

802.11g_Nss1,(6Mbps)_4TX

CSE Other [AV]

2412MHz 17/08/2022



Limit:AV

EIRP:AV

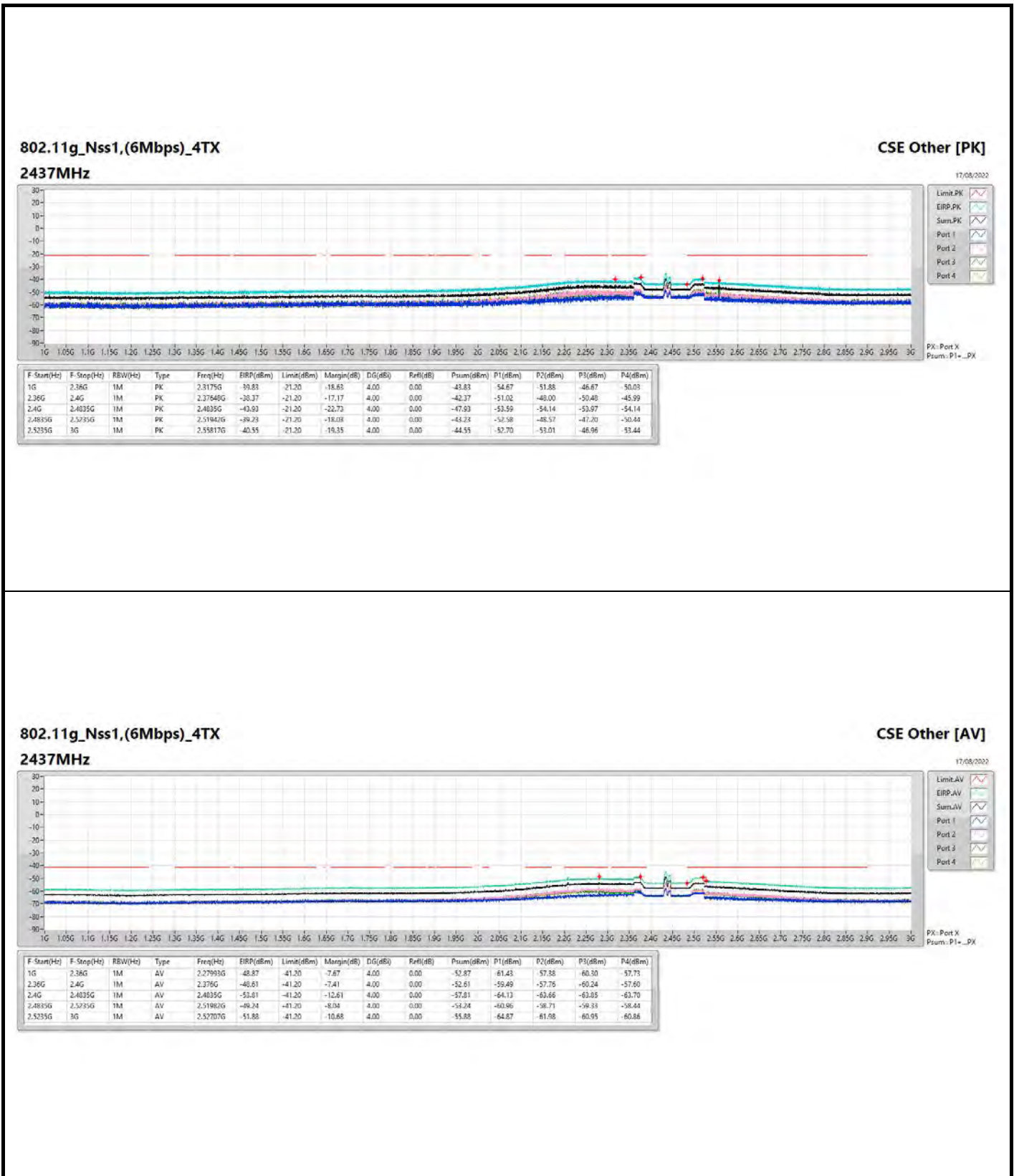
Sum:AV

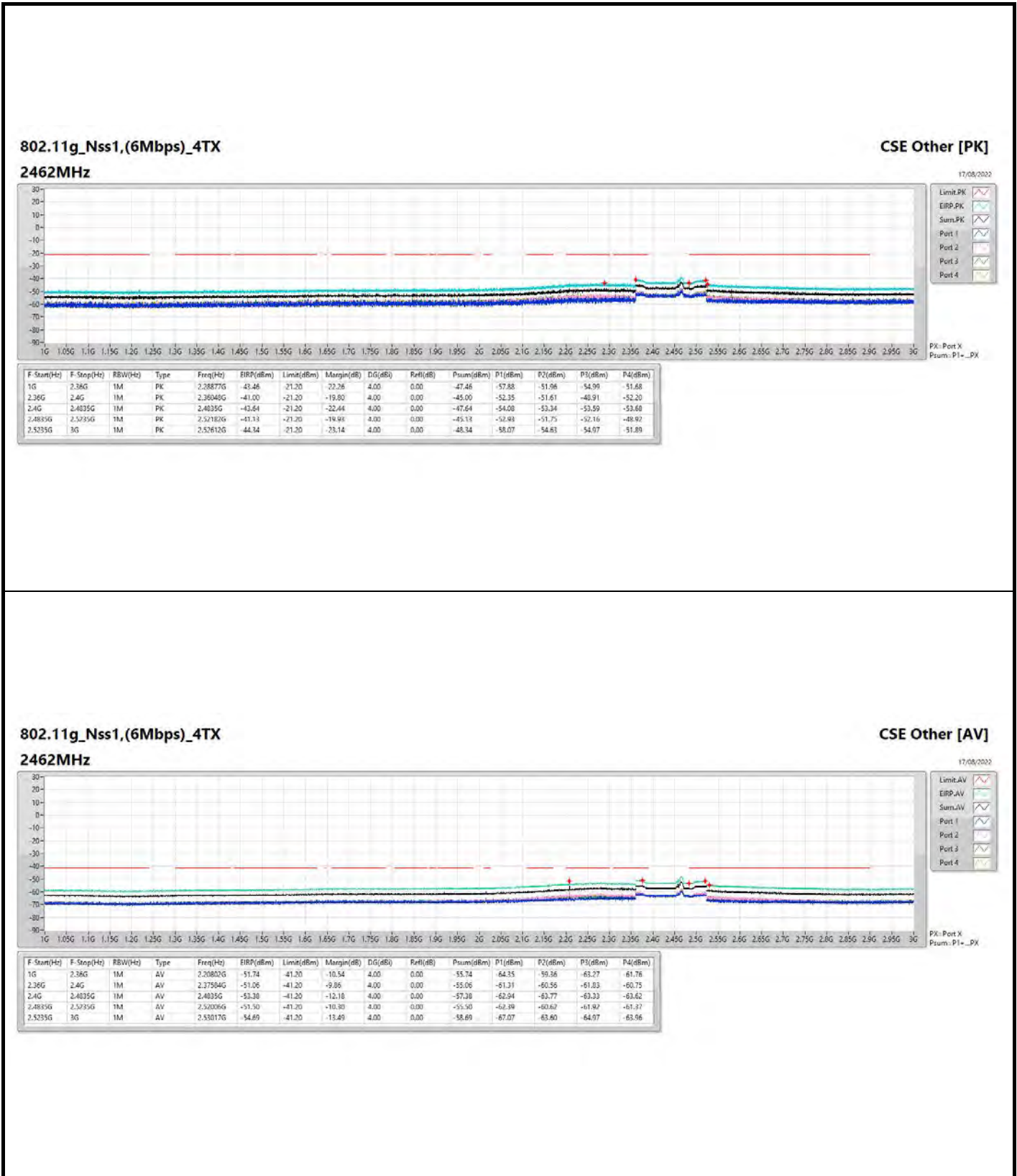
Port 1

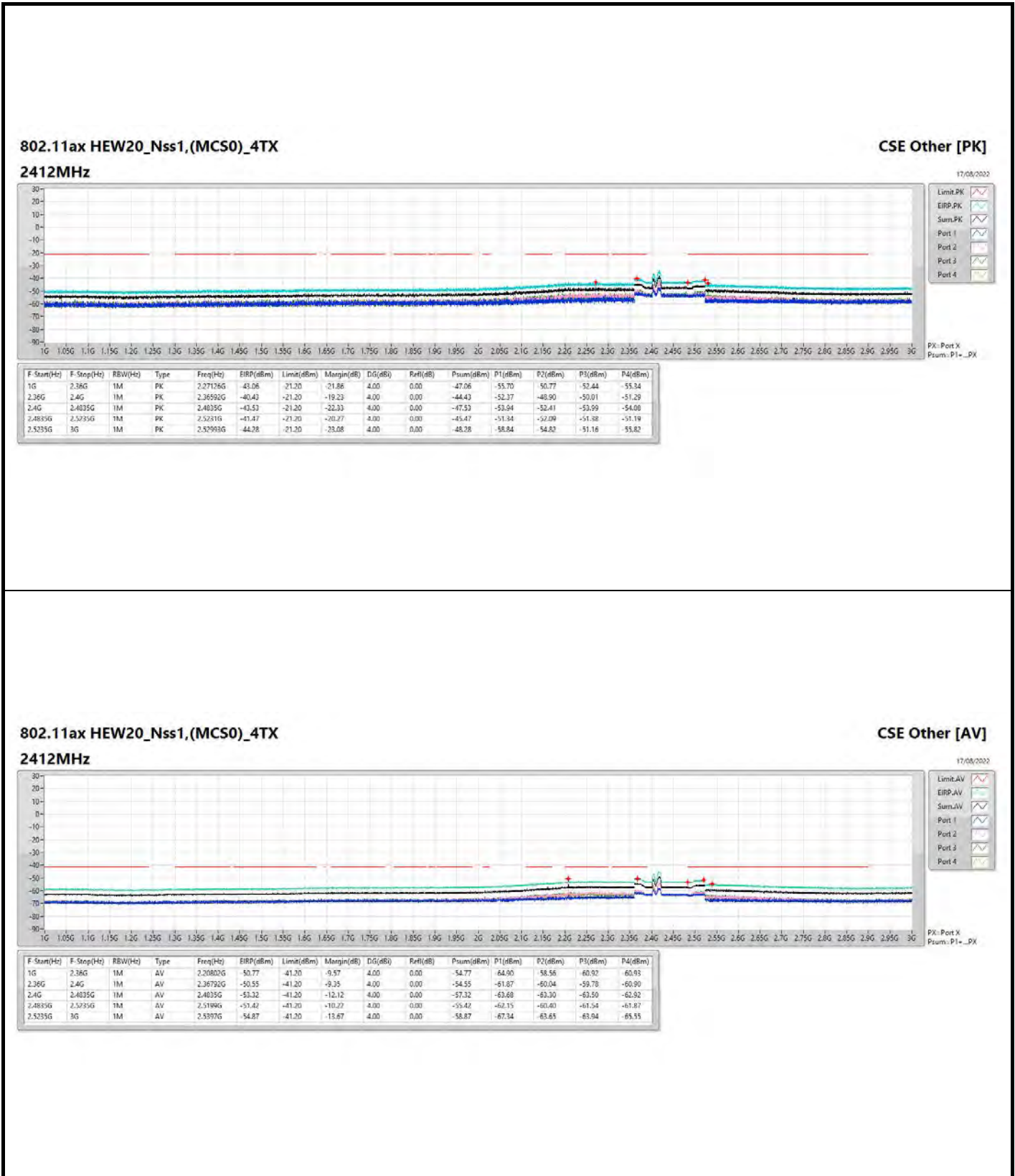
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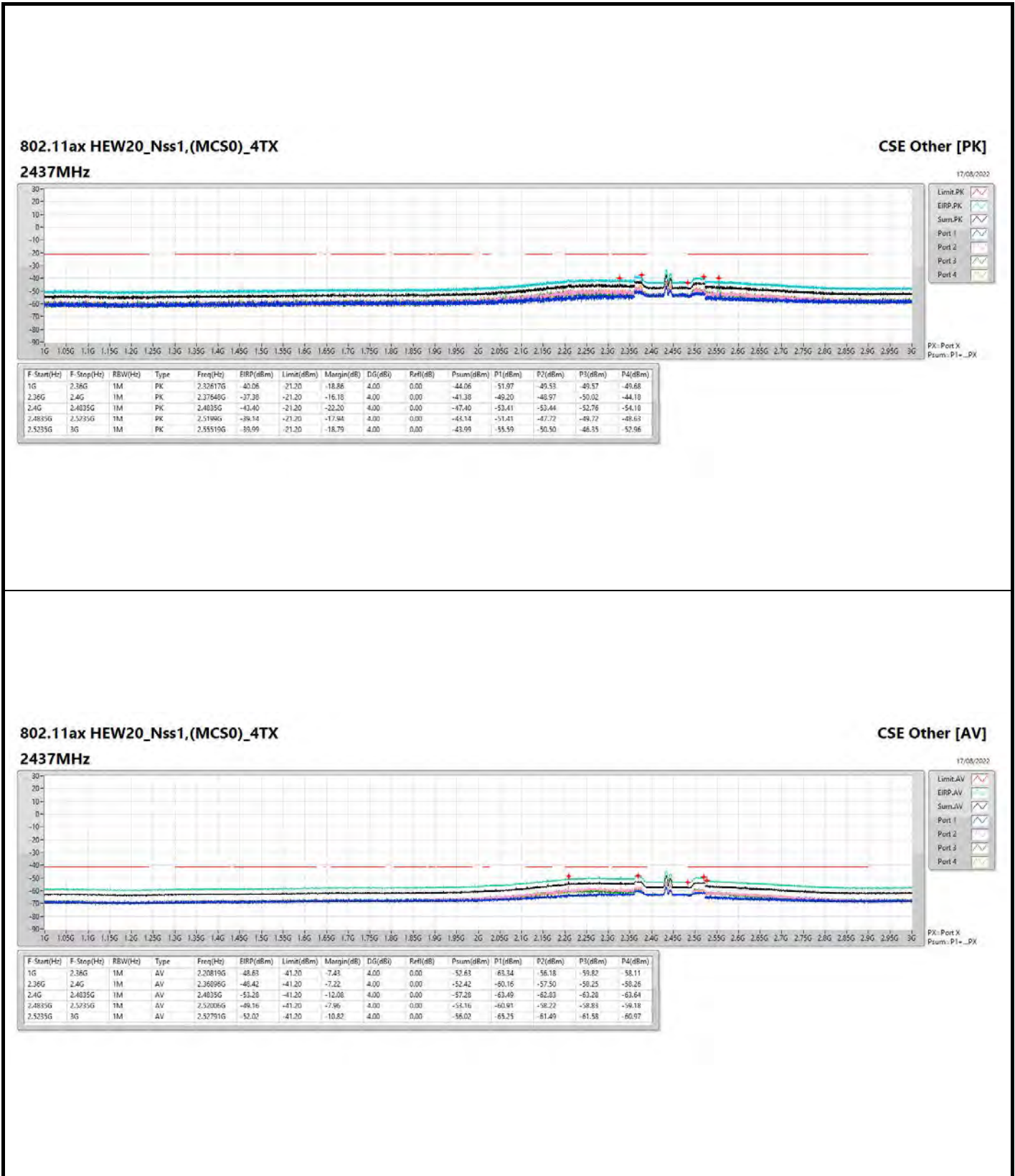
Port 3

Port 4













**CSE (Restricted Band)_Iron R1_Antenna set 11
(Harmonic 3GHz ~ 25GHz)_P to M**

Appendix F.4

Summary

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)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	7.5G	25G	AV	22.2G	4.00	-60.59				-60.59	-56.59	-41.20	-15.39
802.11g_Nss1,(6Mbps)_1TX	Pass	3G	7.5G	AV	7.31156G	4.00	-59.88				-59.88	-55.88	-41.20	-14.68
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	3G	7.5G	AV	7.311G	4.00	-59.85				-59.85	-55.85	-41.20	-14.65
802.11b_Nss1,(1Mbps)_2TX	Pass	3G	7.5G	AV	7.31213G	7.01	-57.15	-50.22			-49.42	-42.41	-41.20	-1.21
802.11g_Nss1,(6Mbps)_2TX	Pass	3G	7.5G	AV	7.3155G	7.01	-62.08	-54.06			-53.42	-46.41	-41.20	-5.21
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	3G	7.5G	AV	7.31719G	7.01	-62.39	-54.31			-53.68	-46.67	-41.20	-5.47
802.11b_Nss1,(1Mbps)_4TX	Pass	3G	7.5G	AV	7.31044G	10.02	-61.58	-55.95	-61.27	-57.43	-52.37	-42.35	-41.20	-1.15
802.11g_Nss1,(6Mbps)_4TX	Pass	7.5G	25G	AV	22.13875G	10.02	-61.19	-61.24	-60.70	-62.19	-55.28	-45.26	-41.20	-4.06
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	3G	7.5G	AV	7.49888G	10.02	-61.56	-60.36	-61.79	-61.63	-55.28	-45.26	-41.20	-4.06

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



**CSE (Restricted Band)_Iron R1_Antenna set 11
(Harmonic 3GHz ~ 25GHz) P to M**

Appendix F.4

Result

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)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3G	7.5G	AV	4.82363G	4.00	-62.18				-62.18	-58.18	-41.20	-16.98
2412MHz	Pass	3G	7.5G	AV	7.47581G	4.00	-60.87				-60.87	-56.87	-41.20	-15.67
2412MHz	Pass	7.5G	25G	AV	22.07531G	4.00	-61.21				-61.21	-57.21	-41.20	-16.01
2412MHz	Pass	3G	7.5G	PK	4.82419G	4.00	-54.24				-54.24	-50.24	-21.20	-29.04
2412MHz	Pass	3G	7.5G	PK	7.48144G	4.00	-49.39				-49.39	-45.39	-21.20	-24.19
2412MHz	Pass	7.5G	25G	PK	22.18031G	4.00	-51.40				-51.40	-47.40	-21.20	-26.20
2437MHz	Pass	3G	7.5G	AV	4.87481G	4.00	-64.62				-64.62	-60.62	-41.20	-19.42
2437MHz	Pass	3G	7.5G	AV	7.48144G	4.00	-61.22				-61.22	-57.22	-41.20	-16.02
2437MHz	Pass	7.5G	25G	AV	22.1125G	4.00	-61.05				-61.05	-57.05	-41.20	-15.85
2437MHz	Pass	3G	7.5G	PK	4.89113G	4.00	-54.79				-54.79	-50.79	-21.20	-29.59
2437MHz	Pass	3G	7.5G	PK	7.46119G	4.00	-50.71				-50.71	-46.71	-21.20	-25.51
2437MHz	Pass	7.5G	25G	PK	22.19781G	4.00	-50.92				-50.92	-46.92	-21.20	-25.72
2462MHz	Pass	3G	7.5G	AV	4.92375G	4.00	-62.07				-62.07	-58.07	-41.20	-16.87
2462MHz	Pass	3G	7.5G	AV	7.49831G	4.00	-61.00				-61.00	-57.00	-41.20	-15.80
2462MHz	Pass	7.5G	25G	AV	22.2G	4.00	-60.59				-60.59	-56.59	-41.20	-15.39
2462MHz	Pass	3G	7.5G	PK	4.92375G	4.00	-54.98				-54.98	-50.98	-21.20	-29.78
2462MHz	Pass	3G	7.5G	PK	7.46231G	4.00	-50.95				-50.95	-46.95	-21.20	-25.75
2462MHz	Pass	7.5G	25G	PK	22.11688G	4.00	-51.15				-51.15	-47.15	-21.20	-25.95
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3G	7.5G	AV	4.818G	4.00	-64.47				-64.47	-60.47	-41.20	-19.27
2412MHz	Pass	3G	7.5G	AV	7.47919G	4.00	-60.92				-60.92	-56.92	-41.20	-15.72
2412MHz	Pass	7.5G	25G	AV	22.08188G	4.00	-60.96				-60.96	-56.96	-41.20	-15.76
2412MHz	Pass	3G	7.5G	PK	4.81238G	4.00	-53.61				-53.61	-49.61	-21.20	-28.41
2412MHz	Pass	3G	7.5G	PK	7.46513G	4.00	-50.35				-50.35	-46.35	-21.20	-25.15
2412MHz	Pass	7.5G	25G	PK	22.21531G	4.00	-51.49				-51.49	-47.49	-21.20	-26.29
2437MHz	Pass	3G	7.5G	AV	4.87031G	4.00	-64.00				-64.00	-60.00	-41.20	-18.80
2437MHz	Pass	3G	7.5G	AV	7.31156G	4.00	-59.88				-59.88	-55.88	-41.20	-14.68
2437MHz	Pass	7.5G	25G	AV	22.11031G	4.00	-60.86				-60.86	-56.86	-41.20	-15.66
2437MHz	Pass	3G	7.5G	PK	4.89169G	4.00	-54.17				-54.17	-50.17	-21.20	-28.97
2437MHz	Pass	3G	7.5G	PK	7.29975G	4.00	-50.55				-50.55	-46.55	-21.20	-25.35
2437MHz	Pass	7.5G	25G	PK	22.26125G	4.00	-50.25				-50.25	-46.25	-21.20	-25.05
2462MHz	Pass	3G	7.5G	AV	4.91363G	4.00	-64.13				-64.13	-60.13	-41.20	-18.93
2462MHz	Pass	3G	7.5G	AV	7.45331G	4.00	-60.85				-60.85	-56.85	-41.20	-15.65
2462MHz	Pass	7.5G	25G	AV	22.11688G	4.00	-60.80				-60.80	-56.80	-41.20	-15.60
2462MHz	Pass	3G	7.5G	PK	4.93669G	4.00	-54.29				-54.29	-50.29	-21.20	-29.09
2462MHz	Pass	3G	7.5G	PK	7.5G	4.00	-50.44				-50.44	-46.44	-21.20	-25.24
2462MHz	Pass	7.5G	25G	PK	22.095G	4.00	-50.95				-50.95	-46.95	-21.20	-25.75
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3G	7.5G	AV	4.83994G	4.00	-64.51				-64.51	-60.51	-41.20	-19.31
2412MHz	Pass	3G	7.5G	AV	7.41563G	4.00	-61.33				-61.33	-57.33	-41.20	-16.13
2412MHz	Pass	7.5G	25G	AV	22.165G	4.00	-60.15				-60.15	-56.15	-41.20	-14.95
2412MHz	Pass	3G	7.5G	PK	4.83656G	4.00	-54.74				-54.74	-50.74	-21.20	-29.54
2412MHz	Pass	3G	7.5G	PK	7.47413G	4.00	-50.14				-50.14	-46.14	-21.20	-24.94
2412MHz	Pass	7.5G	25G	PK	22.2G	4.00	-51.21				-51.21	-47.21	-21.20	-26.01
2437MHz	Pass	3G	7.5G	AV	4.88438G	4.00	-64.20				-64.20	-60.20	-41.20	-19.00
2437MHz	Pass	3G	7.5G	AV	7.311G	4.00	-59.85				-59.85	-55.85	-41.20	-14.65
2437MHz	Pass	7.5G	25G	AV	22.09063G	4.00	-61.18				-61.18	-57.18	-41.20	-15.98
2437MHz	Pass	3G	7.5G	PK	4.85794G	4.00	-54.88				-54.88	-50.88	-21.20	-29.68
2437MHz	Pass	3G	7.5G	PK	7.46175G	4.00	-50.51				-50.51	-46.51	-21.20	-25.31
2437MHz	Pass	7.5G	25G	PK	22.23719G	4.00	-51.21				-51.21	-47.21	-21.20	-26.01
2462MHz	Pass	3G	7.5G	AV	4.91306G	4.00	-64.16				-64.16	-60.16	-41.20	-18.96
2462MHz	Pass	3G	7.5G	AV	7.4865G	4.00	-60.51				-60.51	-56.51	-41.20	-15.31
2462MHz	Pass	7.5G	25G	AV	22.17156G	4.00	-60.95				-60.95	-56.95	-41.20	-15.75
2462MHz	Pass	3G	7.5G	PK	4.926G	4.00	-54.01				-54.01	-50.01	-21.20	-28.81
2462MHz	Pass	3G	7.5G	PK	7.46456G	4.00	-51.02				-51.02	-47.02	-21.20	-25.82
2462MHz	Pass	7.5G	25G	PK	22.10594G	4.00	-51.13				-51.13	-47.13	-21.20	-25.93
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3G	7.5G	AV	4.82363G	7.01	-61.88	-58.68			-56.98	-49.97	-41.20	-8.77
2412MHz	Pass	7.5G	25G	AV	22.15625G	7.01	-61.73	-60.61			-58.12	-51.11	-41.20	-9.91
2412MHz	Pass	3G	7.5G	PK	4.82363G	7.01	-56.03	-51.98			-50.54	-43.53	-21.20	-22.33
2412MHz	Pass	3G	7.5G	PK	7.482G	7.01	-53.96	-50.26			-48.72	-41.71	-21.20	-20.51
2412MHz	Pass	7.5G	25G	PK	22.05344G	7.01	-53.62	-50.63			-48.86	-41.85	-21.20	-20.65
2437MHz	Pass	3G	7.5G	AV	4.89225G	7.01	-64.51	-64.25			-61.37	-54.36	-41.20	-13.16
2437MHz	Pass	3G	7.5G	AV	7.31213G	7.01	-57.15	-50.22			-49.42	-42.41	-41.20	-1.21
2437MHz	Pass	7.5G	25G	AV	22.05125G	7.01	-61.39	-60.94			-58.15	-51.14	-41.20	-9.94
2437MHz	Pass	3G	7.5G	PK	4.87256G	7.01	-55.16	-54.02			-51.54	-44.53	-21.20	-23.33
2437MHz	Pass	3G	7.5G	PK	7.31213G	7.01	-51.07	-45.58			-44.50	-37.49	-21.20	-16.29
2437MHz	Pass	7.5G	25G	PK	22.09281G	7.01	-52.47	-50.91			-48.61	-41.60	-21.20	-20.40



**CSE (Restricted Band)_Iron R1_Antenna set 11
(Harmonic 3GHz ~ 25GHz) P to M**

Appendix F.4

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dB)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2462MHz	Pass	3G	7.5G	AV	4.92375G	7.01	-63.13	-61.04			-58.95	-51.94	-41.20	-10.74
2462MHz	Pass	3G	7.5G	AV	7.38525G	7.01	-62.20	-54.06			-53.44	-46.43	-41.20	-5.23
2462MHz	Pass	7.5G	25G	AV	22.07094G	7.01	-60.76	-61.88			-58.27	-51.26	-41.20	-10.06
2462MHz	Pass	3G	7.5G	PK	4.92375G	7.01	-57.41	-53.48			-52.00	-44.99	-21.20	-23.79
2462MHz	Pass	3G	7.5G	PK	7.38694G	7.01	-51.43	-49.15			-47.13	-40.12	-21.20	-18.92
2462MHz	Pass	7.5G	25G	PK	22.17156G	7.01	-50.88	-52.29			-48.52	-41.51	-21.20	-20.31
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3G	7.5G	AV	4.81294G	7.01	-64.25	-64.79			-61.50	-54.49	-41.20	-13.29
2412MHz	Pass	3G	7.5G	AV	7.49381G	7.01	-61.86	-60.53			-58.13	-51.12	-41.20	-9.92
2412MHz	Pass	7.5G	25G	AV	22.01844G	7.01	-61.27	-61.07			-58.16	-51.15	-41.20	-9.95
2412MHz	Pass	3G	7.5G	PK	4.83263G	7.01	-53.27	-55.62			-51.28	-44.27	-21.20	-23.07
2412MHz	Pass	3G	7.5G	PK	7.49719G	7.01	-52.14	-51.50			-48.80	-41.79	-21.20	-20.59
2412MHz	Pass	7.5G	25G	PK	22.23719G	7.01	-50.74	-53.43			-48.87	-41.86	-21.20	-20.66
2437MHz	Pass	3G	7.5G	AV	4.88719G	7.01	-63.90	-64.70			-61.27	-54.26	-41.20	-13.06
2437MHz	Pass	3G	7.5G	AV	7.3155G	7.01	-62.08	-54.06			-53.42	-46.41	-41.20	-5.21
2437MHz	Pass	7.5G	25G	AV	22.06875G	7.01	-60.83	-61.27			-58.03	-51.02	-41.20	-9.82
2437MHz	Pass	3G	7.5G	PK	4.87706G	7.01	-55.03	-54.48			-51.74	-44.73	-21.20	-23.53
2437MHz	Pass	3G	7.5G	PK	7.31325G	7.01	-52.27	-44.60			-43.91	-36.90	-21.20	-15.70
2437MHz	Pass	7.5G	25G	PK	22.17594G	7.01	-50.03	-53.59			-48.44	-41.43	-21.20	-20.23
2462MHz	Pass	3G	7.5G	AV	4.917G	7.01	-64.74	-64.09			-61.39	-54.38	-41.20	-13.18
2462MHz	Pass	3G	7.5G	AV	7.38356G	7.01	-61.84	-60.50			-58.11	-51.10	-41.20	-9.90
2462MHz	Pass	7.5G	25G	AV	22.16719G	7.01	-60.76	-62.16			-58.39	-51.38	-41.20	-10.18
2462MHz	Pass	3G	7.5G	PK	4.93781G	7.01	-55.86	-53.73			-51.66	-44.65	-21.20	-23.45
2462MHz	Pass	3G	7.5G	PK	7.49719G	7.01	-51.39	-52.57			-48.93	-41.92	-21.20	-20.72
2462MHz	Pass	7.5G	25G	PK	22.08406G	7.01	-52.44	-50.53			-48.37	-41.36	-21.20	-20.16
802.11ax_HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3G	7.5G	AV	4.82869G	7.01	-64.42	-64.52			-61.46	-54.45	-41.20	-13.25
2412MHz	Pass	3G	7.5G	AV	7.45725G	7.01	-60.95	-61.71			-58.20	-51.29	-41.20	-10.09
2412MHz	Pass	7.5G	25G	AV	22.07531G	7.01	-60.95	-61.32			-58.12	-51.11	-41.20	-9.91
2412MHz	Pass	3G	7.5G	PK	4.80675G	7.01	-54.72	-54.62			-51.66	-44.65	-21.20	-23.45
2412MHz	Pass	3G	7.5G	PK	7.47413G	7.01	-50.92	-52.76			-48.73	-41.72	-21.20	-20.52
2412MHz	Pass	7.5G	25G	PK	22.15844G	7.01	-53.88	-50.63			-48.95	-41.94	-21.20	-20.74
2437MHz	Pass	3G	7.5G	AV	4.8765G	7.01	-64.27	-64.39			-61.32	-54.31	-41.20	-13.11
2437MHz	Pass	3G	7.5G	AV	7.31719G	7.01	-62.39	-54.31			-53.68	-46.67	-41.20	-5.47
2437MHz	Pass	7.5G	25G	AV	22.15188G	7.01	-60.95	-61.34			-58.13	-51.12	-41.20	-9.92
2437MHz	Pass	3G	7.5G	PK	4.87706G	7.01	-53.24	-56.31			-51.50	-44.49	-21.20	-23.29
2437MHz	Pass	3G	7.5G	PK	7.31381G	7.01	-52.21	-45.21			-44.42	-37.41	-21.20	-16.21
2437MHz	Pass	7.5G	25G	PK	22.01625G	7.01	-52.31	-51.58			-48.92	-41.91	-21.20	-20.71
2462MHz	Pass	3G	7.5G	AV	4.91925G	7.01	-64.82	-64.54			-61.67	-54.66	-41.20	-13.46
2462MHz	Pass	3G	7.5G	AV	7.48931G	7.01	-61.35	-60.87			-58.09	-51.08	-41.20	-9.88
2462MHz	Pass	7.5G	25G	AV	22.11469G	7.01	-61.05	-61.18			-58.10	-51.09	-41.20	-9.89
2462MHz	Pass	3G	7.5G	PK	4.926G	7.01	-55.68	-54.60			-52.10	-45.09	-21.20	-23.89
2462MHz	Pass	3G	7.5G	PK	7.44825G	7.01	-53.08	-50.07			-48.31	-41.30	-21.20	-20.10
2462MHz	Pass	7.5G	25G	PK	22.04688G	7.01	-50.88	-52.51			-48.61	-41.60	-21.20	-20.40
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3G	7.5G	AV	4.82419G	10.02	-63.86	-62.46	-60.81	-60.34	-55.63	-45.61	-41.20	-4.41
2412MHz	Pass	3G	7.5G	AV	7.49381G	10.02	-61.74	-61.96	-60.98	-61.62	-55.54	-45.52	-41.20	-4.32
2412MHz	Pass	7.5G	25G	AV	22.19781G	10.02	-60.69	-61.92	-61.81	-61.11	-55.33	-45.31	-41.20	-4.11
2412MHz	Pass	3G	7.5G	PK	4.82363G	10.02	-55.70	-55.83	-54.02	-54.57	-48.94	-38.92	-21.20	-17.72
2412MHz	Pass	3G	7.5G	PK	7.47469G	10.02	-52.14	-52.16	-52.02	-51.05	-45.80	-35.78	-21.20	-14.58
2412MHz	Pass	7.5G	25G	PK	22.14094G	10.02	-52.18	-51.69	-52.54	-53.81	-46.47	-36.45	-21.20	-15.25
2437MHz	Pass	3G	7.5G	AV	4.8765G	10.02	-64.87	-64.15	-64.19	-65.59	-58.64	-48.62	-41.20	-7.42
2437MHz	Pass	3G	7.5G	AV	7.31044G	10.02	-61.58	-55.95	-61.27	-57.43	-52.37	-42.35	-41.20	-1.15
2437MHz	Pass	7.5G	25G	AV	22.0425G	10.02	-60.79	-61.37	-61.62	-61.77	-55.35	-45.33	-41.20	-4.13
2437MHz	Pass	3G	7.5G	PK	4.87425G	10.02	-56.16	-55.42	-55.30	-54.18	-49.19	-39.17	-21.20	-17.97
2437MHz	Pass	3G	7.5G	PK	7.31044G	10.02	-52.64	-50.00	-54.36	-50.73	-45.60	-35.58	-21.20	-14.38
2437MHz	Pass	7.5G	25G	PK	22.14969G	10.02	-53.01	-52.53	-50.78	-54.01	-46.40	-36.38	-21.20	-15.18
2462MHz	Pass	3G	7.5G	AV	4.92375G	10.02	-64.45	-62.74	-61.41	-61.88	-56.45	-46.43	-41.20	-5.23
2462MHz	Pass	3G	7.5G	AV	7.38694G	10.02	-62.75	-57.57	-62.97	-61.30	-54.53	-44.51	-41.20	-3.31
2462MHz	Pass	7.5G	25G	AV	22.16938G	10.02	-61.09	-61.03	-61.51	-61.58	-55.28	-45.26	-41.20	-4.06
2462MHz	Pass	3G	7.5G	PK	4.92431G	10.02	-55.67	-54.54	-55.46	-54.61	-49.02	-39.00	-21.20	-17.80
2462MHz	Pass	3G	7.5G	PK	7.48256G	10.02	-51.70	-54.77	-51.11	-52.29	-46.24	-36.22	-21.20	-15.02
2462MHz	Pass	7.5G	25G	PK	22.01625G	10.02	-52.83	-49.22	-54.72	-54.97	-46.25	-36.23	-21.20	-15.03
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3G	7.5G	AV	4.81238G	10.02	-64.64	-65.33	-63.95	-64.65	-58.59	-48.57	-41.20	-7.37
2412MHz	Pass	3G	7.5G	AV	7.49044G	10.02	-60.49	-62.24	-61.58	-61.35	-55.35	-45.33	-41.20	-4.13
2412MHz	Pass	7.5G	25G	AV	22.07313G	10.02	-61.81	-61.33	-60.88	-61.90	-55.44	-45.42	-41.20	-4.22
2412MHz	Pass	3G	7.5G	PK	4.83656G	10.02	-54.08	-56.42	-55.63	-55.80	-49.37	-39.35	-21.20	-18.15
2412MHz	Pass	3G	7.5G	PK	7.4685G	10.02	-51.20	-52.27	-53.02	-53.32	-46.35	-36.33	-21.20	-15.13
2412MHz	Pass	7.5G	25G	PK	22.01188G	10.02	-50.84	-52.44	-51.42	-52.89	-45.80	-35.78	-21.20	-14.58

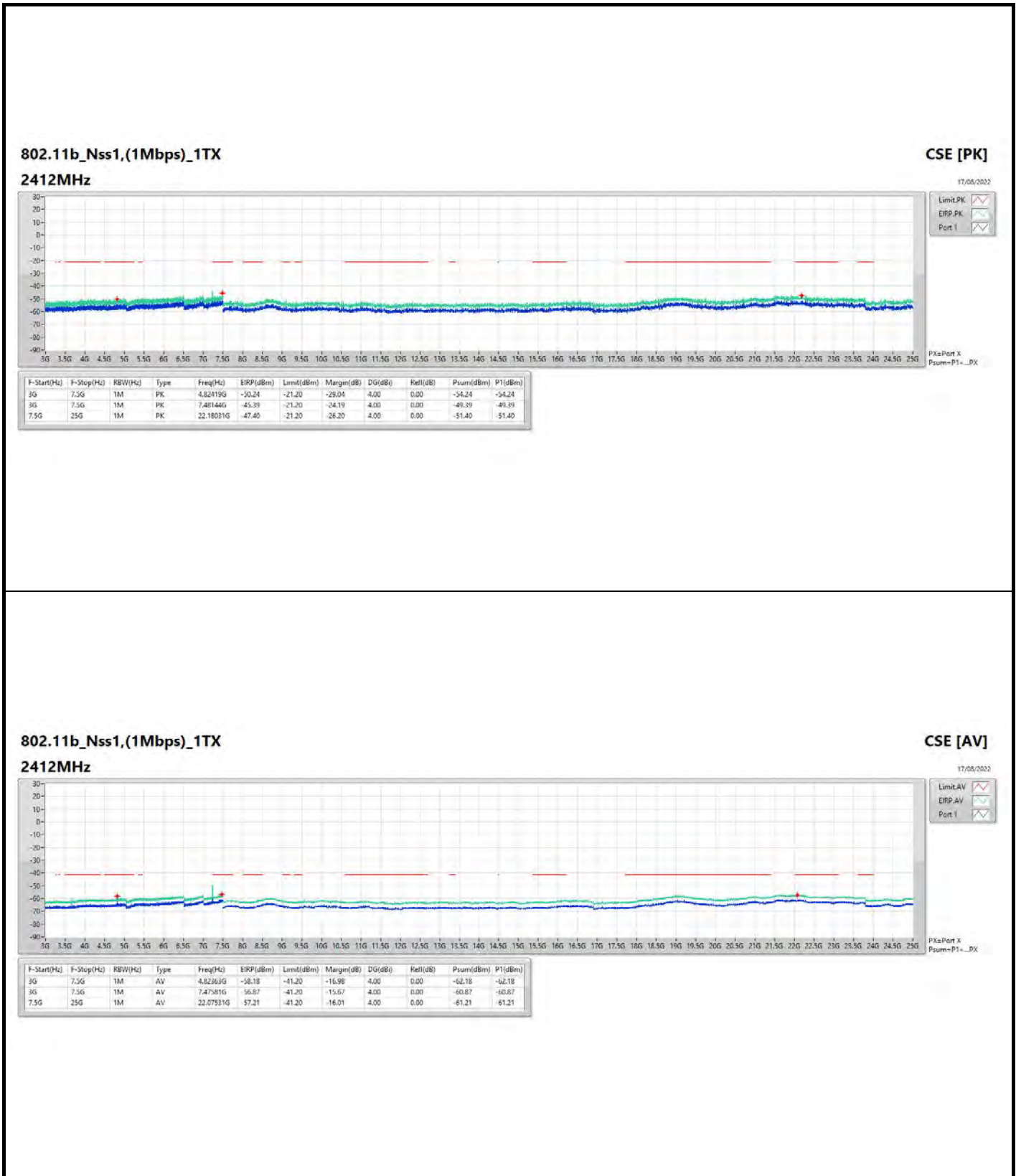


**CSE (Restricted Band)_Iron R1_Antenna set 11
(Harmonic 3GHz ~ 25GHz) P to M**

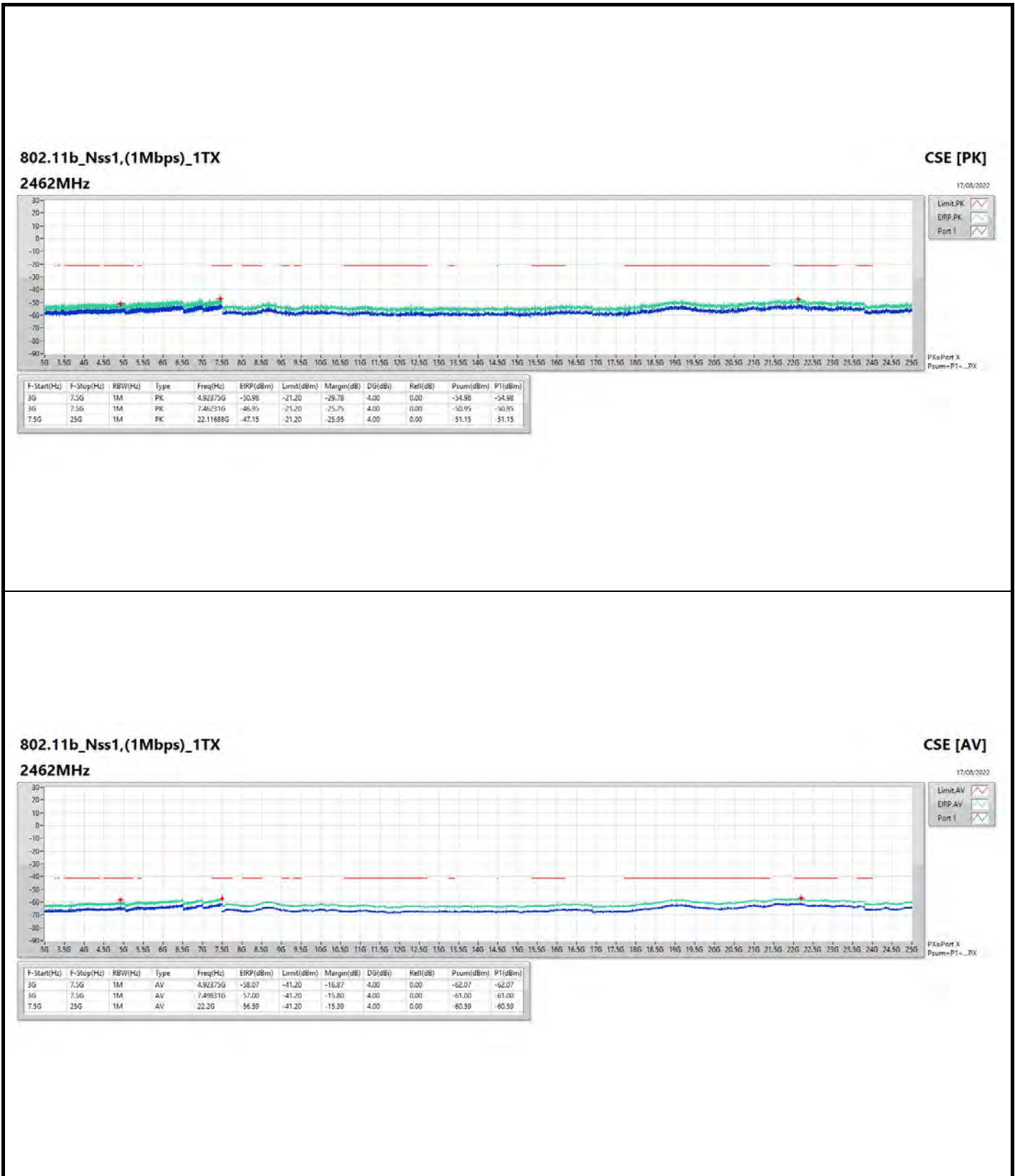
Appendix F.4

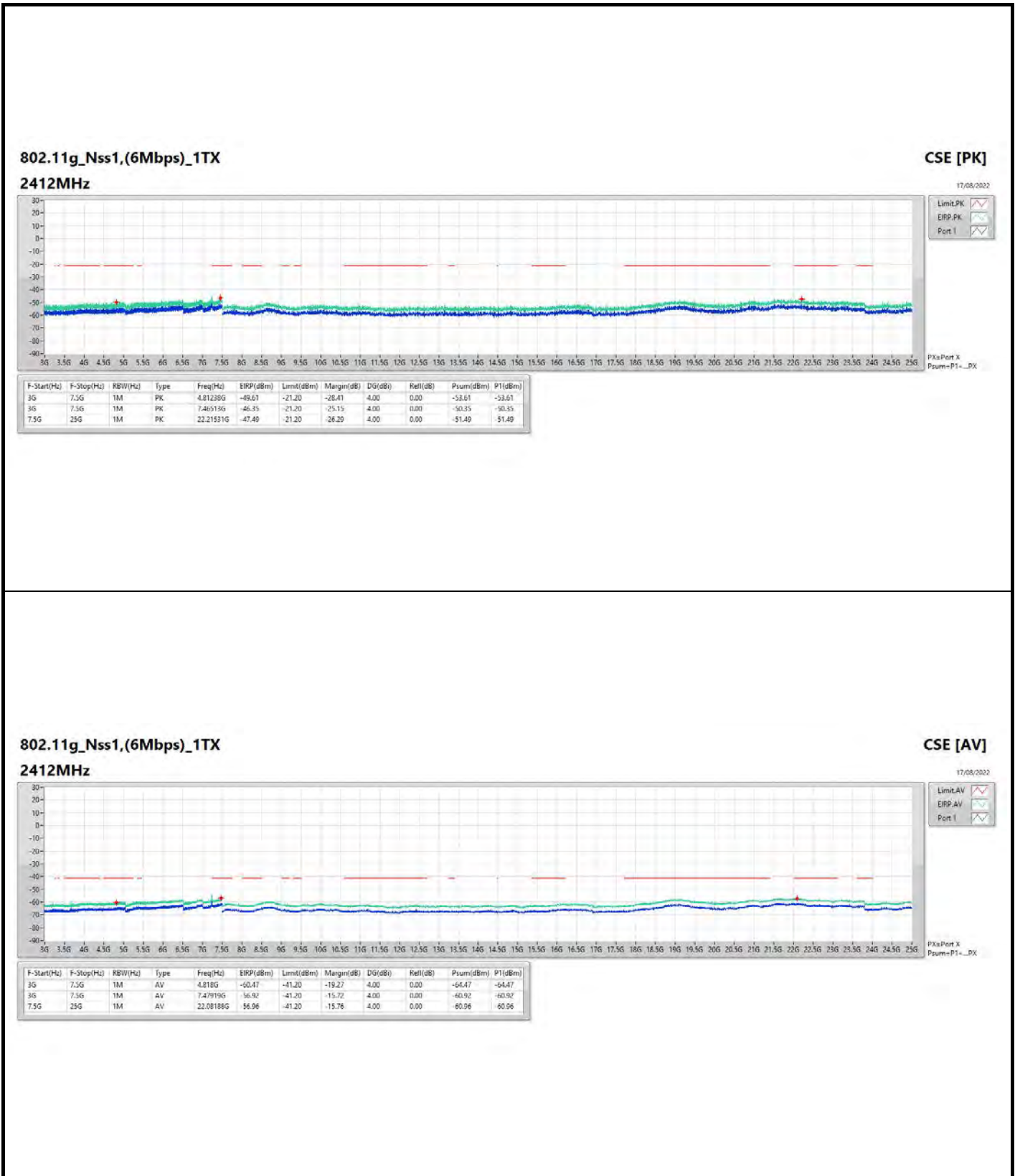
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	P3 (dBm)	P4 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2437MHz	Pass	3G	7.5G	AV	4.87706G	10.02	-65.25	-64.62	-64.18	-64.19	-58.52	-48.50	-41.20	-7.30
2437MHz	Pass	7.5G	7.5G	AV	7.49381G	10.02	-60.91	-61.78	-61.35	-61.36	-55.32	-45.30	-41.20	-4.10
2437MHz	Pass	3G	25G	AV	22.13875G	10.02	-61.19	-61.24	-60.70	-62.19	-55.28	-45.26	-41.20	-4.06
2437MHz	Pass	3G	7.5G	PK	4.88213G	10.02	-54.56	-56.83	-55.92	-54.86	-49.43	-39.41	-21.20	-18.21
2437MHz	Pass	3G	7.5G	PK	7.48819G	10.02	-50.59	-52.63	-51.77	-53.29	-45.93	-35.91	-21.20	-14.71
2437MHz	Pass	7.5G	25G	PK	22.14969G	10.02	-53.42	-53.03	-50.44	-53.77	-46.43	-36.41	-21.20	-15.21
2462MHz	Pass	3G	7.5G	AV	4.91475G	10.02	-64.86	-64.42	-65.03	-63.76	-58.47	-48.45	-41.20	-7.25
2462MHz	Pass	3G	7.5G	AV	7.49606G	10.02	-60.83	-61.59	-61.82	-61.93	-55.50	-45.48	-41.20	-4.28
2462MHz	Pass	7.5G	25G	AV	22.02719G	10.02	-60.95	-61.77	-61.10	-61.71	-55.35	-45.33	-41.20	-4.13
2462MHz	Pass	3G	7.5G	PK	4.93219G	10.02	-54.89	-54.94	-56.38	-55.22	-49.30	-39.28	-21.20	-18.08
2462MHz	Pass	3G	7.5G	PK	7.45613G	10.02	-52.67	-53.51	-49.87	-52.77	-45.94	-35.92	-21.20	-14.72
2462MHz	Pass	7.5G	25G	PK	22.14094G	10.02	-53.07	-51.79	-52.20	-51.02	-45.94	-35.92	-21.20	-14.72
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3G	7.5G	AV	4.82981G	10.02	-65.42	-64.26	-64.03	-65.12	-58.65	-48.63	-41.20	-7.43
2412MHz	Pass	7.5G	7.5G	AV	7.49888G	10.02	-61.56	-60.36	-61.79	-61.63	-55.28	-45.26	-41.20	-4.06
2412MHz	Pass	3G	25G	AV	22.11906G	10.02	-61.54	-61.68	-61.15	-61.48	-55.44	-45.42	-41.20	-4.22
2412MHz	Pass	3G	7.5G	PK	4.82025G	10.02	-54.43	-55.73	-56.91	-54.73	-49.33	-39.31	-21.20	-18.11
2412MHz	Pass	3G	7.5G	PK	7.45388G	10.02	-52.49	-51.29	-51.49	-52.68	-45.92	-35.90	-21.20	-14.70
2412MHz	Pass	7.5G	25G	PK	22.07969G	10.02	-53.64	-52.49	-50.30	-53.63	-46.27	-36.25	-21.20	-15.05
2437MHz	Pass	3G	7.5G	AV	4.88156G	10.02	-64.25	-64.34	-64.09	-64.55	-58.28	-48.26	-41.20	-7.06
2437MHz	Pass	3G	7.5G	AV	7.31213G	10.02	-62.73	-60.13	-62.81	-60.49	-55.35	-45.33	-41.20	-4.13
2437MHz	Pass	7.5G	25G	AV	22.13219G	10.02	-61.52	-61.98	-61.65	-60.57	-55.38	-45.36	-41.20	-4.16
2437MHz	Pass	3G	7.5G	PK	4.87763G	10.02	-55.28	-54.86	-56.65	-53.95	-49.06	-39.04	-21.20	-17.84
2437MHz	Pass	3G	7.5G	PK	7.49325G	10.02	-50.13	-54.82	-51.19	-53.76	-46.05	-36.03	-21.20	-14.83
2437MHz	Pass	7.5G	25G	PK	22.09281G	10.02	-52.00	-52.55	-52.09	-52.84	-46.34	-36.32	-21.20	-15.12
2462MHz	Pass	3G	7.5G	AV	4.93725G	10.02	-63.74	-65.06	-65.27	-64.76	-58.65	-48.63	-41.20	-7.43
2462MHz	Pass	3G	7.5G	AV	7.48031G	10.02	-61.96	-61.41	-61.81	-61.13	-55.54	-45.52	-41.20	-4.32
2462MHz	Pass	7.5G	25G	AV	22.07094G	10.02	-61.19	-61.66	-60.99	-61.86	-55.39	-45.37	-41.20	-4.17
2462MHz	Pass	3G	7.5G	PK	4.9215G	10.02	-53.76	-56.50	-56.51	-54.34	-49.08	-39.06	-21.20	-17.86
2462MHz	Pass	3G	7.5G	PK	7.49606G	10.02	-53.85	-49.43	-53.01	-53.10	-45.95	-35.93	-21.20	-14.73
2462MHz	Pass	7.5G	25G	PK	22.19125G	10.02	-50.57	-52.75	-52.61	-53.75	-46.24	-36.22	-21.20	-15.02

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



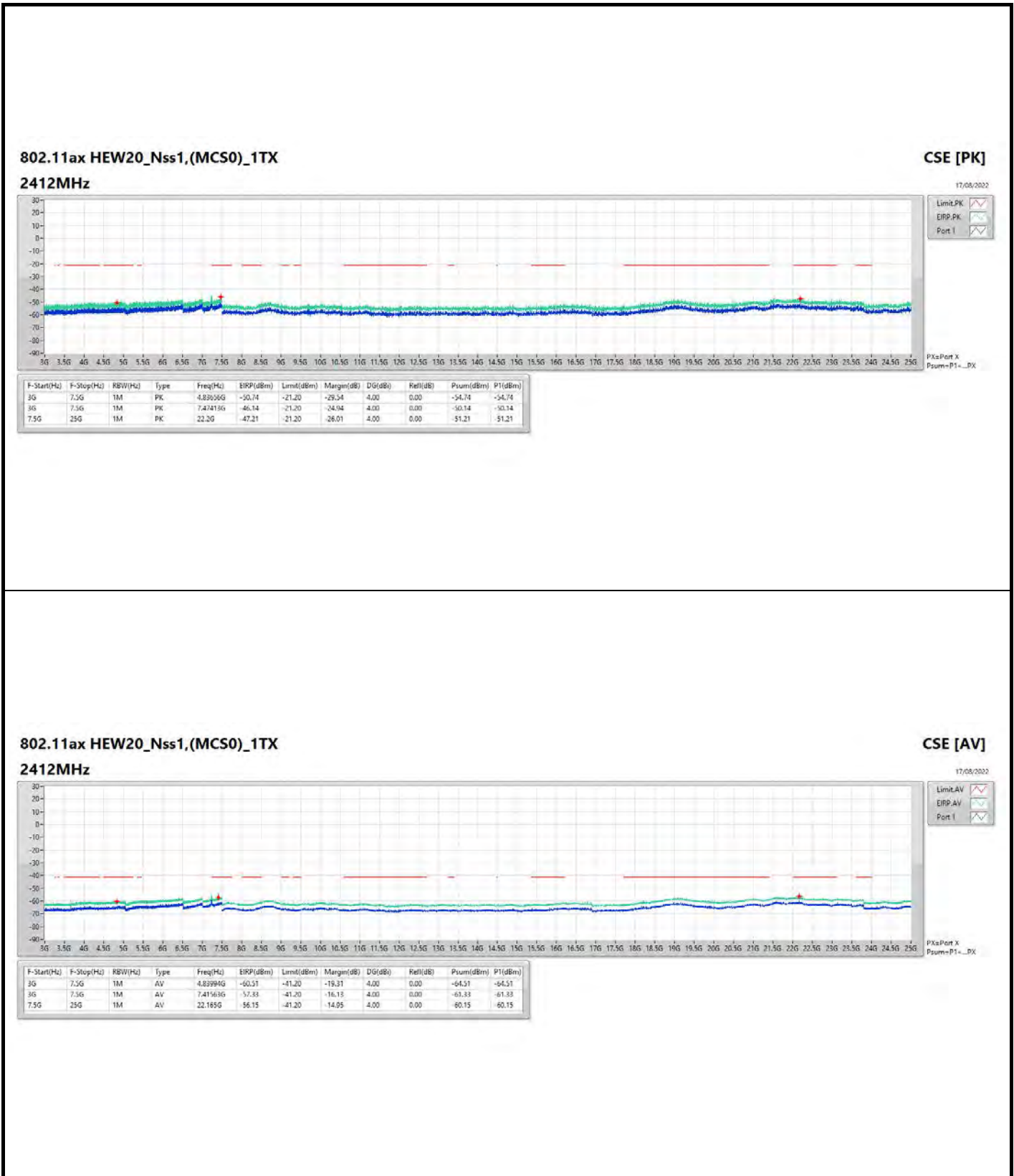


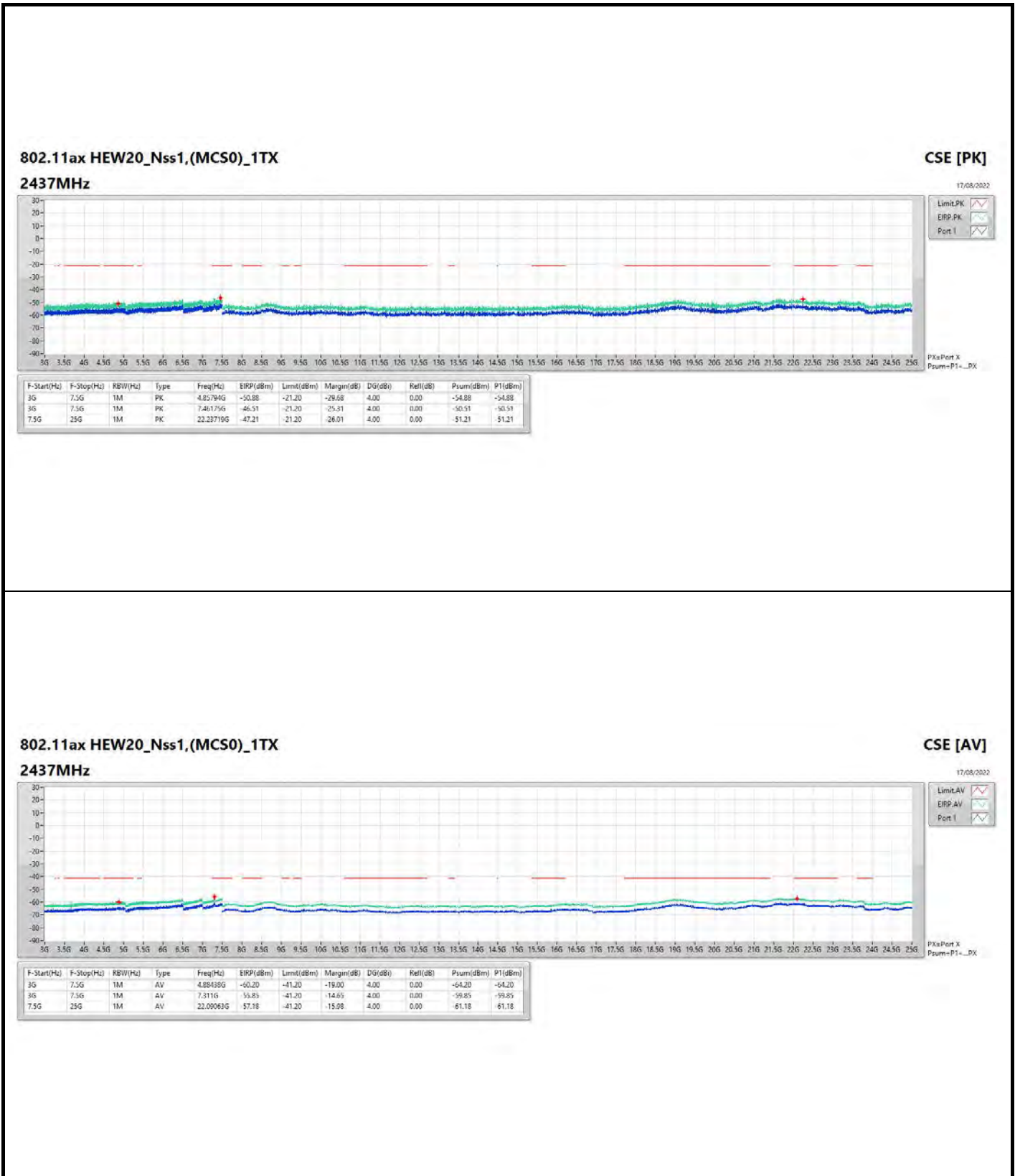




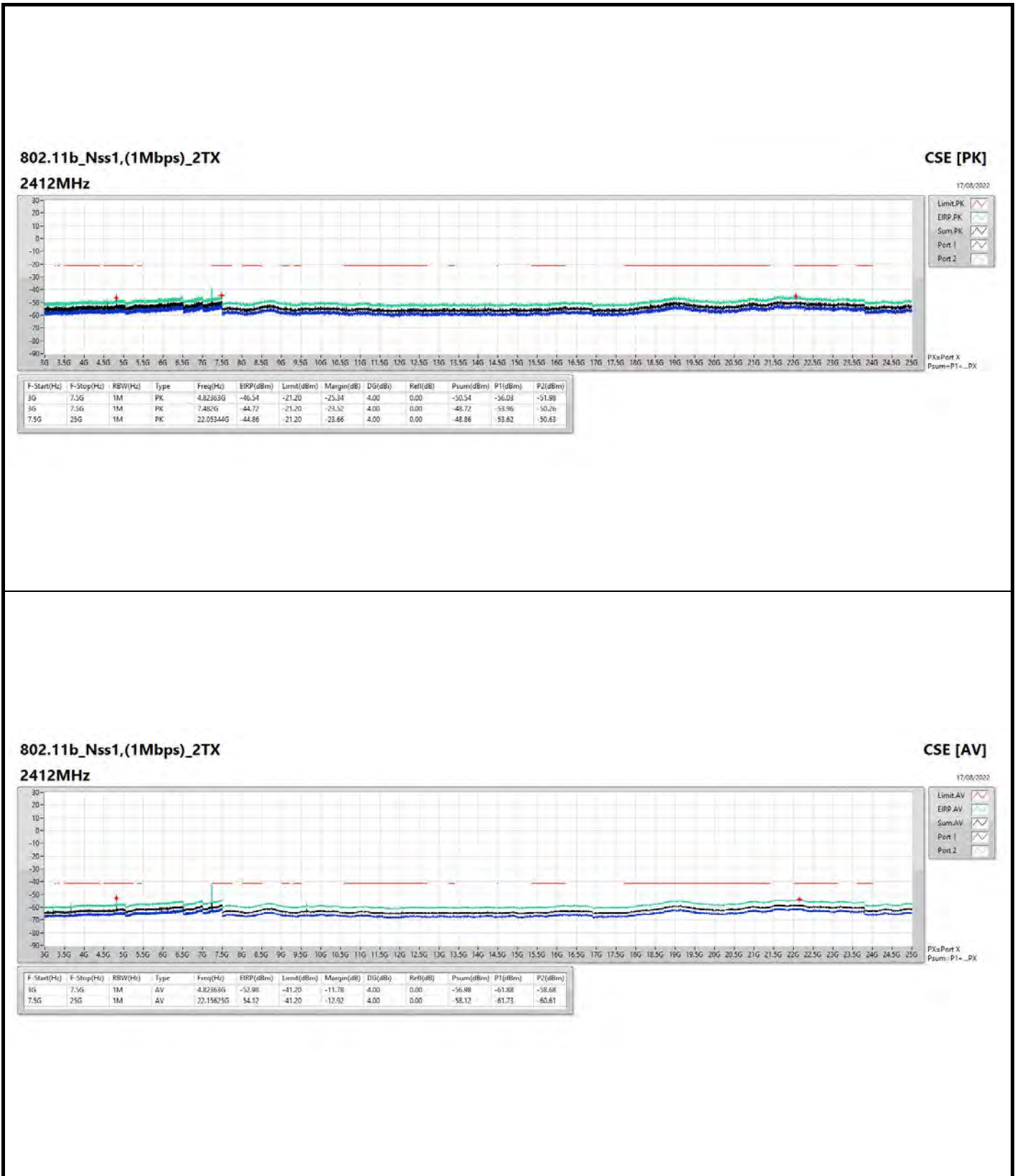


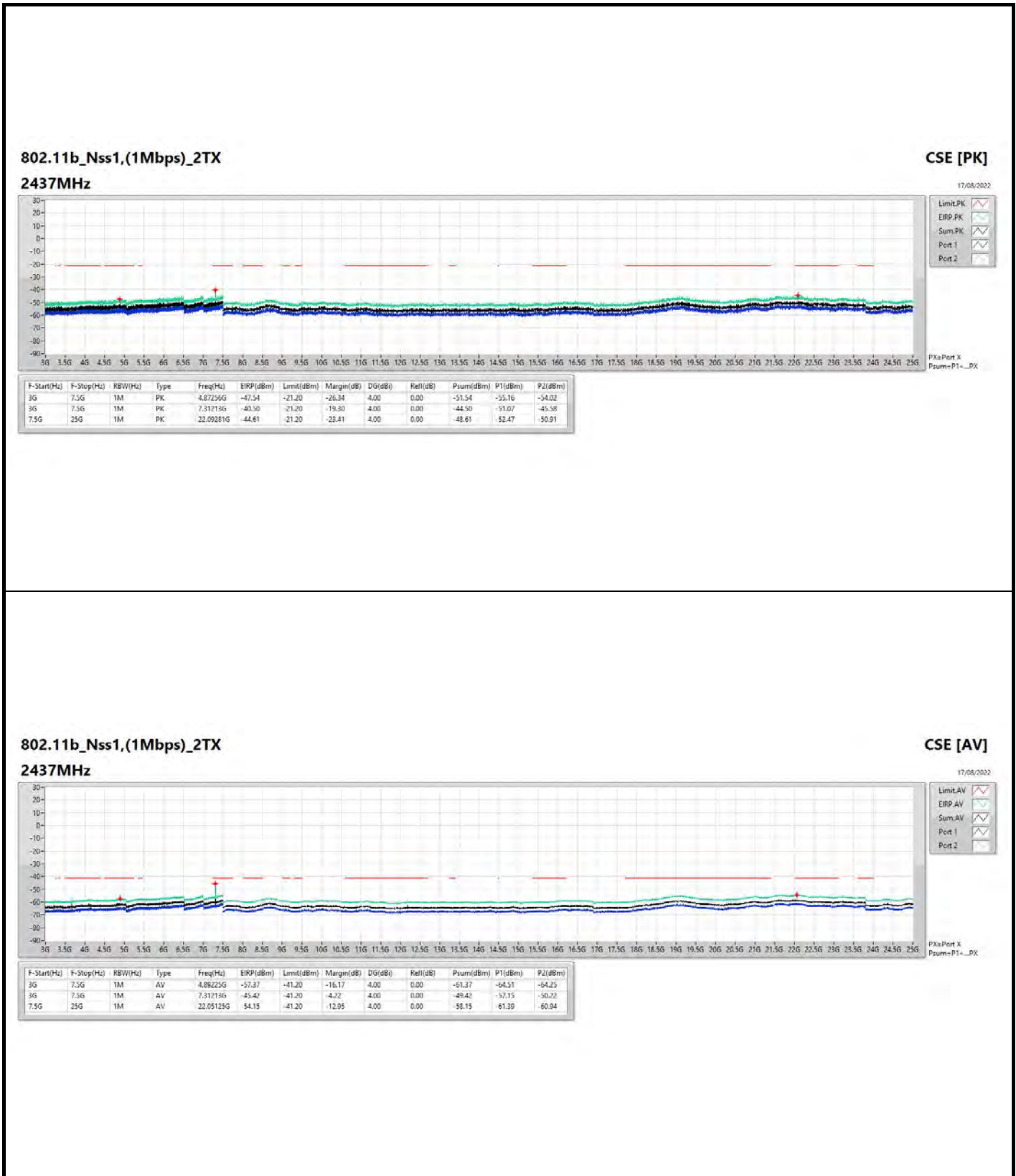


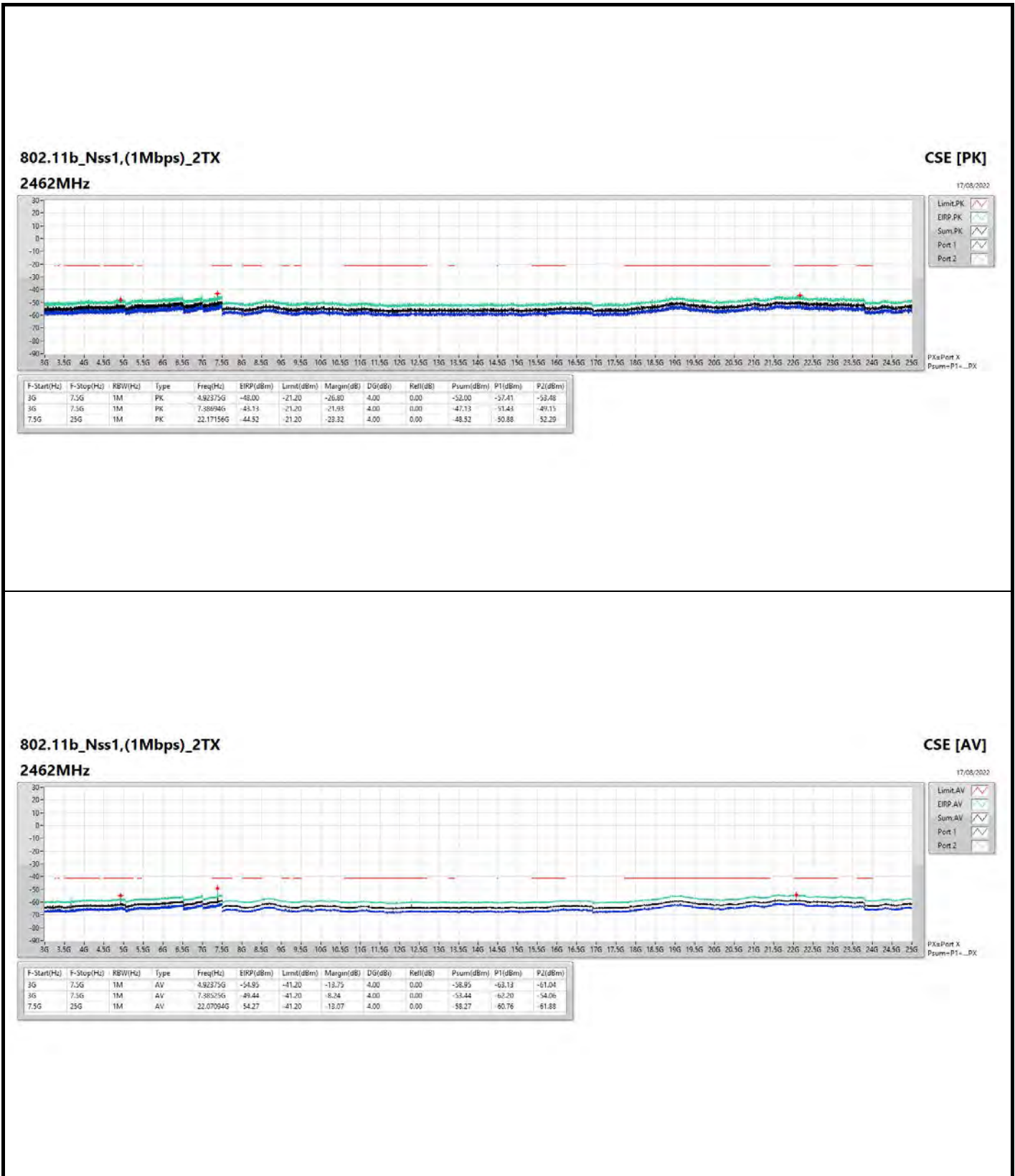


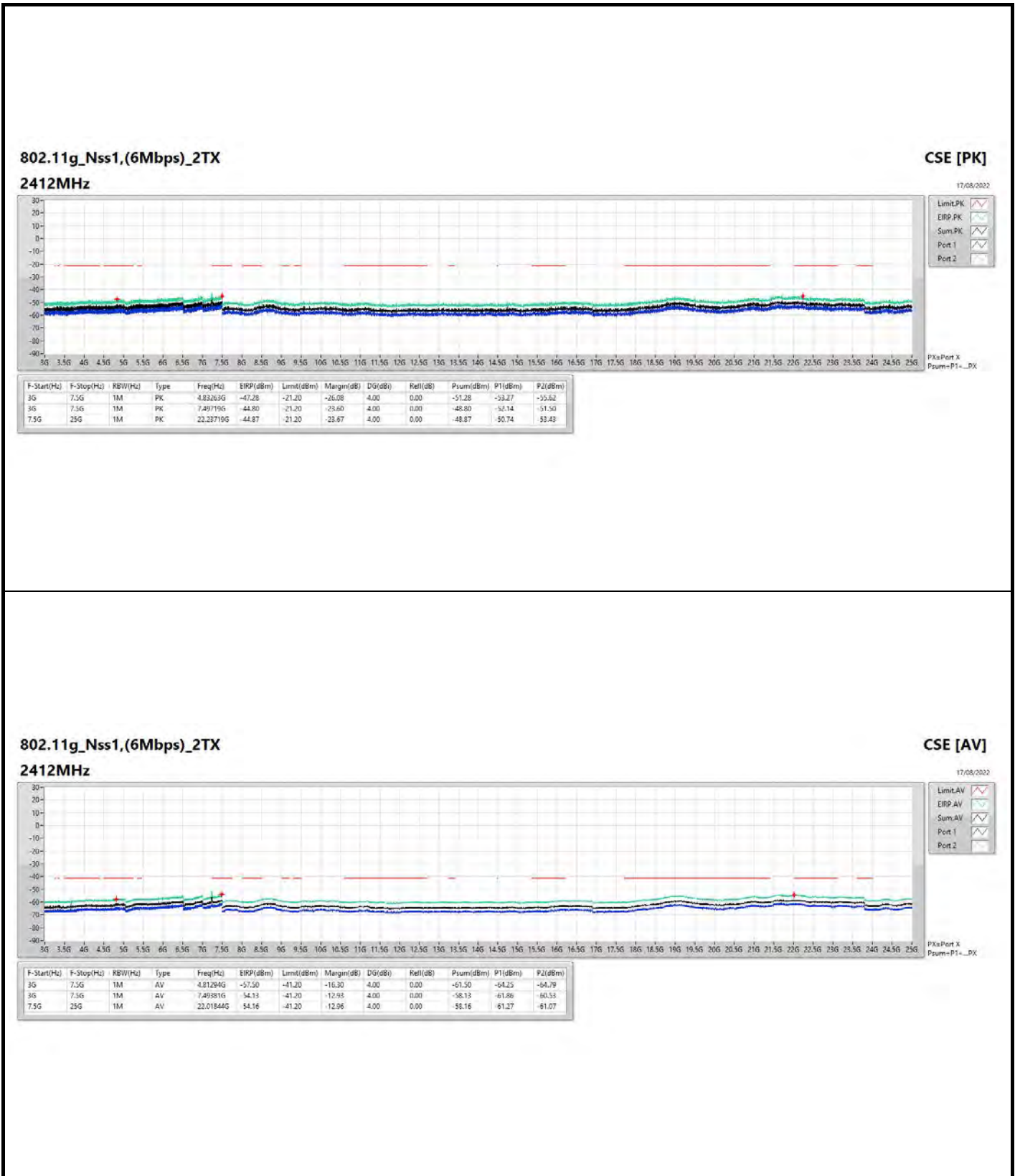


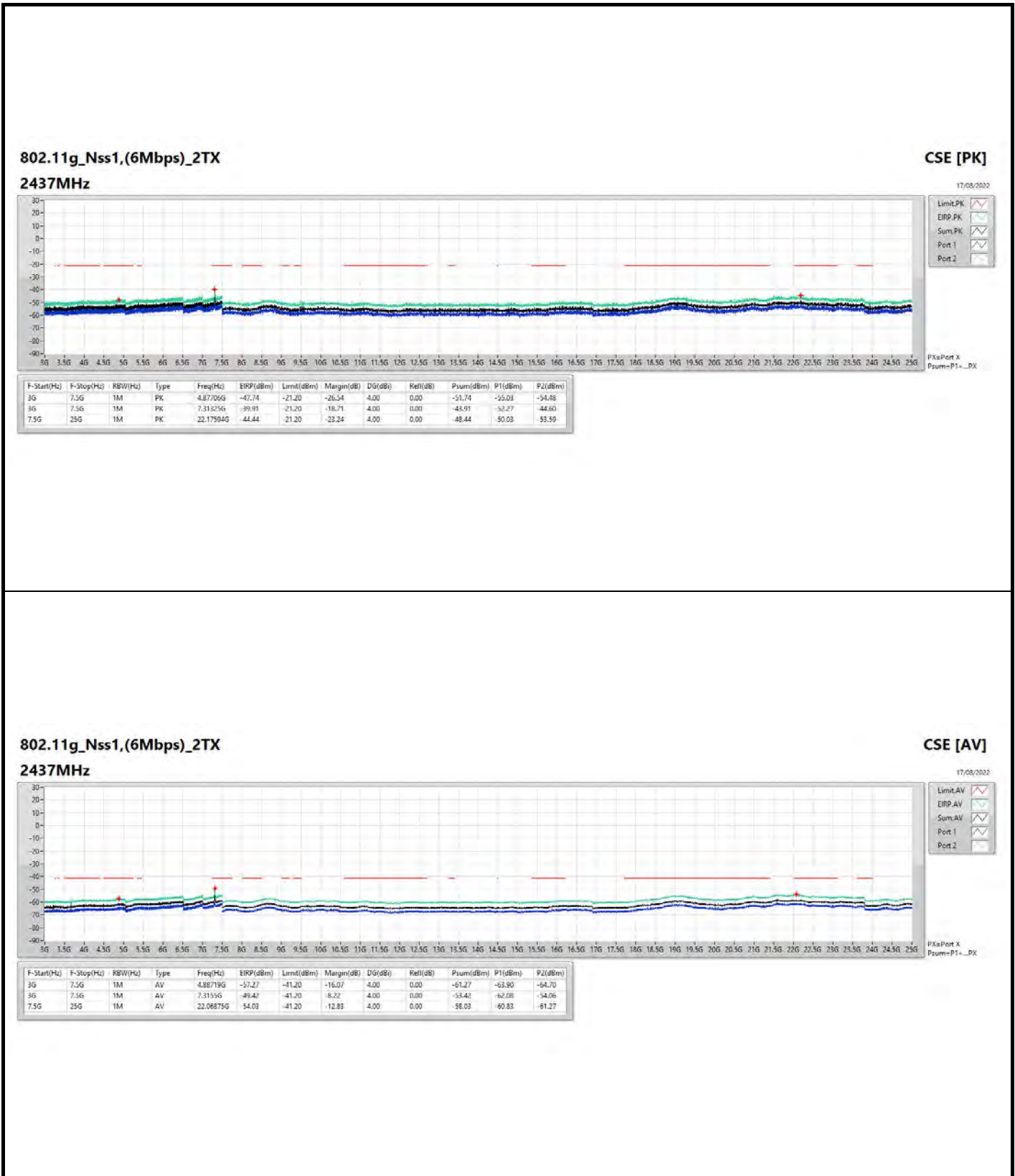


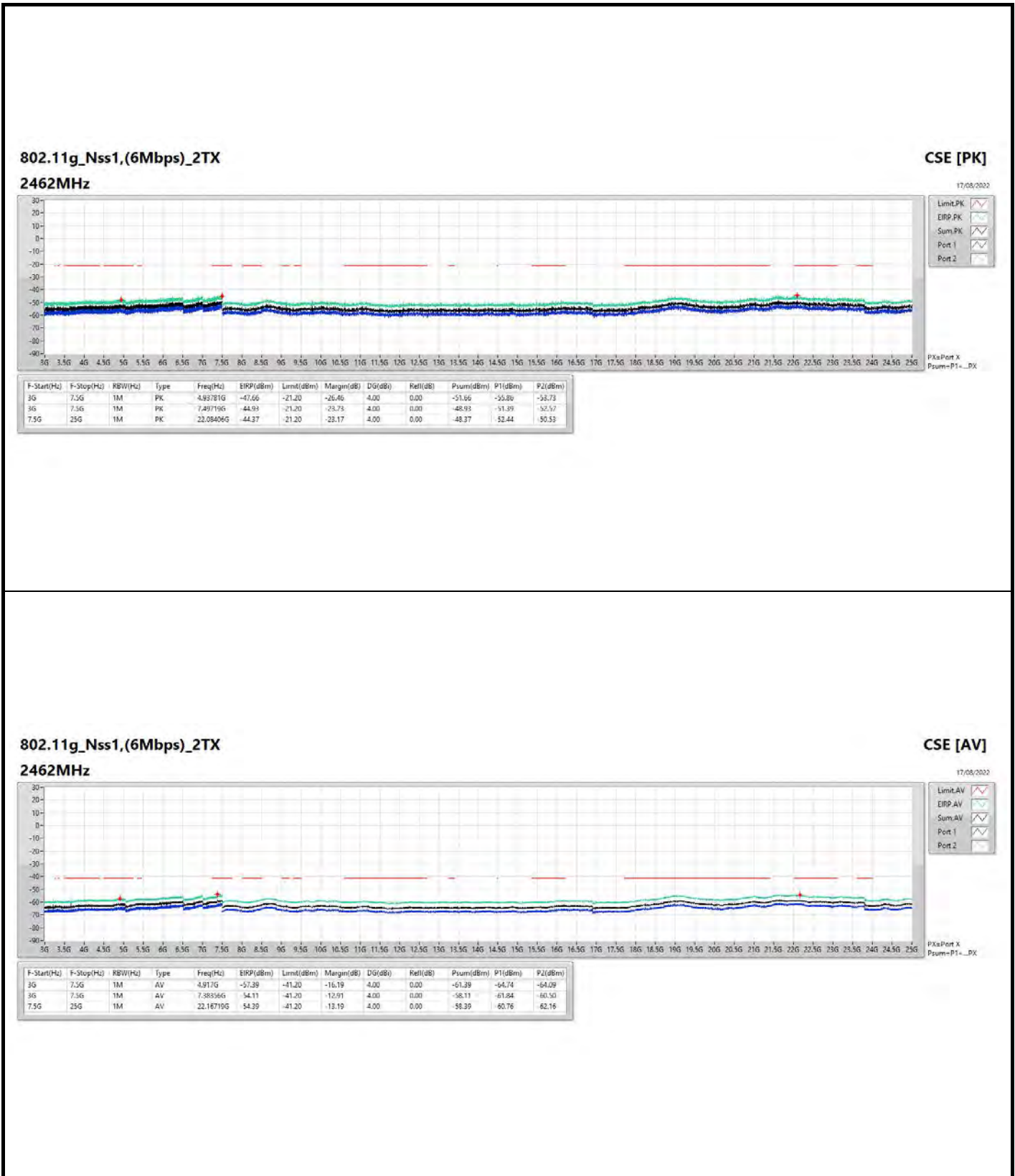


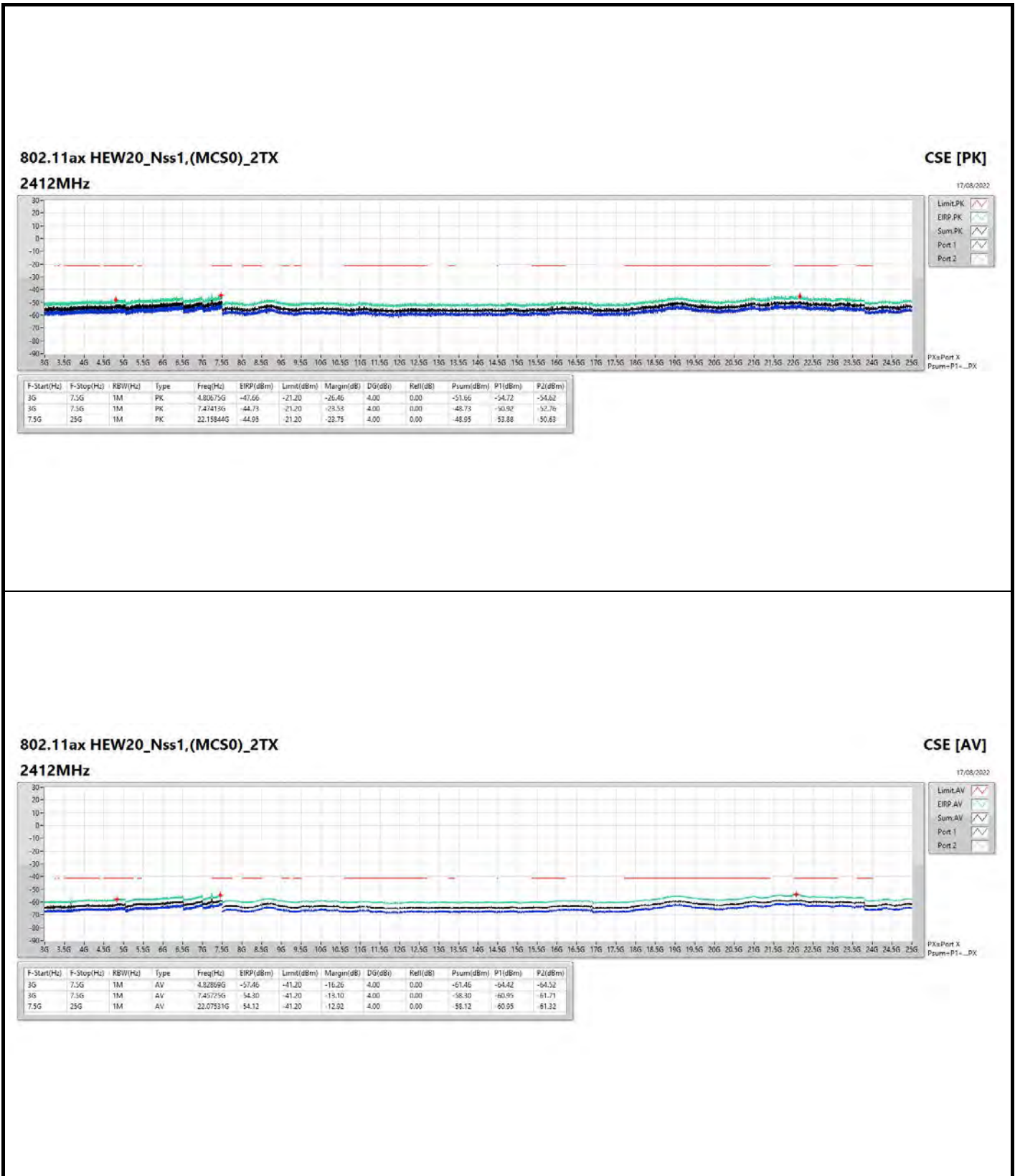


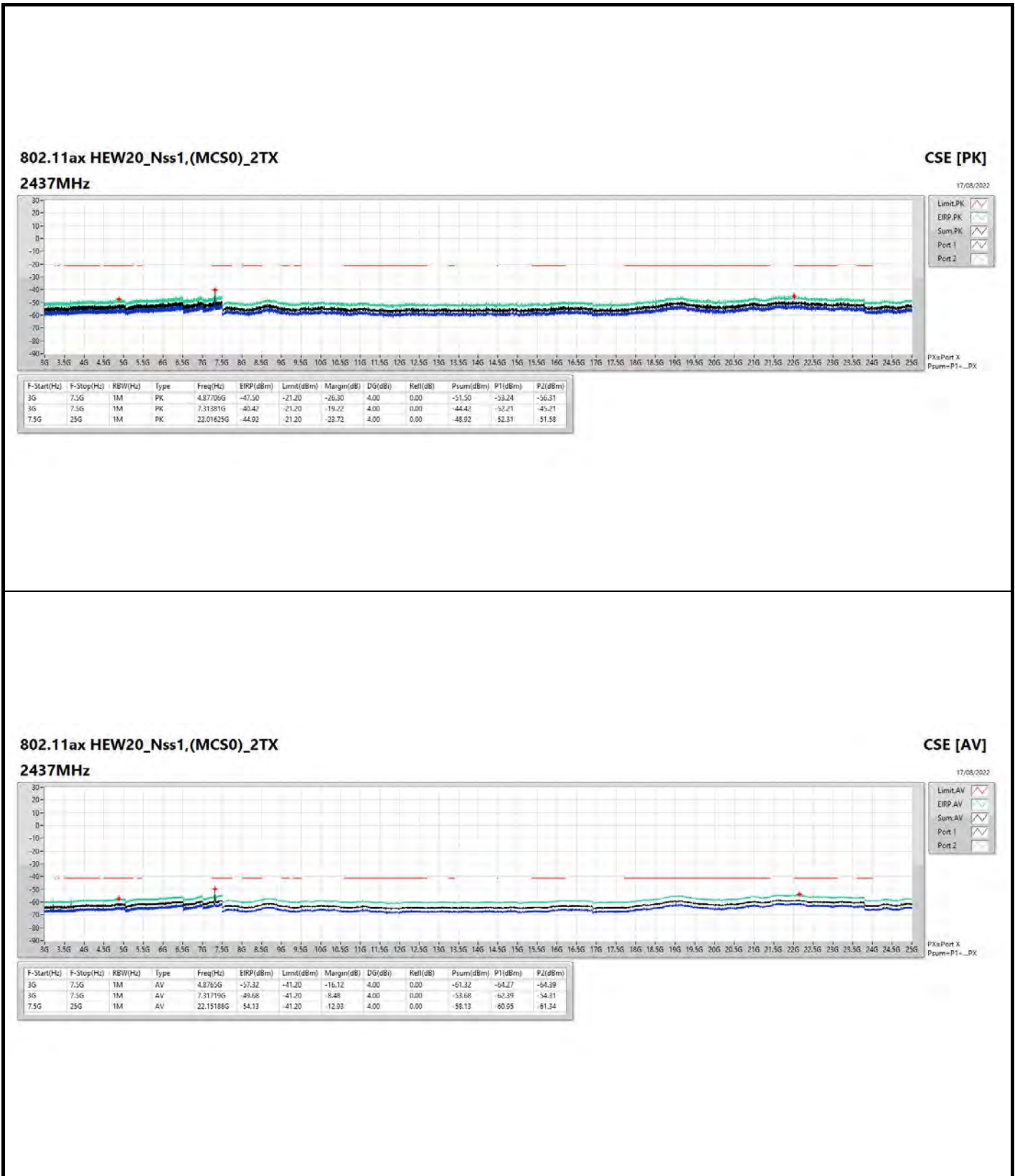


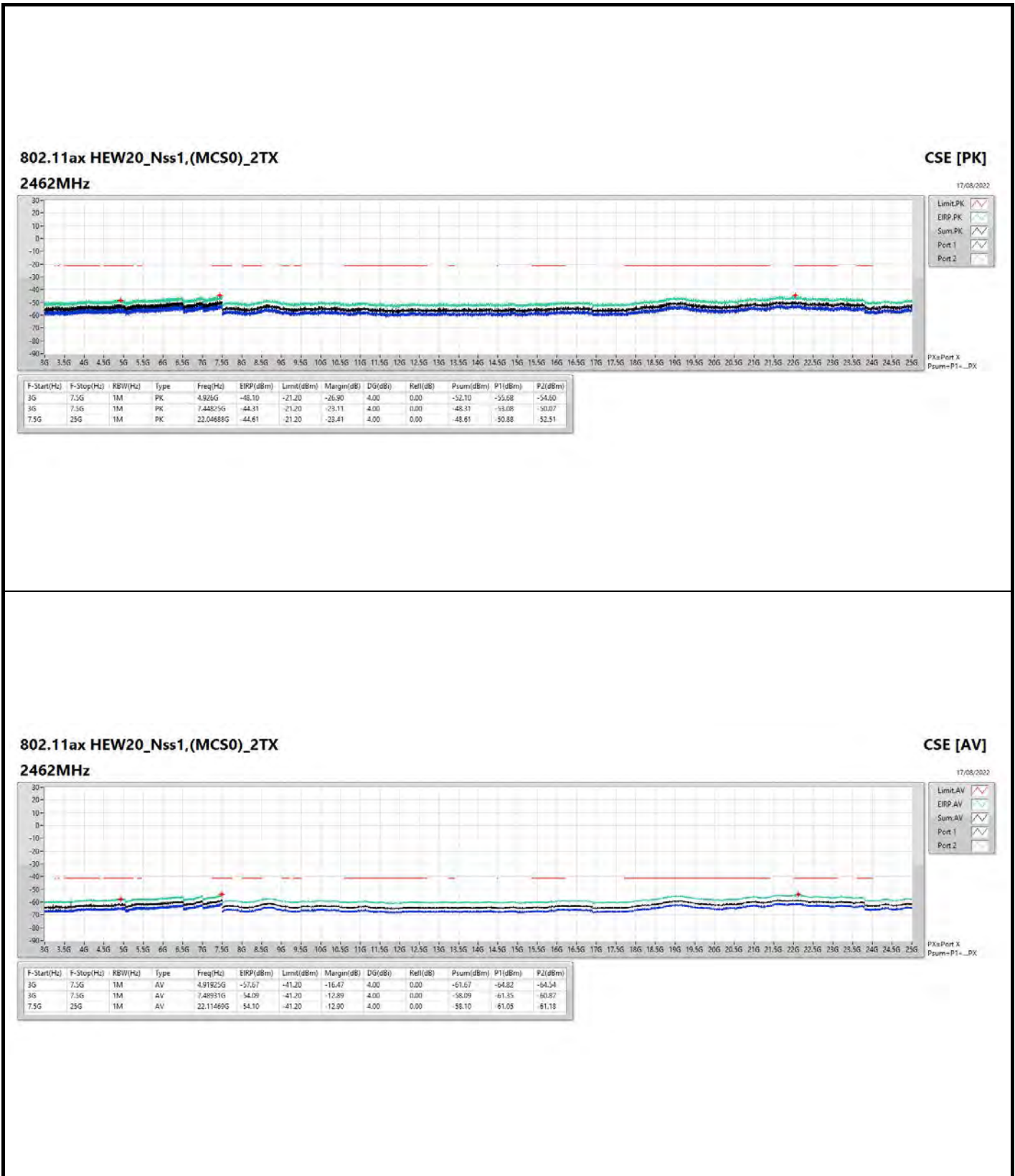


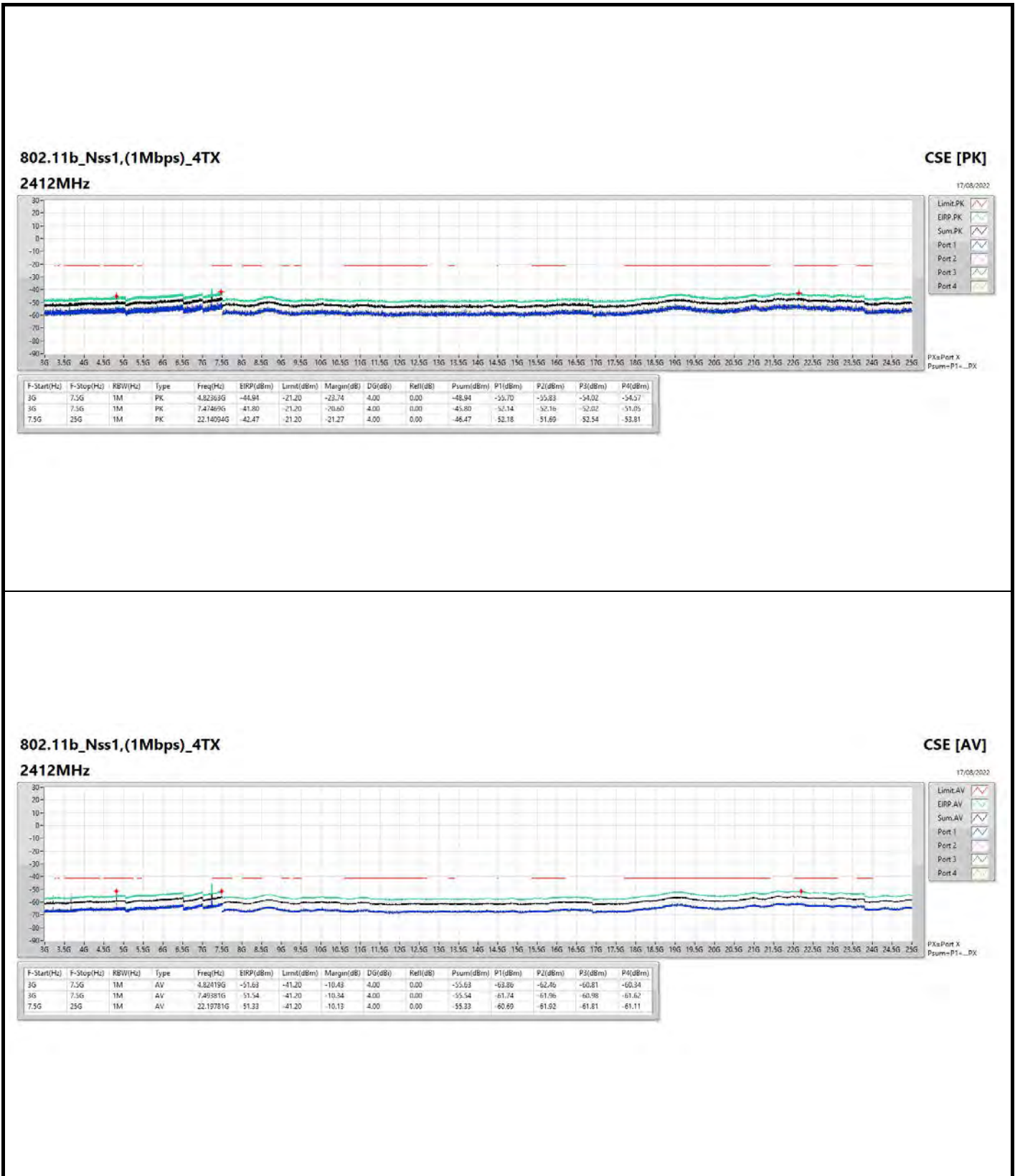


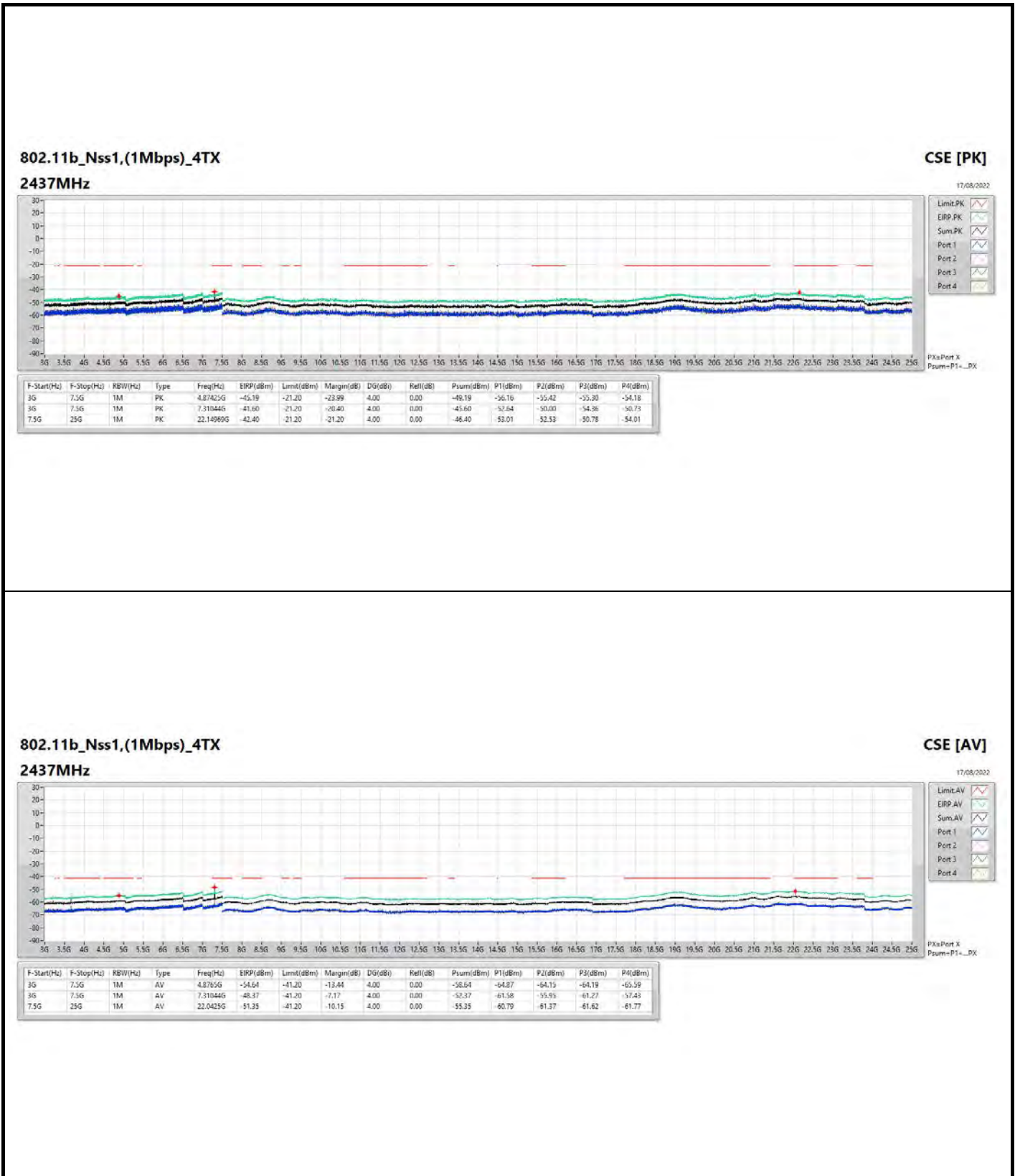


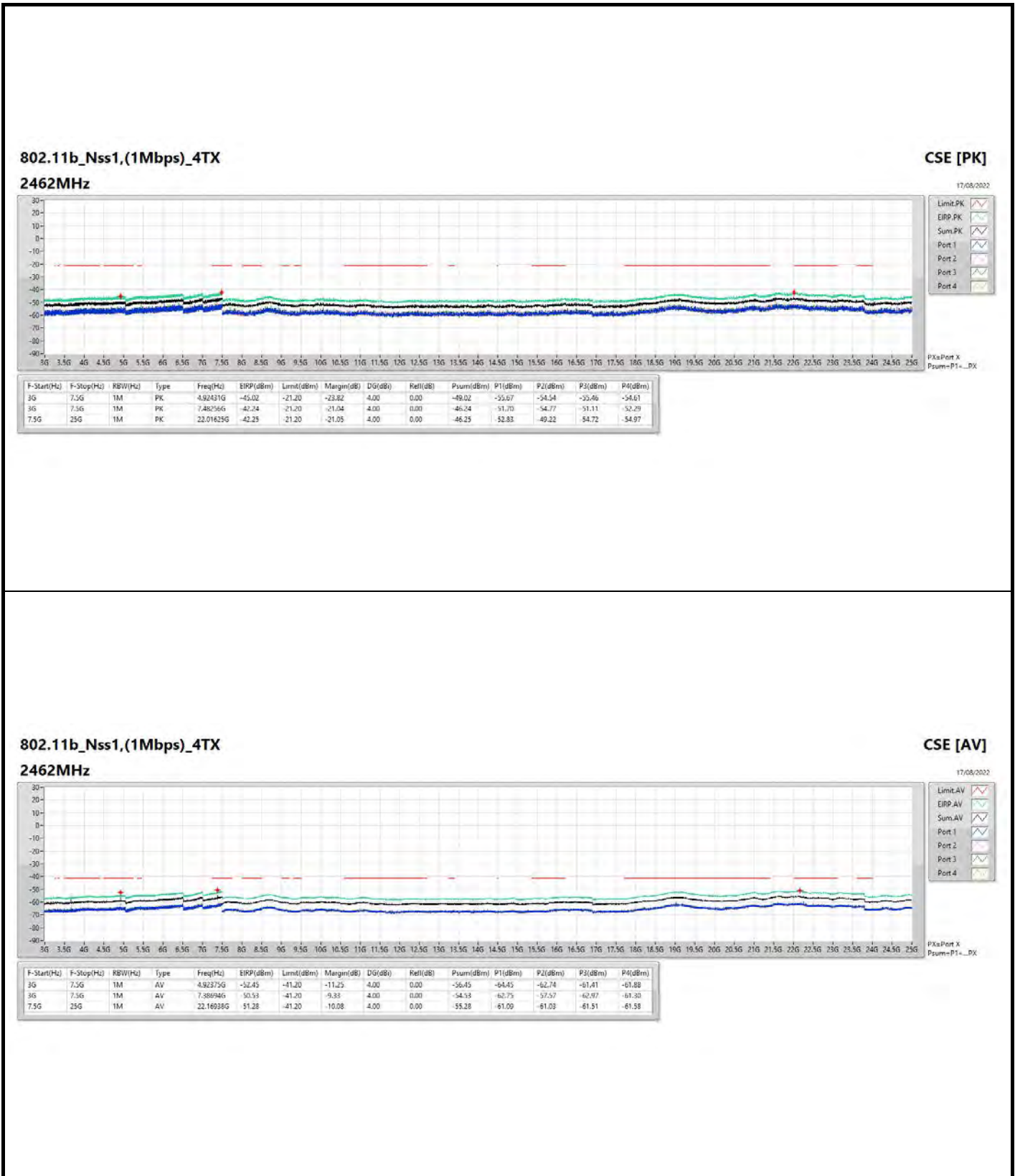


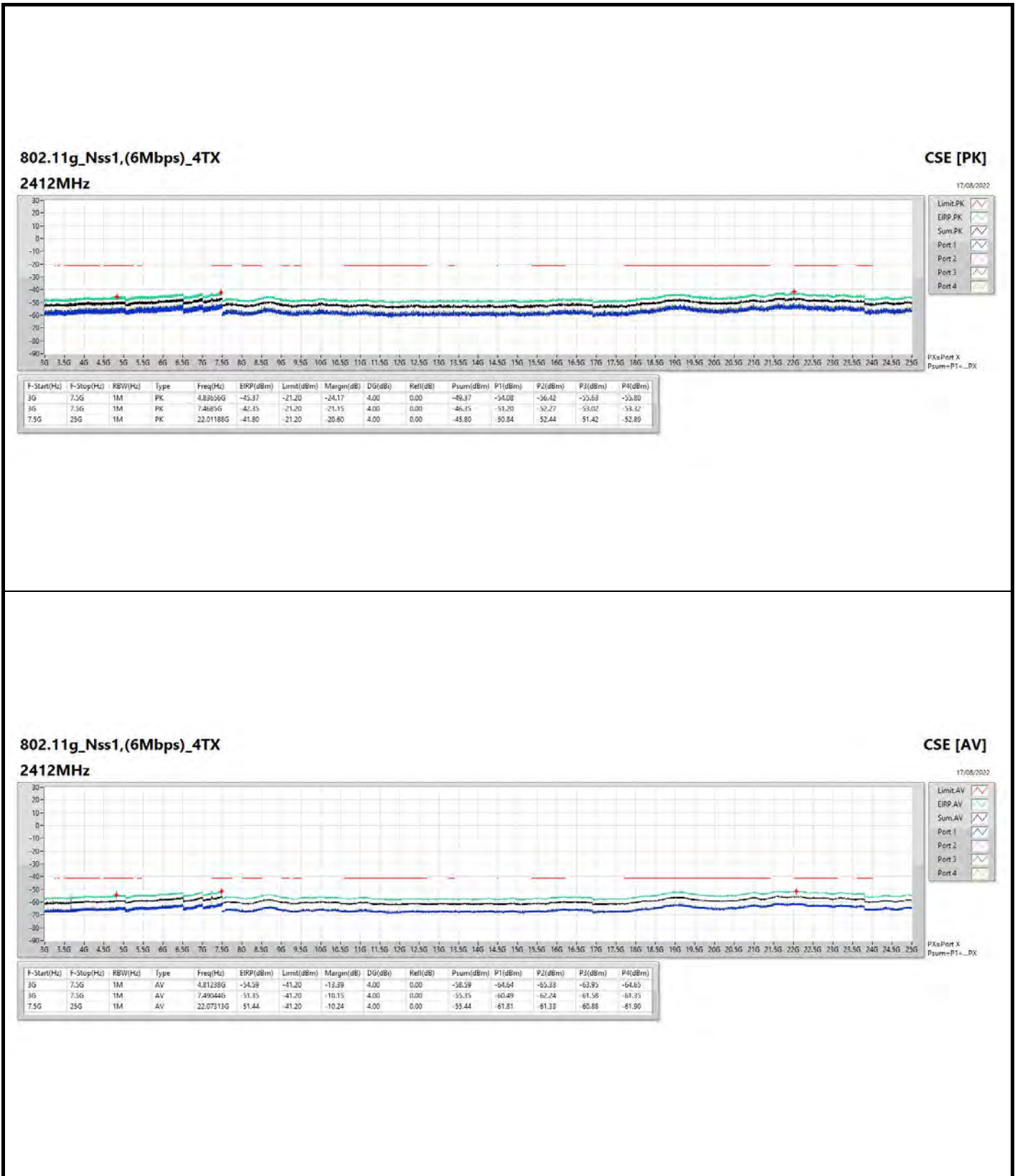




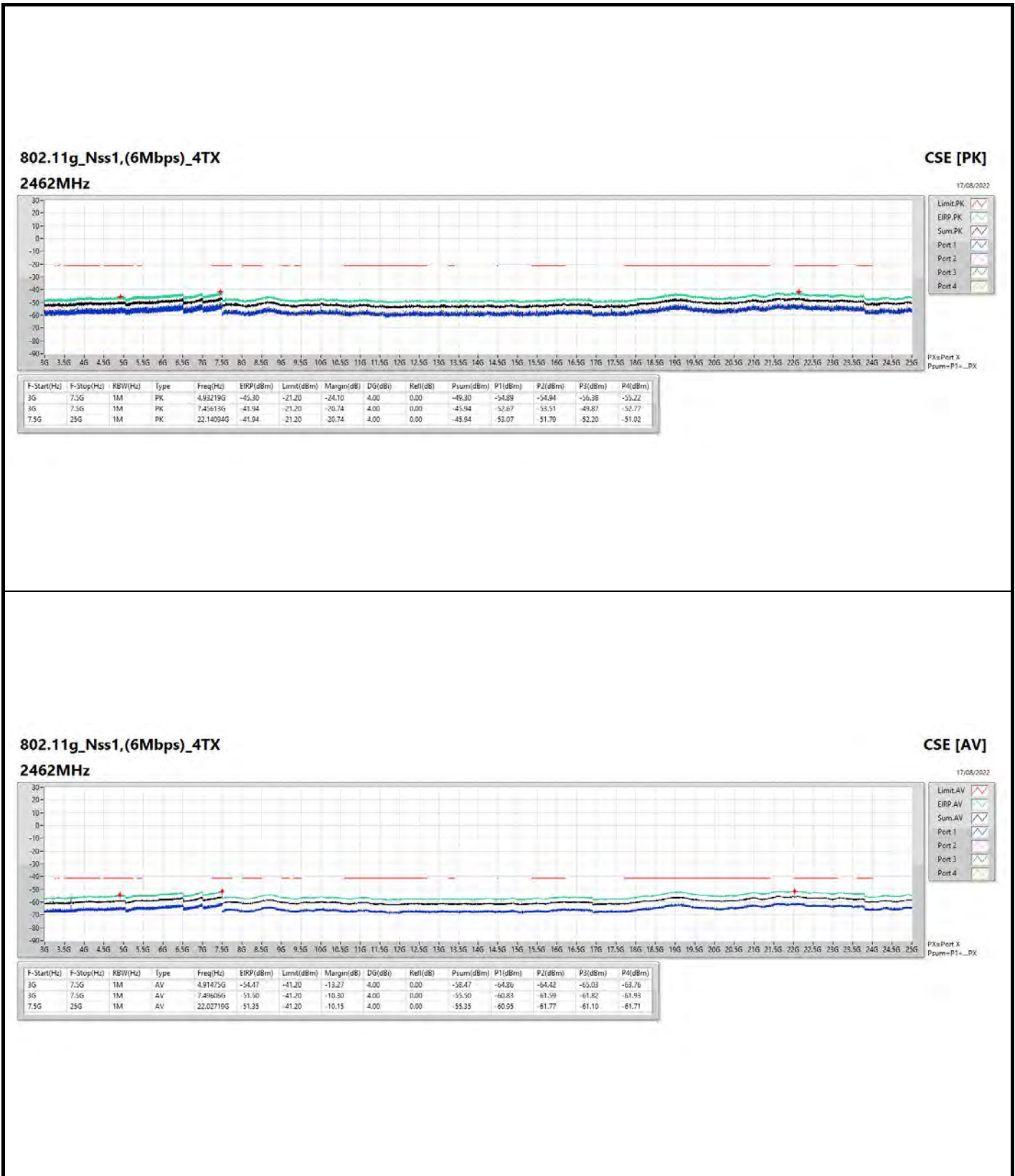


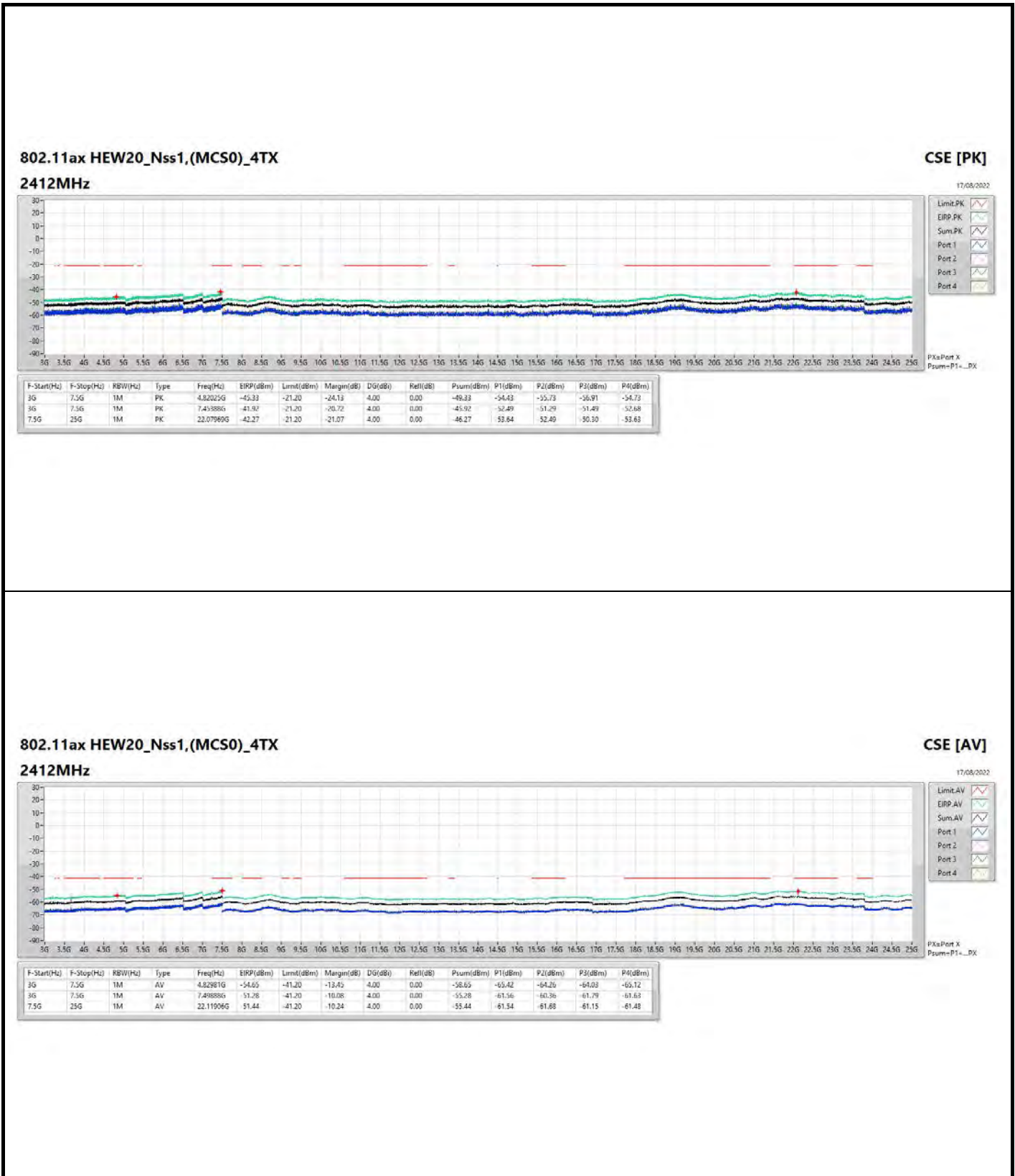


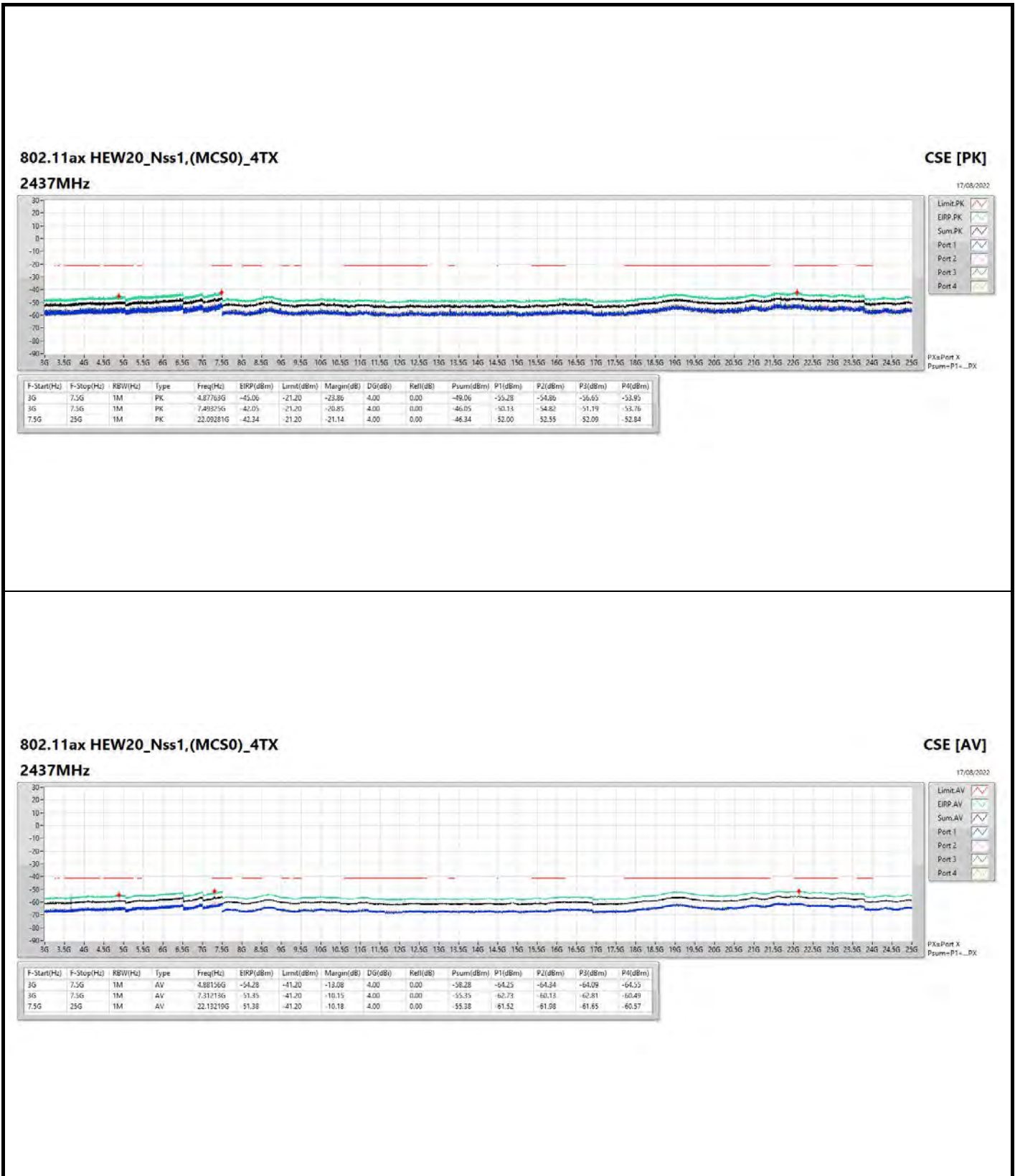


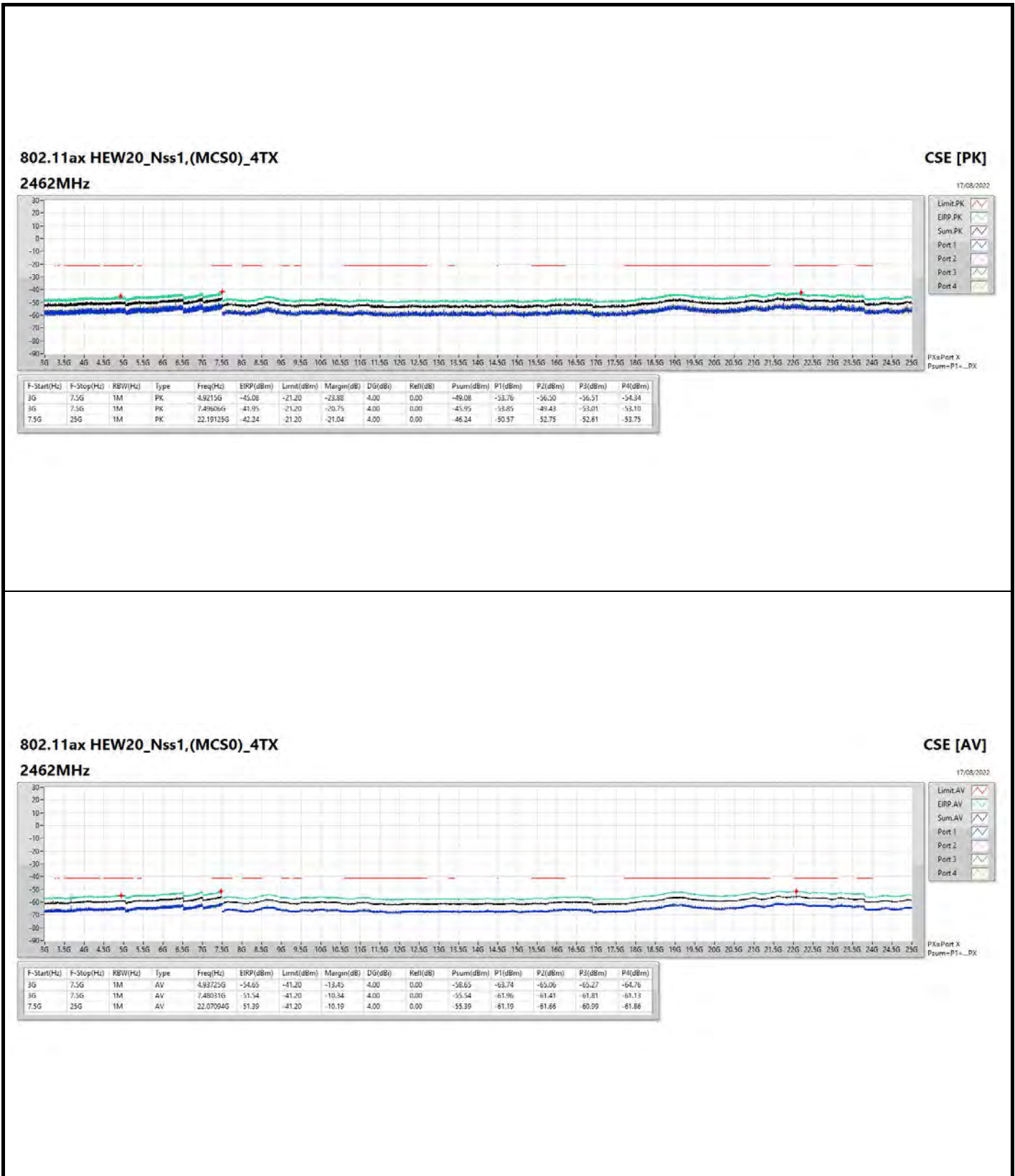














**CSE (Restricted Band)_Iron R1_Antenna set 11 (Bandedge)
_P to M**

Appendix F.5

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)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.4835G	2.5235G	AV	2.48878G	4.00	-52.73				-52.73	-48.73	-41.20	-7.53
802.11g_Nss1,(6Mbps)_1TX	Pass	2.36G	2.4G	AV	2.38996G	4.00	-45.60				-45.60	-41.60	-41.20	-0.40
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.36G	2.4G	AV	2.39G	4.00	-45.27				-45.27	-41.27	-41.20	-0.07
802.11b_Nss1,(1Mbps)_2TX	Pass	2.4835G	2.5235G	AV	2.48878G	7.01	-57.88	-49.82			-49.19	-42.18	-41.20	-0.98
802.11g_Nss1,(6Mbps)_2TX	Pass	2.36G	2.4G	AV	2.38992G	7.01	-55.24	-49.30			-48.31	-41.30	-41.20	-0.10
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.4835G	2.5235G	AV	2.4849G	7.01	-56.13	-49.11			-48.32	-41.31	-41.20	-0.11
802.11b_Nss1,(1Mbps)_4TX	Pass	2.36G	2.4G	AV	2.37596G	10.02	-58.85	-55.38	-57.47	-59.16	-51.42	-41.40	-41.20	-0.20
802.11g_Nss1,(6Mbps)_4TX	Pass	2.36G	2.4G	AV	2.37592G	10.02	-59.20	-56.14	-58.69	-56.03	-51.26	-41.24	-41.20	-0.04
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.36G	2.4G	AV	2.37588G	10.02	-59.13	-55.53	-58.27	-57.02	-51.25	-41.23	-41.20	-0.03

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



**CSE (Restricted Band)_Iron R1_Antenna set 11 (Bandedge)
_P to M**

Appendix F.5

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)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.3G	2.36G	AV	2.35274G	4.00	-60.15				-60.15	-56.15	-41.20	-14.95
2412MHz	Pass	2.36G	2.4G	AV	2.38692G	4.00	-56.66				-56.66	-52.66	-41.20	-11.46
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	4.00	-60.66				-60.66	-56.66	-41.20	-15.46
2412MHz	Pass	2.4835G	2.5235G	AV	2.49594G	4.00	-59.70				-59.70	-55.70	-41.20	-14.50
2412MHz	Pass	2.5235G	2.6G	AV	2.52855G	4.00	-62.57				-62.57	-58.57	-41.20	-17.37
2412MHz	Pass	2.3G	2.36G	PK	2.33492G	4.00	-49.51				-49.51	-45.51	-21.20	-24.31
2412MHz	Pass	2.36G	2.4G	PK	2.3878G	4.00	-47.00				-47.00	-43.00	-21.20	-21.80
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	4.00	-50.72				-50.72	-46.72	-21.20	-25.52
2412MHz	Pass	2.4835G	2.5235G	PK	2.48414G	4.00	-49.12				-49.12	-45.12	-21.20	-23.92
2412MHz	Pass	2.5235G	2.6G	PK	2.53306G	4.00	-48.55				-48.55	-44.55	-21.20	-23.35
2417MHz														
2437MHz	Pass	2.3G	2.36G	AV	2.31596G	4.00	-59.42				-59.42	-55.42	-41.20	-14.22
2437MHz	Pass	2.36G	2.4G	AV	2.37364G	4.00	-57.42				-57.42	-53.42	-41.20	-12.22
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	4.00	-59.52				-59.52	-55.52	-41.20	-14.32
2437MHz	Pass	2.4835G	2.5235G	AV	2.48406G	4.00	-59.09				-59.09	-55.09	-41.20	-13.89
2437MHz	Pass	2.5235G	2.6G	AV	2.55081G	4.00	-62.31				-62.31	-58.31	-41.20	-17.11
2437MHz	Pass	2.3G	2.36G	PK	2.31734G	4.00	-44.24				-44.24	-40.24	-21.20	-19.04
2437MHz	Pass	2.36G	2.4G	PK	2.36676G	4.00	-46.54				-46.54	-42.54	-21.20	-21.34
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	4.00	-49.50				-49.50	-45.50	-21.20	-24.30
2437MHz	Pass	2.4835G	2.5235G	PK	2.50034G	4.00	-48.11				-48.11	-44.11	-21.20	-22.91
2437MHz	Pass	2.5235G	2.6G	PK	2.55662G	4.00	-48.58				-48.58	-44.58	-21.20	-23.38
2457MHz														
2462MHz	Pass	2.3G	2.36G	AV	2.3372G	4.00	-59.56				-59.56	-55.56	-41.20	-14.36
2462MHz	Pass	2.36G	2.4G	AV	2.3616G	4.00	-58.40				-58.40	-54.40	-41.20	-13.20
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	4.00	-58.77				-58.77	-54.77	-41.20	-13.57
2462MHz	Pass	2.4835G	2.5235G	AV	2.48878G	4.00	-52.73				-52.73	-48.73	-41.20	-7.53
2462MHz	Pass	2.5235G	2.6G	AV	2.52373G	4.00	-62.47				-62.47	-58.47	-41.20	-17.27
2462MHz	Pass	2.3G	2.36G	PK	2.34284G	4.00	-44.15				-44.15	-40.15	-21.20	-18.95
2462MHz	Pass	2.36G	2.4G	PK	2.36504G	4.00	-47.56				-47.56	-43.56	-21.20	-22.36
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	4.00	-49.89				-49.89	-45.89	-21.20	-24.69
2462MHz	Pass	2.4835G	2.5235G	PK	2.48862G	4.00	-45.99				-45.99	-41.99	-21.20	-20.79
2462MHz	Pass	2.5235G	2.6G	PK	2.58241G	4.00	-48.44				-48.44	-44.44	-21.20	-23.24
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.3G	2.36G	AV	2.35874G	4.00	-56.94				-56.94	-52.94	-41.20	-11.74
2412MHz	Pass	2.36G	2.4G	AV	2.38996G	4.00	-45.60				-45.60	-41.60	-41.20	-0.40
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	4.00	-58.91				-58.91	-54.91	-41.20	-13.71
2412MHz	Pass	2.4835G	2.5235G	AV	2.4959G	4.00	-57.25				-57.25	-53.25	-41.20	-12.05
2412MHz	Pass	2.5235G	2.6G	AV	2.53329G	4.00	-60.11				-60.11	-56.11	-41.20	-14.91
2412MHz	Pass	2.3G	2.36G	PK	2.3393G	4.00	-46.54				-46.54	-42.54	-21.20	-21.34
2412MHz	Pass	2.36G	2.4G	PK	2.38992G	4.00	-32.60				-32.60	-28.60	-21.20	-7.40
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	4.00	-48.39				-48.39	-44.39	-21.20	-23.19
2412MHz	Pass	2.4835G	2.5235G	PK	2.48422G	4.00	-47.13				-47.13	-43.13	-21.20	-21.93
2412MHz	Pass	2.5235G	2.6G	PK	2.53283G	4.00	-44.48				-44.48	-40.48	-21.20	-19.28
2417MHz														
2437MHz	Pass	2.3G	2.36G	AV	2.32886G	4.00	-58.18				-58.18	-54.18	-41.20	-12.98
2437MHz	Pass	2.36G	2.4G	AV	2.36944G	4.00	-56.47				-56.47	-52.47	-41.20	-11.27
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	4.00	-57.33				-57.33	-53.33	-41.20	-12.13
2437MHz	Pass	2.4835G	2.5235G	AV	2.48654G	4.00	-56.39				-56.39	-52.39	-41.20	-11.19
2437MHz	Pass	2.5235G	2.6G	AV	2.52503G	4.00	-60.65				-60.65	-56.65	-41.20	-15.45
2437MHz	Pass	2.3G	2.36G	PK	2.31812G	4.00	-41.36				-41.36	-37.36	-21.20	-16.16
2437MHz	Pass	2.36G	2.4G	PK	2.38196G	4.00	-45.61				-45.61	-41.61	-21.20	-20.41
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	4.00	-45.55				-45.55	-41.55	-21.20	-20.35
2437MHz	Pass	2.4835G	2.5235G	PK	2.48426G	4.00	-44.96				-44.96	-40.96	-21.20	-19.76
2437MHz	Pass	2.5235G	2.6G	PK	2.55609G	4.00	-45.48				-45.48	-41.48	-21.20	-20.28
2457MHz														
2462MHz	Pass	2.3G	2.36G	AV	2.3414G	4.00	-58.42				-58.42	-54.42	-41.20	-13.22
2462MHz	Pass	2.36G	2.4G	AV	2.36236G	4.00	-57.12				-57.12	-53.12	-41.20	-11.92
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	4.00	-47.80				-47.80	-43.80	-41.20	-2.60
2462MHz	Pass	2.4835G	2.5235G	AV	2.48446G	4.00	-46.95				-46.95	-42.95	-41.20	-1.75
2462MHz	Pass	2.5235G	2.6G	AV	2.52648G	4.00	-60.13				-60.13	-56.13	-41.20	-14.93
2462MHz	Pass	2.3G	2.36G	PK	2.34212G	4.00	-41.21				-41.21	-37.21	-21.20	-16.01
2462MHz	Pass	2.36G	2.4G	PK	2.38476G	4.00	-45.64				-45.64	-41.64	-21.20	-20.44
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	4.00	-35.44				-35.44	-31.44	-21.20	-10.24
2462MHz	Pass	2.4835G	2.5235G	PK	2.4835G	4.00	-35.78				-35.78	-31.78	-21.20	-10.58
2462MHz	Pass	2.5235G	2.6G	PK	2.58279G	4.00	-46.25				-46.25	-42.25	-21.20	-21.05
802.11ax_HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.3G	2.36G	AV	2.35412G	4.00	-58.36				-58.36	-54.36	-41.20	-13.16
2412MHz	Pass	2.36G	2.4G	AV	2.39G	4.00	-45.27				-45.27	-41.27	-41.20	-0.07



**CSE (Restricted Band)_Iron R1_Antenna set 11 (Bandedge)
_P to M**

Appendix F.5

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)
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	4.00	-60.01				-60.01	-56.01	-41.20	-14.81
2412MHz	Pass	2.4835G	2.5235G	AV	2.49602G	4.00	-58.38				-58.38	-54.38	-41.20	-13.18
2412MHz	Pass	2.5235G	2.6G	AV	2.53781G	4.00	-61.85				-61.85	-57.85	-41.20	-16.65
2412MHz	Pass	2.3G	2.36G	PK	2.34884G	4.00	-46.50				-46.50	-42.50	-21.20	-21.30
2412MHz	Pass	2.36G	2.4G	PK	2.38992G	4.00	-31.76				-31.76	-27.76	-21.20	-6.56
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	4.00	-48.44				-48.44	-44.44	-21.20	-23.24
2412MHz	Pass	2.4835G	2.5235G	PK	2.4861G	4.00	-47.73				-47.73	-43.73	-21.20	-22.53
2412MHz	Pass	2.5235G	2.6G	PK	2.53222G	4.00	-47.04				-47.04	-43.04	-21.20	-21.84
2417MHz														
2437MHz	Pass	2.3G	2.36G	AV	2.354G	4.00	-57.99				-57.99	-53.99	-41.20	-12.79
2437MHz	Pass	2.36G	2.4G	AV	2.38628G	4.00	-56.20				-56.20	-52.20	-41.20	-11.00
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	4.00	-55.94				-55.94	-51.94	-41.20	-10.74
2437MHz	Pass	2.4835G	2.5235G	AV	2.48458G	4.00	-55.16				-55.16	-51.16	-41.20	-9.96
2437MHz	Pass	2.5235G	2.6G	AV	2.54989G	4.00	-60.98				-60.98	-56.98	-41.20	-15.78
2437MHz	Pass	2.3G	2.36G	PK	2.31812G	4.00	-41.74				-41.74	-37.74	-21.20	-16.54
2437MHz	Pass	2.36G	2.4G	PK	2.38076G	4.00	-45.13				-45.13	-41.13	-21.20	-19.93
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	4.00	-45.10				-45.10	-41.10	-21.20	-19.90
2437MHz	Pass	2.4835G	2.5235G	PK	2.48506G	4.00	-43.03				-43.03	-39.03	-21.20	-17.83
2437MHz	Pass	2.5235G	2.6G	PK	2.55754G	4.00	-45.25				-45.25	-41.25	-21.20	-20.05
2457MHz														
2462MHz	Pass	2.3G	2.36G	AV	2.34596G	4.00	-58.06				-58.06	-54.06	-41.20	-12.86
2462MHz	Pass	2.36G	2.4G	AV	2.38508G	4.00	-56.57				-56.57	-52.57	-41.20	-11.37
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	4.00	-46.22				-46.22	-42.22	-41.20	-1.02
2462MHz	Pass	2.4835G	2.5235G	AV	2.48354G	4.00	-45.75				-45.75	-41.75	-41.20	-0.55
2462MHz	Pass	2.5235G	2.6G	AV	2.52694G	4.00	-58.91				-58.91	-54.91	-41.20	-13.71
2462MHz	Pass	2.3G	2.36G	PK	2.34176G	4.00	-41.38				-41.38	-37.38	-21.20	-16.18
2462MHz	Pass	2.36G	2.4G	PK	2.38748G	4.00	-45.67				-45.67	-41.67	-21.20	-20.47
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	4.00	-33.09				-33.09	-29.09	-21.20	-7.89
2462MHz	Pass	2.4835G	2.5235G	PK	2.48366G	4.00	-32.78				-32.78	-28.78	-21.20	-7.58
2462MHz	Pass	2.5235G	2.6G	PK	2.58172G	4.00	-46.52				-46.52	-42.52	-21.20	-21.32
802.11b_Nss1(1Mbps)_2TX														
2412MHz	Pass	2.3G	2.36G	AV	2.3522G	7.01	-58.48	-52.96			-51.89	-44.88	-41.20	-3.68
2412MHz	Pass	2.36G	2.4G	AV	2.38532G	7.01	-57.38	-50.04			-49.30	-42.29	-41.20	-1.09
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-59.31	-56.64			-54.76	-47.75	-41.20	-6.55
2412MHz	Pass	2.4835G	2.5235G	AV	2.49614G	7.01	-58.64	-55.45			-53.75	-46.74	-41.20	-5.54
2412MHz	Pass	2.5235G	2.6G	AV	2.52954G	7.01	-62.18	-57.99			-56.59	-49.58	-41.20	-8.38
2412MHz	Pass	2.3G	2.36G	PK	2.35286G	7.01	-47.56	-46.39			-43.93	-36.92	-21.20	-15.72
2412MHz	Pass	2.36G	2.4G	PK	2.38868G	7.01	-45.11	-42.42			-40.55	-33.54	-21.20	-12.34
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-49.97	-48.59			-46.22	-39.21	-21.20	-18.01
2412MHz	Pass	2.4835G	2.5235G	PK	2.48534G	7.01	-51.25	-44.73			-43.86	-36.85	-21.20	-15.65
2412MHz	Pass	2.5235G	2.6G	PK	2.531G	7.01	-44.50	-49.89			-43.40	-36.39	-21.20	-15.19
2417MHz														
2437MHz	Pass	2.3G	2.36G	AV	2.35682G	7.01	-61.82	-56.56			-55.43	-48.42	-41.20	-7.22
2437MHz	Pass	2.36G	2.4G	AV	2.38956G	7.01	-59.28	-55.18			-53.75	-46.74	-41.20	-5.54
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-59.96	-57.55			-55.58	-48.57	-41.20	-7.37
2437MHz	Pass	2.4835G	2.5235G	AV	2.48466G	7.01	-60.58	-55.52			-54.34	-47.33	-41.20	-6.13
2437MHz	Pass	2.5235G	2.6G	AV	2.55578G	7.01	-64.18	-59.20			-58.00	-50.99	-41.20	-9.79
2437MHz	Pass	2.3G	2.36G	PK	2.31776G	7.01	-44.72	-45.87			-42.25	-35.24	-21.20	-14.04
2437MHz	Pass	2.36G	2.4G	PK	2.385G	7.01	-50.31	-44.51			-43.50	-36.49	-21.20	-15.29
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-49.46	-48.05			-45.69	-38.68	-21.20	-17.48
2437MHz	Pass	2.4835G	2.5235G	PK	2.49914G	7.01	-50.75	-45.47			-44.34	-37.33	-21.20	-16.13
2437MHz	Pass	2.5235G	2.6G	PK	2.55601G	7.01	-49.23	-48.36			-45.76	-38.75	-21.20	-17.55
2457MHz														
2462MHz	Pass	2.3G	2.36G	AV	2.3162G	7.01	-61.64	-57.06			-55.76	-48.75	-41.20	-7.55
2462MHz	Pass	2.36G	2.4G	AV	2.36452G	7.01	-59.52	-56.13			-54.49	-47.48	-41.20	-6.28
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-59.65	-55.77			-54.28	-47.27	-41.20	-6.07
2462MHz	Pass	2.4835G	2.5235G	AV	2.48878G	7.01	-57.88	-49.82			-49.19	-42.18	-41.20	-0.98
2462MHz	Pass	2.5235G	2.6G	AV	2.54936G	7.01	-64.18	-59.00			-57.85	-50.84	-41.20	-9.64
2462MHz	Pass	2.3G	2.36G	PK	2.342G	7.01	-44.65	-47.45			-42.82	-35.81	-21.20	-14.61
2462MHz	Pass	2.36G	2.4G	PK	2.38448G	7.01	-49.89	-45.28			-43.99	-36.98	-21.20	-15.78
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-49.78	-46.89			-45.09	-38.08	-21.20	-16.88
2462MHz	Pass	2.4835G	2.5235G	PK	2.48838G	7.01	-49.17	-42.16			-41.37	-34.36	-21.20	-13.16
2462MHz	Pass	2.5235G	2.6G	PK	2.58195G	7.01	-49.61	-50.97			-47.23	-40.22	-21.20	-19.02
802.11g_Nss1(6Mbps)_2TX														
2412MHz	Pass	2.3G	2.36G	AV	2.35634G	7.01	-61.42	-56.61			-55.37	-48.36	-41.20	-7.16
2412MHz	Pass	2.36G	2.4G	AV	2.39G	7.01	-56.69	-49.82			-49.01	-42.00	-41.20	-0.80
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-61.08	-57.97			-56.24	-49.23	-41.20	-8.03
2412MHz	Pass	2.4835G	2.5235G	AV	2.5041G	7.01	-60.38	-57.21			-55.50	-48.49	-41.20	-7.29
2412MHz	Pass	2.5235G	2.6G	AV	2.52526G	7.01	-64.51	-59.75			-58.50	-51.49	-41.20	-10.29
2412MHz	Pass	2.3G	2.36G	PK	2.35604G	7.01	-53.27	-44.87			-44.28	-37.27	-21.20	-16.07



**CSE (Restricted Band)_Iron R1_Antenna set 11 (Bandedge)
_P to M**

Appendix F.5

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)
2412MHz	Pass	2.36G	2.4G	PK	2.39G	7.01	-44.19	-37.02			-36.26	-29.25	-21.20	-8.05
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-51.74	-47.52			-46.13	-39.12	-21.20	-17.92
2412MHz	Pass	2.4835G	2.5235G	PK	2.49186G	7.01	-51.92	-45.93			-44.95	-37.94	-21.20	-16.74
2412MHz	Pass	2.5235G	2.6G	PK	2.53115G	7.01	-48.33	-49.79			-45.99	-38.98	-21.20	-17.78
2417MHz	Pass	2.3G	2.36G	AV	2.35988G	7.01	-59.70	-54.43			-53.30	-46.29	-41.20	-5.09
2417MHz	Pass	2.36G	2.4G	AV	2.38992G	7.01	-55.24	-49.30			-48.31	-41.30	-41.20	-0.10
2417MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-59.65	-55.86			-54.34	-47.33	-41.20	-6.13
2417MHz	Pass	2.4835G	2.5235G	AV	2.49598G	7.01	-57.44	-56.20			-53.77	-46.76	-41.20	-5.56
2417MHz	Pass	2.5235G	2.6G	AV	2.52381G	7.01	-62.45	-57.38			-56.20	-49.19	-41.20	-7.99
2417MHz	Pass	2.3G	2.36G	PK	2.34992G	7.01	-48.21	-43.90			-42.53	-35.52	-21.20	-14.32
2417MHz	Pass	2.36G	2.4G	PK	2.38968G	7.01	-45.87	-34.66			-34.34	-27.33	-21.20	-6.13
2417MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-50.07	-45.16			-43.94	-36.93	-21.20	-15.73
2417MHz	Pass	2.4835G	2.5235G	PK	2.48414G	7.01	-50.32	-44.27			-43.31	-36.30	-21.20	-15.10
2417MHz	Pass	2.5235G	2.6G	PK	2.53628G	7.01	-46.48	-47.39			-43.90	-36.89	-21.20	-15.69
2437MHz	Pass	2.3G	2.36G	AV	2.35298G	7.01	-59.27	-53.33			-52.34	-45.33	-41.20	-4.13
2437MHz	Pass	2.36G	2.4G	AV	2.3894G	7.01	-57.34	-50.35			-49.56	-42.55	-41.20	-1.35
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-57.42	-51.36			-50.40	-43.39	-41.20	-2.19
2437MHz	Pass	2.4835G	2.5235G	AV	2.4845G	7.01	-57.35	-50.39			-49.59	-42.58	-41.20	-1.38
2437MHz	Pass	2.5235G	2.6G	AV	2.52411G	7.01	-62.80	-55.40			-54.67	-47.66	-41.20	-6.46
2437MHz	Pass	2.3G	2.36G	PK	2.31758G	7.01	-41.33	-43.97			-39.44	-32.43	-21.20	-11.23
2437MHz	Pass	2.36G	2.4G	PK	2.38752G	7.01	-48.47	-37.66			-37.31	-30.30	-21.20	-9.10
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-46.71	-40.13			-39.27	-32.26	-21.20	-11.06
2437MHz	Pass	2.4835G	2.5235G	PK	2.4845G	7.01	-43.59	-39.64			-38.17	-31.16	-21.20	-9.96
2437MHz	Pass	2.5235G	2.6G	PK	2.55739G	7.01	-44.79	-47.43			-42.90	-35.89	-21.20	-14.69
2457MHz	Pass	2.3G	2.36G	AV	2.31266G	7.01	-61.64	-57.00			-55.72	-48.71	-41.20	-7.51
2457MHz	Pass	2.36G	2.4G	AV	2.37084G	7.01	-60.41	-56.37			-54.93	-47.92	-41.20	-6.72
2457MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-57.00	-50.17			-49.35	-42.34	-41.20	-1.14
2457MHz	Pass	2.4835G	2.5235G	AV	2.48386G	7.01	-56.84	-49.70			-48.93	-41.92	-41.20	-0.72
2457MHz	Pass	2.5235G	2.6G	AV	2.53712G	7.01	-64.01	-59.32			-58.05	-51.04	-41.20	-9.84
2457MHz	Pass	2.3G	2.36G	PK	2.33684G	7.01	-44.93	-49.13			-43.53	-36.52	-21.20	-15.32
2457MHz	Pass	2.36G	2.4G	PK	2.36792G	7.01	-51.34	-45.14			-44.21	-37.20	-21.20	-16.00
2457MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-45.82	-40.04			-39.02	-32.01	-21.20	-10.81
2457MHz	Pass	2.4835G	2.5235G	PK	2.48474G	7.01	-44.80	-37.12			-36.44	-29.43	-21.20	-8.23
2457MHz	Pass	2.5235G	2.6G	PK	2.57682G	7.01	-49.76	-49.76			-46.56	-39.55	-21.20	-18.35
2462MHz	Pass	2.3G	2.36G	AV	2.35592G	7.01	-62.96	-58.12			-56.89	-49.88	-41.20	-8.68
2462MHz	Pass	2.36G	2.4G	AV	2.38412G	7.01	-60.30	-57.06			-55.37	-48.36	-41.20	-7.16
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-56.17	-49.47			-48.63	-41.62	-41.20	-0.42
2462MHz	Pass	2.4835G	2.5235G	AV	2.48374G	7.01	-56.54	-49.35			-48.59	-41.58	-41.20	-0.38
2462MHz	Pass	2.5235G	2.6G	AV	2.5232G	7.01	-65.01	-59.54			-58.46	-51.45	-41.20	-10.25
2462MHz	Pass	2.3G	2.36G	PK	2.34392G	7.01	-45.33	-49.11			-43.81	-36.80	-21.20	-15.60
2462MHz	Pass	2.36G	2.4G	PK	2.38344G	7.01	-51.01	-45.74			-44.61	-37.60	-21.20	-16.40
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-46.64	-36.57			-36.16	-29.15	-21.20	-7.95
2462MHz	Pass	2.4835G	2.5235G	PK	2.48474G	7.01	-47.09	-35.74			-35.43	-28.42	-21.20	-7.22
2462MHz	Pass	2.5235G	2.6G	PK	2.5326G	7.01	-53.84	-48.93			-47.71	-40.70	-21.20	-19.50
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.3G	2.36G	AV	2.3564G	7.01	-62.68	-57.47			-56.33	-49.32	-41.20	-8.12
2412MHz	Pass	2.36G	2.4G	AV	2.38996G	7.01	-56.68	-49.66			-48.87	-41.86	-41.20	-0.66
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-61.57	-58.52			-56.77	-49.76	-41.20	-8.56
2412MHz	Pass	2.4835G	2.5235G	AV	2.49602G	7.01	-60.41	-58.43			-56.30	-49.29	-41.20	-8.09
2412MHz	Pass	2.5235G	2.6G	AV	2.54431G	7.01	-64.34	-60.55			-59.03	-52.02	-41.20	-10.82
2412MHz	Pass	2.3G	2.36G	PK	2.34338G	7.01	-52.56	-46.44			-45.49	-38.48	-21.20	-17.28
2412MHz	Pass	2.36G	2.4G	PK	2.39G	7.01	-43.50	-37.47			-36.50	-29.49	-21.20	-8.29
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-51.94	-48.78			-47.07	-40.06	-21.20	-18.86
2412MHz	Pass	2.4835G	2.5235G	PK	2.4947G	7.01	-52.69	-46.64			-45.68	-38.67	-21.20	-17.47
2412MHz	Pass	2.5235G	2.6G	PK	2.53857G	7.01	-52.60	-49.45			-47.74	-40.73	-21.20	-19.53
2417MHz	Pass	2.3G	2.36G	AV	2.35952G	7.01	-58.97	-54.07			-52.85	-45.84	-41.20	-4.64
2417MHz	Pass	2.36G	2.4G	AV	2.38996G	7.01	-56.17	-49.18			-48.39	-41.38	-41.20	-0.18
2417MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-58.90	-55.90			-54.14	-47.13	-41.20	-5.93
2417MHz	Pass	2.4835G	2.5235G	AV	2.4961G	7.01	-58.32	-55.48			-53.66	-46.65	-41.20	-5.45
2417MHz	Pass	2.5235G	2.6G	AV	2.53023G	7.01	-62.63	-57.34			-56.21	-49.20	-41.20	-8.00
2417MHz	Pass	2.3G	2.36G	PK	2.3513G	7.01	-49.97	-43.17			-42.35	-35.34	-21.20	-14.14
2417MHz	Pass	2.36G	2.4G	PK	2.38908G	7.01	-44.00	-35.40			-34.84	-27.83	-21.20	-6.63
2417MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-49.98	-45.42			-44.12	-37.11	-21.20	-15.91
2417MHz	Pass	2.4835G	2.5235G	PK	2.48354G	7.01	-50.82	-44.42			-43.52	-36.51	-21.20	-15.31
2417MHz	Pass	2.5235G	2.6G	PK	2.5362G	7.01	-45.81	-48.90			-44.08	-37.07	-21.20	-15.87
2437MHz	Pass	2.3G	2.36G	AV	2.35004G	7.01	-60.09	-53.29			-52.47	-45.46	-41.20	-4.26
2437MHz	Pass	2.36G	2.4G	AV	2.3898G	7.01	-57.42	-49.55			-48.89	-41.88	-41.20	-0.68
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-56.00	-49.80			-48.87	-41.86	-41.20	-0.66
2437MHz	Pass	2.4835G	2.5235G	AV	2.4849G	7.01	-56.13	-49.11			-48.32	-41.31	-41.20	-0.11
2437MHz	Pass	2.5235G	2.6G	AV	2.52381G	7.01	-63.06	-55.99			-55.21	-48.20	-41.20	-7.00



CSE (Restricted Band)_Iron R1_Antenna set 11 (Bandedge)
_P to M

Appendix F.5

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)
2437MHz	Pass	2.3G	2.36G	PK	2.3168G	7.01	-40.65	-44.32			-39.10	-32.09	-21.20	-10.89
2437MHz	Pass	2.36G	2.4G	PK	2.3892G	7.01	-47.58	-36.93			-36.57	-29.56	-21.20	-8.36
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-46.05	-40.02			-39.05	-32.04	-21.20	-10.84
2437MHz	Pass	2.4835G	2.5235G	PK	2.48438G	7.01	-45.06	-36.66			-36.07	-29.06	-21.20	-7.86
2437MHz	Pass	2.5235G	2.6G	PK	2.55731G	7.01	-45.10	-47.30			-43.05	-36.04	-21.20	-14.84
2457MHz	Pass	2.3G	2.36G	AV	2.31758G	7.01	-63.55	-57.87			-56.83	-49.82	-41.20	-8.62
2457MHz	Pass	2.36G	2.4G	AV	2.3708G	7.01	-60.21	-56.70			-55.10	-48.09	-41.20	-6.89
2457MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-55.86	-49.93			-48.94	-41.93	-41.20	-0.73
2457MHz	Pass	2.4835G	2.5235G	AV	2.4835G	7.01	-56.93	-49.00			-48.35	-41.34	-41.20	-0.14
2457MHz	Pass	2.5235G	2.6G	AV	2.53222G	7.01	-65.54	-59.37			-58.43	-51.42	-41.20	-10.22
2457MHz	Pass	2.3G	2.36G	PK	2.33726G	7.01	-44.56	-49.22			-43.28	-36.27	-21.20	-15.07
2457MHz	Pass	2.36G	2.4G	PK	2.381G	7.01	-49.59	-45.91			-44.36	-37.35	-21.20	-16.15
2457MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-43.87	-37.23			-36.38	-29.37	-21.20	-8.17
2457MHz	Pass	2.4835G	2.5235G	PK	2.48382G	7.01	-46.29	-36.64			-36.19	-29.18	-21.20	-7.98
2457MHz	Pass	2.5235G	2.6G	PK	2.53345G	7.01	-53.26	-49.07			-47.67	-40.66	-21.20	-19.46
2462MHz	Pass	2.3G	2.36G	AV	2.3387G	7.01	-65.76	-60.64			-59.48	-52.47	-41.20	-11.27
2462MHz	Pass	2.36G	2.4G	AV	2.3706G	7.01	-61.80	-59.41			-57.43	-50.42	-41.20	-9.22
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	7.01	-57.60	-49.52			-48.89	-41.88	-41.20	-0.68
2462MHz	Pass	2.4835G	2.5235G	AV	2.4839G	7.01	-57.40	-49.56			-48.90	-41.89	-41.20	-0.69
2462MHz	Pass	2.5235G	2.6G	AV	2.52572G	7.01	-65.77	-62.88			-61.08	-54.07	-41.20	-12.87
2462MHz	Pass	2.3G	2.36G	PK	2.34212G	7.01	-48.40	-52.07			-46.85	-39.84	-21.20	-18.64
2462MHz	Pass	2.36G	2.4G	PK	2.37672G	7.01	-52.24	-47.90			-46.54	-39.53	-21.20	-18.33
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	7.01	-46.93	-37.33			-36.88	-29.87	-21.20	-8.67
2462MHz	Pass	2.4835G	2.5235G	PK	2.48378G	7.01	-48.60	-36.95			-36.66	-29.65	-21.20	-8.45
2462MHz	Pass	2.5235G	2.6G	PK	2.52886G	7.01	-56.58	-50.93			-49.88	-42.87	-21.20	-21.67
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.3G	2.36G	AV	2.32784G	10.02	-62.24	-56.96	-57.66	-62.22	-53.08	-43.06	-41.20	-1.86
2412MHz	Pass	2.36G	2.4G	AV	2.37596G	10.02	-58.85	-55.38	-57.47	-59.16	-51.42	-41.40	-41.20	-0.20
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	10.02	-62.38	-59.03	-59.46	-60.14	-54.06	-44.04	-41.20	-2.84
2412MHz	Pass	2.4835G	2.5235G	AV	2.48954G	10.02	-61.69	-57.92	-58.25	-60.56	-53.31	-43.29	-41.20	-2.09
2412MHz	Pass	2.5235G	2.6G	AV	2.52886G	10.02	-63.93	-60.49	-62.16	-63.47	-56.28	-46.26	-41.20	-5.06
2412MHz	Pass	2.3G	2.36G	PK	2.3519G	10.02	-53.40	-51.38	-44.35	-52.36	-42.65	-32.63	-21.20	-11.43
2412MHz	Pass	2.36G	2.4G	PK	2.38352G	10.02	-51.67	-50.42	-45.31	-48.72	-42.31	-32.29	-21.20	-11.09
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	10.02	-52.55	-50.06	-50.21	-51.50	-44.94	-34.92	-21.20	-13.72
2412MHz	Pass	2.4835G	2.5235G	PK	2.50406G	10.02	-51.02	-51.40	-47.99	-51.44	-44.18	-34.16	-21.20	-12.96
2412MHz	Pass	2.5235G	2.6G	PK	2.53077G	10.02	-48.71	-53.06	-51.67	-48.77	-44.15	-34.13	-21.20	-12.93
2417MHz														
2437MHz	Pass	2.3G	2.36G	AV	2.32808G	10.02	-60.45	-60.23	-60.62	-57.08	-53.30	-43.28	-41.20	-2.08
2437MHz	Pass	2.36G	2.4G	AV	2.37608G	10.02	-57.87	-59.42	-58.26	-55.98	-51.68	-41.66	-41.20	-0.46
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	10.02	-61.27	-59.89	-57.43	-58.52	-53.02	-43.00	-41.20	-1.80
2437MHz	Pass	2.4835G	2.5235G	AV	2.48362G	10.02	-61.76	-60.25	-56.92	-58.35	-52.92	-42.90	-41.20	-1.70
2437MHz	Pass	2.5235G	2.6G	AV	2.52373G	10.02	-65.10	-62.78	-59.96	-59.68	-55.34	-45.32	-41.20	-4.12
2437MHz	Pass	2.3G	2.36G	PK	2.31728G	10.02	-44.96	-50.93	-43.83	-50.45	-40.44	-30.42	-21.20	-9.22
2437MHz	Pass	2.36G	2.4G	PK	2.3768G	10.02	-49.91	-49.36	-47.66	-43.89	-40.98	-30.96	-21.20	-9.76
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	10.02	-51.17	-50.21	-48.18	-49.58	-43.63	-33.61	-21.20	-12.41
2437MHz	Pass	2.4835G	2.5235G	PK	2.49718G	10.02	-52.43	-51.56	-48.28	-43.38	-41.34	-31.32	-21.20	-10.12
2437MHz	Pass	2.5235G	2.6G	PK	2.55655G	10.02	-48.90	-53.24	-45.09	-50.21	-42.36	-32.34	-21.20	-11.14
2457MHz														
2462MHz	Pass	2.3G	2.36G	AV	2.32808G	10.02	-62.74	-60.98	-59.17	-63.16	-55.19	-45.17	-41.20	-3.97
2462MHz	Pass	2.36G	2.4G	AV	2.368G	10.02	-61.13	-59.25	-58.54	-59.16	-53.40	-43.38	-41.20	-2.18
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	10.02	-61.68	-59.02	-59.81	-58.18	-53.47	-43.45	-41.20	-2.25
2462MHz	Pass	2.4835G	2.5235G	AV	2.48874G	10.02	-61.98	-58.59	-57.73	-56.08	-52.10	-42.08	-41.20	-0.88
2462MHz	Pass	2.5235G	2.6G	AV	2.53398G	10.02	-66.81	-63.02	-62.97	-60.76	-56.88	-46.86	-41.20	-5.66
2462MHz	Pass	2.3G	2.36G	PK	2.34278G	10.02	-48.11	-53.24	-51.97	-49.22	-44.14	-34.12	-21.20	-12.92
2462MHz	Pass	2.36G	2.4G	PK	2.36232G	10.02	-51.30	-50.00	-49.43	-48.38	-43.63	-33.61	-21.20	-12.41
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	10.02	-52.00	-49.31	-48.80	-49.15	-43.63	-33.61	-21.20	-12.41
2462MHz	Pass	2.4835G	2.5235G	PK	2.48634G	10.02	-50.95	-47.35	-50.19	-47.92	-42.83	-32.81	-21.20	-11.61
2462MHz	Pass	2.5235G	2.6G	PK	2.58026G	10.02	-53.61	-50.83	-52.66	-50.34	-45.64	-35.62	-21.20	-14.42
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.3G	2.36G	AV	2.3279G	10.02	-62.51	-57.49	-63.18	-57.74	-53.46	-43.44	-41.20	-2.24
2412MHz	Pass	2.36G	2.4G	AV	2.38996G	10.02	-59.66	-56.53	-58.55	-56.01	-51.42	-41.40	-41.20	-0.20
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	10.02	-61.56	-58.27	-60.64	-59.35	-53.76	-43.74	-41.20	-2.54
2412MHz	Pass	2.4835G	2.5235G	AV	2.48598G	10.02	-61.25	-58.73	-60.89	-59.28	-53.89	-43.87	-41.20	-2.67
2412MHz	Pass	2.5235G	2.6G	AV	2.52886G	10.02	-63.91	-61.56	-63.54	-62.33	-56.71	-46.69	-41.20	-5.49
2412MHz	Pass	2.3G	2.36G	PK	2.34638G	10.02	-52.52	-49.41	-51.89	-45.90	-43.08	-33.06	-21.20	-11.86
2412MHz	Pass	2.36G	2.4G	PK	2.38992G	10.02	-50.27	-46.08	-47.31	-45.09	-40.78	-30.76	-21.20	-9.56
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	10.02	-52.05	-49.31	-49.82	-50.88	-44.37	-34.35	-21.20	-13.15
2412MHz	Pass	2.4835G	2.5235G	PK	2.49018G	10.02	-52.70	-46.77	-50.38	-50.81	-43.58	-33.56	-21.20	-12.36
2412MHz	Pass	2.5235G	2.6G	PK	2.53169G	10.02	-49.32	-52.77	-47.74	-51.32	-43.85	-33.83	-21.20	-12.63
2417MHz														



**CSE (Restricted Band)_Iron R1_Antenna set 11 (Bandedge)
_P to M**

Appendix F.5

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)
2437MHz	Pass	2.3G	2.36G	AV	2.32802G	10.02	-61.50	-57.17	-61.71	-58.49	-53.26	-43.24	-41.20	-2.04
2437MHz	Pass	2.36G	2.4G	AV	2.37592G	10.02	-59.20	-56.14	-58.69	-56.03	-51.26	-41.24	-41.20	-0.04
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	10.02	-60.63	-58.19	-58.39	-58.55	-52.82	-42.80	-41.20	-1.60
2437MHz	Pass	2.4835G	2.5235G	AV	2.48418G	10.02	-61.45	-58.38	-57.38	-58.50	-52.67	-42.65	-41.20	-1.45
2437MHz	Pass	2.5235G	2.6G	AV	2.52763G	10.02	-65.48	-60.71	-60.24	-62.00	-55.67	-45.65	-41.20	-4.45
2437MHz	Pass	2.3G	2.36G	PK	2.31548G	10.02	-46.90	-50.47	-45.97	-50.24	-41.93	-31.91	-21.20	-10.71
2437MHz	Pass	2.36G	2.4G	PK	2.37684G	10.02	-52.22	-48.19	-49.77	-44.57	-41.76	-31.74	-21.20	-10.54
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	10.02	-51.92	-48.65	-48.96	-48.01	-43.13	-33.11	-21.20	-11.91
2437MHz	Pass	2.4835G	2.5235G	PK	2.49738G	10.02	-52.52	-47.89	-48.99	-45.51	-42.03	-32.01	-21.20	-10.81
2437MHz	Pass	2.5235G	2.6G	PK	2.55555G	10.02	-50.72	-51.51	-45.48	-51.71	-42.96	-32.94	-21.20	-11.74
2457MHz	Pass	2.3G	2.36G	AV	2.32796G	10.02	-64.12	-61.87	-64.48	-61.20	-56.67	-46.65	-41.20	-5.45
2457MHz	Pass	2.36G	2.4G	AV	2.37604G	10.02	-60.88	-59.68	-61.41	-59.79	-54.36	-44.34	-41.20	-3.14
2457MHz	Pass	2.4G	2.4835G	AV	2.4835G	10.02	-61.64	-57.62	-56.12	-58.24	-51.97	-41.95	-41.20	-0.75
2457MHz	Pass	2.4835G	2.5235G	AV	2.48462G	10.02	-61.58	-57.33	-55.68	-58.25	-51.71	-41.69	-41.20	-0.49
2457MHz	Pass	2.5235G	2.6G	AV	2.52396G	10.02	-66.23	-63.31	-63.13	-64.58	-58.13	-48.11	-41.20	-6.91
2457MHz	Pass	2.3G	2.36G	PK	2.3354G	10.02	-50.77	-52.26	-53.46	-51.60	-45.89	-35.87	-21.20	-14.67
2457MHz	Pass	2.36G	2.4G	PK	2.38344G	10.02	-52.26	-51.22	-52.40	-47.86	-44.48	-34.46	-21.20	-13.26
2457MHz	Pass	2.4G	2.4835G	PK	2.4835G	10.02	-50.43	-46.85	-44.97	-47.22	-40.94	-30.92	-21.20	-9.72
2457MHz	Pass	2.4835G	2.5235G	PK	2.48422G	10.02	-52.39	-46.54	-43.29	-48.28	-40.47	-30.45	-21.20	-9.25
2457MHz	Pass	2.5235G	2.6G	PK	2.5769G	10.02	-57.14	-53.66	-49.45	-53.68	-46.60	-36.58	-21.20	-15.38
2462MHz	Pass	2.3G	2.36G	AV	2.3279G	10.02	-64.73	-61.87	-64.45	-61.75	-56.96	-46.94	-41.20	-5.74
2462MHz	Pass	2.36G	2.4G	AV	2.37612G	10.02	-60.96	-59.25	-61.46	-59.77	-54.25	-44.23	-41.20	-3.03
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	10.02	-60.81	-56.62	-55.63	-57.99	-51.35	-41.33	-41.20	-0.13
2462MHz	Pass	2.4835G	2.5235G	AV	2.48354G	10.02	-61.98	-56.85	-55.44	-57.94	-51.45	-41.43	-41.20	-0.23
2462MHz	Pass	2.5235G	2.6G	AV	2.53459G	10.02	-66.67	-63.65	-63.78	-64.74	-58.53	-48.51	-41.20	-7.31
2462MHz	Pass	2.3G	2.36G	PK	2.34296G	10.02	-50.19	-53.14	-49.83	-53.98	-45.40	-35.38	-21.20	-14.18
2462MHz	Pass	2.36G	2.4G	PK	2.38008G	10.02	-50.69	-50.34	-51.56	-49.73	-44.51	-34.49	-21.20	-13.29
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	10.02	-50.32	-44.99	-43.34	-44.49	-39.10	-29.08	-21.20	-7.88
2462MHz	Pass	2.4835G	2.5235G	PK	2.48366G	10.02	-52.76	-45.36	-42.13	-47.52	-39.46	-29.44	-21.20	-8.24
2462MHz	Pass	2.5235G	2.6G	PK	2.58241G	10.02	-54.59	-55.08	-49.97	-54.51	-46.95	-36.93	-21.20	-15.73
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.3G	2.36G	AV	2.35994G	10.02	-64.40	-60.23	-61.51	-62.19	-55.81	-45.79	-41.20	-4.59
2412MHz	Pass	2.36G	2.4G	AV	2.38976G	10.02	-60.37	-56.46	-57.43	-58.74	-51.99	-41.97	-41.20	-0.77
2412MHz	Pass	2.4G	2.4835G	AV	2.4835G	10.02	-62.42	-60.22	-61.18	-60.60	-55.01	-44.99	-41.20	-3.79
2412MHz	Pass	2.4835G	2.5235G	AV	2.48558G	10.02	-62.45	-59.94	-59.36	-60.47	-54.39	-44.37	-41.20	-3.17
2412MHz	Pass	2.5235G	2.6G	AV	2.53834G	10.02	-66.36	-63.04	-63.38	-63.00	-57.73	-47.71	-41.20	-6.51
2412MHz	Pass	2.3G	2.36G	PK	2.32958G	10.02	-53.80	-50.47	-51.51	-50.03	-45.21	-35.19	-21.20	-13.99
2412MHz	Pass	2.36G	2.4G	PK	2.3884G	10.02	-52.54	-47.20	-43.05	-48.97	-40.61	-30.59	-21.20	-9.39
2412MHz	Pass	2.4G	2.4835G	PK	2.4835G	10.02	-51.41	-50.96	-51.67	-50.87	-45.19	-35.17	-21.20	-13.97
2412MHz	Pass	2.4835G	2.5235G	PK	2.50414G	10.02	-52.73	-49.08	-51.44	-48.80	-44.20	-34.18	-21.20	-12.98
2412MHz	Pass	2.5235G	2.6G	PK	2.53184G	10.02	-55.80	-53.16	-53.53	-47.51	-45.28	-35.26	-21.20	-14.06
2417MHz	Pass	2.3G	2.36G	AV	2.32808G	10.02	-62.95	-57.81	-60.61	-59.65	-53.86	-43.84	-41.20	-2.64
2417MHz	Pass	2.36G	2.4G	AV	2.37596G	10.02	-59.07	-55.99	-58.34	-57.02	-51.42	-41.40	-41.20	-0.20
2417MHz	Pass	2.4G	2.4835G	AV	2.4835G	10.02	-62.11	-58.92	-58.68	-59.11	-53.49	-43.47	-41.20	-2.27
2417MHz	Pass	2.4835G	2.5235G	AV	2.48446G	10.02	-61.67	-58.96	-58.92	-58.97	-53.47	-43.45	-41.20	-2.25
2417MHz	Pass	2.5235G	2.6G	AV	2.53582G	10.02	-66.04	-61.29	-60.97	-62.17	-56.20	-46.18	-41.20	-4.98
2417MHz	Pass	2.3G	2.36G	PK	2.35232G	10.02	-54.11	-47.93	-50.19	-45.16	-42.22	-32.20	-21.20	-11.00
2417MHz	Pass	2.36G	2.4G	PK	2.38844G	10.02	-49.93	-47.41	-47.88	-46.00	-41.57	-31.55	-21.20	-10.35
2417MHz	Pass	2.4G	2.4835G	PK	2.4835G	10.02	-52.58	-48.85	-49.01	-49.88	-43.83	-33.81	-21.20	-12.61
2417MHz	Pass	2.4835G	2.5235G	PK	2.50382G	10.02	-52.09	-48.22	-48.29	-49.52	-43.26	-33.24	-21.20	-12.04
2417MHz	Pass	2.5235G	2.6G	PK	2.53696G	10.02	-56.54	-51.35	-44.74	-52.69	-43.14	-33.12	-21.20	-11.92
2437MHz	Pass	2.3G	2.36G	AV	2.3279G	10.02	-60.74	-58.15	-61.70	-58.76	-53.58	-43.56	-41.20	-2.36
2437MHz	Pass	2.36G	2.4G	AV	2.37588G	10.02	-59.13	-55.53	-58.27	-57.02	-51.25	-41.23	-41.20	-0.03
2437MHz	Pass	2.4G	2.4835G	AV	2.4835G	10.02	-60.97	-57.75	-57.23	-58.23	-52.31	-42.29	-41.20	-1.09
2437MHz	Pass	2.4835G	2.5235G	AV	2.4853G	10.02	-61.44	-57.73	-57.69	-57.90	-52.42	-42.40	-41.20	-1.20
2437MHz	Pass	2.5235G	2.6G	AV	2.53375G	10.02	-64.89	-61.41	-60.05	-61.81	-55.69	-45.67	-41.20	-4.47
2437MHz	Pass	2.3G	2.36G	PK	2.31698G	10.02	-45.54	-48.00	-51.19	-50.60	-42.21	-32.19	-21.20	-10.99
2437MHz	Pass	2.36G	2.4G	PK	2.38092G	10.02	-50.33	-47.07	-48.44	-45.58	-41.49	-31.47	-21.20	-10.27
2437MHz	Pass	2.4G	2.4835G	PK	2.4835G	10.02	-50.76	-48.29	-47.57	-48.76	-42.67	-32.65	-21.20	-11.45
2437MHz	Pass	2.4835G	2.5235G	PK	2.48574G	10.02	-52.34	-47.24	-45.91	-48.90	-41.99	-31.97	-21.20	-10.77
2437MHz	Pass	2.5235G	2.6G	PK	2.55647G	10.02	-54.22	-51.05	-46.85	-52.46	-44.21	-34.19	-21.20	-12.99
2457MHz	Pass	2.3G	2.36G	AV	2.32796G	10.02	-64.89	-61.54	-64.30	-62.20	-56.99	-46.97	-41.20	-5.77
2457MHz	Pass	2.36G	2.4G	AV	2.37588G	10.02	-61.12	-59.27	-60.86	-60.24	-54.29	-44.27	-41.20	-3.07
2457MHz	Pass	2.4G	2.4835G	AV	2.4835G	10.02	-60.73	-57.03	-55.40	-57.74	-51.31	-41.29	-41.20	-0.09
2457MHz	Pass	2.4835G	2.5235G	AV	2.48374G	10.02	-62.23	-57.84	-55.34	-58.62	-51.84	-41.82	-41.20	-0.62
2457MHz	Pass	2.5235G	2.6G	AV	2.52664G	10.02	-65.62	-64.07	-63.77	-63.45	-58.13	-48.11	-41.20	-6.91
2457MHz	Pass	2.3G	2.36G	PK	2.33852G	10.02	-50.53	-52.43	-54.01	-53.41	-46.36	-36.34	-21.20	-13.14
2457MHz	Pass	2.36G	2.4G	PK	2.37576G	10.02	-51.87	-48.47	-51.28	-51.07	-44.44	-34.42	-21.20	-13.22
2457MHz	Pass	2.4G	2.4835G	PK	2.4835G	10.02	-50.77	-46.77	-42.38	-45.54	-39.39	-29.37	-21.20	-8.17
2457MHz	Pass	2.4835G	2.5235G	PK	2.48366G	10.02	-52.24	-45.10	-41.07	-47.35	-38.75	-28.73	-21.20	-7.53



**CSE (Restricted Band)_Iron R1_Antenna set 11 (Bandedge)
_P to M**

Appendix F.5

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)
2457MHz	Pass	2.5235G	2.6G	PK	2.52511G	10.02	-56.49	-52.01	-53.81	-53.31	-47.60	-37.58	-21.20	-16.38
2462MHz	Pass	2.3G	2.36G	AV	2.3519G	10.02	-66.37	-64.24	-65.71	-64.76	-59.17	-49.15	-41.20	-7.95
2462MHz	Pass	2.36G	2.4G	AV	2.36224G	10.02	-63.00	-60.78	-62.01	-61.98	-55.85	-45.83	-41.20	-4.63
2462MHz	Pass	2.4G	2.4835G	AV	2.4835G	10.02	-62.61	-57.60	-55.83	-58.30	-51.95	-41.93	-41.20	-0.73
2462MHz	Pass	2.4835G	2.5235G	AV	2.48354G	10.02	-62.35	-57.71	-56.37	-58.01	-52.10	-42.08	-41.20	-0.88
2462MHz	Pass	2.5235G	2.6G	AV	2.53819G	10.02	-66.45	-66.06	-67.00	-65.89	-60.31	-50.29	-41.20	-9.09
2462MHz	Pass	2.3G	2.36G	PK	2.32778G	10.02	-56.73	-52.54	-57.01	-54.65	-48.82	-38.80	-21.20	-17.60
2462MHz	Pass	2.36G	2.4G	PK	2.376G	10.02	-52.02	-52.40	-53.11	-49.90	-45.66	-35.64	-21.20	-14.44
2462MHz	Pass	2.4G	2.4835G	PK	2.4835G	10.02	-52.45	-46.72	-43.23	-45.89	-39.99	-29.97	-21.20	-8.77
2462MHz	Pass	2.4835G	2.5235G	PK	2.48398G	10.02	-53.78	-46.20	-43.88	-47.64	-40.64	-30.62	-21.20	-9.42
2462MHz	Pass	2.5235G	2.6G	PK	2.53727G	10.02	-56.18	-55.20	-56.99	-53.65	-49.30	-39.28	-21.20	-18.08

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

