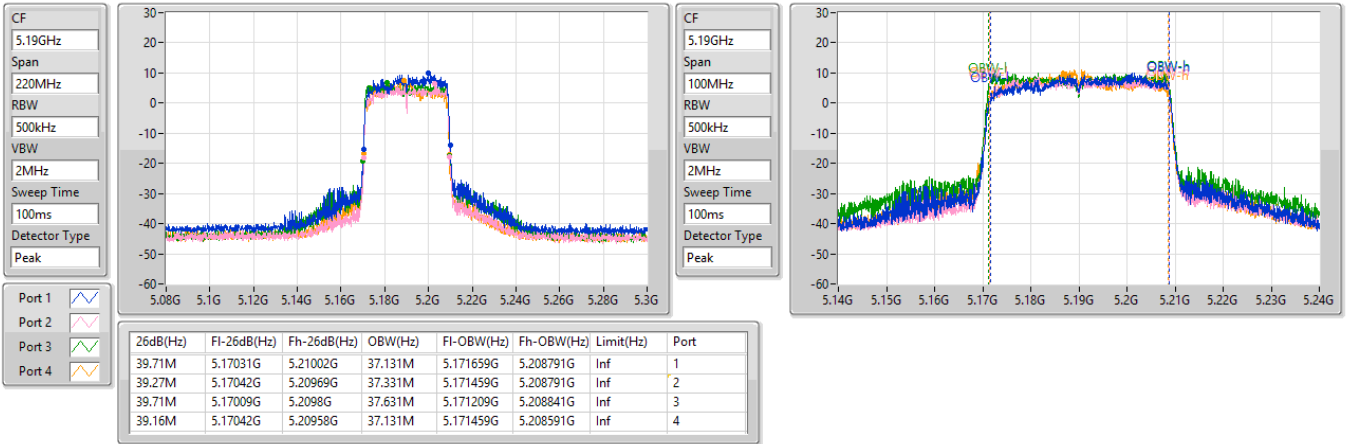




5.15-5.25GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

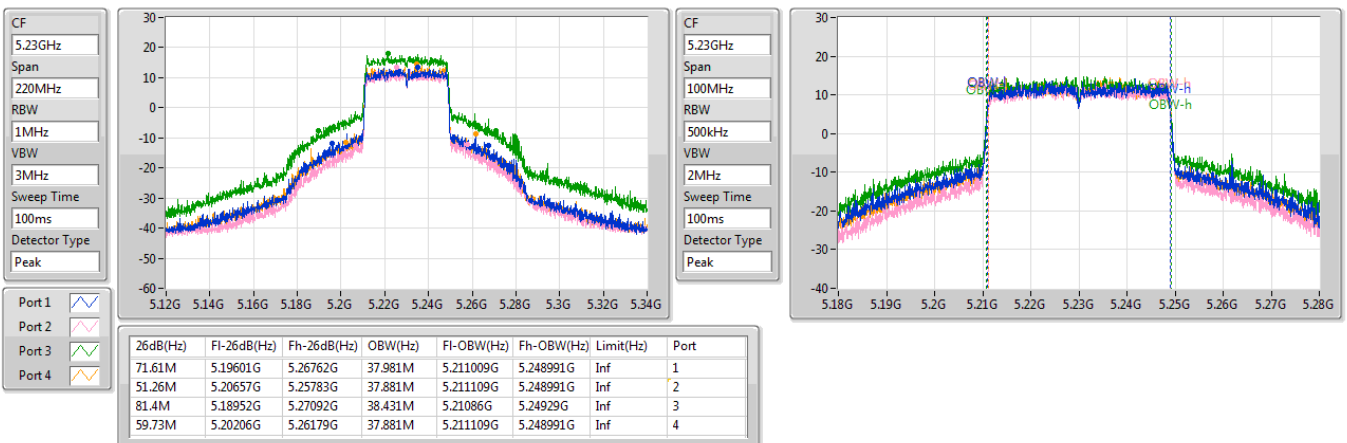
5190MHz



5.15-5.25GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5230MHz



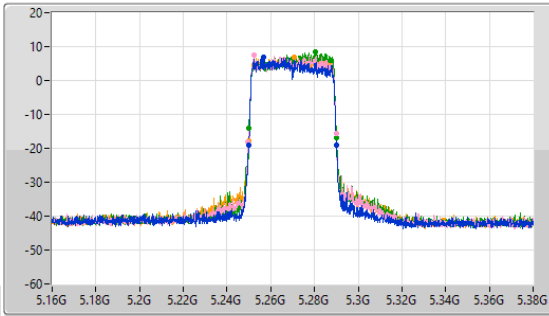


5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

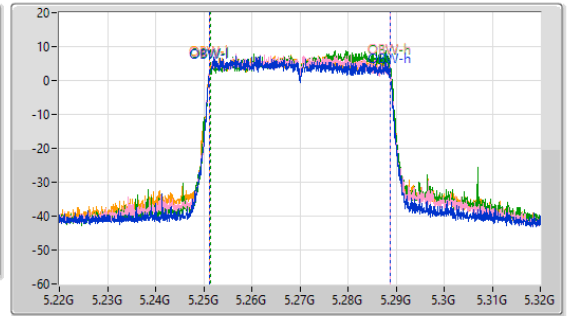
EBW

5270MHz

CF: 5.27GHz
 Span: 220MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



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



Port 1
 Port 2
 Port 3
 Port 4

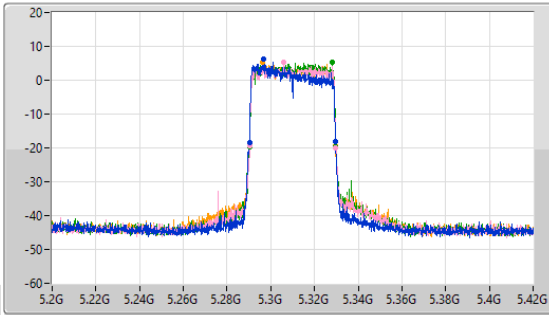
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.04M	5.24987G	5.28991G	37.581M	5.251159G	5.288741G	Inf	1
40.37M	5.24954G	5.28991G	37.581M	5.251209G	5.288791G	Inf	2
40.15M	5.24987G	5.29002G	37.481M	5.251409G	5.288891G	Inf	3
40.15M	5.24998G	5.29013G	37.581M	5.251209G	5.288791G	Inf	4

5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

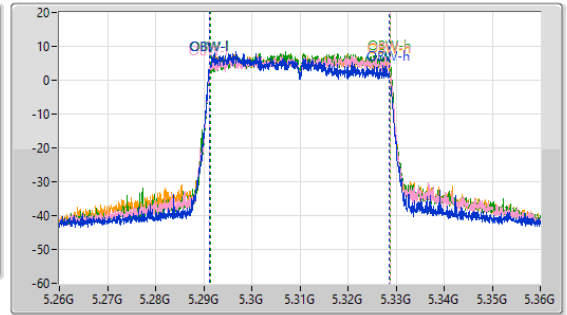
EBW

5310MHz

CF: 5.31GHz
 Span: 220MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



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



Port 1
 Port 2
 Port 3
 Port 4

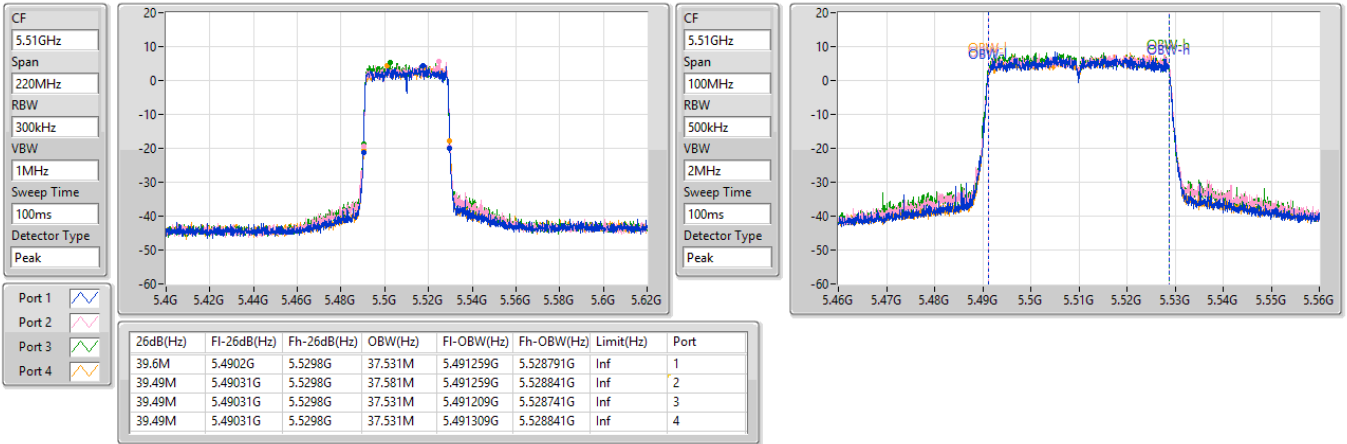
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.38M	5.2902G	5.32958G	37.531M	5.291109G	5.328641G	Inf	1
39.49M	5.29031G	5.3298G	37.531M	5.291259G	5.328791G	Inf	2
39.6M	5.2902G	5.3298G	37.481M	5.291359G	5.328841G	Inf	3
39.49M	5.2902G	5.32969G	37.531M	5.291259G	5.328791G	Inf	4



5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

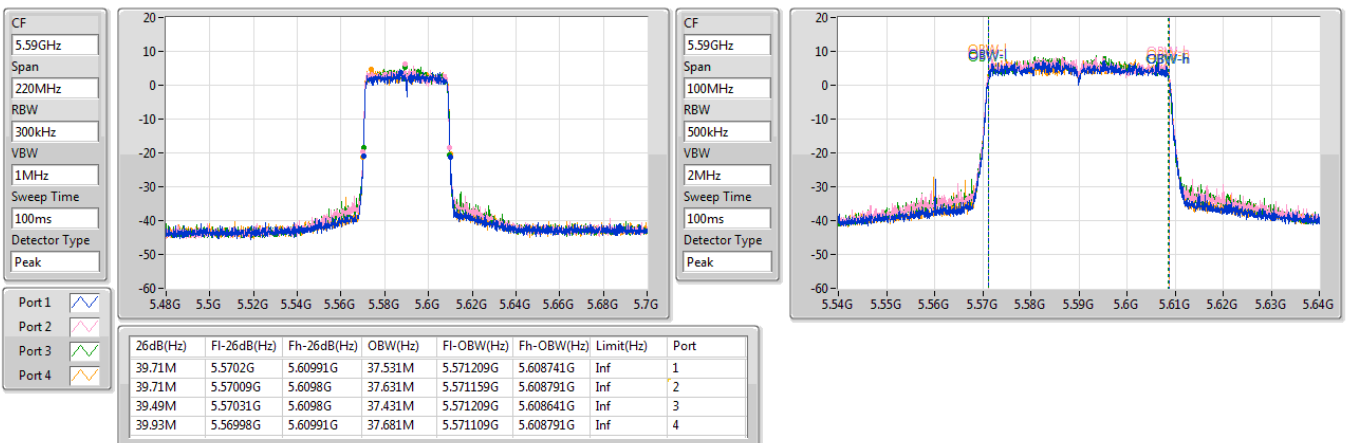
5510MHz



5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5590MHz



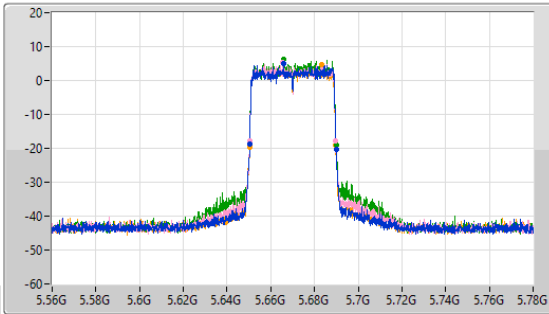


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

CF: 5.67GHz
 Span: 220MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



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



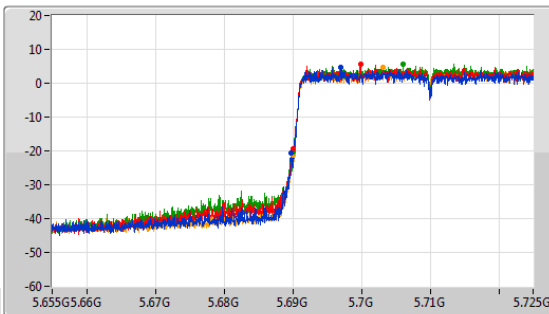
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.65031G	5.68991G	37.581M	5.651259G	5.688841G	Inf	1
39.38M	5.65031G	5.68969G	37.531M	5.651259G	5.688791G	Inf	2
39.6M	5.65031G	5.68991G	37.581M	5.651259G	5.688841G	Inf	3
39.38M	5.65031G	5.68969G	37.531M	5.651259G	5.688791G	Inf	4

5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

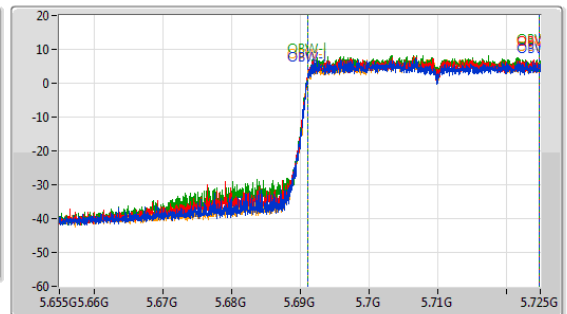
EBW

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



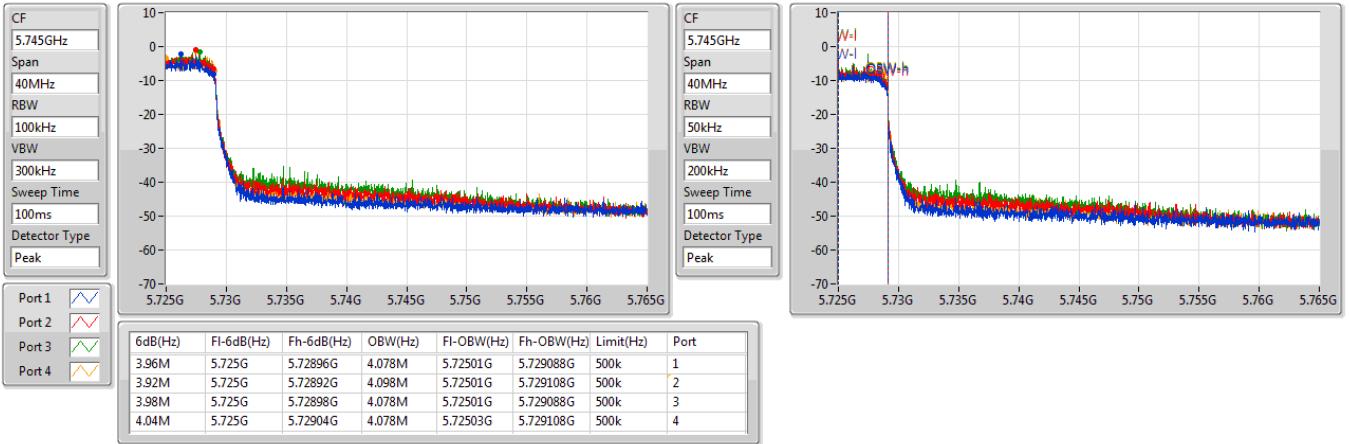
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.245M	5.689755G	5.725G	33.653M	5.691189G	5.724843G	Inf	1
34.93M	5.69007G	5.725G	33.653M	5.691189G	5.724843G	Inf	2
35M	5.69G	5.725G	33.583M	5.691224G	5.724808G	Inf	3
34.86M	5.69014G	5.725G	33.583M	5.691224G	5.724808G	Inf	4



5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

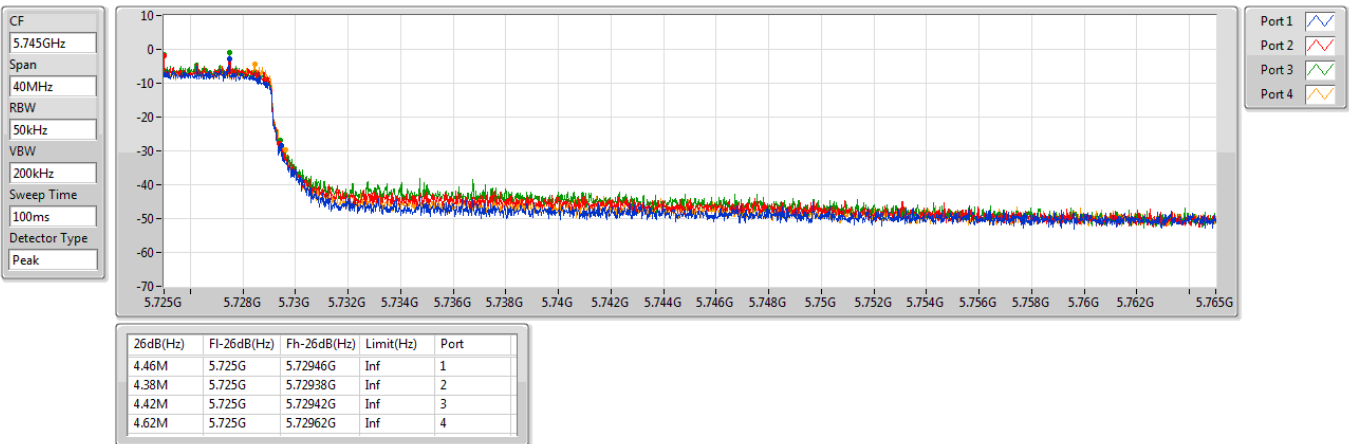
5710MHz Straddle 5.725-5.85GHz

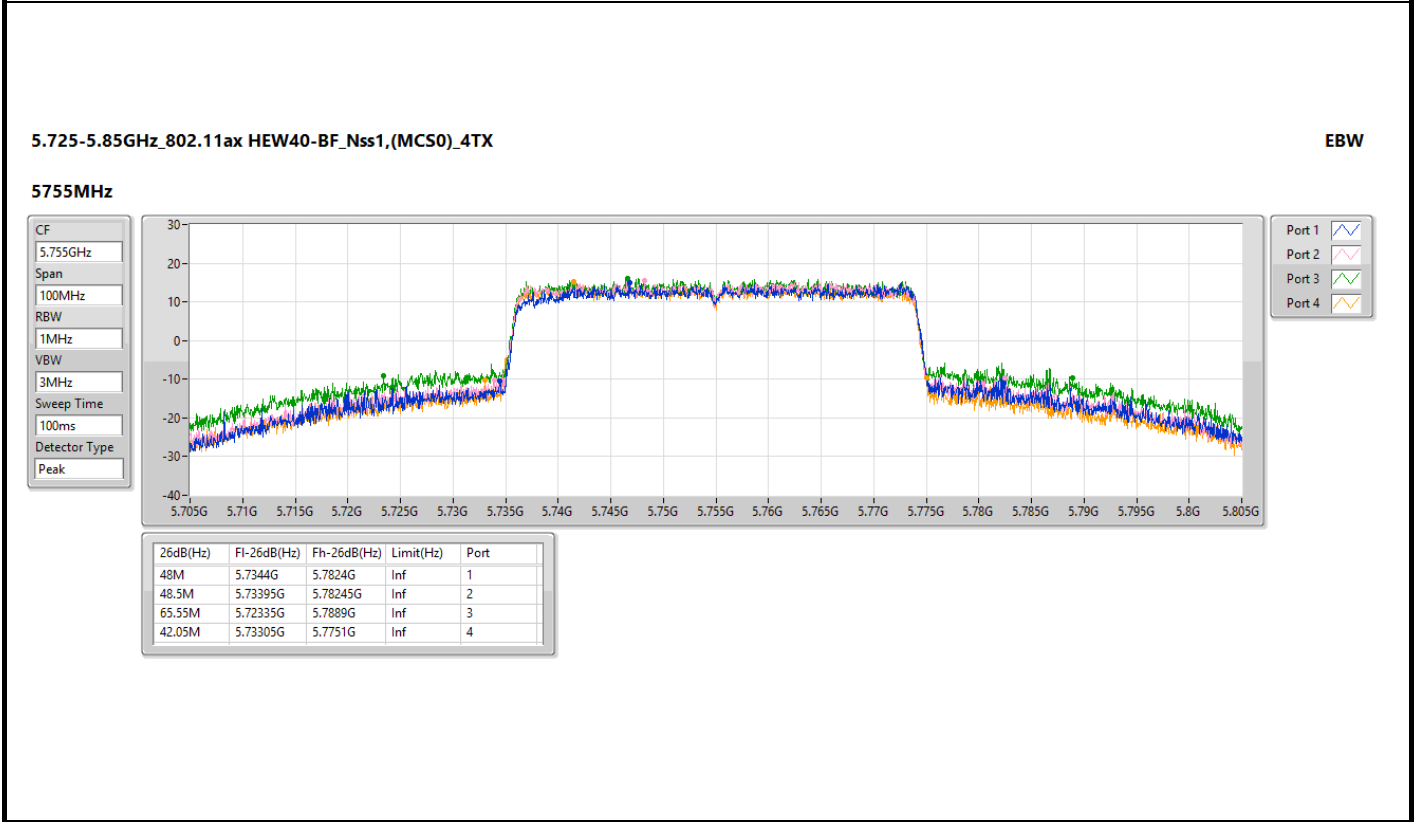
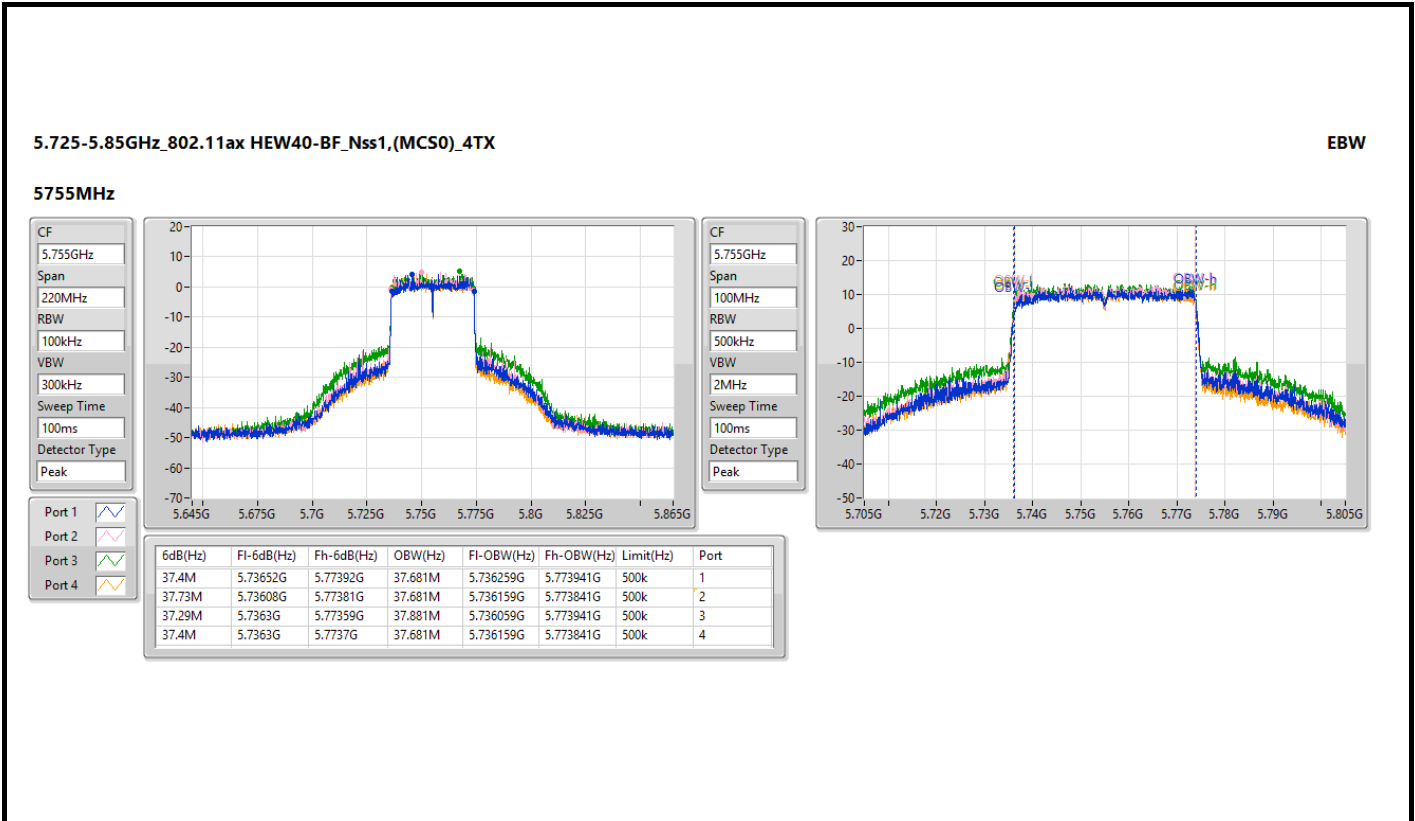


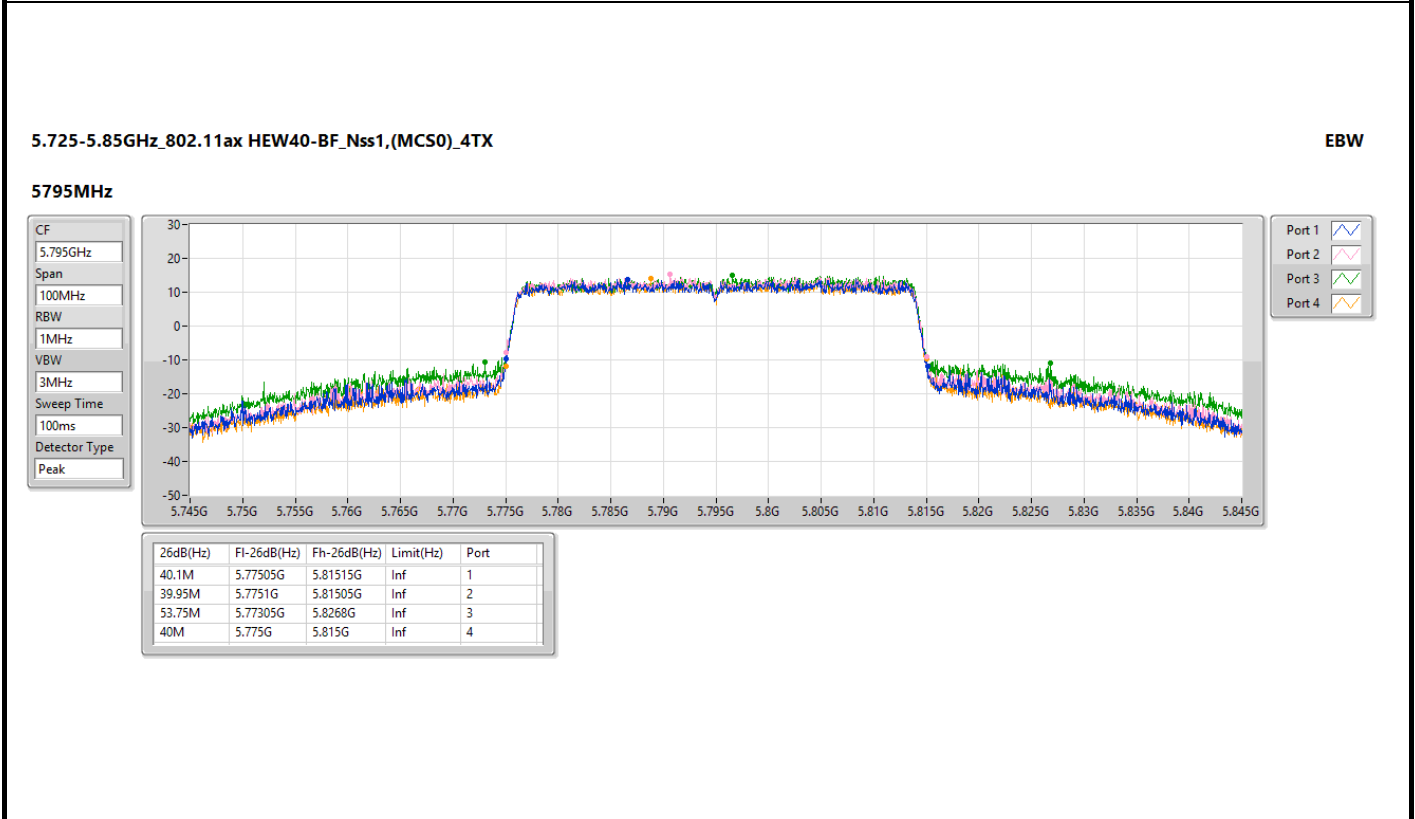
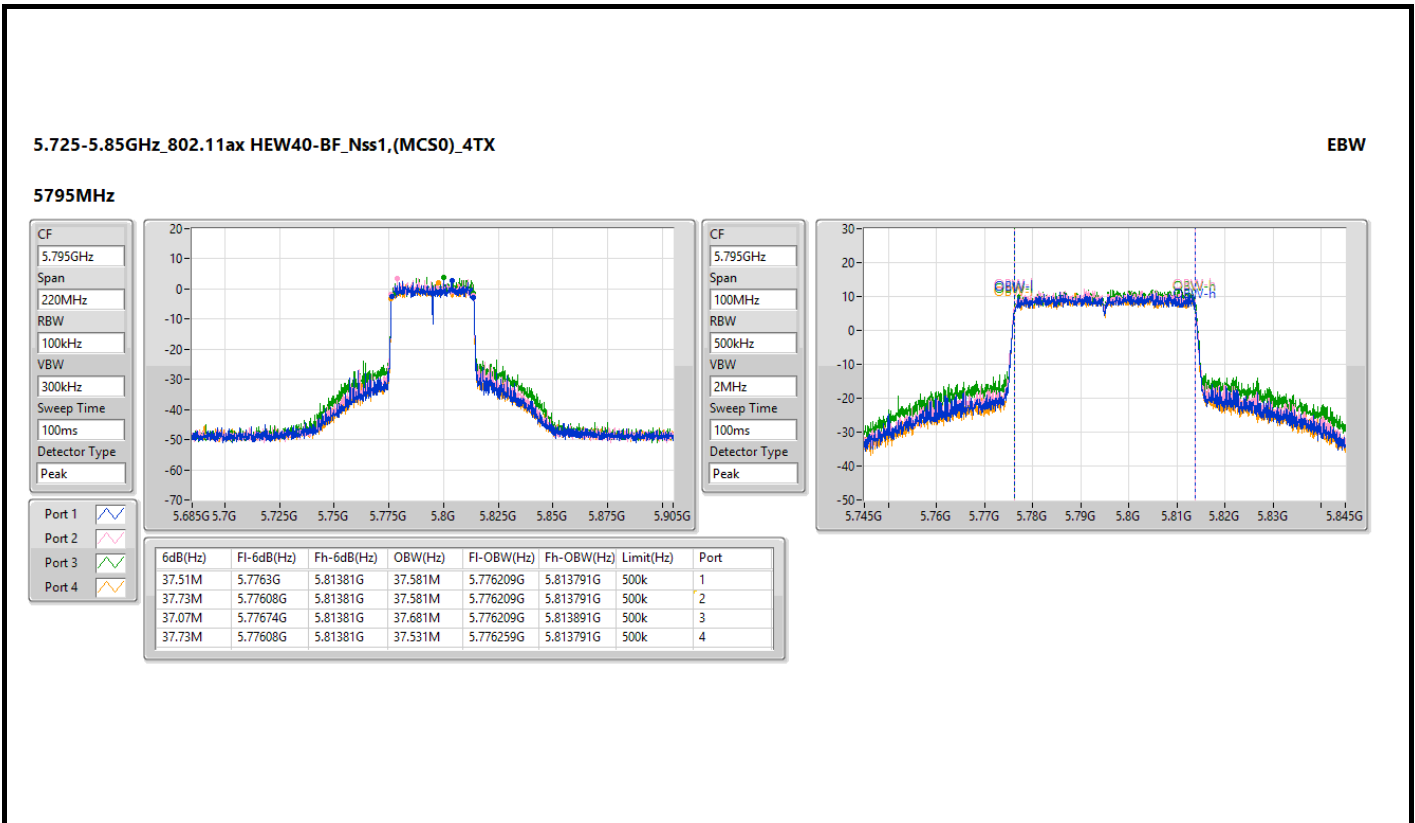
5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz







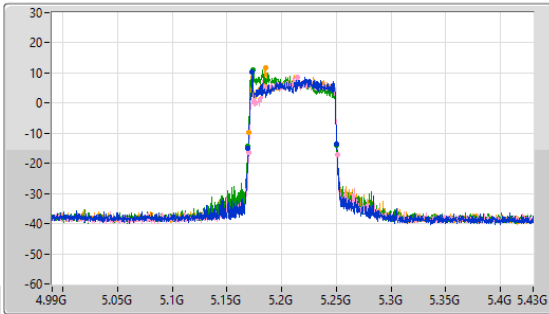


5.15-5.25GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

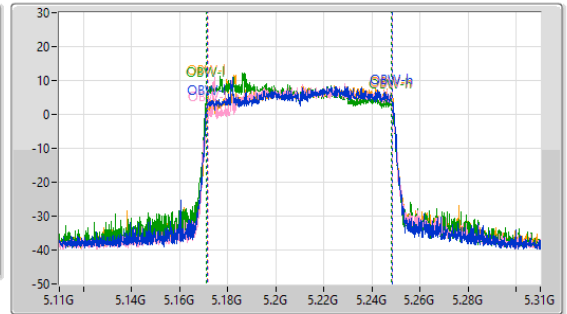
EBW

5210MHz

CF: 5.21GHz
 Span: 440MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.21GHz
 Span: 200MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Peak



Port 1: [Waveform]
 Port 2: [Waveform]
 Port 3: [Waveform]
 Port 4: [Waveform]

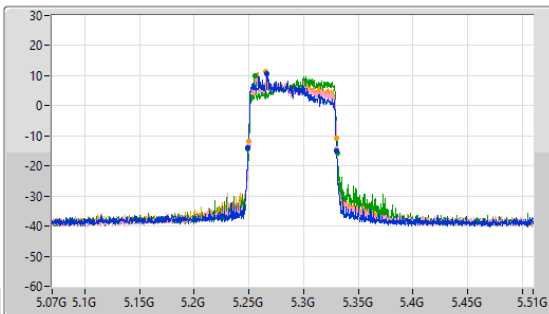
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.62M	5.16886G	5.25048G	76.962M	5.171619G	5.248581G	Inf	1
80.96M	5.16974G	5.2507G	76.762M	5.171819G	5.248581G	Inf	2
81.18M	5.16908G	5.25026G	76.962M	5.171119G	5.248081G	Inf	3
80.3M	5.17018G	5.25048G	76.962M	5.171619G	5.248581G	Inf	4

5.25-5.35GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

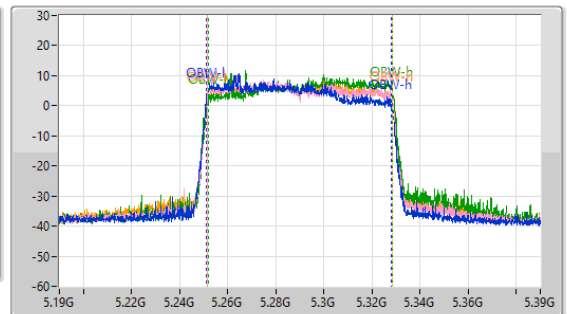
EBW

5290MHz

CF: 5.29GHz
 Span: 440MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.29GHz
 Span: 200MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Peak



Port 1: [Waveform]
 Port 2: [Waveform]
 Port 3: [Waveform]
 Port 4: [Waveform]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.96M	5.2493G	5.33026G	76.662M	5.251219G	5.327881G	Inf	1
80.96M	5.24952G	5.33048G	76.762M	5.251519G	5.328281G	Inf	2
82.28M	5.24886G	5.33114G	76.662M	5.252019G	5.328681G	Inf	3
80.52M	5.24974G	5.33026G	76.862M	5.251519G	5.328381G	Inf	4

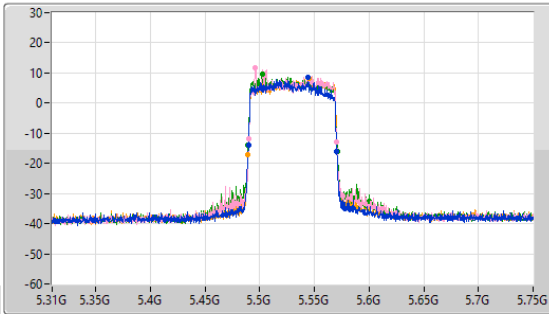


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

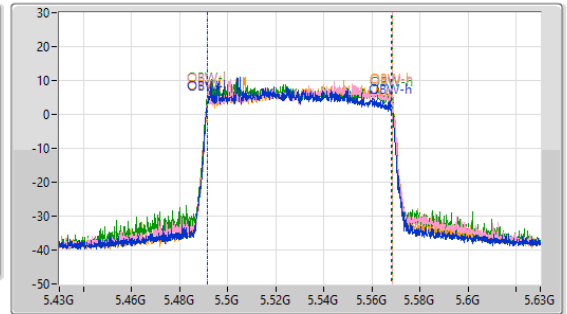
EBW

5530MHz

CF: 5.53GHz
 Span: 440MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.53GHz
 Span: 200MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Peak



Port 1: [Waveform]
 Port 2: [Waveform]
 Port 3: [Waveform]
 Port 4: [Waveform]

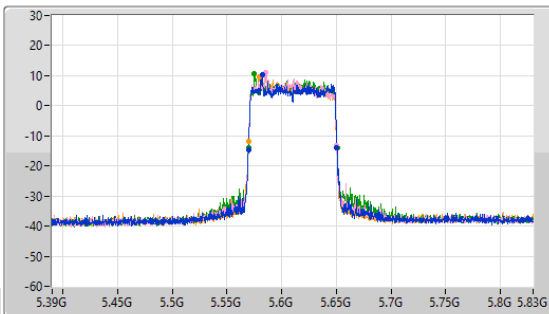
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.96M	5.48952G	5.57048G	76.562M	5.491519G	5.568081G	Inf	1
80.74M	5.48974G	5.57048G	76.962M	5.491619G	5.568581G	Inf	2
81.62M	5.4893G	5.57092G	77.061M	5.491419G	5.568481G	Inf	3
81.62M	5.4893G	5.57092G	76.862M	5.491719G	5.568581G	Inf	4

5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

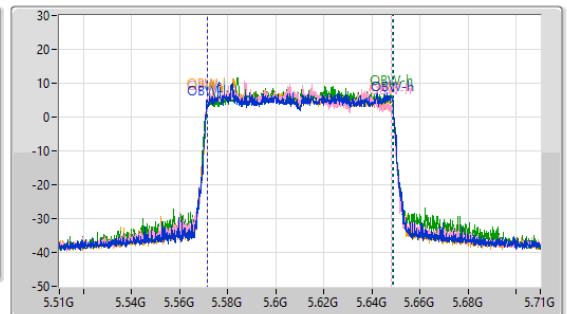
EBW

5610MHz

CF: 5.61GHz
 Span: 440MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.61GHz
 Span: 200MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Peak



Port 1: [Waveform]
 Port 2: [Waveform]
 Port 3: [Waveform]
 Port 4: [Waveform]

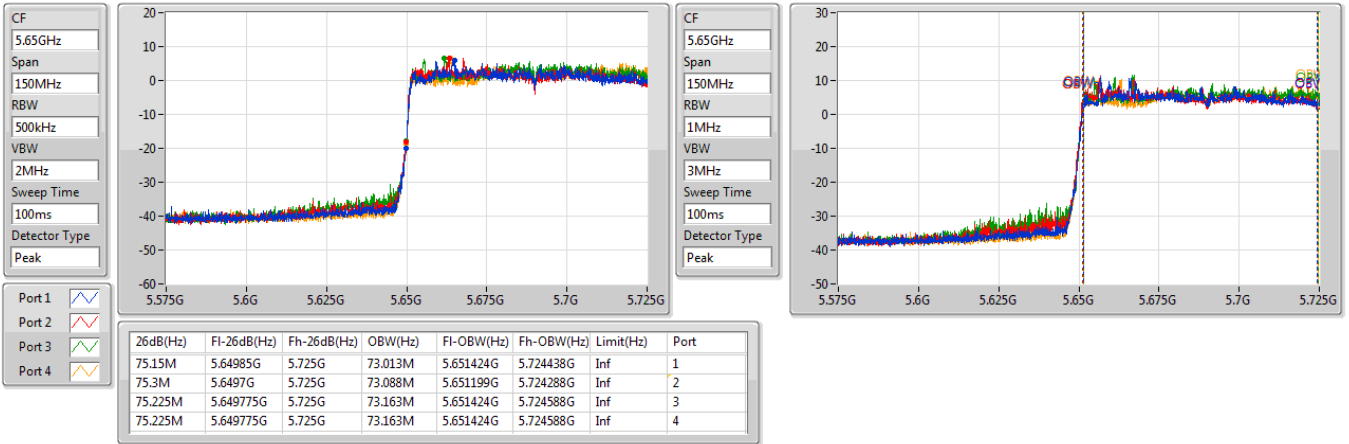
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.96M	5.56952G	5.65048G	77.461M	5.571319G	5.648781G	Inf	1
80.96M	5.56952G	5.65048G	76.862M	5.571319G	5.648181G	Inf	2
81.18M	5.56952G	5.6507G	77.061M	5.571519G	5.648581G	Inf	3
80.96M	5.56952G	5.65048G	76.862M	5.571419G	5.648281G	Inf	4



5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

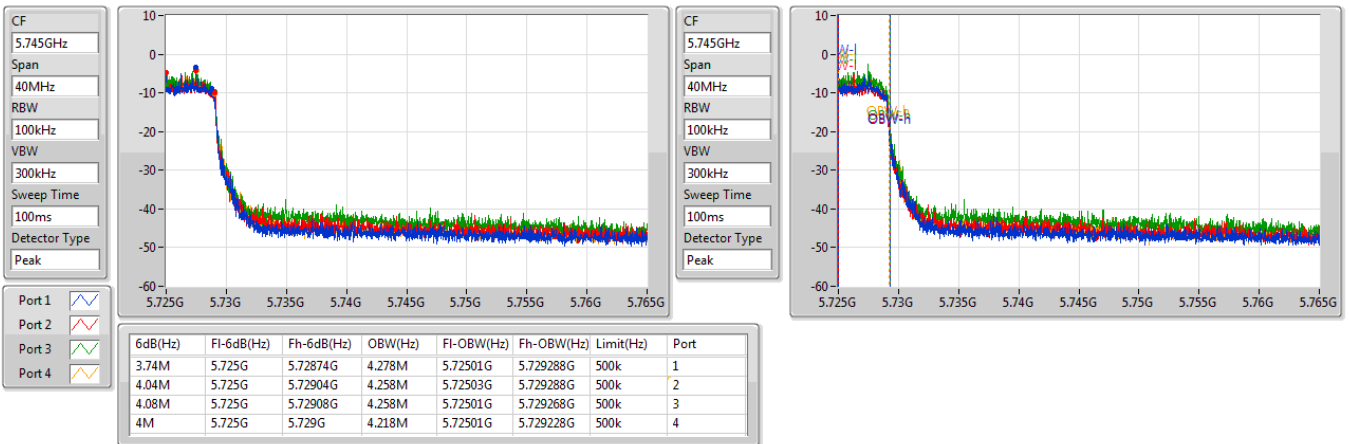
5690MHz Straddle 5.47-5.725GHz

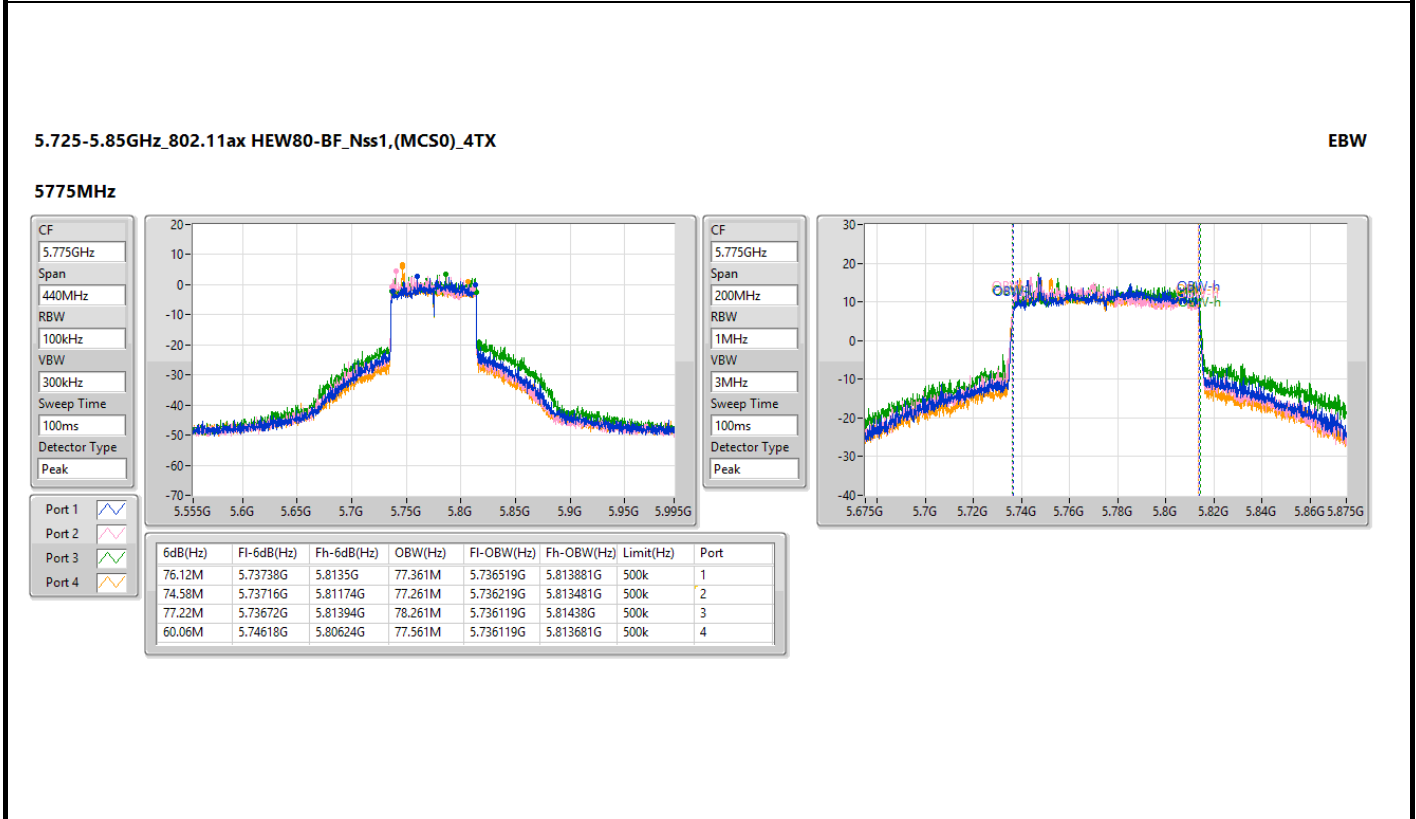
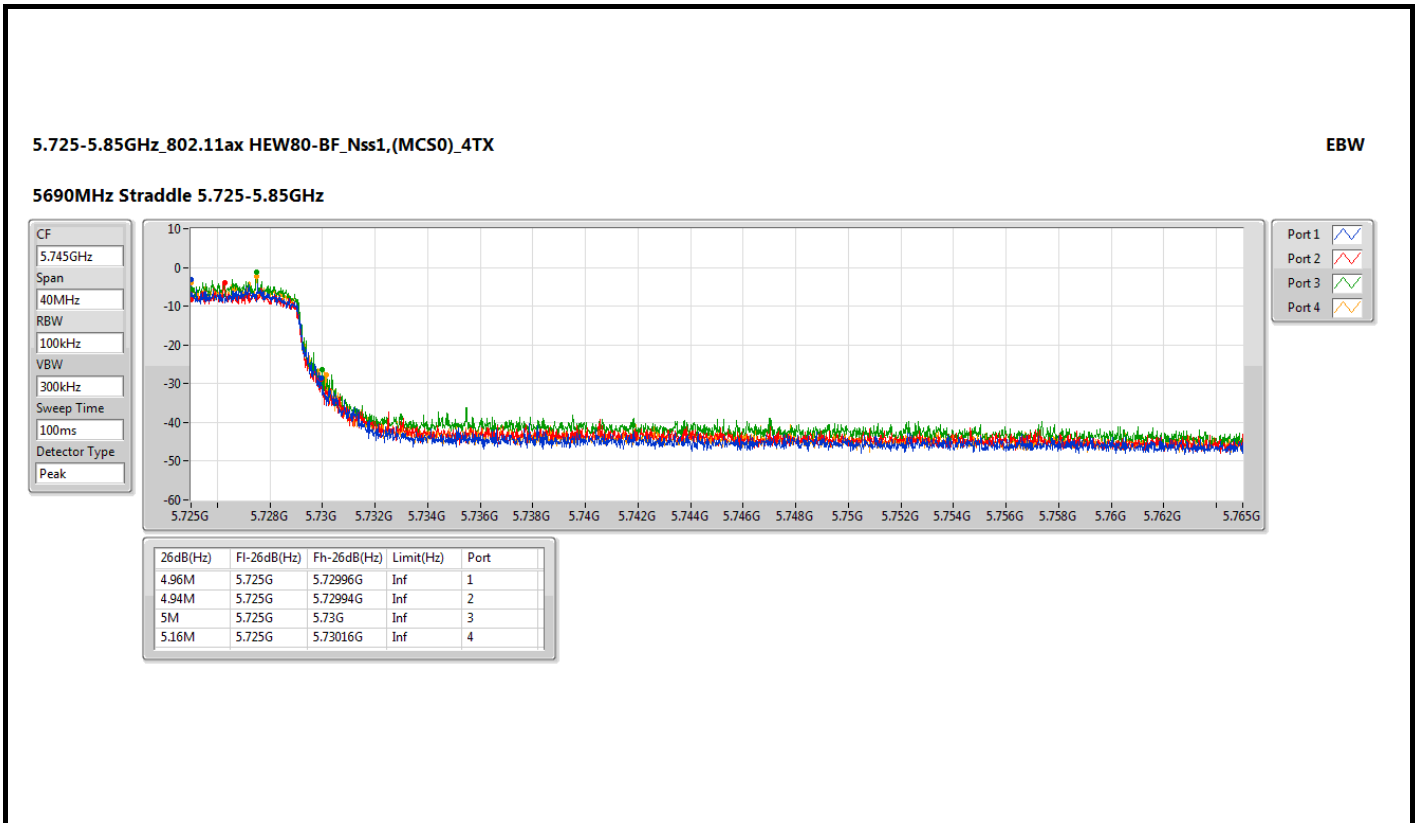


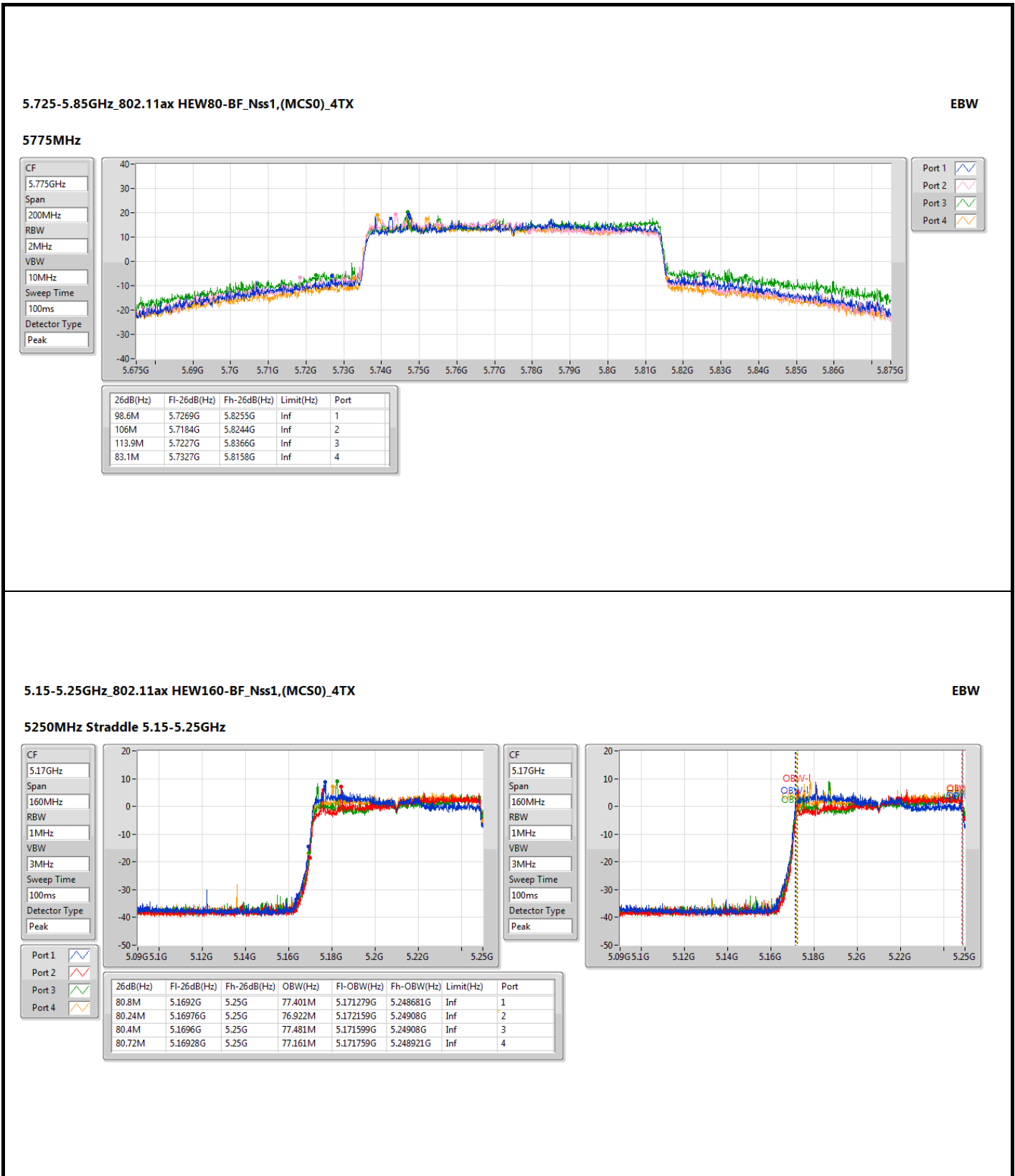
5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz





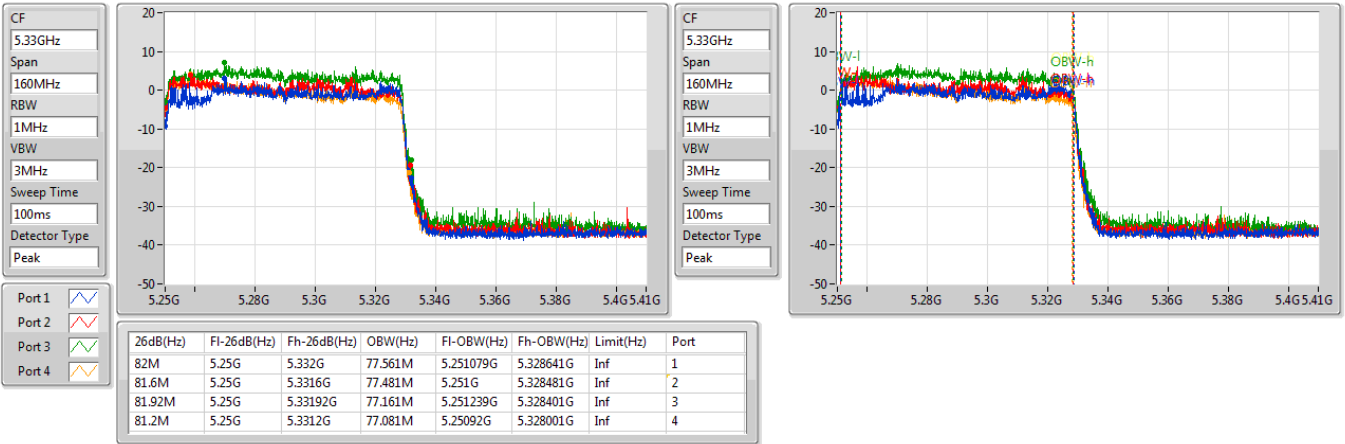




5.25-5.35GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

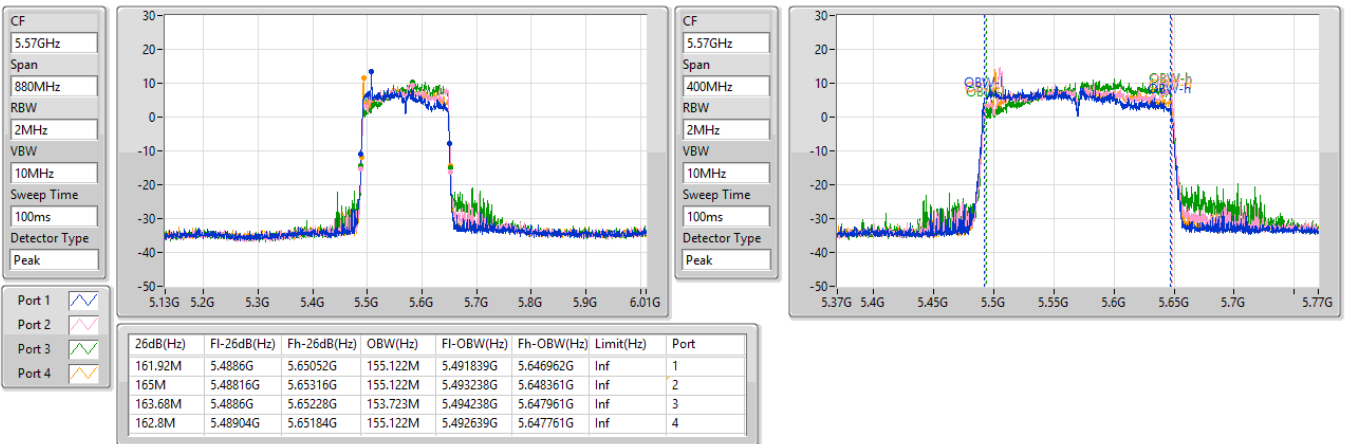
5250MHz Straddle 5.25-5.35GHz



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	26.69	0.46666	29.99	0.99770
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	26.94	0.49431	30.24	1.05682
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	27.16	0.52000	30.46	1.11173
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA	21.16	0.13062	24.46	0.27925
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	16.94	0.04943	20.24	0.10568
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.74	0.11858	24.04	0.25351
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	21.03	0.12677	24.33	0.27102
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	23.73	0.23605	27.03	0.50466
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA	20.84	0.12134	24.14	0.25942
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	16.99	0.05000	20.29	0.10691
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.73	0.11830	24.23	0.26485
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	21.02	0.12647	24.52	0.28314
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	23.90	0.24547	27.40	0.54954
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA	23.77	0.23823	27.27	0.53333
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	21.39	0.13772	24.89	0.30832
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	25.84	0.38371	29.24	0.83946
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	26.07	0.40458	29.47	0.88512
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	28.49	0.70632	31.89	1.54525
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA	26.66	0.46345	30.06	1.01391



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	3.30	18.02	18.72	18.85	19.84	24.93	30.00	28.23	36.00
5200MHz	Pass	3.30	20.58	19.9	21.49	20.57	26.69	30.00	29.99	36.00
5240MHz	Pass	3.30	20.52	20.05	21.34	20.59	26.67	30.00	29.97	36.00
5260MHz	Pass	3.30	14.11	14.05	15.18	14.83	20.59	24.00	23.89	30.00
5300MHz	Pass	3.30	14.03	14.28	15.21	15.1	20.71	24.00	24.01	30.00
5320MHz	Pass	3.30	14.08	14.25	15.27	15.16	20.74	24.00	24.04	30.00
5500MHz	Pass	3.50	14.24	14.62	14.91	14.76	20.66	24.00	24.16	30.00
5580MHz	Pass	3.50	14.02	14.71	15.01	15.04	20.73	24.00	24.23	30.00
5700MHz	Pass	3.50	14.04	14.69	15.31	14.57	20.70	24.00	24.20	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.50	13.16	13.9	14.64	13.71	19.91	22.82	23.41	28.82
5720MHz Straddle 5.725-5.85GHz	Pass	3.40	7.15	7.65	8.56	7.58	13.79	30.00	17.19	36.00
5745MHz	Pass	3.40	19.85	19.59	19.42	20.35	25.84	30.00	29.24	36.00
5785MHz	Pass	3.40	19.14	18.95	18.71	19.52	25.11	30.00	28.51	36.00
5825MHz	Pass	3.40	18.34	18.36	18.22	18.66	24.42	30.00	27.82	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	3.30	17.38	17.81	17.94	18.96	24.08	30.00	27.38	36.00
5200MHz	Pass	3.30	20.75	20.18	21.76	20.82	26.94	30.00	30.24	36.00
5240MHz	Pass	3.30	20.18	20.66	20.75	21.82	26.92	30.00	30.22	36.00
5260MHz	Pass	3.30	14.35	14.26	15.14	15.58	20.89	24.00	24.19	30.00
5300MHz	Pass	3.30	14.55	14.48	15.54	15.38	21.03	24.00	24.33	30.00
5320MHz	Pass	3.30	14.58	14.35	15.36	15.61	21.03	24.00	24.33	30.00
5500MHz	Pass	3.50	14.93	14.42	15.18	15.41	21.02	24.00	24.52	30.00
5580MHz	Pass	3.50	14.19	14.96	15.24	15.48	21.01	24.00	24.51	30.00
5700MHz	Pass	3.50	14.69	13.88	14.34	15.22	20.58	24.00	24.08	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.50	13.68	14.31	15.17	14.17	20.39	22.95	23.89	28.95
5720MHz Straddle 5.725-5.85GHz	Pass	3.40	8.27	8.91	9.79	8.79	15.00	30.00	18.40	36.00
5745MHz	Pass	3.40	20.02	19.83	19.72	20.56	26.07	30.00	29.47	36.00
5785MHz	Pass	3.40	19.58	19.31	19.11	19.64	25.44	30.00	28.84	36.00
5825MHz	Pass	3.40	18.84	18.85	18.45	19.13	24.84	30.00	28.24	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	3.30	16.09	16.18	16.84	17.72	22.78	30.00	26.08	36.00
5230MHz	Pass	3.30	20.8	20.38	21.98	21.22	27.16	30.00	30.46	36.00
5270MHz	Pass	3.30	17.22	17.19	18.38	17.92	23.73	24.00	27.03	30.00
5310MHz	Pass	3.30	16.69	16.02	17.15	17.52	22.90	24.00	26.20	30.00
5510MHz	Pass	3.50	15.44	14.94	15.26	15.74	21.38	24.00	24.88	30.00
5590MHz	Pass	3.50	17.58	18.08	18.18	17.66	23.90	24.00	27.40	30.00
5670MHz	Pass	3.50	17.96	17.45	17.57	18.38	23.88	24.00	27.38	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.50	17.13	17.53	18.27	17.01	23.53	24.00	27.03	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.40	7.3	7.81	8.44	7.31	13.76	30.00	17.16	36.00



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)
5755MHz	Pass	3.40	22.35	22.04	21.75	22.86	28.29	30.00	31.69	36.00
5795MHz	Pass	3.40	22.56	22.43	22.01	22.84	28.49	30.00	31.89	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	3.30	14.51	14.54	15.49	15.86	21.16	30.00	24.46	36.00
5290MHz	Pass	3.30	14.31	14.19	15.21	15.42	20.84	24.00	24.14	30.00
5530MHz	Pass	3.50	14.61	14.16	14.72	15.23	20.72	24.00	24.22	30.00
5610MHz	Pass	3.50	17.45	17.37	18.15	17.29	23.60	24.00	27.10	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.50	17.86	17.34	18.41	17.28	23.77	24.00	27.27	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.40	4.03	3.64	4.87	3.73	10.12	30.00	13.52	36.00
5775MHz	Pass	3.40	20.68	20.41	20.31	21.13	26.66	30.00	30.06	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.30	10.45	10.48	10.97	11.65	16.94	30.00	20.24	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.30	10.97	9.98	10.62	12.03	16.99	24.00	20.29	30.00
5570MHz	Pass	3.50	15.41	14.89	15.26	15.85	21.39	24.00	24.89	30.00

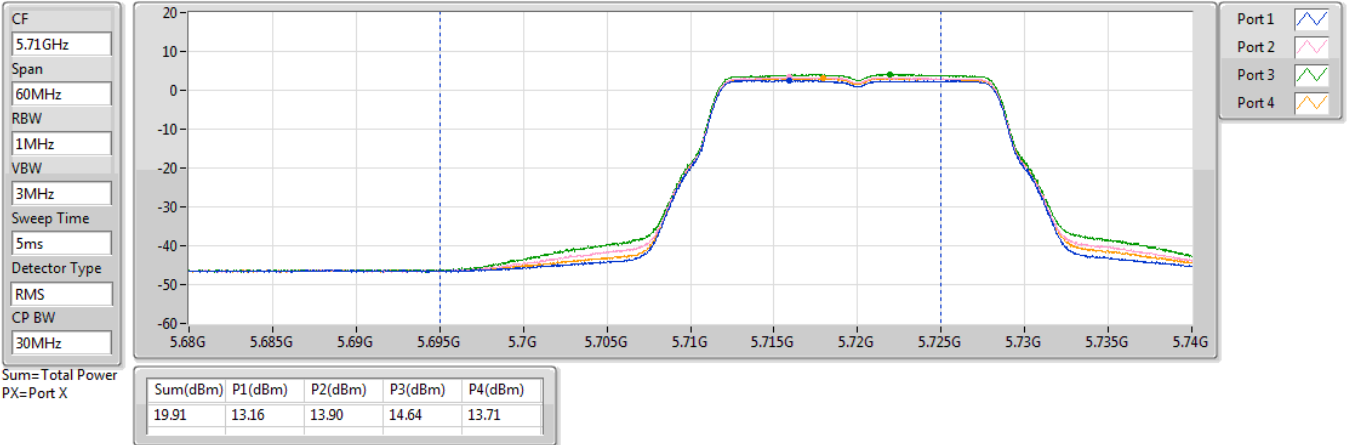
DG = Directional Gain; Port X = Port X output power



5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

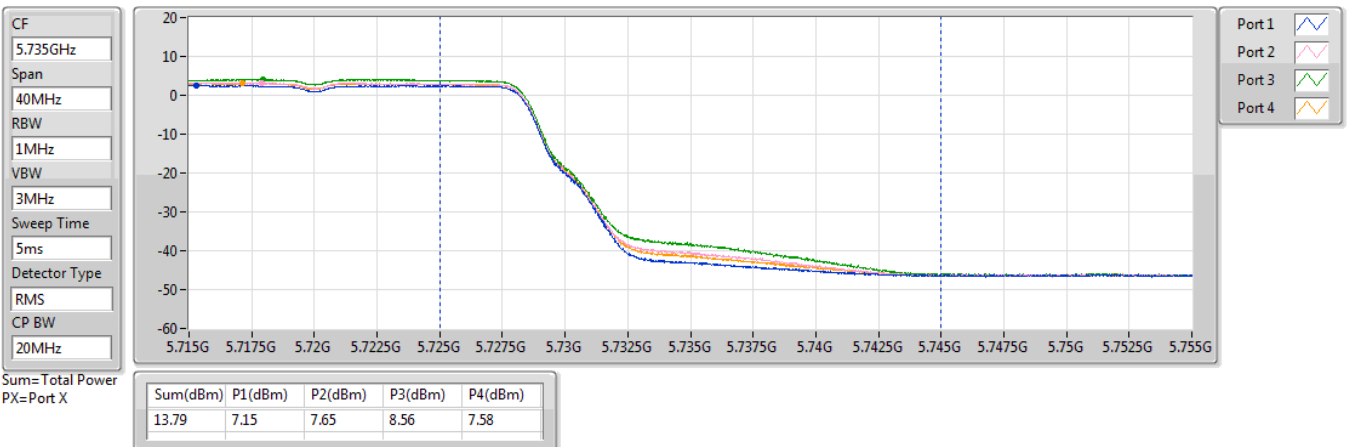
5720MHz Straddle 5.47-5.725GHz_TX

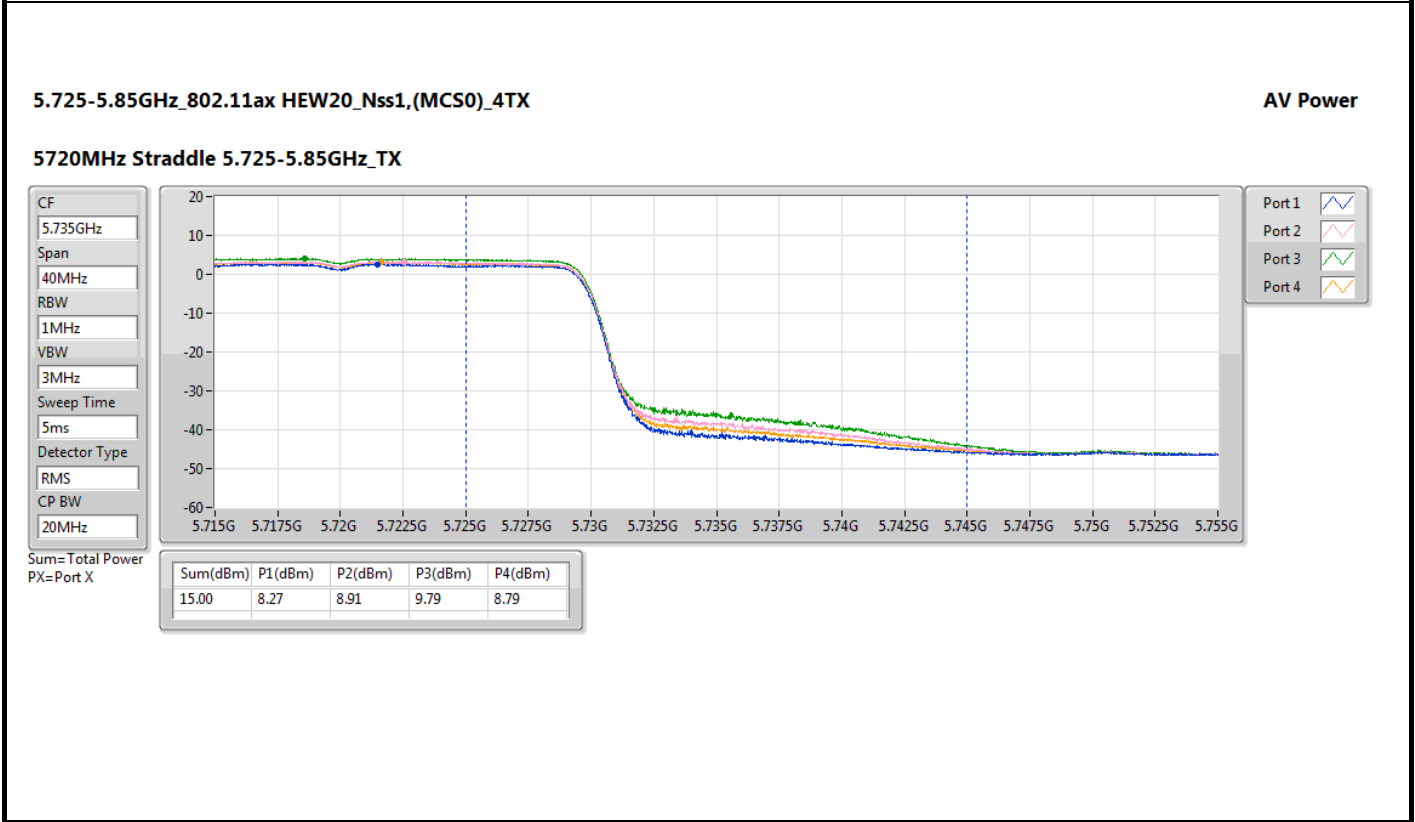
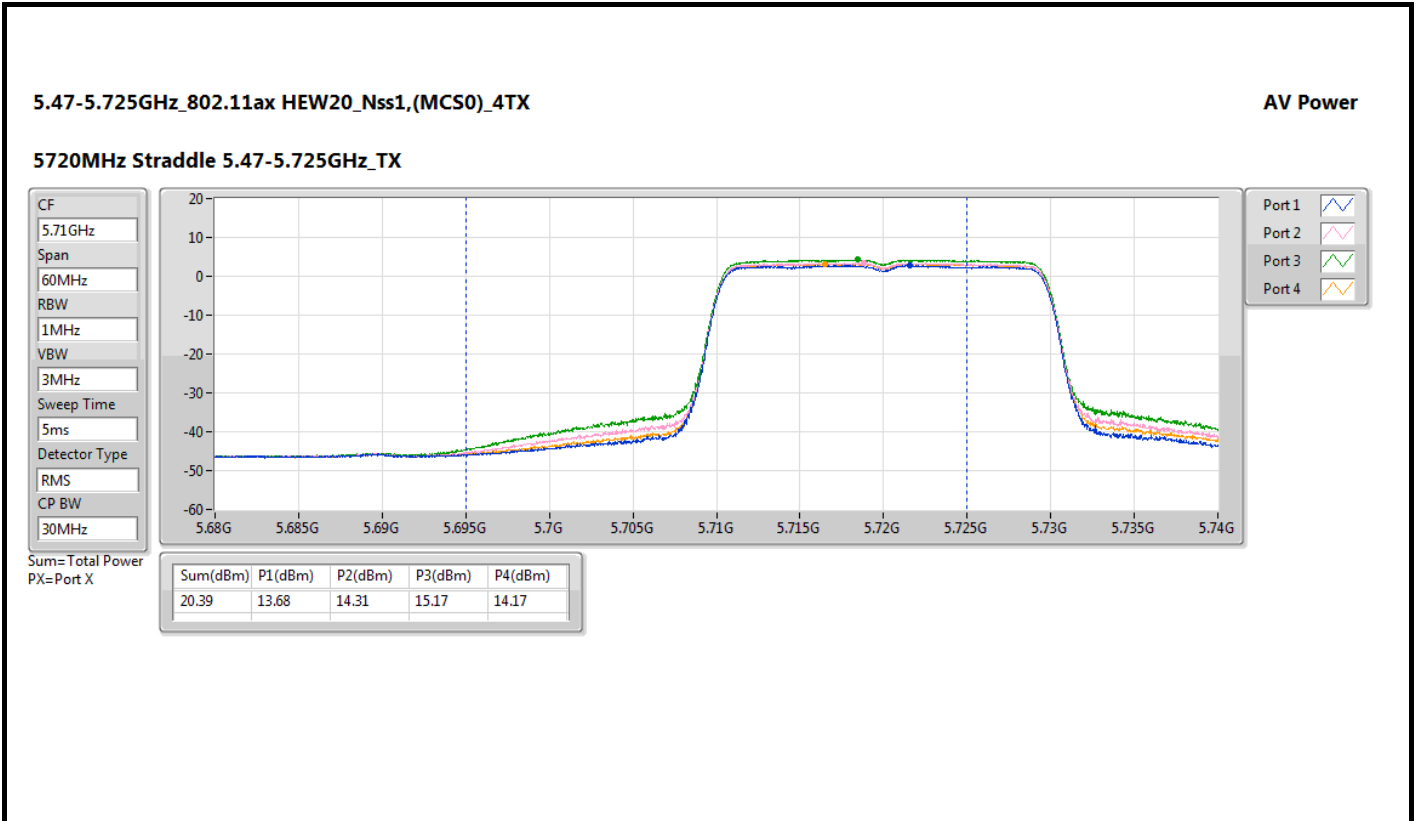


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX





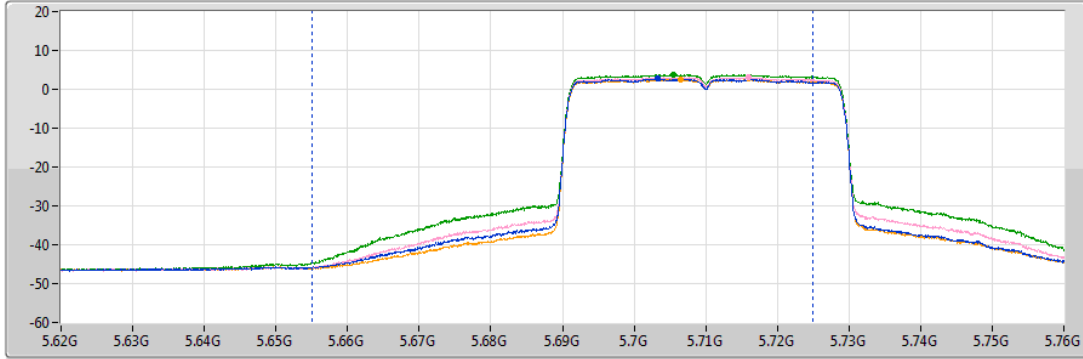


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

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

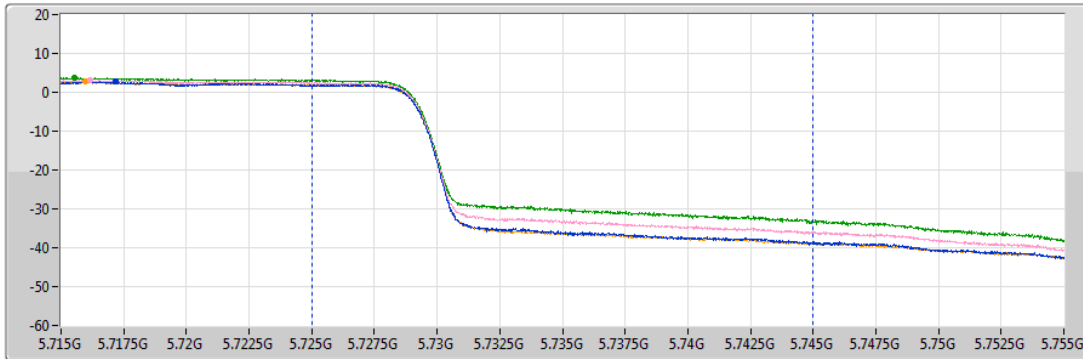
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.53	17.13	17.53	18.27	17.01

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)
13.76	7.30	7.81	8.44	7.31

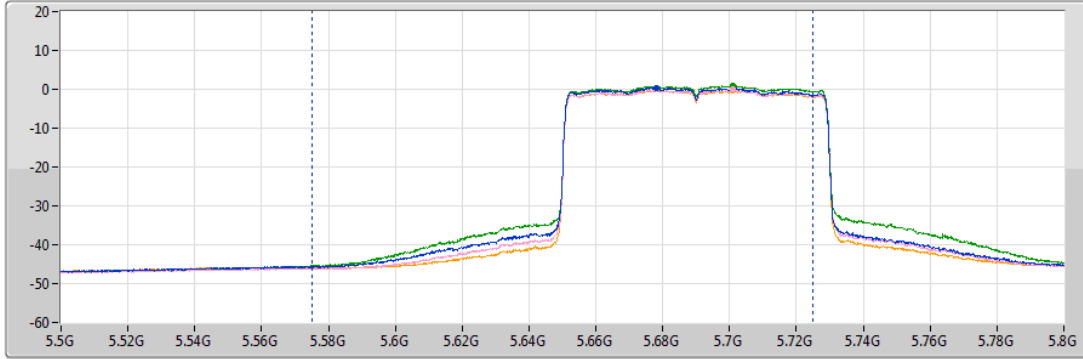


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

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

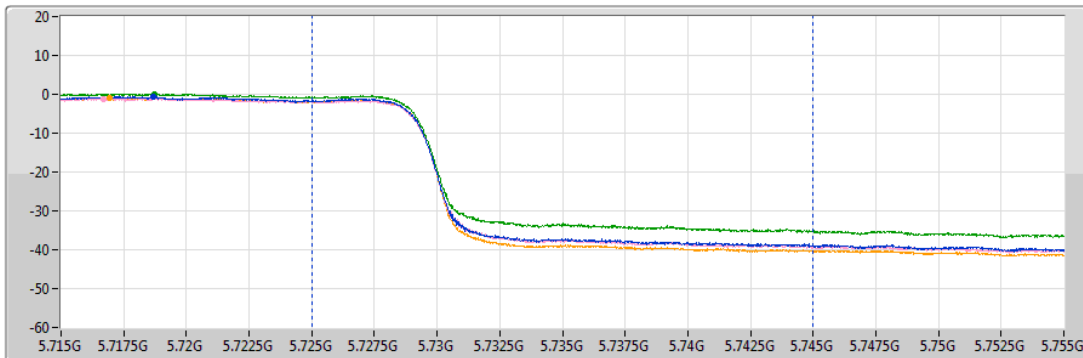
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.77	17.86	17.34	18.41	17.28

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

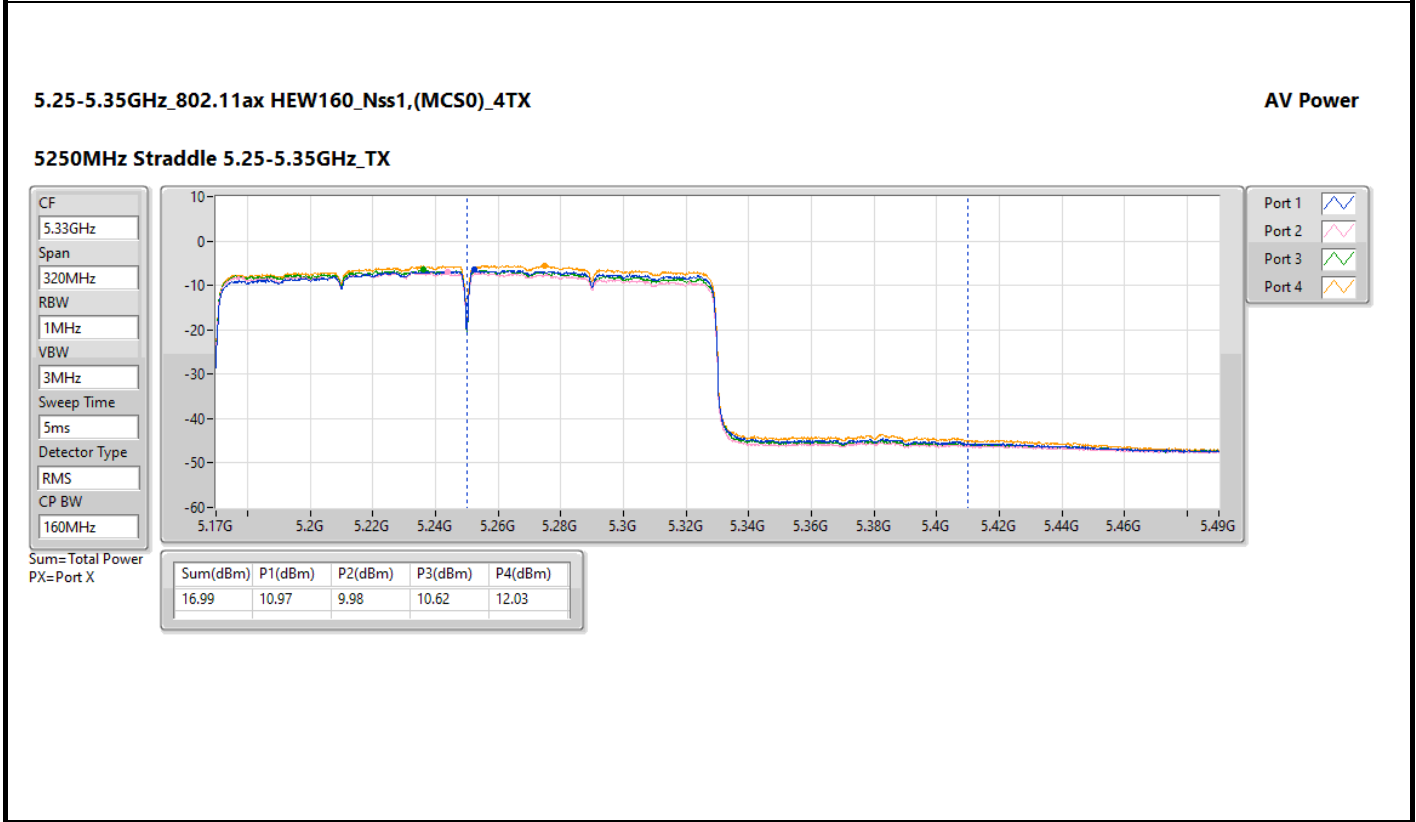
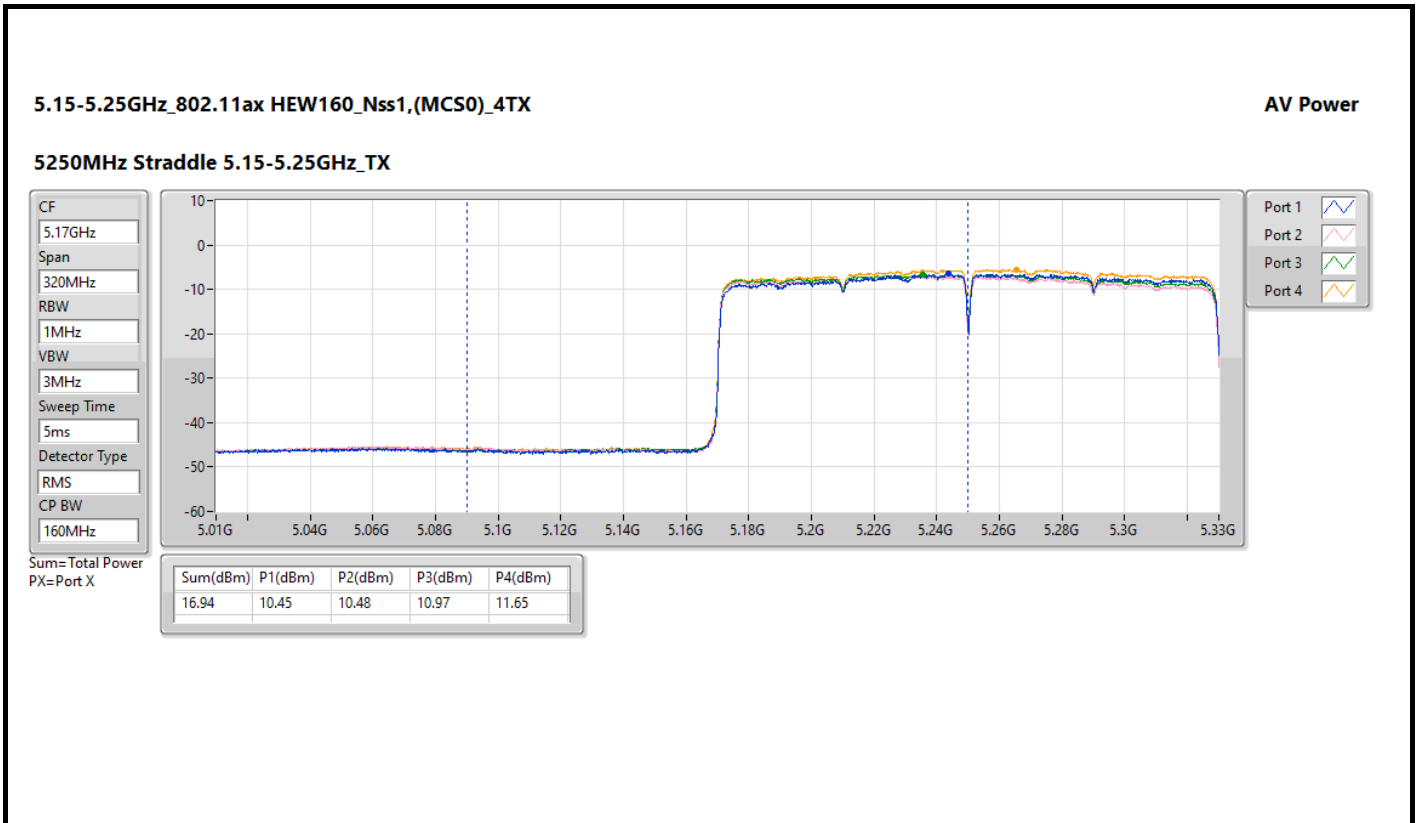
CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
5ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.12	4.03	3.64	4.87	3.73





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-OFDMA	26.63	0.46026	35.68	3.69828
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA	26.85	0.48417	35.90	3.89045
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFDMA	20.94	0.12417	29.99	0.99770
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFDMA	16.47	0.04436	25.52	0.35645
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFDMA	20.79	0.11995	29.84	0.96383
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA	20.66	0.11641	29.71	0.93541
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFDMA	20.66	0.11641	29.71	0.93541
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFDMA	16.44	0.04406	25.49	0.35400
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFDMA	20.65	0.11614	29.70	0.93325
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA	20.84	0.12134	29.89	0.97499
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFDMA	20.71	0.11776	29.76	0.94624
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFDMA	20.83	0.12106	29.88	0.97275
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFDMA	24.88	0.30761	33.90	2.45471
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA	25.63	0.36559	34.65	2.91743
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFDMA	26.48	0.44463	35.50	3.54813



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-OFDMA	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.05	17.83	17.02	18.65	17.66	23.85	26.95	32.90	36.00
5200MHz	Pass	9.05	20.48	19.75	21.56	20.45	26.63	26.95	35.68	36.00
5240MHz	Pass	9.05	20.43	19.72	21.49	20.51	26.60	26.95	35.65	36.00
5260MHz	Pass	9.05	14.11	14.06	15.32	15.01	20.68	20.93	29.73	30.00
5300MHz	Pass	9.05	14.05	14.13	15.14	15.11	20.66	20.93	29.71	30.00
5320MHz	Pass	9.05	14.15	14.36	15.32	15.13	20.79	20.93	29.84	30.00
5500MHz	Pass	9.05	13.92	14.43	14.82	14.92	20.56	20.93	29.61	30.00
5580MHz	Pass	9.05	13.85	14.49	15.12	14.95	20.65	20.93	29.70	30.00
5700MHz	Pass	9.05	13.18	14.01	14.66	13.75	19.95	20.93	29.00	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	9.05	13.28	13.79	14.51	13.87	19.91	19.93	28.96	28.98
5720MHz Straddle 5.725-5.85GHz	Pass	9.02	6.88	8.52	9.46	8.53	14.46	26.98	23.48	36.00
5745MHz	Pass	9.02	18.85	18.83	19.18	18.55	24.88	26.98	33.90	36.00
5785MHz	Pass	9.02	18.12	18.15	18.32	18.14	24.20	26.98	33.22	36.00
5825MHz	Pass	9.02	17.63	17.75	18.02	17.25	23.69	26.98	32.71	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.05	15.69	15.18	16.75	16.42	22.07	26.95	31.12	36.00
5230MHz	Pass	9.05	20.37	20.05	21.65	21.08	26.85	26.95	35.90	36.00
5270MHz	Pass	9.05	13.79	14.42	15.19	15.01	20.66	20.93	29.71	30.00
5310MHz	Pass	9.05	13.81	14.36	14.92	14.86	20.53	20.93	29.58	30.00
5510MHz	Pass	9.05	14.42	14.82	15.25	14.24	20.72	20.93	29.77	30.00
5590MHz	Pass	9.05	14.16	15.03	15.25	14.75	20.84	20.93	29.89	30.00
5670MHz	Pass	9.05	14.12	14.69	15.46	14.65	20.78	20.93	29.83	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	9.05	13.59	14.36	14.88	14.1	20.28	20.93	29.33	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	9.02	3.81	4.44	5.09	4.25	10.44	26.98	19.46	36.00
5755MHz	Pass	9.02	19.41	19.45	20.25	19.25	25.63	26.98	34.65	36.00
5795MHz	Pass	9.02	18.45	18.47	18.88	18.35	24.56	26.98	33.58	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.05	14.36	14.38	15.56	15.24	20.94	26.95	29.99	36.00
5290MHz	Pass	9.05	14.16	13.93	15.17	15.15	20.66	20.93	29.71	30.00
5530MHz	Pass	9.05	14.03	14.61	15.05	14.76	20.65	20.93	29.70	30.00
5610MHz	Pass	9.05	14.19	14.18	15.12	14.56	20.55	20.93	29.60	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	9.05	14.37	14.47	15.3	14.55	20.71	20.93	29.76	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	9.02	0.39	0.09	1.9	1.41	7.03	26.98	16.05	36.00
5775MHz	Pass	9.02	20.22	20.42	20.91	20.24	26.48	26.98	35.50	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	9.05	10.49	9.94	10.28	11.03	16.47	26.95	25.52	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	9.05	9.29	9.5	12.42	9.62	16.44	20.93	25.49	30.00



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)
5570MHz	Pass	9.05	14.32	14.67	15.56	14.6	20.83	20.93	29.88	30.00

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

Note:

For 5180~5240MHz / 5260~5320MHz

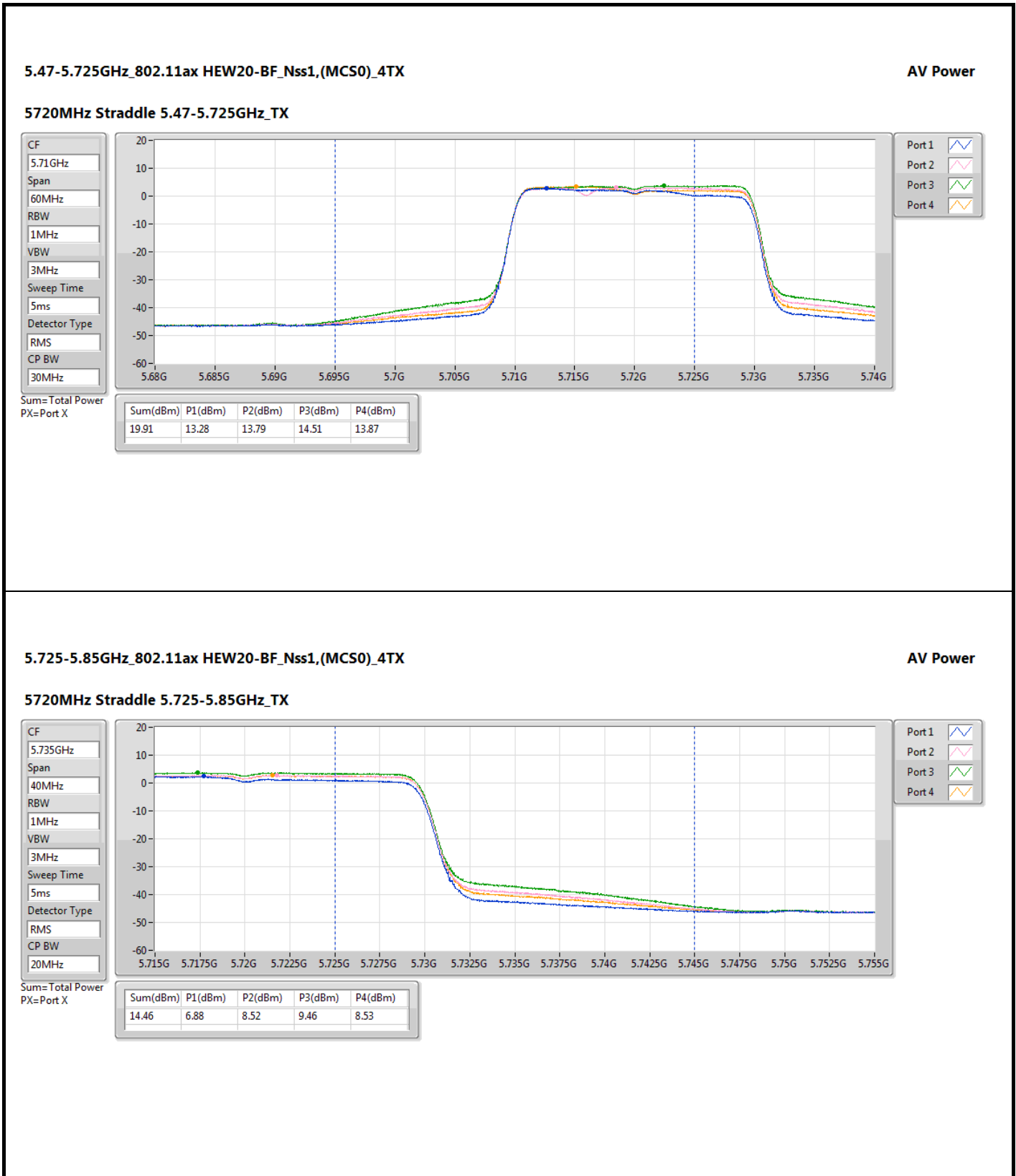
Directional gain = $10 \times \log((10^{2.9/20} + 10^{2.7/20} + 10^{3.3/20} + 10^{3.2/20})^2/4) = 9.05 \text{ dBi} > 6 \text{ dBi}$, limit shall be reduced 3.05 dB (9.05dBi – 6dBi)

For 5500~5725MHz:

Directional gain = $10 \times \log((10^{3/20} + 10^{2.7/20} + 10^{3.5/20} + 10^{2.9/20})^2/4) = 9.05 \text{ dBi} > 6 \text{ dBi}$, limit shall be reduced 3.05 dB (9.05dBi – 6dBi)

For 5745~5825MHz:

Directional gain = $10 \times \log((10^{3.1/20} + 10^{2.8/20} + 10^{3.4/20} + 10^{2.7/20})^2/4) = 9.02 \text{ dBi} > 6 \text{ dBi}$, limit shall be reduced 3.02 dB (9.02dBi – 6dBi)



5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz 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

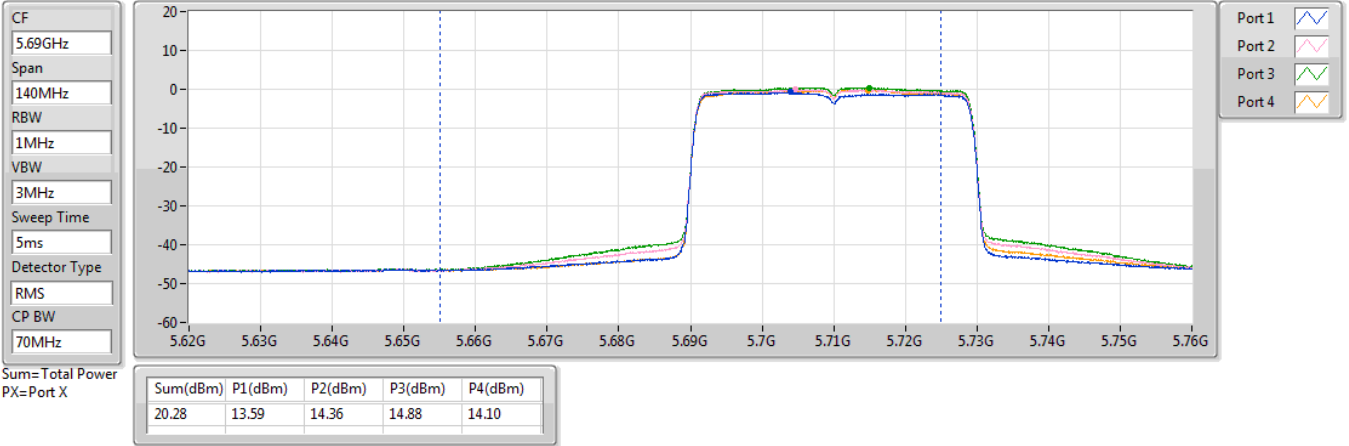
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
14.46	6.88	8.52	9.46	8.53



5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

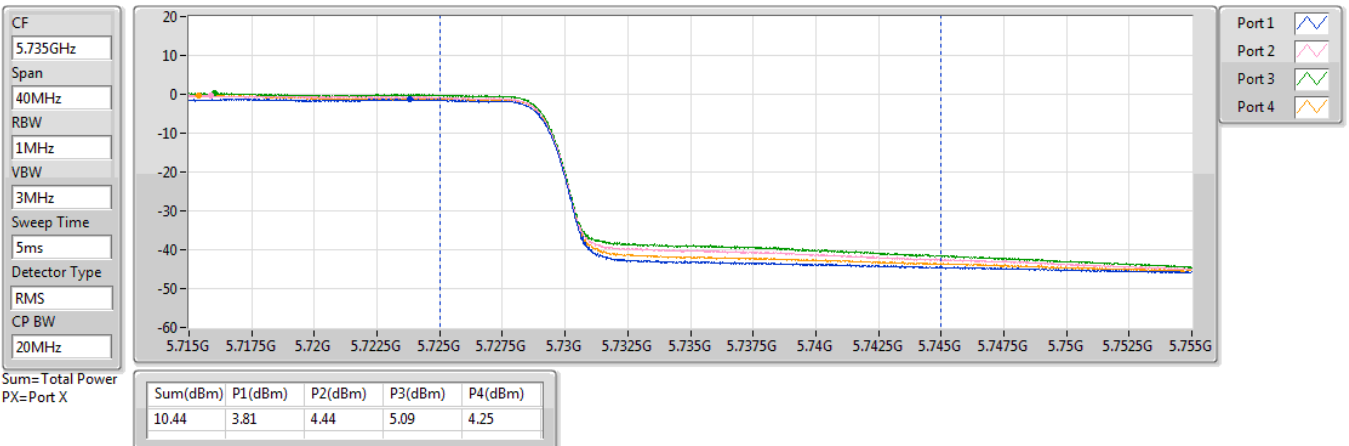
5710MHz Straddle 5.47-5.725GHz_TX

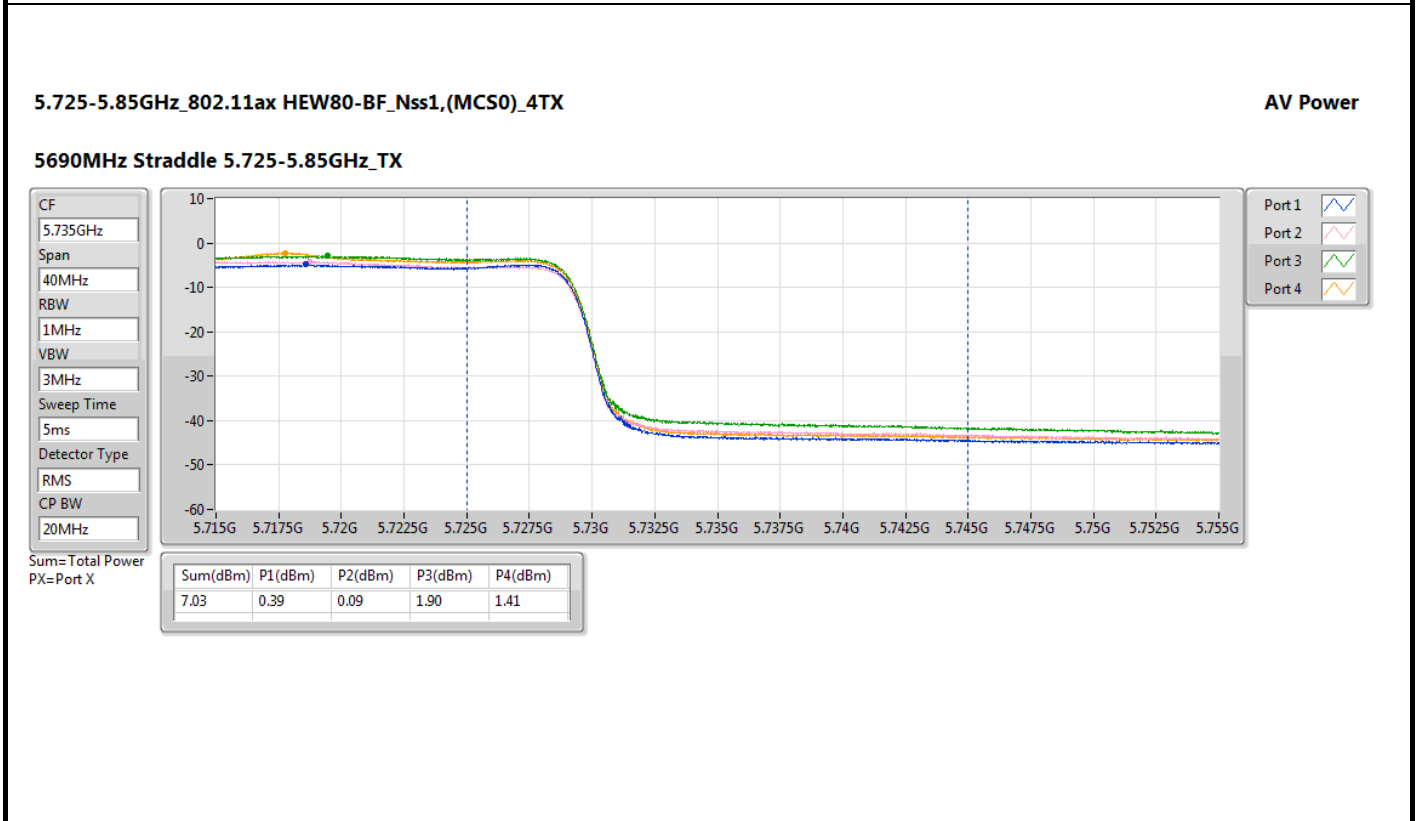
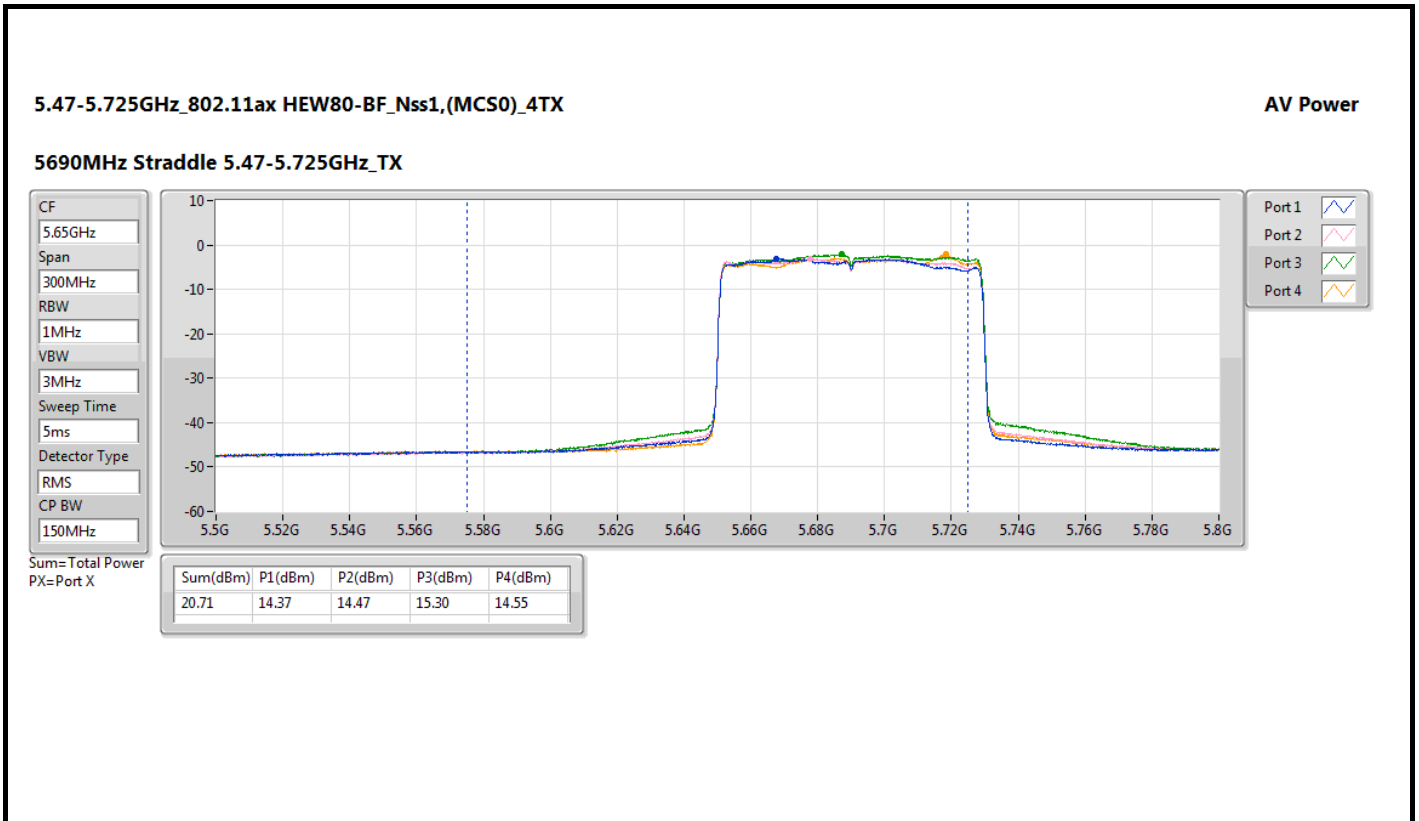


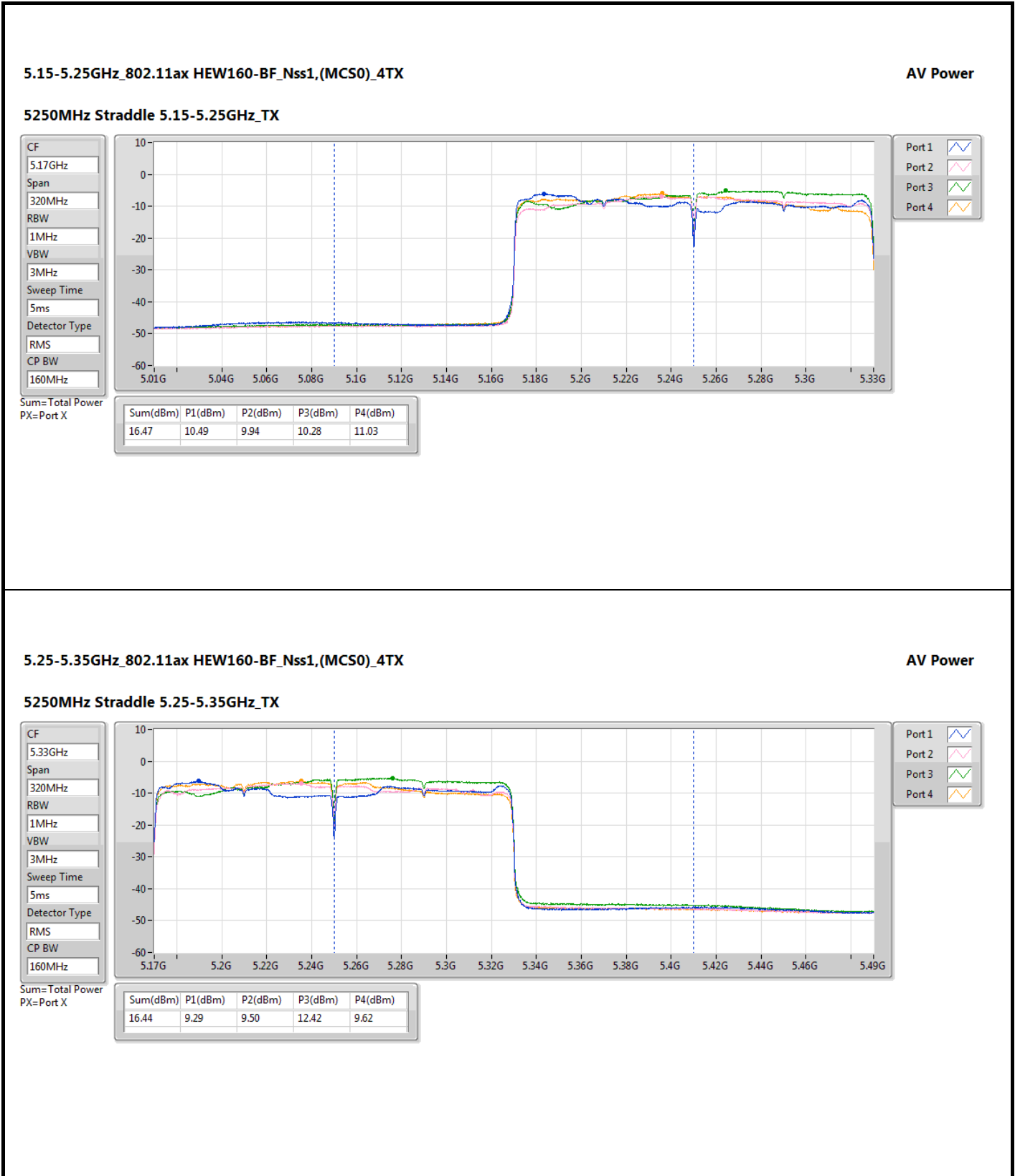
5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX







5.25-5.35GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

CF
5.33GHz

Span
320MHz

RBW
1MHz

VBW
3MHz

Sweep Time
5ms

Detector Type
RMS

CP BW
160MHz

Port 1

Port 2

Port 3

Port 4

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.44	9.29	9.50	12.42	9.62



Non-beamforming mode

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	13.73	22.78
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	13.71	22.76
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	10.93	19.98
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA	2.12	11.17
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	-2.03	7.02
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	7.83	16.88
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	7.71	16.76
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	7.49	16.54
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA	1.34	10.39
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	-1.92	7.13
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	7.78	16.83
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	7.62	16.67
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	7.78	16.83
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA	4.66	13.71
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	-0.83	8.22
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	11.27	20.29
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	10.59	19.61
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	10.14	19.16
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA	5.70	14.72

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



Result

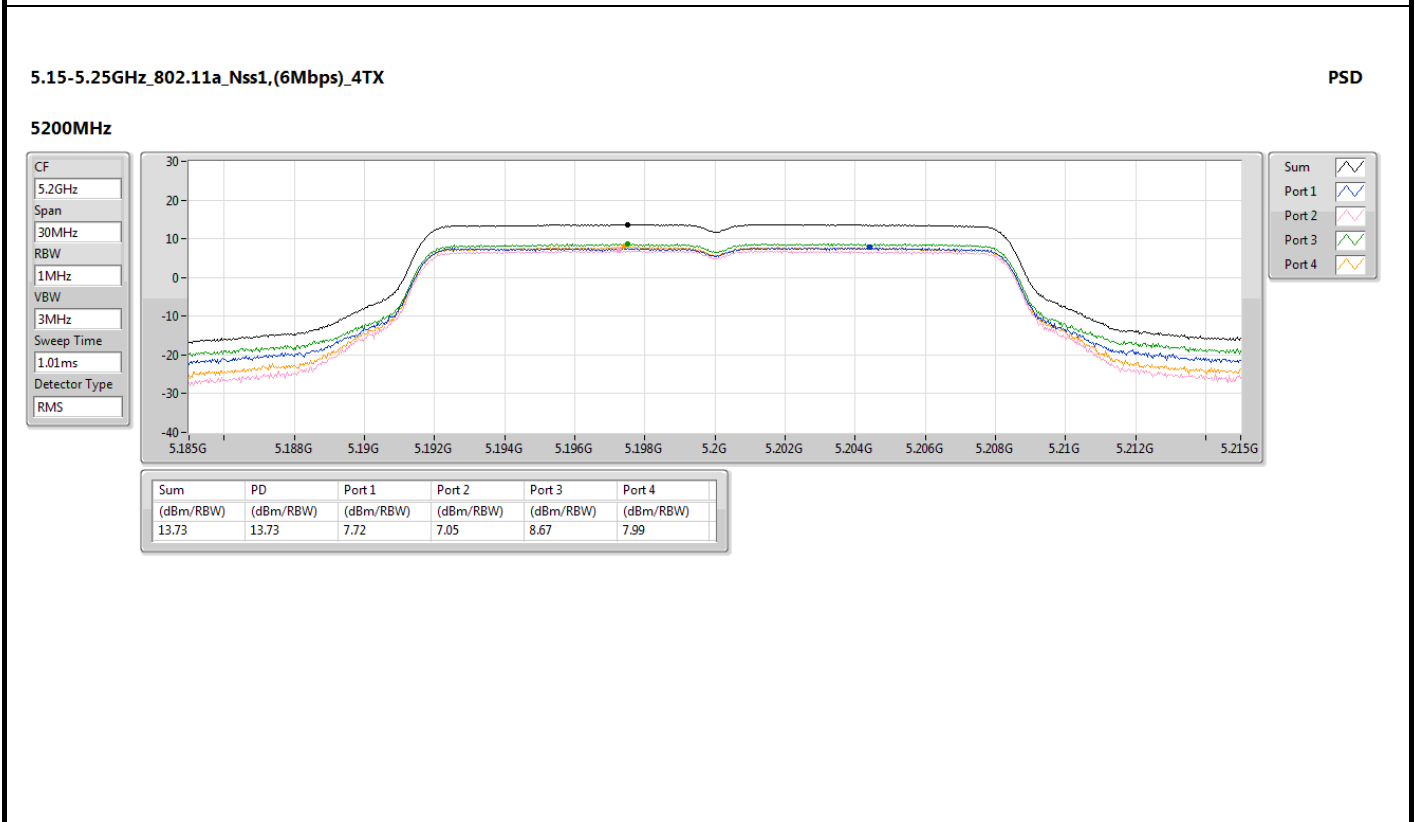
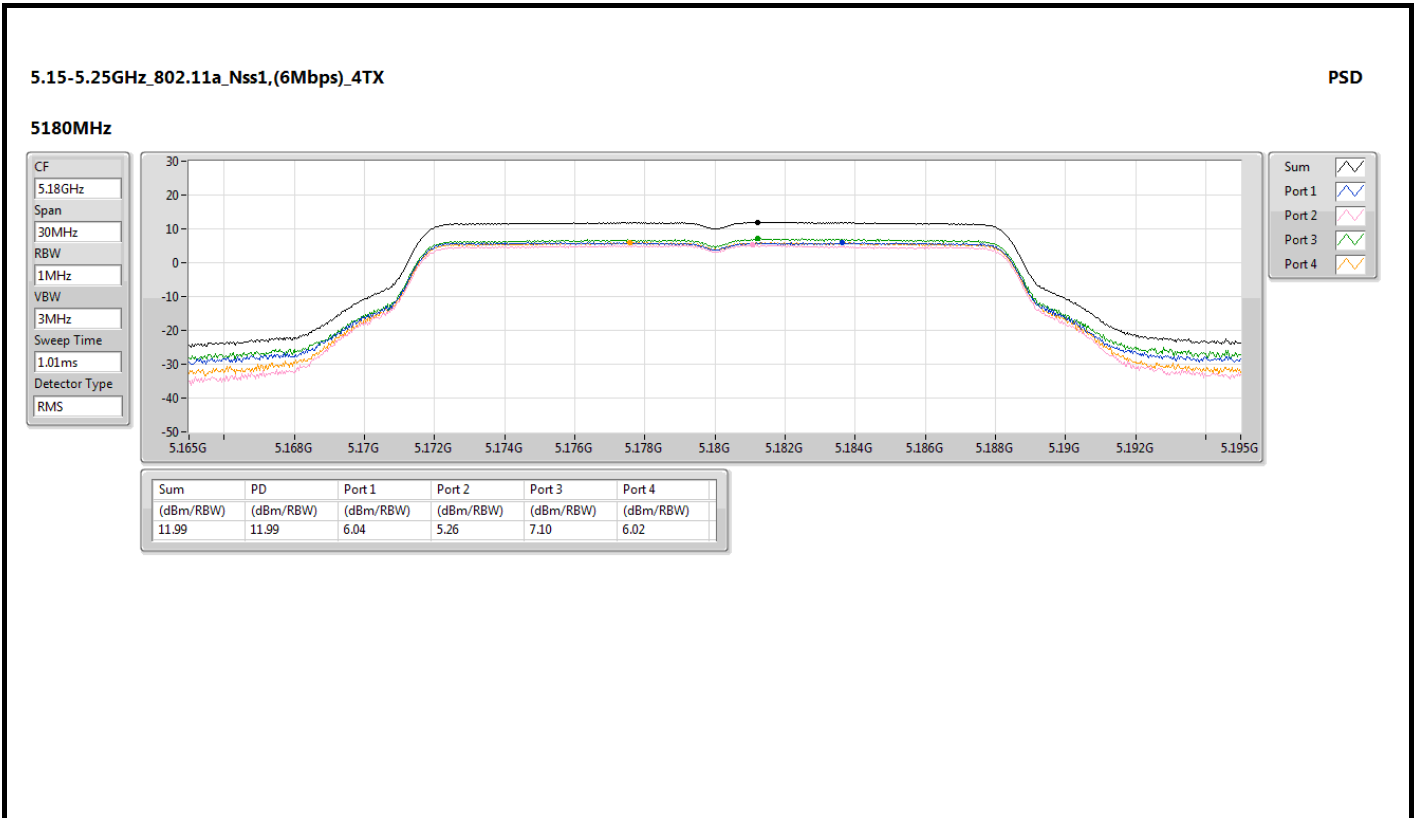
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.05	6.04	5.26	7.10	6.02	11.99	13.95	21.04	23.00
5200MHz	Pass	9.05	7.72	7.05	8.67	7.99	13.73	13.95	22.78	23.00
5240MHz	Pass	9.05	7.67	7.07	8.74	7.91	13.72	13.95	22.77	23.00
5260MHz	Pass	9.05	1.48	1.16	2.35	2.16	7.63	7.95	16.68	17.00
5300MHz	Pass	9.05	1.49	1.38	2.49	2.37	7.76	7.95	16.81	17.00
5320MHz	Pass	9.05	1.60	1.49	2.47	2.27	7.83	7.95	16.88	17.00
5500MHz	Pass	9.05	1.48	1.74	2.19	2.14	7.73	7.95	16.78	17.00
5580MHz	Pass	9.05	1.40	1.73	2.35	2.23	7.78	7.95	16.83	17.00
5700MHz	Pass	9.05	1.20	1.93	2.58	1.73	7.71	7.95	16.76	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	9.05	0.88	1.56	2.59	1.45	7.53	7.95	16.58	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	9.02	-0.29	0.02	0.95	-0.02	6.05	26.98	15.07	36.00
5745MHz	Pass	9.02	5.32	5.46	6.02	5.00	11.27	26.98	20.29	36.00
5785MHz	Pass	9.02	4.74	4.80	5.12	4.31	10.60	26.98	19.62	36.00
5825MHz	Pass	9.02	4.23	3.98	4.40	3.81	9.91	26.98	18.93	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.05	5.07	4.31	5.77	4.81	10.82	13.95	19.87	23.00
5200MHz	Pass	9.05	7.86	6.92	8.72	7.72	13.71	13.95	22.76	23.00
5240MHz	Pass	9.05	7.54	6.75	8.59	7.82	13.45	13.95	22.50	23.00
5260MHz	Pass	9.05	1.61	1.00	2.50	2.01	7.65	7.95	16.70	17.00
5300MHz	Pass	9.05	1.45	1.49	2.57	2.22	7.71	7.95	16.76	17.00
5320MHz	Pass	9.05	1.34	1.21	2.56	2.09	7.60	7.95	16.65	17.00
5500MHz	Pass	9.05	1.29	1.68	2.24	1.91	7.58	7.95	16.63	17.00
5580MHz	Pass	9.05	1.33	1.58	2.08	2.21	7.62	7.95	16.67	17.00
5700MHz	Pass	9.05	0.67	1.38	1.98	0.98	7.08	7.95	16.13	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	9.05	1.26	1.63	2.44	1.58	7.54	7.95	16.59	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	9.02	-0.51	0.15	1.04	0.09	5.99	26.98	15.01	36.00
5745MHz	Pass	9.02	4.78	4.75	5.31	4.39	10.59	26.98	19.61	36.00
5785MHz	Pass	9.02	4.30	4.28	4.68	3.75	10.02	26.98	19.04	36.00
5825MHz	Pass	9.02	3.75	3.34	4.05	3.24	9.38	26.98	18.40	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.05	0.11	-0.33	1.20	0.67	6.12	13.95	15.17	23.00
5230MHz	Pass	9.05	4.65	4.25	6.02	5.27	10.93	13.95	19.98	23.00
5270MHz	Pass	9.05	1.35	1.17	2.35	1.88	7.49	7.95	16.54	17.00
5310MHz	Pass	9.05	-0.31	0.05	0.99	0.63	6.19	7.95	15.24	17.00
5510MHz	Pass	9.05	-1.55	-1.32	-0.91	-1.40	4.51	7.95	13.56	17.00
5590MHz	Pass	9.05	1.65	2.02	2.42	1.84	7.78	7.95	16.83	17.00
5670MHz	Pass	9.05	0.92	1.18	1.93	0.83	7.07	7.95	16.12	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	9.05	1.21	1.72	2.43	1.13	7.56	7.95	16.61	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	9.02	-0.95	-0.30	0.31	-0.74	5.40	26.98	14.42	36.00
5755MHz	Pass	9.02	3.95	4.18	4.57	3.77	10.04	26.98	19.06	36.00
5795MHz	Pass	9.02	4.36	4.21	4.87	3.95	10.14	26.98	19.16	36.00
802.11ax	-	-	-	-	-	-	-	-	-	-

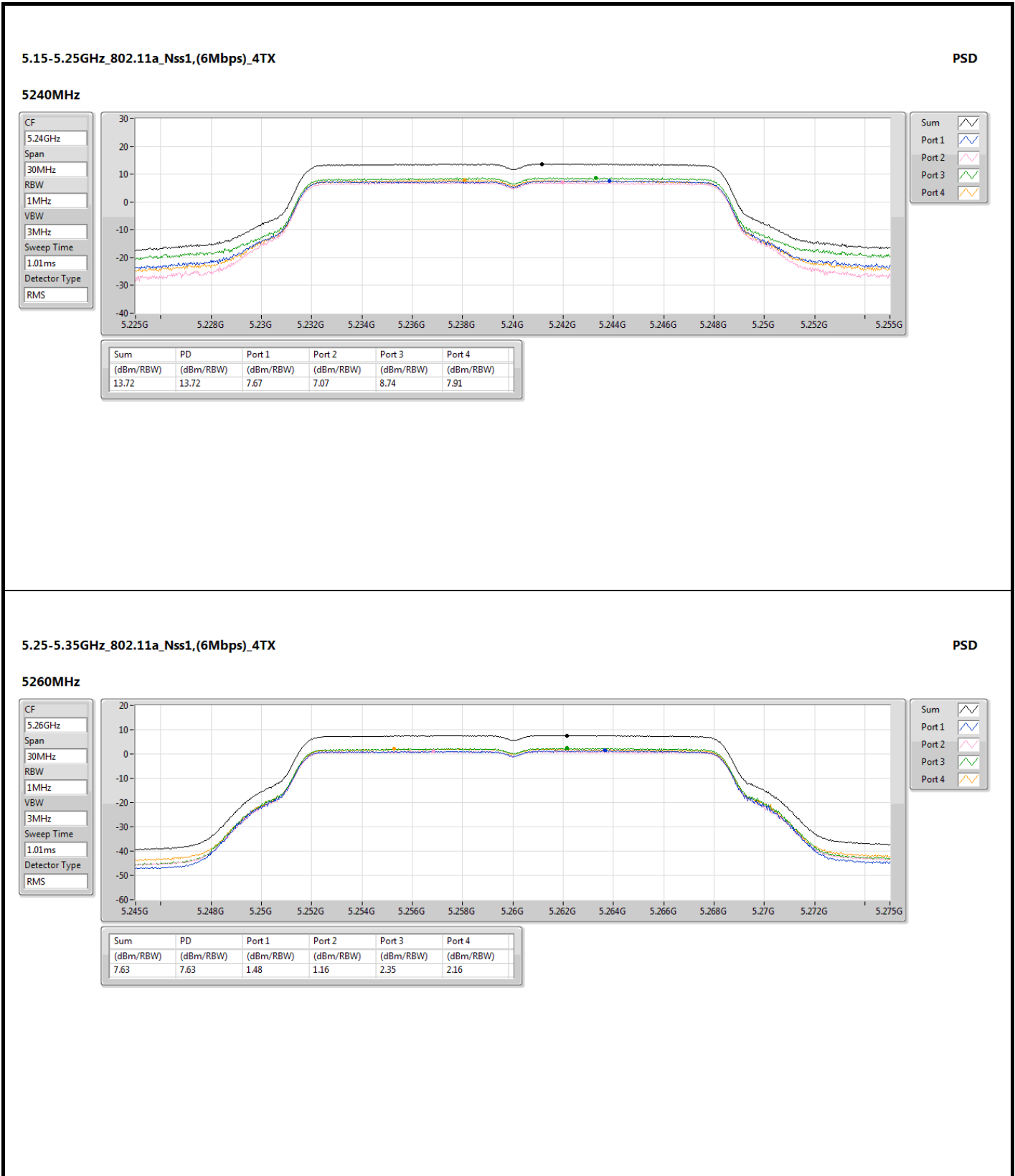


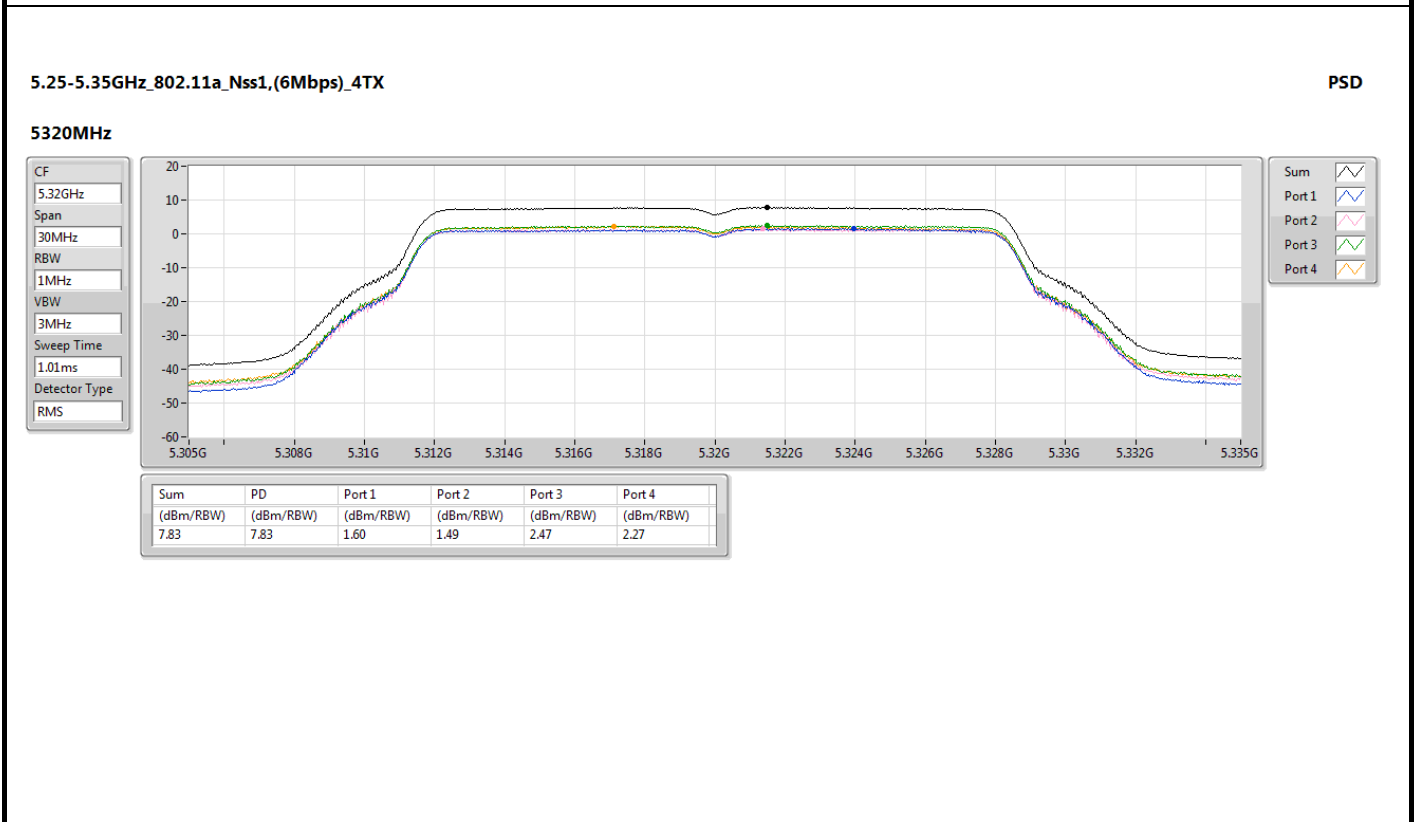
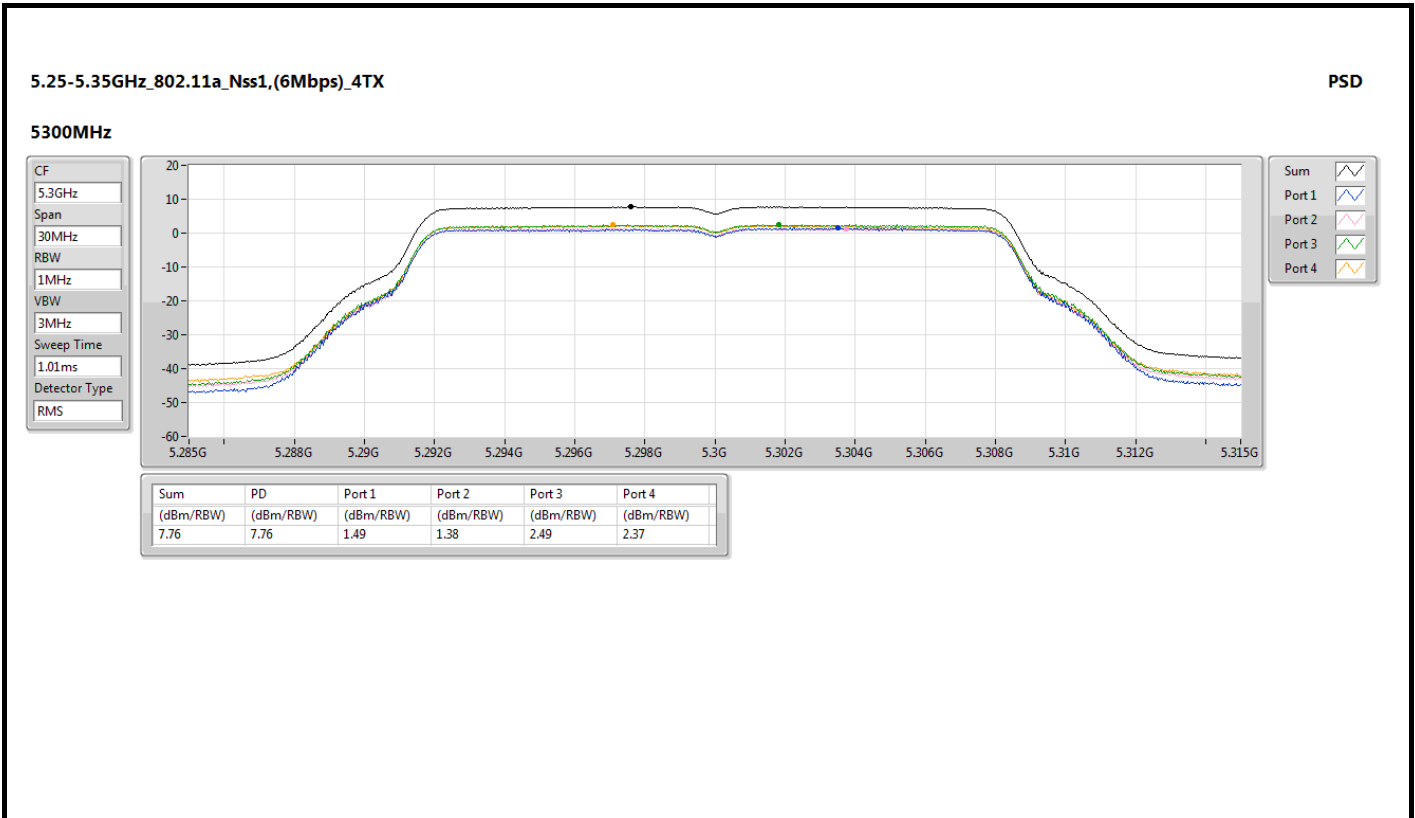
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
HEW80_Nss1,(MCS0)_4TX-OFDMA										
5210MHz	Pass	9.05	-3.71	-4.47	-2.95	-3.34	2.12	13.95	11.17	23.00
5290MHz	Pass	9.05	-4.86	-5.20	-3.76	-4.19	1.34	7.95	10.39	17.00
5530MHz	Pass	9.05	-5.17	-4.82	-4.17	-4.59	1.18	7.95	10.23	17.00
5610MHz	Pass	9.05	-1.79	-1.94	-1.30	-2.23	4.03	7.95	13.08	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	9.05	-1.29	-1.62	-0.52	-1.58	4.66	7.95	13.71	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	9.02	-3.96	-4.42	-3.06	-4.29	1.94	26.98	10.96	36.00
5775MHz	Pass	9.02	0.04	-0.27	0.06	-0.34	5.70	26.98	14.72	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	9.05	-8.25	-8.21	-7.29	-7.90	-2.03	13.95	7.02	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	9.05	-8.38	-8.08	-6.87	-8.07	-1.92	7.95	7.13	17.00
5570MHz	Pass	9.05	-7.11	-6.64	-6.10	-6.45	-0.83	7.95	8.22	17.00

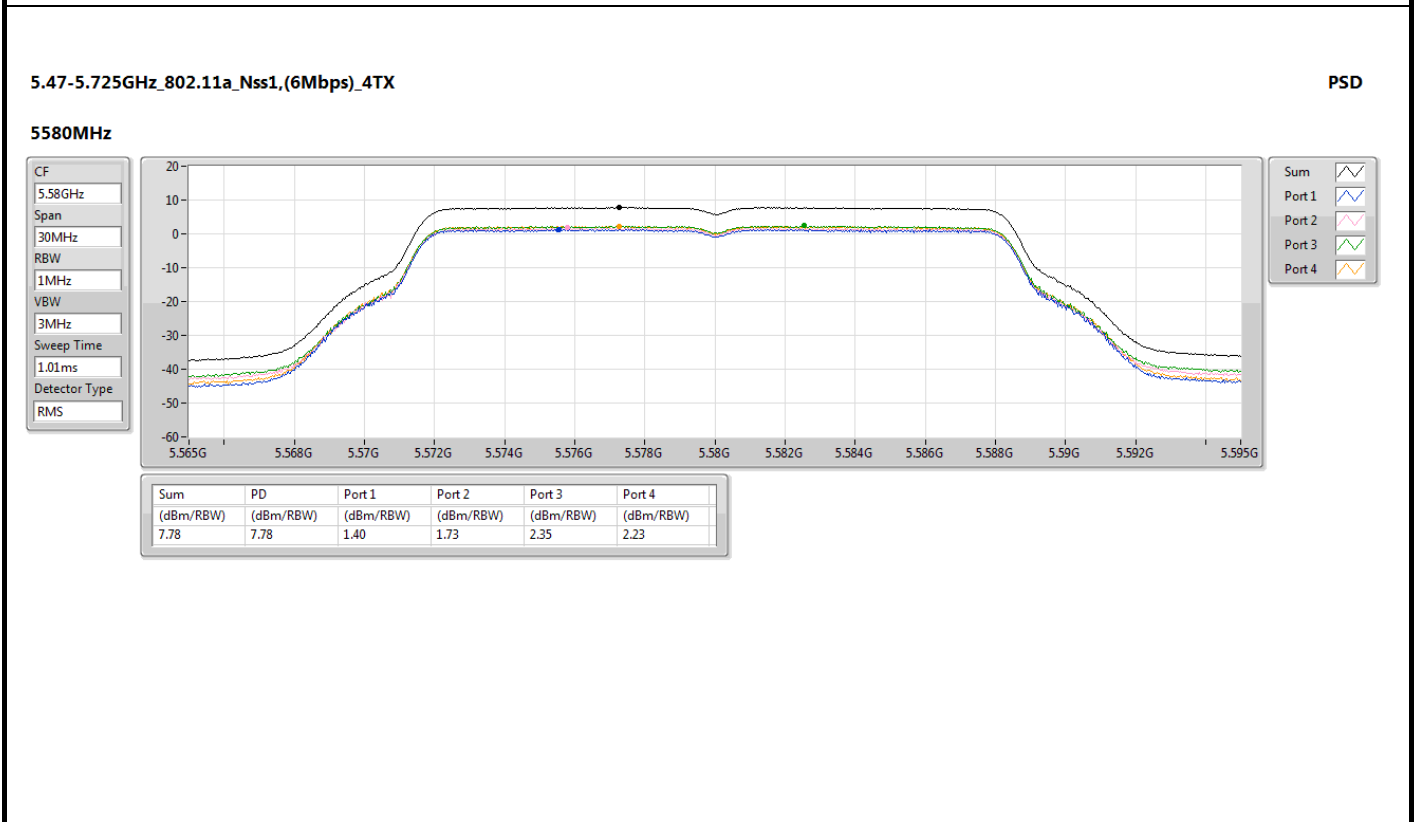
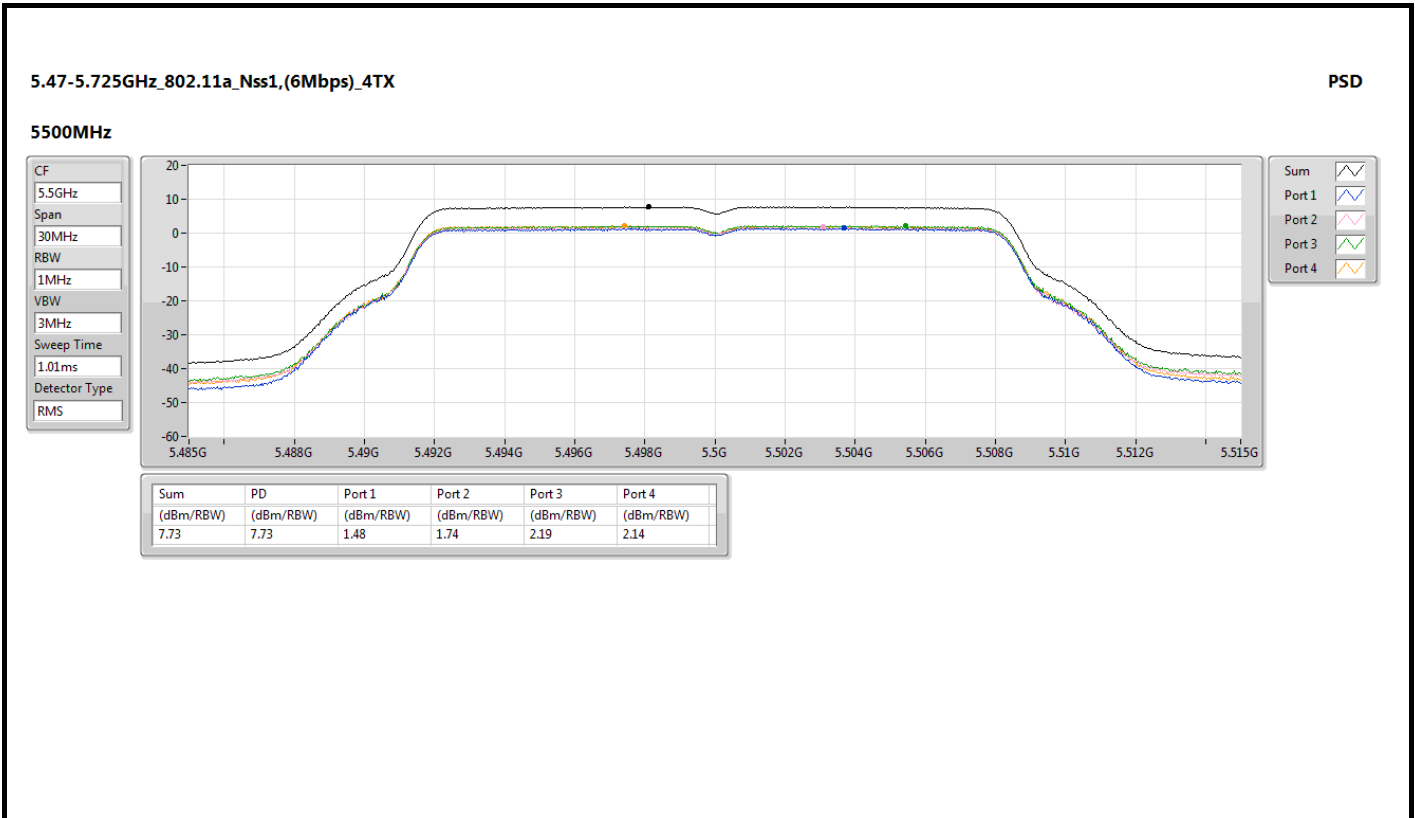
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

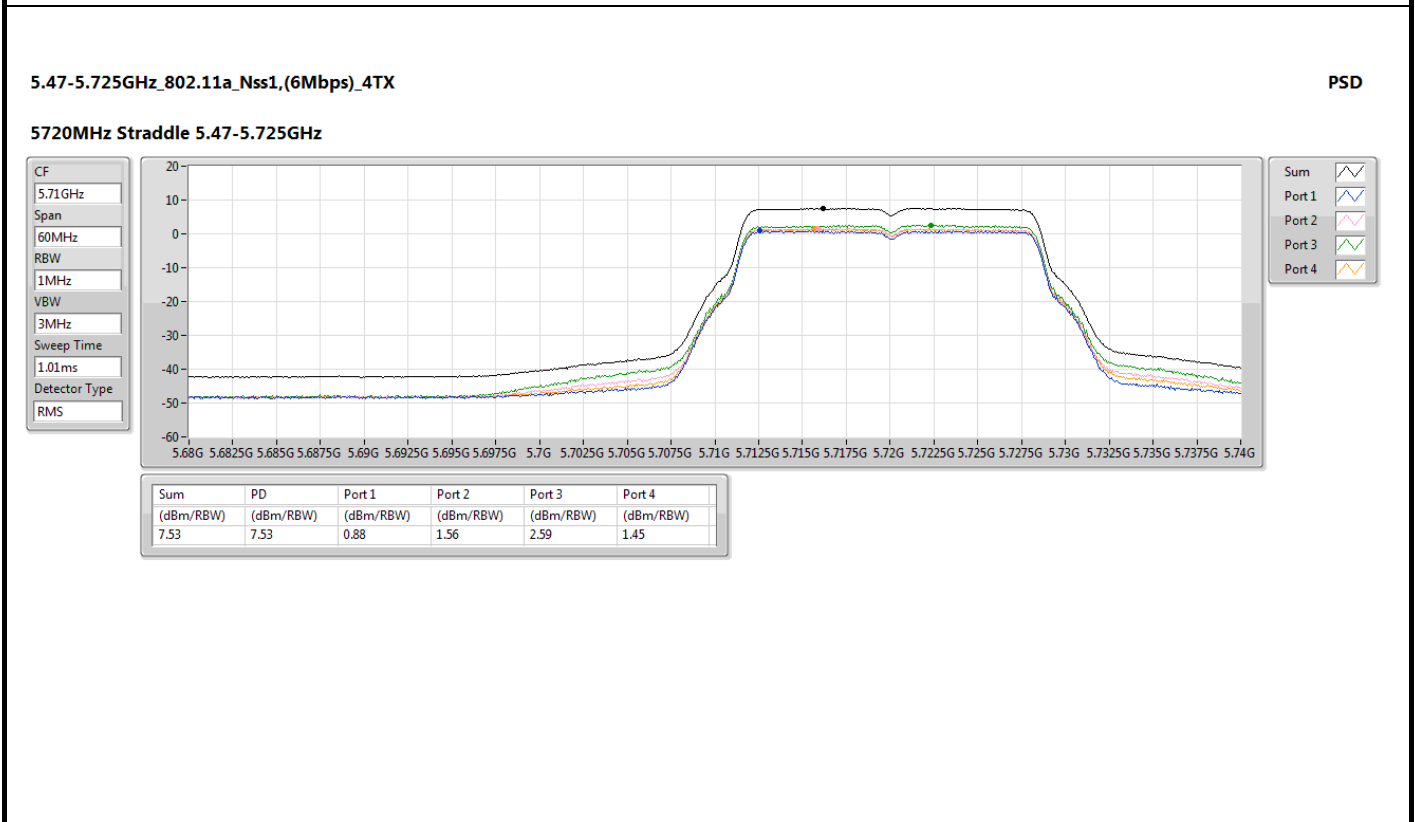
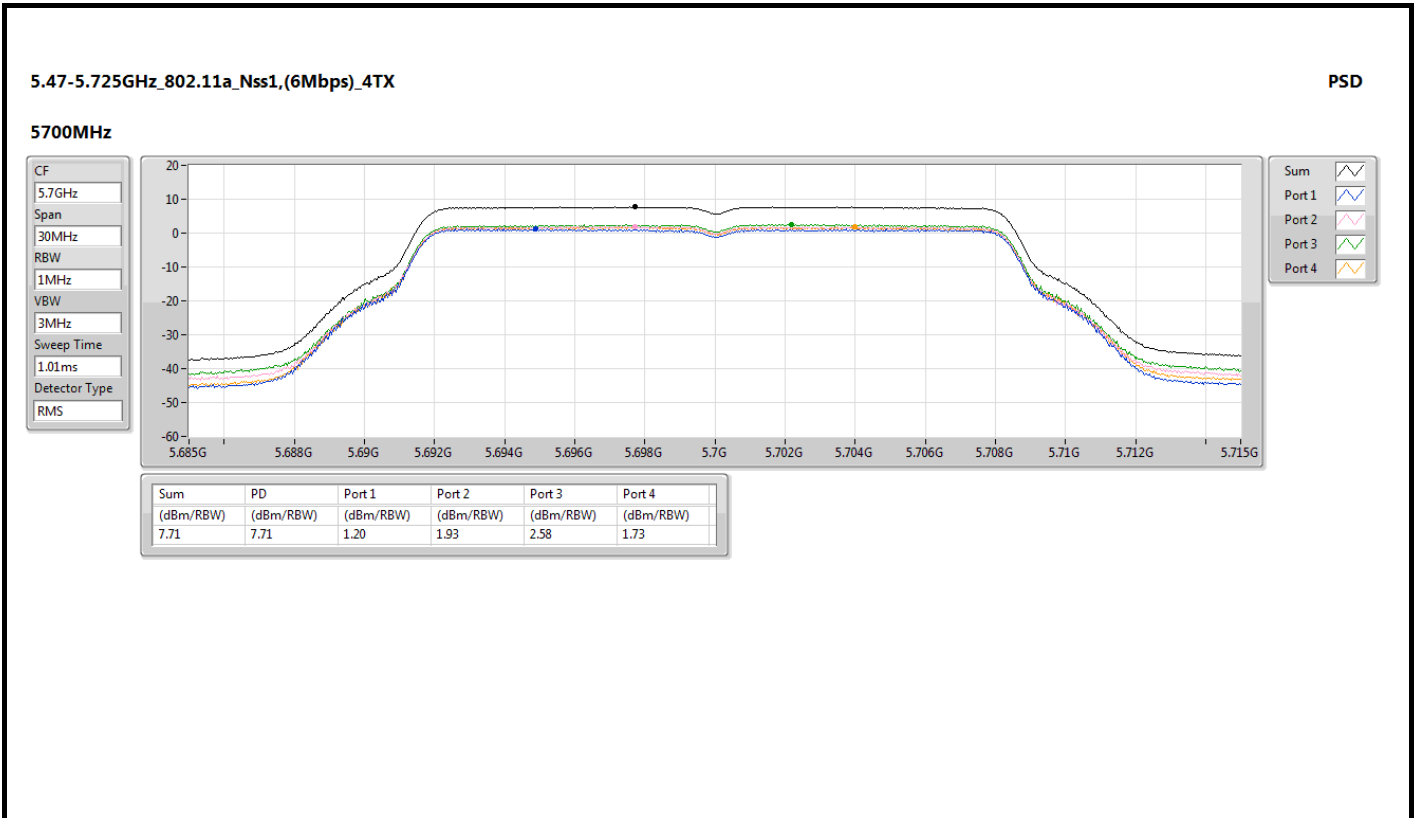
Note:
 For 5180-5240MHz / 5260-5320MHz
 $\text{Directional gain} = 10 \times \log((10^{2.9/20} + 10^{2.7/20} + 10^{3.3/20} + 10^{3.2/20})^2/4) = 9.05 \text{ dBi} > 6 \text{ dBi}$, limit shall be reduced to 17 dBm – (9.05dBi – 6dBi) = 13.95 dBm
 For 5260-5320MHz
 $\text{Directional gain} = 10 \times \log((10^{2.9/20} + 10^{2.7/20} + 10^{3.3/20} + 10^{3.2/20})^2/4) = 9.05 \text{ dBi} > 6 \text{ dBi}$, limit shall be reduced to 11 dBm – (9.05dBi – 6dBi) = 7.95 dBm
 For 5500-5750MHz:
 $\text{Directional gain} = 10 \times \log((10^{3/20} + 10^{2.7/20} + 10^{3.5/20} + 10^{2.9/20})^2/4) = 9.05 \text{ dBi} > 6 \text{ dBi}$, limit shall be reduced to 11 dBm – (9.05dBi – 6dBi) = 7.95 dBm
 For 5745-5825MHz:
 $\text{Directional gain} = 10 \times \log((10^{3.1/20} + 10^{2.8/20} + 10^{3.4/20} + 10^{2.7/20})^2/4) = 9.02 \text{ dBi} > 6 \text{ dBi}$, limit shall be reduced to 30 dBm – (9.02dBi – 6dBi) = 26.98 dBm

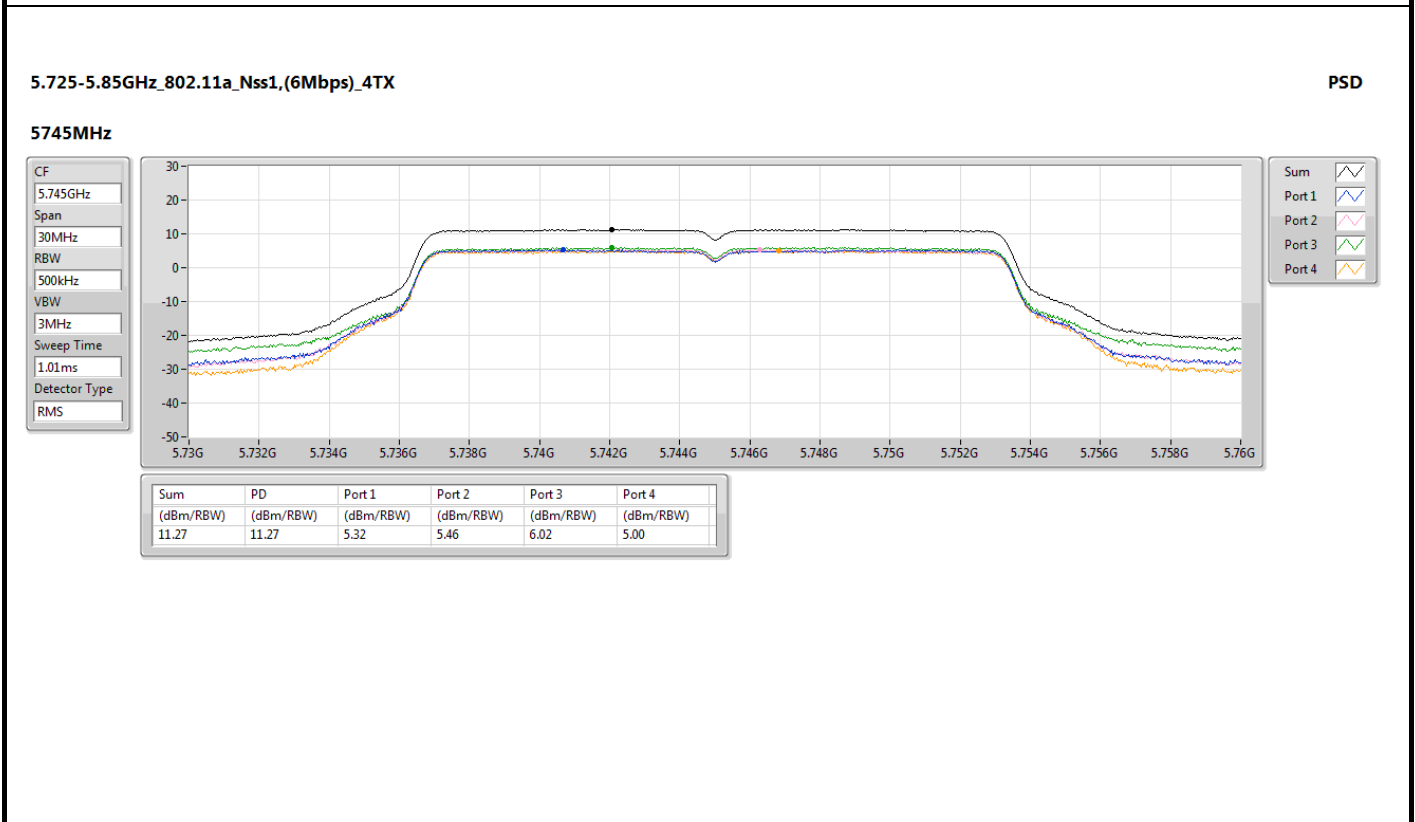
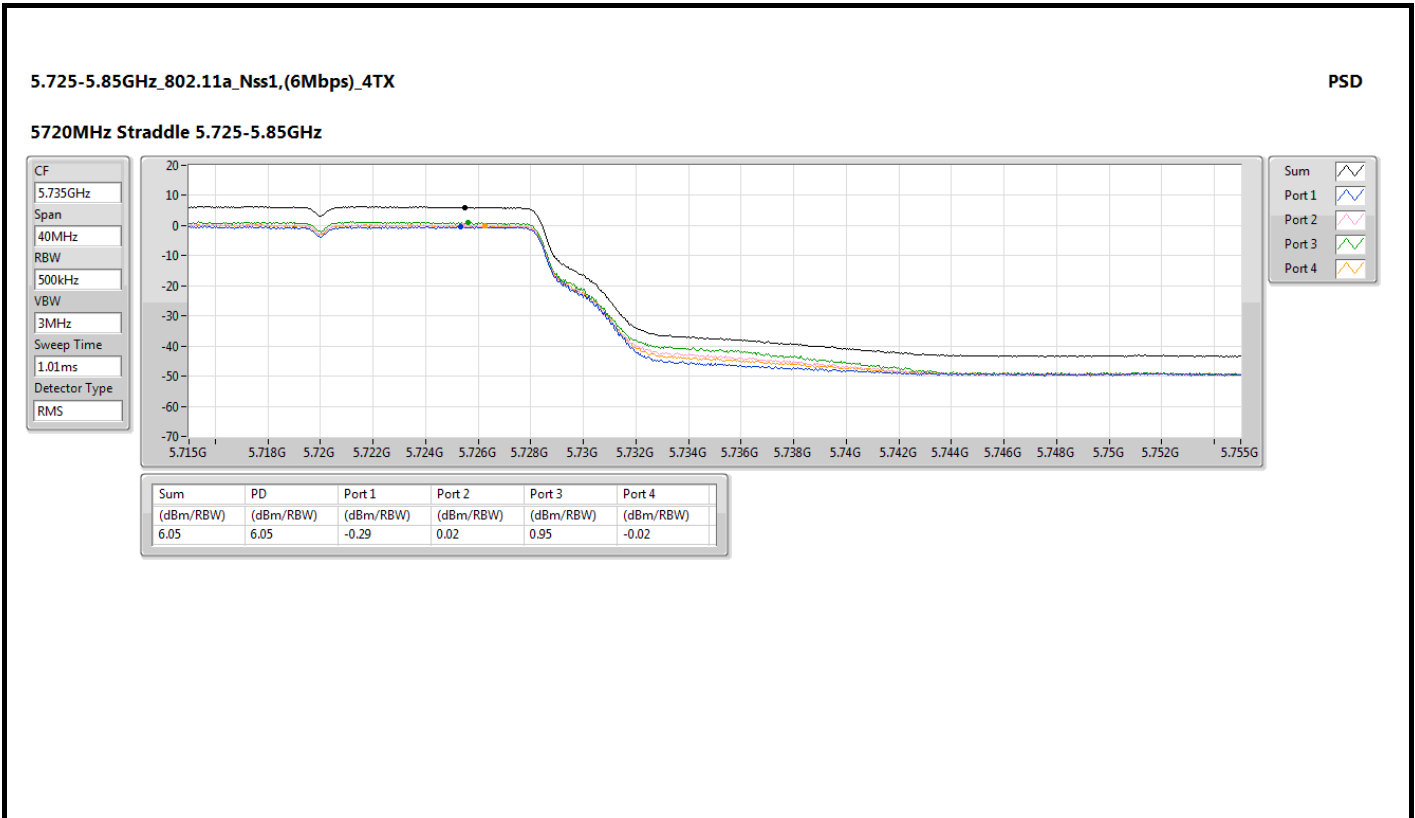


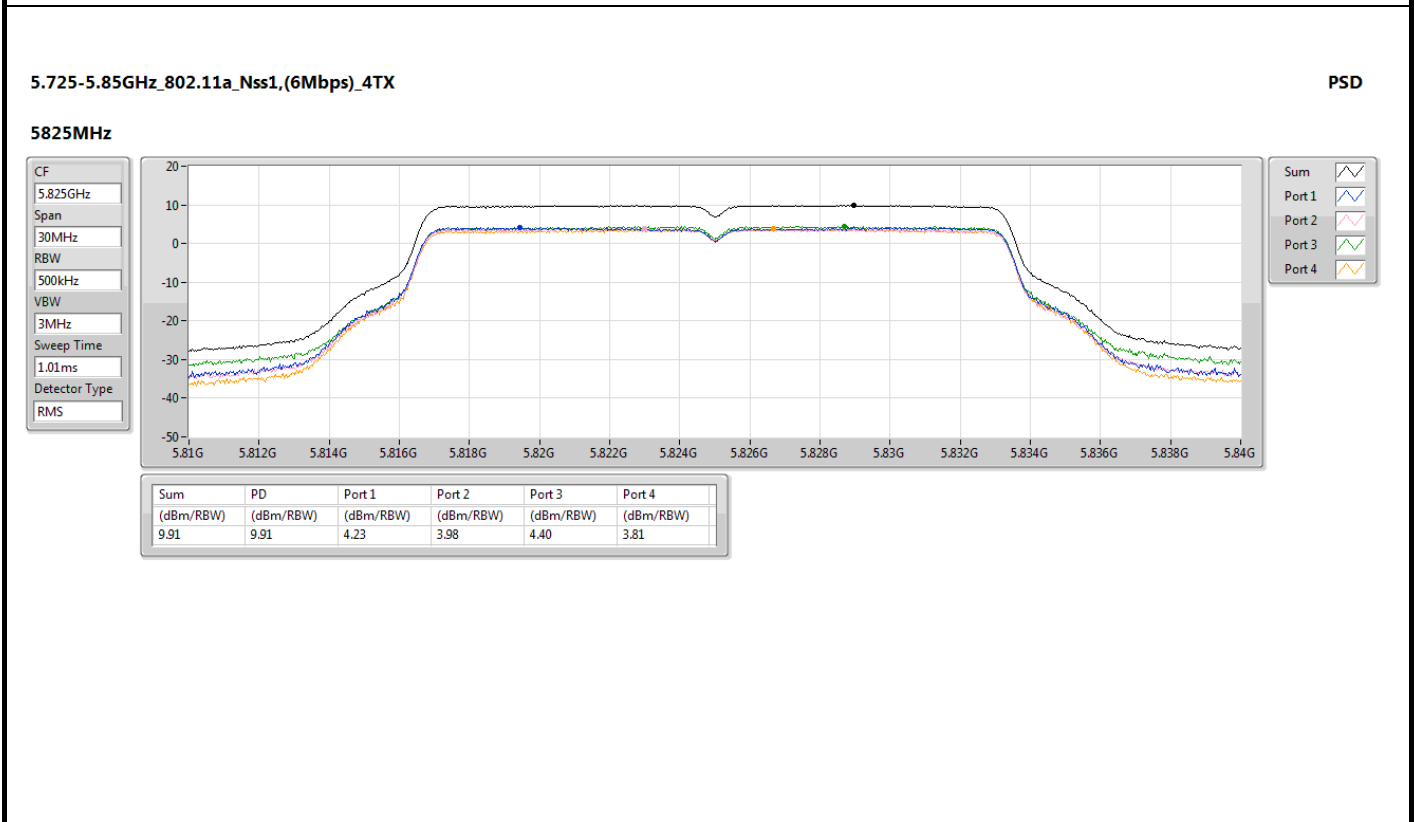
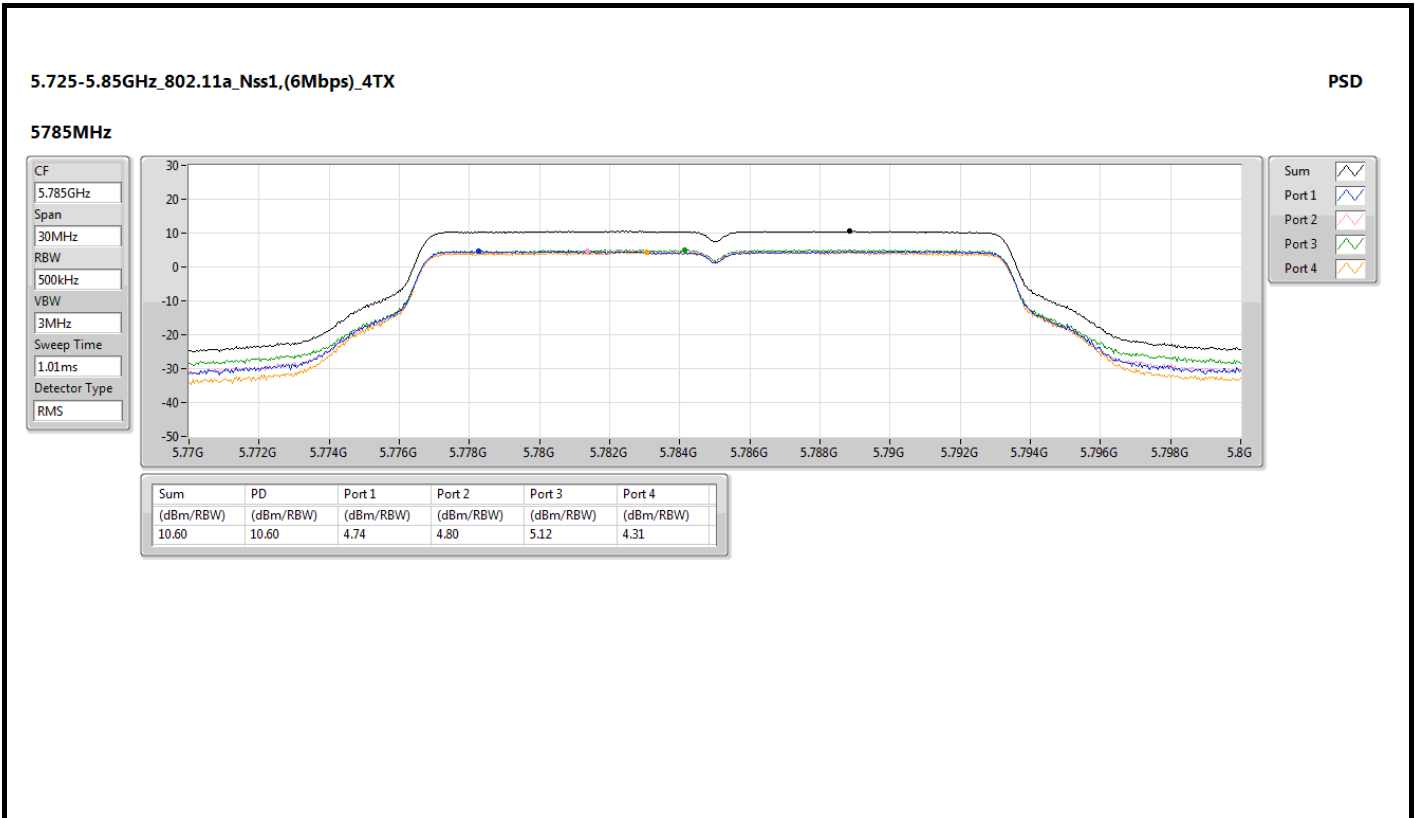


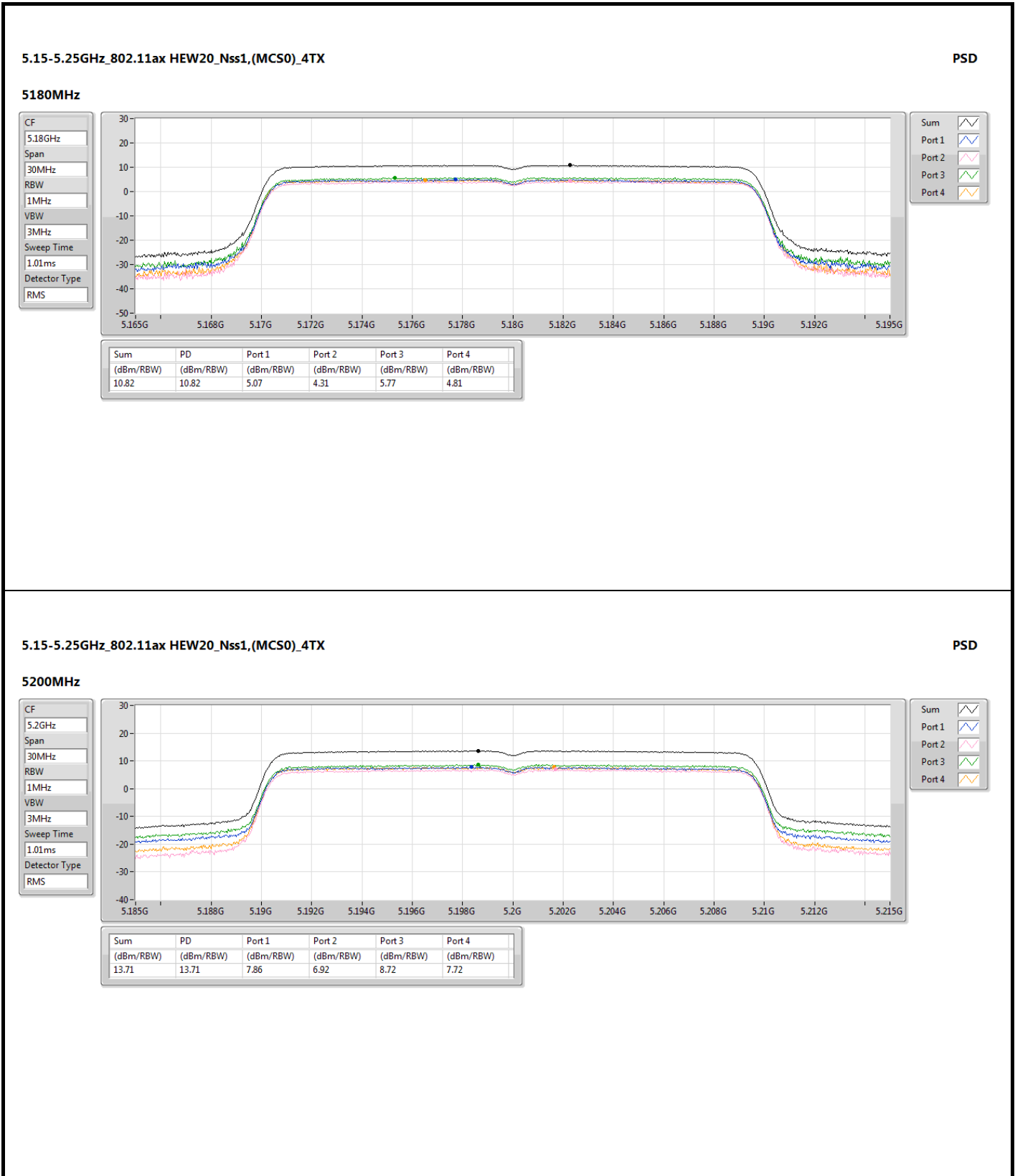


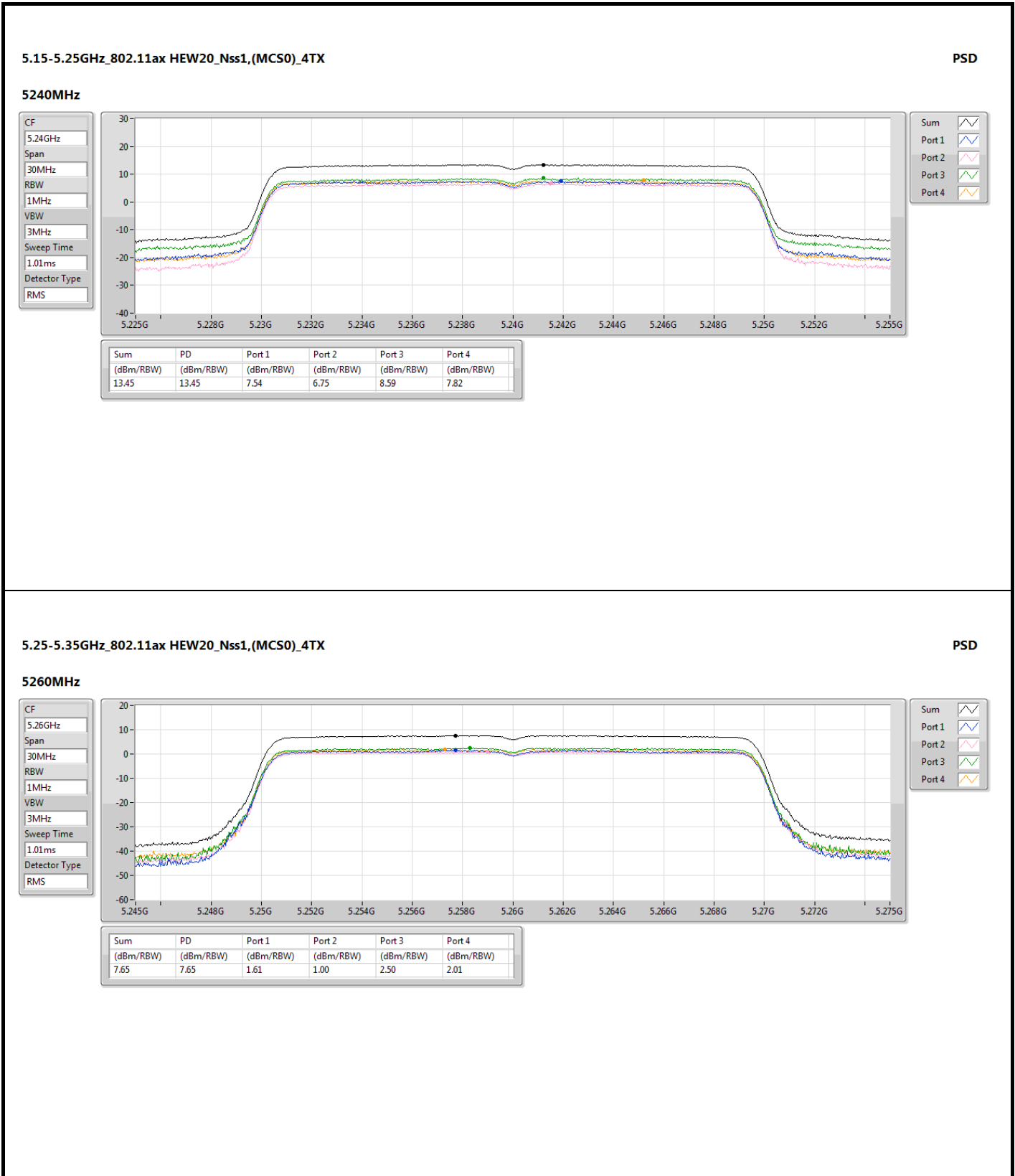


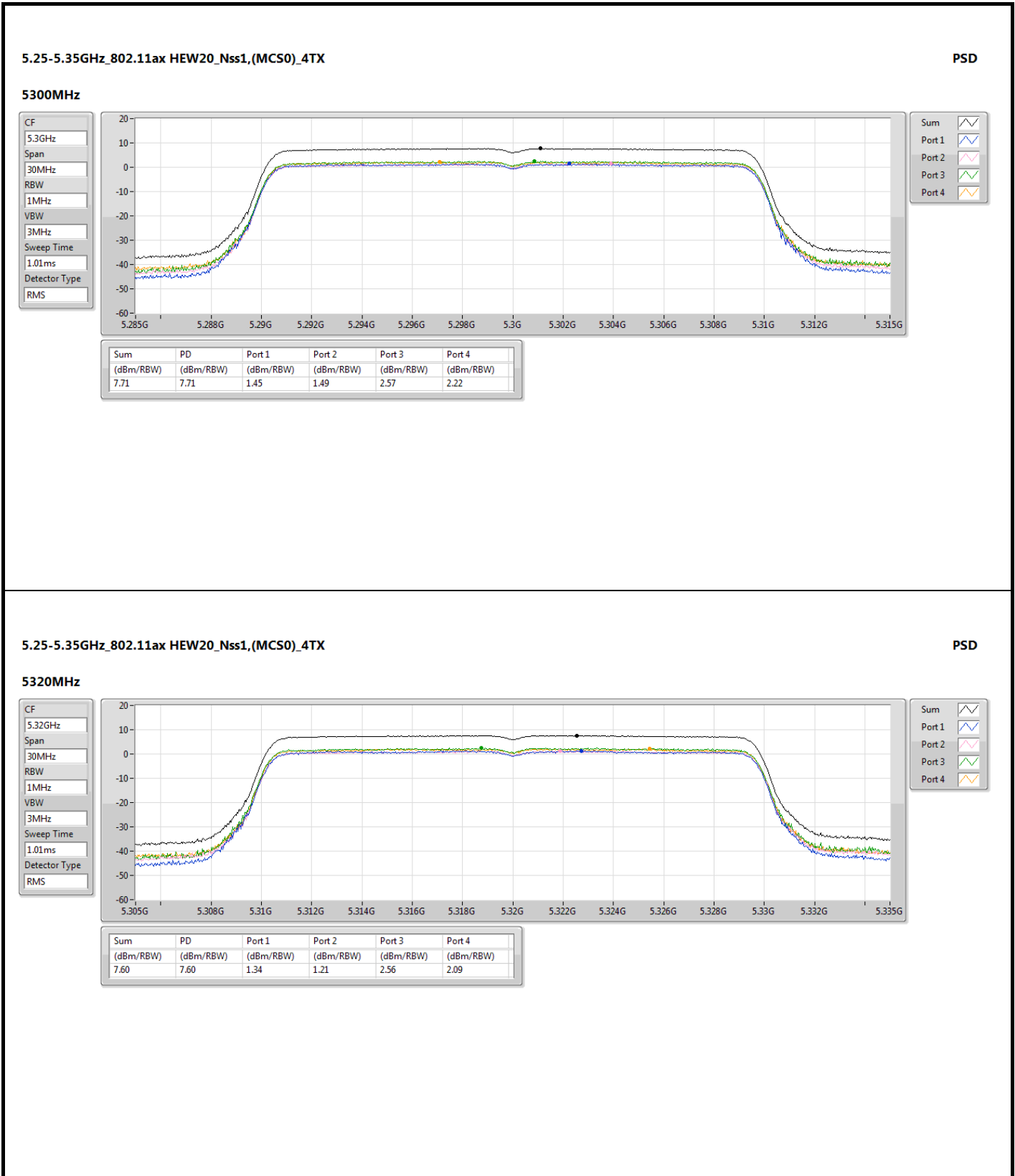




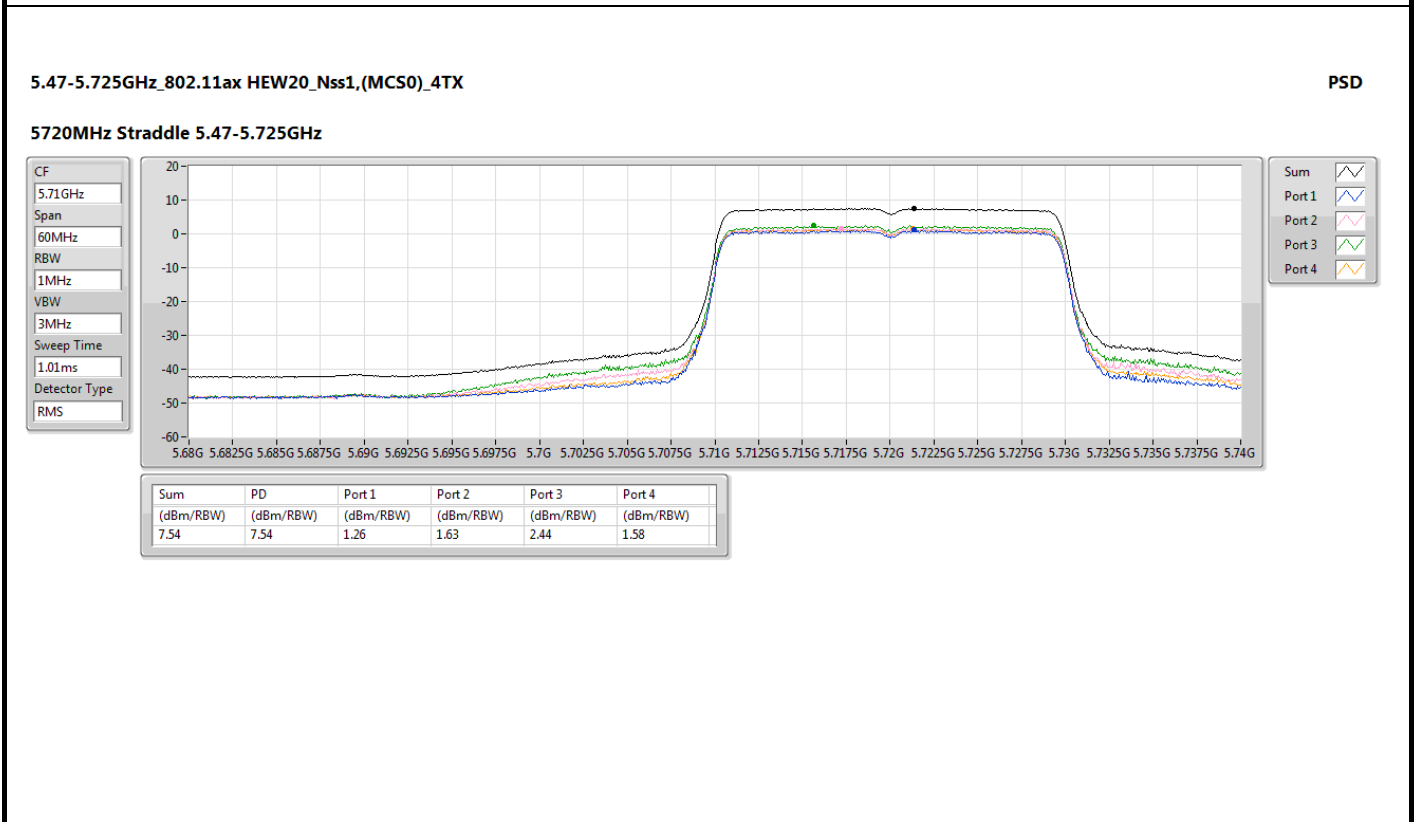
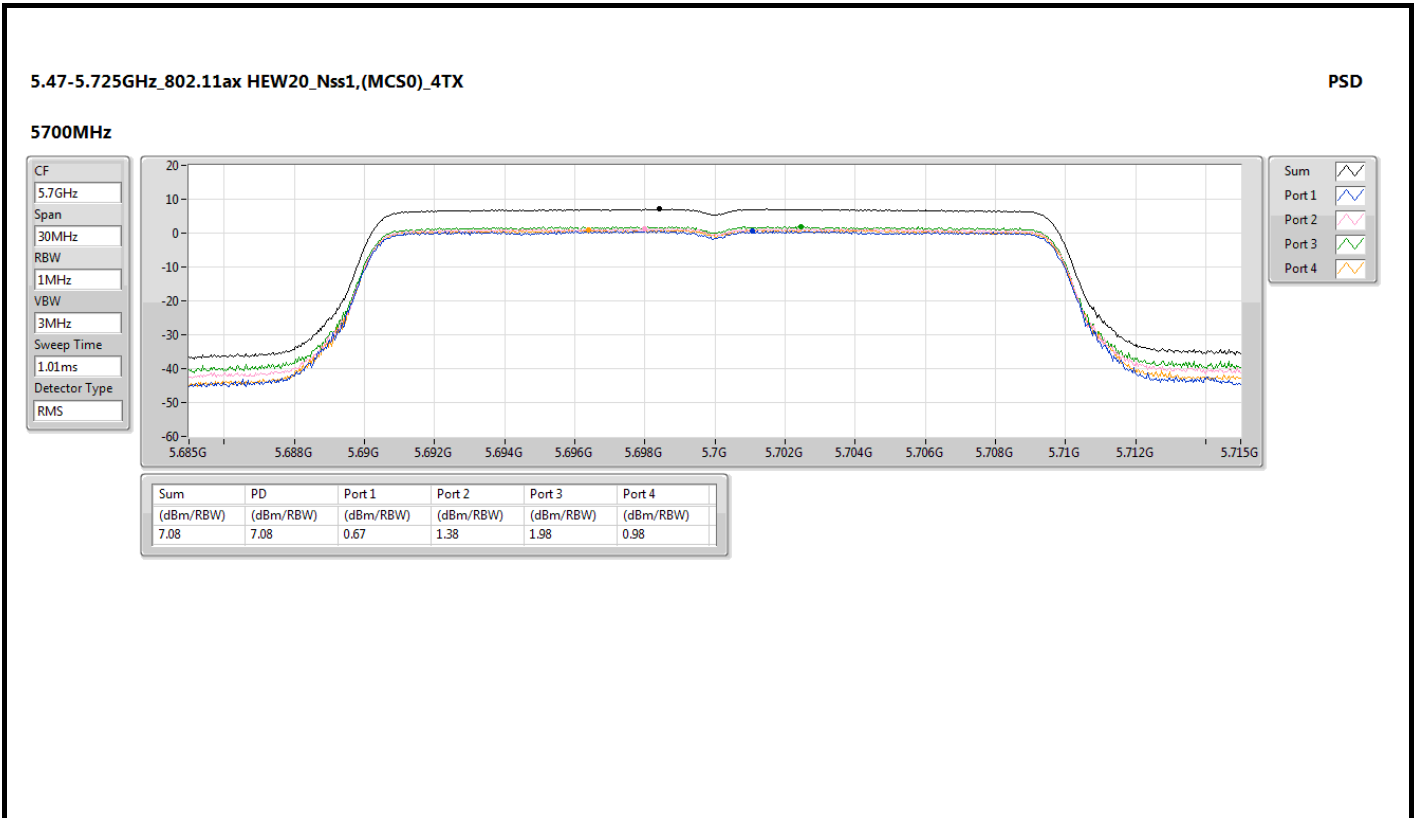


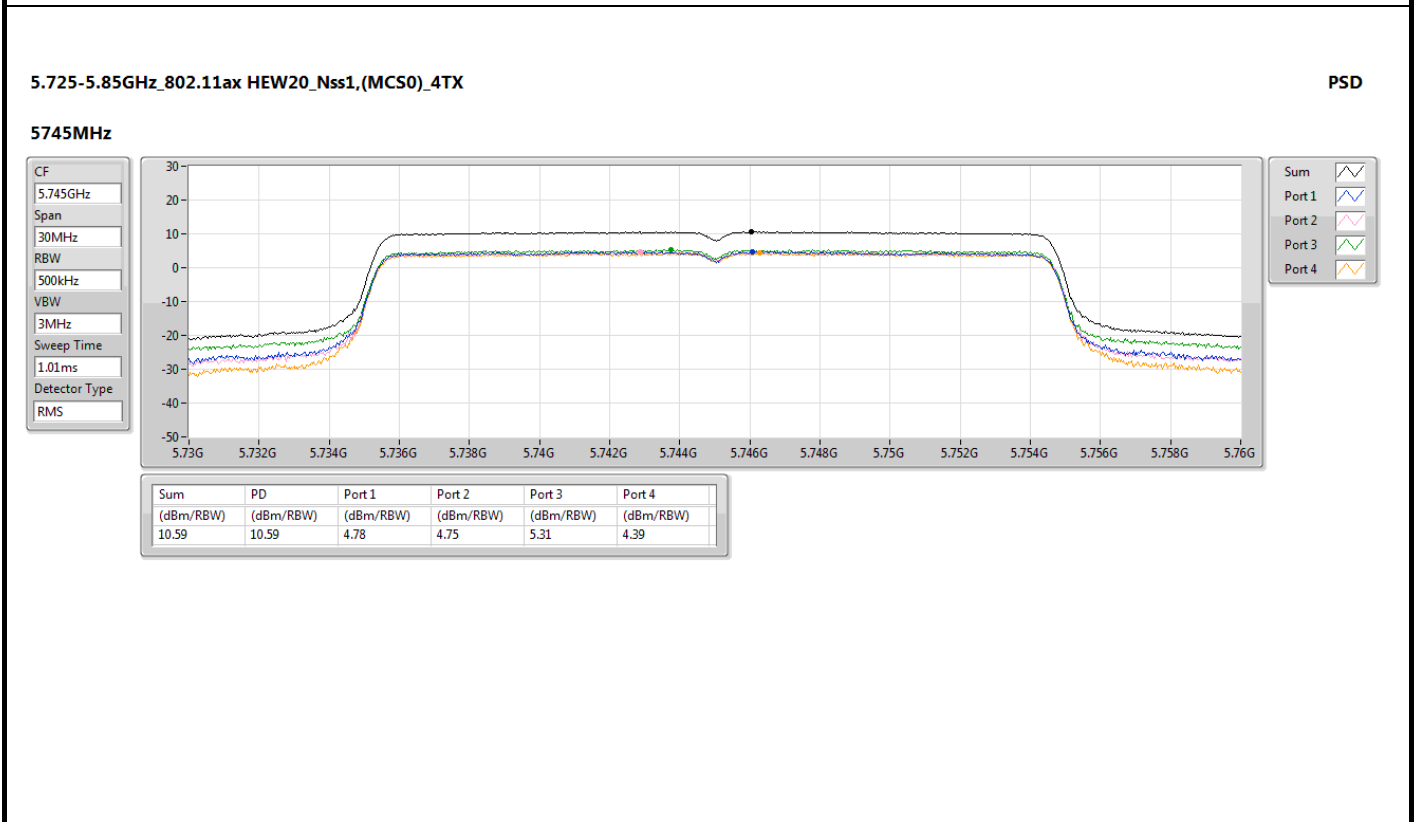
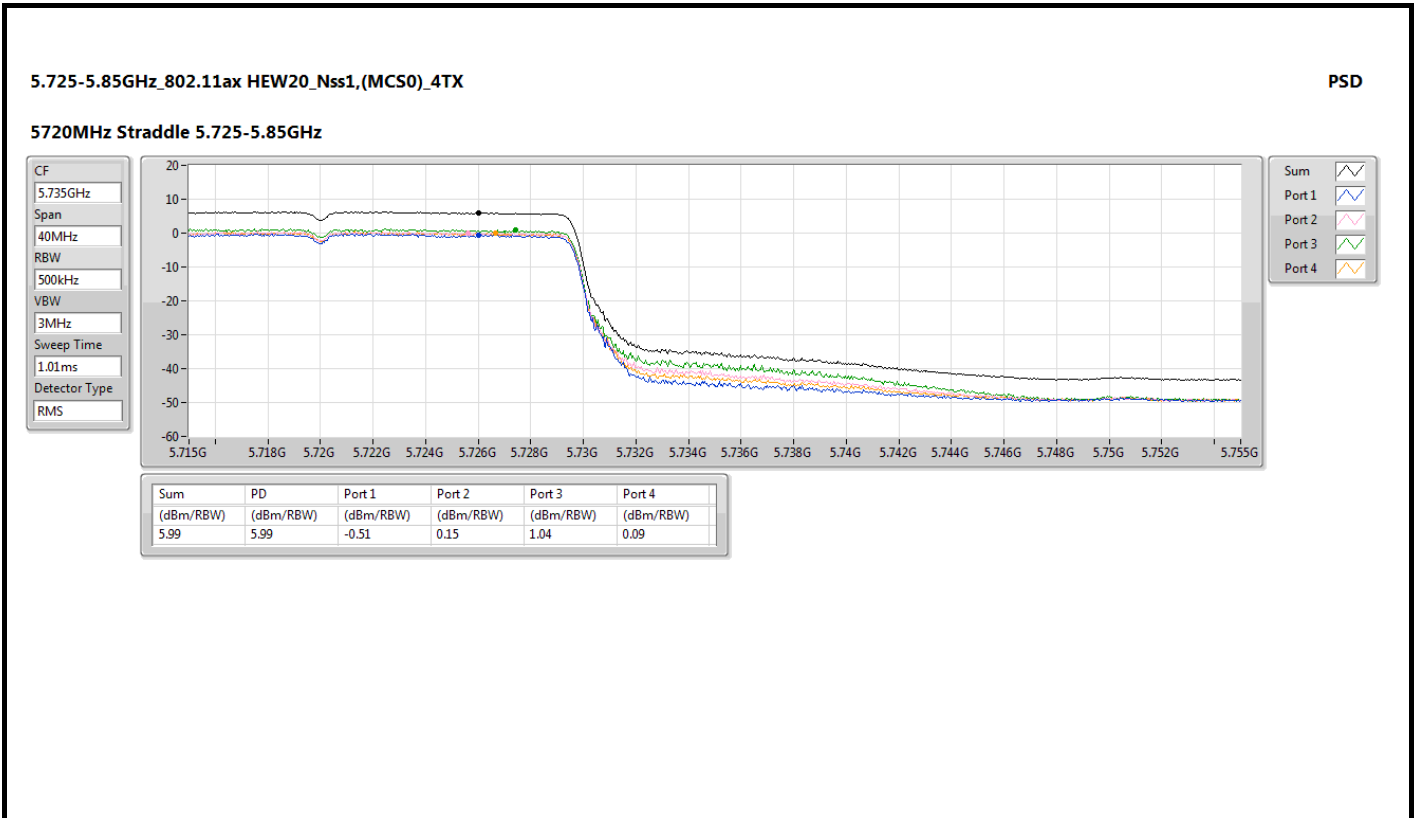


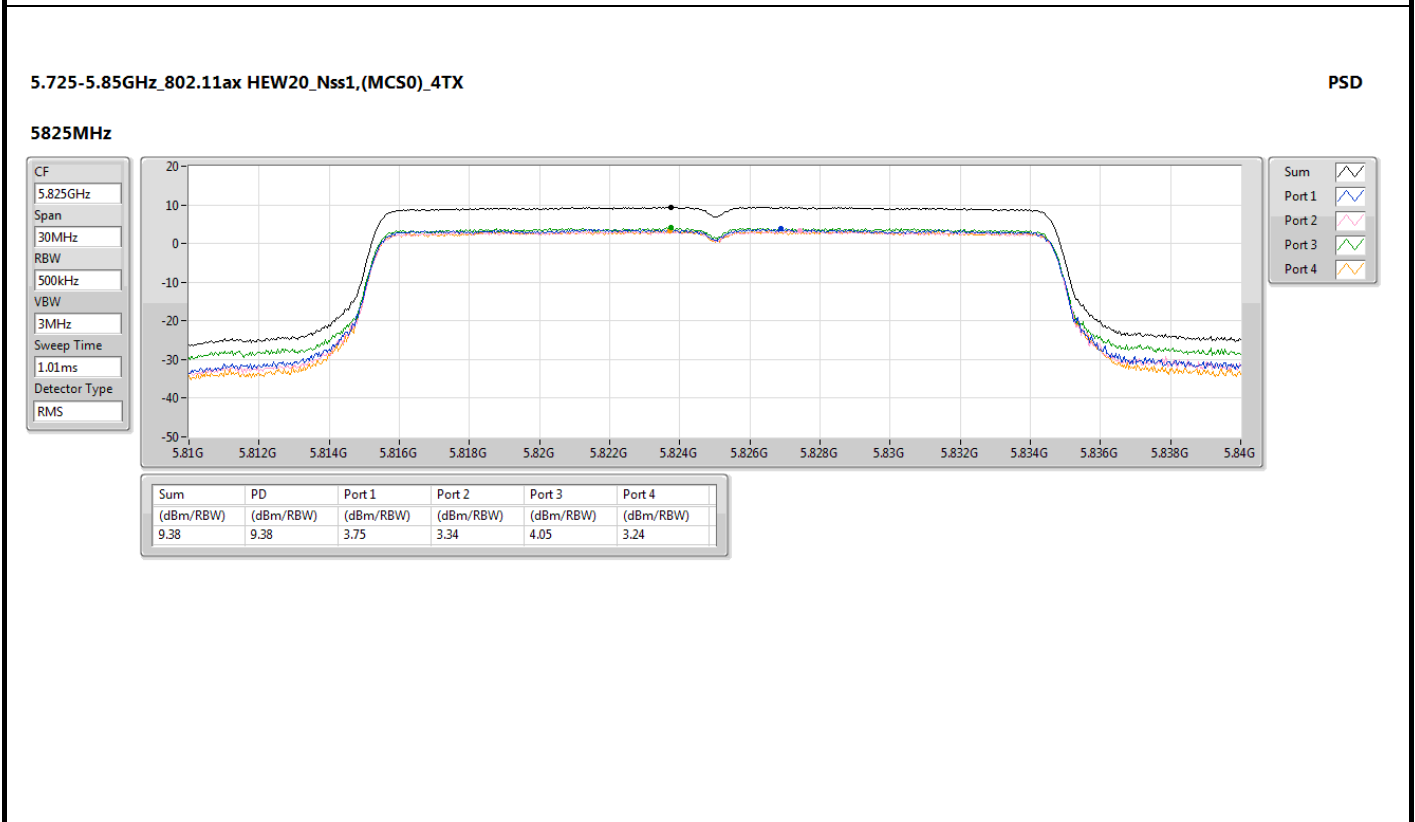
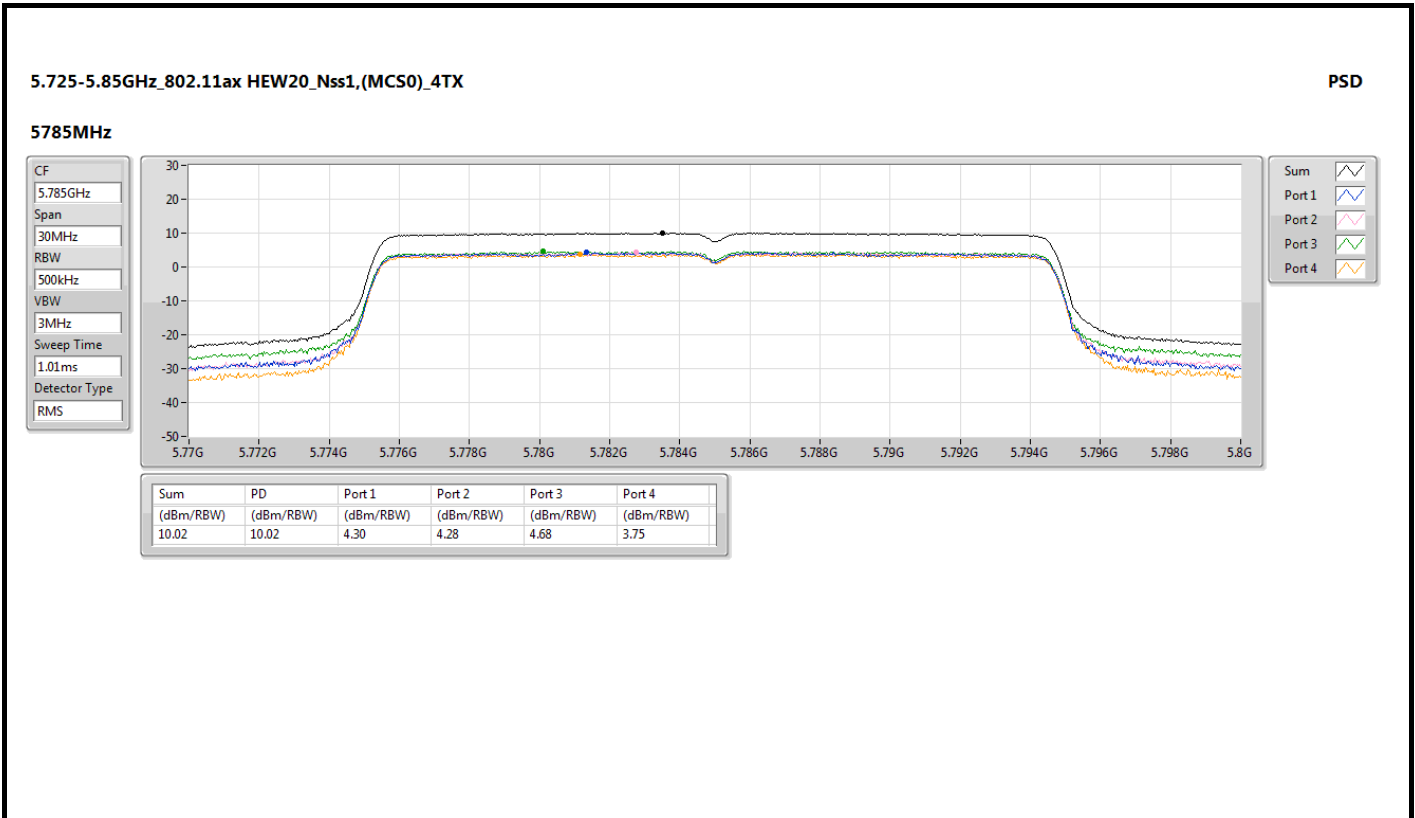


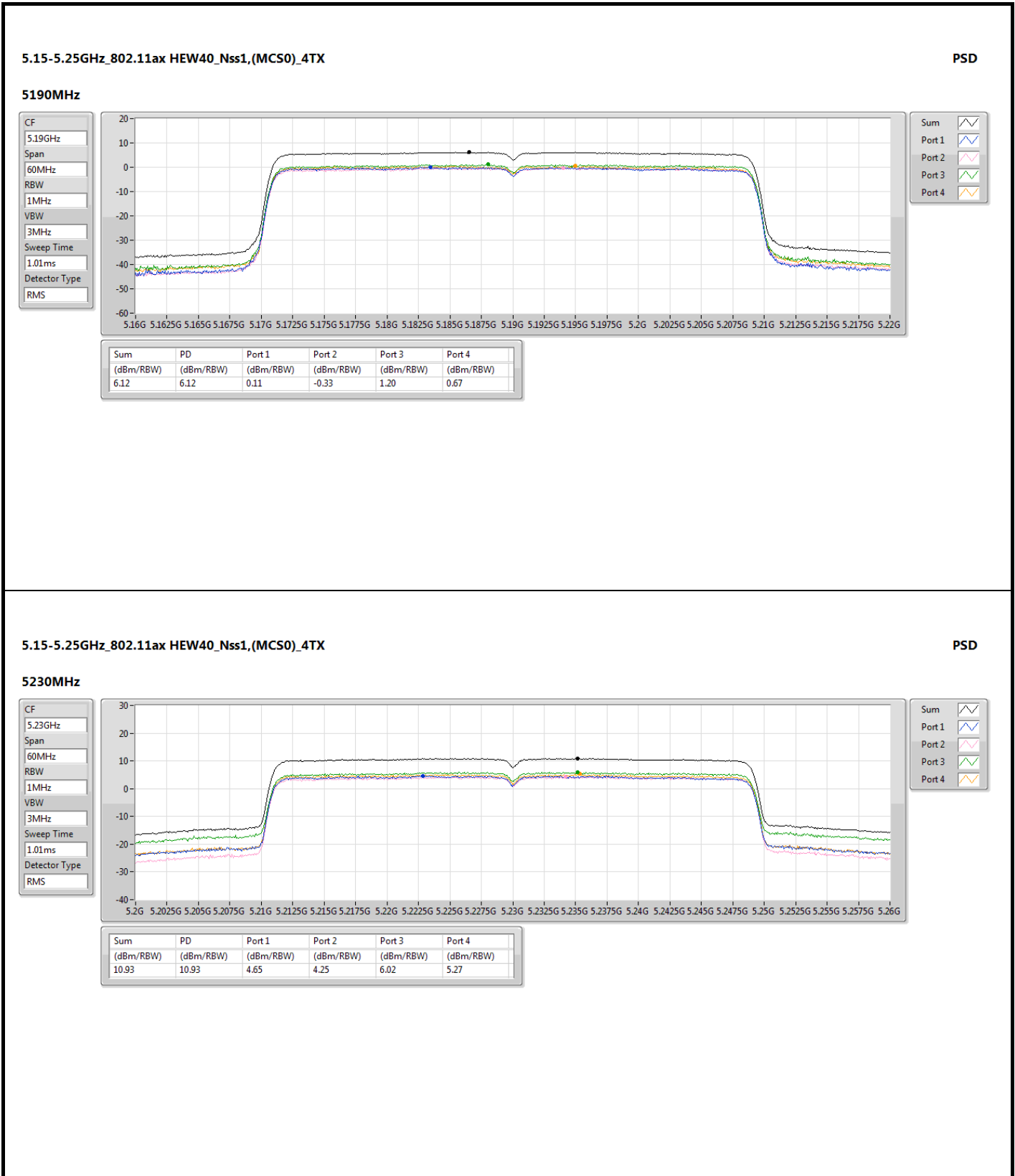


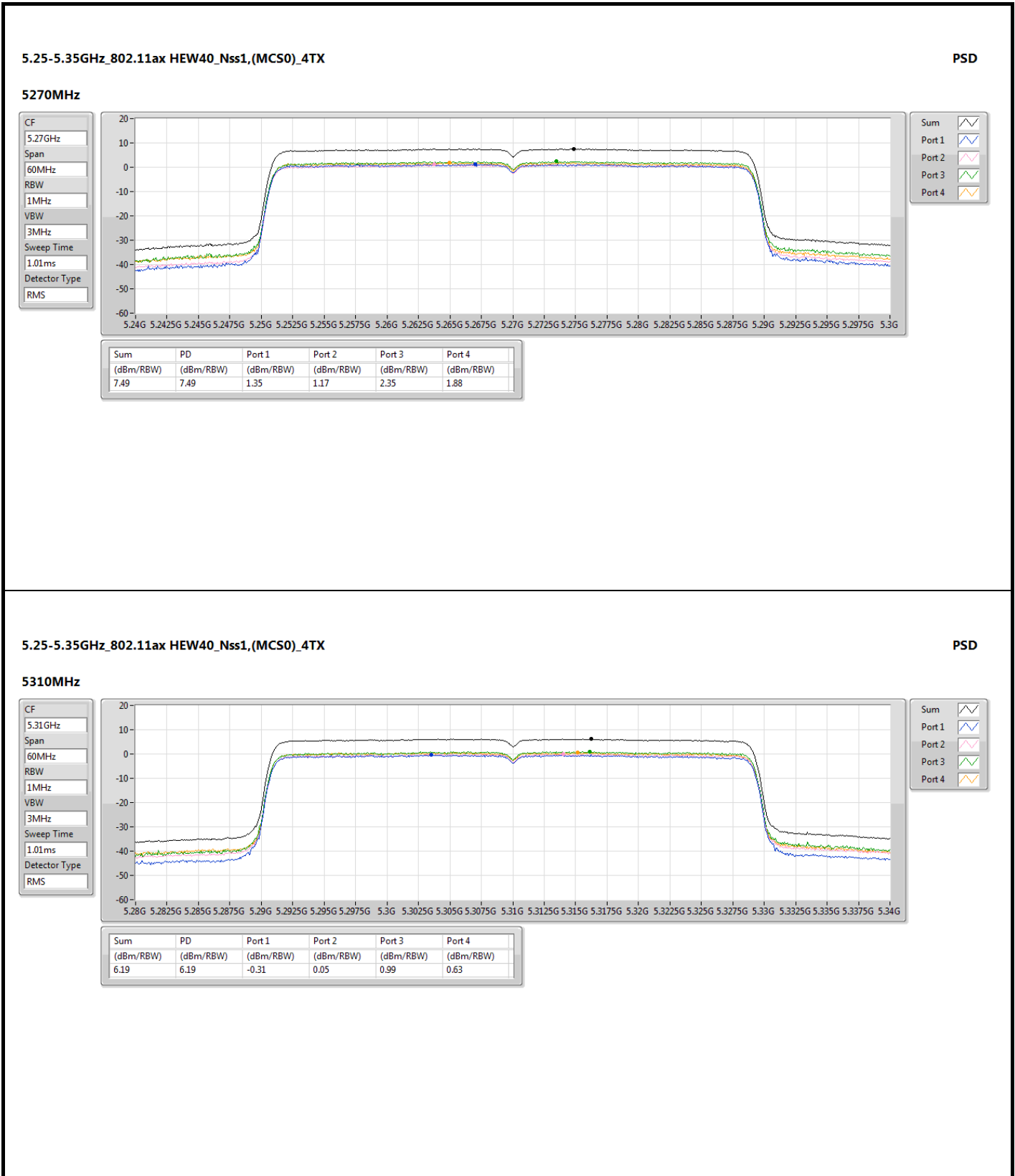


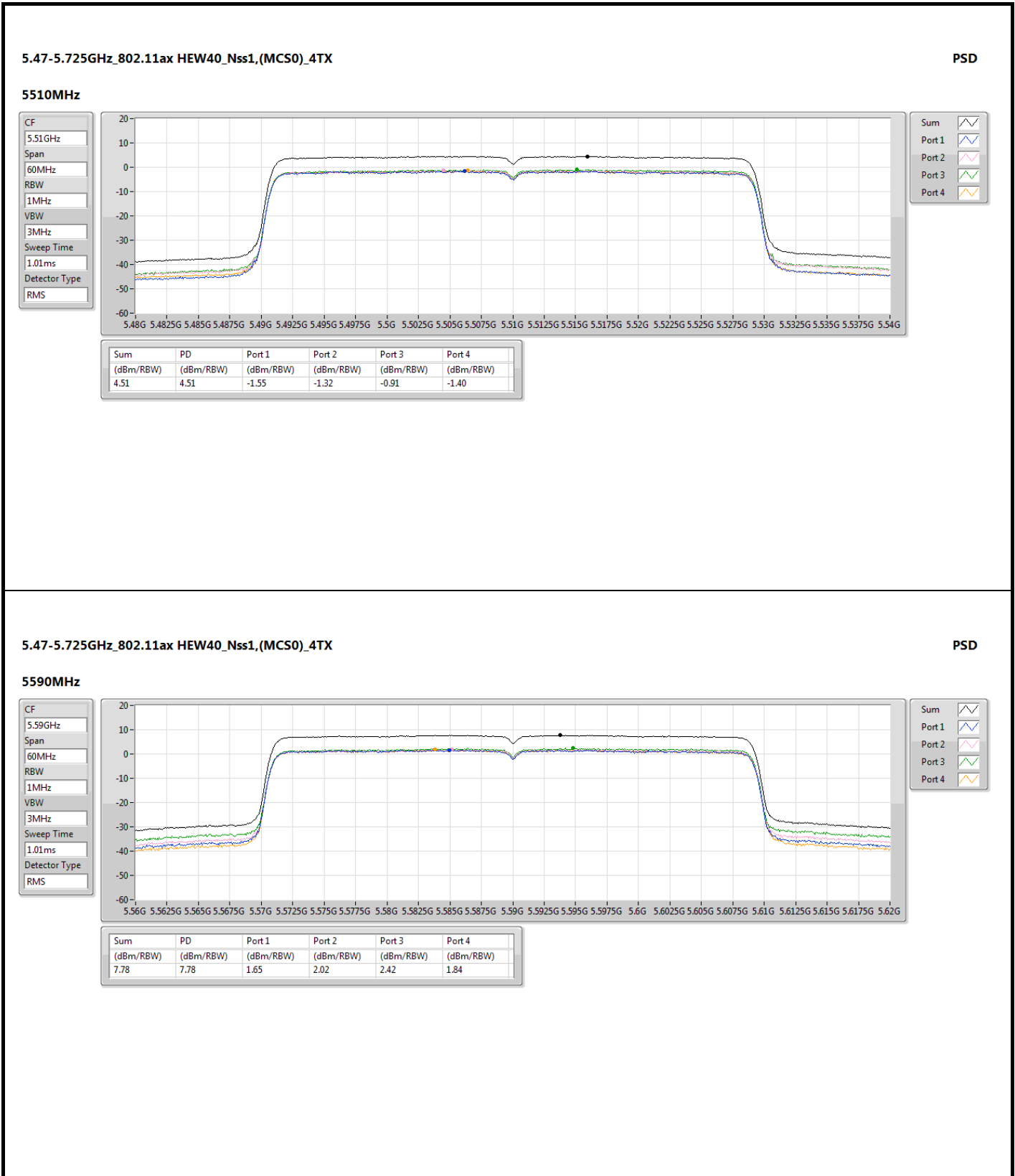


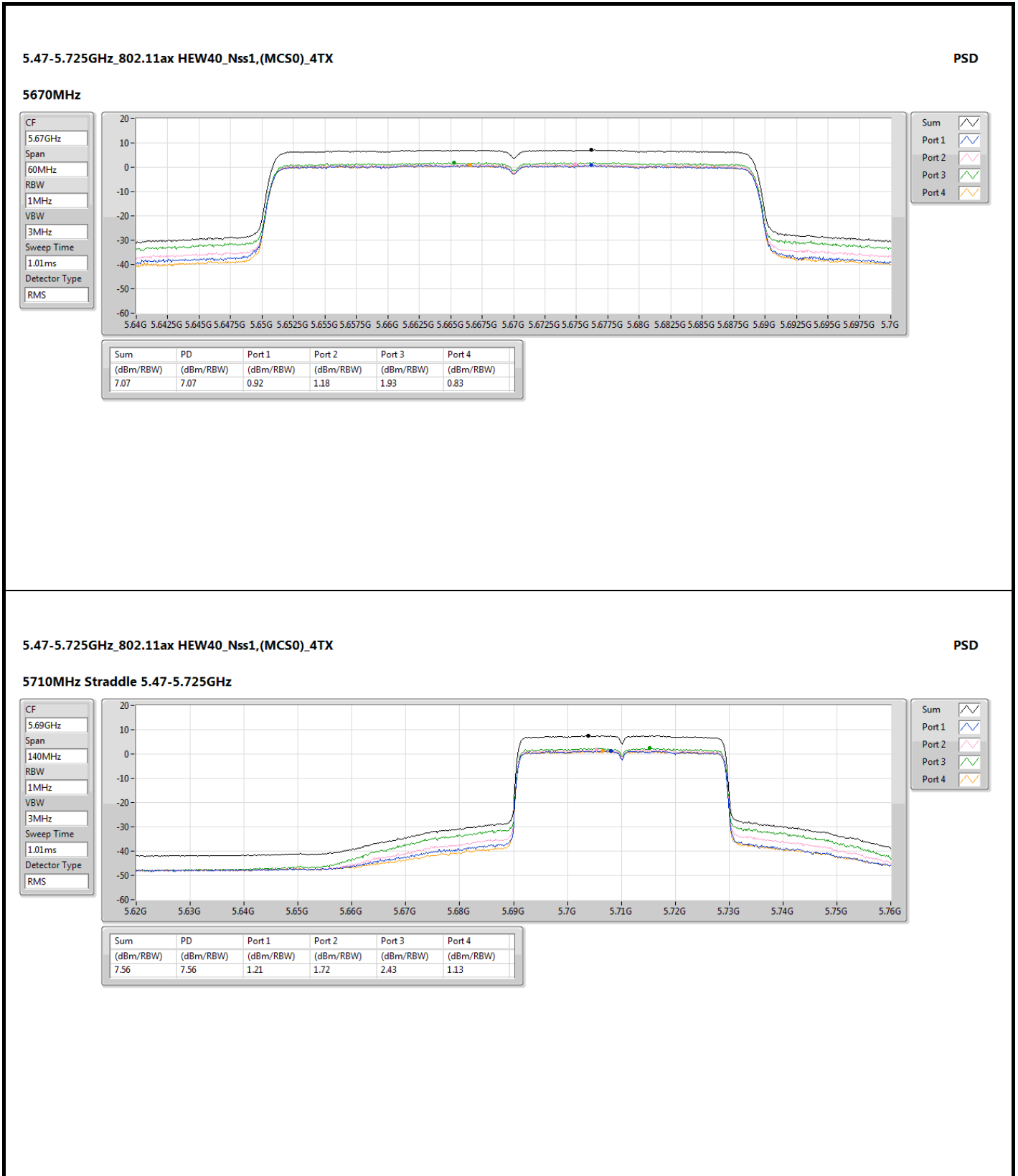


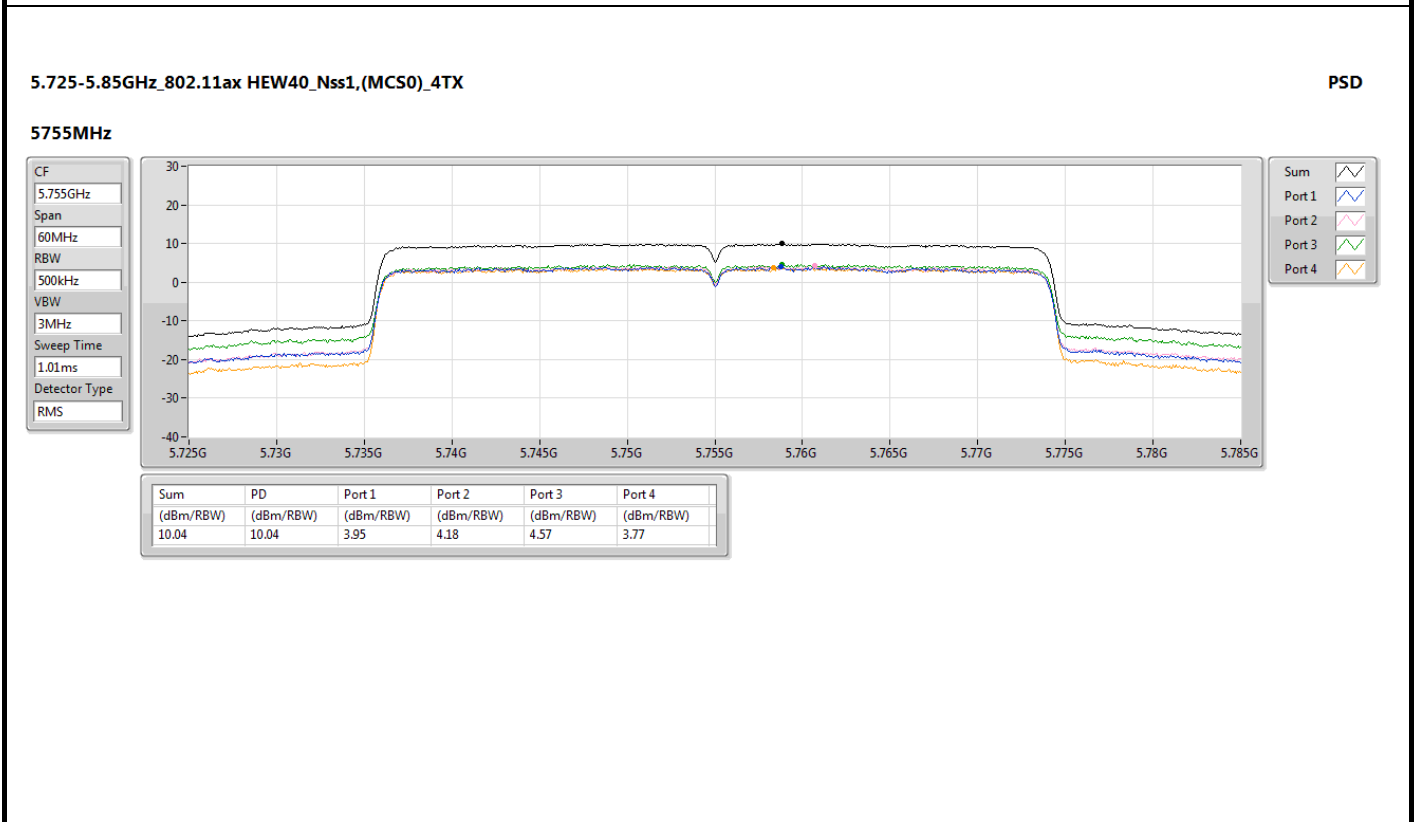
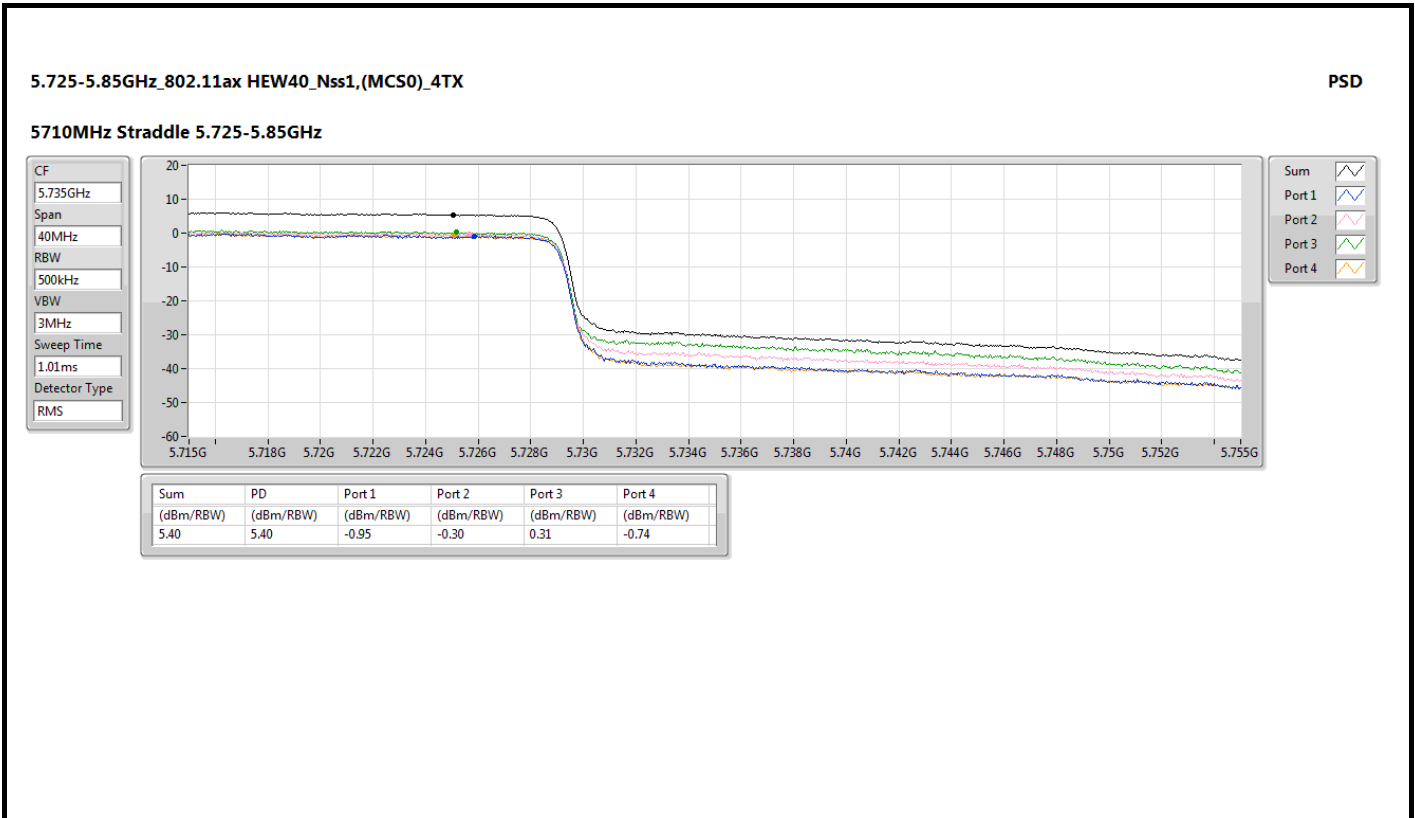




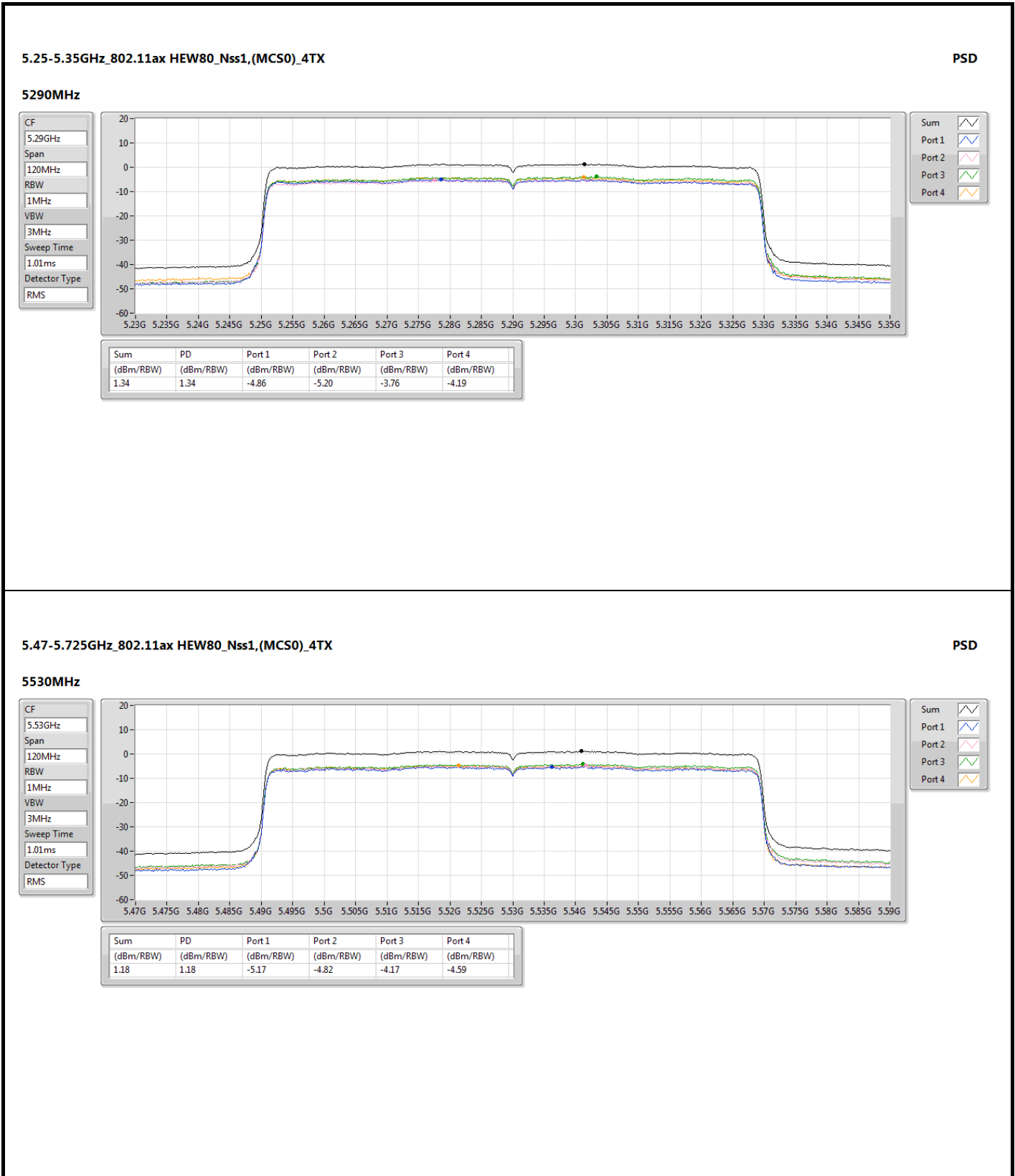


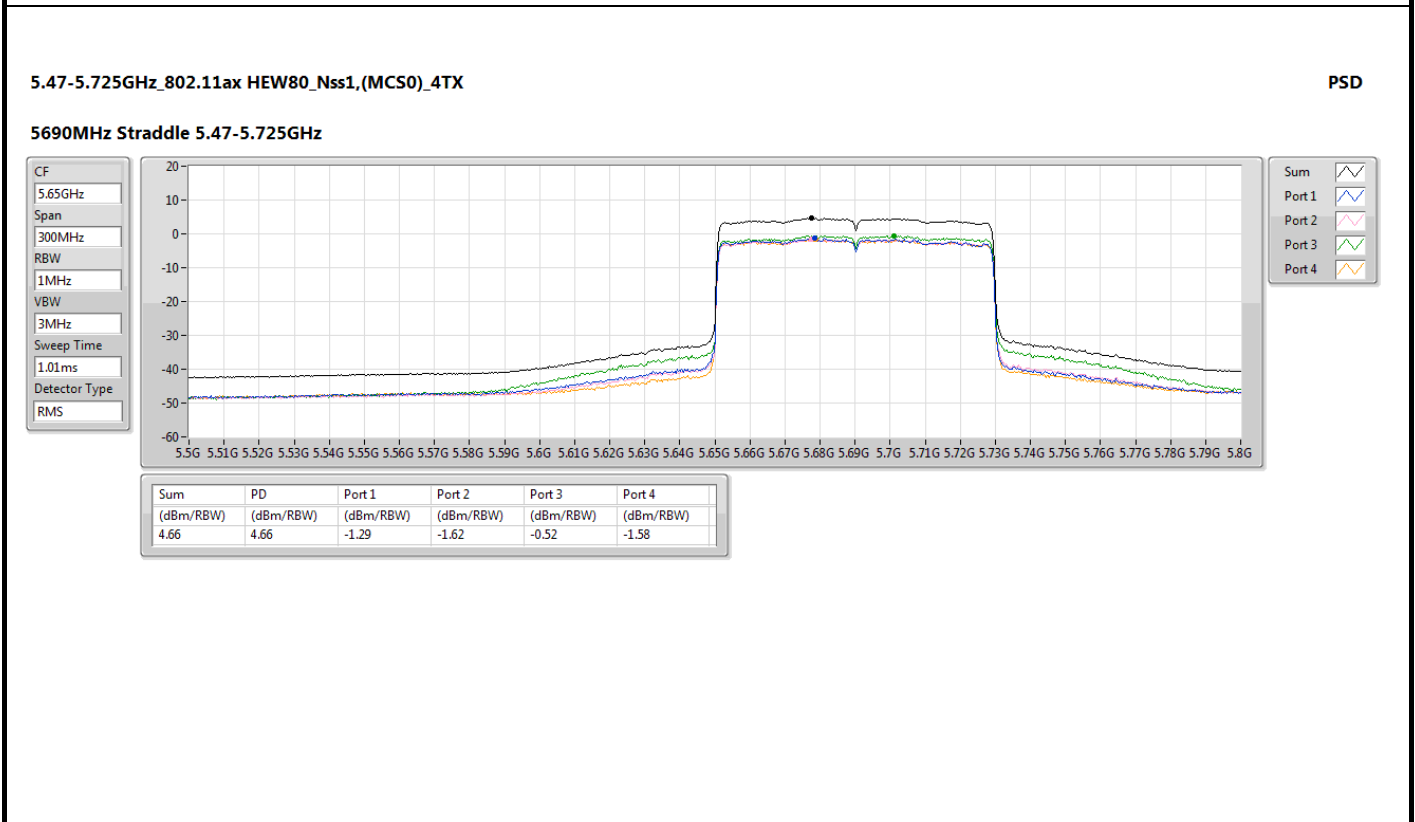
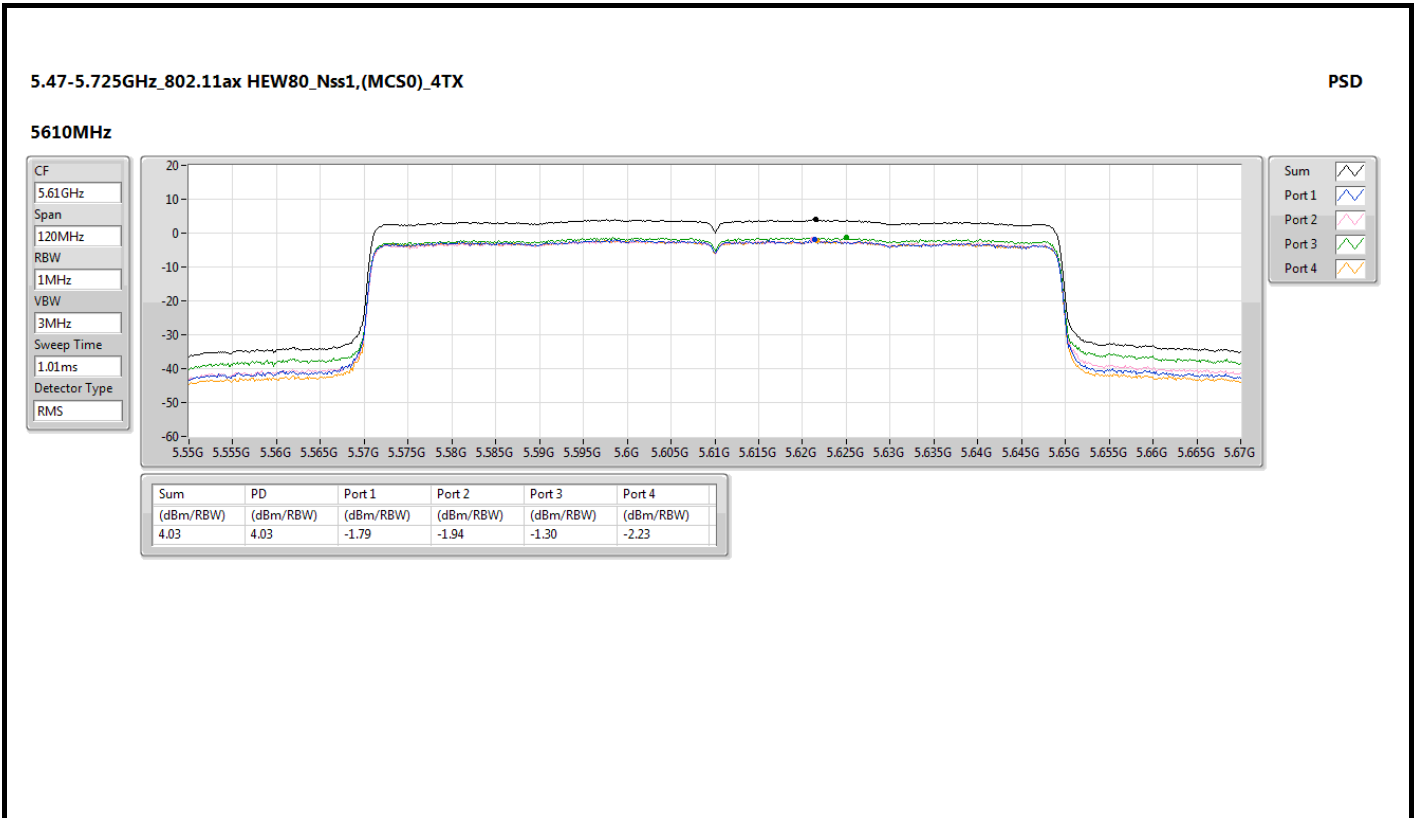


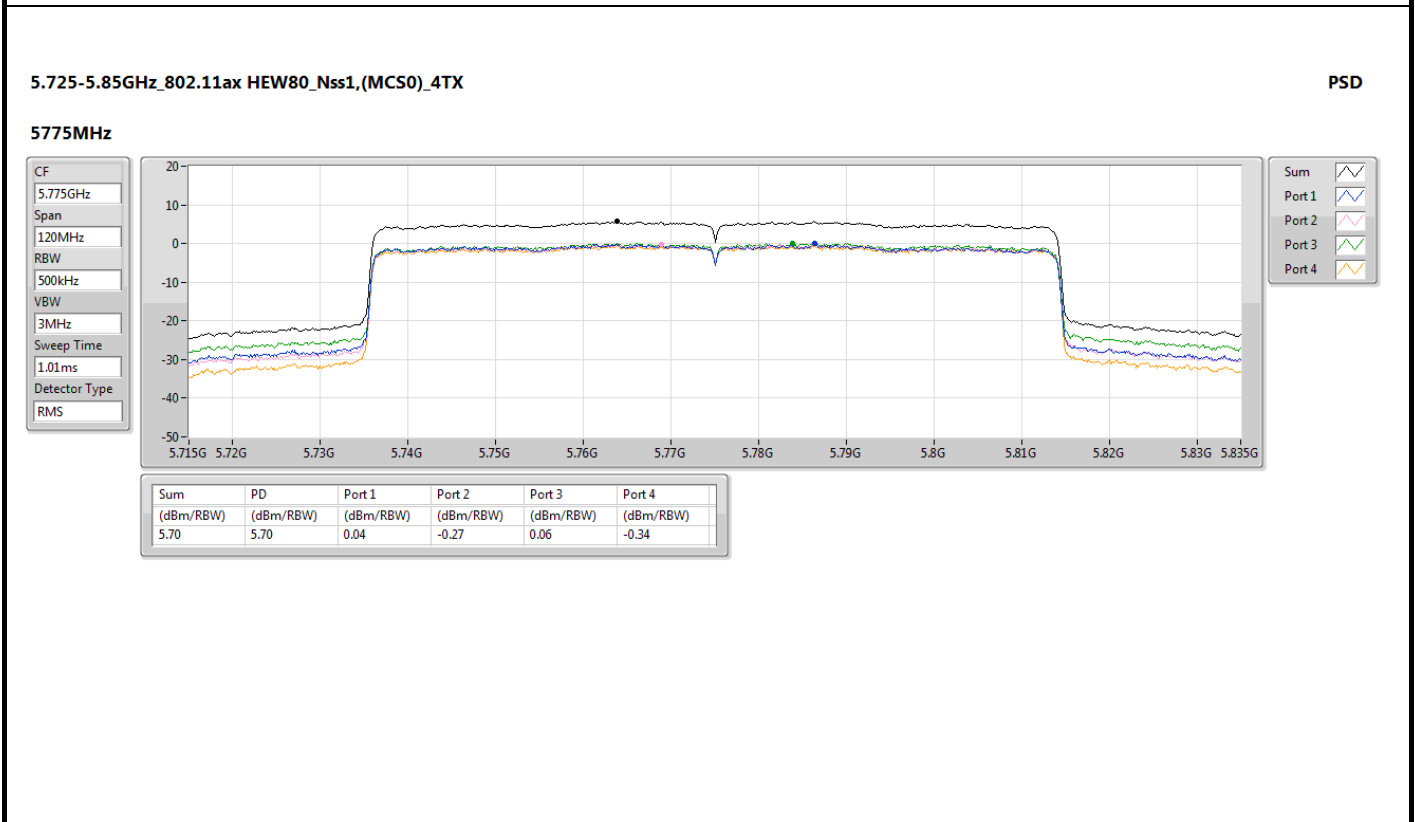
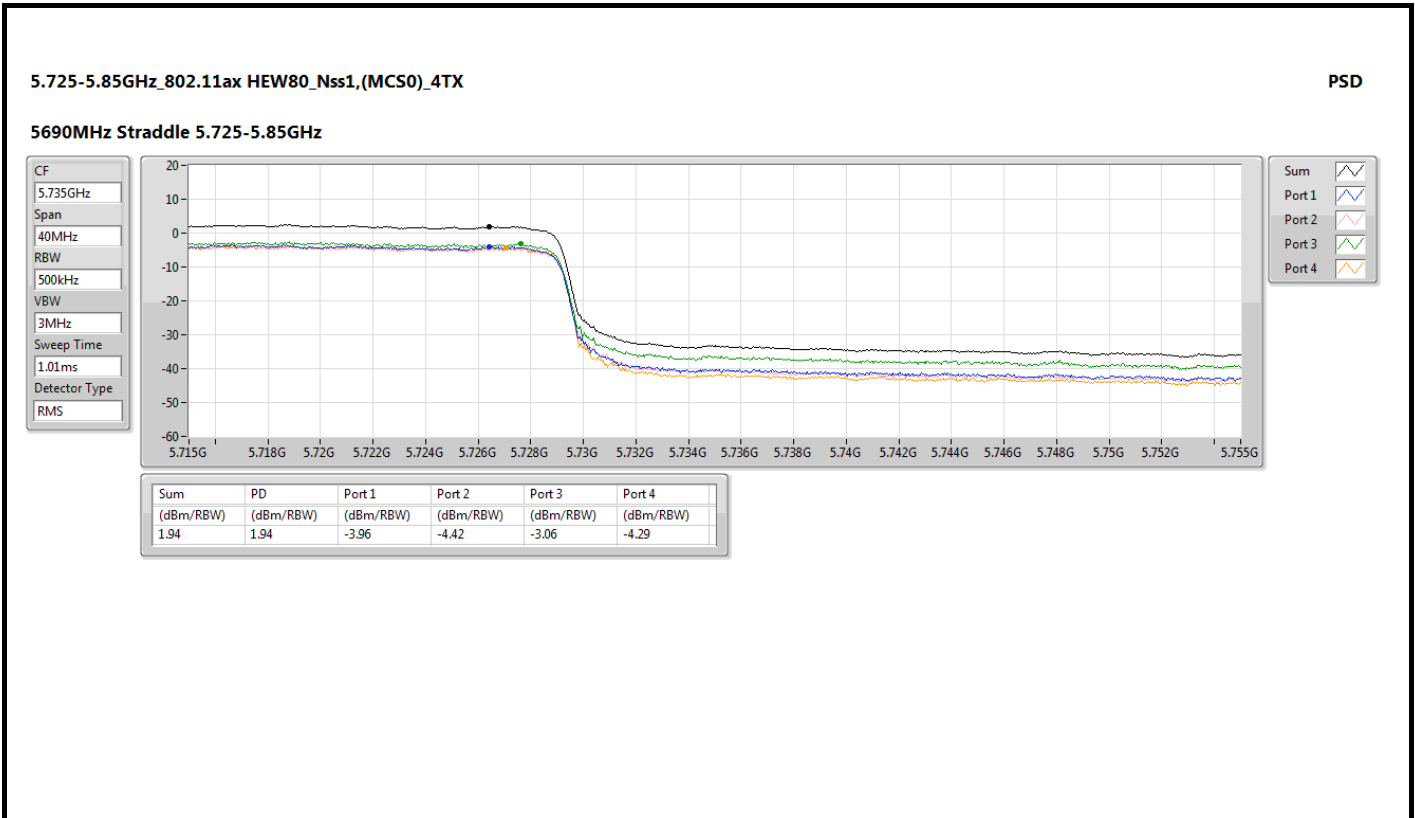




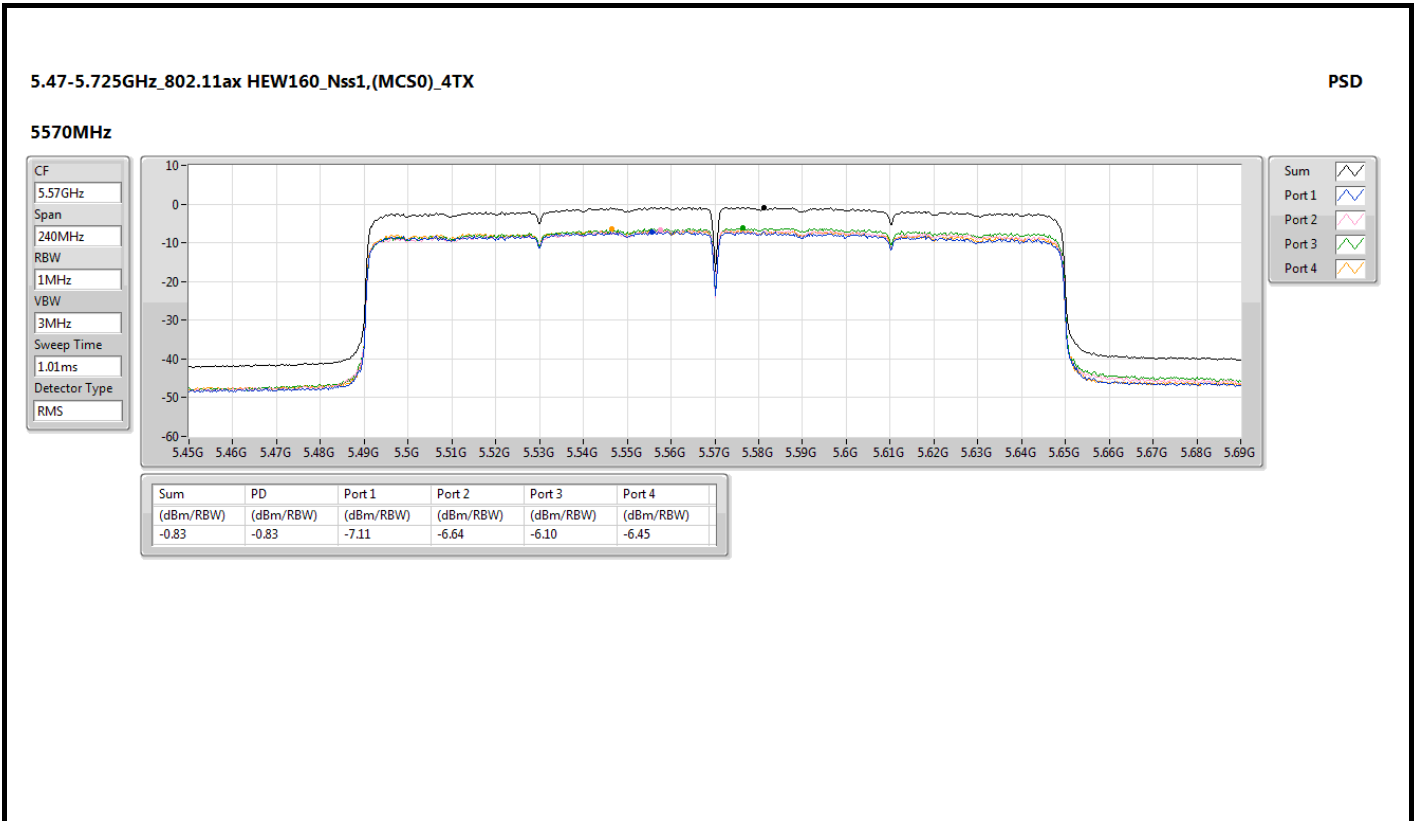














Beamforming mode

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFMDA	13.61	22.66
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFMDA	10.53	19.58
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFMDA	1.73	10.78
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFMDA	-2.52	6.53
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFMDA	7.41	16.46
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFMDA	4.23	13.28
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFMDA	1.52	10.57
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFMDA	-2.64	6.41
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFMDA	7.58	16.63
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFMDA	4.30	13.35
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFMDA	1.50	10.55
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFMDA	-0.75	8.30
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFMDA	9.77	18.79
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFMDA	7.73	16.75
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFMDA	5.34	14.36

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



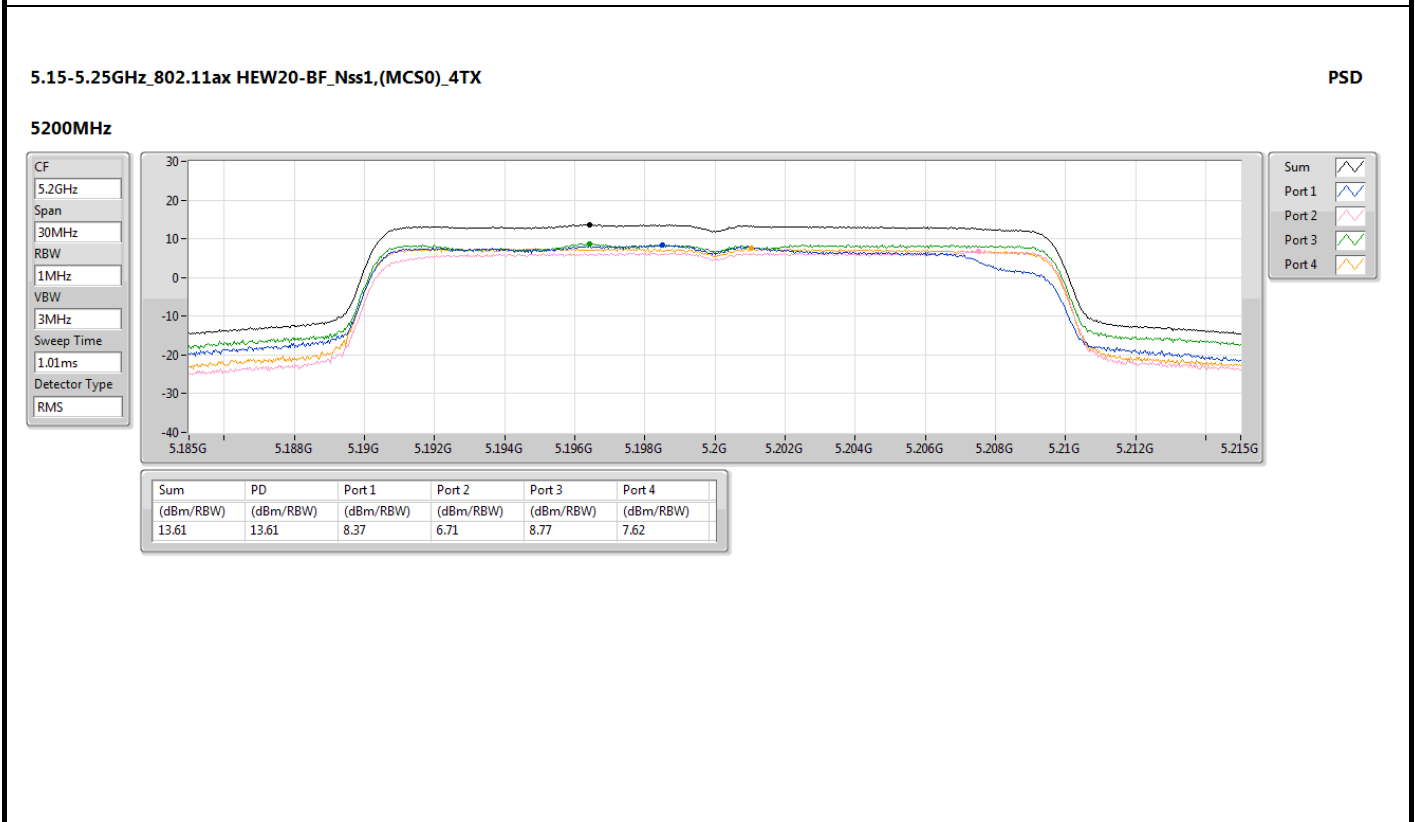
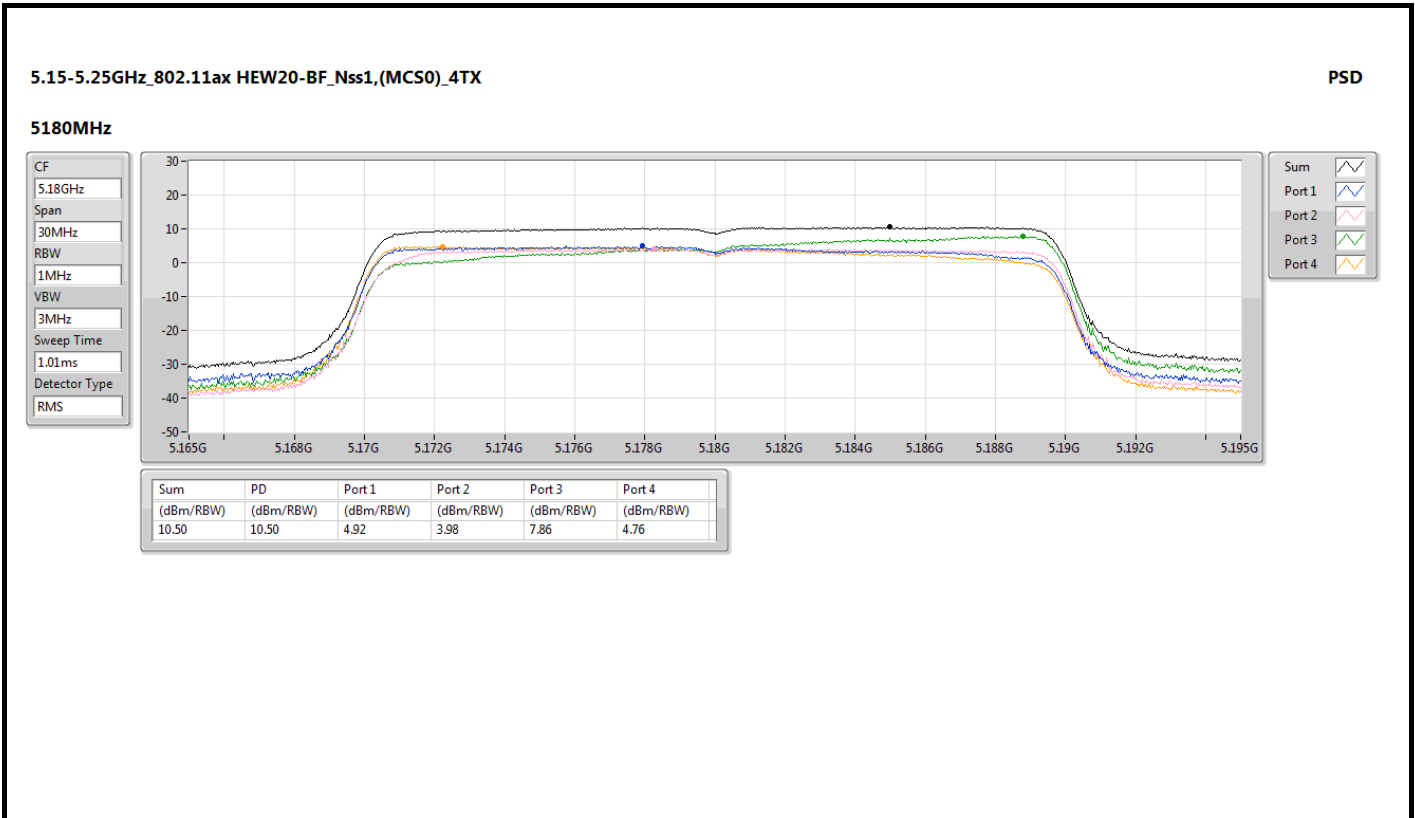
Result

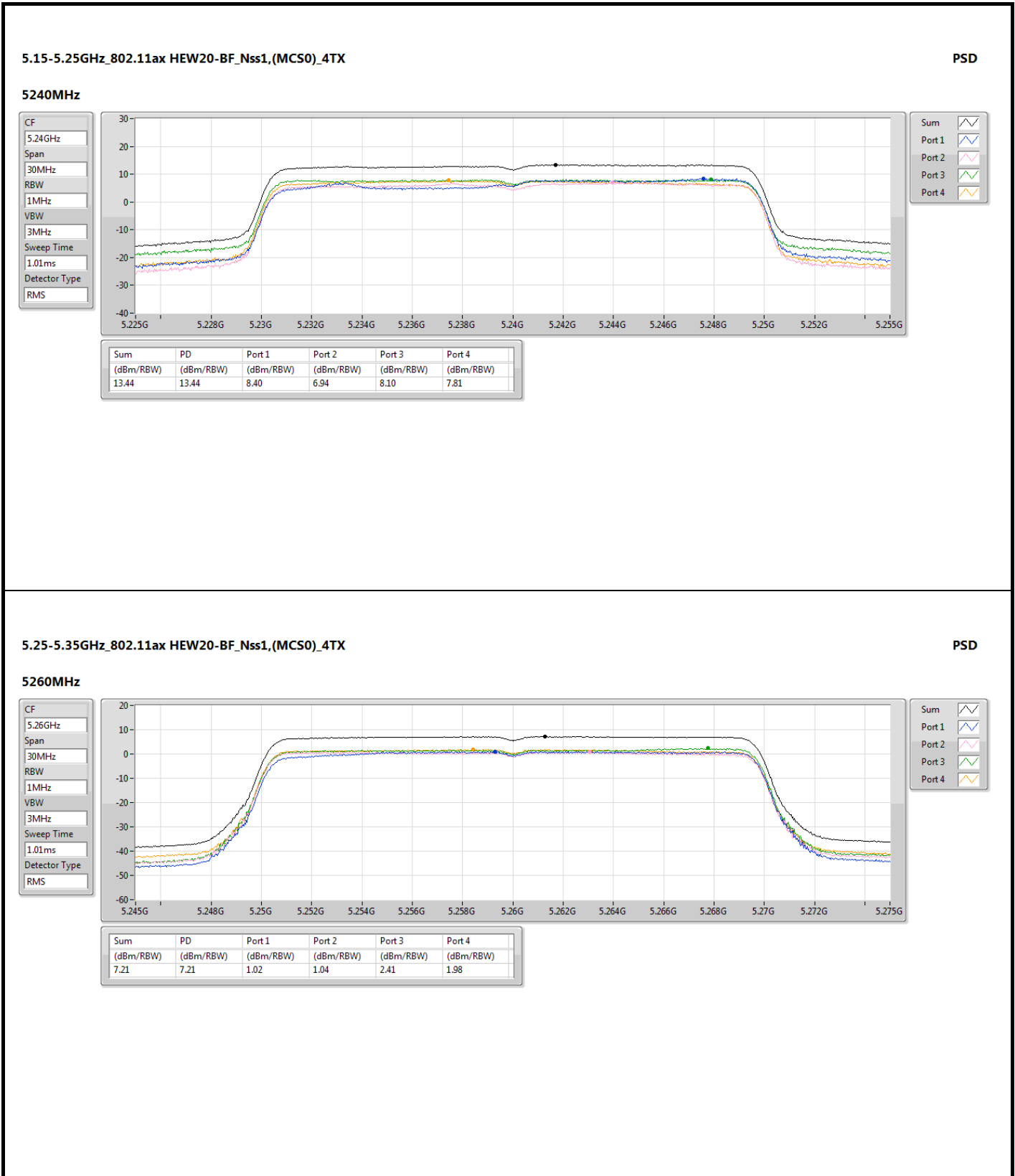
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFMDA	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.05	4.92	3.98	7.86	4.76	10.50	13.95	19.55	23.00
5200MHz	Pass	9.05	8.37	6.71	8.77	7.62	13.61	13.95	22.66	23.00
5240MHz	Pass	9.05	8.40	6.94	8.10	7.81	13.44	13.95	22.49	23.00
5260MHz	Pass	9.05	1.02	1.04	2.41	1.98	7.21	7.95	16.26	17.00
5300MHz	Pass	9.05	0.82	0.62	1.63	1.22	7.01	7.95	16.06	17.00
5320MHz	Pass	9.05	1.83	1.03	1.88	1.48	7.41	7.95	16.46	17.00
5500MHz	Pass	9.05	0.48	2.40	1.50	2.26	7.09	7.95	16.14	17.00
5580MHz	Pass	9.05	0.76	0.85	1.58	1.56	6.85	7.95	15.90	17.00
5700MHz	Pass	9.05	1.07	1.23	1.18	0.62	6.38	7.95	15.43	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	9.05	1.92	1.50	2.29	2.11	7.58	7.95	16.63	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	9.02	-2.16	0.39	0.85	-0.69	5.66	26.98	14.68	36.00
5745MHz	Pass	9.02	3.84	3.99	4.75	4.28	9.77	26.98	18.79	36.00
5785MHz	Pass	9.02	3.34	3.77	4.43	2.89	9.13	26.98	18.15	36.00
5825MHz	Pass	9.02	2.42	3.06	3.45	2.70	8.26	26.98	17.28	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFMDA	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.05	0.36	-0.71	0.82	2.40	6.45	13.95	15.50	23.00
5230MHz	Pass	9.05	4.68	3.84	5.46	5.71	10.53	13.95	19.58	23.00
5270MHz	Pass	9.05	-2.50	-1.76	-0.63	-1.59	4.06	7.95	13.11	17.00
5310MHz	Pass	9.05	-1.13	-1.78	-1.00	-1.55	4.23	7.95	13.28	17.00
5510MHz	Pass	9.05	-1.87	-1.39	-0.87	-1.73	4.21	7.95	13.26	17.00
5590MHz	Pass	9.05	-2.04	-0.68	-0.70	-1.32	4.30	7.95	13.35	17.00
5670MHz	Pass	9.05	-1.98	-1.48	-0.72	-1.74	4.26	7.95	13.31	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	9.05	-2.08	-1.42	-0.84	-1.87	4.30	7.95	13.35	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	9.02	-4.34	-3.61	-3.12	-4.02	2.15	26.98	11.17	36.00
5755MHz	Pass	9.02	1.75	1.95	2.88	1.38	7.73	26.98	16.75	36.00
5795MHz	Pass	9.02	0.24	0.93	1.50	0.35	6.61	26.98	15.63	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFMDA	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.05	-4.03	-4.53	-2.45	-3.75	1.73	13.95	10.78	23.00
5290MHz	Pass	9.05	-4.19	-4.13	-3.16	-4.25	1.52	7.95	10.57	17.00
5530MHz	Pass	9.05	-4.43	-3.81	-3.45	-4.15	1.37	7.95	10.42	17.00
5610MHz	Pass	9.05	-4.81	-4.62	-3.98	-4.26	1.31	7.95	10.36	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	9.05	-4.42	-4.57	-3.50	-4.06	1.50	7.95	10.55	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	9.02	-7.51	-8.52	-5.96	-6.78	-1.32	26.98	7.70	36.00
5775MHz	Pass	9.02	-0.54	0.89	0.95	-1.16	5.34	26.98	14.36	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFMDA	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	9.05	-7.07	-8.16	-7.95	-7.03	-2.52	13.95	6.53	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	9.05	-9.33	-8.72	-6.41	-8.46	-2.64	7.95	6.41	17.00
5570MHz	Pass	9.05	-7.26	-6.31	-5.25	-6.36	-0.75	7.95	8.30	17.00

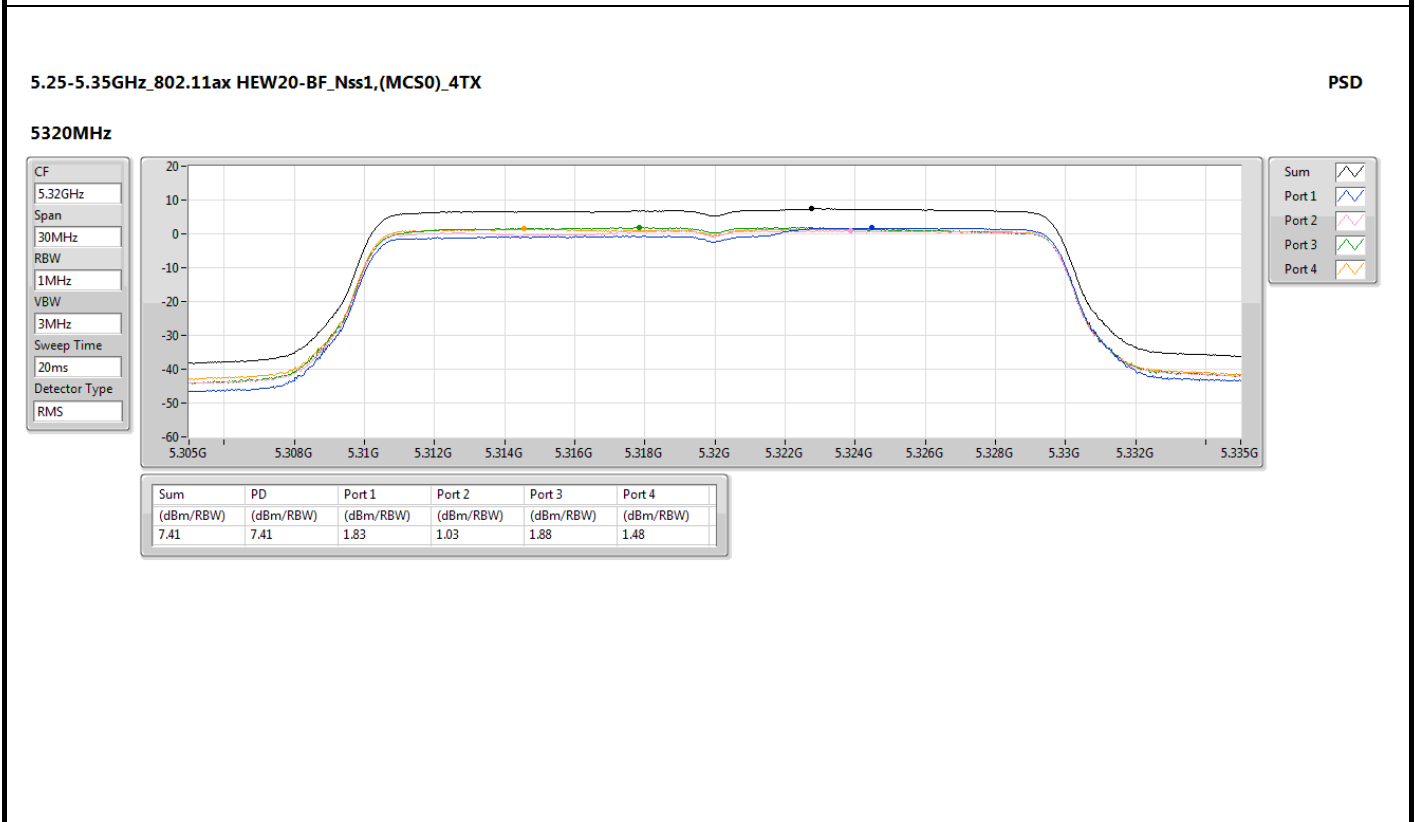
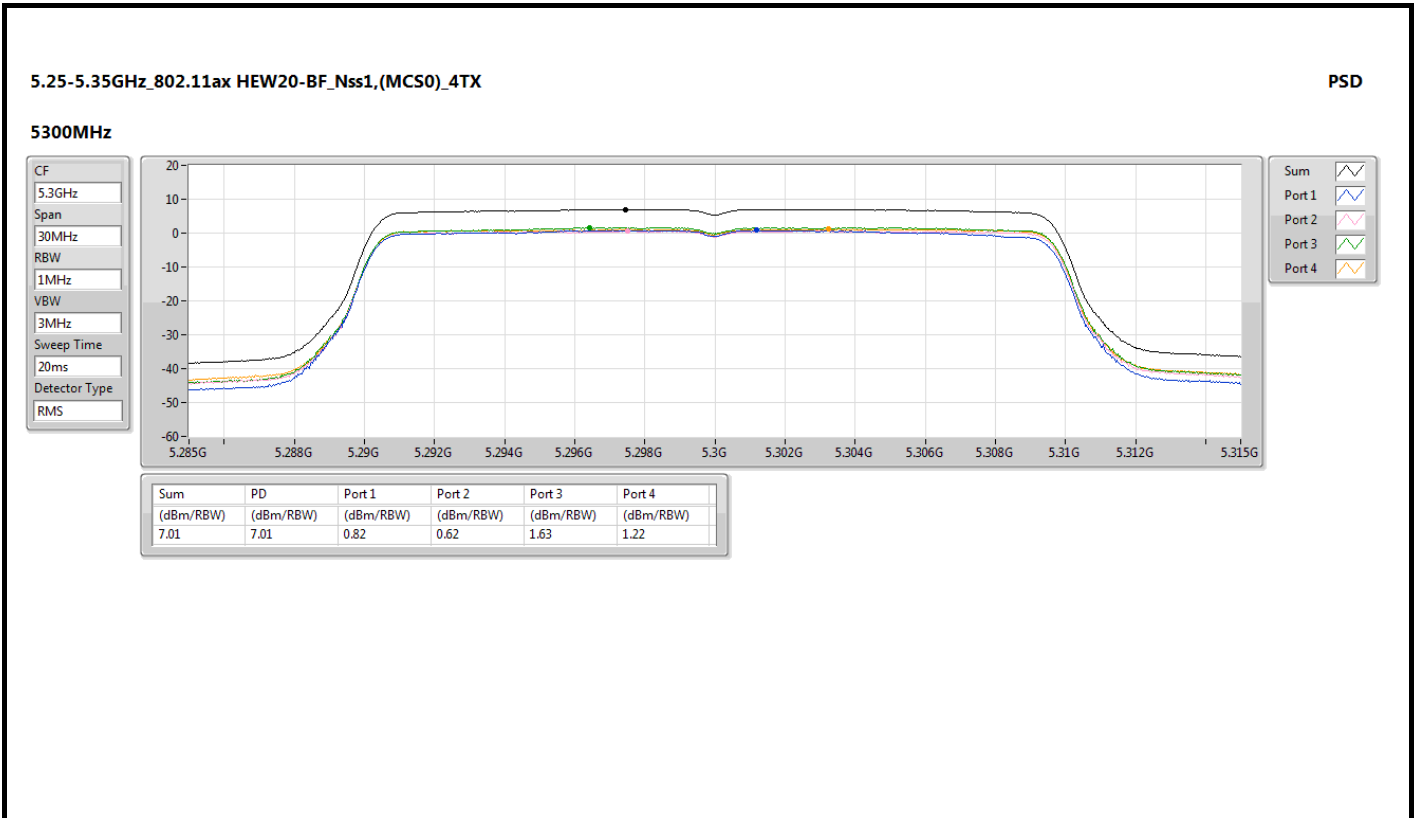
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

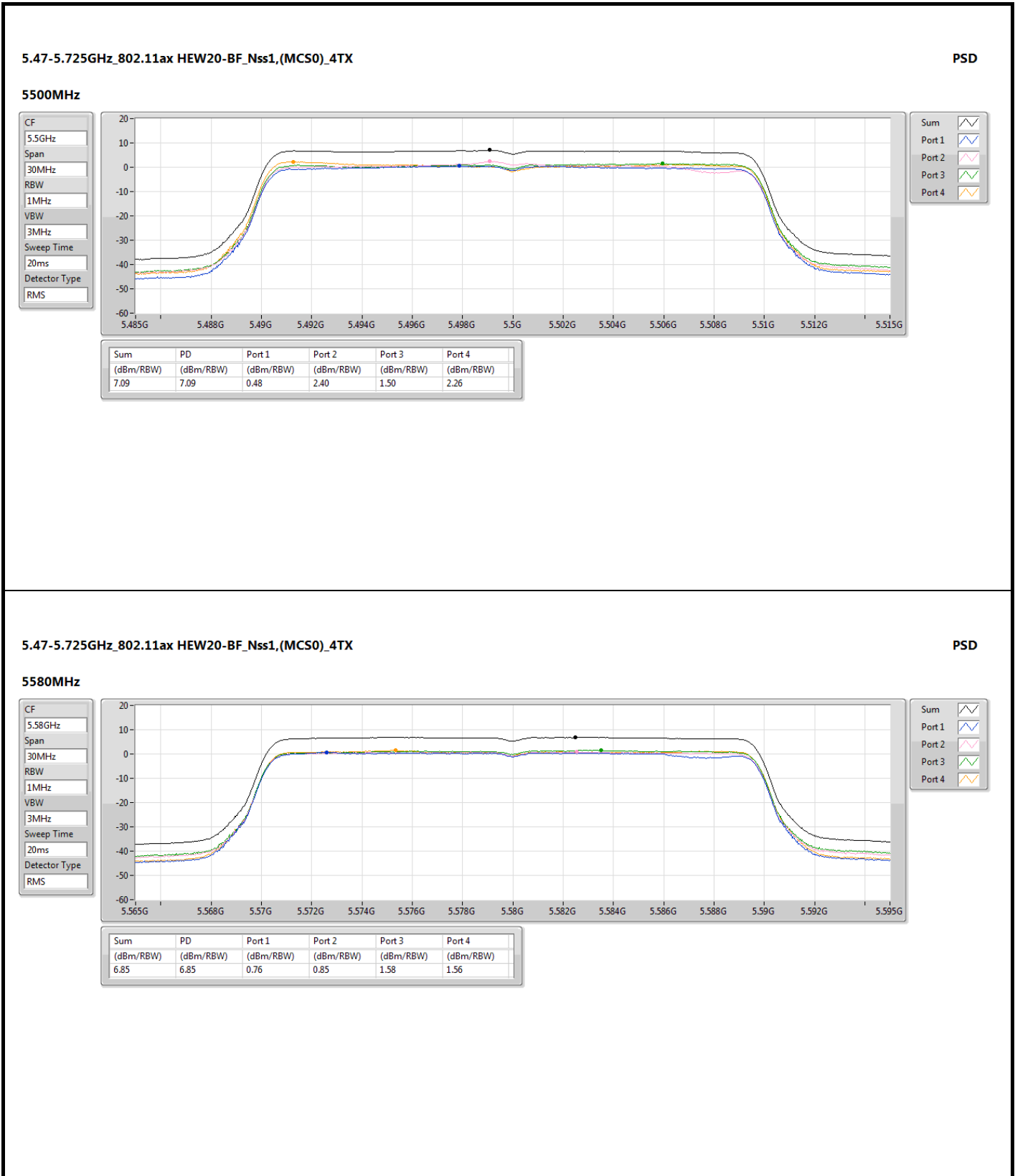


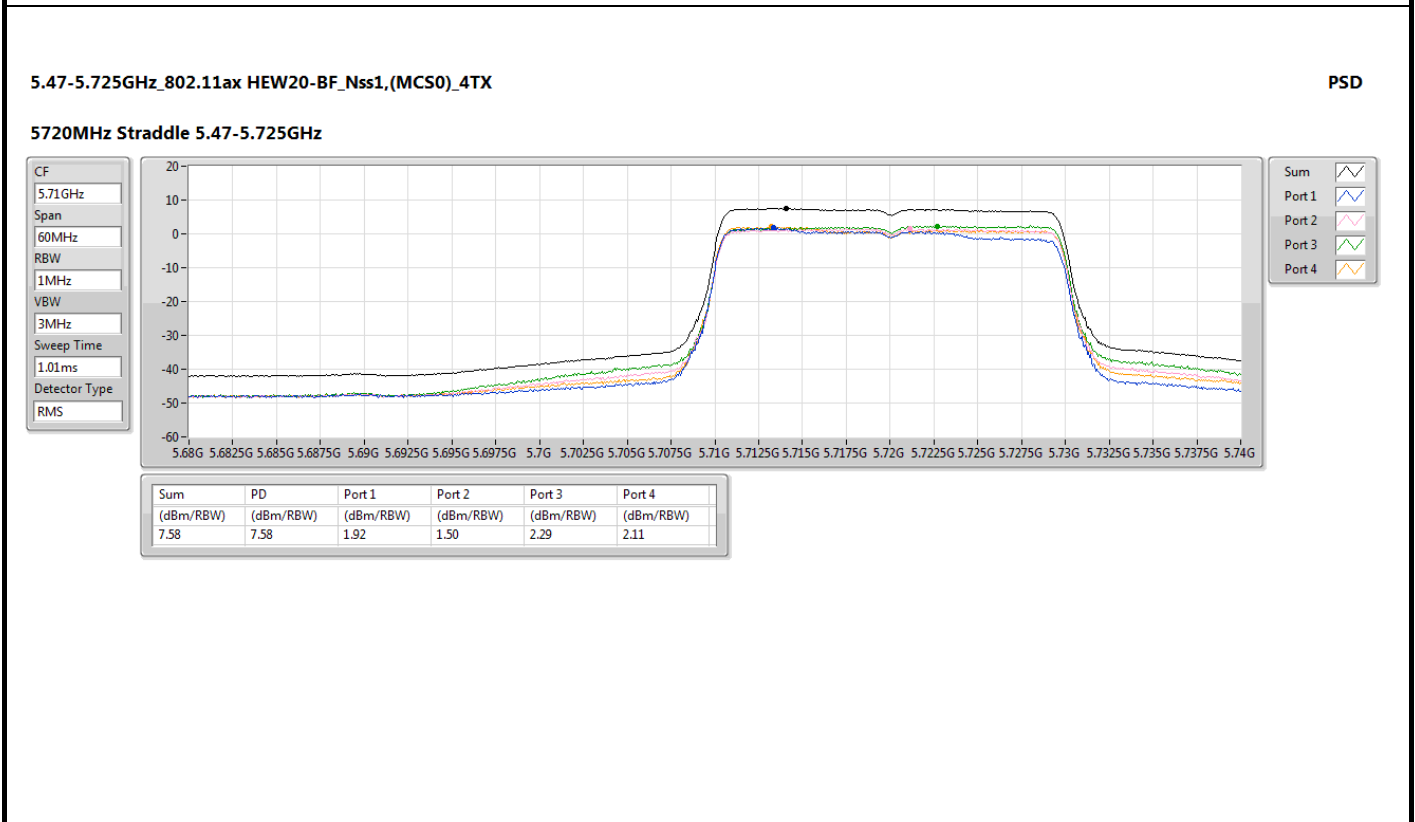
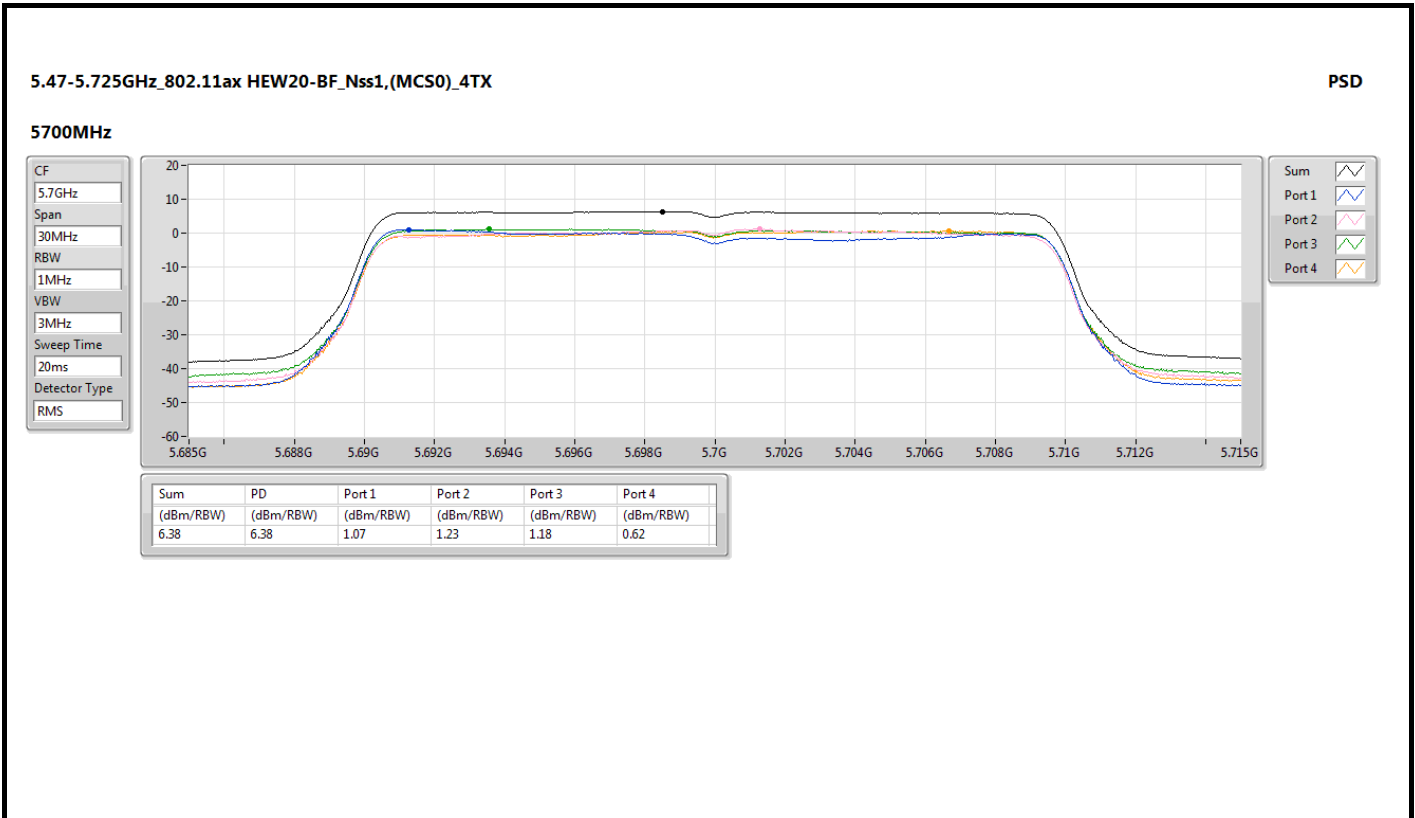
Note:
For 5180-5240MHz / 5260-5320MHz
Directional gain = $10 \times \log((10^{2.9/20} + 10^{2.7/20} + 10^{3.3/20} + 10^{3.2/20})^2/4)$ = 9.05 dBi > 6 dBi, limit shall be reduced to 17 dBm – (9.05dBi – 6dBi) = 13.95 dBm
For 5260-5320MHz
Directional gain = $10 \times \log((10^{2.9/20} + 10^{2.7/20} + 10^{3.3/20} + 10^{3.2/20})^2/4)$ = 9.05 dBi > 6 dBi, limit shall be reduced to 11 dBm – (9.05dBi – 6dBi) = 7.95 dBm
For 5500-5750MHz:
Directional gain = $10 \times \log((10^{3/20} + 10^{2.7/20} + 10^{3.5/20} + 10^{2.9/20})^2/4)$ = 9.05 dBi > 6 dBi, limit shall be reduced to 11 dBm – (9.05dBi – 6dBi) = 7.95 dBm
For 5745-5825MHz:
Directional gain = $10 \times \log((10^{3.1/20} + 10^{2.8/20} + 10^{3.4/20} + 10^{2.7/20})^2/4)$ = 9.02 dBi > 6 dBi, limit shall be reduced to 30 dBm – (9.02dBi – 6dBi) = 26.98 dBm

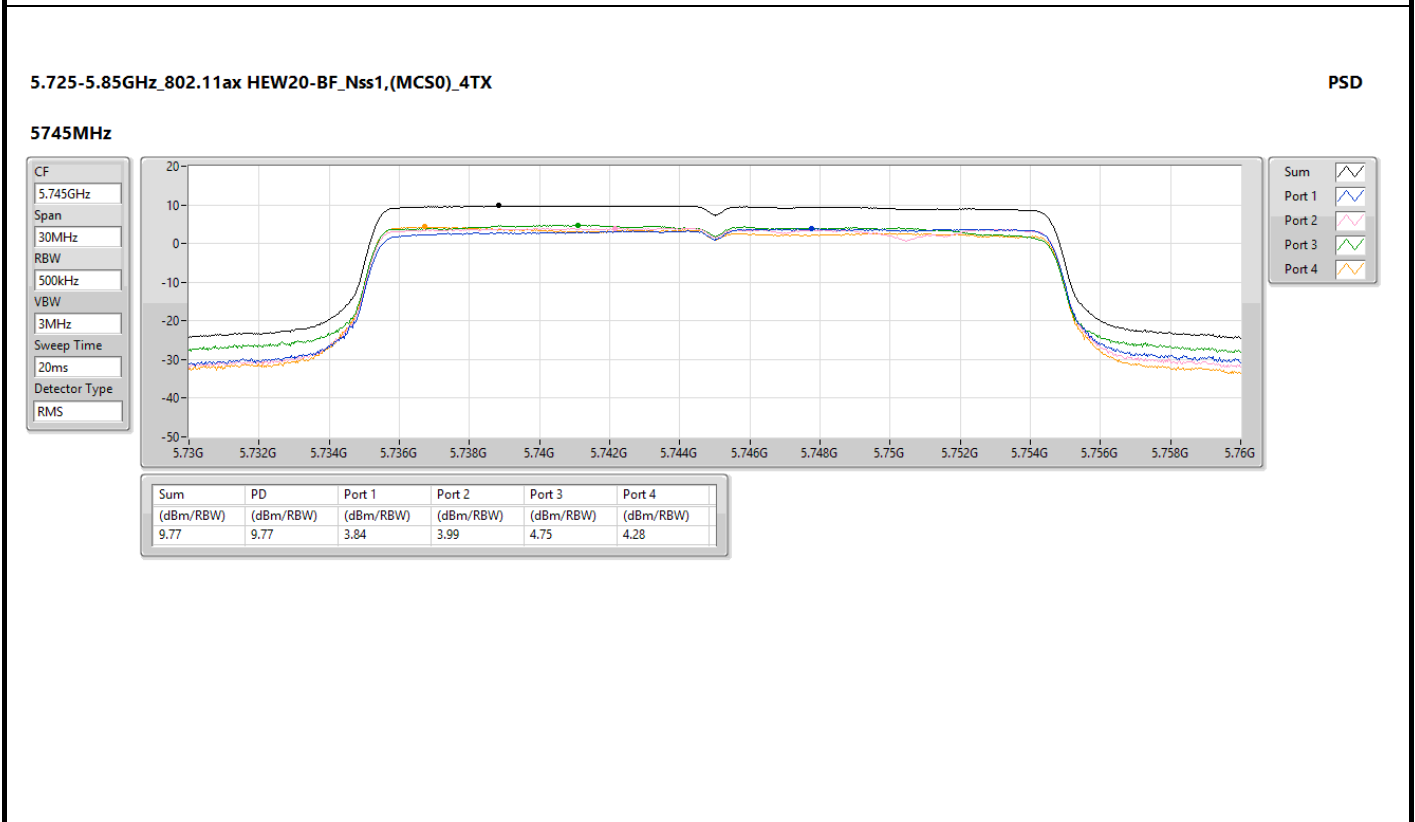
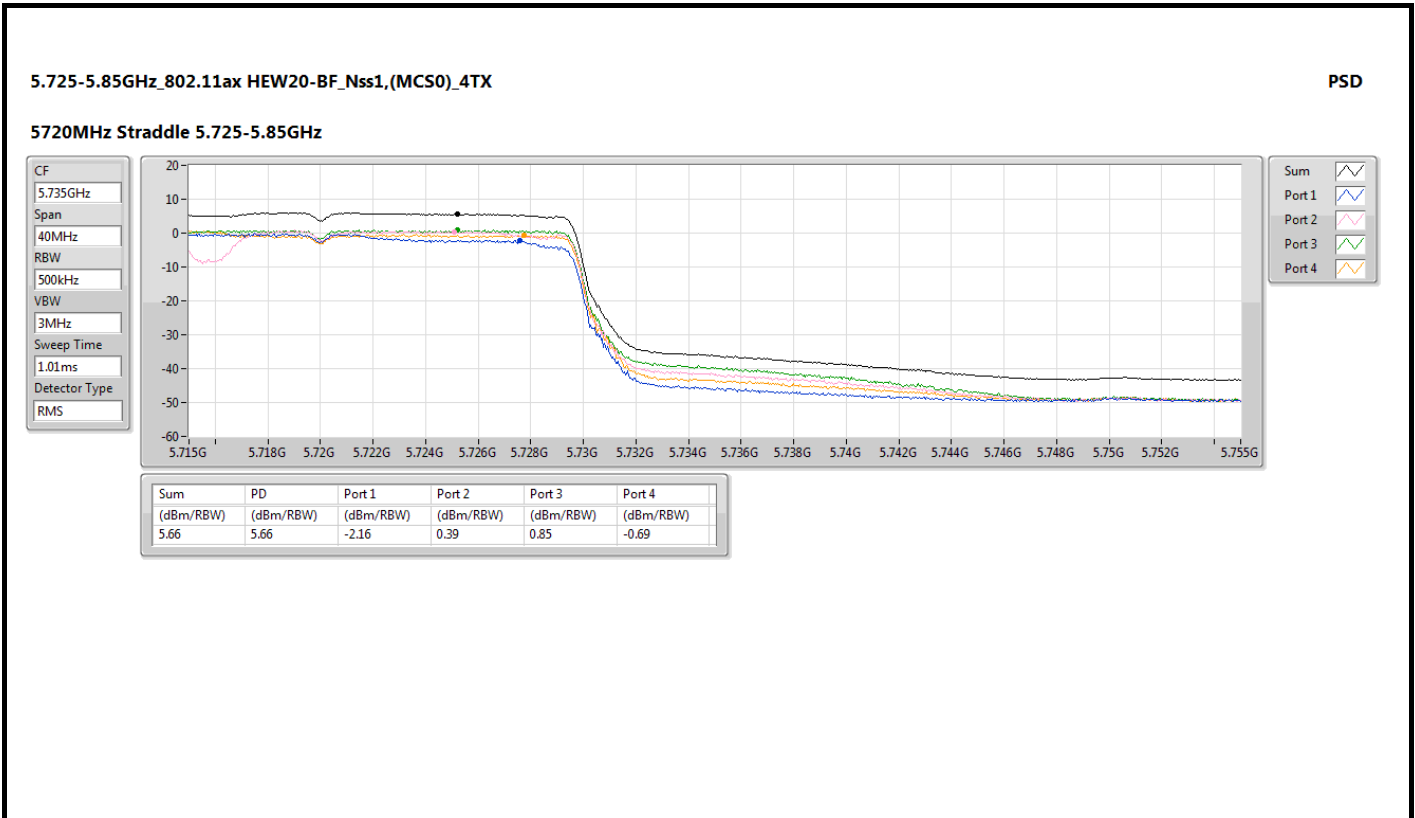


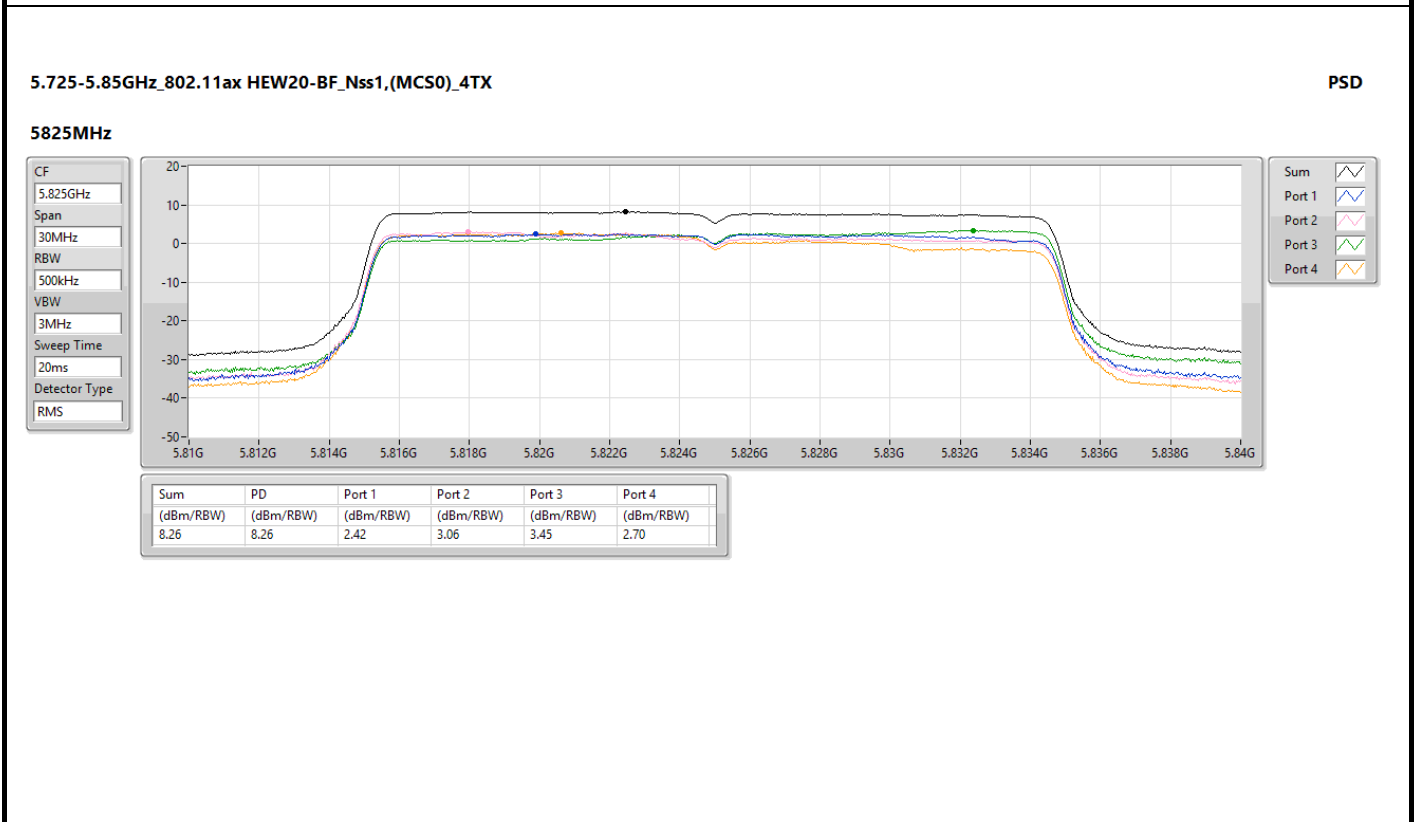
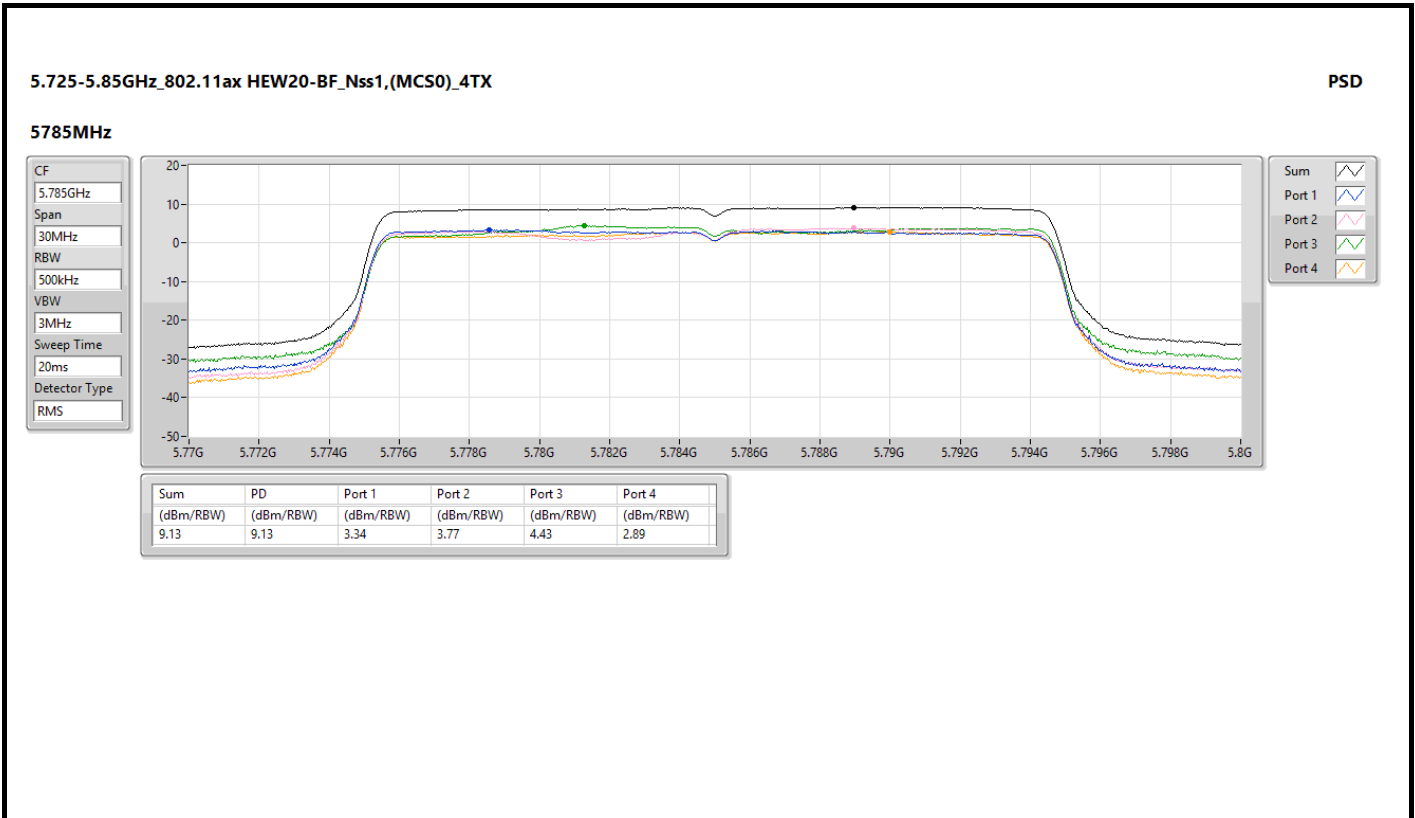


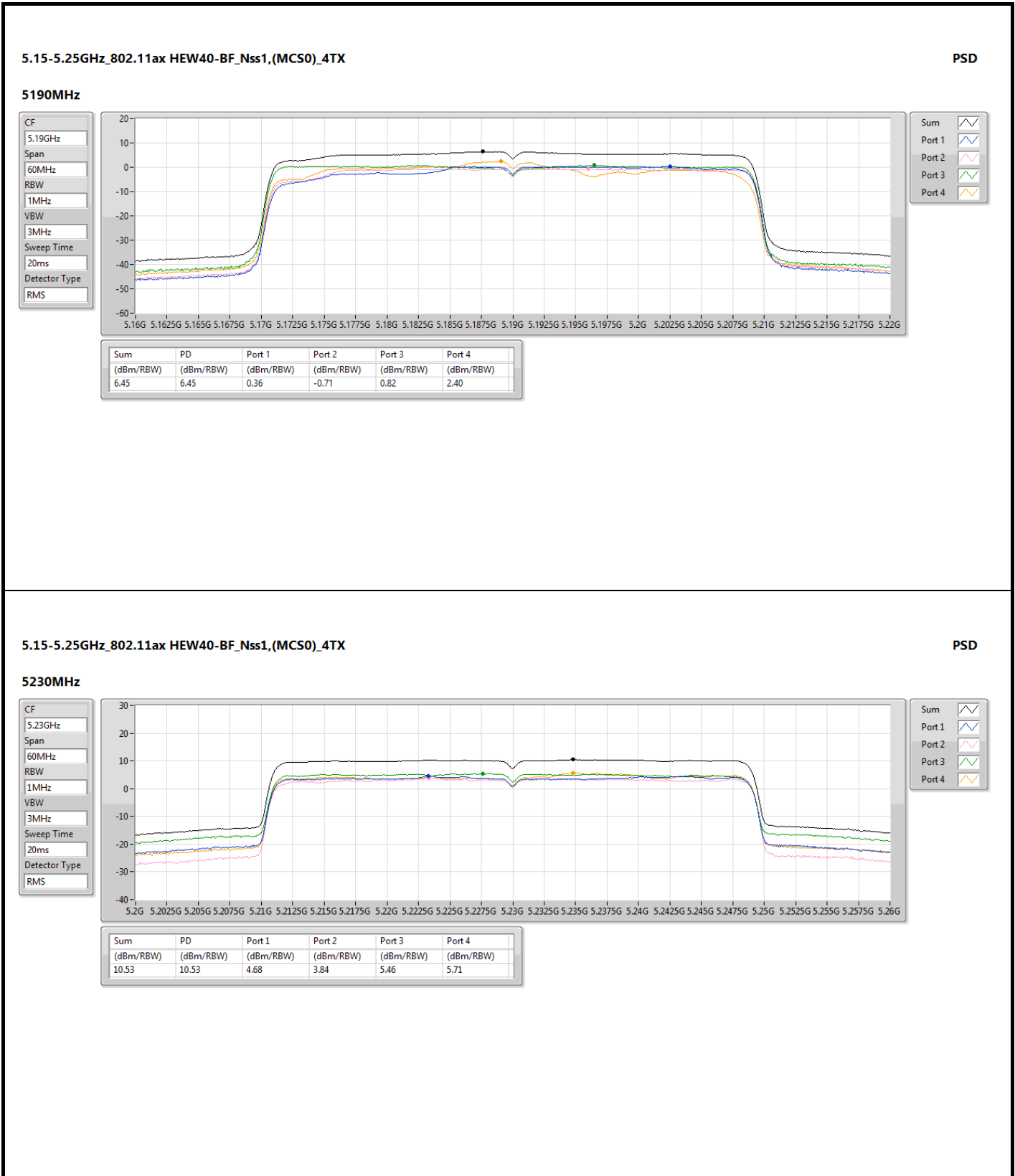


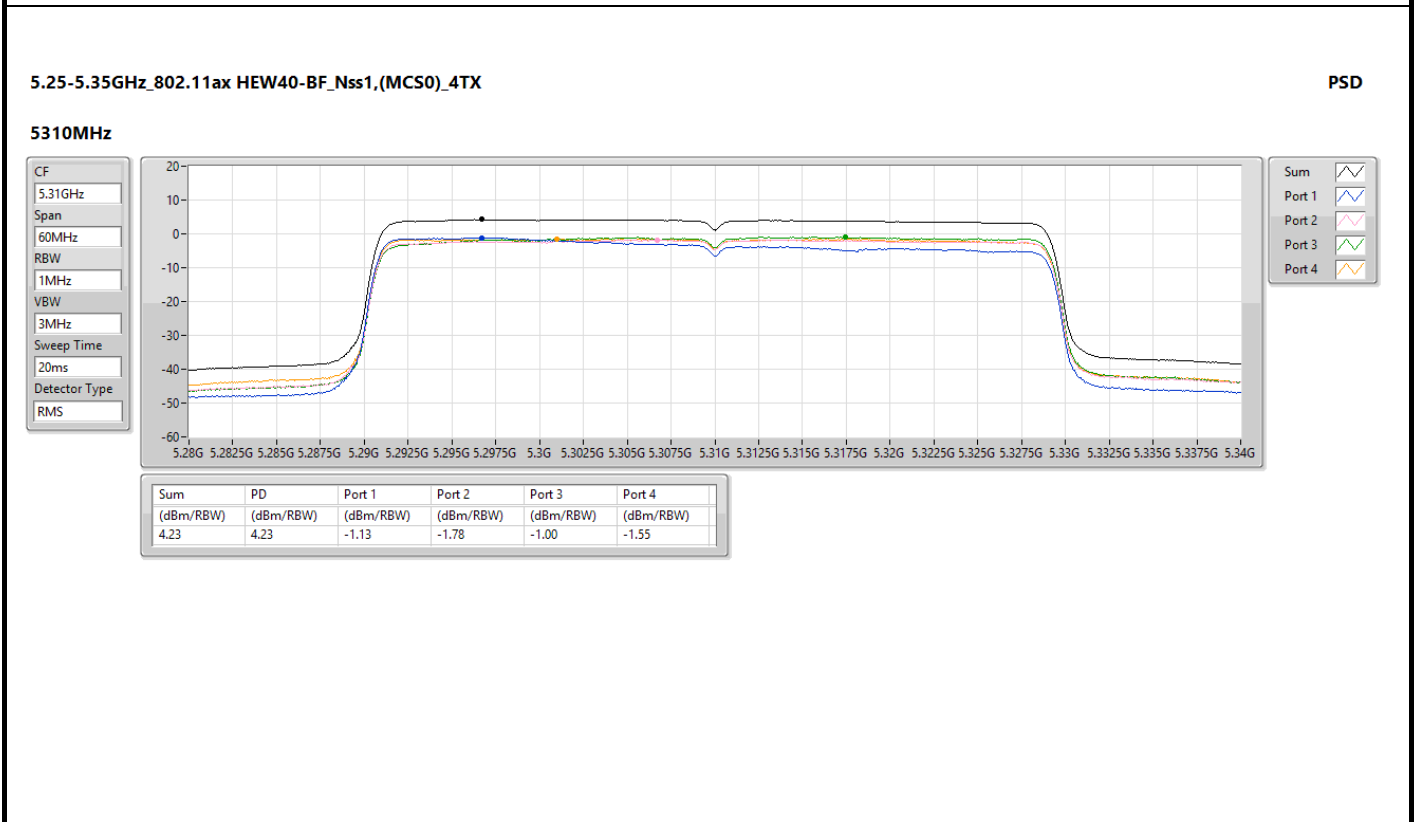
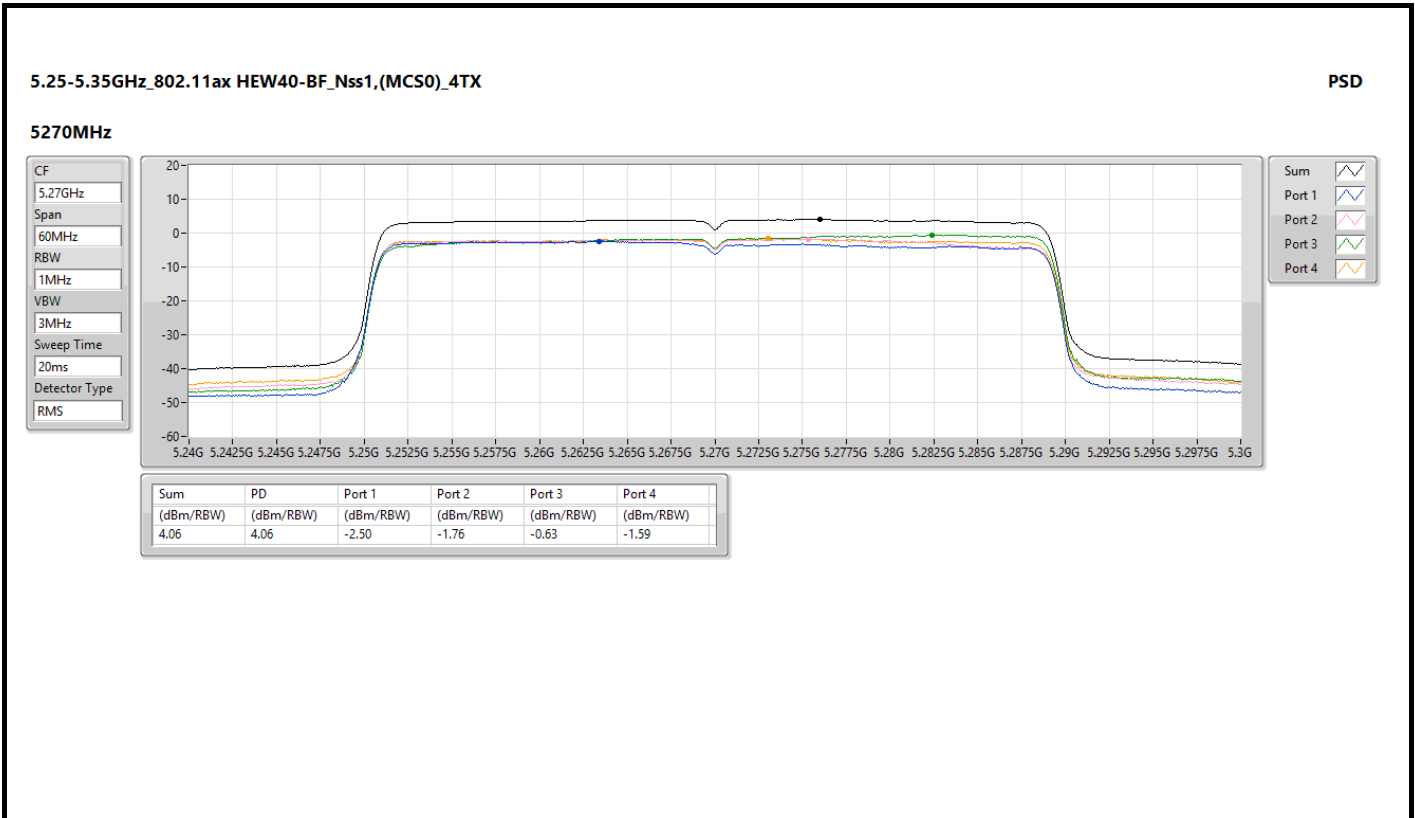


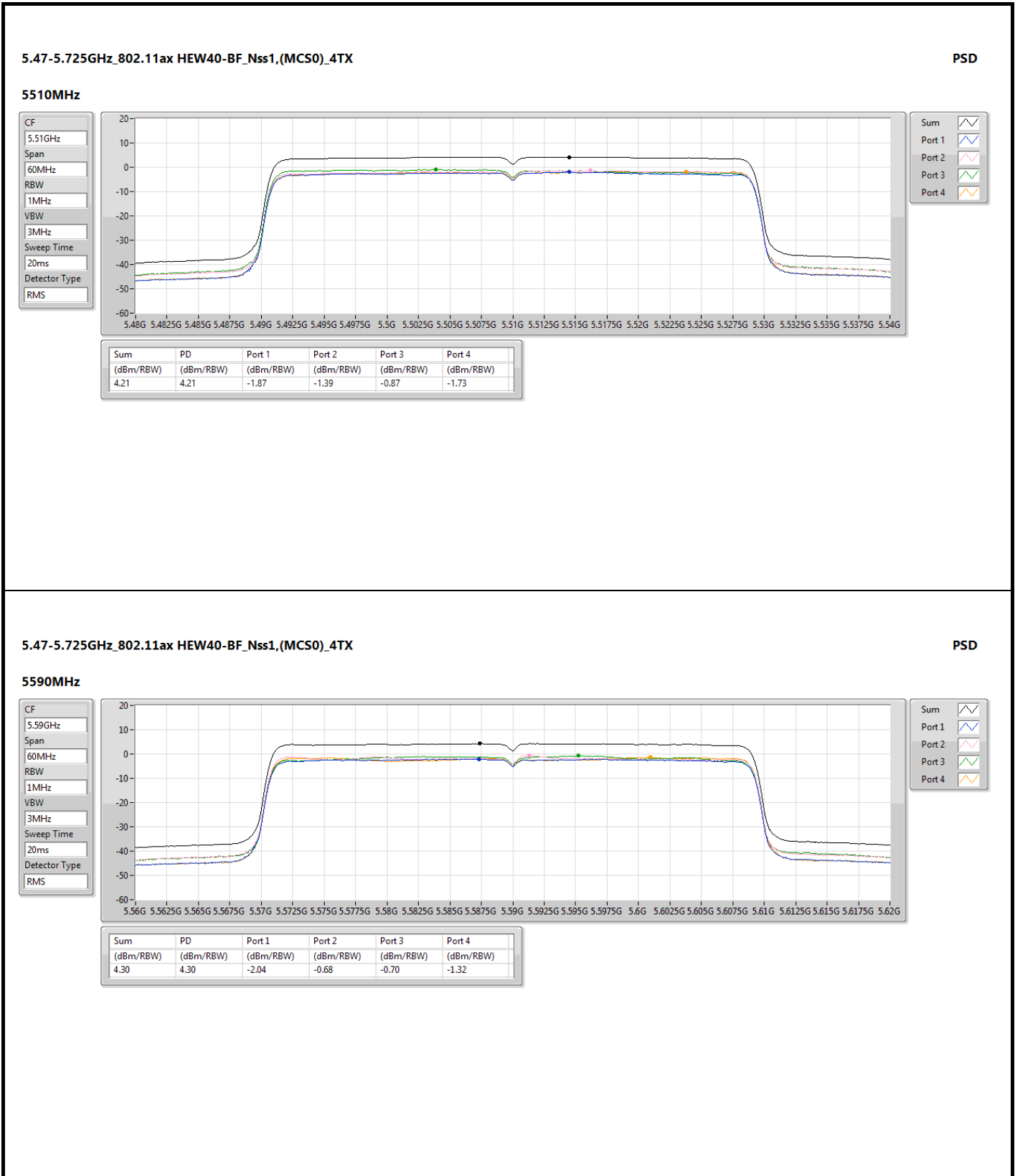


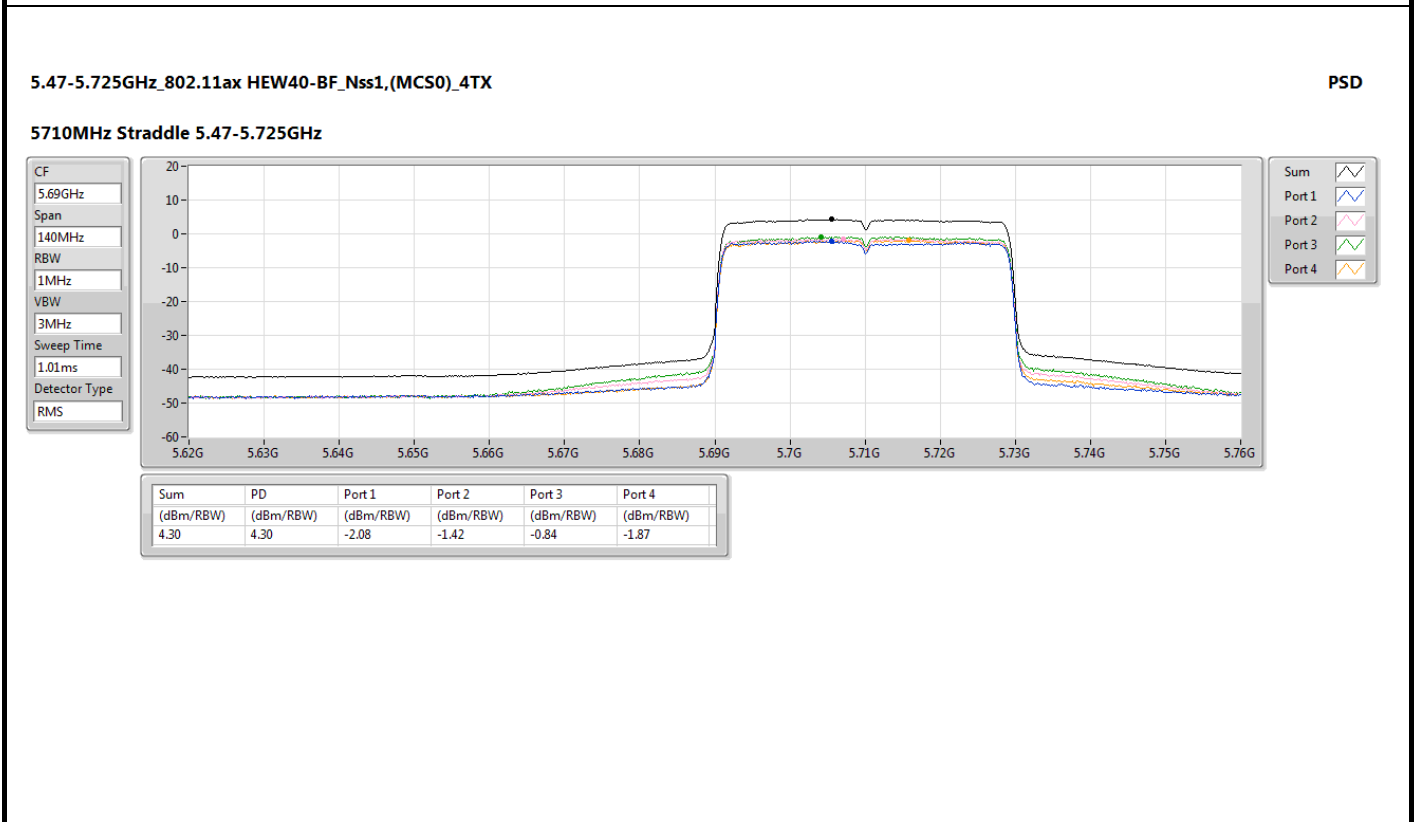
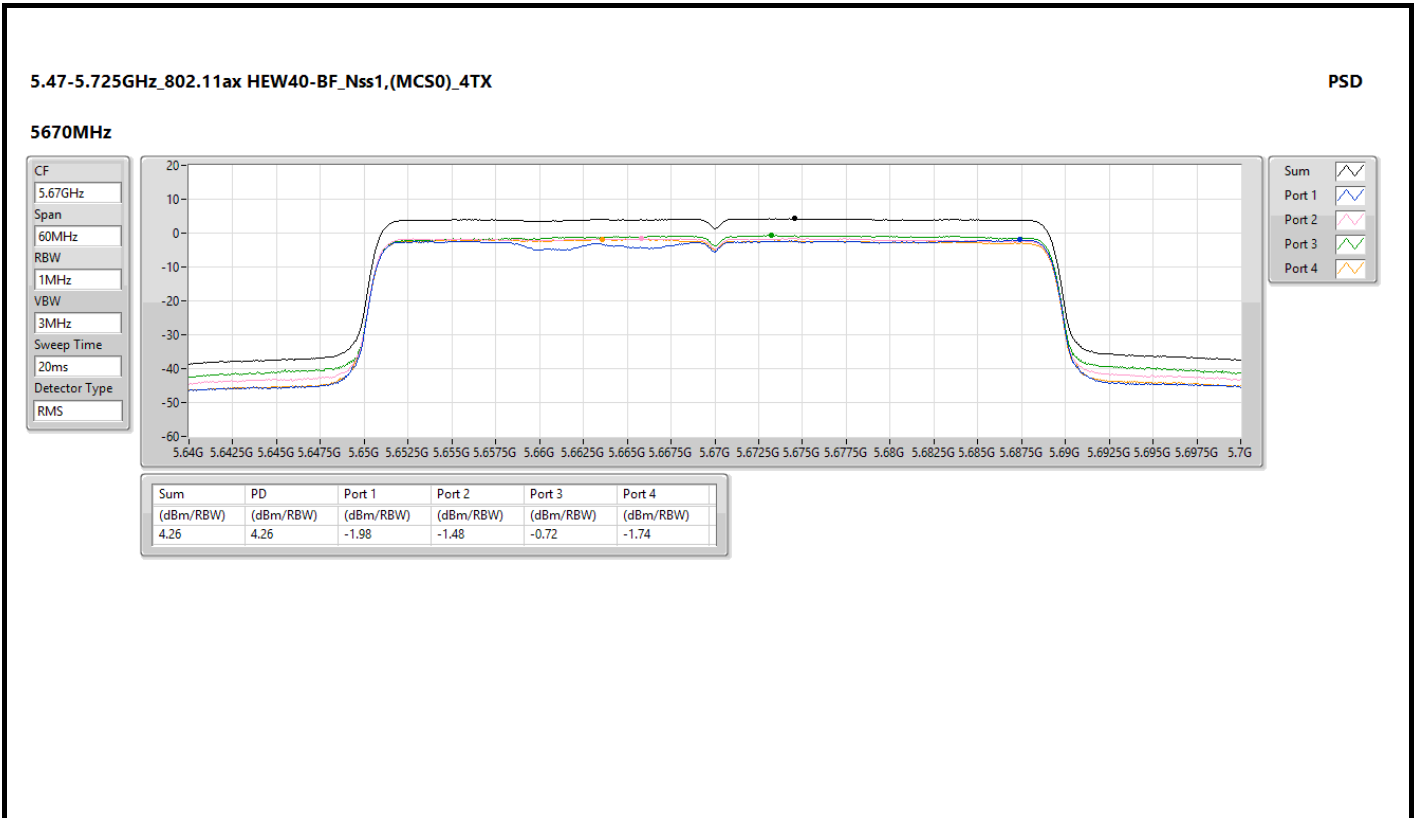


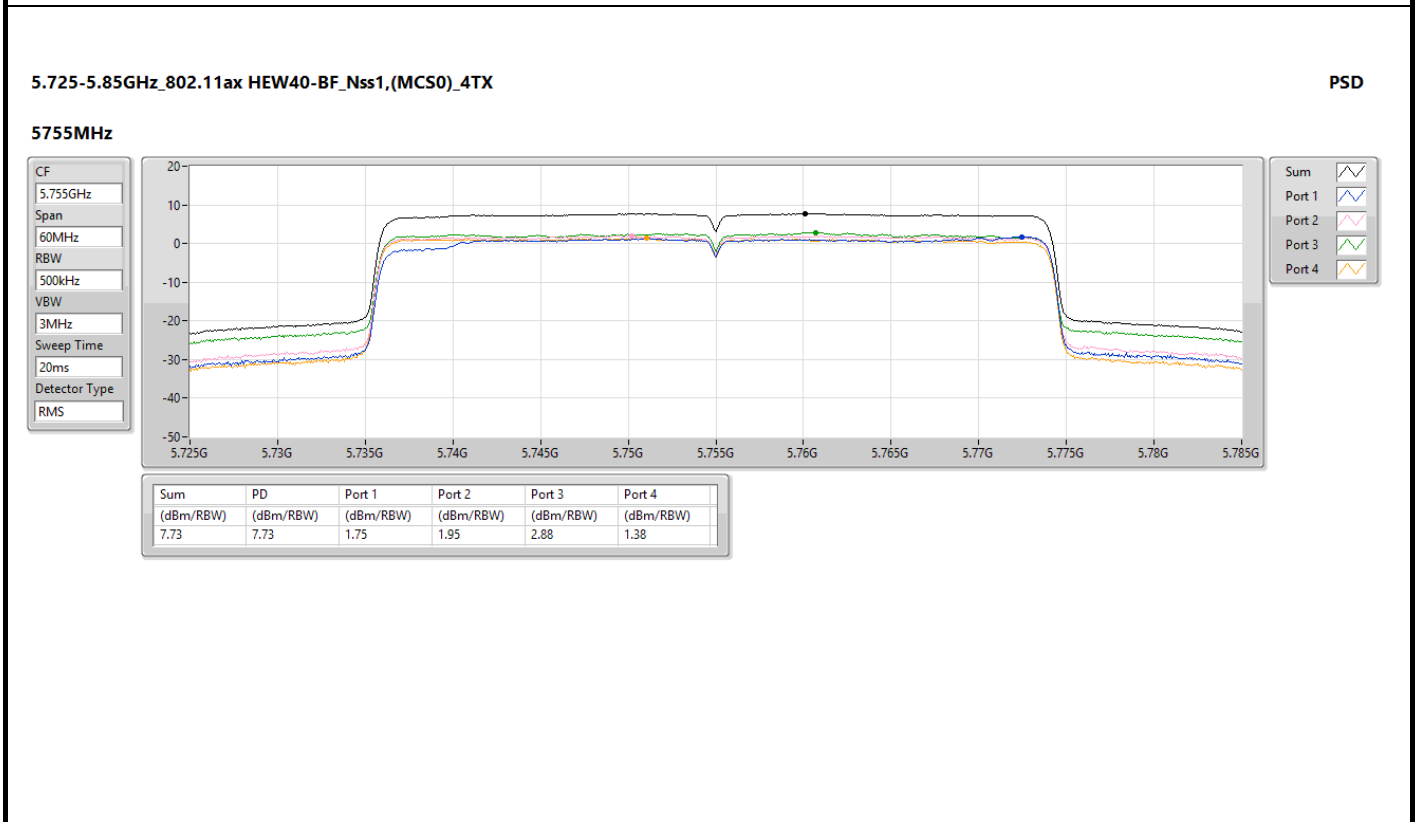
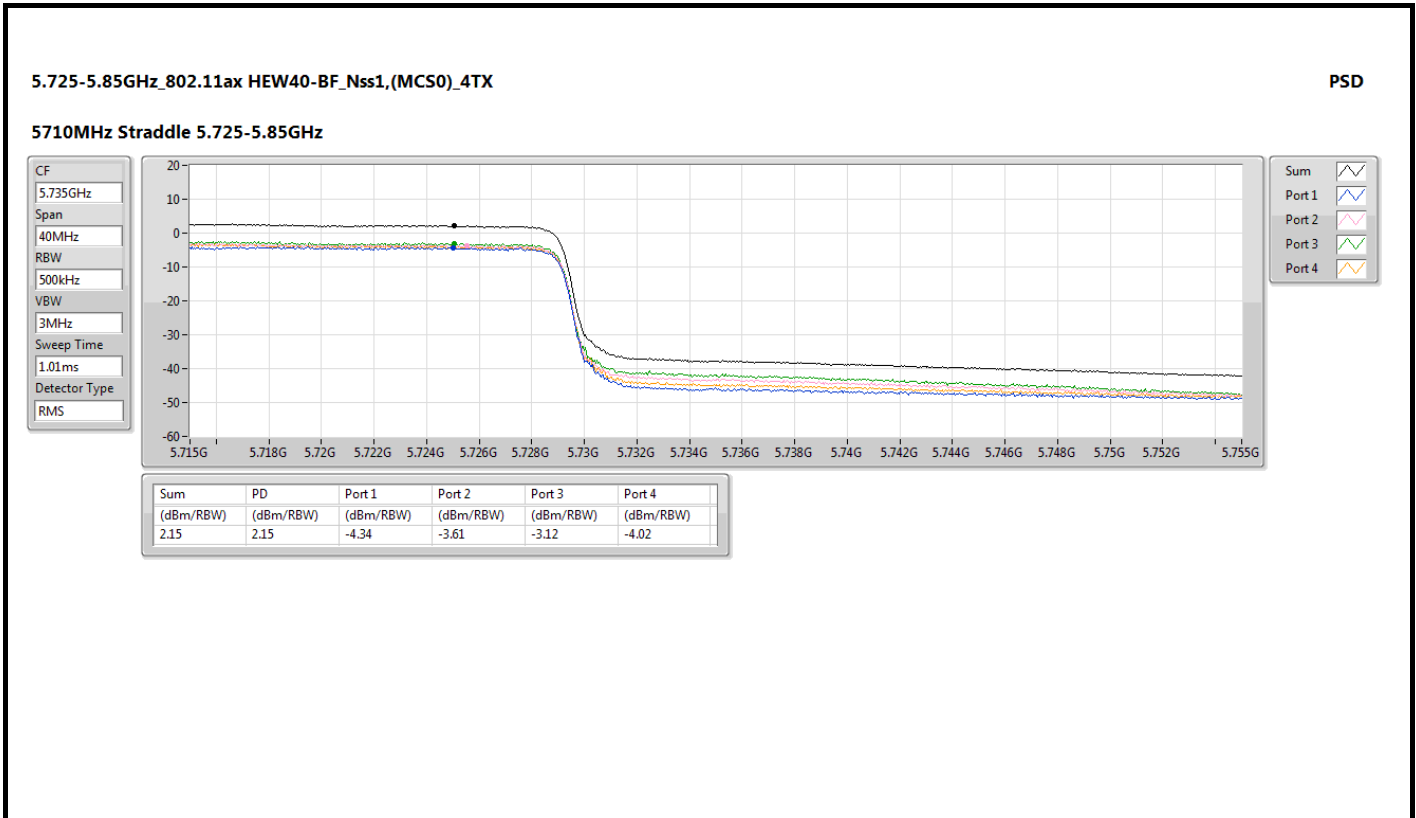




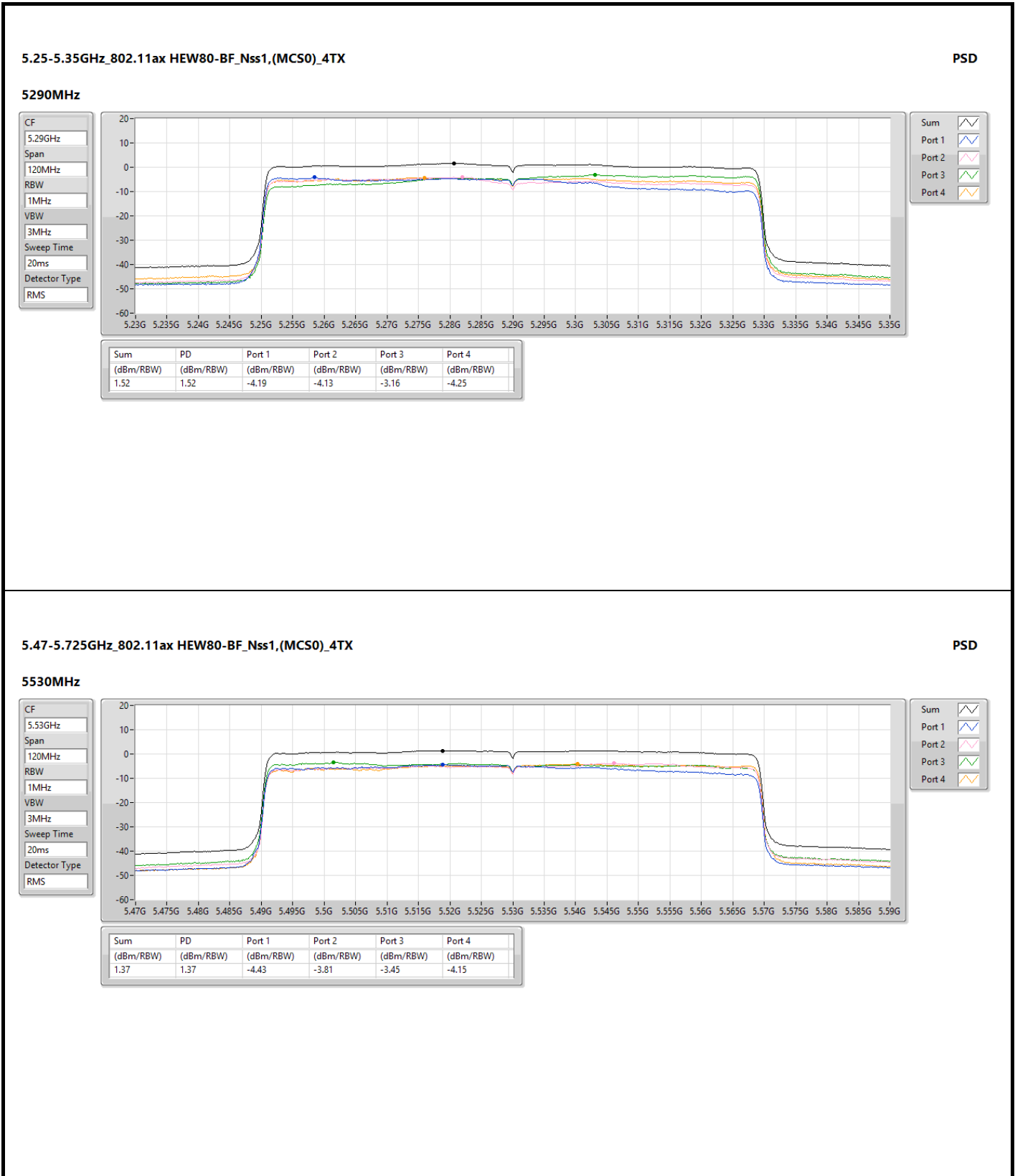


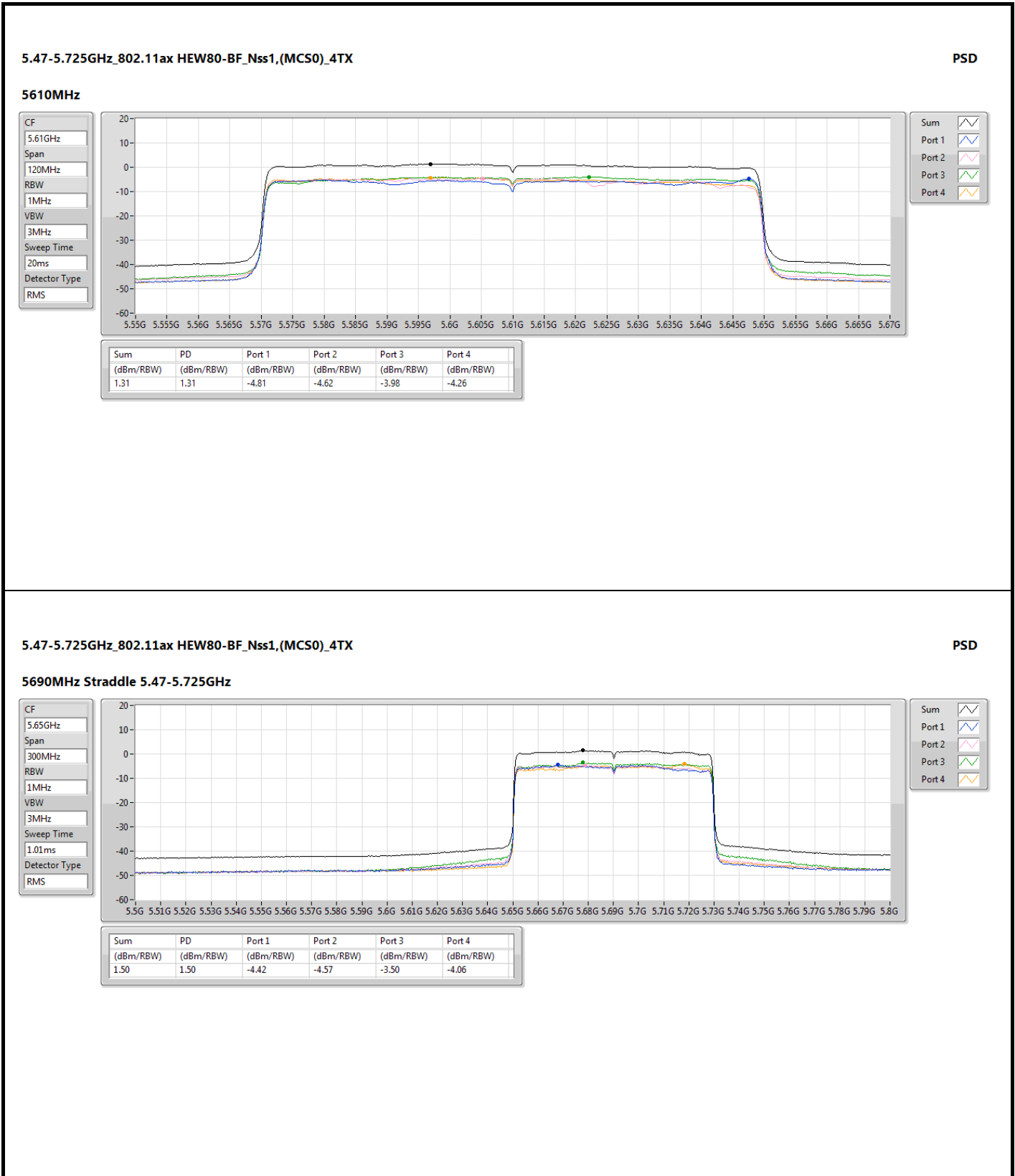


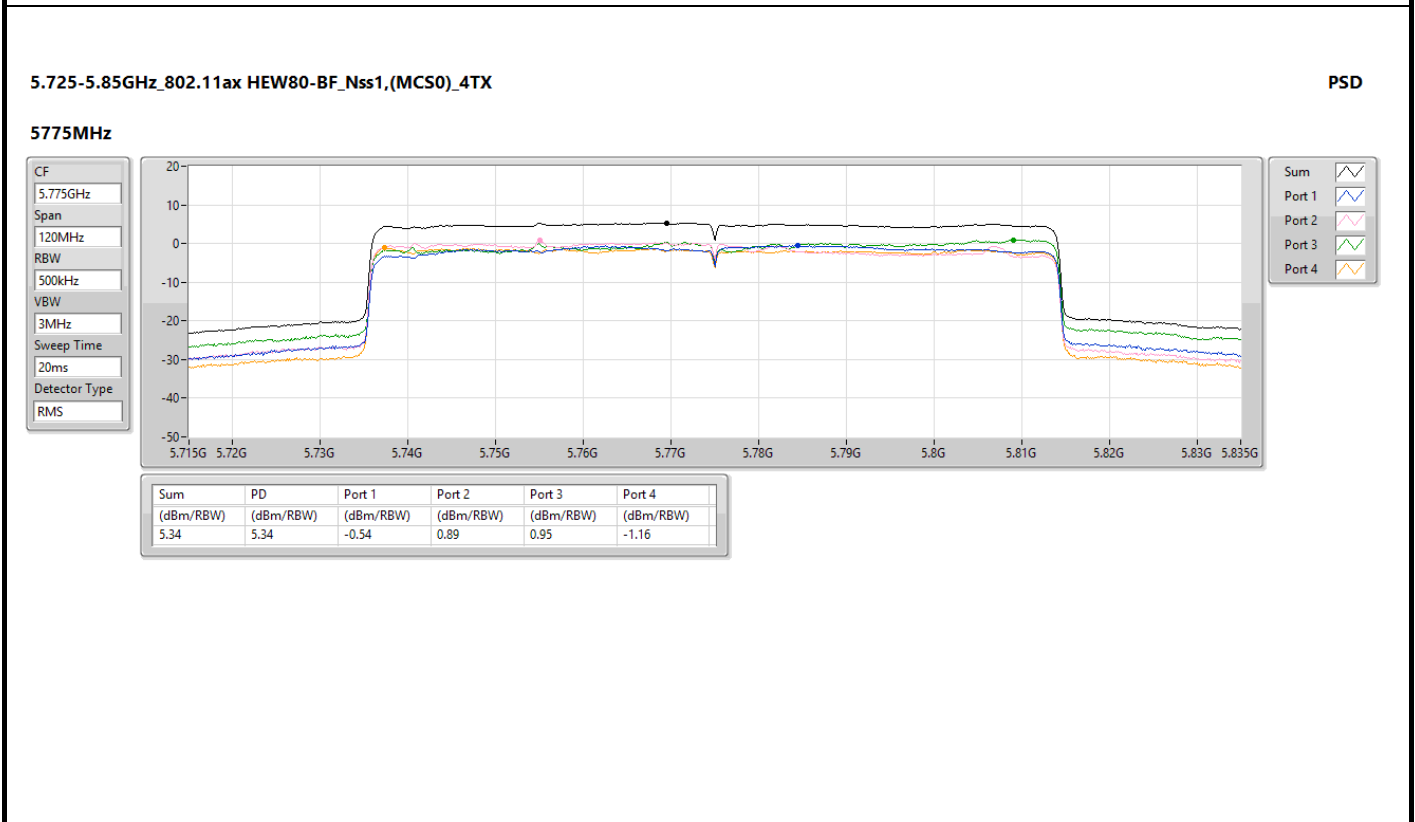
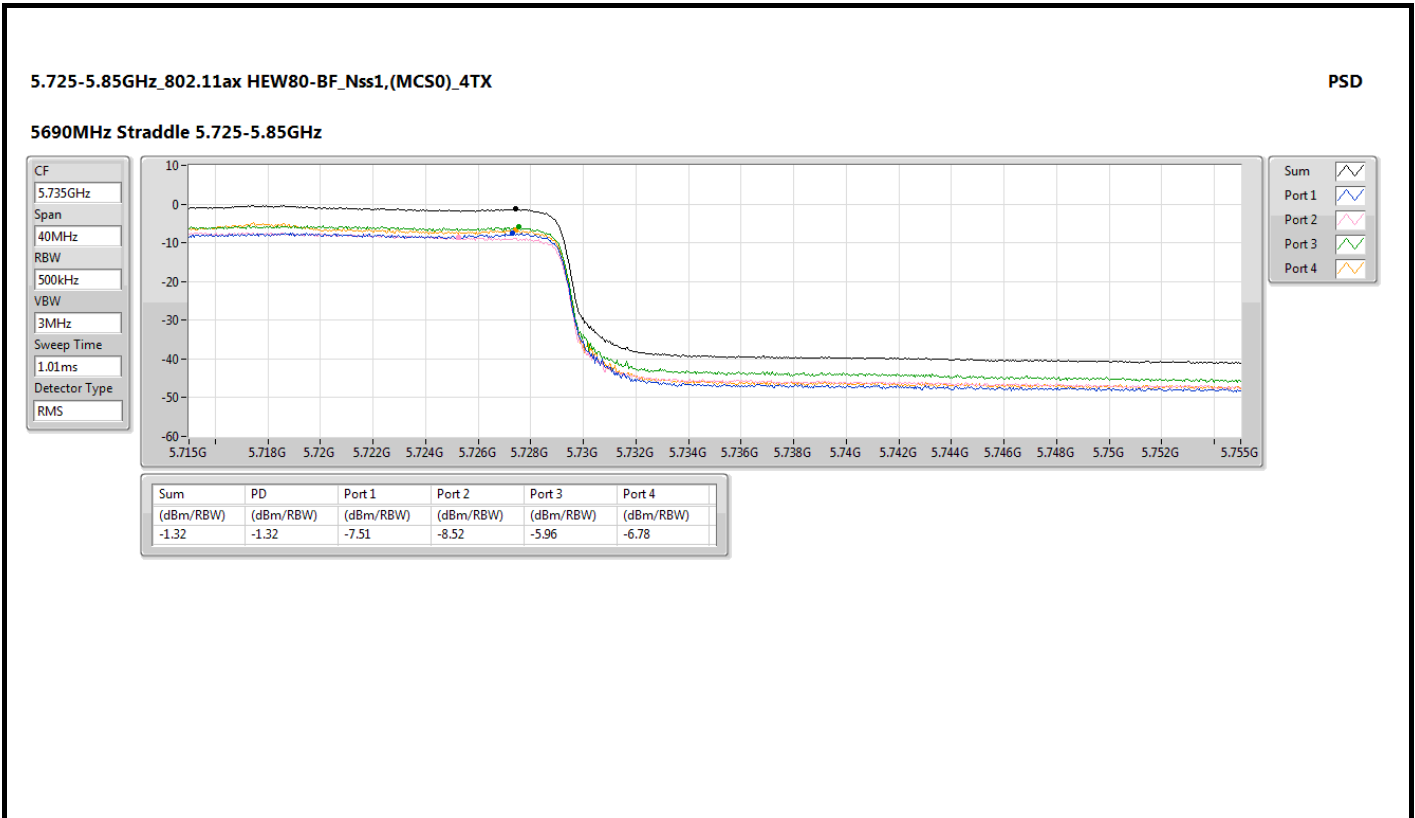


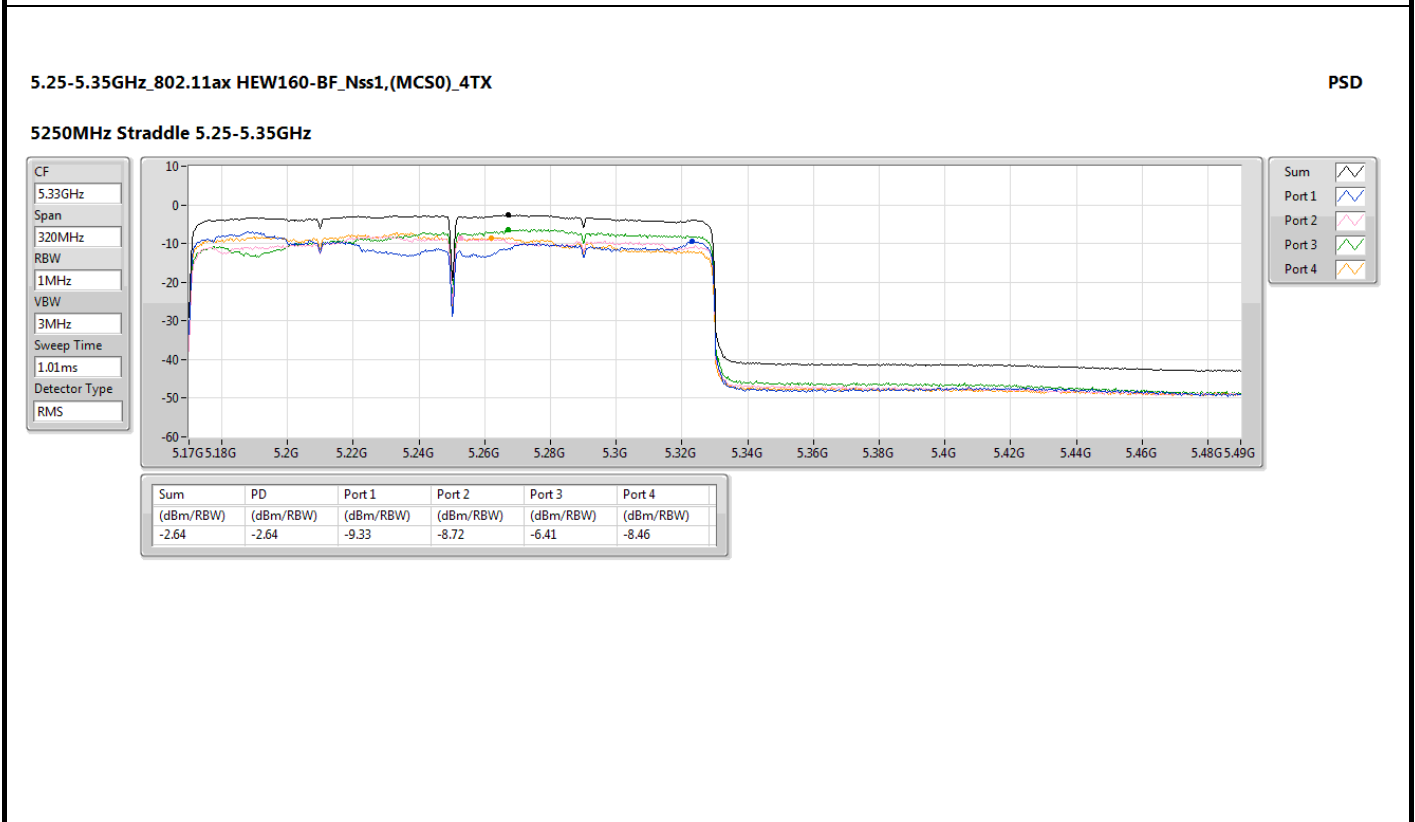
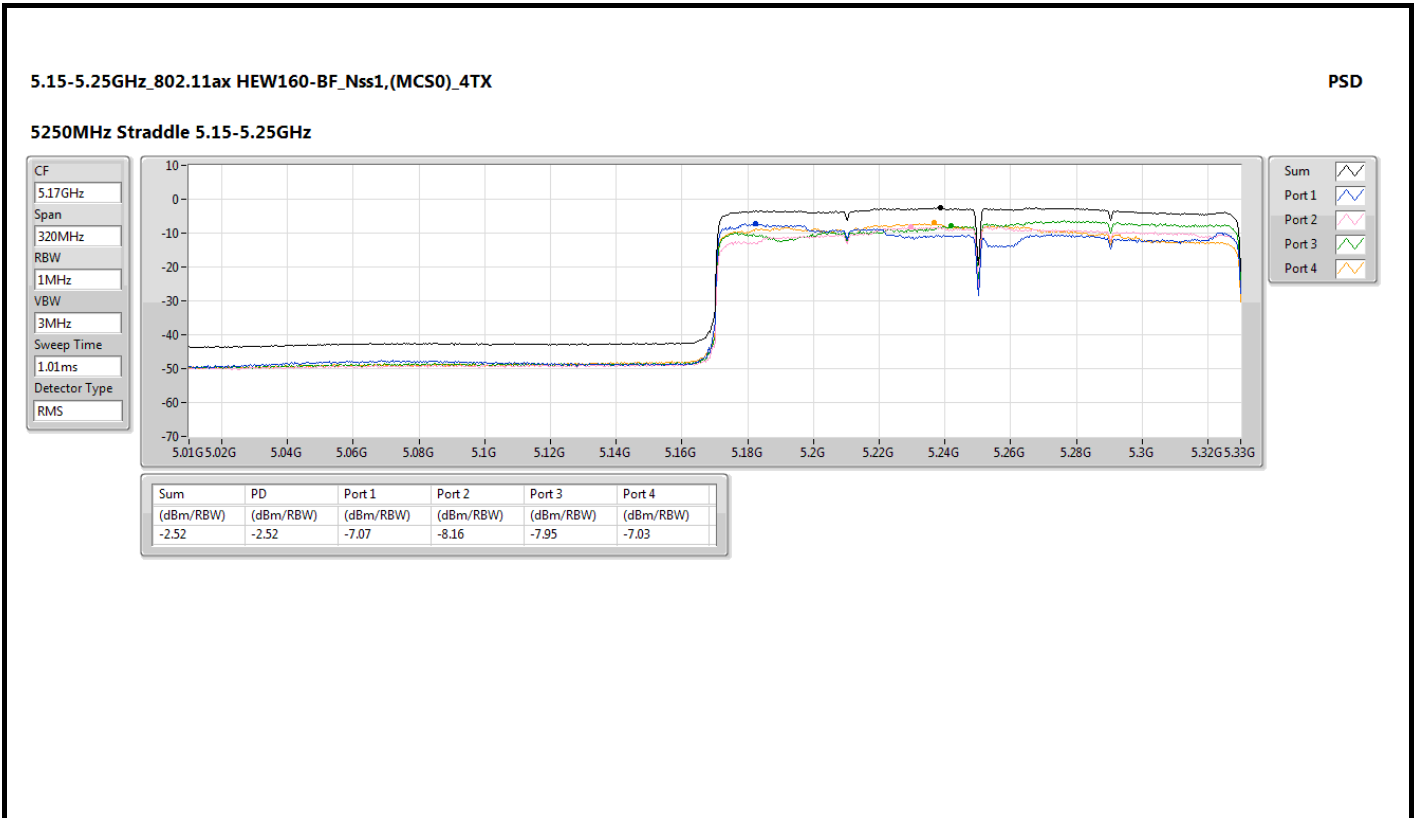


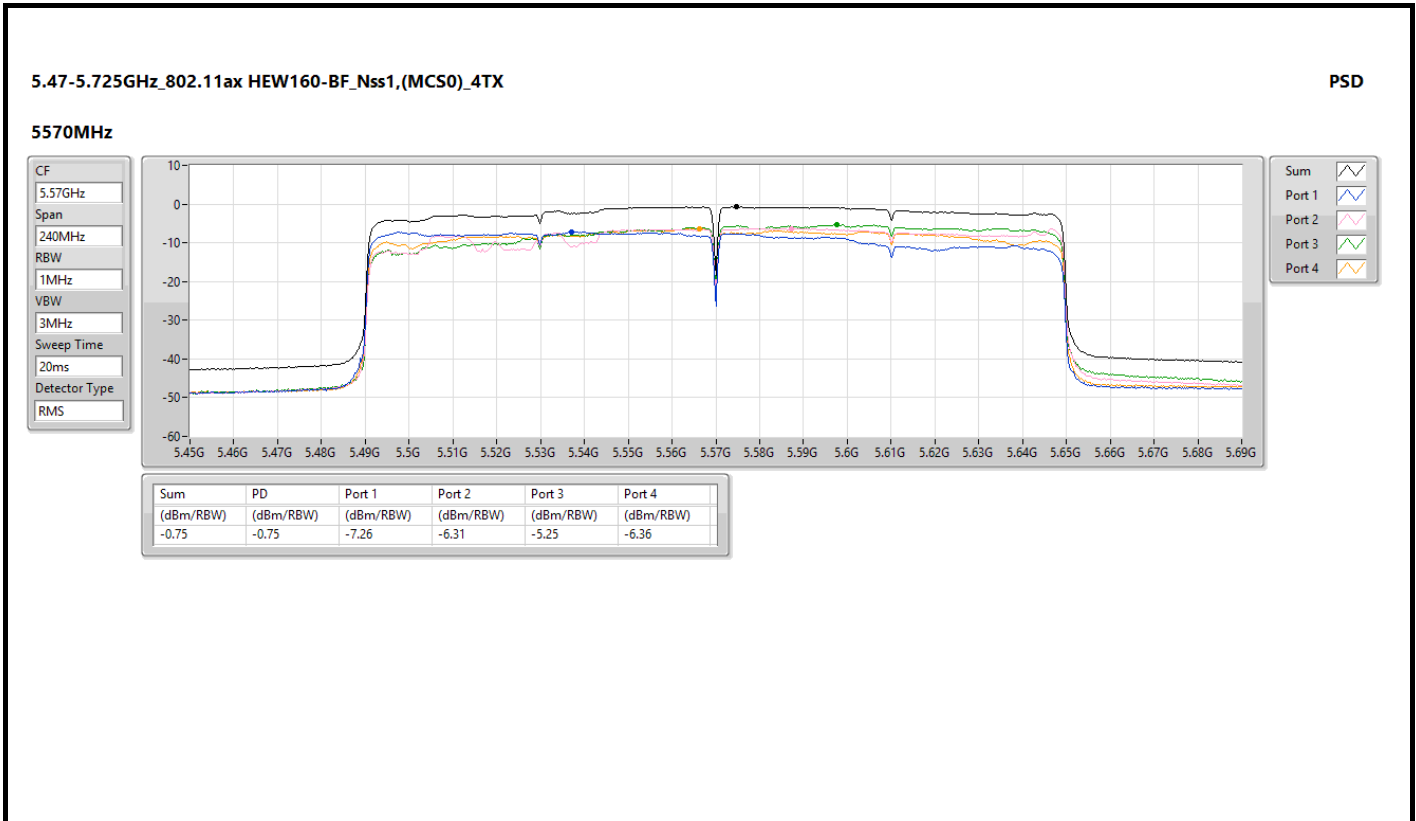












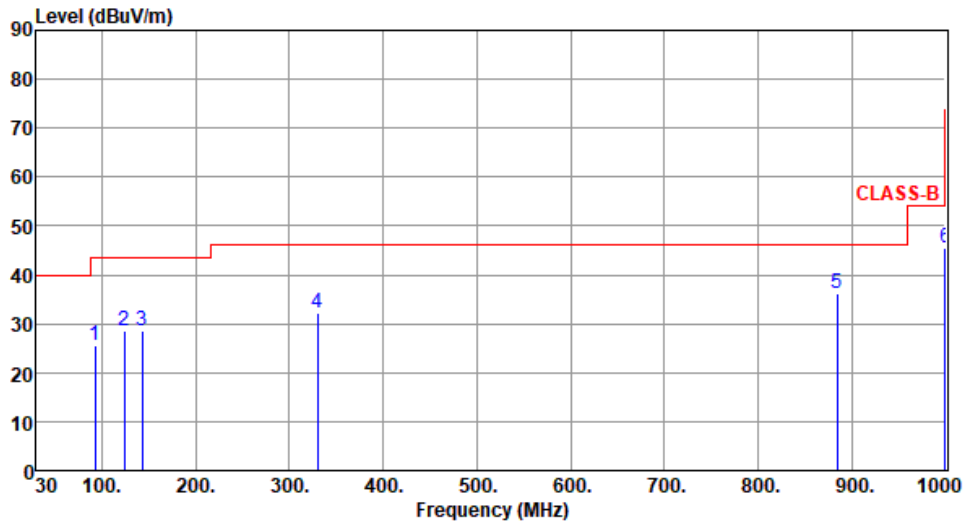


Non-beamforming mode

Unwanted Emissions (Below 1GHz)

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

Test By : Sean Yu Temperature(°C): 22 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	93.05	25.70	43.50	-17.80	39.86	-14.16	Peak	---	---
2	124.09	28.59	43.50	-14.91	39.51	-10.92	Peak	---	---
3	142.52	28.45	43.50	-15.05	37.37	-8.92	Peak	---	---
4	329.73	32.12	46.00	-13.88	39.02	-6.90	Peak	---	---
5	884.57	36.26	46.00	-9.74	31.04	5.22	Peak	---	---
6	1000.00	45.34	54.00	-8.66	38.58	6.76	Peak	---	---

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

*Factor includes antenna factor , cable loss and amplifier gain

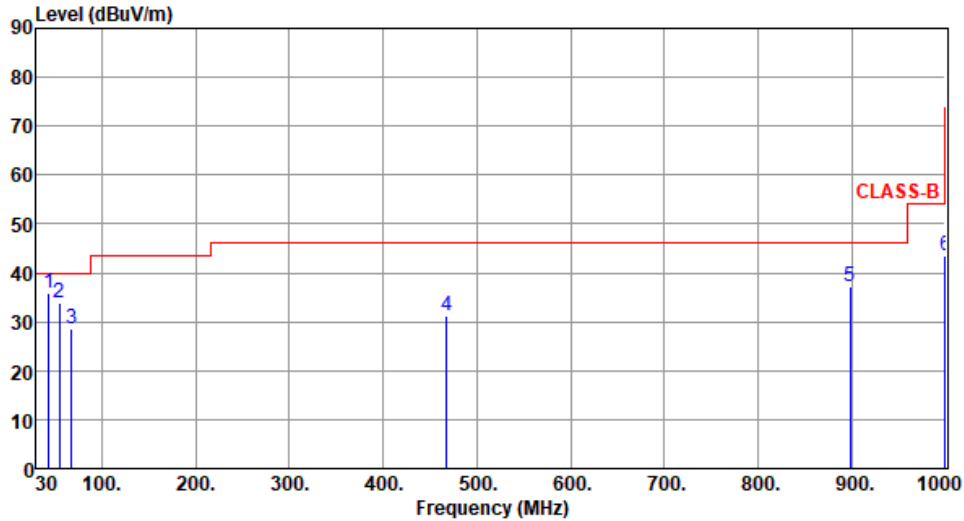
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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



Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5230
Polarization	Vertical		

Test By : Sean Yu Temperature(°C): 22 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	43.58	35.73	40.00	-4.27	44.54	-8.81	Peak	---	---
2	54.25	33.94	40.00	-6.06	42.43	-8.49	Peak	---	---
3	67.83	28.66	40.00	-11.34	39.18	-10.52	Peak	---	---
4	467.47	31.37	46.00	-14.63	34.35	-2.98	Peak	---	---
5	898.15	37.34	46.00	-8.66	31.84	5.50	Peak	---	---
6	1000.00	43.57	54.00	-10.43	36.81	6.76	Peak	---	---

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

*Factor includes antenna factor , cable loss and amplifier gain

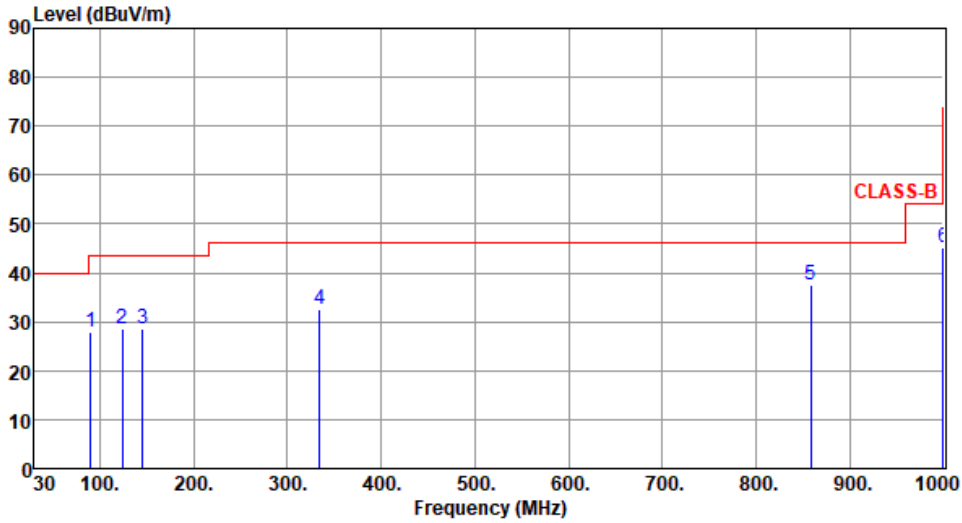
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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



Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5795
Polarization	Horizontal		

Test By :Sean Yu Temperature(°C):22 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	90.14	28.05	43.50	-15.45	42.62	-14.57	Peak	---	---
2	124.09	28.65	43.50	-14.85	39.57	-10.92	Peak	---	---
3	145.43	28.69	43.50	-14.81	37.61	-8.92	Peak	---	---
4	334.58	32.61	46.00	-13.39	39.38	-6.77	Peak	---	---
5	858.38	37.37	46.00	-8.63	32.21	5.16	Peak	---	---
6	1000.00	45.06	54.00	-8.94	38.30	6.76	Peak	---	---

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

*Factor includes antenna factor , cable loss and amplifier gain

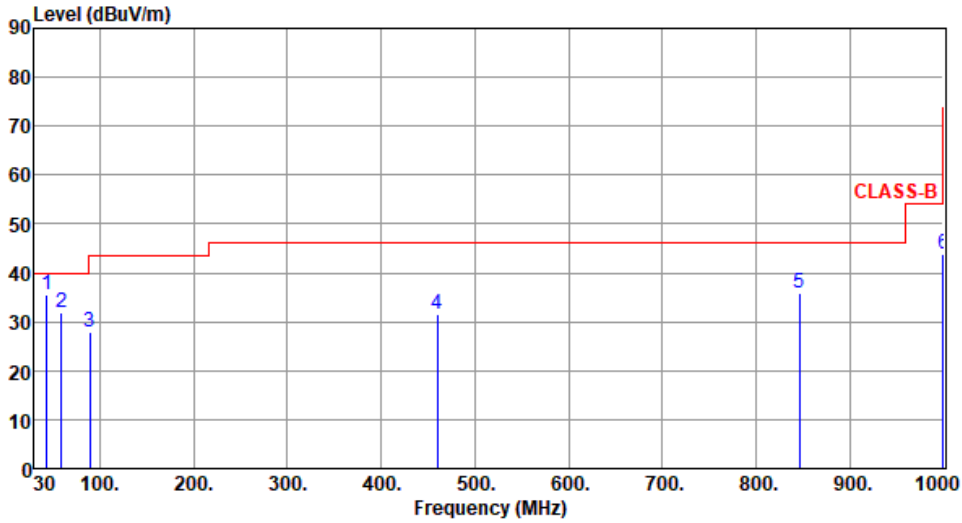
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

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



Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5795
Polarization	Vertical		

Test By :Sean Yu Temperature(°C):22 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	43.58	35.70	40.00	-4.30	44.51	-8.81	Peak	---	---
2	59.10	32.03	40.00	-7.97	41.15	-9.12	Peak	---	---
3	89.17	27.94	43.50	-15.56	42.52	-14.58	Peak	---	---
4	459.71	31.42	46.00	-14.58	34.56	-3.14	Peak	---	---
5	846.74	35.86	46.00	-10.14	30.98	4.88	Peak	---	---
6	1000.00	43.78	54.00	-10.22	37.02	6.76	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.



Unwanted Emissions (Above 1GHz) for 11a

Modulation	11a	Test Freq. (MHz)	5180						
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	5150.00	51.66	54.00	-2.34	50.84	0.82	Average	219	261
2	5150.00	73.66	74.00	-0.34	72.84	0.82	Peak	219	261
3	10360.00	58.07	68.20	-10.13	49.58	8.49	Peak	121	45
4	15540.00	47.71	54.00	-6.29	41.73	5.98	Average	100	38
5	15540.00	60.86	74.00	-13.14	54.88	5.98	Peak	100	38
6	20720.00	52.50	54.00	-1.50	49.16	3.34	Average	125	27
7	20720.00	60.27	74.00	-13.73	56.93	3.34	Peak	125	27
8	25900.00	63.54	68.20	-4.66	55.33	8.21	Peak	125	69

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

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, and a horizontal red line at approximately 55 dBuV/m represents the UNII 1-2-AV limit. Vertical blue lines indicate specific measurement points labeled 1 through 8. A red vertical line at 5180 MHz is labeled UNII 1-2-PK.

	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	51.93	54.00	-2.07	51.11	0.82	Average	208	139
2	5150.00	73.89	74.00	-0.11	73.07	0.82	Peak	208	139
3	10360.00	57.15	68.20	-11.05	48.66	8.49	Peak	100	122
4	15540.00	47.64	54.00	-6.36	41.66	5.98	Average	125	89
5	15540.00	61.46	74.00	-12.54	55.48	5.98	Peak	125	89
6	20720.00	45.81	54.00	-8.19	42.47	3.34	Average	100	73
7	20720.00	55.00	74.00	-19.00	51.66	3.34	Peak	100	73
8	25900.00	56.44	68.20	-11.76	48.23	8.21	Peak	100	22

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).



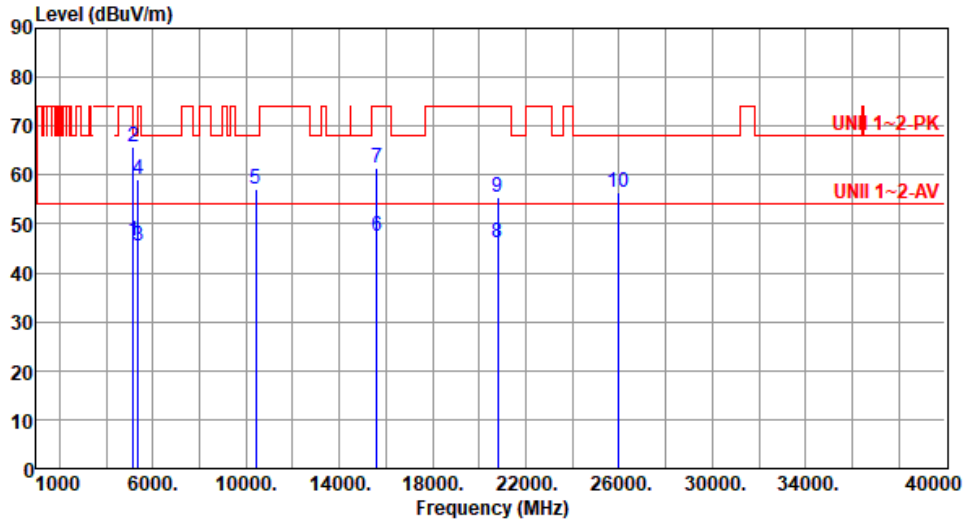
Modulation	11a	Test Freq. (MHz)	5200						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):24 Humidity(%):62									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5150.00	47.98	54.00	-6.02	47.16	0.82	Average	233	245
2	5150.00	67.84	74.00	-6.16	67.02	0.82	Peak	233	245
3	5350.00	45.18	54.00	-8.82	45.04	0.14	Average	233	245
4	5350.00	59.03	74.00	-14.97	58.89	0.14	Peak	233	245
5	10400.00	59.51	68.20	-8.69	50.87	8.64	Peak	100	48
6	15600.00	50.86	54.00	-3.14	45.11	5.75	Average	103	40
7	15600.00	64.28	74.00	-9.72	58.53	5.75	Peak	103	40
8	20800.00	53.85	54.00	-0.15	50.38	3.47	Average	131	30
9	20800.00	60.88	74.00	-13.12	57.41	3.47	Peak	131	30
10	26000.00	64.14	68.20	-4.06	55.91	8.23	Peak	128	69

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	Vertical		

Test By :Brad Wu 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	5150.00	46.65	54.00	-7.35	45.83	0.82	Average	166	126
2	5150.00	65.85	74.00	-8.15	65.03	0.82	Peak	166	126
3	5350.00	45.62	54.00	-8.38	45.48	0.14	Average	166	126
4	5350.00	59.07	74.00	-14.93	58.93	0.14	Peak	166	126
5	10400.00	57.17	68.20	-11.03	48.53	8.64	Peak	100	136
6	15600.00	47.45	54.00	-6.55	41.70	5.75	Average	125	94
7	15600.00	61.36	74.00	-12.64	55.61	5.75	Peak	125	94
8	20800.00	46.01	54.00	-7.99	42.54	3.47	Average	100	74
9	20800.00	55.35	74.00	-18.65	51.88	3.47	Peak	100	74
10	26000.00	56.42	68.20	-11.78	48.19	8.23	Peak	100	26

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

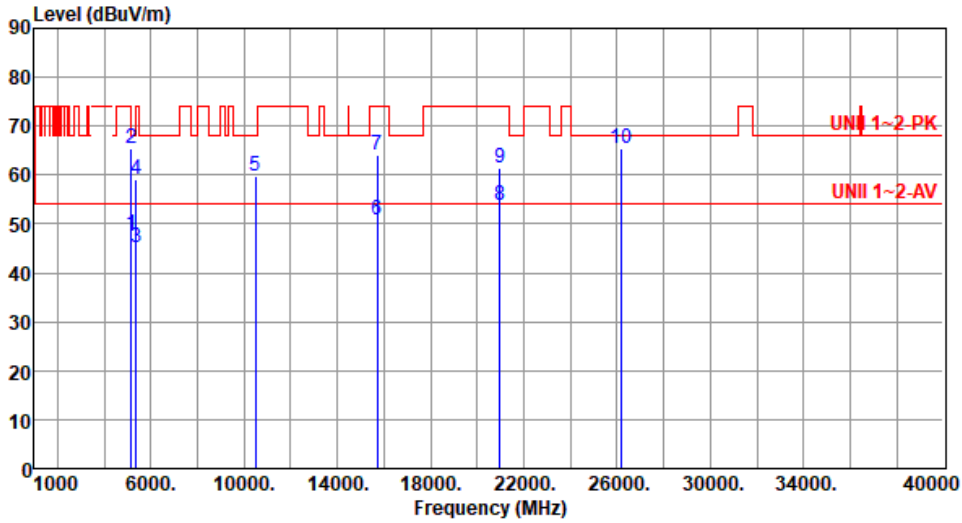
*Factor includes antenna factor , cable loss and amplifier gain

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



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

Test By :Brad Wu 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	5150.00	47.81	54.00	-6.19	46.99	0.82	Average	231	246
2	5150.00	65.45	74.00	-8.55	64.63	0.82	Peak	231	246
3	5350.00	45.24	54.00	-8.76	45.10	0.14	Average	231	246
4	5350.00	59.11	74.00	-14.89	58.97	0.14	Peak	231	246
5	10480.00	59.62	68.20	-8.58	50.93	8.69	Peak	100	51
6	15720.00	50.75	54.00	-3.25	45.03	5.72	Average	100	42
7	15720.00	64.21	74.00	-9.79	58.49	5.72	Peak	100	42
8	20960.00	53.83	54.00	-0.17	50.02	3.81	Average	127	32
9	20960.00	61.50	74.00	-12.50	57.69	3.81	Peak	127	32
10	26200.00	65.59	68.20	-2.61	57.16	8.43	Peak	129	69

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 :Brad Wu Temperature(°C):24 Humidity(%):62									
<p>The plot shows a red waveform 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'. Another horizontal red line at approximately 70 dBuV/m is labeled 'UNII 1~2-PK'. Several peaks are marked with blue vertical lines and numbered 1 through 10. The y-axis ranges from 0 to 90 dBuV/m, and the x-axis ranges from 1000 to 40000 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	46.68	54.00	-7.32	45.86	0.82	Average	241	127
2	5150.00	59.89	74.00	-14.11	59.07	0.82	Peak	241	127
3	5350.00	46.07	54.00	-7.93	45.93	0.14	Average	241	127
4	5350.00	59.59	74.00	-14.41	59.45	0.14	Peak	241	127
5	10480.00	57.81	68.20	-10.39	49.12	8.69	Peak	100	155
6	15720.00	47.45	54.00	-6.55	41.73	5.72	Average	127	96
7	15720.00	61.36	74.00	-12.64	55.64	5.72	Peak	127	96
8	20960.00	46.54	54.00	-7.46	42.73	3.81	Average	100	74
9	20960.00	55.94	74.00	-18.06	52.13	3.81	Peak	100	74
10	26200.00	56.95	68.20	-11.25	48.52	8.43	Peak	100	20
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 : Sean Yu Temperature(°C): 24 Humidity(%): 62									
<p>The plot shows a red waveform 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'. Another horizontal red line at approximately 70 dBuV/m is labeled 'UNII 1-2-PK'. Several peaks are marked with blue vertical lines and numbers 2, 5, 7, and 9. Peak 2 is at 5150 MHz, peak 5 is at 10520 MHz, peak 7 is at 15780 MHz, and peak 9 is at 21040 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	44.13	54.00	-9.87	43.31	0.82	Average	235	245
2	5150.00	56.32	74.00	-17.68	55.50	0.82	Peak	235	245
3	5350.00	43.82	54.00	-10.18	43.68	0.14	Average	235	245
4	5350.00	55.42	74.00	-18.58	55.28	0.14	Peak	235	245
5	10520.00	55.12	68.20	-13.08	46.40	8.72	Peak	100	115
6	15780.00	43.31	54.00	-10.69	37.64	5.67	Average	100	227
7	15780.00	55.34	74.00	-18.66	49.67	5.67	Peak	100	227
8	21040.00	52.76	54.00	-1.24	48.82	3.94	Average	121	29
9	21040.00	58.31	74.00	-15.69	54.37	3.94	Peak	121	29

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).

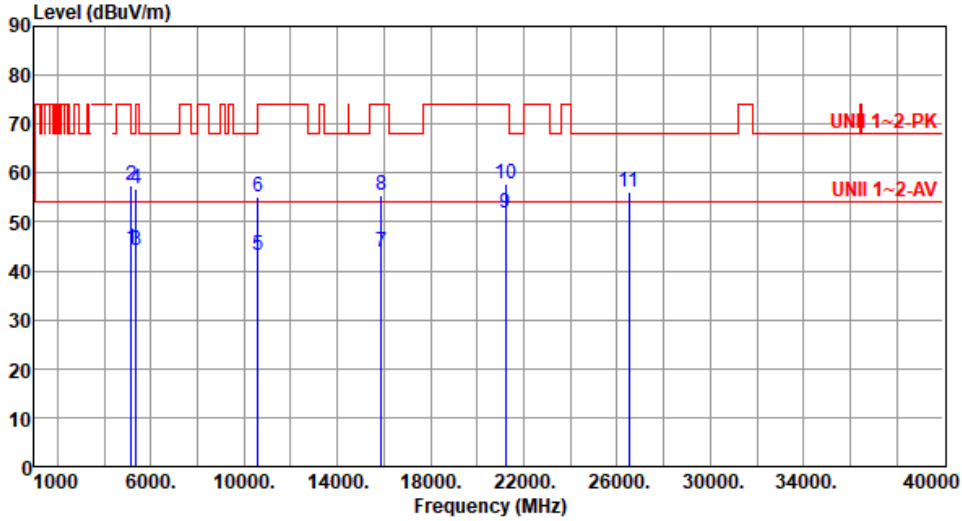


Modulation	11a	Test Freq. (MHz)	5260						
Polarization	Vertical								
Test By : Sean Yu Temperature(°C): 24 Humidity(%): 62									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.10	54.00	-9.90	43.28	0.82	Average	217	125
2	5150.00	56.02	74.00	-17.98	55.20	0.82	Peak	217	125
3	5350.00	43.77	54.00	-10.23	43.63	0.14	Average	217	125
4	5350.00	55.97	74.00	-18.03	55.83	0.14	Peak	217	125
5	10520.00	55.30	68.20	-12.90	46.58	8.72	Peak	100	202
6	15780.00	43.26	54.00	-10.74	37.59	5.67	Average	100	118
7	15780.00	55.40	74.00	-18.60	49.73	5.67	Peak	100	118
8	21040.00	44.12	54.00	-9.88	40.18	3.94	Average	100	72
9	21040.00	55.42	74.00	-18.58	51.48	3.94	Peak	100	72
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 :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	5150.00	44.50	54.00	-9.50	43.68	0.82	Average	228	247
2	5150.00	57.30	74.00	-16.70	56.48	0.82	Peak	228	247
3	5350.00	44.17	54.00	-9.83	44.03	0.14	Average	228	247
4	5350.00	56.78	74.00	-17.22	56.64	0.14	Peak	228	247
5	10600.00	43.07	54.00	-10.93	34.27	8.80	Average	100	128
6	10600.00	55.13	74.00	-18.87	46.33	8.80	Peak	100	128
7	15900.00	43.71	54.00	-10.29	38.07	5.64	Average	100	223
8	15900.00	55.50	74.00	-18.50	49.86	5.64	Peak	100	223
9	21200.00	51.86	54.00	-2.14	47.77	4.09	Average	133	30
10	21200.00	57.87	74.00	-16.13	53.78	4.09	Peak	133	30
11	26500.00	56.28	68.20	-11.92	47.26	9.02	Peak	100	221

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).



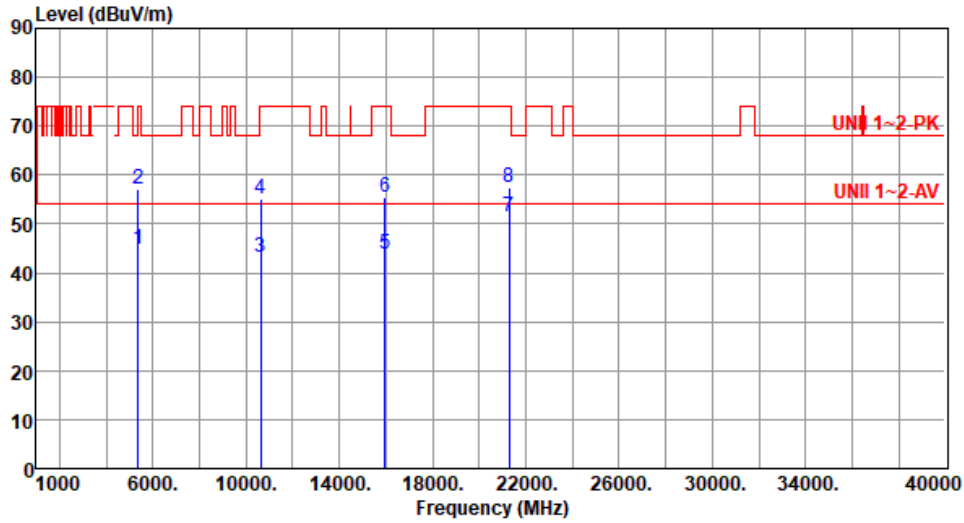
Modulation	11a	Test Freq. (MHz)	5300						
Polarization	Vertical								
Test By : Sean Yu Temperature(°C): 24 Humidity(%): 62									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	44.32	54.00	-9.68	43.50	0.82	Average	203	125
2	5150.00	57.03	74.00	-16.97	56.21	0.82	Peak	203	125
3	5350.00	44.47	54.00	-9.53	44.33	0.14	Average	203	125
4	5350.00	57.78	74.00	-16.22	57.64	0.14	Peak	203	125
5	10600.00	43.13	54.00	-10.87	34.33	8.80	Average	100	318
6	10600.00	55.32	74.00	-18.68	46.52	8.80	Peak	100	318
7	15900.00	43.50	54.00	-10.50	37.86	5.64	Average	100	178
8	15900.00	55.53	74.00	-18.47	49.89	5.64	Peak	100	178
9	21200.00	44.20	54.00	-9.80	40.11	4.09	Average	100	75
10	21200.00	55.20	74.00	-18.80	51.11	4.09	Peak	100	75
11	26500.00	55.79	68.20	-12.41	46.77	9.02	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).



Modulation	11a	Test Freq. (MHz)	5320
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	5350.00	44.68	54.00	-9.32	44.54	0.14	Average	229	246
2	5350.00	57.26	74.00	-16.74	57.12	0.14	Peak	229	246
3	10640.00	43.13	54.00	-10.87	34.33	8.80	Average	100	142
4	10640.00	55.27	74.00	-18.73	46.47	8.80	Peak	100	142
5	15960.00	43.77	54.00	-10.23	38.12	5.65	Average	100	209
6	15960.00	55.53	74.00	-18.47	49.88	5.65	Peak	100	209
7	21280.00	51.32	54.00	-2.68	47.14	4.18	Average	126	16
8	21280.00	57.31	74.00	-16.69	53.13	4.18	Peak	126	16

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

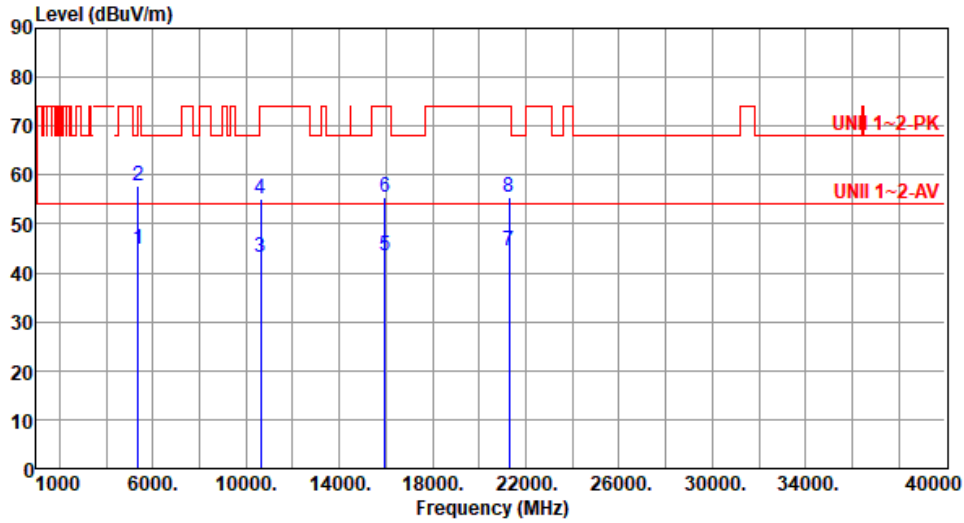
*Factor includes antenna factor , cable loss and amplifier gain

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



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

Test By :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	5350.00	44.86	54.00	-9.14	44.72	0.14	Average	209	126
2	5350.00	57.95	74.00	-16.05	57.81	0.14	Peak	209	126
3	10640.00	43.06	54.00	-10.94	34.26	8.80	Average	100	227
4	10640.00	55.27	74.00	-18.73	46.47	8.80	Peak	100	227
5	15960.00	43.38	54.00	-10.62	37.73	5.65	Average	100	183
6	15960.00	55.56	74.00	-18.44	49.91	5.65	Peak	100	183
7	21280.00	44.40	54.00	-9.60	40.22	4.18	Average	100	74
8	21280.00	55.50	74.00	-18.50	51.32	4.18	Peak	100	74

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

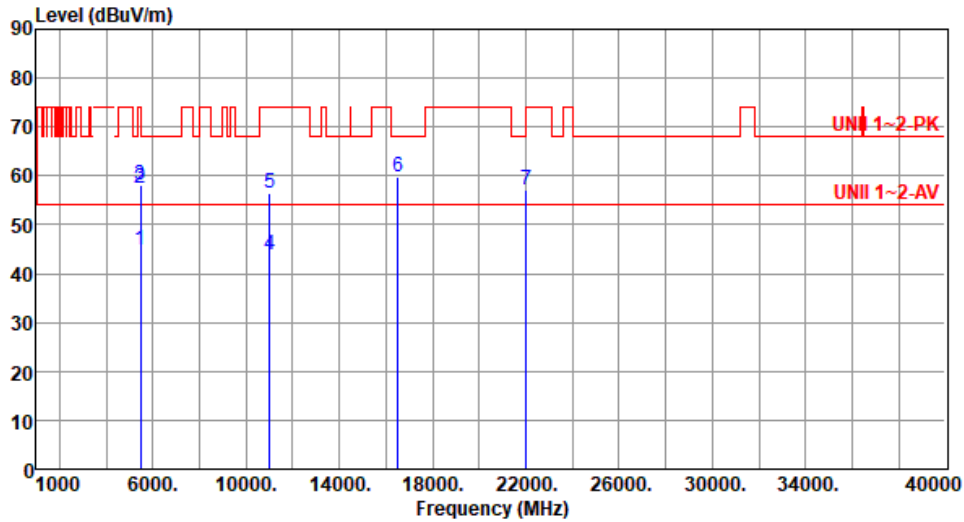
*Factor includes antenna factor , cable loss and amplifier gain

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



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

Test By : 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	5460.00	44.69	54.00	-9.31	44.11	0.58	Average	225	237
2	5460.00	57.38	74.00	-16.62	56.80	0.58	Peak	225	237
3	5470.00	58.12	68.20	-10.08	57.53	0.59	Peak	225	237
4	11000.00	43.72	54.00	-10.28	34.51	9.21	Average	100	248
5	11000.00	56.34	74.00	-17.66	47.13	9.21	Peak	100	248
6	16500.00	59.73	68.20	-8.47	52.74	6.99	Peak	175	37
7	22000.00	57.08	68.20	-11.12	52.06	5.02	Peak	137	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).

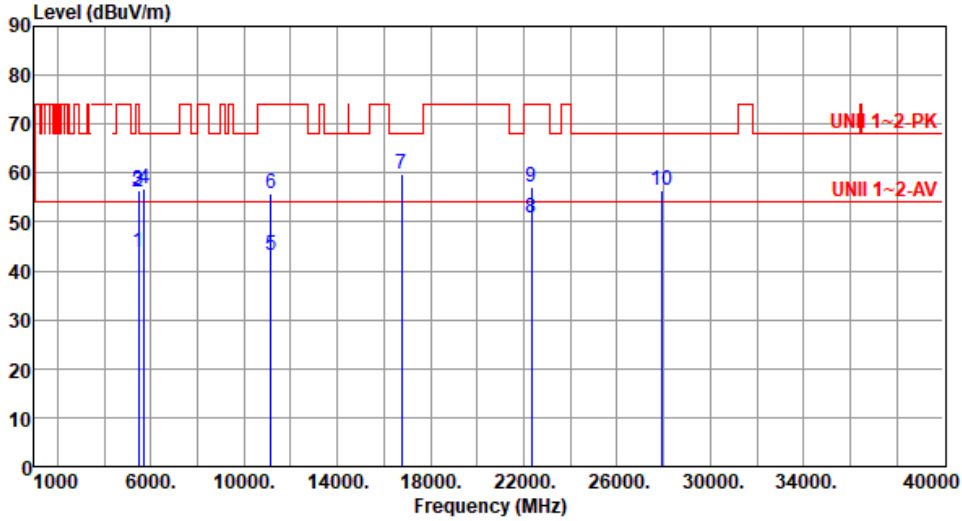


Modulation	11a	Test Freq. (MHz)	5500						
Polarization	Vertical								
Test By : Sean Yu Temperature(°C): 24 Humidity(%): 62									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5460.00	45.04	54.00	-8.96	44.46	0.58	Average	234	126
2	5460.00	57.58	74.00	-16.42	57.00	0.58	Peak	234	126
3	5470.00	58.65	68.20	-9.55	58.06	0.59	Peak	234	126
4	11000.00	43.76	54.00	-10.24	34.55	9.21	Average	100	113
5	11000.00	55.93	74.00	-18.07	46.72	9.21	Peak	100	113
6	16500.00	58.26	68.20	-9.94	51.27	6.99	Peak	100	193
7	22000.00	57.40	68.20	-10.80	52.38	5.02	Peak	258	83
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)	5580
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	5460.00	43.77	54.00	-10.23	43.19	0.58	Average	224	240
2	5460.00	56.20	74.00	-17.80	55.62	0.58	Peak	224	240
3	5470.00	56.30	68.20	-11.90	55.71	0.59	Peak	224	240
4	5725.00	56.67	68.20	-11.53	55.74	0.93	Peak	224	240
5	11160.00	43.17	54.00	-10.83	34.44	8.73	Average	100	255
6	11160.00	55.63	74.00	-18.37	46.90	8.73	Peak	100	255
7	16740.00	59.91	68.20	-8.29	52.88	7.03	Peak	179	34
8	22320.00	50.77	54.00	-3.23	45.23	5.54	Average	131	105
9	22320.00	57.04	74.00	-16.96	51.50	5.54	Peak	131	105
10	27900.00	56.37	68.20	-11.83	47.06	9.31	Peak	100	255

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).



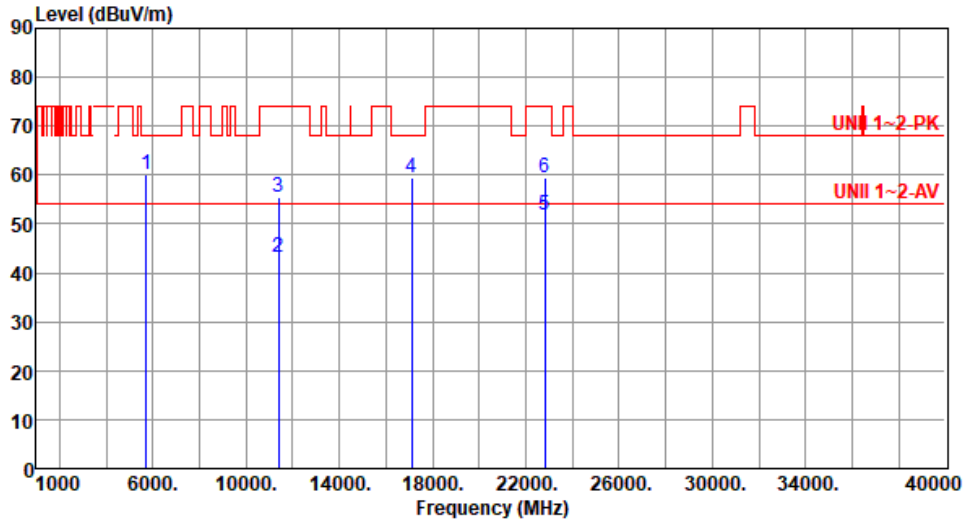
Modulation	11a	Test Freq. (MHz)	5580						
Polarization	Vertical								
Test By : Sean Yu Temperature(°C): 24 Humidity(%): 62									
<p>The plot shows a red stepped line representing the emission level across a frequency range from 1000 to 40000 MHz. Two horizontal red lines indicate limits: UNII 1-2-PK at approximately 70 dBuV/m and UNII 1-2-AV at approximately 55 dBuV/m. Ten specific peaks are marked with blue vertical lines and numbered 1 through 10.</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	5460.00	44.48	54.00	-9.52	43.90	0.58	Average	209	126
2	5460.00	57.09	74.00	-16.91	56.51	0.58	Peak	209	126
3	5470.00	57.09	68.20	-11.11	56.50	0.59	Peak	209	126
4	5725.00	58.14	68.20	-10.06	57.21	0.93	Peak	209	126
5	11160.00	43.15	54.00	-10.85	34.42	8.73	Average	100	125
6	11160.00	55.34	74.00	-18.66	46.61	8.73	Peak	100	125
7	16740.00	58.37	68.20	-9.83	51.34	7.03	Peak	100	221
8	22320.00	48.37	54.00	-5.63	42.83	5.54	Average	252	82
9	22320.00	56.83	74.00	-17.17	51.29	5.54	Peak	252	82
10	27900.00	56.63	68.20	-11.57	47.32	9.31	Peak	100	108

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 :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	5725.00	60.23	68.20	-7.97	59.30	0.93	Peak	229	295
2	11400.00	43.07	54.00	-10.93	34.51	8.56	Average	100	146
3	11400.00	55.39	74.00	-18.61	46.83	8.56	Peak	100	146
4	17100.00	59.55	68.20	-8.65	53.13	6.42	Peak	180	34
5	22800.00	51.76	54.00	-2.24	45.19	6.57	Average	153	34
6	22800.00	59.37	74.00	-14.63	52.80	6.57	Peak	153	34

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).

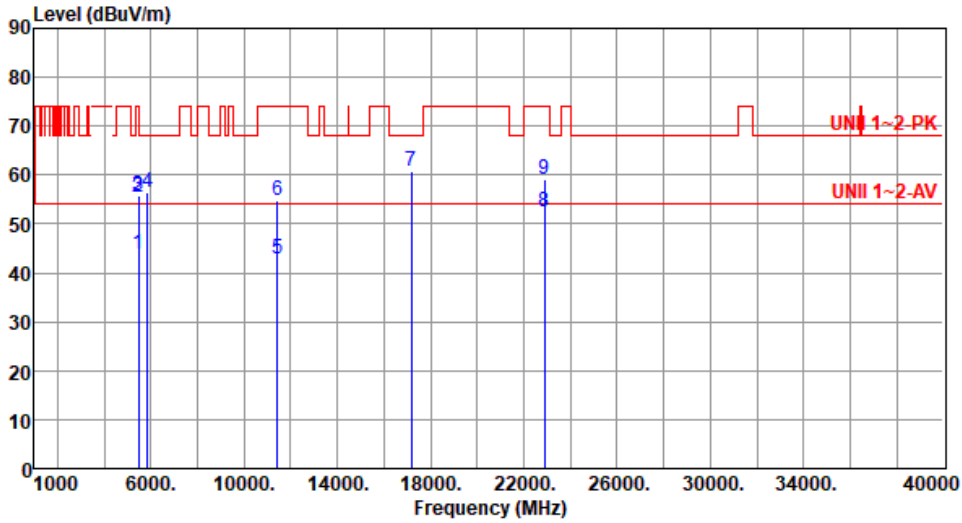


Modulation	11a	Test Freq. (MHz)	5700																																																																							
Polarization	Vertical																																																																									
Test By : Sean Yu Temperature(°C): 24 Humidity(%): 62																																																																										
<p>The plot shows a red waveform representing the emission level across a frequency range from 1000 to 40000 MHz. The y-axis represents Level in dBuV/m, ranging from 0 to 90. 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. Six vertical blue lines mark specific frequencies: 1 (5725 MHz), 2 (11400 MHz), 3 (11400 MHz), 4 (17100 MHz), 5 (22800 MHz), and 6 (22800 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>5725.00</td> <td>60.64</td> <td>68.20</td> <td>-7.56</td> <td>59.71</td> <td>0.93</td> <td>Peak</td> <td>158</td> <td>51</td> </tr> <tr> <td>2</td> <td>11400.00</td> <td>43.07</td> <td>54.00</td> <td>-10.93</td> <td>34.51</td> <td>8.56</td> <td>Average</td> <td>100</td> <td>134</td> </tr> <tr> <td>3</td> <td>11400.00</td> <td>55.13</td> <td>74.00</td> <td>-18.87</td> <td>46.57</td> <td>8.56</td> <td>Peak</td> <td>100</td> <td>134</td> </tr> <tr> <td>4</td> <td>17100.00</td> <td>58.08</td> <td>68.20</td> <td>-10.12</td> <td>51.66</td> <td>6.42</td> <td>Peak</td> <td>100</td> <td>223</td> </tr> <tr> <td>5</td> <td>22800.00</td> <td>48.67</td> <td>54.00</td> <td>-5.33</td> <td>42.10</td> <td>6.57</td> <td>Average</td> <td>247</td> <td>77</td> </tr> <tr> <td>6</td> <td>22800.00</td> <td>54.57</td> <td>74.00</td> <td>-19.43</td> <td>48.00</td> <td>6.57</td> <td>Peak</td> <td>247</td> <td>77</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	5725.00	60.64	68.20	-7.56	59.71	0.93	Peak	158	51	2	11400.00	43.07	54.00	-10.93	34.51	8.56	Average	100	134	3	11400.00	55.13	74.00	-18.87	46.57	8.56	Peak	100	134	4	17100.00	58.08	68.20	-10.12	51.66	6.42	Peak	100	223	5	22800.00	48.67	54.00	-5.33	42.10	6.57	Average	247	77	6	22800.00	54.57	74.00	-19.43	48.00	6.57	Peak	247	77			
	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	60.64	68.20	-7.56	59.71	0.93	Peak	158	51																																																																	
2	11400.00	43.07	54.00	-10.93	34.51	8.56	Average	100	134																																																																	
3	11400.00	55.13	74.00	-18.87	46.57	8.56	Peak	100	134																																																																	
4	17100.00	58.08	68.20	-10.12	51.66	6.42	Peak	100	223																																																																	
5	22800.00	48.67	54.00	-5.33	42.10	6.57	Average	247	77																																																																	
6	22800.00	54.57	74.00	-19.43	48.00	6.57	Peak	247	77																																																																	
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): 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	5460.00	43.91	54.00	-10.09	43.33	0.58	Average	228	294
2	5460.00	55.40	74.00	-18.60	54.82	0.58	Peak	228	294
3	5470.00	55.72	68.20	-12.48	55.13	0.59	Peak	228	294
4	5850.00	56.62	68.20	-11.58	55.38	1.24	Peak	228	294
5	11440.00	42.80	54.00	-11.20	34.18	8.62	Average	100	122
6	11440.00	54.77	74.00	-19.23	46.15	8.62	Peak	100	122
7	17160.00	60.76	68.20	-7.44	54.47	6.29	Peak	178	34
8	22880.00	52.50	54.00	-1.50	45.80	6.70	Average	157	31
9	22880.00	59.10	74.00	-14.90	52.40	6.70	Peak	157	31

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).

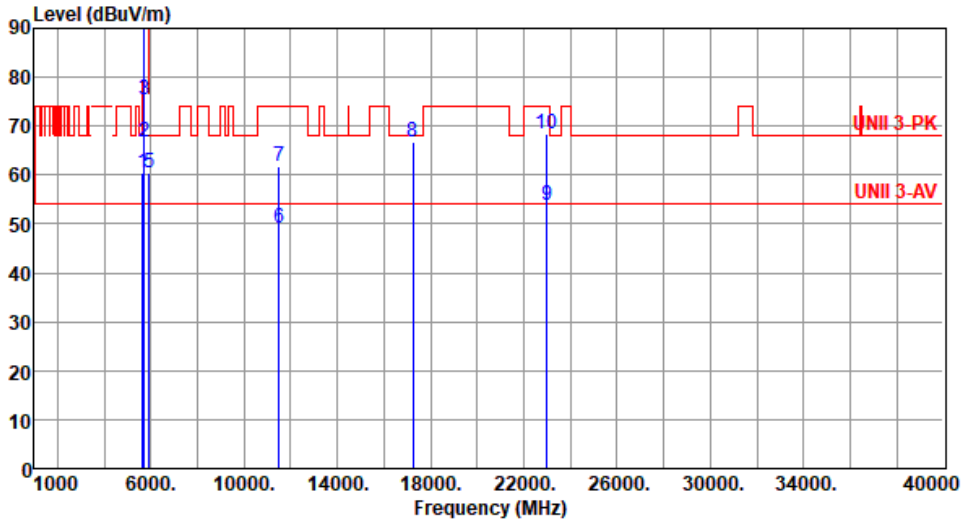


Modulation	11a	Test Freq. (MHz)	5720						
Polarization	Vertical								
Test By : Sean Yu Temperature(°C): 24 Humidity(%): 62									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5460.00	44.25	54.00	-9.75	43.67	0.58	Average	164	48
2	5460.00	55.80	74.00	-18.20	55.22	0.58	Peak	164	48
3	5470.00	56.01	68.20	-12.19	55.42	0.59	Peak	164	48
4	5850.00	56.70	68.20	-11.50	55.46	1.24	Peak	164	48
5	11440.00	42.49	54.00	-11.51	33.87	8.62	Average	100	134
6	11440.00	55.82	74.00	-18.18	47.20	8.62	Peak	100	134
7	17160.00	57.81	68.20	-10.39	51.52	6.29	Peak	100	228
8	22880.00	50.46	54.00	-3.54	43.76	6.70	Average	252	78
9	22880.00	56.78	74.00	-17.22	50.08	6.70	Peak	252	78
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)	5745
Polarization	Horizontal		

Test By :Brad Wu 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	5650.00	60.38	68.20	-7.82	59.84	0.54	Peak	207	295
2	5700.00	66.88	105.20	-38.32	66.02	0.86	Peak	207	295
3	5720.00	75.29	110.80	-35.51	74.38	0.91	Peak	207	295
4	5725.00	91.63	122.20	-30.57	90.70	0.93	Peak	207	295
5	5925.00	60.60	68.20	-7.60	59.11	1.49	Peak	207	295
6	11490.00	49.03	54.00	-4.97	40.32	8.71	Average	112	332
7	11490.00	61.67	74.00	-12.33	52.96	8.71	Peak	112	332
8	17235.00	66.70	68.20	-1.50	60.44	6.26	Peak	174	36
9	22980.00	53.89	54.00	-0.11	47.02	6.87	Average	168	35
10	22980.00	68.58	74.00	-5.42	61.71	6.87	Peak	168	35

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).



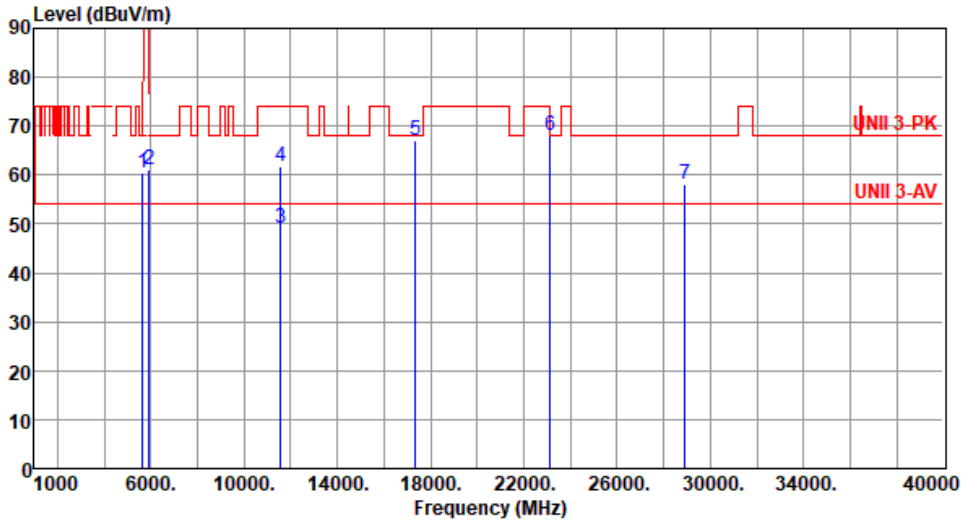
Modulation	11a	Test Freq. (MHz)	5745						
Polarization	Vertical								
Test By :Brad Wu Temperature(°C):24 Humidity(%):62									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	60.06	68.20	-8.14	59.52	0.54	Peak	168	47
2	5700.00	67.02	105.20	-38.18	66.16	0.86	Peak	168	47
3	5720.00	74.30	110.80	-36.50	73.39	0.91	Peak	168	47
4	5725.00	86.38	122.20	-35.82	85.45	0.93	Peak	168	47
5	5925.00	61.07	68.20	-7.13	59.58	1.49	Peak	168	47
6	11490.00	48.34	54.00	-5.66	39.63	8.71	Average	155	358
7	11490.00	62.12	74.00	-11.88	53.41	8.71	Peak	155	358
8	17235.00	61.92	68.20	-6.28	55.66	6.26	Peak	128	81
9	22980.00	47.81	54.00	-6.19	40.94	6.87	Average	118	62
10	22980.00	58.19	74.00	-15.81	51.32	6.87	Peak	118	62

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)	5785
Polarization	Horizontal		

Test By :Brad Wu 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	5650.00	60.35	68.20	-7.85	59.81	0.54	Peak	206	296
2	5925.00	61.24	68.20	-6.96	59.75	1.49	Peak	206	296
3	11570.00	49.15	54.00	-4.85	40.56	8.59	Average	134	329
4	11570.00	61.88	74.00	-12.12	53.29	8.59	Peak	134	329
5	17355.00	66.92	68.20	-1.28	60.34	6.58	Peak	172	36
6	23140.00	68.01	68.20	-0.19	61.02	6.99	Peak	171	36
7	28925.00	58.21	68.20	-9.99	47.80	10.41	Peak	100	123

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

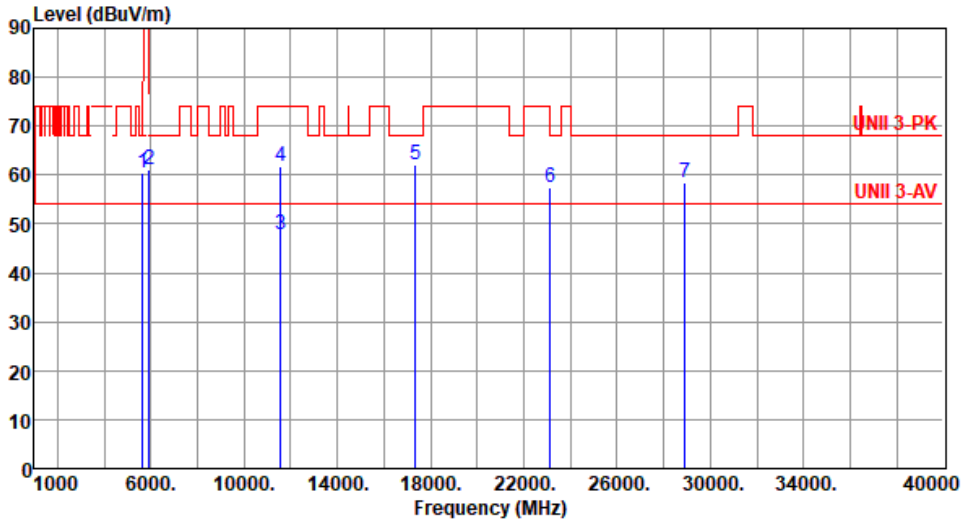
*Factor includes antenna factor , cable loss and amplifier gain

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



Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		

Test By :Brad Wu 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	5650.00	60.45	68.20	-7.75	59.91	0.54	Peak	162	51
2	5925.00	60.97	68.20	-7.23	59.48	1.49	Peak	162	51
3	11570.00	47.80	54.00	-6.20	39.21	8.59	Average	157	354
4	11570.00	61.71	74.00	-12.29	53.12	8.59	Peak	157	354
5	17355.00	62.14	68.20	-6.06	55.56	6.58	Peak	126	73
6	23140.00	57.56	68.20	-10.64	50.57	6.99	Peak	109	64
7	28925.00	58.53	68.20	-9.67	48.12	10.41	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).



Modulation	11a	Test Freq. (MHz)	5825						
Polarization	Horizontal								
Test By :Brad Wu 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	5650.00	59.36	68.20	-8.84	58.82	0.54	Peak	207	306
2	5850.00	73.22	122.20	-48.98	71.98	1.24	Peak	207	306
3	5855.00	70.11	110.80	-40.69	68.85	1.26	Peak	207	306
4	5875.00	61.85	105.20	-43.35	60.49	1.36	Peak	207	306
5	5925.00	60.40	68.20	-7.80	58.91	1.49	Peak	207	306
6	11650.00	49.57	54.00	-4.43	41.34	8.23	Average	122	328
7	11650.00	62.61	74.00	-11.39	54.38	8.23	Peak	122	328
8	17475.00	66.90	68.20	-1.30	59.81	7.09	Peak	159	34
9	23300.00	68.04	68.20	-0.16	60.95	7.09	Peak	175	38

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)	5825					
Polarization	Vertical								
Test By : Brad Wu		Temperature(°C): 24		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	59.63	68.20	-8.57	59.09	0.54	Peak	160	47
2	5850.00	74.89	122.20	-47.31	73.65	1.24	Peak	160	47
3	5855.00	69.17	110.80	-41.63	67.91	1.26	Peak	160	47
4	5875.00	62.70	105.20	-42.50	61.34	1.36	Peak	160	47
5	5925.00	61.71	68.20	-6.49	60.22	1.49	Peak	160	47
6	11650.00	47.54	54.00	-6.46	39.31	8.23	Average	158	349
7	11650.00	61.32	74.00	-12.68	53.09	8.23	Peak	158	349
8	17475.00	62.77	68.20	-5.43	55.68	7.09	Peak	126	69
9	23300.00	57.74	68.20	-10.46	50.65	7.09	Peak	100	72

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

*Factor includes antenna factor , cable loss and amplifier gain

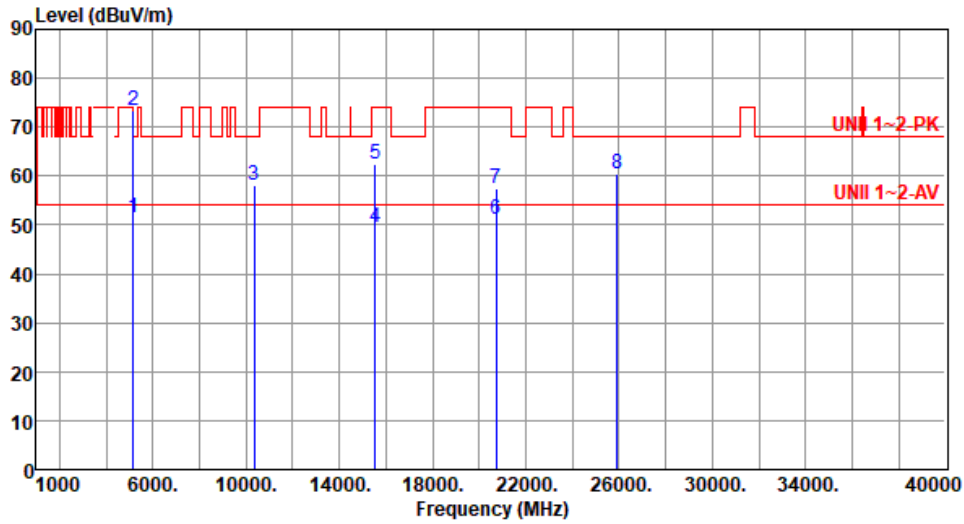
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Unwanted Emissions (Above 1GHz) for ax HE20-OFDMA

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5180
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):24 Humidity(%):63



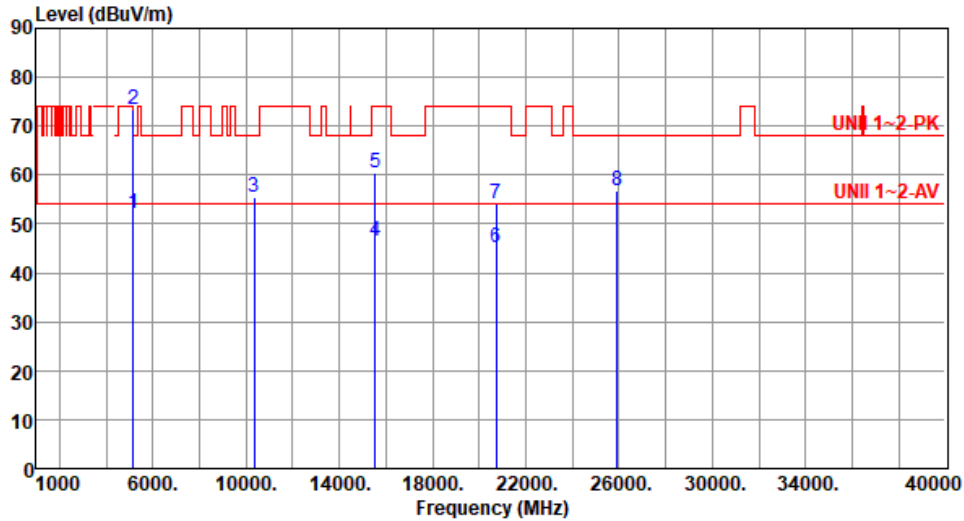
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	51.35	54.00	-2.65	50.53	0.82	Average	236	243
2	5150.00	73.51	74.00	-0.49	72.69	0.82	Peak	236	243
3	10360.00	58.02	68.20	-10.18	49.53	8.49	Peak	100	47
4	15540.00	49.60	54.00	-4.40	43.62	5.98	Average	102	44
5	15540.00	62.45	74.00	-11.55	56.47	5.98	Peak	102	44
6	20720.00	51.28	54.00	-2.72	47.94	3.34	Average	120	28
7	20720.00	57.31	74.00	-16.69	53.97	3.34	Peak	120	28
8	25900.00	60.54	68.20	-7.66	52.33	8.21	Peak	122	73

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-OFDMA	Test Freq. (MHz)	5180
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):24 Humidity(%):63



	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	52.00	54.00	-2.00	51.18	0.82	Average	208	133
2	5150.00	73.26	74.00	-0.74	72.44	0.82	Peak	208	133
3	10360.00	55.41	68.20	-12.79	46.92	8.49	Peak	100	117
4	15540.00	46.64	54.00	-7.36	40.66	5.98	Average	122	102
5	15540.00	60.45	74.00	-13.55	54.47	5.98	Peak	122	102
6	20720.00	45.31	54.00	-8.69	41.97	3.34	Average	100	73
7	20720.00	54.00	74.00	-20.00	50.66	3.34	Peak	100	73
8	25900.00	56.68	68.20	-11.52	48.47	8.21	Peak	100	23

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

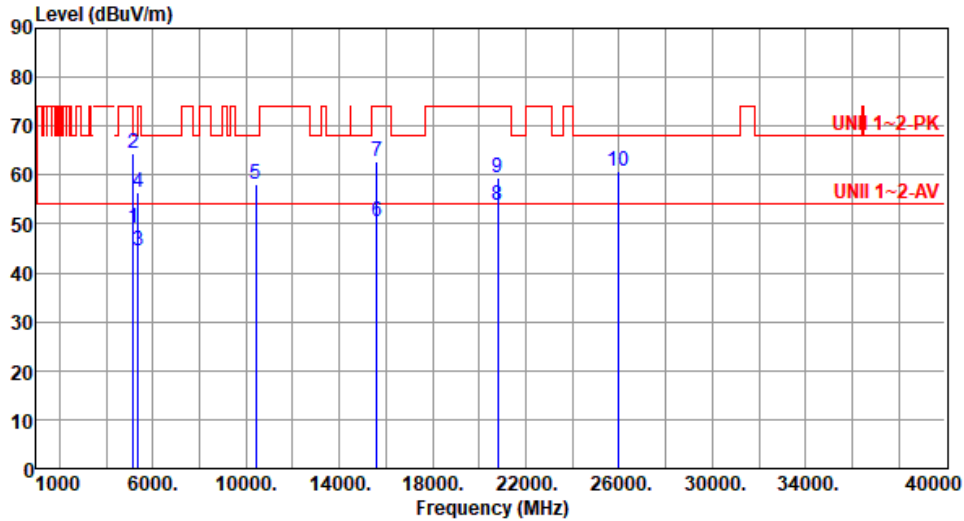
*Factor includes antenna factor , cable loss and amplifier gain

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



Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5200
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	5150.00	49.11	54.00	-4.89	48.29	0.82	Average	242	245
2	5150.00	64.47	74.00	-9.53	63.65	0.82	Peak	242	245
3	5350.00	44.51	54.00	-9.49	44.37	0.14	Average	242	245
4	5350.00	56.52	74.00	-17.48	56.38	0.14	Peak	242	245
5	10400.00	58.23	68.20	-9.97	49.59	8.64	Peak	100	45
6	15600.00	50.32	54.00	-3.68	44.57	5.75	Average	102	41
7	15600.00	62.89	74.00	-11.11	57.14	5.75	Peak	102	41
8	20800.00	53.82	54.00	-0.18	50.35	3.47	Average	123	30
9	20800.00	59.31	74.00	-14.69	55.84	3.47	Peak	123	30
10	26000.00	60.91	68.20	-7.29	52.68	8.23	Peak	125	70

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

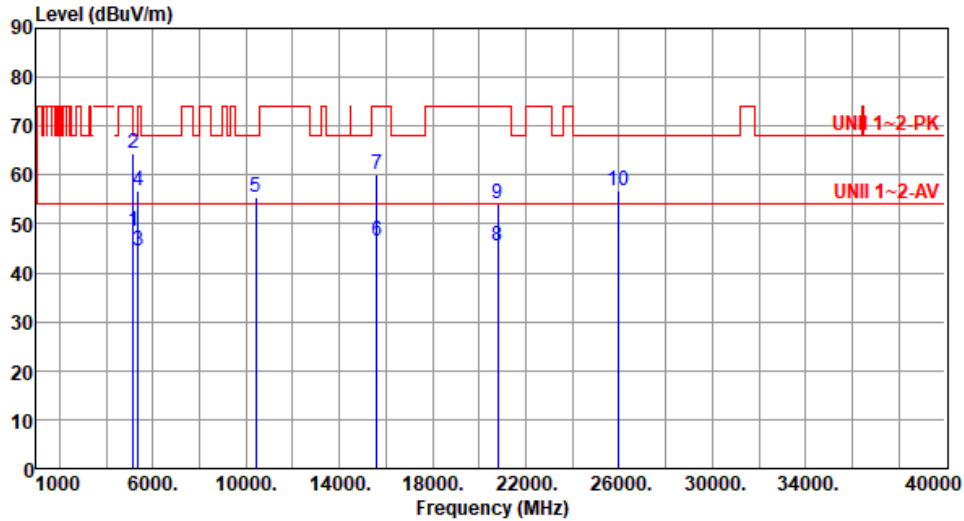
*Factor includes antenna factor , cable loss and amplifier gain

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



Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5200
Polarization	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	5150.00	48.32	54.00	-5.68	47.50	0.82	Average	240	137
2	5150.00	64.27	74.00	-9.73	63.45	0.82	Peak	240	137
3	5350.00	44.36	54.00	-9.64	44.22	0.14	Average	240	137
4	5350.00	56.73	74.00	-17.27	56.59	0.14	Peak	240	137
5	10400.00	55.53	68.20	-12.67	46.89	8.64	Peak	100	116
6	15600.00	46.56	54.00	-7.44	40.81	5.75	Average	123	97
7	15600.00	60.06	74.00	-13.94	54.31	5.75	Peak	123	97
8	20800.00	45.45	54.00	-8.55	41.98	3.47	Average	100	74
9	20800.00	54.25	74.00	-19.75	50.78	3.47	Peak	100	74
10	26000.00	56.89	68.20	-11.31	48.66	8.23	Peak	100	22

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

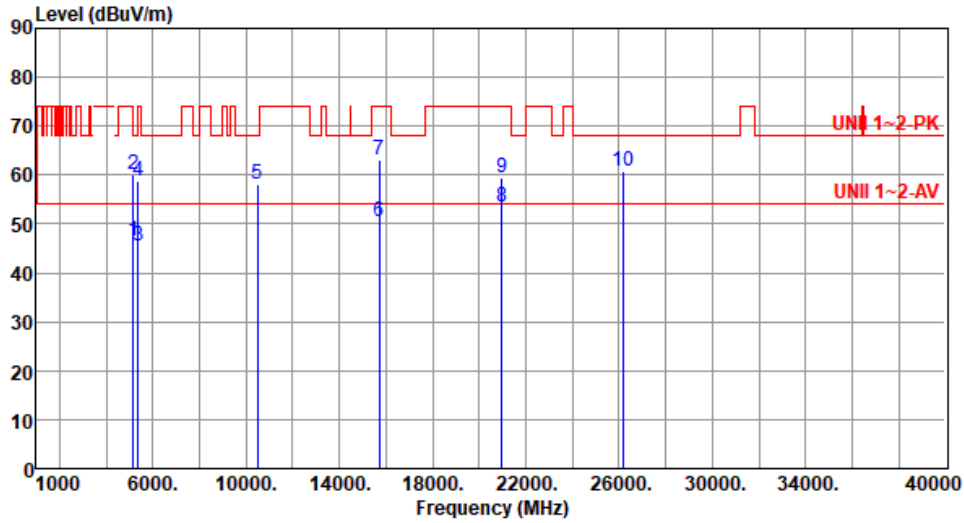
*Factor includes antenna factor , cable loss and amplifier gain

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



Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5240
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):24 Humidity(%):63



	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	46.53	54.00	-7.47	45.71	0.82	Average	235	245
2	5150.00	60.16	74.00	-13.84	59.34	0.82	Peak	235	245
3	5350.00	45.62	54.00	-8.38	45.48	0.14	Average	235	245
4	5350.00	58.81	74.00	-15.19	58.67	0.14	Peak	235	245
5	10480.00	58.22	68.20	-9.98	49.53	8.69	Peak	100	51
6	15720.00	50.33	54.00	-3.67	44.61	5.72	Average	100	42
7	15720.00	63.01	74.00	-10.99	57.29	5.72	Peak	100	42
8	20960.00	53.38	54.00	-0.62	49.57	3.81	Average	125	27
9	20960.00	59.59	74.00	-14.41	55.78	3.81	Peak	125	27
10	26200.00	60.76	68.20	-7.44	52.33	8.43	Peak	119	70

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-OFDMA	Test Freq. (MHz)	5240						
Polarization	Vertical								
Test By :Brad Wu Temperature(°C):24 Humidity(%):63									
	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	46.47	54.00	-7.53	45.65	0.82	Average	236	132
2	5150.00	59.06	74.00	-14.94	58.24	0.82	Peak	236	132
3	5350.00	45.40	54.00	-8.60	45.26	0.14	Average	236	132
4	5350.00	58.53	74.00	-15.47	58.39	0.14	Peak	236	132
5	10480.00	55.42	68.20	-12.78	46.73	8.69	Peak	100	124
6	15720.00	46.39	54.00	-7.61	40.67	5.72	Average	233	89
7	15720.00	59.99	74.00	-14.01	54.27	5.72	Peak	233	89
8	20960.00	45.67	54.00	-8.33	41.86	3.81	Average	100	73
9	20960.00	54.47	74.00	-19.53	50.66	3.81	Peak	100	73
10	26200.00	57.16	68.20	-11.04	48.73	8.43	Peak	100	12

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).

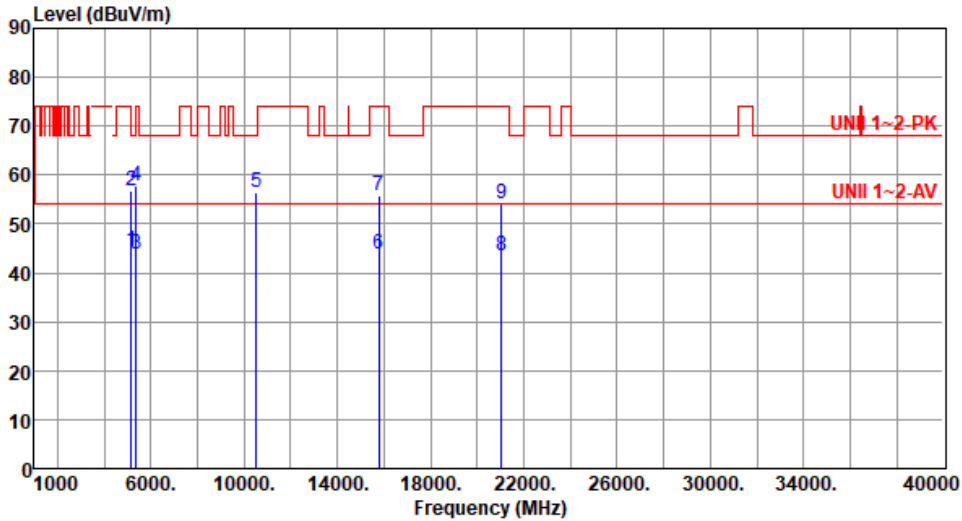


Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5260						
Polarization	Horizontal								
Test By :Brad Wu		Temperature(°C):24		Humidity(%):63					
<p>The spectrum plot displays Level (dBuV/m) on the y-axis (0 to 90) and Frequency (MHz) on the x-axis (1000 to 40000). A red line represents the emission level, showing several peaks. A horizontal red line at approximately 54 dBuV/m is labeled 'UNII 1-2-AV'. A horizontal red line at approximately 74 dBuV/m is labeled 'UNII 1-2-PK'. Blue vertical lines indicate specific measurement points labeled 2, 5, 6, 7, 8, and 9.</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	45.16	54.00	-8.84	44.34	0.82	Average	232	244
2	5150.00	58.49	74.00	-15.51	57.67	0.82	Peak	232	244
3	5350.00	44.33	54.00	-9.67	44.19	0.14	Average	232	244
4	5350.00	57.73	74.00	-16.27	57.59	0.14	Peak	232	244
5	10520.00	55.95	68.20	-12.25	47.23	8.72	Peak	100	123
6	15780.00	44.31	54.00	-9.69	38.64	5.67	Average	100	223
7	15780.00	56.33	74.00	-17.67	50.66	5.67	Peak	100	223
8	21040.00	52.24	54.00	-1.76	48.30	3.94	Average	132	26
9	21040.00	58.54	74.00	-15.46	54.60	3.94	Peak	132	26
<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>									



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

Test By :Brad Wu Temperature(°C):24 Humidity(%):63



	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	44.39	54.00	-9.61	43.57	0.82	Average	206	135
2	5150.00	56.84	74.00	-17.16	56.02	0.82	Peak	206	135
3	5350.00	43.95	54.00	-10.05	43.81	0.14	Average	206	135
4	5350.00	57.62	74.00	-16.38	57.48	0.14	Peak	206	135
5	10520.00	56.36	68.20	-11.84	47.64	8.72	Peak	100	131
6	15780.00	43.89	54.00	-10.11	38.22	5.67	Average	100	25
7	15780.00	55.86	74.00	-18.14	50.19	5.67	Peak	100	25
8	21040.00	43.42	54.00	-10.58	39.48	3.94	Average	100	77
9	21040.00	54.17	74.00	-19.83	50.23	3.94	Peak	100	77

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

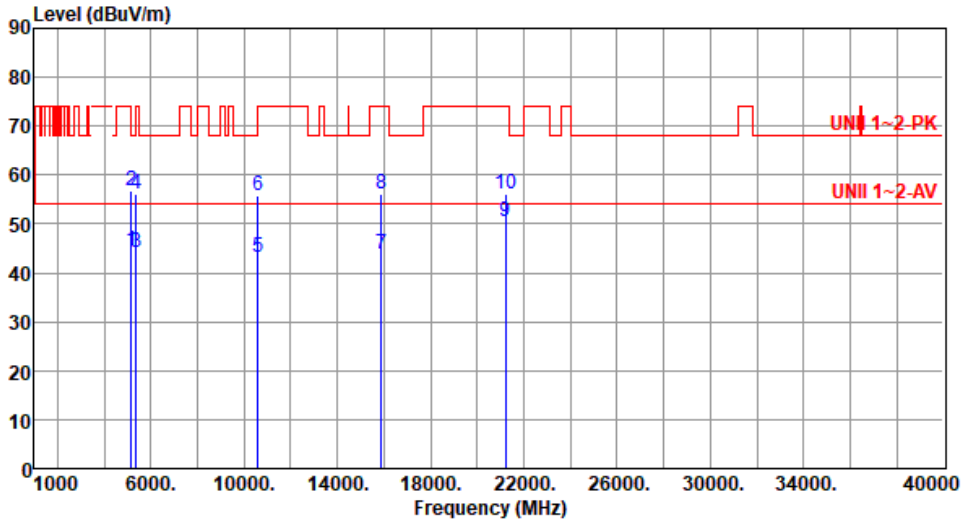
*Factor includes antenna factor , cable loss and amplifier gain

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



Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5300
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	5150.00	44.64	54.00	-9.36	43.82	0.82	Average	222	245
2	5150.00	56.70	74.00	-17.30	55.88	0.82	Peak	222	245
3	5350.00	44.17	54.00	-9.83	44.03	0.14	Average	222	245
4	5350.00	56.26	74.00	-17.74	56.12	0.14	Peak	222	245
5	10600.00	43.08	54.00	-10.92	34.28	8.80	Average	100	125
6	10600.00	55.93	74.00	-18.07	47.13	8.80	Peak	100	125
7	15900.00	43.86	54.00	-10.14	38.22	5.64	Average	100	251
8	15900.00	56.07	74.00	-17.93	50.43	5.64	Peak	100	251
9	21200.00	50.63	54.00	-3.37	46.54	4.09	Average	129	29
10	21200.00	56.22	74.00	-17.78	52.13	4.09	Peak	129	29

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

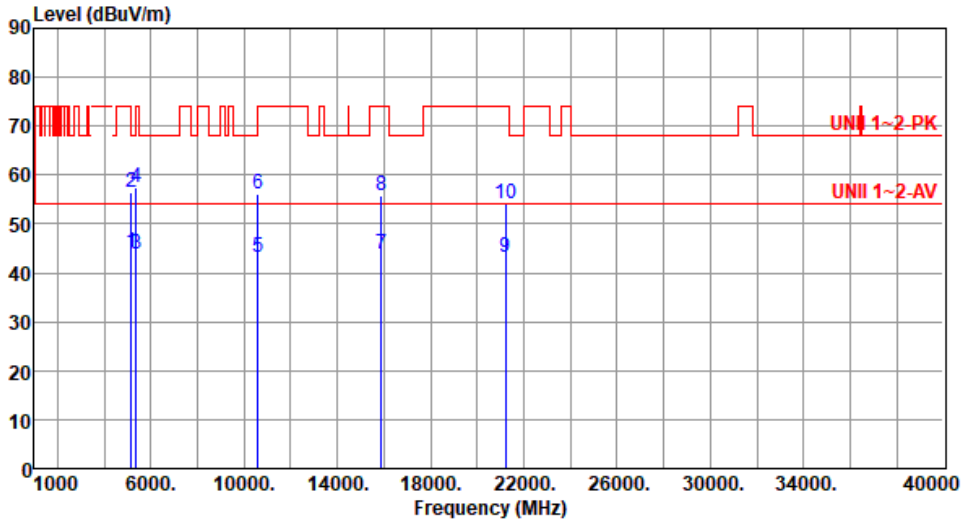
*Factor includes antenna factor , cable loss and amplifier gain

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



Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5300
Polarization	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	5150.00	44.28	54.00	-9.72	43.46	0.82	Average	205	134
2	5150.00	56.61	74.00	-17.39	55.79	0.82	Peak	205	134
3	5350.00	43.84	54.00	-10.16	43.70	0.14	Average	205	134
4	5350.00	57.45	74.00	-16.55	57.31	0.14	Peak	205	134
5	10600.00	43.32	54.00	-10.68	34.52	8.80	Average	100	121
6	10600.00	56.13	74.00	-17.87	47.33	8.80	Peak	100	121
7	15900.00	43.75	54.00	-10.25	38.11	5.64	Average	100	33
8	15900.00	55.93	74.00	-18.07	50.29	5.64	Peak	100	33
9	21200.00	43.32	54.00	-10.68	39.23	4.09	Average	100	76
10	21200.00	54.24	74.00	-19.76	50.15	4.09	Peak	100	76

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

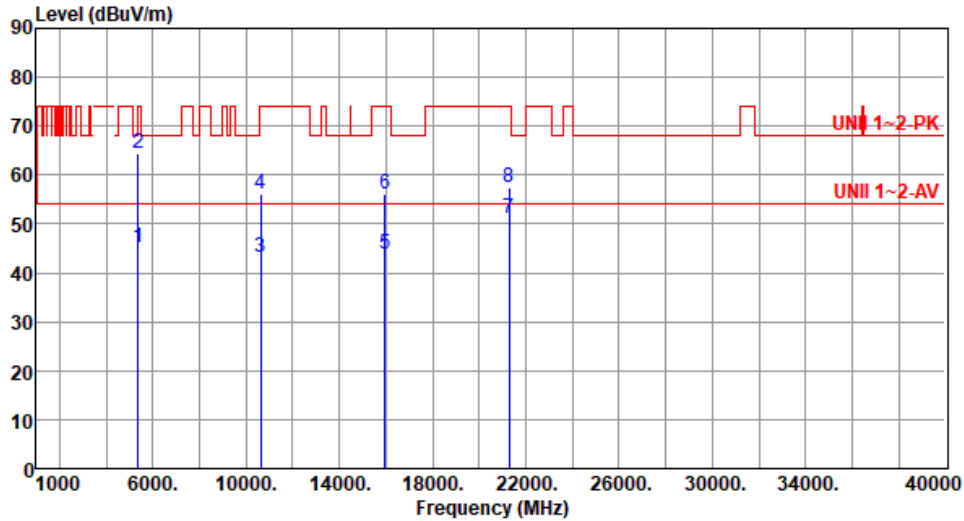
*Factor includes antenna factor , cable loss and amplifier gain

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



Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5320
Polarization	Horizontal		

Test By :Brad Wu Temperature(°C):24 Humidity(%):63



	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	45.07	54.00	-8.93	44.93	0.14	Average	226	244
2	5350.00	64.52	74.00	-9.48	64.38	0.14	Peak	226	244
3	10640.00	43.24	54.00	-10.76	34.44	8.80	Average	100	113
4	10640.00	56.06	74.00	-17.94	47.26	8.80	Peak	100	113
5	15960.00	43.83	54.00	-10.17	38.18	5.65	Average	100	253
6	15960.00	56.29	74.00	-17.71	50.64	5.65	Peak	100	253
7	21280.00	51.13	54.00	-2.87	46.95	4.18	Average	127	23
8	21280.00	57.47	74.00	-16.53	53.29	4.18	Peak	127	23

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

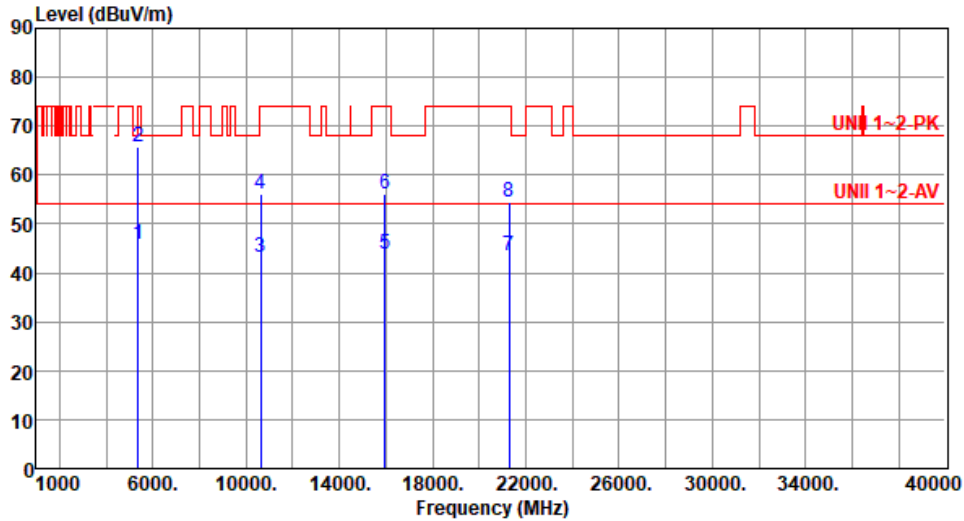
*Factor includes antenna factor , cable loss and amplifier gain

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



Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5320
Polarization	Vertical		

Test By :Brad Wu Temperature(°C):24 Humidity(%):63



	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	45.82	54.00	-8.18	45.68	0.14	Average	212	129
2	5350.00	65.65	74.00	-8.35	65.51	0.14	Peak	212	129
3	10640.00	43.31	54.00	-10.69	34.51	8.80	Average	100	123
4	10640.00	56.17	74.00	-17.83	47.37	8.80	Peak	100	123
5	15960.00	43.77	54.00	-10.23	38.12	5.65	Average	100	16
6	15960.00	56.02	74.00	-17.98	50.37	5.65	Peak	100	16
7	21280.00	43.54	54.00	-10.46	39.36	4.18	Average	100	75
8	21280.00	54.32	74.00	-19.68	50.14	4.18	Peak	100	75

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).