



CSE\_Iron R1\_Antenna set 10 (Bandedge)\_P to P

Appendix E.10

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	18.53	-63.38	-64.09			-60.71	-42.18	-41.20	-0.98
5200MHz	Pass	4.9G	5.31G	PK	5.13918G	18.53	-48.12	-56.63			-47.55	-29.02	-21.20	-7.82
5200MHz	Pass	5.31G	5.47G	PK	5.46296G	18.53	-57.87	-55.76			-53.68	-35.15	-27.00	-8.15
5200MHz	Pass	5.47G	5.85G	PK	5.49394G	18.53	-58.16	-54.25			-52.77	-34.24	-27.00	-7.24
5200MHz	Pass	5.85G	6.01G	PK	5.89544G	18.53	-58.04	-55.91			-53.84	-35.31	-27.00	-8.31
5200MHz	Pass	6.01G	6.5G	PK	6.02813G	18.53	-57.21	-59.86			-55.33	-36.80	-27.00	-9.80
5240MHz	Pass	4.9G	5.31G	AV	5.13867G	18.53	-67.65	-64.76			-62.96	-44.43	-41.20	-3.23
5240MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-63.47	-65.08			-61.19	-42.66	-41.20	-1.46
5240MHz	Pass	4.9G	5.31G	PK	5.11945G	18.53	-46.23	-58.43			-45.98	-27.45	-21.20	-6.25
5240MHz	Pass	5.31G	5.47G	PK	5.35992G	18.53	-46.56	-53.64			-45.78	-27.25	-21.20	-6.05
5240MHz	Pass	5.47G	5.85G	PK	5.56842G	18.53	-55.24	-56.49			-52.81	-34.28	-27.00	-7.28
5240MHz	Pass	5.85G	6.01G	PK	5.95208G	18.53	-57.79	-56.43			-54.05	-35.52	-27.00	-8.52
5240MHz	Pass	6.01G	6.5G	PK	6.38148G	18.53	-56.17	-60.05			-54.68	-36.15	-27.00	-9.15
5745MHz	Pass	4.9G	5.31G	AV	4.99184G	18.53	-67.70	-69.65			-65.56	-47.03	-41.20	-5.83
5745MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-66.83	-68.29			-64.49	-45.96	-41.20	-4.76
5745MHz	Pass	4.9G	5.31G	PK	5.30467G	18.53	-60.99	-56.19			-54.95	-36.42	-27.00	-9.42
5745MHz	Pass	5.31G	5.47G	PK	5.31256G	18.53	-56.43	-59.30			-54.62	-36.09	-27.00	-9.09
5745MHz	Pass	5.47G	5.85G	PK	5.62466G	18.53	-45.78	-58.47			-45.55	-27.02	-27.00	-0.02
5745MHz	Pass	5.85G	6.01G	PK	5.93448G	18.53	-55.86	-57.11			-53.43	-34.90	-27.00	-7.90
5745MHz	Pass	6.01G	6.5G	PK	6.48873G	18.53	-57.50	-57.48			-54.48	-35.95	-27.00	-8.95
5785MHz	Pass	4.9G	5.31G	AV	4.99189G	18.53	-66.27	-67.81			-63.96	-45.43	-41.20	-4.23
5785MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-64.02	-63.88			-60.94	-42.41	-41.20	-1.21
5785MHz	Pass	4.9G	5.31G	PK	5.30093G	18.53	-59.52	-52.28			-51.53	-33.00	-27.00	-6.00
5785MHz	Pass	5.31G	5.47G	PK	5.46712G	18.53	-56.93	-51.62			-50.50	-31.97	-27.00	-4.97
5785MHz	Pass	5.47G	5.85G	PK	5.5802G	18.53	-52.59	-47.81			-46.56	-28.03	-27.00	-1.03
5785MHz	Pass	5.85G	6.01G	PK	5.96072G	18.53	-53.73	-50.22			-48.62	-30.09	-27.00	-3.09
5785MHz	Pass	6.01G	6.5G	PK	6.01012G	18.53	-54.70	-54.28			-51.47	-32.94	-27.00	-5.94
5825MHz	Pass	4.9G	5.31G	AV	4.99189G	18.53	-67.71	-69.42			-65.47	-46.94	-41.20	-5.74
5825MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-66.73	-67.01			-63.86	-45.33	-41.20	-4.13
5825MHz	Pass	4.9G	5.31G	PK	5.27566G	18.53	-60.38	-55.08			-53.96	-35.43	-27.00	-8.43
5825MHz	Pass	5.31G	5.47G	PK	5.46392G	18.53	-58.19	-54.55			-52.99	-34.46	-27.00	-7.46
5825MHz	Pass	5.47G	5.85G	PK	5.61706G	18.53	-55.19	-52.33			-50.52	-31.99	-27.00	-4.99
5825MHz	Pass	5.85G	6.01G	PK	5.9444G	18.53	-47.45	-56.00			-46.88	-28.35	-27.00	-1.35
5825MHz	Pass	6.01G	6.5G	PK	6.01025G	18.53	-58.63	-54.44			-53.04	-34.51	-27.00	-7.51
802.11ax HEW20_Nss1,(MCS0)_2TX														
5180MHz	Pass	4.9G	5.31G	AV	5.14954G	18.53	-64.86	-63.31			-61.01	-42.48	-41.20	-1.28
5180MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-61.46	-64.66			-59.76	-41.23	-41.20	-0.03
5180MHz	Pass	4.9G	5.31G	PK	5.14979G	18.53	-53.13	-52.46			-49.77	-31.24	-21.20	-10.04
5180MHz	Pass	5.31G	5.47G	PK	5.4668G	18.53	-56.51	-55.25			-52.82	-34.29	-27.00	-7.29
5180MHz	Pass	5.47G	5.85G	PK	5.56804G	18.53	-52.53	-55.97			-50.91	-32.38	-27.00	-5.38
5180MHz	Pass	5.85G	6.01G	PK	5.95176G	18.53	-54.56	-57.48			-52.77	-34.24	-27.00	-7.24
5180MHz	Pass	6.01G	6.5G	PK	6.01796G	18.53	-57.82	-57.74			-54.77	-36.24	-27.00	-9.24
5200MHz	Pass	4.9G	5.31G	AV	4.99194G	18.53	-64.10	-69.47			-62.99	-44.46	-41.20	-3.26
5200MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-61.07	-66.99			-60.08	-41.55	-41.20	-0.35
5200MHz	Pass	4.9G	5.31G	PK	5.07881G	18.53	-50.42	-60.95			-50.05	-31.52	-21.20	-10.32
5200MHz	Pass	5.31G	5.47G	PK	5.46424G	18.53	-54.89	-56.38			-52.56	-34.03	-27.00	-7.03
5200MHz	Pass	5.47G	5.85G	PK	5.56804G	18.53	-52.97	-56.63			-51.09	-32.56	-27.00	-5.56
5200MHz	Pass	5.85G	6.01G	PK	5.95208G	18.53	-54.99	-57.87			-53.19	-34.66	-27.00	-7.66
5200MHz	Pass	6.01G	6.5G	PK	6.4001G	18.53	-58.96	-57.11			-54.93	-36.40	-27.00	-9.40
5240MHz	Pass	4.9G	5.31G	AV	5.04683G	18.53	-67.36	-66.75			-64.03	-45.50	-41.20	-4.30
5240MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-63.66	-66.56			-61.86	-43.33	-41.20	-2.13
5240MHz	Pass	4.9G	5.31G	PK	5.12207G	18.53	-54.16	-58.30			-52.74	-34.21	-21.20	-13.01
5240MHz	Pass	5.31G	5.47G	PK	5.46968G	18.53	-57.85	-55.21			-53.32	-34.79	-27.00	-7.79
5240MHz	Pass	5.47G	5.85G	PK	5.56766G	18.53	-55.67	-56.13			-52.88	-34.35	-27.00	-7.35
5240MHz	Pass	5.85G	6.01G	PK	5.89512G	18.53	-58.26	-55.51			-53.66	-35.13	-27.00	-8.13
5240MHz	Pass	6.01G	6.5G	PK	6.07395G	18.53	-57.86	-57.97			-54.90	-36.37	-27.00	-9.37
5745MHz	Pass	4.9G	5.31G	AV	4.99194G	18.53	-66.43	-68.47			-64.32	-45.79	-41.20	-4.59
5745MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-64.39	-64.38			-61.37	-42.84	-41.20	-1.64
5745MHz	Pass	4.9G	5.31G	PK	5.28253G	18.53	-56.89	-53.20			-51.65	-33.12	-27.00	-6.12
5745MHz	Pass	5.31G	5.47G	PK	5.3276G	18.53	-57.52	-51.72			-50.71	-32.18	-27.00	-5.18
5745MHz	Pass	5.47G	5.85G	PK	5.5479G	18.53	-53.42	-47.63			-46.61	-28.08	-27.00	-1.08
5745MHz	Pass	5.85G	6.01G	PK	5.93032G	18.53	-54.46	-50.17			-48.80	-30.27	-27.00	-3.27
5745MHz	Pass	6.01G	6.5G	PK	6.01557G	18.53	-57.84	-53.12			-51.86	-33.33	-27.00	-6.33
5785MHz	Pass	4.9G	5.31G	AV	4.99189G	18.53	-63.93	-68.87			-62.72	-44.19	-41.20	-2.99
5785MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-61.64	-64.31			-59.76	-41.23	-41.20	-0.03
5785MHz	Pass	4.9G	5.31G	PK	5.28602G	18.53	-57.21	-52.44			-51.19	-32.66	-27.00	-5.66
5785MHz	Pass	5.31G	5.47G	PK	5.34872G	18.53	-54.84	-51.67			-49.96	-31.43	-27.00	-4.43
5785MHz	Pass	5.47G	5.85G	PK	5.59692G	18.53	-49.80	-48.06			-45.83	-27.30	-27.00	-0.30
5785MHz	Pass	5.85G	6.01G	PK	5.9732G	18.53	-51.79	-49.86			-47.71	-29.18	-27.00	-2.18
5785MHz	Pass	6.01G	6.5G	PK	6.03076G	18.53	-53.29	-55.46			-51.23	-32.70	-27.00	-5.70



CSE\_Iron R1\_Antenna set 10 (Bandedge)\_P to P

Appendix E.10

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	4.99189G	18.53	-65.98	-67.88			-63.82	-45.29	-41.20	-4.09
5825MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-64.02	-63.90			-60.95	-42.42	-41.20	-1.22
5825MHz	Pass	4.9G	5.31G	PK	5.24122G	18.53	-57.29	-52.37			-51.16	-32.63	-27.00	-5.63
5825MHz	Pass	5.31G	5.47G	PK	5.46584G	18.53	-56.09	-52.31			-50.79	-32.26	-27.00	-5.26
5825MHz	Pass	5.47G	5.85G	PK	5.62504G	18.53	-52.10	-48.36			-46.83	-28.30	-27.00	-1.30
5825MHz	Pass	5.85G	6.01G	PK	5.93032G	18.53	-52.72	-49.75			-47.98	-29.45	-27.00	-2.45
5825MHz	Pass	6.01G	6.5G	PK	6.01392G	18.53	-56.89	-50.74			-49.80	-31.27	-27.00	-4.27
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.9G	5.31G	AV	5.14969G	18.53	-65.73	-61.84			-60.35	-41.82	-41.20	-0.62
5190MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-64.32	-65.58			-61.89	-43.36	-41.20	-2.16
5190MHz	Pass	4.9G	5.31G	PK	5.07189G	18.53	-48.08	-57.78			-47.64	-29.11	-21.20	-7.91
5190MHz	Pass	5.31G	5.47G	PK	5.47G	18.53	-58.88	-54.34			-53.03	-34.50	-27.00	-7.50
5190MHz	Pass	5.47G	5.85G	PK	5.72992G	18.53	-58.41	-53.58			-52.35	-33.82	-27.00	-6.82
5190MHz	Pass	5.85G	6.01G	PK	5.86312G	18.53	-58.91	-55.49			-53.86	-35.33	-27.00	-8.33
5190MHz	Pass	6.01G	6.5G	PK	6.06923G	18.53	-60.14	-56.80			-55.15	-36.62	-27.00	-9.62
5230MHz	Pass	4.9G	5.31G	AV	5.14841G	18.53	-68.29	-66.25			-64.14	-45.61	-41.20	-4.41
5230MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-63.32	-66.64			-61.32	-42.79	-41.20	-1.59
5230MHz	Pass	4.9G	5.31G	PK	5.10982G	18.53	-45.49	-59.70			-45.33	-26.80	-21.20	-5.60
5230MHz	Pass	5.31G	5.47G	PK	5.35032G	18.53	-46.50	-54.97			-45.92	-27.39	-21.20	-6.19
5230MHz	Pass	5.47G	5.85G	PK	5.60946G	18.53	-55.62	-55.40			-52.50	-33.97	-27.00	-6.97
5230MHz	Pass	5.85G	6.01G	PK	5.86632G	18.53	-57.73	-54.62			-52.89	-34.36	-27.00	-7.36
5230MHz	Pass	6.01G	6.5G	PK	6.32268G	18.53	-57.45	-58.47			-54.92	-36.39	-27.00	-9.39
5755MHz	Pass	4.9G	5.31G	AV	4.99189G	18.53	-68.36	-69.87			-66.04	-47.51	-41.20	-6.31
5755MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-67.00	-67.03			-64.00	-45.47	-41.20	-4.27
5755MHz	Pass	4.9G	5.31G	PK	5.21949G	18.53	-56.97	-57.34			-54.14	-35.61	-27.00	-8.61
5755MHz	Pass	5.31G	5.47G	PK	5.46296G	18.53	-57.65	-55.83			-53.64	-35.11	-27.00	-8.11
5755MHz	Pass	5.47G	5.85G	PK	5.63378G	18.53	-46.56	-54.89			-45.96	-27.43	-27.00	-0.43
5755MHz	Pass	5.85G	6.01G	PK	5.93736G	18.53	-56.99	-54.19			-52.36	-33.83	-27.00	-6.83
5755MHz	Pass	6.01G	6.5G	PK	6.03579G	18.53	-56.01	-58.28			-53.99	-35.46	-27.00	-8.46
5795MHz	Pass	4.9G	5.31G	AV	4.99184G	18.53	-66.62	-68.04			-64.26	-45.73	-41.20	-4.53
5795MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-64.09	-63.98			-61.02	-42.49	-41.20	-1.29
5795MHz	Pass	4.9G	5.31G	PK	5.25286G	18.53	-58.29	-52.63			-51.59	-33.06	-27.00	-6.06
5795MHz	Pass	5.31G	5.47G	PK	5.34456G	18.53	-58.39	-50.92			-50.20	-31.67	-27.00	-4.67
5795MHz	Pass	5.47G	5.85G	PK	5.59502G	18.53	-53.40	-48.58			-47.34	-28.81	-27.00	-1.81
5795MHz	Pass	5.85G	6.01G	PK	5.92744G	18.53	-53.34	-50.55			-48.71	-30.18	-27.00	-3.18
5795MHz	Pass	6.01G	6.5G	PK	6.02384G	18.53	-56.66	-51.59			-50.41	-31.88	-27.00	-4.88
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.9G	5.31G	AV	5.14928G	18.53	-65.74	-61.98			-60.45	-41.92	-41.20	-0.72
5210MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-64.18	-65.20			-61.65	-43.12	-41.20	-1.92
5210MHz	Pass	4.9G	5.31G	PK	5.08993G	18.53	-46.23	-59.18			-46.02	-27.49	-21.20	-6.29
5210MHz	Pass	5.31G	5.47G	PK	5.46584G	18.53	-57.02	-55.12			-52.96	-34.43	-27.00	-7.43
5210MHz	Pass	5.47G	5.85G	PK	5.62542G	18.53	-57.46	-54.22			-52.53	-34.00	-27.00	-7.00
5210MHz	Pass	5.85G	6.01G	PK	5.85864G	18.53	-58.33	-55.25			-53.51	-34.98	-27.00	-7.98
5210MHz	Pass	6.01G	6.5G	PK	6.25727G	18.53	-58.23	-58.90			-55.54	-37.01	-27.00	-10.01
5775MHz	Pass	4.9G	5.31G	AV	4.99189G	18.53	-67.99	-69.12			-65.51	-46.98	-41.20	-5.78
5775MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-66.70	-67.09			-63.88	-45.35	-41.20	-4.15
5775MHz	Pass	4.9G	5.31G	PK	5.26464G	18.53	-59.70	-55.04			-53.76	-35.23	-27.00	-8.23
5775MHz	Pass	5.31G	5.47G	PK	5.46688G	18.53	-58.95	-55.02			-53.54	-35.01	-27.00	-8.01
5775MHz	Pass	5.47G	5.85G	PK	5.65012G	18.53	-46.22	-54.59			-45.63	-27.10	-26.91	-0.19
5775MHz	Pass	5.85G	6.01G	PK	5.93416G	18.53	-51.37	-54.68			-49.71	-31.18	-27.00	-4.18
5775MHz	Pass	6.01G	6.5G	PK	6.01368G	18.53	-59.52	-55.51			-54.06	-35.53	-27.00	-8.53
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.9G	5.31G	AV	4.99199G	18.53	-69.92	-70.88	-70.10	-68.23	-63.65	-45.12	-41.20	-3.92
5180MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-68.54	-69.75	-69.02	-68.51	-62.91	-44.38	-41.20	-3.18
5180MHz	Pass	4.9G	5.31G	PK	4.96094G	18.53	-60.60	-61.97	-59.82	-60.37	-54.60	-36.07	-21.20	-14.87
5180MHz	Pass	5.31G	5.47G	PK	5.46584G	18.53	-59.47	-59.41	-58.20	-59.81	-53.16	-34.63	-27.00	-7.63
5180MHz	Pass	5.47G	5.85G	PK	5.56766G	18.53	-58.75	-59.27	-59.59	-59.17	-53.16	-34.63	-27.00	-7.63
5180MHz	Pass	5.85G	6.01G	PK	5.98056G	18.53	-59.90	-59.10	-59.35	-59.02	-53.31	-34.78	-27.00	-7.78
5180MHz	Pass	6.01G	6.5G	PK	6.47869G	18.53	-58.64	-57.69	-60.11	-59.39	-52.84	-34.31	-27.00	-7.31
5200MHz	Pass	4.9G	5.31G	AV	4.99179G	18.53	-70.65	-71.50	-69.93	-67.77	-63.71	-45.18	-41.20	-3.98
5200MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-68.69	-70.10	-69.12	-68.84	-63.13	-44.60	-41.20	-3.40
5200MHz	Pass	4.9G	5.31G	PK	4.94474G	18.53	-58.35	-60.30	-60.69	-61.62	-54.05	-35.52	-21.20	-14.32
5200MHz	Pass	5.31G	5.47G	PK	5.46232G	18.53	-60.48	-60.41	-57.90	-60.40	-53.63	-35.10	-27.00	-8.10
5200MHz	Pass	5.47G	5.85G	PK	5.50838G	18.53	-59.40	-59.53	-58.93	-58.11	-52.94	-34.41	-27.00	-7.41
5200MHz	Pass	5.85G	6.01G	PK	5.99784G	18.53	-59.38	-59.79	-58.54	-58.87	-53.10	-34.57	-27.00	-7.57
5200MHz	Pass	6.01G	6.5G	PK	6.49394G	18.53	-58.44	-60.13	-59.05	-58.88	-53.06	-34.53	-27.00	-7.53
5240MHz	Pass	4.9G	5.31G	AV	4.99189G	18.53	-70.16	-71.20	-70.28	-67.67	-63.60	-45.07	-41.20	-3.87
5240MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-69.00	-70.10	-69.23	-68.94	-63.27	-44.74	-41.20	-3.54
5240MHz	Pass	4.9G	5.31G	PK	4.99215G	18.53	-57.86	-62.65	-62.82	-58.64	-53.90	-35.37	-21.20	-14.17
5240MHz	Pass	5.31G	5.47G	PK	5.46392G	18.53	-59.66	-60.25	-59.30	-58.80	-53.45	-34.92	-27.00	-7.92



CSE\_Iron R1\_Antenna set 10 (Bandedge)\_P to P

Appendix E.10

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)
5240MHz	Pass	5.47G	5.85G	PK	5.8253G	18.53	-59.84	-59.81	-59.79	-57.26	-53.00	-34.47	-27.00	-7.47
5240MHz	Pass	5.85G	6.01G	PK	5.87656G	18.53	-59.94	-58.03	-59.65	-58.97	-53.06	-34.53	-27.00	-7.53
5240MHz	Pass	6.01G	6.5G	PK	6.45719G	18.53	-56.96	-60.37	-58.30	-59.27	-52.52	-33.99	-27.00	-6.99
5745MHz	Pass	4.9G	5.31G	AV	4.99194G	18.53	-70.14	-70.98	-71.23	-67.02	-63.46	-44.93	-41.20	-3.73
5745MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-69.93	-70.16	-69.90	-66.68	-62.88	-44.35	-41.20	-3.15
5745MHz	Pass	4.9G	5.31G	PK	5.26885G	18.53	-61.42	-58.21	-59.31	-59.75	-53.50	-34.97	-27.00	-7.97
5745MHz	Pass	5.31G	5.47G	PK	5.326G	18.53	-59.95	-59.88	-59.26	-59.29	-53.56	-35.03	-27.00	-8.03
5745MHz	Pass	5.47G	5.85G	PK	5.56804G	18.53	-60.18	-60.07	-58.39	-57.79	-52.96	-34.43	-27.00	-7.43
5745MHz	Pass	5.85G	6.01G	PK	5.94536G	18.53	-59.59	-58.53	-59.69	-58.81	-53.11	-34.58	-27.00	-7.58
5745MHz	Pass	6.01G	6.5G	PK	6.47066G	18.53	-58.85	-59.46	-59.95	-58.26	-53.06	-34.53	-27.00	-7.53
5785MHz	Pass	4.9G	5.31G	AV	4.99184G	18.53	-70.75	-70.80	-71.09	-66.79	-63.42	-44.89	-41.20	-3.69
5785MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-69.80	-70.15	-69.60	-66.70	-62.80	-44.27	-41.20	-3.07
5785MHz	Pass	4.9G	5.31G	PK	5.29903G	18.53	-58.68	-58.12	-60.84	-58.47	-52.89	-34.36	-27.00	-7.36
5785MHz	Pass	5.31G	5.47G	PK	5.3196G	18.53	-60.27	-58.91	-59.25	-59.63	-53.47	-34.94	-27.00	-7.94
5785MHz	Pass	5.47G	5.85G	PK	5.47494G	18.53	-57.86	-60.19	-58.77	-59.40	-52.95	-34.42	-27.00	-7.42
5785MHz	Pass	5.85G	6.01G	PK	5.94216G	18.53	-58.34	-59.42	-59.00	-59.99	-53.13	-34.60	-27.00	-7.60
5785MHz	Pass	6.01G	6.5G	PK	6.40182G	18.53	-58.86	-60.32	-58.81	-58.17	-52.95	-34.42	-27.00	-7.42
5825MHz	Pass	4.9G	5.31G	AV	4.99184G	18.53	-70.97	-70.72	-70.04	-67.93	-63.72	-45.19	-41.20	-3.99
5825MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-70.24	-70.22	-69.92	-66.72	-62.97	-44.44	-41.20	-3.24
5825MHz	Pass	4.9G	5.31G	PK	5.28919G	18.53	-60.59	-59.51	-57.61	-61.72	-53.57	-35.04	-27.00	-8.04
5825MHz	Pass	5.31G	5.47G	PK	5.3244G	18.53	-60.76	-58.86	-58.83	-59.32	-53.36	-34.83	-27.00	-7.83
5825MHz	Pass	5.47G	5.85G	PK	5.61934G	18.53	-59.55	-59.85	-57.94	-58.88	-52.97	-34.44	-27.00	-7.44
5825MHz	Pass	5.85G	6.01G	PK	5.94024G	18.53	-59.50	-59.10	-56.91	-60.00	-52.68	-34.15	-27.00	-7.15
5825MHz	Pass	6.01G	6.5G	PK	6.49969G	18.53	-61.38	-57.36	-60.36	-58.07	-52.97	-34.44	-27.00	-7.44
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.9G	5.31G	AV	4.99199G	18.53	-70.51	-70.85	-70.06	-67.42	-63.46	-44.93	-41.20	-3.73
5180MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-69.17	-69.81	-69.09	-68.71	-63.16	-44.63	-41.20	-3.43
5180MHz	Pass	4.9G	5.31G	PK	4.91312G	18.53	-60.84	-60.91	-61.31	-58.22	-54.11	-35.58	-21.20	-14.38
5180MHz	Pass	5.31G	5.47G	PK	5.47G	18.53	-58.96	-58.83	-59.58	-59.06	-53.08	-34.55	-27.00	-7.55
5180MHz	Pass	5.47G	5.85G	PK	5.80022G	18.53	-60.06	-58.98	-57.41	-59.86	-52.92	-34.39	-27.00	-7.39
5180MHz	Pass	5.85G	6.01G	PK	5.99848G	18.53	-59.31	-59.41	-57.54	-59.50	-52.84	-34.31	-27.00	-7.31
5180MHz	Pass	6.01G	6.5G	PK	6.4627G	18.53	-58.33	-57.82	-59.71	-60.52	-52.94	-34.41	-27.00	-7.41
5200MHz	Pass	4.9G	5.31G	AV	4.99194G	18.53	-70.32	-71.20	-71.25	-67.44	-63.73	-45.20	-41.20	-4.00
5200MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-68.38	-70.04	-68.96	-68.68	-62.95	-44.42	-41.20	-3.22
5200MHz	Pass	4.9G	5.31G	PK	5.14892G	18.53	-62.11	-62.49	-58.12	-60.44	-54.41	-35.88	-21.20	-14.68
5200MHz	Pass	5.31G	5.47G	PK	5.46936G	18.53	-60.40	-60.17	-58.94	-58.65	-53.45	-34.92	-27.00	-7.92
5200MHz	Pass	5.47G	5.85G	PK	5.68622G	18.53	-60.51	-59.65	-58.12	-58.20	-52.99	-34.46	-27.00	-7.46
5200MHz	Pass	5.85G	6.01G	PK	5.97288G	18.53	-58.64	-58.81	-60.33	-59.53	-53.26	-34.73	-27.00	-7.73
5200MHz	Pass	6.01G	6.5G	PK	6.46539G	18.53	-59.34	-57.70	-60.06	-58.25	-52.72	-34.19	-27.00	-7.19
5240MHz	Pass	4.9G	5.31G	AV	4.99194G	18.53	-70.93	-71.28	-70.29	-67.52	-63.71	-45.18	-41.20	-3.98
5240MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-68.70	-69.97	-69.28	-68.53	-63.06	-44.53	-41.20	-3.33
5240MHz	Pass	4.9G	5.31G	PK	4.94818G	18.53	-60.12	-59.97	-61.28	-61.51	-54.65	-36.12	-21.20	-14.92
5240MHz	Pass	5.31G	5.47G	PK	5.4652G	18.53	-60.47	-59.69	-60.82	-58.47	-53.75	-35.22	-27.00	-8.22
5240MHz	Pass	5.47G	5.85G	PK	5.6885G	18.53	-60.74	-58.53	-59.46	-56.89	-52.66	-34.13	-27.00	-7.13
5240MHz	Pass	5.85G	6.01G	PK	5.99496G	18.53	-60.65	-58.18	-57.77	-59.28	-52.81	-34.28	-27.00	-7.28
5240MHz	Pass	6.01G	6.5G	PK	6.49363G	18.53	-58.81	-59.74	-58.12	-58.24	-52.66	-34.13	-27.00	-7.13
5745MHz	Pass	4.9G	5.31G	AV	4.99184G	18.53	-71.10	-69.90	-70.22	-67.33	-63.37	-44.84	-41.20	-3.64
5745MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-70.40	-70.30	-69.53	-66.28	-62.75	-44.22	-41.20	-3.02
5745MHz	Pass	4.9G	5.31G	PK	5.26844G	18.53	-59.03	-60.44	-58.31	-62.26	-53.74	-35.21	-27.00	-8.21
5745MHz	Pass	5.31G	5.47G	PK	5.34552G	18.53	-60.67	-59.51	-57.31	-60.01	-53.16	-34.63	-27.00	-7.63
5745MHz	Pass	5.47G	5.85G	PK	5.47494G	18.53	-58.87	-58.71	-59.42	-60.14	-53.23	-34.70	-27.00	-7.70
5745MHz	Pass	5.85G	6.01G	PK	5.95208G	18.53	-60.23	-59.20	-59.94	-57.38	-53.02	-34.49	-27.00	-7.49
5745MHz	Pass	6.01G	6.5G	PK	6.39459G	18.53	-59.12	-61.63	-60.60	-57.11	-53.25	-34.72	-27.00	-7.72
5785MHz	Pass	4.9G	5.31G	AV	4.99199G	18.53	-70.58	-70.48	-70.60	-67.36	-63.49	-44.96	-41.20	-3.76
5785MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-69.90	-70.03	-69.84	-66.50	-62.76	-44.23	-41.20	-3.03
5785MHz	Pass	4.9G	5.31G	PK	5.29796G	18.53	-58.82	-59.75	-60.42	-59.89	-53.66	-35.13	-27.00	-8.13
5785MHz	Pass	5.31G	5.47G	PK	5.33432G	18.53	-59.76	-59.59	-59.15	-60.00	-53.59	-35.06	-27.00	-8.06
5785MHz	Pass	5.47G	5.85G	PK	5.56044G	18.53	-59.51	-59.67	-57.92	-59.82	-53.14	-34.61	-27.00	-7.61
5785MHz	Pass	5.85G	6.01G	PK	5.95208G	18.53	-59.41	-60.48	-58.53	-57.89	-52.95	-34.42	-27.00	-7.42
5785MHz	Pass	6.01G	6.5G	PK	6.38877G	18.53	-58.33	-59.47	-59.11	-59.55	-53.07	-34.54	-27.00	-7.54
5825MHz	Pass	4.9G	5.31G	AV	4.99189G	18.53	-70.66	-70.80	-70.70	-67.18	-63.51	-44.98	-41.20	-3.78
5825MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-70.25	-69.74	-69.73	-66.70	-62.83	-44.30	-41.20	-3.10
5825MHz	Pass	4.9G	5.31G	PK	5.29949G	18.53	-60.21	-58.55	-61.08	-59.80	-53.79	-35.26	-27.00	-8.26
5825MHz	Pass	5.31G	5.47G	PK	5.31064G	18.53	-60.61	-59.32	-58.05	-59.70	-53.30	-34.77	-27.00	-7.77
5825MHz	Pass	5.47G	5.85G	PK	5.48026G	18.53	-59.01	-59.32	-58.24	-58.58	-52.75	-34.22	-27.00	-7.22
5825MHz	Pass	5.85G	6.01G	PK	5.92648G	18.53	-60.22	-60.33	-59.20	-57.84	-53.26	-34.73	-27.00	-7.73
5825MHz	Pass	6.01G	6.5G	PK	6.48659G	18.53	-58.33	-58.19	-59.88	-59.47	-52.89	-34.36	-27.00	-7.36
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.9G	5.31G	AV	4.99199G	18.53	-71.66	-71.47	-69.76	-67.40	-63.69	-45.16	-41.20	-3.96
5190MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-69.42	-70.21	-68.88	-68.22	-63.10	-44.57	-41.20	-3.37

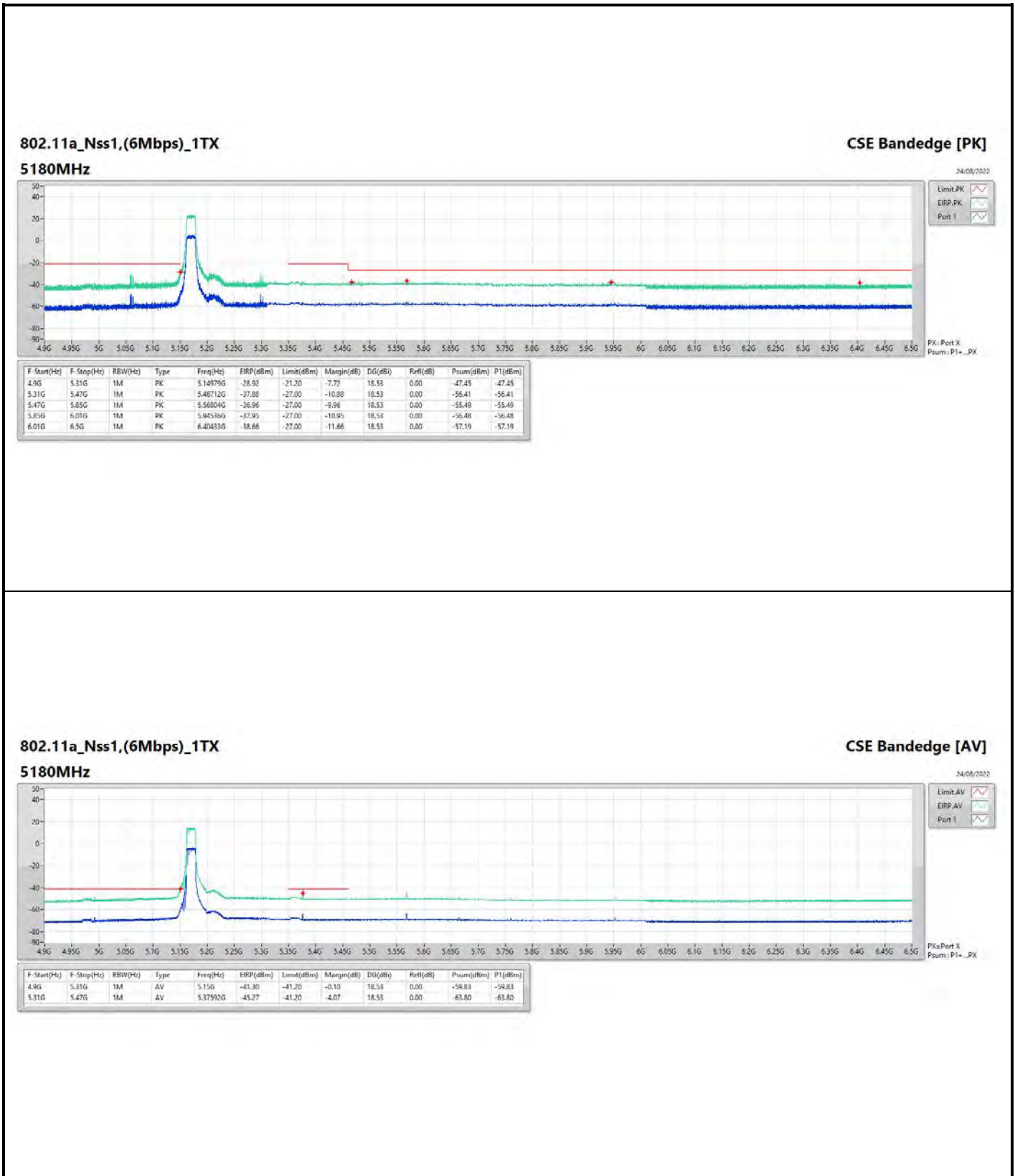


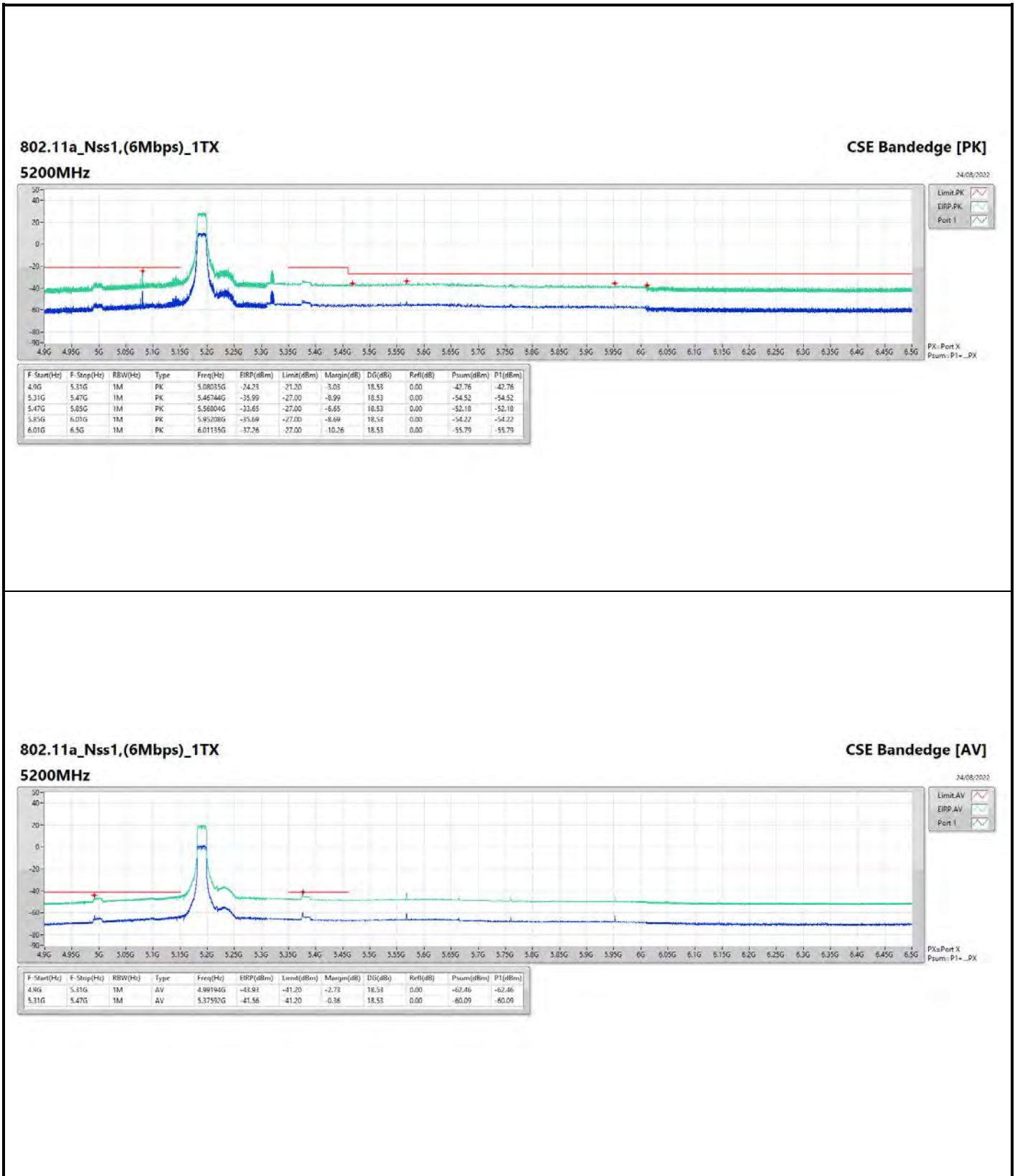
CSE\_Iron R1\_Antenna set 10 (Bandedge)\_P to P

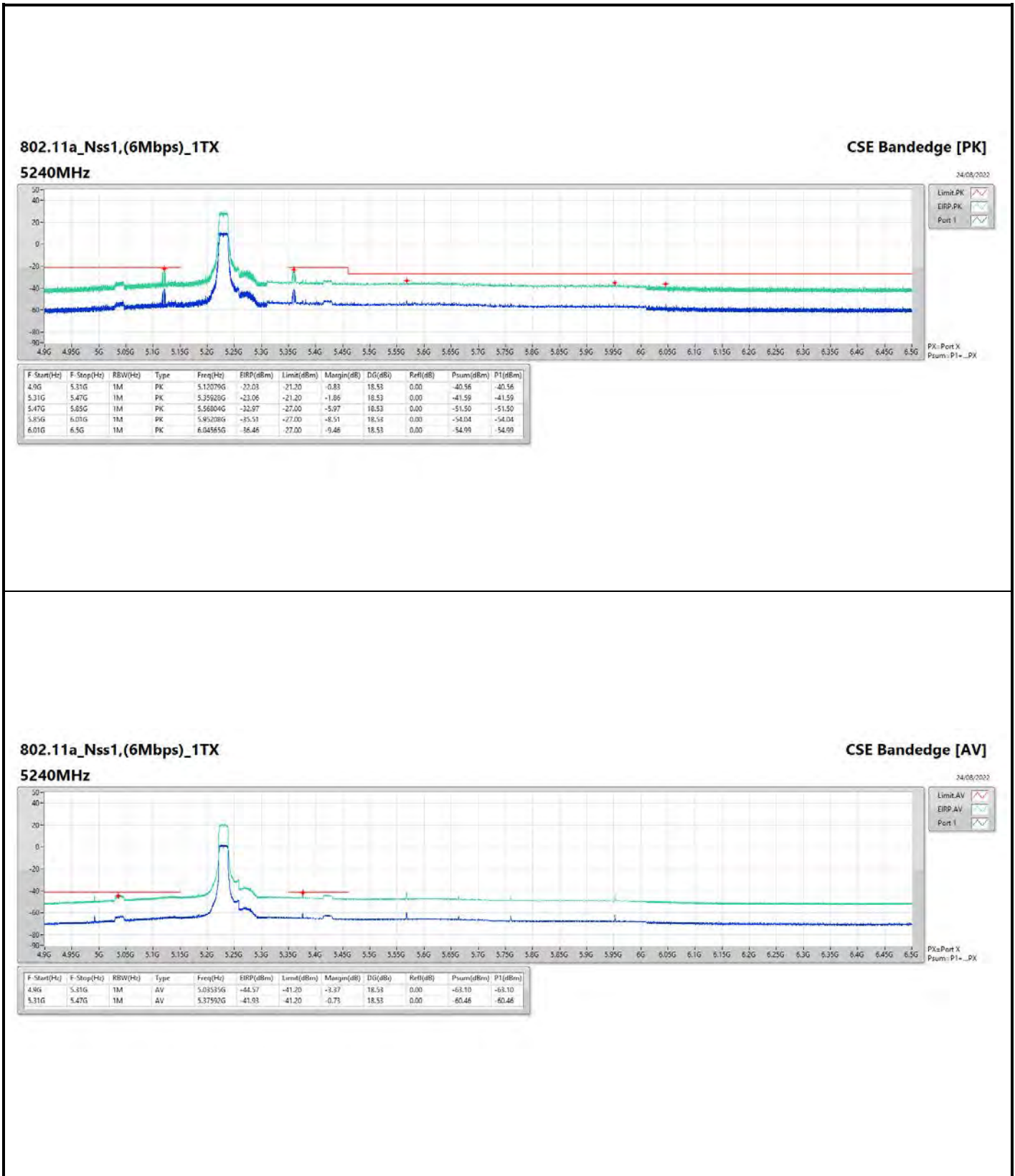
Appendix E.10

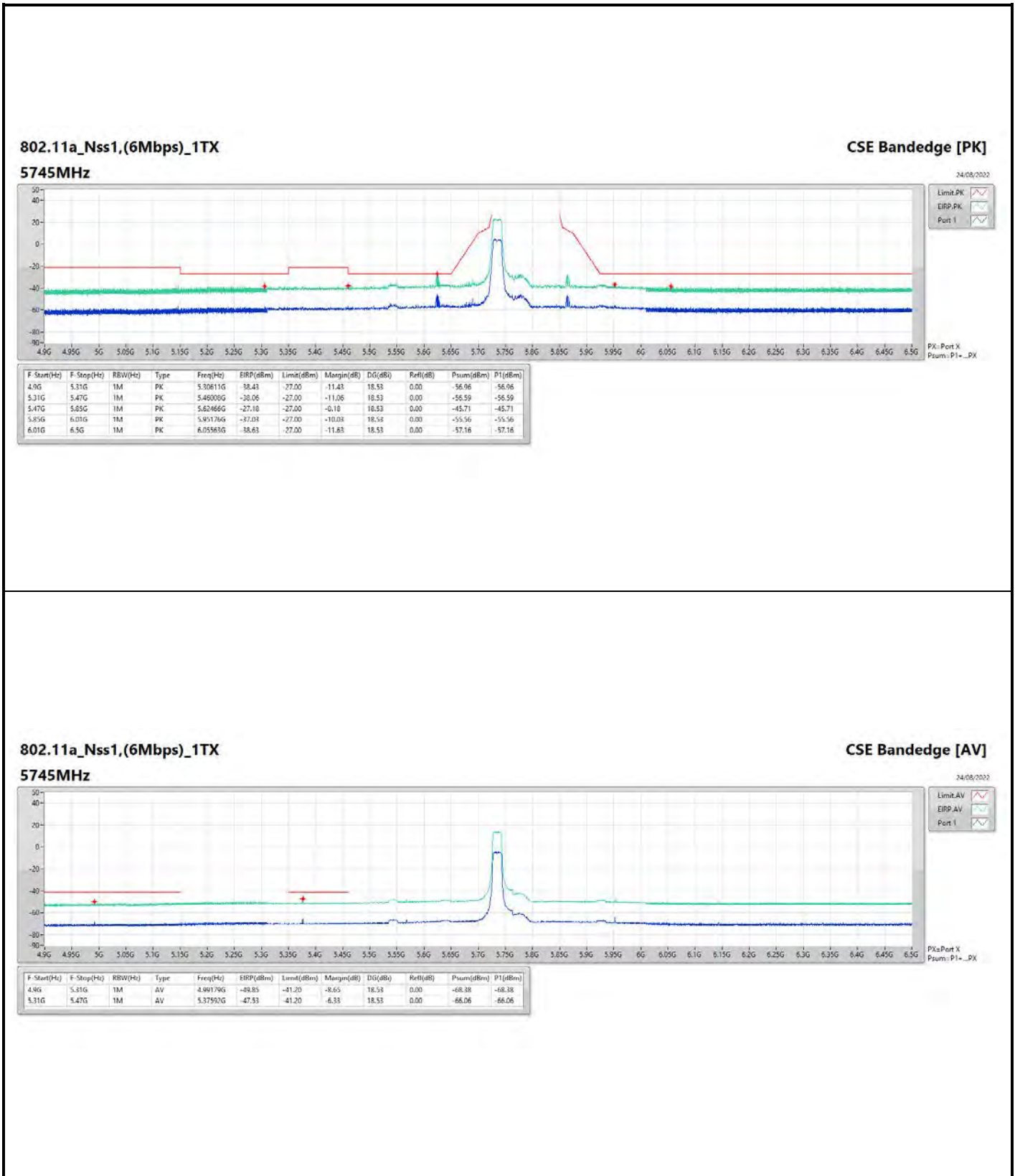
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5190MHz	Pass	4.9G	5.31G	PK	5.13729G	18.53	-59.15	-62.89	-58.58	-61.23	-54.12	-35.59	-21.20	-14.39
5190MHz	Pass	5.31G	5.47G	PK	5.46008G	18.53	-59.01	-61.07	-59.07	-57.84	-53.08	-34.55	-27.00	-7.55
5190MHz	Pass	5.47G	5.85G	PK	5.82378G	18.53	-59.70	-61.03	-57.06	-59.64	-53.09	-34.56	-27.00	-7.56
5190MHz	Pass	5.85G	6.01G	PK	5.9668G	18.53	-57.32	-59.44	-60.63	-60.47	-53.23	-34.70	-27.00	-7.70
5190MHz	Pass	6.01G	6.5G	PK	6.40384G	18.53	-59.65	-60.97	-59.04	-57.35	-53.03	-34.50	-27.00	-7.50
5230MHz	Pass	4.9G	5.31G	AV	4.99205G	18.53	-70.16	-71.09	-70.21	-68.32	-63.80	-45.27	-41.20	-4.07
5230MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-69.34	-70.16	-68.88	-69.00	-63.30	-44.77	-41.20	-3.57
5230MHz	Pass	4.9G	5.31G	PK	4.99174G	18.53	-62.50	-61.21	-59.82	-56.48	-53.36	-34.83	-21.20	-13.63
5230MHz	Pass	5.31G	5.47G	PK	5.4636G	18.53	-58.67	-59.53	-60.61	-59.91	-53.60	-35.07	-27.00	-8.07
5230MHz	Pass	5.47G	5.85G	PK	5.82074G	18.53	-58.41	-58.80	-59.23	-59.11	-52.86	-34.33	-27.00	-7.33
5230MHz	Pass	5.85G	6.01G	PK	5.96904G	18.53	-58.15	-59.50	-60.05	-59.41	-53.20	-34.67	-27.00	-7.67
5230MHz	Pass	6.01G	6.5G	PK	6.41388G	18.53	-58.52	-59.95	-59.59	-57.92	-52.90	-34.37	-27.00	-7.37
5755MHz	Pass	4.9G	5.31G	AV	4.99205G	18.53	-70.60	-70.68	-70.40	-67.36	-63.49	-44.96	-41.20	-3.76
5755MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-70.26	-70.10	-69.80	-66.76	-62.95	-44.42	-41.20	-3.22
5755MHz	Pass	4.9G	5.31G	PK	5.26003G	18.53	-58.49	-61.38	-60.60	-57.74	-53.28	-34.75	-27.00	-7.75
5755MHz	Pass	5.31G	5.47G	PK	5.33432G	18.53	-60.63	-60.99	-58.32	-58.48	-53.42	-34.89	-27.00	-7.89
5755MHz	Pass	5.47G	5.85G	PK	5.5384G	18.53	-59.73	-58.66	-58.83	-59.66	-53.17	-34.64	-27.00	-7.64
5755MHz	Pass	5.85G	6.01G	PK	6.00616G	18.53	-57.81	-59.33	-59.91	-60.32	-53.21	-34.68	-27.00	-7.68
5755MHz	Pass	6.01G	6.5G	PK	6.47446G	18.53	-60.32	-56.97	-60.36	-60.23	-53.18	-34.65	-27.00	-7.65
5795MHz	Pass	4.9G	5.31G	AV	4.99174G	18.53	-70.17	-71.27	-70.76	-67.40	-63.60	-45.07	-41.20	-3.87
5795MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-70.17	-70.06	-69.75	-66.39	-62.75	-44.22	-41.20	-3.02
5795MHz	Pass	4.9G	5.31G	PK	5.31G	18.53	-61.16	-58.61	-61.40	-58.64	-53.73	-35.20	-27.00	-8.20
5795MHz	Pass	5.31G	5.47G	PK	5.34232G	18.53	-60.88	-58.50	-58.27	-59.04	-53.04	-34.51	-27.00	-7.51
5795MHz	Pass	5.47G	5.85G	PK	5.48216G	18.53	-59.93	-58.42	-58.68	-59.69	-53.11	-34.58	-27.00	-7.58
5795MHz	Pass	5.85G	6.01G	PK	5.98184G	18.53	-59.31	-59.52	-58.57	-59.95	-53.29	-34.76	-27.00	-7.76
5795MHz	Pass	6.01G	6.5G	PK	6.40574G	18.53	-60.09	-58.58	-58.12	-59.48	-52.98	-34.45	-27.00	-7.45
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.9G	5.31G	AV	4.99194G	18.53	-70.17	-70.76	-70.79	-67.49	-63.55	-45.02	-41.20	-3.82
5210MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-69.10	-69.81	-69.05	-68.25	-63.00	-44.47	-41.20	-3.27
5210MHz	Pass	4.9G	5.31G	PK	5.14646G	18.53	-59.62	-61.37	-59.98	-54.55	-51.98	-33.45	-21.20	-12.25
5210MHz	Pass	5.31G	5.47G	PK	5.46328G	18.53	-59.84	-59.29	-59.40	-59.37	-53.45	-34.92	-27.00	-7.92
5210MHz	Pass	5.47G	5.85G	PK	5.61592G	18.53	-59.87	-57.87	-58.55	-59.93	-52.94	-34.41	-27.00	-7.41
5210MHz	Pass	5.85G	6.01G	PK	5.89864G	18.53	-58.60	-58.21	-60.74	-59.29	-53.09	-34.56	-27.00	-7.56
5210MHz	Pass	6.01G	6.5G	PK	6.49081G	18.53	-58.61	-59.48	-60.28	-58.63	-53.18	-34.65	-27.00	-7.65
5775MHz	Pass	4.9G	5.31G	AV	4.99189G	18.53	-70.33	-70.55	-70.91	-67.29	-63.48	-44.95	-41.20	-3.75
5775MHz	Pass	5.31G	5.47G	AV	5.37592G	18.53	-69.68	-70.36	-69.08	-66.88	-62.77	-44.24	-41.20	-3.04
5775MHz	Pass	4.9G	5.31G	PK	5.26885G	18.53	-60.68	-58.81	-59.37	-59.77	-53.58	-35.05	-27.00	-8.05
5775MHz	Pass	5.31G	5.47G	PK	5.46136G	18.53	-60.16	-59.57	-59.09	-57.12	-52.81	-34.28	-27.00	-7.28
5775MHz	Pass	5.47G	5.85G	PK	5.52548G	18.53	-61.45	-58.17	-58.85	-58.49	-53.05	-34.52	-27.00	-7.52
5775MHz	Pass	5.85G	6.01G	PK	5.97992G	18.53	-60.33	-60.03	-58.18	-58.45	-53.13	-34.60	-27.00	-7.60
5775MHz	Pass	6.01G	6.5G	PK	6.49271G	18.53	-59.72	-57.79	-58.84	-60.26	-53.03	-34.50	-27.00	-7.50

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

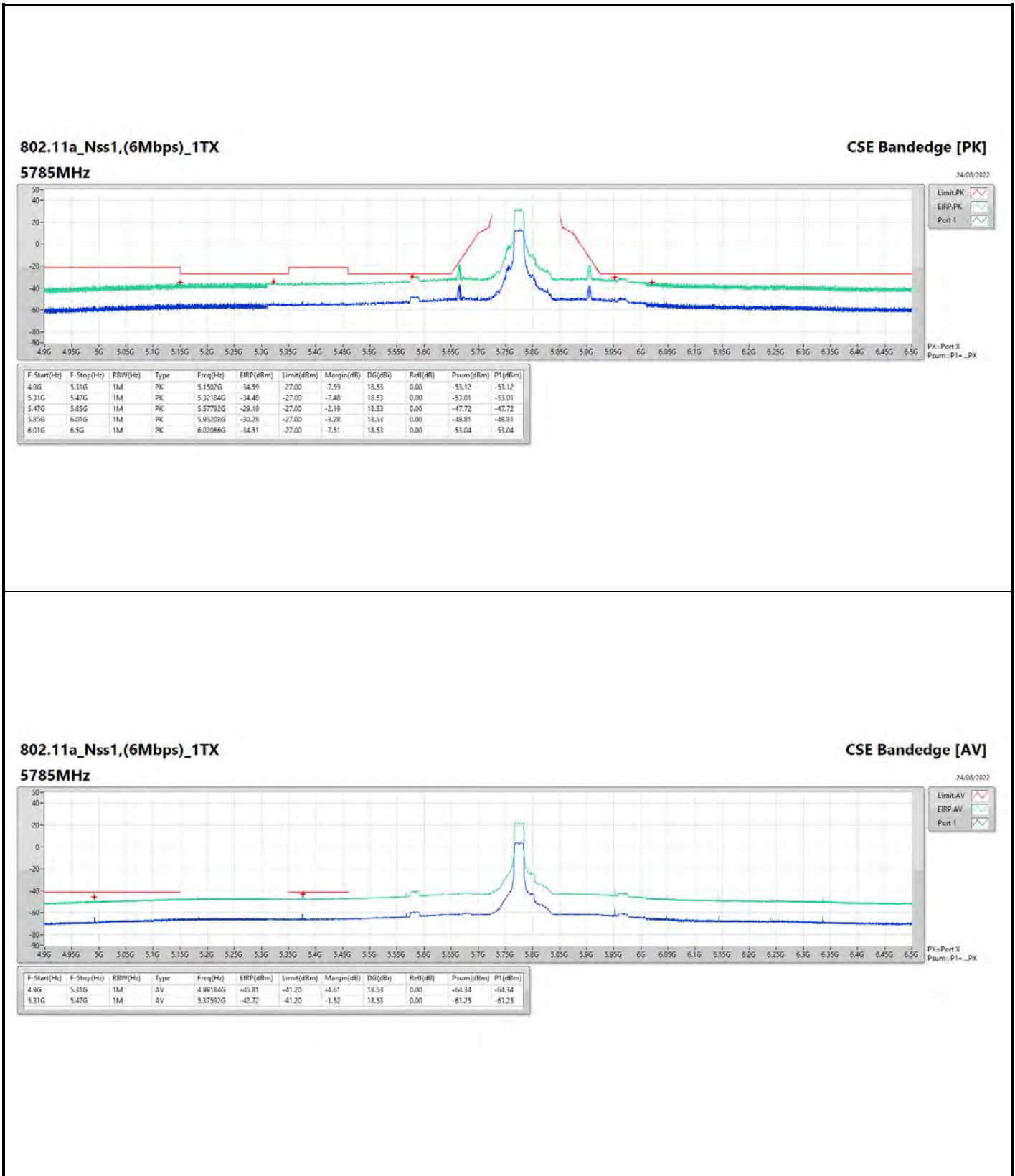


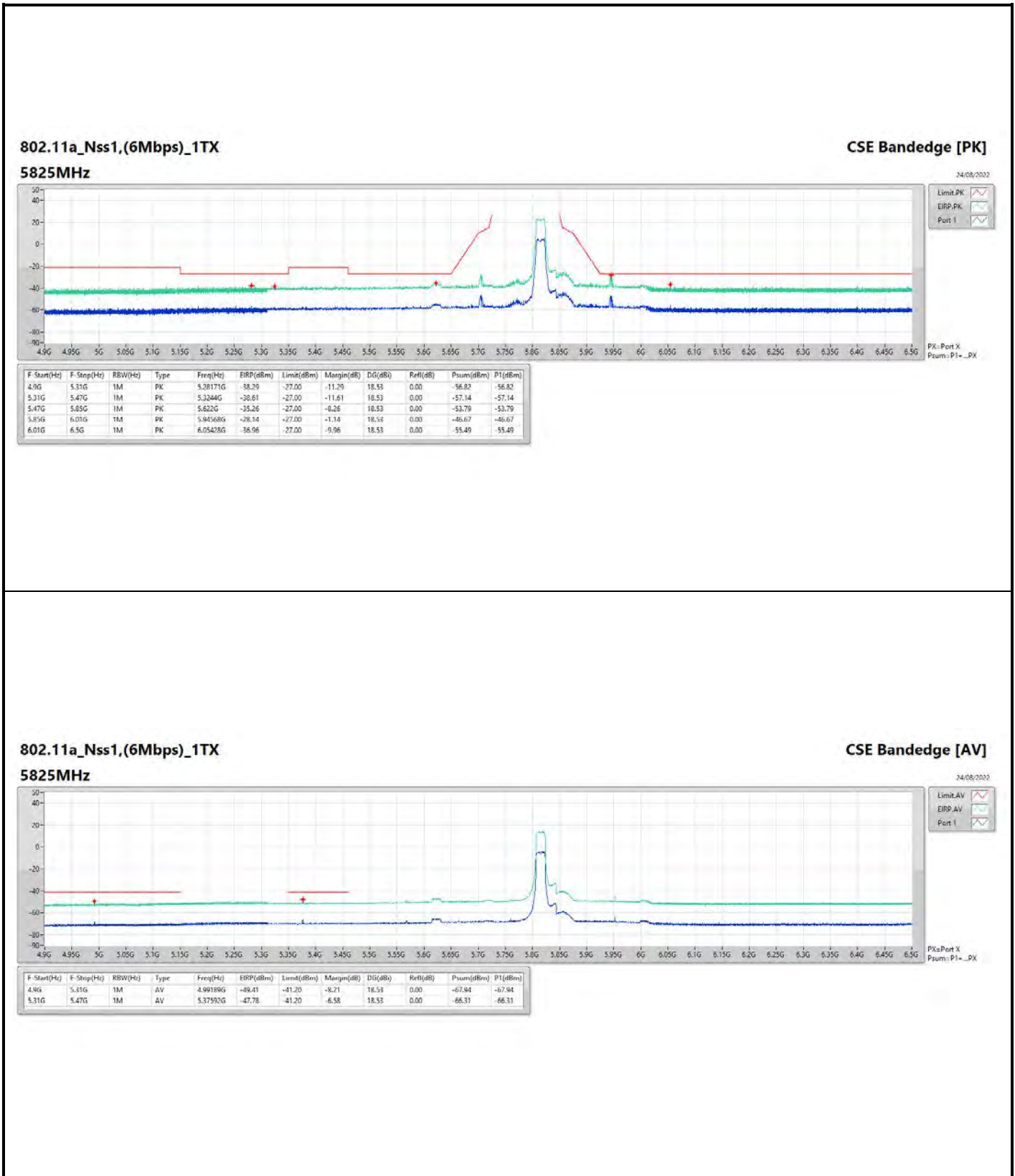


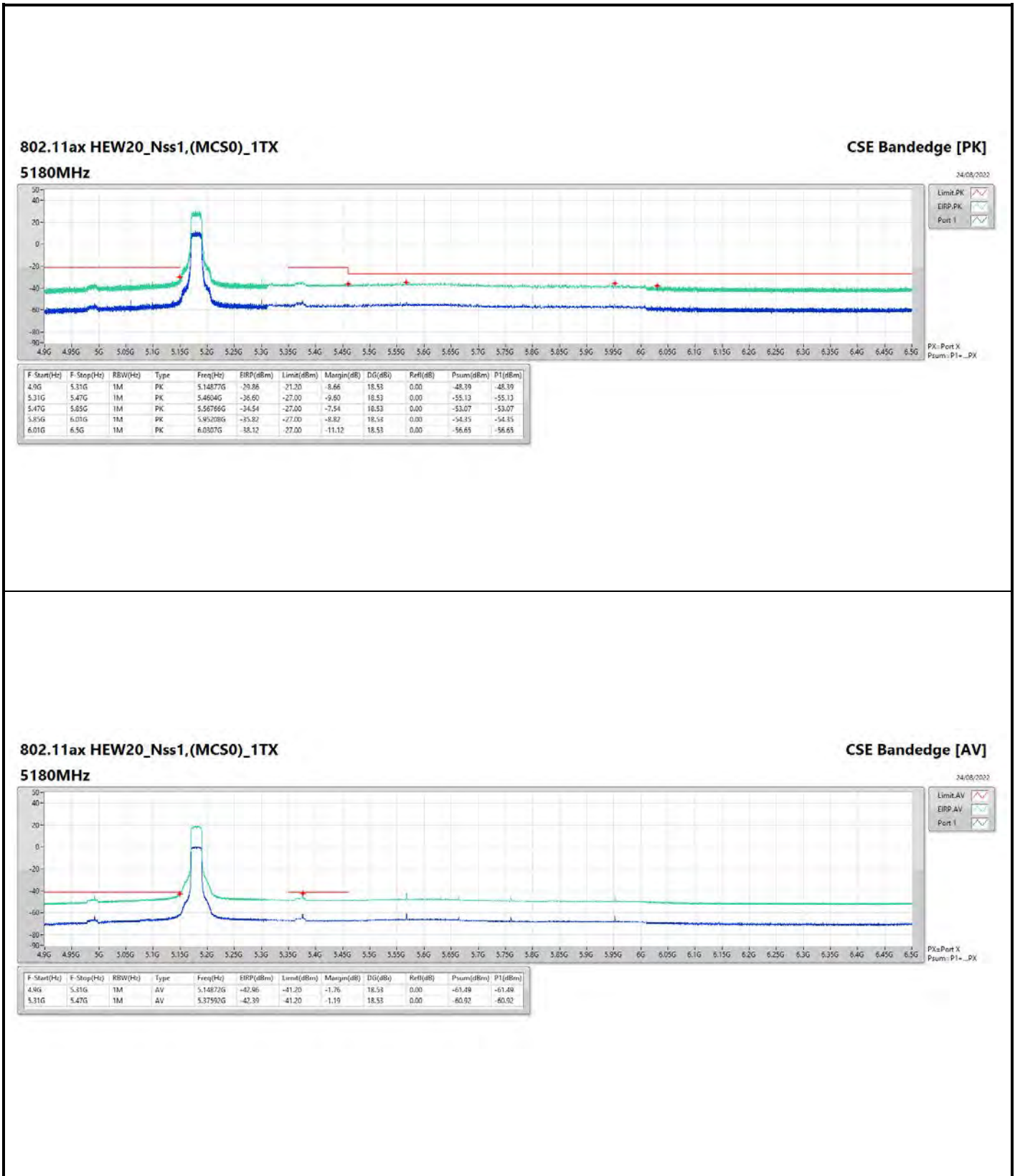


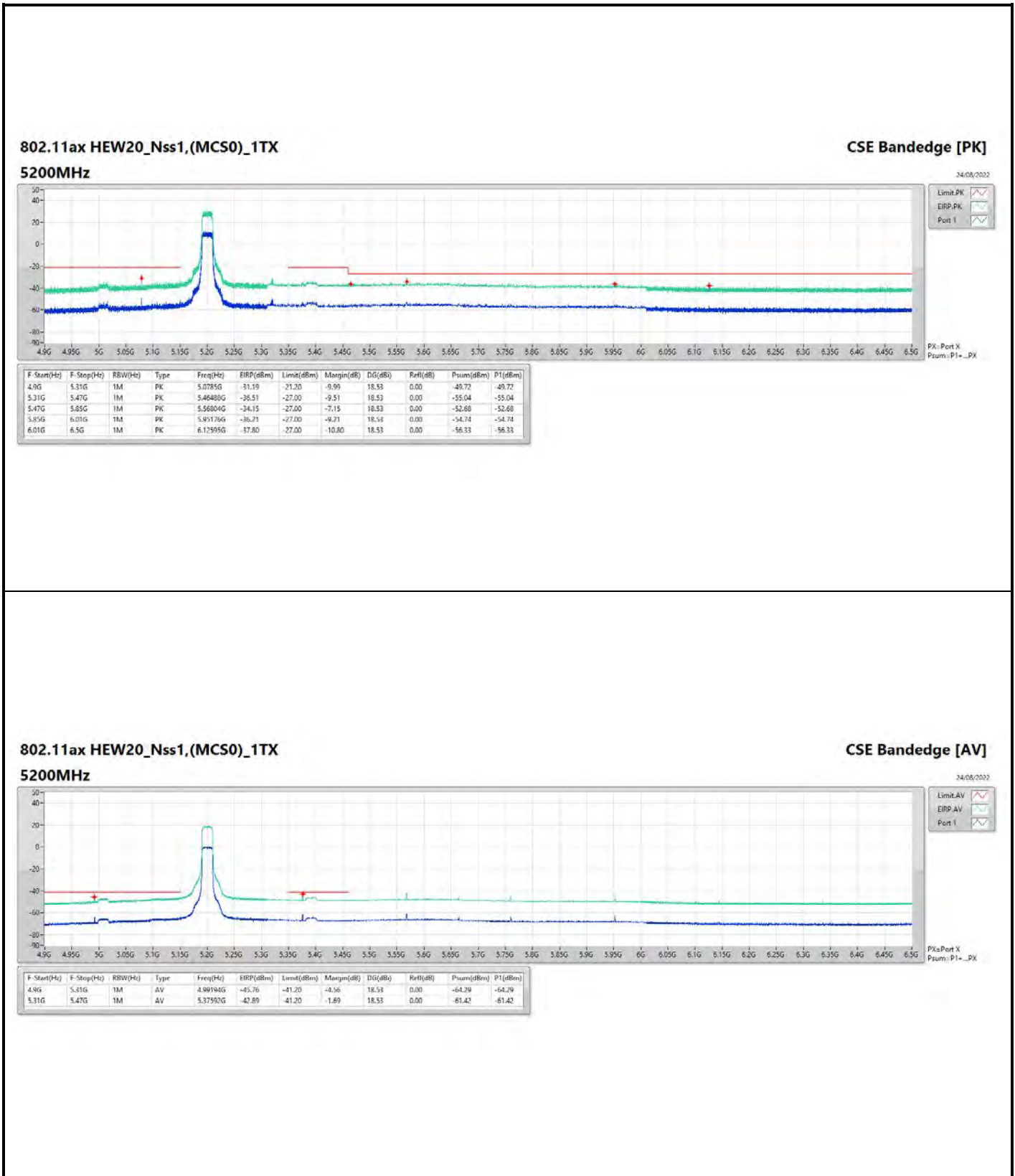


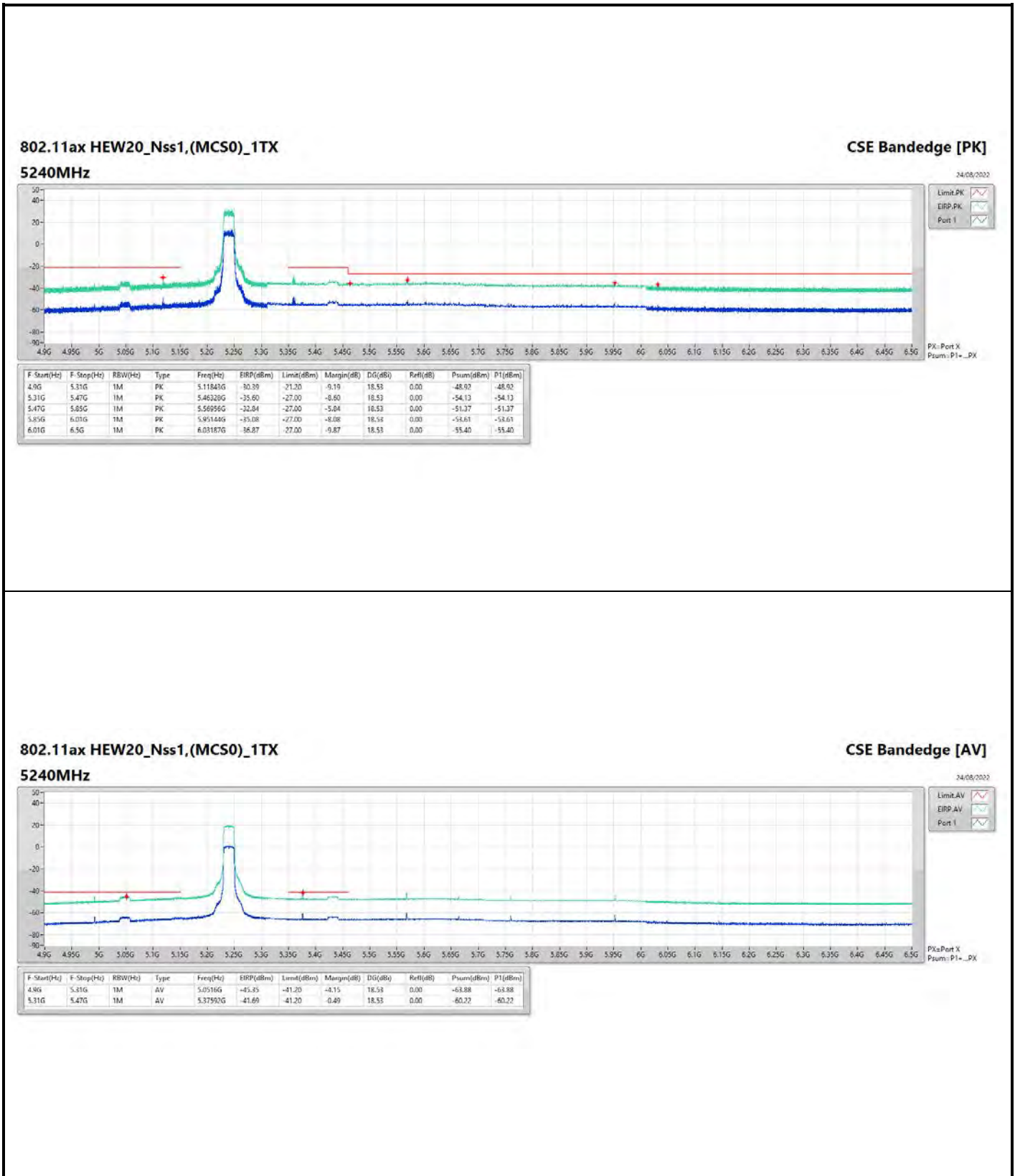


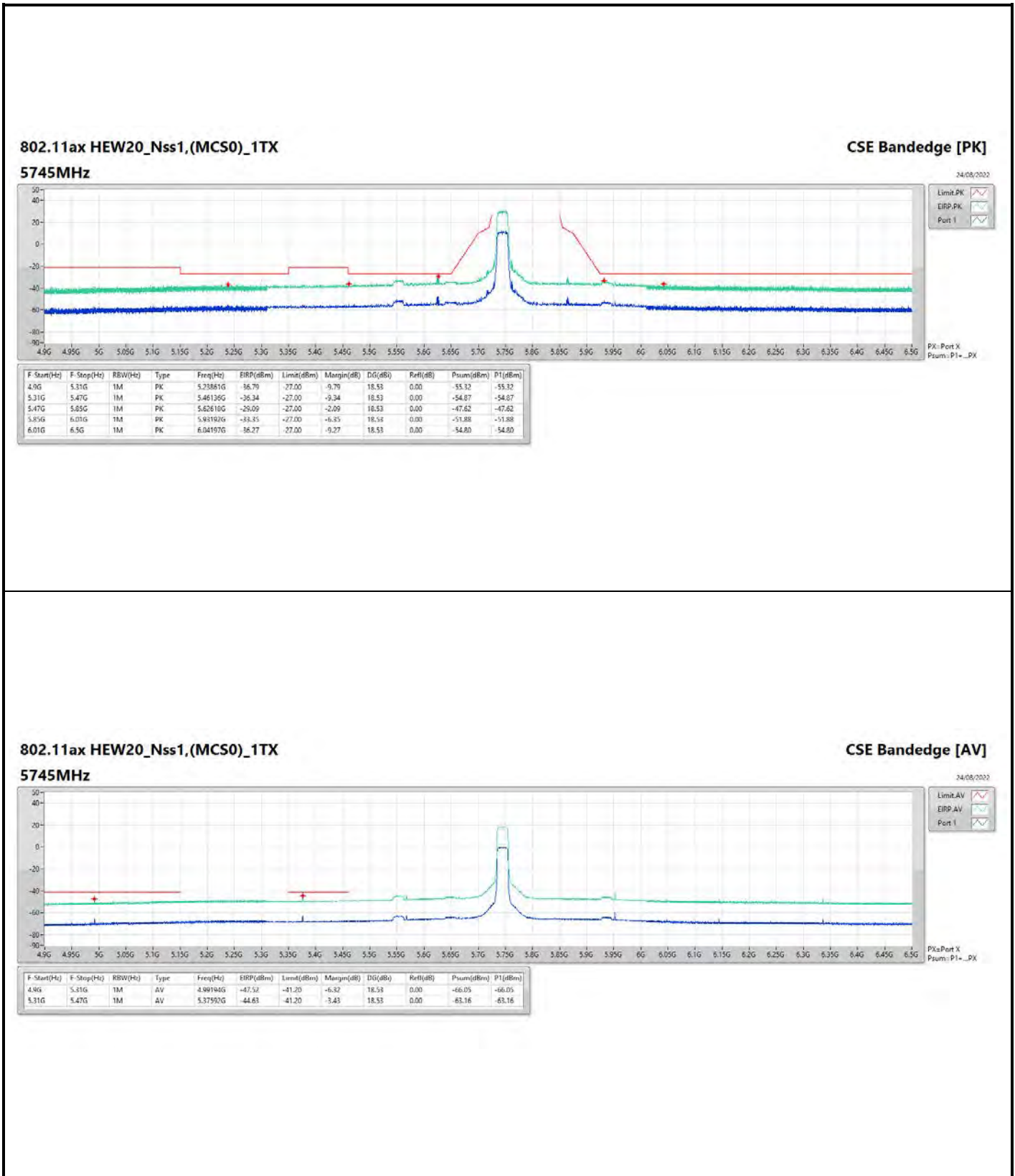


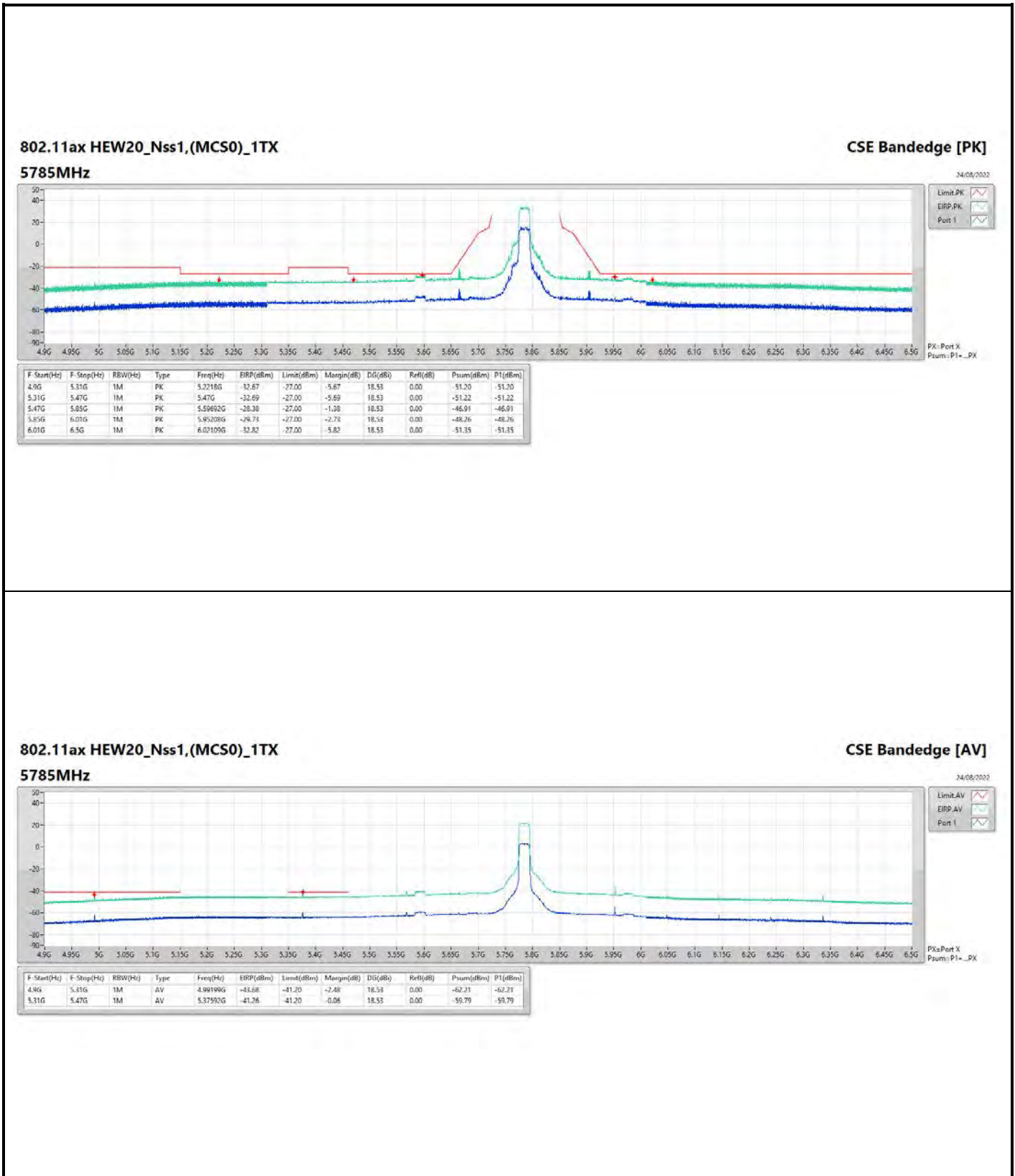


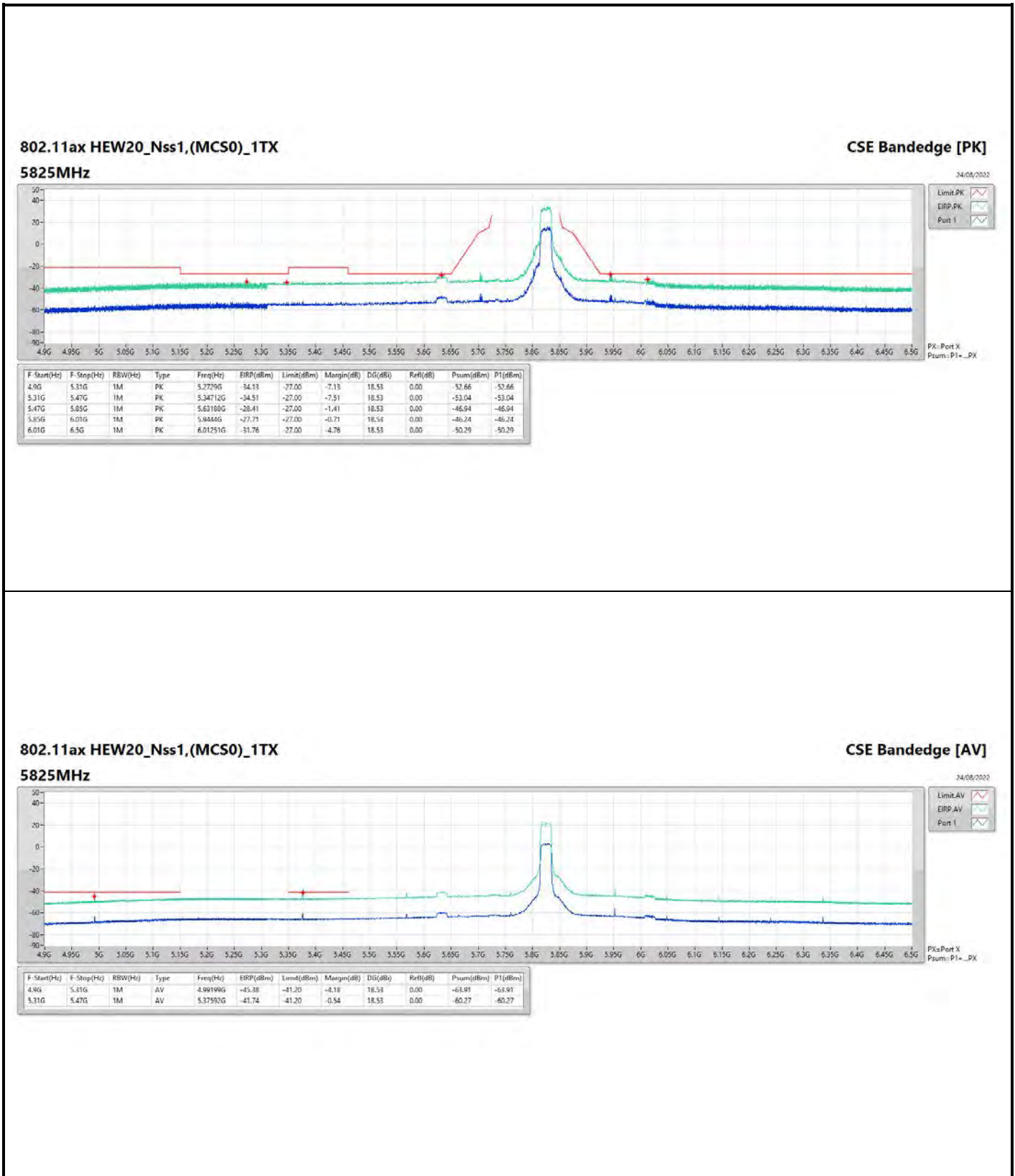




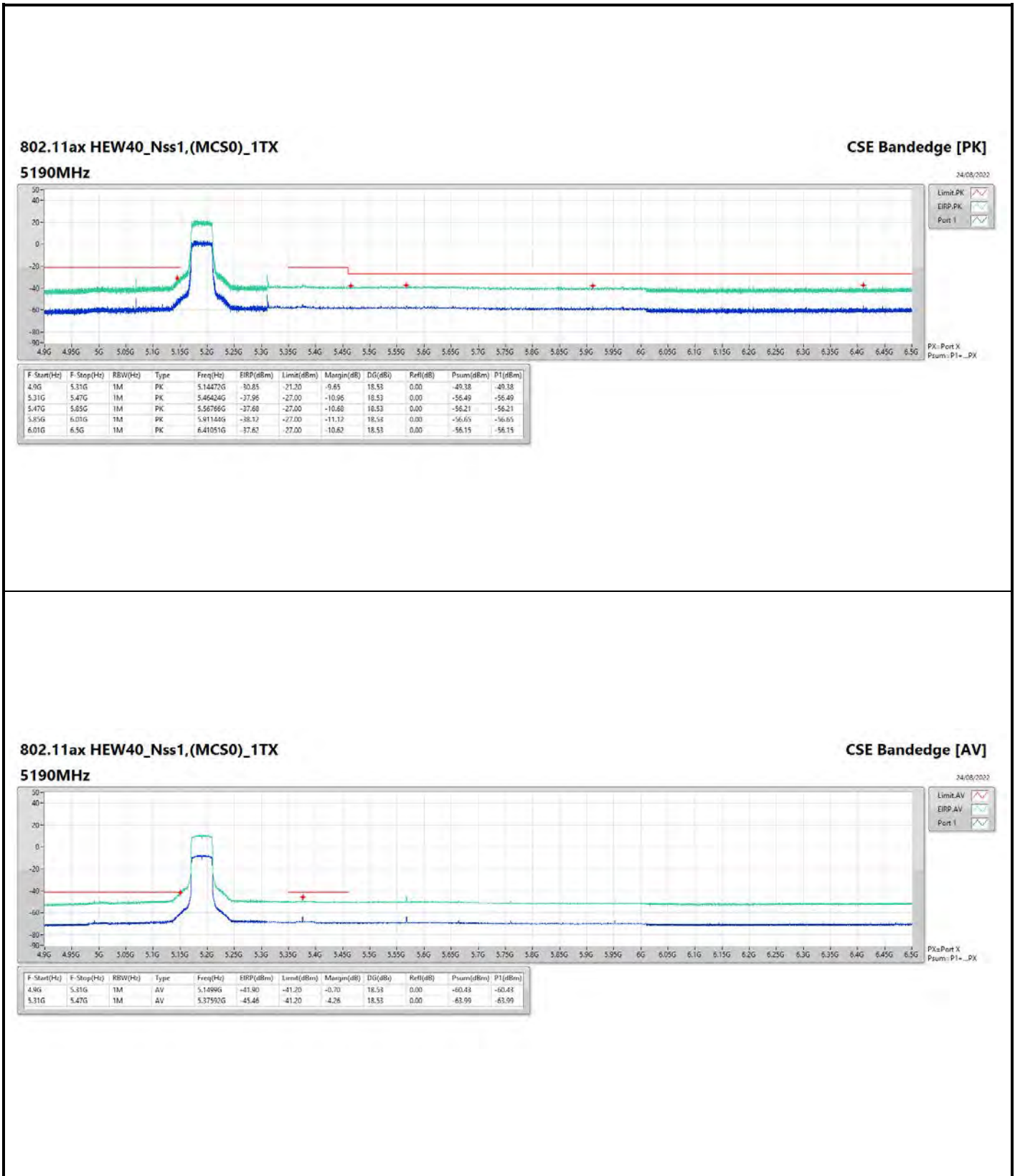


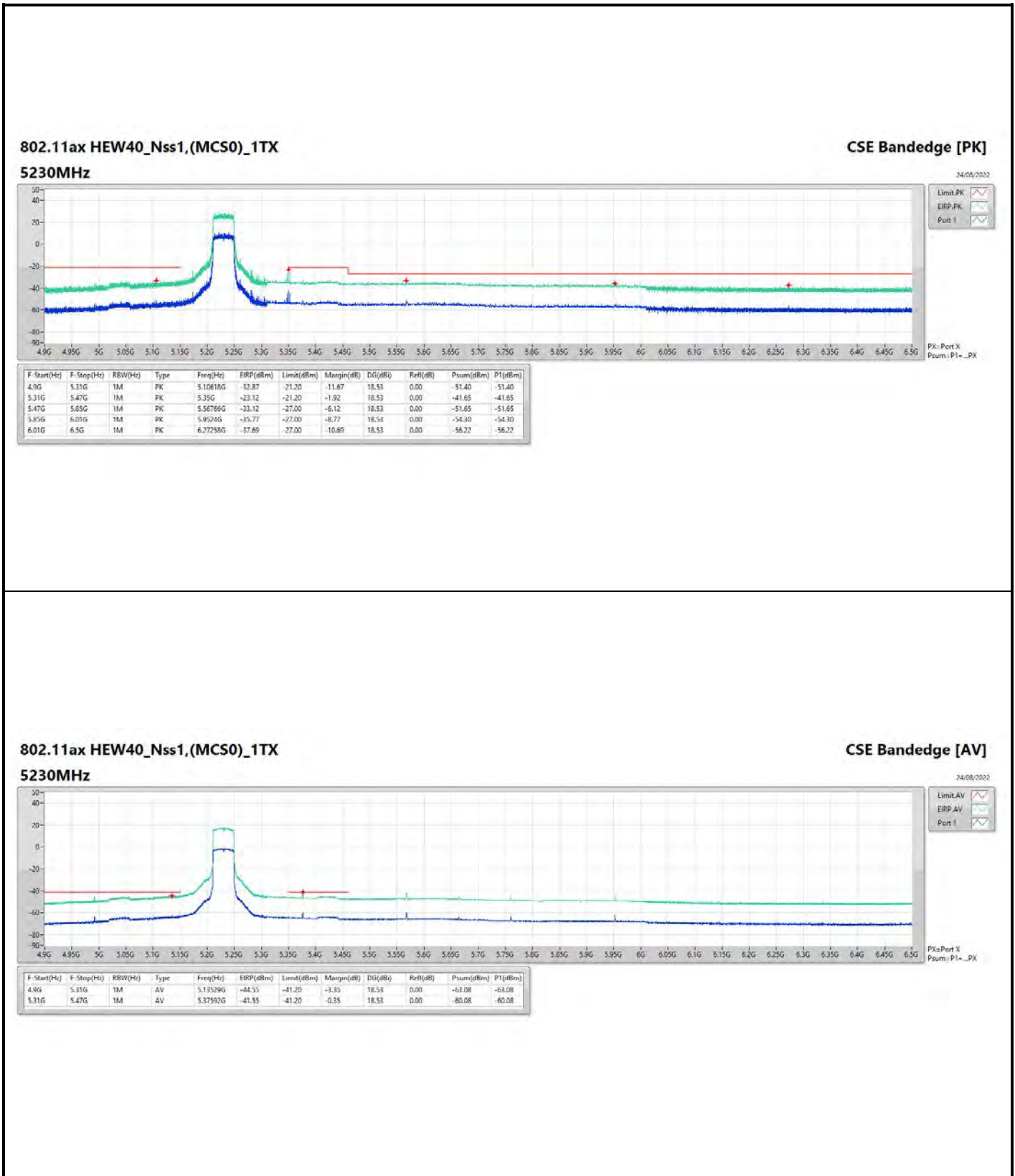


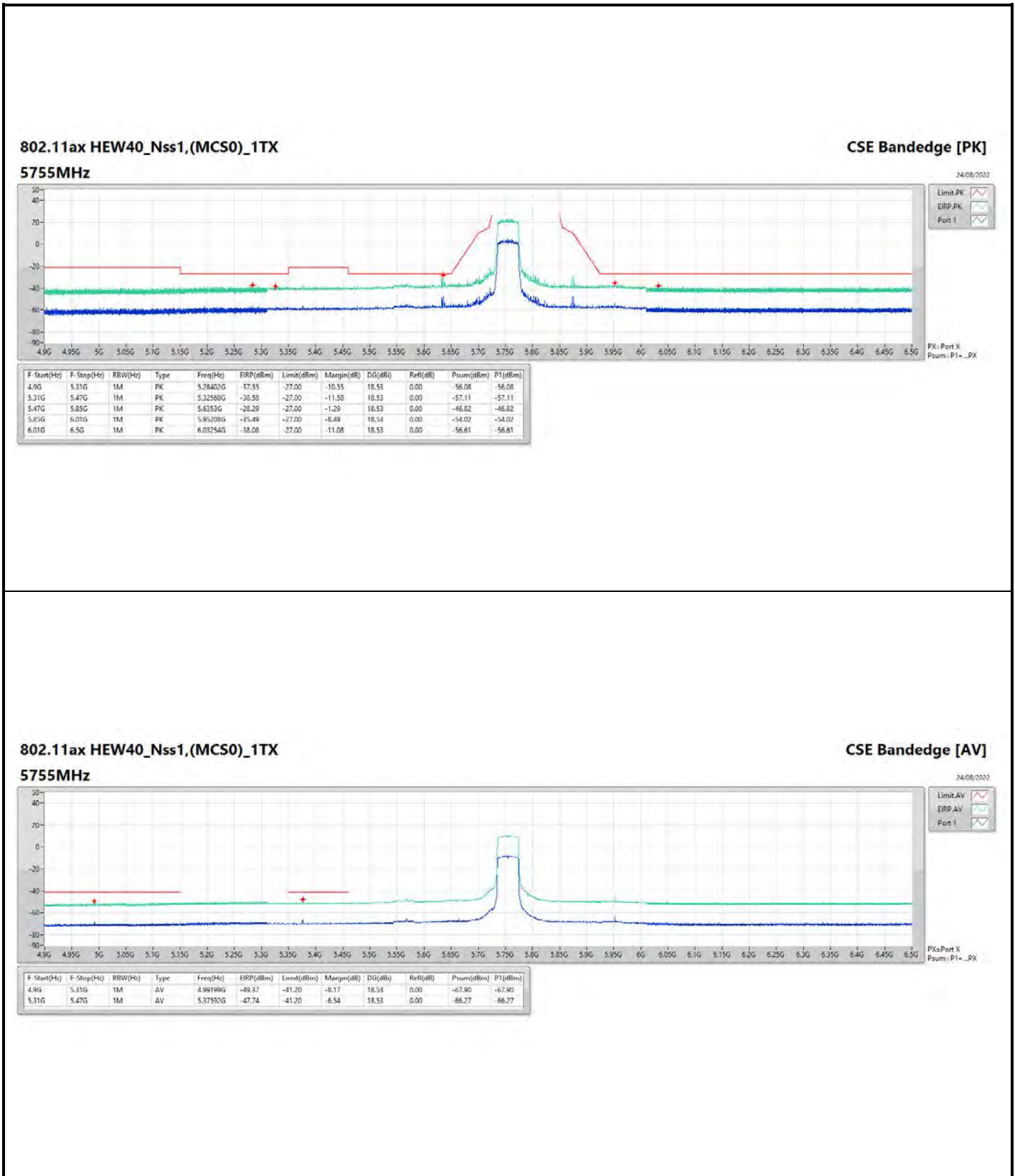


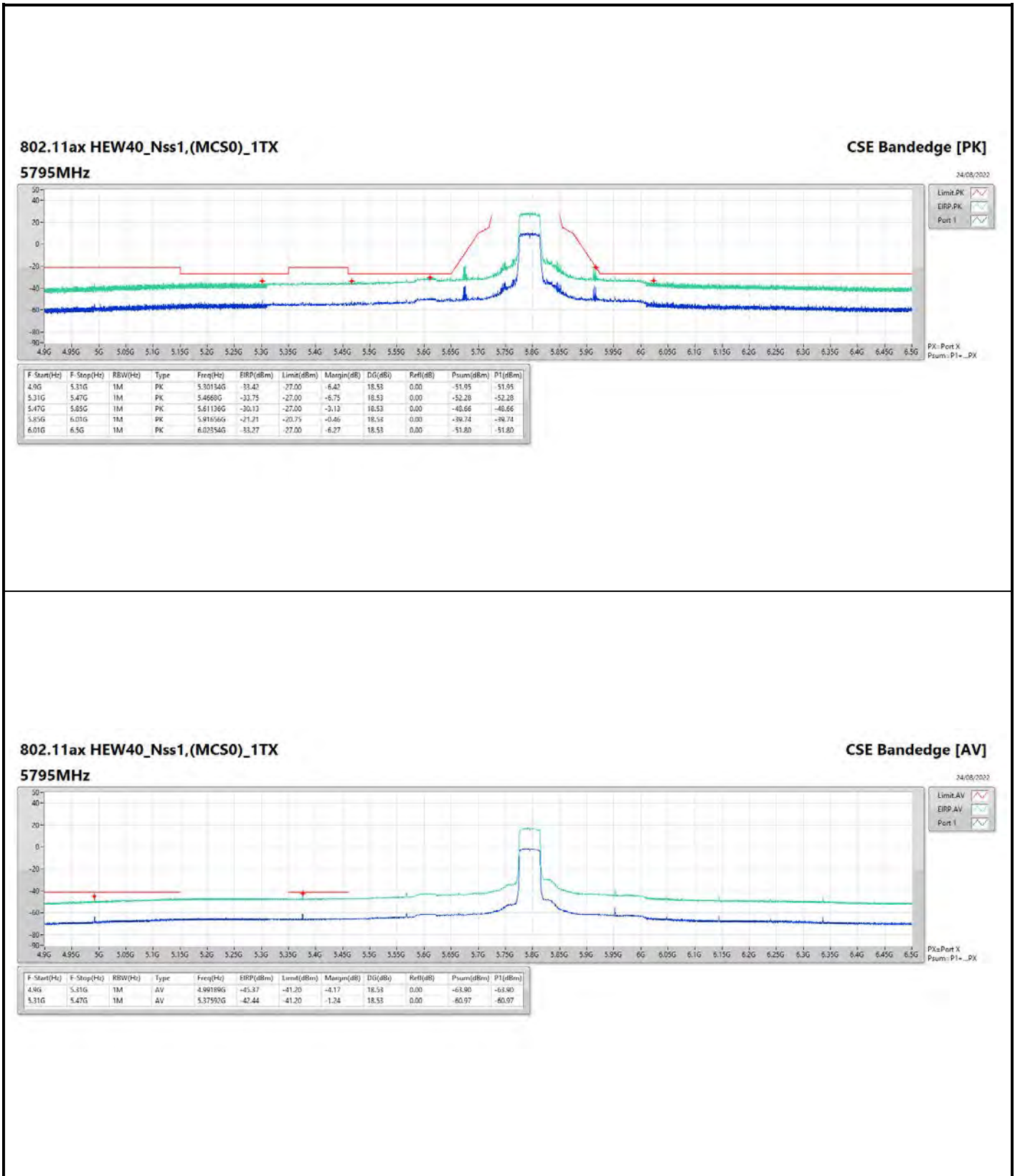










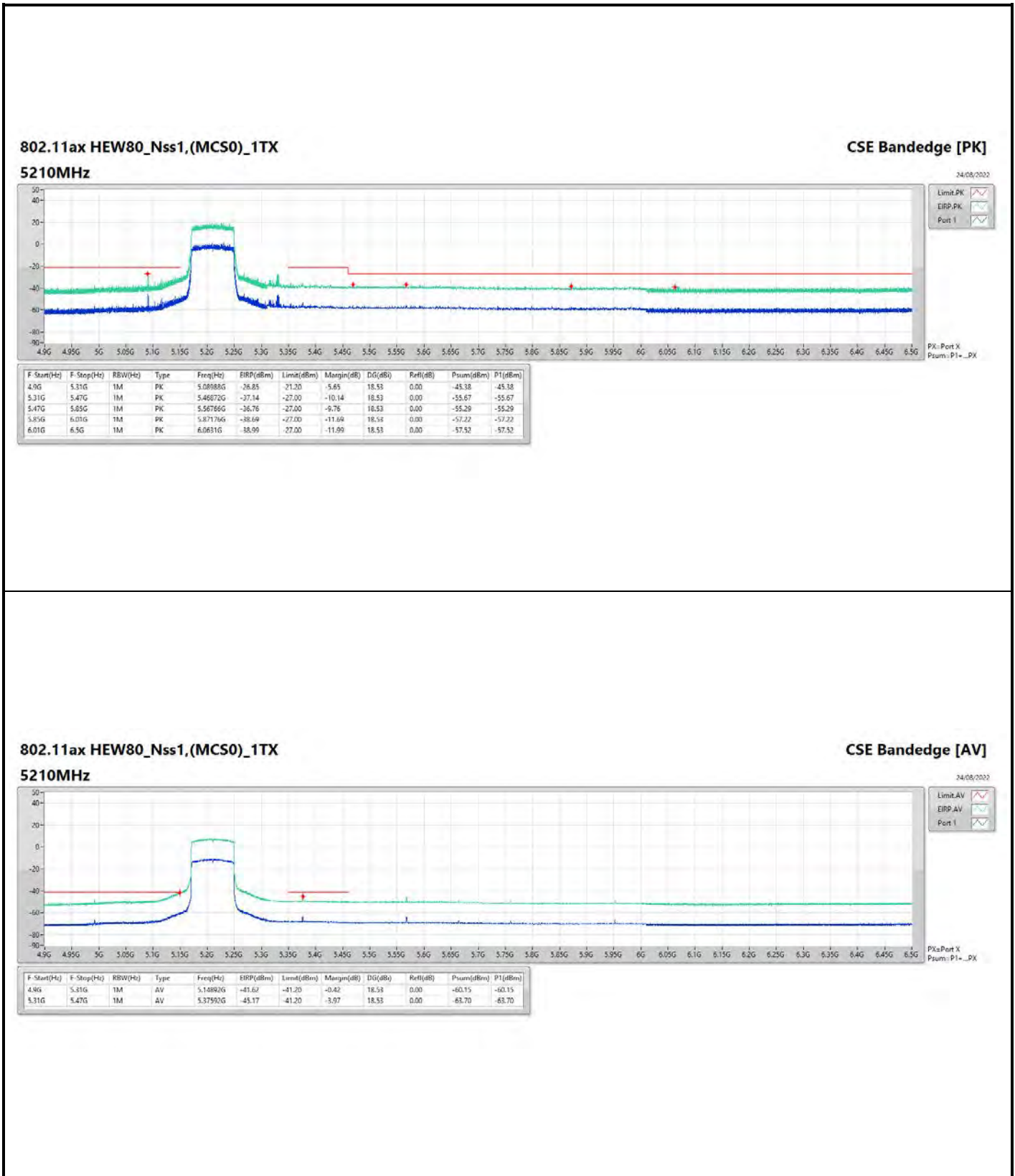


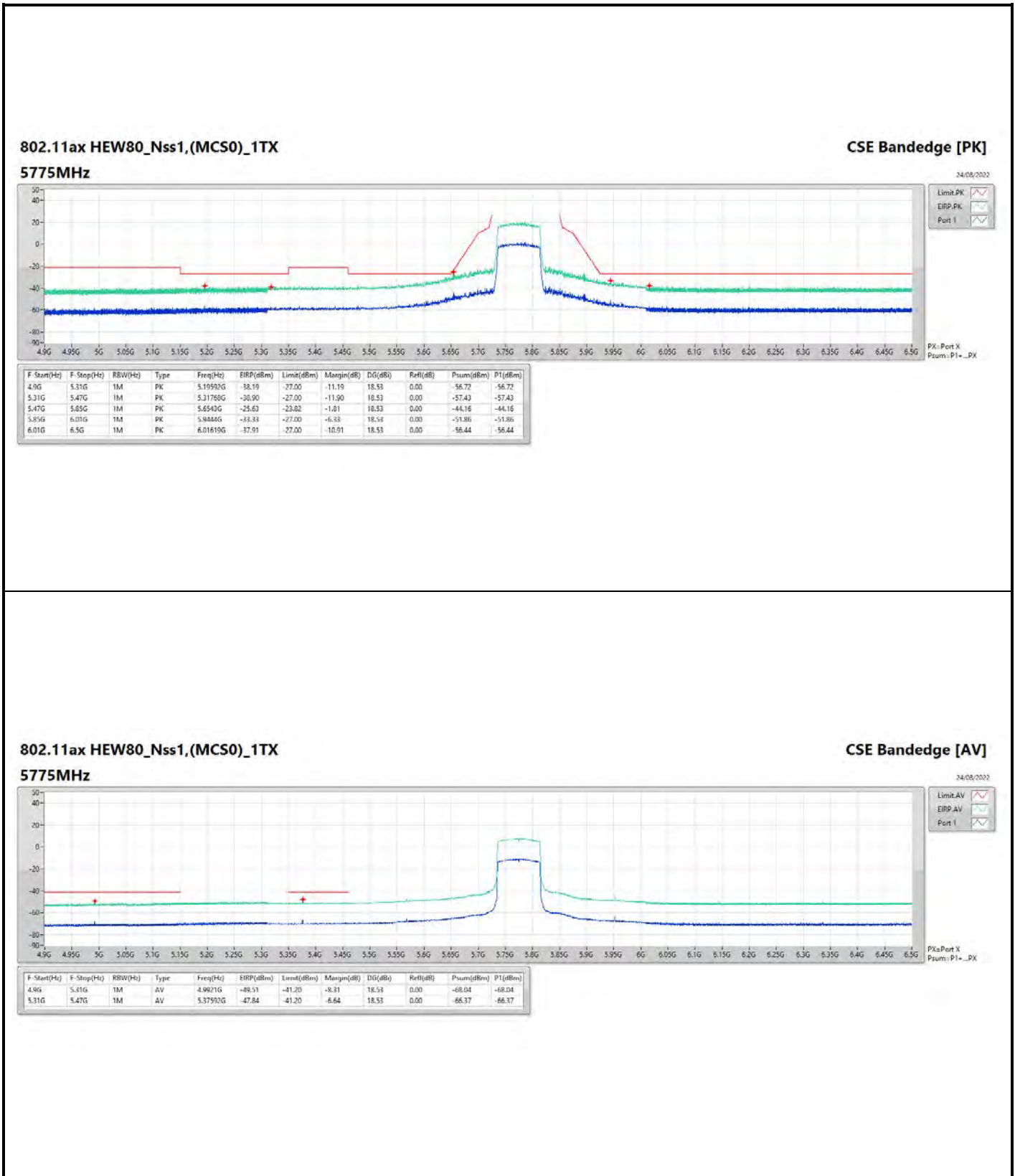
**802.11ax HEW40\_Nss1,(MCS0)\_1TX**

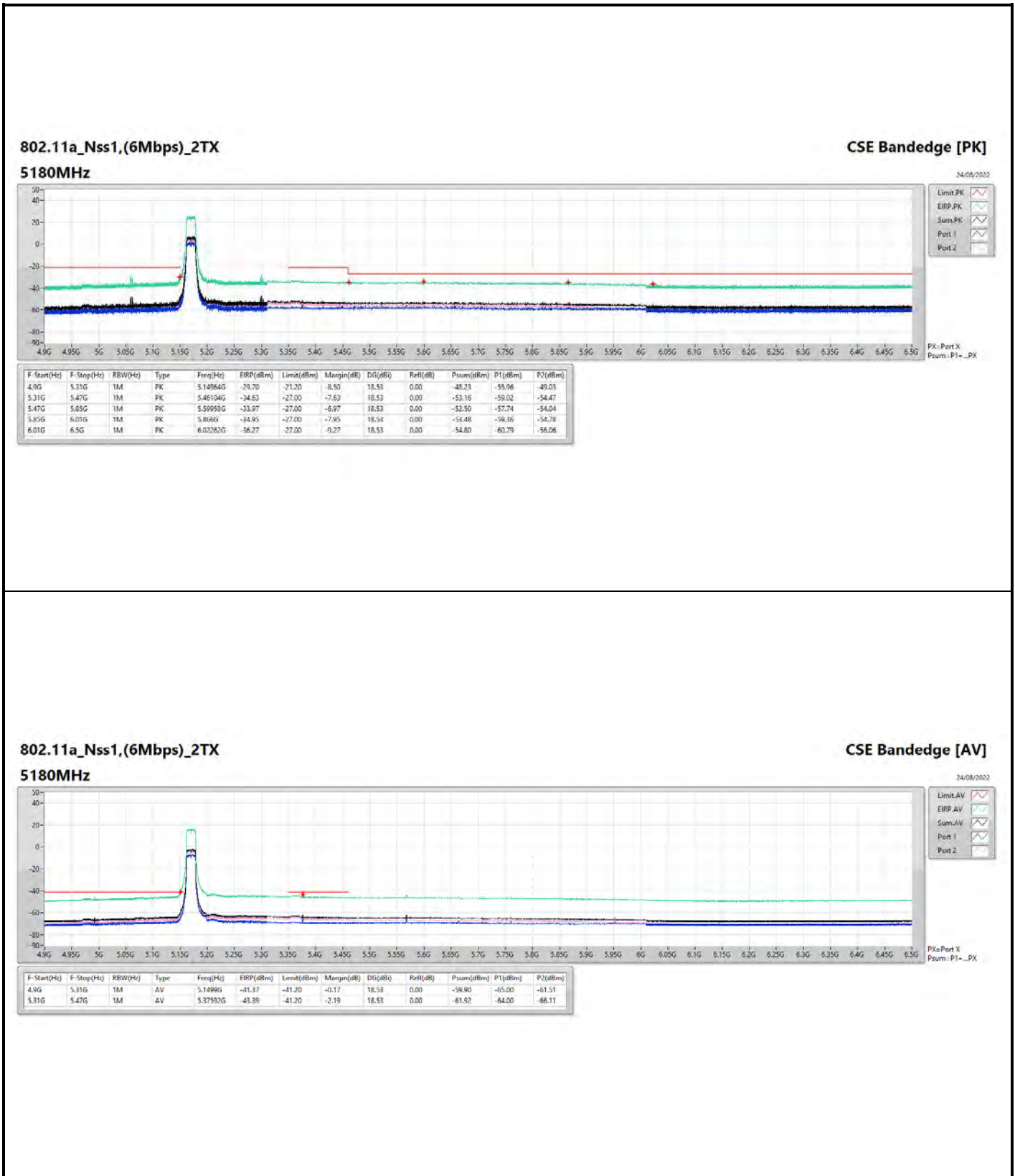
**5795MHz**

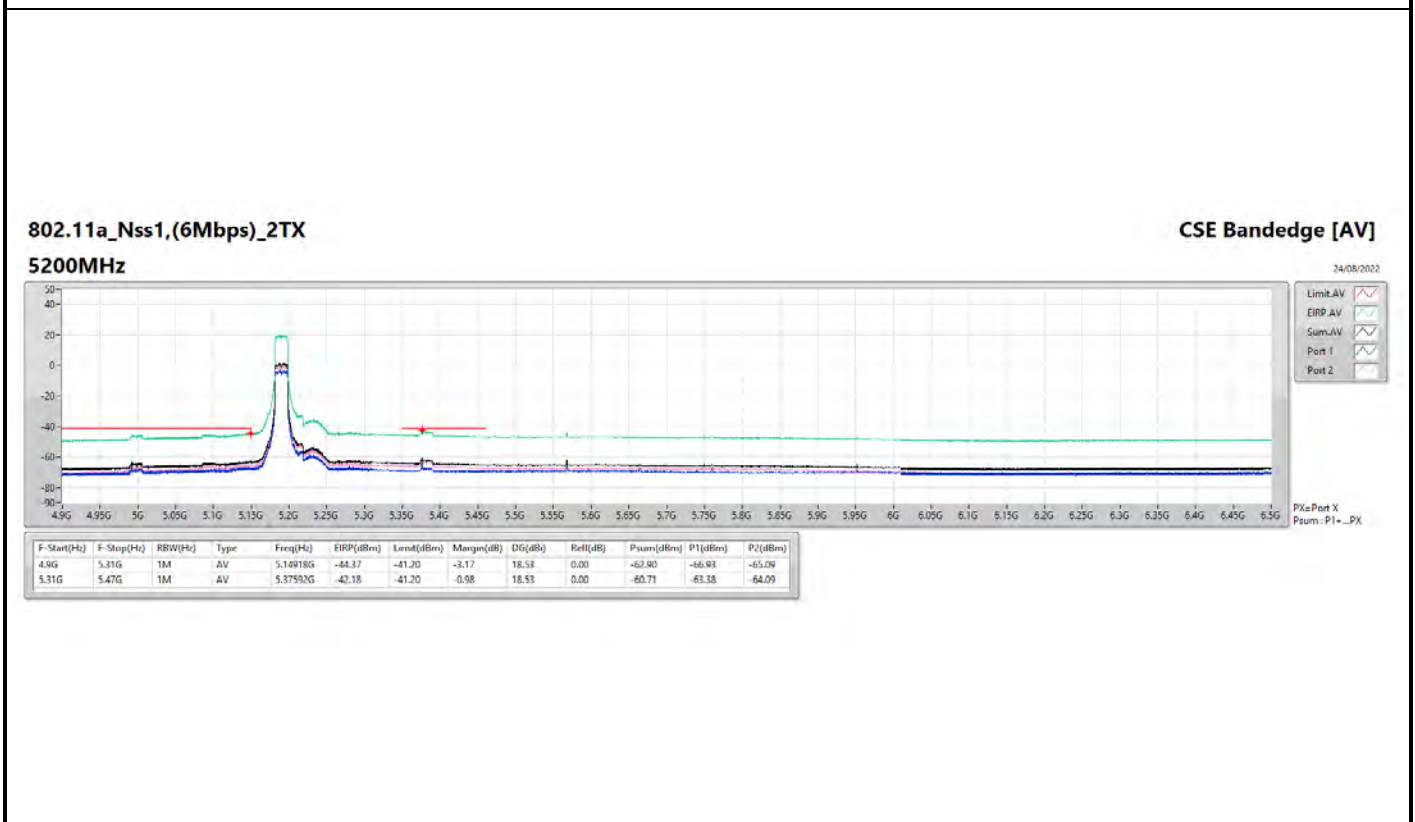
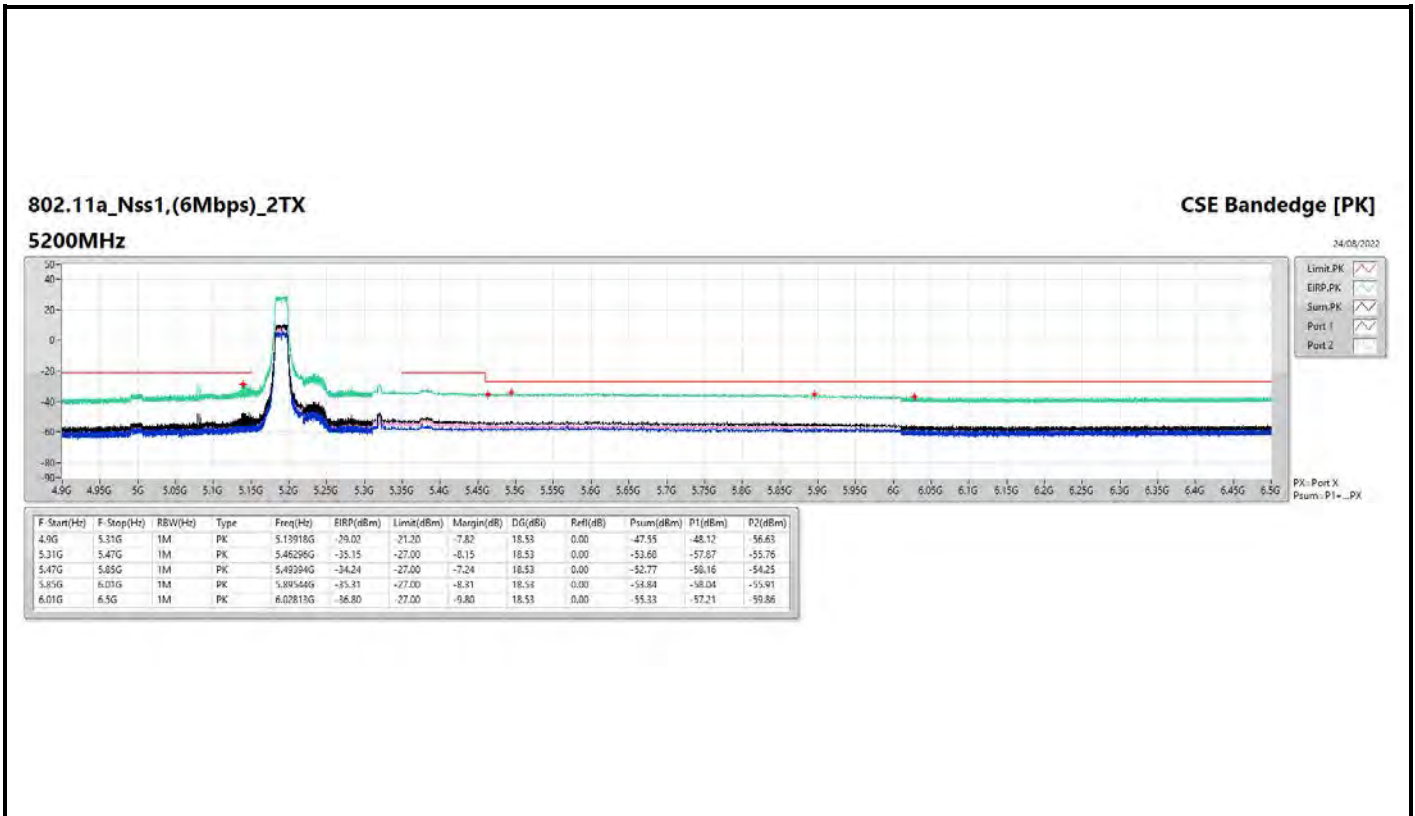
**CSE Bandedge [AV]**

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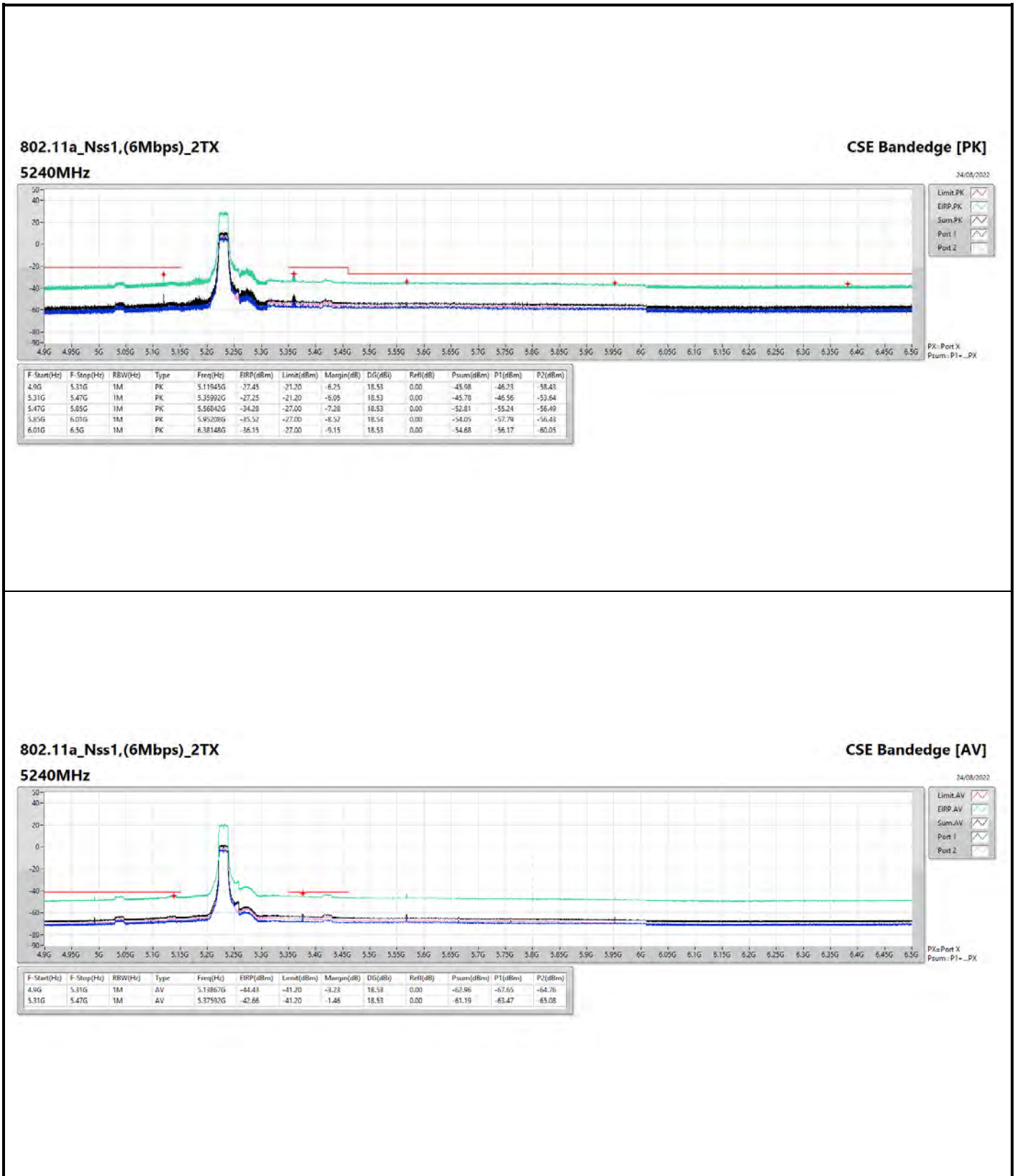


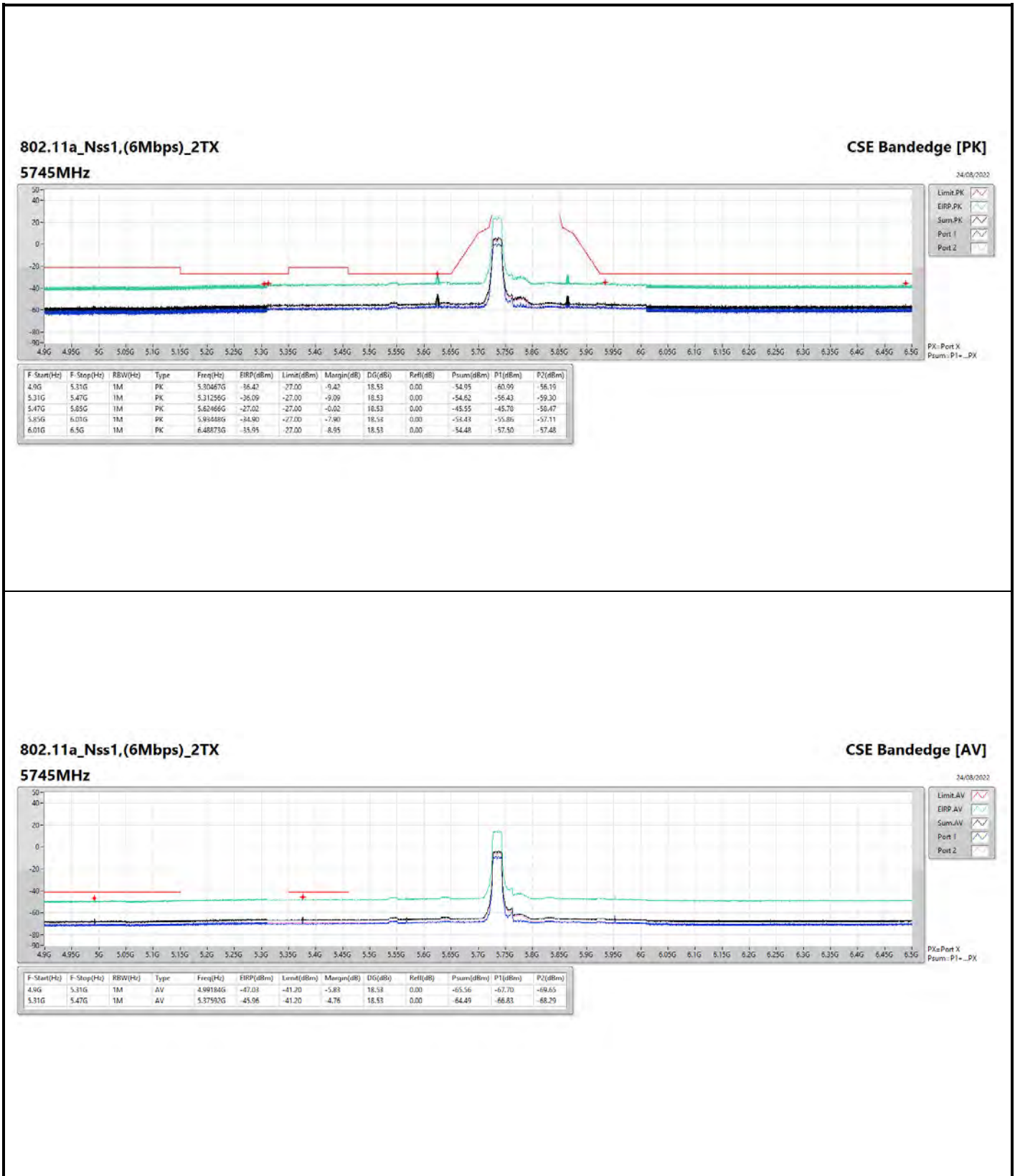


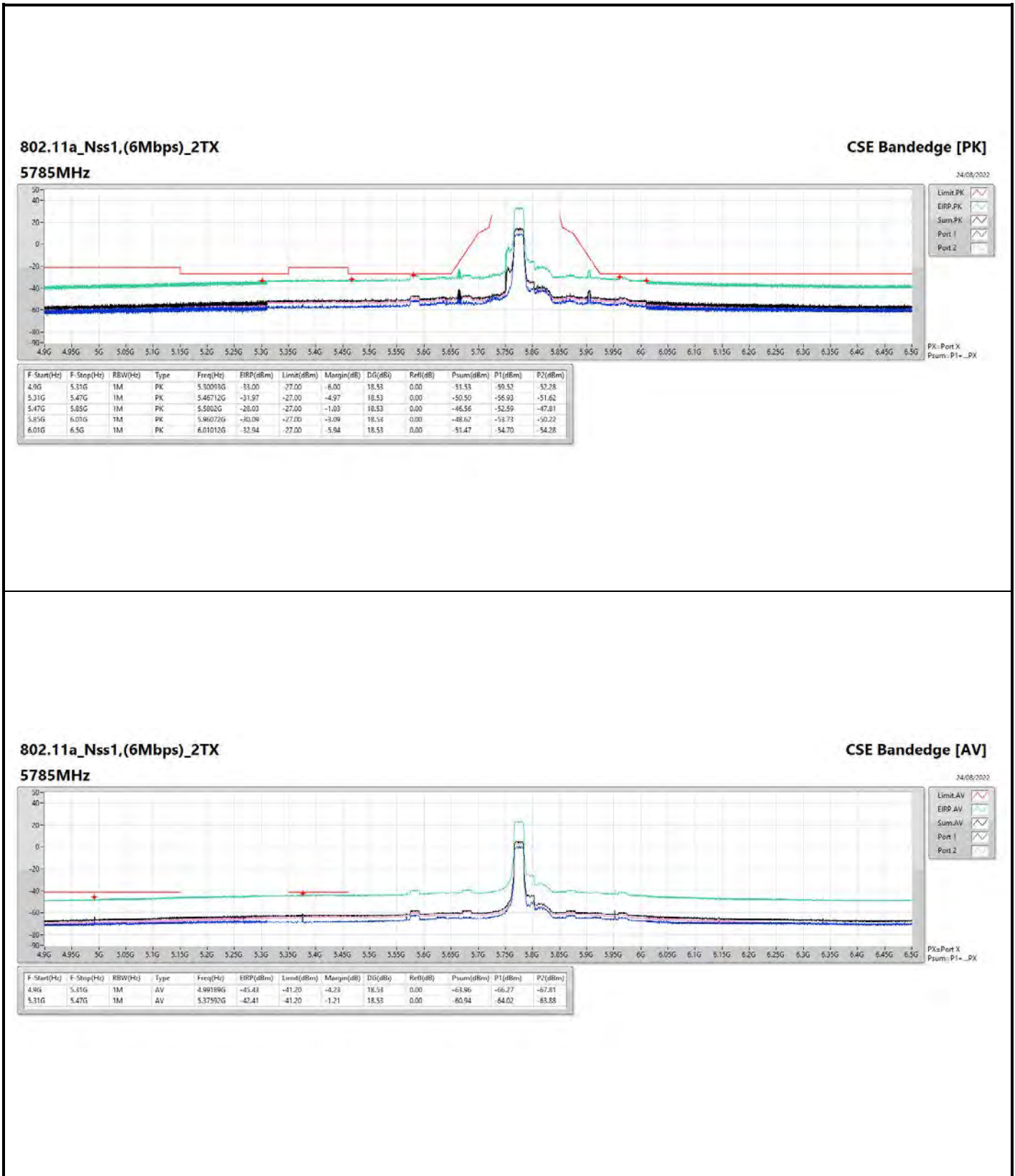


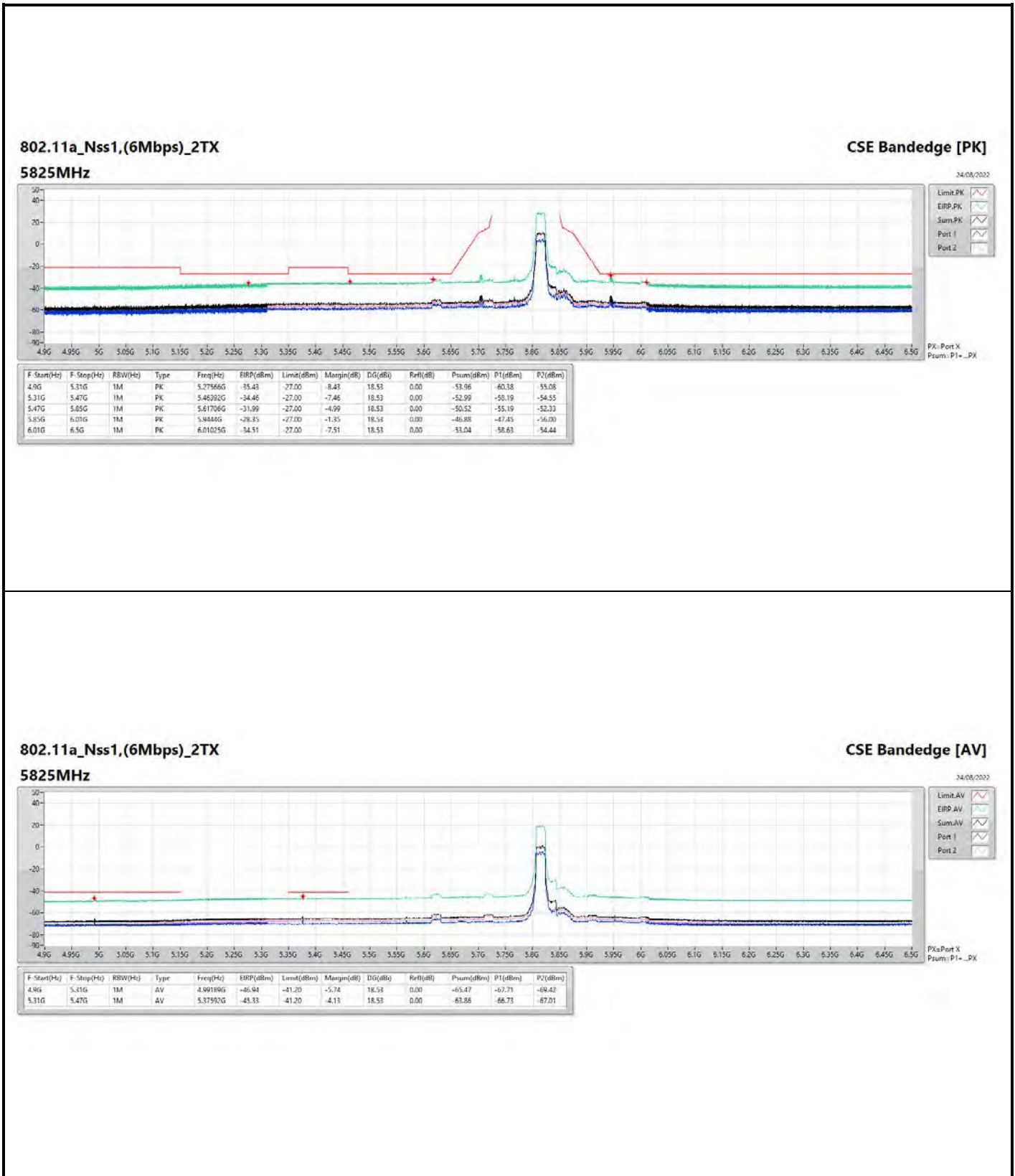


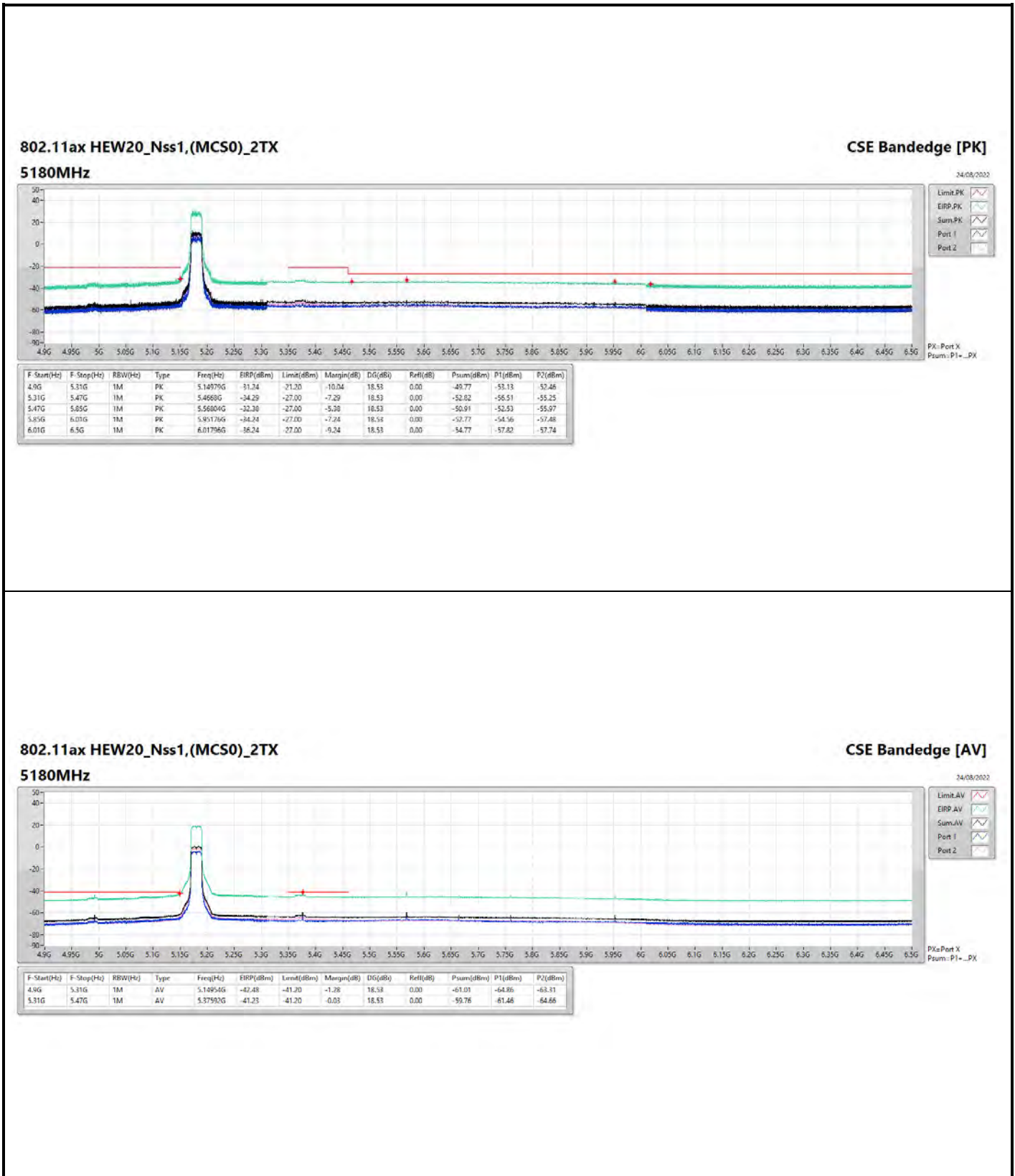


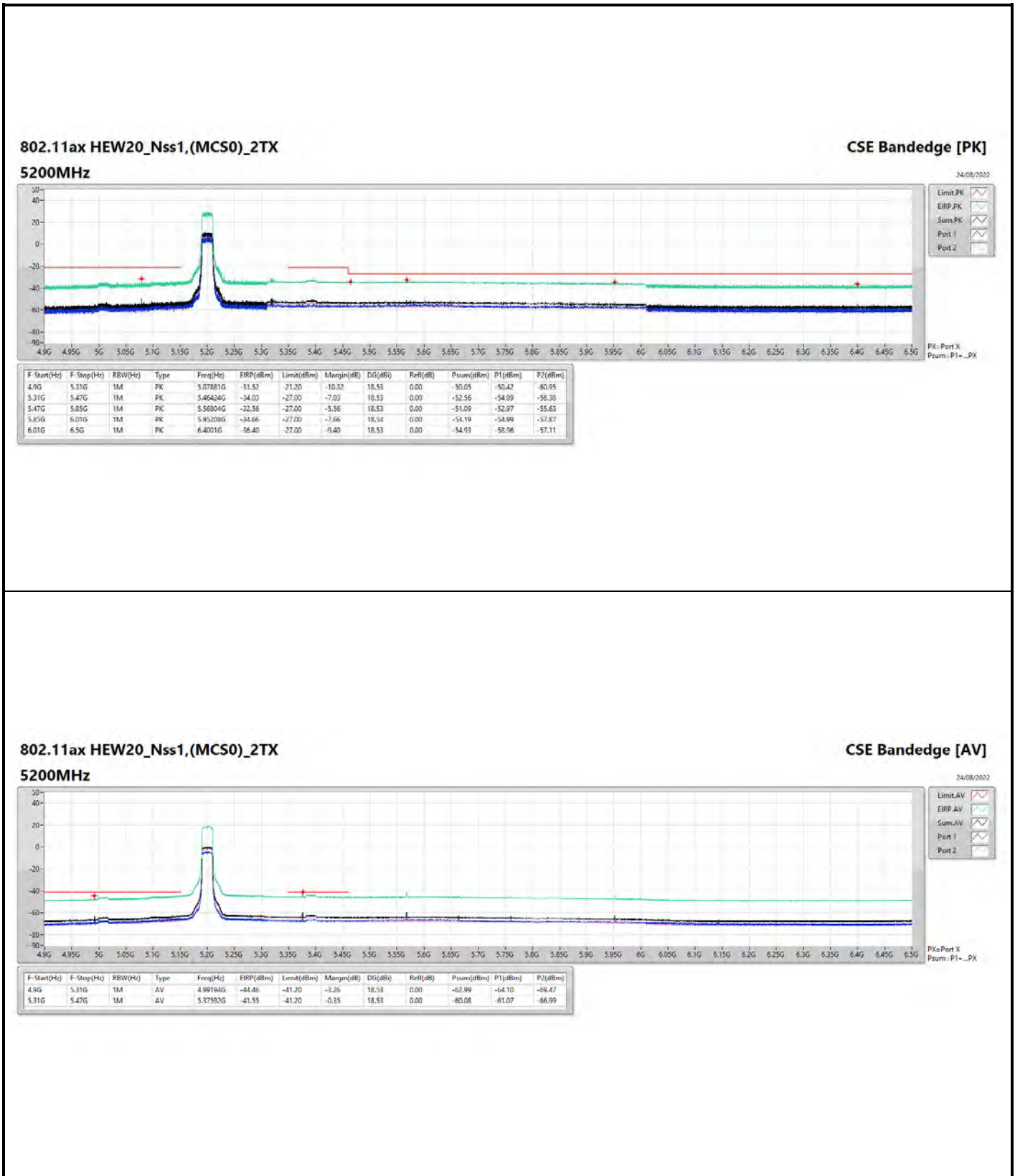


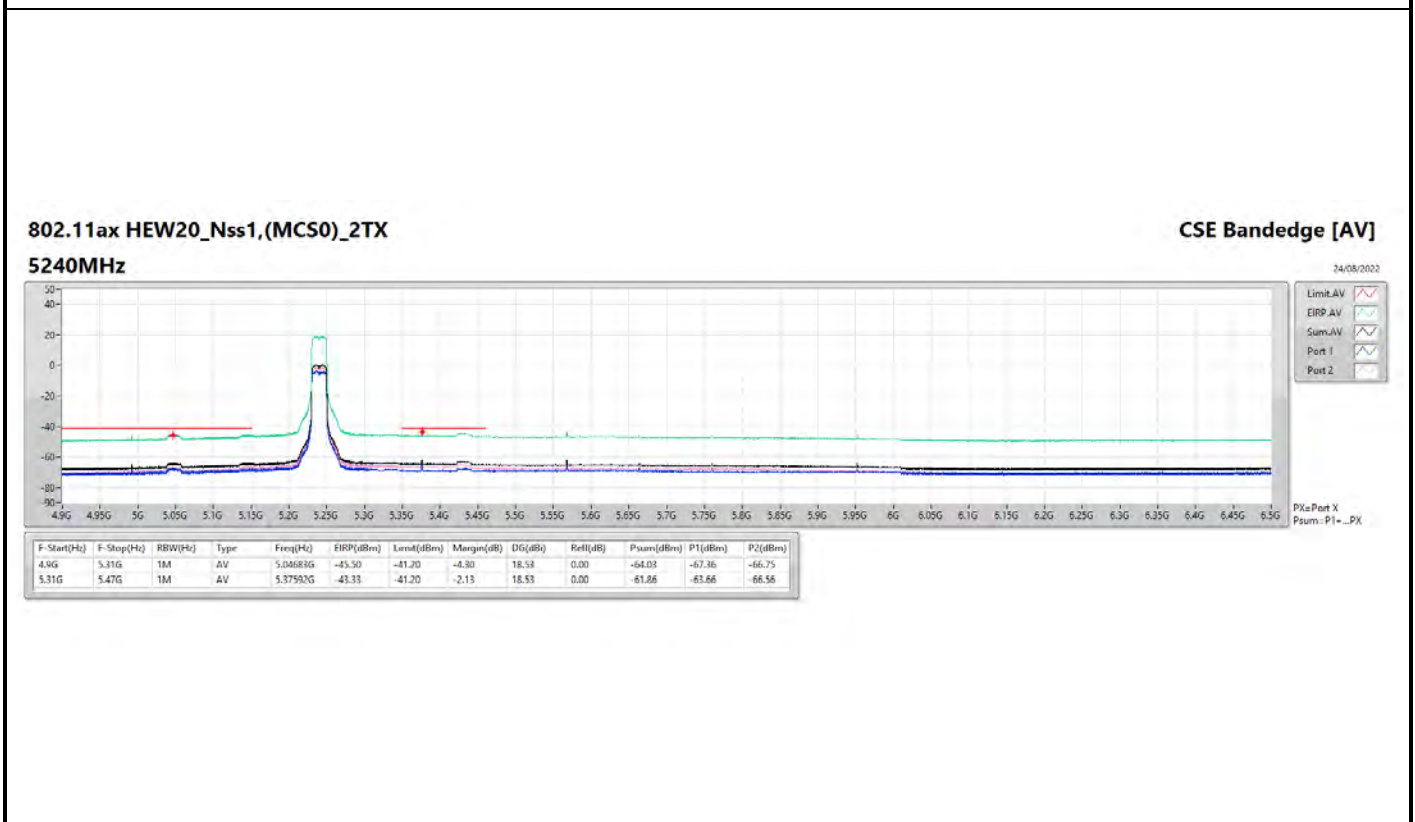
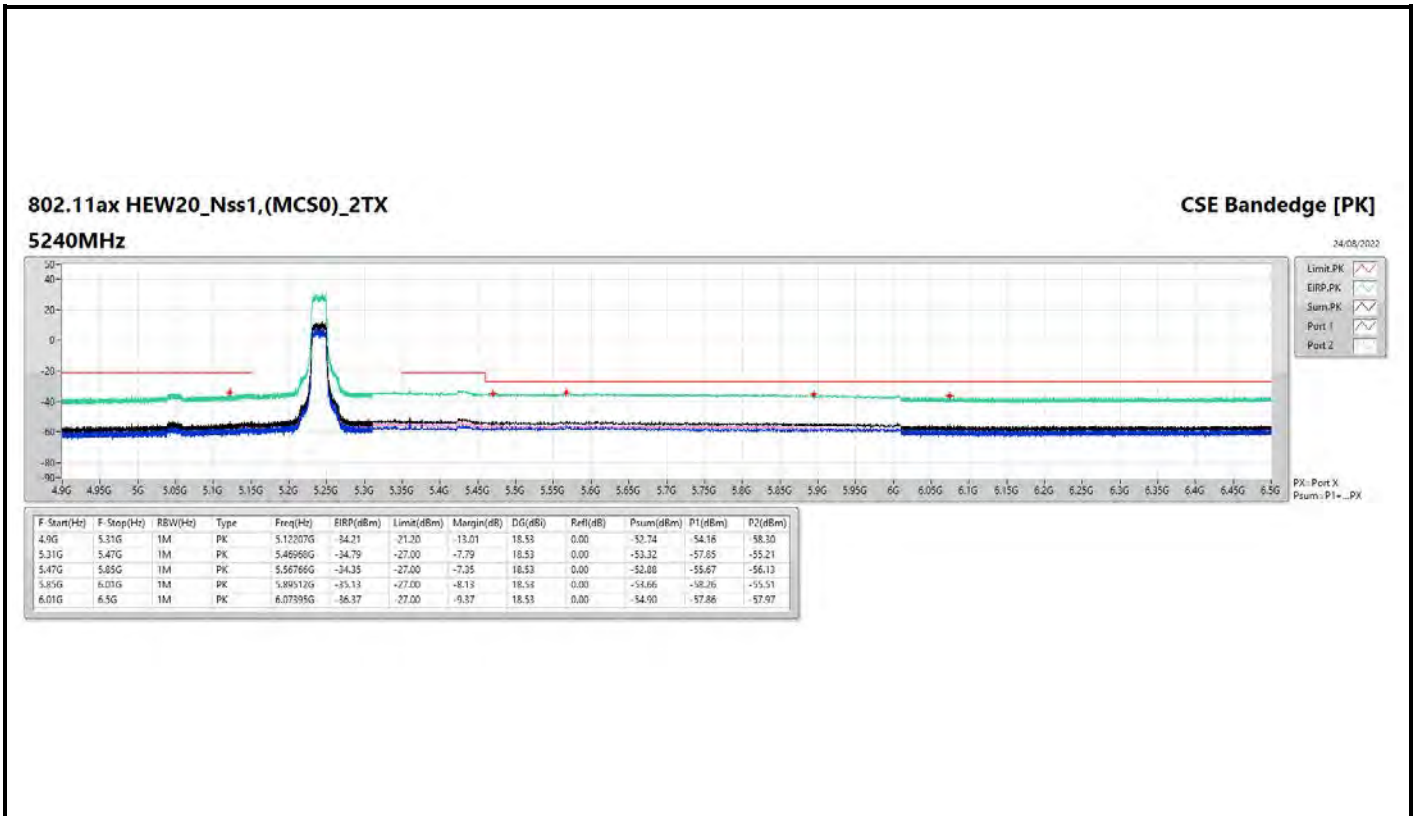


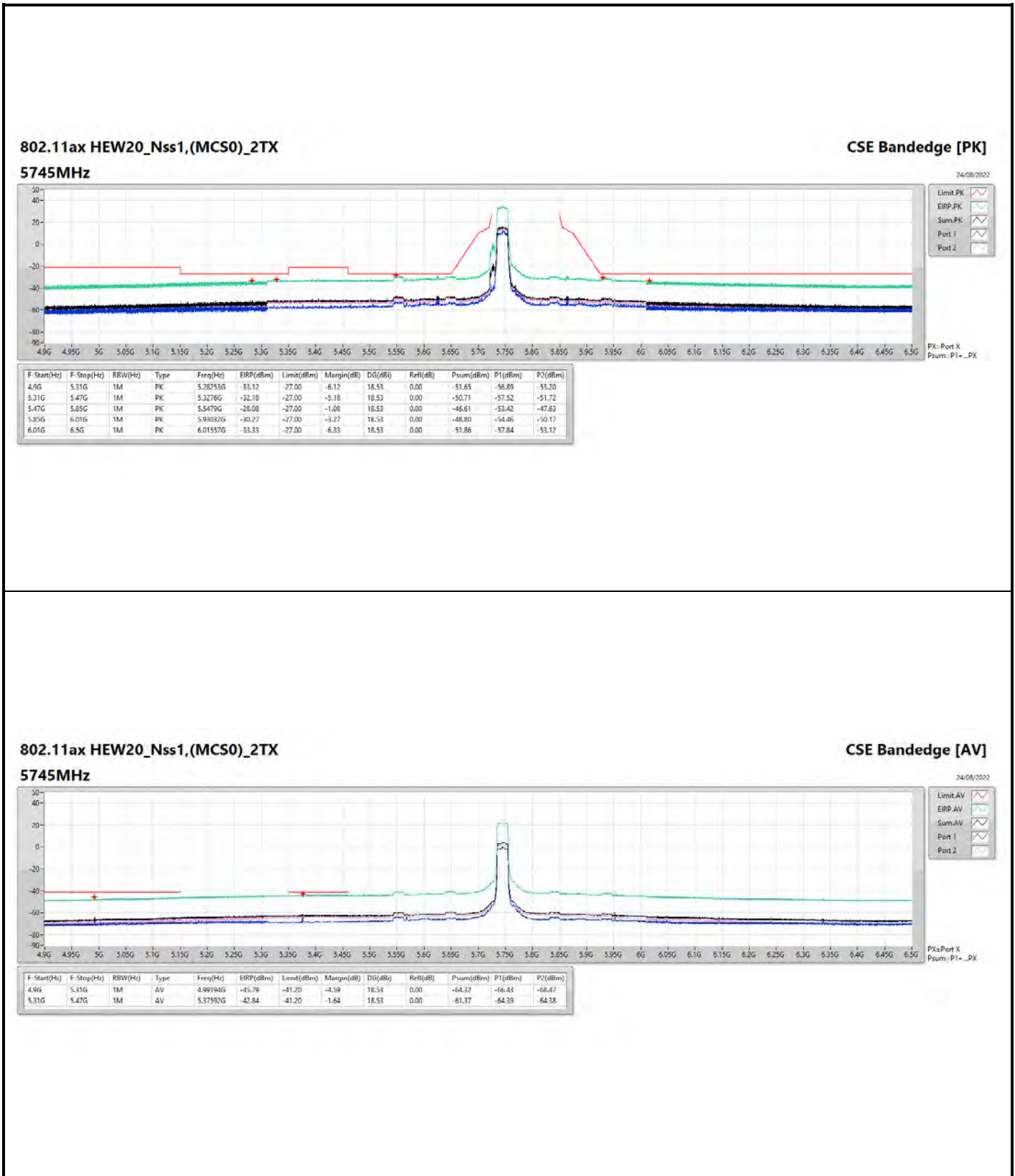




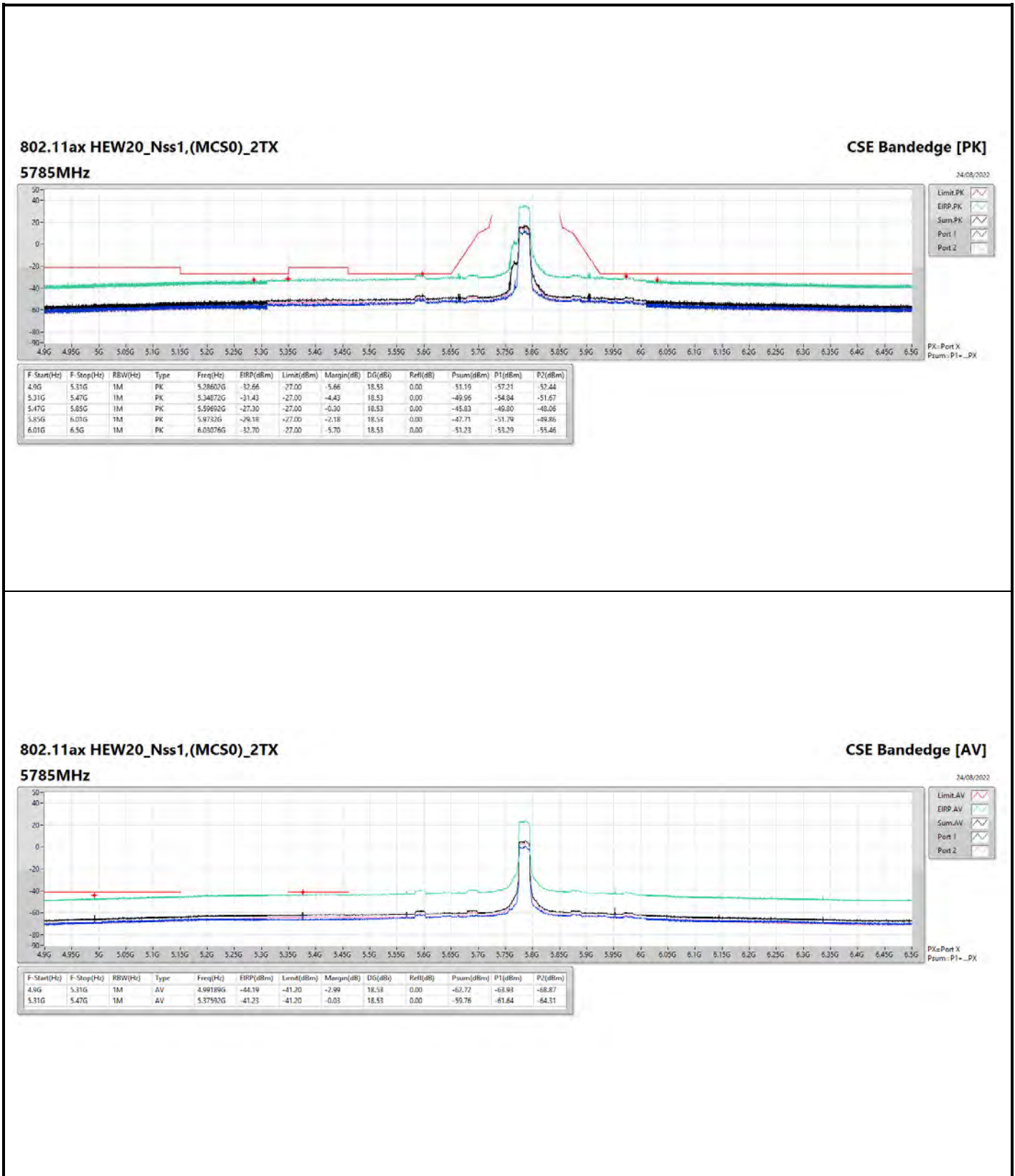










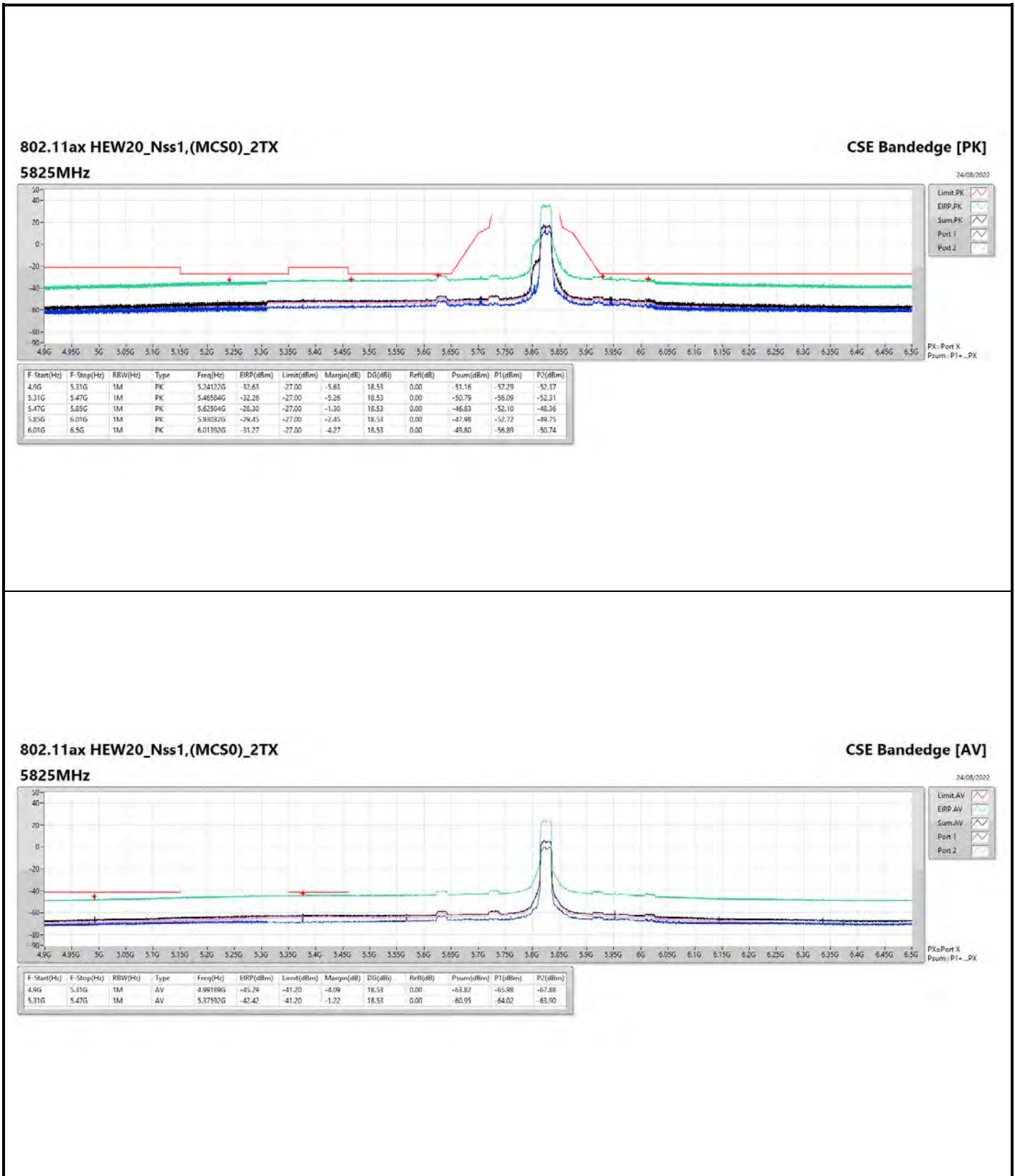


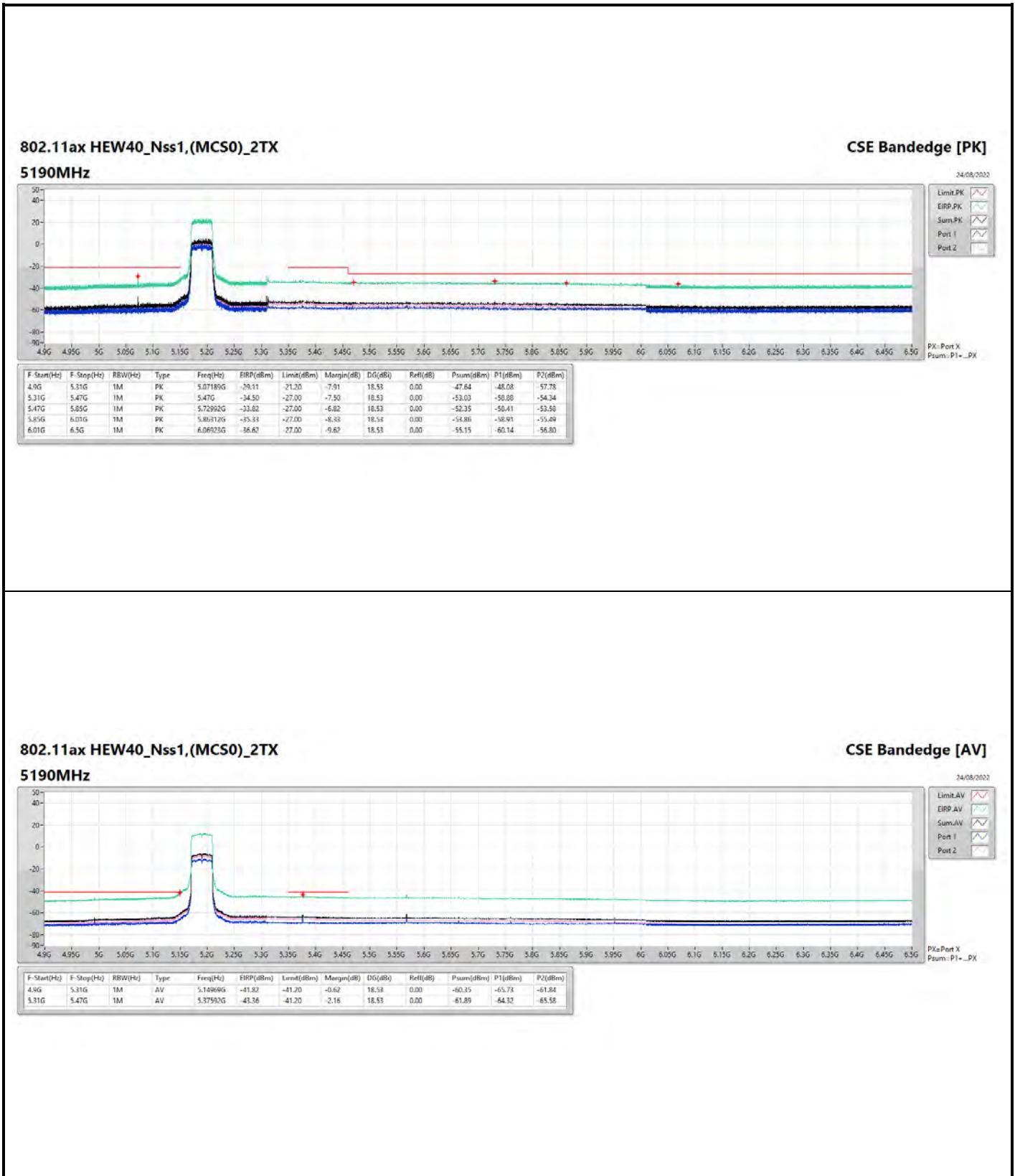
**802.11ax HEW20\_Nss1,(MCS0)\_2TX**

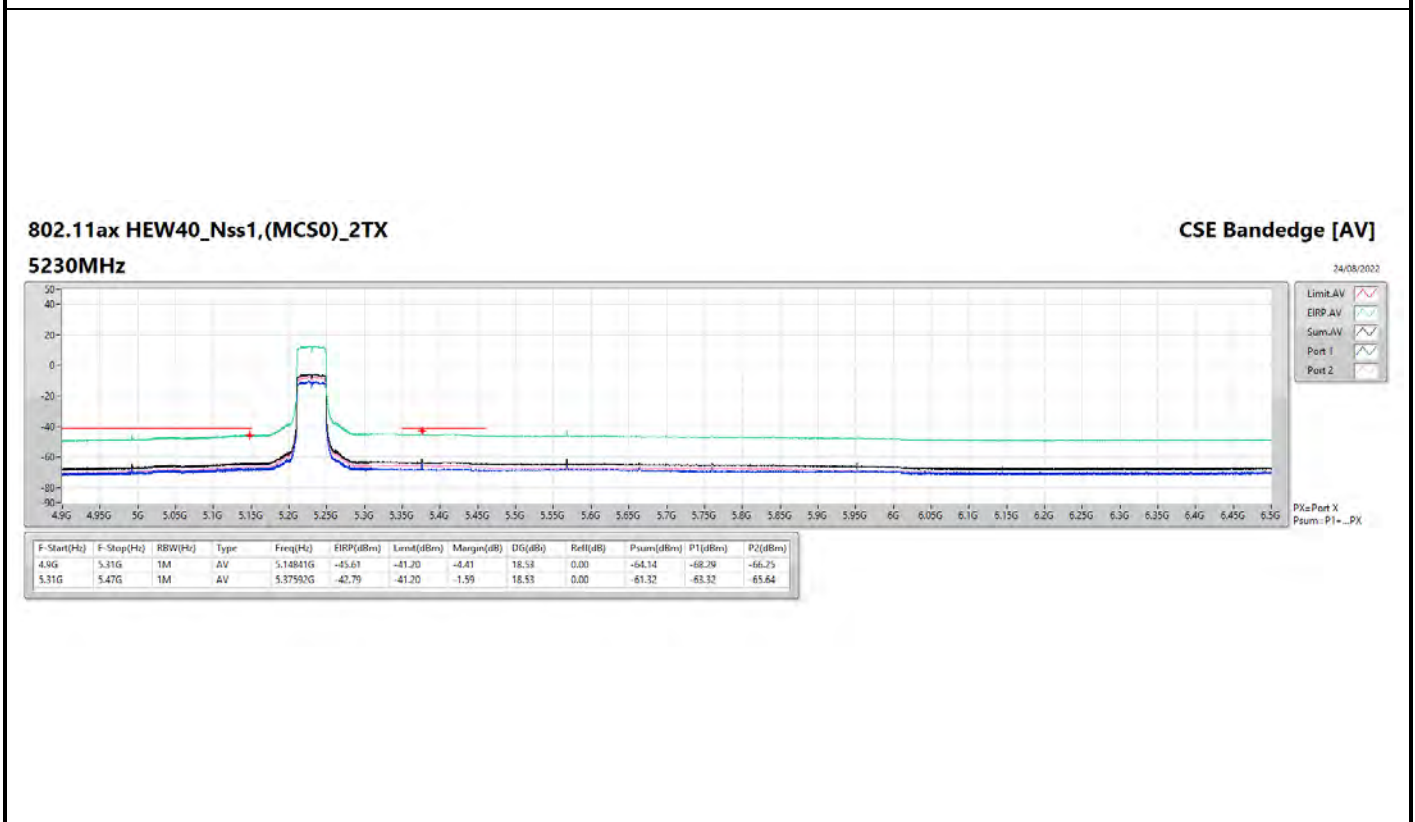
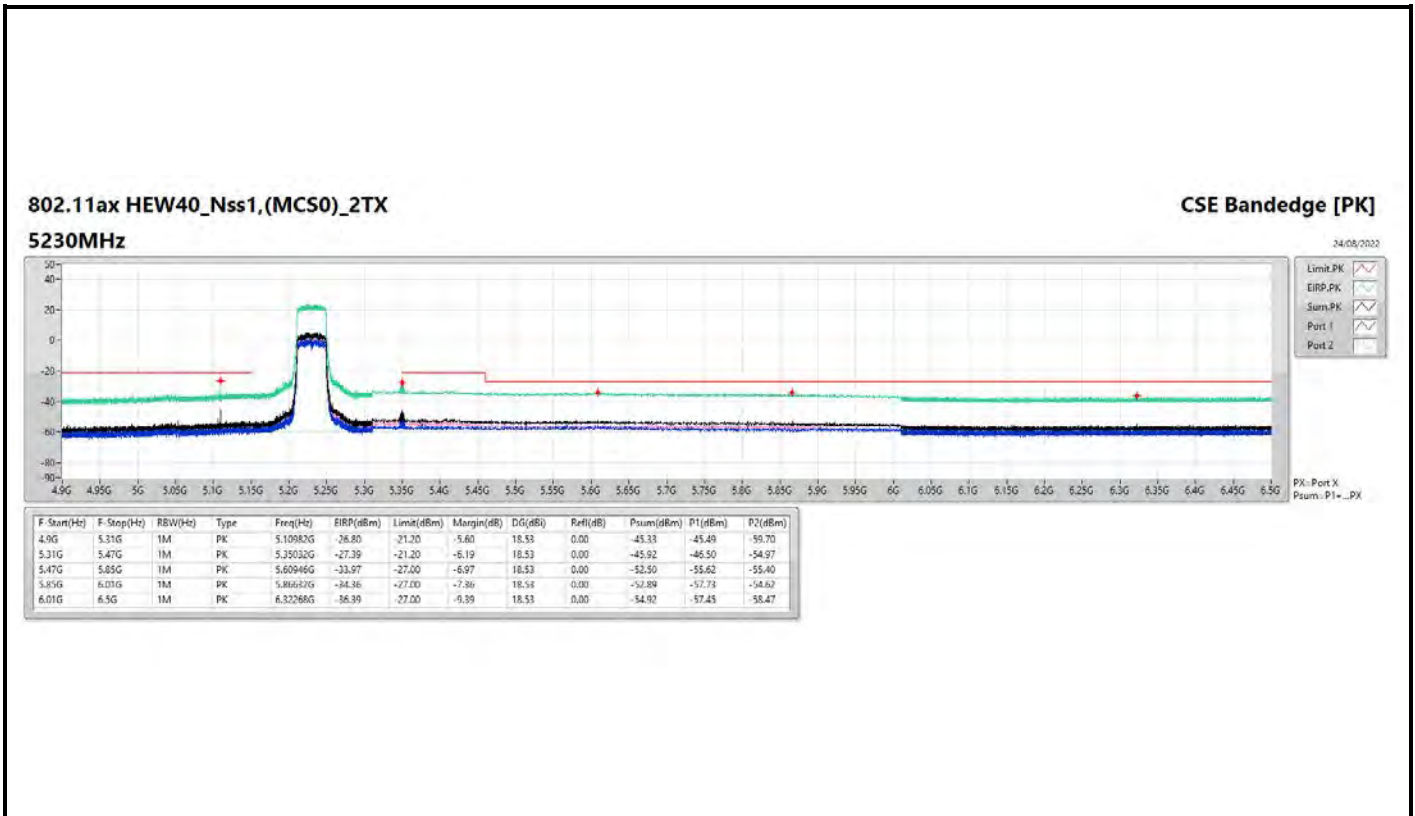
**5785MHz**

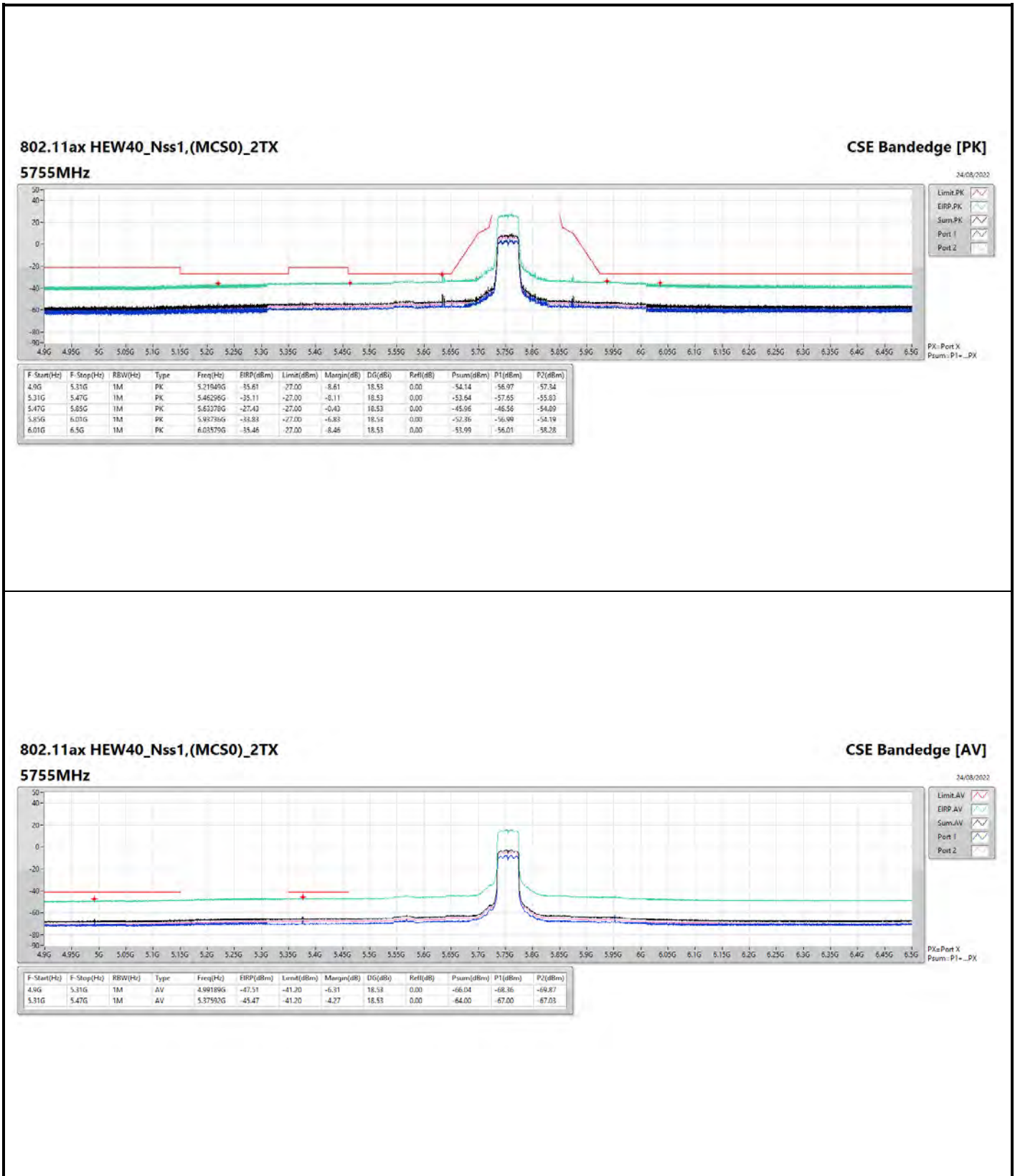
**CSE Bandedge [AV]**

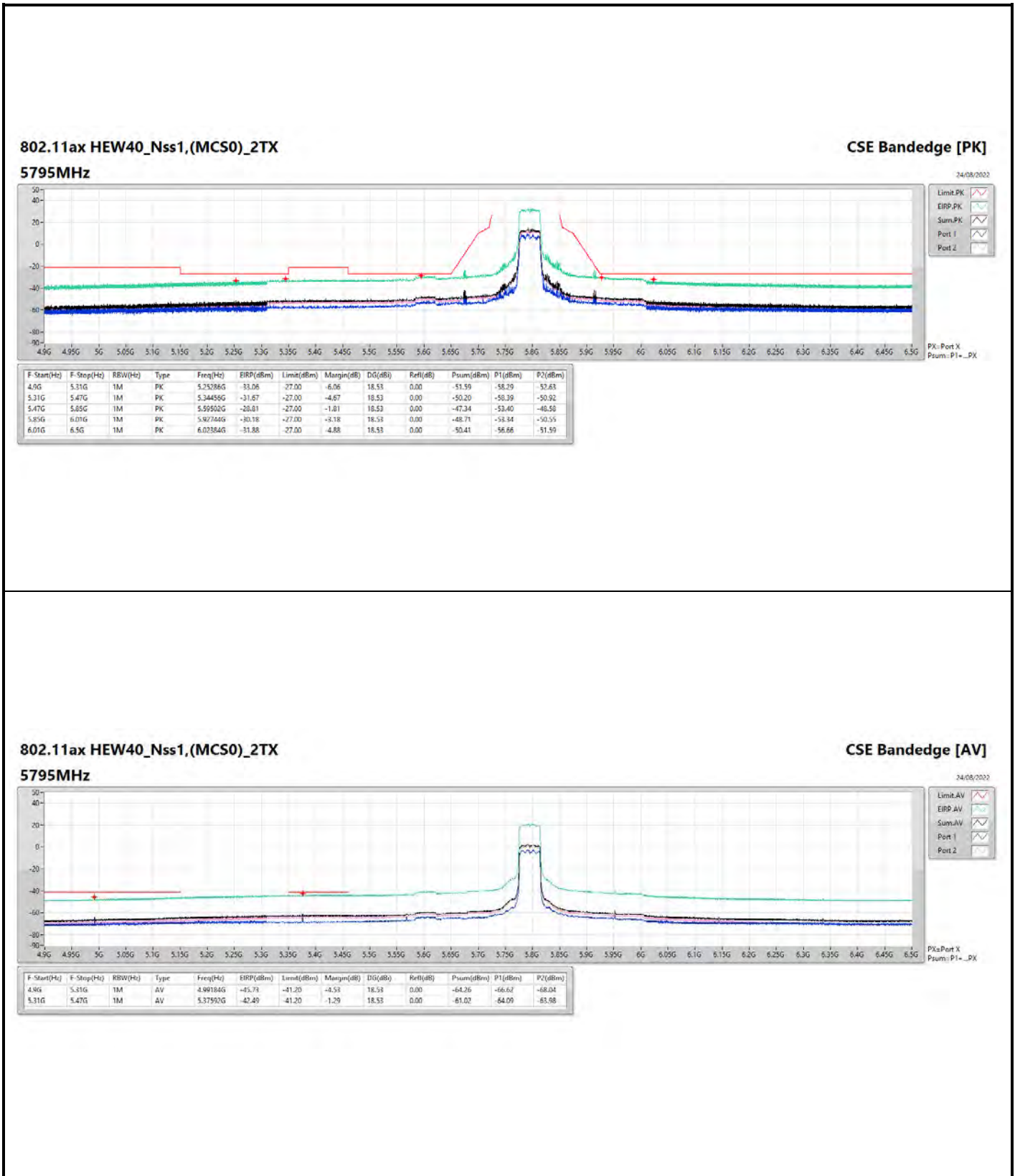
24/08/2022

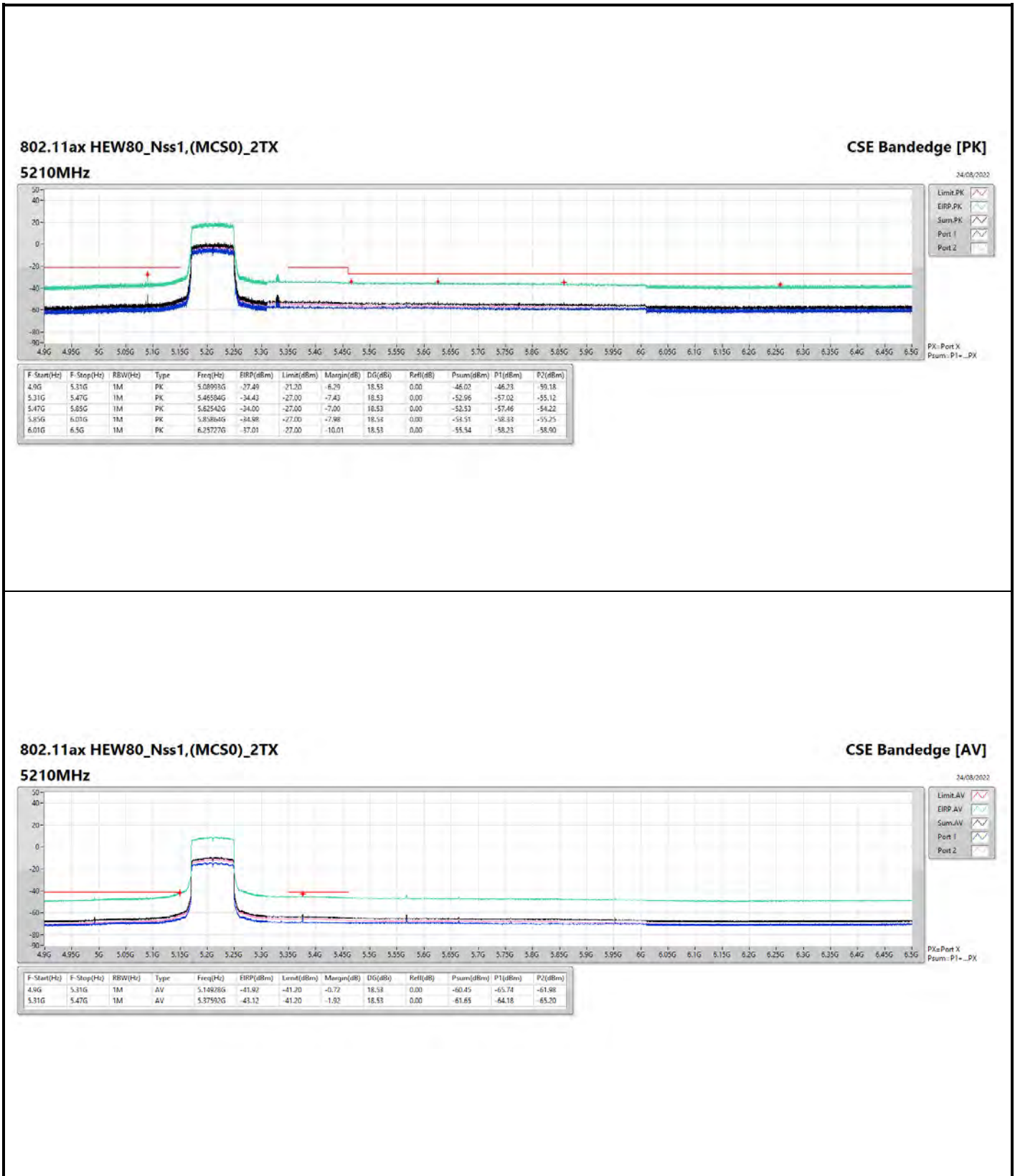


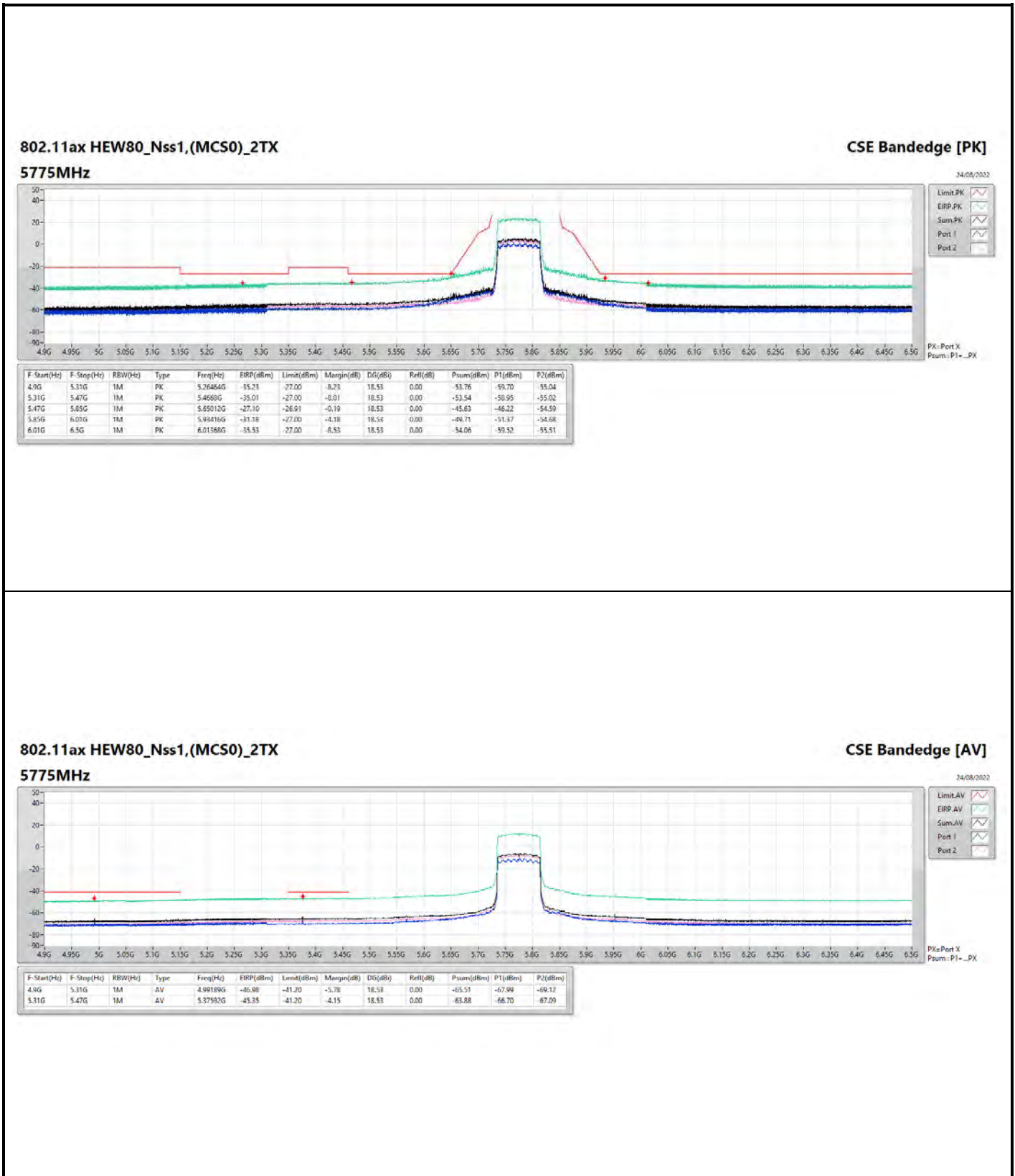




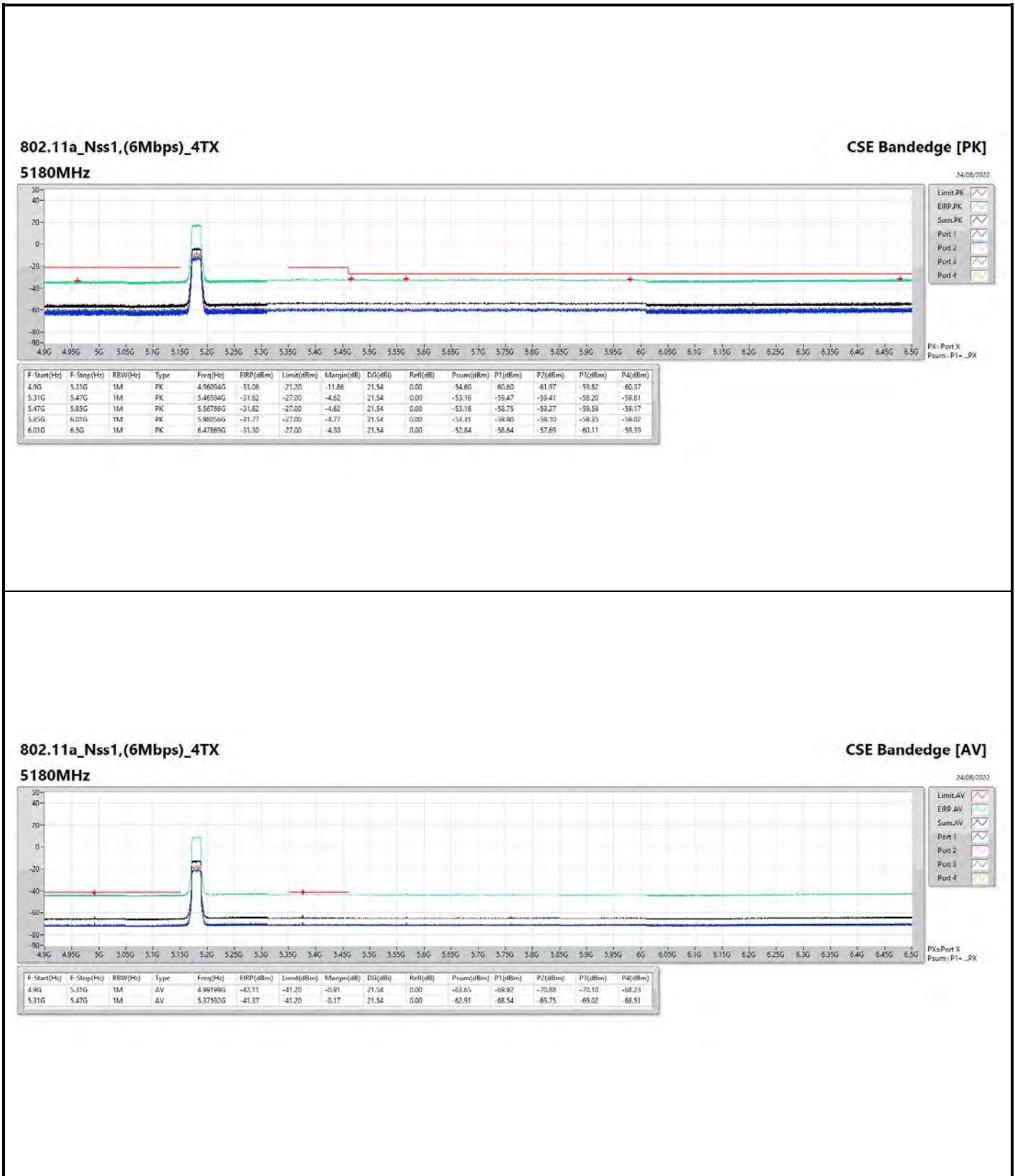




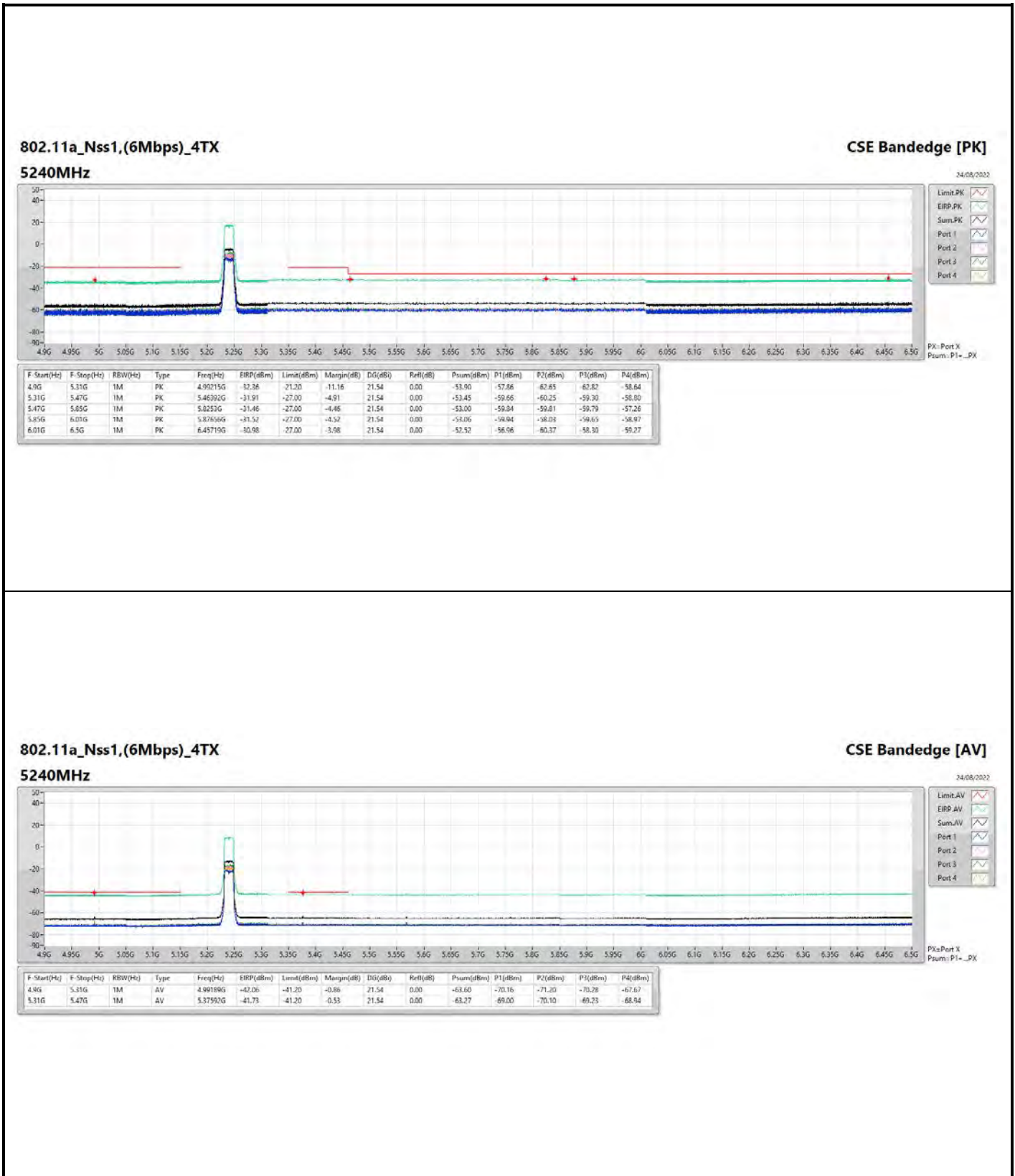


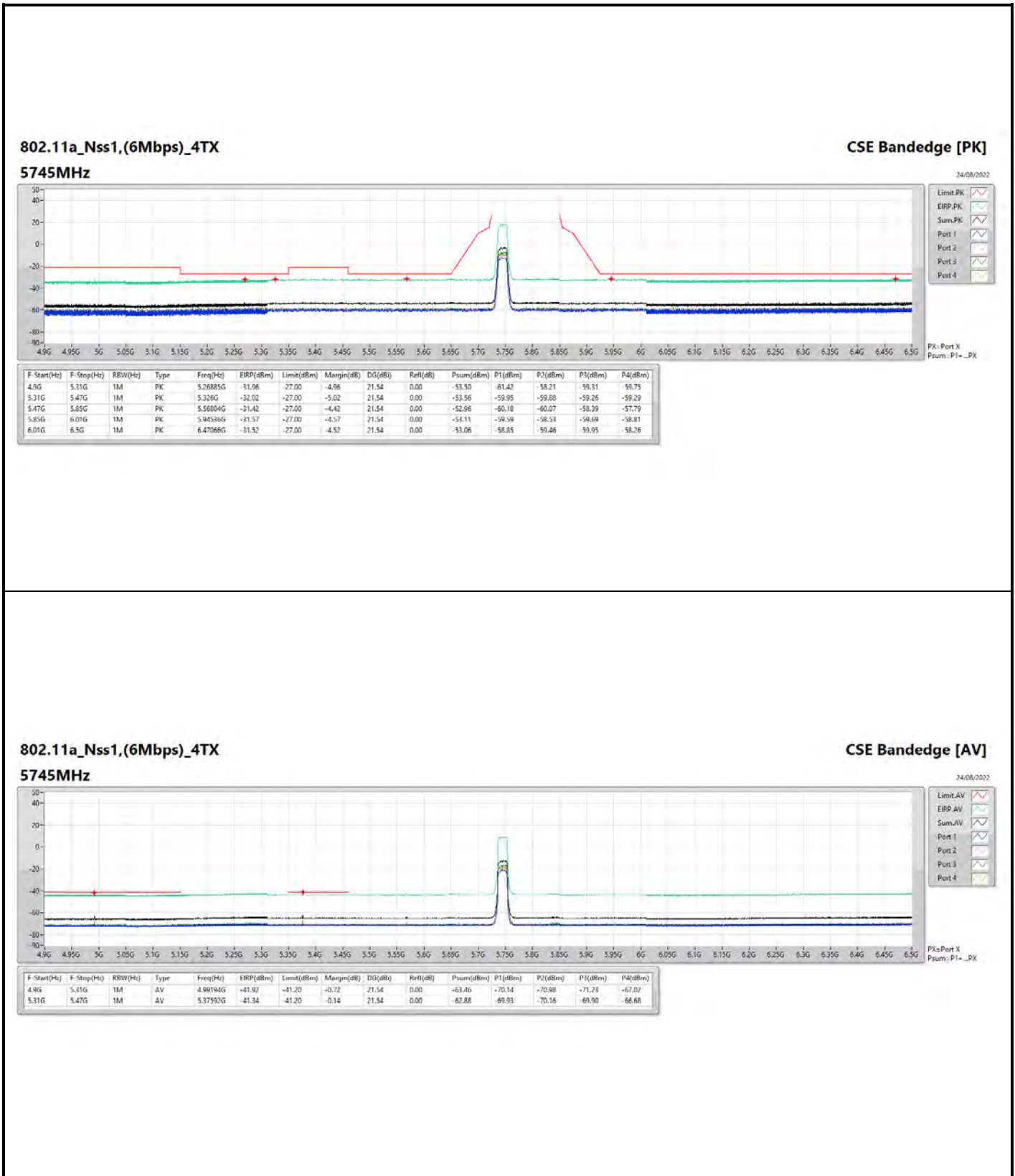


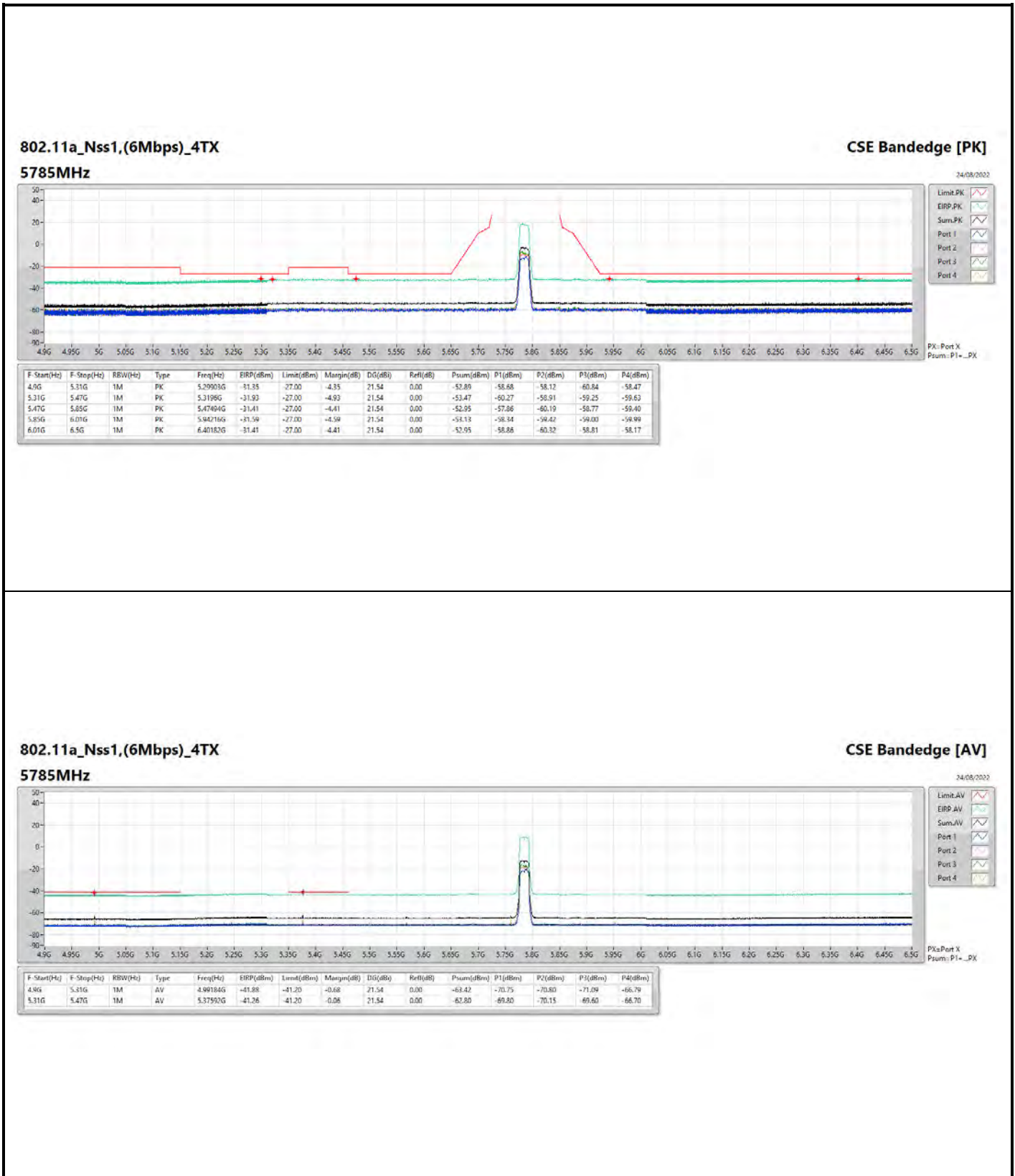










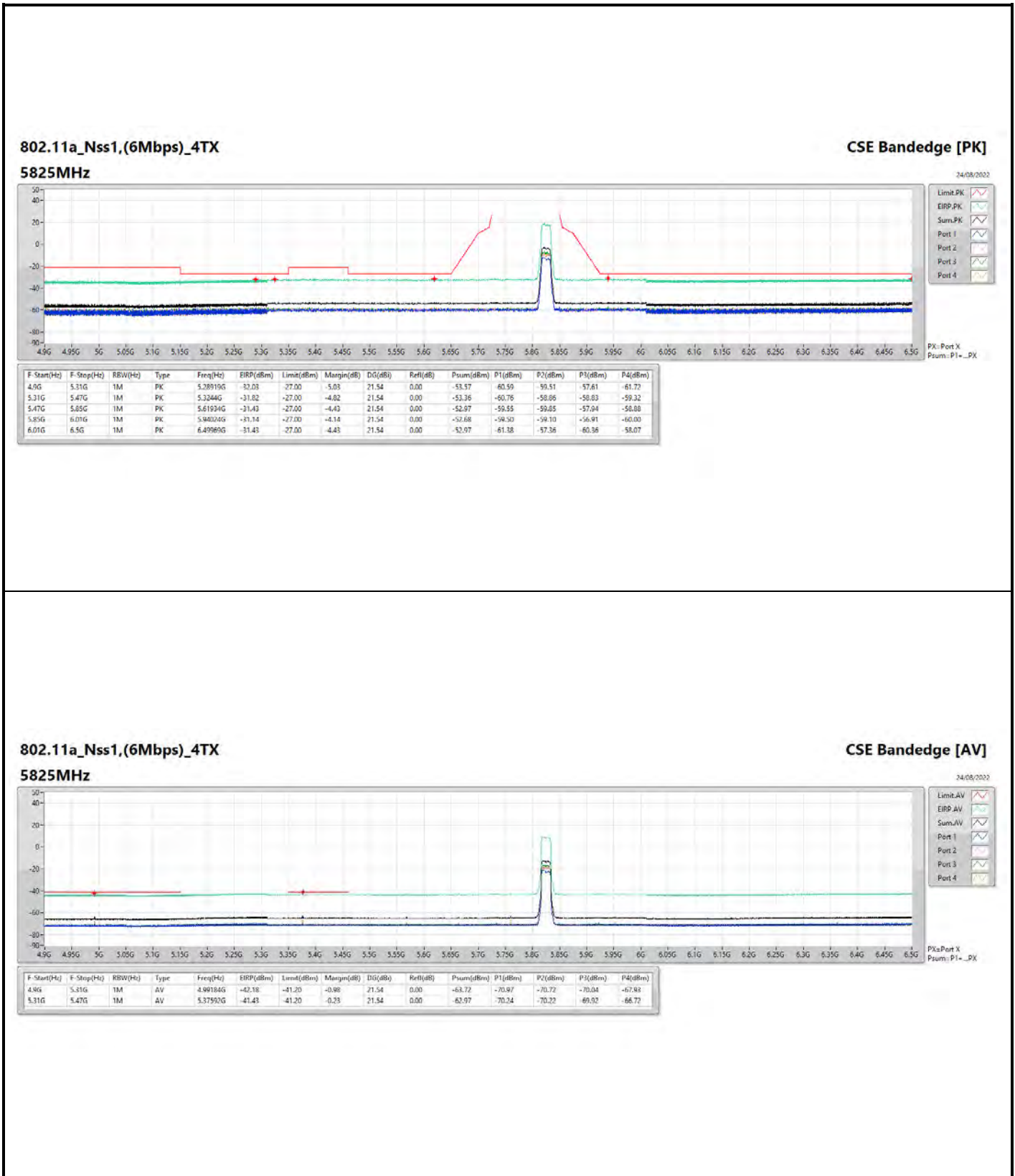


**802.11a\_Nss1,(6Mbps)\_4TX**

**5785MHz**

**CSE Bandedge [AV]**

24/08/2022



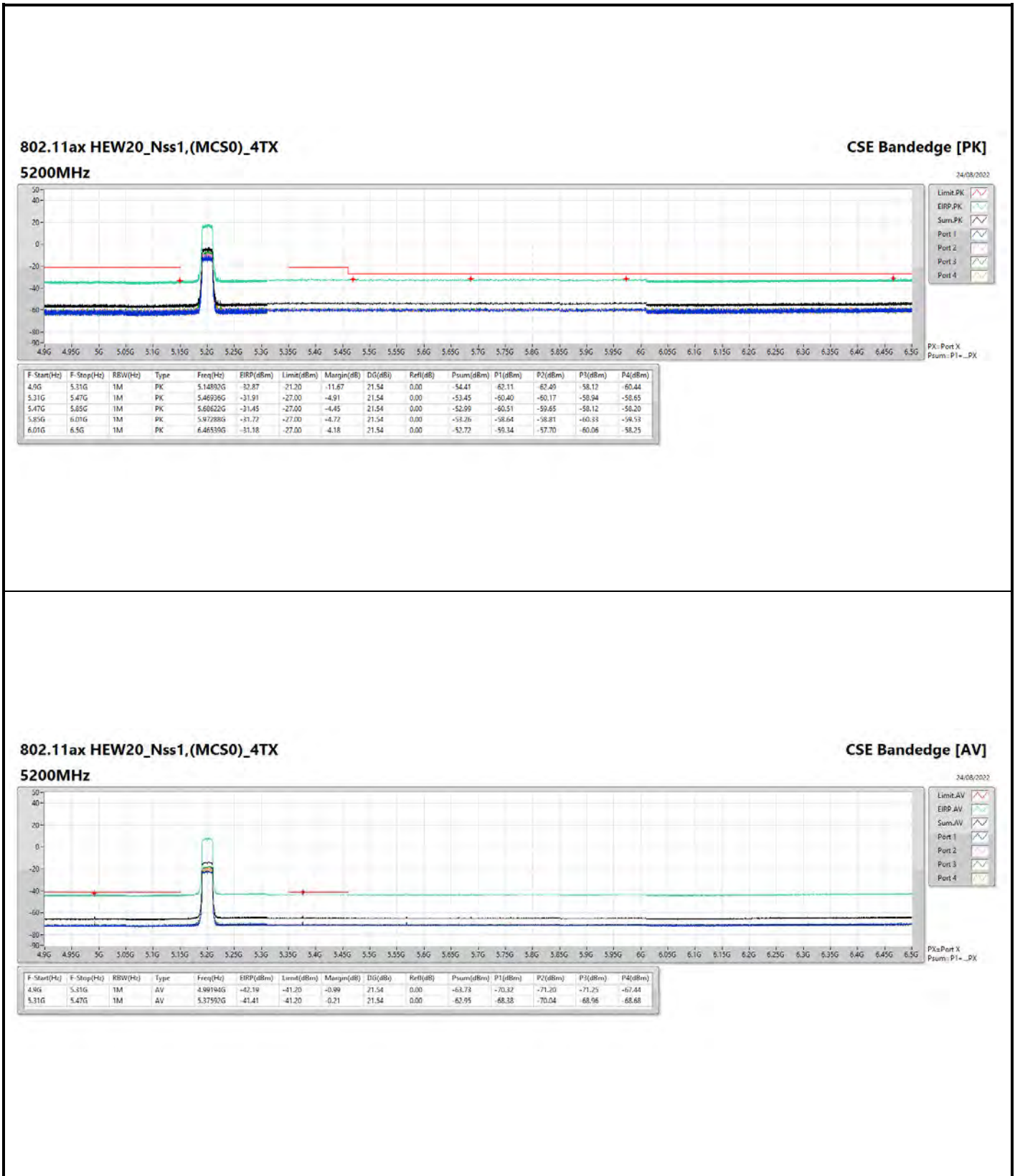


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**

**5180MHz**

**CSE Bandedge [AV]**

24/08/2022



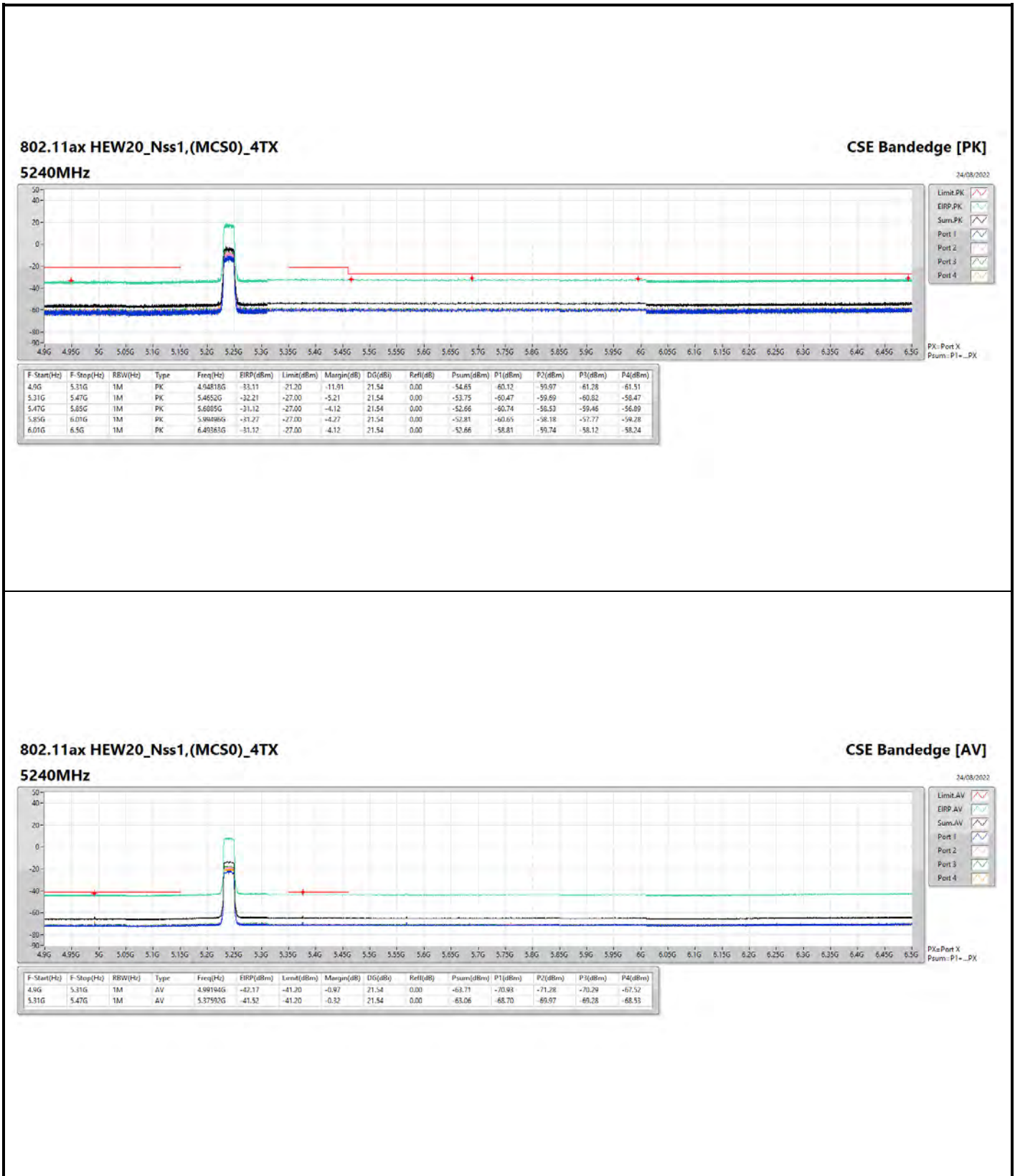
**802.11ax HEW20\_Nss1,(MCS0)\_4TX**

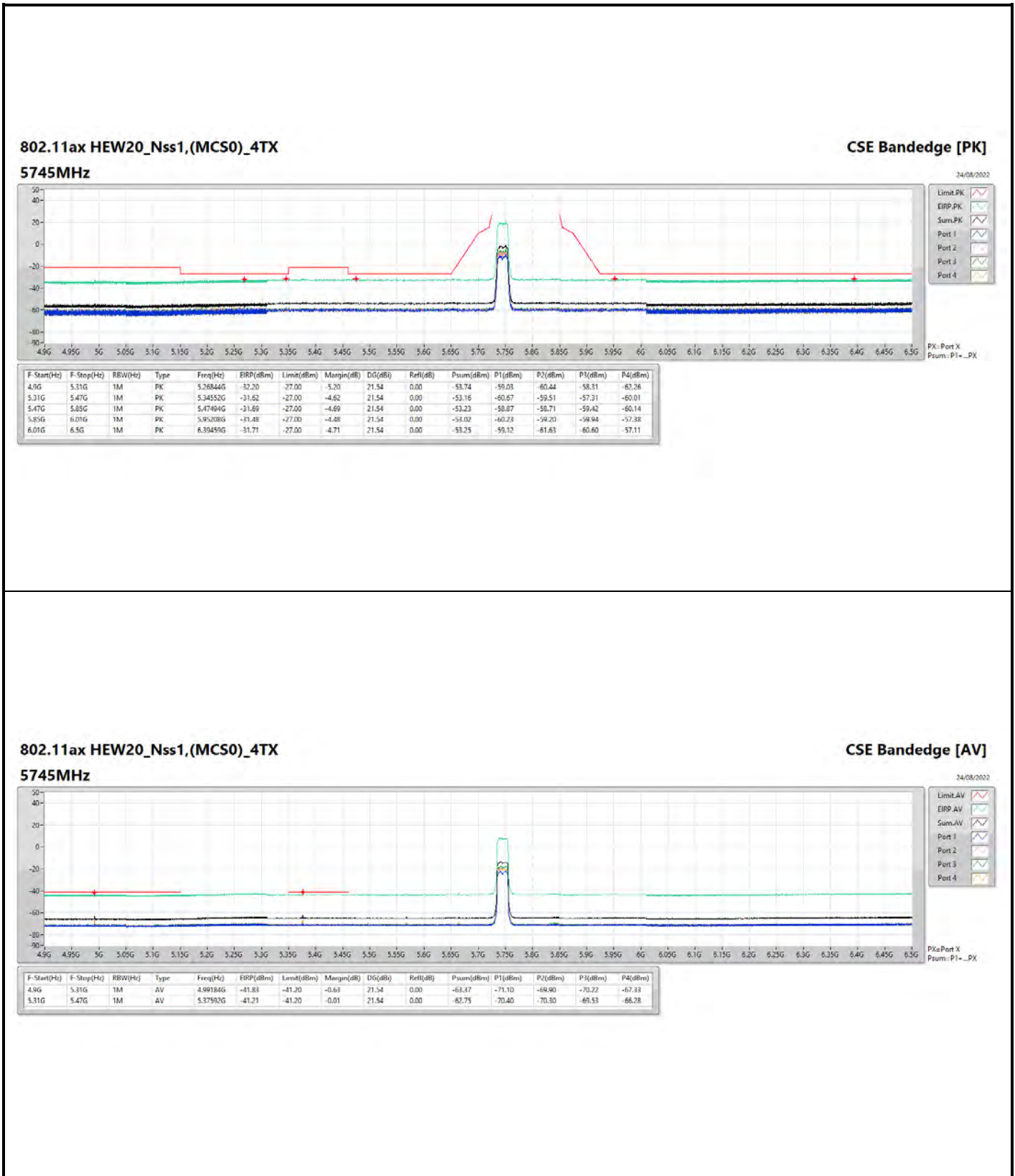
**5200MHz**

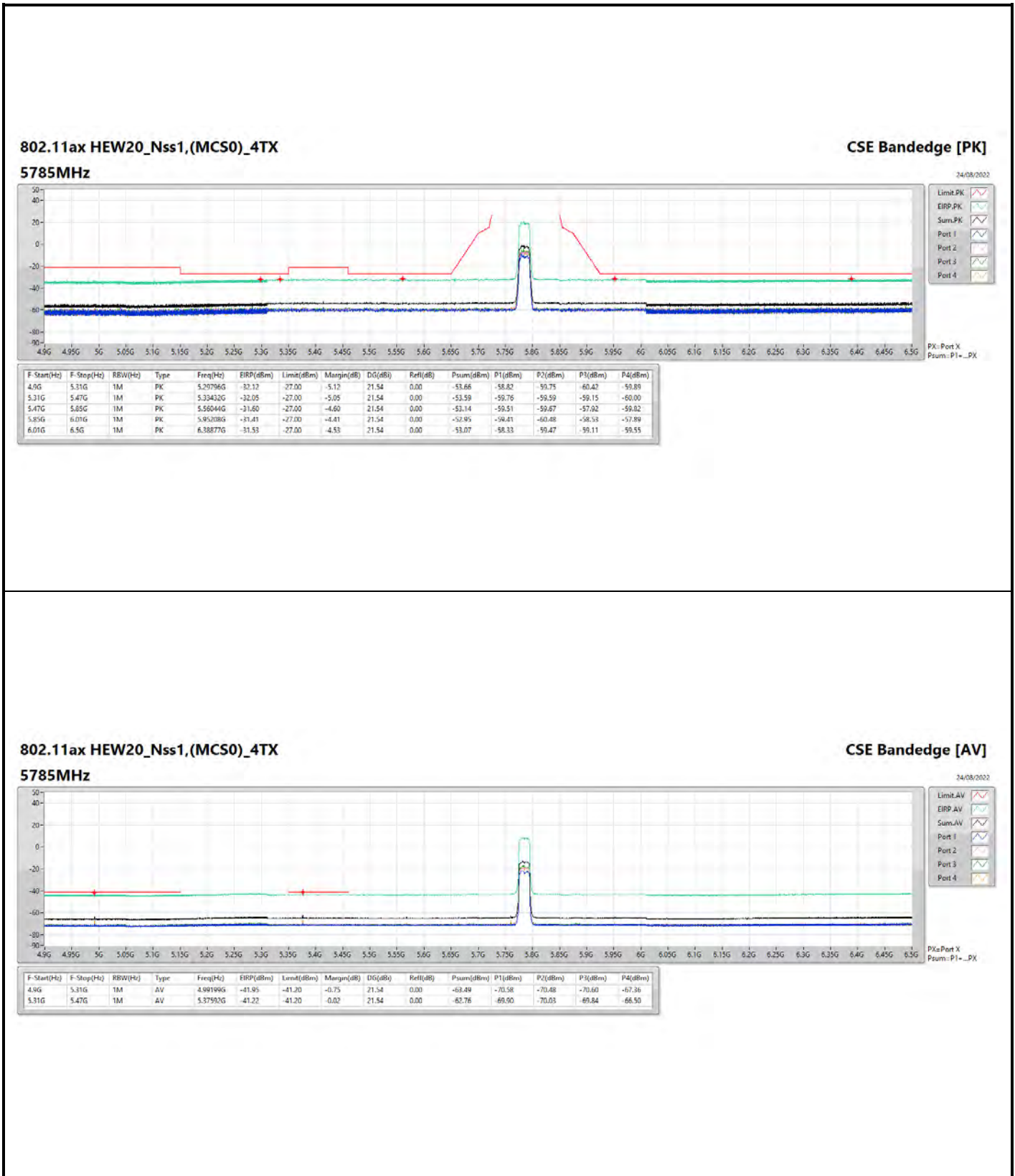
**CSE Bandedge [AV]**

24/08/2022







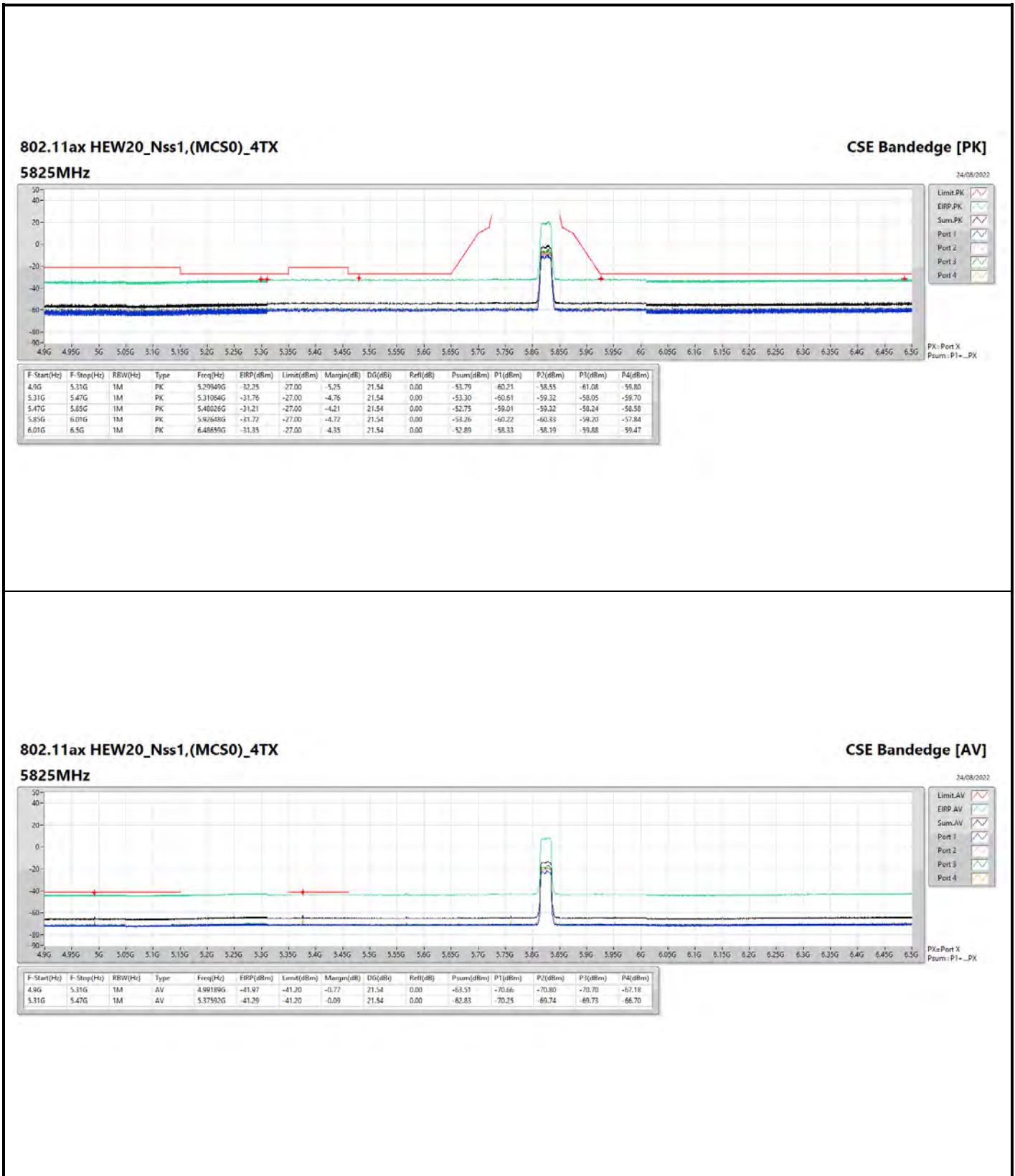


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**

**5785MHz**

**CSE Bandedge [AV]**

24/08/2022

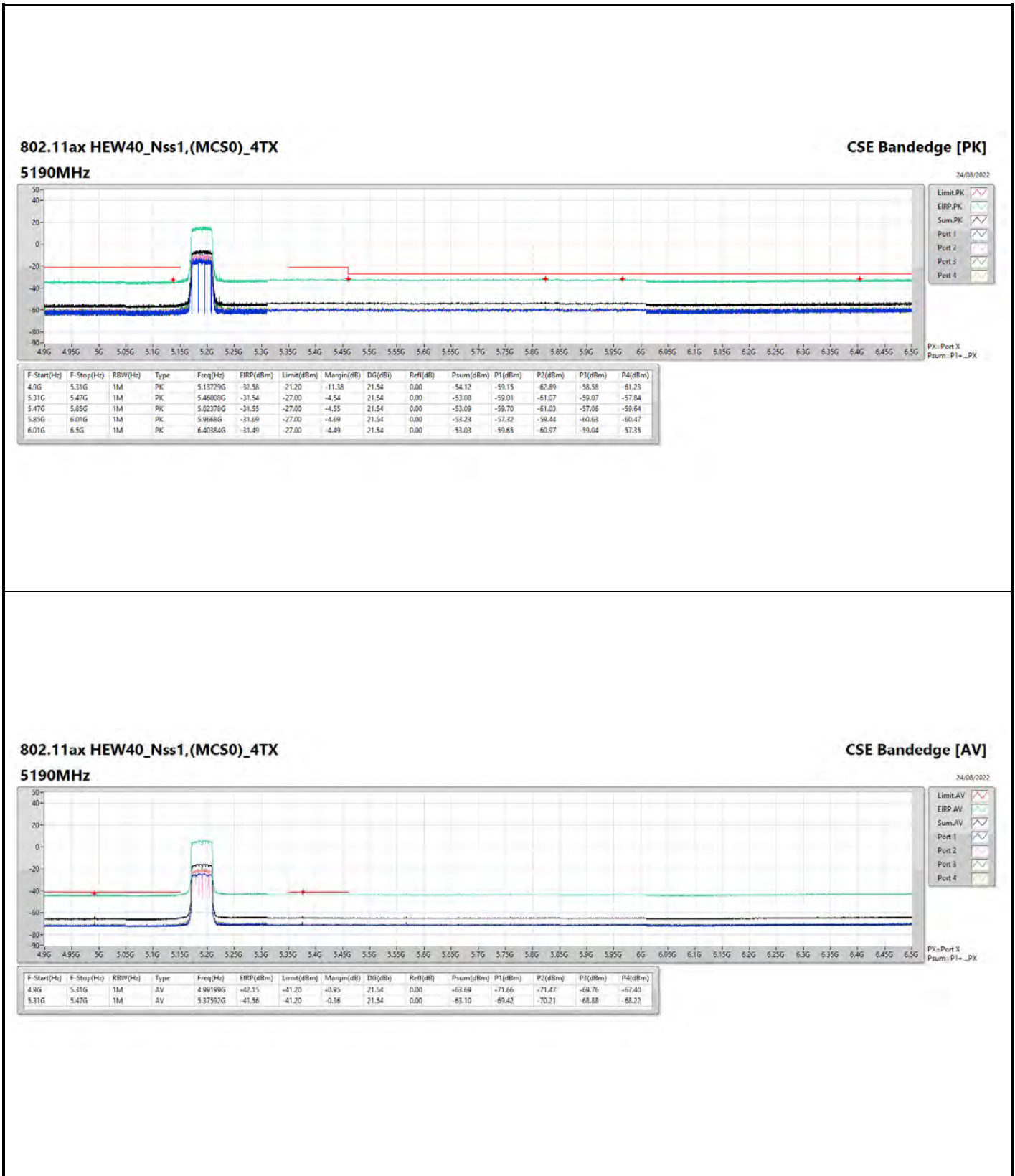


**802.11ax HEW20\_Nss1,(MCS0)\_4TX**

**5825MHz**

**CSE Bandedge [AV]**

24/08/2022

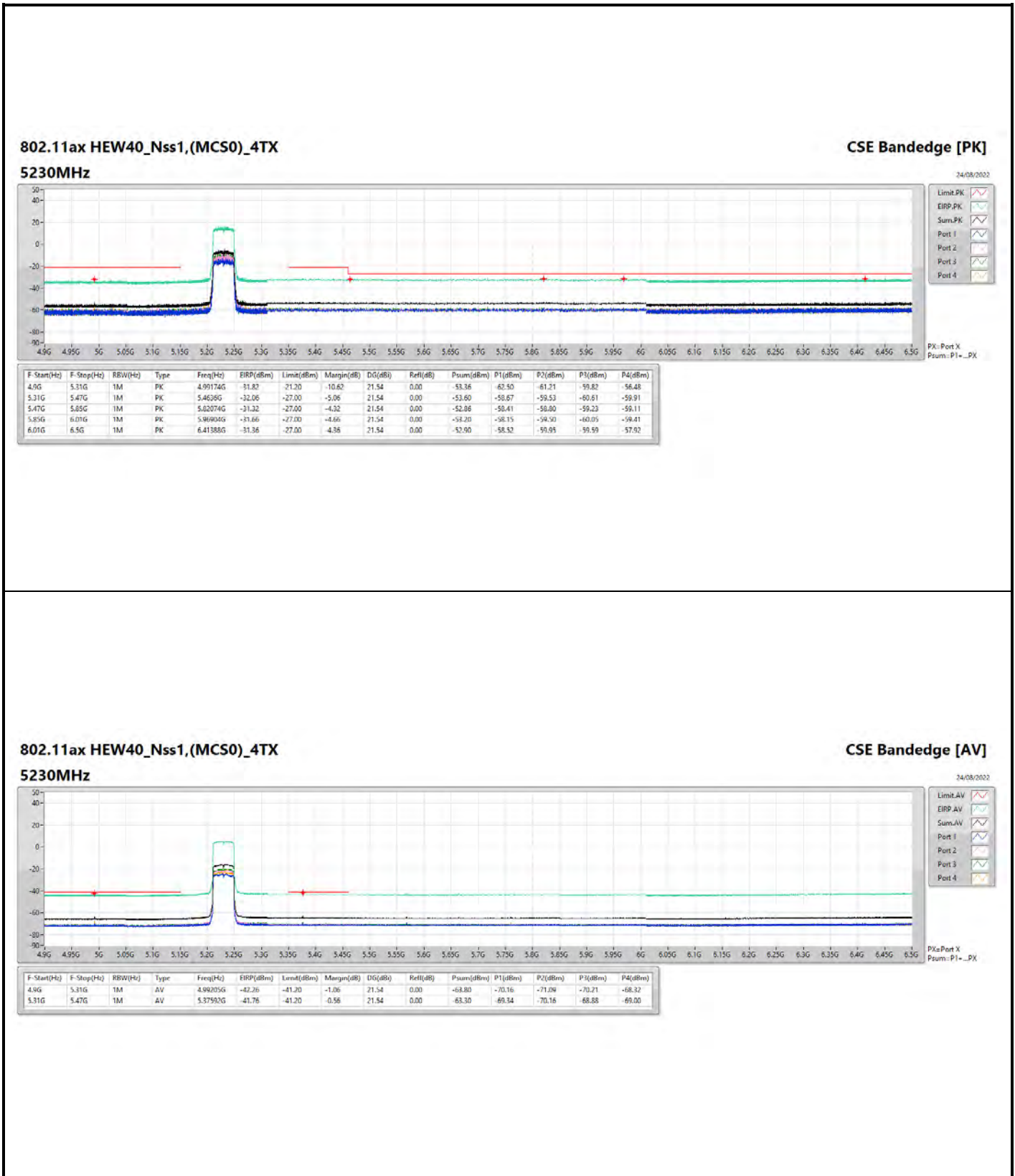


**802.11ax HEW40\_Nss1,(MCS0)\_4TX**

**5190MHz**

**CSE Bandedge [AV]**

24/08/2022

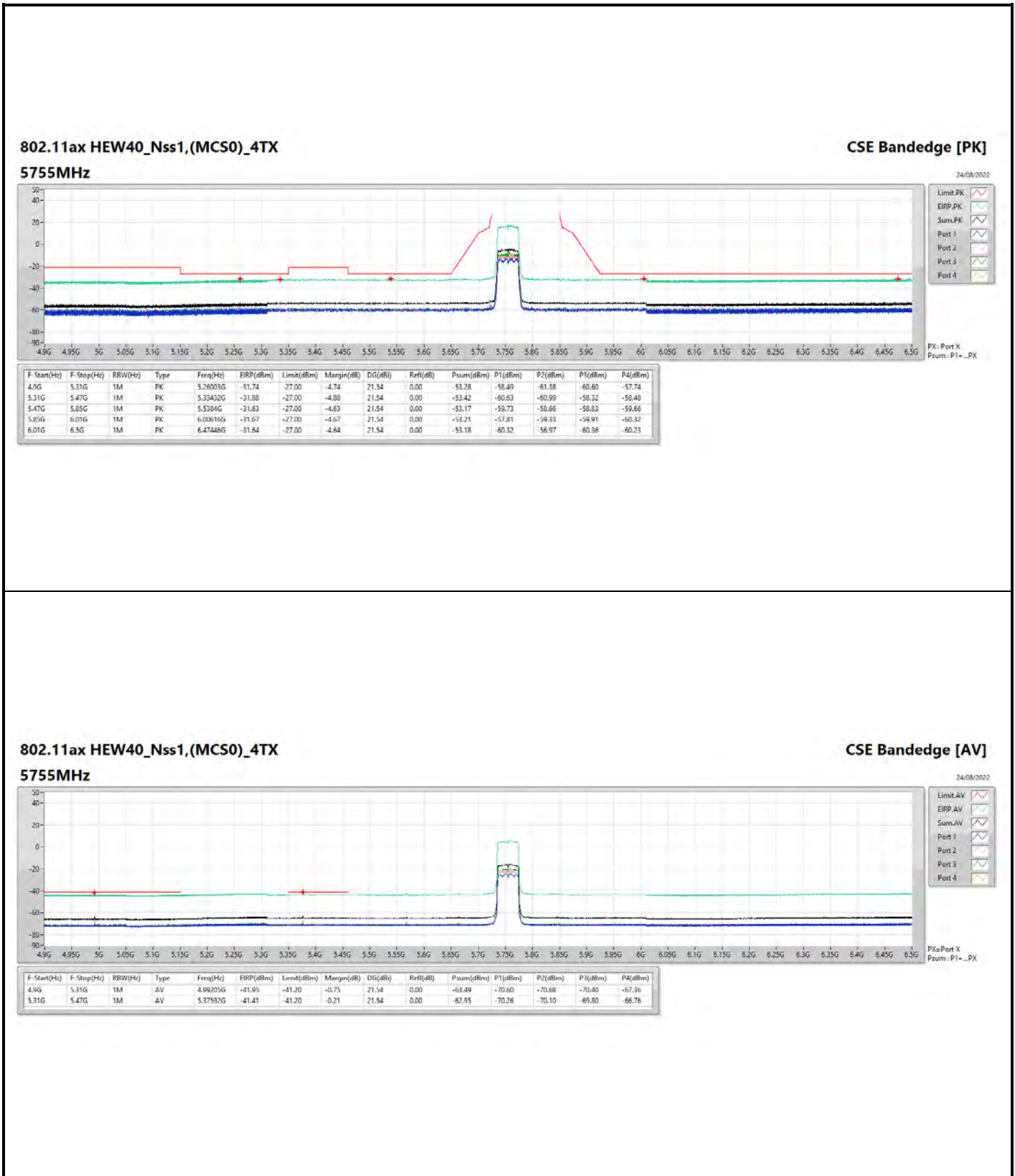


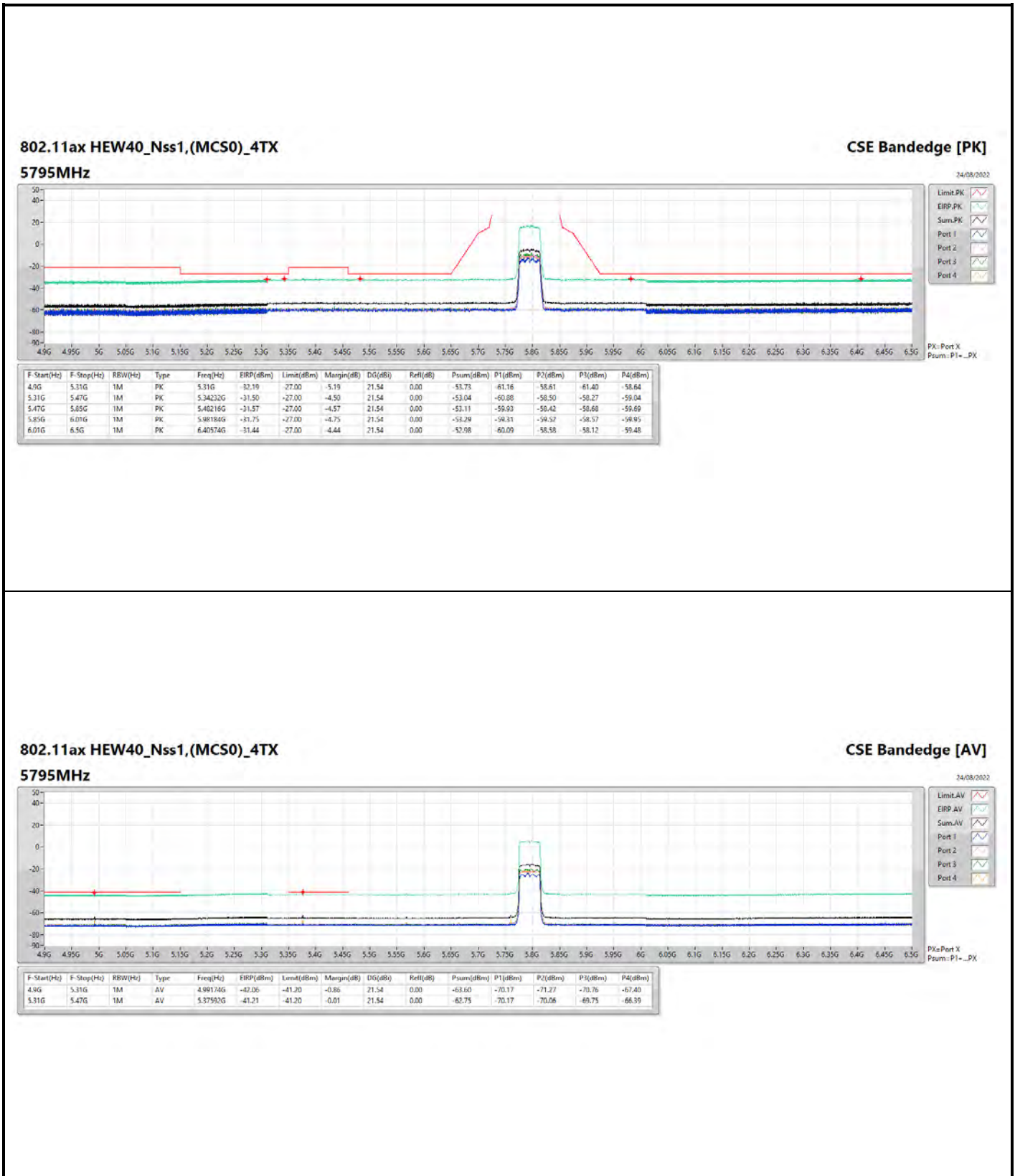
**802.11ax HEW40\_Nss1,(MCS0)\_4TX**

**5230MHz**

**CSE Bandedge [AV]**

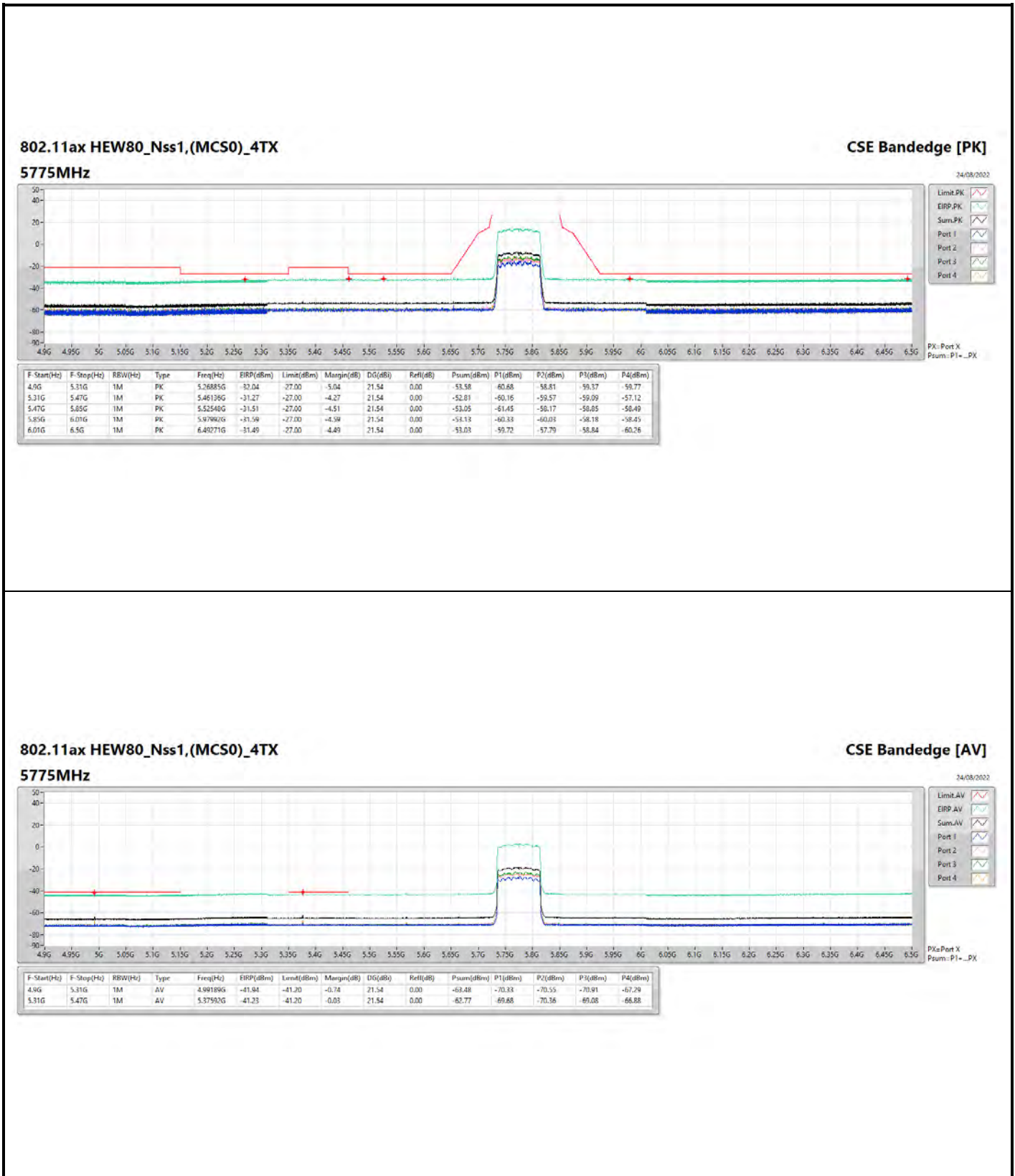
24/08/2022













CSE\_Pine R2\_Antenna set 3 (Harmonic 1GHz ~ 8GHz)\_P to M Appendix E.11

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	1G	5.11G	AV	1.91961G	-53.36	-41.20	-12.16	-56.36			
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	5.11G	5.15G	AV	5.13336G	-51.44	-41.20	-10.24	-54.44			
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	5.07G	5.15G	AV	5.13128G	-42.84	-41.20	-1.64	-45.84			
802.11ax HEW80_Nss1,(MCS0)_1TX	Pass	1G	4.99G	AV	1.9197G	-53.42	-41.20	-12.22	-56.42			
802.11a_Nss1,(6Mbps)_2TX	Pass	5.35G	5.39G	AV	5.38368G	-52.18	-41.20	-10.98	-60.79	-56.57		
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	5.11G	5.15G	AV	5.13288G	-51.56	-41.20	-10.36	-60.88	-55.72		
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	5.07G	5.15G	AV	5.12776G	-46.25	-41.20	-5.05	-54.32	-50.87		
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	4.99G	5.15G	AV	5.11448G	-42.15	-41.20	-0.95	-50.98	-46.46		
802.11a_Nss1,(6Mbps)_4TX	Pass	5.35G	5.39G	AV	5.35864G	-48.62	-41.20	-7.42	-61.18	-57.28	-57.06	-56.42
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	5.35G	5.39G	AV	5.36608G	-48.58	-41.20	-7.38	-61.21	-57.41	-57.61	-55.77
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	5.35G	5.43G	AV	5.39224G	-46.82	-41.20	-5.62	-59.38	-55.78	-55.52	-54.19
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	4.99G	5.15G	AV	5.12792G	-44.12	-41.20	-2.92	-58.91	-53.08	-51.74	-51.88
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	1G	5.685G	AV	1.92002G	-53.84	-41.20	-12.64	-56.84			
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	1G	5.685G	AV	1.92002G	-54.03	-41.20	-12.83	-57.03			
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	1G	5.645G	AV	1.91971G	-53.59	-41.20	-12.39	-56.59			
802.11ax HEW80_Nss1,(MCS0)_1TX	Pass	5.565G	5.725G	PK	5.65012G	-29.58	-26.91	-2.67	-32.58			
802.11a_Nss1,(6Mbps)_2TX	Pass	1G	5.685G	AV	5.39453G	-53.67	-41.20	-12.47	-63.13	-57.78		
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	1G	5.685G	AV	5.3957G	-53.64	-41.20	-12.44	-63.49	-57.64		
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	5.645G	5.725G	PK	5.6482G	-34.21	-27.00	-7.21	-43.77	-38.29		
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	1G	5.565G	AV	1.91985G	-53.32	-41.20	-12.12	-56.38	-75.27		
802.11a_Nss1,(6Mbps)_4TX	Pass	1G	5.685G	AV	5.36876G	-50.03	-41.20	-8.83	-63.80	-58.51	-57.18	-59.08
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	1G	5.685G	AV	5.36818G	-50.02	-41.20	-8.82	-63.52	-57.70	-58.28	-58.65
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	5.645G	5.725G	PK	5.6466G	-29.66	-27.00	-2.66	-46.98	-39.95	-36.61	-36.94
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	1G	5.565G	AV	5.37384G	-53.58	-41.20	-12.38	-66.11	-61.95	-61.41	-62.28

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



CSE\_Pine R2\_Antenna set 3 (Harmonic 1GHz ~ 8GHz)\_P to M Appendix E.11

Result

Table with 15 columns: 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). Rows include test results for modes 802.11a\_Nss1, 802.11ax\_HEW20, and 802.11ax\_HEW20.



# CSE\_Pine R2\_Antenna set 3 (Harmonic 1GHz ~ 8GHz)\_P to M Appendix E.11

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5200MHz	Pass	5.11G	5.15G	PK	5.12408G	3.00	-48.86				-48.86	-48.86	-21.20	-24.66
5200MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-51.36				-51.36	-48.36	-21.20	-27.16
5200MHz	Pass	5.35G	5.39G	PK	5.36848G	3.00	-49.03				-49.03	-46.03	-21.20	-24.83
5200MHz	Pass	5.39G	8G	PK	6.02847G	3.00	-52.91				-52.91	-49.91	-27.00	-22.91
5240MHz	Pass	1G	5.11G	AV	1.91961G	3.00	-58.88				-58.88	-55.88	-41.20	-14.68
5240MHz	Pass	5.11G	5.15G	AV	5.11376G	3.00	-61.51				-61.51	-58.51	-41.20	-17.31
5240MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-62.68				-62.68	-59.68	-41.20	-18.48
5240MHz	Pass	5.35G	5.39G	AV	5.3868G	3.00	-60.32				-60.32	-57.32	-41.20	-16.12
5240MHz	Pass	5.39G	8G	AV	5.40338G	3.00	-60.92				-60.92	-57.92	-41.20	-16.72
5240MHz	Pass	1G	5.11G	PK	1.27948G	3.00	-54.68				-54.68	-51.68	-27.00	-24.68
5240MHz	Pass	5.11G	5.15G	PK	5.11G	3.00	-50.94				-50.94	-47.94	-21.20	-26.74
5240MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-52.02				-52.02	-49.02	-21.20	-27.82
5240MHz	Pass	5.35G	5.39G	PK	5.38832G	3.00	-49.43				-49.43	-46.43	-21.20	-25.23
5240MHz	Pass	5.39G	8G	PK	5.63012G	3.00	-51.92				-51.92	-48.92	-27.00	-21.92
5745MHz	Pass	1G	5.685G	AV	1.92002G	3.00	-57.21				-57.21	-54.21	-41.20	-13.01
5745MHz	Pass	5.89G	8G	AV	7.30898G	3.00	-71.88				-71.88	-68.88	-41.20	-27.68
5745MHz	Pass	1G	5.685G	PK	5.59364G	3.00	-51.20				-51.20	-48.20	-27.00	-21.20
5745MHz	Pass	5.685G	5.725G	PK	5.68692G	3.00	-46.03				-46.03	-43.03	0.32	-43.35
5745MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-60.67				-60.67	-57.67	27.00	-84.67
5745MHz	Pass	5.85G	5.89G	PK	5.88896G	3.00	-49.80				-49.80	-46.80	-0.33	-46.47
5745MHz	Pass	5.89G	8G	PK	5.97598G	3.00	-51.61				-51.61	-48.61	-27.00	-21.61
5785MHz	Pass	1G	5.685G	AV	1.92002G	3.00	-57.03				-57.03	-54.03	-41.20	-12.83
5785MHz	Pass	5.89G	8G	AV	7.73229G	3.00	-71.90				-71.90	-68.90	-41.20	-27.70
5785MHz	Pass	1G	5.685G	PK	5.62702G	3.00	-49.55				-49.55	-46.55	-27.00	-19.55
5785MHz	Pass	5.685G	5.725G	PK	5.68596G	3.00	-52.59				-52.59	-49.59	-0.39	-49.20
5785MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-59.59				-59.59	-56.59	27.00	-83.59
5785MHz	Pass	5.85G	5.89G	PK	5.88952G	3.00	-51.29				-51.29	-48.29	-0.74	-47.55
5785MHz	Pass	5.89G	8G	PK	5.95145G	3.00	-49.63				-49.63	-46.63	-27.00	-19.63
5825MHz	Pass	1G	5.685G	AV	1.92002G	3.00	-57.22				-57.22	-54.22	-41.20	-13.02
5825MHz	Pass	5.89G	8G	AV	7.32005G	3.00	-71.93				-71.93	-68.93	-41.20	-27.73
5825MHz	Pass	1G	5.685G	PK	5.64108G	3.00	-52.04				-52.04	-49.04	-27.00	-22.04
5825MHz	Pass	5.685G	5.725G	PK	5.68508G	3.00	-51.88				-51.88	-48.88	-1.04	-47.84
5825MHz	Pass	5.725G	5.85G	PK	5.725G	3.00	-60.47				-60.47	-57.47	27.00	-84.47
5825MHz	Pass	5.85G	5.89G	PK	5.88984G	3.00	-50.74				-50.74	-47.74	-0.98	-46.76
5825MHz	Pass	5.89G	8G	PK	5.97651G	3.00	-49.29				-49.29	-46.29	-27.00	-19.29
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	1G	5.07G	AV	1.91982G	3.00	-56.49				-56.49	-53.49	-41.20	-12.29
5190MHz	Pass	5.07G	5.15G	AV	5.13128G	3.00	-45.84				-45.84	-42.84	-41.20	-1.64
5190MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-59.33				-59.33	-56.33	-41.20	-15.13
5190MHz	Pass	5.35G	5.43G	AV	5.35624G	3.00	-58.42				-58.42	-55.42	-41.20	-14.22
5190MHz	Pass	5.43G	8G	AV	5.44189G	3.00	-63.31				-63.31	-60.31	-41.20	-19.11
5190MHz	Pass	1G	5.07G	PK	5.02574G	3.00	-47.72				-47.72	-44.72	-21.20	-23.52
5190MHz	Pass	5.07G	5.15G	PK	5.12712G	3.00	-29.98				-29.98	-26.98	-21.20	-5.78
5190MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-49.55				-49.55	-46.55	-21.20	-25.35
5190MHz	Pass	5.35G	5.43G	PK	5.36168G	3.00	-47.89				-47.89	-44.89	-21.20	-23.69
5190MHz	Pass	5.43G	8G	PK	5.563G	3.00	-52.19				-52.19	-49.19	-27.00	-22.19
5230MHz	Pass	1G	5.07G	AV	1.91982G	3.00	-56.93				-56.93	-53.93	-41.20	-12.73
5230MHz	Pass	5.07G	5.15G	AV	5.12744G	3.00	-54.44				-54.44	-51.44	-41.20	-10.24
5230MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-57.16				-57.16	-54.16	-41.20	-12.96
5230MHz	Pass	5.35G	5.43G	AV	5.35048G	3.00	-55.90				-55.90	-52.90	-41.20	-11.70
5230MHz	Pass	5.43G	8G	AV	5.43514G	3.00	-61.62				-61.62	-58.62	-41.20	-17.42
5230MHz	Pass	1G	5.07G	PK	5.04609G	3.00	-48.92				-48.92	-45.92	-21.20	-24.72
5230MHz	Pass	5.07G	5.15G	PK	5.12968G	3.00	-41.10				-41.10	-38.10	-21.20	-16.90
5230MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-44.05				-44.05	-41.05	-21.20	-19.85
5230MHz	Pass	5.35G	5.43G	PK	5.3628G	3.00	-41.23				-41.23	-38.23	-21.20	-17.03
5230MHz	Pass	5.43G	8G	PK	5.60765G	3.00	-51.56				-51.56	-48.56	-27.00	-21.56
5755MHz	Pass	1G	5.645G	AV	1.91971G	3.00	-56.59				-56.59	-53.59	-41.20	-12.39
5755MHz	Pass	5.93G	8G	AV	7.29439G	3.00	-71.91				-71.91	-68.91	-41.20	-27.71
5755MHz	Pass	1G	5.645G	PK	5.59042G	3.00	-48.11				-48.11	-45.11	-27.00	-18.11
5755MHz	Pass	5.645G	5.725G	PK	5.64676G	3.00	-43.94				-43.94	-40.94	-27.00	-13.94
5755MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-58.65				-58.65	-55.65	27.00	-82.65
5755MHz	Pass	5.85G	5.93G	PK	5.92392G	3.00	-45.93				-45.93	-42.93	-26.20	-16.73
5755MHz	Pass	5.93G	8G	PK	5.93983G	3.00	-48.61				-48.61	-45.61	-27.00	-18.61
5795MHz	Pass	1G	5.645G	AV	1.91971G	3.00	-56.94				-56.94	-53.94	-41.20	-12.74
5795MHz	Pass	5.93G	8G	AV	7.27265G	3.00	-71.78				-71.78	-68.78	-41.20	-27.58
5795MHz	Pass	1G	5.645G	PK	5.62236G	3.00	-48.49				-48.49	-45.49	-27.00	-18.49
5795MHz	Pass	5.645G	5.725G	PK	5.64676G	3.00	-48.68				-48.68	-45.68	-27.00	-18.68
5795MHz	Pass	5.725G	5.85G	PK	5.725G	3.00	-59.97				-59.97	-56.97	27.00	-83.97
5795MHz	Pass	5.85G	5.93G	PK	5.92968G	3.00	-48.07				-48.07	-45.07	-27.00	-18.07
5795MHz	Pass	5.93G	8G	PK	5.97114G	3.00	-47.70				-47.70	-44.70	-27.00	-17.70