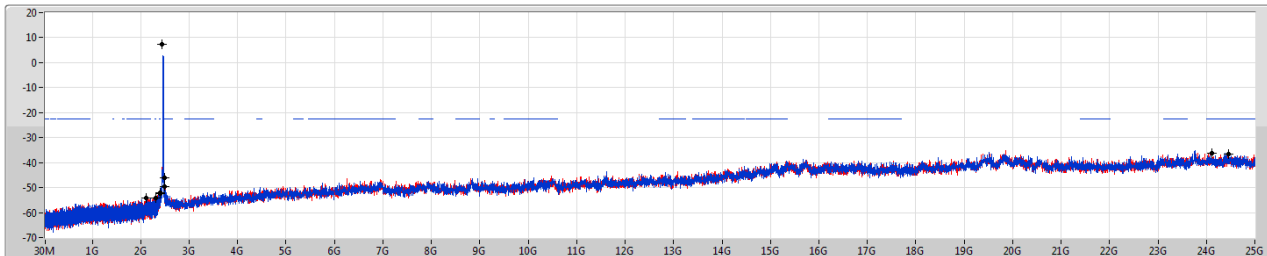


802.11ax HEW20_Nss2,(MCS0)_2TX

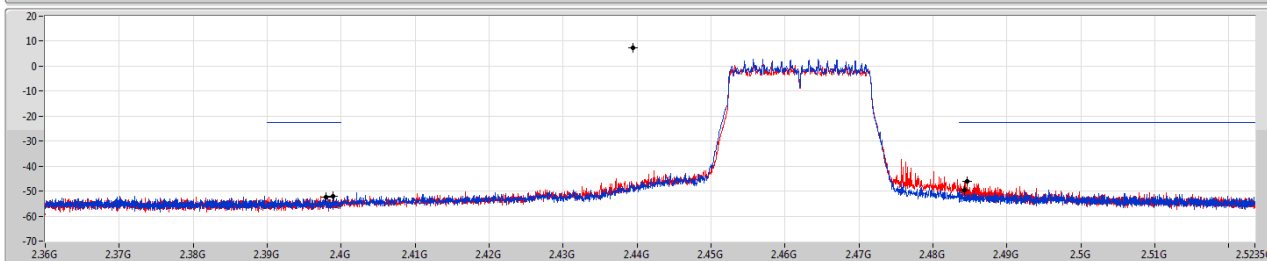
2462MHz

CSE NdB

11/09/2019



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

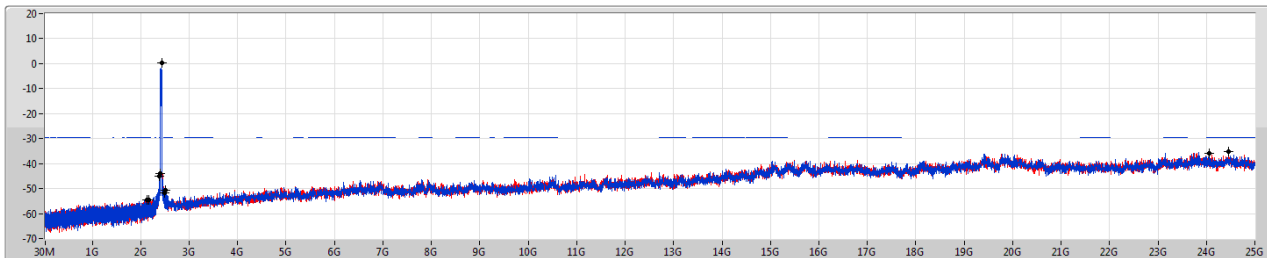
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4395G	7.47	-22.53	2.30787G	-54.29	2.39796G	-52.33	2.4843G	-49.51	24.10937G	-36.25	1
2.4395G	7.47	-22.53	2.10923G	-54.29	2.39894G	-51.96	2.48456G	-46.14	24.45775G	-36.55	2

802.11ax HEW40_Nss2,(MCS0)_2TX

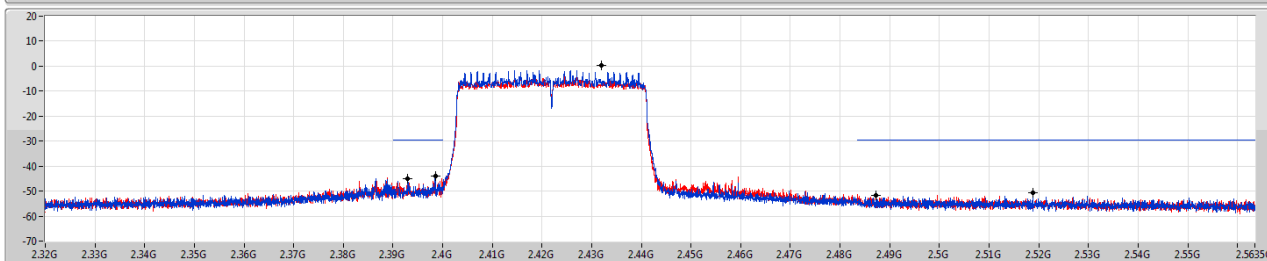
2422MHz

CSE NdB

11/09/2019



Port 1
Port 2



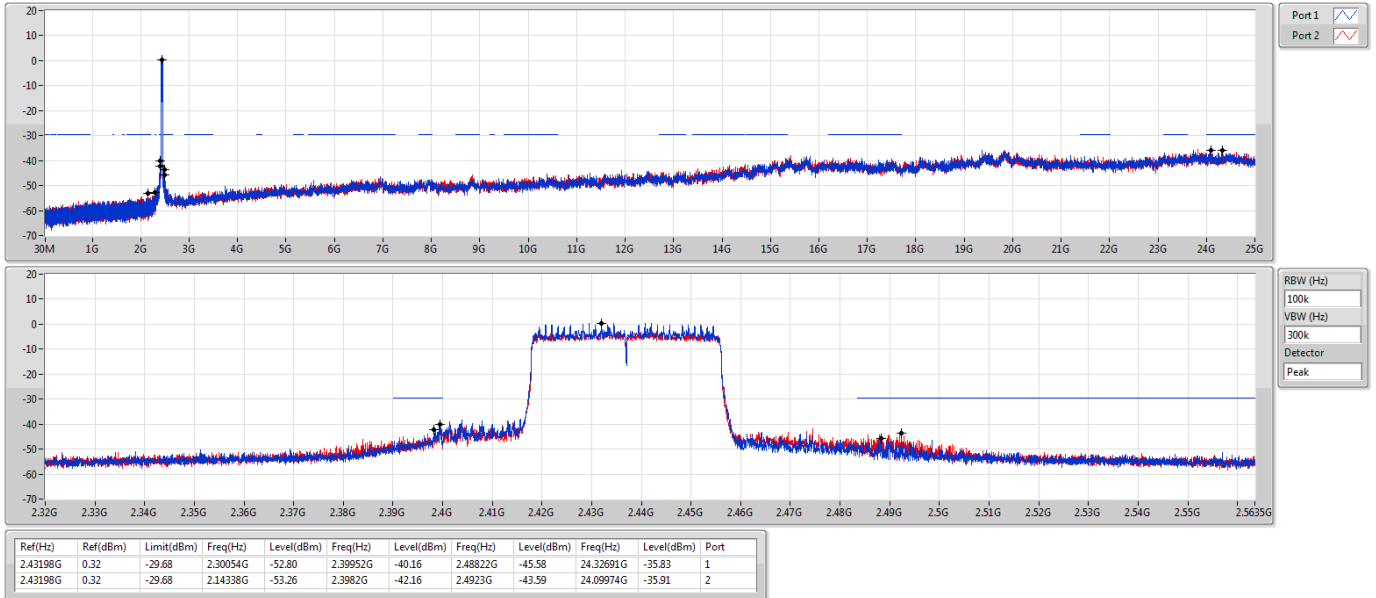
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	0.32	-29.68	2.1285G	-54.62	2.39852G	-44.13	2.51874G	-50.83	24.06608G	-35.84	1
2.43198G	0.32	-29.68	2.1597G	-54.46	2.393G	-44.99	2.48726G	-51.64	24.45311G	-35.28	2

802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

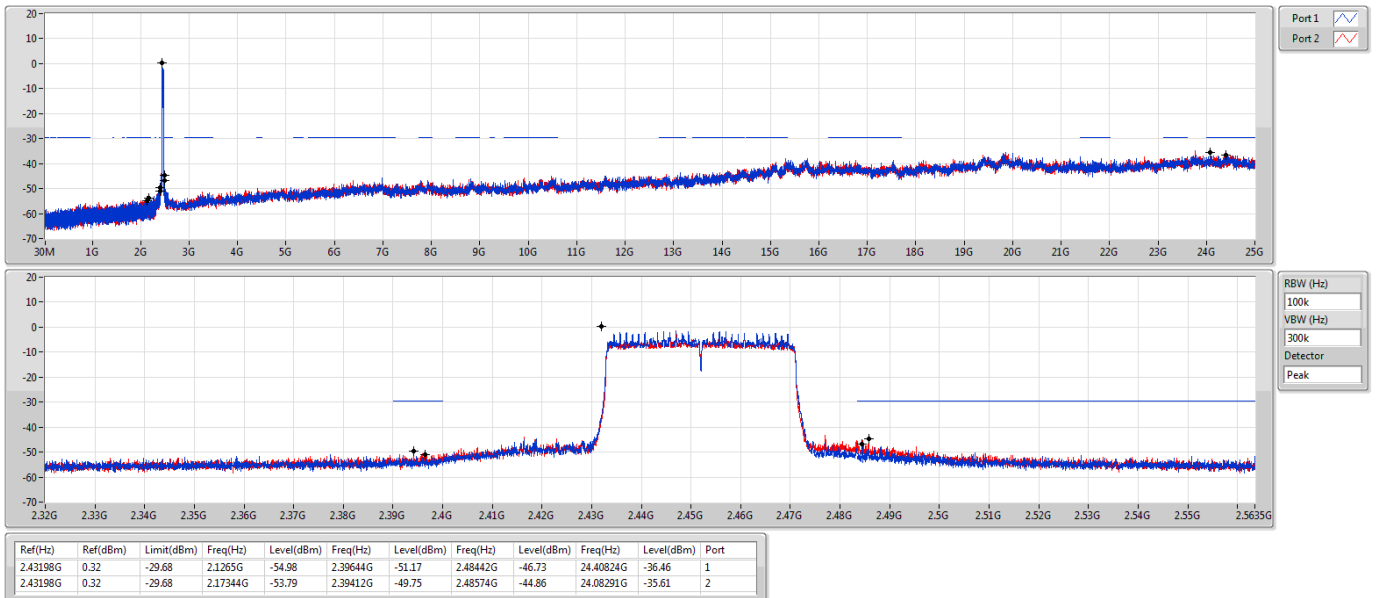
2437MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

2452MHz





**CSE(Non-restricted Band)
Non-Beamforming_Sample 2_Radio 3_Panel 1_1T1S**

Appendix E.13

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43599G	14.50	-15.50	2.30874G	-57.65	2.39902G	-36.35	2.51252G	-54.98	14.46976G	-49.33	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43198G	9.26	-20.74	2.3067G	-59.06	2.39996G	-32.50	2.49266G	-55.30	16.51512G	-52.79	1
VHT20_Nss1,(MCS0)_1TX	Pass	2.43073G	9.14	-20.86	2.30641G	-60.12	2.39906G	-41.09	2.48418G	-43.83	16.86351G	-52.67	1
VHT40_Nss1,(MCS0)_1TX	Pass	2.442G	2.77	-27.23	30M	-58.41	2.39944G	-37.28	2.48878G	-43.20	16.5807G	-52.91	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.43073G	8.67	-21.33	2.30874G	-59.13	2.39898G	-39.12	2.48462G	-40.73	2.5235G	-52.83	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.43198G	2.95	-27.05	2.30054G	-58.41	2.39952G	-37.53	2.48722G	-42.19	15.11111G	-52.72	1

Result

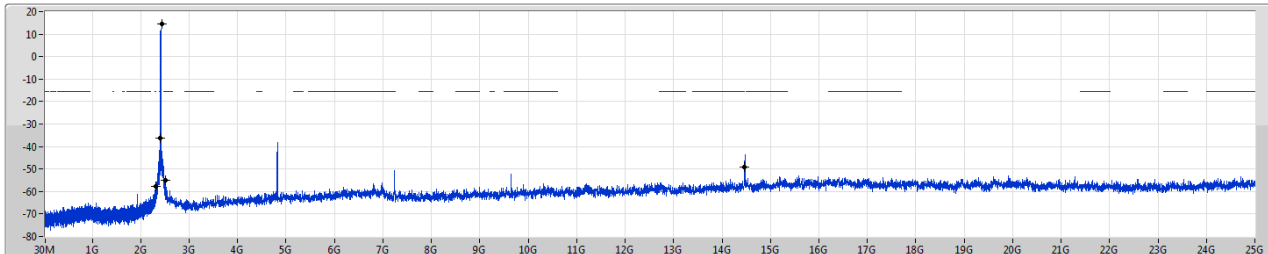
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	14.50	-15.50	2.30874G	-57.65	2.39902G	-36.35	2.51252G	-54.98	14.46976G	-49.33	1
2437MHz	Pass	2.43599G	14.50	-15.50	2.30117G	-61.14	2.39952G	-44.12	2.48546G	-47.81	14.62148G	-40.31	1
2462MHz	Pass	2.43599G	14.50	-15.50	1.96973G	-59.99	2.39674G	-54.11	2.48456G	-48.53	14.77319G	-44.53	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	9.26	-20.74	2.3067G	-59.06	2.39996G	-32.50	2.49266G	-55.30	16.51512G	-52.79	1
2437MHz	Pass	2.43198G	9.26	-20.74	2.30787G	-60.45	2.39728G	-39.31	2.48724G	-44.21	14.6299G	-52.24	1
2462MHz	Pass	2.43198G	9.26	-20.74	1.96973G	-59.50	2.39942G	-54.00	2.48376G	-42.40	16.86351G	-53.00	1
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	9.14	-20.86	1.92982G	-59.25	2.39998G	-42.02	2.49134G	-57.17	16.40555G	-53.59	1
2437MHz	Pass	2.43073G	9.14	-20.86	2.30641G	-60.12	2.39906G	-41.09	2.48418G	-43.83	16.86351G	-52.67	1
2462MHz	Pass	2.43073G	9.14	-20.86	1.96973G	-59.18	2.399G	-56.31	2.48418G	-50.33	16.56569G	-52.61	1
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442G	2.77	-27.23	2.30426G	-57.51	2.39952G	-40.34	2.48814G	-51.94	16.60034G	-52.45	1
2437MHz	Pass	2.442G	2.77	-27.23	30M	-58.41	2.39944G	-37.28	2.48878G	-43.20	16.5807G	-52.91	1
2452MHz	Pass	2.442G	2.77	-27.23	2.30311G	-59.17	2.39196G	-50.64	2.4845G	-42.66	15.15879G	-51.91	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	8.67	-21.33	1.92982G	-59.54	2.39872G	-39.19	2.48614G	-57.86	16.61065G	-52.74	1
2437MHz	Pass	2.43073G	8.67	-21.33	2.30874G	-59.13	2.39898G	-39.12	2.48462G	-40.73	2.5235G	-52.83	1
2462MHz	Pass	2.43073G	8.67	-21.33	1.96973G	-60.06	2.39756G	-56.32	2.48372G	-44.59	16.62188G	-53.15	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	2.95	-27.05	2.30283G	-58.06	2.39908G	-39.17	2.4837G	-50.23	16.98736G	-53.36	1
2437MHz	Pass	2.43198G	2.95	-27.05	2.30054G	-58.41	2.39952G	-37.53	2.48722G	-42.19	15.11111G	-52.72	1
2452MHz	Pass	2.43198G	2.95	-27.05	30M	-58.61	2.3958G	-49.29	2.4845G	-41.24	17.5006G	-51.46	1

802.11b_Nss1,(1Mbps)_1TX

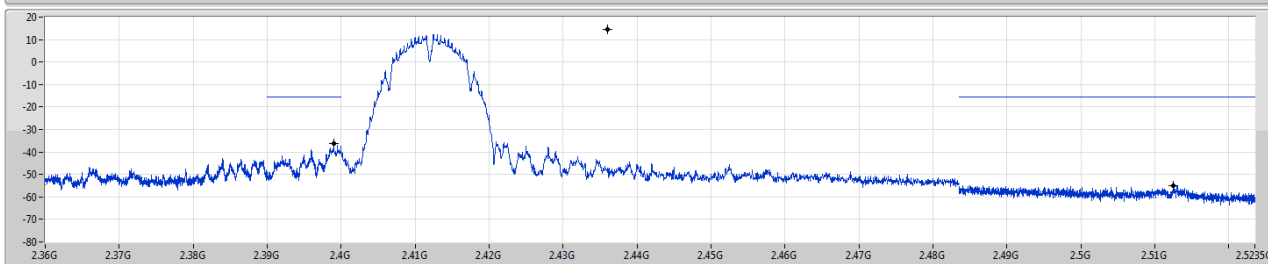
CSE NdB

2412MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

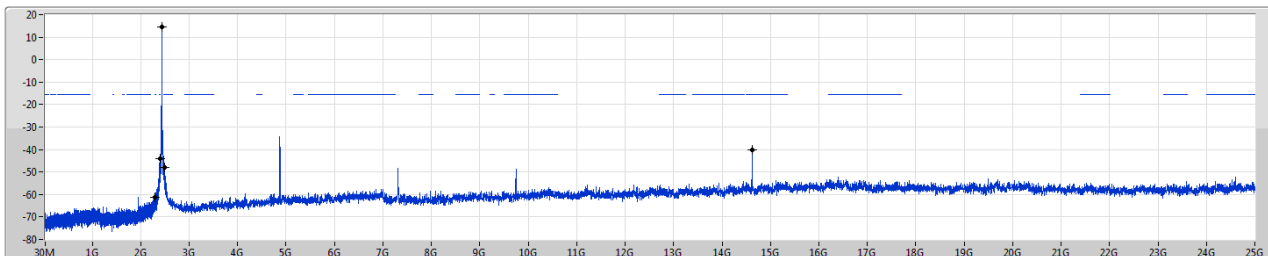
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	14.50	-15.50	2.30874G	-57.65	2.39902G	-36.35	2.51252G	-54.98	14.46976G	-49.33	1

802.11b_Nss1,(1Mbps)_1TX

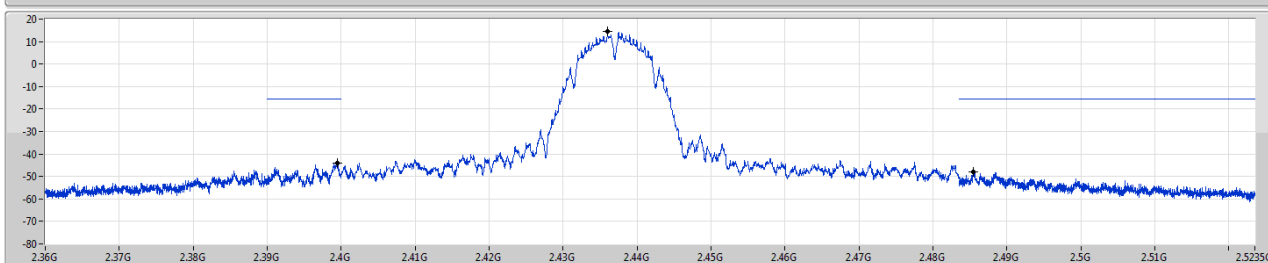
CSE NdB

2437MHz

17/09/2019



Port1



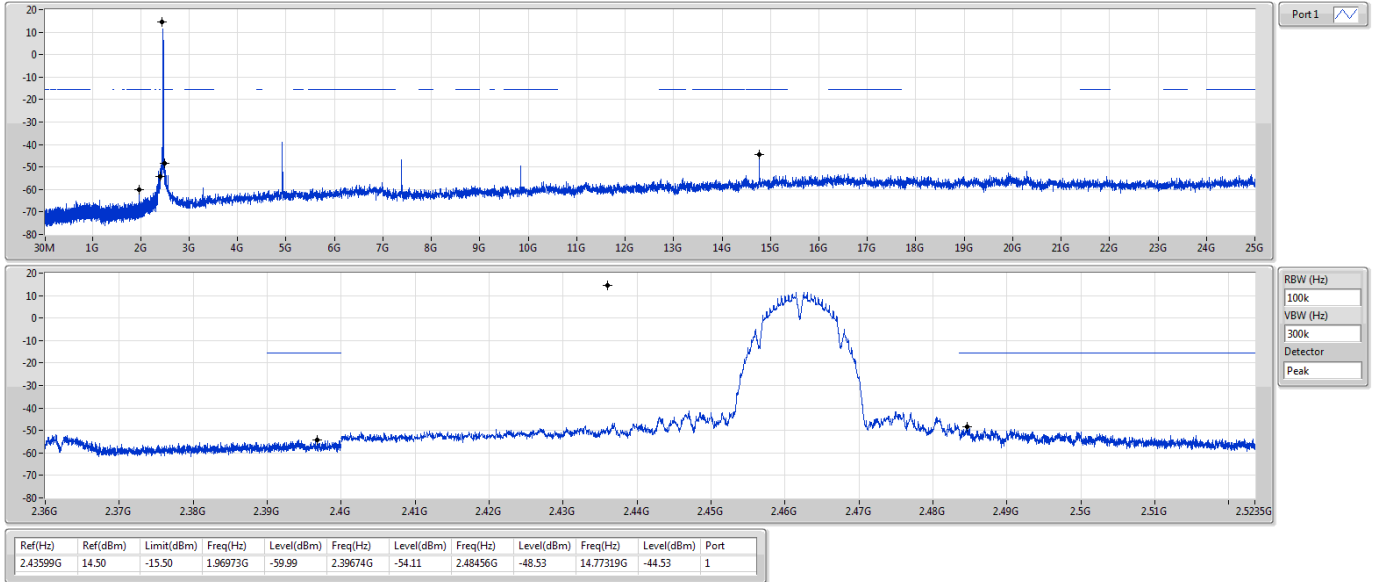
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	14.50	-15.50	2.30117G	-61.14	2.39952G	-44.12	2.48546G	-47.81	14.62148G	-40.31	1

802.11b_Nss1,(1Mbps)_1TX

CSE NdB

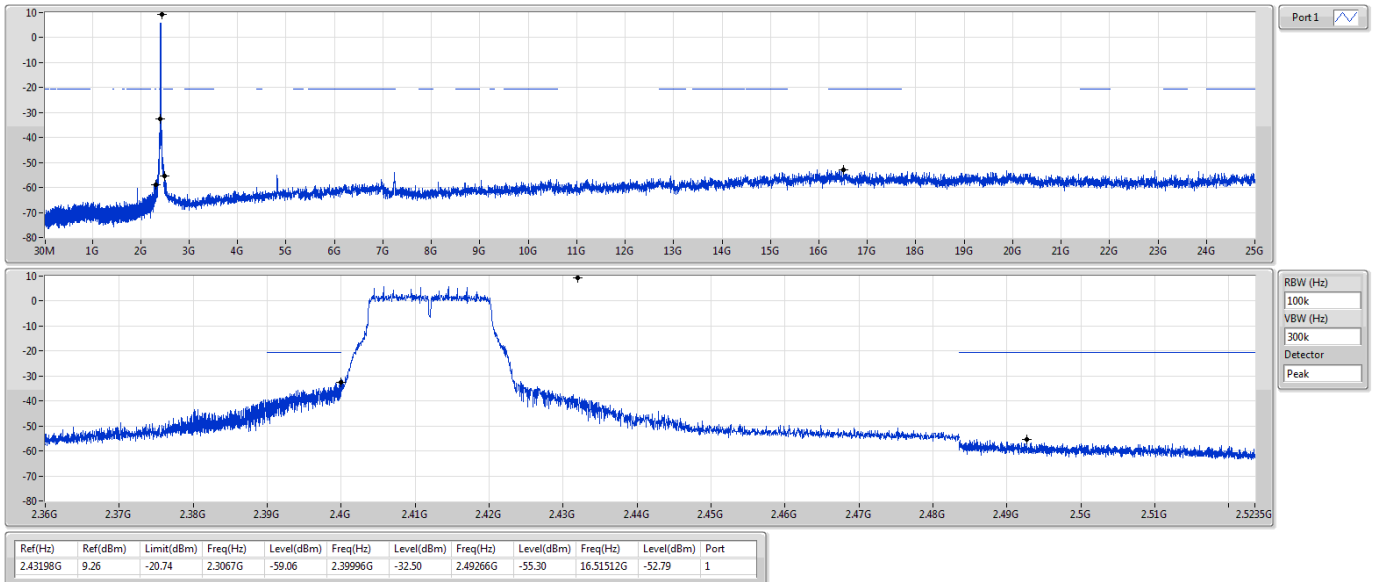
2462MHz



802.11g_Nss1,(6Mbps)_1TX

CSE NdB

2412MHz

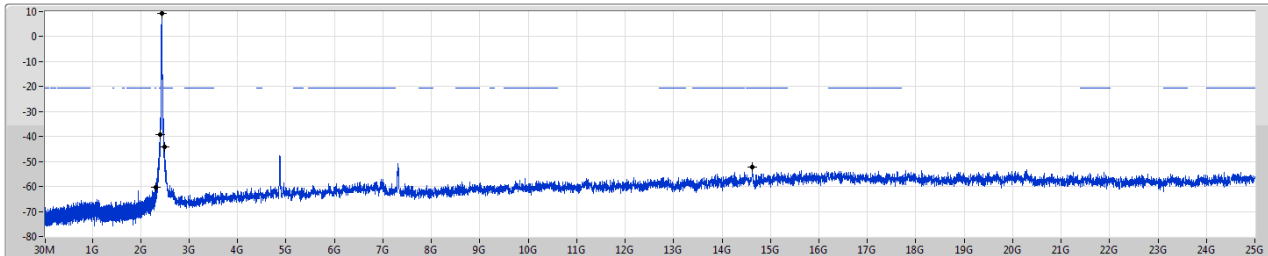


802.11g_Nss1,(6Mbps)_1TX

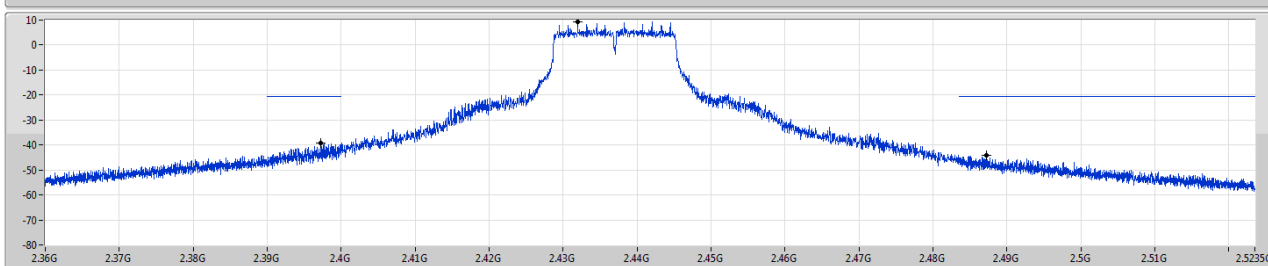
CSE NdB

2437MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

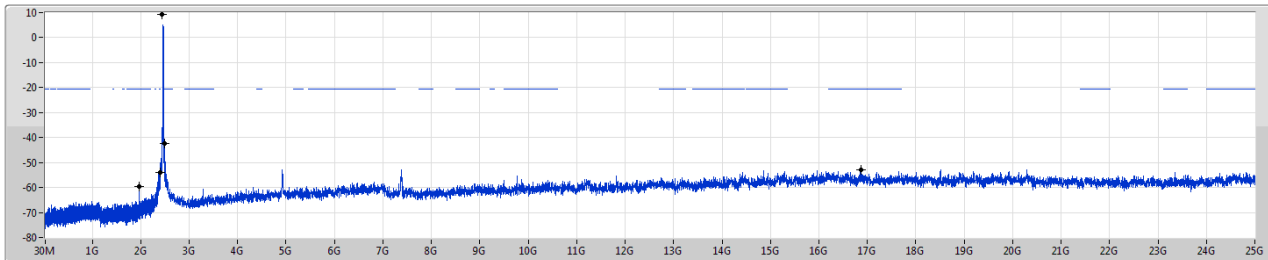
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	9.26	-20.74	2.30787G	-60.45	2.39728G	-39.31	2.48724G	-44.21	14.6299G	-52.24	1

802.11g_Nss1,(6Mbps)_1TX

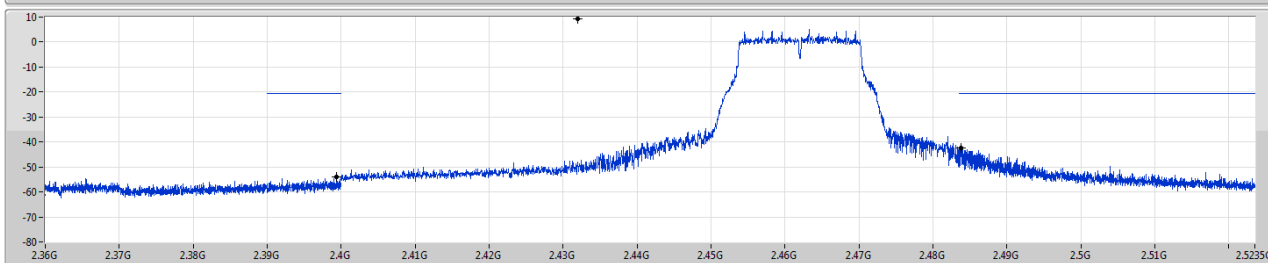
CSE NdB

2462MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

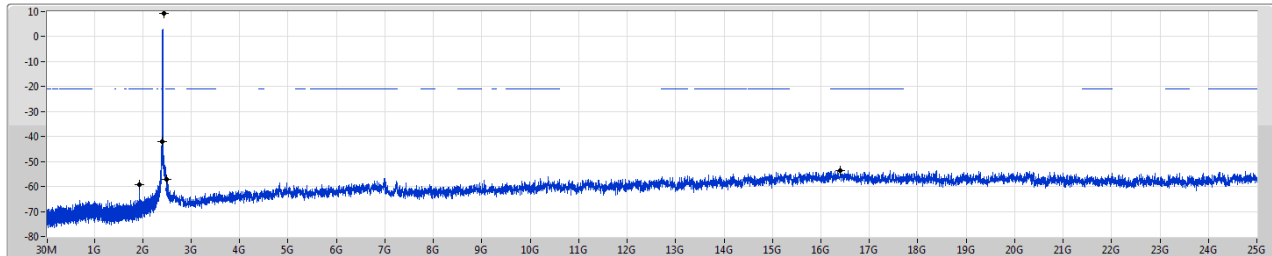
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	9.26	-20.74	1.96973G	-59.50	2.39942G	-54.00	2.48376G	-42.40	16.86351G	-53.00	1

VHT20_Nss1,(MCS0)_1TX

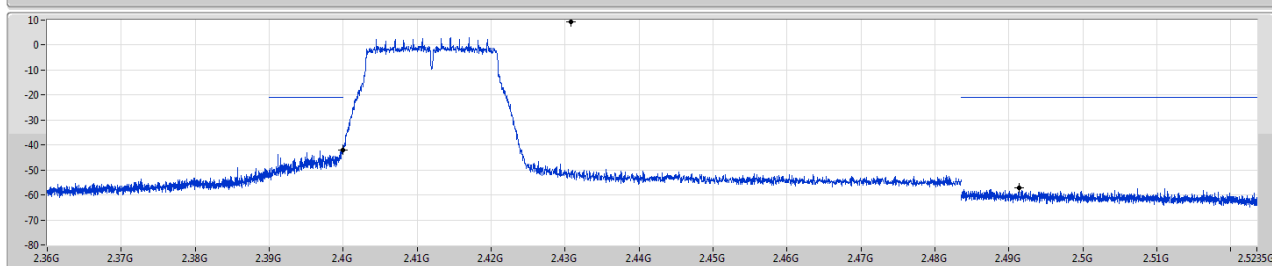
CSE NdB

2412MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

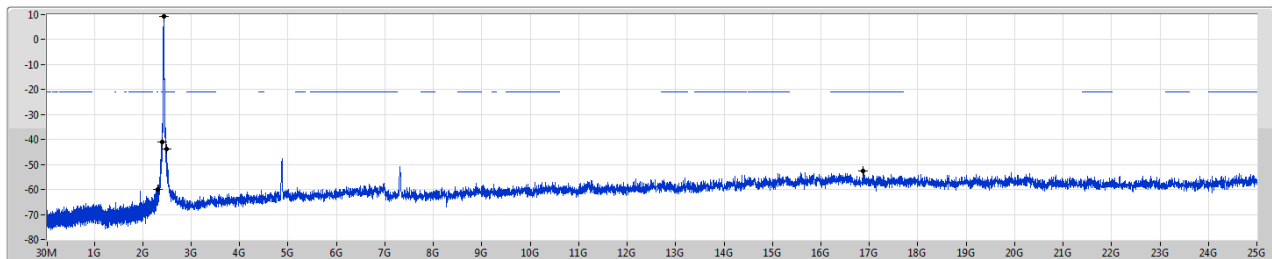
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	9.14	-20.86	1.92982G	-59.25	2.39998G	-42.02	2.49134G	-57.17	16.40555G	-53.59	1

VHT20_Nss1,(MCS0)_1TX

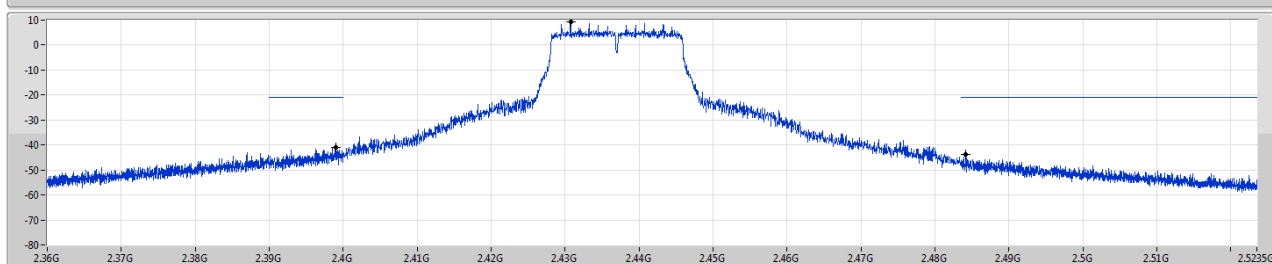
CSE NdB

2437MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

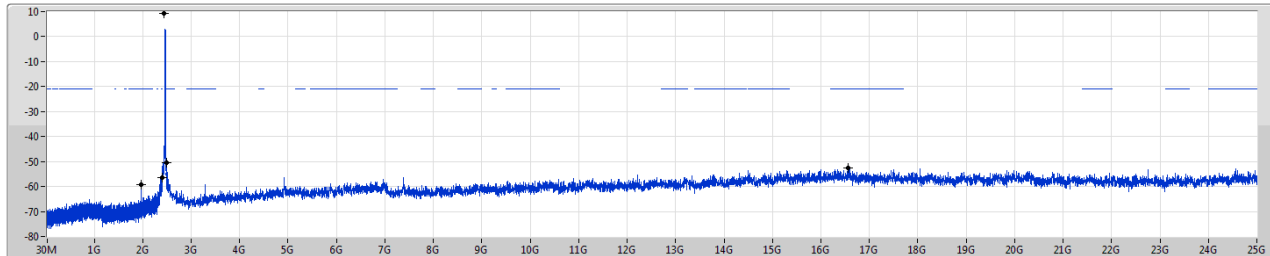
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	9.14	-20.86	2.30641G	-60.12	2.39906G	-41.09	2.48418G	-43.83	16.86351G	-52.67	1

VHT20_Nss1,(MCS0)_1TX

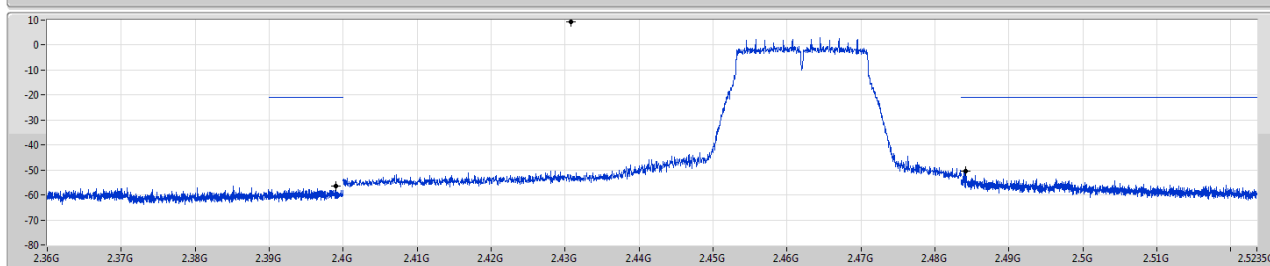
CSE NdB

2462MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

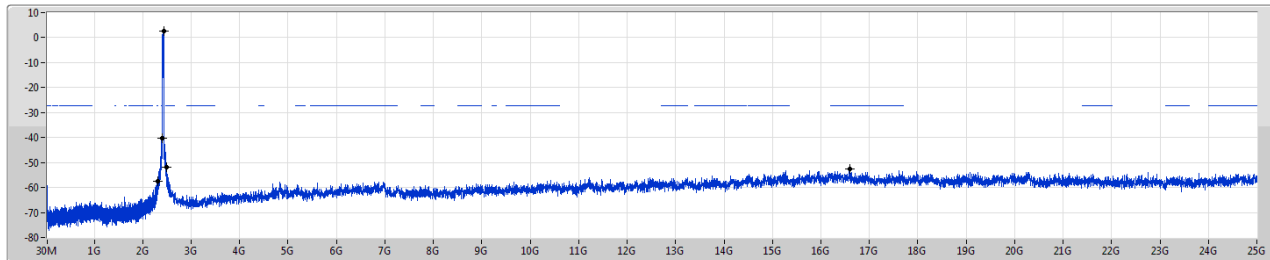
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	9.14	-20.86	1.96973G	-59.18	2.399G	-56.31	2.48418G	-50.33	16.56569G	-52.61	1

VHT40_Nss1,(MCS0)_1TX

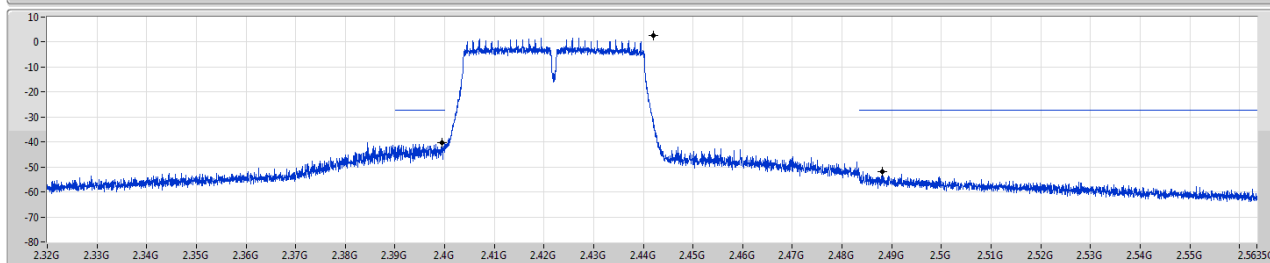
CSE NdB

2422MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

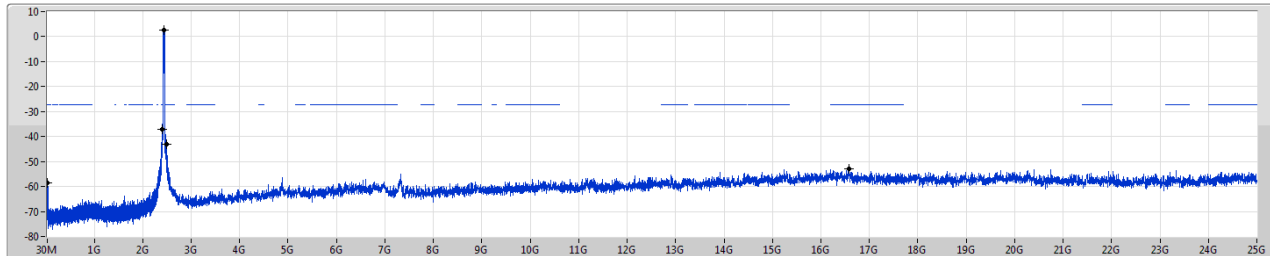
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	2.77	-27.23	2.30426G	-57.51	2.39952G	-40.34	2.48814G	-51.94	16.60034G	-52.45	1

VHT40_Nss1,(MCS0)_1TX

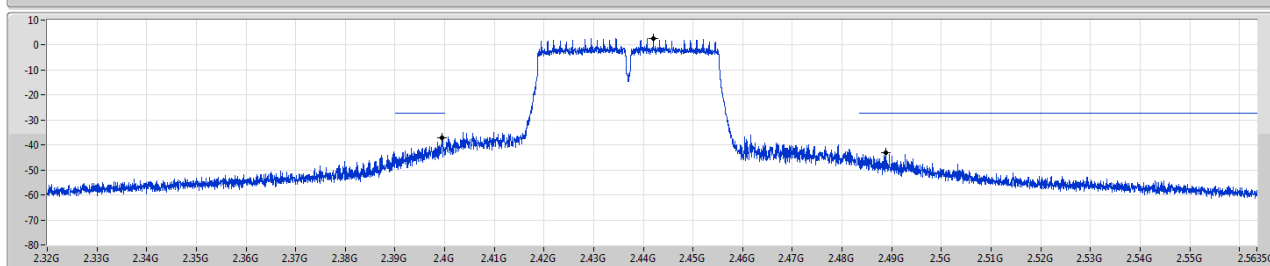
CSE NdB

2437MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

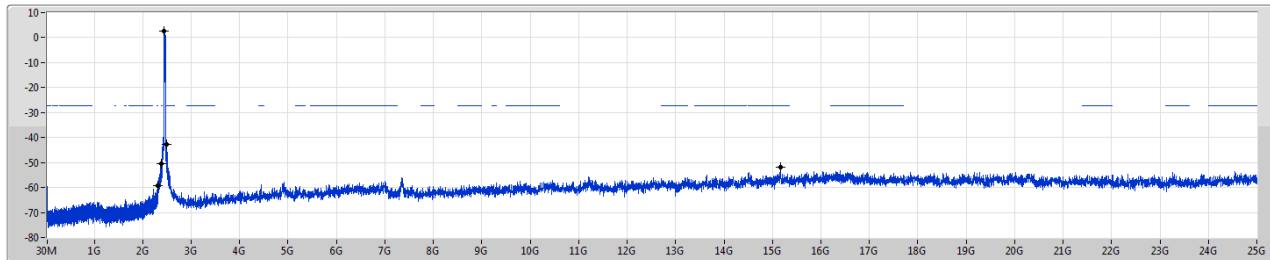
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	2.77	-27.23	30M	-58.41	2.39944G	-37.28	2.48878G	-43.20	16.5807G	-52.91	1

VHT40_Nss1,(MCS0)_1TX

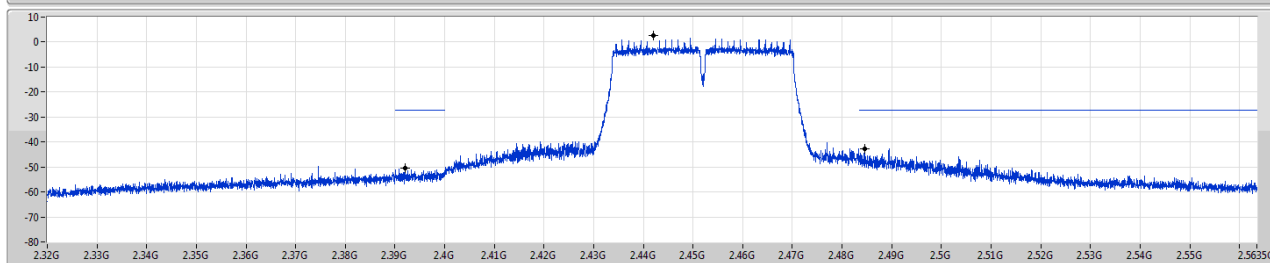
CSE NdB

2452MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

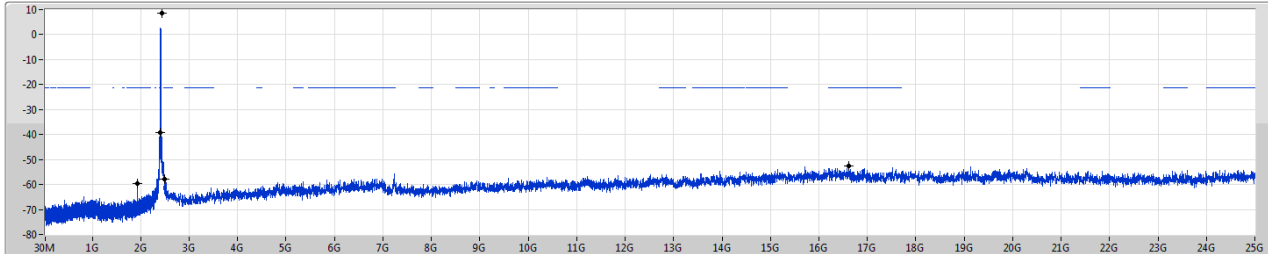
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	2.77	-27.23	2.30311G	-59.17	2.39196G	-50.64	2.4845G	-42.66	15.15879G	-51.91	1

802.11ax HEW20_Nss1,(MCS0)_1TX

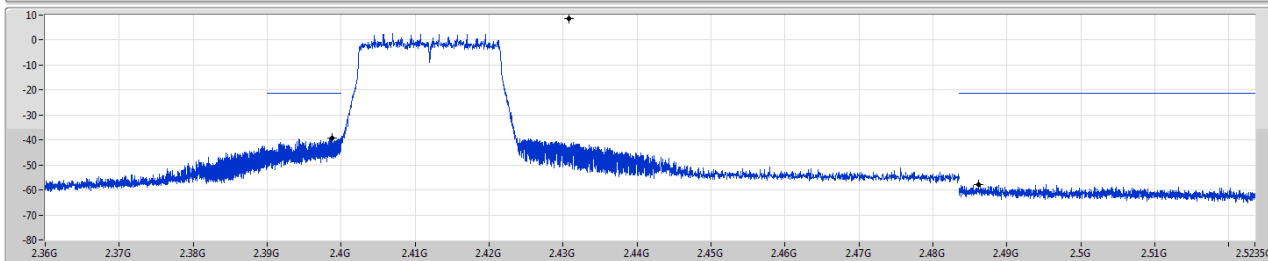
CSE NdB

2412MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

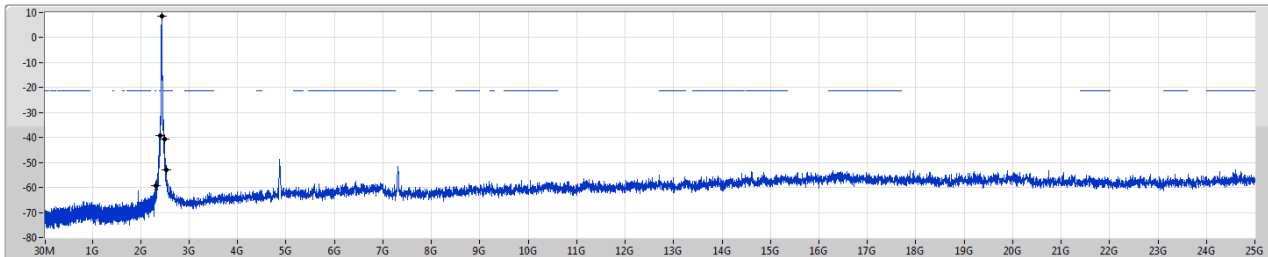
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	8.67	-21.33	1.92982G	-59.54	2.39872G	-39.19	2.48614G	-57.86	16.61065G	-52.74	1

802.11ax HEW20_Nss1,(MCS0)_1TX

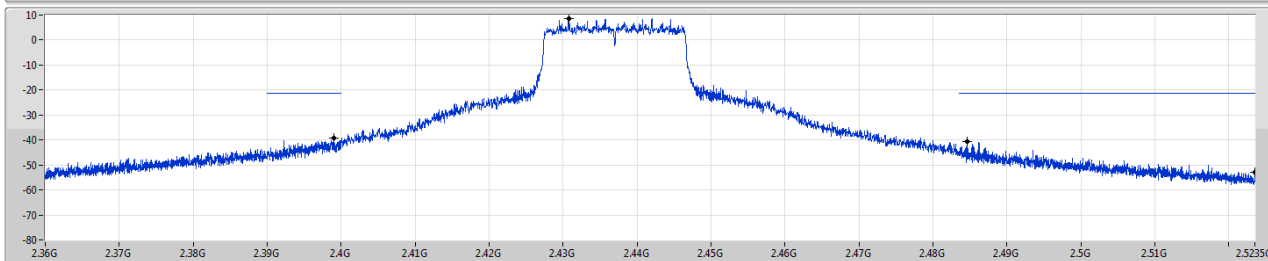
CSE NdB

2437MHz

17/09/2019



Port1



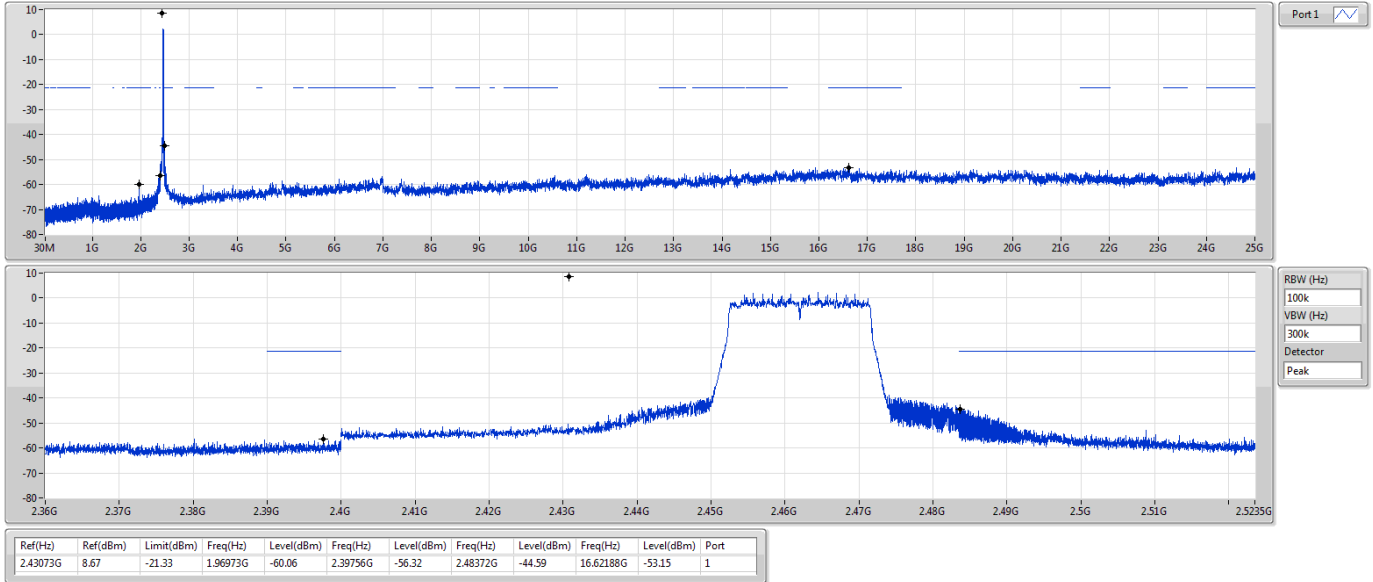
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	8.67	-21.33	2.30874G	-59.13	2.39898G	-39.12	2.48462G	-40.73	2.5235G	-52.83	1

802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

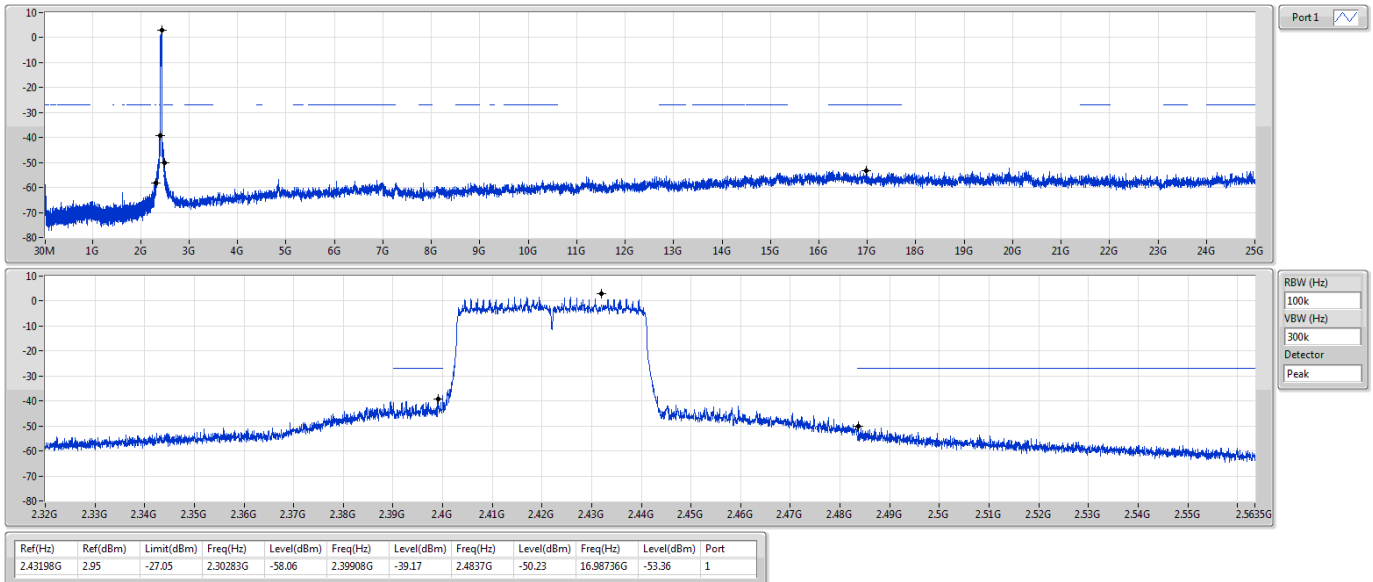
2462MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

2422MHz

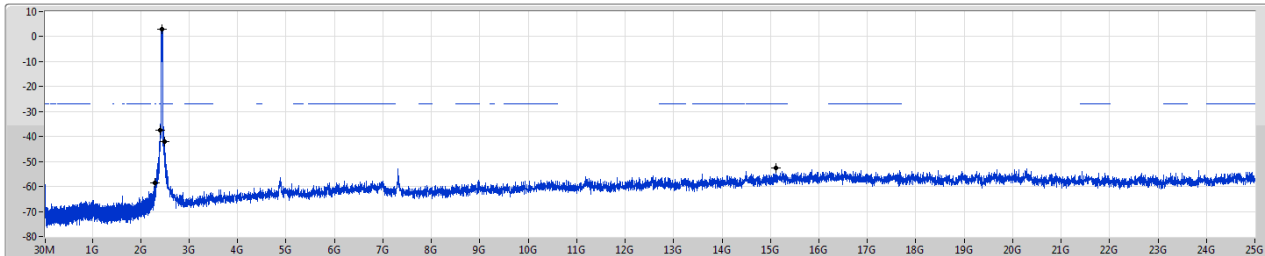


802.11ax HEW40_Nss1,(MCS0)_1TX

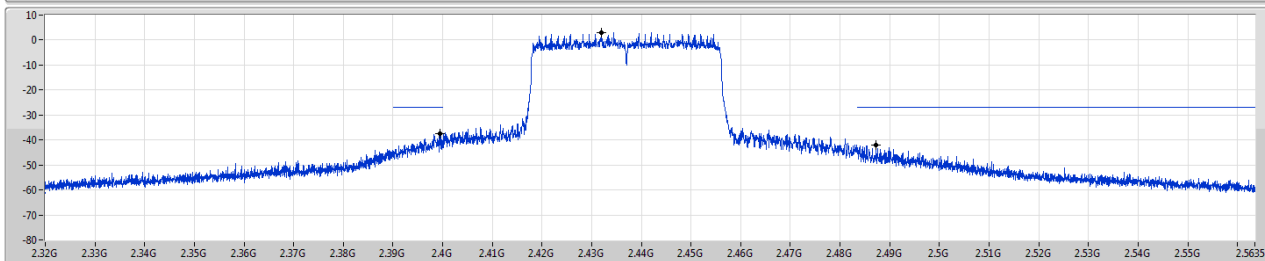
CSE NdB

2437MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

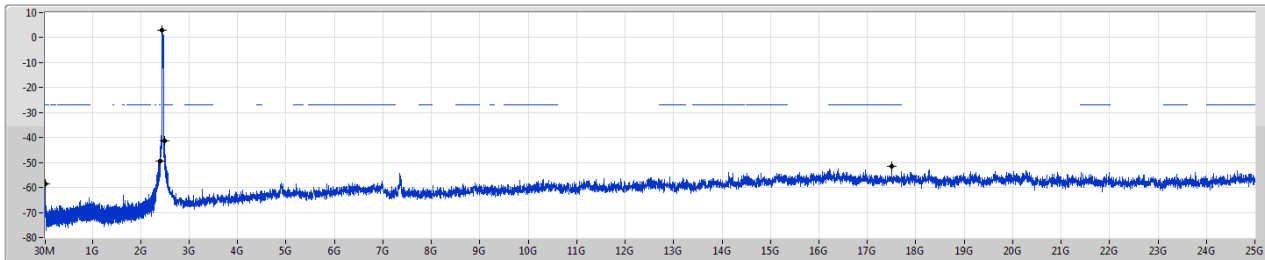
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	2.95	-27.05	2.30054G	-58.41	2.39952G	-37.53	2.48722G	-42.19	15.11111G	-52.72	1

802.11ax HEW40_Nss1,(MCS0)_1TX

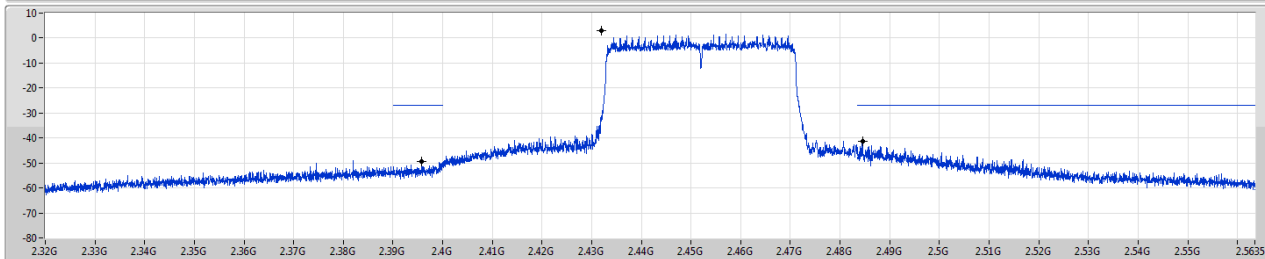
CSE NdB

2452MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	2.95	-27.05	30M	-58.61	2.39958G	-49.29	2.4845G	-41.24	17.5006G	-51.46	1



**CSE(Non-restricted Band)
Non-Beamforming_Sample 2_Radio 3_Panel 1_2T2S**

Appendix E.14

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43649G	15.32	-14.68	1.97409G	-55.18	2.39946G	-34.66	2.48548G	-39.91	14.62148G	-37.56	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43945G	9.07	-20.93	1.98633G	-55.00	2.39922G	-34.32	2.50582G	-52.45	24.02227G	-39.46	2
VHT20_Nss2,(MCS0)_2TX	Pass	2.4395G	7.37	-22.63	2.13224G	-54.96	2.3998G	-37.56	2.50076G	-52.73	23.35079G	-39.36	2
VHT40_Nss2,(MCS0)_2TX	Pass	2.43198G	0.28	-29.72	2.15712G	-55.48	2.397G	-43.60	2.50174G	-51.94	23.30885G	-38.17	2
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.4395G	7.58	-22.42	2.15467G	-55.11	2.3978G	-37.34	2.48422G	-41.24	24.50552G	-38.88	1
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.43198G	0.37	-29.63	1.99368G	-55.22	2.39924G	-36.95	2.48798G	-39.00	24.08571G	-39.08	2

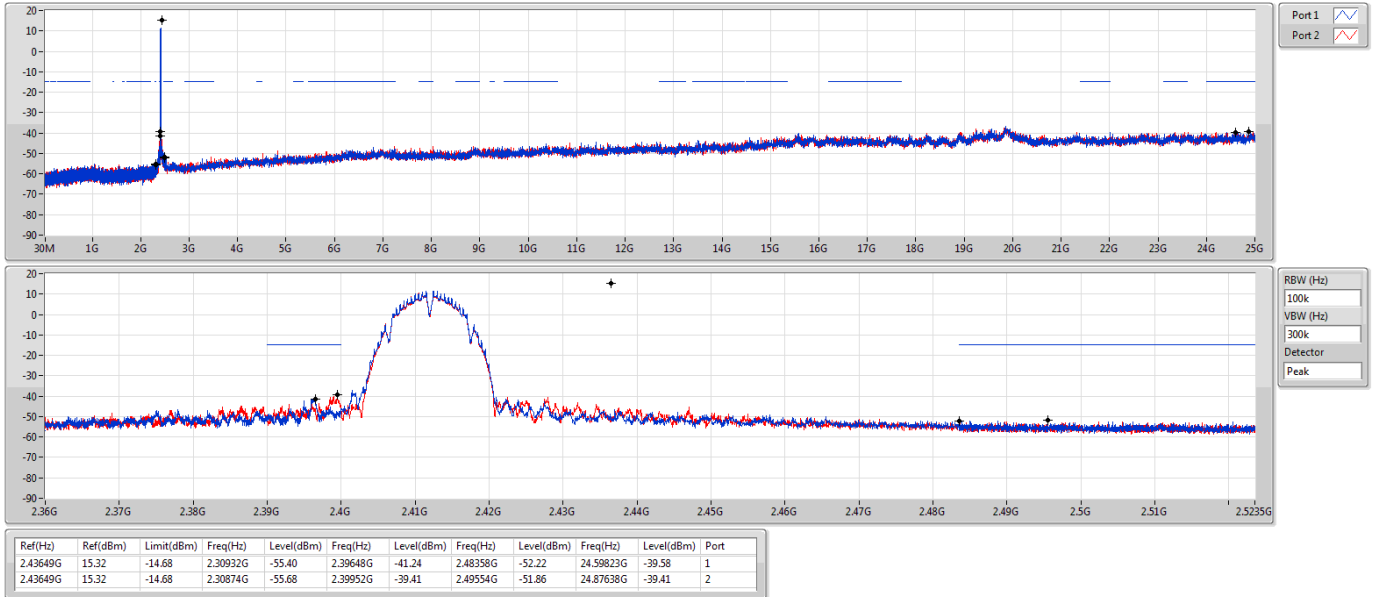
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43649G	15.32	-14.68	2.30932G	-55.40	2.39648G	-41.24	2.48358G	-52.22	24.59823G	-39.58	1
2412MHz_TnomVnom	Pass	2.43649G	15.32	-14.68	2.30874G	-55.68	2.39952G	-39.41	2.49554G	-51.86	24.87638G	-39.41	2
2437MHz_TnomVnom	Pass	2.43649G	15.32	-14.68	1.97409G	-55.18	2.39946G	-34.66	2.48548G	-39.91	14.62148G	-37.56	1
2437MHz_TnomVnom	Pass	2.43649G	15.32	-14.68	2.05128G	-55.70	2.3995G	-36.16	2.48546G	-38.61	14.62148G	-37.62	2
2462MHz_TnomVnom	Pass	2.43649G	15.32	-14.68	2.15263G	-55.38	2.39938G	-50.32	2.4855G	-42.86	23.24402G	-39.91	1
2462MHz_TnomVnom	Pass	2.43649G	15.32	-14.68	759.29M	-54.95	2.39426G	-50.20	2.49446G	-42.51	24.62071G	-39.18	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43945G	9.07	-20.93	2.15671G	-55.37	2.39916G	-39.01	2.50476G	-52.70	23.57274G	-38.30	1
2412MHz_TnomVnom	Pass	2.43945G	9.07	-20.93	1.98633G	-55.00	2.39922G	-34.32	2.50582G	-52.45	24.02227G	-39.46	2
2437MHz_TnomVnom	Pass	2.43945G	9.07	-20.93	2.30408G	-54.91	2.3992G	-35.36	2.48472G	-38.91	24.89886G	-38.82	1
2437MHz_TnomVnom	Pass	2.43945G	9.07	-20.93	2.11972G	-55.69	2.39796G	-35.00	2.48444G	-36.35	23.35922G	-39.07	2
2462MHz_TnomVnom	Pass	2.43945G	9.07	-20.93	2.15904G	-55.38	2.39574G	-53.05	2.48402G	-42.88	24.78928G	-39.92	1
2462MHz_TnomVnom	Pass	2.43945G	9.07	-20.93	1.98807G	-55.12	2.3996G	-52.94	2.48444G	-41.65	24.00541G	-39.20	2
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.4395G	7.37	-22.63	2.30088G	-54.98	2.39996G	-41.36	2.50858G	-52.61	24.46056G	-39.49	1
2412MHz_TnomVnom	Pass	2.4395G	7.37	-22.63	2.13224G	-54.96	2.3998G	-37.56	2.50076G	-52.73	23.35079G	-39.36	2
2437MHz_TnomVnom	Pass	2.4395G	7.37	-22.63	2.30554G	-54.74	2.39982G	-41.13	2.48418G	-45.03	23.59241G	-38.55	1
2437MHz_TnomVnom	Pass	2.4395G	7.37	-22.63	807.06M	-55.71	2.3992G	-39.34	2.4885G	-41.99	23.22155G	-39.06	2
2462MHz_TnomVnom	Pass	2.4395G	7.37	-22.63	2.00031G	-55.12	2.39298G	-52.62	2.48536G	-48.55	24.37628G	-39.04	1
2462MHz_TnomVnom	Pass	2.4395G	7.37	-22.63	707.74M	-54.60	2.39386G	-53.05	2.48542G	-38.13	23.33393G	-39.11	2
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.43198G	0.28	-29.72	2.02058G	-54.39	2.39948G	-43.64	2.49174G	-51.97	23.18264G	-39.36	1
2422MHz_TnomVnom	Pass	2.43198G	0.28	-29.72	2.15712G	-55.48	2.397G	-43.60	2.50174G	-51.94	23.30885G	-38.17	2
2437MHz_TnomVnom	Pass	2.43198G	0.28	-29.72	1.97621G	-54.96	2.39948G	-39.69	2.49062G	-49.14	24.98037G	-39.19	1
2437MHz_TnomVnom	Pass	2.43198G	0.28	-29.72	2.11648G	-53.95	2.39948G	-40.00	2.49498G	-45.19	23.4014G	-38.82	2
2452MHz_TnomVnom	Pass	2.43198G	0.28	-29.72	705.55M	-54.58	2.39952G	-51.64	2.48946G	-44.98	17.60437G	-39.54	1
2452MHz_TnomVnom	Pass	2.43198G	0.28	-29.72	2.15398G	-55.31	2.39448G	-51.73	2.4845G	-46.69	24.64382G	-39.46	2
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.4395G	7.58	-22.42	2.30029G	-55.04	2.39998G	-38.22	2.48474G	-52.27	23.30583G	-38.29	1
2412MHz_TnomVnom	Pass	2.4395G	7.58	-22.42	2.00351G	-54.90	2.39812G	-37.84	2.50578G	-53.04	24.94662G	-39.27	2
2437MHz_TnomVnom	Pass	2.4395G	7.58	-22.42	2.15467G	-55.11	2.3978G	-37.34	2.48422G	-41.24	24.50552G	-38.88	1
2437MHz_TnomVnom	Pass	2.4395G	7.58	-22.42	2.14622G	-55.12	2.39806G	-39.54	2.4844G	-41.80	24.70219G	-38.94	2
2462MHz_TnomVnom	Pass	2.4395G	7.58	-22.42	1.83837G	-53.83	2.39764G	-52.69	2.48584G	-44.64	23.57274G	-39.63	1
2462MHz_TnomVnom	Pass	2.4395G	7.58	-22.42	1.76672G	-55.44	2.3967G	-52.82	2.4842G	-37.65	24.7949G	-39.12	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.43198G	0.37	-29.63	2.30512G	-55.44	2.3982G	-44.06	2.48878G	-51.98	24.61297G	-39.08	1
2422MHz_TnomVnom	Pass	2.43198G	0.37	-29.63	780.26M	-55.07	2.39528G	-42.89	2.49062G	-52.36	23.5276G	-38.60	2
2437MHz_TnomVnom	Pass	2.43198G	0.37	-29.63	2.30884G	-55.16	2.39924G	-37.35	2.48994G	-39.34	24.10815G	-39.08	1
2437MHz_TnomVnom	Pass	2.43198G	0.37	-29.63	1.99368G	-55.22	2.39924G	-36.95	2.48798G	-39.00	24.08571G	-39.08	2
2452MHz_TnomVnom	Pass	2.43198G	0.37	-29.63	1.95475G	-54.88	2.39928G	-51.68	2.48442G	-46.25	23.36494G	-39.32	1
2452MHz_TnomVnom	Pass	2.43198G	0.37	-29.63	2.11877G	-54.61	2.39768G	-51.69	2.48386G	-45.67	24.94391G	-39.34	2

802.11b_Nss1,(1Mbps)_2TX

2412MHz

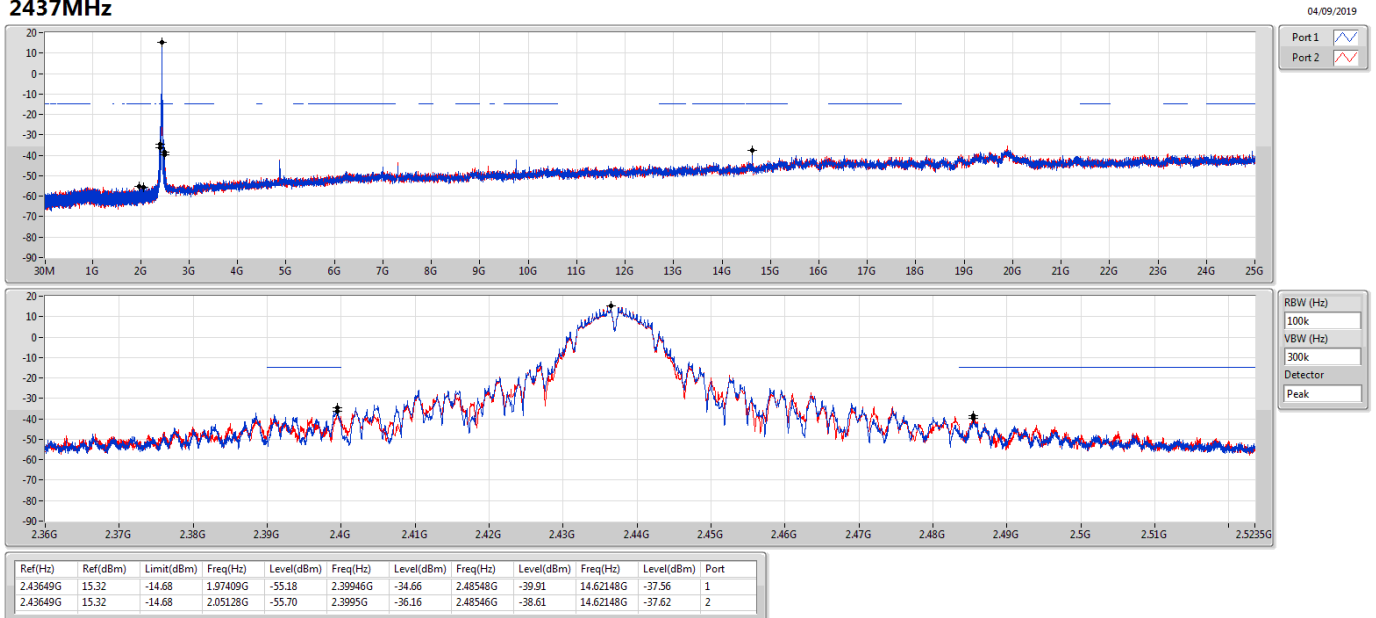
CSE NdB



802.11b_Nss1,(1Mbps)_2TX

2437MHz

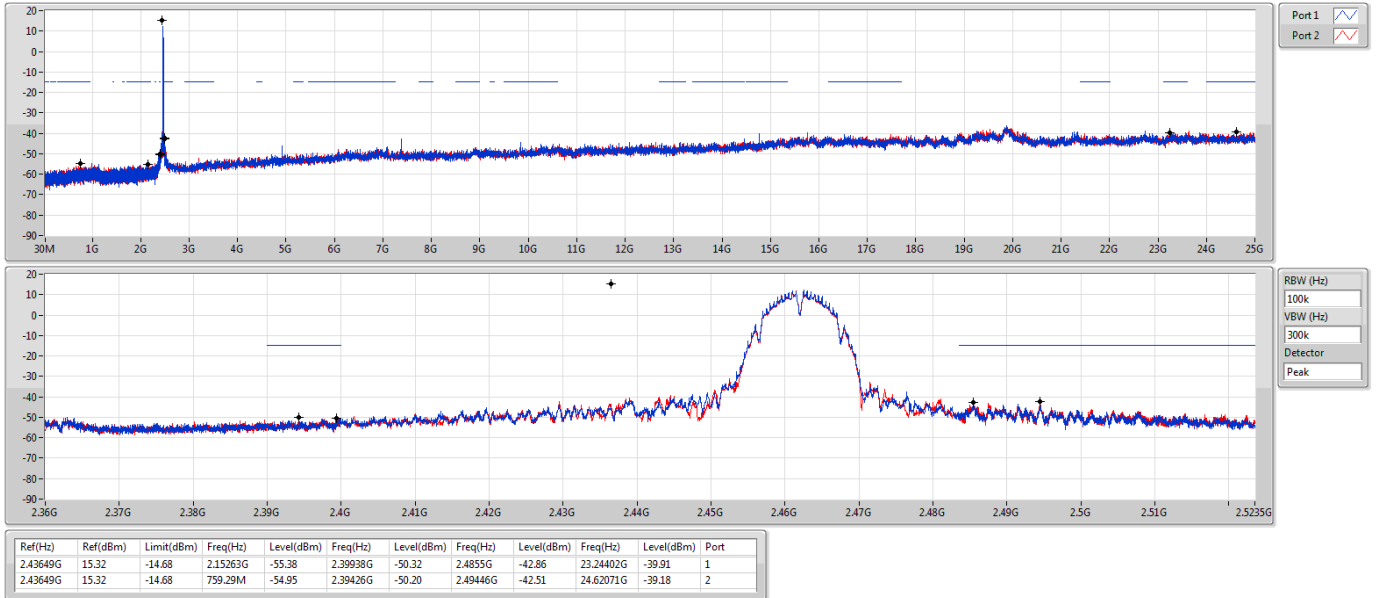
CSE NdB



802.11b_Nss1,(1Mbps)_2TX

CSE NdB

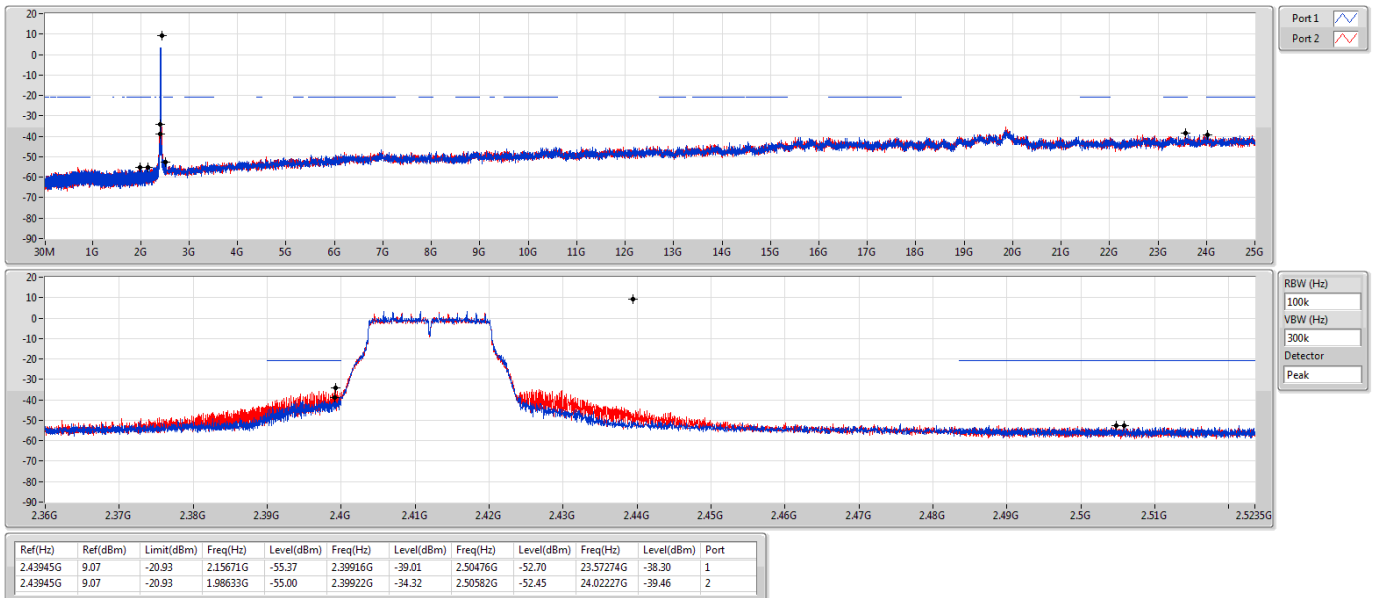
2462MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

2412MHz



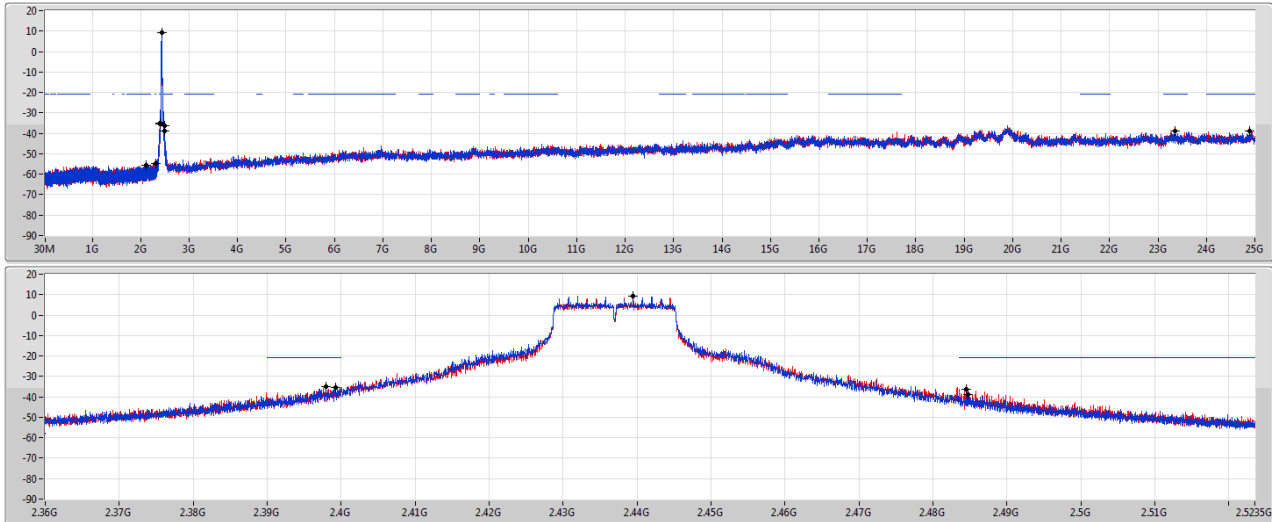
802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSE NdB

04/09/2019

Port 1 
Port 2 



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43945G	9.07	-20.93	2.30408G	-54.91	2.3992G	-35.36	2.48472G	-38.91	2.489886G	-38.82	1
2.43945G	9.07	-20.93	2.11972G	-55.69	2.39796G	-35.00	2.48444G	-36.35	2.335922G	-39.07	2

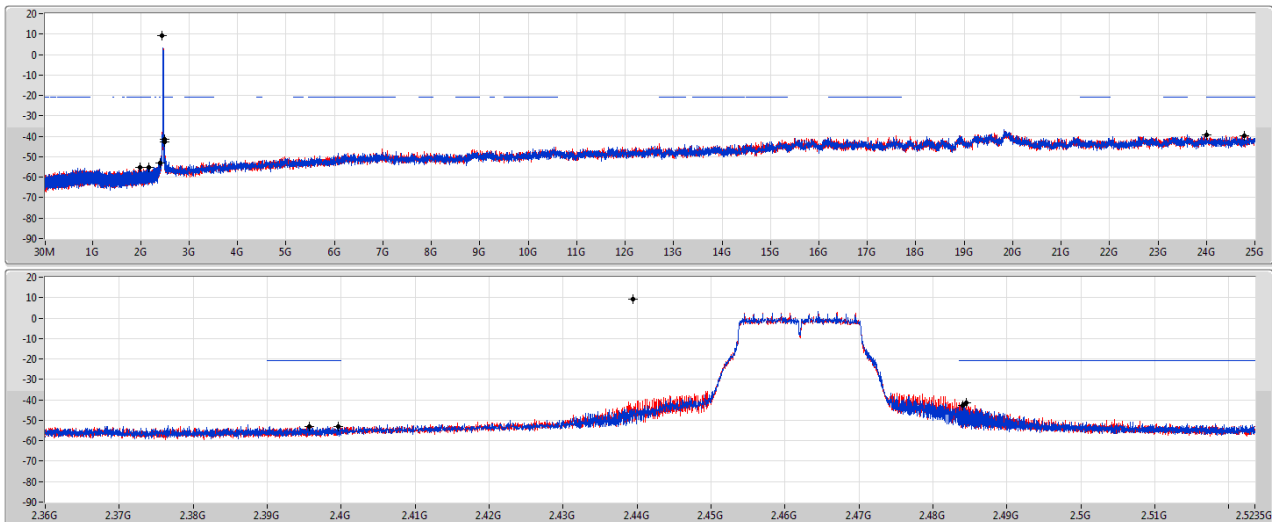
802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSE NdB

04/09/2019

Port 1 
Port 2 



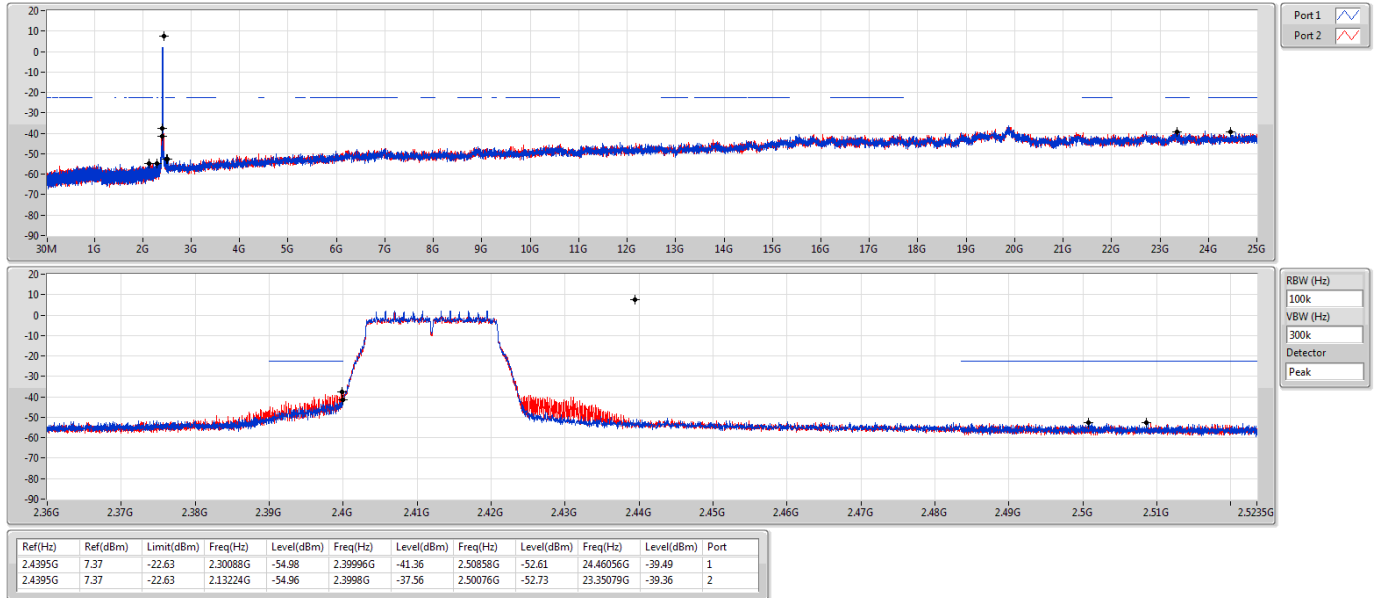
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43945G	9.07	-20.93	2.15904G	-55.38	2.39574G	-53.05	2.48402G	-42.88	2.478928G	-39.92	1
2.43945G	9.07	-20.93	1.98807G	-55.12	2.3996G	-52.94	2.48444G	-41.65	2.400541G	-39.20	2

VHT20_Nss2,(MCS0)_2TX

CSE NdB

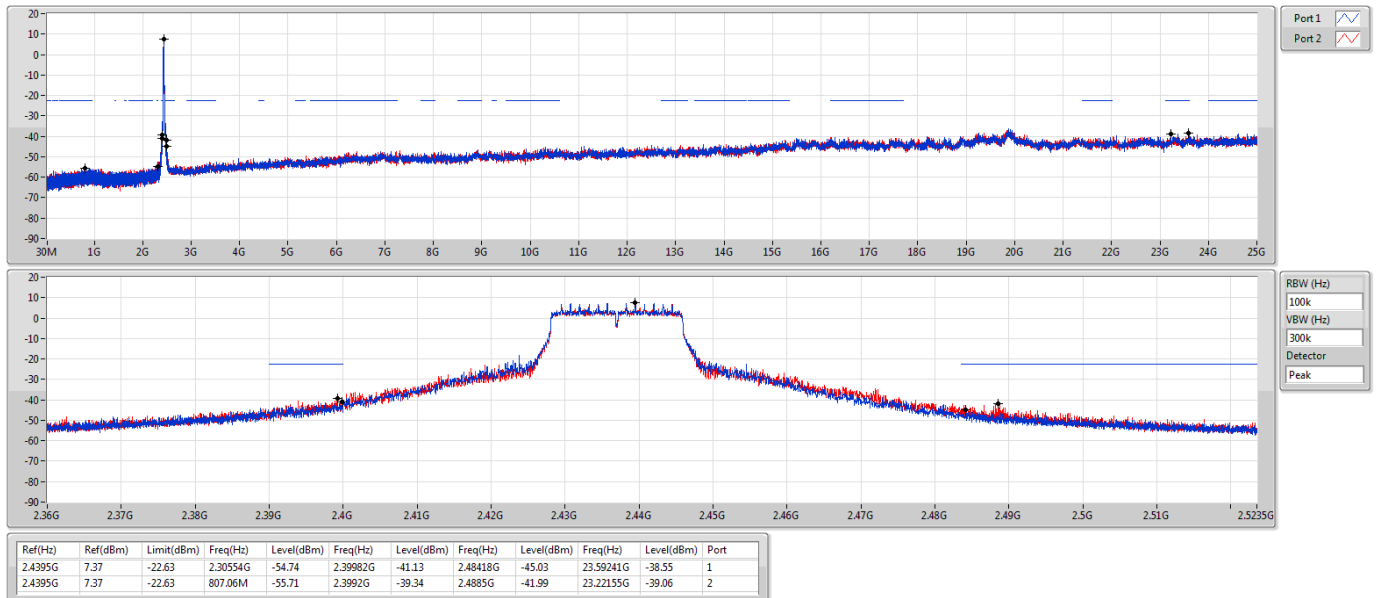
2412MHz



VHT20_Nss2,(MCS0)_2TX

CSE NdB

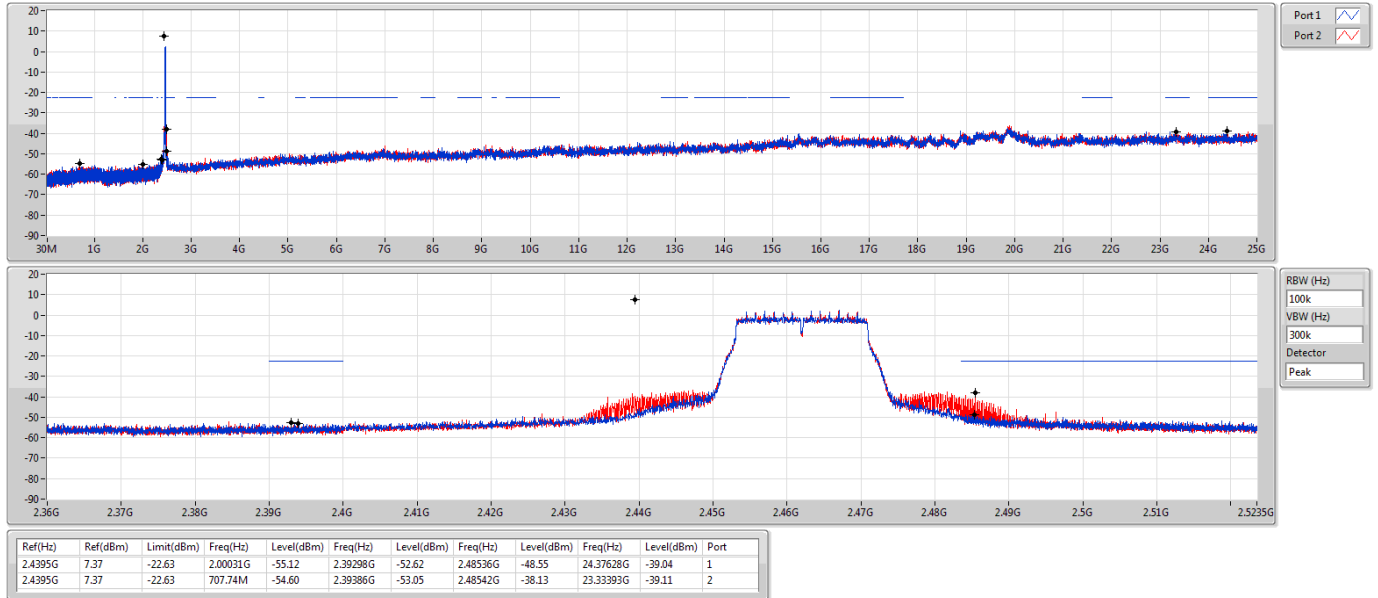
2437MHz



VHT20_Nss2,(MCS0)_2TX

CSE NdB

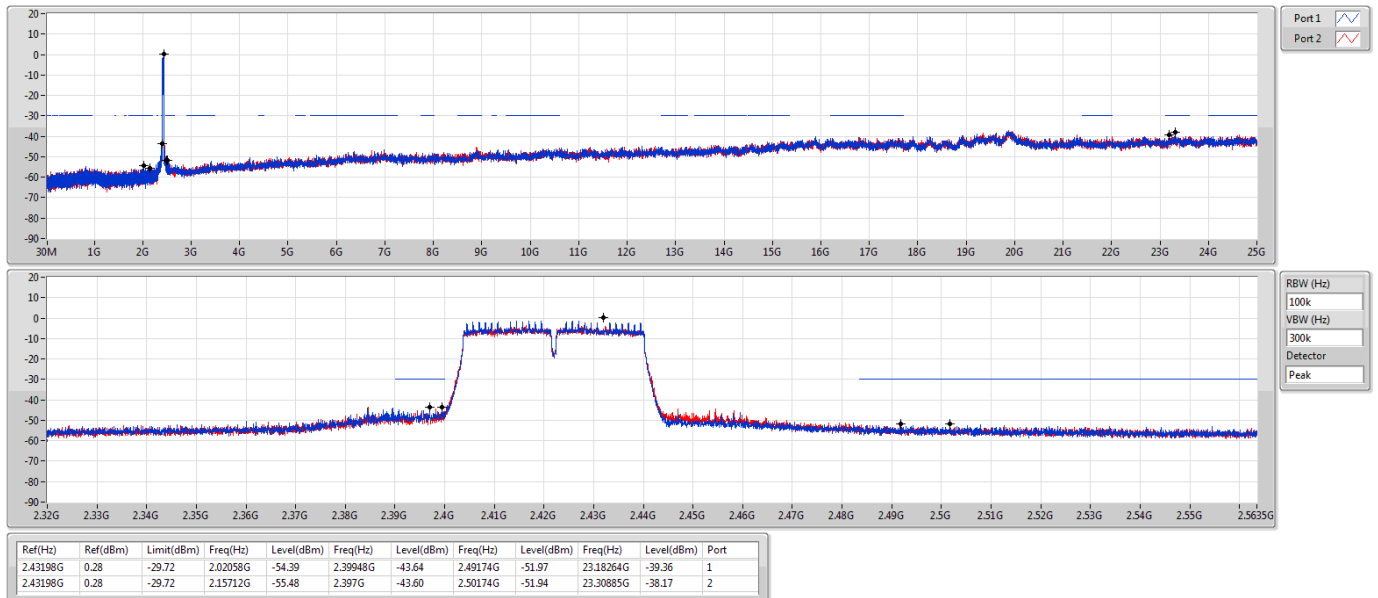
2462MHz



VHT40_Nss2,(MCS0)_2TX

CSE NdB

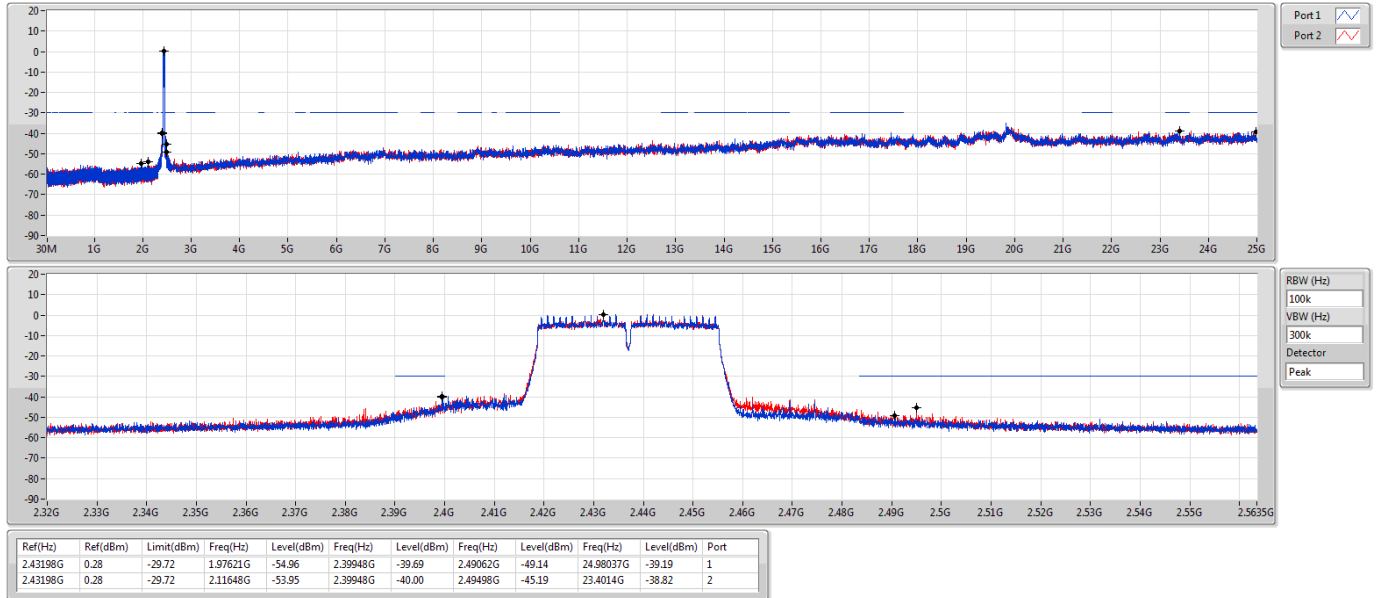
2422MHz



VHT40_Nss2,(MCS0)_2TX

CSE NdB

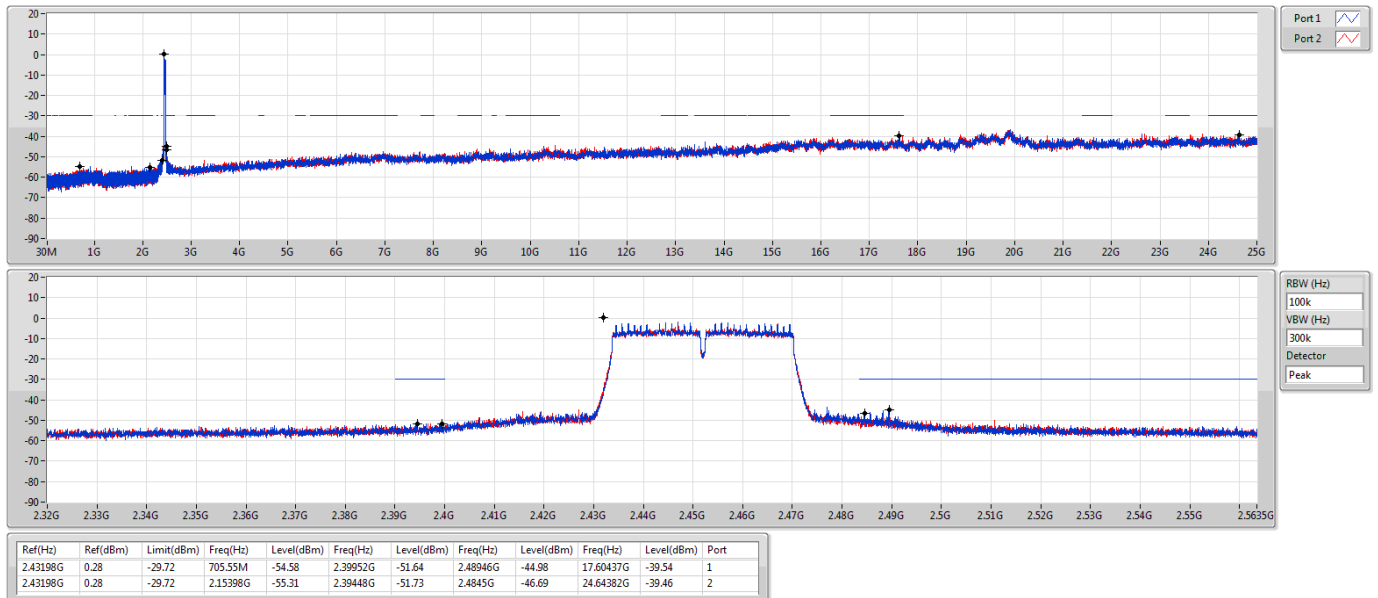
2437MHz



VHT40_Nss2,(MCS0)_2TX

CSE NdB

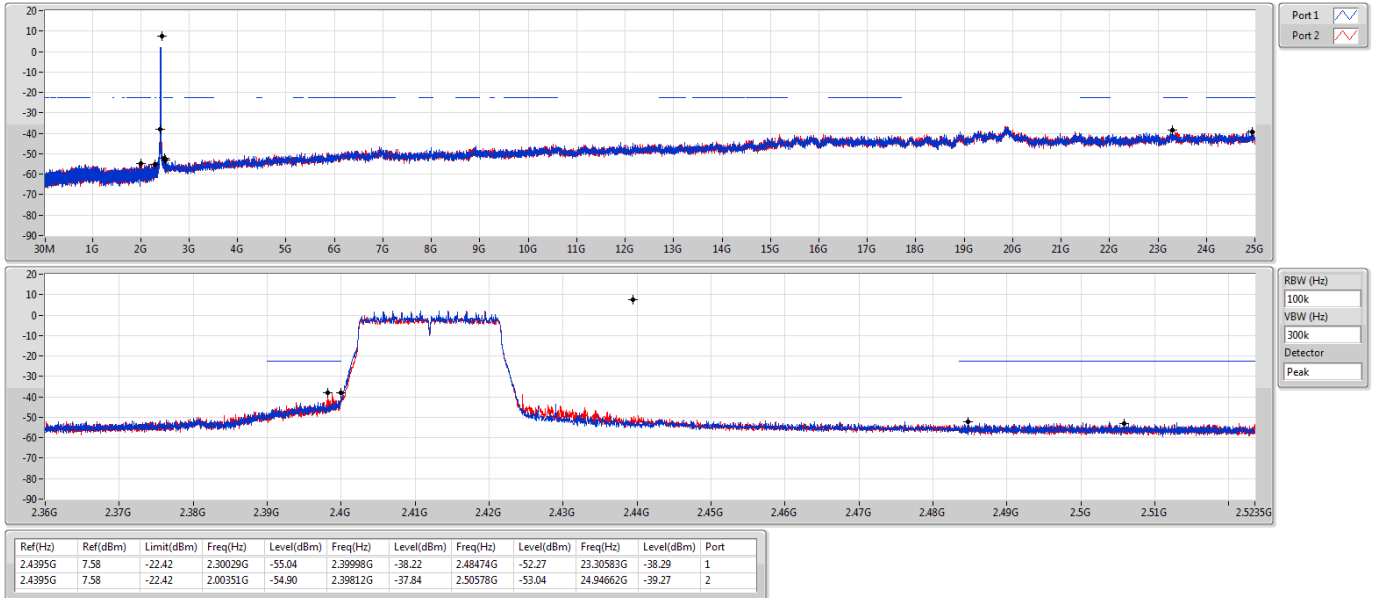
2452MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

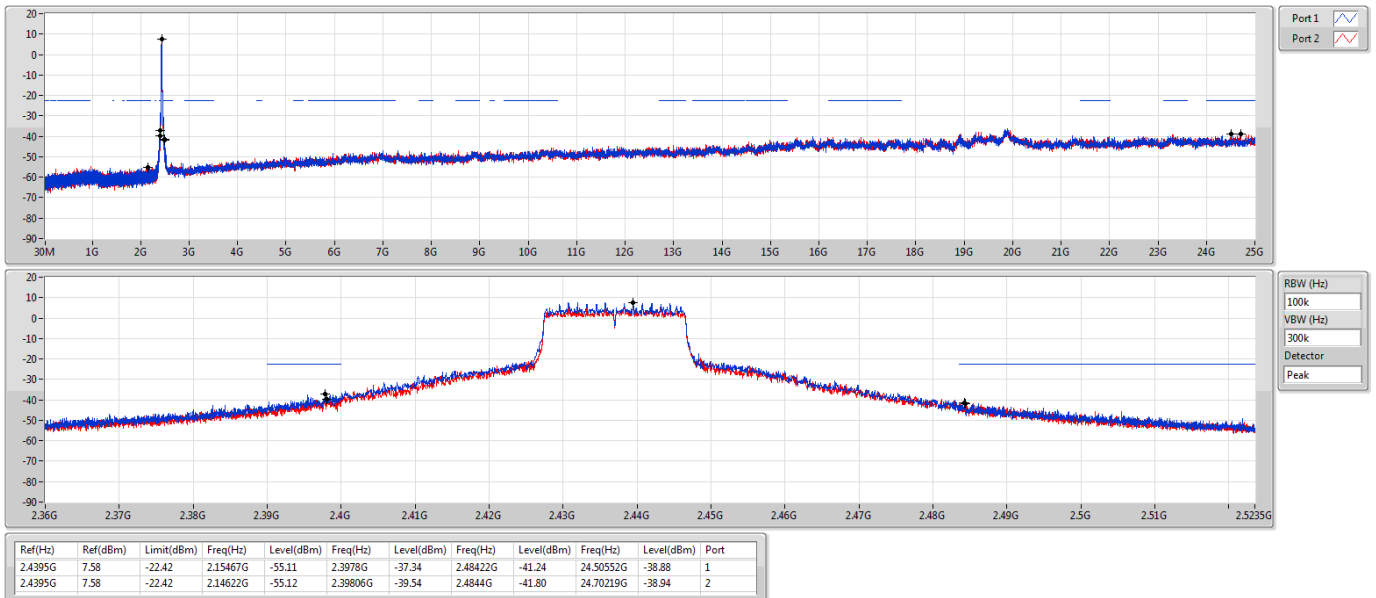
2412MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

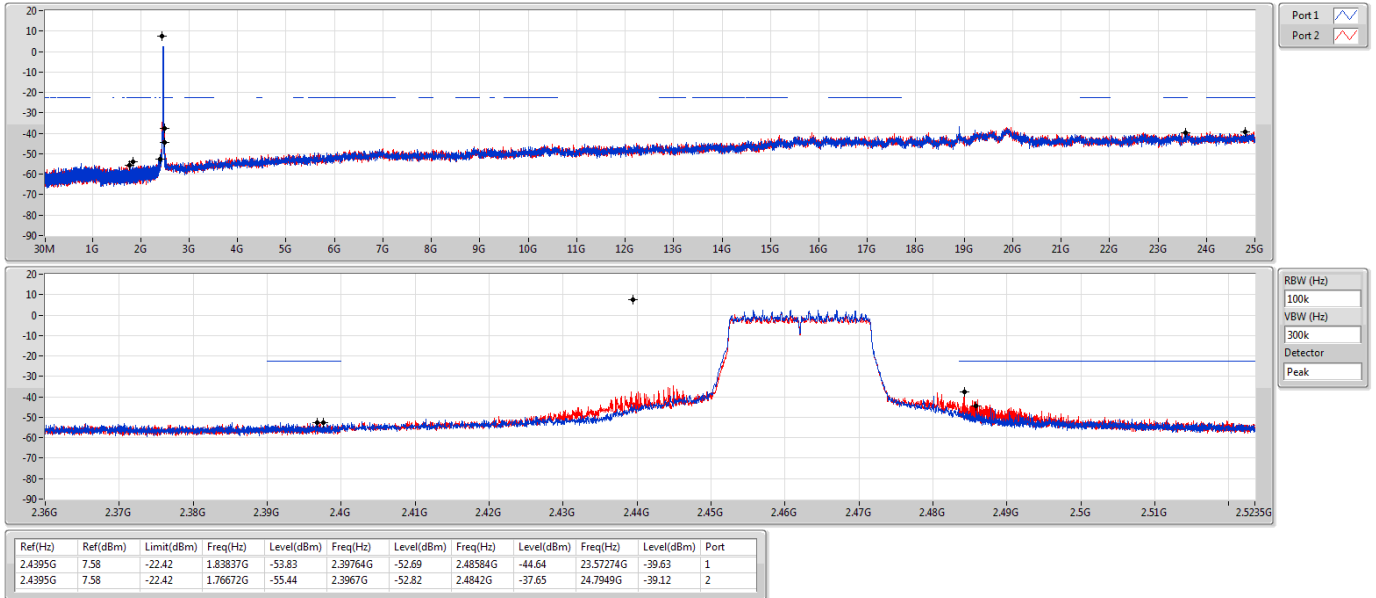
2437MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

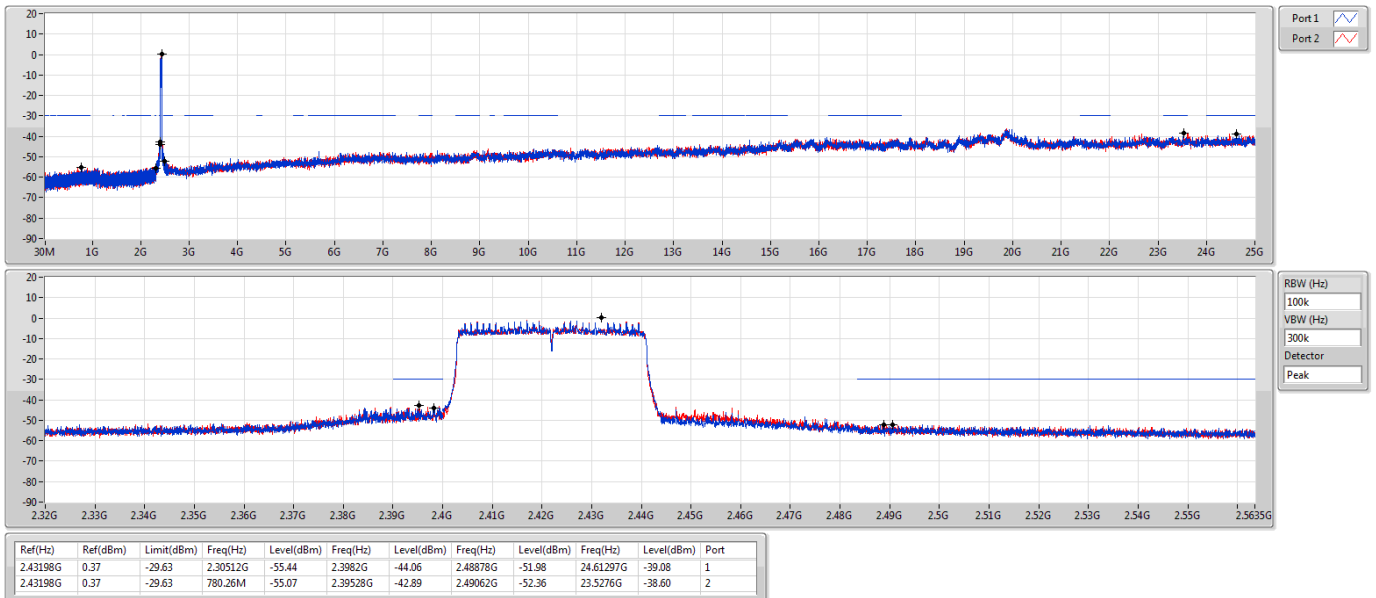
2462MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

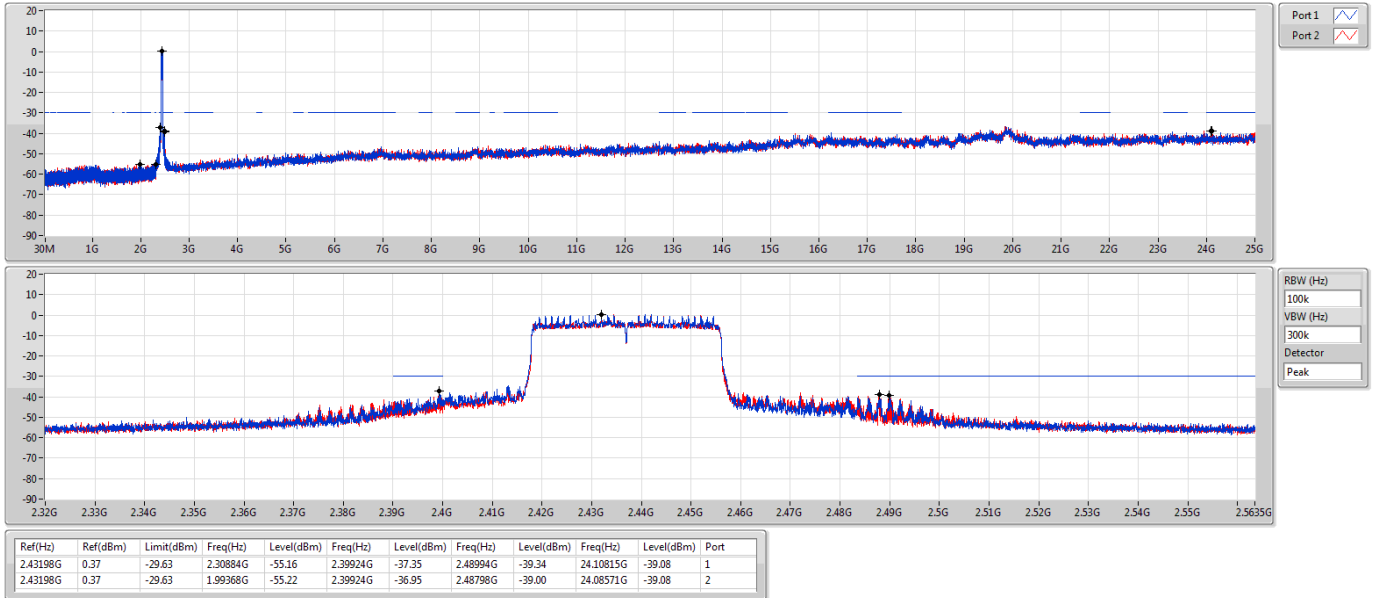
2422MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

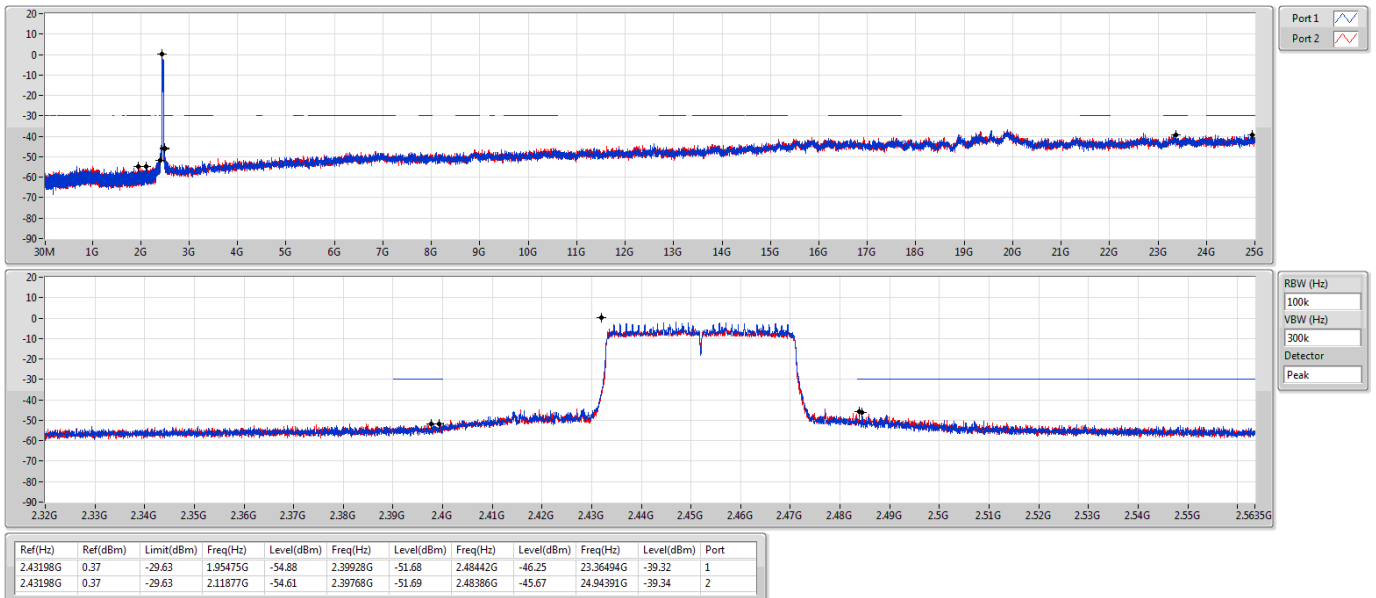
2437MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

2452MHz





**CSE(Non-restricted Band)
Non-Beamforming_Sample 2_Radio 3_Panel 2_1T1S**

Appendix E.15

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43599G	16.11	-13.89	2.30991G	-58.99	2.39996G	-37.30	2.48504G	-53.26	7.23514G	-47.72	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43198G	9.77	-20.23	2.30728G	-59.18	2.39972G	-35.10	2.48444G	-55.37	17.5378G	-52.83	1
VHT20_Nss1,(MCS0)_1TX	Pass	2.43073G	8.50	-21.50	2.30758G	-60.27	2.39948G	-40.53	2.48354G	-44.52	16.95622G	-52.53	1
VHT40_Nss1,(MCS0)_1TX	Pass	2.44196G	2.21	-27.79	2.30139G	-58.69	2.39952G	-38.13	2.48458G	-43.80	24.65504G	-52.87	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.4395G	8.90	-21.10	1.92982G	-59.51	2.3985G	-39.09	2.49418G	-56.10	17.23437G	-53.28	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.44075G	2.73	-27.27	30.86M	-58.74	2.39952G	-33.39	2.48354G	-35.25	15.14757G	-52.75	1

Result

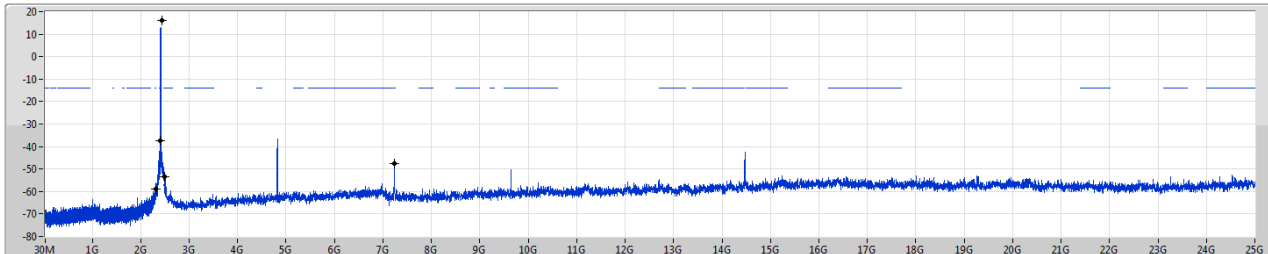
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	16.11	-13.89	2.30991G	-58.99	2.39996G	-37.30	2.48504G	-53.26	7.23514G	-47.72	1
2437MHz	Pass	2.43599G	16.11	-13.89	2.30787G	-58.98	2.3935G	-41.95	2.48548G	-43.97	14.62148G	-38.13	1
2462MHz	Pass	2.43599G	16.11	-13.89	59.71M	-59.74	2.39262G	-53.43	2.48852G	-47.16	14.77319G	-44.58	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	9.77	-20.23	2.30728G	-59.18	2.39972G	-35.10	2.48444G	-55.37	17.5378G	-52.83	1
2437MHz	Pass	2.43198G	9.77	-20.23	2.3067G	-61.19	2.39988G	-39.19	2.48536G	-42.82	16.66403G	-52.84	1
2462MHz	Pass	2.43198G	9.77	-20.23	59.71M	-59.15	2.39792G	-55.82	2.48442G	-47.71	16.57974G	-52.98	1
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	8.50	-21.50	1.92982G	-59.73	2.39972G	-42.60	2.48678G	-58.51	16.43083G	-53.16	1
2437MHz	Pass	2.43073G	8.50	-21.50	2.30758G	-60.27	2.39948G	-40.53	2.48354G	-44.52	16.95622G	-52.53	1
2462MHz	Pass	2.43073G	8.50	-21.50	1.96973G	-59.75	2.3916G	-57.58	2.48666G	-51.96	24.71062G	-53.31	1
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44196G	2.21	-27.79	2.30655G	-58.46	2.39696G	-42.23	2.48386G	-53.35	16.40963G	-53.54	1
2437MHz	Pass	2.44196G	2.21	-27.79	2.30139G	-58.69	2.39952G	-38.13	2.48458G	-43.80	24.65504G	-52.87	1
2452MHz	Pass	2.44196G	2.21	-27.79	31.15M	-58.50	2.39608G	-49.21	2.48822G	-43.37	15.29621G	-53.44	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	8.90	-21.10	1.92982G	-59.51	2.3985G	-39.09	2.49418G	-56.10	17.23437G	-53.28	1
2437MHz	Pass	2.4395G	8.90	-21.10	2.30787G	-60.14	2.3972G	-39.64	2.48472G	-40.41	2.52631G	-52.41	1
2462MHz	Pass	2.4395G	8.90	-21.10	1.96973G	-59.39	2.39824G	-57.03	2.4844G	-44.52	16.26507G	-52.43	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	2.73	-27.27	2.3097G	-58.40	2.39664G	-36.13	2.48538G	-50.99	15.27658G	-51.93	1
2437MHz	Pass	2.44075G	2.73	-27.27	30.86M	-58.74	2.39952G	-33.39	2.48354G	-35.25	15.14757G	-52.75	1
2452MHz	Pass	2.44075G	2.73	-27.27	31.72M	-57.06	2.39852G	-44.72	2.48574G	-35.81	16.37036G	-52.97	1

802.11b_Nss1,(1Mbps)_1TX

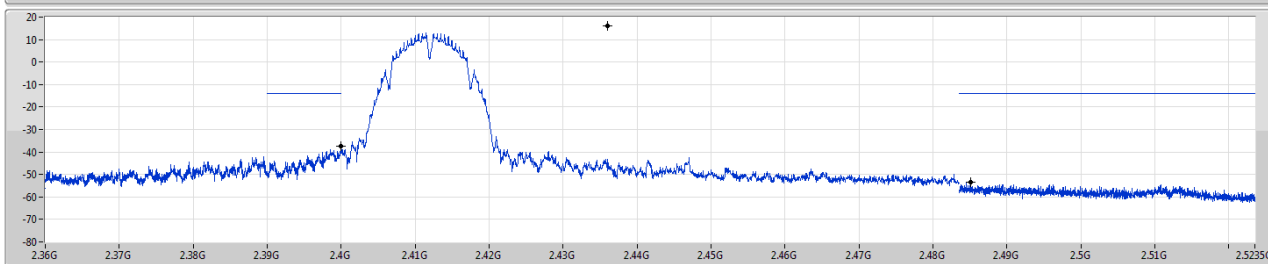
CSE NdB

2412MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

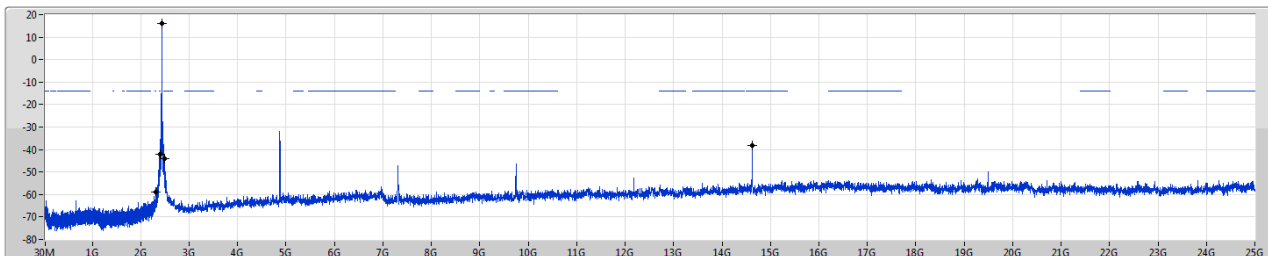
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	16.11	-13.89	2.30991G	-58.99	2.39996G	-37.30	2.48504G	-53.26	7.23514G	-47.72	1

802.11b_Nss1,(1Mbps)_1TX

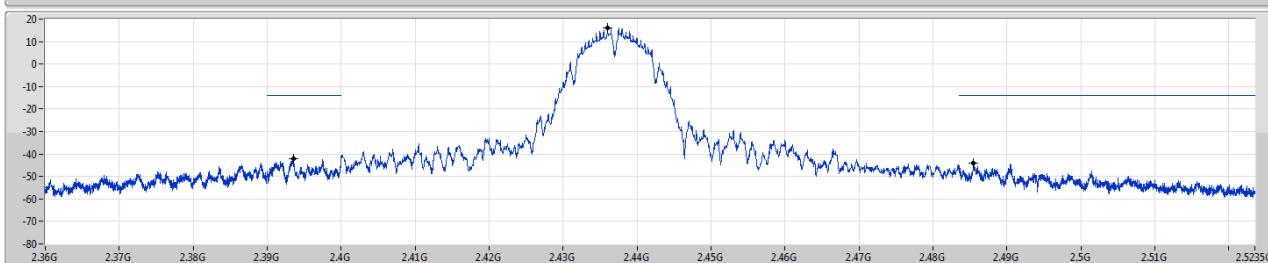
CSE NdB

2437MHz

17/09/2019



Port1



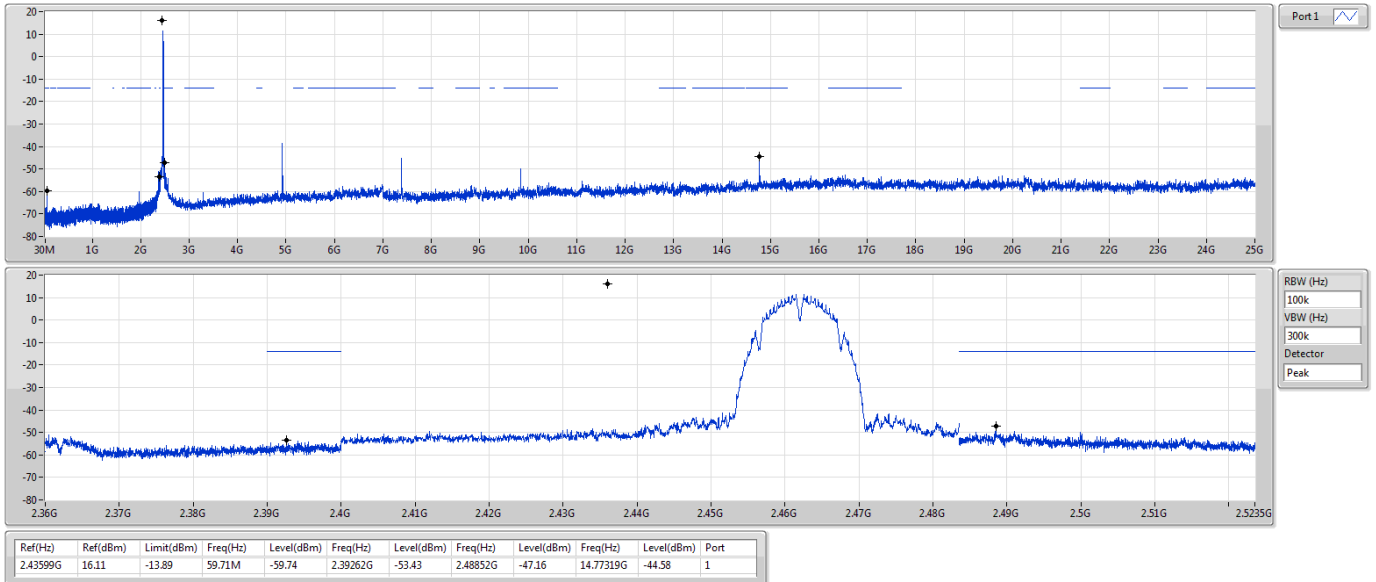
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	16.11	-13.89	2.30787G	-58.98	2.3935G	-41.95	2.48548G	-43.97	14.62148G	-38.13	1

802.11b_Nss1,(1Mbps)_1TX

CSE NdB

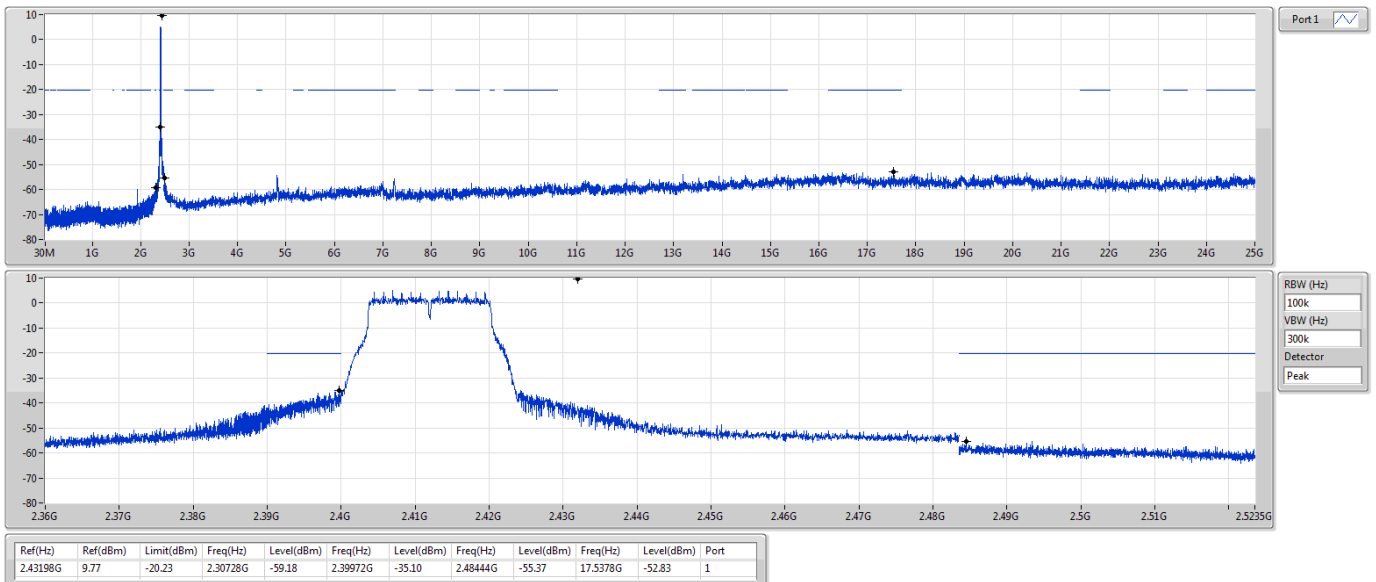
2462MHz



802.11g_Nss1,(6Mbps)_1TX

CSE NdB

2412MHz

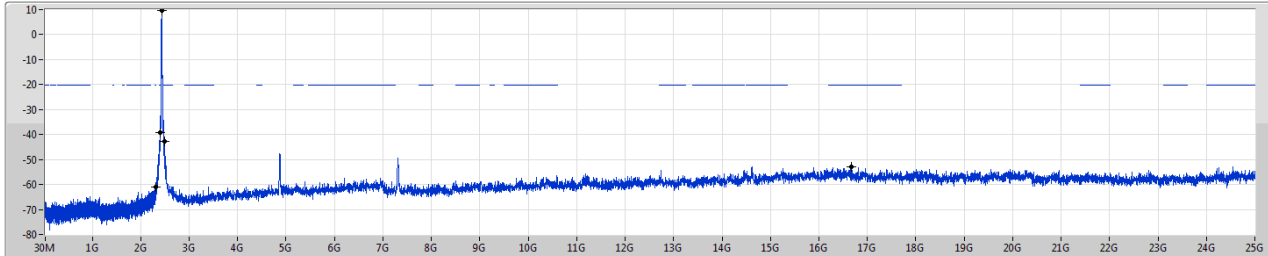


802.11g_Nss1,(6Mbps)_1TX

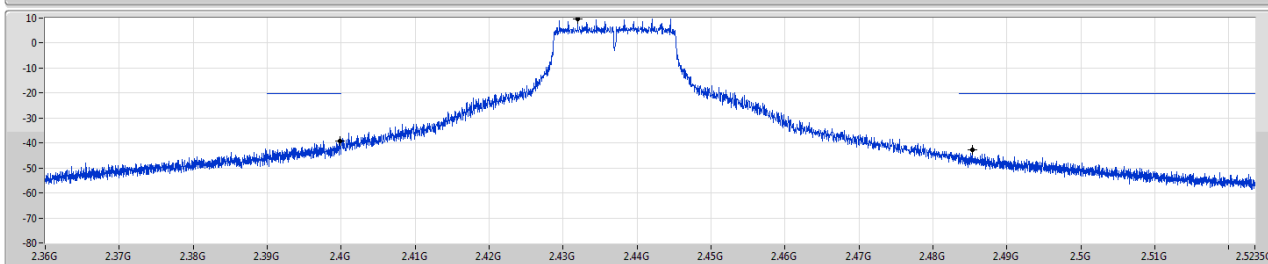
CSE NdB

2437MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

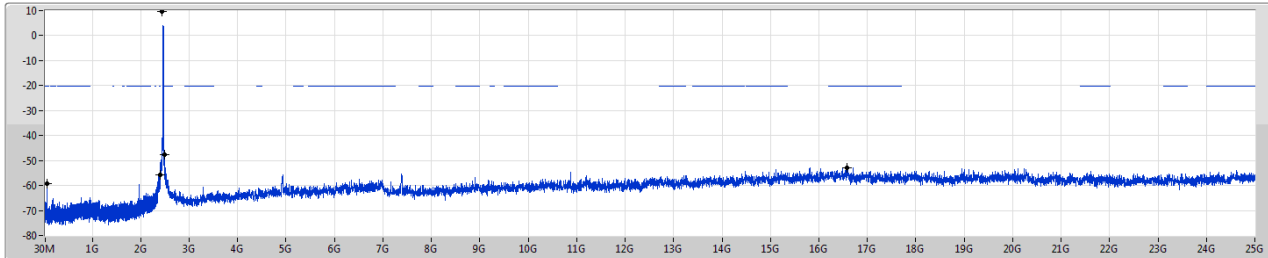
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	9.77	-20.23	2.3067G	-61.19	2.39988G	-39.19	2.48536G	-42.82	16.66403G	-52.84	1

802.11g_Nss1,(6Mbps)_1TX

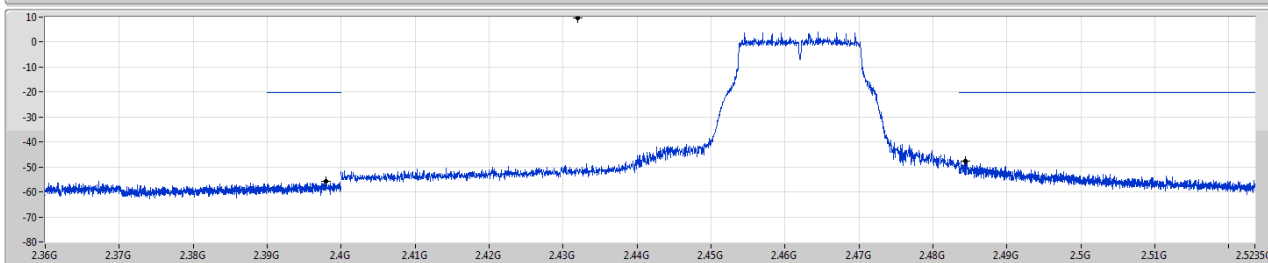
CSE NdB

2462MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

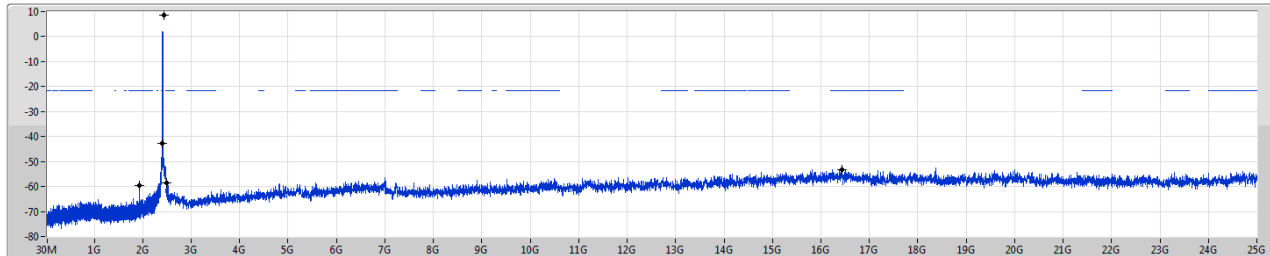
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	9.77	-20.23	59.71M	-59.15	2.39792G	-55.82	2.48442G	-47.71	16.57974G	-52.98	1

VHT20_Nss1,(MCS0)_1TX

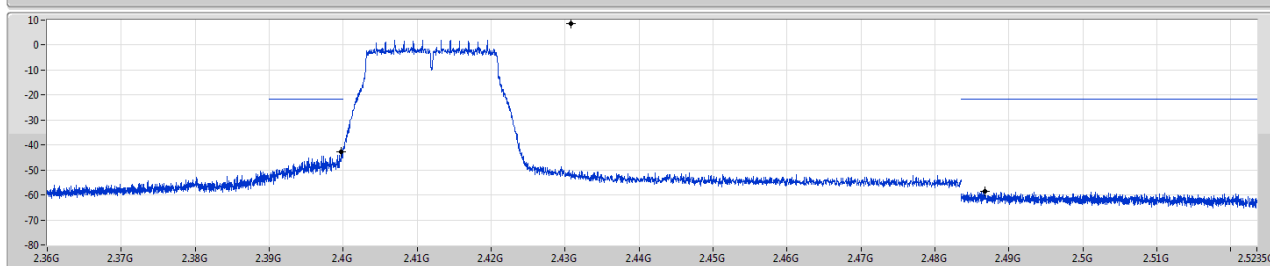
CSE NdB

2412MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

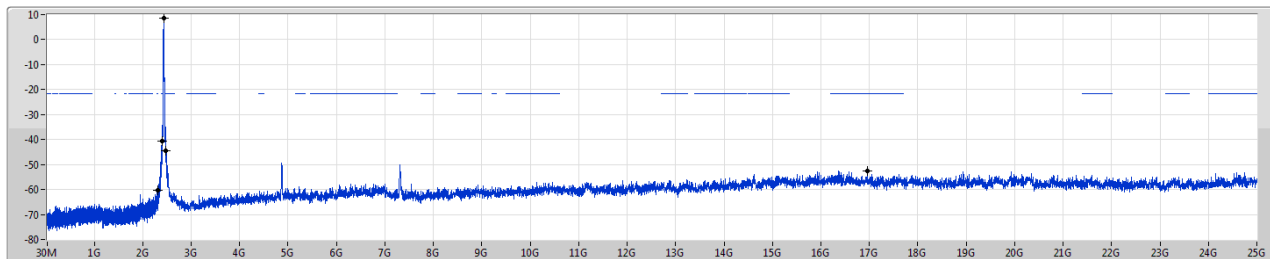
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	8.50	-21.50	1.92982G	-59.73	2.39972G	-42.60	2.48678G	-58.51	16.43083G	-53.16	1

VHT20_Nss1,(MCS0)_1TX

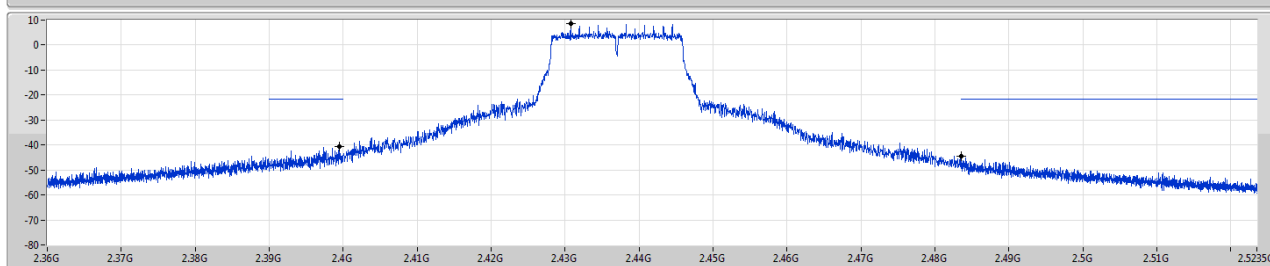
CSE NdB

2437MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

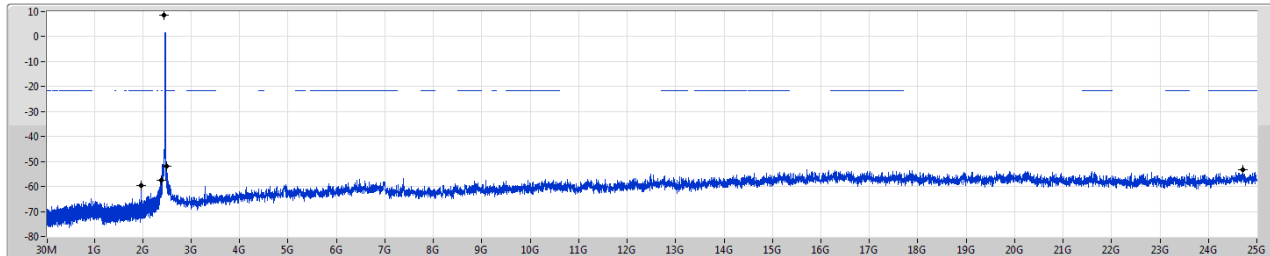
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	8.50	-21.50	2.30758G	-60.27	2.39948G	-40.53	2.48354G	-44.52	16.95622G	-52.53	1

VHT20_Nss1,(MCS0)_1TX

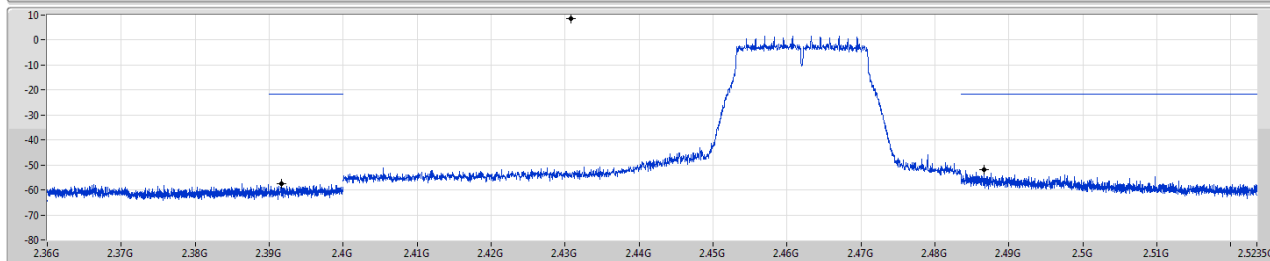
CSE NdB

2462MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

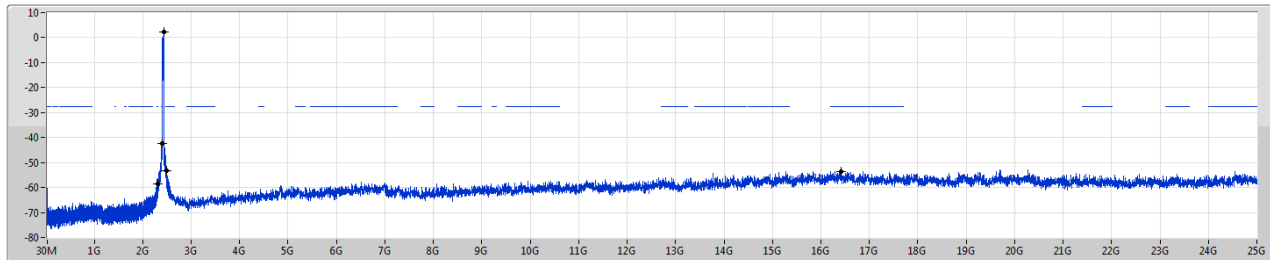
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43073G	8.50	-21.50	1.96973G	-59.75	2.3916G	-57.58	2.48666G	-51.96	24.71062G	-53.31	1

VHT40_Nss1,(MCS0)_1TX

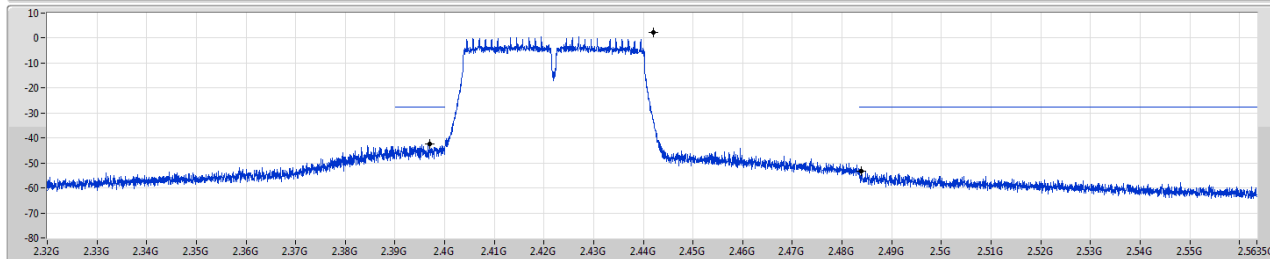
CSE NdB

2422MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

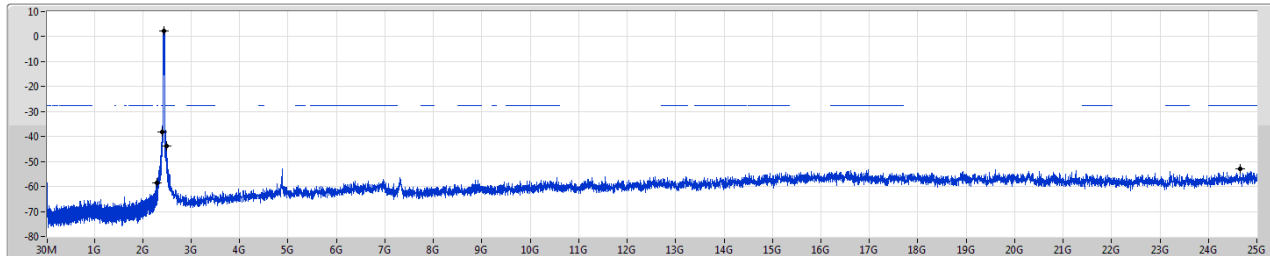
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	2.21	-27.79	2.30655G	-58.46	2.39696G	-42.23	2.48386G	-53.35	16.40963G	-53.54	1

VHT40_Nss1,(MCS0)_1TX

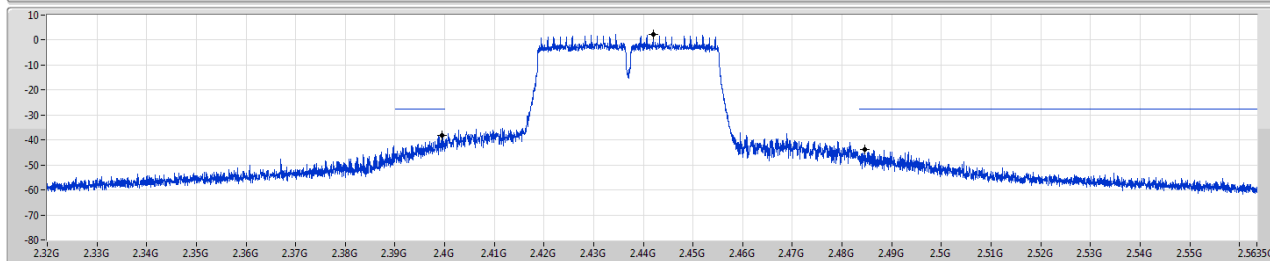
CSE NdB

2437MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

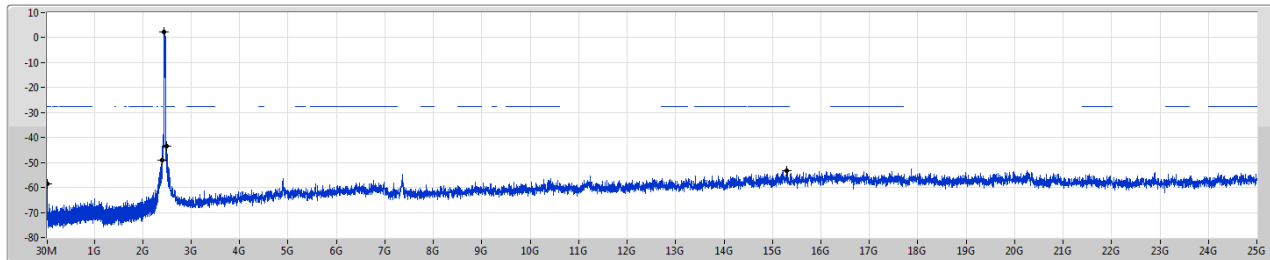
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	2.21	-27.79	2.30139G	-58.69	2.39952G	-38.13	2.48458G	-43.80	2.465504G	-52.87	1

VHT40_Nss1,(MCS0)_1TX

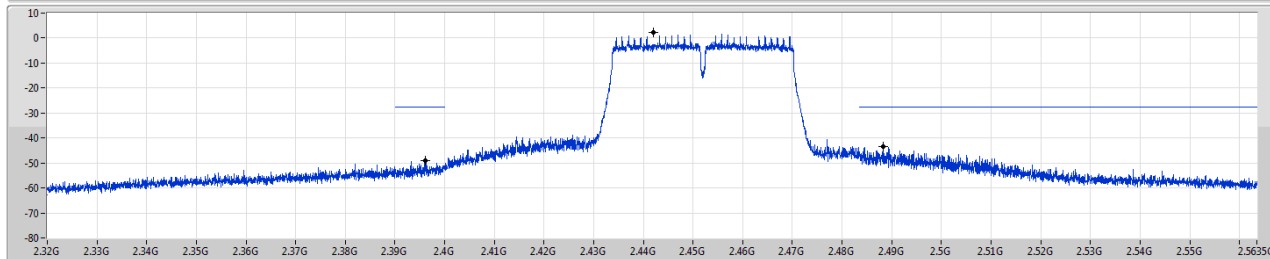
CSE NdB

2452MHz

17/09/2019



Port1



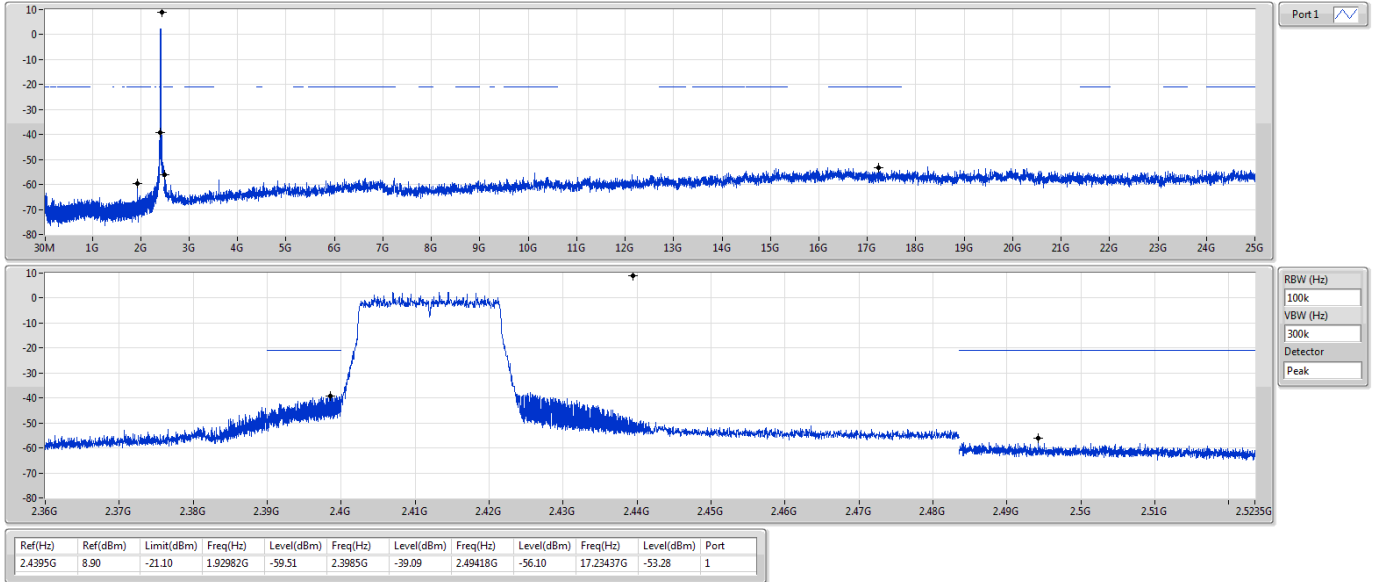
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	2.21	-27.79	31.15M	-58.50	2.39608G	-49.21	2.48822G	-43.37	15.29621G	-53.44	1

802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

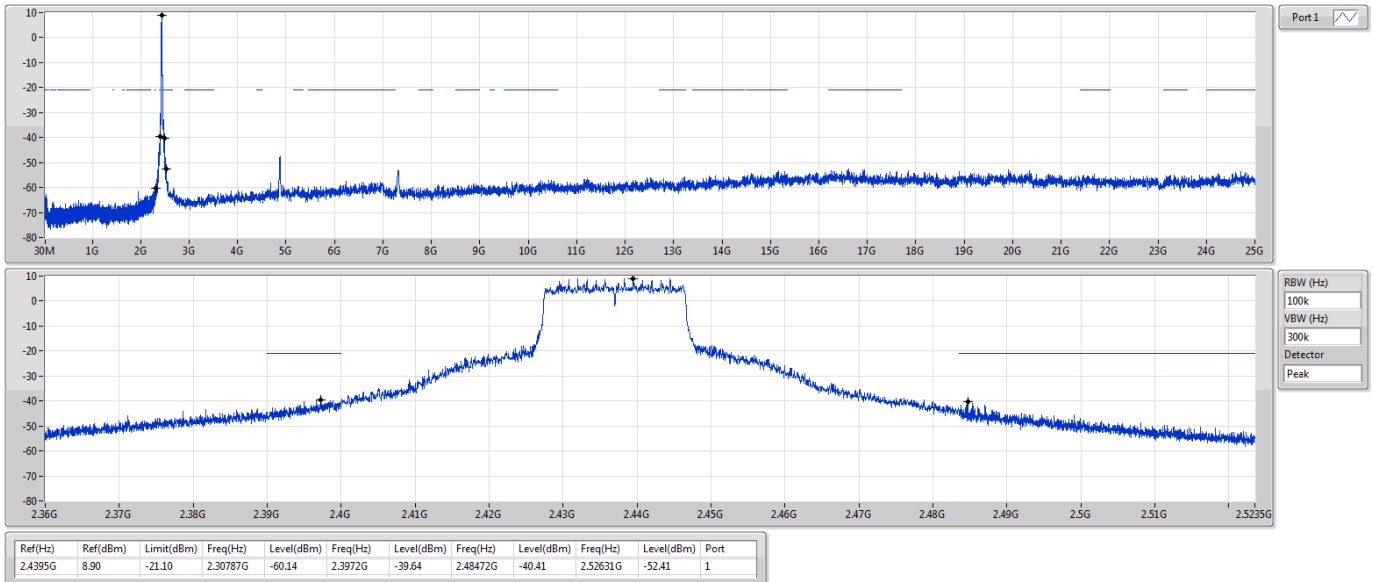
2412MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

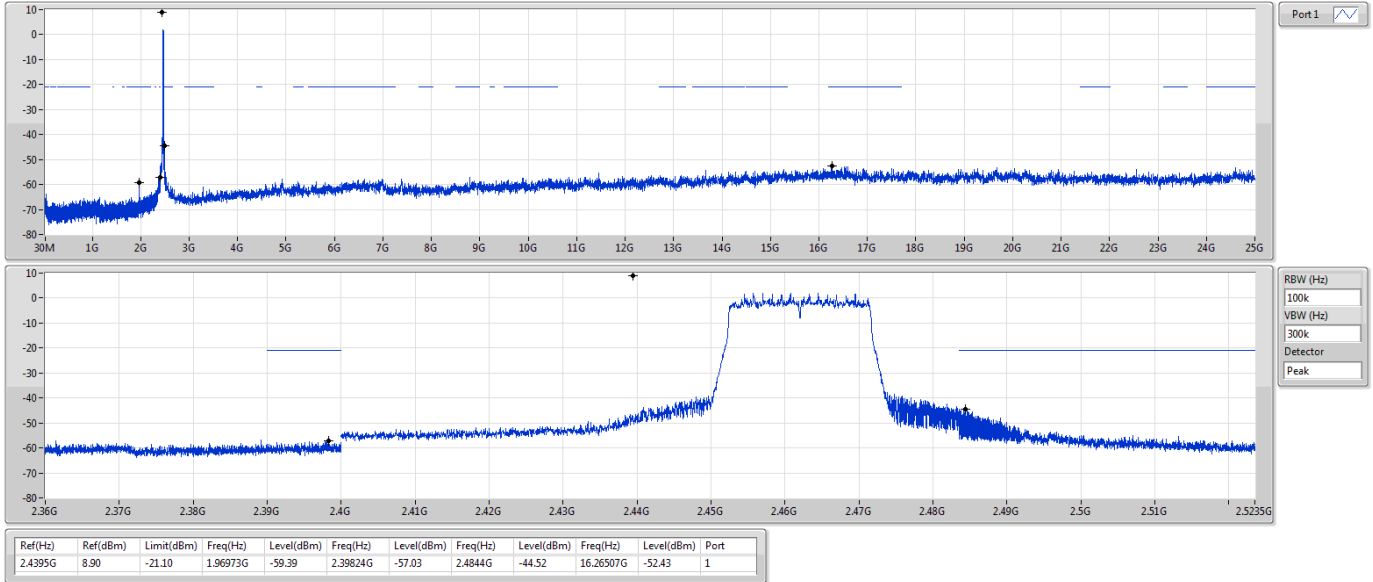
2437MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE NdB

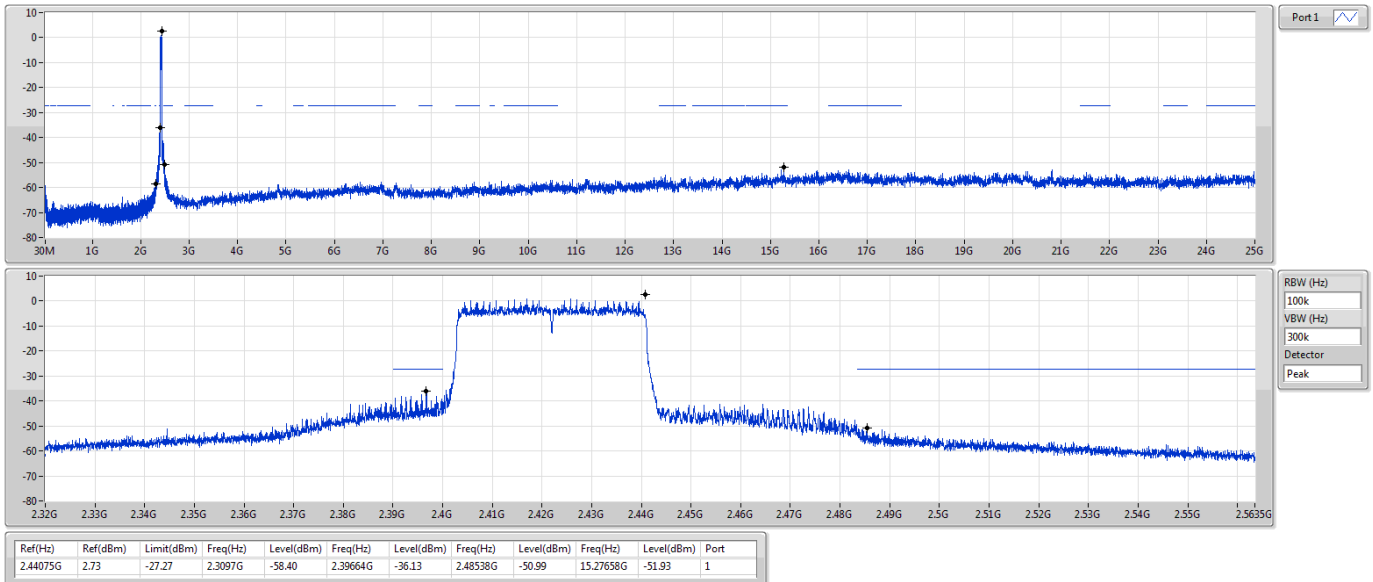
2462MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE NdB

2422MHz

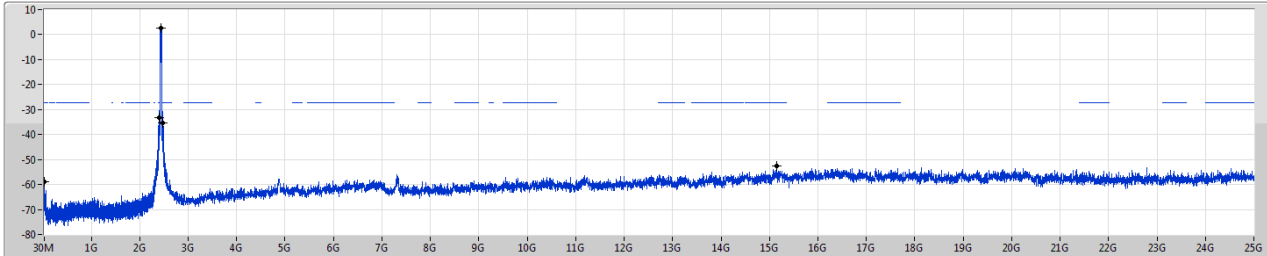


802.11ax HEW40_Nss1,(MCS0)_1TX

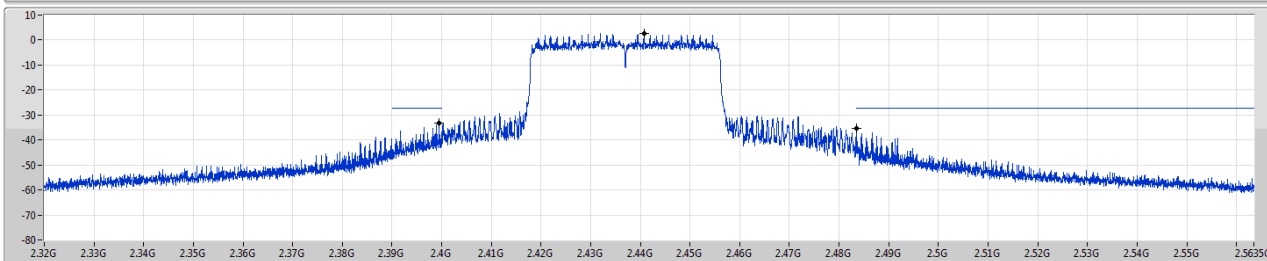
CSE NdB

2437MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

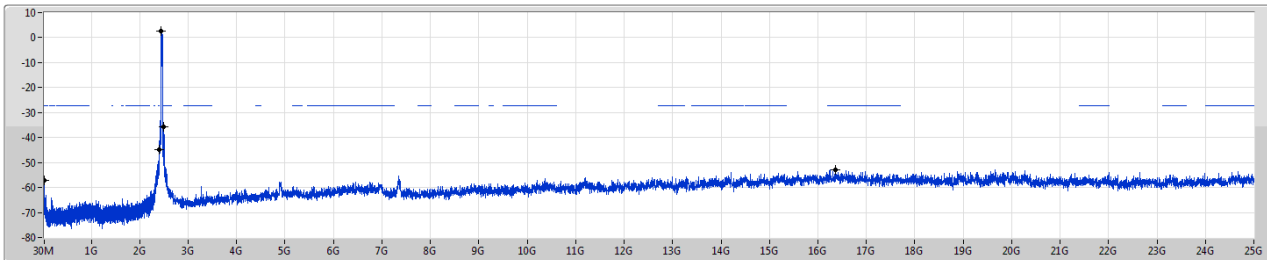
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	2.73	-27.27	30.86M	-58.74	2.39952G	-33.39	2.48354G	-35.25	15.14757G	-52.75	1

802.11ax HEW40_Nss1,(MCS0)_1TX

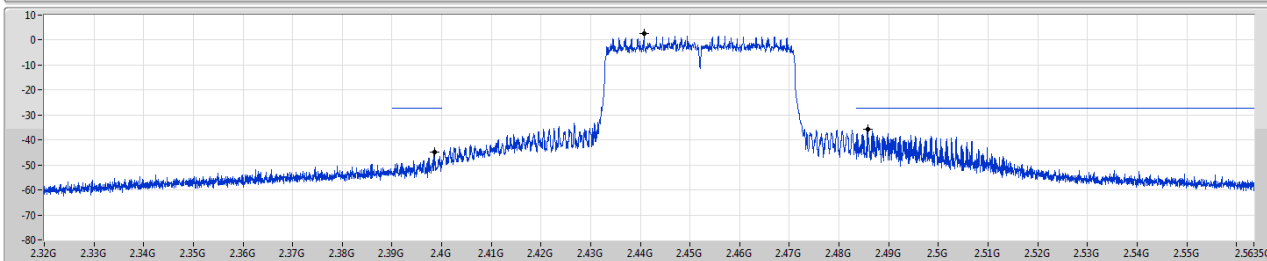
CSE NdB

2452MHz

17/09/2019



Port1



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	2.73	-27.27	31.72M	-57.06	2.39852G	-44.72	2.48574G	-35.81	16.37036G	-52.97	1



**CSE(Non-restricted Band)
Non-Beamforming_Sample 2_Radio 3_Panel 2_2T2S**

Appendix E.16

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43799G	12.94	-17.06	2.02914G	-54.94	2.39848G	-36.14	2.48618G	-51.25	16.79889G	-41.81	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44196G	7.38	-22.62	2.01341G	-54.36	2.39916G	-32.75	2.49978G	-51.19	15.06258G	-40.43	2
VHT20_Nss2,(MCS0)_2TX	Pass	2.442G	6.32	-23.68	2.15496G	-55.49	2.39376G	-52.72	2.48728G	-50.37	15.10191G	-39.93	1
VHT40_Nss2,(MCS0)_2TX	Pass	2.43198G	-0.61	-30.61	2.16686G	-54.92	2.39952G	-43.11	2.48482G	-51.01	15.041G	-41.08	1
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.44196G	6.33	-23.67	2.12758G	-54.78	2.39704G	-39.49	2.49444G	-51.83	24.78366G	-41.01	2
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.43198G	-0.57	-30.57	2.14567G	-53.62	2.39284G	-44.99	2.48786G	-51.99	15.09989G	-40.55	1

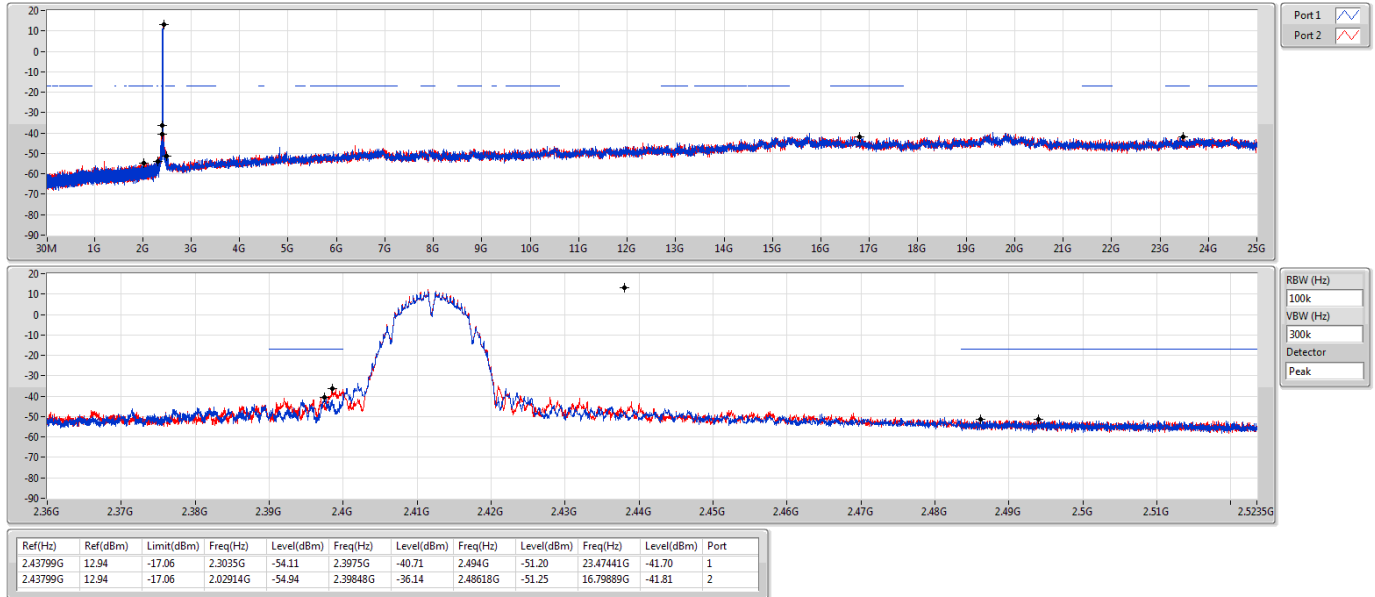
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43799G	12.94	-17.06	2.3035G	-54.11	2.3975G	-40.71	2.494G	-51.20	23.47441G	-41.70	1
2412MHz	Pass	2.43799G	12.94	-17.06	2.02914G	-54.94	2.39848G	-36.14	2.48618G	-51.25	16.79889G	-41.81	2
2437MHz	Pass	2.43799G	12.94	-17.06	2.30146G	-52.49	2.39502G	-49.10	2.48554G	-49.12	16.8916G	-41.12	1
2437MHz	Pass	2.43799G	12.94	-17.06	2.30466G	-54.40	2.39648G	-45.02	2.48398G	-47.33	15.34072G	-40.78	2
2462MHz	Pass	2.43799G	12.94	-17.06	2.1503G	-53.31	2.39706G	-51.27	2.4864G	-44.52	15.10191G	-41.80	1
2462MHz	Pass	2.43799G	12.94	-17.06	2.19981G	-54.01	2.39982G	-50.82	2.48498G	-39.90	15.31263G	-41.36	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	7.38	-22.62	1.92982G	-54.49	2.3993G	-35.03	2.48732G	-51.79	16.76236G	-40.65	1
2412MHz	Pass	2.44196G	7.38	-22.62	2.01341G	-54.36	2.39916G	-32.75	2.49978G	-51.19	15.06258G	-40.43	2
2437MHz	Pass	2.44196G	7.38	-22.62	1.96128G	-54.77	2.39976G	-43.84	2.48366G	-46.99	23.5025G	-41.60	1
2437MHz	Pass	2.44196G	7.38	-22.62	2.1305G	-54.48	2.39984G	-42.33	2.48638G	-45.94	24.48304G	-41.20	2
2462MHz	Pass	2.44196G	7.38	-22.62	2.12758G	-54.02	2.39836G	-51.34	2.48604G	-46.37	15.32949G	-41.33	1
2462MHz	Pass	2.44196G	7.38	-22.62	2.10137G	-54.75	2.3991G	-51.27	2.48382G	-43.05	15.09348G	-41.38	2
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	6.32	-23.68	2.16632G	-55.22	2.39994G	-41.02	2.50056G	-52.67	15.3323G	-41.03	1
2412MHz	Pass	2.442G	6.32	-23.68	2.03205G	-55.17	2.39992G	-40.82	2.48732G	-52.12	24.49709G	-41.90	2
2437MHz	Pass	2.442G	6.32	-23.68	2.09525G	-54.47	2.3945G	-47.44	2.48636G	-49.59	15.09348G	-40.20	1
2437MHz	Pass	2.442G	6.32	-23.68	2.15321G	-53.96	2.39636G	-47.05	2.48618G	-47.97	17.52656G	-41.48	2
2462MHz	Pass	2.442G	6.32	-23.68	2.15496G	-55.49	2.39376G	-52.72	2.48728G	-50.37	15.10191G	-39.93	1
2462MHz	Pass	2.442G	6.32	-23.68	2.13253G	-54.83	2.39616G	-52.06	2.49746G	-50.47	23.43226G	-41.46	2
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	-0.61	-30.61	2.1056G	-55.07	2.39972G	-45.76	2.49226G	-50.91	16.67606G	-41.71	1
2422MHz	Pass	2.43198G	-0.61	-30.61	2.30941G	-54.44	2.39164G	-46.67	2.49066G	-52.01	23.46871G	-41.92	2
2437MHz	Pass	2.43198G	-0.61	-30.61	2.16686G	-54.92	2.39952G	-43.11	2.48482G	-51.01	15.041G	-41.08	1
2437MHz	Pass	2.43198G	-0.61	-30.61	2.11762G	-54.20	2.39952G	-42.32	2.48882G	-48.99	24.0773G	-41.29	2
2452MHz	Pass	2.43198G	-0.61	-30.61	2.10989G	-54.91	2.39664G	-52.93	2.48446G	-48.28	17.39403G	-41.32	1
2452MHz	Pass	2.43198G	-0.61	-30.61	2.14997G	-54.71	2.39448G	-51.68	2.48446G	-48.63	16.63679G	-41.13	2
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	6.33	-23.67	2.15467G	-53.91	2.39994G	-40.89	2.489G	-52.35	24.43247G	-40.78	1
2412MHz	Pass	2.44196G	6.33	-23.67	2.12758G	-54.78	2.39704G	-39.49	2.49444G	-51.83	24.78366G	-41.01	2
2437MHz	Pass	2.44196G	6.33	-23.67	2.04836G	-54.87	2.39832G	-47.18	2.49044G	-49.45	23.14007G	-41.77	1
2437MHz	Pass	2.44196G	6.33	-23.67	2.30117G	-55.09	2.39976G	-44.52	2.48508G	-47.08	16.80451G	-41.22	2
2462MHz	Pass	2.44196G	6.33	-23.67	2.30758G	-54.04	2.39734G	-52.07	2.48568G	-49.53	15.06539G	-41.79	1
2462MHz	Pass	2.44196G	6.33	-23.67	2.1704G	-55.06	2.3906G	-52.30	2.48604G	-47.85	15.09348G	-40.51	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	-0.57	-30.57	2.14567G	-53.62	2.39284G	-44.99	2.48786G	-51.99	15.09989G	-40.55	1
2422MHz	Pass	2.43198G	-0.57	-30.57	2.30368G	-54.27	2.39328G	-45.05	2.4849G	-52.19	15.34389G	-41.58	2
2437MHz	Pass	2.43198G	-0.57	-30.57	2.30168G	-54.58	2.39976G	-44.33	2.49202G	-48.94	24.05486G	-41.03	1
2437MHz	Pass	2.43198G	-0.57	-30.57	2.30912G	-54.86	2.3982G	-42.85	2.48798G	-48.60	16.24416G	-41.45	2
2452MHz	Pass	2.43198G	-0.57	-30.57	2.15856G	-54.37	2.39108G	-52.93	2.48702G	-49.80	15.12514G	-41.59	1
2452MHz	Pass	2.43198G	-0.57	-30.57	1.93585G	-55.17	2.39584G	-51.84	2.49074G	-48.00	15.11392G	-40.86	2

802.11b_Nss1,(1Mbps)_2TX

2412MHz

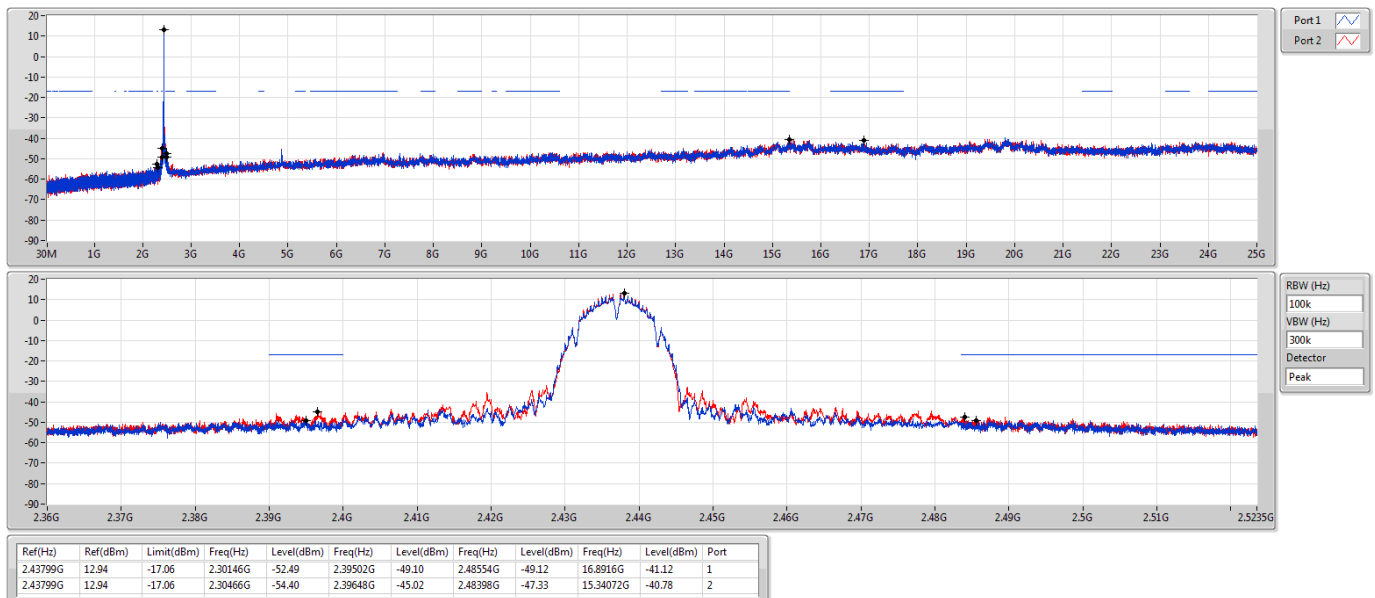
CSE NdB



802.11b_Nss1,(1Mbps)_2TX

2437MHz

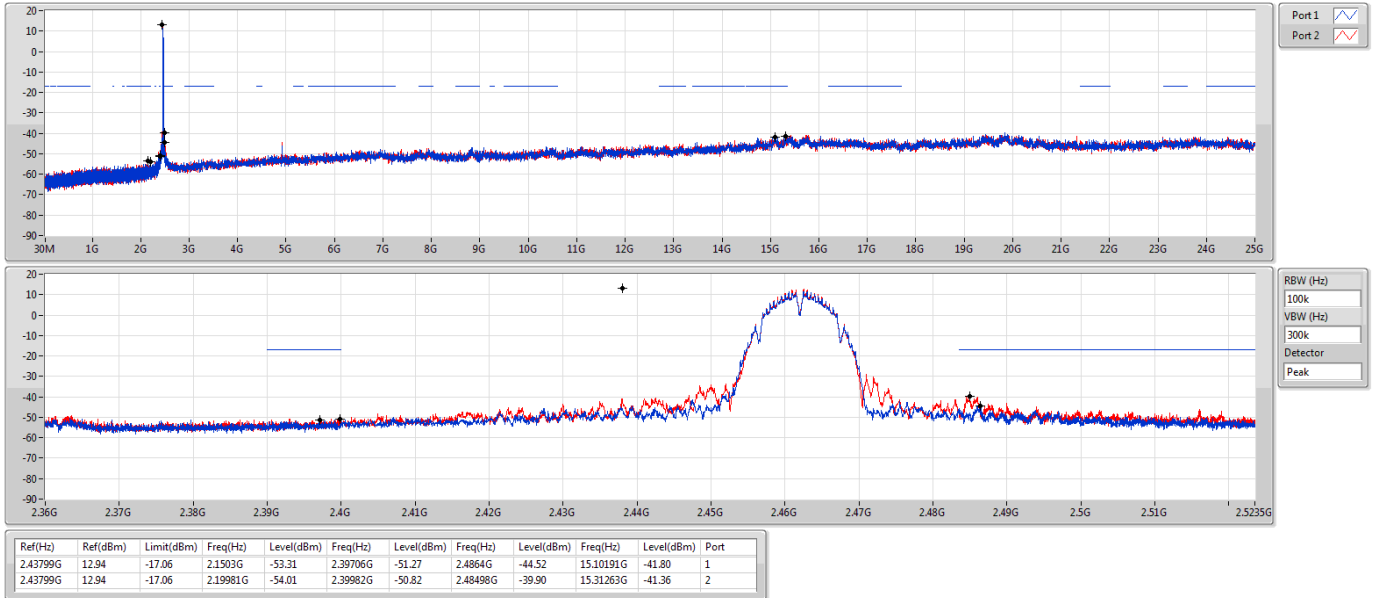
CSE NdB



802.11b_Nss1,(1Mbps)_2TX

CSE NdB

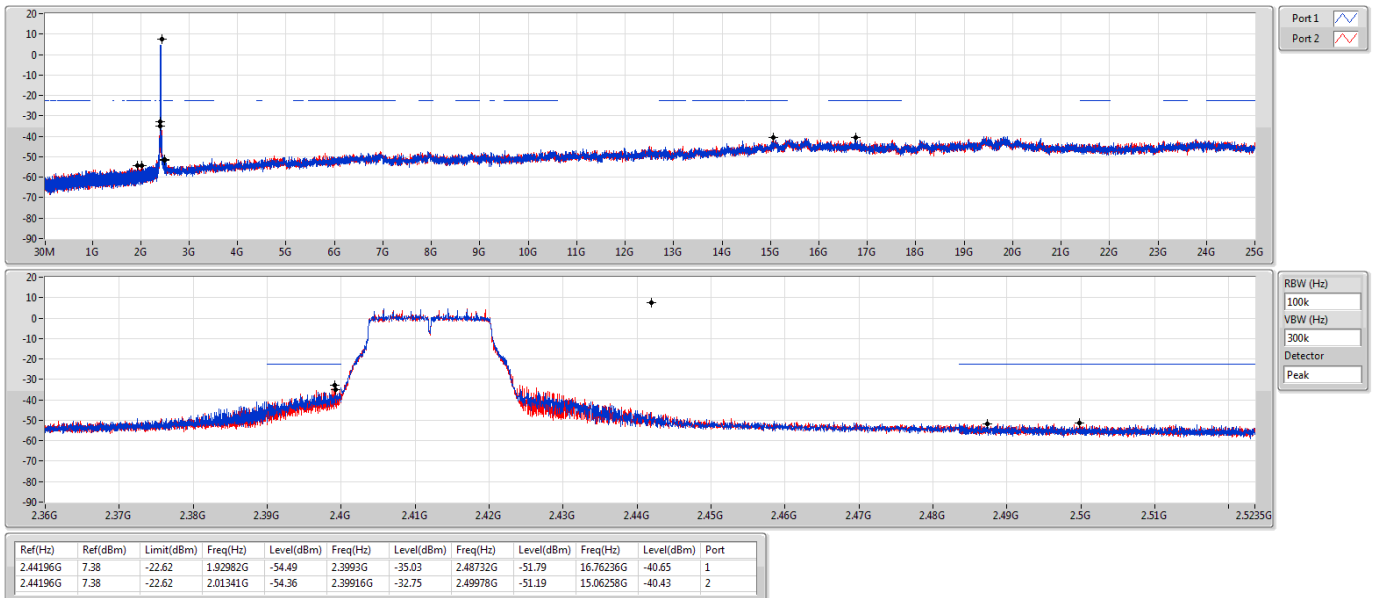
2462MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

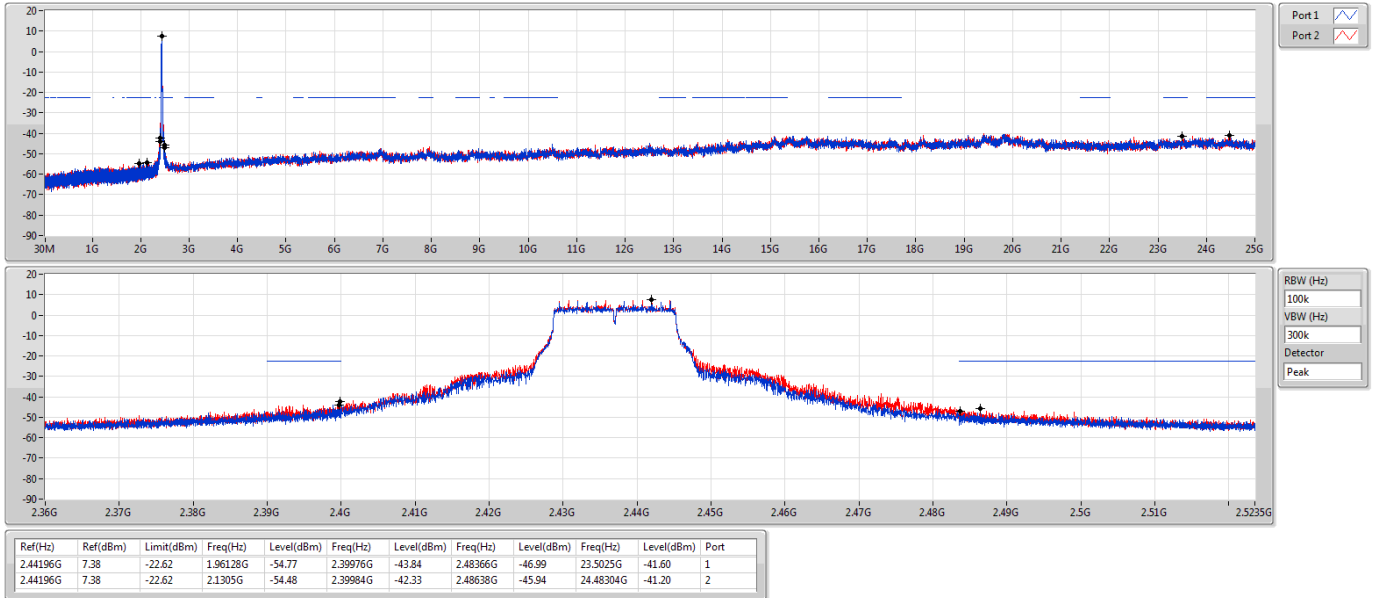
2412MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

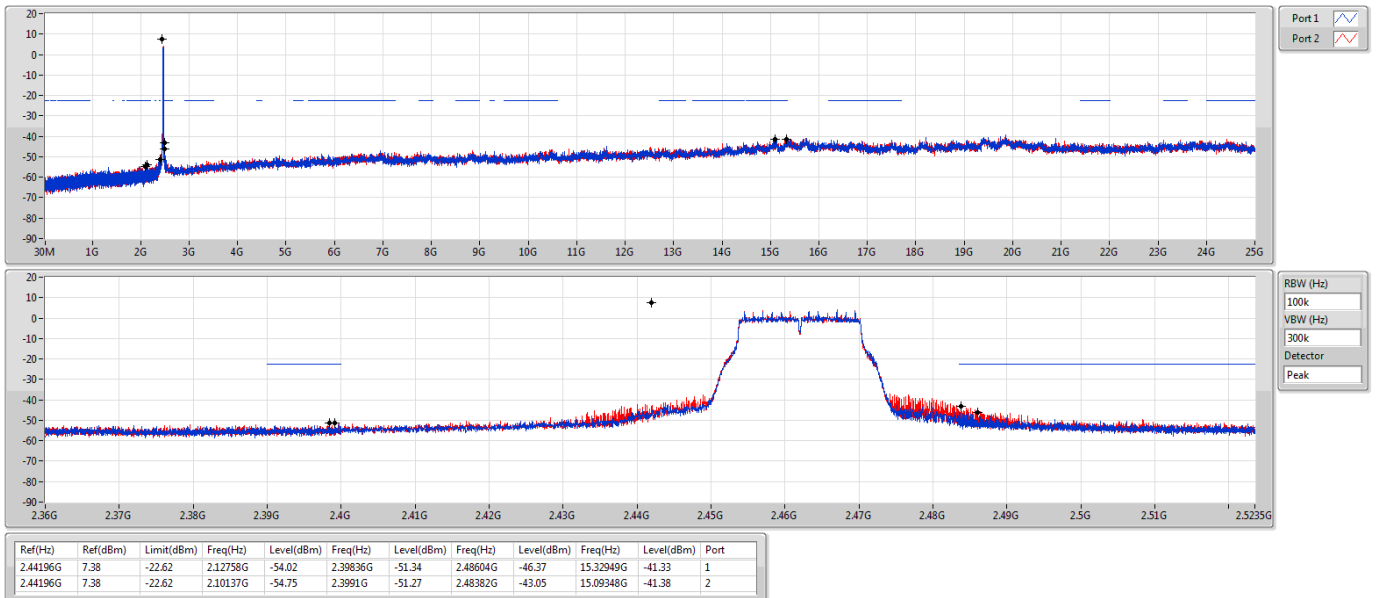
2437MHz



802.11g_Nss1,(6Mbps)_2TX

CSE NdB

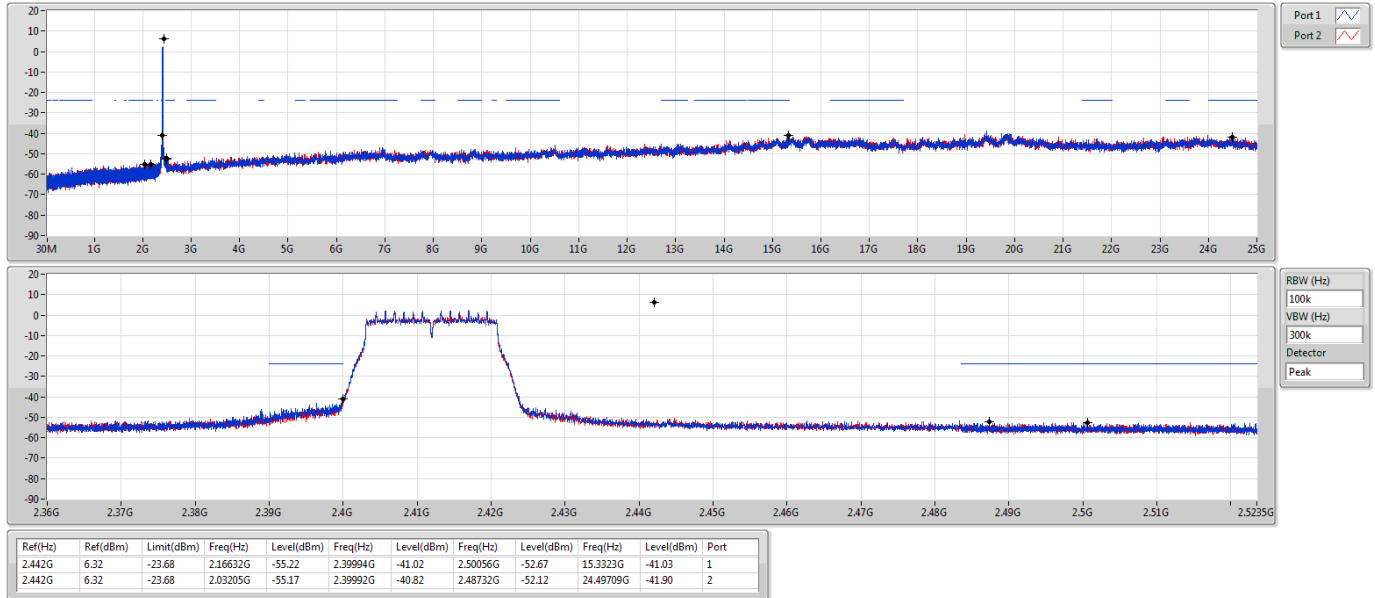
2462MHz



VHT20_Nss2,(MCS0)_2TX

CSE NdB

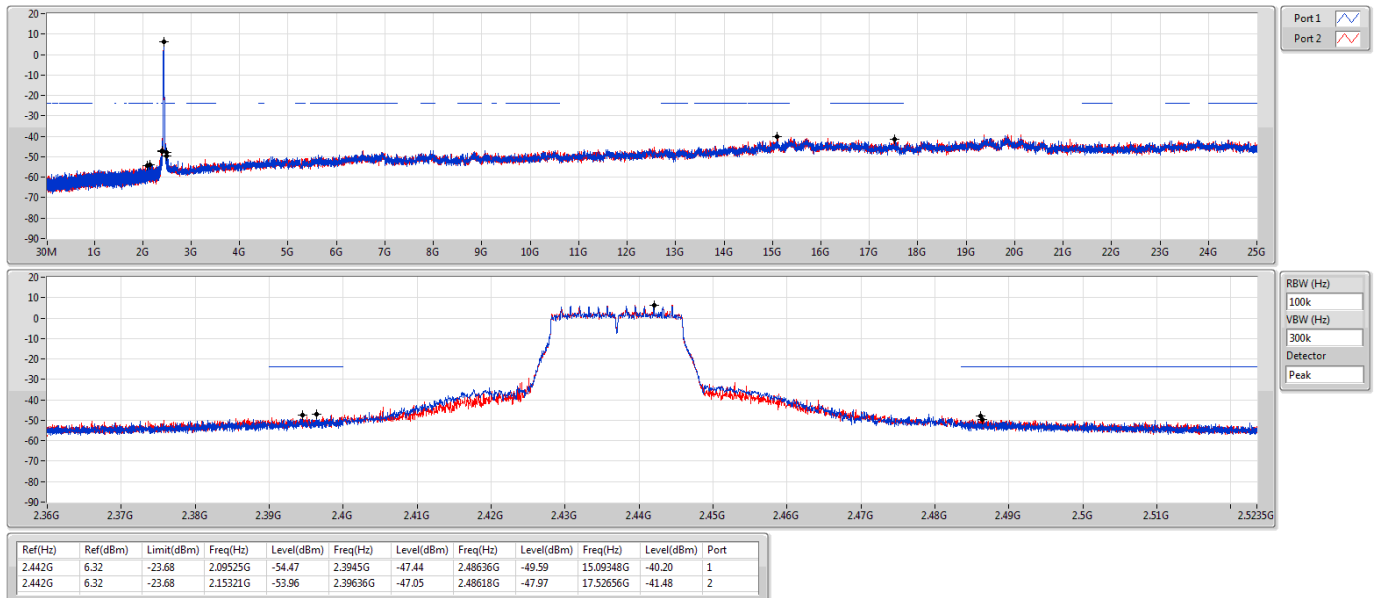
2412MHz



VHT20_Nss2,(MCS0)_2TX

CSE NdB

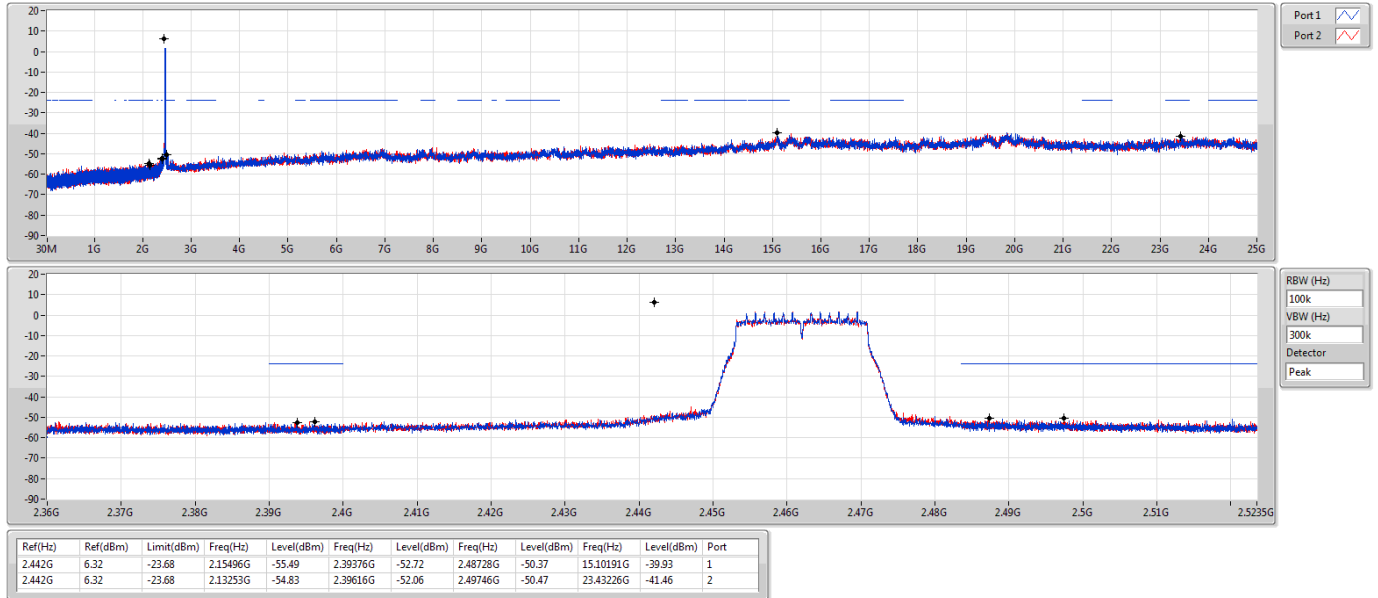
2437MHz



VHT20_Nss2,(MCS0)_2TX

CSE NdB

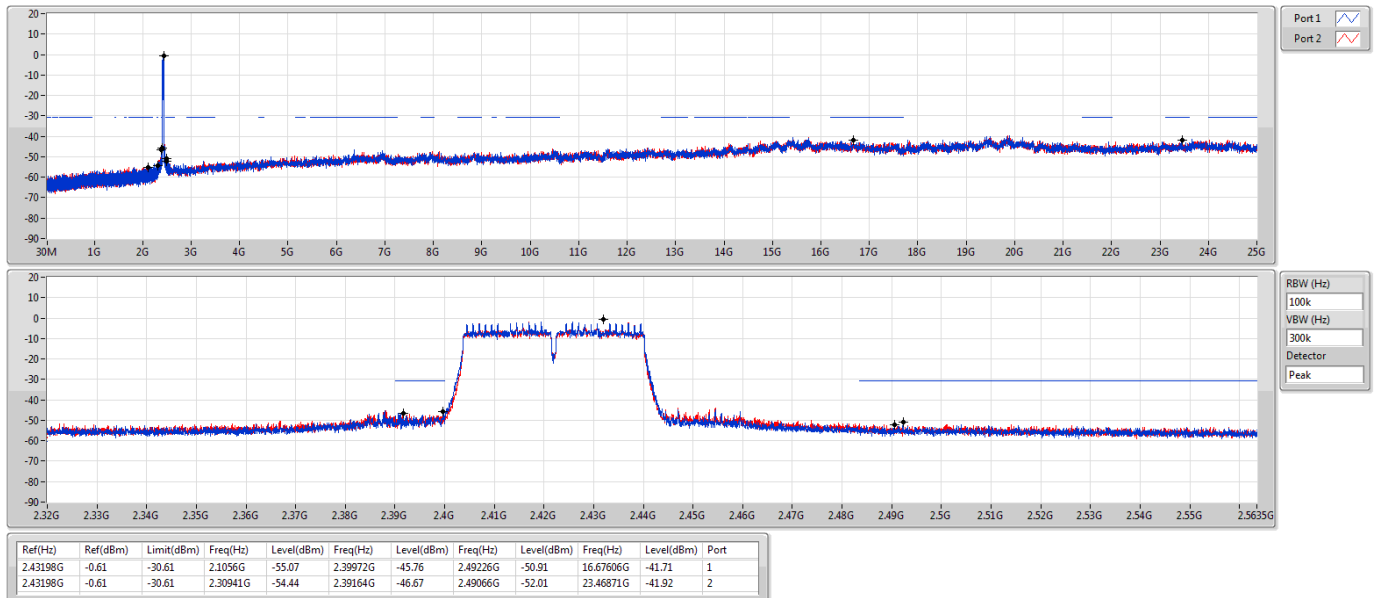
2462MHz



VHT40_Nss2,(MCS0)_2TX

CSE NdB

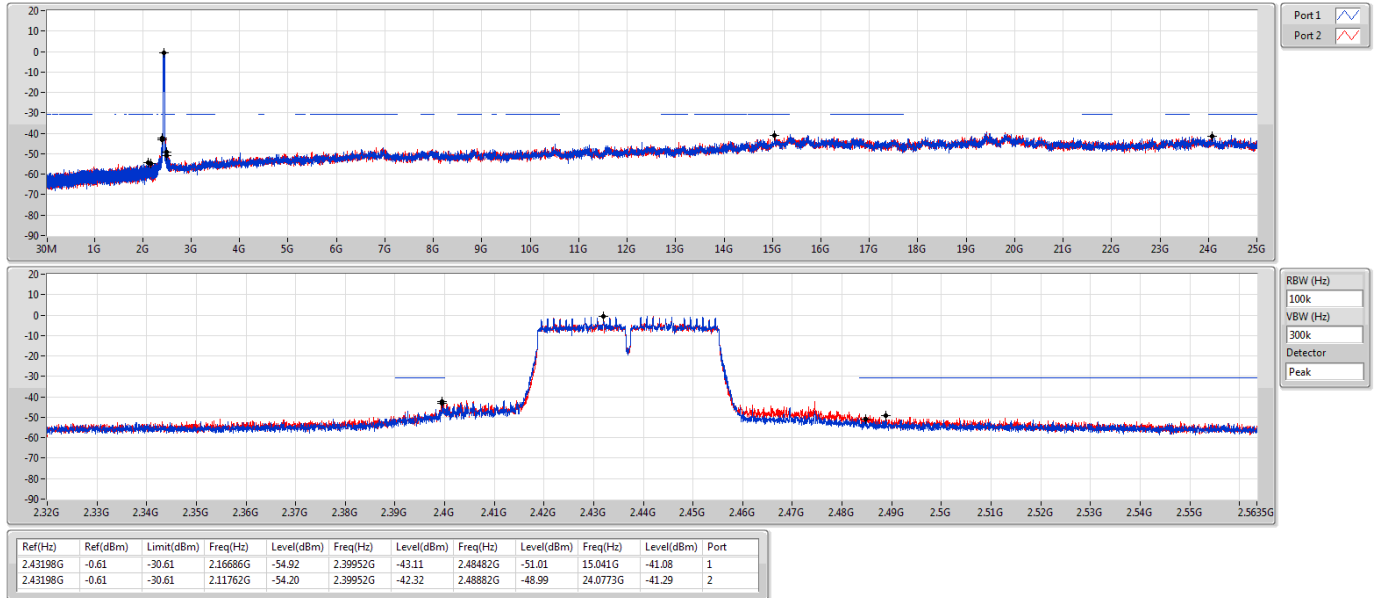
2422MHz



VHT40_Nss2,(MCS0)_2TX

CSE NdB

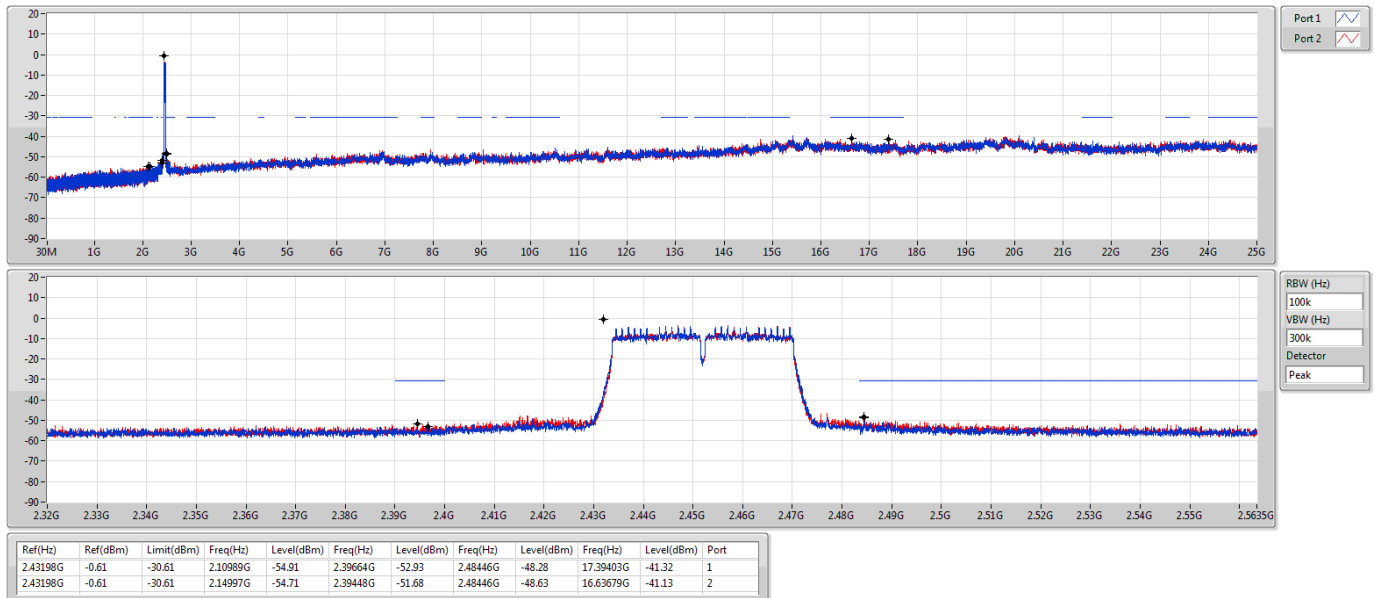
2437MHz



VHT40_Nss2,(MCS0)_2TX

CSE NdB

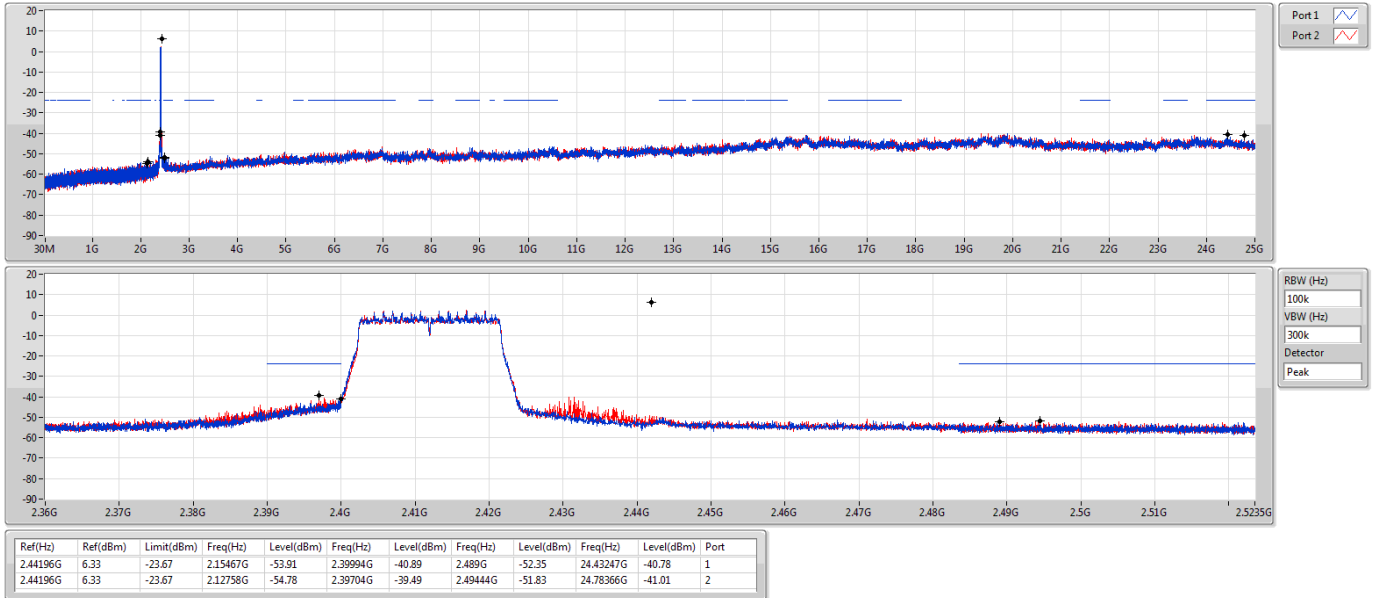
2452MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

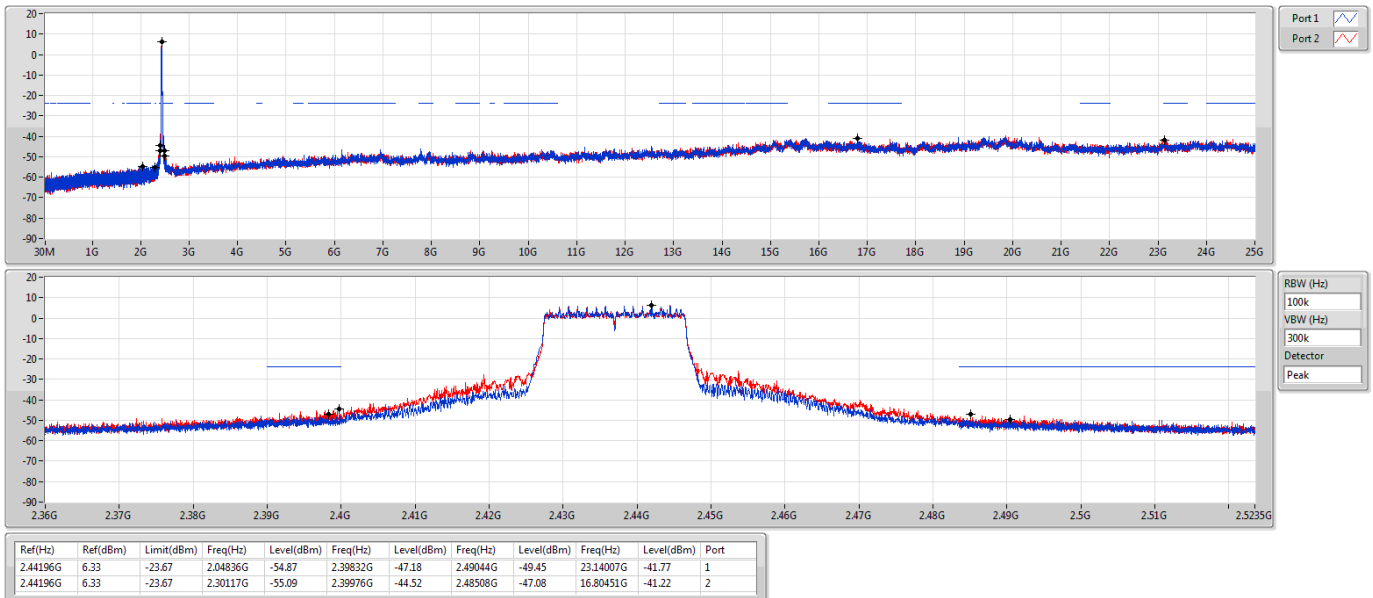
2412MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

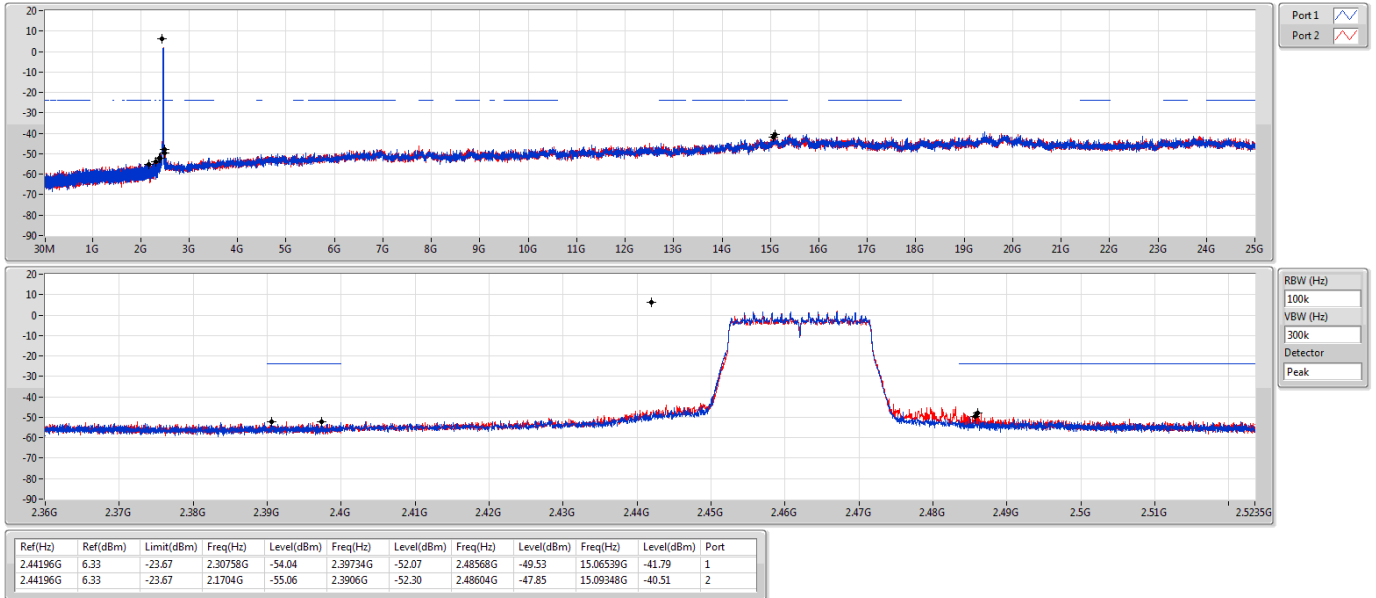
2437MHz



802.11ax HEW20_Nss2,(MCS0)_2TX

CSE NdB

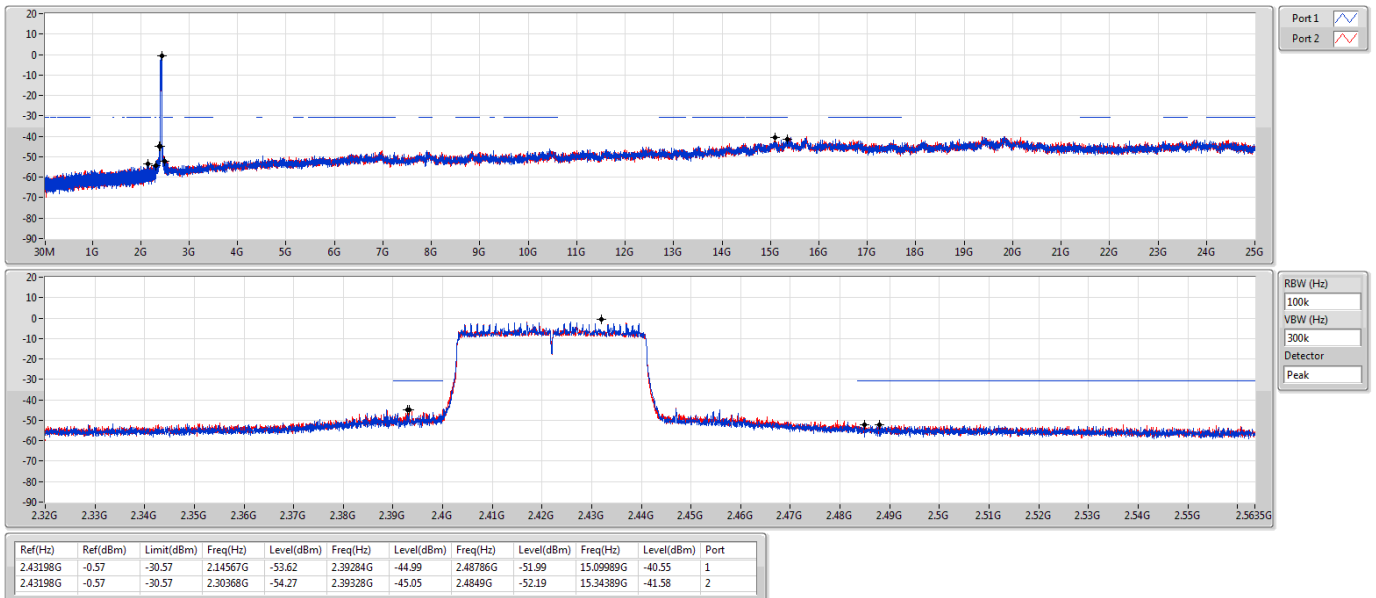
2462MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

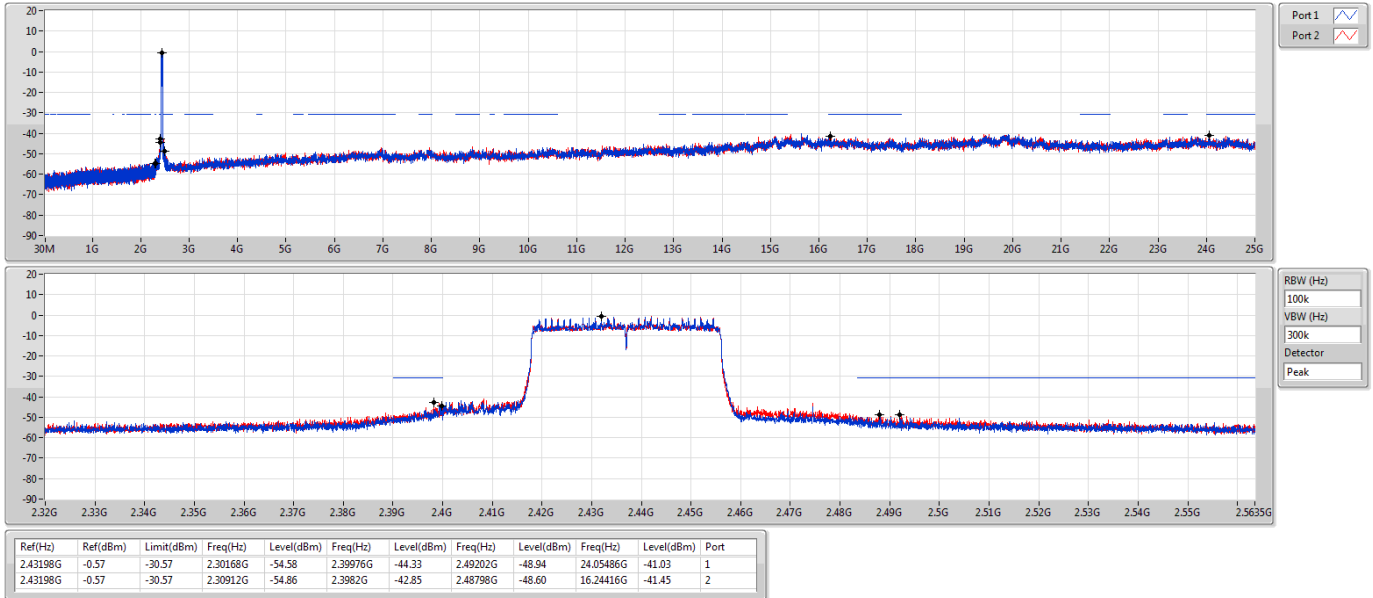
2422MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

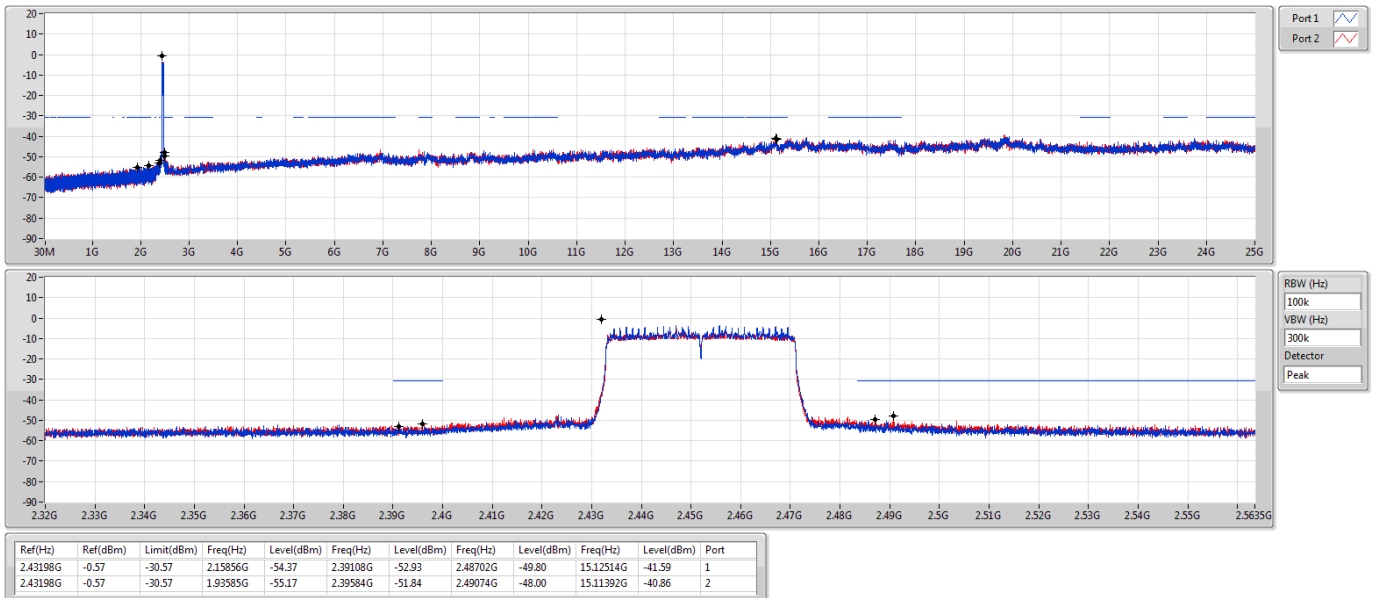
2437MHz



802.11ax HEW40_Nss2,(MCS0)_2TX

CSE NdB

2452MHz





CSE(Non-restricted Band) _Beamforming_Sample 1_Radio 1 Appendix E.17

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.43749G	16.32	-13.68	2.30991G	-54.21	2.39948G	-31.19	2.49094G	-50.45	23.49126G	-49.13	1
VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.42902G	9.95	-20.05	2.3097G	-54.81	2.397G	-35.51	2.48478G	-49.45	24.84294G	-49.39	1
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43803G	15.82	-14.18	2.30612G	-53.93	2.39828G	-28.88	2.51146G	-51.66	16.58536G	-48.36	1
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.43048G	9.90	-20.10	2.30712G	-54.57	2.39928G	-33.27	2.49334G	-49.33	23.44347G	-49.42	1

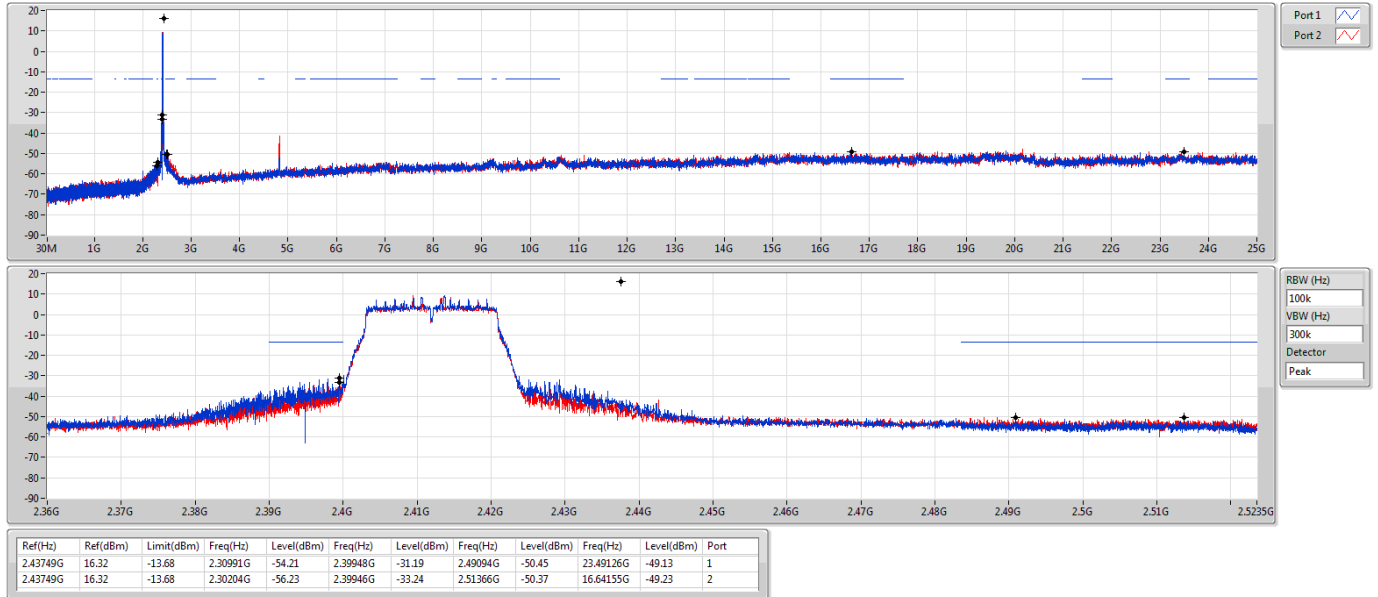
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43749G	16.32	-13.68	2.30991G	-54.21	2.39948G	-31.19	2.49094G	-50.45	23.49126G	-49.13	1
2412MHz	Pass	2.43749G	16.32	-13.68	2.30204G	-56.23	2.39946G	-33.24	2.51366G	-50.37	16.64155G	-49.23	2
2437MHz	Pass	2.43749G	16.32	-13.68	2.30787G	-52.84	2.39892G	-34.13	2.4843G	-41.92	23.44912G	-49.72	1
2437MHz	Pass	2.43749G	16.32	-13.68	2.30408G	-54.71	2.39888G	-35.40	2.48382G	-43.22	23.59803G	-49.68	2
2462MHz	Pass	2.43749G	16.32	-13.68	2.30845G	-56.62	2.39846G	-52.60	2.4848G	-45.21	23.42384G	-48.92	1
2462MHz	Pass	2.43749G	16.32	-13.68	2.30233G	-57.61	2.39228G	-53.02	2.48388G	-44.94	15.30139G	-48.96	2
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42902G	9.95	-20.05	2.3097G	-54.81	2.397G	-35.51	2.48478G	-49.45	24.84294G	-49.39	1
2422MHz	Pass	2.42902G	9.95	-20.05	2.30569G	-55.77	2.39608G	-39.91	2.51386G	-49.29	14.68201G	-49.32	2
2437MHz	Pass	2.42902G	9.95	-20.05	2.30254G	-54.99	2.39788G	-41.40	2.48734G	-43.86	23.48273G	-49.24	1
2437MHz	Pass	2.42902G	9.95	-20.05	2.30998G	-57.05	2.39856G	-38.37	2.4875G	-44.33	16.25537G	-48.84	2
2452MHz	Pass	2.42902G	9.95	-20.05	2.30597G	-56.31	2.39948G	-42.09	2.48886G	-39.51	16.31988G	-49.37	1
2452MHz	Pass	2.42902G	9.95	-20.05	2.30741G	-57.60	2.3978G	-47.87	2.48358G	-42.21	23.4631G	-48.63	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43803G	15.82	-14.18	2.30612G	-53.93	2.39828G	-28.88	2.51146G	-51.66	16.58536G	-48.36	1
2412MHz	Pass	2.43803G	15.82	-14.18	2.3067G	-55.44	2.39778G	-33.85	2.51126G	-50.49	16.84384G	-49.53	2
2437MHz	Pass	2.43803G	15.82	-14.18	2.30495G	-54.59	2.39996G	-33.88	2.48672G	-38.66	17.08827G	-48.84	1
2437MHz	Pass	2.43803G	15.82	-14.18	2.30932G	-51.87	2.39746G	-35.39	2.48664G	-40.52	2.53193G	-48.05	2
2462MHz	Pass	2.43803G	15.82	-14.18	2.30787G	-56.46	2.39702G	-52.55	2.48366G	-44.40	23.45474G	-49.32	1
2462MHz	Pass	2.43803G	15.82	-14.18	2.30903G	-57.84	2.3961G	-52.92	2.48442G	-44.26	24.37909G	-49.23	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43048G	9.90	-20.10	2.30712G	-54.57	2.39928G	-33.27	2.49334G	-49.33	23.44347G	-49.42	1
2422MHz	Pass	2.43048G	9.90	-20.10	2.3054G	-54.87	2.39788G	-38.24	2.48354G	-49.58	14.72689G	-48.94	2
2437MHz	Pass	2.43048G	9.90	-20.10	2.30426G	-54.51	2.39576G	-35.97	2.48666G	-41.22	15.3495G	-49.16	1
2437MHz	Pass	2.43048G	9.90	-20.10	2.30884G	-55.00	2.39924G	-38.67	2.4865G	-43.03	16.22172G	-49.34	2
2452MHz	Pass	2.43048G	9.90	-20.10	2.30168G	-53.93	2.39552G	-43.36	2.48794G	-35.26	16.47974G	-49.65	1
2452MHz	Pass	2.43048G	9.90	-20.10	2.30626G	-57.58	2.39948G	-44.24	2.48546G	-39.31	16.29744G	-49.30	2

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz

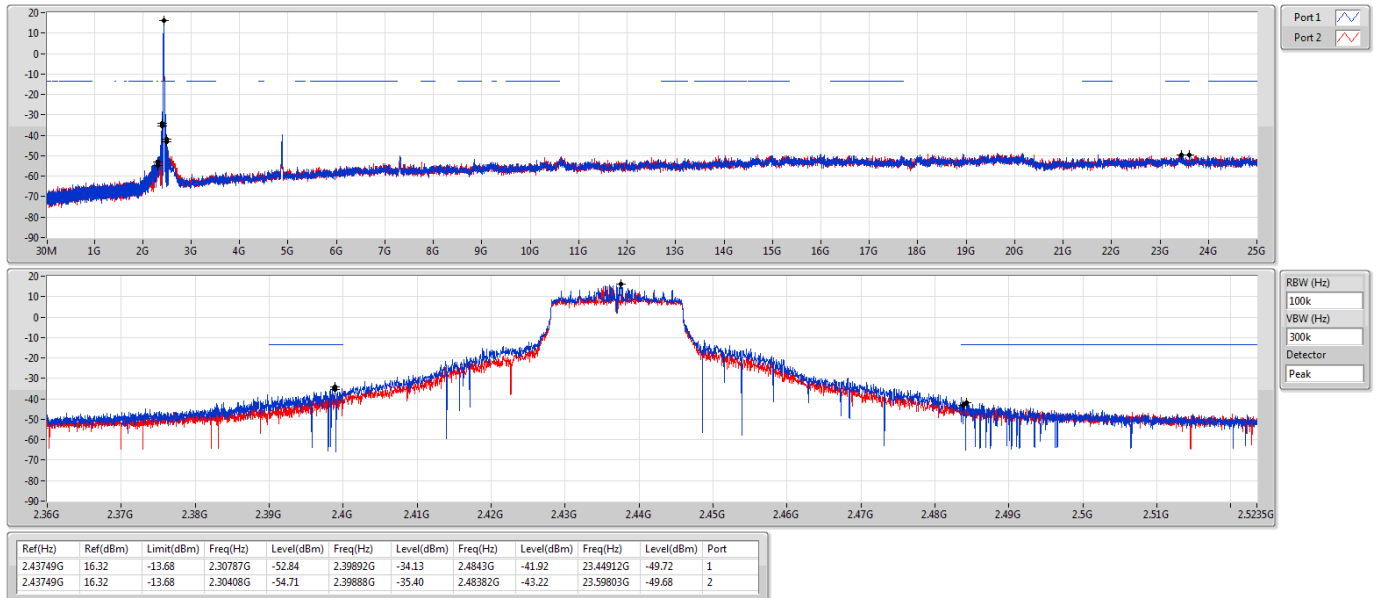
CSE NdB



VHT20-BF_Nss1,(MCS0)_2TX

2437MHz

CSE NdB

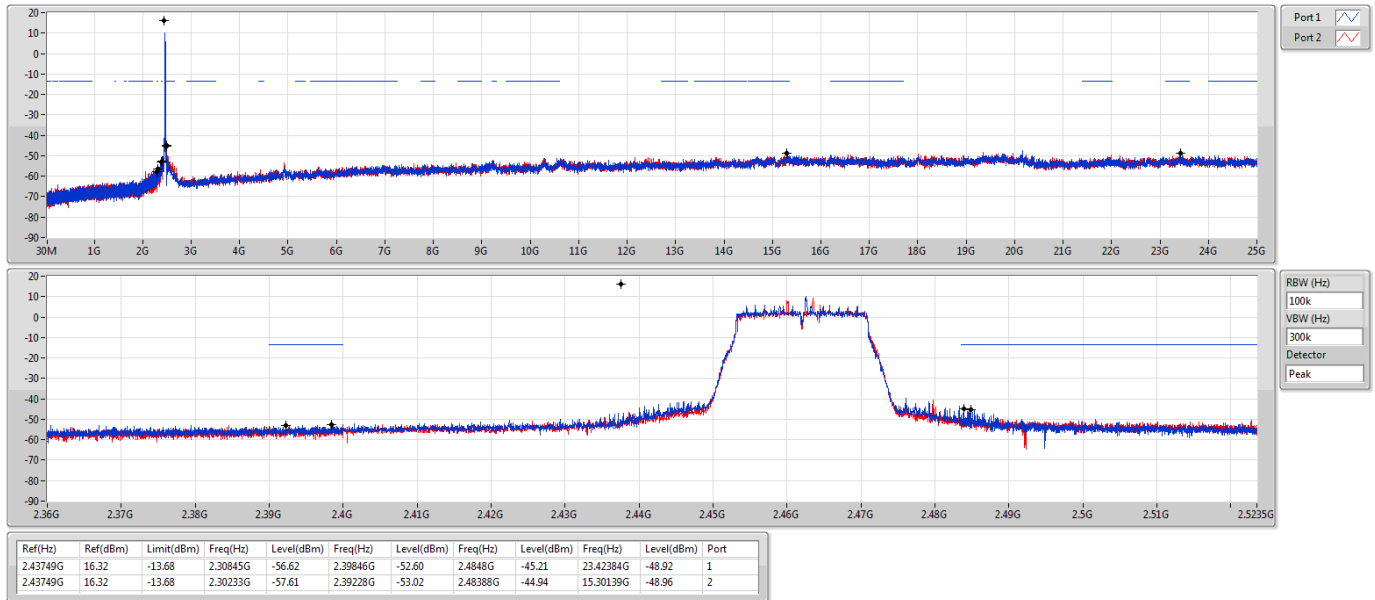


VHT20-BF_Nss1,(MCS0)_2TX

2462MHz

CSE NdB

04/10/2019



VHT40-BF_Nss1,(MCS0)_2TX

2422MHz

CSE NdB

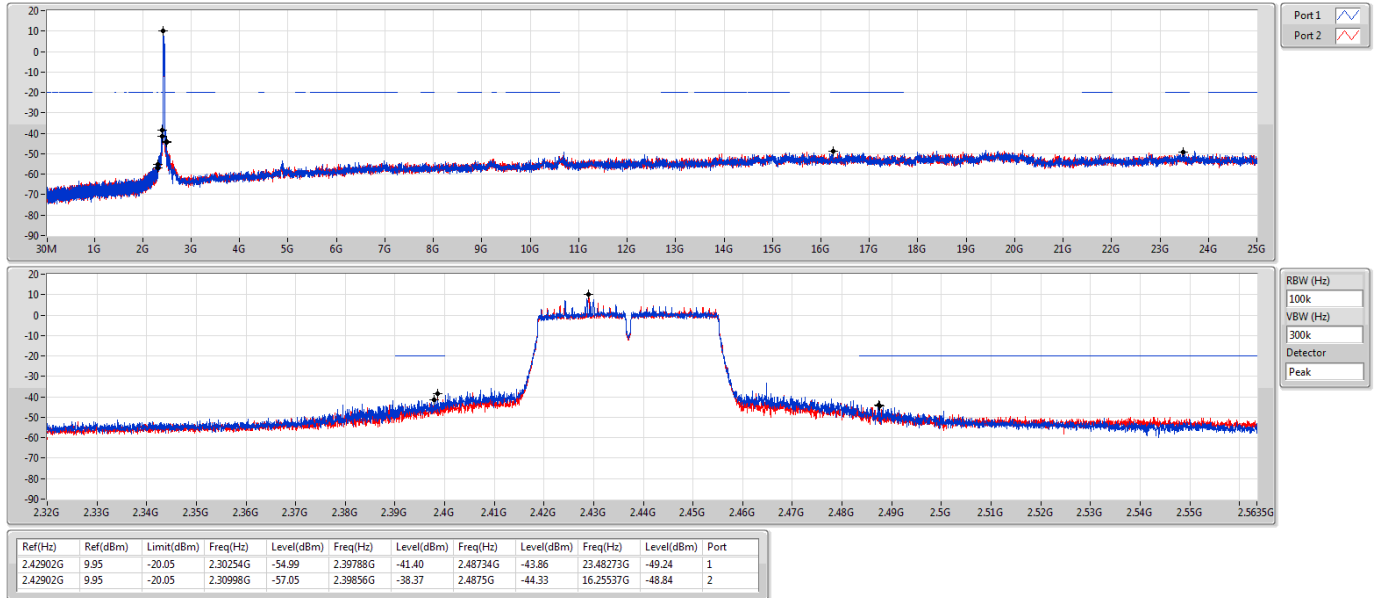
04/10/2019



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

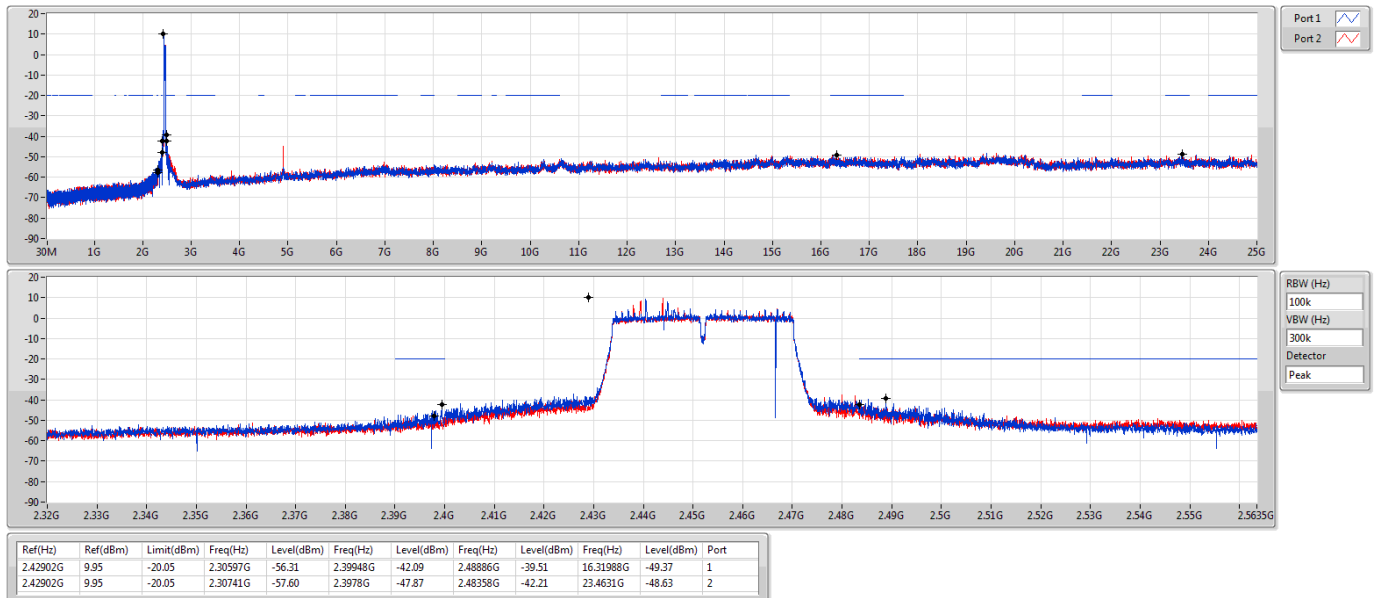
2437MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

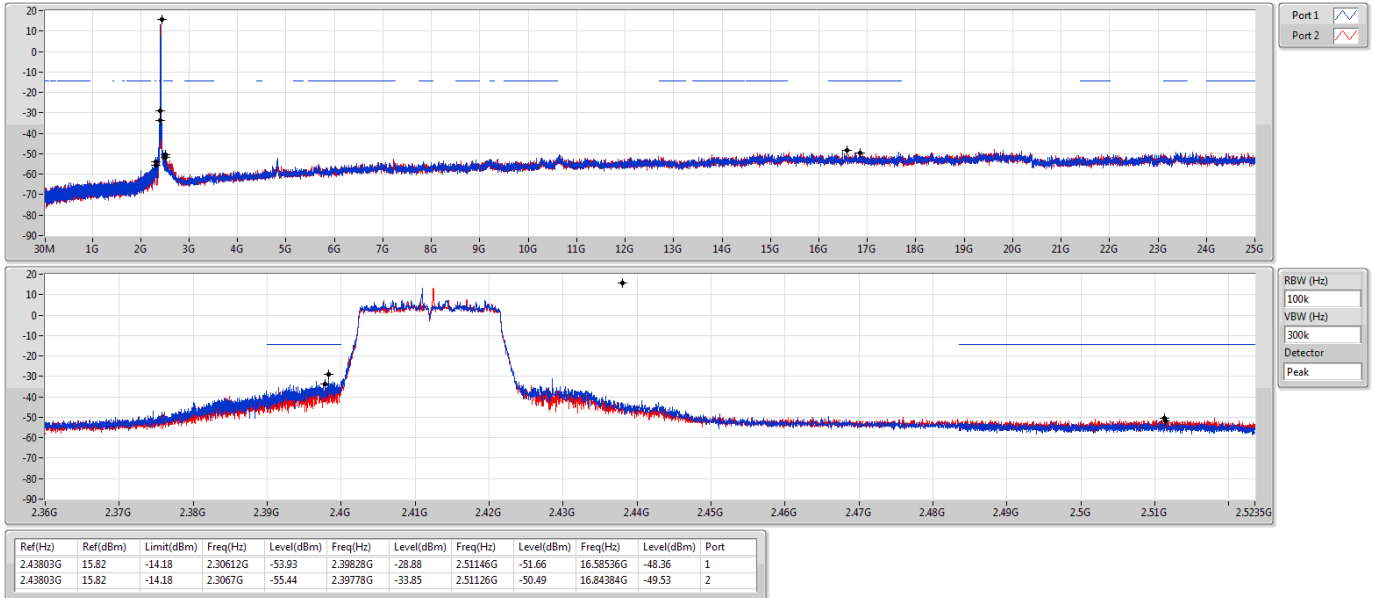
2452MHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

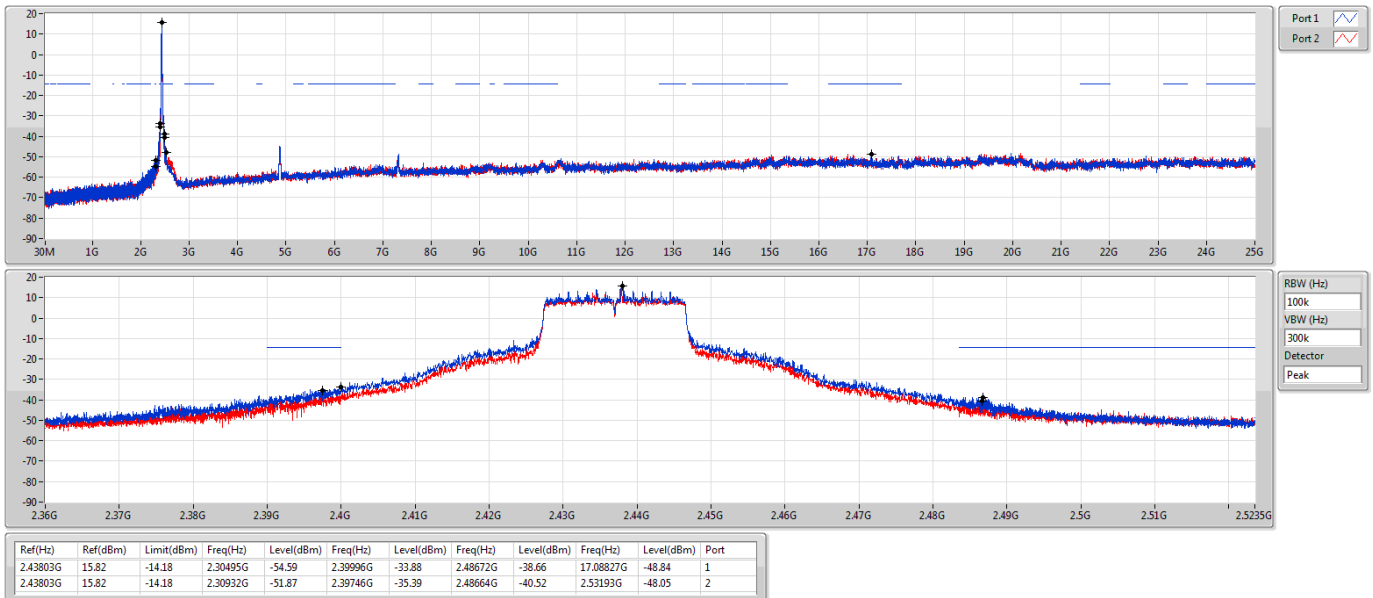
2412MHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

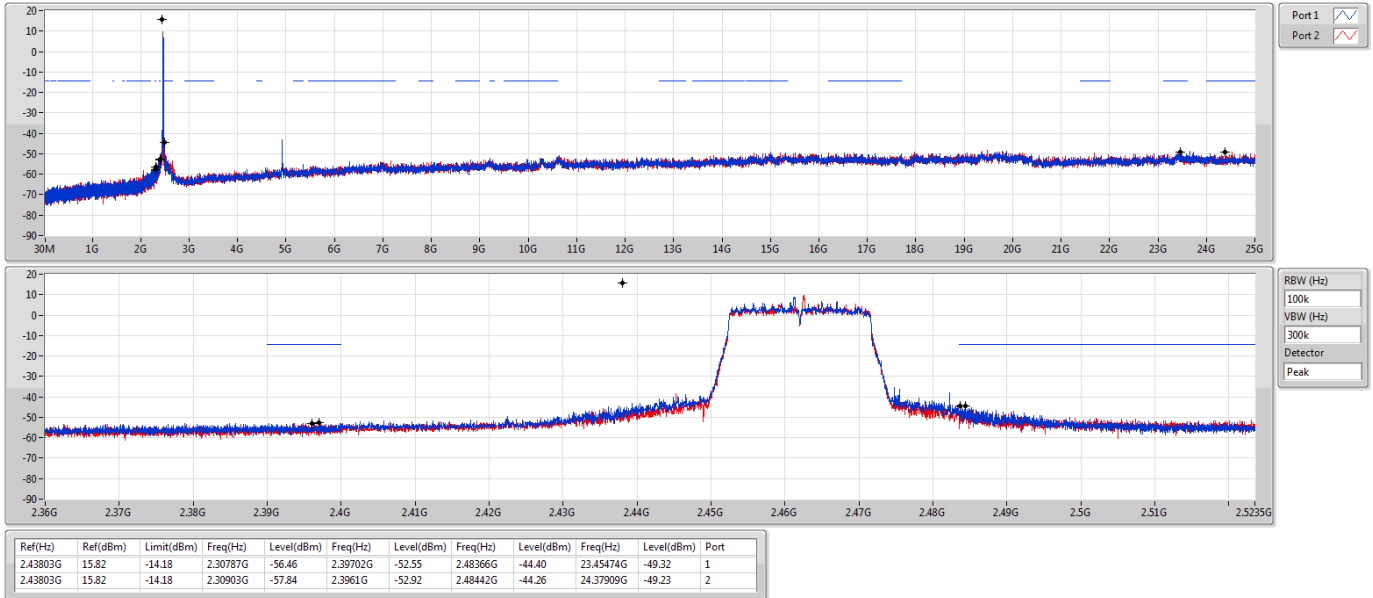
2437MHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

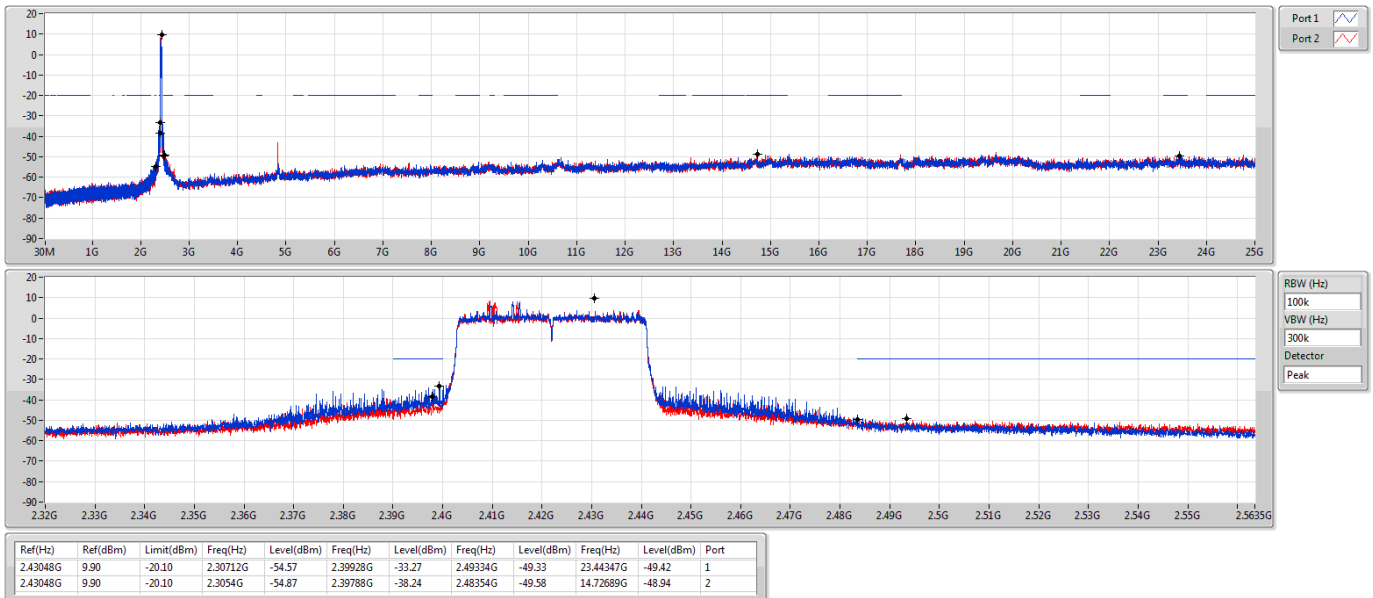
2462MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

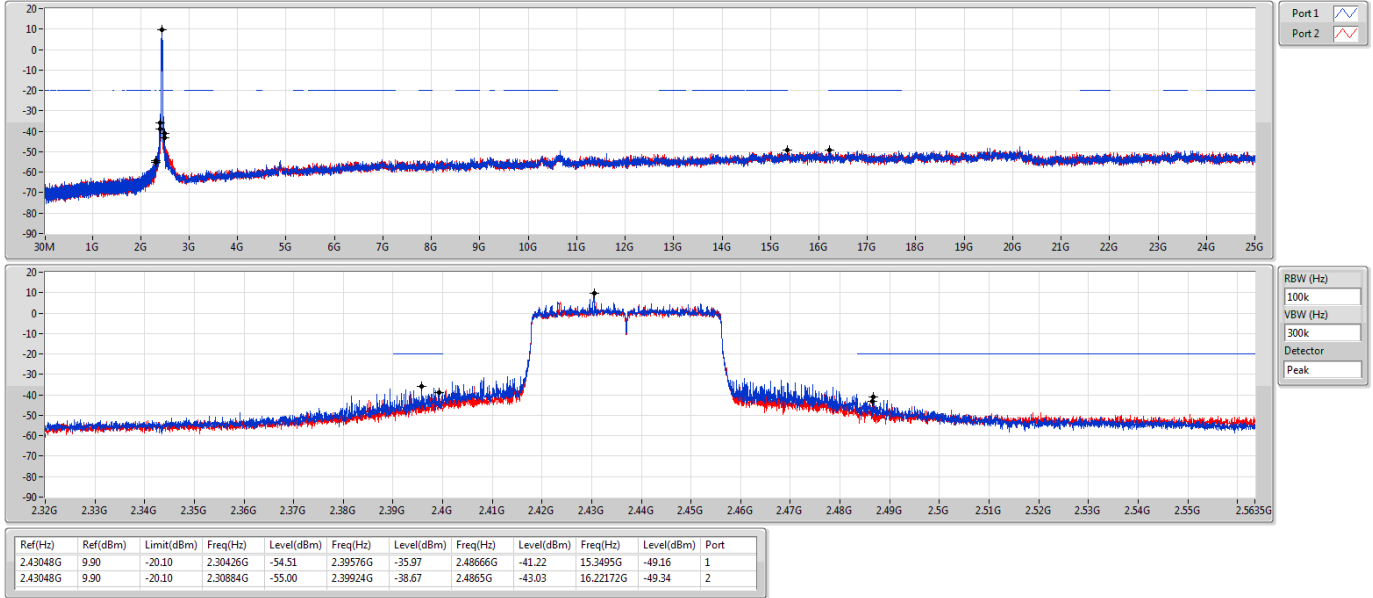
2422MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

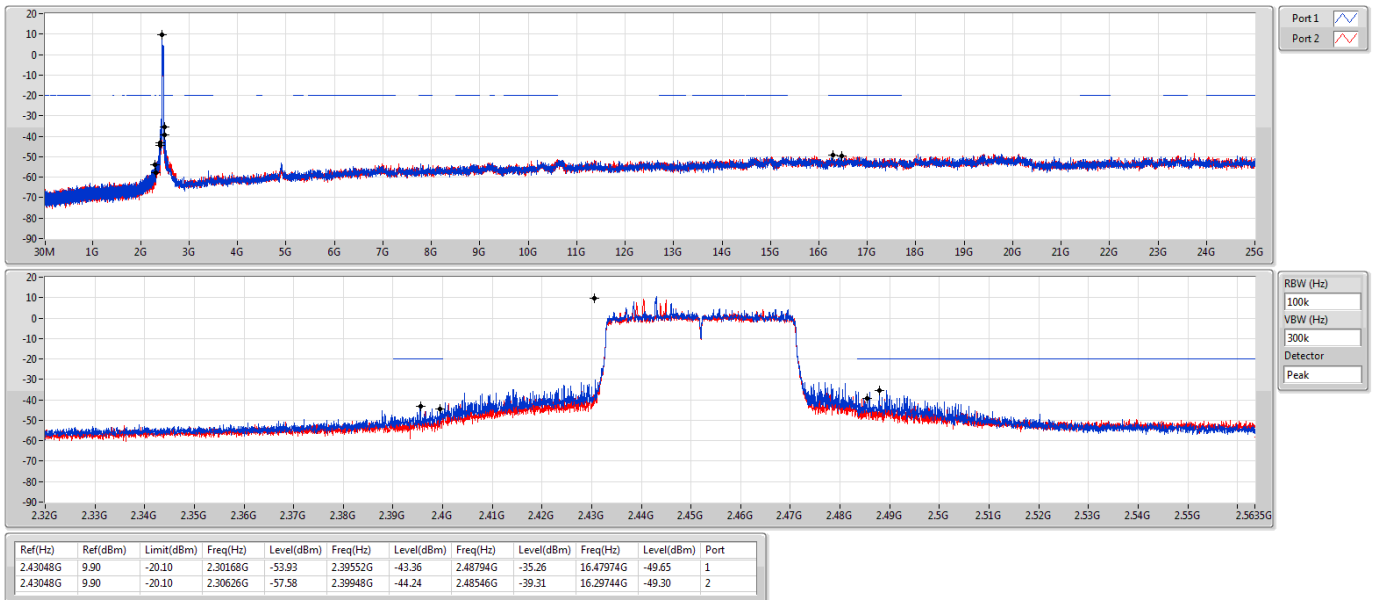
2437MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

2452MHz





CSE(Non-restricted Band)_Beamforming_Sample 1_Radio 3 Appendix E.18

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.43899G	26.04	-3.96	2.30612G	-58.54	2.39988G	-28.55	2.49316G	-53.97	23.40698G	-48.89	1
VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.42601G	7.22	-22.78	2.30025G	-57.02	2.3998G	-39.34	2.48478G	-50.52	16.70971G	-47.84	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43745G	11.22	-18.78	2.3067G	-58.26	2.3993G	-28.68	2.48812G	-54.61	14.96143G	-49.07	1
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.42897G	5.90	-24.10	2.30025G	-56.17	2.39948G	-32.64	2.48574G	-49.13	16.73215G	-48.74	1

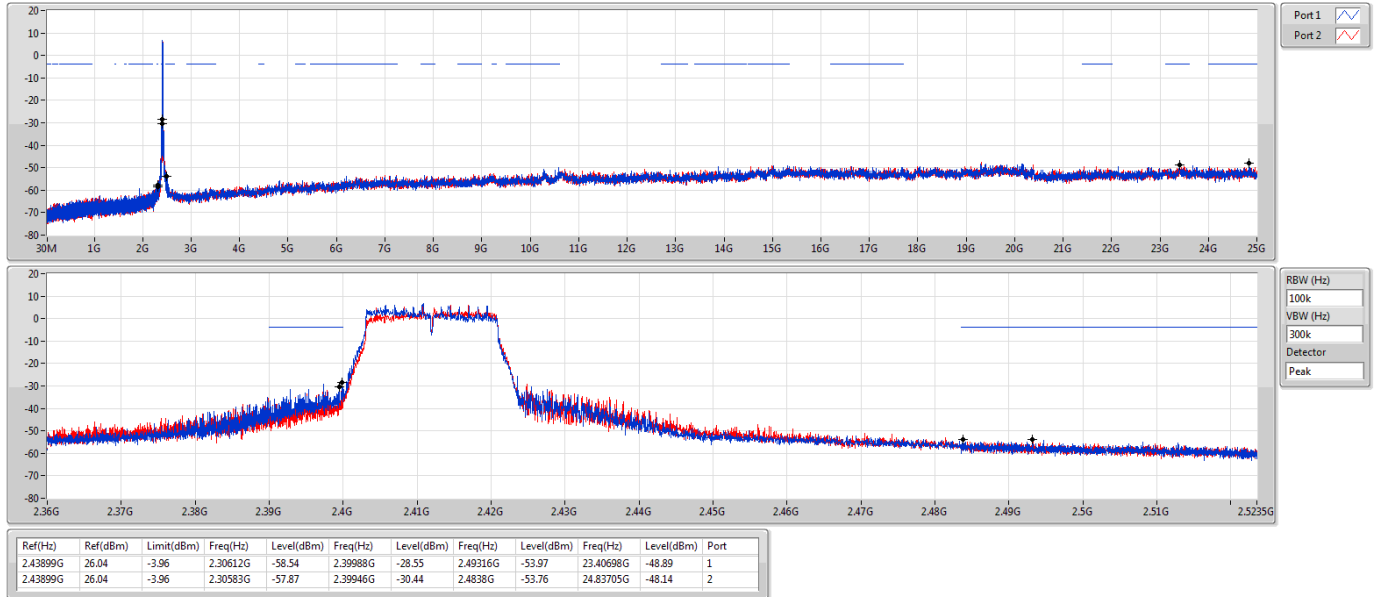
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43899G	26.04	-3.96	2.30612G	-58.54	2.39988G	-28.55	2.49316G	-53.97	23.40698G	-48.89	1
2412MHz	Pass	2.43899G	26.04	-3.96	2.30583G	-57.87	2.39946G	-30.44	2.4838G	-53.76	24.83705G	-48.14	2
2437MHz	Pass	2.43899G	26.04	-3.96	2.30321G	-58.74	2.3995G	-40.21	2.48444G	-42.29	16.58536G	-49.02	1
2437MHz	Pass	2.43899G	26.04	-3.96	2.30175G	-58.08	2.39946G	-39.64	2.48732G	-45.09	14.77319G	-48.96	2
2462MHz	Pass	2.43899G	26.04	-3.96	1.96973G	-57.94	2.39942G	-54.08	2.48508G	-38.55	14.94739G	-48.46	1
2462MHz	Pass	2.43899G	26.04	-3.96	2.30146G	-59.00	2.39142G	-54.55	2.48474G	-44.17	15.2452G	-48.60	2
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42601G	7.22	-22.78	2.30855G	-56.41	2.39672G	-40.91	2.48798G	-50.64	16.33671G	-48.83	1
2422MHz	Pass	2.42601G	7.22	-22.78	2.30025G	-57.02	2.3998G	-39.34	2.48478G	-50.52	16.70971G	-47.84	2
2437MHz	Pass	2.42601G	7.22	-22.78	32.29M	-57.74	2.39952G	-40.30	2.48438G	-47.51	23.42945G	-47.73	1
2437MHz	Pass	2.42601G	7.22	-22.78	2.30941G	-58.71	2.39956G	-43.06	2.4845G	-46.36	15.29621G	-48.42	2
2452MHz	Pass	2.42601G	7.22	-22.78	1.63472G	-59.04	2.39984G	-51.12	2.48446G	-43.02	16.67325G	-48.71	1
2452MHz	Pass	2.42601G	7.22	-22.78	2.30397G	-58.94	2.399G	-49.02	2.48942G	-42.45	23.40701G	-48.53	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43745G	11.22	-18.78	2.3067G	-58.26	2.3993G	-28.68	2.48812G	-54.61	14.96143G	-49.07	1
2412MHz	Pass	2.43745G	11.22	-18.78	2.30874G	-58.13	2.39666G	-30.23	2.48718G	-54.14	16.61065G	-49.44	2
2437MHz	Pass	2.43745G	11.22	-18.78	2.30525G	-58.73	2.39814G	-39.08	2.48554G	-40.18	16.8607G	-48.59	1
2437MHz	Pass	2.43745G	11.22	-18.78	2.30641G	-59.09	2.39954G	-40.62	2.4843G	-40.90	16.69493G	-48.76	2
2462MHz	Pass	2.43745G	11.22	-18.78	1.96973G	-59.64	2.39276G	-54.41	2.48628G	-41.97	23.4435G	-49.07	1
2462MHz	Pass	2.43745G	11.22	-18.78	2.30175G	-60.57	2.3994G	-54.22	2.48566G	-41.80	23.42384G	-48.22	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42897G	5.90	-24.10	2.30025G	-56.17	2.39948G	-32.64	2.48574G	-49.13	16.73215G	-48.74	1
2422MHz	Pass	2.42897G	5.90	-24.10	2.30912G	-56.77	2.39724G	-39.85	2.4907G	-49.30	23.44627G	-49.50	2
2437MHz	Pass	2.42897G	5.90	-24.10	2.30111G	-58.09	2.39956G	-39.53	2.4847G	-39.74	16.32268G	-49.41	1
2437MHz	Pass	2.42897G	5.90	-24.10	2.30397G	-57.20	2.39924G	-38.55	2.48822G	-42.38	24.83453G	-49.19	2
2452MHz	Pass	2.42897G	5.90	-24.10	2.30454G	-58.40	2.3958G	-49.50	2.48594G	-41.69	15.21208G	-48.24	1
2452MHz	Pass	2.42897G	5.90	-24.10	2.30655G	-58.17	2.39848G	-47.02	2.49074G	-42.73	24.82892G	-48.80	2

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz

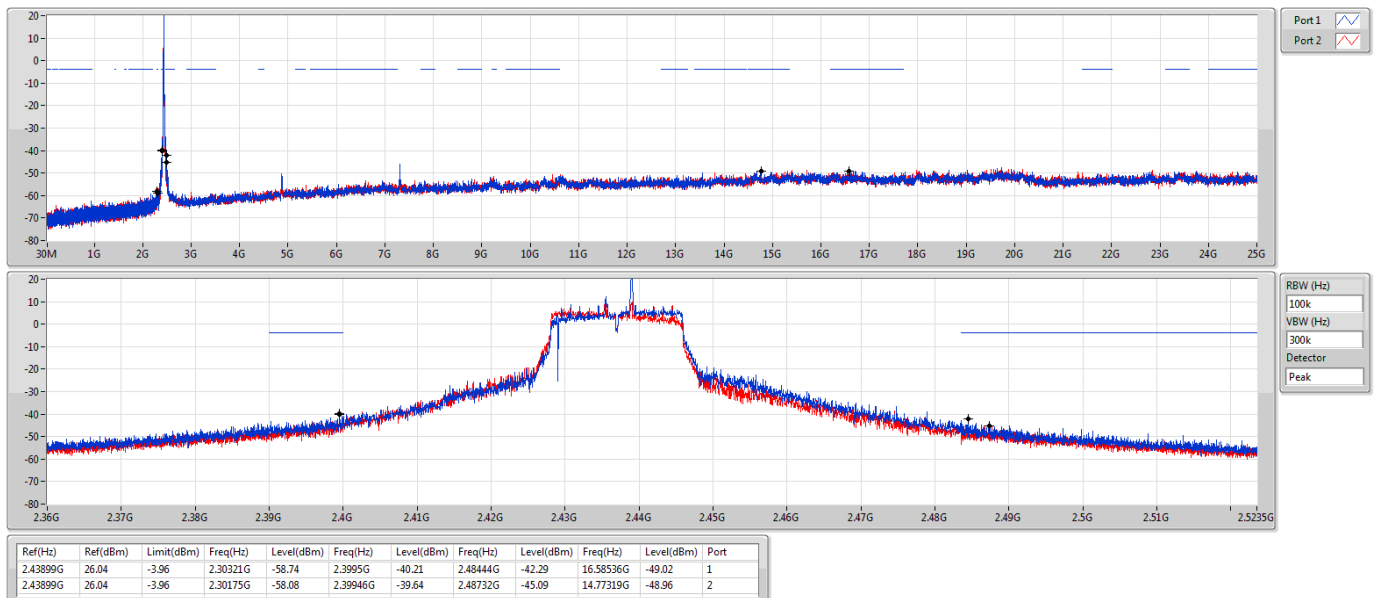
CSE NdB



VHT20-BF_Nss1,(MCS0)_2TX

2437MHz

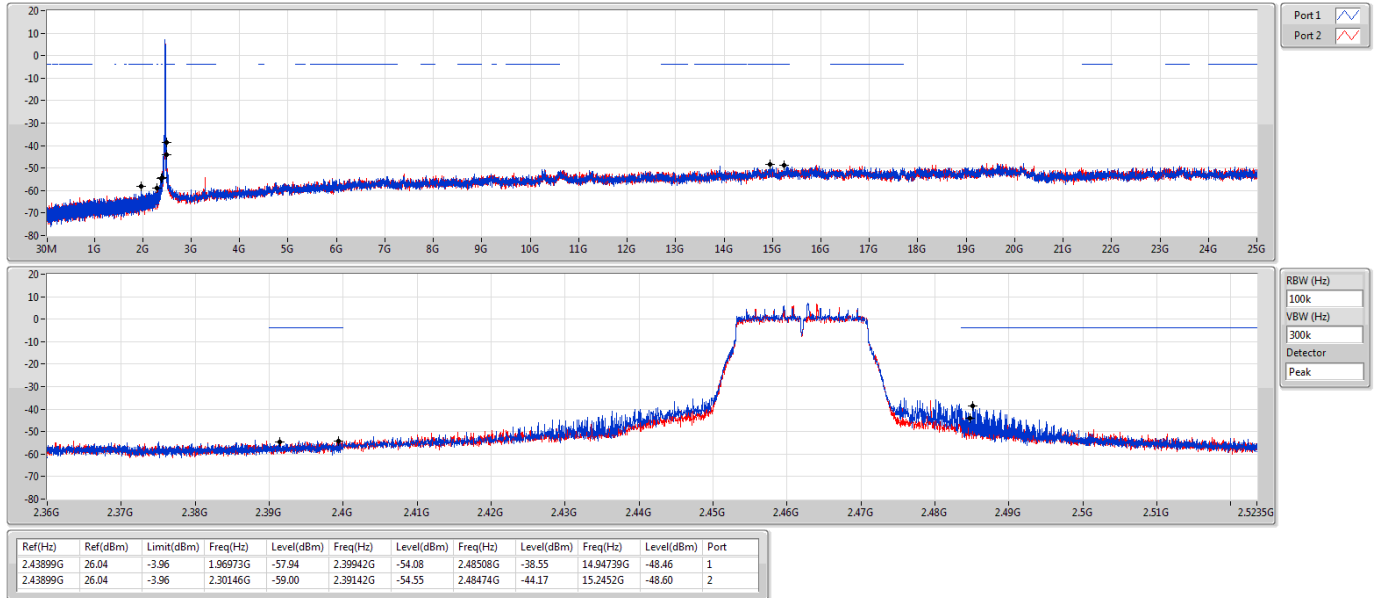
CSE NdB



VHT20-BF_Nss1,(MCS0)_2TX

CSE NdB

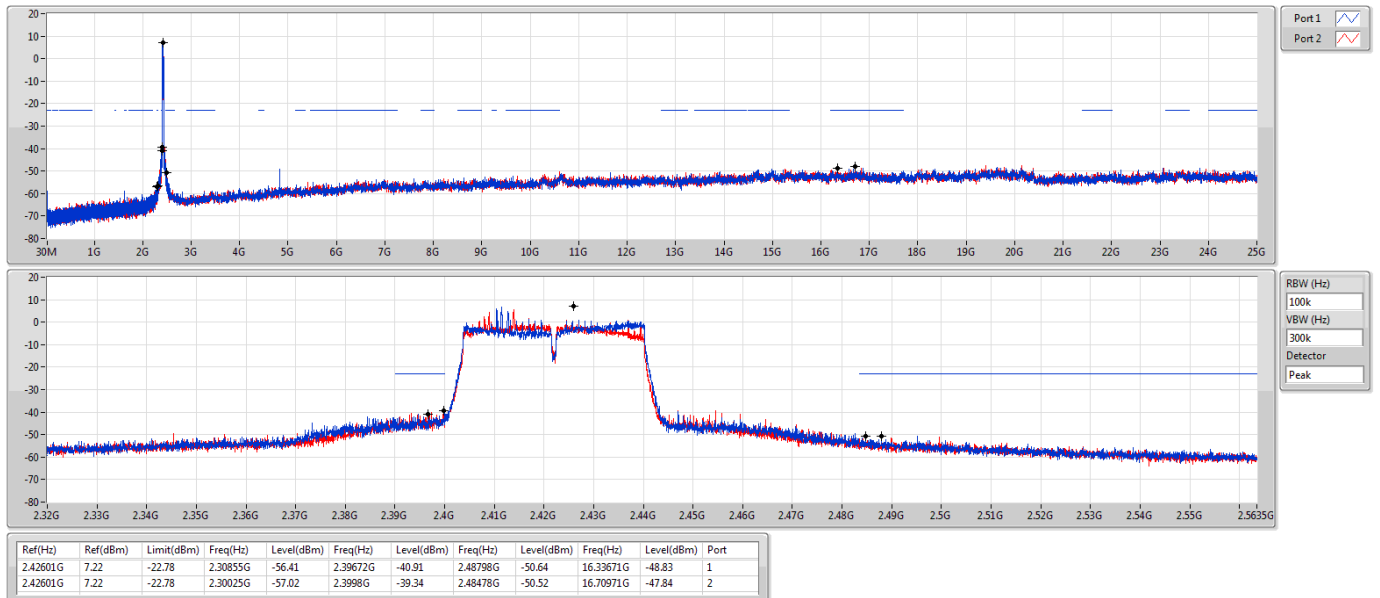
2462MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

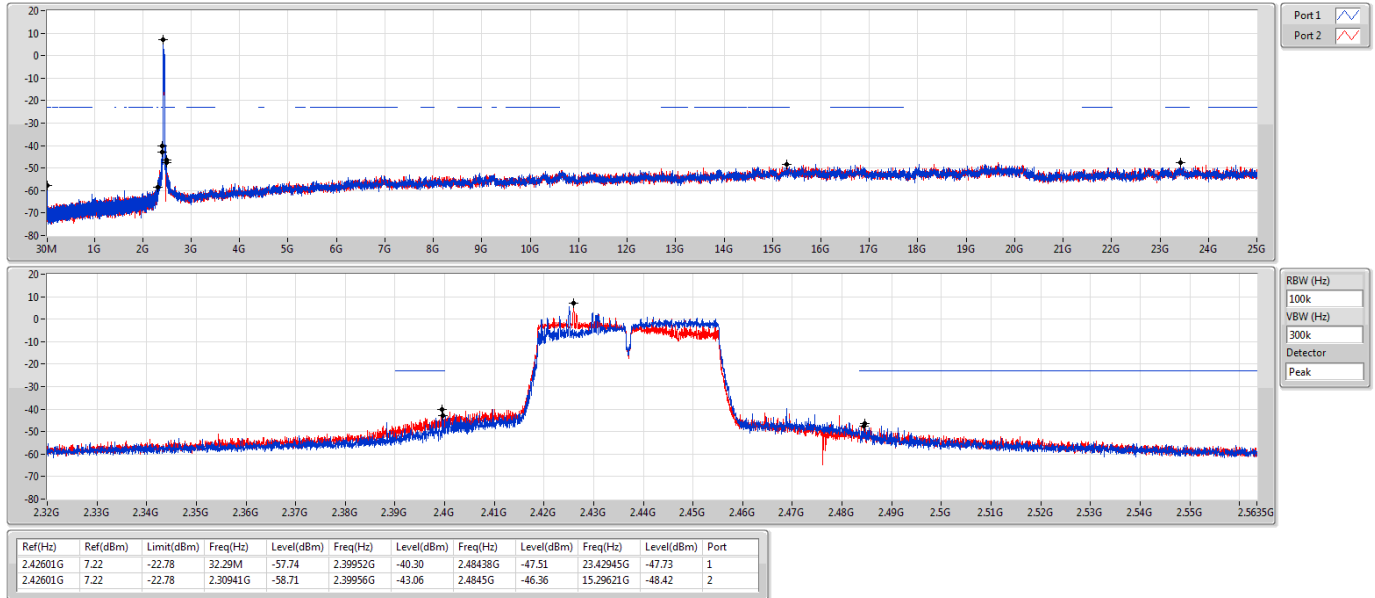
2422MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

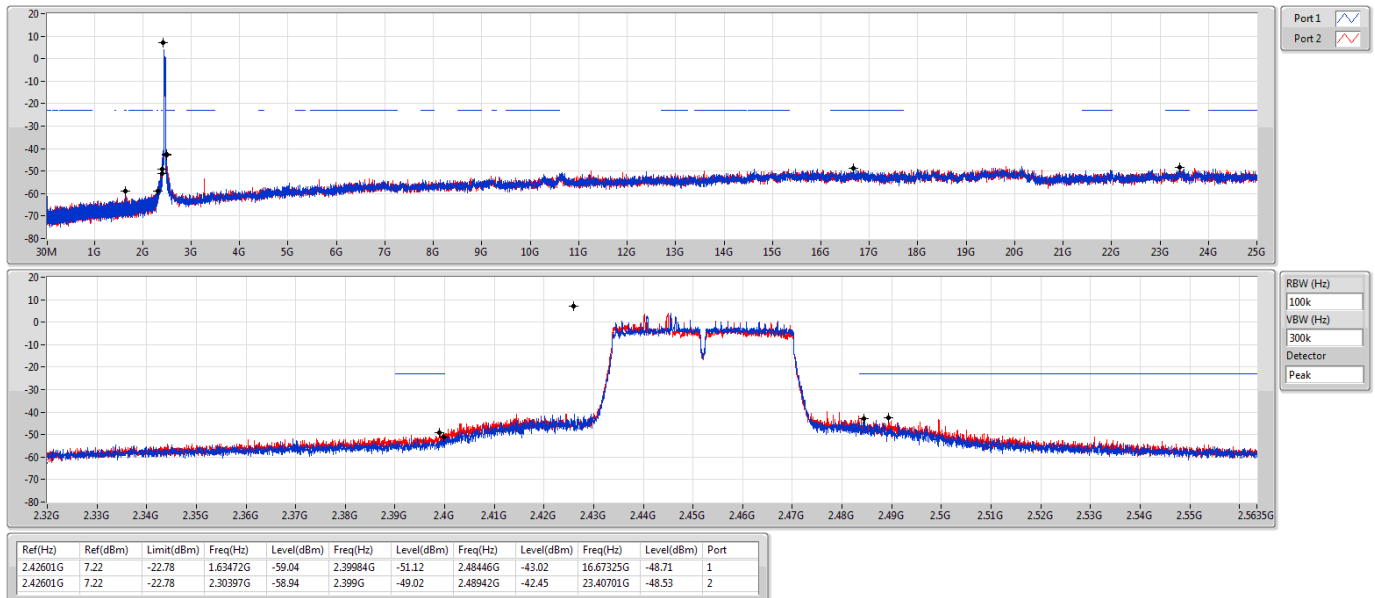
2437MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

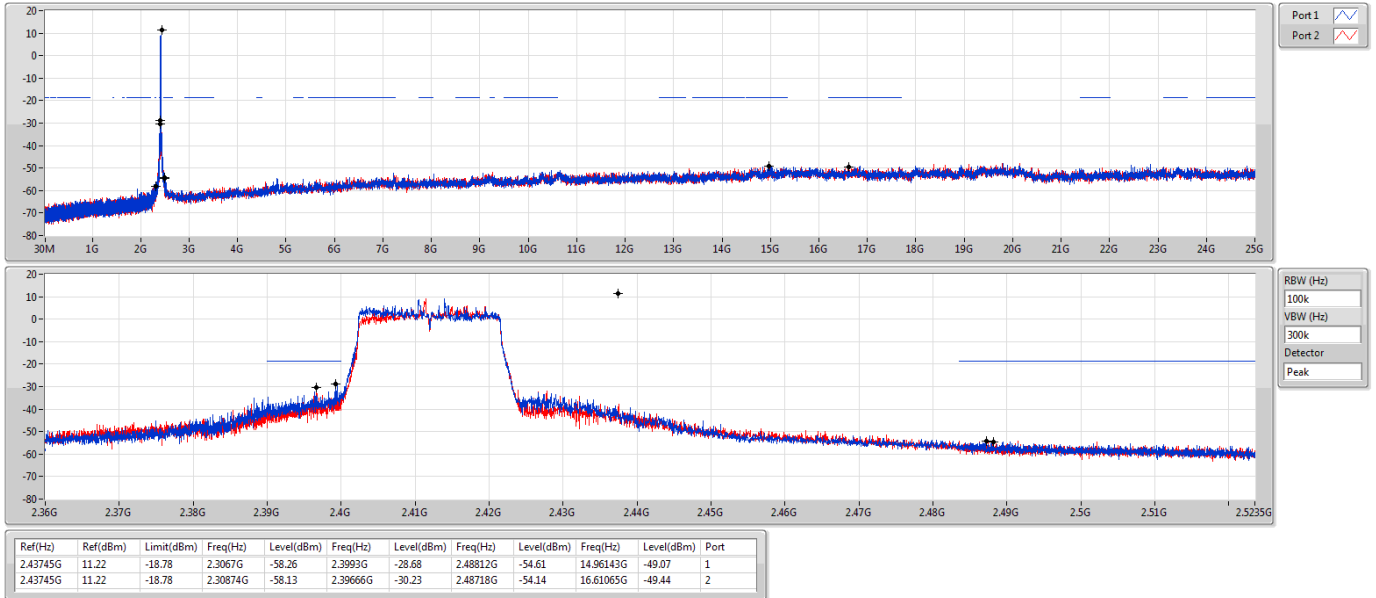
2452MHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

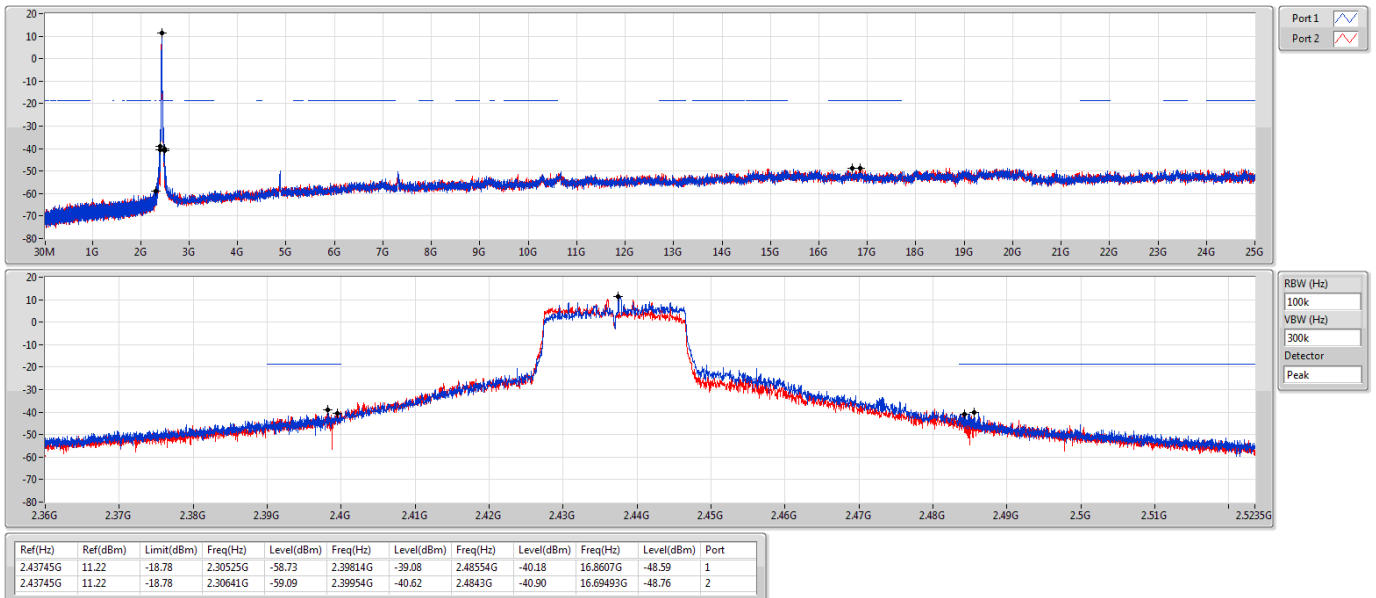
2412MHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

2437MHz

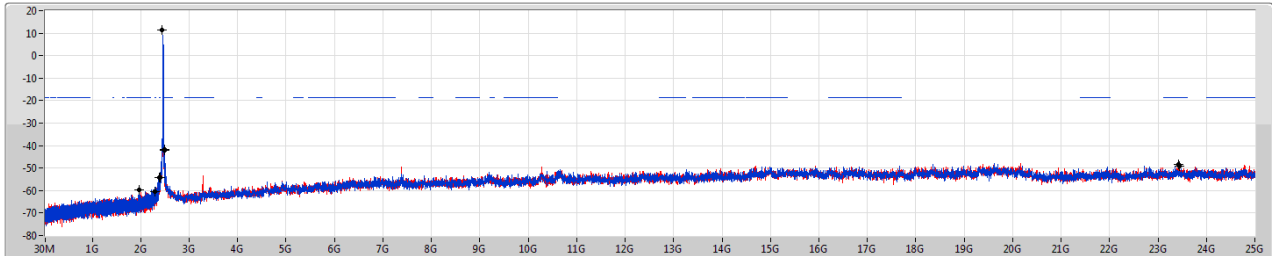


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

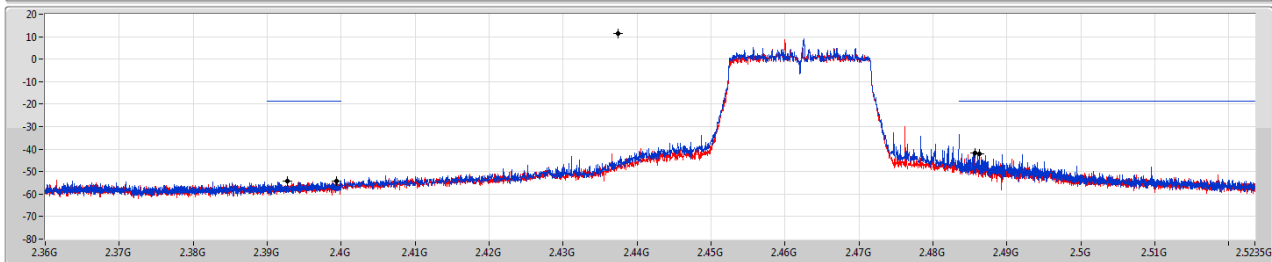
2462MHz

CSE NdB

08/10/2019



Port 1
Port 2



RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

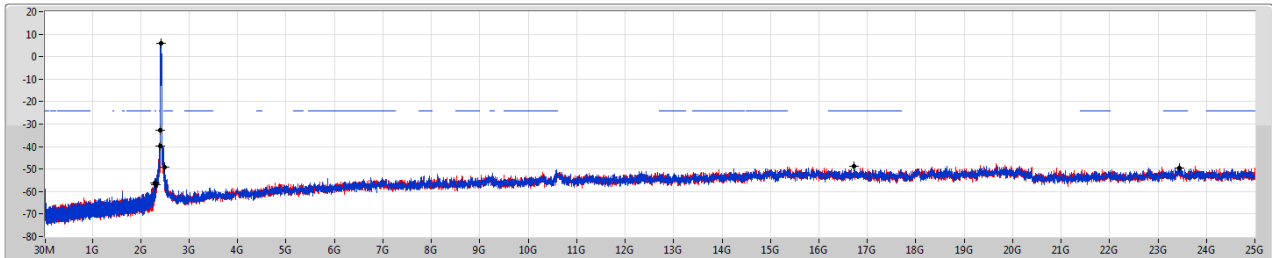
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43745G	11.22	-18.78	1.96973G	-59.64	2.39276G	-54.41	2.48628G	-41.97	23.4435G	-49.07	1
2.43745G	11.22	-18.78	2.30175G	-60.57	2.3994G	-54.22	2.48566G	-41.80	23.42384G	-48.22	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

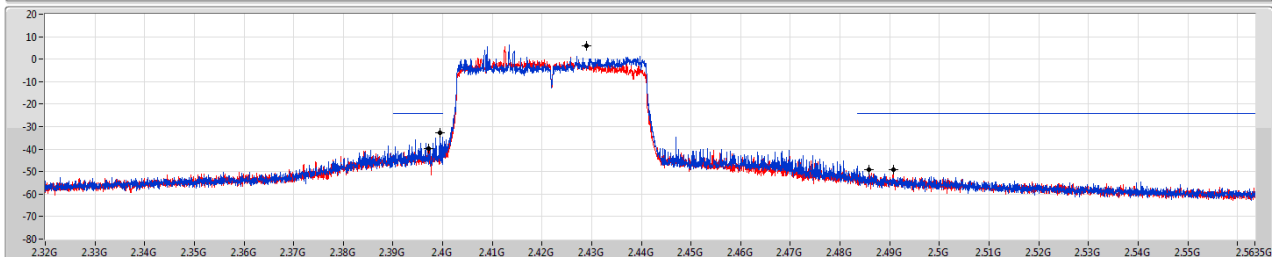
2422MHz

CSE NdB

08/10/2019



Port 1
Port 2



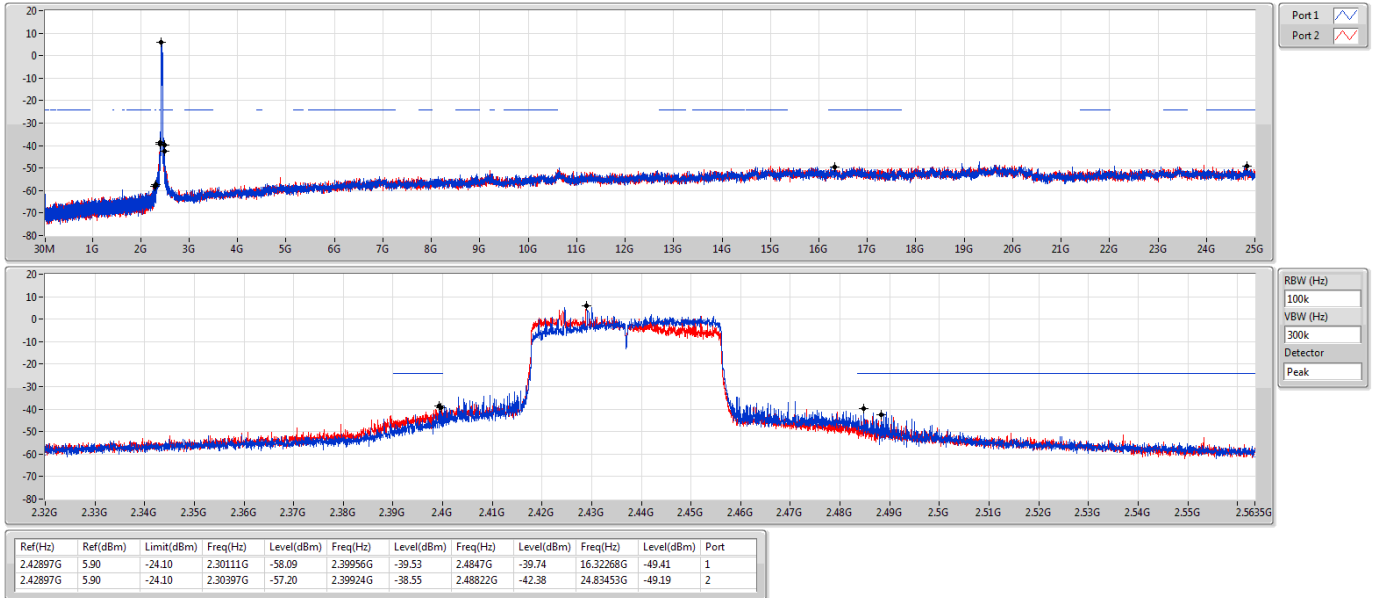
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42897G	5.90	-24.10	2.30025G	-56.17	2.39948G	-32.64	2.48574G	-49.13	16.73215G	-48.74	1
2.42897G	5.90	-24.10	2.30912G	-56.77	2.39724G	-39.85	2.4907G	-49.30	23.44627G	-49.50	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

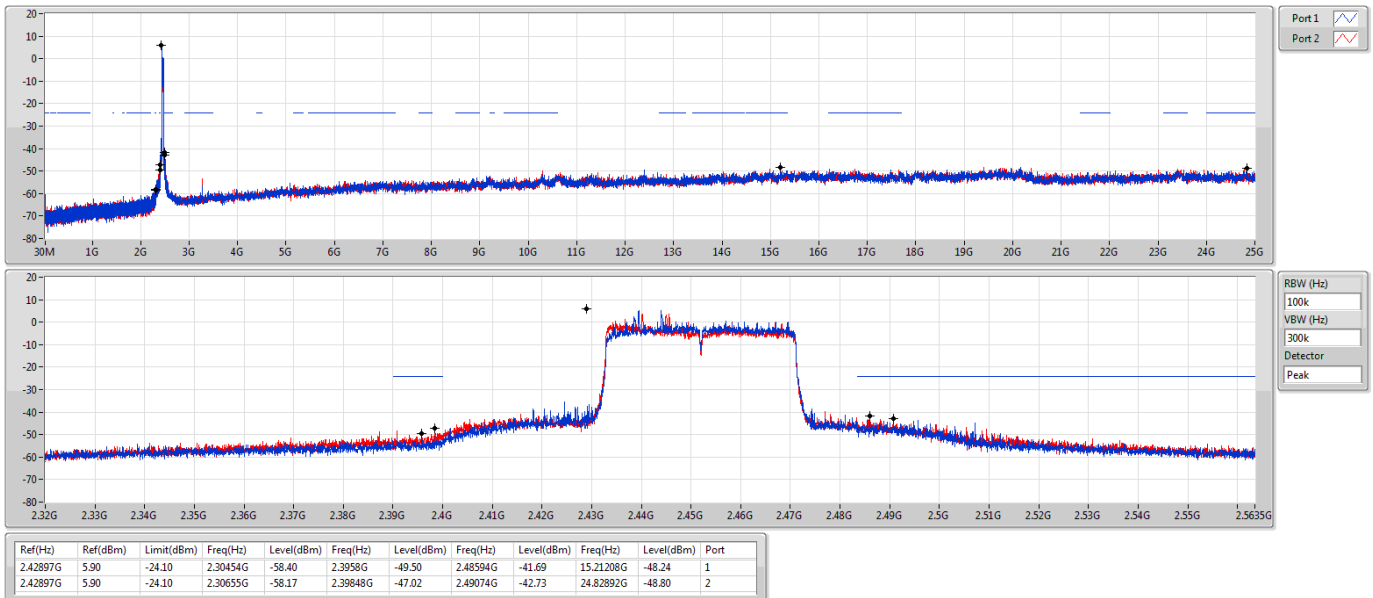
2437MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

2452MHz





**CSE(Non-restricted Band)
Beamforming_Sample 2_Radio 1_Omni**

Appendix E.19

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.43599G	13.07	-16.93	2.30175G	-56.77	2.39792G	-35.05	2.49404G	-52.44	15.30701G	-49.06	1
VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.42948G	7.92	-22.08	2.30712G	-55.30	2.39452G	-41.09	2.4839G	-51.39	16.90603G	-49.63	1
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43753G	15.40	-14.60	2.30874G	-56.11	2.39984G	-32.21	2.51786G	-51.57	24.46056G	-49.24	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.42847G	8.49	-21.51	2.30741G	-55.70	2.398G	-36.95	2.48474G	-42.26	24.76442G	-49.29	1

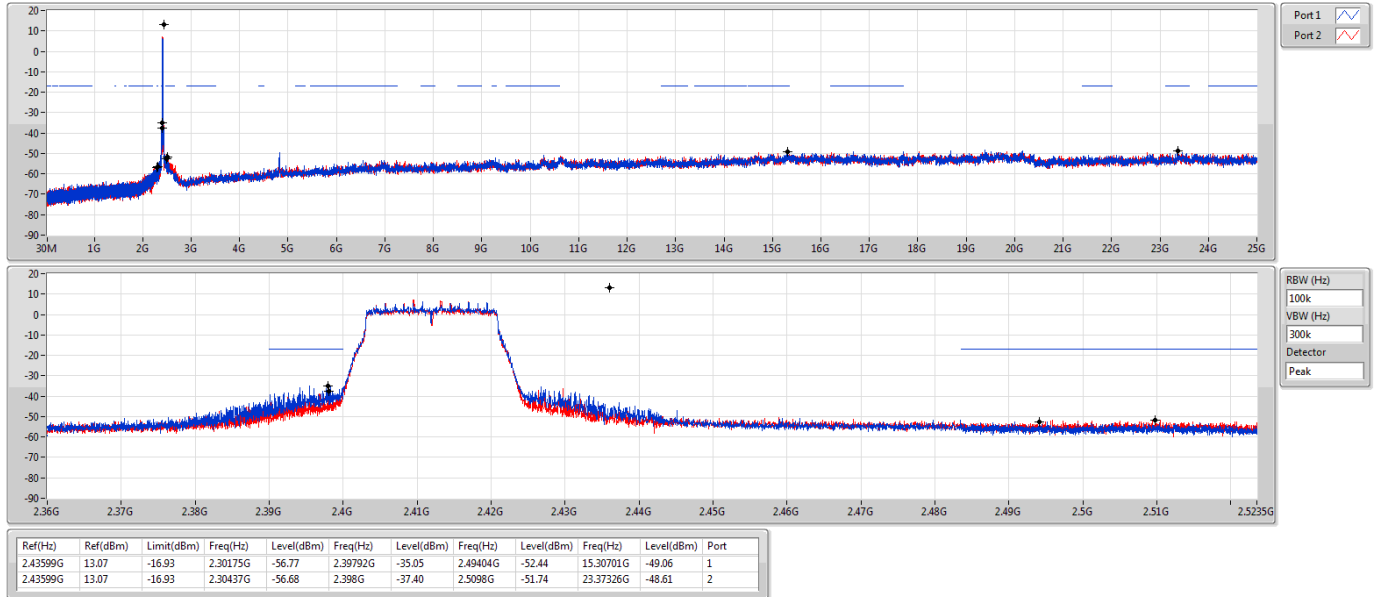
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	13.07	-16.93	2.30175G	-56.77	2.39792G	-35.05	2.49404G	-52.44	15.30701G	-49.06	1
2412MHz	Pass	2.43599G	13.07	-16.93	2.30437G	-56.68	2.398G	-37.40	2.5098G	-51.74	23.37326G	-48.61	2
2437MHz	Pass	2.43599G	13.07	-16.93	2.30554G	-55.61	2.39888G	-40.28	2.4842G	-46.29	23.43226G	-49.53	1
2437MHz	Pass	2.43599G	13.07	-16.93	2.30262G	-56.16	2.39958G	-44.86	2.48354G	-47.32	17.67547G	-49.10	2
2462MHz	Pass	2.43599G	13.07	-16.93	2.3G	-58.47	2.39964G	-53.36	2.48458G	-45.44	15.29577G	-49.72	1
2462MHz	Pass	2.43599G	13.07	-16.93	2.30612G	-59.17	2.39984G	-53.30	2.48908G	-44.11	16.85508G	-48.80	2
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42948G	7.92	-22.08	2.30712G	-55.30	2.39452G	-41.09	2.4839G	-51.39	16.90603G	-49.63	1
2422MHz	Pass	2.42948G	7.92	-22.08	2.30168G	-56.76	2.3998G	-44.53	2.50886G	-50.98	15.30743G	-49.34	2
2437MHz	Pass	2.42948G	7.92	-22.08	2.3097G	-56.05	2.39548G	-43.24	2.48446G	-46.98	14.96528G	-49.65	1
2437MHz	Pass	2.42948G	7.92	-22.08	2.30655G	-57.33	2.399G	-45.99	2.48642G	-49.36	24.79527G	-49.08	2
2452MHz	Pass	2.42948G	7.92	-22.08	2.30111G	-57.52	2.39328G	-52.70	2.48882G	-49.26	23.38457G	-48.75	1
2452MHz	Pass	2.42948G	7.92	-22.08	2.30225G	-57.50	2.39904G	-53.76	2.5051G	-50.65	23.39299G	-48.73	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43753G	15.40	-14.60	2.30758G	-56.45	2.39946G	-32.67	2.48558G	-52.57	16.83541G	-48.56	1
2412MHz	Pass	2.43753G	15.40	-14.60	2.30874G	-56.11	2.39984G	-32.21	2.51786G	-51.57	24.46056G	-49.24	2
2437MHz	Pass	2.43753G	15.40	-14.60	2.30379G	-55.51	2.3958G	-39.08	2.48422G	-45.15	24.09532G	-49.69	1
2437MHz	Pass	2.43753G	15.40	-14.60	2.30787G	-54.61	2.39672G	-41.84	2.48414G	-46.39	24.56452G	-48.82	2
2462MHz	Pass	2.43753G	15.40	-14.60	2.30175G	-56.59	2.39126G	-52.91	2.4838G	-39.65	24.71904G	-49.37	1
2462MHz	Pass	2.43753G	15.40	-14.60	2.05186G	-59.77	2.3948G	-52.86	2.48356G	-43.53	24.75557G	-49.16	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42847G	8.49	-21.51	2.30769G	-56.07	2.39452G	-39.55	2.48366G	-51.11	23.44627G	-49.13	1
2422MHz	Pass	2.42847G	8.49	-21.51	2.30197G	-56.14	2.39804G	-44.16	2.51866G	-51.46	23.34811G	-48.46	2
2437MHz	Pass	2.42847G	8.49	-21.51	2.30741G	-55.70	2.398G	-36.95	2.48474G	-42.26	24.76442G	-49.29	1
2437MHz	Pass	2.42847G	8.49	-21.51	2.30569G	-57.45	2.39808G	-41.74	2.48874G	-46.29	16.84994G	-48.91	2
2452MHz	Pass	2.42847G	8.49	-21.51	2.30197G	-57.48	2.39828G	-49.45	2.4957G	-48.38	23.19667G	-48.58	1
2452MHz	Pass	2.42847G	8.49	-21.51	2.30569G	-59.09	2.39936G	-53.83	2.48802G	-50.67	23.4603G	-49.56	2

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz

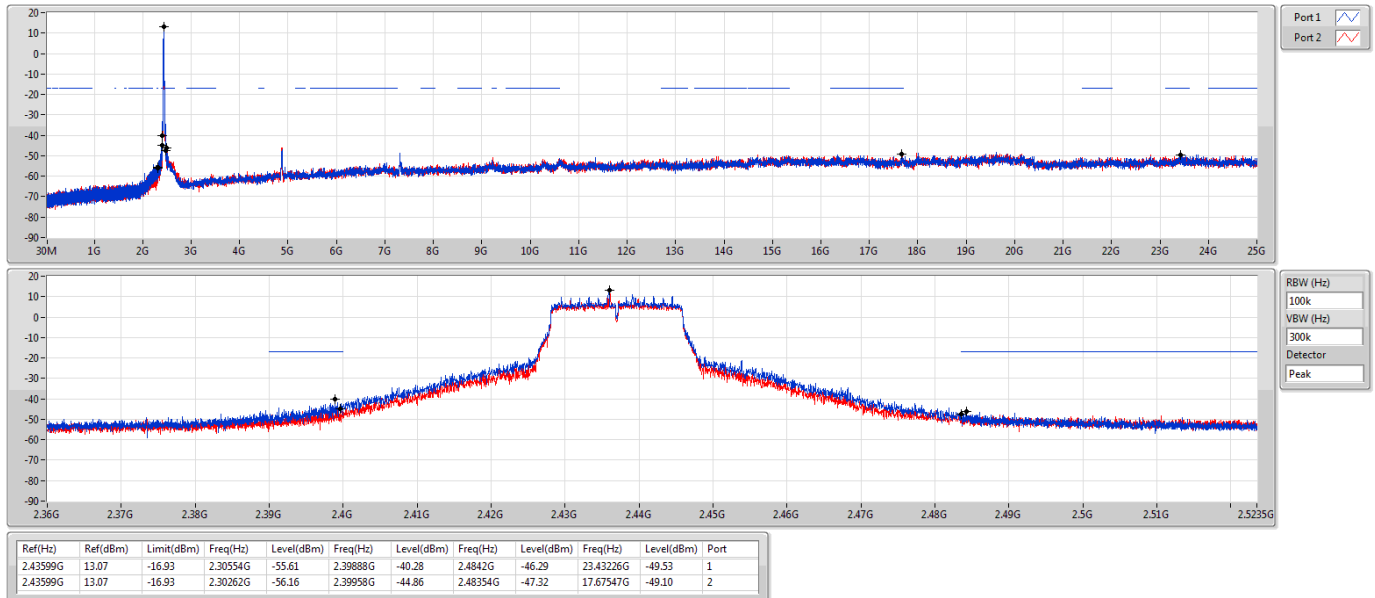
CSE NdB



VHT20-BF_Nss1,(MCS0)_2TX

2437MHz

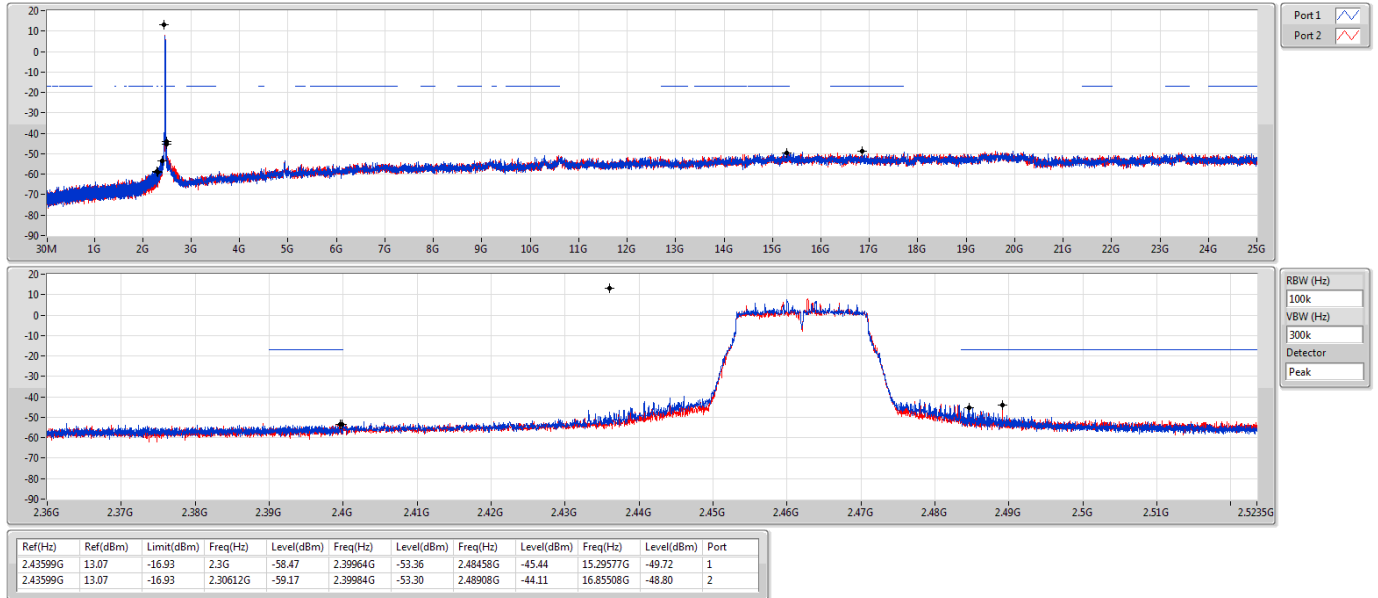
CSE NdB



VHT20-BF_Nss1,(MCS0)_2TX

CSE NdB

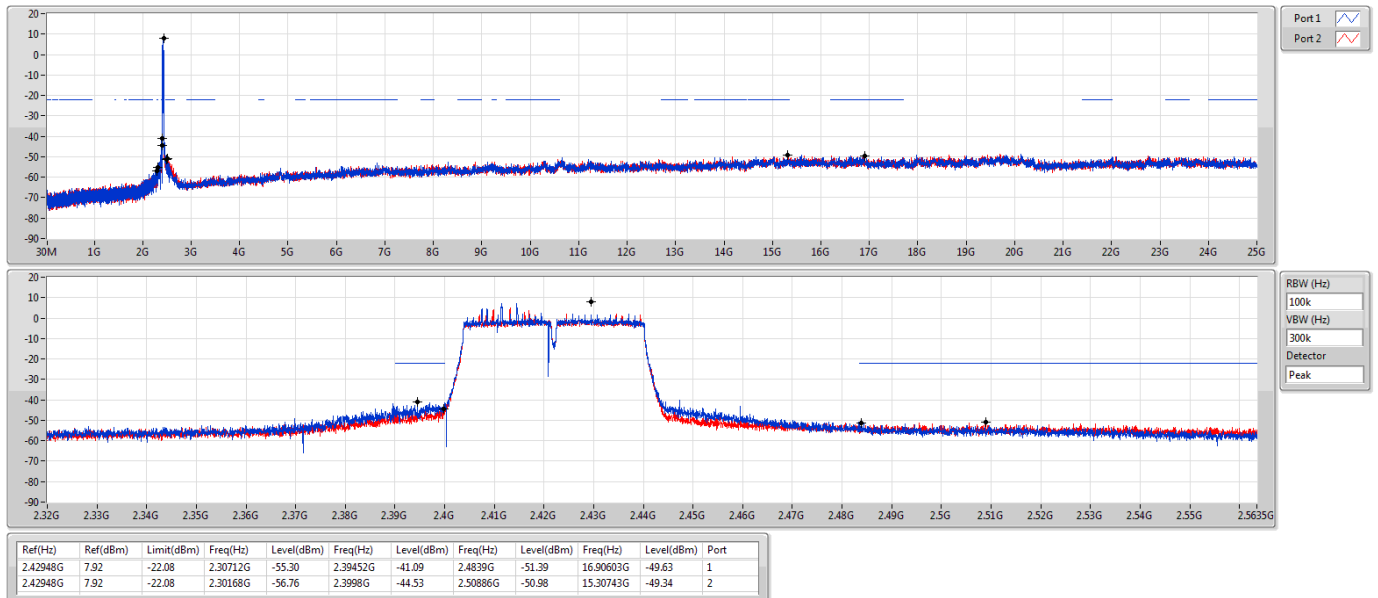
2462MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

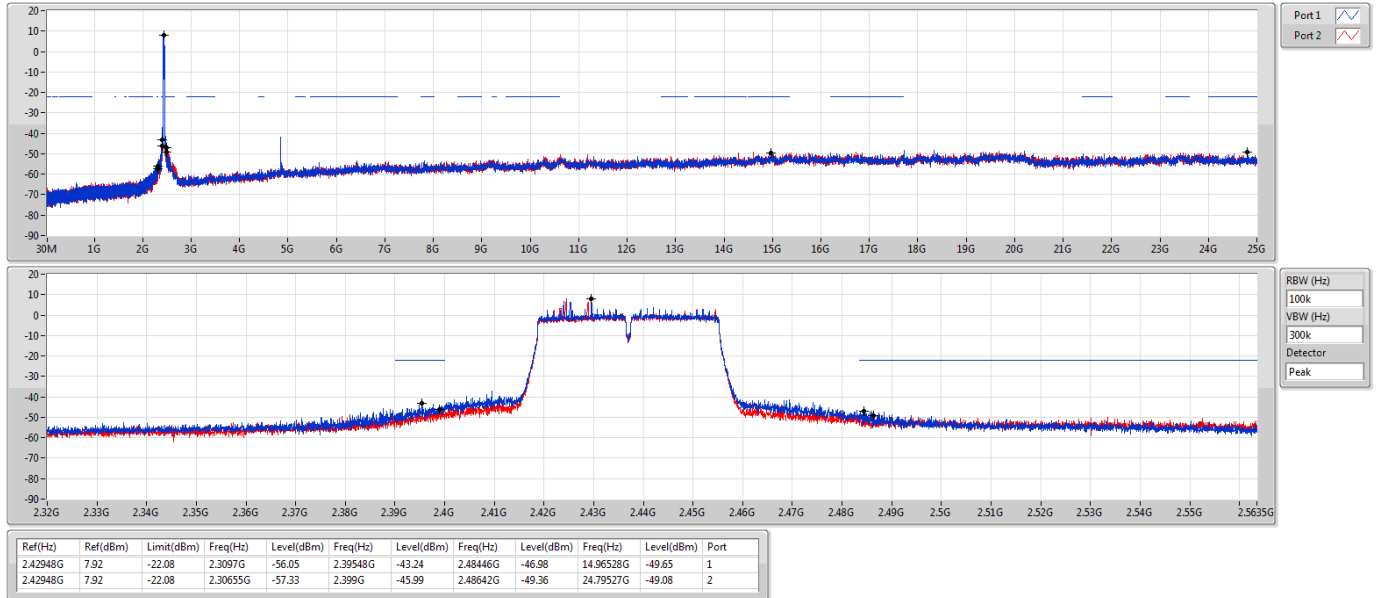
2422MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

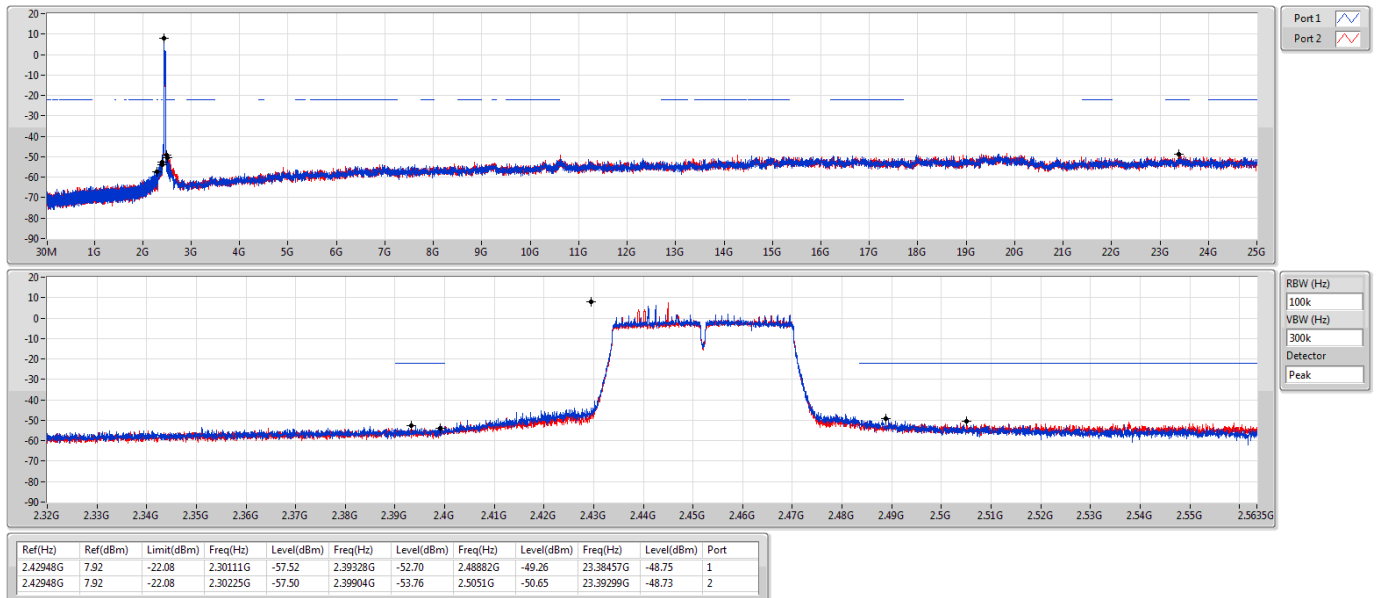
2437MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

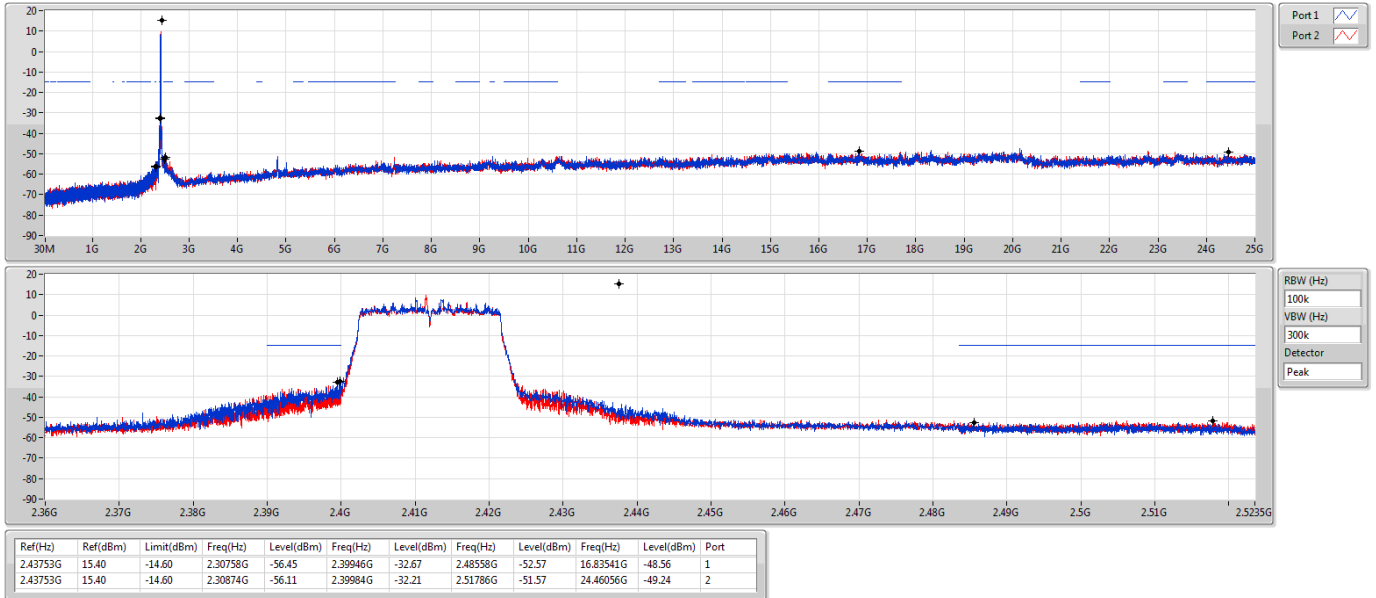
2452MHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

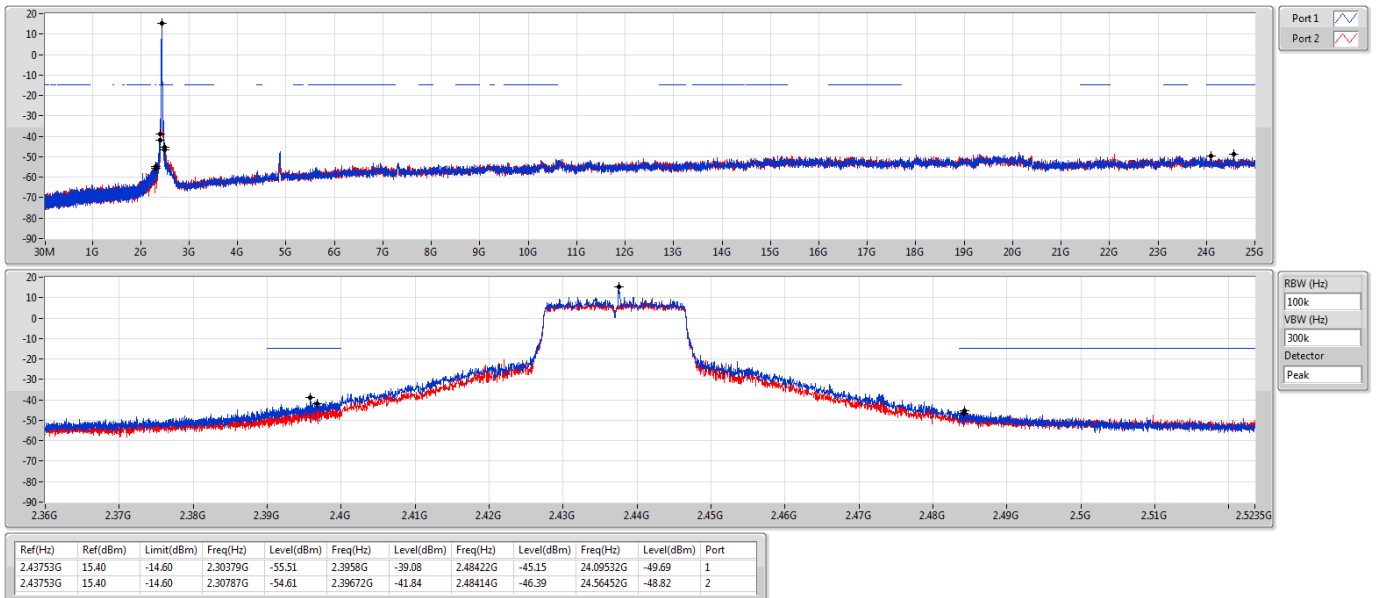
2412MHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

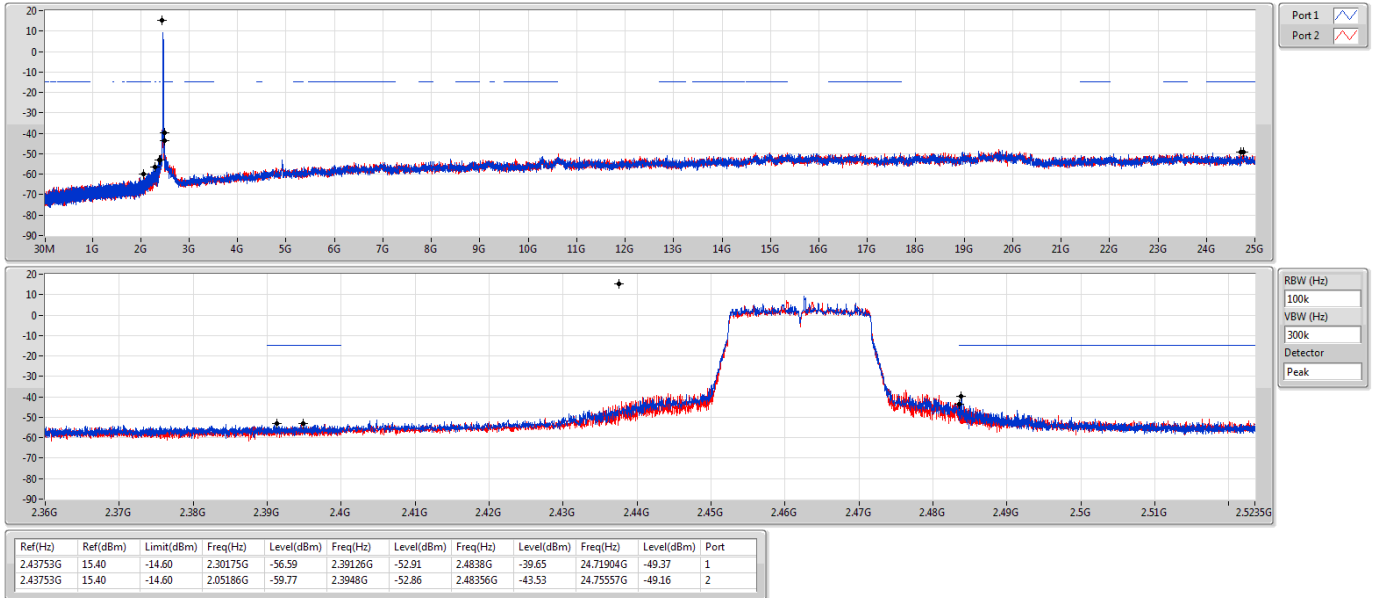
2437MHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

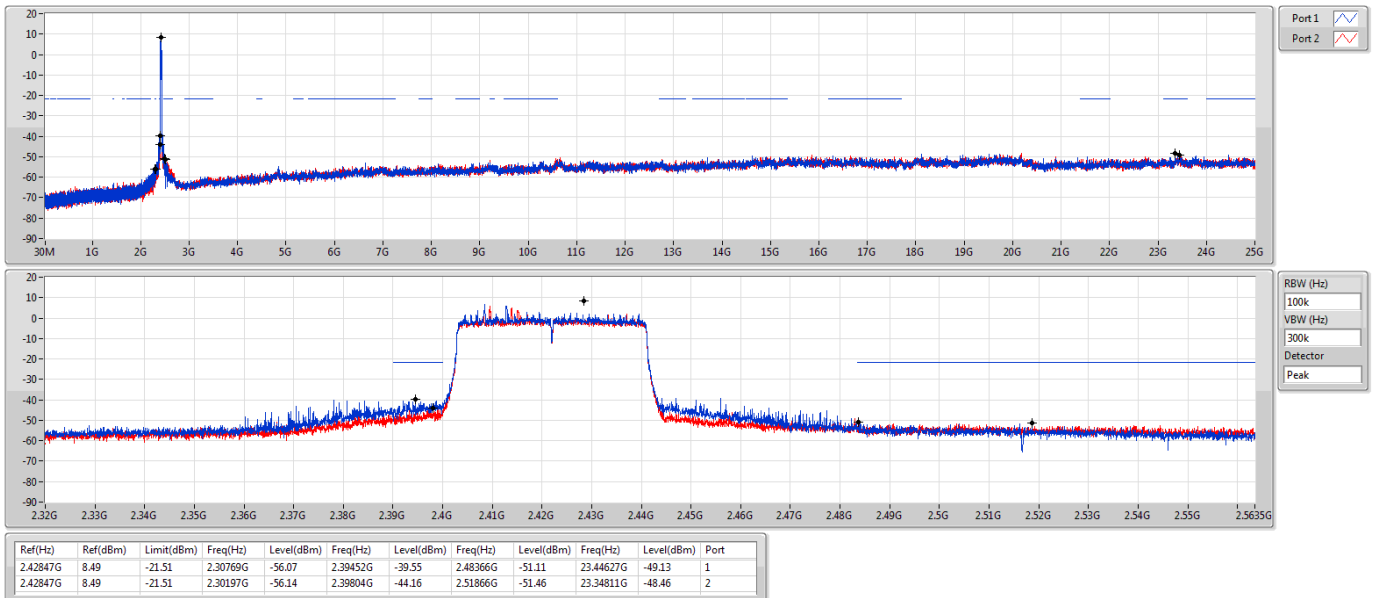
2462MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

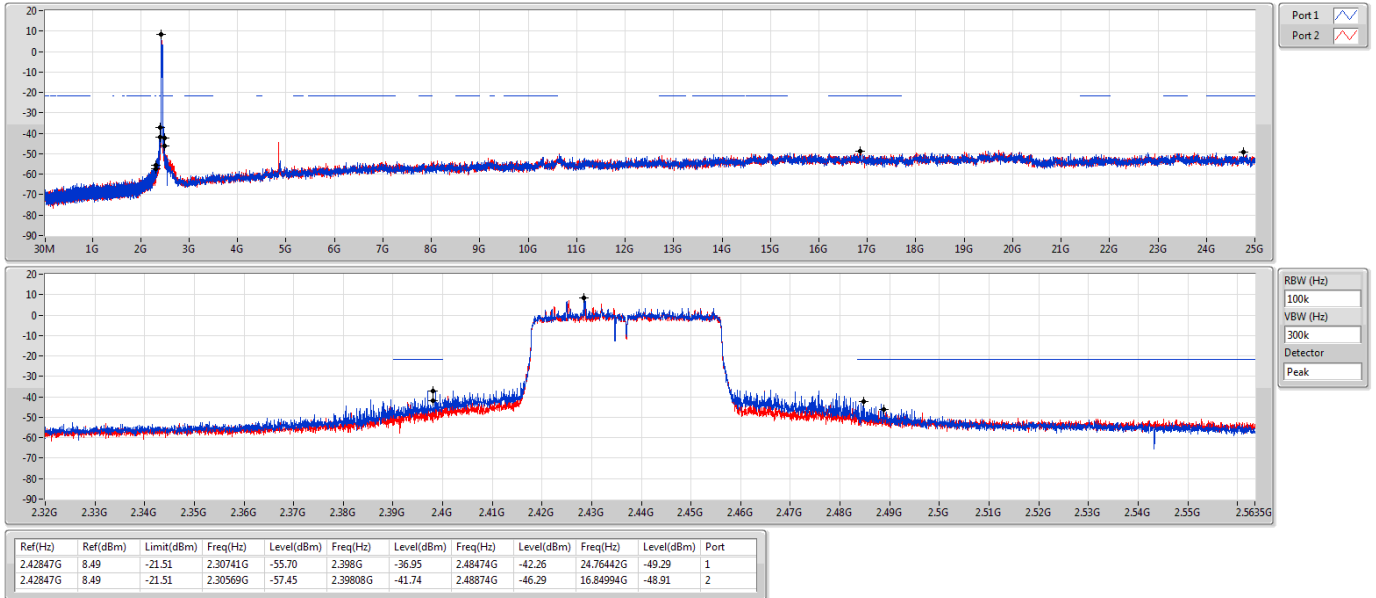
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802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

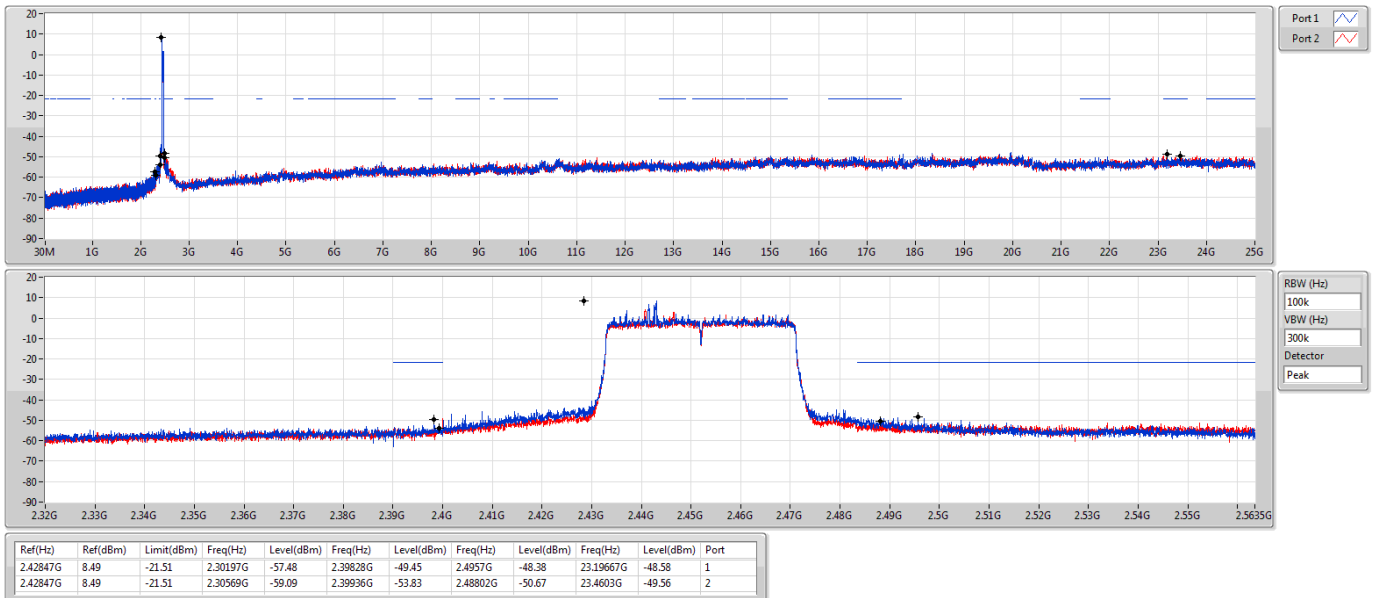
2437MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

2452MHz





**CSE(Non-restricted Band)
Beamforming_Sample 2_Radio 1_Panel 1**

Appendix E.20

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.43816G	5.95	-24.05	2.30641G	-58.40	2.39988G	-39.18	2.48818G	-53.81	14.61024G	-49.85	1
VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.42948G	8.61	-21.39	2.30025G	-56.14	2.39952G	-41.13	2.48358G	-48.30	16.53022G	-48.95	1
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43653G	9.44	-20.56	2.30641G	-57.49	2.39878G	-38.67	2.51432G	-52.95	23.43226G	-49.17	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.42747G	8.95	-21.05	2.30712G	-56.36	2.39924G	-41.30	2.48822G	-43.43	24.88782G	-48.79	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43816G	5.95	-24.05	2.30641G	-58.40	2.39988G	-39.18	2.48818G	-53.81	14.61024G	-49.85	1
2412MHz	Pass	2.43816G	5.95	-24.05	2.30554G	-58.07	2.39992G	-42.07	2.51354G	-51.97	24.3819G	-49.37	2
2437MHz	Pass	2.43816G	5.95	-24.05	2.30874G	-57.15	2.3991G	-53.40	2.50904G	-52.48	16.37183G	-48.65	1
2437MHz	Pass	2.43816G	5.95	-24.05	2.30029G	-59.46	2.39418G	-53.05	2.4939G	-51.50	16.61908G	-48.78	2
2462MHz	Pass	2.43816G	5.95	-24.05	2.30117G	-57.89	2.39304G	-54.65	2.48386G	-50.18	23.4716G	-49.22	1
2462MHz	Pass	2.43816G	5.95	-24.05	2.30029G	-58.35	2.39444G	-54.13	2.4842G	-49.59	17.13042G	-48.16	2
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42948G	8.61	-21.39	2.30397G	-57.12	2.3976G	-42.91	2.48454G	-50.61	21.98229G	-49.19	1
2422MHz	Pass	2.42948G	8.61	-21.39	2.30798G	-58.19	2.39988G	-45.47	2.49354G	-51.57	15.18684G	-49.24	2
2437MHz	Pass	2.42948G	8.61	-21.39	2.30025G	-56.14	2.39952G	-41.13	2.48358G	-48.30	16.53022G	-48.95	1
2437MHz	Pass	2.42948G	8.61	-21.39	2.30454G	-57.53	2.39776G	-48.06	2.52294G	-50.87	15.21769G	-49.18	2
2452MHz	Pass	2.42948G	8.61	-21.39	2.30912G	-57.55	2.39708G	-51.34	2.48426G	-48.93	16.79665G	-49.52	1
2452MHz	Pass	2.42948G	8.61	-21.39	2.30111G	-56.87	2.3996G	-52.77	2.5023G	-50.84	14.65958G	-49.27	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43653G	9.44	-20.56	2.30728G	-57.27	2.39998G	-41.09	2.48632G	-52.58	23.41822G	-49.44	1
2412MHz	Pass	2.43653G	9.44	-20.56	2.30641G	-57.49	2.39878G	-38.67	2.51432G	-52.95	23.43226G	-49.17	2
2437MHz	Pass	2.43653G	9.44	-20.56	2.3067G	-57.44	2.39796G	-52.70	2.49096G	-51.90	24.10937G	-49.80	1
2437MHz	Pass	2.43653G	9.44	-20.56	2.30466G	-58.10	2.39344G	-52.89	2.4917G	-51.96	17.67547G	-48.78	2
2462MHz	Pass	2.43653G	9.44	-20.56	2.19894G	-58.12	2.39834G	-53.39	2.48788G	-49.92	23.40417G	-49.40	1
2462MHz	Pass	2.43653G	9.44	-20.56	2.30029G	-58.66	2.39206G	-54.06	2.48358G	-49.79	16.70617G	-48.56	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42747G	8.95	-21.05	2.30082G	-57.97	2.39452G	-43.15	2.50342G	-52.67	23.45188G	-48.64	1
2422MHz	Pass	2.42747G	8.95	-21.05	2.30855G	-57.24	2.39268G	-45.79	2.49766G	-51.88	15.00734G	-49.47	2
2437MHz	Pass	2.42747G	8.95	-21.05	2.30712G	-56.36	2.39924G	-41.30	2.48822G	-43.43	24.88782G	-48.79	1
2437MHz	Pass	2.42747G	8.95	-21.05	2.30454G	-58.28	2.39932G	-47.37	2.48646G	-49.13	15.03258G	-49.51	2
2452MHz	Pass	2.42747G	8.95	-21.05	2.30483G	-56.93	2.39952G	-49.30	2.48602G	-42.33	23.37335G	-48.63	1
2452MHz	Pass	2.42747G	8.95	-21.05	2.30225G	-58.65	2.3924G	-52.64	2.48726G	-49.44	24.16144G	-49.93	2

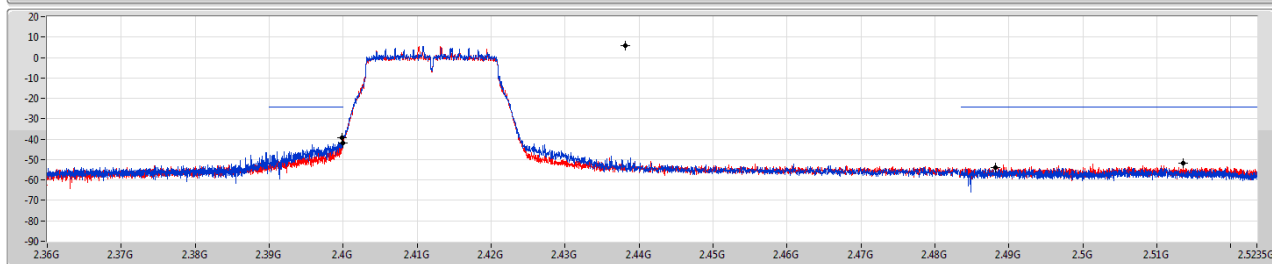
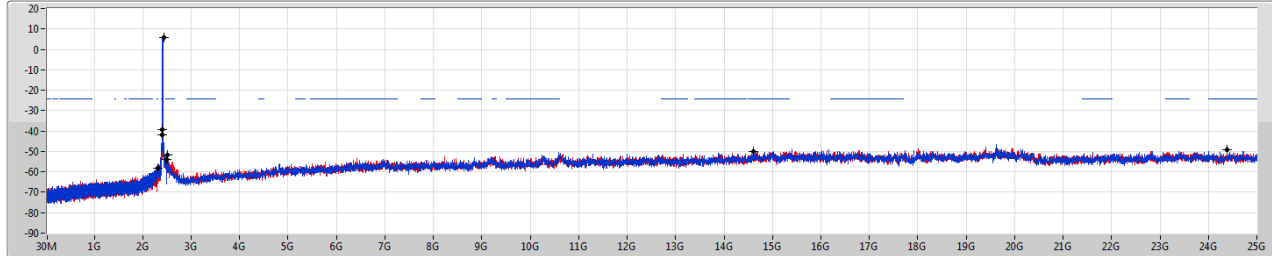
VHT20-BF_Nss1,(MCS0)_2TX

2412MHz

CSE NdB

05/10/2019

Port 1 
 Port 2 



RBW (Hz)
 100k
 VBW (Hz)
 300k
 Detector
 Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43816G	5.95	-24.05	2.30641G	-58.40	2.39988G	-39.18	2.48818G	-53.81	14.61024G	-49.85	1
2.43816G	5.95	-24.05	2.30554G	-58.07	2.39992G	-42.07	2.51354G	-51.97	24.3819G	-49.37	2

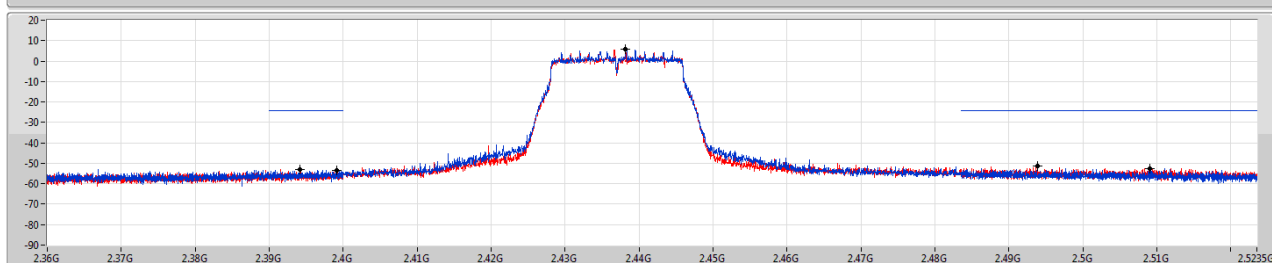
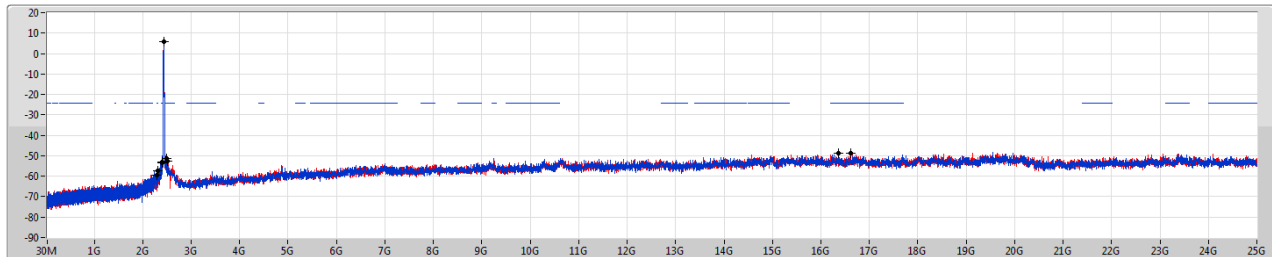
VHT20-BF_Nss1,(MCS0)_2TX

2437MHz

CSE NdB

05/10/2019

Port 1 
 Port 2 



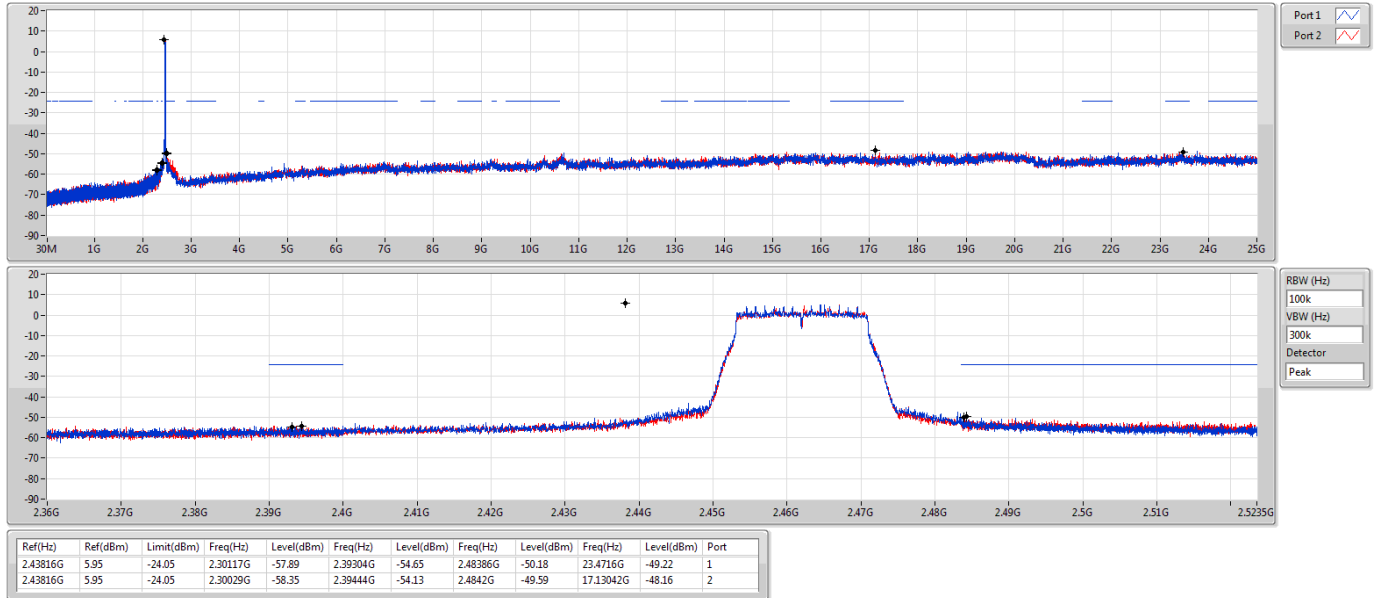
RBW (Hz)
 100k
 VBW (Hz)
 300k
 Detector
 Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43816G	5.95	-24.05	2.30874G	-57.15	2.3991G	-53.40	2.50904G	-52.48	16.37183G	-48.65	1
2.43816G	5.95	-24.05	2.30029G	-59.46	2.39418G	-53.05	2.4939G	-51.50	16.61908G	-48.78	2

VHT20-BF_Nss1,(MCS0)_2TX

CSE NdB

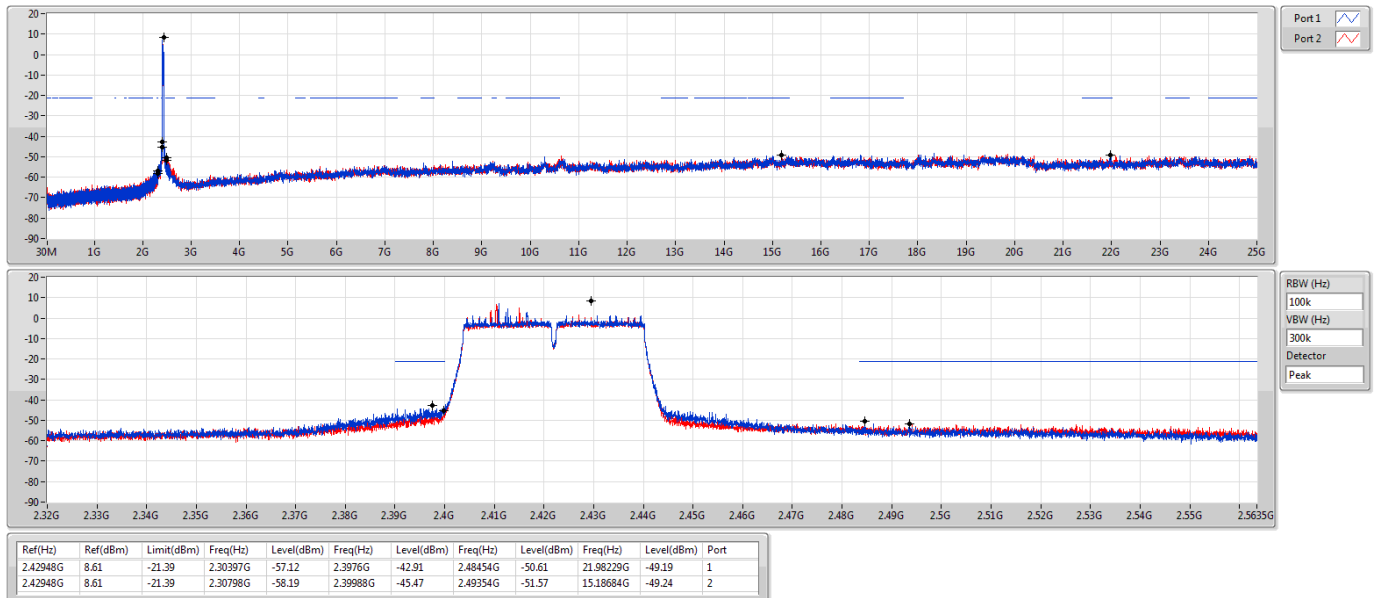
2462MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

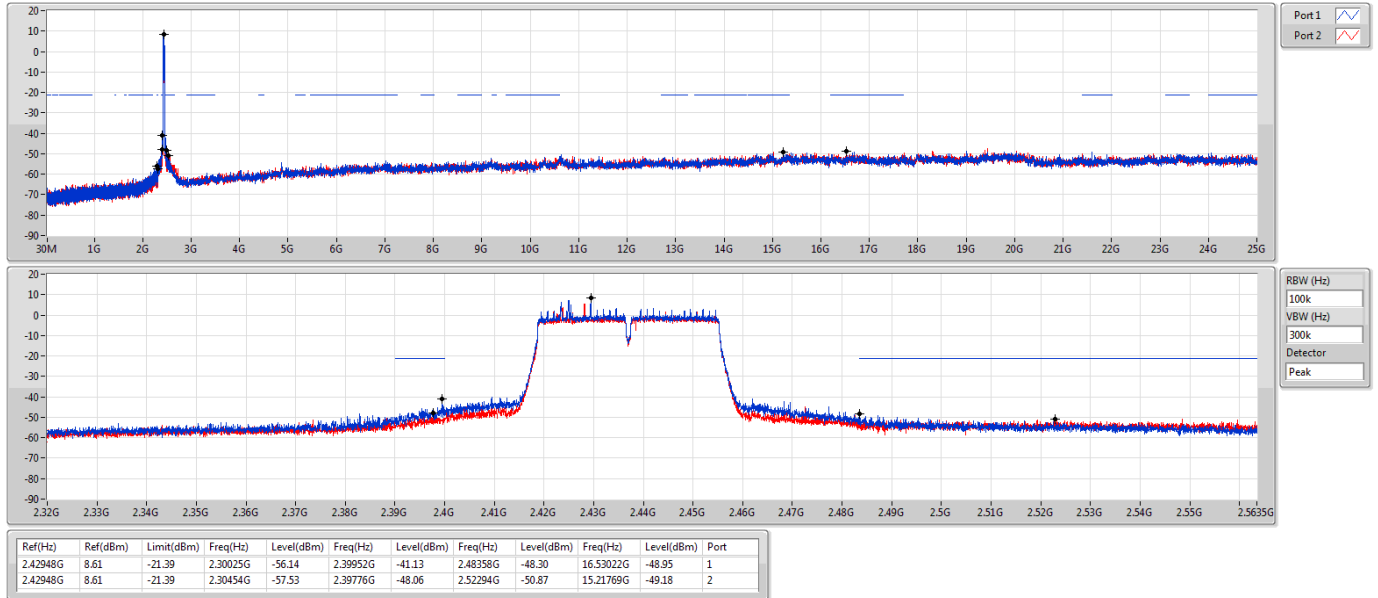
2422MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

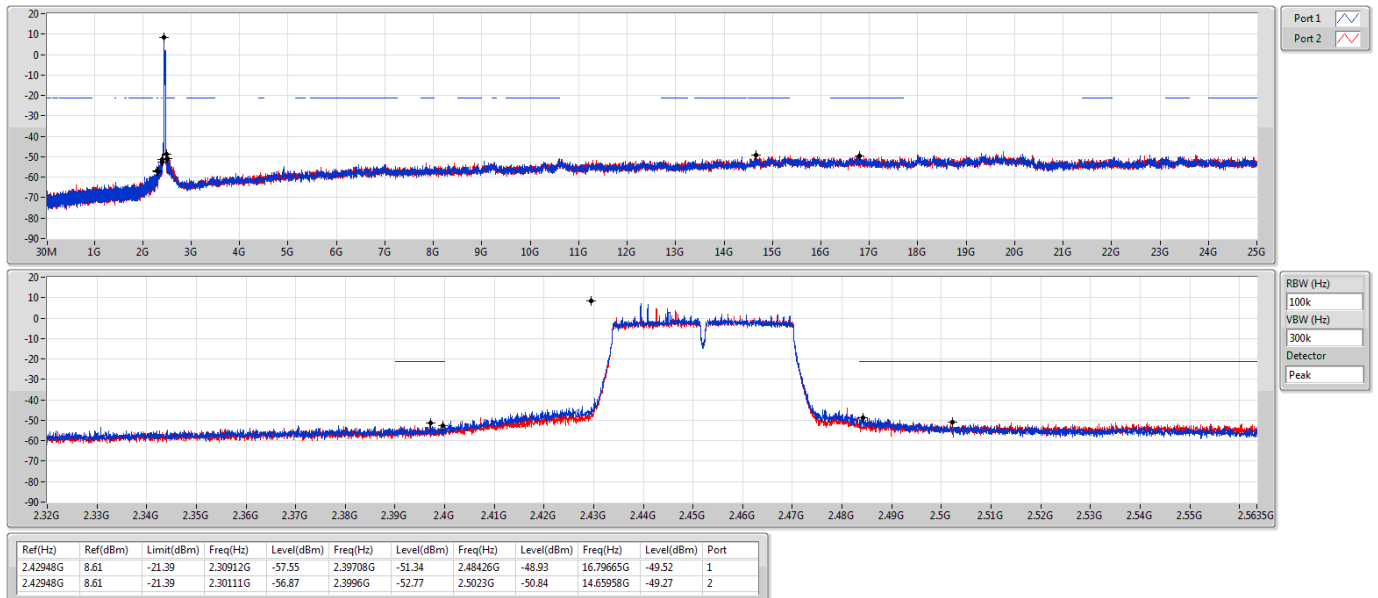
2437MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

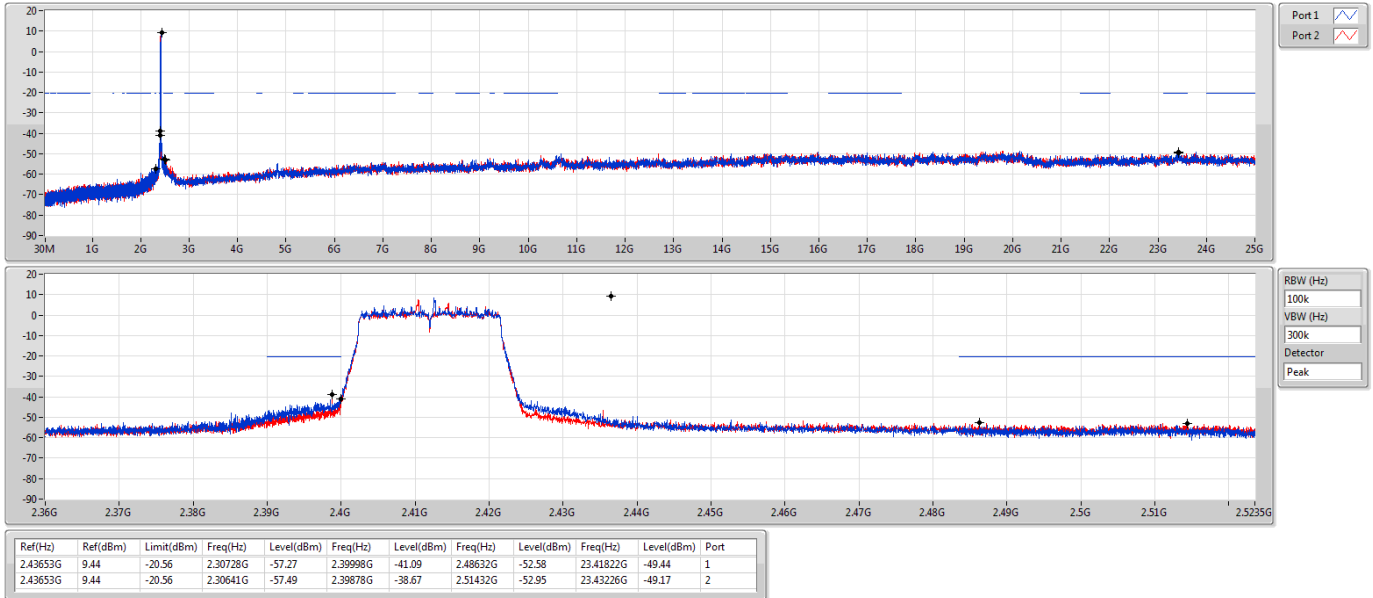
2452MHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

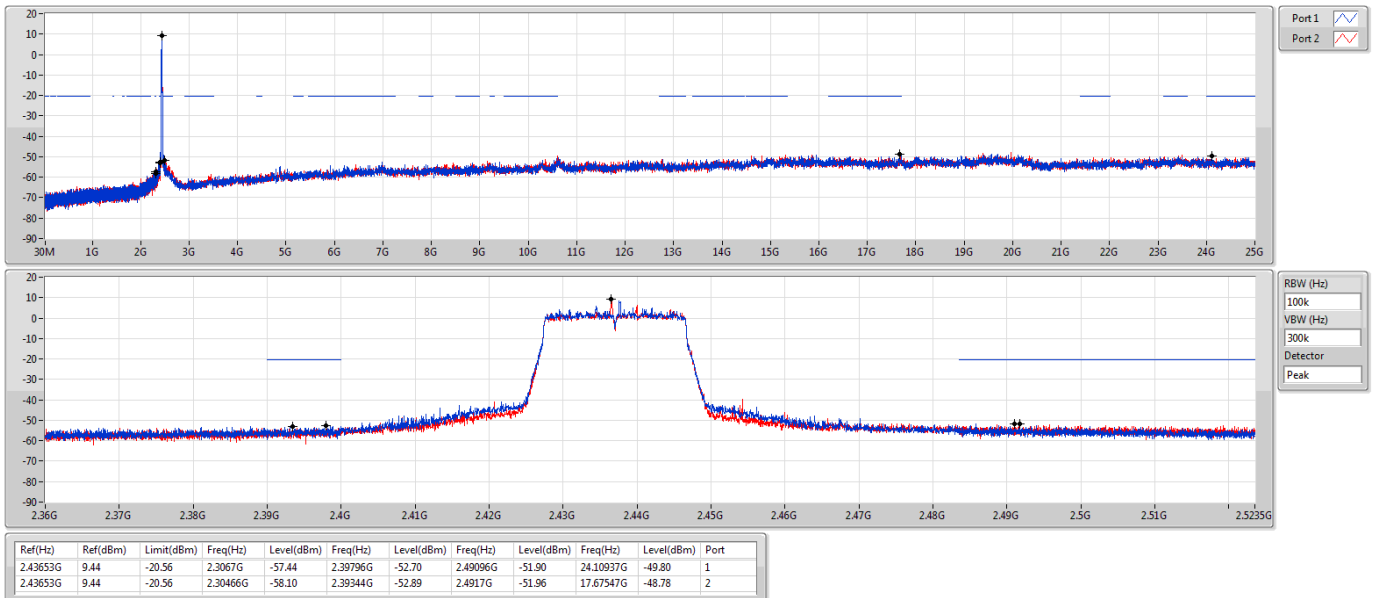
2412MHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

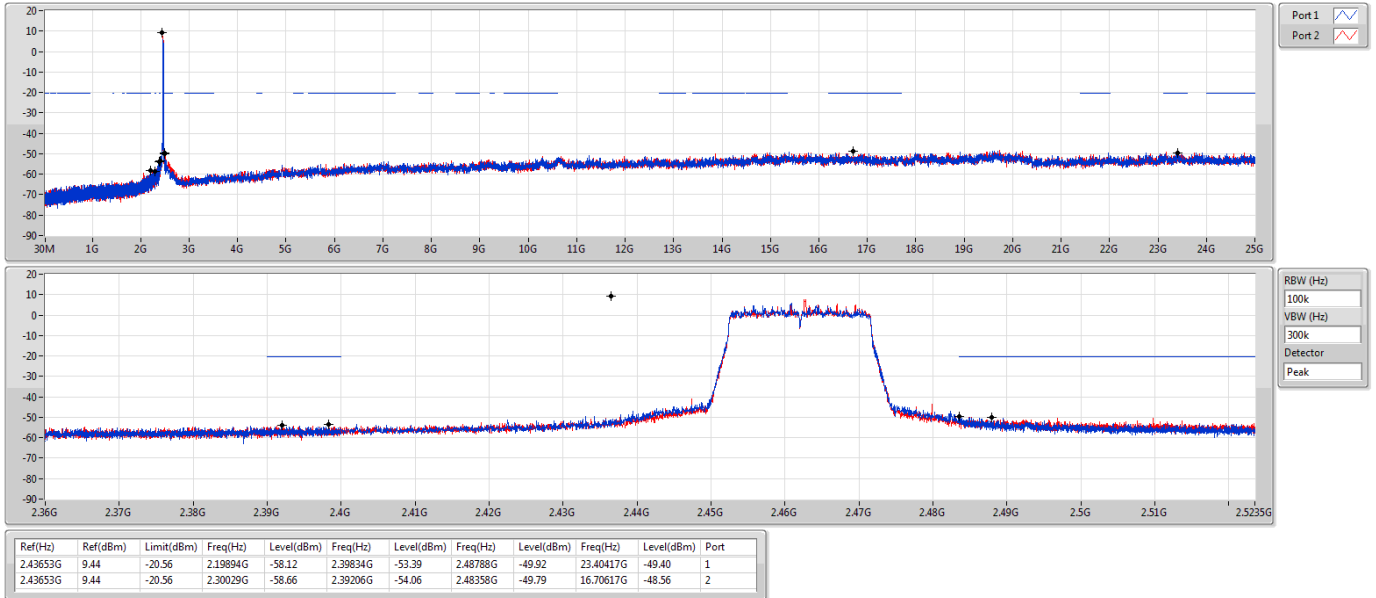
2437MHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

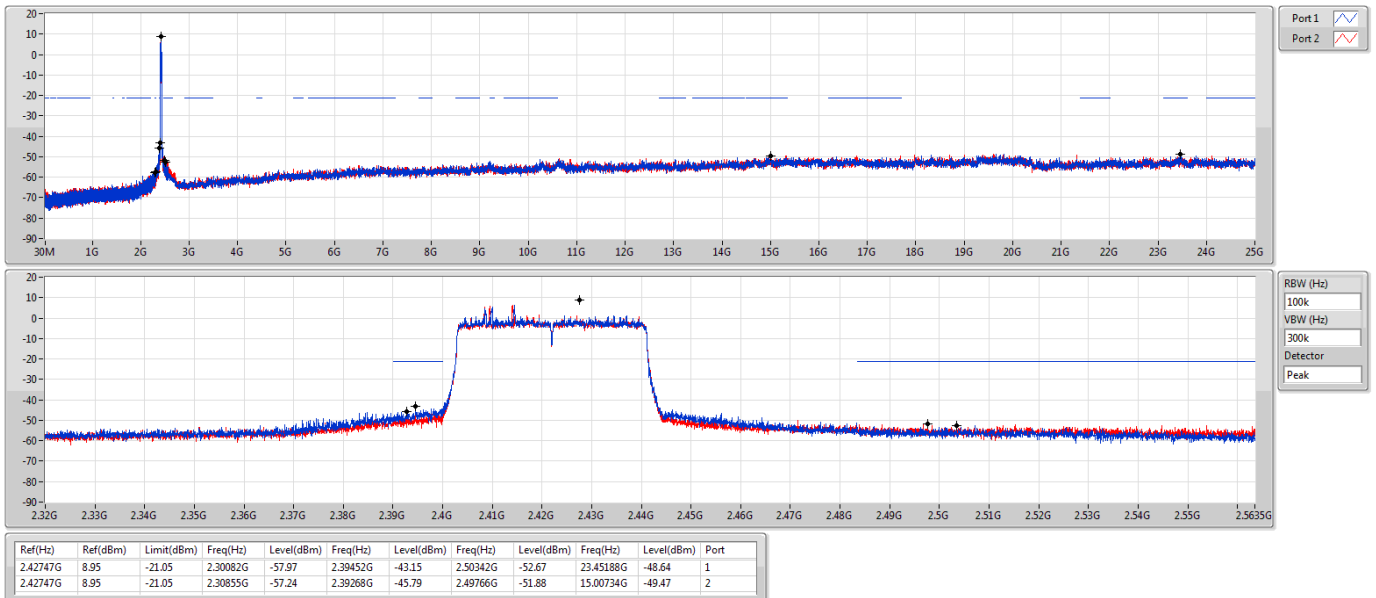
2462MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

2422MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

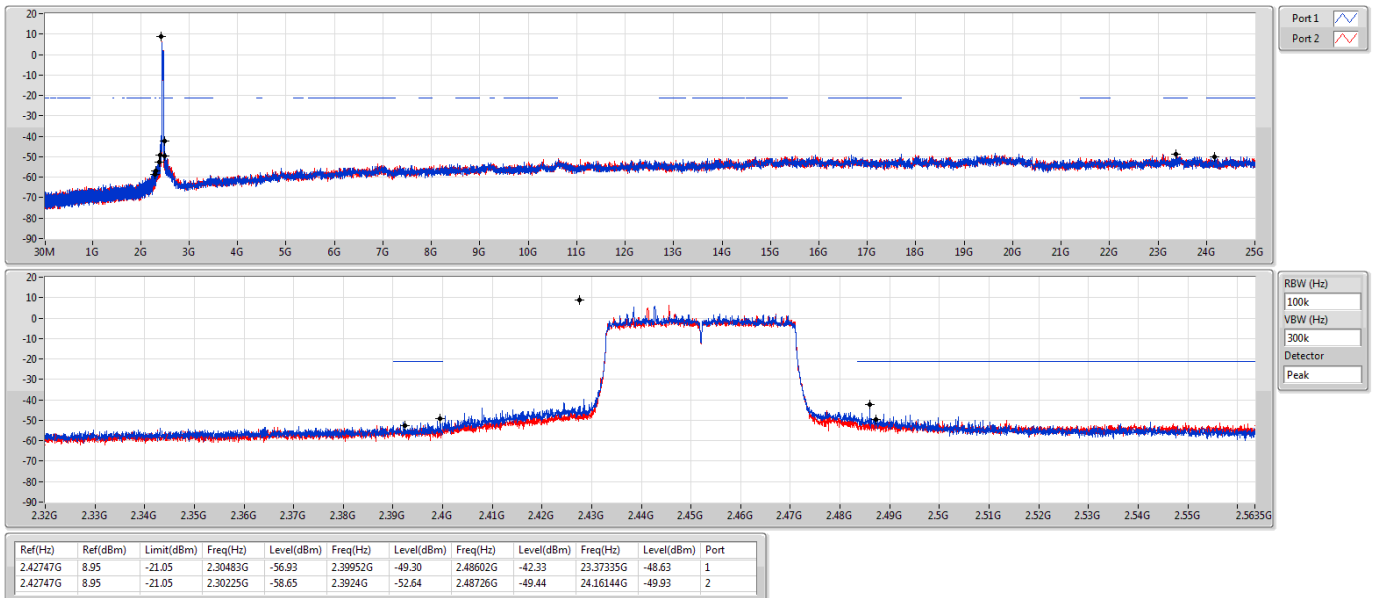
2437MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

2452MHz





**CSE(Non-restricted Band)
Beamforming_Sample 2_Radio 1_Panel 2**

Appendix E.21

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.46254G	12.92	-17.08	2.30845G	-53.21	2.3979G	-28.16	2.4996G	-51.09	16.88317G	-49.31	1
VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.42551G	10.47	-19.53	2.30111G	-55.64	2.39952G	-35.39	2.48514G	-47.75	24.75881G	-48.94	1
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.46154G	12.60	-17.40	2.30641G	-54.73	2.39884G	-28.79	2.51886G	-50.81	23.48284G	-49.08	1
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.42501G	10.56	-19.44	2.30483G	-55.44	2.39732G	-42.29	2.48446G	-31.23	24.02401G	-49.67	1

Result

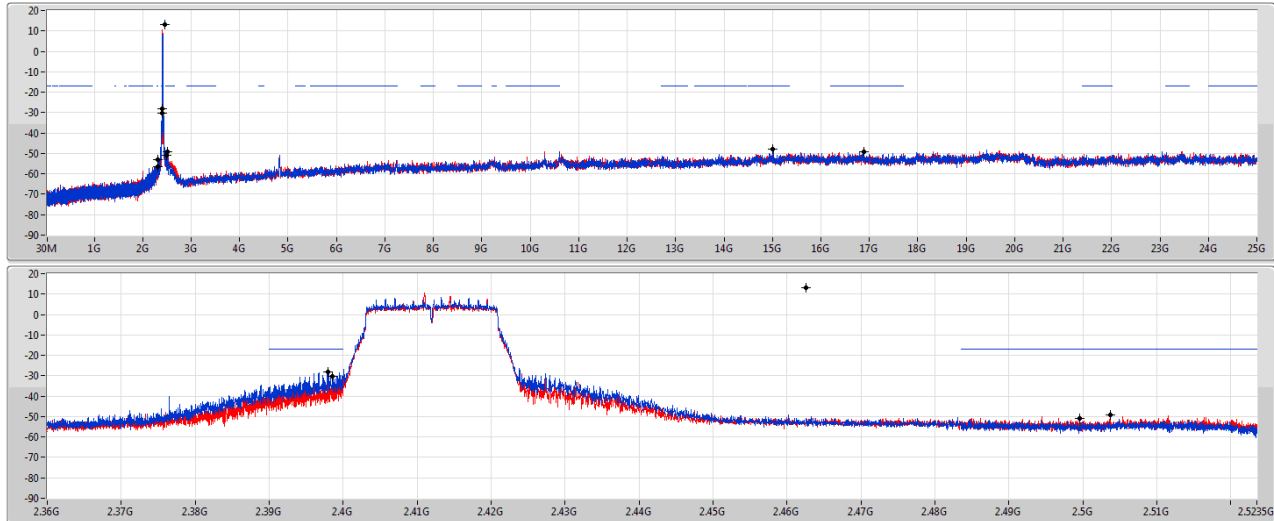
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46254G	12.92	-17.08	2.30845G	-53.21	2.3979G	-28.16	2.4996G	-51.09	16.88317G	-49.31	1
2412MHz	Pass	2.46254G	12.92	-17.08	2.30961G	-56.30	2.39848G	-30.31	2.50366G	-49.33	15.00077G	-47.86	2
2437MHz	Pass	2.46254G	12.92	-17.08	2.3067G	-54.79	2.39594G	-47.79	2.48596G	-48.62	15.30701G	-49.35	1
2437MHz	Pass	2.46254G	12.92	-17.08	2.30991G	-57.70	2.39952G	-49.93	2.48926G	-49.47	24.01103G	-49.29	2
2462MHz	Pass	2.46254G	12.92	-17.08	2.30117G	-55.82	2.39382G	-52.01	2.4839G	-35.50	14.99515G	-49.36	1
2462MHz	Pass	2.46254G	12.92	-17.08	2.30612G	-58.57	2.3936G	-51.82	2.48384G	-36.94	16.2735G	-49.62	2
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42551G	10.47	-19.53	2.30111G	-55.64	2.39952G	-35.39	2.48514G	-47.75	24.75881G	-48.94	1
2422MHz	Pass	2.42551G	10.47	-19.53	2.30168G	-56.13	2.39732G	-36.08	2.48474G	-49.29	15.2289G	-49.29	2
2437MHz	Pass	2.42551G	10.47	-19.53	2.3054G	-55.53	2.3962G	-36.80	2.48454G	-39.40	14.95686G	-48.73	1
2437MHz	Pass	2.42551G	10.47	-19.53	2.30139G	-57.48	2.39948G	-38.03	2.48446G	-39.64	14.9176G	-49.57	2
2452MHz	Pass	2.42551G	10.47	-19.53	2.30912G	-56.29	2.39616G	-42.57	2.48446G	-36.59	23.47151G	-48.91	1
2452MHz	Pass	2.42551G	10.47	-19.53	2.30512G	-56.88	2.39776G	-43.47	2.4889G	-38.69	24.83734G	-49.45	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46154G	12.60	-17.40	2.30641G	-54.73	2.39884G	-28.79	2.51886G	-50.81	23.48284G	-49.08	1
2412MHz	Pass	2.46154G	12.60	-17.40	2.30932G	-56.59	2.39686G	-29.31	2.51688G	-50.71	16.24259G	-48.68	2
2437MHz	Pass	2.46154G	12.60	-17.40	2.30437G	-55.64	2.3981G	-46.76	2.48576G	-47.26	23.43507G	-48.63	1
2437MHz	Pass	2.46154G	12.60	-17.40	2.30787G	-57.83	2.39876G	-50.05	2.48506G	-48.23	23.47441G	-48.96	2
2462MHz	Pass	2.46154G	12.60	-17.40	2.30466G	-56.67	2.39878G	-51.10	2.48354G	-34.92	24.28918G	-49.32	1
2462MHz	Pass	2.46154G	12.60	-17.40	2.30525G	-57.60	2.39138G	-51.81	2.48368G	-34.81	14.93334G	-49.44	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42501G	10.56	-19.44	2.3054G	-55.42	2.39452G	-32.16	2.48394G	-48.72	15.3467G	-48.69	1
2422MHz	Pass	2.42501G	10.56	-19.44	2.30225G	-56.22	2.398G	-36.54	2.48522G	-49.23	16.30866G	-49.01	2
2437MHz	Pass	2.42501G	10.56	-19.44	2.30397G	-57.01	2.39532G	-34.33	2.48526G	-39.88	15.33828G	-49.41	1
2437MHz	Pass	2.42501G	10.56	-19.44	2.30998G	-56.88	2.3974G	-37.23	2.4865G	-40.25	16.91164G	-48.66	2
2452MHz	Pass	2.42501G	10.56	-19.44	2.30483G	-55.44	2.39732G	-42.29	2.48446G	-31.23	24.02401G	-49.67	1
2452MHz	Pass	2.42501G	10.56	-19.44	2.30769G	-56.50	2.39776G	-45.34	2.48546G	-35.60	23.48554G	-48.64	2

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz

CSE NdB

05/10/2019



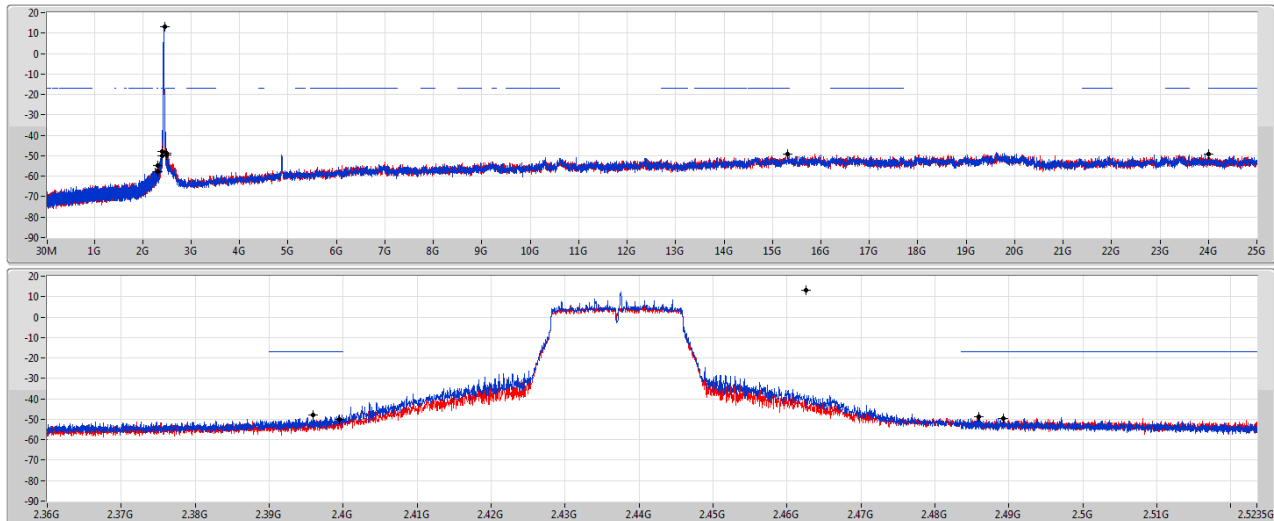
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46254G	12.92	-17.08	2.30845G	-53.21	2.3979G	-28.16	2.4996G	-51.09	16.88317G	-49.31	1
2.46254G	12.92	-17.08	2.30961G	-56.30	2.39848G	-30.31	2.50366G	-49.33	15.00077G	-47.86	2

VHT20-BF_Nss1,(MCS0)_2TX

2437MHz

CSE NdB

05/10/2019

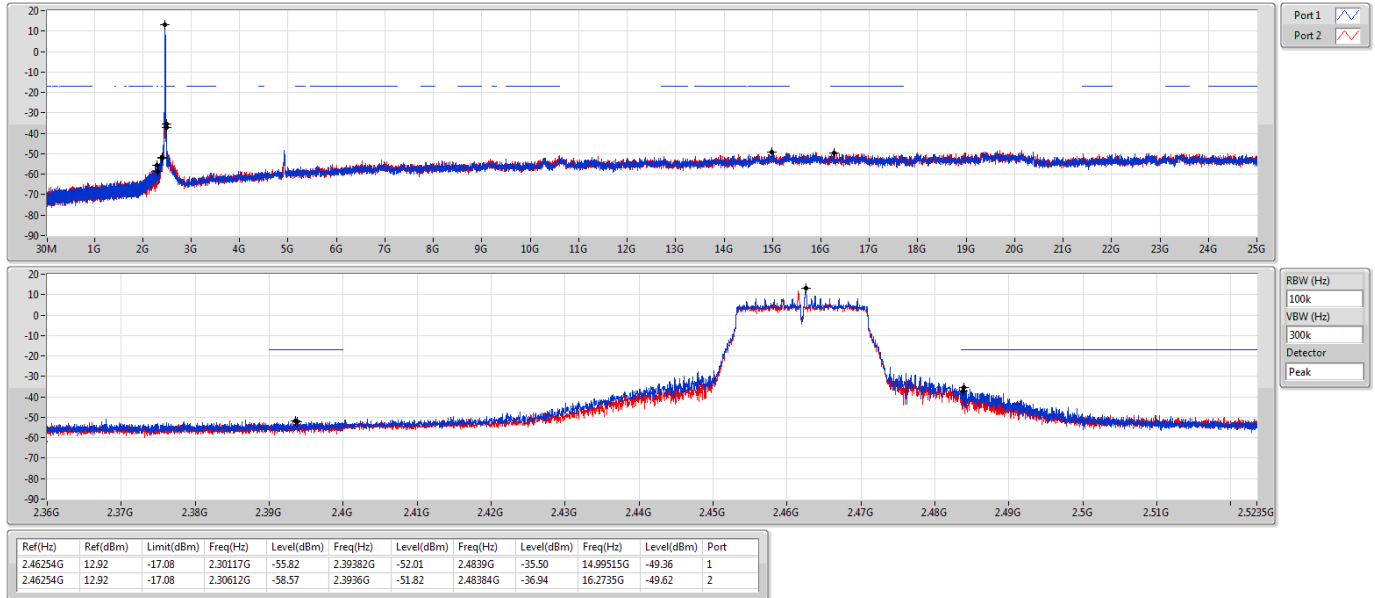


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46254G	12.92	-17.08	2.3067G	-54.79	2.39594G	-47.79	2.48596G	-48.62	15.30701G	-49.35	1
2.46254G	12.92	-17.08	2.30991G	-57.70	2.39952G	-49.93	2.48926G	-49.47	24.01103G	-49.29	2

VHT20-BF_Nss1,(MCS0)_2TX

CSE NdB

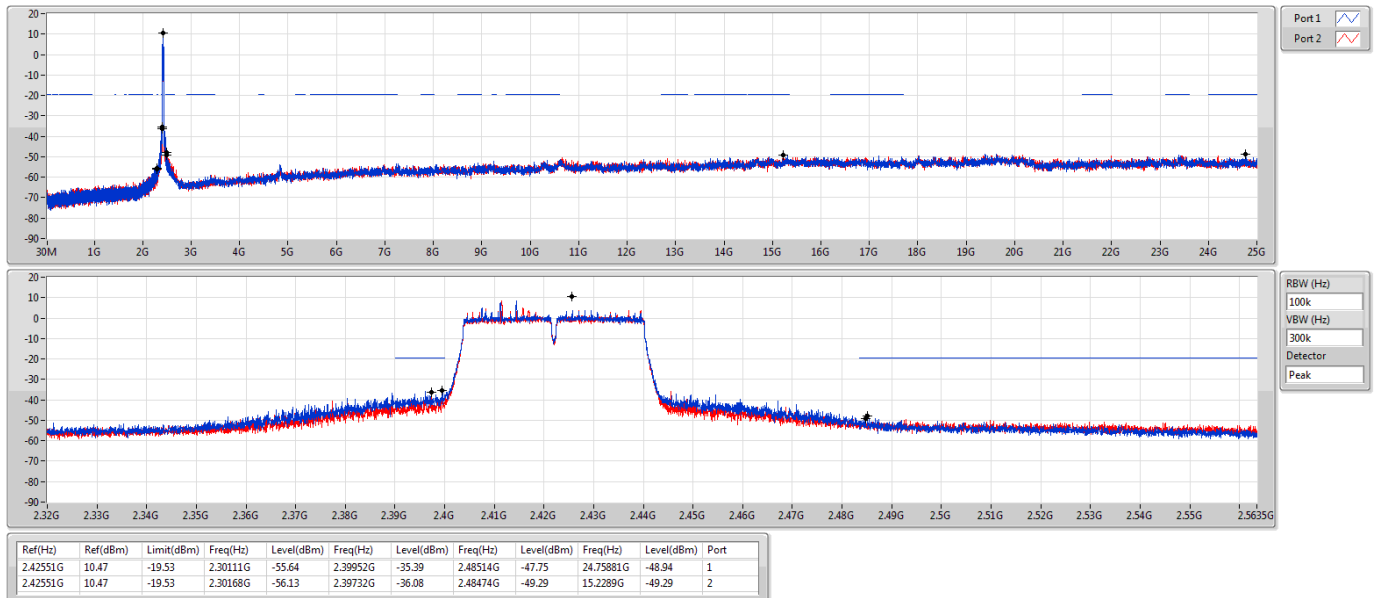
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VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

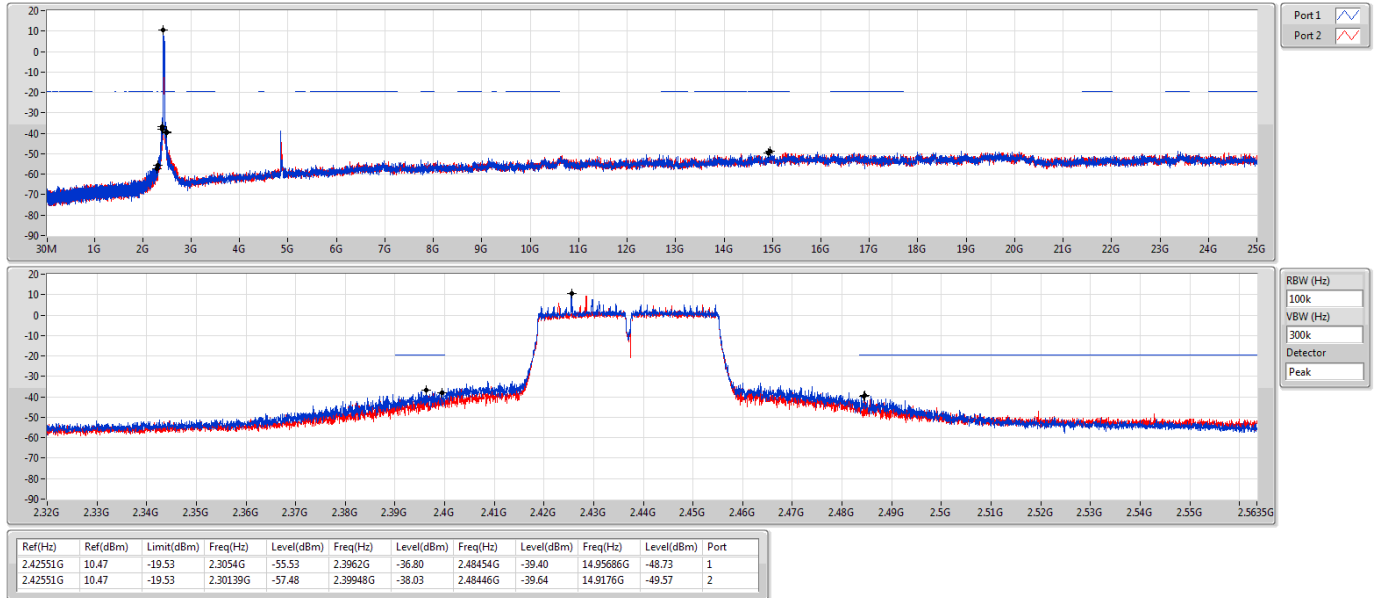
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VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

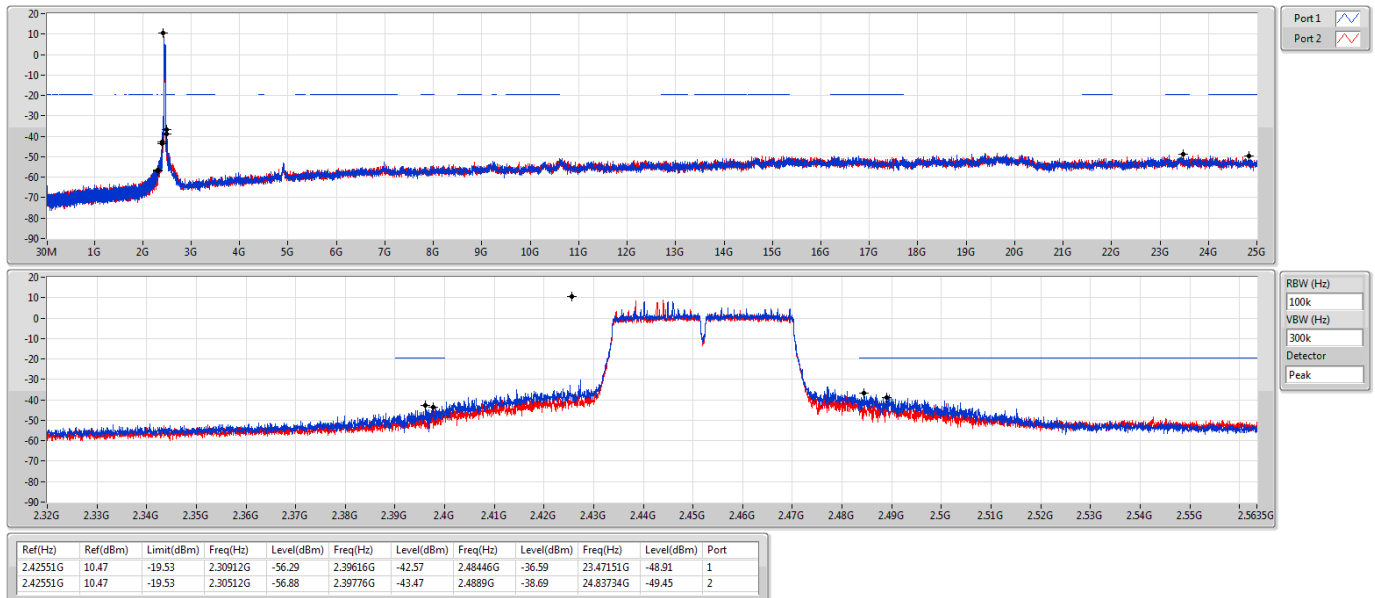
2437MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

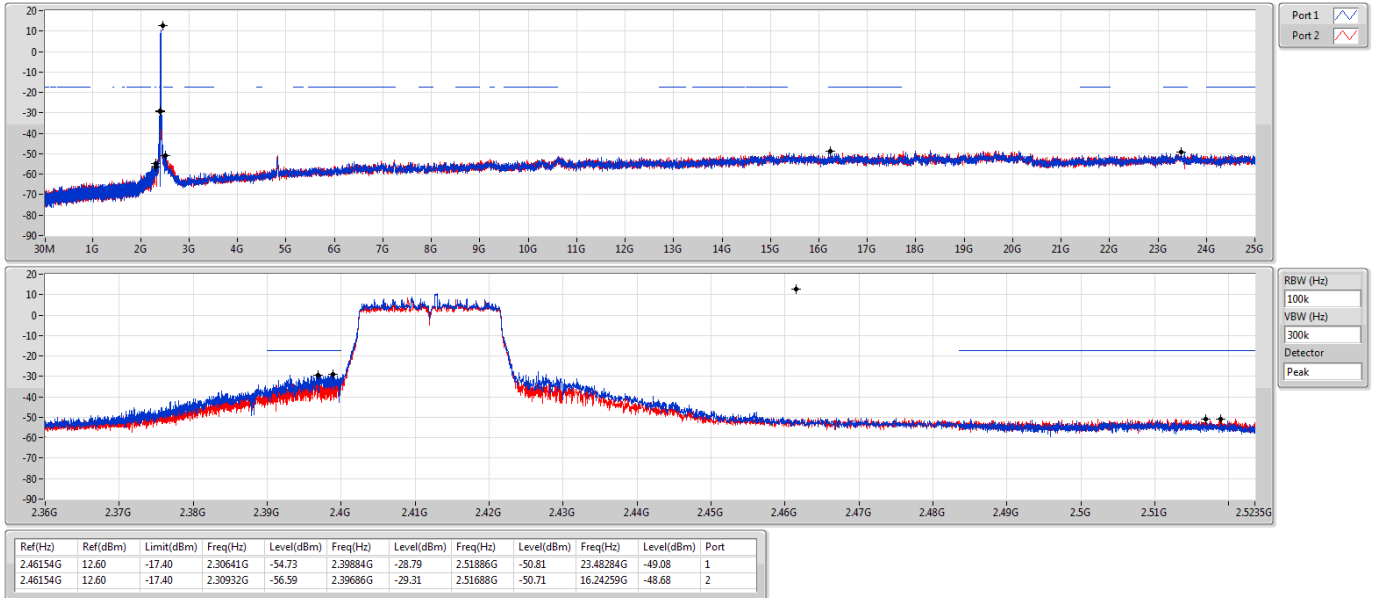
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802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

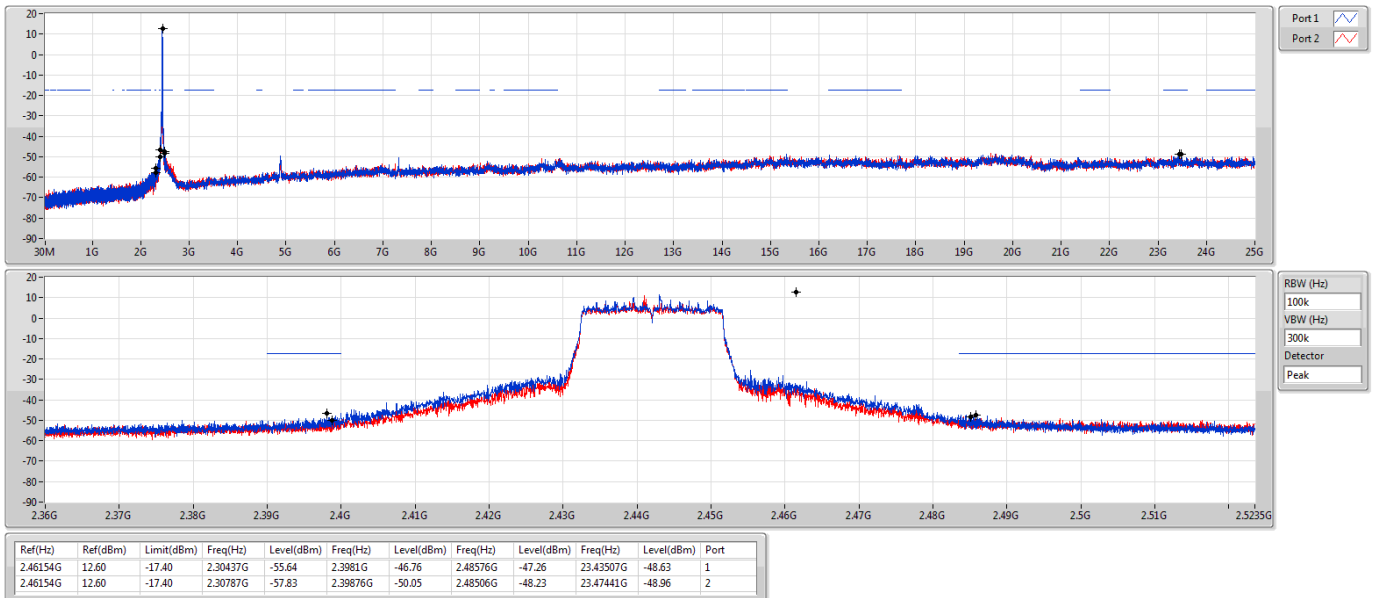
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802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

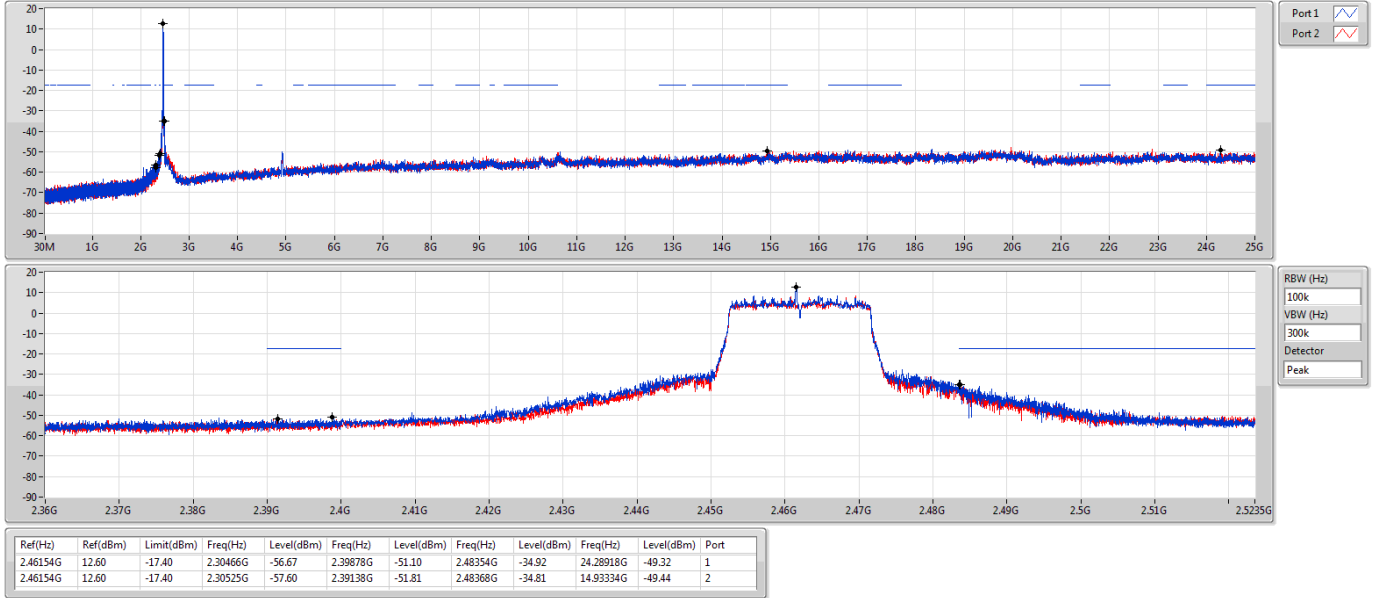
2437MHz



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

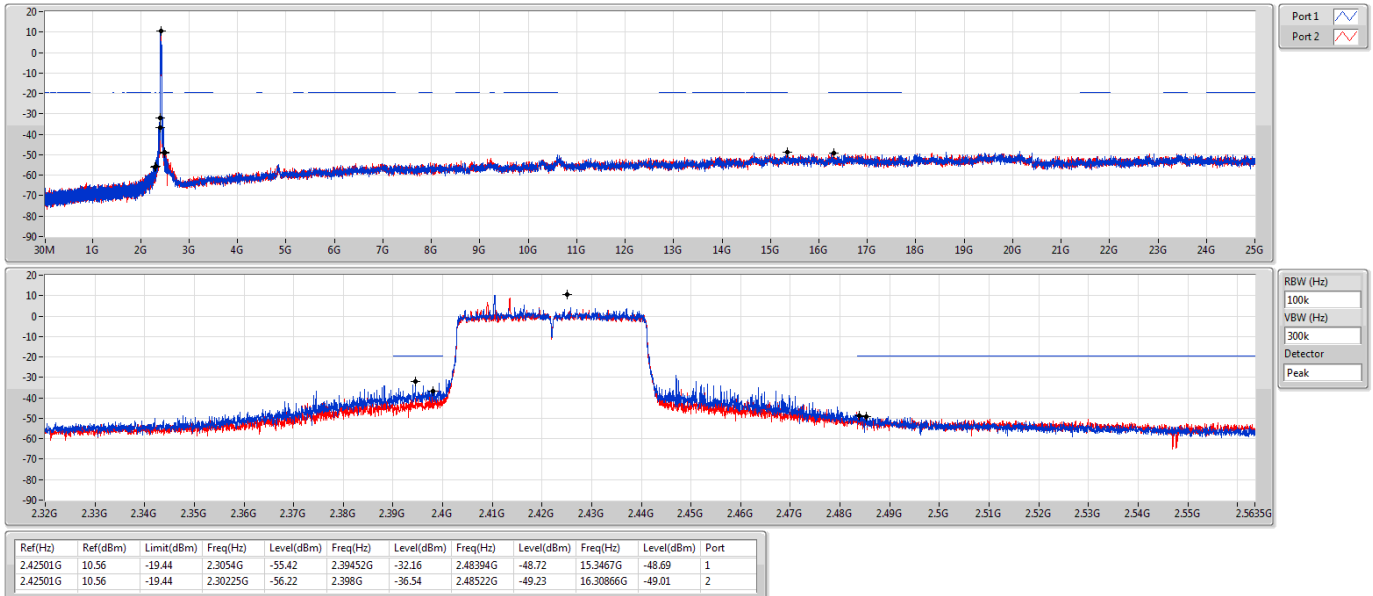
2462MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

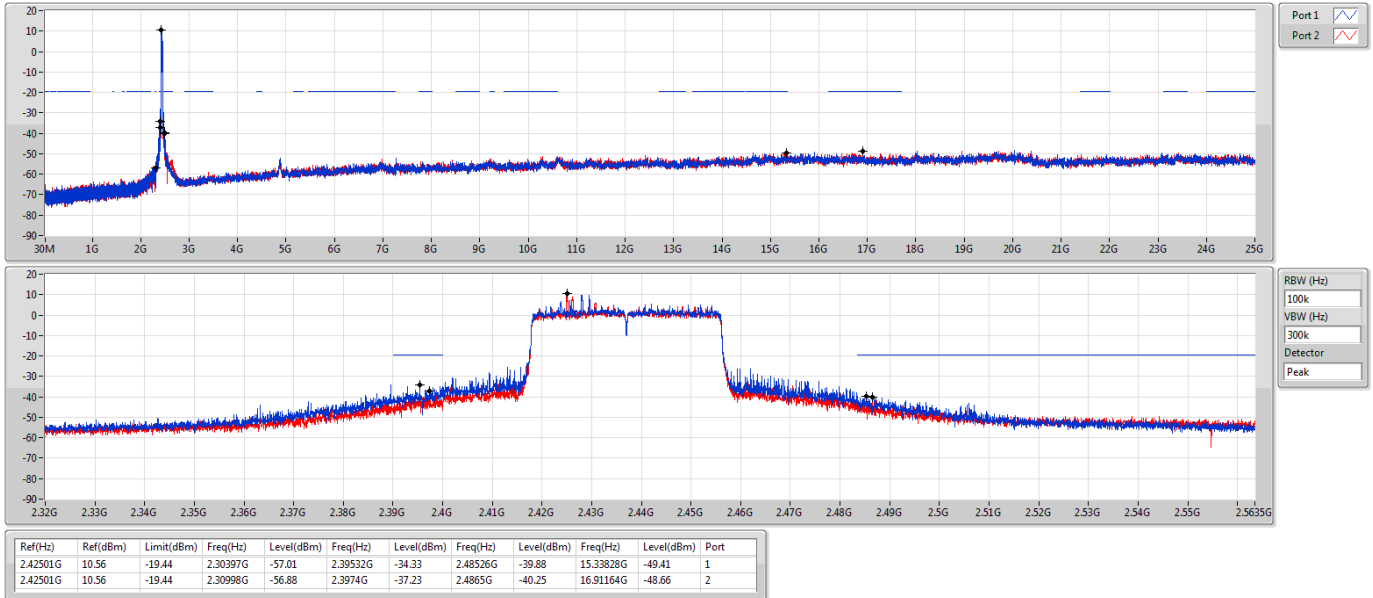
2422MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

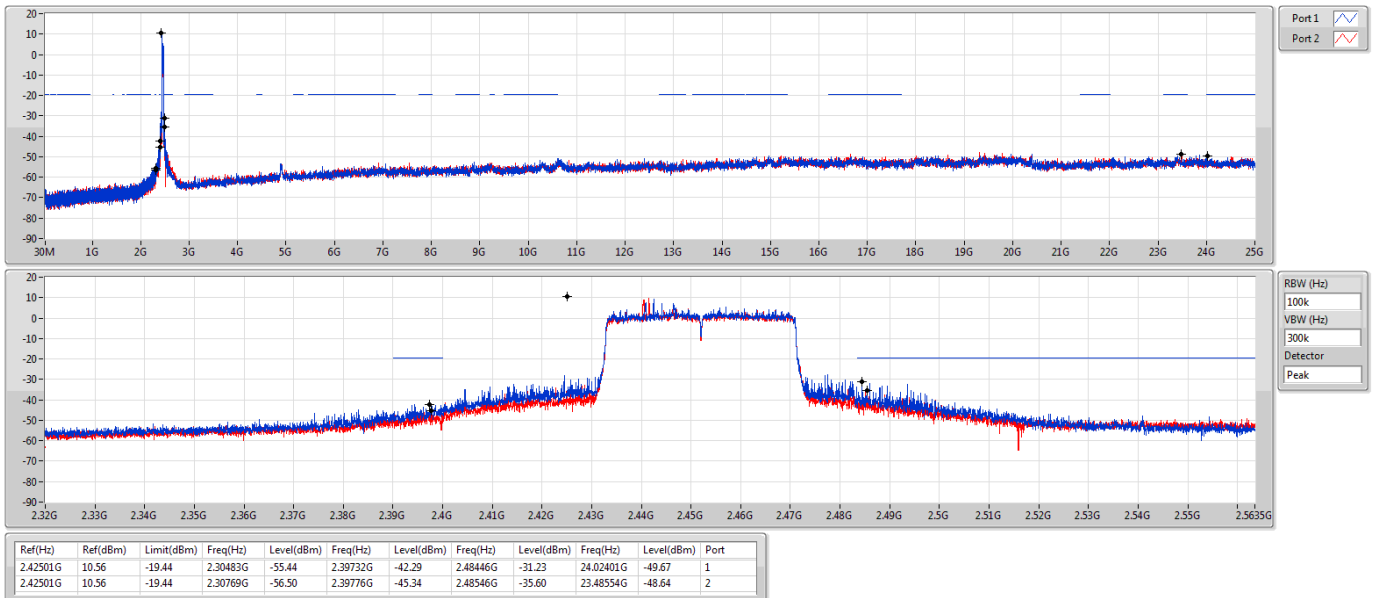
2437MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

2452MHz





**CSE(Non-restricted Band)
Beamforming_Sample 2_Radio 3_Omni**

Appendix E.22

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.43073G	6.51	-23.49	1.96973G	-60.04	2.39968G	-55.39	2.48356G	-36.75	17.05175G	-48.99	1
VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.42948G	2.71	-27.29	2.30912G	-60.12	2.39948G	-39.96	2.48818G	-44.73	16.85275G	-48.72	1
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.442G	6.46	-23.54	2.30816G	-61.25	2.39838G	-55.60	2.48548G	-40.07	16.5095G	-50.16	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.43198G	1.19	-28.81	2.30254G	-59.12	2.39924G	-35.77	2.48474G	-37.71	16.57229G	-50.07	2

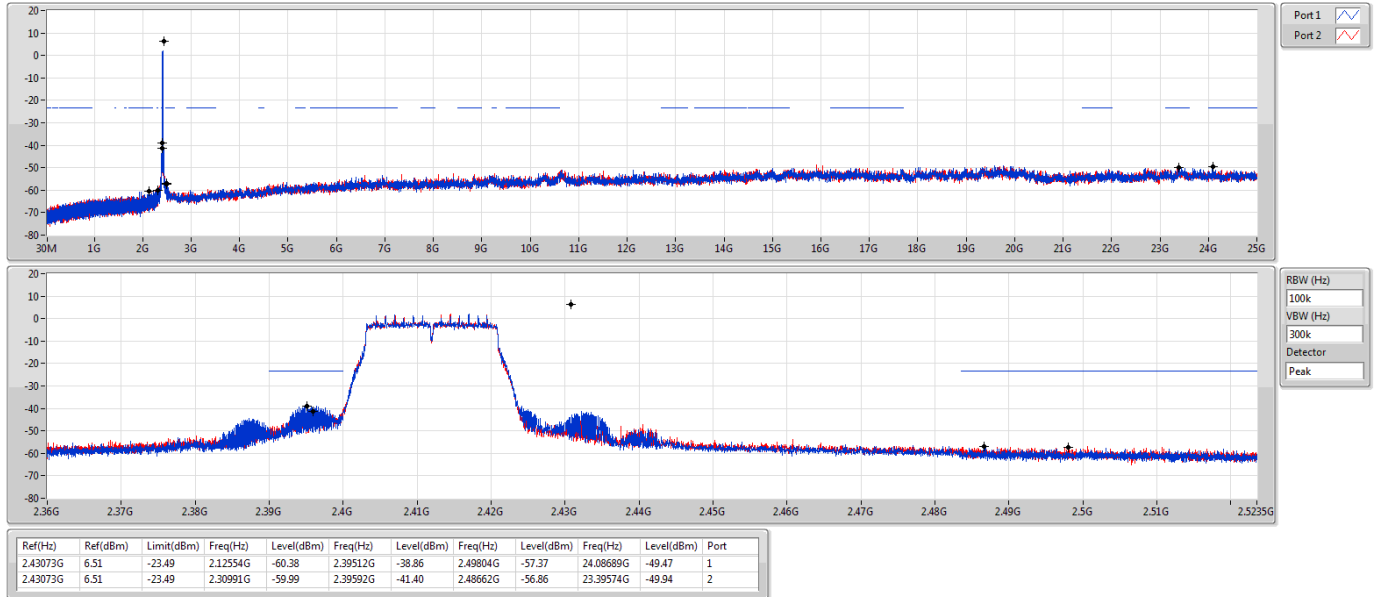
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	6.51	-23.49	2.12554G	-60.38	2.39512G	-38.86	2.49804G	-57.37	24.08689G	-49.47	1
2412MHz	Pass	2.43073G	6.51	-23.49	2.30991G	-59.99	2.39592G	-41.40	2.48662G	-56.86	23.39574G	-49.94	2
2437MHz	Pass	2.43073G	6.51	-23.49	2.30816G	-58.81	2.39888G	-47.06	2.48518G	-45.48	15.32387G	-49.60	1
2437MHz	Pass	2.43073G	6.51	-23.49	2.30816G	-60.11	2.39914G	-46.58	2.48478G	-47.51	16.65279G	-49.57	2
2462MHz	Pass	2.43073G	6.51	-23.49	1.96973G	-60.04	2.39968G	-55.39	2.48356G	-36.75	17.05175G	-48.99	1
2462MHz	Pass	2.43073G	6.51	-23.49	1.96973G	-59.59	2.39924G	-55.67	2.48392G	-39.14	16.84665G	-49.63	2
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42948G	2.71	-27.29	2.30998G	-58.28	2.39988G	-43.63	2.4877G	-54.07	17.10235G	-49.83	1
2422MHz	Pass	2.42948G	2.71	-27.29	2.30254G	-58.69	2.3942G	-44.21	2.4845G	-52.42	23.47151G	-48.99	2
2437MHz	Pass	2.42948G	2.71	-27.29	2.30912G	-60.12	2.39948G	-39.96	2.48818G	-44.73	16.85275G	-48.72	1
2437MHz	Pass	2.42948G	2.71	-27.29	2.30741G	-59.55	2.39708G	-40.21	2.48854G	-43.54	21.95144G	-49.95	2
2452MHz	Pass	2.42948G	2.71	-27.29	2.30512G	-60.29	2.39448G	-49.48	2.48946G	-40.61	16.84153G	-50.21	1
2452MHz	Pass	2.42948G	2.71	-27.29	1.63472G	-59.29	2.3998G	-51.61	2.48574G	-43.10	14.91199G	-49.18	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	6.46	-23.54	2.1503G	-60.99	2.39978G	-40.39	2.49364G	-57.57	17.40013G	-50.06	1
2412MHz	Pass	2.442G	6.46	-23.54	1.92953G	-59.18	2.39482G	-41.18	2.49166G	-56.52	15.33511G	-49.83	2
2437MHz	Pass	2.442G	6.46	-23.54	2.30146G	-60.46	2.3985G	-44.78	2.48392G	-47.78	23.20469G	-49.30	1
2437MHz	Pass	2.442G	6.46	-23.54	2.30495G	-59.94	2.39968G	-45.26	2.48572G	-48.50	23.42103G	-48.80	2
2462MHz	Pass	2.442G	6.46	-23.54	2.30932G	-59.89	2.39968G	-56.32	2.48758G	-42.79	16.6837G	-49.60	1
2462MHz	Pass	2.442G	6.46	-23.54	2.30816G	-61.25	2.39838G	-55.60	2.48548G	-40.07	16.5095G	-50.16	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	1.19	-28.81	2.30597G	-58.72	2.39756G	-42.30	2.4875G	-53.43	17.66046G	-50.06	1
2422MHz	Pass	2.43198G	1.19	-28.81	2.30769G	-58.50	2.39988G	-39.56	2.50078G	-53.34	23.14338G	-50.08	2
2437MHz	Pass	2.43198G	1.19	-28.81	2.30769G	-58.89	2.39868G	-38.49	2.48422G	-38.82	16.68728G	-48.67	1
2437MHz	Pass	2.43198G	1.19	-28.81	2.30254G	-59.12	2.39924G	-35.77	2.48474G	-37.71	16.57229G	-50.07	2
2452MHz	Pass	2.43198G	1.19	-28.81	2.30082G	-60.33	2.39928G	-49.85	2.48818G	-42.46	16.86396G	-50.08	1
2452MHz	Pass	2.43198G	1.19	-28.81	2.30798G	-59.34	2.39572G	-48.49	2.48594G	-40.32	23.4042G	-49.81	2

VHT20-BF_Nss1,(MCS0)_2TX

2412MHz

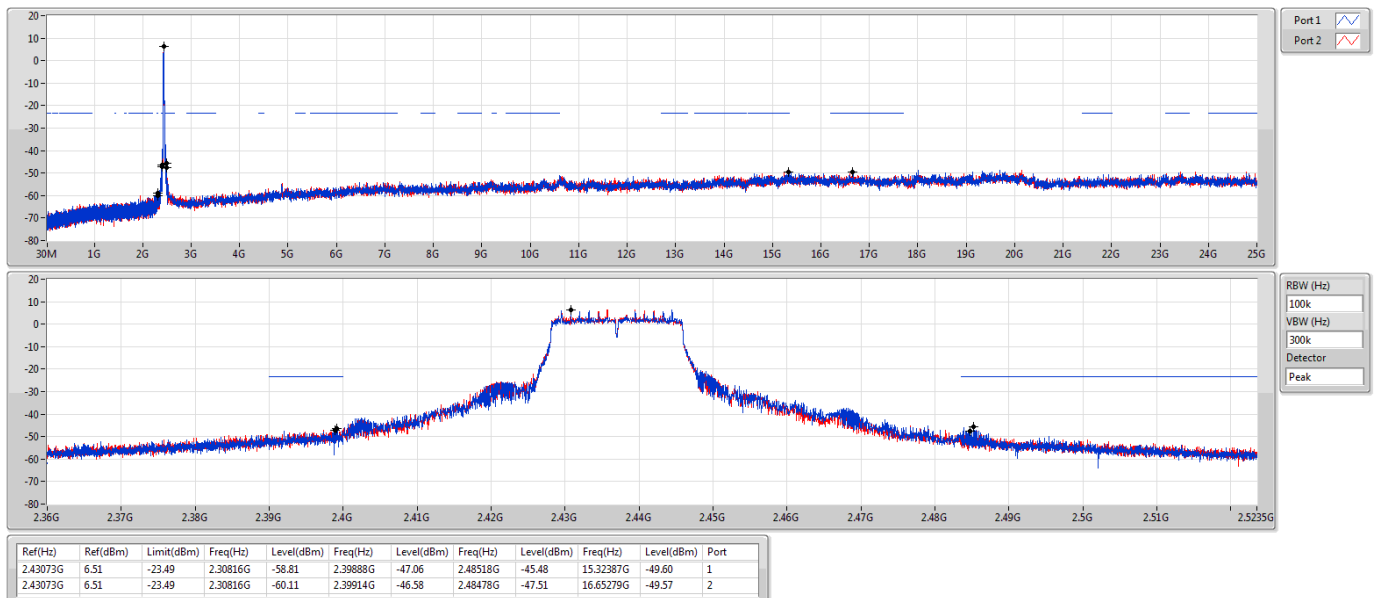
CSE NdB



VHT20-BF_Nss1,(MCS0)_2TX

2437MHz

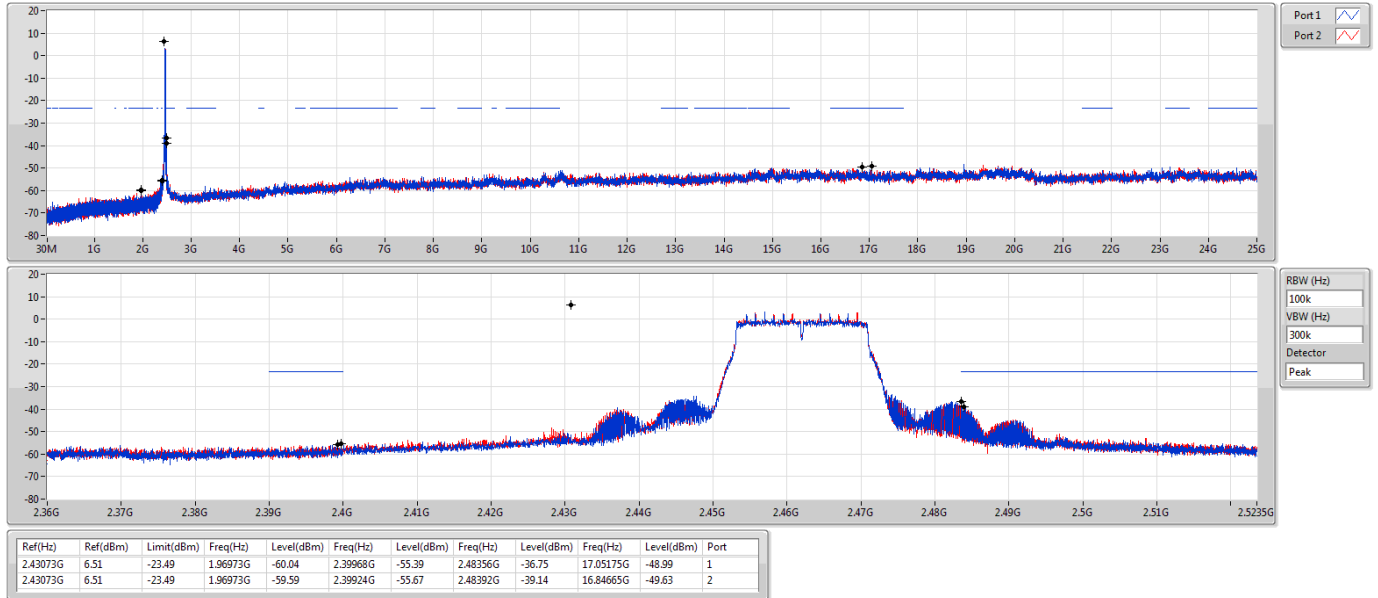
CSE NdB



VHT20-BF_Nss1,(MCS0)_2TX

CSE NdB

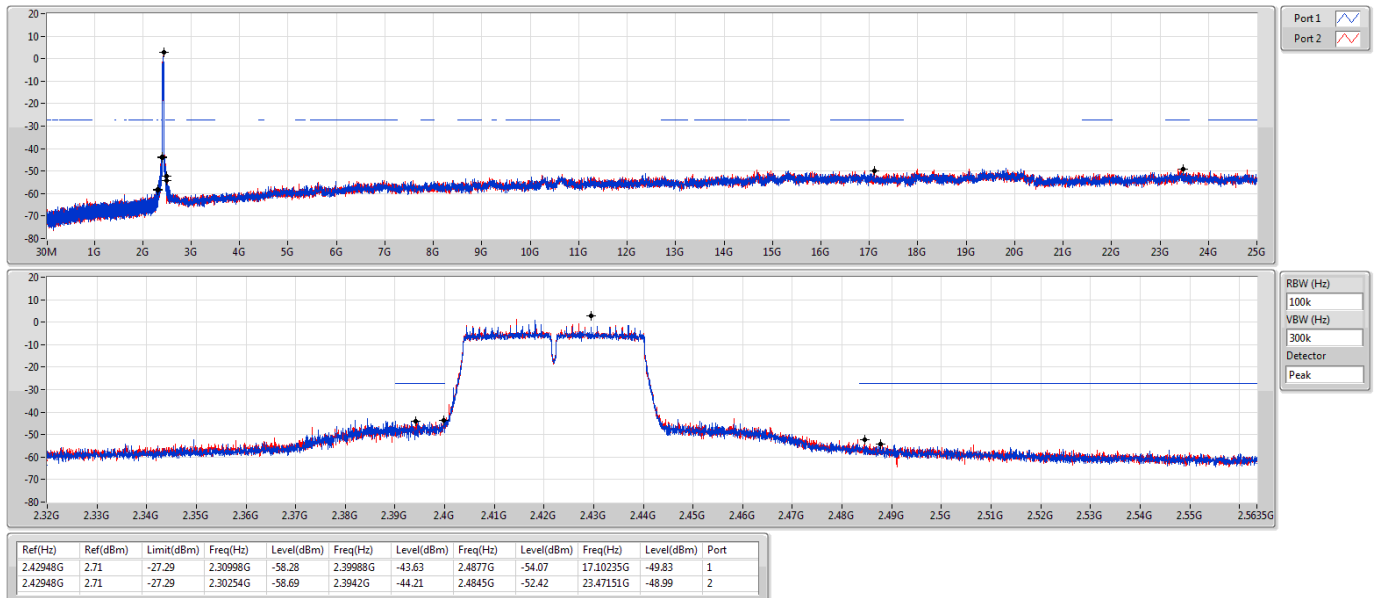
2462MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

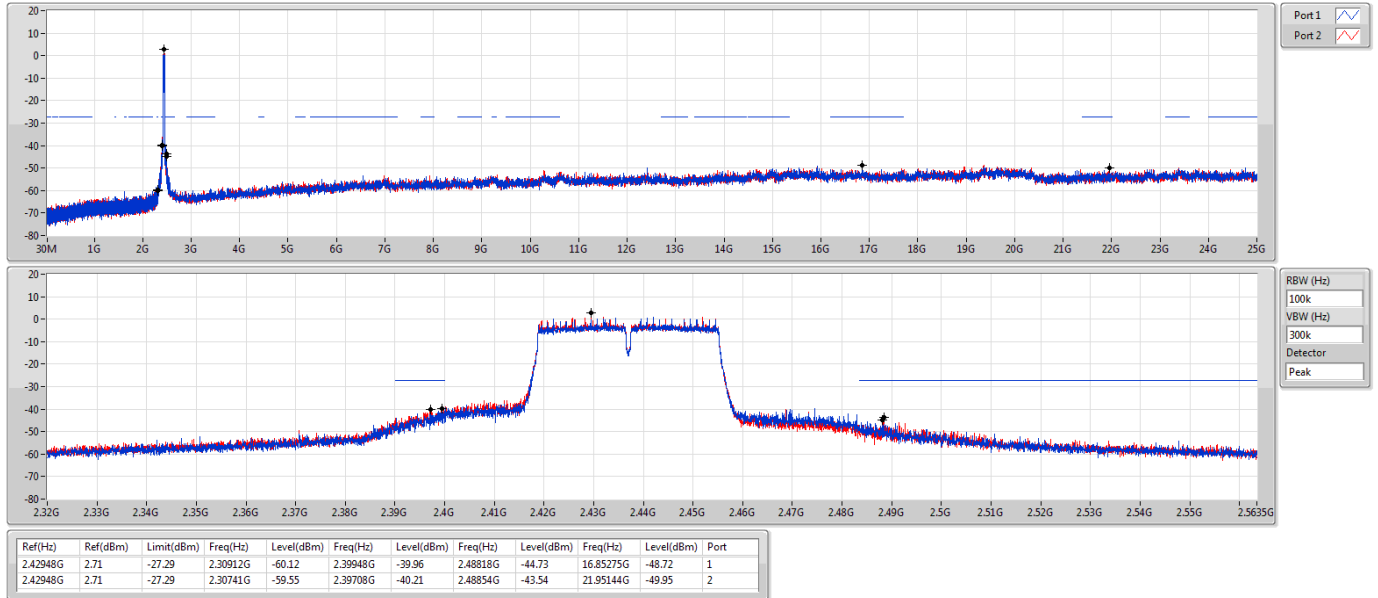
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VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

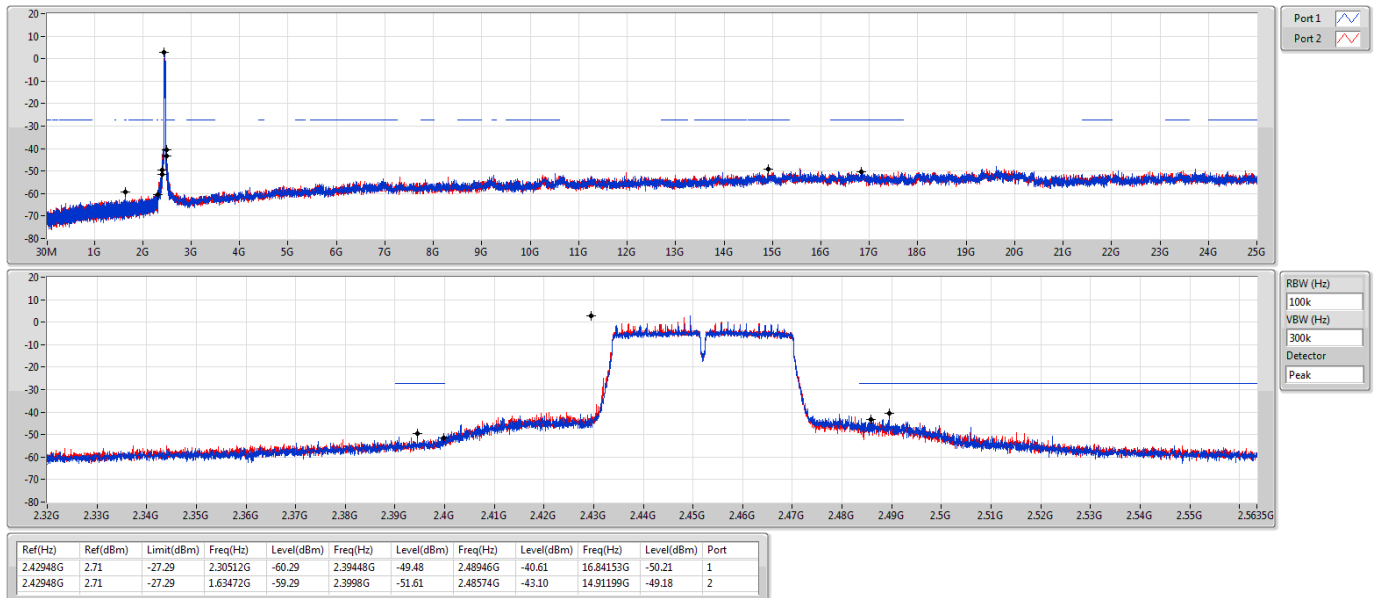
2437MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

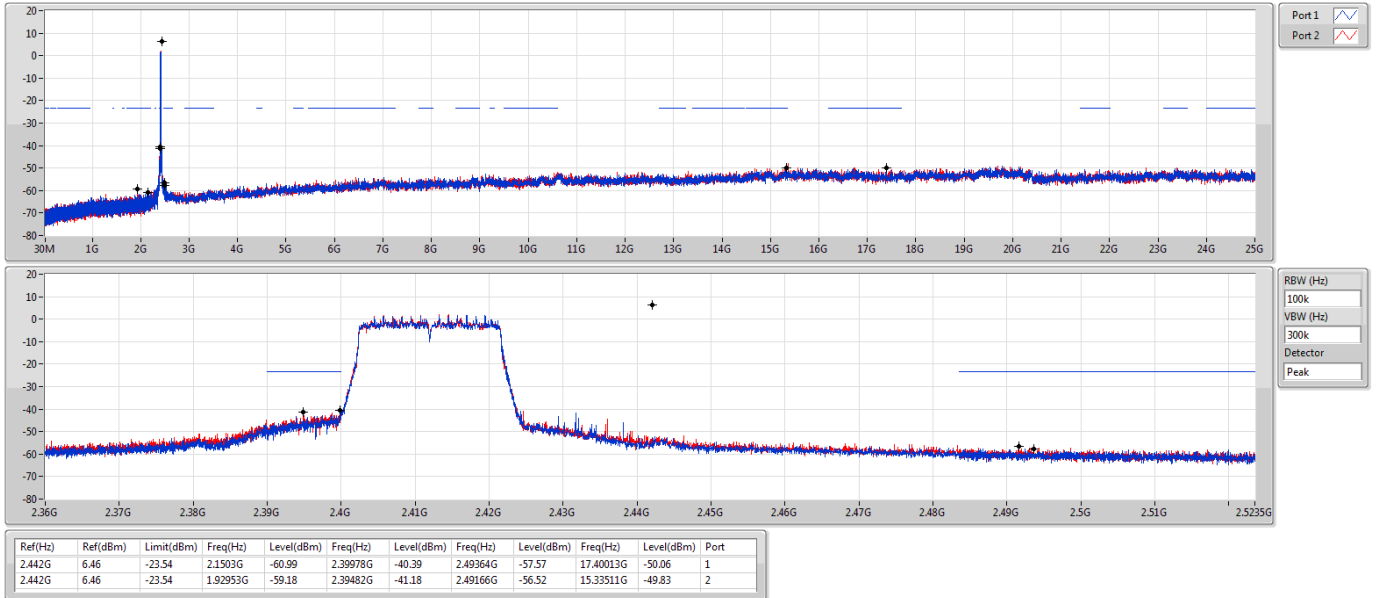
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802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

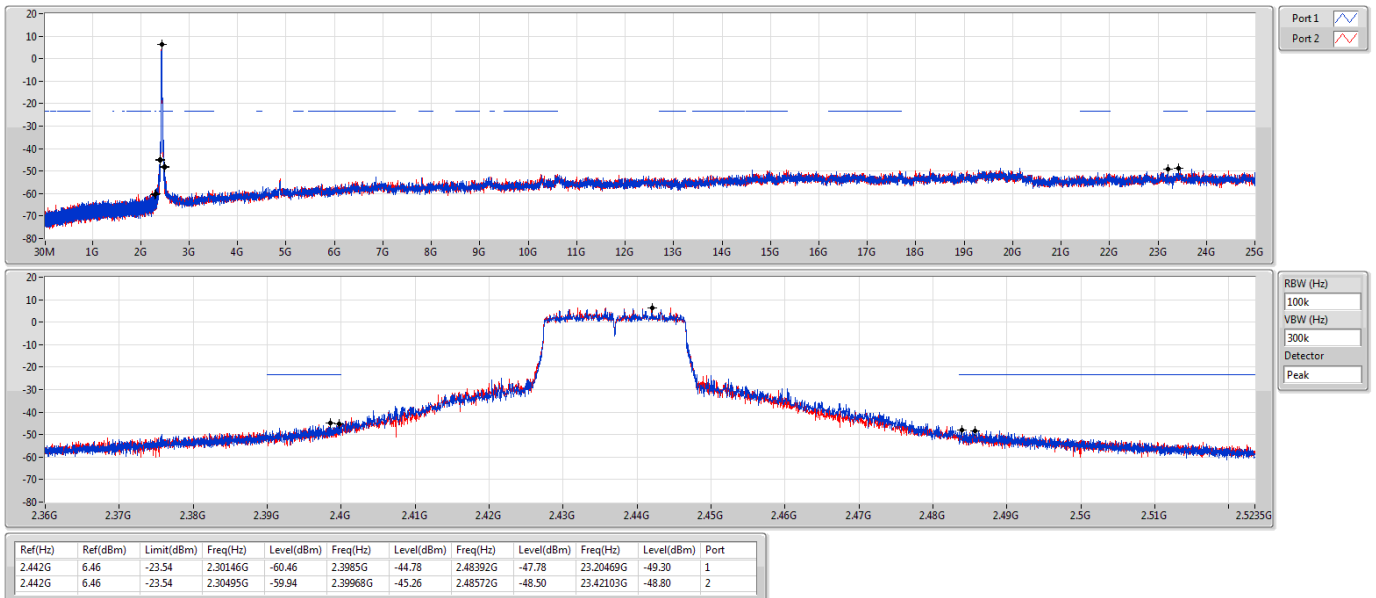
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802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

2437MHz

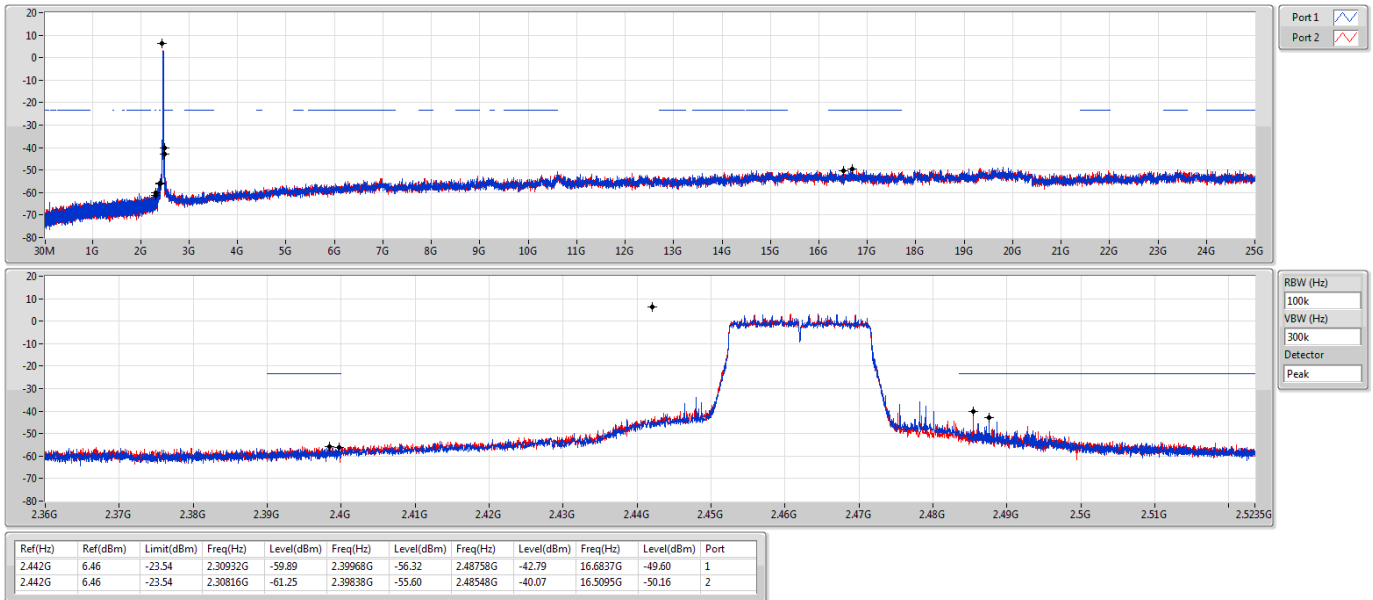


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz

CSE NdB

15/10/2019

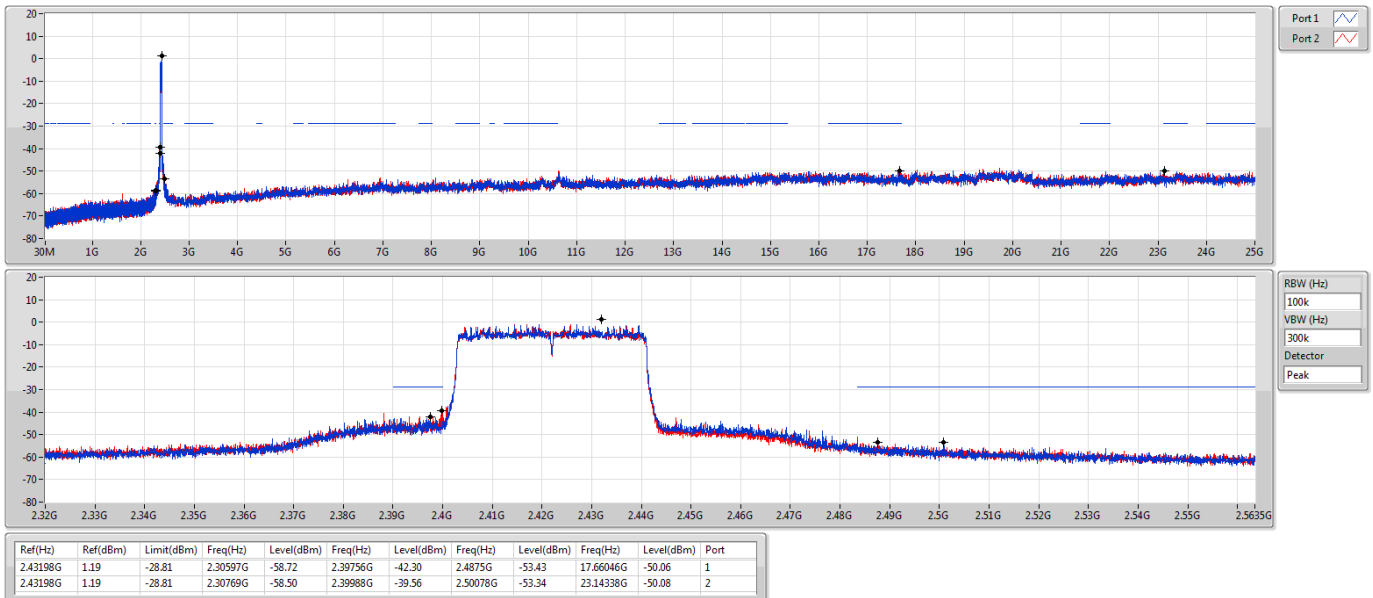


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz

CSE NdB

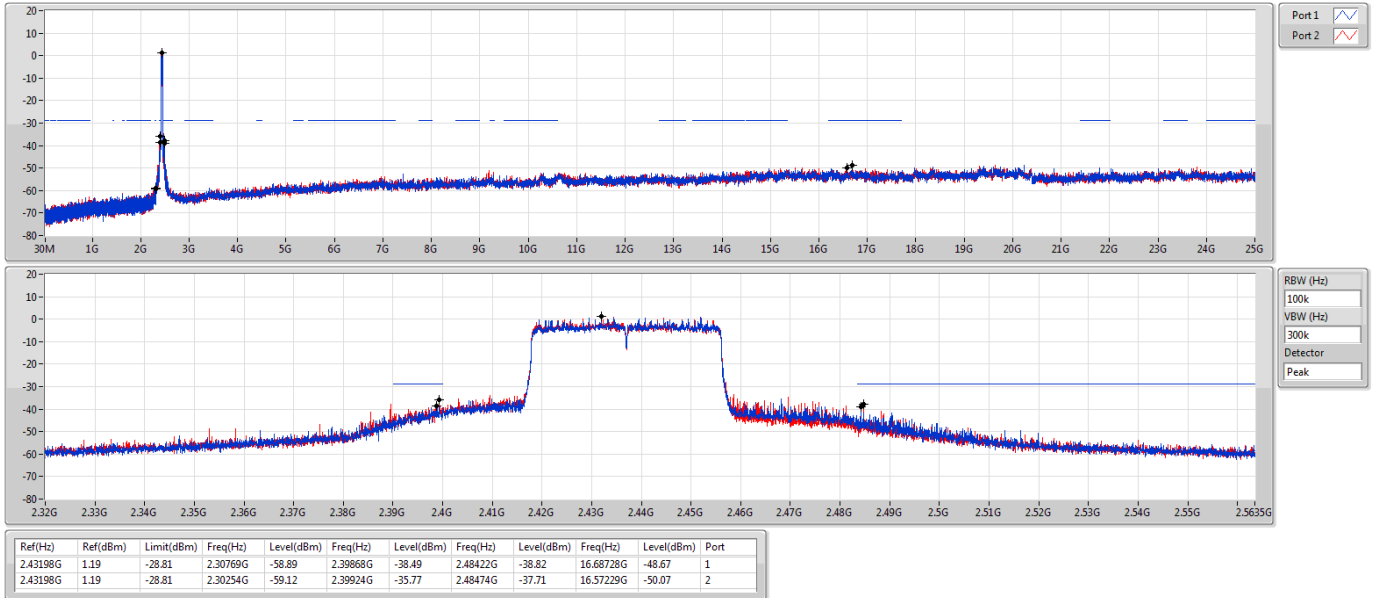
15/10/2019



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

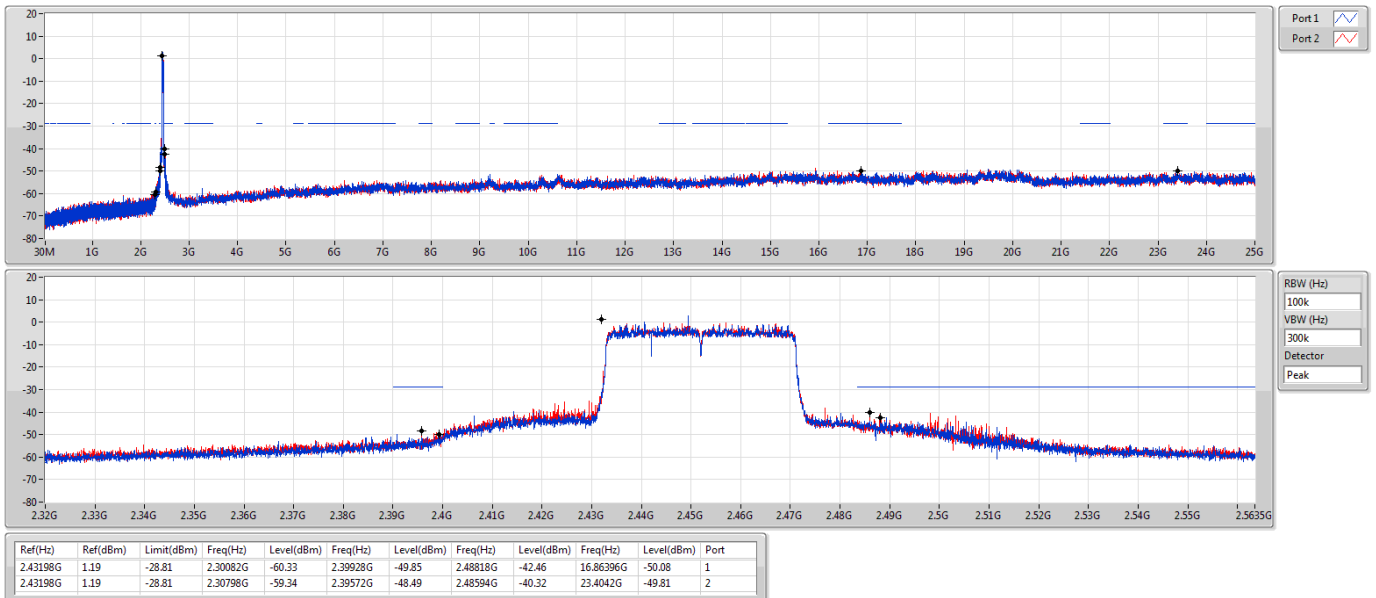
2437MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

2452MHz





**CSE(Non-restricted Band)
Beamforming_Sample 2_Radio 3_Panel 1**

Appendix E.23

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
VHT20-BF_Nss1,(MCS0)_2TX	Pass	2.4395G	5.98	-24.02	2.3G	-60.35	2.39804G	-39.63	2.49394G	-56.20	16.5966G	-49.14	2
VHT40-BF_Nss1,(MCS0)_2TX	Pass	2.42831G	-0.36	-30.36	2.30597G	-58.99	2.39924G	-43.97	2.4849G	-49.96	24.35495G	-49.99	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43073G	5.88	-24.12	2.3G	-60.08	2.39884G	-38.70	2.49394G	-56.65	15.34072G	-49.83	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.43449G	1.79	-28.21	2.30798G	-59.55	2.3992G	-41.70	2.4847G	-46.82	15.26536G	-48.66	2

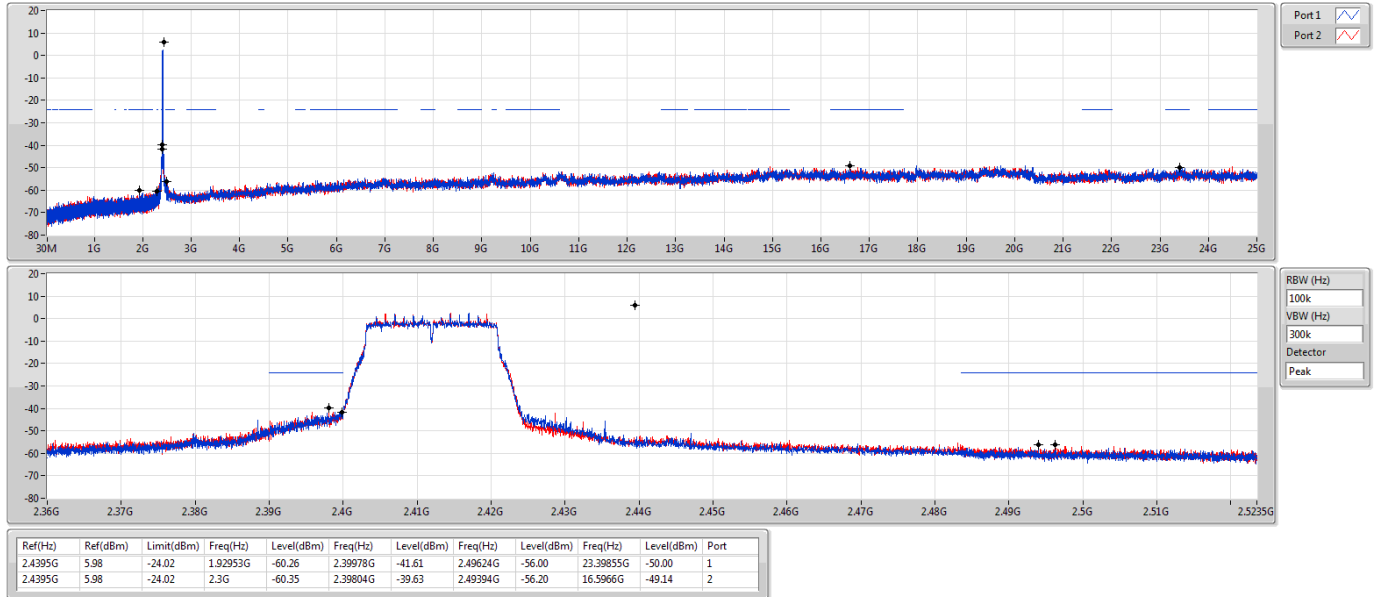
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	5.98	-24.02	1.92953G	-60.26	2.39978G	-41.61	2.49624G	-56.00	23.39855G	-50.00	1
2412MHz	Pass	2.4395G	5.98	-24.02	2.3G	-60.35	2.39804G	-39.63	2.49394G	-56.20	16.5966G	-49.14	2
2437MHz	Pass	2.4395G	5.98	-24.02	1.94963G	-60.03	2.39604G	-47.82	2.48592G	-46.84	17.6839G	-49.70	1
2437MHz	Pass	2.4395G	5.98	-24.02	2.30495G	-59.46	2.39646G	-47.33	2.48568G	-49.73	23.46317G	-49.53	2
2462MHz	Pass	2.4395G	5.98	-24.02	2.16282G	-61.43	2.39208G	-57.88	2.48426G	-53.20	15.27891G	-48.30	1
2462MHz	Pass	2.4395G	5.98	-24.02	1.96973G	-61.11	2.39396G	-57.19	2.49366G	-53.17	23.57836G	-50.25	2
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42831G	-0.36	-30.36	2.30569G	-59.36	2.39892G	-47.10	2.49538G	-55.48	16.86116G	-49.79	1
2422MHz	Pass	2.42831G	-0.36	-30.36	2.30082G	-58.76	2.39768G	-46.49	2.48926G	-56.00	24.52042G	-50.01	2
2437MHz	Pass	2.42831G	-0.36	-30.36	1.6247G	-59.40	2.39952G	-44.45	2.48578G	-49.14	14.98491G	-49.97	1
2437MHz	Pass	2.42831G	-0.36	-30.36	2.30597G	-58.99	2.39924G	-43.97	2.4849G	-49.96	24.35495G	-49.99	2
2452MHz	Pass	2.42831G	-0.36	-30.36	2.10875G	-60.01	2.39792G	-57.17	2.4845G	-50.21	16.74056G	-49.69	1
2452MHz	Pass	2.42831G	-0.36	-30.36	1.63472G	-59.90	2.39328G	-56.67	2.48382G	-51.57	16.76861G	-49.28	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	5.88	-24.12	2.30903G	-60.67	2.39886G	-38.85	2.48752G	-57.27	16.3634G	-48.93	1
2412MHz	Pass	2.43073G	5.88	-24.12	2.3G	-60.08	2.39884G	-38.70	2.49394G	-56.65	15.34072G	-49.83	2
2437MHz	Pass	2.43073G	5.88	-24.12	1.94963G	-60.85	2.39984G	-45.52	2.48452G	-47.92	24.48866G	-49.86	1
2437MHz	Pass	2.43073G	5.88	-24.12	2.3035G	-60.13	2.39988G	-45.79	2.48566G	-48.18	16.66684G	-49.85	2
2462MHz	Pass	2.43073G	5.88	-24.12	1.96973G	-59.95	2.3993G	-57.71	2.48408G	-50.64	23.46879G	-49.60	1
2462MHz	Pass	2.43073G	5.88	-24.12	1.96973G	-59.59	2.3997G	-56.32	2.48438G	-51.54	23.38731G	-50.03	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43449G	1.79	-28.21	2.30912G	-60.62	2.39852G	-46.31	2.48442G	-55.58	14.94003G	-49.76	1
2422MHz	Pass	2.43449G	1.79	-28.21	2.30368G	-60.45	2.39956G	-44.05	2.48626G	-54.03	15.31024G	-49.31	2
2437MHz	Pass	2.43449G	1.79	-28.21	2.3034G	-60.58	2.39952G	-43.06	2.48422G	-48.44	16.5779G	-48.49	1
2437MHz	Pass	2.43449G	1.79	-28.21	2.30798G	-59.55	2.3992G	-41.70	2.4847G	-46.82	15.26536G	-48.66	2
2452MHz	Pass	2.43449G	1.79	-28.21	2.30941G	-59.19	2.39112G	-55.50	2.4857G	-50.85	24.85416G	-49.46	1
2452MHz	Pass	2.43449G	1.79	-28.21	1.63472G	-58.49	2.39676G	-56.58	2.48586G	-52.03	16.85555G	-49.26	2

VHT20-BF_Nss1,(MCS0)_2TX

CSE NdB

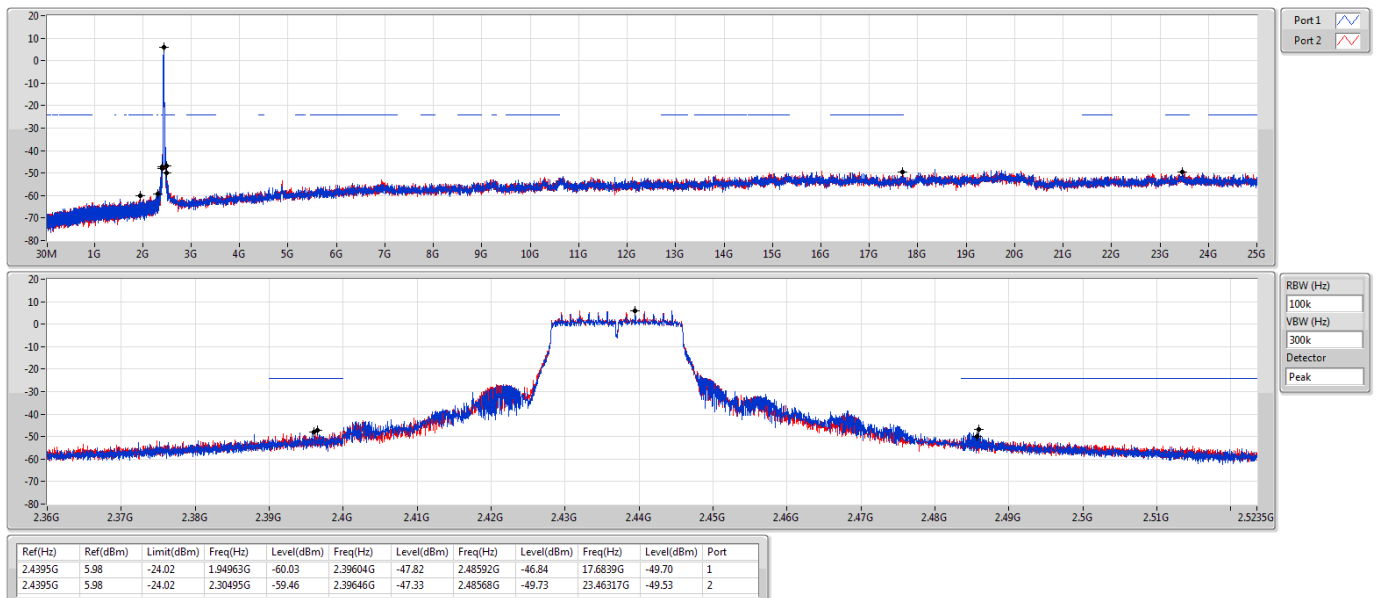
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VHT20-BF_Nss1,(MCS0)_2TX

CSE NdB

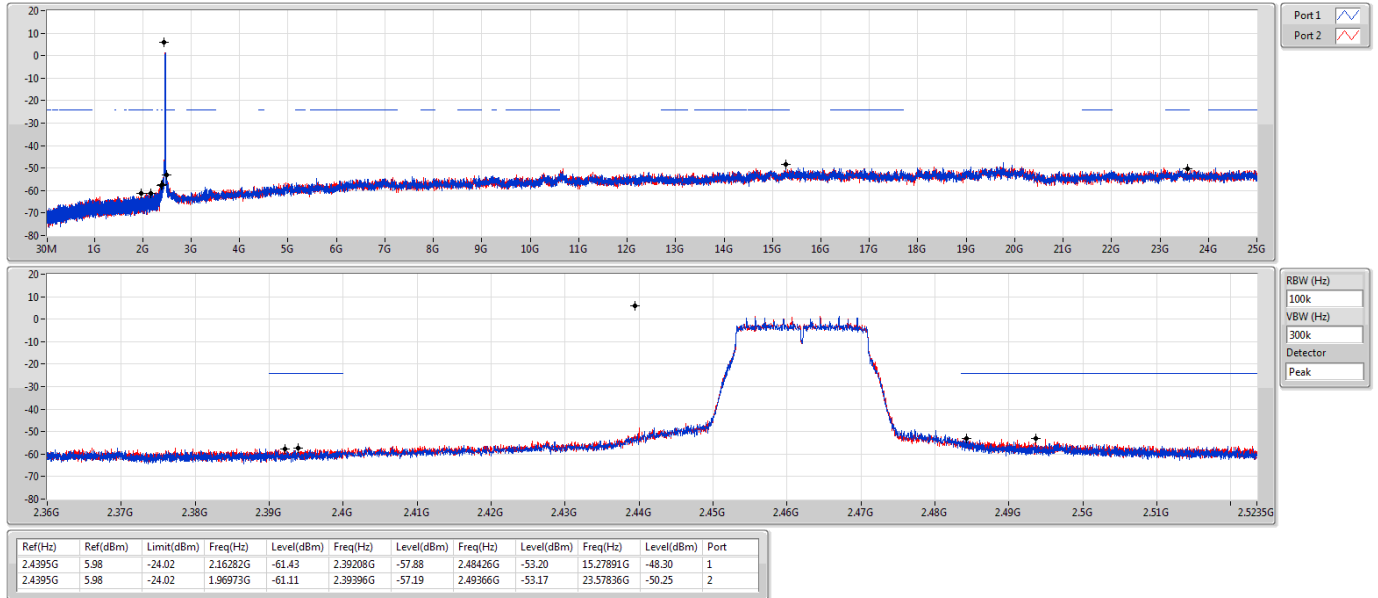
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VHT20-BF_Nss1,(MCS0)_2TX

CSE NdB

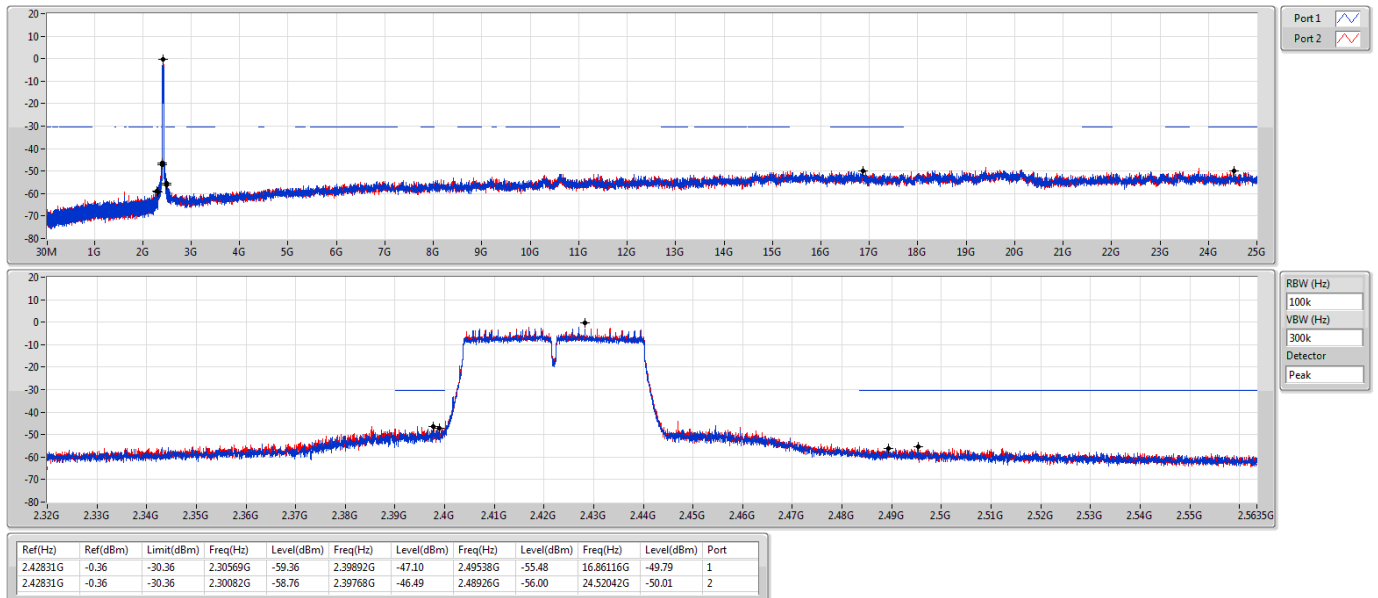
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VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

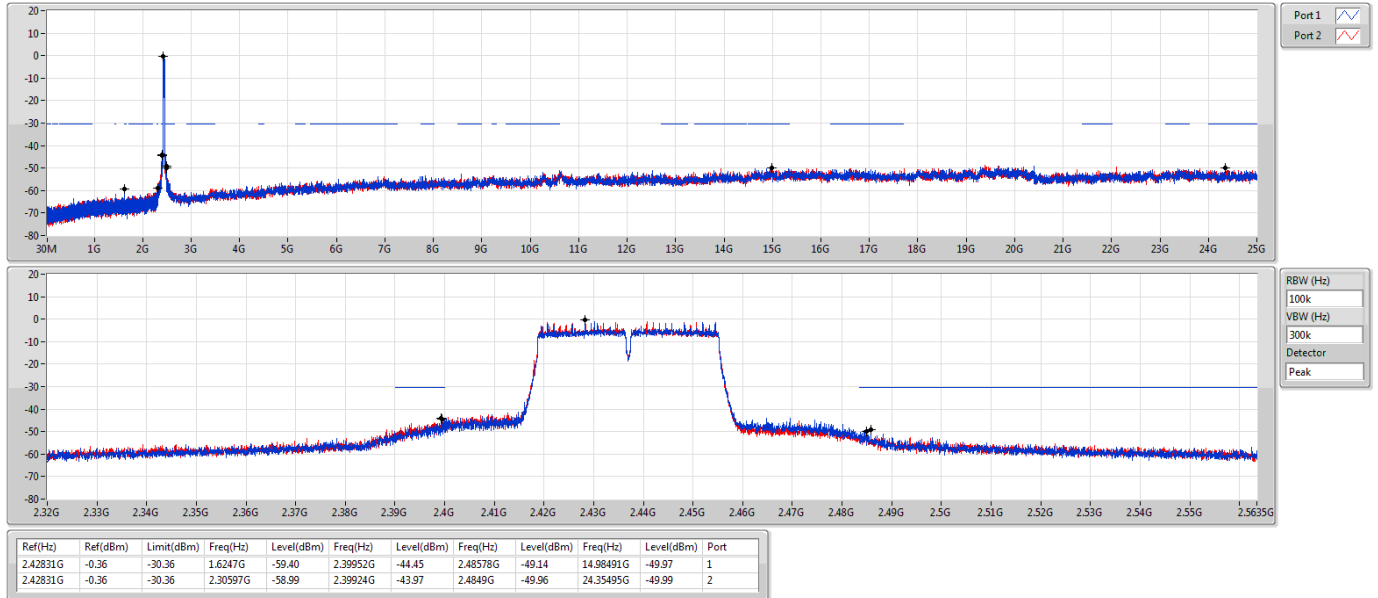
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VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

2437MHz



VHT40-BF_Nss1,(MCS0)_2TX

CSE NdB

2452MHz

