

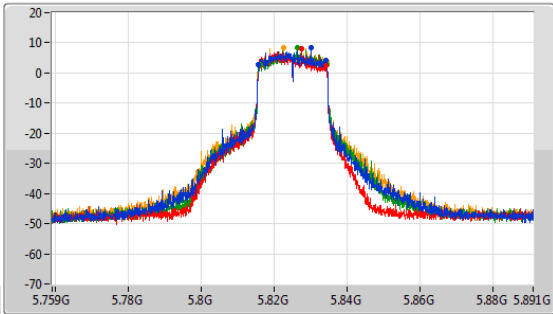


5.725-5.85GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

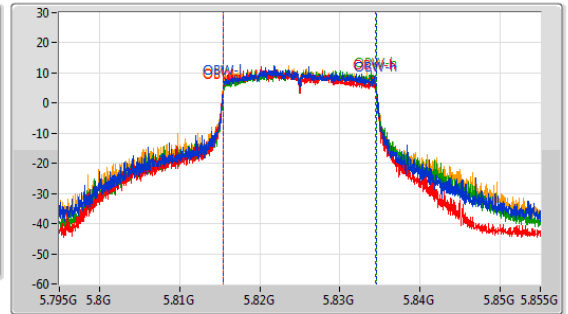
EBW

5825MHz

CF  
5.825GHz  
Span  
132MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.825GHz  
Span  
60MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



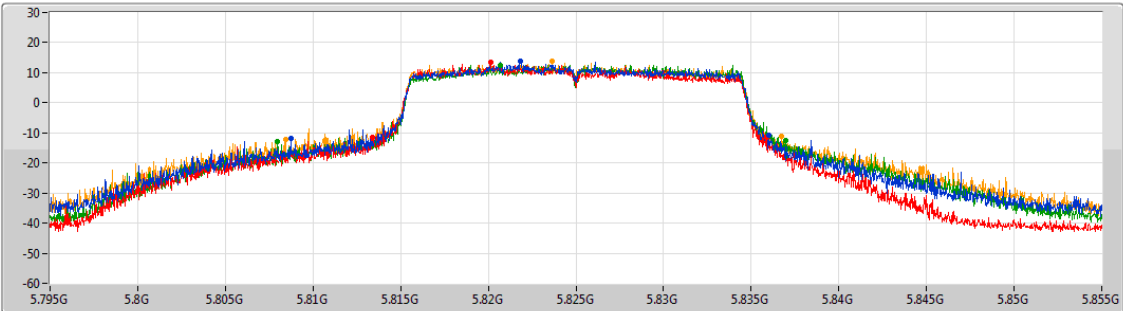
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.612M	5.815628G	5.83424G	19.04M	5.815465G	5.834505G	500k	1
18.546M	5.815496G	5.834042G	19.04M	5.815435G	5.834475G	500k	2
18.414M	5.816024G	5.834438G	19.04M	5.815495G	5.834535G	500k	3
18.744M	5.815562G	5.834306G	19.1M	5.815405G	5.834505G	500k	4

5.725-5.85GHz\_802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

EBW

5825MHz

CF  
5.825GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
27.27M	5.80874G	5.83601G	Inf	1
22.47M	5.81339G	5.83586G	Inf	2
28.95M	5.80799G	5.83694G	Inf	3
28.29M	5.80844G	5.83673G	Inf	4

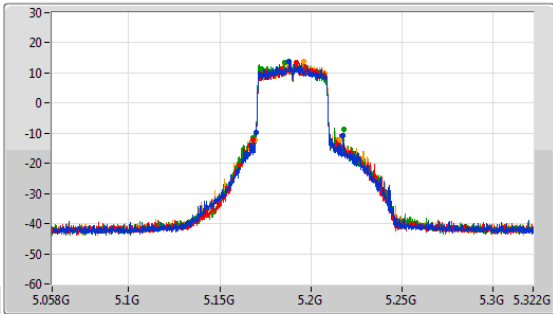


5.15-5.25GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

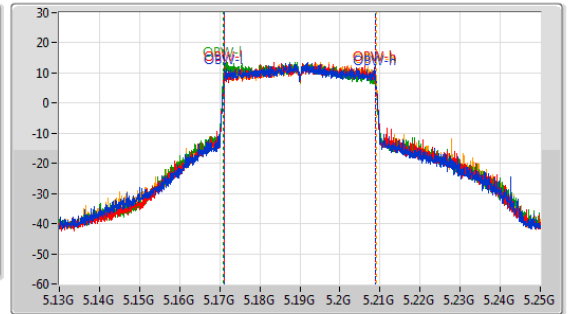
EBW

5190MHz

CF: 5.19GHz  
 Span: 264MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.19GHz  
 Span: 120MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



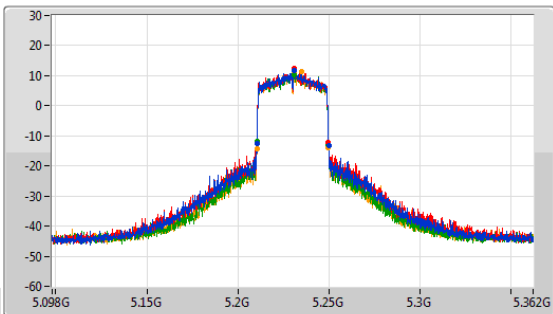
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
47.52M	5.1702G	5.21772G	37.841M	5.171109G	5.208951G	Inf	1
49.368M	5.167956G	5.217324G	37.841M	5.171109G	5.208951G	Inf	2
50.028M	5.16822G	5.218248G	37.781M	5.17099G	5.208771G	Inf	3
46.596M	5.169276G	5.215872G	37.841M	5.171169G	5.20901G	Inf	4

5.15-5.25GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

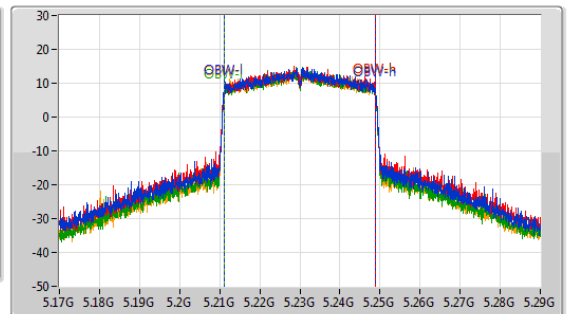
EBW

5230MHz

CF: 5.23GHz  
 Span: 264MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.23GHz  
 Span: 120MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.468M	5.210332G	5.2498G	37.661M	5.211169G	5.248831G	Inf	1
39.336M	5.210332G	5.249668G	37.661M	5.211169G	5.248831G	Inf	2
39.336M	5.210332G	5.249668G	37.601M	5.211229G	5.248831G	Inf	3
39.336M	5.210332G	5.249668G	37.541M	5.211229G	5.248771G	Inf	4

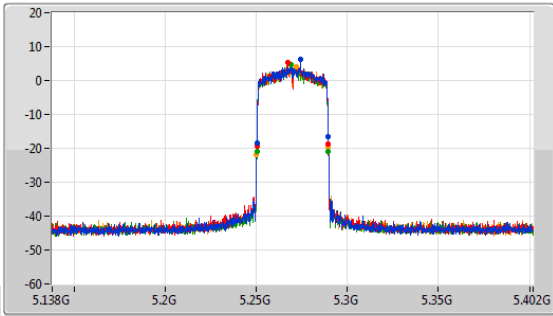


5.25-5.35GHz\_802.11ax\_HEW40-BF\_Nss1,(MCS0)\_4TX

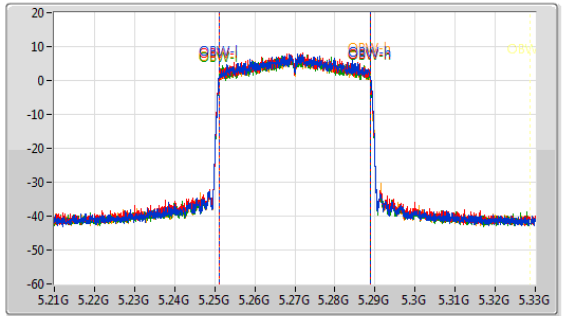
EBW

5270MHz

CF: 5.27GHz  
 Span: 264MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.27GHz  
 Span: 120MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



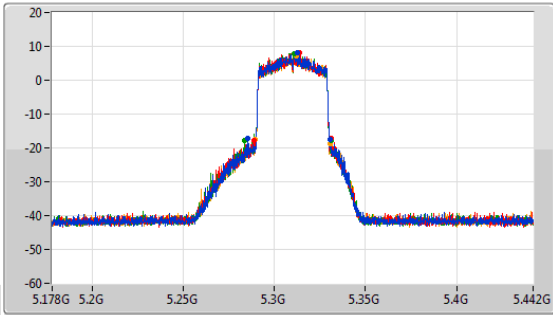
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.204M	5.250332G	5.289536G	37.661M	5.251169G	5.288831G	Inf	1
39.204M	5.250464G	5.289668G	37.541M	5.251229G	5.288771G	Inf	2
39.336M	5.250332G	5.289668G	37.541M	5.251229G	5.288771G	Inf	3
39.468M	5.2502G	5.289668G	37.541M	5.251229G	5.288771G	Inf	4

5.25-5.35GHz\_802.11ax\_HEW40-BF\_Nss1,(MCS0)\_4TX

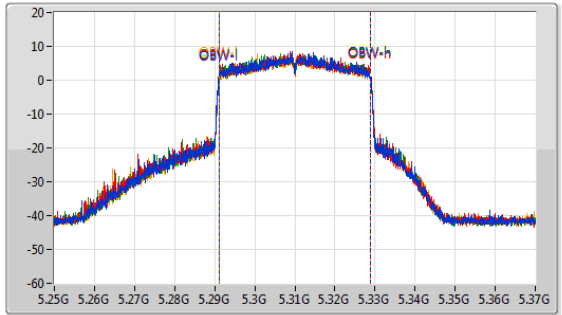
EBW

5310MHz

CF: 5.31GHz  
 Span: 264MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.31GHz  
 Span: 120MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.88M	5.28558G	5.33046G	37.781M	5.291109G	5.328891G	Inf	1
42.504M	5.288748G	5.331252G	37.721M	5.291109G	5.328831G	Inf	2
47.784M	5.283336G	5.33112G	37.661M	5.291169G	5.328831G	Inf	3
41.184M	5.289408G	5.330592G	37.661M	5.291169G	5.328831G	Inf	4

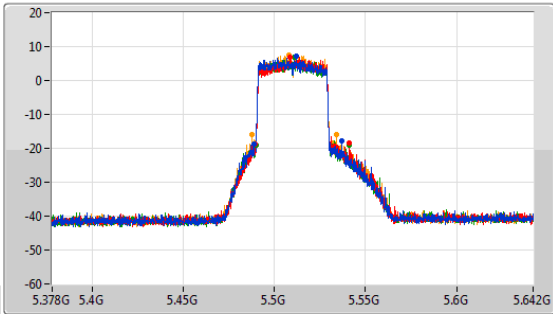


5.47-5.725GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

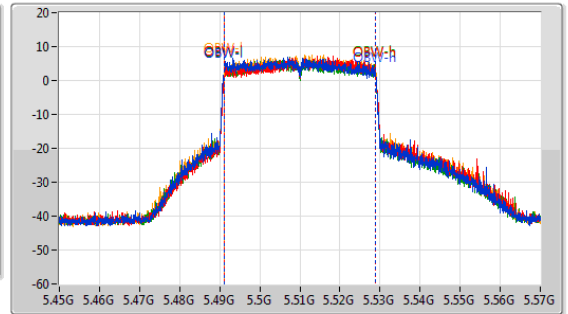
EBW

5510MHz

CF: 5.51GHz  
 Span: 264MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.51GHz  
 Span: 120MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



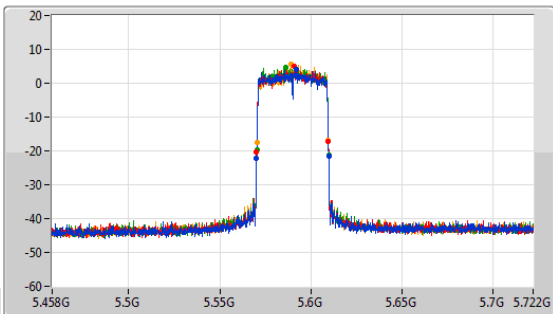
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.444M	5.488616G	5.53706G	37.841M	5.491049G	5.528891G	Inf	1
51.48M	5.489672G	5.541152G	37.781M	5.491169G	5.528951G	Inf	2
51.348M	5.489804G	5.541152G	37.841M	5.491109G	5.528951G	Inf	3
46.464M	5.487824G	5.534288G	37.841M	5.491109G	5.528951G	Inf	4

5.47-5.725GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

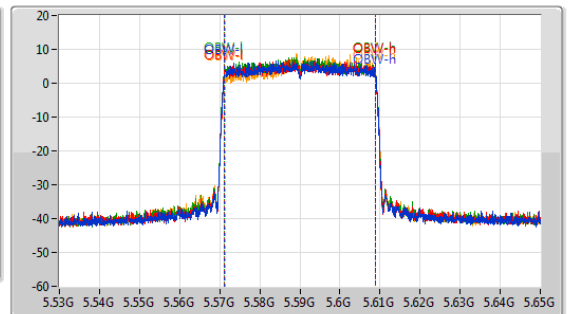
EBW

5590MHz

CF: 5.59GHz  
 Span: 264MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.59GHz  
 Span: 120MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.5702G	5.6098G	37.721M	5.571169G	5.608891G	Inf	1
39.468M	5.5702G	5.609668G	37.781M	5.571109G	5.608891G	Inf	2
39.468M	5.570332G	5.6098G	37.781M	5.571109G	5.608891G	Inf	3
39.336M	5.570332G	5.609668G	37.601M	5.571289G	5.608891G	Inf	4

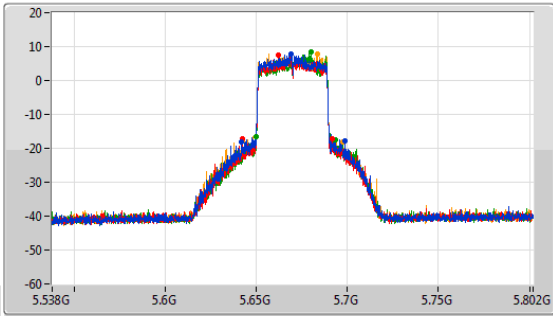


5.47-5.725GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

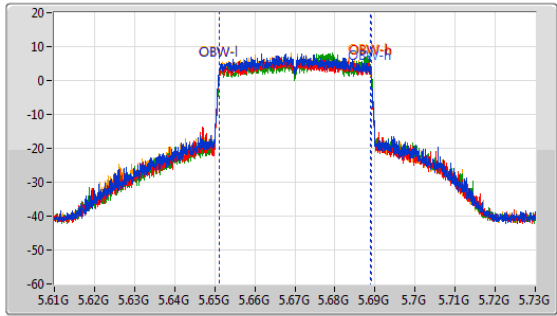
EBW

5670MHz

CF: 5.67GHz  
 Span: 264MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.67GHz  
 Span: 120MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



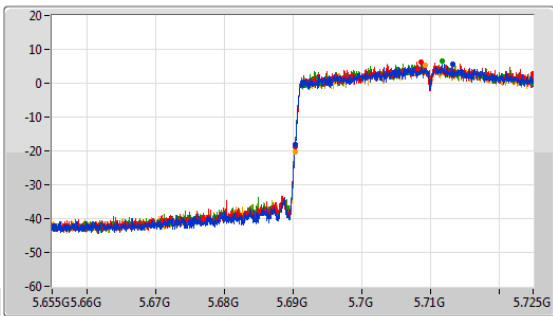
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
56.496M	5.642016G	5.698512G	37.901M	5.651049G	5.688951G	Inf	1
49.236M	5.642676G	5.691912G	37.961M	5.651049G	5.68901G	Inf	2
43.296M	5.6502G	5.693496G	37.901M	5.651169G	5.68907G	Inf	3
55.176M	5.64228G	5.697456G	37.901M	5.651049G	5.688951G	Inf	4

5.47-5.725GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

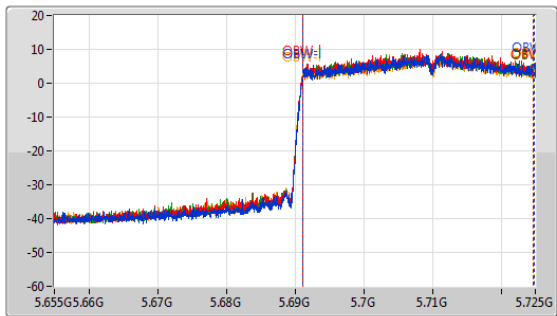
EBW

5710MHz Straddle 5.47-5.725GHz

CF: 5.69GHz  
 Span: 70MHz  
 RBW: 300kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.69GHz  
 Span: 70MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



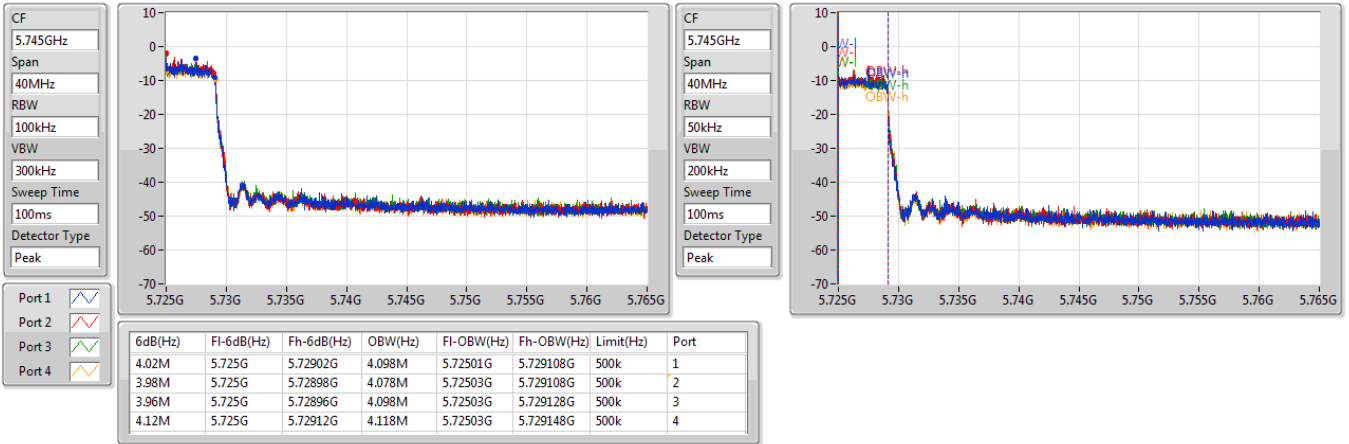
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.685M	5.690315G	5.725G	33.618M	5.691189G	5.724808G	Inf	1
34.685M	5.690315G	5.725G	33.513M	5.691224G	5.724738G	Inf	2
34.615M	5.690385G	5.725G	33.548M	5.691189G	5.724738G	Inf	3
34.685M	5.690315G	5.725G	33.583M	5.691189G	5.724773G	Inf	4



5.725-5.85GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

EBW

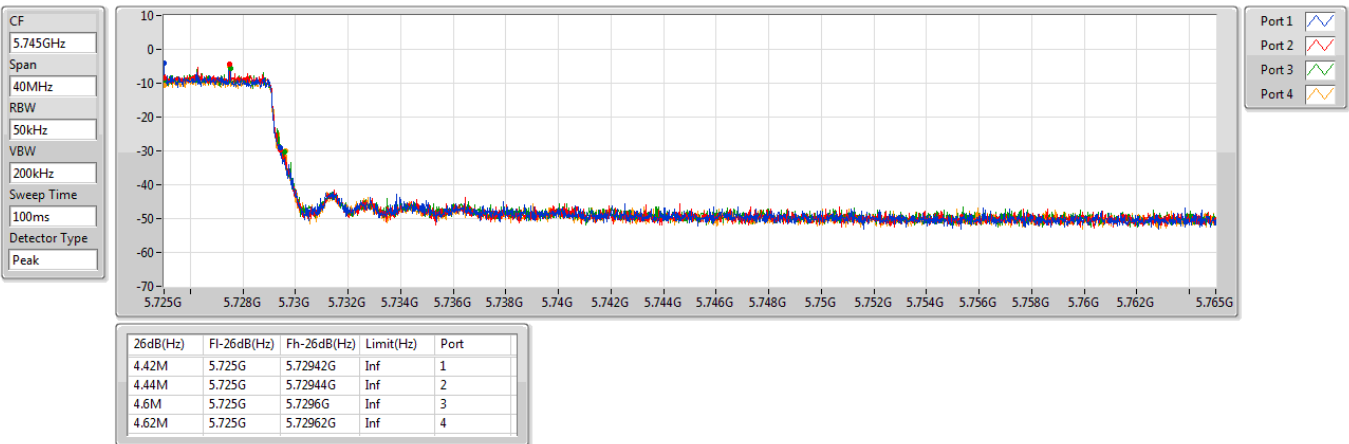
5710MHz Straddle 5.725-5.85GHz

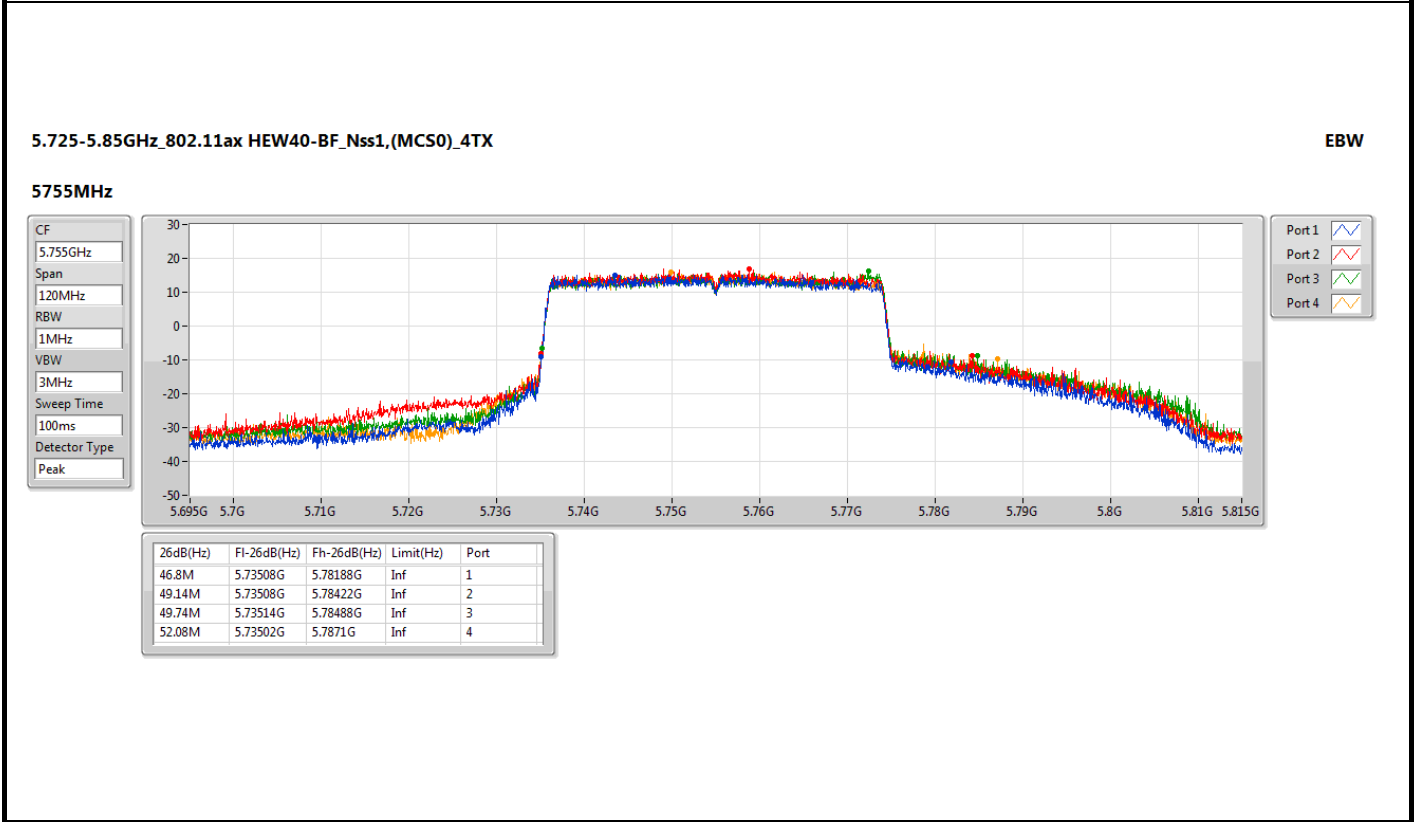
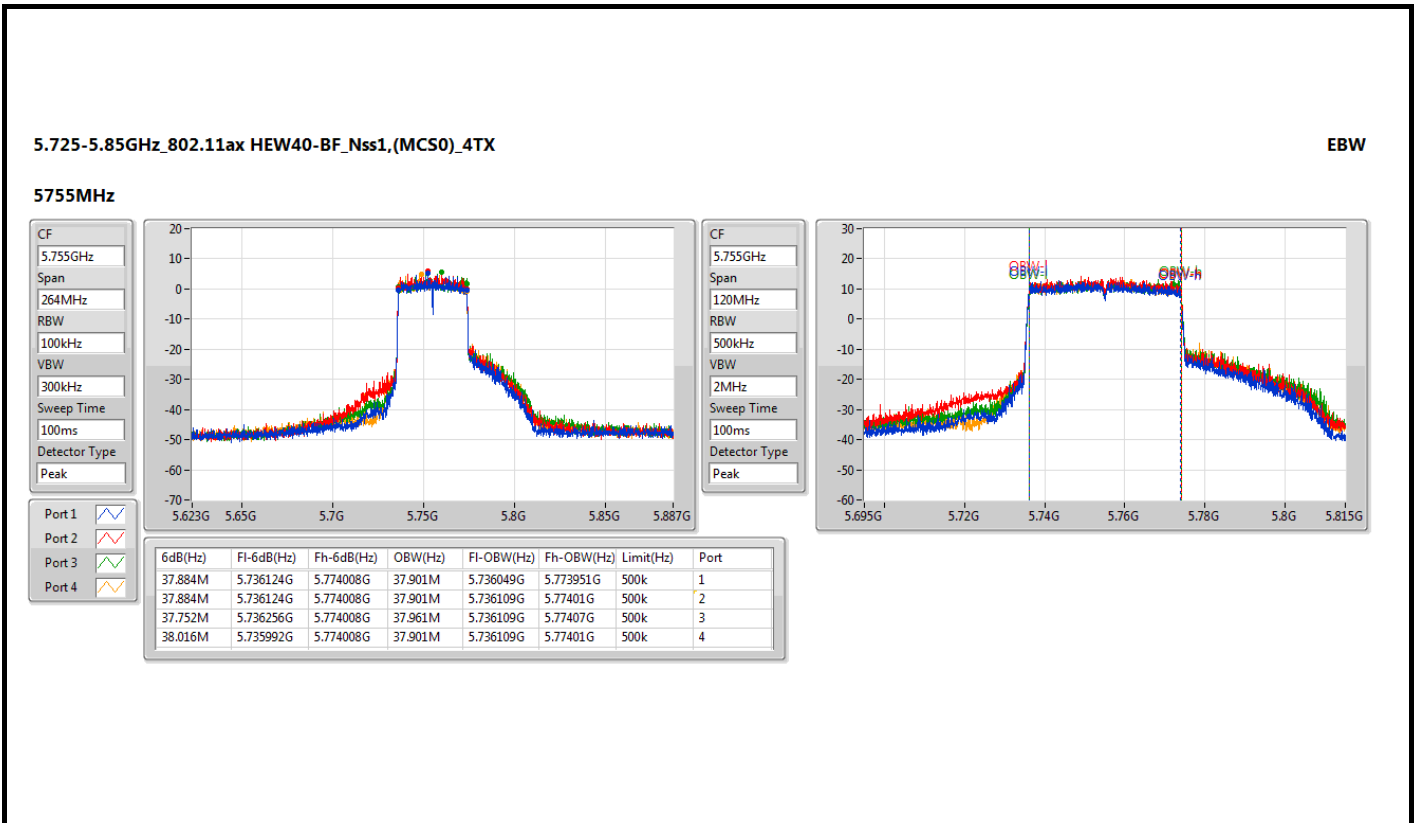


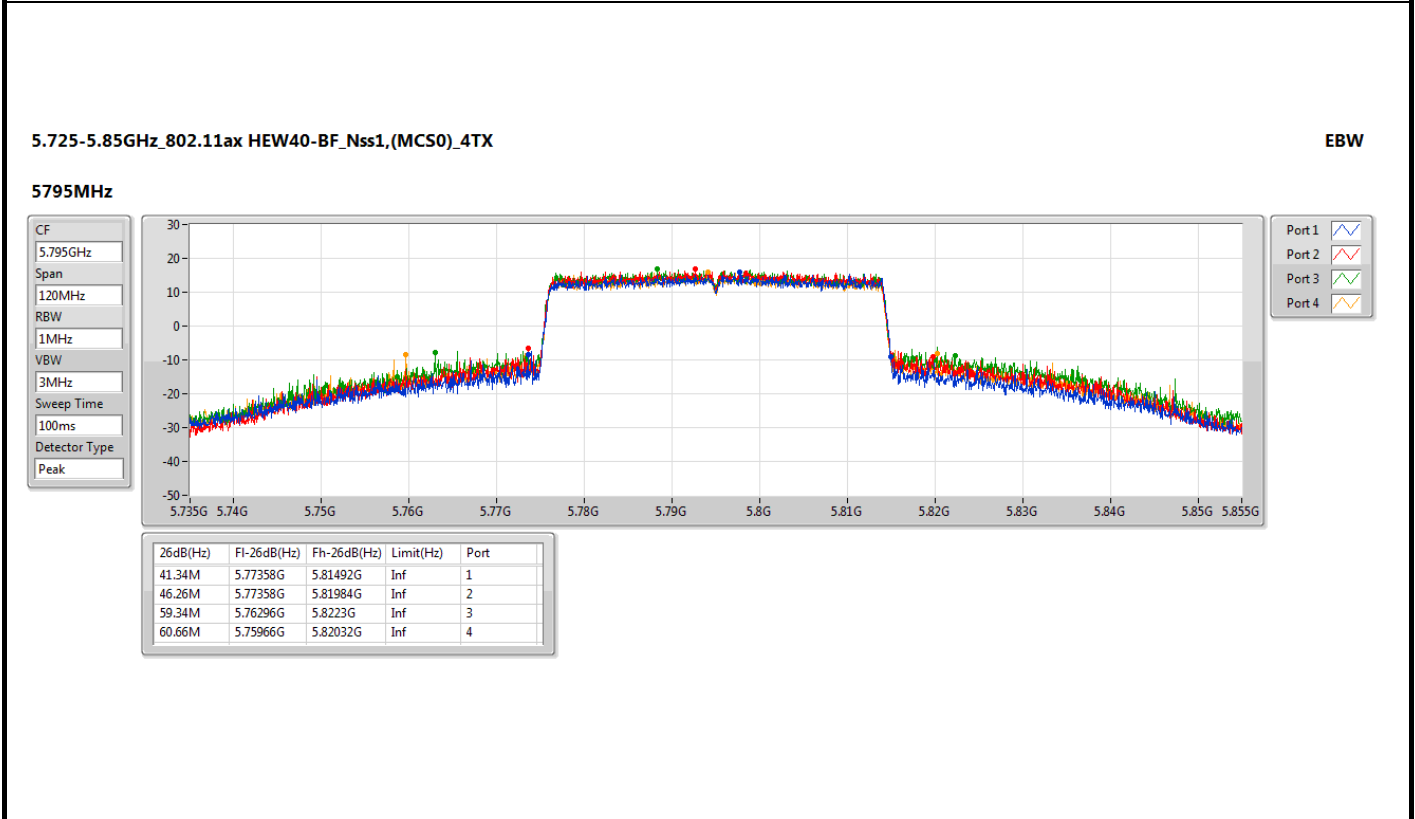
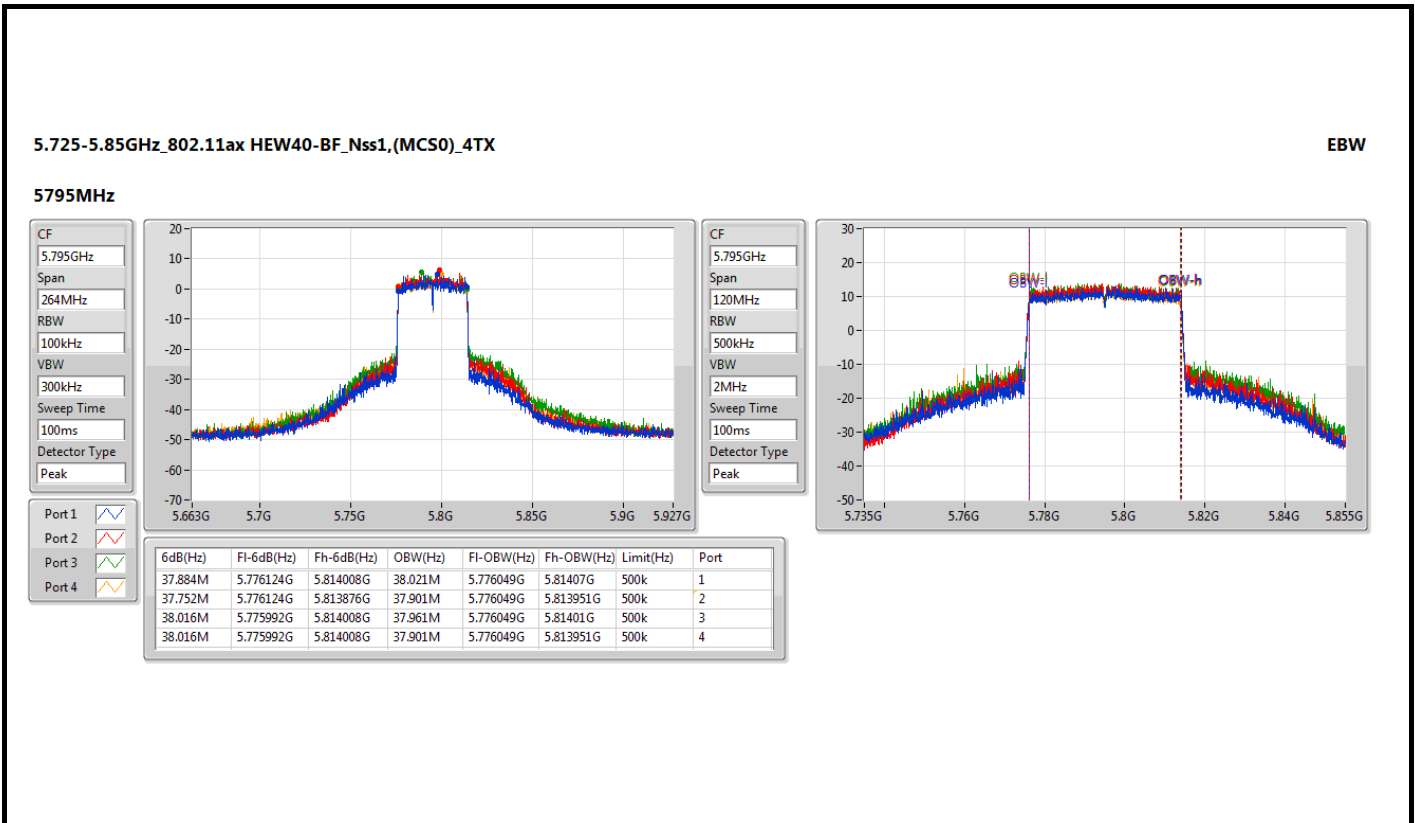
5.725-5.85GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

EBW

5710MHz Straddle 5.725-5.85GHz









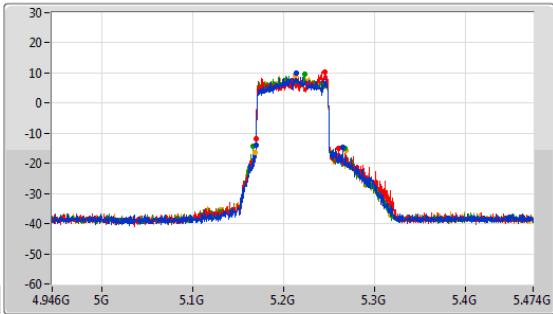


5.15-5.25GHz\_802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

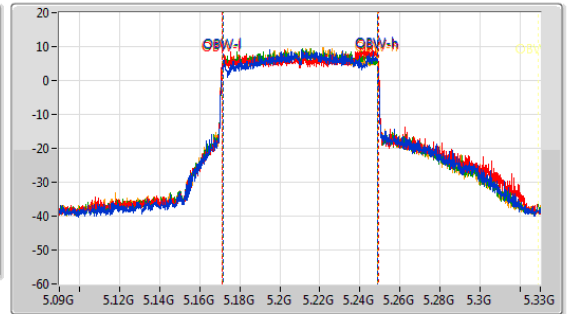
EBW

5210MHz

CF  
5.21GHz  
Span  
528MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.21GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



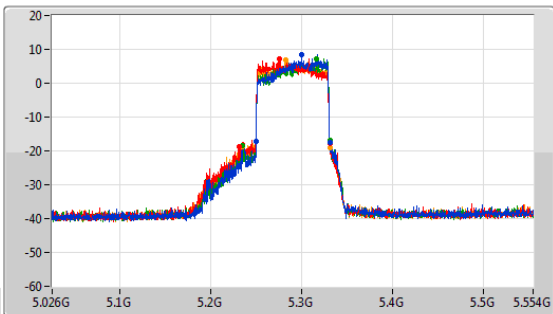
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
95.304M	5.169872G	5.265176G	77.361M	5.171619G	5.248981G	Inf	1
90.288M	5.169872G	5.26016G	77.841M	5.171259G	5.2491G	Inf	2
100.584M	5.166704G	5.267288G	77.361M	5.171499G	5.248861G	Inf	3
100.056M	5.168552G	5.268608G	77.481M	5.171259G	5.248741G	Inf	4

5.25-5.35GHz\_802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

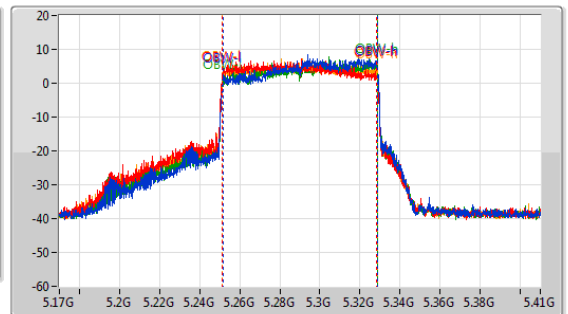
EBW

5290MHz

CF  
5.29GHz  
Span  
528MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.29GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.784M	5.249872G	5.330656G	77.121M	5.251739G	5.328861G	Inf	1
99.792M	5.23192G	5.331712G	77.361M	5.251139G	5.328501G	Inf	2
96.888M	5.234824G	5.331712G	77.241M	5.251619G	5.328861G	Inf	3
96.624M	5.234824G	5.331448G	77.481M	5.251259G	5.328741G	Inf	4

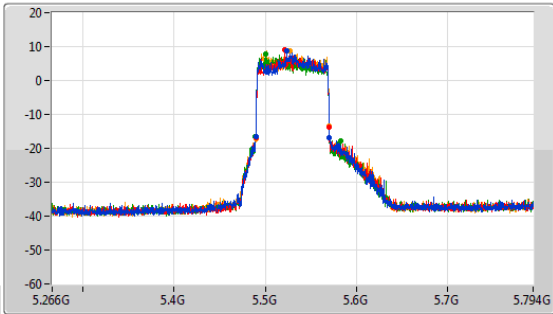


5.47-5.725GHz\_802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

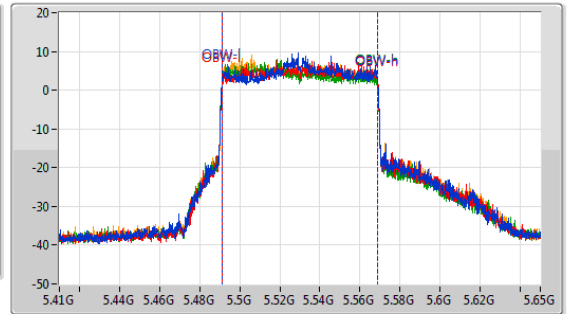
EBW

5530MHz

CF: 5.53GHz  
 Span: 528MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.53GHz  
 Span: 240MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



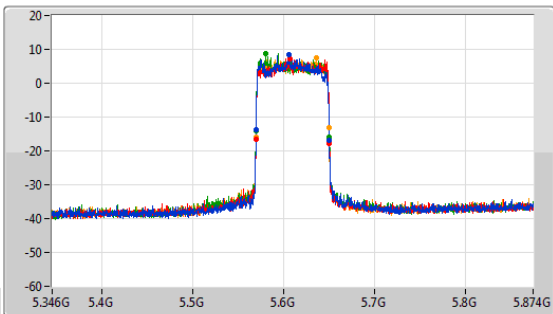
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.784M	5.489608G	5.570392G	77.361M	5.491379G	5.568741G	Inf	1
80.52M	5.489608G	5.570128G	77.481M	5.491379G	5.568861G	Inf	2
94.776M	5.488552G	5.583328G	77.361M	5.491259G	5.568621G	Inf	3
80.52M	5.489608G	5.570128G	77.361M	5.491379G	5.568741G	Inf	4

5.47-5.725GHz\_802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

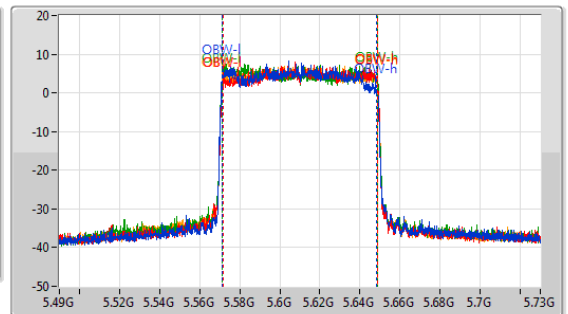
EBW

5610MHz

CF: 5.61GHz  
 Span: 528MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 5.61GHz  
 Span: 240MHz  
 RBW: 1MHz  
 VBW: 3MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



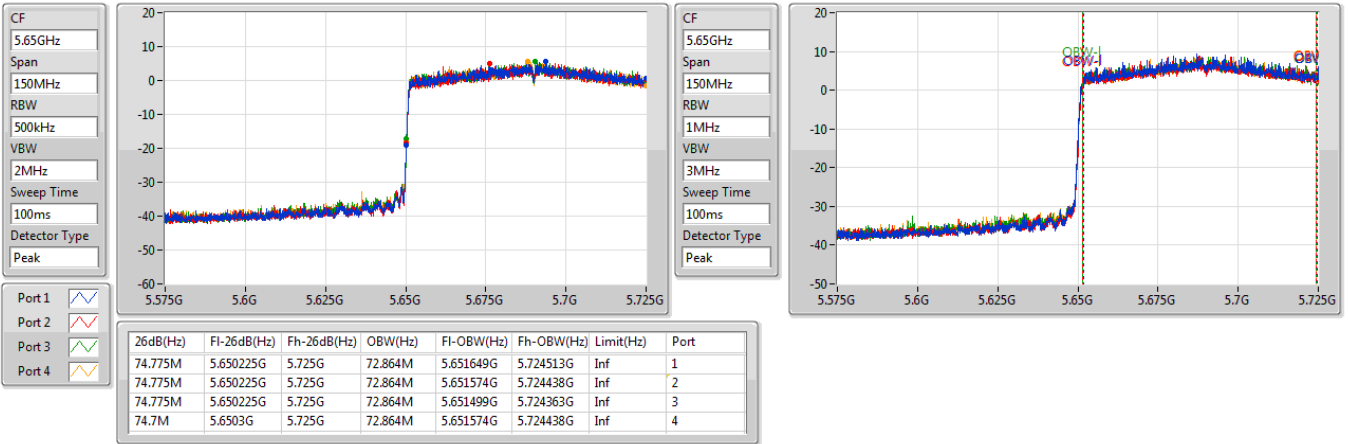
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.256M	5.569872G	5.650128G	77.121M	5.571139G	5.648261G	Inf	1
80.52M	5.569872G	5.650392G	77.121M	5.571619G	5.648741G	Inf	2
80.52M	5.569872G	5.650392G	77.361M	5.571259G	5.648621G	Inf	3
80.256M	5.569872G	5.650128G	77.241M	5.571379G	5.648621G	Inf	4



5.47-5.725GHz\_802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

EBW

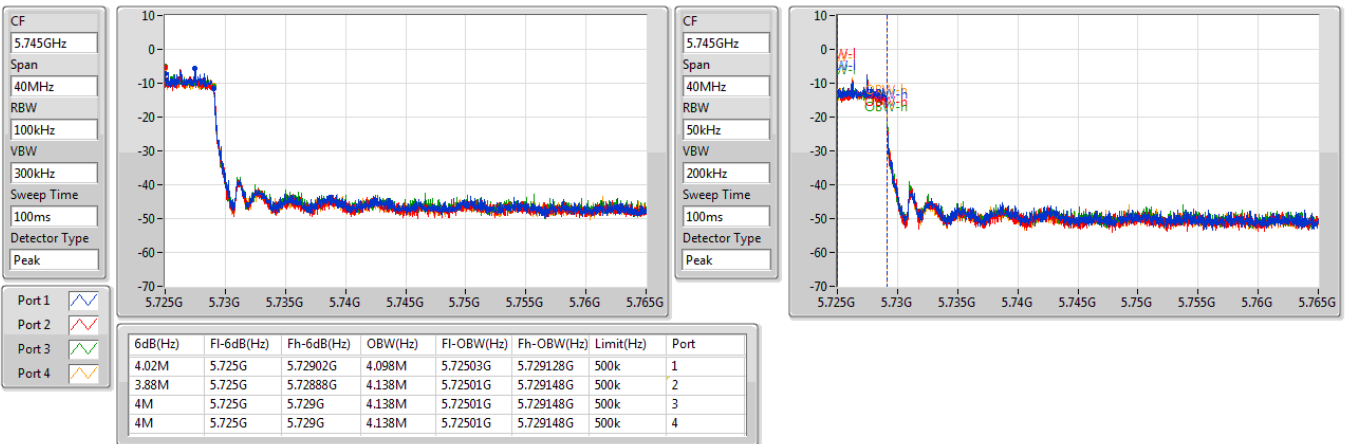
5690MHz Straddle 5.47-5.725GHz

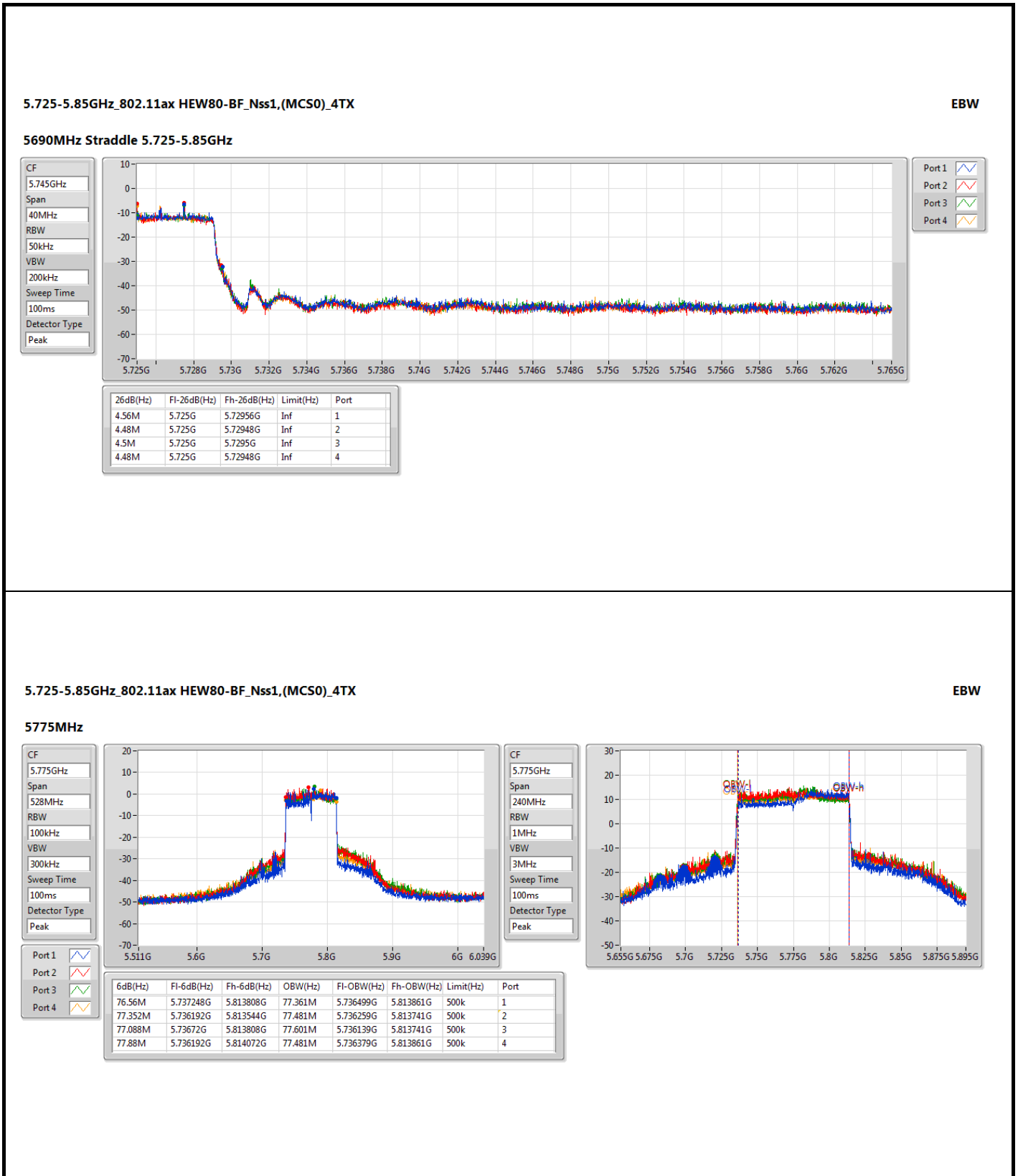


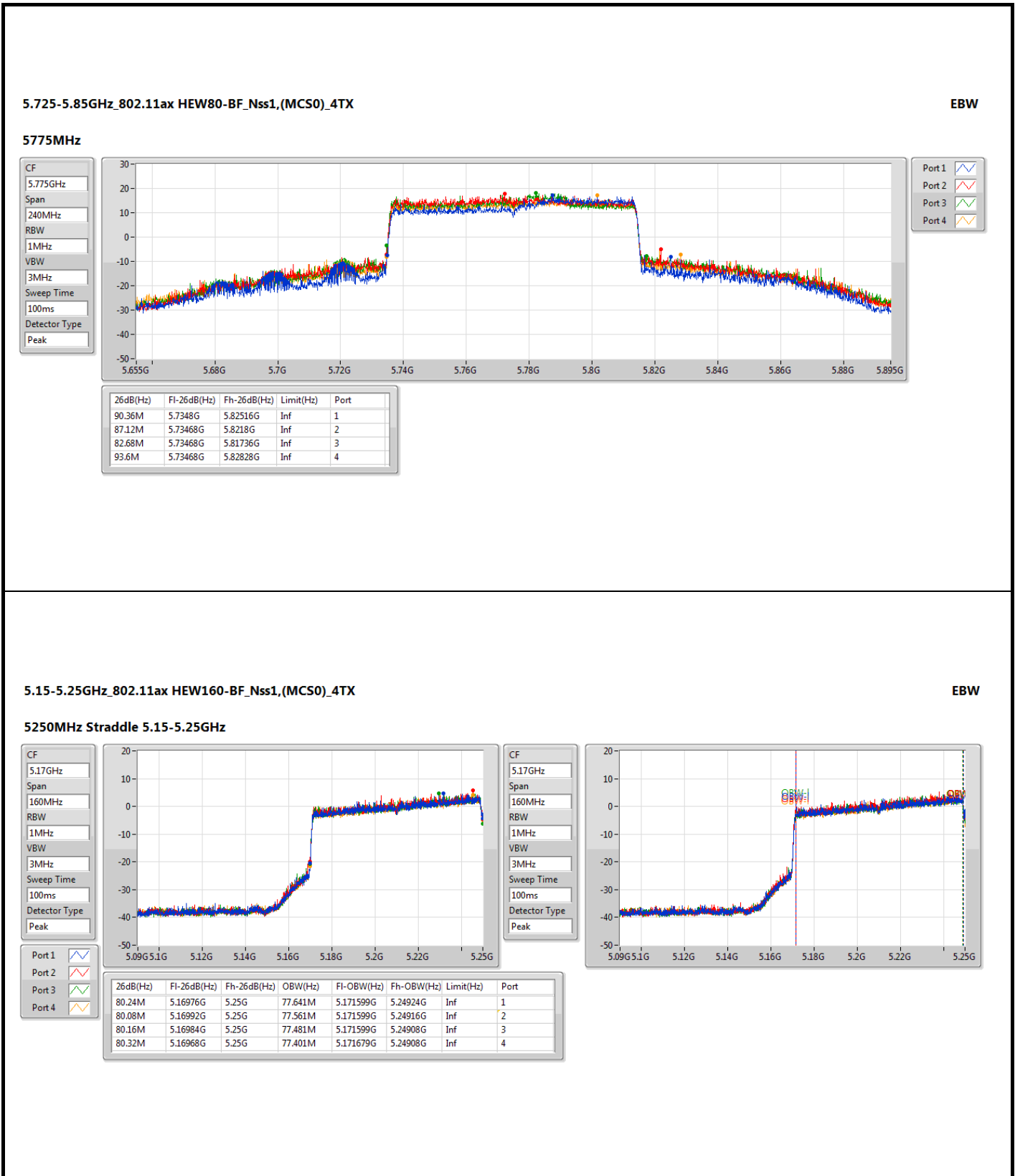
5.725-5.85GHz\_802.11ax HEW80-BF\_Nss1,(MCS0)\_4TX

EBW

5690MHz Straddle 5.725-5.85GHz





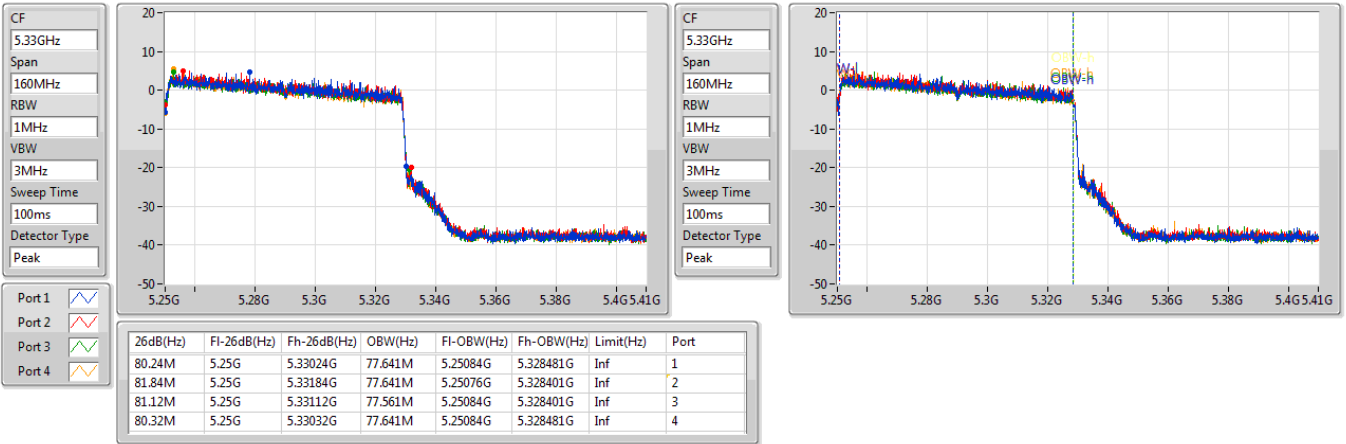




5.25-5.35GHz\_802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX

EBW

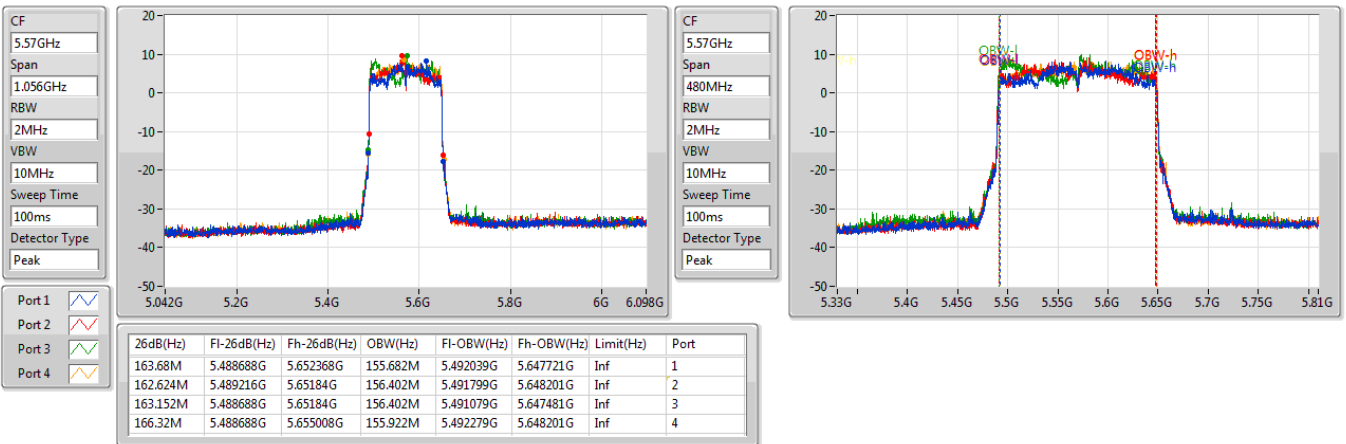
5250MHz Straddle 5.25-5.35GHz



5.47-5.725GHz\_802.11ax HEW160-BF\_Nss1,(MCS0)\_4TX

EBW

5570MHz





**Non-beamforming mode**

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	26.21	0.41783	30.26	1.06170
802.11ax HEW20_Nss1,(MCS0)_4TX	26.94	0.49431	30.99	1.25603
802.11ax HEW40_Nss1,(MCS0)_4TX	27.50	0.56234	31.55	1.42889
802.11ax HEW80_Nss1,(MCS0)_4TX	21.88	0.15417	25.93	0.39174
802.11ax HEW160_Nss1,(MCS0)_4TX	17.07	0.05093	21.12	0.12942
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.03	0.10069	24.08	0.25586
802.11ax HEW20_Nss1,(MCS0)_4TX	20.54	0.11324	24.59	0.28774
802.11ax HEW40_Nss1,(MCS0)_4TX	21.63	0.14555	25.68	0.36983
802.11ax HEW80_Nss1,(MCS0)_4TX	21.43	0.13900	25.48	0.35318
802.11ax HEW160_Nss1,(MCS0)_4TX	17.27	0.05333	21.32	0.13552
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.32	0.10765	24.44	0.27797
802.11ax HEW20_Nss1,(MCS0)_4TX	20.70	0.11749	24.82	0.30339
802.11ax HEW40_Nss1,(MCS0)_4TX	22.36	0.17219	26.48	0.44463
802.11ax HEW80_Nss1,(MCS0)_4TX	23.69	0.23388	27.81	0.60395
802.11ax HEW160_Nss1,(MCS0)_4TX	21.81	0.15171	25.93	0.39174
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	29.53	0.89743	34.32	2.70396
802.11ax HEW20_Nss1,(MCS0)_4TX	29.49	0.88920	34.28	2.67917
802.11ax HEW40_Nss1,(MCS0)_4TX	29.50	0.89125	34.29	2.68534
802.11ax HEW80_Nss1,(MCS0)_4TX	26.76	0.47424	31.55	1.42889



**Conducted Output Power(Average)**

**Appendix B.1**

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.053	19.96	19.85	19.84	20.25	26.00	30.00	30.05	36.00
5200MHz	Pass	4.053	20.12	20.16	20.04	20.42	26.21	30.00	30.26	36.00
5240MHz	Pass	4.053	20.05	19.98	19.62	19.61	25.84	30.00	29.89	36.00
5260MHz	Pass	4.053	14.21	14.22	13.68	13.92	20.03	24.00	24.08	30.00
5300MHz	Pass	4.053	13.94	13.81	13.84	13.39	19.77	24.00	23.82	30.00
5320MHz	Pass	4.053	13.83	13.69	13.91	13.45	19.74	24.00	23.79	30.00
5500MHz	Pass	4.120	13.89	14.01	13.65	14.45	20.03	24.00	24.15	30.00
5580MHz	Pass	4.120	14.02	14.18	14.52	14.45	20.32	24.00	24.44	30.00
5700MHz	Pass	4.120	14.12	14.55	14.26	13.89	20.23	24.00	24.35	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.120	12.9	13.14	12.86	12.57	18.89	22.89	23.01	28.89
5720MHz Straddle 5.725-5.85GHz	Pass	4.789	6.51	7.84	7.33	6.71	13.15	30.00	17.94	36.00
5745MHz	Pass	4.789	23.32	24.01	23.52	23.14	29.53	30.00	34.32	36.00
5785MHz	Pass	4.789	23.54	23.96	23.38	23.03	29.51	30.00	34.30	36.00
5825MHz	Pass	4.789	23.69	23.66	23.34	22.98	29.45	30.00	34.24	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	4.053	20.81	20.74	20.85	20.96	26.86	30.00	30.91	36.00
5200MHz	Pass	4.053	20.94	20.86	20.92	20.95	26.94	30.00	30.99	36.00
5240MHz	Pass	4.053	20.92	20.91	20.75	20.86	26.88	30.00	30.93	36.00
5260MHz	Pass	4.053	14.34	14.21	15.02	14.45	20.54	24.00	24.59	30.00
5300MHz	Pass	4.053	14.24	14.18	14.95	14.56	20.51	24.00	24.56	30.00
5320MHz	Pass	4.053	14.54	14.35	14.55	14.21	20.44	24.00	24.49	30.00
5500MHz	Pass	4.120	14.16	14.25	14.02	14.64	20.29	24.00	24.41	30.00
5580MHz	Pass	4.120	14.35	14.66	14.81	14.89	20.70	24.00	24.82	30.00
5700MHz	Pass	4.120	14.51	14.83	14.52	14.26	20.56	24.00	24.68	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.120	12.96	13.36	13.05	12.73	19.05	23.06	23.17	29.06
5720MHz Straddle 5.725-5.85GHz	Pass	4.789	8.02	8.48	8.1	7.75	14.12	30.00	18.91	36.00
5745MHz	Pass	4.789	23.14	24.08	23.48	23.12	29.49	30.00	34.28	36.00
5785MHz	Pass	4.789	23.15	23.96	23.37	23.02	29.41	30.00	34.20	36.00
5825MHz	Pass	4.789	23.56	23.75	23.29	22.86	29.40	30.00	34.19	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	4.053	20.35	20.41	20.38	20.56	26.45	30.00	30.50	36.00
5230MHz	Pass	4.053	21.42	21.92	21.35	21.2	27.50	30.00	31.55	36.00
5270MHz	Pass	4.053	15.72	15.78	15.36	15.31	21.57	24.00	25.62	30.00
5310MHz	Pass	4.053	15.76	15.69	15.74	15.22	21.63	24.00	25.68	30.00
5510MHz	Pass	4.120	16.24	16.44	15.94	16.69	22.36	24.00	26.48	30.00
5590MHz	Pass	4.120	15.76	16.08	16.31	16.35	22.15	24.00	26.27	30.00



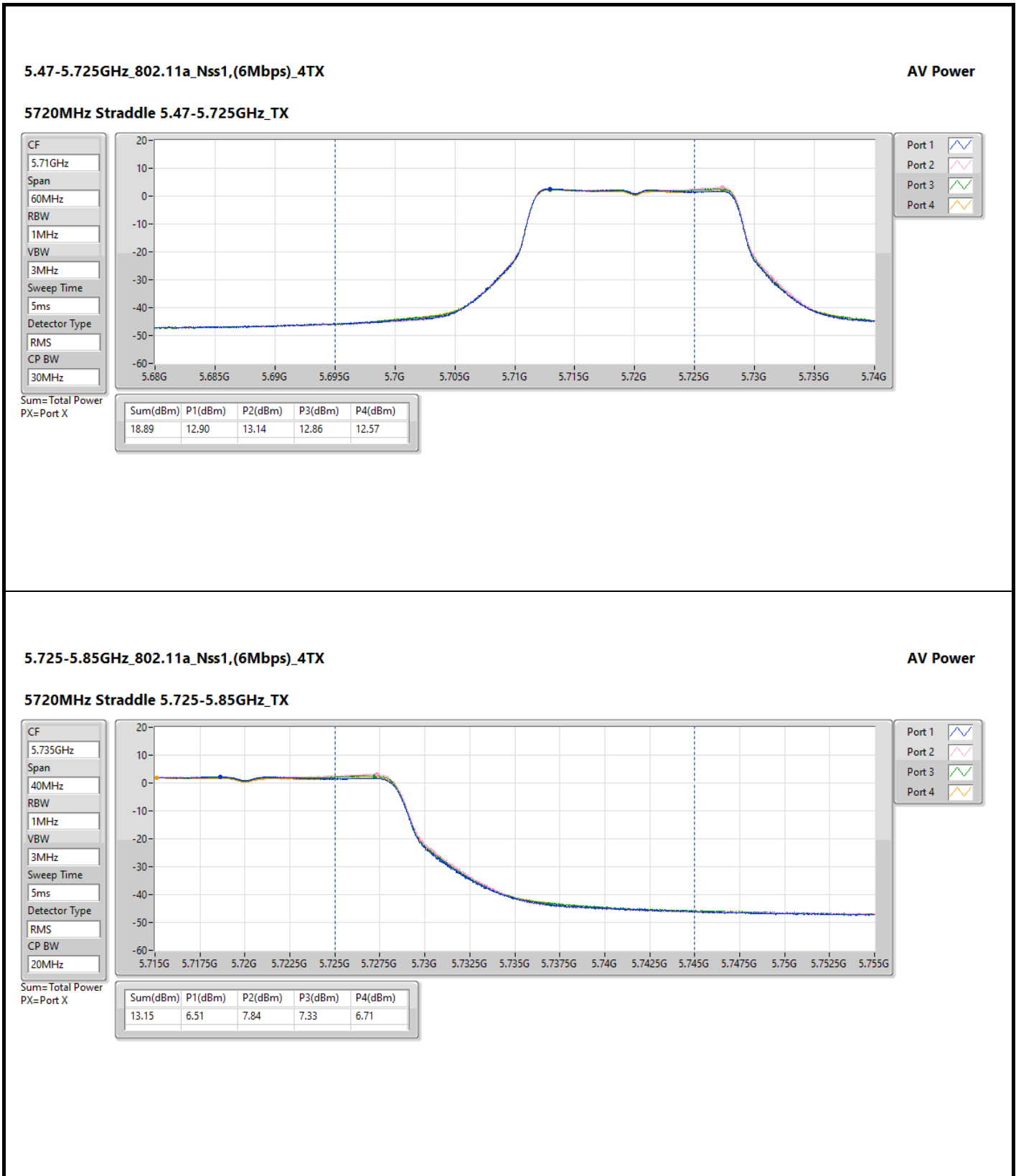


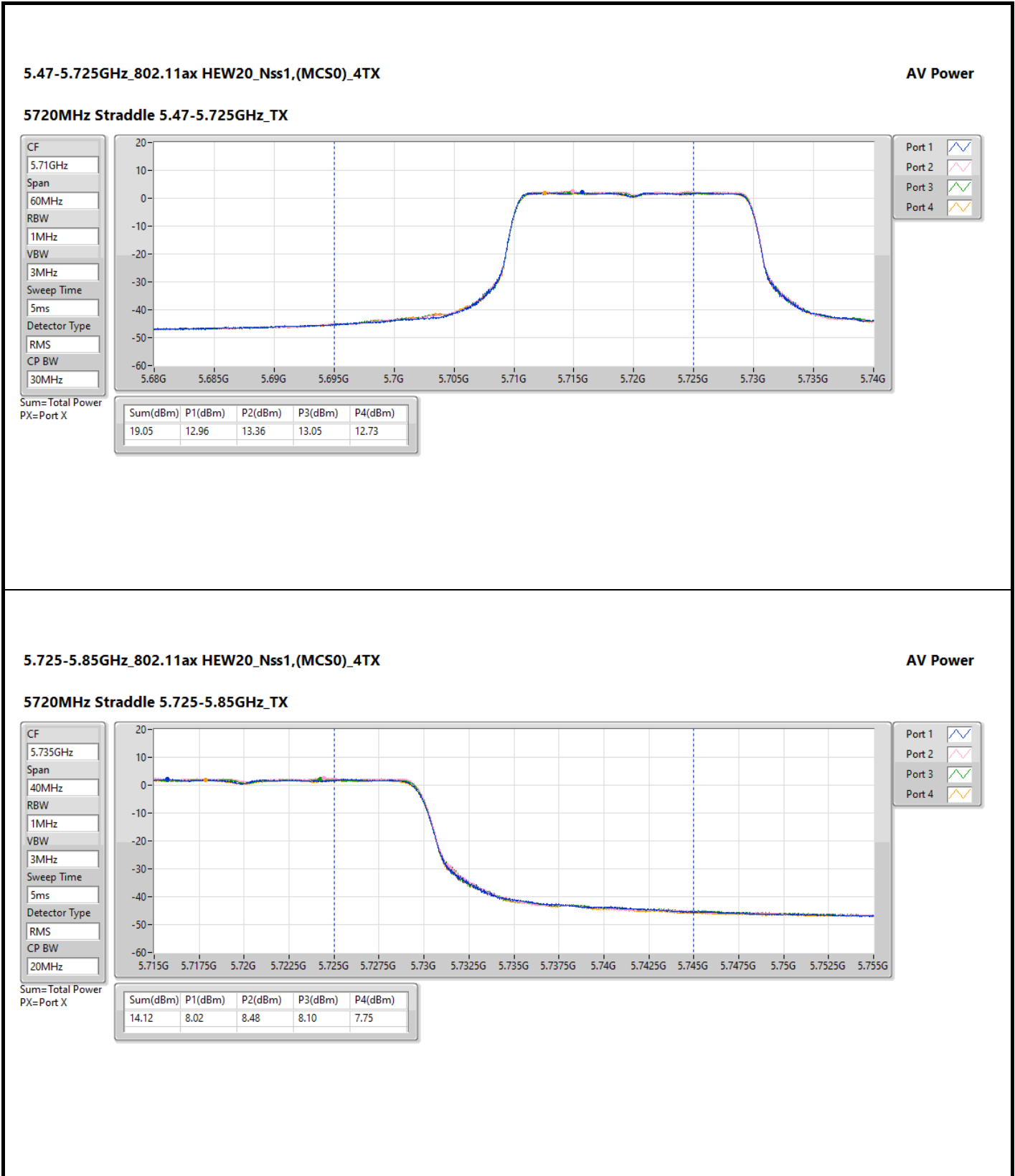
**Conducted Output Power(Average)**

**Appendix B.1**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5670MHz	Pass	4.120	16.56	16.02	16.11	16.32	22.28	24.00	26.40	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.120	15.86	16.36	15.94	15.58	21.96	24.00	26.08	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.789	4.78	5.14	4.76	4.31	10.78	30.00	15.57	36.00
5755MHz	Pass	4.789	23.42	23.97	23.43	23.06	29.50	30.00	34.29	36.00
5795MHz	Pass	4.789	23.36	23.92	23.32	22.95	29.42	30.00	34.21	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	4.053	15.75	15.72	15.74	16.19	21.88	30.00	25.93	36.00
5290MHz	Pass	4.053	15.62	15.54	15.21	15.26	21.43	24.00	25.48	30.00
5530MHz	Pass	4.120	15.81	15.86	15.44	16.31	21.89	24.00	26.01	30.00
5610MHz	Pass	4.120	17.32	17.64	17.75	17.69	23.62	24.00	27.74	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.120	18.01	17.42	17.55	17.66	23.69	24.00	27.81	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.789	3.4	2.92	2.99	2.95	9.09	30.00	13.88	36.00
5775MHz	Pass	4.789	20.51	21.28	20.56	20.54	26.76	30.00	31.55	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	4.053	11.07	11.22	10.8	11.08	17.07	30.00	21.12	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.053	11.36	11.6	10.93	11.07	17.27	24.00	21.32	30.00
5570MHz	Pass	4.120	15.41	15.67	15.93	16.12	21.81	24.00	25.93	30.00

DG = Directional Gain; Port X = Port X output power





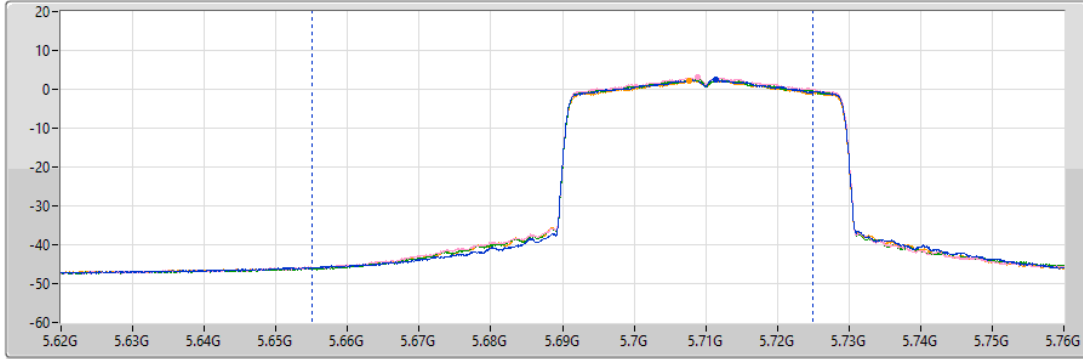


5.47-5.725GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz\_TX

CF  
5.69GHz  
Span  
140MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
5ms  
Detector Type  
RMS  
CP BW  
70MHz



Port 1  
Port 2  
Port 3  
Port 4

Sum=Total Power  
PX=Port X

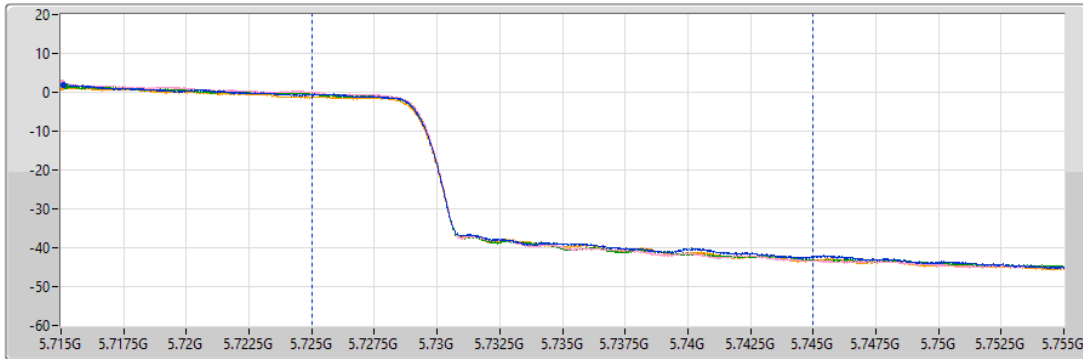
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
21.96	15.86	16.36	15.94	15.58

5.725-5.85GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz\_TX

CF  
5.735GHz  
Span  
40MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
5ms  
Detector Type  
RMS  
CP BW  
20MHz



Port 1  
Port 2  
Port 3  
Port 4

Sum=Total Power  
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.78	4.78	5.14	4.76	4.31

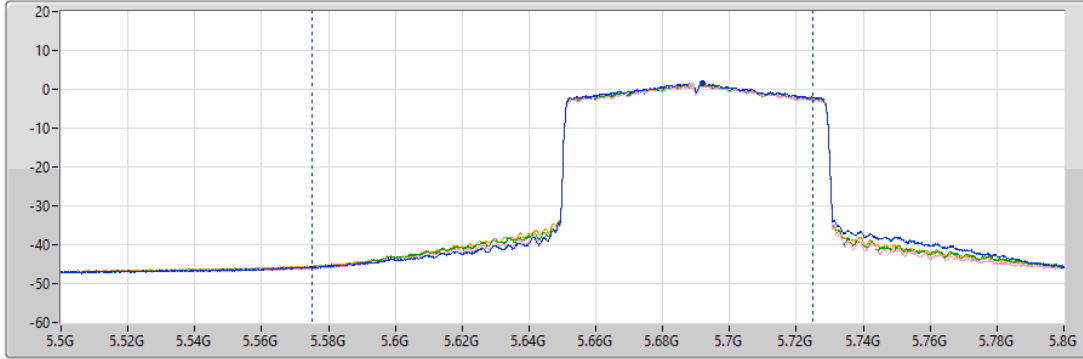


5.47-5.725GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz\_TX

CF  
5.65GHz  
Span  
300MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
5ms  
Detector Type  
RMS  
CP BW  
150MHz



Port 1  
Port 2  
Port 3  
Port 4

Sum=Total Power  
PX=Port X

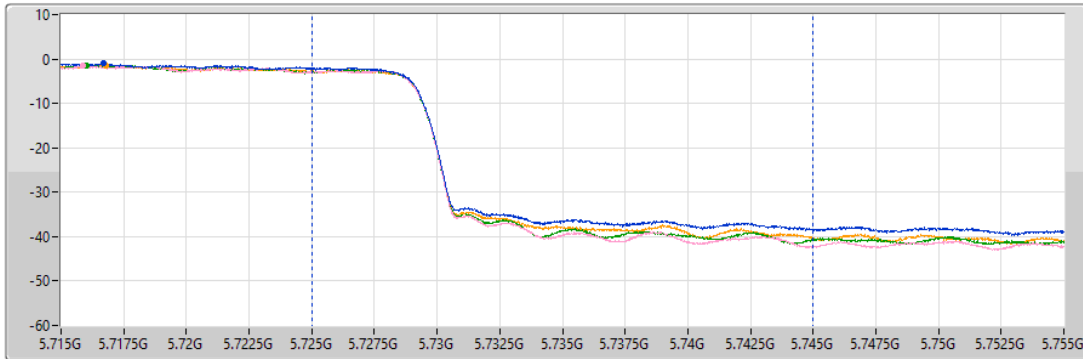
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.69	18.01	17.42	17.55	17.66

5.725-5.85GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz\_TX

CF  
5.735GHz  
Span  
40MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
5ms  
Detector Type  
RMS  
CP BW  
20MHz



Port 1  
Port 2  
Port 3  
Port 4

Sum=Total Power  
PX=Port X

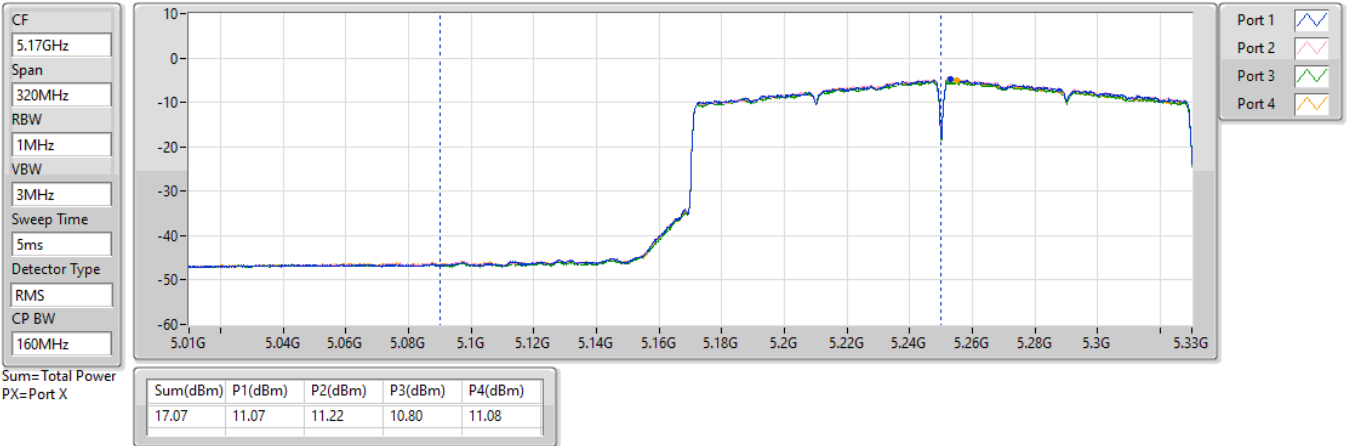
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.09	3.40	2.92	2.99	2.95



5.15-5.25GHz\_802.11ax HEW160\_Nss1,(MCS0)\_4TX

AV Power

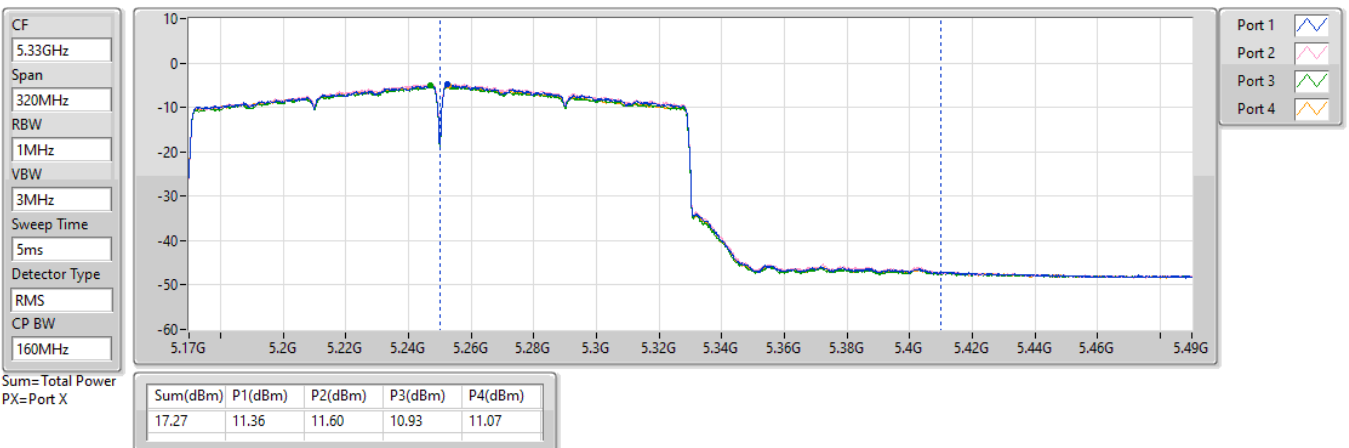
5250MHz Straddle 5.15-5.25GHz\_TX



5.25-5.35GHz\_802.11ax HEW160\_Nss1,(MCS0)\_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz\_TX





**Beamforming mode**

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	26.37	0.43351	35.93	3.91742
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	26.11	0.40832	35.67	3.68978
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.54	0.14256	31.10	1.28825
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	16.88	0.04875	26.44	0.44055
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.85	0.09661	29.80	0.95499
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	19.91	0.09795	29.86	0.96828
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	19.73	0.09397	29.68	0.92897
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	17.25	0.05309	27.20	0.52481
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	20.26	0.10617	29.89	0.97499
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	20.05	0.10116	29.68	0.92897
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	20.14	0.10328	29.77	0.94842
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	20.23	0.10544	29.86	0.96828
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	25.96	0.39446	35.81	3.81066
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	25.87	0.38637	35.72	3.73250
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	25.98	0.39628	35.83	3.82825



**Conducted Output Power(Average)**

**Appendix B.2**

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.561	20.18	20.25	20.31	20.63	26.37	26.44	35.93	36.00
5200MHz	Pass	9.561	20.03	20.35	20.19	20.52	26.30	26.44	35.86	36.00
5240MHz	Pass	9.561	20.14	20.12	19.71	19.93	26.00	26.44	35.56	36.00
5260MHz	Pass	9.949	13.71	13.93	13.67	13.81	19.80	20.05	29.75	30.00
5300MHz	Pass	9.949	13.85	13.31	14.12	13.63	19.76	20.05	29.71	30.00
5320MHz	Pass	9.949	13.82	13.45	14.38	13.61	19.85	20.05	29.80	30.00
5500MHz	Pass	9.625	13.82	13.62	13.87	14.33	19.94	20.37	29.57	30.00
5580MHz	Pass	9.625	13.98	13.95	14.61	14.38	20.26	20.37	29.89	30.00
5700MHz	Pass	9.625	13.95	14.37	14.23	13.81	20.12	20.37	29.75	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	9.625	12.65	12.97	13.19	12.39	18.83	19.34	28.45	28.97
5720MHz Straddle 5.725-5.85GHz	Pass	9.850	6.24	8.65	8.1	6.83	13.58	26.15	23.43	36.00
5745MHz	Pass	9.850	19.28	20.01	19.75	19.62	25.69	26.15	35.54	36.00
5785MHz	Pass	9.850	19.75	19.76	20.05	19.79	25.86	26.15	35.71	36.00
5825MHz	Pass	9.850	19.87	19.68	20.18	20.03	25.96	26.15	35.81	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.561	19.74	19.85	19.84	20.02	25.88	26.44	35.44	36.00
5230MHz	Pass	9.561	20.16	19.96	19.92	20.31	26.11	26.44	35.67	36.00
5270MHz	Pass	9.949	13.77	13.49	13.74	13.55	19.66	20.05	29.61	30.00
5310MHz	Pass	9.949	14.38	13.46	14.05	13.61	19.91	20.05	29.86	30.00
5510MHz	Pass	9.625	13.43	13.84	13.63	14.18	19.80	20.37	29.43	30.00
5590MHz	Pass	9.625	13.67	13.85	14.35	14.22	20.05	20.37	29.68	30.00
5670MHz	Pass	9.625	14.11	13.41	14.35	14.17	20.04	20.37	29.66	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	9.625	13.79	14.34	14.12	13.51	19.97	20.37	29.59	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	9.850	2.62	3.35	2.95	2.23	8.83	26.15	18.68	36.00
5755MHz	Pass	9.850	19.31	20.22	19.75	19.82	25.81	26.15	35.66	36.00
5795MHz	Pass	9.850	19.45	20.07	20.09	19.76	25.87	26.15	35.72	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.561	15.43	15.21	15.42	15.97	21.54	26.44	31.10	36.00
5290MHz	Pass	9.949	13.91	13.71	13.46	13.76	19.73	20.05	29.68	30.00
5530MHz	Pass	9.625	13.83	14.15	14.05	14.42	20.14	20.37	29.77	30.00
5610MHz	Pass	9.625	13.54	13.95	14.55	14.03	20.05	20.37	29.68	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	9.625	14.27	13.82	14.16	13.99	20.08	20.37	29.70	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	9.850	-0.24	-0.62	-0.35	-0.66	5.56	26.15	15.41	36.00
5775MHz	Pass	9.850	19.53	20.22	20.21	19.84	25.98	26.15	35.83	36.00





**Conducted Output Power(Average)**

**Appendix B.2**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	9.561	10.85	11.15	10.77	10.66	16.88	26.44	26.44	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	9.949	11.35	11.49	10.98	11.06	17.25	20.05	27.20	30.00
5570MHz	Pass	9.625	13.32	14.25	14.64	14.52	20.23	20.37	29.86	30.00

DG = Directional Gain; Port X = Port X output power

Remarks:

For 5180~5240MHz:

Directional gain =  $10 \times \log((10^{3.664/20} + 10^{2.81/20} + 10^{3.587/20} + 10^{4.053/20})^2/4) = 9.561 \text{ dBi} > 6\text{dBi}$ , so the limit shall be reduced to 30 dBm – (9.561dBi – 6dBi) = 26.44 dBm

For 5260~5320MHz:

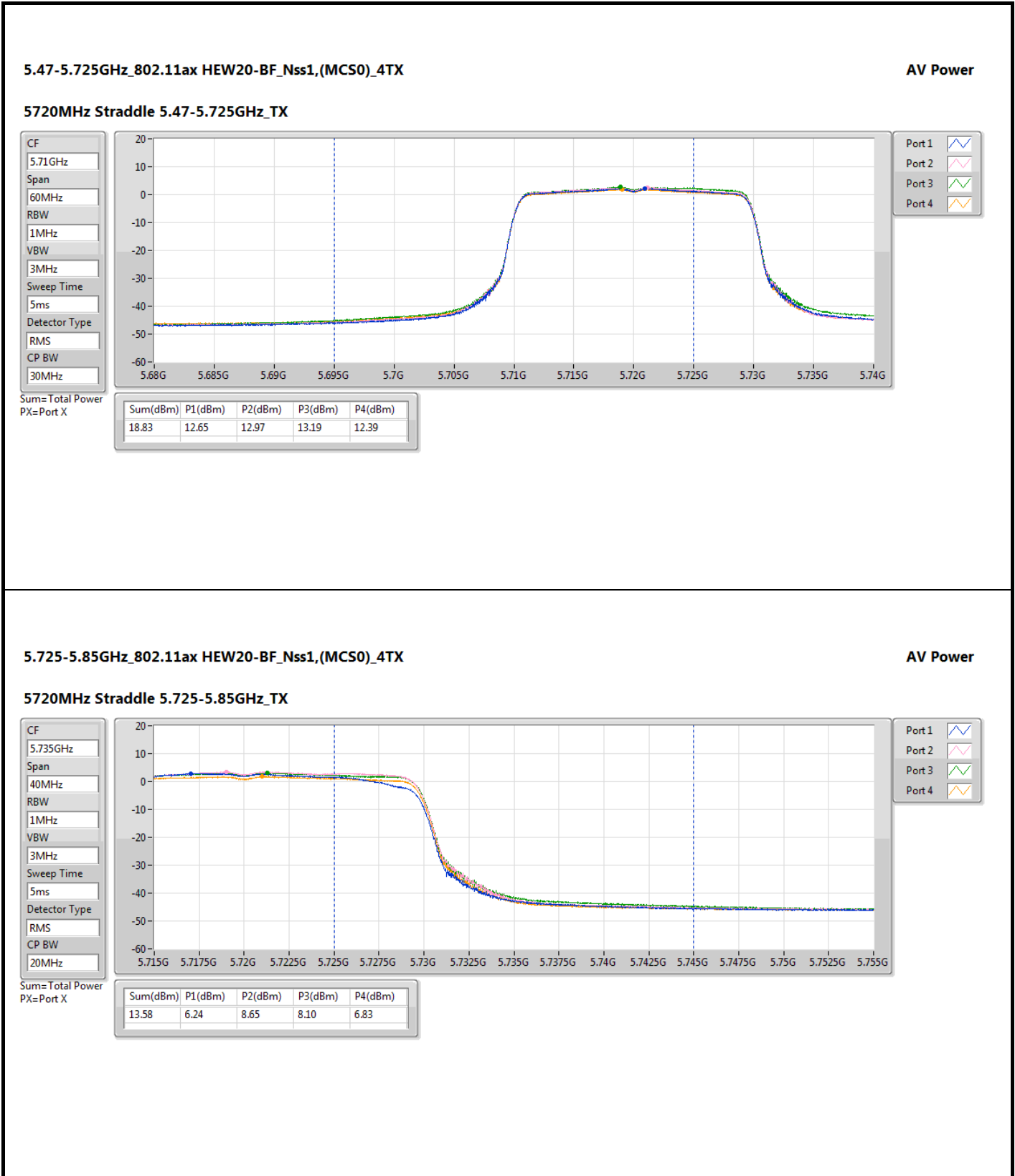
Directional gain =  $10 \times \log((10^{3.749/20} + 10^{3.951/20} + 10^{3.956/20} + 10^{4.053/20})^2/4) = 9.949 \text{ dBi} > 6\text{dBi}$ , so the limit shall be reduced to 24 dBm – (9.949dBi – 6dBi) = 20.05 dBm

For 5500~5700MHz:

Directional gain =  $10 \times \log((10^{2.763/20} + 10^{3.35/20} + 10^{4.111/20} + 10^{4.12/20})^2/4) = 9.625 \text{ dBi} > 6\text{dBi}$ , so the limit shall be reduced to 24 dBm – (9.625dBi – 6dBi) = 20.37 dBm

For 5745~5825MHz:

Directional gain =  $10 \times \log((10^{2.649/20} + 10^{3.759/20} + 10^{3.986/20} + 10^{4.789/20})^2/4) = 9.850 \text{ dBi} > 6\text{dBi}$ , so the limit shall be reduced to 30 dBm – (9.850dBi – 6dBi) = 26.15 dBm



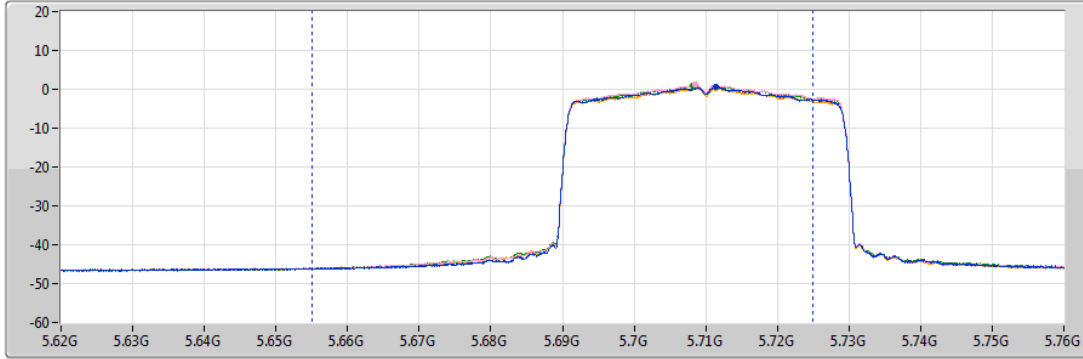


5.47-5.725GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz\_TX

CF  
5.69GHz  
Span  
140MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
5ms  
Detector Type  
RMS  
CP BW  
70MHz



Port 1  
Port 2  
Port 3  
Port 4

Sum=Total Power  
PX=Port X

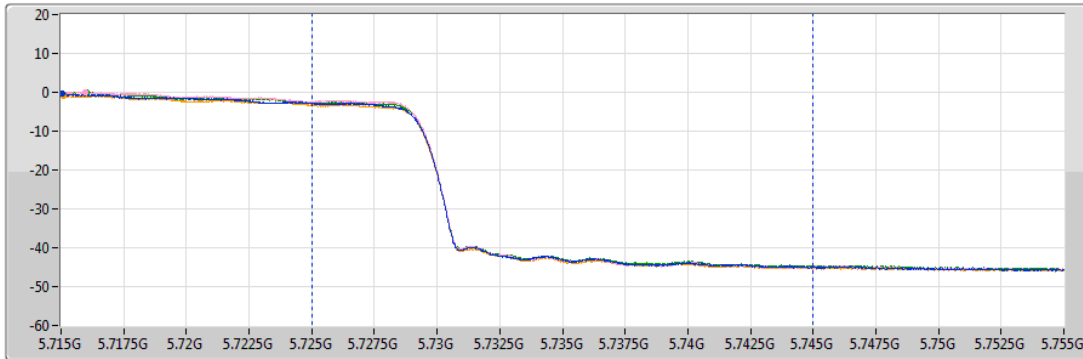
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
19.97	13.79	14.34	14.12	13.51

5.725-5.85GHz\_802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz\_TX

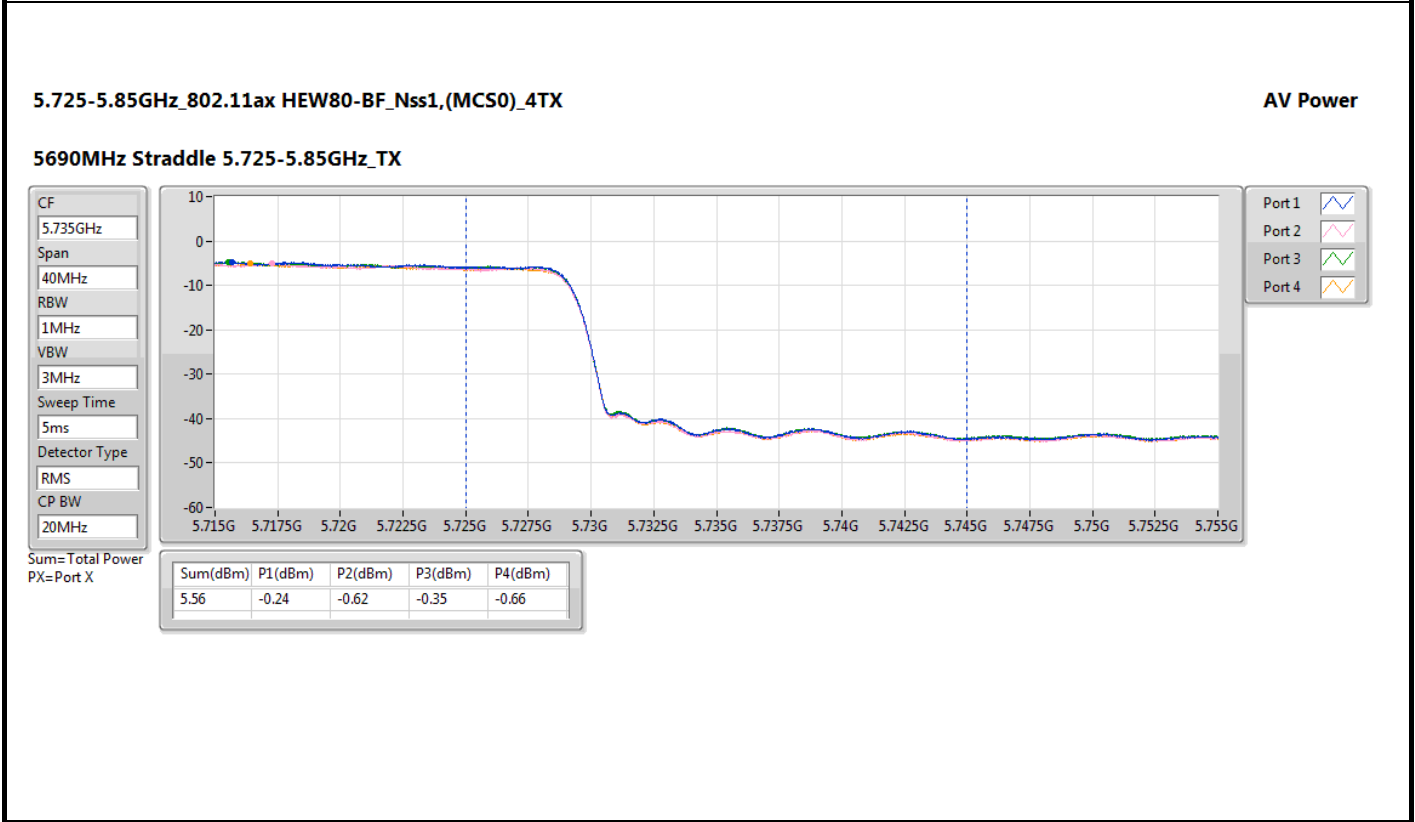
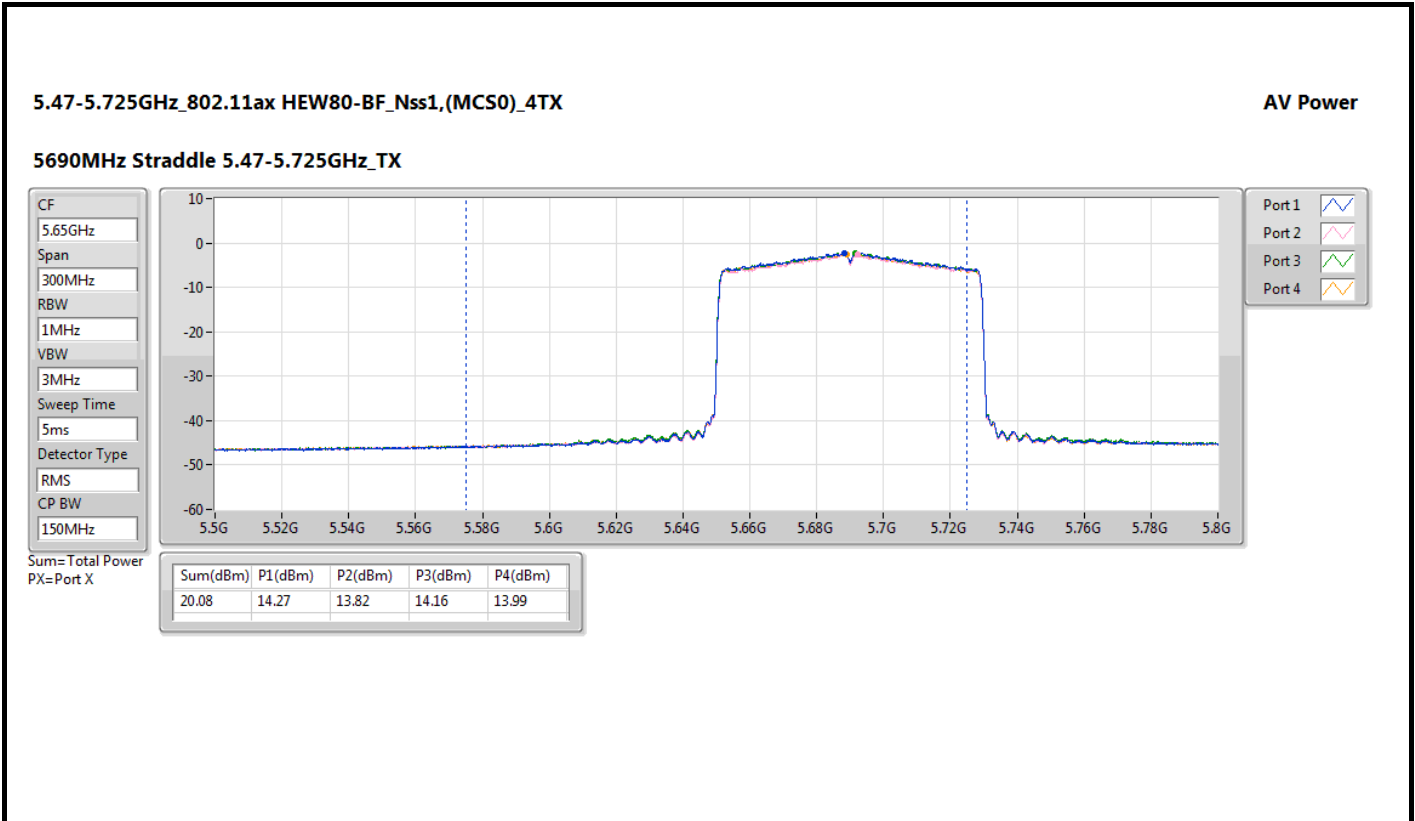
CF  
5.735GHz  
Span  
40MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
5ms  
Detector Type  
RMS  
CP BW  
20MHz

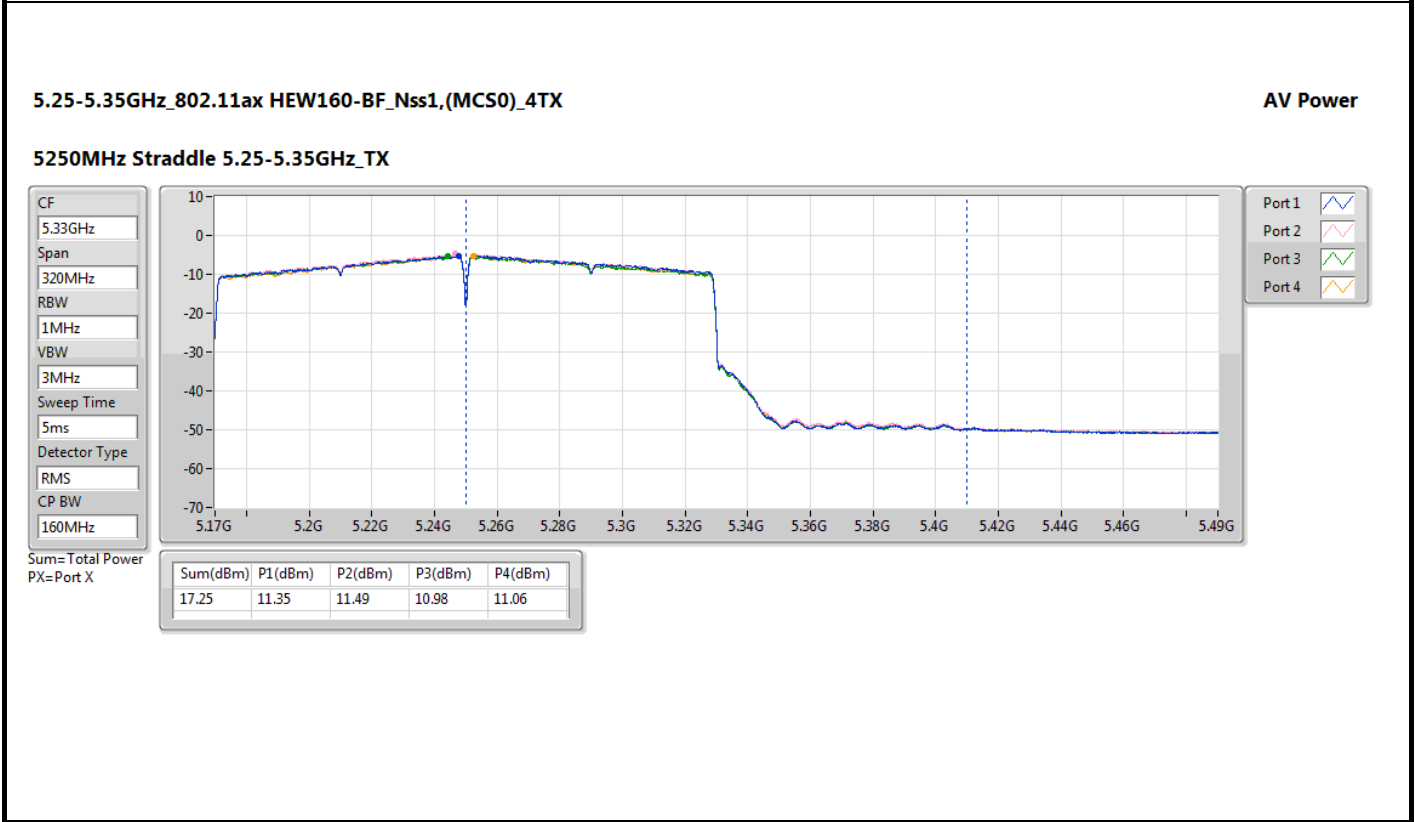
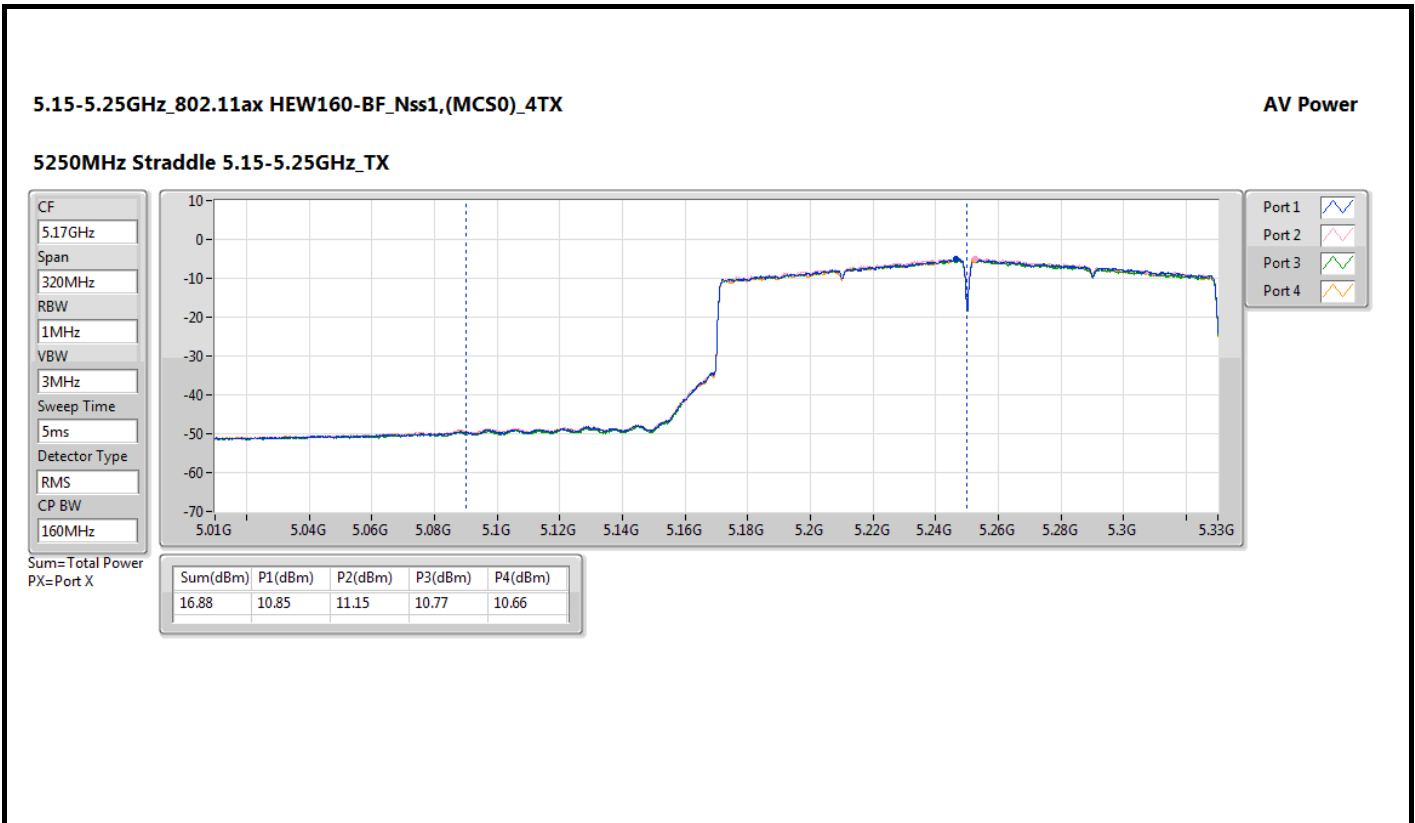


Port 1  
Port 2  
Port 3  
Port 4

Sum=Total Power  
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8.83	2.62	3.35	2.95	2.23







Non-beamforming mode

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	12.85	22.41
802.11ax HEW20_Nss1,(MCS0)_4TX	13.17	22.73
802.11ax HEW40_Nss1,(MCS0)_4TX	12.18	21.74
802.11ax HEW80_Nss1,(MCS0)_4TX	3.80	13.36
802.11ax HEW160_Nss1,(MCS0)_4TX	-1.26	8.30
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	6.86	16.81
802.11ax HEW20_Nss1,(MCS0)_4TX	6.69	16.64
802.11ax HEW40_Nss1,(MCS0)_4TX	6.47	16.42
802.11ax HEW80_Nss1,(MCS0)_4TX	3.39	13.34
802.11ax HEW160_Nss1,(MCS0)_4TX	-0.98	8.97
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	7.24	16.87
802.11ax HEW20_Nss1,(MCS0)_4TX	6.93	16.55
802.11ax HEW40_Nss1,(MCS0)_4TX	7.18	16.80
802.11ax HEW80_Nss1,(MCS0)_4TX	5.55	15.18
802.11ax HEW160_Nss1,(MCS0)_4TX	0.96	10.59
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	14.89	24.74
802.11ax HEW20_Nss1,(MCS0)_4TX	13.89	23.74
802.11ax HEW40_Nss1,(MCS0)_4TX	12.52	22.37
802.11ax HEW80_Nss1,(MCS0)_4TX	7.06	16.91

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.561	6.93	6.86	6.82	7.09	12.74	13.44	22.30	23.00
5200MHz	Pass	9.561	7.04	7.12	7.09	7.26	12.85	13.44	22.41	23.00
5240MHz	Pass	9.561	7.13	6.92	6.51	6.65	12.72	13.44	22.28	23.00
5260MHz	Pass	9.949	1.20	1.13	1.05	0.99	6.86	7.05	16.81	17.00
5300MHz	Pass	9.949	1.00	1.09	1.08	0.40	6.63	7.05	16.58	17.00
5320MHz	Pass	9.949	1.00	0.85	1.11	0.15	6.58	7.05	16.53	17.00
5500MHz	Pass	9.625	1.14	1.07	0.69	1.35	6.92	7.37	16.55	17.00
5580MHz	Pass	9.625	1.03	1.53	1.52	1.59	7.24	7.37	16.87	17.00
5700MHz	Pass	9.625	1.38	1.55	1.48	0.40	7.07	7.37	16.70	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	9.625	1.04	1.34	0.89	0.80	6.97	7.37	16.59	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	9.850	-0.34	0.99	0.65	-0.28	6.22	26.15	16.07	36.00
5745MHz	Pass	9.850	8.70	9.73	9.18	8.44	14.89	26.15	24.74	36.00
5785MHz	Pass	9.850	8.59	9.43	9.01	8.33	14.68	26.15	24.53	36.00
5825MHz	Pass	9.850	8.98	9.17	8.75	8.35	14.63	26.15	24.48	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.561	7.34	7.19	7.31	7.82	13.17	13.44	22.73	23.00
5200MHz	Pass	9.561	7.47	7.33	7.37	7.44	13.08	13.44	22.64	23.00
5240MHz	Pass	9.561	7.50	7.44	7.08	6.97	12.99	13.44	22.55	23.00
5260MHz	Pass	9.949	1.22	1.13	0.83	0.71	6.69	7.05	16.64	17.00
5300MHz	Pass	9.949	1.02	0.95	1.20	0.77	6.64	7.05	16.59	17.00
5320MHz	Pass	9.949	1.06	1.11	1.03	0.17	6.58	7.05	16.53	17.00
5500MHz	Pass	9.625	1.27	1.13	0.71	1.30	6.86	7.37	16.48	17.00
5580MHz	Pass	9.625	0.83	1.22	1.51	1.47	6.93	7.37	16.55	17.00
5700MHz	Pass	9.625	0.94	1.45	1.43	0.27	6.70	7.37	16.32	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	9.625	0.69	1.52	0.86	0.49	6.60	7.37	16.23	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	9.850	-0.27	0.60	0.17	-0.55	5.80	26.15	15.65	36.00
5745MHz	Pass	9.850	7.75	8.69	8.32	7.57	13.89	26.15	23.74	36.00
5785MHz	Pass	9.850	7.67	8.58	8.22	7.45	13.72	26.15	23.57	36.00
5825MHz	Pass	9.850	7.81	8.00	7.85	7.37	13.54	26.15	23.39	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.561	5.45	5.91	5.52	5.69	11.48	13.44	21.04	23.00
5230MHz	Pass	9.561	6.60	6.60	6.07	6.15	12.18	13.44	21.74	23.00
5270MHz	Pass	9.949	0.88	0.74	0.52	0.50	6.47	7.05	16.42	17.00
5310MHz	Pass	9.949	0.64	0.89	0.73	0.18	6.41	7.05	16.36	17.00
5510MHz	Pass	9.625	1.48	1.23	1.07	1.95	7.18	7.37	16.80	17.00



Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5590MHz	Pass	9.625	0.90	0.98	1.56	1.32	6.98	7.37	16.61	17.00
5670MHz	Pass	9.625	1.63	1.25	1.45	1.38	7.12	7.37	16.75	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	9.625	1.28	1.58	1.35	0.92	7.02	7.37	16.64	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	9.850	-2.97	-2.13	-2.51	-3.33	3.12	26.15	12.97	36.00
5755MHz	Pass	9.850	6.66	7.37	6.79	5.96	12.50	26.15	22.35	36.00
5795MHz	Pass	9.850	6.68	7.52	6.70	5.98	12.52	26.15	22.37	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.561	-2.15	-1.89	-2.11	-1.92	3.80	13.44	13.36	23.00
5290MHz	Pass	9.949	-1.97	-2.31	-2.76	-2.89	3.39	7.05	13.34	17.00
5530MHz	Pass	9.625	-2.30	-2.00	-2.56	-1.70	3.68	7.37	13.30	17.00
5610MHz	Pass	9.625	-1.18	-0.93	-0.33	-0.50	5.16	7.37	14.79	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	9.625	0.10	-0.37	-0.27	-0.14	5.55	7.37	15.18	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	9.850	-4.76	-5.17	-4.75	-4.90	0.95	26.15	10.80	36.00
5775MHz	Pass	9.850	0.74	1.73	1.33	0.93	7.06	26.15	16.91	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	9.561	-7.21	-6.81	-7.33	-7.14	-1.26	13.44	8.30	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	9.949	-6.84	-6.49	-7.30	-7.10	-0.98	7.05	8.97	17.00
5570MHz	Pass	9.625	-5.72	-5.03	-4.78	-4.47	0.96	7.37	10.59	17.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

Remarks:

For 5180~5240MHz:

Directional gain =  $10 \times \log((10^{3.664/20} + 10^{2.81/20} + 10^{3.587/20} + 10^{4.053/20})^2/4) = 9.561 \text{ dBi} > 6\text{dBi}$ , so the limit shall be reduced to 17 dBm – (9.561dBi – 6dBi) = 13.44 dBm

For 5260~5320MHz:

Directional gain =  $10 \times \log((10^{3.749/20} + 10^{3.951/20} + 10^{3.956/20} + 10^{4.053/20})^2/4) = 9.949 \text{ dBi} > 6\text{dBi}$ , so the limit shall be reduced to 11 dBm – (9.949dBi – 6dBi) = 7.05 dBm

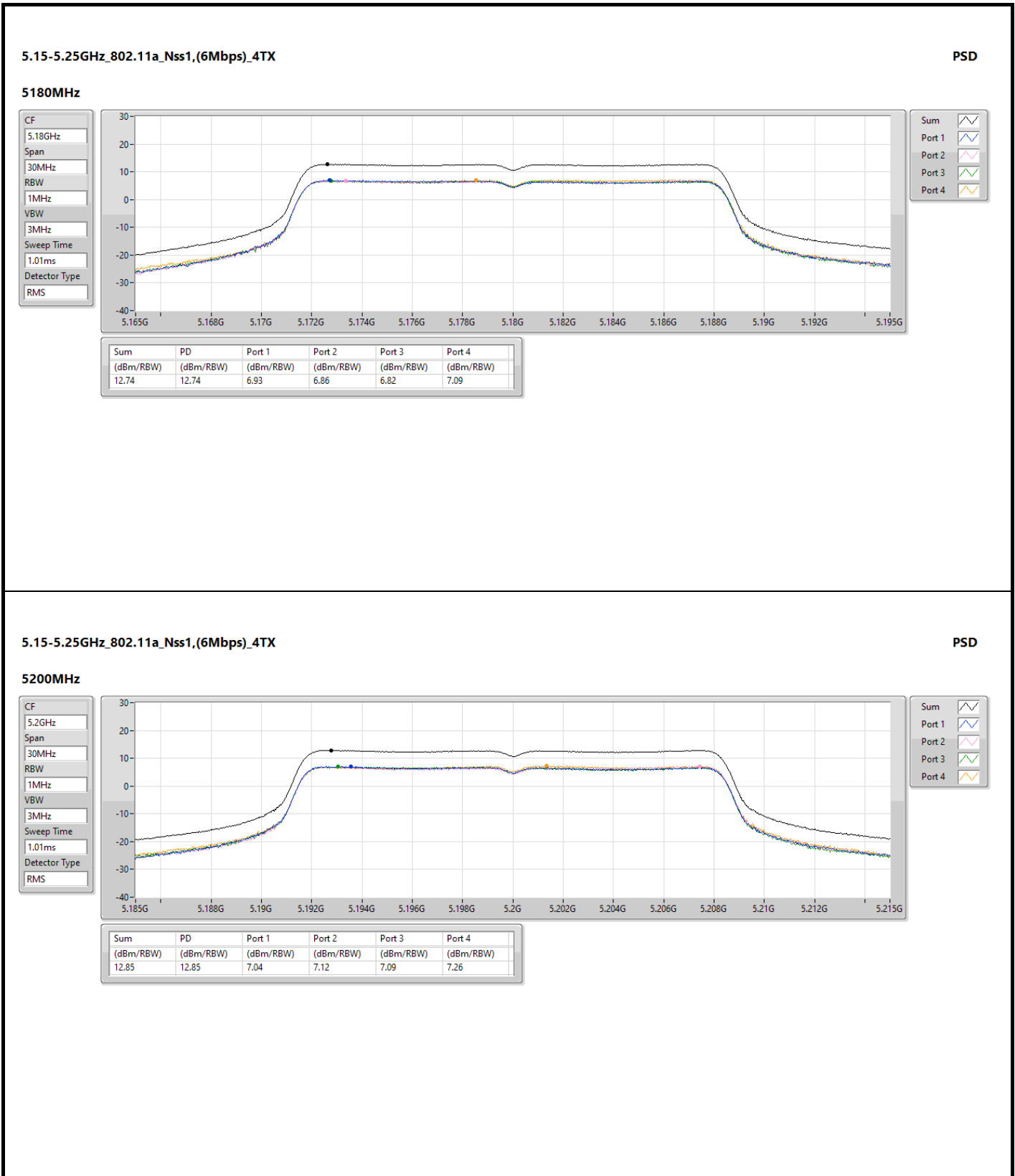
For 5500~5700MHz:

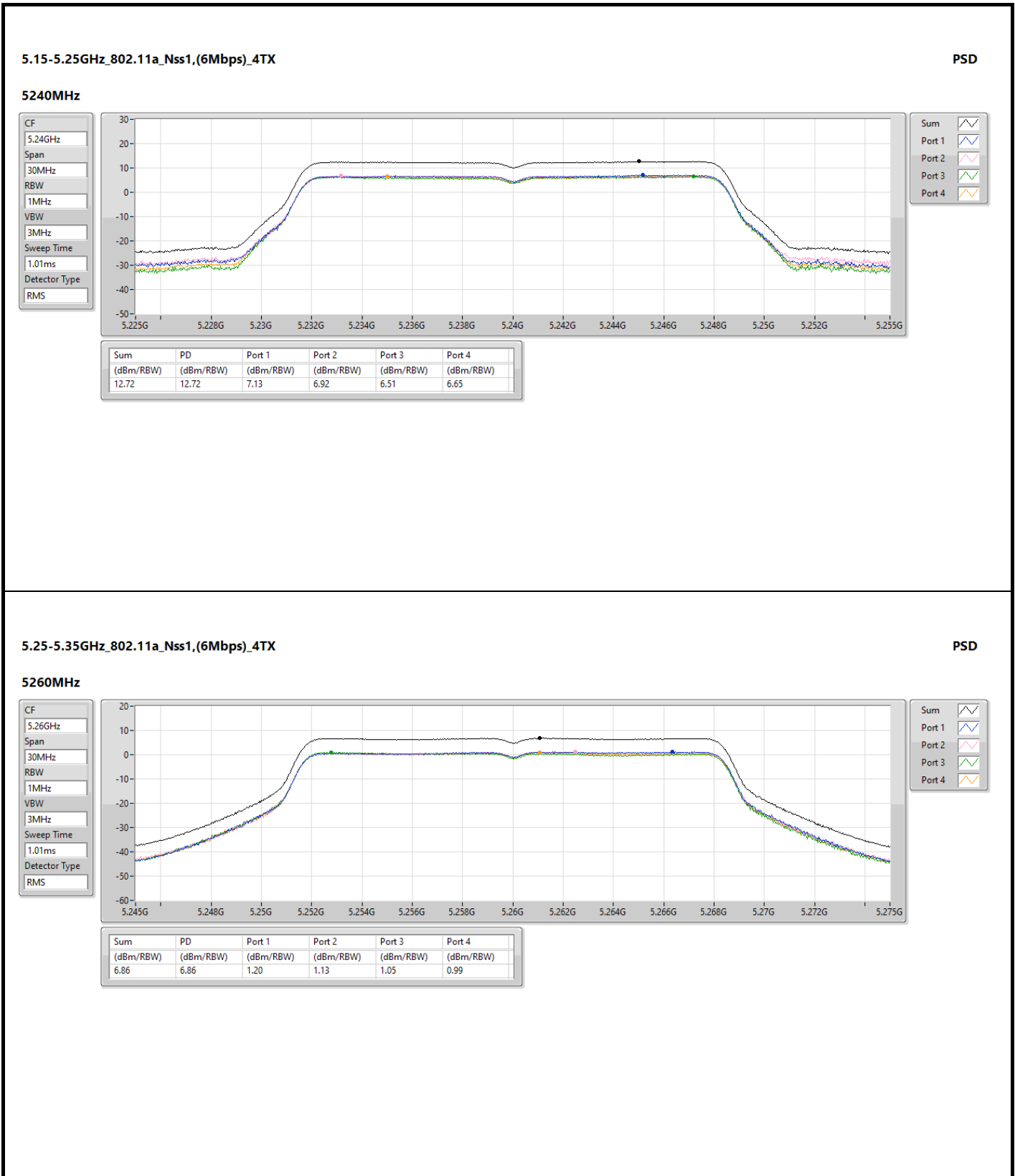
Directional gain =  $10 \times \log((10^{2.763/20} + 10^{3.35/20} + 10^{4.111/20} + 10^{4.12/20})^2/4) = 9.625 \text{ dBi} > 6\text{dBi}$ , so the limit shall be reduced to 11 dBm – (9.625dBi – 6dBi) = 7.37 dBm

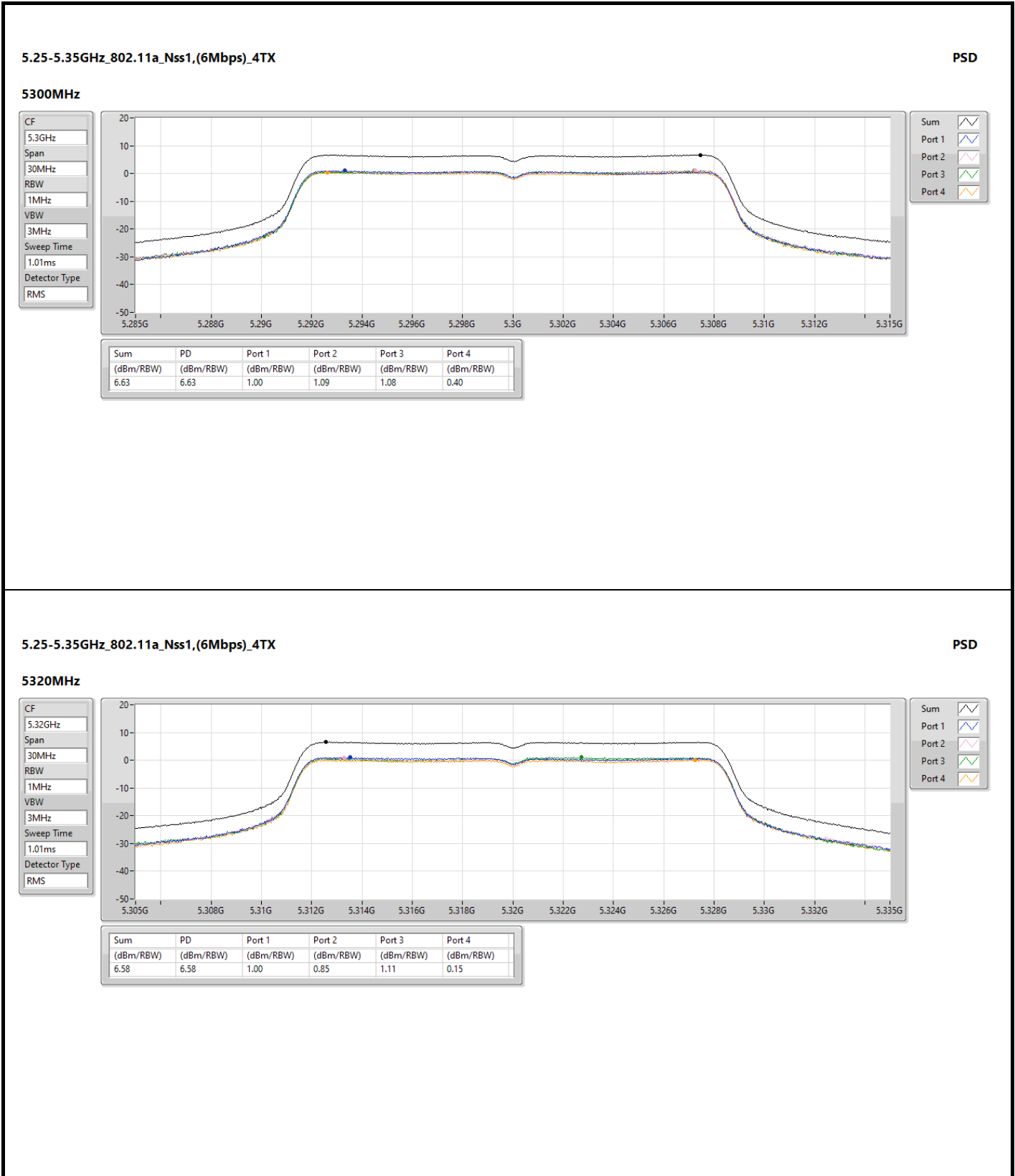
For 5745~5825MHz:

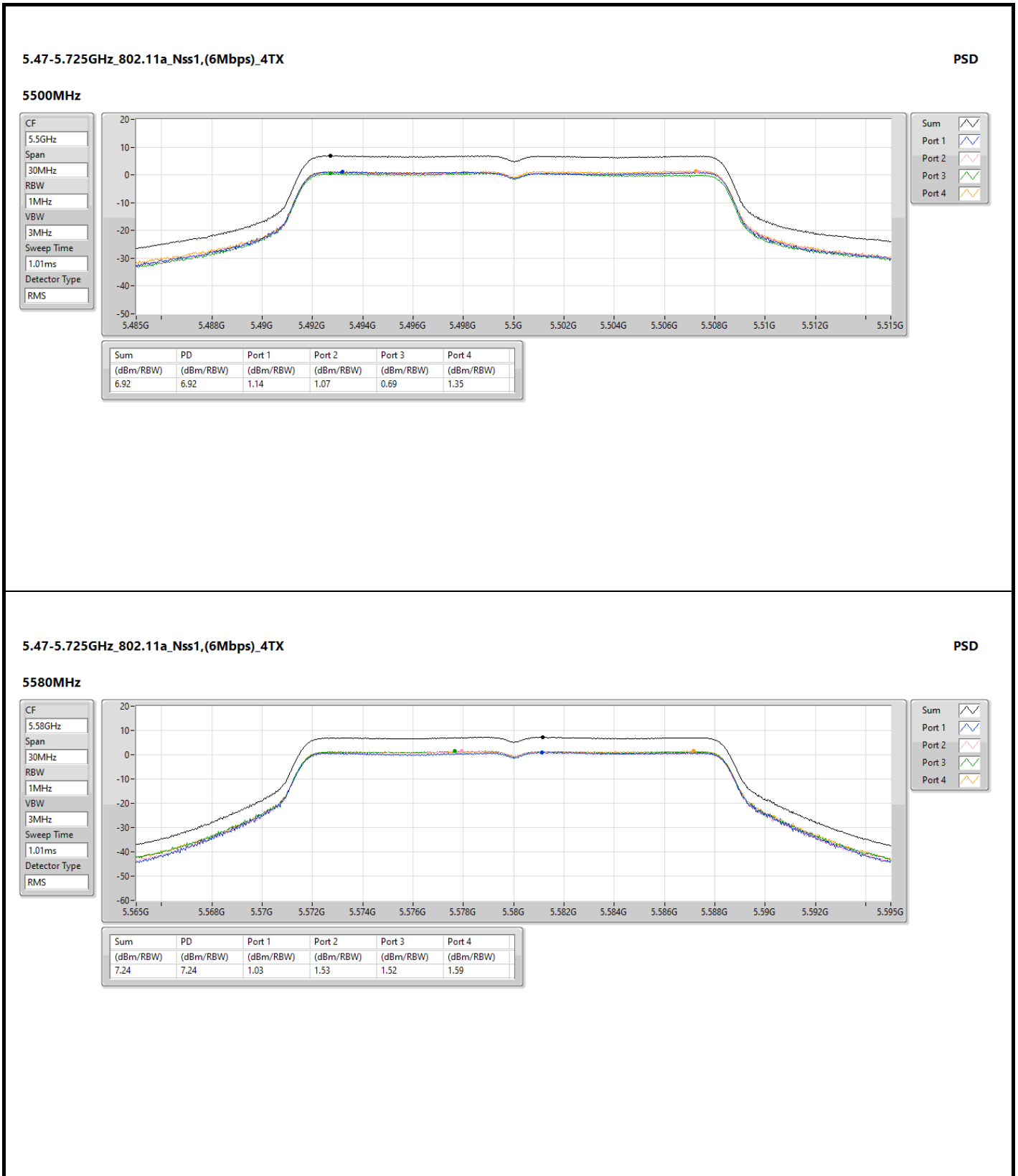
Directional gain =  $10 \times \log((10^{2.649/20} + 10^{3.759/20} + 10^{3.986/20} + 10^{4.789/20})^2/4) = 9.850 \text{ dBi} > 6\text{dBi}$ , so the limit shall be reduced to 30 dBm – (9.850dBi – 6dBi) = 26.15 dBm

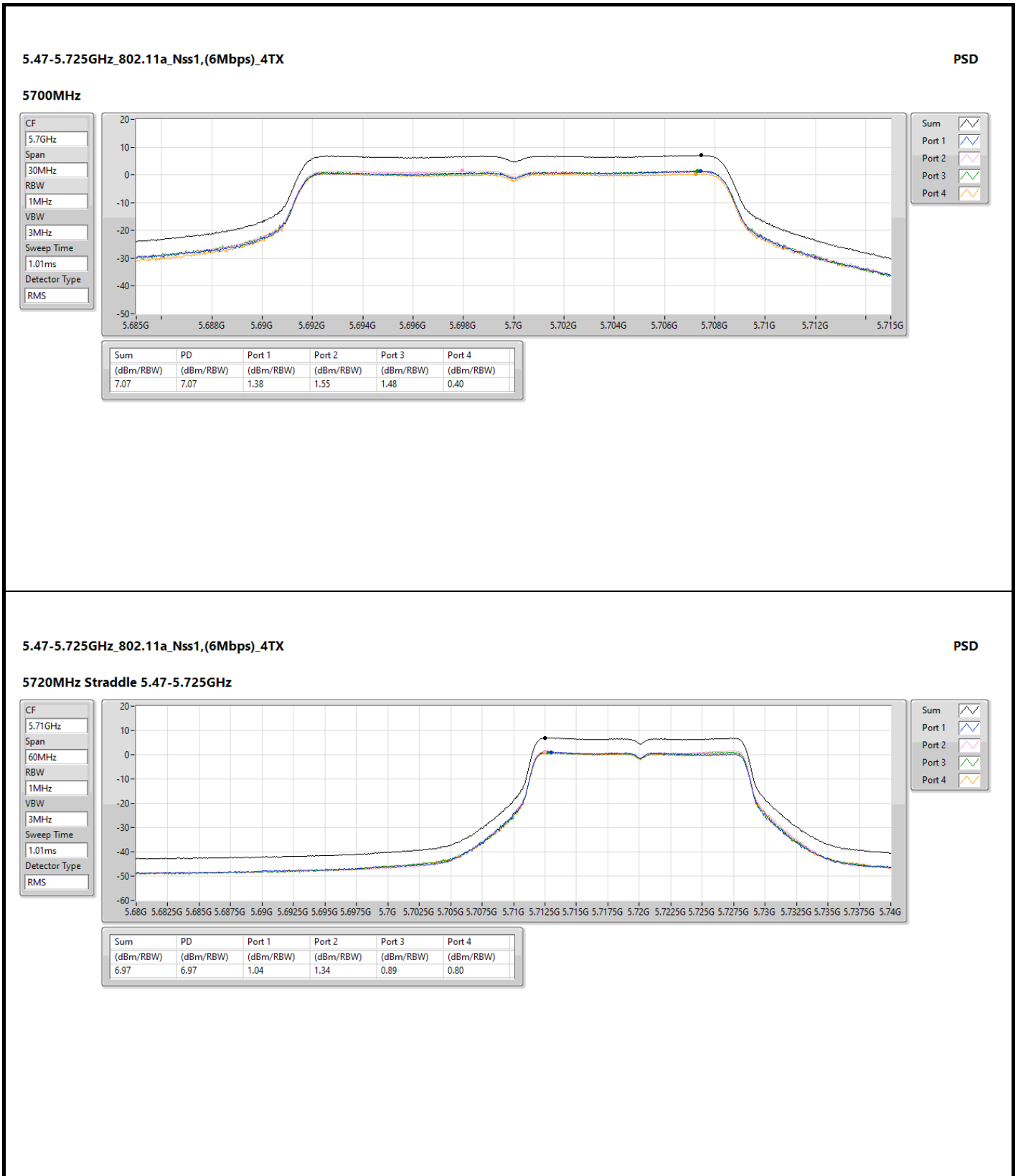


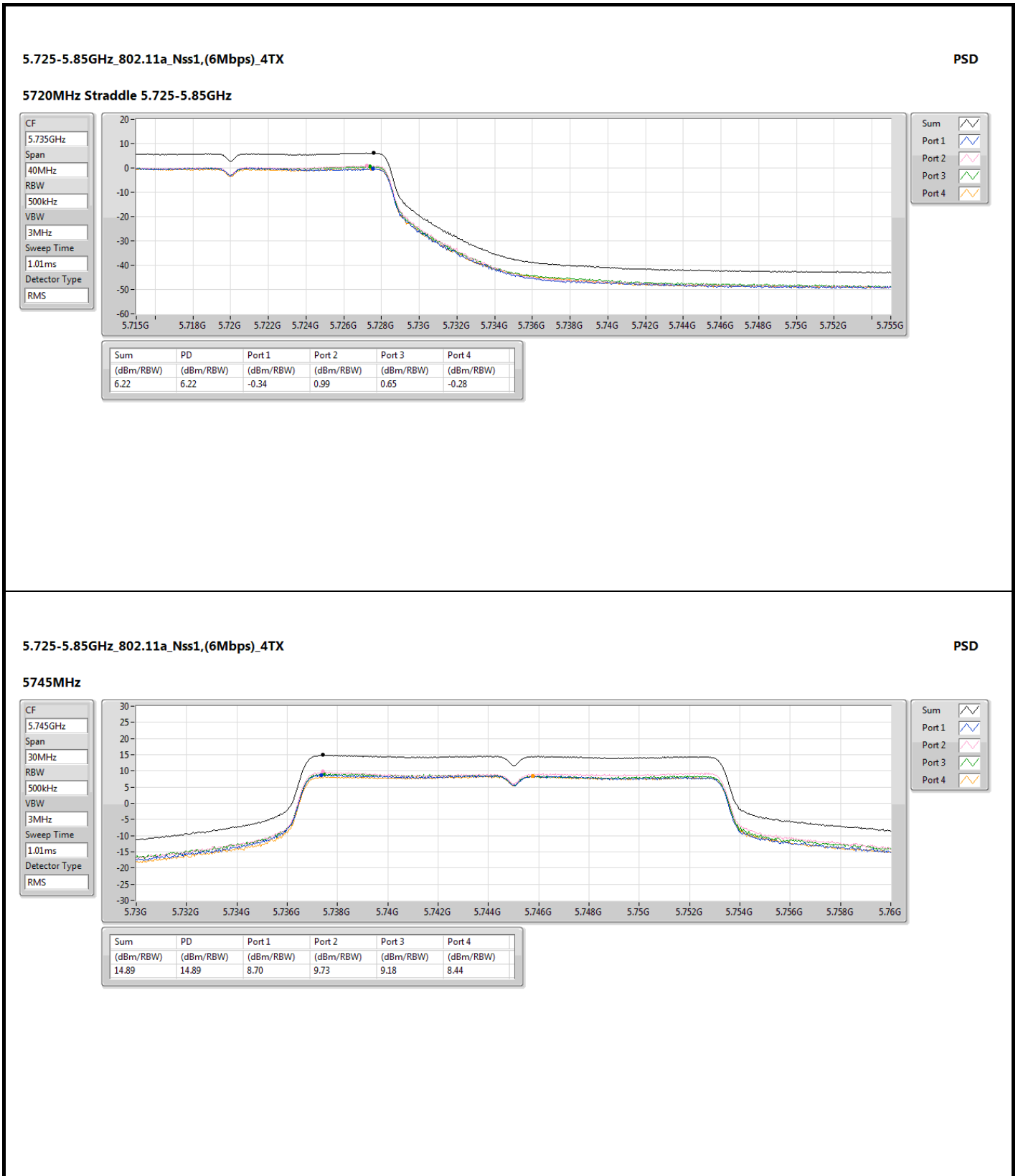


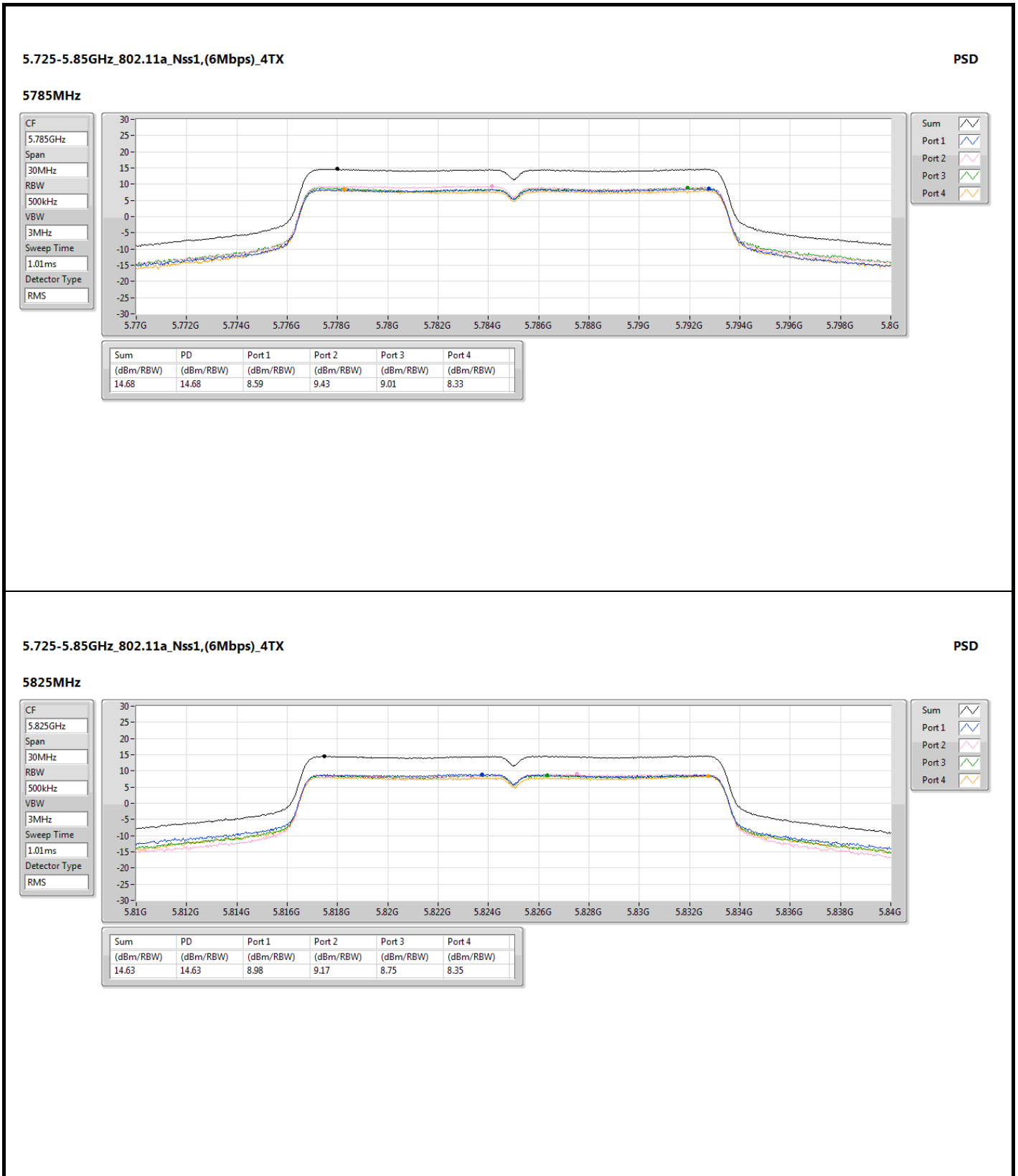


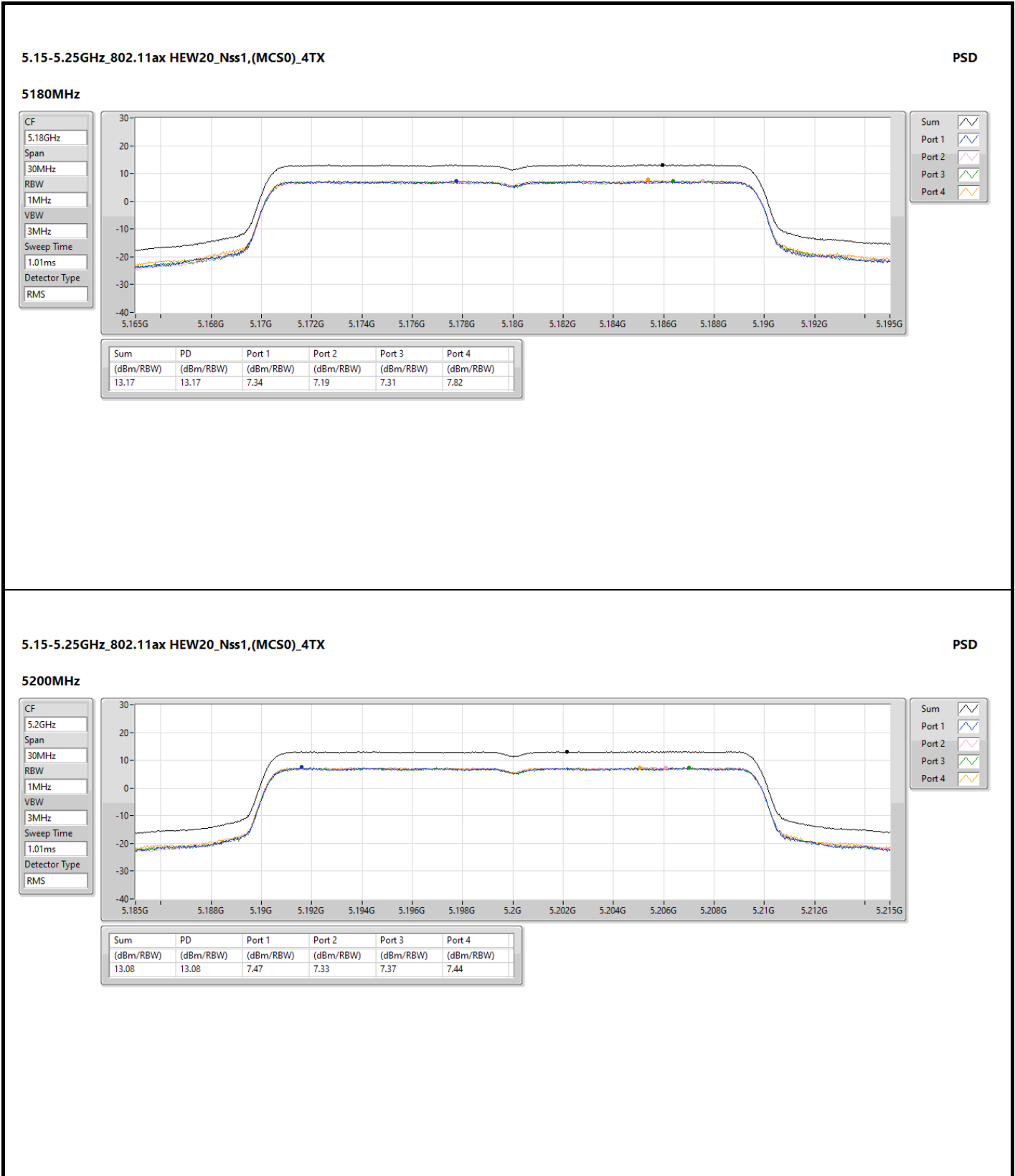




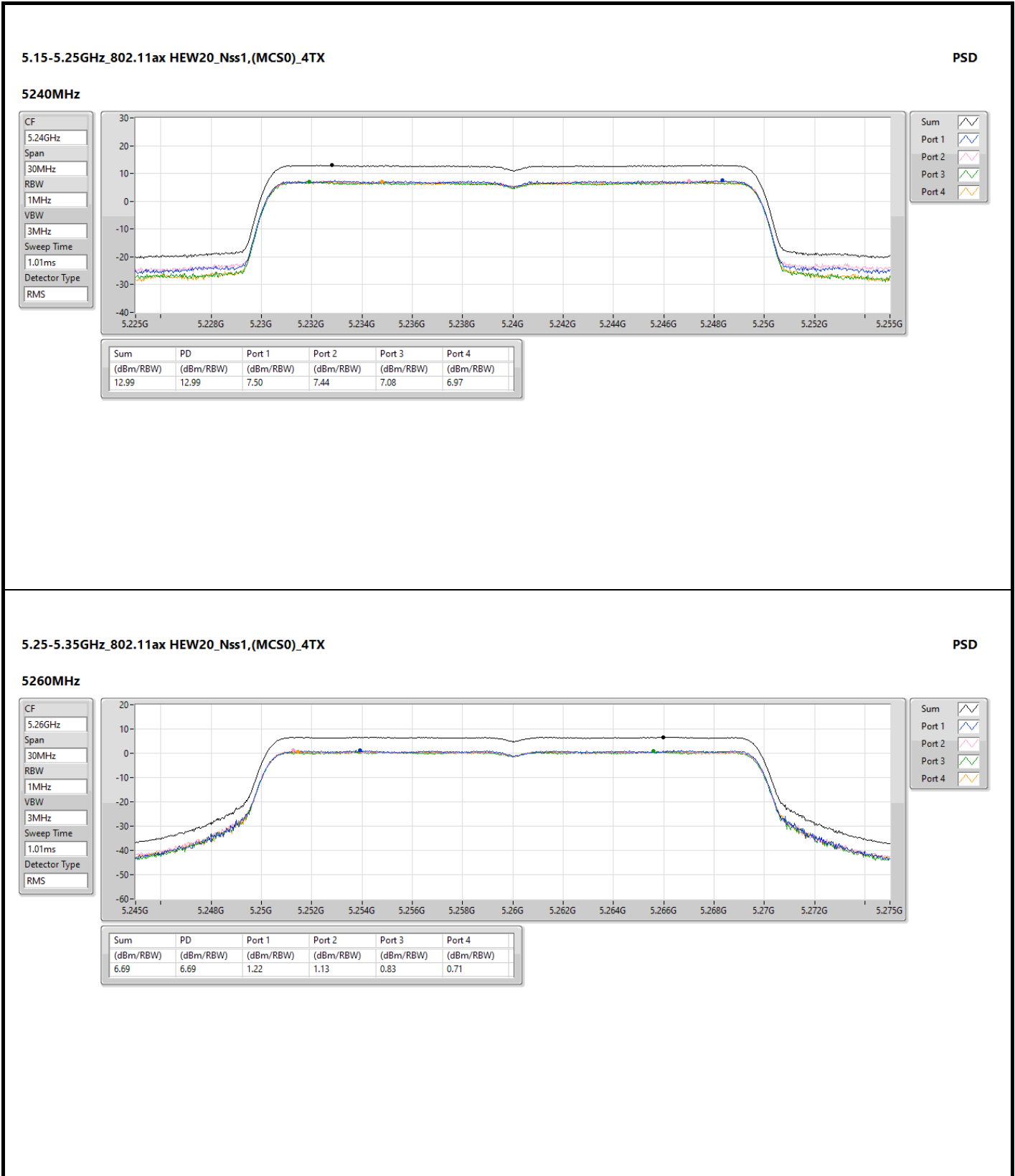


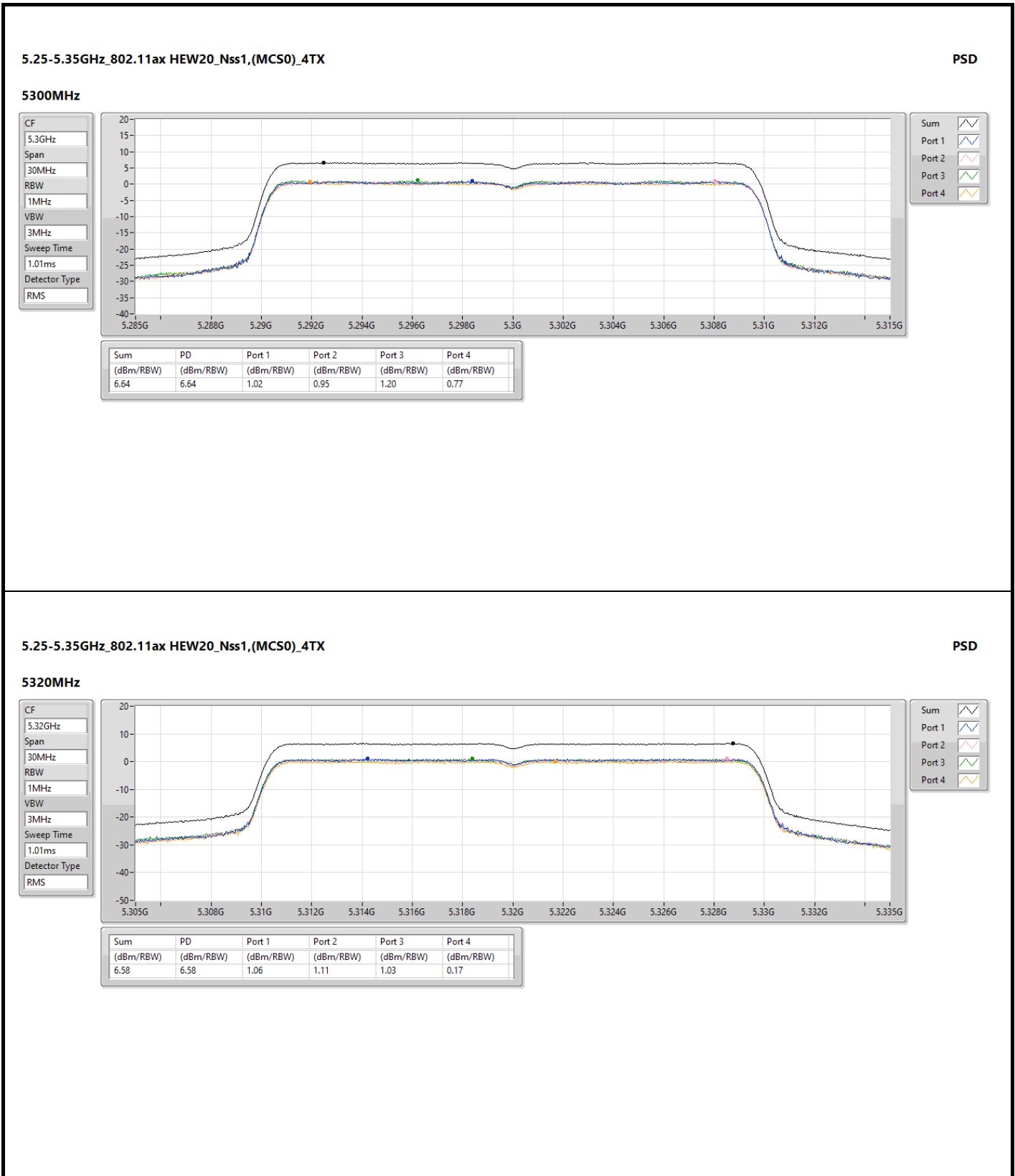


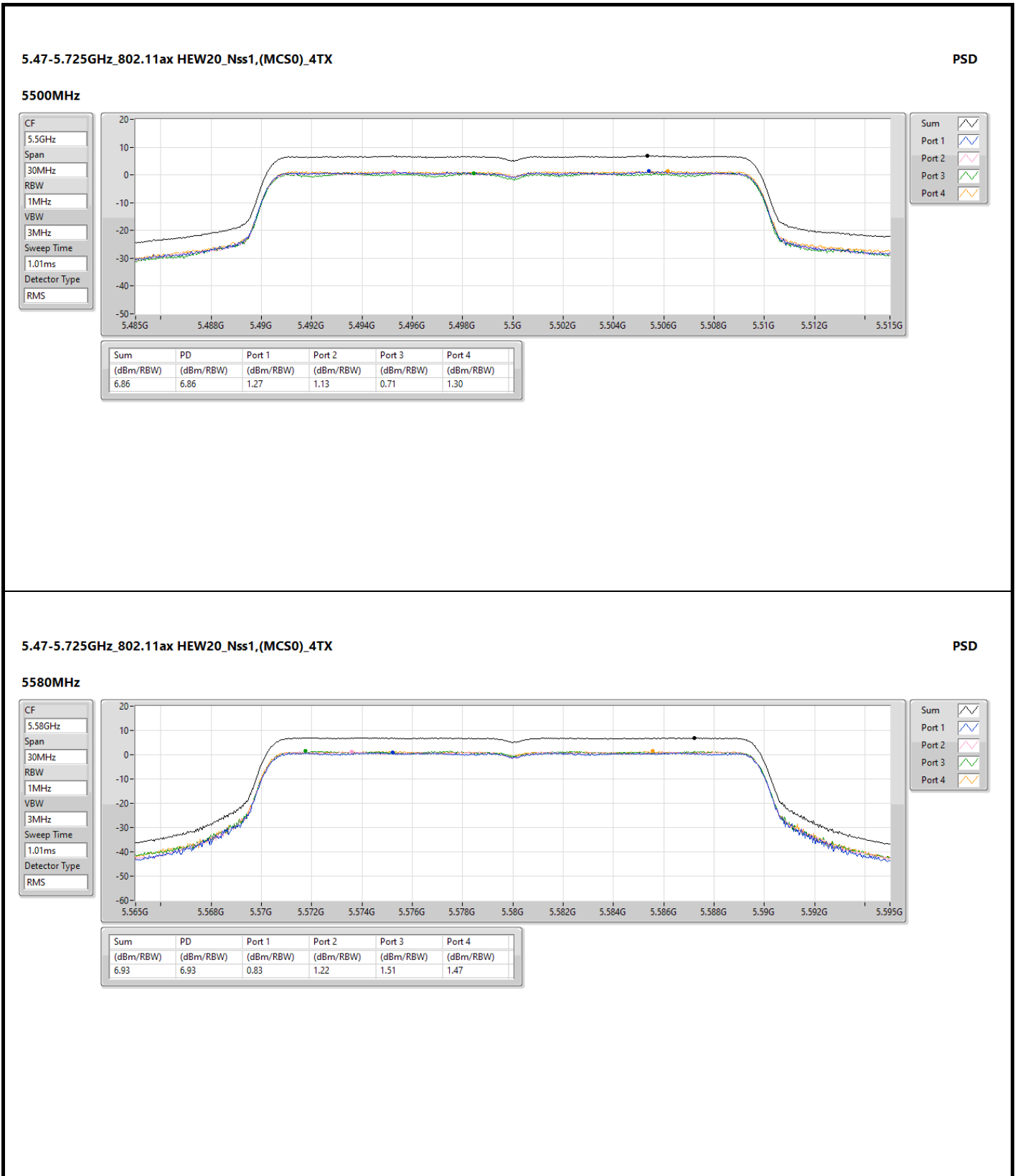


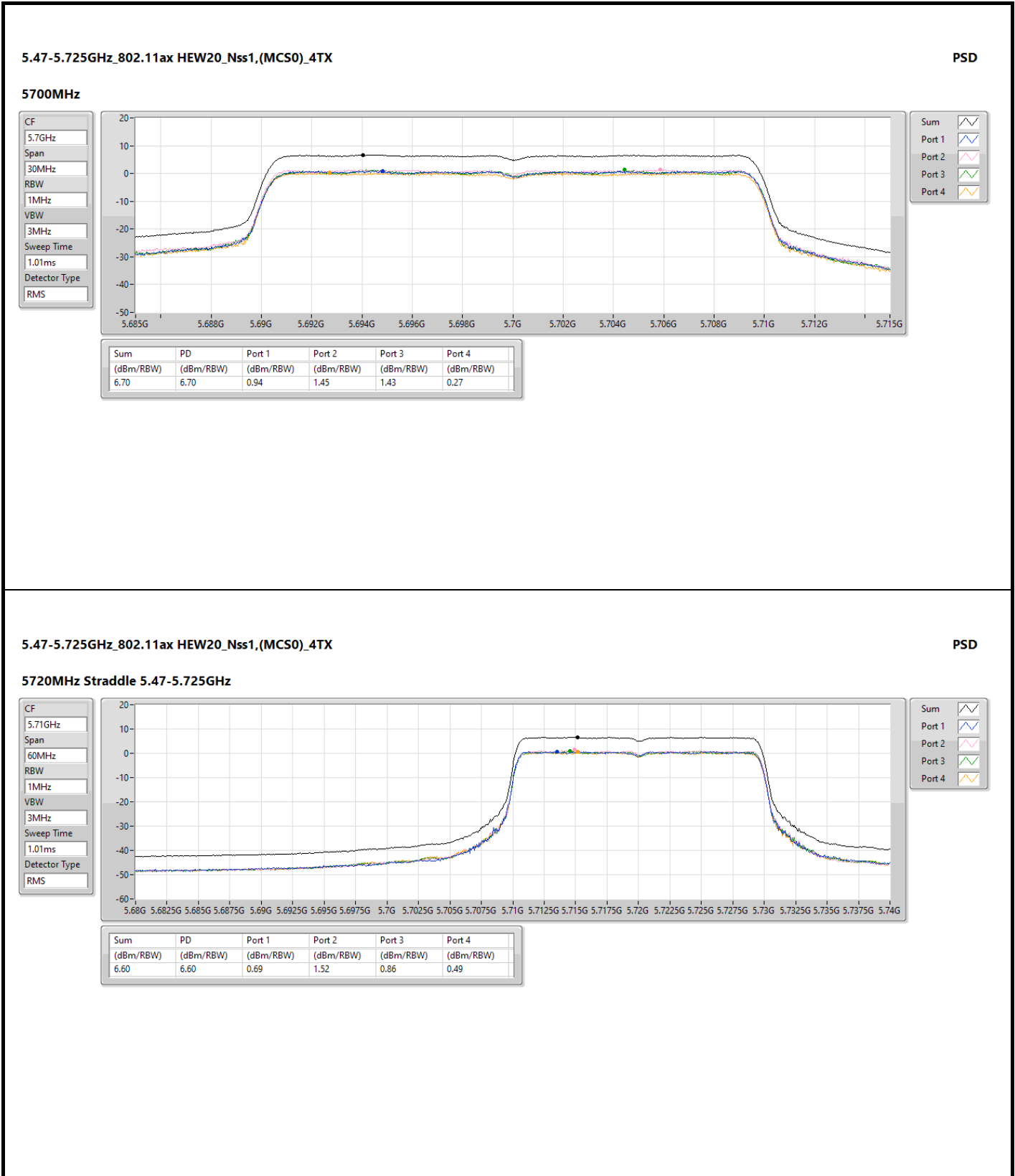


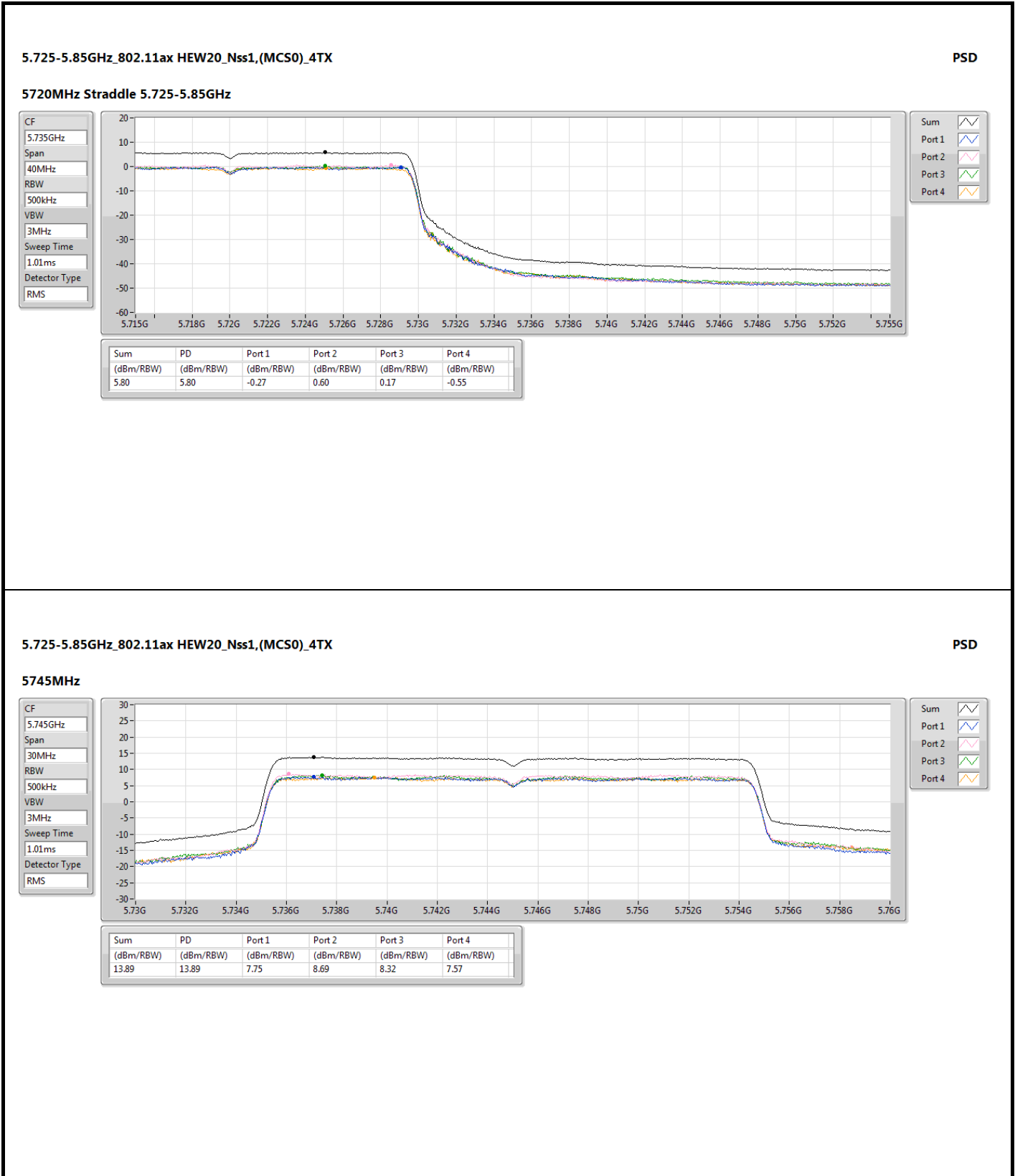


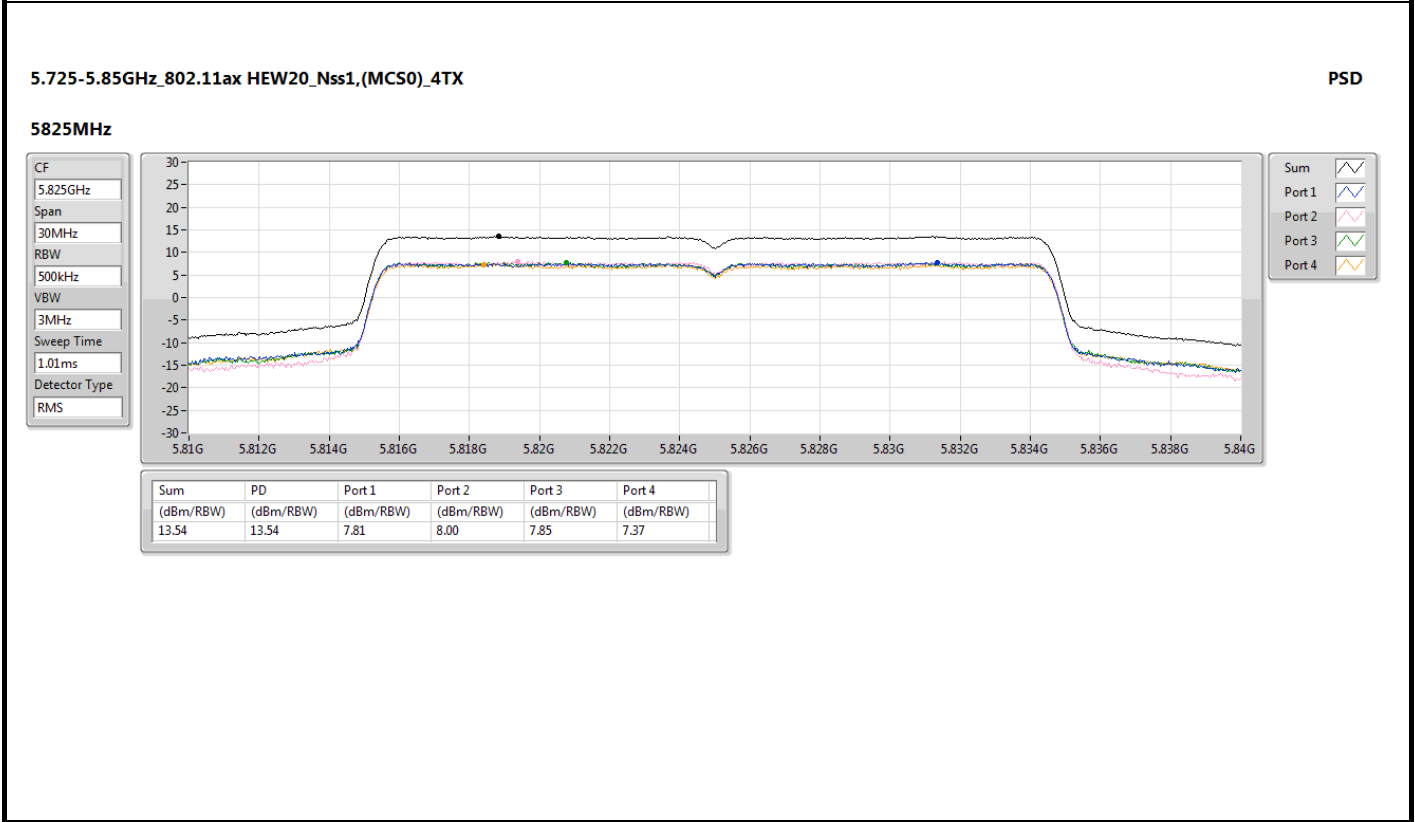
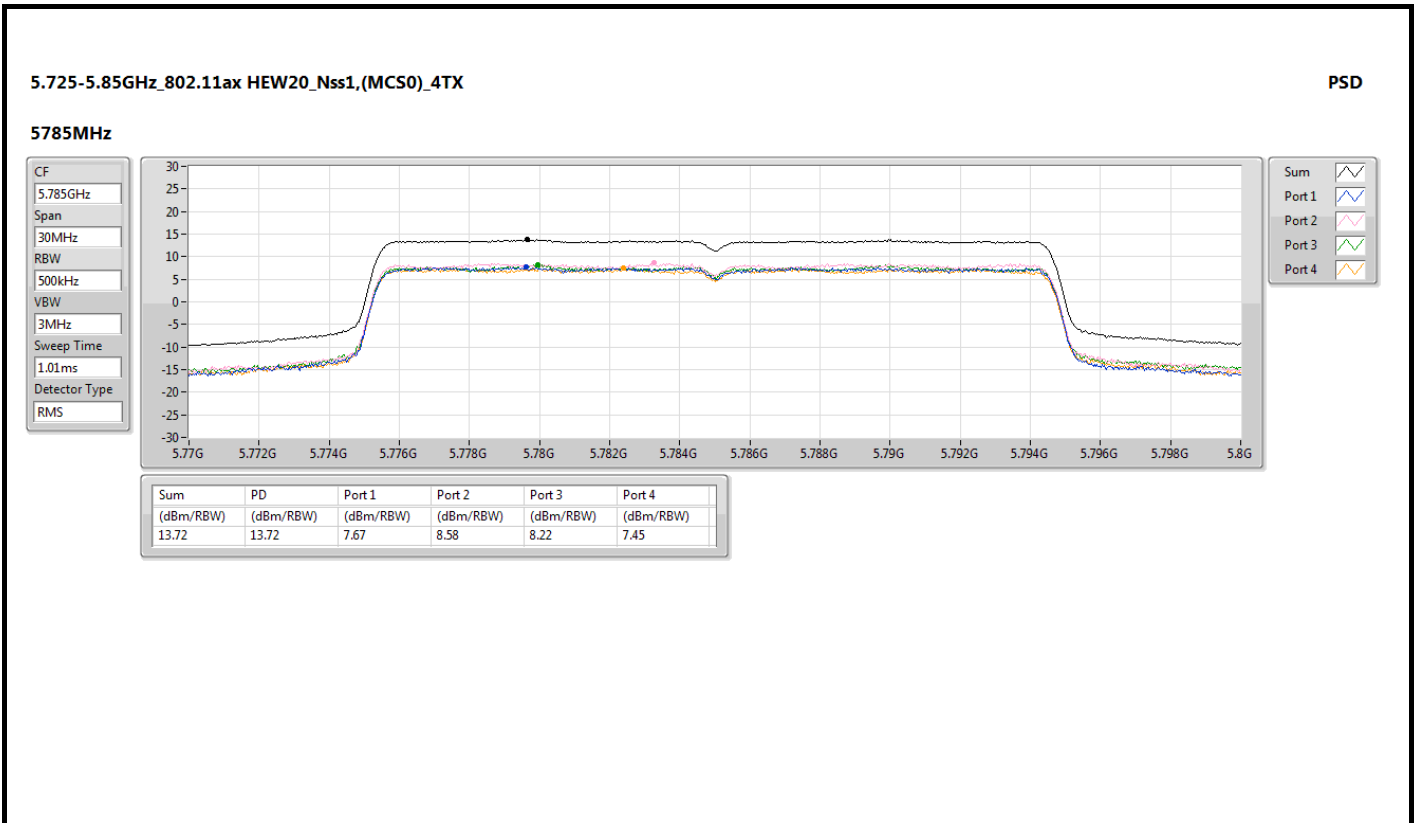


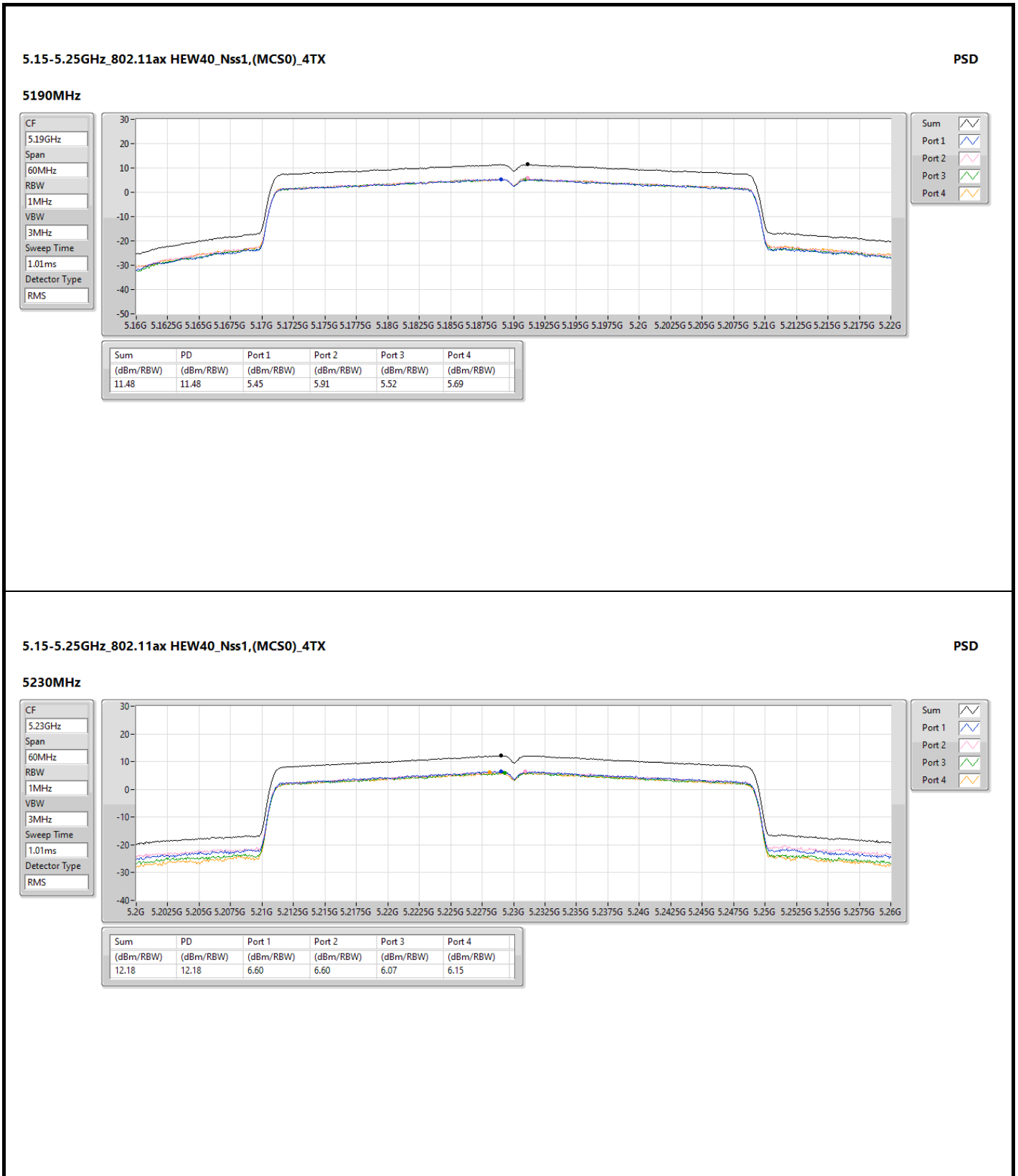


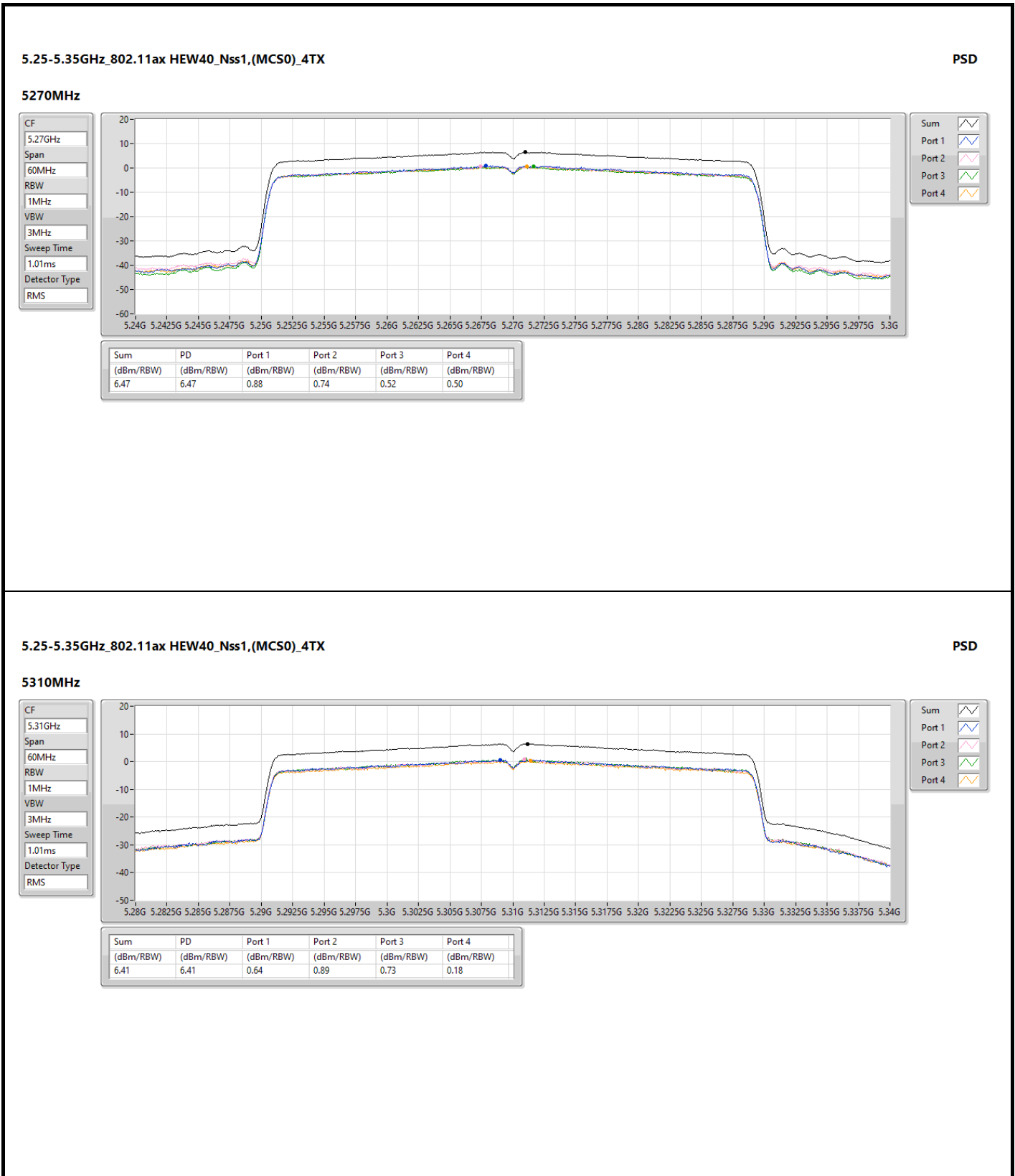




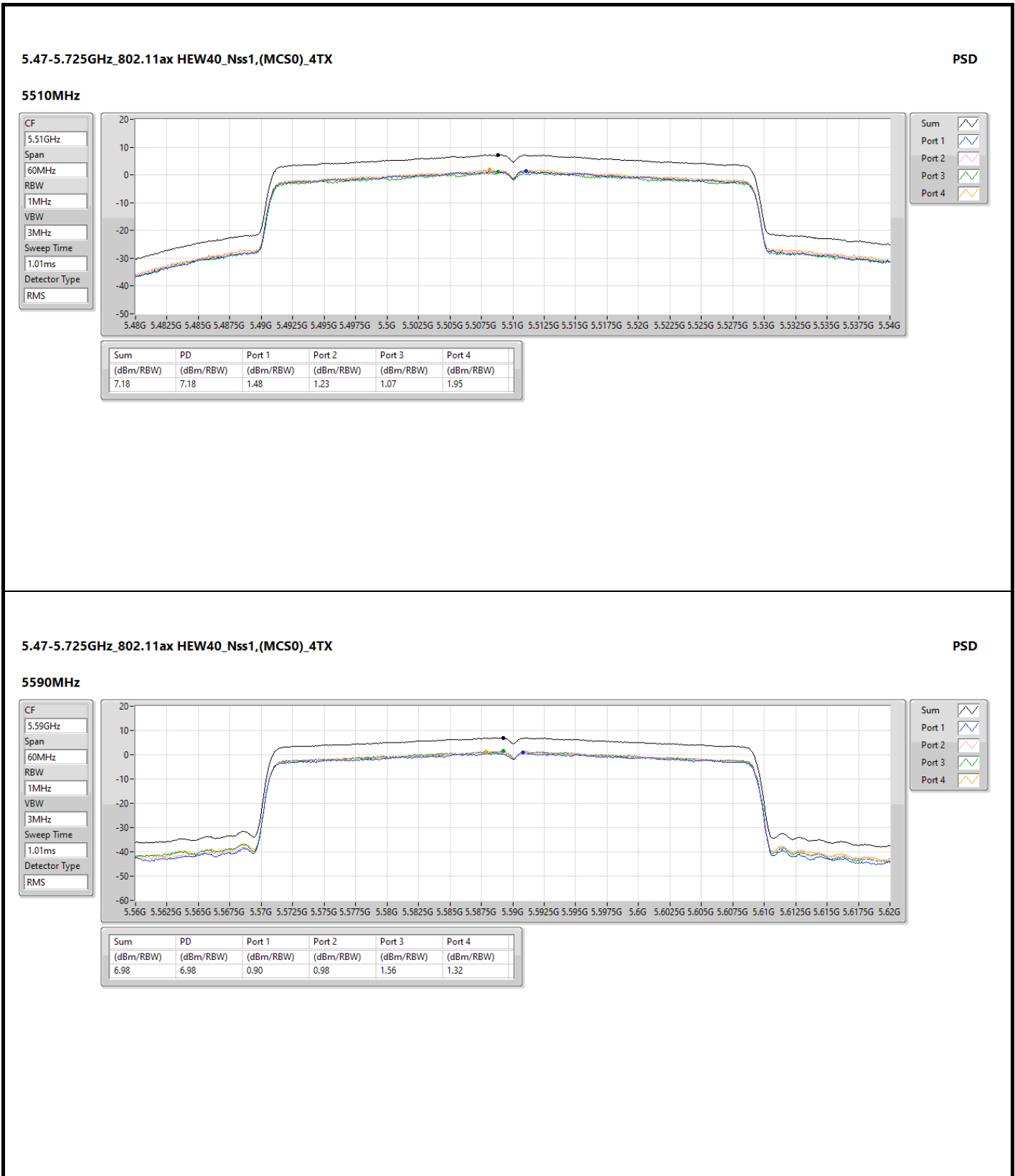


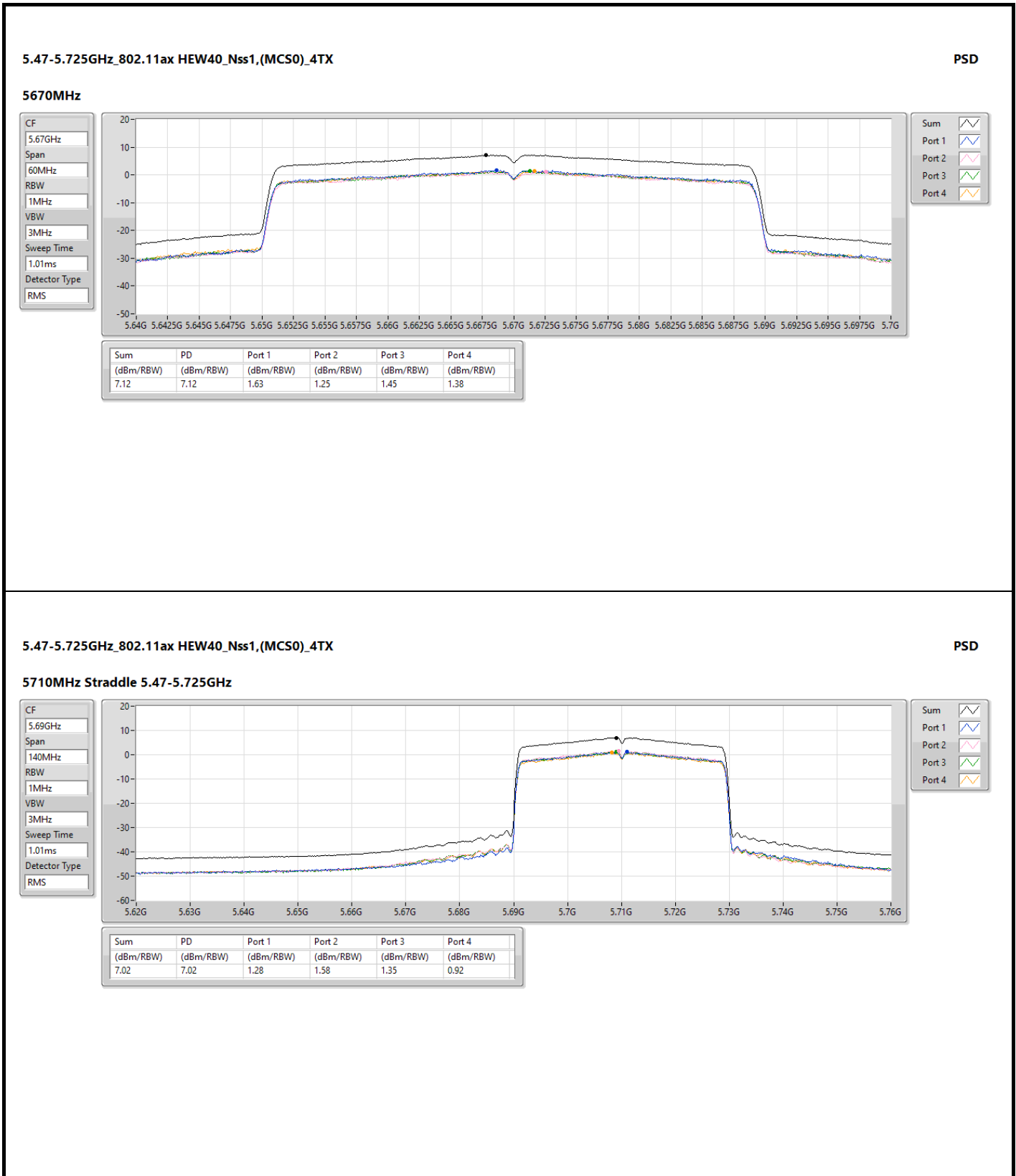


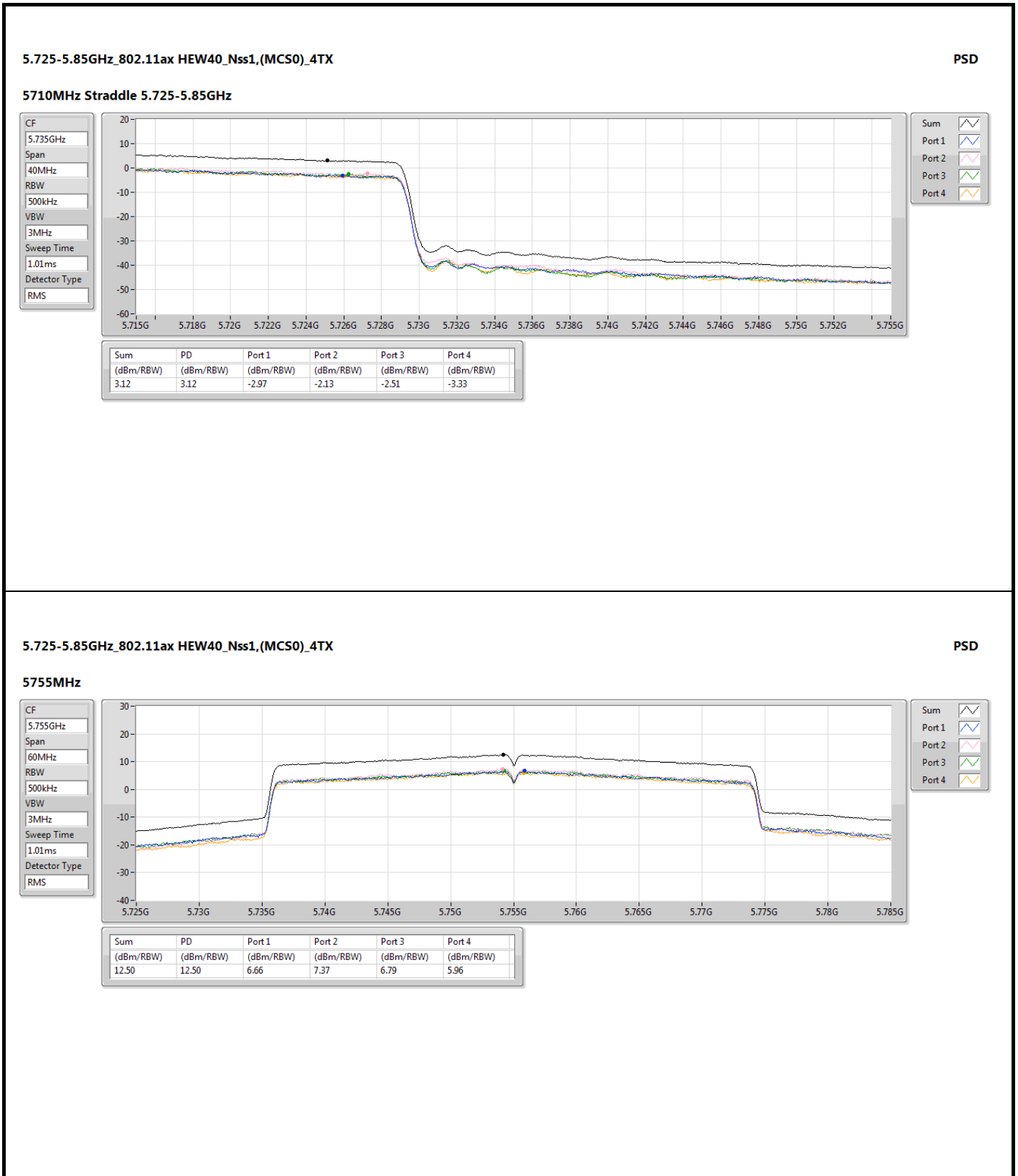


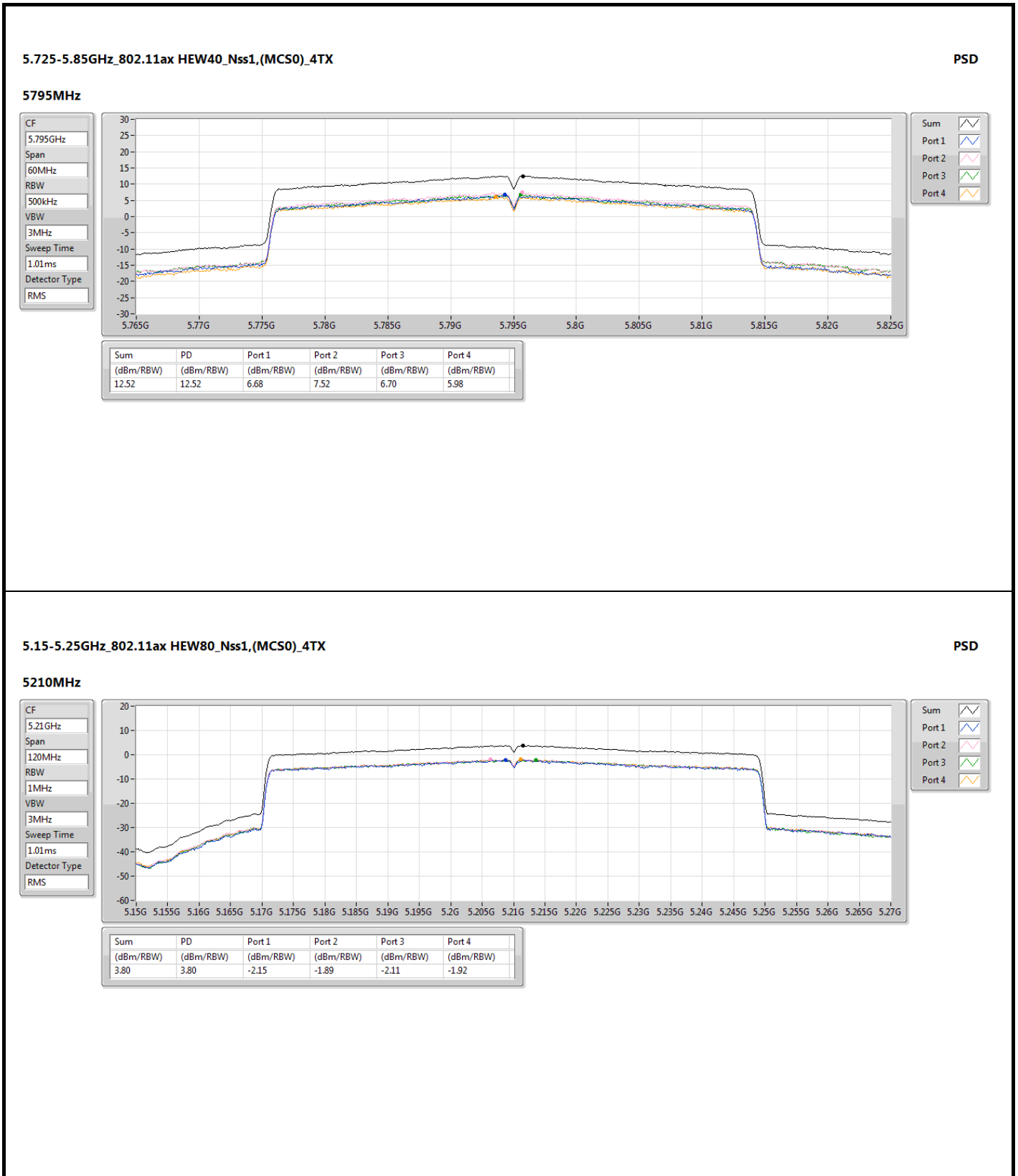


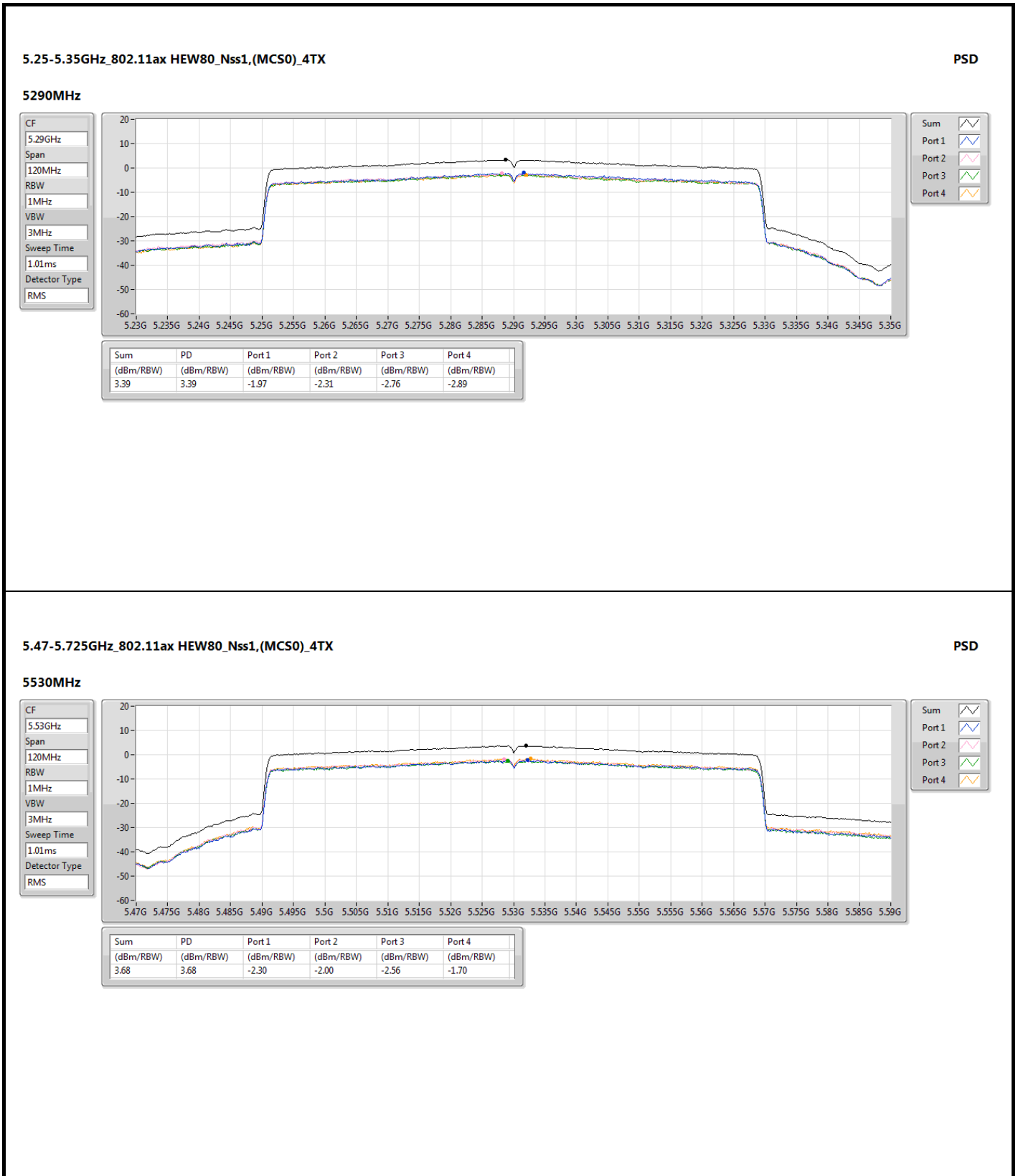


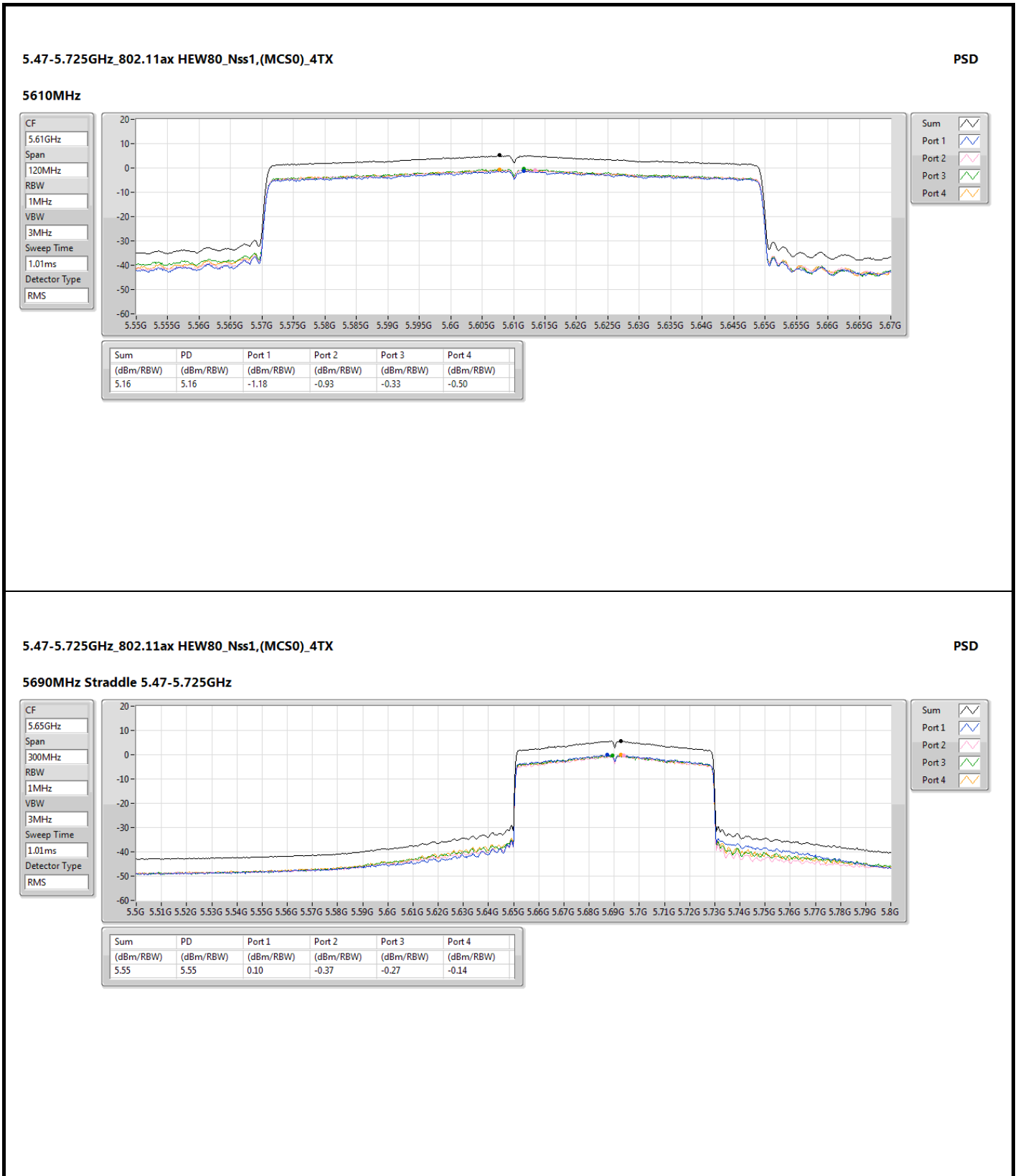


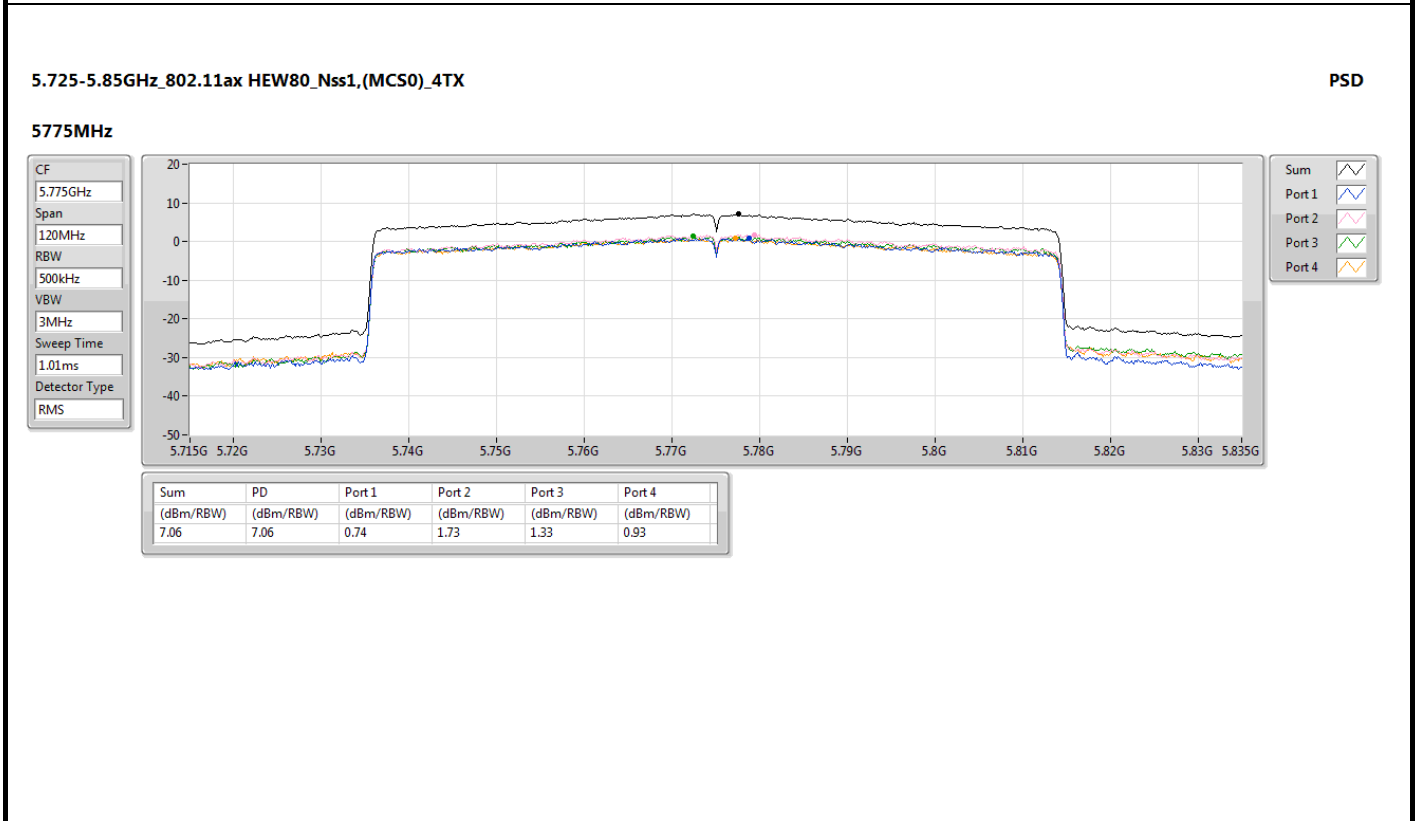
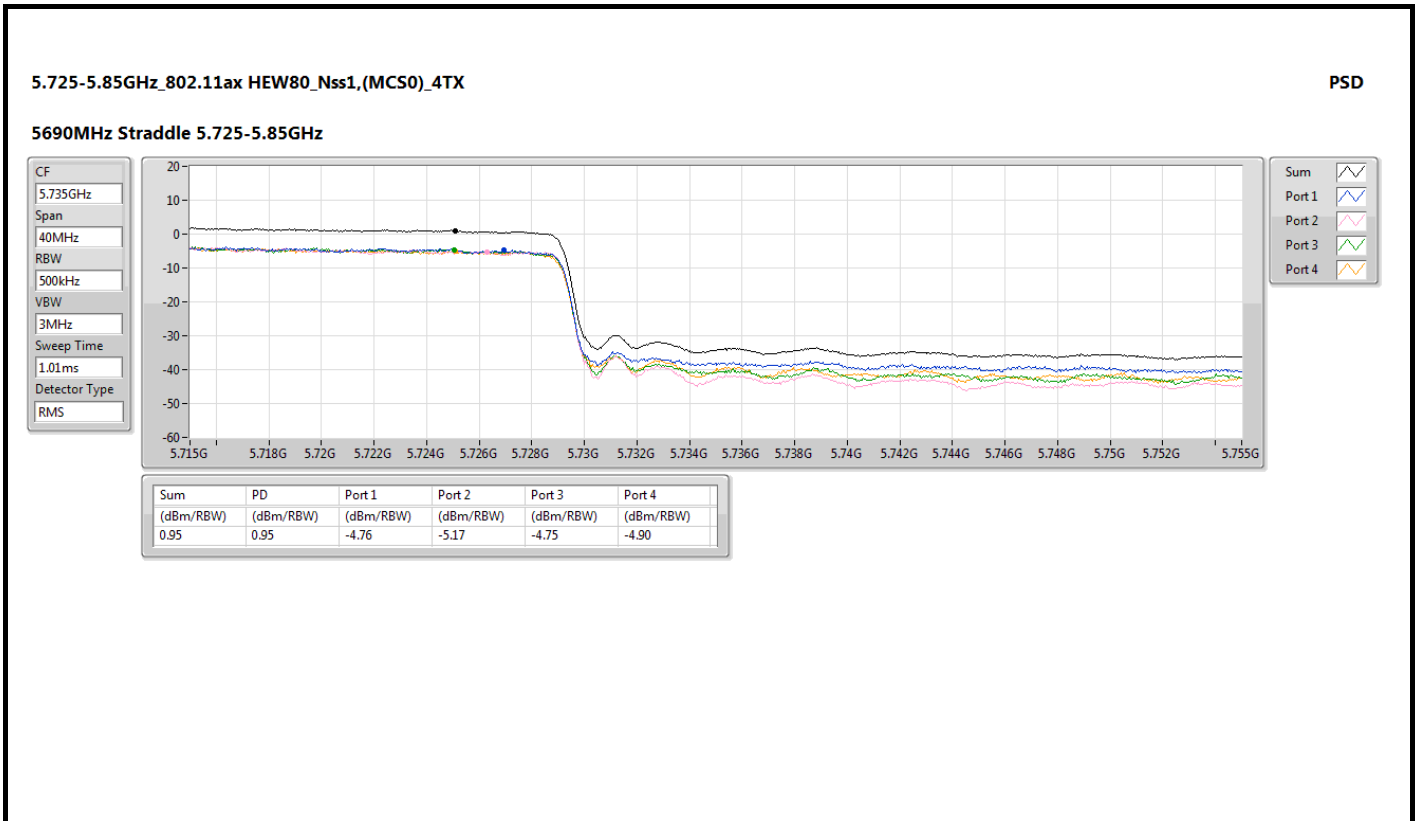


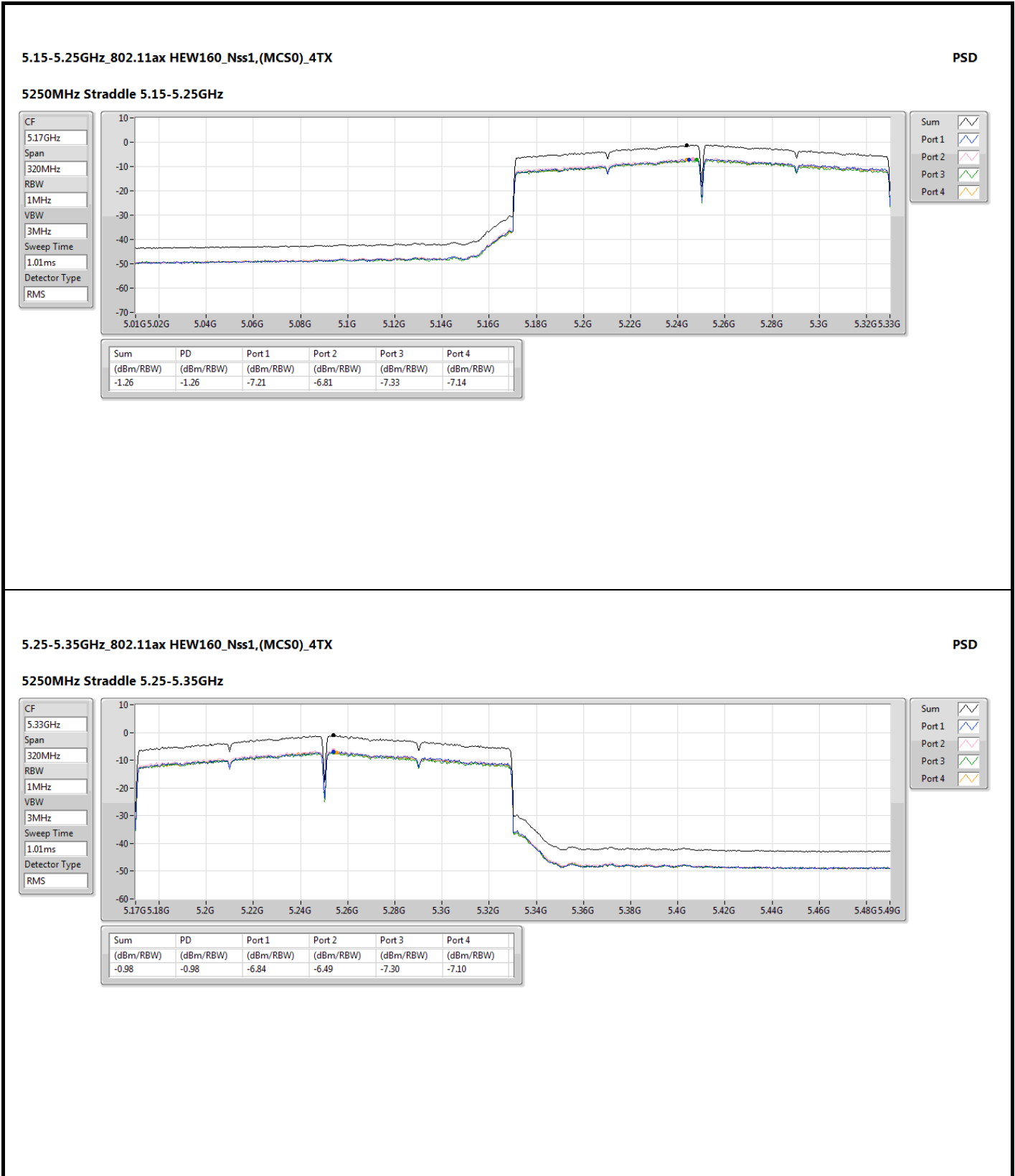




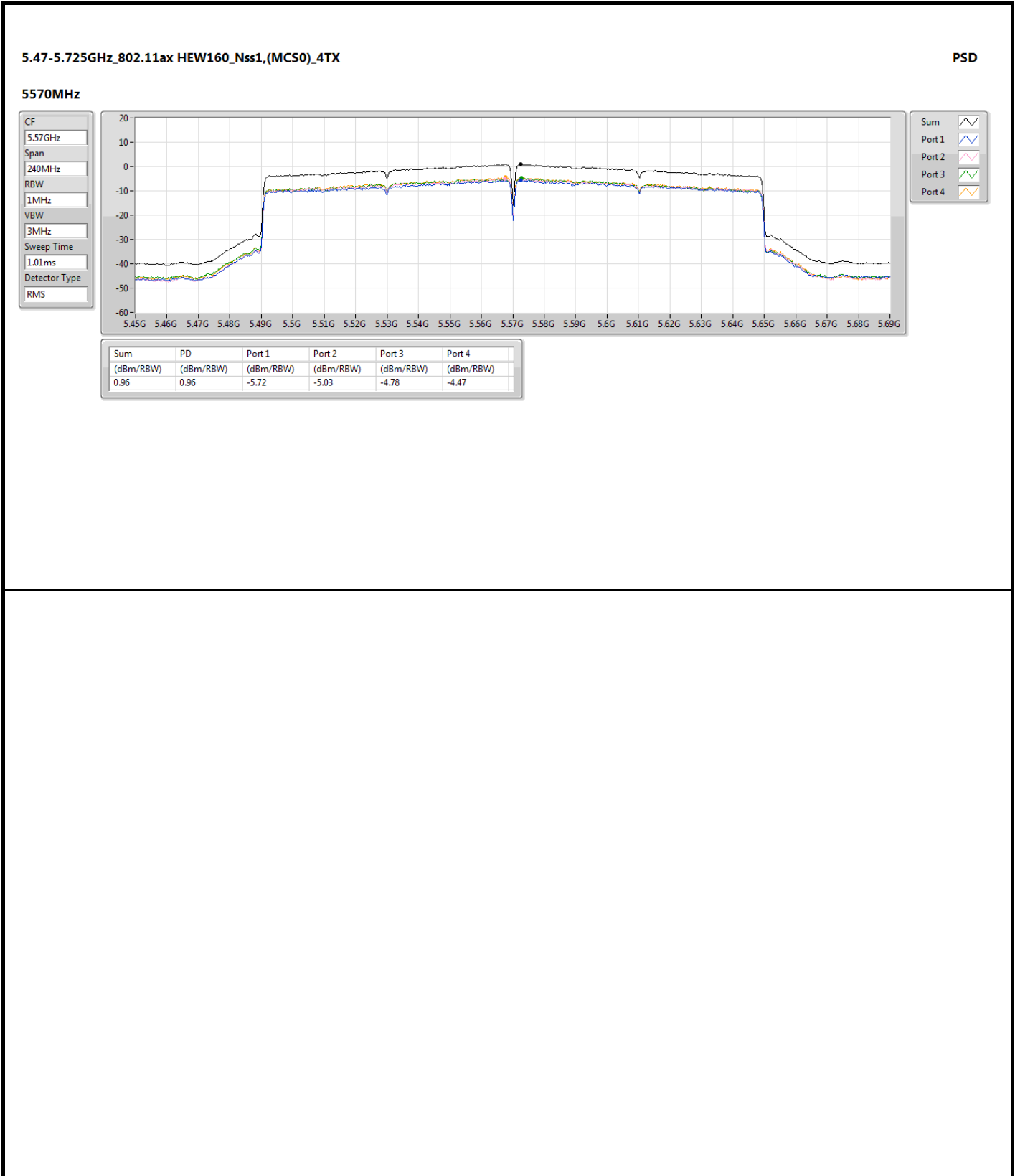














**Beamforming mode**

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	13.33	22.89
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	11.47	21.03
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.01	13.57
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-1.53	8.03
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	6.93	16.88
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	5.32	15.27
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	2.17	12.12
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-1.34	8.61
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	7.06	16.68
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	5.57	15.20
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	2.51	12.13
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	1.78	11.40
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	11.64	21.49
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	8.83	18.68
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	6.69	16.54

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.561	7.44	7.46	7.60	7.75	13.25	13.44	22.81	23.00
5200MHz	Pass	9.561	7.41	7.21	8.19	7.38	13.33	13.44	22.89	23.00
5240MHz	Pass	9.561	7.27	7.54	7.05	7.00	12.99	13.44	22.55	23.00
5260MHz	Pass	9.949	1.00	1.50	0.97	0.58	6.86	7.05	16.81	17.00
5300MHz	Pass	9.949	0.86	1.16	0.92	0.51	6.75	7.05	16.70	17.00
5320MHz	Pass	9.949	1.21	1.29	1.74	0.86	6.93	7.05	16.88	17.00
5500MHz	Pass	9.625	1.33	1.19	0.57	1.60	6.93	7.37	16.55	17.00
5580MHz	Pass	9.625	0.88	1.44	1.47	1.50	7.06	7.37	16.68	17.00
5700MHz	Pass	9.625	1.88	1.86	1.49	0.45	7.02	7.37	16.64	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	9.625	-0.03	0.33	0.59	-0.28	5.97	7.37	15.59	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	9.850	-1.66	-1.07	-1.37	-1.79	4.36	26.15	14.21	36.00
5745MHz	Pass	9.850	5.50	5.83	5.62	5.30	11.12	26.15	20.97	36.00
5785MHz	Pass	9.850	5.74	5.90	5.98	5.59	11.54	26.15	21.39	36.00
5825MHz	Pass	9.850	6.28	6.02	6.25	6.00	11.64	26.15	21.49	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.561	5.22	5.59	5.88	5.71	11.30	13.44	20.86	23.00
5230MHz	Pass	9.561	5.83	5.98	5.42	5.21	11.47	13.44	21.03	23.00
5270MHz	Pass	9.949	-0.55	-0.49	-1.13	-1.16	5.07	7.05	15.02	17.00
5310MHz	Pass	9.949	-0.43	-0.55	-0.56	-0.81	5.32	7.05	15.27	17.00
5510MHz	Pass	9.625	-0.37	-0.73	-1.53	-0.02	5.15	7.37	14.78	17.00
5590MHz	Pass	9.625	-0.46	-0.51	-0.13	-0.53	5.44	7.37	15.07	17.00
5670MHz	Pass	9.625	0.13	-0.79	-0.34	-0.18	5.57	7.37	15.20	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	9.625	-0.72	-0.29	-0.43	-1.00	5.29	7.37	14.91	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	9.850	-5.00	-4.42	-4.08	-4.85	1.26	26.15	11.11	36.00
5755MHz	Pass	9.850	2.22	3.19	2.89	2.54	8.56	26.15	18.41	36.00
5795MHz	Pass	9.850	2.74	3.55	3.48	2.65	8.83	26.15	18.68	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.561	-1.96	-0.18	-1.80	-1.32	4.01	13.44	13.57	23.00
5290MHz	Pass	9.949	-2.71	-3.22	-4.03	-4.08	2.17	7.05	12.12	17.00
5530MHz	Pass	9.625	-2.12	-3.15	-3.32	-2.69	2.51	7.37	12.13	17.00
5610MHz	Pass	9.625	-3.11	-3.21	-2.99	-3.37	2.18	7.37	11.80	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	9.625	-3.25	-3.63	-3.32	-3.38	2.47	7.37	12.10	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	9.850	-8.31	-8.43	-8.30	-8.43	-2.51	26.15	7.34	36.00



Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5775MHz	Pass	9.850	1.38	1.45	0.93	1.06	6.69	26.15	16.54	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	9.561	-7.78	-6.74	-7.80	-7.24	-1.53	13.44	8.03	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	9.949	-7.02	-6.92	-7.60	-7.68	-1.34	7.05	8.61	17.00
5570MHz	Pass	9.625	-3.92	-3.59	-3.06	-3.93	1.78	7.37	11.40	17.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

For 5180~5240MHz:

Directional gain =  $10 \times \log((10^{3.664/20} + 10^{2.81/20} + 10^{3.587/20} + 10^{4.053/20})^2/4) = 9.561 \text{ dBi} > 6\text{dBi}$ , so the limit shall be reduced to 17 dBm – (9.561dBi – 6dBi) = 13.44 dBm

For 5260~5320MHz:

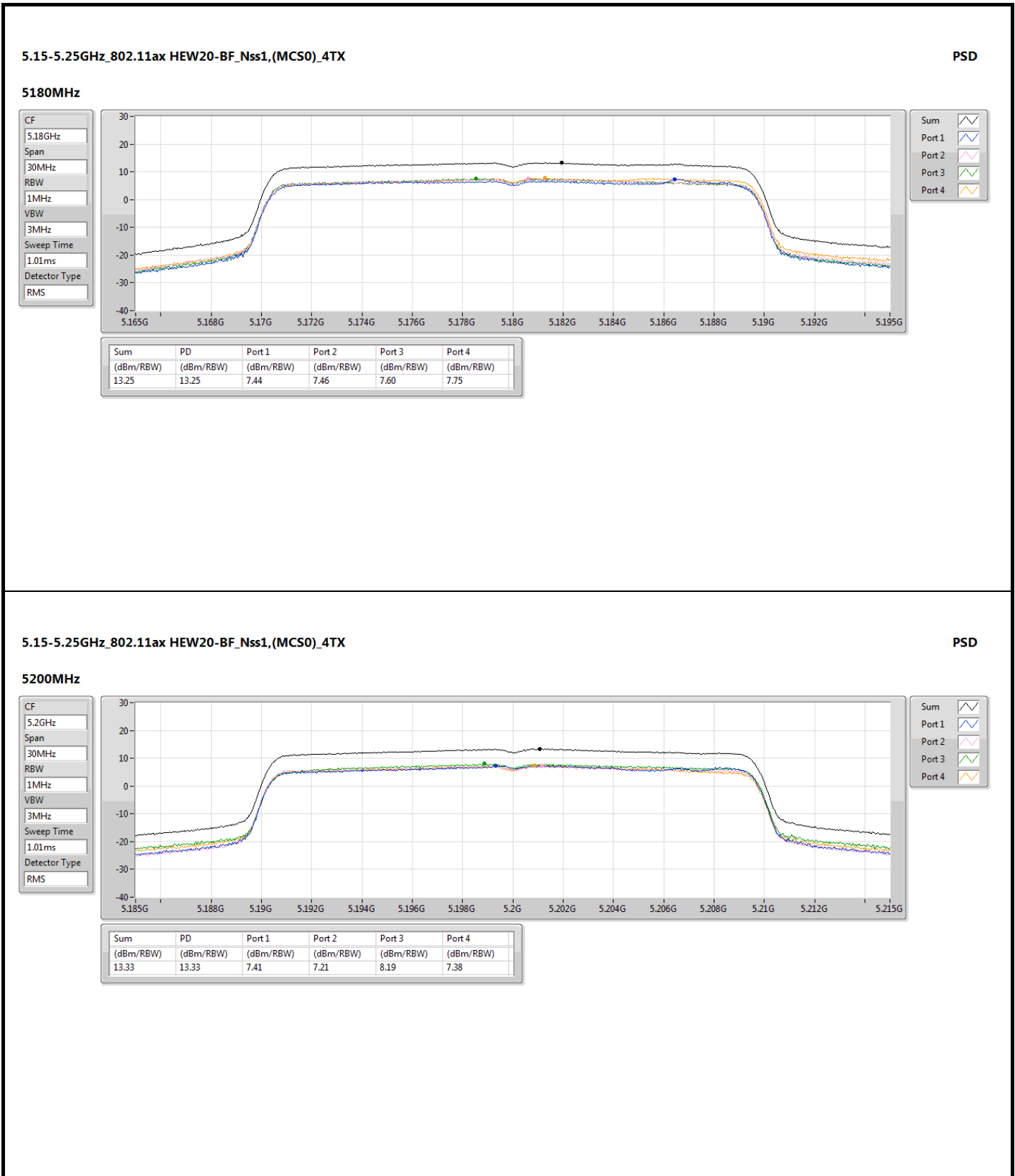
Directional gain =  $10 \times \log((10^{3.749/20} + 10^{3.951/20} + 10^{3.956/20} + 10^{4.053/20})^2/4) = 9.949 \text{ dBi} > 6\text{dBi}$ , so the limit shall be reduced to 11 dBm – (9.949dBi – 6dBi) = 7.05 dBm

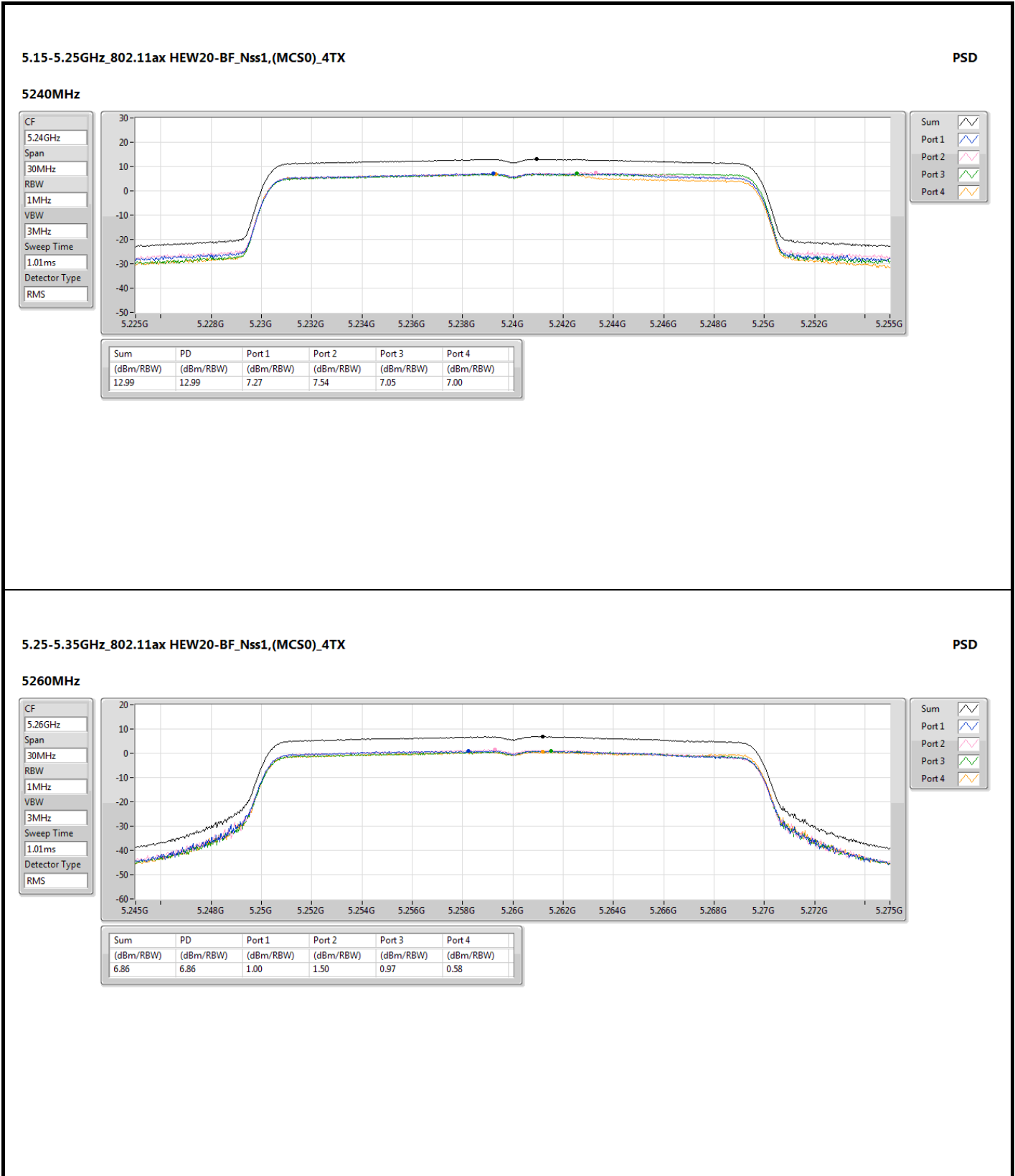
For 5500~5700MHz:

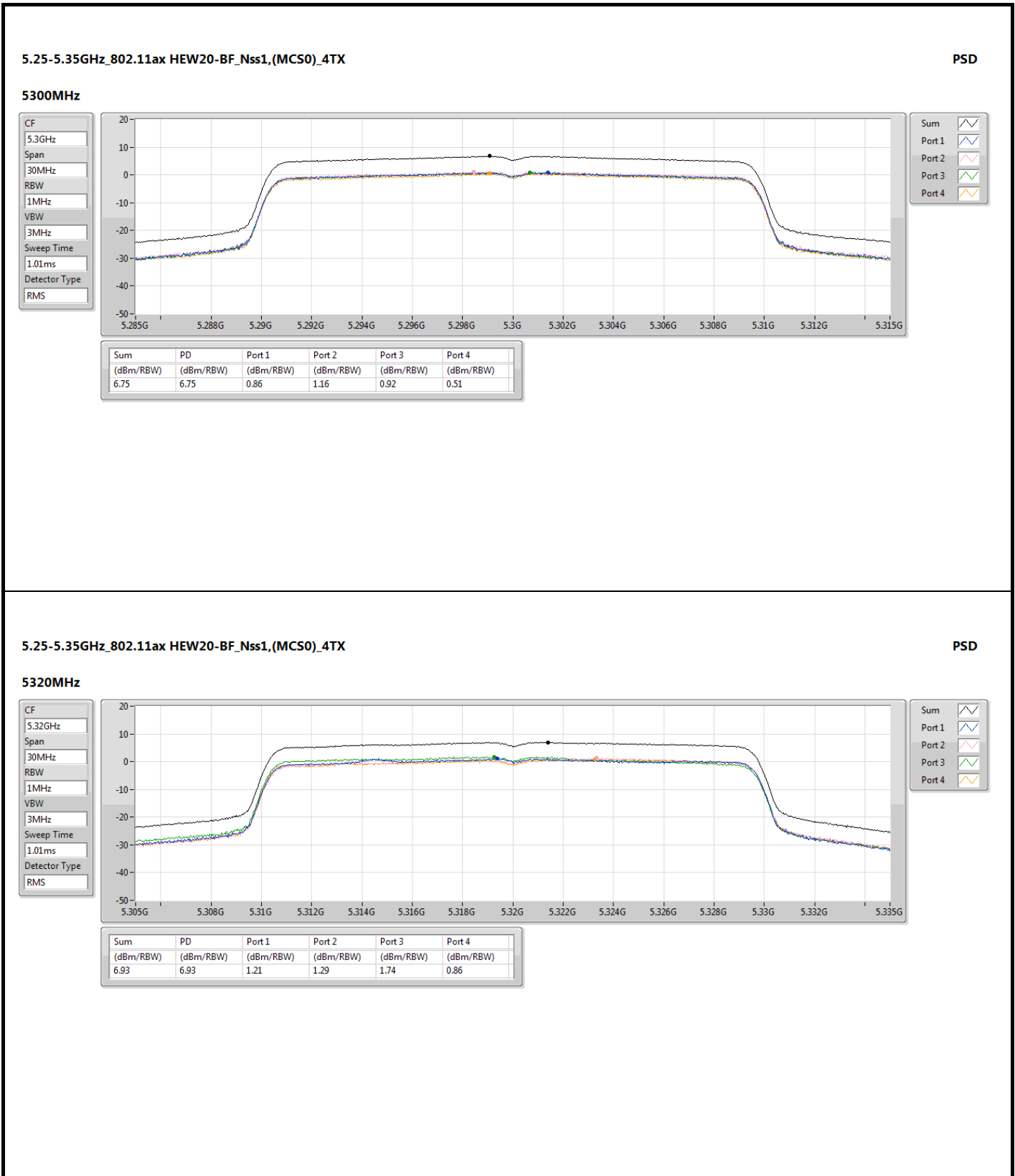
Directional gain =  $10 \times \log((10^{2.763/20} + 10^{3.35/20} + 10^{4.111/20} + 10^{4.12/20})^2/4) = 9.625 \text{ dBi} > 6\text{dBi}$ , so the limit shall be reduced to 11 dBm – (9.625dBi – 6dBi) = 7.37 dBm

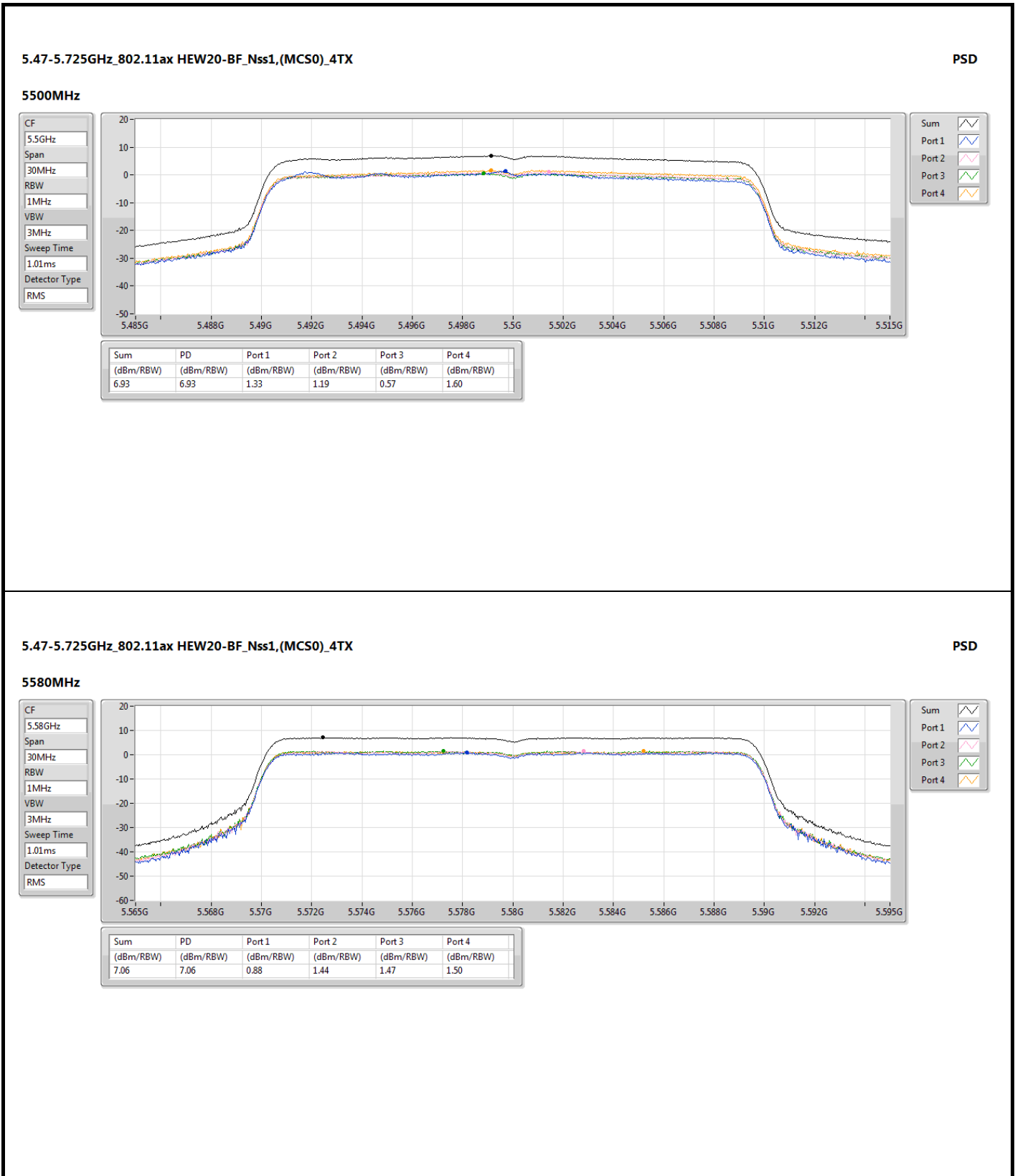
For 5745~5825MHz:

Directional gain =  $10 \times \log((10^{2.649/20} + 10^{3.759/20} + 10^{3.986/20} + 10^{4.789/20})^2/4) = 9.850 \text{ dBi} > 6\text{dBi}$ , so the limit shall be reduced to 30 dBm – (9.850dBi – 6dBi) = 26.15 dBm

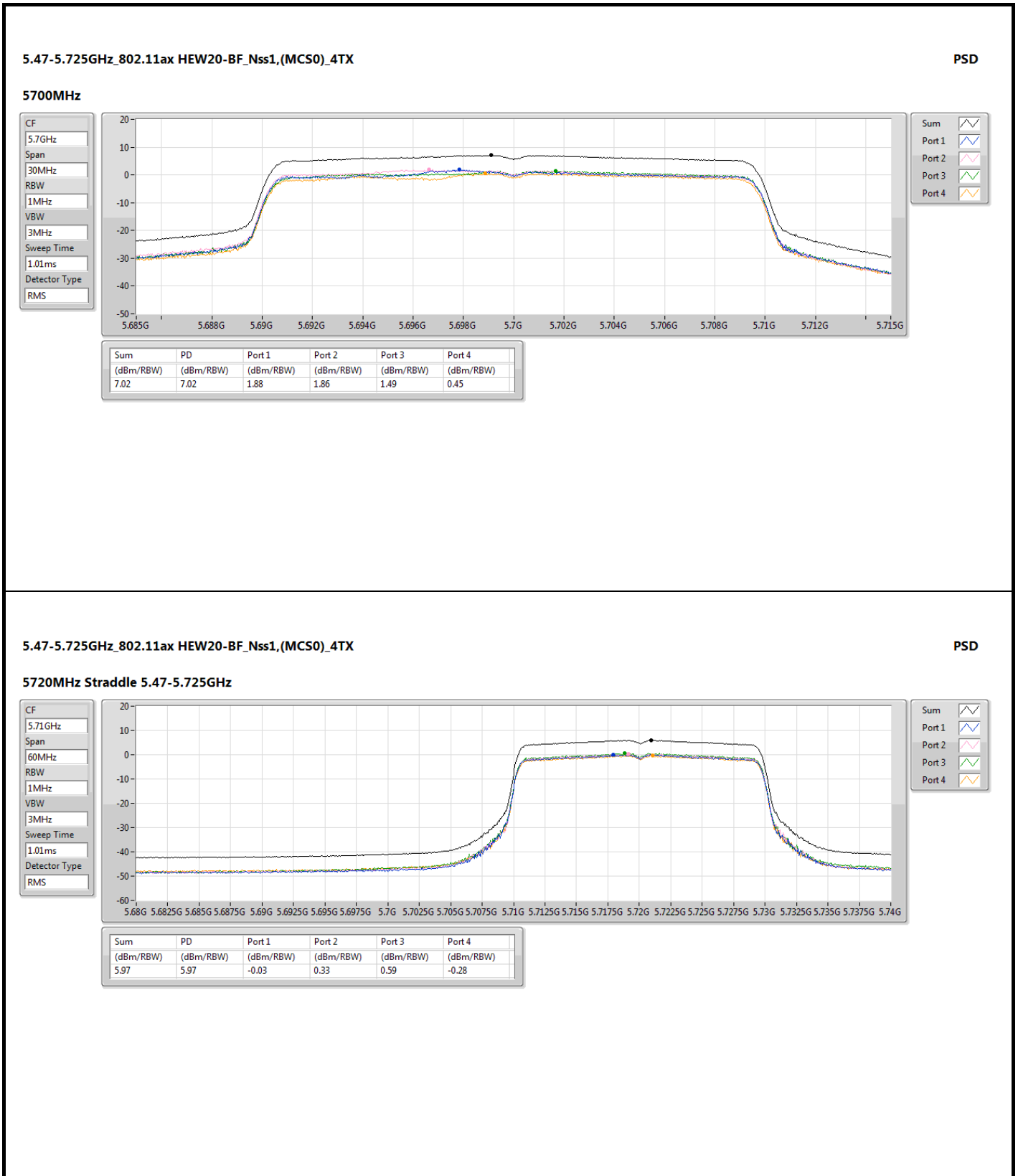


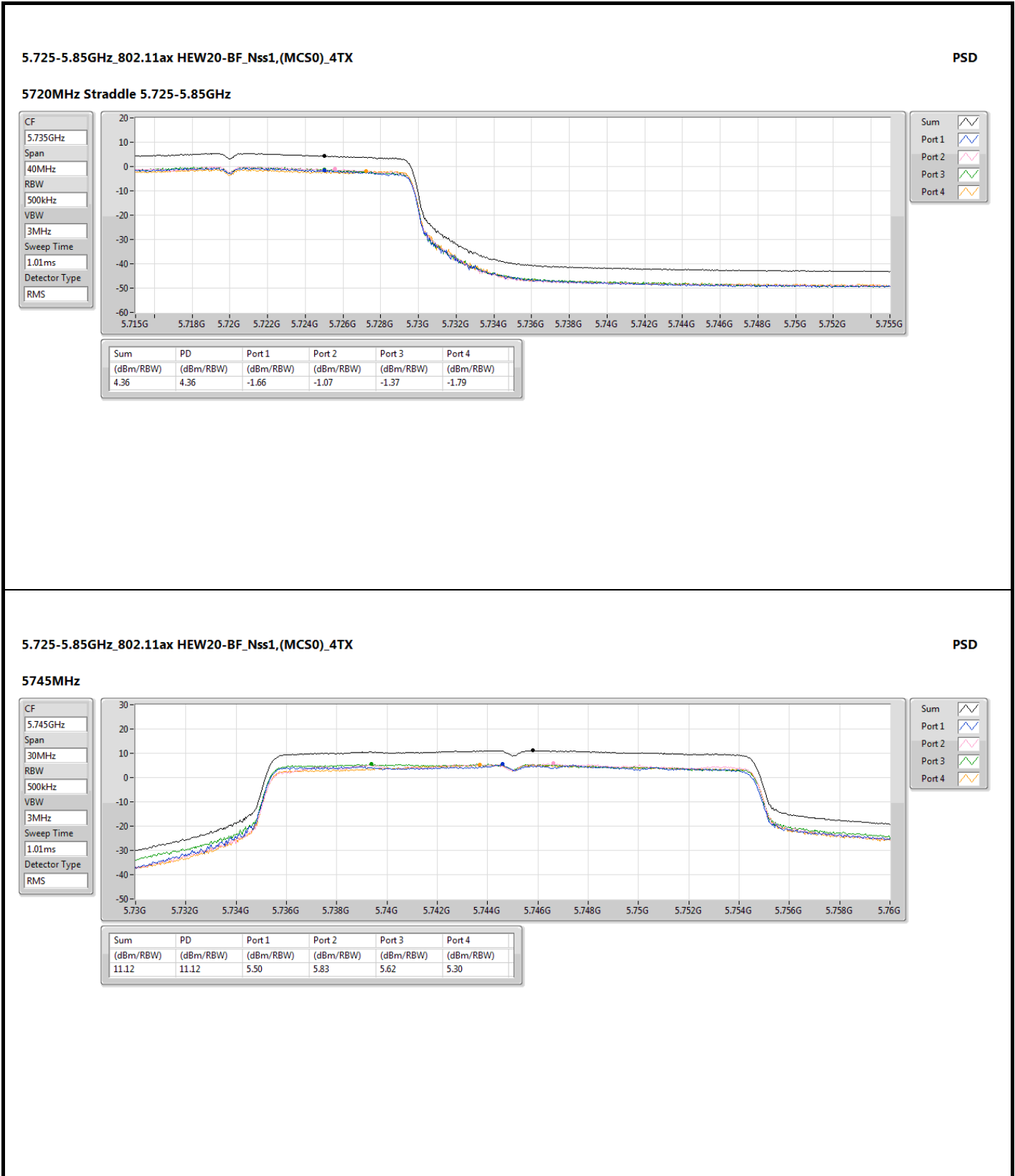


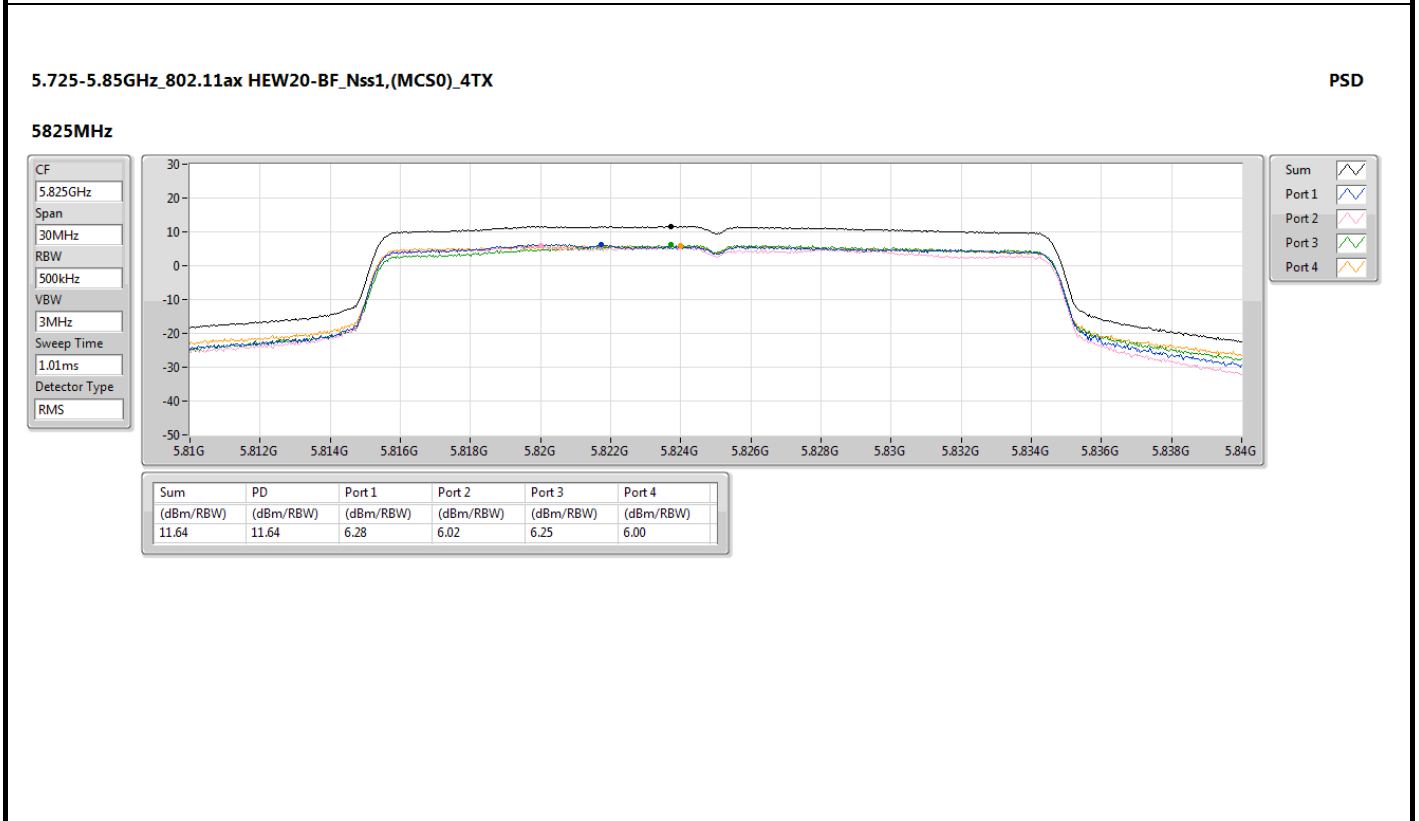
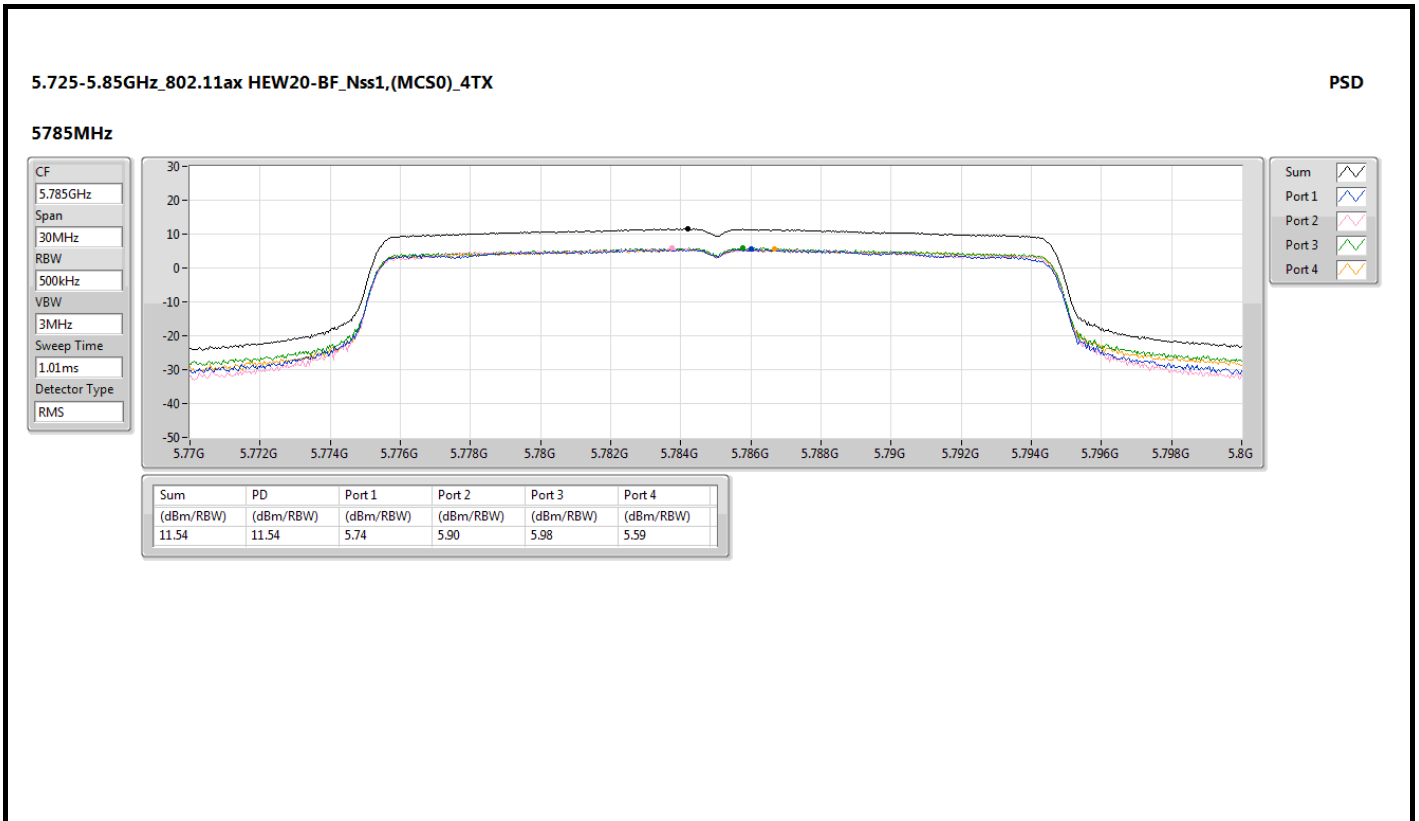


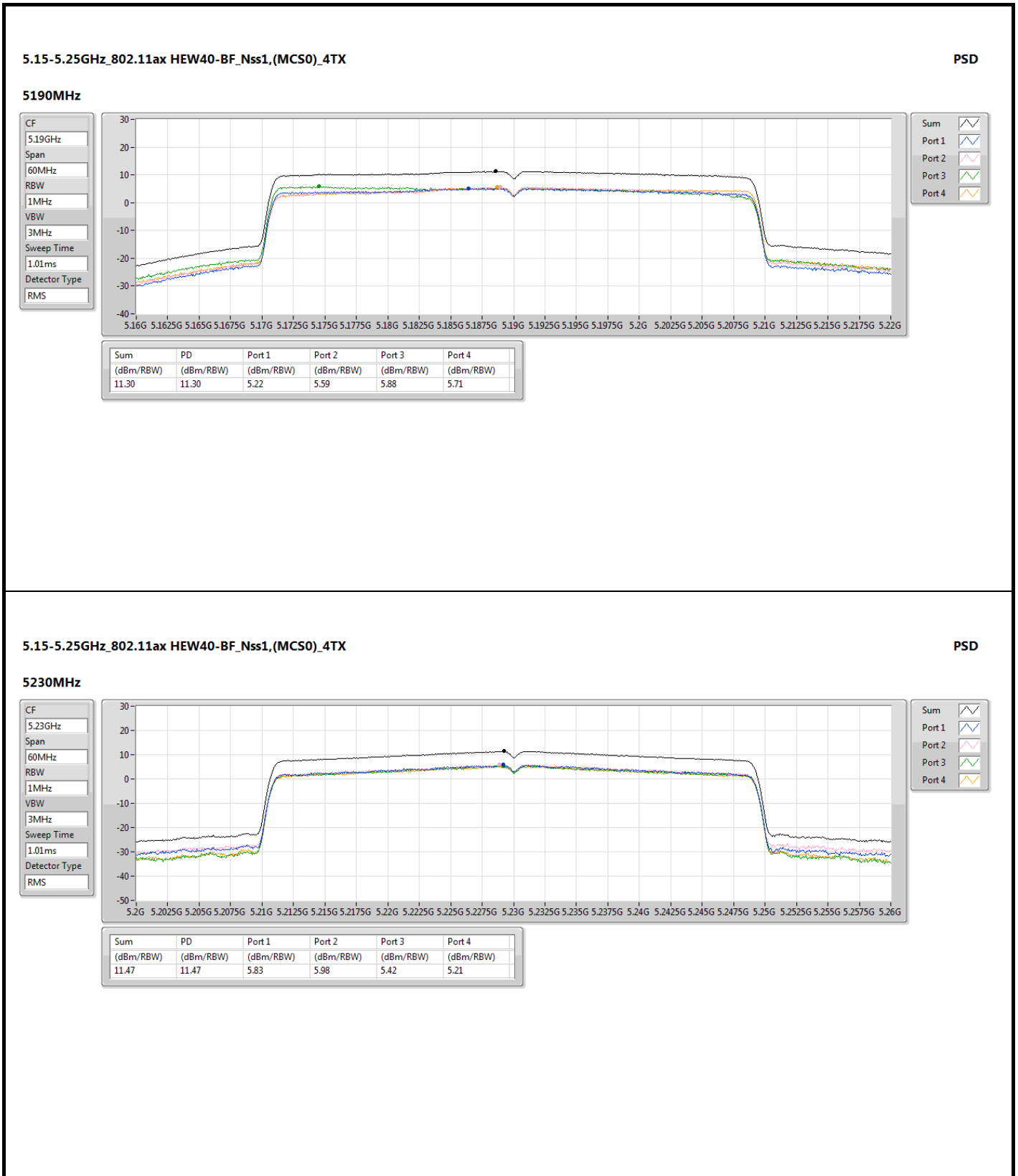


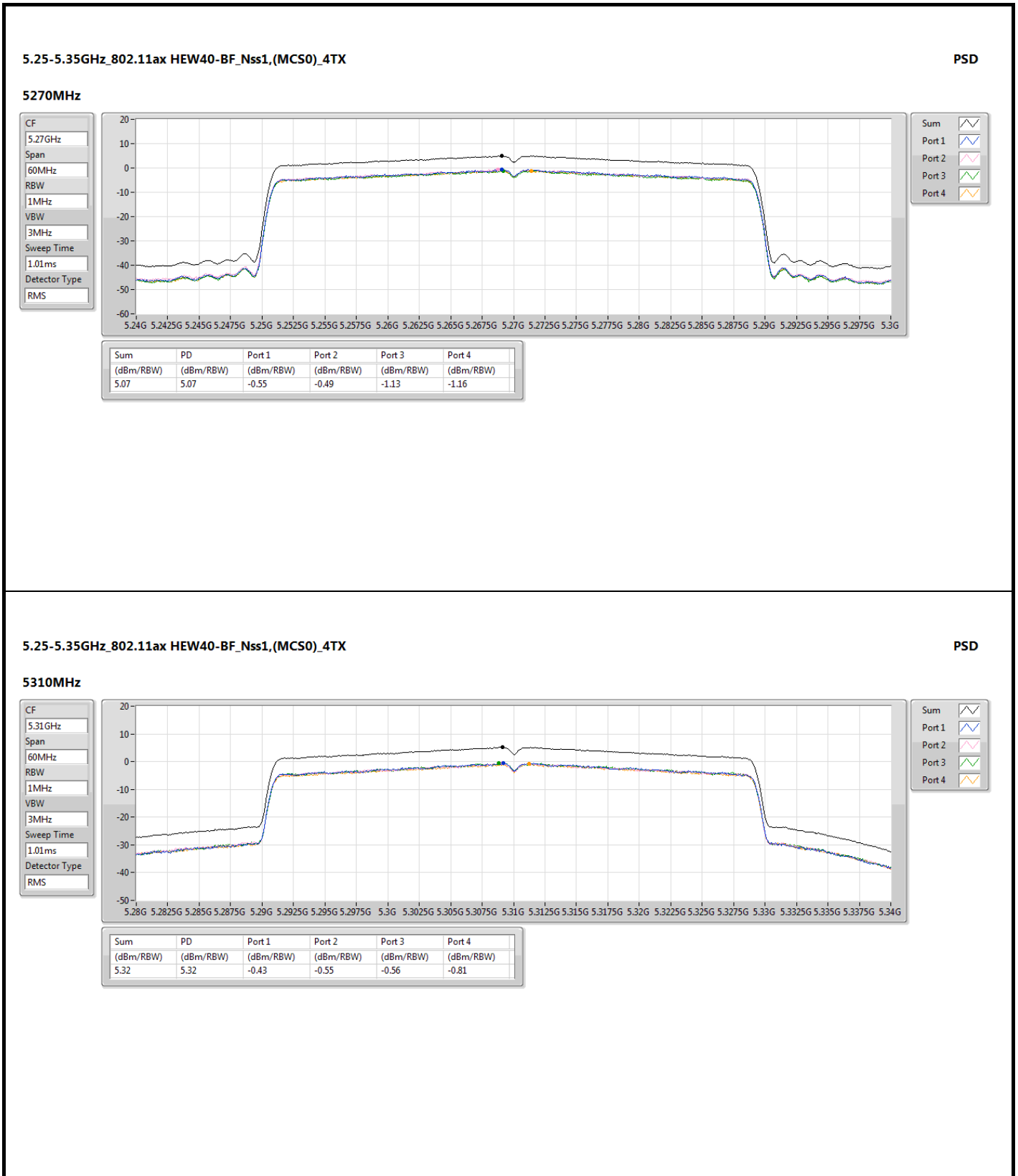


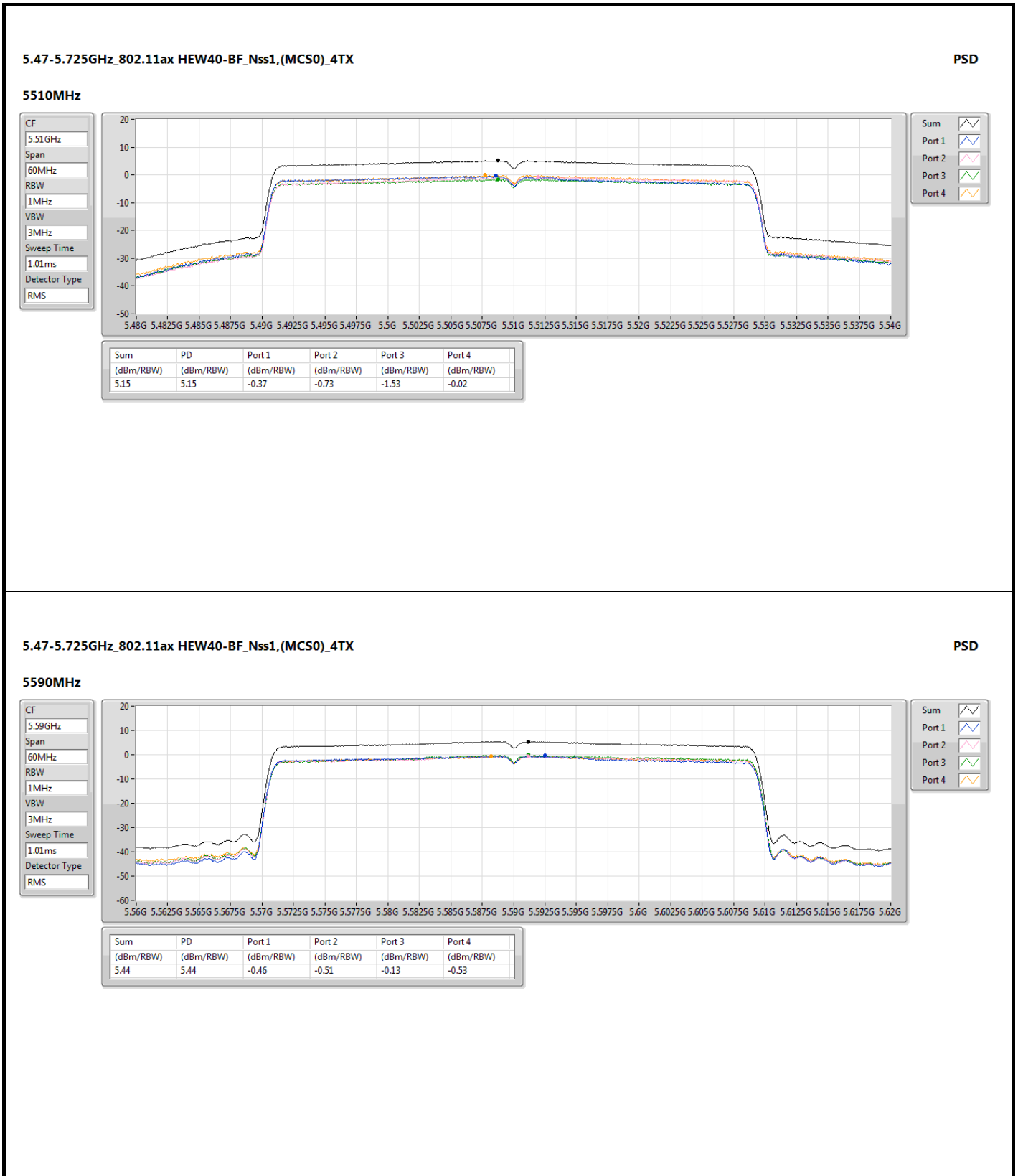


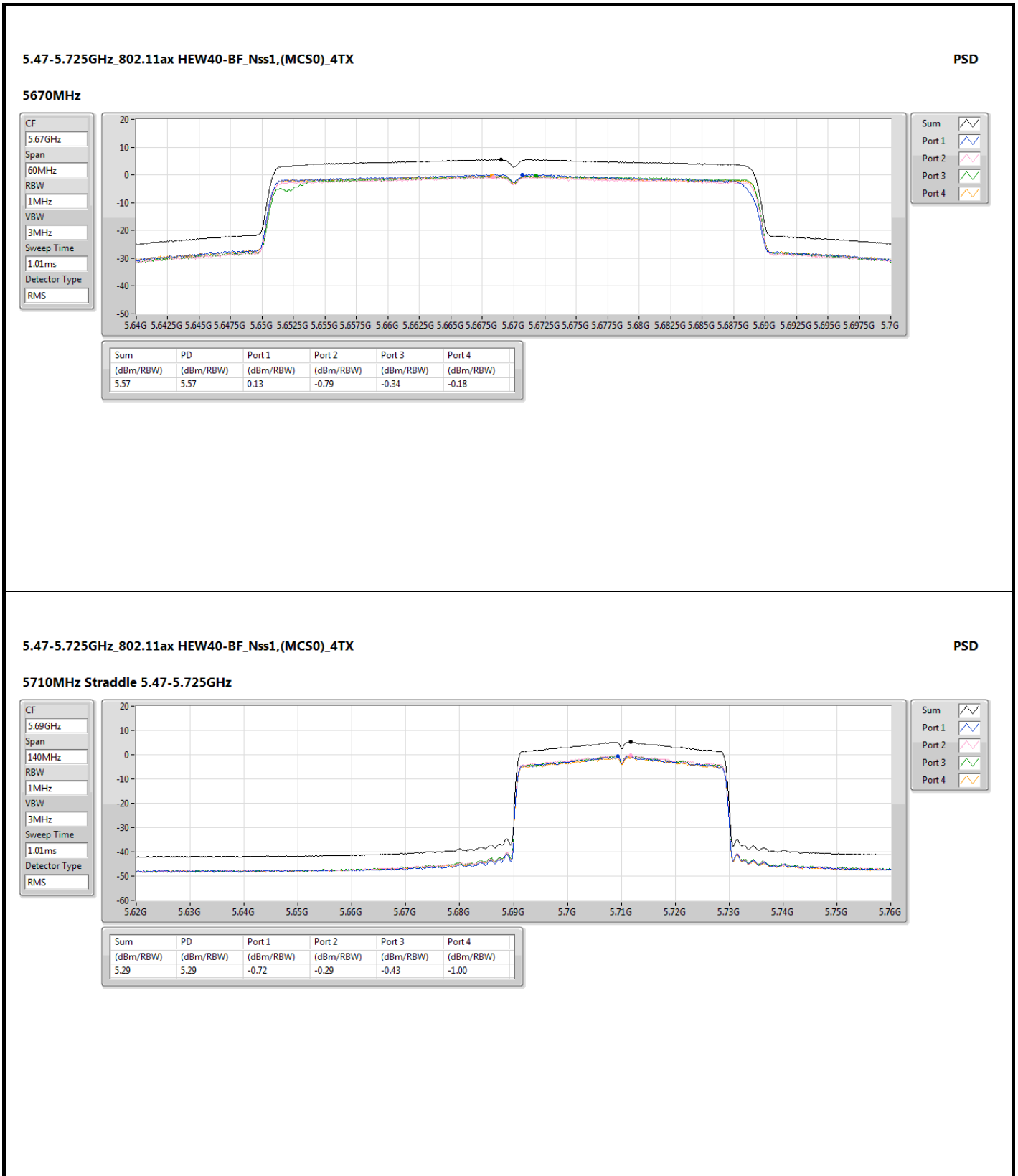


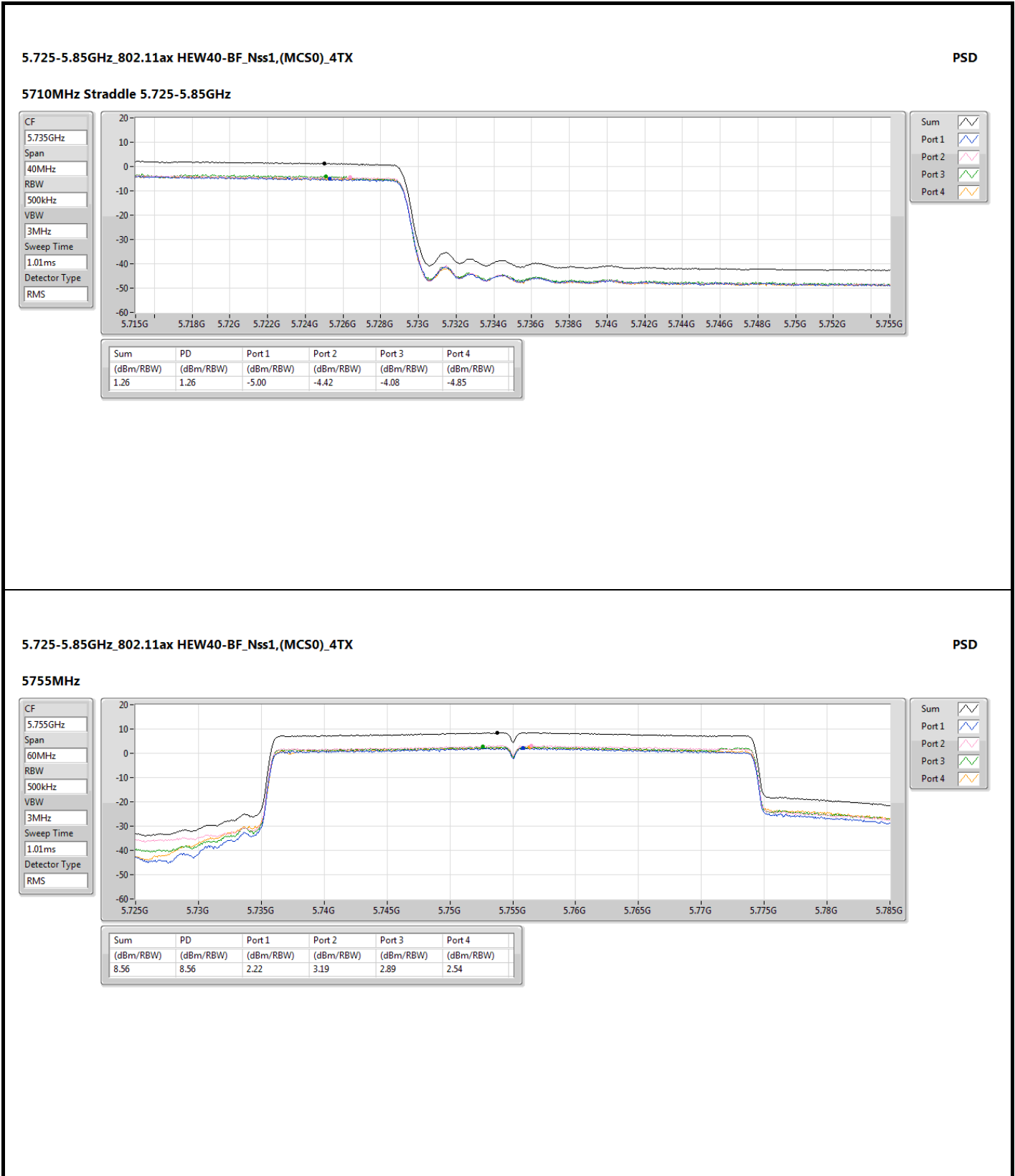




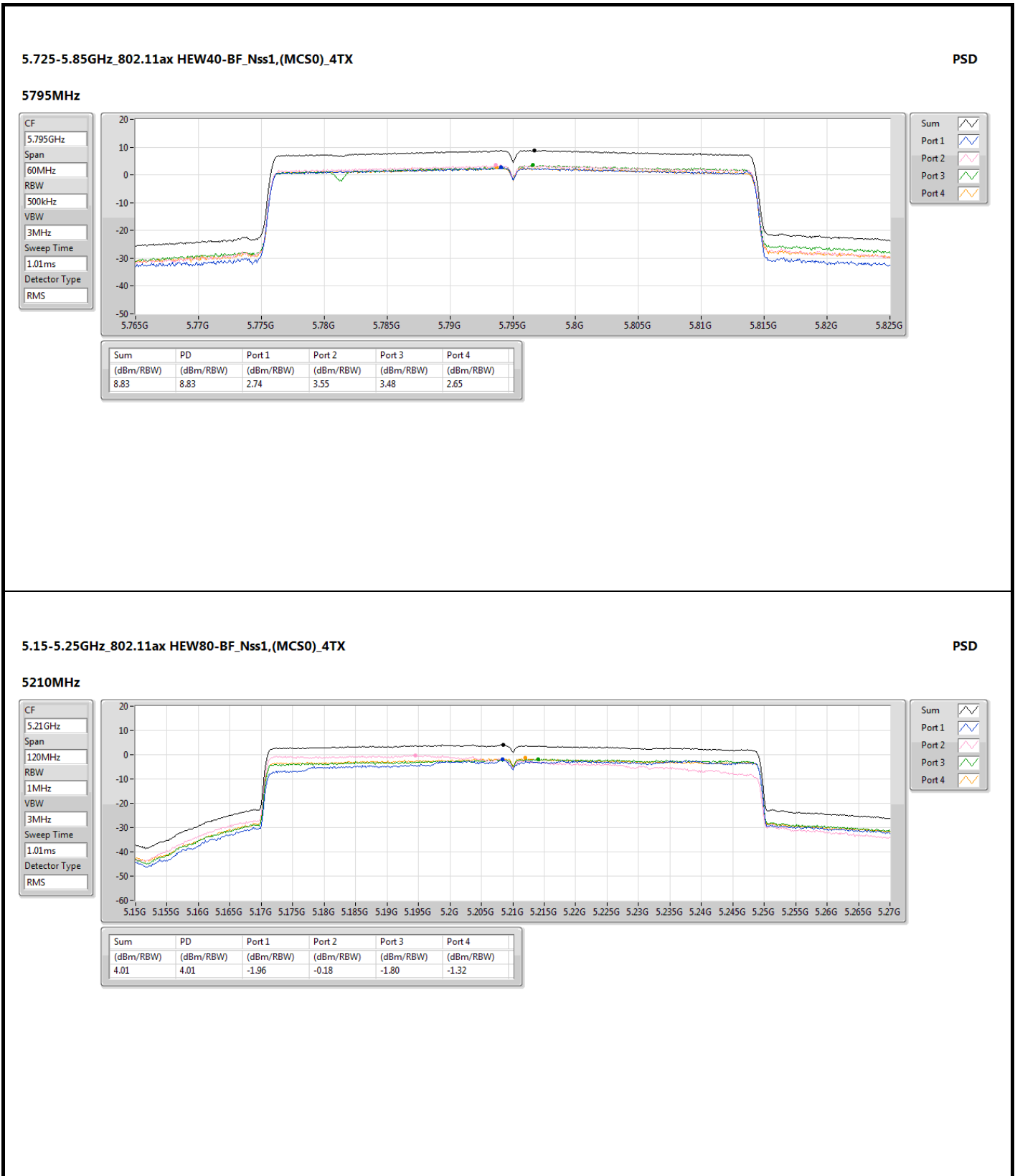


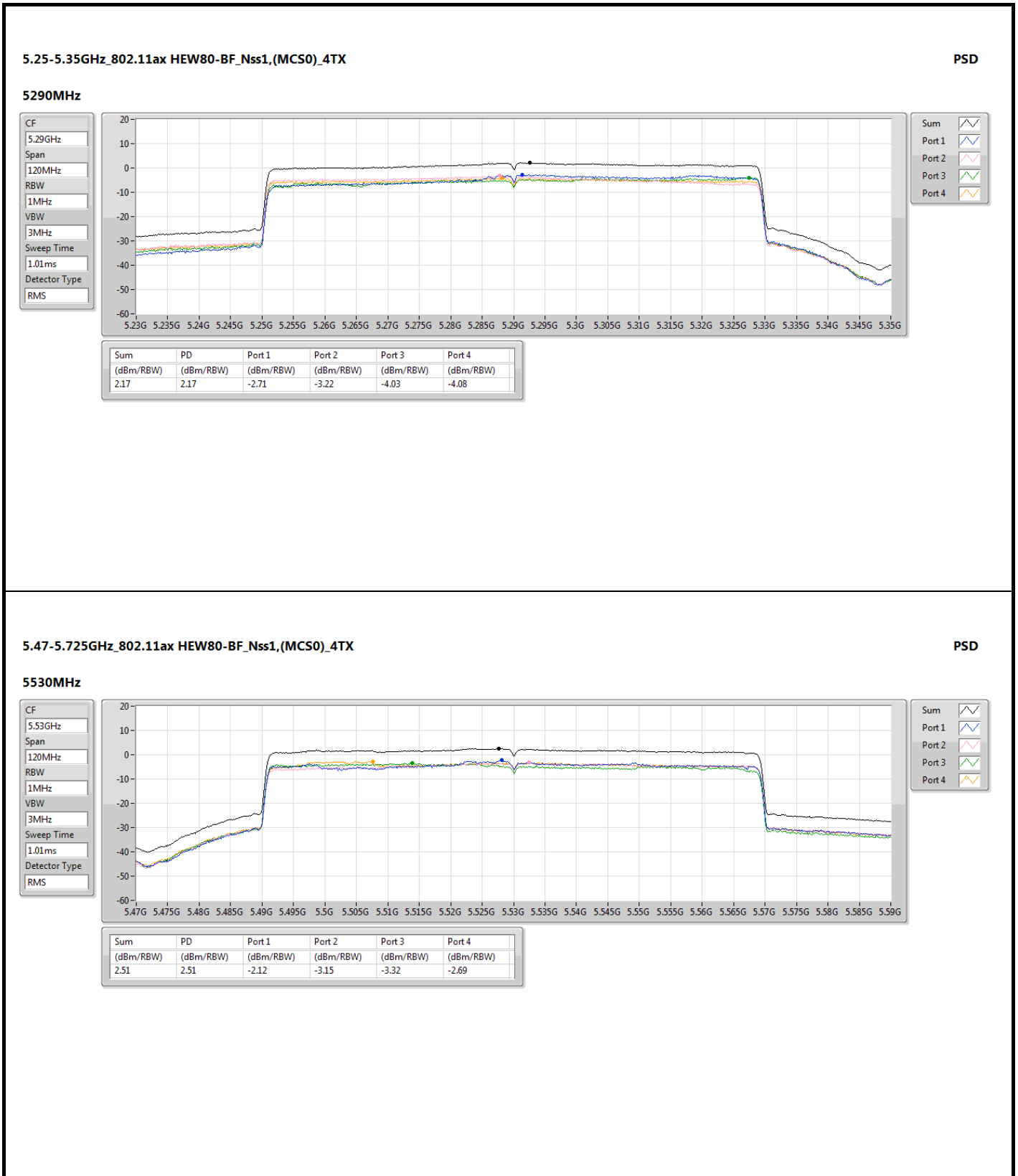


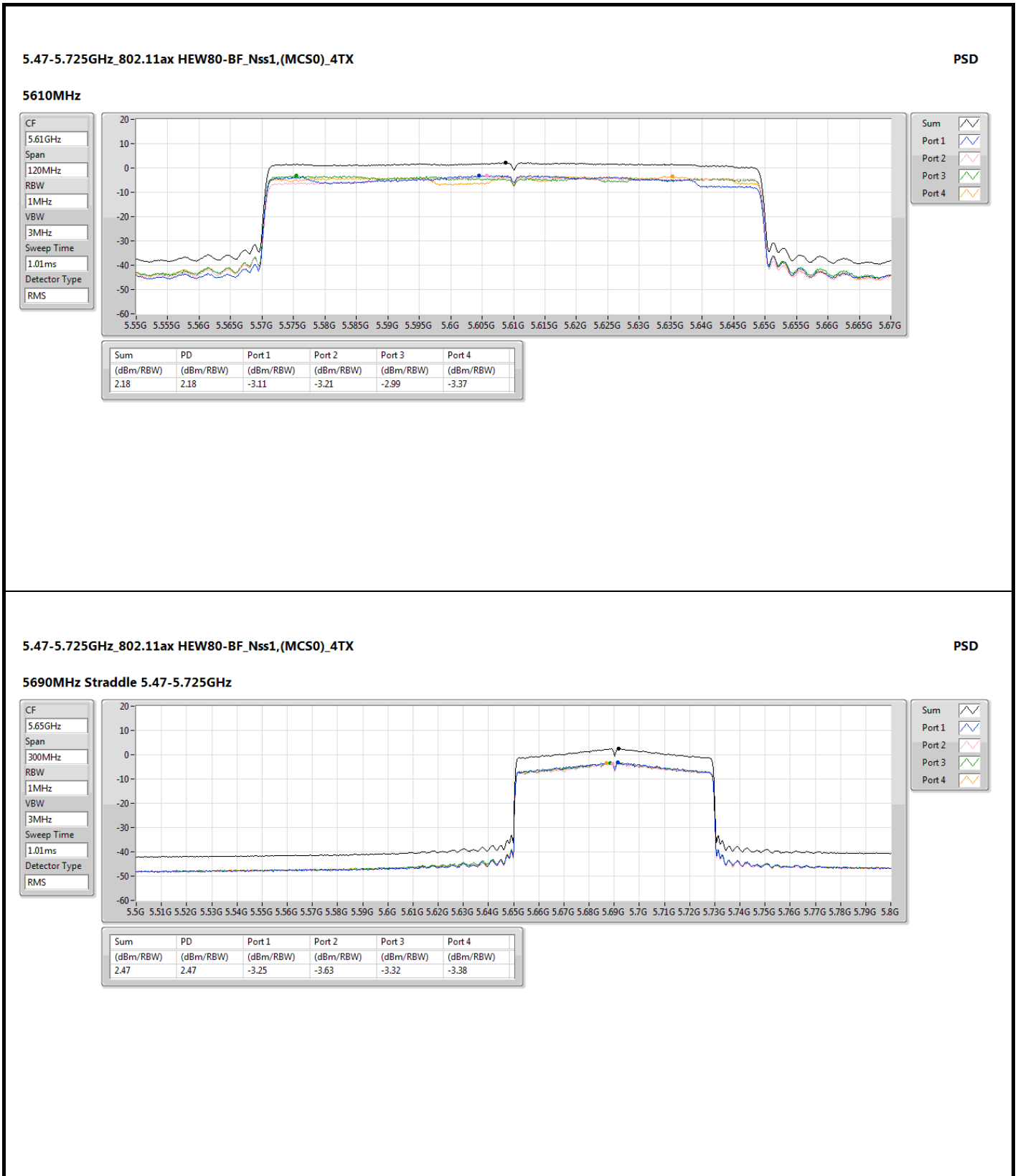


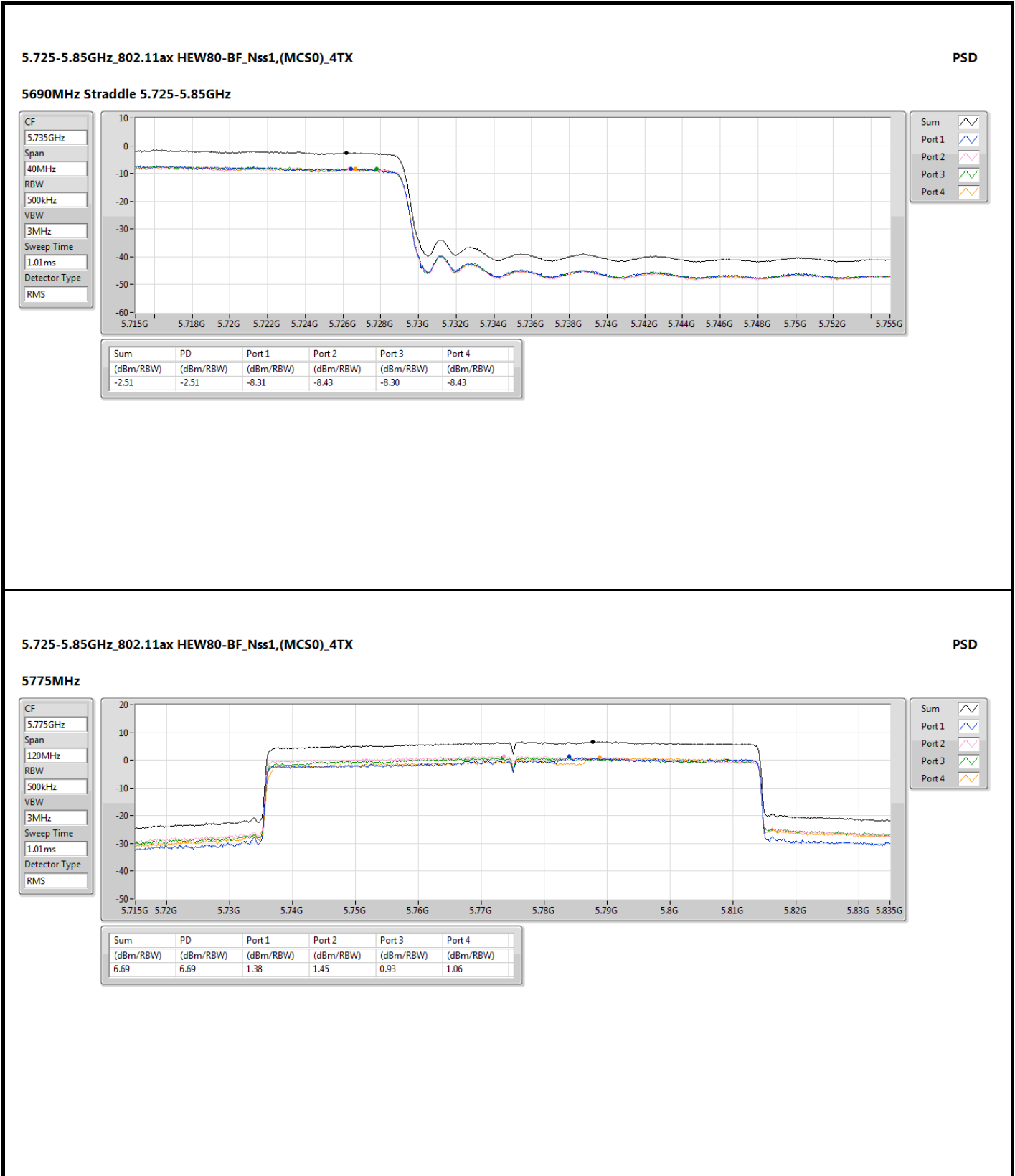


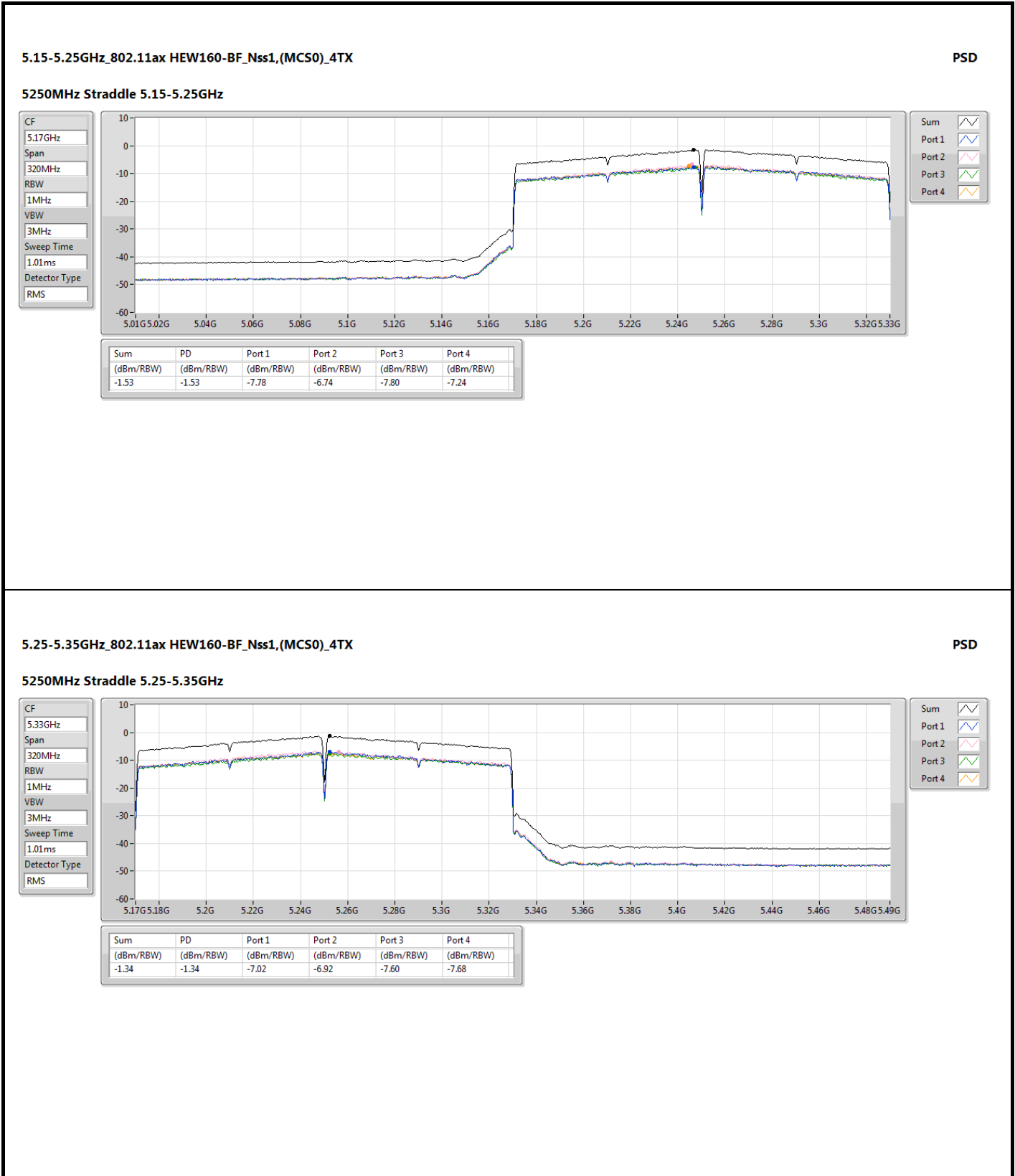


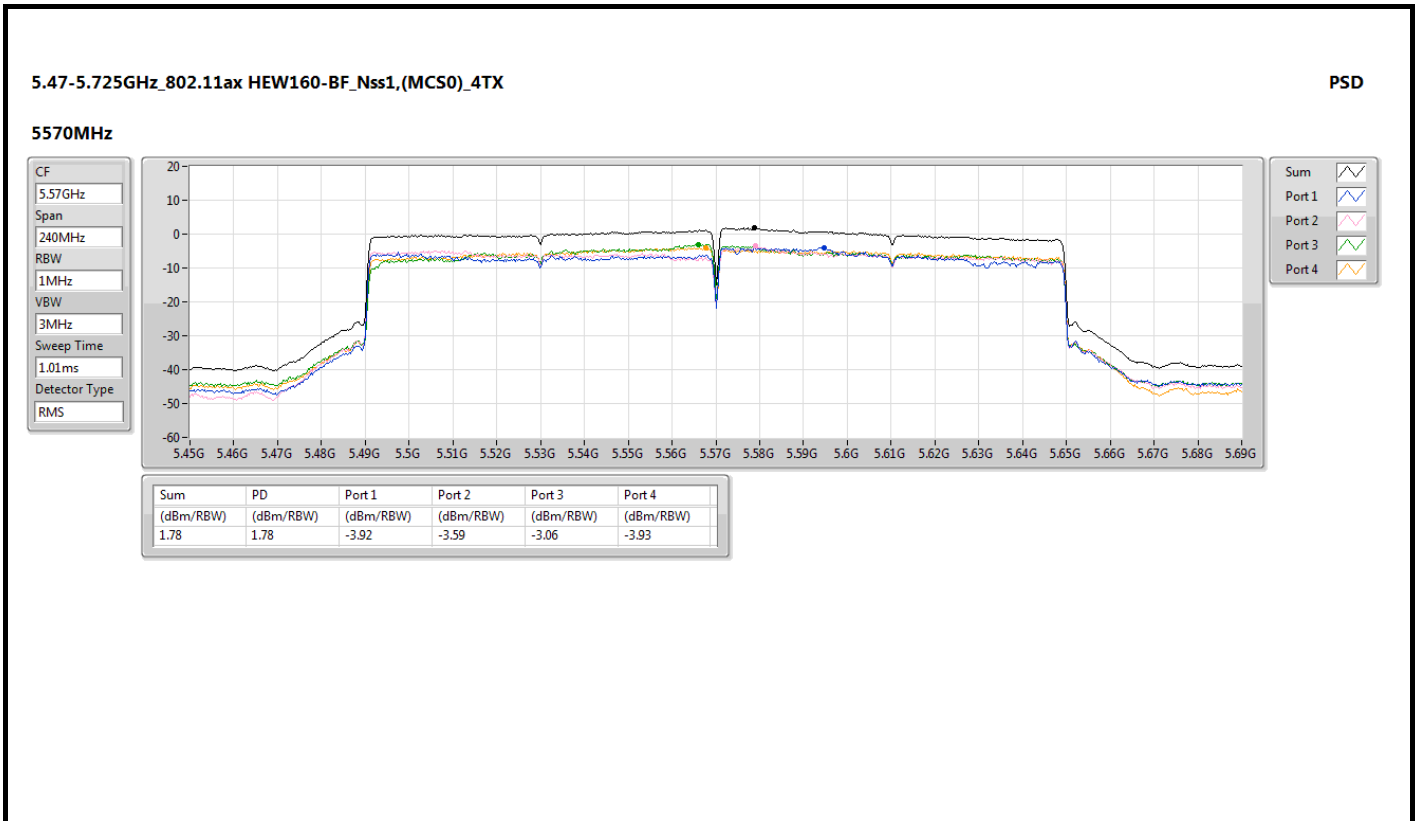














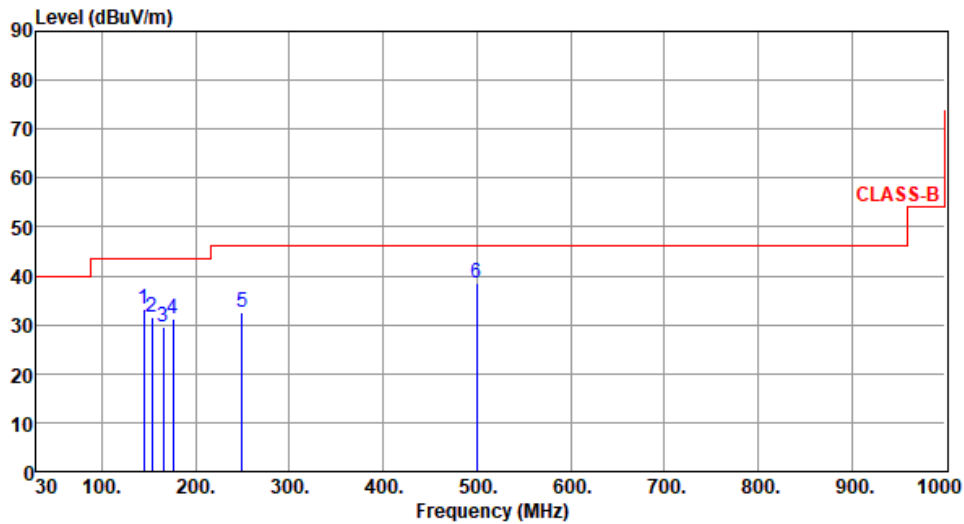
**Non-beamforming mode**

**Test configuration 1: Without SFP, model: SDG-8612**

**Unwanted Emissions (Below 1GHz)**

<b>Modulation</b>	ax HE40	<b>Test Freq. (MHz)</b>	5230
<b>Polarization</b>	Horizontal		

Test By :Sean Yu      Temperature(°C):23      Humidity(%):66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	144.46	33.25	43.50	-10.25	42.27	-9.02	Peak	---	---
2	153.19	31.70	43.50	-11.80	40.73	-9.03	Peak	---	---
3	165.80	29.70	43.50	-13.80	38.91	-9.21	Peak	---	---
4	175.50	31.21	43.50	-12.29	41.13	-9.92	Peak	---	---
5	249.22	32.68	46.00	-13.32	42.77	-10.09	Peak	---	---
6	499.48	38.47	46.00	-7.53	41.69	-3.22	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

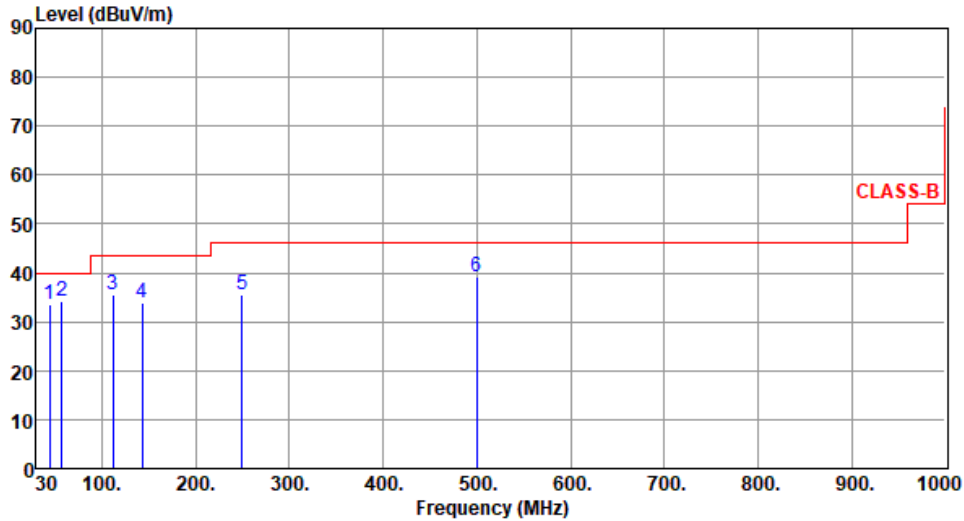
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.



<b>Modulation</b>	ax HE40	<b>Test Freq. (MHz)</b>	5230
<b>Polarization</b>	Vertical		

Test By :Sean Yu      Temperature(°C):23      Humidity(%):66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	44.55	33.65	40.00	-6.35	42.10	-8.45	Peak	---	---
2	57.16	34.31	40.00	-5.69	42.90	-8.59	Peak	---	---
3	111.48	35.52	43.50	-7.98	47.26	-11.74	Peak	---	---
4	142.52	33.95	43.50	-9.55	43.13	-9.18	Peak	---	---
5	249.43	35.66	46.00	-10.34	45.74	-10.08	Peak	---	---
6	499.48	39.11	46.00	-6.89	42.33	-3.22	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

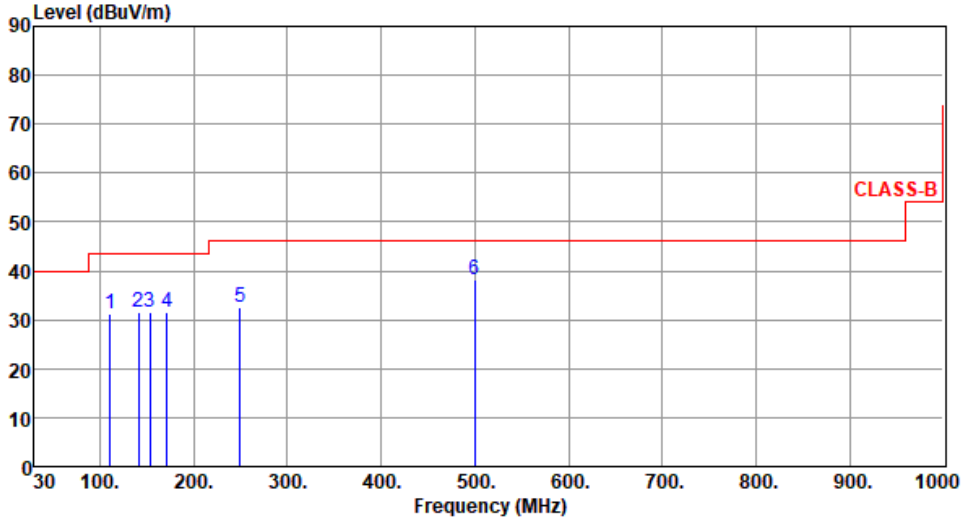
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.





Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		

Test By :Sean Yu      Temperature(°C):23      Humidity(%):66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	110.51	31.22	43.50	-12.28	43.05	-11.83	Peak	---	---
2	141.55	31.48	43.50	-12.02	40.70	-9.22	Peak	---	---
3	153.19	31.70	43.50	-11.80	40.73	-9.03	Peak	---	---
4	171.62	31.62	43.50	-11.88	41.07	-9.45	Peak	---	---
5	249.27	32.64	46.00	-13.36	42.72	-10.08	Peak	---	---
6	499.42	38.11	46.00	-7.89	41.33	-3.22	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

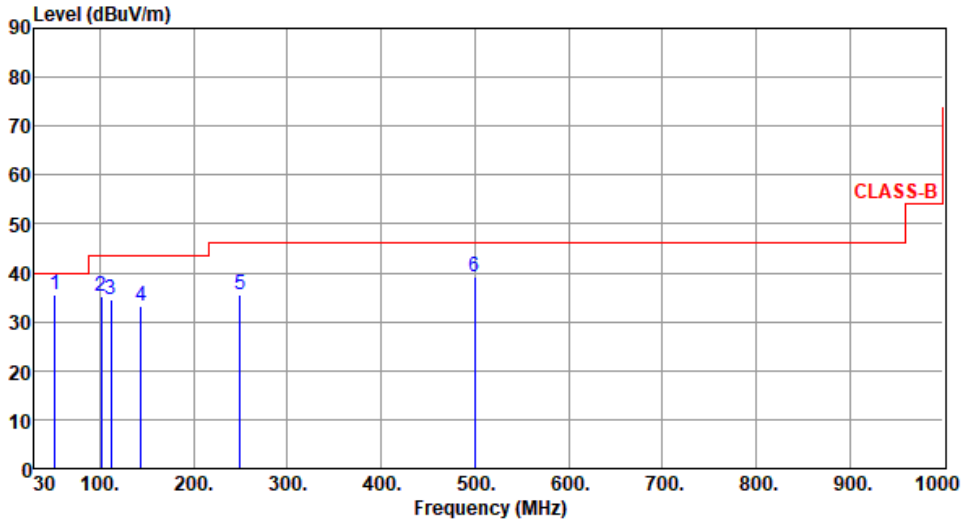
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.



Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		

Test By :Sean Yu      Temperature(°C):23      Humidity(%):66



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	52.33	35.48	40.00	-4.52	43.88	-8.40	Peak	---	---
2	101.78	35.10	43.50	-8.40	48.07	-12.97	Peak	---	---
3	111.48	34.52	43.50	-8.98	46.26	-11.74	Peak	---	---
4	143.49	33.09	43.50	-10.41	42.17	-9.08	Peak	---	---
5	249.27	35.60	46.00	-10.40	45.68	-10.08	Peak	---	---
6	499.51	39.08	46.00	-6.92	42.30	-3.22	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

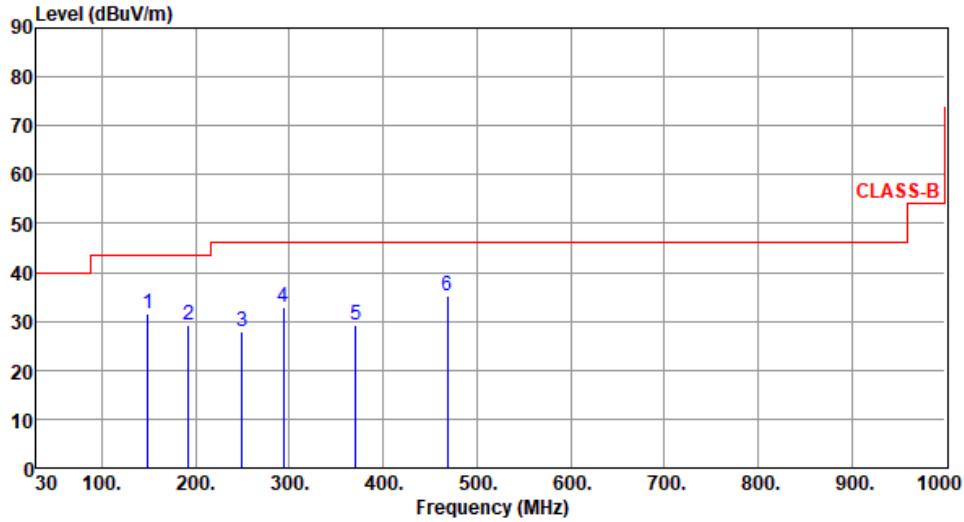


Test configuration 2: With SFP, model: SDG-8614

Unwanted Emissions (Below 1GHz)

Modulation	ax HE40	Test Freq. (MHz)	5230
Polarization	Horizontal		

Test By : Sean Yu      Temperature(°C): 24      Humidity(%): 62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	149.31	31.46	43.50	-12.04	40.39	-8.93	Peak	---	---
2	191.99	29.13	43.50	-14.37	40.63	-11.50	Peak	---	---
3	249.22	27.92	46.00	-18.08	38.01	-10.09	Peak	---	---
4	293.84	32.84	46.00	-13.16	41.17	-8.33	Peak	---	---
5	370.47	29.29	46.00	-16.71	35.74	-6.45	Peak	---	---
6	468.44	35.32	46.00	-10.68	39.16	-3.84	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor, cable loss and amplifier gain

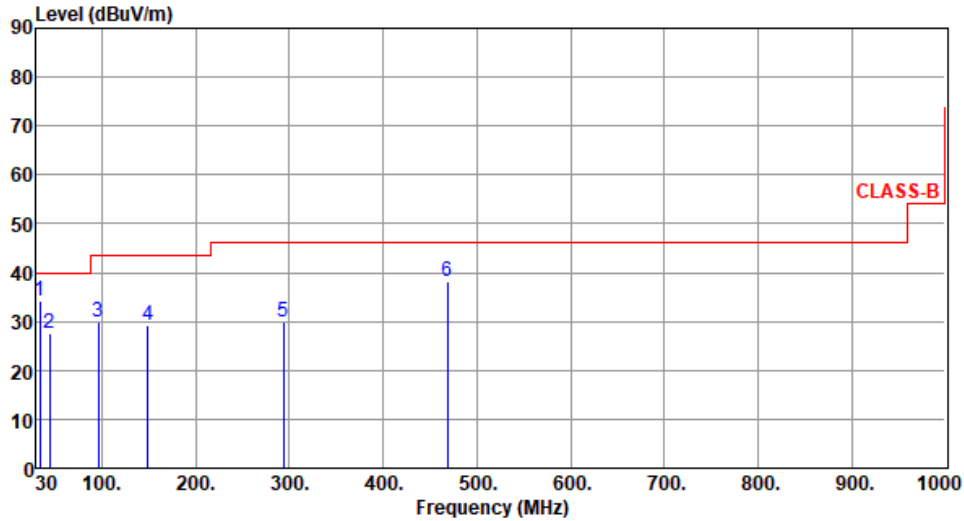
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.



<b>Modulation</b>	ax HE40	<b>Test Freq. (MHz)</b>	5230
<b>Polarization</b>	Vertical		

Test By :Sean Yu      Temperature(°C):24      Humidity(%):62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	33.88	34.15	40.00	-5.85	43.70	-9.55	Peak	---	---
2	44.15	27.69	40.00	-12.31	36.31	-8.62	QP	100	12
3	95.96	30.02	43.50	-13.48	43.89	-13.87	Peak	---	---
4	149.31	29.37	43.50	-14.13	38.30	-8.93	Peak	---	---
5	293.84	29.91	46.00	-16.09	38.24	-8.33	Peak	---	---
6	468.44	38.25	46.00	-7.75	42.09	-3.84	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

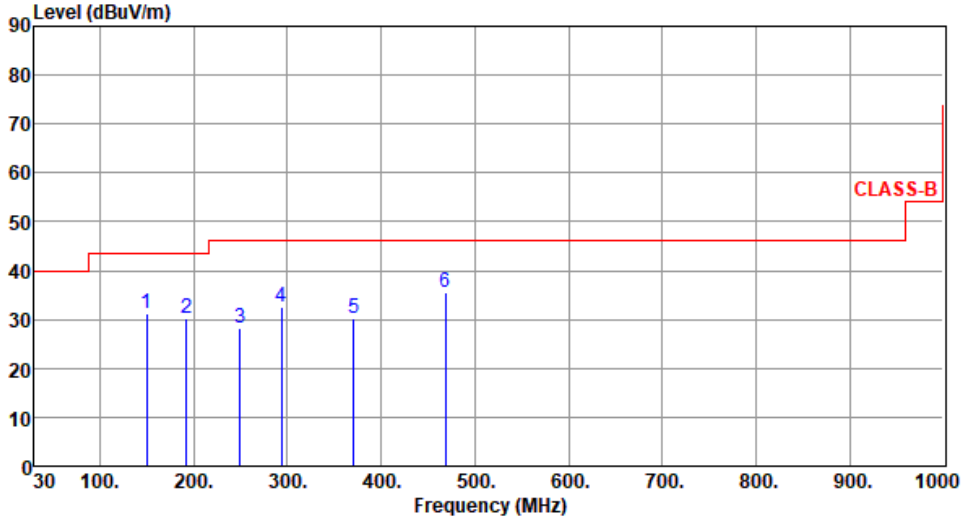
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.



Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal		

Test By :Sean Yu      Temperature(°C):24      Humidity(%):62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	149.46	31.28	43.50	-12.22	40.19	-8.91	Peak	---	---
2	192.56	30.34	43.50	-13.16	41.89	-11.55	Peak	---	---
3	249.31	28.15	46.00	-17.85	38.23	-10.08	Peak	---	---
4	293.72	32.66	46.00	-13.34	41.00	-8.34	Peak	---	---
5	370.55	30.33	46.00	-15.67	36.78	-6.45	Peak	---	---
6	468.25	35.49	46.00	-10.51	39.34	-3.85	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.



<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5745																																																																							
<b>Polarization</b>	Vertical																																																																									
Test By : Sean Yu      Temperature(°C): 24      Humidity(%): 62																																																																										
<p>The graph plots Level (dBuV/m) on the y-axis (0 to 90) against Frequency (MHz) on the x-axis (30 to 1000). A red step function represents the CLASS-B limit. Six blue vertical lines indicate peak emissions at 33.72, 44.31, 95.59, 149.28, 293.54, and 468.71 MHz.</p>																																																																										
	<table border="1"> <thead> <tr> <th></th> <th>Freq. MHz</th> <th>Emission level dBuV/m</th> <th>Limit dBuV/m</th> <th>Margin dB</th> <th>SA reading dBuV</th> <th>Factor dB/m</th> <th>Remark</th> <th>ANT High cm</th> <th>Turn Table deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>33.72</td> <td>34.35</td> <td>40.00</td> <td>-5.65</td> <td>43.95</td> <td>-9.60</td> <td>Peak</td> <td>---</td> <td>---</td> </tr> <tr> <td>2</td> <td>44.31</td> <td>27.95</td> <td>40.00</td> <td>-12.05</td> <td>36.50</td> <td>-8.55</td> <td>QP</td> <td>100</td> <td>11</td> </tr> <tr> <td>3</td> <td>95.59</td> <td>29.86</td> <td>43.50</td> <td>-13.64</td> <td>43.87</td> <td>-14.01</td> <td>Peak</td> <td>---</td> <td>---</td> </tr> <tr> <td>4</td> <td>149.28</td> <td>29.44</td> <td>43.50</td> <td>-14.06</td> <td>38.37</td> <td>-8.93</td> <td>Peak</td> <td>---</td> <td>---</td> </tr> <tr> <td>5</td> <td>293.54</td> <td>30.22</td> <td>46.00</td> <td>-15.78</td> <td>38.56</td> <td>-8.34</td> <td>Peak</td> <td>---</td> <td>---</td> </tr> <tr> <td>6</td> <td>468.71</td> <td>37.96</td> <td>46.00</td> <td>-8.04</td> <td>41.80</td> <td>-3.84</td> <td>Peak</td> <td>---</td> <td>---</td> </tr> </tbody> </table>		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	33.72	34.35	40.00	-5.65	43.95	-9.60	Peak	---	---	2	44.31	27.95	40.00	-12.05	36.50	-8.55	QP	100	11	3	95.59	29.86	43.50	-13.64	43.87	-14.01	Peak	---	---	4	149.28	29.44	43.50	-14.06	38.37	-8.93	Peak	---	---	5	293.54	30.22	46.00	-15.78	38.56	-8.34	Peak	---	---	6	468.71	37.96	46.00	-8.04	41.80	-3.84	Peak	---	---			
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																	
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m). Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.																																																																										



Unwanted Emissions (Above 1GHz) for 11a

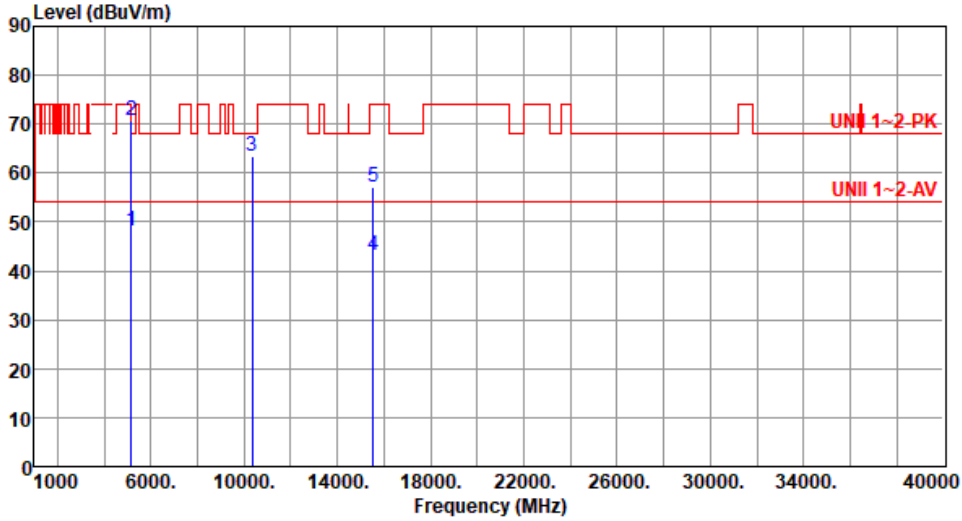
Modulation	11a	Test Freq. (MHz)	5180						
Polarization	Horizontal								
Test By :Paul Lin      Temperature(°C):25      Humidity(%):62									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.19	54.00	-8.81	45.05	0.14	Average	236	243
2	5150.00	63.45	74.00	-10.55	63.31	0.14	Peak	236	243
3	10360.00	62.24	68.20	-5.96	55.23	7.01	Peak	110	336
4	15540.00	43.18	54.00	-10.82	39.13	4.05	Average	100	125
5	15540.00	56.93	74.00	-17.07	52.88	4.05	Peak	100	125

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)  
 \*Factor includes antenna factor , cable loss and amplifier gain  
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11a	Test Freq. (MHz)	5180
Polarization	Vertical		

Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	48.16	54.00	-5.84	48.02	0.14	Average	130	135
2	5150.00	70.74	74.00	-3.26	70.60	0.14	Peak	130	135
3	10360.00	63.46	68.20	-4.74	56.45	7.01	Peak	100	317
4	15540.00	43.27	54.00	-10.73	39.22	4.05	Average	100	100
5	15540.00	57.23	74.00	-16.77	53.18	4.05	Peak	100	100

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

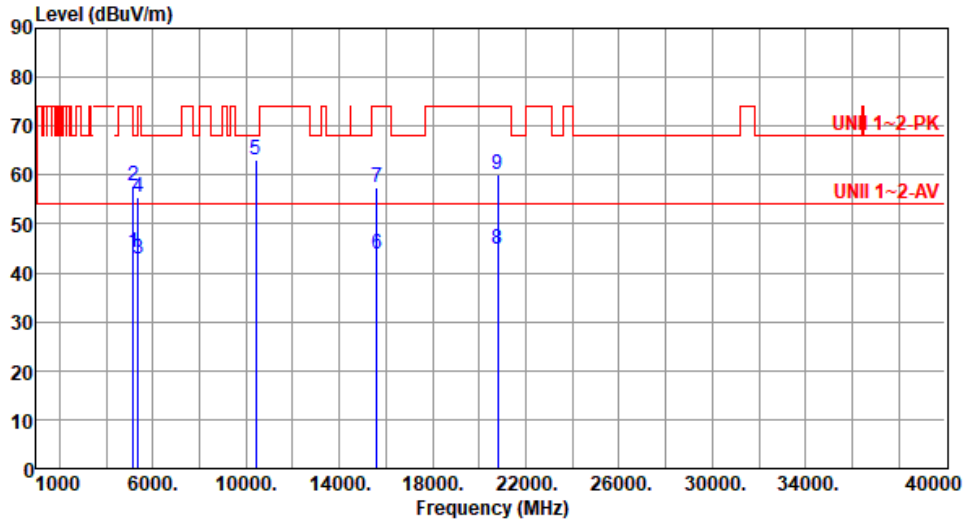
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).





Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal		

Test By :Paul Lin      Temperature(°C):25      Humidity(%):62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.11	54.00	-9.89	43.97	0.14	Average	240	279
2	5150.00	57.67	74.00	-16.33	57.53	0.14	Peak	240	279
3	5350.00	42.83	54.00	-11.17	43.12	-0.29	Average	240	279
4	5350.00	55.39	74.00	-18.61	55.68	-0.29	Peak	240	279
5	10400.00	63.18	68.20	-5.02	56.07	7.11	Peak	109	335
6	15600.00	43.69	54.00	-10.31	39.84	3.85	Average	100	27
7	15600.00	57.31	74.00	-16.69	53.46	3.85	Peak	100	27
8	20800.00	44.70	54.00	-9.30	42.17	2.53	Average	109	106
9	20800.00	60.24	74.00	-13.76	57.71	2.53	Peak	109	106

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5200						
<b>Polarization</b>	Vertical								
Test By :Paul Lin      Temperature(°C):25      Humidity(%):62									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5150.00	45.70	54.00	-8.30	45.56	0.14	Average	100	6
2	5150.00	64.40	74.00	-9.60	64.26	0.14	Peak	100	6
3	5350.00	43.48	54.00	-10.52	43.77	-0.29	Average	100	6
4	5350.00	57.03	74.00	-16.97	57.32	-0.29	Peak	100	6
5	10400.00	63.93	68.20	-4.27	56.82	7.11	Peak	100	312
6	15600.00	43.32	54.00	-10.68	39.47	3.85	Average	100	129
7	15600.00	57.33	74.00	-16.67	53.48	3.85	Peak	100	129
8	20800.00	44.12	54.00	-9.88	41.59	2.53	Average	247	112
9	20800.00	59.73	74.00	-14.27	57.20	2.53	Peak	247	112

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

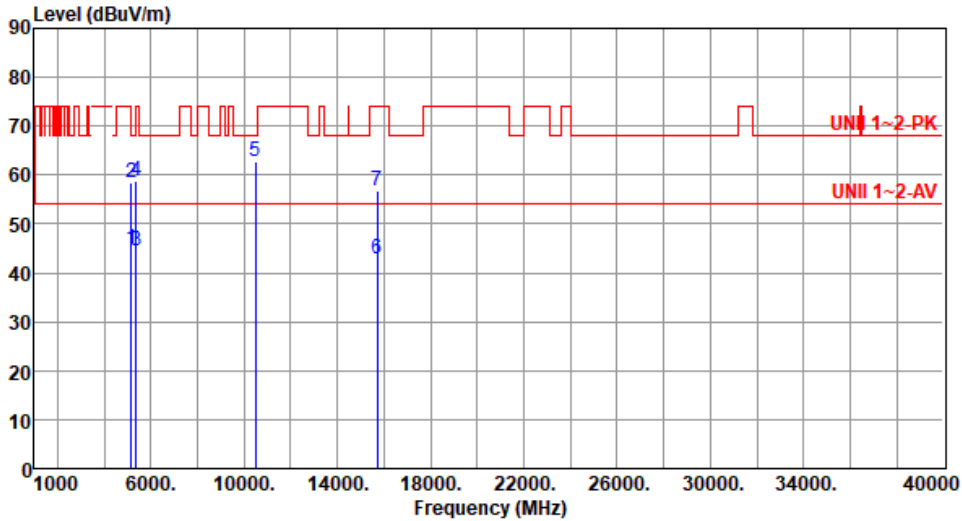
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal		

Test By :Paul Lin      Temperature(°C):25      Humidity(%):62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.74	54.00	-9.26	44.60	0.14	Average	249	275
2	5150.00	58.32	74.00	-15.68	58.18	0.14	Peak	249	275
3	5350.00	44.47	54.00	-9.53	44.76	-0.29	Average	249	275
4	5350.00	58.88	74.00	-15.12	59.17	-0.29	Peak	249	275
5	10480.00	62.91	68.20	-5.29	55.74	7.17	Peak	105	335
6	15720.00	42.99	54.00	-11.01	39.16	3.83	Average	100	196
7	15720.00	56.94	74.00	-17.06	53.11	3.83	Peak	100	196

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

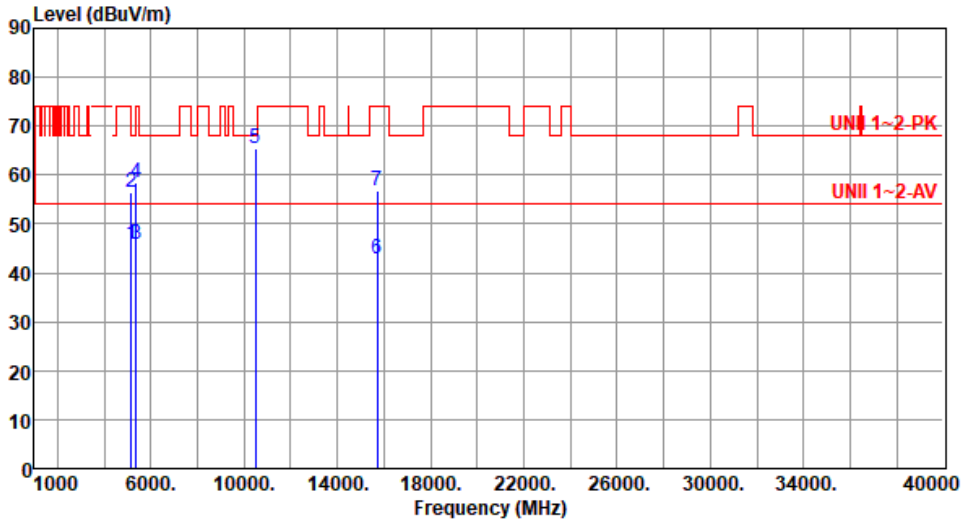
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical		

Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.80	54.00	-8.20	45.66	0.14	Average	100	10
2	5150.00	56.44	74.00	-17.56	56.30	0.14	Peak	100	10
3	5350.00	45.88	54.00	-8.12	46.17	-0.29	Average	100	10
4	5350.00	58.33	74.00	-15.67	58.62	-0.29	Peak	100	10
5	10480.00	65.32	68.20	-2.88	58.15	7.17	Peak	100	312
6	15720.00	42.99	54.00	-11.01	39.16	3.83	Average	100	112
7	15720.00	56.77	74.00	-17.23	52.94	3.83	Peak	100	112

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

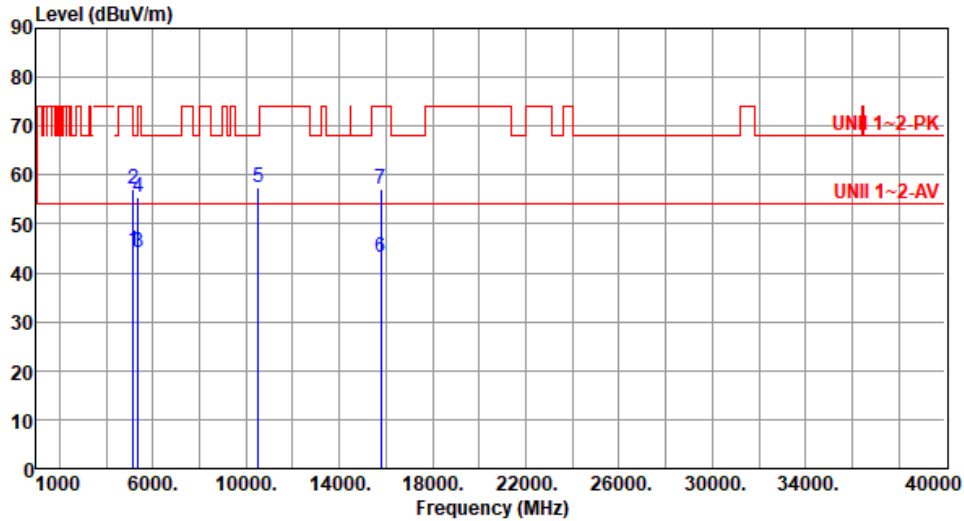
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal		

Test By :Paul Lin      Temperature(°C):25      Humidity(%):62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.54	54.00	-9.46	44.40	0.14	Average	236	281
2	5150.00	57.18	74.00	-16.82	57.04	0.14	Peak	236	281
3	5350.00	44.09	54.00	-9.91	44.38	-0.29	Average	236	281
4	5350.00	55.45	74.00	-18.55	55.74	-0.29	Peak	236	281
5	10520.00	57.36	68.20	-10.84	50.17	7.19	Peak	100	344
6	15780.00	43.12	54.00	-10.88	39.25	3.87	Average	100	127
7	15780.00	57.18	74.00	-16.82	53.31	3.87	Peak	100	127

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

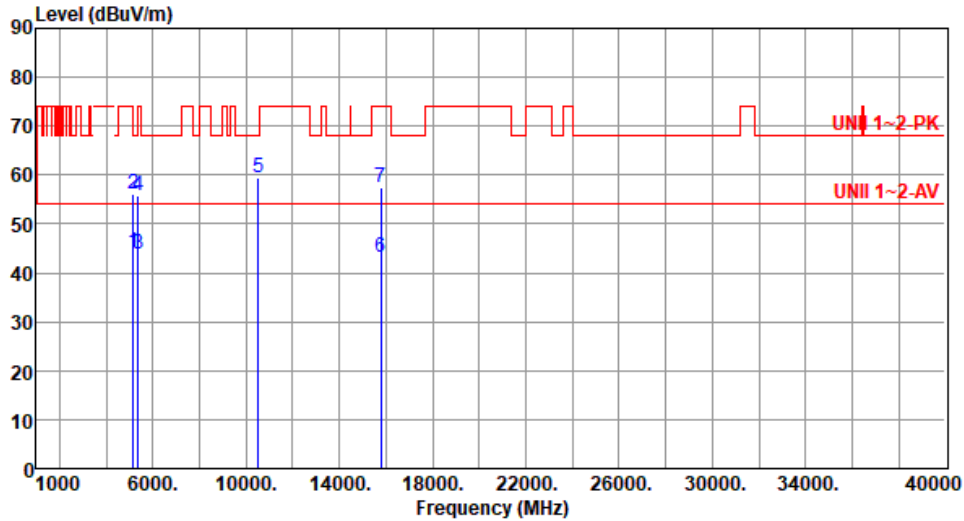
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical		

Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.29	54.00	-9.71	44.15	0.14	Average	100	16
2	5150.00	56.02	74.00	-17.98	55.88	0.14	Peak	100	16
3	5350.00	44.00	54.00	-10.00	44.29	-0.29	Average	100	16
4	5350.00	55.72	74.00	-18.28	56.01	-0.29	Peak	100	16
5	10520.00	59.31	68.20	-8.89	52.12	7.19	Peak	100	313
6	15780.00	43.15	54.00	-10.85	39.28	3.87	Average	100	116
7	15780.00	57.54	74.00	-16.46	53.67	3.87	Peak	100	116

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

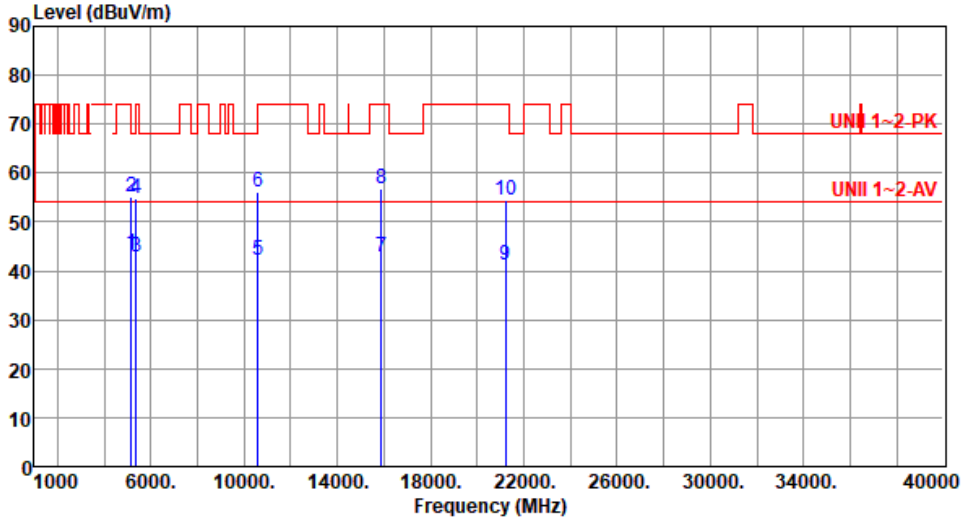
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal		

Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	43.39	54.00	-10.61	43.25	0.14	Average	222	278
2	5150.00	55.23	74.00	-18.77	55.09	0.14	Peak	222	278
3	5350.00	42.98	54.00	-11.02	43.27	-0.29	Average	222	278
4	5350.00	54.77	74.00	-19.23	55.06	-0.29	Peak	222	278
5	10600.00	42.09	54.00	-11.91	34.92	7.17	Average	111	335
6	10600.00	56.19	74.00	-17.81	49.02	7.17	Peak	111	335
7	15900.00	42.99	54.00	-11.01	38.94	4.05	Average	100	176
8	15900.00	56.88	74.00	-17.12	52.83	4.05	Peak	100	176
9	21200.00	41.02	54.00	-12.98	37.73	3.29	Average	100	120
10	21200.00	54.49	74.00	-19.51	51.20	3.29	Peak	100	120

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



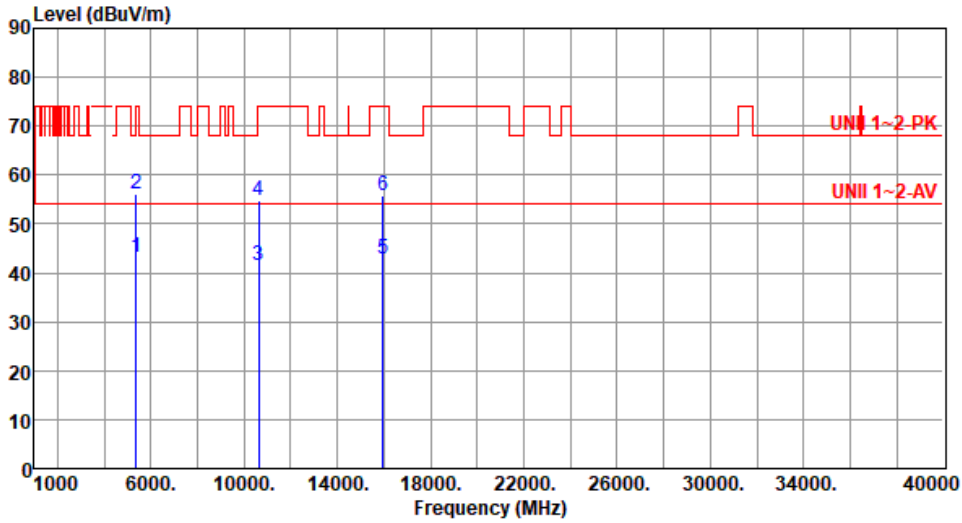
<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5300						
<b>Polarization</b>	Vertical								
Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5150.00	43.71	54.00	-10.29	43.57	0.14	Average	102	7
2	5150.00	55.41	74.00	-18.59	55.27	0.14	Peak	102	7
3	5350.00	43.18	54.00	-10.82	43.47	-0.29	Average	102	7
4	5350.00	55.47	74.00	-18.53	55.76	-0.29	Peak	102	7
5	10600.00	42.93	54.00	-11.07	35.76	7.17	Average	100	312
6	10600.00	56.94	74.00	-17.06	49.77	7.17	Peak	100	312
7	15900.00	43.17	54.00	-10.83	39.12	4.05	Average	100	108
8	15900.00	56.42	74.00	-17.58	52.37	4.05	Peak	100	108
9	21200.00	41.12	54.00	-12.88	37.83	3.29	Average	100	156
10	21200.00	54.67	74.00	-19.33	51.38	3.29	Peak	100	156
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									





Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal		

Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	43.02	54.00	-10.98	43.31	-0.29	Average	242	232
2	5350.00	56.16	74.00	-17.84	56.45	-0.29	Peak	242	232
3	10640.00	41.39	54.00	-12.61	34.27	7.12	Average	100	202
4	10640.00	54.70	74.00	-19.30	47.58	7.12	Peak	100	202
5	15960.00	42.70	54.00	-11.30	38.67	4.03	Average	100	155
6	15960.00	55.67	74.00	-18.33	51.64	4.03	Peak	100	155

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

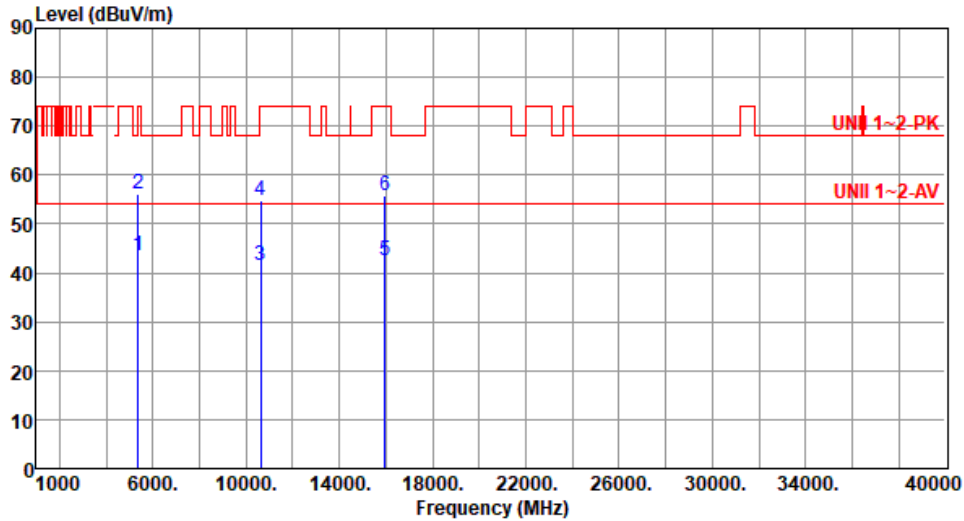
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical		

Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	43.54	54.00	-10.46	43.83	-0.29	Average	100	9
2	5350.00	56.18	74.00	-17.82	56.47	-0.29	Peak	100	9
3	10640.00	41.63	54.00	-12.37	34.51	7.12	Average	100	228
4	10640.00	54.80	74.00	-19.20	47.68	7.12	Peak	100	228
5	15960.00	42.58	54.00	-11.42	38.55	4.03	Average	100	103
6	15960.00	55.82	74.00	-18.18	51.79	4.03	Peak	100	103

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

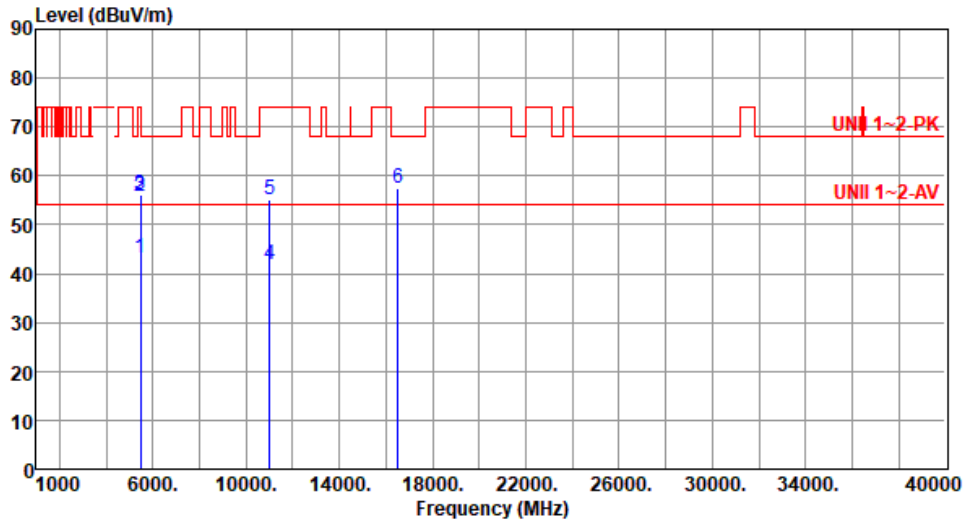
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal		

Test By :Paul Lin      Temperature(°C):25      Humidity(%):62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.25	54.00	-10.75	43.28	-0.03	Average	232	254
2	5460.00	55.81	74.00	-18.19	55.84	-0.03	Peak	232	254
3	5470.00	56.12	68.20	-12.08	56.13	-0.01	Peak	232	254
4	11000.00	41.75	54.00	-12.25	34.26	7.49	Average	100	183
5	11000.00	55.13	74.00	-18.87	47.64	7.49	Peak	100	183
6	16500.00	57.42	68.20	-10.78	51.43	5.99	Peak	100	104

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5500																																																																				
<b>Polarization</b>	Vertical																																																																						
Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62																																																																							
	<table border="1"> <thead> <tr> <th></th> <th>Freq. MHz</th> <th>Emission level dBuV/m</th> <th>Limit dBuV/m</th> <th>Margin dB</th> <th>SA reading dBuV</th> <th>Factor dB/m</th> <th>Remark</th> <th>ANT High cm</th> <th>Turn Table deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5460.00</td> <td>43.52</td> <td>54.00</td> <td>-10.48</td> <td>43.55</td> <td>-0.03</td> <td>Average</td> <td>108</td> <td>17</td> </tr> <tr> <td>2</td> <td>5460.00</td> <td>56.61</td> <td>74.00</td> <td>-17.39</td> <td>56.64</td> <td>-0.03</td> <td>Peak</td> <td>108</td> <td>17</td> </tr> <tr> <td>3</td> <td>5470.00</td> <td>56.72</td> <td>68.20</td> <td>-11.48</td> <td>56.73</td> <td>-0.01</td> <td>Peak</td> <td>108</td> <td>17</td> </tr> <tr> <td>4</td> <td>11000.00</td> <td>41.77</td> <td>54.00</td> <td>-12.23</td> <td>34.28</td> <td>7.49</td> <td>Average</td> <td>100</td> <td>154</td> </tr> <tr> <td>5</td> <td>11000.00</td> <td>55.12</td> <td>74.00</td> <td>-18.88</td> <td>47.63</td> <td>7.49</td> <td>Peak</td> <td>100</td> <td>154</td> </tr> <tr> <td>6</td> <td>16500.00</td> <td>57.37</td> <td>68.20</td> <td>-10.83</td> <td>51.38</td> <td>5.99</td> <td>Peak</td> <td>100</td> <td>116</td> </tr> </tbody> </table>		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5460.00	43.52	54.00	-10.48	43.55	-0.03	Average	108	17	2	5460.00	56.61	74.00	-17.39	56.64	-0.03	Peak	108	17	3	5470.00	56.72	68.20	-11.48	56.73	-0.01	Peak	108	17	4	11000.00	41.77	54.00	-12.23	34.28	7.49	Average	100	154	5	11000.00	55.12	74.00	-18.88	47.63	7.49	Peak	100	154	6	16500.00	57.37	68.20	-10.83	51.38	5.99	Peak	100	116
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																														
1	5460.00	43.52	54.00	-10.48	43.55	-0.03	Average	108	17																																																														
2	5460.00	56.61	74.00	-17.39	56.64	-0.03	Peak	108	17																																																														
3	5470.00	56.72	68.20	-11.48	56.73	-0.01	Peak	108	17																																																														
4	11000.00	41.77	54.00	-12.23	34.28	7.49	Average	100	154																																																														
5	11000.00	55.12	74.00	-18.88	47.63	7.49	Peak	100	154																																																														
6	16500.00	57.37	68.20	-10.83	51.38	5.99	Peak	100	116																																																														
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																							



<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5580						
<b>Polarization</b>	Horizontal								
Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.11	54.00	-10.89	43.14	-0.03	Average	232	247
2	5460.00	55.64	74.00	-18.36	55.67	-0.03	Peak	232	247
3	5470.00	55.87	68.20	-12.33	55.88	-0.01	Peak	232	247
4	5725.00	56.40	68.20	-11.80	55.92	0.48	Peak	232	247
5	11160.00	42.23	54.00	-11.77	35.30	6.93	Average	100	335
6	11160.00	56.00	74.00	-18.00	49.07	6.93	Peak	100	335
7	16740.00	58.93	68.20	-9.27	52.58	6.35	Peak	100	225
8	22320.00	41.75	54.00	-12.25	37.18	4.57	Average	100	195
9	22320.00	54.82	74.00	-19.18	50.25	4.57	Peak	100	195

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)  
 \*Factor includes antenna factor , cable loss and amplifier gain  
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



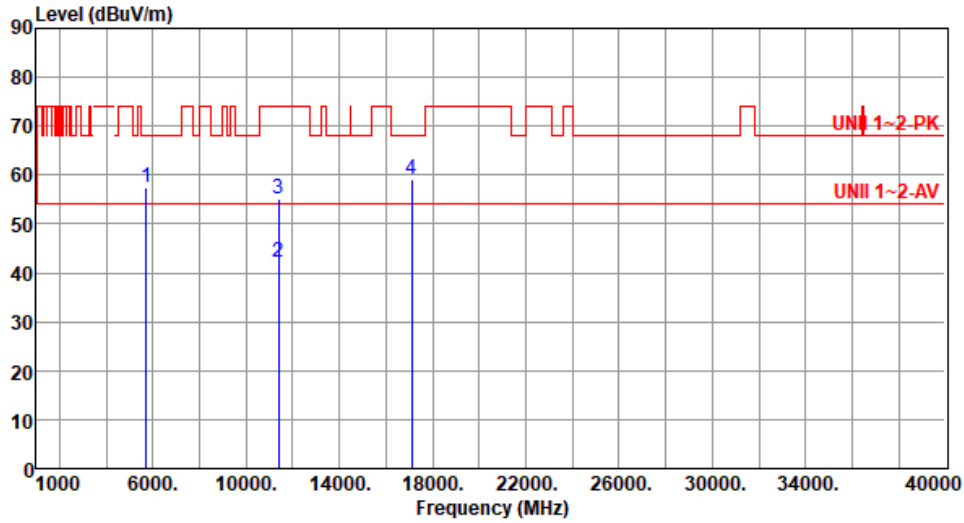
<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5580						
<b>Polarization</b>	Vertical								
Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.08	54.00	-10.92	43.11	-0.03	Average	100	9
2	5460.00	55.53	74.00	-18.47	55.56	-0.03	Peak	100	9
3	5470.00	55.85	68.20	-12.35	55.86	-0.01	Peak	100	9
4	5725.00	57.14	68.20	-11.06	56.66	0.48	Peak	100	9
5	11160.00	42.53	54.00	-11.47	35.60	6.93	Average	100	303
6	11160.00	56.06	74.00	-17.94	49.13	6.93	Peak	100	303
7	16740.00	59.02	68.20	-9.18	52.67	6.35	Peak	100	168
8	22320.00	41.91	54.00	-12.09	37.34	4.57	Average	100	206
9	22320.00	55.05	74.00	-18.95	50.48	4.57	Peak	100	206

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)  
 \*Factor includes antenna factor , cable loss and amplifier gain  
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal		

Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	57.50	68.20	-10.70	57.02	0.48	Peak	229	241
2	11400.00	42.14	54.00	-11.86	35.12	7.02	Average	100	206
3	11400.00	55.26	74.00	-18.74	48.24	7.02	Peak	100	206
4	17100.00	59.06	68.20	-9.14	53.11	5.95	Peak	100	245

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

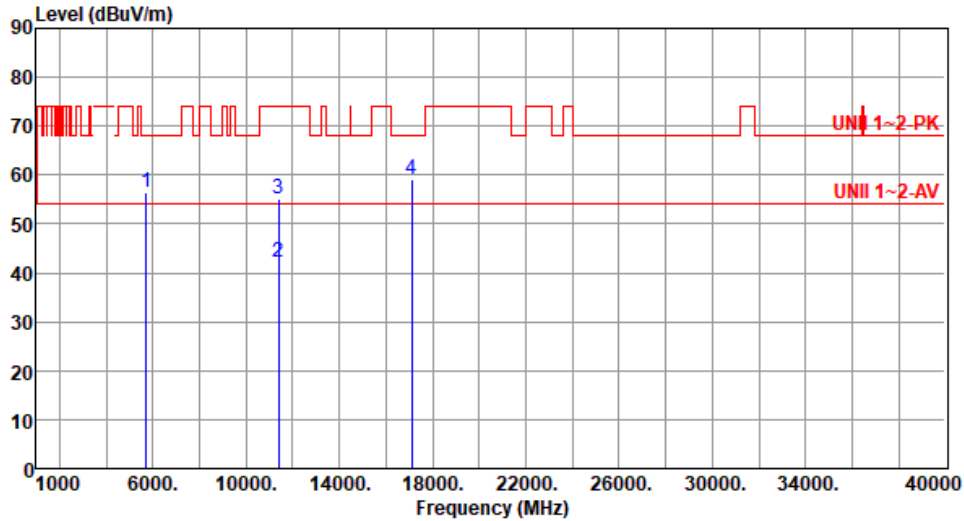
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical		

Test By :Paul Lin      Temperature(°C):25      Humidity(%):62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	56.59	68.20	-11.61	56.11	0.48	Peak	102	9
2	11400.00	42.05	54.00	-11.95	35.03	7.02	Average	100	245
3	11400.00	55.15	74.00	-18.85	48.13	7.02	Peak	100	245
4	17100.00	59.03	68.20	-9.17	53.08	5.95	Peak	100	109

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

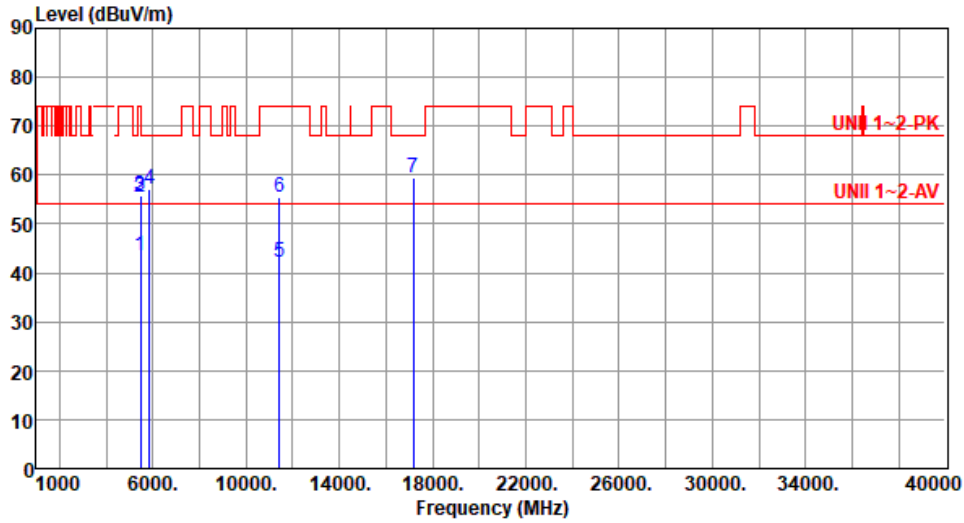
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).





Modulation	11a	Test Freq. (MHz)	5720
Polarization	Horizontal		

Test By :Sean Yu      Temperature(°C):23      Humidity(%):64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.34	54.00	-10.66	43.37	-0.03	Average	227	244
2	5460.00	55.62	74.00	-18.38	55.65	-0.03	Peak	227	244
3	5470.00	55.85	68.20	-12.35	55.86	-0.01	Peak	227	244
4	5850.00	57.01	68.20	-11.19	56.26	0.75	Peak	227	244
5	11440.00	42.29	54.00	-11.71	35.21	7.08	Average	100	178
6	11440.00	55.56	74.00	-18.44	48.48	7.08	Peak	100	178
7	17160.00	59.59	68.20	-8.61	53.53	6.06	Peak	100	213

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5720						
<b>Polarization</b>	Vertical								
Test By : Sean Yu      Temperature(°C): 23      Humidity(%): 64									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.34	54.00	-10.66	43.37	-0.03	Average	100	8
2	5460.00	55.85	74.00	-18.15	55.88	-0.03	Peak	100	8
3	5470.00	55.95	68.20	-12.25	55.96	-0.01	Peak	100	8
4	5850.00	57.10	68.20	-11.10	56.35	0.75	Peak	100	8
5	11440.00	42.31	54.00	-11.69	35.23	7.08	Average	100	158
6	11440.00	55.74	74.00	-18.26	48.66	7.08	Peak	100	158
7	17160.00	59.35	68.20	-8.85	53.29	6.06	Peak	100	158

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)  
 \*Factor includes antenna factor , cable loss and amplifier gain  
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5745						
<b>Polarization</b>	Horizontal								
Test By :Paul Lin      Temperature(°C):25      Humidity(%):62									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.75	68.20	-9.45	58.61	0.14	Peak	230	234
2	5700.00	79.94	105.20	-25.26	79.58	0.36	Peak	230	234
3	5720.00	86.41	110.80	-24.39	85.95	0.46	Peak	230	234
4	5725.00	90.11	122.20	-32.09	89.63	0.48	Peak	230	234
5	5925.00	57.79	68.20	-10.41	56.72	1.07	Peak	230	234
6	11490.00	47.42	54.00	-6.58	40.25	7.17	Average	188	226
7	11490.00	62.37	74.00	-11.63	55.20	7.17	Peak	188	226
8	17235.00	59.26	68.20	-8.94	53.18	6.08	Peak	100	104

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)  
 \*Factor includes antenna factor , cable loss and amplifier gain  
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5745						
<b>Polarization</b>	Vertical								
Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	59.16	68.20	-9.04	59.02	0.14	Peak	101	10
2	5700.00	76.47	105.20	-28.73	76.11	0.36	Peak	101	10
3	5720.00	86.06	110.80	-24.74	85.60	0.46	Peak	101	10
4	5725.00	92.12	122.20	-30.08	91.64	0.48	Peak	101	10
5	5925.00	57.15	68.20	-11.05	56.08	1.07	Peak	101	10
6	11490.00	44.80	54.00	-9.20	37.63	7.17	Average	126	281
7	11490.00	58.38	74.00	-15.62	51.21	7.17	Peak	126	281
8	17235.00	59.24	68.20	-8.96	53.16	6.08	Peak	100	211

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)  
 \*Factor includes antenna factor , cable loss and amplifier gain  
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5785						
<b>Polarization</b>	Horizontal								
Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	55.23	68.20	-12.97	55.09	0.14	Peak	239	239
2	5925.00	57.17	68.20	-11.03	56.10	1.07	Peak	239	239
3	11570.00	47.11	54.00	-6.89	40.16	6.95	Average	182	226
4	11570.00	61.98	74.00	-12.02	55.03	6.95	Peak	182	226
5	17355.00	60.55	68.20	-7.65	54.33	6.22	Peak	100	92
6	23140.00	56.51	68.20	-11.69	50.28	6.23	Peak	254	118
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5785						
<b>Polarization</b>	Vertical								
Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5650.00	56.19	68.20	-12.01	56.05	0.14	Peak	108	7
2	5925.00	57.14	68.20	-11.06	56.07	1.07	Peak	108	7
3	11570.00	44.65	54.00	-9.35	37.70	6.95	Average	125	277
4	11570.00	57.91	74.00	-16.09	50.96	6.95	Peak	125	277
5	17355.00	60.46	68.20	-7.74	54.24	6.22	Peak	100	121
6	23140.00	56.80	68.20	-11.40	50.57	6.23	Peak	341	124
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5825						
<b>Polarization</b>	Horizontal								
Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5650.00	56.61	68.20	-11.59	56.47	0.14	Peak	232	233
2	5850.00	81.59	122.20	-40.61	80.84	0.75	Peak	232	233
3	5855.00	80.42	110.80	-30.38	79.64	0.78	Peak	232	233
4	5875.00	71.12	105.20	-34.08	70.25	0.87	Peak	232	233
5	5925.00	57.41	68.20	-10.79	56.34	1.07	Peak	232	233
6	11650.00	46.78	54.00	-7.22	40.11	6.67	Average	183	221
7	11650.00	61.84	74.00	-12.16	55.17	6.67	Peak	183	221
8	17475.00	59.82	68.20	-8.38	53.24	6.58	Peak	100	208

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)  
 \*Factor includes antenna factor , cable loss and amplifier gain  
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



<b>Modulation</b>	11a	<b>Test Freq. (MHz)</b>	5825						
<b>Polarization</b>	Vertical								
Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	56.91	68.20	-11.29	56.77	0.14	Peak	101	10
2	5850.00	85.90	122.20	-36.30	85.15	0.75	Peak	101	10
3	5855.00	83.50	110.80	-27.30	82.72	0.78	Peak	101	10
4	5875.00	77.04	105.20	-28.16	76.17	0.87	Peak	101	10
5	5925.00	58.61	68.20	-9.59	57.54	1.07	Peak	101	10
6	11650.00	44.35	54.00	-9.65	37.68	6.67	Average	123	278
7	11650.00	57.45	74.00	-16.55	50.78	6.67	Peak	123	278
8	17475.00	59.66	68.20	-8.54	53.08	6.58	Peak	100	113

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)  
 \*Factor includes antenna factor , cable loss and amplifier gain  
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).





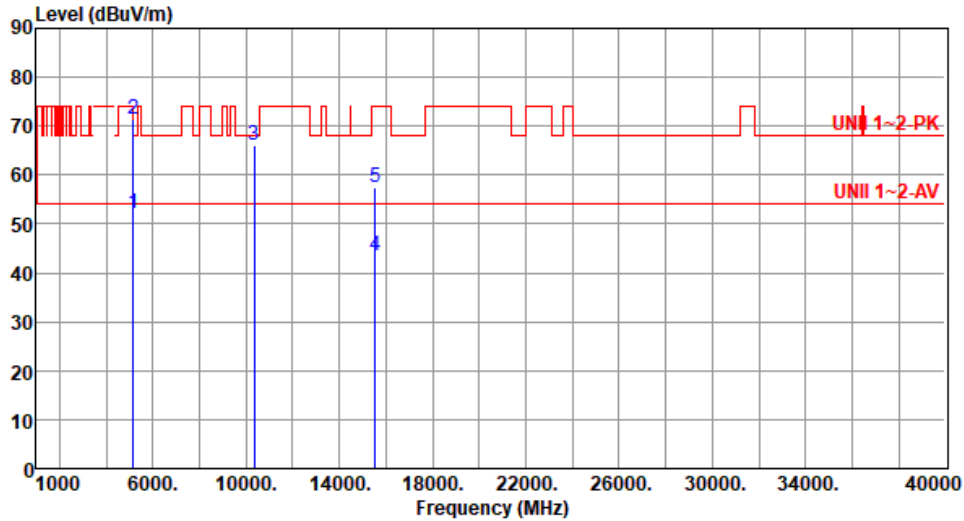
Unwanted Emissions (Above 1GHz) for ax HE20

Modulation	ax HE20	Test Freq. (MHz)	5180						
Polarization	Horizontal								
Test By :Paul Lin      Temperature(°C):25      Humidity(%):62									
<p>The graph plots Level (dBuV/m) on the y-axis (0 to 90) against Frequency (MHz) on the x-axis (1000 to 40000). A red line represents the emission level, showing a series of peaks. Two horizontal red lines represent limits: UNII 1~2-PK at approximately 70 dBuV/m and UNII 1~2-AV at approximately 55 dBuV/m. Five blue vertical lines with arrows point to specific data points labeled 1 through 5.</p>									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	47.61	54.00	-6.39	47.47	0.14	Average	225	222
2	5150.00	65.03	74.00	-8.97	64.89	0.14	Peak	225	222
3	10360.00	65.60	68.20	-2.60	58.59	7.01	Peak	110	337
4	15540.00	43.43	54.00	-10.57	39.38	4.05	Average	100	145
5	15540.00	57.17	74.00	-16.83	53.12	4.05	Peak	100	145
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



Modulation	ax HE20	Test Freq. (MHz)	5180
Polarization	Vertical		

Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	52.11	54.00	-1.89	51.97	0.14	Average	100	10
2	5150.00	71.28	74.00	-2.72	71.14	0.14	Peak	100	10
3	10360.00	66.23	68.20	-1.97	59.22	7.01	Peak	100	317
4	15540.00	43.50	54.00	-10.50	39.45	4.05	Average	100	112
5	15540.00	57.62	74.00	-16.38	53.57	4.05	Peak	100	112

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

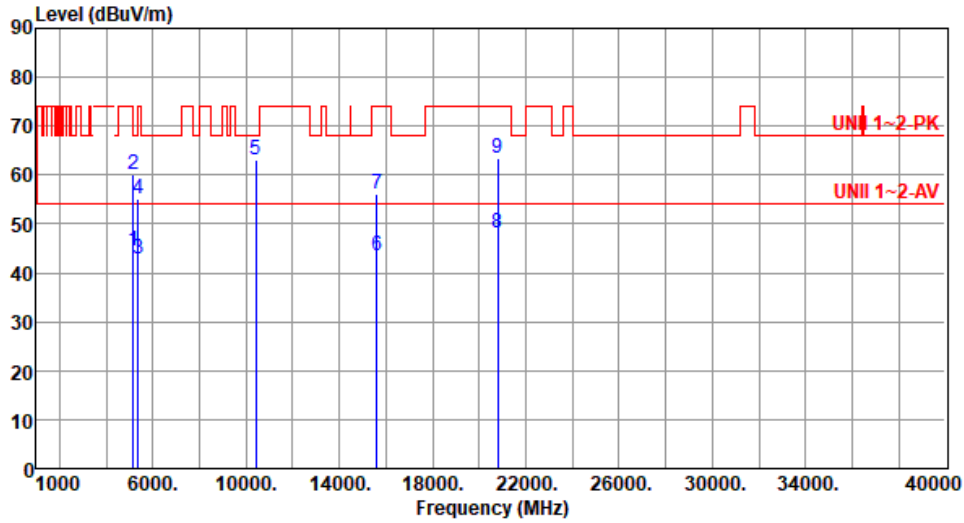
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	ax HE20	Test Freq. (MHz)	5200
Polarization	Horizontal		

Test By :Paul Lin      Temperature(°C):25      Humidity(%):62



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.53	54.00	-9.47	44.39	0.14	Average	225	234
2	5150.00	59.96	74.00	-14.04	59.82	0.14	Peak	225	234
3	5350.00	42.87	54.00	-11.13	43.16	-0.29	Average	225	234
4	5350.00	55.08	74.00	-18.92	55.37	-0.29	Peak	225	234
5	10400.00	62.94	68.20	-5.26	55.83	7.11	Peak	108	340
6	15600.00	43.46	54.00	-10.54	39.61	3.85	Average	100	144
7	15600.00	56.27	74.00	-17.73	52.42	3.85	Peak	100	144
8	20800.00	48.08	54.00	-5.92	45.55	2.53	Average	118	105
9	20800.00	63.52	74.00	-10.48	60.99	2.53	Peak	118	105

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



<b>Modulation</b>	ax HE20		<b>Test Freq. (MHz)</b>	5200					
<b>Polarization</b>	Vertical								
Test By : Paul Lin		Temperature(°C): 25		Humidity(%): 62					
<p>The plot shows a red waveform representing the emission level across a frequency range from 1000 to 40000 MHz. The y-axis is Level (dBuV/m) from 0 to 90. A horizontal red line at approximately 55 dBuV/m is labeled 'UNII 1-2-AV'. Another horizontal red line at approximately 68 dBuV/m is labeled 'UNII 1-2-PK'. Several vertical blue lines are labeled with numbers 2 through 9, corresponding to the data points in the table below.</p>									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5150.00	46.23	54.00	-7.77	46.09	0.14	Average	101	11
2	5150.00	62.43	74.00	-11.57	62.29	0.14	Peak	101	11
3	5350.00	43.63	54.00	-10.37	43.92	-0.29	Average	101	11
4	5350.00	55.58	74.00	-18.42	55.87	-0.29	Peak	101	11
5	10400.00	66.28	68.20	-1.92	59.17	7.11	Peak	100	314
6	15600.00	43.53	54.00	-10.47	39.68	3.85	Average	100	206
7	15600.00	56.32	74.00	-17.68	52.47	3.85	Peak	100	206
8	20800.00	44.51	54.00	-9.49	41.98	2.53	Average	245	114
9	20800.00	60.02	74.00	-13.98	57.49	2.53	Peak	245	114
<p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)            *Factor includes antenna factor , cable loss and amplifier gain            Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p>									



<b>Modulation</b>	ax HE20	<b>Test Freq. (MHz)</b>	5240						
<b>Polarization</b>	Horizontal								
Test By :Paul Lin      Temperature(°C):25      Humidity(%):62									
<p>The plot shows a red line representing the emission level across a frequency range from 1000 to 40000 MHz. A horizontal red line at approximately 55 dBuV/m is labeled 'UNII 1-2-AV'. A red line at approximately 70 dBuV/m is labeled 'UNII 1-2-PK'. Blue vertical lines with labels 2, 3, 4, 5, 6, and 7 indicate specific measurement points. The emission level fluctuates around 70 dBuV/m with several peaks.</p>									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5150.00	43.79	54.00	-10.21	43.65	0.14	Average	209	266
2	5150.00	56.22	74.00	-17.78	56.08	0.14	Peak	209	266
3	5350.00	42.92	54.00	-11.08	43.21	-0.29	Average	209	266
4	5350.00	55.08	74.00	-18.92	55.37	-0.29	Peak	209	266
5	10480.00	63.48	68.20	-4.72	56.31	7.17	Peak	100	337
6	15720.00	43.46	54.00	-10.54	39.63	3.83	Average	100	102
7	15720.00	55.91	74.00	-18.09	52.08	3.83	Peak	100	102
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



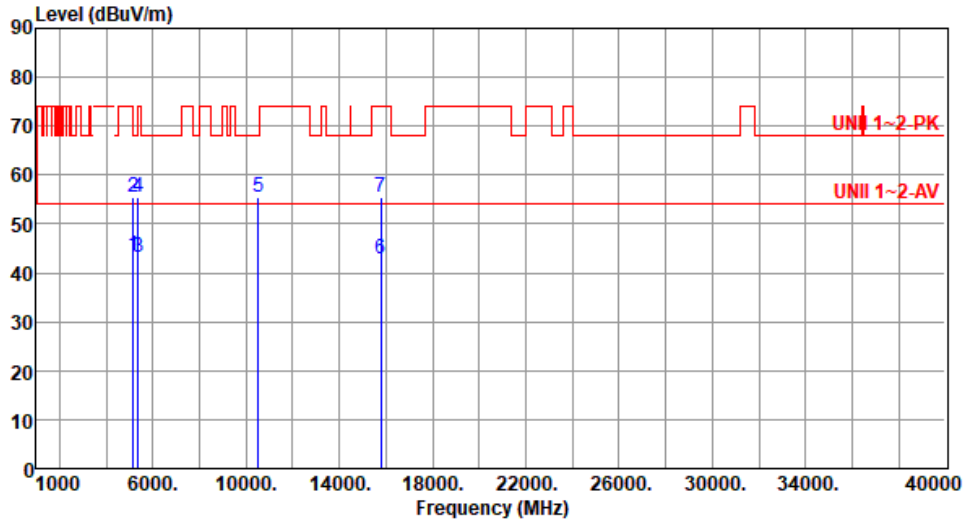
<b>Modulation</b>	ax HE20	<b>Test Freq. (MHz)</b>	5240						
<b>Polarization</b>	Vertical								
Test By : Paul Lin      Temperature(°C): 25      Humidity(%): 62									
<p>The spectrum plot displays the emission level in dBuV/m across a frequency range from 1000 to 40000 MHz. A red line represents the emission level, which fluctuates between approximately 60 and 75 dBuV/m. Two horizontal red lines indicate limits: UNII 1~2-PK at approximately 70 dBuV/m and UNII 1~2-AV at approximately 55 dBuV/m. Several peaks are marked with blue vertical lines and numbered 1 through 7. Peak 1 is at 5150 MHz, peak 2 at 5150 MHz, peak 3 at 5350 MHz, peak 4 at 5350 MHz, peak 5 at 10480 MHz, peak 6 at 15720 MHz, and peak 7 at 15720 MHz.</p>									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5150.00	43.80	54.00	-10.20	43.66	0.14	Average	100	9
2	5150.00	56.80	74.00	-17.20	56.66	0.14	Peak	100	9
3	5350.00	43.75	54.00	-10.25	44.04	-0.29	Average	100	9
4	5350.00	55.48	74.00	-18.52	55.77	-0.29	Peak	100	9
5	10480.00	65.65	68.20	-2.55	58.48	7.17	Peak	100	311
6	15720.00	43.37	54.00	-10.63	39.54	3.83	Average	100	196
7	15720.00	56.62	74.00	-17.38	52.79	3.83	Peak	100	196

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)  
 \*Factor includes antenna factor , cable loss and amplifier gain  
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



<b>Modulation</b>	ax HE20	<b>Test Freq. (MHz)</b>	5260
<b>Polarization</b>	Horizontal		

Test By :Sean Yu      Temperature(°C):23      Humidity(%):64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	43.47	54.00	-10.53	43.33	0.14	Average	243	218
2	5150.00	55.52	74.00	-18.48	55.38	0.14	Peak	243	218
3	5350.00	43.23	54.00	-10.77	43.52	-0.29	Average	243	218
4	5350.00	55.39	74.00	-18.61	55.68	-0.29	Peak	243	218
5	10520.00	55.46	68.20	-12.74	48.27	7.19	Peak	100	31
6	15780.00	42.76	54.00	-11.24	38.89	3.87	Average	100	225
7	15780.00	55.55	74.00	-18.45	51.68	3.87	Peak	100	225

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

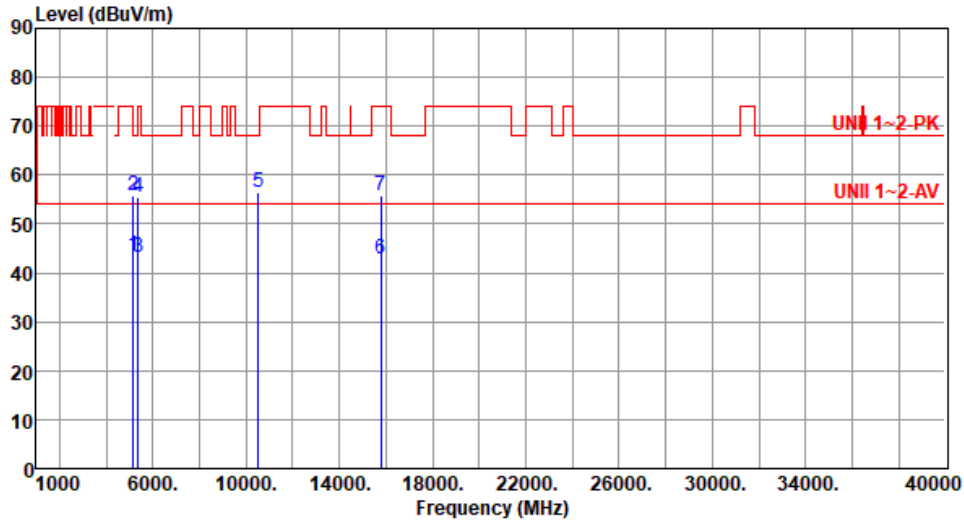
\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	ax HE20	Test Freq. (MHz)	5260
Polarization	Vertical		

Test By :Sean Yu      Temperature(°C):23      Humidity(%):64



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	43.48	54.00	-10.52	43.34	0.14	Average	100	10
2	5150.00	55.85	74.00	-18.15	55.71	0.14	Peak	100	10
3	5350.00	43.29	54.00	-10.71	43.58	-0.29	Average	100	10
4	5350.00	55.50	74.00	-18.50	55.79	-0.29	Peak	100	10
5	10520.00	56.42	68.20	-11.78	49.23	7.19	Peak	102	313
6	15780.00	42.78	54.00	-11.22	38.91	3.87	Average	100	217
7	15780.00	55.65	74.00	-18.35	51.78	3.87	Peak	100	217

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).