



CSE_Iron R1_Antenna set 10 (Harmonic 1GHz ~ 8GHz)_P to P

Appendix E.8

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5200MHz	Pass	5.11G	5.15G	PK	5.11088G	18.53	-55.47				-55.47	-36.94	-21.20	-15.74
5200MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-56.31				-56.31	-37.78	-21.20	-16.58
5200MHz	Pass	5.35G	5.39G	PK	5.37592G	18.53	-54.18				-54.18	-35.65	-21.20	-14.45
5200MHz	Pass	5.39G	8G	PK	5.56748G	18.53	-54.60				-54.60	-36.07	-27.00	-9.07
5240MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-67.25				-67.25	-48.72	-41.20	-7.52
5240MHz	Pass	5.11G	5.15G	AV	5.11144G	18.53	-70.34				-70.34	-51.81	-41.20	-10.61
5240MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-68.44				-68.44	-49.91	-41.20	-8.71
5240MHz	Pass	5.35G	5.39G	AV	5.37592G	18.53	-62.56				-62.56	-44.03	-41.20	-2.83
5240MHz	Pass	5.39G	8G	AV	5.44024G	18.53	-67.49				-67.49	-48.96	-41.20	-7.76
5240MHz	Pass	1G	5.11G	PK	5.04527G	18.53	-58.45				-58.45	-39.92	-21.20	-18.72
5240MHz	Pass	5.11G	5.15G	PK	5.12072G	18.53	-54.19				-54.19	-35.66	-21.20	-14.46
5240MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-58.41				-58.41	-39.88	-21.20	-18.68
5240MHz	Pass	5.35G	5.39G	PK	5.3608G	18.53	-54.27				-54.27	-35.74	-21.20	-14.54
5240MHz	Pass	5.39G	8G	PK	5.56781G	18.53	-58.04				-58.04	-39.51	-27.00	-12.51
5745MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-63.65				-63.65	-45.12	-41.20	-3.92
5745MHz	Pass	5.89G	8G	AV	7.44797G	18.53	-76.79				-76.79	-58.26	-41.20	-17.06
5745MHz	Pass	1G	5.685G	PK	5.55441G	18.53	-53.81				-53.81	-35.28	-27.00	-8.28
5745MHz	Pass	5.685G	5.725G	PK	5.6854G	18.53	-55.44				-55.44	-36.91	-0.80	-36.11
5745MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-63.09				-63.09	-44.56	27.00	-71.56
5745MHz	Pass	5.85G	5.89G	PK	5.88976G	18.53	-56.89				-56.89	-38.36	-0.92	-37.44
5745MHz	Pass	5.89G	8G	PK	5.94565G	18.53	-54.00				-54.00	-35.47	-27.00	-8.47
5785MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-60.71				-60.71	-42.18	-41.20	-0.98
5785MHz	Pass	5.89G	8G	AV	7.4994G	18.53	-76.31				-76.31	-57.78	-41.20	-16.58
5785MHz	Pass	1G	5.685G	PK	5.59013G	18.53	-51.71				-51.71	-33.18	-27.00	-6.18
5785MHz	Pass	5.685G	5.725G	PK	5.68588G	18.53	-51.92				-51.92	-33.39	-0.45	-32.94
5785MHz	Pass	5.725G	5.85G	PK	5.725G	18.53	-63.68				-63.68	-45.15	27.00	-72.15
5785MHz	Pass	5.85G	5.89G	PK	5.88976G	18.53	-53.23				-53.23	-34.70	-0.92	-33.78
5785MHz	Pass	5.89G	8G	PK	5.95172G	18.53	-50.09				-50.09	-31.56	-27.00	-4.56
5825MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-63.78				-63.78	-45.25	-41.20	-4.05
5825MHz	Pass	5.89G	8G	AV	7.45799G	18.53	-76.74				-76.74	-58.21	-41.20	-17.01
5825MHz	Pass	1G	5.685G	PK	5.63405G	18.53	-52.29				-52.29	-33.76	-27.00	-6.76
5825MHz	Pass	5.685G	5.725G	PK	5.68556G	18.53	-57.42				-57.42	-38.89	-0.69	-38.20
5825MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-62.25				-62.25	-43.72	27.00	-70.72
5825MHz	Pass	5.85G	5.89G	PK	5.89G	18.53	-55.98				-55.98	-37.45	-1.10	-36.35
5825MHz	Pass	5.89G	8G	PK	5.95172G	18.53	-53.12				-53.12	-34.59	-27.00	-7.59
802.11ax HEW40_Nss1.(MCS0)_LTX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	1G	5.07G	AV	4.99216G	18.53	-66.61				-66.61	-48.08	-41.20	-6.88
5190MHz	Pass	5.07G	5.15G	AV	5.0908G	18.53	-69.14				-69.14	-50.61	-41.20	-9.41
5190MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-67.18				-67.18	-48.65	-41.20	-7.45
5190MHz	Pass	5.35G	5.43G	AV	5.37592G	18.53	-63.17				-63.17	-44.64	-41.20	-3.44
5190MHz	Pass	5.43G	8G	AV	5.43932G	18.53	-70.42				-70.42	-51.89	-41.20	-10.69
5190MHz	Pass	1G	5.07G	PK	5.06491G	18.53	-60.26				-60.26	-41.73	-21.20	-20.53
5190MHz	Pass	5.07G	5.15G	PK	5.07064G	18.53	-47.25				-47.25	-28.72	-21.20	-7.52
5190MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-59.23				-59.23	-40.70	-21.20	-19.50
5190MHz	Pass	5.35G	5.43G	PK	5.37576G	18.53	-56.52				-56.52	-37.99	-21.20	-16.79
5190MHz	Pass	5.43G	8G	PK	5.55689G	18.53	-57.48				-57.48	-38.95	-27.00	-11.95
5230MHz	Pass	1G	5.07G	AV	4.99216G	18.53	-66.46				-66.46	-47.93	-41.20	-6.73
5230MHz	Pass	5.07G	5.15G	AV	5.0996G	18.53	-68.38				-68.38	-49.85	-41.20	-8.65
5230MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-67.43				-67.43	-48.90	-41.20	-7.70
5230MHz	Pass	5.35G	5.43G	AV	5.37592G	18.53	-62.62				-62.62	-44.09	-41.20	-2.89
5230MHz	Pass	5.43G	8G	AV	5.4406G	18.53	-68.12				-68.12	-49.59	-41.20	-8.39
5230MHz	Pass	1G	5.07G	PK	5.04507G	18.53	-57.94				-57.94	-39.41	-21.20	-18.21
5230MHz	Pass	5.07G	5.15G	PK	5.11G	18.53	-46.83				-46.83	-28.30	-21.20	-7.10
5230MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-47.17				-47.17	-28.64	-21.20	-7.44
5230MHz	Pass	5.35G	5.43G	PK	5.35064G	18.53	-47.47				-47.47	-28.94	-21.20	-7.74
5230MHz	Pass	5.43G	8G	PK	5.56782G	18.53	-57.86				-57.86	-39.33	-27.00	-12.33
5755MHz	Pass	1G	5.645G	AV	5.37617G	18.53	-66.88				-66.88	-48.35	-41.20	-7.15
5755MHz	Pass	5.93G	8G	AV	7.48742G	18.53	-76.94				-76.94	-58.41	-41.20	-17.21
5755MHz	Pass	1G	5.645G	PK	5.57184G	18.53	-58.81				-58.81	-40.28	-27.00	-13.28
5755MHz	Pass	5.645G	5.725G	PK	5.64564G	18.53	-57.81				-57.81	-39.28	-27.00	-12.28
5755MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-63.03				-63.03	-44.50	27.00	-71.50
5755MHz	Pass	5.85G	5.93G	PK	5.92968G	18.53	-58.95				-58.95	-40.42	-27.00	-13.42
5755MHz	Pass	5.93G	8G	PK	5.95174G	18.53	-57.52				-57.52	-38.99	-27.00	-11.99
5795MHz	Pass	1G	5.645G	AV	5.37617G	18.53	-63.83				-63.83	-45.30	-41.20	-4.10
5795MHz	Pass	5.93G	8G	AV	7.49621G	18.53	-76.59				-76.59	-58.06	-41.20	-16.86
5795MHz	Pass	1G	5.645G	PK	5.59913G	18.53	-53.13				-53.13	-34.60	-27.00	-7.60
5795MHz	Pass	5.645G	5.725G	PK	5.6474G	18.53	-54.11				-54.11	-35.58	-27.00	-8.58
5795MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-63.17				-63.17	-44.64	27.00	-71.64
5795MHz	Pass	5.85G	5.93G	PK	5.91592G	18.53	-42.85				-42.85	-24.32	-20.28	-4.04
5795MHz	Pass	5.93G	8G	PK	5.95174G	18.53	-52.58				-52.58	-34.05	-27.00	-7.05



CSE_Iron R1_Antenna set 10 (Harmonic 1GHz ~ 8GHz)_P to P

Appendix E.8

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	1G	4.99G	AV	4.9885G	18.53	-72.24				-72.24	-53.71	-41.20	-12.51
5210MHz	Pass	4.99G	5.15G	AV	4.99192G	18.53	-66.48				-66.48	-47.95	-41.20	-6.75
5210MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-67.67				-67.67	-49.14	-41.20	-7.94
5210MHz	Pass	5.35G	5.51G	AV	5.37592G	18.53	-62.96				-62.96	-44.43	-41.20	-3.23
5210MHz	Pass	5.51G	8G	AV	7.47337G	18.53	-77.09				-77.09	-58.56	-41.20	-17.36
5210MHz	Pass	1G	4.99G	PK	1.2798G	18.53	-68.03				-68.03	-49.50	-27.00	-22.50
5210MHz	Pass	4.99G	5.15G	PK	5.09048G	18.53	-45.60				-45.60	-27.07	-21.20	-5.87
5210MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-57.94				-57.94	-39.41	-21.20	-18.21
5210MHz	Pass	5.35G	5.51G	PK	5.46584G	18.53	-58.93				-58.93	-40.40	-27.00	-13.40
5210MHz	Pass	5.51G	8G	PK	5.56789G	18.53	-57.18				-57.18	-38.65	-27.00	-11.65
5775MHz	Pass	1G	5.565G	AV	5.37612G	18.53	-66.47				-66.47	-47.94	-41.20	-6.74
5775MHz	Pass	6.01G	8G	AV	7.44479G	18.53	-76.47				-76.47	-57.94	-41.20	-16.74
5775MHz	Pass	1G	5.565G	PK	5.54674G	18.53	-57.85				-57.85	-39.32	-27.00	-12.32
5775MHz	Pass	5.565G	5.725G	PK	5.6546G	18.53	-44.27				-44.27	-25.74	-23.60	-2.14
5775MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-62.43				-62.43	-43.90	-27.00	-70.90
5775MHz	Pass	5.85G	6.01G	PK	5.92552G	18.53	-51.53				-51.53	-33.00	-27.00	-6.00
5775MHz	Pass	6.01G	8G	PK	6.01896G	18.53	-59.94				-59.94	-41.41	-27.00	-14.41
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-66.98	-71.05			-65.54	-47.01	-41.20	-5.81
5180MHz	Pass	5.11G	5.15G	AV	5.1124G	18.53	-70.65	-71.01			-67.82	-49.29	-41.20	-8.09
5180MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-68.87	-68.36			-65.60	-47.07	-41.20	-5.87
5180MHz	Pass	5.35G	5.39G	AV	5.37592G	18.53	-63.01	-66.88			-61.52	-42.99	-41.20	-1.79
5180MHz	Pass	5.39G	8G	AV	5.39587G	18.53	-72.59	-69.66			-67.87	-49.34	-41.20	-8.14
5180MHz	Pass	1G	5.11G	PK	5.08226G	18.53	-62.18	-61.77			-58.96	-40.43	-21.20	-19.23
5180MHz	Pass	5.11G	5.15G	PK	5.11536G	18.53	-61.62	-60.19			-57.84	-39.31	-21.20	-18.11
5180MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-59.48	-57.63			-55.45	-36.92	-21.20	-15.72
5180MHz	Pass	5.35G	5.39G	PK	5.37592G	18.53	-57.42	-56.79			-54.08	-35.55	-21.20	-14.35
5180MHz	Pass	5.39G	8G	PK	5.56813G	18.53	-57.85	-60.58			-55.99	-37.46	-27.00	-10.46
5200MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-67.34	-71.44			-65.91	-47.38	-41.20	-6.18
5200MHz	Pass	5.11G	5.15G	AV	5.11064G	18.53	-71.20	-67.81			-66.17	-47.64	-41.20	-6.44
5200MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-69.56	-65.97			-64.39	-45.86	-41.20	-4.66
5200MHz	Pass	5.35G	5.39G	AV	5.376G	18.53	-62.60	-66.45			-61.10	-42.57	-41.20	-1.37
5200MHz	Pass	5.39G	8G	AV	5.39424G	18.53	-70.28	-65.69			-64.39	-45.86	-41.20	-4.66
5200MHz	Pass	1G	5.11G	PK	2.42566G	18.53	-72.32	-59.91			-59.67	-41.14	-27.00	-14.14
5200MHz	Pass	5.11G	5.15G	PK	5.11112G	18.53	-62.12	-57.53			-56.23	-37.70	-21.20	-16.50
5200MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-58.15	-56.60			-53.68	-35.15	-21.20	-13.95
5200MHz	Pass	5.35G	5.39G	PK	5.3888G	18.53	-61.57	-54.09			-53.38	-34.85	-21.20	-13.65
5200MHz	Pass	5.39G	8G	PK	5.56748G	18.53	-58.68	-58.05			-55.34	-36.81	-27.00	-9.81
5240MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-65.89	-71.75			-64.89	-46.36	-41.20	-5.16
5240MHz	Pass	5.11G	5.15G	AV	5.11344G	18.53	-71.24	-69.59			-67.33	-48.80	-41.20	-7.60
5240MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-68.42	-66.19			-64.15	-45.62	-41.20	-4.42
5240MHz	Pass	5.35G	5.39G	AV	5.376G	18.53	-62.64	-66.54			-61.16	-42.63	-41.20	-1.43
5240MHz	Pass	5.39G	8G	AV	5.42556G	18.53	-70.16	-65.53			-64.24	-45.71	-41.20	-4.51
5240MHz	Pass	1G	5.11G	PK	5.04835G	18.53	-59.69	-61.16			-57.35	-38.82	-21.20	-17.62
5240MHz	Pass	5.11G	5.15G	PK	5.11936G	18.53	-53.93	-60.69			-53.10	-34.57	-21.20	-13.37
5240MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-58.19	-56.93			-53.90	-35.37	-21.20	-14.17
5240MHz	Pass	5.35G	5.39G	PK	5.36112G	18.53	-52.97	-57.05			-51.54	-33.01	-21.20	-11.81
5240MHz	Pass	5.39G	8G	PK	5.56715G	18.53	-57.24	-57.73			-54.47	-35.94	-27.00	-8.94
5745MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-66.56	-70.53			-65.10	-46.57	-41.20	-5.37
5745MHz	Pass	5.89G	8G	AV	7.47883G	18.53	-77.00	-77.44			-74.20	-55.67	-41.20	-14.47
5745MHz	Pass	1G	5.685G	PK	5.55733G	18.53	-62.05	-58.55			-56.95	-38.42	-27.00	-11.42
5745MHz	Pass	5.685G	5.725G	PK	5.6858G	18.53	-61.54	-60.68			-58.08	-39.55	-0.51	-39.04
5745MHz	Pass	5.725G	5.85G	PK	5.725G	18.53	-63.58	-63.75			-60.65	-42.12	-27.00	-69.12
5745MHz	Pass	5.85G	5.89G	PK	5.88968G	18.53	-61.02	-61.92			-58.44	-39.91	-0.86	-39.05
5745MHz	Pass	5.89G	8G	PK	5.93167G	18.53	-60.52	-59.62			-57.04	-38.51	-27.00	-11.51
5785MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-64.28	-67.42			-62.56	-44.03	-41.20	-2.83
5785MHz	Pass	5.89G	8G	AV	7.49835G	18.53	-77.55	-76.83			-74.16	-56.63	-41.20	-14.43
5785MHz	Pass	1G	5.685G	PK	5.58954G	18.53	-56.64	-54.78			-52.60	-34.07	-27.00	-7.07
5785MHz	Pass	5.685G	5.725G	PK	5.68508G	18.53	-57.95	-55.09			-53.28	-34.75	-1.04	-33.71
5785MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-63.59	-63.29			-60.43	-41.90	-27.00	-68.90
5785MHz	Pass	5.85G	5.89G	PK	5.88904G	18.53	-56.64	-56.69			-53.65	-35.12	-0.39	-34.73
5785MHz	Pass	5.89G	8G	PK	5.95172G	18.53	-55.06	-59.81			-53.81	-35.28	-27.00	-8.28
5825MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-66.44	-67.64			-63.99	-45.46	-41.20	-4.26
5825MHz	Pass	5.89G	8G	AV	7.48833G	18.53	-77.23	-77.16			-74.18	-55.65	-41.20	-14.45
5825MHz	Pass	1G	5.685G	PK	5.63112G	18.53	-57.74	-55.41			-53.41	-34.88	-27.00	-7.88
5825MHz	Pass	5.685G	5.725G	PK	5.68508G	18.53	-60.22	-57.88			-55.88	-37.35	-1.04	-36.31
5825MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-62.51	-63.16			-59.81	-41.28	-27.00	-68.28
5825MHz	Pass	5.85G	5.89G	PK	5.88864G	18.53	-61.05	-55.27			-54.25	-35.72	-0.09	-35.63
5825MHz	Pass	5.89G	8G	PK	5.94539G	18.53	-55.51	-58.55			-53.76	-35.23	-27.00	-8.23



CSE_Iron R1_Antenna set 10 (Harmonic 1GHz ~ 8GHz)_P to P

Appendix E.8

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-66.78	-68.57			-64.57	-46.04	-41.20	-4.84
5180MHz	Pass	5.11G	5.15G	AV	5.11096G	18.53	-71.41	-67.29			-65.87	-47.34	-41.20	-6.14
5180MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-68.71	-65.59			-63.87	-45.34	-41.20	-4.14
5180MHz	Pass	5.35G	5.39G	AV	5.376G	18.53	-62.94	-64.86			-60.78	-42.25	-41.20	-1.05
5180MHz	Pass	5.39G	8G	AV	5.41708G	18.53	-71.70	-66.27			-65.18	-46.65	-41.20	-5.45
5180MHz	Pass	1G	5.11G	PK	5.09253G	18.53	-63.92	-57.14			-56.31	-37.78	-21.20	-16.58
5180MHz	Pass	5.11G	5.15G	PK	5.11808G	18.53	-61.84	-55.81			-54.84	-36.31	-21.20	-15.11
5180MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-59.15	-56.21			-54.43	-35.90	-21.20	-14.70
5180MHz	Pass	5.35G	5.39G	PK	5.37616G	18.53	-57.37	-53.90			-52.29	-33.76	-21.20	-12.56
5180MHz	Pass	5.39G	8G	PK	5.56748G	18.53	-57.83	-58.31			-55.05	-36.52	-27.00	-9.52
5200MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-66.51	-70.72			-65.11	-46.58	-41.20	-5.38
5200MHz	Pass	5.11G	5.15G	AV	5.11088G	18.53	-71.22	-66.77			-65.44	-46.91	-41.20	-5.71
5200MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-69.31	-65.66			-64.10	-45.57	-41.20	-4.37
5200MHz	Pass	5.35G	5.39G	AV	5.37608G	18.53	-63.69	-65.72			-61.58	-43.05	-41.20	-1.85
5200MHz	Pass	5.39G	8G	AV	5.39457G	18.53	-70.33	-64.42			-63.43	-44.90	-41.20	-3.70
5200MHz	Pass	1G	5.11G	PK	5.10229G	18.53	-61.50	-57.66			-56.16	-37.63	-21.20	-16.43
5200MHz	Pass	5.11G	5.15G	PK	5.11088G	18.53	-62.18	-56.26			-55.27	-36.74	-21.20	-15.54
5200MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-59.55	-56.85			-54.98	-36.45	-21.20	-15.25
5200MHz	Pass	5.35G	5.39G	PK	5.38872G	18.53	-59.51	-53.05			-52.17	-33.64	-21.20	-12.44
5200MHz	Pass	5.39G	8G	PK	5.56781G	18.53	-57.69	-59.93			-55.66	-37.13	-27.00	-10.13
5240MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-66.29	-70.15			-64.79	-46.26	-41.20	-5.06
5240MHz	Pass	5.11G	5.15G	AV	5.11144G	18.53	-70.26	-69.86			-67.05	-48.52	-41.20	-7.32
5240MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-68.45	-66.36			-64.27	-45.74	-41.20	-4.54
5240MHz	Pass	5.35G	5.39G	AV	5.37608G	18.53	-62.56	-66.53			-61.10	-42.57	-41.20	-1.37
5240MHz	Pass	5.39G	8G	AV	5.42687G	18.53	-70.13	-65.04			-63.87	-45.34	-41.20	-4.14
5240MHz	Pass	1G	5.11G	PK	5.04989G	18.53	-60.03	-59.29			-56.63	-38.10	-21.20	-16.90
5240MHz	Pass	5.11G	5.15G	PK	5.11992G	18.53	-54.01	-60.32			-53.10	-34.57	-21.20	-13.37
5240MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-58.93	-55.68			-54.00	-35.47	-21.20	-14.27
5240MHz	Pass	5.35G	5.39G	PK	5.35872G	18.53	-53.79	-56.49			-51.92	-33.39	-21.20	-12.19
5240MHz	Pass	5.39G	8G	PK	5.56781G	18.53	-57.90	-58.89			-55.36	-36.83	-27.00	-9.83
5745MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-63.68	-67.65			-62.22	-43.69	-41.20	-2.49
5745MHz	Pass	5.89G	8G	AV	7.47751G	18.53	-76.85	-76.97			-73.80	-55.27	-41.20	-14.07
5745MHz	Pass	1G	5.685G	PK	5.64752G	18.53	-58.44	-53.52			-52.31	-33.78	-27.00	-6.78
5745MHz	Pass	5.685G	5.725G	PK	5.68516G	18.53	-57.38	-57.40			-54.38	-35.85	-0.98	-34.87
5745MHz	Pass	5.725G	5.85G	PK	5.725G	18.53	-64.09	-62.78			-60.38	-41.85	27.00	-68.85
5745MHz	Pass	5.85G	5.89G	PK	5.88976G	18.53	-57.92	-57.05			-54.45	-35.92	-0.92	-35.00
5745MHz	Pass	5.89G	8G	PK	5.95172G	18.53	-53.55	-59.70			-52.61	-34.08	-27.00	-7.08
5785MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-63.00	-67.35			-61.64	-43.11	-41.20	-1.91
5785MHz	Pass	5.89G	8G	AV	7.48569G	18.53	-76.80	-77.54			-74.14	-55.61	-41.20	-14.41
5785MHz	Pass	1G	5.685G	PK	5.59423G	18.53	-58.59	-54.75			-53.25	-34.72	-27.00	-7.72
5785MHz	Pass	5.685G	5.725G	PK	5.68516G	18.53	-56.73	-55.56			-53.10	-34.57	-0.98	-33.59
5785MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-63.32	-63.24			-60.27	-41.74	27.00	-68.74
5785MHz	Pass	5.85G	5.89G	PK	5.88976G	18.53	-56.87	-56.01			-53.41	-34.88	-0.92	-33.96
5785MHz	Pass	5.89G	8G	PK	5.95172G	18.53	-54.59	-59.03			-53.26	-34.73	-27.00	-7.73
5825MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-64.00	-66.73			-62.14	-43.61	-41.20	-2.41
5825MHz	Pass	5.89G	8G	AV	7.49202G	18.53	-76.67	-77.47			-74.04	-55.51	-41.20	-14.31
5825MHz	Pass	1G	5.685G	PK	5.63991G	18.53	-54.96	-56.66			-52.72	-34.19	-27.00	-7.19
5825MHz	Pass	5.685G	5.725G	PK	5.685G	18.53	-57.91	-59.43			-55.59	-37.06	-1.10	-35.96
5825MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-62.25	-63.03			-59.61	-41.08	27.00	-68.08
5825MHz	Pass	5.85G	5.89G	PK	5.89G	18.53	-56.17	-56.68			-53.41	-34.88	-1.10	-33.78
5825MHz	Pass	5.89G	8G	PK	5.94433G	18.53	-50.71	-58.62			-50.06	-31.53	-27.00	-4.53
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	1G	5.07G	AV	4.99216G	18.53	-67.04	-71.92			-65.82	-47.29	-41.20	-6.09
5190MHz	Pass	5.07G	5.15G	AV	5.08856G	18.53	-69.79	-69.79			-66.78	-48.25	-41.20	-7.05
5190MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-68.69	-68.17			-65.41	-46.88	-41.20	-5.68
5190MHz	Pass	5.35G	5.43G	AV	5.37592G	18.53	-63.04	-67.90			-61.81	-43.28	-41.20	-2.08
5190MHz	Pass	5.43G	8G	AV	5.44928G	18.53	-71.00	-70.60			-67.79	-49.26	-41.20	-8.06
5190MHz	Pass	1G	5.07G	PK	5.06746G	18.53	-56.20	-64.52			-55.60	-37.07	-21.20	-15.87
5190MHz	Pass	5.07G	5.15G	PK	5.07096G	18.53	-47.73	-60.88			-47.52	-28.99	-21.20	-7.79
5190MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-58.65	-58.18			-55.40	-36.87	-21.20	-15.67
5190MHz	Pass	5.35G	5.43G	PK	5.37592G	18.53	-56.72	-58.36			-54.45	-35.92	-21.20	-14.72
5190MHz	Pass	5.43G	8G	PK	5.56782G	18.53	-58.23	-62.54			-56.86	-38.33	-27.00	-11.33
5230MHz	Pass	1G	5.07G	AV	5.03948G	18.53	-72.72	-67.77			-66.56	-48.03	-41.20	-6.83
5230MHz	Pass	5.07G	5.15G	AV	5.10536G	18.53	-73.99	-67.22			-66.39	-47.86	-41.20	-6.66
5230MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-69.63	-65.01			-63.72	-45.19	-41.20	-3.99
5230MHz	Pass	5.35G	5.43G	AV	5.37576G	18.53	-64.93	-65.15			-62.03	-43.50	-41.20	-2.30
5230MHz	Pass	5.43G	8G	AV	5.43G	18.53	-73.24	-65.85			-65.12	-46.59	-41.20	-5.39
5230MHz	Pass	1G	5.07G	PK	2.41636G	18.53	-63.82	-72.56			-63.28	-44.75	-27.00	-17.75
5230MHz	Pass	5.07G	5.15G	PK	5.1092G	18.53	-51.72	-59.58			-51.06	-32.53	-21.20	-11.33



CSE_Iron R1_Antenna set 10 (Harmonic 1GHz ~ 8GHz)_P to P

Appendix E.8

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5230MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-59.67	-54.79			-53.57	-35.04	-21.20	-13.84
5230MHz	Pass	5.35G	5.43G	PK	5.35048G	18.53	-52.35	-55.87			-50.75	-32.22	-21.20	-11.02
5230MHz	Pass	5.43G	8G	PK	5.46309G	18.53	-65.56	-56.88			-56.33	-37.80	-27.00	-10.80
5755MHz	Pass	1G	5.645G	AV	5.37617G	18.53	-66.63	-67.63			-64.09	-45.56	-41.20	-4.36
5755MHz	Pass	5.93G	8G	AV	7.47707G	18.53	-76.72	-77.59			-74.12	-55.59	-41.20	-14.39
5755MHz	Pass	1G	5.645G	PK	5.61307G	18.53	-60.53	-55.17			-54.06	-35.53	-27.00	-8.53
5755MHz	Pass	5.645G	5.725G	PK	5.64612G	18.53	-59.28	-53.74			-52.67	-34.14	-27.00	-7.14
5755MHz	Pass	5.725G	5.85G	PK	5.725G	18.53	-61.92	-64.45			-59.99	-41.46	27.00	-68.46
5755MHz	Pass	5.85G	5.93G	PK	5.92728G	18.53	-60.49	-55.36			-54.20	-35.67	-27.00	-8.67
5755MHz	Pass	5.93G	8G	PK	5.94785G	18.53	-61.25	-56.35			-55.13	-36.60	-27.00	-9.60
5795MHz	Pass	1G	5.645G	AV	5.37617G	18.53	-62.77	-66.87			-61.34	-42.81	-41.20	-1.61
5795MHz	Pass	5.93G	8G	AV	7.49389G	18.53	-77.51	-77.09			-74.28	-55.75	-41.20	-14.55
5795MHz	Pass	1G	5.645G	PK	5.61074G	18.53	-55.69	-54.98			-52.31	-33.78	-27.00	-6.78
5795MHz	Pass	5.645G	5.725G	PK	5.64628G	18.53	-53.99	-57.01			-52.23	-33.70	-27.00	-6.70
5795MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-63.21	-62.98			-60.08	-41.55	27.00	-68.55
5795MHz	Pass	5.85G	5.93G	PK	5.9156G	18.53	-42.44	-57.11			-42.29	-23.76	-20.04	-3.72
5795MHz	Pass	5.93G	8G	PK	5.95174G	18.53	-52.93	-58.66			-51.90	-33.37	-27.00	-6.37
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	1G	4.99G	AV	4.98501G	18.53	-74.98	-73.31			-71.05	-52.52	-41.20	-11.32
5210MHz	Pass	4.99G	5.15G	AV	4.99192G	18.53	-68.99	-72.21			-67.30	-48.77	-41.20	-7.57
5210MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-69.85	-67.40			-65.44	-46.91	-41.20	-5.71
5210MHz	Pass	5.35G	5.51G	AV	5.37592G	18.53	-65.76	-67.71			-63.62	-45.09	-41.20	-3.89
5210MHz	Pass	5.51G	8G	AV	7.47305G	18.53	-76.82	-77.12			-73.96	-55.43	-41.20	-14.23
5210MHz	Pass	1G	4.99G	PK	2.42643G	18.53	-72.40	-66.50			-65.51	-46.98	-27.00	-19.98
5210MHz	Pass	4.99G	5.15G	PK	5.09048G	18.53	-51.61	-60.25			-51.05	-32.52	-21.20	-11.32
5210MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-60.21	-58.20			-56.08	-37.55	-21.20	-16.35
5210MHz	Pass	5.35G	5.51G	PK	5.47576G	18.53	-64.74	-59.53			-58.39	-39.86	-27.00	-12.86
5210MHz	Pass	5.51G	8G	PK	5.56789G	18.53	-60.10	-64.54			-58.77	-40.24	-27.00	-13.24
5775MHz	Pass	1G	5.565G	AV	5.37612G	18.53	-66.72	-66.66			-63.68	-45.15	-41.20	-3.95
5775MHz	Pass	6.01G	8G	AV	7.49728G	18.53	-77.44	-76.61			-73.99	-55.46	-41.20	-14.26
5775MHz	Pass	1G	5.565G	PK	5.56044G	18.53	-57.58	-58.34			-54.93	-36.40	-27.00	-9.40
5775MHz	Pass	5.565G	5.725G	PK	5.65044G	18.53	-47.48	-53.98			-46.60	-28.07	-26.67	-1.40
5775MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-63.06	-62.46			-59.74	-41.21	27.00	-68.21
5775MHz	Pass	5.85G	6.01G	PK	5.9364G	18.53	-57.19	-51.83			-50.72	-32.19	-27.00	-5.19
5775MHz	Pass	6.01G	8G	PK	6.02393G	18.53	-62.17	-58.46			-56.92	-38.39	-27.00	-11.39
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-71.75	-72.49	-71.34	-66.18	-63.59	-45.06	-41.20	-3.86
5180MHz	Pass	5.11G	5.15G	AV	5.1128G	18.53	-77.49	-75.90	-75.19	-76.23	-70.10	-51.57	-41.20	-10.37
5180MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-70.62	-70.67	-70.46	-70.84	-64.62	-46.09	-41.20	-4.89
5180MHz	Pass	5.35G	5.39G	AV	5.37592G	18.53	-67.92	-70.04	-67.24	-67.54	-62.04	-43.51	-41.20	-2.31
5180MHz	Pass	5.39G	8G	AV	5.4236G	18.53	-77.74	-74.89	-73.19	-76.49	-69.22	-50.69	-41.20	-9.49
5180MHz	Pass	1G	5.11G	PK	2.41795G	18.53	-65.98	-72.83	-73.02	-73.84	-64.03	-45.50	-27.00	-18.50
5180MHz	Pass	5.11G	5.15G	PK	5.11408G	18.53	-66.71	-66.22	-64.34	-66.58	-59.83	-41.30	-21.20	-20.10
5180MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-62.10	-61.06	-60.80	-60.13	-54.95	-36.42	-21.20	-15.22
5180MHz	Pass	5.35G	5.39G	PK	5.376G	18.53	-62.85	-62.10	-60.56	-61.36	-55.61	-37.08	-21.20	-15.88
5180MHz	Pass	5.39G	8G	PK	5.75964G	18.53	-68.33	-65.36	-64.19	-61.85	-58.32	-39.79	-27.00	-12.79
5200MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-71.46	-72.86	-70.30	-66.54	-63.58	-45.05	-41.20	-3.85
5200MHz	Pass	5.11G	5.15G	AV	5.11208G	18.53	-77.42	-75.81	-74.81	-76.98	-70.11	-51.58	-41.20	-10.38
5200MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-71.60	-70.89	-69.97	-70.83	-64.76	-46.23	-41.20	-5.03
5200MHz	Pass	5.35G	5.39G	AV	5.376G	18.53	-68.20	-70.27	-67.26	-67.82	-62.23	-43.70	-41.20	-2.50
5200MHz	Pass	5.39G	8G	AV	5.39392G	18.53	-77.28	-74.33	-73.66	-75.88	-69.05	-50.52	-41.20	-9.32
5200MHz	Pass	1G	5.11G	PK	2.45186G	18.53	-72.89	-71.91	-73.41	-66.23	-63.98	-45.45	-27.00	-18.45
5200MHz	Pass	5.11G	5.15G	PK	5.11216G	18.53	-66.92	-64.85	-65.77	-65.67	-59.72	-41.19	-21.20	-19.99
5200MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-60.57	-61.07	-60.87	-61.13	-54.88	-36.35	-21.20	-15.15
5200MHz	Pass	5.35G	5.39G	PK	5.376G	18.53	-62.85	-62.79	-61.11	-61.42	-55.95	-37.42	-21.20	-16.22
5200MHz	Pass	5.39G	8G	PK	5.56781G	18.53	-63.92	-65.15	-64.97	-63.72	-58.37	-39.84	-27.00	-12.84
5240MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-72.11	-73.20	-70.42	-66.86	-63.91	-45.38	-41.20	-4.18
5240MHz	Pass	5.11G	5.15G	AV	5.11168G	18.53	-77.76	-76.39	-74.43	-76.62	-70.11	-51.58	-41.20	-10.38
5240MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-71.07	-70.91	-69.54	-71.16	-64.60	-46.07	-41.20	-4.87
5240MHz	Pass	5.35G	5.39G	AV	5.376G	18.53	-67.99	-70.12	-67.90	-67.22	-62.16	-43.63	-41.20	-2.43
5240MHz	Pass	5.39G	8G	AV	5.42393G	18.53	-78.70	-74.18	-73.01	-76.32	-69.03	-50.50	-41.20	-9.30
5240MHz	Pass	1G	5.11G	PK	2.44775G	18.53	-63.83	-67.64	-71.68	-68.83	-61.05	-42.52	-27.00	-15.52
5240MHz	Pass	5.11G	5.15G	PK	5.11632G	18.53	-67.28	-67.29	-64.91	-65.78	-60.17	-41.64	-21.20	-20.44
5240MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-61.32	-61.53	-59.63	-60.57	-54.68	-36.15	-21.20	-14.95
5240MHz	Pass	5.35G	5.39G	PK	5.376G	18.53	-62.32	-63.10	-59.87	-61.95	-55.62	-37.09	-21.20	-15.89
5240MHz	Pass	5.39G	8G	PK	5.56781G	18.53	-64.52	-65.52	-63.89	-64.99	-58.67	-40.14	-27.00	-13.14
5745MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-71.46	-71.00	-70.24	-64.98	-62.49	-43.96	-41.20	-2.76
5745MHz	Pass	5.89G	8G	AV	7.49993G	18.53	-76.95	-77.91	-77.23	-76.40	-71.07	-52.54	-41.20	-11.34
5745MHz	Pass	1G	5.685G	PK	5.64752G	18.53	-67.34	-65.17	-63.96	-66.43	-59.52	-40.99	-27.00	-13.99
5745MHz	Pass	5.685G	5.725G	PK	5.685G	18.53	-69.33	-66.63	-62.17	-66.90	-59.41	-40.88	-1.10	-39.78

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5745MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-62.88	-63.22	-63.64	-63.61	-57.31	-38.78	27.00	-65.78
5745MHz	Pass	5.85G	5.89G	PK	5.8896G	18.53	-68.52	-65.88	-65.05	-68.27	-60.65	-42.12	-0.80	-41.32
5745MHz	Pass	5.89G	8G	PK	5.95198G	18.53	-66.06	-66.83	-65.84	-63.07	-59.18	-40.65	-27.00	-13.65
5785MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-70.88	-71.67	-70.32	-64.77	-62.40	-43.87	-41.20	-2.67
5785MHz	Pass	5.89G	8G	AV	7.48885G	18.53	-77.63	-76.84	-78.45	-77.00	-71.41	-52.88	-41.20	-11.68
5785MHz	Pass	1G	5.685G	PK	5.56846G	18.53	-65.28	-68.73	-66.66	-63.34	-59.55	-41.02	-27.00	-14.02
5785MHz	Pass	5.685G	5.725G	PK	5.68516G	18.53	-66.36	-64.93	-62.55	-64.70	-58.39	-39.86	-0.98	-38.88
5785MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-63.64	-63.39	-61.21	-63.35	-56.76	-38.23	27.00	-65.23
5785MHz	Pass	5.85G	5.89G	PK	5.88872G	18.53	-66.13	-66.03	-62.83	-65.99	-58.97	-40.44	-0.15	-40.29
5785MHz	Pass	5.89G	8G	PK	5.95198G	18.53	-64.93	-66.36	-65.94	-62.83	-58.77	-40.24	-27.00	-13.24
5825MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-71.25	-71.37	-69.86	-64.98	-62.45	-43.92	-41.20	-2.72
5825MHz	Pass	5.89G	8G	AV	7.48648G	18.53	-77.57	-77.05	-77.12	-77.15	-71.20	-52.67	-41.20	-11.47
5825MHz	Pass	1G	5.685G	PK	5.56846G	18.53	-67.22	-65.88	-64.42	-65.06	-59.50	-40.97	-27.00	-13.97
5825MHz	Pass	5.685G	5.725G	PK	5.68508G	18.53	-66.27	-66.10	-65.98	-66.20	-60.12	-41.59	-1.04	-40.55
5825MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-63.98	-63.82	-63.58	-61.61	-57.11	-38.58	27.00	-65.58
5825MHz	Pass	5.85G	5.89G	PK	5.88976G	18.53	-66.47	-66.01	-65.15	-66.59	-60.00	-41.47	-0.92	-40.55
5825MHz	Pass	5.89G	8G	PK	5.95172G	18.53	-64.01	-67.46	-65.72	-64.03	-59.07	-40.54	-27.00	-13.54
802.11ax HEW20_Nss1(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-71.95	-72.62	-70.70	-66.65	-63.77	-45.24	-41.20	-4.04
5180MHz	Pass	5.11G	5.15G	AV	5.11184G	18.53	-77.00	-76.49	-75.23	-76.08	-70.13	-51.60	-41.20	-10.40
5180MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-71.31	-70.97	-70.34	-70.69	-64.79	-46.26	-41.20	-5.06
5180MHz	Pass	5.35G	5.39G	AV	5.37592G	18.53	-68.06	-70.21	-67.43	-67.46	-62.13	-43.60	-41.20	-2.40
5180MHz	Pass	5.39G	8G	AV	5.4236G	18.53	-77.21	-75.41	-74.19	-76.16	-69.58	-51.05	-41.20	-9.85
5180MHz	Pass	1G	5.11G	PK	2.41641G	18.53	-66.23	-72.10	-73.22	-71.36	-63.76	-45.23	-27.00	-18.23
5180MHz	Pass	5.11G	5.15G	PK	5.112G	18.53	-67.40	-65.85	-65.29	-66.78	-60.23	-41.70	-21.20	-20.50
5180MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-61.64	-60.95	-60.27	-60.46	-54.78	-36.25	-21.20	-15.05
5180MHz	Pass	5.35G	5.39G	PK	5.37584G	18.53	-63.03	-62.15	-60.43	-61.54	-55.66	-37.13	-21.20	-15.93
5180MHz	Pass	5.39G	8G	PK	5.56748G	18.53	-65.39	-66.00	-64.00	-63.32	-58.53	-40.00	-27.00	-13.00
5200MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-71.19	-72.77	-71.32	-66.96	-63.94	-45.41	-41.20	-4.21
5200MHz	Pass	5.11G	5.15G	AV	5.11184G	18.53	-77.04	-75.36	-74.76	-76.80	-69.86	-51.33	-41.20	-10.13
5200MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-70.89	-70.46	-70.29	-71.12	-64.66	-46.13	-41.20	-4.93
5200MHz	Pass	5.35G	5.39G	AV	5.37592G	18.53	-68.10	-70.37	-67.92	-68.02	-62.47	-43.94	-41.20	-2.74
5200MHz	Pass	5.39G	8G	AV	5.4236G	18.53	-77.67	-74.05	-73.58	-77.30	-69.25	-50.72	-41.20	-9.52
5200MHz	Pass	1G	5.11G	PK	2.4159G	18.53	-72.85	-66.01	-65.56	-68.49	-61.41	-42.88	-27.00	-15.88
5200MHz	Pass	5.11G	5.15G	PK	5.11232G	18.53	-67.84	-66.86	-64.55	-66.41	-60.22	-41.69	-21.20	-20.49
5200MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-61.61	-60.54	-61.13	-60.24	-54.83	-36.30	-21.20	-15.10
5200MHz	Pass	5.35G	5.39G	PK	5.37584G	18.53	-63.27	-62.36	-61.45	-62.46	-56.32	-37.79	-21.20	-16.59
5200MHz	Pass	5.39G	8G	PK	5.56781G	18.53	-63.87	-66.90	-64.23	-63.95	-58.56	-40.03	-27.00	-13.03
5240MHz	Pass	1G	5.11G	AV	4.99235G	18.53	-71.68	-73.19	-71.06	-66.98	-64.04	-45.51	-41.20	-4.31
5240MHz	Pass	5.11G	5.15G	AV	5.11208G	18.53	-77.51	-76.56	-75.00	-76.63	-70.31	-51.78	-41.20	-10.58
5240MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-70.95	-70.95	-70.02	-70.96	-64.68	-46.15	-41.20	-4.95
5240MHz	Pass	5.35G	5.39G	AV	5.37592G	18.53	-68.49	-70.47	-67.88	-67.73	-62.50	-43.97	-41.20	-2.77
5240MHz	Pass	5.39G	8G	AV	5.4236G	18.53	-77.69	-74.55	-72.73	-76.17	-68.87	-50.34	-41.20	-9.14
5240MHz	Pass	1G	5.11G	PK	2.41692G	18.53	-66.69	-67.03	-71.75	-66.20	-61.43	-42.90	-27.00	-15.90
5240MHz	Pass	5.11G	5.15G	PK	5.1112G	18.53	-67.44	-65.46	-64.92	-67.98	-60.24	-41.71	-21.20	-20.51
5240MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-61.99	-60.71	-60.17	-60.58	-54.79	-36.26	-21.20	-15.06
5240MHz	Pass	5.35G	5.39G	PK	5.37592G	18.53	-61.85	-63.36	-59.99	-61.90	-55.59	-37.06	-21.20	-15.86
5240MHz	Pass	5.39G	8G	PK	5.56781G	18.53	-65.16	-64.40	-63.82	-64.30	-58.37	-39.84	-27.00	-12.84
5745MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-71.96	-71.31	-70.78	-64.86	-62.61	-44.08	-41.20	-2.88
5745MHz	Pass	5.89G	8G	AV	7.49492G	18.53	-77.36	-77.17	-77.56	-77.26	-71.31	-52.78	-41.20	-11.58
5745MHz	Pass	1G	5.685G	PK	5.56846G	18.53	-66.40	-65.60	-65.17	-64.02	-59.19	-40.66	-27.00	-13.66
5745MHz	Pass	5.685G	5.725G	PK	5.68532G	18.53	-68.24	-67.47	-64.34	-67.10	-60.50	-41.97	-0.86	-41.11
5745MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-63.80	-63.49	-62.95	-61.74	-56.90	-38.37	27.00	-65.37
5745MHz	Pass	5.85G	5.89G	PK	5.88936G	18.53	-67.86	-64.81	-65.47	-67.78	-60.25	-41.72	-0.63	-41.09
5745MHz	Pass	5.89G	8G	PK	5.95198G	18.53	-66.93	-65.85	-66.16	-64.41	-59.72	-41.19	-27.00	-14.19
5785MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-71.60	-70.48	-69.79	-64.85	-62.28	-43.75	-41.20	-2.55
5785MHz	Pass	5.89G	8G	AV	7.48437G	18.53	-76.92	-76.88	-77.98	-77.73	-71.33	-52.80	-41.20	-11.60
5785MHz	Pass	1G	5.685G	PK	5.56846G	18.53	-65.04	-68.80	-64.99	-63.87	-59.31	-40.78	-27.00	-13.78
5785MHz	Pass	5.685G	5.725G	PK	5.68516G	18.53	-66.64	-65.68	-62.94	-64.69	-58.75	-40.22	-0.98	-39.24
5785MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-62.46	-63.11	-63.63	-63.24	-57.07	-38.54	27.00	-65.54
5785MHz	Pass	5.85G	5.89G	PK	5.88984G	18.53	-66.56	-64.85	-64.21	-66.63	-59.41	-40.88	-0.98	-39.90
5785MHz	Pass	5.89G	8G	PK	5.95198G	18.53	-65.42	-65.94	-65.32	-63.55	-58.94	-40.41	-27.00	-13.41
5825MHz	Pass	1G	5.685G	AV	5.37638G	18.53	-70.73	-70.11	-70.13	-64.94	-62.22	-43.69	-41.20	-2.49
5825MHz	Pass	5.89G	8G	AV	7.48358G	18.53	-77.26	-76.27	-77.79	-77.51	-71.15	-52.62	-41.20	-11.42
5825MHz	Pass	1G	5.685G	PK	5.56846G	18.53	-65.42	-67.23	-63.47	-64.26	-58.86	-40.33	-27.00	-13.33
5825MHz	Pass	5.685G	5.725G	PK	5.68516G	18.53	-67.43	-67.58	-65.46	-65.86	-60.46	-41.93	-0.98	-40.95
5825MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-62.90	-63.07	-62.06	-63.58	-56.85	-38.32	27.00	-65.32
5825MHz	Pass	5.85G	5.89G	PK	5.88992G	18.53	-67.39	-64.98	-65.82	-66.54	-60.07	-41.54	-1.04	-40.50
5825MHz	Pass	5.89G	8G	PK	5.95198G	18.53	-64.73	-67.20	-65.31	-62.89	-58.74	-40.21	-27.00	-13.21
802.11ax HEW40_Nss1(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-



CSE_Iron R1_Antenna set 10 (Harmonic 1GHz ~ 8GHz)_P to P

Appendix E.8

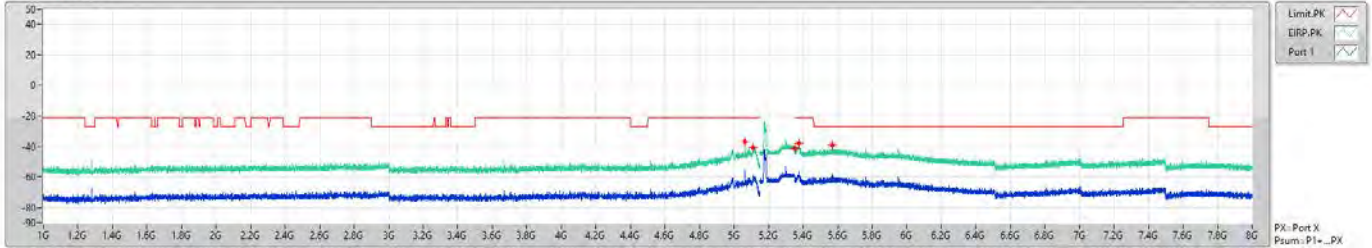
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5190MHz	Pass	1G	5.07G	AV	4.99216G	18.53	-72.18	-73.08	-70.61	-66.17	-63.58	-45.05	-41.20	-3.85
5190MHz	Pass	5.07G	5.15G	AV	5.08776G	18.53	-76.08	-74.14	-73.07	-73.65	-68.08	-49.55	-41.20	-8.35
5190MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-71.31	-70.03	-70.19	-69.13	-64.08	-45.55	-41.20	-4.35
5190MHz	Pass	5.35G	5.43G	AV	5.37592G	18.53	-68.06	-69.74	-67.50	-67.60	-62.12	-43.59	-41.20	-2.39
5190MHz	Pass	5.43G	8G	AV	5.44767G	18.53	-77.92	-75.39	-73.69	-75.22	-69.29	-50.76	-41.20	-9.56
5190MHz	Pass	1G	5.07G	PK	2.96734G	18.53	-72.22	-69.23	-68.98	-72.44	-64.40	-45.87	-27.00	-18.87
5190MHz	Pass	5.07G	5.15G	PK	5.07112G	18.53	-61.08	-65.46	-65.13	-65.12	-57.75	-39.22	-21.20	-18.02
5190MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-60.35	-60.84	-60.62	-60.10	-54.45	-35.92	-21.20	-14.72
5190MHz	Pass	5.35G	5.43G	PK	5.37592G	18.53	-62.79	-63.46	-60.92	-60.88	-55.85	-37.32	-21.20	-16.12
5190MHz	Pass	5.43G	8G	PK	5.66387G	18.53	-66.34	-64.08	-65.26	-61.43	-57.85	-39.32	-27.00	-12.32
5230MHz	Pass	1G	5.07G	AV	4.99216G	18.53	-70.66	-72.87	-71.35	-66.67	-63.70	-45.17	-41.20	-3.97
5230MHz	Pass	5.07G	5.15G	AV	5.08792G	18.53	-75.14	-74.30	-73.07	-74.80	-68.23	-49.70	-41.20	-8.50
5230MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-71.02	-71.06	-70.08	-71.01	-64.75	-46.22	-41.20	-5.02
5230MHz	Pass	5.35G	5.43G	AV	5.37592G	18.53	-66.84	-70.43	-67.53	-68.02	-61.99	-43.46	-41.20	-2.26
5230MHz	Pass	5.43G	8G	AV	5.43771G	18.53	-75.62	-75.40	-74.37	-75.41	-69.15	-50.62	-41.20	-9.42
5230MHz	Pass	1G	5.07G	PK	2.47945G	18.53	-74.24	-73.12	-65.82	-69.81	-63.44	-44.91	-27.00	-17.91
5230MHz	Pass	5.07G	5.15G	PK	5.10888G	18.53	-57.16	-65.50	-65.48	-65.60	-55.59	-37.06	-21.20	-15.86
5230MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-55.21	-59.87	-59.86	-60.06	-52.17	-33.64	-21.20	-12.44
5230MHz	Pass	5.35G	5.43G	PK	5.35048G	18.53	-56.98	-64.68	-63.03	-65.98	-55.09	-36.56	-21.20	-15.36
5230MHz	Pass	5.43G	8G	PK	5.56782G	18.53	-62.84	-65.15	-64.85	-65.35	-58.40	-39.87	-27.00	-12.87
5755MHz	Pass	1G	5.645G	AV	5.37617G	18.53	-71.19	-71.10	-69.49	-65.20	-62.46	-43.93	-41.20	-2.73
5755MHz	Pass	5.93G	8G	AV	7.4988G	18.53	-77.54	-77.22	-76.65	-78.05	-71.31	-52.78	-41.20	-11.58
5755MHz	Pass	1G	5.645G	PK	5.27979G	18.53	-66.37	-66.83	-63.16	-67.94	-59.45	-40.92	-27.00	-13.92
5755MHz	Pass	5.645G	5.725G	PK	5.65012G	18.53	-65.39	-65.09	-63.43	-64.14	-58.42	-39.89	-26.91	-12.98
5755MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-63.37	-62.49	-63.80	-63.49	-57.24	-38.71	-27.00	-65.71
5755MHz	Pass	5.85G	5.93G	PK	5.92648G	18.53	-67.31	-66.75	-62.82	-67.26	-59.56	-41.03	-27.00	-14.03
5755MHz	Pass	5.93G	8G	PK	5.95199G	18.53	-67.53	-65.86	-64.54	-64.66	-59.47	-40.94	-27.00	-13.94
5795MHz	Pass	1G	5.645G	AV	5.37617G	18.53	-71.23	-70.22	-70.75	-65.11	-62.50	-43.97	-41.20	-2.77
5795MHz	Pass	5.93G	8G	AV	7.49699G	18.53	-76.45	-77.28	-77.54	-77.39	-71.12	-52.59	-41.20	-11.39
5795MHz	Pass	1G	5.645G	PK	5.56778G	18.53	-66.94	-67.13	-64.11	-64.22	-59.35	-40.82	-27.00	-13.82
5795MHz	Pass	5.645G	5.725G	PK	5.649G	18.53	-65.87	-66.14	-64.38	-63.80	-58.92	-40.39	-27.00	-13.39
5795MHz	Pass	5.725G	5.85G	PK	5.725G	18.53	-63.45	-62.88	-63.37	-64.14	-57.42	-38.89	-27.00	-65.89
5795MHz	Pass	5.85G	5.93G	PK	5.92584G	18.53	-67.29	-65.37	-63.53	-66.92	-59.49	-40.96	-27.00	-13.96
5795MHz	Pass	5.93G	8G	PK	5.95174G	18.53	-65.66	-66.09	-66.52	-63.59	-59.29	-40.76	-27.00	-13.76
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	1G	4.99G	AV	4.97953G	18.53	-78.59	-75.37	-76.81	-75.62	-70.40	-51.87	-41.20	-10.67
5210MHz	Pass	4.99G	5.15G	AV	4.99192G	18.53	-71.39	-73.02	-69.84	-65.80	-63.10	-44.57	-41.20	-3.37
5210MHz	Pass	5.15G	5.35G	AV	5.35G	18.53	-71.09	-69.62	-69.78	-70.62	-64.22	-45.69	-41.20	-4.49
5210MHz	Pass	5.35G	5.51G	AV	5.37592G	18.53	-68.20	-70.49	-68.17	-68.12	-62.62	-44.09	-41.20	-2.89
5210MHz	Pass	5.51G	8G	AV	7.48301G	18.53	-77.79	-77.67	-77.06	-76.77	-71.28	-52.75	-41.20	-11.55
5210MHz	Pass	1G	4.99G	PK	2.44638G	18.53	-63.99	-73.97	-73.34	-73.18	-62.73	-44.20	-27.00	-17.20
5210MHz	Pass	4.99G	5.15G	PK	5.12344G	18.53	-62.78	-61.71	-60.47	-58.45	-54.52	-35.99	-21.20	-14.79
5210MHz	Pass	5.15G	5.35G	PK	5.35G	18.53	-61.03	-60.11	-58.48	-60.06	-53.80	-35.27	-21.20	-14.07
5210MHz	Pass	5.35G	5.51G	PK	5.47192G	18.53	-65.43	-64.73	-62.65	-65.47	-58.39	-39.86	-27.00	-12.86
5210MHz	Pass	5.51G	8G	PK	5.56789G	18.53	-64.16	-66.52	-64.41	-64.70	-58.84	-40.31	-27.00	-13.31
5775MHz	Pass	1G	5.565G	AV	5.37612G	18.53	-71.04	-71.26	-69.74	-64.56	-62.15	-43.62	-41.20	-2.42
5775MHz	Pass	6.01G	8G	AV	7.49976G	18.53	-77.14	-77.72	-76.61	-77.18	-71.12	-52.59	-41.20	-11.39
5775MHz	Pass	1G	5.565G	PK	5.28026G	18.53	-67.71	-68.43	-62.31	-65.90	-59.36	-40.83	-27.00	-13.83
5775MHz	Pass	5.565G	5.725G	PK	5.56788G	18.53	-62.78	-63.98	-63.29	-62.27	-57.01	-38.48	-27.00	-11.48
5775MHz	Pass	5.725G	5.85G	PK	5.85G	18.53	-62.63	-63.42	-63.44	-64.24	-57.37	-38.84	-27.00	-65.84
5775MHz	Pass	5.85G	6.01G	PK	5.95208G	18.53	-64.27	-64.89	-62.79	-62.24	-57.40	-38.87	-27.00	-11.87
5775MHz	Pass	6.01G	8G	PK	6.04781G	18.53	-66.32	-66.69	-67.79	-65.76	-60.56	-42.03	-27.00	-15.03

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

802.11a_Nss1,(6Mbps)_1TX

CSE Other [PK]

5180MHz

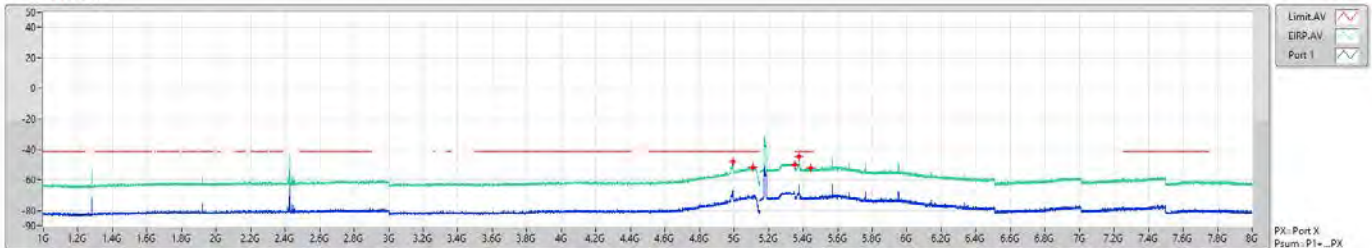


F_Start(Hz)	F_Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	5.11G	1M	PK	5.06119G	-37.10	-21.20	-15.90	18.53	0.00	-55.63	-55.63
5.11G	5.15G	1M	PK	5.11072G	-40.68	-21.20	-19.48	18.53	0.00	-59.21	-59.21
5.15G	5.35G	1M	PK	5.25G	-41.35	-21.20	-20.15	18.53	0.00	-59.08	-59.08
5.35G	5.39G	1M	PK	5.376G	-38.06	-21.20	-16.86	18.54	0.00	-56.59	-56.59
5.39G	8G	1M	PK	5.56781G	-38.97	-27.00	-11.97	18.53	0.00	-57.50	-57.50

802.11a_Nss1,(6Mbps)_1TX

CSE Other [AV]

5180MHz



F_Start(Hz)	F_Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	5.11G	1M	AV	4.99235G	-48.04	-41.20	-6.84	18.53	0.00	-66.57	-66.57
5.11G	5.15G	1M	AV	5.11016G	-51.71	-41.20	-10.51	18.53	0.00	-70.24	-70.24
5.15G	5.35G	1M	AV	5.25G	-50.16	-41.20	-8.96	18.53	0.00	-68.69	-68.69
5.35G	5.39G	1M	AV	5.37902G	-44.67	-41.20	-3.47	18.54	0.00	-64.20	-64.20
5.39G	8G	1M	AV	5.44187G	-52.37	-41.20	-11.17	18.53	0.00	-70.90	-70.90

802.11a_Nss1,(6Mbps)_1TX

CSE Other [PK]

5200MHz



802.11a_Nss1,(6Mbps)_1TX

CSE Other [AV]

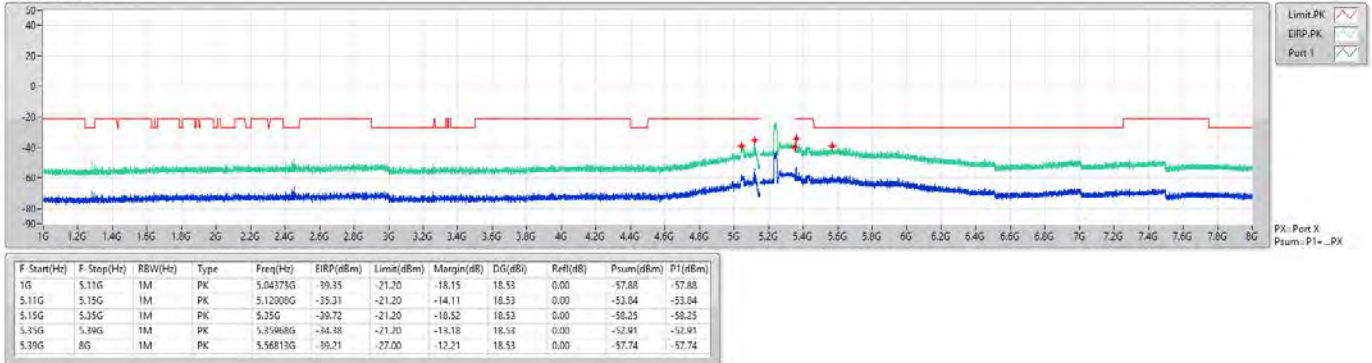
5200MHz



802.11a_Nss1,(6Mbps)_1TX

CSE Other [PK]

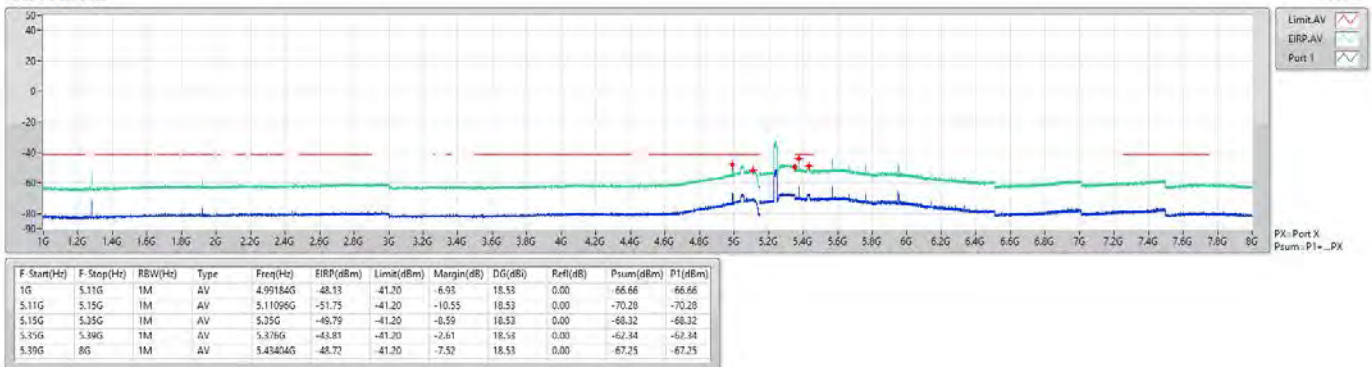
5240MHz



802.11a_Nss1,(6Mbps)_1TX

CSE Other [AV]

5240MHz

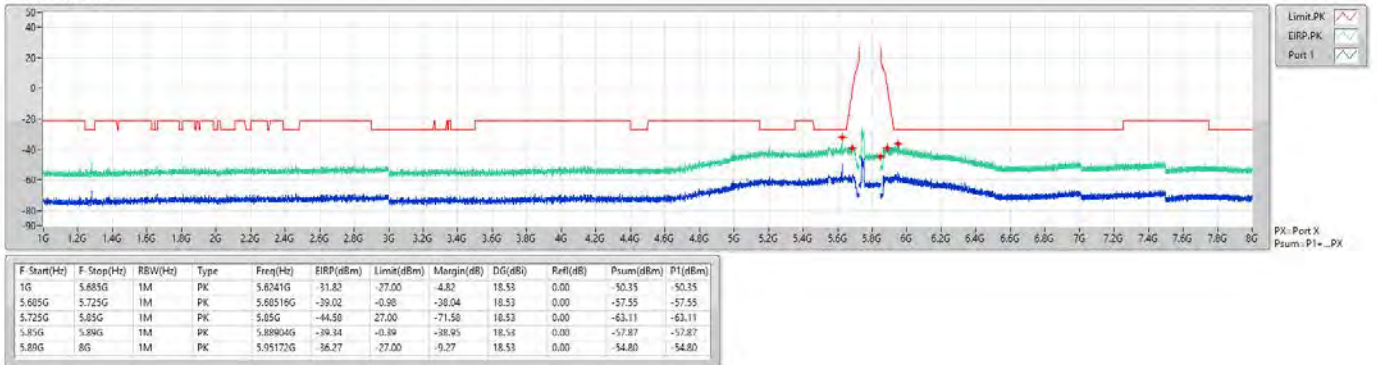


802.11a_Nss1,(6Mbps)_1TX

CSE Other [PK]

5745MHz

24/08/2022

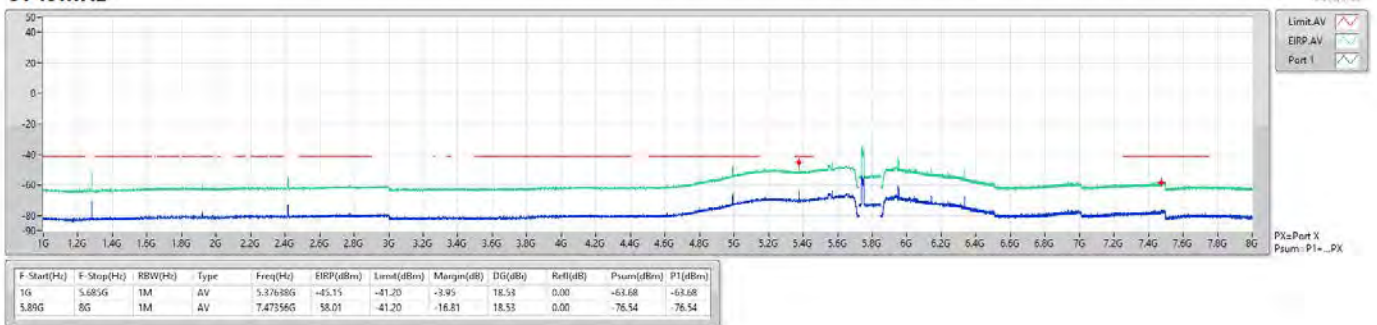


802.11a_Nss1,(6Mbps)_1TX

CSE Other [AV]

5745MHz

24/08/2022

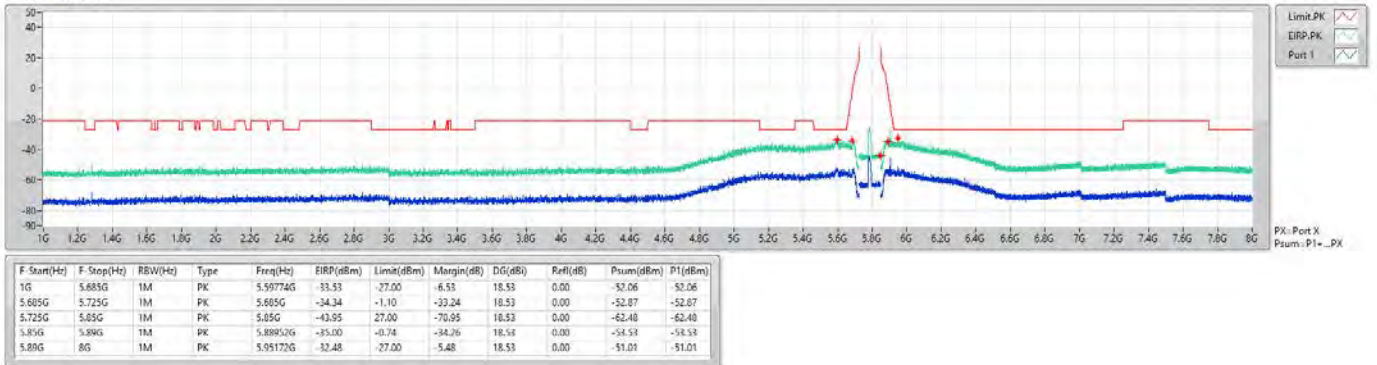


802.11a_Nss1,(6Mbps)_1TX

CSE Other [PK]

5785MHz

24/08/2022



802.11a_Nss1,(6Mbps)_1TX

CSE Other [AV]

5785MHz

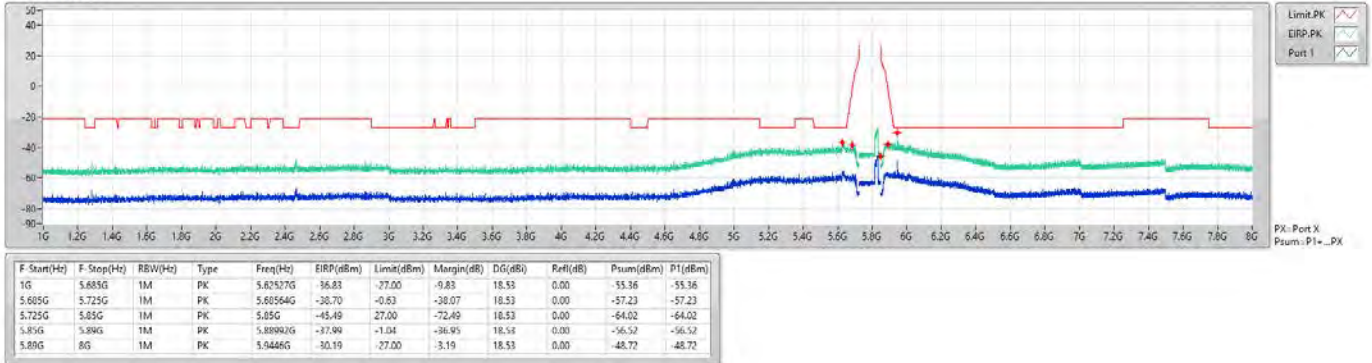
24/08/2022



802.11a_Nss1,(6Mbps)_1TX

CSE Other [PK]

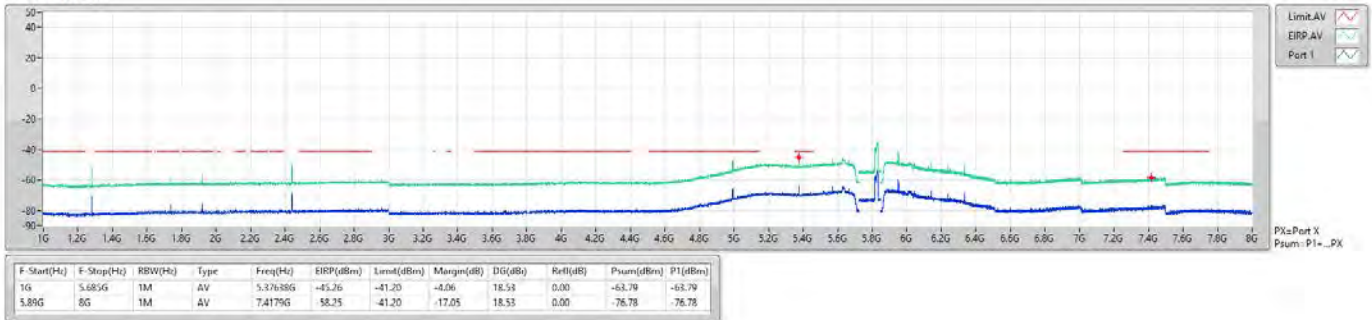
5825MHz



802.11a_Nss1,(6Mbps)_1TX

CSE Other [AV]

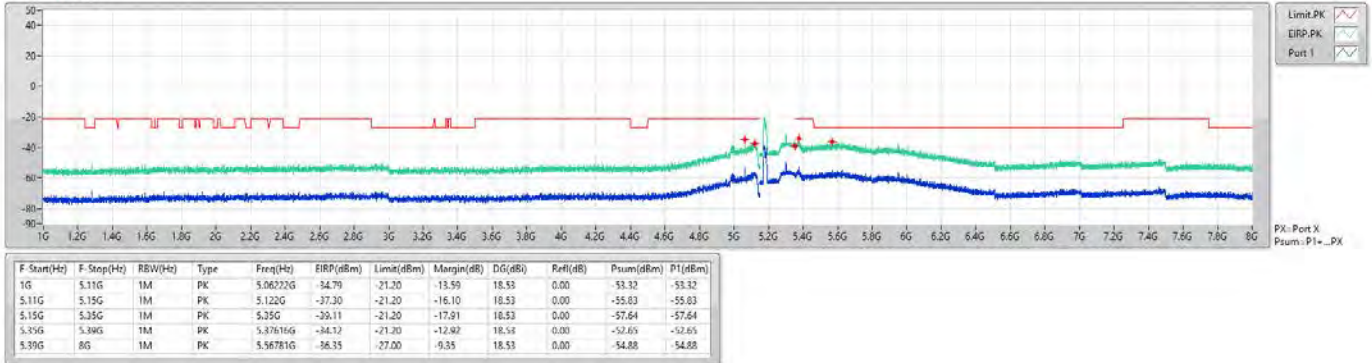
5825MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE Other [PK]

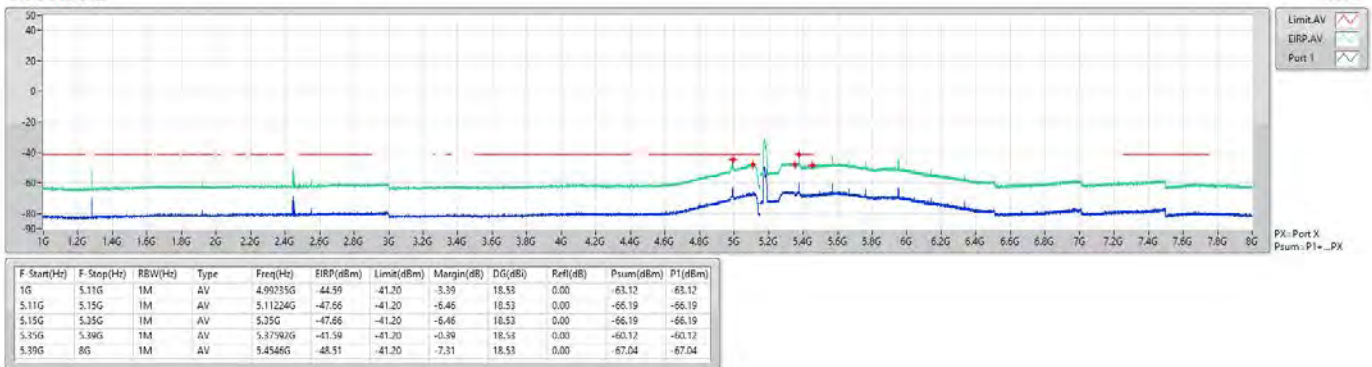
5180MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE Other [AV]

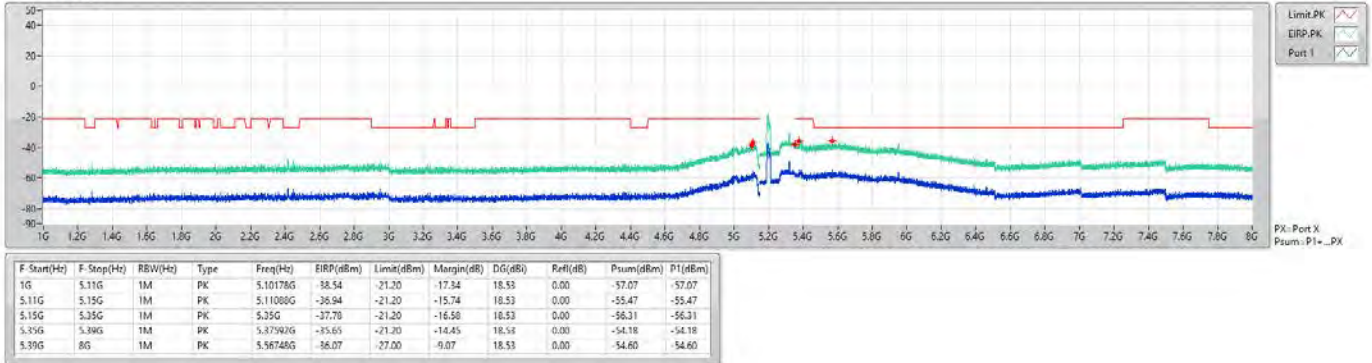
5180MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE Other [PK]

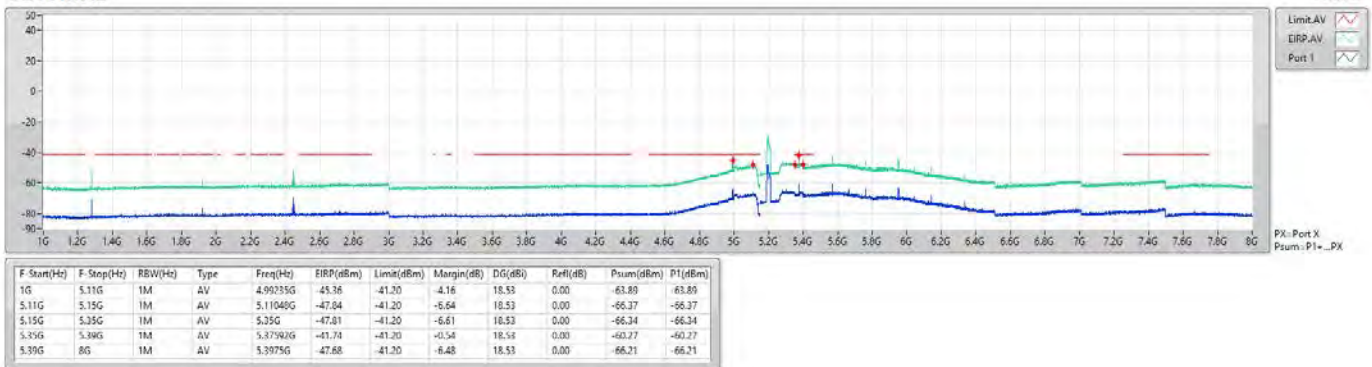
5200MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE Other [AV]

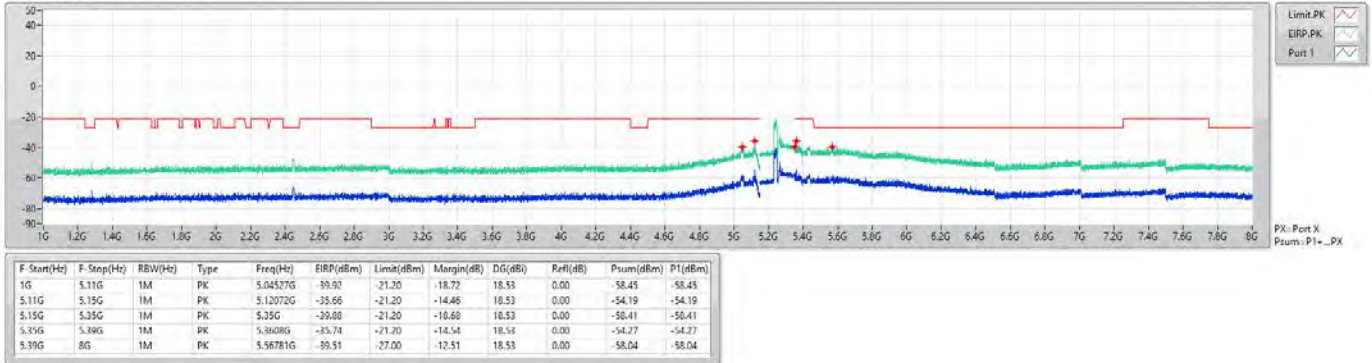
5200MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE Other [PK]

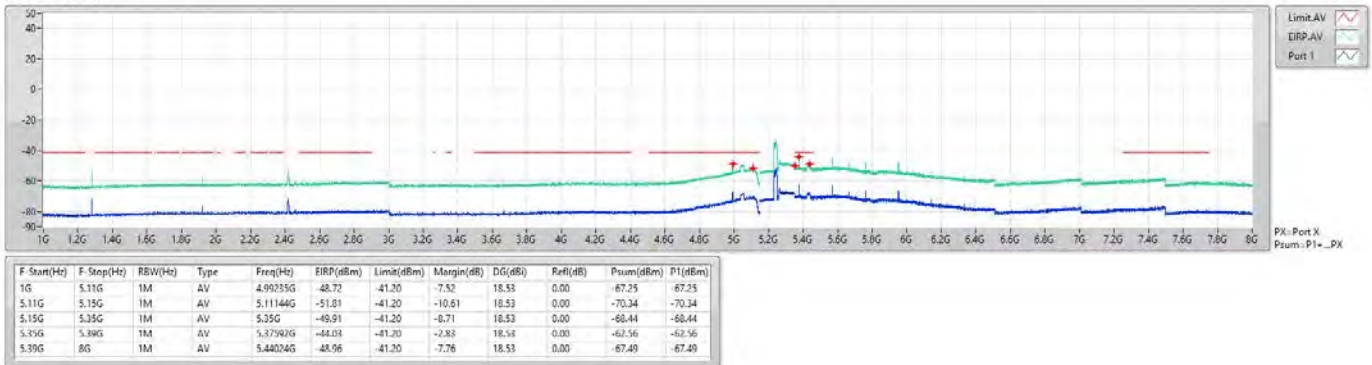
5240MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE Other [AV]

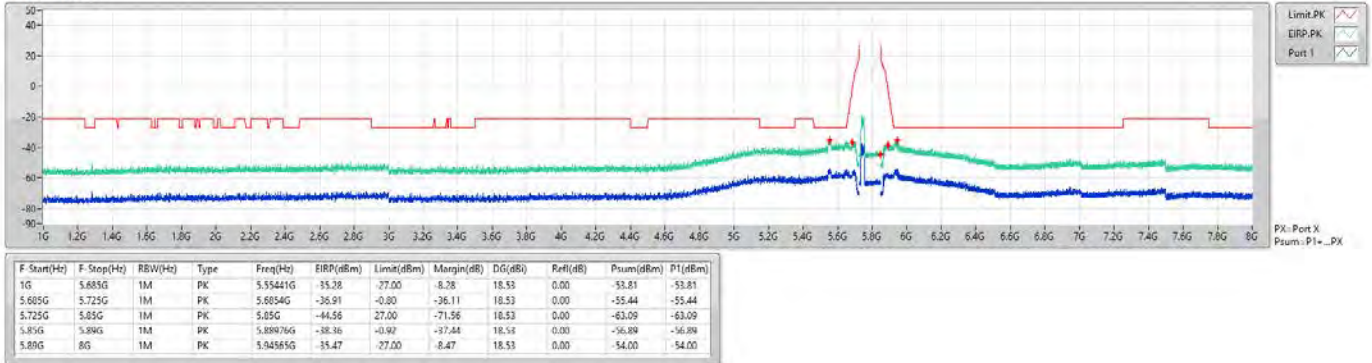
5240MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE Other [PK]

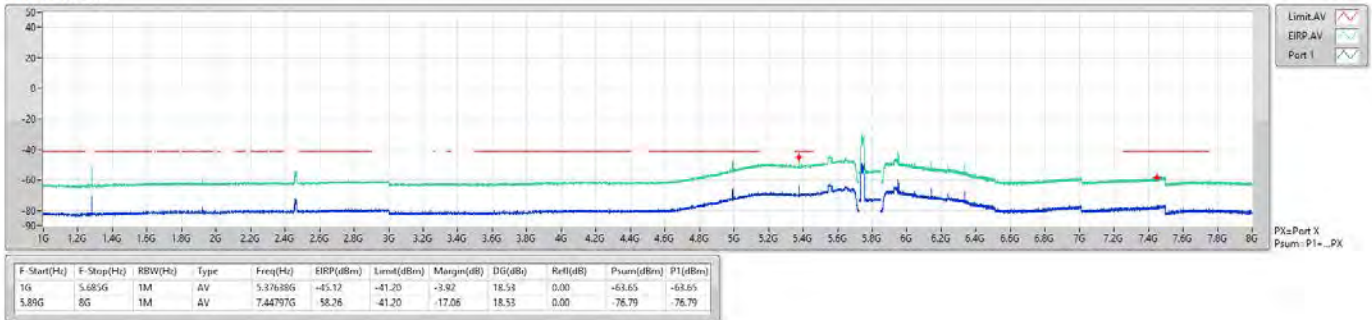
5745MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE Other [AV]

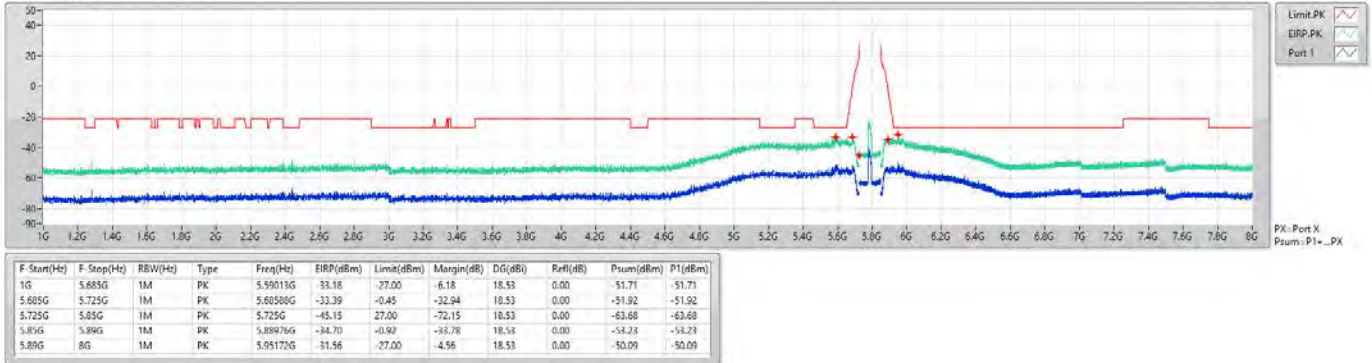
5745MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE Other [PK]

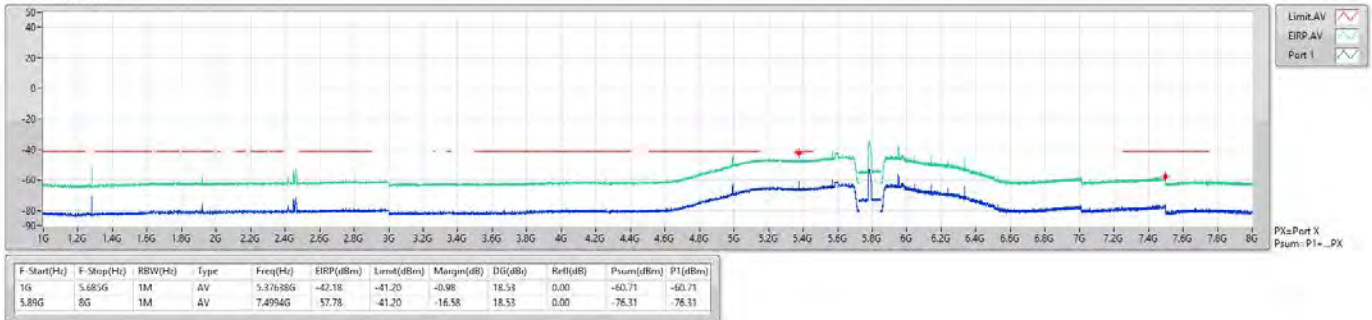
5785MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE Other [AV]

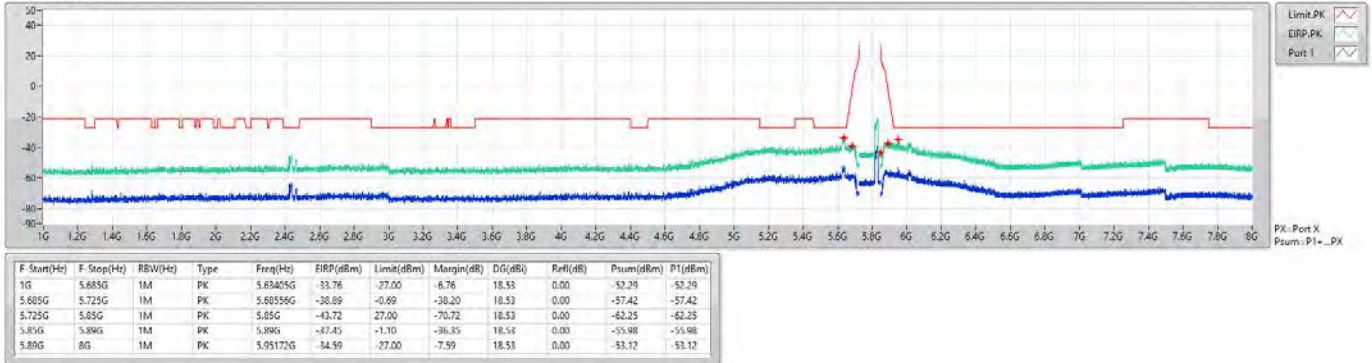
5785MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE Other [PK]

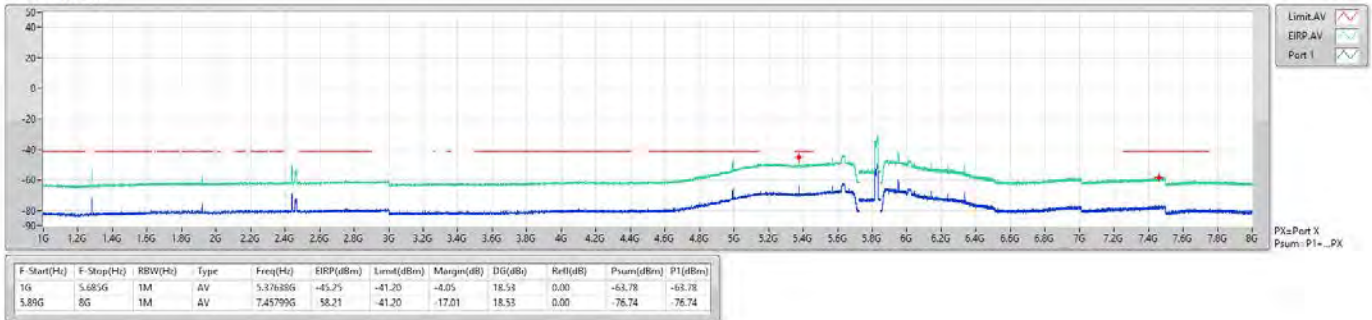
5825MHz



802.11ax HEW20_Nss1,(MCS0)_1TX

CSE Other [AV]

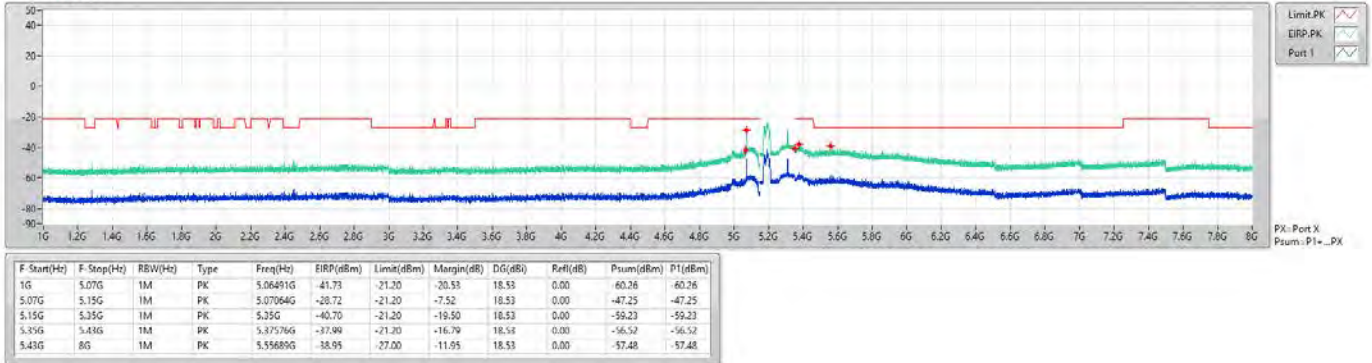
5825MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE Other [PK]

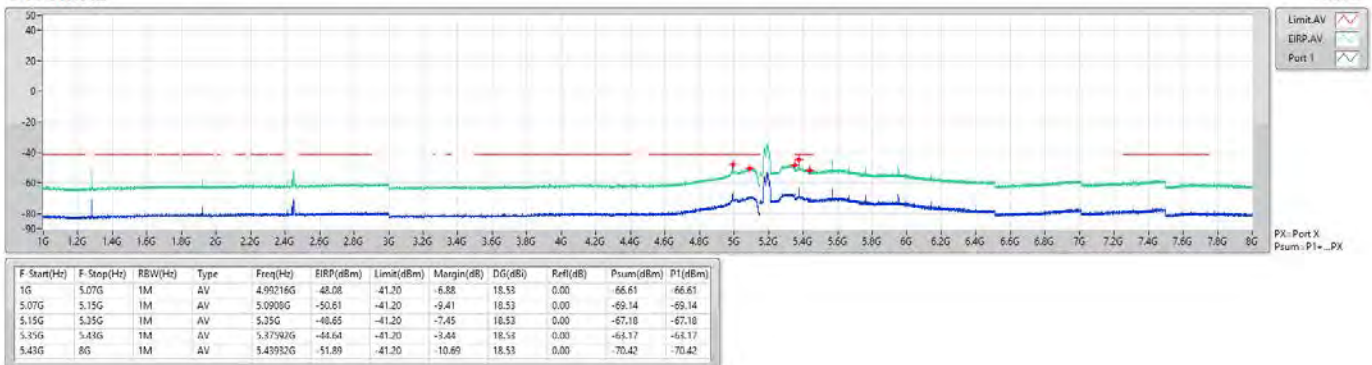
5190MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE Other [AV]

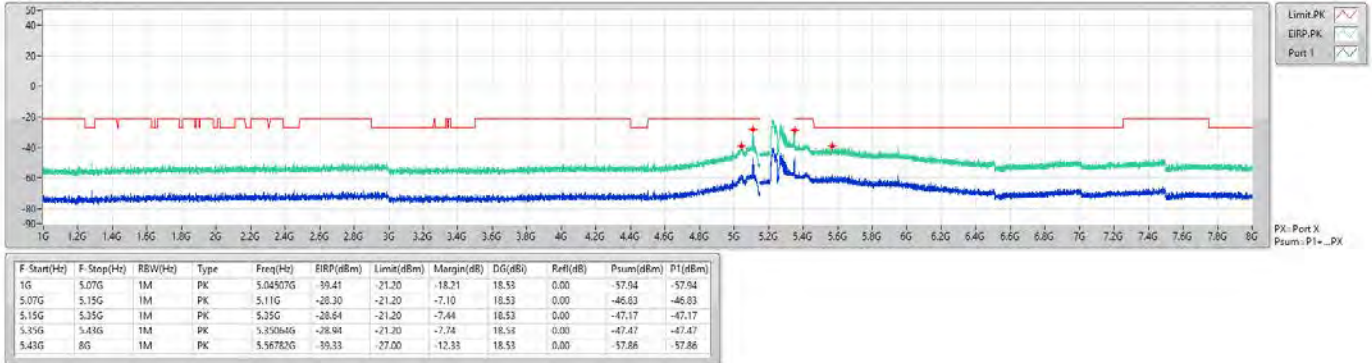
5190MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE Other [PK]

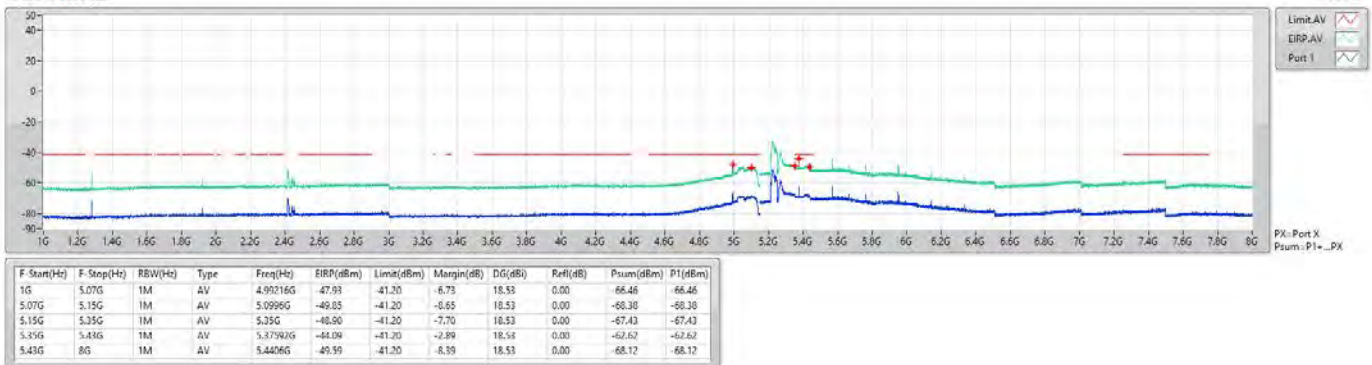
5230MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE Other [AV]

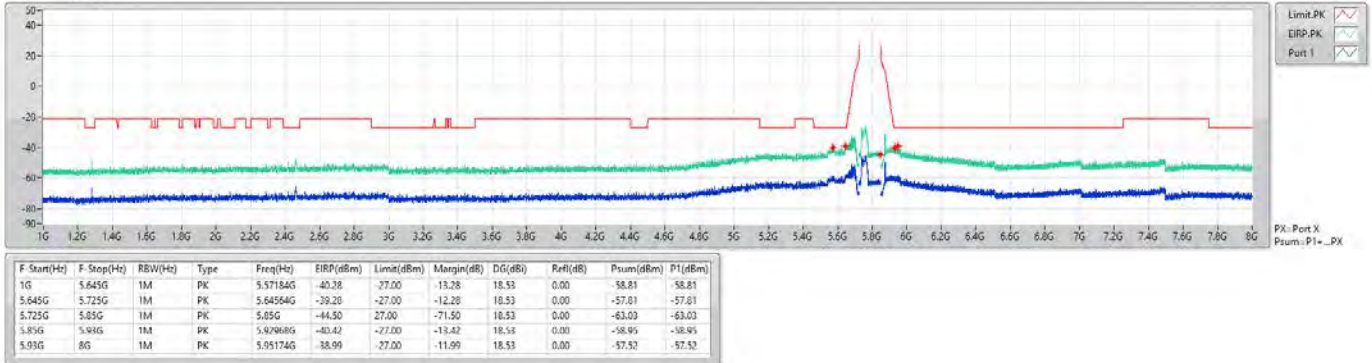
5230MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE Other [PK]

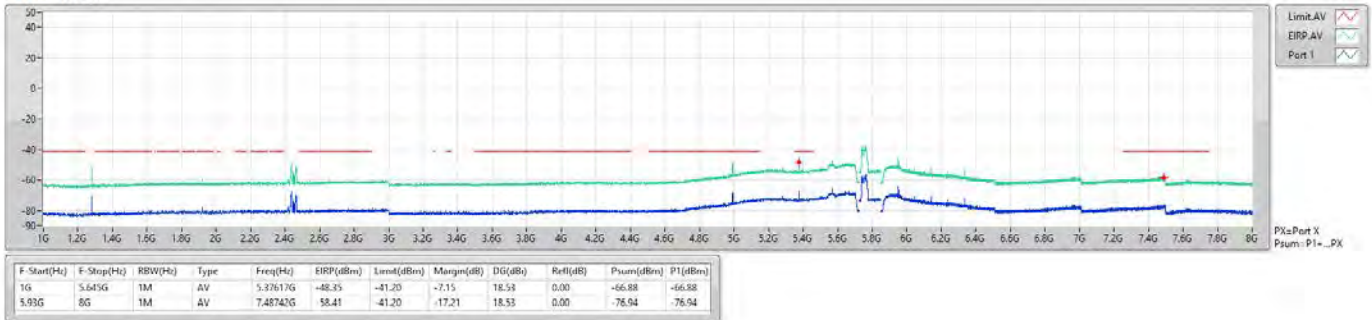
5755MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE Other [AV]

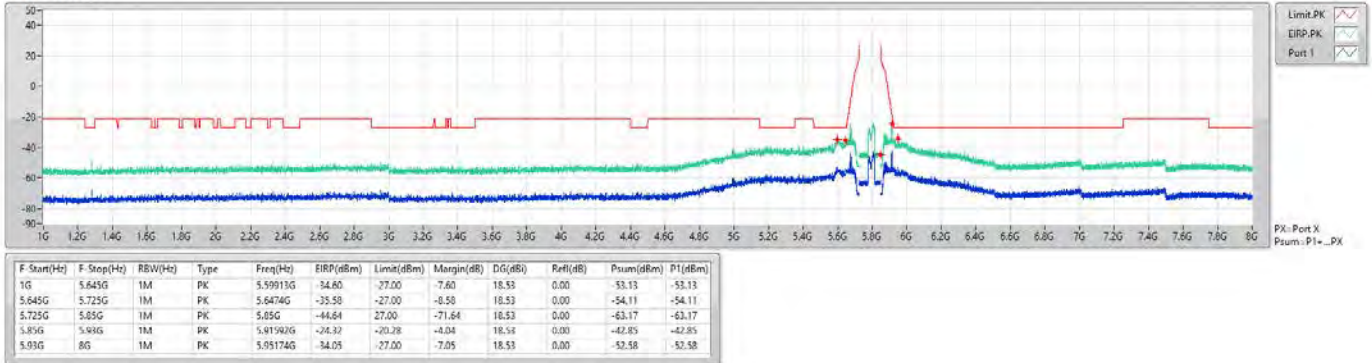
5755MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE Other [PK]

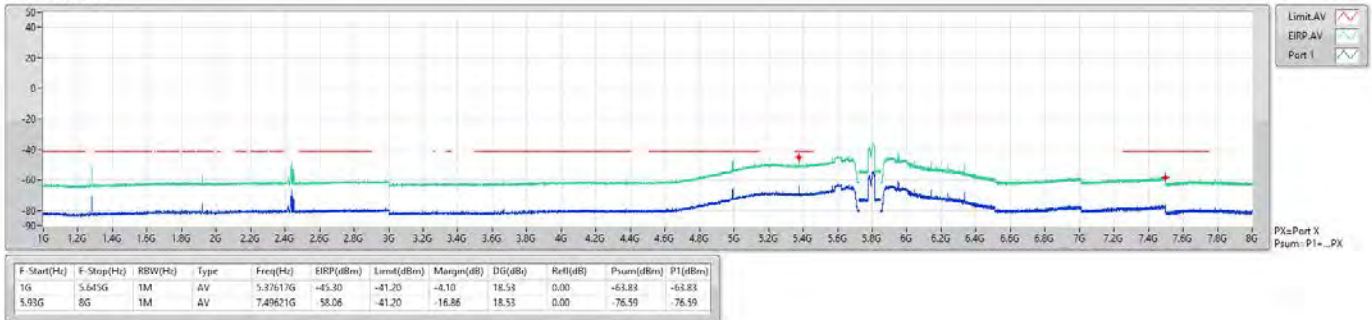
5795MHz



802.11ax HEW40_Nss1,(MCS0)_1TX

CSE Other [AV]

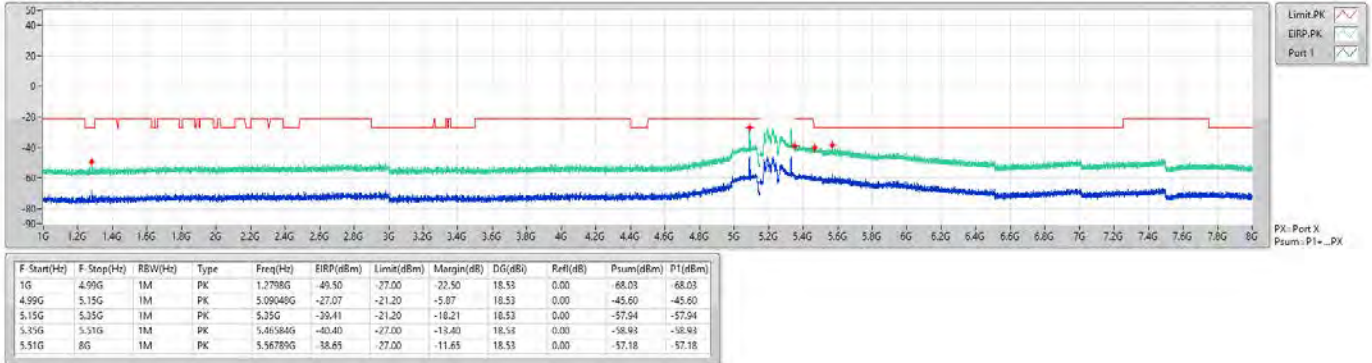
5795MHz



802.11ax HEW80_Nss1,(MCS0)_1TX

CSE Other [PK]

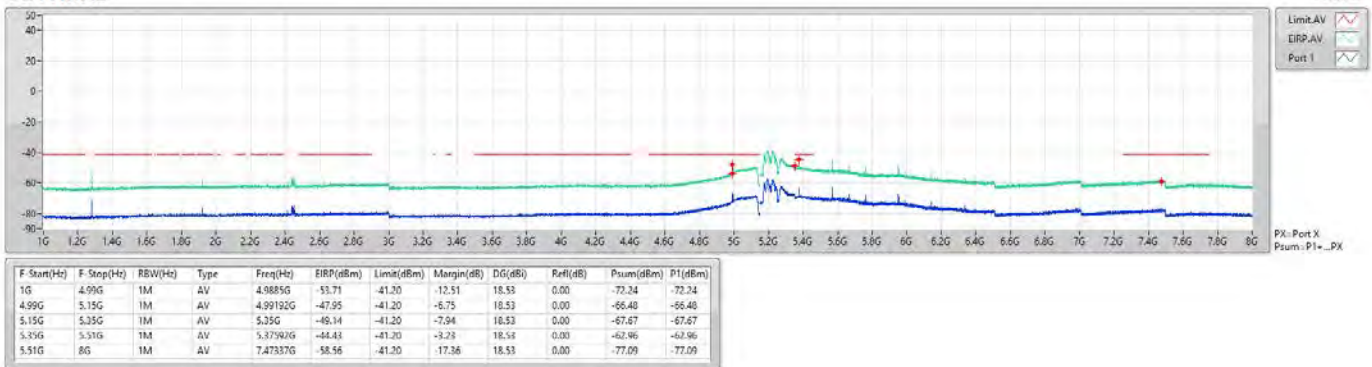
5210MHz



802.11ax HEW80_Nss1,(MCS0)_1TX

CSE Other [AV]

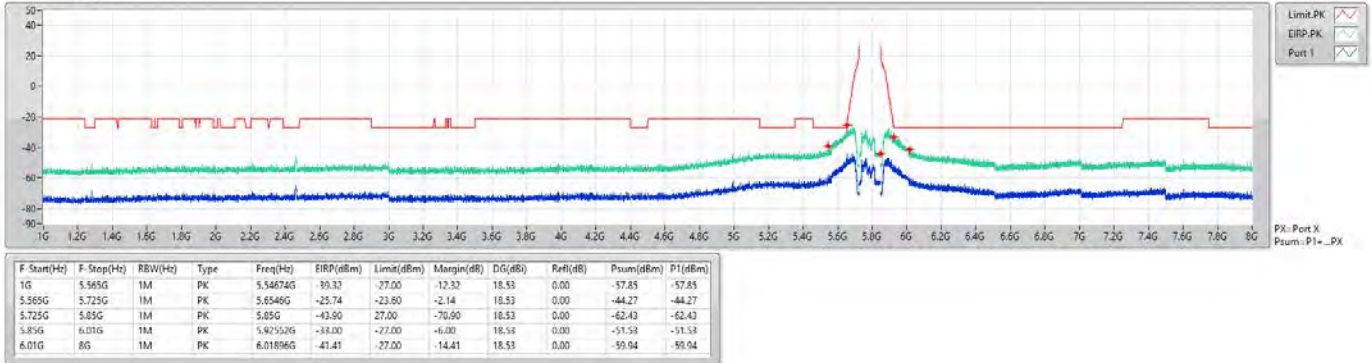
5210MHz



802.11ax HEW80_Nss1,(MCS0)_1TX

CSE Other [PK]

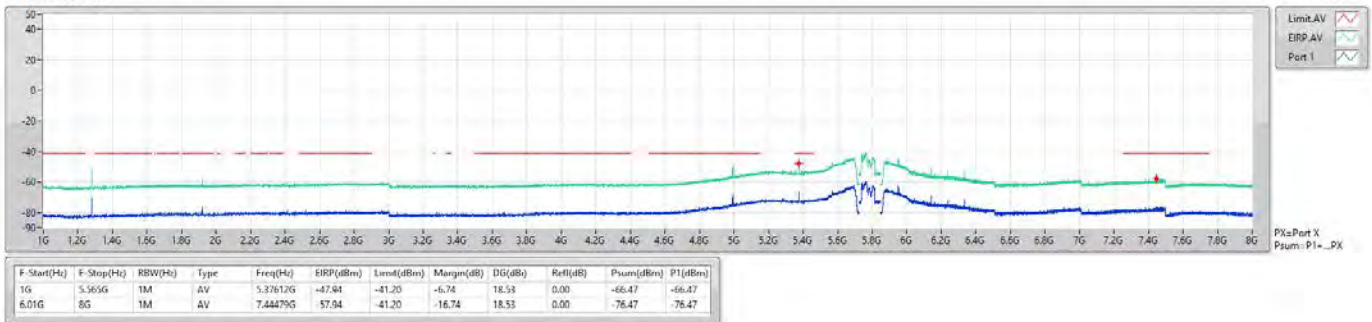
5775MHz



802.11ax HEW80_Nss1,(MCS0)_1TX

CSE Other [AV]

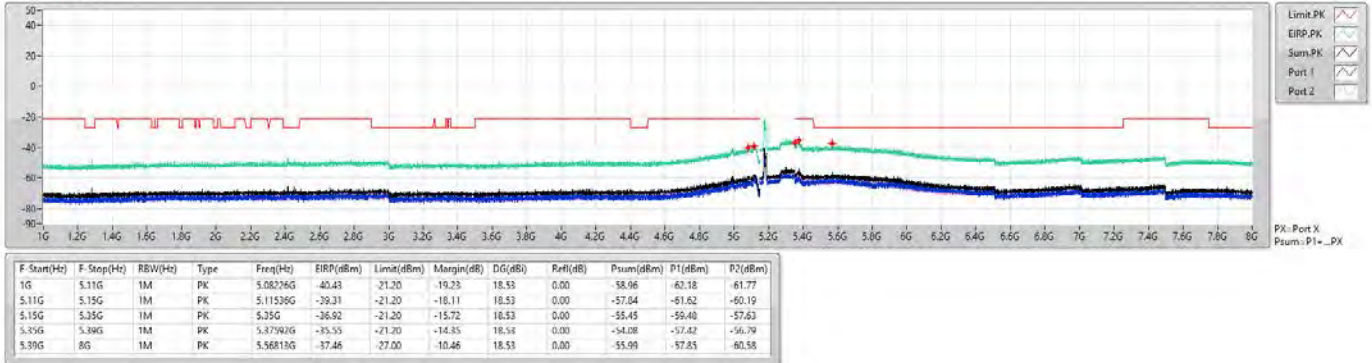
5775MHz



802.11a_Nss1,(6Mbps)_2TX

CSE Other [PK]

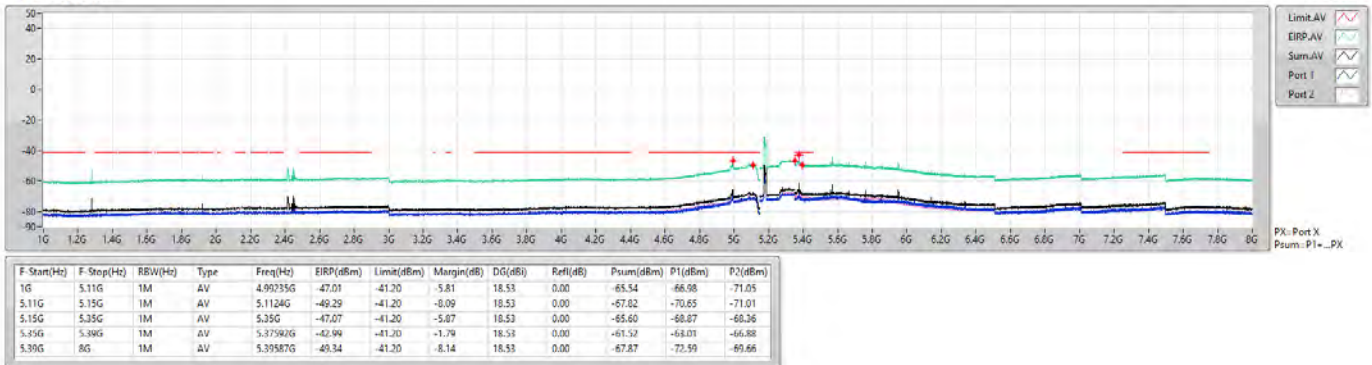
5180MHz



802.11a_Nss1,(6Mbps)_2TX

CSE Other [AV]

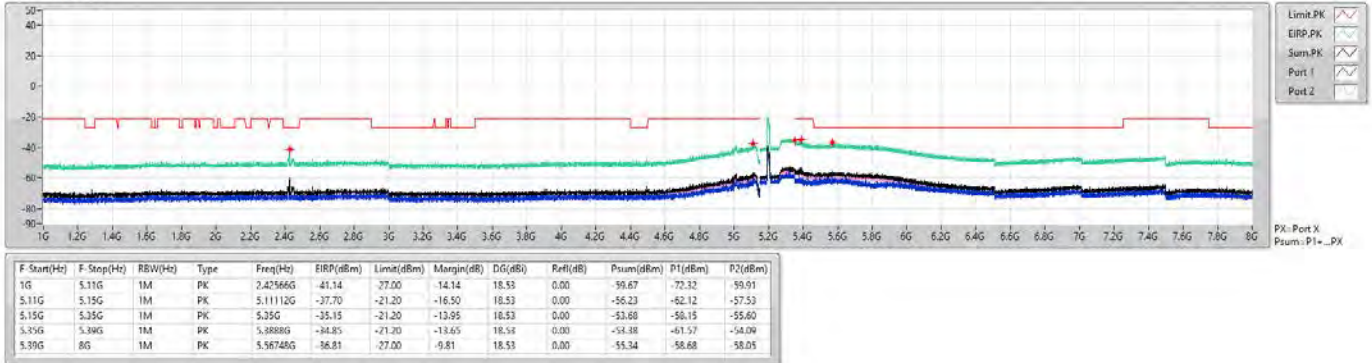
5180MHz



802.11a_Nss1,(6Mbps)_2TX

CSE Other [PK]

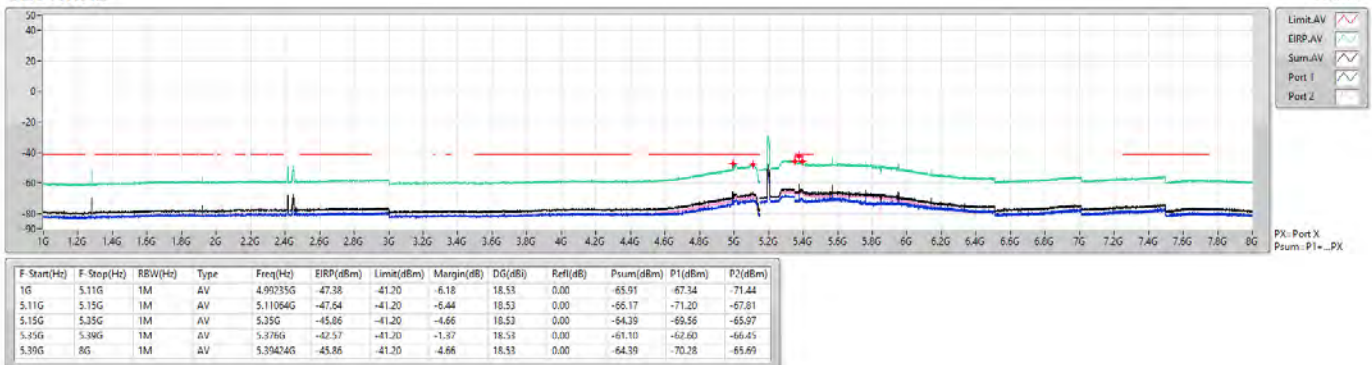
5200MHz



802.11a_Nss1,(6Mbps)_2TX

CSE Other [AV]

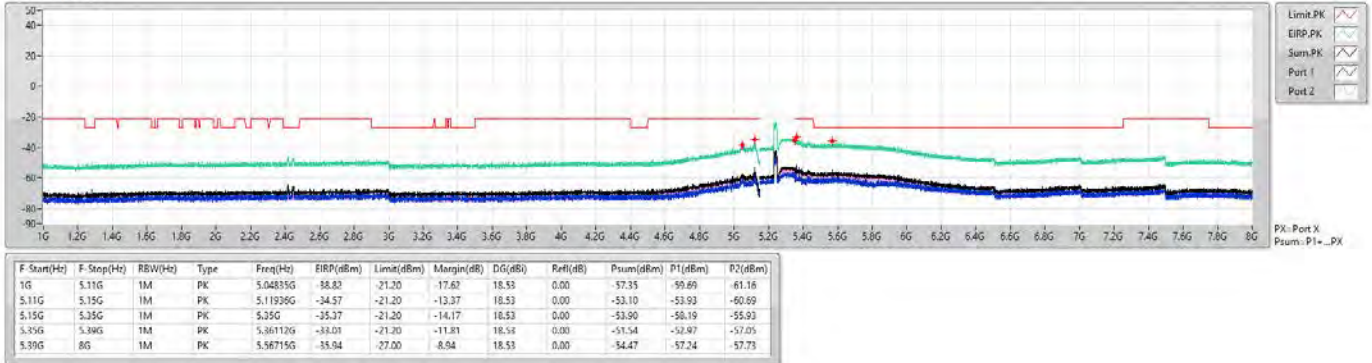
5200MHz



802.11a_Nss1,(6Mbps)_2TX

CSE Other [PK]

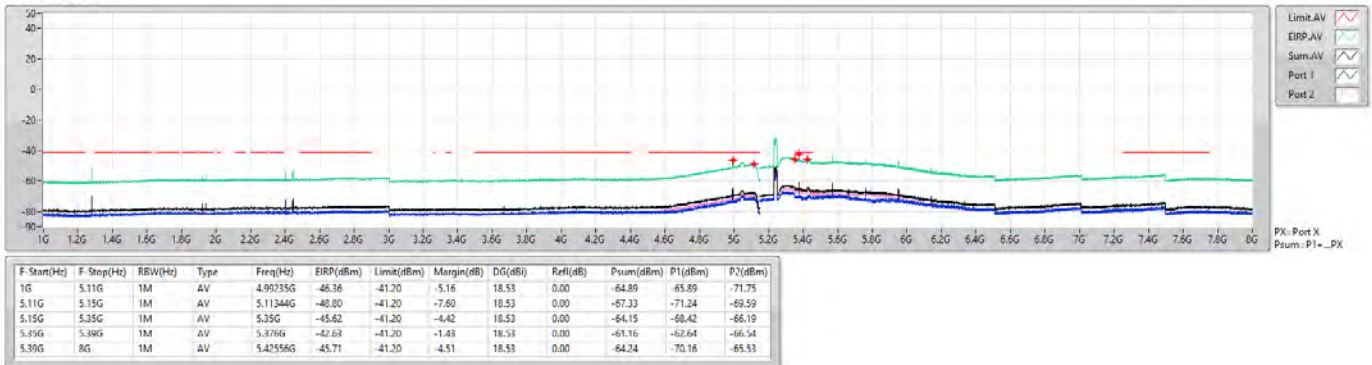
5240MHz



802.11a_Nss1,(6Mbps)_2TX

CSE Other [AV]

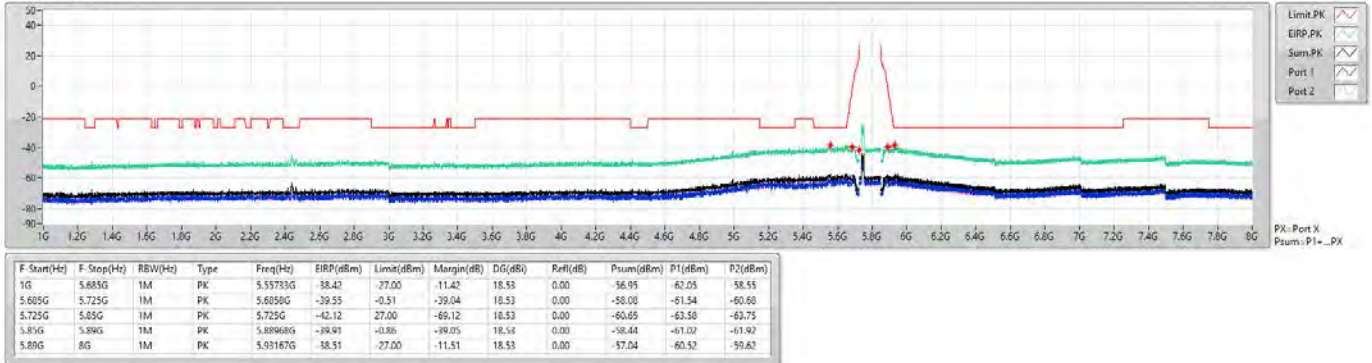
5240MHz



802.11a_Nss1,(6Mbps)_2TX

CSE Other [PK]

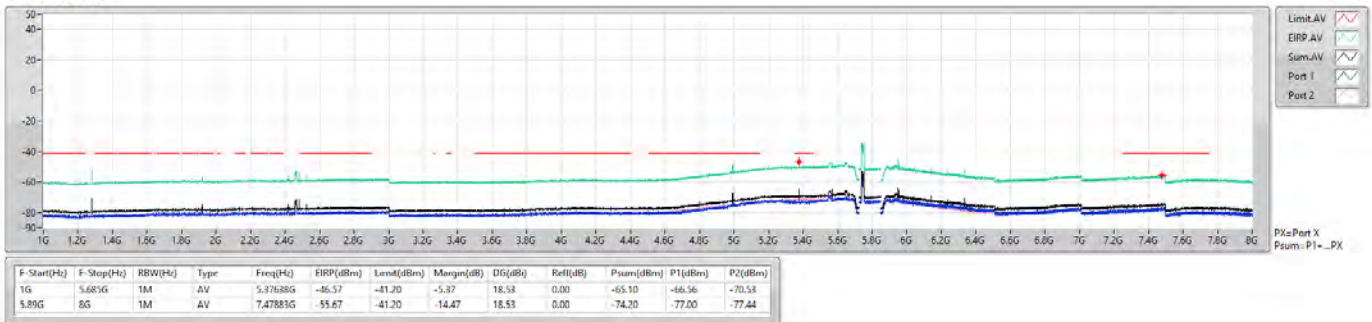
5745MHz



802.11a_Nss1,(6Mbps)_2TX

CSE Other [AV]

5745MHz

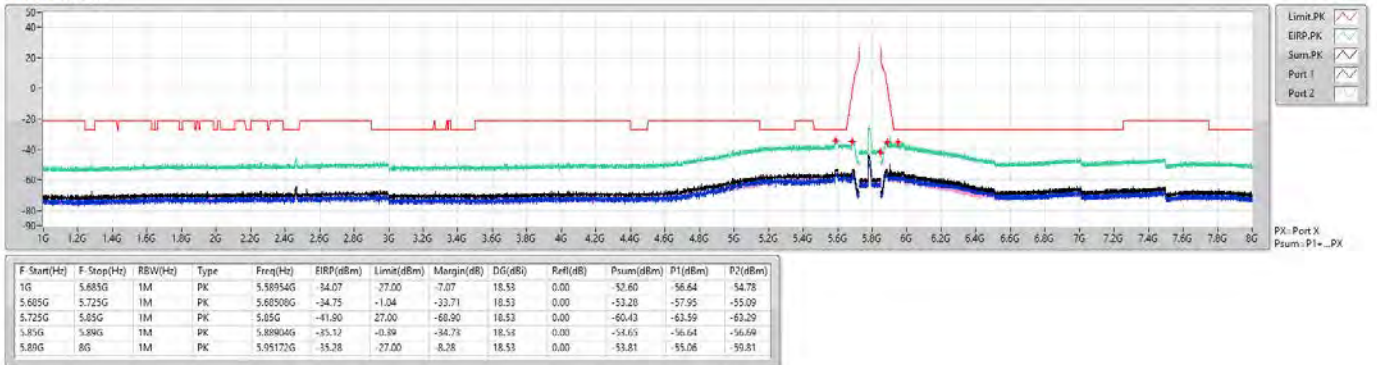


802.11a_Nss1,(6Mbps)_2TX

CSE Other [PK]

5785MHz

24/08/2022

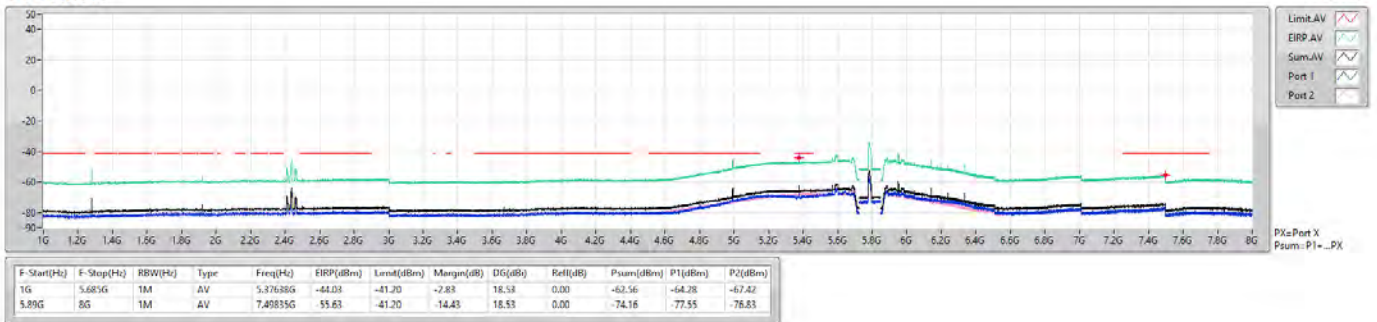


802.11a_Nss1,(6Mbps)_2TX

CSE Other [AV]

5785MHz

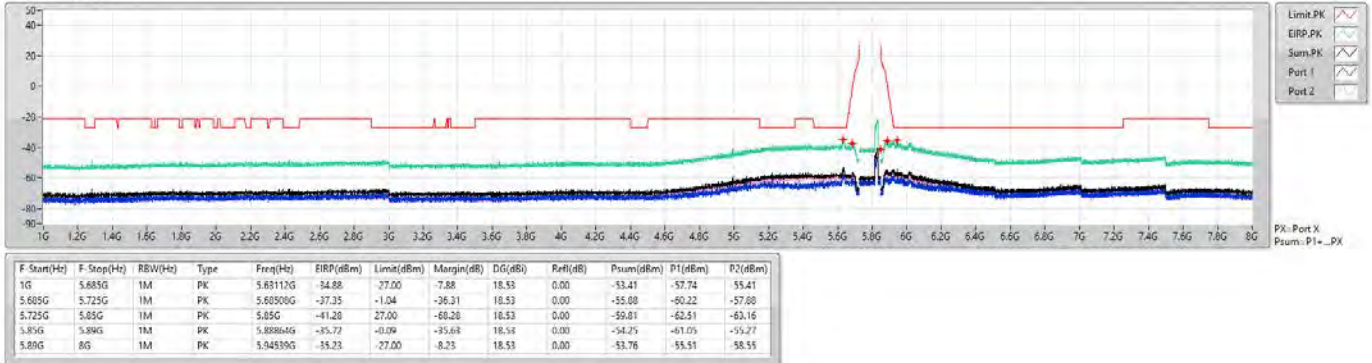
24/08/2022



802.11a_Nss1,(6Mbps)_2TX

CSE Other [PK]

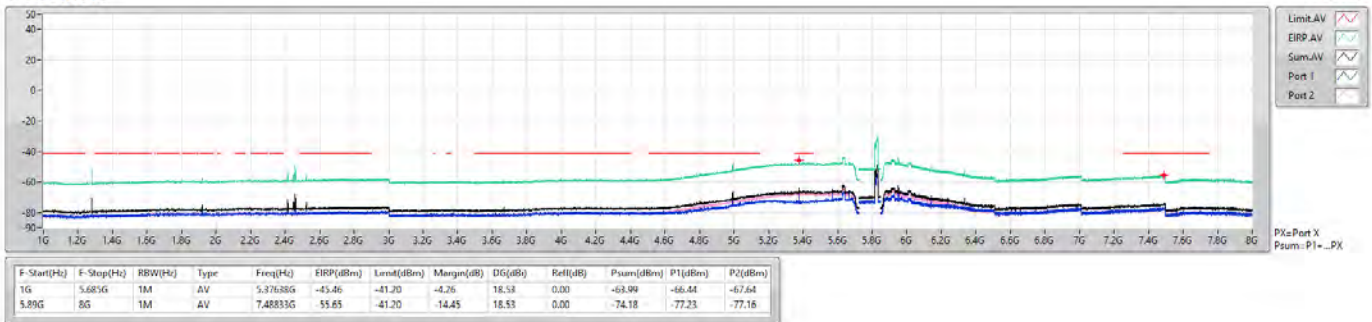
5825MHz



802.11a_Nss1,(6Mbps)_2TX

CSE Other [AV]

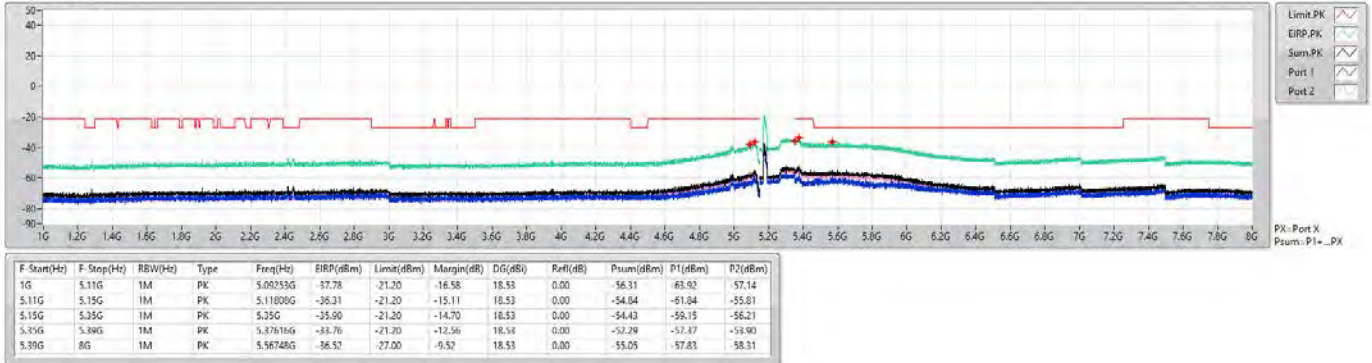
5825MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [PK]

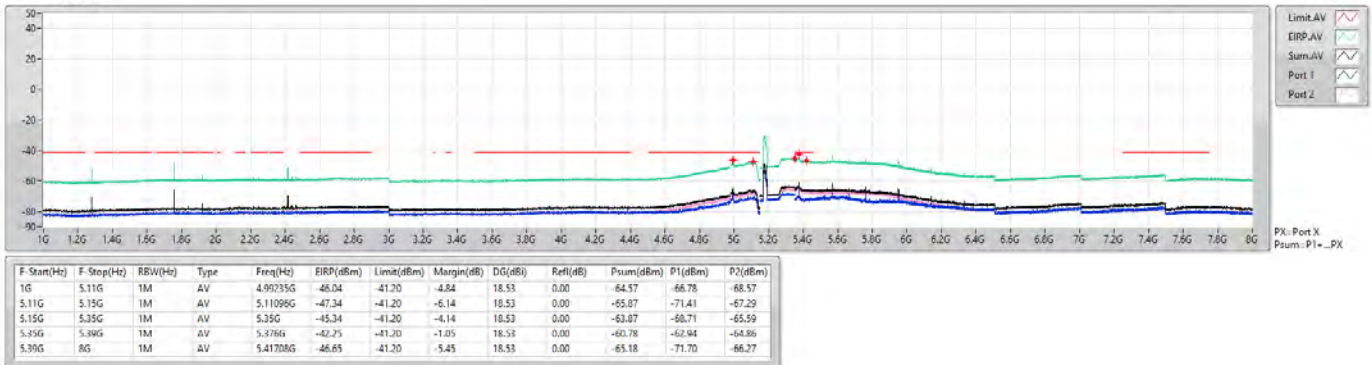
5180MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [AV]

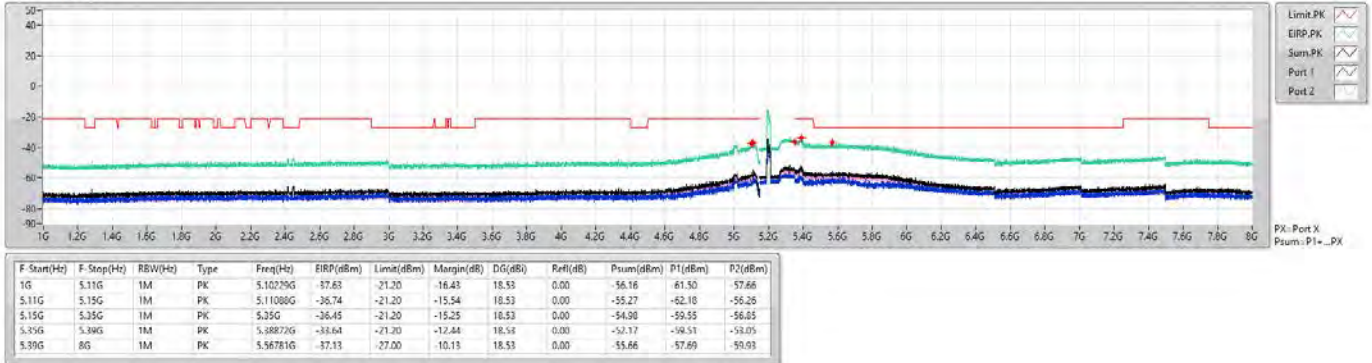
5180MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [PK]

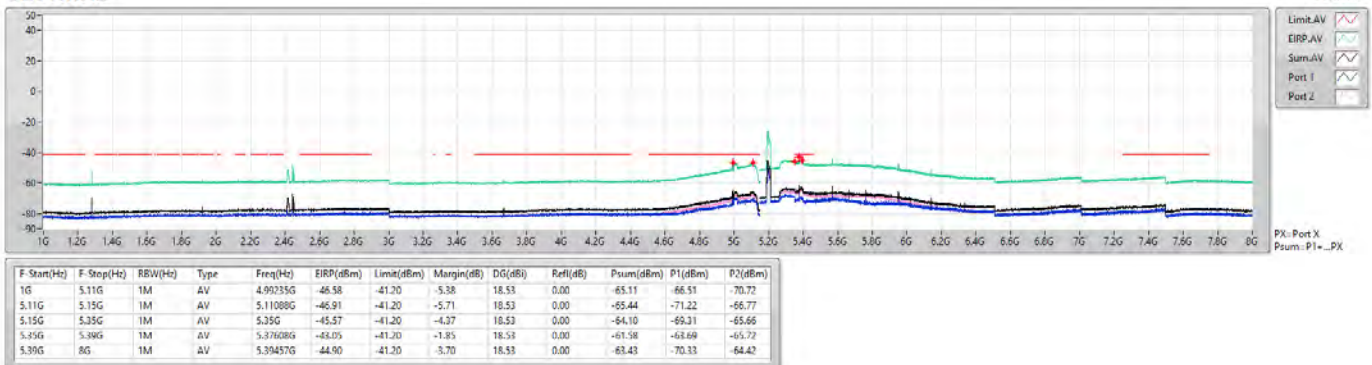
5200MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [AV]

5200MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [PK]

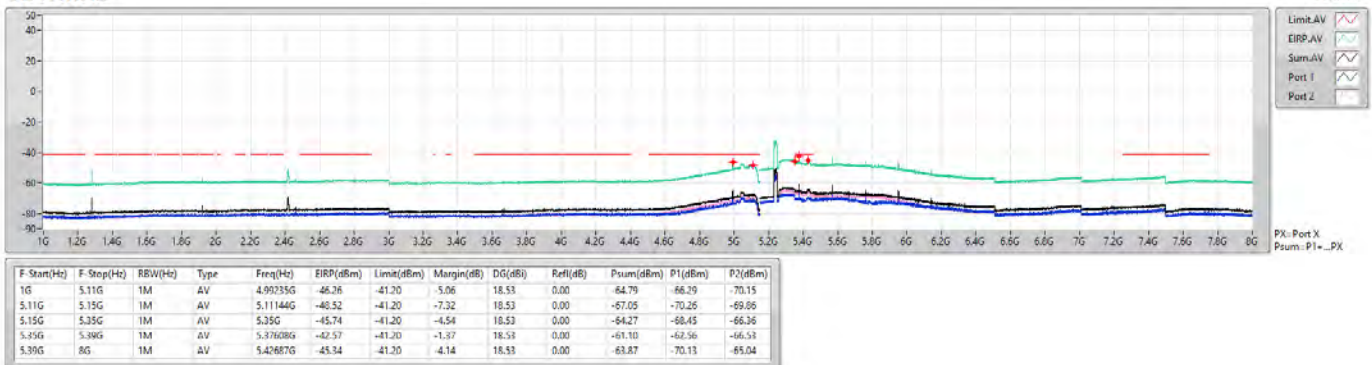
5240MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [AV]

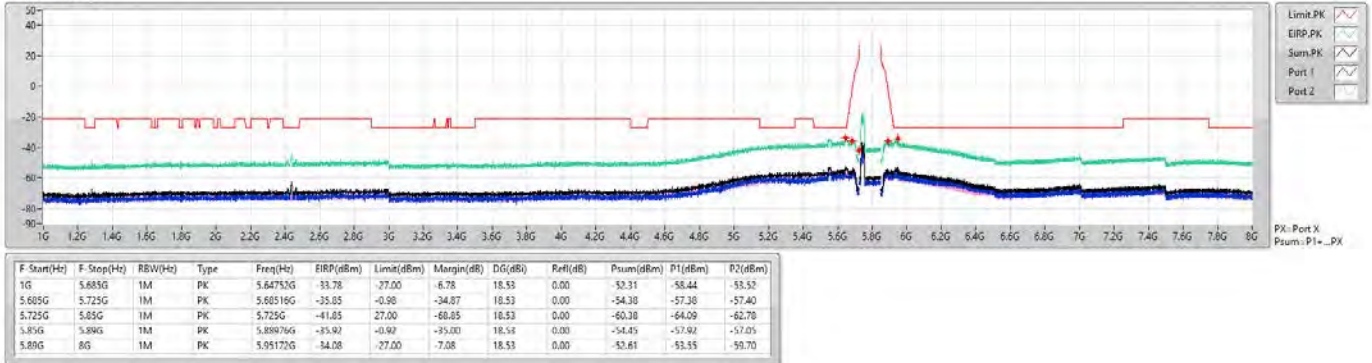
5240MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [PK]

5745MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [AV]

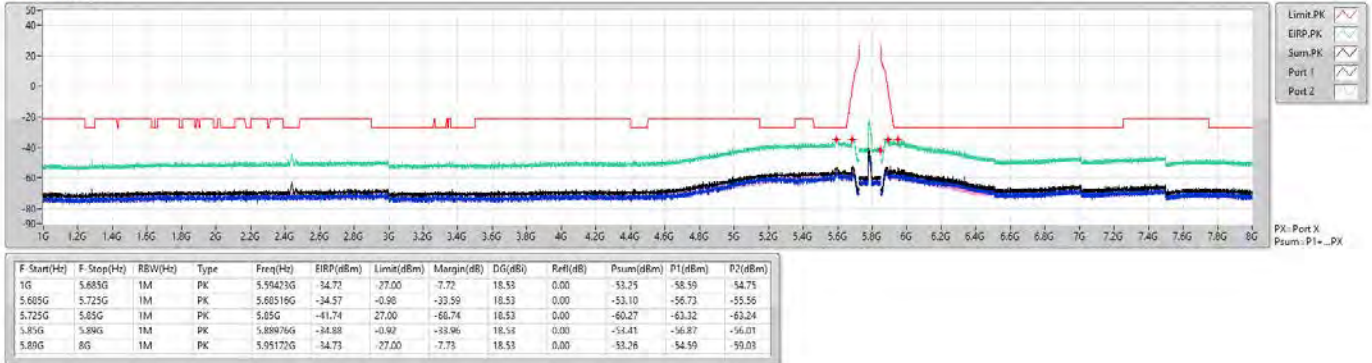
5745MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [PK]

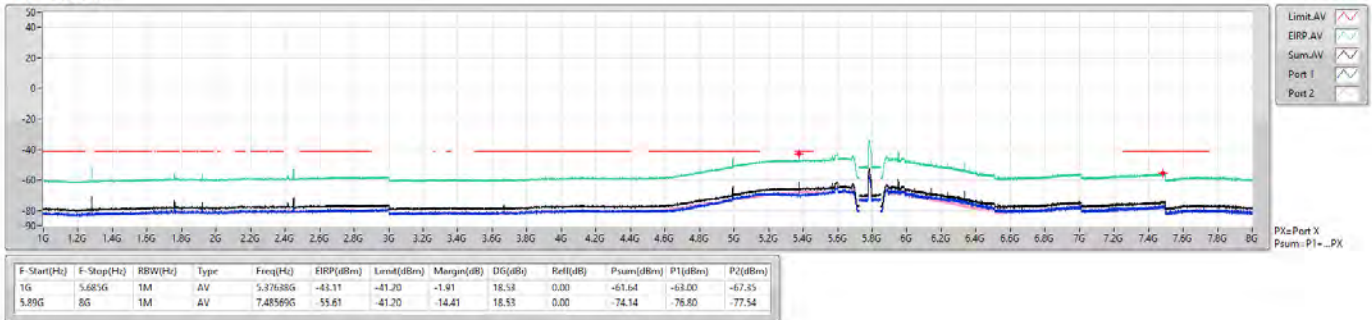
5785MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [AV]

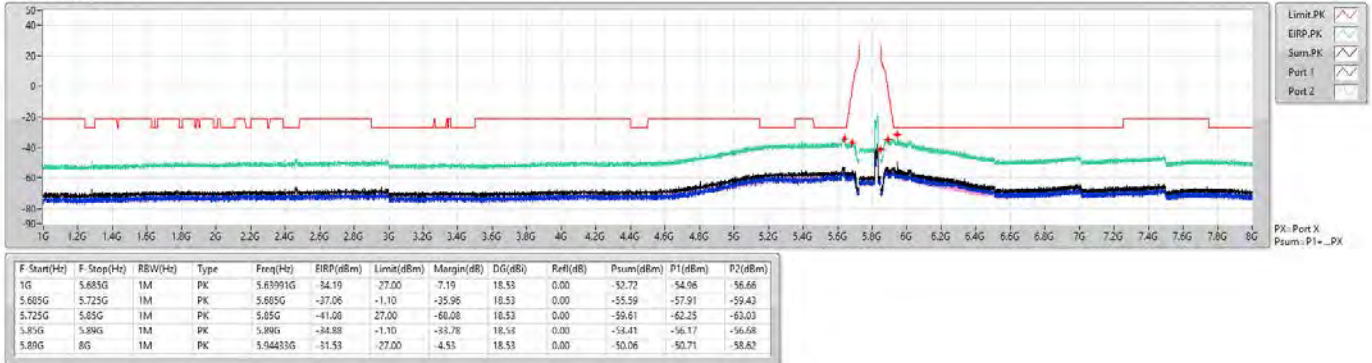
5785MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [PK]

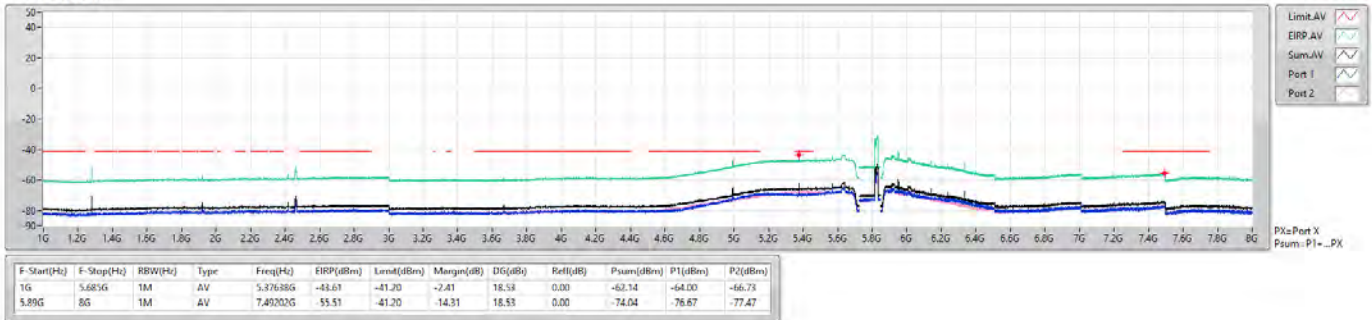
5825MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE Other [AV]

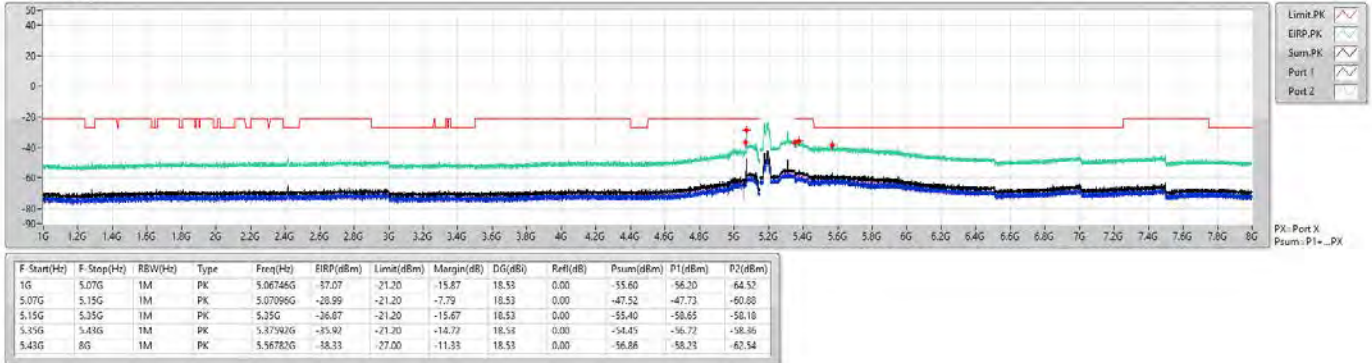
5825MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [PK]

5190MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [AV]

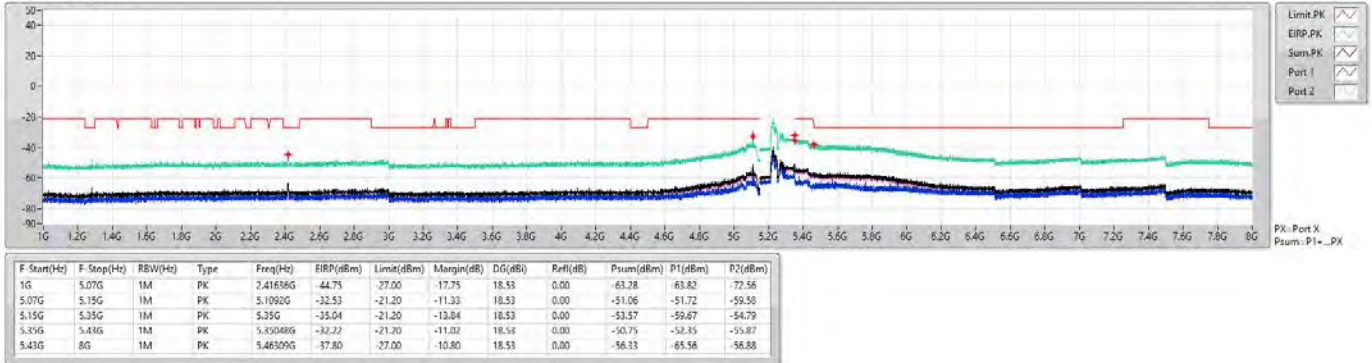
5190MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [PK]

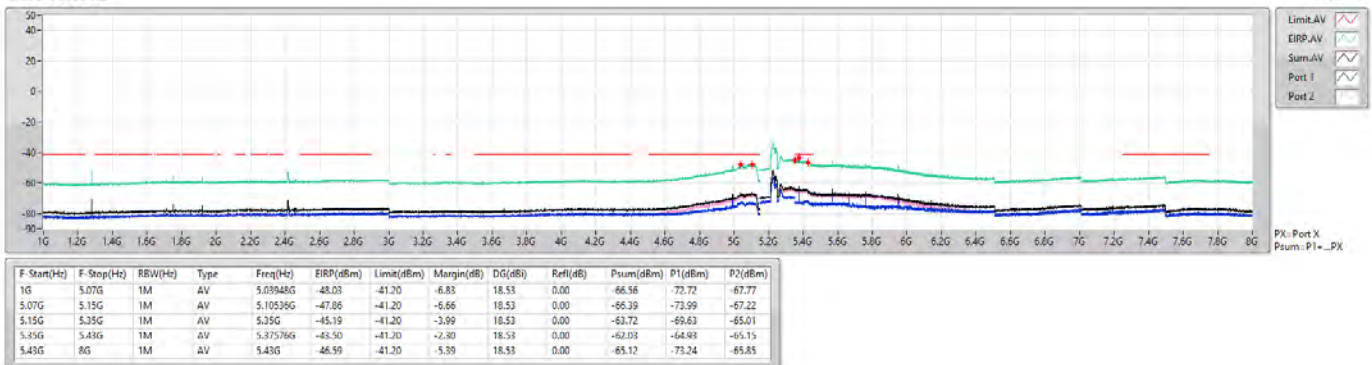
5230MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [AV]

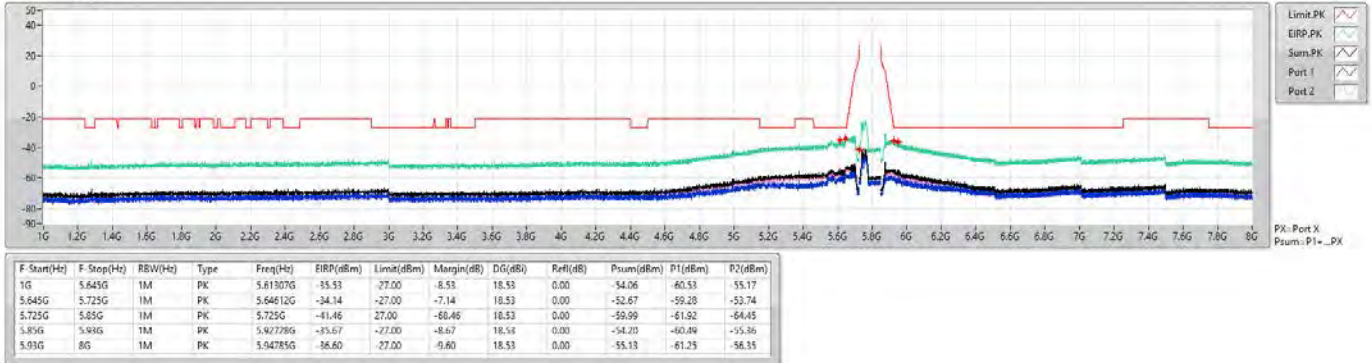
5230MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [PK]

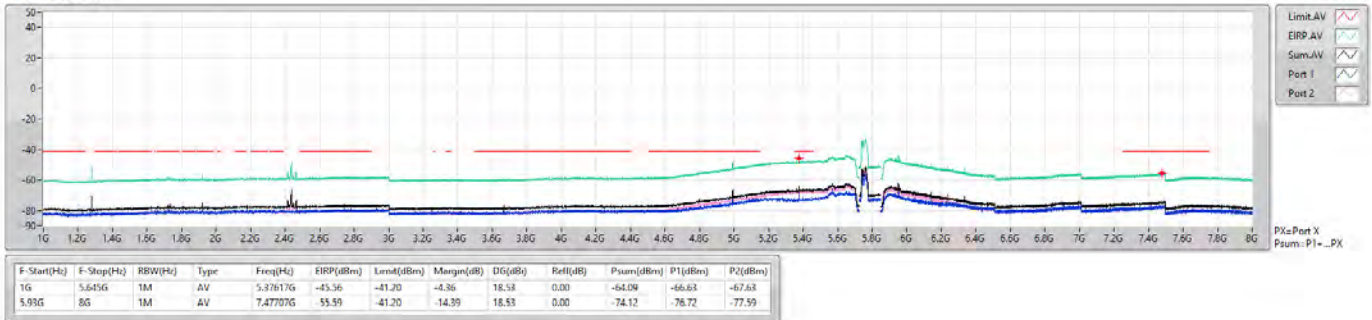
5755MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [AV]

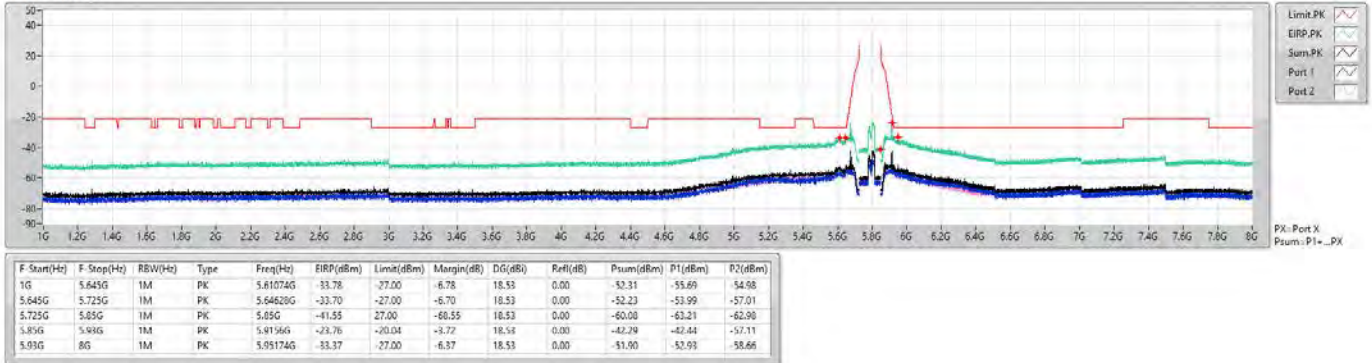
5755MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [PK]

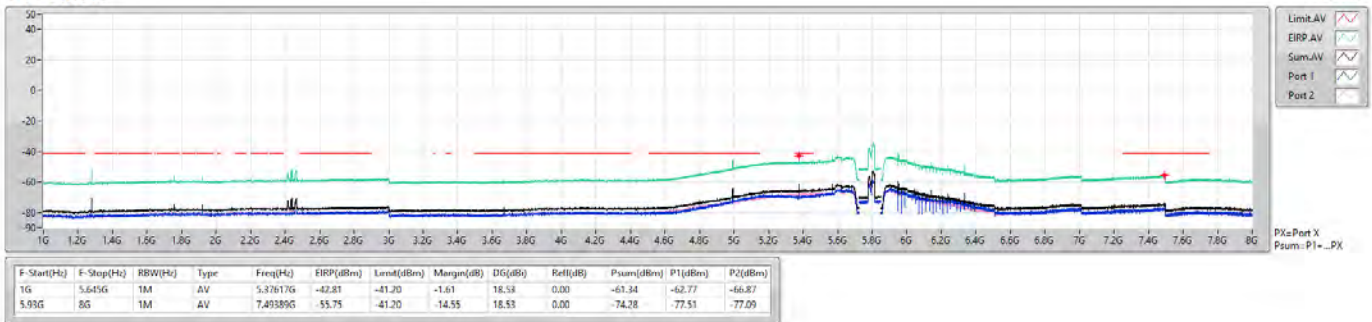
5795MHz



802.11ax HEW40_Nss1,(MCS0)_2TX

CSE Other [AV]

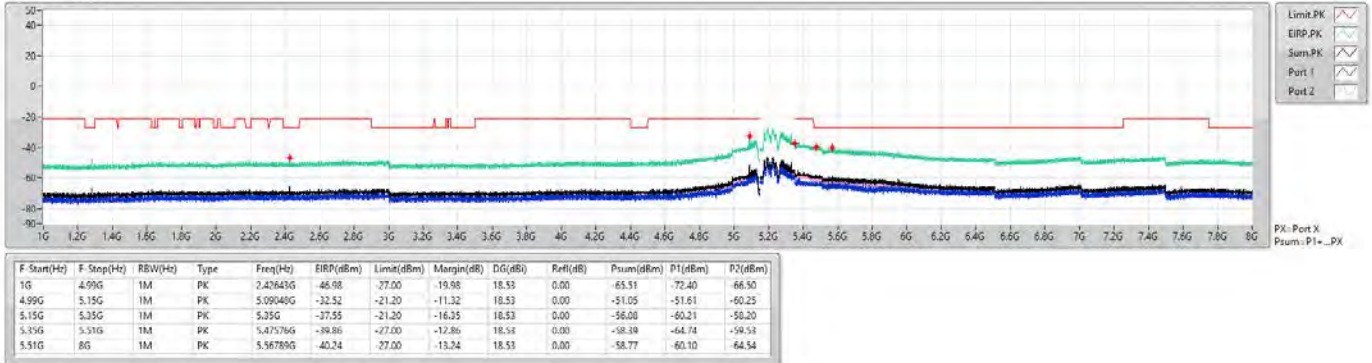
5795MHz



802.11ax HEW80_Nss1,(MCS0)_2TX

CSE Other [PK]

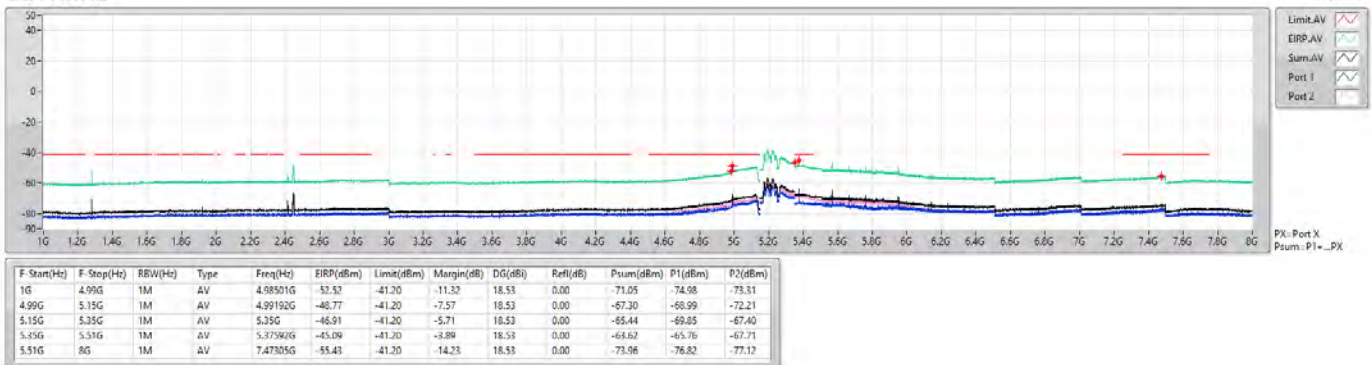
5210MHz



802.11ax HEW80_Nss1,(MCS0)_2TX

CSE Other [AV]

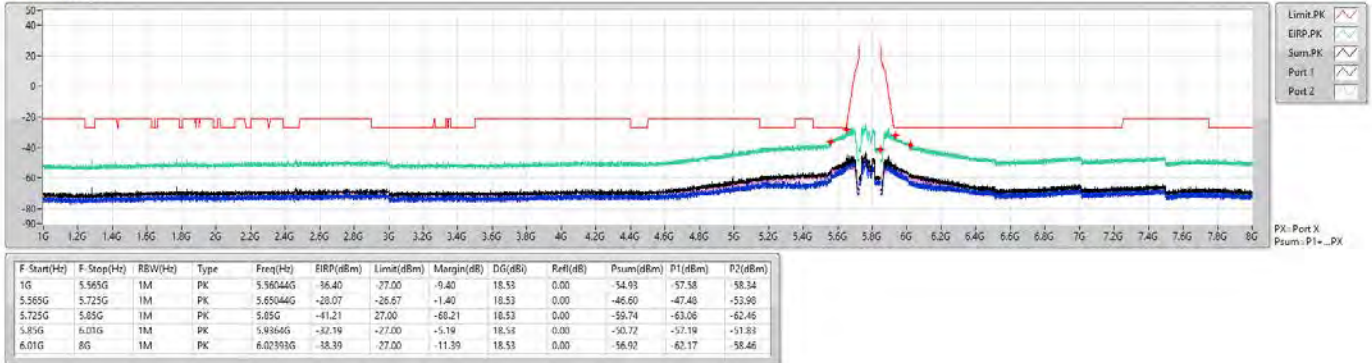
5210MHz



802.11ax HEW80_Nss1,(MCS0)_2TX

CSE Other [PK]

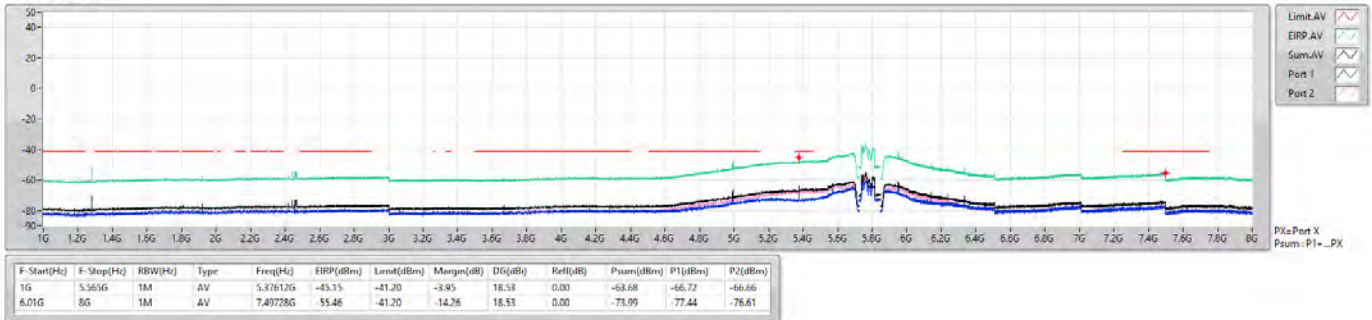
5775MHz



802.11ax HEW80_Nss1,(MCS0)_2TX

CSE Other [AV]

5775MHz



802.11a_Nss1,(6Mbps)_4TX

CSE Other [PK]

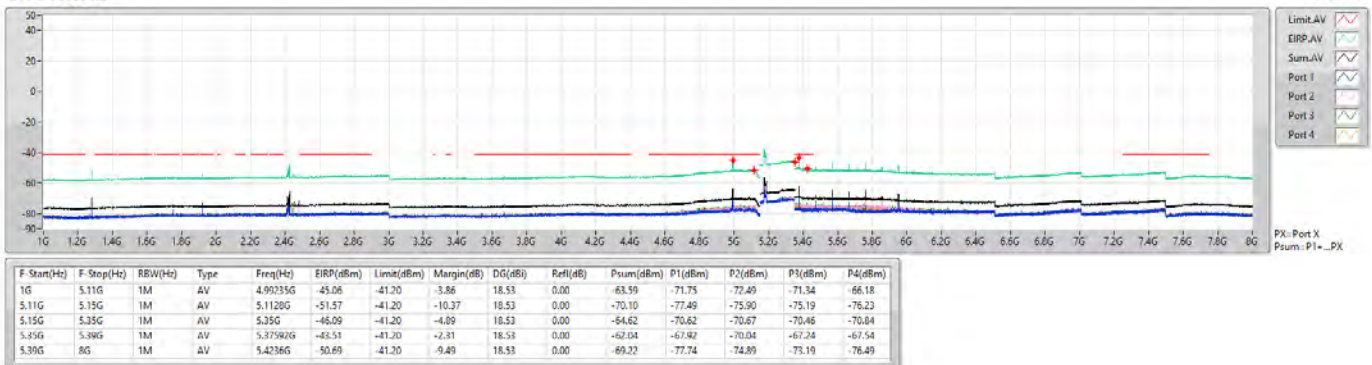
5180MHz



802.11a_Nss1,(6Mbps)_4TX

CSE Other [AV]

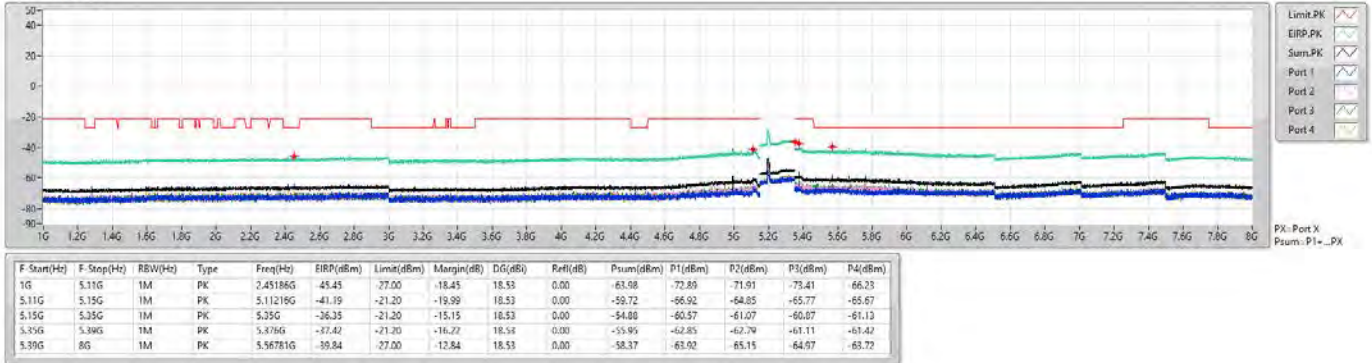
5180MHz



802.11a_Nss1,(6Mbps)_4TX

CSE Other [PK]

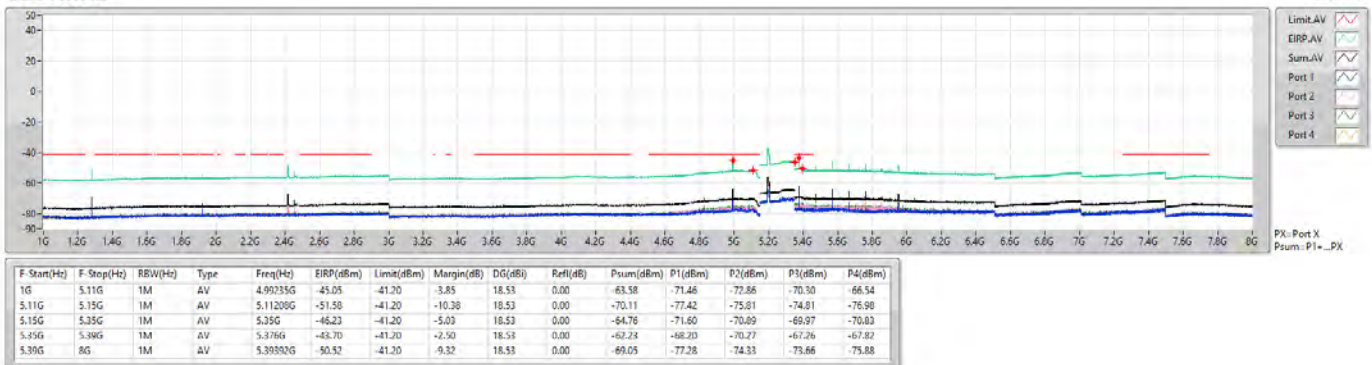
5200MHz



802.11a_Nss1,(6Mbps)_4TX

CSE Other [AV]

5200MHz



802.11a_Nss1,(6Mbps)_4TX

CSE Other [PK]

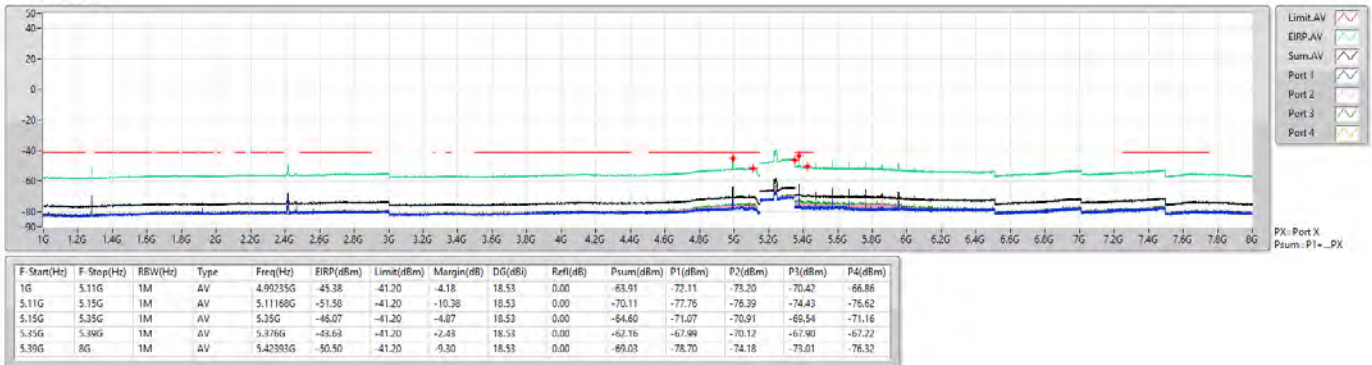
5240MHz



802.11a_Nss1,(6Mbps)_4TX

CSE Other [AV]

5240MHz

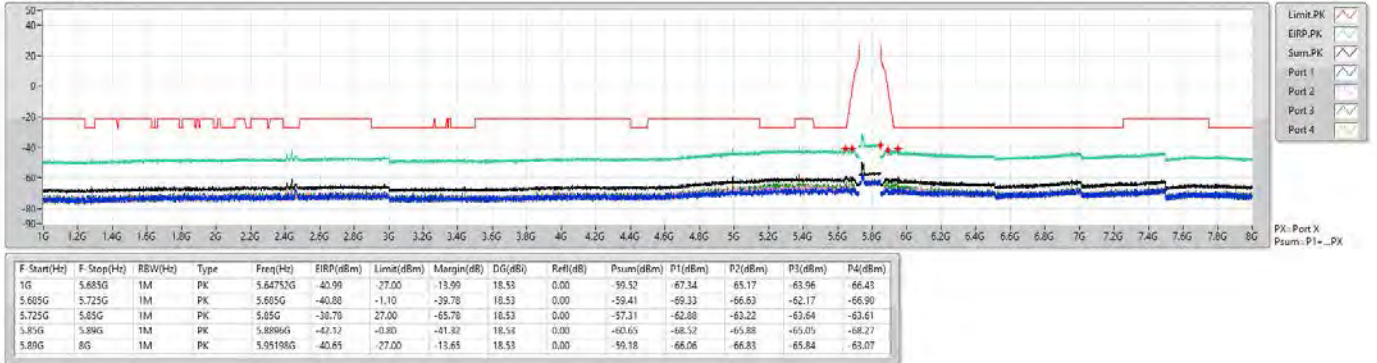


802.11a_Nss1,(6Mbps)_4TX

CSE Other [PK]

5745MHz

24/08/2022

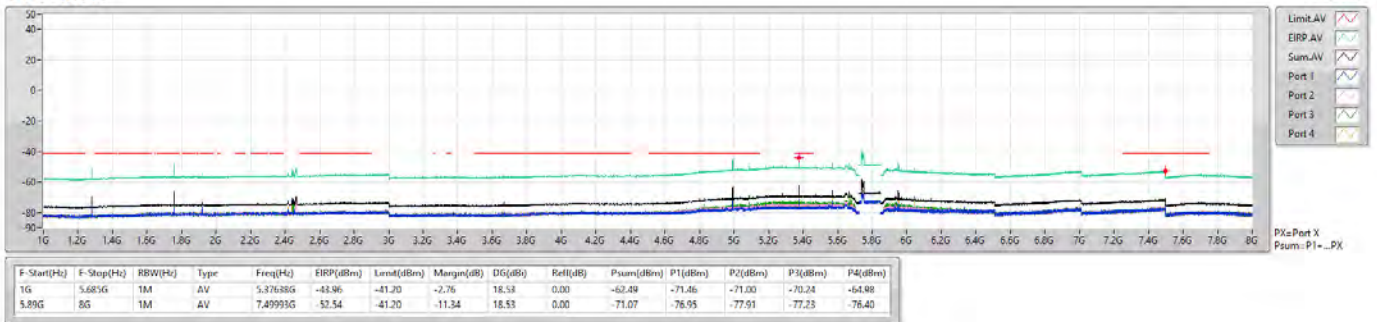


802.11a_Nss1,(6Mbps)_4TX

CSE Other [AV]

5745MHz

24/08/2022

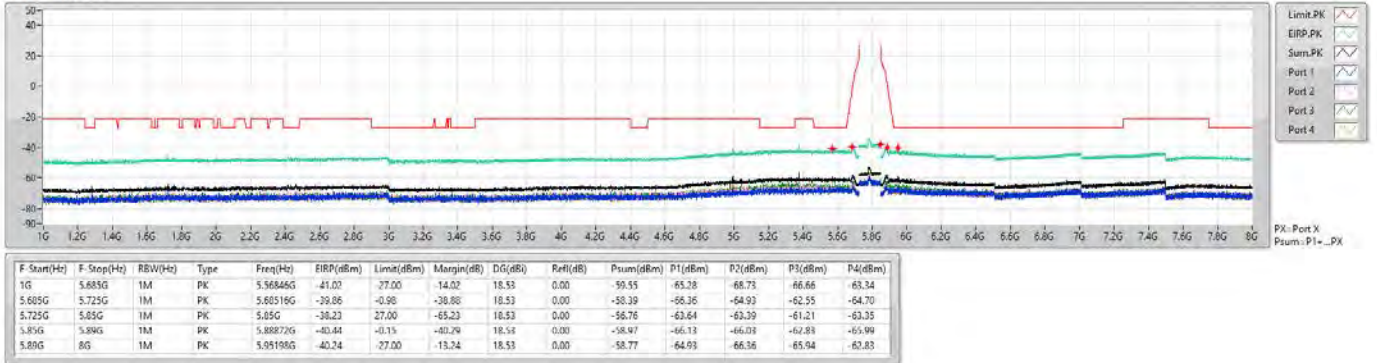


802.11a_Nss1,(6Mbps)_4TX

CSE Other [PK]

5785MHz

24/08/2022

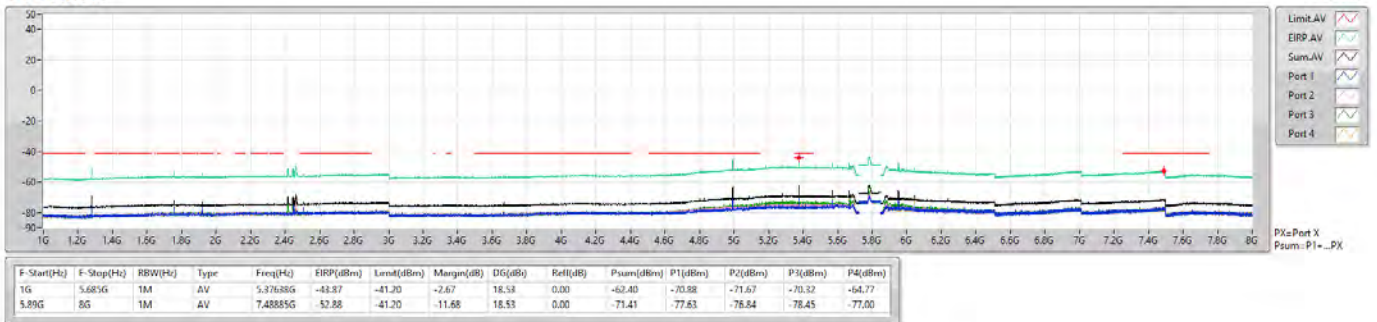


802.11a_Nss1,(6Mbps)_4TX

CSE Other [AV]

5785MHz

24/08/2022

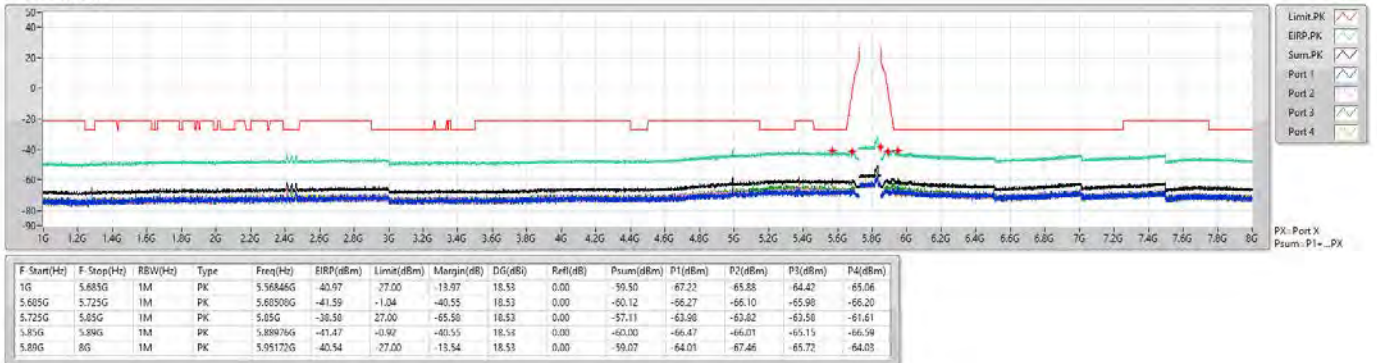


802.11a_Nss1,(6Mbps)_4TX

CSE Other [PK]

5825MHz

24/08/2022

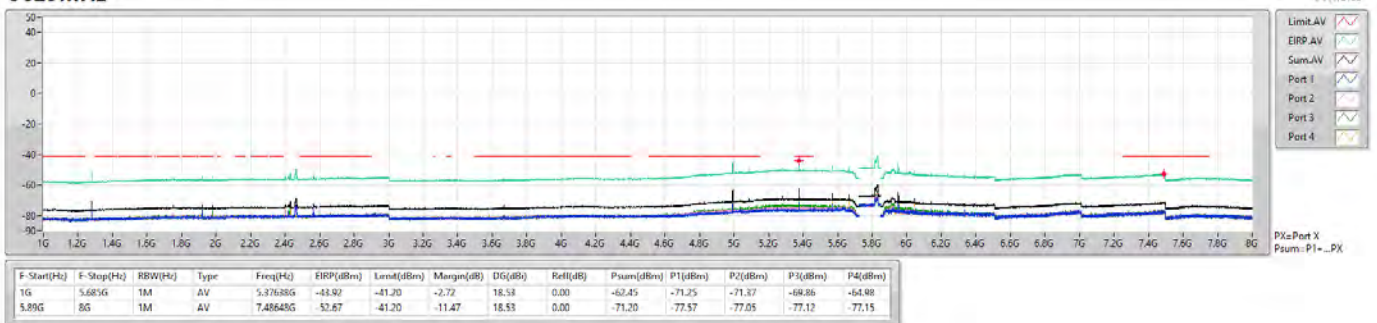


802.11a_Nss1,(6Mbps)_4TX

CSE Other [AV]

5825MHz

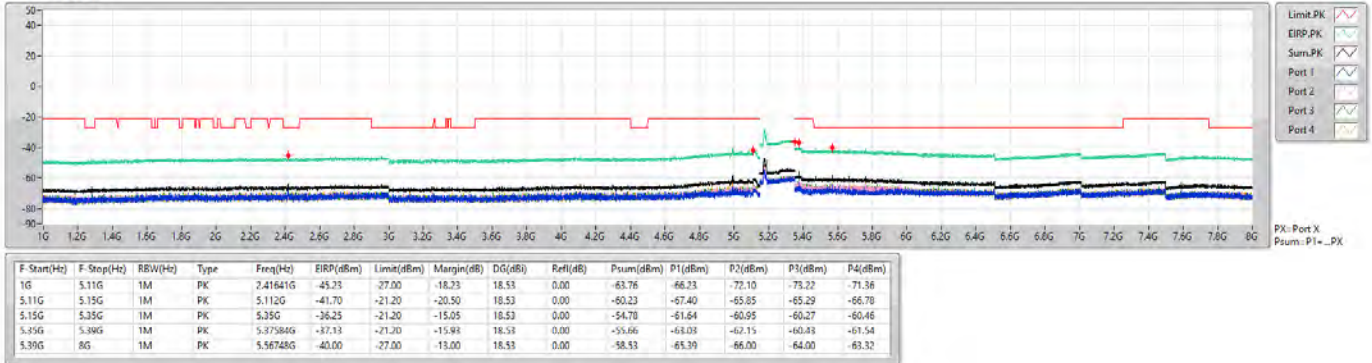
24/08/2022



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE Other [PK]

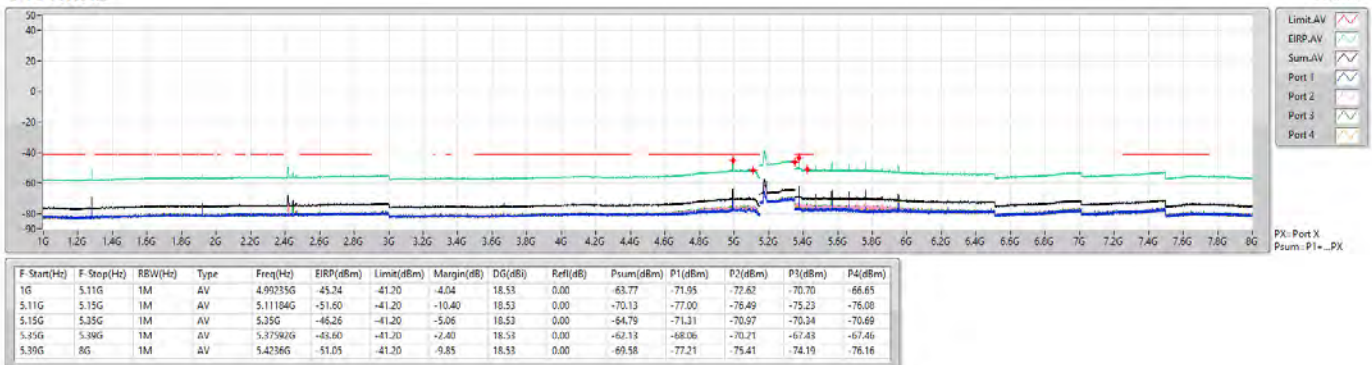
5180MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE Other [AV]

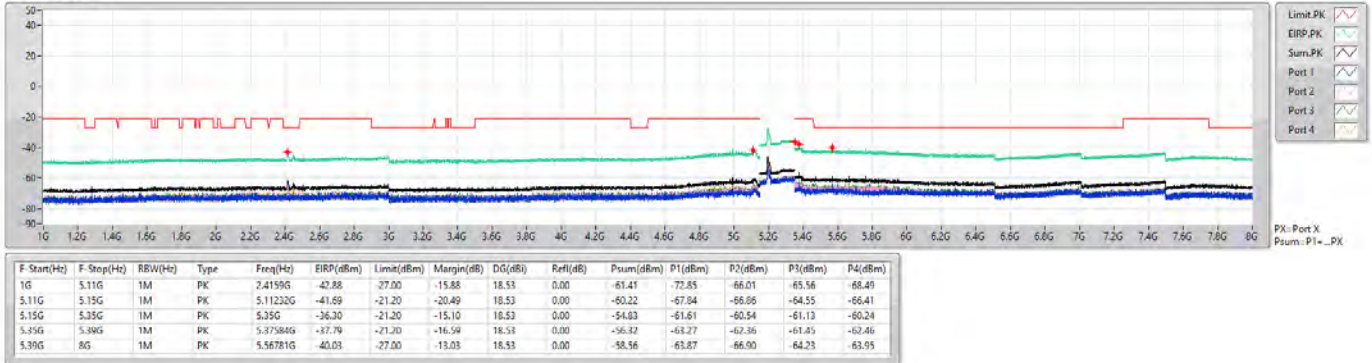
5180MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE Other [PK]

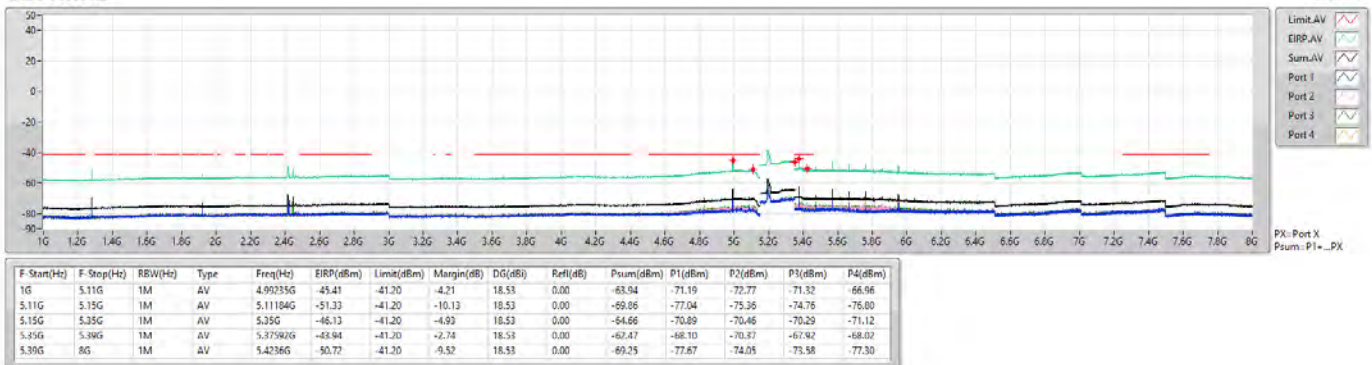
5200MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE Other [AV]

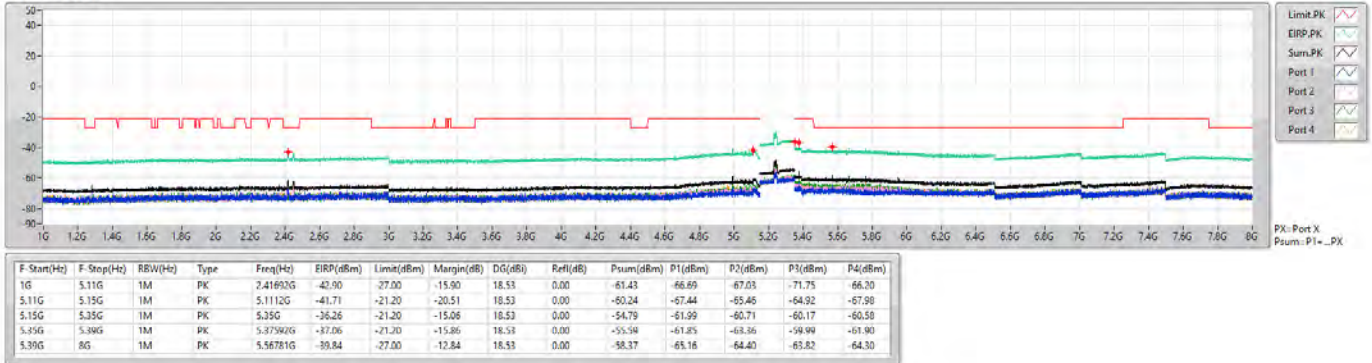
5200MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE Other [PK]

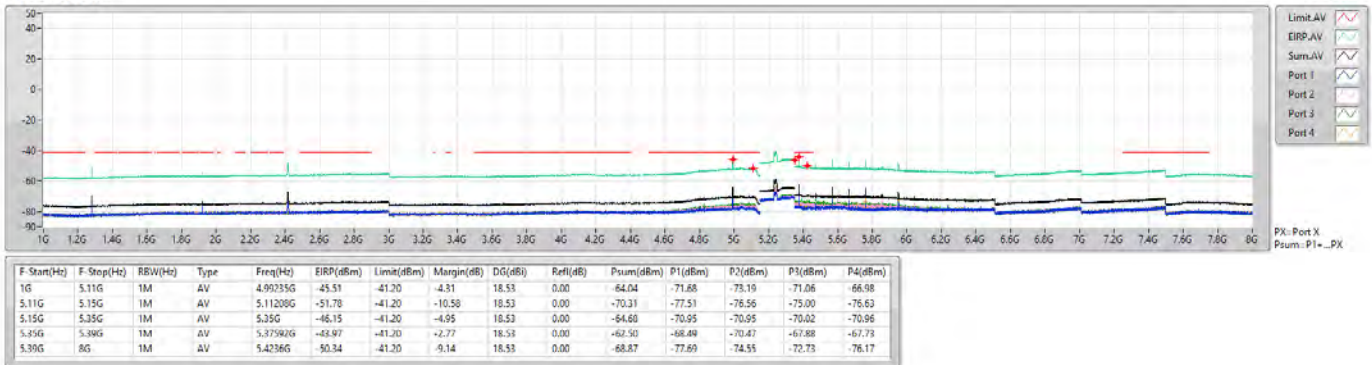
5240MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE Other [AV]

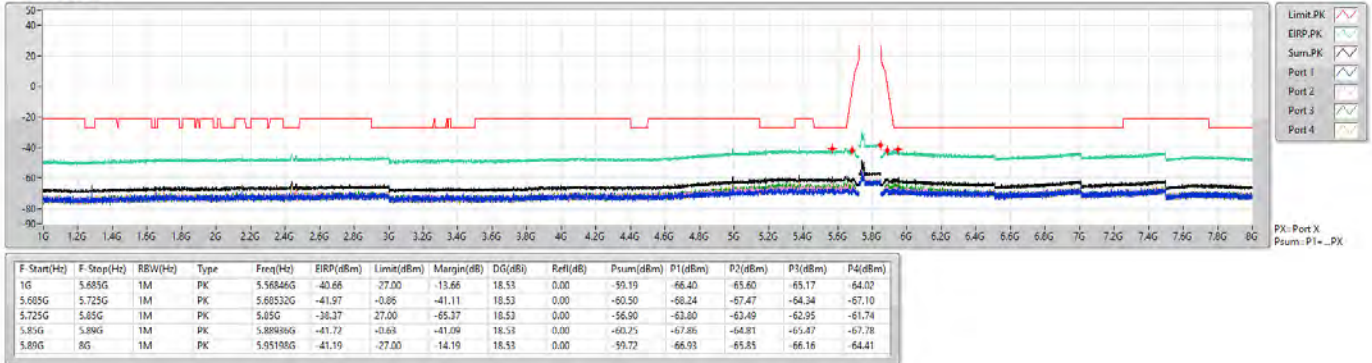
5240MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE Other [PK]

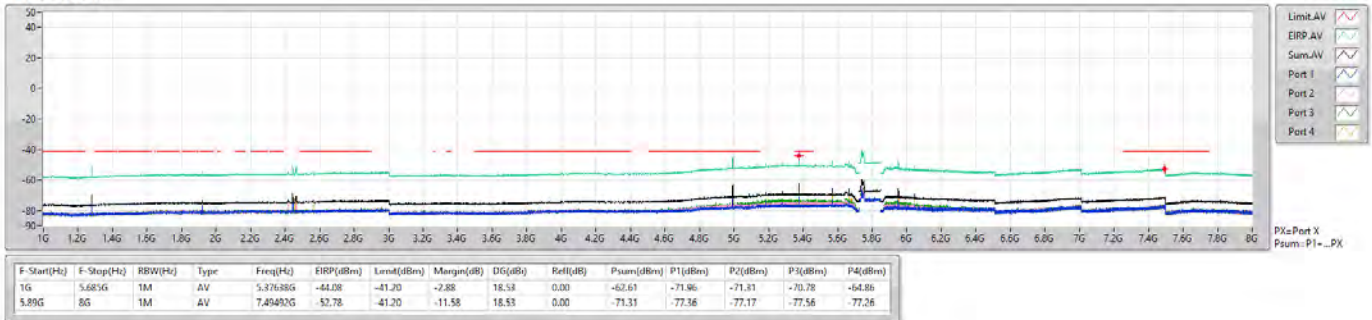
5745MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE Other [AV]

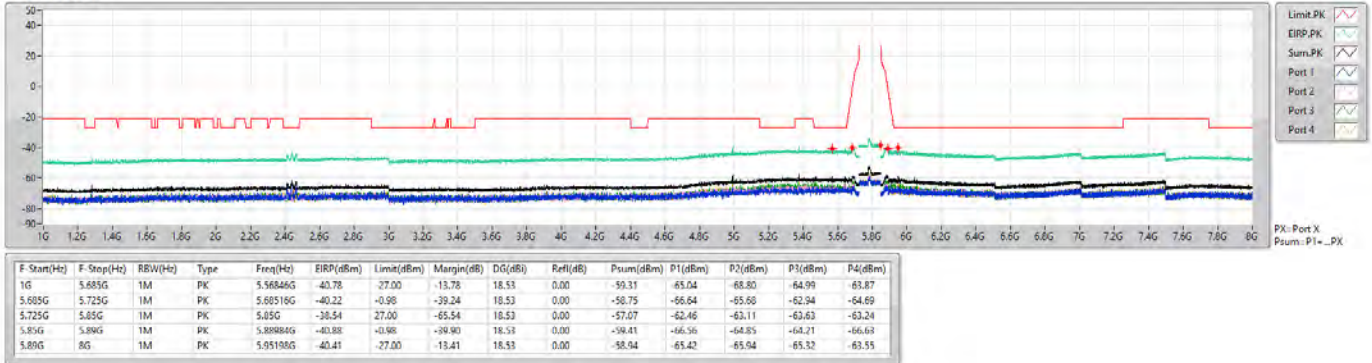
5745MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

CSE Other [PK]

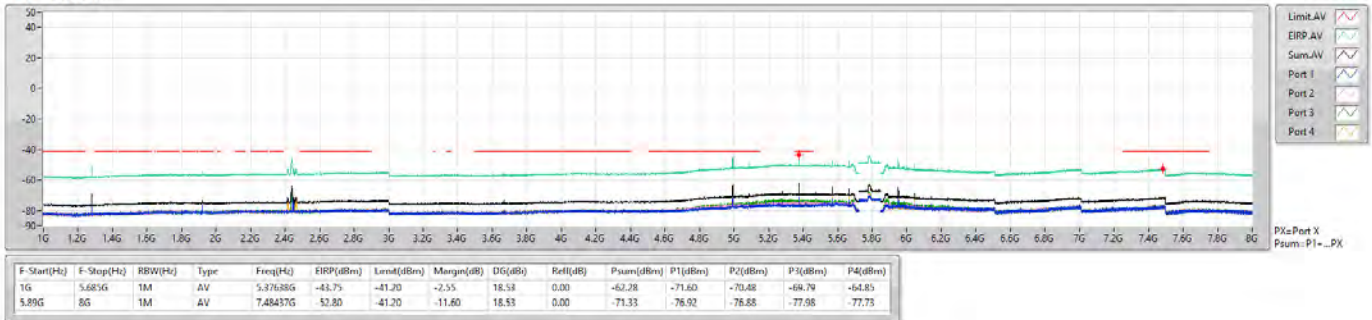
5785MHz



802.11ax HEW20_Nss1,(MCS0)_4TX

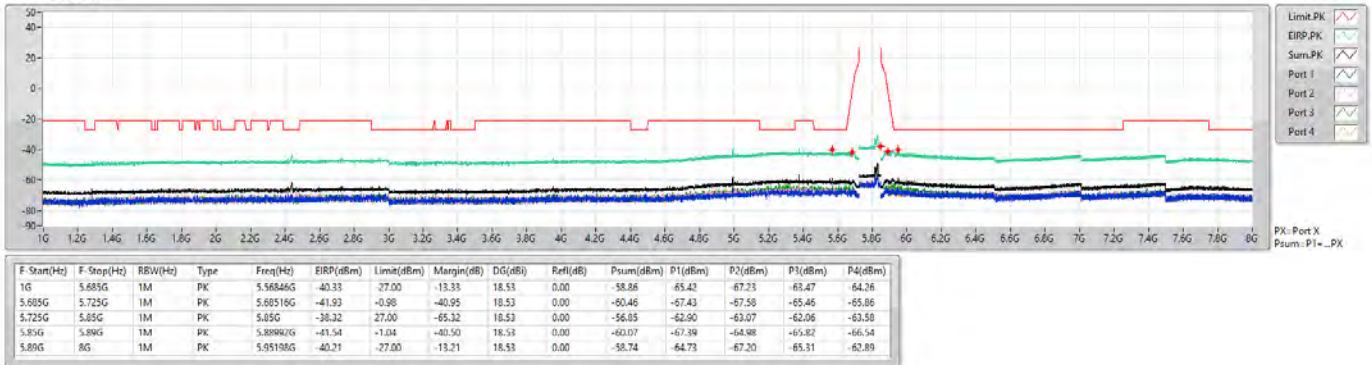
CSE Other [AV]

5785MHz



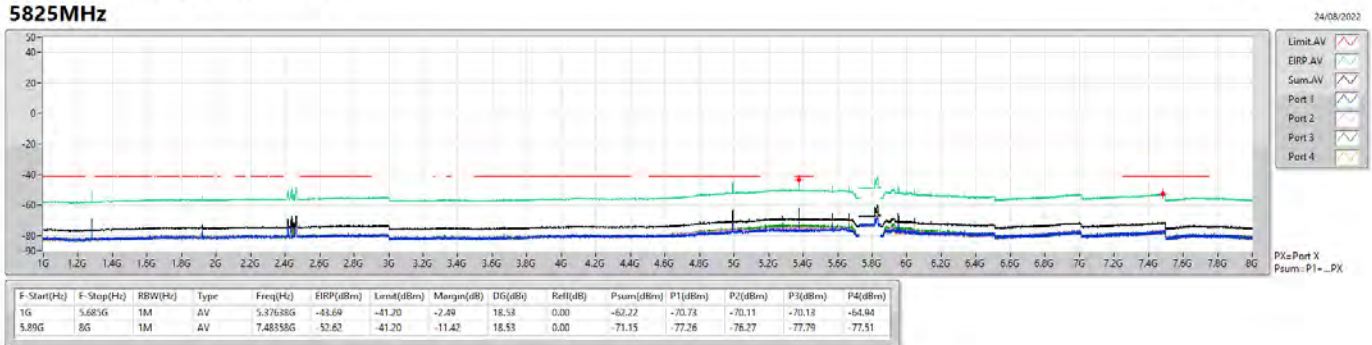
802.11ax HEW20_Nss1,(MCS0)_4TX
5825MHz

CSE Other [PK]



802.11ax HEW20_Nss1,(MCS0)_4TX
5825MHz

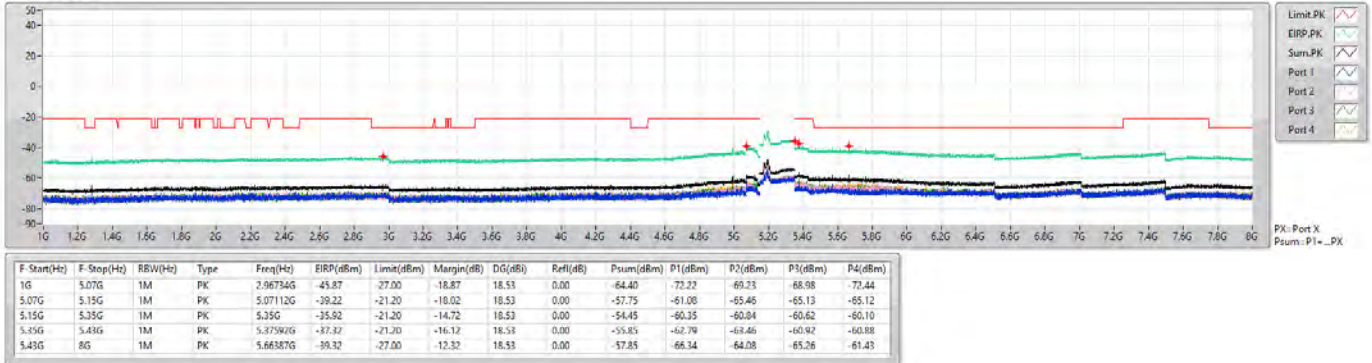
CSE Other [AV]



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE Other [PK]

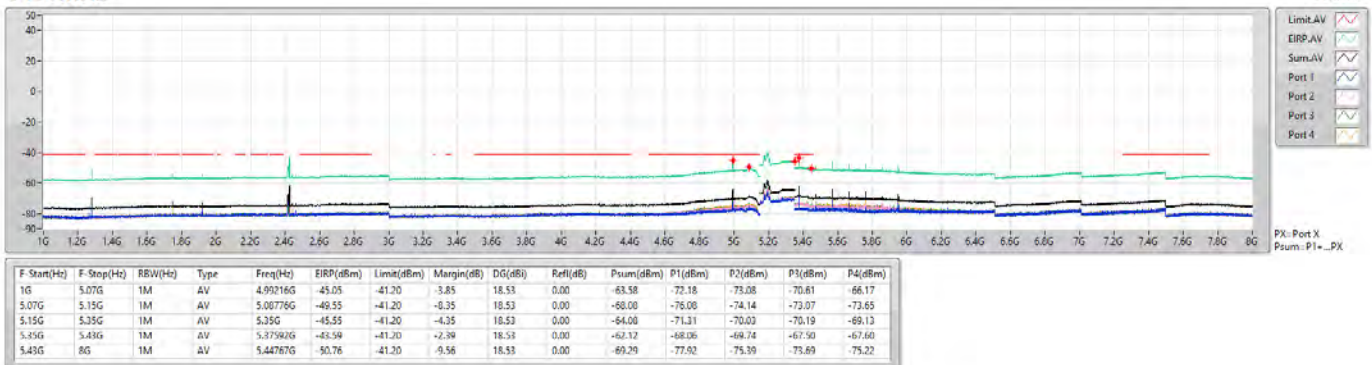
5190MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE Other [AV]

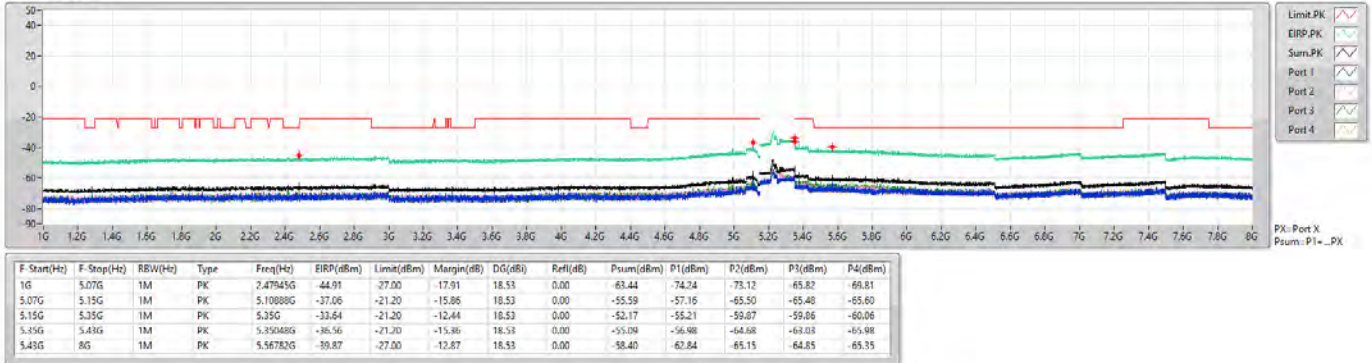
5190MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE Other [PK]

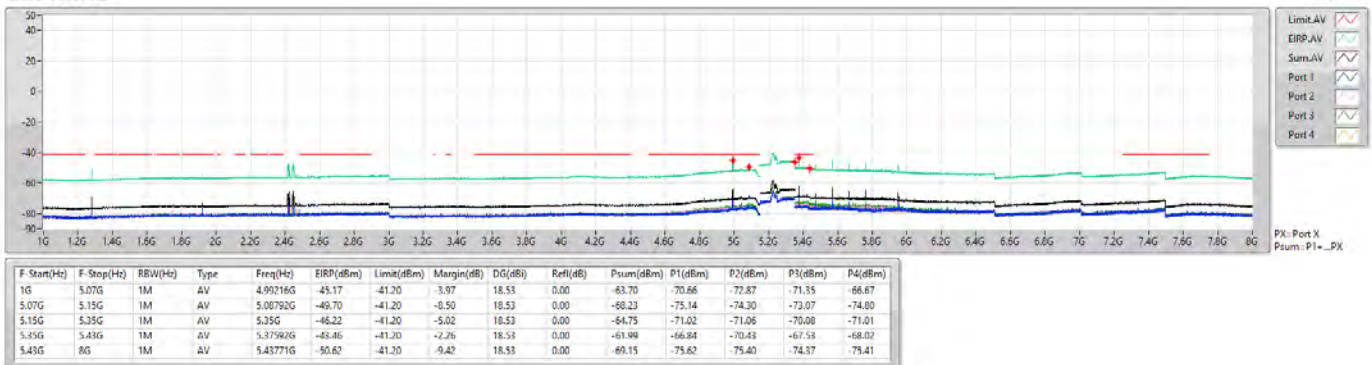
5230MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE Other [AV]

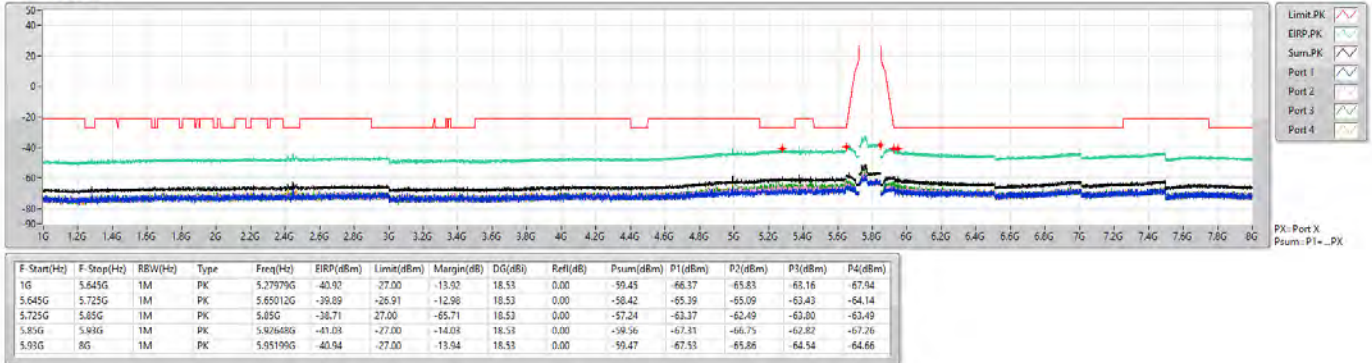
5230MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE Other [PK]

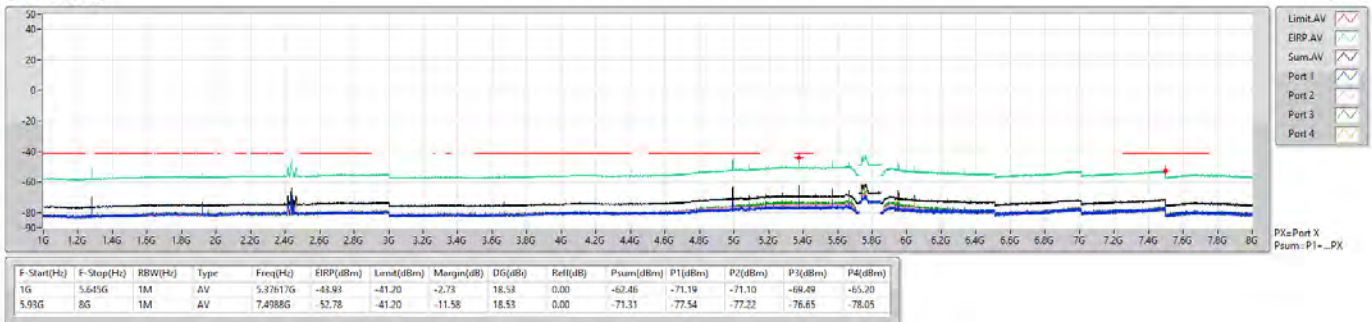
5755MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE Other [AV]

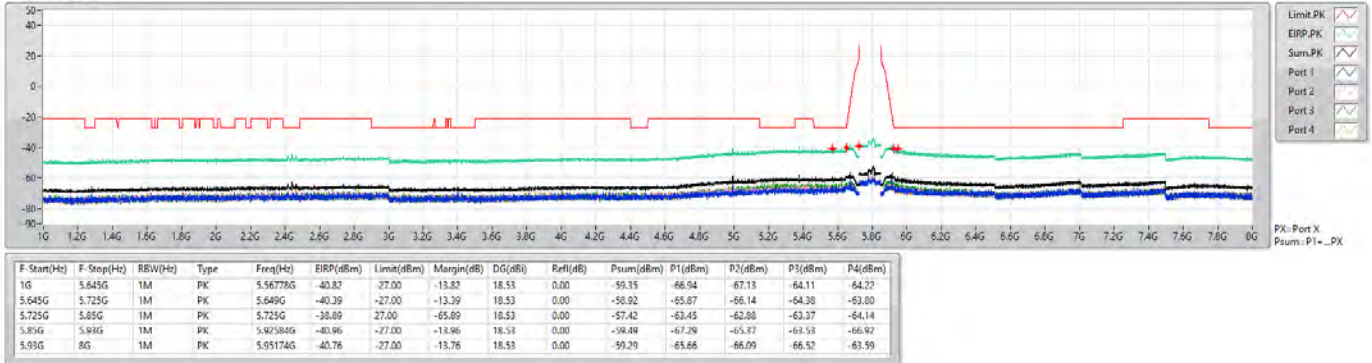
5755MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE Other [PK]

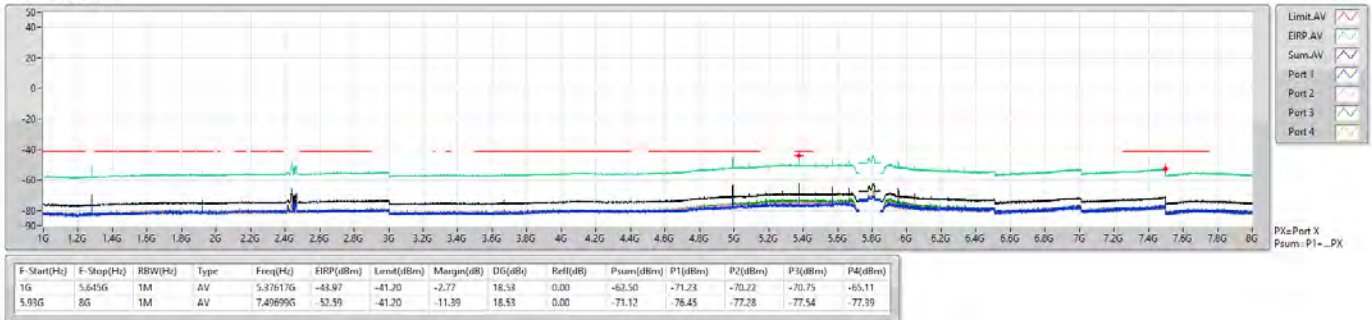
5795MHz



802.11ax HEW40_Nss1,(MCS0)_4TX

CSE Other [AV]

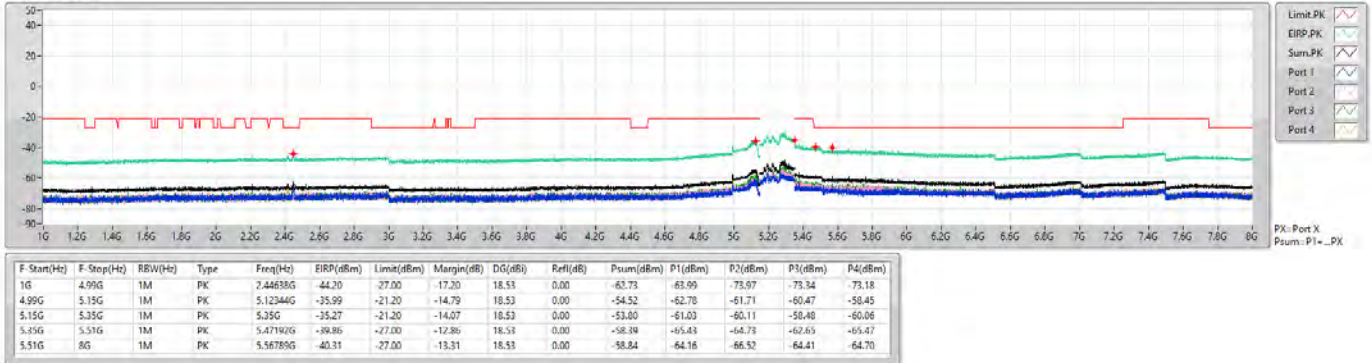
5795MHz



802.11ax HEW80_Nss1,(MCS0)_4TX

CSE Other [PK]

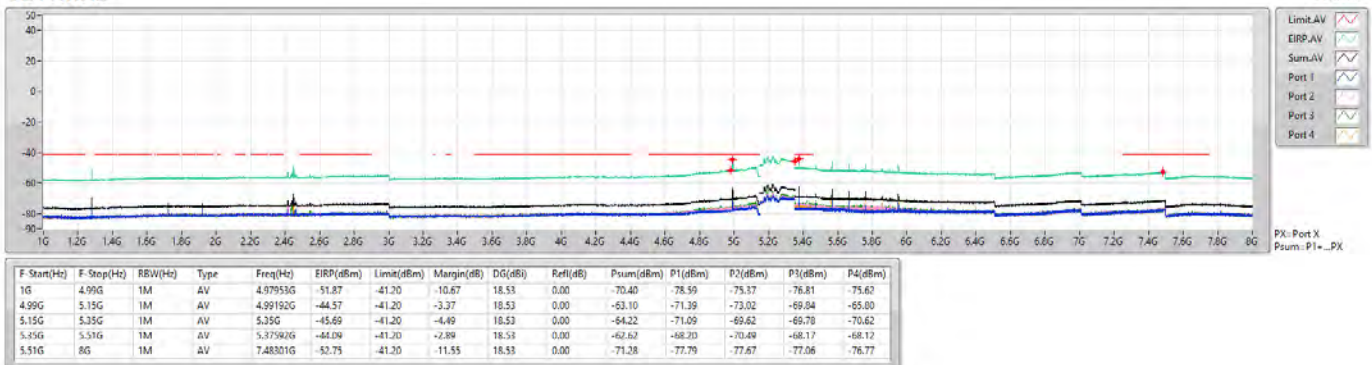
5210MHz



802.11ax HEW80_Nss1,(MCS0)_4TX

CSE Other [AV]

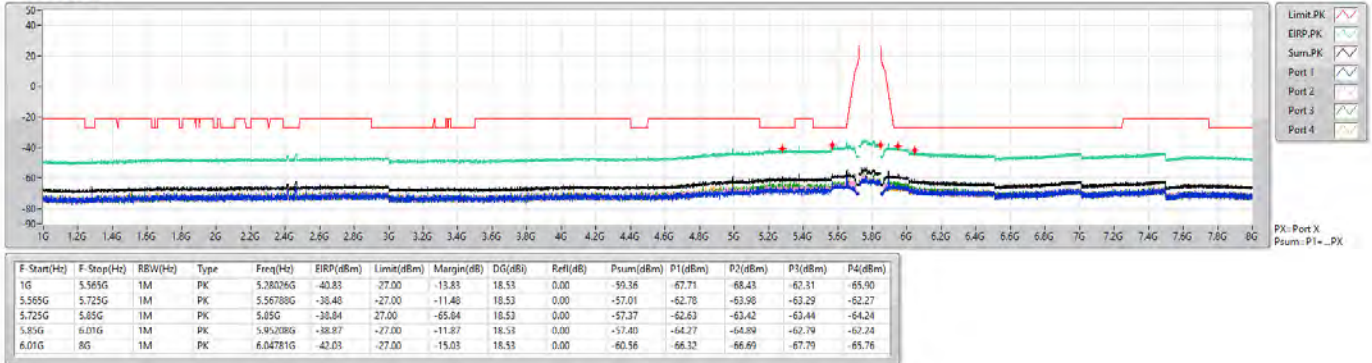
5210MHz



802.11ax HEW80_Nss1,(MCS0)_4TX

CSE Other [PK]

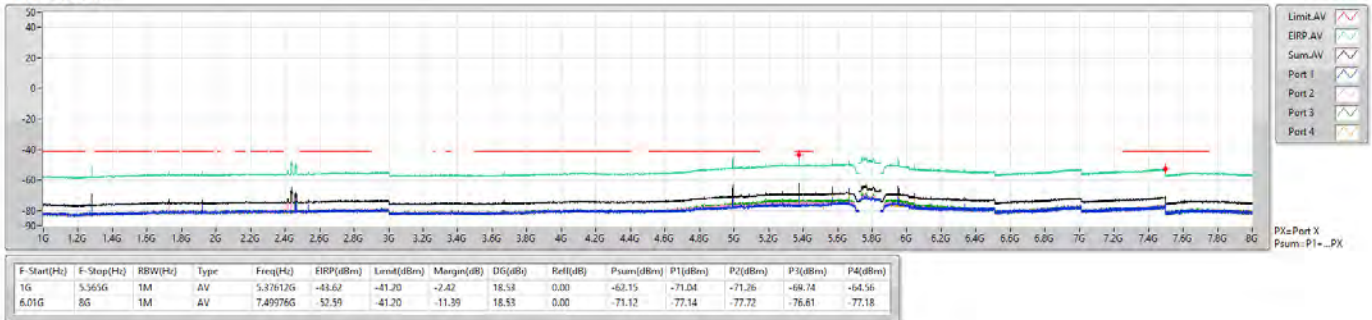
5775MHz



802.11ax HEW80_Nss1,(MCS0)_4TX

CSE Other [AV]

5775MHz





CSE_Iron R1_Antenna set 10 (Harmonic 8GHz ~ 40GHz)_P to P Appendix E.9

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	12G	40G	AV	22.0835G	18.53	-83.69				-83.69	-65.16	-41.20	-23.96
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	12G	40G	AV	22.0555G	18.53	-83.86				-83.86	-65.33	-41.20	-24.13
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	12G	40G	AV	22.15G	18.53	-83.47				-83.47	-64.94	-41.20	-23.74
802.11ax HEW80_Nss1,(MCS0)_1TX	Pass	12G	40G	AV	22.15G	18.53	-83.78				-83.78	-65.25	-41.20	-24.05
802.11a_Nss1,(6Mbps)_2TX	Pass	12G	40G	AV	22.0625G	18.53	-83.64	-84.27			-80.93	-62.40	-41.20	-21.20
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	12G	40G	AV	22.073G	18.53	-83.89	-84.07			-80.97	-62.44	-41.20	-21.24
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	12G	40G	AV	22.0765G	18.53	-84.24	-83.83			-81.02	-62.49	-41.20	-21.29
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	12G	40G	AV	22.0695G	18.53	-84.44	-83.96			-81.18	-62.65	-41.20	-21.45
802.11a_Nss1,(6Mbps)_4TX	Pass	12G	40G	AV	22.0135G	18.53	-84.11	-84.59	-84.15	-83.66	-78.09	-59.56	-41.20	-18.36
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	12G	40G	AV	22.08G	18.53	-84.30	-83.87	-84.02	-84.50	-78.15	-59.62	-41.20	-18.42
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	12G	40G	AV	22.094G	18.53	-84.66	-83.52	-84.46	-84.41	-78.22	-59.69	-41.20	-18.49
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	12G	40G	AV	22.171G	18.53	-84.24	-84.89	-83.58	-84.04	-78.14	-59.61	-41.20	-18.41
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	8G	12G	AV	11.57G	18.53	-80.76				-80.76	-62.23	-41.20	-21.03
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	8G	12G	AV	11.65G	18.53	-78.15				-78.15	-59.62	-41.20	-18.42
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	8G	12G	AV	11.5965G	18.53	-81.87				-81.87	-63.34	-41.20	-22.14
802.11ax HEW80_Nss1,(MCS0)_1TX	Pass	12G	40G	AV	22.1465G	18.53	-83.79				-83.79	-65.26	-41.20	-24.06
802.11a_Nss1,(6Mbps)_2TX	Pass	8G	12G	AV	11.568G	18.53	-84.96	-82.28			-80.41	-61.88	-41.20	-20.68
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	8G	12G	AV	11.4915G	18.53	-81.41	-85.52			-79.99	-61.46	-41.20	-20.26
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	12G	40G	AV	22.024G	18.53	-83.72	-84.25			-80.97	-62.44	-41.20	-21.24
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	12G	40G	AV	22.0135G	18.53	-84.22	-84.41			-81.30	-62.77	-41.20	-21.57
802.11a_Nss1,(6Mbps)_4TX	Pass	12G	40G	AV	22.038G	18.53	-84.58	-83.69	-84.46	-84.01	-78.15	-59.62	-41.20	-18.42
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	12G	40G	AV	22.0275G	18.53	-84.15	-84.99	-84.22	-83.60	-78.19	-59.66	-41.20	-18.46
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	12G	40G	AV	22.143G	18.53	-84.02	-83.10	-84.59	-84.69	-78.03	-59.50	-41.20	-18.30
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	12G	40G	AV	22.143G	18.53	-84.56	-82.60	-84.37	-84.90	-77.99	-59.46	-41.20	-18.26

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX