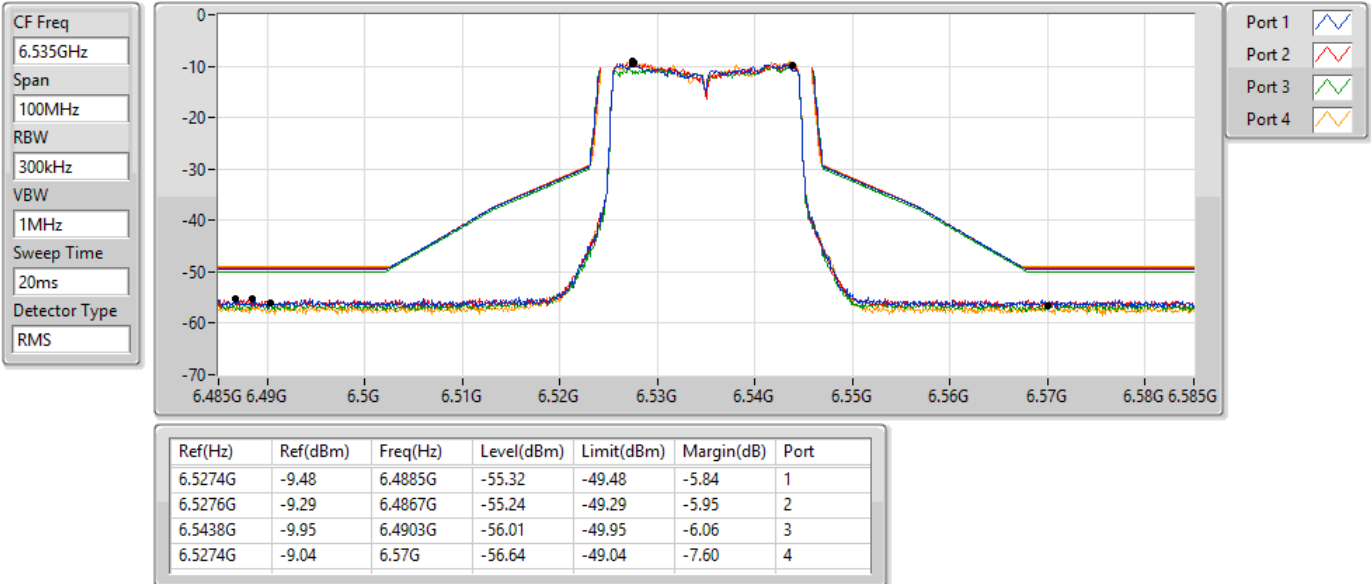


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

MASK

6535MHz_TnomVnom

16/03/2022

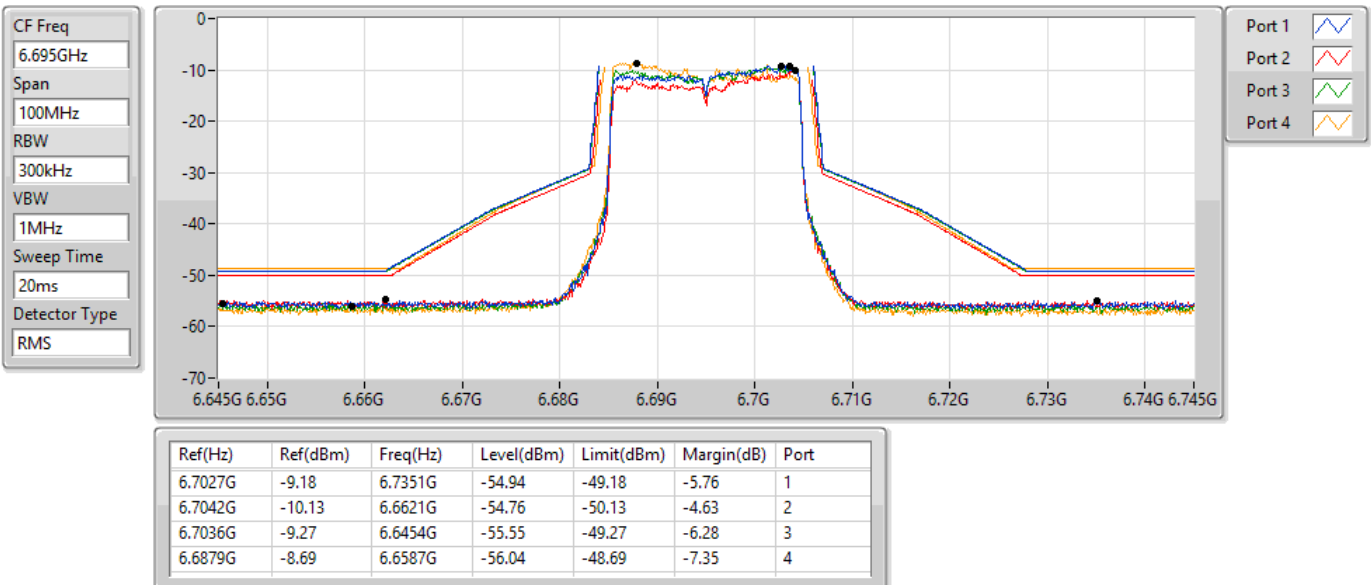


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

MASK

6695MHz_TnomVnom

16/03/2022

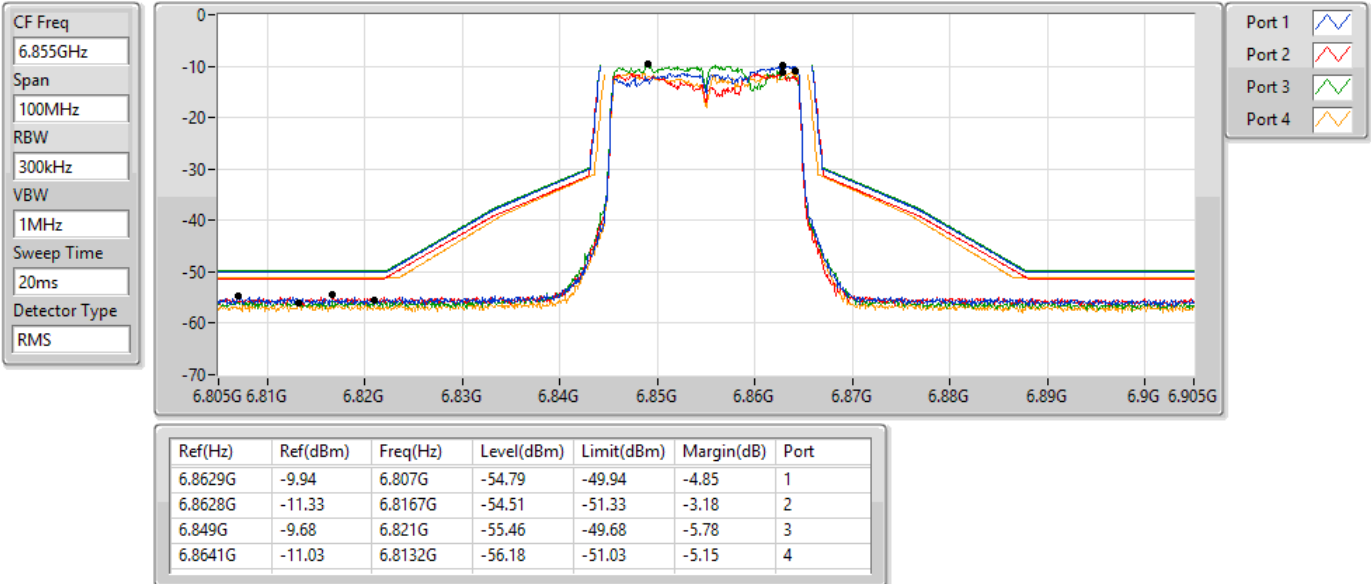


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

MASK

6855MHz_TnomVnom

16/03/2022

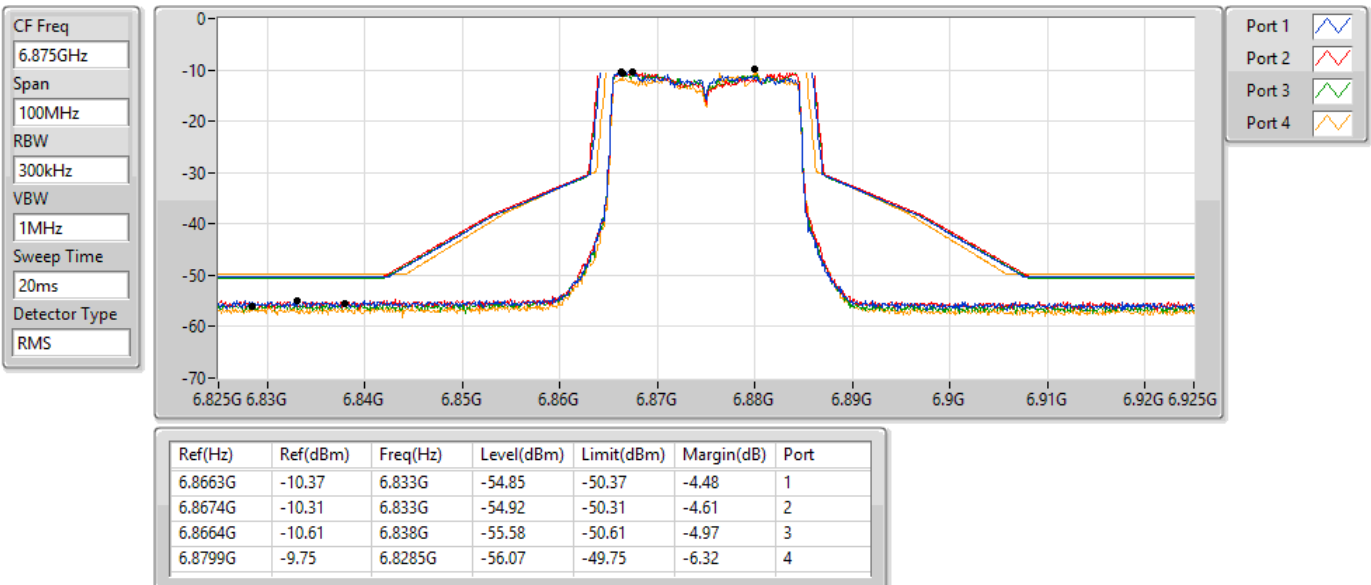


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

MASK

6875MHz Straddle 6.525-6.875GHz_TnomVnom

16/03/2022

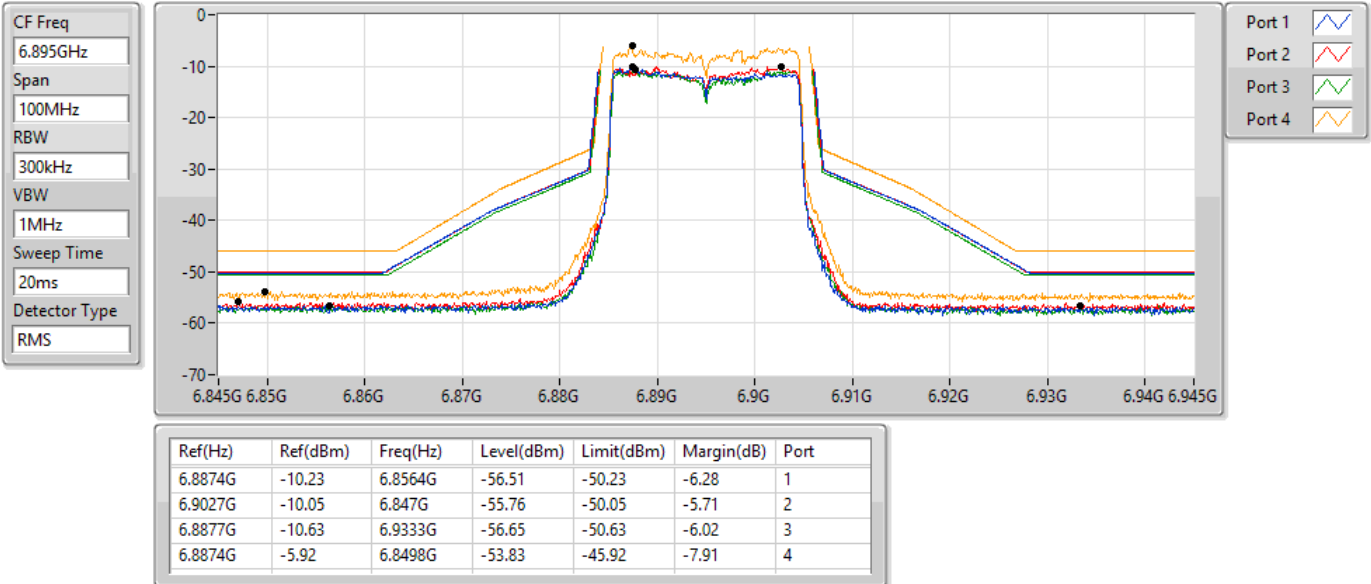


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

MASK

6895MHz_TnomVnom

16/03/2022

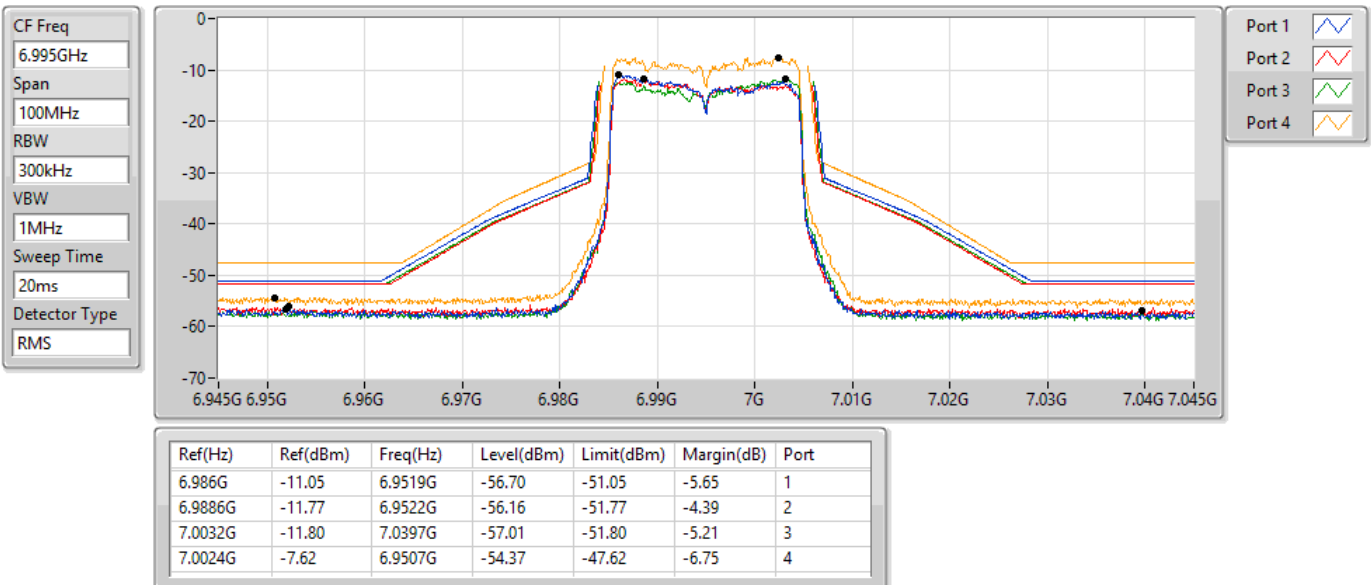


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

MASK

6995MHz_TnomVnom

16/03/2022

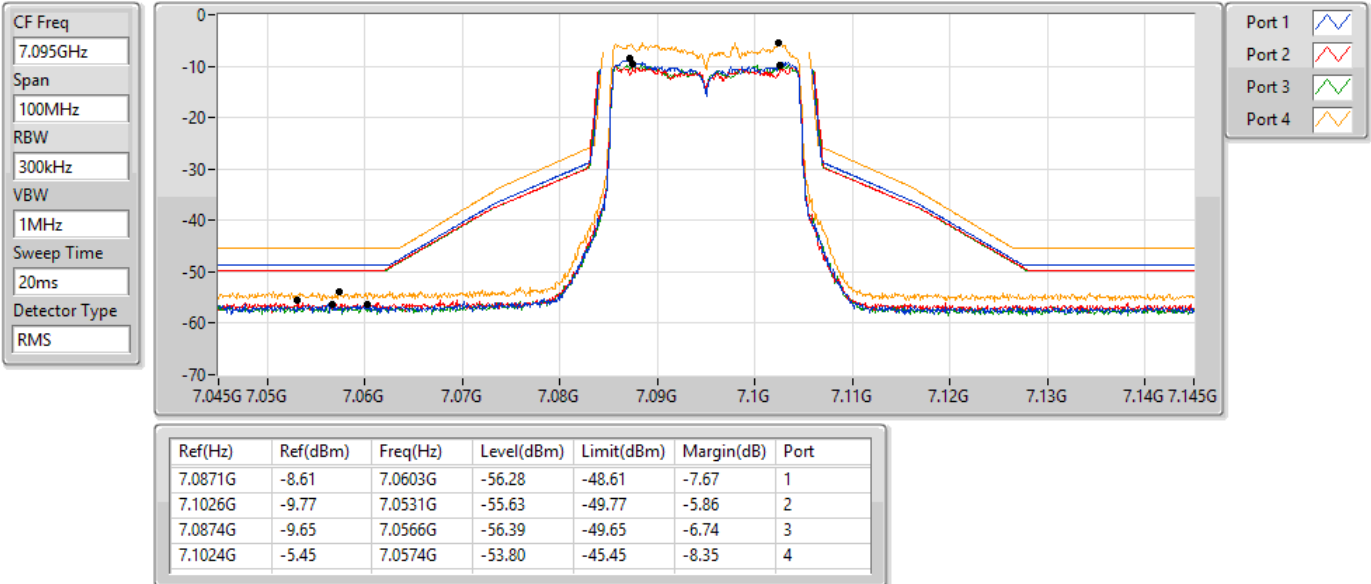


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

MASK

7095MHz_TnomVnom

16/03/2022

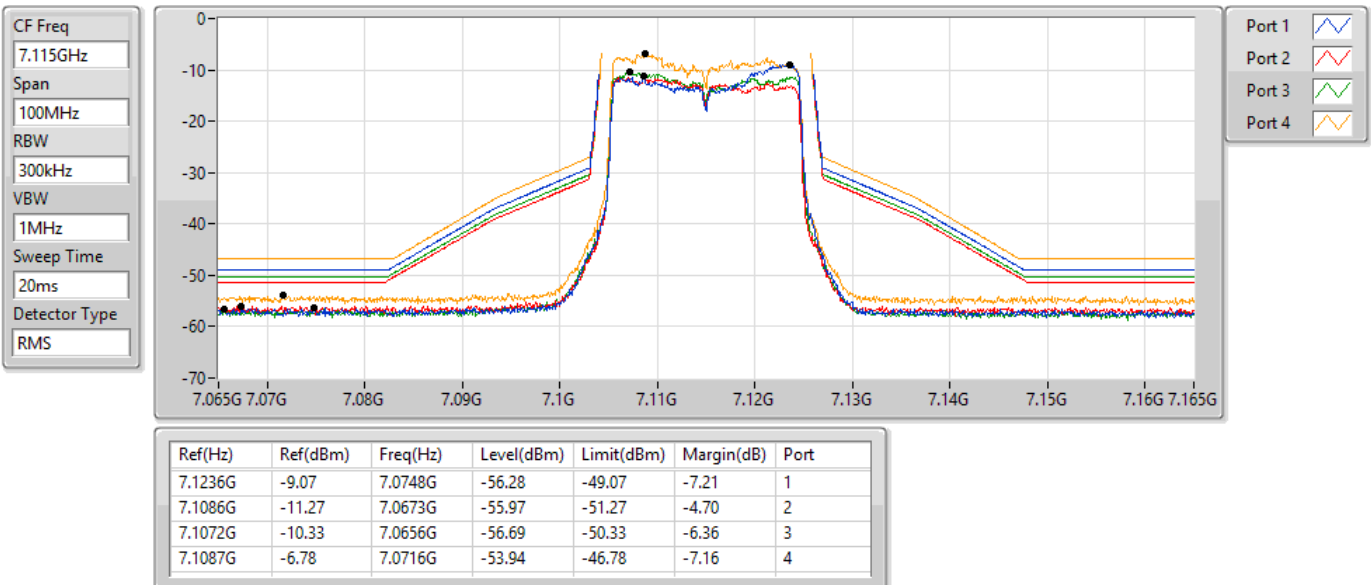


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

MASK

7115MHz_TnomVnom

16/03/2022

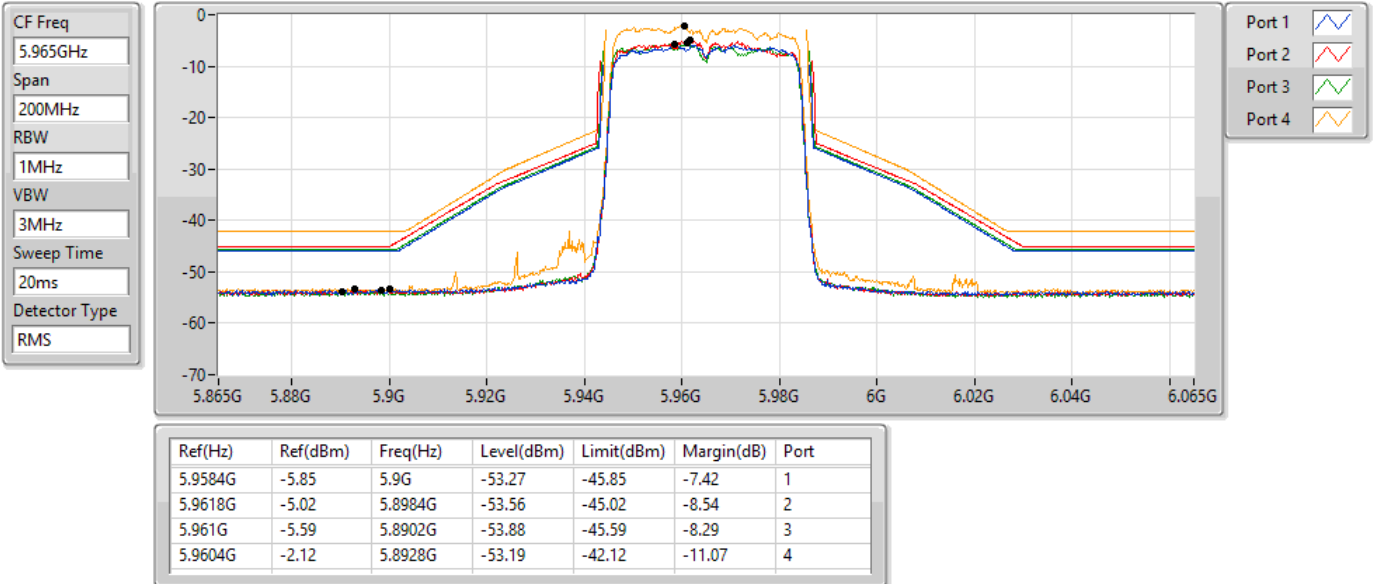


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

5965MHz_TnomVnom

16/03/2022

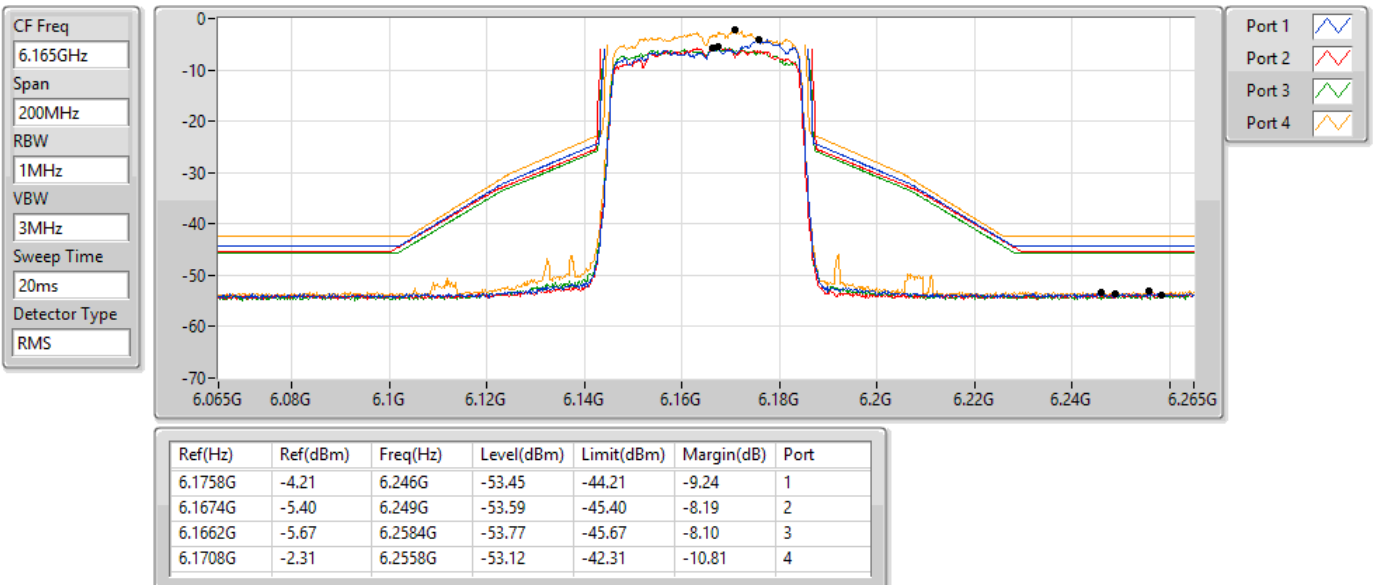


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6165MHz_TnomVnom

16/03/2022

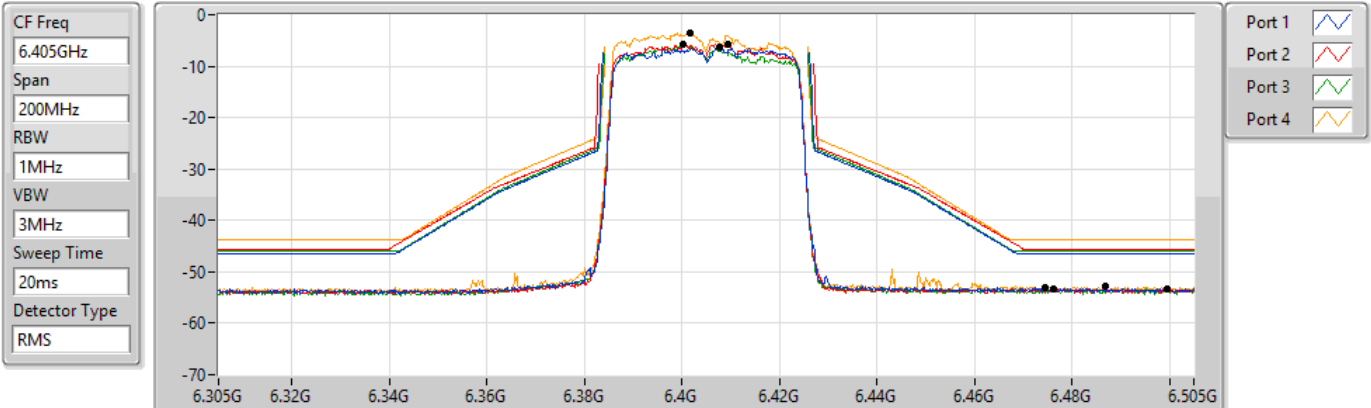


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6405MHz_TnomVnom

16/03/2022



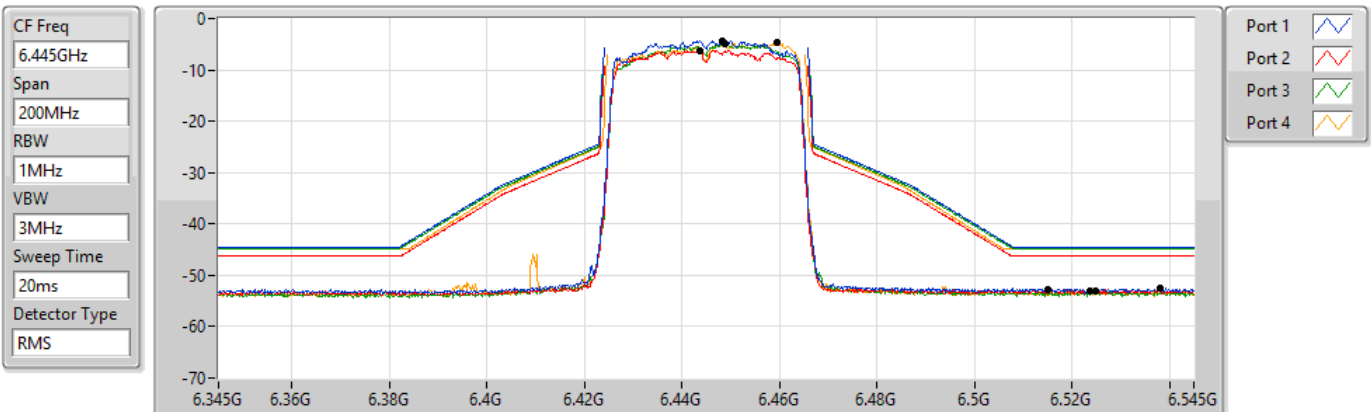
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.4076G	-6.37	6.4744G	-53.03	-46.37	-6.66	1
6.4096G	-5.77	6.4762G	-53.26	-45.77	-7.49	2
6.4002G	-5.83	6.4994G	-53.40	-45.83	-7.57	3
6.4016G	-3.62	6.487G	-52.84	-43.62	-9.22	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6445MHz_TnomVnom

16/03/2022



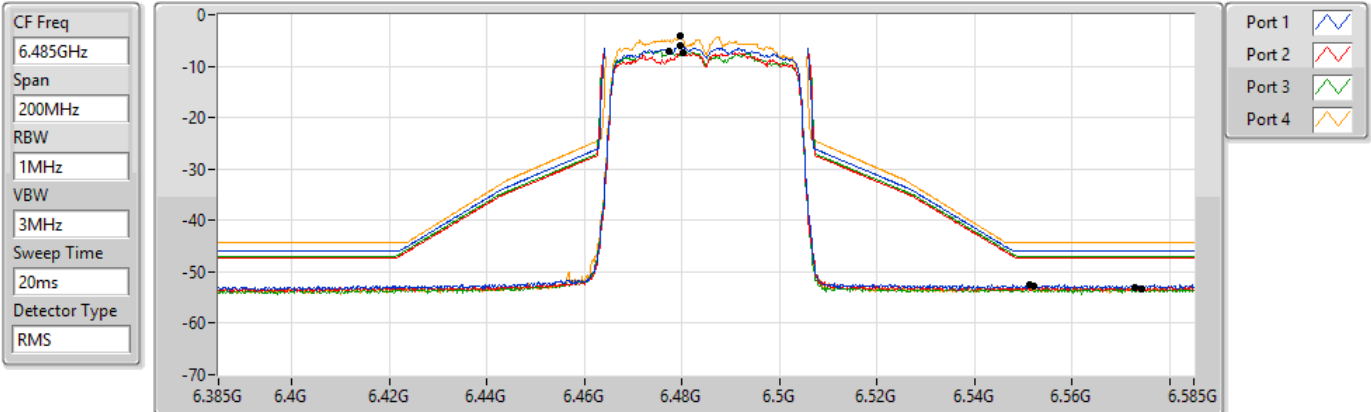
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.4484G	-4.45	6.538G	-52.45	-44.45	-8.00	1
6.4438G	-6.21	6.5152G	-52.85	-46.21	-6.64	2
6.449G	-4.90	6.5248G	-53.09	-44.90	-8.19	3
6.4596G	-4.76	6.5236G	-53.11	-44.76	-8.35	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6485MHz_TnomVnom

16/03/2022



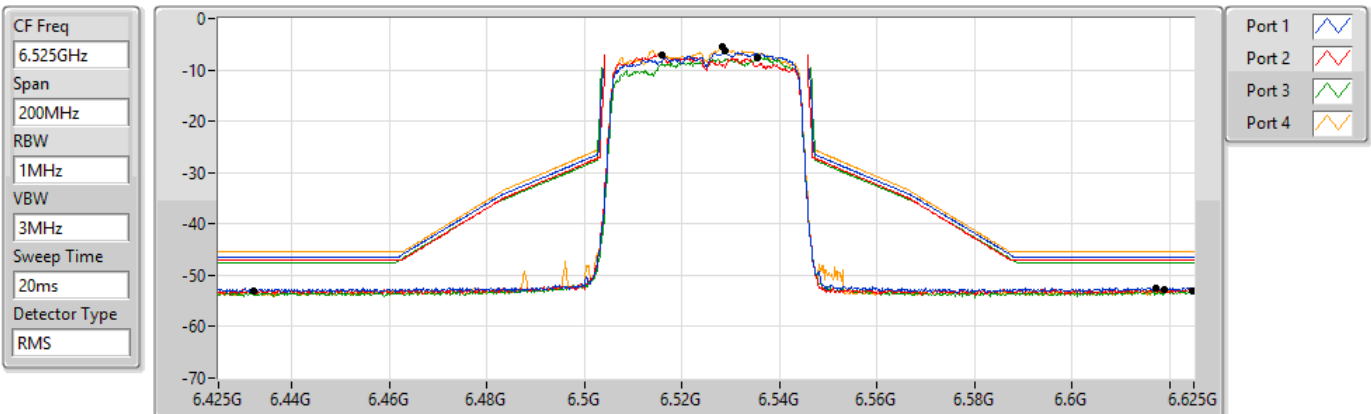
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.4798G	-5.97	6.5512G	-52.48	-45.97	-6.51	1
6.4802G	-7.33	6.5522G	-52.89	-47.33	-5.56	2
6.4774G	-7.04	6.5744G	-53.25	-47.04	-6.21	3
6.4798G	-4.18	6.573G	-53.14	-44.18	-8.96	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6525MHz Straddle 6.425-6.525GHz_TnomVnom

16/03/2022



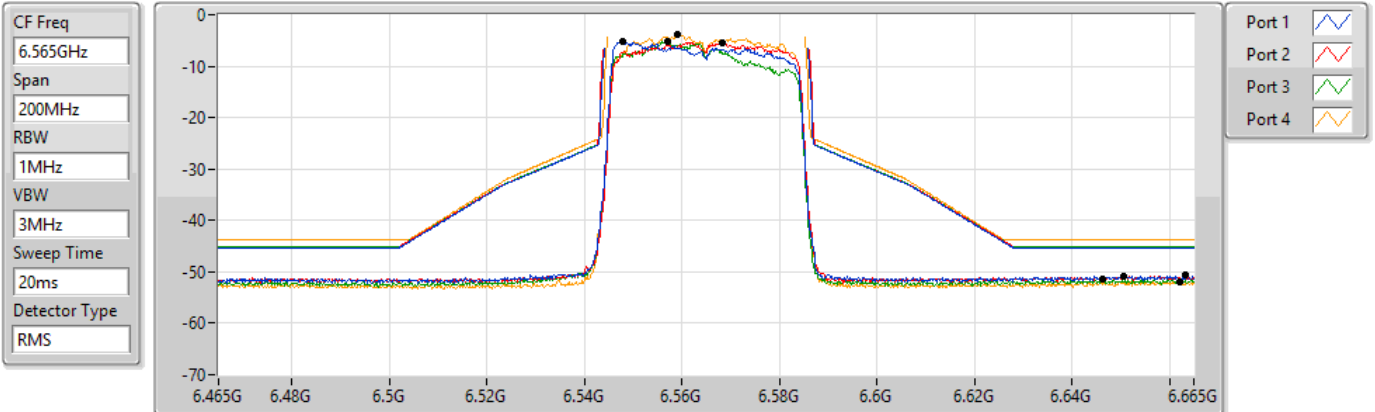
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.529G	-6.40	6.6172G	-52.40	-46.40	-6.00	1
6.5158G	-7.00	6.619G	-52.70	-47.00	-5.70	2
6.5356G	-7.63	6.6246G	-53.04	-47.63	-5.41	3
6.5284G	-5.37	6.4322G	-52.93	-45.37	-7.56	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6565MHz_TnomVnom

16/03/2022



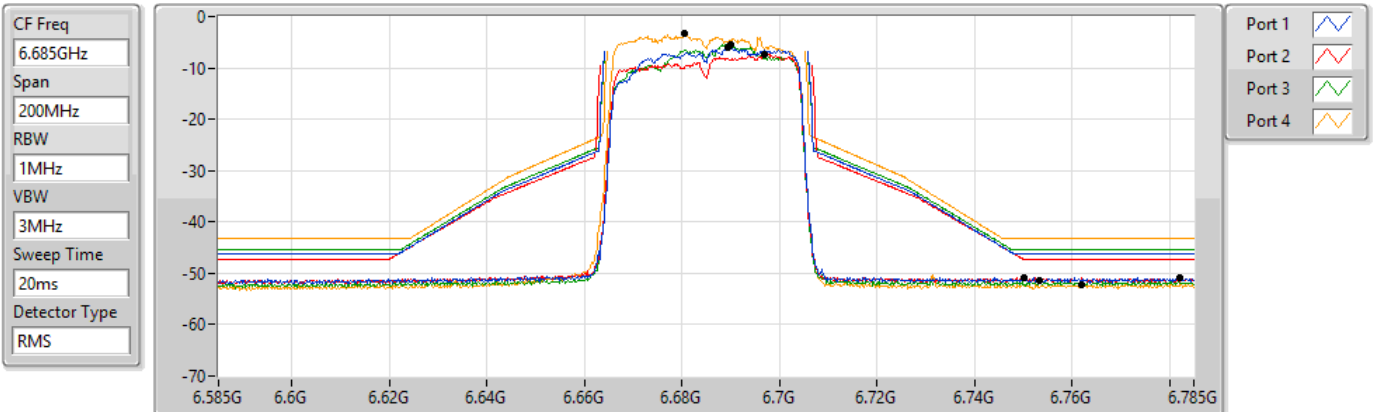
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.548G	-5.26	6.6634G	-50.66	-45.26	-5.40	1
6.5682G	-5.36	6.6506G	-50.92	-45.36	-5.56	2
6.557G	-5.19	6.6464G	-51.42	-45.19	-6.23	3
6.5592G	-3.87	6.662G	-52.00	-43.87	-8.13	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6685MHz_TnomVnom

16/03/2022



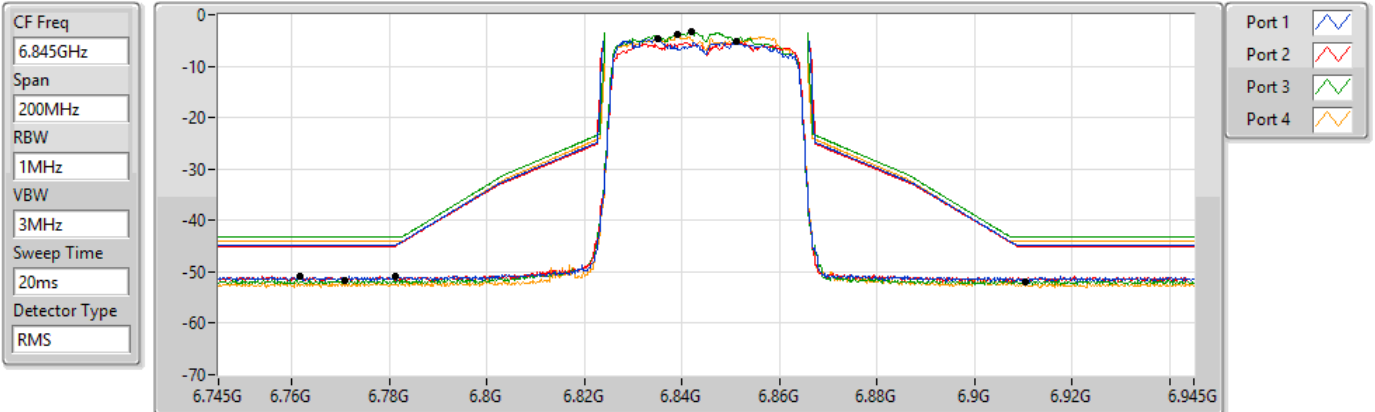
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.6894G	-6.11	6.782G	-50.77	-46.11	-4.66	1
6.697G	-7.29	6.7502G	-50.93	-47.29	-3.64	2
6.69G	-5.45	6.7534G	-51.47	-45.45	-6.02	3
6.6806G	-3.17	6.762G	-52.14	-43.17	-8.97	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6845MHz_TnomVnom

16/03/2022



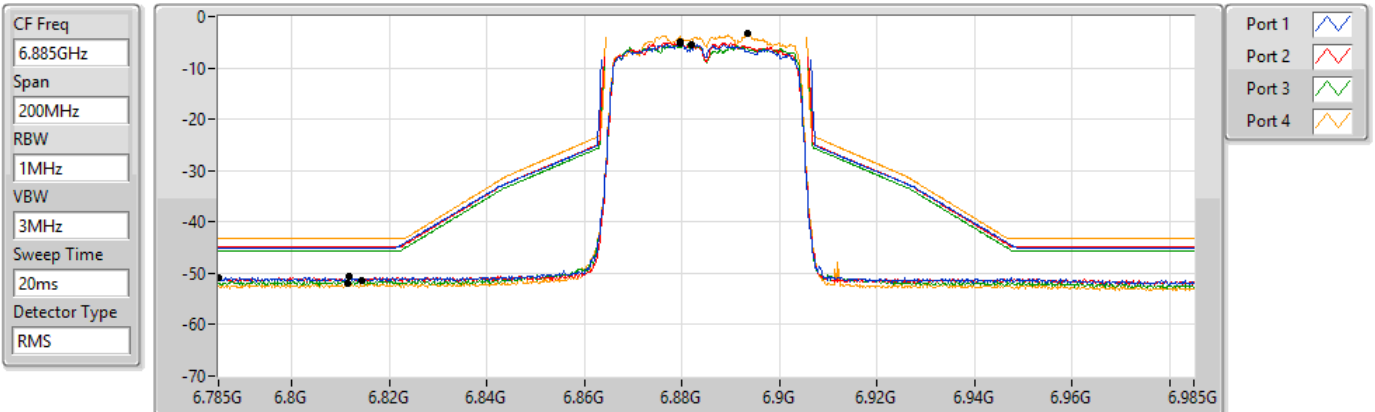
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.8352G	-4.77	6.7812G	-50.96	-44.77	-6.19	1
6.8512G	-5.12	6.7618G	-50.85	-45.12	-5.73	2
6.842G	-3.22	6.771G	-51.56	-43.22	-8.34	3
6.8392G	-3.96	6.9104G	-51.97	-43.96	-8.01	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6885MHz Straddle 6.525-6.875GHz_TnomVnom

16/03/2022



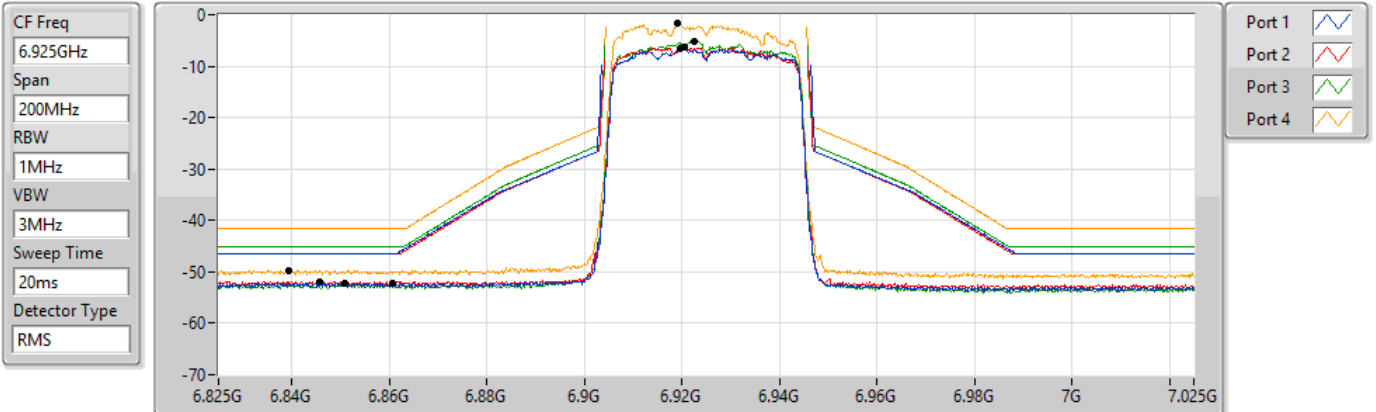
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.8798G	-5.15	6.8118G	-50.61	-45.15	-5.46	1
6.8798G	-4.82	6.785G	-50.84	-44.82	-6.02	2
6.882G	-5.53	6.8144G	-51.35	-45.53	-5.82	3
6.8936G	-3.15	6.8116G	-51.92	-43.15	-8.77	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6925MHz_TnomVnom

16/03/2022



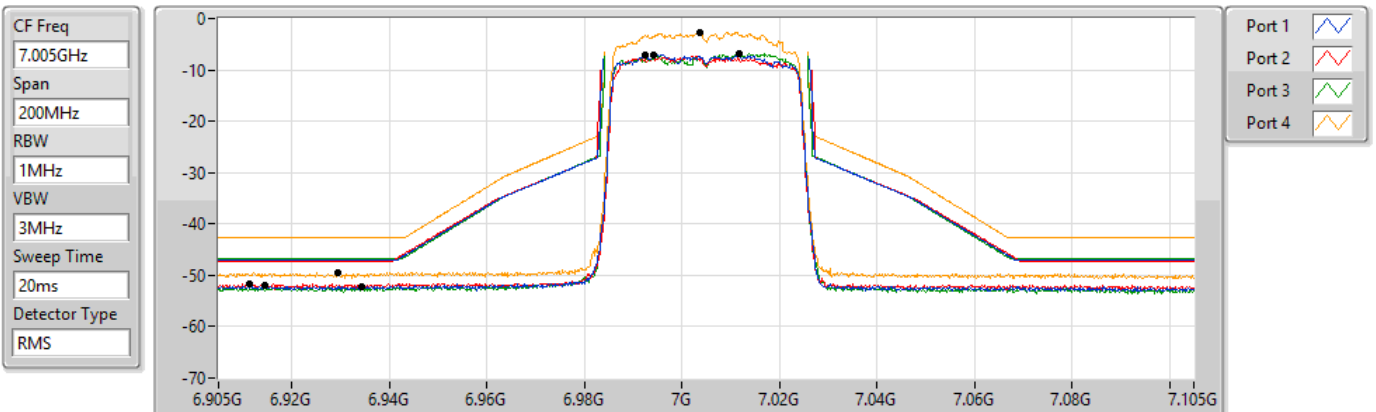
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.9198G	-6.57	6.8608G	-52.19	-46.57	-5.62	1
6.9206G	-6.41	6.8456G	-51.82	-46.41	-5.41	2
6.9226G	-5.25	6.8508G	-52.34	-45.25	-7.09	3
6.9192G	-1.59	6.8394G	-49.71	-41.59	-8.12	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

7005MHz_TnomVnom

16/03/2022



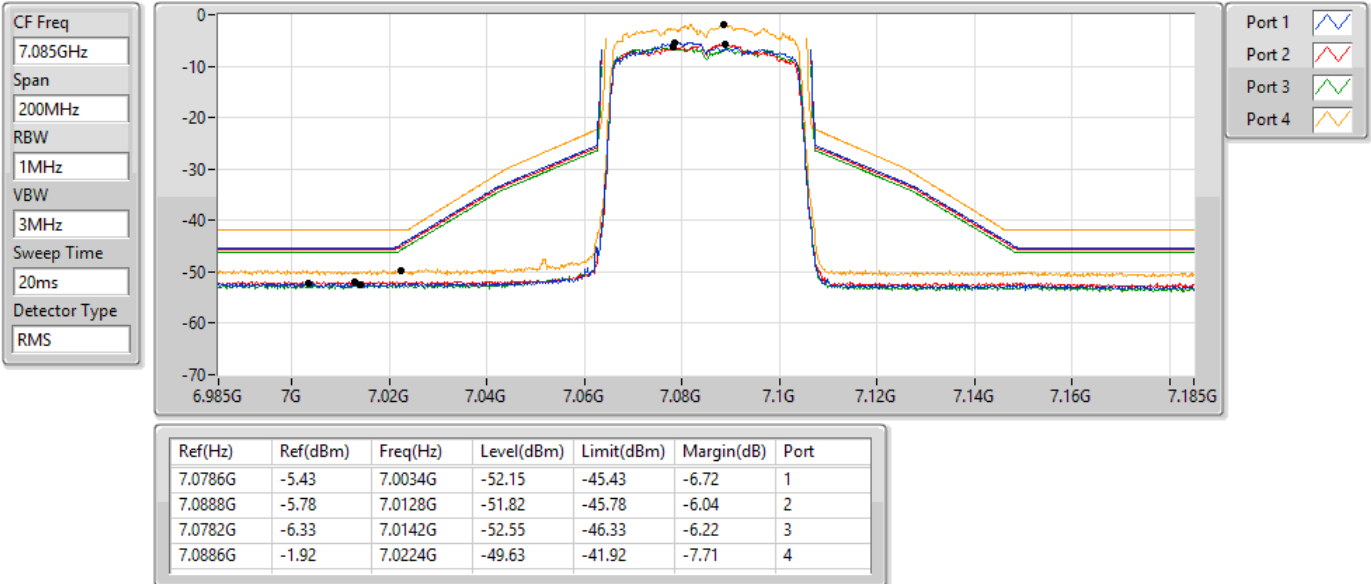
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.9924G	-7.04	6.9146G	-52.04	-47.04	-5.00	1
6.9942G	-7.17	6.9114G	-51.72	-47.17	-4.55	2
7.0118G	-6.71	6.9344G	-52.34	-46.71	-5.63	3
7.0036G	-2.66	6.9294G	-49.59	-42.66	-6.93	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

7085MHz_TnomVnom

16/03/2022

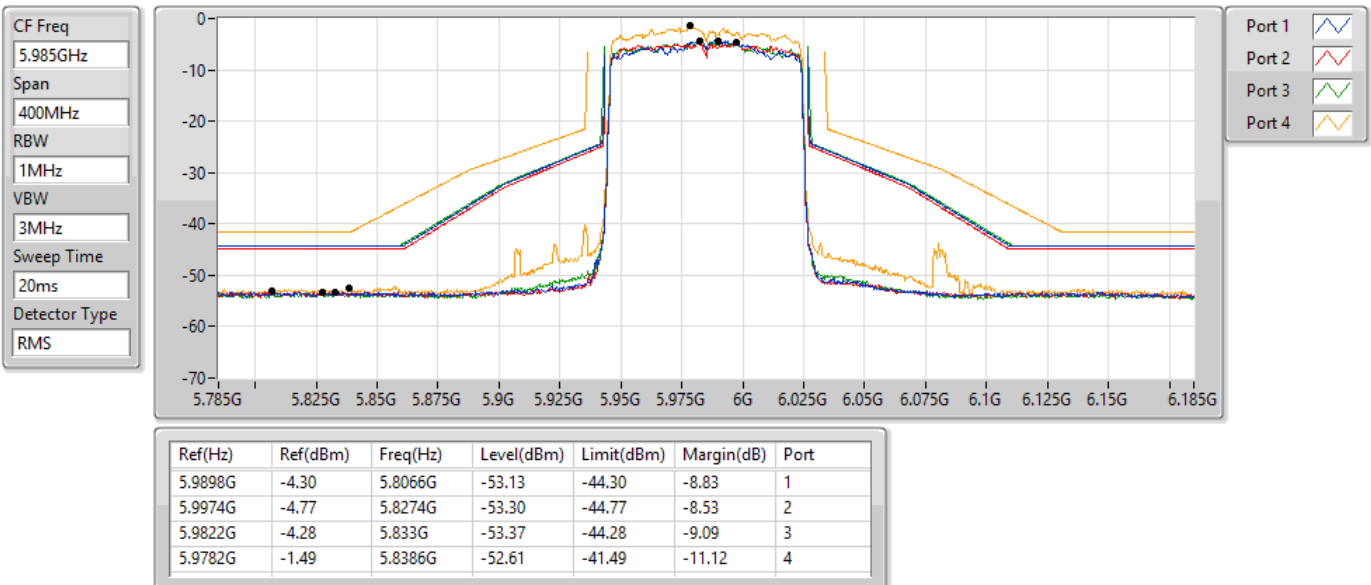


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

5985MHz_TnomVnom

16/03/2022

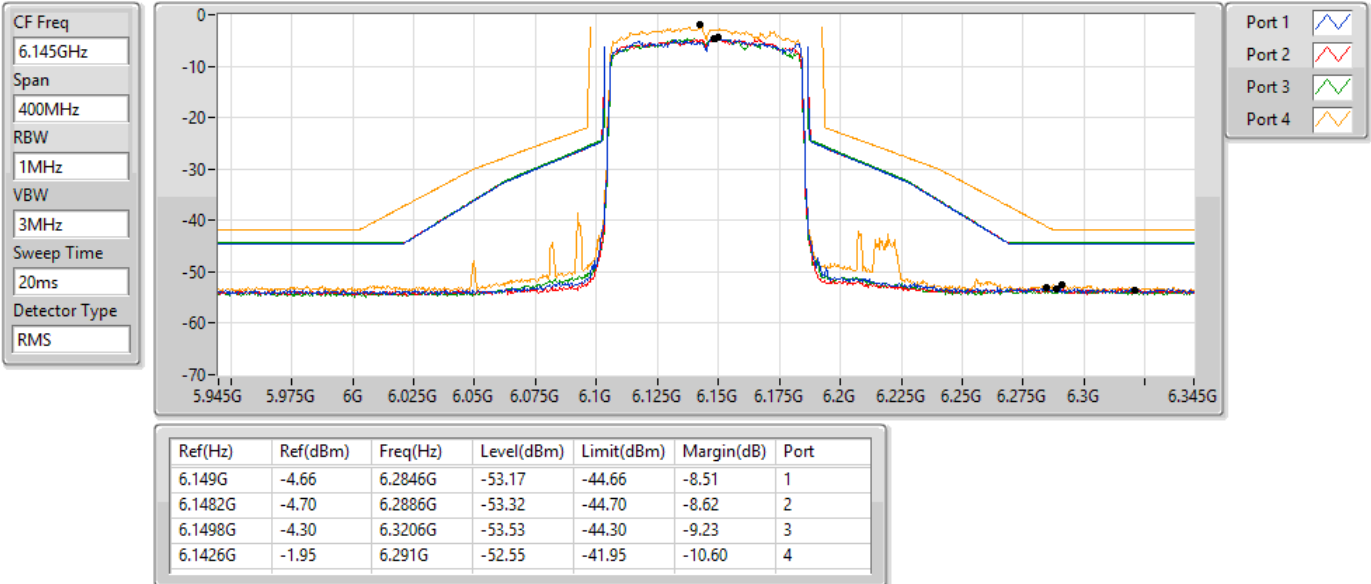


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

6145MHz_TnomVnom

16/03/2022

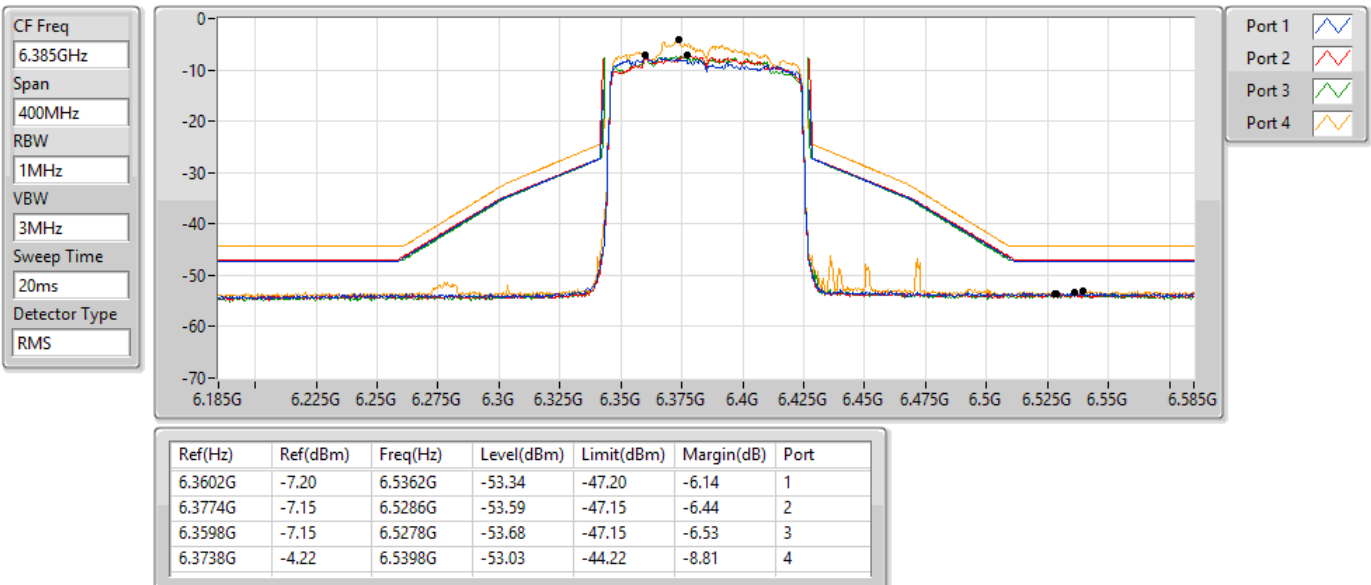


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

6385MHz_TnomVnom

16/03/2022

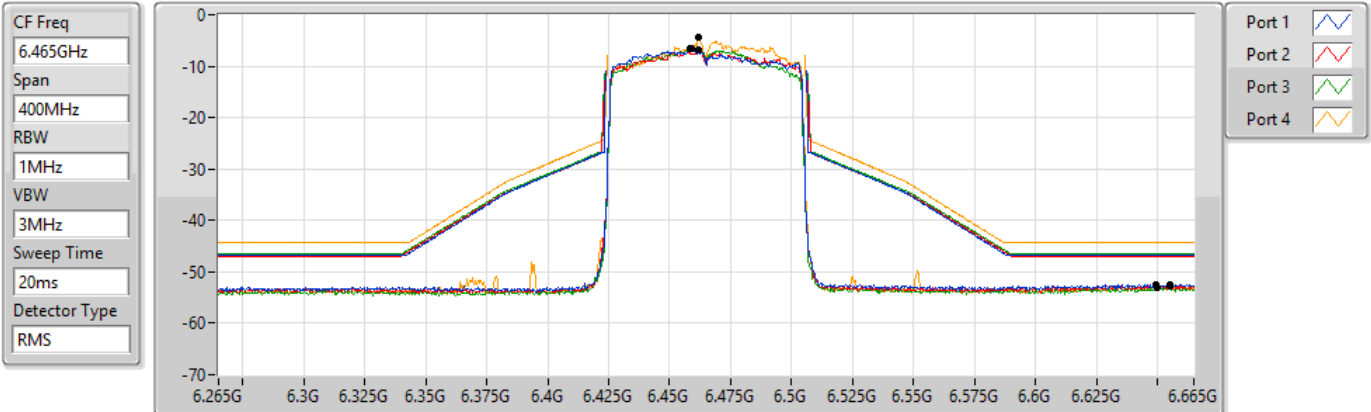


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

6465MHz_TnomVnom

16/03/2022



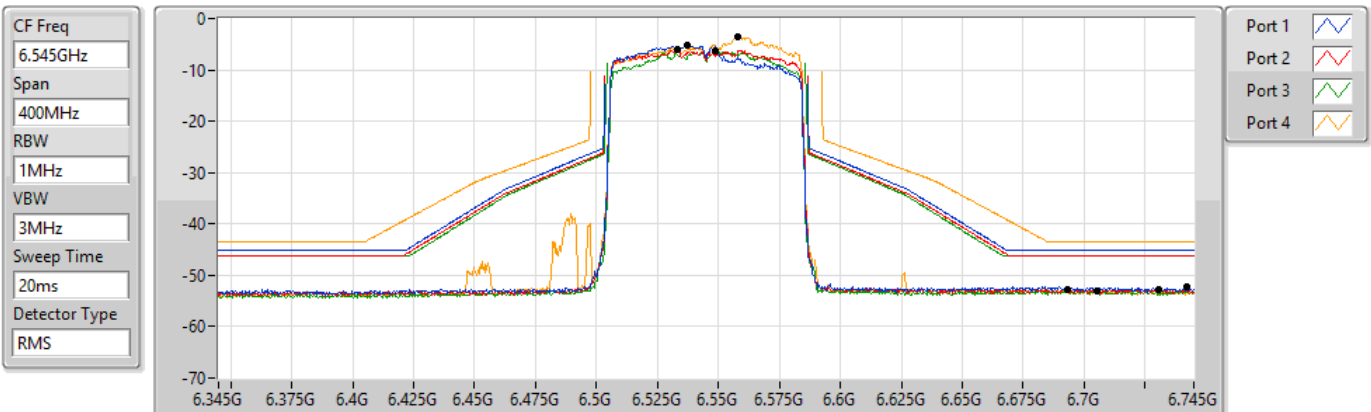
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.459G	-6.67	6.6494G	-52.39	-46.67	-5.72	1
6.4618G	-6.90	6.655G	-52.63	-46.90	-5.73	2
6.4582G	-6.61	6.6502G	-53.05	-46.61	-6.44	3
6.4618G	-4.27	6.655G	-52.86	-44.27	-8.59	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

6545MHz Straddle 6.425-6.525GHz_TnomVnom

16/03/2022



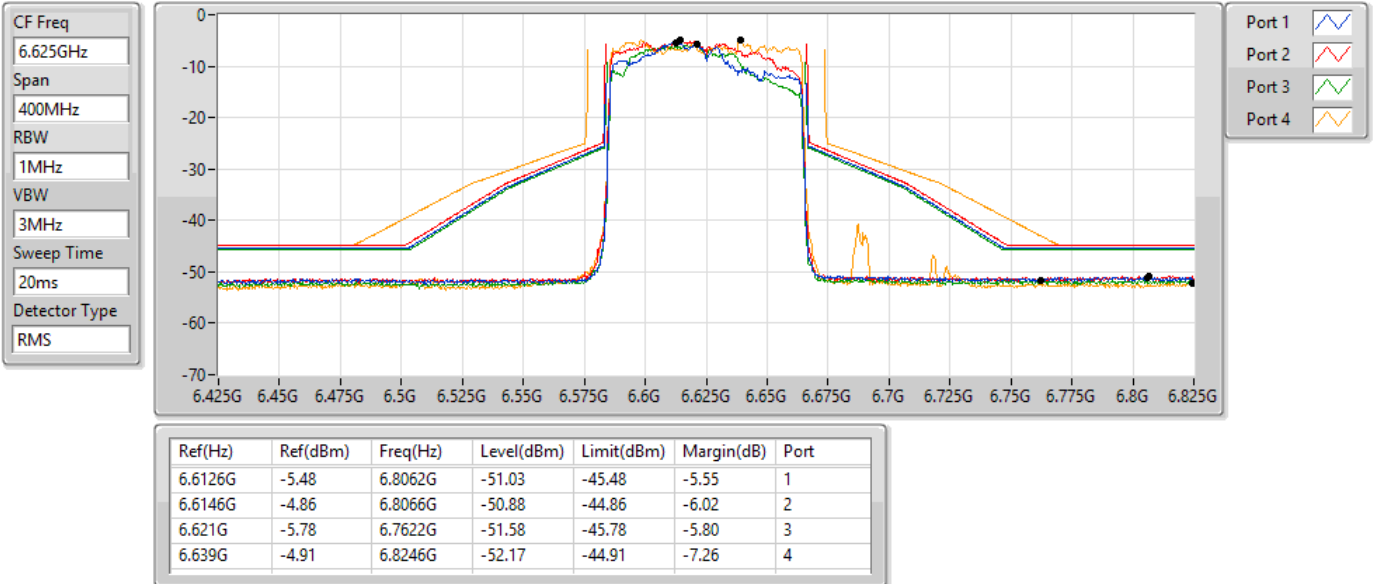
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.5374G	-5.25	6.7422G	-52.26	-45.25	-7.01	1
6.5334G	-6.14	6.7306G	-52.71	-46.14	-6.57	2
6.5486G	-6.31	6.7054G	-52.92	-46.31	-6.61	3
6.5578G	-3.61	6.6934G	-52.84	-43.61	-9.23	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

6625MHz_TnomVnom

16/03/2022

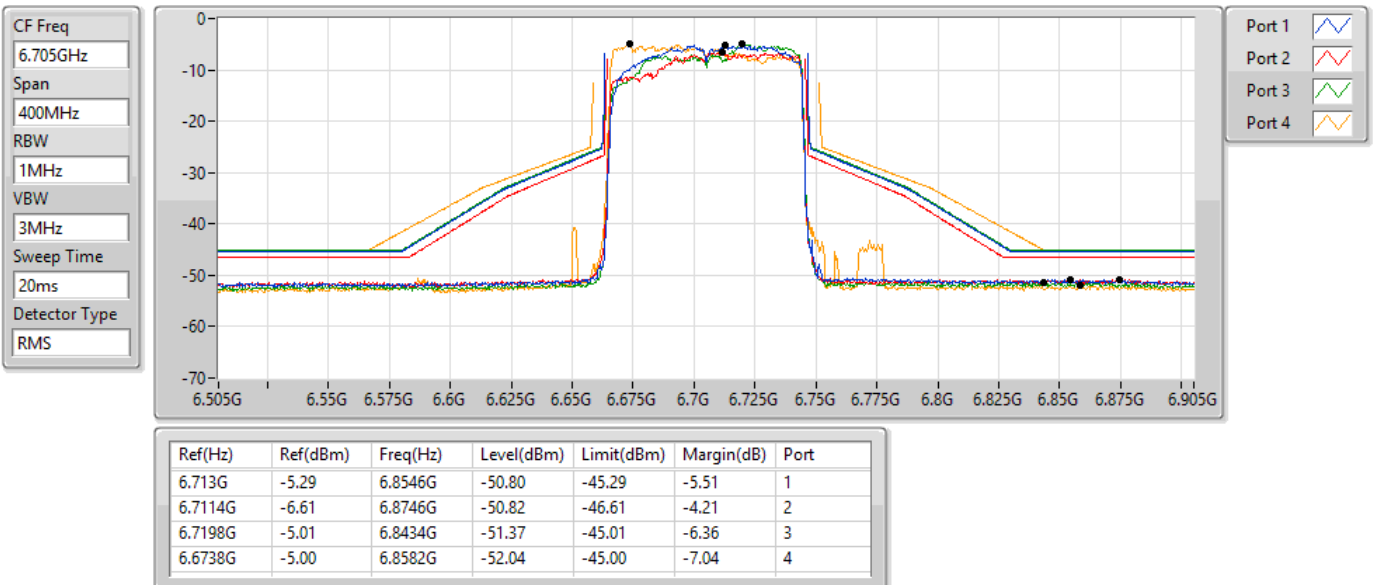


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

6705MHz_TnomVnom

16/03/2022

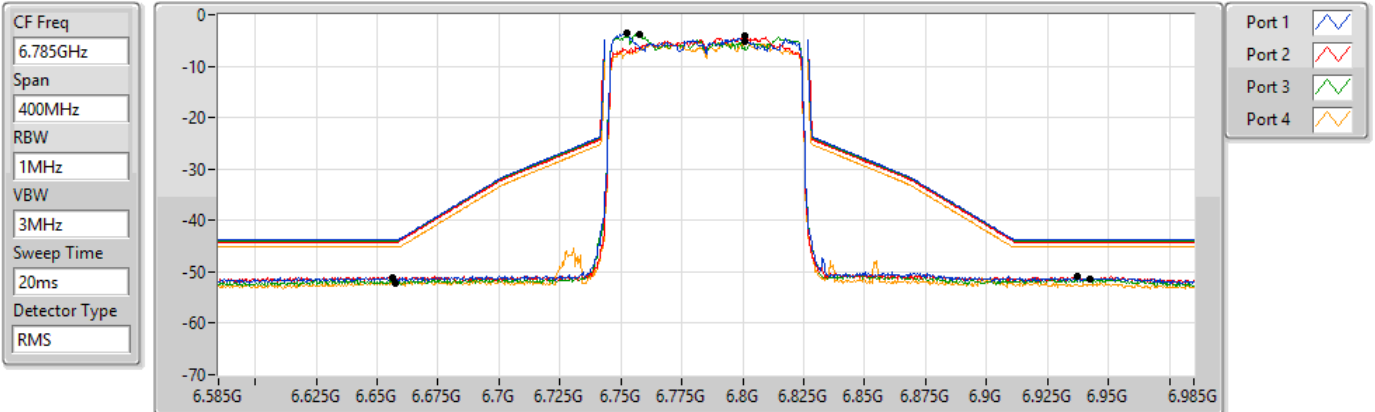


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

6785MHz_TnomVnom

16/03/2022



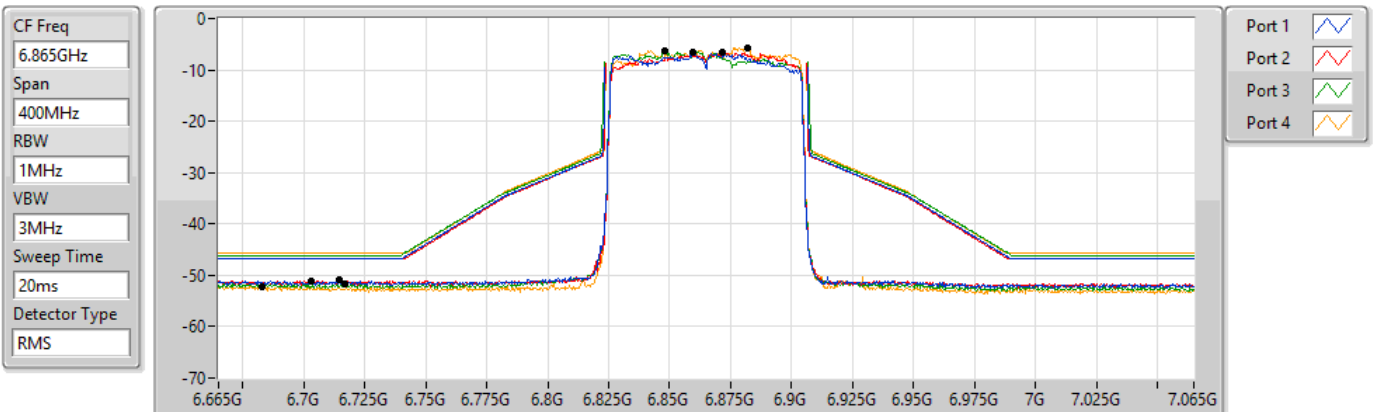
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.7526G	-3.66	6.6562G	-51.05	-43.66	-7.39	1
6.8006G	-4.22	6.937G	-50.94	-44.22	-6.72	2
6.7574G	-3.89	6.9422G	-51.34	-43.89	-7.45	3
6.801G	-5.11	6.6574G	-52.09	-45.11	-6.98	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

6865MHz Straddle 6.525-6.875GHz_TnomVnom

16/03/2022



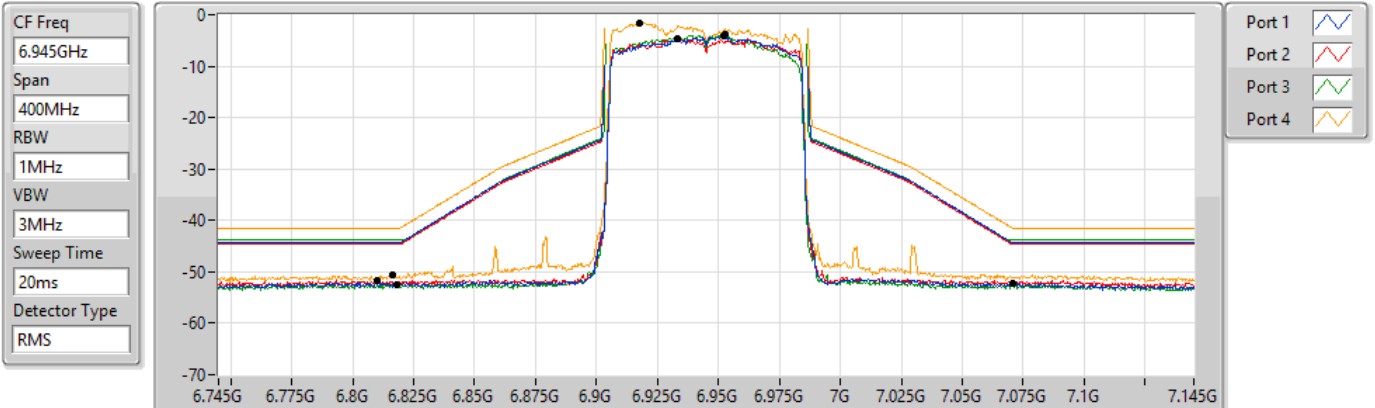
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.8598G	-6.64	6.7146G	-50.96	-46.64	-4.32	1
6.8718G	-6.67	6.703G	-51.00	-46.67	-4.33	2
6.8478G	-6.21	6.7166G	-51.57	-46.21	-5.36	3
6.8818G	-5.62	6.683G	-52.16	-45.62	-6.54	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

6945MHz_TnomVnom

16/03/2022



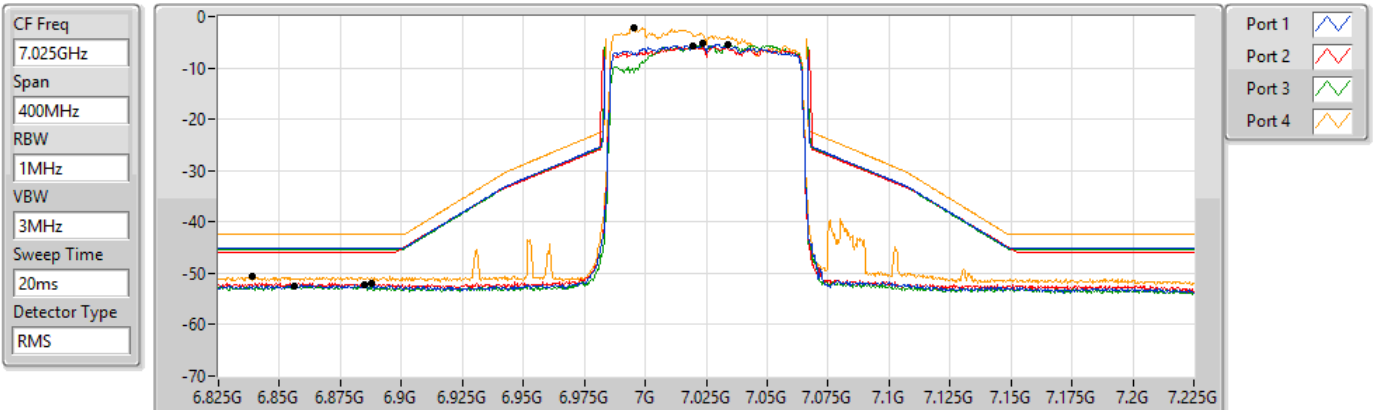
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.9522G	-4.23	7.0706G	-52.15	-44.23	-7.92	1
6.9334G	-4.57	6.8102G	-51.78	-44.57	-7.21	2
6.953G	-3.83	6.8182G	-52.50	-43.83	-8.67	3
6.9178G	-1.58	6.8162G	-50.68	-41.58	-9.10	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

7025MHz_TnomVnom

16/03/2022



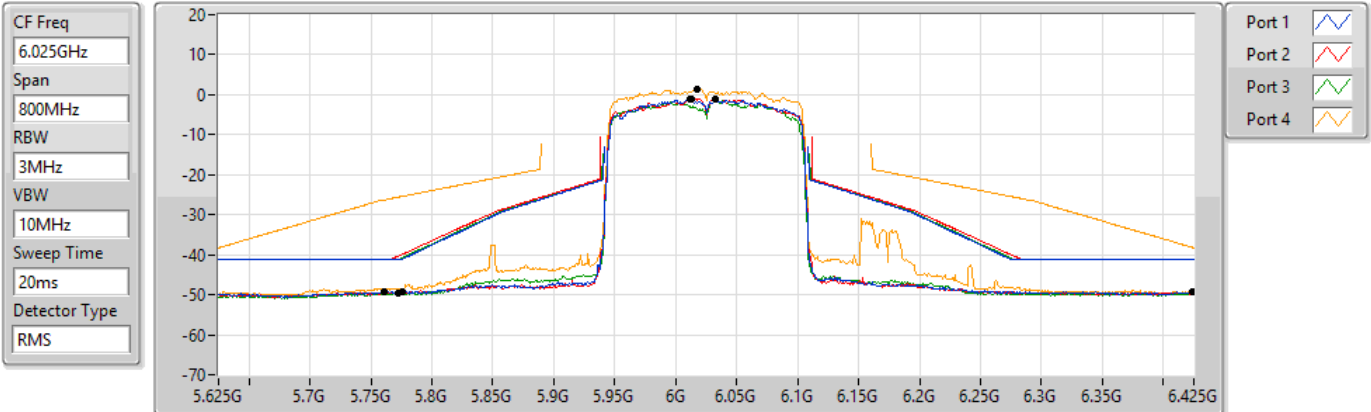
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
7.0238G	-5.21	6.8846G	-52.19	-45.21	-6.98	1
7.0198G	-5.82	6.8878G	-51.90	-45.82	-6.08	2
7.0338G	-5.49	6.8558G	-52.37	-45.49	-6.88	3
6.9954G	-2.29	6.8386G	-50.62	-42.29	-8.33	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

MASK

6025MHz_TnomVnom

16/03/2022



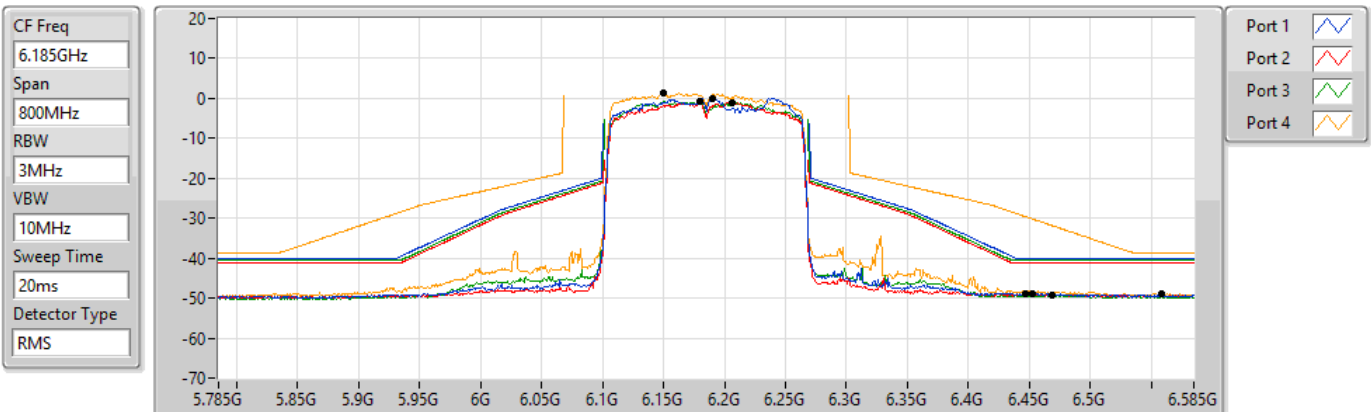
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.0114G	-1.20	5.7754G	-49.11	-41.11	-8.00	1
6.013G	-1.08	5.761G	-49.35	-41.08	-8.27	2
6.0322G	-1.20	5.7722G	-49.60	-41.20	-8.40	3
6.017G	1.41	6.4242G	-49.28	-38.20	-11.08	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

MASK

6185MHz_TnomVnom

16/03/2022



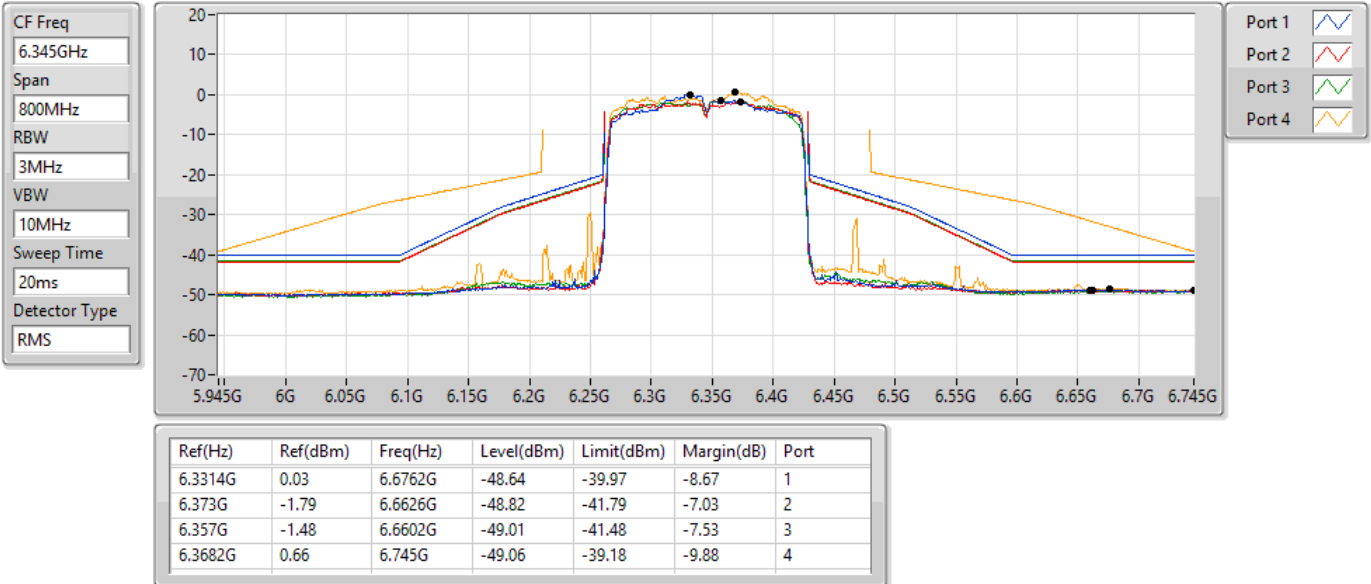
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.1906G	0.04	6.453G	-48.86	-39.96	-8.90	1
6.2058G	-1.08	6.4474G	-49.08	-41.08	-8.00	2
6.1802G	-0.63	6.4682G	-49.28	-40.63	-8.65	3
6.1498G	1.32	6.5586G	-48.77	-38.68	-10.09	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

MASK

6345MHz_TnomVnom

16/03/2022

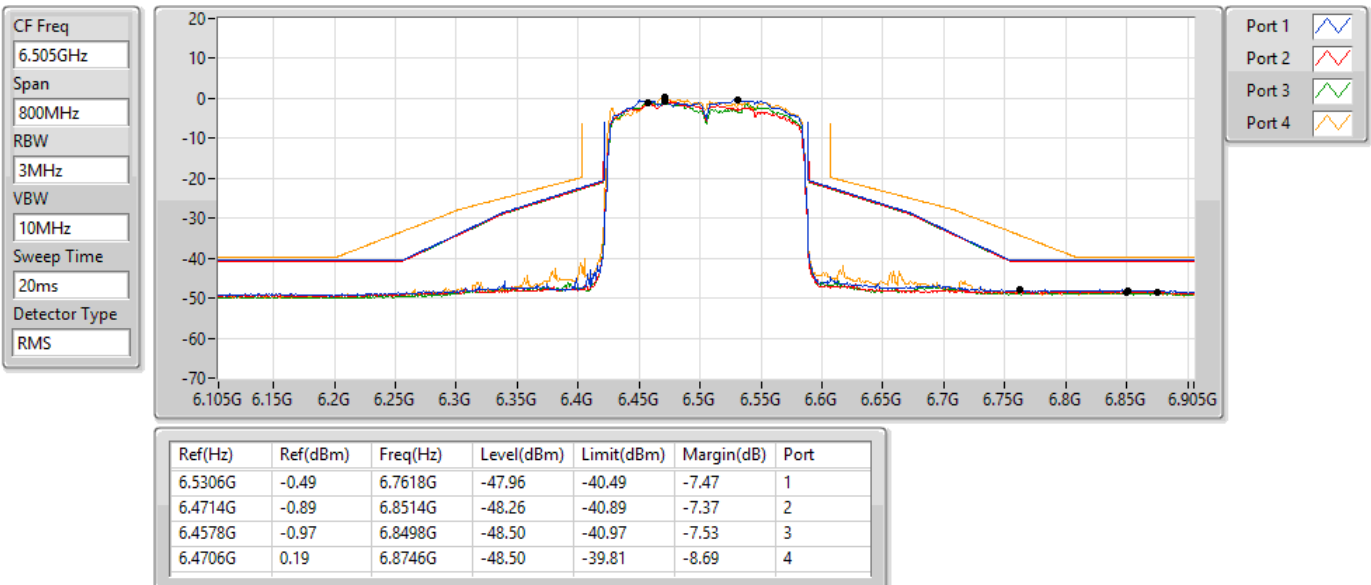


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

MASK

6505MHz Straddle 6.425-6.525GHz_TnomVnom

16/03/2022

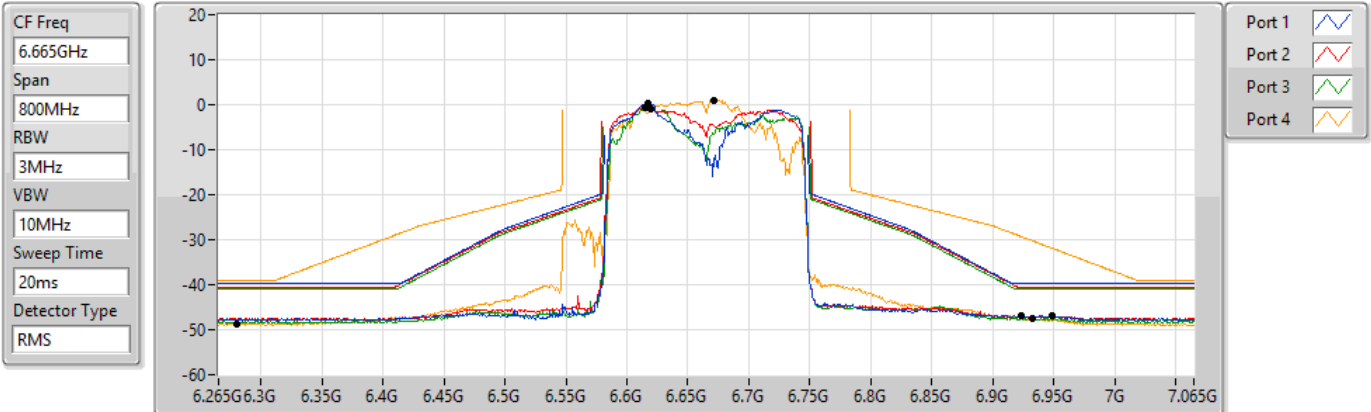


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

MASK

6665MHz_TnomVnom

16/03/2022



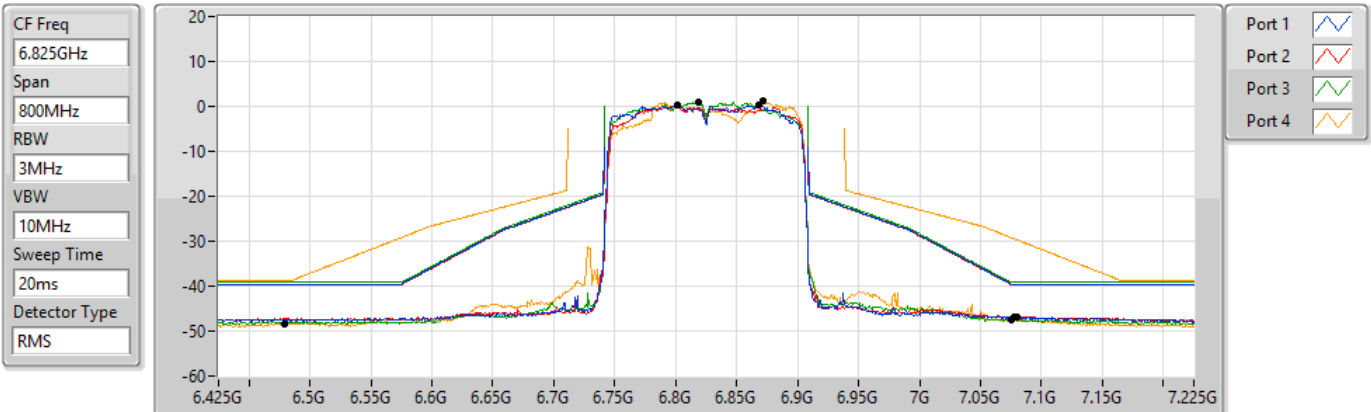
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.6178G	0.25	6.9234G	-46.96	-39.75	-7.21	1
6.6146G	-0.67	6.9482G	-46.83	-40.67	-6.16	2
6.6194G	-0.98	6.933G	-47.42	-40.98	-6.44	3
6.6714G	1.09	6.2802G	-48.61	-38.91	-9.70	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

MASK

6825MHz Straddle 6.525-6.875GHz_TnomVnom

16/03/2022



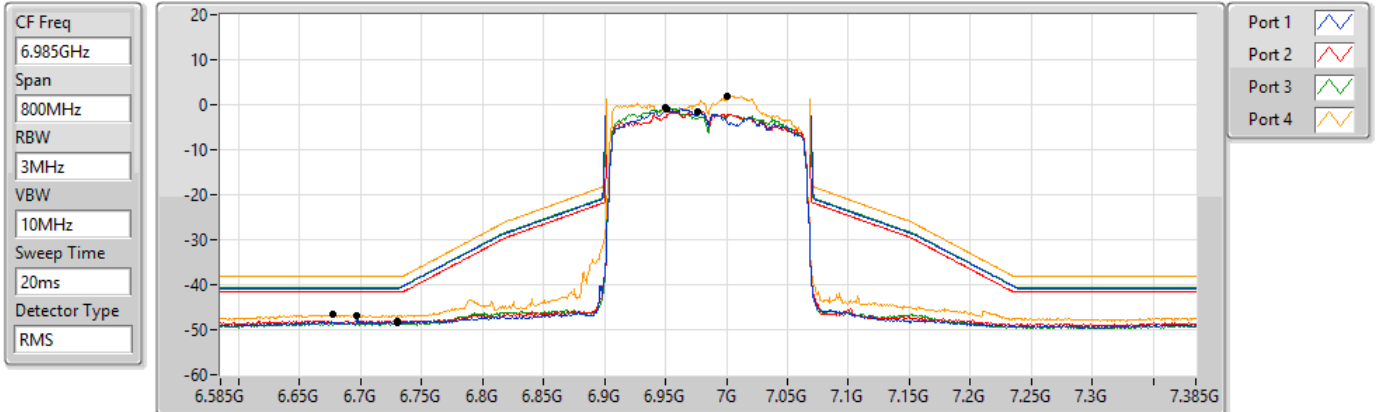
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.8682G	0.44	7.0778G	-46.87	-39.56	-7.31	1
6.801G	0.41	7.0794G	-46.84	-39.59	-7.25	2
6.8186G	0.89	7.0754G	-47.38	-39.11	-8.27	3
6.8714G	1.30	6.4794G	-48.29	-38.70	-9.59	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

MASK

6985MHz_TnomVnom

16/03/2022



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.9514G	-0.90	6.697G	-46.89	-40.90	-5.99	1
6.9762G	-1.65	6.7306G	-48.04	-41.65	-6.39	2
6.9498G	-0.67	6.7306G	-48.50	-40.67	-7.83	3
7.001G	1.99	6.677G	-46.69	-38.01	-8.68	4

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
5.925-6.425GHz	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	6.18149G	-9.80	6.2214G	-63.23	-49.80	-13.43	4
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	6.1686G	-7.73	6.2632G	-61.14	-47.73	-13.41	2
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	6.1434G	-4.78	6.3142G	-56.99	-44.78	-12.21	2
802.11ax HEW160_Nss1,(MCS0)_4TX	Pass	6.14184G	-0.82	6.437G	-52.04	-40.82	-11.22	4
6.425-6.525GHz	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	6.52369G	-8.72	6.4802G	-62.74	-48.72	-14.02	2
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	6.5232G	-6.80	6.4272G	-60.63	-46.80	-13.83	3
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	6.5402G	-3.56	6.4214G	-56.75	-43.56	-13.19	3
802.11ax HEW160_Nss1,(MCS0)_4TX	Pass	6.51779G	1.83	6.7554G	-51.46	-38.17	-13.29	3
6.525-6.875GHz	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	6.86631G	-8.20	6.9121G	-60.73	-48.20	-12.53	4
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	6.83721G	-6.11	6.912G	-58.86	-46.11	-12.75	4
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	6.77341G	-3.74	6.9558G	-55.72	-43.74	-11.98	3
802.11ax HEW160_Nss1,(MCS0)_4TX	Pass	6.69217G	0.22	6.9146G	-51.74	-39.78	-11.96	3
6.875-7.125GHz	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	7.12239G	-9.37	7.1595G	-62.87	-49.37	-13.50	3
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	6.99981G	-5.80	6.9118G	-58.67	-45.80	-12.87	4
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	6.95499G	-4.33	6.7878G	-56.51	-44.33	-12.18	2
802.11ax HEW160_Nss1,(MCS0)_4TX	Pass	6.99699G	-0.21	7.237G	-52.46	-40.21	-12.25	2



Result

Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.96419G	-7.27	5.9094G	-63.57	-47.27	-16.30	1
5955MHz	Pass	5.96399G	-8.59	5.9961G	-63.77	-48.59	-15.18	2
5955MHz	Pass	5.94781G	-7.67	5.9939G	-63.72	-47.67	-16.05	3
5955MHz	Pass	5.94871G	-8.16	5.9953G	-63.47	-48.16	-15.31	4
6175MHz	Pass	6.16571G	-9.38	6.2154G	-63.46	-49.38	-14.08	1
6175MHz	Pass	6.18369G	-9.95	6.2233G	-63.41	-49.95	-13.46	2
6175MHz	Pass	6.16761G	-9.16	6.2217G	-63.54	-49.16	-14.38	3
6175MHz	Pass	6.18149G	-9.80	6.2214G	-63.23	-49.80	-13.43	4
6415MHz	Pass	6.42389G	-7.12	6.4608G	-62.78	-47.12	-15.66	1
6415MHz	Pass	6.40591G	-7.55	6.4647G	-62.97	-47.55	-15.42	2
6415MHz	Pass	6.40601G	-7.46	6.453G	-62.91	-47.46	-15.45	3
6415MHz	Pass	6.42229G	-7.36	6.4589G	-62.61	-47.36	-15.25	4
6435MHz	Pass	6.42621G	-6.97	6.4808G	-62.55	-46.97	-15.58	1
6435MHz	Pass	6.44409G	-7.75	6.4776G	-62.83	-47.75	-15.08	2
6435MHz	Pass	6.42611G	-7.28	6.4705G	-62.80	-47.28	-15.52	3
6435MHz	Pass	6.44239G	-7.24	6.4231G	-42.31	-27.26	-15.05	4
6475MHz	Pass	6.48419G	-6.93	6.5094G	-62.49	-46.93	-15.56	1
6475MHz	Pass	6.48419G	-7.34	6.509G	-62.73	-47.34	-15.39	2
6475MHz	Pass	6.46601G	-6.99	6.509G	-62.61	-46.99	-15.62	3
6475MHz	Pass	6.48199G	-6.97	6.509G	-62.36	-46.97	-15.39	4
6515MHz	Pass	6.50571G	-8.03	6.4801G	-62.63	-48.03	-14.60	1
6515MHz	Pass	6.52369G	-8.72	6.4802G	-62.74	-48.72	-14.02	2
6515MHz	Pass	6.50601G	-8.08	6.4747G	-62.78	-48.08	-14.70	3
6515MHz	Pass	6.52359G	-7.48	6.47G	-62.56	-47.48	-15.08	4
6535MHz	Pass	6.54419G	-7.49	6.4857G	-62.53	-47.49	-15.04	1
6535MHz	Pass	6.54089G	-8.68	6.4933G	-62.71	-48.68	-14.03	2
6535MHz	Pass	6.52651G	-8.10	6.4978G	-62.64	-48.10	-14.54	3
6535MHz	Pass	6.54349G	-7.52	6.4987G	-62.23	-47.52	-14.71	4
6695MHz	Pass	6.68621G	-8.14	6.7354G	-63.37	-48.14	-15.23	1
6695MHz	Pass	6.70409G	-8.15	6.738G	-63.52	-48.15	-15.37	2
6695MHz	Pass	6.70239G	-8.05	6.7355G	-63.43	-48.05	-15.38	3
6695MHz	Pass	6.70369G	-7.57	6.683G	-42.97	-27.59	-15.38	4
6855MHz	Pass	6.84571G	-8.30	6.9044G	-62.29	-48.30	-13.99	1
6855MHz	Pass	6.86339G	-8.46	6.9016G	-62.27	-48.46	-13.81	2
6855MHz	Pass	6.86359G	-8.33	6.9002G	-62.43	-48.33	-14.10	3
6855MHz	Pass	6.84631G	-8.08	6.8159G	-61.79	-48.08	-13.71	4
6875MHz Straddle 6.525-6.875GHz	Pass	6.88359G	-8.56	6.909G	-62.23	-48.56	-13.67	1
6875MHz Straddle 6.525-6.875GHz	Pass	6.88409G	-8.40	6.9192G	-62.31	-48.40	-13.91	2
6875MHz Straddle 6.525-6.875GHz	Pass	6.88249G	-8.55	6.9246G	-62.19	-48.55	-13.64	3
6875MHz Straddle 6.525-6.875GHz	Pass	6.86631G	-8.20	6.9121G	-60.73	-48.20	-12.53	4
6875MHz Straddle 6.875-7.125GHz								
6895MHz	Pass	6.90369G	-7.60	6.9414G	-61.68	-47.60	-14.08	1
6895MHz	Pass	6.88581G	-7.75	6.9384G	-61.88	-47.75	-14.13	2
6895MHz	Pass	6.90349G	-7.83	6.9437G	-61.78	-47.83	-13.95	3
6895MHz	Pass	6.88581G	-7.51	6.9409G	-61.65	-47.51	-14.14	4
6995MHz	Pass	7.00239G	-7.53	6.9601G	-61.53	-47.53	-14.00	1
6995MHz	Pass	6.98751G	-7.76	6.96G	-61.80	-47.76	-14.04	2
6995MHz	Pass	6.98571G	-7.47	6.9567G	-61.80	-47.47	-14.33	3
6995MHz	Pass	6.98881G	-7.28	6.9614G	-61.62	-47.28	-14.34	4
7095MHz	Pass	7.08581G	-7.80	7.1309G	-62.67	-47.80	-14.87	1
7095MHz	Pass	7.08631G	-7.58	7.1355G	-62.81	-47.58	-15.23	2
7095MHz	Pass	7.08591G	-8.77	7.1396G	-62.88	-48.77	-14.11	3
7095MHz	Pass	7.08771G	-8.04	7.1358G	-62.76	-48.04	-14.72	4
7115MHz	Pass	7.10611G	-8.57	7.1566G	-62.58	-48.57	-14.01	1

Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
7115MHz	Pass	7.10631G	-8.80	7.1517G	-62.86	-48.80	-14.06	2
7115MHz	Pass	7.12239G	-9.37	7.1595G	-62.87	-49.37	-13.50	3
7115MHz	Pass	7.10631G	-8.46	7.1648G	-62.50	-48.46	-14.04	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5965MHz	Pass	5.9634G	-5.61	6.062G	-61.21	-45.61	-15.60	1
5965MHz	Pass	5.966G	-6.32	6.0562G	-61.42	-46.32	-15.10	2
5965MHz	Pass	5.9624G	-5.63	6.0638G	-61.19	-45.63	-15.56	3
5965MHz	Pass	5.9638G	-5.94	6.048G	-60.84	-45.94	-14.90	4
6165MHz	Pass	6.15881G	-7.40	6.2472G	-60.98	-47.40	-13.58	1
6165MHz	Pass	6.1686G	-7.73	6.2632G	-61.14	-47.73	-13.41	2
6165MHz	Pass	6.1638G	-7.42	6.2638G	-61.03	-47.42	-13.61	3
6165MHz	Pass	6.1674G	-7.21	6.24G	-60.65	-47.21	-13.44	4
6405MHz	Pass	6.401G	-5.83	6.5008G	-60.38	-45.83	-14.55	1
6405MHz	Pass	6.4076G	-6.05	6.5042G	-60.51	-46.05	-14.46	2
6405MHz	Pass	6.4004G	-6.10	6.5038G	-60.27	-46.10	-14.17	3
6405MHz	Pass	6.4098G	-5.62	6.5032G	-60.11	-45.62	-14.49	4
6445MHz	Pass	6.43481G	-5.28	6.5098G	-60.28	-45.28	-15.00	1
6445MHz	Pass	6.4464G	-5.42	6.5086G	-60.34	-45.42	-14.92	2
6445MHz	Pass	6.4414G	-5.86	6.5074G	-60.20	-45.86	-14.34	3
6445MHz	Pass	6.43741G	-5.89	6.508G	-60.01	-45.89	-14.12	4
6485MHz	Pass	6.489G	-6.41	6.4206G	-60.59	-46.41	-14.18	1
6485MHz	Pass	6.4868G	-6.49	6.3866G	-60.83	-46.49	-14.34	2
6485MHz	Pass	6.48G	-6.66	6.4098G	-60.72	-46.66	-14.06	3
6485MHz	Pass	6.49059G	-6.32	6.4034G	-60.51	-46.32	-14.19	4
6525MHz Straddle 6.425-6.525GHz	Pass	6.53319G	-6.06	6.4558G	-60.45	-46.06	-14.39	1
6525MHz Straddle 6.425-6.525GHz	Pass	6.5274G	-6.39	6.4598G	-60.66	-46.39	-14.27	2
6525MHz Straddle 6.425-6.525GHz	Pass	6.5232G	-6.80	6.4272G	-60.63	-46.80	-13.83	3
6525MHz Straddle 6.425-6.525GHz	Pass	6.5288G	-5.88	6.624G	-60.13	-45.88	-14.25	4
6525MHz Straddle 6.525-6.875GHz								
6565MHz	Pass	6.55921G	-6.75	6.5028G	-60.34	-46.75	-13.59	1
6565MHz	Pass	6.5684G	-7.06	6.5002G	-60.38	-47.06	-13.32	2
6565MHz	Pass	6.55901G	-7.06	6.5044G	-60.39	-47.06	-13.33	3
6565MHz	Pass	6.57079G	-7.06	6.492G	-60.30	-47.06	-13.24	4
6685MHz	Pass	6.6886G	-6.25	6.7738G	-60.75	-46.25	-14.50	1
6685MHz	Pass	6.69099G	-6.57	6.7738G	-60.93	-46.57	-14.36	2
6685MHz	Pass	6.69219G	-6.58	6.7796G	-60.90	-46.58	-14.32	3
6685MHz	Pass	6.69199G	-6.18	6.624G	-60.22	-46.18	-14.04	4
6845MHz	Pass	6.8488G	-5.96	6.9382G	-59.69	-45.96	-13.73	1
6845MHz	Pass	6.85379G	-6.46	6.9376G	-59.75	-46.46	-13.29	2
6845MHz	Pass	6.85139G	-6.19	6.945G	-59.67	-46.19	-13.48	3
6845MHz	Pass	6.83721G	-6.11	6.912G	-58.86	-46.11	-12.75	4
6885MHz Straddle 6.525-6.875GHz	Pass	6.8876G	-5.81	6.982G	-59.38	-45.81	-13.57	1
6885MHz Straddle 6.525-6.875GHz	Pass	6.89259G	-6.34	6.9788G	-59.52	-46.34	-13.18	2
6885MHz Straddle 6.525-6.875GHz	Pass	6.89079G	-6.03	6.9832G	-59.54	-46.03	-13.51	3
6885MHz Straddle 6.525-6.875GHz	Pass	6.87881G	-5.72	6.9724G	-59.35	-45.72	-13.63	4
6885MHz Straddle 6.875-7.125GHz								
6925MHz	Pass	6.9268G	-3.81	6.9904G	-58.83	-43.81	-15.02	1
6925MHz	Pass	6.91541G	-3.89	6.998G	-59.01	-43.89	-15.12	2
6925MHz	Pass	6.9264G	-4.52	6.986G	-59.02	-44.52	-14.50	3
6925MHz	Pass	6.91581G	-4.45	6.9912G	-59.01	-44.45	-14.56	4
7005MHz	Pass	7.006G	-5.70	6.9342G	-59.16	-45.70	-13.46	1
7005MHz	Pass	6.99761G	-6.16	6.9442G	-59.35	-46.16	-13.19	2
7005MHz	Pass	7.01039G	-6.24	6.9388G	-59.40	-46.24	-13.16	3
7005MHz	Pass	6.99981G	-5.80	6.9118G	-58.67	-45.80	-12.87	4
7085MHz	Pass	7.0872G	-4.81	6.9906G	-58.80	-44.81	-13.99	1
7085MHz	Pass	7.07761G	-5.34	7.0006G	-59.01	-45.34	-13.67	2

Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
7085MHz	Pass	7.09099G	-5.27	6.9888G	-58.90	-45.27	-13.63	3
7085MHz	Pass	7.08G	-4.93	6.9902G	-58.86	-44.93	-13.93	4
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5985MHz	Pass	5.97901G	-2.58	5.8262G	-56.27	-42.58	-13.69	1
5985MHz	Pass	5.9814G	-3.06	6.1502G	-56.92	-43.06	-13.86	2
5985MHz	Pass	5.9818G	-2.69	5.8442G	-56.35	-42.69	-13.66	3
5985MHz	Pass	5.9822G	-3.08	6.1398G	-56.66	-43.08	-13.58	4
6145MHz	Pass	6.141G	-4.43	6.3138G	-56.83	-44.43	-12.40	1
6145MHz	Pass	6.1434G	-4.78	6.3142G	-56.99	-44.78	-12.21	2
6145MHz	Pass	6.1426G	-4.63	6.2962G	-57.00	-44.63	-12.37	3
6145MHz	Pass	6.143G	-4.18	6.3266G	-56.58	-44.18	-12.40	4
6385MHz	Pass	6.39499G	-2.86	6.509G	-56.54	-42.86	-13.68	1
6385MHz	Pass	6.3874G	-3.86	6.509G	-56.92	-43.86	-13.06	2
6385MHz	Pass	6.3822G	-3.52	6.5086G	-56.52	-43.52	-13.00	3
6385MHz	Pass	6.37021G	-3.44	6.5086G	-56.34	-43.42	-12.92	4
6465MHz	Pass	6.45701G	-2.49	6.331G	-56.11	-42.49	-13.62	1
6465MHz	Pass	6.4678G	-2.99	6.3338G	-56.40	-42.99	-13.41	2
6465MHz	Pass	6.45981G	-2.93	6.3378G	-56.38	-42.93	-13.45	3
6465MHz	Pass	6.4694G	-2.35	6.317G	-56.08	-42.35	-13.73	4
6545MHz Straddle 6.425-6.525GHz	Pass	6.55459G	-3.08	6.4126G	-56.60	-43.08	-13.52	1
6545MHz Straddle 6.425-6.525GHz	Pass	6.547G	-3.26	6.4038G	-56.59	-43.26	-13.33	2
6545MHz Straddle 6.425-6.525GHz	Pass	6.5402G	-3.56	6.4214G	-56.75	-43.56	-13.19	3
6545MHz Straddle 6.425-6.525GHz	Pass	6.55139G	-2.93	6.4202G	-56.51	-42.93	-13.58	4
6545MHz Straddle 6.525-6.875GHz								
6625MHz	Pass	6.61701G	-2.58	6.4738G	-55.93	-42.58	-13.35	1
6625MHz	Pass	6.63379G	-2.93	6.4978G	-55.93	-42.93	-13.00	2
6625MHz	Pass	6.63339G	-3.06	6.4918G	-55.90	-43.06	-12.84	3
6625MHz	Pass	6.63299G	-2.47	6.477G	-56.29	-42.47	-13.82	4
6705MHz	Pass	6.71499G	-2.94	6.879G	-56.23	-42.94	-13.29	1
6705MHz	Pass	6.71459G	-3.41	6.8982G	-56.40	-43.41	-12.99	2
6705MHz	Pass	6.71379G	-3.47	6.887G	-56.38	-43.47	-12.91	3
6705MHz	Pass	6.71379G	-2.91	6.8966G	-56.19	-42.91	-13.28	4
6785MHz	Pass	6.7898G	-3.37	6.9546G	-55.93	-43.37	-12.56	1
6785MHz	Pass	6.79339G	-3.69	6.9394G	-56.09	-43.69	-12.40	2
6785MHz	Pass	6.77341G	-3.74	6.9558G	-55.72	-43.74	-11.98	3
6785MHz	Pass	6.79539G	-3.10	6.9122G	-55.40	-43.10	-12.30	4
6865MHz Straddle 6.525-6.875GHz	Pass	6.87179G	-2.48	7.009G	-55.43	-42.48	-12.95	1
6865MHz Straddle 6.525-6.875GHz	Pass	6.87459G	-3.23	6.9954G	-55.59	-43.23	-12.36	2
6865MHz Straddle 6.525-6.875GHz	Pass	6.87179G	-3.14	7.0094G	-55.53	-43.14	-12.39	3
6865MHz Straddle 6.525-6.875GHz	Pass	6.85901G	-2.54	7.0082G	-55.48	-42.54	-12.94	4
6865MHz Straddle 6.875-7.125GHz								
6945MHz	Pass	6.9474G	-3.76	6.8178G	-56.06	-43.76	-12.30	1
6945MHz	Pass	6.95499G	-4.33	6.7878G	-56.51	-44.33	-12.18	2
6945MHz	Pass	6.93301G	-4.21	6.8086G	-56.45	-44.21	-12.24	3
6945MHz	Pass	6.93901G	-3.72	6.8158G	-56.24	-43.72	-12.52	4
7025MHz	Pass	7.027G	-2.15	6.8834G	-54.92	-42.15	-12.77	1
7025MHz	Pass	7.01581G	-2.81	6.8978G	-55.42	-42.81	-12.61	2
7025MHz	Pass	7.01141G	-2.88	6.8718G	-55.08	-42.88	-12.20	3
7025MHz	Pass	7.0218G	-2.32	6.8778G	-55.26	-42.32	-12.94	4
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
6025MHz	Pass	6.00342G	0.76	6.277G	-52.44	-39.24	-13.20	1
6025MHz	Pass	6.00262G	0.52	6.2914G	-52.63	-39.48	-13.15	2
6025MHz	Pass	6.00262G	0.86	6.2778G	-52.22	-39.14	-13.08	3
6025MHz	Pass	6.04258G	0.68	6.2754G	-52.04	-39.32	-12.72	4
6185MHz	Pass	6.15783G	-0.53	6.4346G	-52.28	-40.50	-11.78	1
6185MHz	Pass	6.20818G	-0.90	6.4474G	-52.77	-40.90	-11.87	2

Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
6185MHz	Pass	6.16262G	-1.00	6.4362G	-52.48	-41.00	-11.48	3
6185MHz	Pass	6.14184G	-0.82	6.437G	-52.04	-40.82	-11.22	4
6345MHz	Pass	6.33861G	0.95	6.5962G	-52.89	-39.05	-13.84	1
6345MHz	Pass	6.32742G	0.18	6.0938G	-53.17	-39.82	-13.35	2
6345MHz	Pass	6.35859G	0.54	6.5954G	-52.86	-39.46	-13.40	3
6345MHz	Pass	6.32902G	1.21	6.093G	-52.81	-38.79	-14.02	4
6505MHz Straddle 6.425-6.525GHz	Pass	6.51619G	2.36	6.2546G	-50.97	-37.64	-13.33	1
6505MHz Straddle 6.425-6.525GHz	Pass	6.49061G	2.02	6.2554G	-51.42	-37.98	-13.44	2
6505MHz Straddle 6.425-6.525GHz	Pass	6.51779G	1.83	6.7554G	-51.46	-38.17	-13.29	3
6505MHz Straddle 6.425-6.525GHz	Pass	6.51219G	2.30	6.7554G	-51.00	-37.70	-13.30	4
6505MHz Straddle 6.525-6.875GHz								
6665MHz	Pass	6.63543G	0.73	6.9162G	-51.78	-39.27	-12.51	1
6665MHz	Pass	6.63463G	0.65	6.9154G	-51.79	-39.35	-12.44	2
6665MHz	Pass	6.69217G	0.22	6.9146G	-51.74	-39.78	-11.96	3
6665MHz	Pass	6.63303G	0.84	6.9514G	-51.63	-39.16	-12.47	4
6825MHz Straddle 6.525-6.875GHz	Pass	6.81141G	1.55	6.577G	-51.91	-38.45	-13.46	1
6825MHz Straddle 6.525-6.875GHz	Pass	6.81461G	1.49	6.509G	-52.50	-38.51	-13.99	2
6825MHz Straddle 6.525-6.875GHz	Pass	6.81221G	1.11	6.5746G	-52.36	-38.89	-13.47	3
6825MHz Straddle 6.525-6.875GHz	Pass	6.81541G	1.64	6.5058G	-52.24	-38.36	-13.88	4
6825MHz Straddle 6.875-7.125GHz								
6985MHz	Pass	6.95143G	0.46	6.7346G	-52.06	-39.54	-12.52	1
6985MHz	Pass	6.99699G	-0.21	7.237G	-52.46	-40.21	-12.25	2
6985MHz	Pass	6.97221G	0.24	6.733G	-52.18	-39.76	-12.42	3
6985MHz	Pass	7.00018G	0.20	7.2426G	-52.18	-39.80	-12.38	4

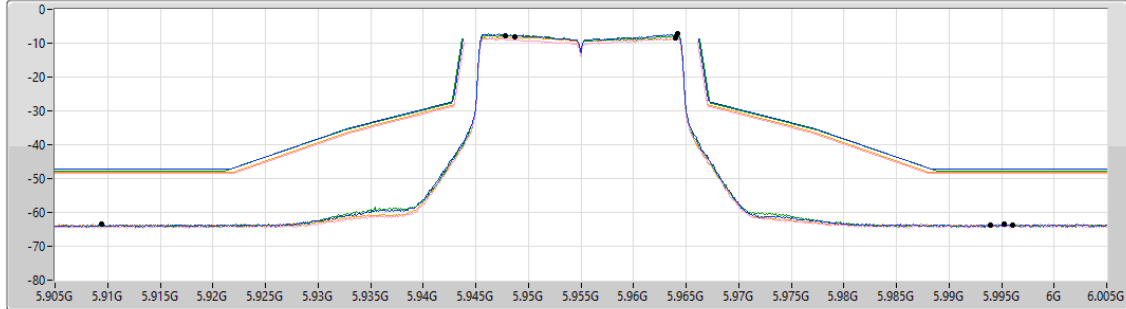
5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

MASK

5955MHz_TX

21/11/2022

CF Freq
5.955GHz
Span
100MHz
RBW
300kHz
VBW
1MHz
Sweep Time
20ms
Detector Type
RMS



Port 1
Port 2
Port 3
Port 4

Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.96419G	-7.27	5.9094G	-63.57	-47.27	-16.30	1
5.96399G	-8.59	5.9961G	-63.77	-48.59	-15.18	2
5.94781G	-7.67	5.9939G	-63.72	-47.67	-16.05	3
5.94871G	-8.16	5.9953G	-63.47	-48.16	-15.31	4

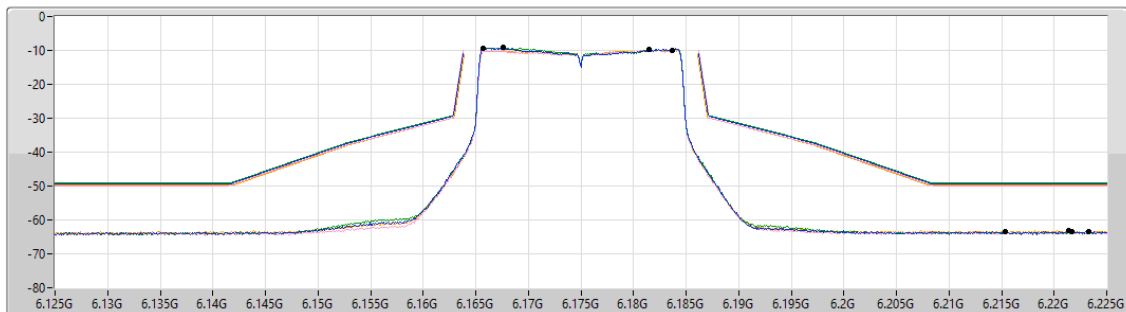
5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

MASK

6175MHz_TX

21/11/2022

CF Freq
6.175GHz
Span
100MHz
RBW
300kHz
VBW
1MHz
Sweep Time
20ms
Detector Type
RMS



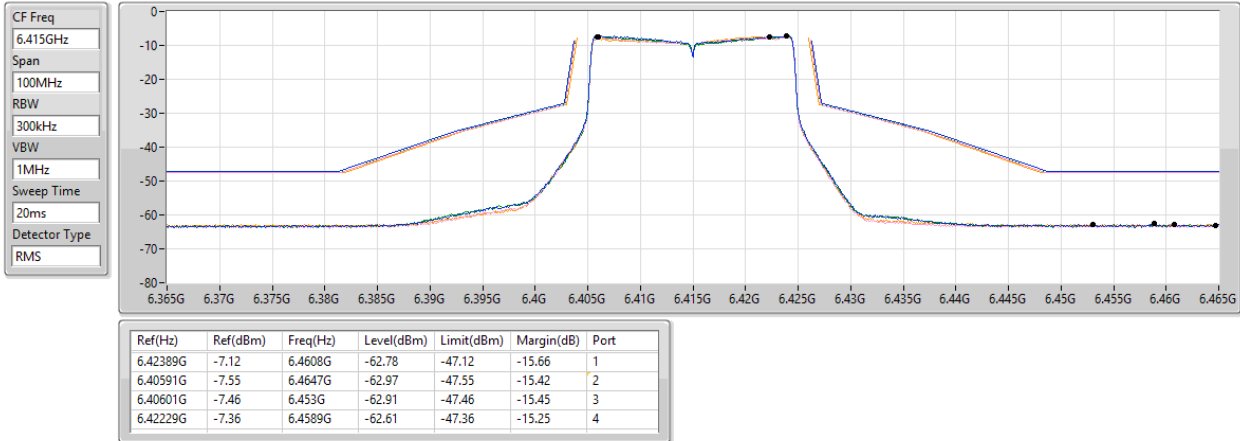
Port 1
Port 2
Port 3
Port 4

Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.16571G	-9.38	6.2154G	-63.46	-49.38	-14.08	1
6.18369G	-9.95	6.2233G	-63.41	-49.95	-13.46	2
6.16761G	-9.16	6.2217G	-63.54	-49.16	-14.38	3
6.18149G	-9.80	6.2214G	-63.23	-49.80	-13.43	4

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
6415MHz_TX

MASK

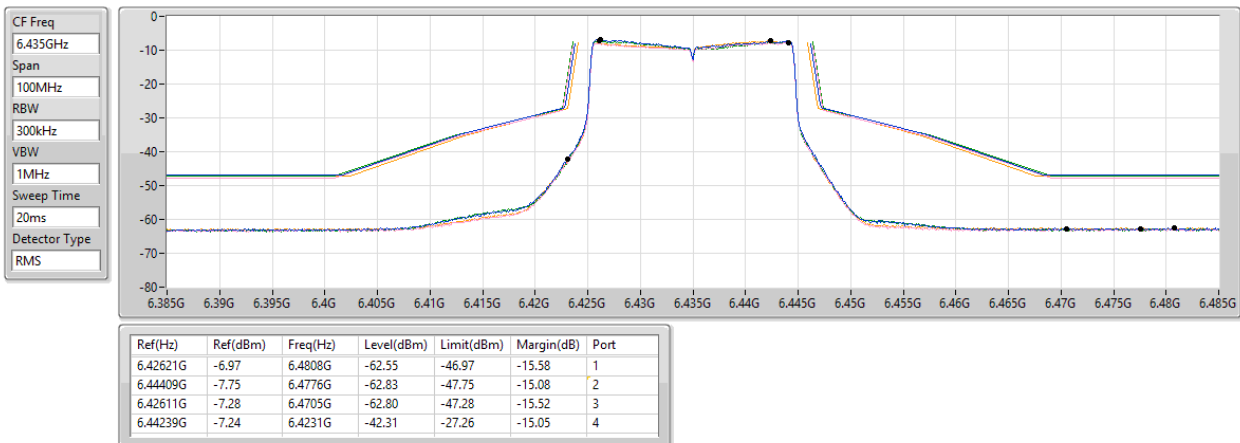
21/11/2022



6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
6435MHz_TX

MASK

21/11/2022



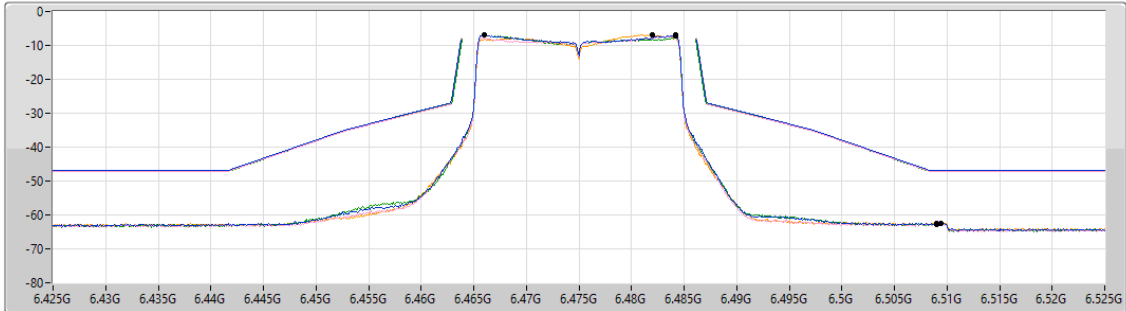
6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

MASK

6475MHz_TX

21/11/2022

CF Freq
6.475GHz
Span
100MHz
RBW
300kHz
VBW
1MHz
Sweep Time
20ms
Detector Type
RMS



Port 1
Port 2
Port 3
Port 4

Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.48419G	-6.93	6.5094G	-62.49	-46.93	-15.56	1
6.48419G	-7.34	6.509G	-62.73	-47.34	-15.39	2
6.46601G	-6.99	6.509G	-62.61	-46.99	-15.62	3
6.48199G	-6.97	6.509G	-62.36	-46.97	-15.39	4

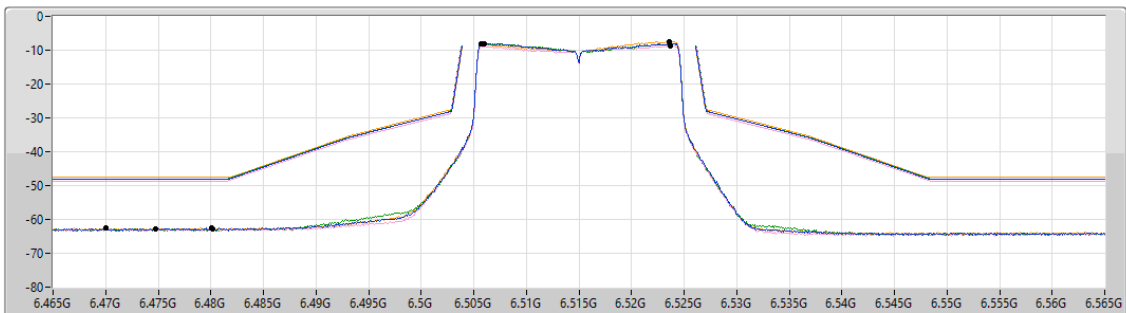
6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

MASK

6515MHz_TX

21/11/2022

CF Freq
6.515GHz
Span
100MHz
RBW
300kHz
VBW
1MHz
Sweep Time
20ms
Detector Type
RMS



Port 1
Port 2
Port 3
Port 4

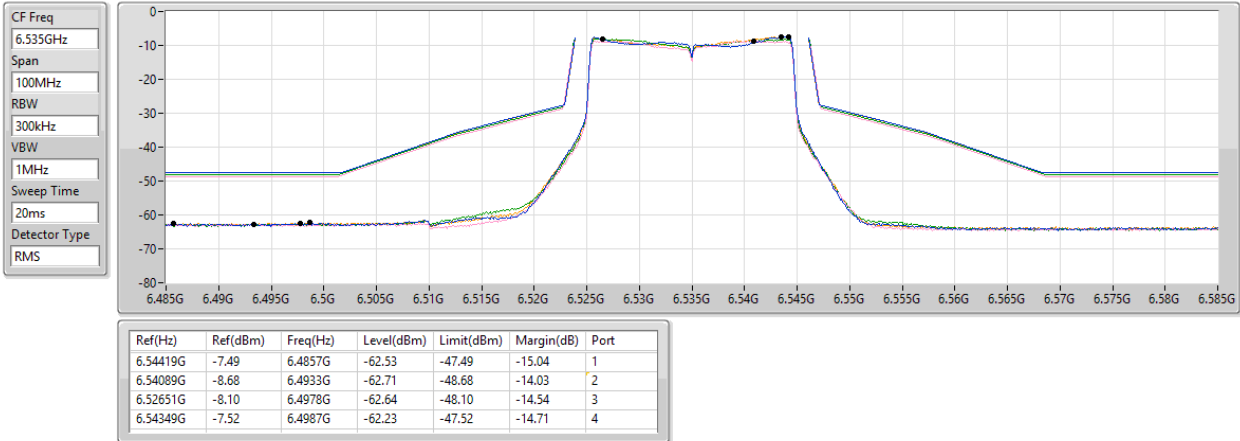
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.50571G	-8.03	6.4801G	-62.63	-48.03	-14.60	1
6.52369G	-8.72	6.4802G	-62.74	-48.72	-14.02	2
6.50601G	-8.08	6.4747G	-62.78	-48.08	-14.70	3
6.52359G	-7.48	6.47G	-62.56	-47.48	-15.08	4

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

MASK

6535MHz_TX

21/11/2022

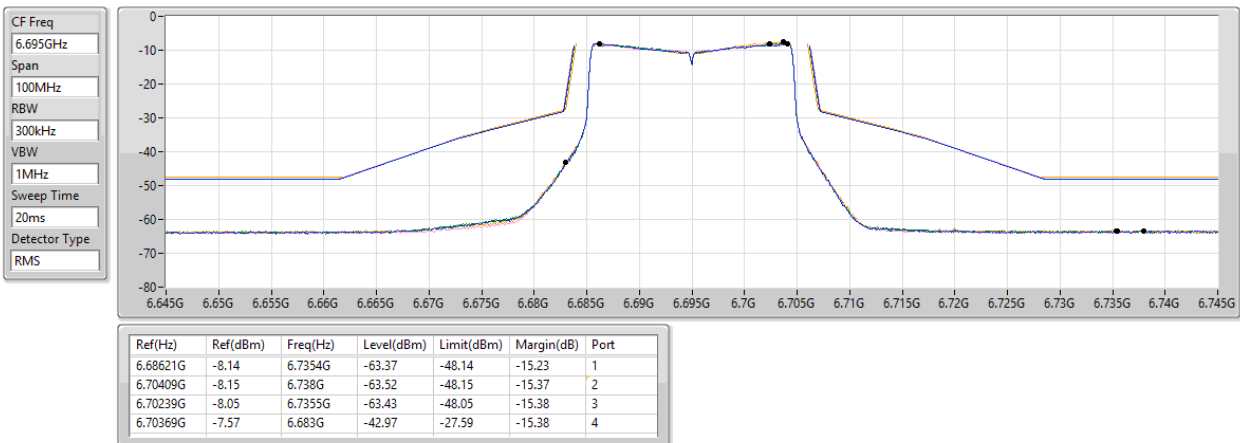


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

MASK

6695MHz_TX

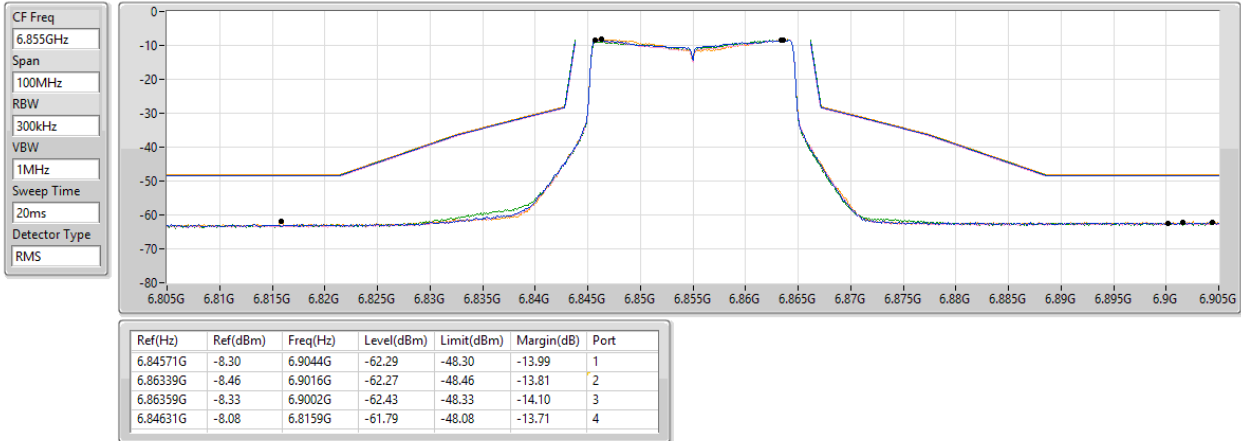
21/11/2022



6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
6855MHz_TX

MASK

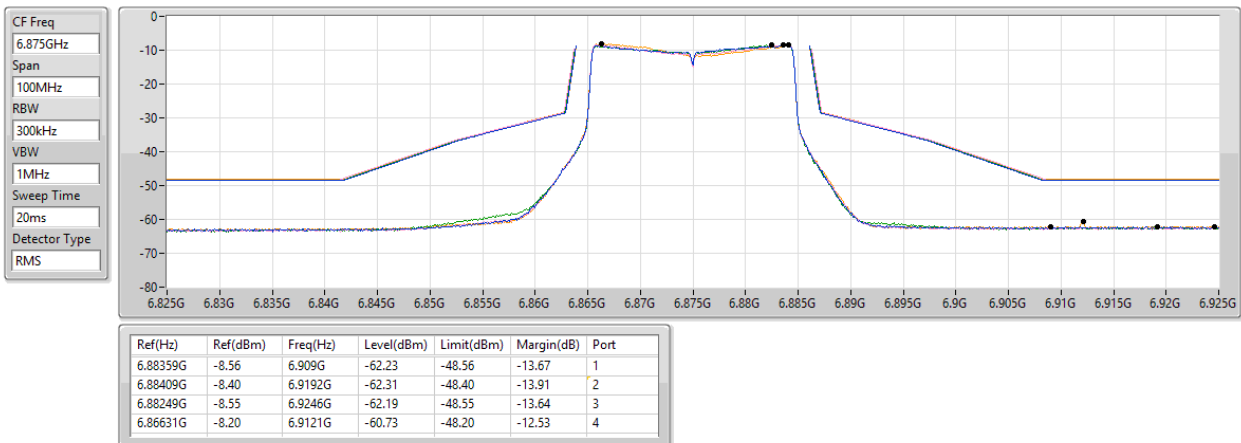
21/11/2022



6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
6875MHz Straddle 6.525-6.875GHz_TX

MASK

21/11/2022

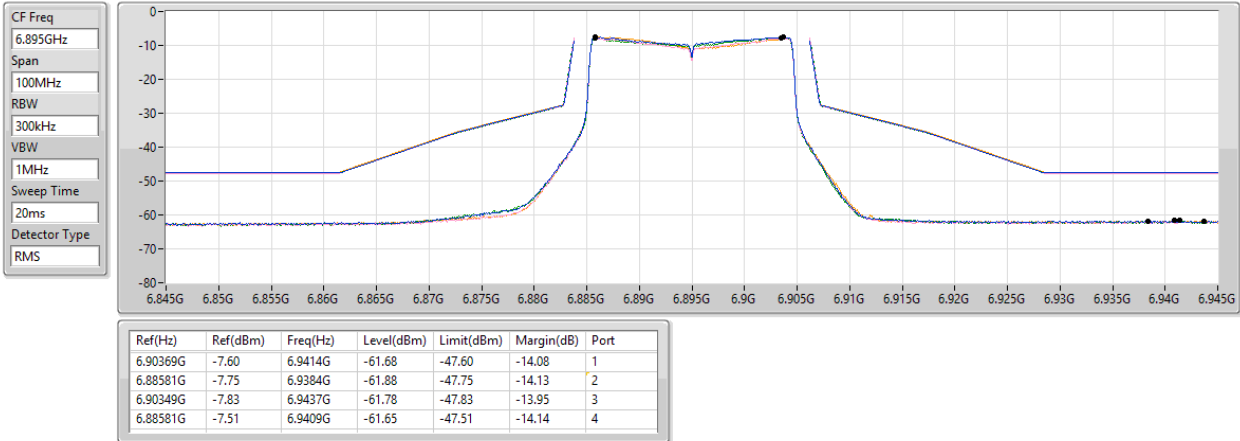


6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

MASK

6895MHz_TX

21/11/2022

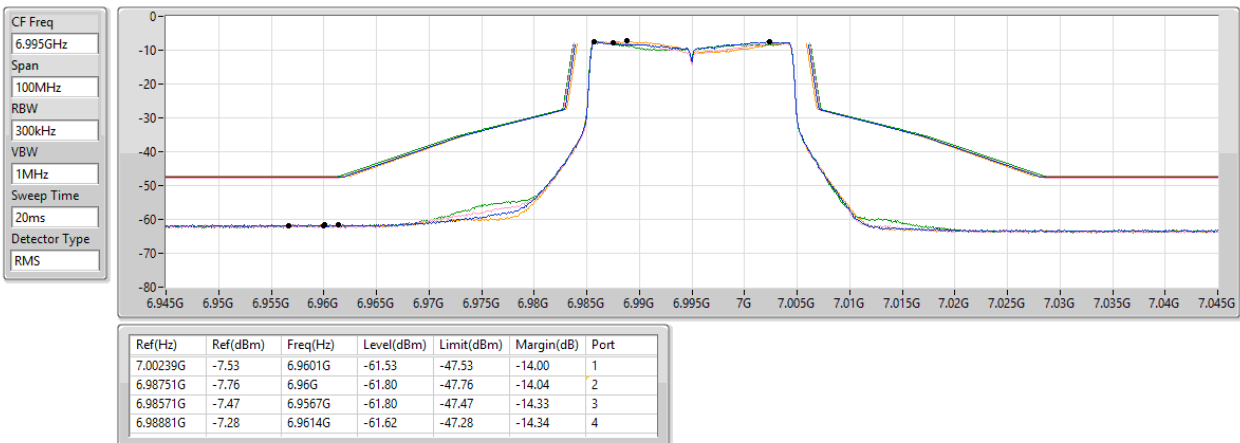


6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

MASK

6995MHz_TX

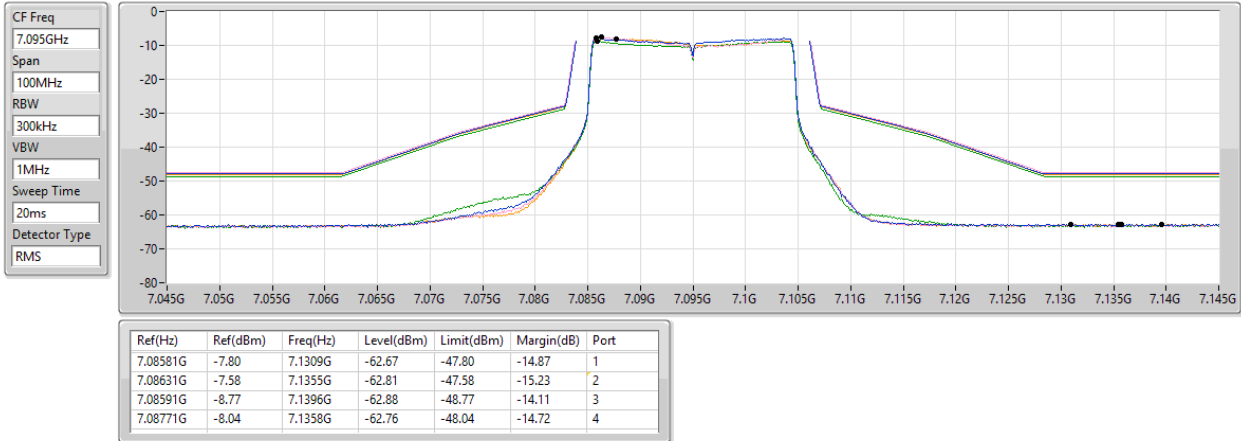
21/11/2022



6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
7095MHz_TX

MASK

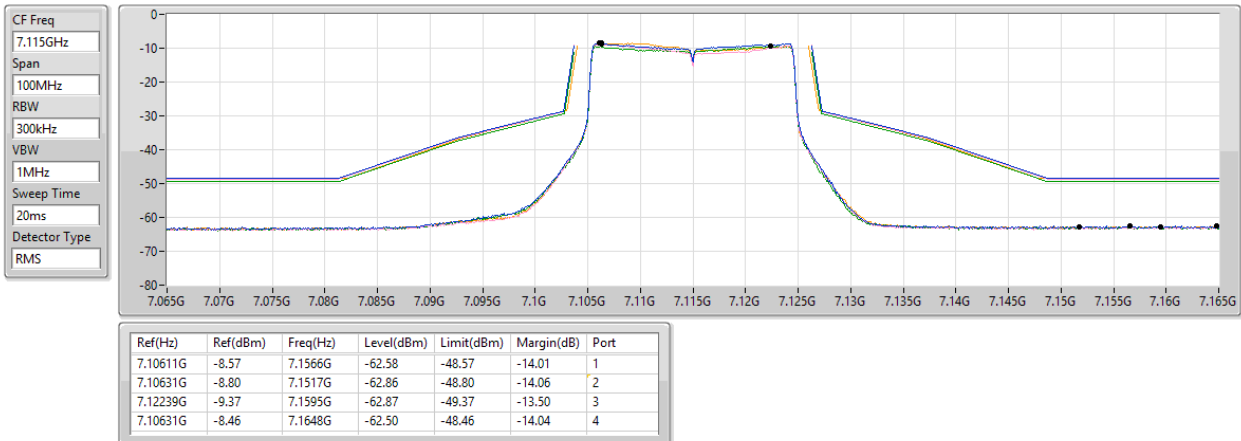
21/11/2022



6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
7115MHz_TX

MASK

21/11/2022

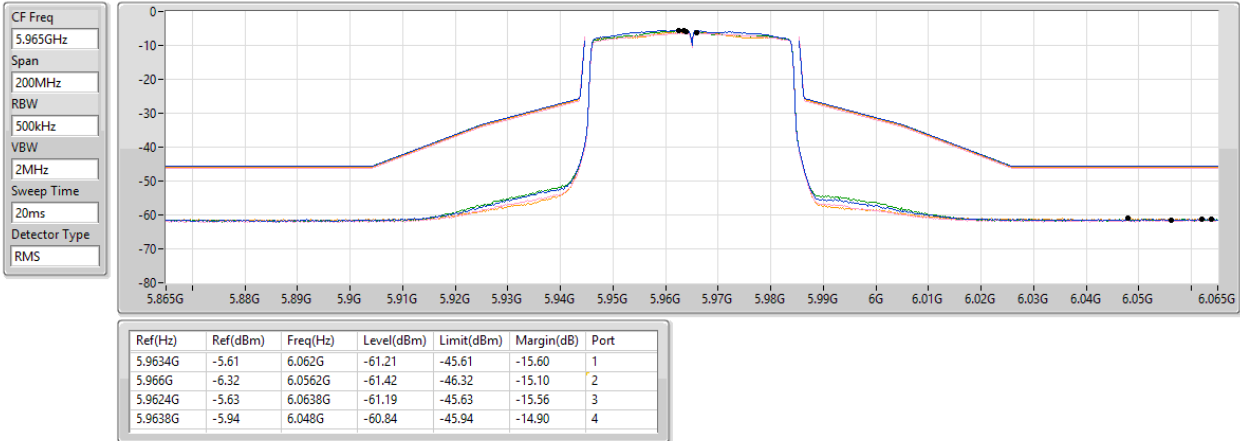


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

MASK

5965MHz_TX

21/11/2022

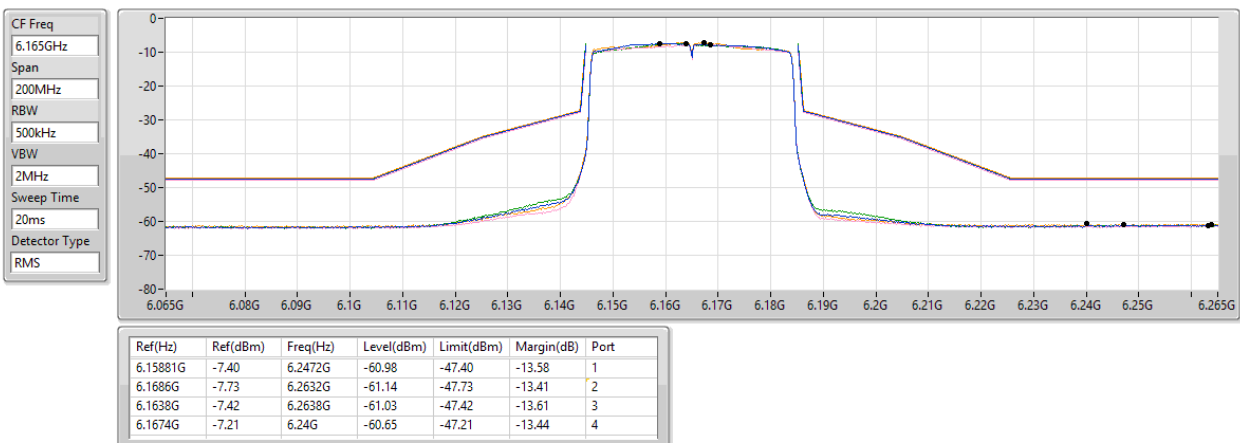


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

MASK

6165MHz_TX

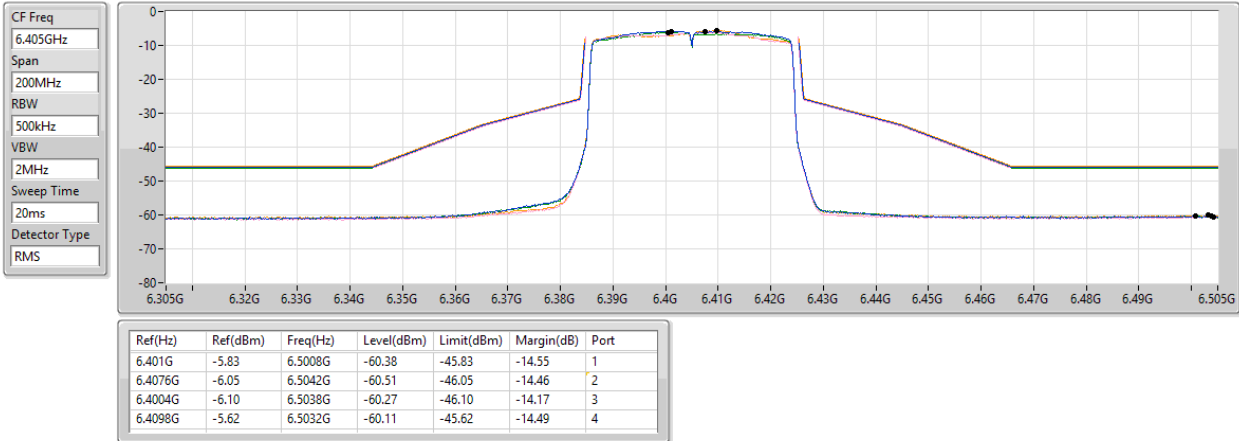
21/11/2022



5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
6405MHz_TX

MASK

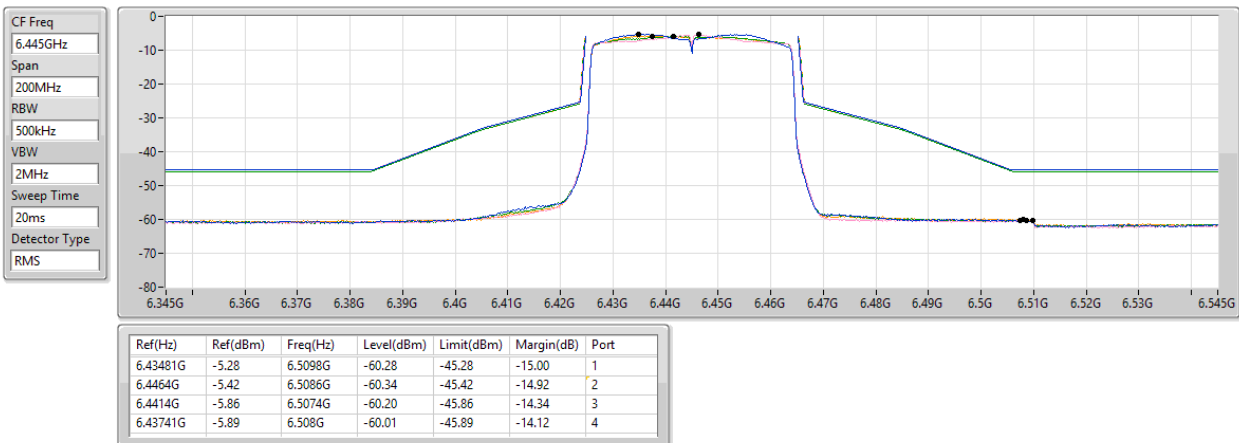
21/11/2022



6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
6445MHz_TX

MASK

21/11/2022

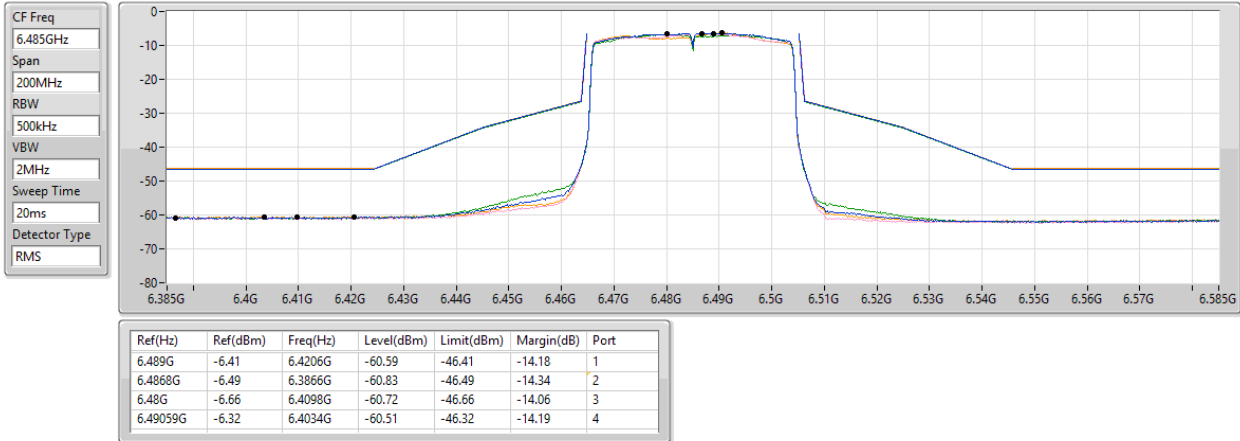


6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

MASK

6485MHz_TX

21/11/2022

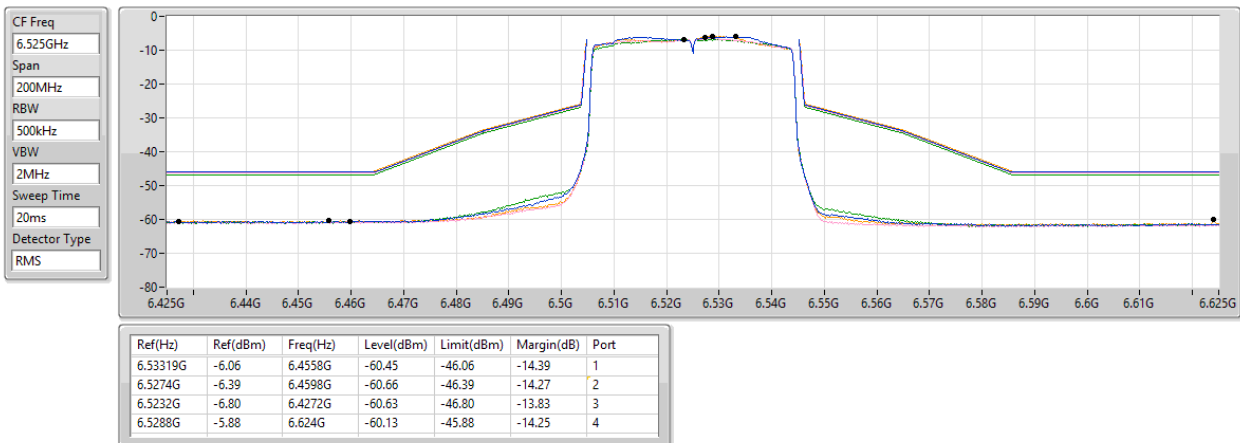


6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

MASK

6525MHz Straddle 6.425-6.525GHz_TX

21/11/2022

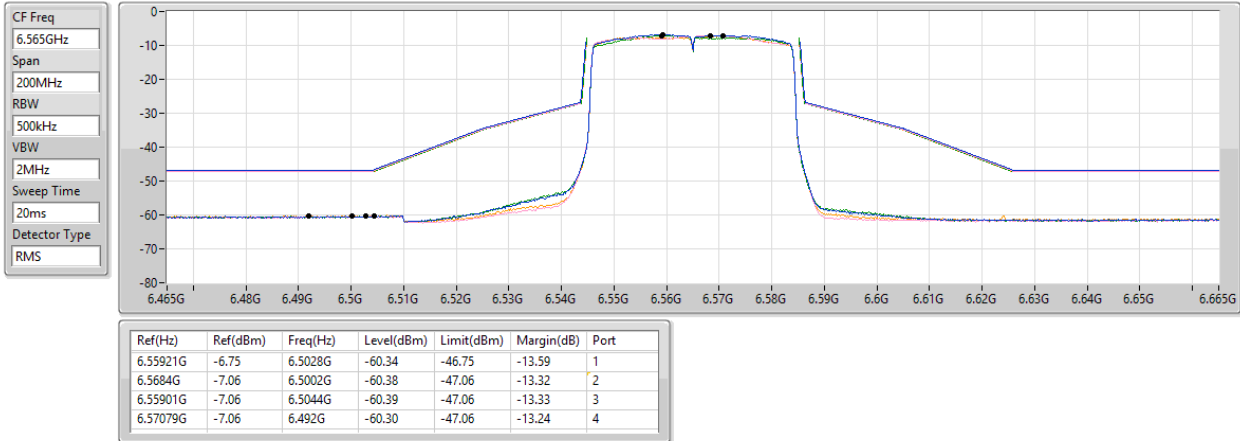


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

MASK

6565MHz_TX

21/11/2022

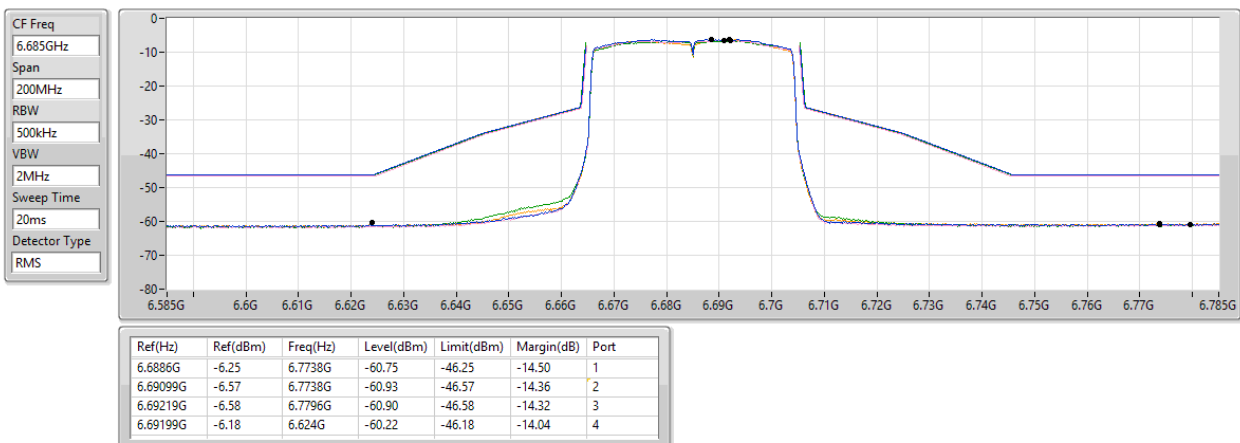


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

MASK

6685MHz_TX

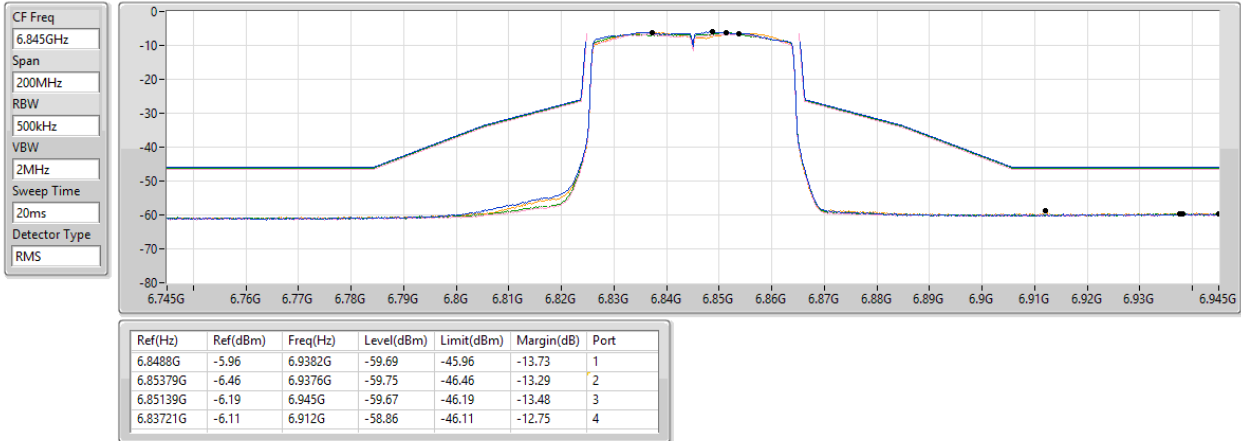
21/11/2022



6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
6845MHz_TX

MASK

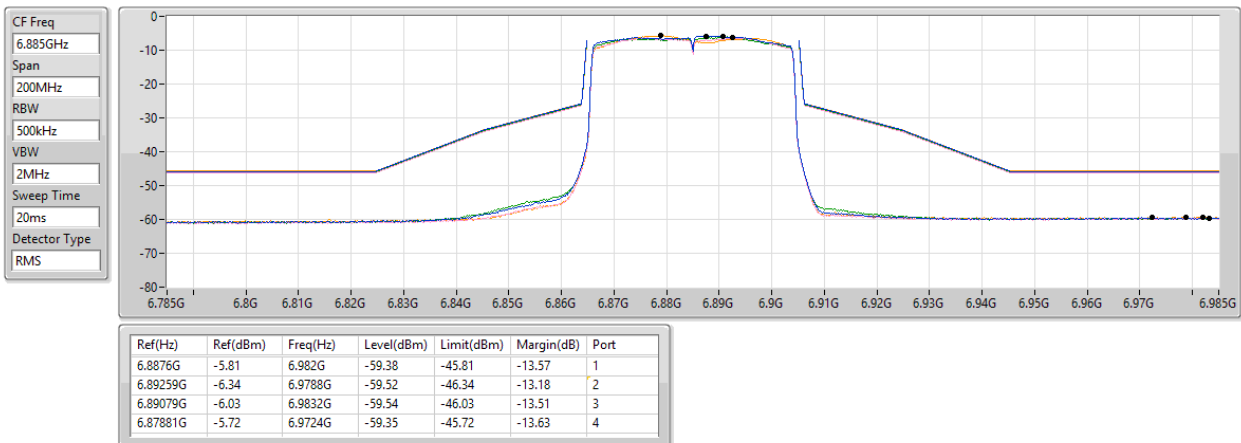
21/11/2022



6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
6885MHz Straddle 6.525-6.875GHz_TX

MASK

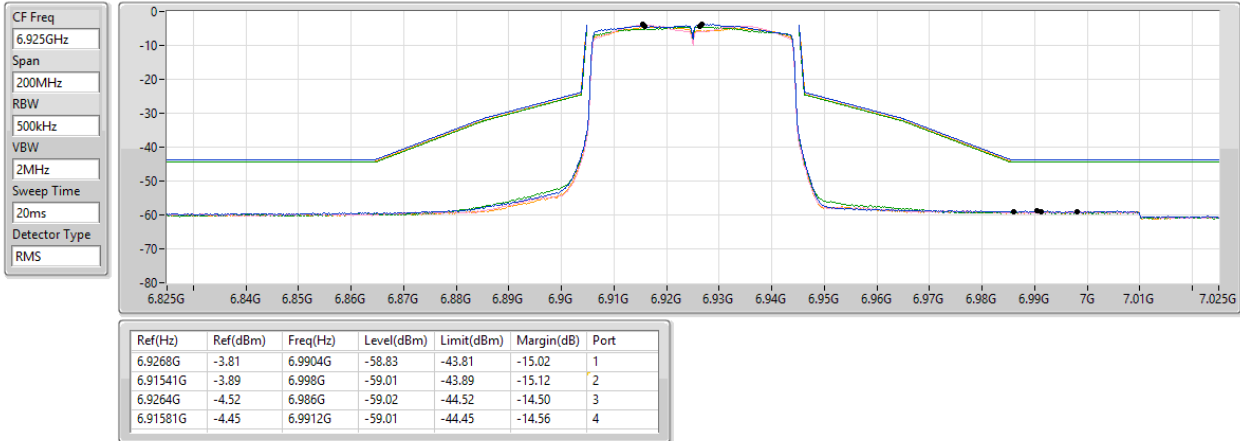
21/11/2022



6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
6925MHz_TX

MASK

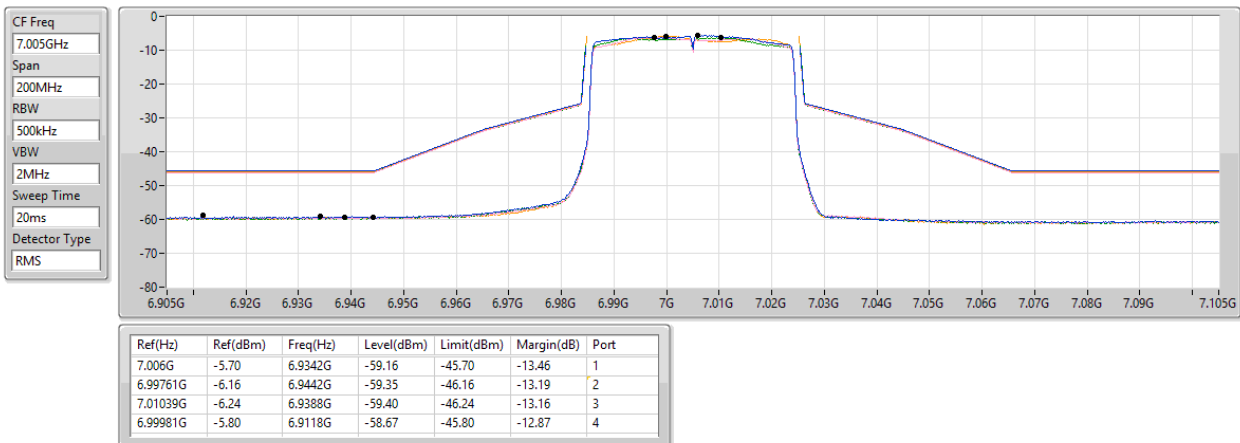
21/11/2022



6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
7005MHz_TX

MASK

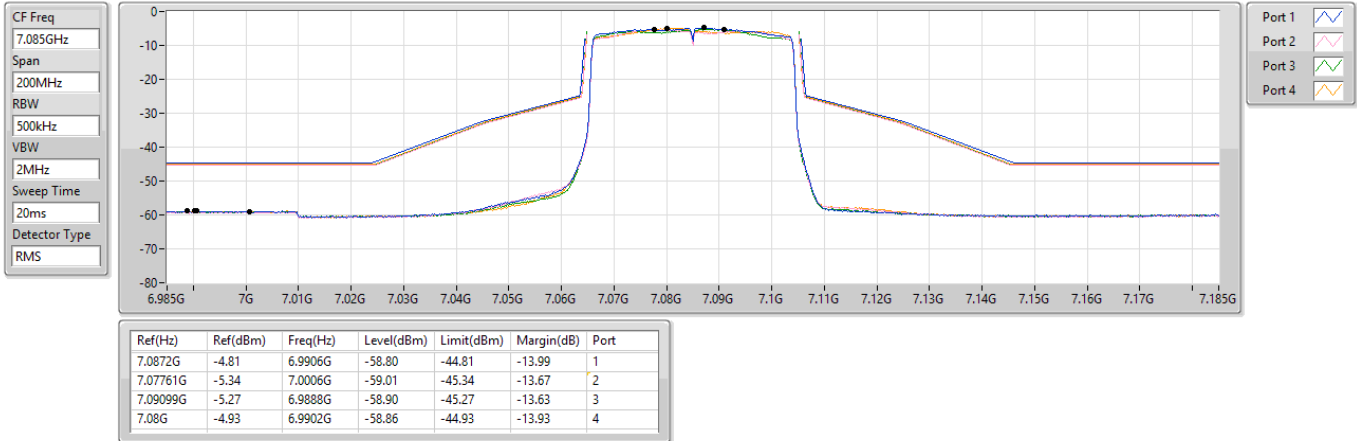
21/11/2022



6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
7085MHz_TX

MASK

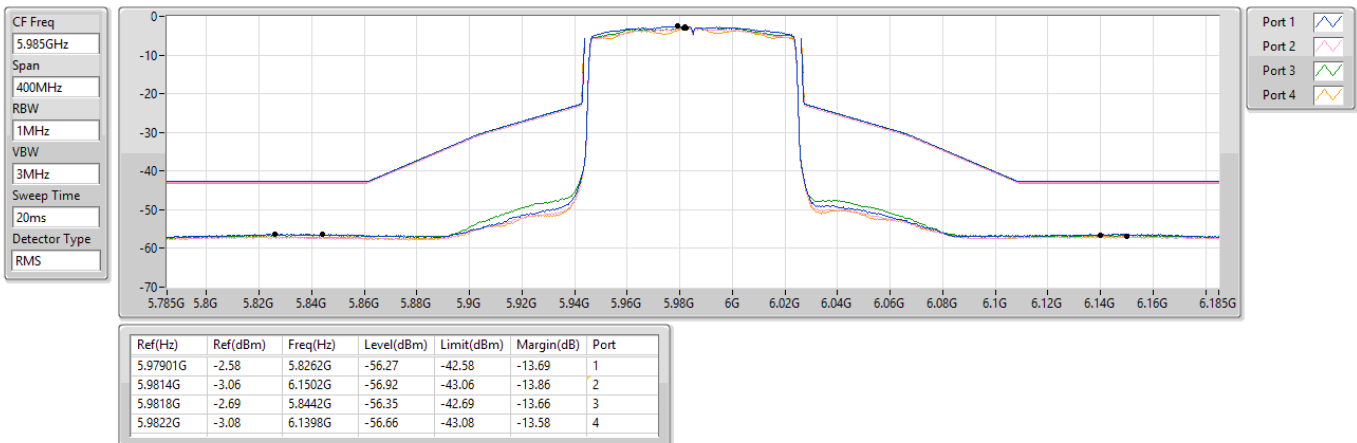
21/11/2022



5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
5985MHz_TX

MASK

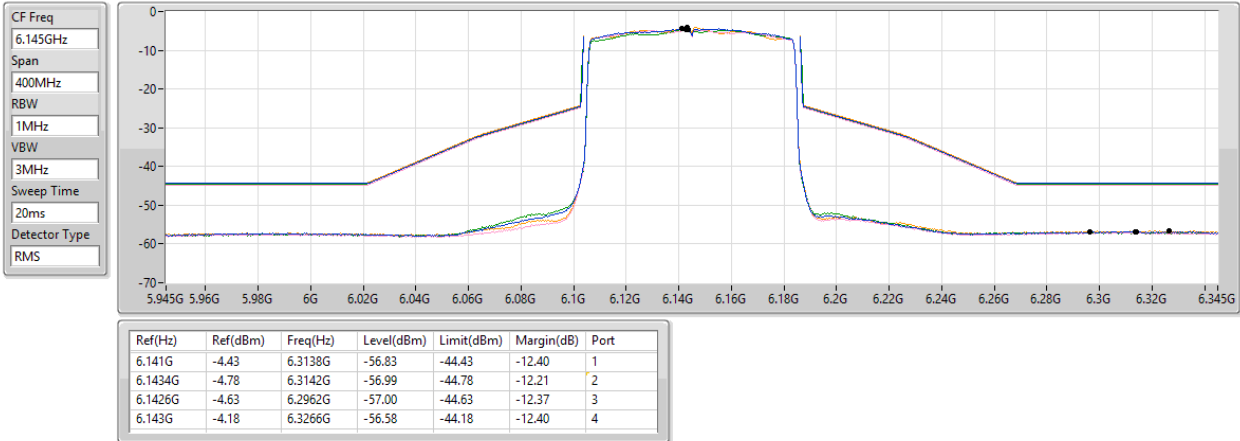
21/11/2022



5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
6145MHz_TX

MASK

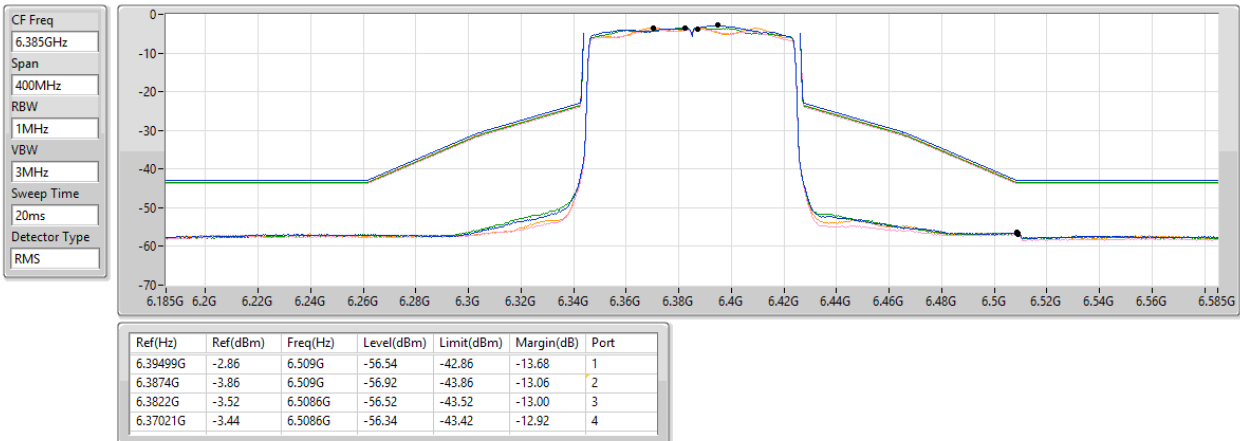
21/11/2022



5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
6385MHz_TX

MASK

21/11/2022

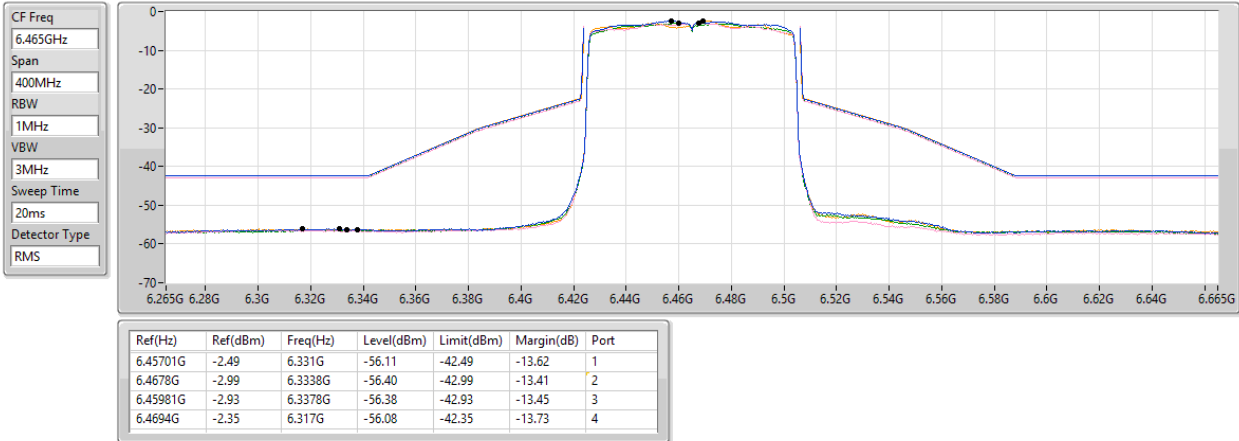


6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

MASK

6465MHz_TX

21/11/2022

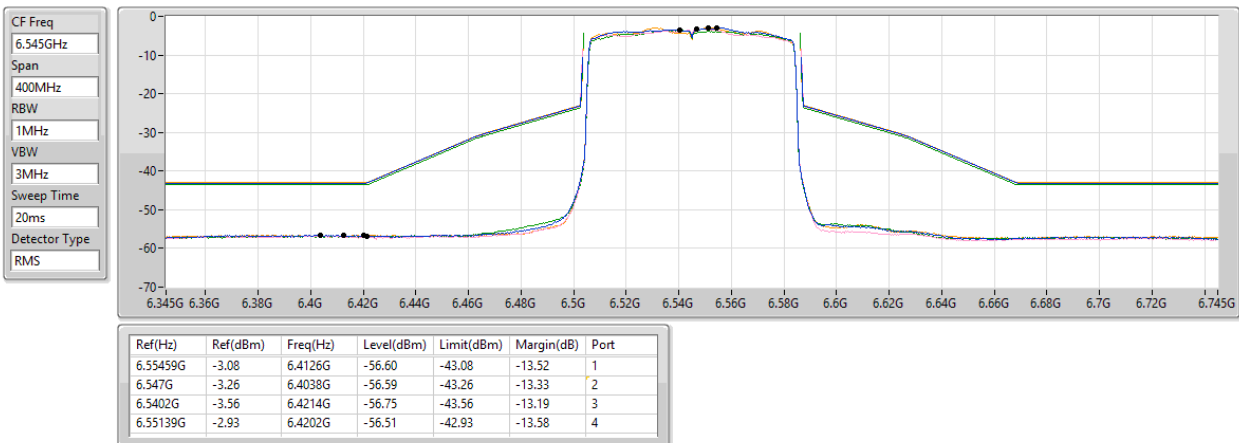


6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

MASK

6545MHz Straddle 6.425-6.525GHz_TX

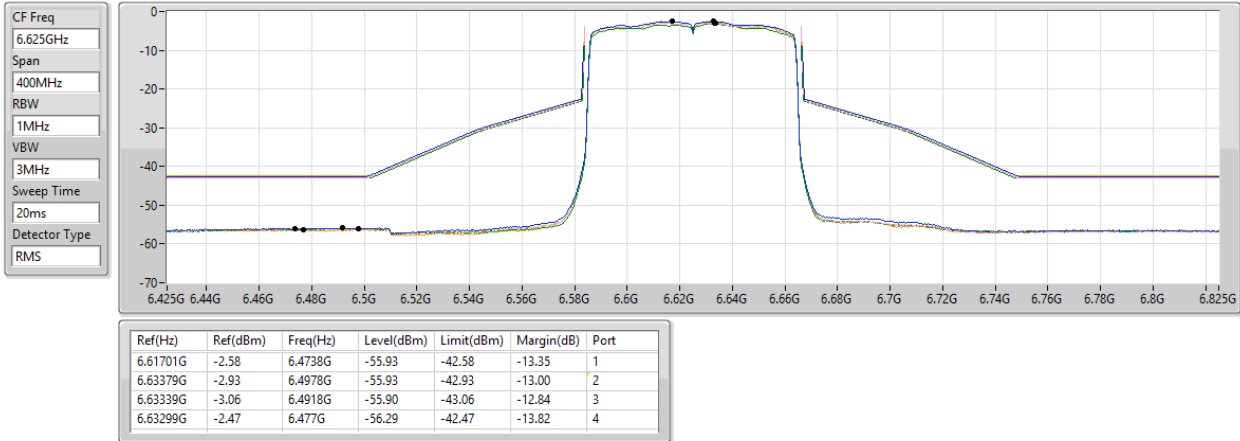
21/11/2022



6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX 6625MHz_TX

MASK

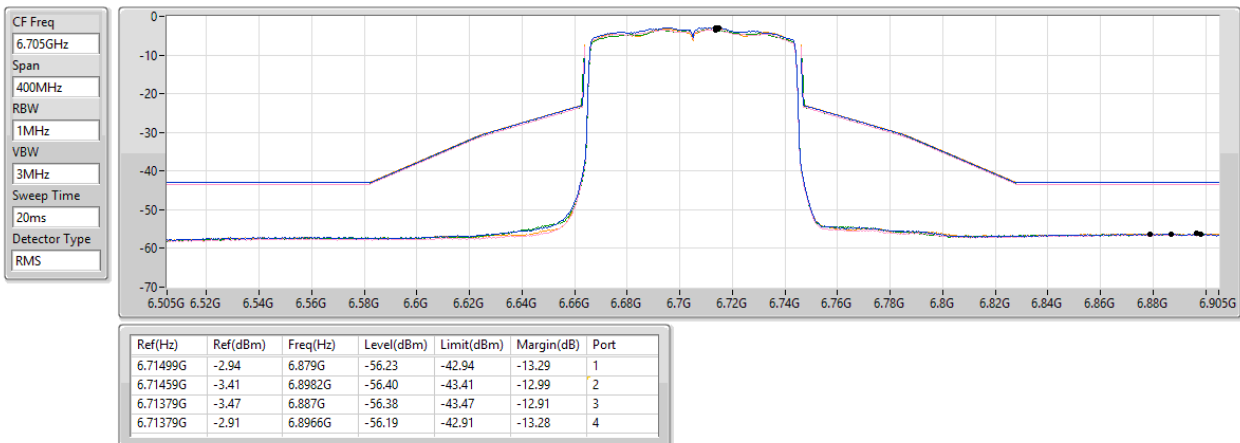
21/11/2022



6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX 6705MHz_TX

MASK

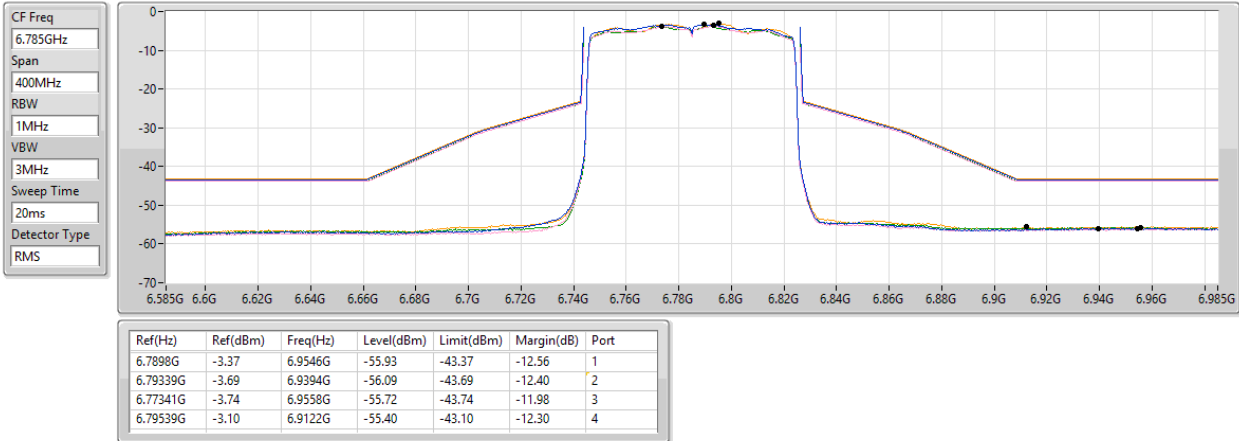
21/11/2022



6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
6785MHz_TX

MASK

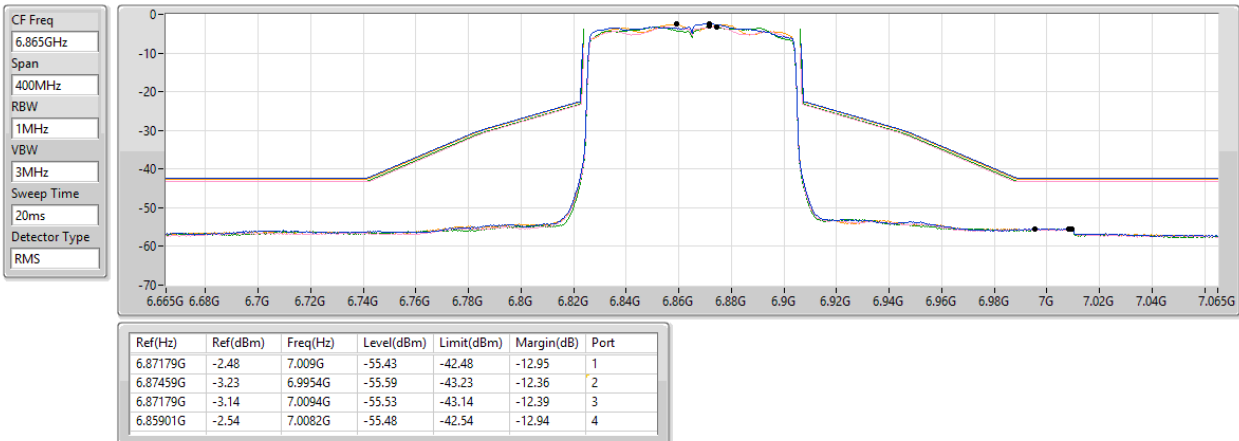
21/11/2022



6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
6865MHz Straddle 6.525-6.875GHz_TX

MASK

21/11/2022

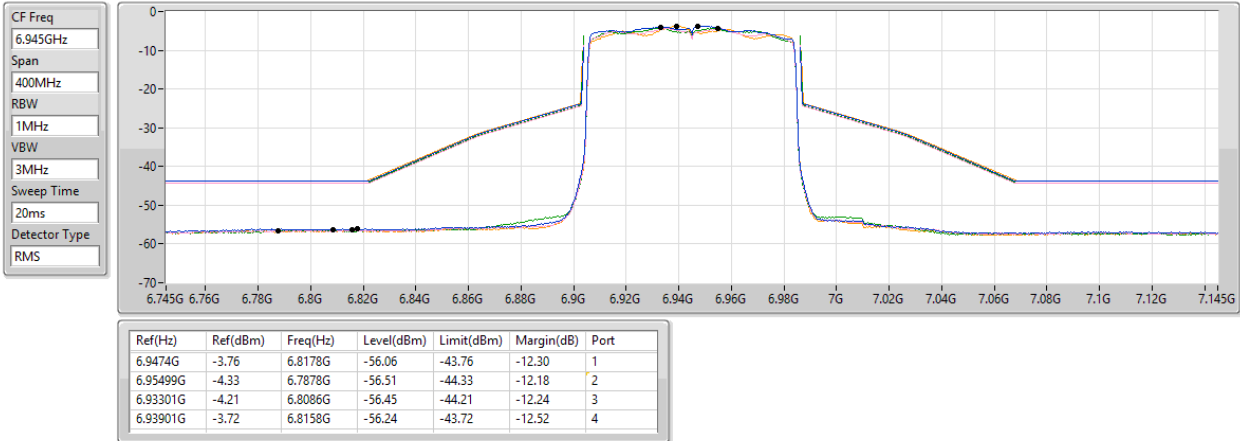


6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

MASK

6945MHz_TX

21/11/2022

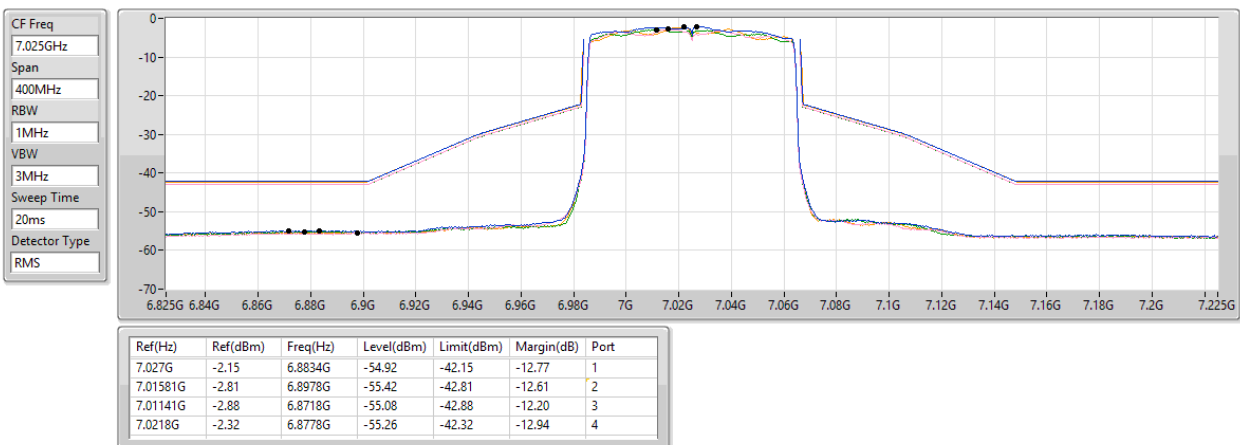


6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

MASK

7025MHz_TX

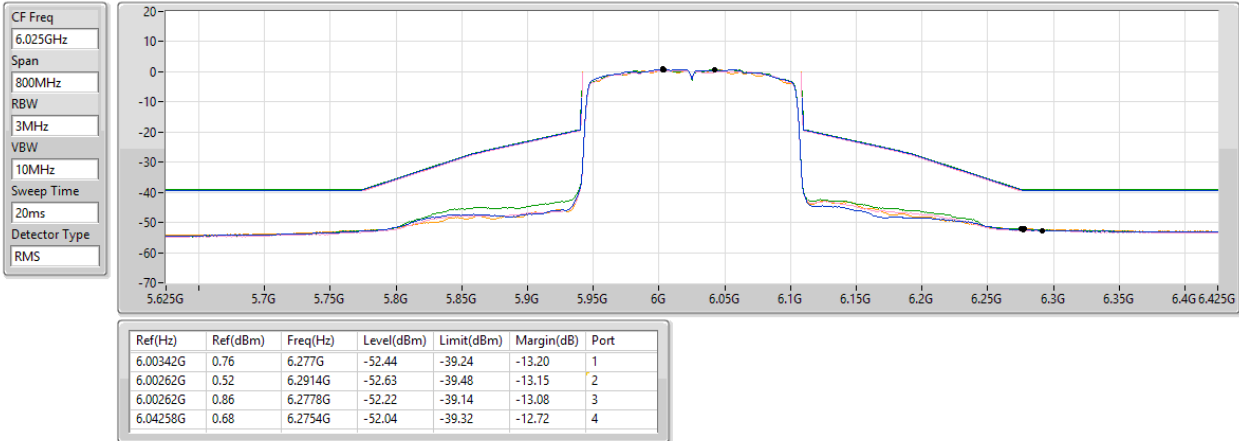
21/11/2022



5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
6025MHz_TX

MASK

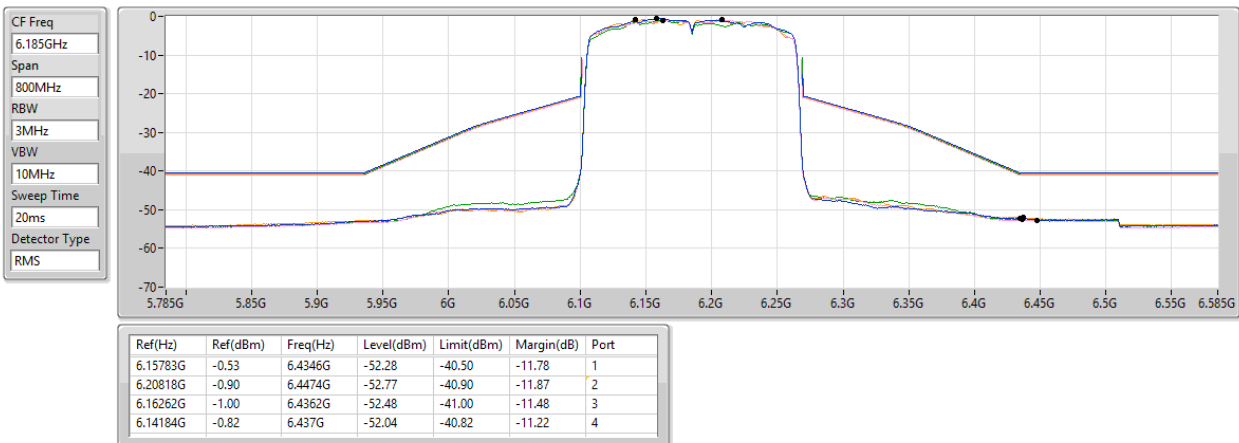
21/11/2022



5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
6185MHz_TX

MASK

21/11/2022

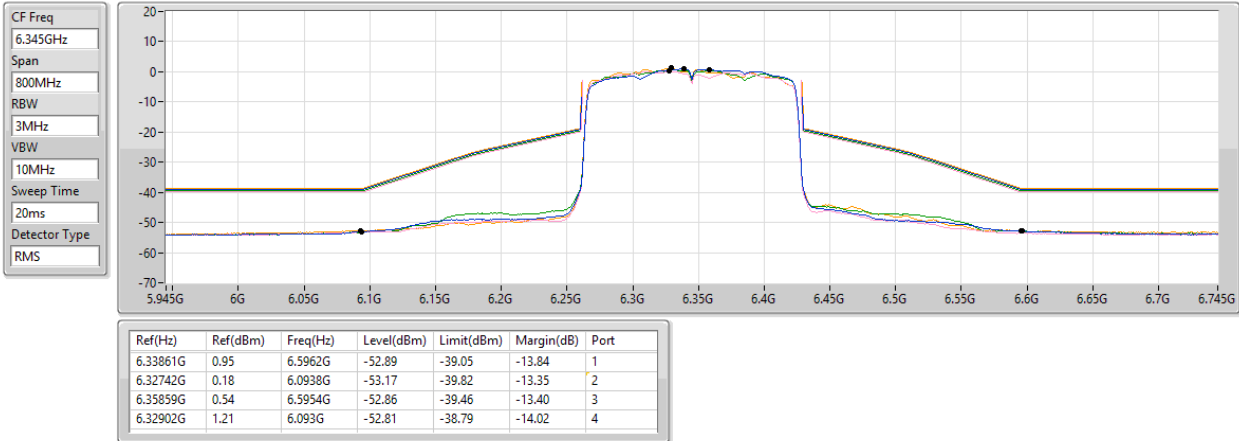


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

MASK

6345MHz_TX

21/11/2022

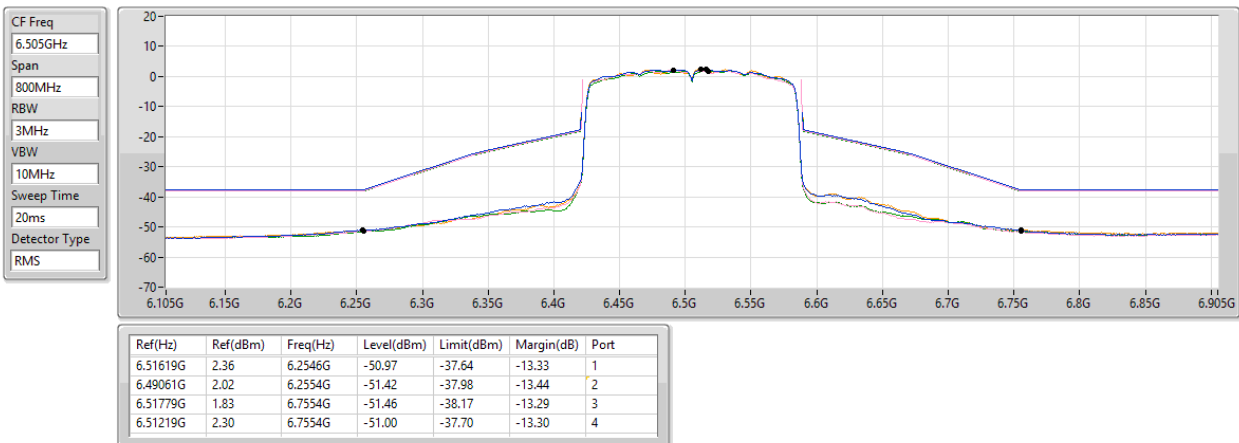


6.425-6.525GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

MASK

6505MHz Straddle 6.425-6.525GHz_TX

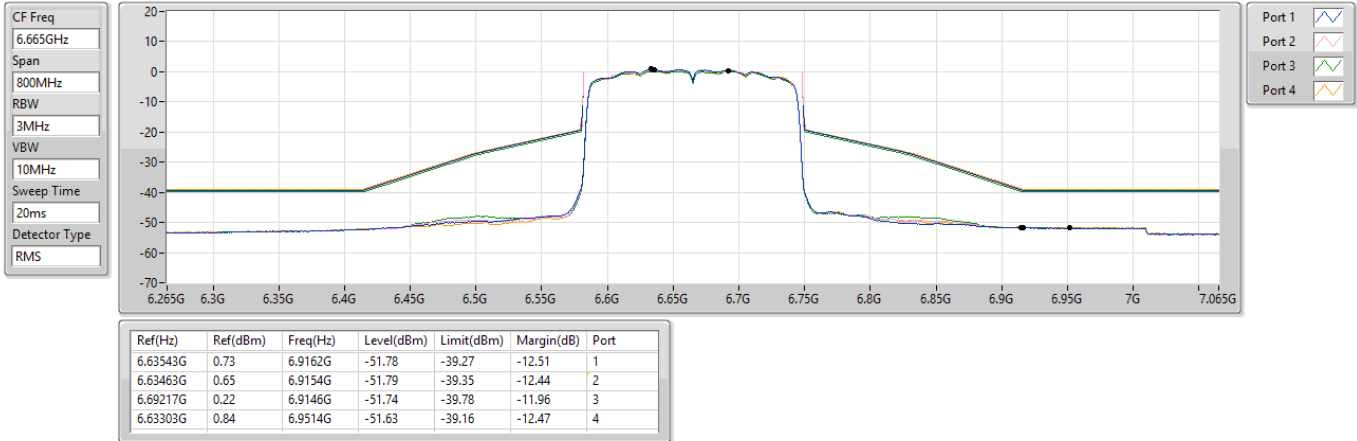
21/11/2022



6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
6665MHz_TX

MASK

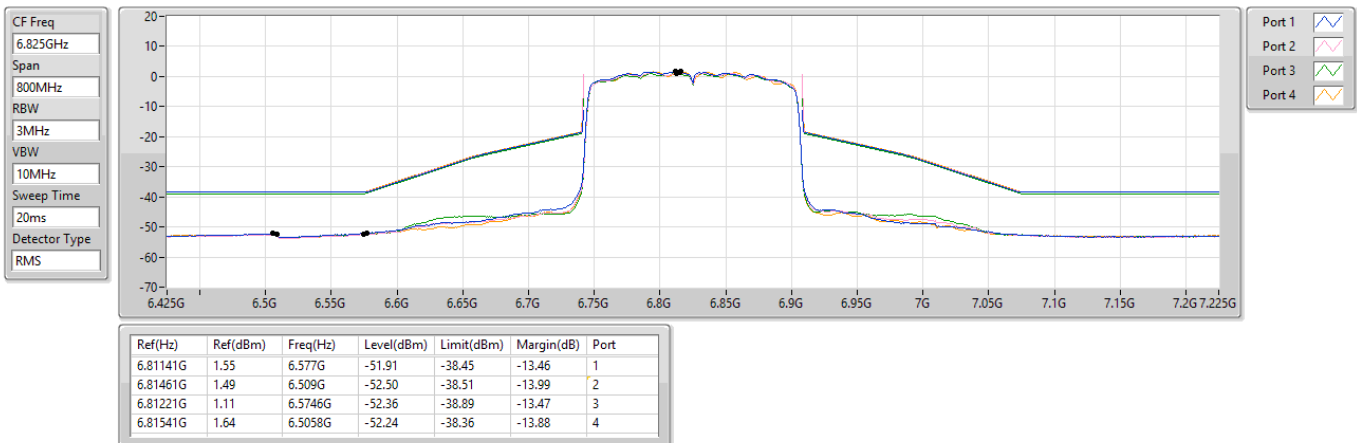
21/11/2022



6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
6825MHz Straddle 6.525-6.875GHz_TX

MASK

21/11/2022

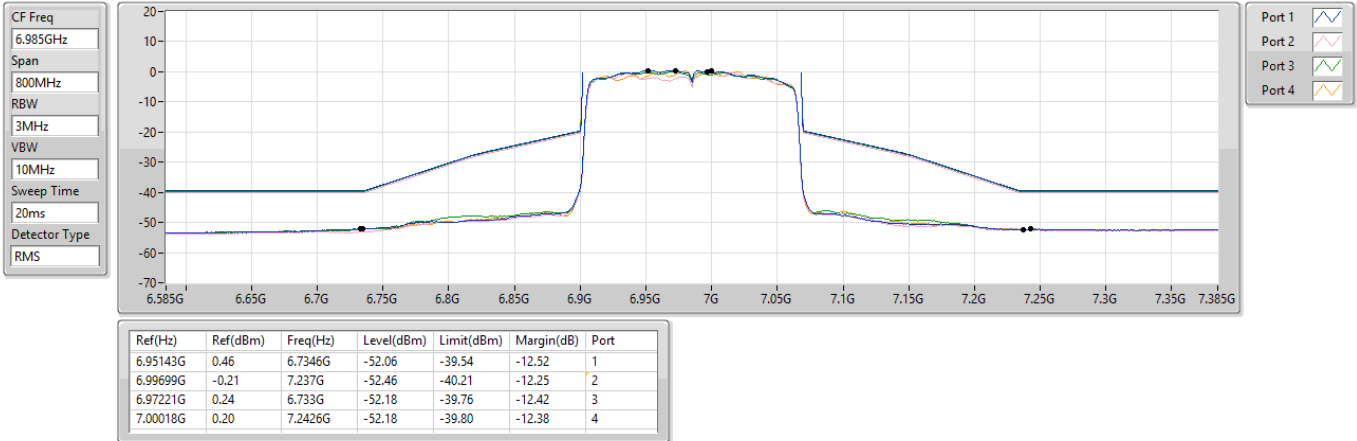


6.875-7.125GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

6985MHz_TX

MASK

21/11/2022



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
5.925-6.425GHz	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	6.42249G	-10.35	6.4596G	-62.90	-50.35	-12.55	3
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	6.1626G	-6.29	6.202G	-45.24	-32.10	-13.14	4
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	Pass	6.3806G	-6.39	6.5098G	-57.69	-46.39	-11.30	4
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	Pass	6.15543G	-1.46	6.4378G	-53.30	-41.42	-11.88	1
6.425-6.525GHz	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	6.44249G	-9.62	6.4818G	-62.74	-49.62	-13.12	3
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	6.45019G	-7.13	6.5078G	-61.15	-47.13	-14.02	2
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	Pass	6.55819G	-5.77	6.6394G	-46.83	-37.53	-9.30	4
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	Pass	6.53617G	-0.31	6.8922G	-52.74	-40.31	-12.43	4
6.525-6.875GHz	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	6.86409G	-12.73	6.9034G	-63.15	-52.73	-10.42	2
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	6.6828G	-6.94	6.6522G	-38.47	-29.29	-9.18	4
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	Pass	6.60982G	-5.20	6.7198G	-45.12	-36.96	-8.16	4
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	Pass	6.67059G	0.99	6.7938G	-31.62	-19.04	-12.58	4
6.875-7.125GHz	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	6.98611G	-9.85	7.0066G	-40.72	-29.88	-10.84	3
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	7.0024G	-4.51	7.043G	-41.95	-31.47	-10.48	4
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	Pass	6.95419G	-3.89	6.8738G	-37.92	-27.33	-10.59	4
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	Pass	6.95063G	2.06	7.3738G	-52.79	-37.94	-14.85	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5955MHz	Pass	5.94751G	-9.58	5.9935G	-63.71	-49.58	-14.13	1
5955MHz	Pass	5.96199G	-10.59	5.9944G	-63.81	-50.59	-13.22	2
5955MHz	Pass	5.94711G	-10.07	5.9434G	-43.63	-30.12	-13.51	3
5955MHz	Pass	5.94811G	-10.49	5.9935G	-63.53	-50.49	-13.04	4
6175MHz	Pass	6.16771G	-7.83	6.2208G	-63.20	-47.83	-15.37	1
6175MHz	Pass	6.18399G	-10.24	6.2102G	-63.52	-50.24	-13.28	2
6175MHz	Pass	6.16631G	-10.39	6.224G	-63.50	-50.39	-13.11	3
6175MHz	Pass	6.16771G	-9.72	6.2176G	-63.08	-49.72	-13.36	4
6415MHz	Pass	6.42269G	-8.49	6.4624G	-62.76	-48.49	-14.27	1
6415MHz	Pass	6.40641G	-7.62	6.4512G	-62.63	-47.62	-15.01	2
6415MHz	Pass	6.42249G	-10.35	6.4596G	-62.90	-50.35	-12.55	3
6415MHz	Pass	6.42269G	-5.75	6.4032G	-41.47	-25.76	-15.71	4
6435MHz	Pass	6.42641G	-7.89	6.4835G	-62.46	-47.89	-14.57	1
6435MHz	Pass	6.42641G	-7.41	6.4777G	-62.50	-47.41	-15.09	2
6435MHz	Pass	6.44249G	-9.62	6.4818G	-62.74	-49.62	-13.12	3
6435MHz	Pass	6.44259G	-6.15	6.4464G	-39.90	-26.19	-13.71	4
6475MHz	Pass	6.48309G	-8.28	6.509G	-63.24	-48.28	-14.96	1
6475MHz	Pass	6.48309G	-8.50	6.5091G	-63.23	-48.50	-14.73	2
6475MHz	Pass	6.48419G	-7.99	6.5078G	-63.39	-47.99	-15.40	3
6475MHz	Pass	6.46551G	-3.97	6.5097G	-63.14	-43.97	-19.17	4
6515MHz	Pass	6.50641G	-8.37	6.4746G	-63.38	-48.37	-15.01	1
6515MHz	Pass	6.50751G	-8.19	6.481G	-63.46	-48.19	-15.27	2
6515MHz	Pass	6.52259G	-8.95	6.4818G	-63.51	-48.95	-14.56	3
6515MHz	Pass	6.5199G	-7.72	6.5264G	-40.65	-27.22	-13.43	4
6535MHz	Pass	6.52741G	-8.44	6.4975G	-63.26	-48.44	-14.82	1
6535MHz	Pass	6.52631G	-8.25	6.4975G	-63.17	-48.25	-14.92	2
6535MHz	Pass	6.52621G	-8.94	6.4898G	-63.42	-48.94	-14.48	3
6535MHz	Pass	6.54139G	-7.64	6.5465G	-41.95	-27.68	-14.27	4
6695MHz	Pass	6.70269G	-8.13	6.707G	-43.66	-28.19	-15.47	1
6695MHz	Pass	6.68761G	-8.09	6.7325G	-64.15	-48.09	-16.06	2
6695MHz	Pass	6.70349G	-8.97	6.7445G	-64.14	-48.97	-15.17	3
6695MHz	Pass	6.68761G	-7.05	6.7066G	-41.46	-27.17	-14.29	4
6855MHz	Pass	6.86309G	-11.23	6.9034G	-63.10	-51.23	-11.87	1
6855MHz	Pass	6.86409G	-12.73	6.9034G	-63.15	-52.73	-10.42	2
6855MHz	Pass	6.86369G	-10.94	6.8897G	-63.23	-50.94	-12.29	3
6855MHz	Pass	6.84711G	-10.77	6.816G	-62.77	-50.77	-12.00	4
6875MHz Straddle 6.525-6.875GHz	Pass	6.86681G	-9.94	6.9158G	-62.98	-49.94	-13.04	1
6875MHz Straddle 6.525-6.875GHz	Pass	6.88379G	-11.76	6.9228G	-63.04	-51.76	-11.28	2
6875MHz Straddle 6.525-6.875GHz	Pass	6.88399G	-9.49	6.9186G	-63.03	-49.49	-13.54	3
6875MHz Straddle 6.525-6.875GHz	Pass	6.88419G	-9.50	6.9242G	-62.69	-49.50	-13.19	4
6895MHz	Pass	6.90249G	-10.61	6.9447G	-62.47	-50.61	-11.86	1
6895MHz	Pass	6.88621G	-11.23	6.937G	-62.73	-51.23	-11.50	2
6895MHz	Pass	6.88621G	-10.45	6.9429G	-62.73	-50.45	-12.28	3
6895MHz	Pass	6.90219G	-9.01	6.9063G	-41.54	-29.06	-12.48	4
6995MHz	Pass	6.98761G	-10.47	6.9557G	-62.49	-50.47	-12.02	1
6995MHz	Pass	6.98741G	-11.28	6.9605G	-62.49	-51.28	-11.21	2
6995MHz	Pass	6.98611G	-9.85	7.0066G	-40.72	-29.88	-10.84	3
6995MHz	Pass	6.98741G	-9.54	6.9611G	-62.45	-49.54	-12.91	4
7095MHz	Pass	7.10279G	-10.77	7.1391G	-62.72	-50.77	-11.95	1
7095MHz	Pass	7.08641G	-11.94	7.1421G	-62.87	-51.94	-10.93	2
7095MHz	Pass	7.08731G	-9.84	7.1423G	-62.78	-49.84	-12.94	3
7095MHz	Pass	7.08731G	-9.68	7.1062G	-42.43	-29.71	-12.72	4
7115MHz	Pass	7.12369G	-9.68	7.1571G	-62.57	-49.68	-12.89	1
7115MHz	Pass	7.10861G	-10.66	7.1574G	-62.63	-50.66	-11.97	2



Mask_R3 Pine 2_Beamforming mode

Appendix E.9

Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
7115MHz	Pass	7.10611G	-8.69	7.1607G	-62.56	-48.69	-13.87	3
7115MHz	Pass	7.10651G	-8.14	7.1624G	-62.51	-48.14	-14.37	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5965MHz	Pass	5.9678G	-8.33	6.0538G	-63.01	-48.33	-14.68	1
5965MHz	Pass	5.9674G	-5.78	6.0574G	-61.87	-45.78	-16.09	2
5965MHz	Pass	5.9672G	-7.63	6.0602G	-62.20	-47.63	-14.57	3
5965MHz	Pass	5.9614G	-6.12	6.0272G	-61.50	-46.12	-15.38	4
6165MHz	Pass	6.1676G	-8.90	6.256G	-62.62	-48.90	-13.72	1
6165MHz	Pass	6.17G	-6.72	6.259G	-61.67	-46.72	-14.95	2
6165MHz	Pass	6.1624G	-7.40	6.2586G	-61.77	-47.40	-14.37	3
6165MHz	Pass	6.1626G	-6.29	6.202G	-45.24	-32.10	-13.14	4
6405MHz	Pass	6.4074G	-8.06	6.5022G	-62.10	-48.06	-14.04	1
6405MHz	Pass	6.401G	-6.48	6.5006G	-61.23	-46.48	-14.75	2
6405MHz	Pass	6.39741G	-7.02	6.5018G	-61.15	-47.02	-14.13	3
6405MHz	Pass	6.4002G	-5.48	6.503G	-60.79	-45.48	-15.31	4
6445MHz	Pass	6.4424G	-6.95	6.5098G	-61.09	-46.95	-14.14	1
6445MHz	Pass	6.45019G	-7.13	6.5078G	-61.15	-47.13	-14.02	2
6445MHz	Pass	6.43761G	-6.80	6.5078G	-61.18	-46.80	-14.38	3
6445MHz	Pass	6.4488G	-5.14	6.3646G	-61.19	-45.14	-16.05	4
6485MHz	Pass	6.49G	-4.33	6.4032G	-61.02	-44.33	-16.69	1
6485MHz	Pass	6.4826G	-4.54	6.4232G	-61.08	-44.54	-16.54	2
6485MHz	Pass	6.47981G	-4.80	6.4208G	-61.07	-44.80	-16.27	3
6485MHz	Pass	6.487G	-3.11	6.3968G	-59.92	-43.11	-16.81	4
6525MHz Straddle 6.425-6.525GHz	Pass	6.51941G	-4.75	6.4632G	-60.75	-44.68	-16.07	1
6525MHz Straddle 6.425-6.525GHz	Pass	6.5276G	-4.77	6.462G	-61.03	-44.77	-16.26	2
6525MHz Straddle 6.425-6.525GHz	Pass	6.5288G	-5.16	6.4522G	-61.05	-45.16	-15.89	3
6525MHz Straddle 6.425-6.525GHz	Pass	6.53259G	-5.43	6.5604G	-40.78	-26.53	-14.25	4
6565MHz	Pass	6.57259G	-6.77	6.4976G	-61.11	-46.77	-14.34	1
6565MHz	Pass	6.564G	-6.92	6.4942G	-60.96	-46.92	-14.04	2
6565MHz	Pass	6.5674G	-7.45	6.4984G	-61.18	-47.45	-13.73	3
6565MHz	Pass	6.5676G	-7.54	6.5G	-60.67	-47.54	-13.13	4
6685MHz	Pass	6.684G	-7.11	6.7778G	-61.53	-47.11	-14.42	1
6685MHz	Pass	6.69139G	-6.86	6.7808G	-61.49	-46.86	-14.63	2
6685MHz	Pass	6.69159G	-7.41	6.7812G	-61.56	-47.41	-14.15	3
6685MHz	Pass	6.6828G	-6.94	6.6522G	-38.47	-29.29	-9.18	4
6845MHz	Pass	6.8412G	-7.36	6.9386G	-60.44	-47.36	-13.08	1
6845MHz	Pass	6.8488G	-7.96	6.9386G	-60.47	-47.96	-12.51	2
6845MHz	Pass	6.8474G	-7.28	6.9444G	-60.45	-47.28	-13.17	3
6845MHz	Pass	6.83621G	-8.91	6.789G	-56.15	-46.39	-9.76	4
6885MHz Straddle 6.525-6.875GHz	Pass	6.8862G	-6.17	6.9824G	-60.06	-46.17	-13.89	1
6885MHz Straddle 6.525-6.875GHz	Pass	6.89279G	-6.82	6.9536G	-60.27	-46.82	-13.45	2
6885MHz Straddle 6.525-6.875GHz	Pass	6.87141G	-5.16	6.9846G	-60.24	-45.16	-15.08	3
6885MHz Straddle 6.525-6.875GHz	Pass	6.89259G	-7.57	6.847G	-43.14	-33.08	-10.06	4
6925MHz	Pass	6.9288G	-4.69	6.9892G	-59.01	-44.69	-14.32	1
6925MHz	Pass	6.9224G	-6.19	7.0046G	-59.14	-46.19	-12.95	2
6925MHz	Pass	6.9202G	-4.91	6.9864G	-59.11	-44.91	-14.20	3
6925MHz	Pass	6.9274G	-6.28	7.0096G	-59.02	-46.20	-12.82	4
7005MHz	Pass	7G	-5.14	6.943G	-59.19	-45.14	-14.05	1
7005MHz	Pass	7.001G	-6.25	6.9316G	-59.22	-46.25	-12.97	2
7005MHz	Pass	7.0038G	-4.97	6.9356G	-59.31	-44.97	-14.34	3
7005MHz	Pass	7.0024G	-4.51	7.043G	-41.95	-31.47	-10.48	4
7085MHz	Pass	7.07981G	-4.73	6.9908G	-58.68	-44.73	-13.95	1
7085MHz	Pass	7.0822G	-5.88	6.986G	-59.14	-45.88	-13.26	2
7085MHz	Pass	7.0824G	-5.37	6.994G	-59.00	-45.37	-13.63	3
7085MHz	Pass	7.0874G	-4.13	6.9868G	-58.41	-44.13	-14.28	4
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-

Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
5985MHz	Pass	5.97741G	-5.61	6.1514G	-58.22	-45.61	-12.61	1
5985MHz	Pass	5.9834G	-2.69	6.115G	-56.92	-42.69	-14.23	2
5985MHz	Pass	5.9882G	-4.42	5.841G	-57.96	-44.42	-13.54	3
5985MHz	Pass	5.9878G	-3.77	5.8366G	-56.40	-43.77	-12.63	4
6145MHz	Pass	6.15099G	-6.86	6.3066G	-58.53	-46.86	-11.67	1
6145MHz	Pass	6.13541G	-4.91	6.3022G	-57.44	-44.91	-12.53	2
6145MHz	Pass	6.15259G	-5.63	6.303G	-57.91	-45.63	-12.28	3
6145MHz	Pass	6.12862G	-5.23	6.2746G	-57.21	-45.23	-11.98	4
6385MHz	Pass	6.40338G	-7.44	6.5098G	-58.97	-47.44	-11.53	1
6385MHz	Pass	6.387G	-6.07	6.2194G	-58.32	-46.07	-12.25	2
6385MHz	Pass	6.39259G	-6.17	6.5098G	-57.88	-45.83	-12.05	3
6385MHz	Pass	6.3806G	-6.39	6.5098G	-57.69	-46.39	-11.30	4
6465MHz	Pass	6.45661G	-6.30	6.325G	-58.10	-46.30	-11.80	1
6465MHz	Pass	6.47019G	-5.31	6.3042G	-57.85	-45.31	-12.54	2
6465MHz	Pass	6.4634G	-5.44	6.333G	-58.15	-45.44	-12.71	3
6465MHz	Pass	6.467G	-6.79	6.3082G	-57.75	-46.79	-10.96	4
6545MHz Straddle 6.425-6.525GHz	Pass	6.5474G	-4.02	6.405G	-57.32	-44.02	-13.30	1
6545MHz Straddle 6.425-6.525GHz	Pass	6.53701G	-4.27	6.399G	-57.02	-44.27	-12.75	2
6545MHz Straddle 6.425-6.525GHz	Pass	6.5422G	-4.25	6.3902G	-57.64	-44.25	-13.39	3
6545MHz Straddle 6.425-6.525GHz	Pass	6.55819G	-5.77	6.6394G	-46.83	-37.53	-9.30	4
6625MHz	Pass	6.629G	-5.22	6.4902G	-57.38	-45.22	-12.16	1
6625MHz	Pass	6.6286G	-5.46	6.4706G	-57.55	-45.46	-12.09	2
6625MHz	Pass	6.61821G	-5.30	6.5002G	-57.36	-45.30	-12.06	3
6625MHz	Pass	6.60982G	-5.20	6.7198G	-45.12	-36.96	-8.16	4
6705MHz	Pass	6.71139G	-5.20	6.9022G	-57.34	-45.20	-12.14	1
6705MHz	Pass	6.7002G	-4.57	6.8902G	-56.96	-44.57	-12.39	2
6705MHz	Pass	6.7022G	-4.50	6.8662G	-57.27	-44.50	-12.77	3
6705MHz	Pass	6.7022G	-4.74	6.8794G	-57.15	-44.74	-12.41	4
6785MHz	Pass	6.789G	-3.68	6.9638G	-56.58	-43.68	-12.90	1
6785MHz	Pass	6.77421G	-3.03	6.9614G	-56.21	-43.03	-13.18	2
6785MHz	Pass	6.79019G	-2.84	6.9434G	-56.63	-42.84	-13.79	3
6785MHz	Pass	6.77741G	-3.42	6.707G	-37.39	-21.42	-15.97	4
6865MHz Straddle 6.525-6.875GHz	Pass	6.8678G	-3.46	6.9926G	-56.32	-43.46	-12.86	1
6865MHz Straddle 6.525-6.875GHz	Pass	6.88938G	-4.48	7.0002G	-56.41	-44.48	-11.93	2
6865MHz Straddle 6.525-6.875GHz	Pass	6.85661G	-2.46	6.9902G	-56.34	-42.46	-13.88	3
6865MHz Straddle 6.525-6.875GHz	Pass	6.87579G	-5.26	6.7882G	-39.25	-30.77	-8.48	4
6945MHz	Pass	6.9486G	-2.03	6.8086G	-55.73	-42.03	-13.70	1
6945MHz	Pass	6.97257G	-2.84	6.8018G	-56.30	-42.84	-13.46	2
6945MHz	Pass	6.941G	-2.22	6.8178G	-55.76	-42.22	-13.54	3
6945MHz	Pass	6.95419G	-3.89	6.8738G	-37.92	-27.33	-10.59	4
7025MHz	Pass	7.0274G	-4.18	6.8858G	-56.27	-44.18	-12.09	1
7025MHz	Pass	7.021G	-5.43	6.8978G	-56.58	-45.43	-11.15	2
7025MHz	Pass	7.01221G	-4.49	6.889G	-56.29	-44.49	-11.80	3
7025MHz	Pass	7.01861G	-3.40	6.9294G	-39.88	-27.15	-12.73	4
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
6025MHz	Pass	6.01941G	-1.26	6.2762G	-53.56	-41.26	-12.30	1
6025MHz	Pass	6.01221G	1.08	6.4122G	-53.50	-38.92	-14.58	2
6025MHz	Pass	6.05057G	-0.02	6.289G	-52.76	-40.02	-12.74	3
6025MHz	Pass	6.00102G	-0.48	6.3898G	-53.14	-40.48	-12.66	4
6185MHz	Pass	6.15543G	-1.46	6.4378G	-53.30	-41.42	-11.88	1
6185MHz	Pass	6.21377G	0.53	6.561G	-54.44	-39.47	-14.97	2
6185MHz	Pass	6.16182G	0.28	6.5098G	-52.97	-39.18	-13.79	3
6185MHz	Pass	6.21217G	-0.45	6.581G	-54.04	-40.45	-13.59	4
6345MHz	Pass	6.33621G	-0.46	6.7018G	-54.89	-40.46	-14.43	1
6345MHz	Pass	6.37617G	0.89	6.7314G	-54.11	-39.11	-15.00	2
6345MHz	Pass	6.38976G	0.28	6.6754G	-54.08	-39.72	-14.36	3

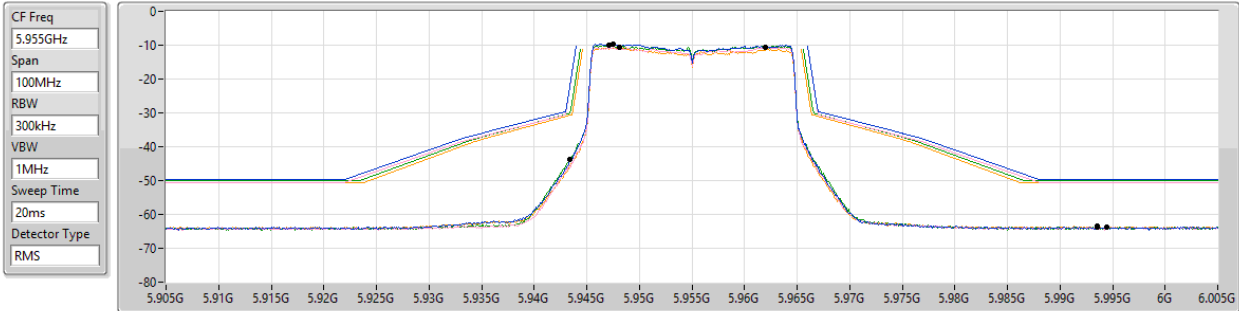
Mode	Result	Ref (Hz)	Ref (dBm)	Freq (Hz)	Level (dBm)	Limit (dBm)	Margin (dB)	Port
6345MHz	Pass	6.36018G	-0.34	6.745G	-53.76	-39.61	-14.15	4
6505MHz Straddle 6.425-6.525GHz	Pass	6.52098G	0.76	6.7858G	-52.89	-39.24	-13.65	1
6505MHz Straddle 6.425-6.525GHz	Pass	6.46824G	1.13	6.8986G	-53.13	-38.87	-14.26	2
6505MHz Straddle 6.425-6.525GHz	Pass	6.52978G	0.62	6.905G	-53.08	-39.38	-13.70	3
6505MHz Straddle 6.425-6.525GHz	Pass	6.53617G	-0.31	6.8922G	-52.74	-40.31	-12.43	4
6665MHz	Pass	6.62904G	0.63	6.2938G	-53.64	-39.37	-14.27	1
6665MHz	Pass	6.68818G	0.83	6.9322G	-51.94	-39.17	-12.77	2
6665MHz	Pass	6.68098G	0.66	7.0098G	-52.59	-38.70	-13.89	3
6665MHz	Pass	6.67059G	0.99	6.7938G	-31.62	-19.04	-12.58	4
6825MHz Straddle 6.525-6.875GHz	Pass	6.83619G	0.95	6.4586G	-53.14	-39.05	-14.09	1
6825MHz Straddle 6.525-6.875GHz	Pass	6.79383G	0.93	6.4402G	-53.42	-39.07	-14.35	2
6825MHz Straddle 6.525-6.875GHz	Pass	6.85297G	1.71	6.4666G	-53.06	-38.27	-14.79	3
6825MHz Straddle 6.525-6.875GHz	Pass	6.79143G	1.05	6.6706G	-32.59	-19.07	-13.52	4
6985MHz	Pass	6.95063G	2.06	7.3738G	-52.79	-37.94	-14.85	1
6985MHz	Pass	6.9818G	2.14	7.3826G	-52.86	-37.86	-15.00	2
6985MHz	Pass	6.95623G	2.47	7.3722G	-52.85	-37.53	-15.32	3
6985MHz	Pass	6.99859G	1.03	6.8266G	-35.84	-18.99	-16.85	4

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

MASK

5955MHz_TX

21/11/2022



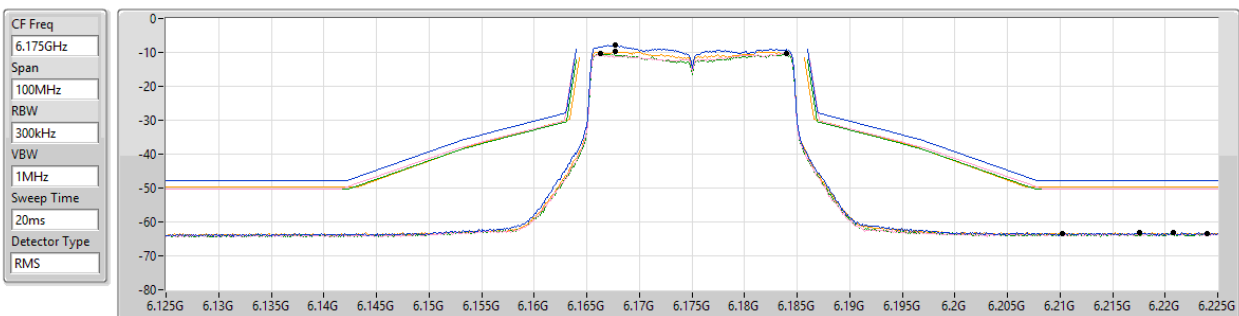
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
5.94751G	-9.58	5.9935G	-63.71	-49.58	-14.13	1
5.96199G	-10.59	5.9944G	-63.81	-50.59	-13.22	2
5.94711G	-10.07	5.9434G	-43.63	-30.12	-13.51	3
5.94811G	-10.49	5.9935G	-63.53	-50.49	-13.04	4

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

MASK

6175MHz_TX

21/11/2022

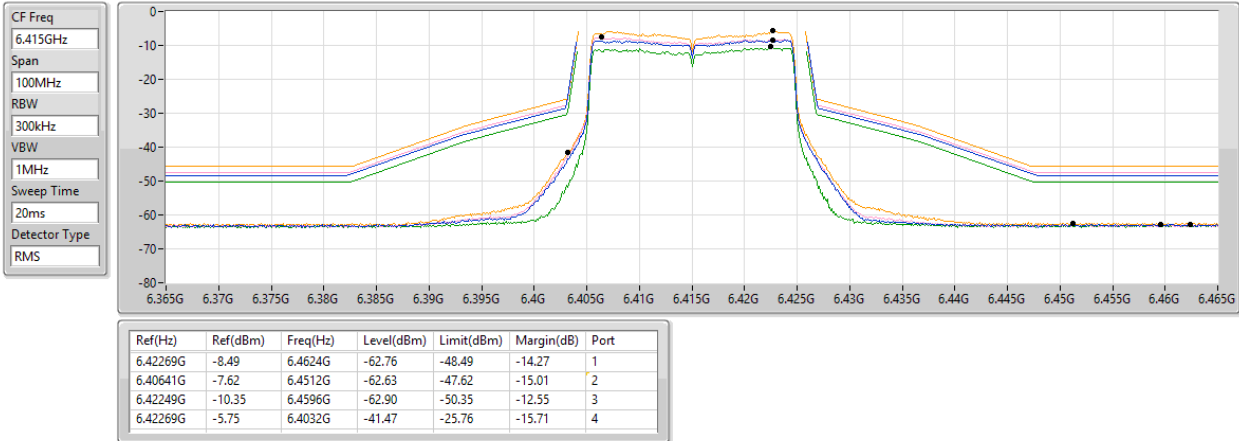


Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.16771G	-7.83	6.2208G	-63.20	-47.83	-15.37	1
6.18399G	-10.24	6.2102G	-63.52	-50.24	-13.28	2
6.16631G	-10.39	6.224G	-63.50	-50.39	-13.11	3
6.16771G	-9.72	6.2176G	-63.08	-49.72	-13.36	4

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX 6415MHz_TX

MASK

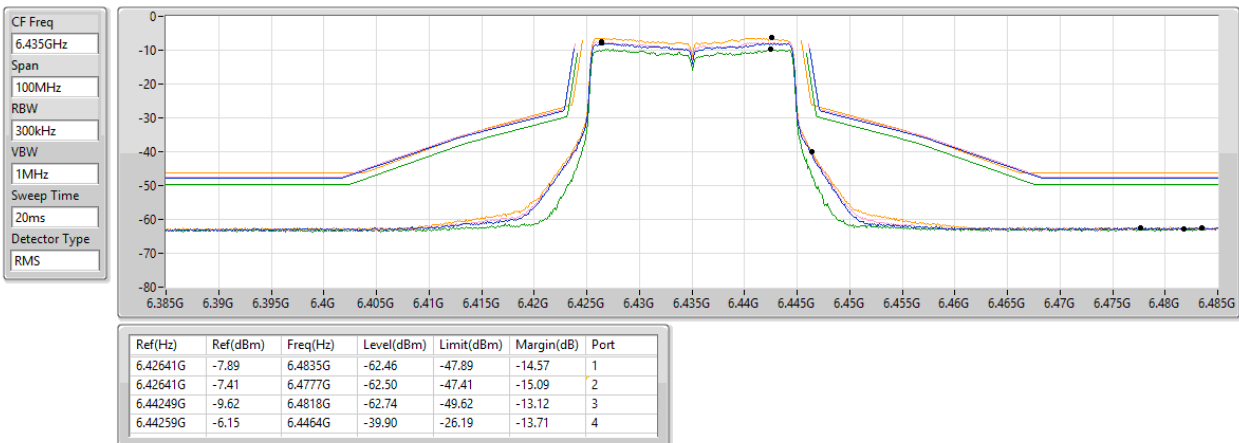
21/11/2022



6.425-6.525GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX 6435MHz_TX

MASK

21/11/2022

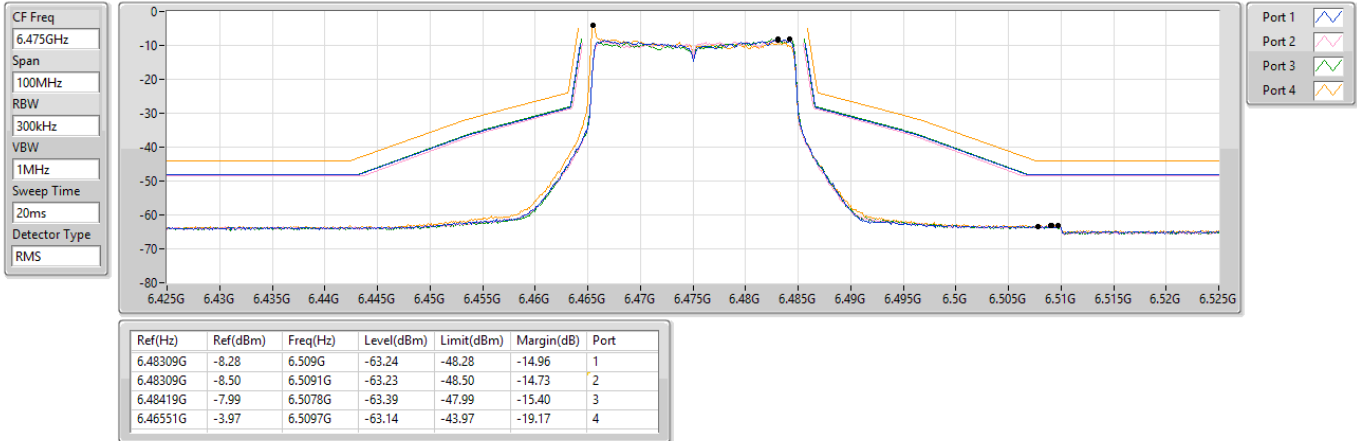


6.425-6.525GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

6475MHz_TX

MASK

22/11/2022

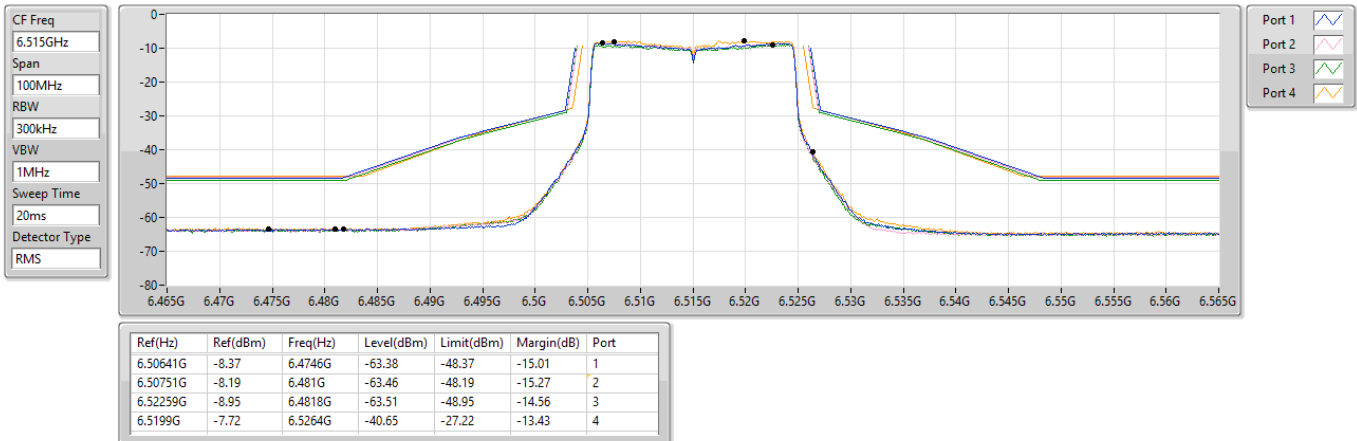


6.425-6.525GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

6515MHz_TX

MASK

21/11/2022

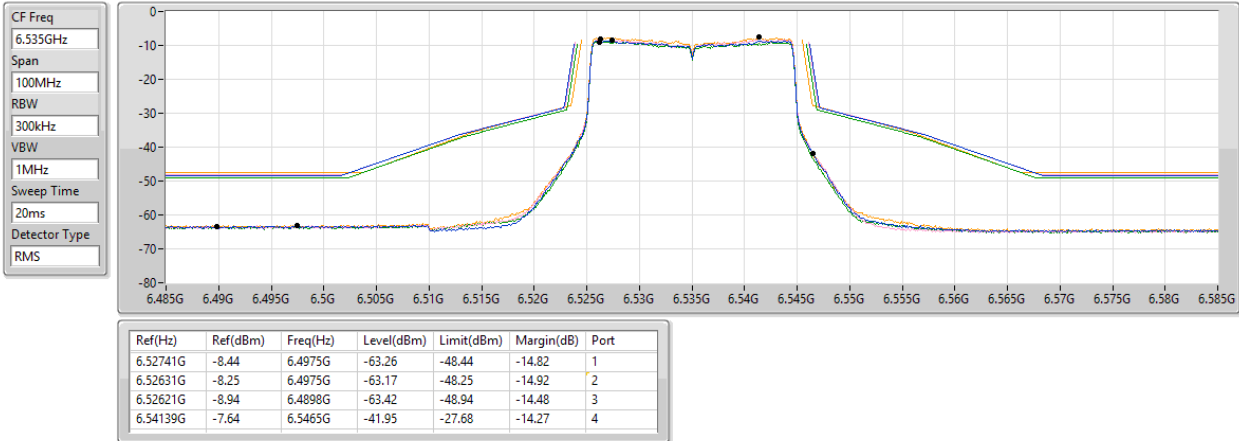


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

MASK

6535MHz_TX

21/11/2022

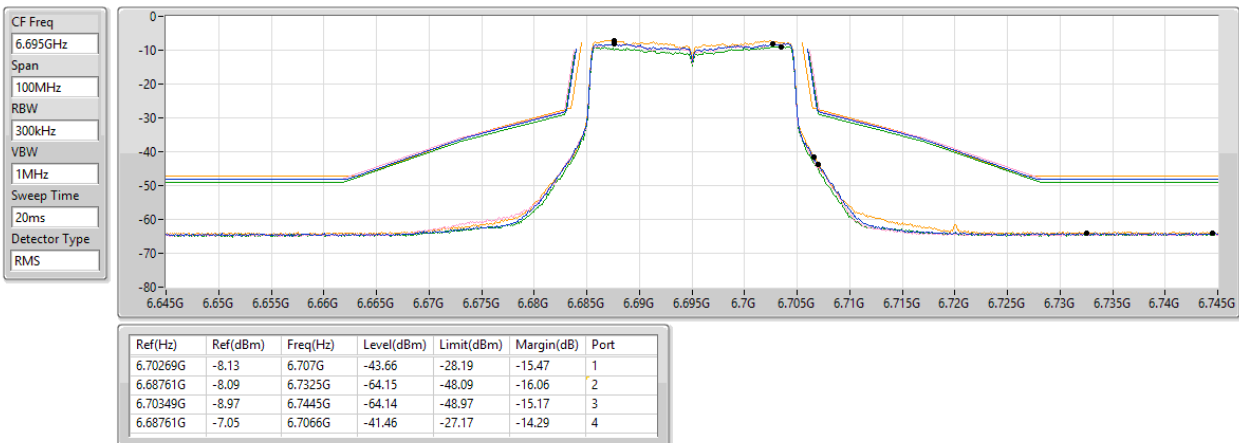


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

MASK

6695MHz_TX

21/11/2022

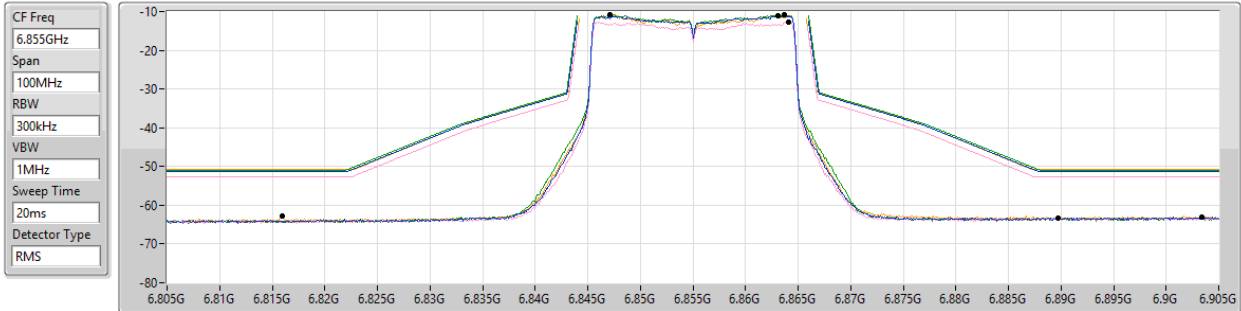


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

6855MHz_TX

MASK

21/11/2022



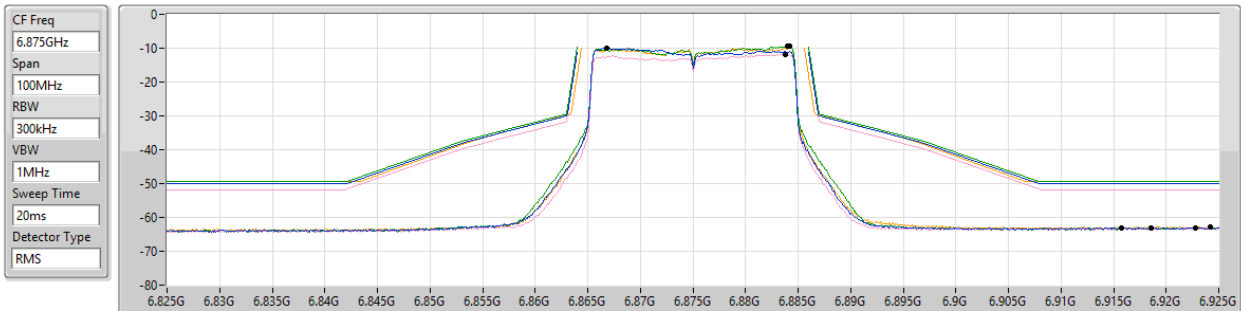
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.86309G	-11.23	6.9034G	-63.10	-51.23	-11.87	1
6.86409G	-12.73	6.9034G	-63.15	-52.73	-10.42	2
6.86369G	-10.94	6.8897G	-63.23	-50.94	-12.29	3
6.84711G	-10.77	6.816G	-62.77	-50.77	-12.00	4

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

6875MHz Straddle 6.525-6.875GHz_TX

MASK

21/11/2022



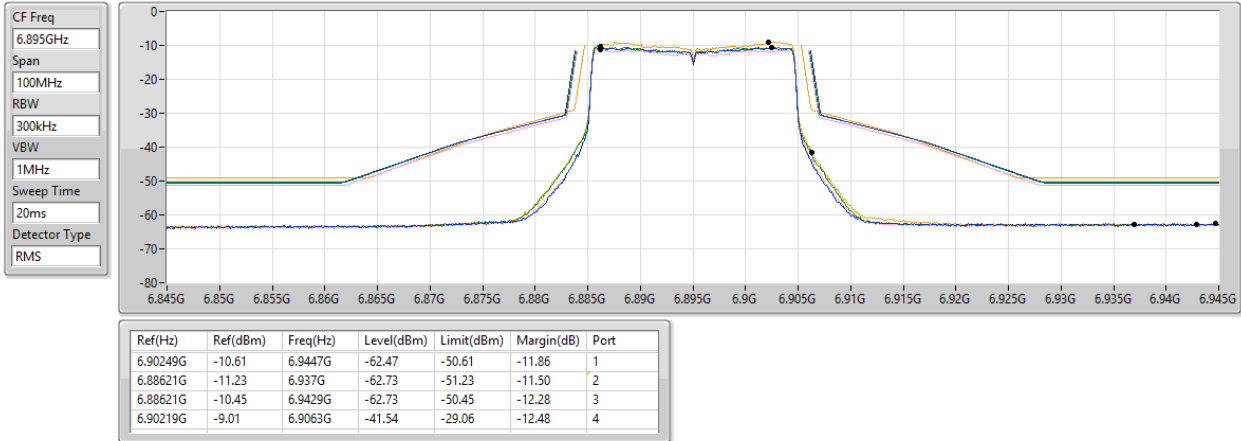
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.86681G	-9.94	6.9158G	-62.98	-49.94	-13.04	1
6.88379G	-11.76	6.9228G	-63.04	-51.76	-11.28	2
6.88399G	-9.49	6.9186G	-63.03	-49.49	-13.54	3
6.88419G	-9.50	6.9242G	-62.69	-49.50	-13.19	4

6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

6895MHz_TX

MASK

21/11/2022

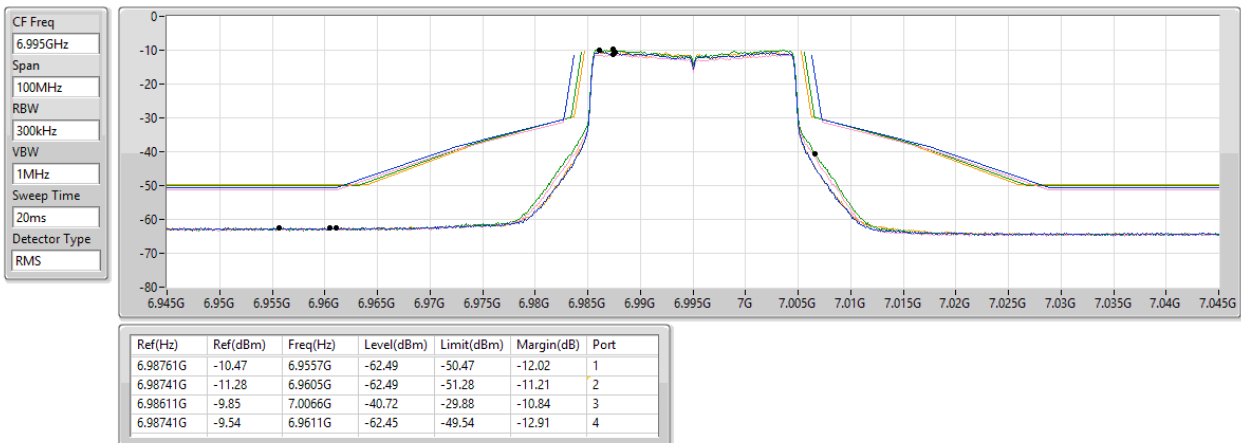


6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

6995MHz_TX

MASK

21/11/2022

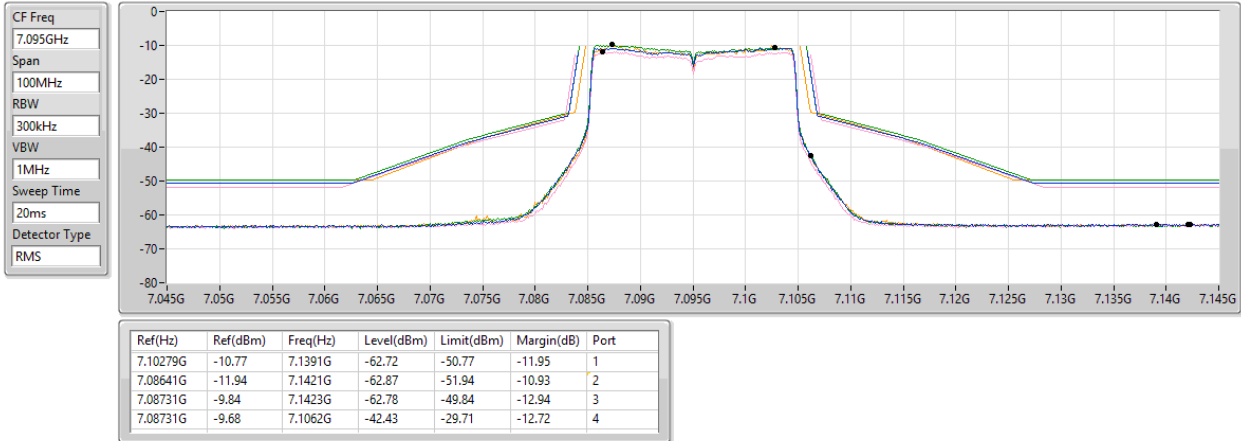


6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

7095MHz_TX

MASK

21/11/2022

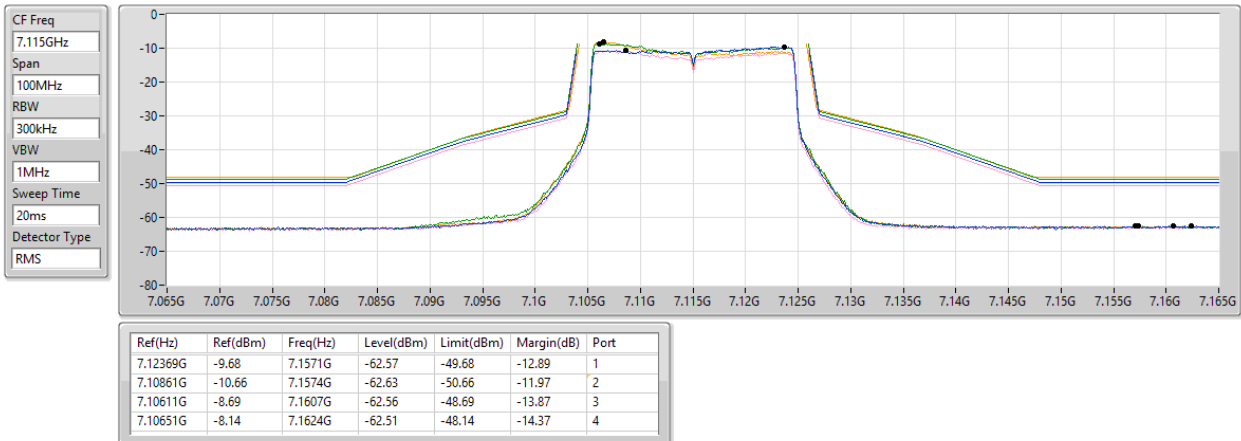


6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

7115MHz_TX

MASK

21/11/2022

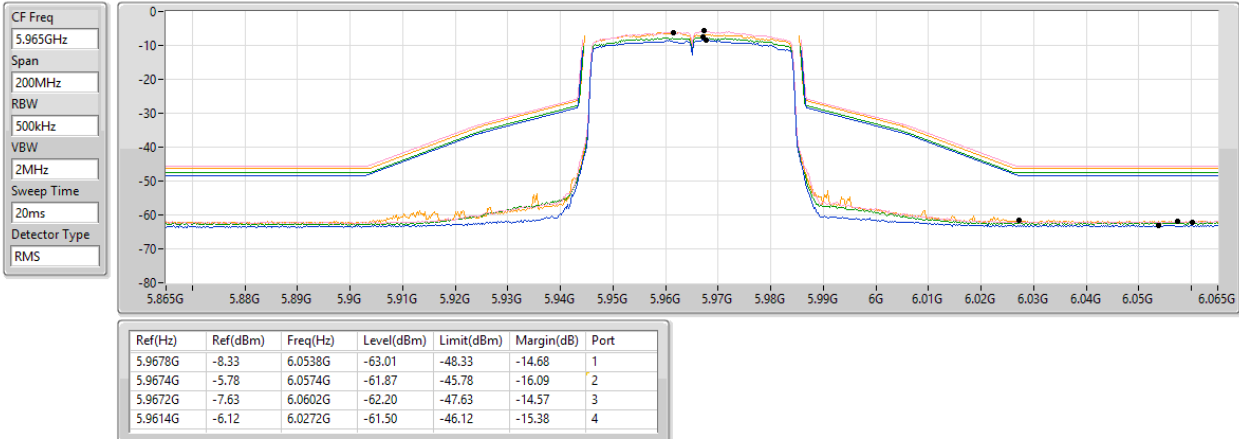


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

5965MHz_TX

21/11/2022

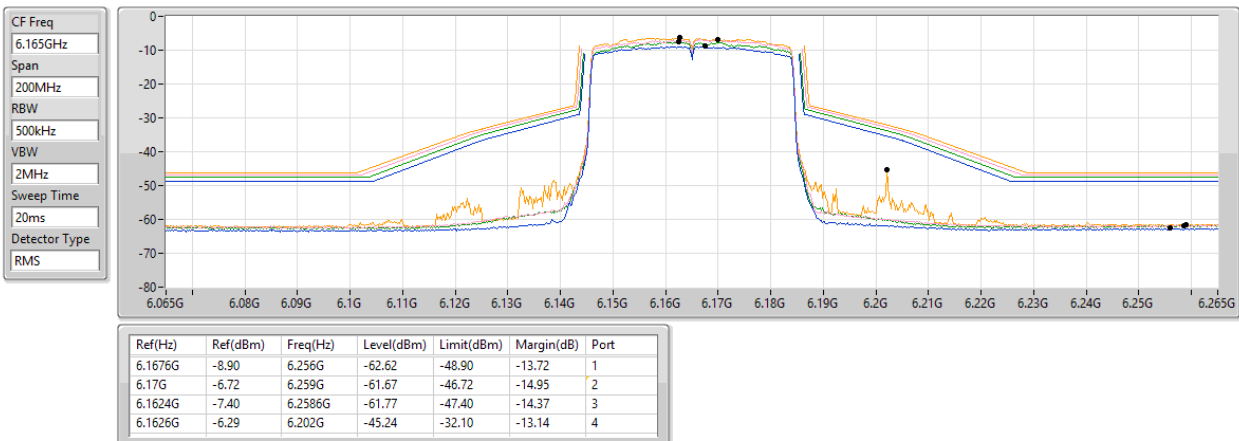


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6165MHz_TX

21/11/2022



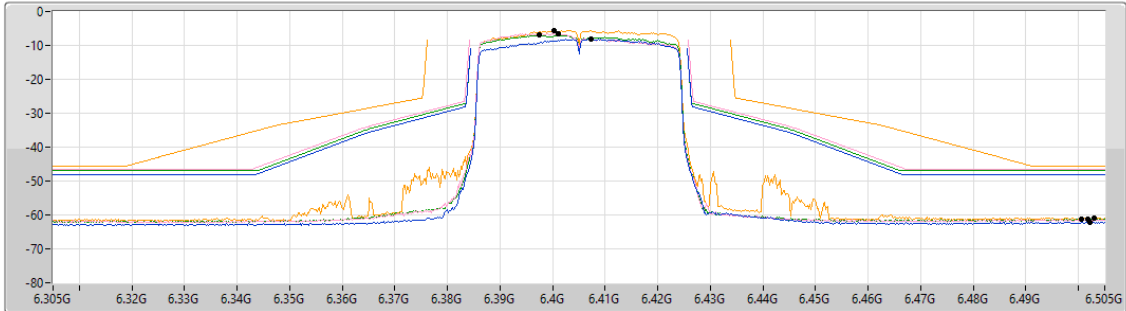
5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6405MHz_TX

21/11/2022

CF Freq
6.405GHz
Span
200MHz
RBW
500kHz
VBW
2MHz
Sweep Time
20ms
Detector Type
RMS



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.4074G	-8.06	6.5022G	-62.10	-48.06	-14.04	1
6.401G	-6.48	6.5006G	-61.23	-46.48	-14.75	2
6.39741G	-7.02	6.5018G	-61.15	-47.02	-14.13	3
6.4002G	-5.48	6.503G	-60.79	-45.48	-15.31	4

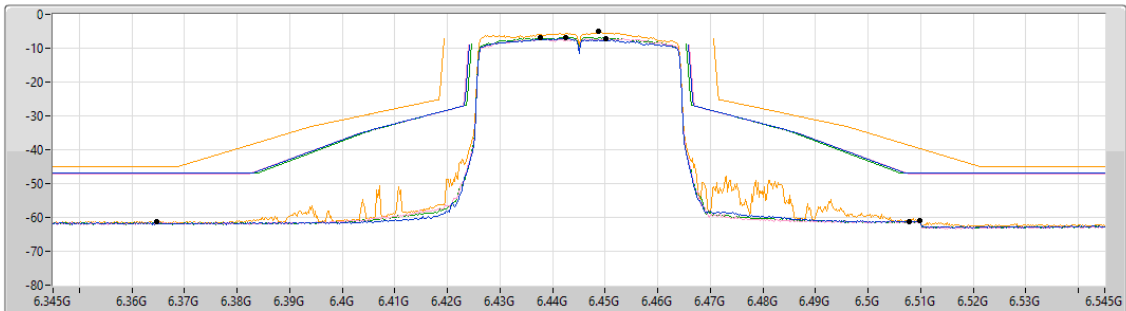
6.425-6.525GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6445MHz_TX

21/11/2022

CF Freq
6.445GHz
Span
200MHz
RBW
500kHz
VBW
2MHz
Sweep Time
20ms
Detector Type
RMS



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.4424G	-6.95	6.5098G	-61.09	-46.95	-14.14	1
6.45019G	-7.13	6.5078G	-61.15	-47.13	-14.02	2
6.43761G	-6.80	6.5078G	-61.18	-46.80	-14.38	3
6.4488G	-5.14	6.3646G	-61.19	-45.14	-16.05	4

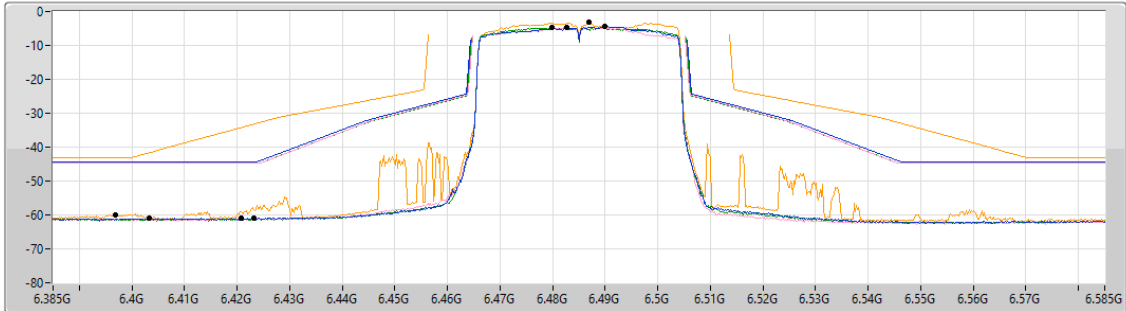
6.425-6.525GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6485MHz_TX

21/11/2022

CF Freq
6.485GHz
Span
200MHz
RBW
500kHz
VBW
2MHz
Sweep Time
20ms
Detector Type
RMS



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.49G	-4.33	6.4032G	-61.02	-44.33	-16.69	1
6.4826G	-4.54	6.4232G	-61.08	-44.54	-16.54	2
6.47981G	-4.80	6.4208G	-61.07	-44.80	-16.27	3
6.487G	-3.11	6.3968G	-59.92	-43.11	-16.81	4

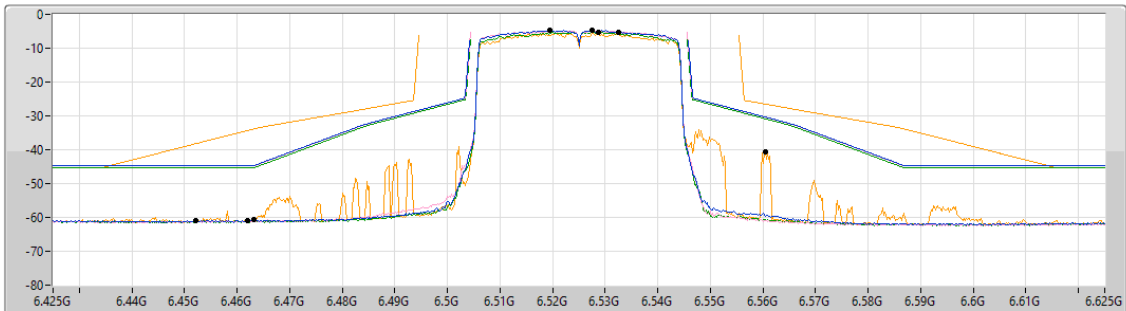
6.425-6.525GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

MASK

6525MHz Straddle 6.425-6.525GHz_TX

21/11/2022

CF Freq
6.525GHz
Span
200MHz
RBW
500kHz
VBW
2MHz
Sweep Time
20ms
Detector Type
RMS



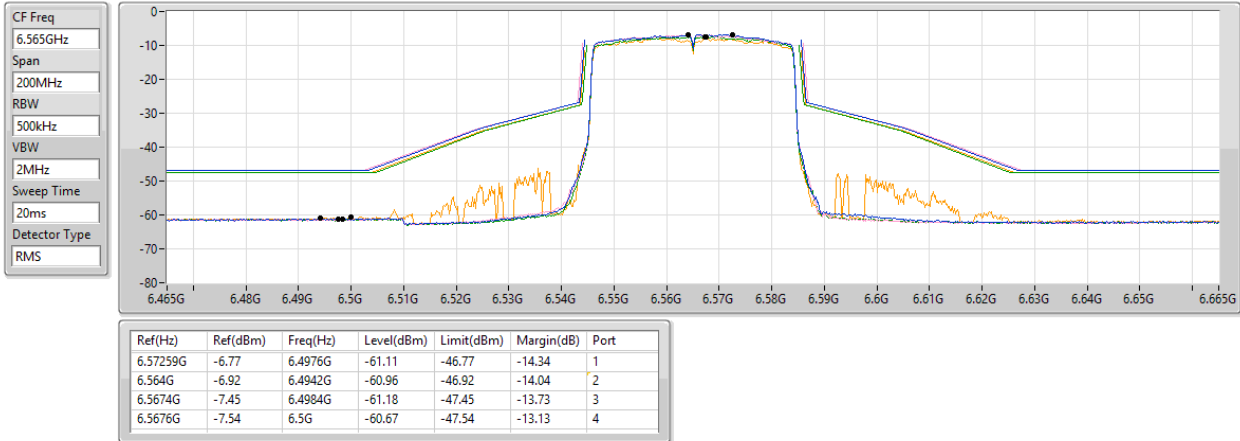
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.51941G	-4.75	6.4632G	-60.75	-44.68	-16.07	1
6.5276G	-4.77	6.462G	-61.03	-44.77	-16.26	2
6.5288G	-5.16	6.4522G	-61.05	-45.16	-15.89	3
6.53259G	-5.43	6.5604G	-40.78	-26.53	-14.25	4

6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

6565MHz_TX

MASK

21/11/2022

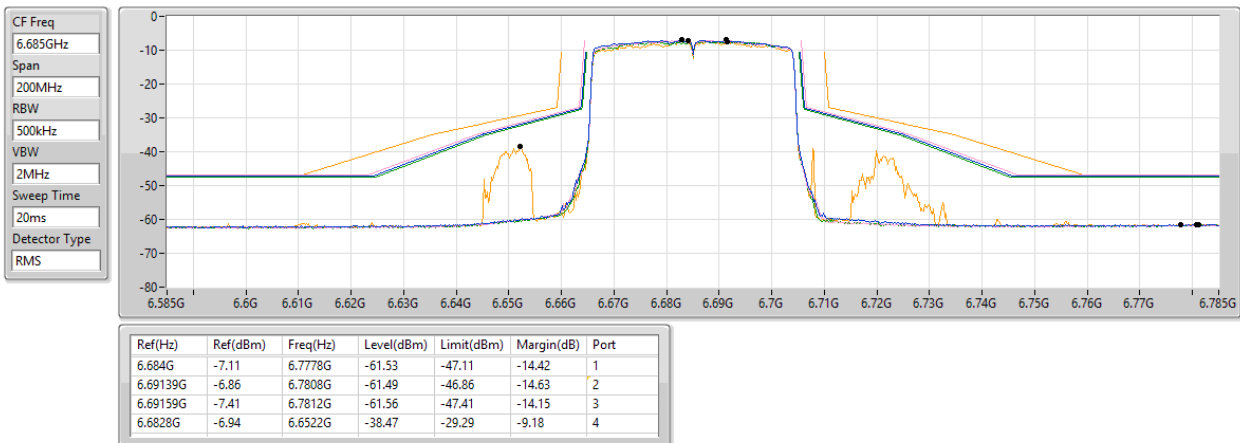


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

6685MHz_TX

MASK

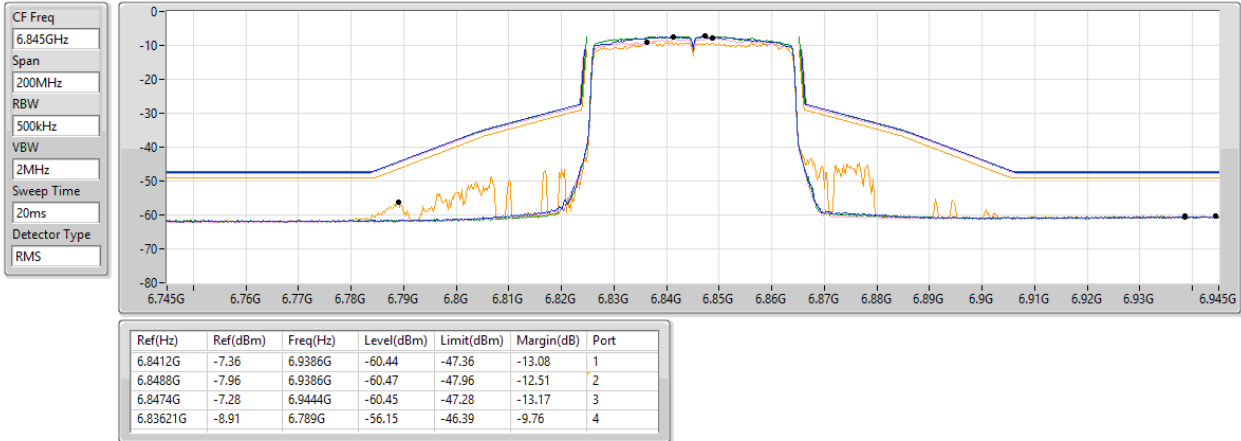
21/11/2022



6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX 6845MHz_TX

MASK

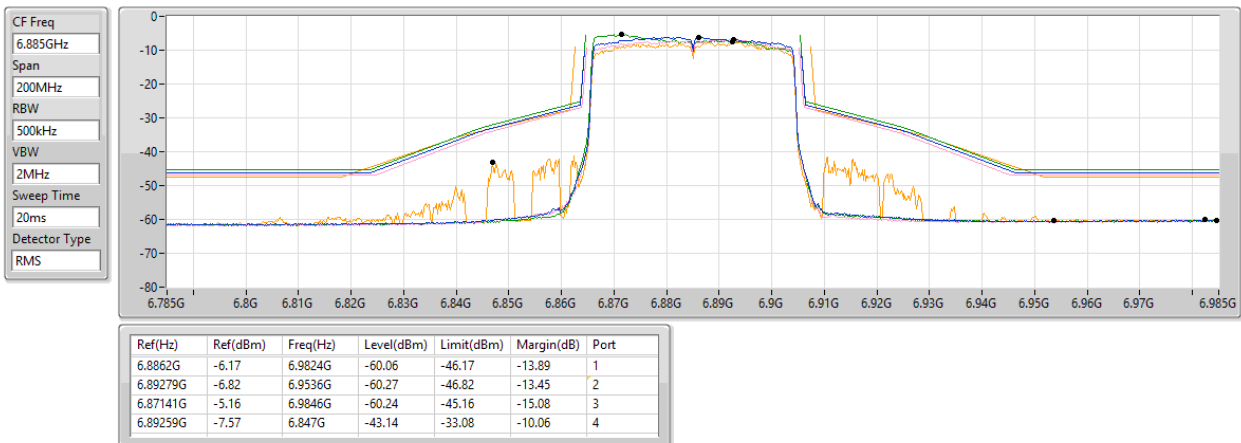
21/11/2022



6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX 6885MHz Straddle 6.525-6.875GHz_TX

MASK

21/11/2022



6.875-7.125GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

6925MHz_TX

MASK

21/11/2022

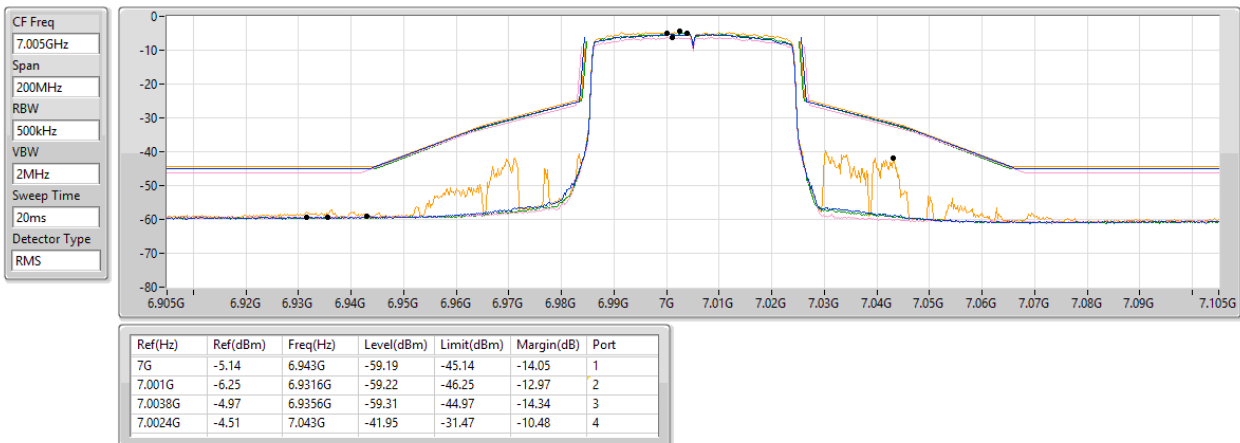


6.875-7.125GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

7005MHz_TX

MASK

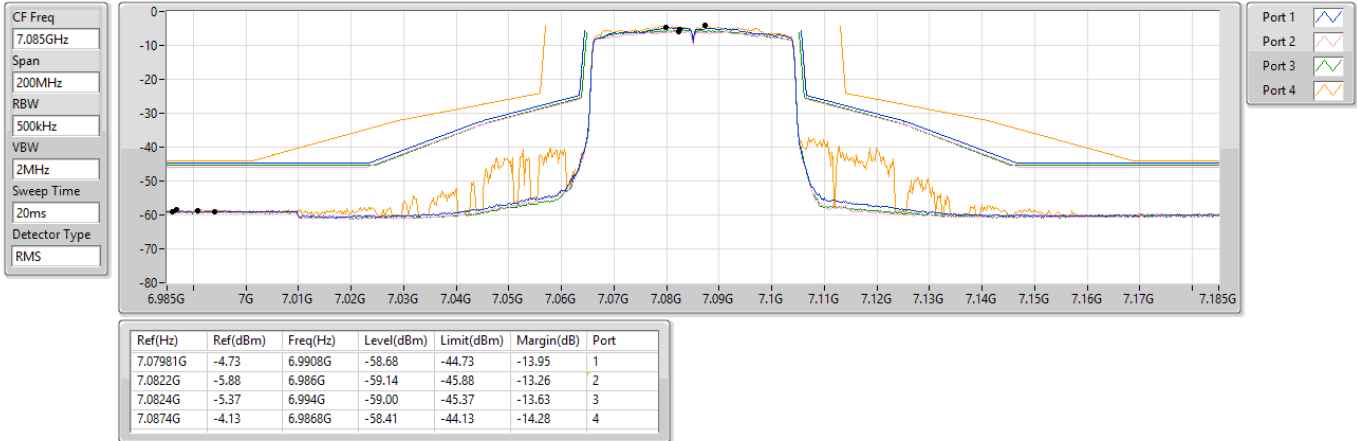
21/11/2022



6.875-7.125GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX 7085MHz_TX

MASK

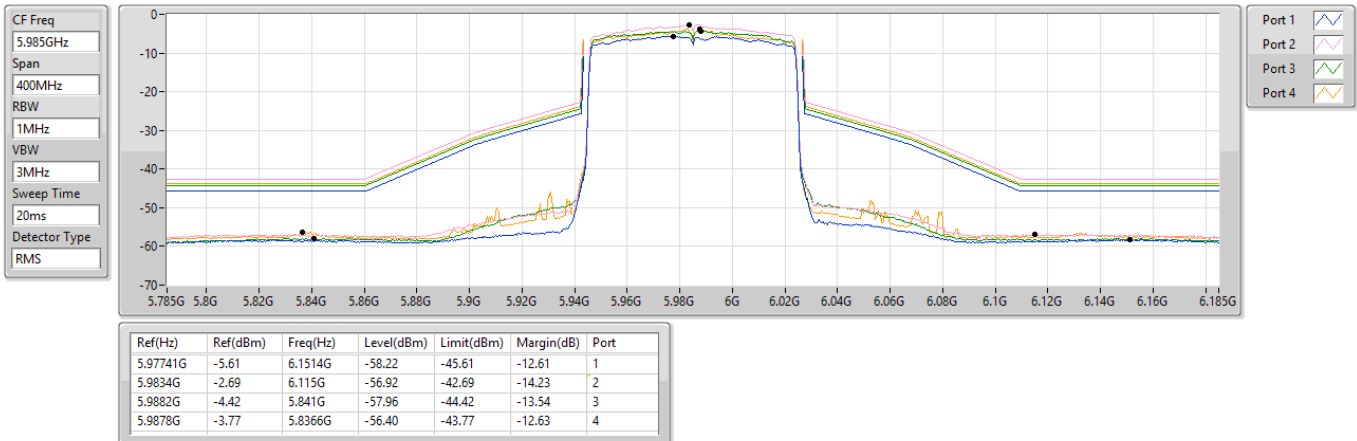
21/11/2022



5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX 5985MHz_TX

MASK

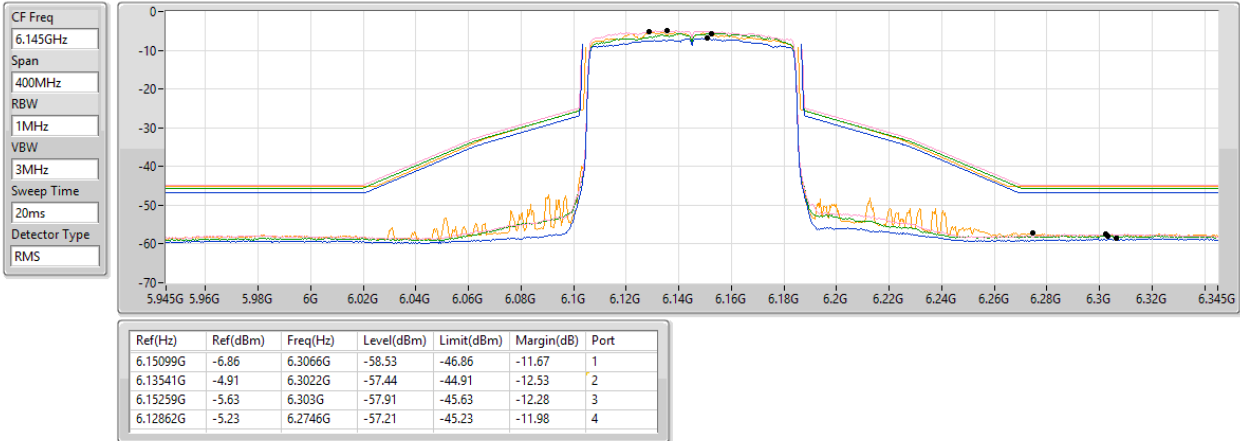
21/11/2022



5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX 6145MHz_TX

MASK

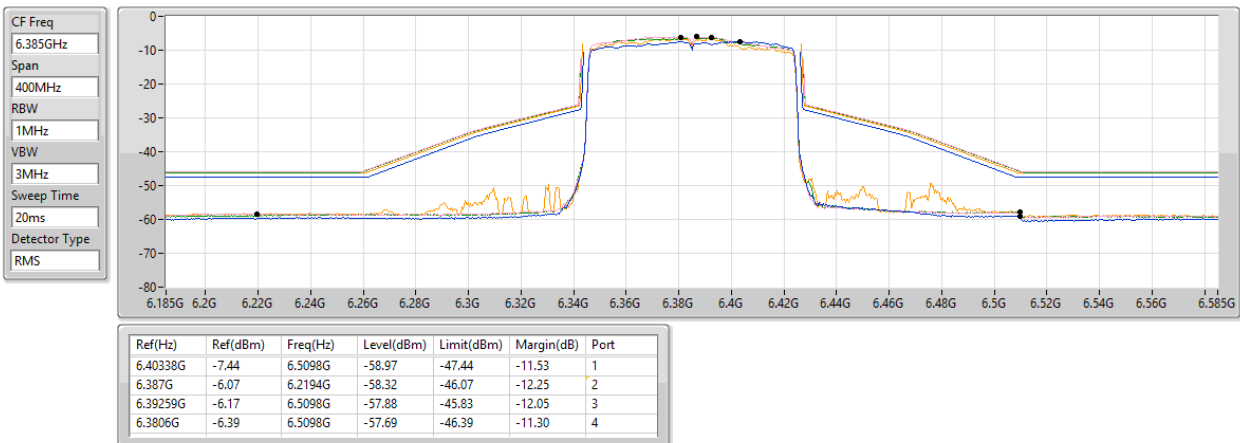
21/11/2022



5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX 6385MHz_TX

MASK

21/11/2022

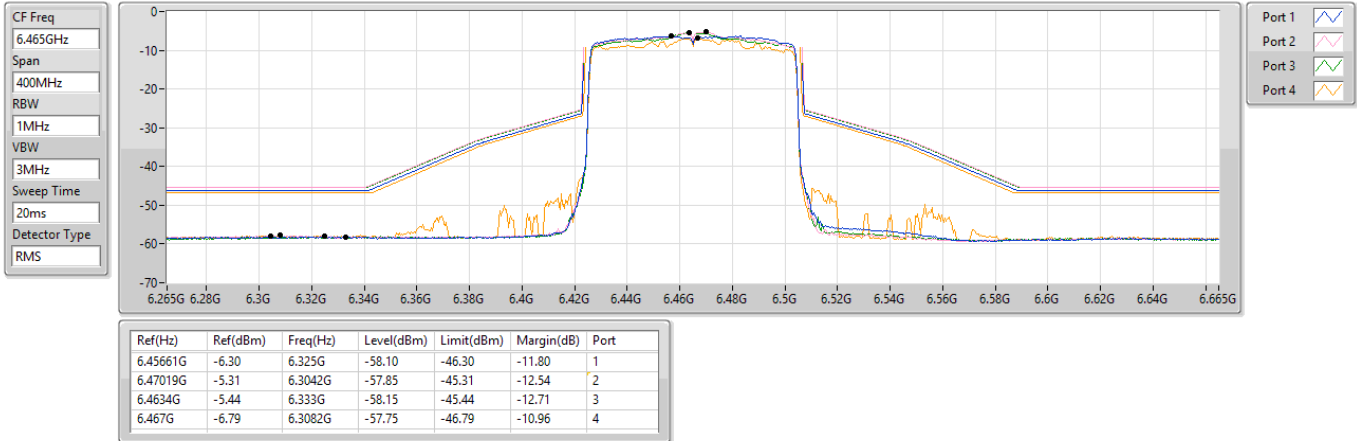


6.425-6.525GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

6465MHz_TX

21/11/2022

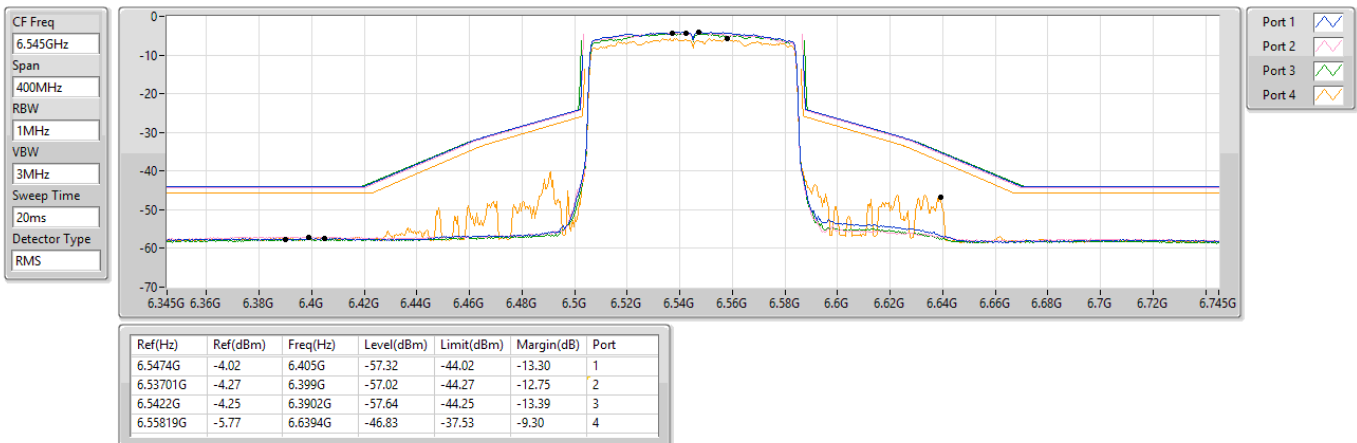


6.425-6.525GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

6545MHz Straddle 6.425-6.525GHz_TX

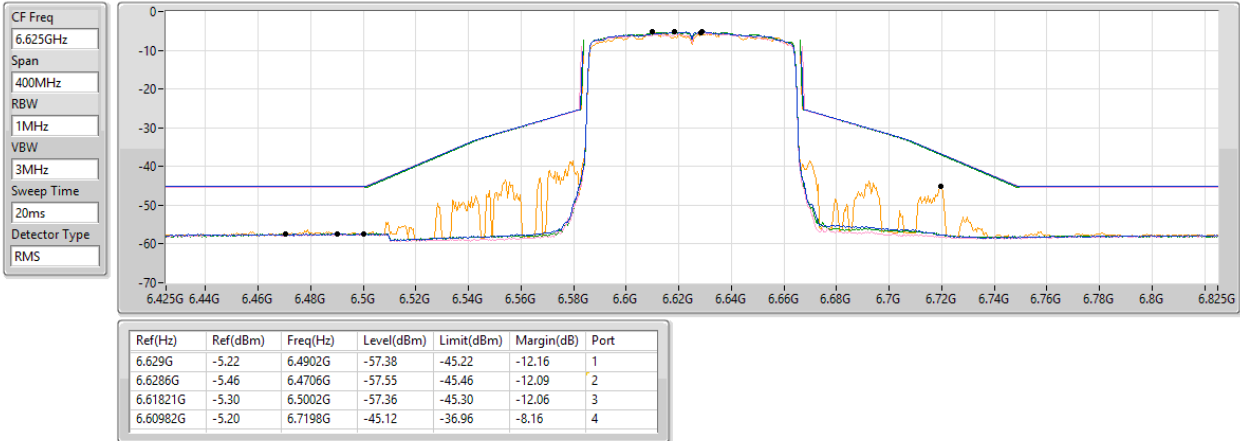
21/11/2022



6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX 6625MHz_TX

MASK

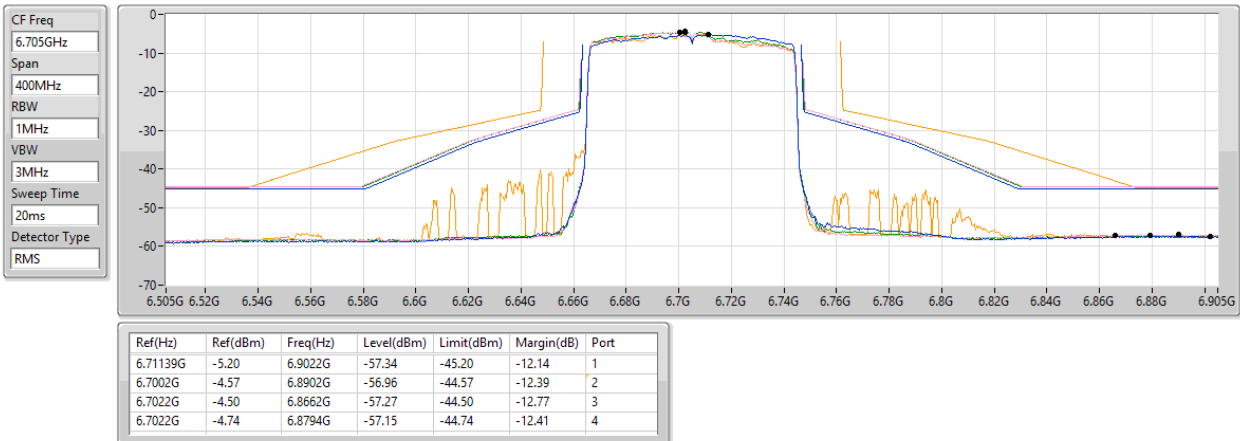
21/11/2022



6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX 6705MHz_TX

MASK

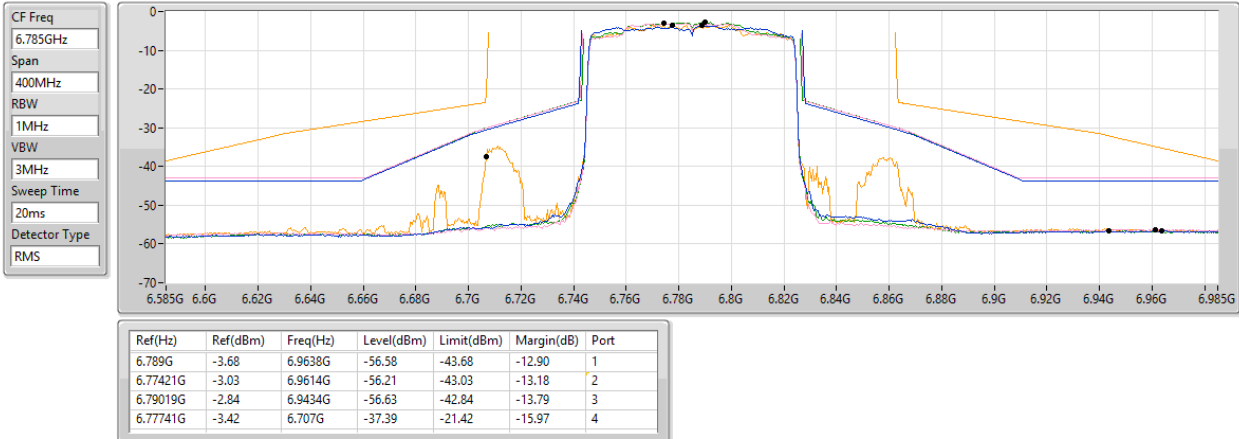
21/11/2022



6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX 6785MHz_TX

MASK

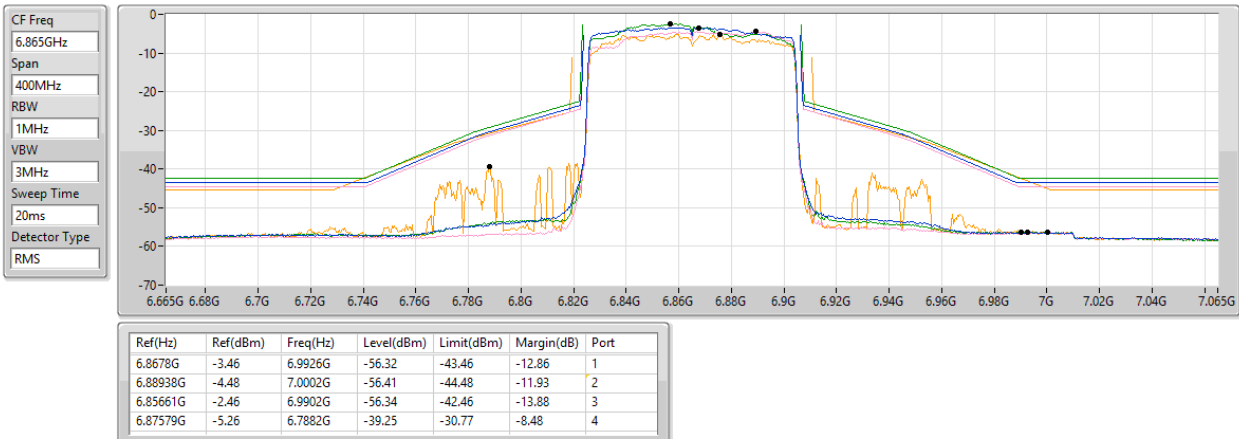
21/11/2022



6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX 6865MHz Straddle 6.525-6.875GHz_TX

MASK

21/11/2022



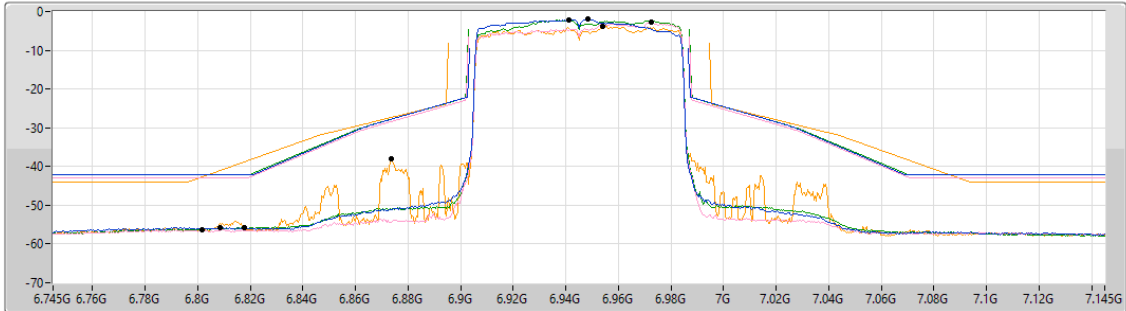
6.875-7.125GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

6945MHz_TX

21/11/2022

CF Freq
6.945GHz
Span
400MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1
Port 2
Port 3
Port 4

Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.9486G	-2.03	6.8086G	-55.73	-42.03	-13.70	1
6.97257G	-2.84	6.8018G	-56.30	-42.84	-13.46	2
6.941G	-2.22	6.8178G	-55.76	-42.22	-13.54	3
6.95419G	-3.89	6.8738G	-37.92	-27.33	-10.59	4

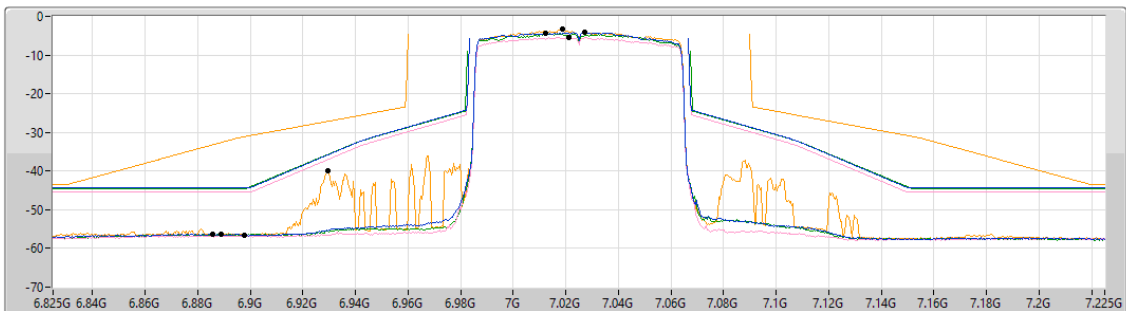
6.875-7.125GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

MASK

7025MHz_TX

21/11/2022

CF Freq
7.025GHz
Span
400MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



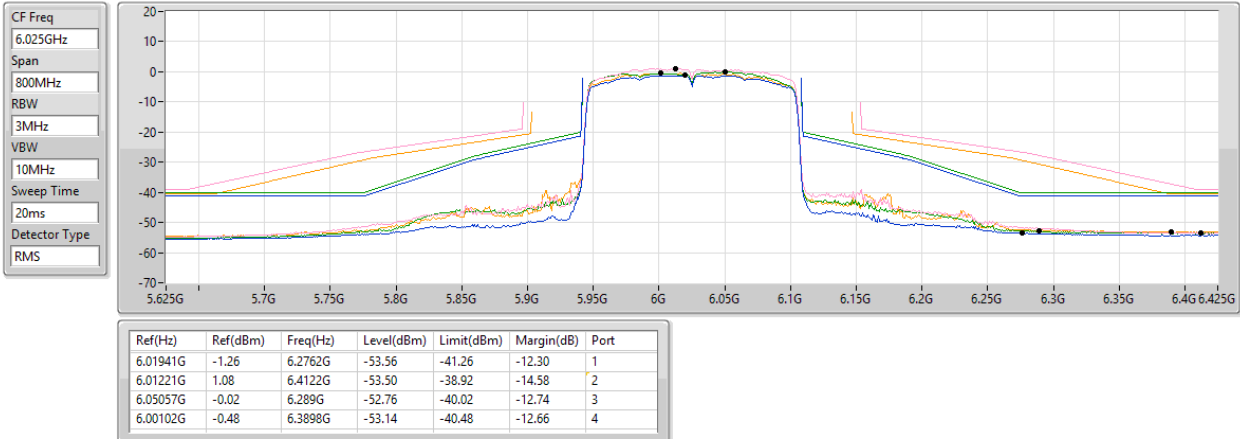
Port 1
Port 2
Port 3
Port 4

Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
7.0274G	-4.18	6.8858G	-56.27	-44.18	-12.09	1
7.021G	-5.43	6.8978G	-56.58	-45.43	-11.15	2
7.01221G	-4.49	6.889G	-56.29	-44.49	-11.80	3
7.01861G	-3.40	6.9294G	-39.88	-27.15	-12.73	4

5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX 6025MHz_TX

MASK

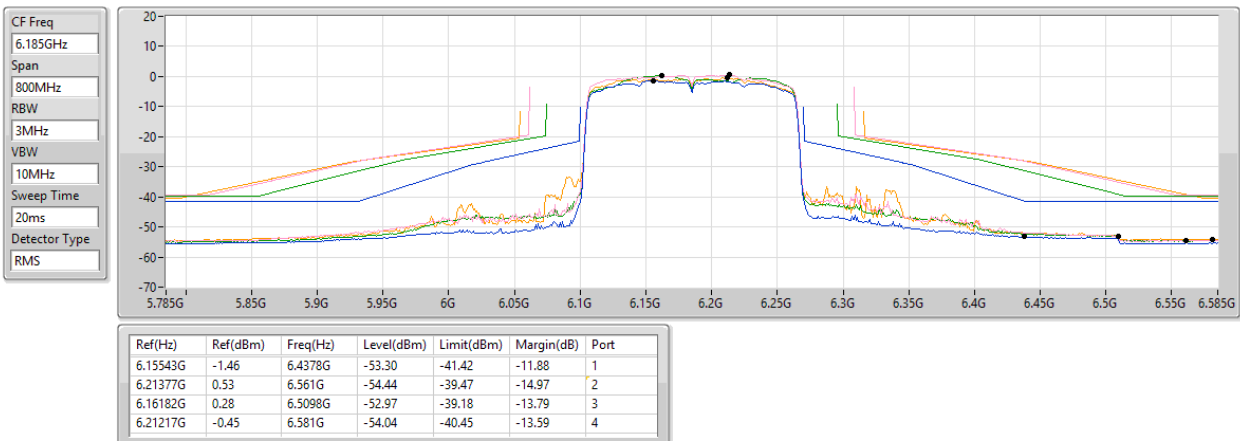
21/11/2022



5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX 6185MHz_TX

MASK

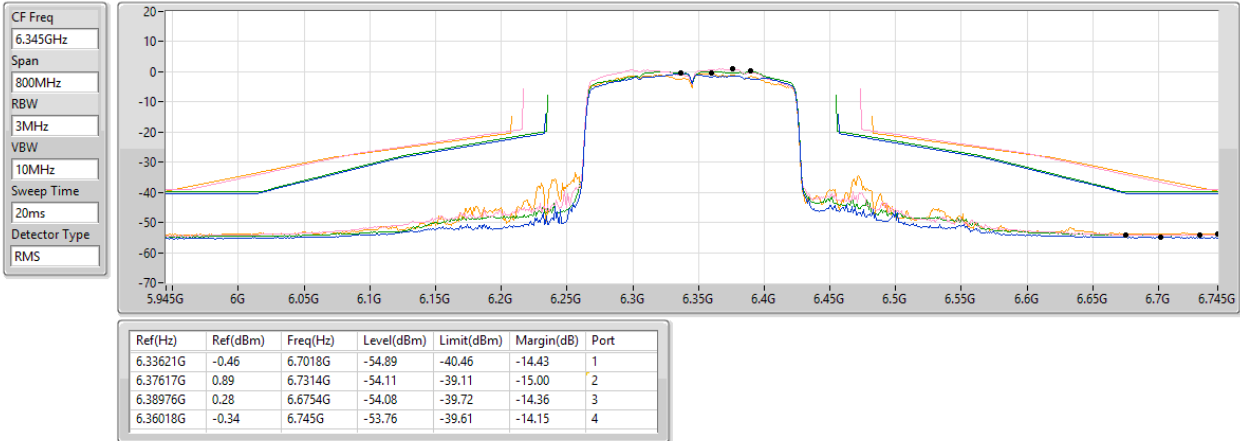
21/11/2022



5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX 6345MHz_TX

MASK

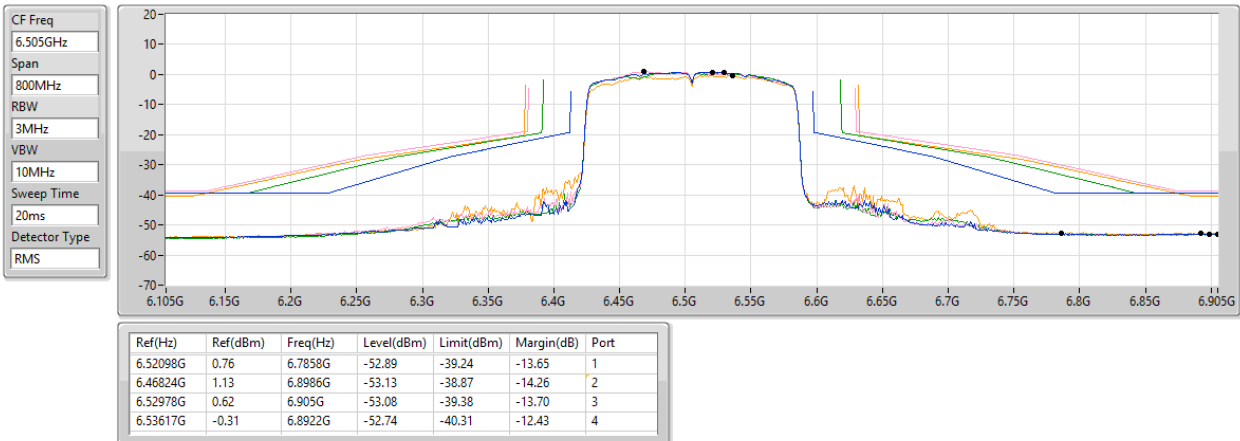
21/11/2022



6.425-6.525GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX 6505MHz Straddle 6.425-6.525GHz_TX

MASK

21/11/2022



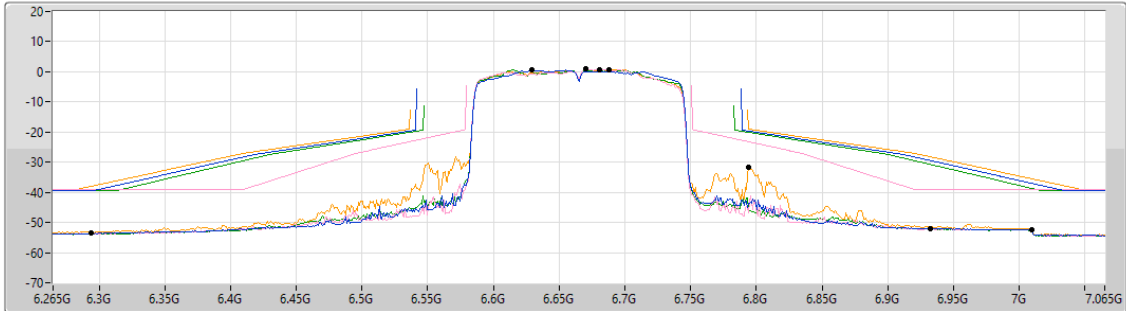
6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

MASK

6665MHz_TX

21/11/2022

CF Freq
6.665GHz
Span
800MHz
RBW
3MHz
VBW
10MHz
Sweep Time
20ms
Detector Type
RMS



Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.62904G	0.63	6.2938G	-53.64	-39.37	-14.27	1
6.68818G	0.83	6.9322G	-51.94	-39.17	-12.77	2
6.68098G	0.66	7.0098G	-52.59	-38.70	-13.89	3
6.67059G	0.99	6.7938G	-31.62	-19.04	-12.58	4

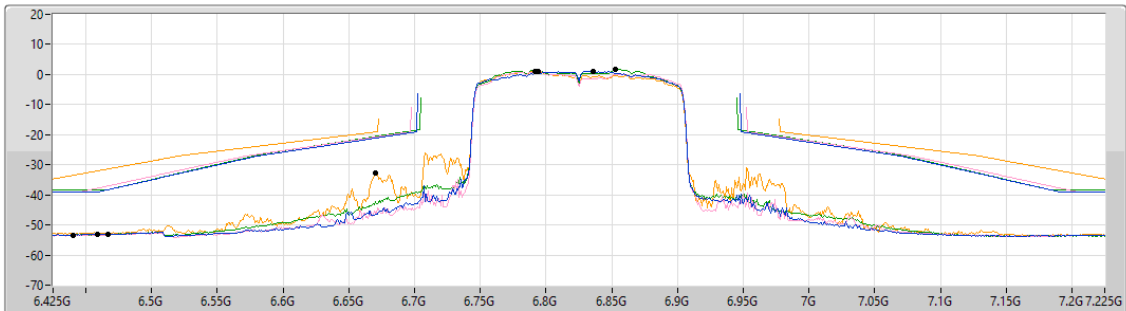
6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

MASK

6825MHz Straddle 6.525-6.875GHz_TX

21/11/2022

CF Freq
6.825GHz
Span
800MHz
RBW
3MHz
VBW
10MHz
Sweep Time
20ms
Detector Type
RMS



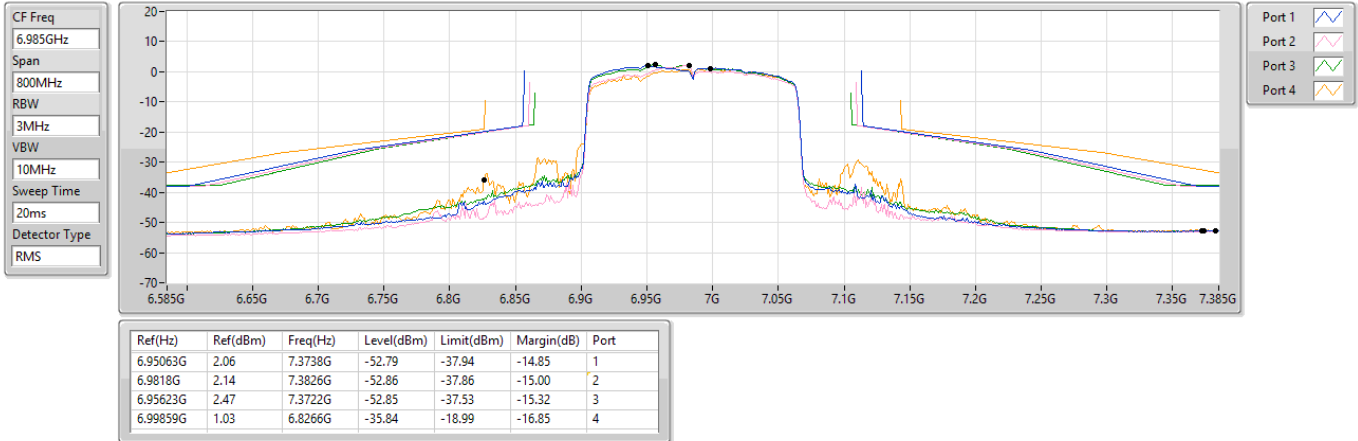
Ref(Hz)	Ref(dBm)	Freq(Hz)	Level(dBm)	Limit(dBm)	Margin(dB)	Port
6.83619G	0.95	6.4586G	-53.14	-39.05	-14.09	1
6.79383G	0.93	6.4402G	-53.42	-39.07	-14.35	2
6.85297G	1.71	6.4666G	-53.06	-38.27	-14.79	3
6.79143G	1.05	6.6706G	-32.59	-19.07	-13.52	4

6.875-7.125GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

6985MHz_TX

MASK

21/11/2022



Contention Based protocol 802.11ax HEW20											
UNII Band	Channel	Bandwidth (MHz)	Frequency (MHz)	Interference frequency (MHz)		AWGN Threshold Level (dBm)	EUT Status	Number of Detected (out of 10 times)	Detection Ratio (%)	Limit (%)	Test Result
5	53	20	6215	Center	6215	-70	Stop Transmission	10	100	90	PASS
						-71	Stop & with Beacon	-			
						-72	Start Transmission	-			
6	101	20	6455	Center	6455	-69	Stop Transmission	9	90	90	PASS
						-70	Stop & with Beacon	-			
						-72	Start Transmission	-			
7	149	20	6695	Center	6695	-69	Stop Transmission	10	100	90	PASS
						-70	Stop & with Beacon	-			
						-73	Start Transmission	-			
8	213	20	7015	Center	7015	-70	Stop Transmission	10	100	90	PASS
						-71	Stop & with Beacon	-			
						-73	Start Transmission	-			

Note :

1. EUT antenna gain=Band5=4.14 / Band6=2.03 / Band7=3.08 / Band8=3.31dBi considered in the measurement path loss.
2. Measurement use conducted measurement at the antenna connector.

Contention Based protocol 802.11ax HEW160											
UNII Band	Channel	Bandwidth (MHz)	Frequency (MHz)	Interference frequency (MHz)		AWGN Threshold Level (dBm)	EUT Status	Number of Detected (out of 10 times)	Detection Ratio (%)	Limit (%)	Test Result
5	47	160	6185	Low edge	6110	-66.00	Stop Transmission	10	100	90	PASS
						-67.00	Stop & with Beacon	-	-	-	-
						-69.00	Start Transmission	-	-	-	-
				Center	6185	-62.00	Stop Transmission	10	100	90	PASS
						-63.00	Stop & with Beacon	-	-	-	-
						-64.00	Start Transmission	-	-	-	-
				High edge	6260	-67.00	Stop Transmission	10	100	90	PASS
						-68.00	Stop & with Beacon	-	-	-	-
						-70.00	Start Transmission	-	-	-	-
						-70.00	Start Transmission	-	-	-	-
6	111	160	6505	Low edge	6430	-63.00	Stop Transmission	9	90	90	PASS
						-64.00	Stop & with Beacon	-	-	-	-
						-66.00	Start Transmission	-	-	-	-
				Center	6505	-63.00	Stop Transmission	9	90	90	PASS
						-64.00	Stop & with Beacon	-	-	-	-
						-66.00	Start Transmission	-	-	-	-
				High edge	6580	-68.00	Stop Transmission	10	100	90	PASS
						-69.00	Stop & with Beacon	-	-	-	-
						-70.00	Start Transmission	-	-	-	-
						-70.00	Start Transmission	-	-	-	-
7	143	160	6665	Low edge	6590	-67.00	Stop Transmission	9	90	90	PASS
						-68.00	Stop & with Beacon	-	-	-	-
						-69.00	Start Transmission	-	-	-	-
				Center	6665	-62.00	Stop Transmission	9	90	90	PASS
						-63.00	Stop & with Beacon	-	-	-	-
						-65.00	Start Transmission	-	-	-	-
				High edge	6740	-67.00	Stop Transmission	9	90	90	PASS
						-68.00	Stop & with Beacon	-	-	-	-
						-70.00	Start Transmission	-	-	-	-
						-70.00	Start Transmission	-	-	-	-
8	207	160	6985	Low edge	6910	-67.00	Stop Transmission	10	100	90	PASS
						-68.00	Stop & with Beacon	-	-	-	-
						-70.00	Start Transmission	-	-	-	-
				Center	6985	-62.00	Stop Transmission	9	90	90	PASS
						-63.00	Stop & with Beacon	-	-	-	-
						-65.00	Start Transmission	-	-	-	-
				High edge	7060	-67.00	Stop Transmission	10	100	90	PASS
						-68.00	Stop & with Beacon	-	-	-	-
						-70.00	Start Transmission	-	-	-	-
						-70.00	Start Transmission	-	-	-	-

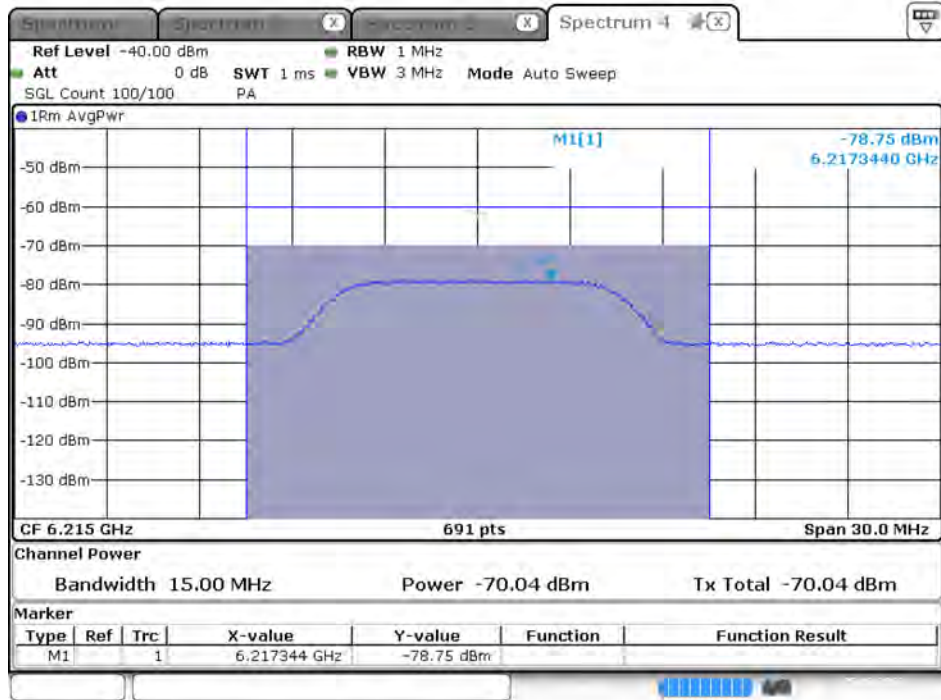
Note :

1. EUT antenna gain=Band5=4.14 / Band6=2.03 / Band7=3.08 / Band8=3.31dBi considered in the measurement path loss.
2. Measurement use conducted measurement at the antenna connector.

Incumbent signal (AWGN) Plot

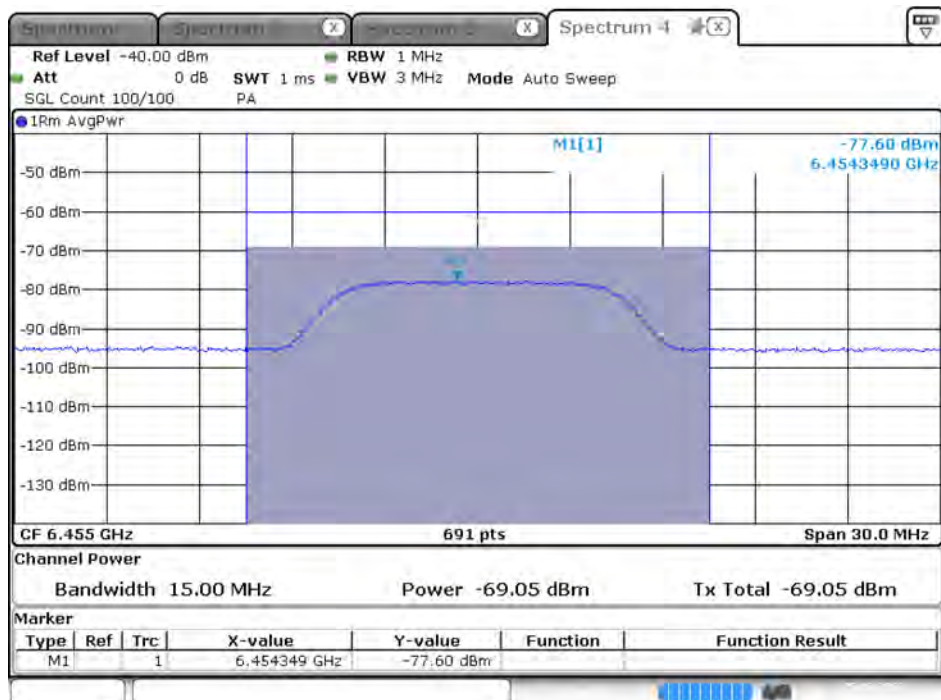
Bandwidth: 20MHz

Frequency (MHz): 6215 MHz



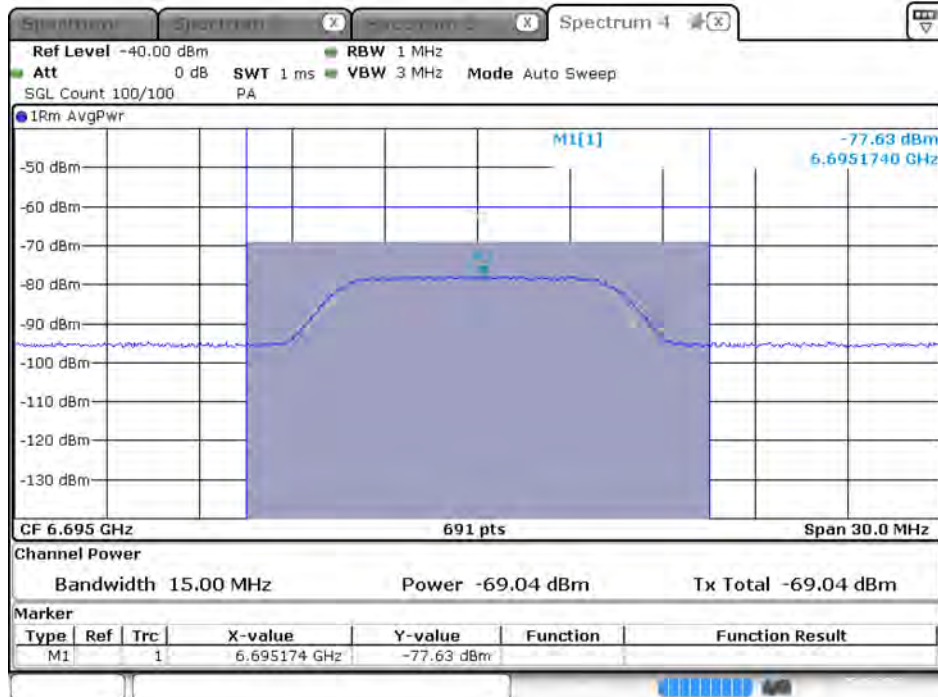
Date: 25.MAR.2022 18:45:35

Frequency (MHz): 6455 MHz



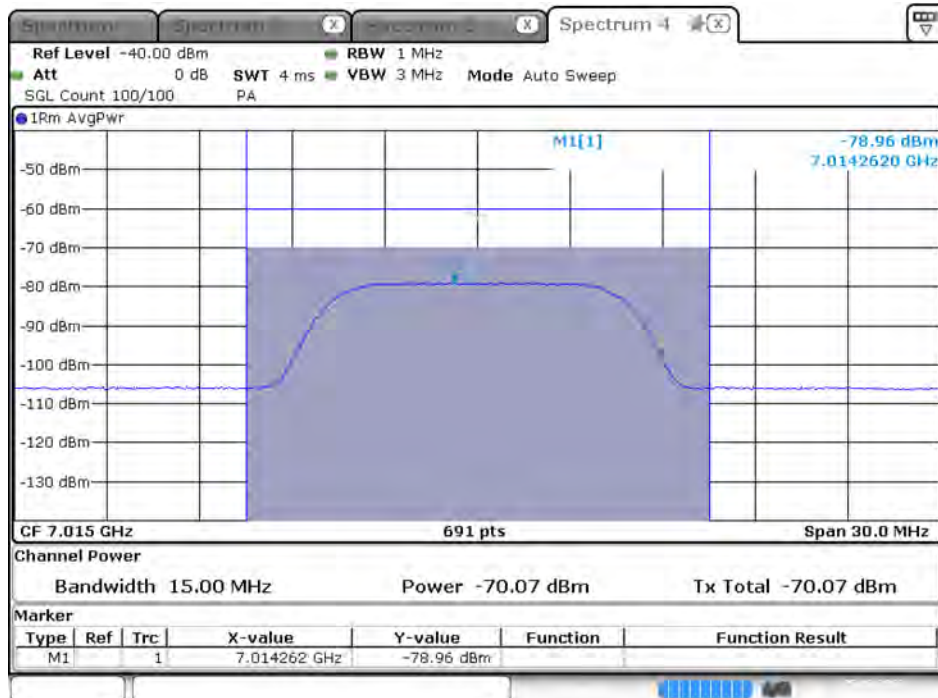
Date: 25.MAR.2022 18:48:31

Frequency (MHz): 6695 MHz



Date: 25.MAR.2022 18:50:14

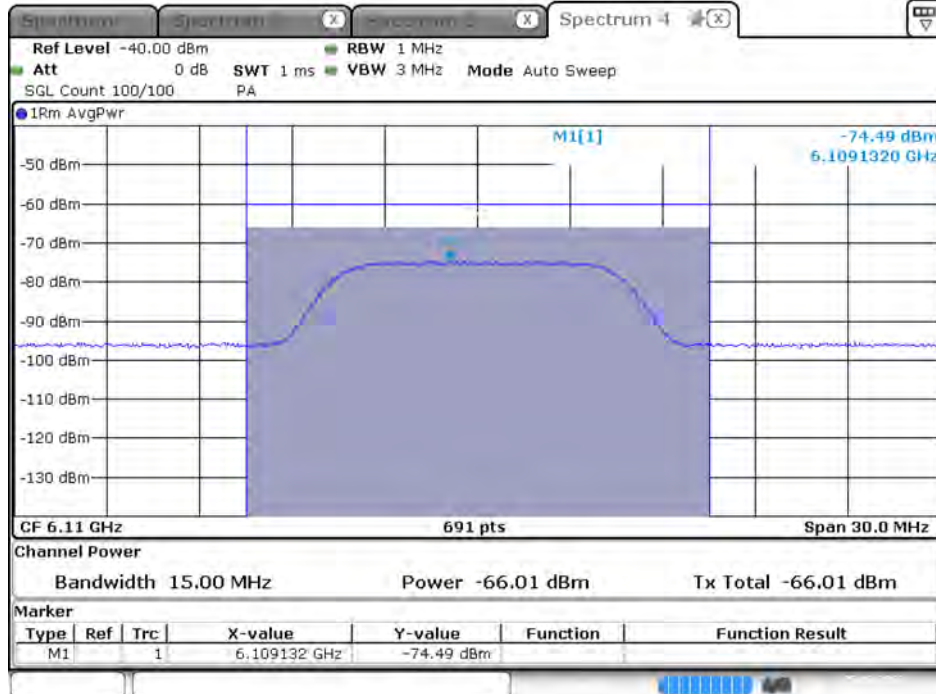
Frequency (MHz): 7015 MHz



Date: 25.MAR.2022 18:51:07

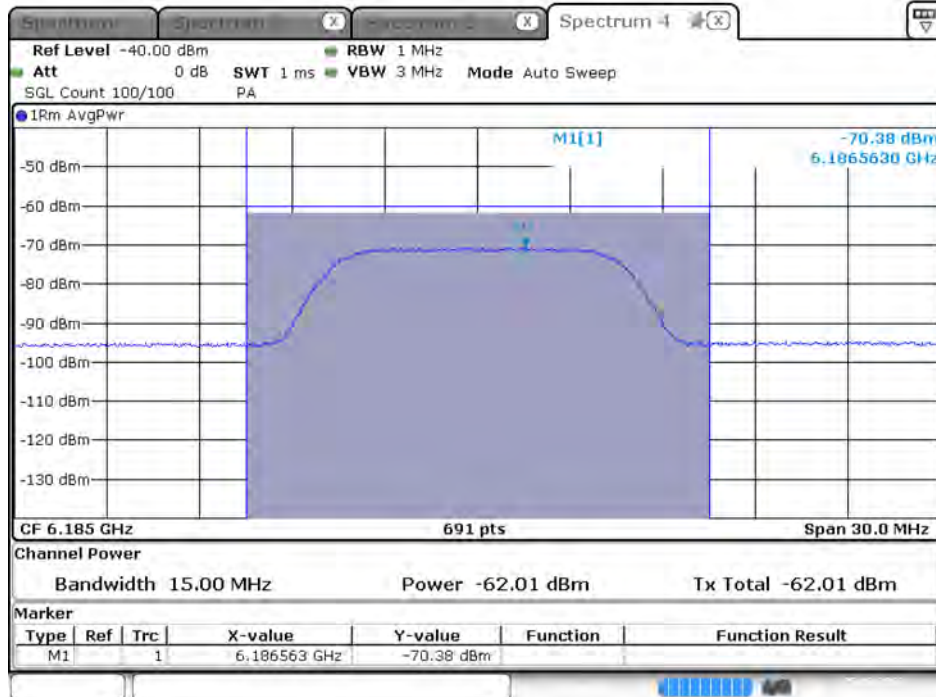
Bandwidth: 160MHz

Frequency (MHz): 6110 MHz



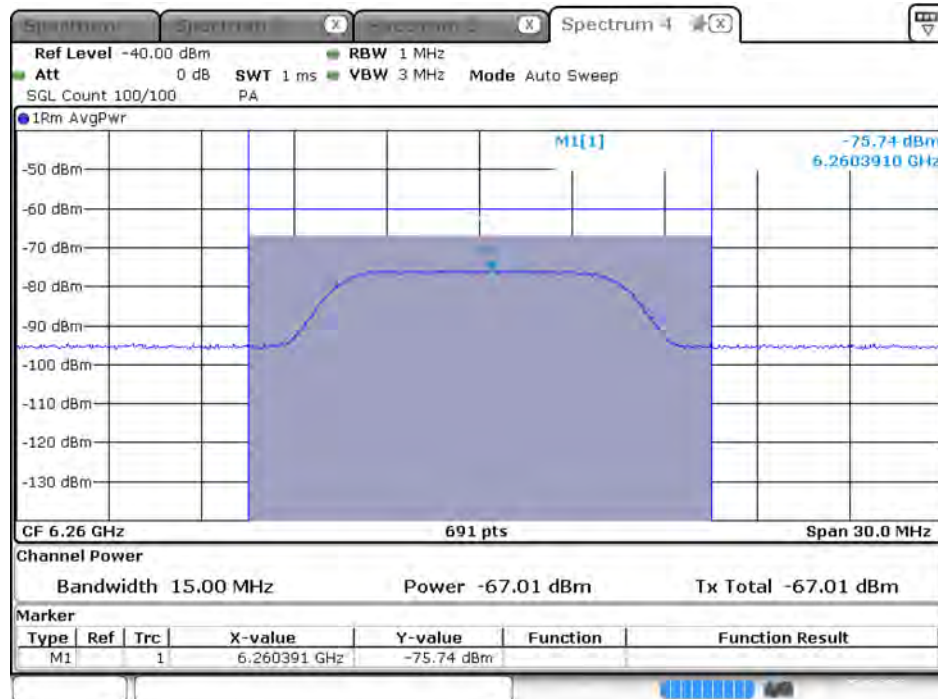
Date: 25.MAR.2022 18:51:58

Frequency (MHz): 6185 MHz



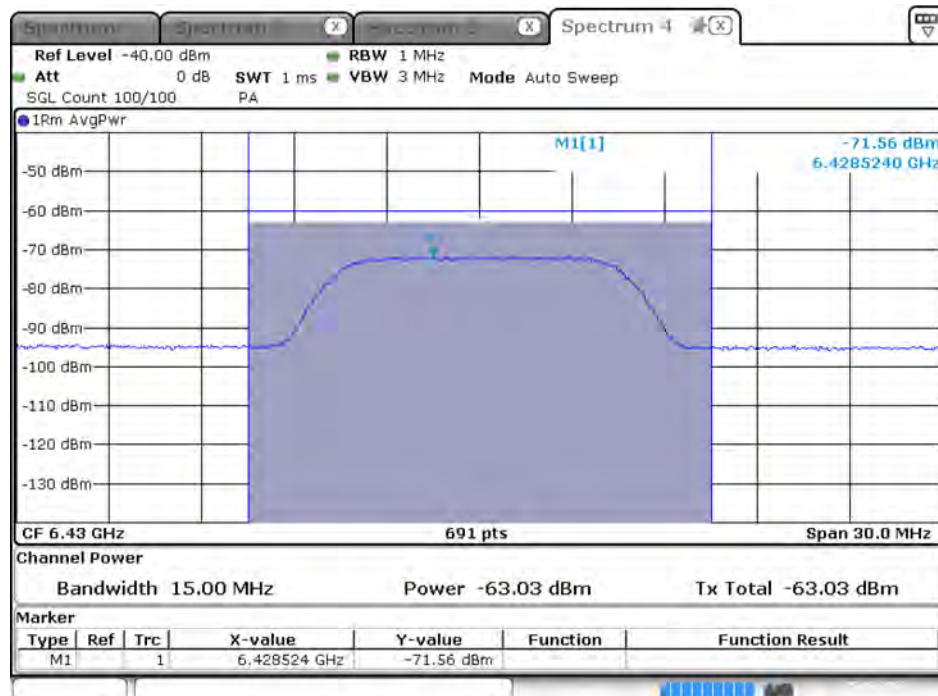
Date: 25.MAR.2022 18:57:59

Frequency (MHz): 6260 MHz



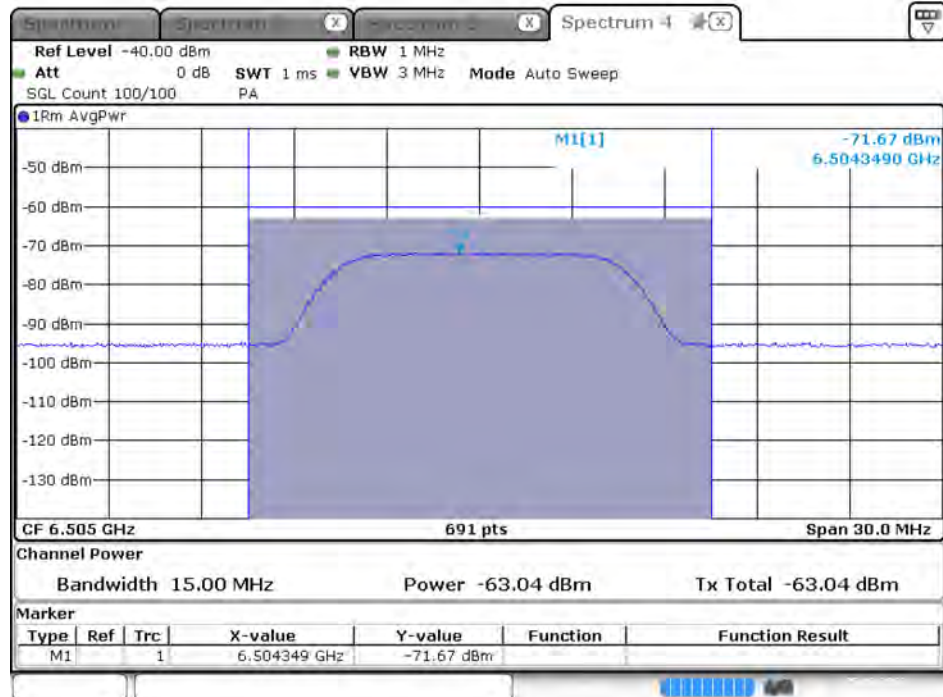
Date: 25.MAR.2022 19:15:42

Frequency (MHz): 6430 MHz



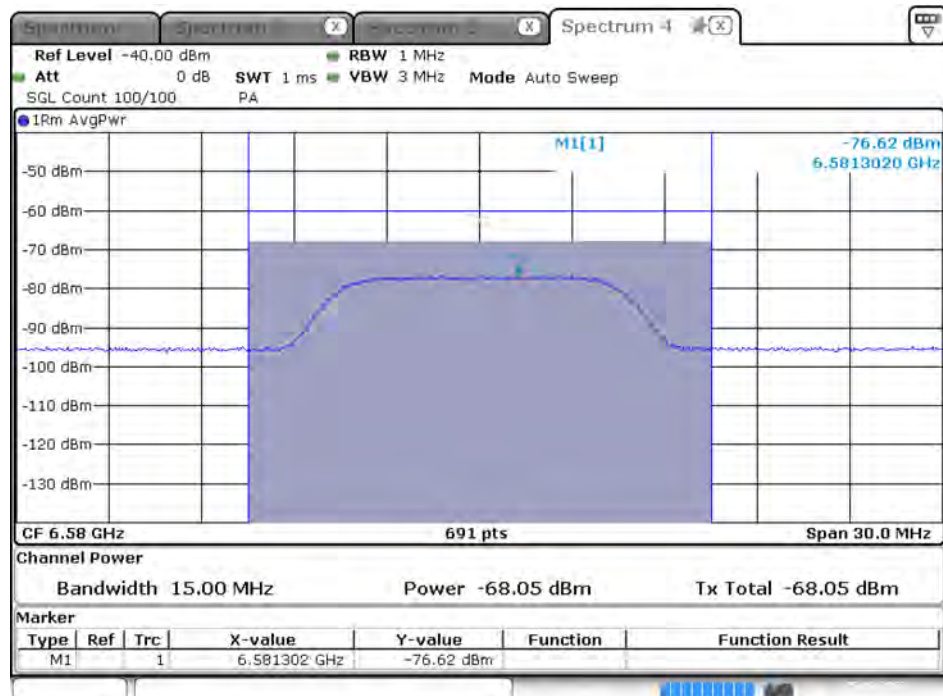
Date: 25.MAR.2022 19:16:13

Frequency (MHz): 6505 MHz



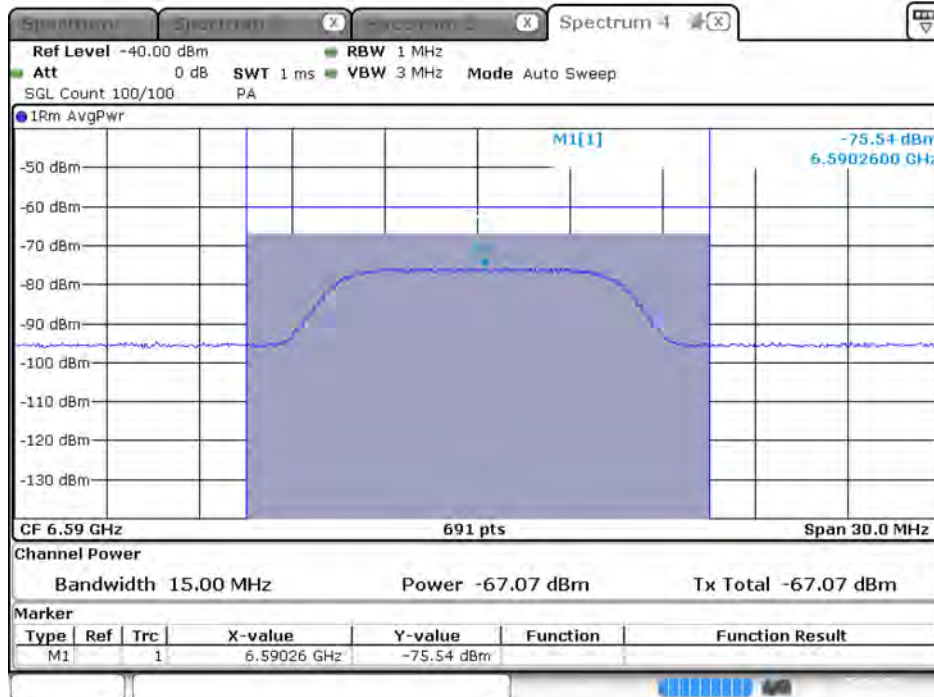
Date: 25.MAR.2022 19:16:38

Frequency (MHz): 6580 MHz



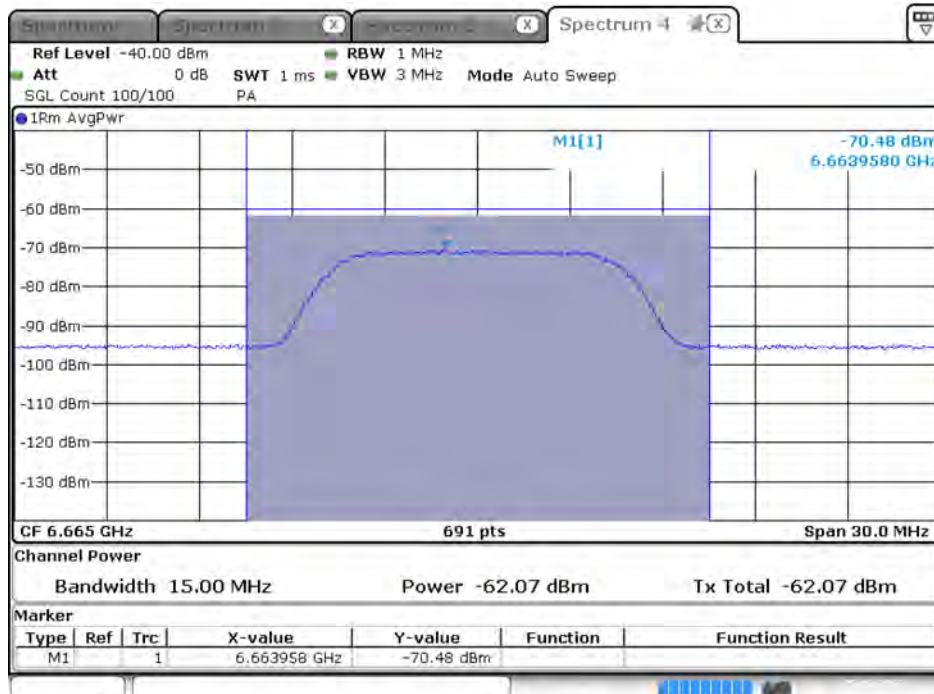
Date: 25.MAR.2022 19:17:25

Frequency (MHz): 6590 MHz



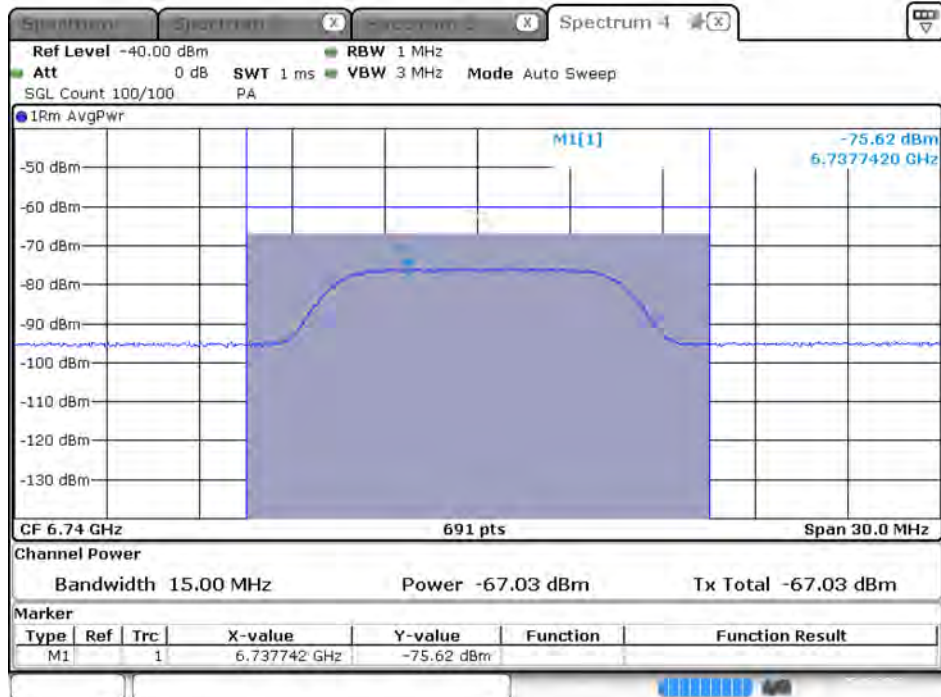
Date: 25.MAR.2022 19:17:55

Frequency (MHz): 6665 MHz



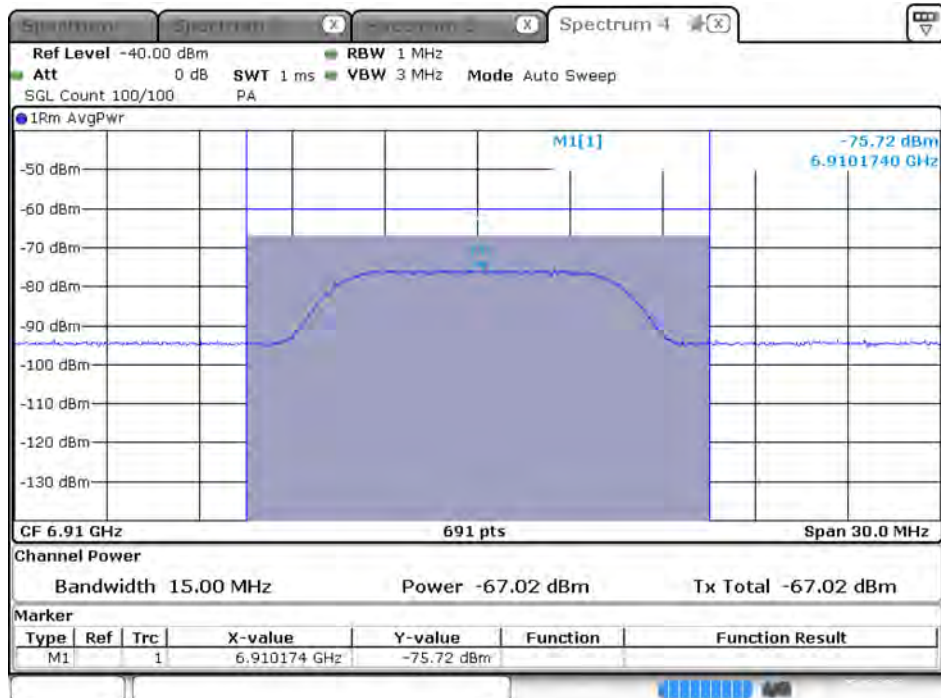
Date: 25.MAR.2022 19:18:28

Frequency (MHz): 6740 MHz



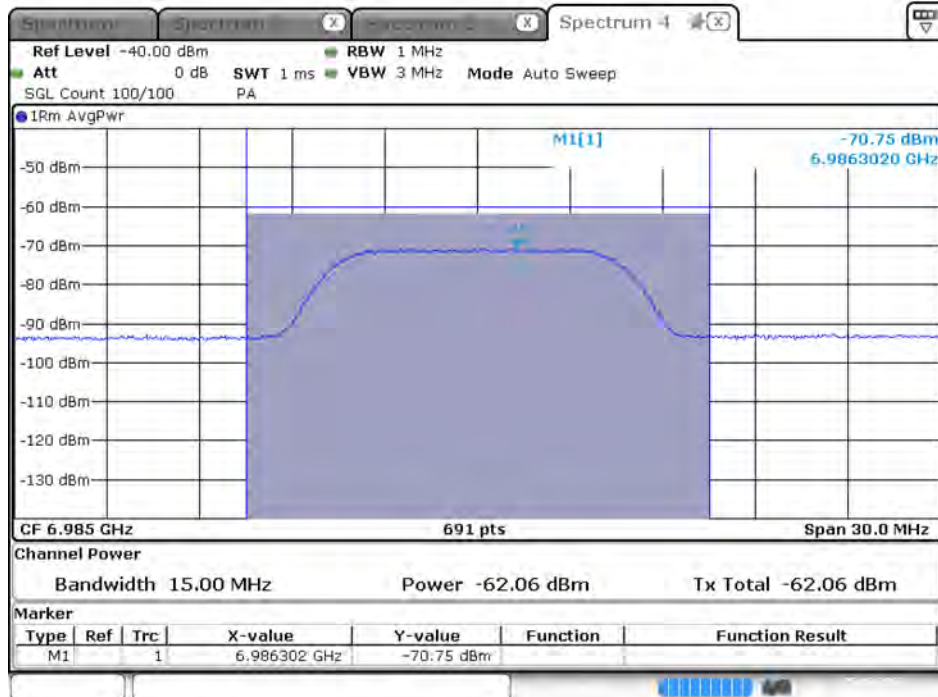
Date: 25.MAR.2022 19:18:52

Frequency (MHz): 6910 MHz



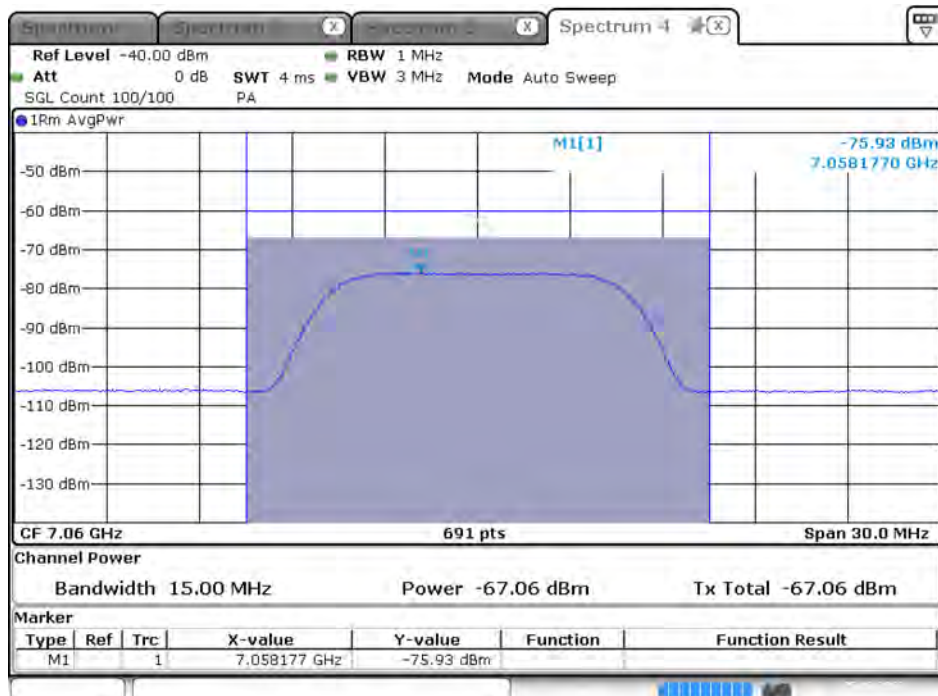
Date: 25.MAR.2022 19:19:08

Frequency (MHz): 6985 MHz



Date: 25.MAR.2022 19:19:37

Frequency (MHz): 7060 MHz

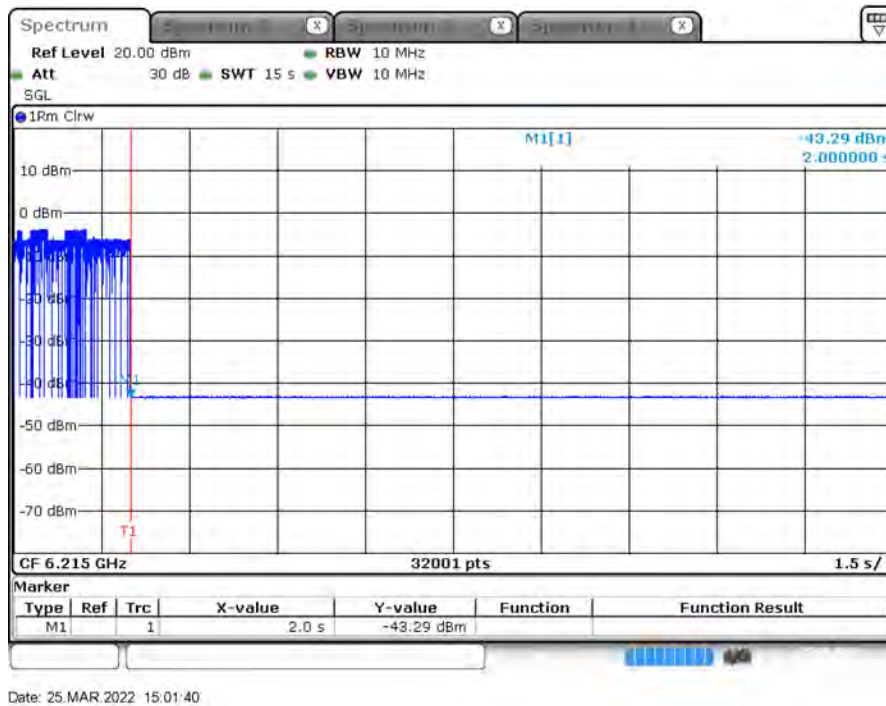


Date: 25.MAR.2022 19:20:11

Contention-Based Protocol Plot

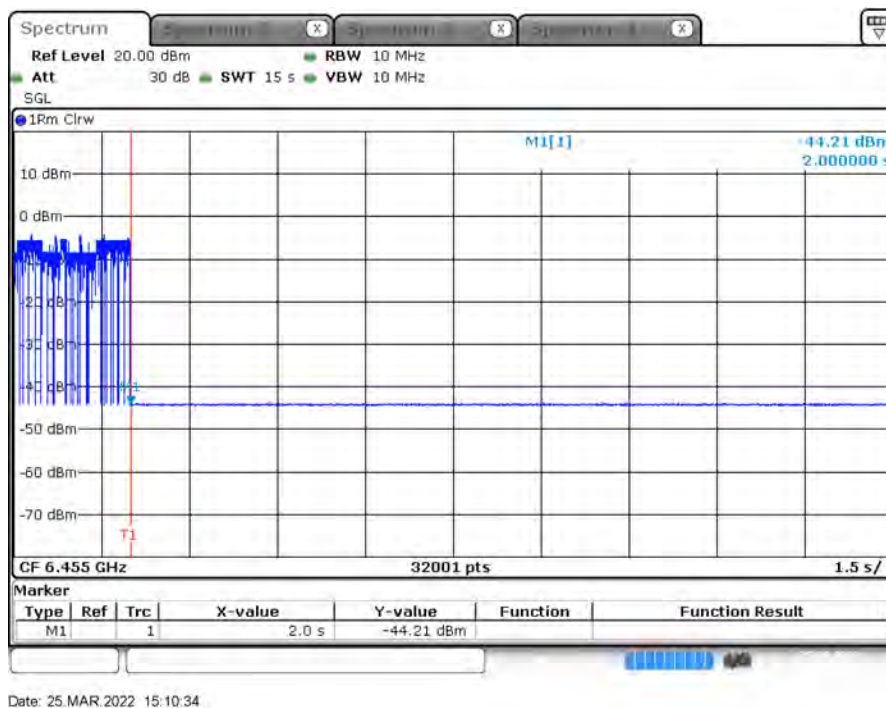
Bandwidth: 20MHz

Test CH 53 ; Incumbent signal 6215 MHz



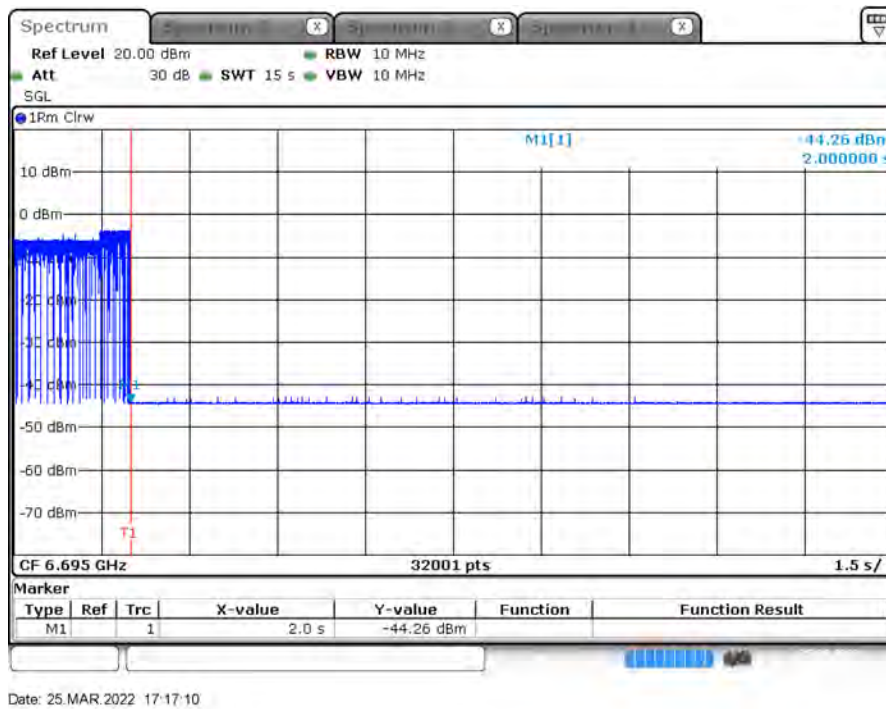
Note : M1 : Inject AWGN signal

Test CH 101 ; Incumbent signal 6455 MHz



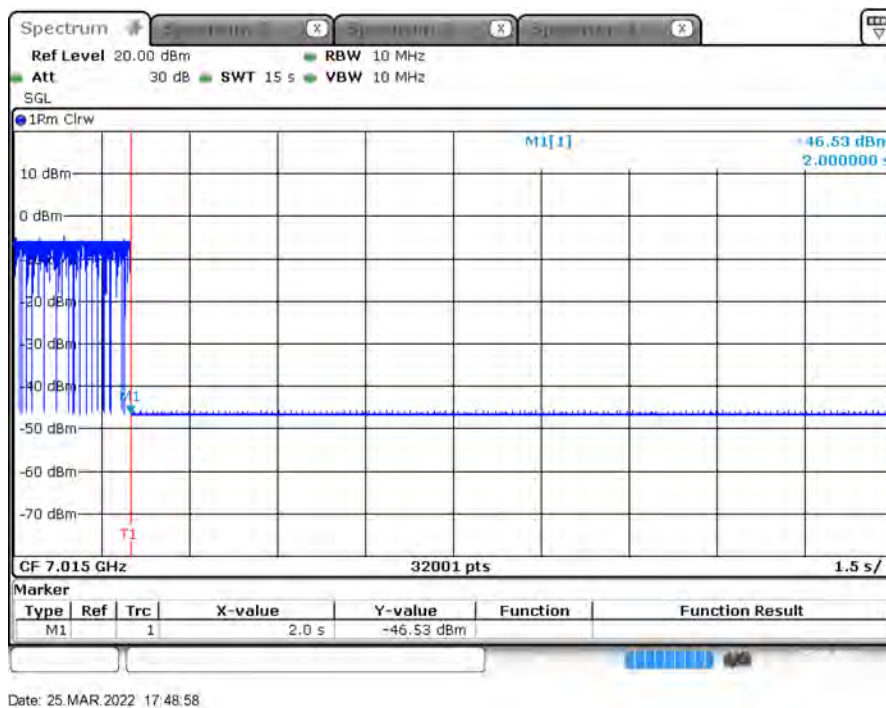
Note : M1 : Inject AWGN signal

Test CH 149 ; Incumbent signal 6695 MHz



Note : M1 : Inject AWGN signal

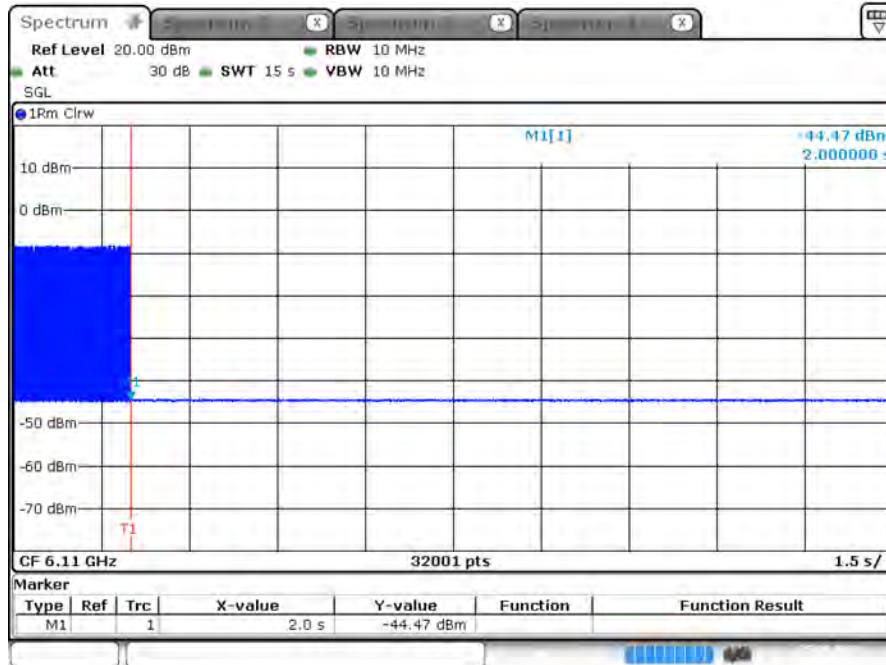
Test CH 213 ; Incumbent signal 7015 MHz



Note : M1 : Inject AWGN signal

Bandwidth: 160MHz

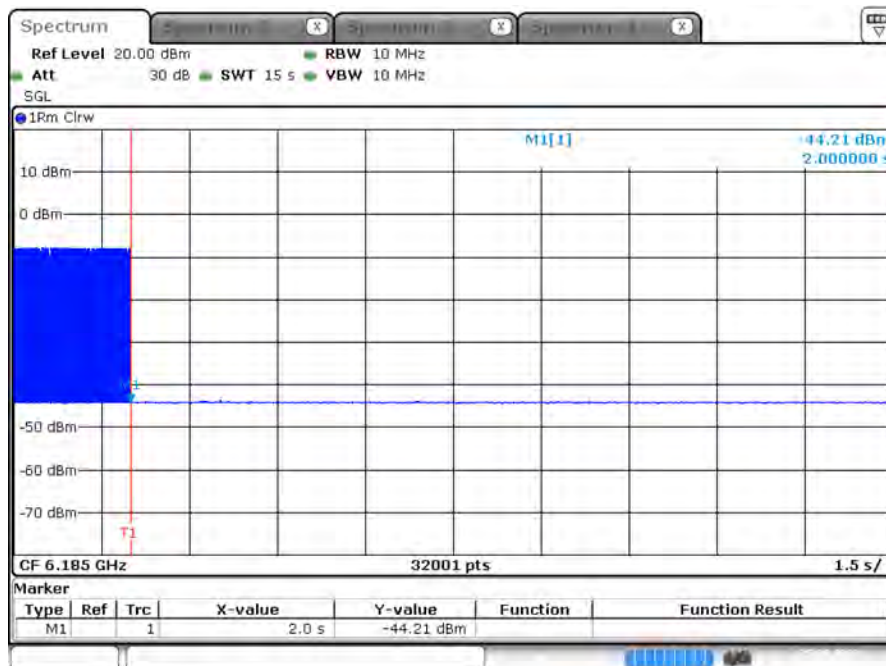
Test CH 47 ; Incumbent signal 6110 MHz



Date: 25.MAR.2022 14:24:38

Note : M1 : Inject AWGN signal

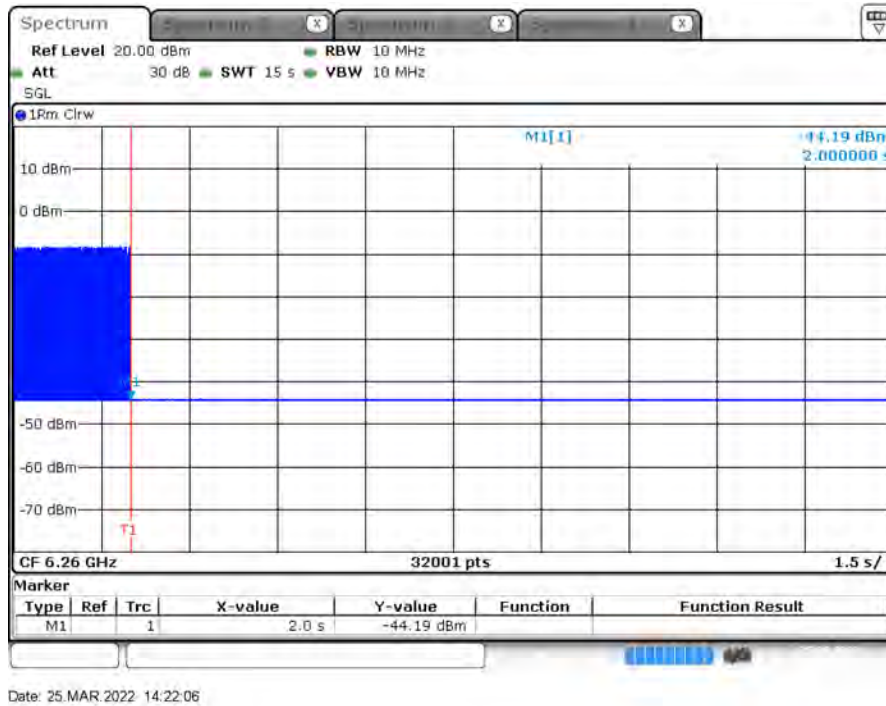
Test CH 47 ; Incumbent signal 6185 MHz



Date: 25.MAR.2022 14:18:08

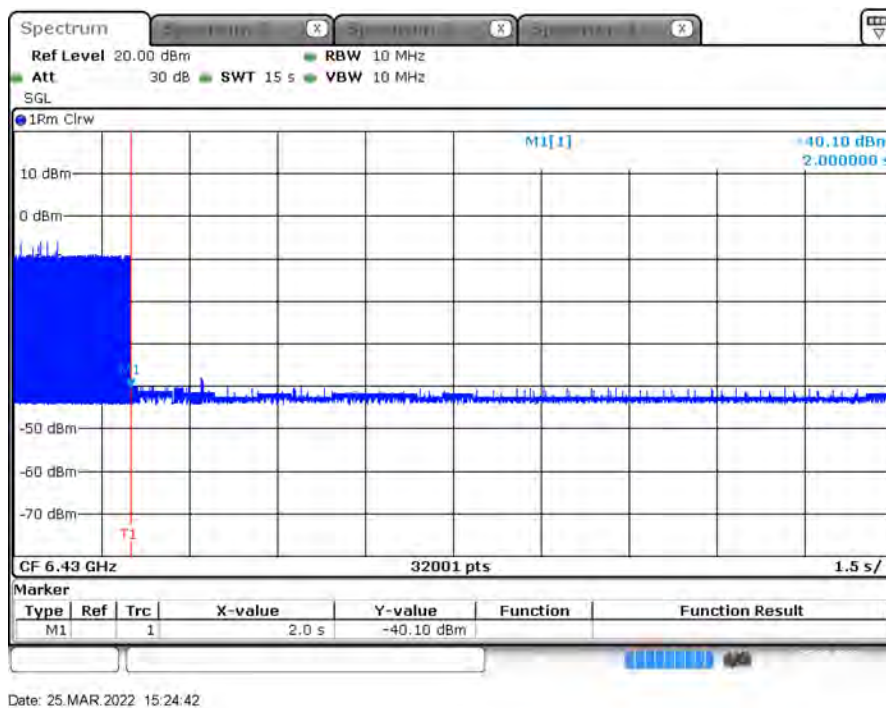
Note : M1 : Inject AWGN signal

Test CH 47 ; Incumbent signal 6260 MHz



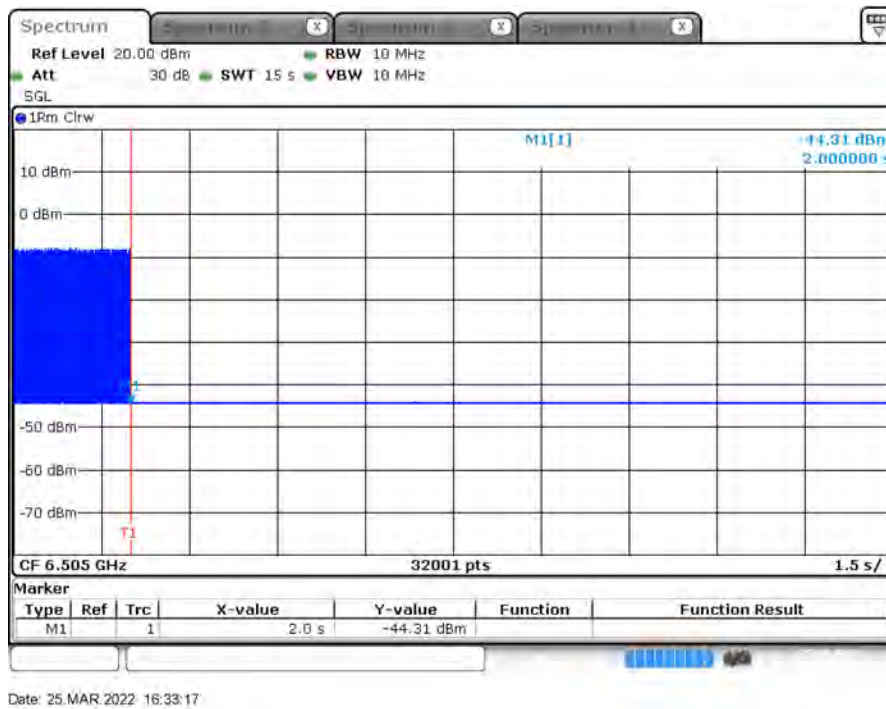
Note : M1 : Inject AWGN signal

Test CH 111 ; Incumbent signal 6430 MHz



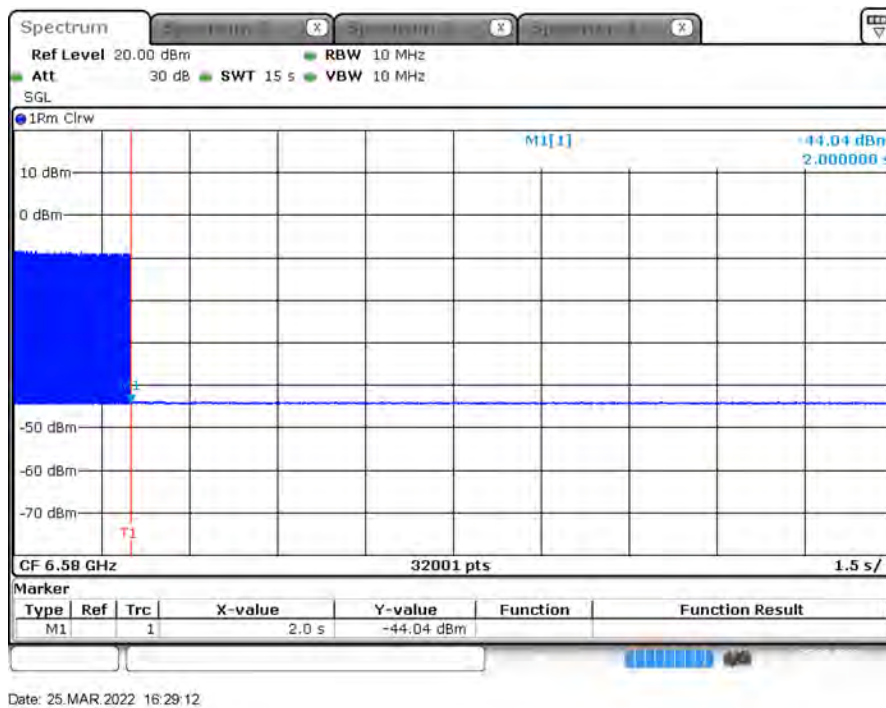
Note : M1 : Inject AWGN signal

Test CH 111 ; Incumbent signal 6505 MHz



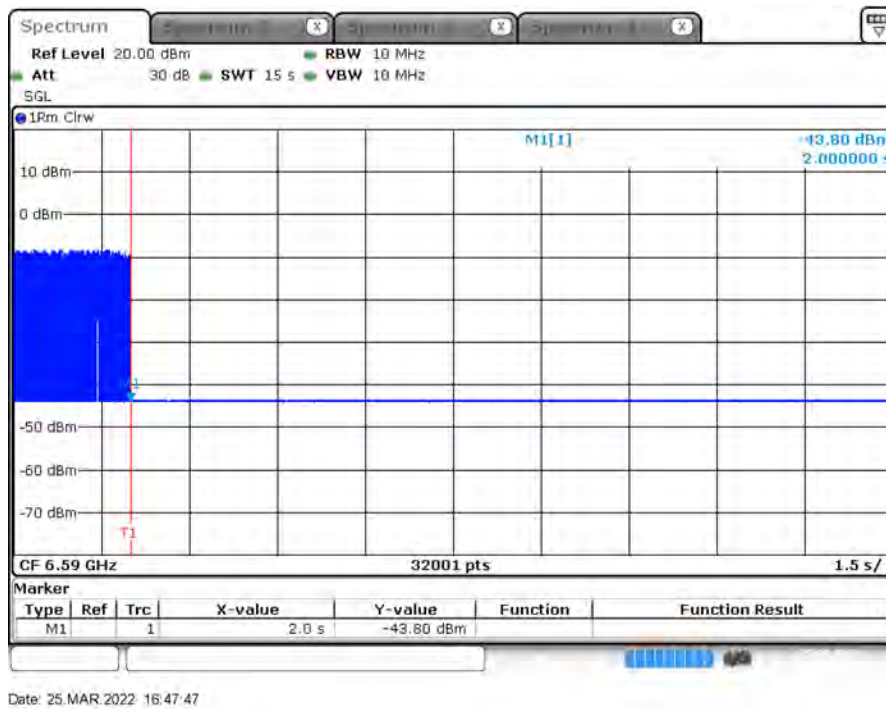
Note : M1 : Inject AWGN signal

Test CH 111 ; Incumbent signal 6580 MHz



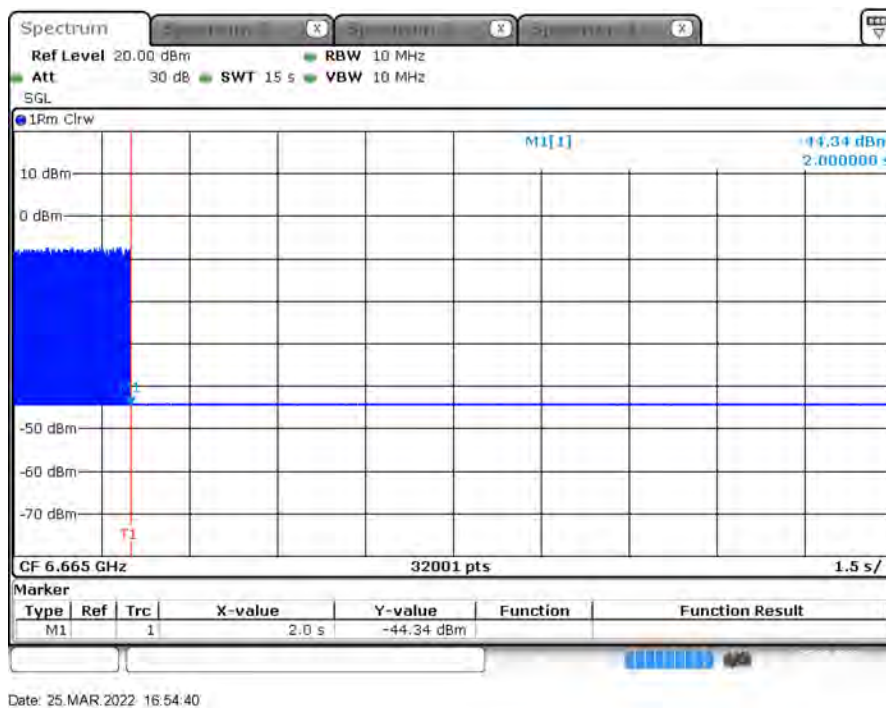
Note : M1 : Inject AWGN signal

Test CH 143 ; Incumbent signal 6590 MHz



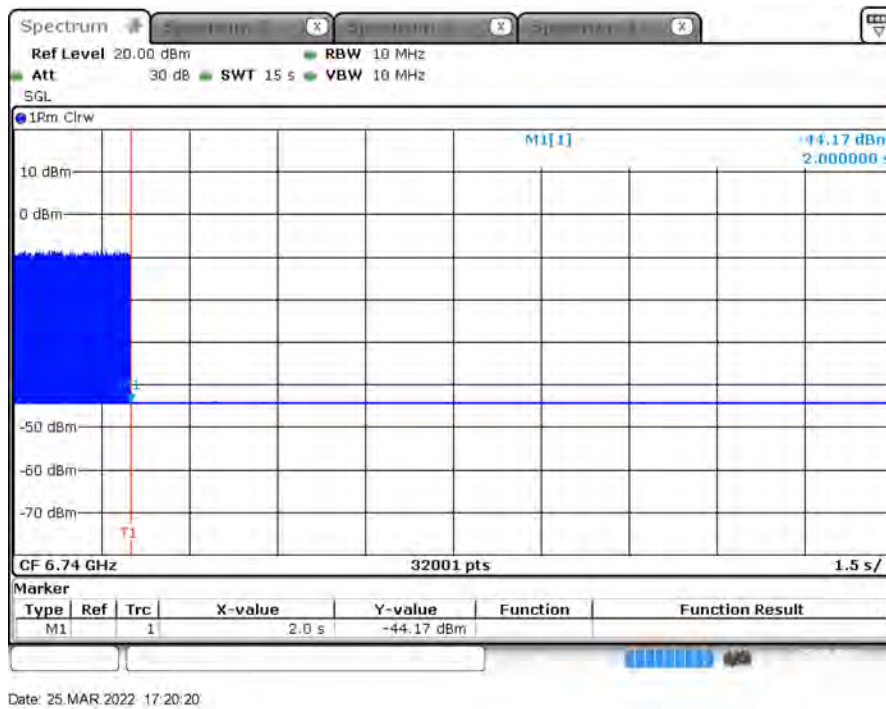
Note : M1 : Inject AWGN signal

Test CH 143 ; Incumbent signal 6665 MHz



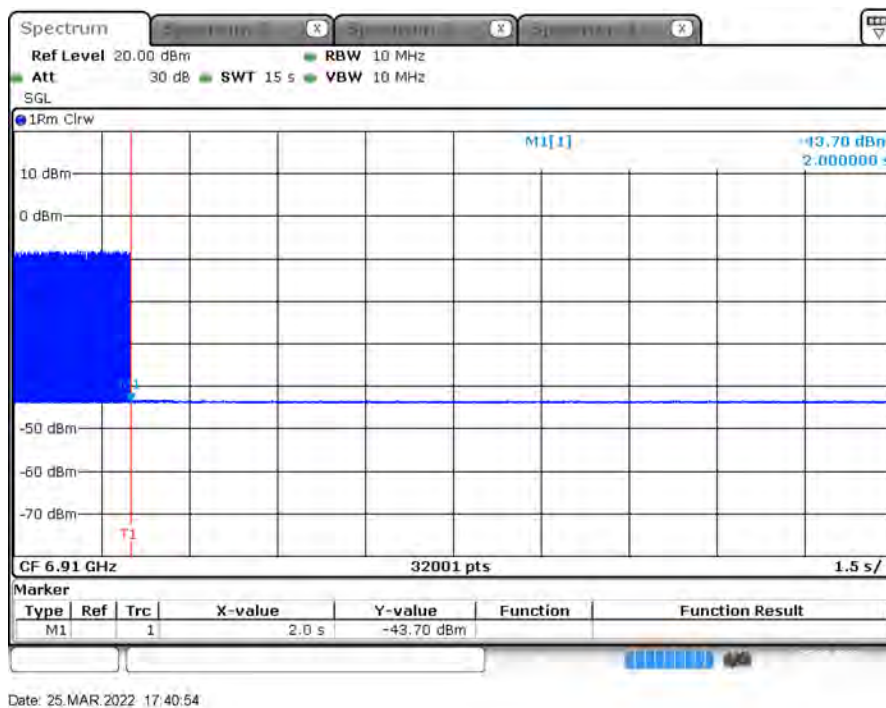
Note : M1 : Inject AWGN signal

Test CH 143 ; Incumbent signal 6740 MHz



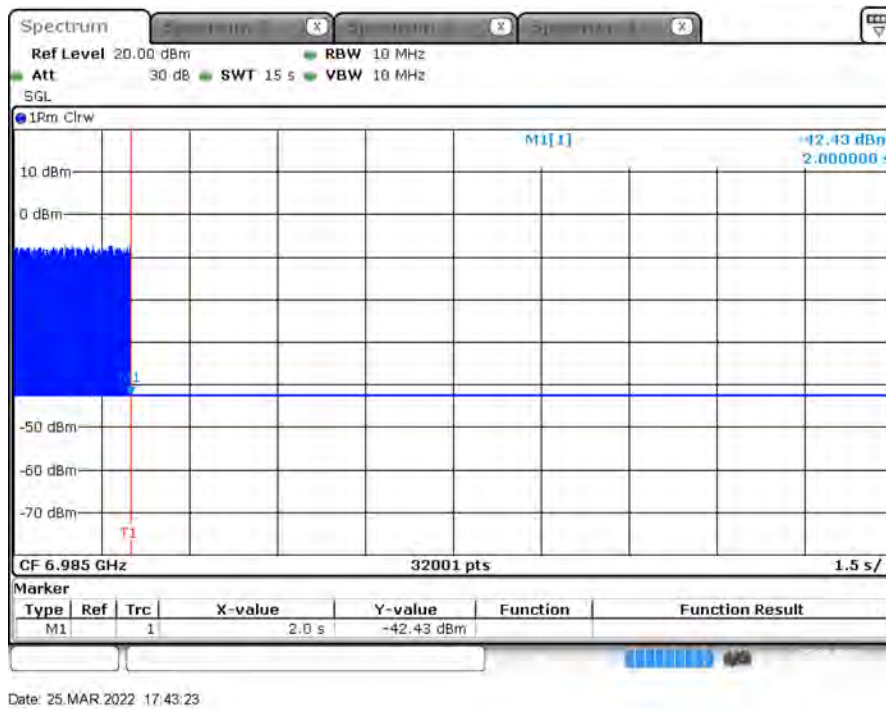
Note : M1 : Inject AWGN signal

Test CH 207 ; Incumbent signal 6910 MHz



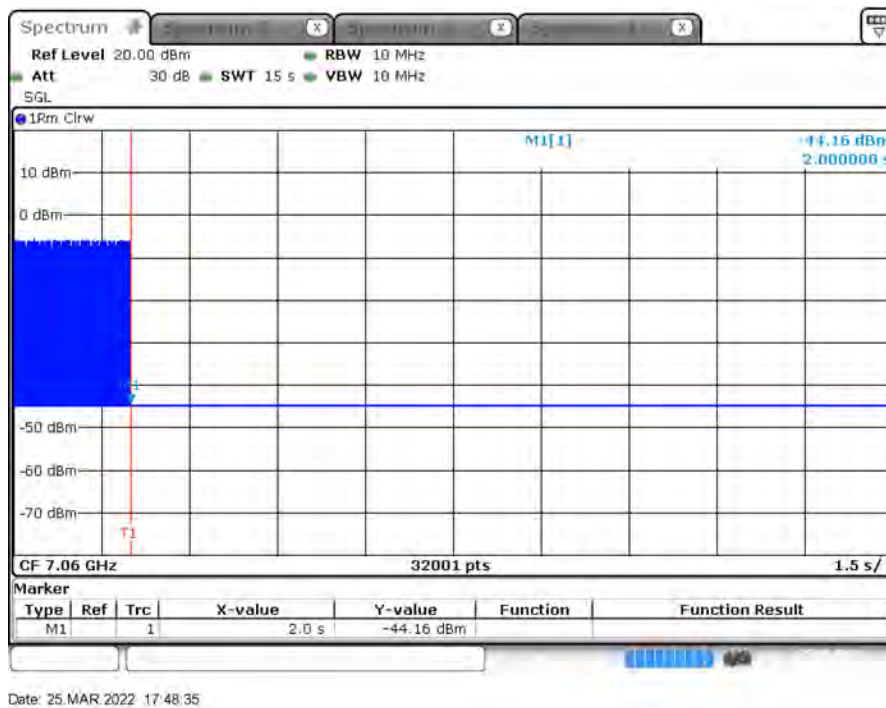
Note : M1 : Inject AWGN signal

Test CH 207 ; Incumbent signal 6985 MHz



Note : M1 : Inject AWGN signal

Test CH 207 ; Incumbent signal 7060 MHz



Note : M1 : Inject AWGN signal