



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)
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	1G	4.99G	AV	1.9197G	3.00	-56.42				-56.42	-53.42	-41.20	-12.22
5210MHz	Pass	4.99G	5.15G	AV	5.11416G	3.00	-58.86				-58.86	-55.86	-41.20	-14.66
5210MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-63.20				-63.20	-60.20	-41.20	-19.00
5210MHz	Pass	5.35G	5.51G	AV	5.37592G	3.00	-62.64				-62.64	-59.64	-41.20	-18.44
5210MHz	Pass	5.51G	8G	AV	7.31805G	3.00	-71.73				-71.73	-68.73	-41.20	-27.53
5210MHz	Pass	1G	4.99G	PK	1.2798G	3.00	-54.56				-54.56	-51.56	-27.00	-24.56
5210MHz	Pass	4.99G	5.15G	PK	5.11928G	3.00	-47.23				-47.23	-44.23	-21.20	-23.03
5210MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-54.67				-54.67	-51.67	-21.20	-30.47
5210MHz	Pass	5.35G	5.51G	PK	5.47864G	3.00	-54.26				-54.26	-51.26	-27.00	-24.26
5210MHz	Pass	5.51G	8G	PK	5.75962G	3.00	-50.91				-50.91	-47.91	-27.00	-20.91
5775MHz	Pass	1G	5.565G	AV	1.91985G	3.00	-56.96				-56.96	-53.96	-41.20	-12.76
5775MHz	Pass	6.01G	8G	AV	7.3229G	3.00	-71.70				-71.70	-68.70	-41.20	-27.50
5775MHz	Pass	1G	5.565G	PK	5.56329G	3.00	-47.32				-47.32	-44.32	-27.00	-17.32
5775MHz	Pass	5.565G	5.725G	PK	5.65012G	3.00	-32.58				-32.58	-29.58	-26.91	-2.67
5775MHz	Pass	5.725G	5.85G	PK	5.725G	3.00	-59.51				-59.51	-56.51	27.00	-83.51
5775MHz	Pass	5.85G	6.01G	PK	5.9268G	3.00	-38.47				-38.47	-35.47	-27.00	-8.47
5775MHz	Pass	6.01G	8G	PK	6.01124G	3.00	-48.39				-48.39	-45.39	-27.00	-18.39
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	5.11G	AV	5.01804G	3.00	-60.87	-57.74			-56.02	-53.02	-41.20	-11.82
5180MHz	Pass	5.11G	5.15G	AV	5.1152G	3.00	-63.17	-57.58			-56.52	-53.52	-41.20	-12.32
5180MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-62.17	-58.67			-57.07	-54.07	-41.20	-12.87
5180MHz	Pass	5.35G	5.39G	AV	5.3504G	3.00	-61.82	-57.24			-55.94	-52.94	-41.20	-11.74
5180MHz	Pass	5.39G	8G	AV	5.42067G	3.00	-64.59	-59.98			-58.69	-55.69	-41.20	-14.49
5180MHz	Pass	1G	5.11G	PK	5.03345G	3.00	-52.53	-47.30			-46.16	-43.16	-21.20	-21.96
5180MHz	Pass	5.11G	5.15G	PK	5.13184G	3.00	-49.50	-44.40			-43.23	-40.23	-21.20	-19.03
5180MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-52.33	-48.72			-47.15	-44.15	-21.20	-22.95
5180MHz	Pass	5.35G	5.39G	PK	5.35136G	3.00	-48.97	-46.92			-44.81	-41.81	-21.20	-20.61
5180MHz	Pass	5.39G	8G	PK	5.56161G	3.00	-54.77	-49.64			-48.48	-45.48	-27.00	-18.48
5200MHz	Pass	1G	5.11G	AV	5.03962G	3.00	-61.57	-56.84			-55.58	-52.58	-41.20	-11.38
5200MHz	Pass	5.11G	5.15G	AV	5.1132G	3.00	-63.30	-58.41			-57.19	-54.19	-41.20	-12.99
5200MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-60.56	-57.12			-55.50	-52.50	-41.20	-11.30
5200MHz	Pass	5.35G	5.39G	AV	5.36592G	3.00	-60.63	-56.85			-55.33	-52.33	-41.20	-11.13
5200MHz	Pass	5.39G	8G	AV	5.39131G	3.00	-64.24	-59.04			-57.89	-54.89	-41.20	-13.69
5200MHz	Pass	1G	5.11G	PK	5.04938G	3.00	-52.09	-46.82			-45.69	-42.69	-21.20	-21.49
5200MHz	Pass	5.11G	5.15G	PK	5.11832G	3.00	-52.37	-48.25			-46.83	-43.83	-21.20	-22.63
5200MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-52.05	-46.62			-45.53	-42.53	-21.20	-21.33
5200MHz	Pass	5.35G	5.39G	PK	5.36056G	3.00	-51.04	-45.91			-44.75	-41.75	-21.20	-20.55
5200MHz	Pass	5.39G	8G	PK	5.57727G	3.00	-52.66	-50.11			-48.19	-45.19	-27.00	-18.19
5240MHz	Pass	1G	5.11G	AV	5.08431G	3.00	-61.41	-56.81			-55.52	-52.52	-41.20	-11.32
5240MHz	Pass	5.11G	5.15G	AV	5.11032G	3.00	-61.21	-57.53			-55.98	-52.98	-41.20	-11.78
5240MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-62.52	-59.27			-57.59	-54.59	-41.20	-13.39
5240MHz	Pass	5.35G	5.39G	AV	5.38368G	3.00	-60.79	-56.57			-55.18	-52.18	-41.20	-10.98
5240MHz	Pass	5.39G	8G	AV	5.39914G	3.00	-62.48	-57.02			-55.93	-52.93	-41.20	-11.73
5240MHz	Pass	1G	5.11G	PK	5.07918G	3.00	-53.90	-47.09			-46.27	-43.27	-21.20	-22.07
5240MHz	Pass	5.11G	5.15G	PK	5.11088G	3.00	-52.42	-47.44			-46.24	-43.24	-21.20	-22.04
5240MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-53.93	-49.63			-48.26	-45.26	-21.20	-24.06
5240MHz	Pass	5.35G	5.39G	PK	5.37776G	3.00	-49.06	-46.57			-44.63	-41.63	-21.20	-20.43
5240MHz	Pass	5.39G	8G	PK	5.467G	3.00	-52.10	-50.69			-48.33	-45.33	-27.00	-18.33
5745MHz	Pass	1G	5.685G	AV	5.36701G	3.00	-62.98	-58.06			-56.85	-53.85	-41.20	-12.65
5745MHz	Pass	5.89G	8G	AV	7.29658G	3.00	-72.90	-71.91			-69.37	-66.37	-41.20	-25.17
5745MHz	Pass	1G	5.685G	PK	5.59657G	3.00	-50.94	-49.25			-47.00	-44.00	-27.00	-17.00
5745MHz	Pass	5.685G	5.725G	PK	5.69364G	3.00	-51.57	-39.74			-39.46	-36.46	5.29	-41.75
5745MHz	Pass	5.725G	5.85G	PK	5.725G	3.00	-59.58	-60.20			-56.87	-53.87	27.00	-80.87
5745MHz	Pass	5.85G	5.89G	PK	5.88952G	3.00	-49.35	-47.88			-45.54	-42.54	-0.74	-41.80
5745MHz	Pass	5.89G	8G	PK	5.93457G	3.00	-50.66	-49.26			-46.89	-43.89	-27.00	-16.89
5785MHz	Pass	1G	5.685G	AV	5.39453G	3.00	-63.13	-57.78			-56.67	-53.67	-41.20	-12.47
5785MHz	Pass	5.89G	8G	AV	7.25834G	3.00	-72.29	-72.40			-69.33	-66.33	-41.20	-25.13
5785MHz	Pass	1G	5.685G	PK	5.63112G	3.00	-51.84	-48.20			-46.64	-43.64	-27.00	-16.64
5785MHz	Pass	5.685G	5.725G	PK	5.68548G	3.00	-53.31	-50.22			-48.49	-45.49	-0.74	-44.75
5785MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-57.96	-59.82			-55.78	-52.78	27.00	-79.78
5785MHz	Pass	5.85G	5.89G	PK	5.88912G	3.00	-51.64	-48.43			-46.73	-43.73	-0.45	-43.28
5785MHz	Pass	5.89G	8G	PK	5.93721G	3.00	-52.29	-45.89			-44.99	-41.99	-27.00	-14.99
5825MHz	Pass	1G	5.685G	AV	5.43435G	3.00	-63.61	-58.24			-57.13	-54.13	-41.20	-12.93
5825MHz	Pass	5.89G	8G	AV	7.34432G	3.00	-72.10	-72.56			-69.31	-66.31	-41.20	-25.11
5825MHz	Pass	1G	5.685G	PK	5.63229G	3.00	-51.83	-50.09			-47.86	-44.86	-27.00	-17.86
5825MHz	Pass	5.685G	5.725G	PK	5.68524G	3.00	-52.96	-48.73			-47.34	-44.34	-0.92	-43.42
5825MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-58.06	-58.94			-55.47	-52.47	27.00	-79.47
5825MHz	Pass	5.85G	5.89G	PK	5.88912G	3.00	-51.03	-47.84			-46.14	-43.14	-0.45	-42.69
5825MHz	Pass	5.89G	8G	PK	5.96596G	3.00	-49.34	-47.38			-45.24	-42.24	-27.00	-15.24



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Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	5.11G	AV	5.02729G	3.00	-61.56	-57.38			-55.98	-52.98	-41.20	-11.78
5180MHz	Pass	5.11G	5.15G	AV	5.13288G	3.00	-60.88	-55.72			-54.56	-51.56	-41.20	-10.36
5180MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-62.23	-58.78			-57.16	-54.16	-41.20	-12.96
5180MHz	Pass	5.35G	5.39G	AV	5.35072G	3.00	-61.60	-57.79			-56.28	-53.28	-41.20	-12.08
5180MHz	Pass	5.39G	8G	AV	5.4024G	3.00	-63.35	-60.63			-58.77	-55.77	-41.20	-14.57
5180MHz	Pass	1G	5.11G	PK	5.03088G	3.00	-52.95	-47.56			-46.46	-43.46	-21.20	-22.26
5180MHz	Pass	5.11G	5.15G	PK	5.13208G	3.00	-43.56	-43.76			-40.65	-37.65	-21.20	-16.45
5180MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-52.09	-47.55			-46.24	-43.24	-21.20	-22.04
5180MHz	Pass	5.35G	5.39G	PK	5.35568G	3.00	-52.64	-46.57			-45.61	-42.61	-21.20	-21.41
5180MHz	Pass	5.39G	8G	PK	5.46406G	3.00	-55.12	-50.05			-48.87	-45.87	-27.00	-18.87
5200MHz	Pass	1G	5.11G	AV	5.03602G	3.00	-60.77	-56.92			-55.42	-52.42	-41.20	-11.22
5200MHz	Pass	5.11G	5.15G	AV	5.12136G	3.00	-61.82	-58.26			-56.67	-53.67	-41.20	-12.47
5200MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-60.98	-57.73			-56.05	-53.05	-41.20	-11.85
5200MHz	Pass	5.35G	5.39G	AV	5.35928G	3.00	-60.55	-56.56			-55.10	-52.10	-41.20	-10.90
5200MHz	Pass	5.39G	8G	AV	5.39228G	3.00	-63.55	-58.64			-57.42	-54.42	-41.20	-13.22
5200MHz	Pass	1G	5.11G	PK	5.03756G	3.00	-53.57	-47.05			-46.18	-43.18	-21.20	-21.98
5200MHz	Pass	5.11G	5.15G	PK	5.11904G	3.00	-47.20	-48.02			-44.58	-41.58	-21.20	-20.38
5200MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-51.35	-48.20			-46.49	-43.49	-21.20	-22.29
5200MHz	Pass	5.35G	5.39G	PK	5.35056G	3.00	-52.01	-44.91			-44.14	-41.14	-21.20	-19.94
5200MHz	Pass	5.39G	8G	PK	5.58999G	3.00	-54.99	-49.54			-48.45	-45.45	-27.00	-18.45
5240MHz	Pass	1G	5.11G	AV	5.08894G	3.00	-62.09	-56.97			-55.81	-52.81	-41.20	-11.61
5240MHz	Pass	5.11G	5.15G	AV	5.11096G	3.00	-62.26	-57.83			-56.49	-53.49	-41.20	-12.29
5240MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-62.73	-58.73			-57.27	-54.27	-41.20	-13.07
5240MHz	Pass	5.35G	5.39G	AV	5.38192G	3.00	-61.04	-56.74			-55.37	-52.37	-41.20	-11.17
5240MHz	Pass	5.39G	8G	AV	5.39065G	3.00	-61.20	-57.16			-55.72	-52.72	-41.20	-11.52
5240MHz	Pass	1G	5.11G	PK	5.0653G	3.00	-55.65	-46.85			-46.31	-43.31	-21.20	-22.11
5240MHz	Pass	5.11G	5.15G	PK	5.11592G	3.00	-52.48	-46.84			-45.79	-42.79	-21.20	-21.59
5240MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-52.83	-49.64			-47.94	-44.94	-21.20	-23.74
5240MHz	Pass	5.35G	5.39G	PK	5.38016G	3.00	-50.50	-46.42			-44.99	-41.99	-21.20	-20.79
5240MHz	Pass	5.39G	8G	PK	5.54171G	3.00	-54.43	-49.29			-48.13	-45.13	-27.00	-18.13
5745MHz	Pass	1G	5.685G	AV	5.35529G	3.00	-63.01	-57.92			-56.75	-53.75	-41.20	-12.55
5745MHz	Pass	5.89G	8G	AV	7.30713G	3.00	-72.62	-72.09			-69.34	-66.34	-41.20	-25.14
5745MHz	Pass	1G	5.685G	PK	5.59071G	3.00	-49.69	-49.52			-46.59	-43.59	-27.00	-16.59
5745MHz	Pass	5.685G	5.725G	PK	5.68516G	3.00	-51.47	-38.43			-38.22	-35.22	-0.98	-34.24
5745MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-59.33	-59.89			-56.59	-53.59	27.00	-80.59
5745MHz	Pass	5.85G	5.89G	PK	5.8896G	3.00	-51.01	-45.72			-44.59	-41.59	-0.80	-40.79
5745MHz	Pass	5.89G	8G	PK	6.12184G	3.00	-53.40	-46.83			-45.97	-42.97	-27.00	-15.97
5785MHz	Pass	1G	5.685G	AV	5.3957G	3.00	-63.49	-57.64			-56.64	-53.64	-41.20	-12.44
5785MHz	Pass	5.89G	8G	AV	7.27574G	3.00	-72.76	-72.05			-69.38	-66.38	-41.20	-25.18
5785MHz	Pass	1G	5.685G	PK	5.62292G	3.00	-53.80	-48.43			-47.32	-44.32	-27.00	-17.32
5785MHz	Pass	5.685G	5.725G	PK	5.6854G	3.00	-52.73	-50.27			-48.32	-45.32	-0.80	-44.52
5785MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-58.83	-59.60			-56.19	-53.19	27.00	-80.19
5785MHz	Pass	5.85G	5.89G	PK	5.8896G	3.00	-50.97	-50.36			-47.64	-44.64	-0.80	-43.84
5785MHz	Pass	5.89G	8G	PK	5.93062G	3.00	-50.98	-46.89			-45.46	-42.46	-27.00	-15.46
5825MHz	Pass	1G	5.685G	AV	1.92002G	3.00	-57.12	-75.24			-57.05	-54.05	-41.20	-12.85
5825MHz	Pass	5.89G	8G	AV	7.32032G	3.00	-72.53	-71.90			-69.19	-66.19	-41.20	-24.99
5825MHz	Pass	1G	5.685G	PK	5.62585G	3.00	-53.16	-48.15			-46.96	-43.96	-27.00	-16.96
5825MHz	Pass	5.685G	5.725G	PK	5.68508G	3.00	-51.25	-50.03			-47.59	-44.59	-1.04	-43.55
5825MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-59.91	-58.22			-55.97	-52.97	27.00	-79.97
5825MHz	Pass	5.85G	5.89G	PK	5.89G	3.00	-51.64	-42.15			-41.69	-38.69	-1.10	-37.59
5825MHz	Pass	5.89G	8G	PK	5.98179G	3.00	-52.98	-45.38			-44.68	-41.68	-27.00	-14.68
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	1G	5.07G	AV	5.03998G	3.00	-60.55	-56.43			-55.01	-52.01	-41.20	-10.81
5190MHz	Pass	5.07G	5.15G	AV	5.12776G	3.00	-54.32	-50.87			-49.25	-46.25	-41.20	-5.05
5190MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-59.79	-57.43			-55.44	-52.44	-41.20	-11.24
5190MHz	Pass	5.35G	5.43G	AV	5.35752G	3.00	-60.33	-55.96			-54.61	-51.61	-41.20	-10.41
5190MHz	Pass	5.43G	8G	AV	5.44414G	3.00	-64.31	-60.77			-59.18	-56.18	-41.20	-14.98
5190MHz	Pass	1G	5.07G	PK	5.0293G	3.00	-52.48	-47.36			-46.20	-43.20	-21.20	-22.00
5190MHz	Pass	5.07G	5.15G	PK	5.13432G	3.00	-37.89	-34.31			-32.73	-29.73	-21.20	-8.53
5190MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-49.45	-46.60			-44.78	-41.78	-21.20	-20.58
5190MHz	Pass	5.35G	5.43G	PK	5.37224G	3.00	-51.61	-45.30			-44.39	-41.39	-21.20	-20.19
5190MHz	Pass	5.43G	8G	PK	6.10848G	3.00	-54.84	-50.95			-49.46	-46.46	-27.00	-19.46
5230MHz	Pass	1G	5.07G	AV	5.05728G	3.00	-58.71	-55.55			-53.84	-50.84	-41.20	-9.64
5230MHz	Pass	5.07G	5.15G	AV	5.12744G	3.00	-54.65	-52.25			-50.28	-47.28	-41.20	-6.08
5230MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-56.21	-53.15			-51.41	-48.41	-41.20	-7.21
5230MHz	Pass	5.35G	5.43G	AV	5.35016G	3.00	-55.85	-52.48			-50.84	-47.84	-41.20	-6.64
5230MHz	Pass	5.43G	8G	AV	5.43257G	3.00	-61.55	-58.12			-56.49	-53.49	-41.20	-12.29
5230MHz	Pass	1G	5.07G	PK	5.06339G	3.00	-49.86	-45.32			-44.01	-41.01	-21.20	-19.81
5230MHz	Pass	5.07G	5.15G	PK	5.12632G	3.00	-42.88	-35.72			-34.96	-31.96	-21.20	-10.76



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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)
5230MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-43.97	-41.53			-39.57	-36.57	-21.20	-15.37
5230MHz	Pass	5.35G	5.43G	PK	5.35112G	3.00	-44.15	-36.16			-35.52	-32.52	-21.20	-11.32
5230MHz	Pass	5.43G	8G	PK	5.61536G	3.00	-54.20	-48.86			-47.75	-44.75	-27.00	-17.75
5755MHz	Pass	1G	5.645G	AV	1.91971G	3.00	-56.61	-75.55			-56.55	-53.55	-41.20	-12.35
5755MHz	Pass	5.93G	8G	AV	7.31923G	3.00	-72.81	-71.56			-69.13	-66.13	-41.20	-24.93
5755MHz	Pass	1G	5.645G	PK	5.63165G	3.00	-51.85	-41.84			-41.43	-38.43	-27.00	-11.43
5755MHz	Pass	5.645G	5.725G	PK	5.6482G	3.00	-43.77	-38.29			-37.21	-34.21	-27.00	-7.21
5755MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-59.68	-59.00			-56.32	-53.32	27.00	-80.32
5755MHz	Pass	5.85G	5.93G	PK	5.92744G	3.00	-47.05	-43.93			-42.21	-39.21	-27.00	-12.21
5755MHz	Pass	5.93G	8G	PK	5.94578G	3.00	-49.22	-46.04			-44.33	-41.33	-27.00	-14.33
5795MHz	Pass	1G	5.645G	AV	5.40927G	3.00	-63.47	-59.11			-57.75	-54.75	-41.20	-13.55
5795MHz	Pass	5.93G	8G	AV	7.30267G	3.00	-72.35	-71.89			-69.10	-66.10	-41.20	-24.90
5795MHz	Pass	1G	5.645G	PK	5.62932G	3.00	-50.30	-45.96			-44.60	-41.60	-27.00	-14.60
5795MHz	Pass	5.645G	5.725G	PK	5.6514G	3.00	-50.00	-43.36			-42.51	-39.51	-25.96	-13.55
5795MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-58.87	-60.31			-56.52	-53.52	27.00	-80.52
5795MHz	Pass	5.85G	5.93G	PK	5.92728G	3.00	-50.85	-41.13			-40.69	-37.69	-27.00	-10.69
5795MHz	Pass	5.93G	8G	PK	5.9626G	3.00	-50.37	-44.11			-43.19	-40.19	-27.00	-13.19
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	1G	4.99G	AV	4.989G	3.00	-63.81	-59.63			-58.23	-55.23	-41.20	-14.03
5210MHz	Pass	4.99G	5.15G	AV	5.11448G	3.00	-50.98	-46.46			-45.15	-42.15	-41.20	-0.95
5210MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-58.69	-55.67			-53.91	-50.91	-41.20	-9.71
5210MHz	Pass	5.35G	5.51G	AV	5.35128G	3.00	-58.27	-55.07			-53.37	-50.37	-41.20	-9.17
5210MHz	Pass	5.51G	8G	AV	7.30778G	3.00	-72.62	-71.96			-69.27	-66.27	-41.20	-25.07
5210MHz	Pass	1G	4.99G	PK	1.2798G	3.00	-54.21	-68.39			-54.05	-51.05	-27.00	-24.05
5210MHz	Pass	4.99G	5.15G	PK	5.12376G	3.00	-38.08	-33.41			-32.14	-29.14	-21.20	-7.94
5210MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-45.63	-44.12			-41.80	-38.80	-21.20	-17.60
5210MHz	Pass	5.35G	5.51G	PK	5.35288G	3.00	-46.16	-42.83			-41.17	-38.17	-21.20	-16.97
5210MHz	Pass	5.51G	8G	PK	5.75993G	3.00	-52.42	-50.17			-48.14	-45.14	-27.00	-18.14
5775MHz	Pass	1G	5.565G	AV	1.91985G	3.00	-56.38	-75.27			-56.32	-53.32	-41.20	-12.12
5775MHz	Pass	6.01G	8G	AV	7.25027G	3.00	-71.92	-72.85			-69.35	-66.35	-41.20	-25.15
5775MHz	Pass	1G	5.565G	PK	5.18496G	3.00	-59.78	-50.87			-50.34	-47.34	-27.00	-20.34
5775MHz	Pass	5.565G	5.725G	PK	5.64052G	3.00	-51.94	-50.03			-47.87	-44.87	-27.00	-17.87
5775MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-60.13	-59.66			-56.88	-53.88	27.00	-80.88
5775MHz	Pass	5.85G	6.01G	PK	5.93288G	3.00	-54.27	-48.05			-47.12	-44.12	-27.00	-17.12
5775MHz	Pass	6.01G	8G	PK	6.11647G	3.00	-54.00	-50.33			-48.78	-45.78	-27.00	-18.78
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	5.11G	AV	5.02626G	3.00	-61.56	-58.08	-58.17	-58.50	-52.85	-49.85	-41.20	-8.65
5180MHz	Pass	5.11G	5.15G	AV	5.1104G	3.00	-63.05	-60.17	-58.79	-60.41	-54.33	-51.33	-41.20	-10.13
5180MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-62.40	-59.33	-59.45	-57.83	-53.44	-50.44	-41.20	-9.24
5180MHz	Pass	5.35G	5.39G	AV	5.35008G	3.00	-61.91	-59.12	-57.91	-57.74	-52.87	-49.87	-41.20	-8.67
5180MHz	Pass	5.39G	8G	AV	5.39163G	3.00	-64.84	-62.39	-60.37	-60.78	-55.75	-52.75	-41.20	-11.55
5180MHz	Pass	1G	5.11G	PK	5.03808G	3.00	-54.87	-49.07	-47.34	-49.85	-43.52	-40.52	-21.20	-19.32
5180MHz	Pass	5.11G	5.15G	PK	5.1272G	3.00	-53.35	-50.32	-48.80	-49.11	-44.05	-41.05	-21.20	-19.85
5180MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-51.06	-50.02	-49.31	-48.27	-43.53	-40.53	-21.20	-19.33
5180MHz	Pass	5.35G	5.39G	PK	5.3528G	3.00	-52.21	-48.55	-49.05	-47.00	-42.81	-39.81	-21.20	-18.61
5180MHz	Pass	5.39G	8G	PK	5.56193G	3.00	-55.55	-49.89	-51.40	-53.32	-46.03	-43.03	-27.00	-16.03
5200MHz	Pass	1G	5.11G	AV	5.03808G	3.00	-61.57	-58.42	-56.37	-56.86	-51.87	-48.87	-41.20	-7.67
5200MHz	Pass	5.11G	5.15G	AV	5.1104G	3.00	-63.40	-59.35	-58.88	-59.28	-53.88	-50.88	-41.20	-9.68
5200MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-61.52	-58.40	-58.57	-57.42	-52.72	-49.72	-41.20	-8.52
5200MHz	Pass	5.35G	5.39G	AV	5.35864G	3.00	-61.18	-57.28	-57.06	-56.42	-51.62	-48.62	-41.20	-7.42
5200MHz	Pass	5.39G	8G	AV	5.39259G	3.00	-63.40	-59.87	-59.06	-59.79	-54.23	-51.23	-41.20	-10.03
5200MHz	Pass	1G	5.11G	PK	5.03448G	3.00	-51.28	-48.76	-46.89	-49.26	-42.75	-39.75	-21.20	-18.55
5200MHz	Pass	5.11G	5.15G	PK	5.11528G	3.00	-53.17	-48.99	-48.51	-49.05	-43.57	-40.57	-21.20	-19.37
5200MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-50.59	-48.87	-48.30	-45.40	-41.85	-38.85	-21.20	-17.65
5200MHz	Pass	5.35G	5.39G	PK	5.36788G	3.00	-50.83	-46.75	-48.55	-44.53	-41.05	-38.05	-21.20	-16.85
5200MHz	Pass	5.39G	8G	PK	5.57629G	3.00	-54.28	-51.37	-49.47	-50.35	-45.01	-42.01	-27.00	-15.01
5240MHz	Pass	1G	5.11G	AV	5.07969G	3.00	-62.22	-58.10	-57.85	-57.08	-52.40	-49.40	-41.20	-8.20
5240MHz	Pass	5.11G	5.15G	AV	5.11056G	3.00	-63.16	-58.62	-59.07	-58.65	-53.51	-50.51	-41.20	-9.31
5240MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-62.47	-59.45	-59.60	-59.74	-54.13	-51.13	-41.20	-9.93
5240MHz	Pass	5.35G	5.39G	AV	5.38696G	3.00	-62.16	-57.62	-58.14	-56.27	-52.05	-49.05	-41.20	-7.85
5240MHz	Pass	5.39G	8G	AV	5.39163G	3.00	-62.13	-58.76	-57.25	-57.37	-52.47	-49.47	-41.20	-8.27
5240MHz	Pass	1G	5.11G	PK	5.08174G	3.00	-53.22	-49.01	-49.62	-46.87	-43.12	-40.12	-21.20	-18.92
5240MHz	Pass	5.11G	5.15G	PK	5.11024G	3.00	-52.08	-47.72	-47.41	-49.39	-42.78	-39.78	-21.20	-18.58
5240MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-53.65	-49.86	-49.87	-50.13	-44.60	-41.60	-21.20	-20.40
5240MHz	Pass	5.35G	5.39G	PK	5.38544G	3.00	-50.58	-47.79	-46.43	-44.79	-40.90	-37.90	-21.20	-16.70
5240MHz	Pass	5.39G	8G	PK	5.62294G	3.00	-55.64	-49.42	-51.35	-50.71	-45.23	-42.23	-27.00	-15.23
5745MHz	Pass	1G	5.685G	AV	5.36876G	3.00	-63.80	-58.51	-57.18	-59.08	-53.03	-50.03	-41.20	-8.83
5745MHz	Pass	5.89G	8G	AV	7.3277G	3.00	-72.06	-72.49	-72.71	-73.15	-66.56	-63.56	-41.20	-22.36
5745MHz	Pass	1G	5.685G	PK	5.5831G	3.00	-52.67	-47.63	-50.60	-47.21	-42.98	-39.98	-27.00	-12.98
5745MHz	Pass	5.685G	5.725G	PK	5.68516G	3.00	-51.85	-49.00	-46.93	-48.33	-42.67	-39.67	-0.98	-38.69



CSE_Pine R2_Antenna set 3 (Harmonic 1GHz ~ 8GHz)_P to M Appendix E.11

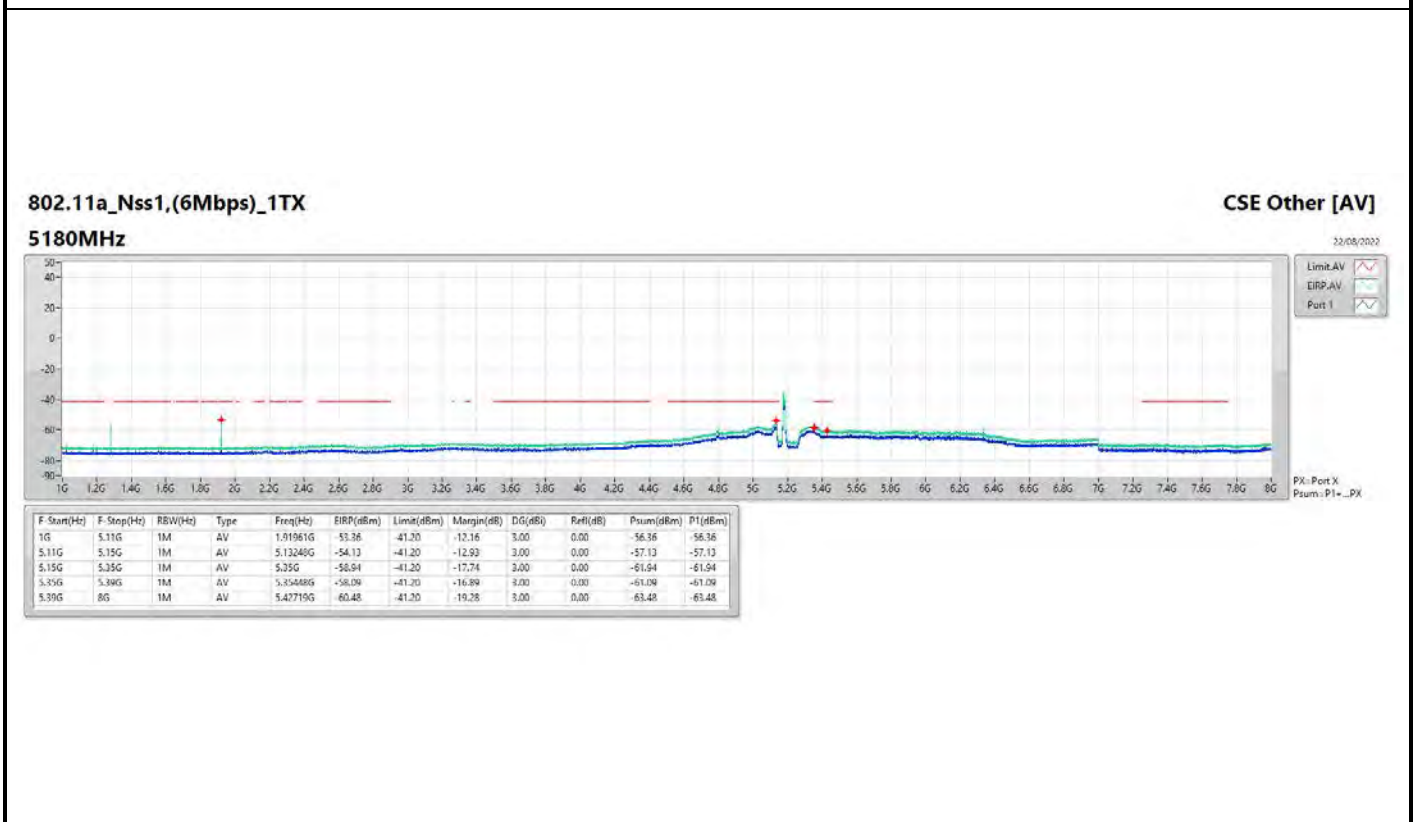
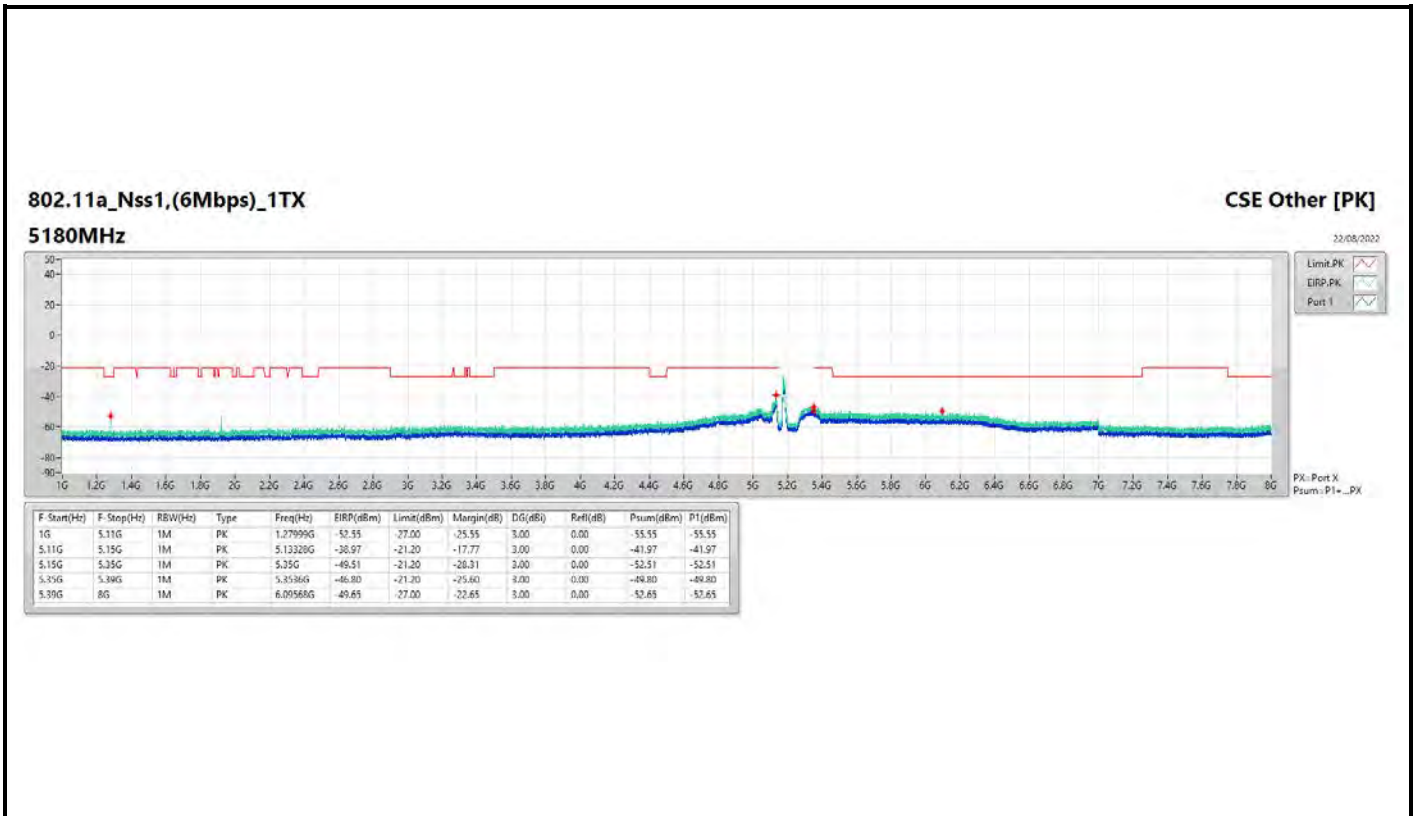
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5745MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-60.53	-60.15	-59.28	-57.99	-53.35	-50.35	27.00	-77.35
5745MHz	Pass	5.85G	5.89G	PK	5.88968G	3.00	-51.19	-48.21	-46.48	-48.63	-42.30	-39.30	-0.86	-38.44
5745MHz	Pass	5.89G	8G	PK	5.92956G	3.00	-53.25	-49.62	-50.23	-47.41	-43.64	-40.64	-27.00	-13.64
5785MHz	Pass	1G	5.685G	AV	5.408G	3.00	-62.88	-58.75	-58.60	-59.19	-53.53	-50.53	-41.20	-9.33
5785MHz	Pass	5.89G	8G	AV	7.29473G	3.00	-73.04	-72.34	-72.42	-73.08	-66.69	-63.69	-41.20	-22.49
5785MHz	Pass	1G	5.685G	PK	5.61941G	3.00	-54.10	-46.09	-50.45	-50.02	-43.24	-40.24	-27.00	-13.24
5785MHz	Pass	5.685G	5.725G	PK	5.685G	3.00	-53.50	-50.55	-50.74	-50.46	-45.13	-42.13	-1.10	-41.03
5785MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-60.44	-59.07	-59.91	-59.71	-53.73	-50.73	27.00	-77.73
5785MHz	Pass	5.85G	5.89G	PK	5.89G	3.00	-52.15	-50.55	-48.92	-50.03	-44.24	-41.24	-1.10	-40.14
5785MHz	Pass	5.89G	8G	PK	5.94275G	3.00	-50.73	-47.59	-48.80	-46.87	-42.25	-39.25	-27.00	-12.25
5825MHz	Pass	1G	5.685G	AV	5.43435G	3.00	-63.45	-58.87	-58.28	-58.71	-53.39	-50.39	-41.20	-9.19
5825MHz	Pass	5.89G	8G	AV	7.28893G	3.00	-73.67	-72.43	-73.24	-71.92	-66.74	-63.74	-41.20	-22.54
5825MHz	Pass	1G	5.685G	PK	5.63815G	3.00	-54.01	-49.94	-50.15	-48.43	-44.19	-41.19	-27.00	-14.19
5825MHz	Pass	5.685G	5.725G	PK	5.68508G	3.00	-52.69	-49.94	-49.59	-49.51	-44.24	-41.24	-1.04	-40.20
5825MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-59.31	-60.23	-59.69	-58.47	-53.36	-50.36	27.00	-77.36
5825MHz	Pass	5.85G	5.89G	PK	5.89G	3.00	-53.09	-48.06	-49.44	-49.46	-43.64	-40.64	-1.10	-39.54
5825MHz	Pass	5.89G	8G	PK	5.97229G	3.00	-50.72	-48.83	-45.87	-47.08	-41.74	-38.74	-27.00	-11.74
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	5.11G	AV	5.02266G	3.00	-62.82	-58.76	-58.77	-57.68	-53.11	-50.11	-41.20	-8.91
5180MHz	Pass	5.11G	5.15G	AV	5.12952G	3.00	-63.94	-60.40	-59.83	-58.59	-54.27	-51.27	-41.20	-10.07
5180MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-62.16	-59.81	-59.40	-57.96	-53.56	-50.56	-41.20	-9.36
5180MHz	Pass	5.35G	5.39G	AV	5.352G	3.00	-62.59	-59.10	-58.67	-57.38	-53.04	-50.04	-41.20	-8.84
5180MHz	Pass	5.39G	8G	AV	5.39228G	3.00	-64.74	-61.51	-61.61	-61.81	-56.21	-53.21	-41.20	-12.01
5180MHz	Pass	1G	5.11G	PK	5.02626G	3.00	-53.25	-49.20	-48.44	-49.36	-43.70	-40.70	-21.20	-19.50
5180MHz	Pass	5.11G	5.15G	PK	5.13024G	3.00	-50.91	-48.94	-47.87	-48.84	-42.99	-39.99	-21.20	-18.79
5180MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-52.43	-48.99	-47.91	-48.10	-43.01	-40.01	-21.20	-18.81
5180MHz	Pass	5.35G	5.39G	PK	5.35488G	3.00	-52.30	-49.03	-47.15	-47.67	-42.61	-39.61	-21.20	-18.41
5180MHz	Pass	5.39G	8G	PK	5.35639G	3.00	-55.64	-52.50	-50.86	-52.04	-46.42	-43.42	-27.00	-16.42
5200MHz	Pass	1G	5.11G	AV	5.04424G	3.00	-61.48	-57.71	-57.52	-57.13	-52.14	-49.14	-41.20	-7.94
5200MHz	Pass	5.11G	5.15G	AV	5.11016G	3.00	-62.66	-59.38	-58.80	-59.69	-53.89	-50.89	-41.20	-9.69
5200MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-61.18	-58.38	-58.22	-57.35	-52.55	-49.55	-41.20	-8.35
5200MHz	Pass	5.35G	5.39G	AV	5.36608G	3.00	-61.21	-57.41	-57.61	-55.77	-51.58	-48.58	-41.20	-7.38
5200MHz	Pass	5.39G	8G	AV	5.39163G	3.00	-63.92	-59.76	-60.00	-59.20	-54.36	-51.36	-41.20	-10.16
5200MHz	Pass	1G	5.11G	PK	5.03498G	3.00	-55.26	-48.04	-47.80	-46.94	-42.56	-39.56	-21.20	-18.36
5200MHz	Pass	5.11G	5.15G	PK	5.11208G	3.00	-53.55	-49.39	-48.90	-49.13	-43.87	-40.87	-21.20	-19.67
5200MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-52.47	-48.54	-48.38	-47.36	-42.79	-39.79	-21.20	-18.59
5200MHz	Pass	5.35G	5.39G	PK	5.35192G	3.00	-51.00	-48.73	-47.04	-44.26	-41.05	-38.05	-21.20	-16.85
5200MHz	Pass	5.39G	8G	PK	5.38608G	3.00	-55.12	-50.49	-48.98	-50.84	-44.83	-41.83	-27.00	-14.83
5240MHz	Pass	1G	5.11G	AV	5.07609G	3.00	-62.79	-58.34	-58.28	-56.37	-52.38	-49.38	-41.20	-8.18
5240MHz	Pass	5.11G	5.15G	AV	5.11008G	3.00	-62.41	-59.04	-58.76	-59.07	-53.57	-50.57	-41.20	-9.37
5240MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-62.07	-58.96	-58.25	-59.19	-53.38	-50.38	-41.20	-9.18
5240MHz	Pass	5.35G	5.39G	AV	5.3876G	3.00	-61.18	-57.22	-57.33	-57.80	-52.10	-49.10	-41.20	-7.90
5240MHz	Pass	5.39G	8G	AV	5.39522G	3.00	-62.40	-58.45	-58.84	-56.48	-52.55	-49.55	-41.20	-8.35
5240MHz	Pass	1G	5.11G	PK	5.08483G	3.00	-54.61	-51.63	-47.87	-47.87	-43.67	-40.67	-21.20	-19.47
5240MHz	Pass	5.11G	5.15G	PK	5.11272G	3.00	-54.31	-46.85	-48.29	-48.76	-42.80	-39.80	-21.20	-18.60
5240MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-53.12	-49.29	-49.51	-49.85	-44.18	-41.18	-21.20	-19.98
5240MHz	Pass	5.35G	5.39G	PK	5.38752G	3.00	-51.46	-47.81	-47.78	-45.83	-41.77	-38.77	-21.20	-17.57
5240MHz	Pass	5.39G	8G	PK	5.6324G	3.00	-54.79	-50.83	-49.09	-49.82	-44.64	-41.64	-27.00	-14.64
5745MHz	Pass	1G	5.685G	AV	5.36818G	3.00	-63.52	-57.70	-58.28	-58.65	-53.02	-50.02	-41.20	-8.82
5745MHz	Pass	5.89G	8G	AV	7.28761G	3.00	-72.13	-73.10	-73.01	-72.22	-66.57	-63.57	-41.20	-22.37
5745MHz	Pass	1G	5.685G	PK	5.55968G	3.00	-53.75	-50.16	-46.65	-50.26	-43.48	-40.48	-27.00	-13.48
5745MHz	Pass	5.685G	5.725G	PK	5.68764G	3.00	-47.01	-36.58	-39.97	-39.34	-33.40	-30.40	0.85	-31.25
5745MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-60.16	-60.06	-58.58	-58.49	-53.23	-50.23	27.00	-77.23
5745MHz	Pass	5.85G	5.89G	PK	5.88992G	3.00	-51.37	-48.88	-47.66	-48.41	-42.86	-39.86	-1.04	-38.82
5745MHz	Pass	5.89G	8G	PK	5.93484G	3.00	-52.63	-50.00	-49.91	-47.75	-43.72	-40.72	-27.00	-13.72
5785MHz	Pass	1G	5.685G	AV	5.39394G	3.00	-63.44	-58.78	-57.98	-59.38	-53.45	-50.45	-41.20	-9.25
5785MHz	Pass	5.89G	8G	AV	7.30106G	3.00	-72.16	-72.37	-72.52	-72.40	-66.34	-63.34	-41.20	-22.14
5785MHz	Pass	1G	5.685G	PK	5.62644G	3.00	-54.77	-49.25	-50.65	-45.43	-42.80	-39.80	-27.00	-12.80
5785MHz	Pass	5.685G	5.725G	PK	5.685G	3.00	-54.68	-50.58	-50.20	-49.48	-44.82	-41.82	-1.10	-40.72
5785MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-59.64	-57.90	-59.52	-59.59	-53.08	-50.08	27.00	-77.08
5785MHz	Pass	5.85G	5.89G	PK	5.88952G	3.00	-53.29	-49.09	-48.75	-49.66	-43.85	-40.85	-0.74	-40.11
5785MHz	Pass	5.89G	8G	PK	5.95251G	3.00	-51.11	-48.67	-47.81	-46.18	-42.08	-39.08	-27.00	-12.08
5825MHz	Pass	1G	5.685G	AV	5.4326G	3.00	-63.59	-58.92	-58.49	-58.30	-53.36	-50.36	-41.20	-9.16
5825MHz	Pass	5.89G	8G	AV	7.29737G	3.00	-72.41	-73.17	-72.16	-72.55	-66.54	-63.54	-41.20	-22.34
5825MHz	Pass	1G	5.685G	PK	5.64869G	3.00	-54.08	-49.44	-48.85	-48.39	-43.69	-40.69	-27.00	-13.69
5825MHz	Pass	5.685G	5.725G	PK	5.685G	3.00	-52.76	-49.61	-48.95	-49.95	-44.08	-41.08	-1.10	-39.98
5825MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-59.93	-59.48	-59.57	-59.03	-53.47	-50.47	27.00	-77.47
5825MHz	Pass	5.85G	5.89G	PK	5.888G	3.00	-51.96	-47.78	-48.84	-42.92	-36.86	-33.86	0.38	-34.24
5825MHz	Pass	5.89G	8G	PK	5.98838G	3.00	-52.51	-46.05	-48.96	-46.89	-41.96	-38.96	-27.00	-11.96
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-

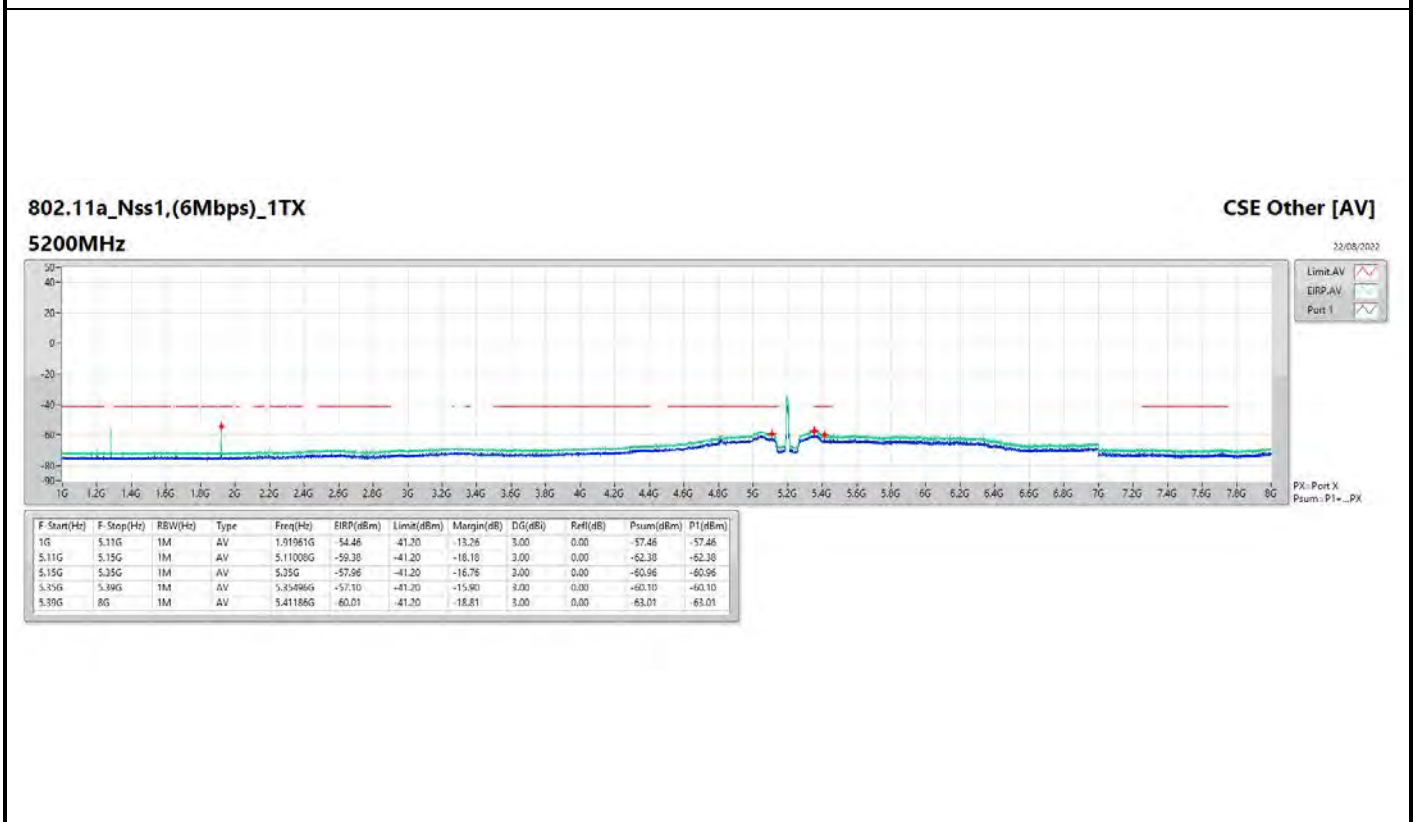
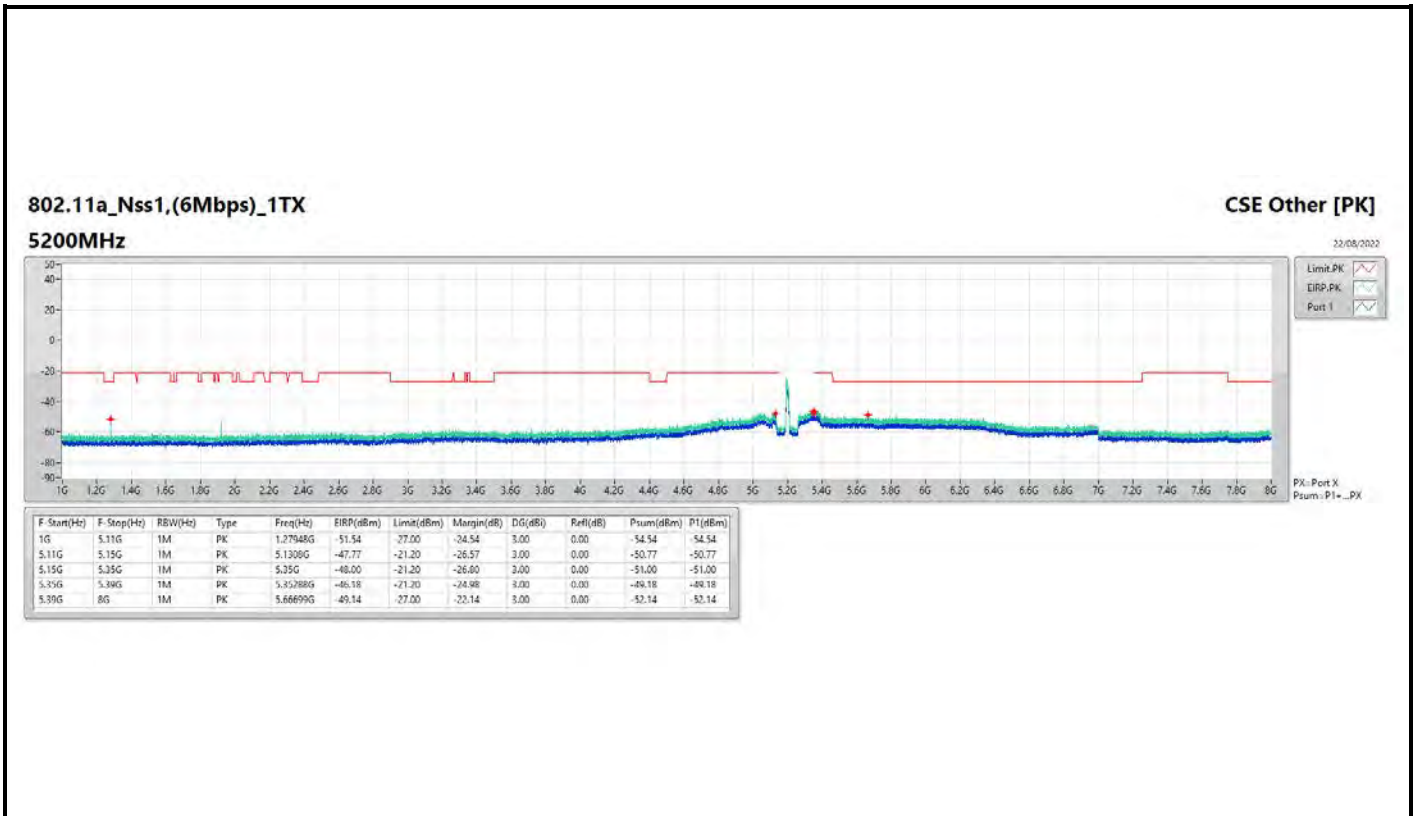


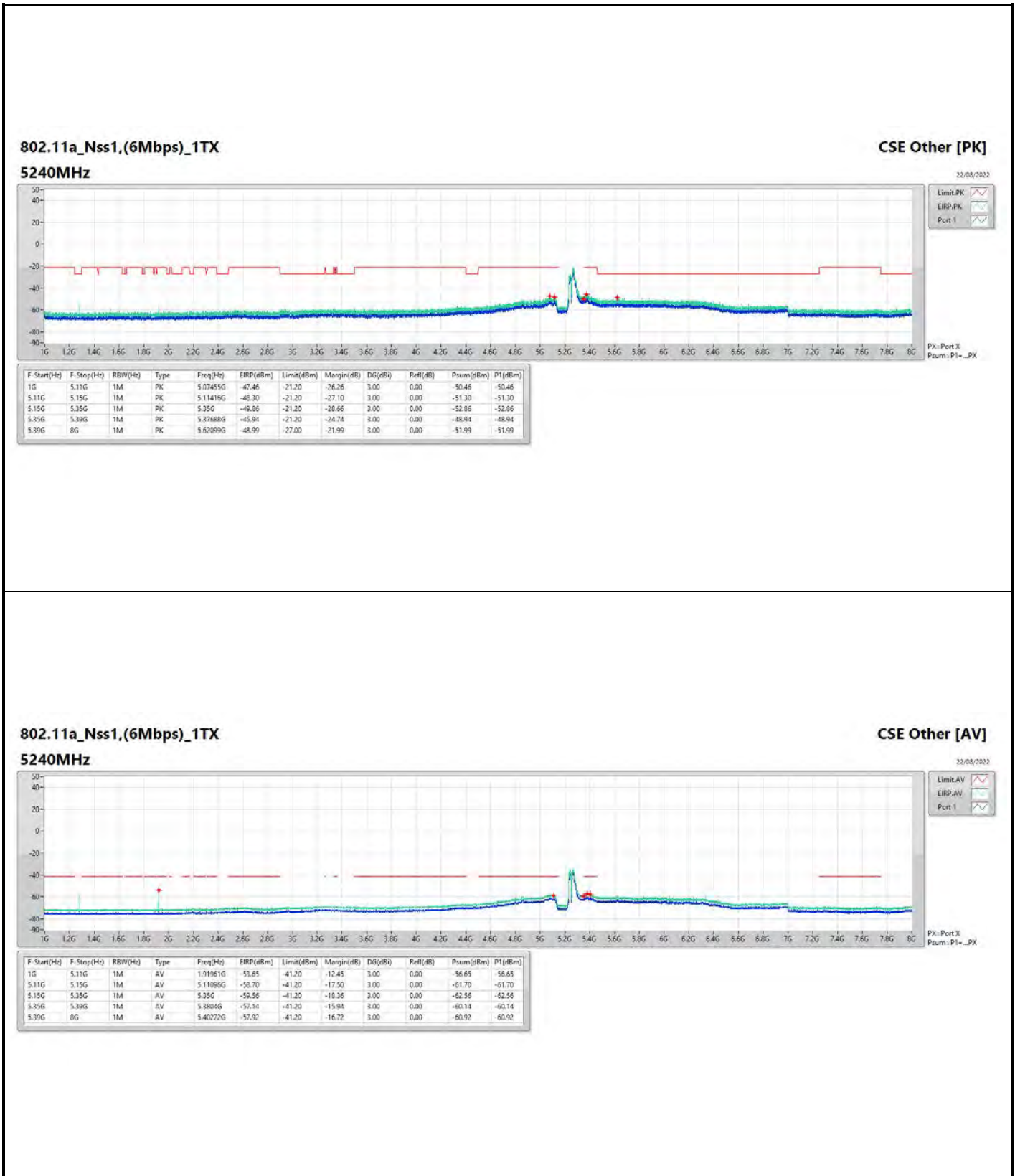
CSE_Pine R2_Antenna set 3 (Harmonic 1GHz ~ 8GHz)_P to M Appendix E.11

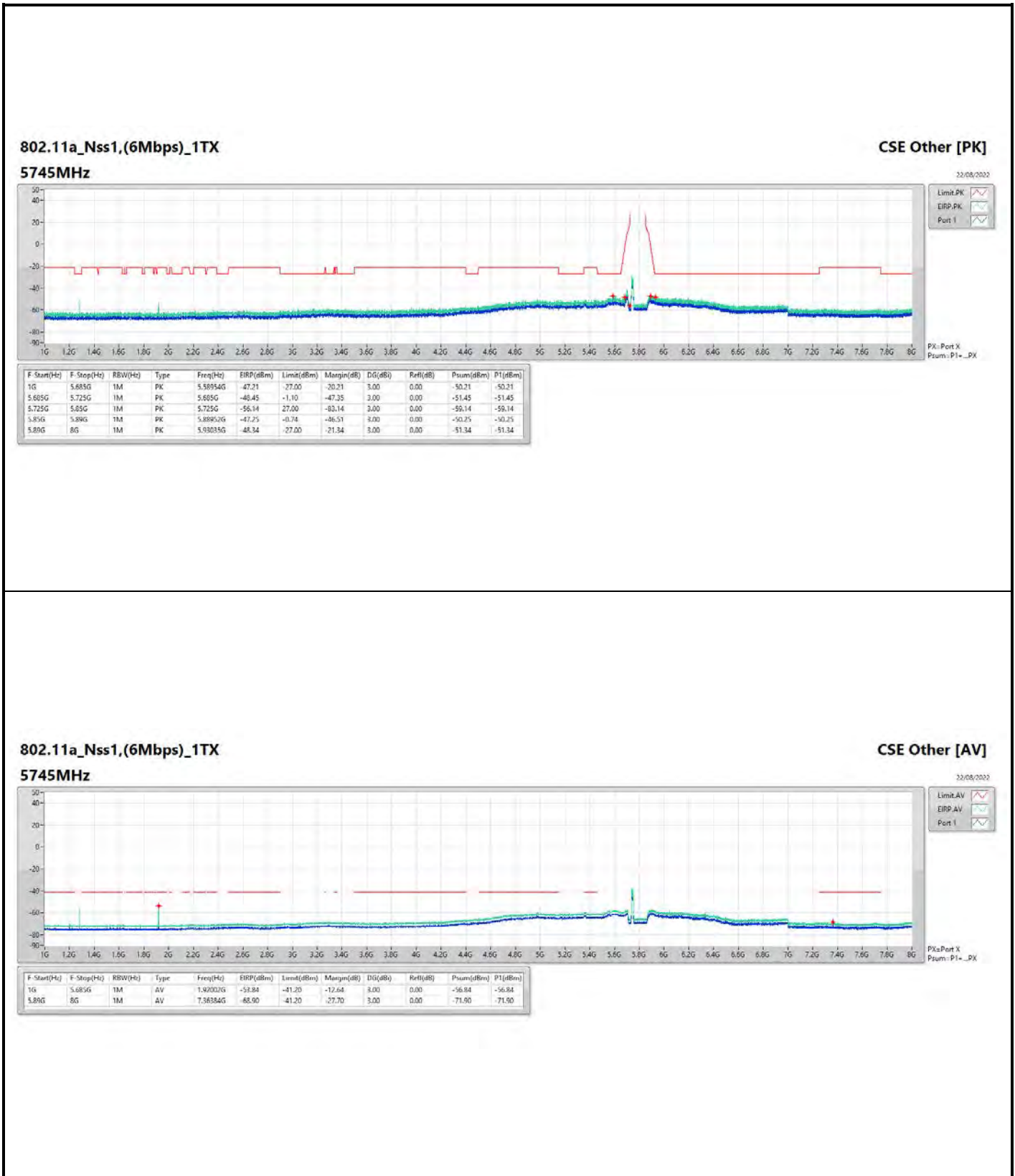
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5190MHz	Pass	1G	5.07G	AV	5.01658G	3.00	-62.18	-59.41	-58.89	-57.35	-53.11	-50.11	-41.20	-8.91
5190MHz	Pass	5.07G	5.15G	AV	5.1276G	3.00	-62.39	-59.79	-58.51	-57.78	-53.28	-50.28	-41.20	-9.08
5190MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-61.56	-60.63	-59.60	-57.36	-53.47	-50.47	-41.20	-9.27
5190MHz	Pass	5.35G	5.43G	AV	5.36088G	3.00	-61.75	-59.69	-59.16	-56.50	-52.84	-49.84	-41.20	-8.64
5190MHz	Pass	5.43G	8G	AV	5.44381G	3.00	-65.46	-61.94	-62.16	-62.72	-56.85	-53.85	-41.20	-12.65
5190MHz	Pass	1G	5.07G	PK	5.02625G	3.00	-53.69	-52.06	-49.85	-47.91	-44.31	-41.31	-21.20	-20.11
5190MHz	Pass	5.07G	5.15G	PK	5.12616G	3.00	-51.09	-47.73	-47.07	-46.74	-41.84	-38.84	-21.20	-17.64
5190MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-52.47	-51.16	-49.91	-47.03	-43.63	-40.63	-21.20	-19.43
5190MHz	Pass	5.35G	5.43G	PK	5.36696G	3.00	-52.96	-51.25	-50.71	-45.06	-42.82	-39.82	-21.20	-18.62
5190MHz	Pass	5.43G	8G	PK	6.05226G	3.00	-55.56	-53.72	-49.93	-55.12	-46.93	-43.93	-27.00	-16.93
5230MHz	Pass	1G	5.07G	AV	5.06746G	3.00	-60.45	-57.21	-56.10	-54.30	-50.47	-47.47	-41.20	-6.27
5230MHz	Pass	5.07G	5.15G	AV	5.07192G	3.00	-59.55	-56.54	-55.77	-54.30	-50.14	-47.14	-41.20	-5.94
5230MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-60.97	-57.48	-57.65	-57.02	-52.01	-49.01	-41.20	-7.81
5230MHz	Pass	5.35G	5.43G	AV	5.39224G	3.00	-59.38	-55.78	-55.52	-54.19	-49.82	-46.82	-41.20	-5.62
5230MHz	Pass	5.43G	8G	AV	5.43032G	3.00	-63.13	-58.11	-59.33	-57.98	-53.20	-50.20	-41.20	-9.00
5230MHz	Pass	1G	5.07G	PK	5.06847G	3.00	-54.28	-49.85	-44.97	-46.97	-41.80	-38.80	-21.20	-17.60
5230MHz	Pass	5.07G	5.15G	PK	5.12696G	3.00	-48.45	-42.81	-46.91	-41.26	-37.91	-34.91	-21.20	-13.71
5230MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-47.10	-46.12	-46.25	-45.67	-40.23	-37.23	-21.20	-16.03
5230MHz	Pass	5.35G	5.43G	PK	5.39464G	3.00	-49.96	-46.05	-46.49	-42.32	-39.36	-36.36	-21.20	-15.16
5230MHz	Pass	5.43G	8G	PK	5.60348G	3.00	-55.28	-50.77	-49.82	-50.45	-45.12	-42.12	-27.00	-15.12
5755MHz	Pass	1G	5.645G	AV	5.36978G	3.00	-63.29	-58.81	-58.80	-59.63	-53.78	-50.78	-41.20	-9.58
5755MHz	Pass	5.93G	8G	AV	7.32725G	3.00	-72.75	-72.41	-72.34	-73.30	-66.66	-63.66	-41.20	-22.46
5755MHz	Pass	1G	5.645G	PK	5.64384G	3.00	-51.50	-43.98	-42.74	-45.56	-38.93	-35.93	-27.00	-8.93
5755MHz	Pass	5.645G	5.725G	PK	5.6466G	3.00	-46.98	-39.95	-36.61	-36.94	-32.66	-29.66	-27.00	-2.66
5755MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-59.15	-59.82	-59.02	-59.63	-53.37	-50.37	27.00	-7.37
5755MHz	Pass	5.85G	5.93G	PK	5.92568G	3.00	-49.71	-45.68	-45.15	-41.90	-38.77	-35.77	-27.00	-8.77
5755MHz	Pass	5.93G	8G	PK	5.93G	3.00	-49.58	-46.93	-46.41	-44.65	-40.53	-37.53	-27.00	-10.53
5795MHz	Pass	1G	5.645G	AV	5.4052G	3.00	-63.95	-58.99	-59.03	-59.72	-54.00	-51.00	-41.20	-9.80
5795MHz	Pass	5.93G	8G	AV	7.30319G	3.00	-72.75	-72.72	-73.55	-71.55	-66.56	-63.56	-41.20	-22.36
5795MHz	Pass	1G	5.645G	PK	5.64326G	3.00	-52.28	-47.85	-44.64	-46.99	-41.15	-38.15	-27.00	-11.15
5795MHz	Pass	5.645G	5.725G	PK	5.64628G	3.00	-50.11	-44.41	-46.35	-45.00	-39.97	-36.97	-27.00	-9.97
5795MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-60.15	-60.15	-59.12	-59.40	-53.66	-50.66	27.00	-77.66
5795MHz	Pass	5.85G	5.93G	PK	5.92568G	3.00	-50.61	-40.87	-46.38	-45.79	-38.54	-35.54	-27.00	-8.54
5795MHz	Pass	5.93G	8G	PK	5.9582G	3.00	-47.39	-45.00	-45.78	-45.09	-39.70	-36.70	-27.00	-9.70
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	1G	4.99G	AV	4.99G	3.00	-65.21	-60.25	-61.61	-62.94	-56.12	-53.12	-41.20	-11.92
5210MHz	Pass	4.99G	5.15G	AV	5.12792G	3.00	-58.91	-53.08	-51.74	-51.88	-47.12	-44.12	-41.20	-2.92
5210MHz	Pass	5.15G	5.35G	AV	5.35G	3.00	-63.07	-59.89	-60.21	-59.14	-54.33	-51.33	-41.20	-10.13
5210MHz	Pass	5.35G	5.51G	AV	5.36536G	3.00	-63.36	-59.95	-59.49	-59.06	-54.16	-51.16	-41.20	-9.96
5210MHz	Pass	5.51G	8G	AV	7.2916G	3.00	-73.19	-72.21	-71.99	-72.81	-66.50	-63.50	-41.20	-22.30
5210MHz	Pass	1G	4.99G	PK	2.44687G	3.00	-65.02	-65.90	-53.04	-64.97	-52.32	-49.32	-27.00	-22.32
5210MHz	Pass	4.99G	5.15G	PK	5.12216G	3.00	-47.76	-41.10	-42.47	-38.62	-35.40	-32.40	-21.20	-11.20
5210MHz	Pass	5.15G	5.35G	PK	5.35G	3.00	-53.56	-50.49	-50.83	-49.38	-44.80	-41.80	-21.20	-20.60
5210MHz	Pass	5.35G	5.51G	PK	5.47096G	3.00	-55.25	-50.87	-51.76	-52.49	-46.29	-43.29	-27.00	-16.29
5210MHz	Pass	5.51G	8G	PK	5.75962G	3.00	-52.63	-50.23	-48.86	-52.75	-44.78	-41.78	-27.00	-14.78
5775MHz	Pass	1G	5.565G	AV	5.37384G	3.00	-66.11	-61.95	-61.41	-62.28	-56.58	-53.58	-41.20	-12.38
5775MHz	Pass	6.01G	8G	AV	7.29081G	3.00	-72.53	-73.69	-73.42	-71.34	-66.62	-63.62	-41.20	-22.42
5775MHz	Pass	1G	5.565G	PK	5.31963G	3.00	-59.28	-52.98	-52.35	-52.43	-47.51	-44.51	-27.00	-17.51
5775MHz	Pass	5.565G	5.725G	PK	5.64468G	3.00	-53.82	-50.64	-48.09	-47.87	-43.50	-40.50	-27.00	-13.50
5775MHz	Pass	5.725G	5.85G	PK	5.85G	3.00	-58.71	-58.64	-58.55	-59.41	-52.79	-49.79	27.00	-76.79
5775MHz	Pass	5.85G	6.01G	PK	5.93288G	3.00	-51.53	-50.53	-48.79	-50.78	-44.27	-41.27	-27.00	-14.27
5775MHz	Pass	6.01G	8G	PK	6.06423G	3.00	-57.44	-50.95	-51.48	-51.87	-46.30	-43.30	-27.00	-16.30

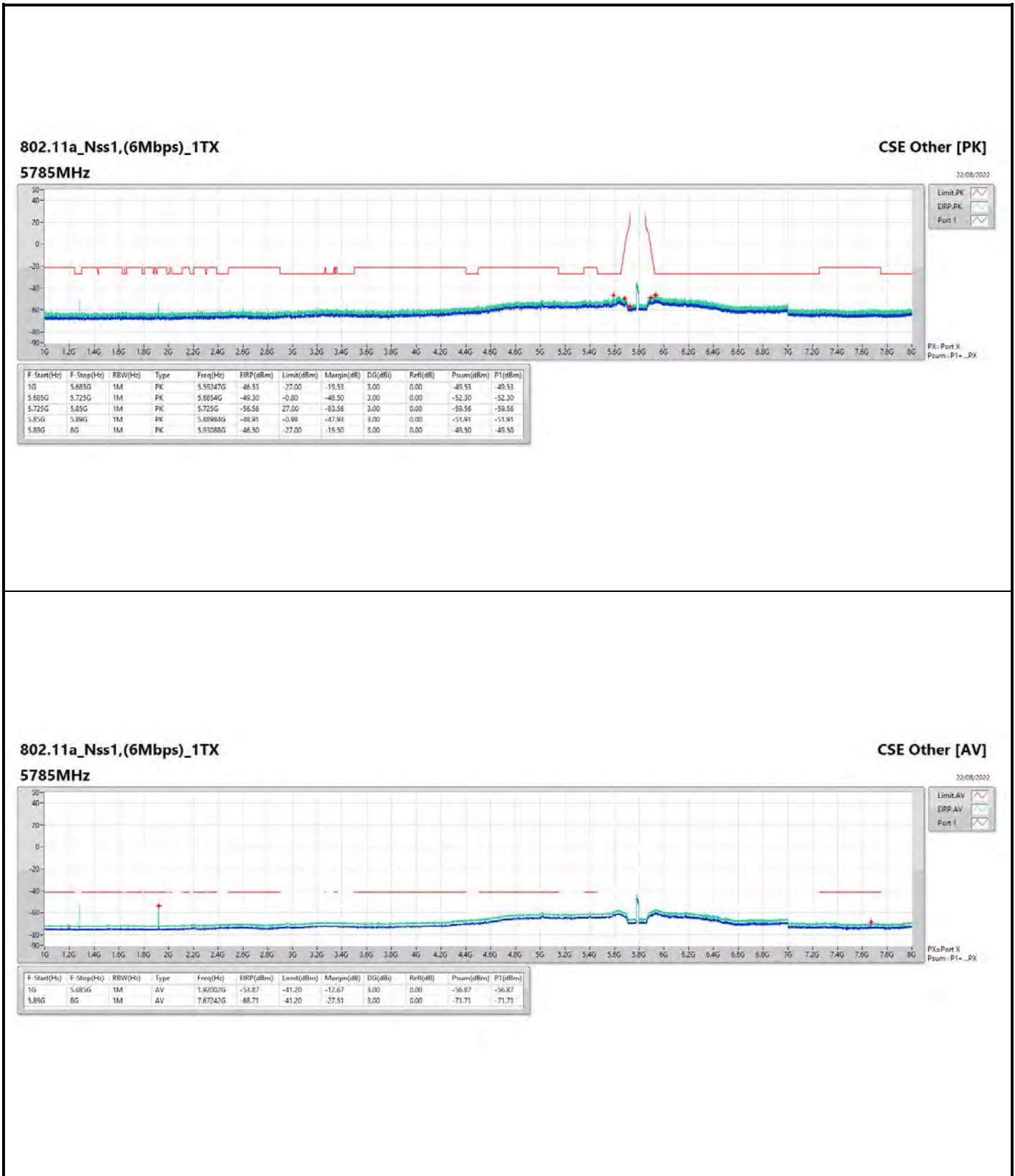
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

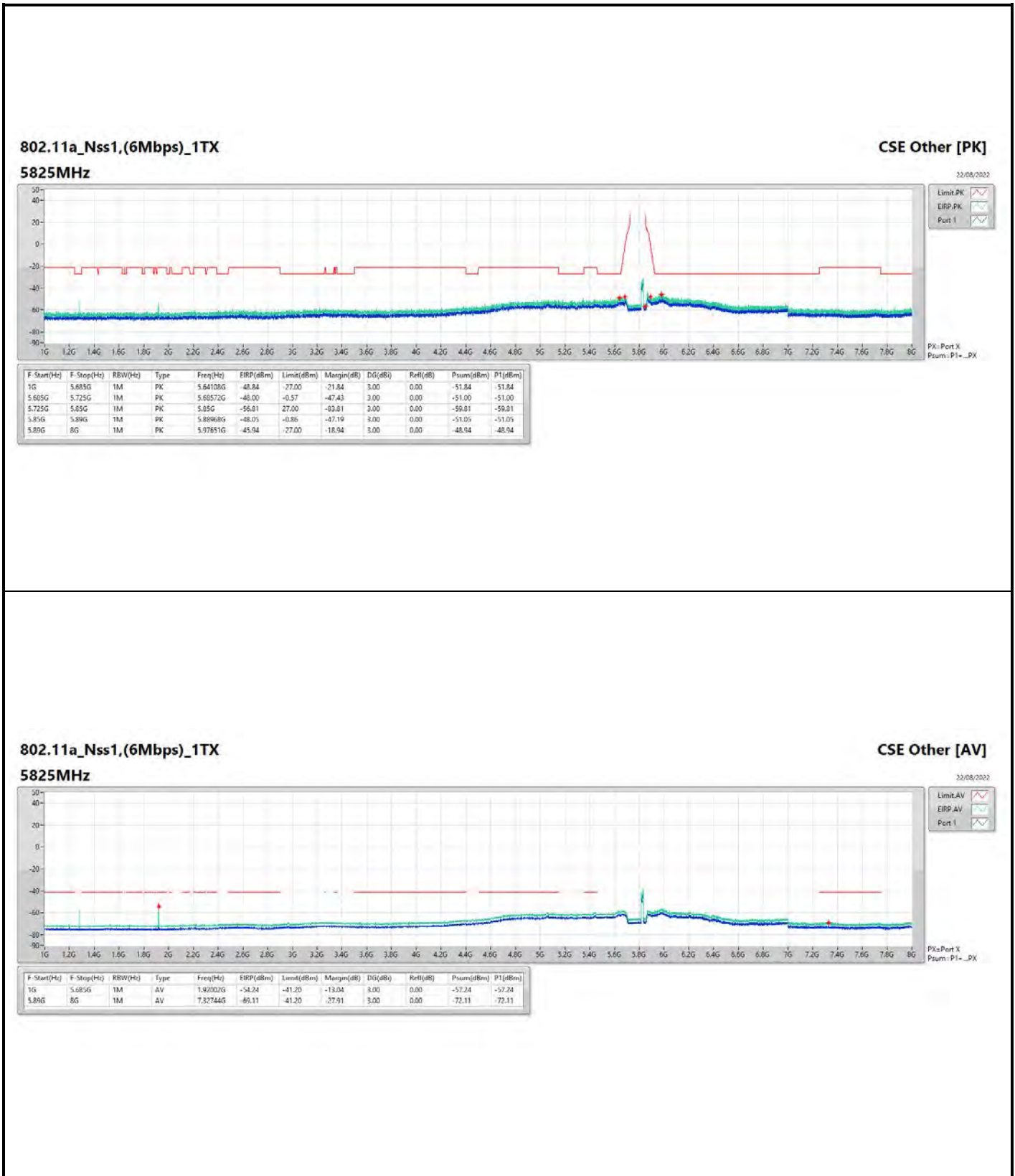


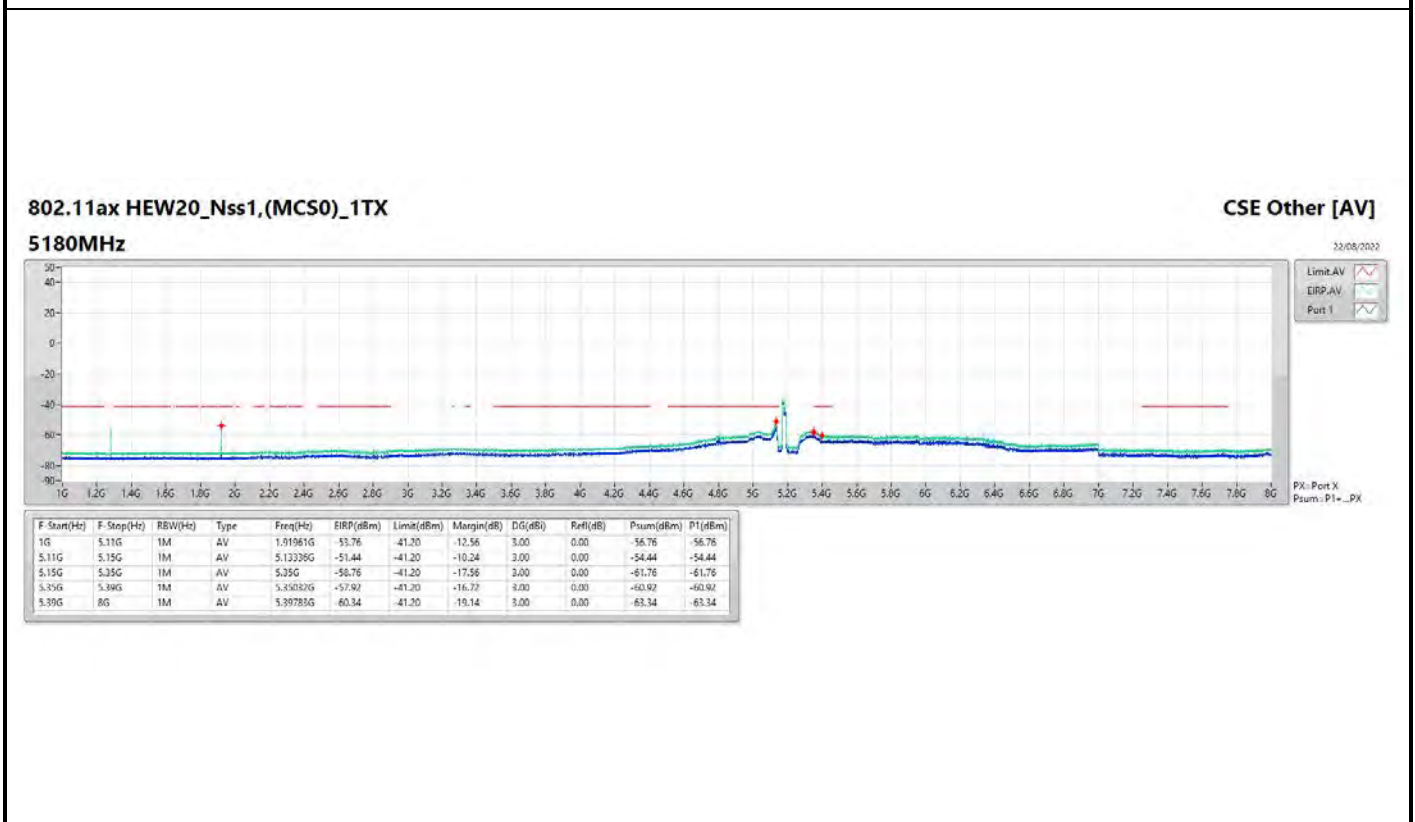
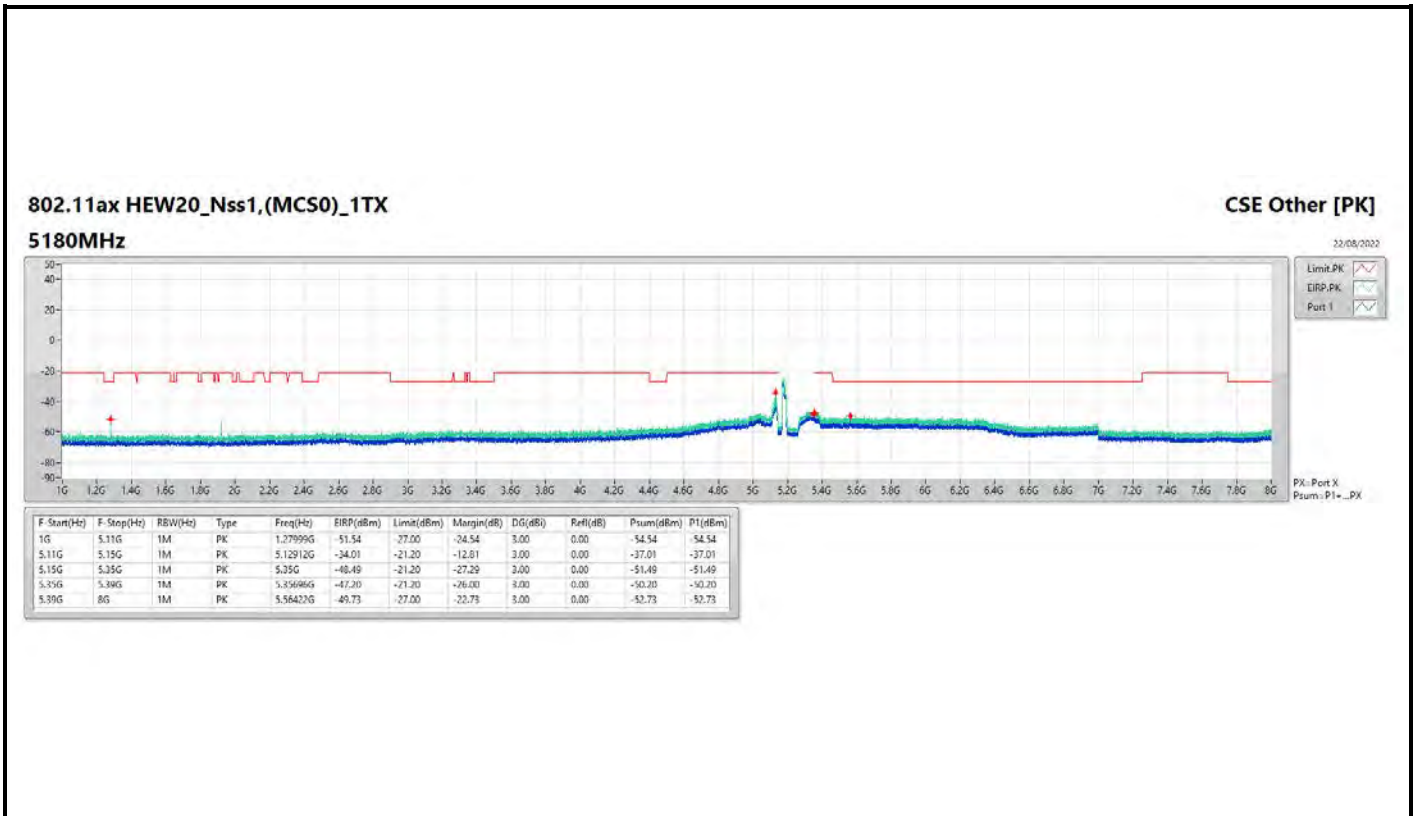


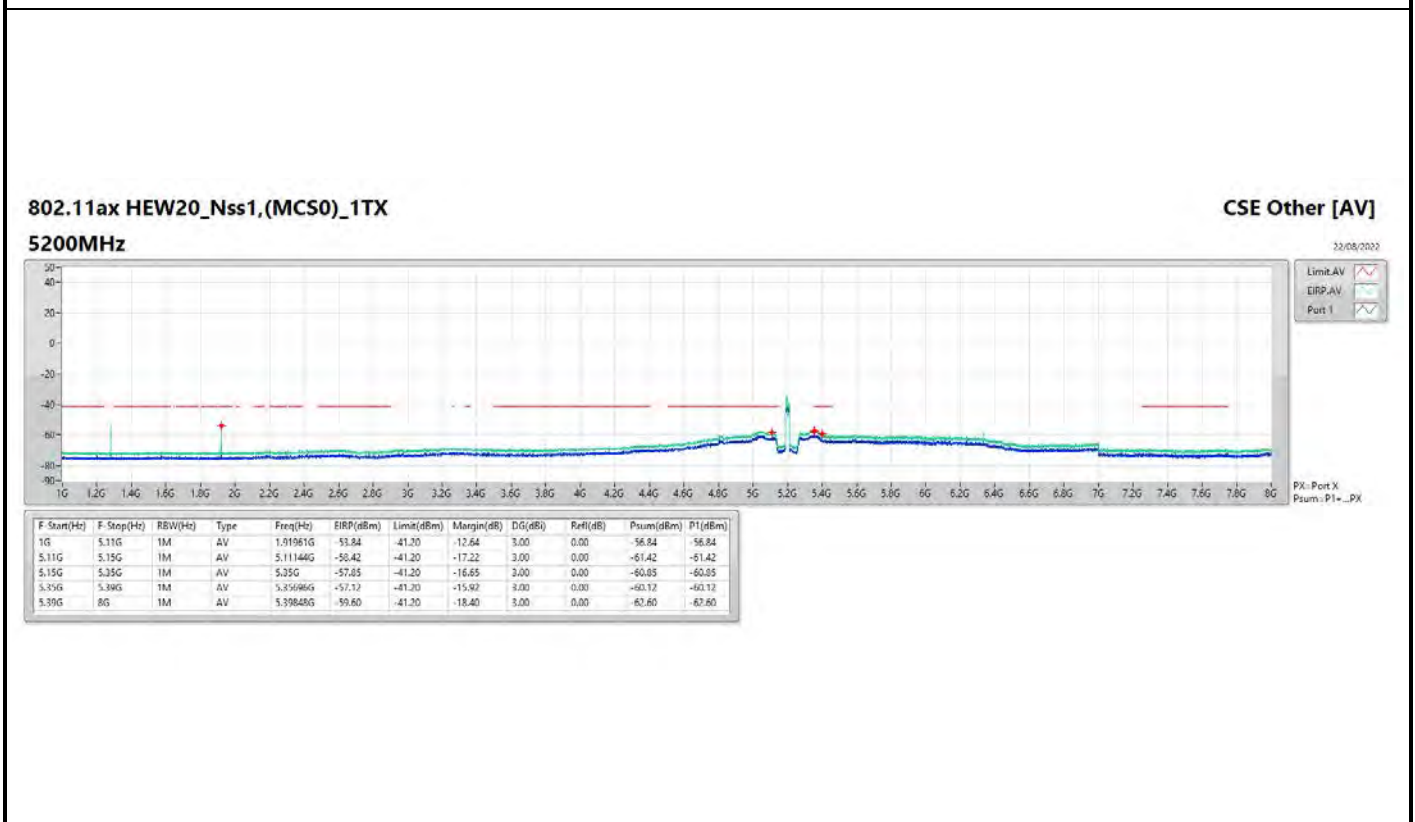
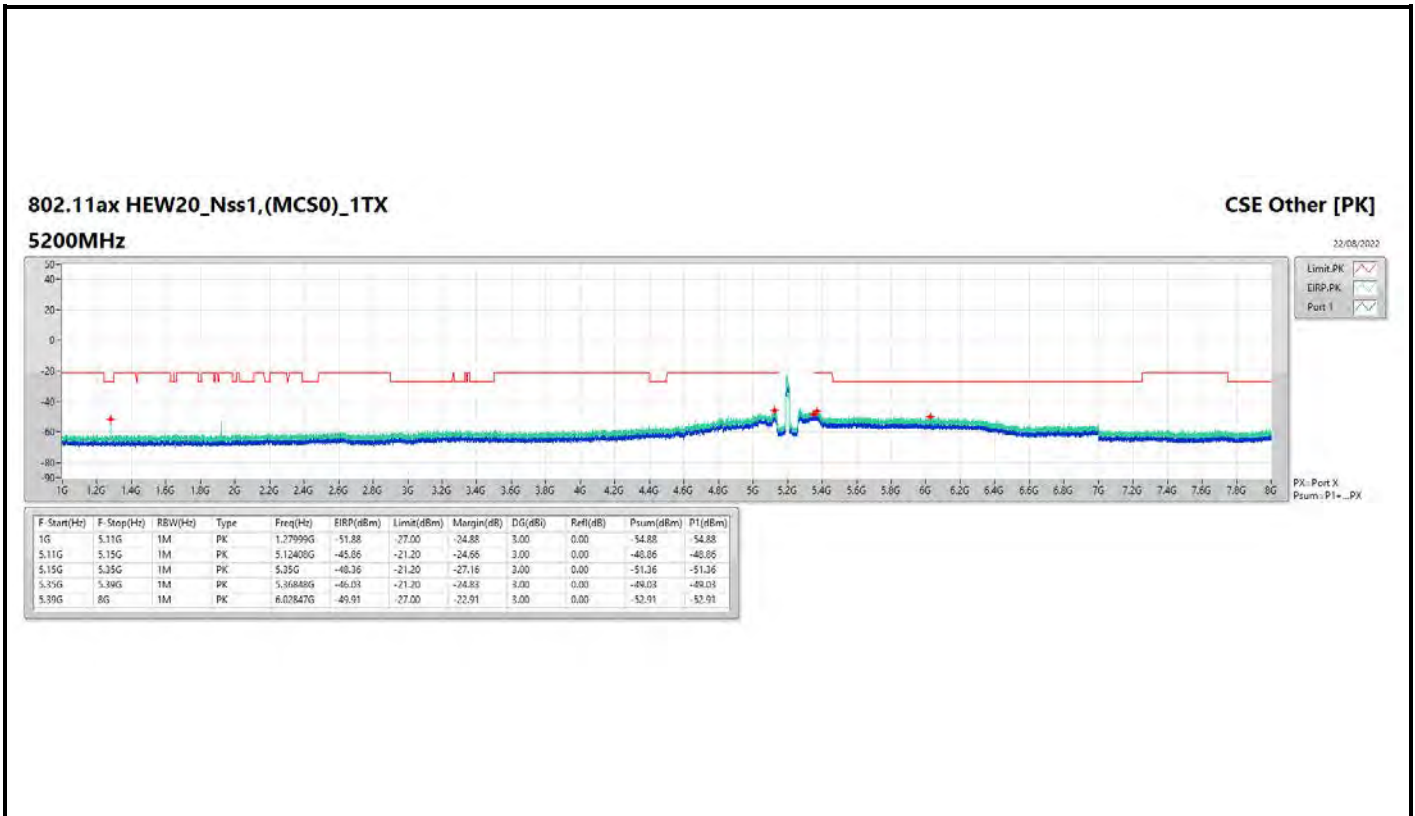


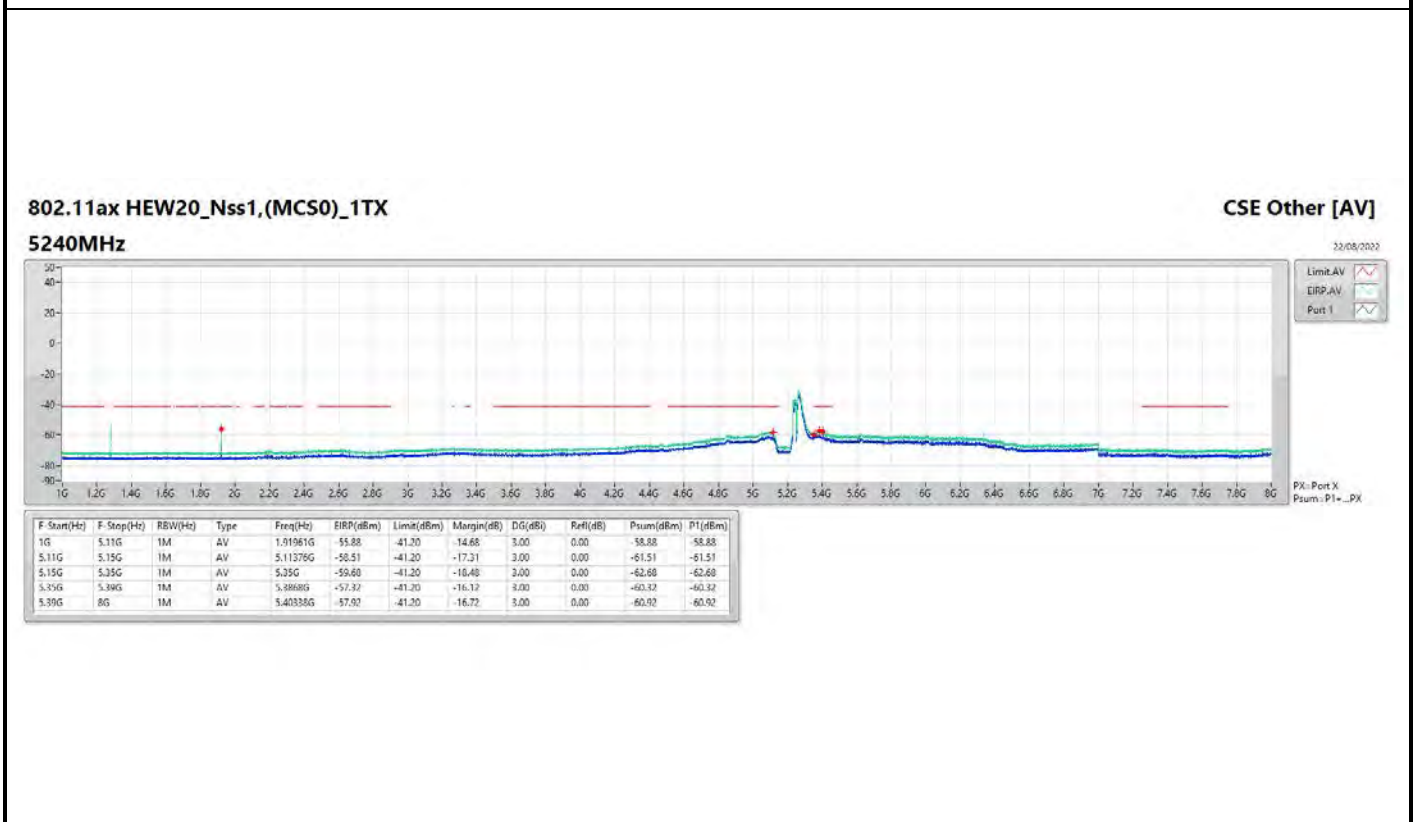
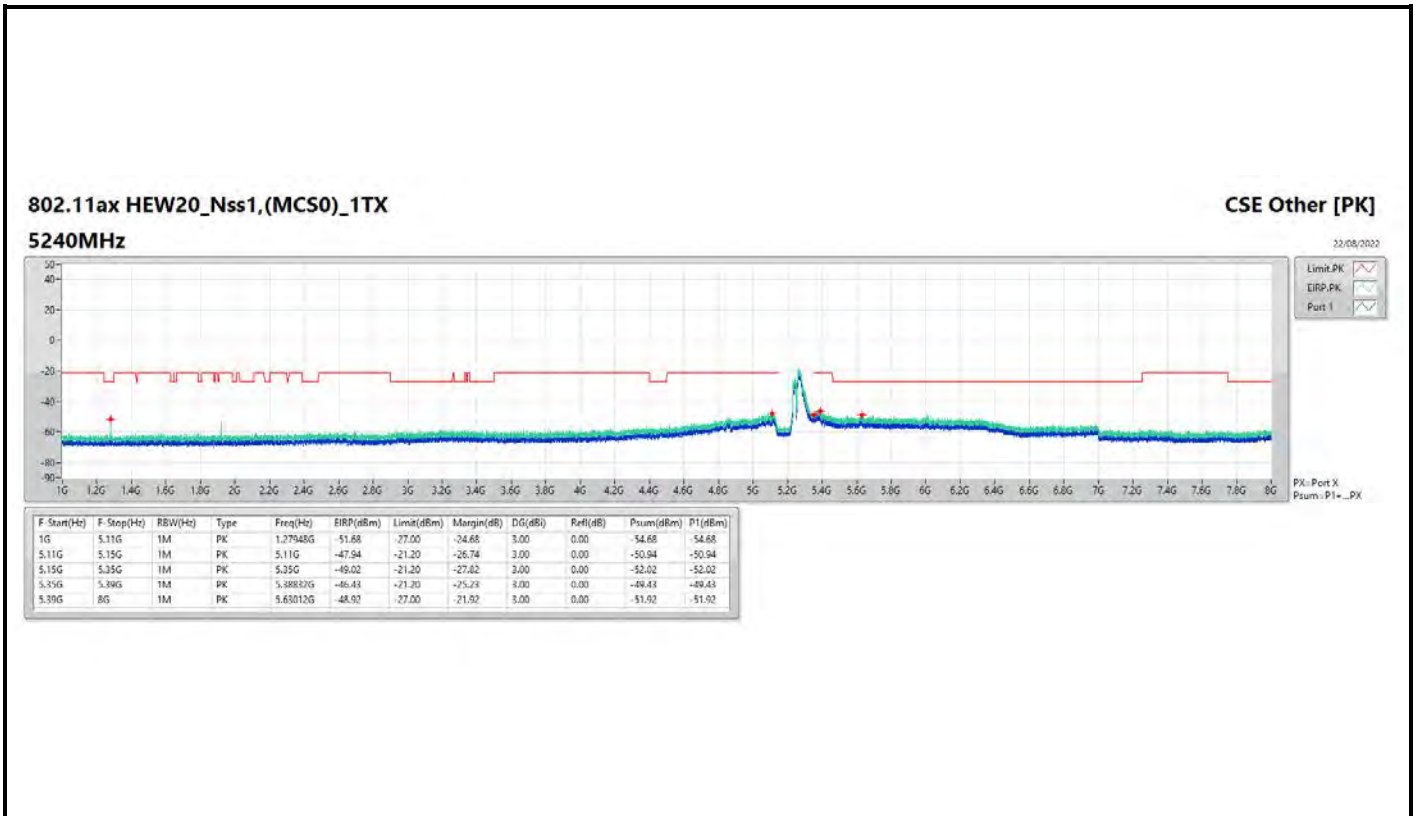


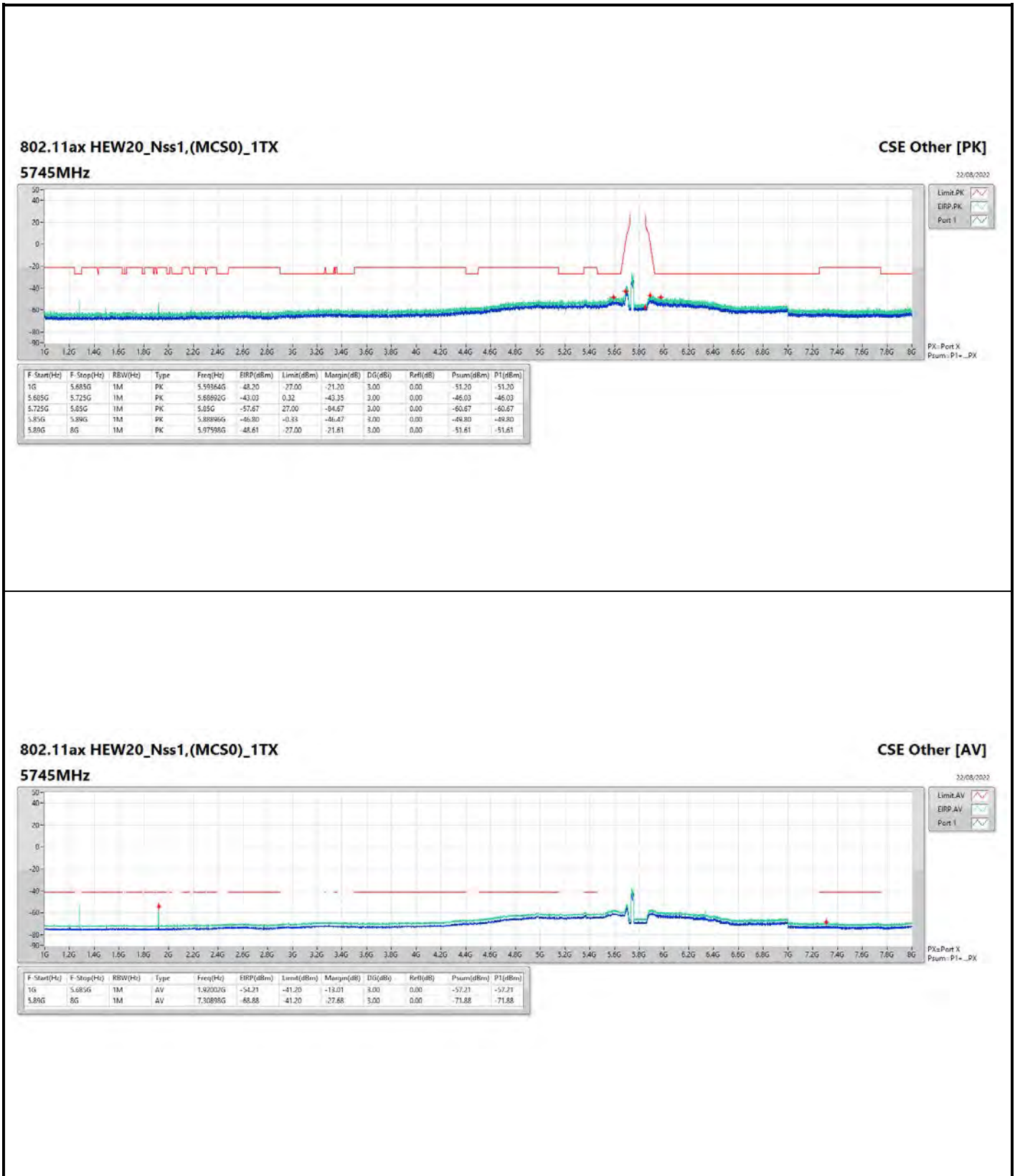


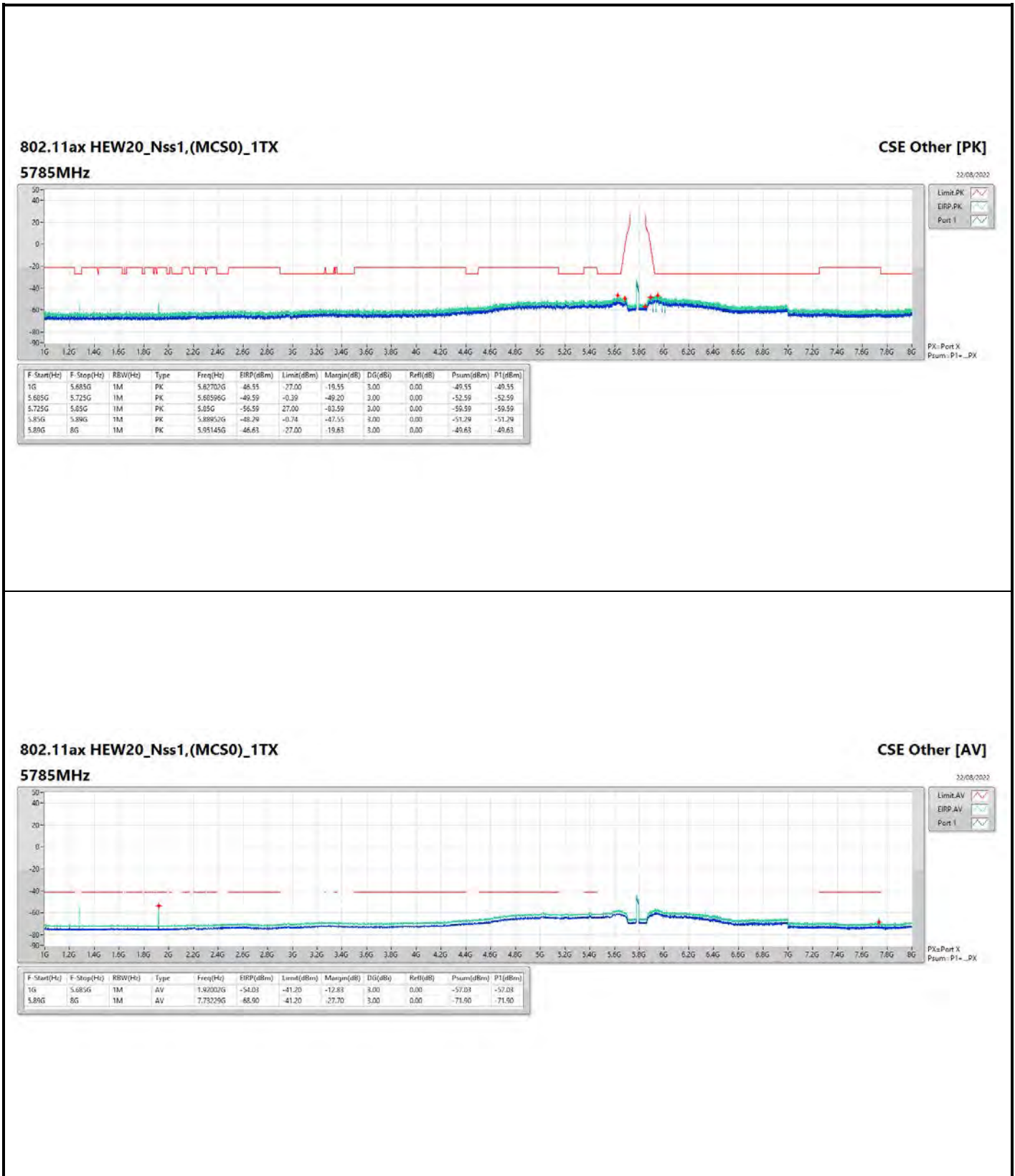


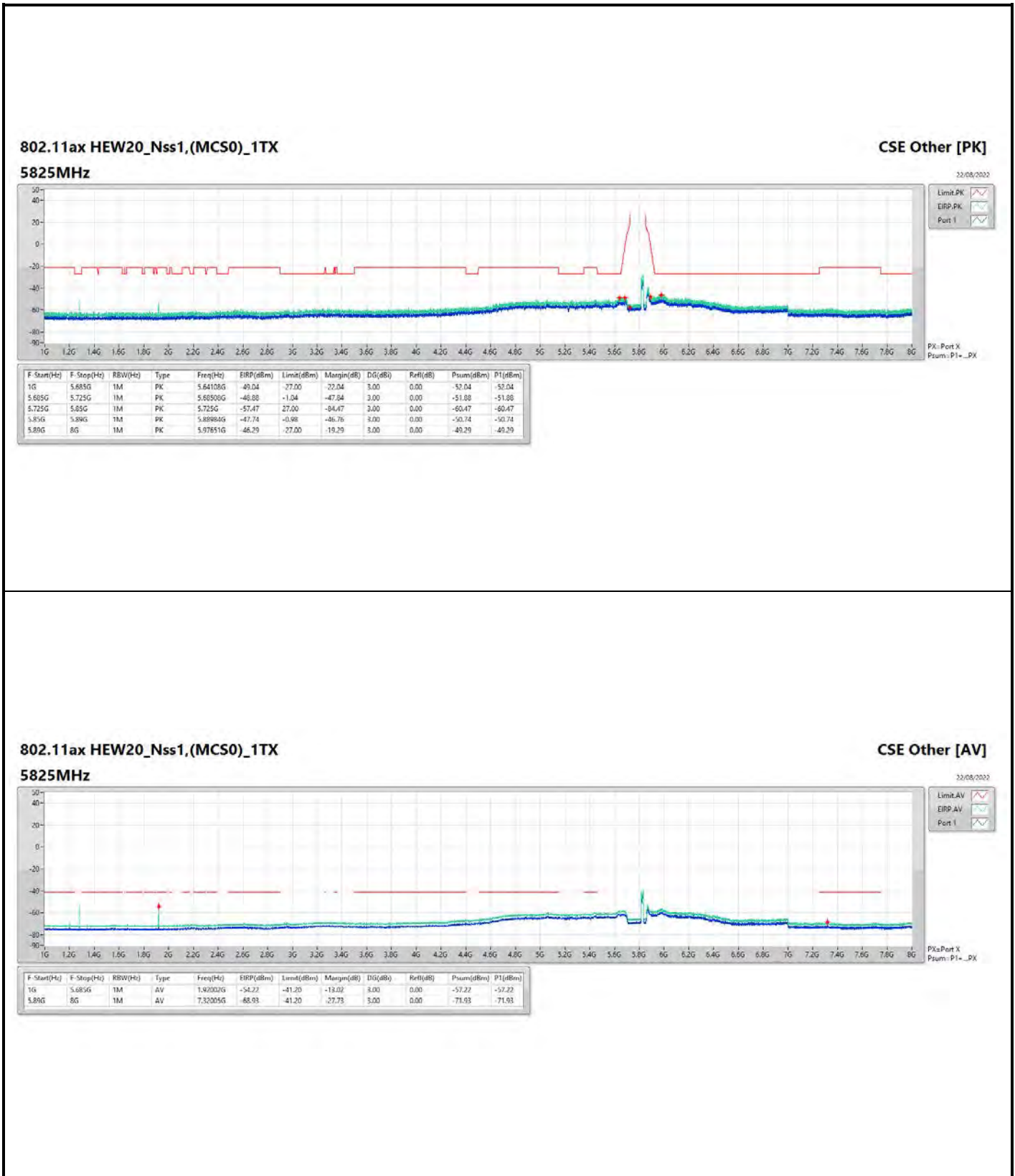


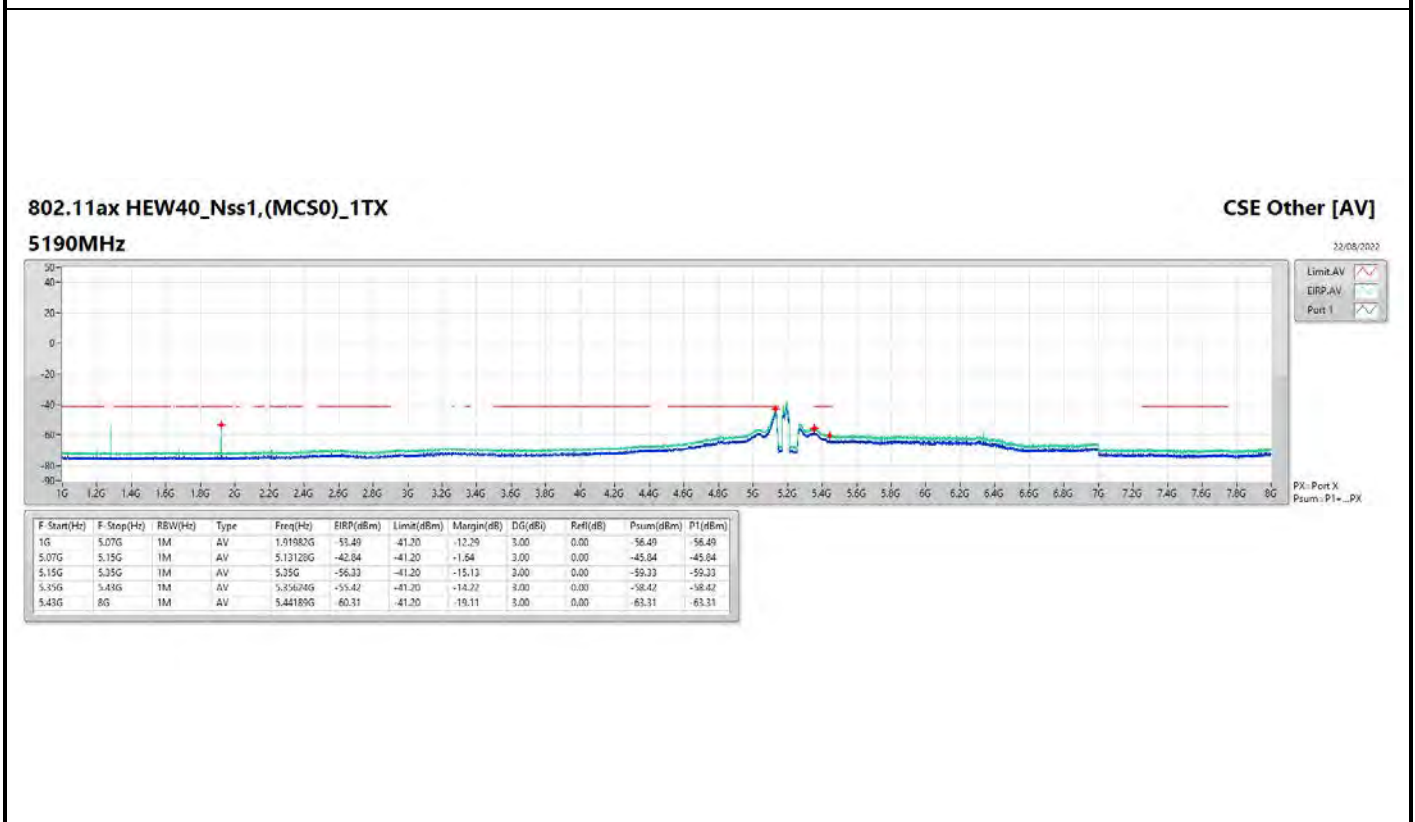
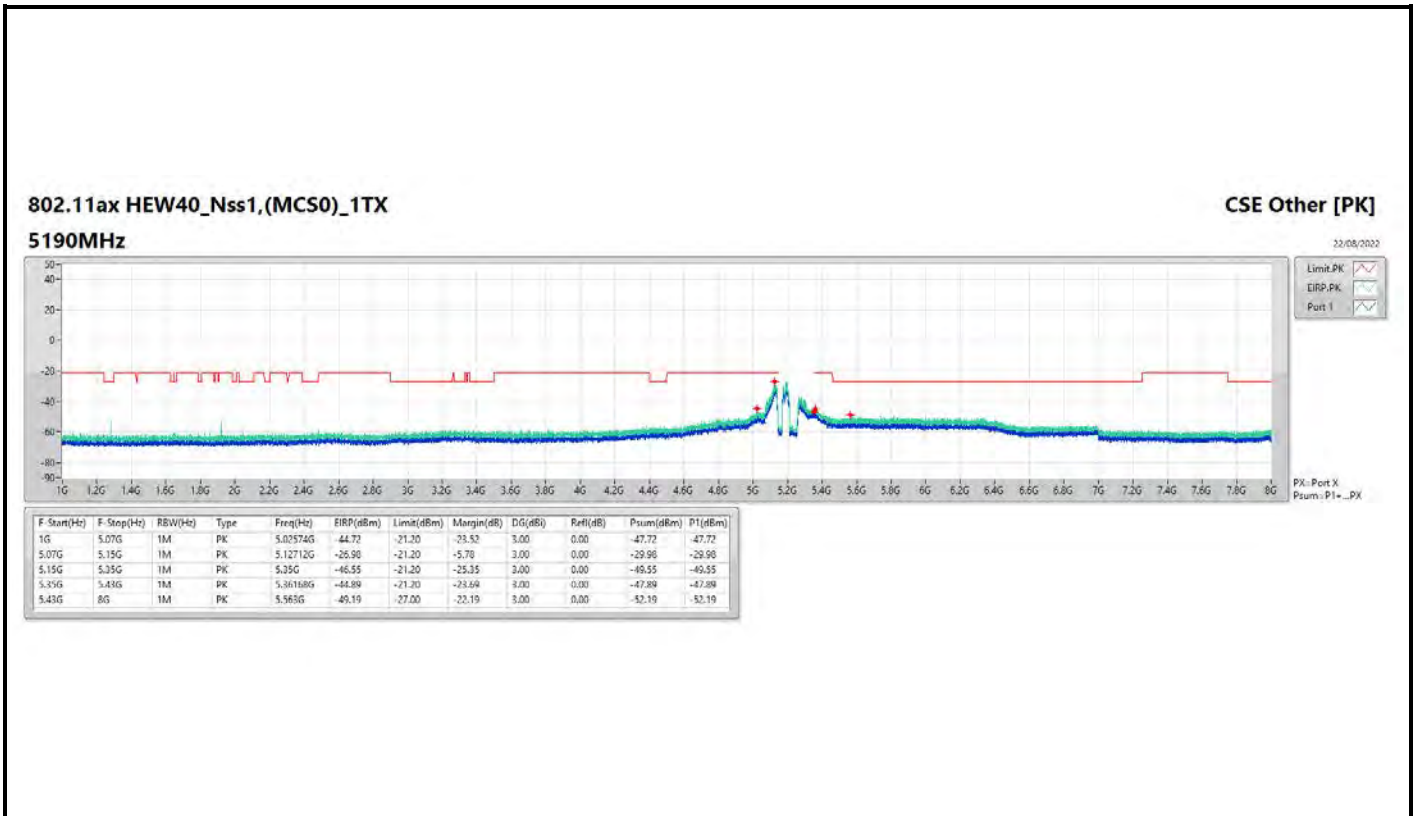


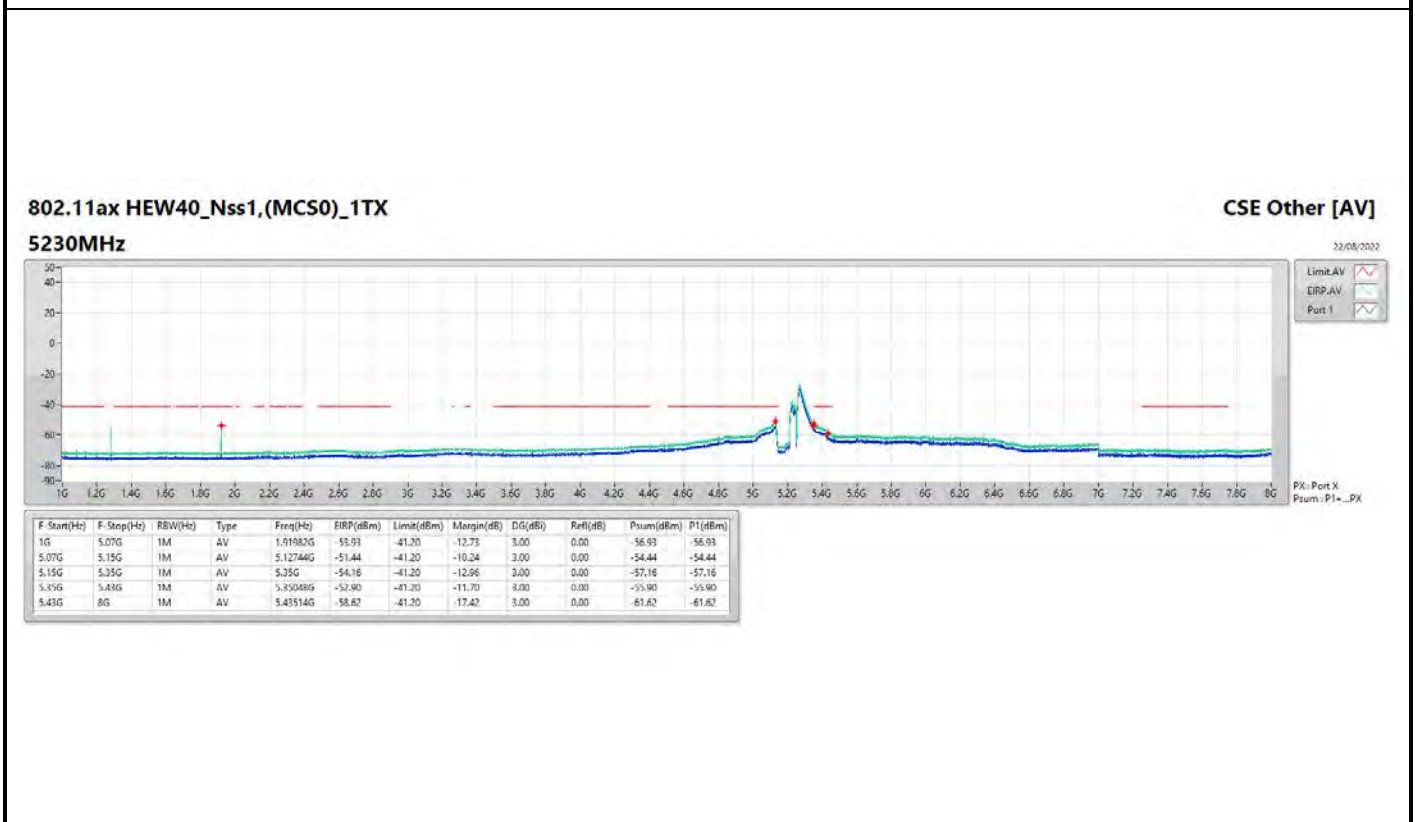
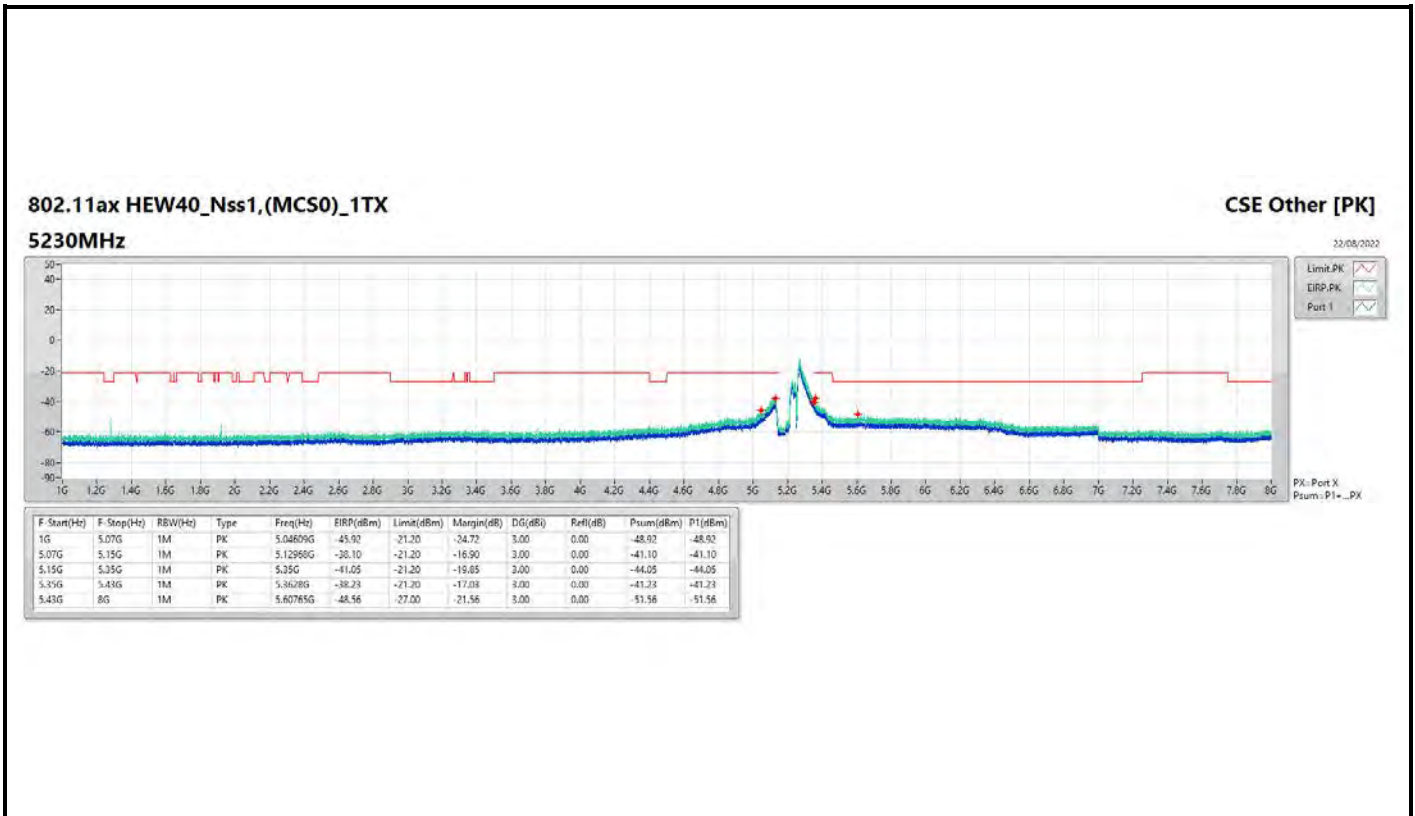


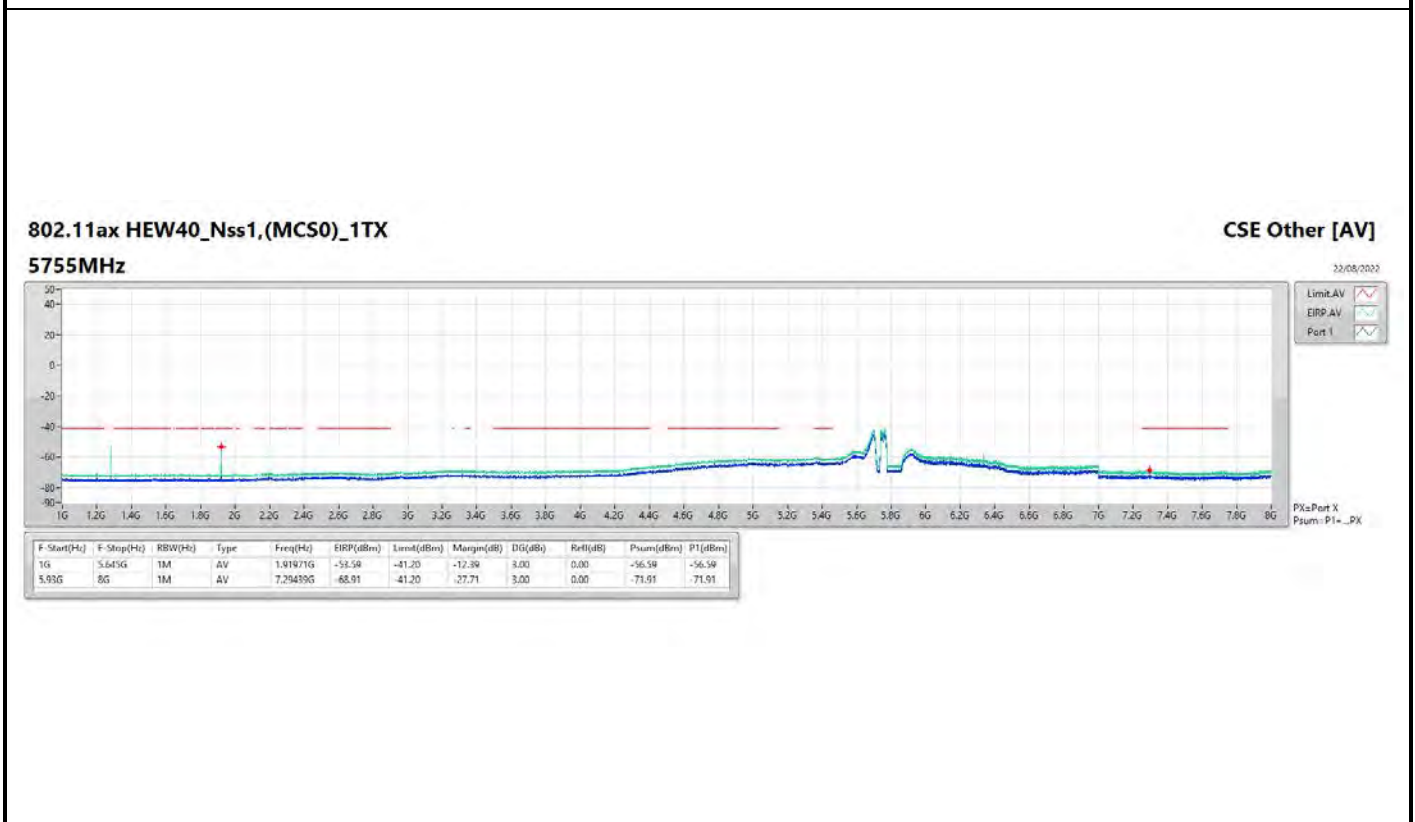
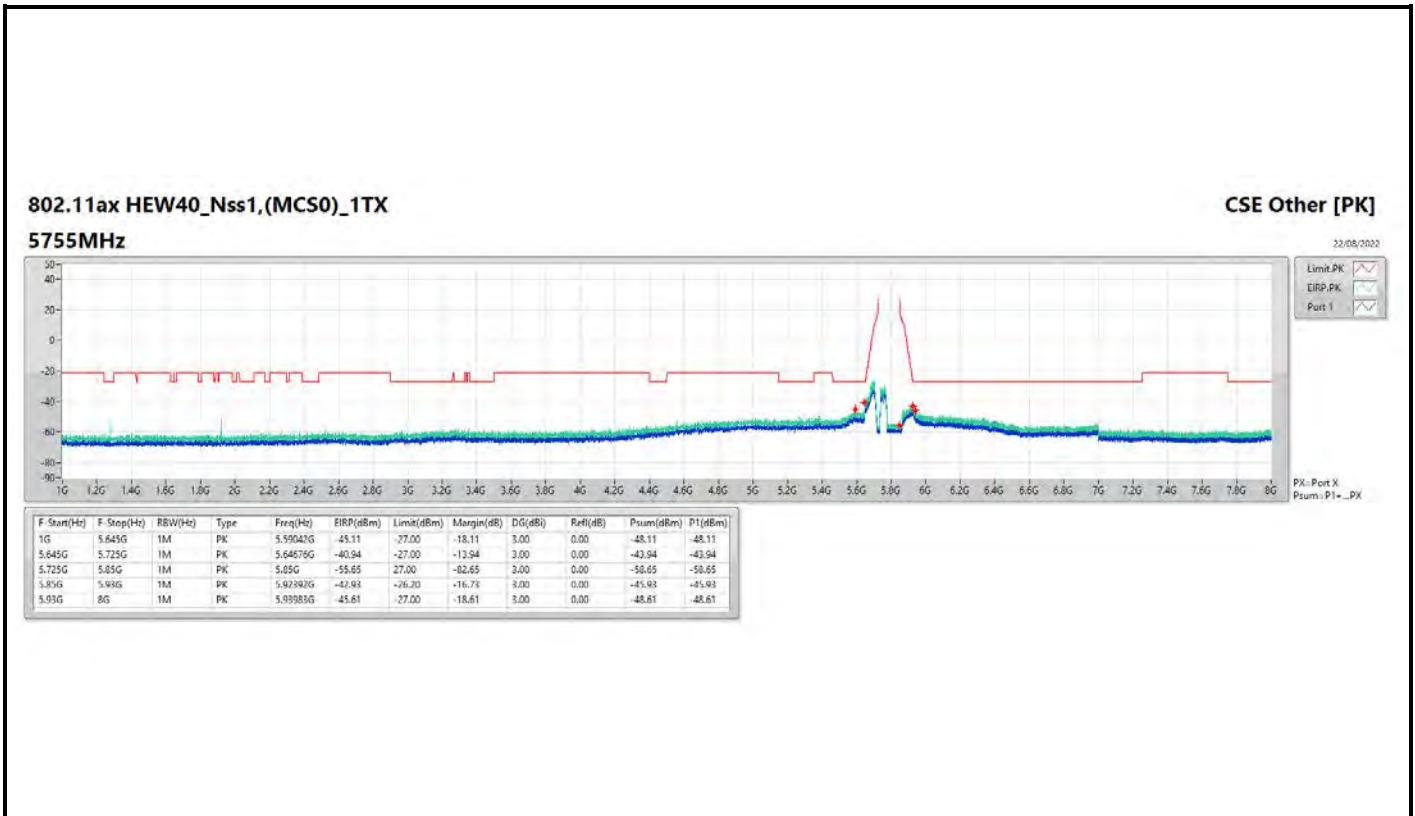








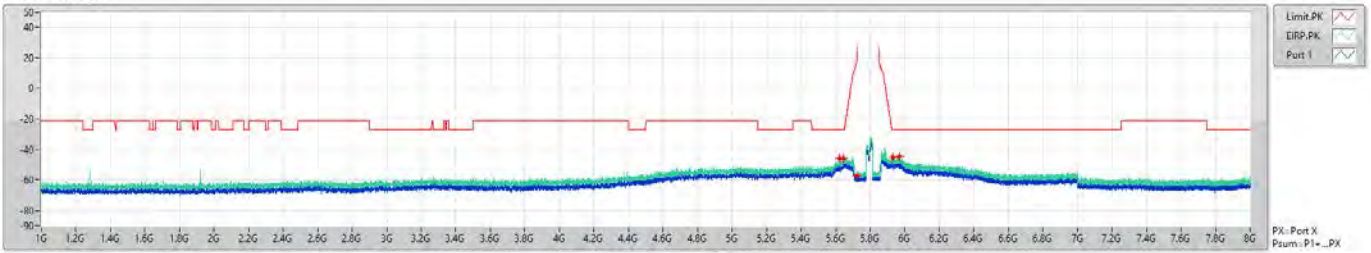




802.11ax HEW40_Nss1,(MCS0)_1TX
5795MHz

CSE Other [PK]

22/08/2022

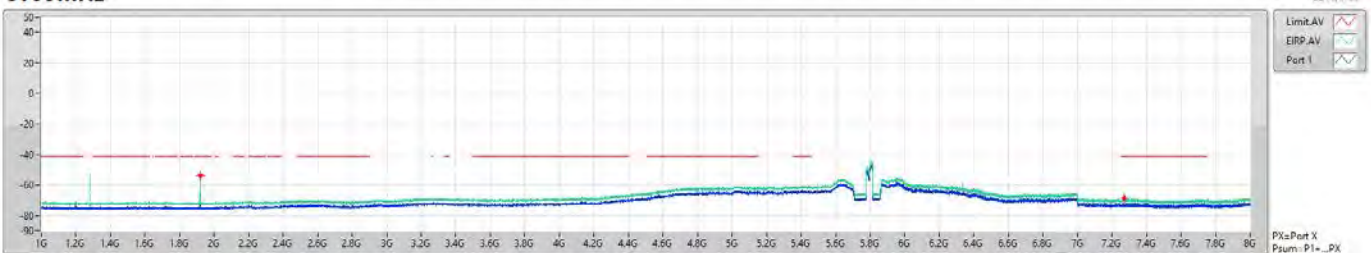


F Start(Hz)	F Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	5.645G	1M	PK	5.62356G	-45.49	-27.00	-18.49	3.00	0.00	-48.49	-48.49
5.645G	5.725G	1M	PK	5.64675G	-45.68	-27.00	-18.68	3.00	0.00	-48.68	-48.68
5.725G	5.85G	1M	PK	5.725G	-56.97	27.00	-83.97	3.00	0.00	-59.97	-59.97
5.85G	5.93G	1M	PK	5.92968G	-45.07	-27.00	-18.07	3.00	0.00	-48.07	-48.07
5.93G	8G	1M	PK	5.97114G	-44.70	-27.00	-17.70	3.00	0.00	-47.70	-47.70

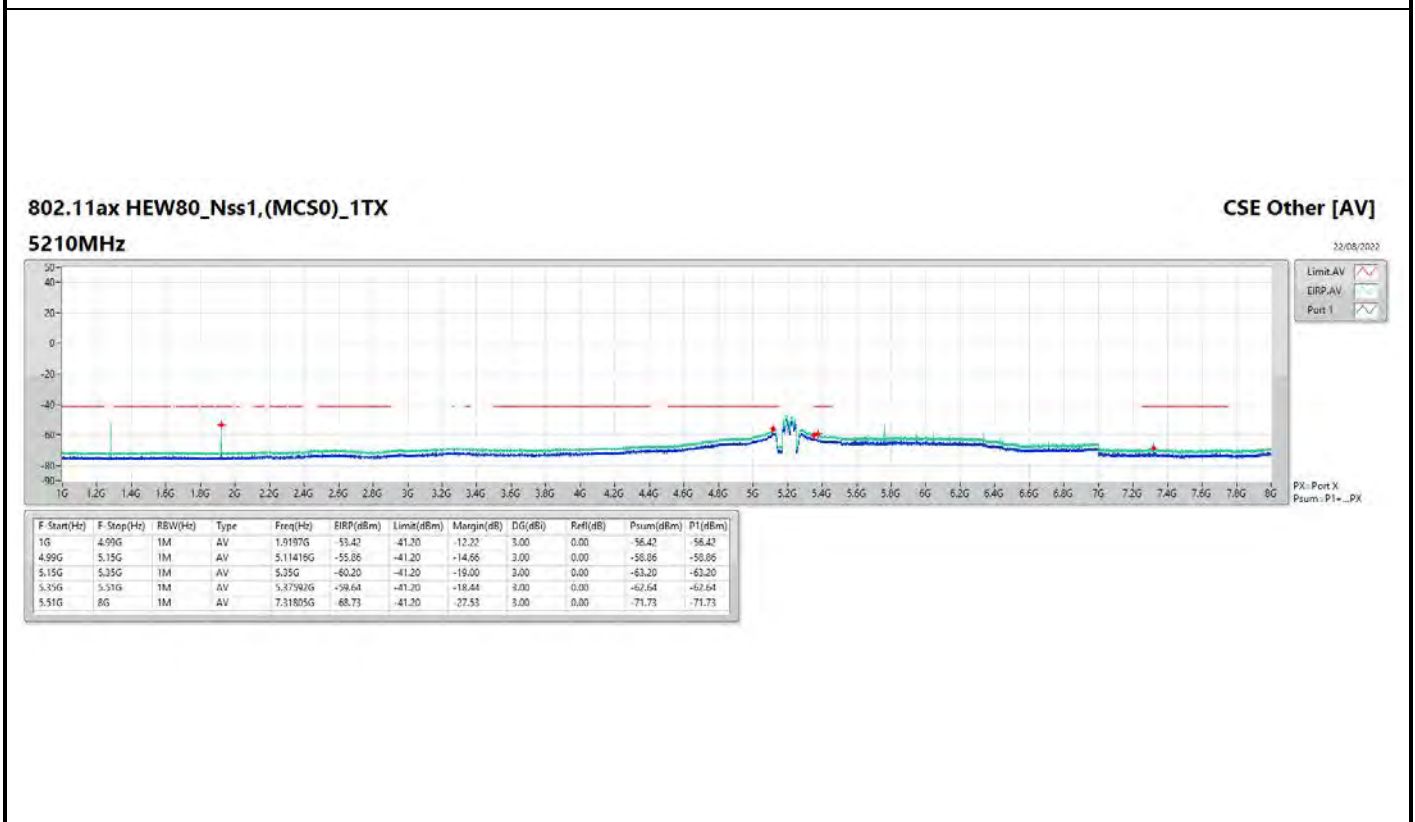
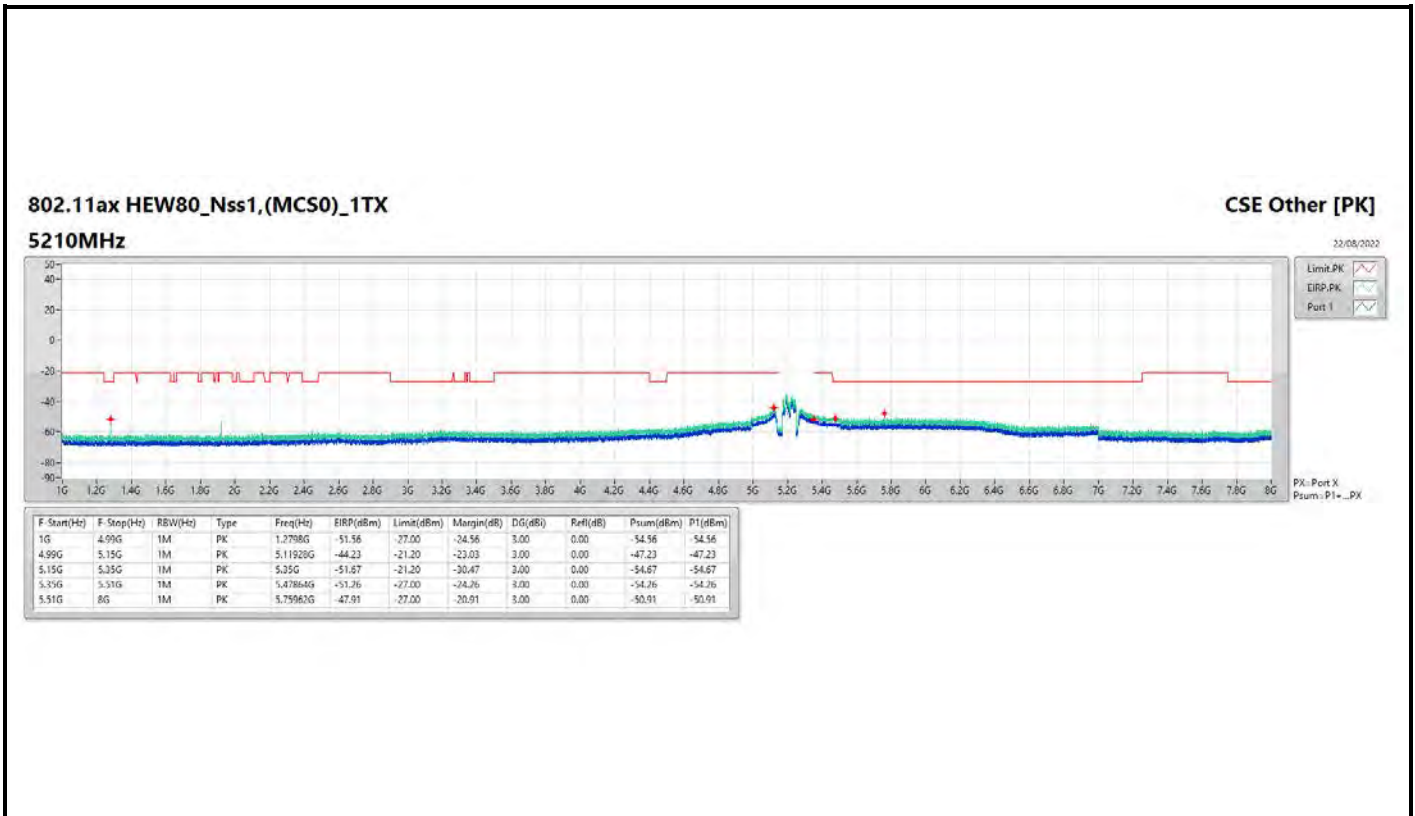
802.11ax HEW40_Nss1,(MCS0)_1TX
5795MHz

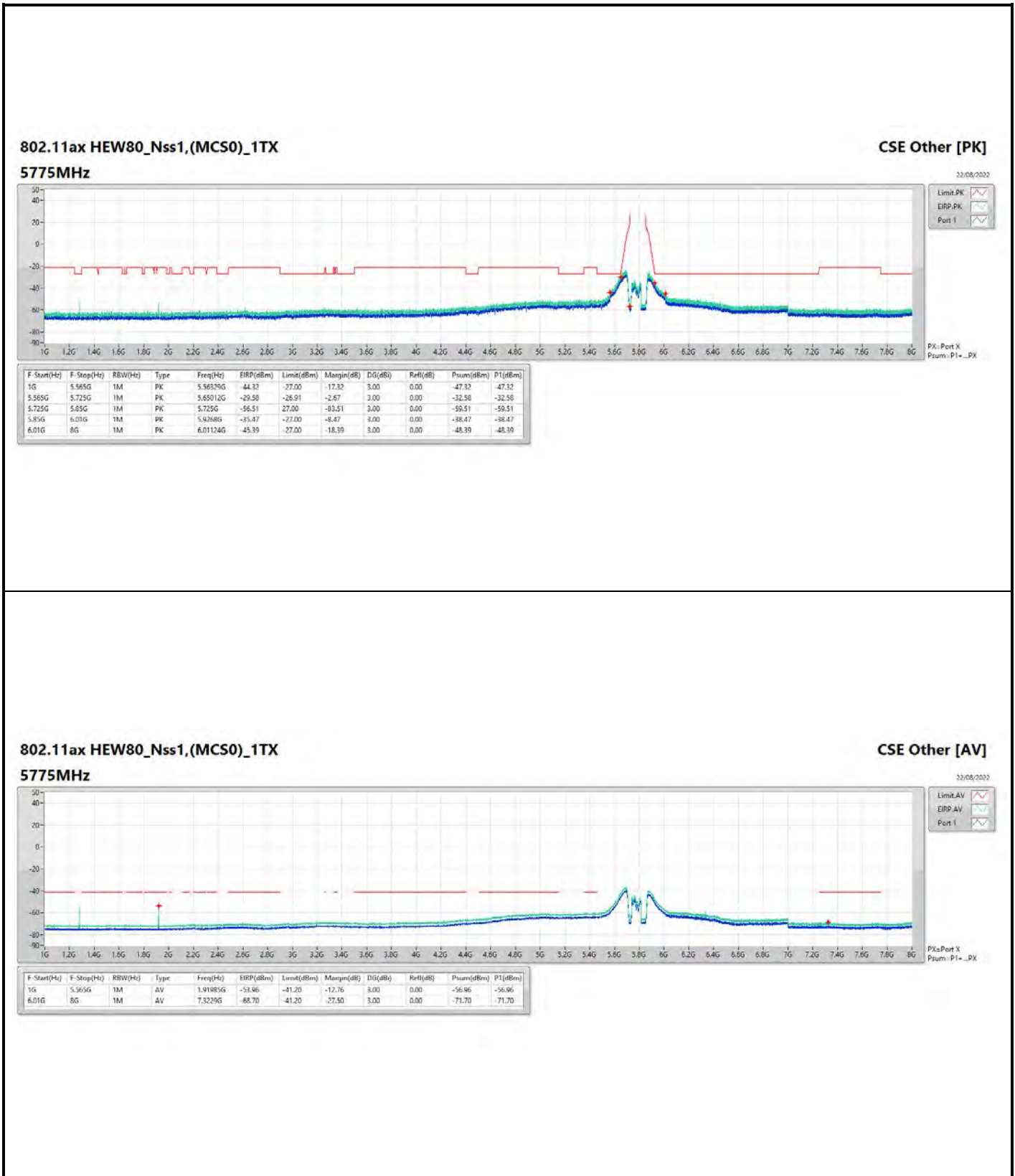
CSE Other [AV]

22/08/2022



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)
1G	5.645G	1M	AV	1.919/1G	-53.94	-41.20	-12.74	3.00	0.00	-56.94	-56.94
5.93G	8G	1M	AV	7.27265G	-68.78	41.20	-27.58	3.00	0.00	-71.78	-71.78



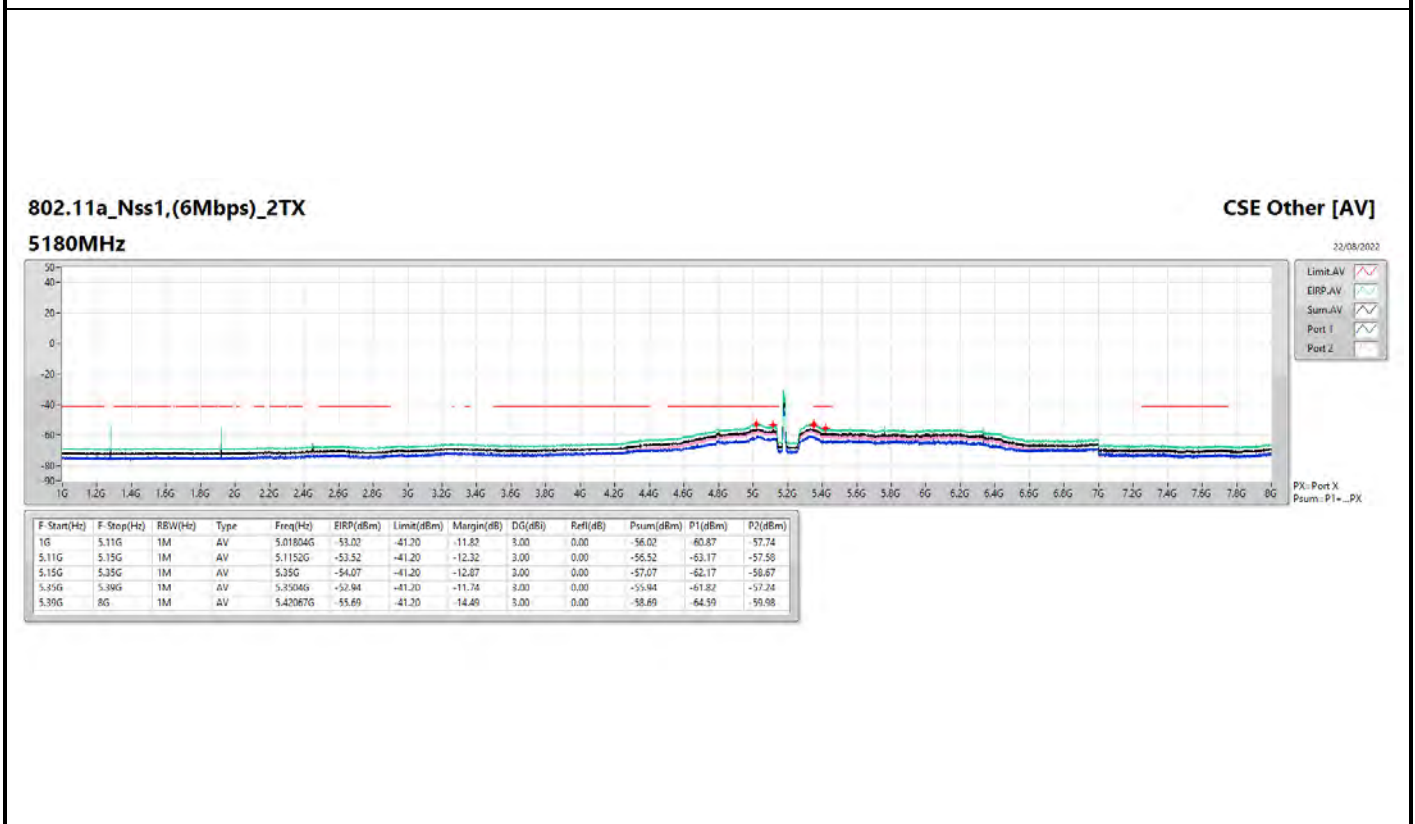
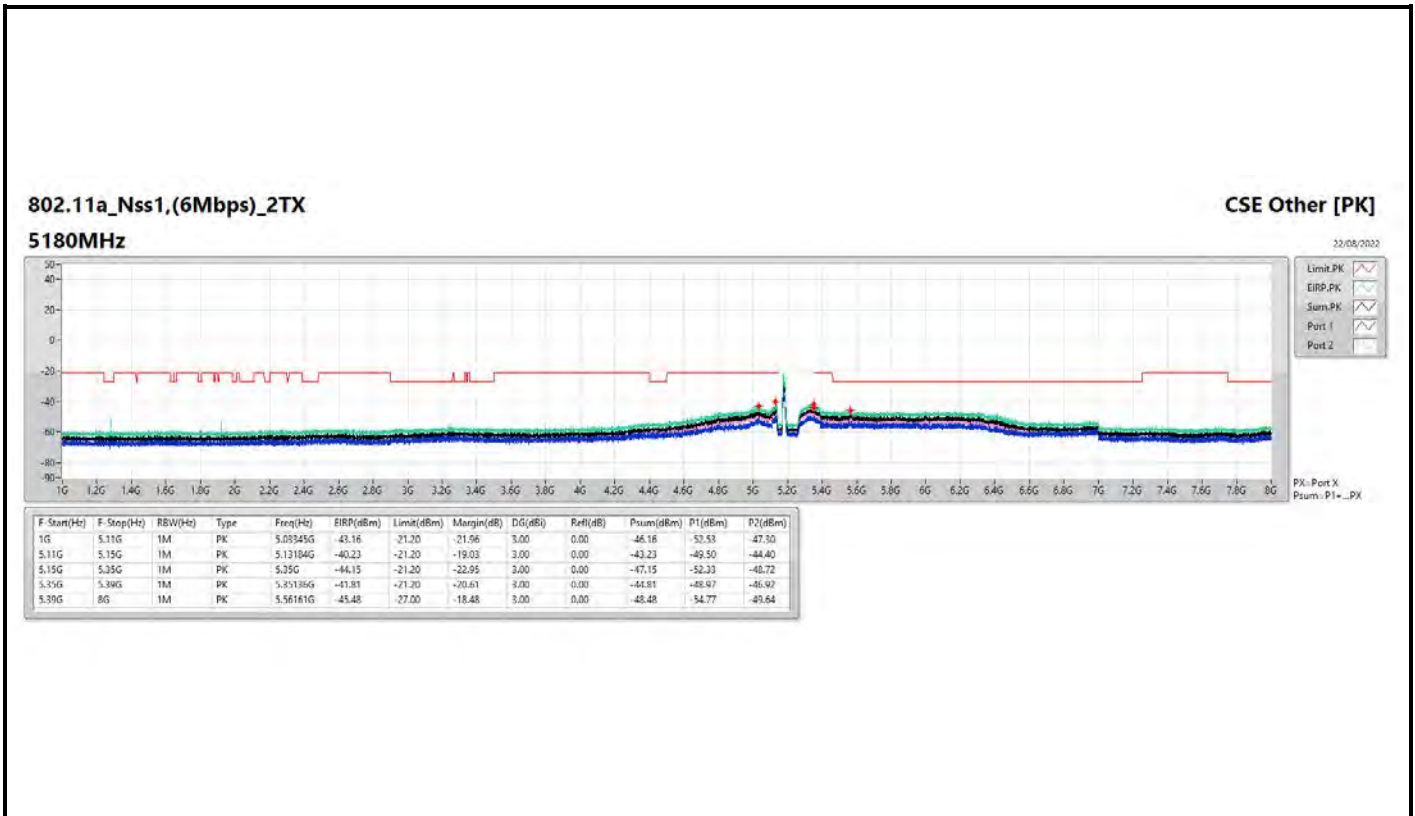


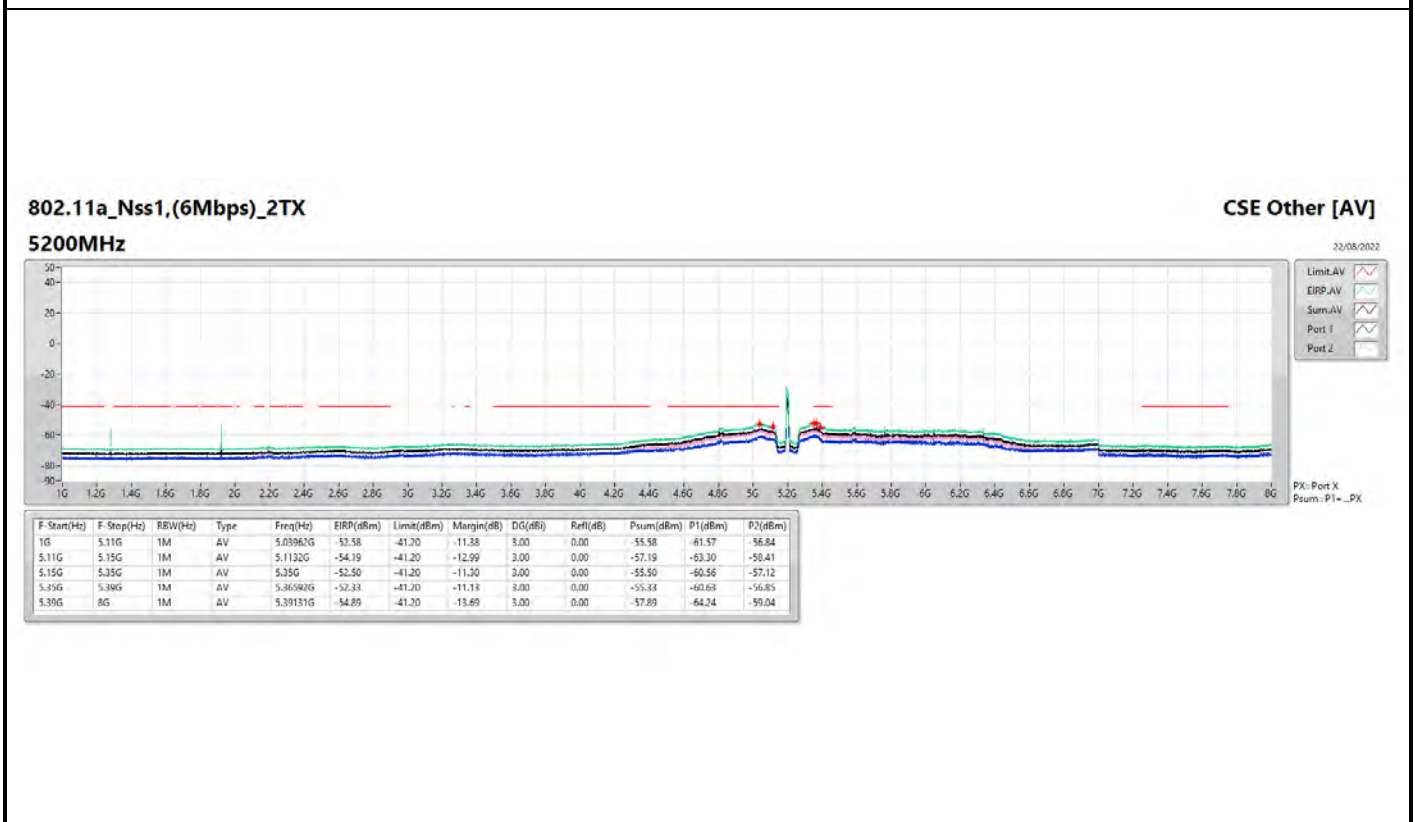
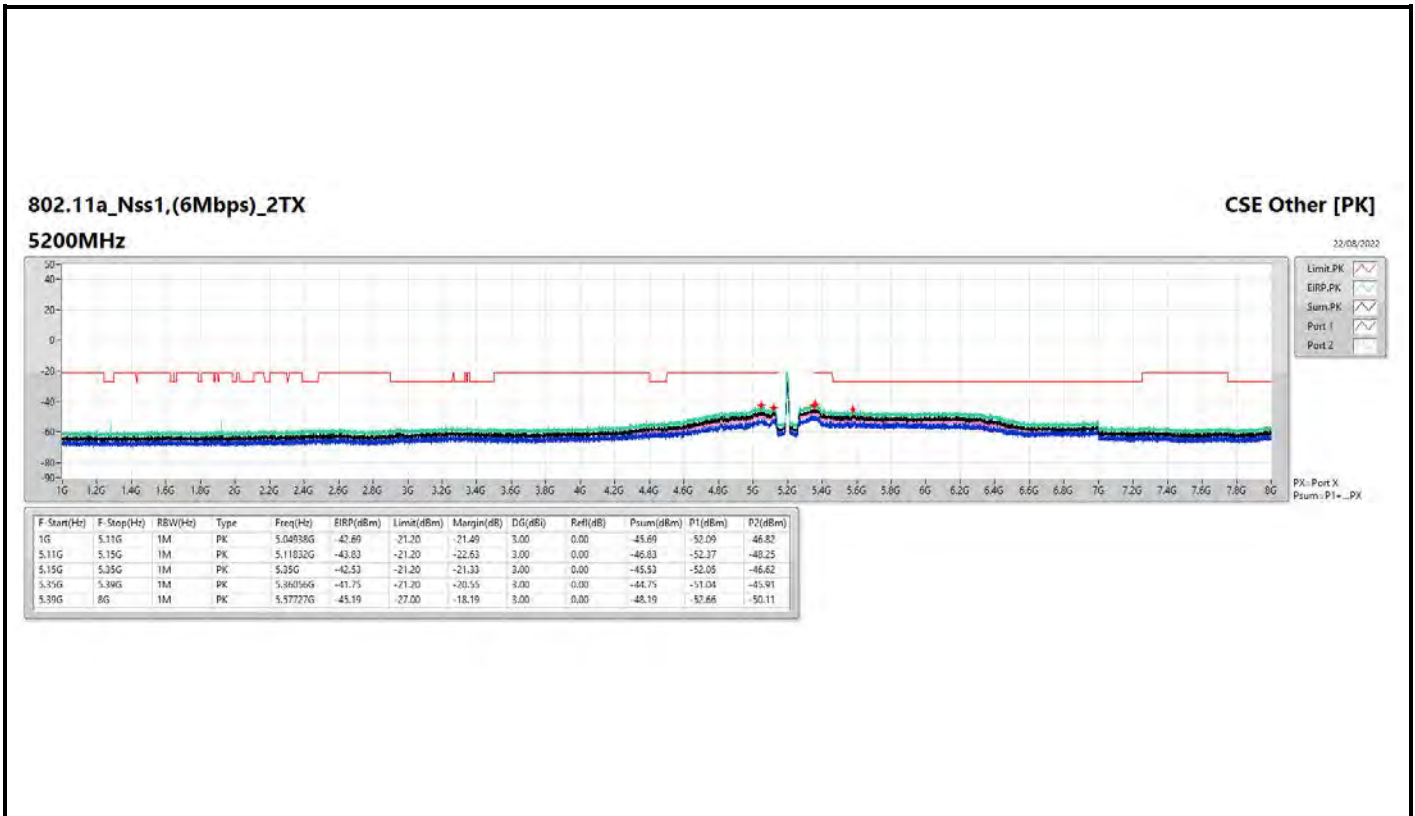
802.11ax HEW80_Nss1,(MCS0)_1TX

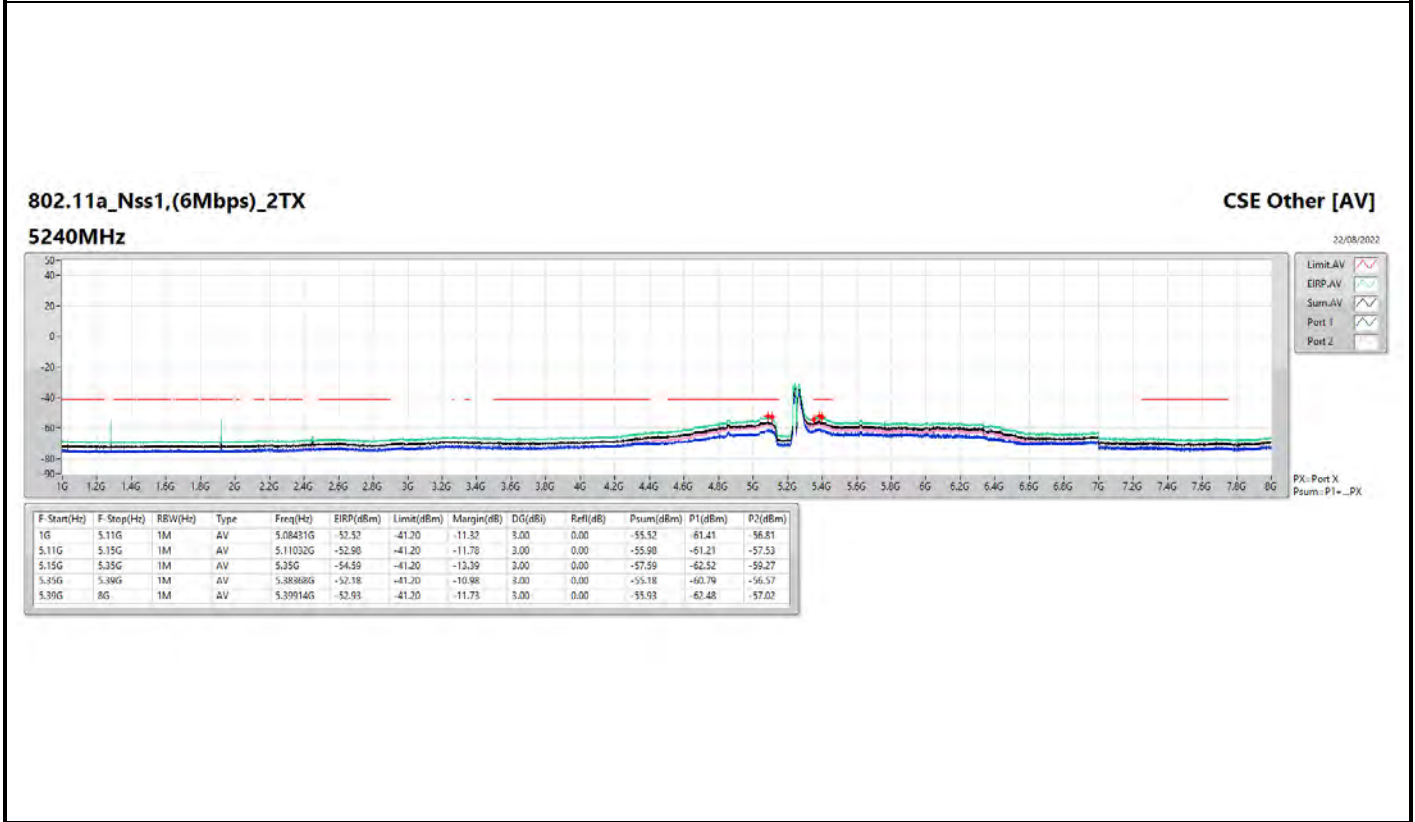
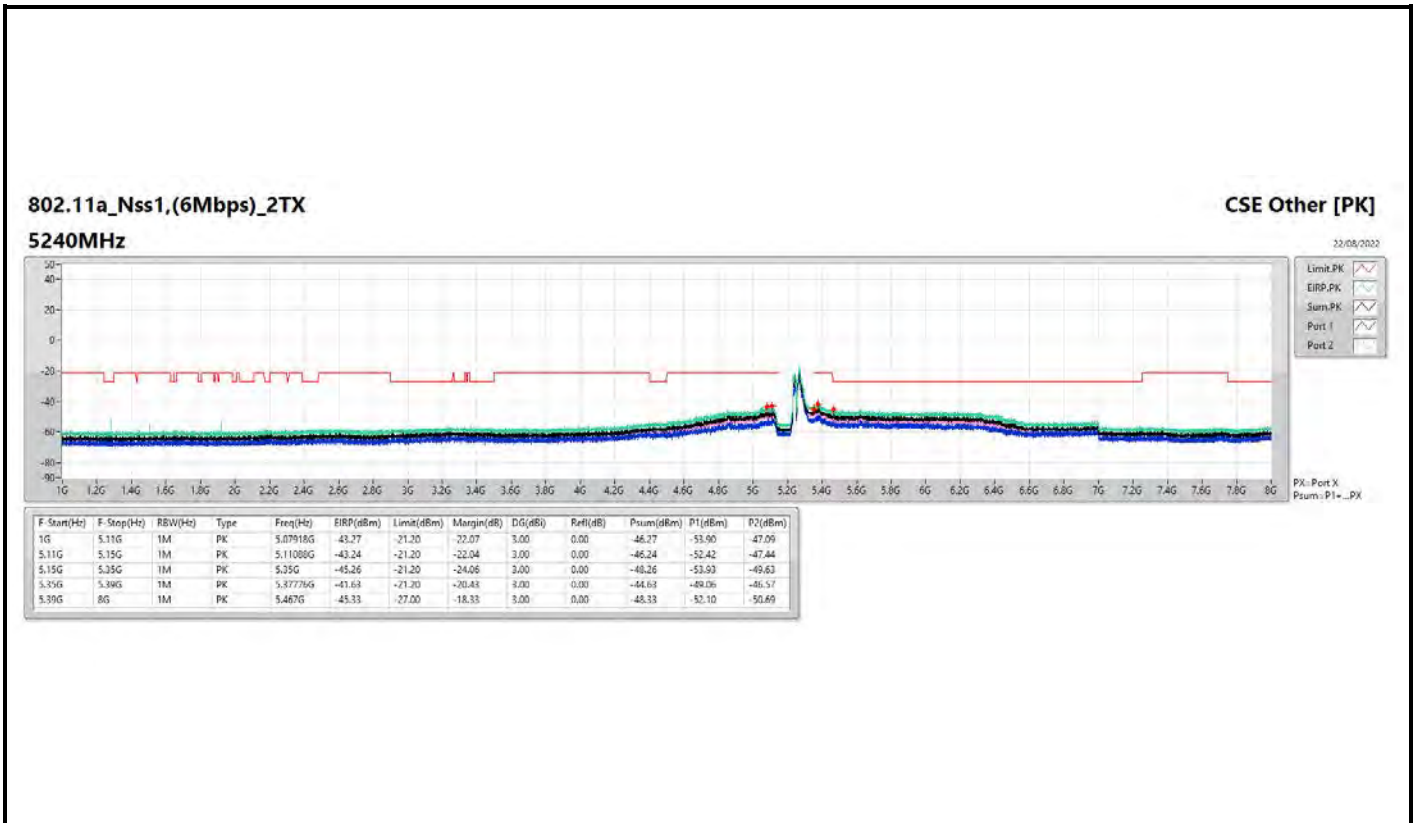
5775MHz

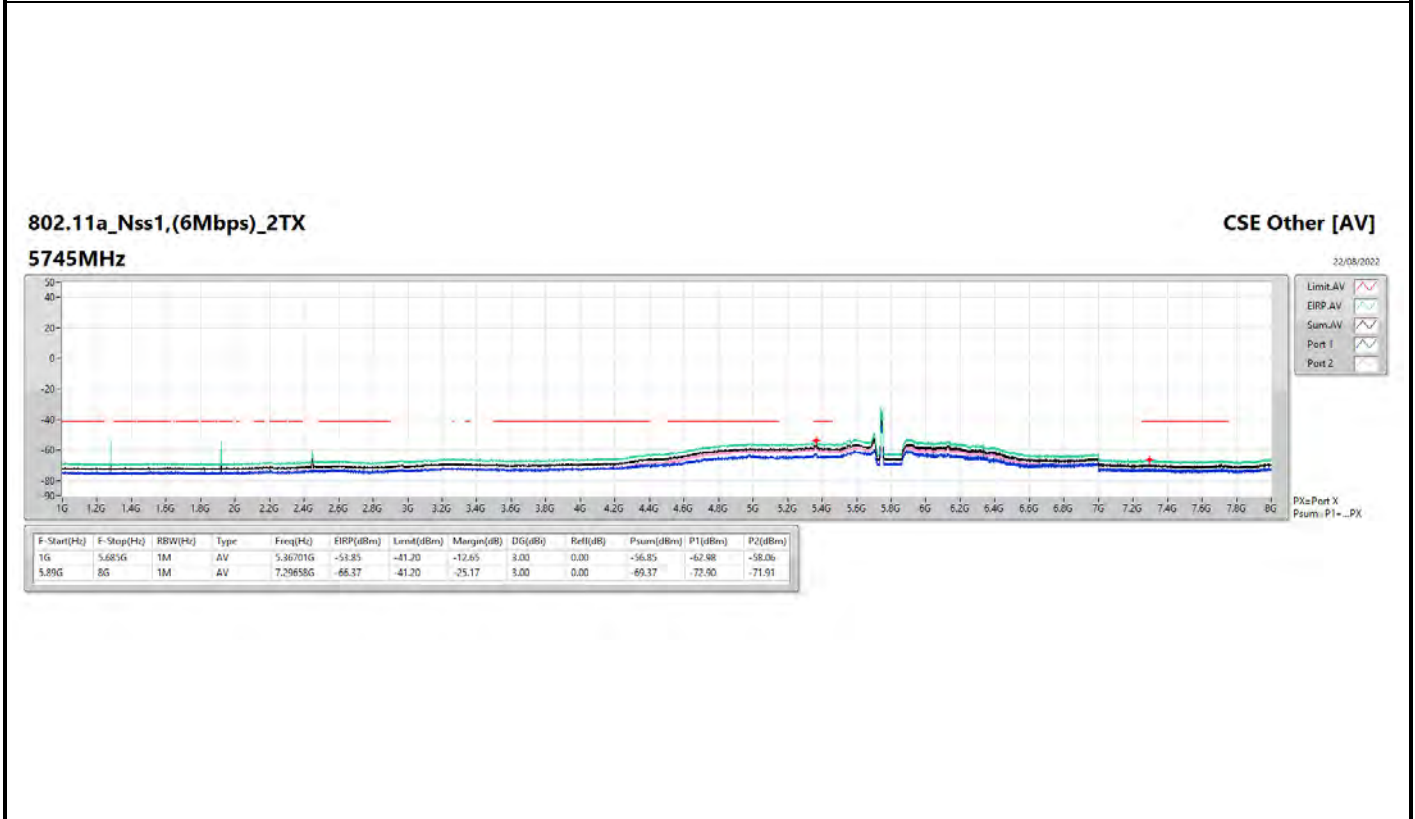
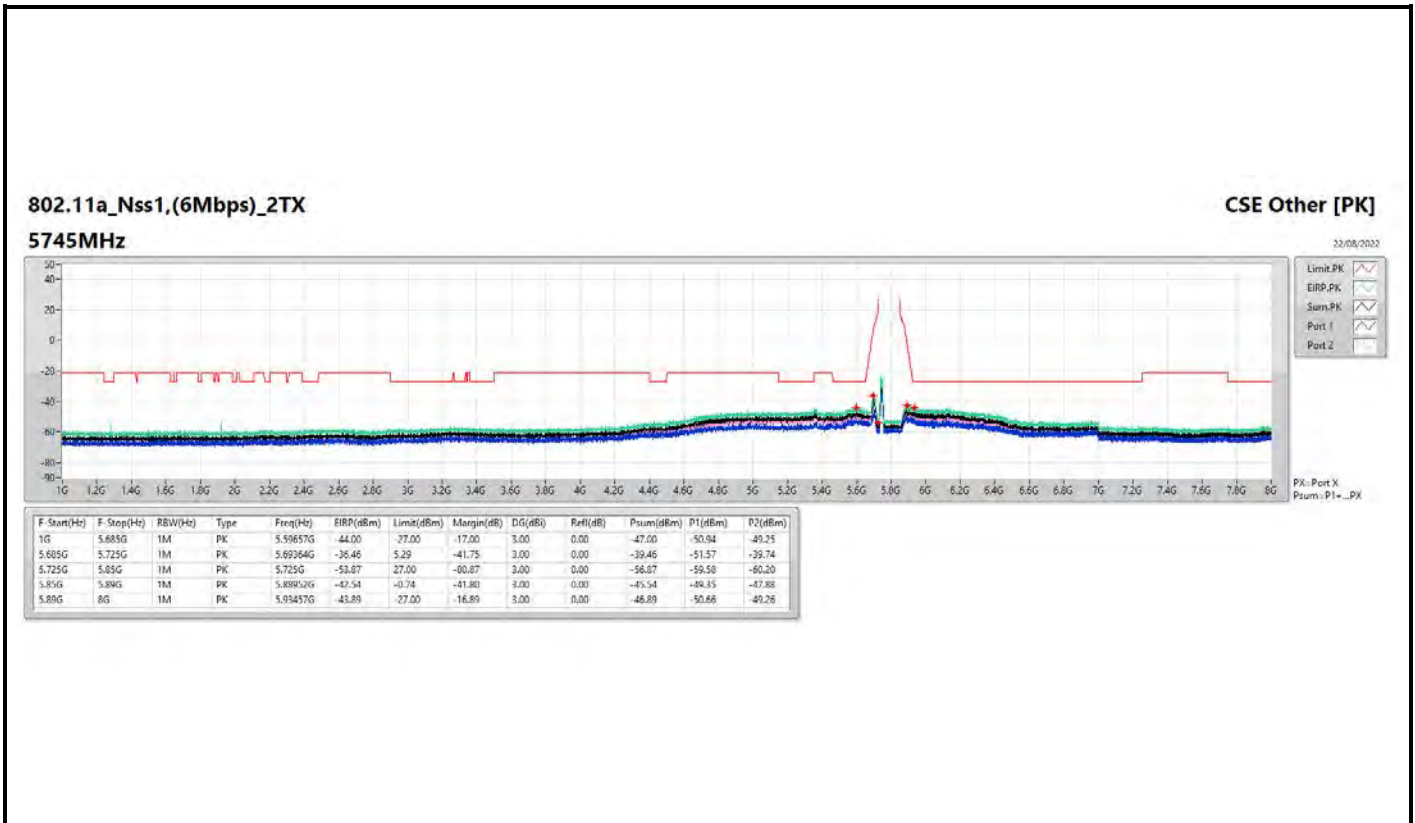
CSE Other [AV]

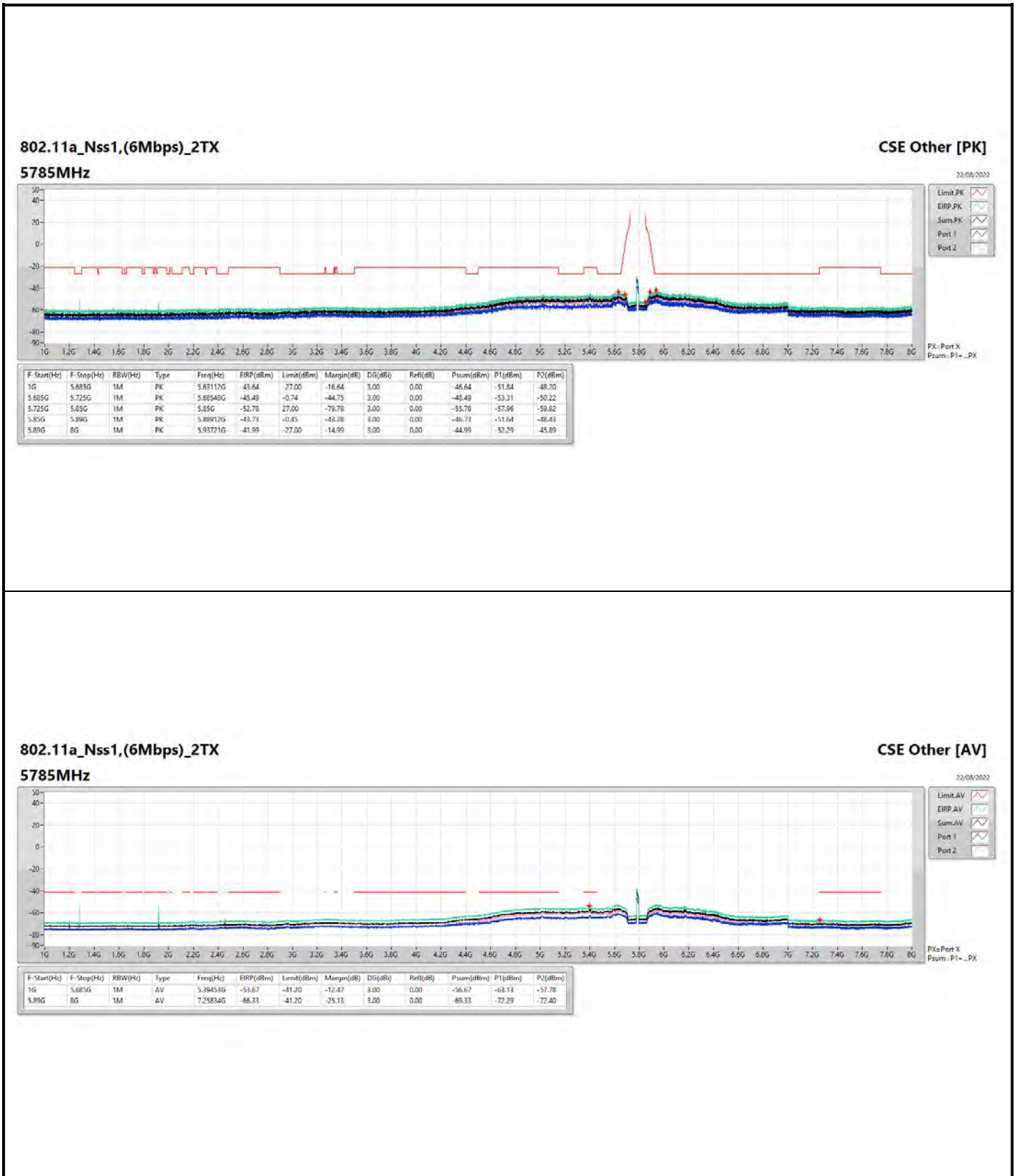
22/08/2022

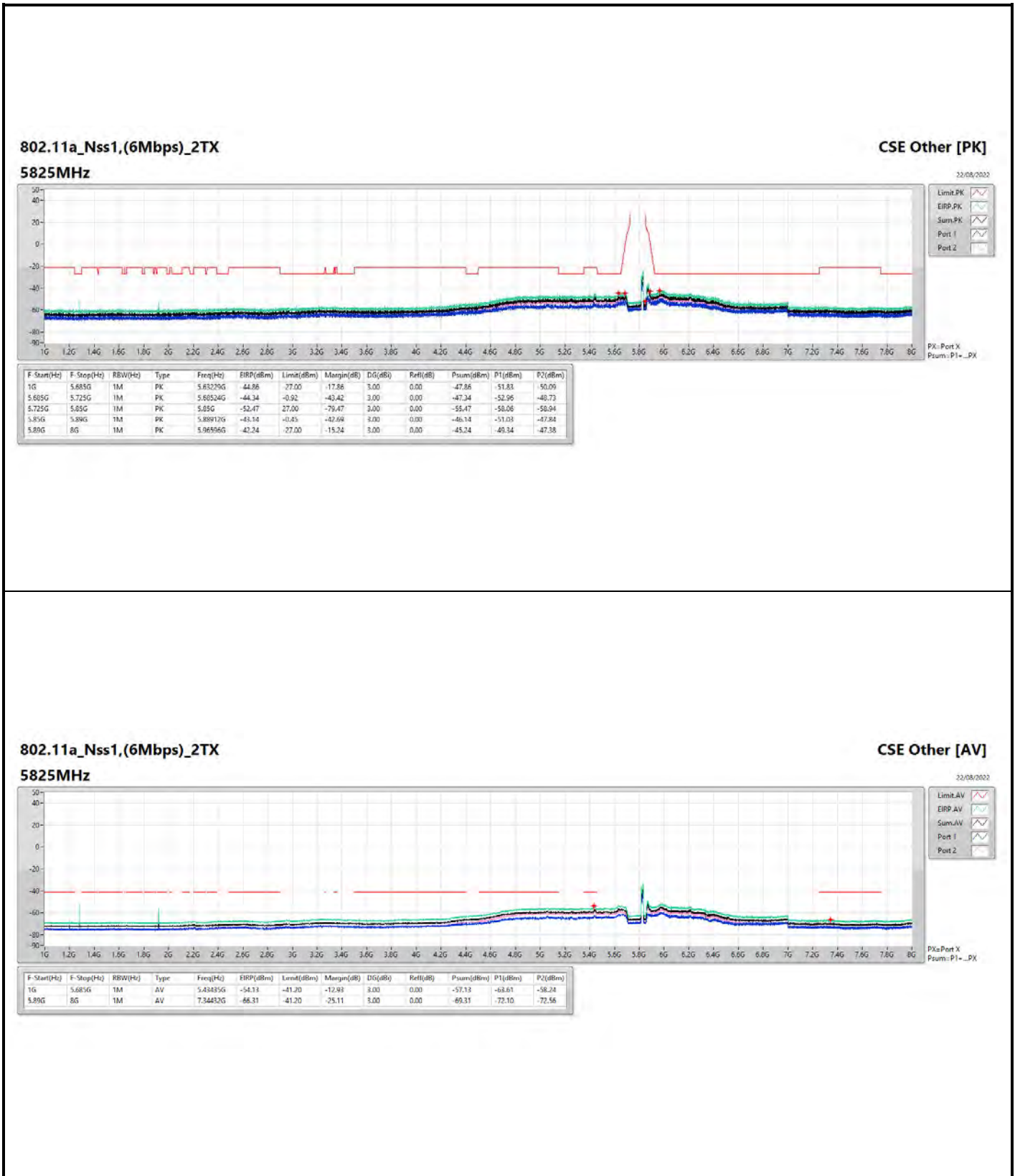


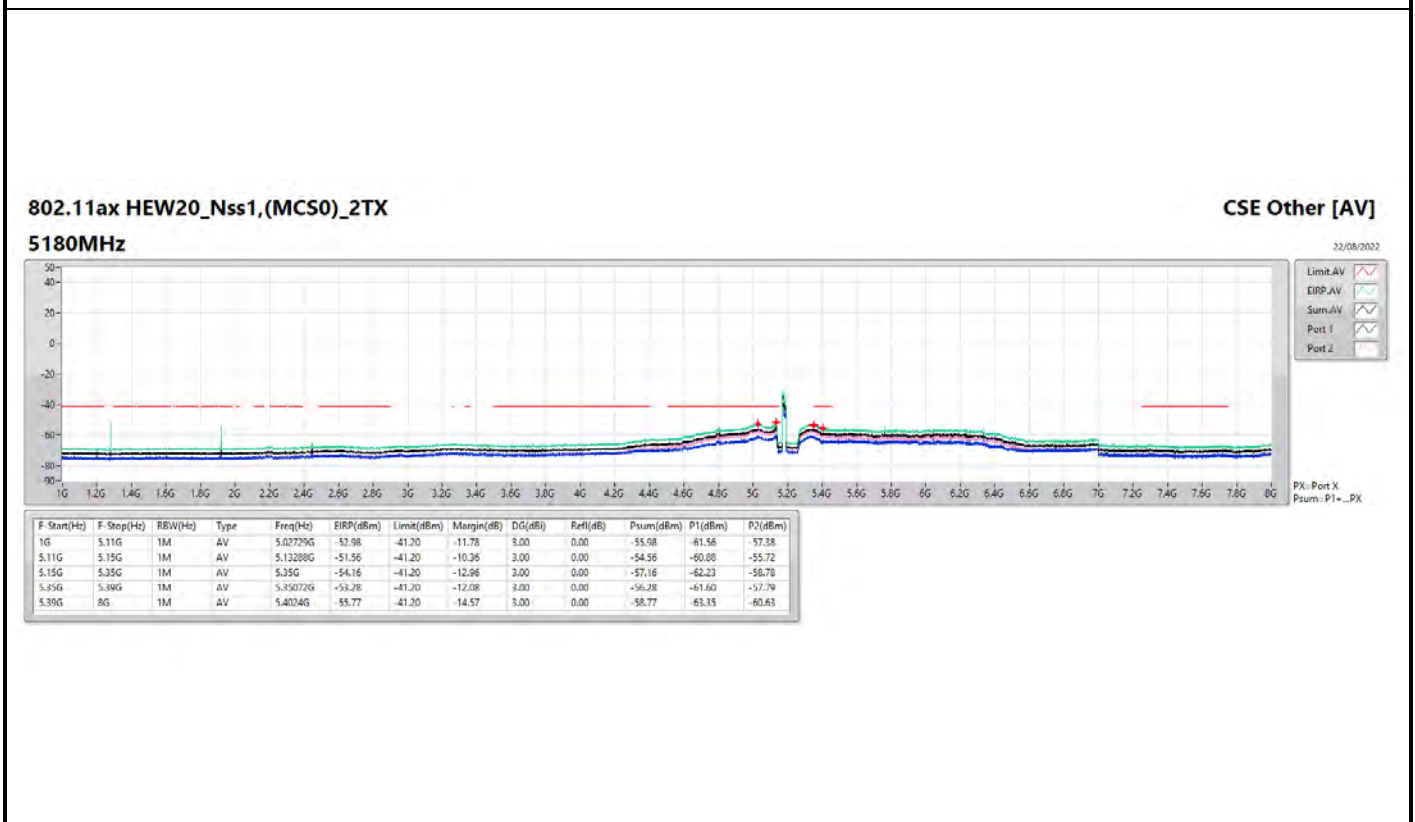
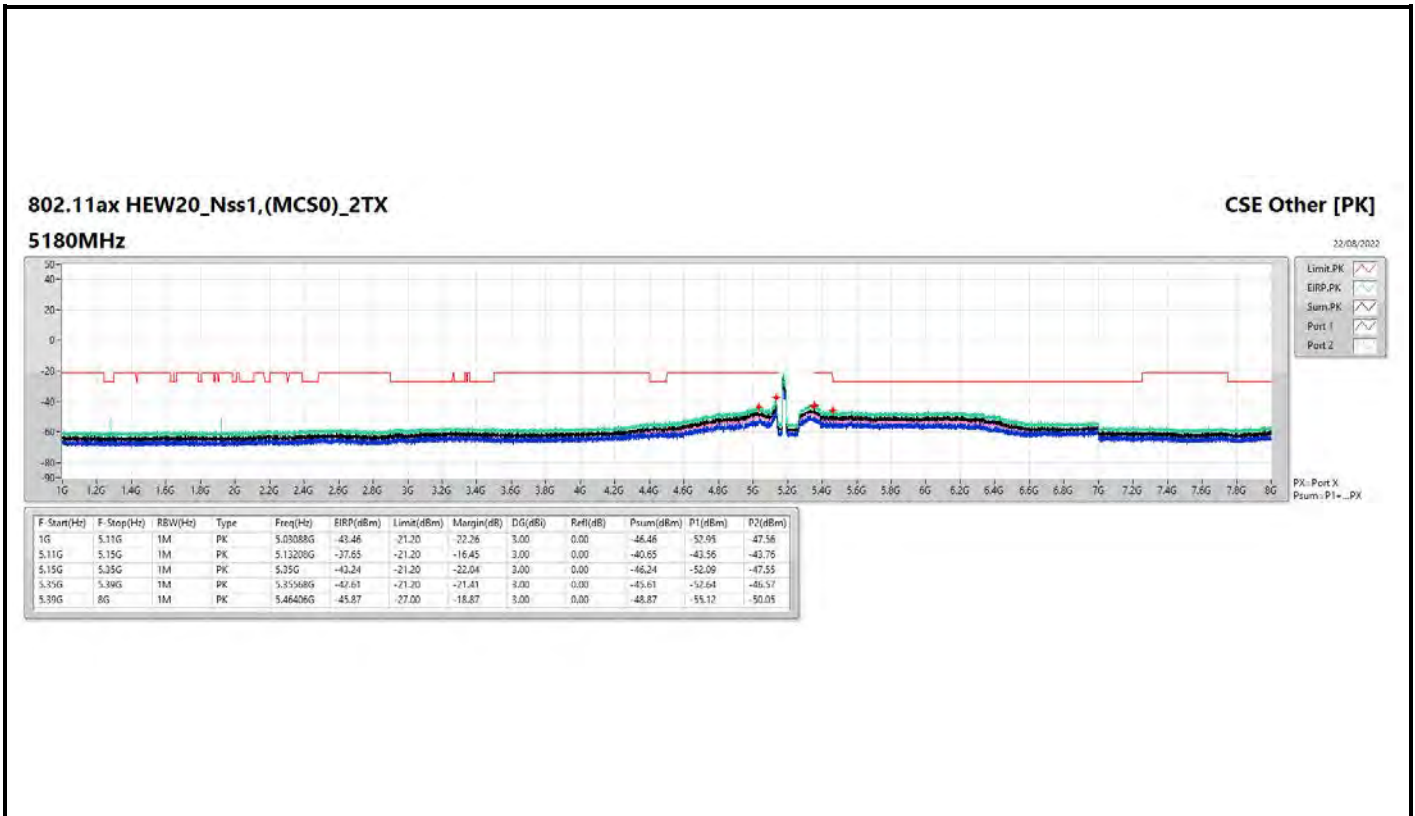


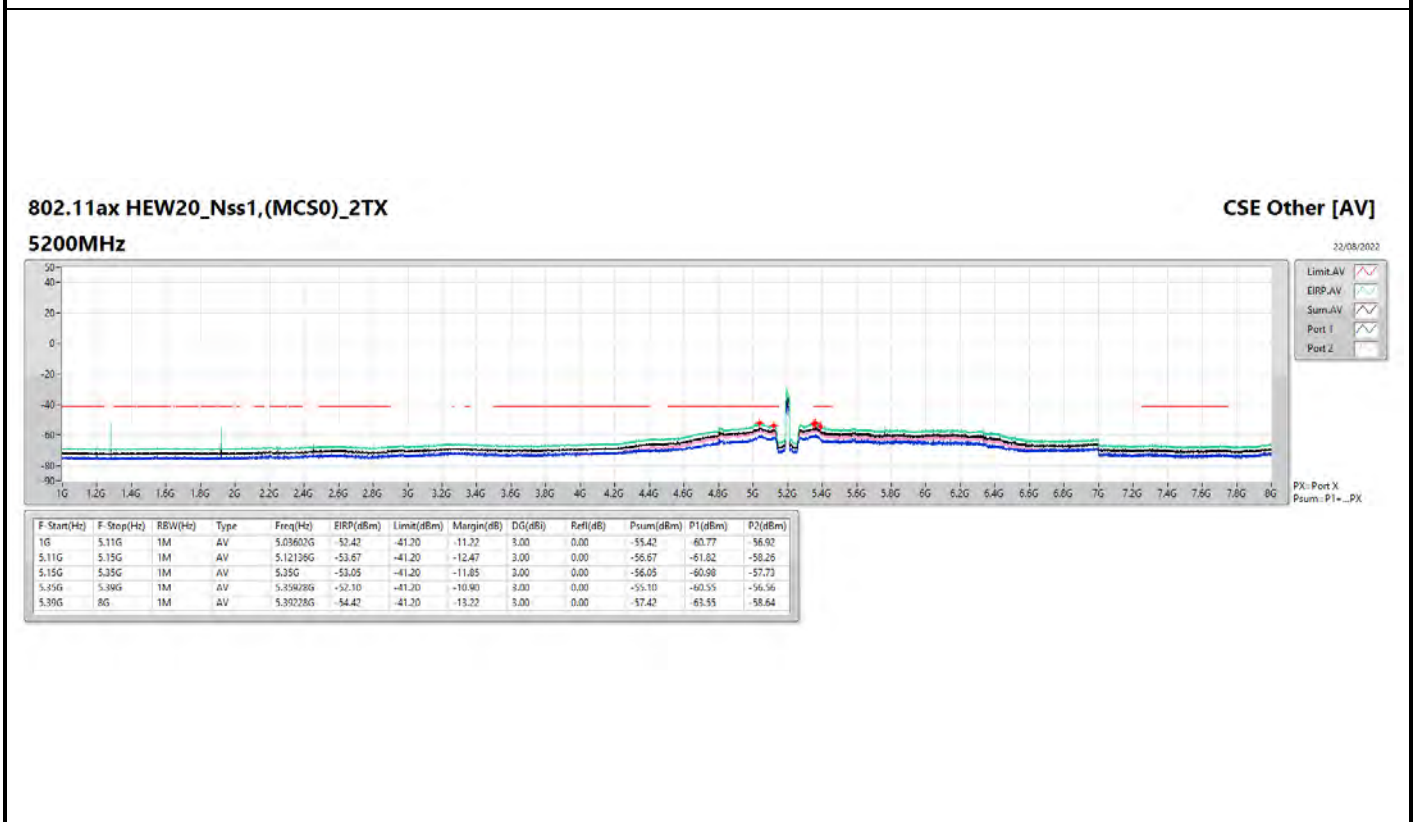
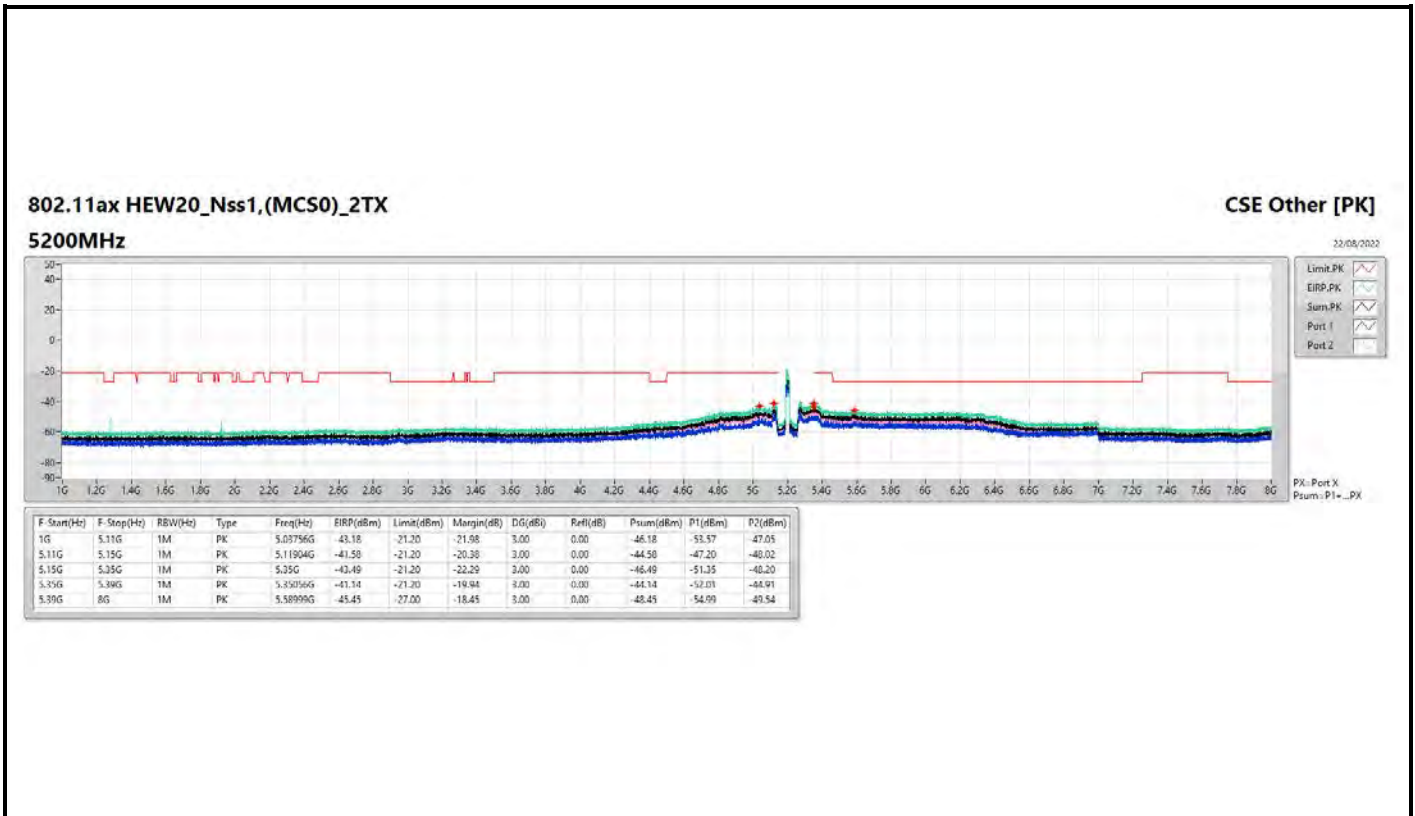


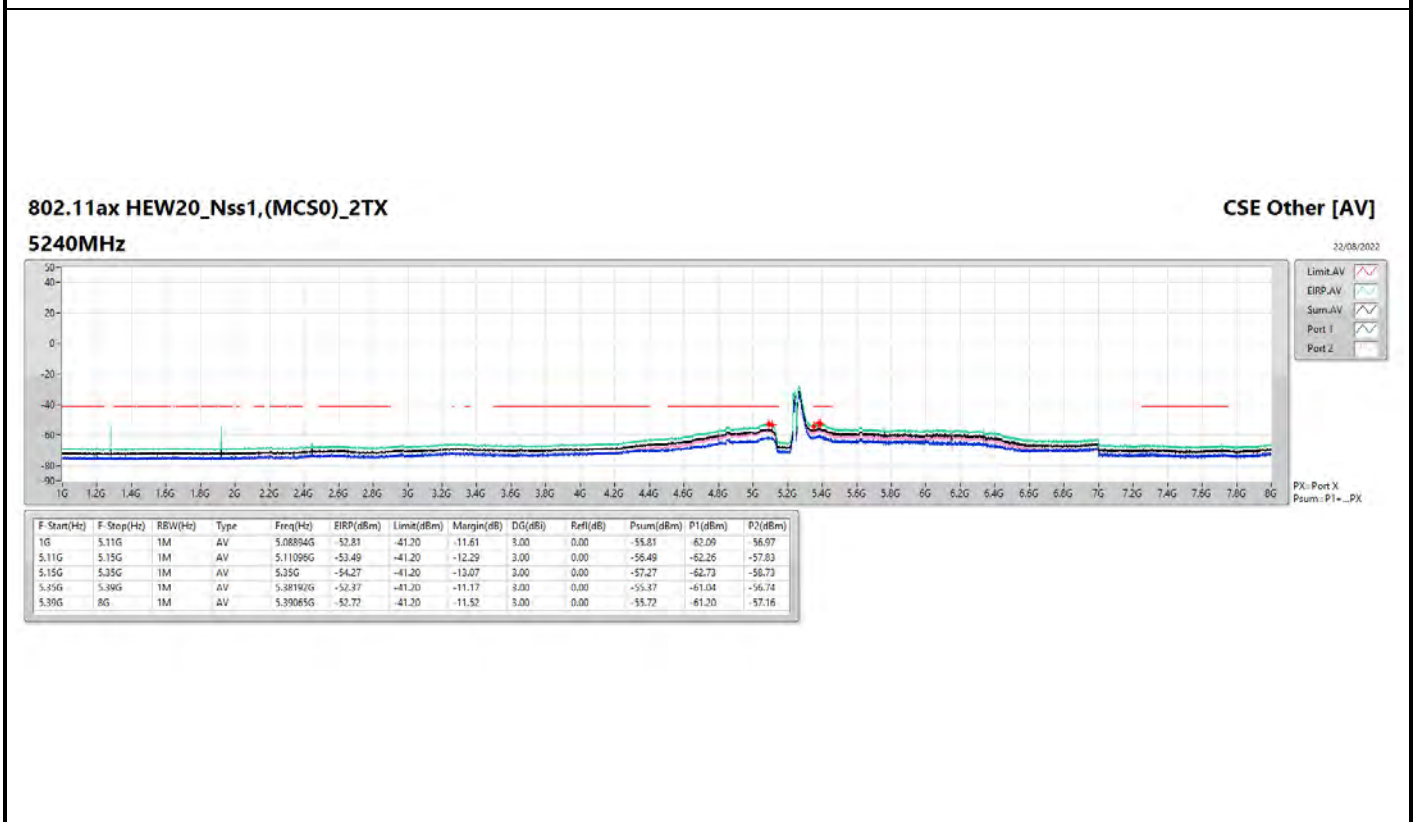
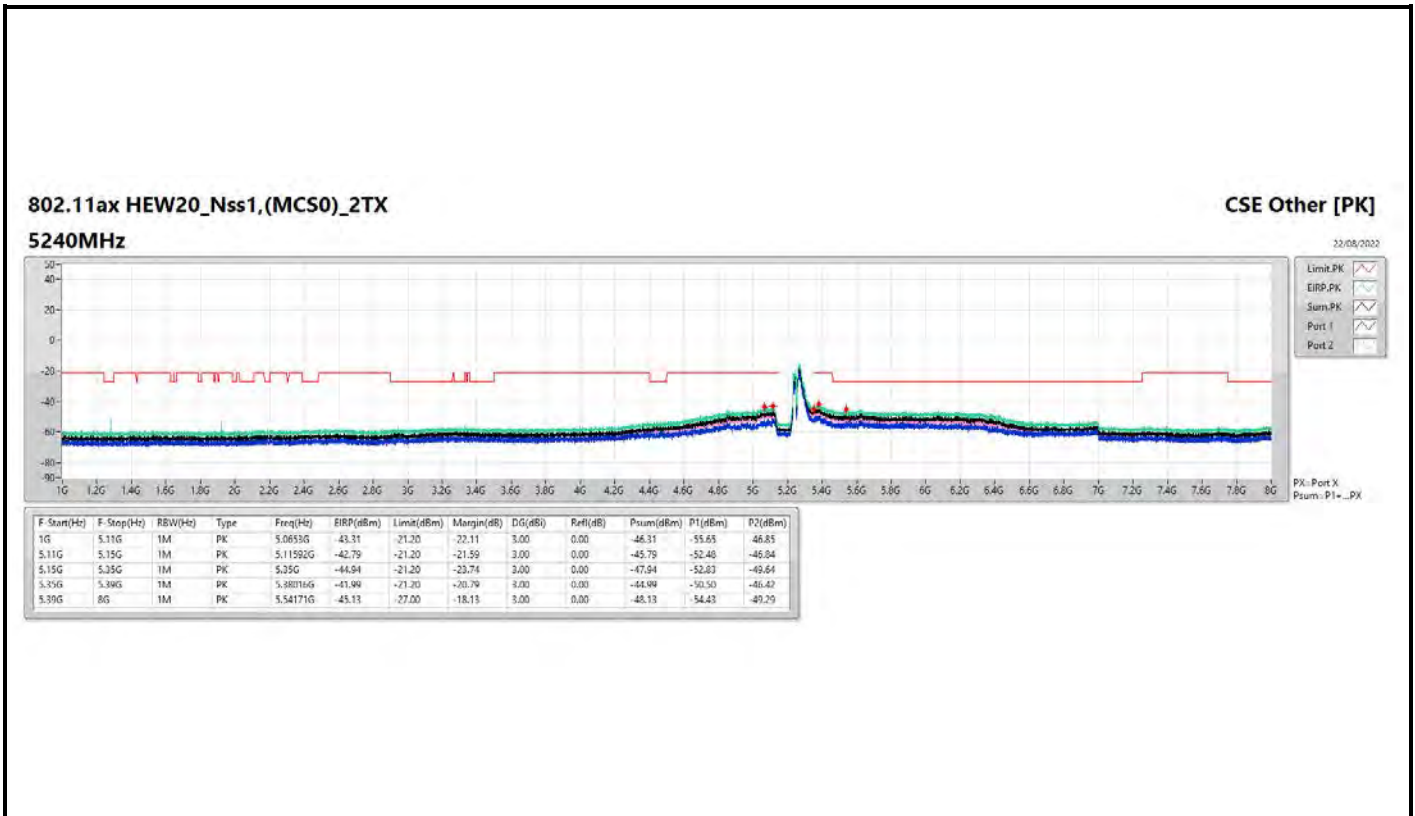


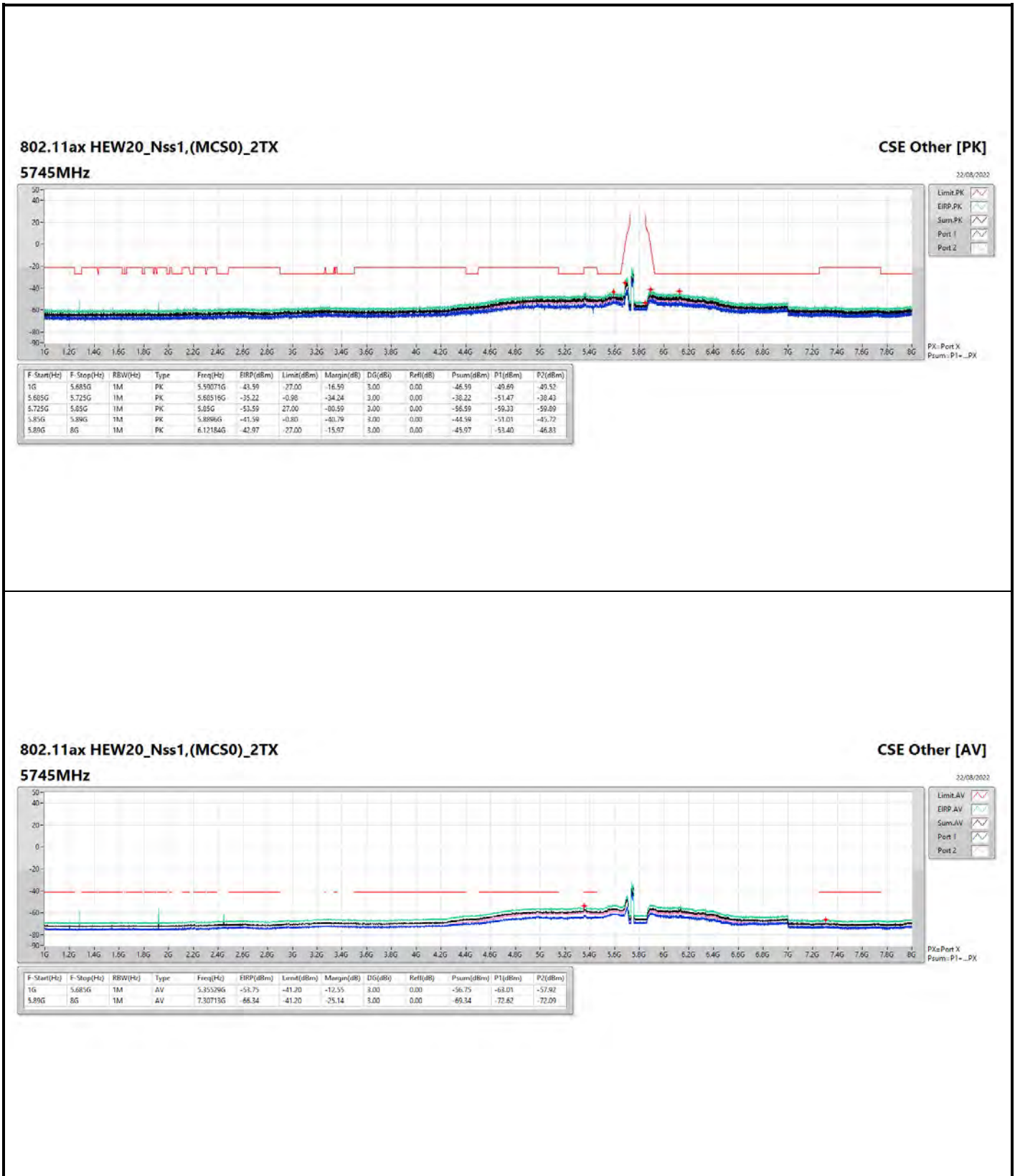


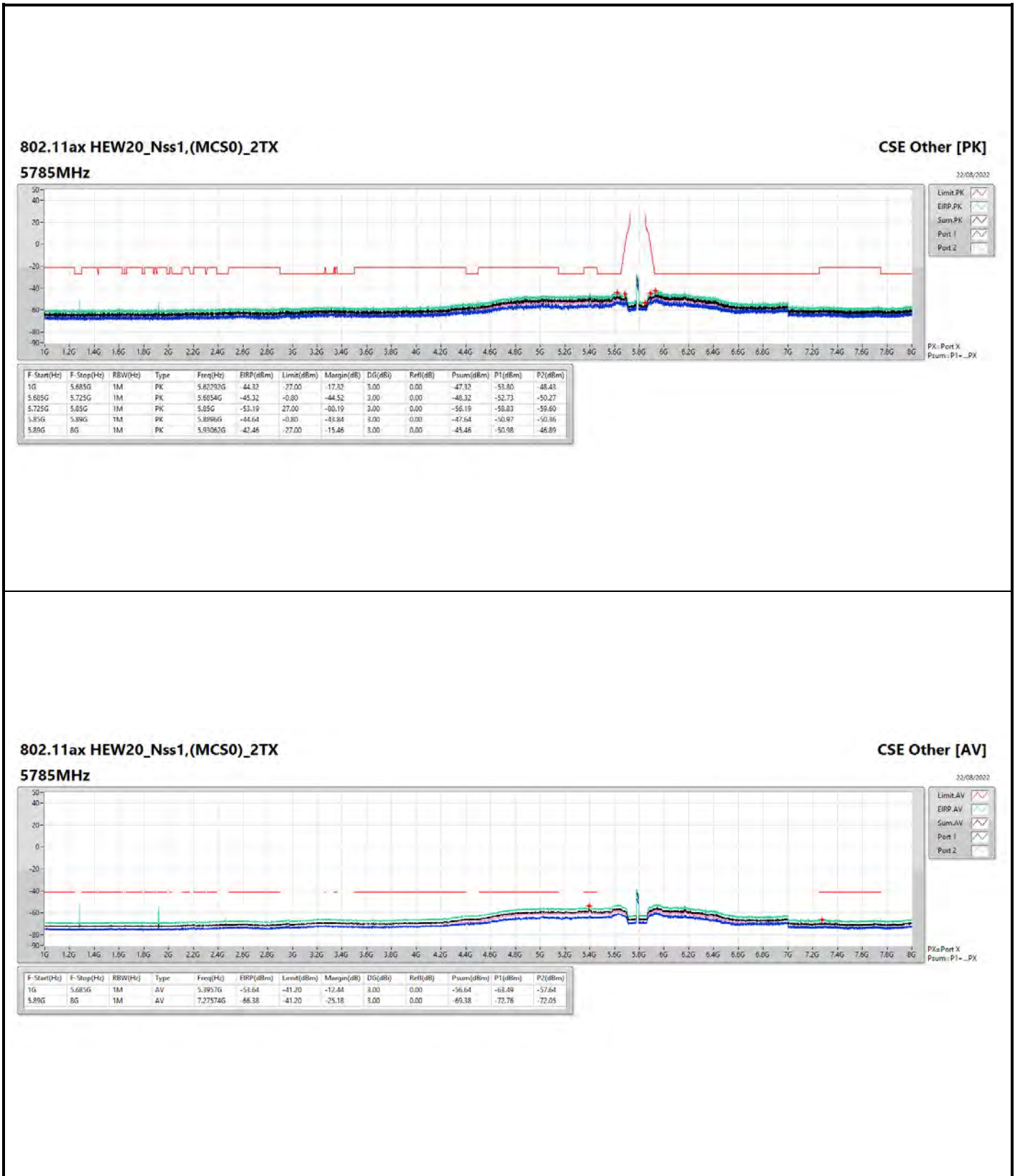


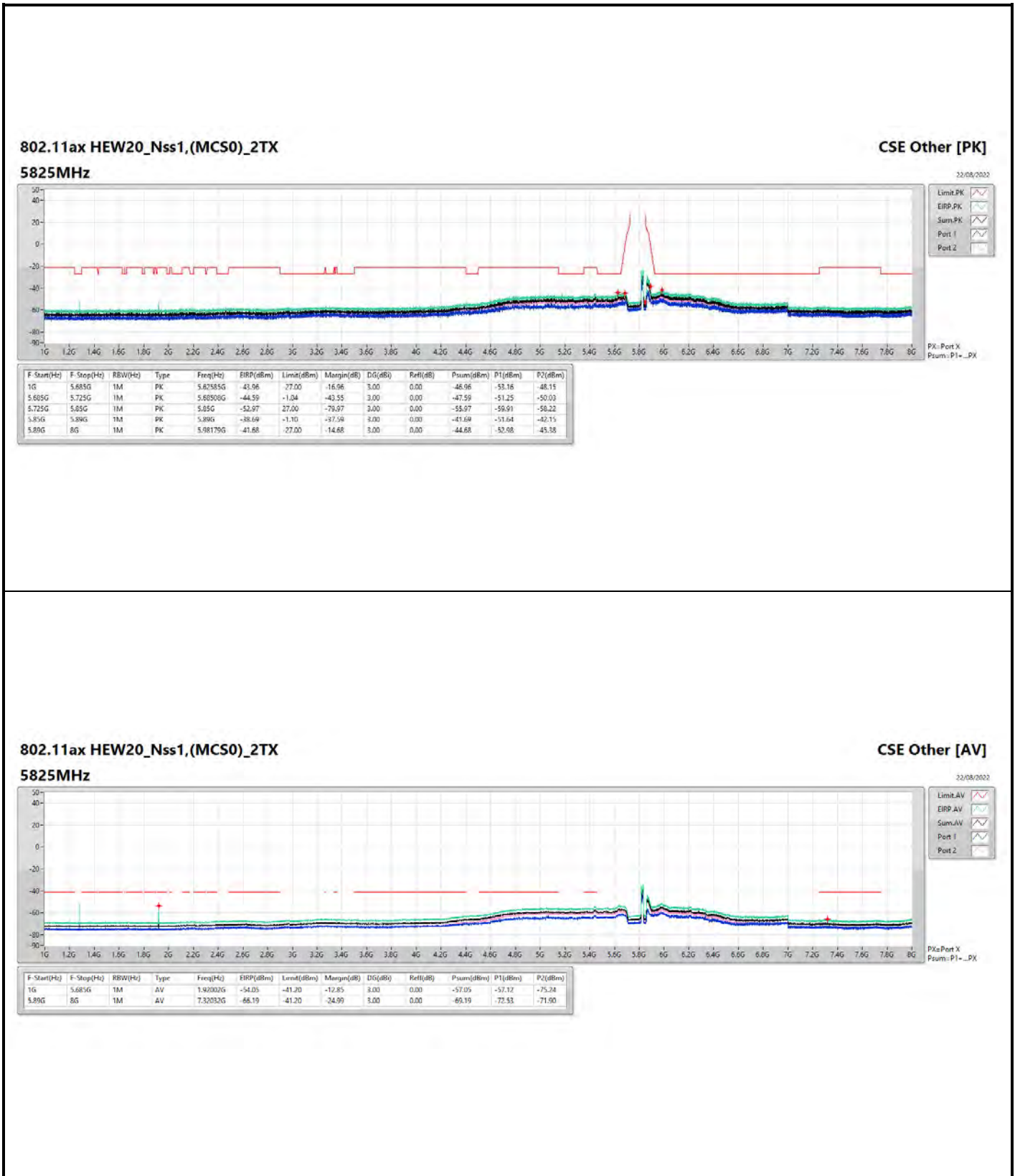


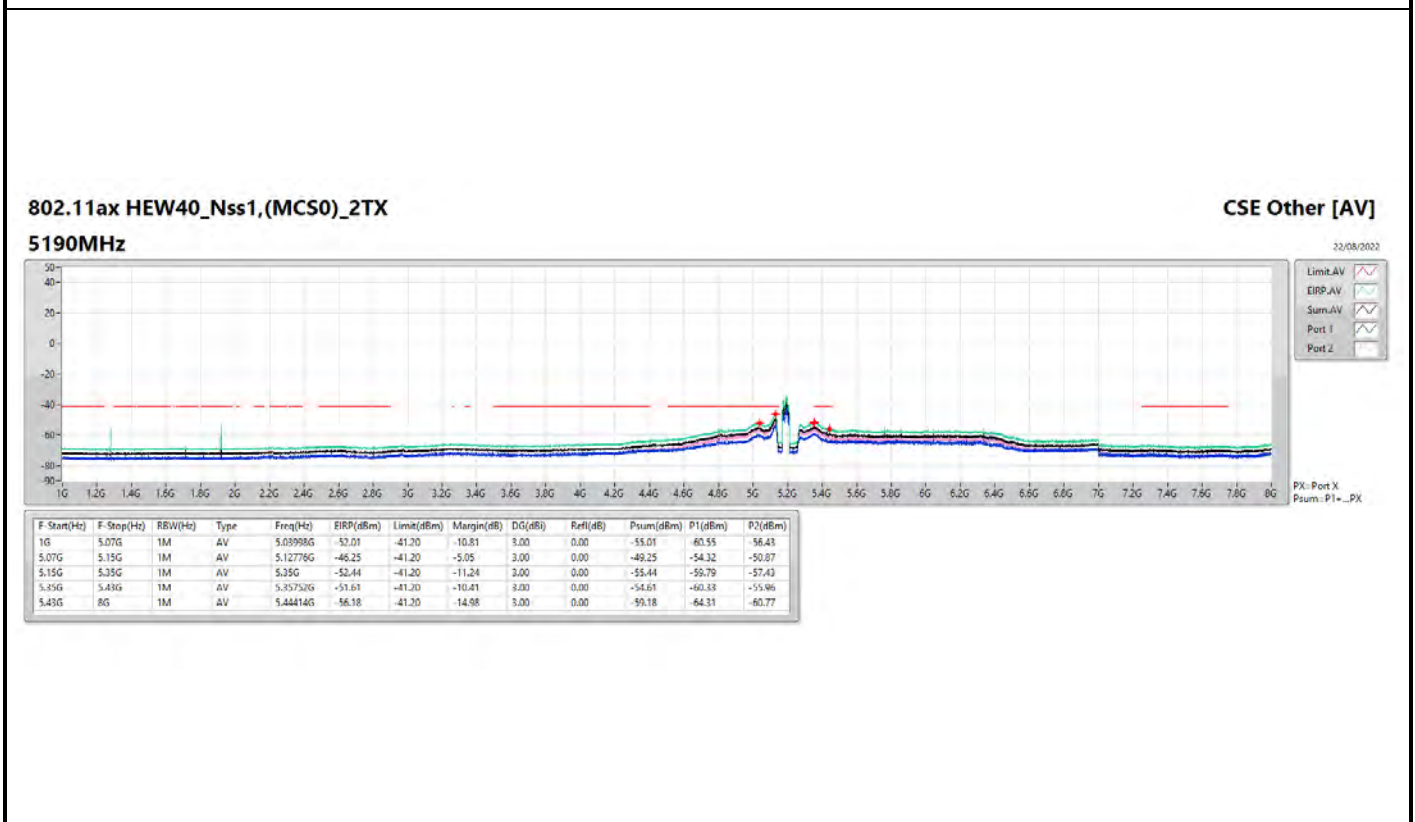
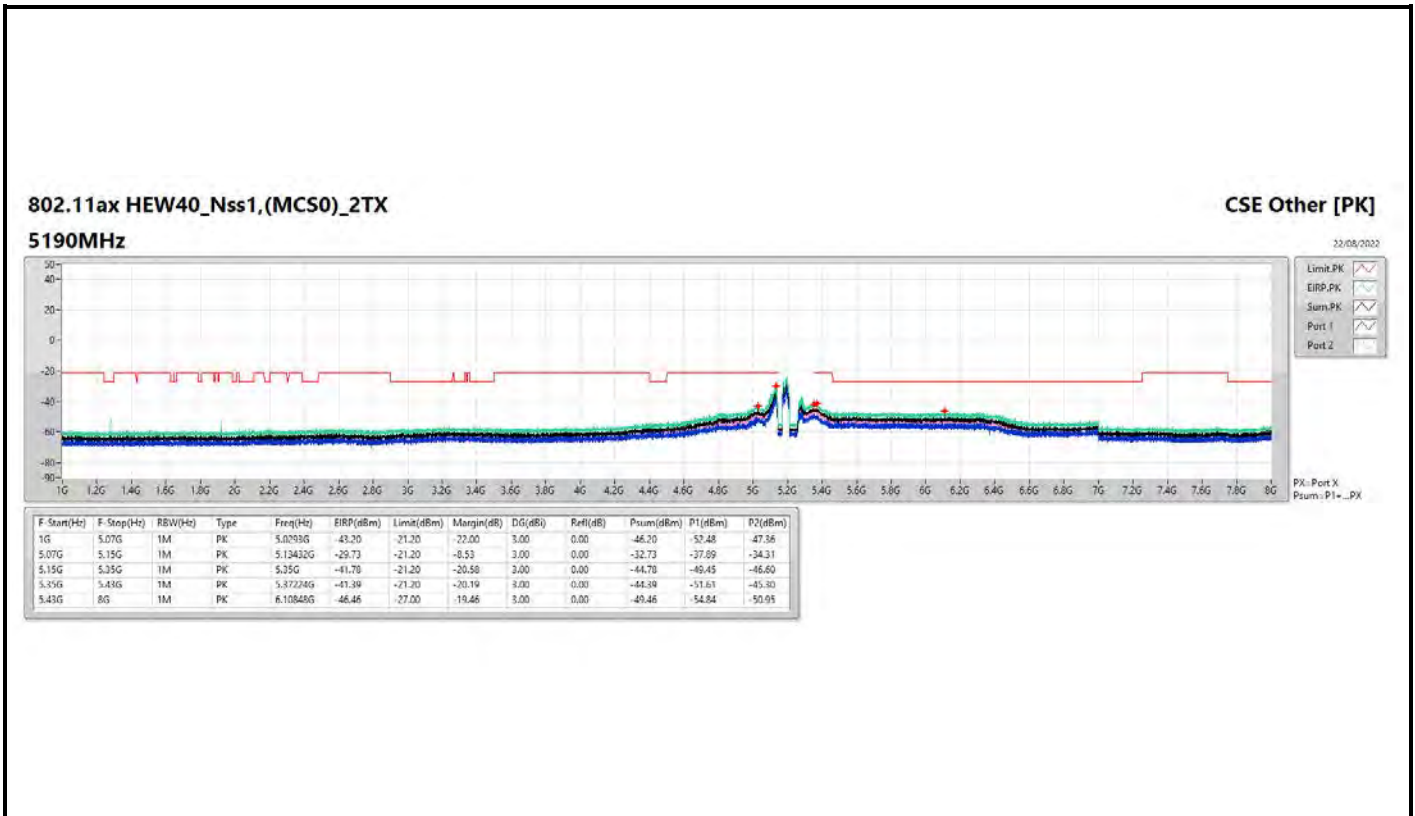


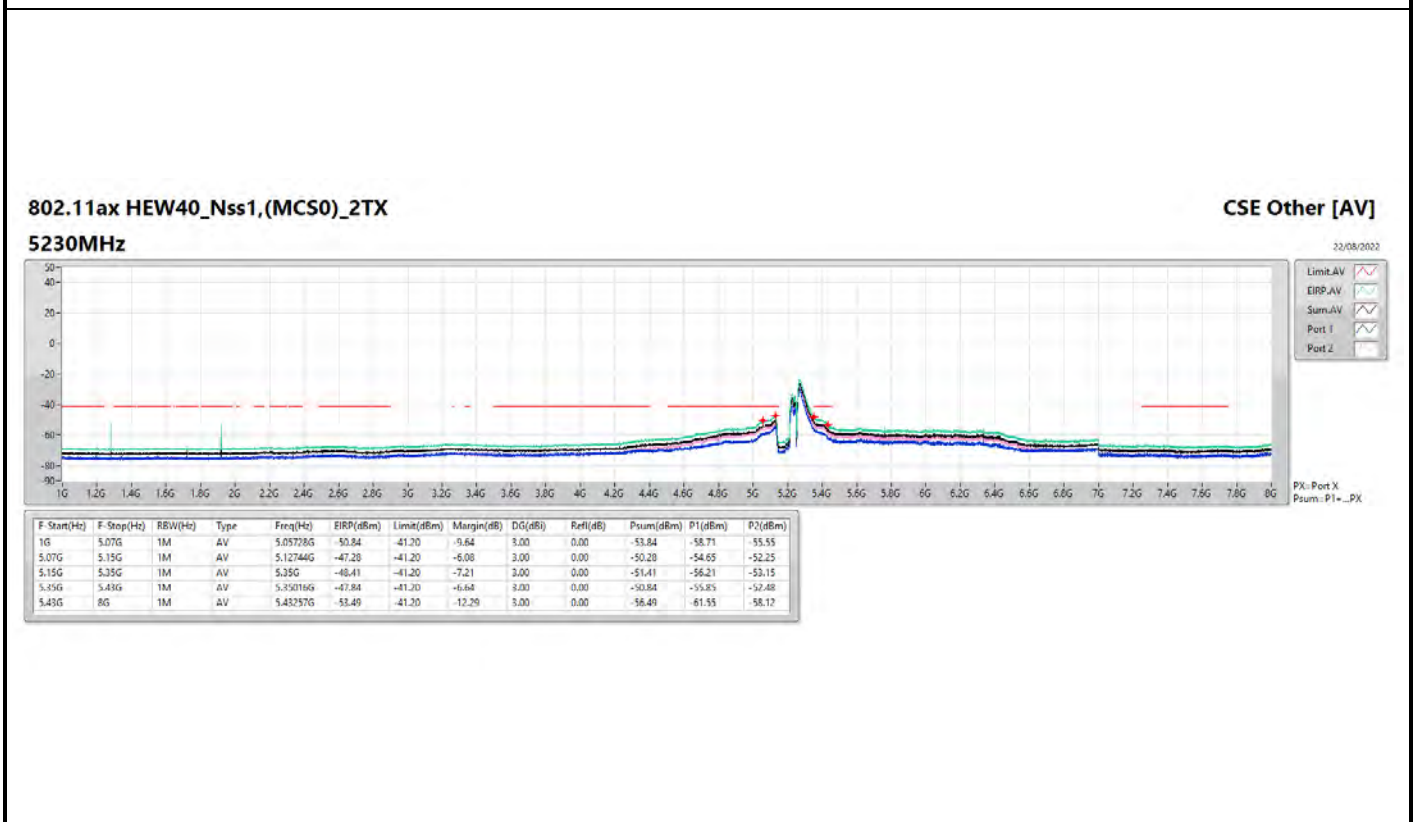
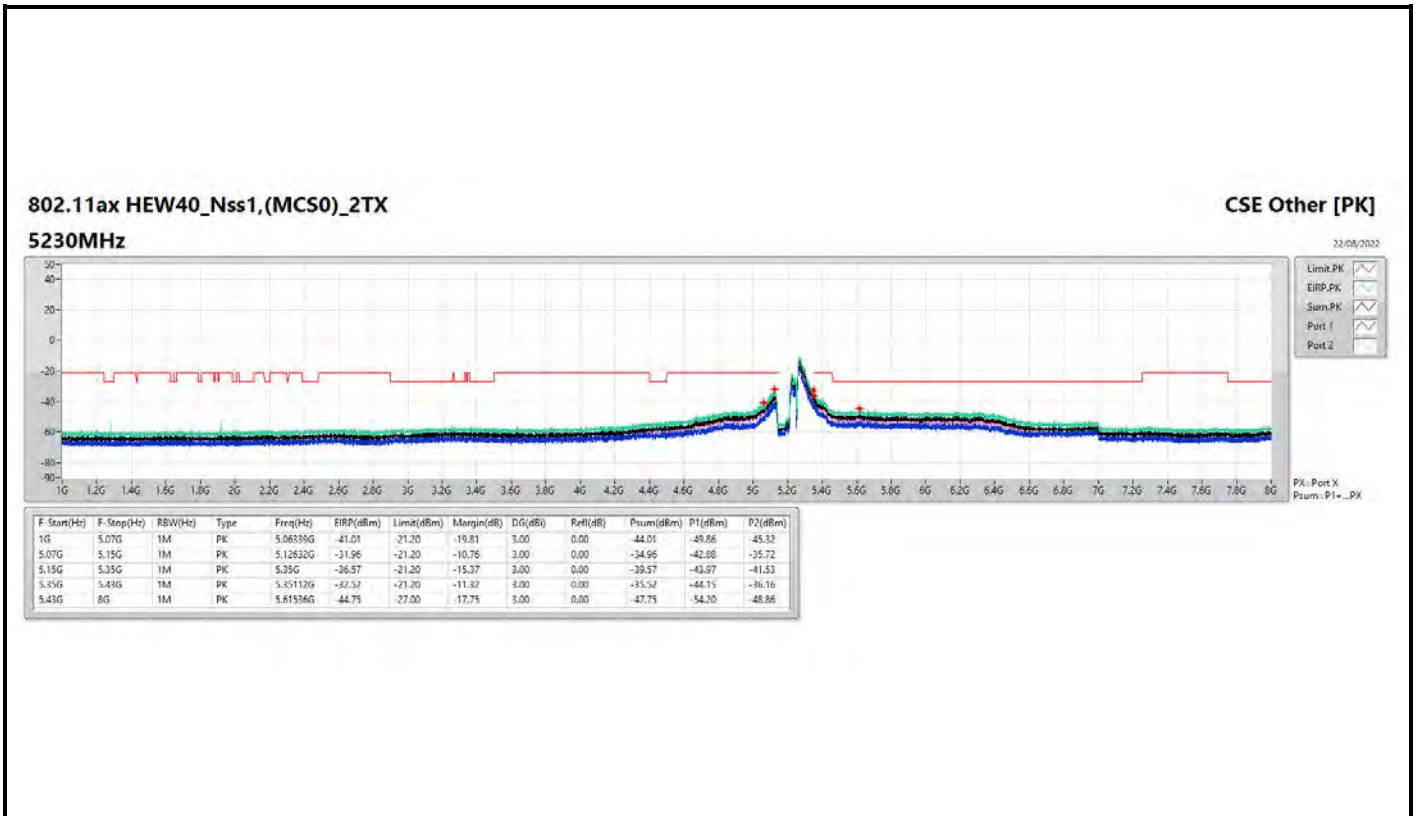


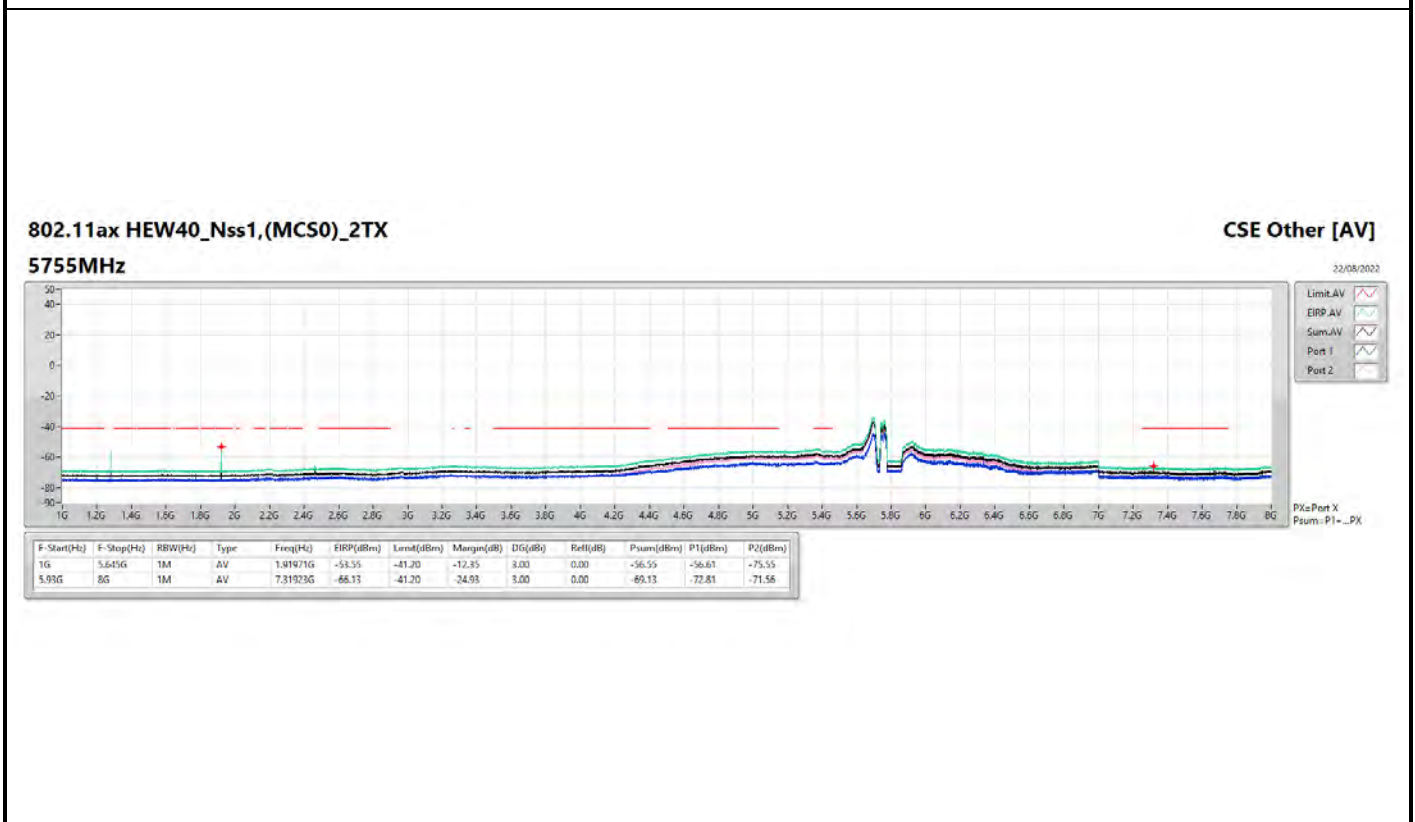
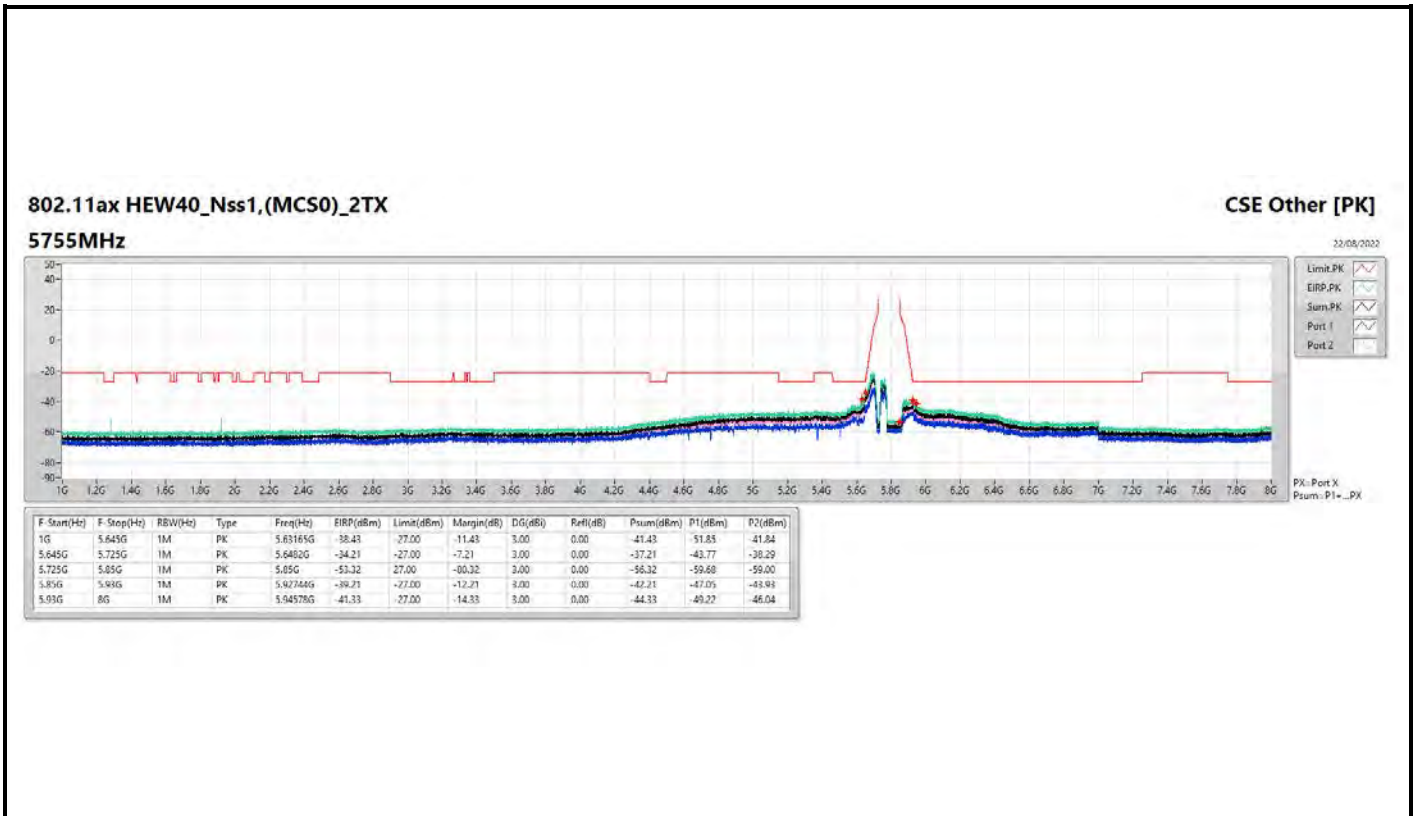


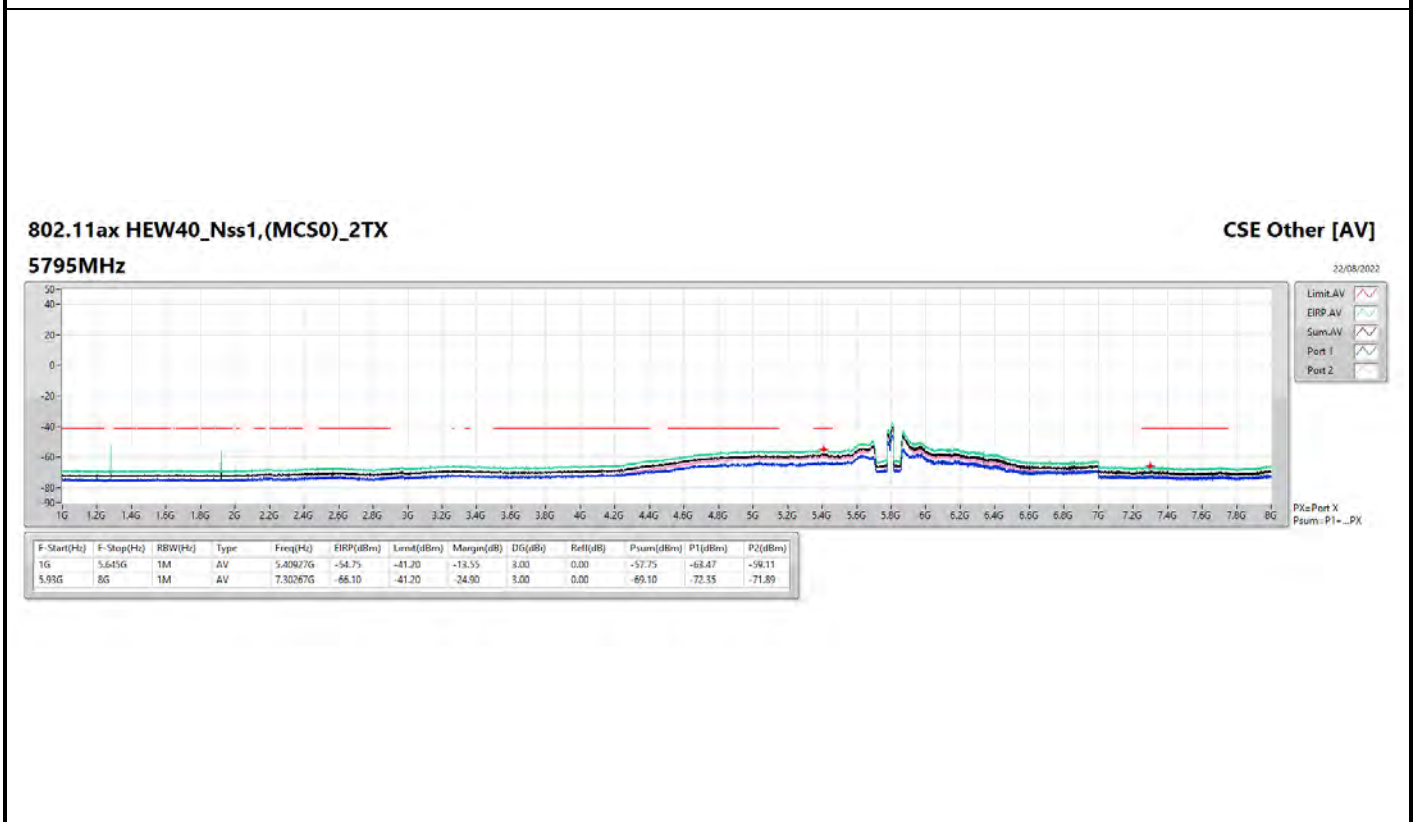
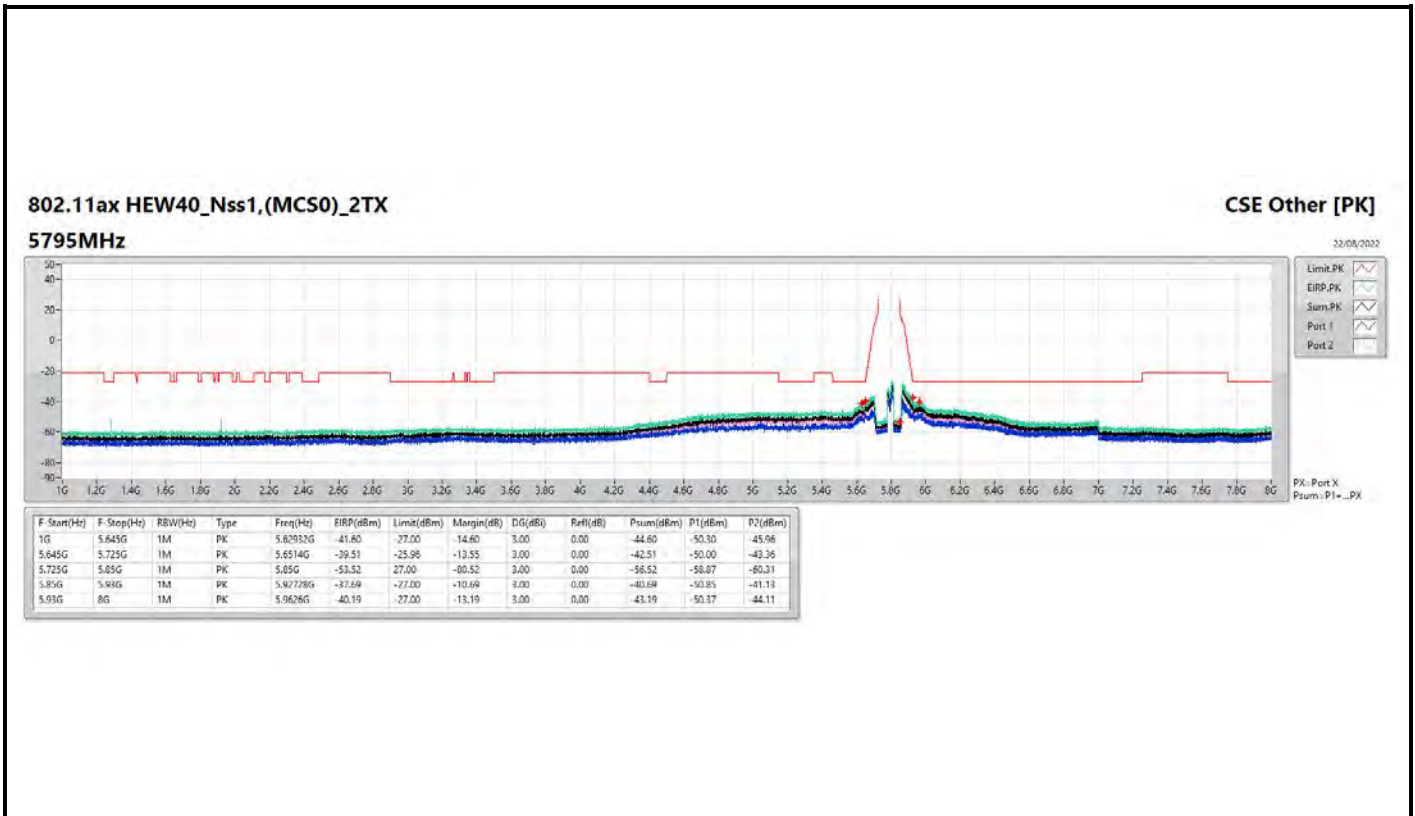


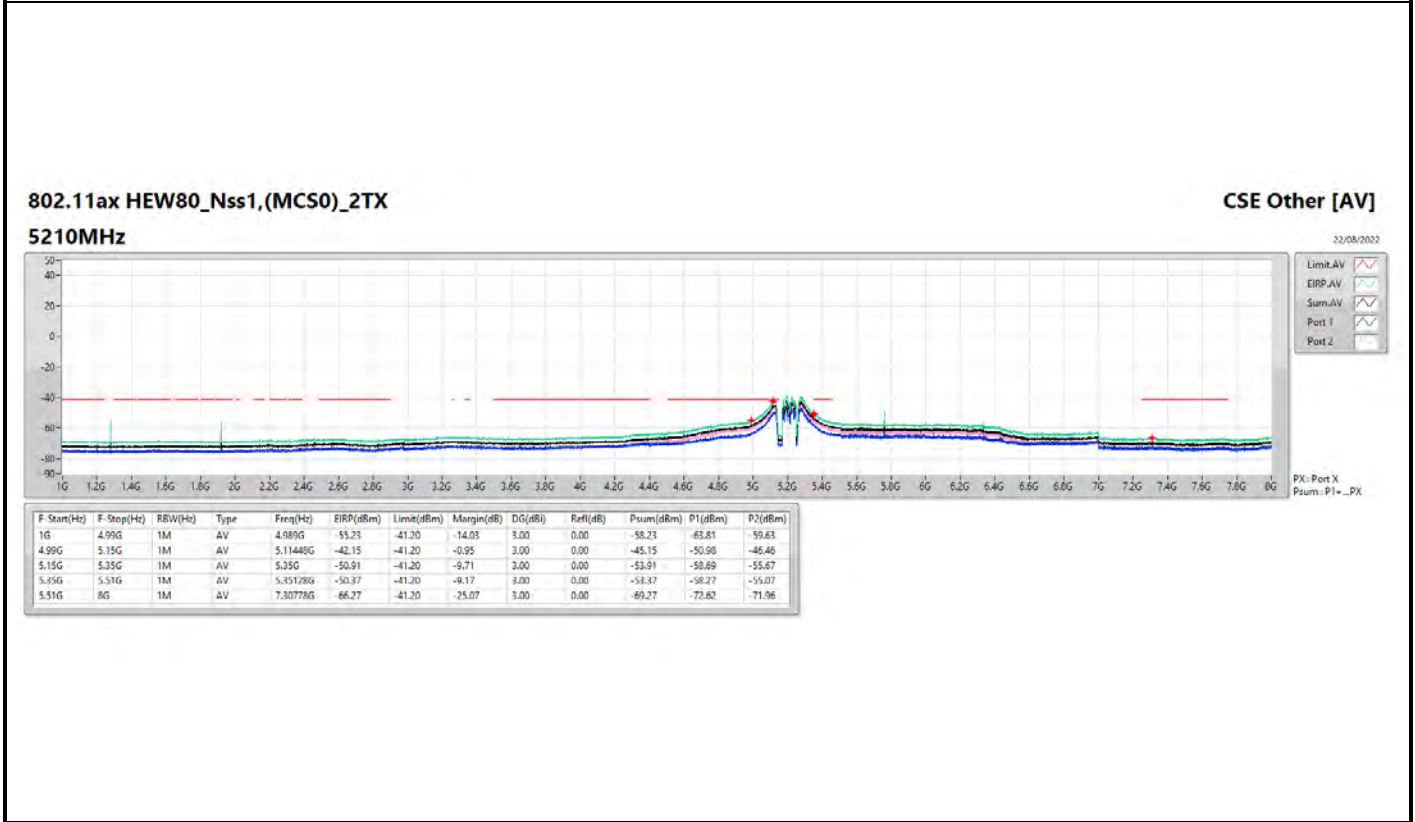
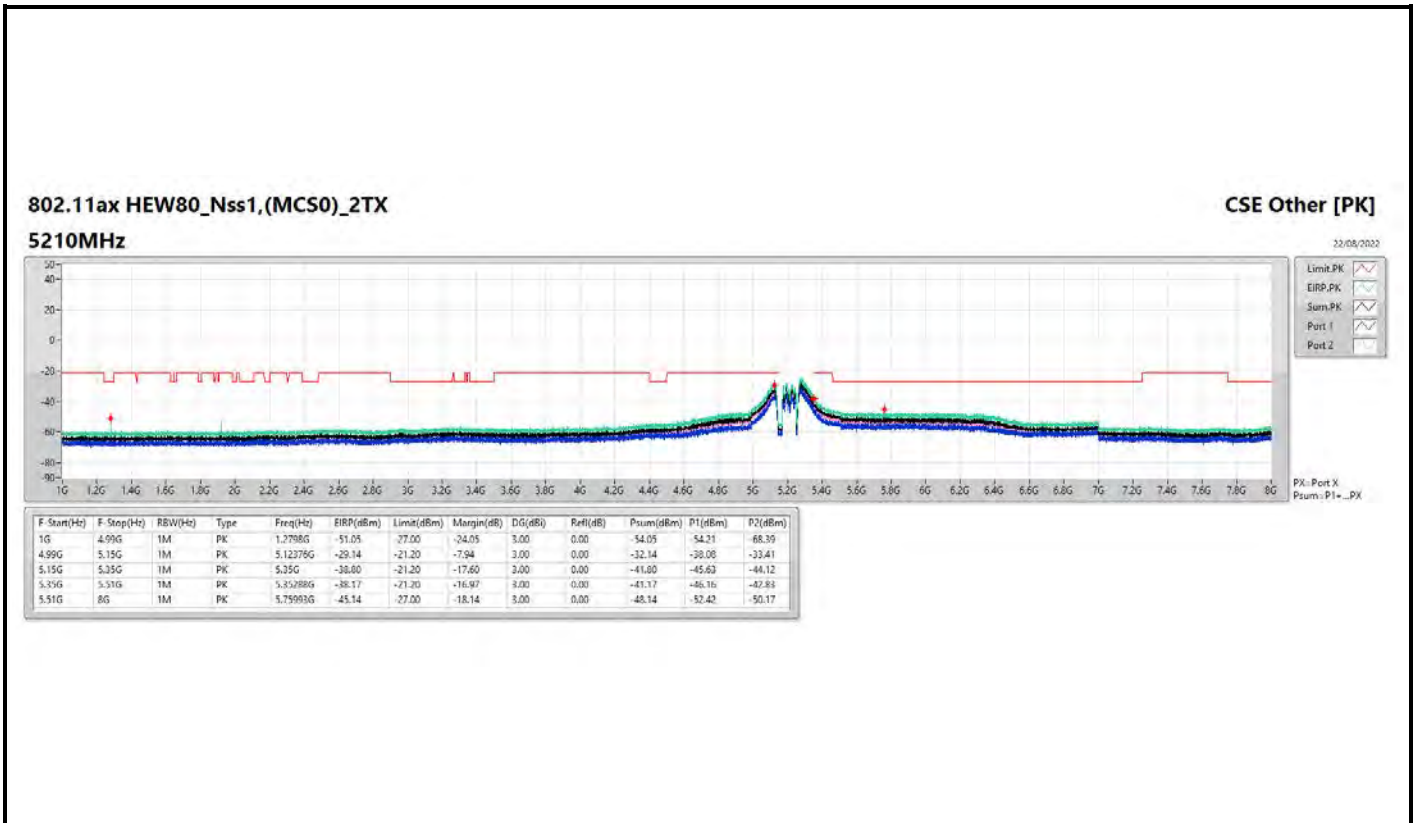


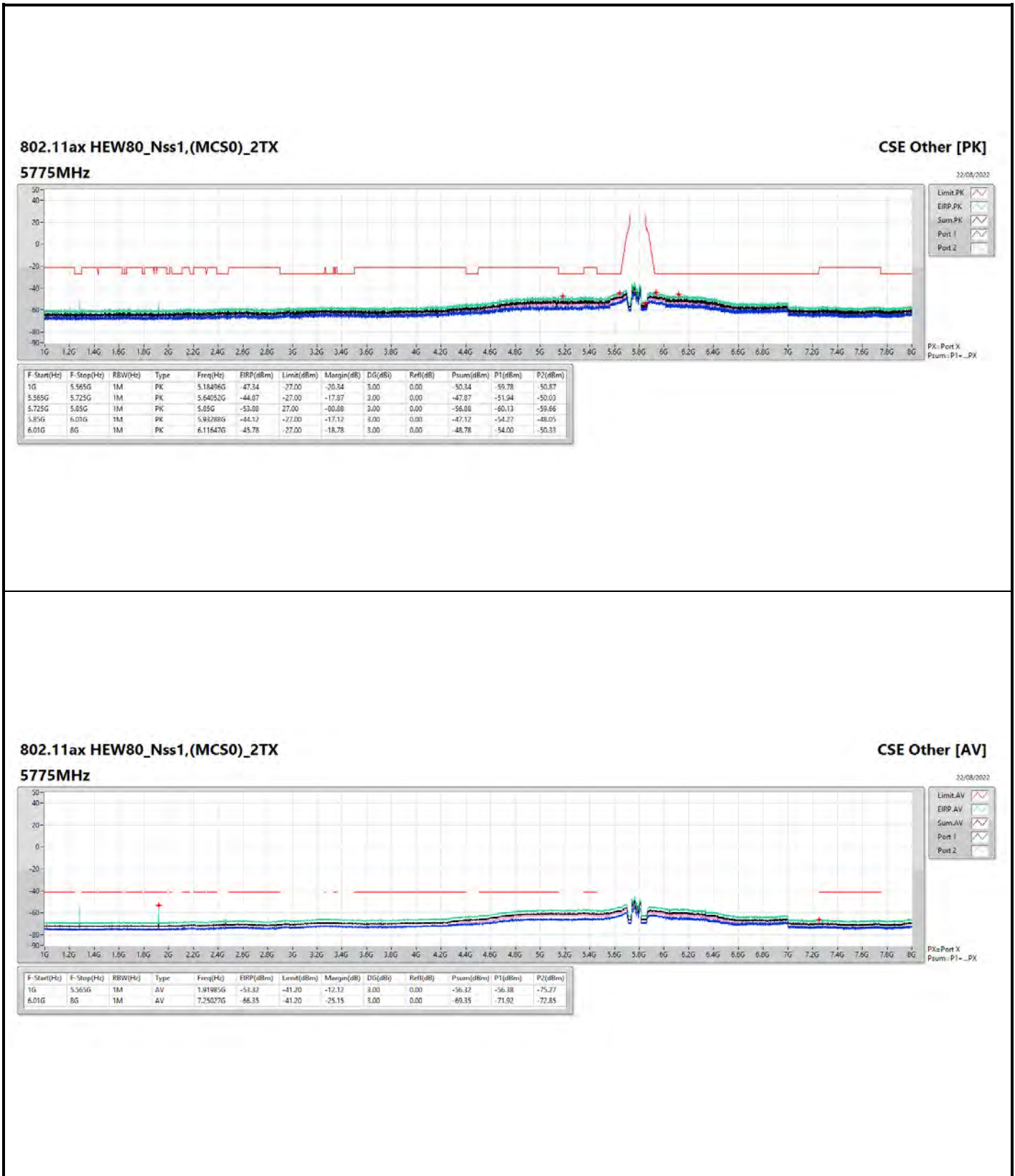


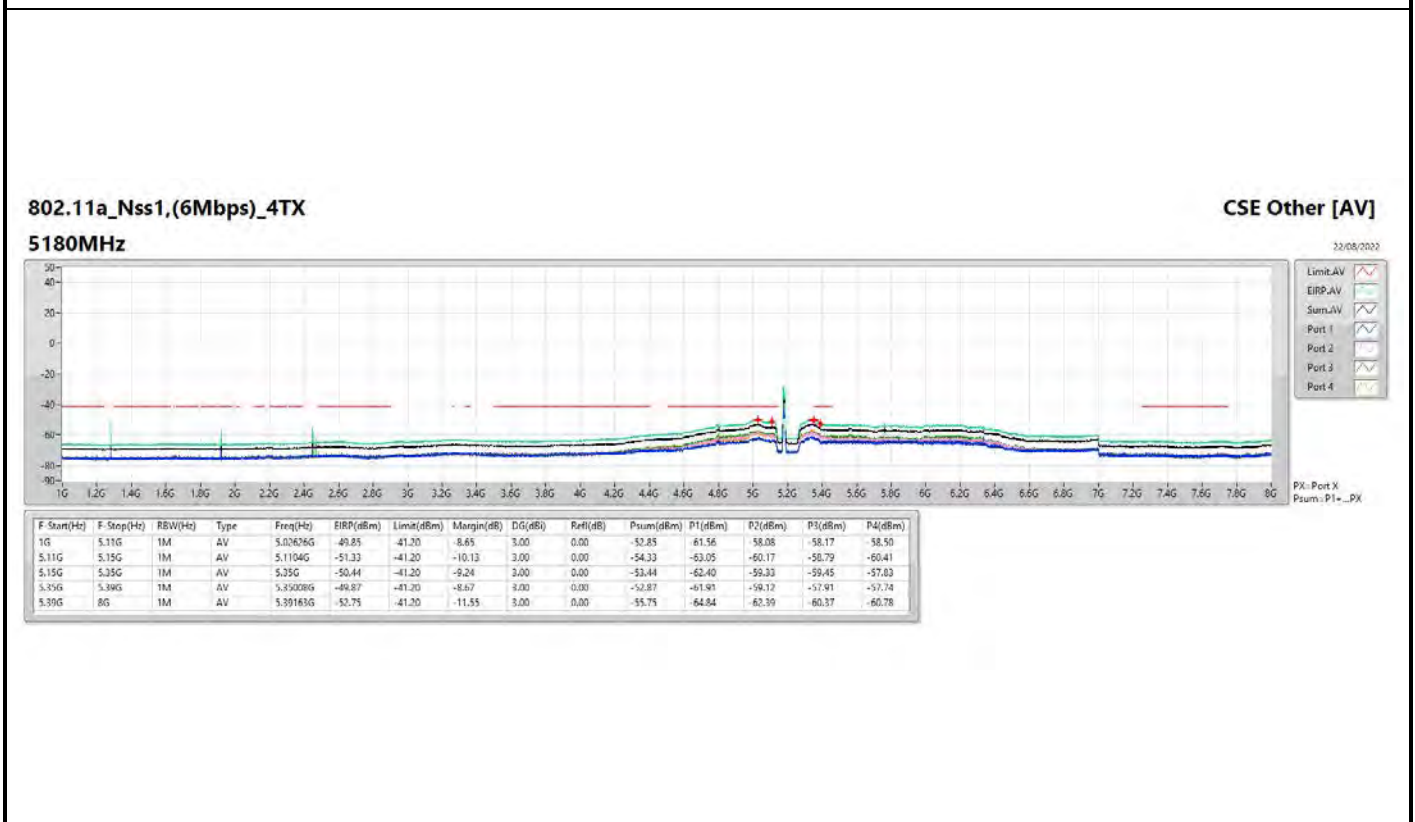
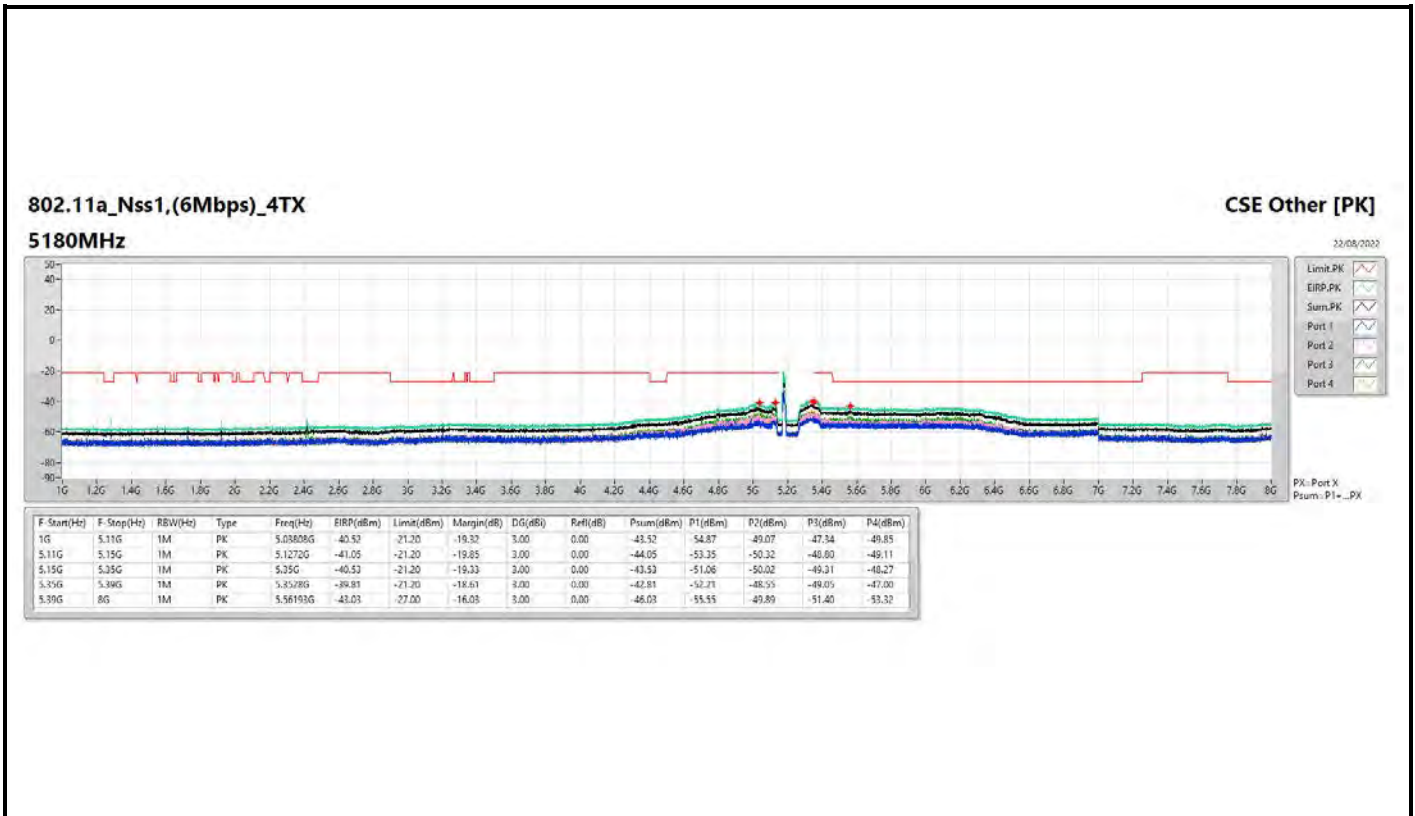


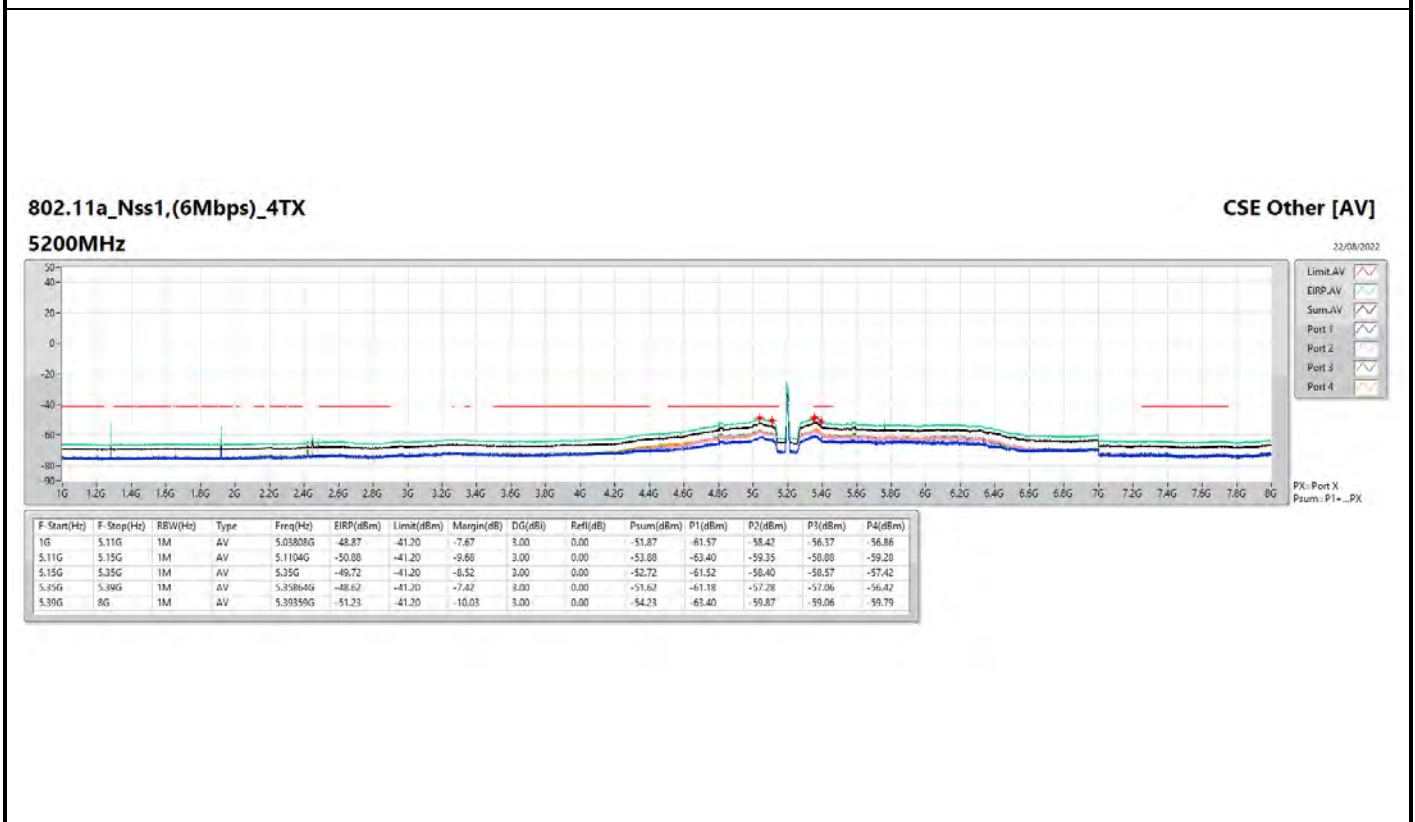
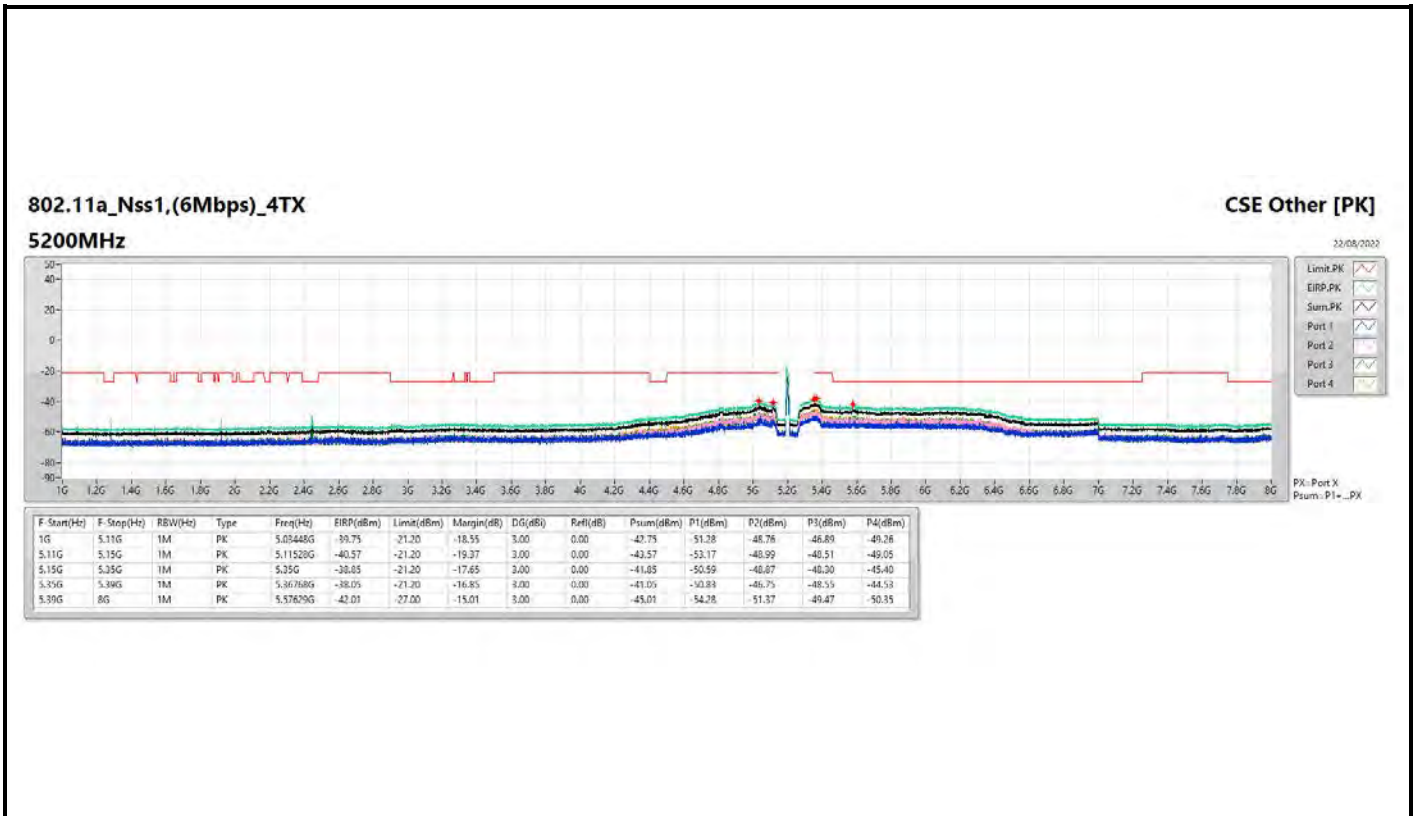


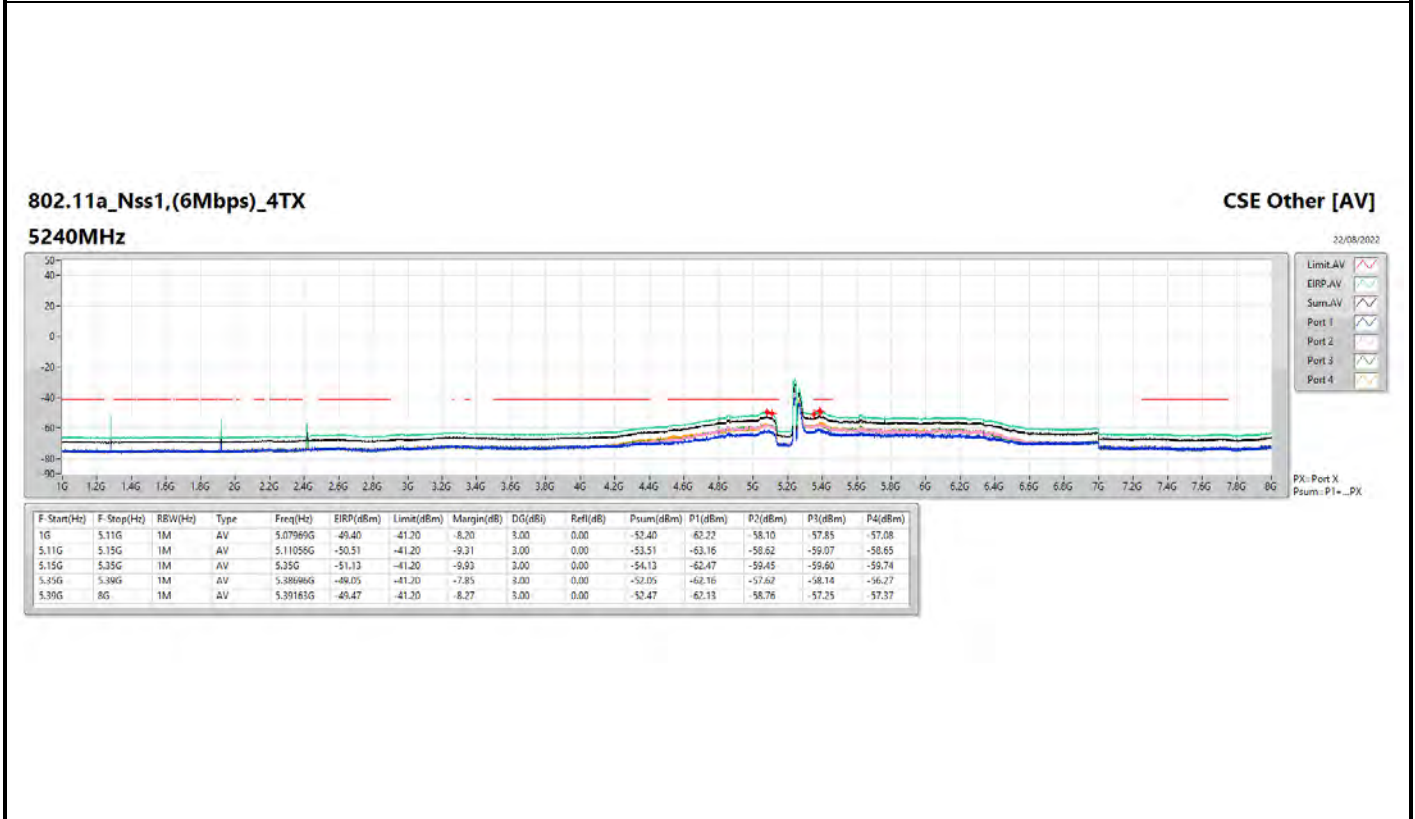
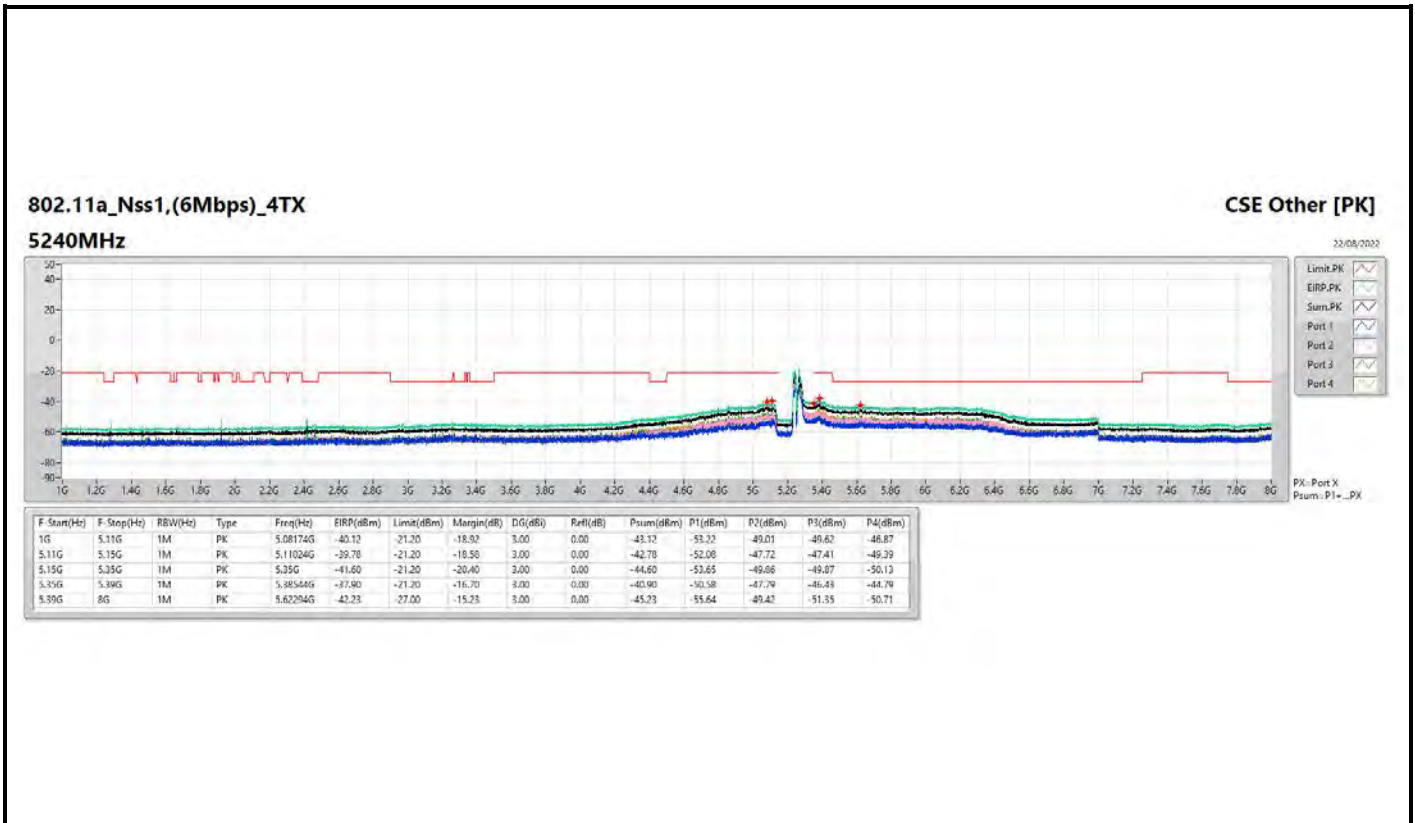


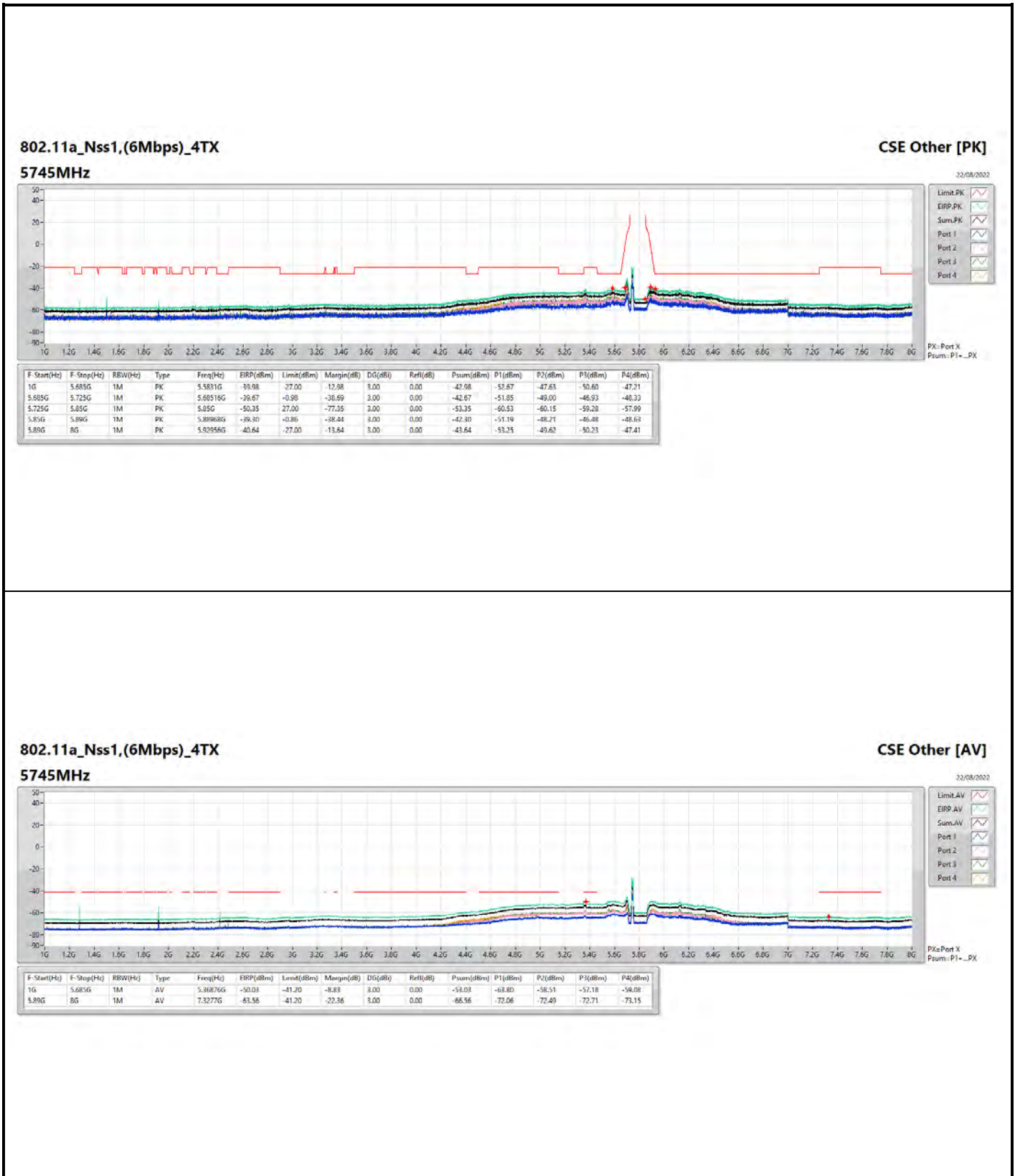


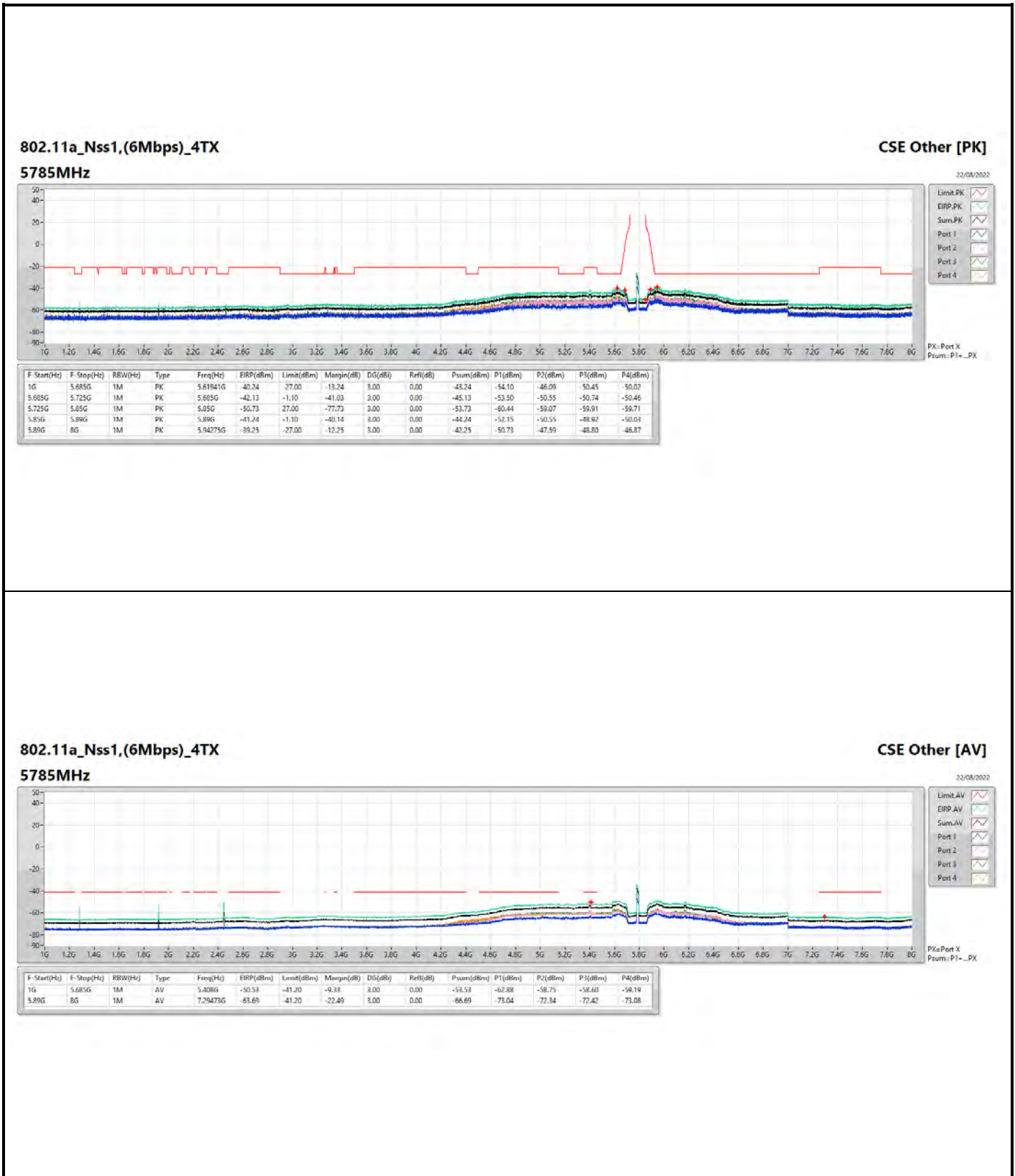


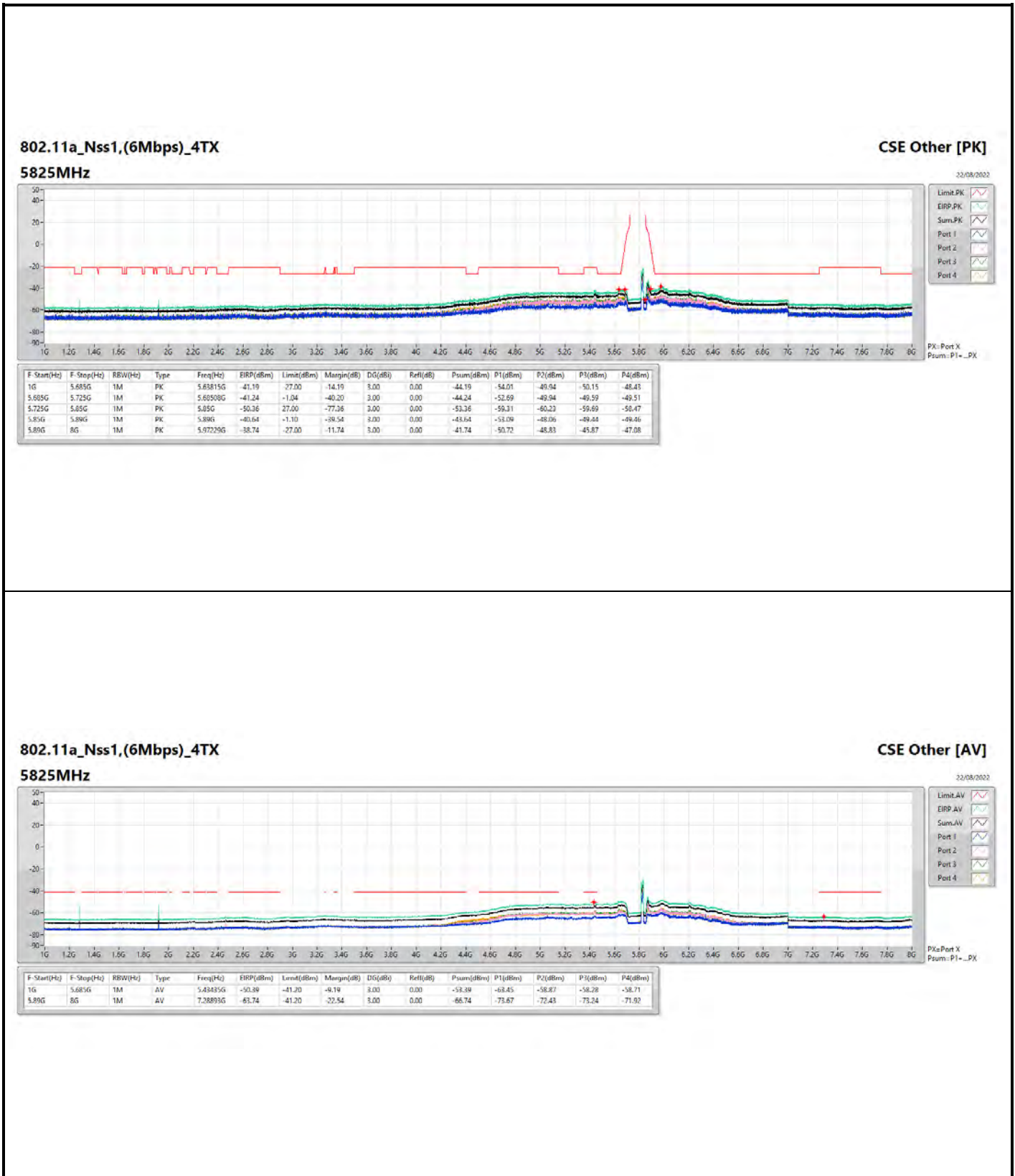


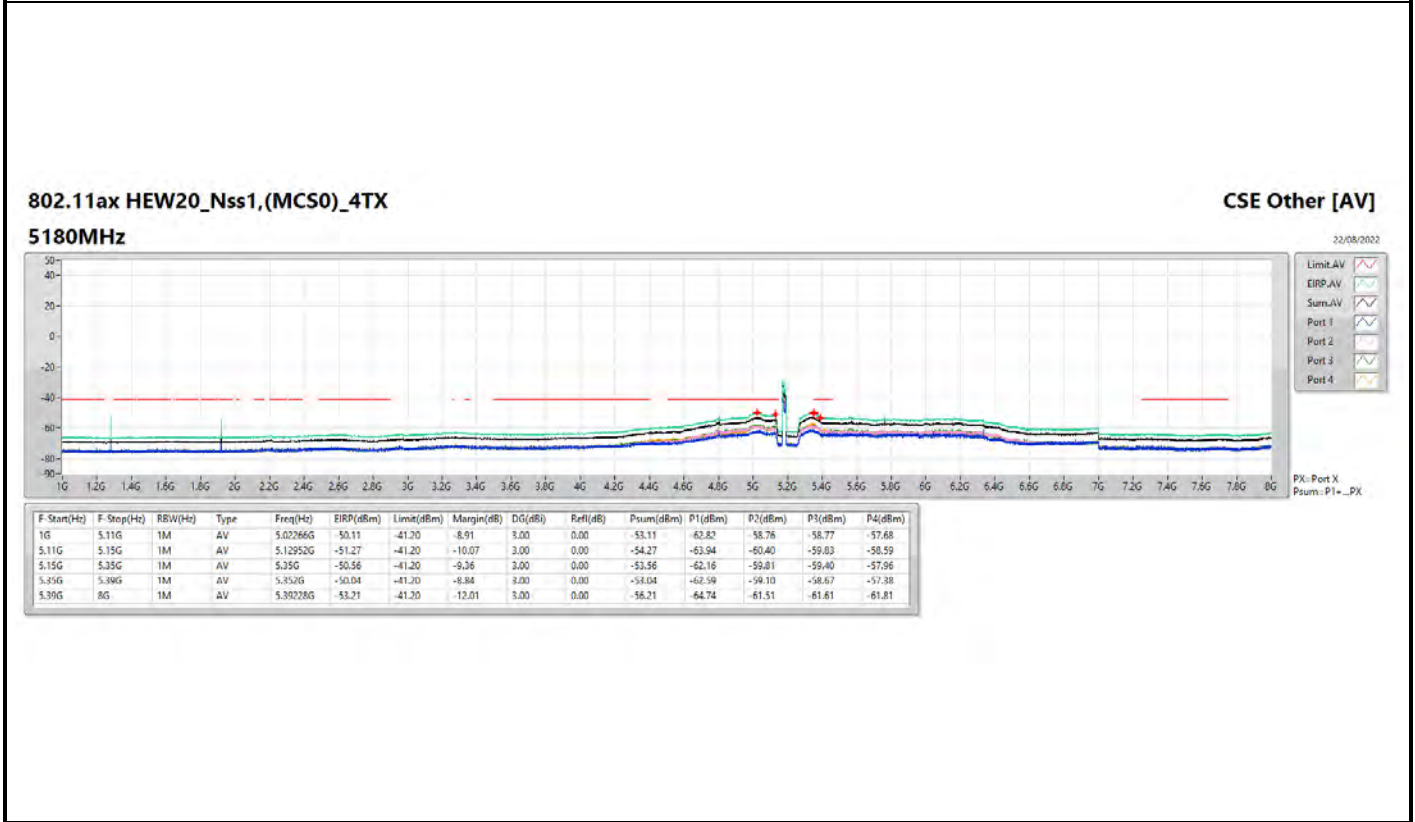
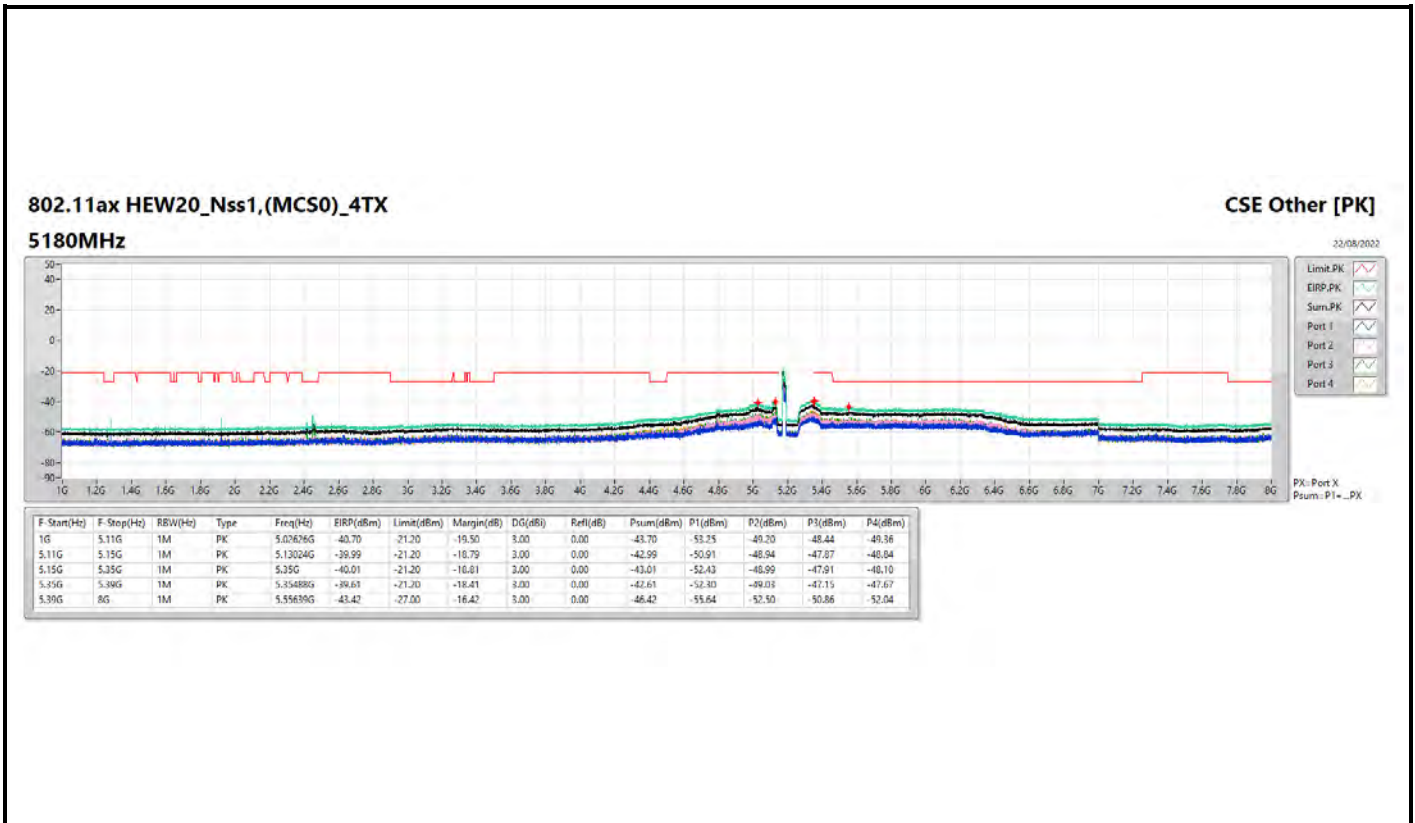


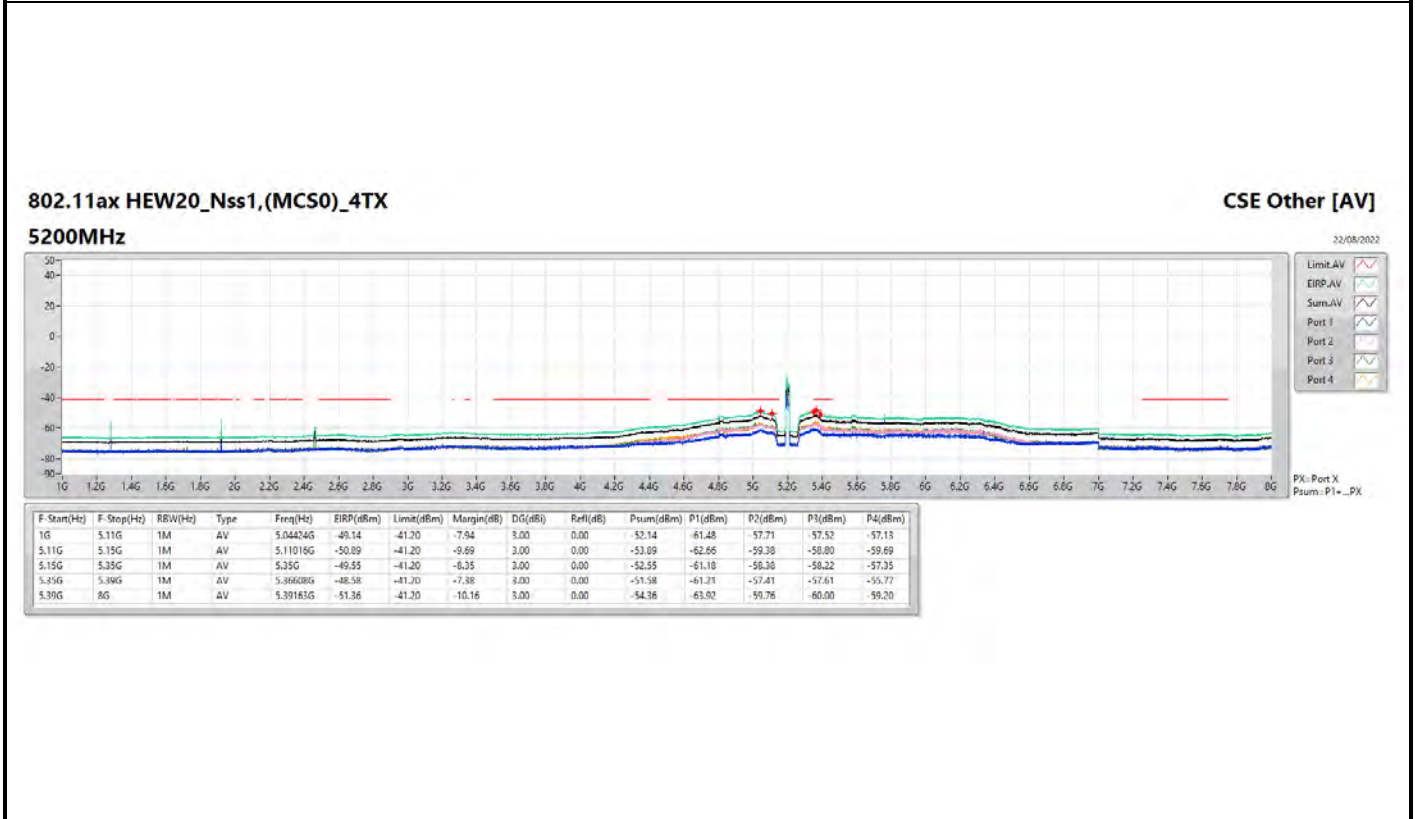
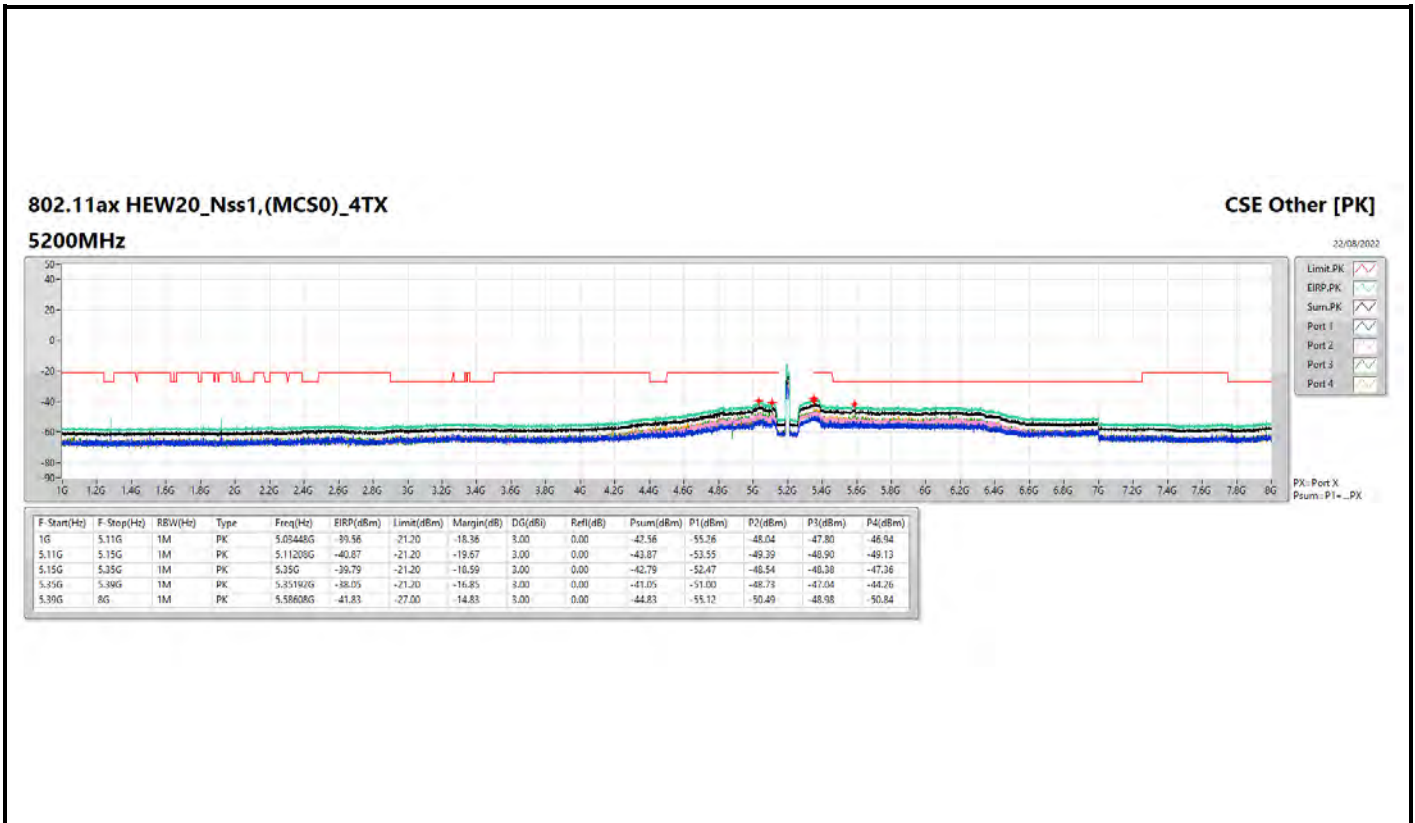


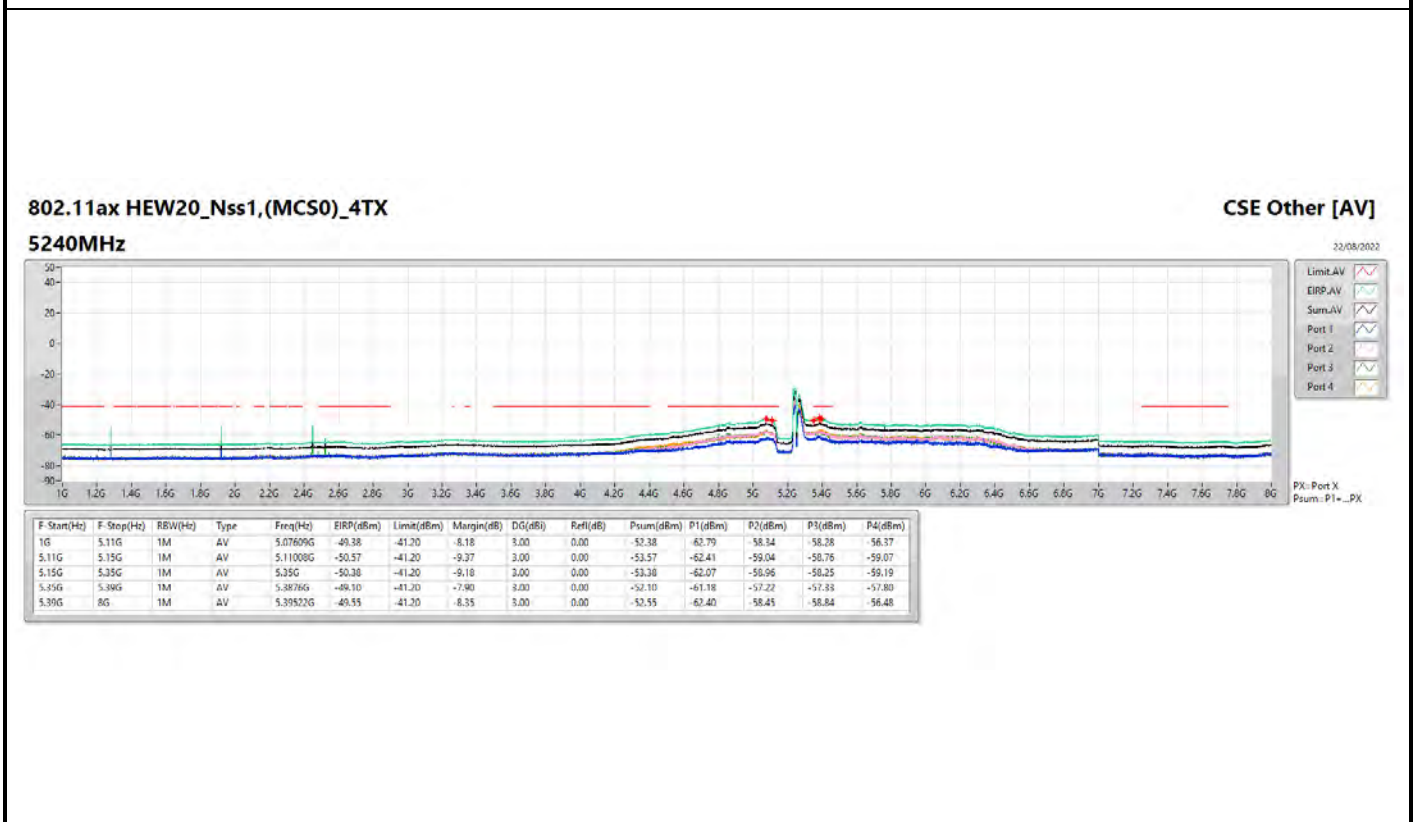
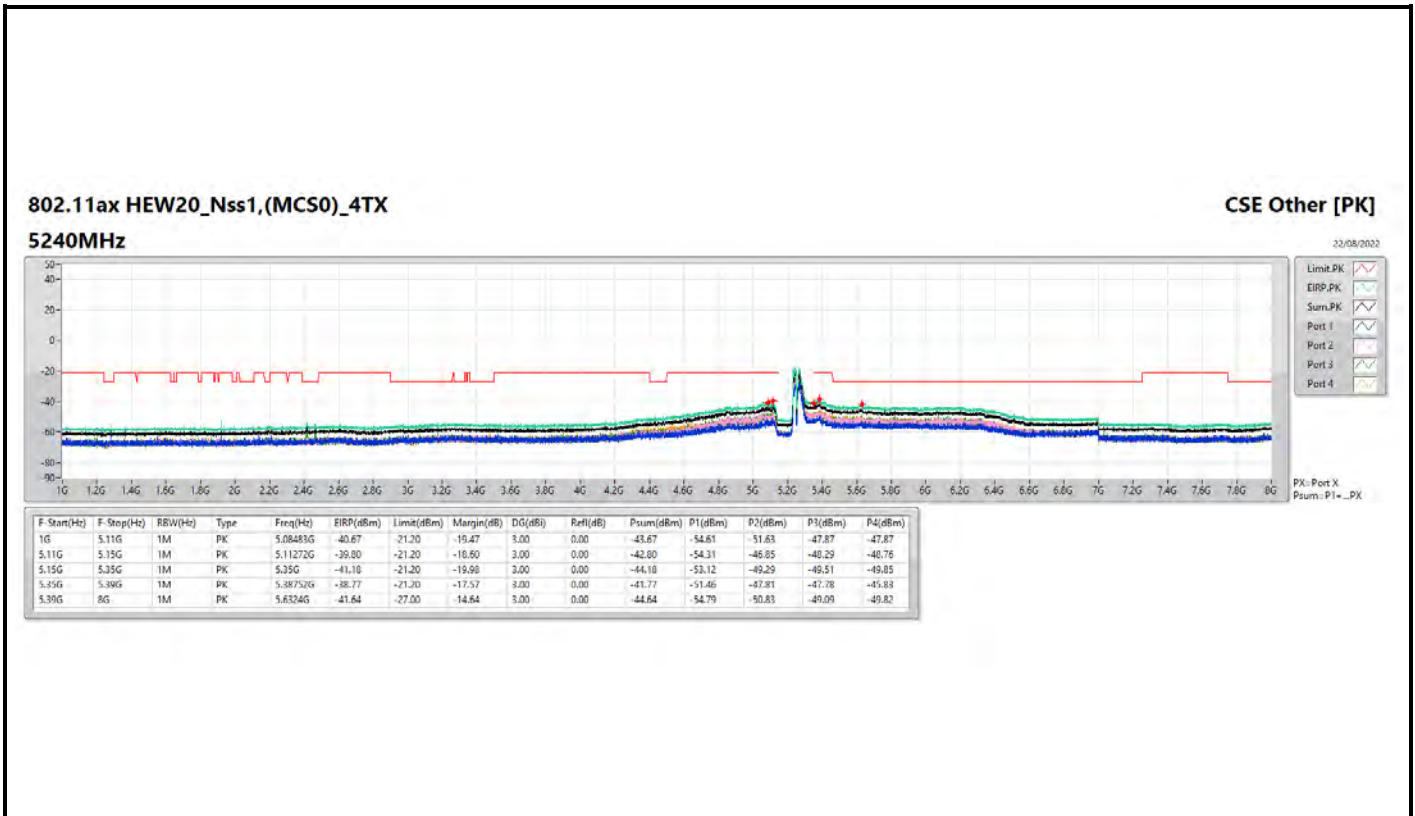


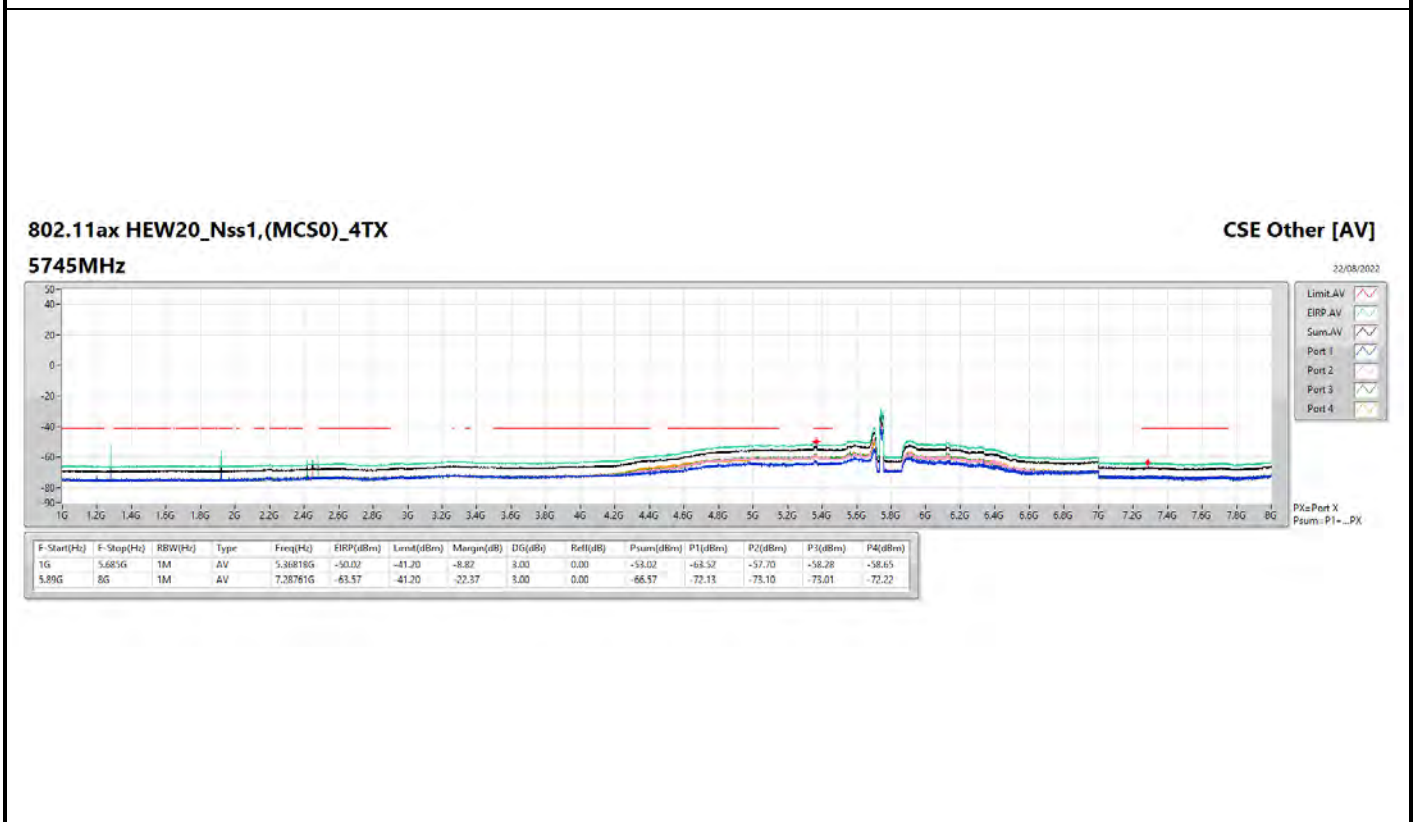
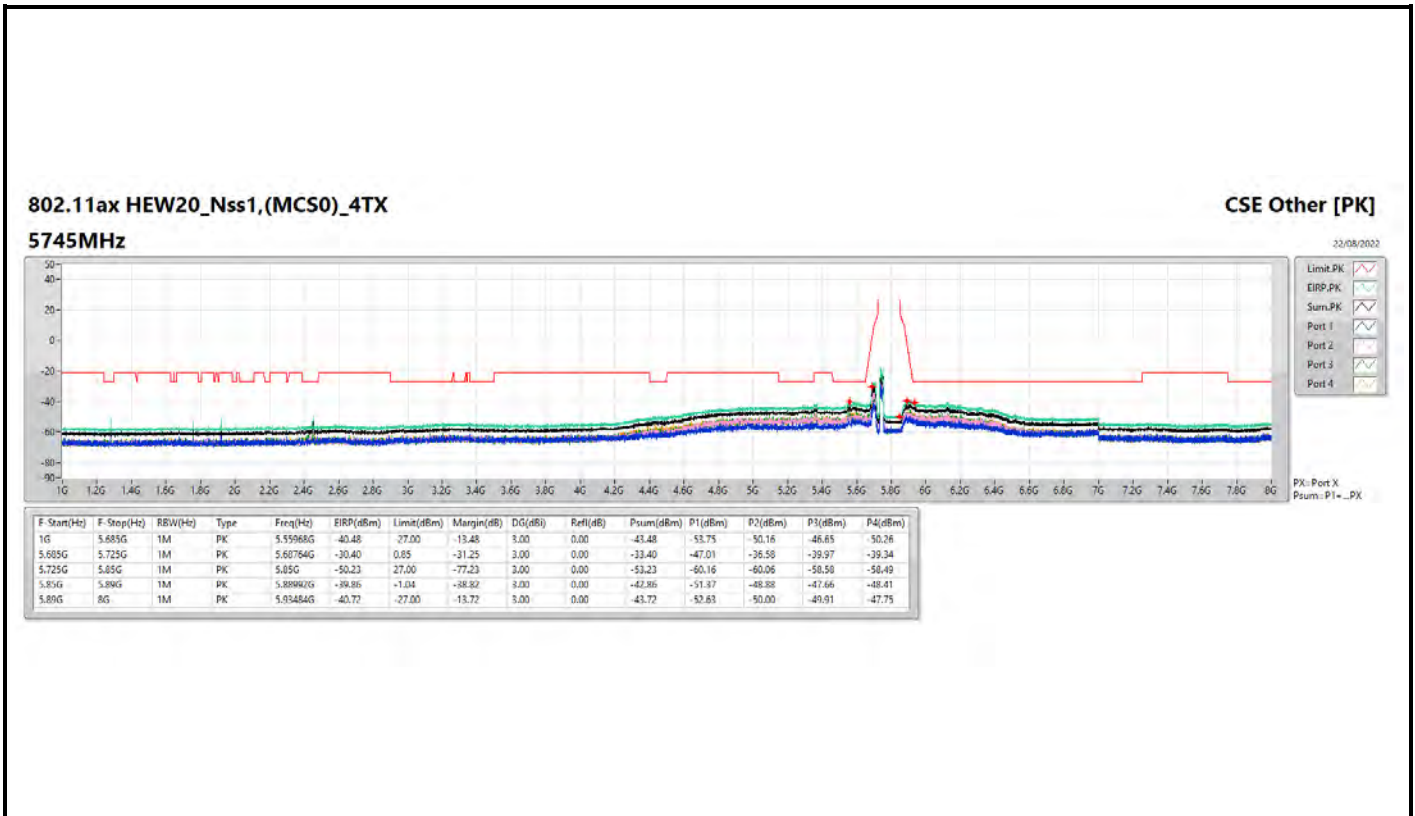


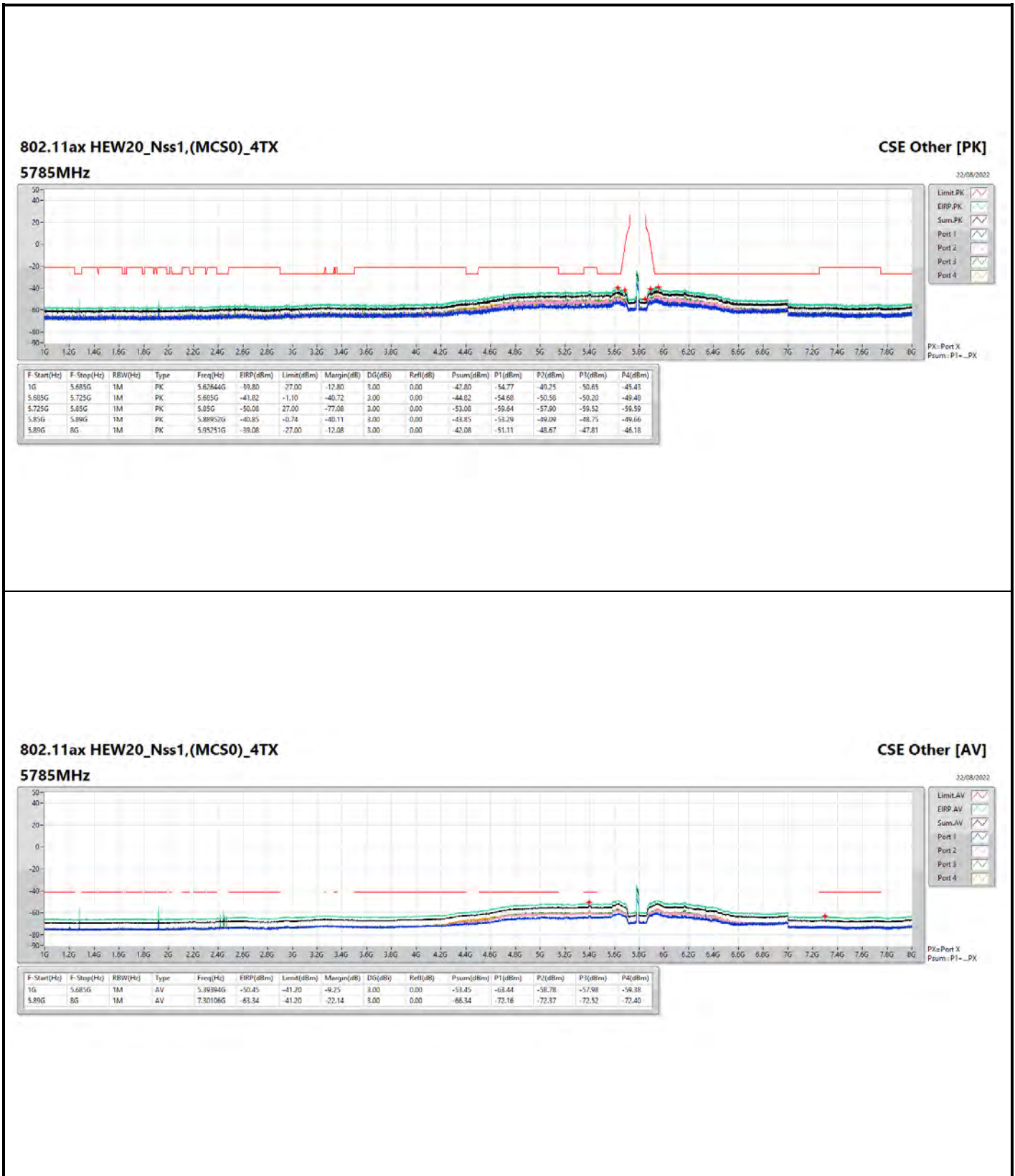










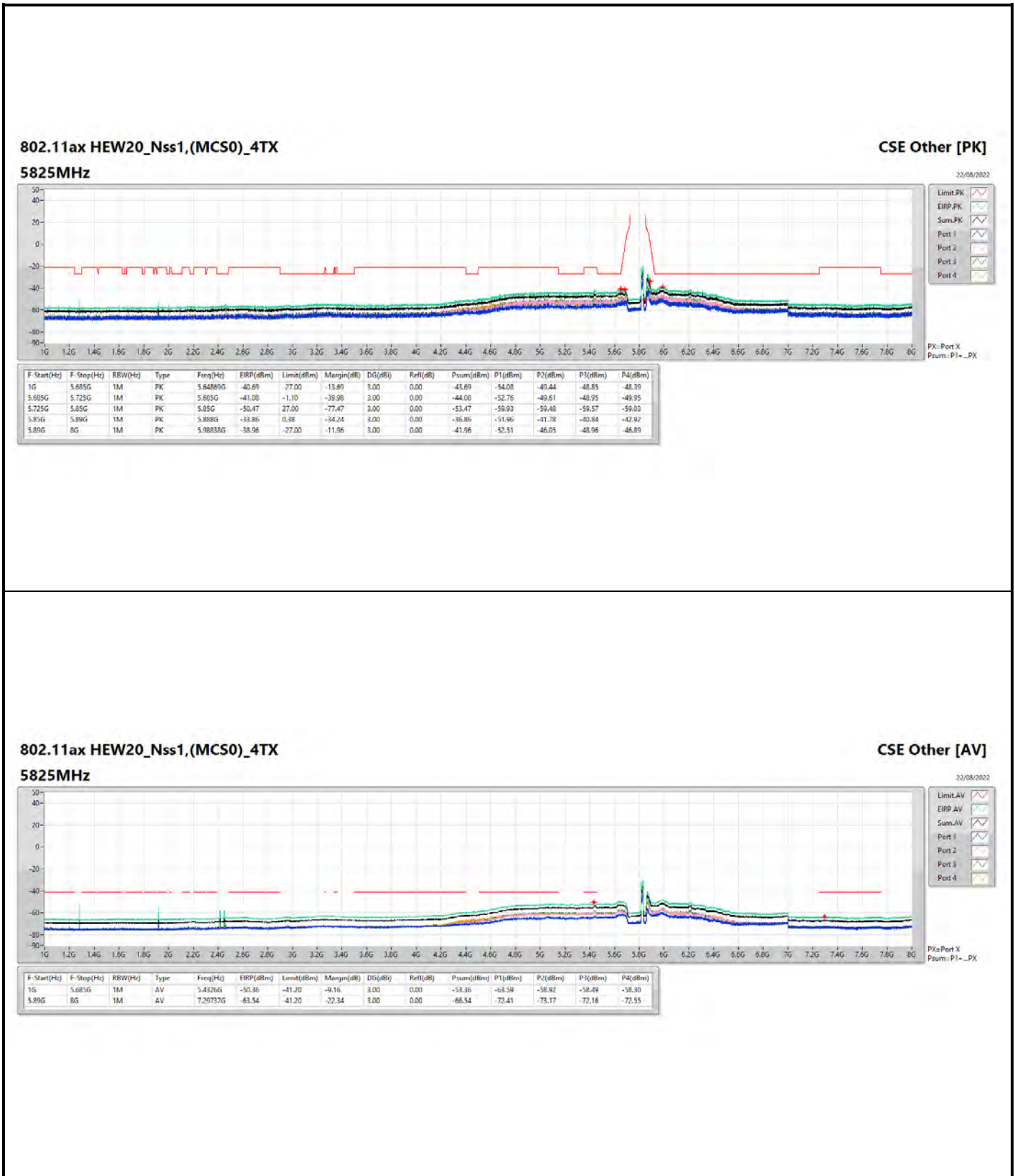


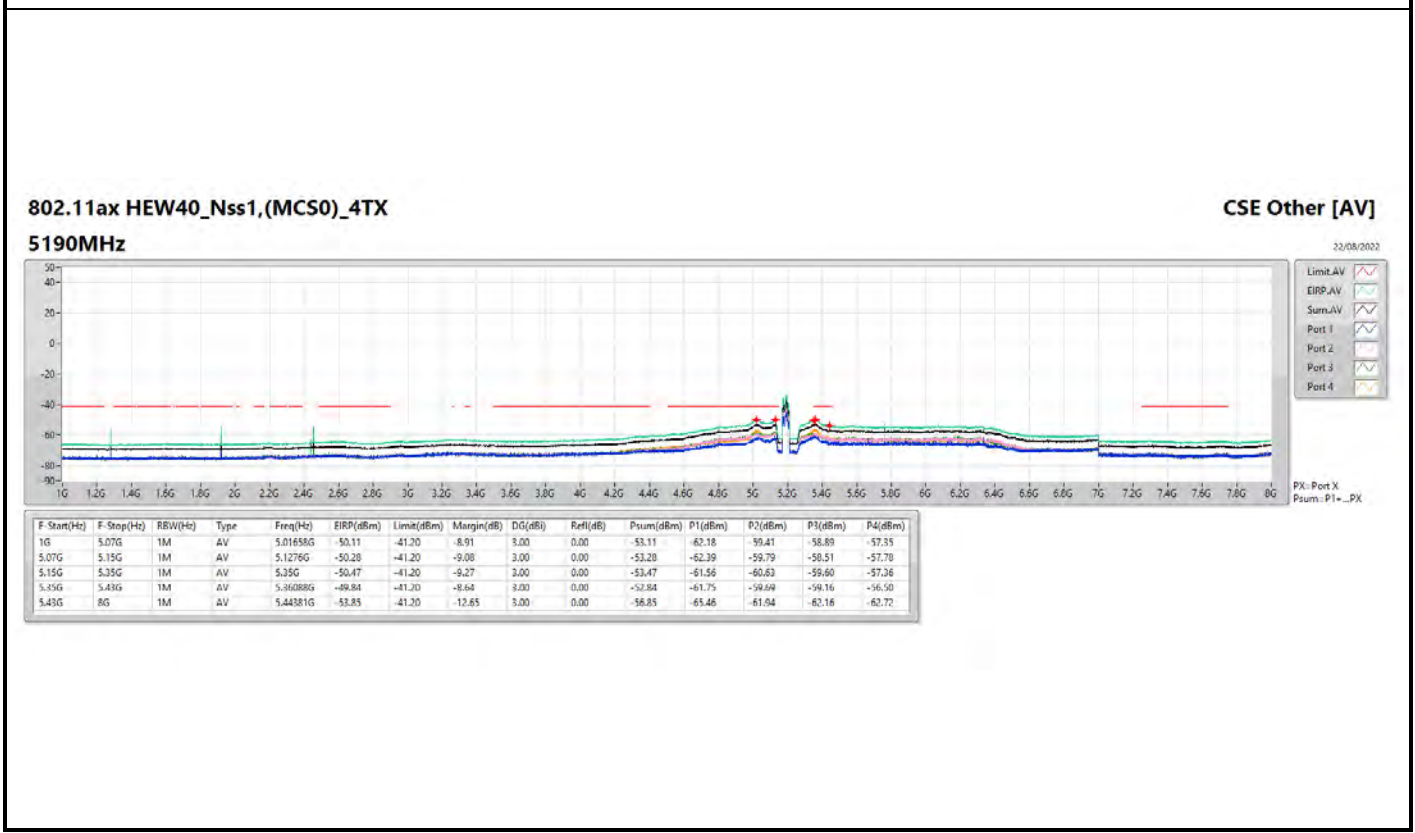
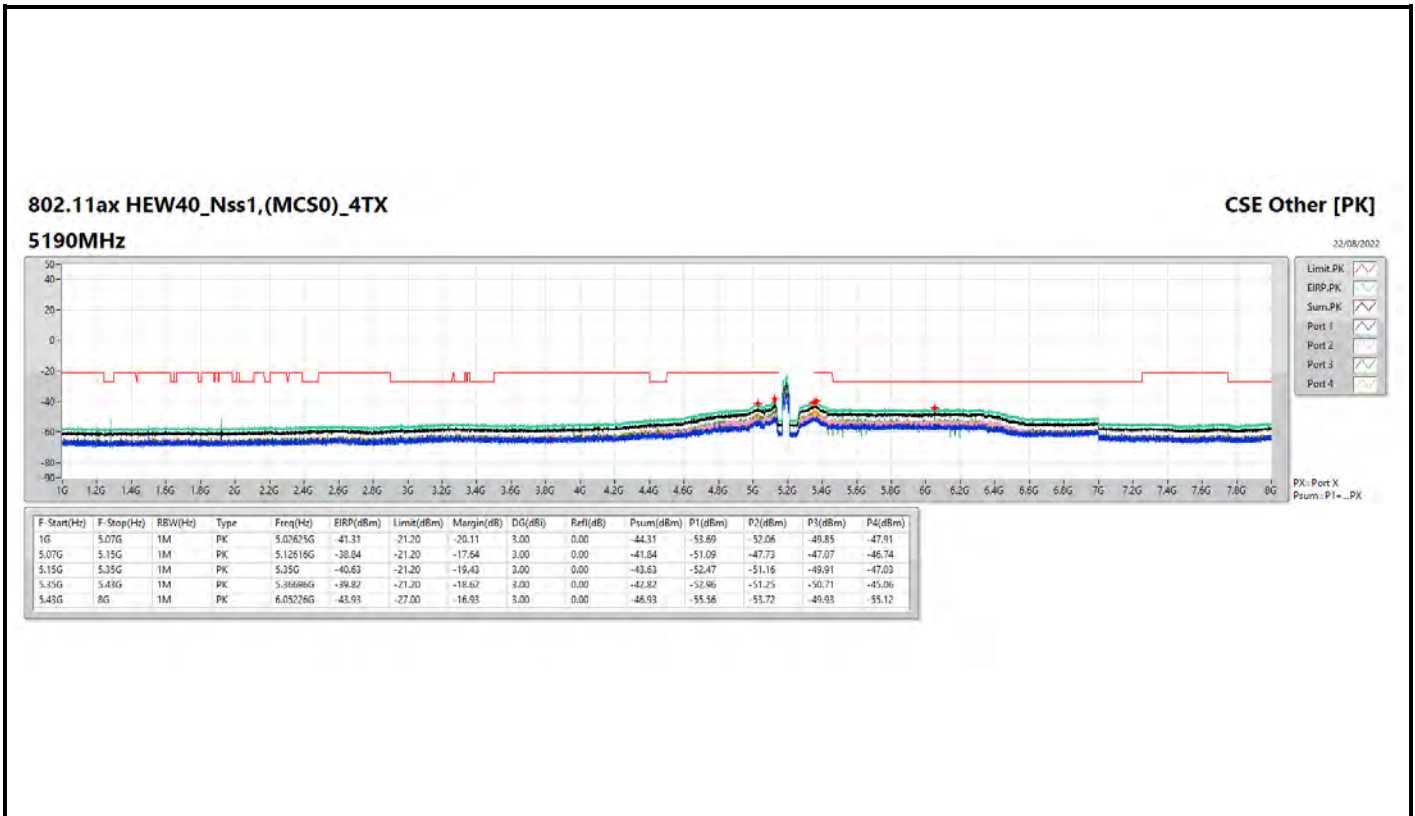
802.11ax HEW20_Nss1,(MCS0)_4TX

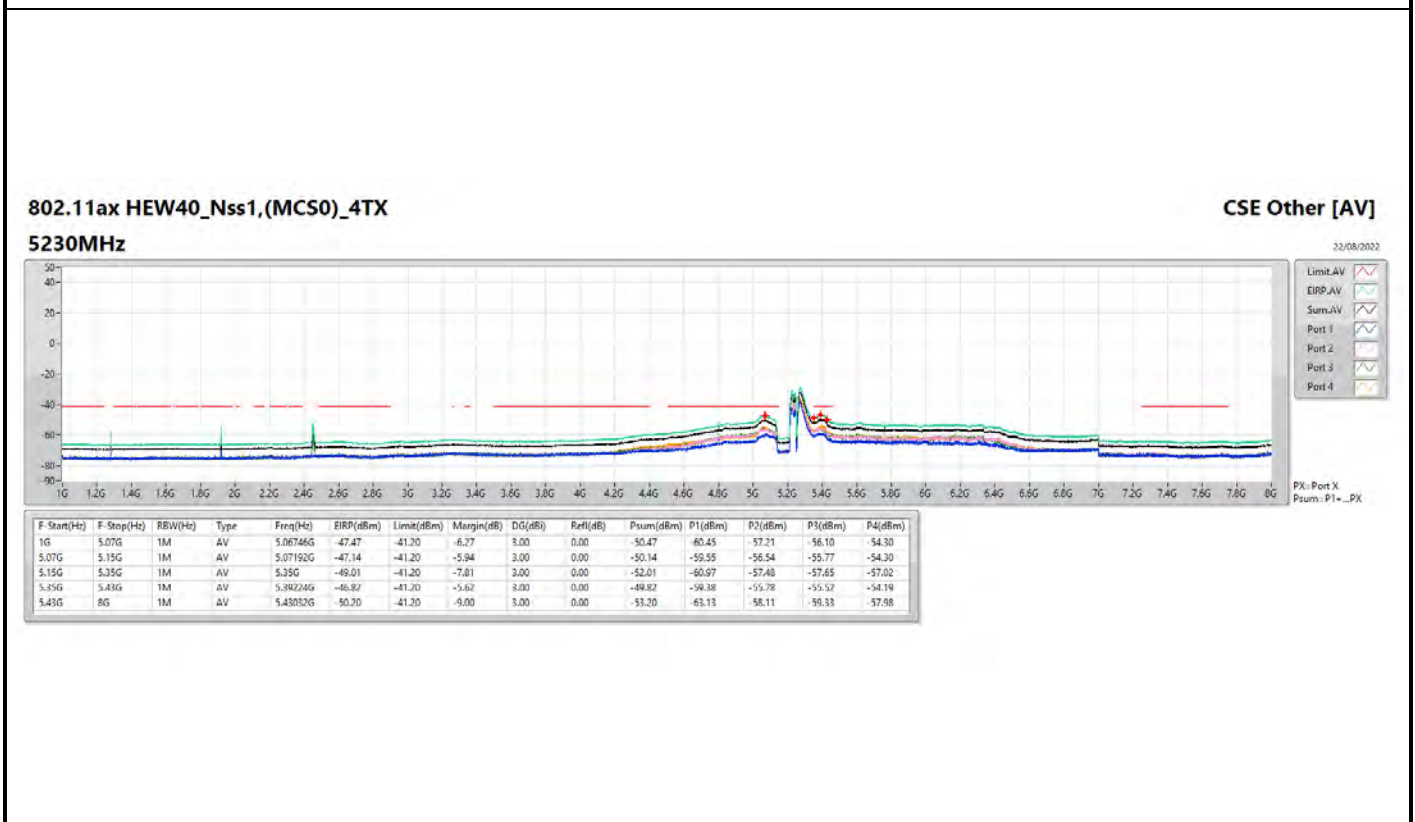
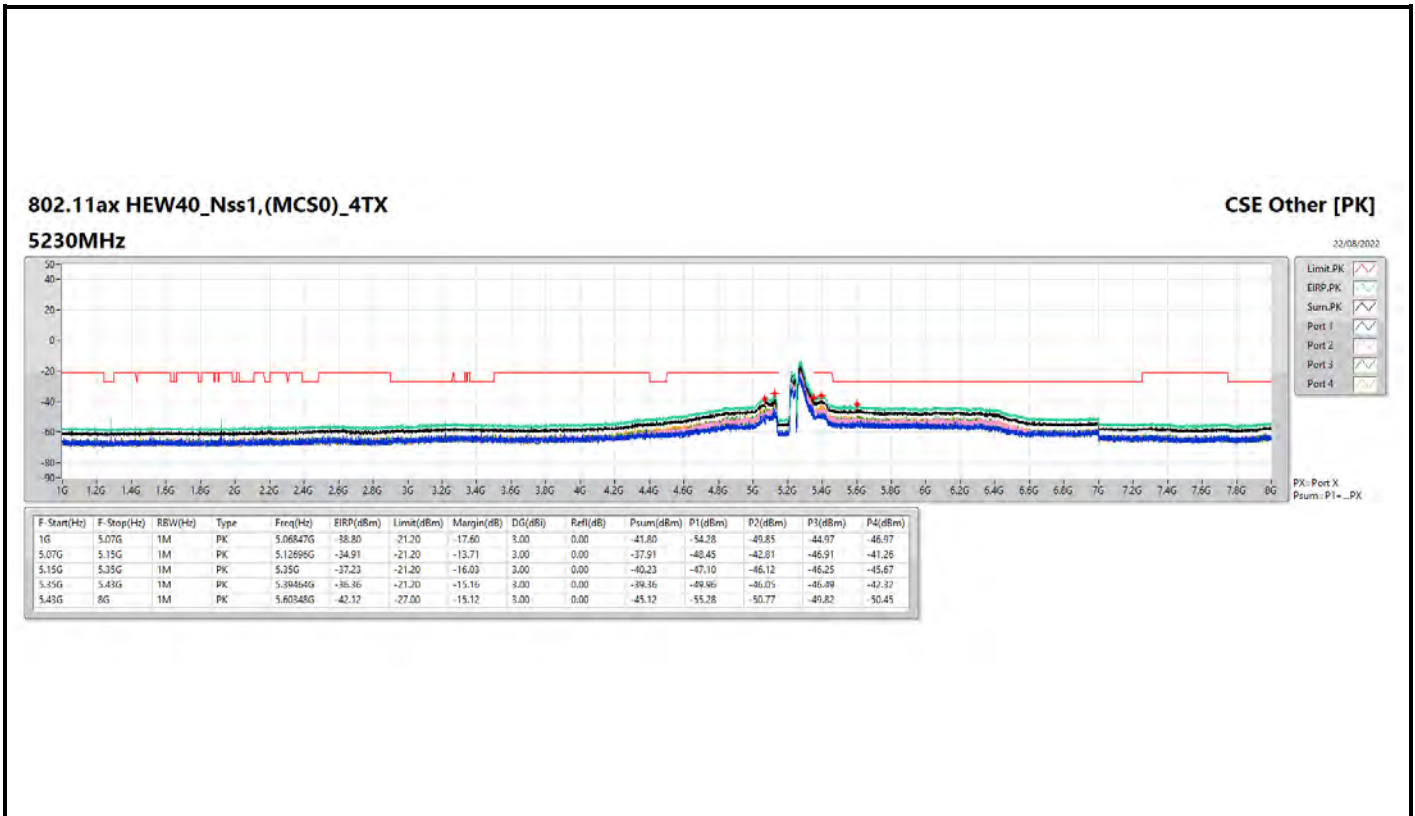
5785MHz

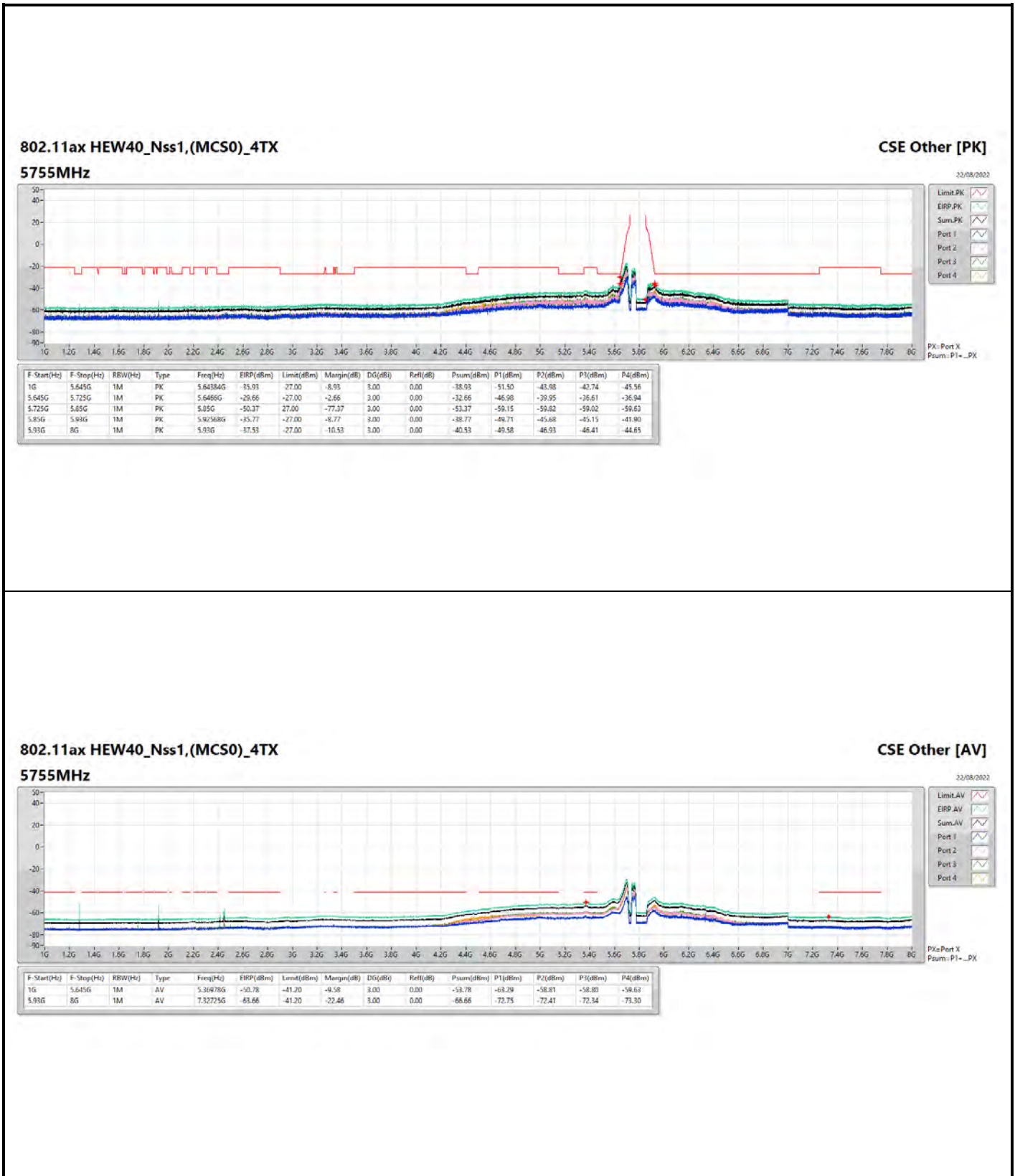
CSE Other [AV]

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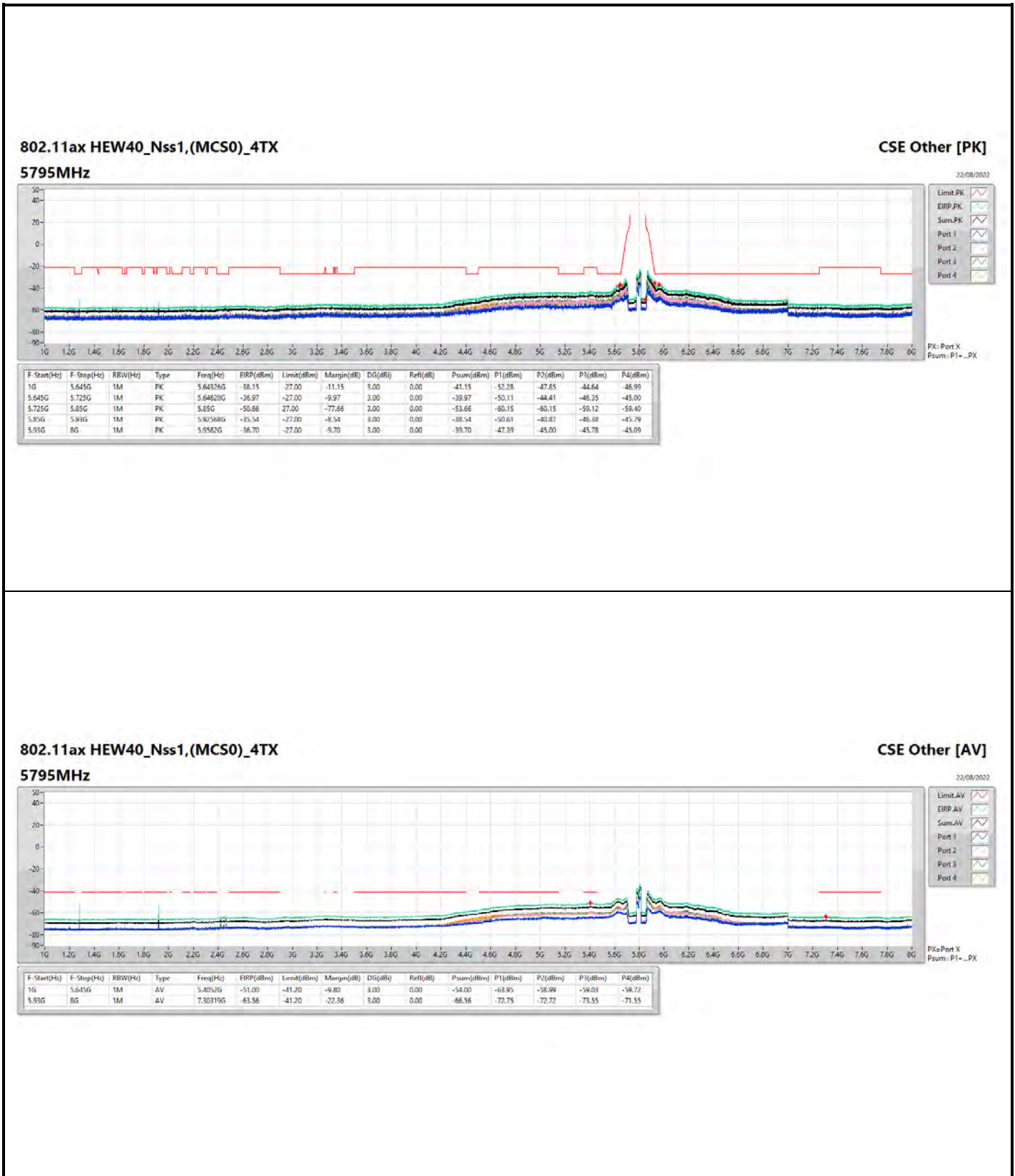


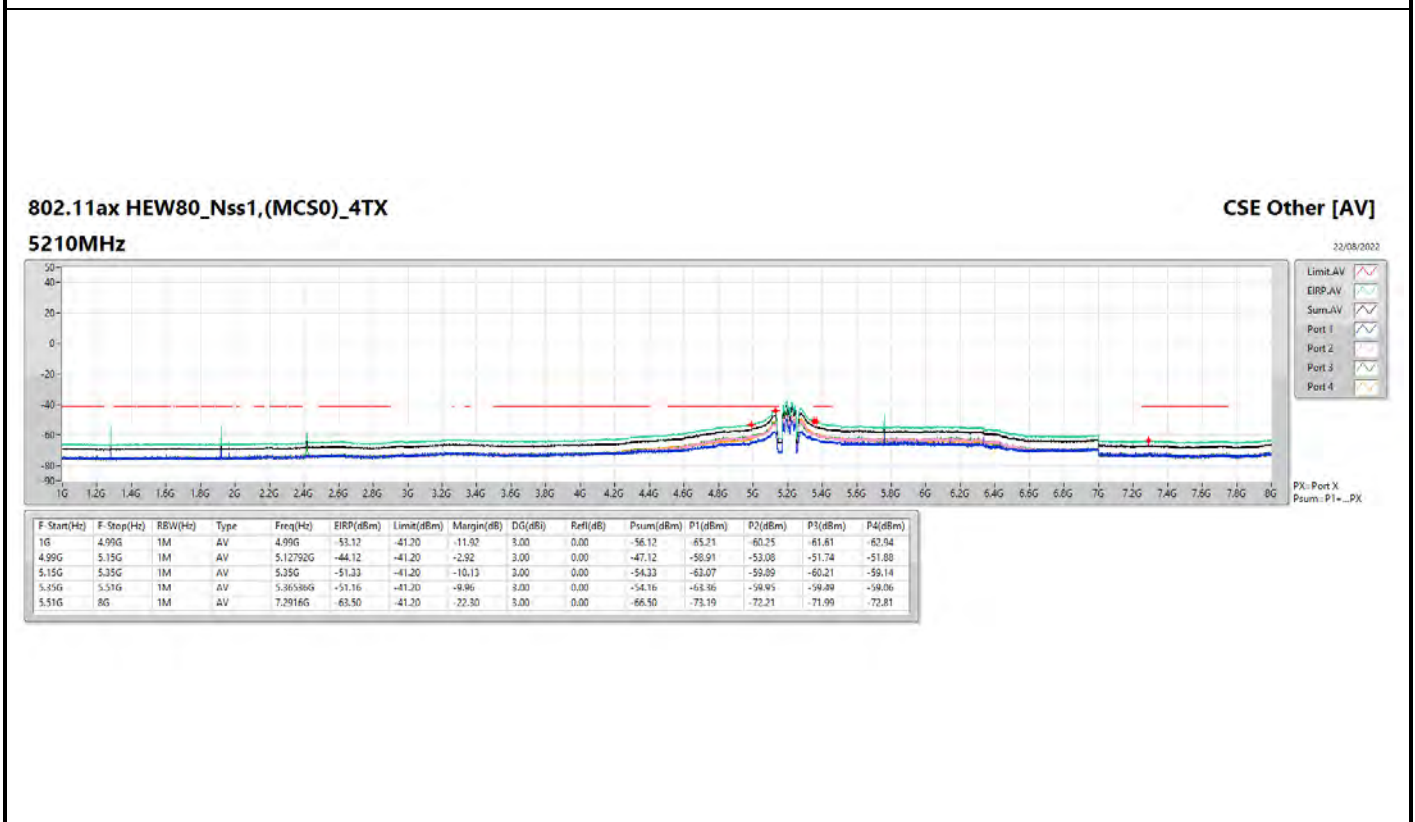
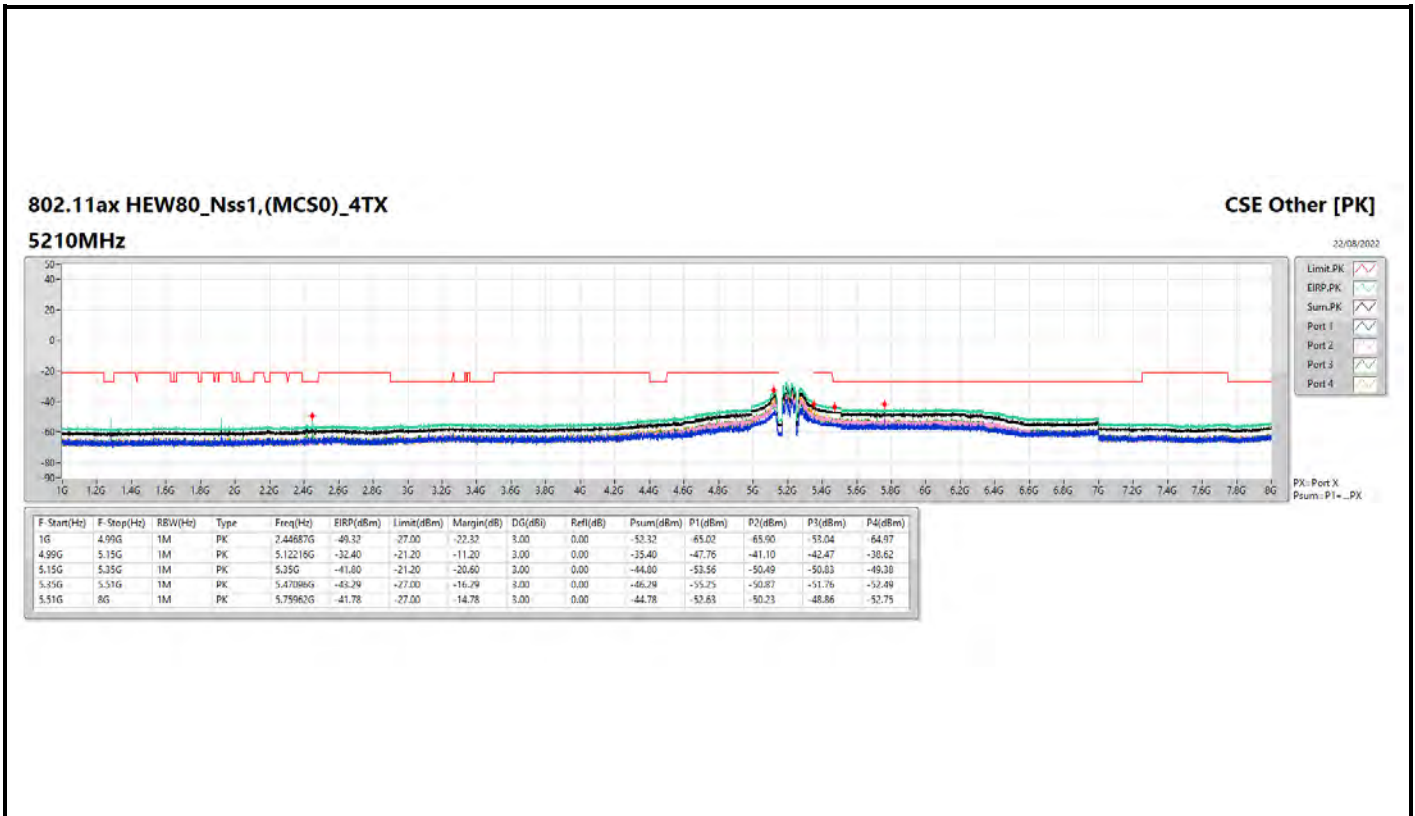
802.11ax HEW40_Nss1,(MCS0)_4TX

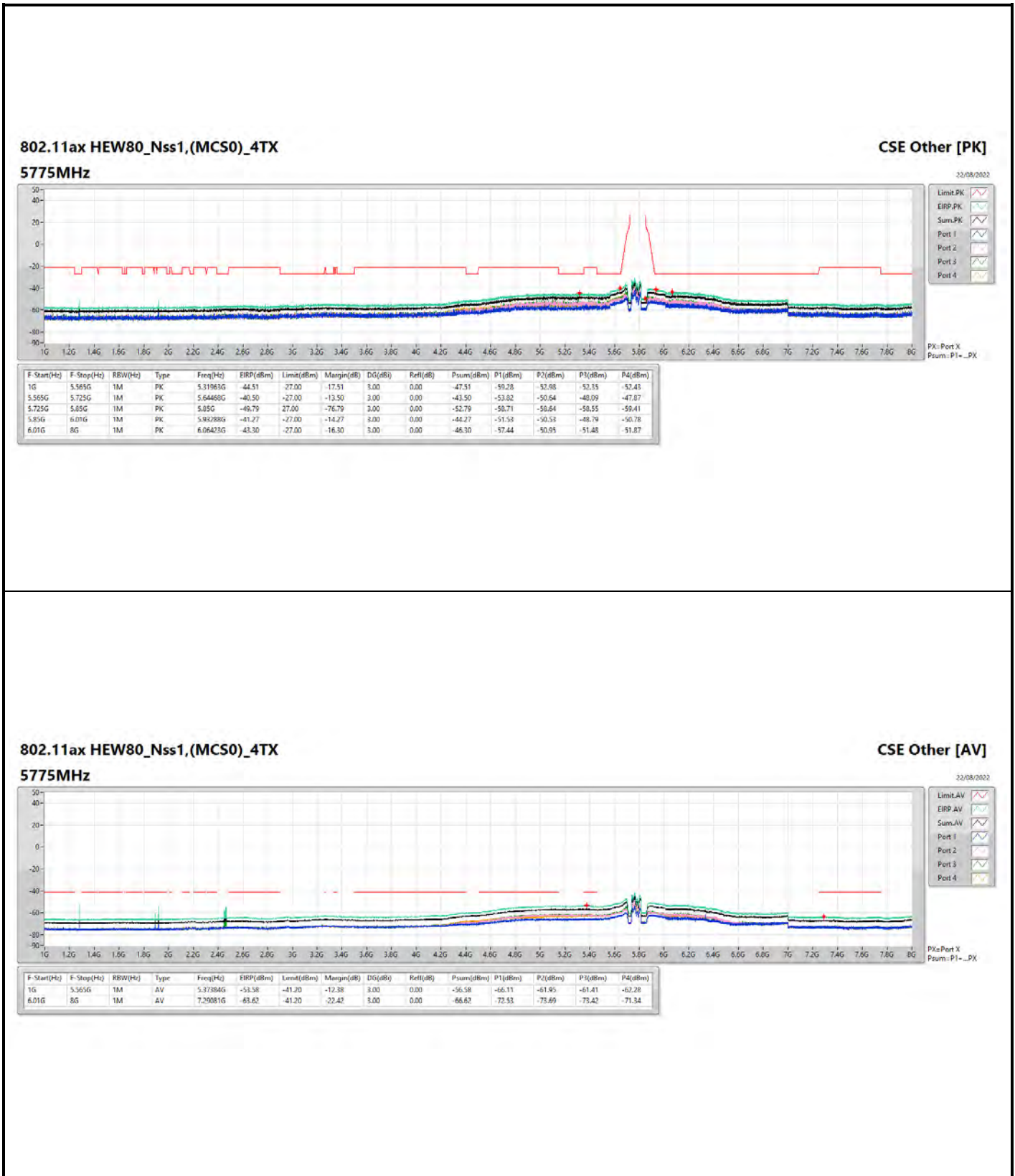
5755MHz

CSE Other [AV]

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802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz

CSE Other [AV]

22/08/2022



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

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	12G	40G	AV	15.598G	3.00	-57.58				-57.58	-54.58	-41.20	-13.38
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	12G	40G	AV	15.598G	3.00	-58.21				-58.21	-55.21	-41.20	-14.01
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	12G	40G	AV	15.5805G	3.00	-60.78				-60.78	-57.78	-41.20	-16.58
802.11ax HEW80_Nss1,(MCS0)_1TX	Pass	12G	40G	AV	39.86G	3.00	-61.22				-61.22	-58.22	-41.20	-17.02
802.11a_Nss1,(6Mbps)_2TX	Pass	12G	40G	AV	15.598G	3.00	-58.29	-52.65			-51.60	-48.60	-41.20	-7.40
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	12G	40G	AV	15.5945G	3.00	-58.90	-53.20			-52.16	-49.16	-41.20	-7.96
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	12G	40G	AV	15.6925G	3.00	-61.56	-56.00			-54.93	-51.93	-41.20	-10.73
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	12G	40G	AV	15.6085G	3.00	-63.90	-58.51			-57.41	-54.41	-41.20	-13.21
802.11a_Nss1,(6Mbps)_4TX	Pass	12G	40G	AV	22.073G	3.00	-69.55	-69.80	-69.74	-69.16	-63.53	-60.53	-41.20	-19.33
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	12G	40G	AV	22.024G	3.00	-70.20	-70.08	-69.35	-68.87	-63.57	-60.57	-41.20	-19.37
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	12G	40G	AV	15.5735G	3.00	-61.64	-55.52	-55.09	-55.73	-50.33	-47.33	-41.20	-6.13
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	12G	40G	AV	15.605G	3.00	-63.68	-58.85	-59.09	-58.59	-53.62	-50.62	-41.20	-9.42
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	12G	40G	AV	39.811G	3.00	-60.95				-60.95	-57.95	-41.20	-16.75
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	12G	40G	AV	39.8215G	3.00	-60.99				-60.99	-57.99	-41.20	-16.79
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	12G	40G	AV	39.818G	3.00	-60.73				-60.73	-57.73	-41.20	-16.53
802.11ax HEW80_Nss1,(MCS0)_1TX	Pass	12G	40G	AV	39.79G	3.00	-61.01				-61.01	-58.01	-41.20	-16.81
802.11a_Nss1,(6Mbps)_2TX	Pass	12G	40G	AV	39.783G	3.00	-61.59	-60.95			-58.25	-55.25	-41.20	-14.05
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	12G	40G	AV	39.8495G	3.00	-61.34	-60.93			-58.12	-55.12	-41.20	-13.92
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	12G	40G	AV	39.846G	3.00	-60.73	-61.88			-58.26	-55.26	-41.20	-14.06
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	12G	40G	AV	39.839G	3.00	-61.44	-60.91			-58.16	-55.16	-41.20	-13.96
802.11a_Nss1,(6Mbps)_4TX	Pass	12G	40G	AV	39.8075G	3.00	-61.09	-61.58	-61.00	-60.90	-55.11	-52.11	-41.20	-10.91
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	12G	40G	AV	39.818G	3.00	-62.02	-60.66	-61.22	-61.32	-55.26	-52.26	-41.20	-11.06
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	12G	40G	AV	39.797G	3.00	-61.05	-61.28	-61.65	-61.28	-55.29	-52.29	-41.20	-11.09
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	12G	40G	AV	39.8355G	3.00	-61.69	-61.37	-60.60	-61.44	-55.23	-52.23	-41.20	-11.03

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



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

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	8G	12G	AV	10.6G	3.00	-71.79				-71.79	-68.79	-41.20	-27.59
5180MHz	Pass	8G	12G	AV	10.969G	3.00	-70.91				-70.91	-67.91	-41.20	-26.71
5180MHz	Pass	12G	40G	AV	15.5385G	3.00	-59.12				-59.12	-56.12	-41.20	-14.92
5180MHz	Pass	8G	12G	PK	9.5985G	3.00	-61.17				-61.17	-58.17	-27.00	-31.17
5180MHz	Pass	8G	12G	PK	10.369G	3.00	-62.56				-62.56	-59.56	-27.00	-32.56
5180MHz	Pass	12G	40G	PK	38.53G	3.00	-53.76				-53.76	-50.76	-27.00	-23.76
5200MHz	Pass	8G	12G	AV	10.6G	3.00	-73.15				-73.15	-70.15	-41.20	-28.95
5200MHz	Pass	8G	12G	AV	10.9895G	3.00	-70.80				-70.80	-67.80	-41.20	-26.60
5200MHz	Pass	12G	40G	AV	15.598G	3.00	-57.58				-57.58	-54.58	-41.20	-13.38
5200MHz	Pass	8G	12G	PK	10.0405G	3.00	-60.59				-60.59	-57.59	-27.00	-30.59
5200MHz	Pass	8G	12G	PK	10.4105G	3.00	-63.43				-63.43	-60.43	-27.00	-33.43
5200MHz	Pass	12G	40G	PK	15.605G	3.00	-47.91				-47.91	-44.91	-21.20	-23.71
5240MHz	Pass	8G	12G	AV	10.6G	3.00	-72.36				-72.36	-69.36	-41.20	-28.16
5240MHz	Pass	8G	12G	AV	10.995G	3.00	-70.61				-70.61	-67.61	-41.20	-26.41
5240MHz	Pass	12G	40G	AV	15.7135G	3.00	-58.12				-58.12	-55.12	-41.20	-13.92
5240MHz	Pass	8G	12G	PK	9.5625G	3.00	-61.28				-61.28	-58.28	-27.00	-31.28
5240MHz	Pass	8G	12G	PK	10.4925G	3.00	-63.54				-63.54	-60.54	-27.00	-33.54
5240MHz	Pass	12G	40G	PK	38.502G	3.00	-53.79				-53.79	-50.79	-27.00	-23.79
5745MHz	Pass	8G	12G	AV	11.342G	3.00	-70.92				-70.92	-67.92	-41.20	-26.72
5745MHz	Pass	8G	12G	AV	11.477G	3.00	-72.15				-72.15	-69.15	-41.20	-27.95
5745MHz	Pass	12G	40G	AV	39.93G	3.00	-61.32				-61.32	-58.32	-41.20	-17.12
5745MHz	Pass	8G	12G	PK	9.6025G	3.00	-59.58				-59.58	-56.58	-27.00	-29.58
5745MHz	Pass	8G	12G	PK	11.4825G	3.00	-62.66				-62.66	-59.66	-21.20	-38.46
5745MHz	Pass	12G	40G	PK	38.4985G	3.00	-53.74				-53.74	-50.74	-27.00	-23.74
5785MHz	Pass	8G	12G	AV	10.95G	3.00	-70.95				-70.95	-67.95	-41.20	-26.75
5785MHz	Pass	8G	12G	AV	11.5575G	3.00	-71.93				-71.93	-68.93	-41.20	-27.73
5785MHz	Pass	12G	40G	AV	39.7935G	3.00	-60.97				-60.97	-57.97	-41.20	-16.77
5785MHz	Pass	8G	12G	PK	10.065G	3.00	-60.86				-60.86	-57.86	-27.00	-30.86
5785MHz	Pass	8G	12G	PK	11.559G	3.00	-62.29				-62.29	-59.29	-21.20	-38.09
5785MHz	Pass	12G	40G	PK	38.1275G	3.00	-54.46				-54.46	-51.46	-27.00	-24.46
5825MHz	Pass	8G	12G	AV	11.0165G	3.00	-70.74				-70.74	-67.74	-41.20	-26.54
5825MHz	Pass	8G	12G	AV	11.652G	3.00	-71.98				-71.98	-68.98	-41.20	-27.78
5825MHz	Pass	12G	40G	AV	39.811G	3.00	-60.95				-60.95	-57.95	-41.20	-16.75
5825MHz	Pass	8G	12G	PK	10.0115G	3.00	-61.07				-61.07	-58.07	-27.00	-31.07
5825MHz	Pass	8G	12G	PK	11.653G	3.00	-62.23				-62.23	-59.23	-21.20	-38.03
5825MHz	Pass	12G	40G	PK	38.369G	3.00	-53.51				-53.51	-50.51	-27.00	-23.51
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8G	12G	AV	10.6G	3.00	-72.99				-72.99	-69.99	-41.20	-28.79
5180MHz	Pass	8G	12G	AV	11.3865G	3.00	-71.02				-71.02	-68.02	-41.20	-26.82
5180MHz	Pass	12G	40G	AV	15.5385G	3.00	-59.55				-59.55	-56.55	-41.20	-15.35
5180MHz	Pass	8G	12G	PK	10.352G	3.00	-62.85				-62.85	-59.85	-27.00	-32.85
5180MHz	Pass	8G	12G	PK	10.5995G	3.00	-61.64				-61.64	-58.64	-27.00	-31.64
5180MHz	Pass	12G	40G	PK	38.4495G	3.00	-54.28				-54.28	-51.28	-27.00	-24.28
5200MHz	Pass	8G	12G	AV	10.6G	3.00	-72.40				-72.40	-69.40	-41.20	-28.20
5200MHz	Pass	8G	12G	AV	10.9355G	3.00	-70.67				-70.67	-67.67	-41.20	-26.47
5200MHz	Pass	12G	40G	AV	15.598G	3.00	-58.21				-58.21	-55.21	-41.20	-14.01
5200MHz	Pass	8G	12G	PK	10.003G	3.00	-61.22				-61.22	-58.22	-27.00	-31.22
5200MHz	Pass	8G	12G	PK	10.411G	3.00	-63.61				-63.61	-60.61	-27.00	-33.61
5200MHz	Pass	12G	40G	PK	38.376G	3.00	-54.27				-54.27	-51.27	-27.00	-24.27
5240MHz	Pass	8G	12G	AV	10.6G	3.00	-73.71				-73.71	-70.71	-41.20	-29.51
5240MHz	Pass	8G	12G	AV	10.984G	3.00	-70.72				-70.72	-67.72	-41.20	-26.52
5240MHz	Pass	12G	40G	AV	15.717G	3.00	-58.59				-58.59	-55.59	-41.20	-14.39
5240MHz	Pass	8G	12G	PK	9.512G	3.00	-61.24				-61.24	-58.24	-27.00	-31.24
5240MHz	Pass	8G	12G	PK	10.481G	3.00	-62.61				-62.61	-59.61	-27.00	-32.61
5240MHz	Pass	12G	40G	PK	38.5405G	3.00	-53.31				-53.31	-50.31	-27.00	-23.31
5745MHz	Pass	8G	12G	AV	10.959G	3.00	-70.72				-70.72	-67.72	-41.20	-26.52
5745MHz	Pass	8G	12G	AV	11.49G	3.00	-71.88				-71.88	-68.88	-41.20	-27.68
5745MHz	Pass	12G	40G	AV	39.818G	3.00	-61.17				-61.17	-58.17	-41.20	-16.97
5745MHz	Pass	8G	12G	PK	9.5645G	3.00	-60.96				-60.96	-57.96	-27.00	-30.96
5745MHz	Pass	8G	12G	PK	11.49G	3.00	-62.40				-62.40	-59.40	-21.20	-38.20
5745MHz	Pass	12G	40G	PK	38.208G	3.00	-54.66				-54.66	-51.66	-27.00	-24.66
5785MHz	Pass	8G	12G	AV	10.866G	3.00	-70.68				-70.68	-67.68	-41.20	-26.48
5785MHz	Pass	8G	12G	AV	11.556G	3.00	-72.25				-72.25	-69.25	-41.20	-28.05
5785MHz	Pass	12G	40G	AV	39.8425G	3.00	-61.13				-61.13	-58.13	-41.20	-16.93
5785MHz	Pass	8G	12G	PK	10.002G	3.00	-61.13				-61.13	-58.13	-27.00	-31.13
5785MHz	Pass	8G	12G	PK	11.576G	3.00	-62.19				-62.19	-59.19	-21.20	-37.99
5785MHz	Pass	12G	40G	PK	37.662G	3.00	-53.44				-53.44	-50.44	-27.00	-23.44
5825MHz	Pass	8G	12G	AV	10.9235G	3.00	-70.86				-70.86	-67.86	-41.20	-26.66