	ax (20MHz)	135/143.4 (MCS11)	-8.14	-0.90	-9.04	-1	-8.04
	6875	185	ax (20MHz)	135/143.4 (MCS11)	-8.49	-0.90	-9.39	-1	-8.39
	6565	123	ax (40MHz)	135/143.4 (MCS11)	-7.31	-0.90	-8.21	-1	-7.21
	6725	155	ax (40MHz)	135/143.4 (MCS11)	-7.64	-0.90	-8.54	-1	-7.54
	6845	179	ax (40MHz)	135/143.4 (MCS11)	-7.28	-0.90	-8.18	-1	-7.18
	6545	119	ax (80MHz)	135/143.4 (MCS11)	-7.89	-0.90	-8.79	-1	-7.79
	6705	151	ax (80MHz)	135/143.4 (MCS11)	-7.72	-0.90	-8.62	-1	-7.62
	6865	183	ax (80MHz)	135/143.4 (MCS11)	-8.08	-0.90	-8.98	-1	-7.98
	6665	143	ax (160MHz)	135/143.4 (MCS11)	-7.83	-0.90	-8.73	-1	-7.73
	6825	175	ax (160MHz)	135/143.4 (MCS11)	-8.15	-0.90	-9.05	-1	-8.05
Band 8	6895	189	a	54	-7.97	-0.70	-8.67	-1	-7.67
	6995	209	a	54	-7.36	-0.70	-8.06	-1	-7.06
	7115	233	a	54	-7.66	-0.70	-8.36	-1	-7.36
	6895	189	ax (20MHz)	135/143.4 (MCS11)	-8.25	-0.70	-8.95	-1	-7.95
	6995	209	ax (20MHz)	135/143.4 (MCS11)	-7.59	-0.70	-8.29	-1	-7.29
	7115	233	ax (20MHz)	135/143.4 (MCS11)	-8.36	-0.70	-9.06	-1	-8.06
	6885	187	ax (40MHz)	135/143.4 (MCS11)	-7.44	-0.70	-8.14	-1	-7.14
	7005	211	ax (40MHz)	135/143.4 (MCS11)	-7.12	-0.70	-7.82	-1	-6.82
	7085	227	ax (40MHz)	135/143.4 (MCS11)	-7.08	-0.70	-7.78	-1	-6.78
	6945	199	ax (80MHz)	135/143.4 (MCS11)	-7.63	-0.70	-8.33	-1	-7.33
	7025	215	ax (80MHz)	135/143.4 (MCS11)	-7.57	-0.70	-8.27	-1	-7.27
	6985	207	ax (160MHz)	135/143.4 (MCS11)	-7.53	-0.70	-8.23	-1	-7.23

Table 7-145. Power Spectral Density Measurements Antenna 1b LPI (High Data Rate)

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	Frequency [MHz]	Channel No.	802.11 Mode	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)	24/25.8 (MCS2)	2.94	0.10	3.04	17	-13.96
	6175	45	ax (20MHz)	24/25.8 (MCS2)	3.16	0.10	3.26	17	-13.74
	6415	93	ax (20MHz)	24/25.8 (MCS2)	3.42	0.10	3.52	17	-13.48
	5965	3	ax (40MHz)	49/51.6 (MCS2)	0.11	0.10	0.21	17	-16.79
	6165	43	ax (40MHz)	49/51.6 (MCS2)	0.36	0.10	0.46	17	-16.54
	6405	91	ax (40MHz)	49/51.6 (MCS2)	0.52	0.10	0.62	17	-16.38
	5985	7	ax (80MHz)	102/108.1 (MCS2)	-2.92	0.10	-2.82	17	-19.82
	6145	39	ax (80MHz)	102/108.1 (MCS2)	-2.47	0.10	-2.37	17	-19.37
	6385	87	ax (80MHz)	102/108.1 (MCS2)	-2.11	0.10	-2.01	17	-19.01
	6025	15	ax (160MHz)	183.8/216.2 (MCS2)	-5.57	0.10	-5.47	17	-22.47
	6185	47	ax (160MHz)	183.8/216.2 (MCS2)	-5.60	0.10	-5.50	17	-22.50
	6345	79	ax (160MHz)	183.8/216.2 (MCS2)	-5.62	0.10	-5.52	17	-22.52
Band 7	6535	117	ax (20MHz)	24/25.8 (MCS2)	2.28	-0.90	1.38	17	-15.62
	6695	149	ax (20MHz)	24/25.8 (MCS2)	2.52	-0.90	1.62	17	-15.38
	6875	181	ax (20MHz)	24/25.8 (MCS2)	1.76	-0.90	0.86	17	-16.15
	6565	123	ax (40MHz)	49/51.6 (MCS2)	-0.63	-0.90	-1.53	17	-18.53
	6725	155	ax (40MHz)	49/51.6 (MCS2)	-0.31	-0.90	-1.21	17	-18.21
	6845	179	ax (40MHz)	49/51.6 (MCS2)	-1.12	-0.90	-2.02	17	-19.02
	6545	135	ax (80MHz)	102/108.1 (MCS2)	-3.29	-0.90	-4.19	17	-21.19
	6705	151	ax (80MHz)	102/108.1 (MCS2)	-3.49	-0.90	-4.39	17	-21.39
	6865	167	ax (80MHz)	102/108.1 (MCS2)	-3.71	-0.90	-4.61	17	-21.61
	6665	143	ax (160MHz)	183.8/216.2 (MCS2)	-6.67	-0.90	-7.57	17	-24.57

Table 7-146. Power Spectral Density Measurements Antenna 1b Standard Power (Low Data Rate)

	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [MHz]	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)	49/51.6 (MCS4)	3.10	0.10	3.20	17	-13.80
	6175	45	ax (20MHz)	49/51.6 (MCS4)	3.34	0.10	3.44	17	-13.56
	6415	93	ax (20MHz)	49/51.6 (MCS4)	3.31	0.10	3.41	17	-13.59
	5965	3	ax (40MHz)	98/103.2 (MCS4)	0.11	0.10	0.21	17	-16.79
	6165	43	ax (40MHz)	98/103.2 (MCS4)	0.51	0.10	0.61	17	-16.39
	6405	91	ax (40MHz)	98/103.2 (MCS4)	0.68	0.10	0.78	17	-16.22
	5985	7	ax (80MHz)	204/216.2 (MCS4)	-2.69	0.10	-2.59	17	-19.59
	6145	39	ax (80MHz)	204/216.2 (MCS4)	-2.38	0.10	-2.28	17	-19.28
	6385	87	ax (80MHz)	204/216.2 (MCS4)	-2.13	0.10	-2.03	17	-19.03
	6025	15	ax (160MHz)	367.5/432.4 (MCS4)	-5.56	0.10	-5.46	17	-22.46
	6185	47	ax (160MHz)	367.5/432.4 (MCS4)	-5.39	0.10	-5.29	17	-22.29
	6345	79	ax (160MHz)	367.5/432.4 (MCS4)	-5.43	0.10	-5.33	17	-22.33
Band 7	6535	117	ax (20MHz)	49/51.6 (MCS4)	2.32	-0.90	1.42	17	-15.58
	6695	149	ax (20MHz)	49/51.6 (MCS4)	2.61	-0.90	1.71	17	-15.29
	6875	181	ax (20MHz)	49/51.6 (MCS4)	1.80	-0.90	0.90	17	-16.10
	6565	123	ax (40MHz)	98/103.2 (MCS4)	-0.46	-0.90	-1.36	17	-18.36
	6725	155	ax (40MHz)	98/103.2 (MCS4)	-0.10	-0.90	-1.00	17	-18.00
	6845	179	ax (40MHz)	98/103.2 (MCS4)	-0.80	-0.90	-1.70	17	-18.70
	6545	135	ax (80MHz)	204/216.2 (MCS4)	-3.22	-0.90	-4.12	17	-21.12
	6705	151	ax (80MHz)	204/216.2 (MCS4)	-3.39	-0.90	-4.29	17	-21.29
	6865	167	ax (80MHz)	204/216.2 (MCS4)	-3.55	-0.90	-4.45	17	-21.45
	6665	143	ax (160MHz)	367.5/432.4 (MCS4)	-6.42	-0.90	-7.32	17	-24.32

Table 7-147. Power Spectral Density Measurements Antenna 1b Standard Power (Mid Data Rate)

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	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [MHz]	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)	135/143.4 (MCS11)	2.90	0.10	3.00	17	-14.00
	6175	45	ax (20MHz)	135/143.4 (MCS11)	3.41	0.10	3.51	17	-13.49
	6415	93	ax (20MHz)	135/143.4 (MCS11)	3.37	0.10	3.47	17	-13.53
	5965	3	ax (40MHz)	271/286.8 (MCS11)	0.26	0.10	0.36	17	-16.64
	6165	43	ax (40MHz)	271/286.8 (MCS11)	0.50	0.10	0.60	17	-16.40
	6405	91	ax (40MHz)	271/286.8 (MCS11)	0.59	0.10	0.69	17	-16.31
	5985	7	ax (80MHz)	567/600.5 (MCS11)	-2.56	0.10	-2.46	17	-19.46
	6145	39	ax (80MHz)	567/600.5 (MCS11)	-2.43	0.10	-2.33	17	-19.33
	6385	87	ax (80MHz)	567/600.5 (MCS11)	-1.90	0.10	-1.80	17	-18.80
	6025	15	ax (160MHz)	1020.8/1201 (MCS11)	-5.39	0.10	-5.29	17	-22.29
	6185	47	ax (160MHz)	1020.8/1201 (MCS11)	-5.02	0.10	-4.92	17	-21.92
	6345	79	ax (160MHz)	1020.8/1201 (MCS11)	-5.31	0.10	-5.21	17	-22.21
Band 7	6535	117	ax (20MHz)	135/143.4 (MCS11)	2.20	-0.90	1.30	17	-15.70
	6695	149	ax (20MHz)	135/143.4 (MCS11)	2.67	-0.90	1.77	17	-15.23
	6875	181	ax (20MHz)	135/143.4 (MCS11)	1.70	-0.90	0.80	17	-16.20
	6565	123	ax (40MHz)	271/286.8 (MCS11)	-0.41	-0.90	-1.31	17	-18.31
	6725	155	ax (40MHz)	271/286.8 (MCS11)	-0.10	-0.90	-1.00	17	-18.00
	6845	179	ax (40MHz)	271/286.8 (MCS11)	-0.85	-0.90	-1.75	17	-18.75
	6545	135	ax (80MHz)	567/600.5 (MCS11)	-3.24	-0.90	-4.14	17	-21.14
	6705	151	ax (80MHz)	567/600.5 (MCS11)	-3.39	-0.90	-4.29	17	-21.29
	6865	167	ax (80MHz)	567/600.5 (MCS11)	-3.64	-0.90	-4.54	17	-21.54
	6665	143	ax (160MHz)	1020.8/1201 (MCS11)	-6.46	-0.90	-7.36	17	-24.36

Table 7-148. Power Spectral Density Measurements Antenna 1b Standard Power (High Data Rate)

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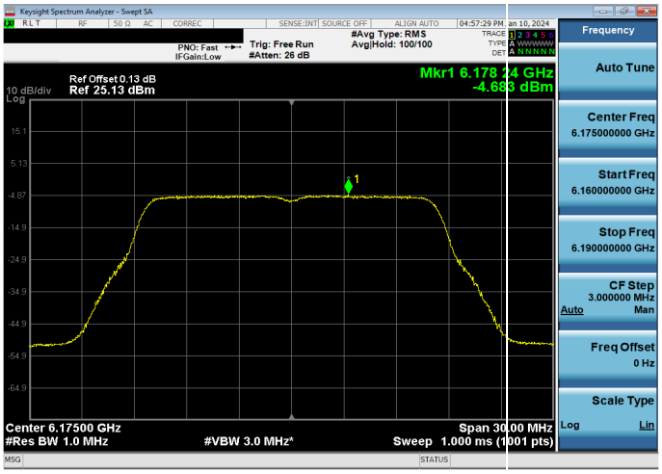
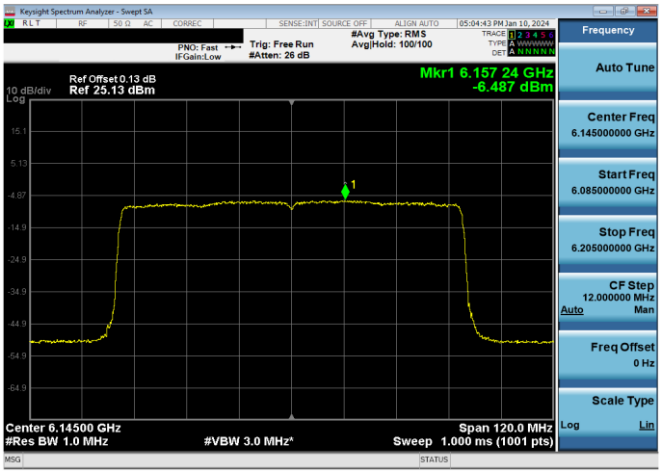
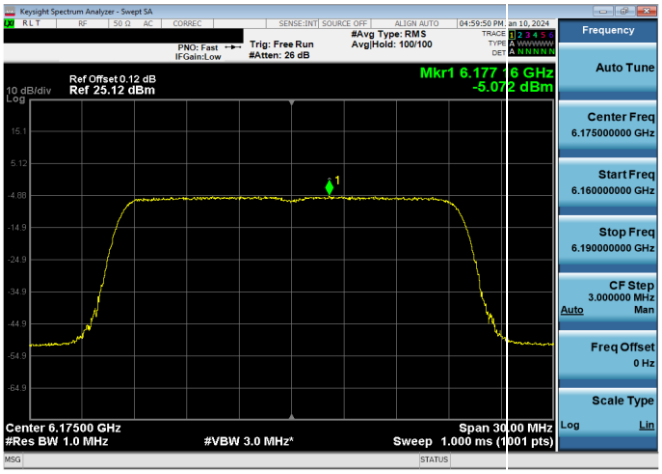
Low Data Rate



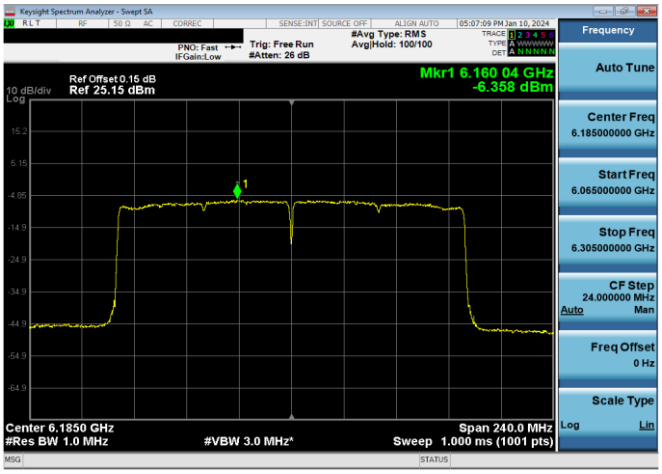
Plot 7-361. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11a (UNII Band 5) – Ch. 45, 12Mbps)



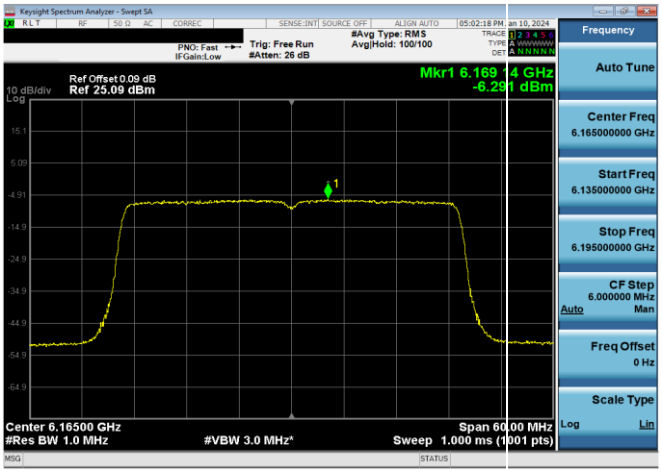
Plot 7-364. Power Spectral Density Plot Antenna 1b LPI (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS2)



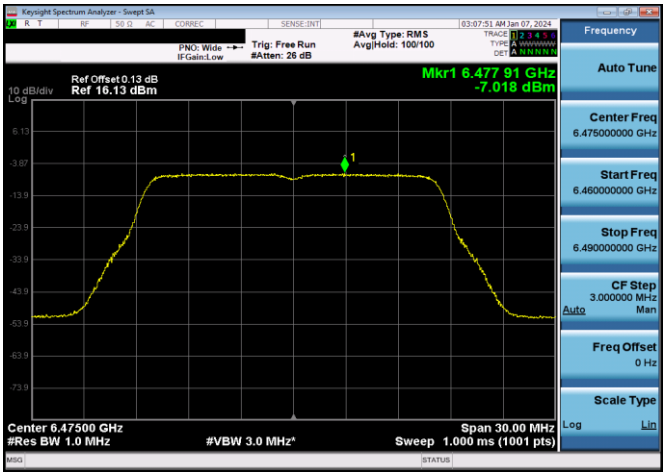
Plot 7-362. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS2)



Plot 7-365. Power Spectral Density Plot Antenna 1b LPI (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS2)



Plot 7-363. Power Spectral Density Plot Antenna 1b LPI (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS2)



Plot 7-366. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11a (UNII Band 6) – Ch. 105, 12Mbps)

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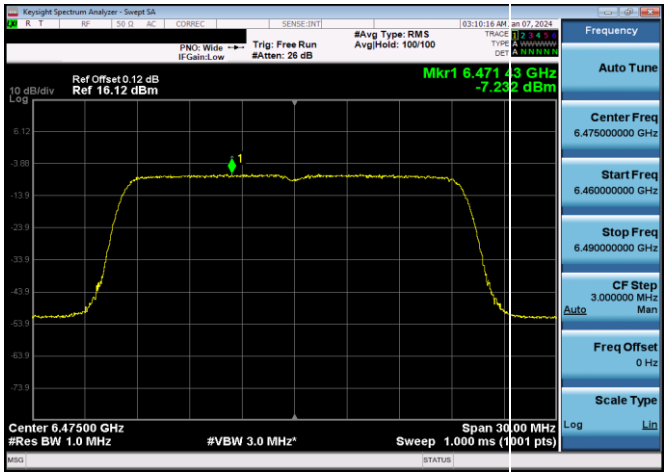
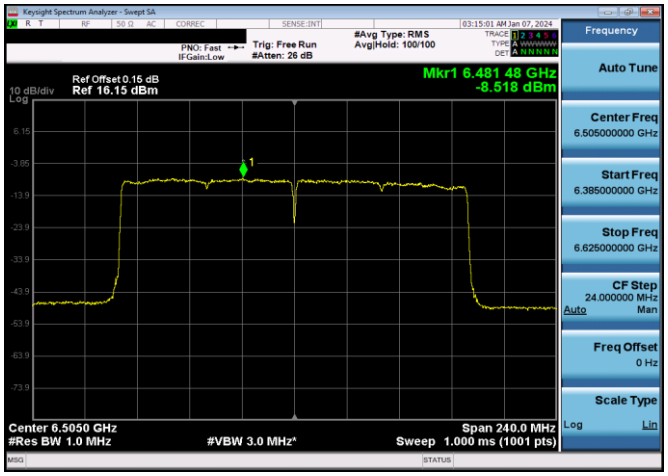
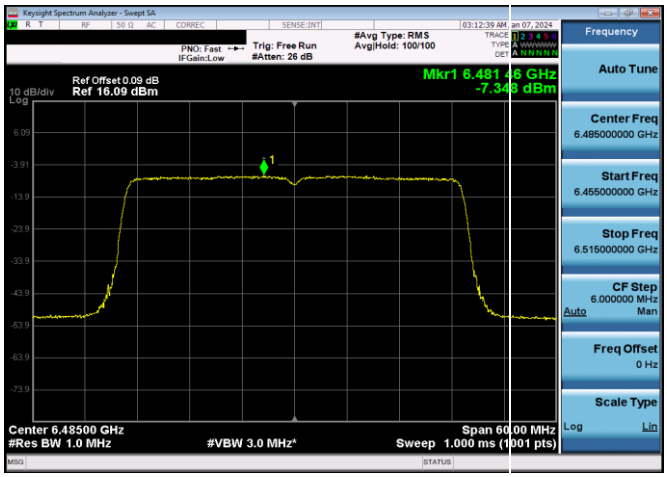


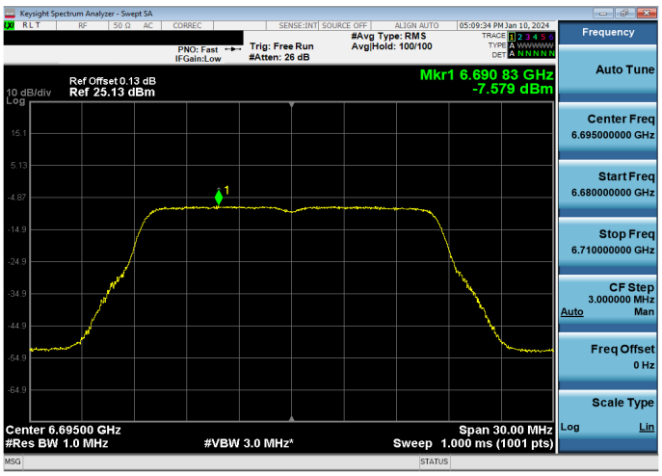
Plot 7-367. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS2)



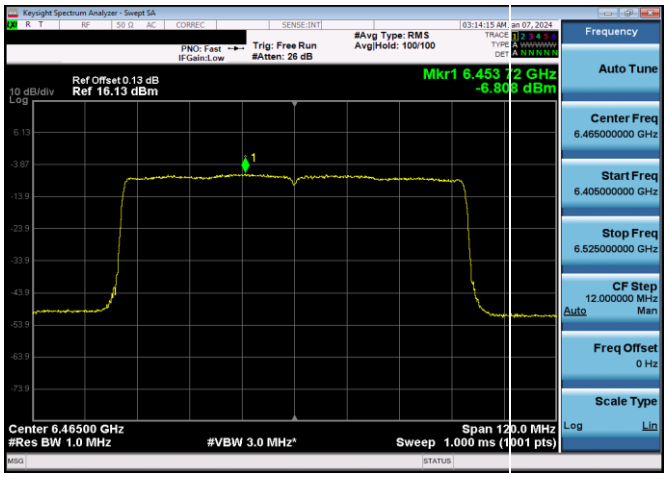
Plot 7-370. Power Spectral Density Plot Antenna 1b LPI (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS2)



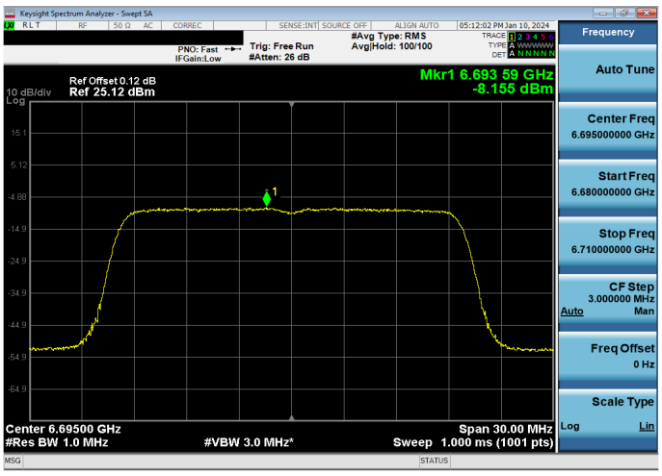
Plot 7-368. Power Spectral Density Plot Antenna 1b LPI (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS2)



Plot 7-371. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11a (UNII Band 7) – Ch. 149, 12Mbps)



Plot 7-369. Power Spectral Density Plot Antenna 1b LPI (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS2)



Plot 7-372. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS2)

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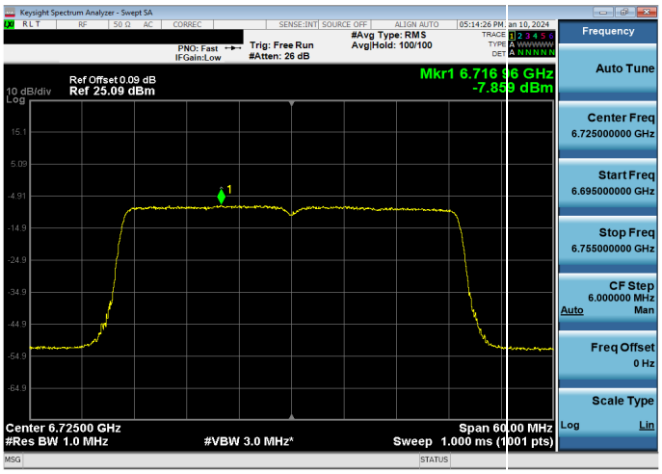
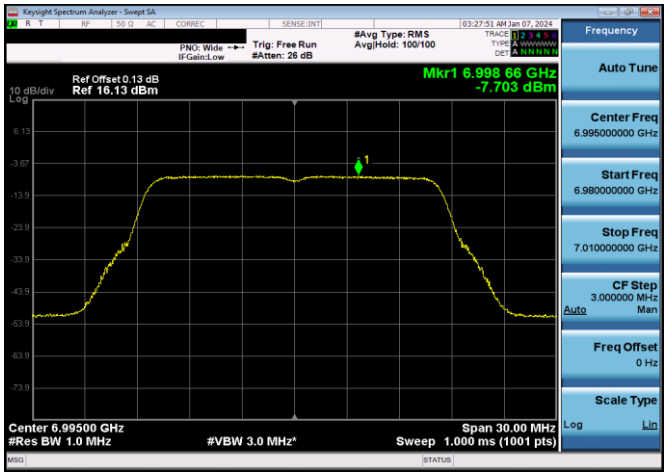
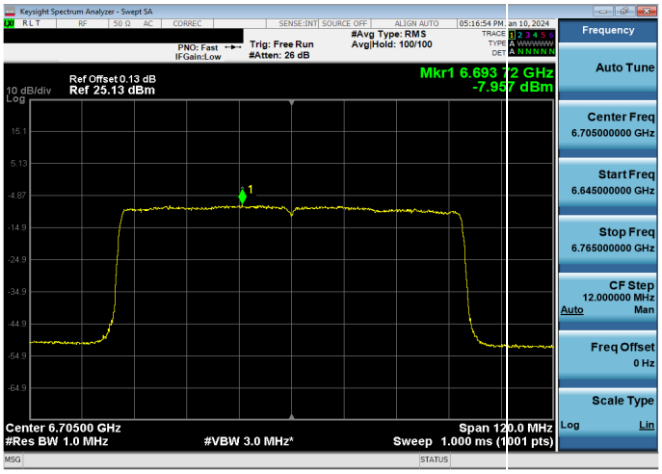


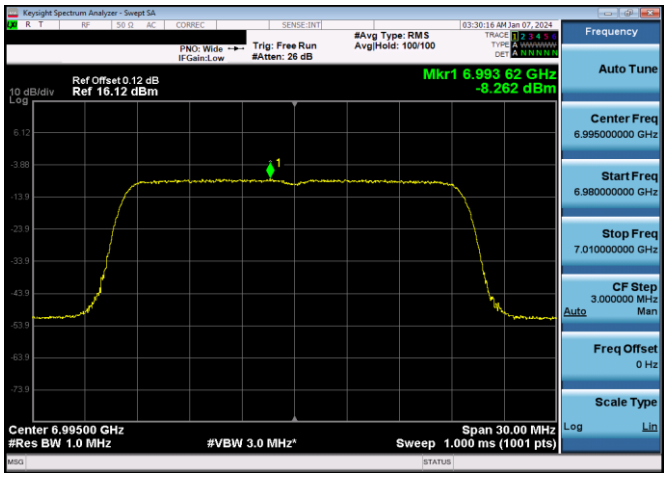
Plot 7-373. Power Spectral Density Plot Antenna 1b LPI (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS2)



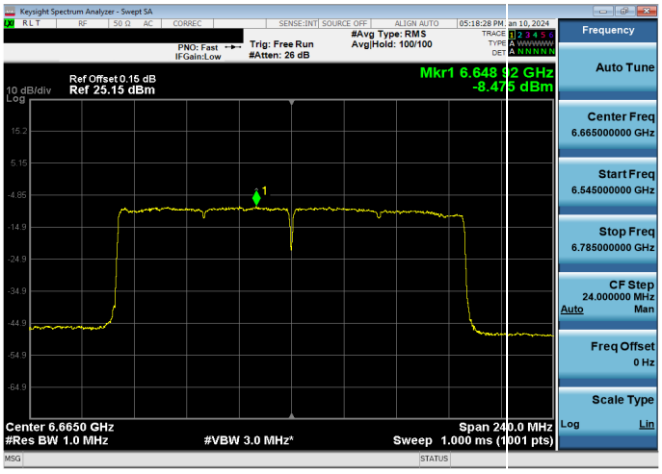
Plot 7-376. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11a (UNII Band 8) – Ch. 209, 12Mbps)



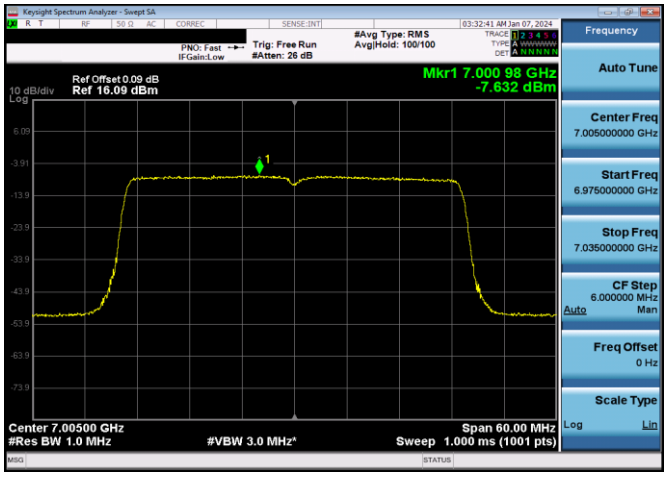
Plot 7-374. Power Spectral Density Plot Antenna 1b LPI (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS2)



Plot 7-377. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS2)



Plot 7-375. Power Spectral Density Plot Antenna 1b LPI (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS2)



Plot 7-378. Power Spectral Density Plot Antenna 1b LPI (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS2)

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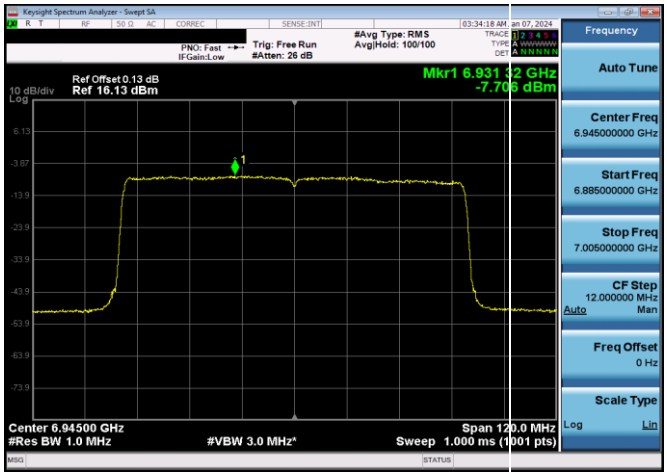
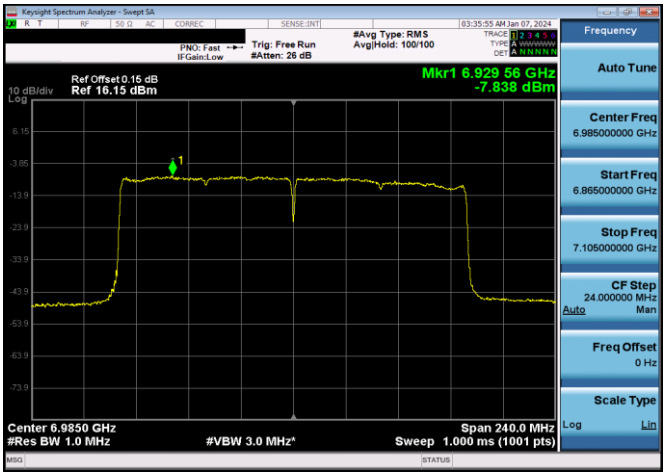


Plot 7-379. Power Spectral Density Plot Antenna 1b LPI (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS2)



Plot 7-380. Power Spectral Density Plot Antenna 1b LPI (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS2)

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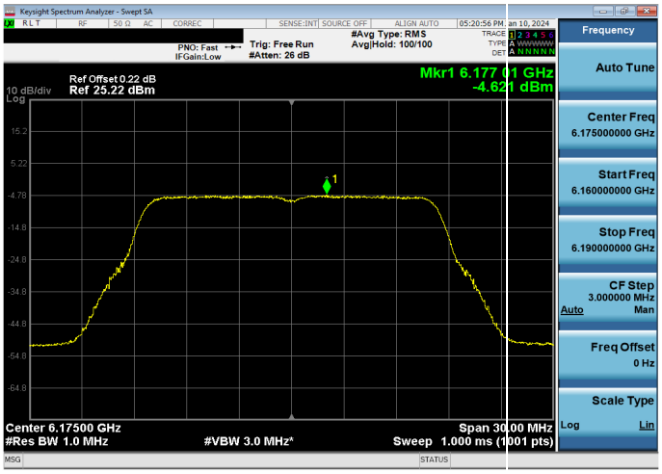
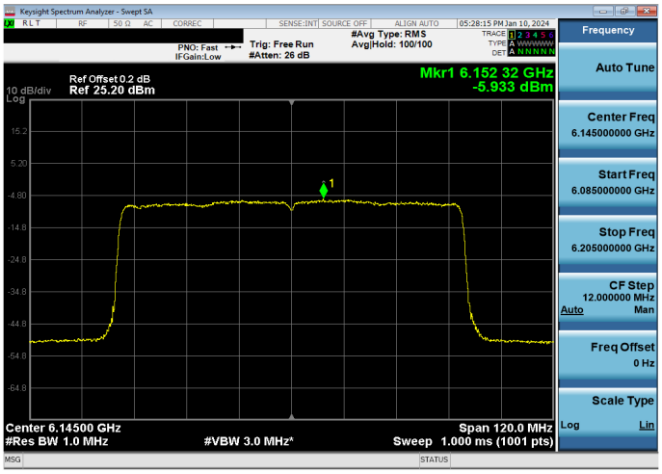
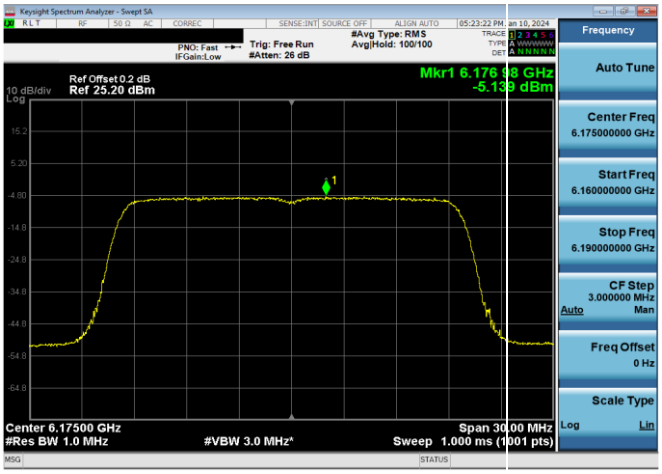
Mid Data Rate



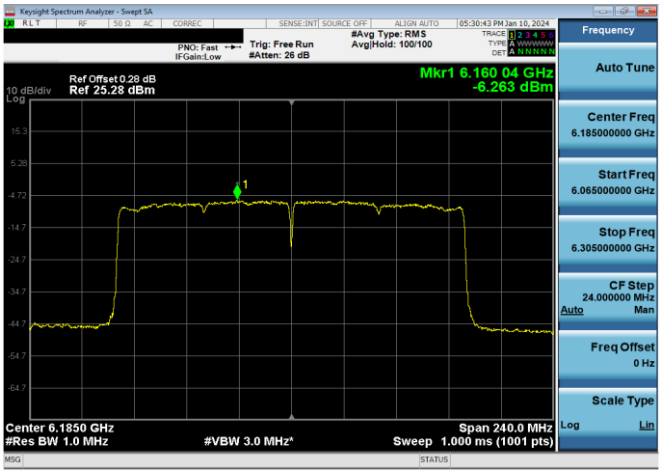
Plot 7-381. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11a (UNII Band 5) – Ch. 45, 24Mbps)



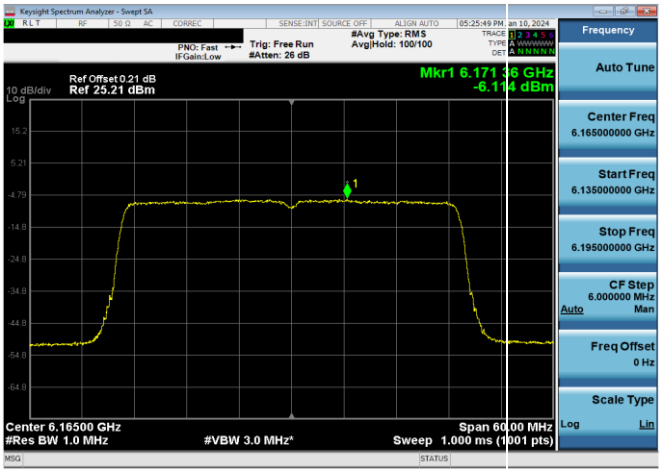
Plot 7-384. Power Spectral Density Plot Antenna 1b LPI (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS4)



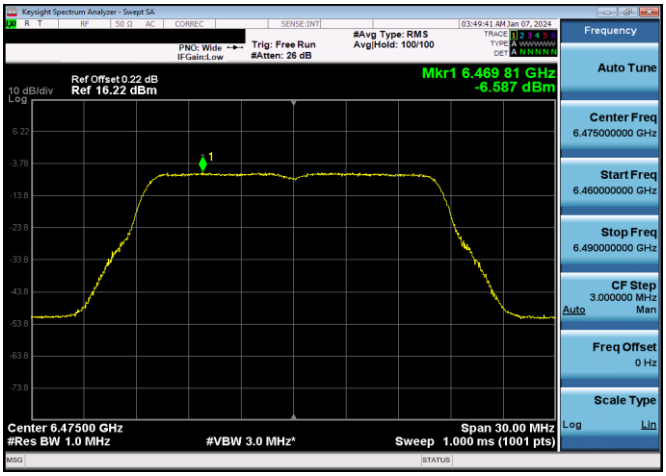
Plot 7-382. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS4)



Plot 7-385. Power Spectral Density Plot Antenna 1b LPI (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS4)



Plot 7-383. Power Spectral Density Plot Antenna 1b LPI (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS4)



Plot 7-386. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11a (UNII Band 6) – Ch. 105, 24Mbps)

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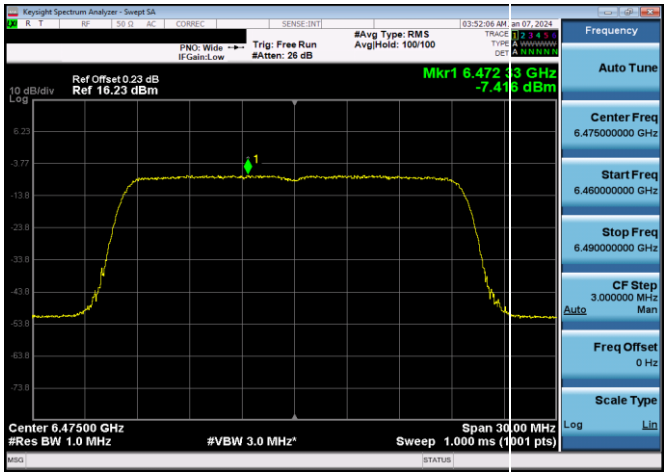
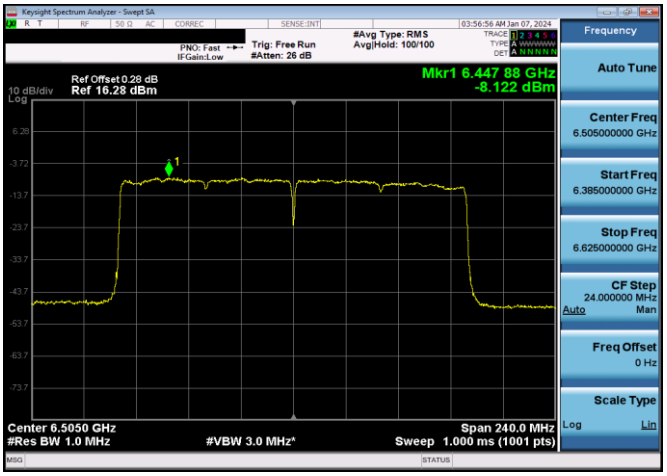
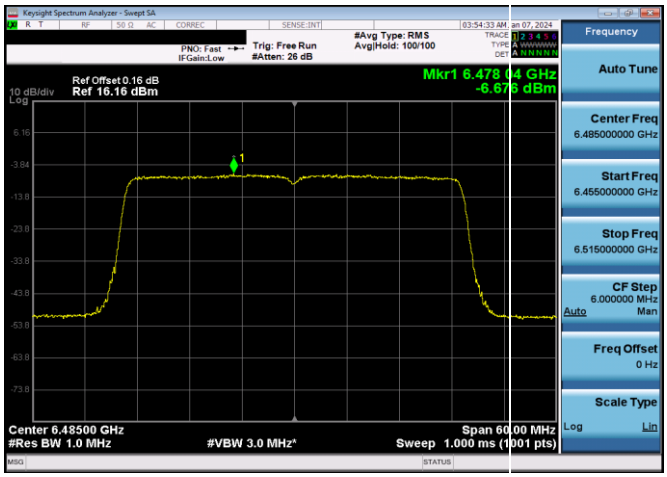


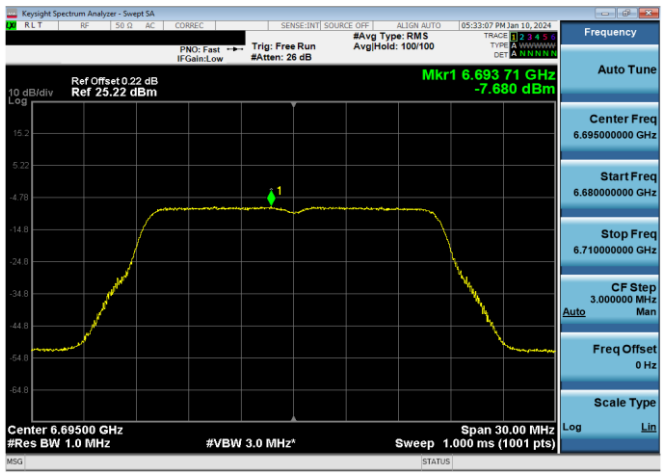
Plot 7-387. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS4)



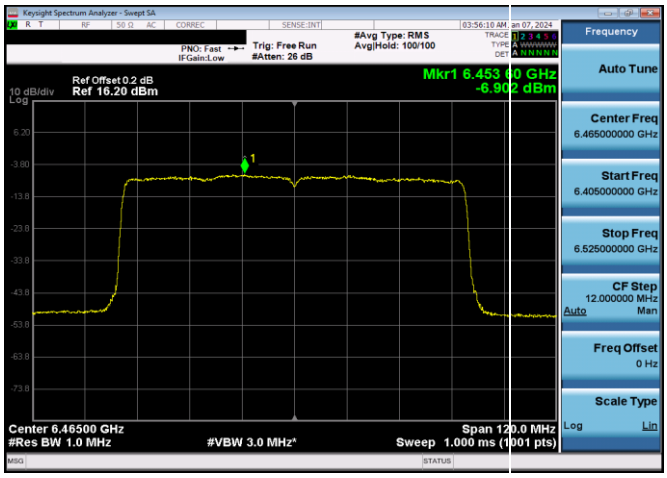
Plot 7-390. Power Spectral Density Plot Antenna 1b LPI (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS4)



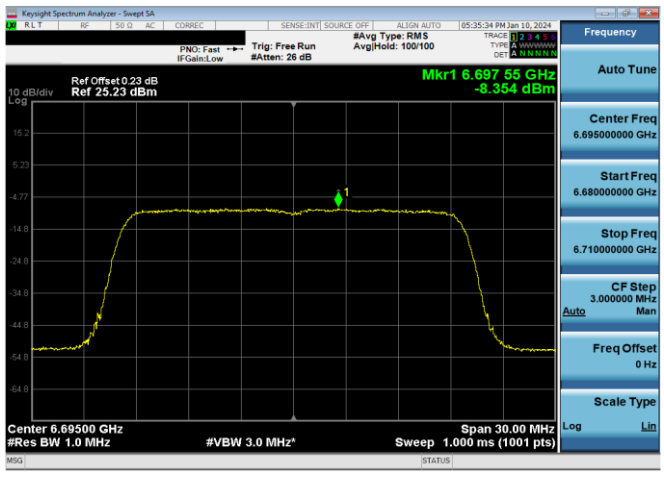
Plot 7-388. Power Spectral Density Plot Antenna 1b LPI (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS4)



Plot 7-391. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11a (UNII Band 7) – Ch. 149, 24Mbps)



Plot 7-389. Power Spectral Density Plot Antenna 1b LPI (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS4)



Plot 7-392. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS4)

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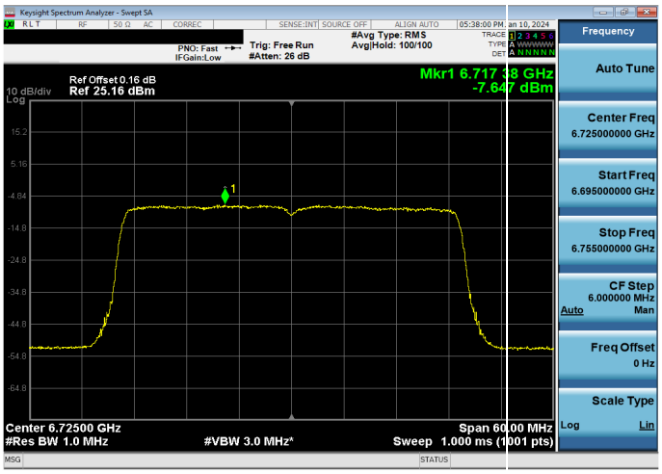
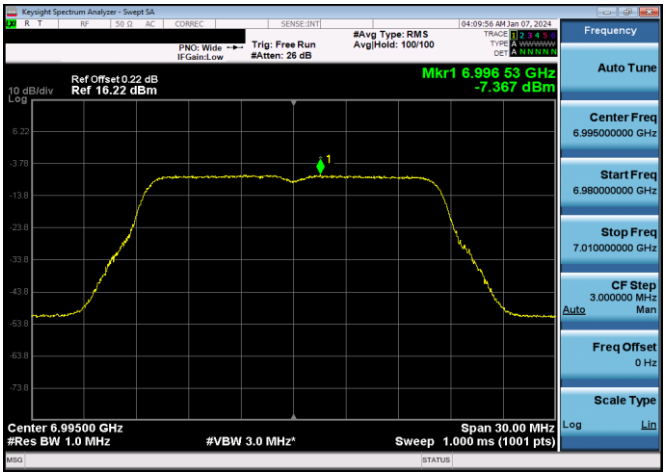
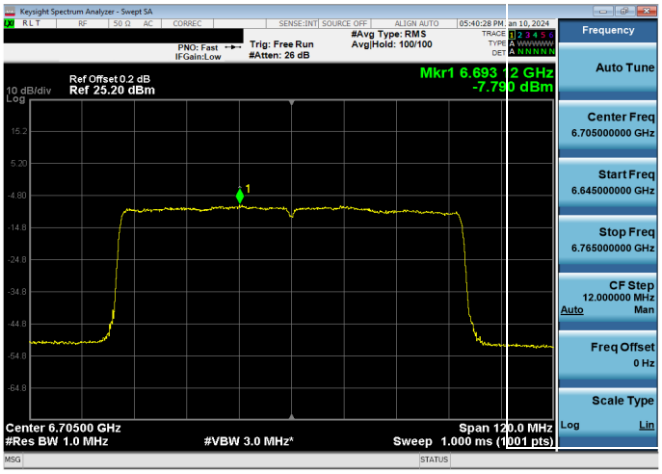


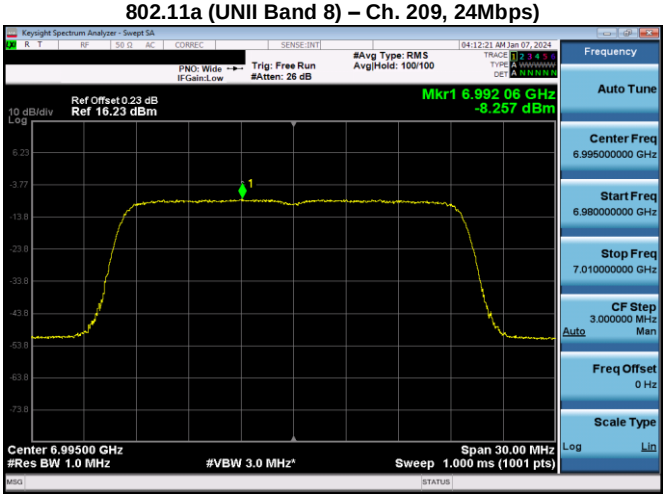
Plot 7-393. Power Spectral Density Plot Antenna 1b LPI (40MHz 802.11ax (UNII Band 7) – Ch. 155, MCS4)



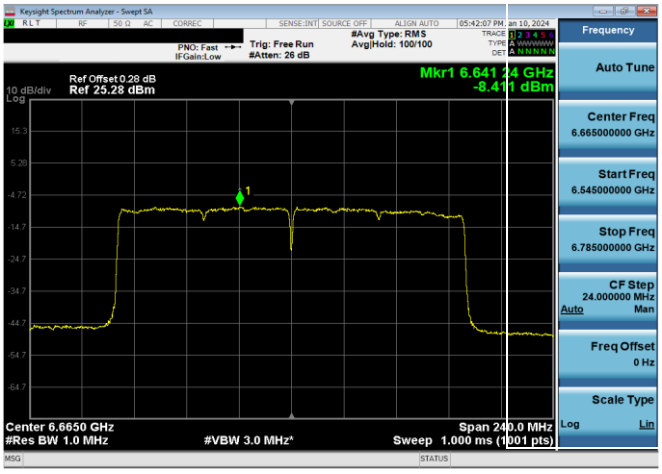
Plot 7-396. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11a (UNII Band 8) – Ch. 209, 24Mbps)



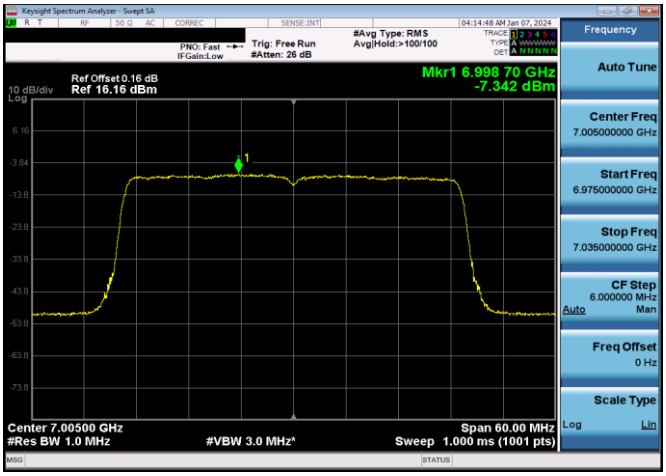
Plot 7-394. Power Spectral Density Plot Antenna 1b LPI (80MHz 802.11ax (UNII Band 7) – Ch. 151, MCS4)



Plot 7-397. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11ax (UNII Band 8) – Ch. 209, MCS4)



Plot 7-395. Power Spectral Density Plot Antenna 1b LPI (160MHz 802.11ax (UNII Band 7) – Ch. 143, MCS4)



Plot 7-398. Power Spectral Density Plot Antenna 1b LPI (40MHz 802.11ax (UNII Band 8) – Ch. 211, MCS4)

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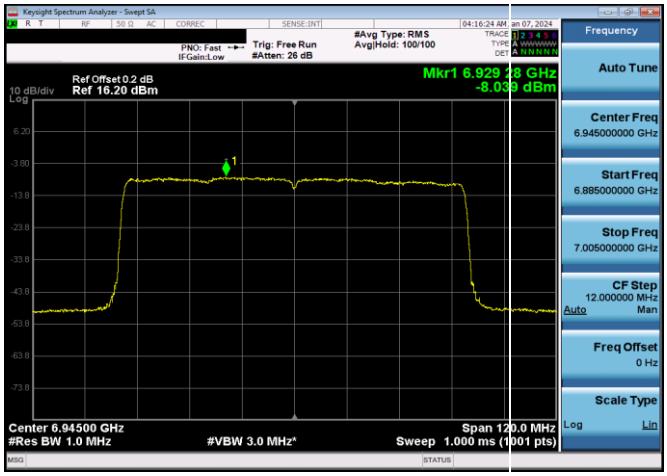
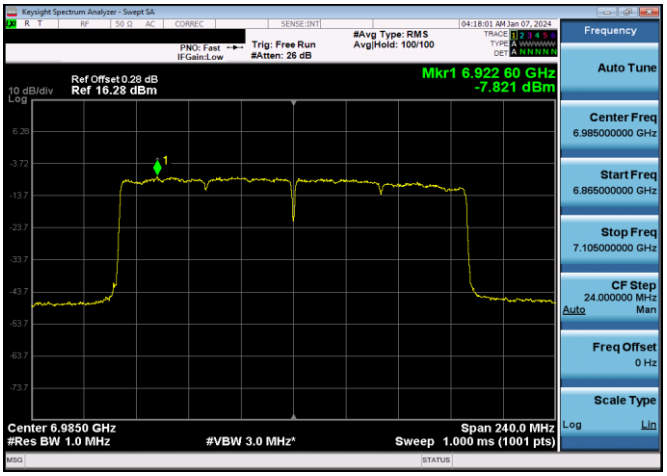


Plot 7-399. Power Spectral Density Plot Antenna 1b LPI (80MHz 802.11ax (UNII Band 8) – Ch. 199, MCS4)



Plot 7-400. Power Spectral Density Plot Antenna 1b LPI (160MHz 802.11ax (UNII Band 8) – Ch. 207, MCS4)

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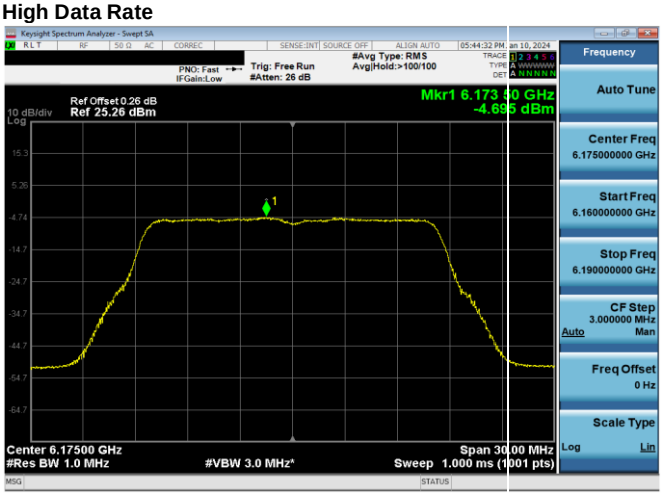
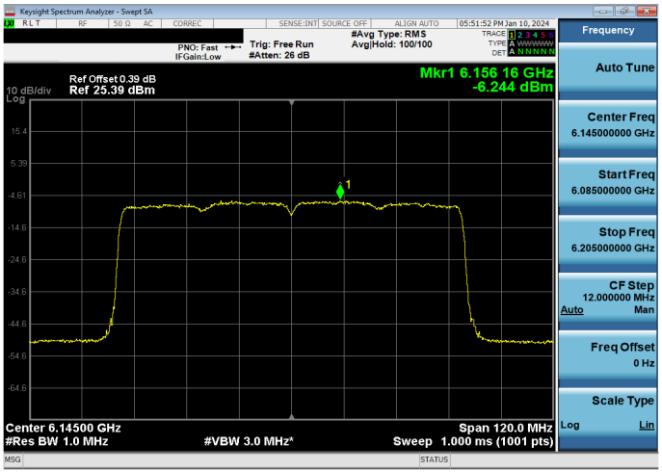
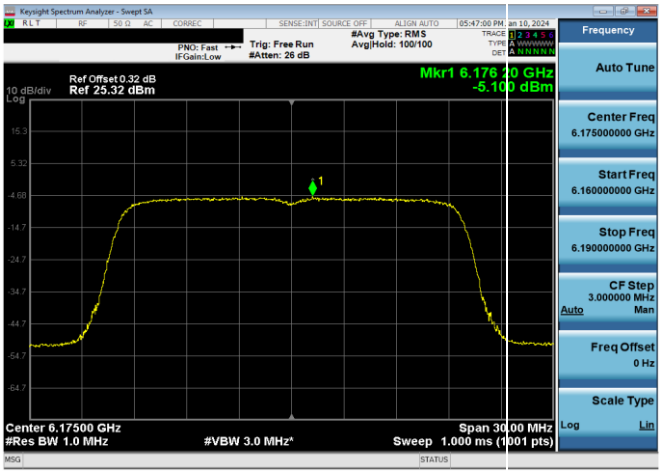
High Data Rate



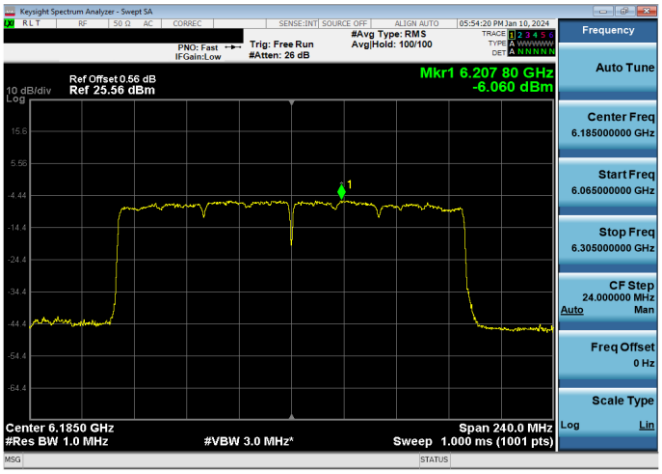
Plot 7-401. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11a (UNII Band 5) – Ch. 45, 54Mbps)



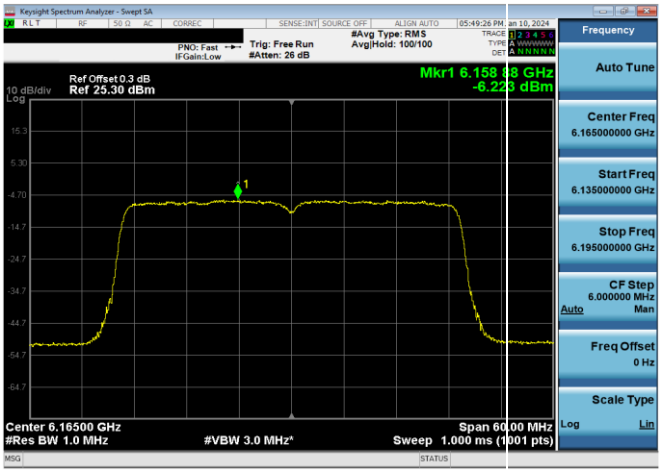
Plot 7-404. Power Spectral Density Plot Antenna 1b LPI (80MHz 802.11ax (UNII Band 5) – Ch. 39, MCS11)



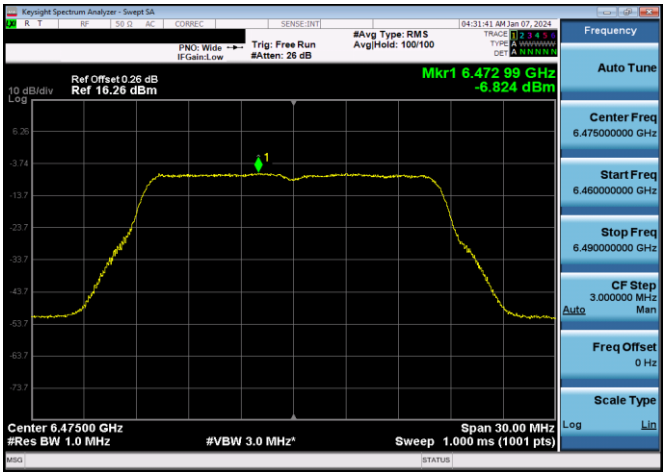
Plot 7-402. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11ax (UNII Band 5) – Ch. 45, MCS11)



Plot 7-405. Power Spectral Density Plot Antenna 1b LPI (160MHz 802.11ax (UNII Band 5) – Ch. 47, MCS11)



Plot 7-403. Power Spectral Density Plot Antenna 1b LPI (40MHz 802.11ax (UNII Band 5) – Ch. 43, MCS11)



Plot 7-406. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11a (UNII Band 6) – Ch. 105, 54Mbps)

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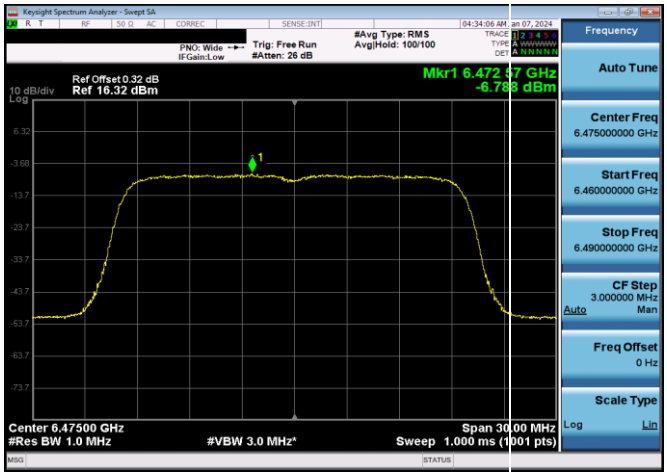
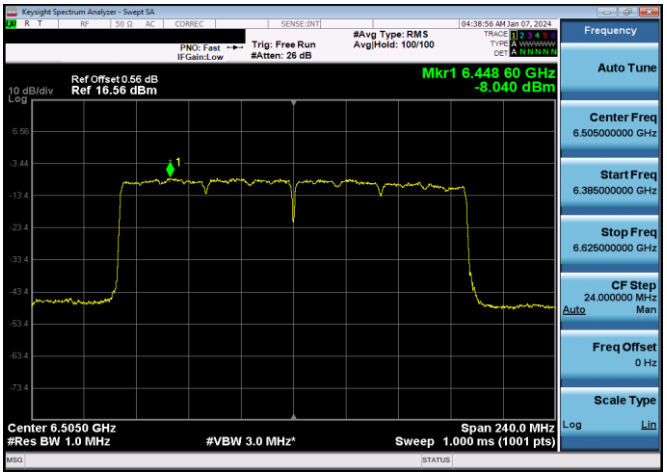
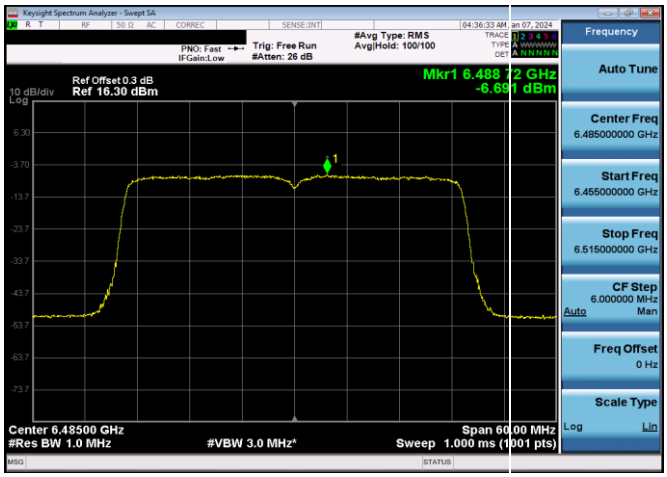


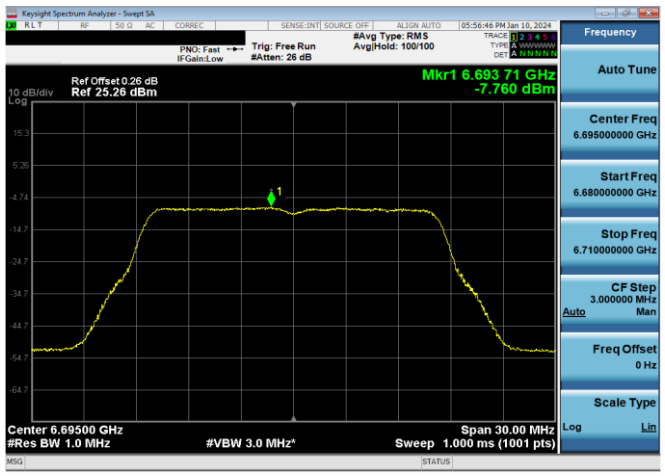
Plot 7-407. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11ax (UNII Band 6) – Ch. 105, MCS11)



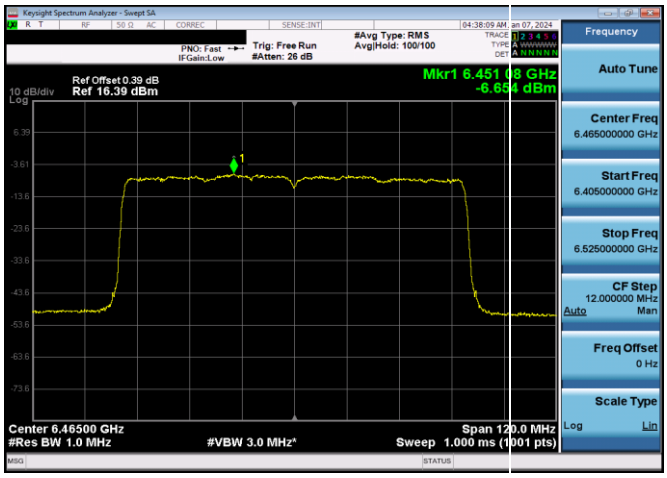
Plot 7-410. Power Spectral Density Plot Antenna 1b LPI (160MHz 802.11ax (UNII Band 6) – Ch. 111, MCS11)



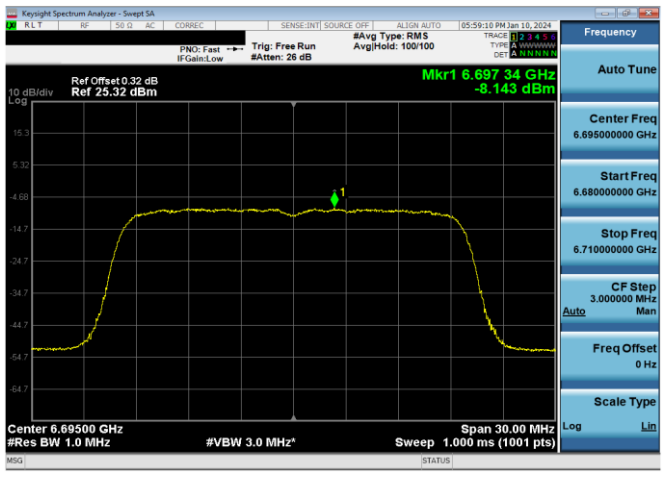
Plot 7-408. Power Spectral Density Plot Antenna 1b LPI (40MHz 802.11ax (UNII Band 6) – Ch. 107, MCS11)



Plot 7-411. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11a (UNII Band 7) – Ch. 149, 54Mbps)



Plot 7-409. Power Spectral Density Plot Antenna 1b LPI (80MHz 802.11ax (UNII Band 6) – Ch. 103, MCS11)



Plot 7-412. Power Spectral Density Plot Antenna 1b LPI (20MHz 802.11ax (UNII Band 7) – Ch. 149, MCS11)

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