



CSE_Pine R2_Antenna set 3 (Harmonic 8GHz ~ 40GHz)_P to M Appendix E.12

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5825MHz	Pass	8G	12G	AV	11.642G	3.00	-71.99				-71.99	-68.99	-41.20	-27.79
5825MHz	Pass	12G	40G	AV	39.8215G	3.00	-60.99				-60.99	-57.99	-41.20	-16.79
5825MHz	Pass	8G	12G	PK	10.528G	3.00	-60.91				-60.91	-57.91	-27.00	-30.91
5825MHz	Pass	8G	12G	PK	11.645G	3.00	-61.98				-61.98	-58.98	-21.20	-37.78
5825MHz	Pass	12G	40G	PK	38.3865G	3.00	-53.75				-53.75	-50.75	-27.00	-23.75
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	8G	12G	AV	10.6G	3.00	-72.52				-72.52	-69.52	-41.20	-28.32
5190MHz	Pass	8G	12G	AV	11.7925G	3.00	-70.93				-70.93	-67.93	-41.20	-26.73
5190MHz	Pass	12G	40G	AV	15.5805G	3.00	-60.78				-60.78	-57.78	-41.20	-16.58
5190MHz	Pass	8G	12G	PK	10.0785G	3.00	-60.80				-60.80	-57.80	-27.00	-30.80
5190MHz	Pass	8G	12G	PK	10.4075G	3.00	-62.74				-62.74	-59.74	-27.00	-32.74
5190MHz	Pass	12G	40G	PK	38.3795G	3.00	-53.80				-53.80	-50.80	-27.00	-23.80
5230MHz	Pass	8G	12G	AV	10.6G	3.00	-73.19				-73.19	-70.19	-41.20	-28.99
5230MHz	Pass	8G	12G	AV	11.2125G	3.00	-71.09				-71.09	-68.09	-41.20	-26.89
5230MHz	Pass	12G	40G	AV	39.797G	3.00	-61.17				-61.17	-58.17	-41.20	-16.97
5230MHz	Pass	8G	12G	PK	10.0415G	3.00	-60.78				-60.78	-57.78	-27.00	-30.78
5230MHz	Pass	8G	12G	PK	10.472G	3.00	-62.58				-62.58	-59.58	-27.00	-32.58
5230MHz	Pass	12G	40G	PK	38.397G	3.00	-53.64				-53.64	-50.64	-27.00	-23.64
5755MHz	Pass	8G	12G	AV	10.9845G	3.00	-71.02				-71.02	-68.02	-41.20	-26.82
5755MHz	Pass	8G	12G	AV	11.4895G	3.00	-72.24				-72.24	-69.24	-41.20	-28.04
5755MHz	Pass	12G	40G	AV	39.818G	3.00	-60.73				-60.73	-57.73	-41.20	-16.53
5755MHz	Pass	8G	12G	PK	10.559G	3.00	-60.77				-60.77	-57.77	-27.00	-30.77
5755MHz	Pass	8G	12G	PK	11.5375G	3.00	-61.72				-61.72	-58.72	-21.20	-37.52
5755MHz	Pass	12G	40G	PK	38.4355G	3.00	-53.05				-53.05	-50.05	-27.00	-23.05
5795MHz	Pass	8G	12G	AV	10.9225G	3.00	-70.39				-70.39	-67.39	-41.20	-26.19
5795MHz	Pass	8G	12G	AV	11.5765G	3.00	-71.90				-71.90	-68.90	-41.20	-27.70
5795MHz	Pass	12G	40G	AV	39.8075G	3.00	-60.94				-60.94	-57.94	-41.20	-16.74
5795MHz	Pass	8G	12G	PK	10.0235G	3.00	-61.27				-61.27	-58.27	-27.00	-31.27
5795MHz	Pass	8G	12G	PK	11.5965G	3.00	-61.48				-61.48	-58.48	-21.20	-37.28
5795MHz	Pass	12G	40G	PK	37.7285G	3.00	-53.61				-53.61	-50.61	-27.00	-23.61
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8G	12G	AV	10.6G	3.00	-72.25				-72.25	-69.25	-41.20	-28.05
5210MHz	Pass	8G	12G	AV	10.949G	3.00	-70.79				-70.79	-67.79	-41.20	-26.59
5210MHz	Pass	12G	40G	AV	39.86G	3.00	-61.22				-61.22	-58.22	-41.20	-17.02
5210MHz	Pass	8G	12G	PK	8.02G	3.00	-61.12				-61.12	-58.12	-27.00	-31.12
5210MHz	Pass	8G	12G	PK	10.374G	3.00	-61.94				-61.94	-58.94	-27.00	-31.94
5210MHz	Pass	12G	40G	PK	38.082G	3.00	-53.83				-53.83	-50.83	-27.00	-23.83
5210MHz	Pass	8G	12G	AV	11.3325G	3.00	-71.09				-71.09	-68.09	-41.20	-26.89
5775MHz	Pass	8G	12G	AV	11.5905G	3.00	-72.00				-72.00	-69.00	-41.20	-27.80
5775MHz	Pass	12G	40G	AV	39.79G	3.00	-61.01				-61.01	-58.01	-41.20	-16.81
5775MHz	Pass	8G	12G	PK	9.208G	3.00	-61.56				-61.56	-58.56	-27.00	-31.56
5775MHz	Pass	8G	12G	PK	11.5535G	3.00	-61.76				-61.76	-58.76	-21.20	-37.56
5775MHz	Pass	12G	40G	PK	37.69G	3.00	-53.33				-53.33	-50.33	-27.00	-23.33
802.11a_Nss1_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8G	12G	AV	10.6G	3.00	-72.64	-72.59			-69.60	-66.60	-41.20	-25.40
5180MHz	Pass	8G	12G	AV	11.978G	3.00	-71.74	-70.93			-68.31	-65.31	-41.20	-24.11
5180MHz	Pass	12G	40G	AV	15.5385G	3.00	-59.42	-53.56			-52.56	-49.56	-41.20	-8.36
5180MHz	Pass	8G	12G	PK	10.3655G	3.00	-63.12	-64.26			-60.64	-57.64	-27.00	-30.64
5180MHz	Pass	8G	12G	PK	10.539G	3.00	-63.22	-60.97			-58.94	-55.94	-27.00	-28.94
5180MHz	Pass	12G	40G	PK	15.535G	3.00	-51.64	-46.21			-45.12	-42.12	-21.20	-20.92
5200MHz	Pass	8G	12G	AV	10.6G	3.00	-73.14	-72.88			-70.00	-67.00	-41.20	-25.80
5200MHz	Pass	8G	12G	AV	11.9995G	3.00	-71.23	-71.55			-68.38	-65.38	-41.20	-24.18
5200MHz	Pass	12G	40G	AV	15.598G	3.00	-58.29	-52.65			-51.60	-48.60	-41.20	-7.40
5200MHz	Pass	8G	12G	PK	10.014G	3.00	-60.50	-63.93			-58.87	-55.87	-27.00	-28.87
5200MHz	Pass	8G	12G	PK	10.398G	3.00	-62.31	-63.61			-59.90	-56.90	-27.00	-29.90
5200MHz	Pass	12G	40G	PK	15.6015G	3.00	-50.07	-43.97			-43.02	-40.02	-21.20	-18.82
5240MHz	Pass	8G	12G	AV	10.6G	3.00	-73.14	-72.76			-69.94	-66.94	-41.20	-25.74
5240MHz	Pass	8G	12G	AV	11.995G	3.00	-71.70	-71.30			-68.49	-65.49	-41.20	-24.29
5240MHz	Pass	12G	40G	AV	15.71G	3.00	-59.99	-53.34			-52.49	-49.49	-41.20	-8.29
5240MHz	Pass	8G	12G	PK	9.5155G	3.00	-60.67	-63.04			-58.68	-55.68	-27.00	-28.68
5240MHz	Pass	8G	12G	PK	10.4975G	3.00	-64.79	-61.94			-60.12	-57.12	-27.00	-30.12
5240MHz	Pass	12G	40G	PK	15.724G	3.00	-48.54	-46.74			-44.54	-41.54	-21.20	-20.34
5745MHz	Pass	8G	12G	AV	11.014G	3.00	-70.53	-72.06			-68.22	-65.22	-41.20	-24.02
5745MHz	Pass	8G	12G	AV	11.4905G	3.00	-73.06	-71.62			-69.27	-66.27	-41.20	-25.07
5745MHz	Pass	12G	40G	AV	39.7865G	3.00	-61.25	-61.67			-58.44	-55.44	-41.20	-14.24
5745MHz	Pass	8G	12G	PK	8.0095G	3.00	-61.31	-62.04			-58.65	-55.65	-27.00	-28.65
5745MHz	Pass	8G	12G	PK	11.4915G	3.00	-64.28	-59.94			-58.58	-55.58	-21.20	-34.38
5745MHz	Pass	12G	40G	PK	17.243G	3.00	-57.89	-50.07			-49.41	-46.41	-27.00	-19.41
5785MHz	Pass	8G	12G	AV	10.964G	3.00	-71.50	-70.98			-68.22	-65.22	-41.20	-24.02
5785MHz	Pass	8G	12G	AV	11.572G	3.00	-73.22	-70.95			-68.93	-65.93	-41.20	-24.73



CSE_Pine R2_Antenna set 3 (Harmonic 8GHz ~ 40GHz)_P to M Appendix E.12

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5785MHz	Pass	12G	40G	AV	39.783G	3.00	-61.59	-60.95			-58.25	-55.25	-41.20	-14.05
5785MHz	Pass	8G	12G	PK	10.0265G	3.00	-60.71	-63.76			-58.96	-55.96	-27.00	-28.96
5785MHz	Pass	8G	12G	PK	11.5695G	3.00	-62.30	-63.30			-59.76	-56.76	-21.20	-35.56
5785MHz	Pass	12G	40G	PK	38.4565G	3.00	-53.17	-57.01			-51.67	-48.67	-27.00	-21.67
5825MHz	Pass	8G	12G	AV	10.963G	3.00	-71.66	-70.79			-68.19	-65.19	-41.20	-23.99
5825MHz	Pass	8G	12G	AV	11.654G	3.00	-72.51	-71.16			-68.77	-65.77	-41.20	-24.57
5825MHz	Pass	12G	40G	AV	39.7585G	3.00	-61.34	-61.32			-58.32	-55.32	-41.20	-14.12
5825MHz	Pass	8G	12G	PK	10.0025G	3.00	-61.02	-62.11			-58.52	-55.52	-27.00	-28.52
5825MHz	Pass	8G	12G	PK	11.652G	3.00	-62.48	-60.42			-58.32	-55.32	-21.20	-34.12
5825MHz	Pass	12G	40G	PK	37.7425G	3.00	-52.60	-56.69			-51.17	-48.17	-27.00	-21.17
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8G	12G	AV	10.6G	3.00	-72.31	-72.23			-69.26	-66.26	-41.20	-25.06
5180MHz	Pass	8G	12G	AV	10.9045G	3.00	-71.40	-70.95			-68.16	-65.16	-41.20	-23.96
5180MHz	Pass	12G	40G	AV	15.535G	3.00	-59.00	-54.02			-52.82	-49.82	-41.20	-8.62
5180MHz	Pass	8G	12G	PK	9.272G	3.00	-61.34	-61.61			-58.46	-55.46	-27.00	-28.46
5180MHz	Pass	8G	12G	PK	10.358G	3.00	-63.80	-63.84			-60.81	-57.81	-27.00	-30.81
5180MHz	Pass	12G	40G	PK	15.535G	3.00	-51.99	-44.45			-43.75	-40.75	-21.20	-19.55
5200MHz	Pass	8G	12G	AV	10.6G	3.00	-72.17	-72.38			-69.26	-66.26	-41.20	-25.06
5200MHz	Pass	8G	12G	AV	10.8955G	3.00	-71.33	-71.93			-68.61	-65.61	-41.20	-24.41
5200MHz	Pass	12G	40G	AV	15.5945G	3.00	-58.90	-53.20			-52.16	-49.16	-41.20	-7.96
5200MHz	Pass	8G	12G	PK	9.2505G	3.00	-61.10	-64.08			-59.33	-56.33	-27.00	-29.33
5200MHz	Pass	8G	12G	PK	10.417G	3.00	-64.99	-62.63			-60.64	-57.64	-27.00	-30.64
5200MHz	Pass	12G	40G	PK	15.591G	3.00	-52.20	-44.65			-43.95	-40.95	-21.20	-19.75
5240MHz	Pass	8G	12G	AV	10.6G	3.00	-73.00	-72.45			-69.71	-66.71	-41.20	-25.51
5240MHz	Pass	8G	12G	AV	11.9715G	3.00	-71.11	-71.78			-68.42	-65.42	-41.20	-24.22
5240MHz	Pass	12G	40G	AV	15.7135G	3.00	-59.29	-53.87			-52.77	-49.77	-41.20	-8.57
5240MHz	Pass	8G	12G	PK	10.477G	3.00	-63.00	-62.90			-59.94	-56.94	-27.00	-29.94
5240MHz	Pass	8G	12G	PK	10.599G	3.00	-61.12	-62.68			-58.82	-55.82	-27.00	-28.82
5240MHz	Pass	12G	40G	PK	15.7135G	3.00	-52.30	-45.71			-44.85	-41.85	-21.20	-20.65
5745MHz	Pass	8G	12G	AV	11.4895G	3.00	-73.00	-71.49			-69.17	-66.17	-41.20	-24.97
5745MHz	Pass	8G	12G	AV	11.811G	3.00	-71.72	-70.94			-68.30	-65.30	-41.20	-24.10
5745MHz	Pass	12G	40G	AV	39.811G	3.00	-61.19	-61.73			-58.44	-55.44	-41.20	-14.24
5745MHz	Pass	8G	12G	PK	10.5505G	3.00	-60.84	-64.12			-59.17	-56.17	-27.00	-29.17
5745MHz	Pass	8G	12G	PK	11.492G	3.00	-64.32	-60.05			-58.67	-55.67	-21.20	-34.47
5745MHz	Pass	12G	40G	PK	17.215G	3.00	-55.04	-48.57			-47.69	-44.69	-27.00	-17.69
5785MHz	Pass	8G	12G	AV	11.0015G	3.00	-71.91	-71.04			-68.44	-65.44	-41.20	-24.24
5785MHz	Pass	8G	12G	AV	11.57G	3.00	-72.87	-70.76			-68.68	-65.68	-41.20	-24.48
5785MHz	Pass	12G	40G	AV	39.8565G	3.00	-61.34	-61.07			-58.19	-55.19	-41.20	-13.99
5785MHz	Pass	8G	12G	PK	9.5235G	3.00	-61.55	-62.05			-58.78	-55.78	-27.00	-28.78
5785MHz	Pass	8G	12G	PK	11.5655G	3.00	-63.25	-62.49			-59.84	-56.84	-21.20	-35.64
5785MHz	Pass	12G	40G	PK	38.11G	3.00	-54.28	-56.34			-52.18	-49.18	-27.00	-22.18
5825MHz	Pass	8G	12G	AV	11.6485G	3.00	-72.68	-70.92			-68.70	-65.70	-41.20	-24.50
5825MHz	Pass	8G	12G	AV	11.8605G	3.00	-71.79	-71.30			-68.53	-65.53	-41.20	-24.33
5825MHz	Pass	12G	40G	AV	39.8495G	3.00	-61.34	-60.93			-58.12	-55.12	-41.20	-13.92
5825MHz	Pass	8G	12G	PK	10.0095G	3.00	-60.60	-62.34			-58.37	-55.37	-27.00	-28.37
5825MHz	Pass	8G	12G	PK	11.6455G	3.00	-62.51	-60.95			-58.65	-55.65	-21.20	-34.45
5825MHz	Pass	12G	40G	PK	37.5885G	3.00	-53.46	-56.36			-51.66	-48.66	-27.00	-21.66
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	8G	12G	AV	10.6G	3.00	-72.92	-72.63			-69.76	-66.76	-41.20	-25.56
5190MHz	Pass	8G	12G	AV	10.983G	3.00	-70.67	-71.64			-68.12	-65.12	-41.20	-23.92
5190MHz	Pass	12G	40G	AV	15.5805G	3.00	-62.47	-56.00			-55.12	-52.12	-41.20	-10.92
5190MHz	Pass	8G	12G	PK	9.278G	3.00	-60.86	-63.61			-59.01	-56.01	-27.00	-29.01
5190MHz	Pass	8G	12G	PK	10.394G	3.00	-62.23	-63.98			-60.01	-57.01	-27.00	-30.01
5190MHz	Pass	12G	40G	PK	37.4695G	3.00	-53.91	-56.23			-51.91	-48.91	-27.00	-21.91
5230MHz	Pass	8G	12G	AV	10.6G	3.00	-73.04	-73.20			-70.11	-67.11	-41.20	-25.91
5230MHz	Pass	8G	12G	AV	11.9995G	3.00	-70.85	-71.85			-68.31	-65.31	-41.20	-24.11
5230MHz	Pass	12G	40G	AV	15.6925G	3.00	-61.56	-56.00			-54.93	-51.93	-41.20	-10.73
5230MHz	Pass	8G	12G	PK	8.0085G	3.00	-60.98	-63.84			-59.17	-56.17	-27.00	-29.17
5230MHz	Pass	8G	12G	PK	10.4825G	3.00	-64.67	-62.53			-60.46	-57.46	-27.00	-30.46
5230MHz	Pass	12G	40G	PK	38.558G	3.00	-56.87	-54.37			-52.43	-49.43	-27.00	-22.43
5755MHz	Pass	8G	12G	AV	10.966G	3.00	-71.01	-71.73			-68.34	-65.34	-41.20	-24.14
5755MHz	Pass	8G	12G	AV	11.5055G	3.00	-72.74	-71.63			-69.14	-66.14	-41.20	-24.94
5755MHz	Pass	12G	40G	AV	39.846G	3.00	-60.73	-61.88			-58.26	-55.26	-41.20	-14.06
5755MHz	Pass	8G	12G	PK	8.0095G	3.00	-63.37	-60.59			-58.75	-55.75	-27.00	-28.75
5755MHz	Pass	8G	12G	PK	11.522G	3.00	-62.51	-62.36			-59.42	-56.42	-21.20	-35.22
5755MHz	Pass	12G	40G	PK	38.383G	3.00	-55.88	-53.88			-51.76	-48.76	-27.00	-21.76
5795MHz	Pass	8G	12G	AV	11.316G	3.00	-70.94	-71.85			-68.36	-65.36	-41.20	-24.16
5795MHz	Pass	8G	12G	AV	11.5855G	3.00	-72.62	-71.68			-69.11	-66.11	-41.20	-24.91
5795MHz	Pass	12G	40G	AV	39.79G	3.00	-61.42	-61.13			-58.26	-55.26	-41.20	-14.06
5795MHz	Pass	8G	12G	PK	8.0175G	3.00	-63.49	-60.99			-59.05	-56.05	-27.00	-29.05



CSE_Pine R2_Antenna set 3 (Harmonic 8GHz ~ 40GHz)_P to M Appendix E.12

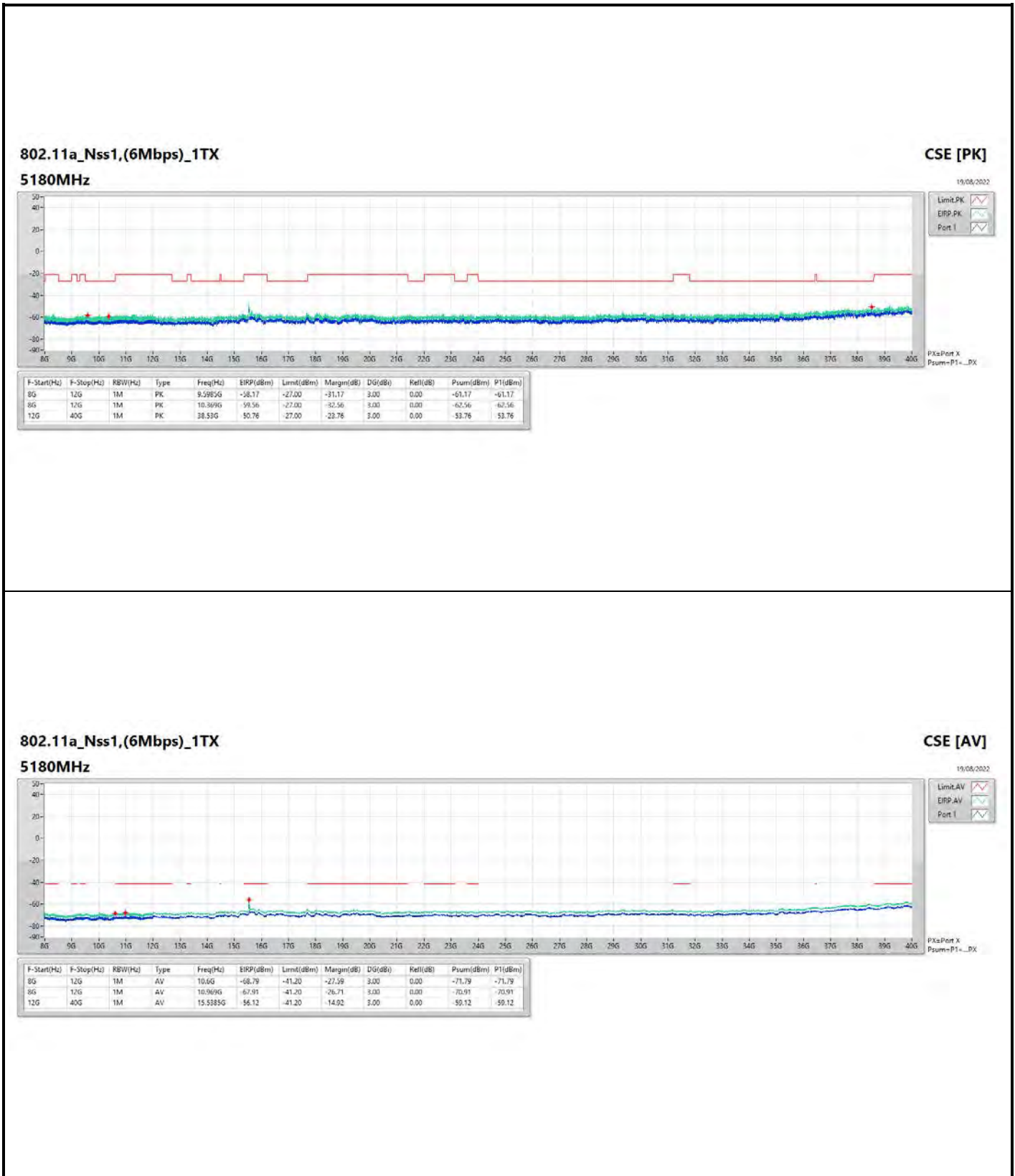
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5795MHz	Pass	8G	12G	PK	11.5745G	3.00	-63.32	-61.66			-59.40	-56.40	-21.20	-35.20
5795MHz	Pass	12G	40G	PK	38.4285G	3.00	-54.55	-55.24			-51.87	-48.87	-27.00	-21.87
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8G	12G	AV	10.6G	3.00	-72.48	-72.40			-69.43	-66.43	-41.20	-25.23
5210MHz	Pass	8G	12G	AV	11.0085G	3.00	-71.50	-71.05			-68.26	-65.26	-41.20	-24.06
5210MHz	Pass	12G	40G	AV	15.6085G	3.00	-63.90	-58.51			-57.41	-54.41	-41.20	-13.21
5210MHz	Pass	8G	12G	PK	10.027G	3.00	-60.83	-63.96			-59.11	-56.11	-27.00	-29.11
5210MHz	Pass	8G	12G	PK	10.486G	3.00	-64.07	-61.89			-59.83	-56.83	-27.00	-29.83
5210MHz	Pass	12G	40G	PK	37.8055G	3.00	-58.48	-53.51			-52.31	-49.31	-27.00	-22.31
5775MHz	Pass	8G	12G	AV	11.5195G	3.00	-73.20	-71.82			-69.45	-66.45	-41.20	-25.25
5775MHz	Pass	8G	12G	AV	11.9685G	3.00	-71.79	-70.81			-68.26	-65.26	-41.20	-24.06
5775MHz	Pass	12G	40G	AV	39.839G	3.00	-61.44	-60.91			-58.16	-55.16	-41.20	-13.96
5775MHz	Pass	8G	12G	PK	10.504G	3.00	-60.78	-64.39			-59.21	-56.21	-27.00	-29.21
5775MHz	Pass	8G	12G	PK	11.563G	3.00	-63.51	-60.13			-58.49	-55.49	-21.20	-34.29
5775MHz	Pass	12G	40G	PK	38.516G	3.00	-54.09	-55.40			-51.69	-48.69	-27.00	-21.69
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8G	12G	AV	8.4845G	3.00	-69.97	-70.50	-69.52	-70.09	-63.99	-60.99	-41.20	-19.79
5180MHz	Pass	8G	12G	AV	10.6G	3.00	-70.82	-71.57	-71.87	-71.84	-65.48	-62.48	-41.20	-21.28
5180MHz	Pass	12G	40G	AV	22.0287G	3.00	-69.86	-69.34	-69.90	-69.40	-63.60	-60.60	-41.20	-19.40
5180MHz	Pass	8G	12G	PK	8.6745G	3.00	-59.76	-58.84	-60.70	-57.47	-53.01	-50.01	-27.00	-23.01
5180MHz	Pass	8G	12G	PK	10.3695G	3.00	-61.24	-61.56	-61.35	-60.14	-55.02	-52.02	-27.00	-25.02
5180MHz	Pass	12G	40G	PK	21.576G	3.00	-67.55	-59.88	-61.14	-61.23	-55.64	-52.64	-27.00	-25.64
5200MHz	Pass	8G	12G	AV	8.49G	3.00	-69.65	-70.30	-69.18	-70.29	-63.81	-60.81	-41.20	-19.61
5200MHz	Pass	8G	12G	AV	10.6G	3.00	-72.33	-71.83	-71.09	-72.23	-65.82	-62.82	-41.20	-21.62
5200MHz	Pass	12G	40G	AV	22.073G	3.00	-69.55	-69.80	-69.74	-69.16	-63.53	-60.53	-41.20	-19.33
5200MHz	Pass	8G	12G	PK	8.7195G	3.00	-58.57	-58.39	-60.40	-59.62	-53.15	-50.15	-27.00	-23.15
5200MHz	Pass	8G	12G	PK	10.3955G	3.00	-61.27	-61.98	-62.85	-58.45	-54.78	-51.78	-27.00	-24.78
5200MHz	Pass	12G	40G	PK	21.5865G	3.00	-69.44	-62.26	-61.21	-59.53	-55.89	-52.89	-27.00	-25.89
5240MHz	Pass	8G	12G	AV	8.486G	3.00	-69.81	-70.33	-68.88	-69.68	-63.62	-60.62	-41.20	-19.42
5240MHz	Pass	8G	12G	AV	10.6G	3.00	-71.69	-72.24	-71.60	-71.82	-65.81	-62.81	-41.20	-21.61
5240MHz	Pass	12G	40G	AV	22.1675G	3.00	-69.73	-69.57	-69.78	-69.52	-63.63	-60.63	-41.20	-19.43
5240MHz	Pass	8G	12G	PK	8.7145G	3.00	-61.41	-59.63	-57.91	-59.33	-53.38	-50.38	-27.00	-23.38
5240MHz	Pass	8G	12G	PK	10.472G	3.00	-61.65	-61.31	-62.90	-60.96	-55.63	-52.63	-27.00	-25.63
5240MHz	Pass	12G	40G	PK	21.5655G	3.00	-59.93	-61.06	-61.15	-62.77	-55.09	-52.09	-27.00	-25.09
5745MHz	Pass	8G	12G	AV	10.9805G	3.00	-71.72	-71.62	-71.52	-71.51	-65.57	-62.57	-41.20	-21.37
5745MHz	Pass	8G	12G	AV	11.4905G	3.00	-72.03	-72.14	-72.57	-71.15	-65.92	-62.92	-41.20	-21.72
5745MHz	Pass	12G	40G	AV	39.8075G	3.00	-61.09	-61.58	-61.00	-60.90	-55.11	-52.11	-41.20	-19.91
5745MHz	Pass	8G	12G	PK	9.547G	3.00	-63.60	-62.59	-63.19	-61.67	-56.68	-53.68	-27.00	-26.68
5745MHz	Pass	8G	12G	PK	11.4805G	3.00	-63.81	-62.54	-62.92	-62.73	-56.95	-53.95	-21.20	-32.75
5745MHz	Pass	12G	40G	PK	17.2325G	3.00	-58.29	-50.47	-46.30	-48.40	-43.16	-40.16	-27.00	-13.16
5785MHz	Pass	8G	12G	AV	10.9795G	3.00	-71.02	-72.18	-71.88	-71.38	-65.57	-62.57	-41.20	-21.37
5785MHz	Pass	8G	12G	AV	11.5715G	3.00	-72.78	-72.01	-70.88	-71.09	-65.60	-62.60	-41.20	-21.40
5785MHz	Pass	12G	40G	AV	39.846G	3.00	-60.92	-61.50	-61.39	-61.71	-55.35	-52.35	-41.20	-11.15
5785MHz	Pass	8G	12G	PK	9.2195G	3.00	-62.47	-64.13	-61.42	-63.26	-56.68	-53.68	-27.00	-26.68
5785MHz	Pass	8G	12G	PK	11.5725G	3.00	-64.56	-61.06	-60.90	-63.81	-56.27	-53.27	-21.20	-32.07
5785MHz	Pass	12G	40G	PK	17.3515G	3.00	-61.26	-56.37	-52.71	-54.97	-49.36	-46.36	-27.00	-19.36
5825MHz	Pass	8G	12G	AV	11.65G	3.00	-72.44	-70.85	-70.28	-71.31	-65.13	-62.13	-41.20	-20.93
5825MHz	Pass	12G	40G	AV	39.8075G	3.00	-61.60	-61.29	-60.91	-61.28	-55.24	-52.24	-41.20	-11.04
5825MHz	Pass	8G	12G	PK	10.002G	3.00	-63.36	-62.44	-62.48	-61.36	-56.33	-53.33	-27.00	-26.33
5825MHz	Pass	8G	12G	PK	11.6505G	3.00	-64.77	-60.84	-60.00	-63.40	-55.83	-52.83	-21.20	-31.63
5825MHz	Pass	12G	40G	PK	17.4775G	3.00	-61.28	-56.99	-51.89	-57.06	-49.51	-46.51	-27.00	-19.51
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8G	12G	AV	8.498G	3.00	-70.65	-69.64	-69.45	-70.60	-64.03	-61.03	-41.20	-19.83
5180MHz	Pass	8G	12G	AV	10.6G	3.00	-71.37	-70.70	-71.41	-71.41	-65.19	-62.19	-41.20	-20.99
5180MHz	Pass	12G	40G	AV	22.024G	3.00	-70.20	-70.08	-69.35	-68.87	-63.57	-60.57	-41.20	-19.37
5180MHz	Pass	8G	12G	PK	8.606G	3.00	-60.49	-58.83	-60.33	-58.61	-53.46	-50.46	-27.00	-23.46
5180MHz	Pass	8G	12G	PK	10.3635G	3.00	-60.70	-62.43	-60.91	-60.39	-55.02	-52.02	-27.00	-25.02
5180MHz	Pass	12G	40G	PK	21.639G	3.00	-59.41	-61.91	-60.05	-60.67	-54.39	-51.39	-27.00	-24.39
5200MHz	Pass	8G	12G	AV	8.499G	3.00	-69.07	-70.79	-70.04	-70.15	-63.95	-60.95	-41.20	-19.75
5200MHz	Pass	8G	12G	AV	10.6G	3.00	-72.37	-71.55	-71.79	-71.61	-65.80	-62.80	-41.20	-21.60
5200MHz	Pass	12G	40G	AV	22.1605G	3.00	-69.91	-69.96	-69.57	-69.27	-63.65	-60.65	-41.20	-19.45
5200MHz	Pass	8G	12G	PK	8.7765G	3.00	-55.93	-59.37	-60.67	-61.11	-52.72	-49.72	-27.00	-22.72
5200MHz	Pass	8G	12G	PK	10.4045G	3.00	-61.62	-60.04	-63.36	-60.46	-55.17	-52.17	-27.00	-25.17
5200MHz	Pass	12G	40G	PK	21.555G	3.00	-62.04	-58.68	-62.92	-62.21	-55.10	-52.10	-27.00	-25.10
5240MHz	Pass	8G	12G	AV	8.5G	3.00	-70.19	-69.86	-70.23	-68.82	-63.72	-60.72	-41.20	-19.52
5240MHz	Pass	8G	12G	AV	10.6G	3.00	-71.85	-71.52	-72.17	-71.69	-65.78	-62.78	-41.20	-21.58
5240MHz	Pass	12G	40G	AV	22.1185G	3.00	-69.77	-69.99	-69.14	-69.70	-63.62	-60.62	-41.20	-19.42
5240MHz	Pass	8G	12G	PK	8.644G	3.00	-57.69	-59.39	-59.19	-60.86	-53.12	-50.12	-27.00	-23.12
5240MHz	Pass	8G	12G	PK	10.4815G	3.00	-59.57	-61.78	-62.71	-61.04	-55.10	-52.10	-27.00	-25.10
5240MHz	Pass	12G	40G	PK	21.6495G	3.00	-60.65	-61.46	-61.04	-61.50	-55.13	-52.13	-27.00	-25.13



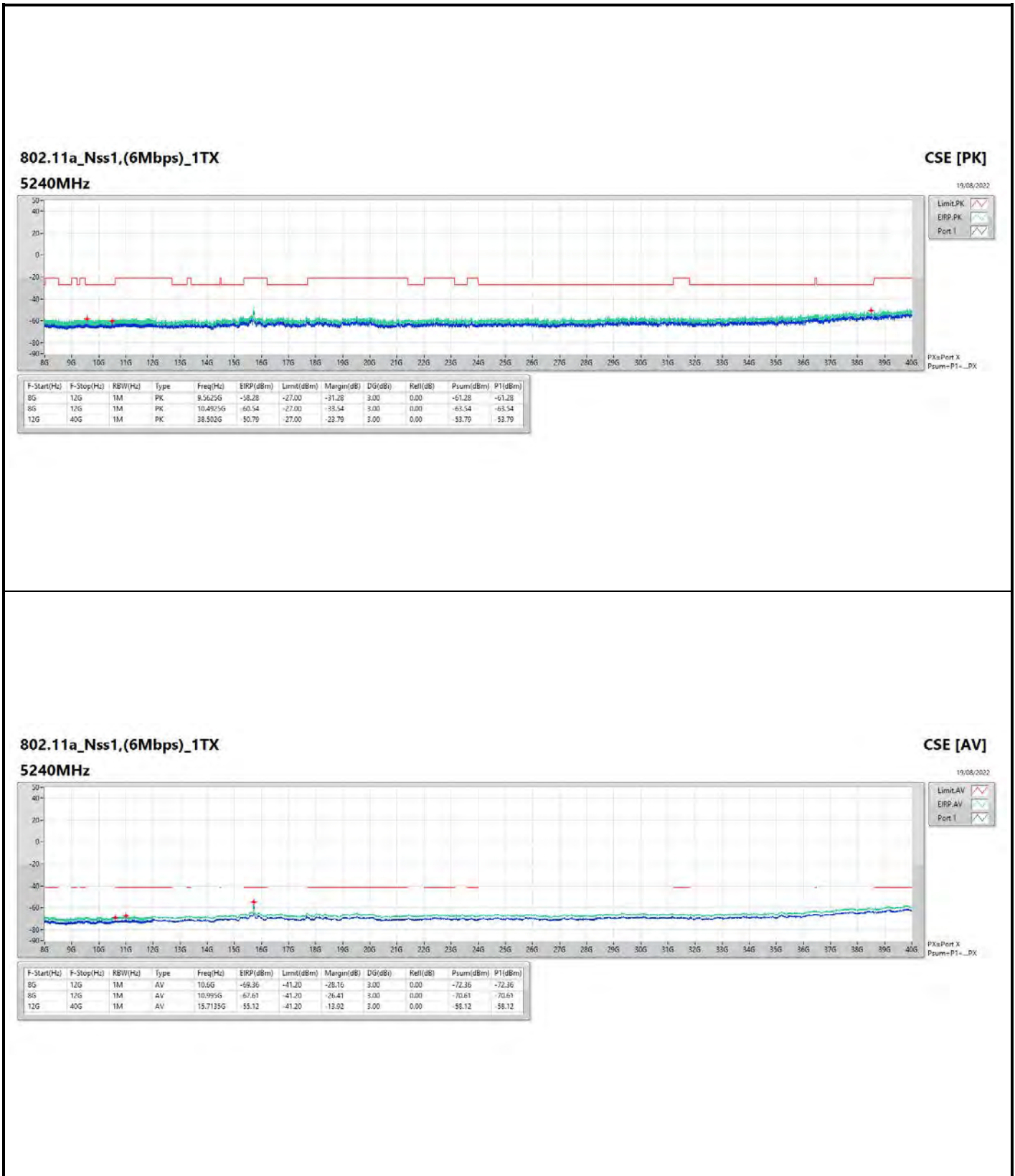
CSE_Pine R2_Antenna set 3 (Harmonic 8GHz ~ 40GHz)_P to M Appendix E.12

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	8G	12G	AV	11.491G	3.00	-72.93	-72.72	-71.05	-72.10	-66.12	-63.12	-41.20	-21.92
5745MHz	Pass	8G	12G	AV	11.998G	3.00	-71.14	-72.28	-71.55	-71.05	-65.46	-62.46	-41.20	-21.26
5745MHz	Pass	12G	40G	AV	39.853G	3.00	-61.62	-61.19	-61.19	-61.62	-55.38	-52.38	-41.20	-11.18
5745MHz	Pass	8G	12G	PK	9.503G	3.00	-62.60	-62.41	-63.00	-63.50	-56.84	-53.84	-27.00	-26.84
5745MHz	Pass	8G	12G	PK	11.4885G	3.00	-64.08	-63.36	-62.85	-61.94	-56.97	-53.97	-21.20	-32.77
5745MHz	Pass	12G	40G	PK	17.2325G	3.00	-57.34	-51.17	-48.63	-48.50	-44.28	-41.28	-27.00	-14.28
5785MHz	Pass	8G	12G	AV	10.9765G	3.00	-71.72	-71.63	-71.83	-71.15	-65.55	-62.55	-41.20	-21.35
5785MHz	Pass	8G	12G	AV	11.5755G	3.00	-72.15	-72.18	-71.71	-70.80	-65.65	-62.65	-41.20	-21.45
5785MHz	Pass	12G	40G	AV	39.818G	3.00	-62.02	-60.66	-61.22	-61.32	-55.26	-52.26	-41.20	-11.06
5785MHz	Pass	8G	12G	PK	10.007G	3.00	-63.75	-62.63	-63.45	-61.19	-56.62	-53.62	-27.00	-26.62
5785MHz	Pass	8G	12G	PK	11.563G	3.00	-63.57	-61.27	-64.02	-60.90	-56.21	-53.21	-21.20	-32.01
5785MHz	Pass	12G	40G	PK	38.425G	3.00	-58.24	-57.68	-53.31	-55.61	-49.74	-46.74	-27.00	-19.74
5825MHz	Pass	8G	12G	AV	11.6485G	3.00	-73.49	-70.21	-70.93	-71.36	-65.32	-62.32	-41.20	-21.12
5825MHz	Pass	12G	40G	AV	39.8145G	3.00	-61.52	-61.30	-61.67	-61.11	-55.37	-52.37	-41.20	-11.17
5825MHz	Pass	8G	12G	PK	9.6215G	3.00	-62.59	-64.37	-62.68	-61.90	-56.77	-53.77	-27.00	-26.77
5825MHz	Pass	8G	12G	PK	11.641G	3.00	-63.59	-62.43	-63.68	-61.50	-56.68	-53.68	-21.20	-32.48
5825MHz	Pass	12G	40G	PK	38.3655G	3.00	-56.79	-57.39	-56.84	-53.17	-49.66	-46.66	-27.00	-19.66
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	8G	12G	AV	10.6G	3.00	-72.88	-72.49	-72.48	-73.38	-66.77	-63.77	-41.20	-22.57
5190MHz	Pass	8G	12G	AV	10.957G	3.00	-71.93	-70.96	-71.77	-71.66	-65.54	-62.54	-41.20	-21.34
5190MHz	Pass	12G	40G	AV	15.5735G	3.00	-61.64	-55.52	-55.09	-55.73	-50.33	-47.33	-41.20	-6.13
5190MHz	Pass	8G	12G	PK	10.001G	3.00	-64.30	-63.99	-61.84	-61.77	-56.80	-53.80	-27.00	-26.80
5190MHz	Pass	8G	12G	PK	10.4025G	3.00	-63.35	-65.43	-62.21	-64.56	-57.70	-54.70	-27.00	-27.70
5190MHz	Pass	12G	40G	PK	15.57G	3.00	-55.04	-47.63	-45.97	-48.33	-42.19	-39.19	-21.20	-17.99
5230MHz	Pass	8G	12G	AV	10.6G	3.00	-72.52	-72.27	-73.17	-72.65	-66.62	-63.62	-41.20	-22.42
5230MHz	Pass	8G	12G	AV	11.2835G	3.00	-71.78	-71.49	-71.61	-71.15	-65.48	-62.48	-41.20	-21.28
5230MHz	Pass	12G	40G	AV	15.6995G	3.00	-61.56	-56.87	-55.69	-54.36	-50.40	-47.40	-41.20	-6.20
5230MHz	Pass	8G	12G	PK	9.5305G	3.00	-60.04	-65.23	-62.04	-63.90	-56.34	-53.34	-27.00	-26.34
5230MHz	Pass	8G	12G	PK	10.496G	3.00	-63.33	-64.62	-63.93	-63.55	-57.81	-54.81	-27.00	-27.81
5230MHz	Pass	12G	40G	PK	15.6925G	3.00	-53.71	-50.32	-49.18	-46.73	-43.29	-40.29	-21.20	-19.09
5755MHz	Pass	8G	12G	AV	10.9725G	3.00	-71.38	-72.36	-71.02	-71.11	-65.42	-62.42	-41.20	-21.22
5755MHz	Pass	8G	12G	AV	11.5025G	3.00	-72.67	-71.92	-71.61	-72.32	-66.09	-63.09	-41.20	-21.89
5755MHz	Pass	12G	40G	AV	39.797G	3.00	-61.05	-61.28	-61.65	-61.28	-55.29	-52.29	-41.20	-11.09
5755MHz	Pass	8G	12G	PK	9.569G	3.00	-62.55	-62.09	-63.68	-62.62	-56.68	-53.68	-27.00	-26.68
5755MHz	Pass	8G	12G	PK	11.5065G	3.00	-64.21	-60.96	-61.13	-63.66	-56.23	-53.23	-21.20	-32.03
5755MHz	Pass	12G	40G	PK	17.264G	3.00	-59.40	-52.40	-53.97	-54.52	-48.40	-45.40	-27.00	-18.40
5795MHz	Pass	8G	12G	AV	11.588G	3.00	-73.63	-70.87	-71.75	-71.30	-65.75	-62.75	-41.20	-21.55
5795MHz	Pass	8G	12G	AV	12G	3.00	-71.93	-71.02	-71.33	-71.39	-65.38	-62.38	-41.20	-21.18
5795MHz	Pass	12G	40G	AV	39.839G	3.00	-61.47	-60.96	-61.75	-61.51	-55.39	-52.39	-41.20	-11.19
5795MHz	Pass	8G	12G	PK	8.002G	3.00	-62.99	-62.34	-64.03	-60.87	-56.38	-53.38	-27.00	-26.38
5795MHz	Pass	8G	12G	PK	11.5965G	3.00	-64.41	-62.93	-61.09	-61.48	-56.27	-53.27	-21.20	-32.07
5795MHz	Pass	12G	40G	PK	38.3935G	3.00	-56.69	-55.71	-54.29	-55.11	-49.34	-46.34	-27.00	-19.34
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	8G	12G	AV	10.6G	3.00	-72.75	-72.67	-72.96	-73.18	-66.86	-63.86	-41.20	-22.66
5210MHz	Pass	8G	12G	AV	10.973G	3.00	-71.99	-71.50	-71.54	-71.67	-65.65	-62.65	-41.20	-21.45
5210MHz	Pass	12G	40G	AV	15.605G	3.00	-63.68	-58.85	-59.09	-58.59	-53.62	-50.62	-41.20	-9.42
5210MHz	Pass	8G	12G	PK	10.006G	3.00	-62.44	-62.92	-62.79	-62.47	-56.63	-53.63	-27.00	-26.63
5210MHz	Pass	8G	12G	PK	10.4705G	3.00	-61.96	-63.19	-64.92	-65.12	-57.58	-54.58	-27.00	-27.58
5210MHz	Pass	12G	40G	PK	38.4565G	3.00	-56.25	-54.82	-56.25	-57.00	-49.99	-46.99	-27.00	-19.99
5775MHz	Pass	8G	12G	AV	10.965G	3.00	-70.39	-72.35	-71.73	-71.31	-65.37	-62.37	-41.20	-21.17
5775MHz	Pass	8G	12G	AV	11.506G	3.00	-73.24	-72.32	-72.47	-72.55	-66.61	-63.61	-41.20	-22.41
5775MHz	Pass	12G	40G	AV	39.8355G	3.00	-61.69	-61.37	-60.60	-61.44	-55.23	-52.23	-41.20	-11.03
5775MHz	Pass	8G	12G	PK	10.011G	3.00	-63.52	-63.14	-61.76	-62.06	-56.54	-53.54	-27.00	-26.54
5775MHz	Pass	8G	12G	PK	11.544G	3.00	-64.43	-63.57	-60.93	-64.39	-57.05	-54.05	-21.20	-32.85
5775MHz	Pass	12G	40G	PK	38.39G	3.00	-55.45	-56.83	-55.53	-54.35	-49.43	-46.43	-27.00	-19.43

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





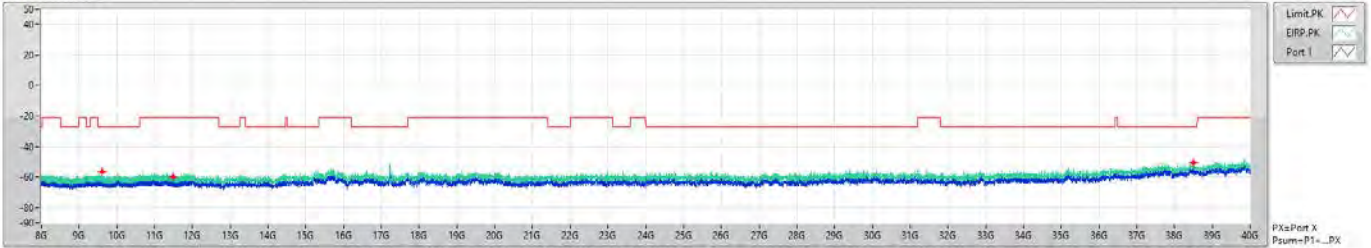


802.11a_Nss1,(6Mbps)_1TX

5745MHz

CSE [PK]

19/08/2022



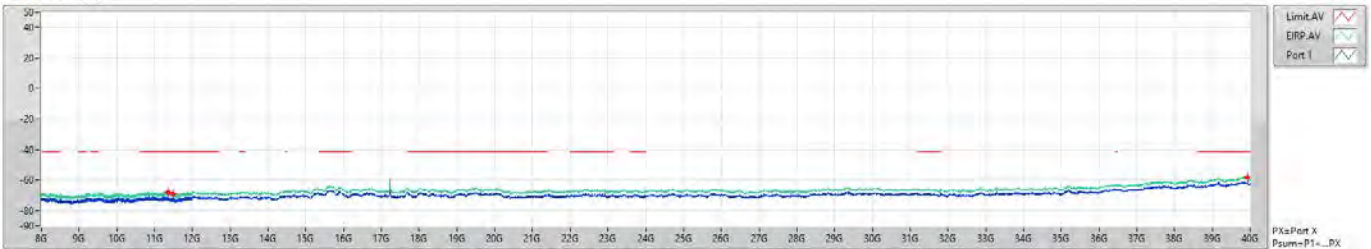
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
8G	12G	1M	PK	9.6025G	-56.58	-27.00	-29.58	3.00	0.00	-59.58	-59.58
8G	12G	1M	PK	11.4825G	-59.66	-21.20	-38.46	3.00	0.00	-62.66	-62.66
12G	40G	1M	PK	38.4985G	50.74	-27.00	-23.74	3.00	0.00	53.74	53.74

802.11a_Nss1,(6Mbps)_1TX

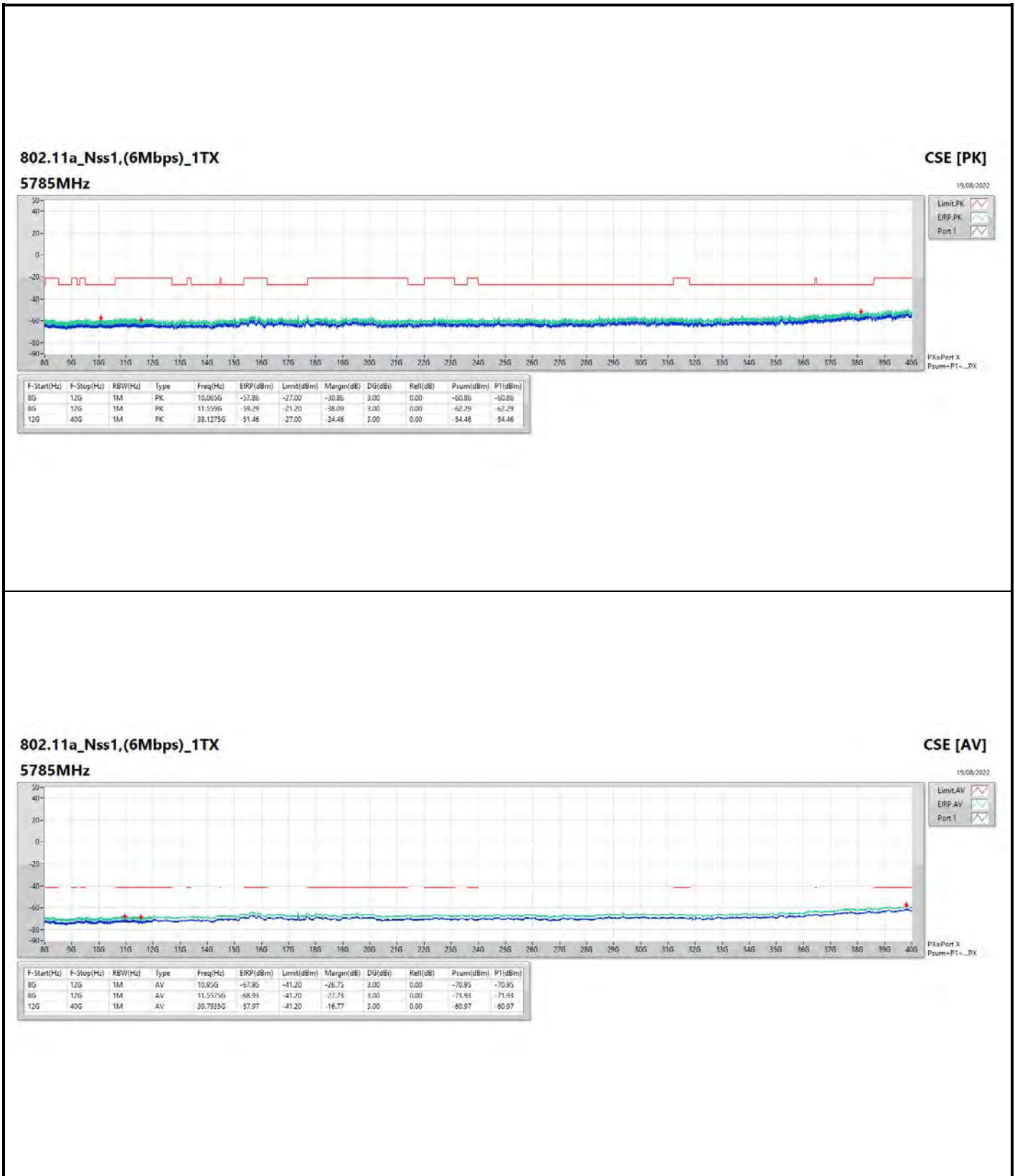
5745MHz

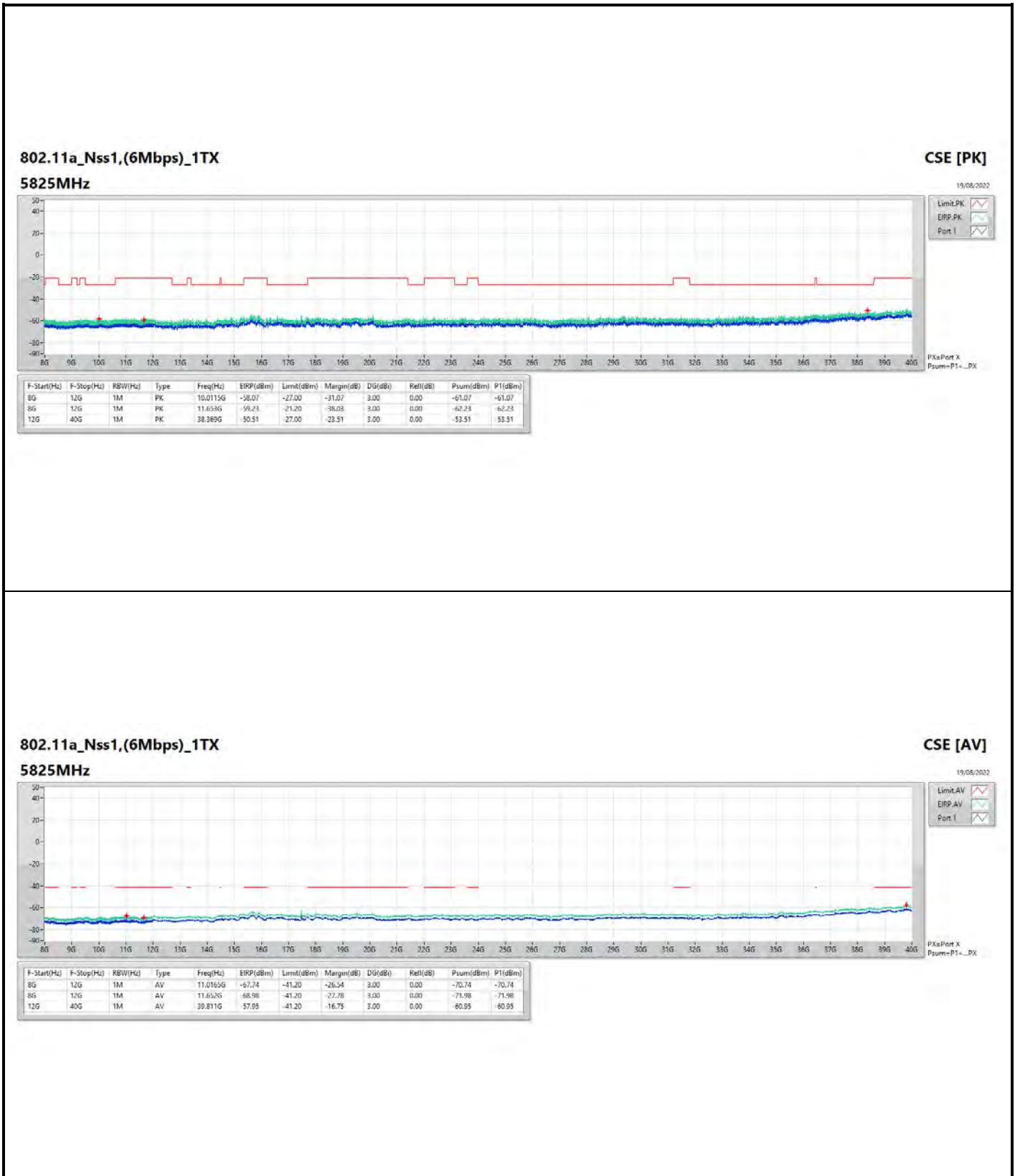
CSE [AV]

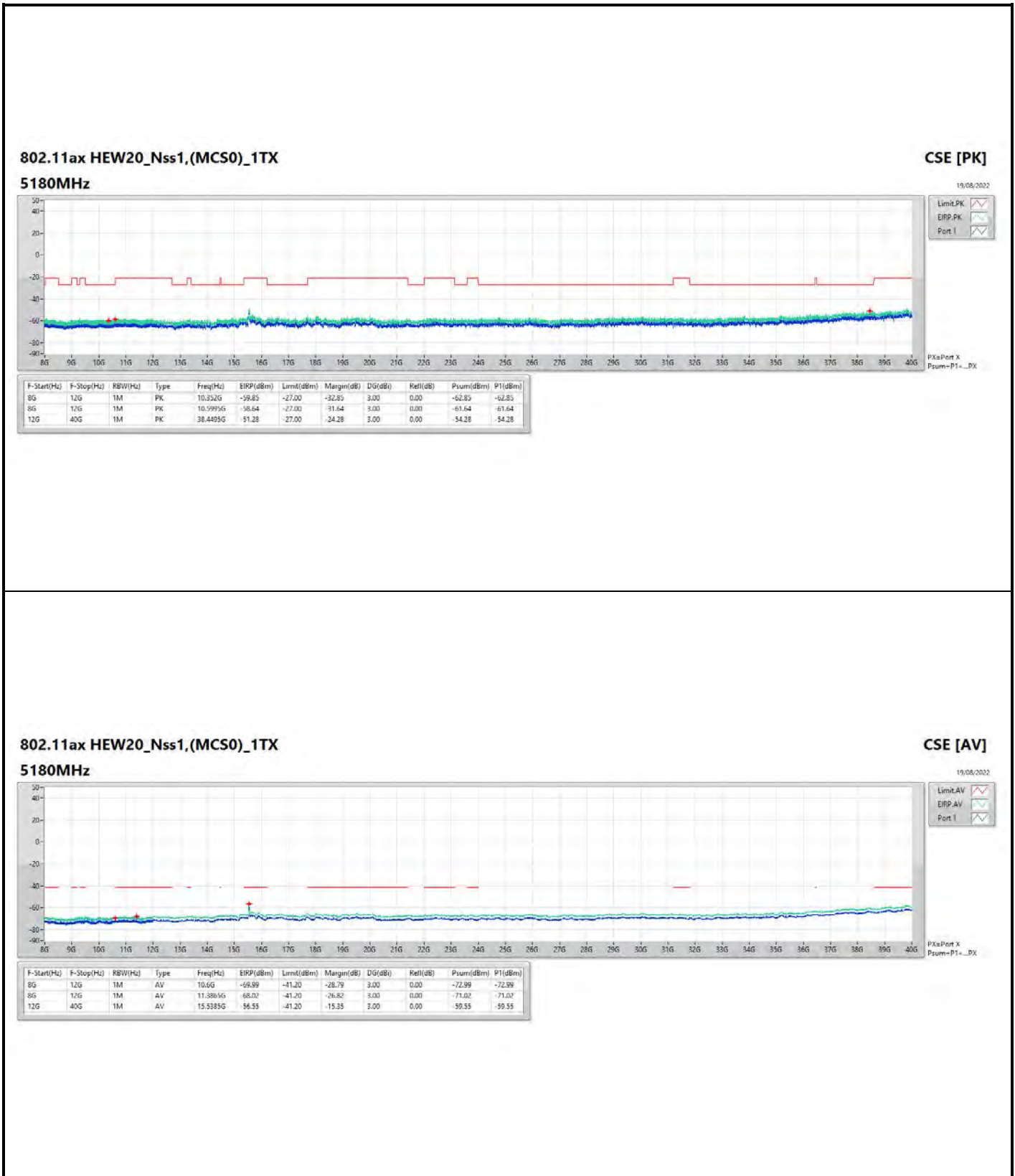
19/08/2022



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)
8G	12G	1M	AV	11.342G	-67.92	-41.20	-26.72	3.00	0.00	-70.92	-70.92
8G	12G	1M	AV	11.475G	-69.35	-41.20	-27.95	3.00	0.00	-72.35	-72.35
12G	40G	1M	AV	39.93G	58.32	-41.20	17.12	3.00	0.00	61.32	61.32











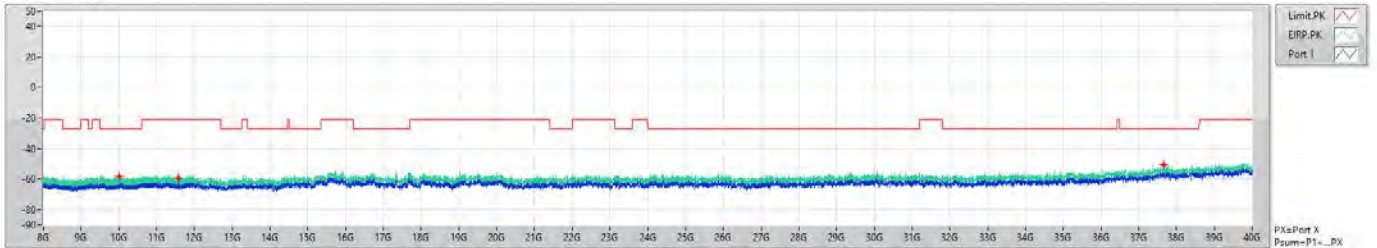


802.11ax HEW20_Nss1,(MCS0)_1TX

CSE [PK]

5785MHz

19/08/2022



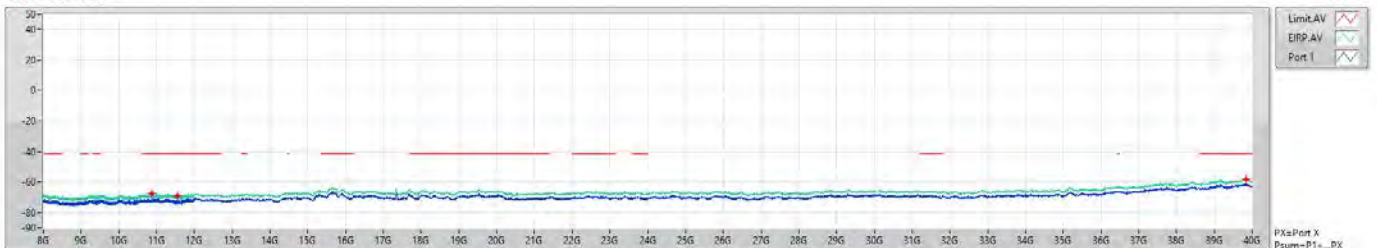
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
8G	12G	1M	PK	10.002G	-58.13	-27.00	-31.13	3.00	0.00	-61.13	-61.13
8G	12G	1M	PK	11.576G	-59.19	-21.00	-37.99	3.00	0.00	-62.19	-62.19
12G	40G	1M	PK	37.662G	50.44	-27.00	-23.44	3.00	0.00	53.44	53.44

802.11ax HEW20_Nss1,(MCS0)_1TX

CSE [AV]

5785MHz

19/08/2022



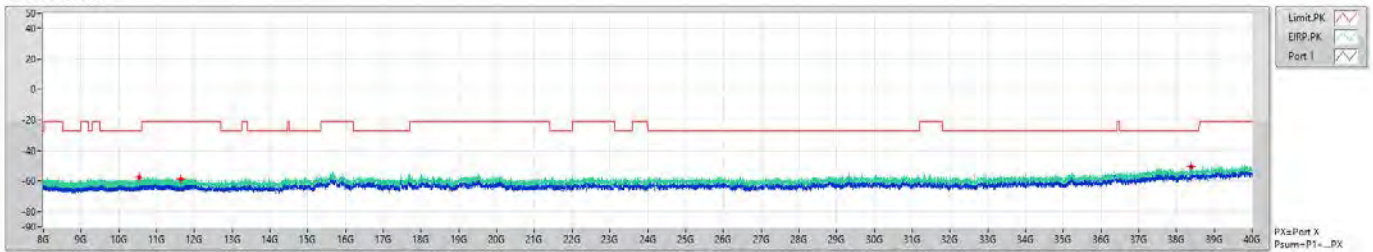
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
8G	12G	1M	AV	10.866G	-57.58	-41.20	-26.48	3.00	0.00	-70.68	-70.68
8G	12G	1M	AV	11.576G	-69.25	-41.20	-28.05	3.00	0.00	-72.25	-72.25
12G	40G	1M	AV	39.8425G	58.13	-41.20	-16.93	3.00	0.00	61.13	61.13

802.11ax HEW20_Nss1,(MCS0)_1TX

5825MHz

CSE [PK]

19/08/2022



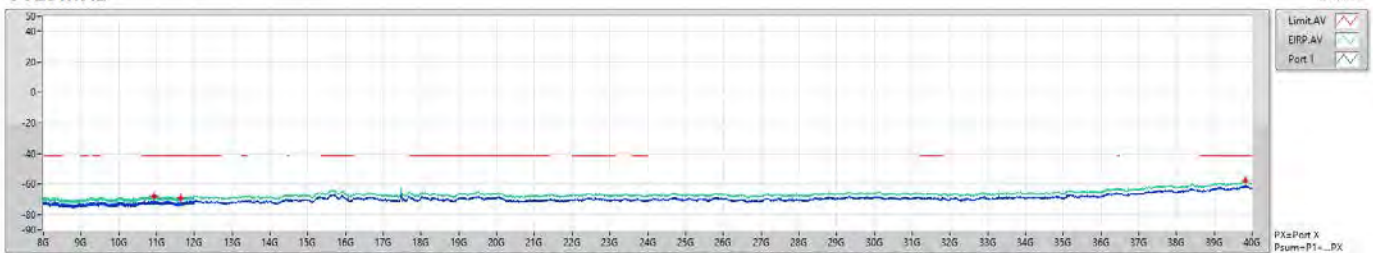
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8G	12G	1M	PK	10.528G	-57.91	-27.00	-30.91	3.00	0.00	-50.91	-62.91
8G	12G	1M	PK	11.645G	-58.98	-21.20	-37.78	3.00	0.00	-61.98	-61.98
12G	40G	1M	PK	38.8865G	50.75	-27.00	-22.75	3.00	0.00	53.75	-53.75

802.11ax HEW20_Nss1,(MCS0)_1TX

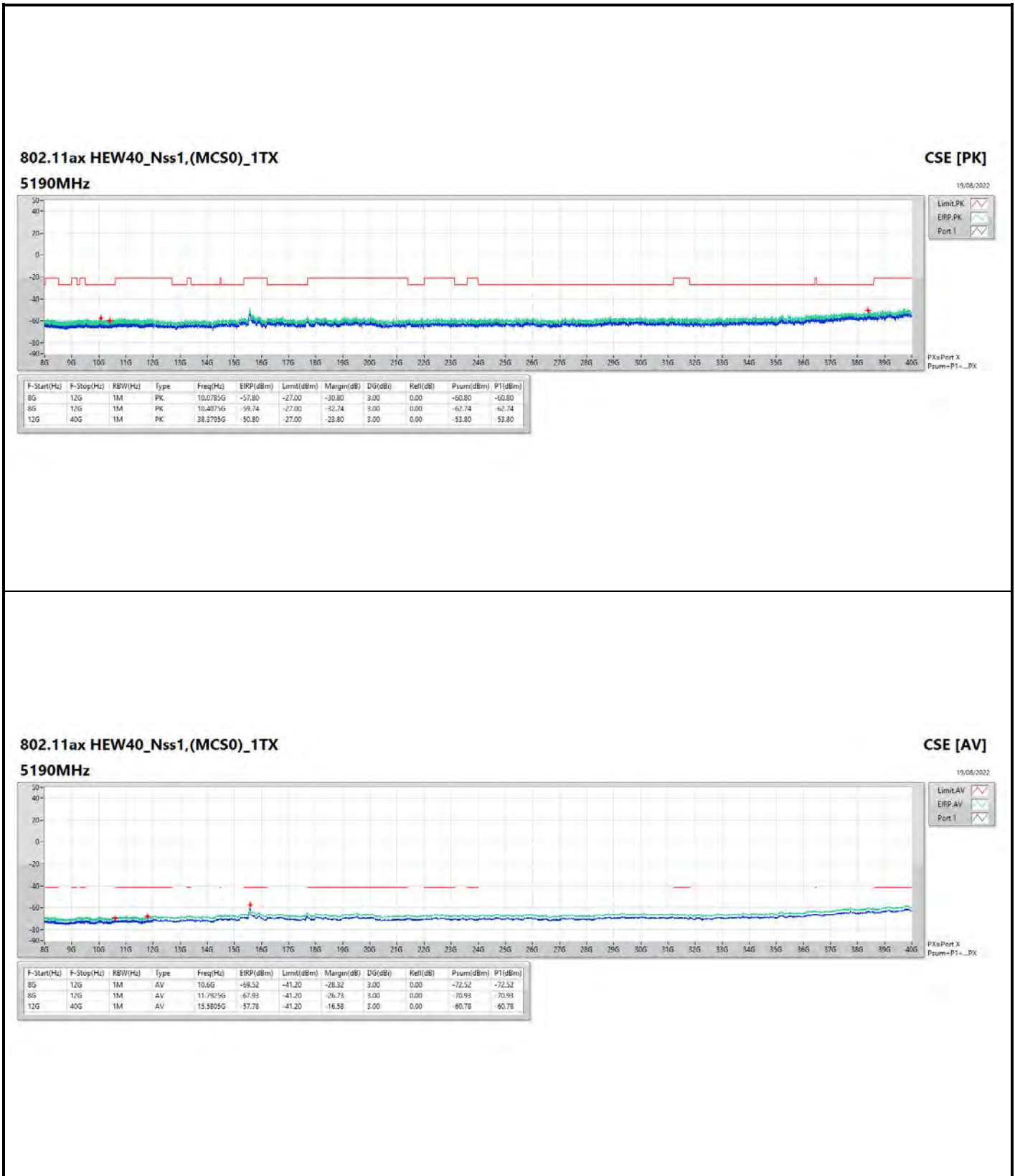
5825MHz

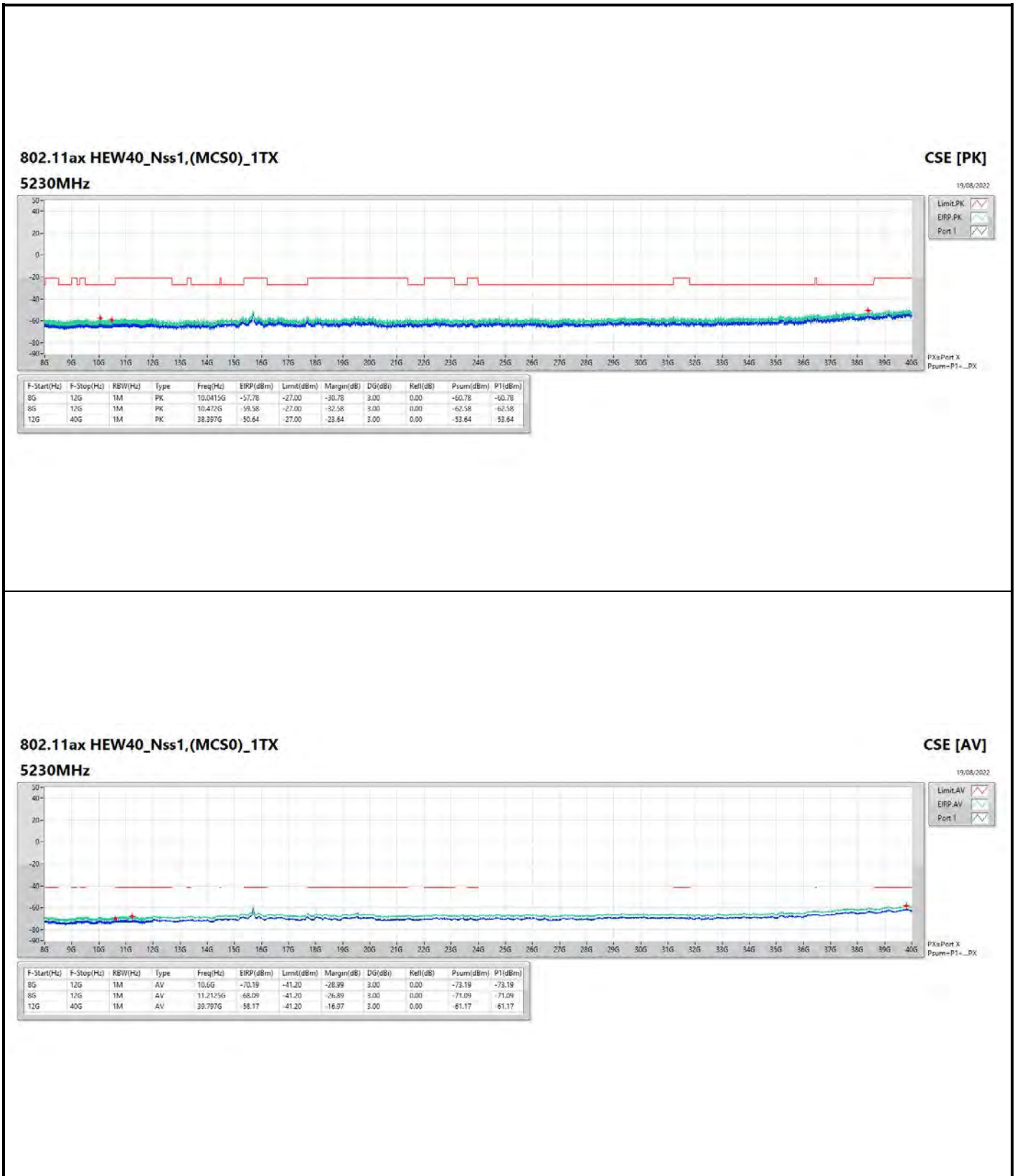
CSE [AV]

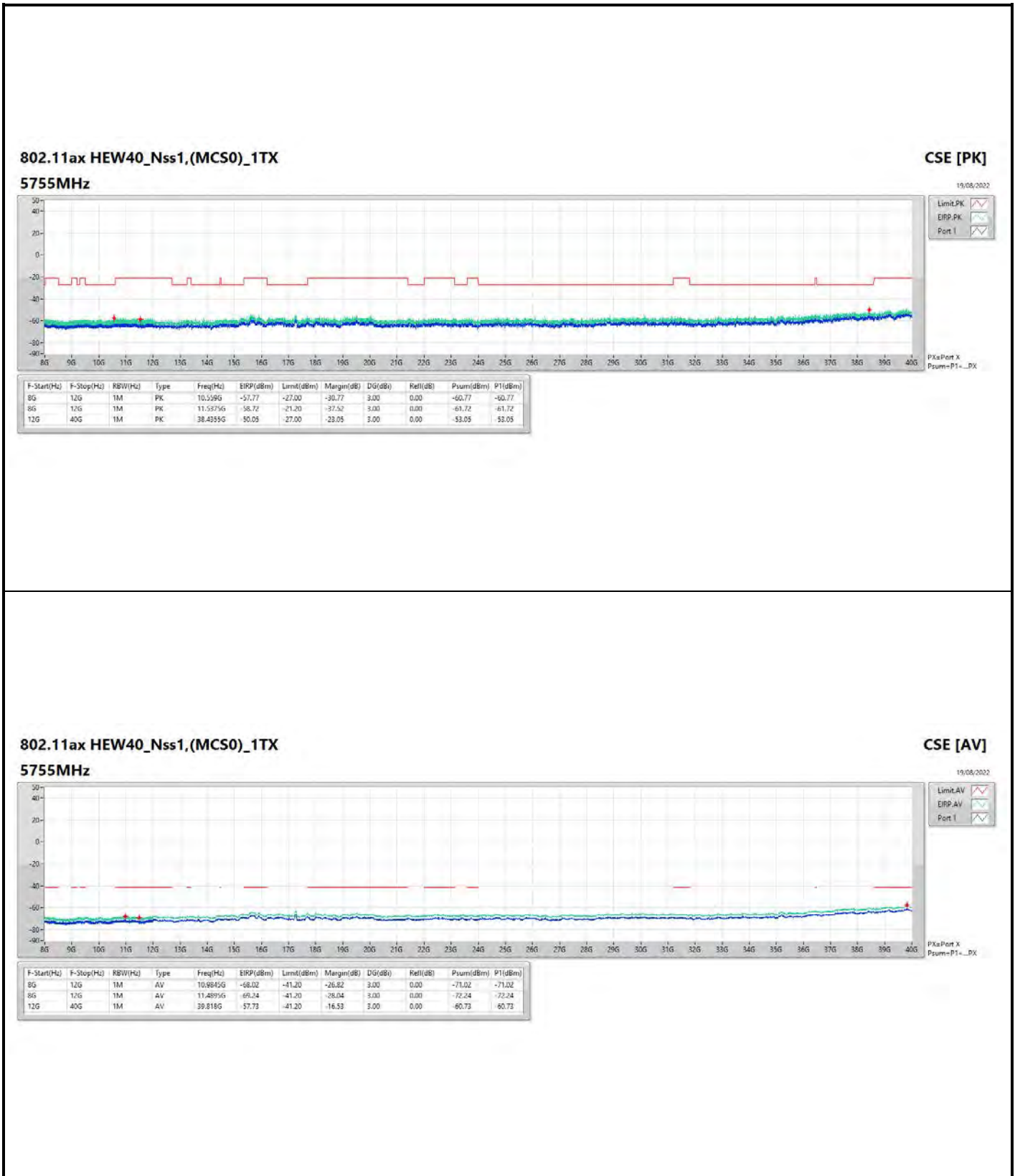
19/08/2022

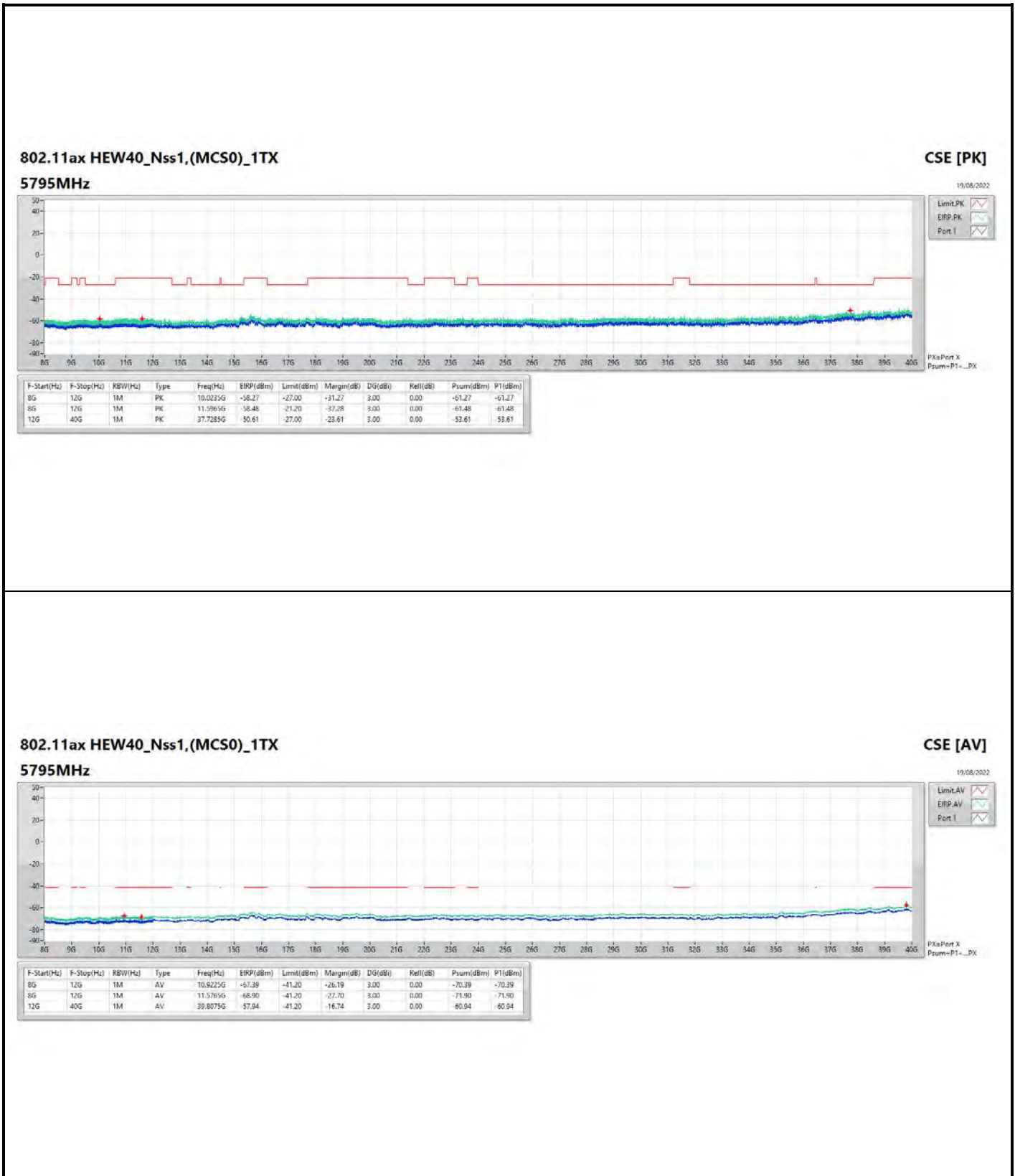


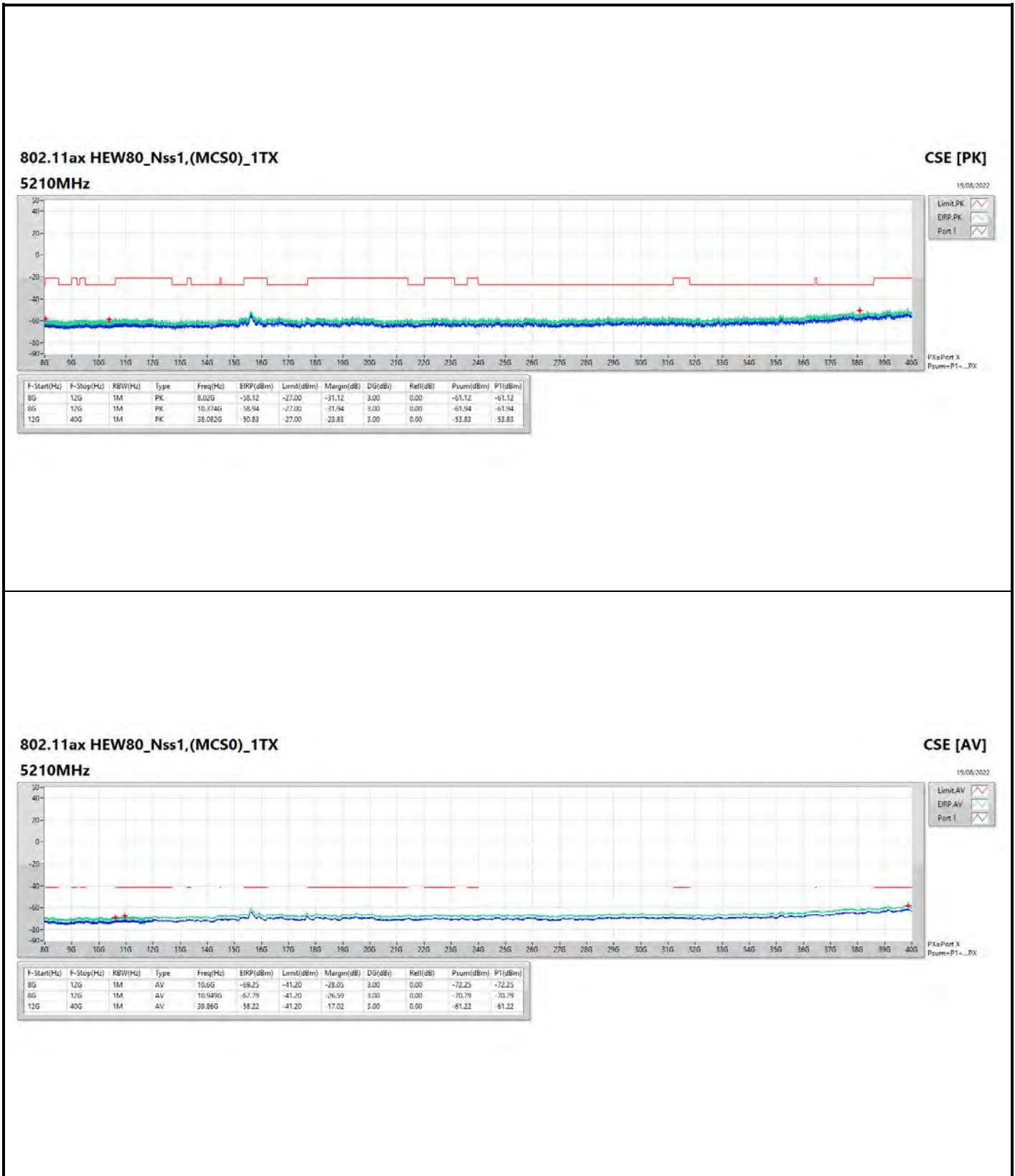
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	ERP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
8G	12G	1M	AV	10.9255G	-57.86	-41.20	-26.66	3.00	0.00	-70.86	-70.86
8G	12G	1M	AV	11.645G	-68.99	-41.20	-27.79	3.00	0.00	-71.99	-71.99
12G	40G	1M	AV	38.8215G	57.99	-41.20	-16.79	3.00	0.00	60.99	-60.99

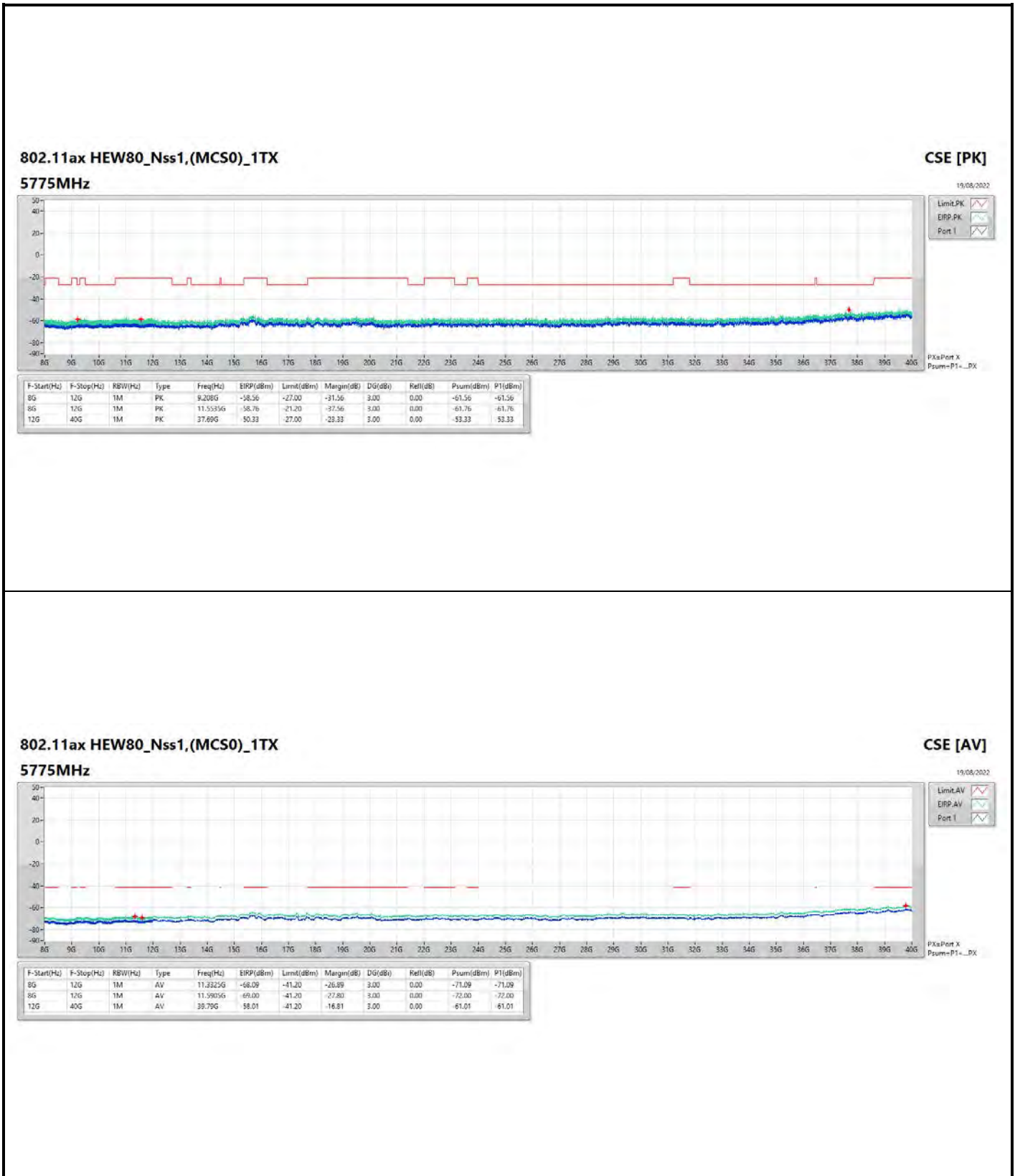


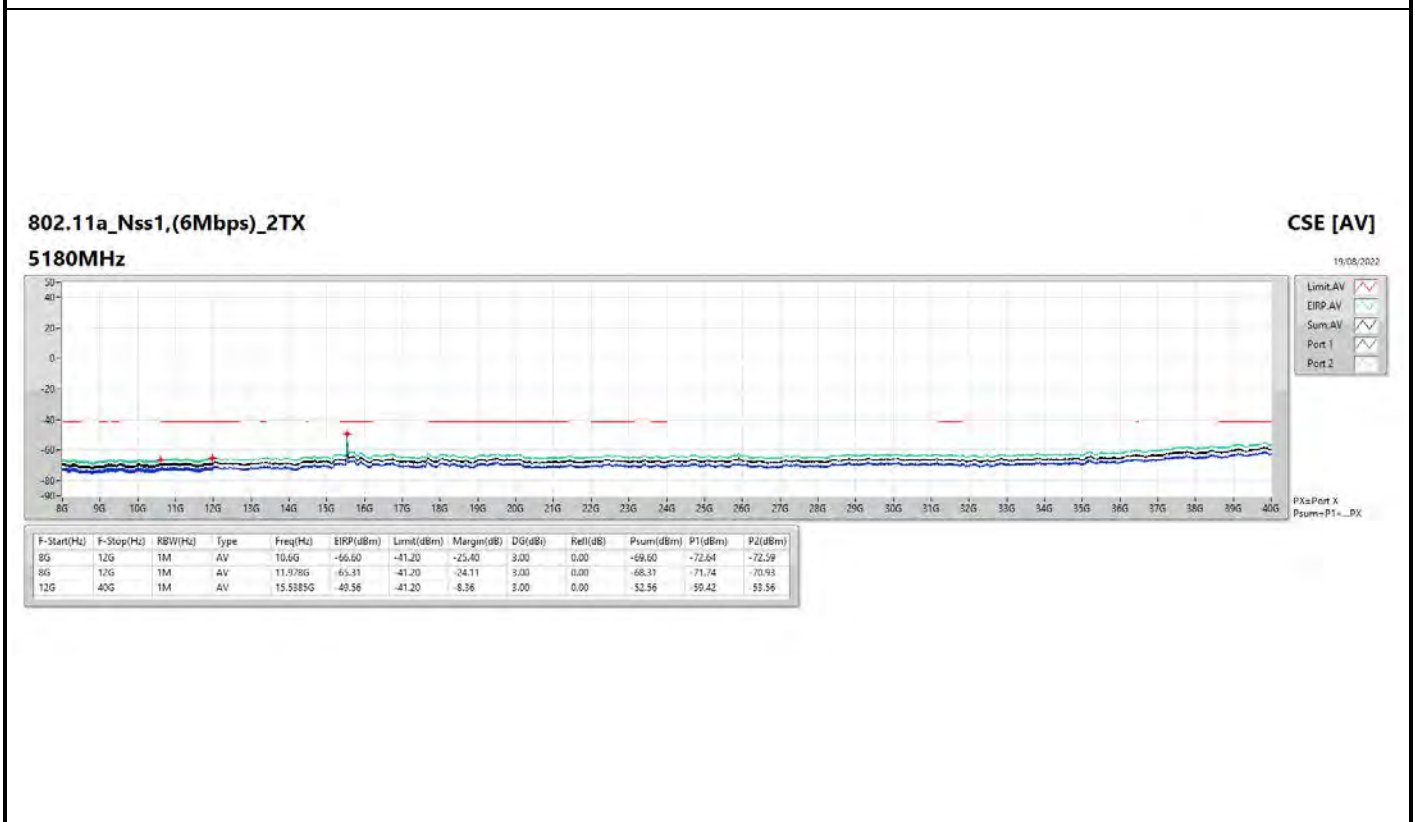
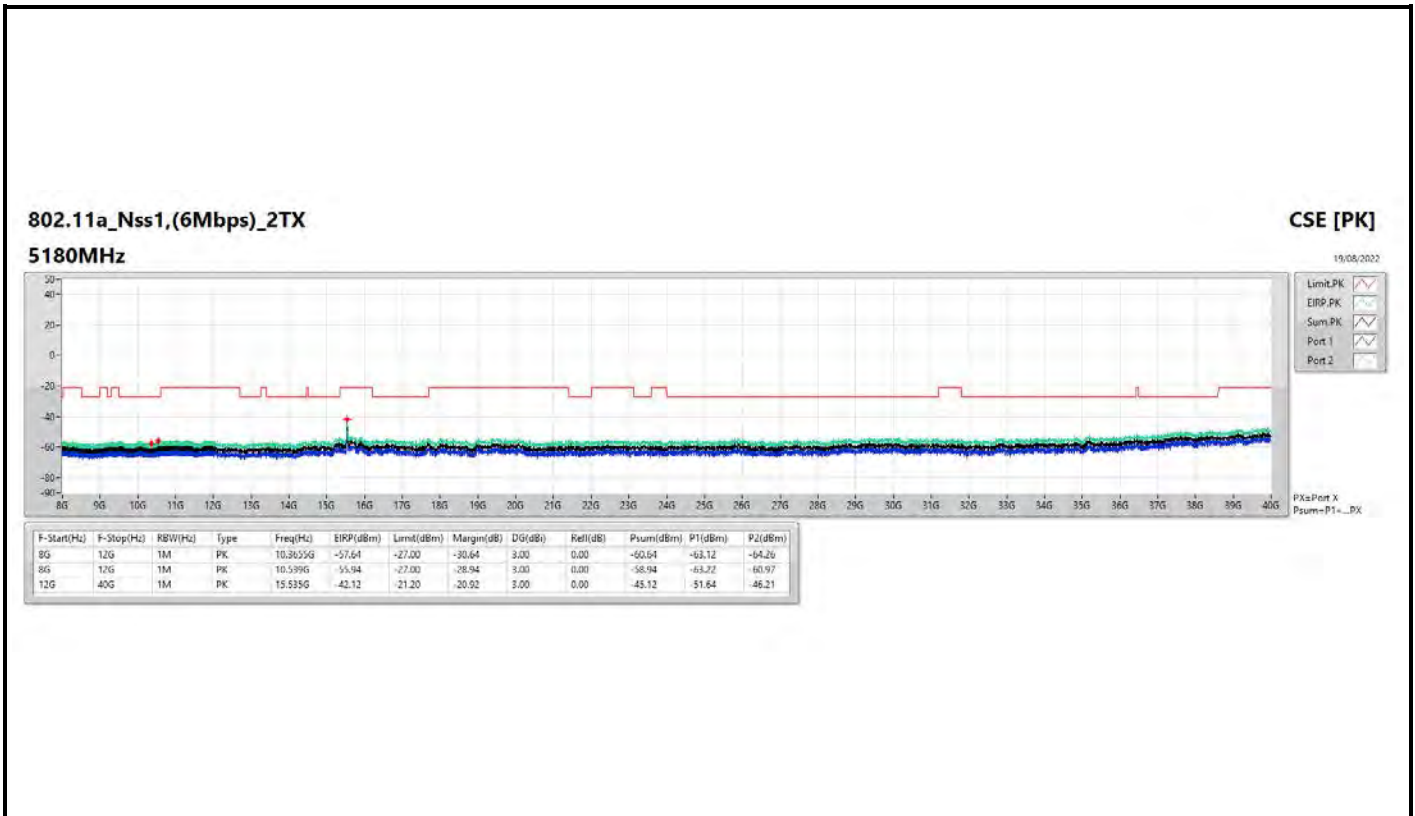


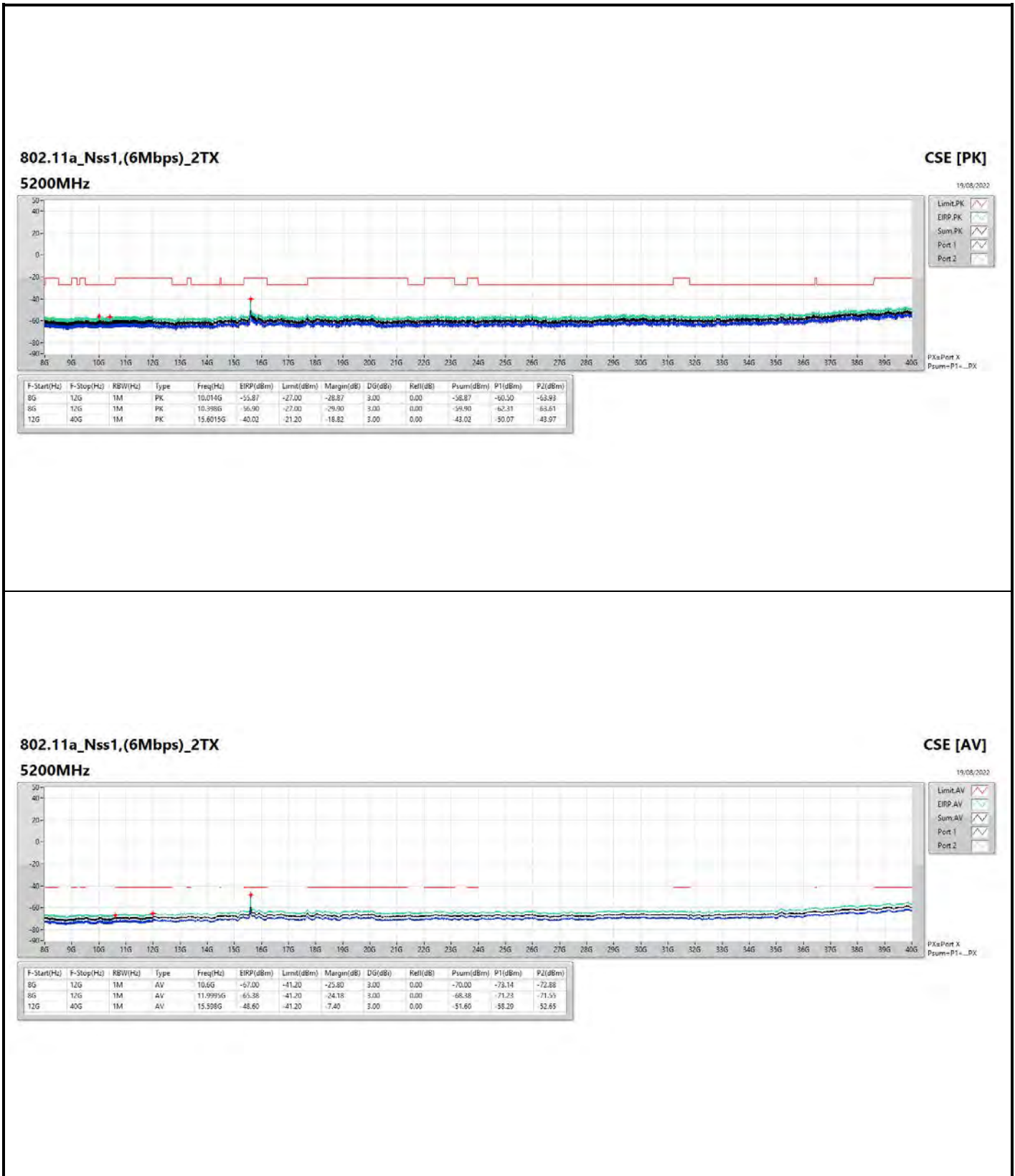


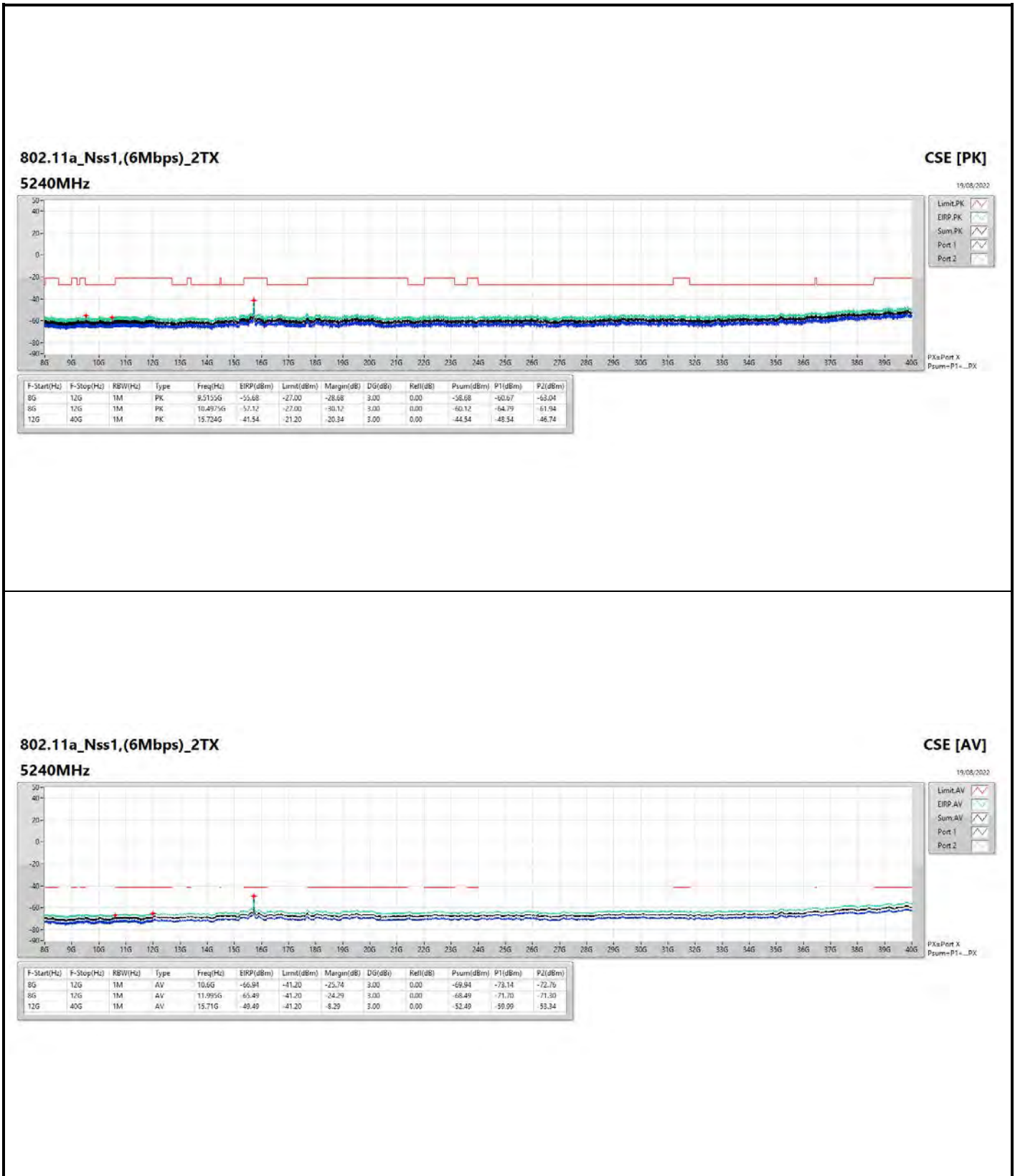


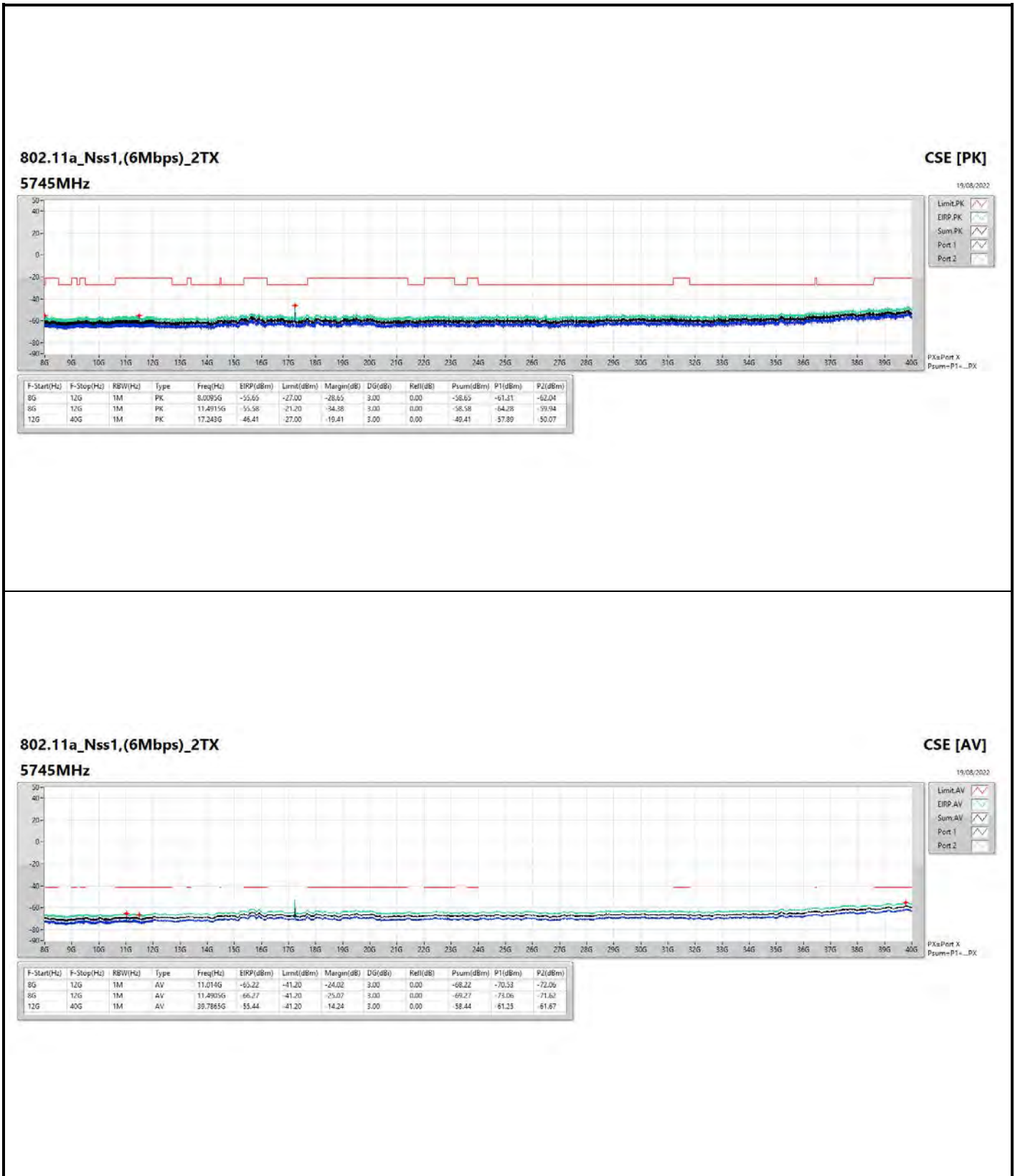


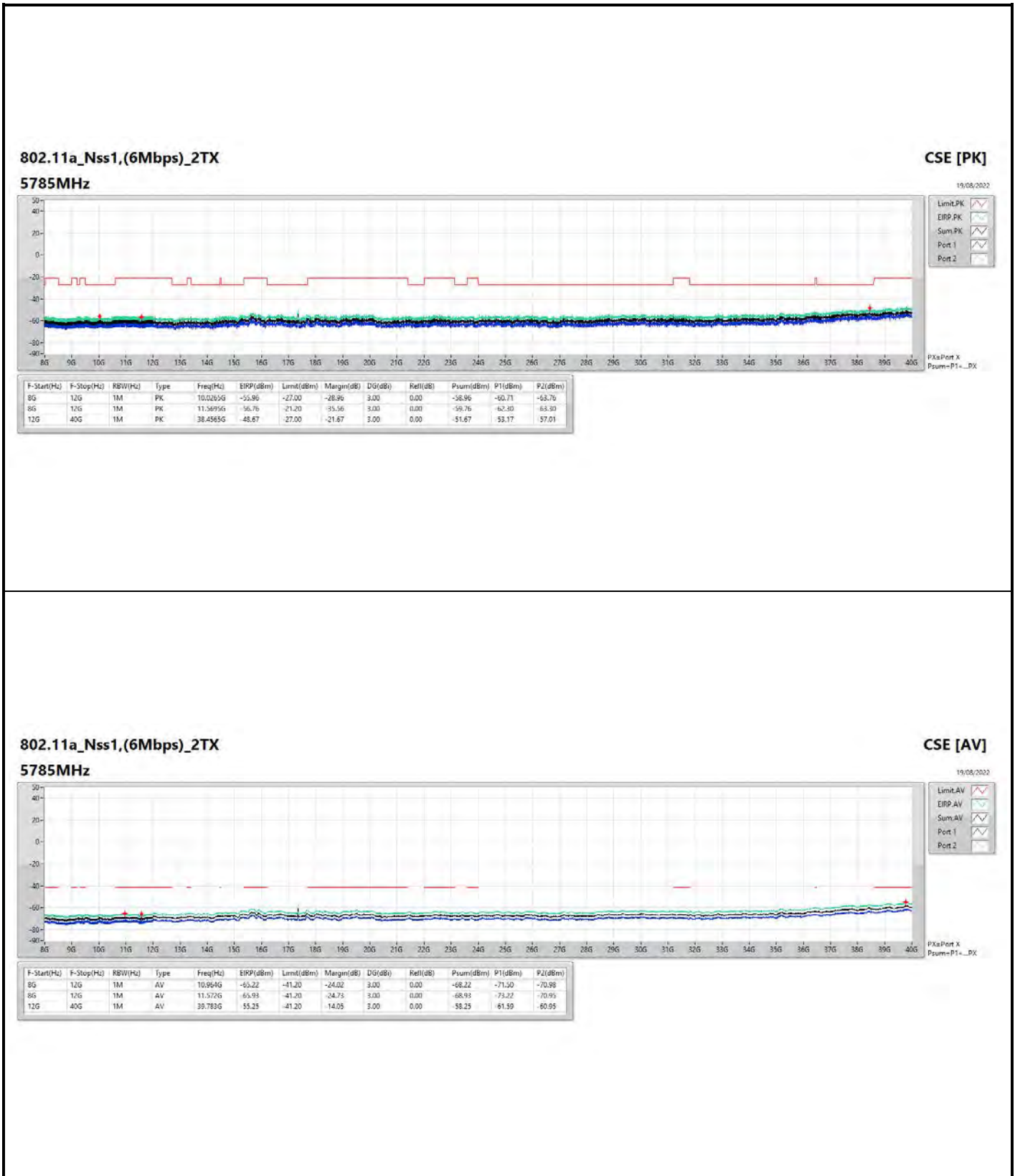


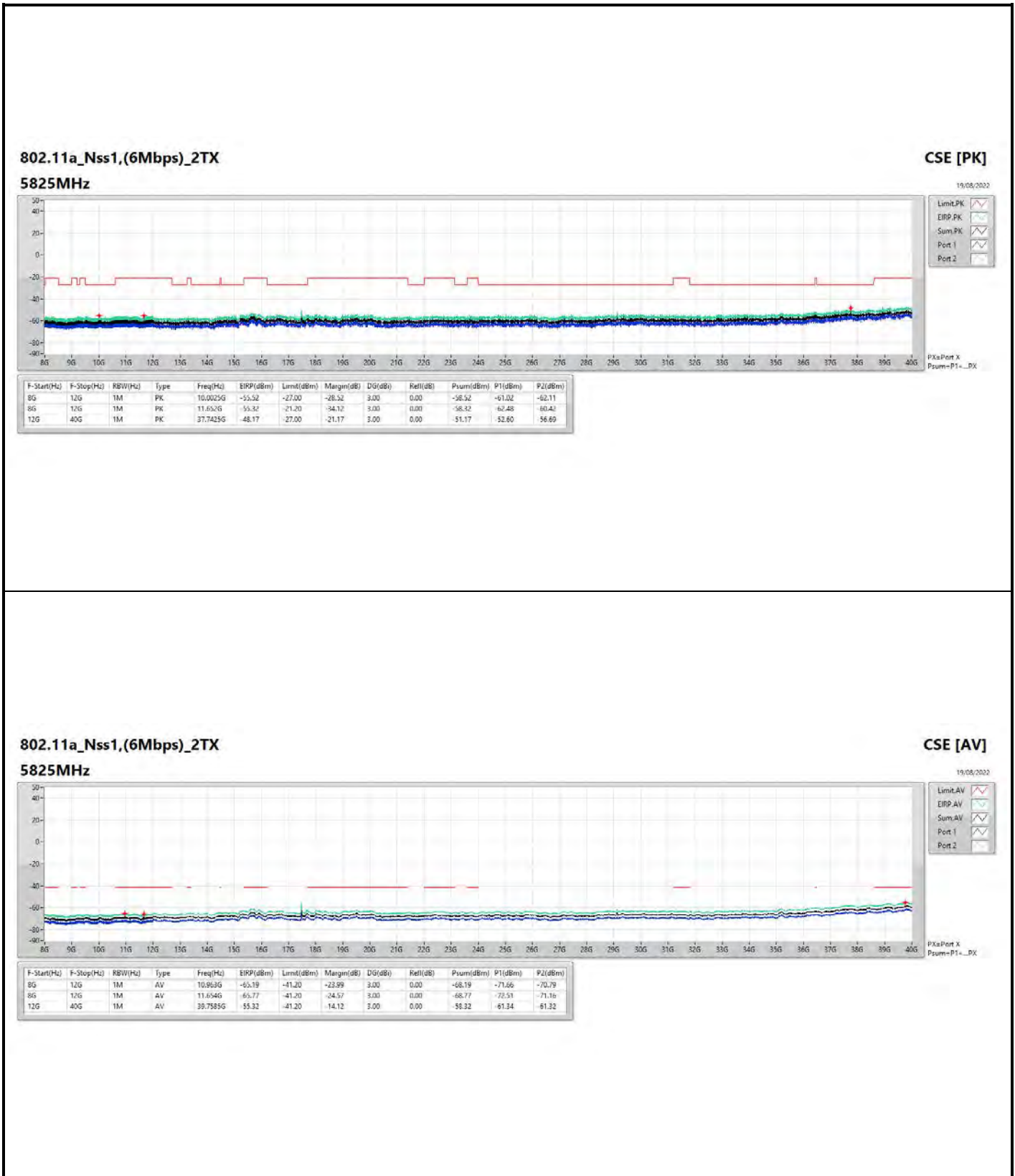


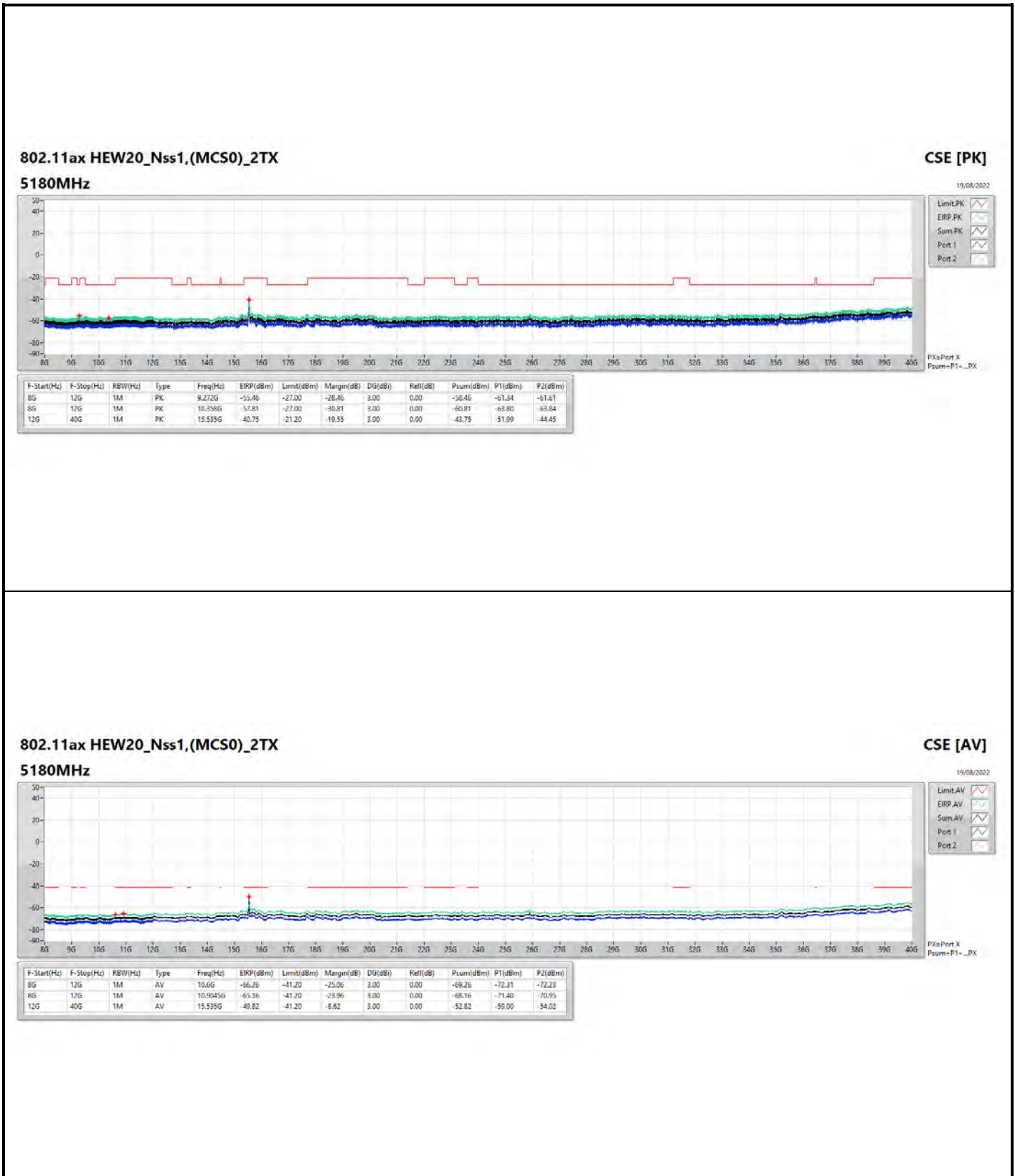


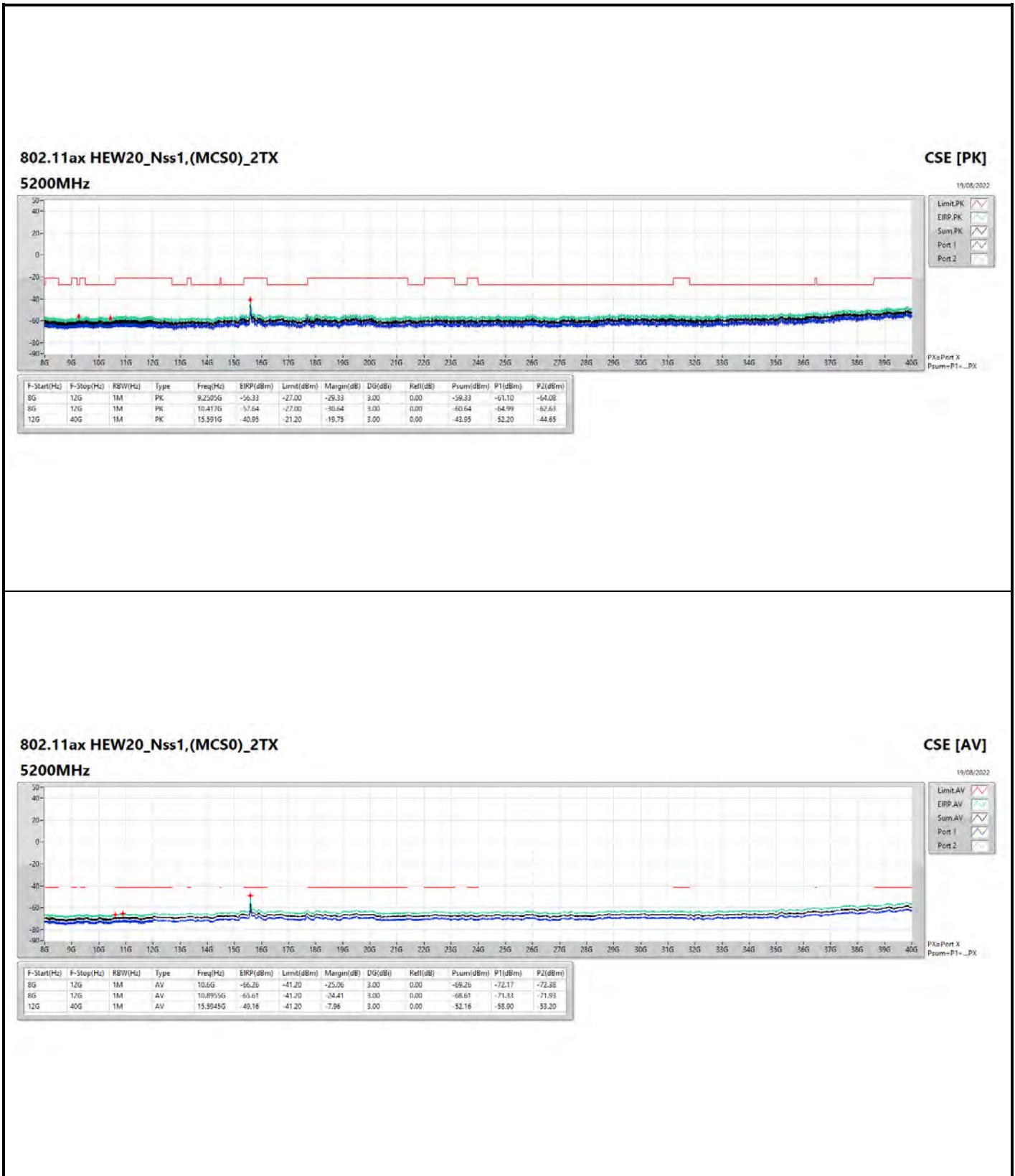


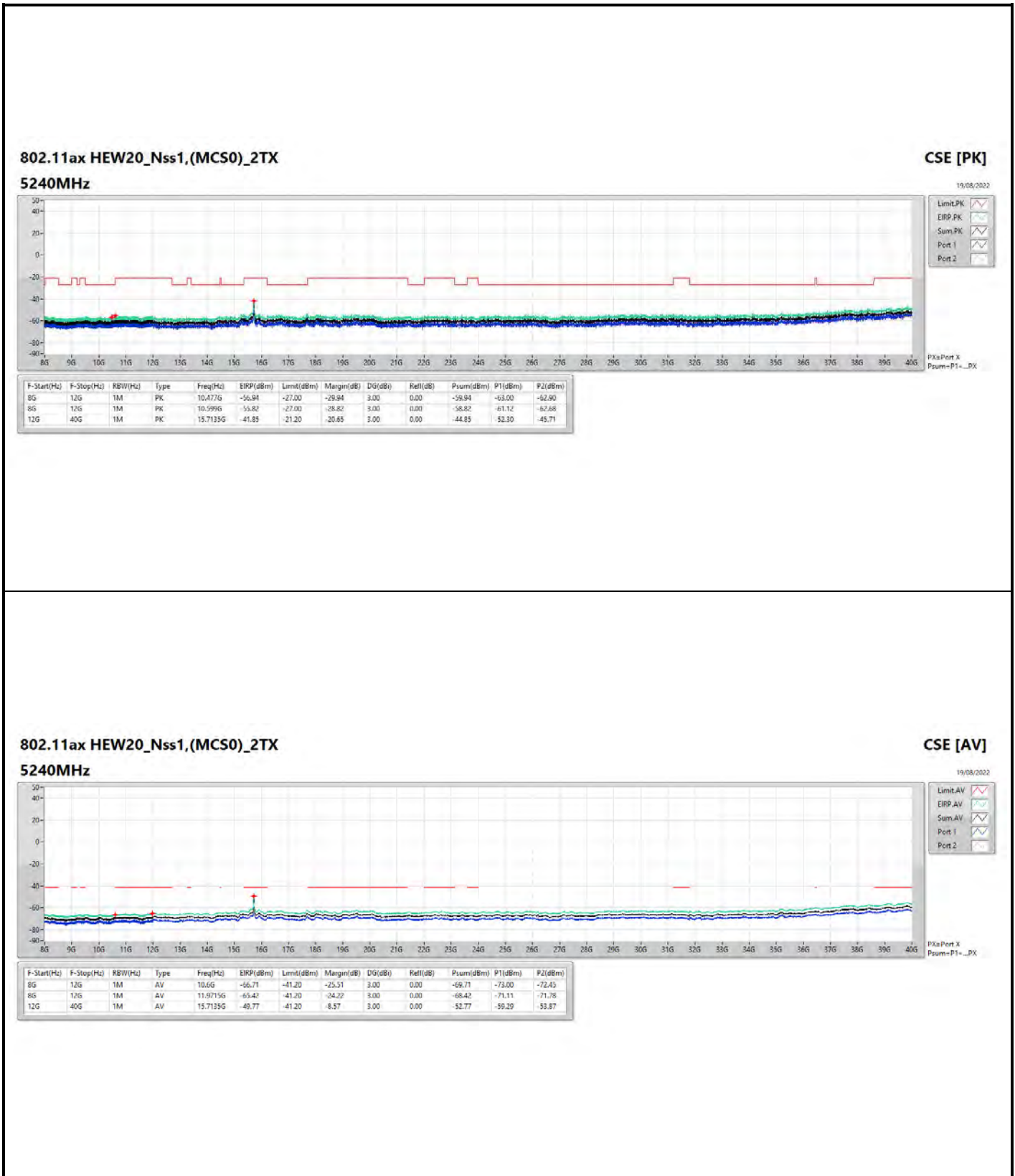










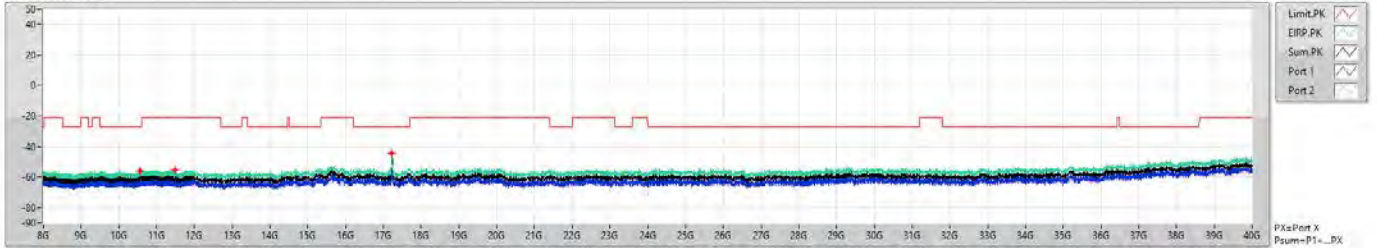


802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz

CSE [PK]

19/08/2022



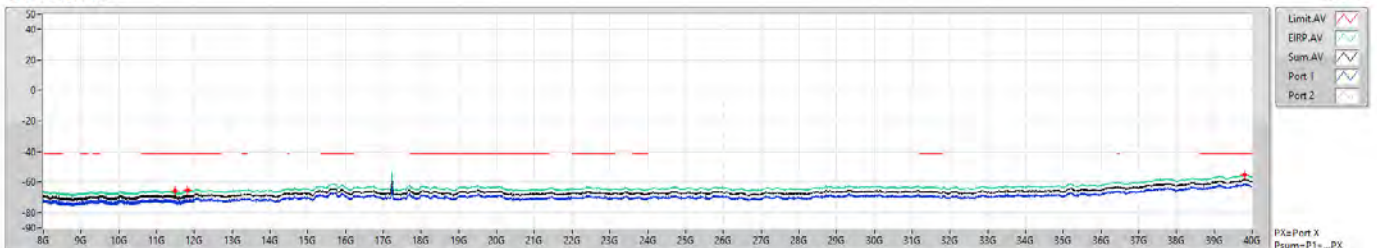
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	12G	1M	PK	10.5505G	-56.17	-27.00	-29.17	3.00	0.00	-59.17	-60.64	-64.12
8G	12G	1M	PK	11.4826G	-55.67	-21.20	-34.47	3.00	0.00	-58.67	-64.52	-60.05
12G	40G	1M	PK	17.219G	-44.69	-27.00	-17.69	3.00	0.00	-47.69	-55.04	-48.57

802.11ax HEW20_Nss1,(MCS0)_2TX

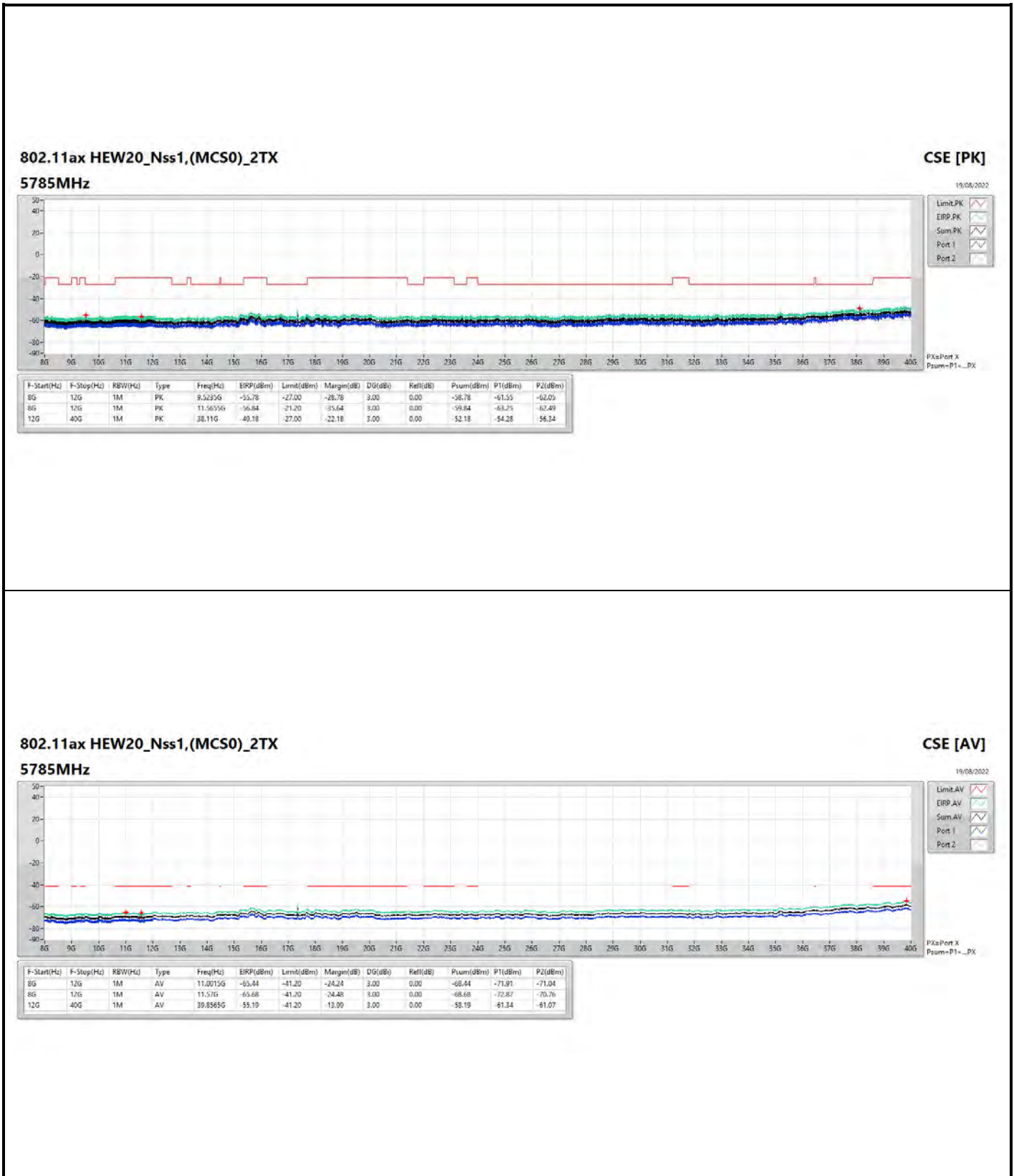
5745MHz

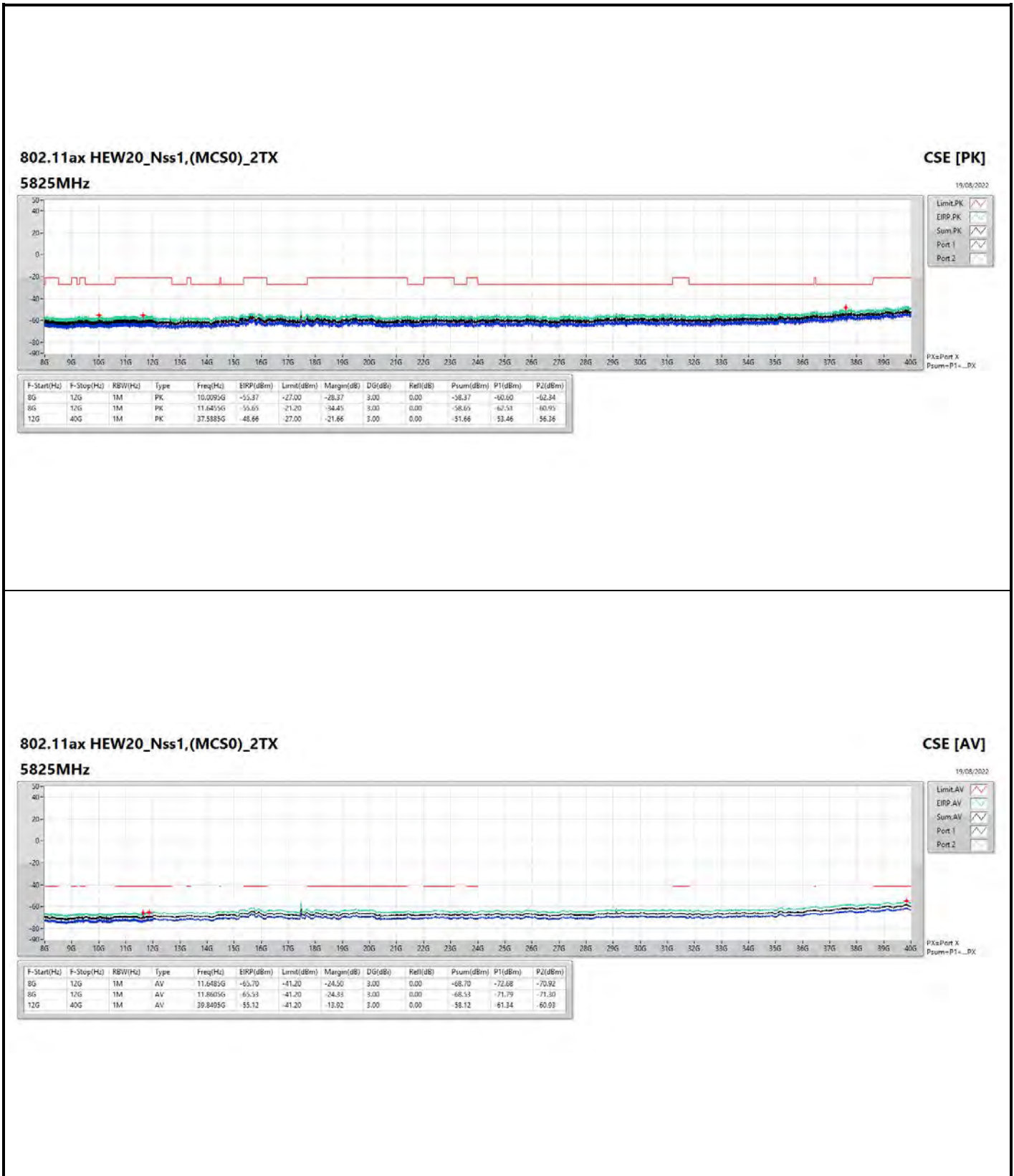
CSE [AV]

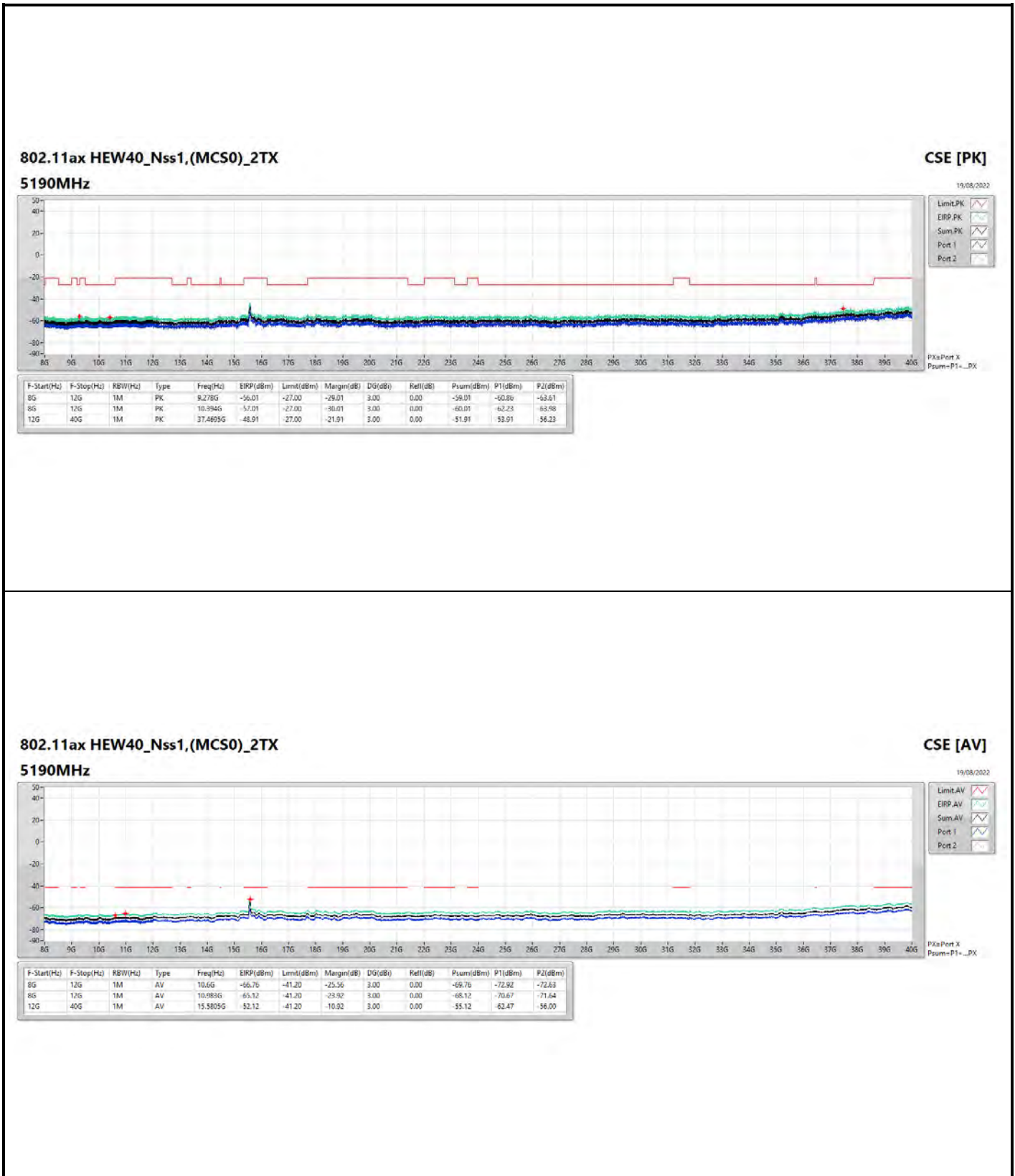
19/08/2022

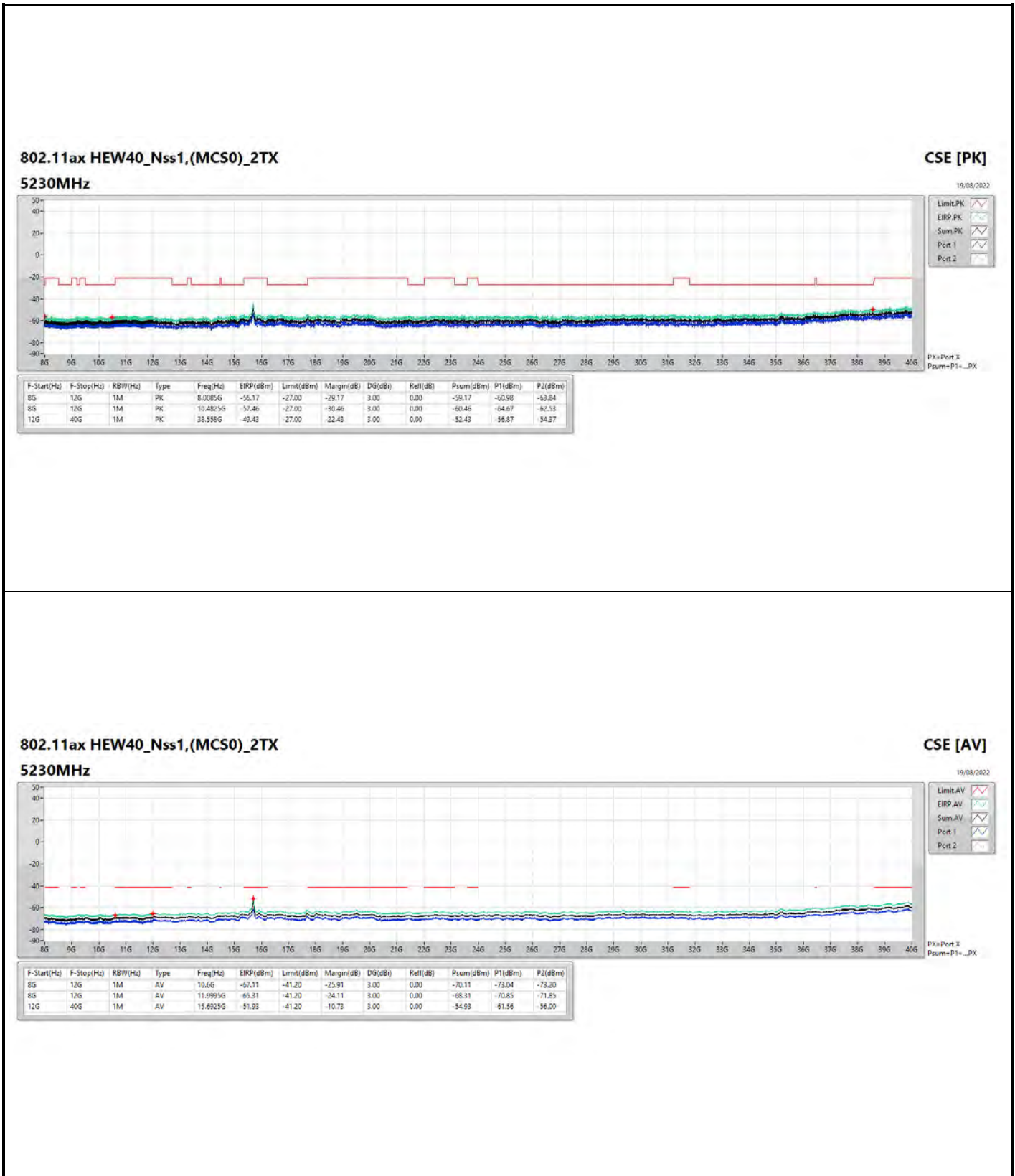


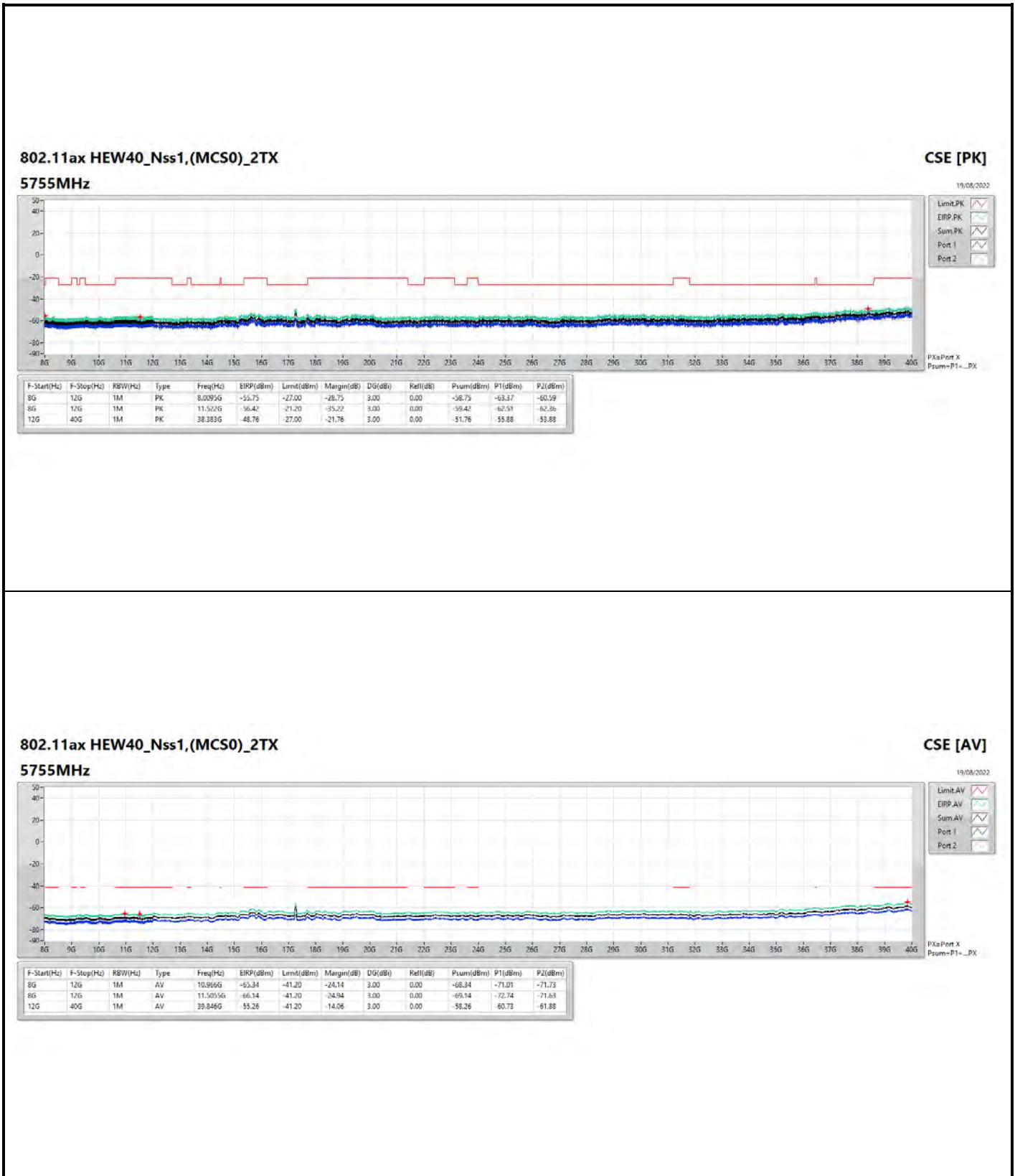
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	12G	1M	AV	11.4895G	-56.17	-41.20	-14.97	3.00	0.00	-59.17	-73.00	-71.49
8G	12G	1M	AV	11.8116G	-65.30	-41.20	-24.10	3.00	0.00	-68.30	-71.72	-70.94
12G	40G	1M	AV	39.811G	-55.44	-41.20	-14.24	3.00	0.00	-58.44	-61.19	-61.73









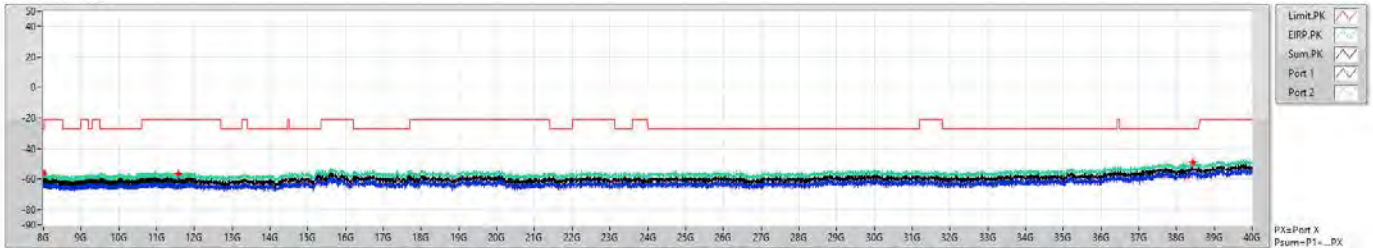


802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz

CSE [PK]

19/08/2022



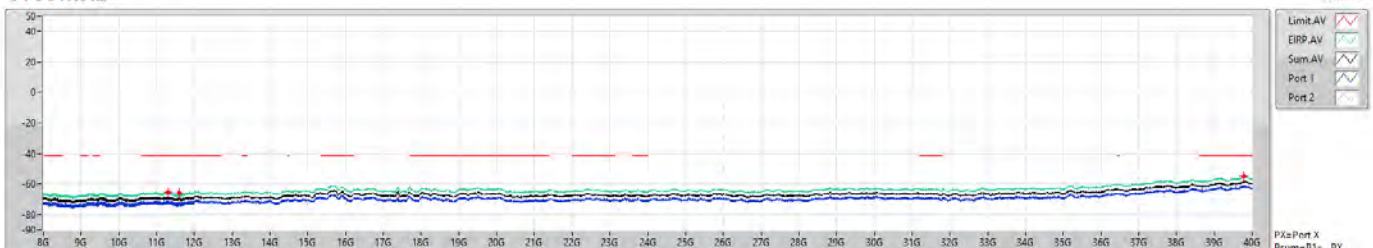
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	12G	1M	PK	8.0175G	-56.05	-27.00	-29.05	3.00	0.00	-59.05	-63.49	-60.99
8G	12G	1M	PK	11.5745G	-56.40	-21.20	-35.20	3.00	0.00	-59.40	-63.32	-61.66
12G	40G	1M	PK	38.4285G	-48.87	-27.00	-21.87	3.00	0.00	-51.87	-54.55	-55.24

802.11ax HEW40_Nss1,(MCS0)_2TX

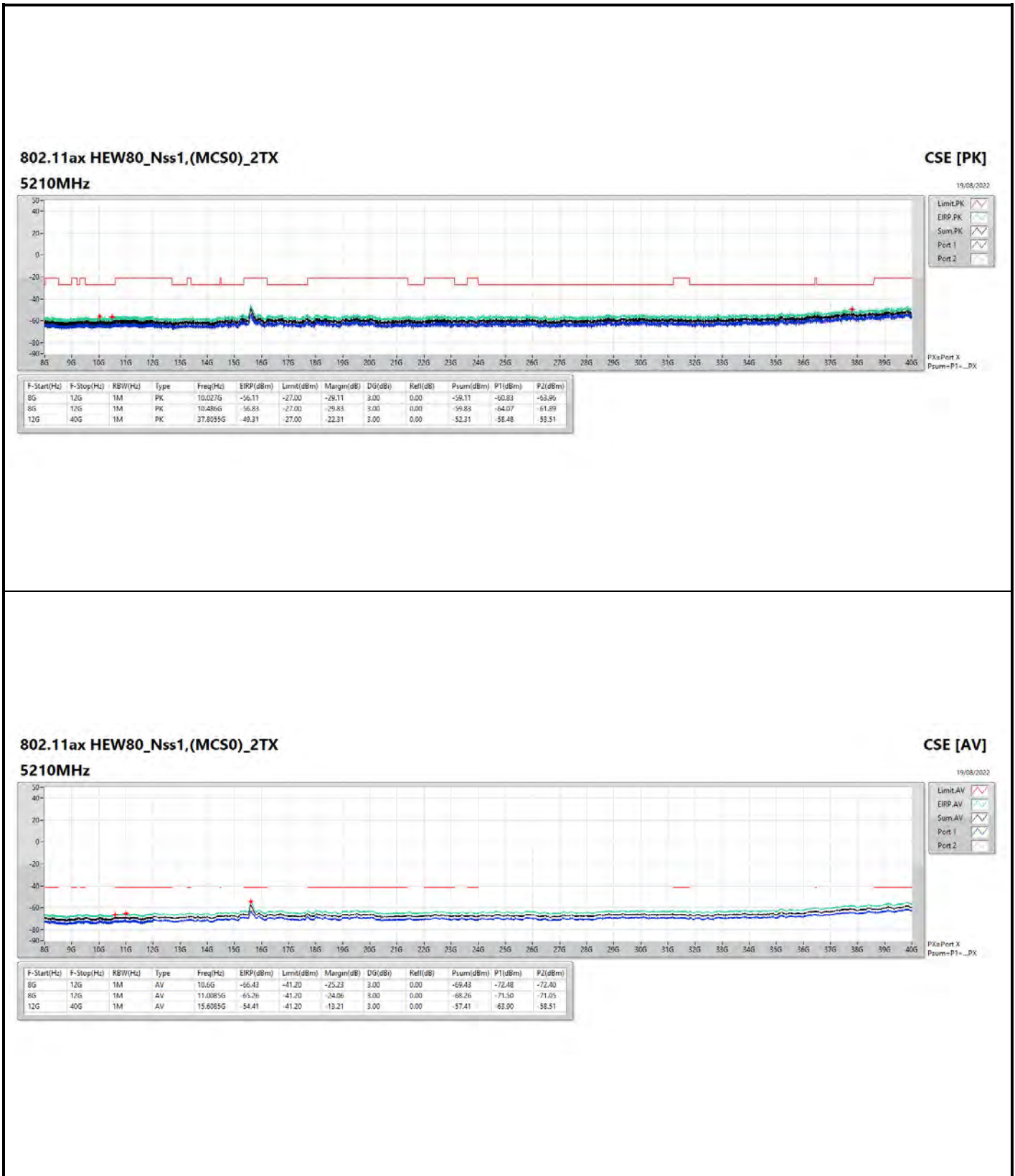
5795MHz

CSE [AV]

19/08/2022



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)	P2(dBm)
8G	12G	1M	AV	11.316G	-55.36	-41.20	-14.16	3.00	0.00	-68.36	-70.94	-71.83
8G	12G	1M	AV	11.5855G	-66.11	-41.20	-24.91	3.00	0.00	-69.11	-72.62	-71.68
12G	40G	1M	AV	38.79G	-55.28	-41.20	-14.08	3.00	0.00	-68.28	-61.42	-61.13

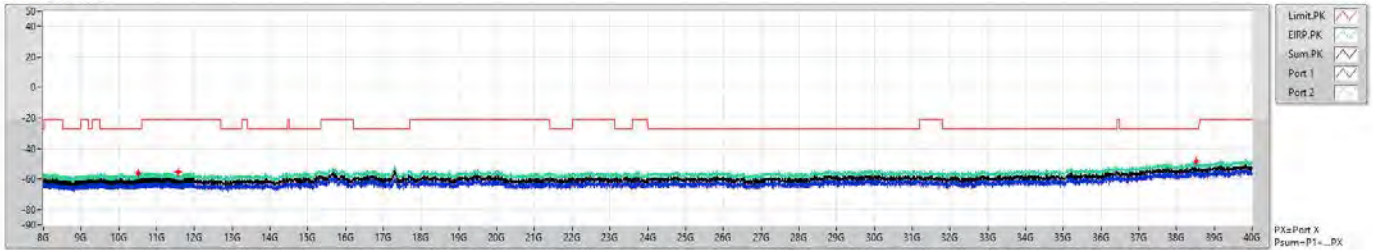


802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz

CSE [PK]

19/08/2022



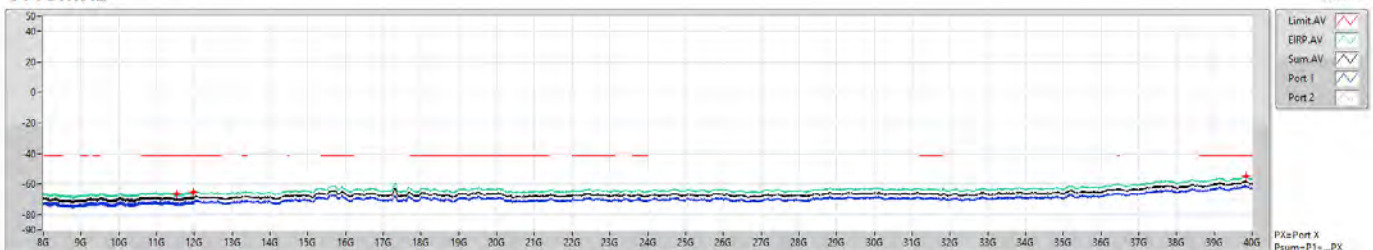
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	12G	1M	PK	10.504G	-56.21	-27.00	-29.21	3.00	0.00	-59.21	-60.78	-64.39
8G	12G	1M	PK	11.568G	-55.49	-21.00	-34.49	3.00	0.00	-58.49	-63.51	-60.13
12G	40G	1M	PK	38.516G	-48.69	-27.00	-21.69	3.00	0.00	-51.69	-54.09	-55.40

802.11ax HEW80_Nss1,(MCS0)_2TX

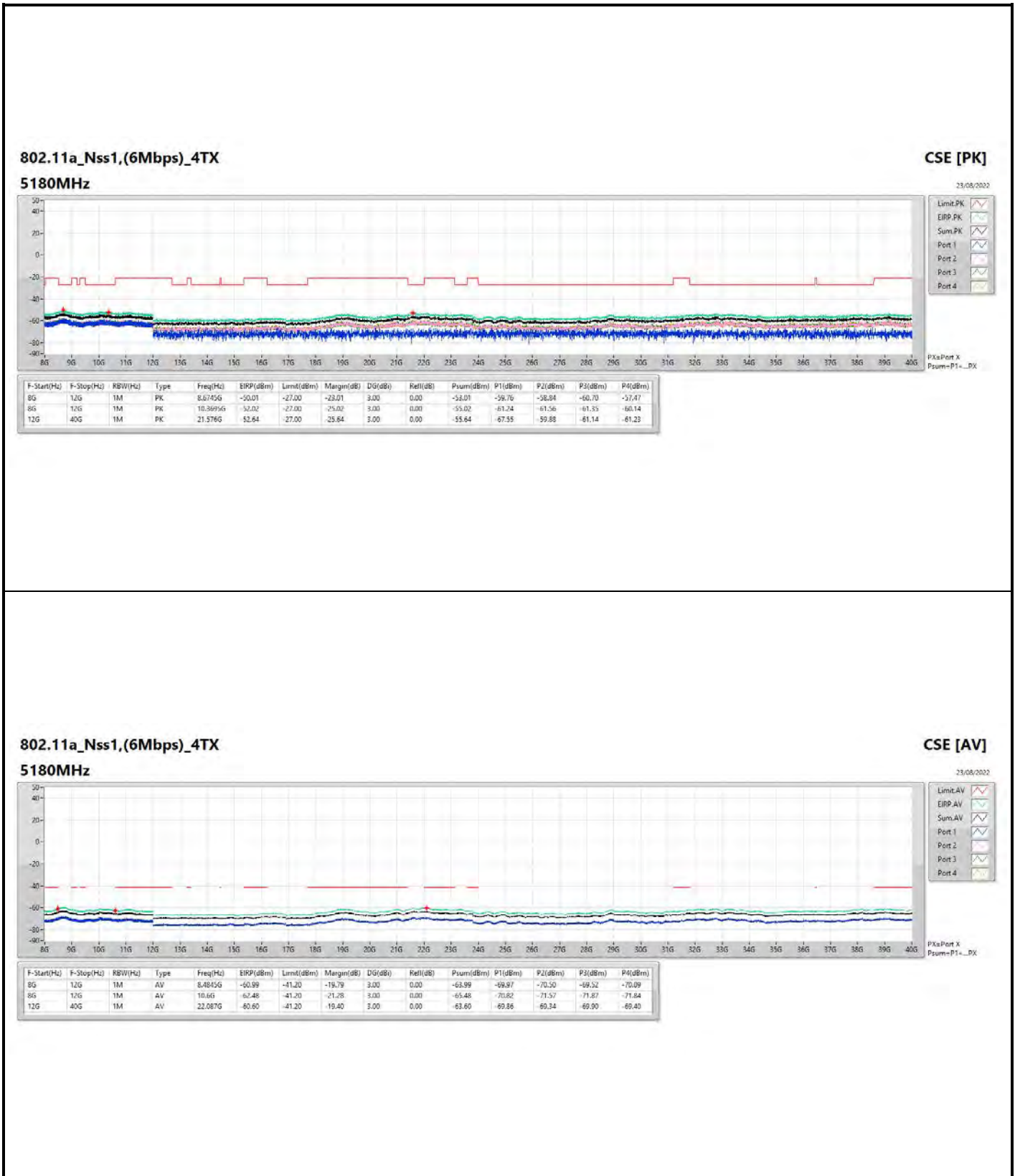
5775MHz

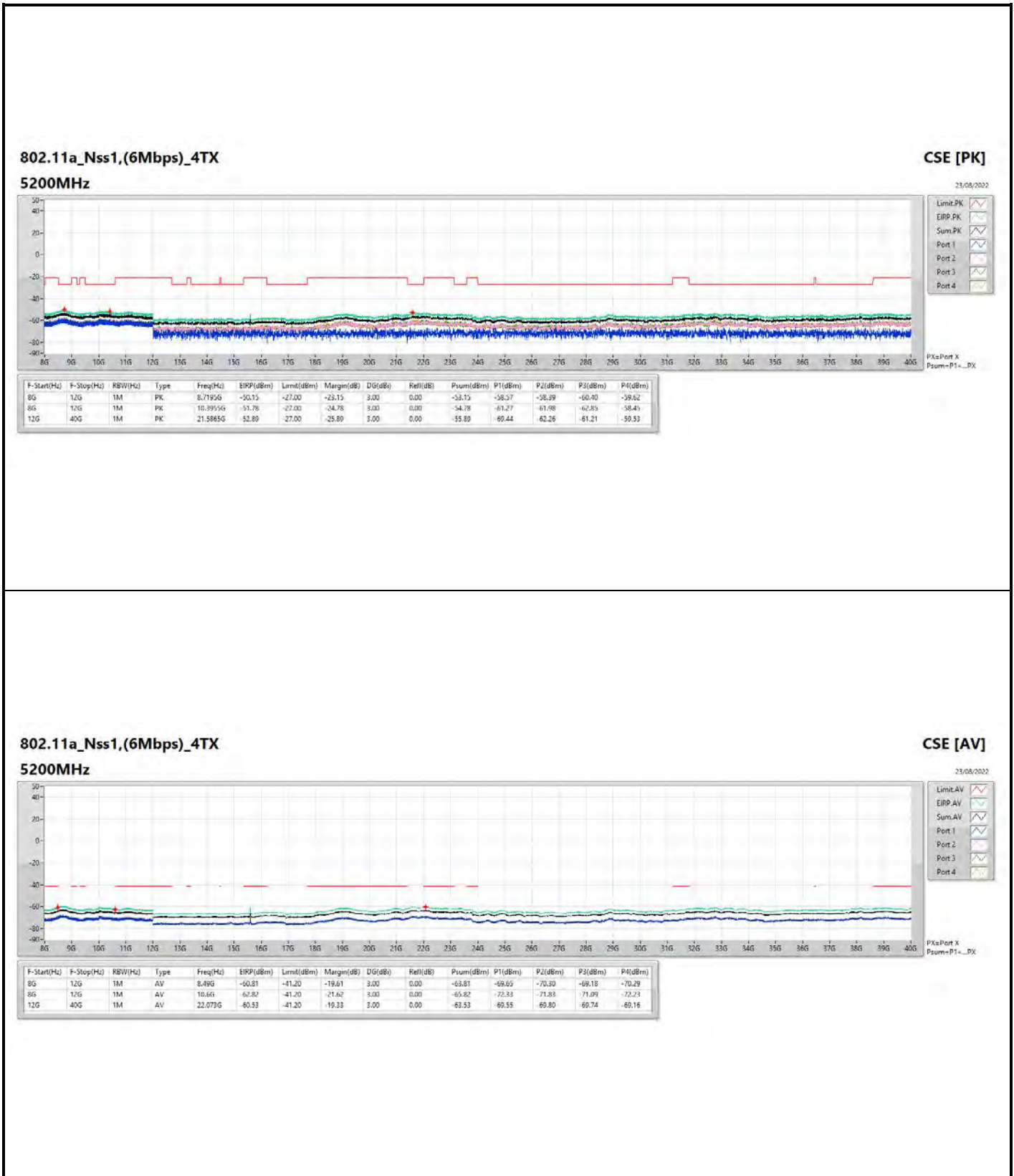
CSE [AV]

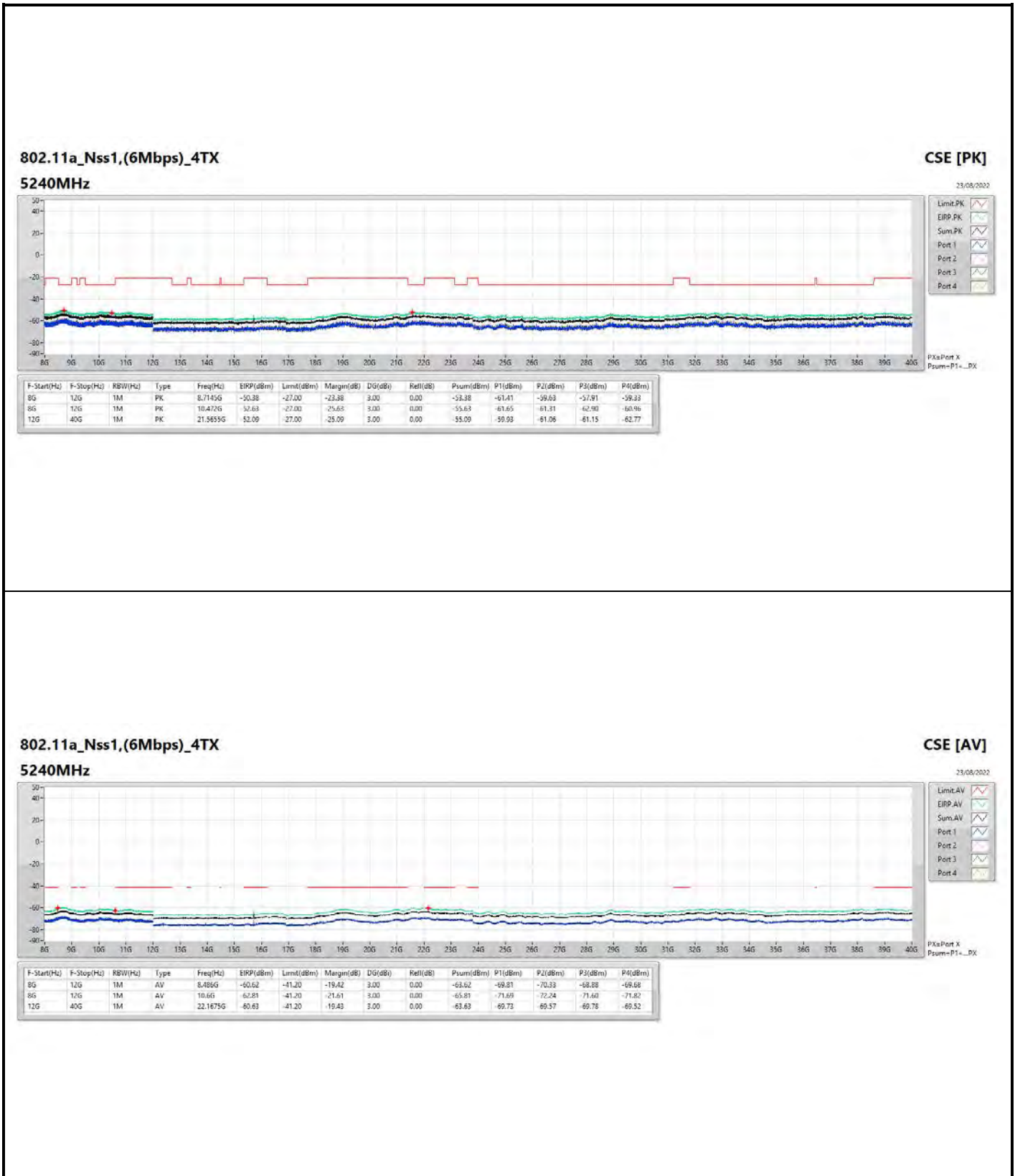
19/08/2022

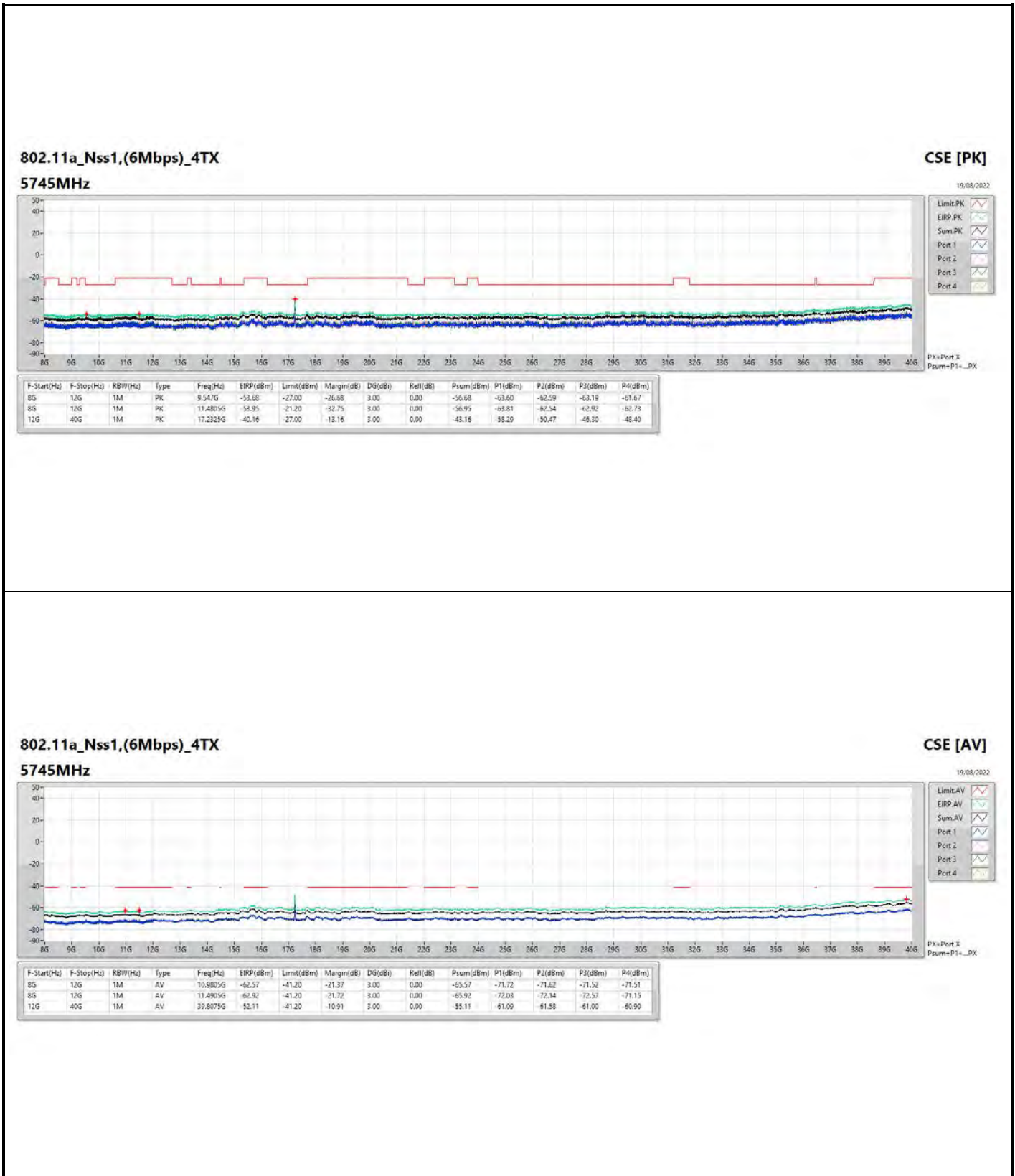


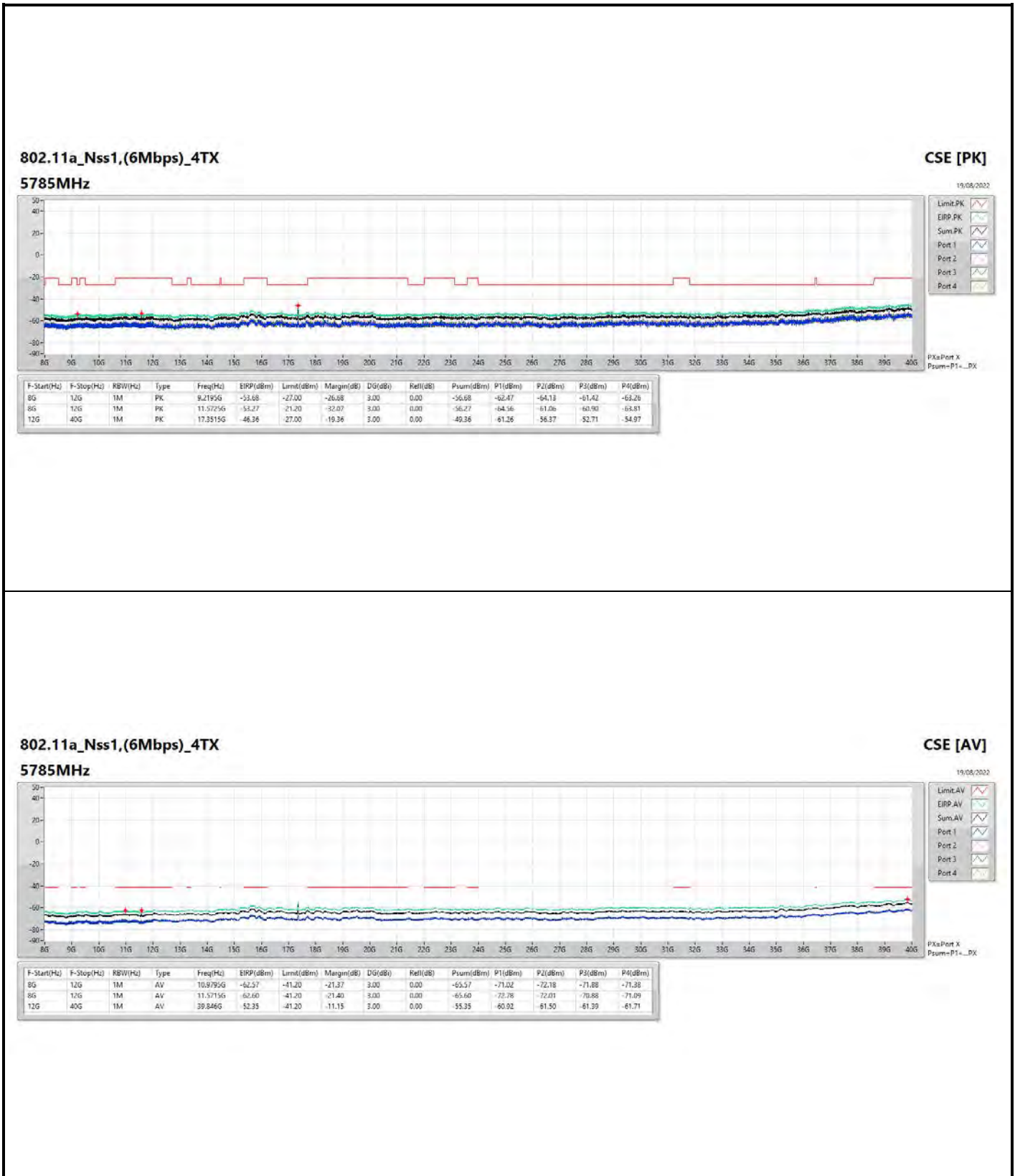
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)
8G	12G	1M	AV	11.5195G	-56.45	-41.20	-25.25	3.00	0.00	-59.45	-73.20	-71.82
8G	12G	1M	AV	11.5685G	-65.26	-41.20	-24.06	3.00	0.00	-68.26	-71.79	-70.81
12G	40G	1M	AV	38.839G	-55.16	-41.20	-13.96	3.00	0.00	-58.16	-61.44	-60.91

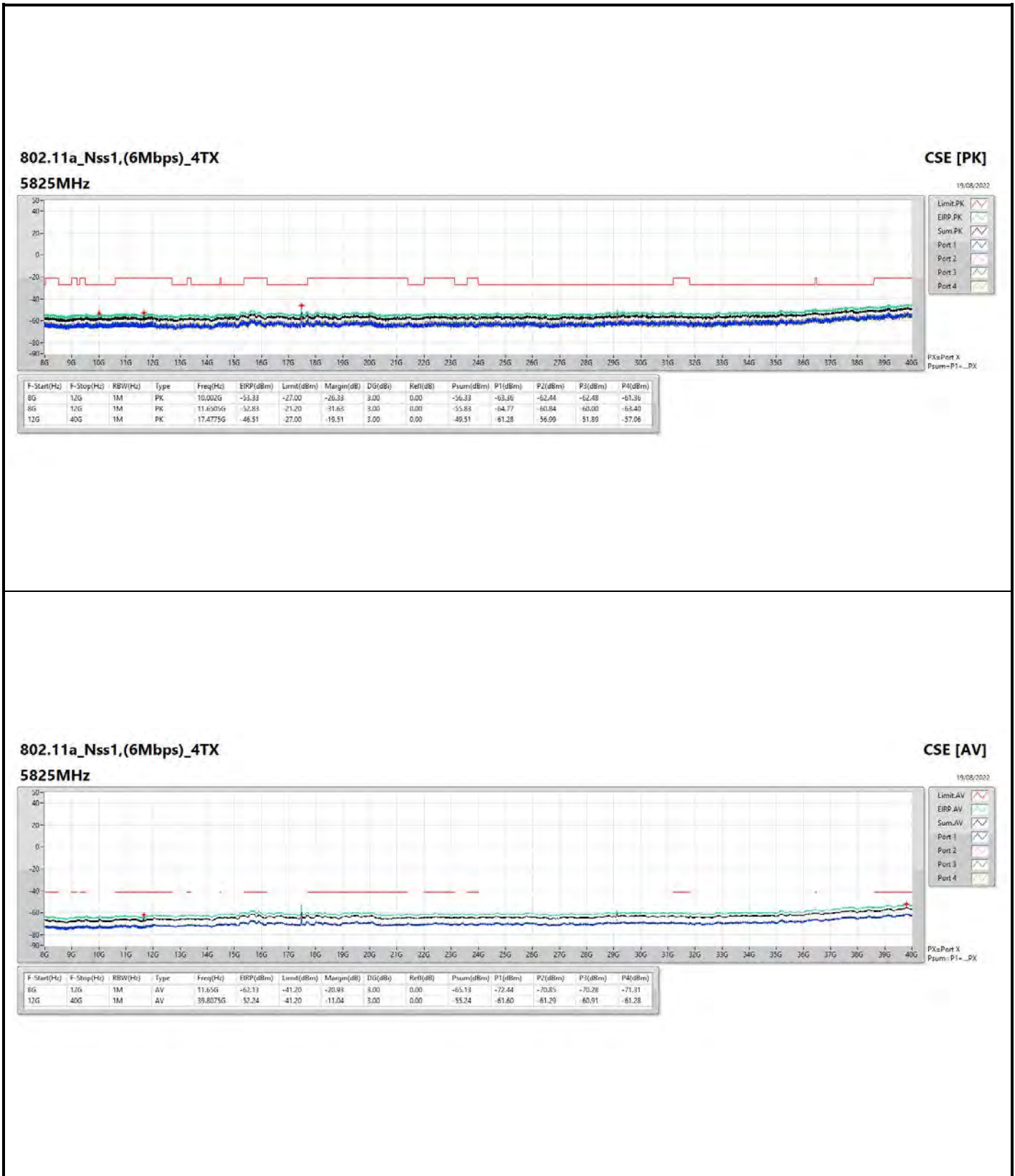










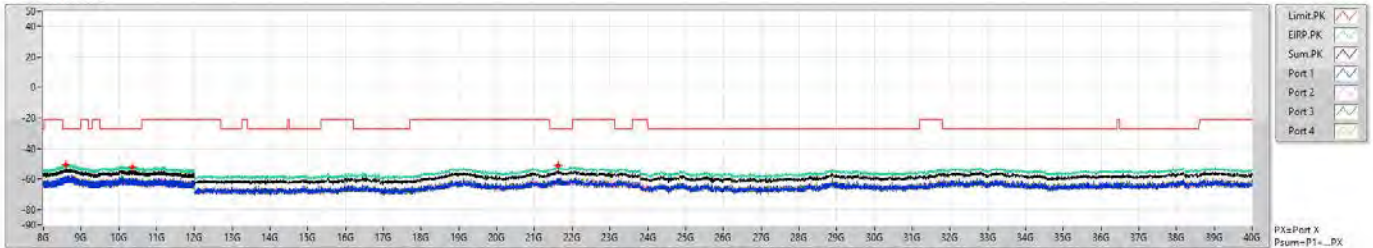


802.11ax HEW20_Nss1,(MCS0)_4TX

CSE [PK]

5180MHz

23/08/2022



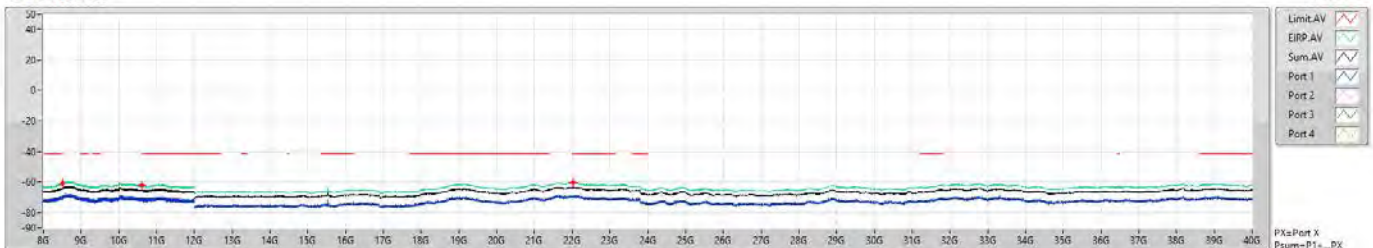
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
85G	12G	1M	PK	8.606G	-50.46	-27.00	-23.46	3.00	0.00	-59.46	-60.49	-58.83	-60.33	-58.61
85G	12G	1M	PK	10.3615G	-52.02	-27.00	-25.02	3.00	0.00	-55.02	-60.70	-62.43	-60.91	-60.39
12G	40G	1M	PK	21.639G	51.39	27.00	24.39	3.00	0.00	54.39	59.41	61.91	60.05	60.67

802.11ax HEW20_Nss1,(MCS0)_4TX

CSE [AV]

5180MHz

23/08/2022



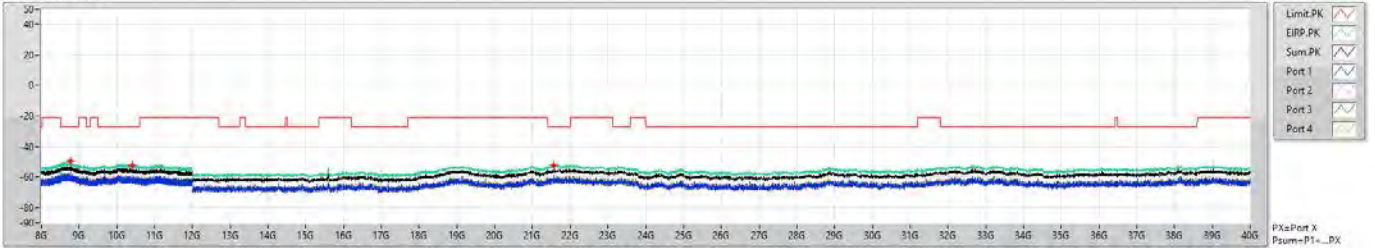
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
85G	12G	1M	AV	8.499G	-51.03	-41.20	-19.83	3.00	0.00	-64.03	-70.65	-68.64	-69.45	-70.60
85G	12G	1M	AV	10.661	-62.19	-41.20	-20.99	3.00	0.00	-65.19	-71.37	-70.70	-71.41	-71.41
12G	40G	1M	AV	22.024G	-60.57	-41.20	-19.37	3.00	0.00	-63.57	-70.20	-70.08	-69.35	-68.87

802.11ax HEW20_Nss1,(MCS0)_4TX

CSE [PK]

5200MHz

23/08/2022



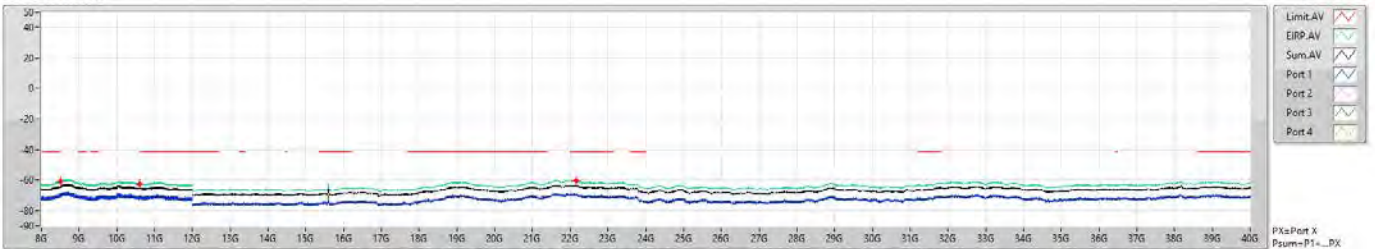
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	12G	1M	PK	8.7365G	-49.72	-27.00	-22.72	3.00	0.00	-52.72	-55.93	-59.37	-60.67	-61.11
8G	12G	1M	PK	10.4045G	-52.17	-27.00	-25.17	3.00	0.00	-55.17	-61.62	-61.04	-63.36	-60.46
12G	40G	1M	PK	21.559G	52.10	-27.00	-25.10	3.00	0.00	55.10	-62.04	-56.68	-62.92	-62.21

802.11ax HEW20_Nss1,(MCS0)_4TX

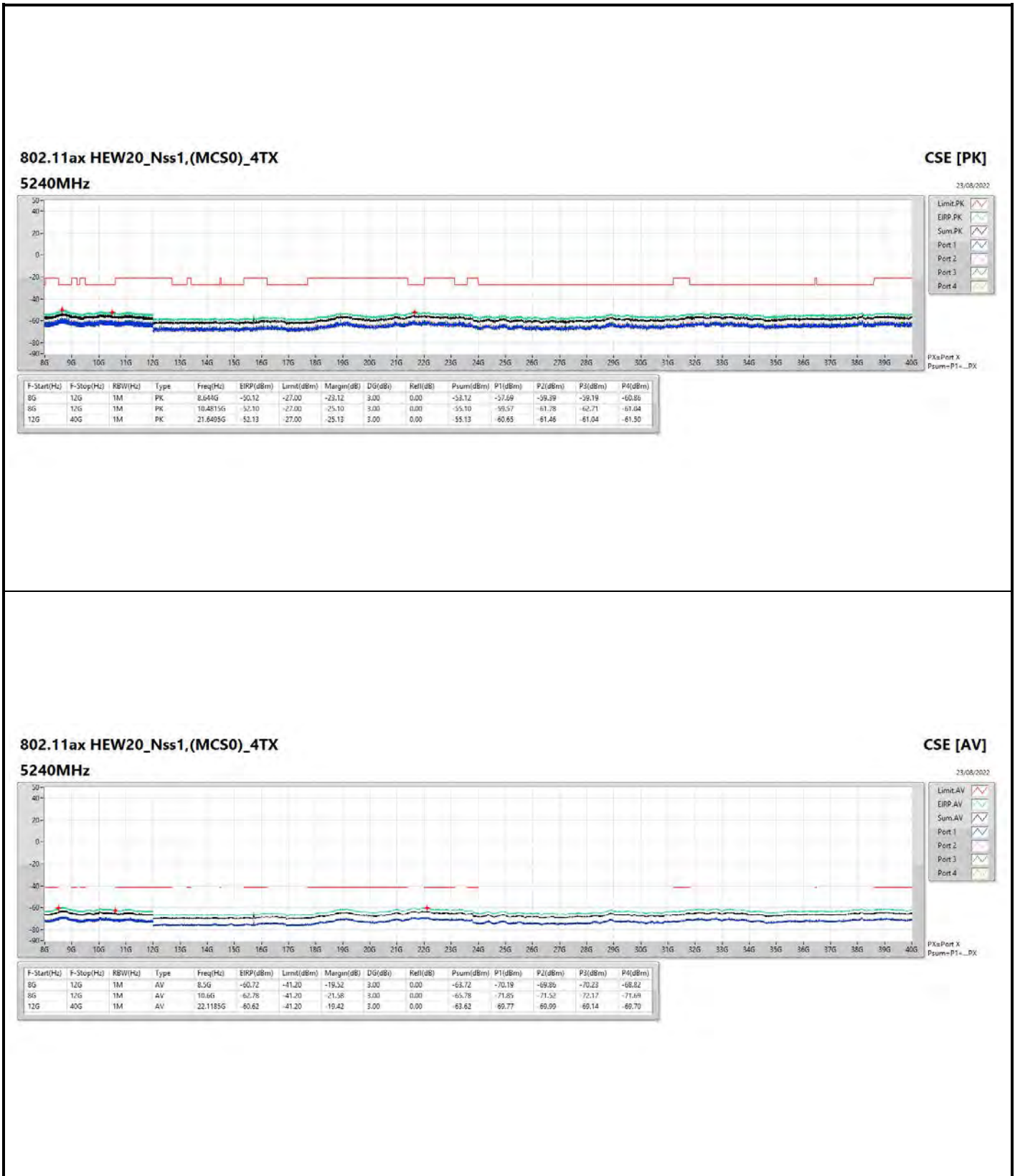
CSE [AV]

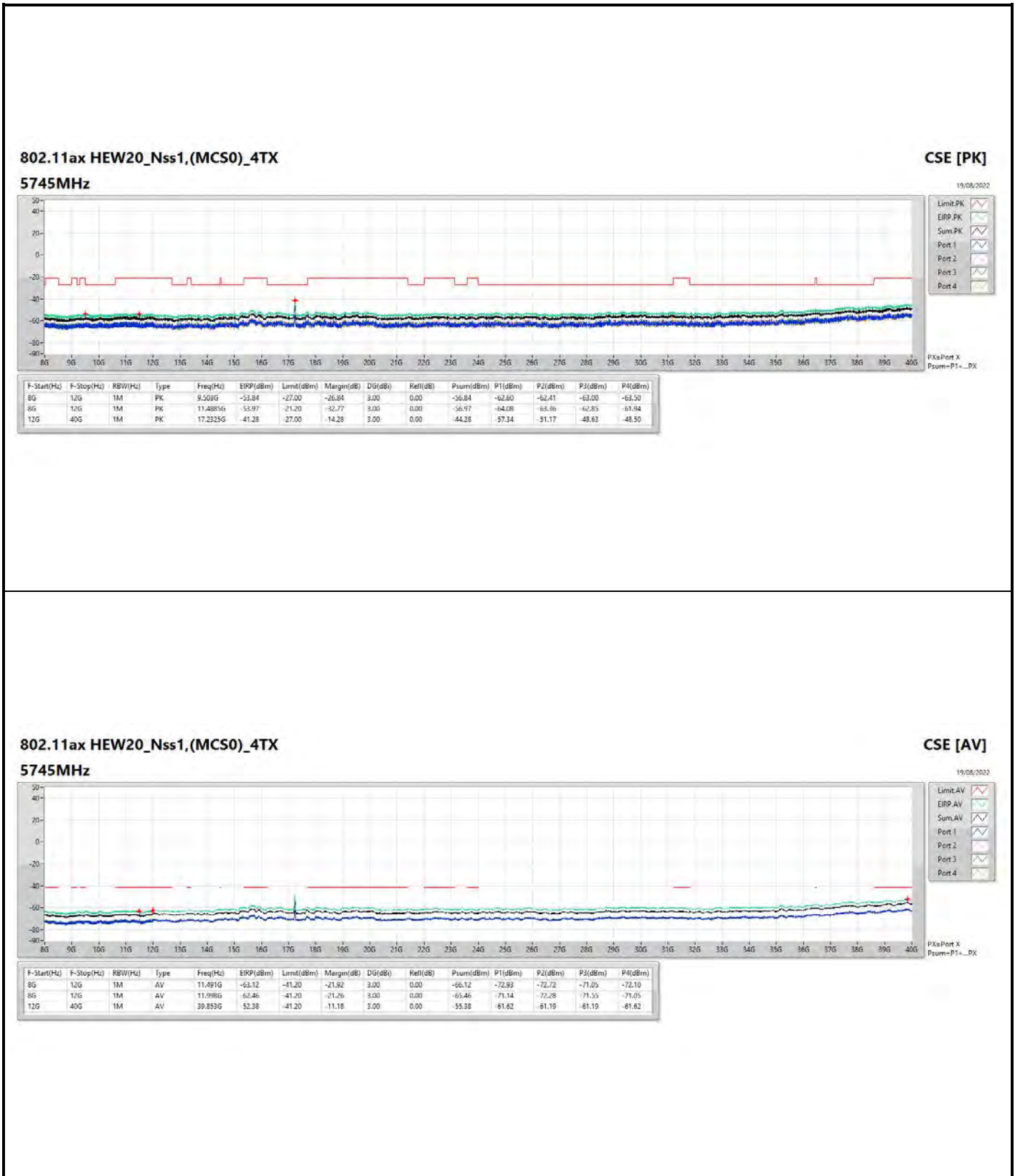
5200MHz

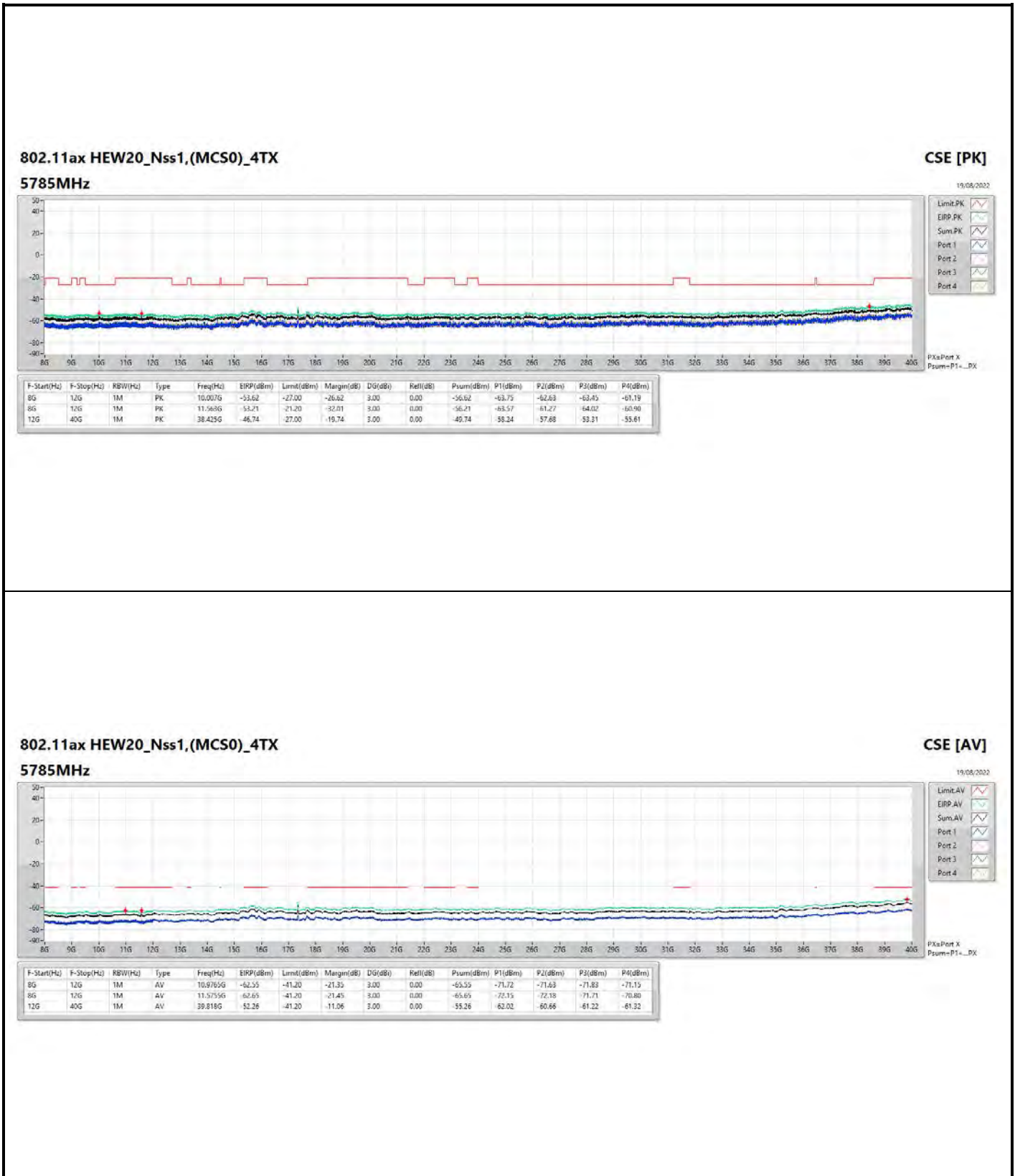
23/08/2022

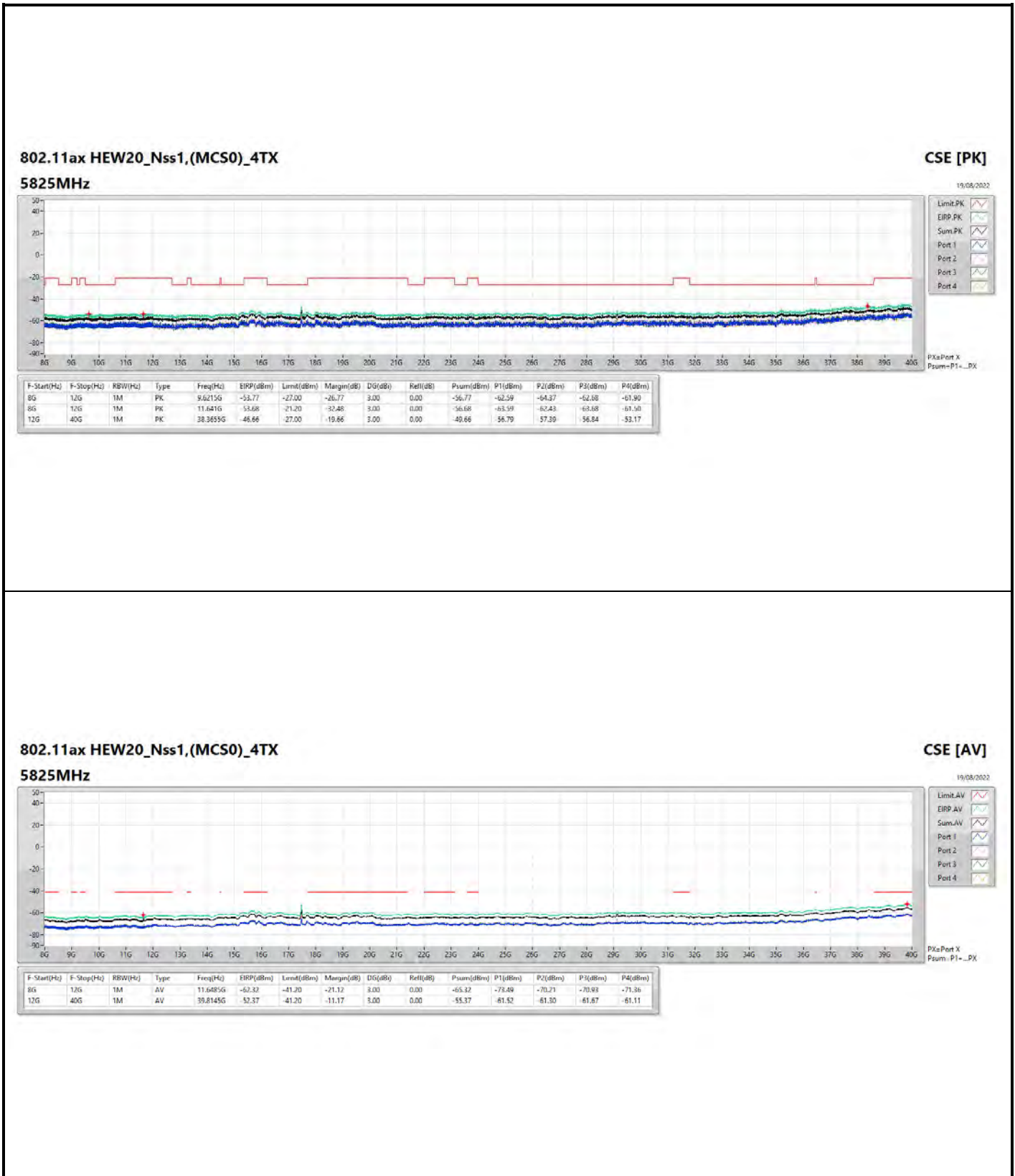


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	12G	1M	AV	8.499G	-60.95	-41.20	-19.75	3.00	0.00	-68.95	-69.07	-70.79	-70.04	-70.15
8G	12G	1M	AV	10.66G	-62.80	-41.20	-21.60	3.00	0.00	-65.80	-72.37	-71.55	-71.79	-71.61
12G	40G	1M	AV	22.1605G	-60.65	-41.20	-19.45	3.00	0.00	-63.65	-69.01	-69.96	-69.57	-69.27

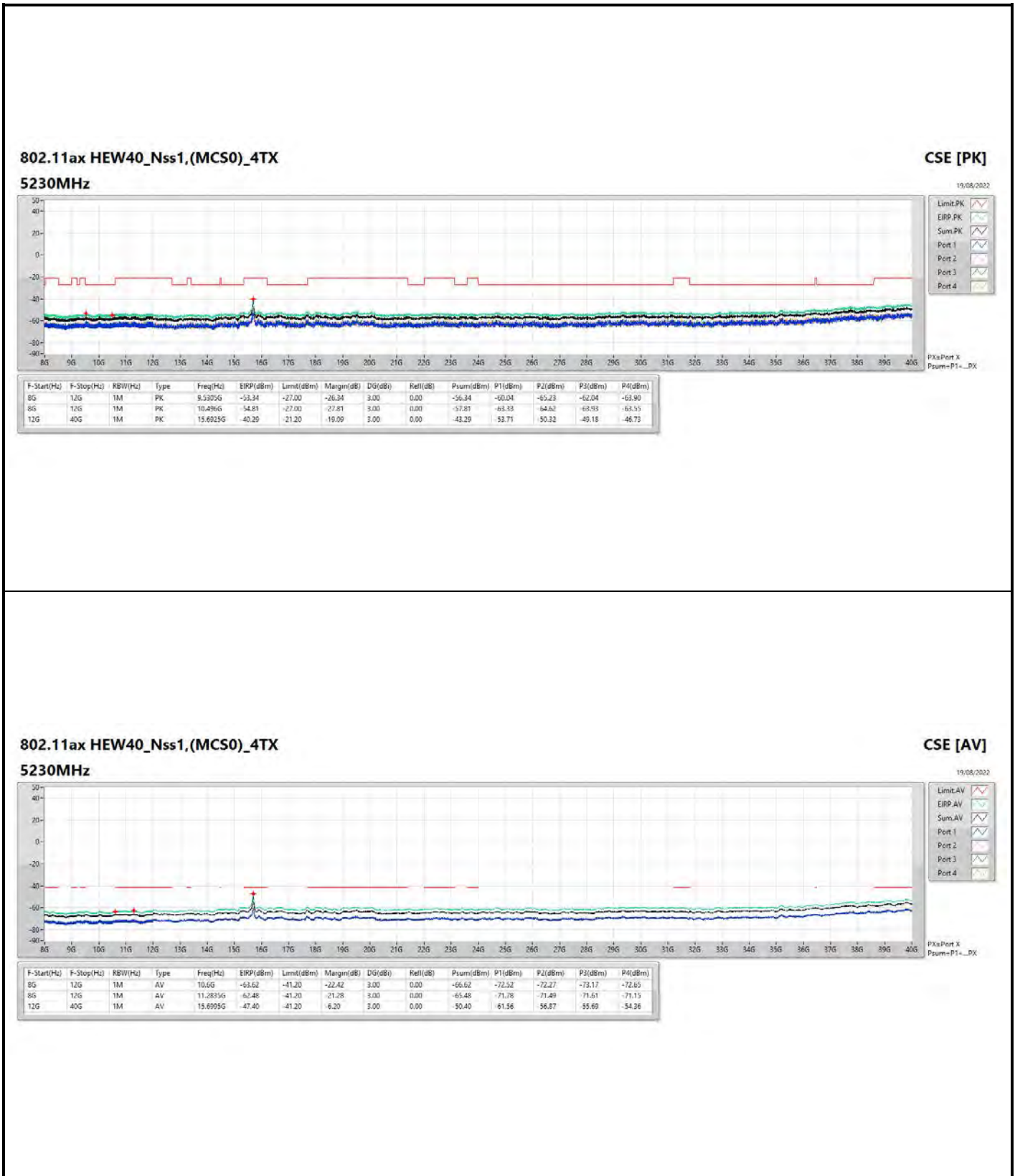










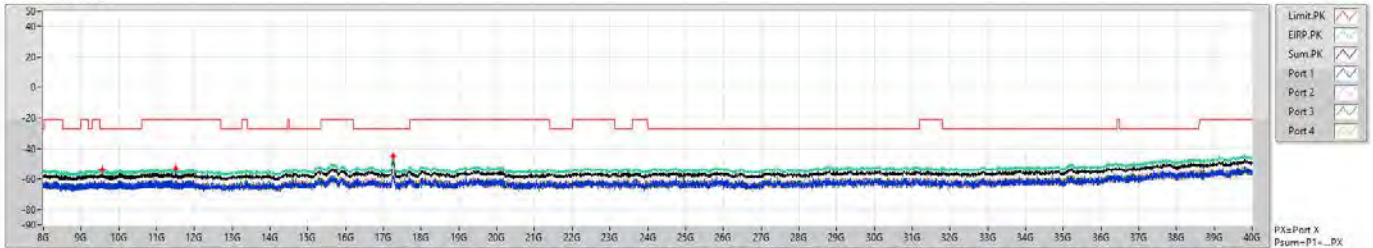


802.11ax HEW40_Nss1,(MCS0)_4TX

CSE [PK]

5755MHz

19/08/2022



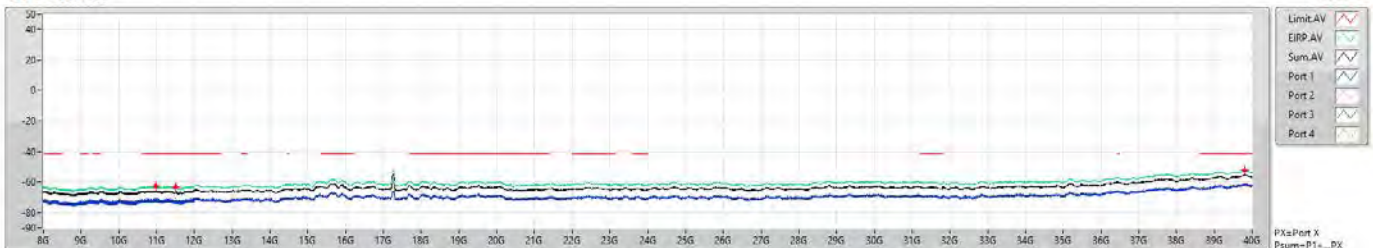
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	12G	1M	PK	9.569G	-53.58	-27.00	-26.68	3.00	0.00	-56.68	-62.55	-62.09	-62.68	-62.62
8G	12G	1M	PK	11.50915G	-54.23	-21.20	-32.03	3.00	0.00	-56.23	-64.71	-60.96	-61.13	-63.66
12G	40G	1M	PK	17.284G	-45.40	-27.00	-18.40	3.00	0.00	-48.40	-59.40	-52.40	-53.97	-54.52

802.11ax HEW40_Nss1,(MCS0)_4TX

CSE [AV]

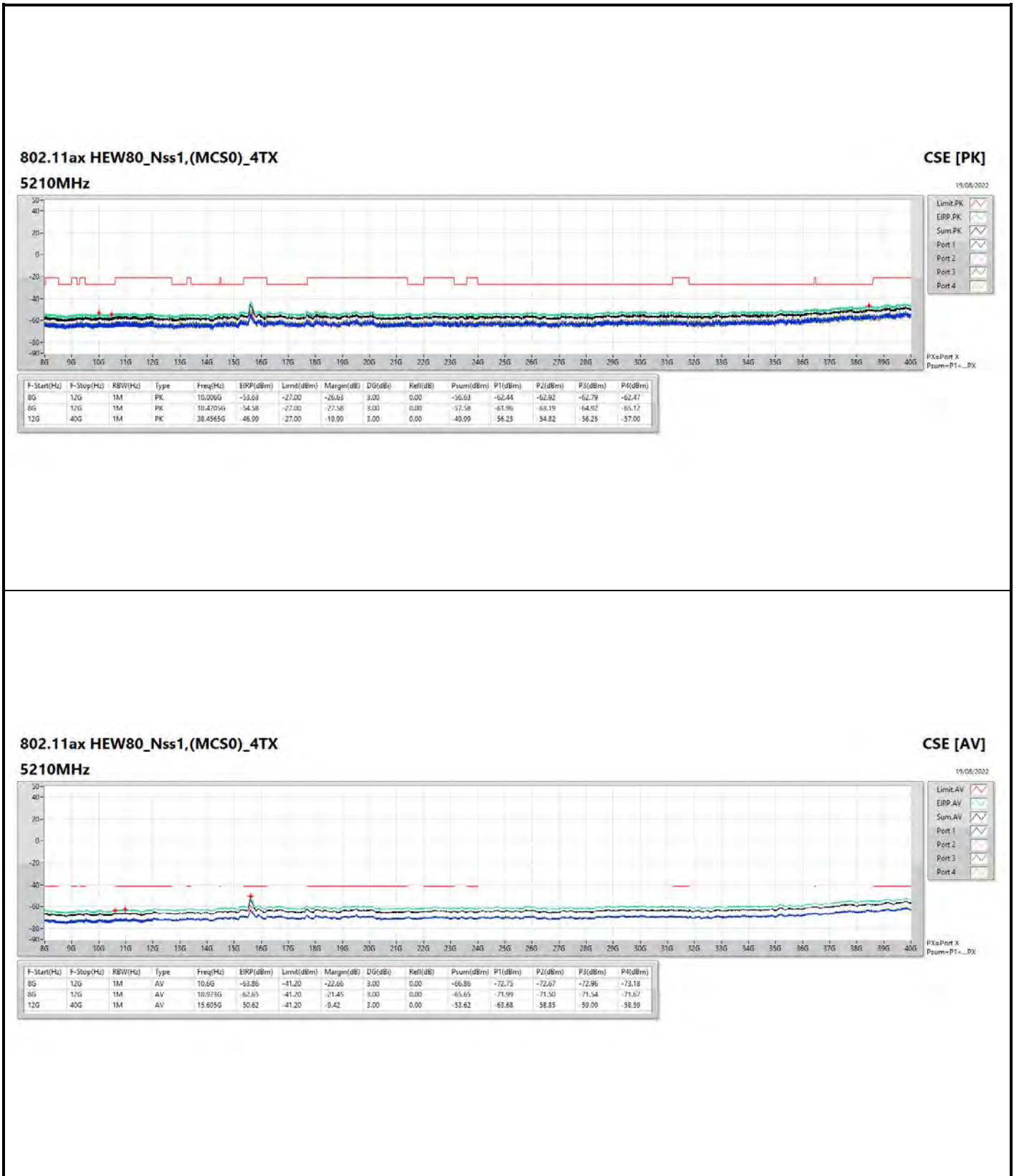
5755MHz

19/08/2022



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)	P2(dBm)	P3(dBm)	P4(dBm)
8G	12G	1M	AV	10.9725G	-62.42	-41.20	-21.22	3.00	0.00	-65.42	-71.38	-72.26	-71.02	-71.11
8G	12G	1M	AV	11.50215G	-63.09	-41.20	-21.89	3.00	0.00	-66.09	-72.67	-71.92	-71.61	-72.32
12G	40G	1M	AV	38.797G	-52.20	-41.20	-11.09	3.00	0.00	-55.29	-61.05	-61.28	-61.65	-61.28





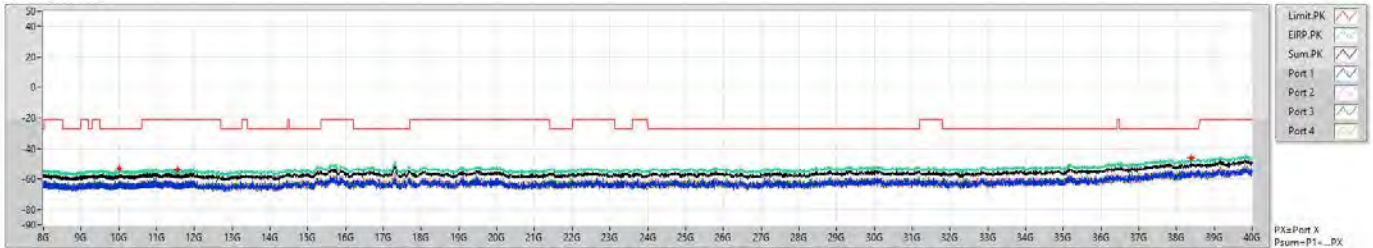


802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz

CSE [PK]

19/08/2022



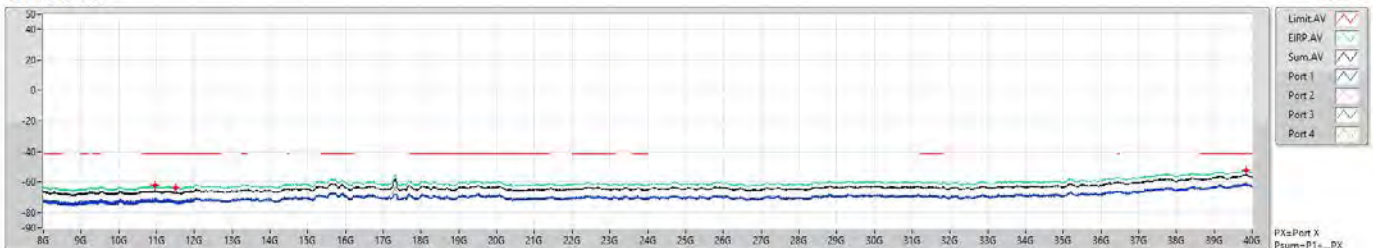
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8G	12G	1M	PK	10.011G	-52.54	-27.00	-26.54	3.00	0.00	-56.54	-63.32	-68.14	-61.76	-62.06
8G	12G	1M	PK	11.5446G	-54.05	-21.20	-32.85	3.00	0.00	-57.05	-64.43	-68.57	-60.95	-64.39
12G	40G	1M	PK	38.339G	-46.43	-27.00	-19.43	3.00	0.00	-49.43	-55.45	-56.83	-55.53	-54.35

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz

CSE [AV]

19/08/2022



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)	P2(dBm)	P3(dBm)	P4(dBm)
8G	12G	1M	AV	10.9656G	-62.37	-41.20	-21.17	3.00	0.00	-65.37	-70.39	-72.25	-71.72	-71.21
8G	12G	1M	AV	11.5086G	-65.63	-41.20	-22.41	3.00	0.00	-66.61	-73.24	-72.32	-72.47	-72.55
12G	40G	1M	AV	38.8355G	-52.23	-41.20	-11.03	3.00	0.00	-55.23	-61.69	-61.37	-60.60	-61.44



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	4.9G	5.31G	AV	5.14974G	3.00	-47.31				-47.31	-44.31	-41.20	-3.11
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	4.9G	5.31G	AV	5.14785G	3.00	-46.02				-46.02	-43.02	-41.20	-1.82
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	4.9G	5.31G	AV	5.14954G	3.00	-44.69				-44.69	-41.69	-41.20	-0.49
802.11ax HEW80_Nss1,(MCS0)_1TX	Pass	4.9G	5.31G	AV	5.14887G	3.00	-45.95				-45.95	-42.95	-41.20	-1.75
802.11a_Nss1,(6Mbps)_2TX	Pass	4.9G	5.31G	AV	5.14887G	3.00	-54.79	-49.41			-48.30	-45.30	-41.20	-4.10
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	4.9G	5.31G	AV	5.14974G	3.00	-54.34	-49.28			-48.10	-45.10	-41.20	-3.90
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	4.9G	5.31G	AV	5.14979G	3.00	-52.78	-49.64			-47.92	-44.92	-41.20	-3.72
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	4.9G	5.31G	AV	5.14887G	3.00	-54.49	-48.74			-47.72	-44.72	-41.20	-3.52
802.11a_Nss1,(6Mbps)_4TX	Pass	4.9G	5.31G	AV	5.14892G	3.00	-58.97	-58.42	-57.13	-55.70	-51.35	-48.35	-41.20	-7.15
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	4.9G	5.31G	AV	5.14949G	3.00	-59.60	-57.63	-56.87	-54.86	-50.89	-47.89	-41.20	-6.69
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	4.9G	5.31G	AV	5.14887G	3.00	-60.02	-57.12	-55.18	-55.13	-50.44	-47.44	-41.20	-6.24
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	4.9G	5.31G	AV	5.14995G	3.00	-58.70	-56.42	-55.34	-55.32	-50.23	-47.23	-41.20	-6.03
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	5.31G	5.47G	AV	5.43832G	3.00	-59.45				-59.45	-56.45	-41.20	-15.25
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	5.31G	5.47G	AV	5.41944G	3.00	-59.38				-59.38	-56.38	-41.20	-15.18
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	5.31G	5.47G	AV	5.43896G	3.00	-59.24				-59.24	-56.24	-41.20	-15.04
802.11ax HEW80_Nss1,(MCS0)_1TX	Pass	5.47G	5.85G	PK	5.64594G	3.00	-41.92				-41.92	-38.92	-27.00	-11.92
802.11a_Nss1,(6Mbps)_2TX	Pass	5.31G	5.47G	AV	5.45848G	3.00	-60.51	-58.85			-56.59	-53.59	-41.20	-12.39
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	5.31G	5.47G	AV	5.45976G	3.00	-59.72	-59.60			-56.65	-53.65	-41.20	-12.45
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	5.31G	5.47G	AV	5.44728G	3.00	-59.49	-60.08			-56.76	-53.76	-41.20	-12.56
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	5.47G	5.85G	PK	5.64746G	3.00	-42.92	-35.58			-34.84	-31.84	-27.00	-4.84
802.11a_Nss1,(6Mbps)_4TX	Pass	5.31G	5.47G	AV	5.42968G	3.00	-60.75	-60.46	-59.50	-58.49	-53.69	-50.69	-41.20	-9.49
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	5.31G	5.47G	AV	5.44632G	3.00	-60.48	-60.41	-59.56	-59.47	-53.93	-50.93	-41.20	-9.73
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	5.31G	5.47G	AV	5.44344G	3.00	-59.83	-60.01	-60.42	-59.79	-53.98	-50.98	-41.20	-9.78
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	5.47G	5.85G	PK	5.64898G	3.00	-45.59	-41.51	-42.48	-40.79	-36.23	-33.23	-27.00	-6.23

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



Result

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)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.9G	5.31G	AV	5.14974G	3.00	-47.31				-47.31	-44.31	-41.20	-3.11
5180MHz	Pass	5.31G	5.47G	AV	5.38552G	3.00	-59.61				-59.61	-56.61	-41.20	-15.41
5180MHz	Pass	4.9G	5.31G	PK	5.15G	3.00	-32.96				-32.96	-29.96	-21.20	-8.76
5180MHz	Pass	5.31G	5.47G	PK	5.46552G	3.00	-49.74				-49.74	-46.74	-27.00	-19.74
5180MHz	Pass	5.47G	5.85G	PK	5.79338G	3.00	-47.54				-47.54	-44.54	-27.00	-17.54
5180MHz	Pass	5.85G	6.01G	PK	5.90088G	3.00	-47.88				-47.88	-44.88	-27.00	-17.88
5180MHz	Pass	6.01G	6.5G	PK	6.48597G	3.00	-48.10				-48.10	-45.10	-27.00	-18.10
5200MHz	Pass	4.9G	5.31G	AV	5.14943G	3.00	-59.55				-59.55	-56.55	-41.20	-15.35
5200MHz	Pass	5.31G	5.47G	AV	5.38136G	3.00	-59.66				-59.66	-56.66	-41.20	-15.46
5200MHz	Pass	4.9G	5.31G	PK	5.14913G	3.00	-48.63				-48.63	-45.63	-21.20	-24.43
5200MHz	Pass	5.31G	5.47G	PK	5.46424G	3.00	-49.68				-49.68	-46.68	-27.00	-19.68
5200MHz	Pass	5.47G	5.85G	PK	5.76906G	3.00	-47.96				-47.96	-44.96	-27.00	-17.96
5200MHz	Pass	5.85G	6.01G	PK	5.85576G	3.00	-47.61				-47.61	-44.61	-27.00	-17.61
5200MHz	Pass	6.01G	6.5G	PK	6.46098G	3.00	-47.61				-47.61	-44.61	-27.00	-17.61
5240MHz	Pass	4.9G	5.31G	AV	5.10249G	3.00	-59.99				-59.99	-56.99	-41.20	-15.79
5240MHz	Pass	5.31G	5.47G	AV	5.40344G	3.00	-59.37				-59.37	-56.37	-41.20	-15.17
5240MHz	Pass	4.9G	5.31G	PK	5.14349G	3.00	-49.11				-49.11	-46.11	-21.20	-24.91
5240MHz	Pass	5.31G	5.47G	PK	5.46776G	3.00	-49.46				-49.46	-46.46	-27.00	-19.46
5240MHz	Pass	5.47G	5.85G	PK	5.83214G	3.00	-47.64				-47.64	-44.64	-27.00	-17.64
5240MHz	Pass	5.85G	6.01G	PK	5.85896G	3.00	-47.69				-47.69	-44.69	-27.00	-17.69
5240MHz	Pass	6.01G	6.5G	PK	6.0187G	3.00	-48.32				-48.32	-45.32	-27.00	-18.32
5745MHz	Pass	4.9G	5.31G	AV	5.06974G	3.00	-60.53				-60.53	-57.53	-41.20	-16.33
5745MHz	Pass	5.31G	5.47G	AV	5.43832G	3.00	-59.45				-59.45	-56.45	-41.20	-15.25
5745MHz	Pass	4.9G	5.31G	PK	5.21319G	3.00	-50.54				-50.54	-47.54	-27.00	-20.54
5745MHz	Pass	5.31G	5.47G	PK	5.4652G	3.00	-49.07				-49.07	-46.07	-27.00	-19.07
5745MHz	Pass	5.47G	5.85G	PK	5.61934G	3.00	-48.89				-48.89	-45.89	-27.00	-18.89
5745MHz	Pass	5.85G	6.01G	PK	5.99048G	3.00	-48.52				-48.52	-45.52	-27.00	-18.52
5745MHz	Pass	6.01G	6.5G	PK	6.01662G	3.00	-47.56				-47.56	-44.56	-27.00	-17.56
5785MHz	Pass	4.9G	5.31G	AV	5.13057G	3.00	-59.96				-59.96	-56.96	-41.20	-15.76
5785MHz	Pass	5.31G	5.47G	AV	5.45304G	3.00	-59.77				-59.77	-56.77	-41.20	-15.57
5785MHz	Pass	4.9G	5.31G	PK	5.15133G	3.00	-50.19				-50.19	-47.19	-27.00	-20.19
5785MHz	Pass	5.31G	5.47G	PK	5.46424G	3.00	-48.83				-48.83	-45.83	-27.00	-18.83
5785MHz	Pass	5.47G	5.85G	PK	5.4776G	3.00	-48.82				-48.82	-45.82	-27.00	-18.82
5785MHz	Pass	5.85G	6.01G	PK	5.94088G	3.00	-47.71				-47.71	-44.71	-27.00	-17.71
5785MHz	Pass	6.01G	6.5G	PK	6.21611G	3.00	-48.44				-48.44	-45.44	-27.00	-18.44
5825MHz	Pass	4.9G	5.31G	AV	5.07897G	3.00	-60.37				-60.37	-57.37	-41.20	-16.17
5825MHz	Pass	5.31G	5.47G	AV	5.4556G	3.00	-59.60				-59.60	-56.60	-41.20	-15.40
5825MHz	Pass	4.9G	5.31G	PK	5.1912G	3.00	-50.12				-50.12	-47.12	-27.00	-20.12
5825MHz	Pass	5.31G	5.47G	PK	5.46168G	3.00	-48.95				-48.95	-45.95	-27.00	-18.95
5825MHz	Pass	5.47G	5.85G	PK	5.48064G	3.00	-48.36				-48.36	-45.36	-27.00	-18.36
5825MHz	Pass	5.85G	6.01G	PK	5.95048G	3.00	-47.64				-47.64	-44.64	-27.00	-17.64
5825MHz	Pass	6.01G	6.5G	PK	6.10641G	3.00	-48.30				-48.30	-45.30	-27.00	-18.30
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.9G	5.31G	AV	5.14785G	3.00	-46.02				-46.02	-43.02	-41.20	-1.82
5180MHz	Pass	5.31G	5.47G	AV	5.39576G	3.00	-60.03				-60.03	-57.03	-41.20	-15.83
5180MHz	Pass	4.9G	5.31G	PK	5.14887G	3.00	-34.52				-34.52	-31.52	-21.20	-10.32
5180MHz	Pass	5.31G	5.47G	PK	5.46648G	3.00	-49.07				-49.07	-46.07	-27.00	-19.07
5180MHz	Pass	5.47G	5.85G	PK	5.79338G	3.00	-48.03				-48.03	-45.03	-27.00	-18.03
5180MHz	Pass	5.85G	6.01G	PK	5.86856G	3.00	-47.85				-47.85	-44.85	-27.00	-17.85
5180MHz	Pass	6.01G	6.5G	PK	6.07787G	3.00	-47.89				-47.89	-44.89	-27.00	-17.89
5200MHz	Pass	4.9G	5.31G	AV	5.15G	3.00	-57.67				-57.67	-54.67	-41.20	-13.47
5200MHz	Pass	5.31G	5.47G	AV	5.44376G	3.00	-59.63				-59.63	-56.63	-41.20	-15.43
5200MHz	Pass	4.9G	5.31G	PK	5.14887G	3.00	-45.50				-45.50	-42.50	-21.20	-21.30
5200MHz	Pass	5.31G	5.47G	PK	5.46488G	3.00	-48.97				-48.97	-45.97	-27.00	-18.97
5200MHz	Pass	5.47G	5.85G	PK	5.84012G	3.00	-47.66				-47.66	-44.66	-27.00	-17.66
5200MHz	Pass	5.85G	6.01G	PK	5.8676G	3.00	-47.79				-47.79	-44.79	-27.00	-17.79
5200MHz	Pass	6.01G	6.5G	PK	6.46619G	3.00	-48.38				-48.38	-45.38	-27.00	-18.38
5240MHz	Pass	4.9G	5.31G	AV	5.09788G	3.00	-60.38				-60.38	-57.38	-41.20	-16.18
5240MHz	Pass	5.31G	5.47G	AV	5.43192G	3.00	-59.75				-59.75	-56.75	-41.20	-15.55
5240MHz	Pass	4.9G	5.31G	PK	4.96365G	3.00	-49.21				-49.21	-46.21	-21.20	-25.01
5240MHz	Pass	5.31G	5.47G	PK	5.4652G	3.00	-50.11				-50.11	-47.11	-27.00	-20.11
5240MHz	Pass	5.47G	5.85G	PK	5.8063G	3.00	-48.10				-48.10	-45.10	-27.00	-18.10
5240MHz	Pass	5.85G	6.01G	PK	5.8788G	3.00	-47.96				-47.96	-44.96	-27.00	-17.96
5240MHz	Pass	6.01G	6.5G	PK	6.10047G	3.00	-48.29				-48.29	-45.29	-27.00	-18.29
5745MHz	Pass	4.9G	5.31G	AV	5.07702G	3.00	-60.58				-60.58	-57.58	-41.20	-16.38
5745MHz	Pass	5.31G	5.47G	AV	5.44728G	3.00	-59.50				-59.50	-56.50	-41.20	-15.30
5745MHz	Pass	4.9G	5.31G	PK	5.16056G	3.00	-49.42				-49.42	-46.42	-27.00	-19.42
5745MHz	Pass	5.31G	5.47G	PK	5.462G	3.00	-48.93				-48.93	-45.93	-27.00	-18.93



CSE_Pine R2_Antenna set 3 (Bandedge)_P to M

Appendix E.13

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	5.47G	5.85G	PK	5.61516G	3.00	-48.89				-48.89	-45.89	-27.00	-18.89
5745MHz	Pass	5.85G	6.01G	PK	5.94984G	3.00	-47.92				-47.92	-44.92	-27.00	-17.92
5745MHz	Pass	6.01G	6.5G	PK	6.49829G	3.00	-48.31				-48.31	-45.31	-27.00	-18.31
5785MHz	Pass	4.9G	5.31G	AV	5.11643G	3.00	-60.33				-60.33	-57.33	-41.20	-16.13
5785MHz	Pass	5.31G	5.47G	AV	5.41944G	3.00	-59.38				-59.38	-56.38	-41.20	-15.18
5785MHz	Pass	4.9G	5.31G	PK	5.16696G	3.00	-49.73				-49.73	-46.73	-27.00	-19.73
5785MHz	Pass	5.31G	5.47G	PK	5.31352G	3.00	-49.49				-49.49	-46.49	-27.00	-19.49
5785MHz	Pass	5.47G	5.85G	PK	5.47152G	3.00	-48.61				-48.61	-45.61	-27.00	-18.61
5785MHz	Pass	5.85G	6.01G	PK	5.92584G	3.00	-47.69				-47.69	-44.69	-27.00	-17.69
5785MHz	Pass	6.01G	6.5G	PK	6.31594G	3.00	-47.95				-47.95	-44.95	-27.00	-17.95
5825MHz	Pass	4.9G	5.31G	AV	5.14795G	3.00	-60.10				-60.10	-57.10	-41.20	-15.90
5825MHz	Pass	5.31G	5.47G	AV	5.4524G	3.00	-59.73				-59.73	-56.73	-41.20	-15.53
5825MHz	Pass	4.9G	5.31G	PK	5.22954G	3.00	-49.53				-49.53	-46.53	-27.00	-19.53
5825MHz	Pass	5.31G	5.47G	PK	5.46328G	3.00	-48.82				-48.82	-45.82	-27.00	-18.82
5825MHz	Pass	5.47G	5.85G	PK	5.47684G	3.00	-48.29				-48.29	-45.29	-27.00	-18.29
5825MHz	Pass	5.85G	6.01G	PK	5.94664G	3.00	-48.16				-48.16	-45.16	-27.00	-18.16
5825MHz	Pass	6.01G	6.5G	PK	6.3835G	3.00	-48.23				-48.23	-45.23	-27.00	-18.23
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.9G	5.31G	AV	5.14954G	3.00	-44.69				-44.69	-41.69	-41.20	-0.49
5190MHz	Pass	5.31G	5.47G	AV	5.4412G	3.00	-59.50				-59.50	-56.50	-41.20	-15.30
5190MHz	Pass	4.9G	5.31G	PK	5.14723G	3.00	-31.45				-31.45	-28.45	-21.20	-7.25
5190MHz	Pass	5.31G	5.47G	PK	5.46776G	3.00	-49.34				-49.34	-46.34	-27.00	-19.34
5190MHz	Pass	5.47G	5.85G	PK	5.74854G	3.00	-47.51				-47.51	-44.51	-27.00	-17.51
5190MHz	Pass	5.85G	6.01G	PK	5.93512G	3.00	-47.32				-47.32	-44.32	-27.00	-17.32
5190MHz	Pass	6.01G	6.5G	PK	6.49008G	3.00	-48.44				-48.44	-45.44	-27.00	-18.44
5230MHz	Pass	4.9G	5.31G	AV	5.15G	3.00	-54.51				-54.51	-51.51	-41.20	-10.31
5230MHz	Pass	5.31G	5.47G	AV	5.41112G	3.00	-58.92				-58.92	-55.92	-41.20	-14.72
5230MHz	Pass	4.9G	5.31G	PK	5.14123G	3.00	-42.82				-42.82	-39.82	-21.20	-18.62
5230MHz	Pass	5.31G	5.47G	PK	5.46872G	3.00	-49.80				-49.80	-46.80	-27.00	-19.80
5230MHz	Pass	5.47G	5.85G	PK	5.7721G	3.00	-47.58				-47.58	-44.58	-27.00	-17.58
5230MHz	Pass	5.85G	6.01G	PK	5.85672G	3.00	-48.03				-48.03	-45.03	-27.00	-18.03
5230MHz	Pass	6.01G	6.5G	PK	6.09306G	3.00	-48.07				-48.07	-45.07	-27.00	-18.07
5755MHz	Pass	4.9G	5.31G	AV	4.92809G	3.00	-60.74				-60.74	-57.74	-41.20	-16.54
5755MHz	Pass	5.31G	5.47G	AV	5.43896G	3.00	-59.24				-59.24	-56.24	-41.20	-15.04
5755MHz	Pass	4.9G	5.31G	PK	5.29632G	3.00	-50.15				-50.15	-47.15	-27.00	-20.15
5755MHz	Pass	5.31G	5.47G	PK	5.46008G	3.00	-49.87				-49.87	-46.87	-27.00	-19.87
5755MHz	Pass	5.47G	5.85G	PK	5.64784G	3.00	-48.63				-48.63	-45.63	-27.00	-18.63
5755MHz	Pass	5.85G	6.01G	PK	5.9332G	3.00	-48.12				-48.12	-45.12	-27.00	-18.12
5755MHz	Pass	6.01G	6.5G	PK	6.39563G	3.00	-48.03				-48.03	-45.03	-27.00	-18.03
5795MHz	Pass	4.9G	5.31G	AV	5.09403G	3.00	-60.70				-60.70	-57.70	-41.20	-16.50
5795MHz	Pass	5.31G	5.47G	AV	5.454G	3.00	-59.77				-59.77	-56.77	-41.20	-15.57
5795MHz	Pass	4.9G	5.31G	PK	5.23133G	3.00	-50.04				-50.04	-47.04	-27.00	-20.04
5795MHz	Pass	5.31G	5.47G	PK	5.46776G	3.00	-49.61				-49.61	-46.61	-27.00	-19.61
5795MHz	Pass	5.47G	5.85G	PK	5.49204G	3.00	-48.45				-48.45	-45.45	-27.00	-18.45
5795MHz	Pass	5.85G	6.01G	PK	5.9812G	3.00	-47.23				-47.23	-44.23	-27.00	-17.23
5795MHz	Pass	6.01G	6.5G	PK	6.37144G	3.00	-48.60				-48.60	-45.60	-27.00	-18.60
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.9G	5.31G	AV	5.14887G	3.00	-45.95				-45.95	-42.95	-41.20	-1.75
5210MHz	Pass	5.31G	5.47G	AV	5.35224G	3.00	-57.87				-57.87	-54.87	-41.20	-13.67
5210MHz	Pass	4.9G	5.31G	PK	5.14738G	3.00	-33.24				-33.24	-30.24	-21.20	-9.04
5210MHz	Pass	5.31G	5.47G	PK	5.46776G	3.00	-49.26				-49.26	-46.26	-27.00	-19.26
5210MHz	Pass	5.47G	5.85G	PK	5.8101G	3.00	-47.73				-47.73	-44.73	-27.00	-17.73
5210MHz	Pass	5.85G	6.01G	PK	5.97064G	3.00	-47.42				-47.42	-44.42	-27.00	-17.42
5210MHz	Pass	6.01G	6.5G	PK	6.11364G	3.00	-48.27				-48.27	-45.27	-27.00	-18.27
5775MHz	Pass	4.9G	5.31G	AV	5.11551G	3.00	-60.70				-60.70	-57.70	-41.20	-16.50
5775MHz	Pass	5.31G	5.47G	AV	5.4492G	3.00	-59.29				-59.29	-56.29	-41.20	-15.09
5775MHz	Pass	4.9G	5.31G	PK	5.20832G	3.00	-50.46				-50.46	-47.46	-27.00	-20.46
5775MHz	Pass	5.31G	5.47G	PK	5.46968G	3.00	-49.10				-49.10	-46.10	-27.00	-19.10
5775MHz	Pass	5.47G	5.85G	PK	5.64594G	3.00	-41.92				-41.92	-38.92	-27.00	-11.92
5775MHz	Pass	5.85G	6.01G	PK	5.92808G	3.00	-44.89				-44.89	-41.89	-27.00	-14.89
5775MHz	Pass	6.01G	6.5G	PK	6.43691G	3.00	-48.56				-48.56	-45.56	-27.00	-18.56
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.9G	5.31G	AV	5.14887G	3.00	-54.79	-49.41			-48.30	-45.30	-41.20	-4.10
5180MHz	Pass	5.31G	5.47G	AV	5.35512G	3.00	-59.89	-60.07			-56.97	-53.97	-41.20	-12.77
5180MHz	Pass	4.9G	5.31G	PK	5.14979G	3.00	-41.81	-34.36			-33.64	-30.64	-21.20	-9.44
5180MHz	Pass	5.31G	5.47G	PK	5.46168G	3.00	-49.42	-49.61			-46.50	-43.50	-27.00	-16.50
5180MHz	Pass	5.47G	5.85G	PK	5.7588G	3.00	-47.90	-47.95			-44.91	-41.91	-27.00	-14.91
5180MHz	Pass	5.85G	6.01G	PK	5.91208G	3.00	-49.50	-47.26			-45.23	-42.23	-27.00	-15.23
5180MHz	Pass	6.01G	6.5G	PK	6.40243G	3.00	-50.77	-47.91			-46.10	-43.10	-27.00	-16.10
5200MHz	Pass	4.9G	5.31G	AV	5.14984G	3.00	-59.44	-58.47			-55.92	-52.92	-41.20	-11.72



CSE_Pine R2_Antenna set 3 (Bandedge)_P to M

Appendix E.13

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	5.31G	5.47G	AV	5.45752G	3.00	-59.75	-60.23			-56.97	-53.97	-41.20	-12.77
5200MHz	Pass	4.9G	5.31G	PK	5.14984G	3.00	-48.16	-44.65			-43.05	-40.05	-21.20	-18.85
5200MHz	Pass	5.31G	5.47G	PK	5.46936G	3.00	-50.42	-48.72			-46.48	-43.48	-27.00	-16.48
5200MHz	Pass	5.47G	5.85G	PK	5.84468G	3.00	-46.75	-49.73			-44.98	-41.98	-27.00	-14.98
5200MHz	Pass	5.85G	6.01G	PK	5.91016G	3.00	-48.19	-48.91			-45.52	-42.52	-27.00	-15.52
5200MHz	Pass	6.01G	6.5G	PK	6.1548G	3.00	-47.89	-50.56			-46.01	-43.01	-27.00	-16.01
5240MHz	Pass	4.9G	5.31G	AV	5.10264G	3.00	-61.77	-59.89			-57.72	-54.72	-41.20	-13.52
5240MHz	Pass	5.31G	5.47G	AV	5.45016G	3.00	-59.73	-59.65			-56.68	-53.68	-41.20	-12.48
5240MHz	Pass	4.9G	5.31G	PK	5.11028G	3.00	-52.09	-50.13			-47.99	-44.99	-21.20	-23.79
5240MHz	Pass	5.31G	5.47G	PK	5.4684G	3.00	-49.04	-51.56			-47.11	-44.11	-27.00	-17.11
5240MHz	Pass	5.47G	5.85G	PK	5.79034G	3.00	-48.58	-47.85			-45.19	-42.19	-27.00	-15.19
5240MHz	Pass	5.85G	6.01G	PK	5.86024G	3.00	-48.18	-49.04			-45.58	-42.58	-27.00	-15.58
5240MHz	Pass	6.01G	6.5G	PK	6.08552G	3.00	-50.10	-48.84			-46.41	-43.41	-27.00	-16.41
5745MHz	Pass	4.9G	5.31G	AV	5.11904G	3.00	-61.33	-61.07			-58.19	-55.19	-41.20	-13.99
5745MHz	Pass	5.31G	5.47G	AV	5.44952G	3.00	-60.26	-59.15			-56.66	-53.66	-41.20	-12.46
5745MHz	Pass	4.9G	5.31G	PK	5.18475G	3.00	-51.97	-50.57			-48.20	-45.20	-27.00	-18.20
5745MHz	Pass	5.31G	5.47G	PK	5.33272G	3.00	-49.71	-50.34			-47.00	-44.00	-27.00	-17.00
5745MHz	Pass	5.47G	5.85G	PK	5.49120G	3.00	-48.16	-51.30			-46.44	-43.44	-27.00	-16.44
5745MHz	Pass	5.85G	6.01G	PK	5.97224G	3.00	-50.68	-46.98			-45.44	-42.44	-27.00	-15.44
5745MHz	Pass	6.01G	6.5G	PK	6.12907G	3.00	-48.22	-51.21			-46.45	-43.45	-27.00	-16.45
5785MHz	Pass	4.9G	5.31G	AV	5.11264G	3.00	-61.93	-60.62			-58.22	-55.22	-41.20	-14.02
5785MHz	Pass	5.31G	5.47G	AV	5.45528G	3.00	-59.56	-59.83			-56.68	-53.68	-41.20	-12.48
5785MHz	Pass	4.9G	5.31G	PK	5.21975G	3.00	-50.35	-52.05			-48.11	-45.11	-27.00	-18.11
5785MHz	Pass	5.31G	5.47G	PK	5.46488G	3.00	-50.17	-48.99			-46.53	-43.53	-27.00	-16.53
5785MHz	Pass	5.47G	5.85G	PK	5.64594G	3.00	-49.84	-48.78			-46.27	-43.27	-27.00	-16.27
5785MHz	Pass	5.85G	6.01G	PK	5.92488G	3.00	-48.43	-48.17			-45.29	-42.29	-26.91	-15.38
5785MHz	Pass	6.01G	6.5G	PK	6.42178G	3.00	-49.10	-49.15			-46.11	-43.11	-27.00	-16.11
5825MHz	Pass	4.9G	5.31G	AV	5.14113G	3.00	-61.13	-60.90			-58.00	-55.00	-41.20	-13.80
5825MHz	Pass	5.31G	5.47G	AV	5.45848G	3.00	-60.51	-58.85			-56.59	-53.59	-41.20	-12.39
5825MHz	Pass	4.9G	5.31G	PK	5.21693G	3.00	-50.00	-52.02			-47.88	-44.88	-27.00	-17.88
5825MHz	Pass	5.31G	5.47G	PK	5.4684G	3.00	-48.09	-50.83			-46.24	-43.24	-27.00	-16.24
5825MHz	Pass	5.47G	5.85G	PK	5.50572G	3.00	-50.39	-48.36			-46.25	-43.25	-27.00	-16.25
5825MHz	Pass	5.85G	6.01G	PK	5.97736G	3.00	-47.79	-48.18			-44.97	-41.97	-27.00	-14.97
5825MHz	Pass	6.01G	6.5G	PK	6.13912G	3.00	-47.25	-52.19			-46.04	-43.04	-27.00	-16.04
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.9G	5.31G	AV	5.14974G	3.00	-54.34	-49.28			-48.10	-45.10	-41.20	-3.90
5180MHz	Pass	5.31G	5.47G	AV	5.4508G	3.00	-59.83	-60.13			-56.97	-53.97	-41.20	-12.77
5180MHz	Pass	4.9G	5.31G	PK	5.15G	3.00	-41.20	-34.33			-33.52	-30.52	-21.20	-9.32
5180MHz	Pass	5.31G	5.47G	PK	5.46904G	3.00	-50.13	-50.24			-47.17	-44.17	-27.00	-17.17
5180MHz	Pass	5.47G	5.85G	PK	5.85G	3.00	-47.24	-48.94			-45.00	-42.00	-27.00	-15.00
5180MHz	Pass	5.85G	6.01G	PK	5.8708G	3.00	-48.51	-47.55			-44.99	-41.99	-27.00	-14.99
5180MHz	Pass	6.01G	6.5G	PK	6.4039G	3.00	-49.29	-48.37			-45.80	-42.80	-27.00	-15.80
5200MHz	Pass	4.9G	5.31G	AV	5.14923G	3.00	-56.74	-56.07			-53.38	-50.38	-41.20	-9.18
5200MHz	Pass	5.31G	5.47G	AV	5.45816G	3.00	-60.15	-59.54			-56.82	-53.82	-41.20	-12.62
5200MHz	Pass	4.9G	5.31G	PK	5.14969G	3.00	-45.48	-43.62			-41.44	-38.44	-21.20	-17.24
5200MHz	Pass	5.31G	5.47G	PK	5.46136G	3.00	-50.93	-48.78			-46.71	-43.71	-27.00	-16.71
5200MHz	Pass	5.47G	5.85G	PK	5.77362G	3.00	-48.87	-48.09			-45.45	-42.45	-27.00	-15.45
5200MHz	Pass	5.85G	6.01G	PK	5.87752G	3.00	-48.06	-48.92			-45.46	-42.46	-27.00	-15.46
5200MHz	Pass	6.01G	6.5G	PK	6.41027G	3.00	-48.77	-49.76			-46.23	-43.23	-27.00	-16.23
5240MHz	Pass	4.9G	5.31G	AV	5.10495G	3.00	-60.86	-60.74			-57.79	-54.79	-41.20	-13.59
5240MHz	Pass	5.31G	5.47G	AV	5.4428G	3.00	-59.48	-60.07			-56.75	-53.75	-41.20	-12.55
5240MHz	Pass	4.9G	5.31G	PK	5.07538G	3.00	-51.15	-50.45			-47.78	-44.78	-21.20	-23.58
5240MHz	Pass	5.31G	5.47G	PK	5.4684G	3.00	-50.84	-48.51			-46.51	-43.51	-27.00	-16.51
5240MHz	Pass	5.47G	5.85G	PK	5.7569G	3.00	-47.16	-49.77			-45.26	-42.26	-27.00	-15.26
5240MHz	Pass	5.85G	6.01G	PK	5.882G	3.00	-47.65	-48.45			-45.02	-42.02	-27.00	-15.02
5240MHz	Pass	6.01G	6.5G	PK	6.44145G	3.00	-47.21	-51.80			-45.91	-42.91	-27.00	-15.91
5745MHz	Pass	4.9G	5.31G	AV	5.14375G	3.00	-60.87	-60.88			-57.86	-54.86	-41.20	-13.66
5745MHz	Pass	5.31G	5.47G	AV	5.40184G	3.00	-59.73	-59.91			-56.81	-53.81	-41.20	-12.61
5745MHz	Pass	4.9G	5.31G	PK	5.17665G	3.00	-51.84	-50.27			-47.97	-44.97	-27.00	-17.97
5745MHz	Pass	5.31G	5.47G	PK	5.33688G	3.00	-50.82	-49.12			-46.88	-43.88	-27.00	-16.88
5745MHz	Pass	5.47G	5.85G	PK	5.6391G	3.00	-51.04	-47.87			-46.16	-43.16	-27.00	-16.16
5745MHz	Pass	5.85G	6.01G	PK	5.99848G	3.00	-49.07	-47.71			-45.33	-42.33	-27.00	-15.33
5745MHz	Pass	6.01G	6.5G	PK	6.38975G	3.00	-51.45	-47.91			-46.32	-43.32	-27.00	-16.32
5785MHz	Pass	4.9G	5.31G	AV	5.06743G	3.00	-60.78	-61.20			-57.97	-54.97	-41.20	-13.77
5785MHz	Pass	5.31G	5.47G	AV	5.4588G	3.00	-60.14	-59.77			-56.94	-53.94	-41.20	-12.74
5785MHz	Pass	4.9G	5.31G	PK	5.1931G	3.00	-51.54	-50.78			-48.13	-45.13	-27.00	-18.13
5785MHz	Pass	5.31G	5.47G	PK	5.46616G	3.00	-50.72	-49.04			-46.79	-43.79	-27.00	-16.79
5785MHz	Pass	5.47G	5.85G	PK	5.63948G	3.00	-48.84	-49.81			-46.29	-43.29	-27.00	-16.29
5785MHz	Pass	5.85G	6.01G	PK	5.94344G	3.00	-47.39	-47.35			-44.36	-41.36	-27.00	-14.36
5785MHz	Pass	6.01G	6.5G	PK	6.12662G	3.00	-50.21	-48.43			-46.22	-43.22	-27.00	-16.22