



CSE\_Iron R1\_Antenna set 3 (Bandedge)\_P to M\_P to P

Appendix E.4

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	5.1499G	3.00	-47.14				-47.14	-44.14	-41.20	-2.94
5180MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-54.33				-54.33	-51.33	-41.20	-10.13
5180MHz	Pass	4.9G	5.31G	PK	5.14974G	3.00	-33.78				-33.78	-30.78	-21.20	-9.58
5180MHz	Pass	5.31G	5.47G	PK	5.47G	3.00	-47.51				-47.51	-44.51	-27.00	-17.51
5180MHz	Pass	5.47G	5.85G	PK	5.62466G	3.00	-44.43				-44.43	-41.43	-27.00	-14.43
5180MHz	Pass	5.85G	6.01G	PK	5.9524G	3.00	-46.56				-46.56	-43.56	-27.00	-16.56
5180MHz	Pass	6.01G	6.5G	PK	6.23987G	3.00	-47.48				-47.48	-44.48	-27.00	-17.48
5200MHz	Pass	4.9G	5.31G	AV	5.14908G	3.00	-55.29				-55.29	-52.29	-41.20	-11.09
5200MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-53.98				-53.98	-50.98	-41.20	-9.78
5200MHz	Pass	4.9G	5.31G	PK	5.07948G	3.00	-41.99				-41.99	-38.99	-21.20	-17.79
5200MHz	Pass	5.31G	5.47G	PK	5.46776G	3.00	-46.76				-46.76	-43.76	-27.00	-16.76
5200MHz	Pass	5.47G	5.85G	PK	5.56766G	3.00	-44.11				-44.11	-41.11	-27.00	-14.11
5200MHz	Pass	5.85G	6.01G	PK	5.95208G	3.00	-46.51				-46.51	-43.51	-27.00	-16.51
5200MHz	Pass	6.01G	6.5G	PK	6.47281G	3.00	-46.95				-46.95	-43.95	-27.00	-16.95
5240MHz	Pass	4.9G	5.31G	AV	5.04724G	3.00	-56.21				-56.21	-53.21	-41.20	-12.01
5240MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-54.36				-54.36	-51.36	-41.20	-10.16
5240MHz	Pass	4.9G	5.31G	PK	5.12145G	3.00	-42.39				-42.39	-39.39	-21.20	-18.19
5240MHz	Pass	5.31G	5.47G	PK	5.35992G	3.00	-40.61				-40.61	-37.61	-21.20	-16.41
5240MHz	Pass	5.47G	5.85G	PK	5.56804G	3.00	-44.25				-44.25	-41.25	-27.00	-14.25
5240MHz	Pass	5.85G	6.01G	PK	6.00808G	3.00	-46.16				-46.16	-43.16	-27.00	-16.16
5240MHz	Pass	6.01G	6.5G	PK	6.25935G	3.00	-46.73				-46.73	-43.73	-27.00	-16.73
5745MHz	Pass	4.9G	5.31G	AV	4.9921G	3.00	-58.20				-58.20	-55.20	-41.20	-14.00
5745MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.53				-56.53	-53.53	-41.20	-12.33
5745MHz	Pass	4.9G	5.31G	PK	5.28243G	3.00	-46.11				-46.11	-43.11	-27.00	-16.11
5745MHz	Pass	5.31G	5.47G	PK	5.3388G	3.00	-47.13				-47.13	-44.13	-27.00	-17.13
5745MHz	Pass	5.47G	5.85G	PK	5.6258G	3.00	-39.72				-39.72	-36.72	-27.00	-9.72
5745MHz	Pass	5.85G	6.01G	PK	5.95208G	3.00	-45.65				-45.65	-42.65	-27.00	-15.65
5745MHz	Pass	6.01G	6.5G	PK	6.04785G	3.00	-46.92				-46.92	-43.92	-27.00	-16.92
5785MHz	Pass	4.9G	5.31G	AV	4.99194G	3.00	-58.81				-58.81	-55.81	-41.20	-14.61
5785MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.72				-56.72	-53.72	-41.20	-12.52
5785MHz	Pass	4.9G	5.31G	PK	5.30595G	3.00	-47.25				-47.25	-44.25	-27.00	-17.25
5785MHz	Pass	5.31G	5.47G	PK	5.32696G	3.00	-47.65				-47.65	-44.65	-27.00	-17.65
5785MHz	Pass	5.47G	5.85G	PK	5.59008G	3.00	-45.21				-45.21	-42.21	-27.00	-15.21
5785MHz	Pass	5.85G	6.01G	PK	5.95272G	3.00	-46.56				-46.56	-43.56	-27.00	-16.56
5785MHz	Pass	6.01G	6.5G	PK	6.46539G	3.00	-47.07				-47.07	-44.07	-27.00	-17.07
5825MHz	Pass	4.9G	5.31G	AV	5.1458G	3.00	-58.73				-58.73	-55.73	-41.20	-14.53
5825MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-57.04				-57.04	-54.04	-41.20	-12.84
5825MHz	Pass	4.9G	5.31G	PK	5.27126G	3.00	-47.16				-47.16	-44.16	-27.00	-17.16
5825MHz	Pass	5.31G	5.47G	PK	5.3228G	3.00	-46.85				-46.85	-43.85	-27.00	-16.85
5825MHz	Pass	5.47G	5.85G	PK	5.62846G	3.00	-45.34				-45.34	-42.34	-27.00	-15.34
5825MHz	Pass	5.85G	6.01G	PK	5.94568G	3.00	-43.89				-43.89	-40.89	-27.00	-13.89
5825MHz	Pass	6.01G	6.5G	PK	6.03732G	3.00	-47.33				-47.33	-44.33	-27.00	-17.33
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.9G	5.31G	AV	5.14887G	3.00	-45.89				-45.89	-42.89	-41.20	-1.69
5180MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-54.05				-54.05	-51.05	-41.20	-9.85
5180MHz	Pass	4.9G	5.31G	PK	5.14974G	3.00	-32.83				-32.83	-29.83	-21.20	-8.63
5180MHz	Pass	5.31G	5.47G	PK	5.46104G	3.00	-46.67				-46.67	-43.67	-27.00	-16.67
5180MHz	Pass	5.47G	5.85G	PK	5.56766G	3.00	-44.75				-44.75	-41.75	-27.00	-14.75
5180MHz	Pass	5.85G	6.01G	PK	5.9524G	3.00	-46.35				-46.35	-43.35	-27.00	-16.35
5180MHz	Pass	6.01G	6.5G	PK	6.4243G	3.00	-47.20				-47.20	-44.20	-27.00	-17.20
5200MHz	Pass	4.9G	5.31G	AV	5.14928G	3.00	-55.24				-55.24	-52.24	-41.20	-11.04
5200MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-54.60				-54.60	-51.60	-41.20	-10.40
5200MHz	Pass	4.9G	5.31G	PK	5.08076G	3.00	-41.42				-41.42	-38.42	-21.20	-17.22
5200MHz	Pass	5.31G	5.47G	PK	5.46584G	3.00	-47.20				-47.20	-44.20	-27.00	-17.20
5200MHz	Pass	5.47G	5.85G	PK	5.56804G	3.00	-44.86				-44.86	-41.86	-27.00	-14.86
5200MHz	Pass	5.85G	6.01G	PK	5.93288G	3.00	-46.74				-46.74	-43.74	-27.00	-16.74
5200MHz	Pass	6.01G	6.5G	PK	6.47176G	3.00	-46.95				-46.95	-43.95	-27.00	-16.95
5240MHz	Pass	4.9G	5.31G	AV	5.05293G	3.00	-56.47				-56.47	-53.47	-41.20	-12.27
5240MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-53.05				-53.05	-50.05	-41.20	-8.85
5240MHz	Pass	4.9G	5.31G	PK	5.11981G	3.00	-39.55				-39.55	-36.55	-21.20	-15.35
5240MHz	Pass	5.31G	5.47G	PK	5.46968G	3.00	-46.85				-46.85	-43.85	-27.00	-16.85
5240MHz	Pass	5.47G	5.85G	PK	5.77134G	3.00	-45.87				-45.87	-42.87	-27.00	-15.87
5240MHz	Pass	5.85G	6.01G	PK	5.95208G	3.00	-46.40				-46.40	-43.40	-27.00	-16.40
5240MHz	Pass	6.01G	6.5G	PK	6.49675G	3.00	-47.47				-47.47	-44.47	-27.00	-17.47
5745MHz	Pass	4.9G	5.31G	AV	4.99199G	3.00	-58.37				-58.37	-55.37	-41.20	-14.17
5745MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.52				-56.52	-53.52	-41.20	-12.32
5745MHz	Pass	4.9G	5.31G	PK	5.29883G	3.00	-46.67				-46.67	-43.67	-27.00	-16.67
5745MHz	Pass	5.31G	5.47G	PK	5.46808G	3.00	-47.20				-47.20	-44.20	-27.00	-17.20



CSE\_Iron R1\_Antenna set 3 (Bandedge)\_P to M\_P to P

Appendix E.4

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	5.62618G	3.00	-41.58				-41.58	-38.58	-27.00	-11.58
5745MHz	Pass	5.85G	6.01G	PK	5.95176G	3.00	-44.95				-44.95	-41.95	-27.00	-14.95
5745MHz	Pass	6.01G	6.5G	PK	6.06249G	3.00	-47.04				-47.04	-44.04	-27.00	-17.04
5785MHz	Pass	4.9G	5.31G	AV	5.12079G	3.00	-58.15				-58.15	-55.15	-41.20	-13.95
5785MHz	Pass	5.31G	5.47G	AV	5.37624G	3.00	-56.03				-56.03	-53.03	-41.20	-11.83
5785MHz	Pass	4.9G	5.31G	PK	5.22247G	3.00	-46.40				-46.40	-43.40	-27.00	-16.40
5785MHz	Pass	5.31G	5.47G	PK	5.33464G	3.00	-46.30				-46.30	-43.30	-27.00	-16.30
5785MHz	Pass	5.47G	5.85G	PK	5.584G	3.00	-44.70				-44.70	-41.70	-27.00	-14.70
5785MHz	Pass	5.85G	6.01G	PK	5.95176G	3.00	-44.56				-44.56	-41.56	-27.00	-14.56
5785MHz	Pass	6.01G	6.5G	PK	6.03824G	3.00	-47.06				-47.06	-44.06	-27.00	-17.06
5825MHz	Pass	4.9G	5.31G	AV	5.13683G	3.00	-58.83				-58.83	-55.83	-41.20	-14.63
5825MHz	Pass	5.31G	5.47G	AV	5.3756G	3.00	-57.25				-57.25	-54.25	-41.20	-13.05
5825MHz	Pass	4.9G	5.31G	PK	5.29017G	3.00	-47.48				-47.48	-44.48	-27.00	-17.48
5825MHz	Pass	5.31G	5.47G	PK	5.33912G	3.00	-47.60				-47.60	-44.60	-27.00	-17.60
5825MHz	Pass	5.47G	5.85G	PK	5.62694G	3.00	-45.59				-45.59	-42.59	-27.00	-15.59
5825MHz	Pass	5.85G	6.01G	PK	5.94568G	3.00	-44.82				-44.82	-41.82	-27.00	-14.82
5825MHz	Pass	6.01G	6.5G	PK	6.44843G	3.00	-47.41				-47.41	-44.41	-27.00	-17.41
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.9G	5.31G	AV	5.14995G	3.00	-44.98				-44.98	-41.98	-41.20	-0.78
5190MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-53.93				-53.93	-50.93	-41.20	-9.73
5190MHz	Pass	4.9G	5.31G	PK	5.14585G	3.00	-32.50				-32.50	-29.50	-21.20	-8.30
5190MHz	Pass	5.31G	5.47G	PK	5.47G	3.00	-46.22				-46.22	-43.22	-27.00	-16.22
5190MHz	Pass	5.47G	5.85G	PK	5.56766G	3.00	-44.88				-44.88	-41.88	-27.00	-14.88
5190MHz	Pass	5.85G	6.01G	PK	5.99432G	3.00	-46.32				-46.32	-43.32	-27.00	-16.32
5190MHz	Pass	6.01G	6.5G	PK	6.442G	3.00	-45.85				-45.85	-42.85	-27.00	-15.85
5230MHz	Pass	4.9G	5.31G	AV	5.14969G	3.00	-52.06				-52.06	-49.06	-41.20	-7.86
5230MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-53.67				-53.67	-50.67	-41.20	-9.47
5230MHz	Pass	4.9G	5.31G	PK	5.11136G	3.00	-35.19				-35.19	-32.19	-21.20	-10.99
5230MHz	Pass	5.31G	5.47G	PK	5.35096G	3.00	-35.25				-35.25	-32.25	-21.20	-11.05
5230MHz	Pass	5.47G	5.85G	PK	5.56804G	3.00	-45.36				-45.36	-42.36	-27.00	-15.36
5230MHz	Pass	5.85G	6.01G	PK	5.8516G	3.00	-46.70				-46.70	-43.70	-27.00	-16.70
5230MHz	Pass	6.01G	6.5G	PK	6.09189G	3.00	-47.40				-47.40	-44.40	-27.00	-17.40
5755MHz	Pass	4.9G	5.31G	AV	4.99179G	3.00	-58.07				-58.07	-55.07	-41.20	-13.87
5755MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.32				-56.32	-53.32	-41.20	-12.12
5755MHz	Pass	4.9G	5.31G	PK	5.26136G	3.00	-46.79				-46.79	-43.79	-27.00	-16.79
5755MHz	Pass	5.31G	5.47G	PK	5.32056G	3.00	-47.15				-47.15	-44.15	-27.00	-17.15
5755MHz	Pass	5.47G	5.85G	PK	5.63568G	3.00	-33.74				-33.74	-30.74	-27.00	-3.74
5755MHz	Pass	5.85G	6.01G	PK	5.95144G	3.00	-44.59				-44.59	-41.59	-27.00	-14.59
5755MHz	Pass	6.01G	6.5G	PK	6.10776G	3.00	-47.02				-47.02	-44.02	-27.00	-17.02
5795MHz	Pass	4.9G	5.31G	AV	5.14918G	3.00	-58.43				-58.43	-55.43	-41.20	-14.23
5795MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-57.80				-57.80	-54.80	-41.20	-13.60
5795MHz	Pass	4.9G	5.31G	PK	5.27966G	3.00	-47.67				-47.67	-44.67	-27.00	-17.67
5795MHz	Pass	5.31G	5.47G	PK	5.31288G	3.00	-47.87				-47.87	-44.87	-27.00	-17.87
5795MHz	Pass	5.47G	5.85G	PK	5.60452G	3.00	-45.46				-45.46	-42.46	-27.00	-15.46
5795MHz	Pass	5.85G	6.01G	PK	5.91752G	3.00	-38.85				-38.85	-35.85	-21.46	-14.39
5795MHz	Pass	6.01G	6.5G	PK	6.01576G	3.00	-47.40				-47.40	-44.40	-27.00	-17.40
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.9G	5.31G	AV	5.14949G	3.00	-44.87				-44.87	-41.87	-41.20	-0.67
5210MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-54.55				-54.55	-51.55	-41.20	-10.35
5210MHz	Pass	4.9G	5.31G	PK	5.14764G	3.00	-32.41				-32.41	-29.41	-21.20	-8.21
5210MHz	Pass	5.31G	5.47G	PK	5.46296G	3.00	-46.38				-46.38	-43.38	-27.00	-16.38
5210MHz	Pass	5.47G	5.85G	PK	5.5954G	3.00	-45.69				-45.69	-42.69	-27.00	-15.69
5210MHz	Pass	5.85G	6.01G	PK	5.98664G	3.00	-46.76				-46.76	-43.76	-27.00	-16.76
5210MHz	Pass	6.01G	6.5G	PK	6.41076G	3.00	-45.65				-45.65	-42.65	-27.00	-15.65
5775MHz	Pass	4.9G	5.31G	AV	5.13642G	3.00	-58.44				-58.44	-55.44	-41.20	-14.24
5775MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.48				-56.48	-53.48	-41.20	-12.28
5775MHz	Pass	4.9G	5.31G	PK	5.25634G	3.00	-46.68				-46.68	-43.68	-27.00	-16.68
5775MHz	Pass	5.31G	5.47G	PK	5.46872G	3.00	-47.28				-47.28	-44.28	-27.00	-17.28
5775MHz	Pass	5.47G	5.85G	PK	5.64784G	3.00	-33.63				-33.63	-30.63	-27.00	-3.63
5775MHz	Pass	5.85G	6.01G	PK	5.92872G	3.00	-37.21				-37.21	-34.21	-27.00	-7.21
5775MHz	Pass	6.01G	6.5G	PK	6.38816G	3.00	-46.93				-46.93	-43.93	-27.00	-16.93
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.9G	5.31G	AV	5.14851G	3.00	-57.38	-56.15			-53.71	-50.71	-41.20	-9.51
5180MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-57.30	-56.32			-53.77	-50.77	-41.20	-9.57
5180MHz	Pass	4.9G	5.31G	PK	5.1481G	3.00	-50.97	-44.85			-43.90	-40.90	-21.20	-19.70
5180MHz	Pass	5.31G	5.47G	PK	5.46968G	3.00	-48.64	-47.75			-45.16	-42.16	-27.00	-15.16
5180MHz	Pass	5.47G	5.85G	PK	5.48406G	3.00	-46.89	-48.22			-44.49	-41.49	-27.00	-14.49
5180MHz	Pass	5.85G	6.01G	PK	5.96392G	3.00	-49.99	-46.84			-45.13	-42.13	-27.00	-15.13
5180MHz	Pass	6.01G	6.5G	PK	6.48928G	3.00	-50.02	-46.77			-45.09	-42.09	-27.00	-15.09
5200MHz	Pass	4.9G	5.31G	AV	5.1481G	3.00	-58.02	-57.72			-54.86	-51.86	-41.20	-10.66



CSE\_Iron R1\_Antenna set 3 (Bandedge)\_P to M\_P to P

Appendix E.4

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	5.37592G	3.00	-55.08	-57.64			-53.16	-50.16	-41.20	-8.96
5200MHz	Pass	4.9G	5.31G	PK	5.08061G	3.00	-44.42	-50.72			-43.51	-40.51	-21.20	-19.31
5200MHz	Pass	5.31G	5.47G	PK	5.46008G	3.00	-47.48	-48.89			-45.12	-42.12	-27.00	-15.12
5200MHz	Pass	5.47G	5.85G	PK	5.56804G	3.00	-45.75	-48.13			-43.77	-40.77	-27.00	-13.77
5200MHz	Pass	5.85G	6.01G	PK	5.9764G	3.00	-47.26	-49.62			-45.27	-42.27	-27.00	-15.27
5200MHz	Pass	6.01G	6.5G	PK	6.44255G	3.00	-50.07	-47.35			-45.49	-42.49	-27.00	-15.49
5240MHz	Pass	4.9G	5.31G	AV	5.13924G	3.00	-58.83	-58.20			-55.49	-52.49	-41.20	-11.29
5240MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.26	-58.14			-54.09	-51.09	-41.20	-9.89
5240MHz	Pass	4.9G	5.31G	PK	5.11976G	3.00	-44.70	-51.39			-43.86	-40.86	-21.20	-19.66
5240MHz	Pass	5.31G	5.47G	PK	5.46424G	3.00	-49.27	-47.35			-45.19	-42.19	-27.00	-15.19
5240MHz	Pass	5.47G	5.85G	PK	5.83708G	3.00	-47.01	-49.07			-44.91	-41.91	-27.00	-14.91
5240MHz	Pass	5.85G	6.01G	PK	5.89576G	3.00	-49.74	-47.16			-45.25	-42.25	-27.00	-15.25
5240MHz	Pass	6.01G	6.5G	PK	6.44586G	3.00	-49.71	-47.76			-45.62	-42.62	-27.00	-15.62
5745MHz	Pass	4.9G	5.31G	AV	5.14687G	3.00	-59.33	-58.79			-56.04	-53.04	-41.20	-11.84
5745MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-55.82	-57.83			-53.70	-50.70	-41.20	-9.50
5745MHz	Pass	4.9G	5.31G	PK	5.27653G	3.00	-50.10	-45.50			-44.21	-41.21	-27.00	-14.21
5745MHz	Pass	5.31G	5.47G	PK	5.46072G	3.00	-49.45	-46.17			-44.50	-41.50	-27.00	-14.50
5745MHz	Pass	5.47G	5.85G	PK	5.62542G	3.00	-41.80	-46.79			-40.60	-37.60	-27.00	-10.60
5745MHz	Pass	5.85G	6.01G	PK	5.94216G	3.00	-47.80	-44.67			-42.95	-39.95	-27.00	-12.95
5745MHz	Pass	6.01G	6.5G	PK	6.01864G	3.00	-48.93	-46.93			-44.81	-41.81	-27.00	-14.81
5785MHz	Pass	4.9G	5.31G	AV	5.14098G	3.00	-59.67	-58.53			-56.05	-53.05	-41.20	-11.85
5785MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.58	-57.26			-53.90	-50.90	-41.20	-9.70
5785MHz	Pass	4.9G	5.31G	PK	5.26844G	3.00	-48.62	-45.90			-44.04	-41.04	-27.00	-14.04
5785MHz	Pass	5.31G	5.47G	PK	5.31704G	3.00	-47.61	-46.77			-44.16	-41.16	-27.00	-14.16
5785MHz	Pass	5.47G	5.85G	PK	5.59008G	3.00	-45.59	-43.86			-41.63	-38.63	-27.00	-11.63
5785MHz	Pass	5.85G	6.01G	PK	5.95208G	3.00	-45.35	-47.15			-43.15	-40.15	-27.00	-13.15
5785MHz	Pass	6.01G	6.5G	PK	6.01802G	3.00	-49.41	-47.65			-45.43	-42.43	-27.00	-15.43
5825MHz	Pass	4.9G	5.31G	AV	5.14744G	3.00	-59.70	-58.16			-55.85	-52.85	-41.20	-11.65
5825MHz	Pass	5.31G	5.47G	AV	5.3756G	3.00	-57.78	-56.65			-54.17	-51.17	-41.20	-9.97
5825MHz	Pass	4.9G	5.31G	PK	5.29232G	3.00	-48.76	-46.44			-44.44	-41.44	-27.00	-14.44
5825MHz	Pass	5.31G	5.47G	PK	5.3468G	3.00	-49.34	-45.93			-44.30	-41.30	-27.00	-14.30
5825MHz	Pass	5.47G	5.85G	PK	5.63872G	3.00	-46.93	-43.45			-41.84	-38.84	-27.00	-11.84
5825MHz	Pass	5.85G	6.01G	PK	5.94504G	3.00	-45.12	-46.97			-42.94	-39.94	-27.00	-12.94
5825MHz	Pass	6.01G	6.5G	PK	6.02237G	3.00	-49.03	-46.51			-44.58	-41.58	-27.00	-14.58
802.11ax HEW20_Nss1,(MCS0)_TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.9G	5.31G	AV	5.14979G	3.00	-55.49	-56.31			-52.87	-49.87	-41.20	-8.67
5180MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-55.35	-57.16			-53.15	-50.15	-41.20	-8.95
5180MHz	Pass	4.9G	5.31G	PK	5.14718G	3.00	-47.55	-45.95			-43.67	-40.67	-21.20	-19.47
5180MHz	Pass	5.31G	5.47G	PK	5.46712G	3.00	-47.51	-47.05			-44.26	-41.26	-27.00	-14.26
5180MHz	Pass	5.47G	5.85G	PK	5.72916G	3.00	-46.38	-49.05			-44.50	-41.50	-27.00	-14.50
5180MHz	Pass	5.85G	6.01G	PK	5.95144G	3.00	-47.72	-48.40			-45.04	-42.04	-27.00	-15.04
5180MHz	Pass	6.01G	6.5G	PK	6.18328G	3.00	-48.86	-48.39			-45.61	-42.61	-27.00	-15.61
5200MHz	Pass	4.9G	5.31G	AV	5.14902G	3.00	-58.76	-57.81			-55.25	-52.25	-41.20	-11.05
5200MHz	Pass	5.31G	5.47G	AV	5.3756G	3.00	-56.22	-57.80			-53.93	-50.93	-41.20	-9.73
5200MHz	Pass	4.9G	5.31G	PK	5.13391G	3.00	-46.07	-51.89			-45.06	-42.06	-21.20	-20.86
5200MHz	Pass	5.31G	5.47G	PK	5.46648G	3.00	-47.40	-49.53			-45.33	-42.33	-27.00	-15.33
5200MHz	Pass	5.47G	5.85G	PK	5.60604G	3.00	-47.33	-47.76			-44.53	-41.53	-27.00	-14.53
5200MHz	Pass	5.85G	6.01G	PK	5.87784G	3.00	-48.06	-48.12			-45.08	-42.08	-27.00	-15.08
5200MHz	Pass	6.01G	6.5G	PK	6.49492G	3.00	-47.32	-50.22			-45.52	-42.52	-27.00	-15.52
5240MHz	Pass	4.9G	5.31G	AV	5.03879G	3.00	-58.50	-58.60			-55.54	-52.54	-41.20	-11.34
5240MHz	Pass	5.31G	5.47G	AV	5.4348G	3.00	-57.82	-56.66			-54.19	-51.19	-41.20	-9.99
5240MHz	Pass	4.9G	5.31G	PK	5.04555G	3.00	-48.19	-49.29			-45.69	-42.69	-21.20	-21.49
5240MHz	Pass	5.31G	5.47G	PK	5.46872G	3.00	-49.37	-47.07			-45.06	-42.06	-27.00	-15.06
5240MHz	Pass	5.47G	5.85G	PK	5.68128G	3.00	-49.12	-46.55			-44.64	-41.64	-27.00	-14.64
5240MHz	Pass	5.85G	6.01G	PK	6.0036G	3.00	-46.52	-49.78			-44.84	-41.84	-27.00	-14.84
5240MHz	Pass	6.01G	6.5G	PK	6.26554G	3.00	-48.62	-47.49			-45.01	-42.01	-27.00	-15.01
5745MHz	Pass	4.9G	5.31G	AV	5.142G	3.00	-60.07	-58.18			-56.01	-53.01	-41.20	-11.81
5745MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.86	-56.68			-53.76	-50.76	-41.20	-9.56
5745MHz	Pass	4.9G	5.31G	PK	5.27428G	3.00	-46.06	-49.02			-44.28	-41.28	-27.00	-14.28
5745MHz	Pass	5.31G	5.47G	PK	5.33624G	3.00	-48.23	-46.27			-44.13	-41.13	-27.00	-14.13
5745MHz	Pass	5.47G	5.85G	PK	5.62542G	3.00	-41.24	-46.86			-40.19	-37.19	-27.00	-10.19
5745MHz	Pass	5.85G	6.01G	PK	5.93352G	3.00	-46.82	-46.02			-43.39	-40.39	-27.00	-13.39
5745MHz	Pass	6.01G	6.5G	PK	6.44549G	3.00	-47.44	-47.85			-44.63	-41.63	-27.00	-14.63
5785MHz	Pass	4.9G	5.31G	AV	5.13324G	3.00	-58.79	-58.95			-55.86	-52.86	-41.20	-11.66
5785MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.52	-57.26			-53.86	-50.86	-41.20	-9.66
5785MHz	Pass	4.9G	5.31G	PK	5.2691G	3.00	-47.98	-46.50			-44.17	-41.17	-27.00	-14.17
5785MHz	Pass	5.31G	5.47G	PK	5.4668G	3.00	-49.49	-45.76			-44.23	-41.23	-27.00	-14.23
5785MHz	Pass	5.47G	5.85G	PK	5.58894G	3.00	-45.15	-44.23			-41.66	-38.66	-27.00	-11.66
5785MHz	Pass	5.85G	6.01G	PK	5.92744G	3.00	-45.90	-47.31			-43.54	-40.54	-27.00	-13.54
5785MHz	Pass	6.01G	6.5G	PK	6.01386G	3.00	-47.80	-48.84			-45.28	-42.28	-27.00	-15.28



CSE\_Iron R1\_Antenna set 3 (Bandedge)\_P to M\_P to P

Appendix E.4

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)
5825MHz	Pass	4.9G	5.31G	AV	5.1479G	3.00	-58.75	-58.92			-55.82	-52.82	-41.20	-11.62
5825MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.38	-57.51			-53.90	-50.90	-41.20	-9.70
5825MHz	Pass	4.9G	5.31G	PK	5.27946G	3.00	-47.87	-47.04			-44.42	-41.42	-27.00	-14.42
5825MHz	Pass	5.31G	5.47G	PK	5.46872G	3.00	-48.97	-46.11			-44.30	-41.30	-27.00	-14.30
5825MHz	Pass	5.47G	5.85G	PK	5.63074G	3.00	-46.31	-44.17			-42.10	-39.10	-27.00	-12.10
5825MHz	Pass	5.85G	6.01G	PK	5.94504G	3.00	-43.01	-47.18			-41.60	-38.60	-27.00	-11.60
5825MHz	Pass	6.01G	6.5G	PK	6.02115G	3.00	-49.86	-44.92			-43.71	-40.71	-27.00	-13.71
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.9G	5.31G	AV	5.14877G	3.00	-52.79	-49.95			-48.13	-45.13	-41.20	-3.93
5190MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.92	-56.61			-53.75	-50.75	-41.20	-9.55
5190MHz	Pass	4.9G	5.31G	PK	5.14805G	3.00	-44.39	-39.16			-38.02	-35.02	-21.20	-13.82
5190MHz	Pass	5.31G	5.47G	PK	5.46808G	3.00	-50.02	-46.73			-45.06	-42.06	-27.00	-15.06
5190MHz	Pass	5.47G	5.85G	PK	5.62542G	3.00	-47.88	-47.60			-44.73	-41.73	-27.00	-14.73
5190MHz	Pass	5.85G	6.01G	PK	5.90408G	3.00	-49.55	-47.23			-45.23	-42.23	-27.00	-15.23
5190MHz	Pass	6.01G	6.5G	PK	6.43514G	3.00	-49.70	-47.26			-45.30	-42.30	-27.00	-15.30
5230MHz	Pass	4.9G	5.31G	AV	5.12765G	3.00	-59.08	-57.38			-55.14	-52.14	-41.20	-10.94
5230MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.82	-57.32			-54.05	-51.05	-41.20	-9.85
5230MHz	Pass	4.9G	5.31G	PK	5.10895G	3.00	-40.56	-50.31			-40.12	-37.12	-21.20	-15.92
5230MHz	Pass	5.31G	5.47G	PK	5.46936G	3.00	-49.50	-46.82			-44.95	-41.95	-27.00	-14.95
5230MHz	Pass	5.47G	5.85G	PK	5.56766G	3.00	-47.97	-46.90			-44.39	-41.39	-27.00	-14.39
5230MHz	Pass	5.85G	6.01G	PK	5.88648G	3.00	-48.05	-48.57			-45.29	-42.29	-27.00	-15.29
5230MHz	Pass	6.01G	6.5G	PK	6.47201G	3.00	-49.73	-47.09			-45.20	-42.20	-27.00	-15.20
5755MHz	Pass	4.9G	5.31G	AV	5.10761G	3.00	-59.46	-58.94			-56.18	-53.18	-41.20	-11.98
5755MHz	Pass	5.31G	5.47G	AV	5.37624G	3.00	-57.01	-56.51			-53.74	-50.74	-41.20	-9.54
5755MHz	Pass	4.9G	5.31G	PK	5.28909G	3.00	-50.17	-45.65			-44.34	-41.34	-27.00	-14.34
5755MHz	Pass	5.31G	5.47G	PK	5.3148G	3.00	-49.46	-46.07			-44.43	-41.43	-27.00	-14.43
5755MHz	Pass	5.47G	5.85G	PK	5.63454G	3.00	-33.75	-44.06			-33.36	-30.36	-27.00	-3.36
5755MHz	Pass	5.85G	6.01G	PK	5.95176G	3.00	-46.26	-45.92			-43.08	-40.08	-27.00	-13.08
5755MHz	Pass	6.01G	6.5G	PK	6.1649G	3.00	-50.02	-46.95			-45.21	-42.21	-27.00	-15.21
5795MHz	Pass	4.9G	5.31G	AV	4.99179G	3.00	-58.25	-59.79			-55.94	-52.94	-41.20	-11.74
5795MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.59	-56.87			-53.72	-50.72	-41.20	-9.52
5795MHz	Pass	4.9G	5.31G	PK	5.28663G	3.00	-51.68	-45.95			-44.92	-41.92	-27.00	-14.92
5795MHz	Pass	5.31G	5.47G	PK	5.33048G	3.00	-48.17	-46.05			-43.97	-40.97	-27.00	-13.97
5795MHz	Pass	5.47G	5.85G	PK	5.62048G	3.00	-46.84	-42.51			-41.15	-38.15	-27.00	-11.15
5795MHz	Pass	5.85G	6.01G	PK	5.92648G	3.00	-45.35	-43.40			-41.26	-38.26	-27.00	-11.26
5795MHz	Pass	6.01G	6.5G	PK	6.01802G	3.00	-48.99	-47.48			-45.16	-42.16	-27.00	-15.16
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.9G	5.31G	AV	5.14733G	3.00	-52.00	-49.67			-47.67	-44.67	-41.20	-3.47
5210MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-55.28	-56.16			-52.69	-49.69	-41.20	-8.49
5210MHz	Pass	4.9G	5.31G	PK	5.14118G	3.00	-45.92	-36.74			-36.24	-33.24	-21.20	-12.04
5210MHz	Pass	5.31G	5.47G	PK	5.4604G	3.00	-48.25	-47.24			-44.71	-41.71	-27.00	-14.71
5210MHz	Pass	5.47G	5.85G	PK	5.6505G	3.00	-48.09	-45.84			-43.81	-40.81	-27.00	-13.81
5210MHz	Pass	5.85G	6.01G	PK	5.9412G	3.00	-46.72	-50.23			-45.12	-42.12	-27.00	-15.12
5210MHz	Pass	6.01G	6.5G	PK	6.38295G	3.00	-47.81	-48.63			-45.19	-42.19	-27.00	-15.19
5775MHz	Pass	4.9G	5.31G	AV	5.12524G	3.00	-58.52	-59.29			-55.88	-52.88	-41.20	-11.68
5775MHz	Pass	5.31G	5.47G	AV	5.37624G	3.00	-57.51	-55.84			-53.58	-50.58	-41.20	-9.38
5775MHz	Pass	4.9G	5.31G	PK	5.21965G	3.00	-48.19	-46.48			-44.24	-41.24	-27.00	-14.24
5775MHz	Pass	5.31G	5.47G	PK	5.46264G	3.00	-49.35	-45.11			-43.72	-40.72	-27.00	-13.72
5775MHz	Pass	5.47G	5.85G	PK	5.64936G	3.00	-42.51	-30.95			-30.66	-27.66	-27.00	-0.66
5775MHz	Pass	5.85G	6.01G	PK	5.93G	3.00	-43.36	-37.70			-36.66	-33.66	-27.00	-6.66
5775MHz	Pass	6.01G	6.5G	PK	6.02005G	3.00	-49.16	-46.15			-44.39	-41.39	-27.00	-14.39
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.9G	5.31G	AV	5.14908G	3.00	-58.32	-57.25	-57.81	-58.98	-52.02	-49.02	-41.20	-7.82
5180MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-57.31	-57.64	-57.45	-56.21	-51.09	-48.09	-41.20	-6.89
5180MHz	Pass	4.9G	5.31G	PK	5.14933G	3.00	-52.94	-48.09	-48.02	-48.51	-42.97	-39.97	-21.20	-18.77
5180MHz	Pass	5.31G	5.47G	PK	5.46744G	3.00	-49.64	-48.64	-47.48	-49.28	-42.66	-39.66	-27.00	-12.66
5180MHz	Pass	5.47G	5.85G	PK	5.51408G	3.00	-48.14	-50.17	-49.45	-46.48	-42.31	-39.31	-27.00	-12.31
5180MHz	Pass	5.85G	6.01G	PK	5.91048G	3.00	-48.22	-49.76	-49.31	-48.10	-42.77	-39.77	-27.00	-12.77
5180MHz	Pass	6.01G	6.5G	PK	6.40672G	3.00	-50.76	-48.29	-47.37	-49.28	-42.73	-39.73	-27.00	-12.73
5200MHz	Pass	4.9G	5.31G	AV	5.14421G	3.00	-59.79	-58.34	-59.12	-57.91	-52.71	-49.71	-41.20	-8.51
5200MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-57.52	-57.89	-58.52	-56.11	-51.40	-48.40	-41.20	-7.20
5200MHz	Pass	4.9G	5.31G	PK	5.14764G	3.00	-52.10	-49.63	-48.45	-48.23	-43.34	-40.34	-21.20	-19.14
5200MHz	Pass	5.31G	5.47G	PK	5.46264G	3.00	-49.30	-48.52	-47.11	-49.56	-42.49	-39.49	-27.00	-12.49
5200MHz	Pass	5.47G	5.85G	PK	5.63872G	3.00	-49.46	-47.57	-47.85	-47.93	-42.12	-39.12	-27.00	-12.12
5200MHz	Pass	5.85G	6.01G	PK	5.858G	3.00	-48.83	-47.51	-50.45	-48.76	-42.74	-39.74	-27.00	-12.74
5200MHz	Pass	6.01G	6.5G	PK	6.488G	3.00	-49.69	-49.18	-49.46	-47.84	-42.96	-39.96	-27.00	-12.96
5240MHz	Pass	4.9G	5.31G	AV	5.146G	3.00	-59.24	-57.99	-57.89	-59.26	-52.53	-49.53	-41.20	-8.33
5240MHz	Pass	5.31G	5.47G	AV	5.3756G	3.00	-56.52	-58.21	-58.39	-57.75	-51.63	-48.63	-41.20	-7.43
5240MHz	Pass	4.9G	5.31G	PK	5.1195G	3.00	-44.84	-50.36	-51.36	-52.51	-42.60	-39.60	-21.20	-18.40
5240MHz	Pass	5.31G	5.47G	PK	5.47G	3.00	-48.32	-48.85	-49.26	-49.09	-42.84	-39.84	-27.00	-12.84



CSE\_Iron R1\_Antenna set 3 (Bandedge)\_P to M\_P to P

Appendix E.4

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)
5240MHz	Pass	5.47G	5.85G	PK	5.56728G	3.00	-48.70	-47.27	-48.89	-47.46	-42.00	-39.00	-27.00	-12.00
5240MHz	Pass	5.85G	6.01G	PK	5.92232G	3.00	-48.82	-48.54	-48.48	-49.28	-42.75	-39.75	-27.00	-12.75
5240MHz	Pass	6.01G	6.5G	PK	6.49504G	3.00	-50.44	-49.20	-47.52	-48.52	-42.77	-39.77	-27.00	-12.77
5745MHz	Pass	4.9G	5.31G	AV	5.14826G	3.00	-59.64	-59.26	-57.83	-60.42	-53.16	-50.16	-41.20	-8.96
5745MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.88	-57.27	-56.36	-55.65	-50.48	-47.48	-41.20	-6.28
5745MHz	Pass	4.9G	5.31G	PK	5.275G	3.00	-51.33	-49.00	-44.73	-50.72	-42.07	-39.07	-27.00	-12.07
5745MHz	Pass	5.31G	5.47G	PK	5.33048G	3.00	-48.78	-47.79	-45.43	-48.98	-41.48	-38.48	-27.00	-11.48
5745MHz	Pass	5.47G	5.85G	PK	5.64632G	3.00	-46.11	-42.82	-41.63	-45.15	-37.55	-34.55	-27.00	-7.55
5745MHz	Pass	5.85G	6.01G	PK	5.93288G	3.00	-47.50	-45.77	-44.50	-47.89	-40.18	-37.18	-27.00	-10.18
5745MHz	Pass	6.01G	6.5G	PK	6.01741G	3.00	-48.31	-50.21	-46.78	-51.59	-42.82	-39.82	-27.00	-12.82
5785MHz	Pass	4.9G	5.31G	AV	5.14047G	3.00	-58.22	-59.39	-58.84	-61.35	-53.28	-50.28	-41.20	-9.08
5785MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-57.04	-57.44	-55.51	-55.73	-50.33	-47.33	-41.20	-6.13
5785MHz	Pass	4.9G	5.31G	PK	5.23246G	3.00	-48.39	-49.80	-47.85	-48.39	-42.53	-39.53	-27.00	-12.53
5785MHz	Pass	5.31G	5.47G	PK	5.33176G	3.00	-49.85	-48.60	-43.91	-49.10	-41.13	-38.13	-27.00	-11.13
5785MHz	Pass	5.47G	5.85G	PK	5.5897G	3.00	-46.43	-43.03	-45.34	-48.28	-39.33	-36.33	-27.00	-9.33
5785MHz	Pass	5.85G	6.01G	PK	5.97128G	3.00	-45.71	-47.59	-45.12	-47.49	-40.32	-37.32	-27.00	-10.32
5785MHz	Pass	6.01G	6.5G	PK	6.35073G	3.00	-51.50	-48.25	-49.62	-47.46	-42.93	-39.93	-27.00	-12.93
5825MHz	Pass	4.9G	5.31G	AV	4.99179G	3.00	-59.25	-59.06	-60.25	-58.39	-53.17	-50.17	-41.20	-8.97
5825MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.83	-57.41	-57.08	-55.53	-50.63	-47.63	-41.20	-6.43
5825MHz	Pass	4.9G	5.31G	PK	5.29652G	3.00	-49.73	-48.97	-48.69	-46.87	-42.41	-39.41	-27.00	-12.41
5825MHz	Pass	5.31G	5.47G	PK	5.33496G	3.00	-49.82	-47.46	-44.85	-49.22	-41.36	-38.36	-27.00	-11.36
5825MHz	Pass	5.47G	5.85G	PK	5.63416G	3.00	-45.42	-46.23	-45.83	-47.16	-40.09	-37.09	-27.00	-10.09
5825MHz	Pass	5.85G	6.01G	PK	5.92456G	3.00	-45.80	-43.71	-41.59	-46.72	-37.97	-34.97	-26.67	-8.30
5825MHz	Pass	6.01G	6.5G	PK	6.01343G	3.00	-48.17	-47.37	-46.67	-48.32	-41.56	-38.56	-27.00	-11.56
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.9G	5.31G	AV	5.14708G	3.00	-59.90	-57.81	-57.89	-58.37	-52.40	-49.40	-41.20	-8.20
5180MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-57.59	-57.95	-58.01	-56.83	-51.55	-48.55	-41.20	-7.35
5180MHz	Pass	4.9G	5.31G	PK	5.14841G	3.00	-52.67	-47.41	-46.24	-50.51	-42.50	-39.50	-21.20	-18.30
5180MHz	Pass	5.31G	5.47G	PK	5.46616G	3.00	-50.48	-47.61	-49.27	-49.69	-43.11	-40.11	-27.00	-13.11
5180MHz	Pass	5.47G	5.85G	PK	5.51484G	3.00	-48.88	-48.17	-48.18	-48.47	-42.39	-39.39	-27.00	-12.39
5180MHz	Pass	5.85G	6.01G	PK	5.9044G	3.00	-50.44	-48.19	-48.35	-49.47	-43.00	-40.00	-27.00	-13.00
5180MHz	Pass	6.01G	6.5G	PK	6.40531G	3.00	-47.89	-48.81	-51.85	-50.36	-43.45	-40.45	-27.00	-13.45
5200MHz	Pass	4.9G	5.31G	AV	5.14708G	3.00	-61.09	-59.59	-58.37	-59.40	-53.49	-50.49	-41.20	-9.29
5200MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-57.94	-58.66	-59.15	-56.80	-52.02	-49.02	-41.20	-7.82
5200MHz	Pass	4.9G	5.31G	PK	5.09829G	3.00	-50.37	-48.76	-48.89	-50.84	-43.60	-40.60	-21.20	-19.40
5200MHz	Pass	5.31G	5.47G	PK	5.4604G	3.00	-49.68	-48.04	-49.49	-48.54	-42.86	-39.86	-27.00	-12.86
5200MHz	Pass	5.47G	5.85G	PK	5.63644G	3.00	-49.46	-48.05	-47.07	-49.59	-42.39	-39.39	-27.00	-12.39
5200MHz	Pass	5.85G	6.01G	PK	5.98376G	3.00	-48.62	-49.58	-50.55	-47.94	-43.04	-40.04	-27.00	-13.04
5200MHz	Pass	6.01G	6.5G	PK	6.48126G	3.00	-49.46	-46.94	-50.27	-52.19	-43.28	-40.28	-27.00	-13.28
5240MHz	Pass	4.9G	5.31G	AV	5.14605G	3.00	-59.24	-58.62	-60.07	-59.23	-53.24	-50.24	-41.20	-9.04
5240MHz	Pass	5.31G	5.47G	AV	5.3756G	3.00	-57.08	-58.06	-59.07	-58.14	-52.01	-49.01	-41.20	-7.81
5240MHz	Pass	4.9G	5.31G	PK	5.04273G	3.00	-49.69	-52.29	-47.58	-50.95	-43.75	-40.75	-21.20	-19.55
5240MHz	Pass	5.31G	5.47G	PK	5.46776G	3.00	-49.11	-47.86	-49.09	-49.48	-42.82	-39.82	-27.00	-12.82
5240MHz	Pass	5.47G	5.85G	PK	5.65962G	3.00	-49.51	-49.23	-50.09	-46.14	-42.42	-39.42	-27.00	-12.42
5240MHz	Pass	5.85G	6.01G	PK	5.96456G	3.00	-48.54	-48.99	-49.43	-48.11	-42.72	-39.72	-27.00	-12.72
5240MHz	Pass	6.01G	6.5G	PK	6.47281G	3.00	-49.76	-48.70	-50.42	-49.57	-43.55	-40.55	-27.00	-13.55
5745MHz	Pass	4.9G	5.31G	AV	5.14149G	3.00	-59.34	-59.46	-58.78	-60.08	-53.37	-50.37	-41.20	-9.17
5745MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.50	-57.61	-56.35	-56.40	-50.66	-47.66	-41.20	-6.46
5745MHz	Pass	4.9G	5.31G	PK	5.24548G	3.00	-51.77	-47.82	-46.46	-48.78	-42.29	-39.29	-27.00	-12.29
5745MHz	Pass	5.31G	5.47G	PK	5.31608G	3.00	-48.99	-47.61	-44.62	-49.78	-41.25	-38.25	-27.00	-11.25
5745MHz	Pass	5.47G	5.85G	PK	5.64366G	3.00	-45.12	-43.51	-43.68	-40.81	-36.96	-33.96	-27.00	-6.96
5745MHz	Pass	5.85G	6.01G	PK	5.93128G	3.00	-46.50	-47.07	-44.57	-47.75	-40.28	-37.28	-27.00	-10.28
5745MHz	Pass	6.01G	6.5G	PK	6.02243G	3.00	-50.72	-49.90	-45.38	-51.02	-42.55	-39.55	-27.00	-12.55
5785MHz	Pass	4.9G	5.31G	AV	5.14928G	3.00	-59.20	-58.97	-59.02	-59.74	-53.20	-50.20	-41.20	-9.00
5785MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.95	-56.52	-56.96	-55.60	-50.45	-47.45	-41.20	-6.25
5785MHz	Pass	4.9G	5.31G	PK	5.30641G	3.00	-50.97	-46.29	-47.35	-50.04	-42.23	-39.23	-27.00	-12.23
5785MHz	Pass	5.31G	5.47G	PK	5.33848G	3.00	-48.47	-45.39	-47.08	-48.57	-41.16	-38.16	-27.00	-11.16
5785MHz	Pass	5.47G	5.85G	PK	5.60148G	3.00	-46.07	-44.71	-44.51	-47.96	-39.59	-36.59	-27.00	-9.59
5785MHz	Pass	5.85G	6.01G	PK	5.97032G	3.00	-48.91	-44.30	-44.88	-48.42	-40.14	-37.14	-27.00	-10.14
5785MHz	Pass	6.01G	6.5G	PK	6.02672G	3.00	-50.63	-45.16	-49.92	-50.91	-42.41	-39.41	-27.00	-12.41
5825MHz	Pass	4.9G	5.31G	AV	5.1459G	3.00	-59.50	-59.74	-58.05	-59.32	-53.08	-50.08	-41.20	-8.88
5825MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-57.95	-57.29	-55.79	-55.35	-50.45	-47.45	-41.20	-6.25
5825MHz	Pass	4.9G	5.31G	PK	5.29575G	3.00	-50.34	-46.01	-48.45	-50.08	-42.33	-39.33	-27.00	-12.33
5825MHz	Pass	5.31G	5.47G	PK	5.32536G	3.00	-48.71	-47.68	-44.22	-48.81	-40.89	-37.89	-27.00	-10.89
5825MHz	Pass	5.47G	5.85G	PK	5.6353G	3.00	-46.50	-44.87	-47.11	-46.88	-40.23	-37.23	-27.00	-10.23
5825MHz	Pass	5.85G	6.01G	PK	5.9268G	3.00	-46.29	-43.26	-43.79	-47.49	-38.85	-35.85	-27.00	-8.85
5825MHz	Pass	6.01G	6.5G	PK	6.01606G	3.00	-50.85	-47.10	-45.60	-48.49	-41.59	-38.59	-27.00	-11.59
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.9G	5.31G	AV	5.14979G	3.00	-58.89	-58.61	-54.20	-56.86	-50.69	-47.69	-41.20	-6.49
5190MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-58.48	-58.98	-59.14	-59.18	-52.92	-49.92	-41.20	-8.72

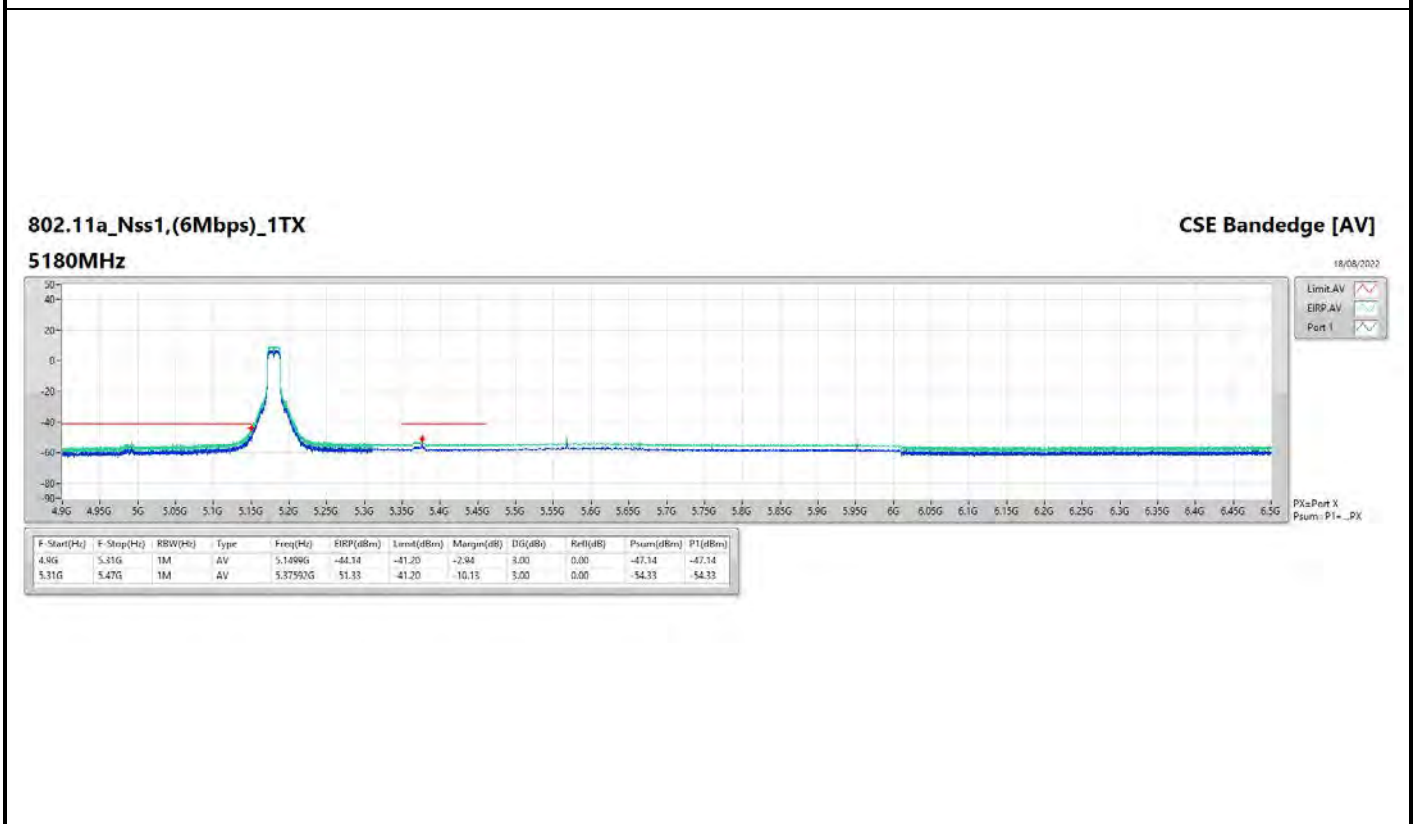
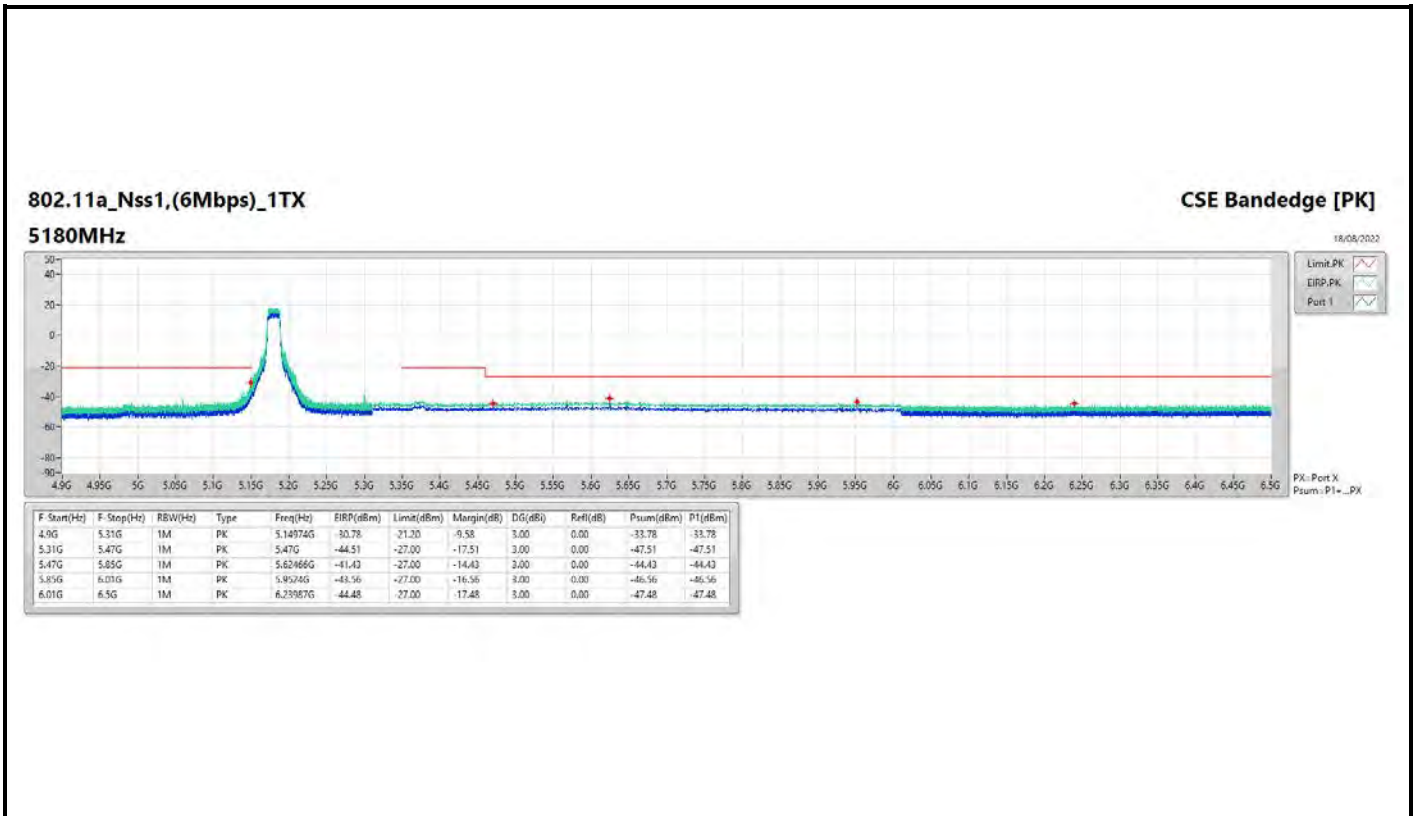


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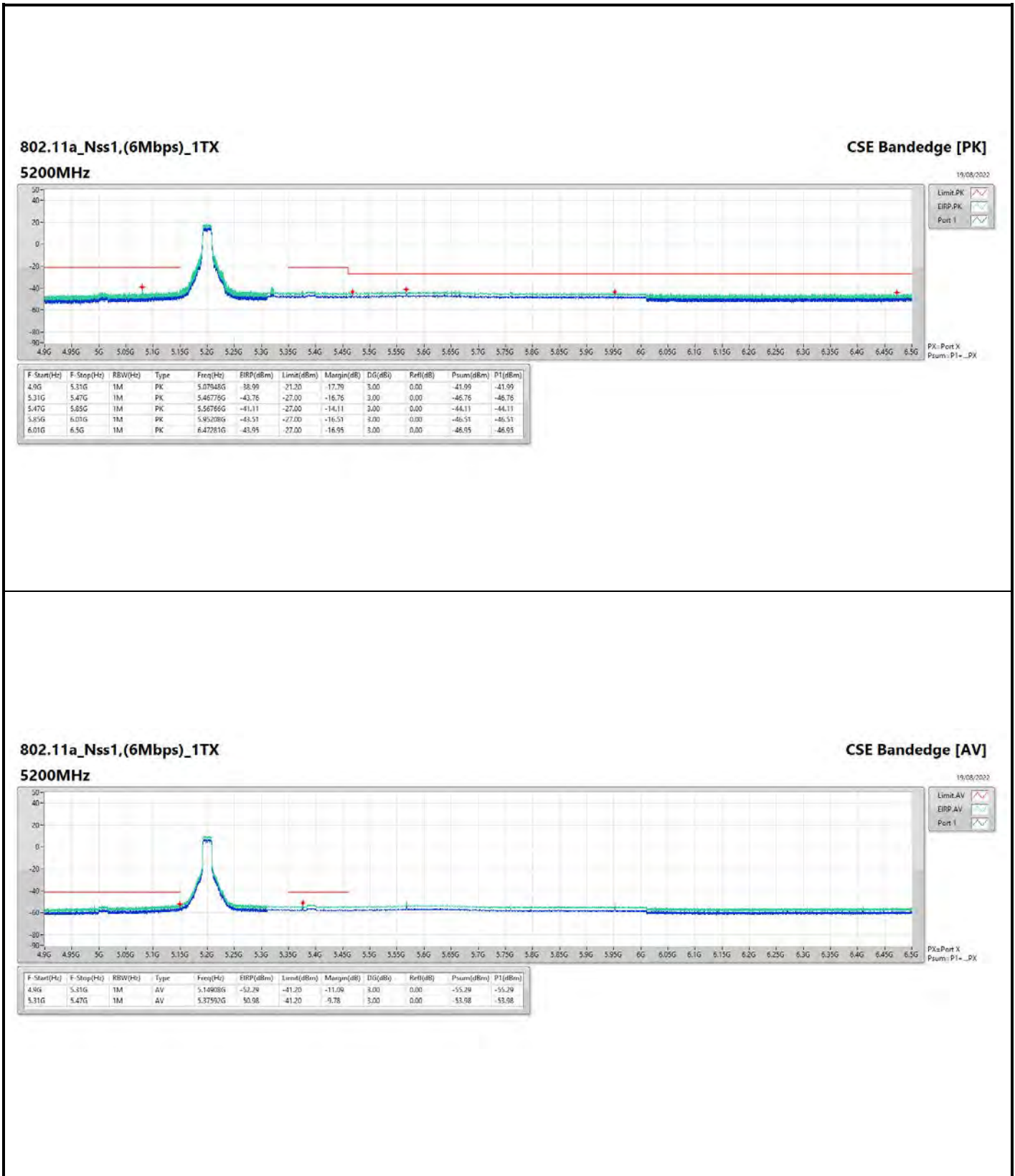
Appendix E.4

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	4.9G	5.31G	PK	5.15G	3.00	-48.32	-49.99	-44.33	-45.85	-40.57	-37.57	-21.20	-16.37
5190MHz	Pass	5.31G	5.47G	PK	5.46616G	3.00	-49.58	-49.82	-50.09	-49.73	-43.78	-40.78	-27.00	-13.78
5190MHz	Pass	5.47G	5.85G	PK	5.84012G	3.00	-49.69	-48.33	-49.41	-50.13	-43.32	-40.32	-27.00	-13.32
5190MHz	Pass	5.85G	6.01G	PK	5.89384G	3.00	-49.09	-49.83	-49.61	-49.76	-43.54	-40.54	-27.00	-13.54
5190MHz	Pass	6.01G	6.5G	PK	6.49492G	3.00	-50.03	-48.63	-49.21	-50.73	-43.56	-40.56	-27.00	-13.56
5230MHz	Pass	4.9G	5.31G	AV	5.14774G	3.00	-58.11	-59.28	-58.16	-58.98	-52.58	-49.58	-41.20	-8.38
5230MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-56.03	-57.36	-57.36	-56.74	-50.82	-47.82	-41.20	-6.62
5230MHz	Pass	4.9G	5.31G	PK	5.11161G	3.00	-42.03	-49.14	-50.92	-51.81	-40.48	-37.48	-21.20	-16.28
5230MHz	Pass	5.31G	5.47G	PK	5.46712G	3.00	-48.27	-48.34	-47.47	-49.97	-42.40	-39.40	-27.00	-12.40
5230MHz	Pass	5.47G	5.85G	PK	5.69914G	3.00	-48.16	-49.50	-47.26	-48.32	-42.22	-39.22	-27.00	-12.22
5230MHz	Pass	5.85G	6.01G	PK	5.88424G	3.00	-47.76	-48.87	-49.68	-48.86	-42.72	-39.72	-27.00	-12.72
5230MHz	Pass	6.01G	6.5G	PK	6.35459G	3.00	-47.08	-50.62	-50.04	-49.09	-42.97	-39.97	-27.00	-12.97
5755MHz	Pass	4.9G	5.31G	AV	5.14334G	3.00	-60.23	-59.18	-57.69	-59.63	-53.06	-50.06	-41.20	-8.86
5755MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-57.89	-56.83	-57.27	-55.65	-50.81	-47.81	-41.20	-6.61
5755MHz	Pass	4.9G	5.31G	PK	5.25993G	3.00	-49.64	-50.80	-45.28	-51.29	-42.50	-39.50	-27.00	-12.50
5755MHz	Pass	5.31G	5.47G	PK	5.46552G	3.00	-47.57	-46.15	-48.36	-49.67	-41.73	-38.73	-27.00	-11.73
5755MHz	Pass	5.47G	5.85G	PK	5.6353G	3.00	-37.61	-46.09	-47.03	-45.90	-36.13	-33.13	-27.00	-6.13
5755MHz	Pass	5.85G	6.01G	PK	5.93096G	3.00	-47.94	-45.38	-47.06	-47.78	-40.89	-37.89	-27.00	-10.89
5755MHz	Pass	6.01G	6.5G	PK	6.0522G	3.00	-50.86	-46.74	-49.71	-51.00	-43.19	-40.19	-27.00	-13.19
5795MHz	Pass	4.9G	5.31G	AV	5.12514G	3.00	-60.87	-59.68	-59.29	-58.57	-53.50	-50.50	-41.20	-9.30
5795MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-57.48	-56.78	-57.39	-55.09	-50.55	-47.55	-41.20	-6.35
5795MHz	Pass	4.9G	5.31G	PK	5.30083G	3.00	-49.60	-45.48	-49.12	-50.15	-42.13	-39.13	-27.00	-12.13
5795MHz	Pass	5.31G	5.47G	PK	5.34296G	3.00	-50.55	-48.00	-46.65	-47.10	-41.82	-38.82	-27.00	-11.82
5795MHz	Pass	5.47G	5.85G	PK	5.61706G	3.00	-47.45	-44.88	-46.79	-46.67	-40.32	-37.32	-27.00	-10.32
5795MHz	Pass	5.85G	6.01G	PK	5.92808G	3.00	-47.00	-47.02	-44.43	-48.87	-40.51	-37.51	-27.00	-10.51
5795MHz	Pass	6.01G	6.5G	PK	6.01606G	3.00	-51.16	-49.98	-47.12	-47.67	-42.66	-39.66	-27.00	-12.66
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.9G	5.31G	AV	5.14774G	3.00	-56.00	-57.91	-55.06	-57.56	-50.46	-47.46	-41.20	-6.26
5210MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-58.91	-59.37	-59.18	-57.76	-52.74	-49.74	-41.20	-8.54
5210MHz	Pass	4.9G	5.31G	PK	5.14574G	3.00	-48.68	-47.70	-46.40	-47.09	-41.37	-38.37	-21.20	-17.17
5210MHz	Pass	5.31G	5.47G	PK	5.4636G	3.00	-50.00	-50.25	-48.79	-48.86	-43.41	-40.41	-27.00	-13.41
5210MHz	Pass	5.47G	5.85G	PK	5.64822G	3.00	-47.48	-49.82	-48.27	-49.11	-42.56	-39.56	-27.00	-12.56
5210MHz	Pass	5.85G	6.01G	PK	5.96072G	3.00	-50.00	-50.13	-48.29	-49.40	-43.37	-40.37	-27.00	-13.37
5210MHz	Pass	6.01G	6.5G	PK	6.46821G	3.00	-50.92	-50.14	-46.93	-51.68	-43.48	-40.48	-27.00	-13.48
5775MHz	Pass	4.9G	5.31G	AV	5.14221G	3.00	-60.49	-59.41	-59.23	-61.39	-54.02	-51.02	-41.20	-9.82
5775MHz	Pass	5.31G	5.47G	AV	5.37592G	3.00	-57.92	-58.92	-57.62	-56.95	-51.78	-48.78	-41.20	-7.58
5775MHz	Pass	4.9G	5.31G	PK	5.29939G	3.00	-49.54	-50.91	-46.18	-49.75	-42.68	-39.68	-27.00	-12.68
5775MHz	Pass	5.31G	5.47G	PK	5.4684G	3.00	-50.12	-47.30	-46.91	-49.75	-42.27	-39.27	-27.00	-12.27
5775MHz	Pass	5.47G	5.85G	PK	5.64822G	3.00	-48.05	-41.98	-44.64	-40.70	-37.02	-34.02	-27.00	-7.02
5775MHz	Pass	5.85G	6.01G	PK	5.92744G	3.00	-47.36	-46.45	-45.72	-44.08	-39.71	-36.71	-27.00	-9.71
5775MHz	Pass	6.01G	6.5G	PK	6.01564G	3.00	-49.18	-49.48	-47.65	-50.33	-43.03	-40.03	-27.00	-13.03

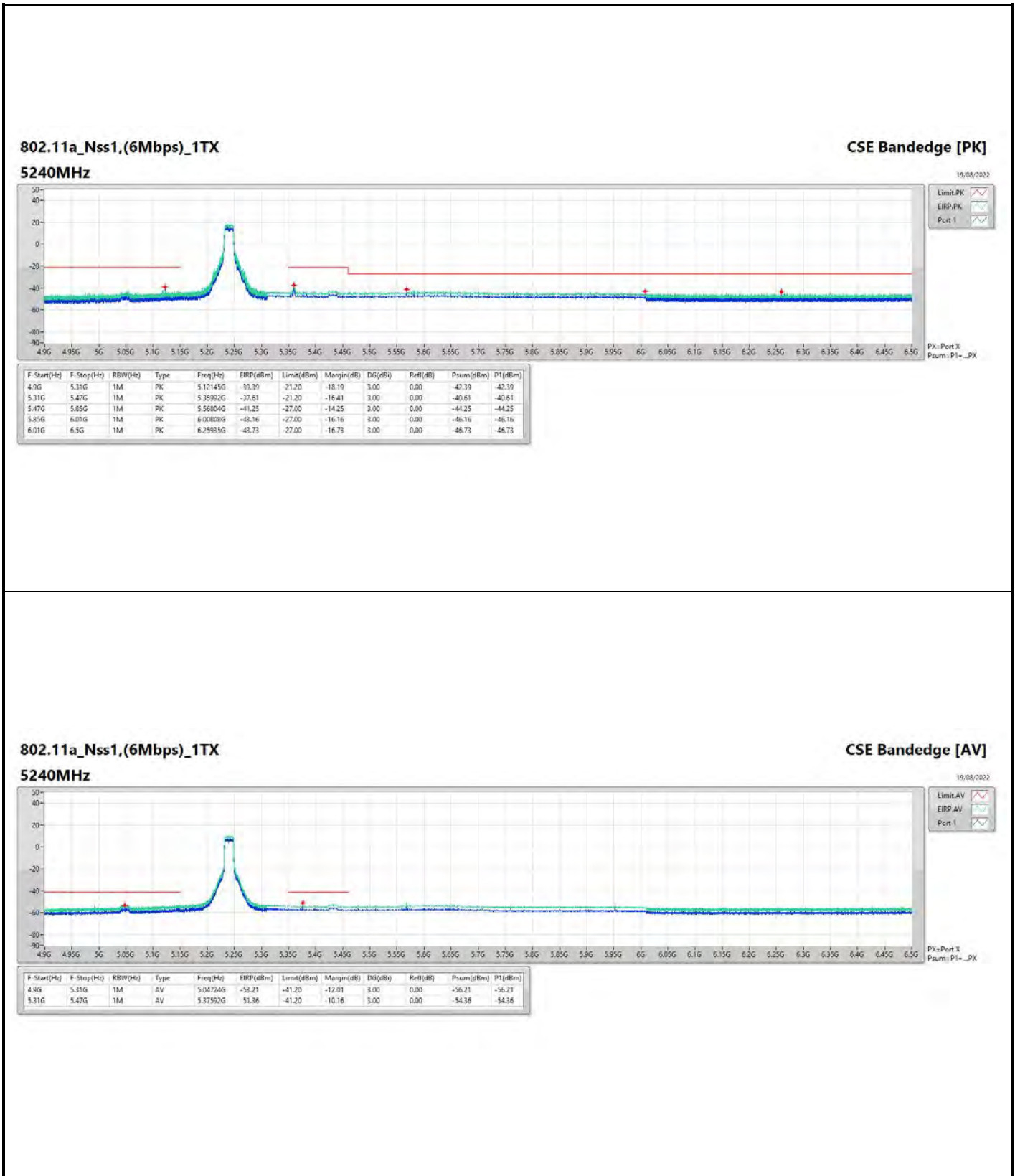
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

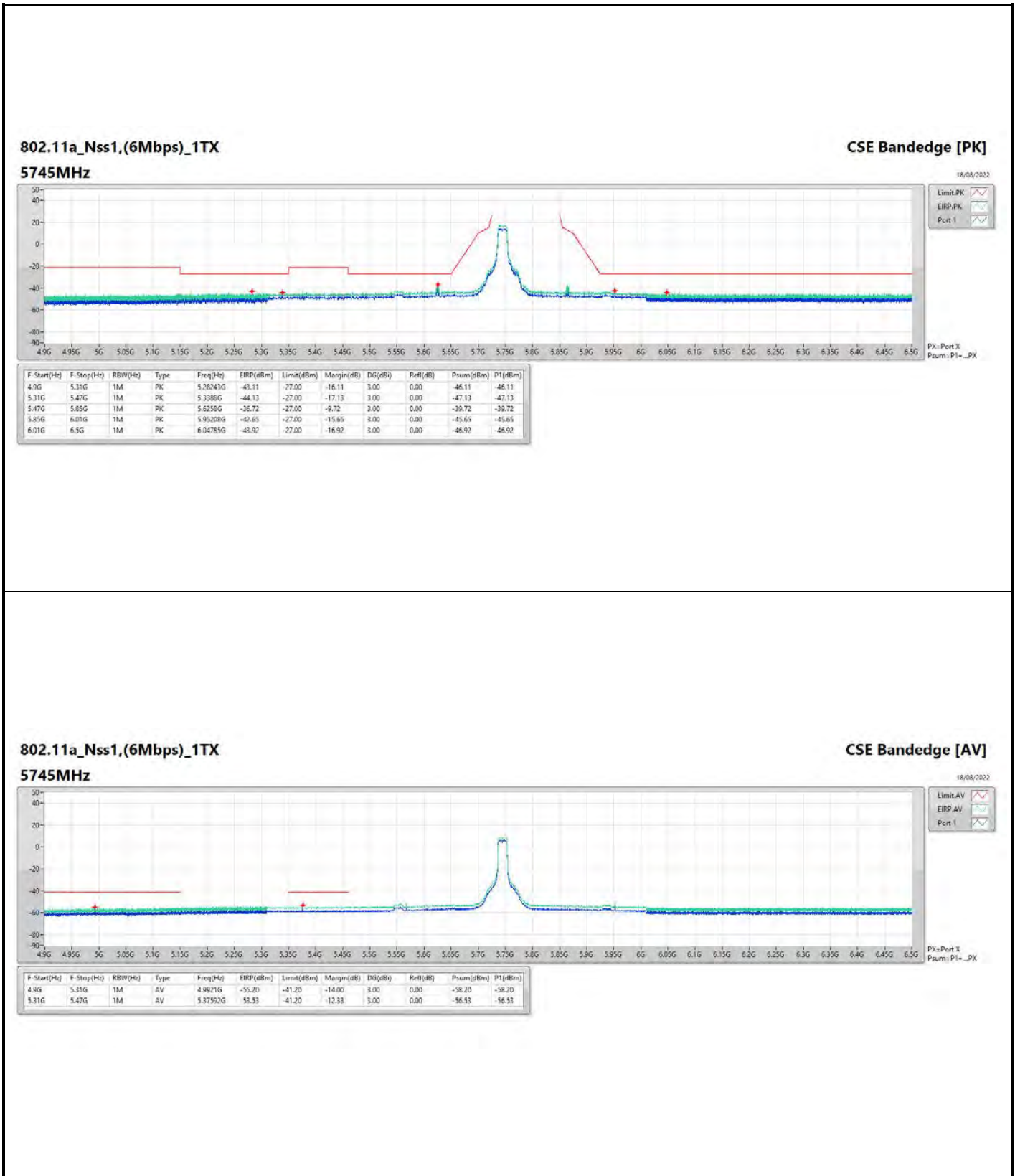


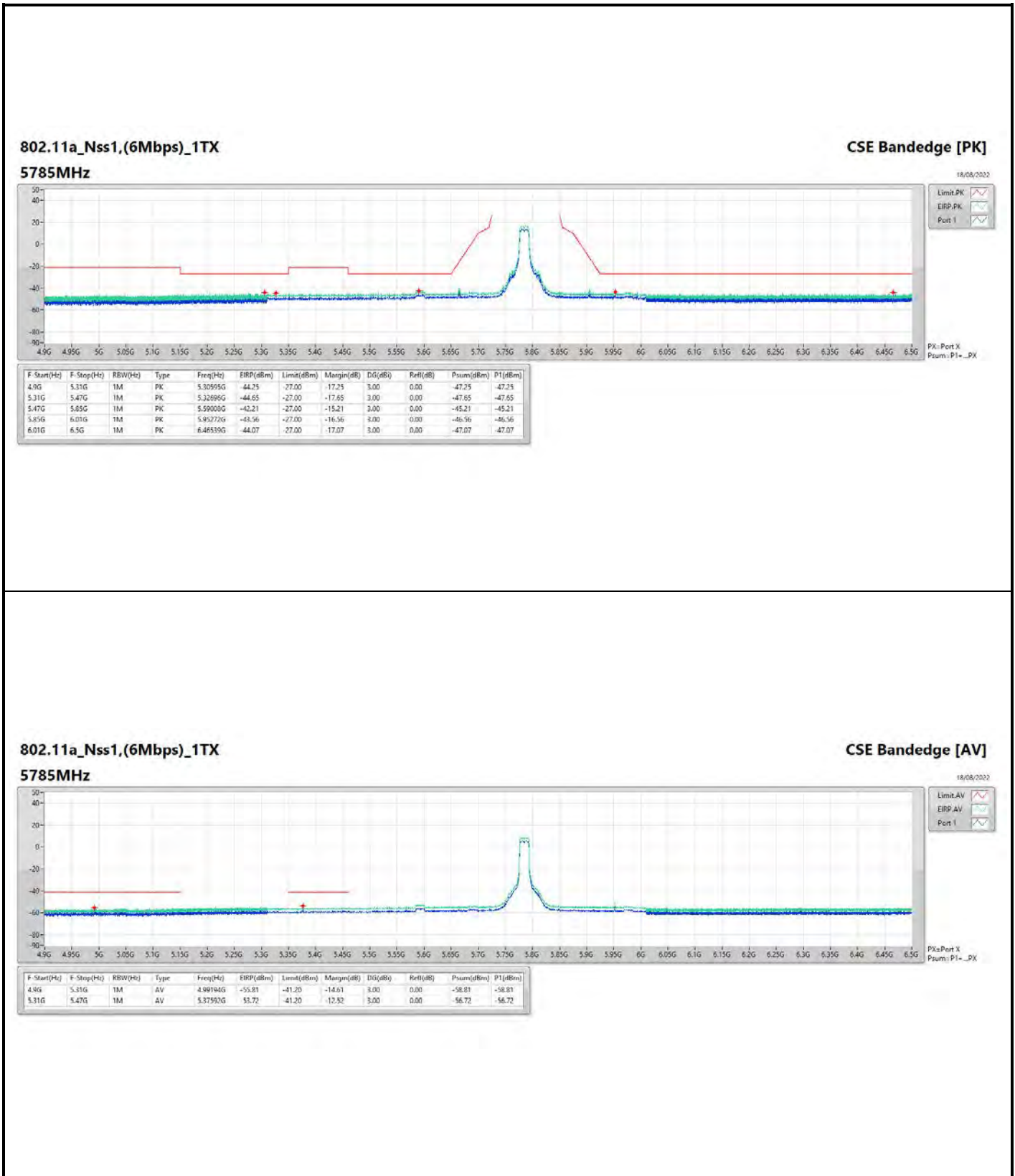


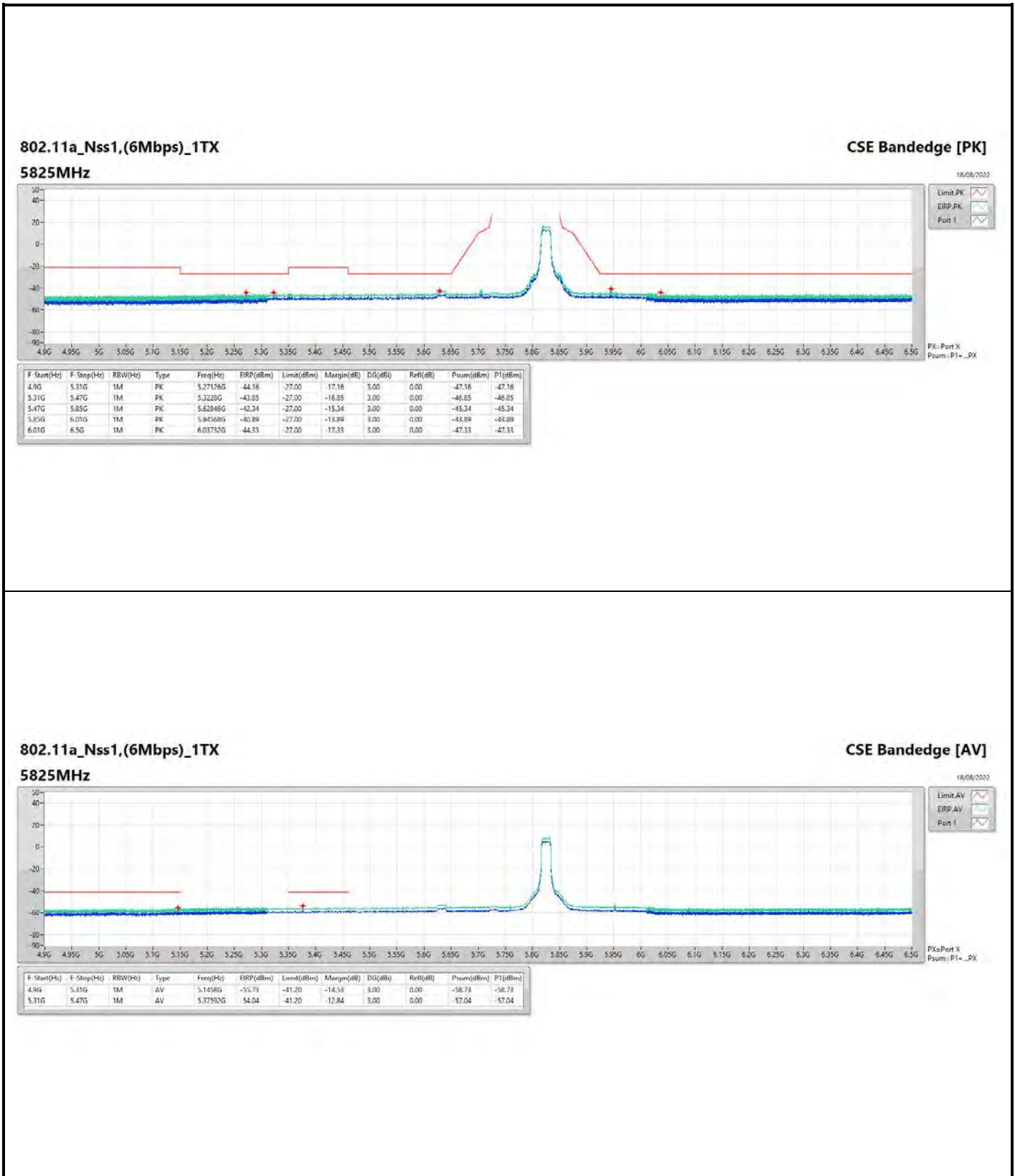




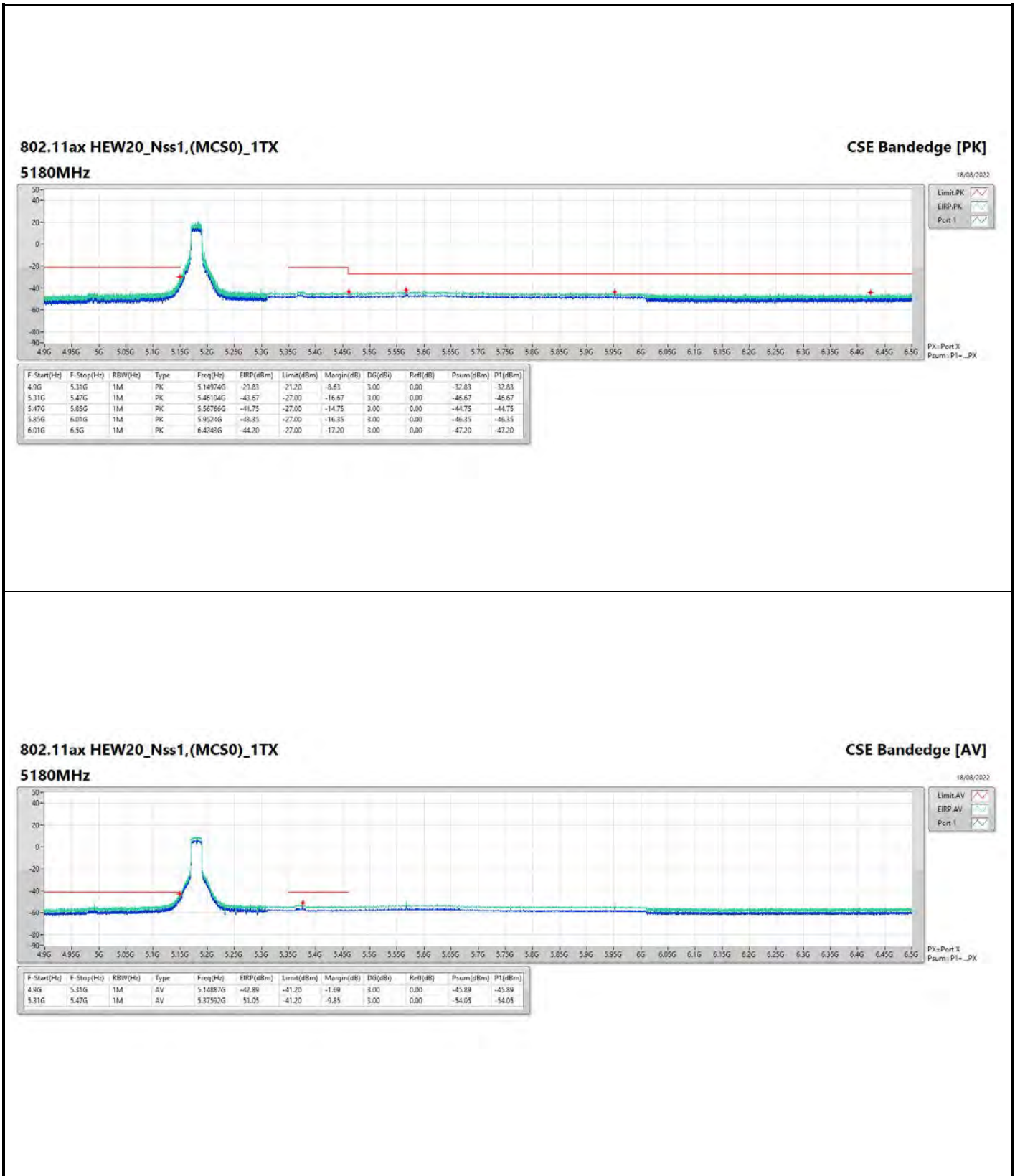


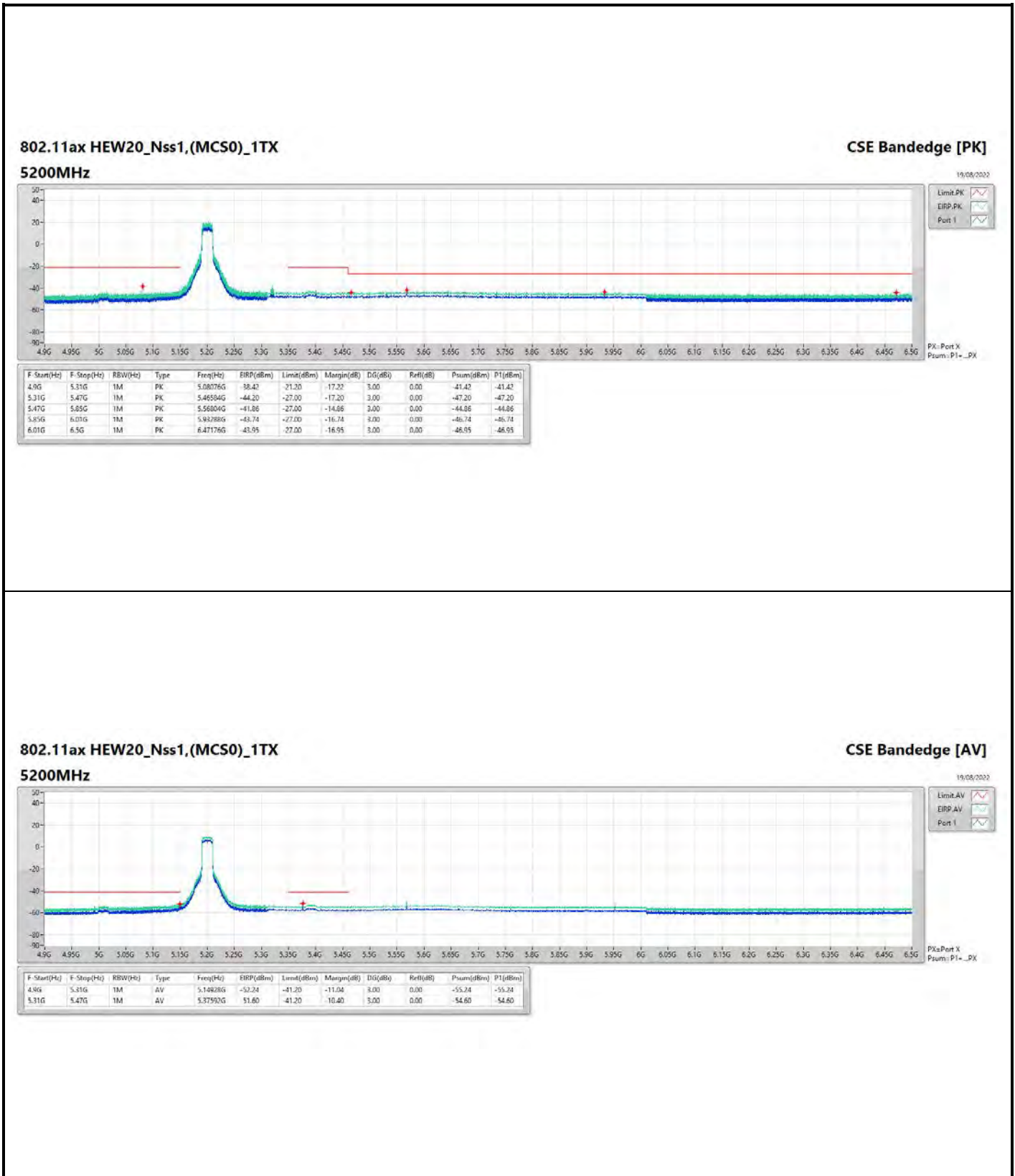


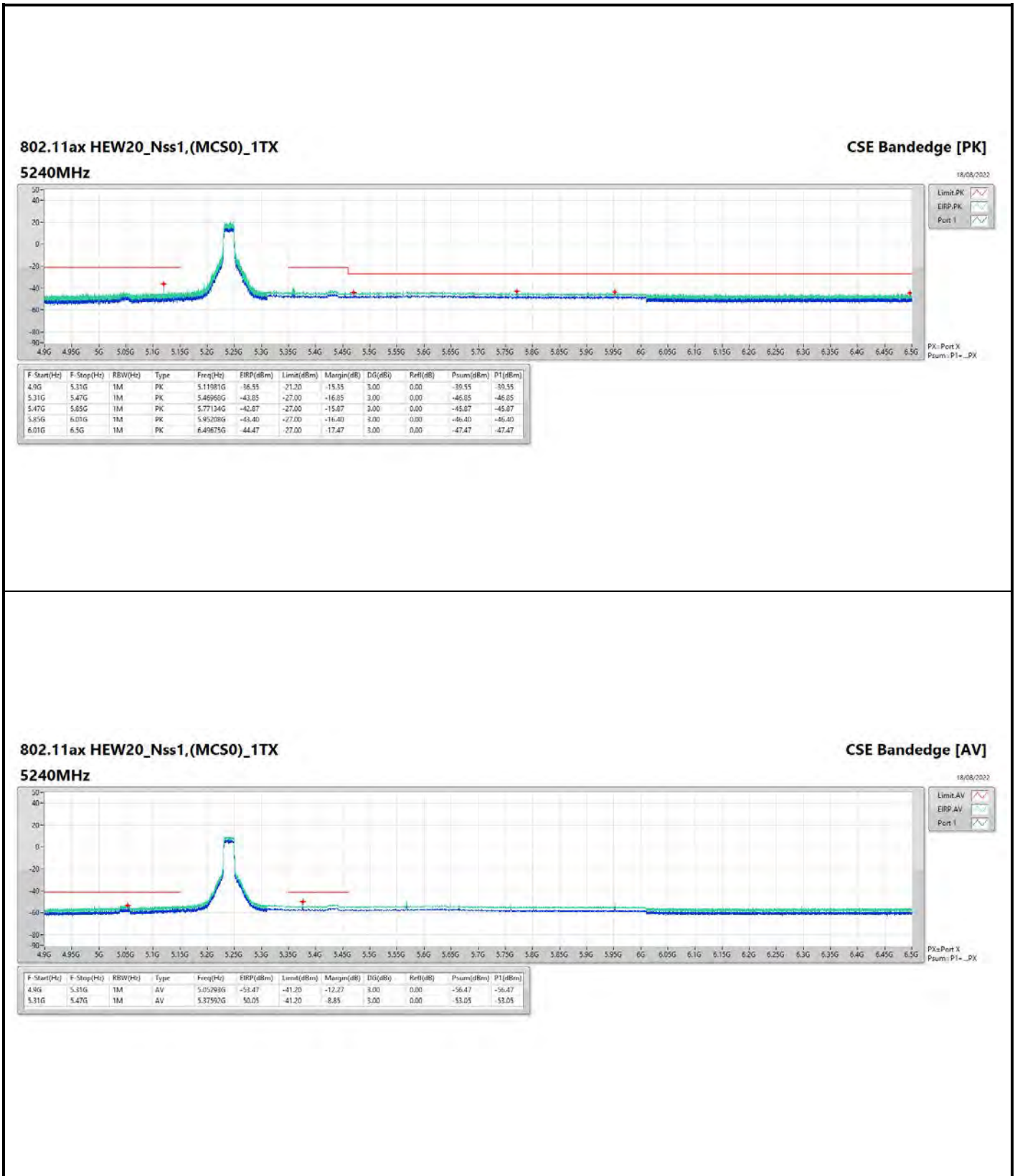




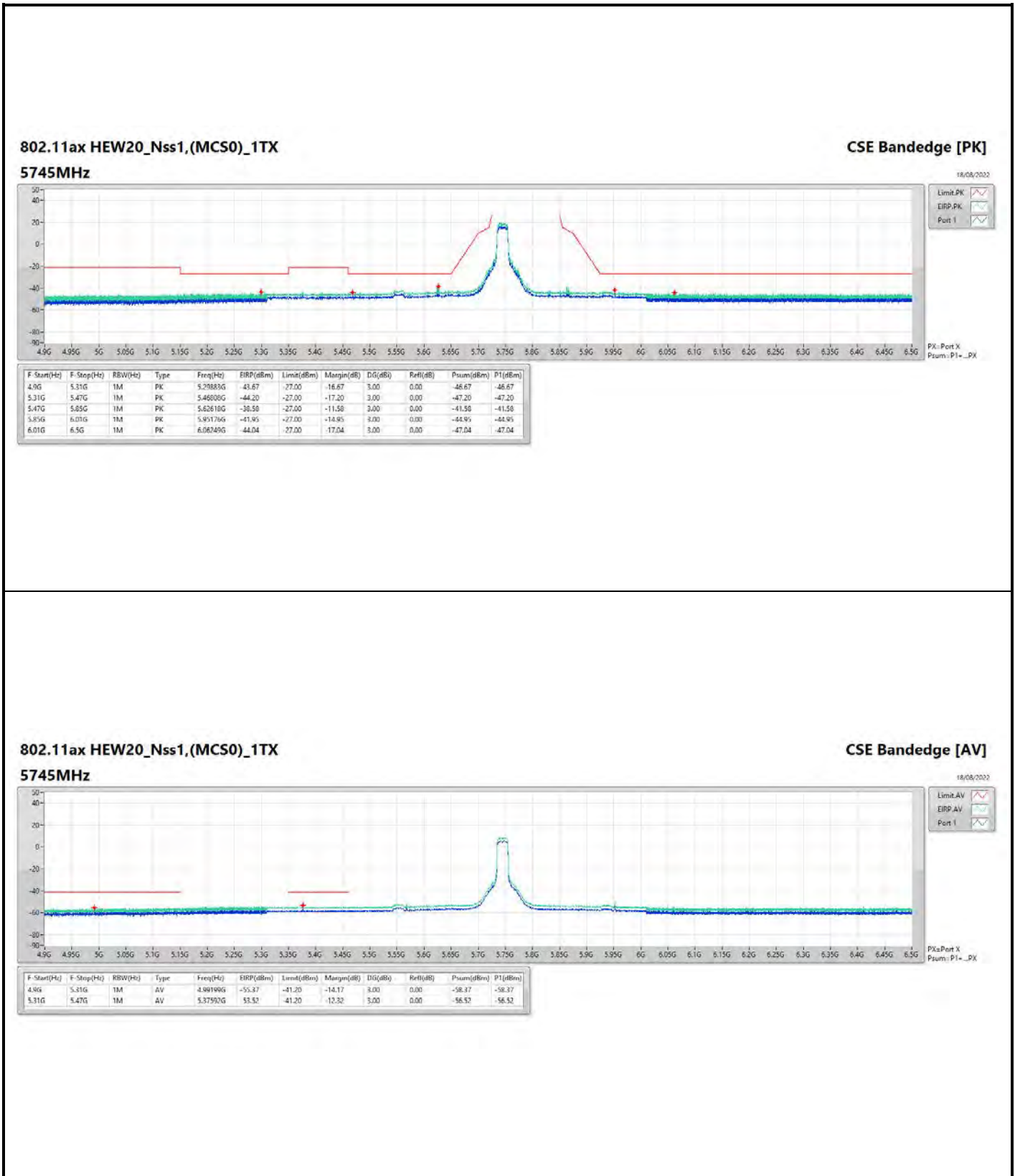


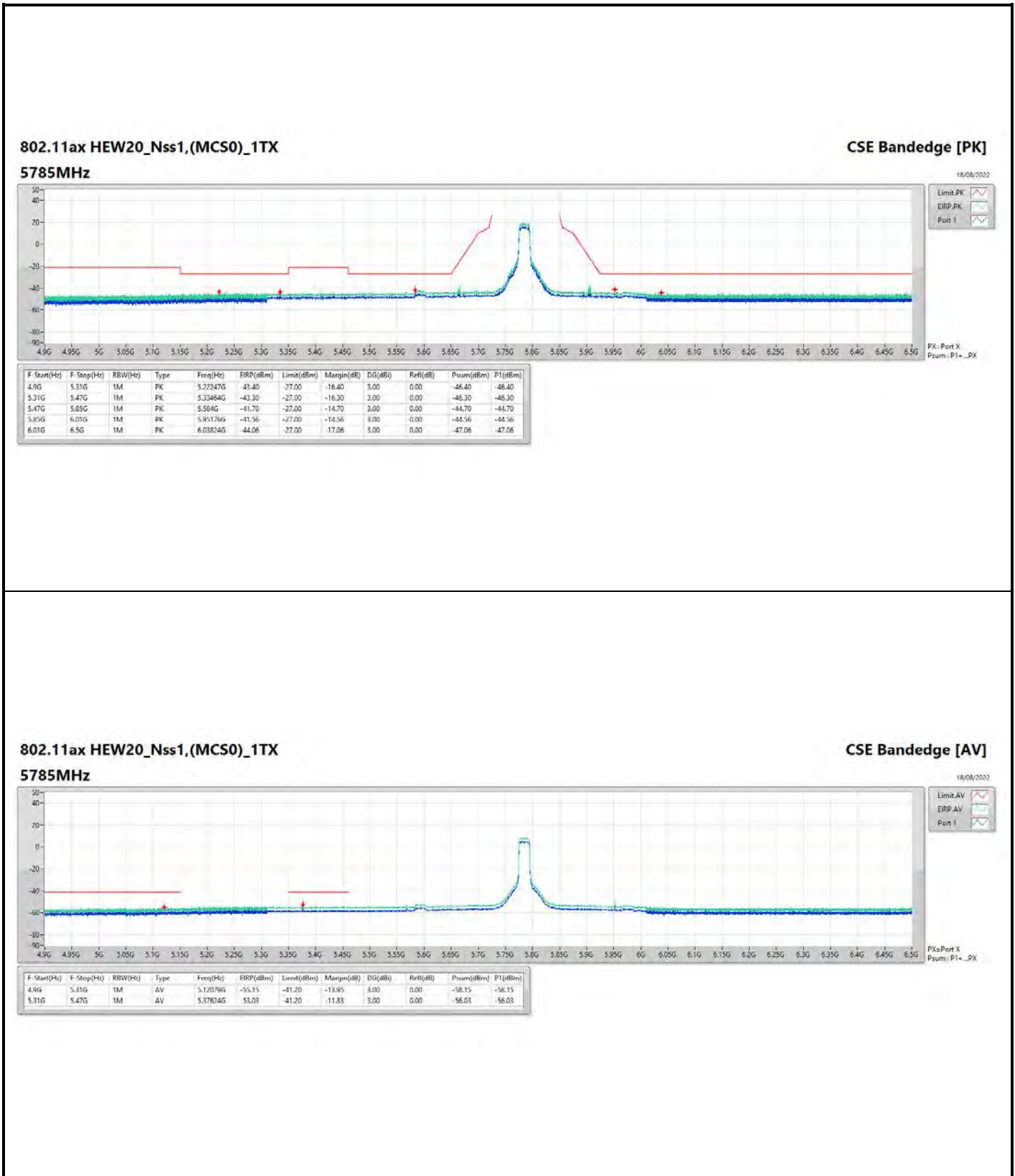


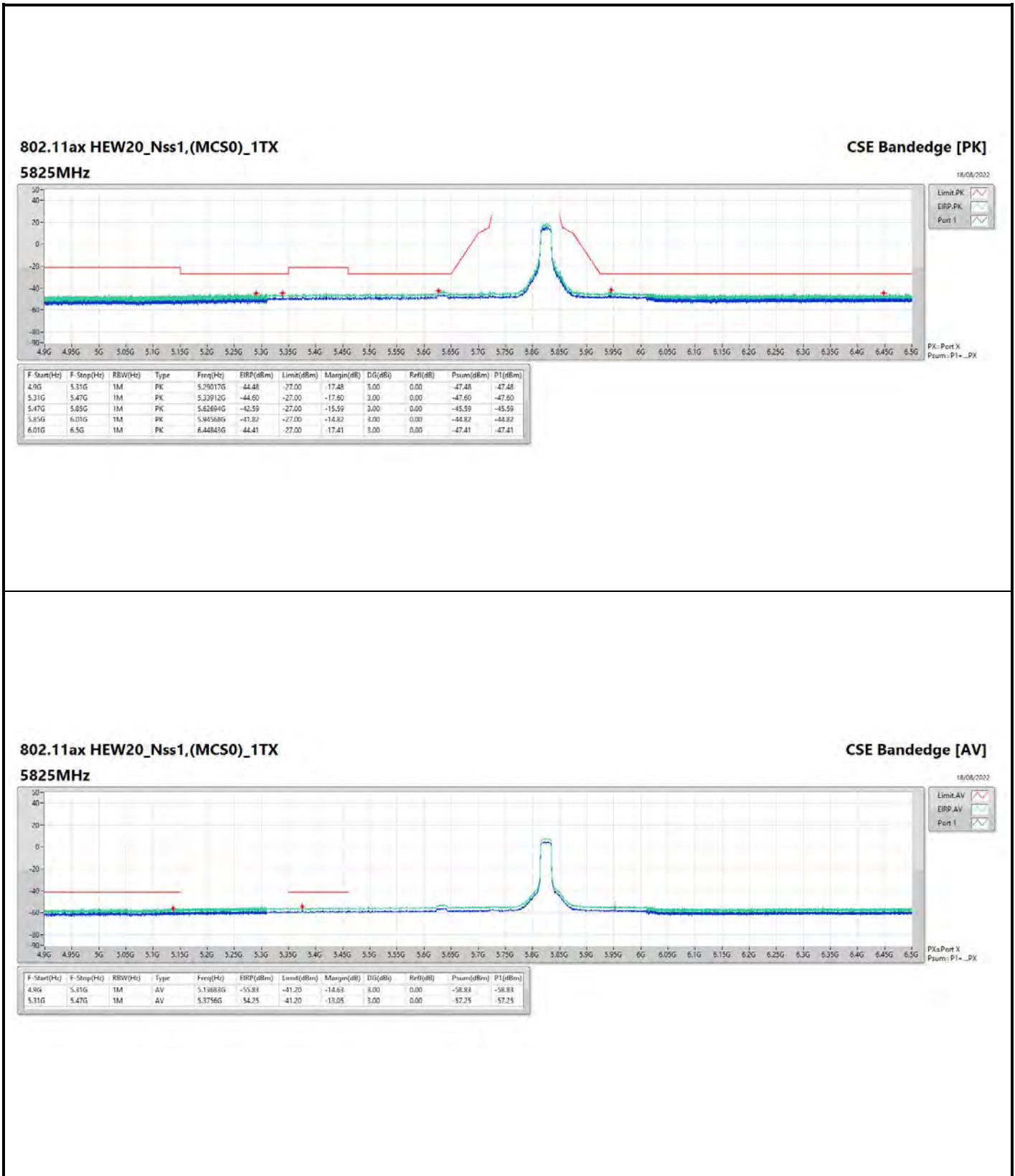


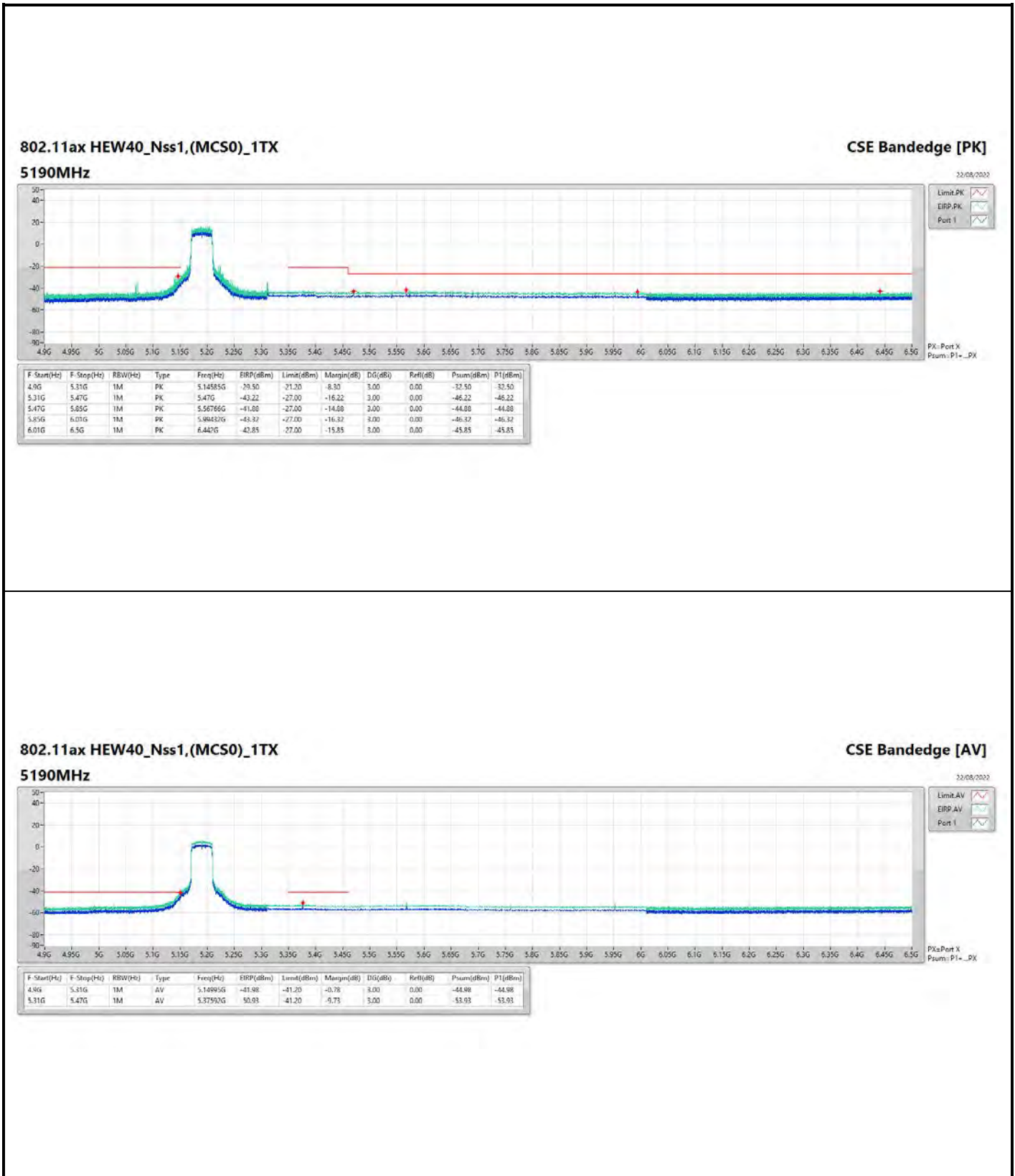




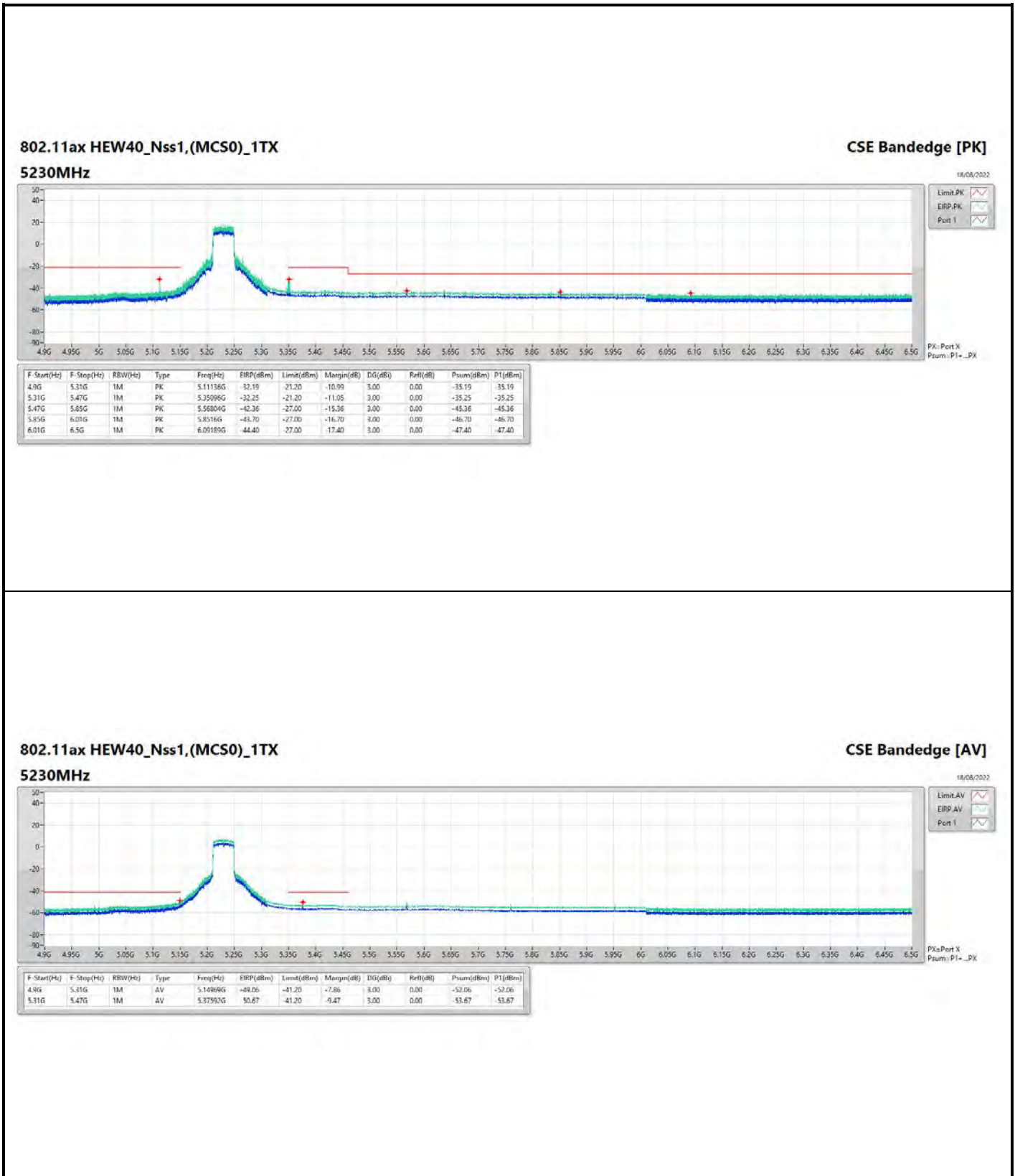


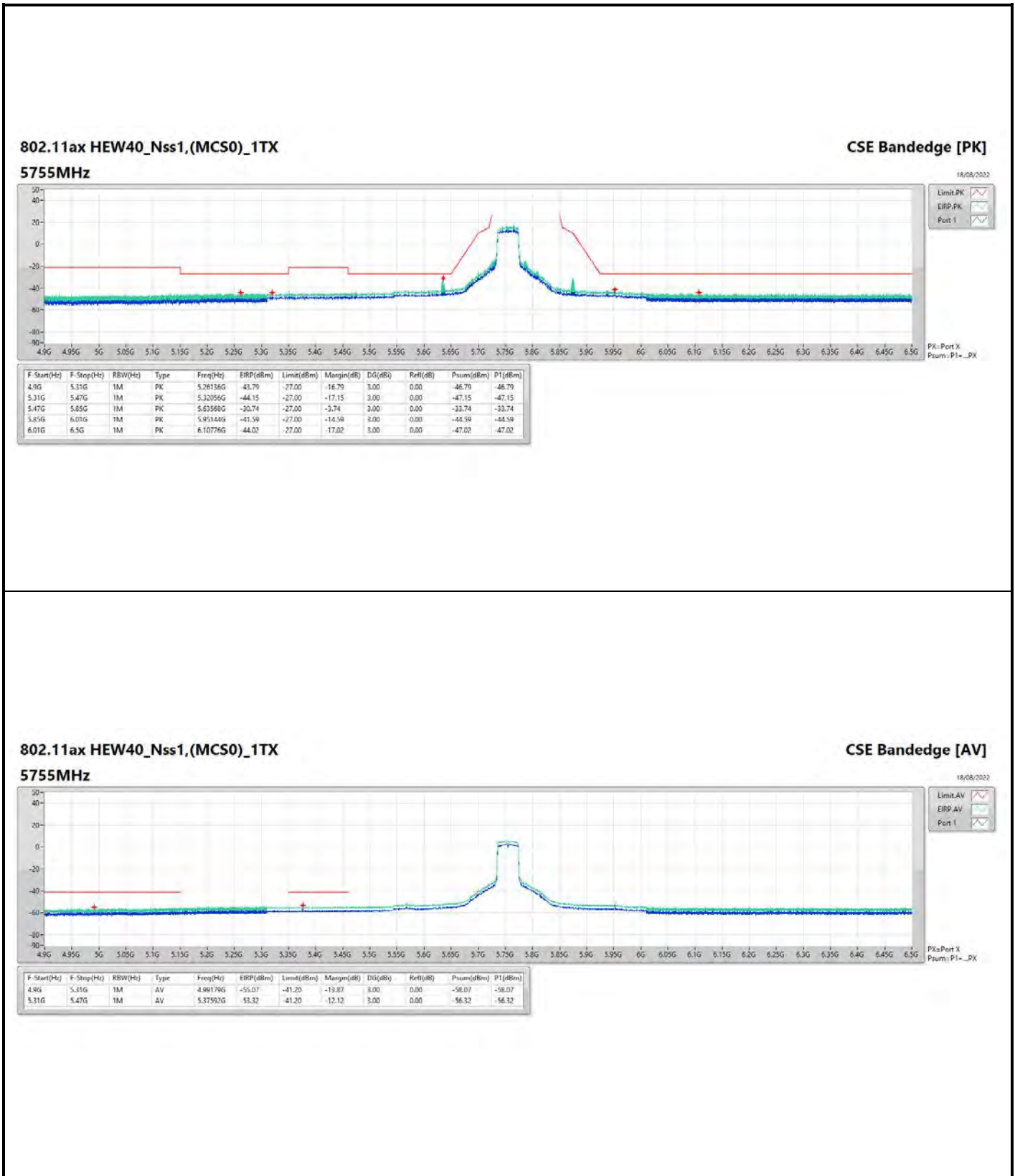


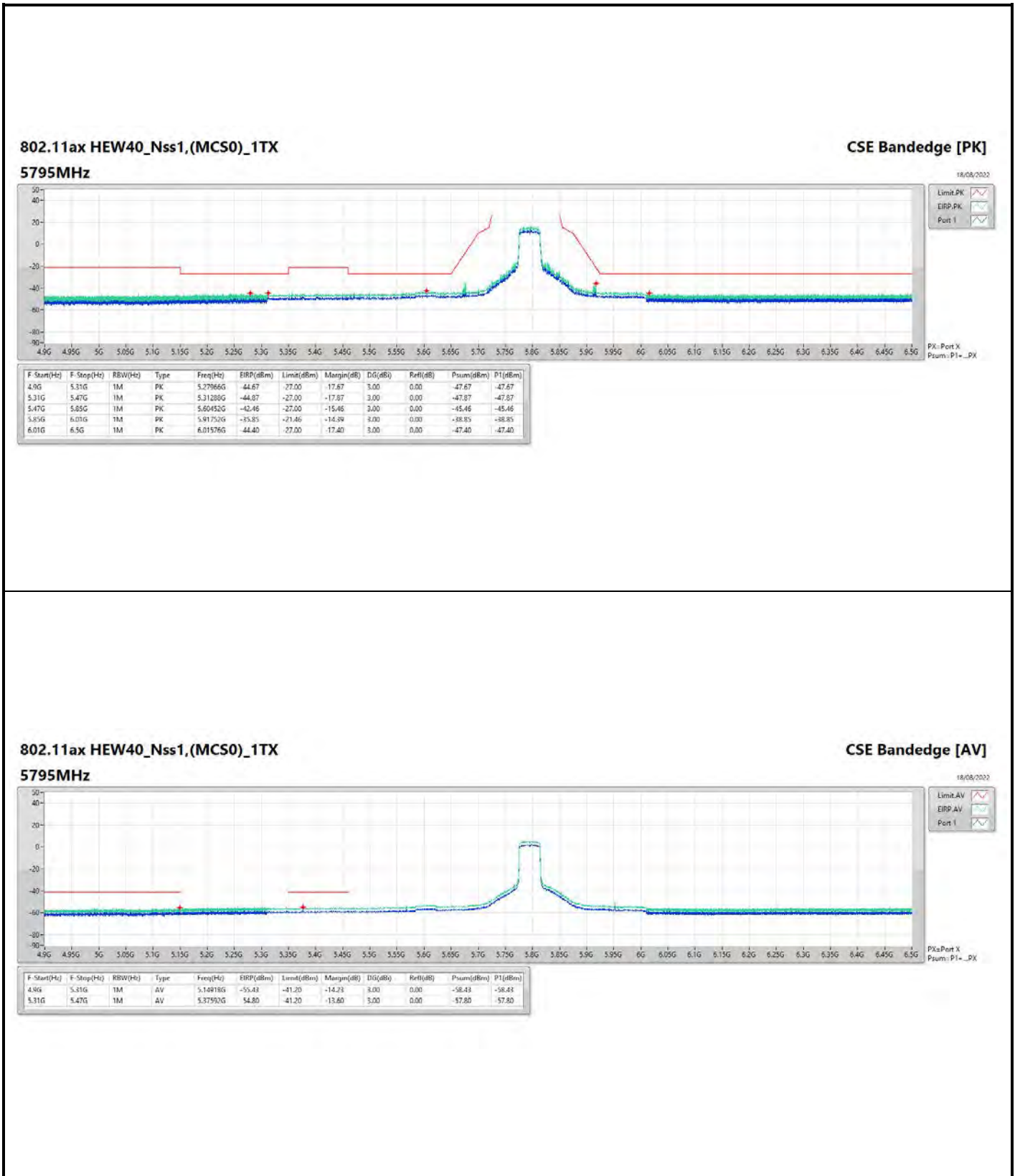




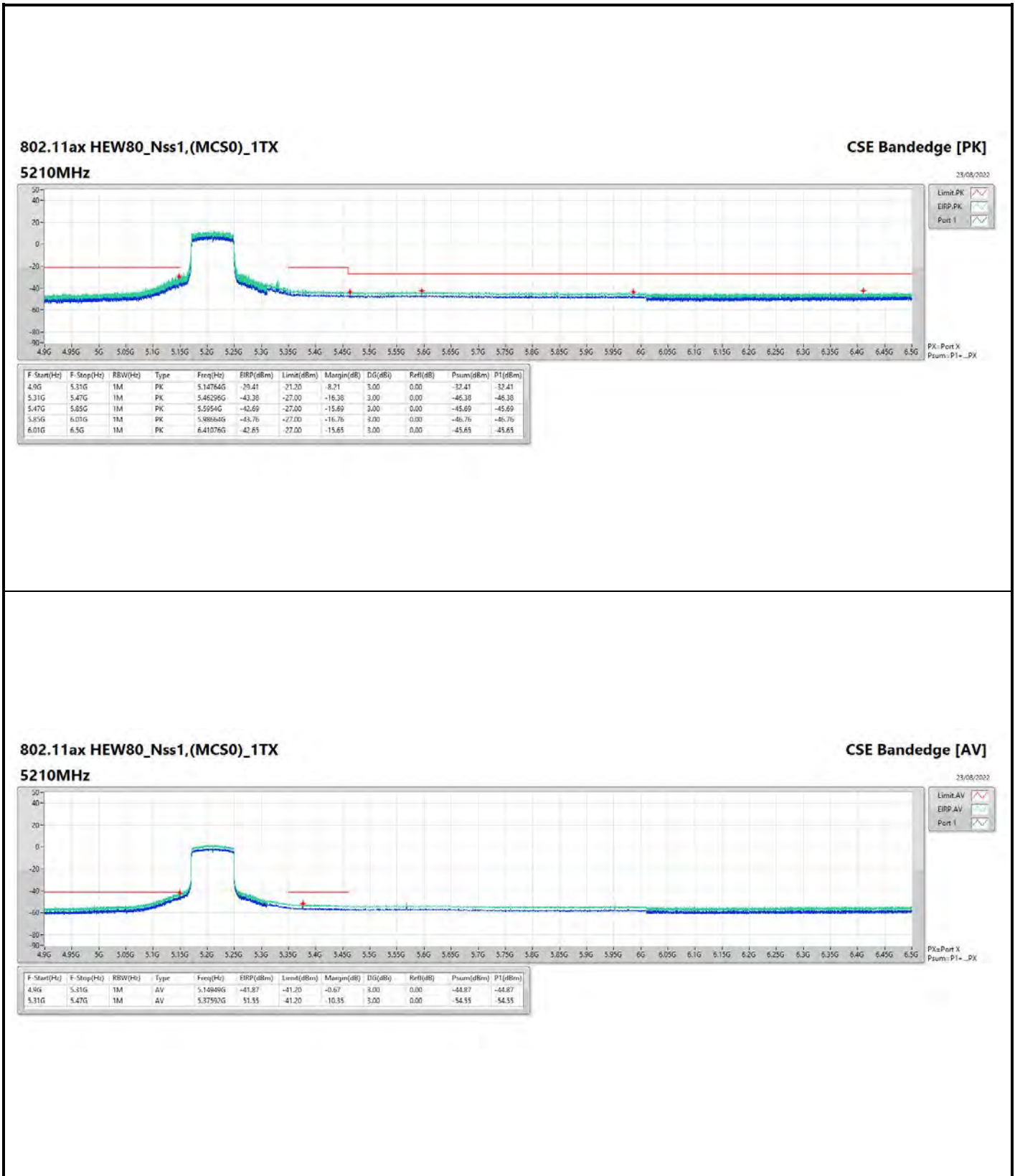


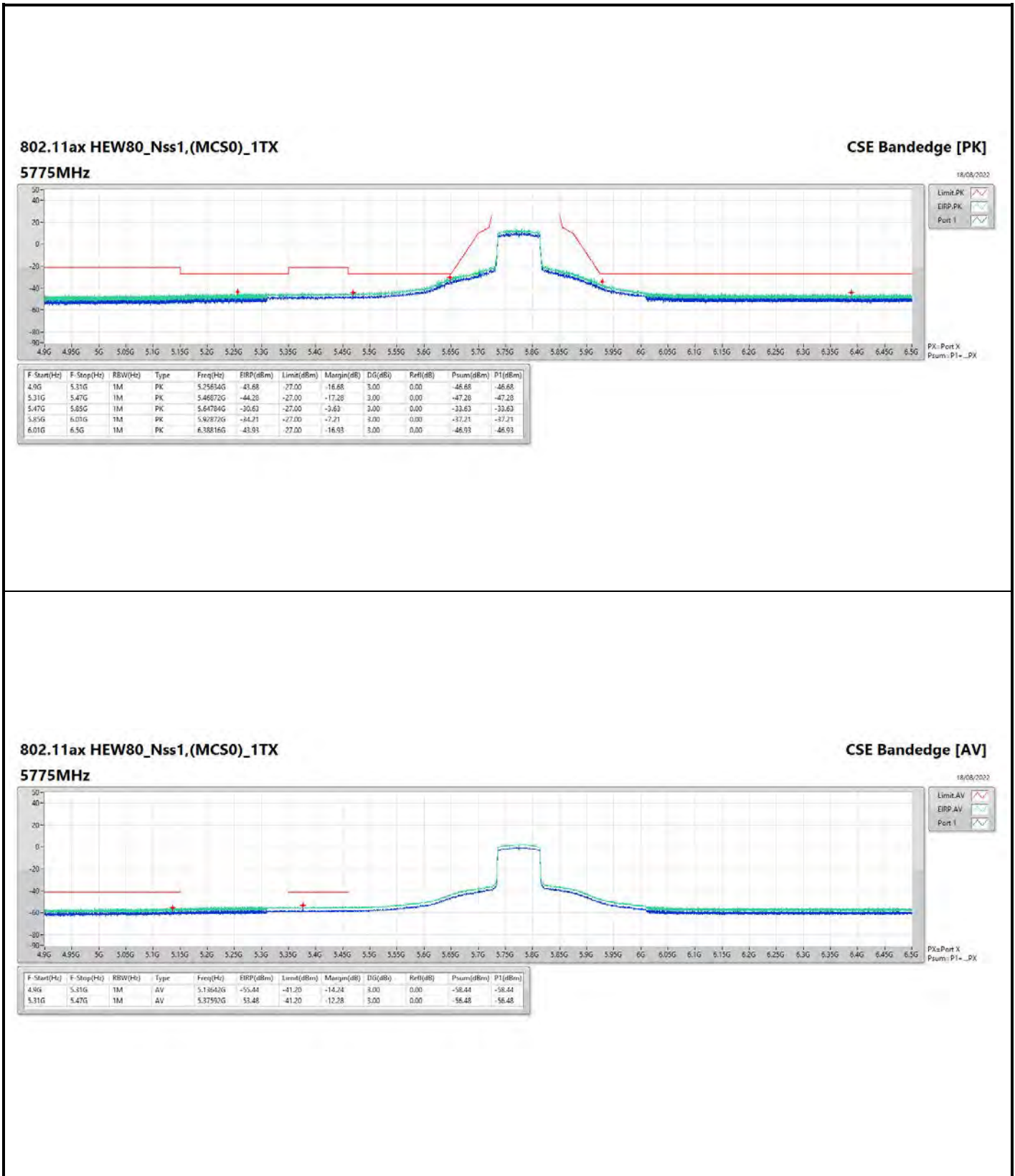


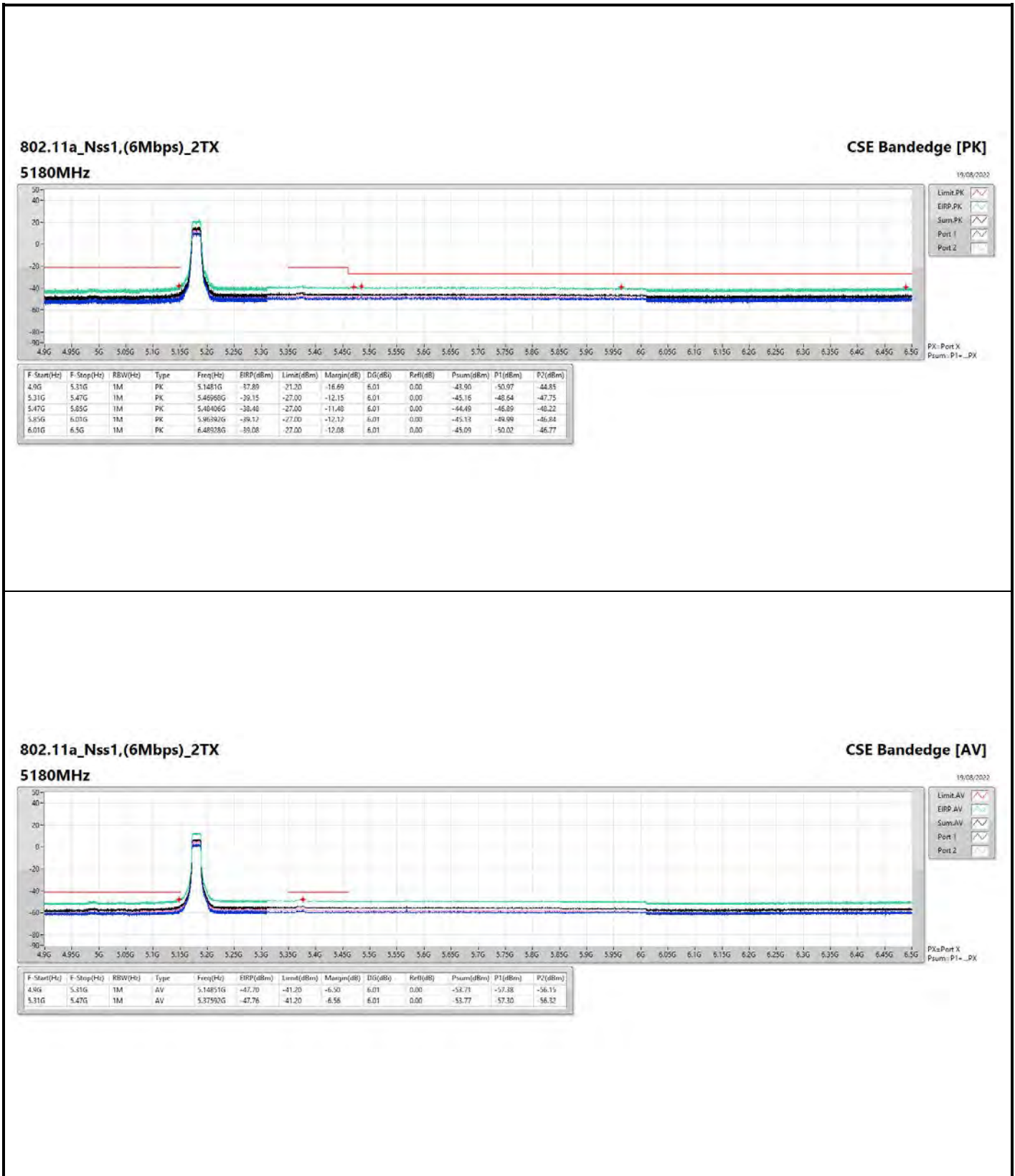


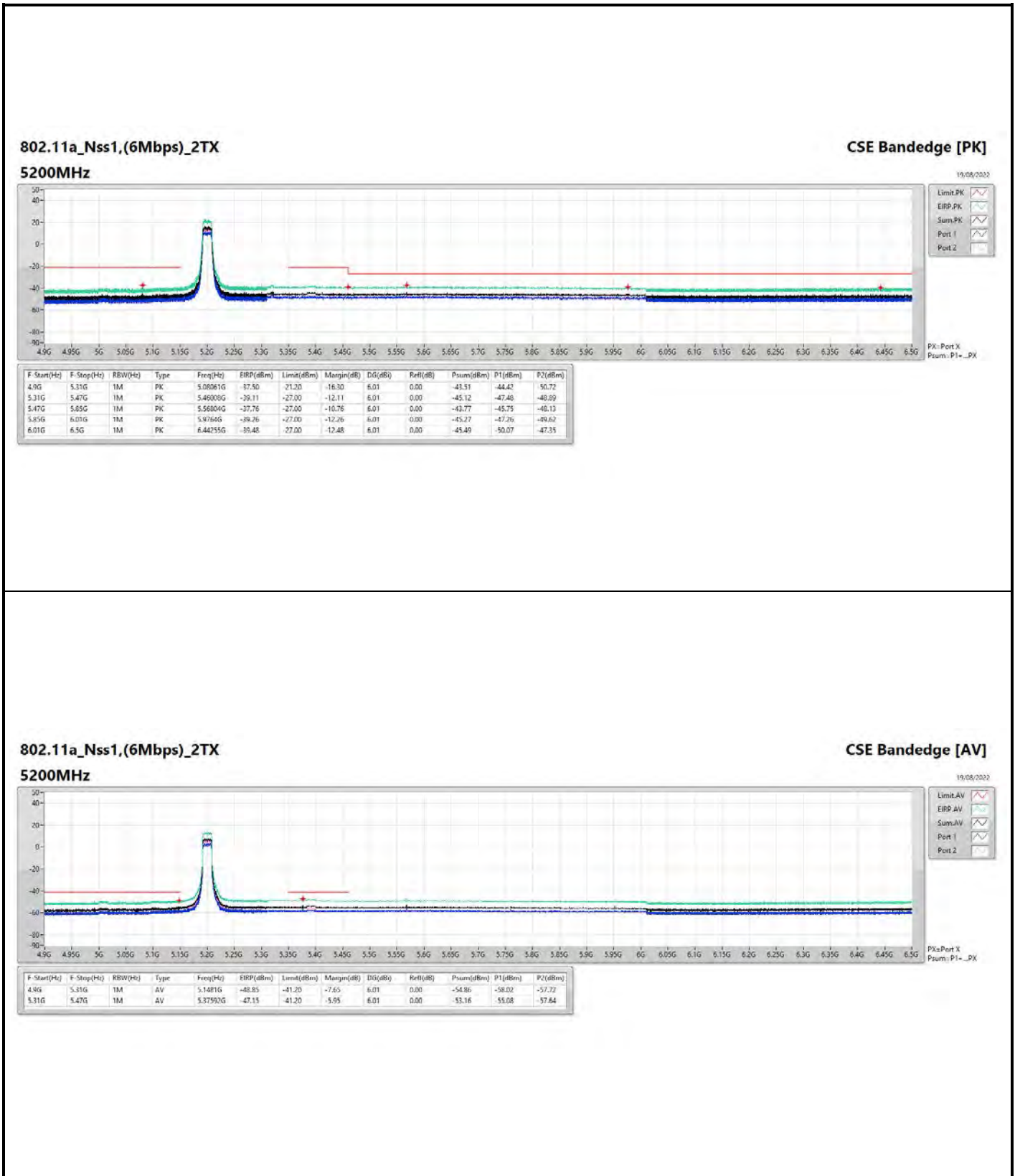




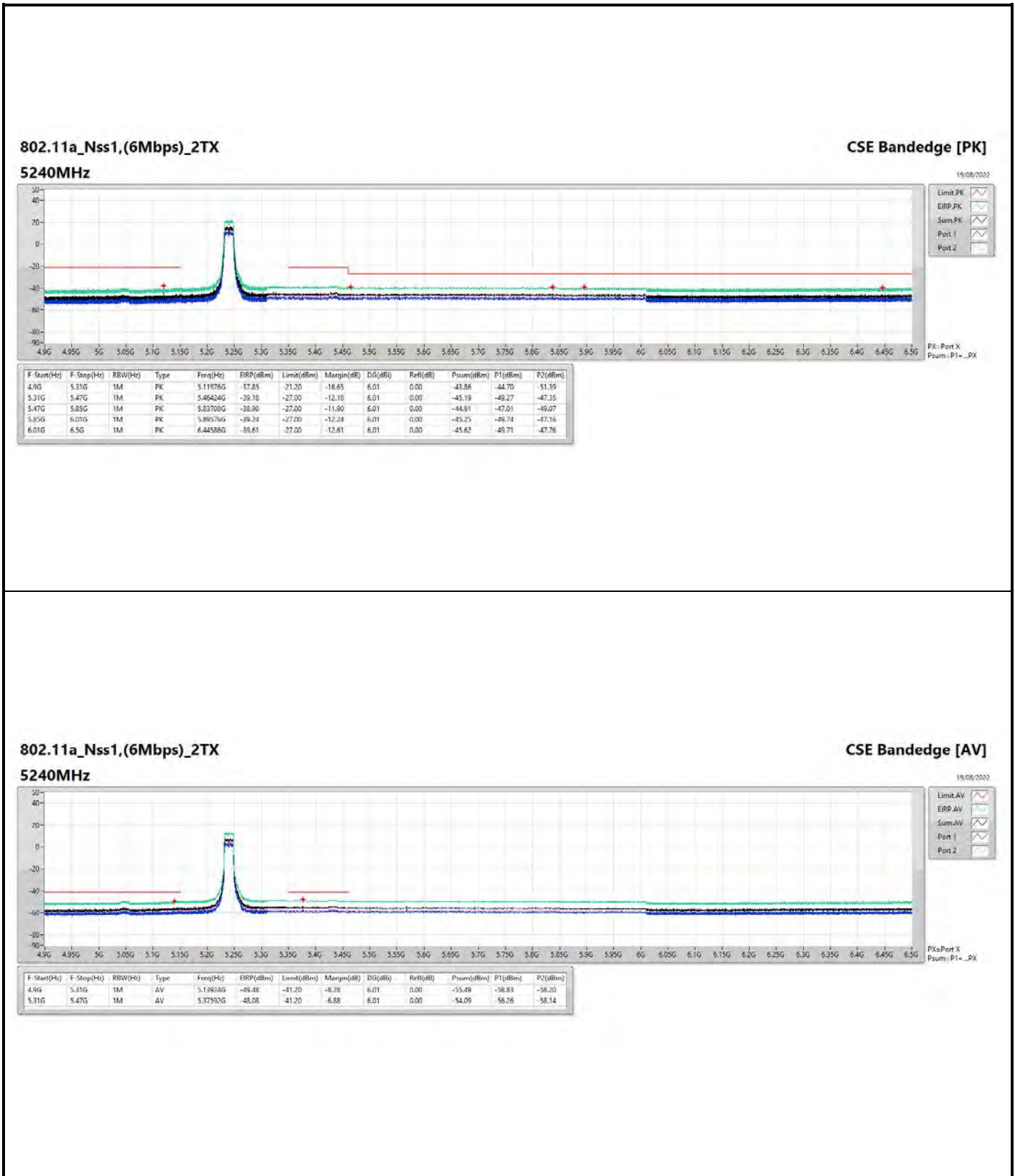


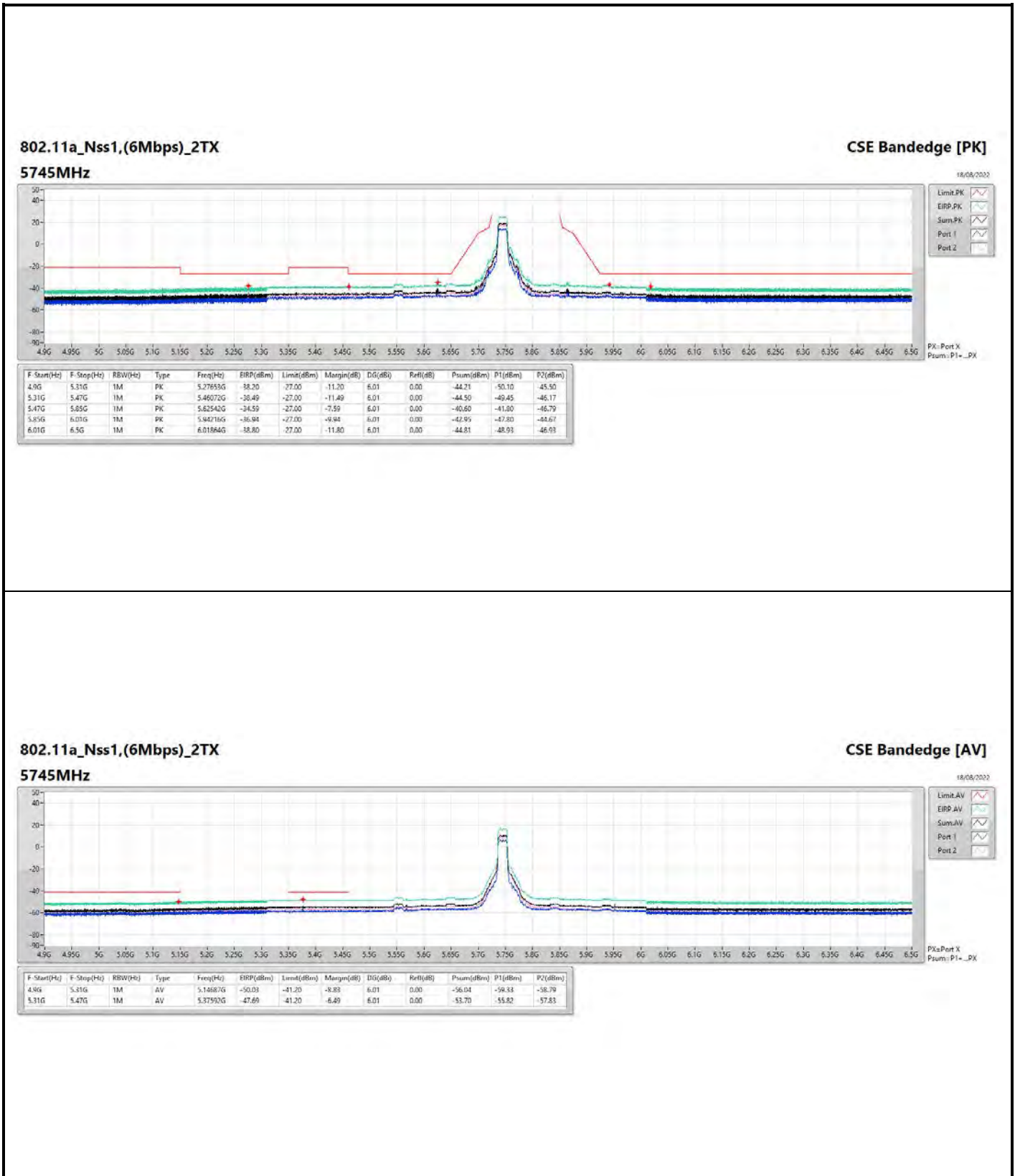


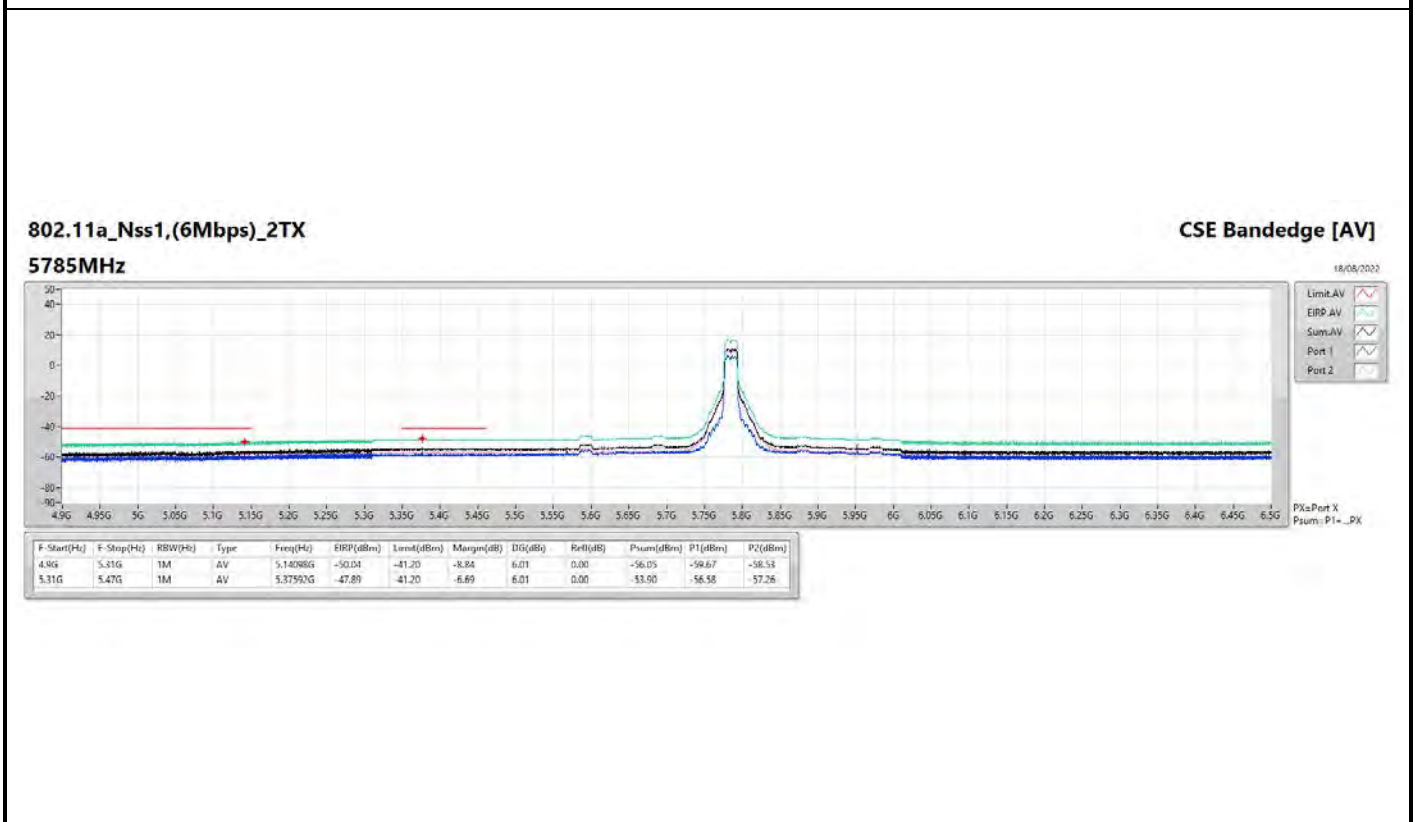
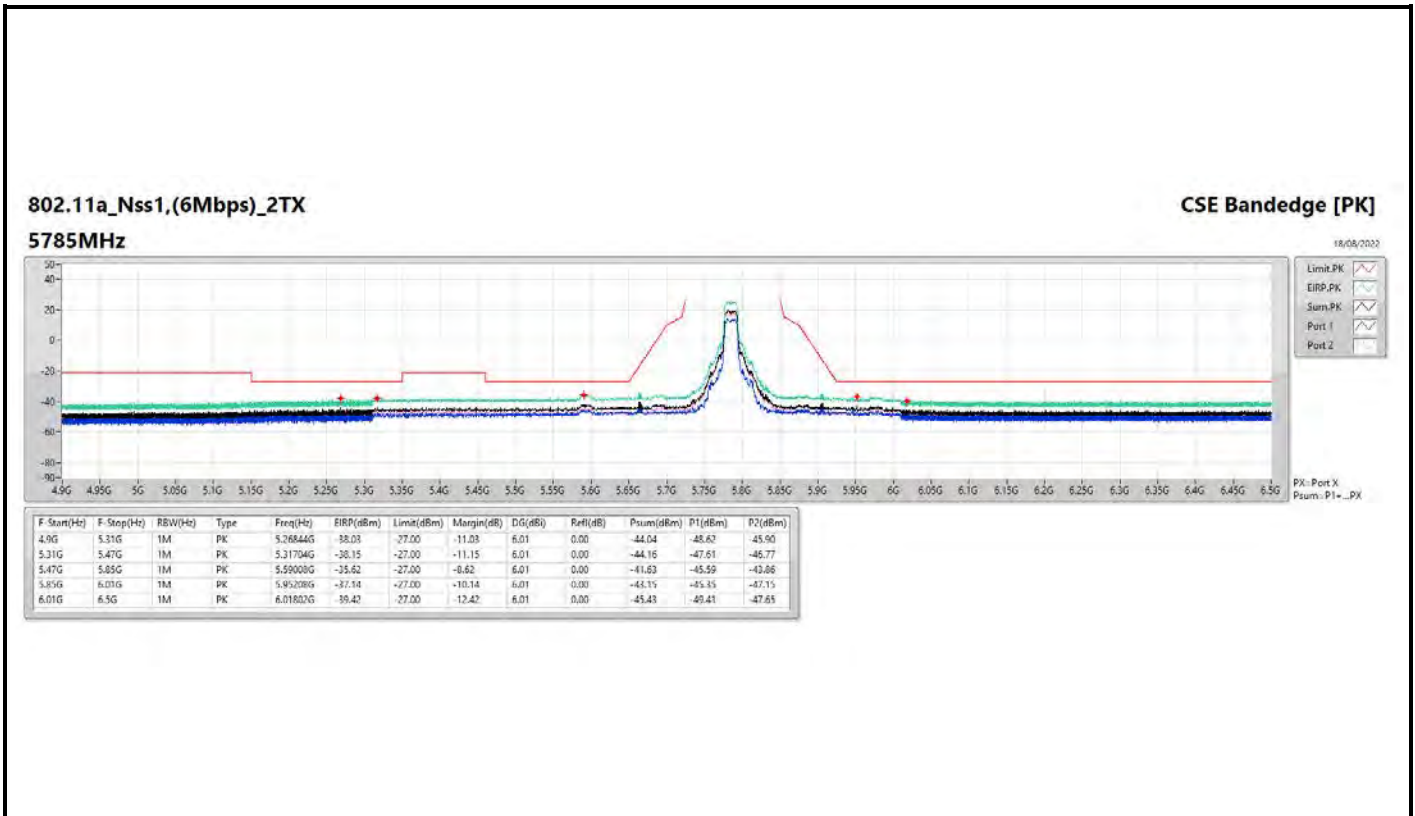




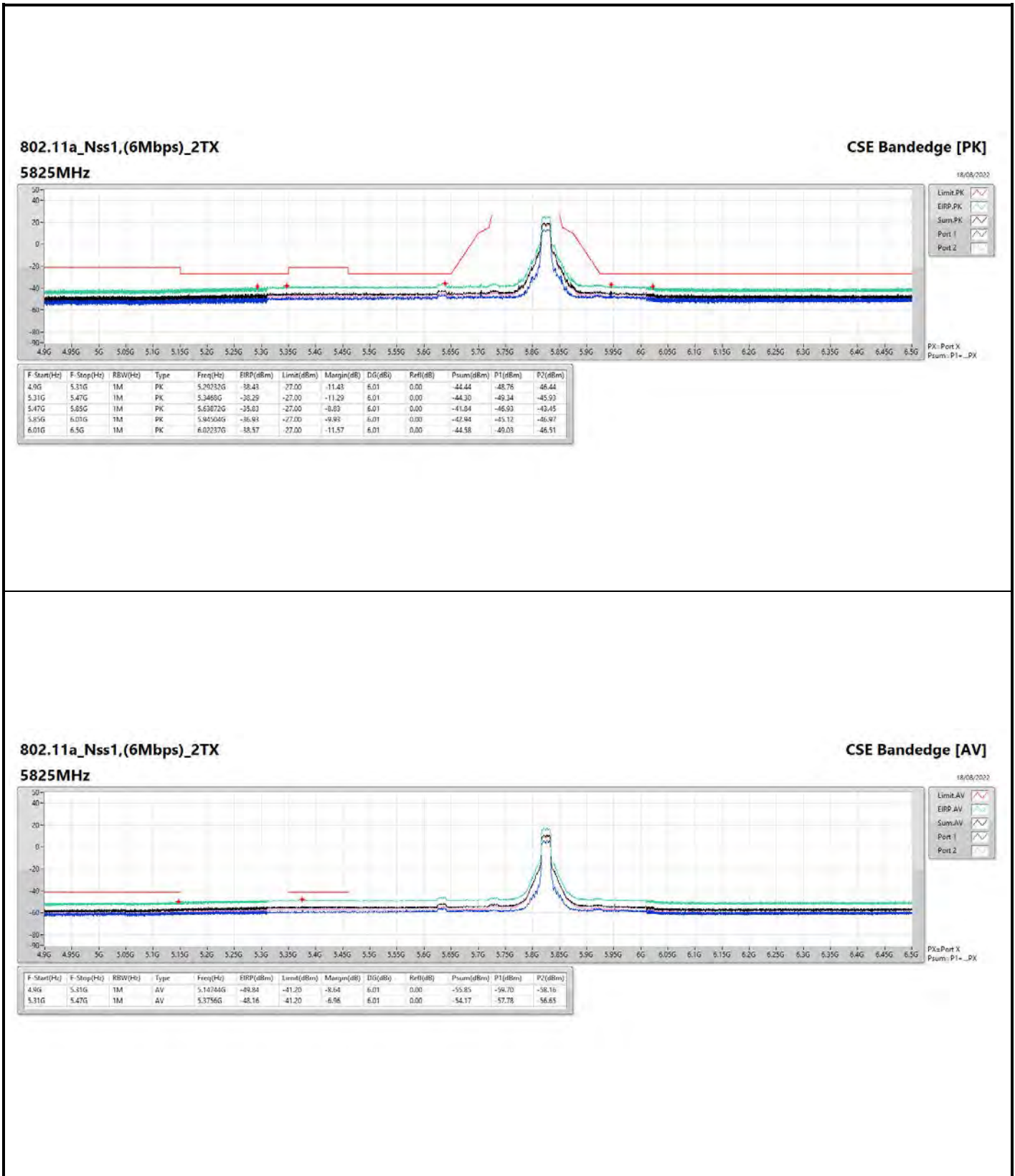


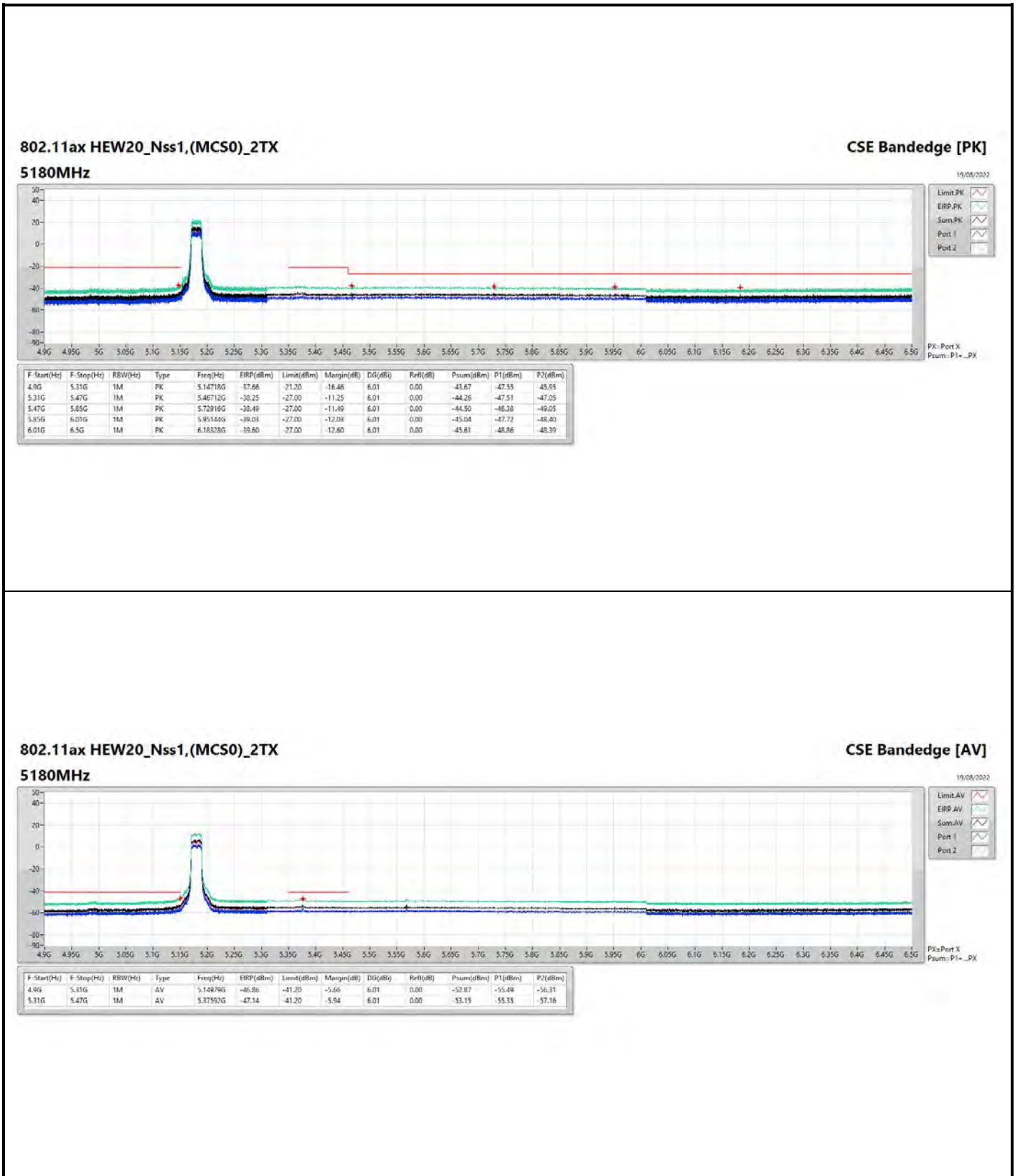


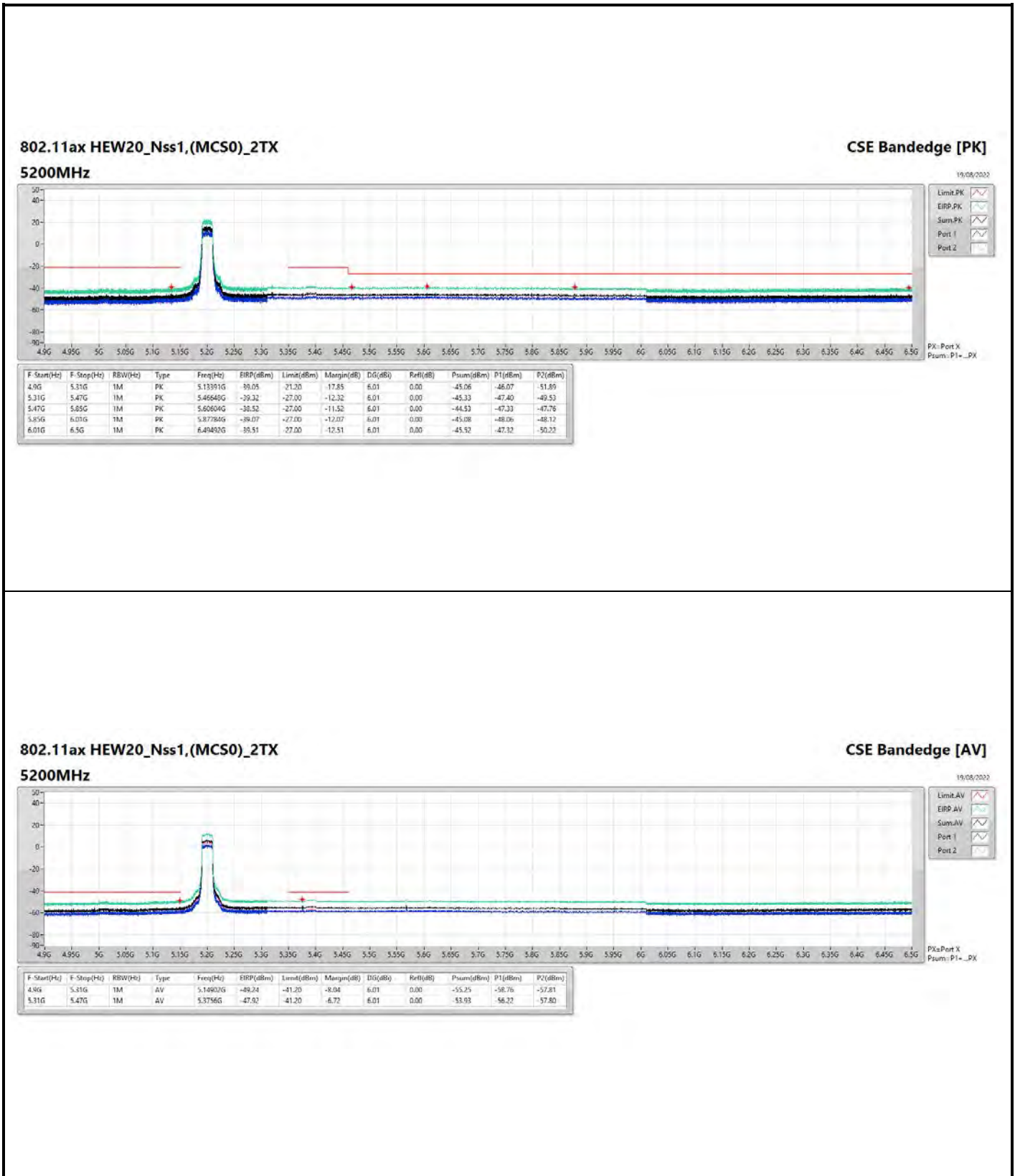


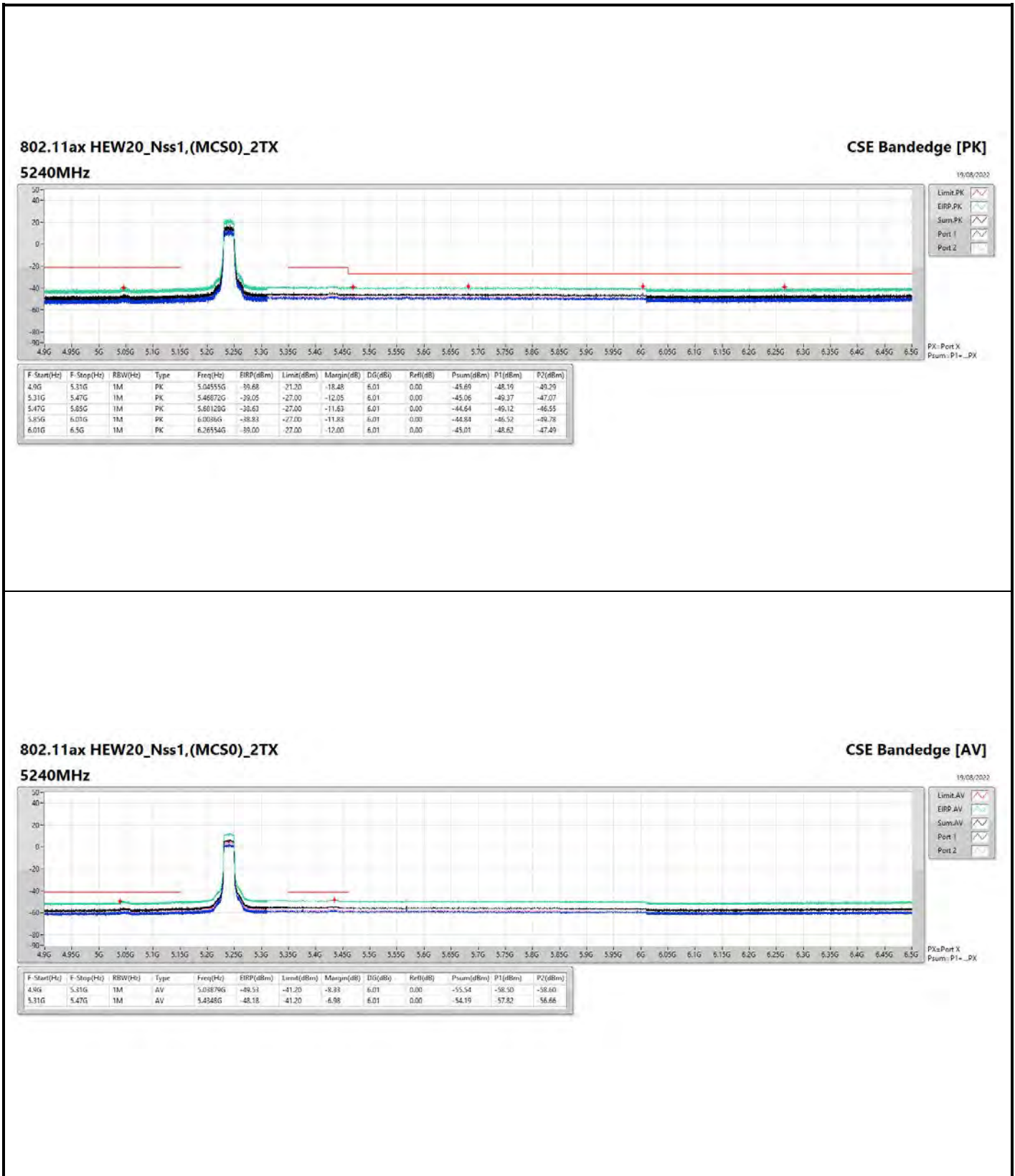




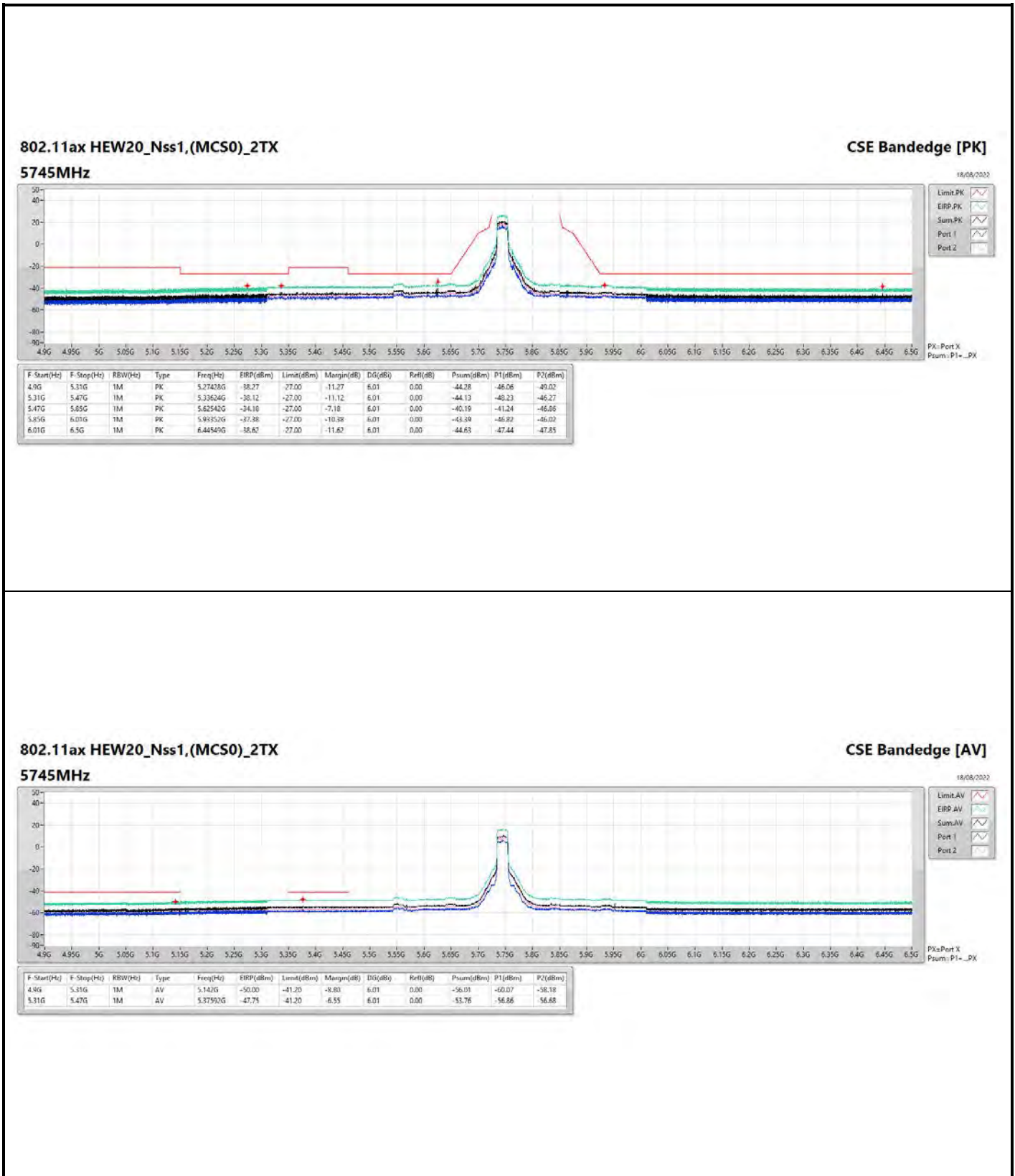


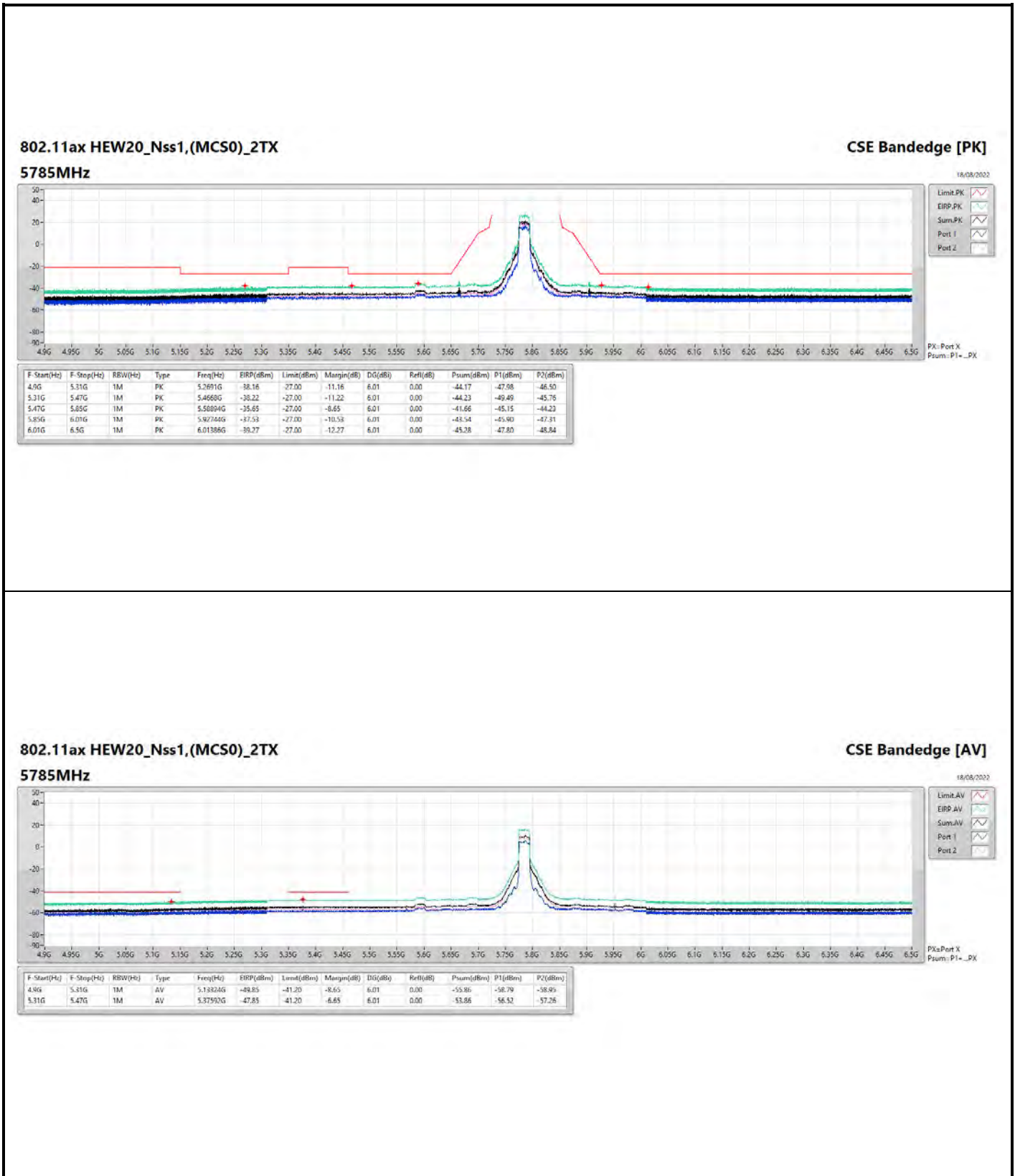


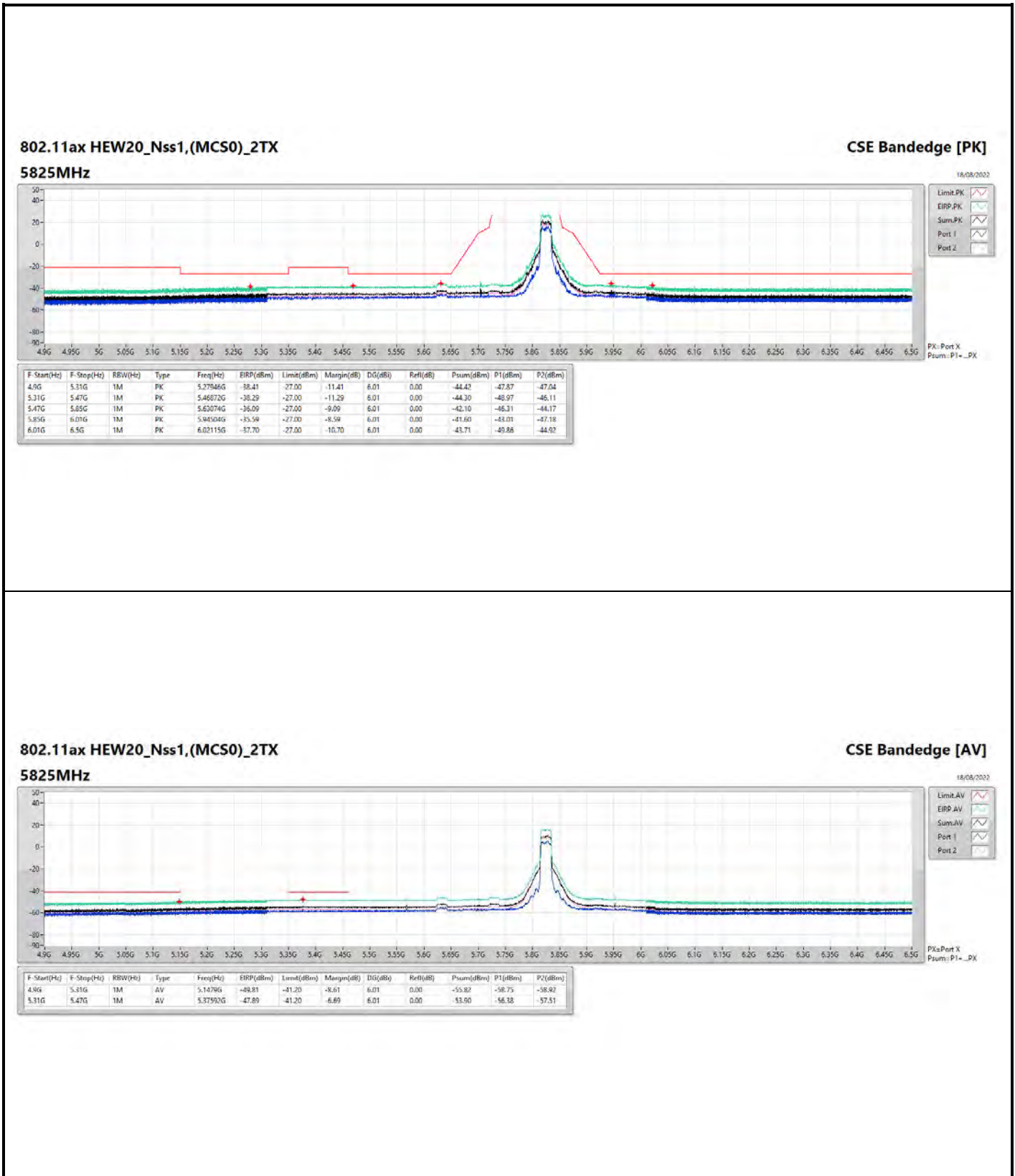




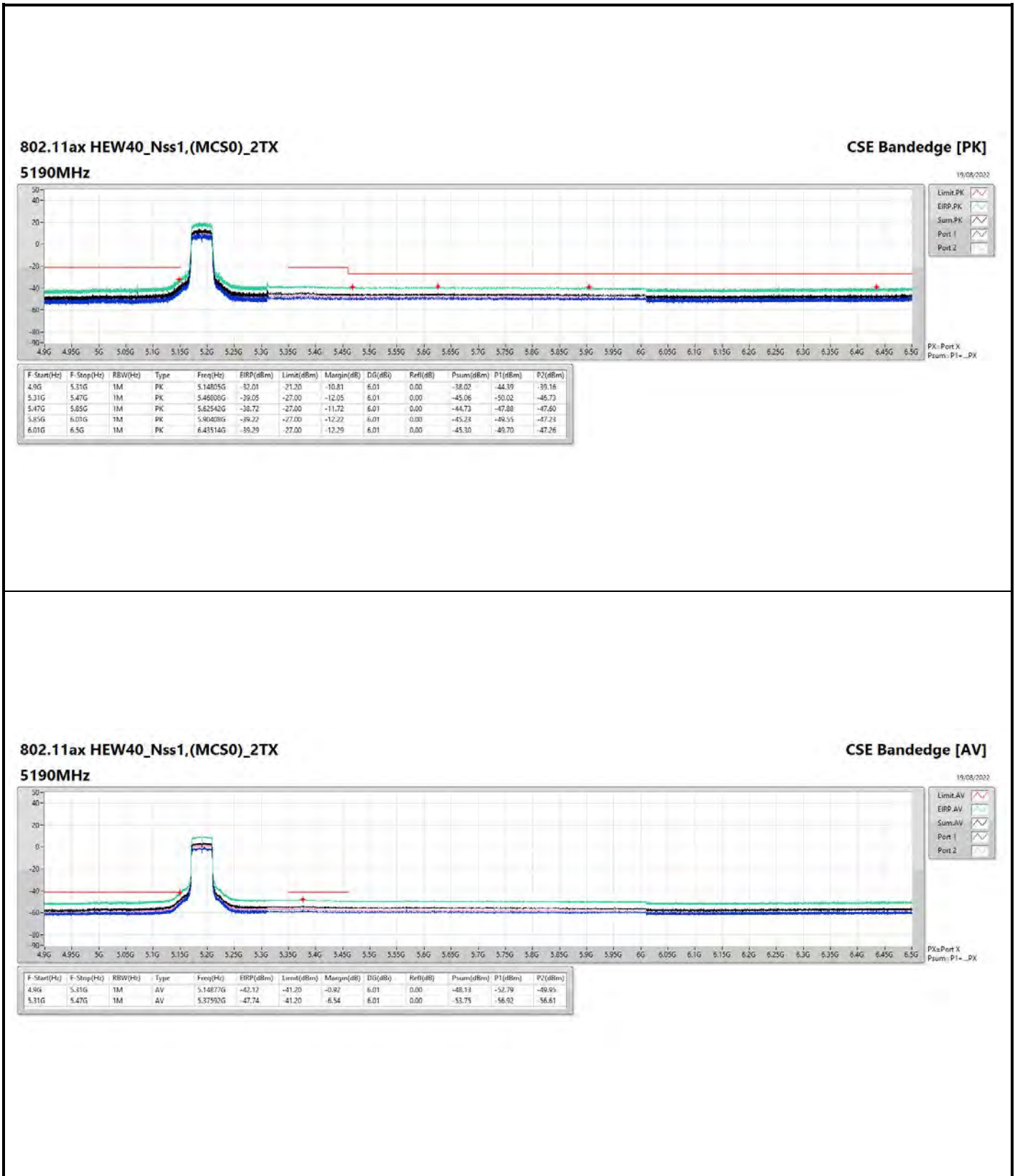


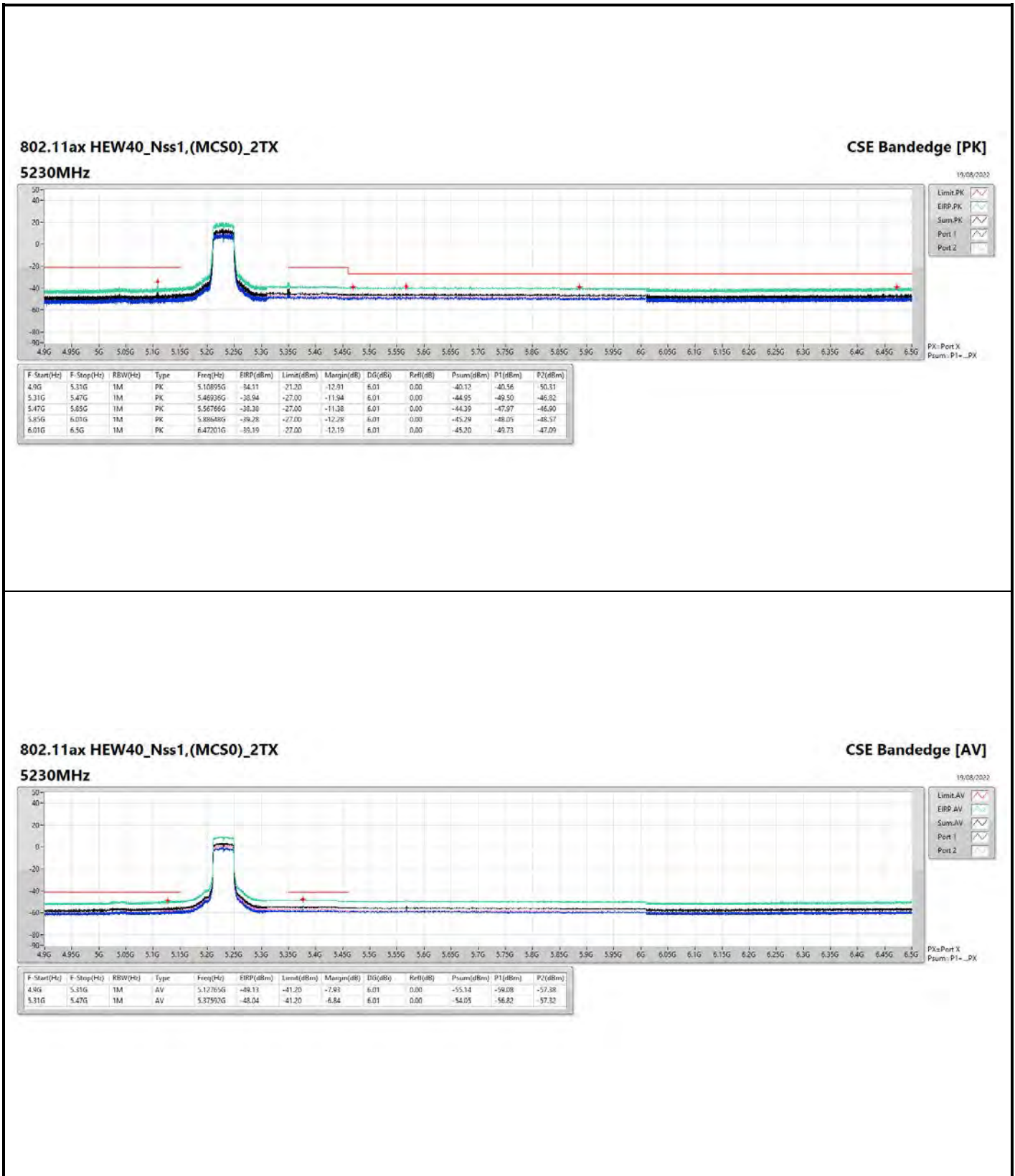


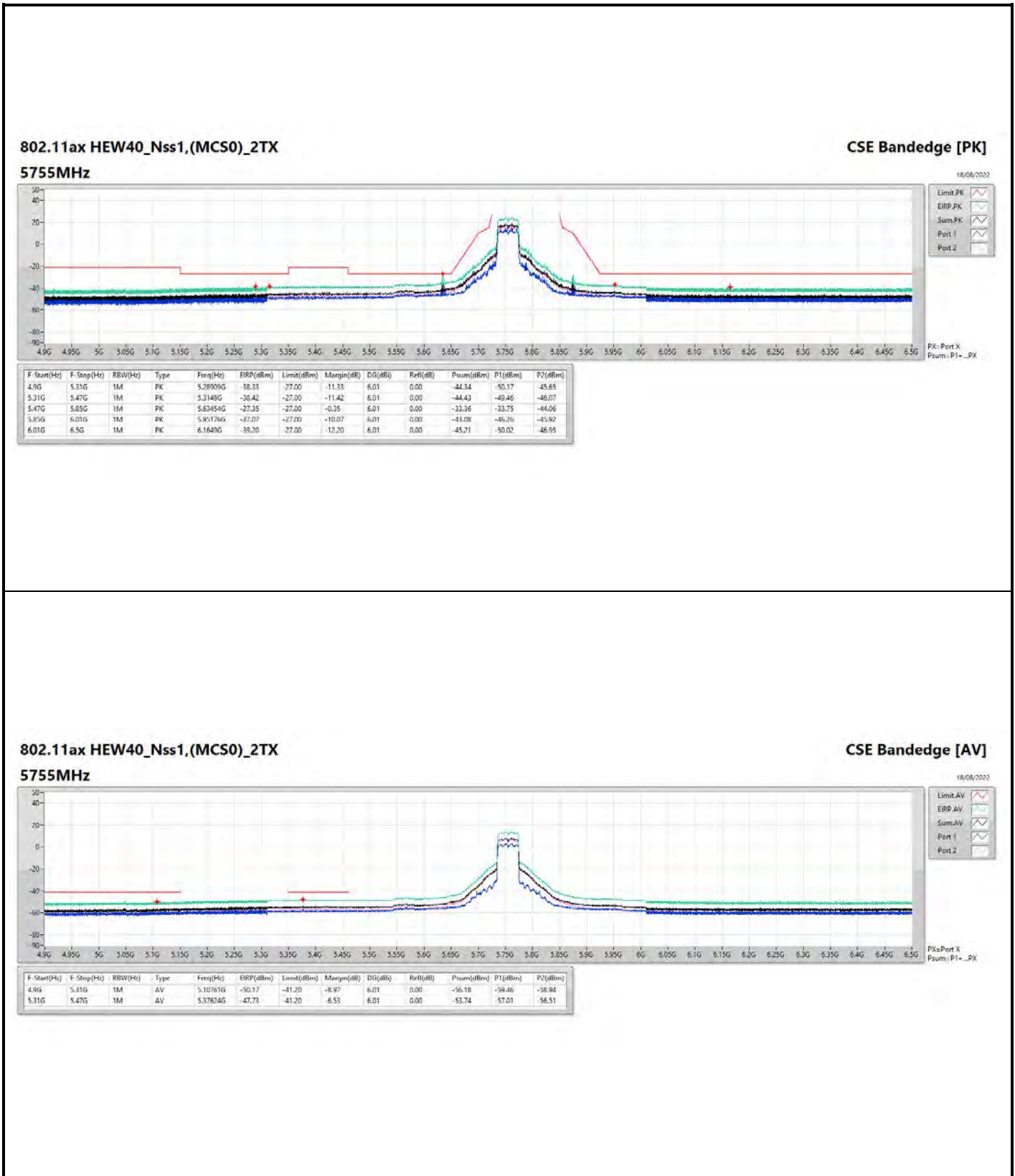


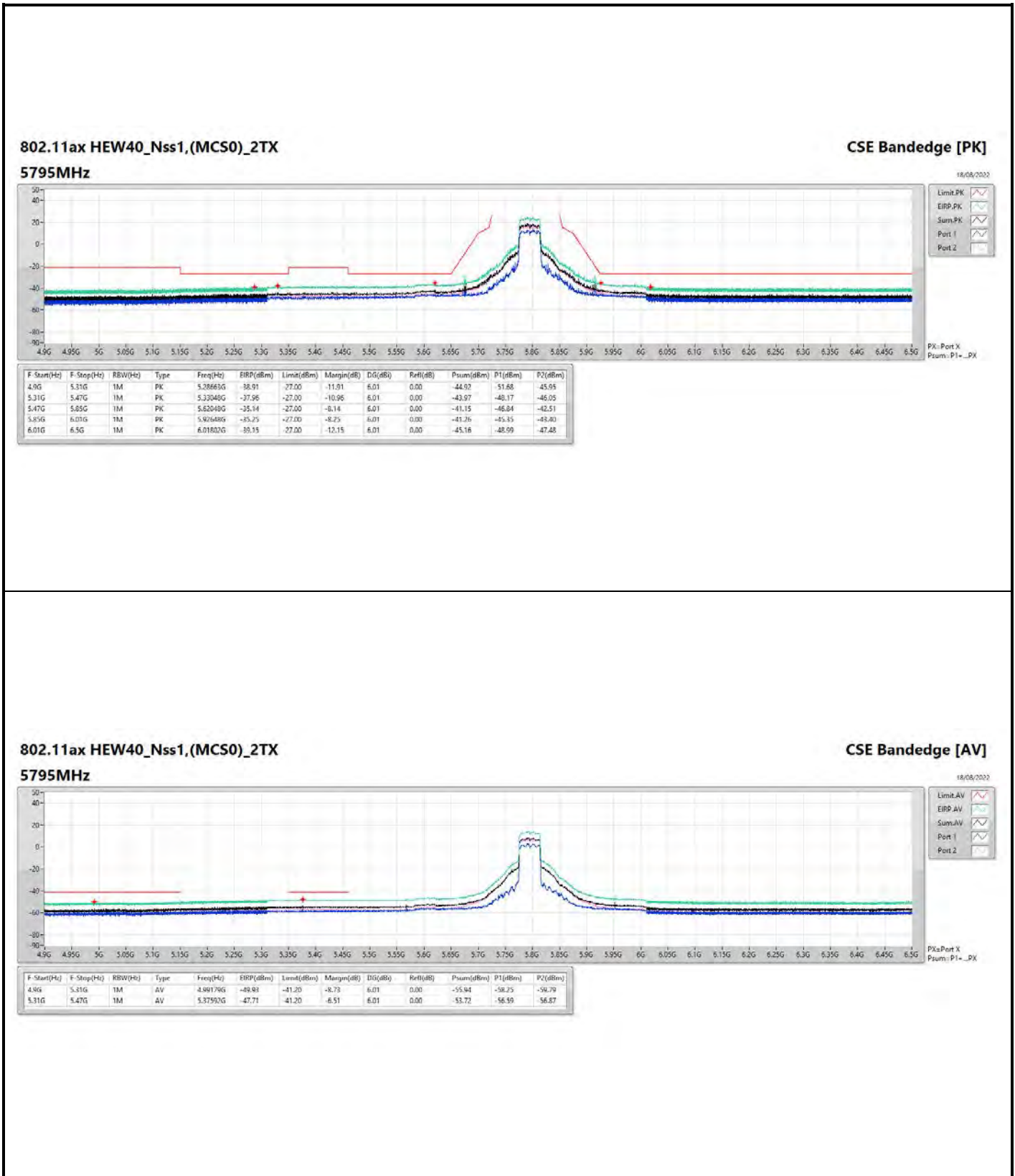




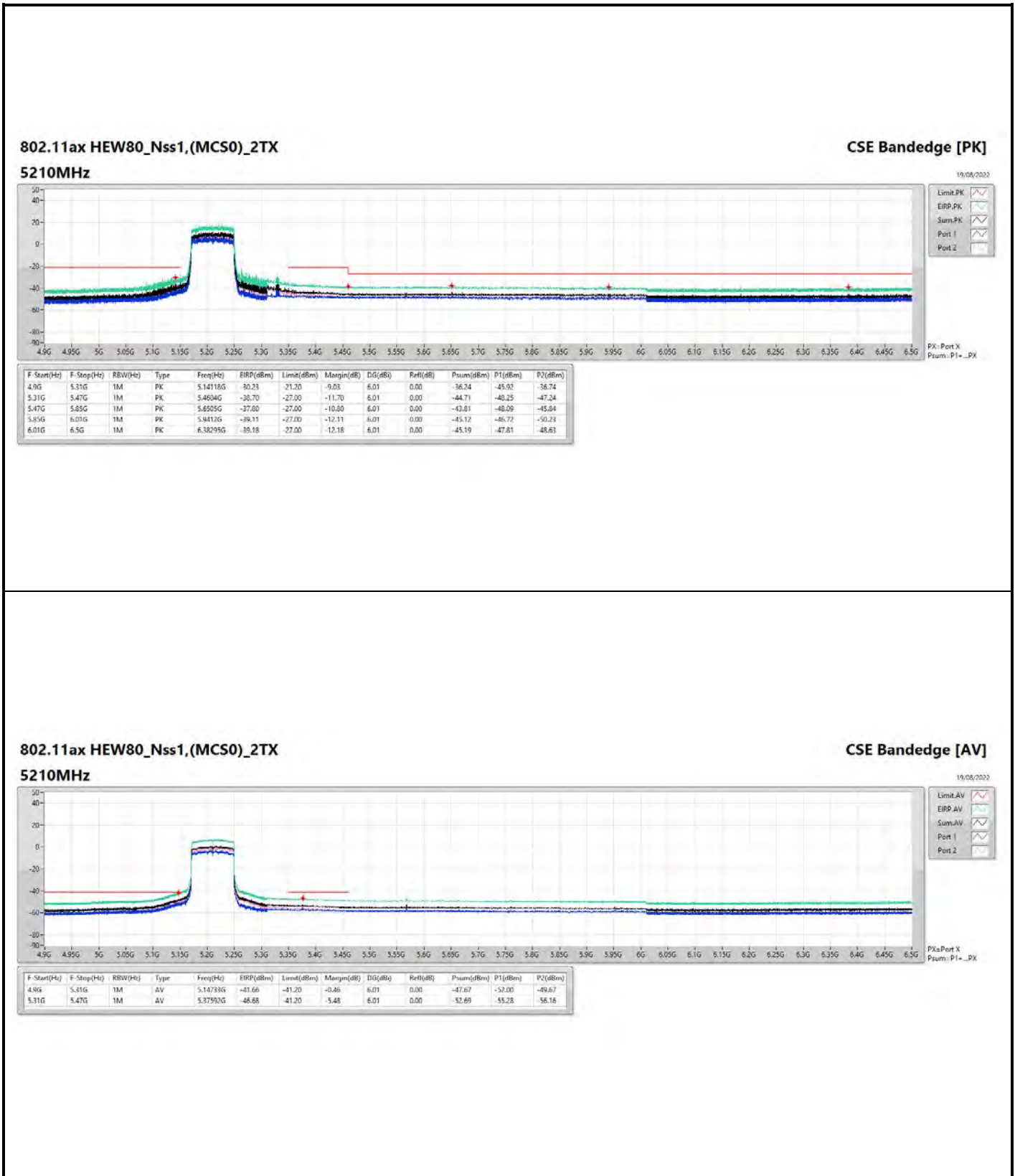




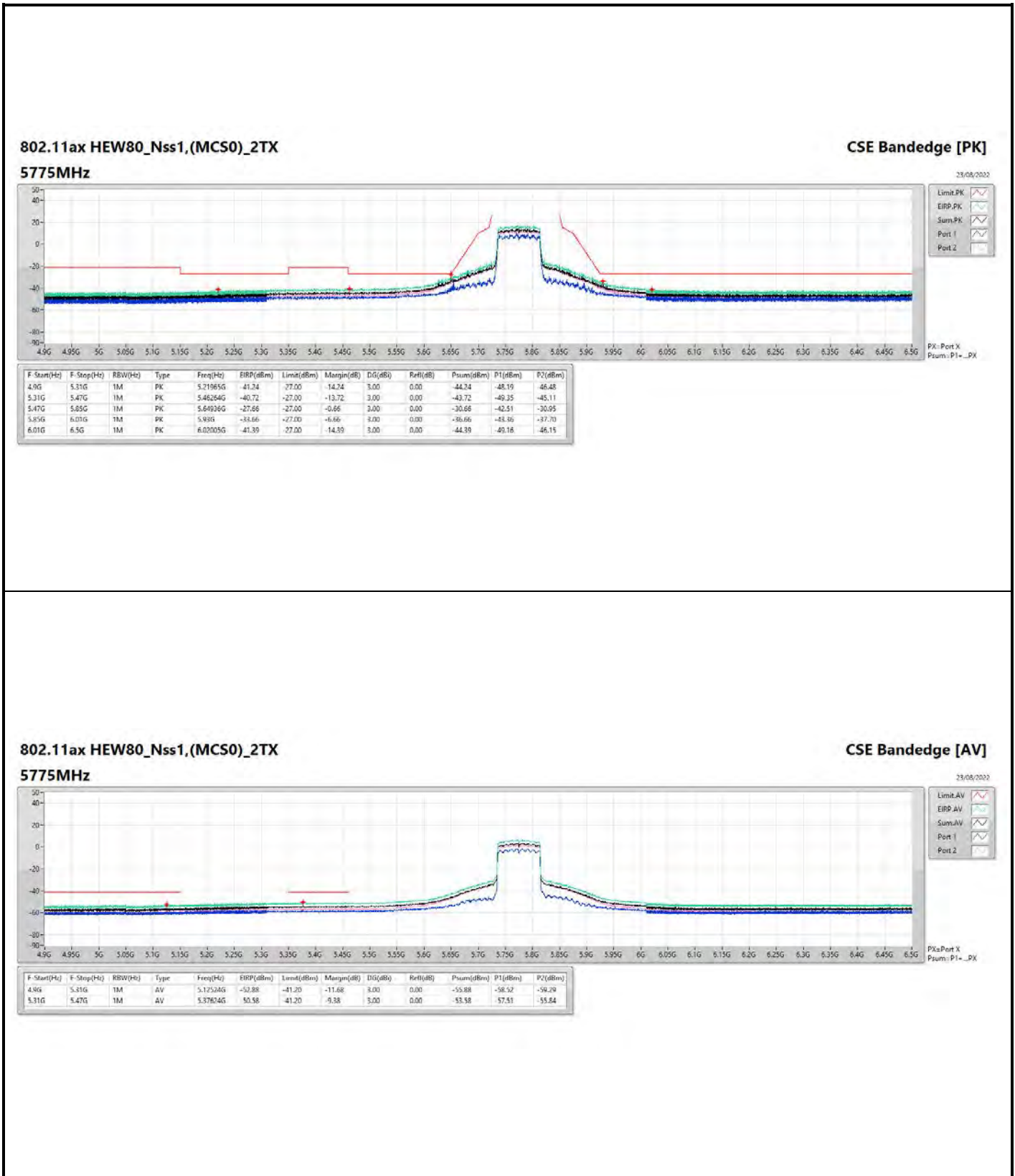


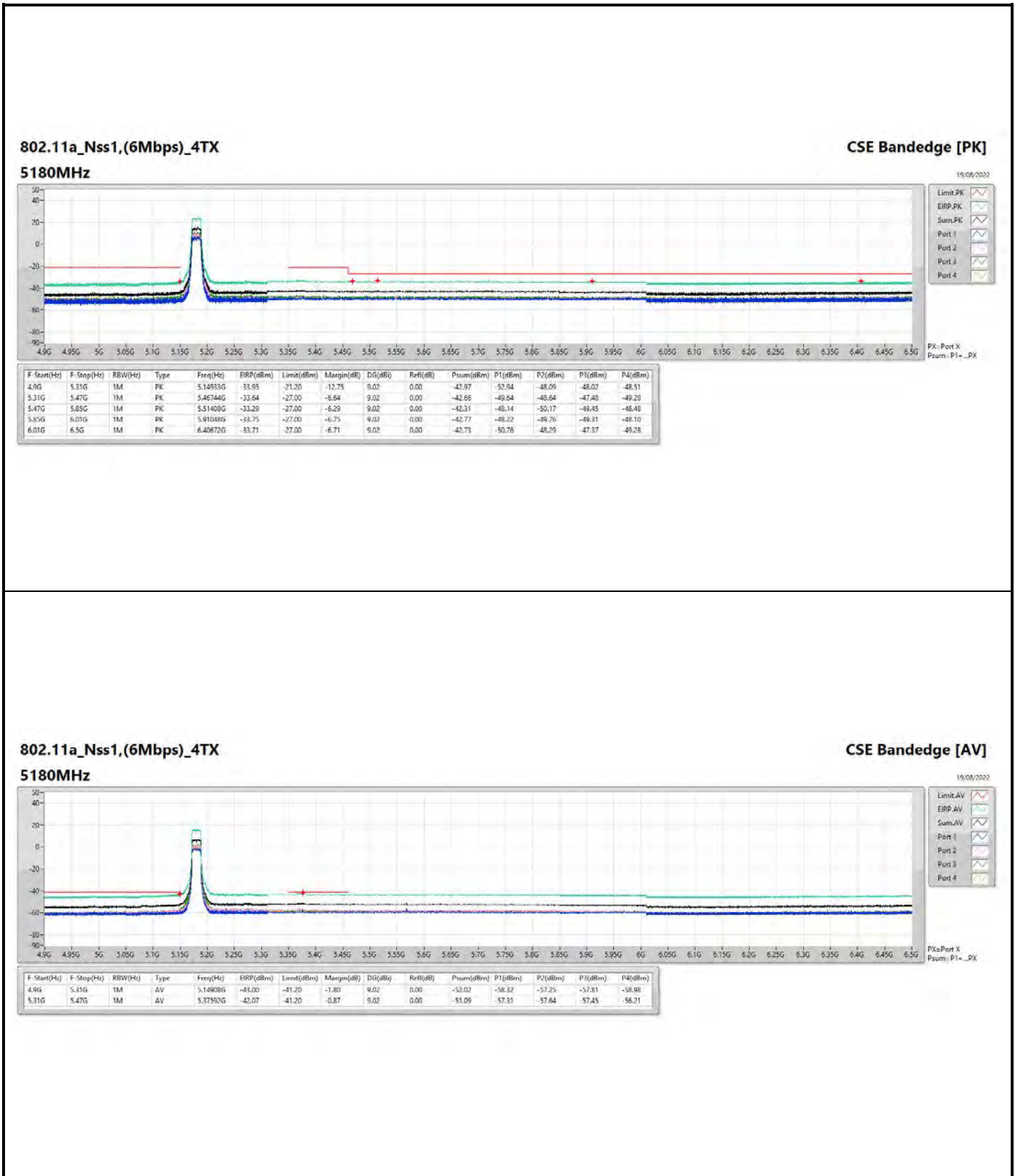


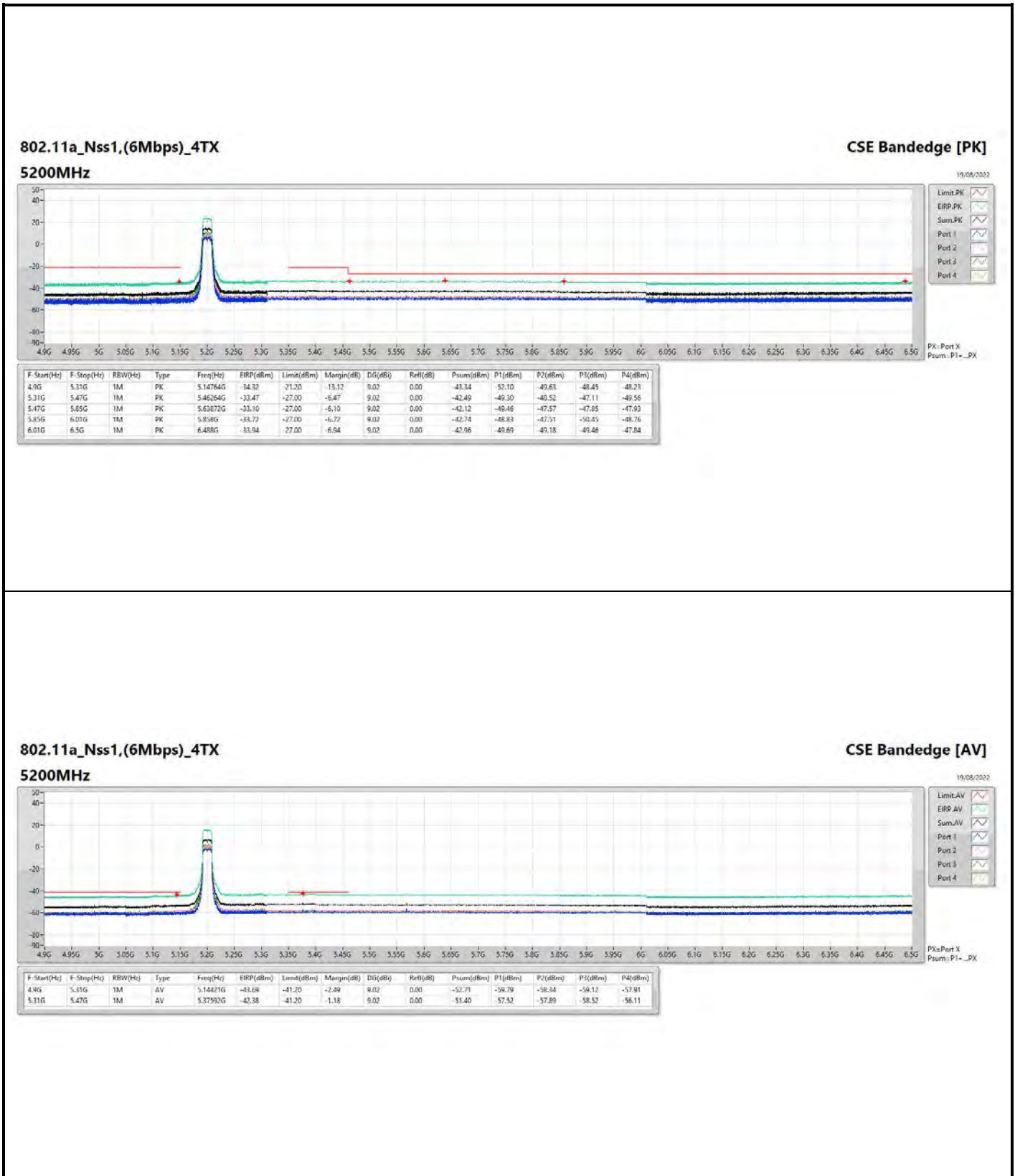


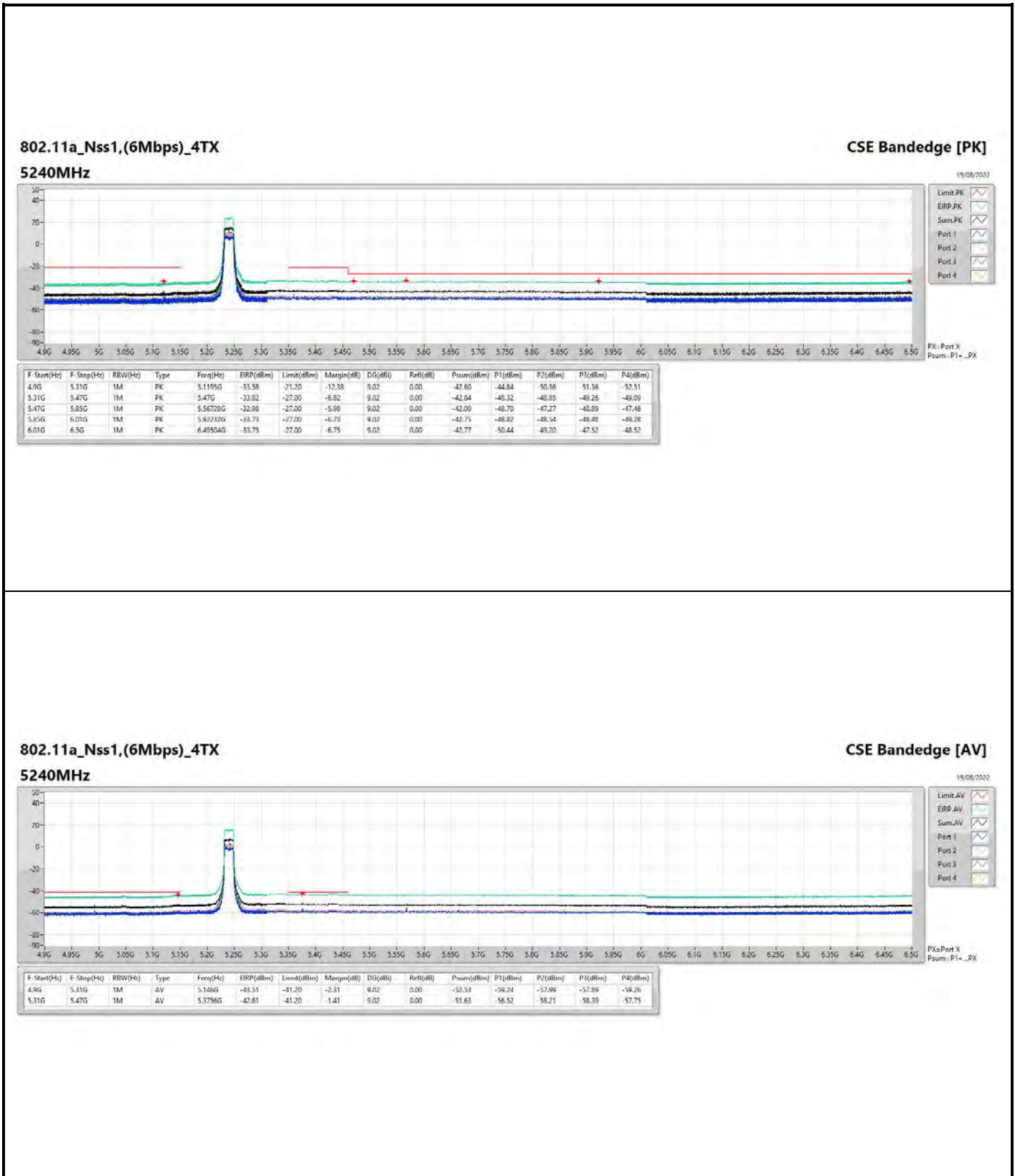




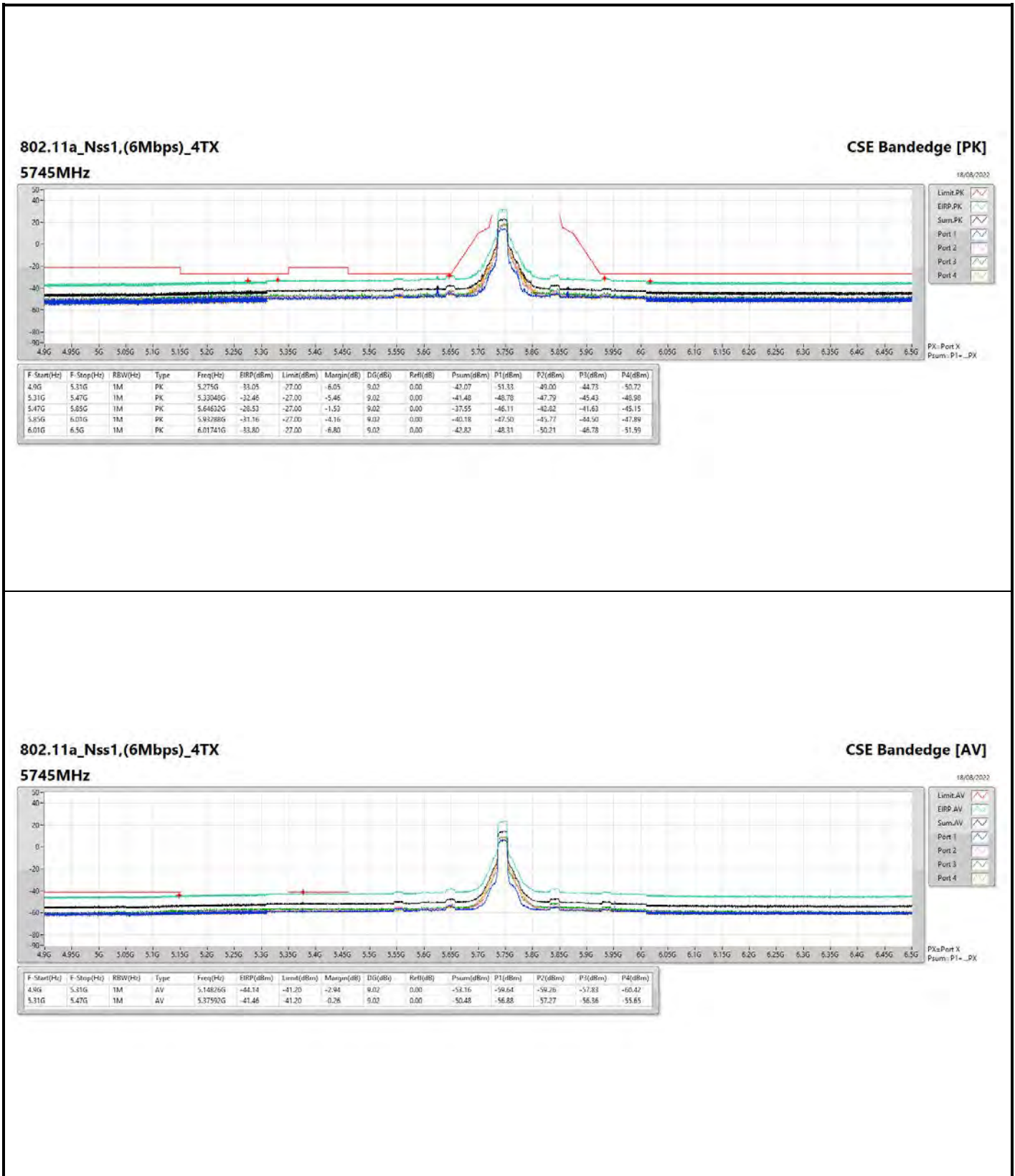












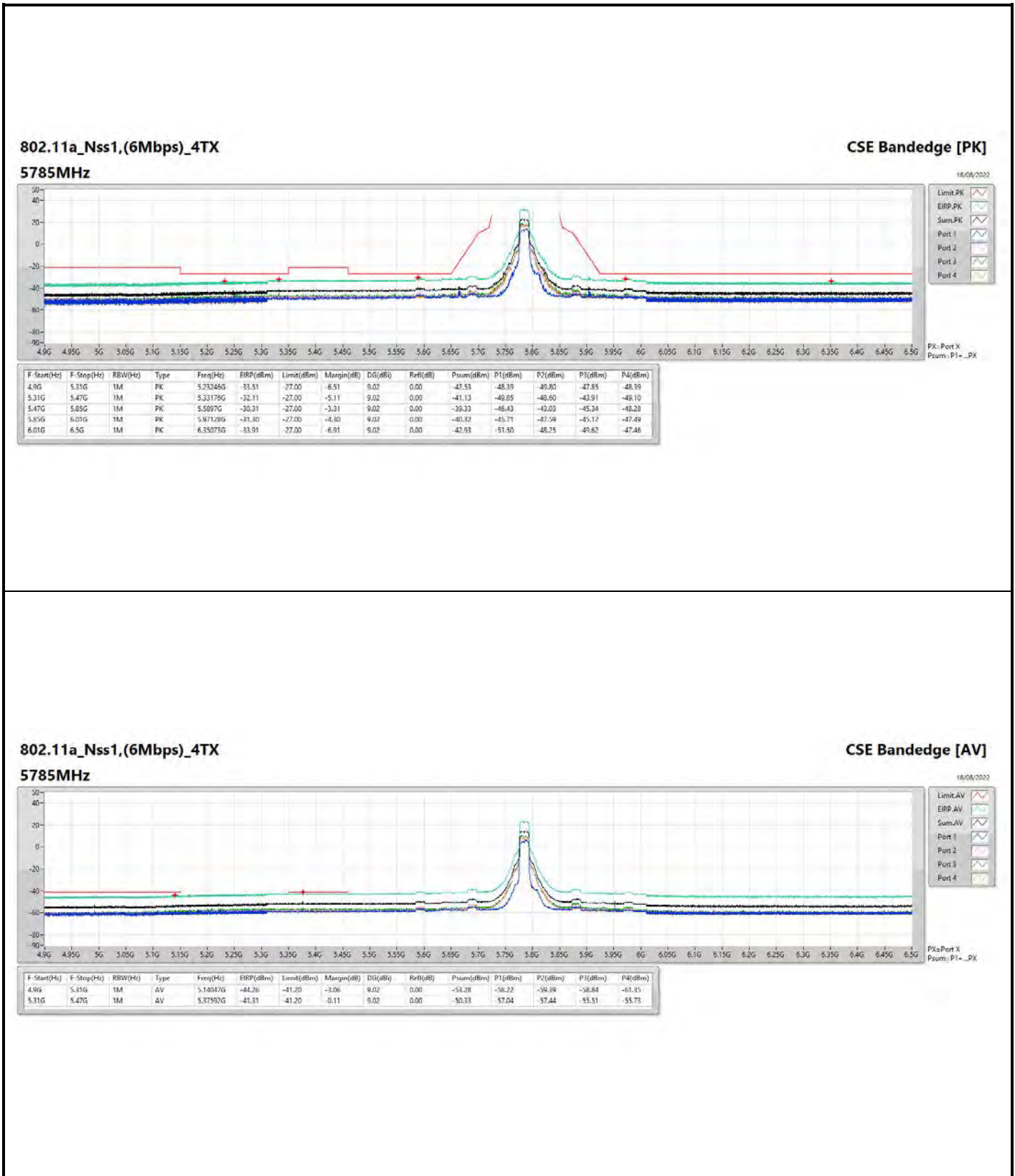
**802.11a\_Nss1,(6Mbps)\_4TX**

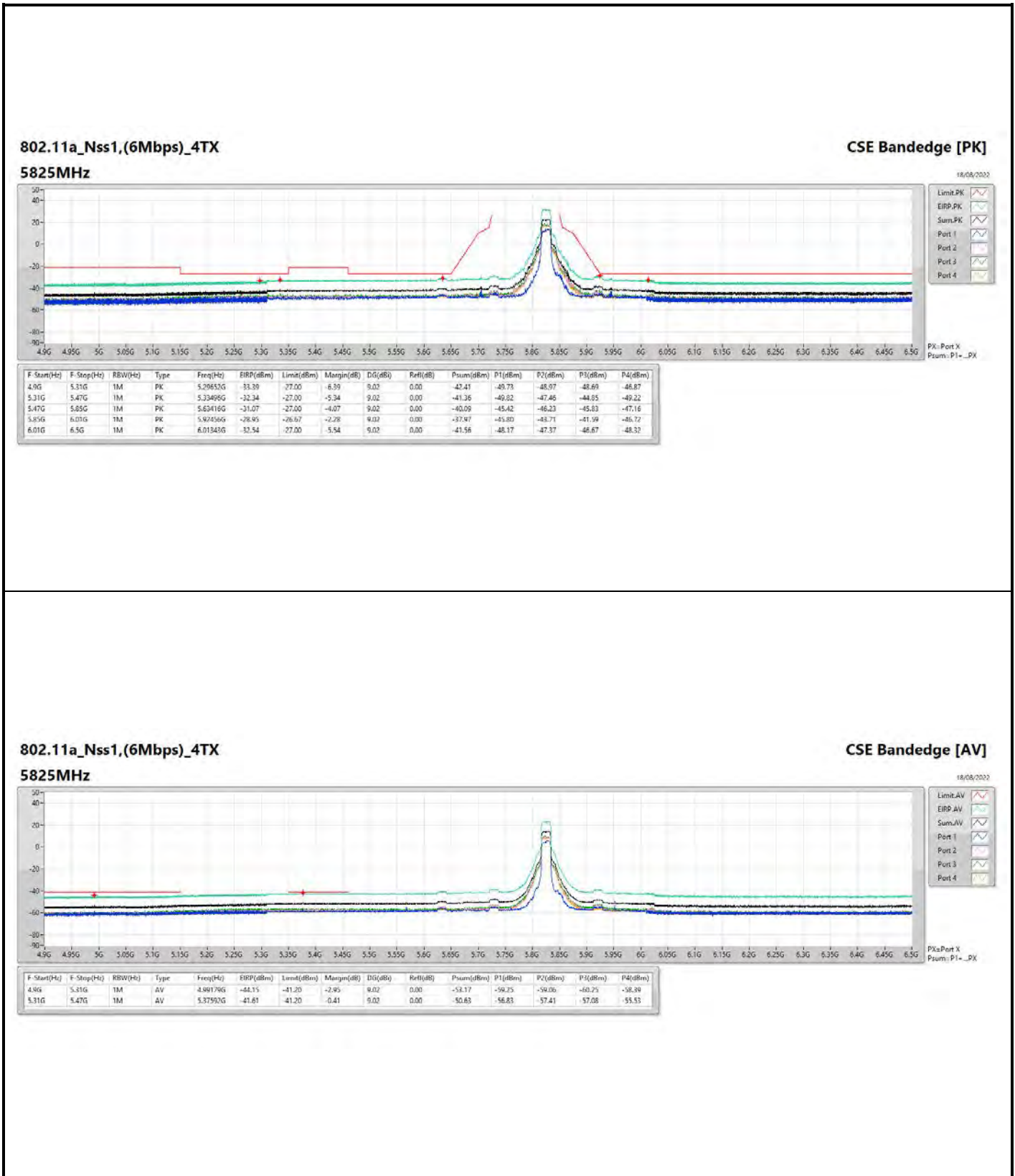
**5745MHz**

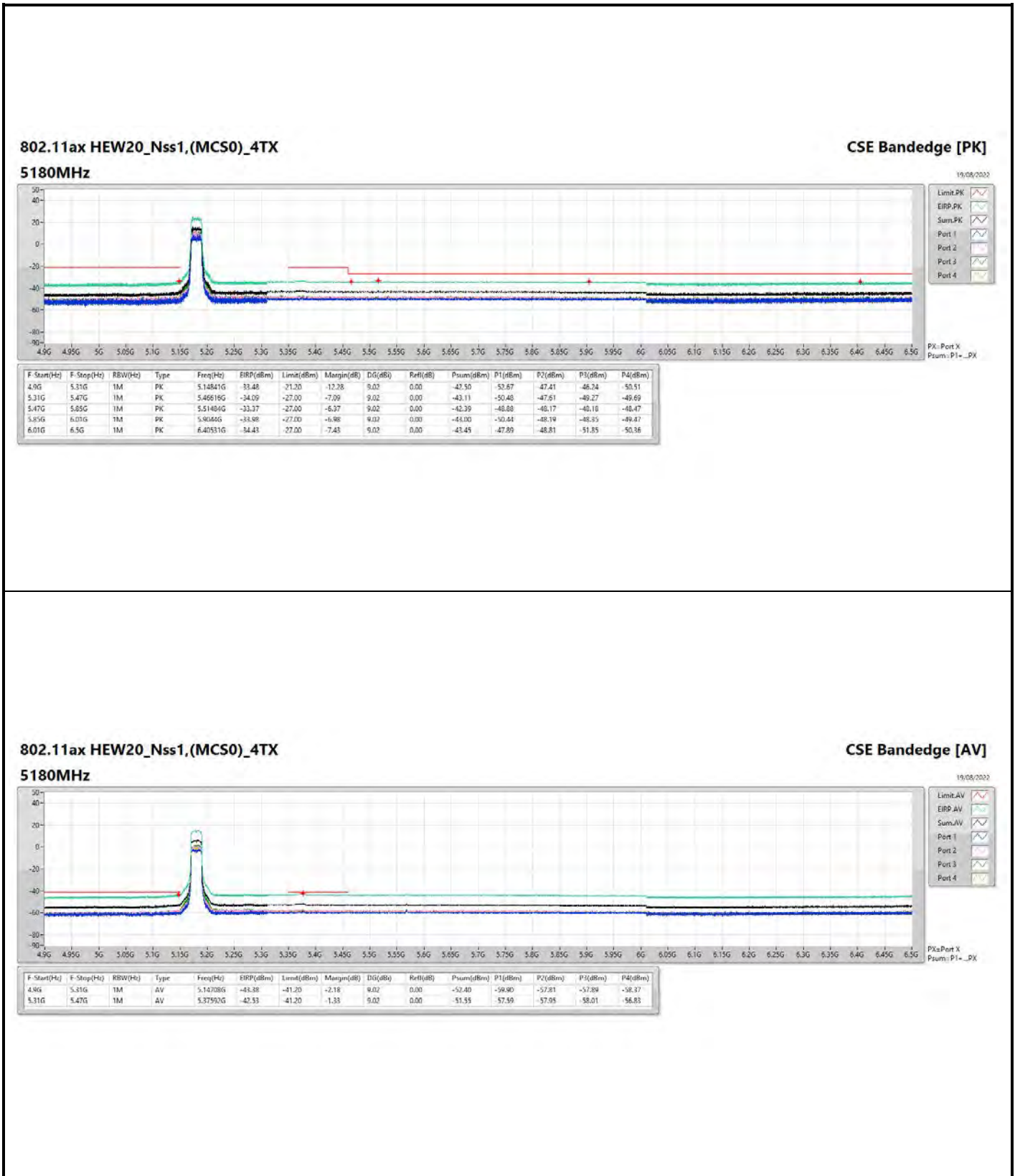
**CSE Bandedge [AV]**

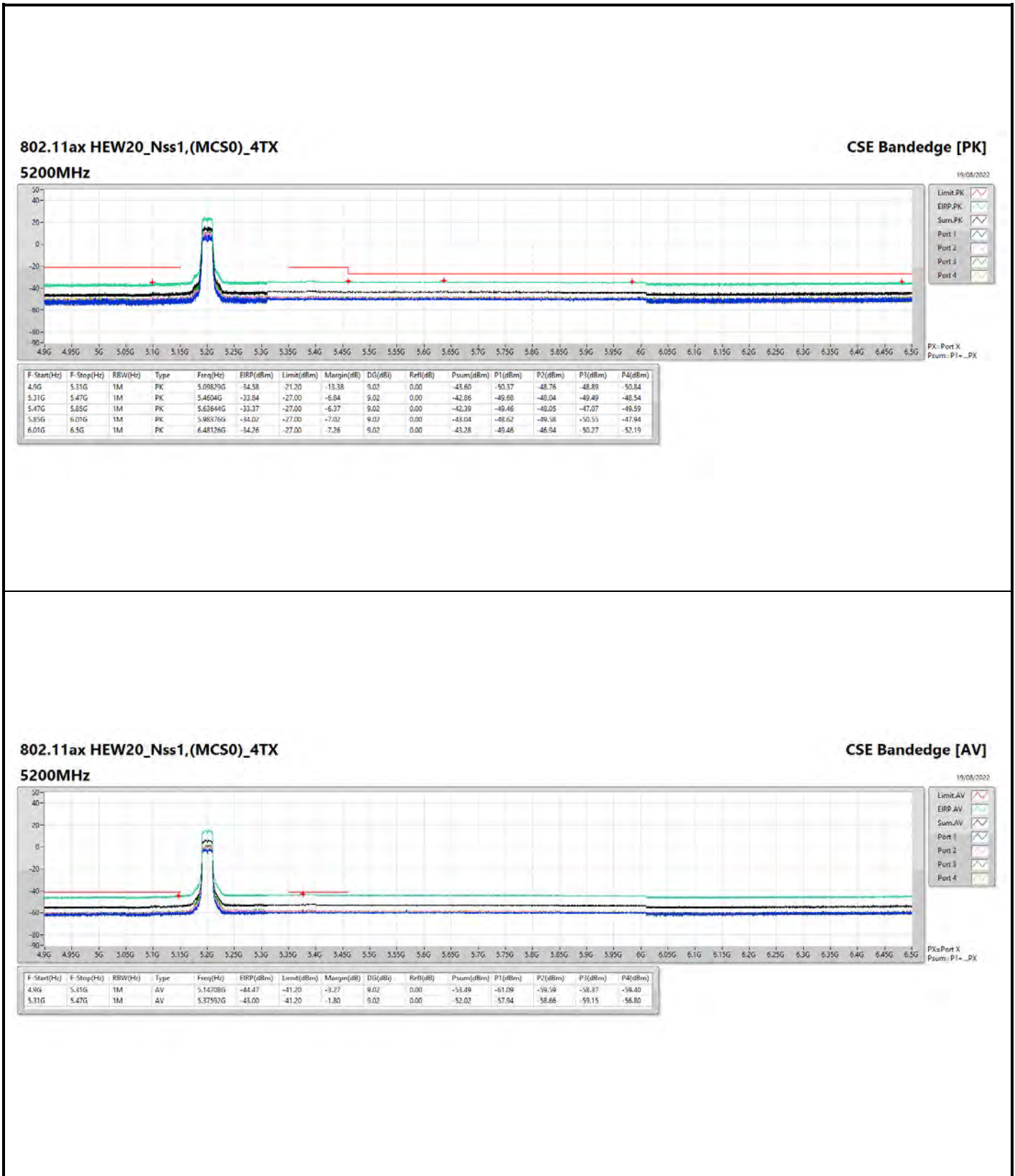
18/08/2022











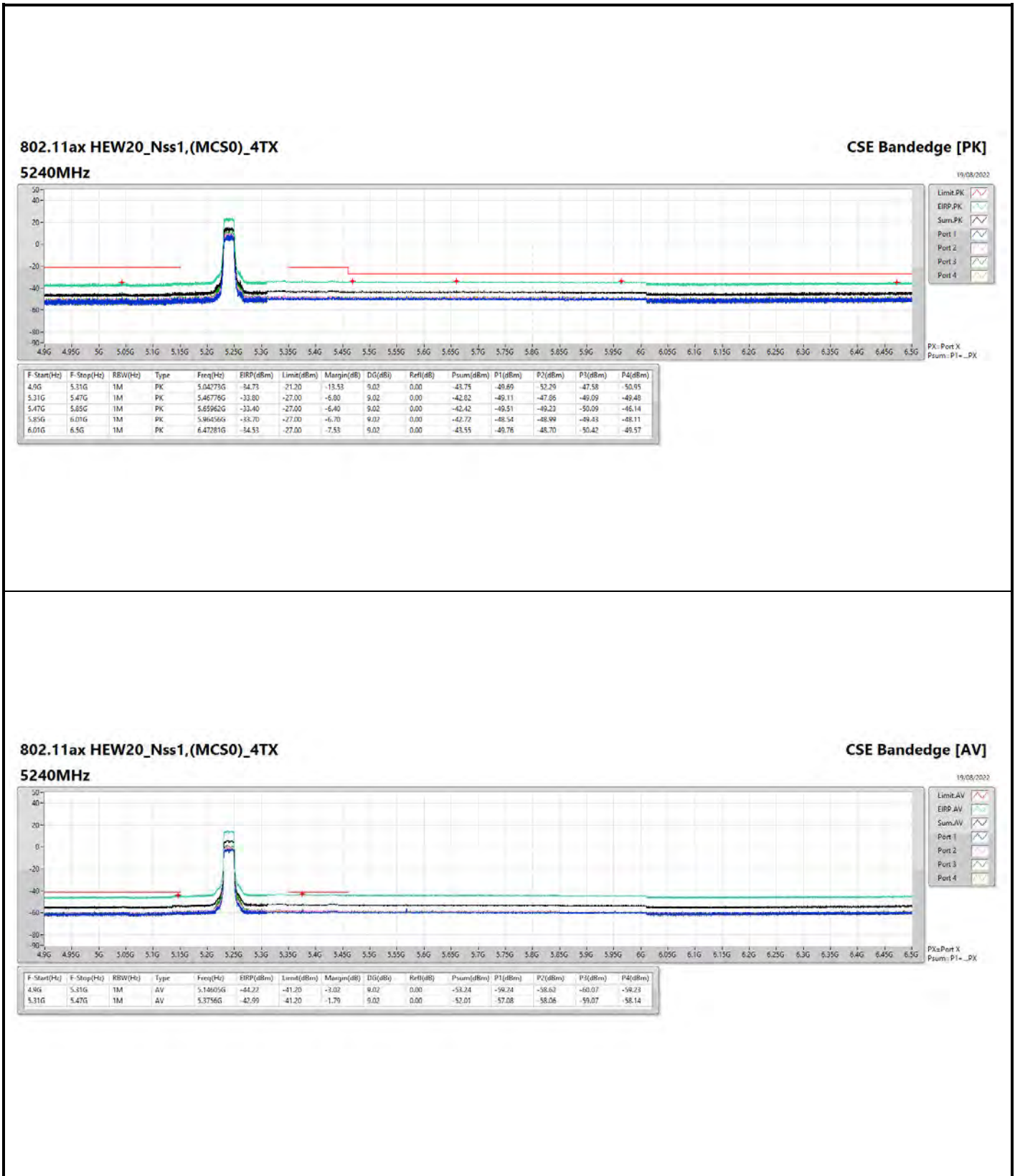
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**

**5200MHz**

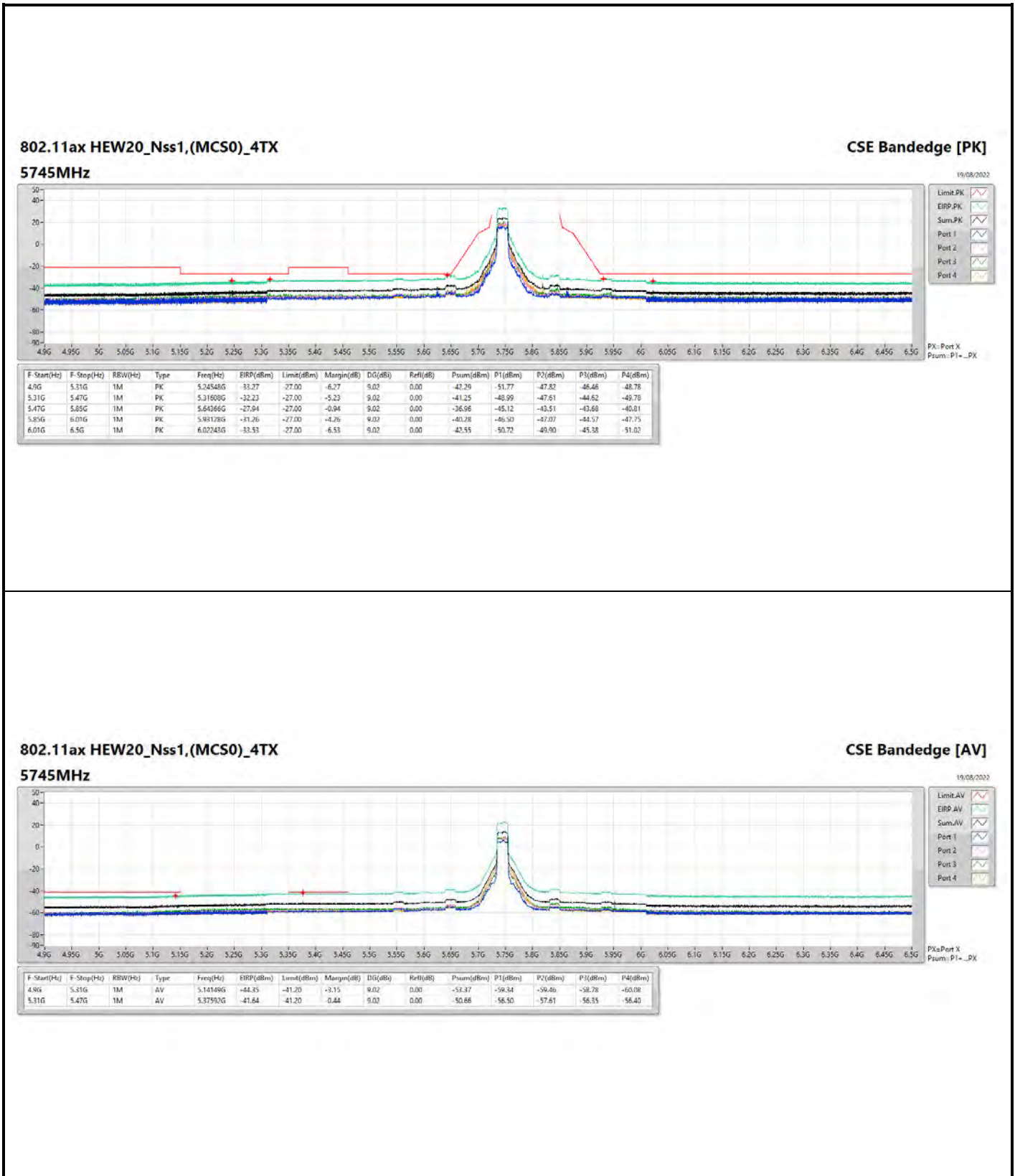
**CSE Bandedge [AV]**

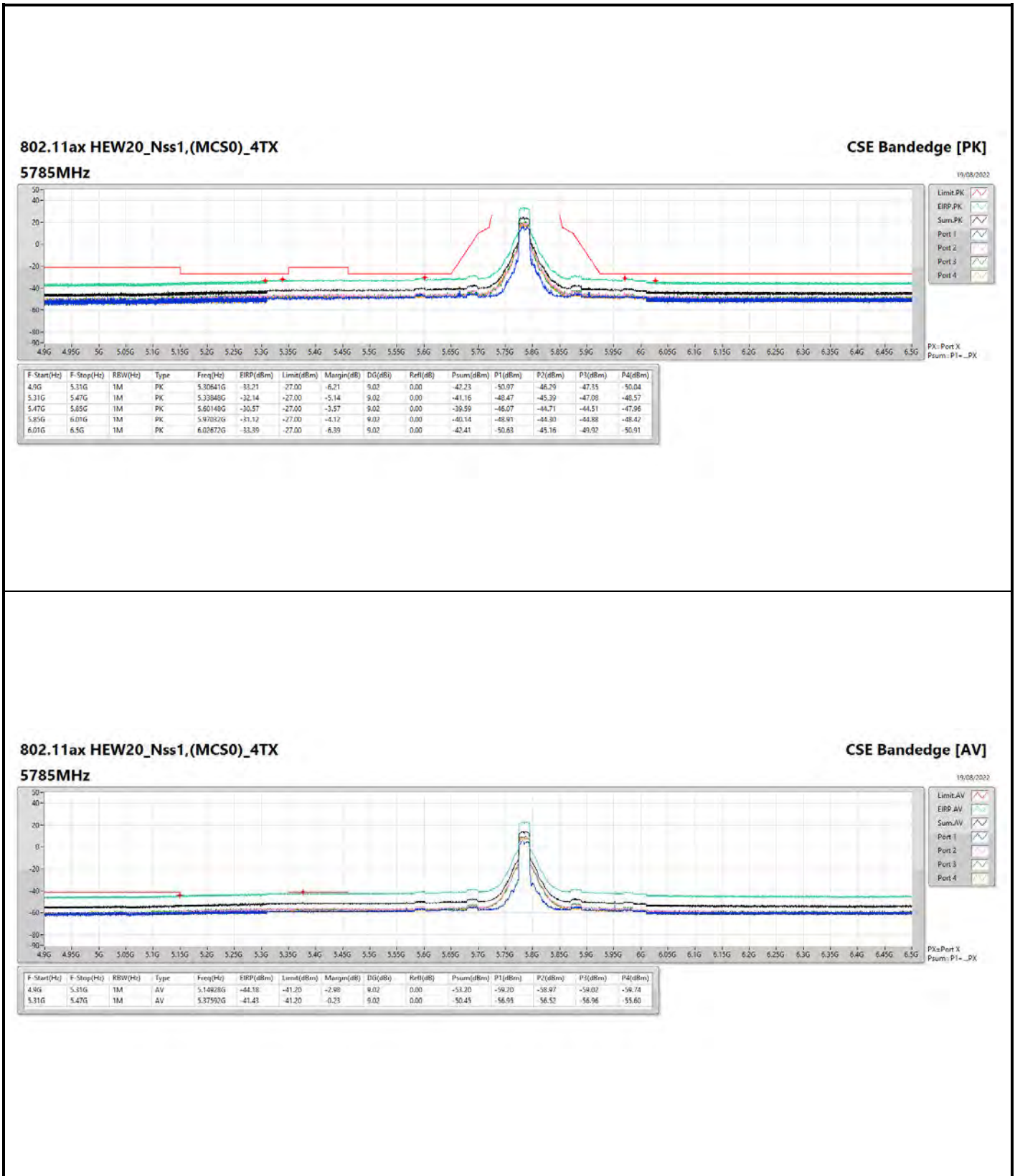
19/08/2022

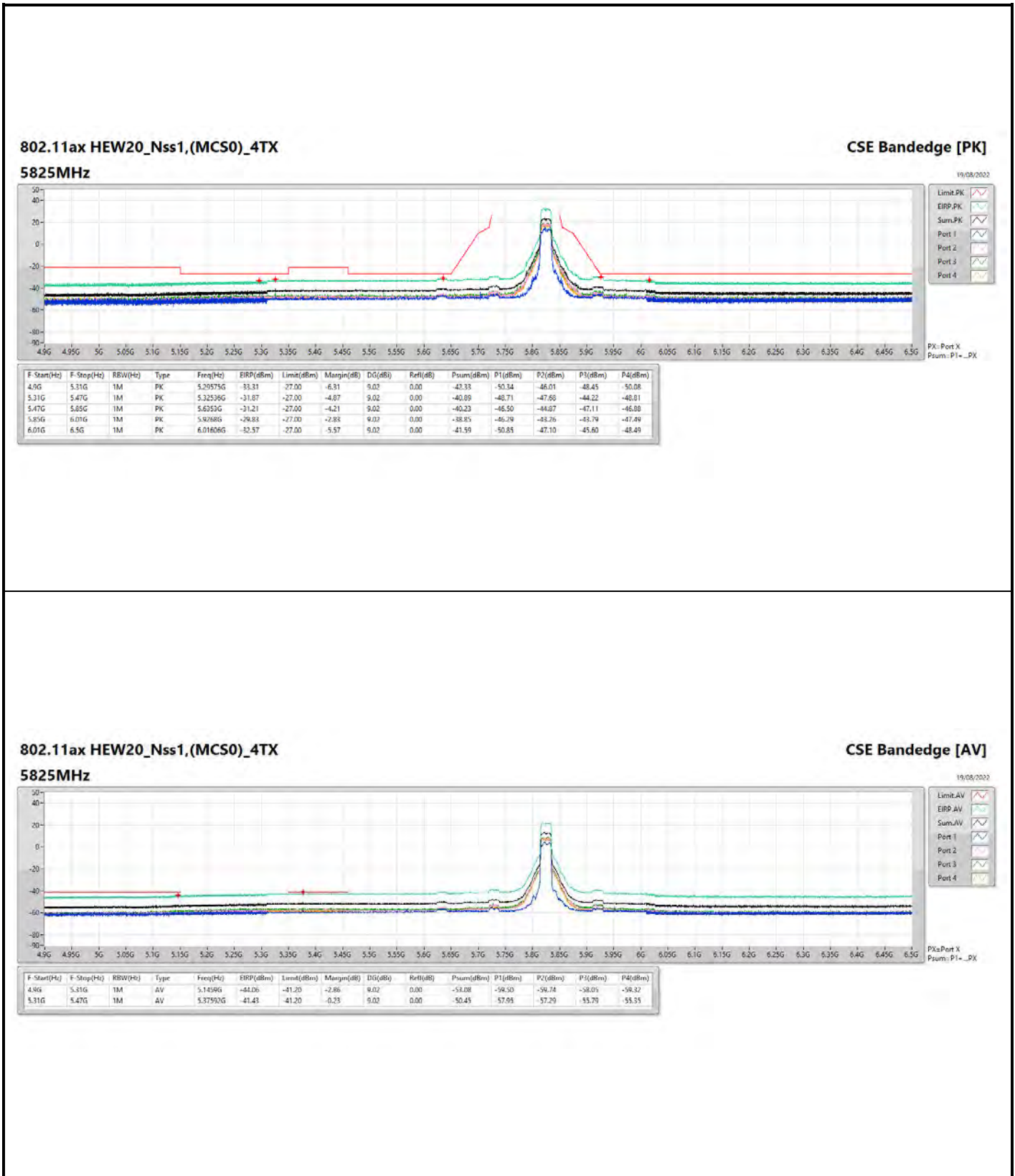


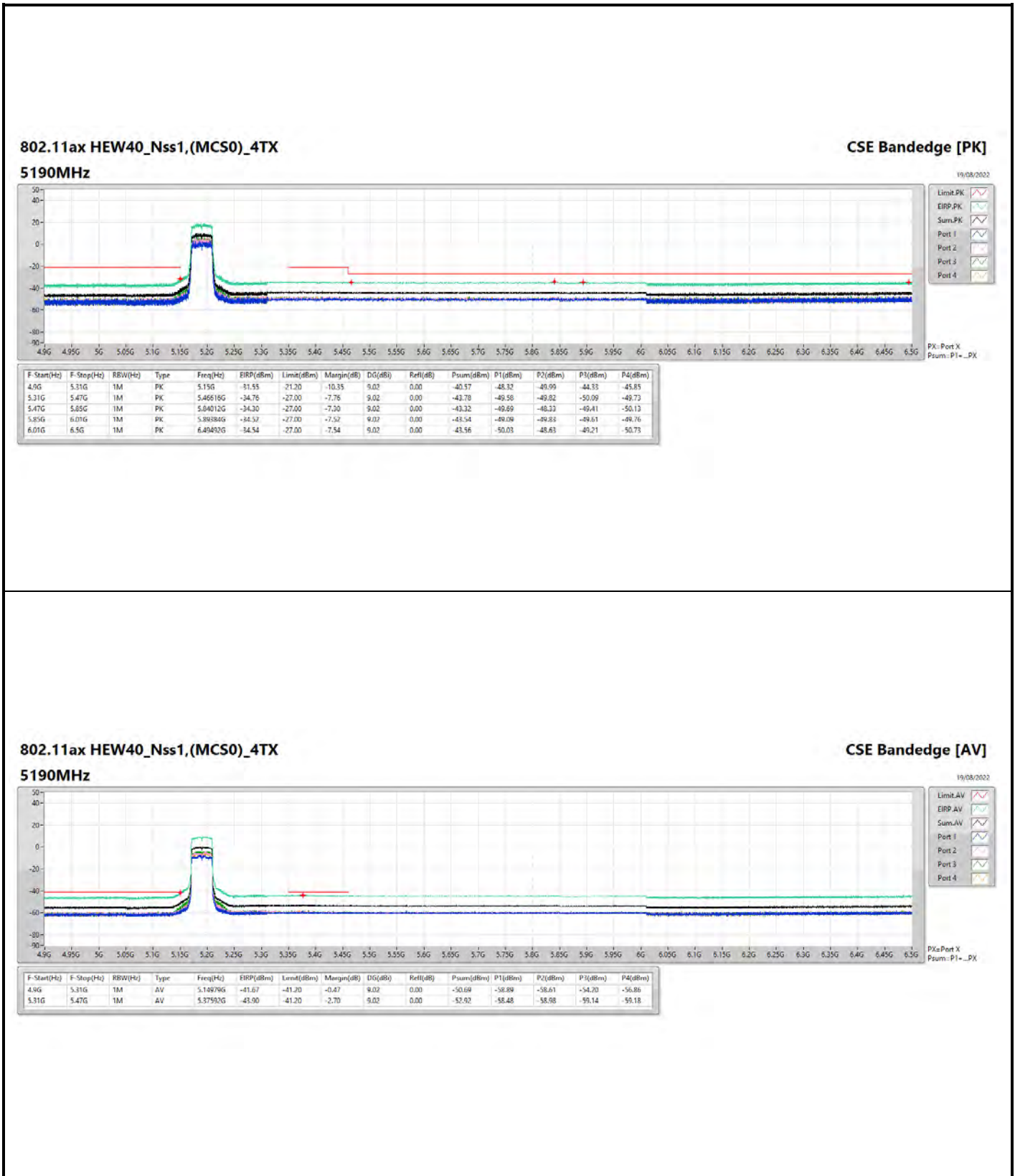




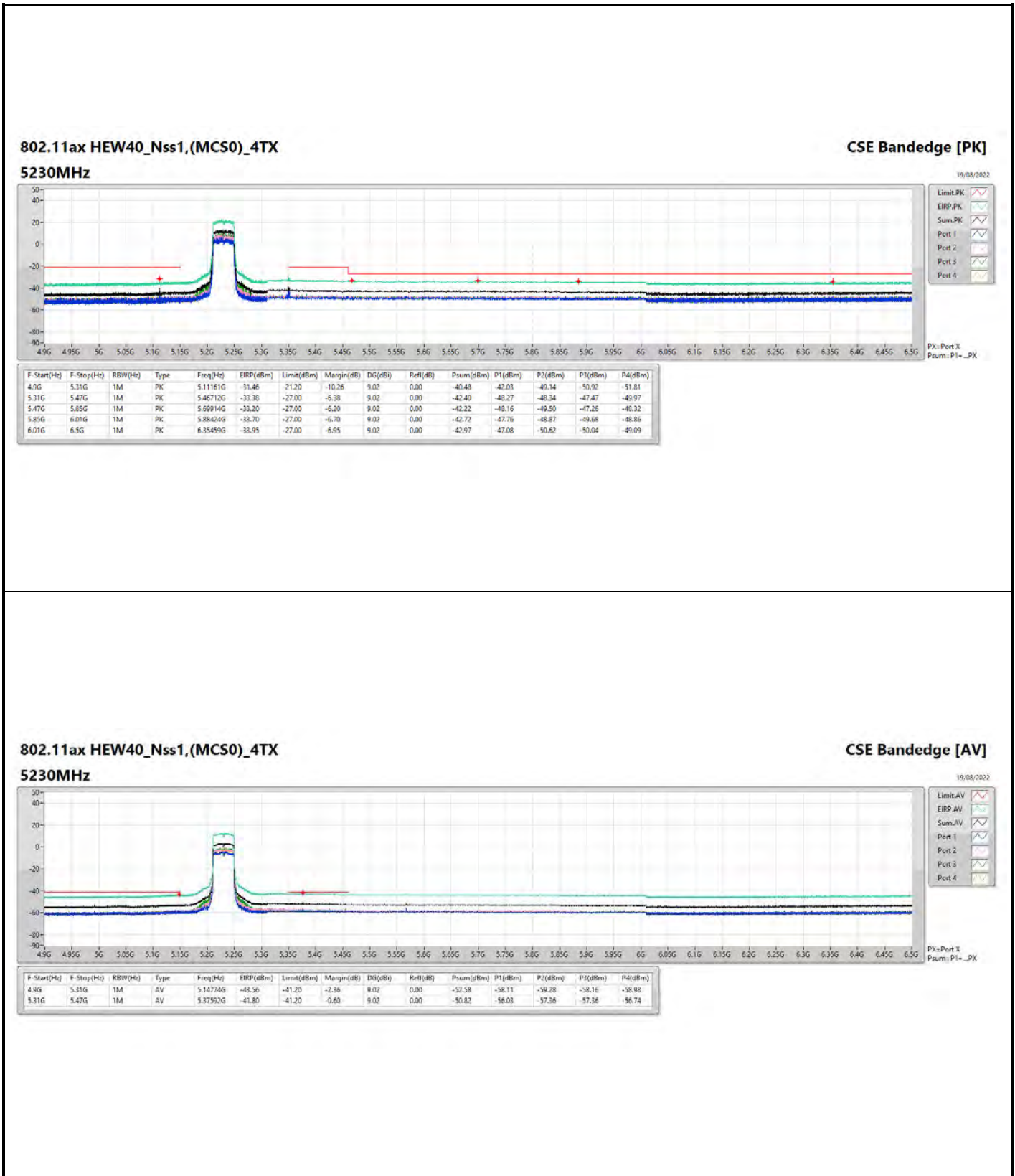




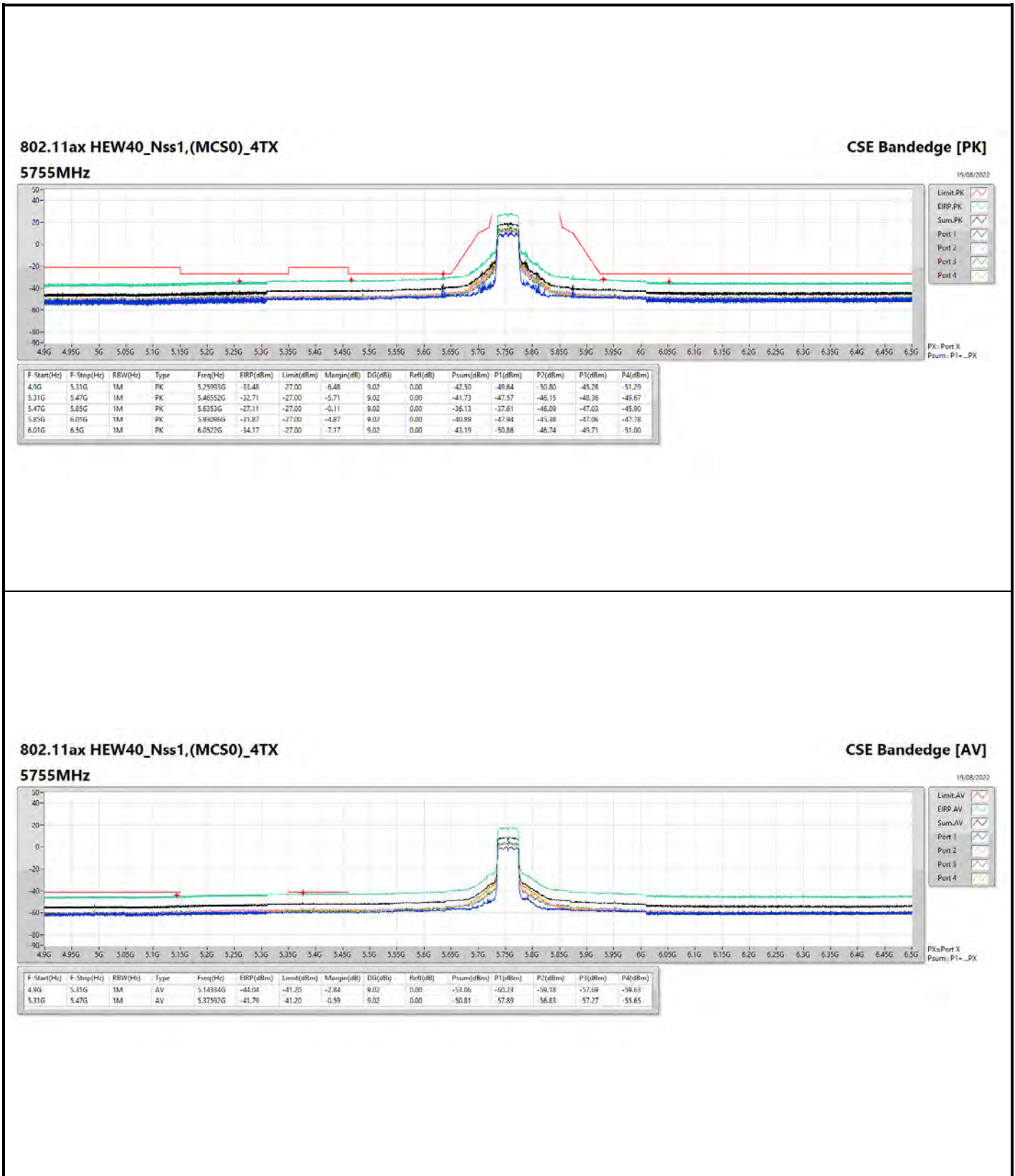


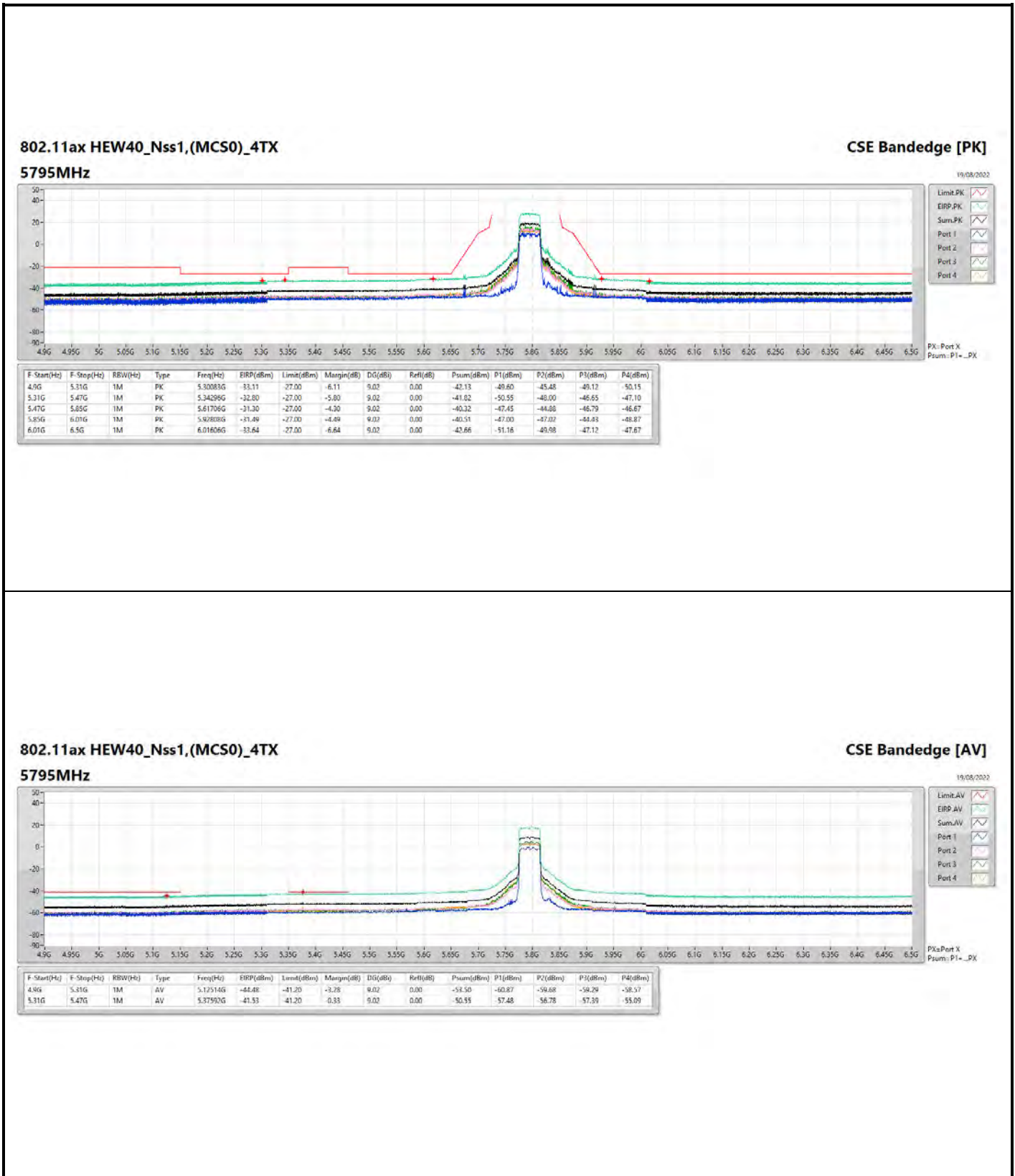


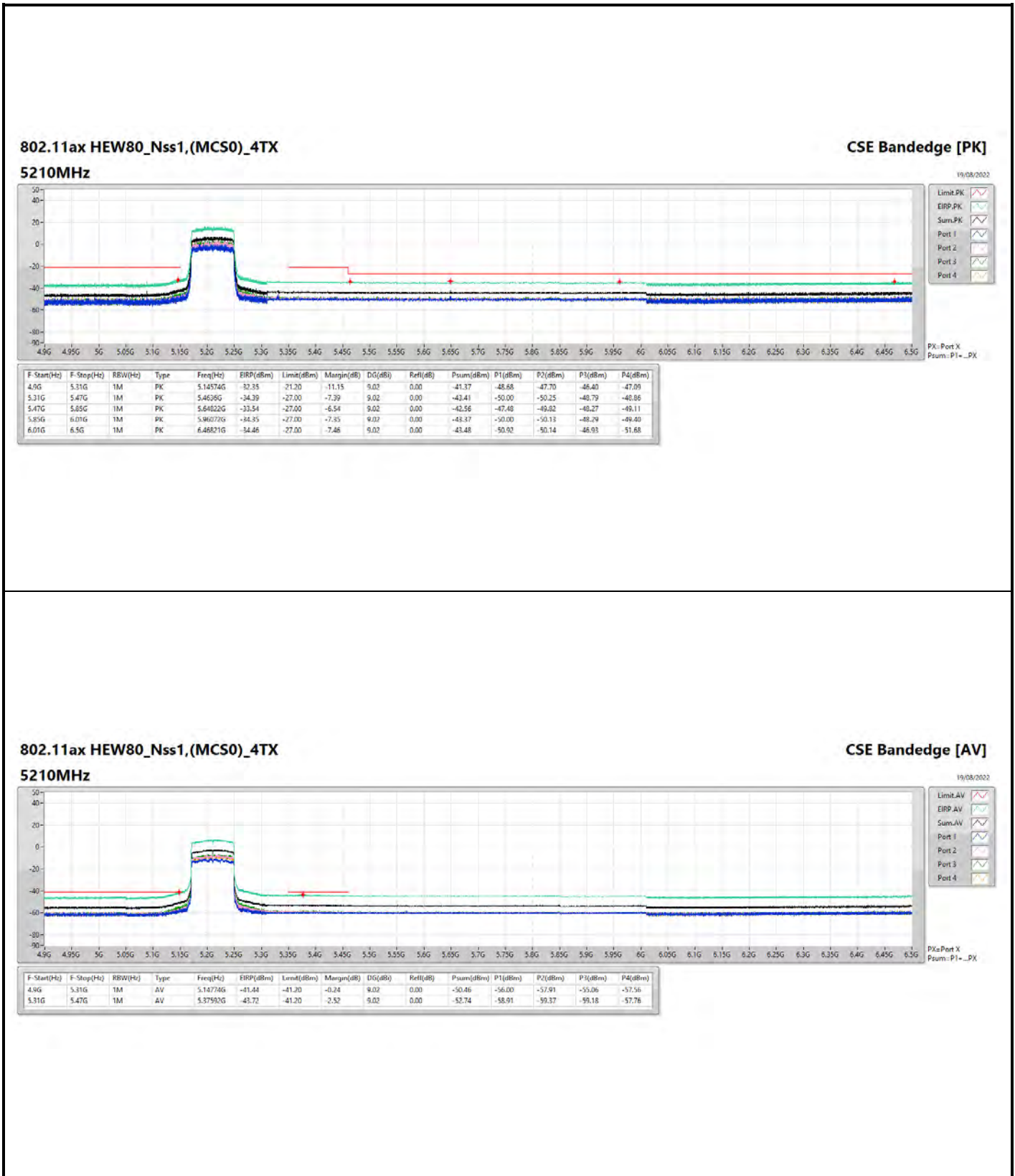


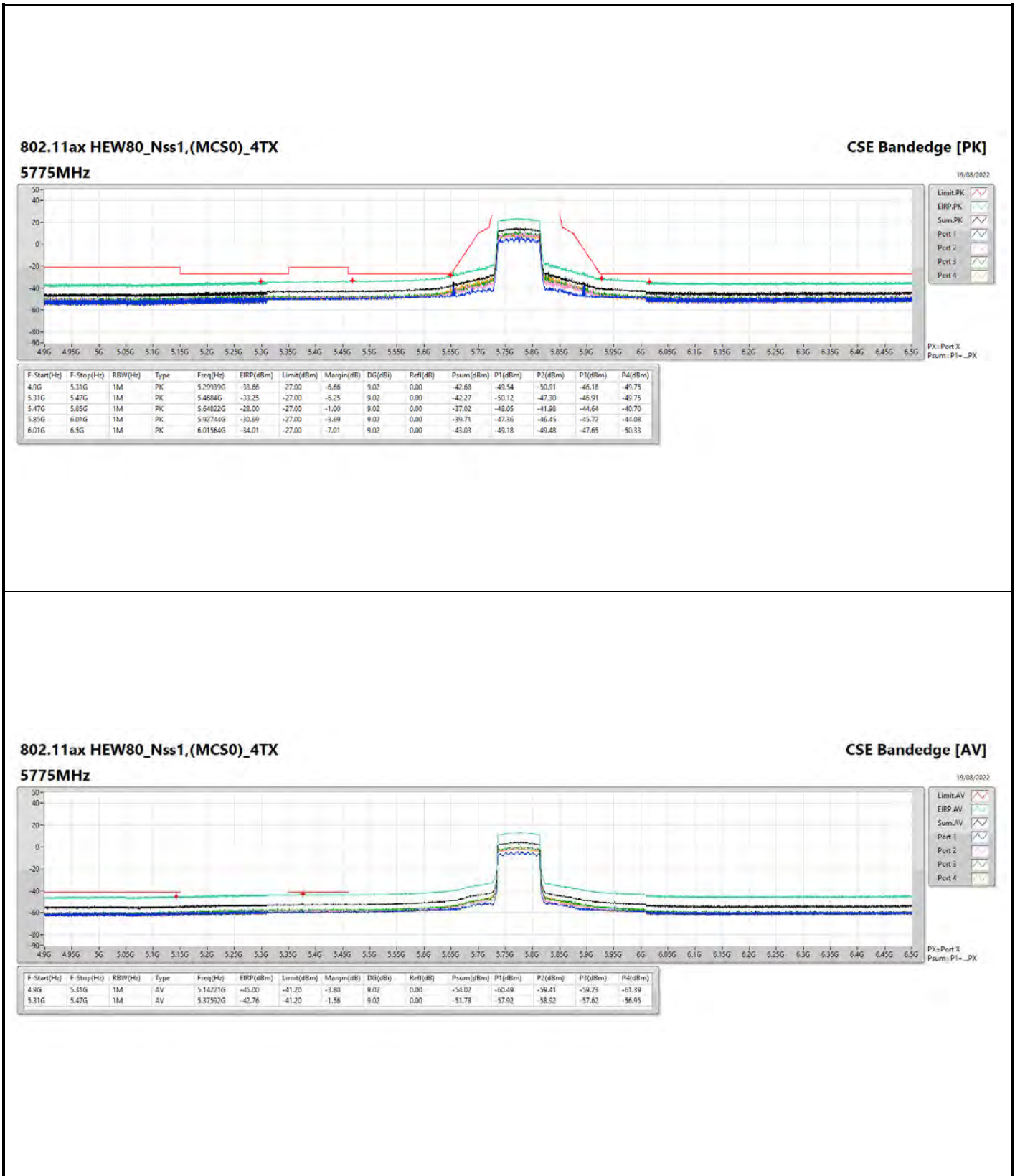
















**CSE\_Iron R1\_Antenna set 10 (Harmonic 1GHz ~ 8GHz)\_P to M Appendix E.5**

**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	5.35G	5.39G	AV	5.376G	-43.81	-41.20	-2.61	-62.34			
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	5.35G	5.39G	AV	5.37592G	-41.59	-41.20	-0.39	-60.12			
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	5.35G	5.43G	AV	5.37592G	-44.09	-41.20	-2.89	-62.62			
802.11ax HEW80_Nss1,(MCS0)_1TX	Pass	5.35G	5.51G	AV	5.37592G	-44.43	-41.20	-3.23	-62.96			
802.11a_Nss1,(6Mbps)_2TX	Pass	5.35G	5.39G	AV	5.376G	-42.57	-41.20	-1.37	-62.60	-66.45		
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	5.35G	5.39G	AV	5.376G	-42.25	-41.20	-1.05	-62.94	-64.86		
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	5.35G	5.43G	AV	5.37592G	-43.28	-41.20	-2.08	-63.04	-67.90		
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	5.35G	5.51G	AV	5.37592G	-45.09	-41.20	-3.89	-65.76	-67.71		
802.11a_Nss1,(6Mbps)_4TX	Pass	5.35G	5.39G	AV	5.37592G	-43.51	-41.20	-2.31	-67.92	-70.04	-67.24	-67.54
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	5.35G	5.39G	AV	5.37592G	-43.60	-41.20	-2.40	-68.06	-70.21	-67.43	-67.46
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	5.35G	5.43G	AV	5.37592G	-43.46	-41.20	-2.26	-66.84	-70.43	-67.53	-68.02
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	5.35G	5.51G	AV	5.37592G	-44.09	-41.20	-2.89	-68.20	-70.49	-68.17	-68.12
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	1G	5.685G	AV	5.37638G	-42.33	-41.20	-1.13	-60.86			
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	1G	5.685G	AV	5.37638G	-42.18	-41.20	-0.98	-60.71			
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	5.85G	5.93G	PK	5.91592G	-24.32	-20.28	-4.04	-42.85			
802.11ax HEW80_Nss1,(MCS0)_1TX	Pass	5.565G	5.725G	PK	5.6546G	-25.74	-23.60	-2.14	-44.27			
802.11a_Nss1,(6Mbps)_2TX	Pass	1G	5.685G	AV	5.37638G	-44.03	-41.20	-2.83	-64.28	-67.42		
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	1G	5.685G	AV	5.37638G	-43.11	-41.20	-1.91	-63.00	-67.35		
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	1G	5.645G	AV	5.37617G	-42.81	-41.20	-1.61	-62.77	-66.87		
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	5.565G	5.725G	PK	5.65044G	-28.07	-26.67	-1.40	-47.48	-53.98		
802.11a_Nss1,(6Mbps)_4TX	Pass	1G	5.685G	AV	5.37638G	-43.87	-41.20	-2.67	-70.88	-71.67	-70.32	-64.77
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	1G	5.685G	AV	5.37638G	-43.69	-41.20	-2.49	-70.73	-70.11	-70.13	-64.94
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	1G	5.645G	AV	5.37617G	-43.93	-41.20	-2.73	-71.19	-71.10	-69.49	-65.20
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	1G	5.565G	AV	5.37612G	-43.62	-41.20	-2.42	-71.04	-71.26	-69.74	-64.56

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