



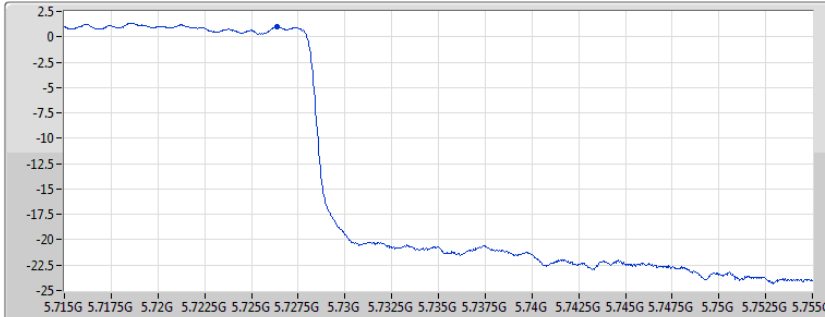
802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5690MHz Straddle 5.725-5.85GHz

12/11/2019

CF
5.735GHz
Span
40MHz
RBW
500kHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.99	0.99	0.99

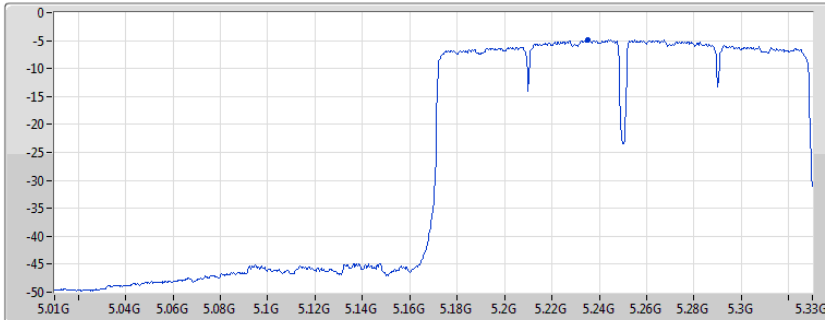
802.11ac VHT160_Nss1,(MCS0)_1TX

PSD

5250MHz Straddle 5.15-5.25GHz

04/12/2019

CF
5.17GHz
Span
320MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.97	-4.97	-4.97

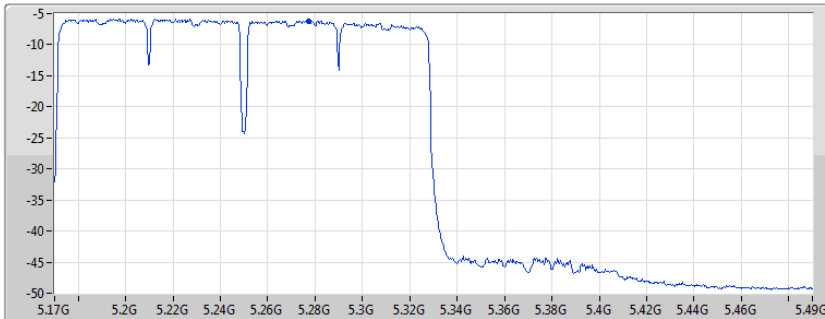
802.11ac VHT160_Nss1,(MCS0)_1TX

PSD

5250MHz Straddle 5.25-5.35GHz

12/11/2019

CF
5.33GHz
Span
320MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.15	-6.15	-6.15



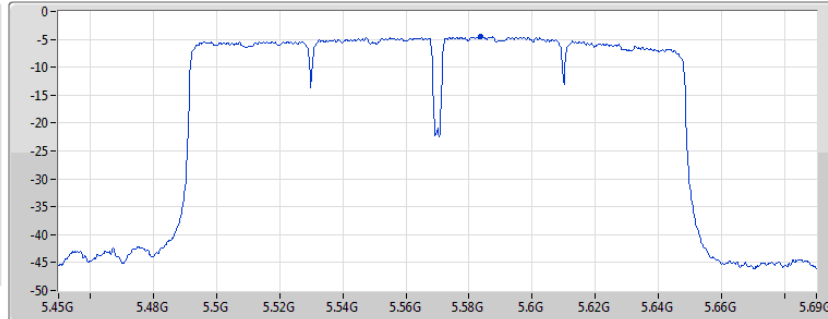
802.11ac VHT160_Nss1,(MCS0)_1TX

PSD

5570MHz

12/11/2019

CF
5.57GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.47	-4.47	-4.47

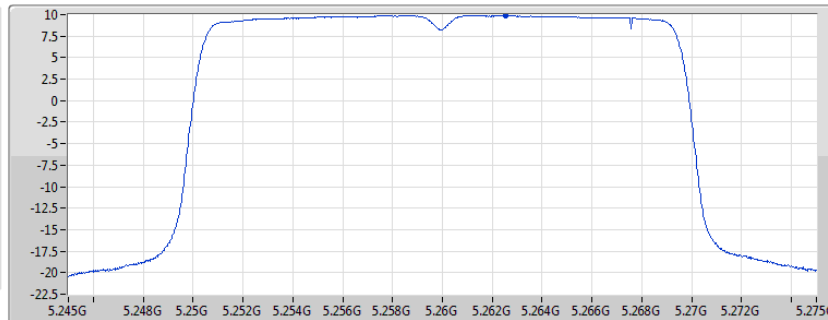
802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5260MHz

12/11/2019

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.89	9.89	9.89

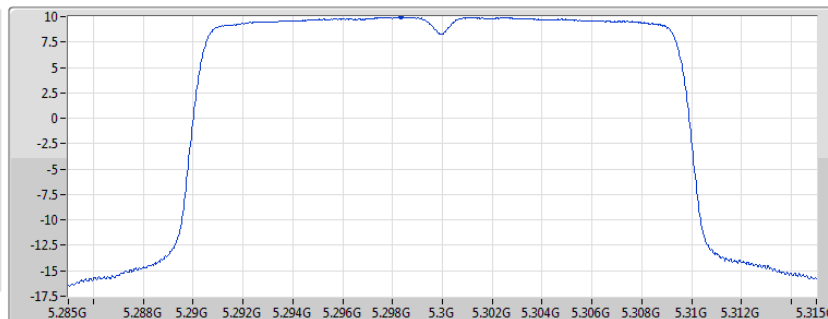
802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5300MHz

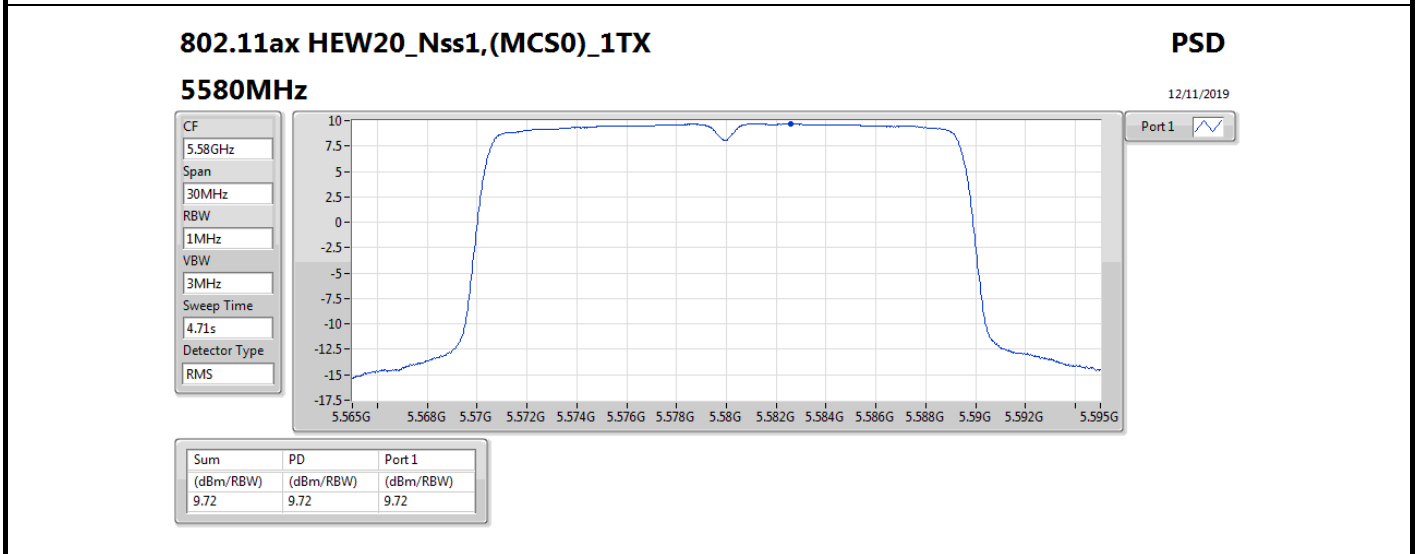
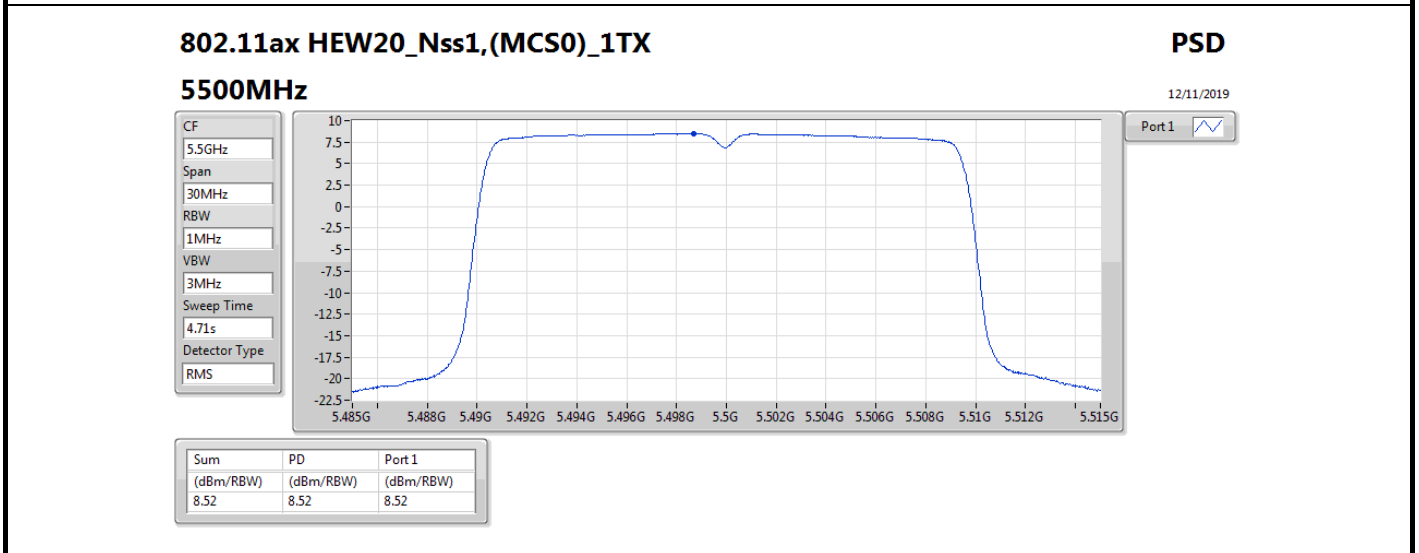
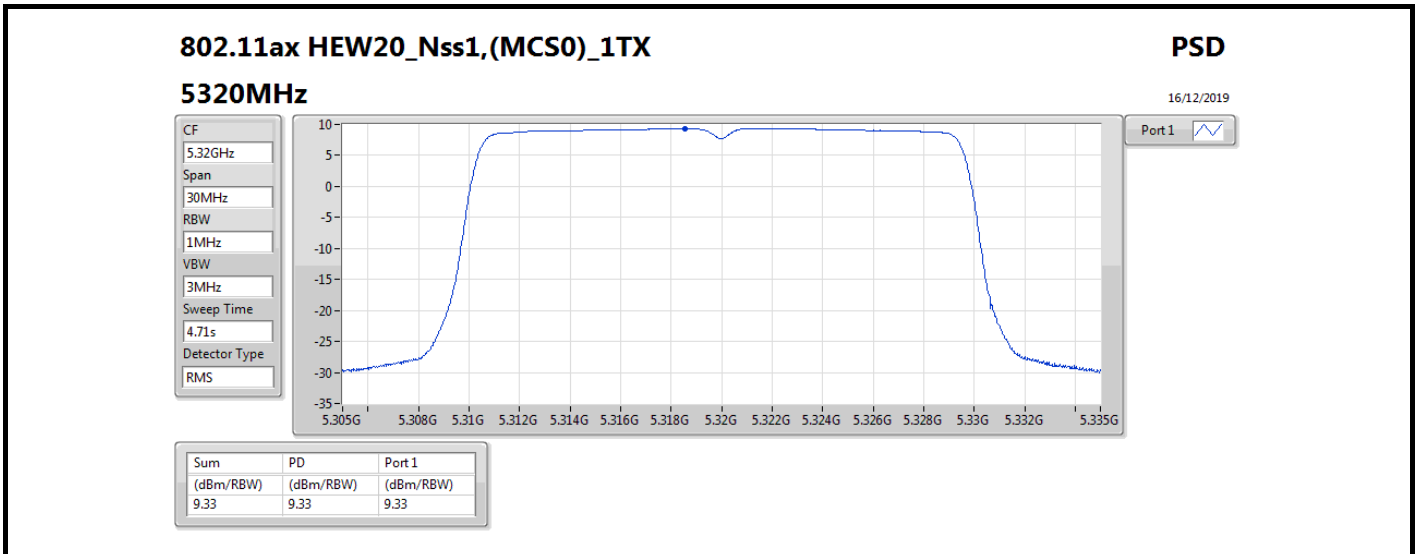
12/11/2019

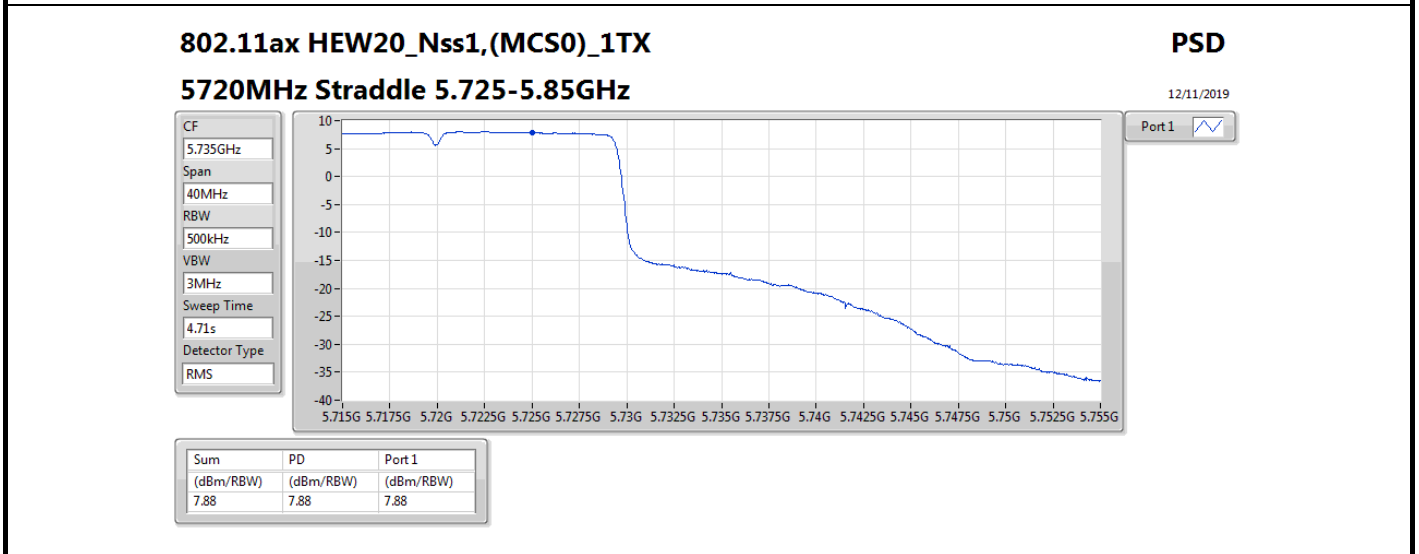
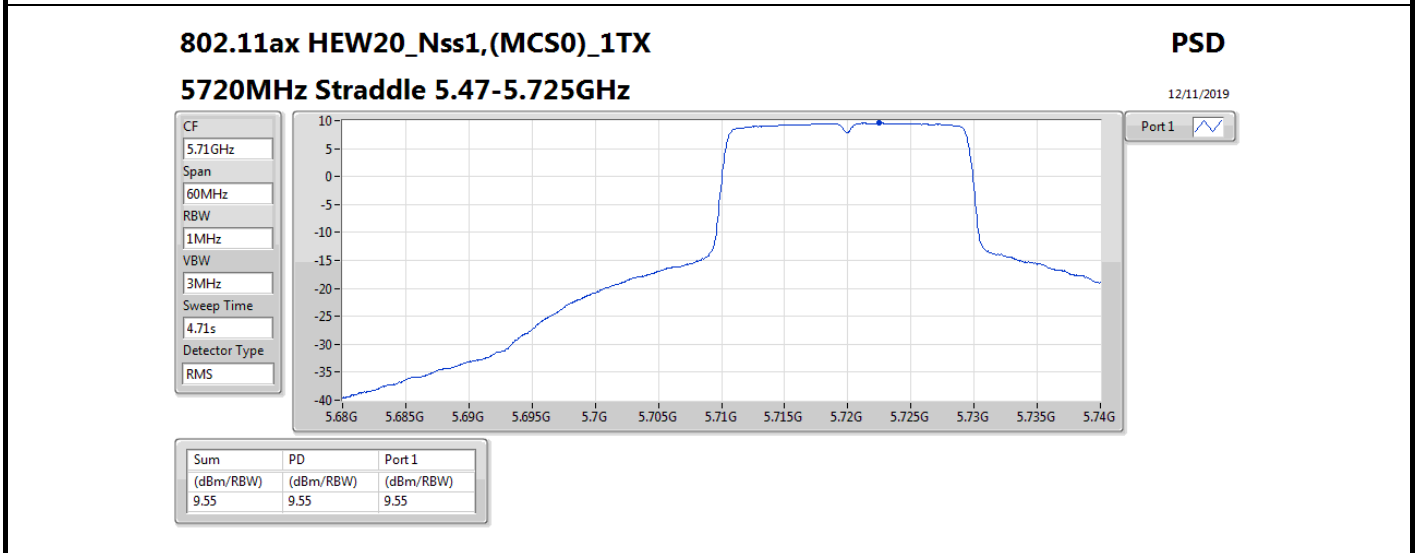
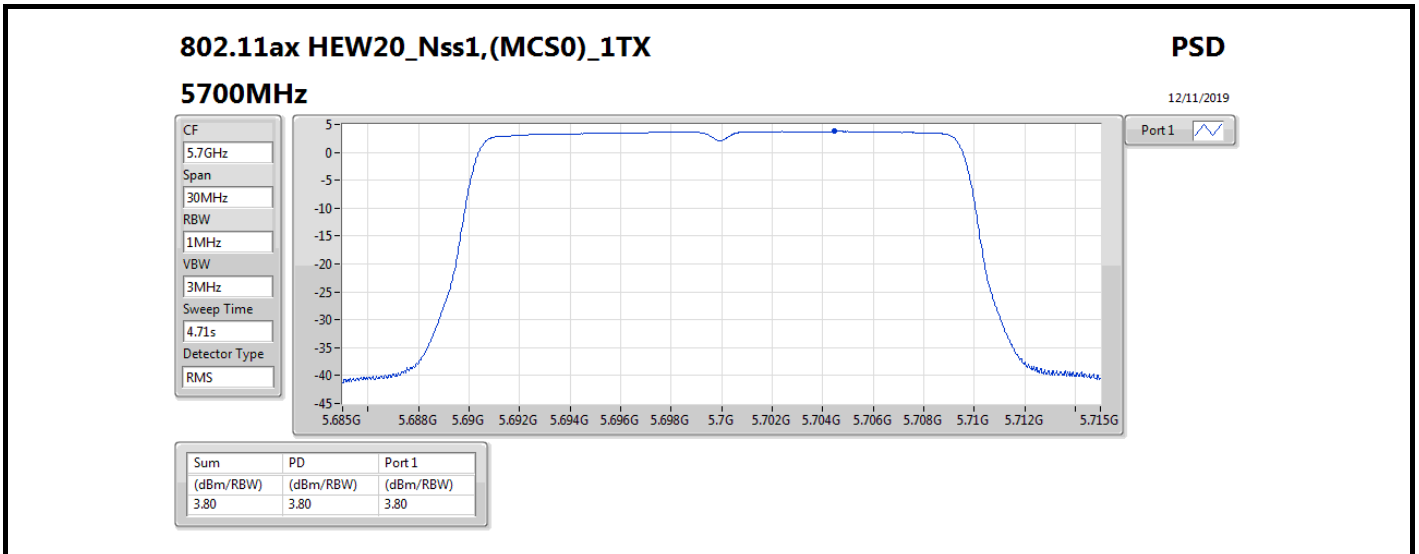
CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS

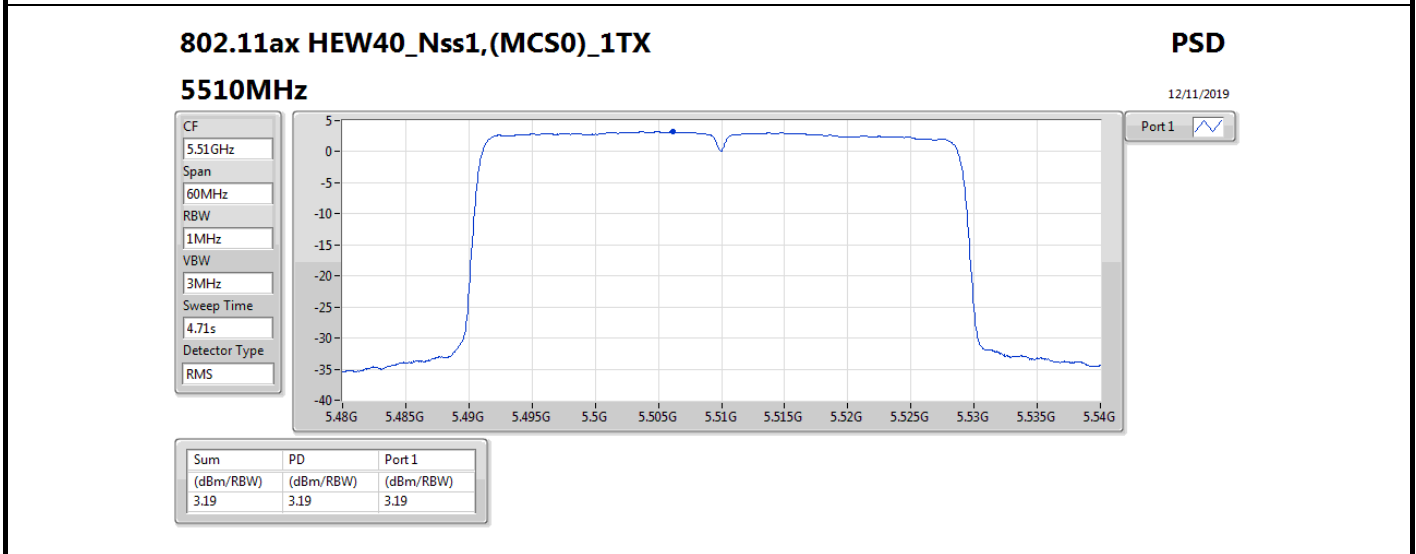
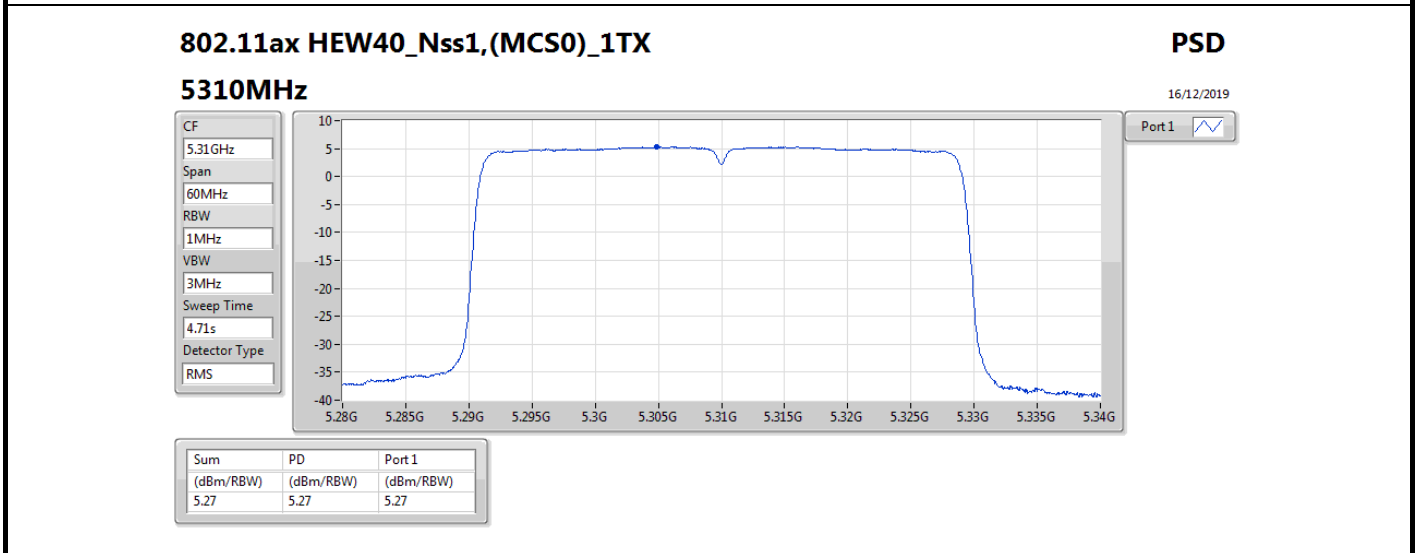
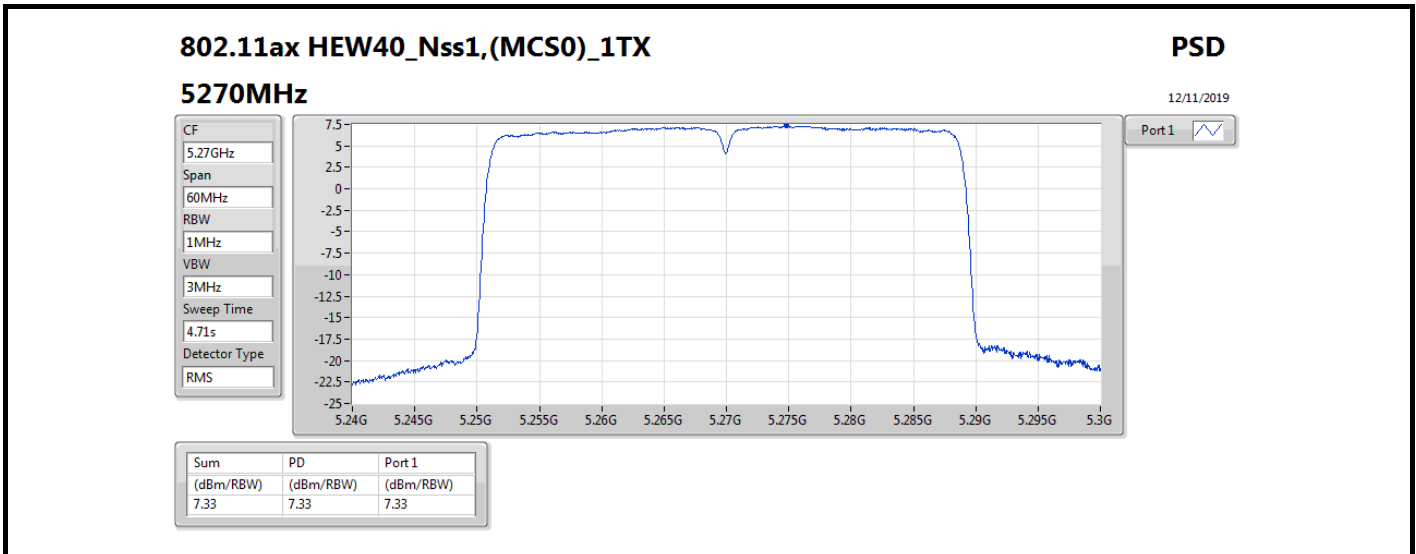


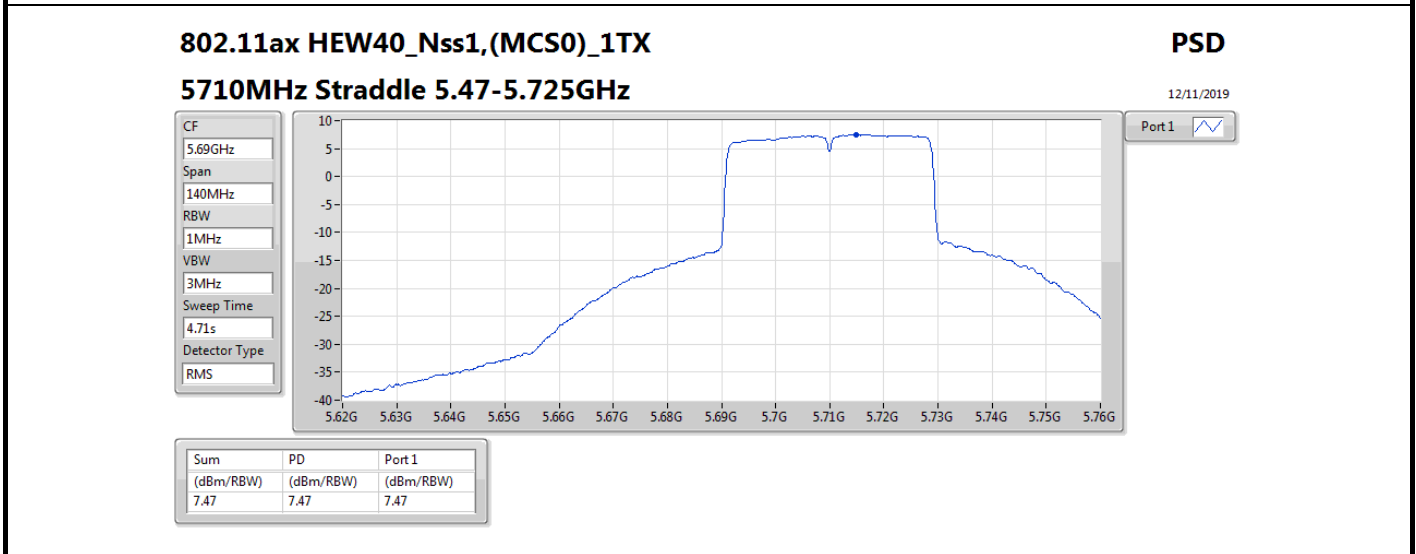
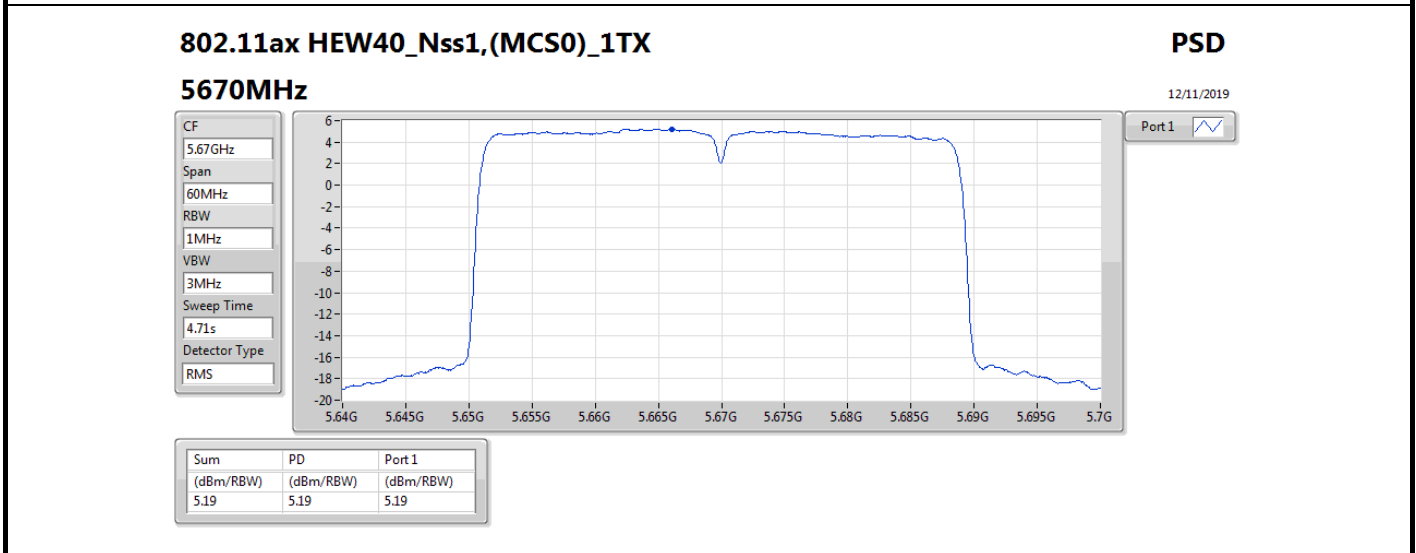
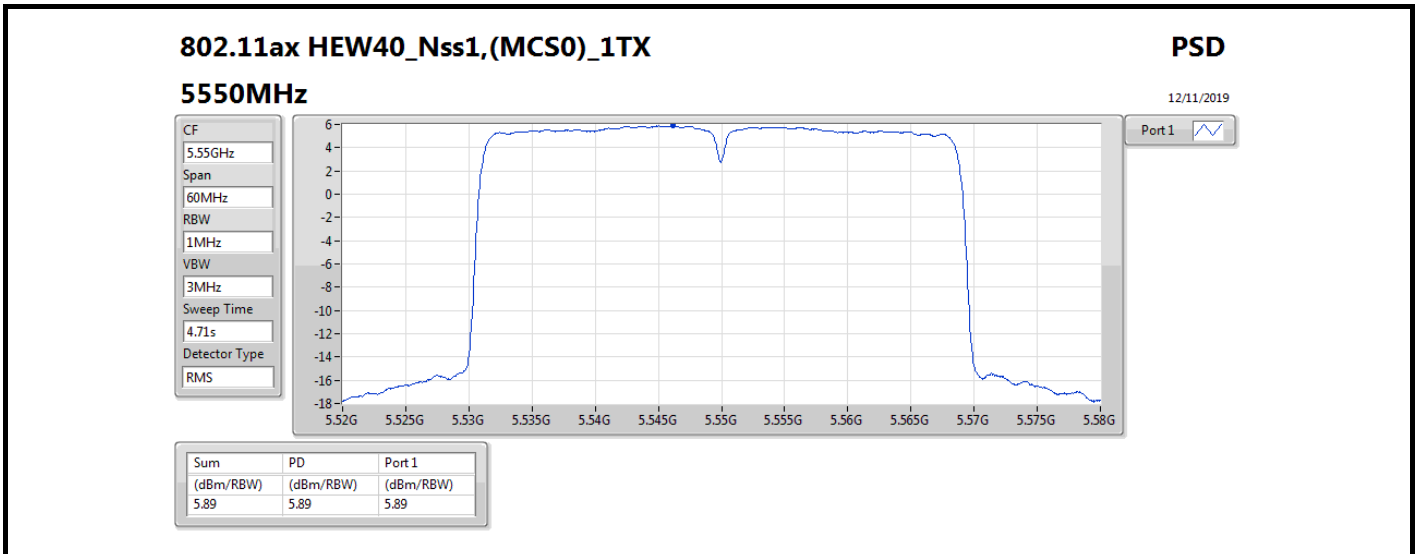
Port 1

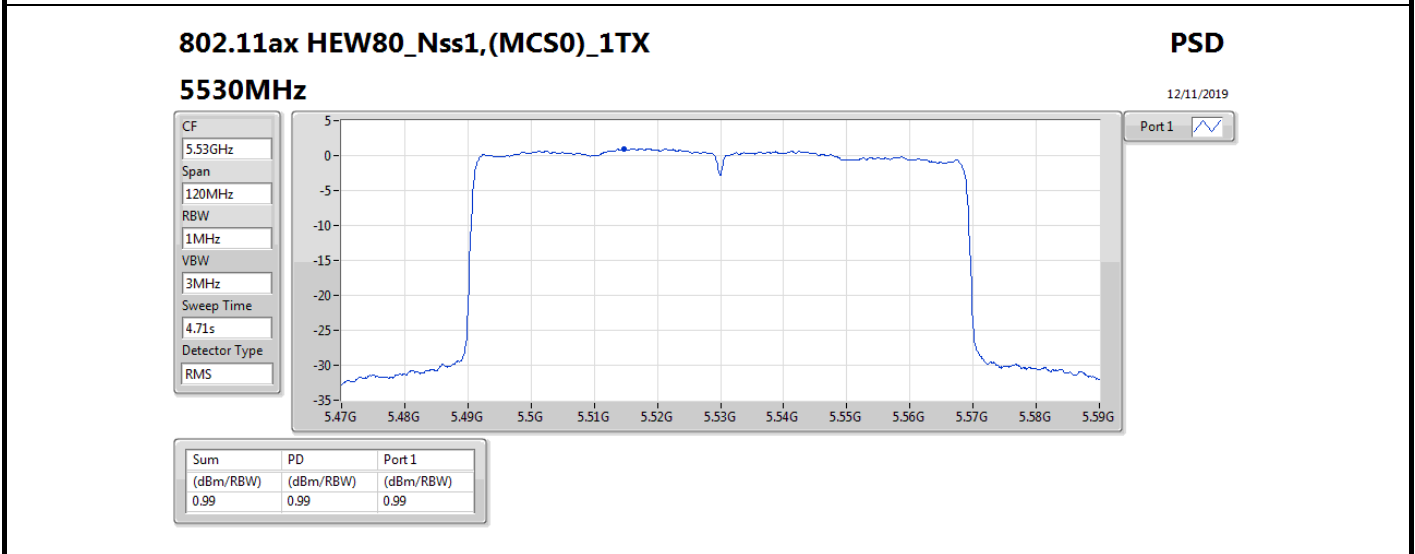
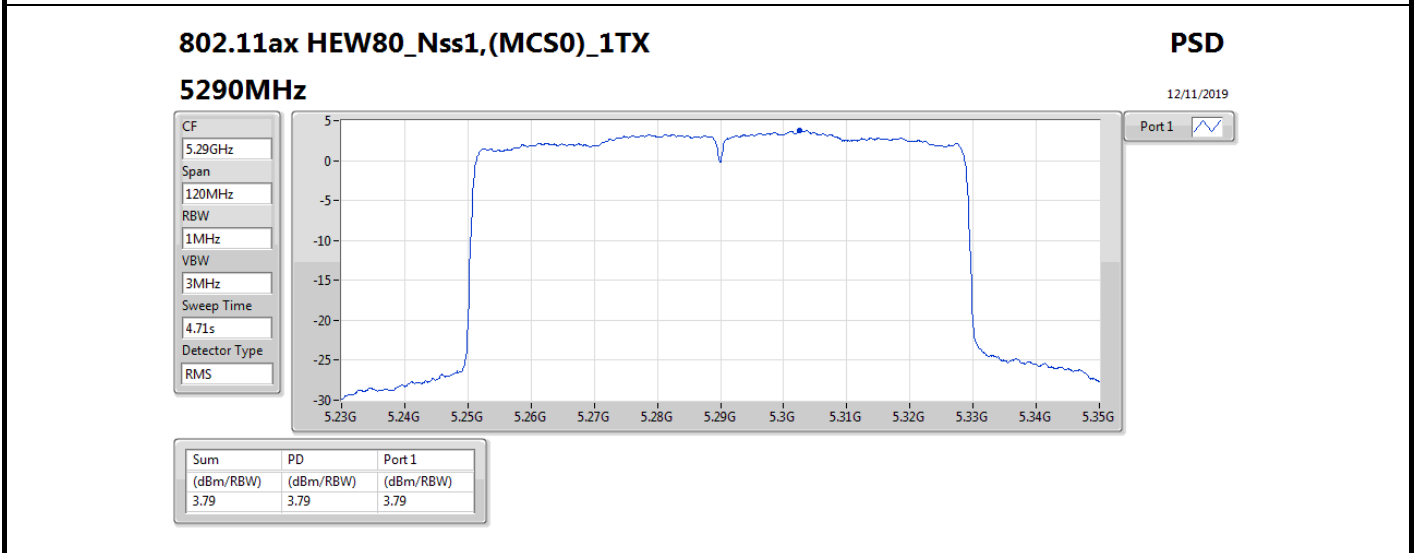
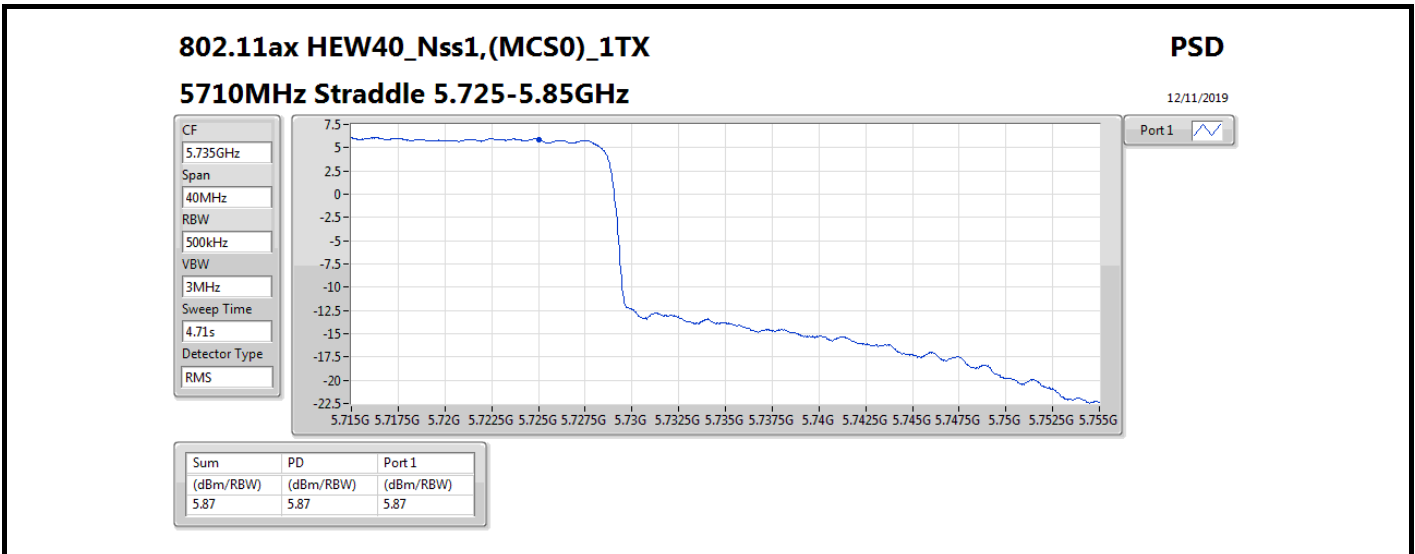
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.95	9.95	9.95

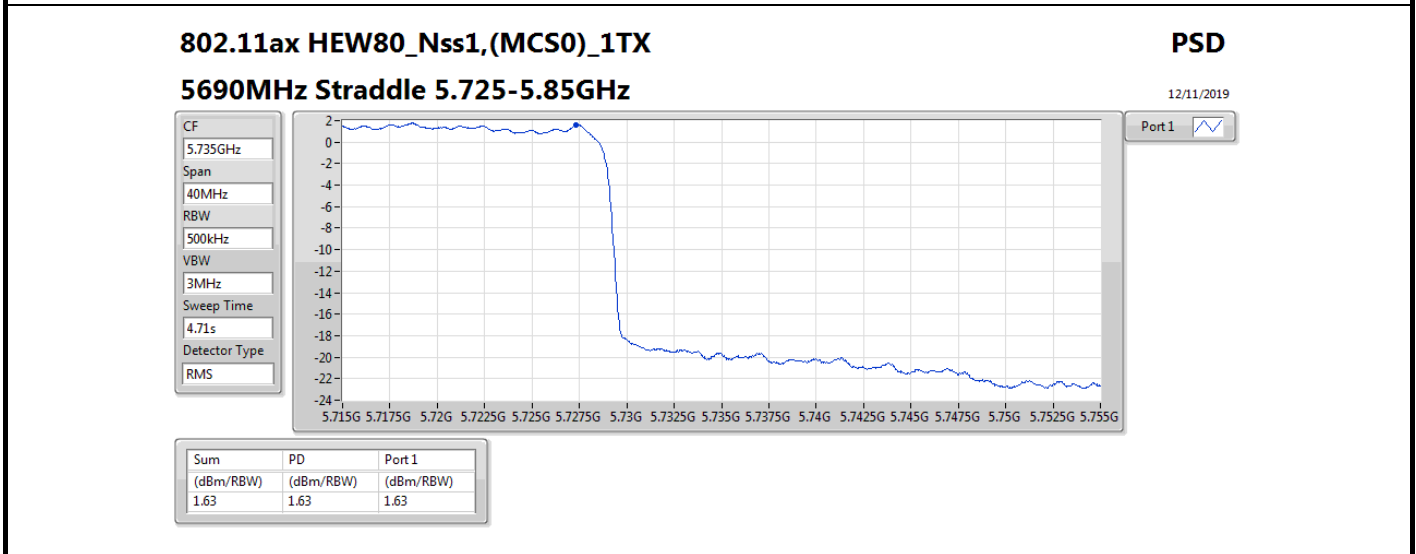
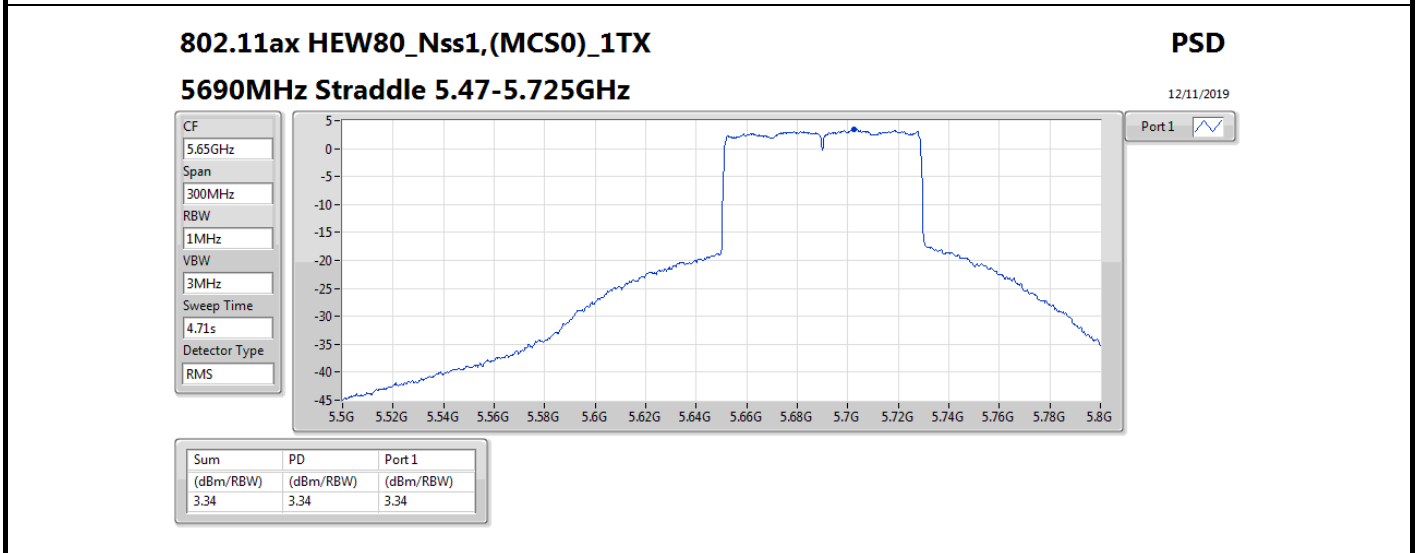
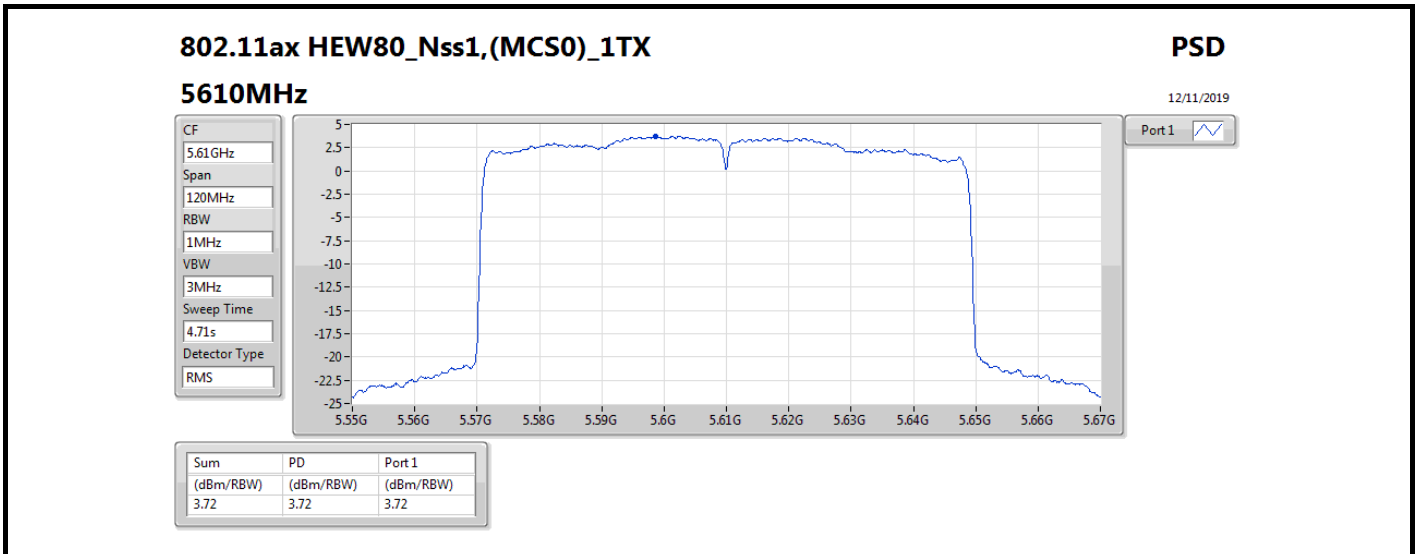


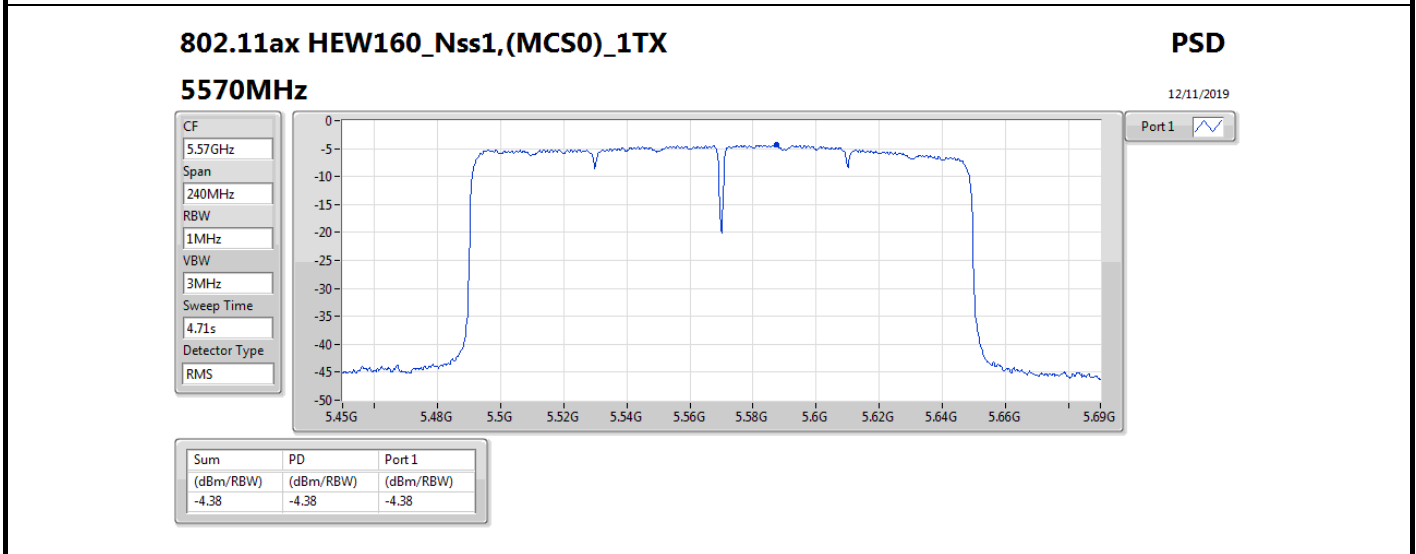
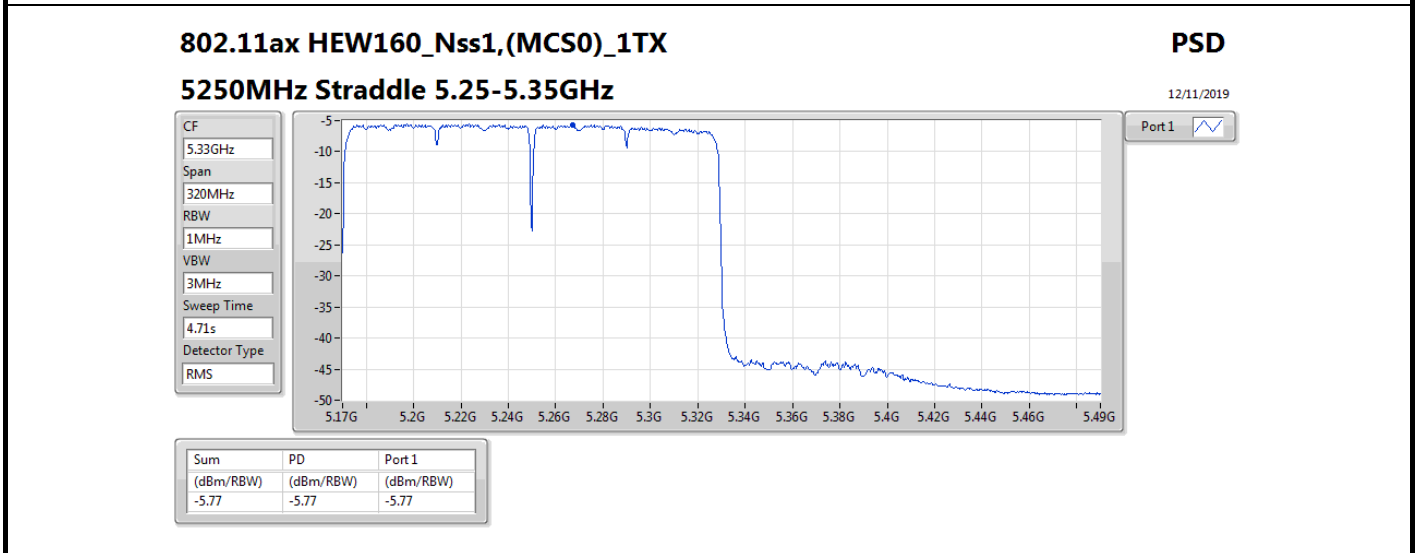
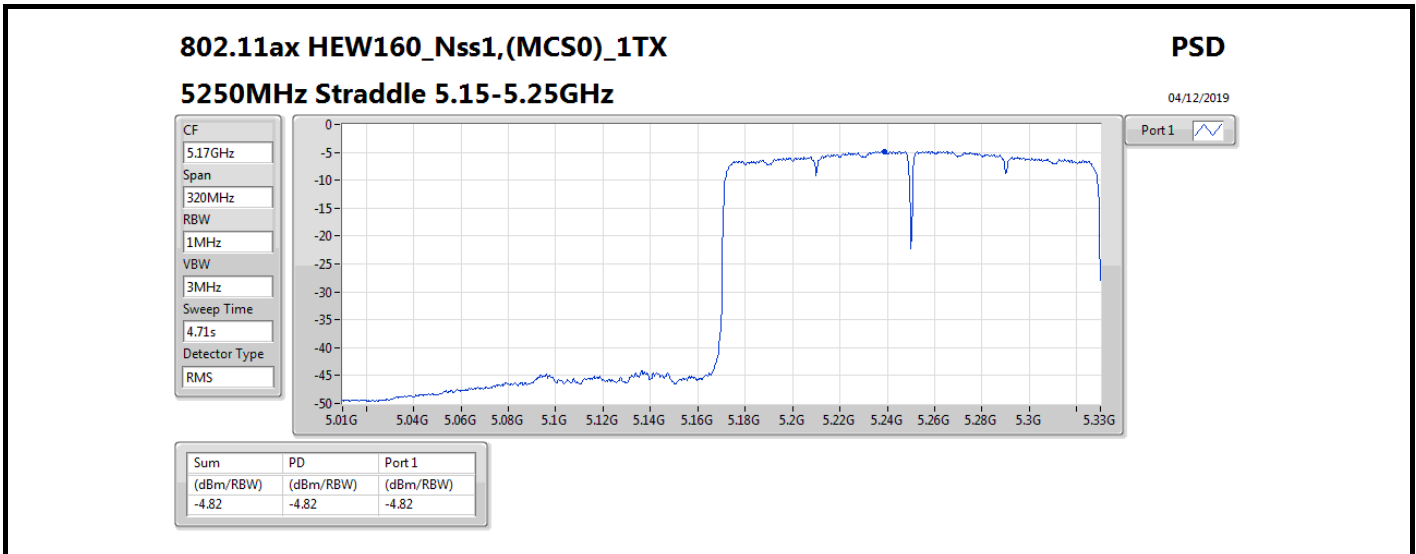














Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT160_Nss2,(MCS0)_2TX	-3.10	2.48
802.11ax HEW160_Nss2,(MCS0)_2TX	-2.77	2.81
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.34	16.93
802.11ac VHT20_Nss2,(MCS0)_2TX	10.65	16.23
802.11ac VHT40_Nss2,(MCS0)_2TX	7.85	13.43
802.11ac VHT80_Nss2,(MCS0)_2TX	4.37	9.95
802.11ac VHT160_Nss2,(MCS0)_2TX	-2.78	2.80
802.11ax HEW20_Nss2,(MCS0)_2TX	10.46	16.04
802.11ax HEW40_Nss2,(MCS0)_2TX	7.72	13.30
802.11ax HEW80_Nss2,(MCS0)_2TX	4.42	10.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-2.50	3.08
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.40	16.99
802.11ac VHT20_Nss2,(MCS0)_2TX	10.74	16.32
802.11ac VHT40_Nss2,(MCS0)_2TX	8.13	13.71
802.11ac VHT80_Nss2,(MCS0)_2TX	5.26	10.84
802.11ac VHT160_Nss2,(MCS0)_2TX	0.51	6.09
802.11ax HEW20_Nss2,(MCS0)_2TX	10.66	16.24
802.11ax HEW40_Nss2,(MCS0)_2TX	8.04	13.62
802.11ax HEW80_Nss2,(MCS0)_2TX	5.17	10.75
802.11ax HEW160_Nss2,(MCS0)_2TX	0.61	6.19
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	6.41	15.00
802.11ac VHT20_Nss2,(MCS0)_2TX	8.81	14.39
802.11ac VHT40_Nss2,(MCS0)_2TX	5.89	11.47
802.11ac VHT80_Nss2,(MCS0)_2TX	2.34	7.92
802.11ax HEW20_Nss2,(MCS0)_2TX	8.67	14.25
802.11ax HEW40_Nss2,(MCS0)_2TX	6.00	11.58
802.11ax HEW80_Nss2,(MCS0)_2TX	2.28	7.86

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



Result

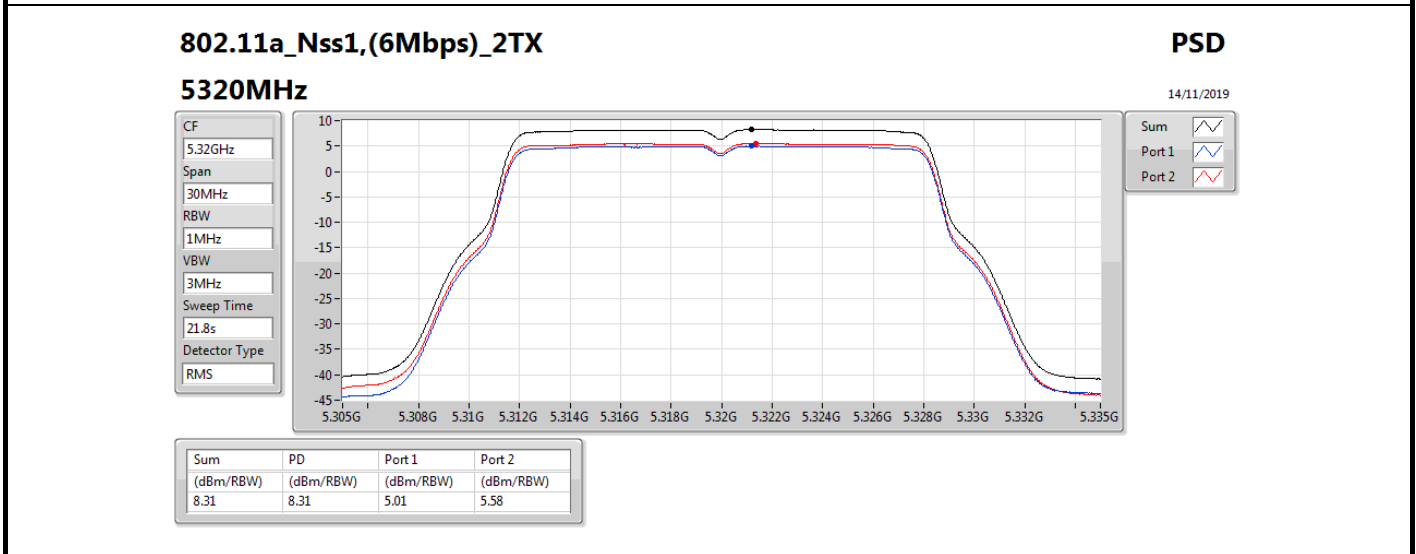
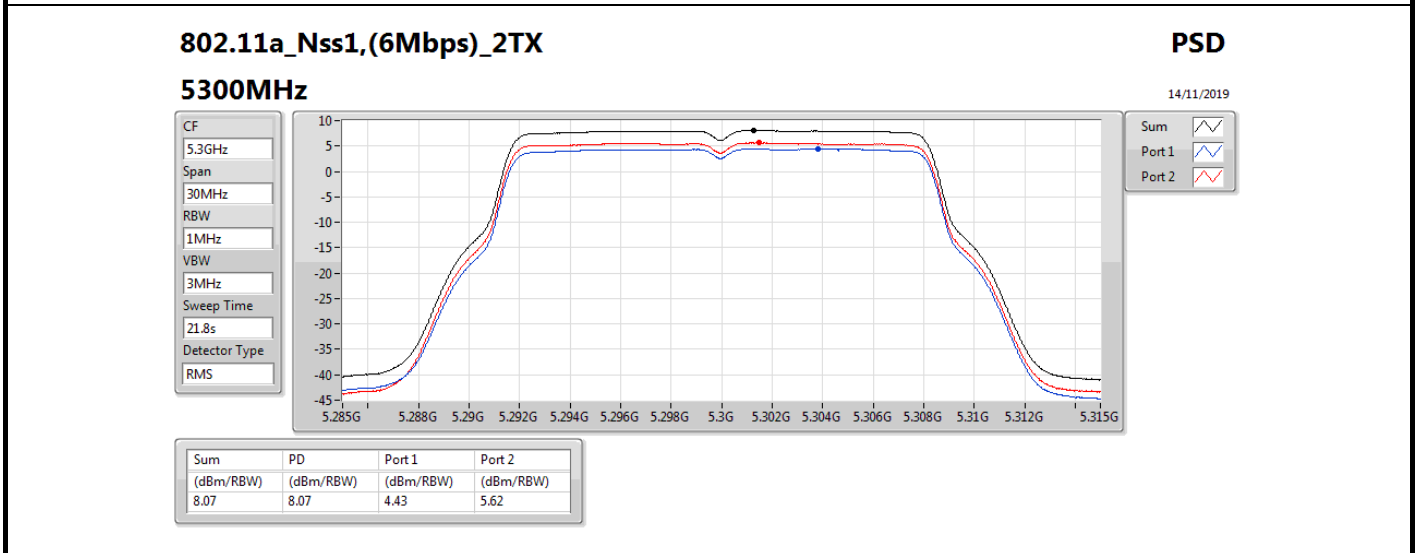
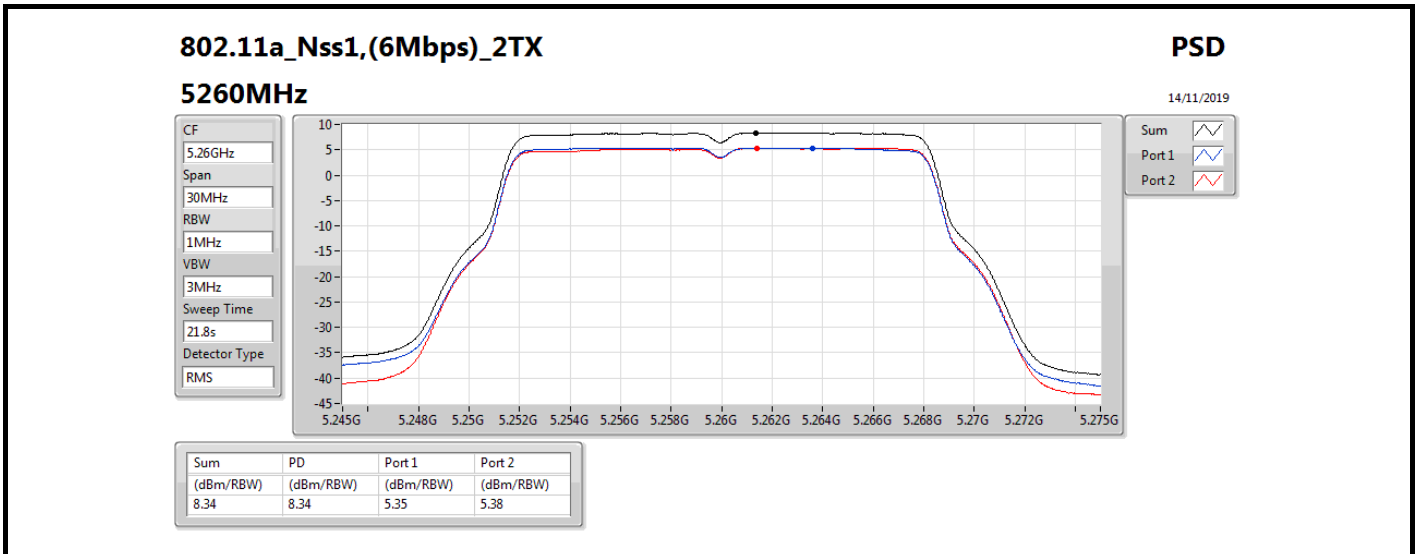
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.59	5.35	5.38	8.34	8.41	16.93	17.00
5300MHz	Pass	8.59	4.43	5.62	8.07	8.41	16.66	17.00
5320MHz	Pass	8.59	5.01	5.58	8.31	8.41	16.90	17.00
5500MHz	Pass	8.59	5.42	5.15	8.29	8.41	16.88	17.00
5580MHz	Pass	8.59	5.20	5.57	8.39	8.41	16.98	17.00
5700MHz	Pass	8.59	4.92	5.59	8.27	8.41	16.86	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.59	5.21	5.69	8.40	8.41	16.99	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.59	3.30	3.49	6.41	27.41	15.00	36.00
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.58	7.48	7.52	10.44	11.00	16.02	17.00
5300MHz	Pass	5.58	6.99	8.22	10.65	11.00	16.23	17.00
5320MHz	Pass	5.58	7.26	7.86	10.55	11.00	16.13	17.00
5500MHz	Pass	5.58	5.40	5.27	8.26	11.00	13.84	17.00
5580MHz	Pass	5.58	7.45	8.08	10.74	11.00	16.32	17.00
5700MHz	Pass	5.58	6.42	7.28	9.87	11.00	15.45	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.58	7.08	7.83	10.42	11.00	16.00	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.58	5.50	6.15	8.81	30.00	14.39	36.00
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.58	4.59	4.96	7.71	11.00	13.29	17.00
5310MHz	Pass	5.58	4.58	5.26	7.85	11.00	13.43	17.00
5510MHz	Pass	5.58	3.59	3.51	6.52	11.00	12.10	17.00
5550MHz	Pass	5.58	4.67	5.24	7.97	11.00	13.55	17.00
5670MHz	Pass	5.58	4.58	5.15	7.87	11.00	13.45	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.58	4.67	5.76	8.13	11.00	13.71	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.58	2.68	3.08	5.89	30.00	11.47	36.00
802.11ac VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.58	1.15	1.69	4.37	11.00	9.95	17.00
5530MHz	Pass	5.58	1.92	2.60	5.22	11.00	10.80	17.00
5610MHz	Pass	5.58	1.98	2.67	5.26	11.00	10.84	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.58	1.23	2.08	4.65	11.00	10.23	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.58	-0.90	-0.46	2.34	30.00	7.92	36.00
802.11ac VHT160_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.58	-5.70	-6.10	-3.10	17.00	2.48	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.58	-6.48	-5.09	-2.78	11.00	2.80	17.00
5570MHz	Pass	5.58	-2.81	-1.97	0.51	11.00	6.09	17.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.58	7.27	7.29	10.27	11.00	15.85	17.00
5300MHz	Pass	5.58	6.84	8.00	10.46	11.00	16.04	17.00
5320MHz	Pass	5.58	7.16	7.69	10.43	11.00	16.01	17.00
5500MHz	Pass	5.58	7.23	7.22	10.21	11.00	15.79	17.00
5580MHz	Pass	5.58	7.29	7.99	10.66	11.00	16.24	17.00
5700MHz	Pass	5.58	6.40	7.22	9.81	11.00	15.39	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.58	7.03	7.72	10.32	11.00	15.90	17.00

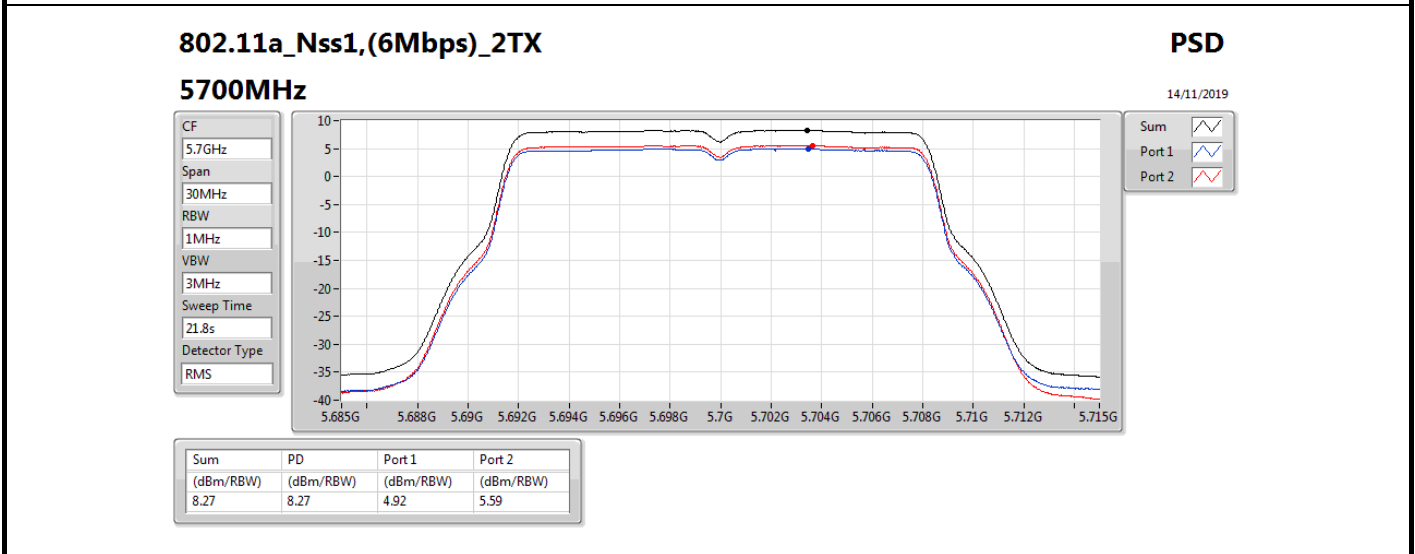
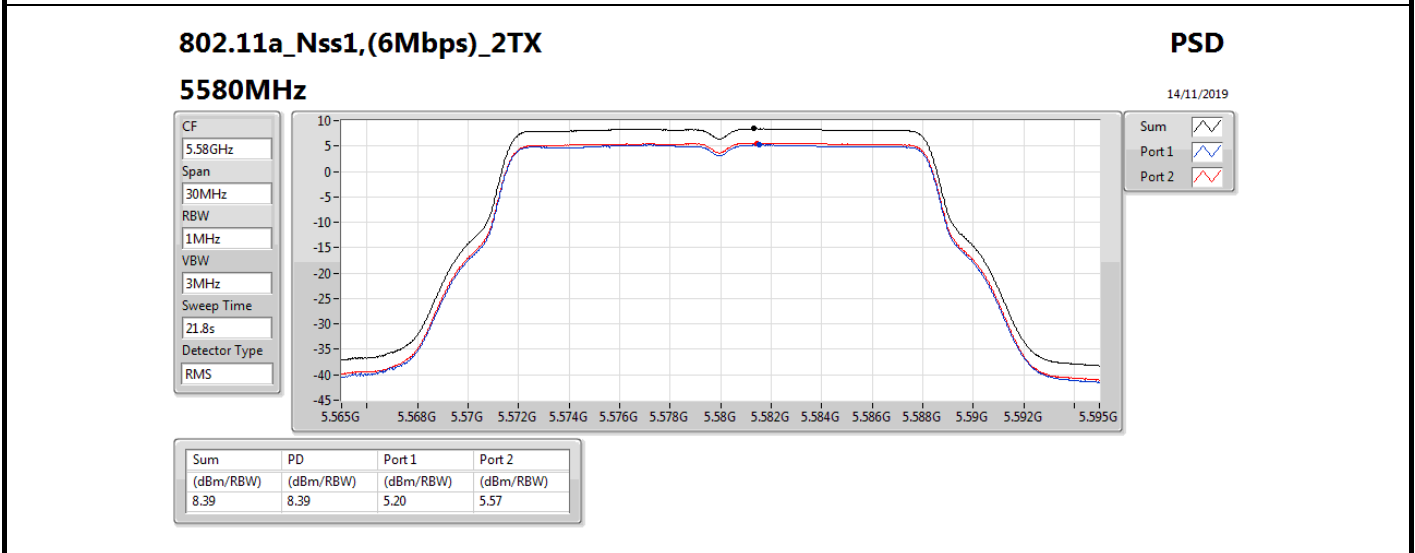
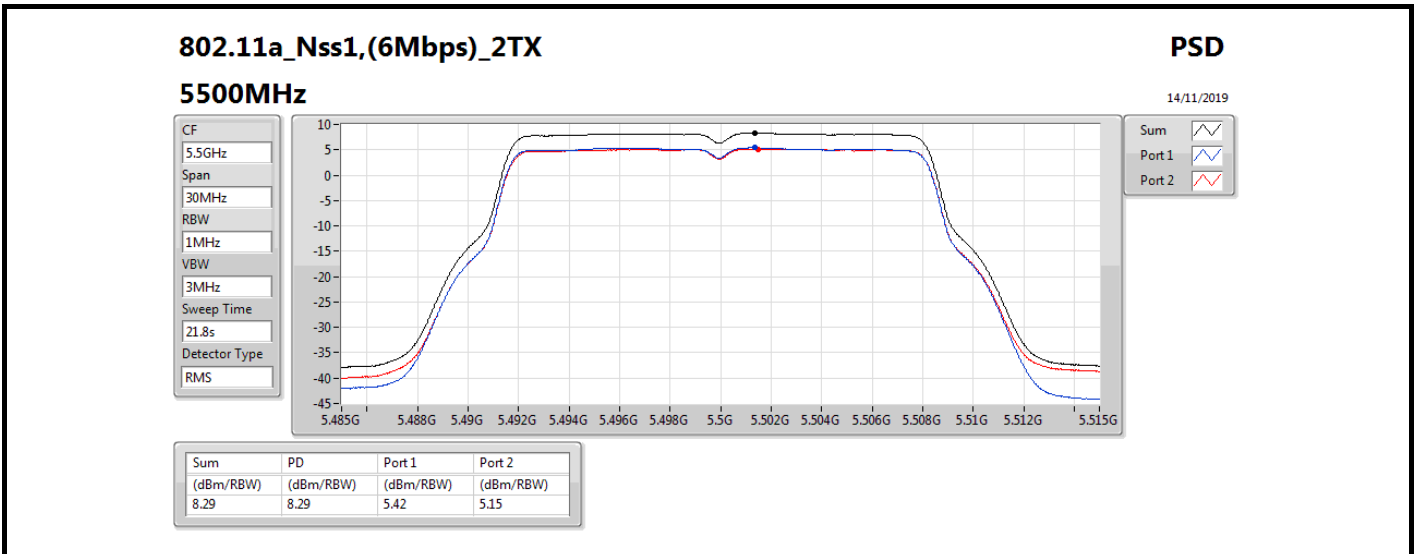


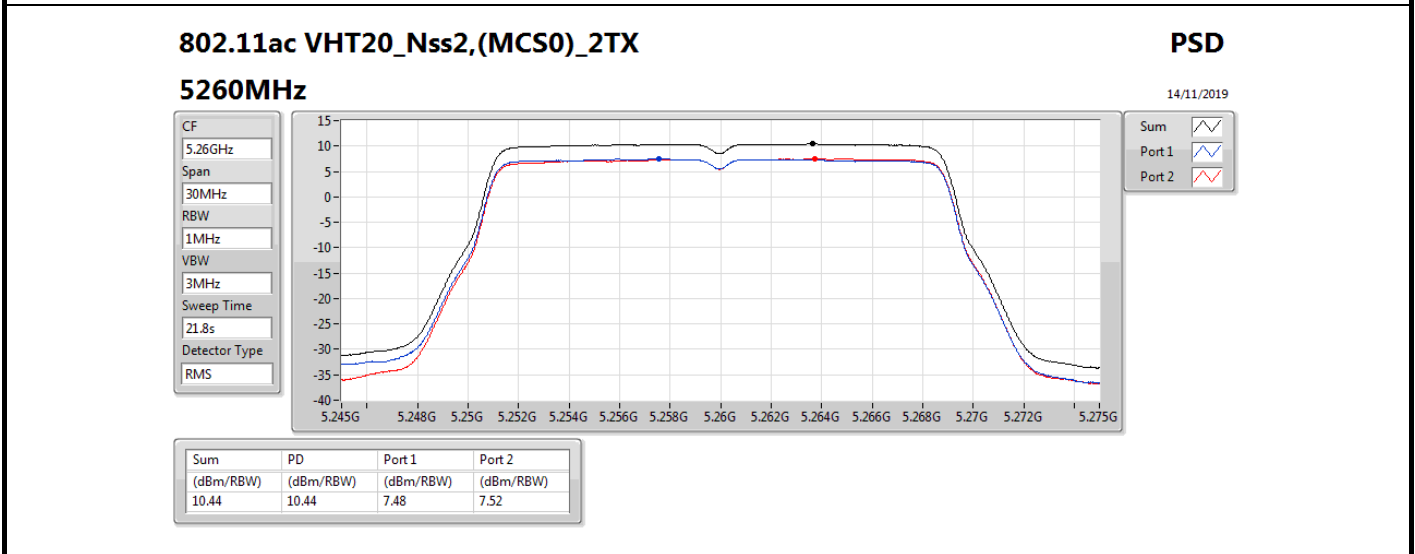
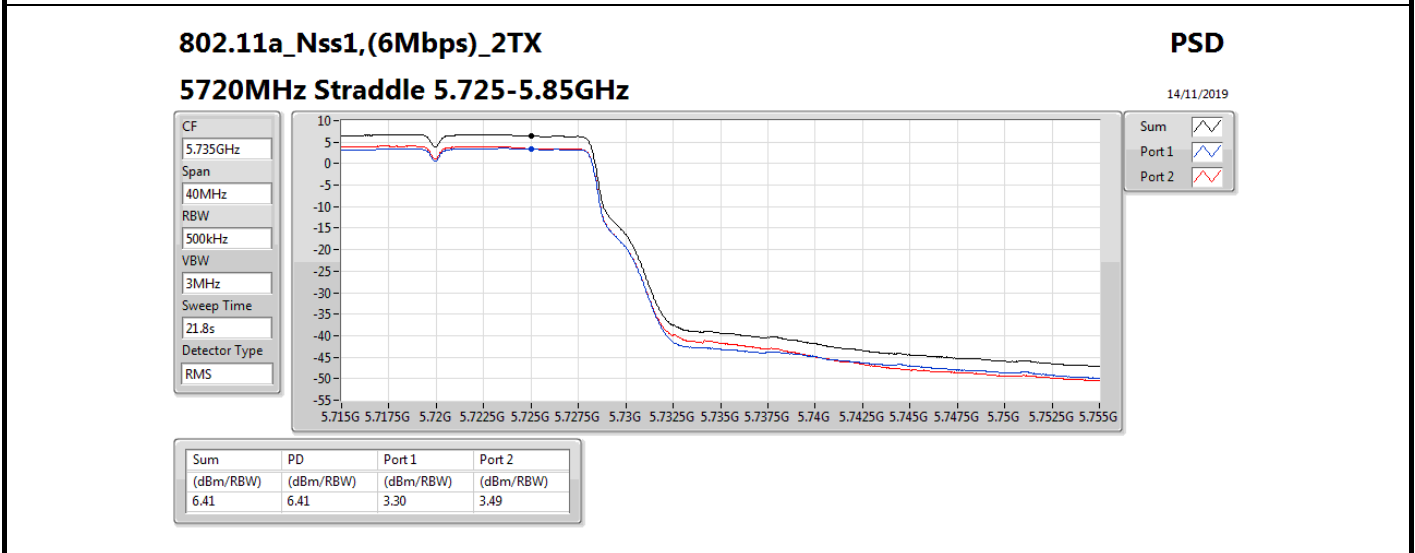
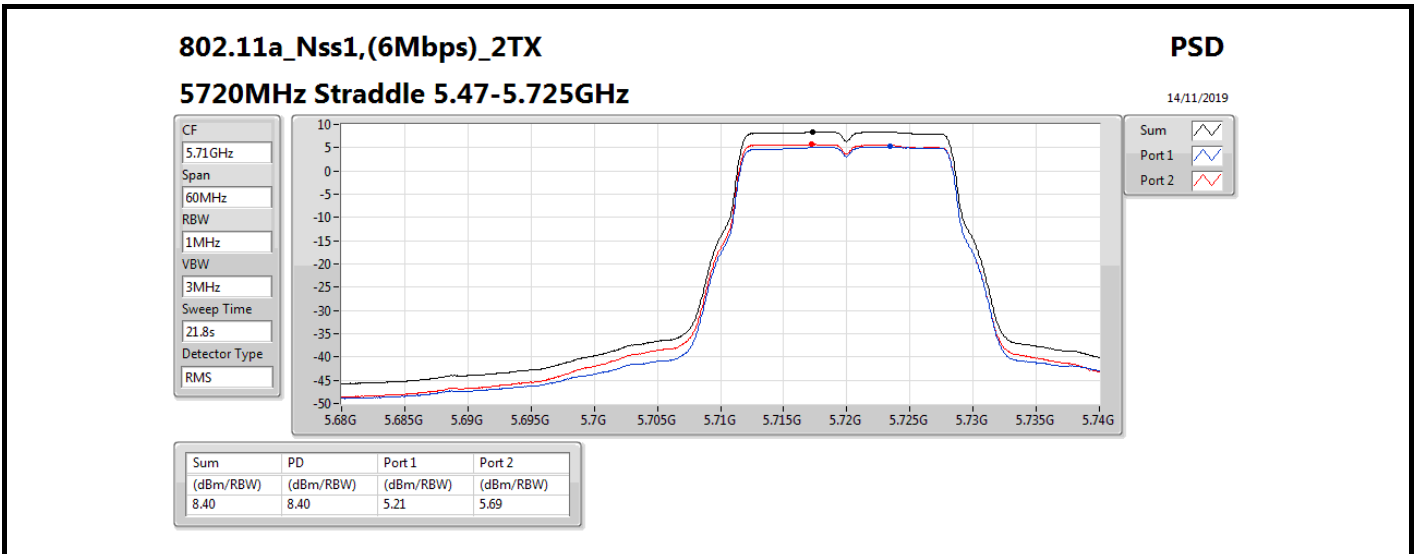
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5720MHz Straddle 5.725-5.85GHz	Pass	5.58	5.37	5.93	8.67	30.00	14.25	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.58	4.49	4.93	7.72	11.00	13.30	17.00
5310MHz	Pass	5.58	4.38	5.08	7.72	11.00	13.30	17.00
5510MHz	Pass	5.58	3.44	3.41	6.35	11.00	11.93	17.00
5550MHz	Pass	5.58	4.70	5.15	7.88	11.00	13.46	17.00
5670MHz	Pass	5.58	4.45	4.99	7.69	11.00	13.27	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.58	4.47	5.65	8.04	11.00	13.62	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.58	2.83	3.15	6.00	30.00	11.58	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.58	1.28	1.59	4.42	11.00	10.00	17.00
5530MHz	Pass	5.58	1.84	2.50	5.11	11.00	10.69	17.00
5610MHz	Pass	5.58	1.95	2.43	5.17	11.00	10.75	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.58	1.26	2.03	4.61	11.00	10.19	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.58	-0.73	-0.74	2.28	30.00	7.86	36.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.58	-5.39	-5.58	-2.77	17.00	2.81	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.58	-6.20	-4.78	-2.50	11.00	3.08	17.00
5570MHz	Pass	5.58	-2.72	-1.93	0.61	11.00	6.19	17.00

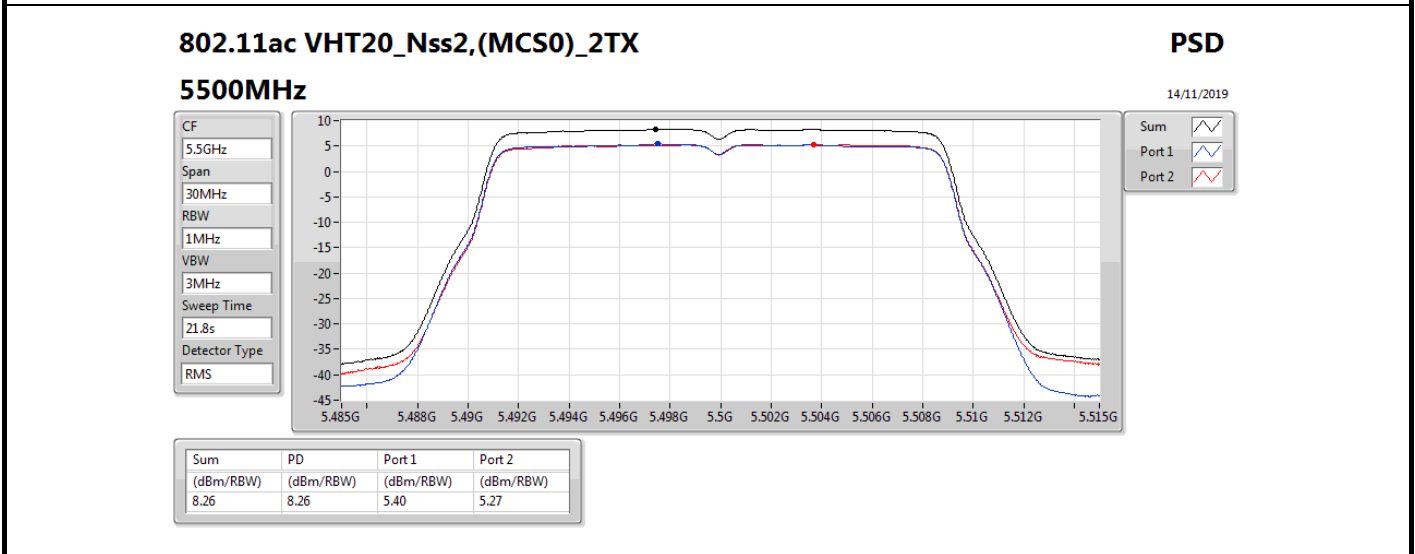
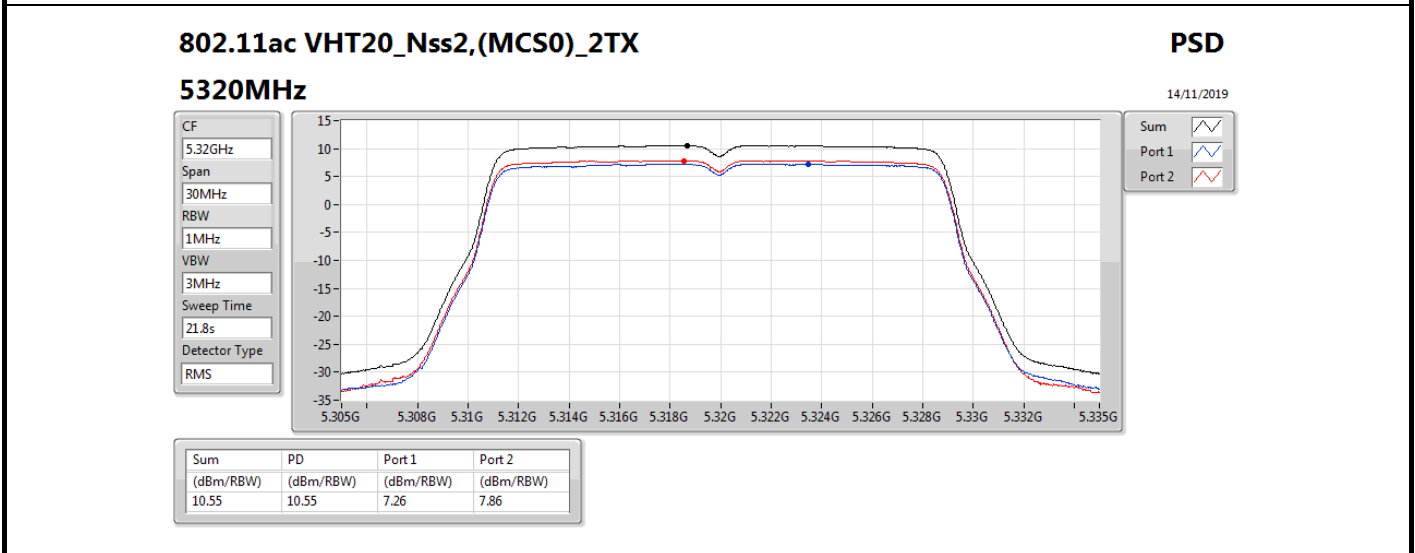
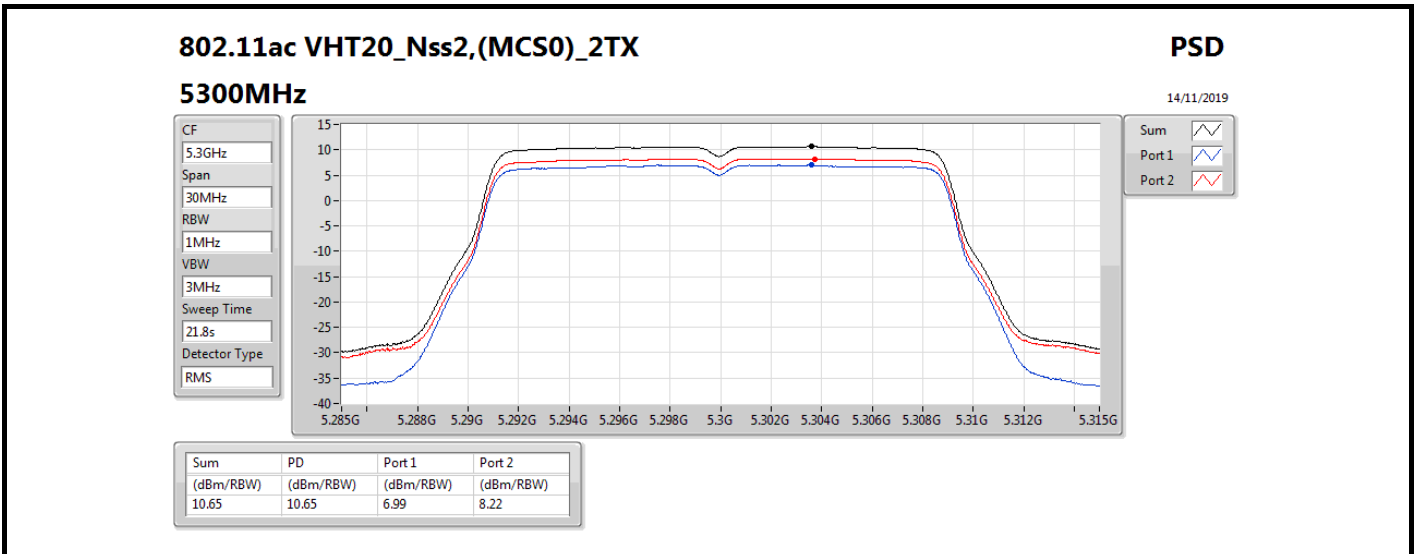
DG = Directional Gain; RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

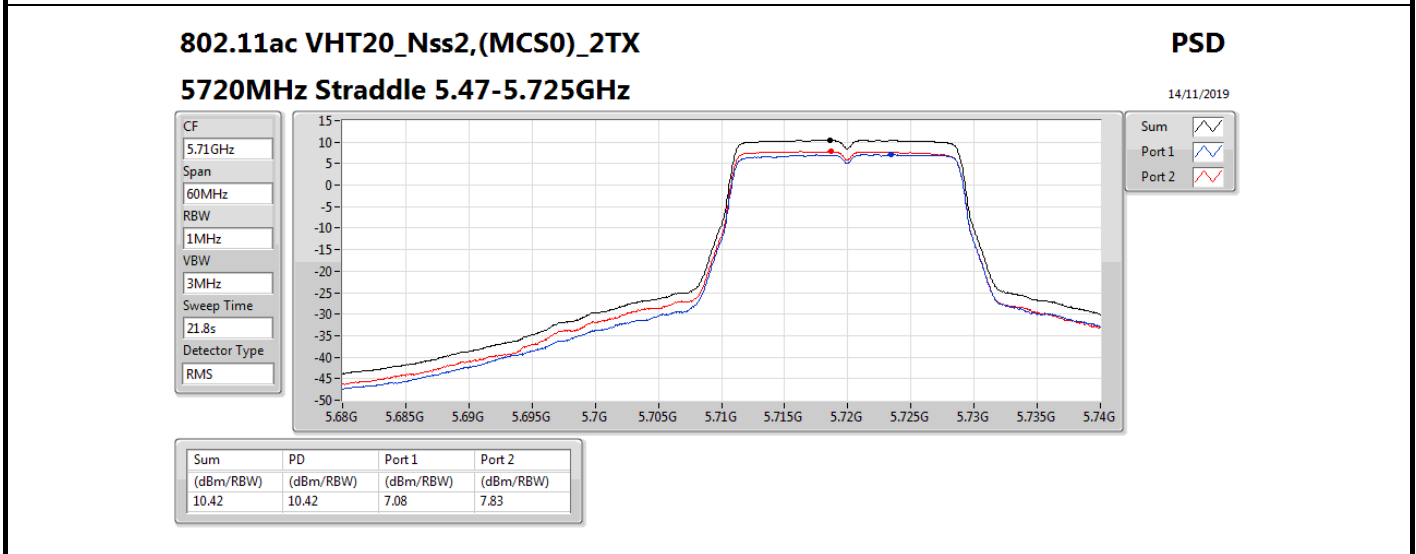
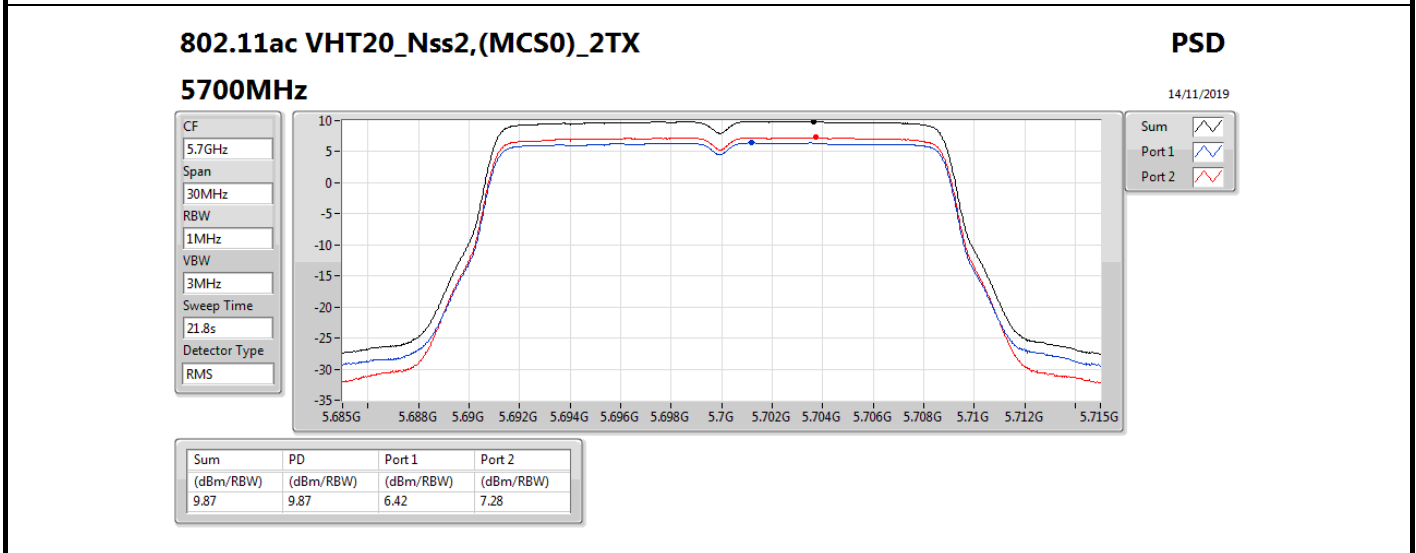
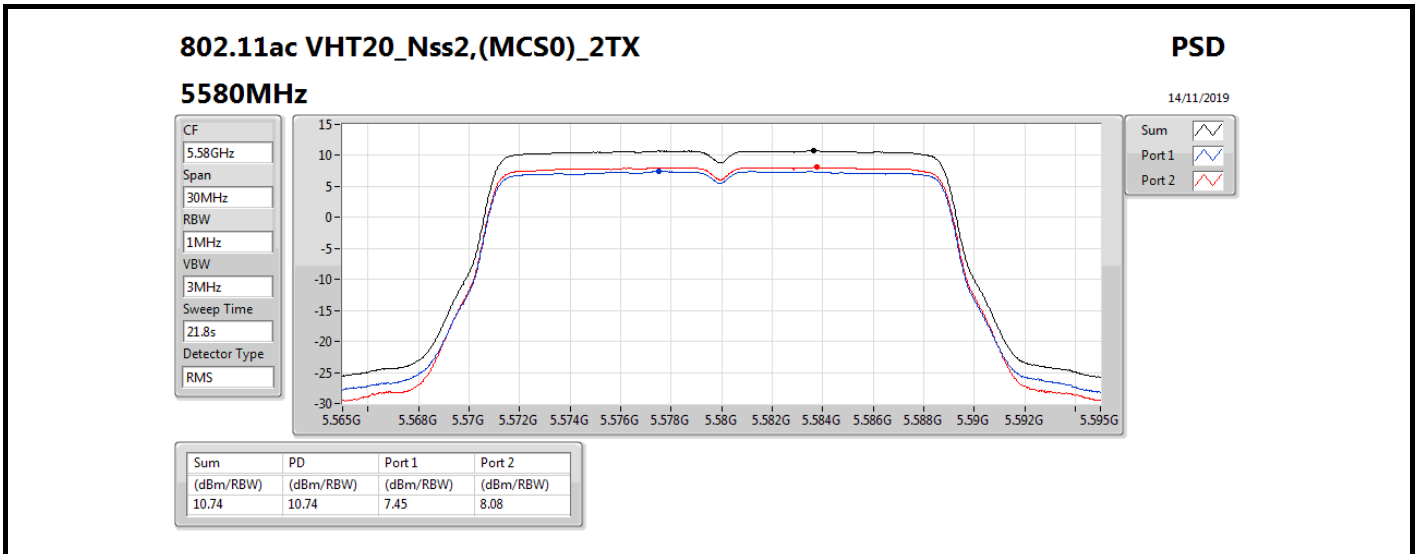
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

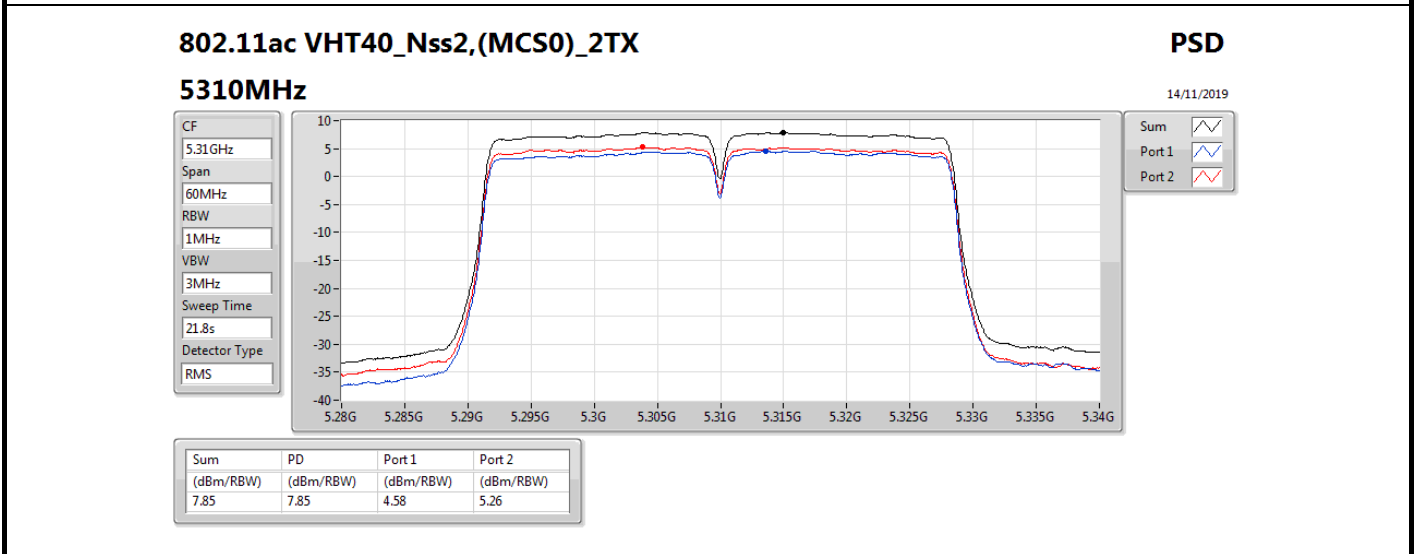
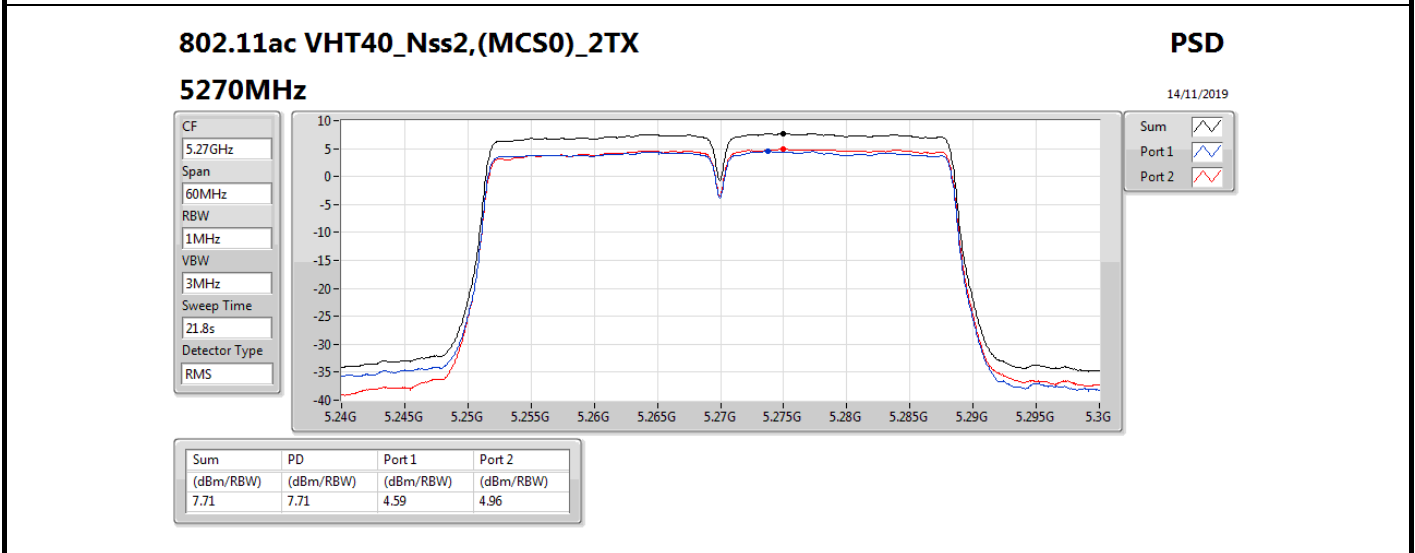
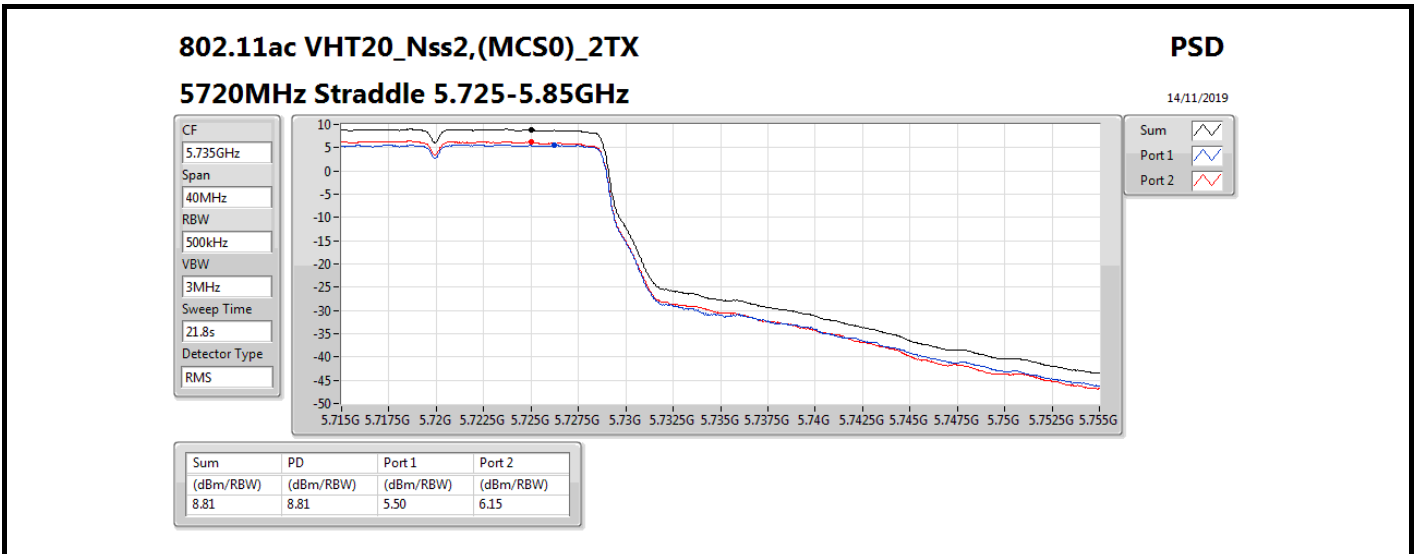


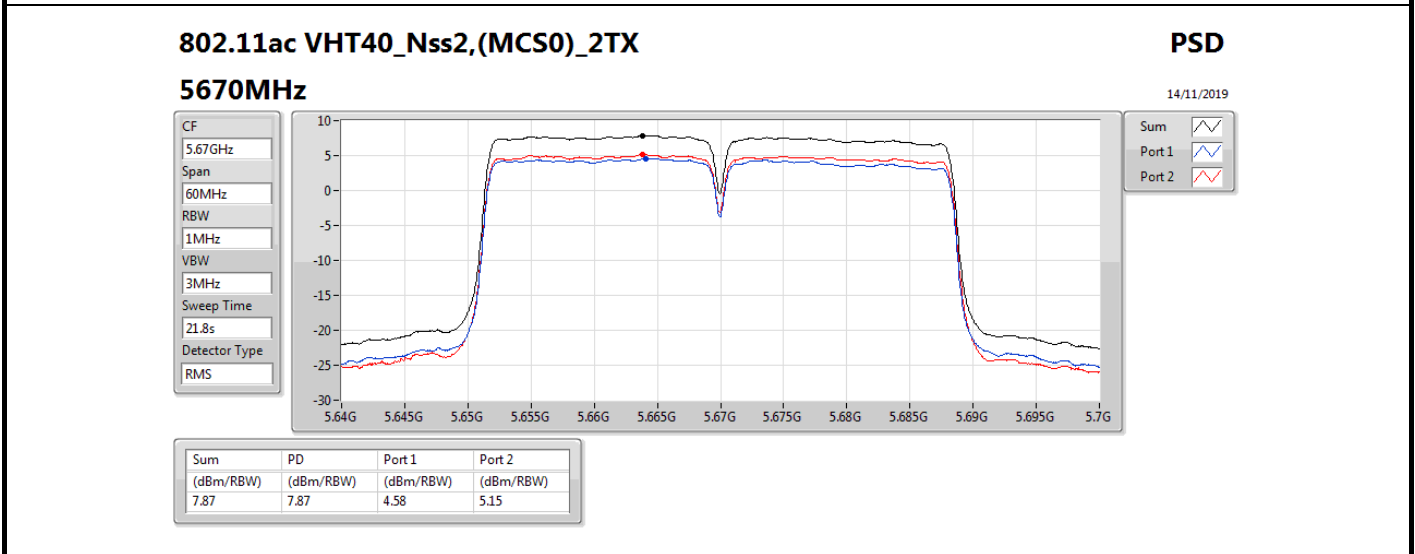
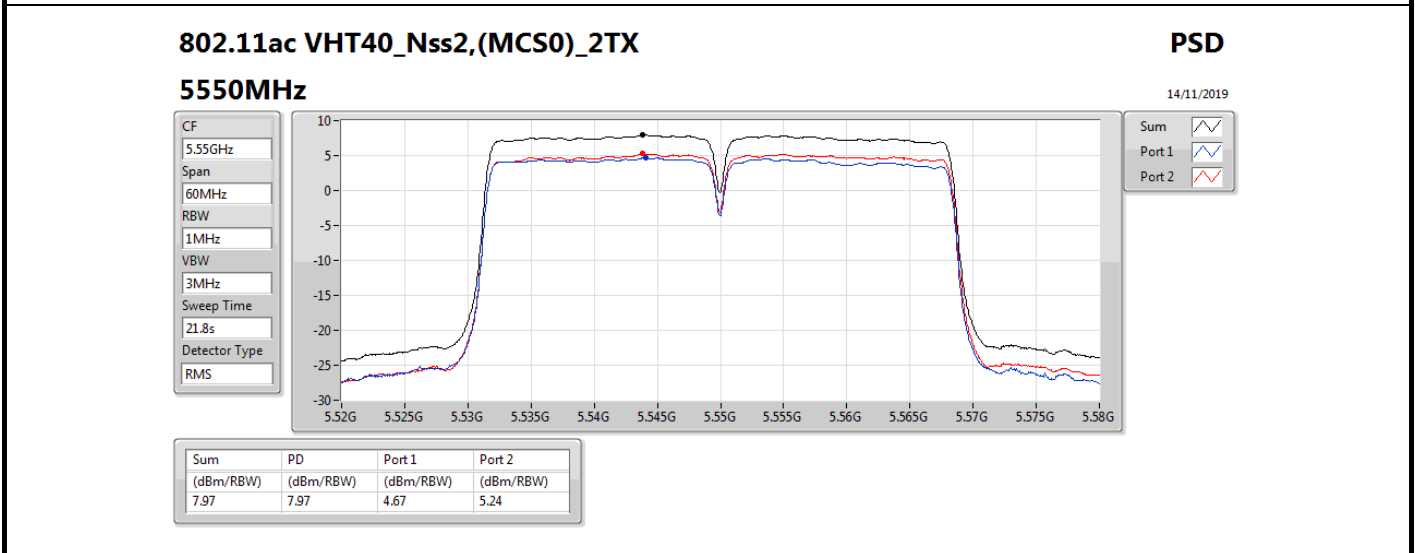
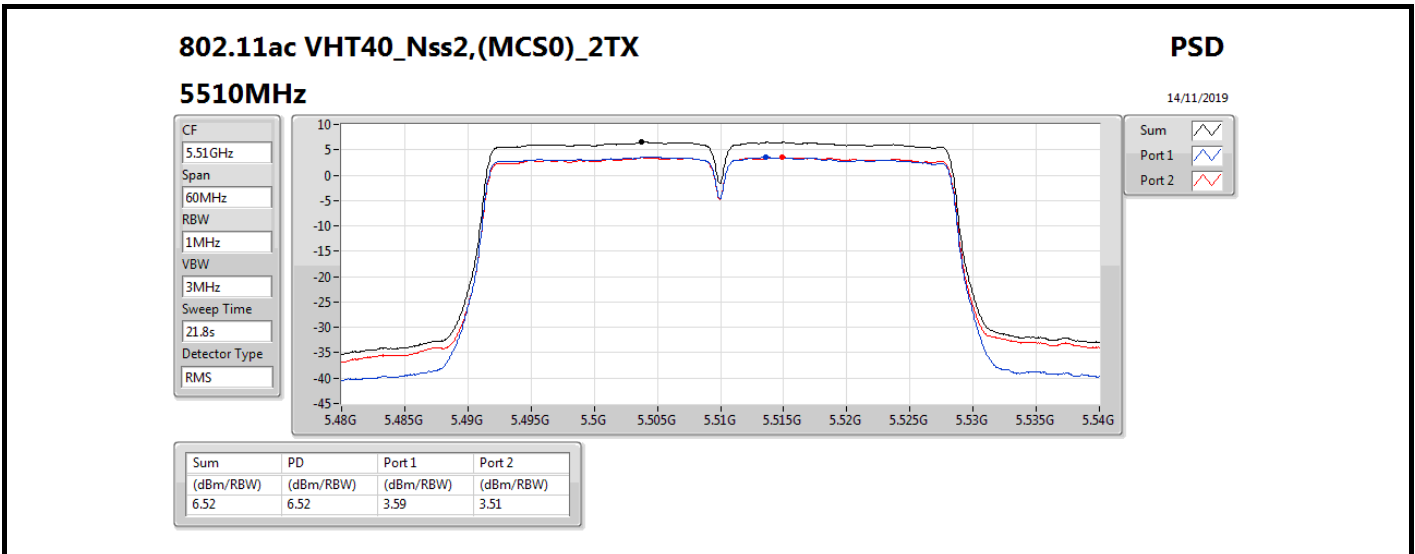


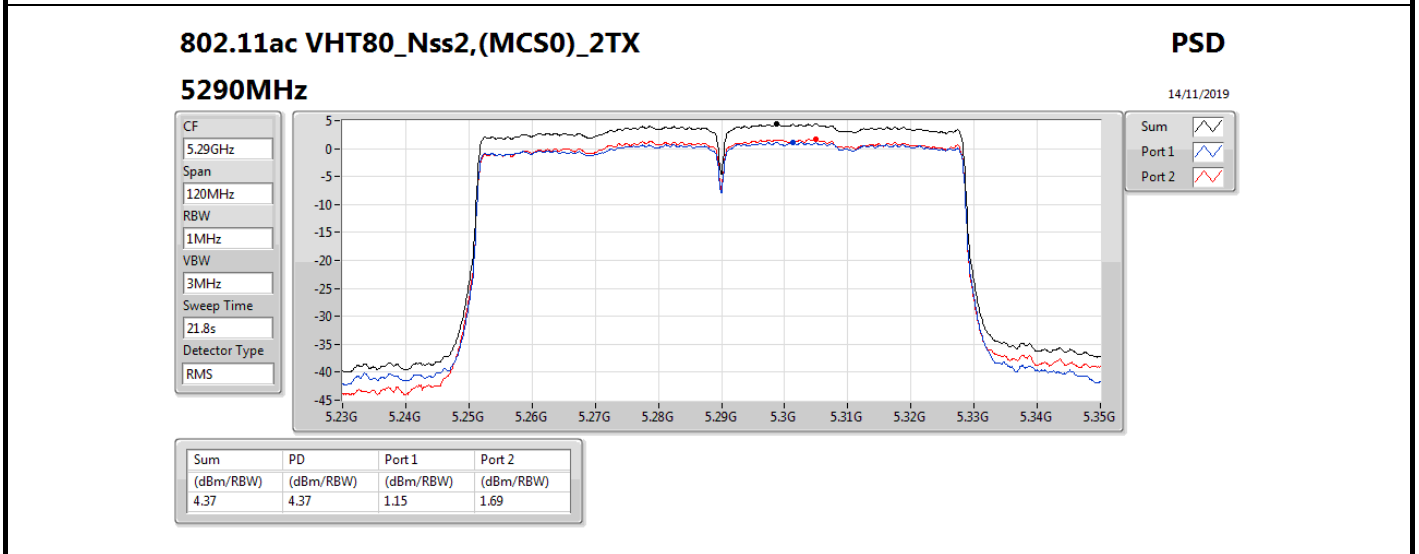
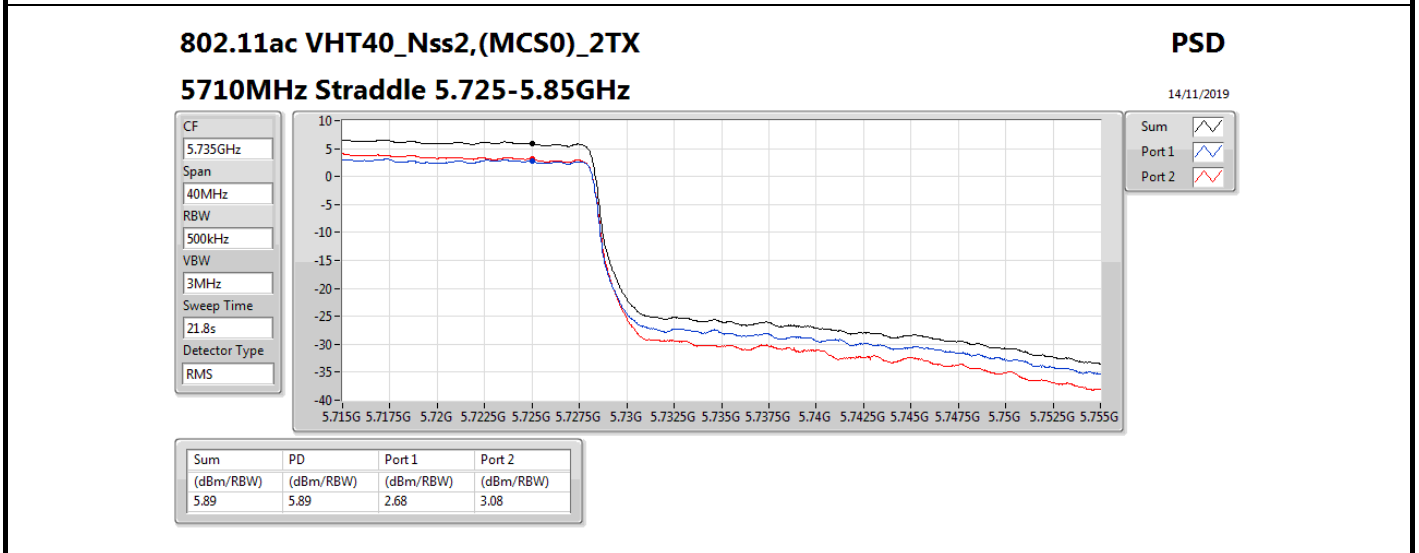
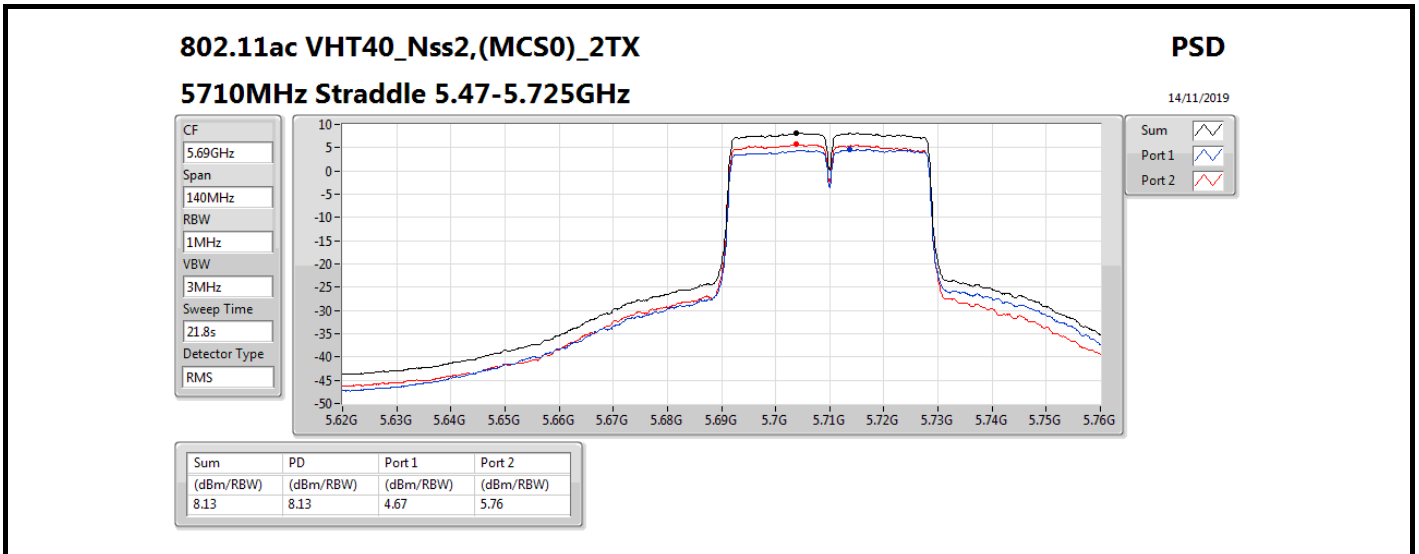


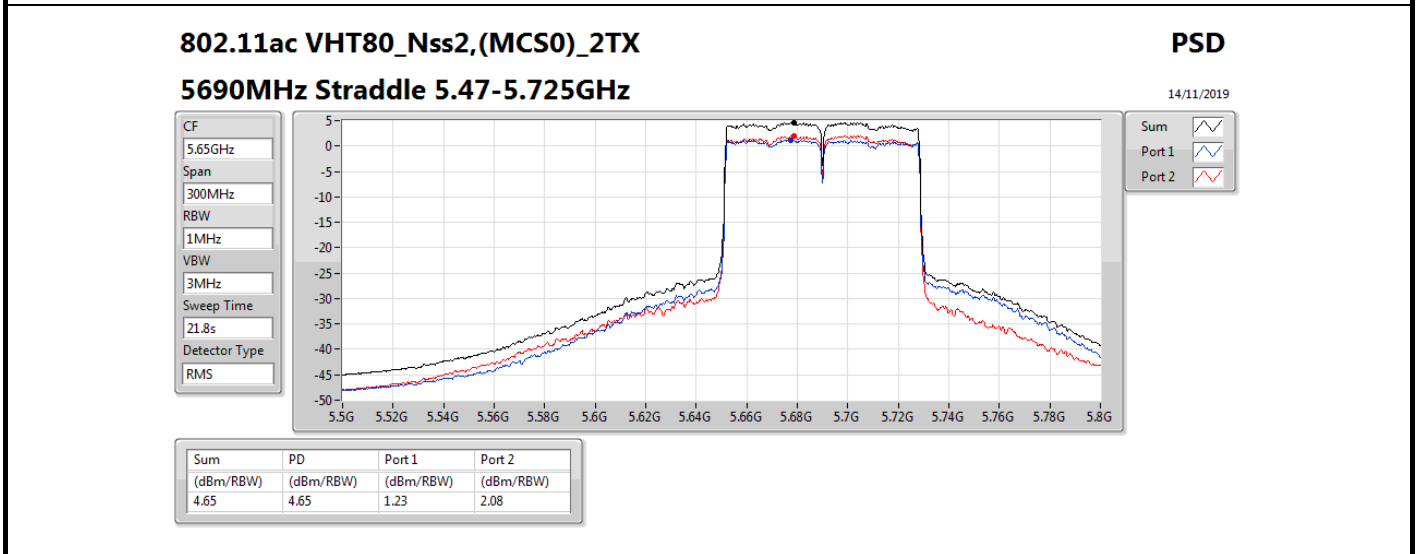
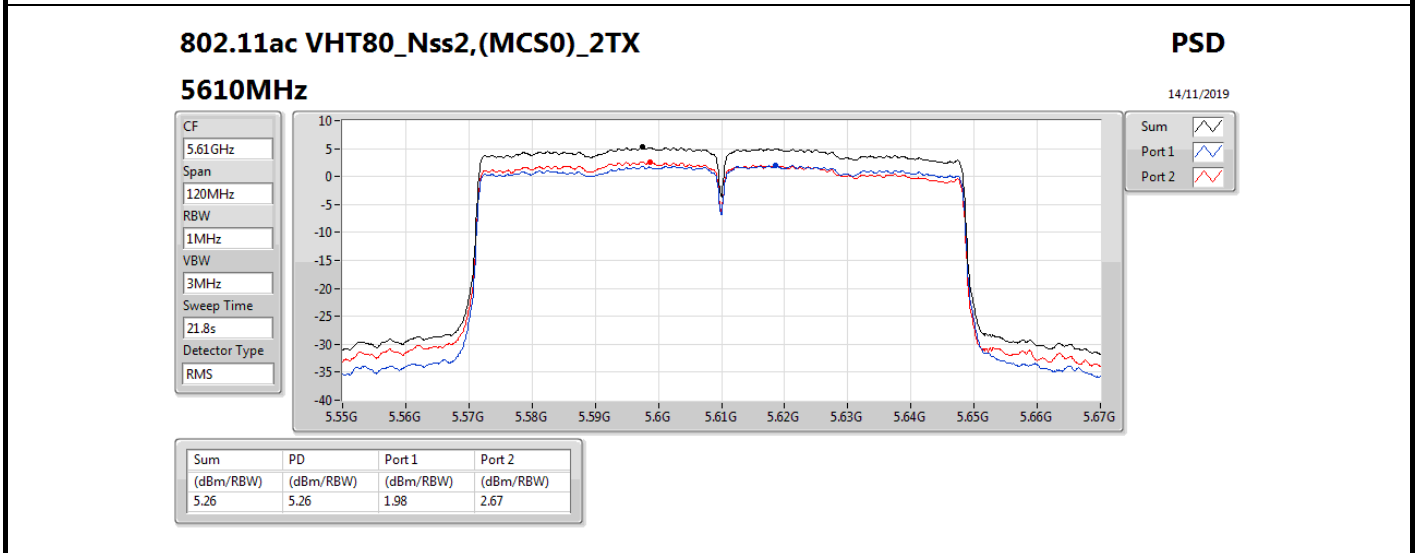
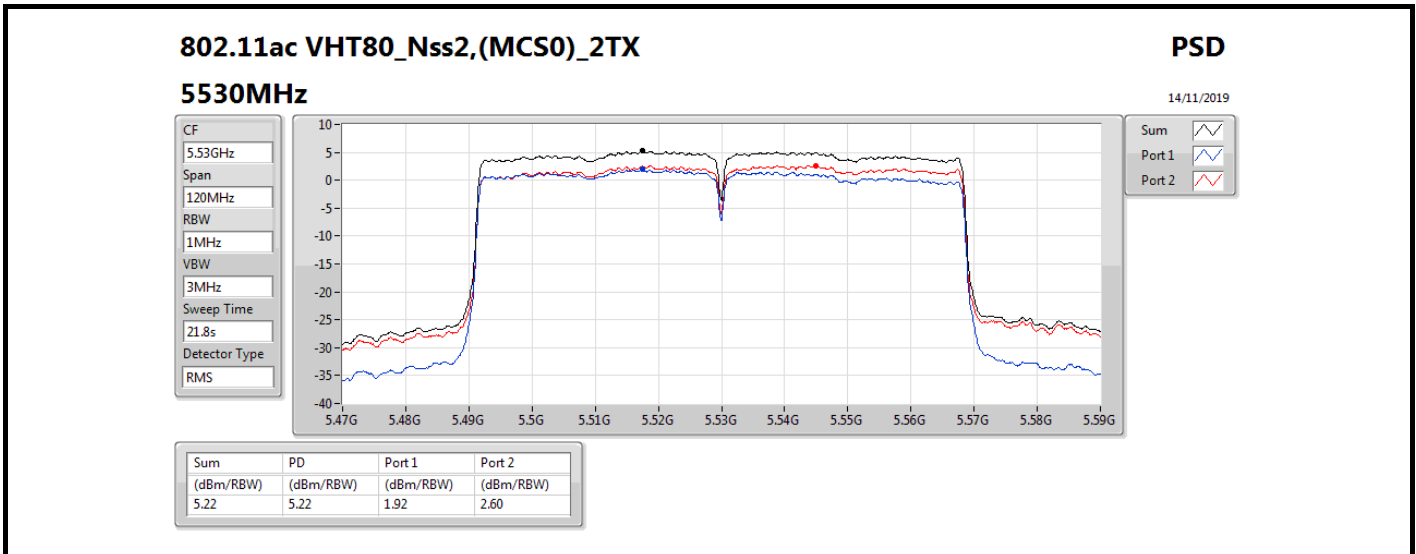


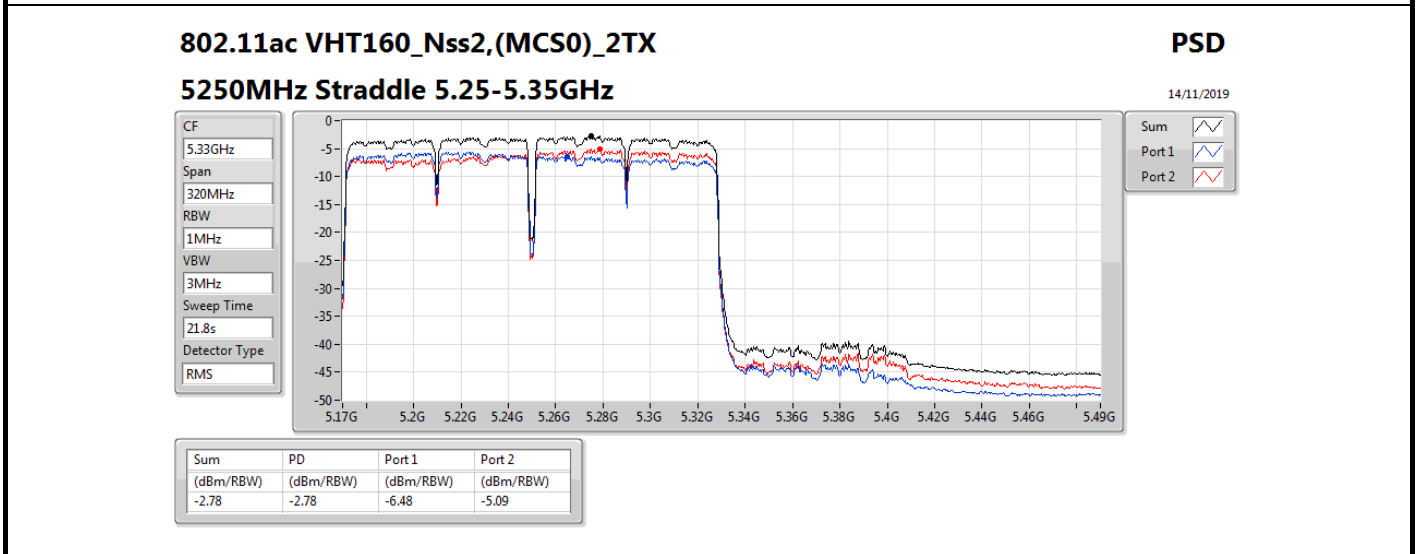
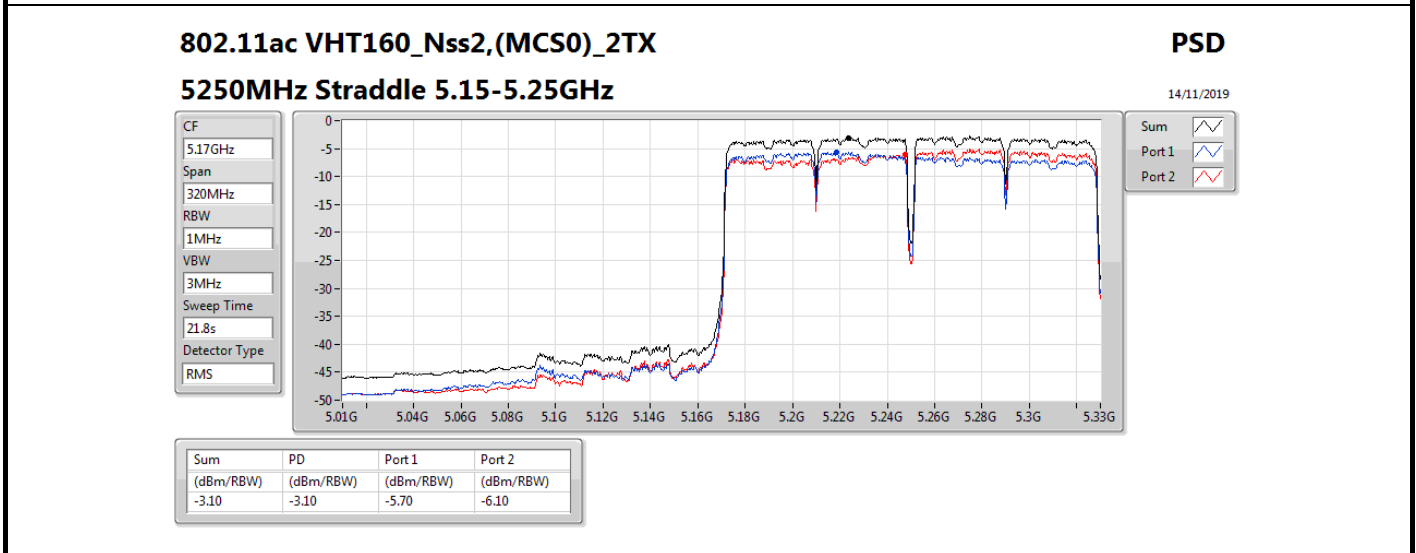
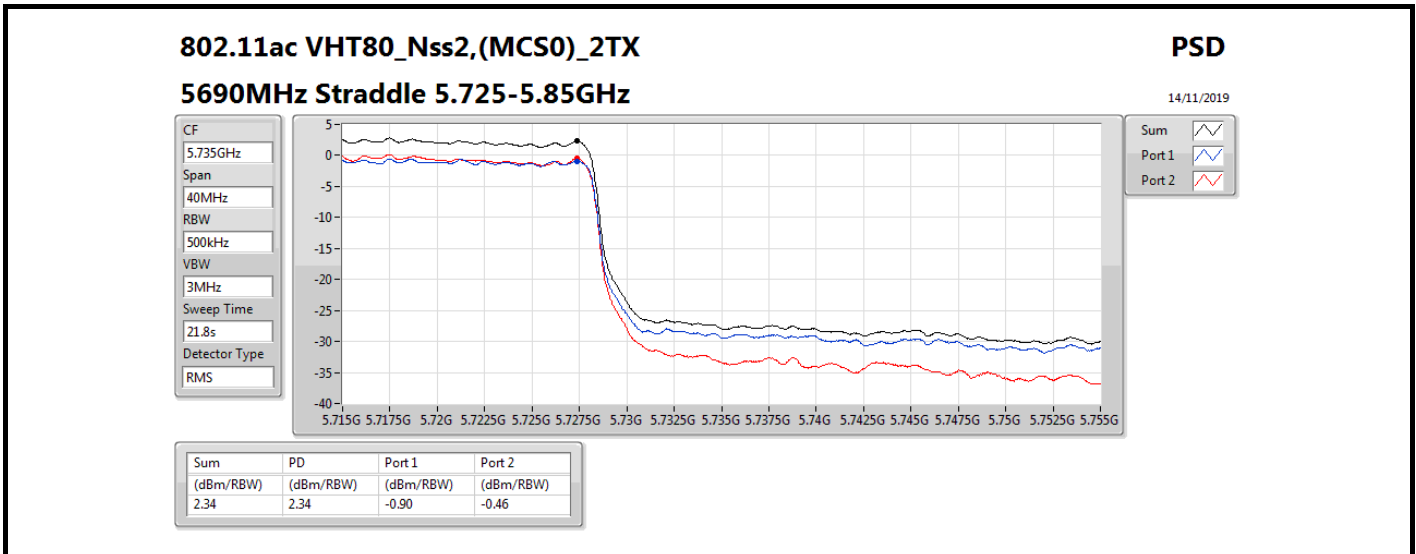












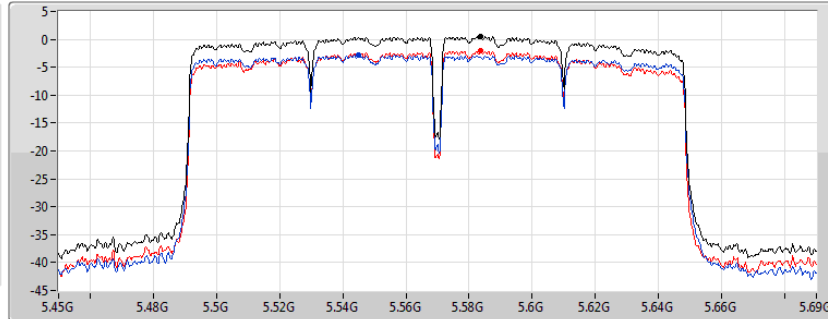
802.11ac VHT160_Nss2,(MCS0)_2TX

PSD

5570MHz

14/11/2019

CF
5.57GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
21.8s
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.51	0.51	-2.81	-1.97

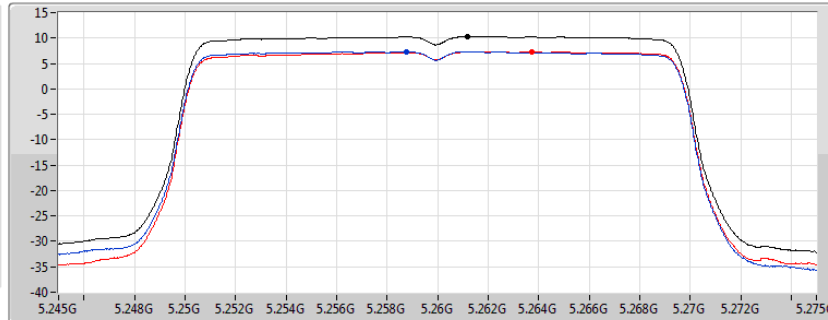
802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5260MHz

14/11/2019

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
21.8s
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.27	10.27	7.27	7.29

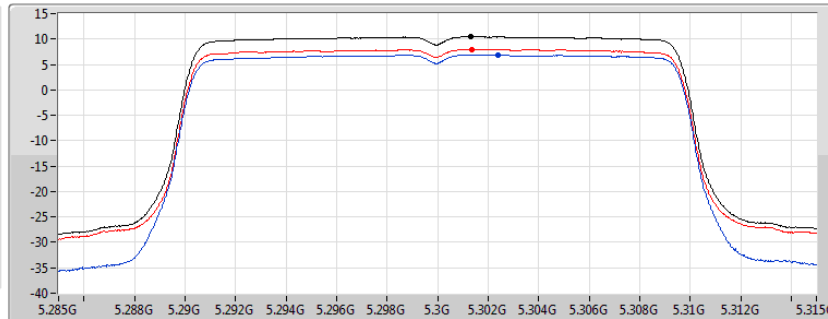
802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5300MHz

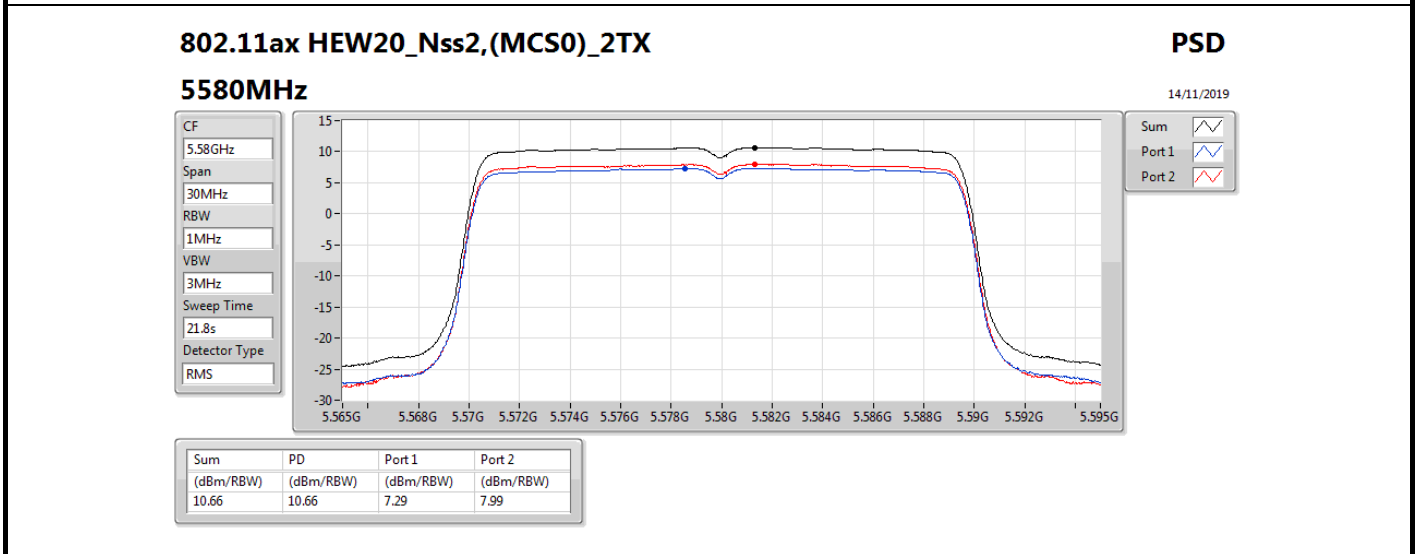
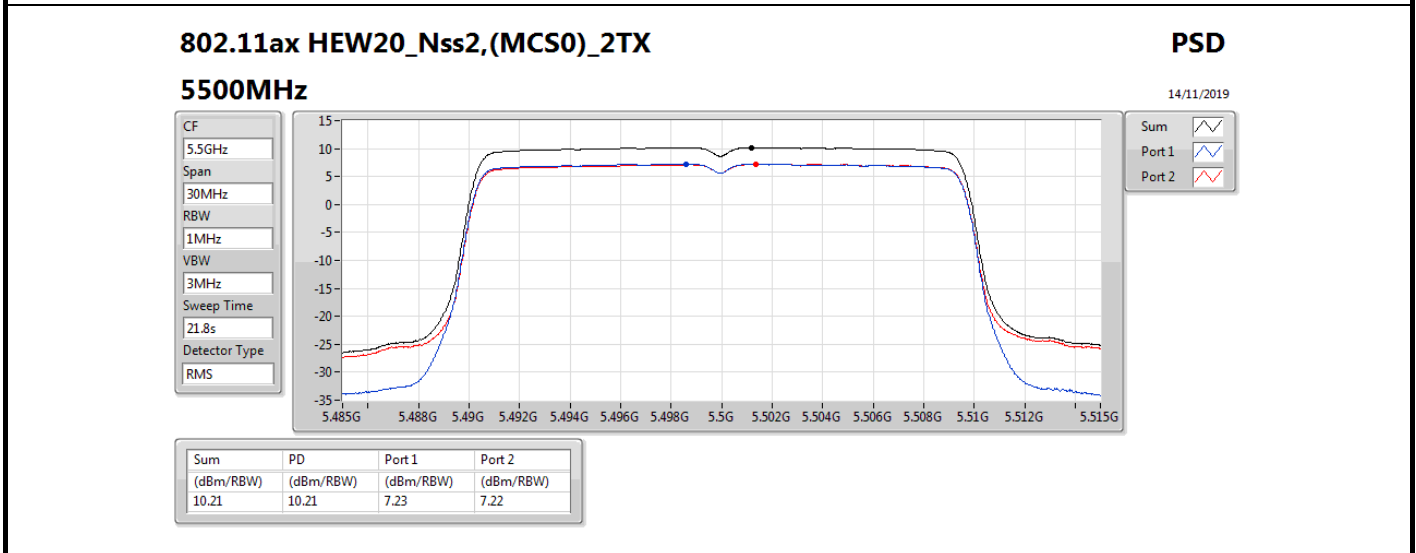
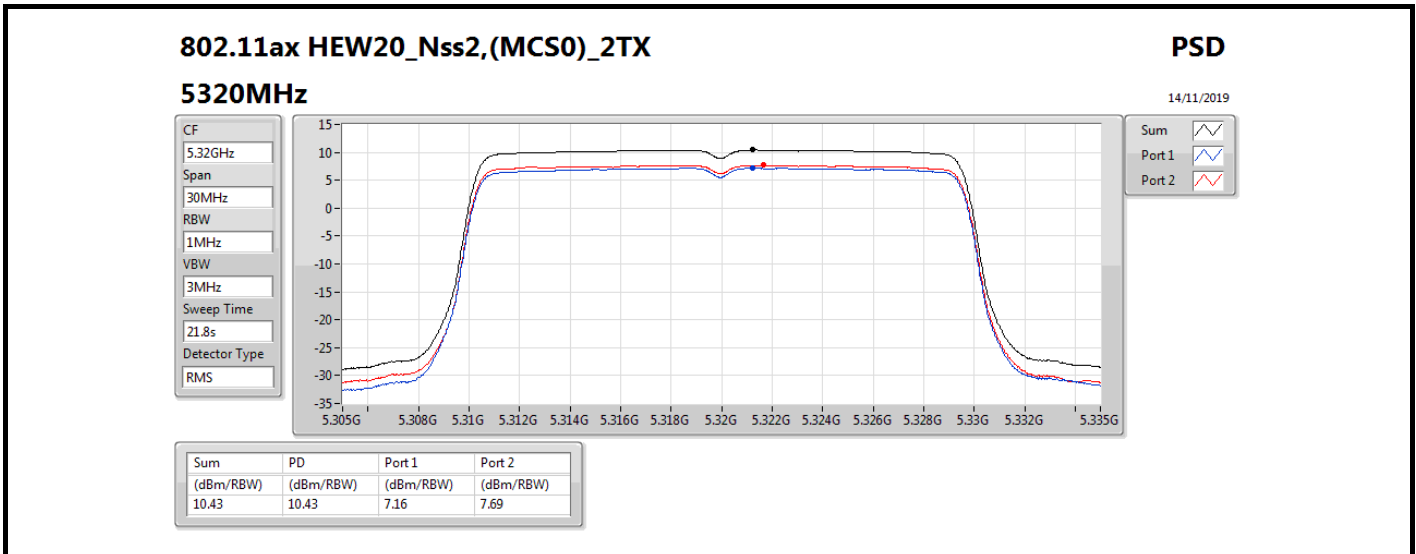
14/11/2019

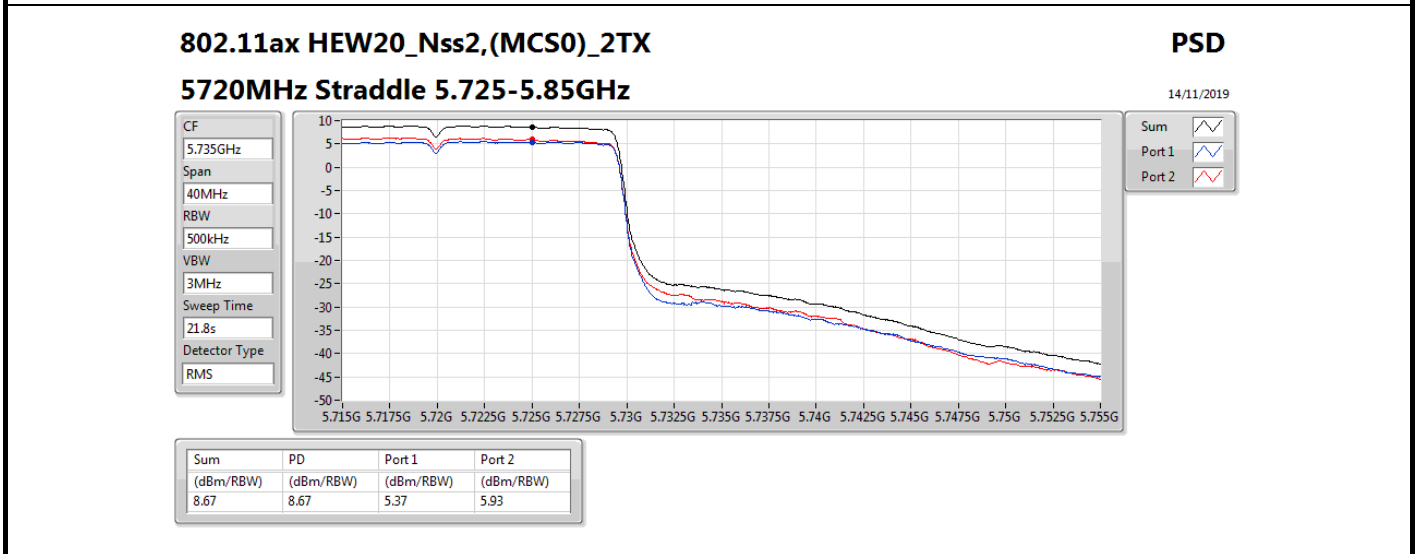
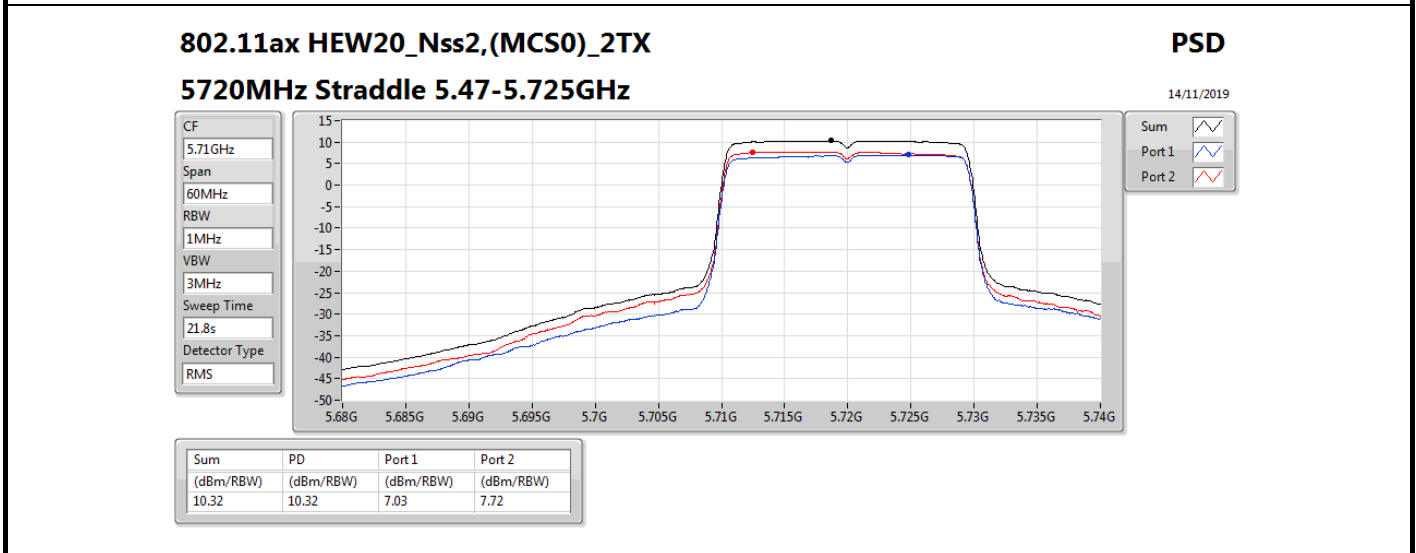
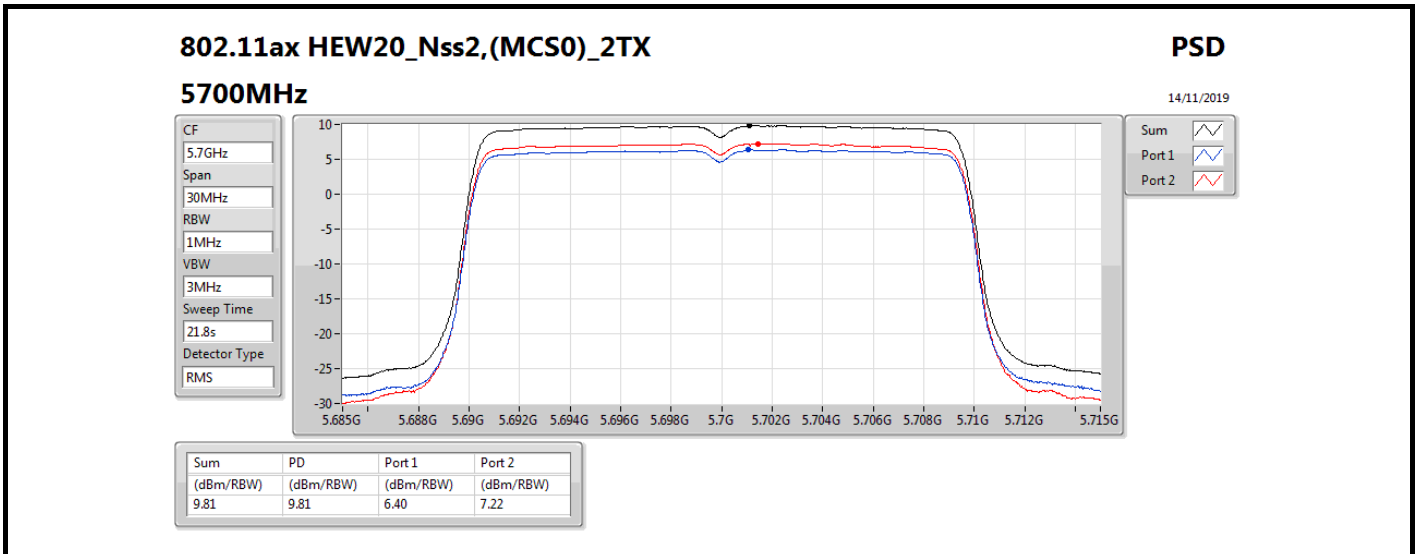
CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
21.8s
Detector Type
RMS

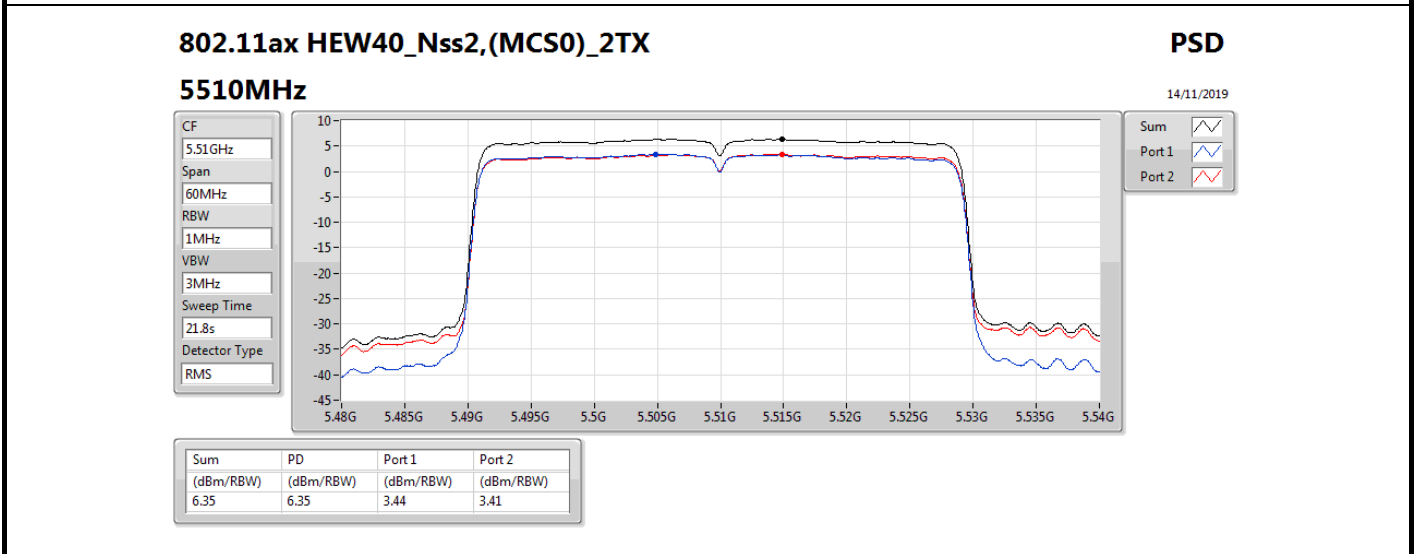
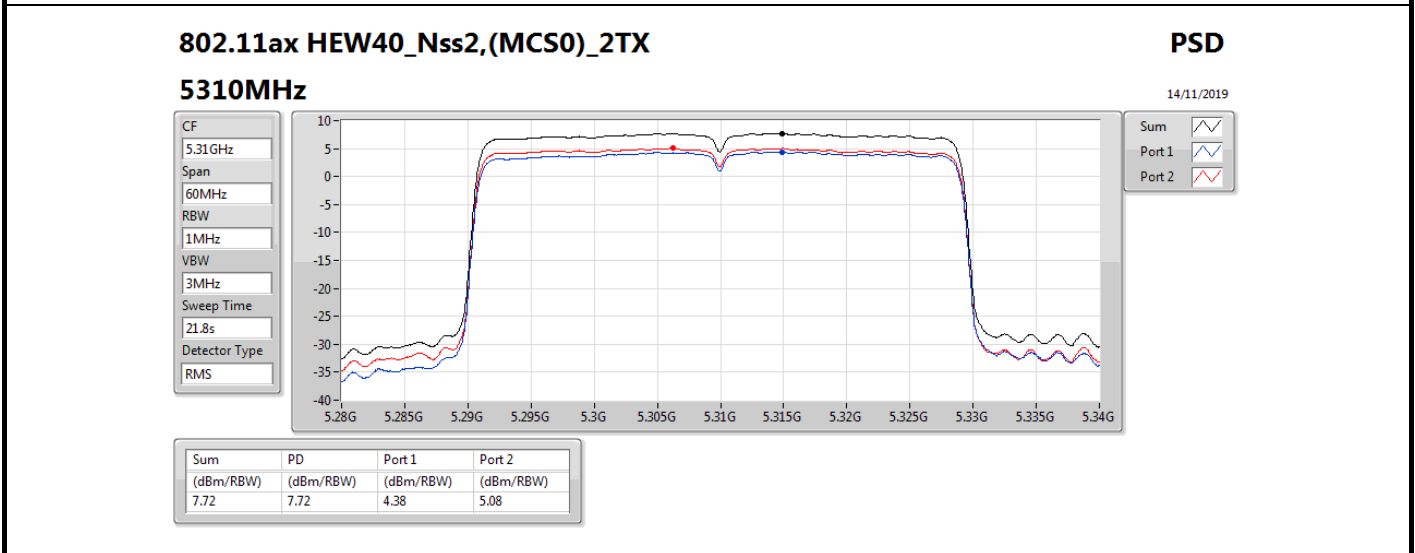
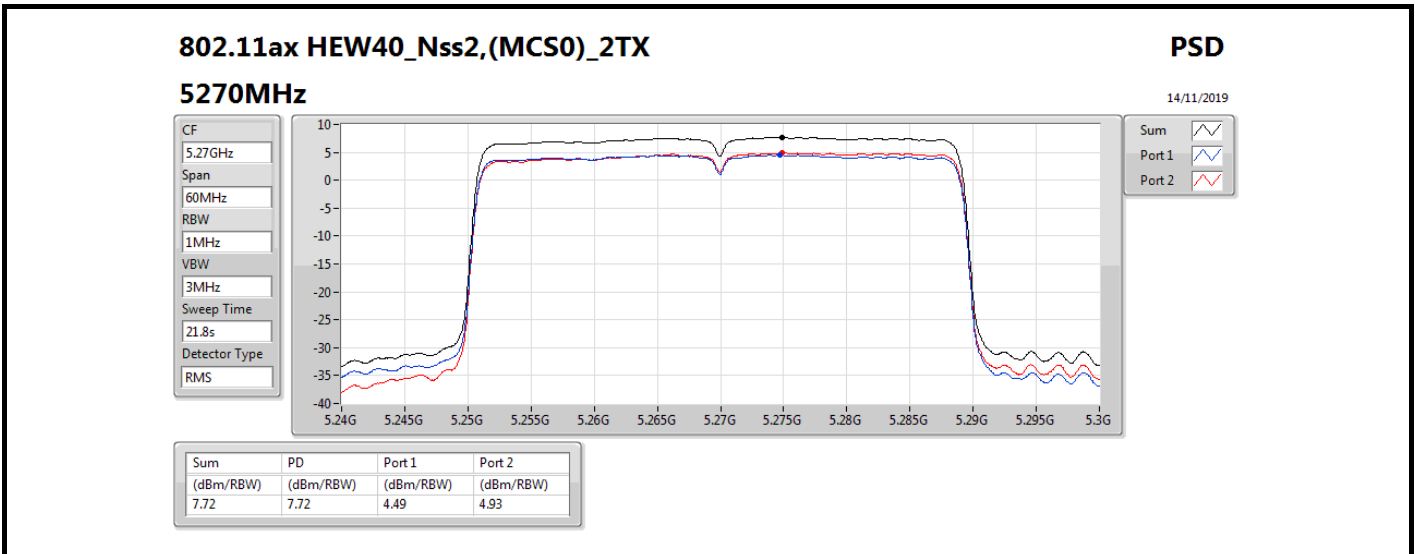


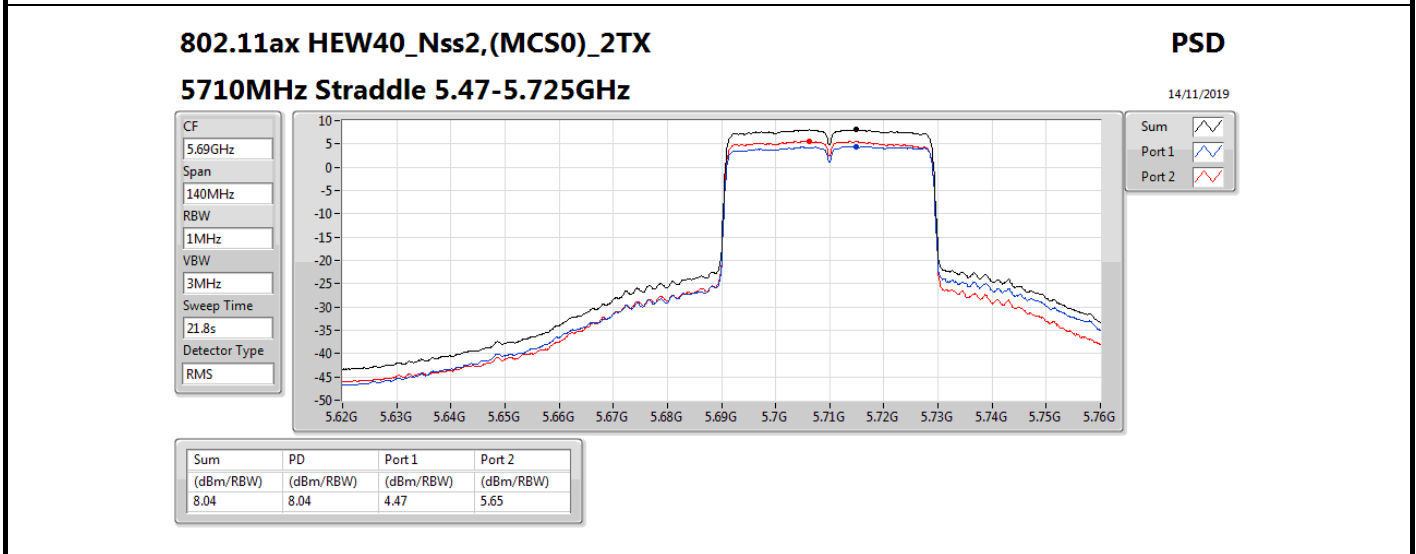
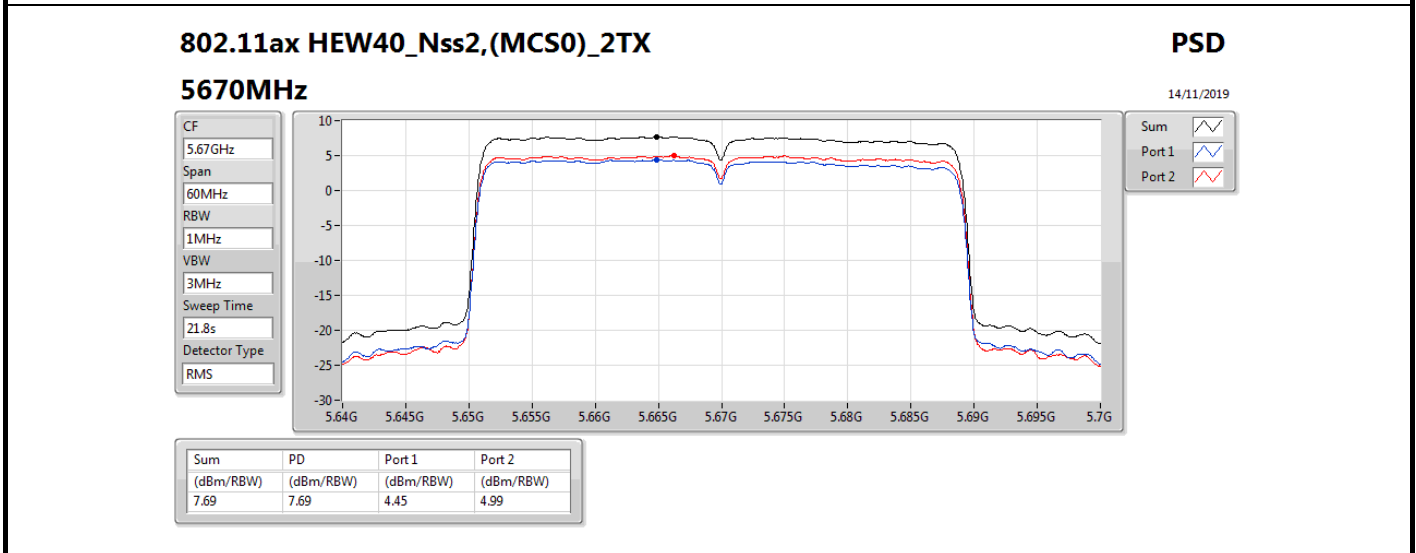
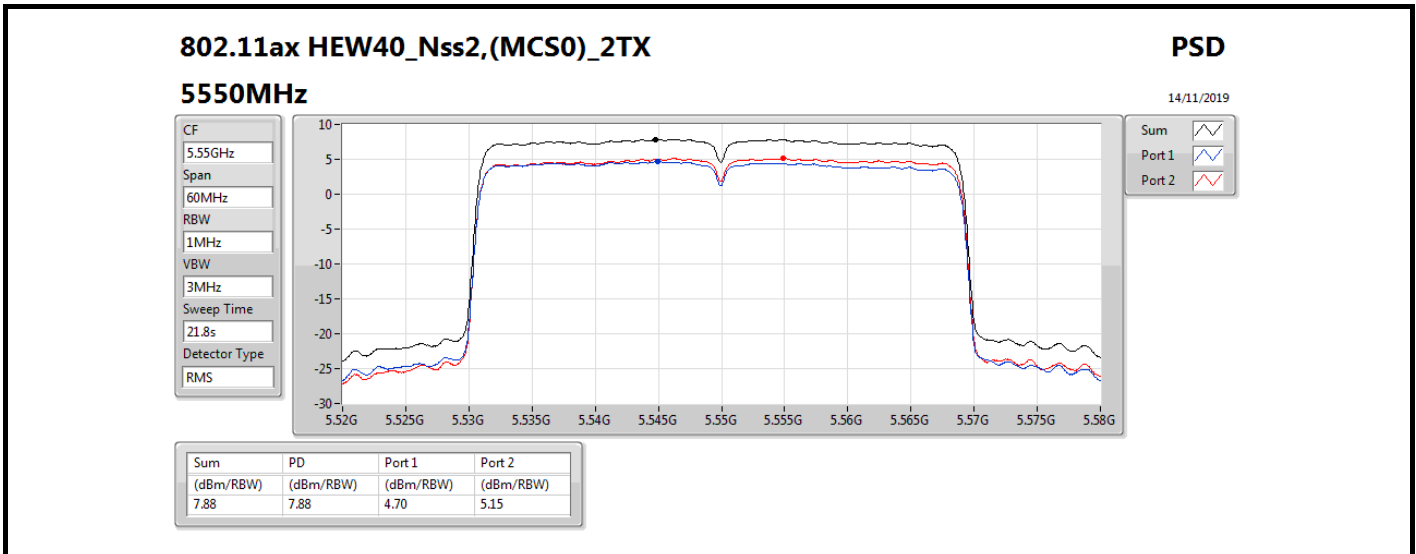
Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.46	10.46	6.84	8.00





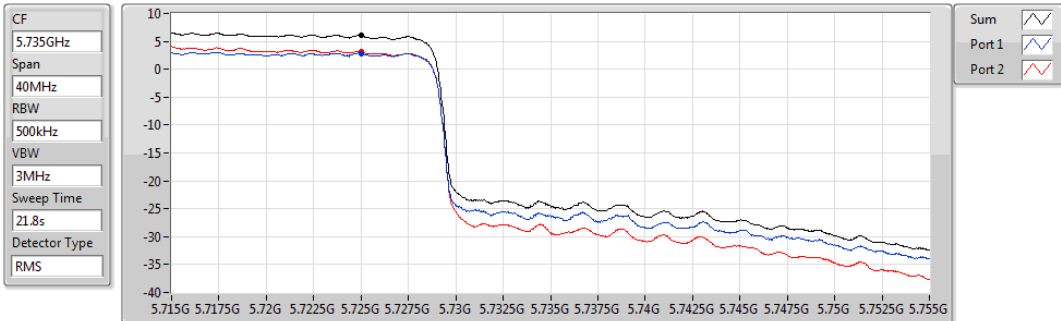




802.11ax HEW40_Nss2,(MCS0)_2TX
5710MHz Straddle 5.725-5.85GHz

PSD

14/11/2019

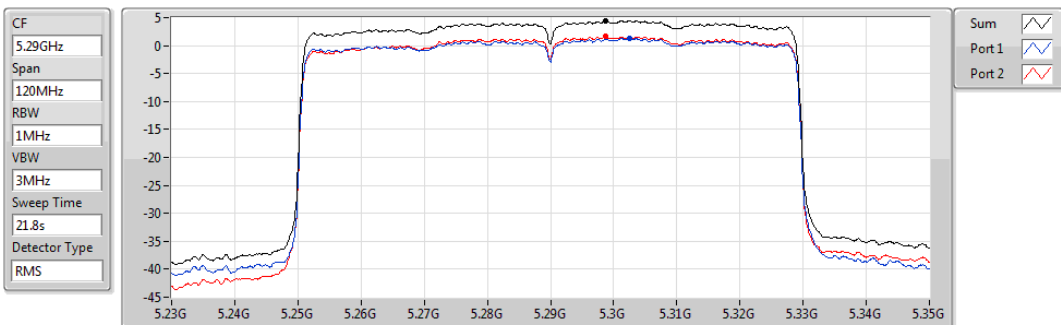


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.00	6.00	2.83	3.15

802.11ax HEW80_Nss2,(MCS0)_2TX
5290MHz

PSD

14/11/2019

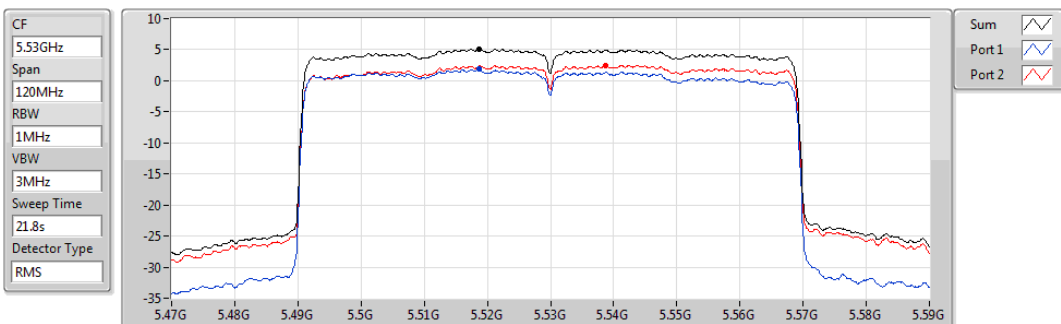


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.42	4.42	1.28	1.59

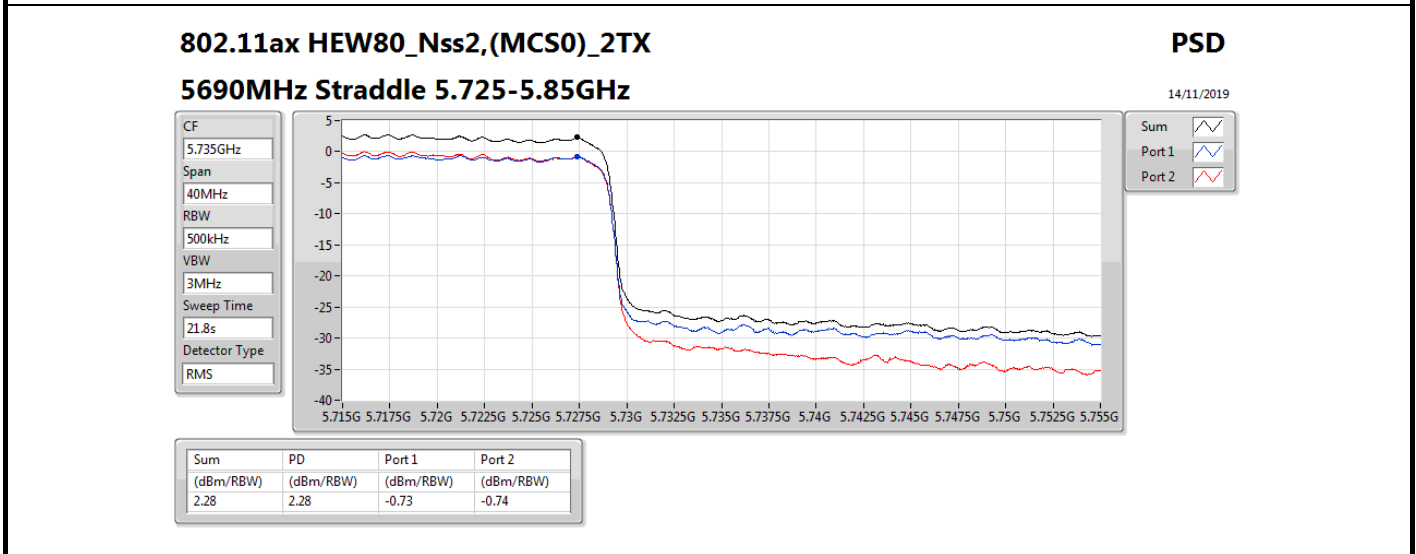
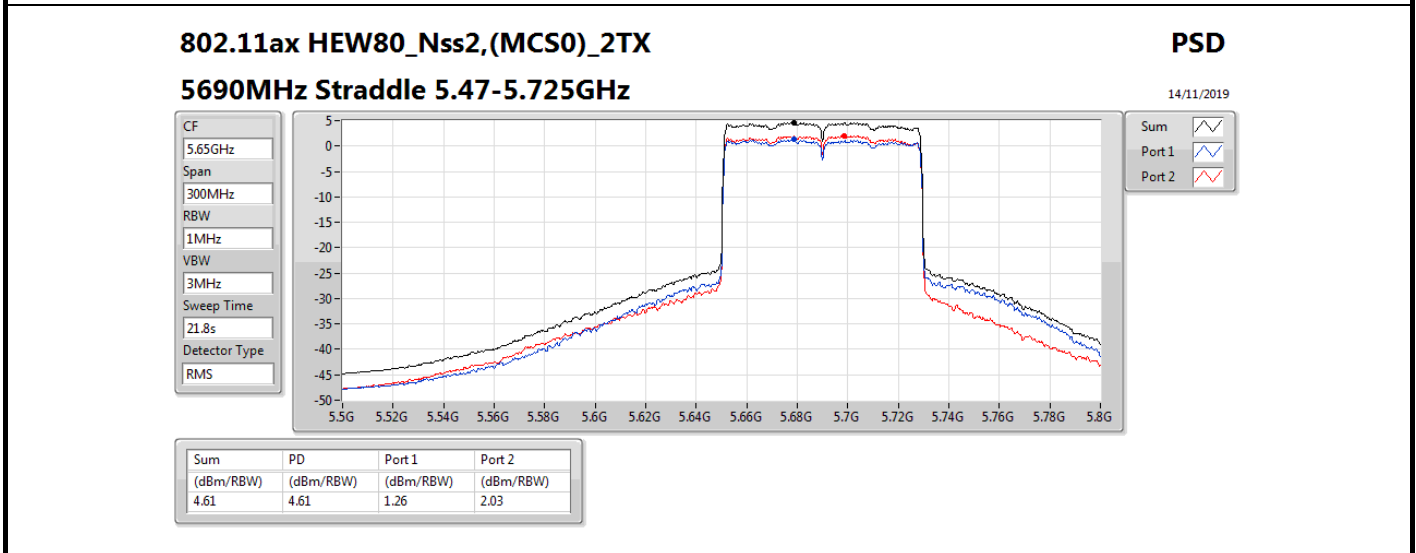
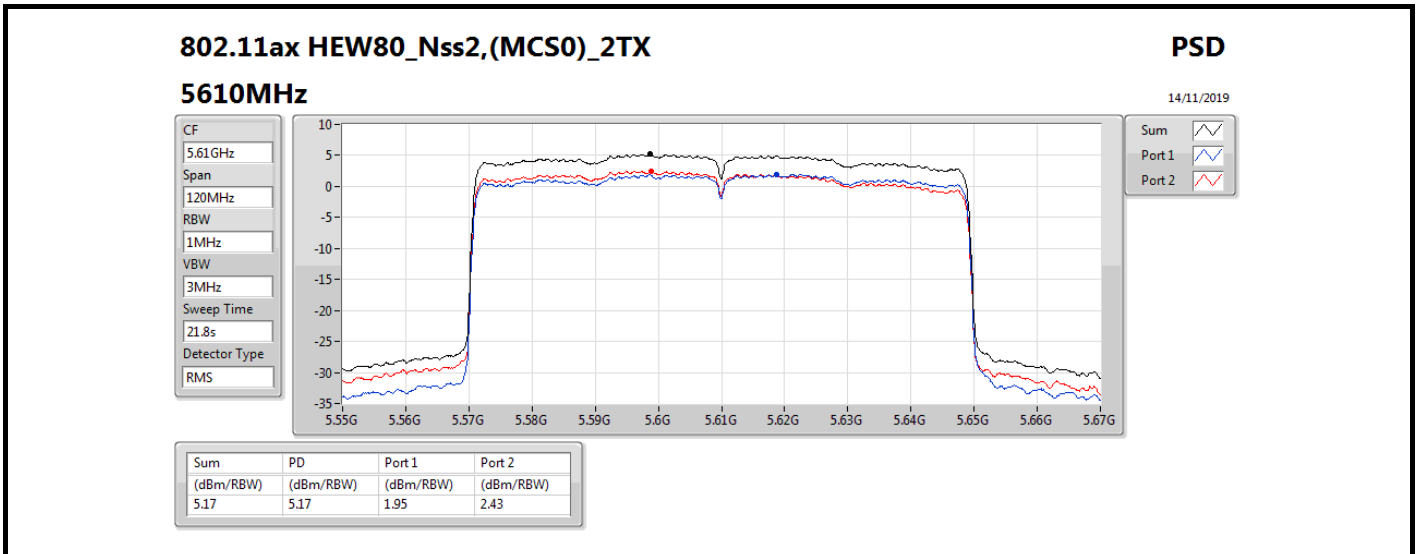
802.11ax HEW80_Nss2,(MCS0)_2TX
5530MHz

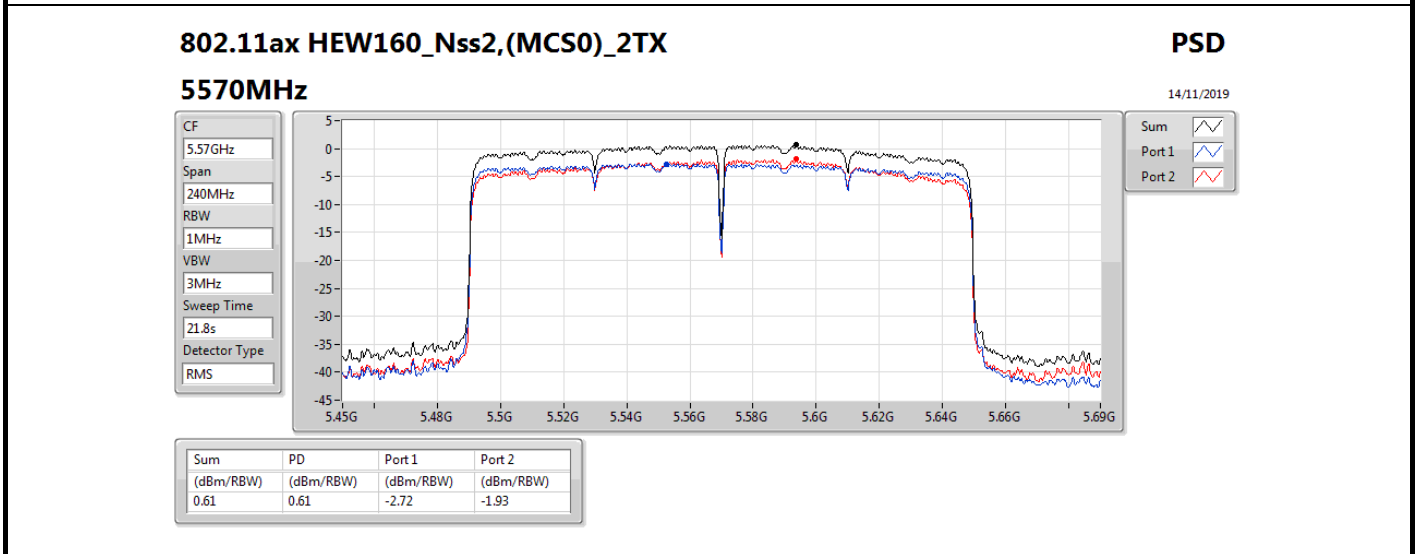
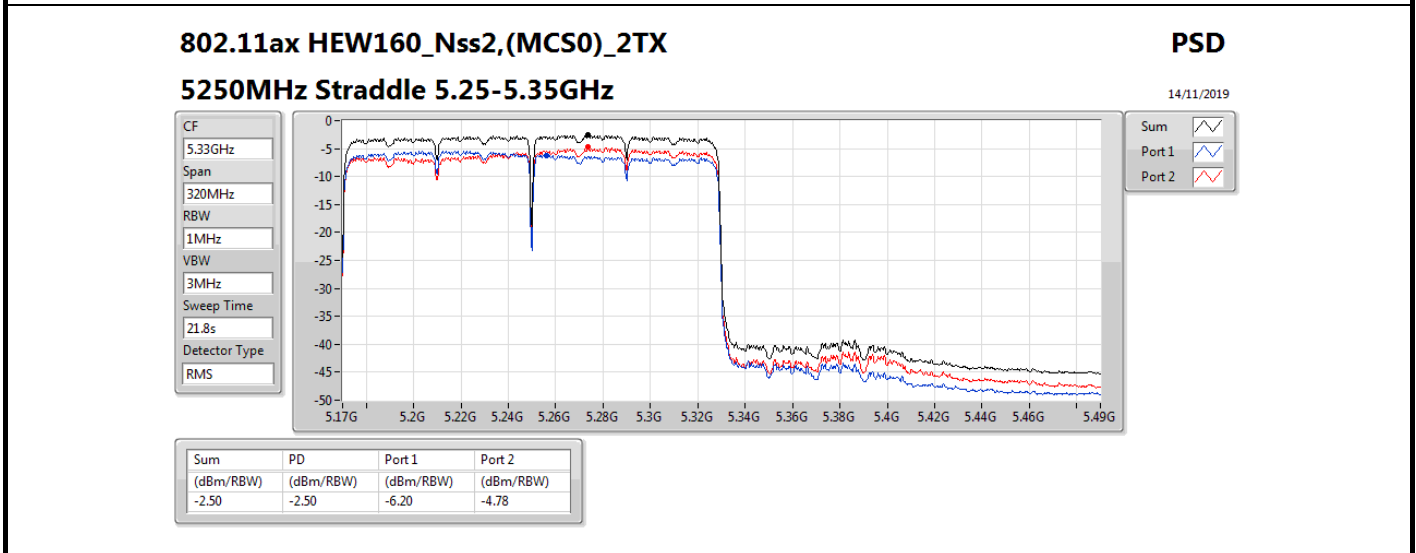
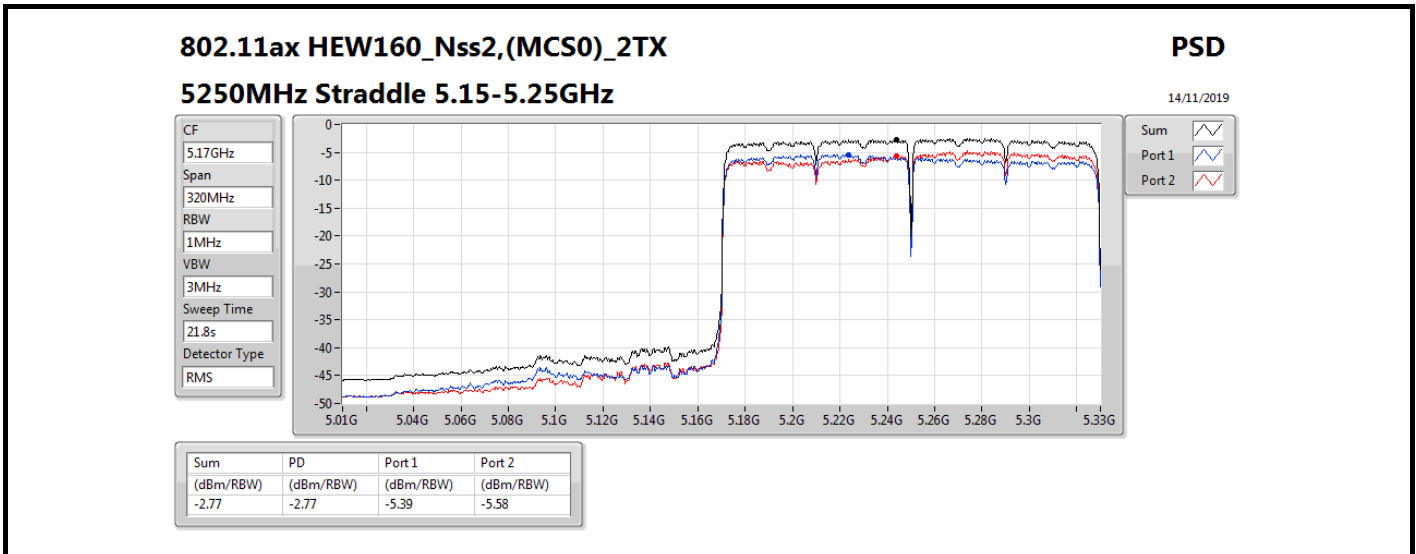
PSD

14/11/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.11	5.11	1.84	2.50







Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT160_Nss1,(MCS0)_4TX	-4.38	7.22
802.11ax HEW160_Nss1,(MCS0)_4TX	-4.43	7.17
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	5.36	16.96
802.11ac VHT20_Nss1,(MCS0)_4TX	5.36	16.96
802.11ac VHT40_Nss1,(MCS0)_4TX	5.19	16.79
802.11ac VHT80_Nss1,(MCS0)_4TX	3.93	15.53
802.11ac VHT160_Nss1,(MCS0)_4TX	-4.40	7.20
802.11ax HEW20_Nss1,(MCS0)_4TX	5.39	16.99
802.11ax HEW40_Nss1,(MCS0)_4TX	5.20	16.80
802.11ax HEW80_Nss1,(MCS0)_4TX	4.15	15.75
802.11ax HEW160_Nss1,(MCS0)_4TX	-4.33	7.27
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	5.37	16.97
802.11ac VHT20_Nss1,(MCS0)_4TX	5.31	16.91
802.11ac VHT40_Nss1,(MCS0)_4TX	5.22	16.82
802.11ac VHT80_Nss1,(MCS0)_4TX	4.48	16.08
802.11ac VHT160_Nss1,(MCS0)_4TX	-2.08	9.52
802.11ax HEW20_Nss1,(MCS0)_4TX	5.29	16.89
802.11ax HEW40_Nss1,(MCS0)_4TX	5.27	16.87
802.11ax HEW80_Nss1,(MCS0)_4TX	4.70	16.30
802.11ax HEW160_Nss1,(MCS0)_4TX	-1.93	9.67
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	3.59	15.19
802.11ac VHT20_Nss1,(MCS0)_4TX	3.34	14.94
802.11ac VHT40_Nss1,(MCS0)_4TX	2.74	14.34
802.11ac VHT80_Nss1,(MCS0)_4TX	1.59	13.19
802.11ax HEW20_Nss1,(MCS0)_4TX	3.34	14.94
802.11ax HEW40_Nss1,(MCS0)_4TX	2.84	14.44
802.11ax HEW80_Nss1,(MCS0)_4TX	1.87	13.47

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



Result

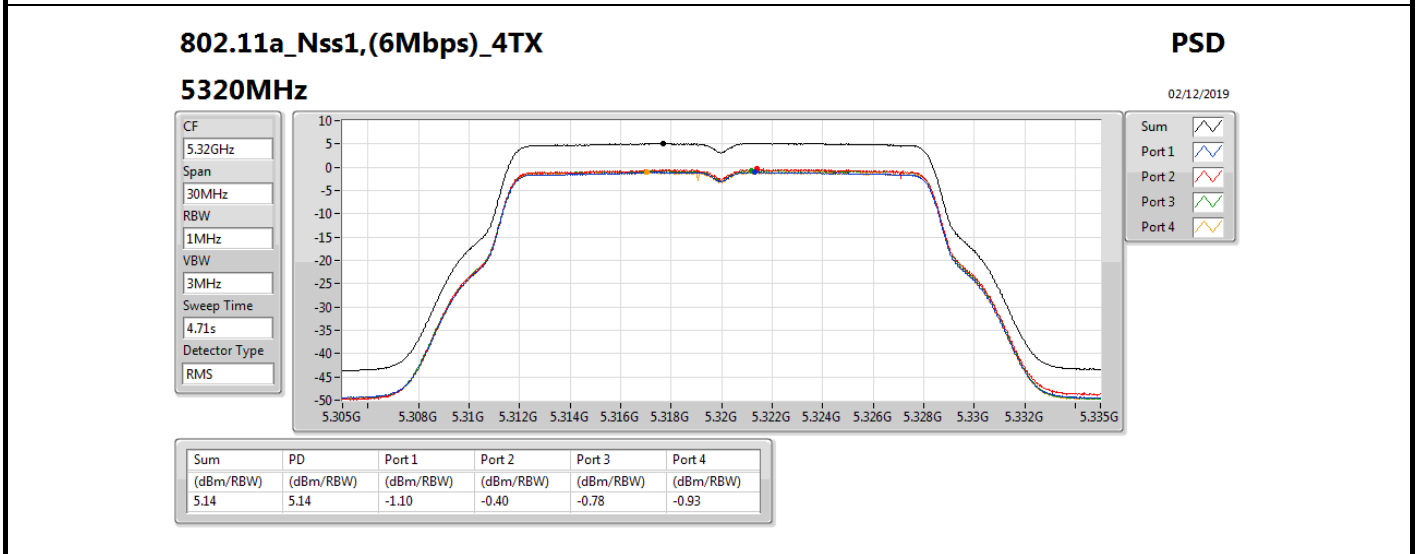
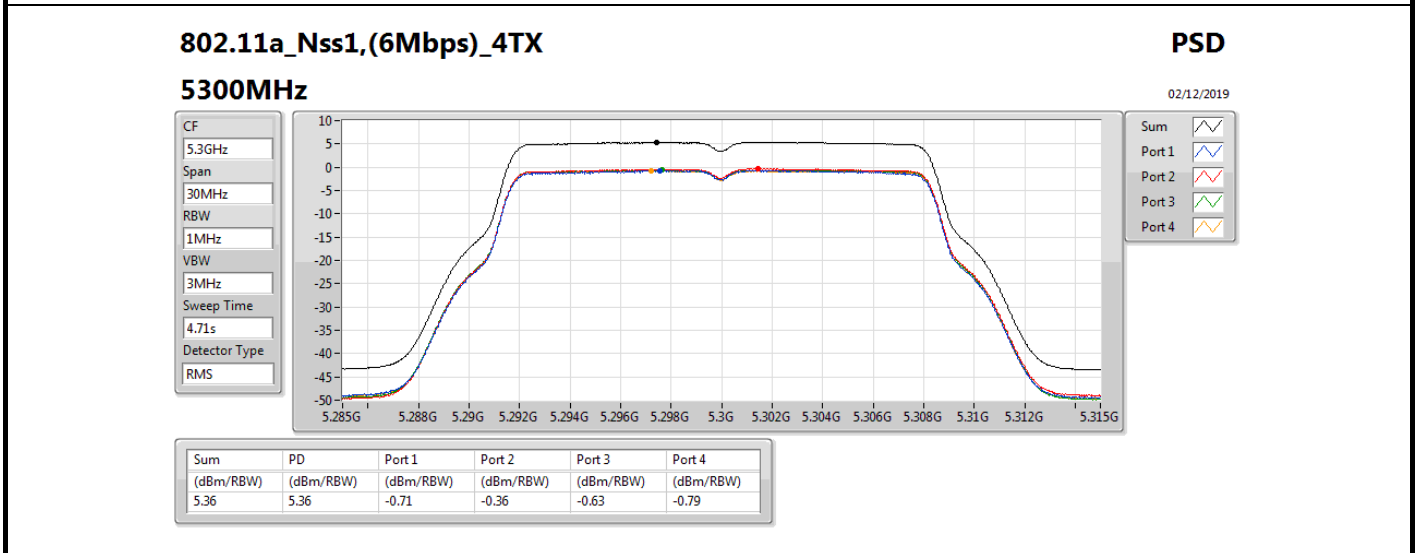
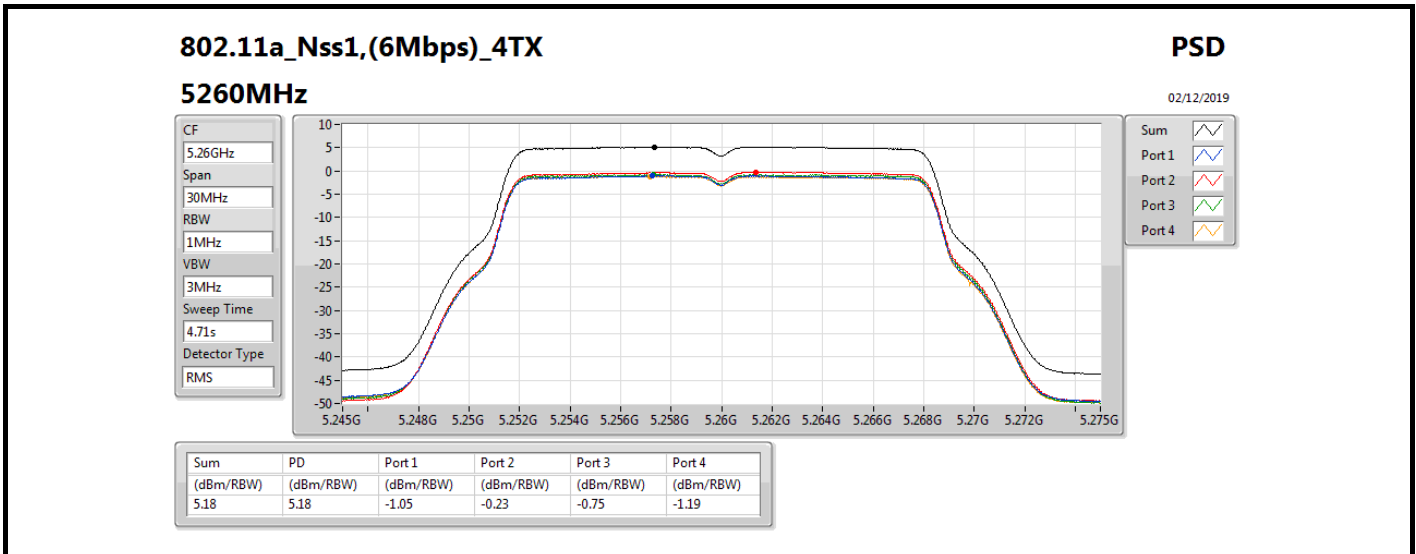
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	11.60	-1.05	-0.23	-0.75	-1.19	5.18	5.40	16.78	17.00
5300MHz_TnomVnom	Pass	11.60	-0.71	-0.36	-0.63	-0.79	5.36	5.40	16.96	17.00
5320MHz_TnomVnom	Pass	11.60	-1.10	-0.40	-0.78	-0.93	5.14	5.40	16.74	17.00
5500MHz_TnomVnom	Pass	11.60	-0.89	-0.49	-0.38	-1.38	5.24	5.40	16.84	17.00
5580MHz_TnomVnom	Pass	11.60	-0.78	-0.39	-0.41	-0.96	5.37	5.40	16.97	17.00
5700MHz_TnomVnom	Pass	11.60	-1.02	-0.85	-0.63	-0.79	5.15	5.40	16.75	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.60	-0.65	-0.65	-0.54	-0.85	5.33	5.40	16.93	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.60	-2.59	-2.47	-2.29	-2.32	3.59	24.40	15.19	36.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	11.60	-0.75	-0.18	-0.60	-0.70	5.36	5.40	16.96	17.00
5300MHz_TnomVnom	Pass	11.60	-0.93	-0.30	-0.53	-0.75	5.35	5.40	16.95	17.00
5320MHz_TnomVnom	Pass	11.60	-1.13	-0.48	-0.59	-0.84	5.19	5.40	16.79	17.00
5500MHz_TnomVnom	Pass	11.60	-1.03	-0.35	-0.37	-0.94	5.31	5.40	16.91	17.00
5580MHz_TnomVnom	Pass	11.60	-0.96	-0.51	-0.58	-1.10	5.18	5.40	16.78	17.00
5700MHz_TnomVnom	Pass	11.60	-0.99	-0.69	-0.64	-0.61	5.19	5.40	16.79	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.60	-0.94	-0.88	-0.71	-0.75	5.13	5.40	16.73	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.60	-3.03	-2.78	-2.19	-2.63	3.34	24.40	14.94	36.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	11.60	-0.99	-0.35	-0.79	-1.12	5.19	5.40	16.79	17.00
5310MHz_TnomVnom	Pass	11.60	-1.09	-0.57	-0.73	-0.92	5.15	5.40	16.75	17.00
5510MHz_TnomVnom	Pass	11.60	-1.08	-0.52	-0.62	-1.09	5.19	5.40	16.79	17.00
5550MHz_TnomVnom	Pass	11.60	-0.98	-0.59	-0.62	-0.88	5.22	5.40	16.82	17.00
5670MHz_TnomVnom	Pass	11.60	-1.18	-0.59	-0.72	-1.02	5.03	5.40	16.63	17.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.60	-1.14	-0.69	-0.52	-0.69	5.15	5.40	16.75	17.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.60	-3.54	-3.35	-2.68	-3.26	2.74	24.40	14.34	36.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	11.60	-2.24	-1.73	-2.05	-2.30	3.93	5.40	15.53	17.00
5530MHz_TnomVnom	Pass	11.60	-2.83	-2.21	-2.33	-2.67	3.50	5.40	15.10	17.00
5610MHz_TnomVnom	Pass	11.60	-2.17	-1.46	-1.01	-1.56	4.33	5.40	15.93	17.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.60	-1.83	-1.30	-1.05	-1.37	4.48	5.40	16.08	17.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.60	-4.73	-4.93	-3.64	-4.48	1.59	24.40	13.19	36.00
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz_TnomVnom	Pass	11.60	-10.55	-10.32	-10.31	-10.29	-4.38	11.40	7.22	23.00
5250MHz Straddle 5.25-5.35GHz_TnomVnom	Pass	11.60	-10.64	-10.41	-10.20	-10.31	-4.40	5.40	7.20	17.00
5570MHz_TnomVnom	Pass	11.60	-8.85	-7.62	-7.75	-7.94	-2.08	5.40	9.52	17.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	11.60	-0.87	-0.22	-0.52	-0.75	5.39	5.40	16.99	17.00
5300MHz_TnomVnom	Pass	11.60	-0.86	-0.42	-0.46	-0.74	5.37	5.40	16.97	17.00
5320MHz_TnomVnom	Pass	11.60	-0.94	-0.60	-0.74	-0.86	5.20	5.40	16.80	17.00
5500MHz_TnomVnom	Pass	11.60	-0.81	-0.41	-0.46	-1.17	5.29	5.40	16.89	17.00
5580MHz_TnomVnom	Pass	11.60	-0.98	-0.59	-0.61	-1.07	5.20	5.40	16.80	17.00
5700MHz_TnomVnom	Pass	11.60	-0.79	-0.76	-0.59	-0.58	5.28	5.40	16.88	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.60	-0.89	-0.80	-0.57	-0.65	5.24	5.40	16.84	17.00

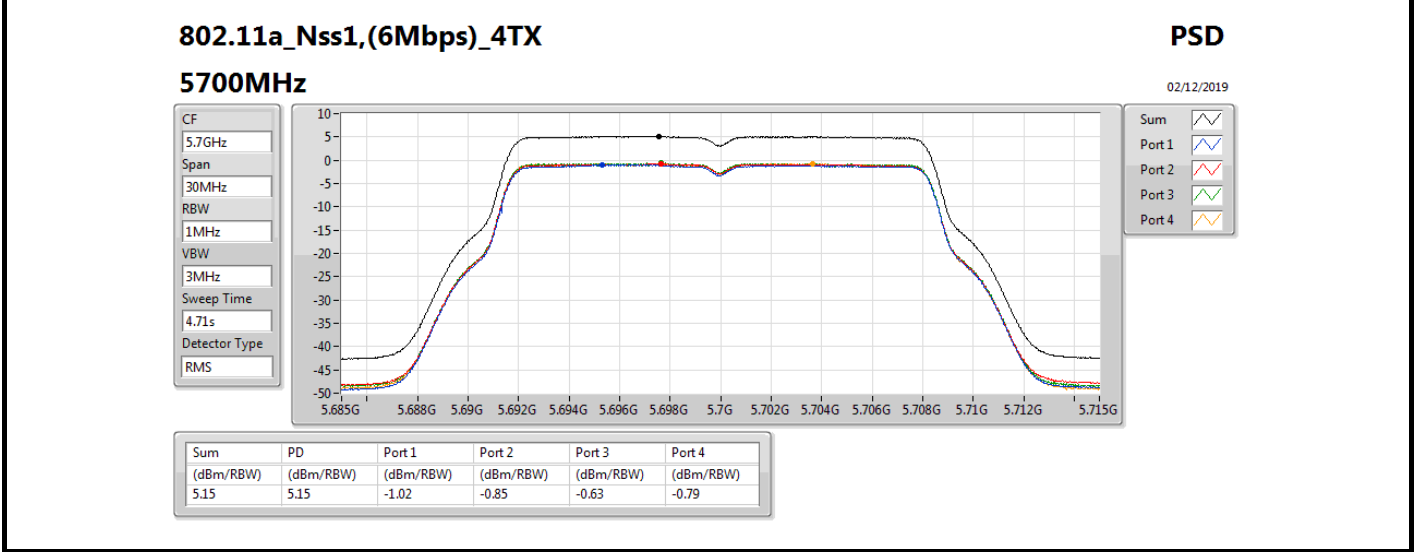
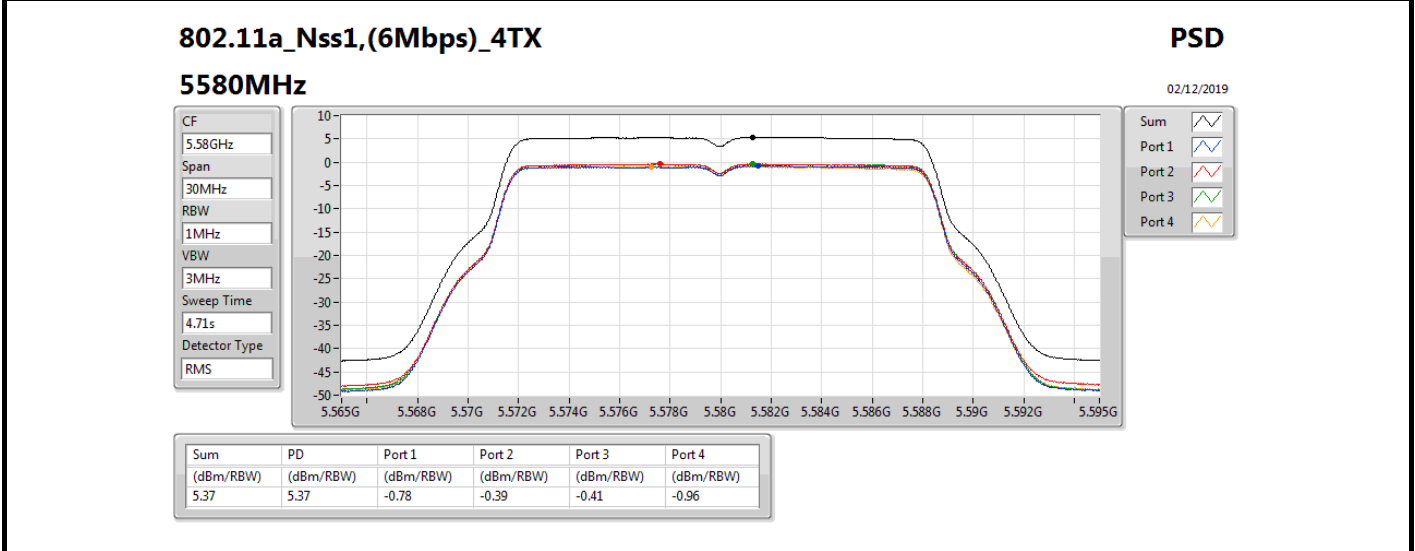
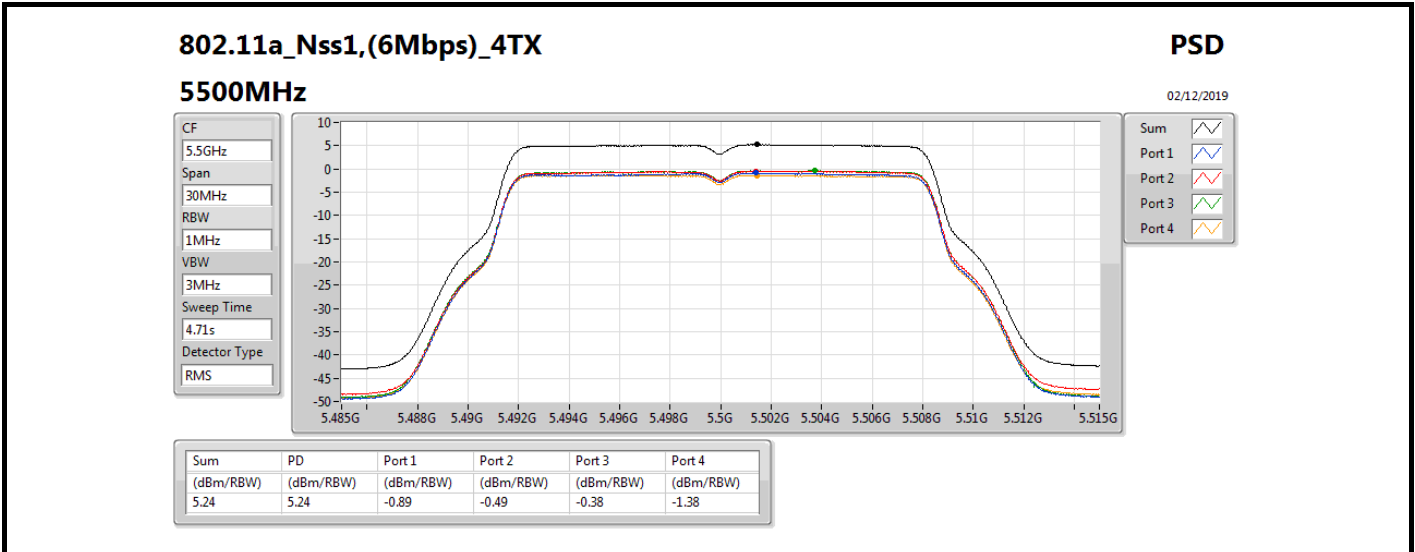


Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.60	-2.77	-2.73	-2.34	-2.68	3.34	24.40	14.94	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	11.60	-0.99	-0.41	-0.65	-1.15	5.18	5.40	16.78	17.00
5310MHz_TnomVnom	Pass	11.60	-1.02	-0.43	-0.71	-0.96	5.20	5.40	16.80	17.00
5510MHz_TnomVnom	Pass	11.60	-0.99	-0.57	-0.62	-1.10	5.12	5.40	16.72	17.00
5550MHz_TnomVnom	Pass	11.60	-0.86	-0.61	-0.56	-0.92	5.27	5.40	16.87	17.00
5670MHz_TnomVnom	Pass	11.60	-1.23	-0.70	-0.63	-0.87	5.13	5.40	16.73	17.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.60	-1.21	-0.83	-0.60	-0.60	5.16	5.40	16.76	17.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.60	-3.40	-3.37	-2.75	-3.19	2.84	24.40	14.44	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	11.60	-2.10	-1.56	-1.85	-1.91	4.15	5.40	15.75	17.00
5530MHz_TnomVnom	Pass	11.60	-2.69	-2.09	-2.21	-2.47	3.65	5.40	15.25	17.00
5610MHz_TnomVnom	Pass	11.60	-1.92	-1.23	-1.03	-1.26	4.55	5.40	16.15	17.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	11.60	-1.71	-1.13	-0.86	-1.09	4.70	5.40	16.30	17.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	11.60	-4.21	-4.73	-3.24	-4.48	1.87	24.40	13.47	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz_TnomVnom	Pass	11.60	-10.35	-10.44	-10.39	-10.40	-4.43	11.40	7.17	23.00
5250MHz Straddle 5.25-5.35GHz_TnomVnom	Pass	11.60	-10.45	-10.32	-10.24	-10.34	-4.33	5.40	7.27	17.00
5570MHz_TnomVnom	Pass	11.60	-8.76	-7.50	-7.69	-7.76	-1.93	5.40	9.67	17.00

DG = Directional Gain; RBW = 500 kHz 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;

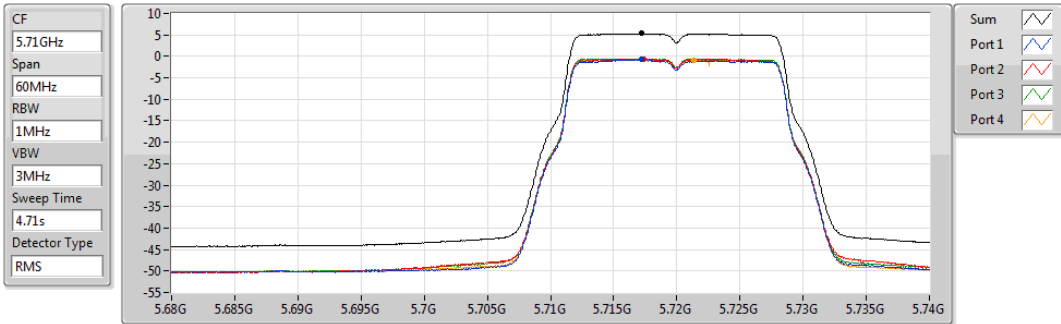




802.11a_Nss1,(6Mbps)_4TX
5720MHz Straddle 5.47-5.725GHz

PSD

02/12/2019

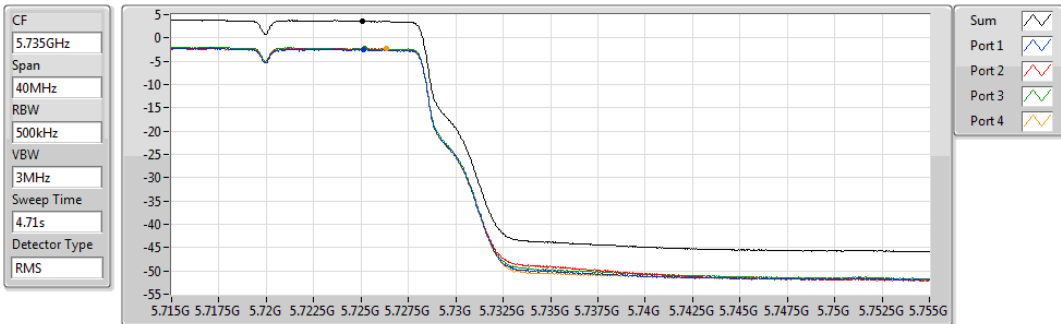


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.33	5.33	-0.65	-0.65	-0.54	-0.85

802.11a_Nss1,(6Mbps)_4TX
5720MHz Straddle 5.725-5.85GHz

PSD

02/12/2019

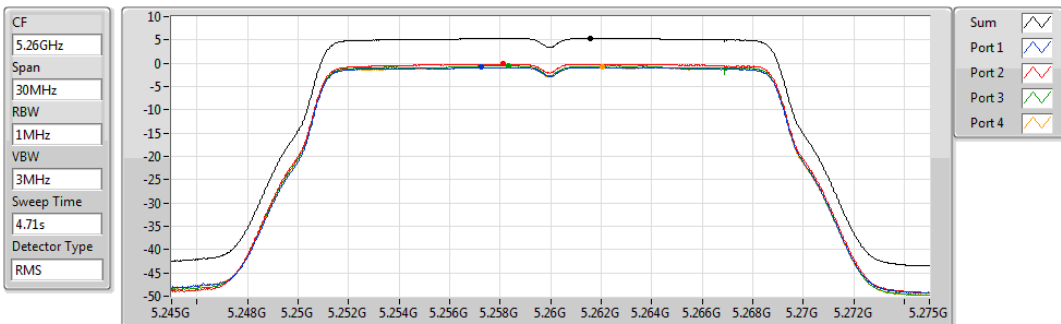


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.59	3.59	-2.59	-2.47	-2.29	-2.32

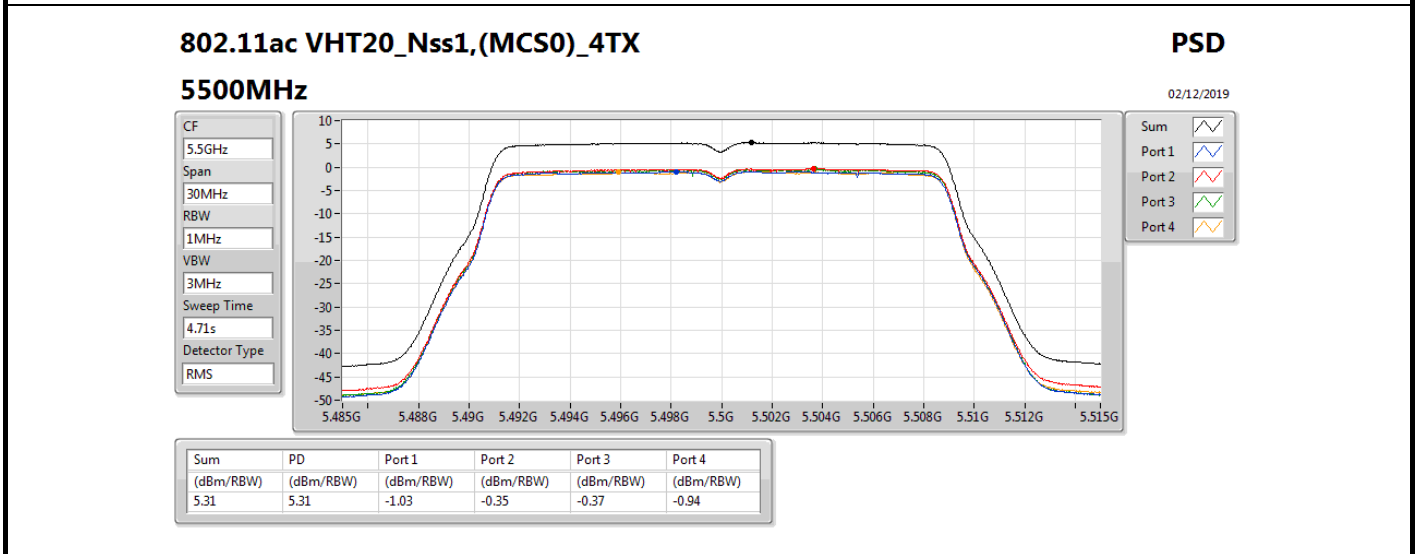
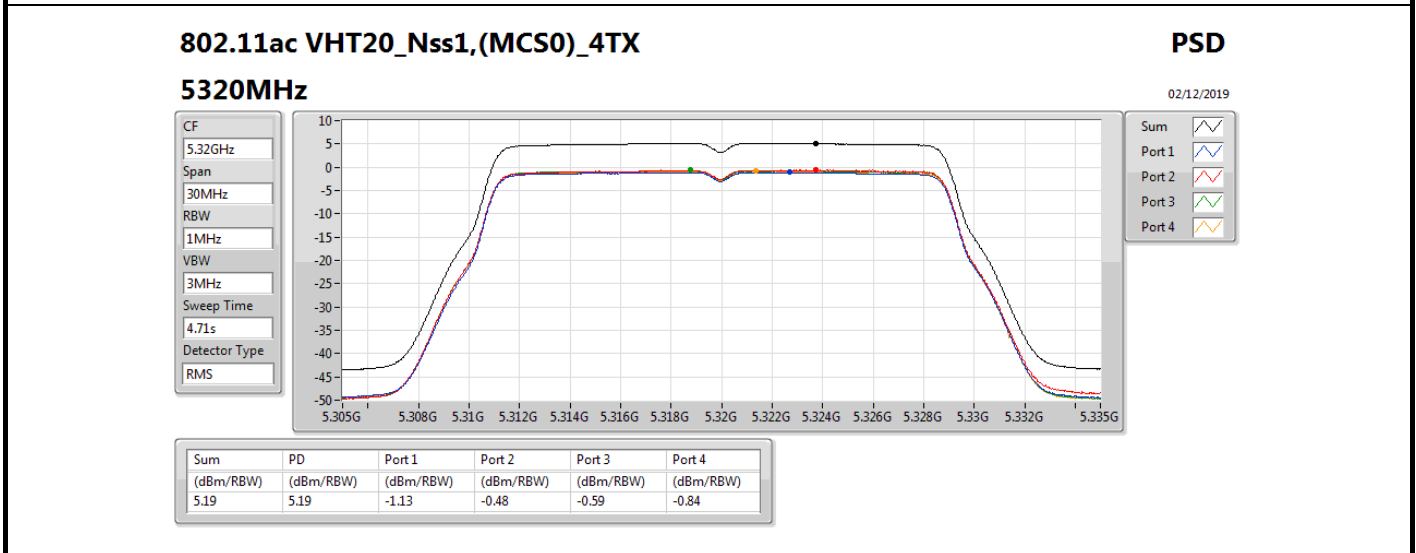
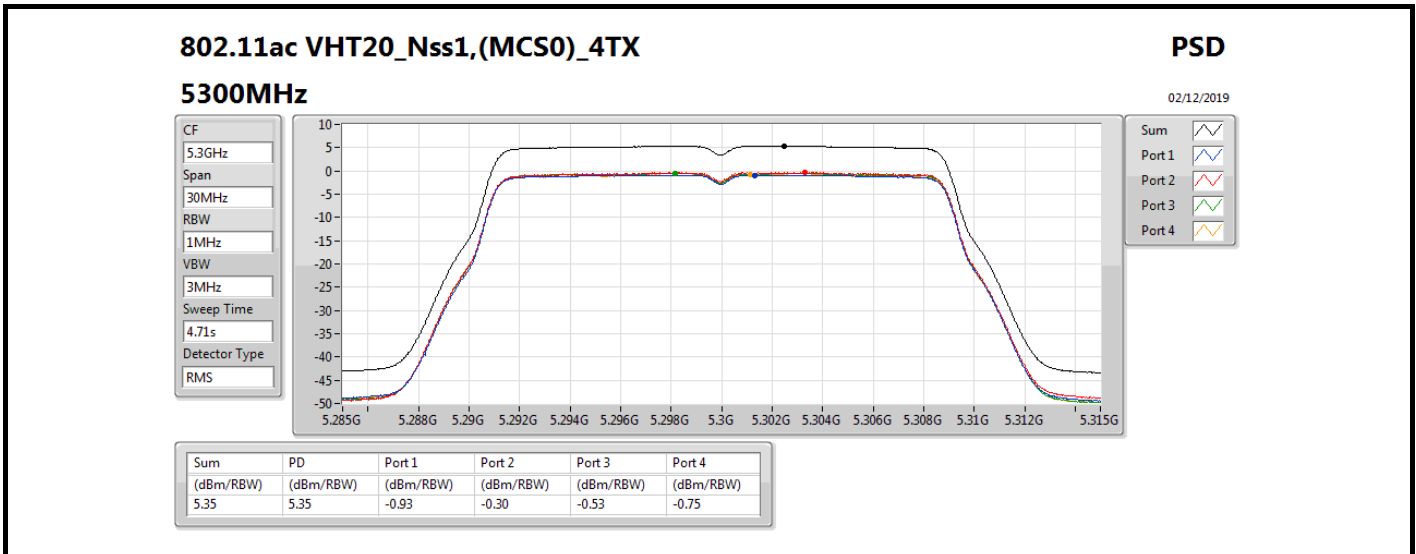
802.11ac VHT20_Nss1,(MCS0)_4TX
5260MHz

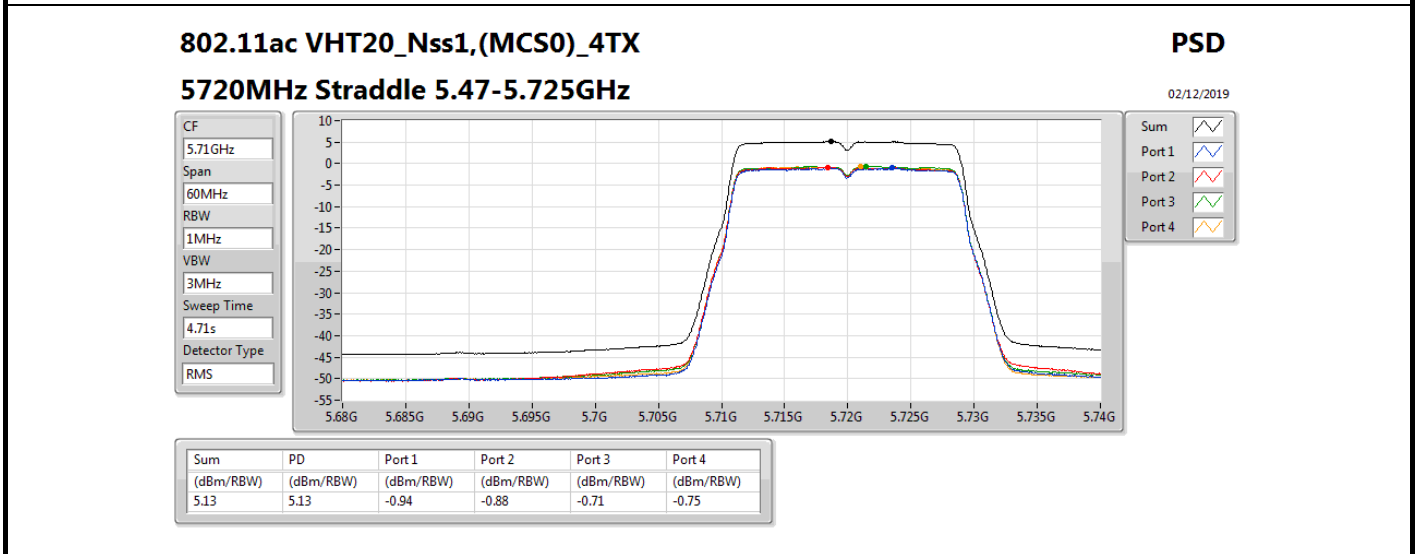
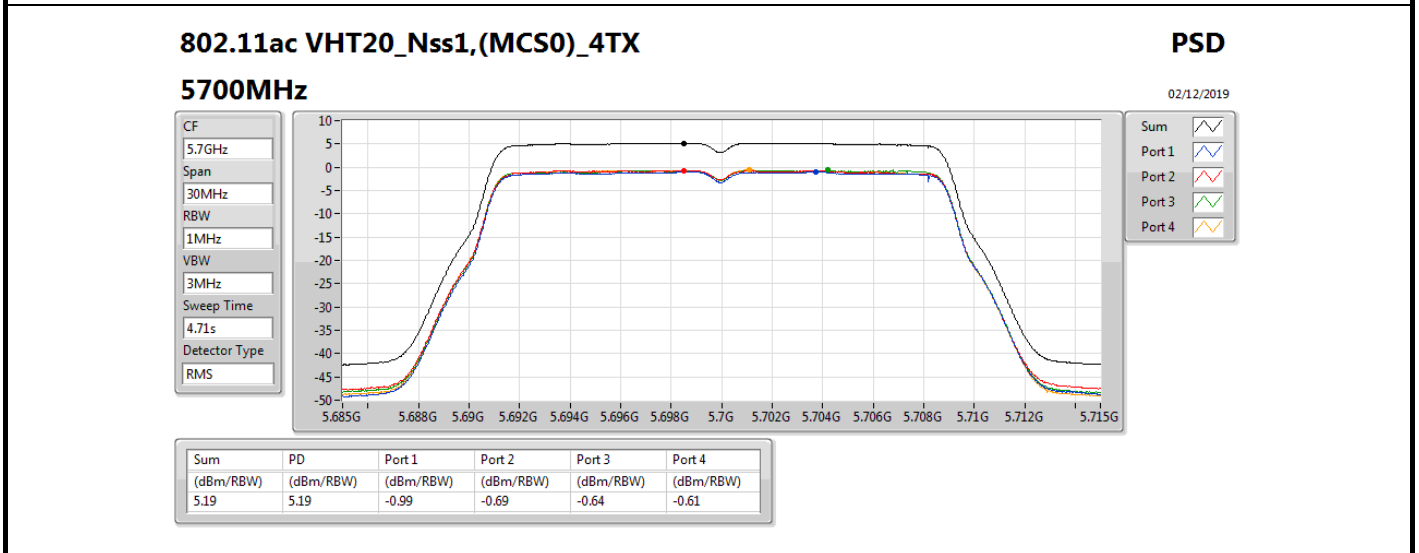
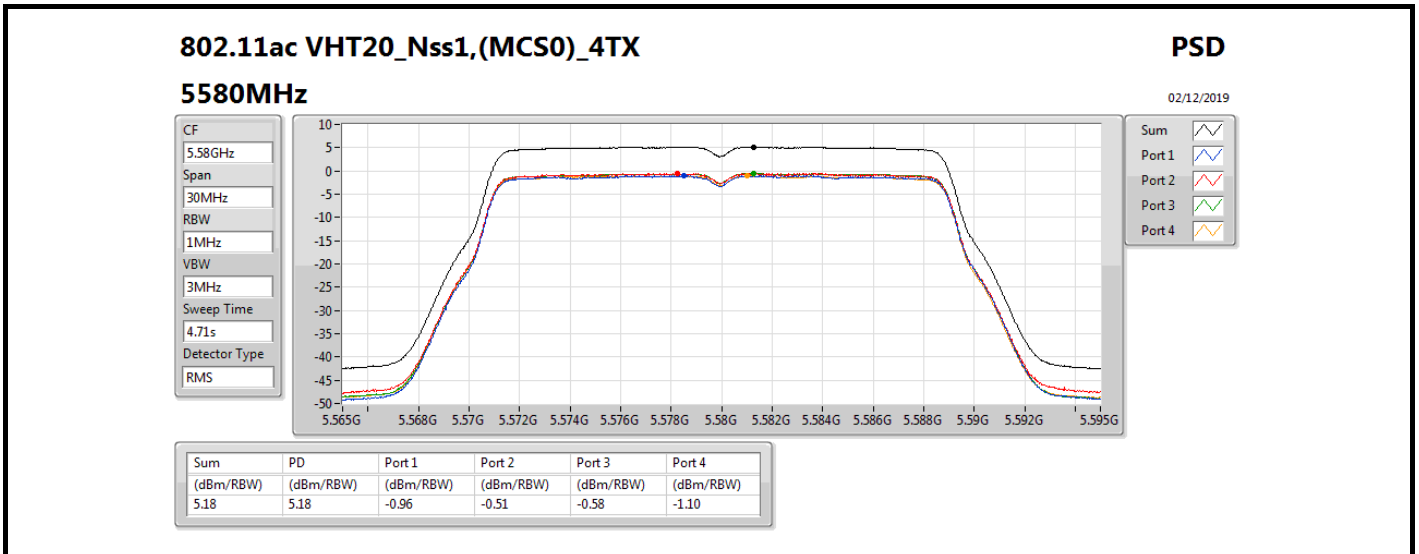
PSD

02/12/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.36	5.36	-0.75	-0.18	-0.60	-0.70





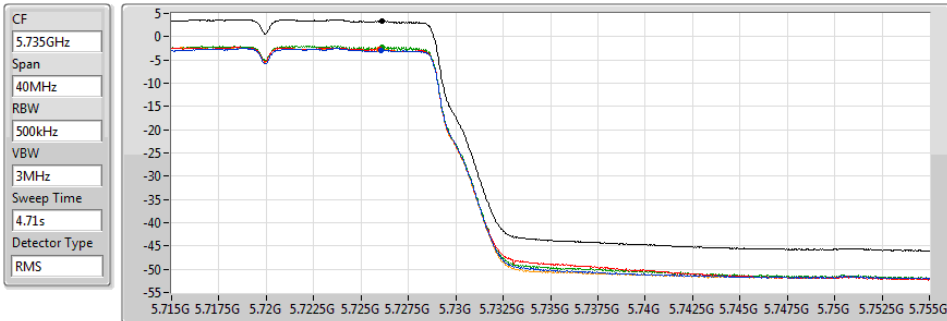


802.11ac VHT20_Nss1,(MCS0)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

02/12/2019



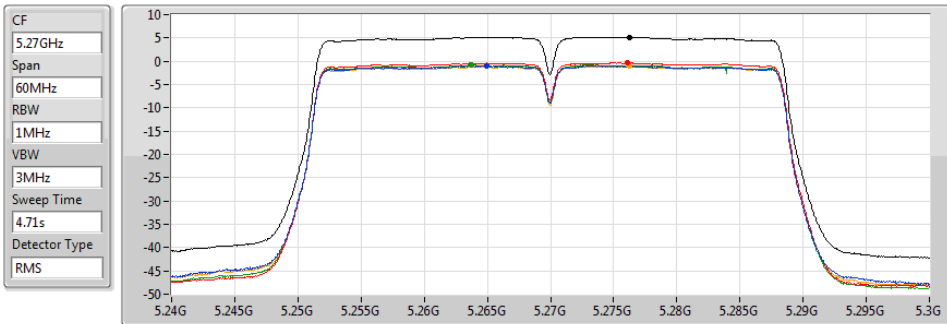
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.34	3.34	-3.03	-2.78	-2.19	-2.63

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz

PSD

02/12/2019



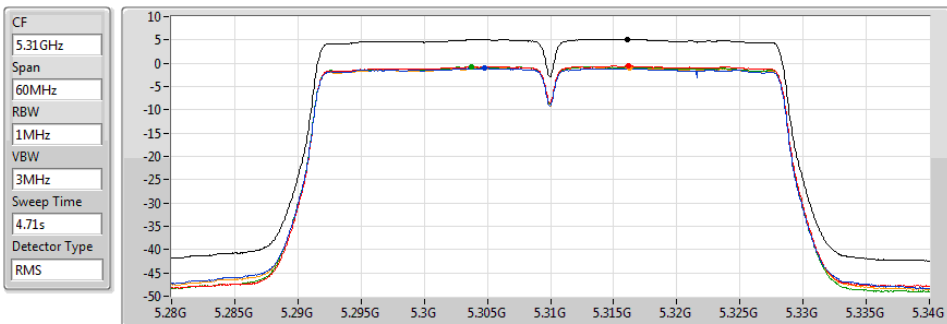
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.19	5.19	-0.99	-0.35	-0.79	-1.12

802.11ac VHT40_Nss1,(MCS0)_4TX

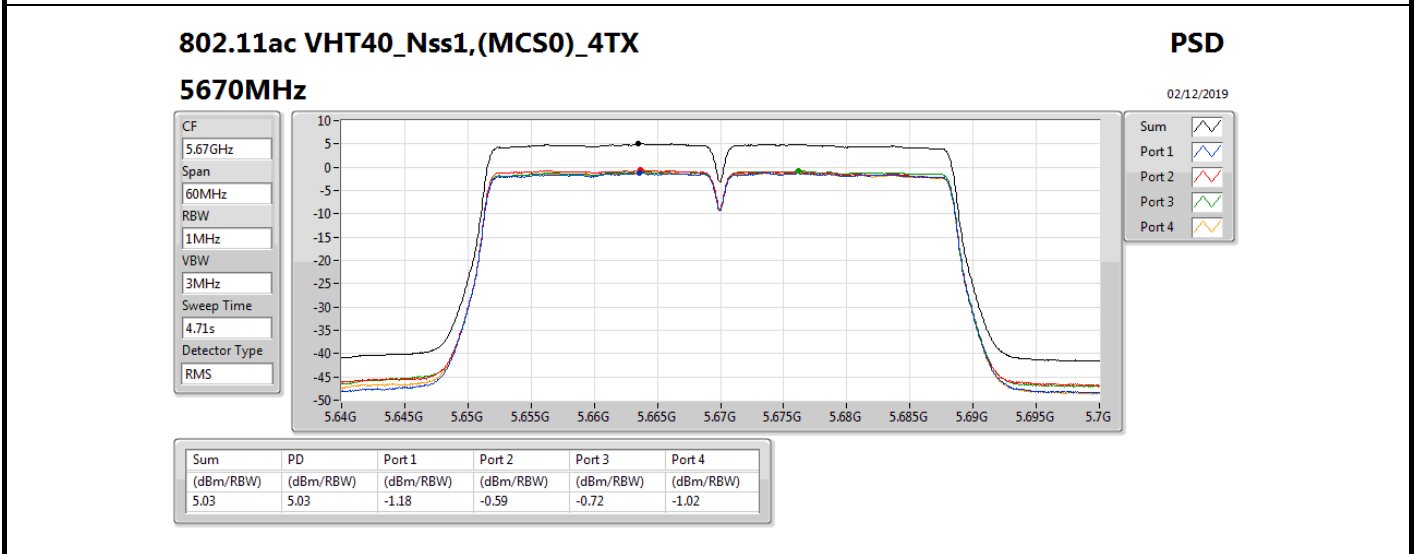
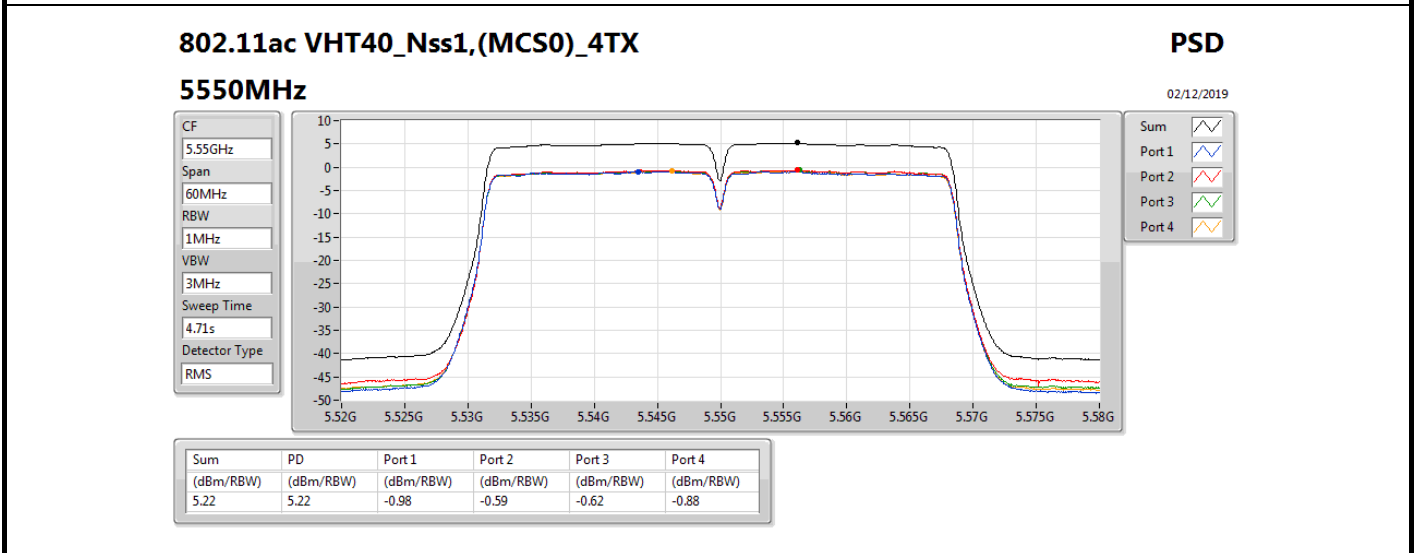
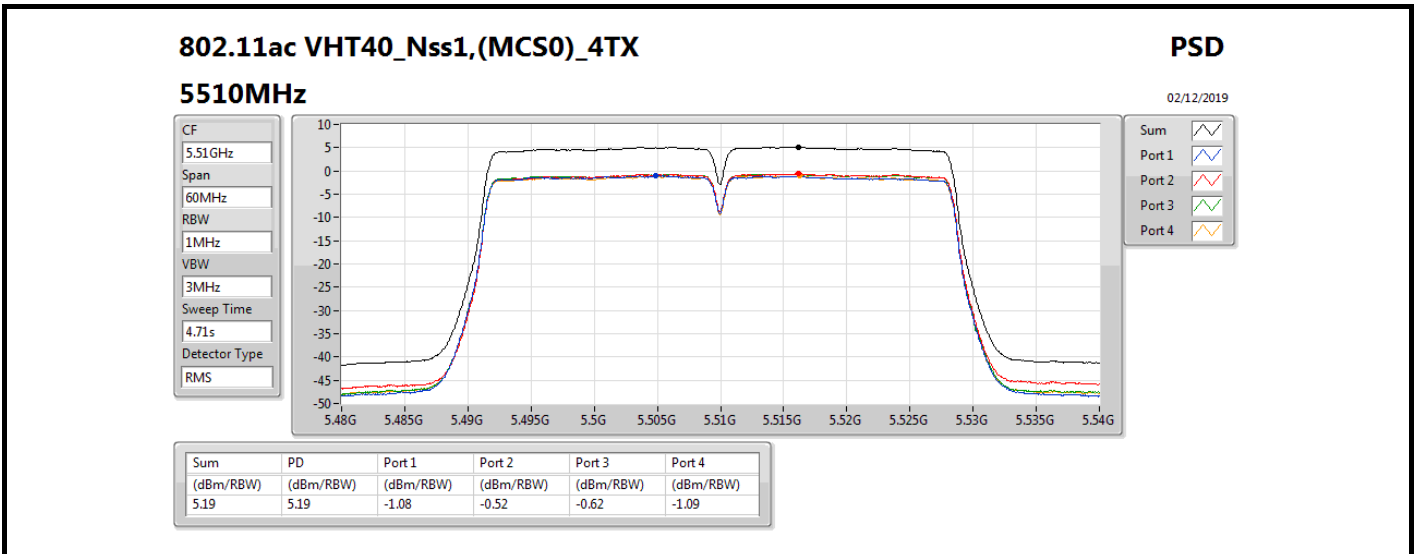
5310MHz

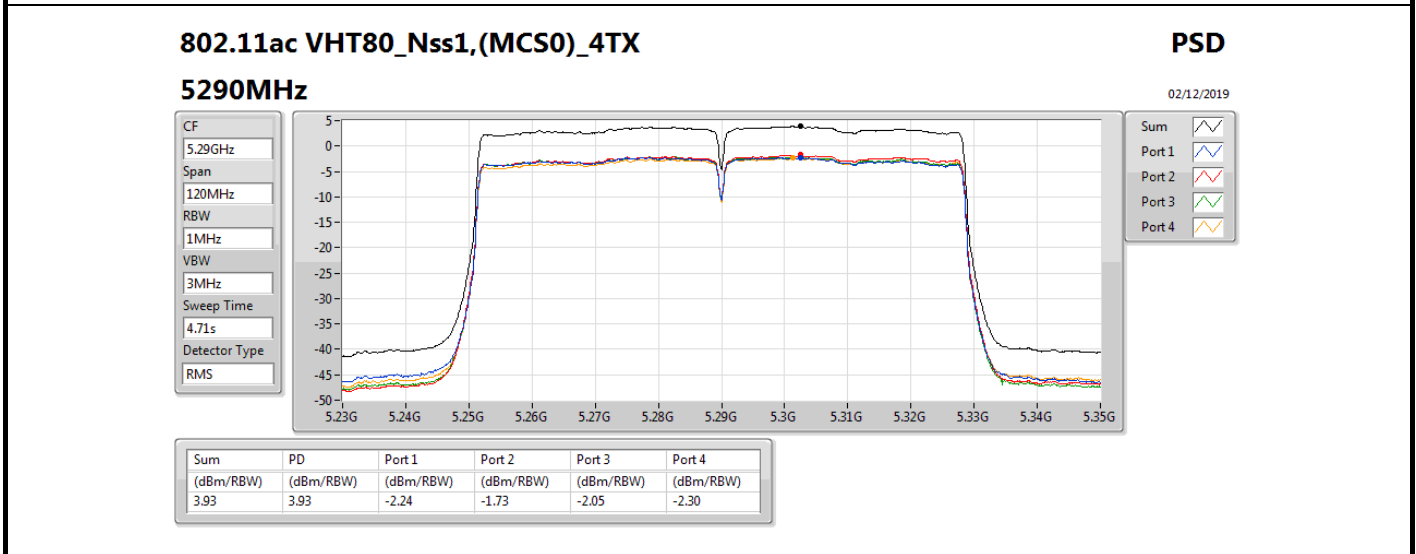
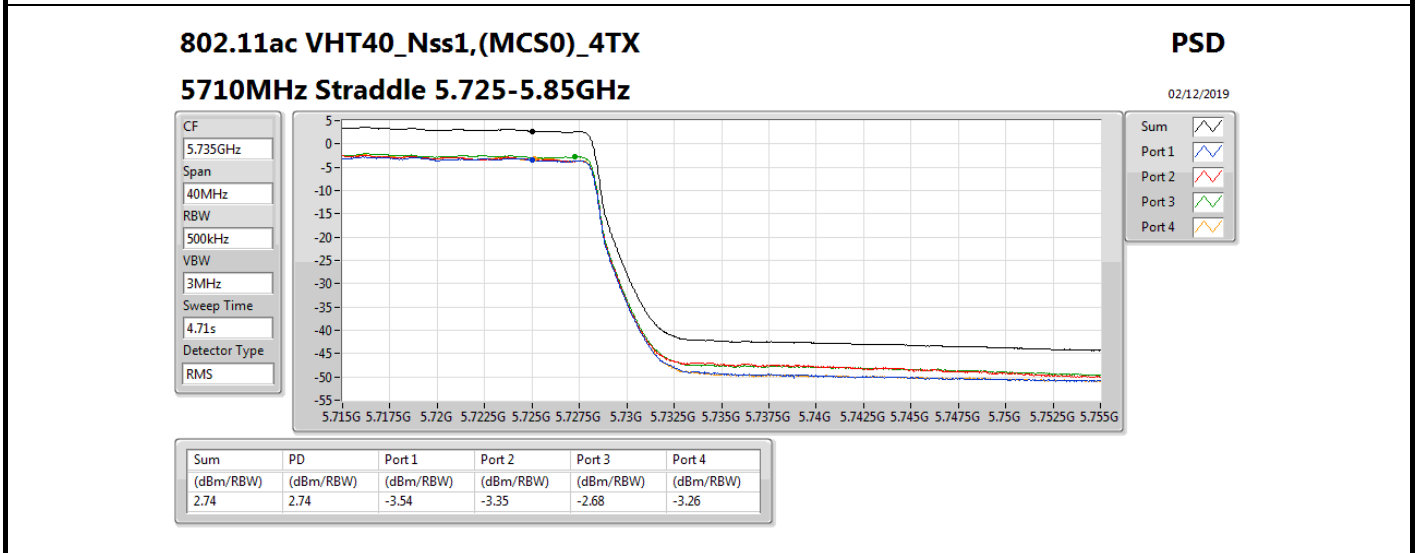
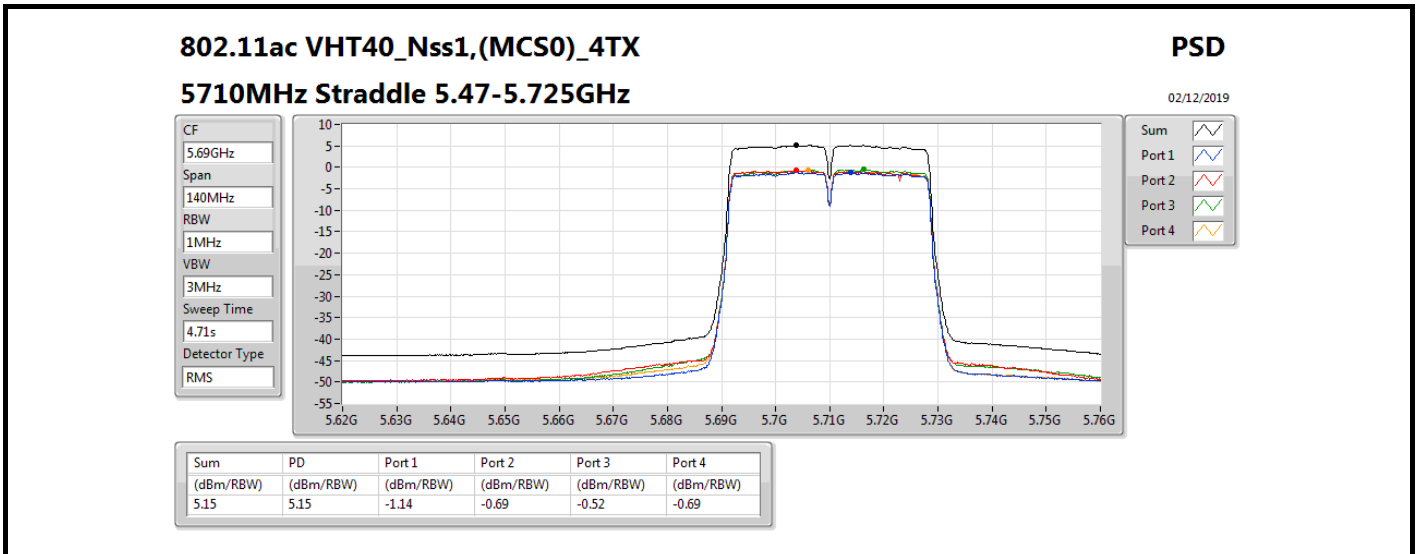
PSD

02/12/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.15	5.15	-1.09	-0.57	-0.73	-0.92



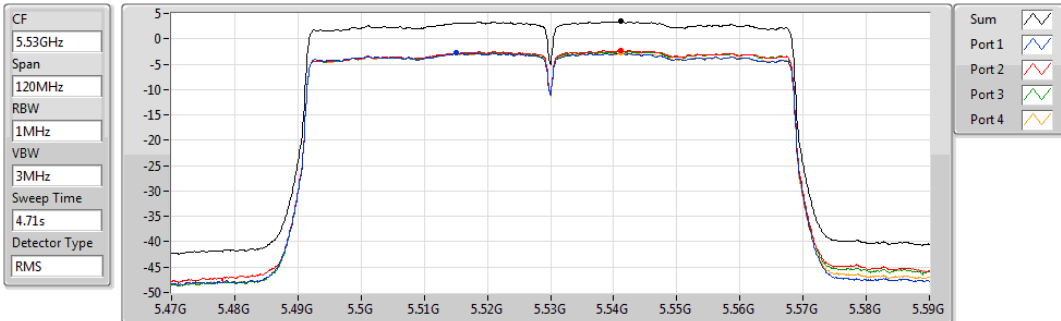


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5530MHz

02/12/2019



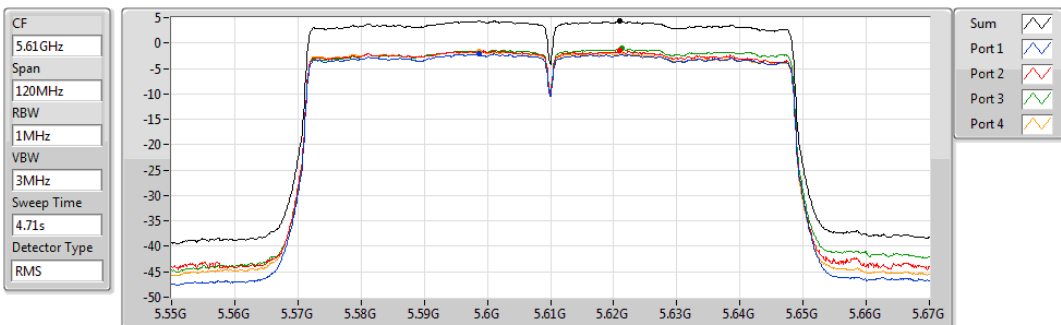
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.50	3.50	-2.83	-2.21	-2.33	-2.67

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5610MHz

02/12/2019



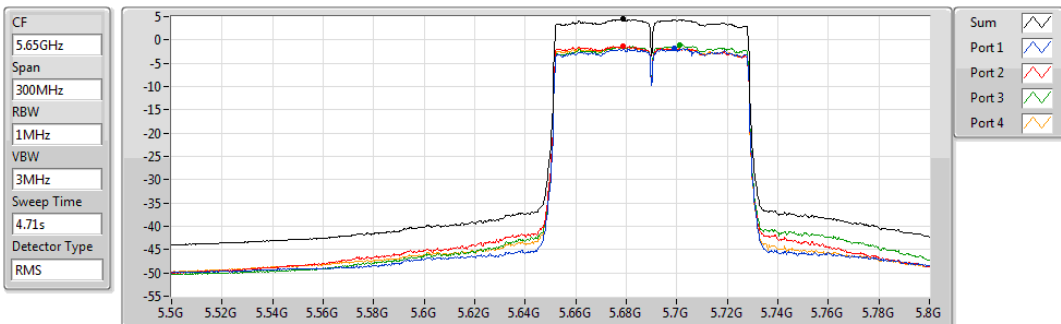
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.33	4.33	-2.17	-1.46	-1.01	-1.56

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

02/12/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.48	4.48	-1.83	-1.30	-1.05	-1.37

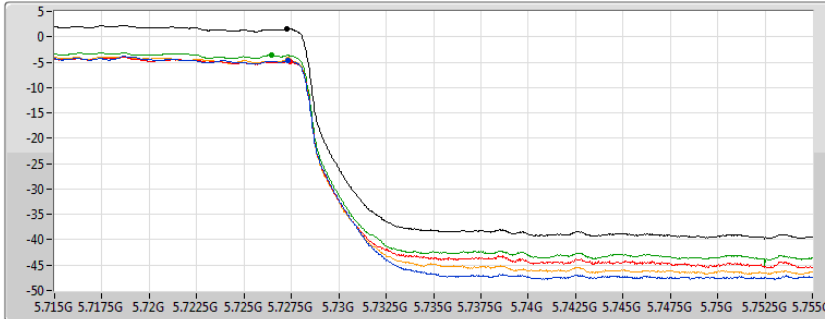
802.11ac VHT80_Nss1,(MCS0)_4TX

5690MHz Straddle 5.725-5.85GHz

PSD

02/12/2019

CF
5.735GHz
Span
40MHz
RBW
500kHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.59	1.59	-4.73	-4.93	-3.64	-4.48

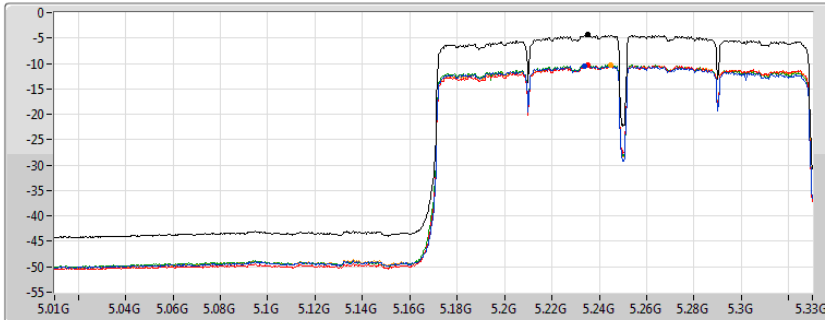
802.11ac VHT160_Nss1,(MCS0)_4TX

5250MHz Straddle 5.15-5.25GHz

PSD

02/12/2019

CF
5.17GHz
Span
320MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.38	-4.38	-10.55	-10.32	-10.31	-10.29

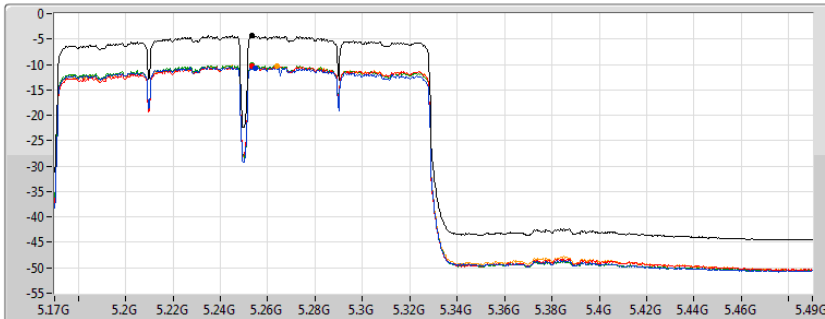
802.11ac VHT160_Nss1,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz

PSD

02/12/2019

CF
5.33GHz
Span
320MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.40	-4.40	-10.64	-10.41	-10.20	-10.31

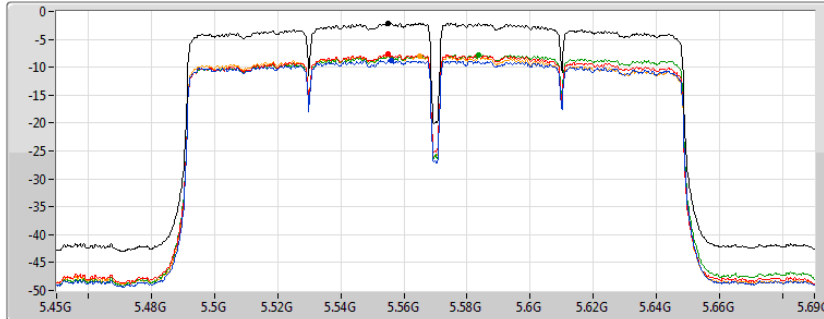
802.11ac VHT160_Nss1,(MCS0)_4TX

PSD

5570MHz

02/12/2019

CF
5.57GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.08	-2.08	-8.85	-7.62	-7.75	-7.94

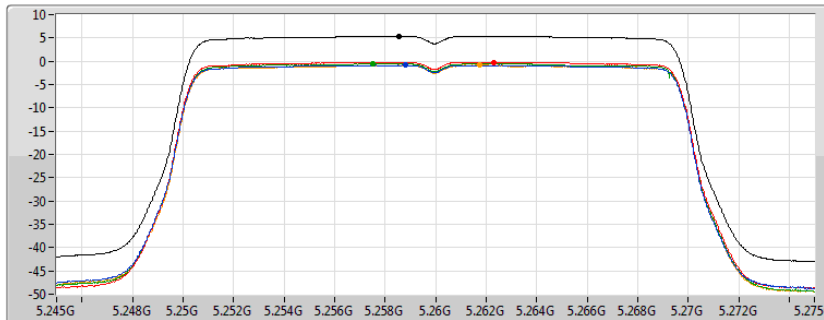
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5260MHz

02/12/2019

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.39	5.39	-0.87	-0.22	-0.52	-0.75

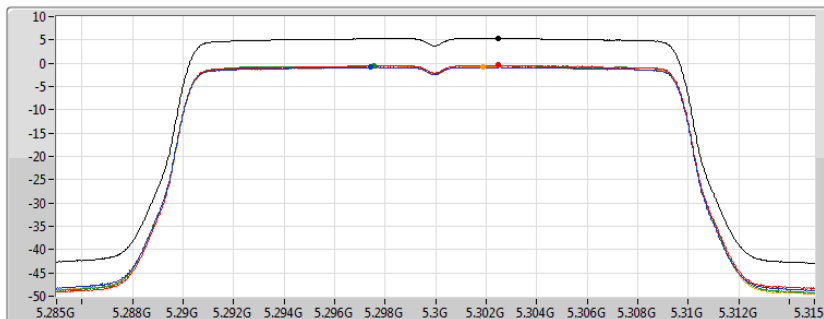
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5300MHz

02/12/2019

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.37	5.37	-0.86	-0.42	-0.46	-0.74

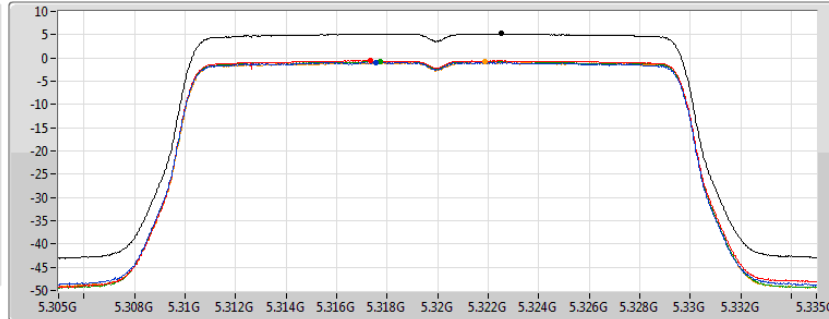
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

02/12/2019

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.20	5.20	-0.94	-0.60	-0.74	-0.86

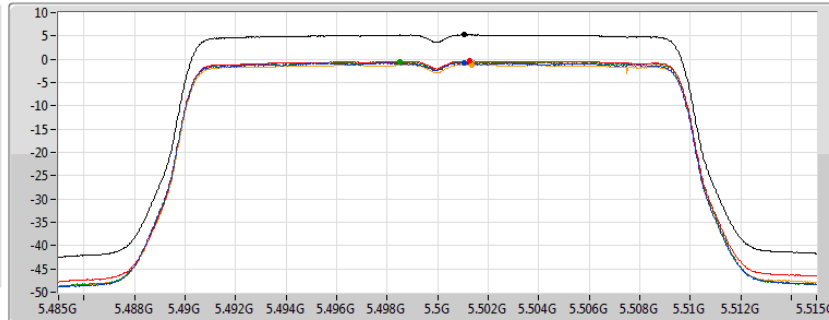
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

02/12/2019

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.29	5.29	-0.81	-0.41	-0.46	-1.17

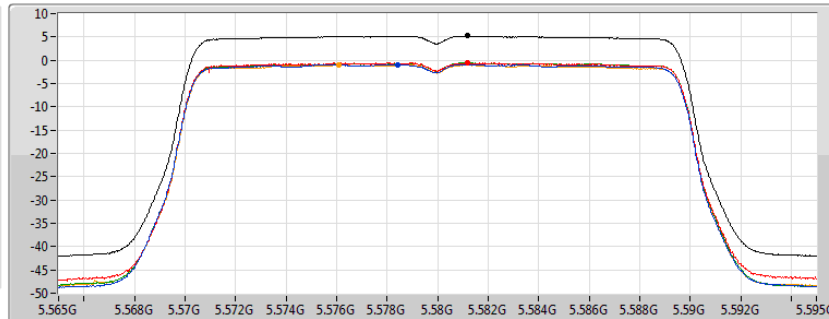
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

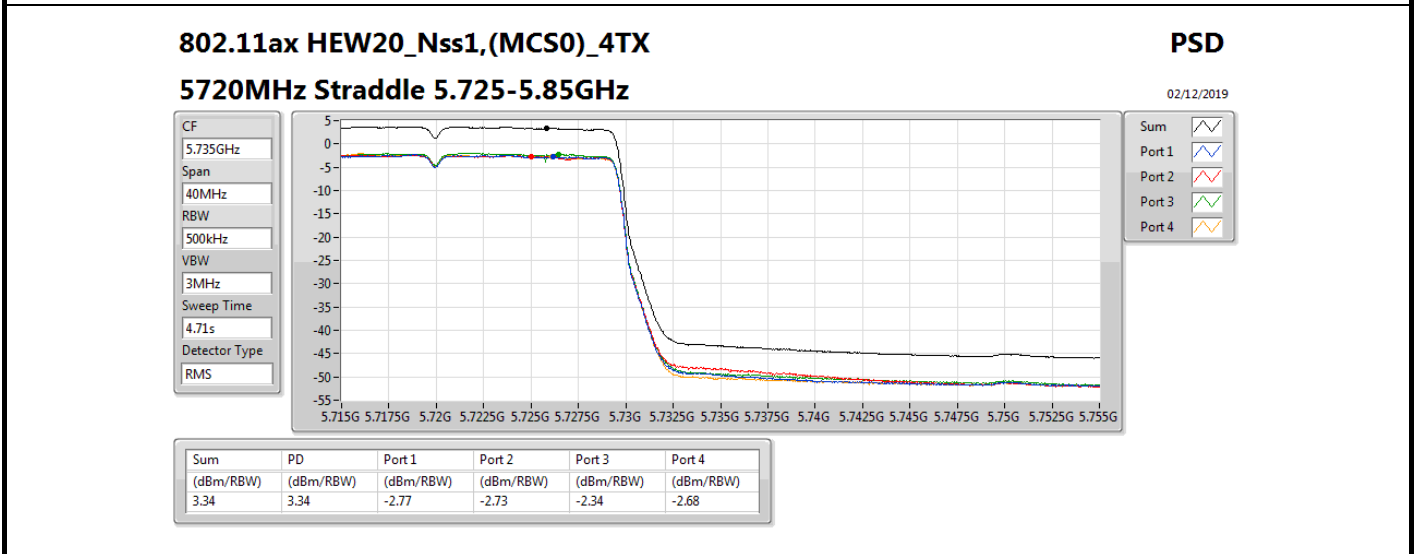
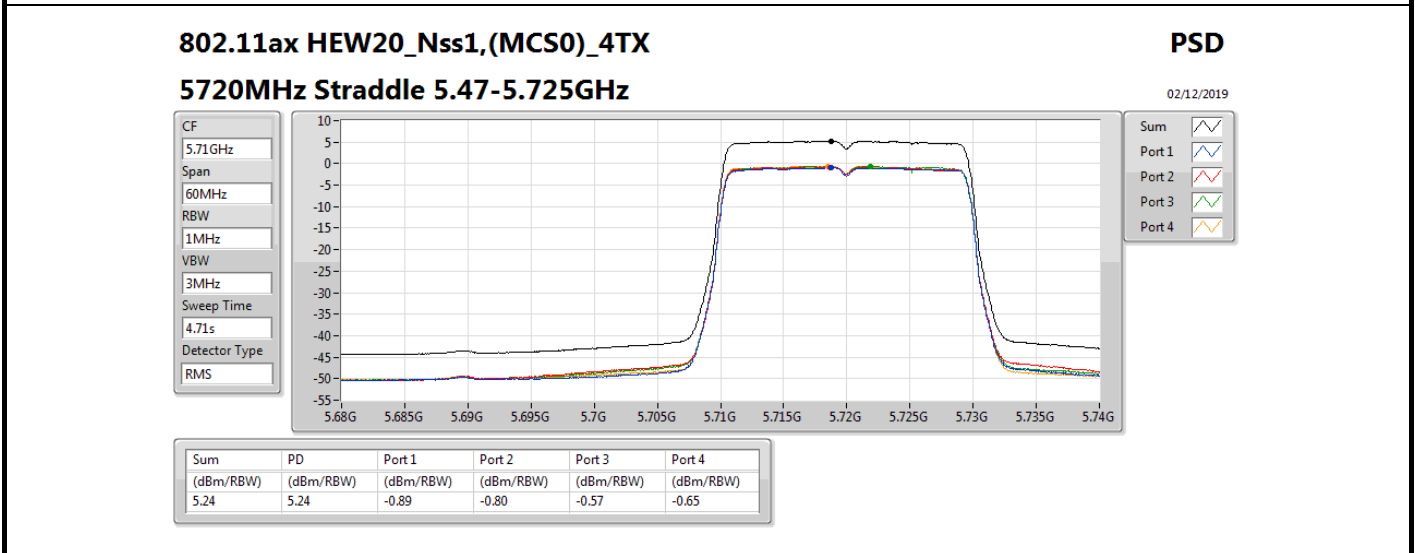
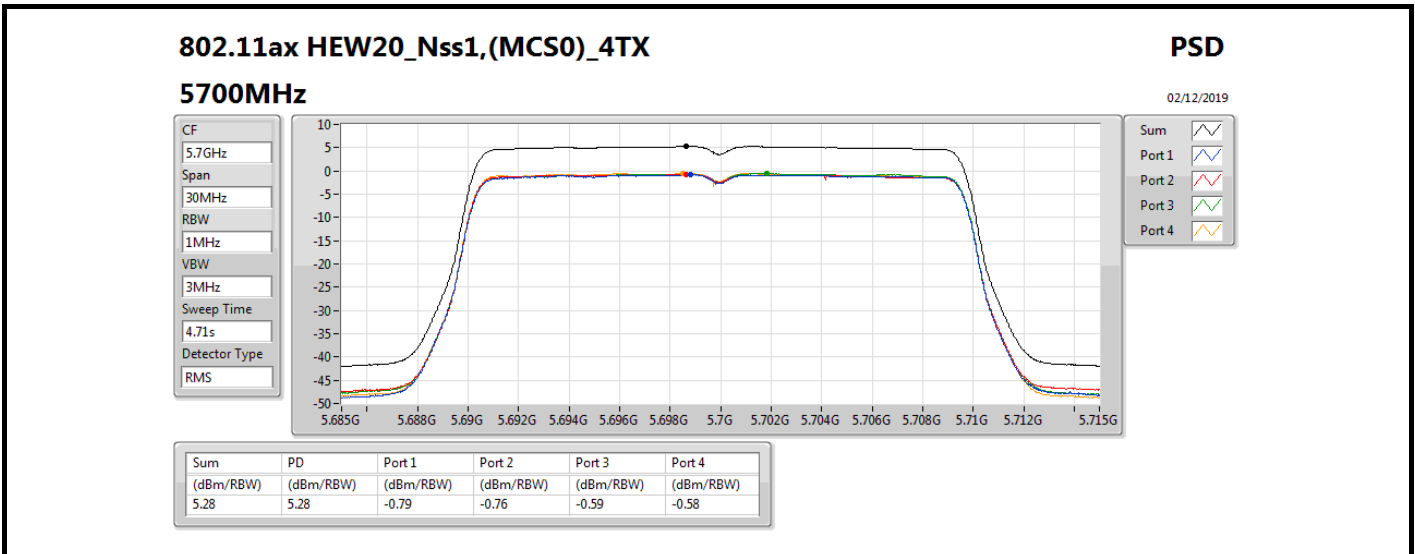
02/12/2019

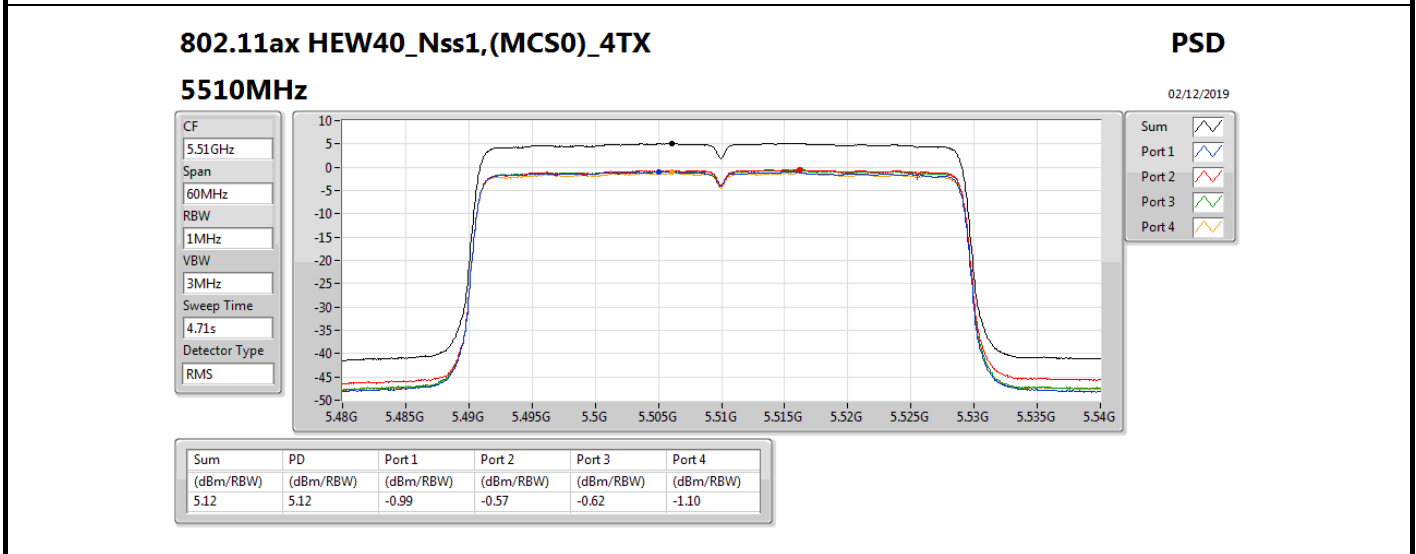
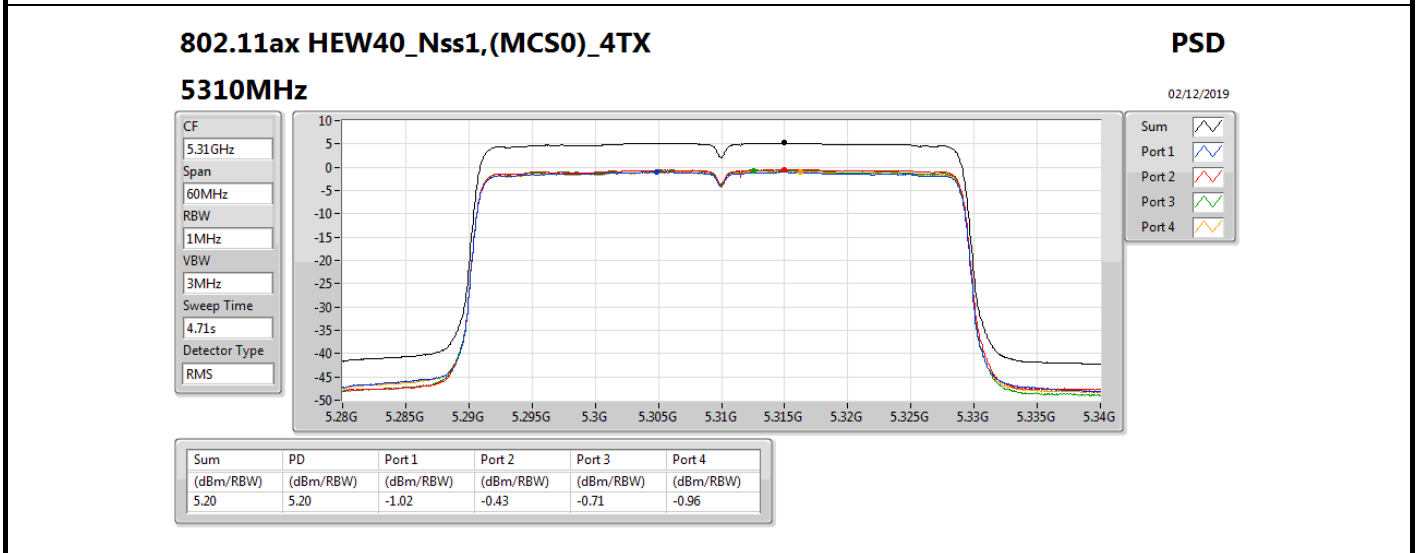
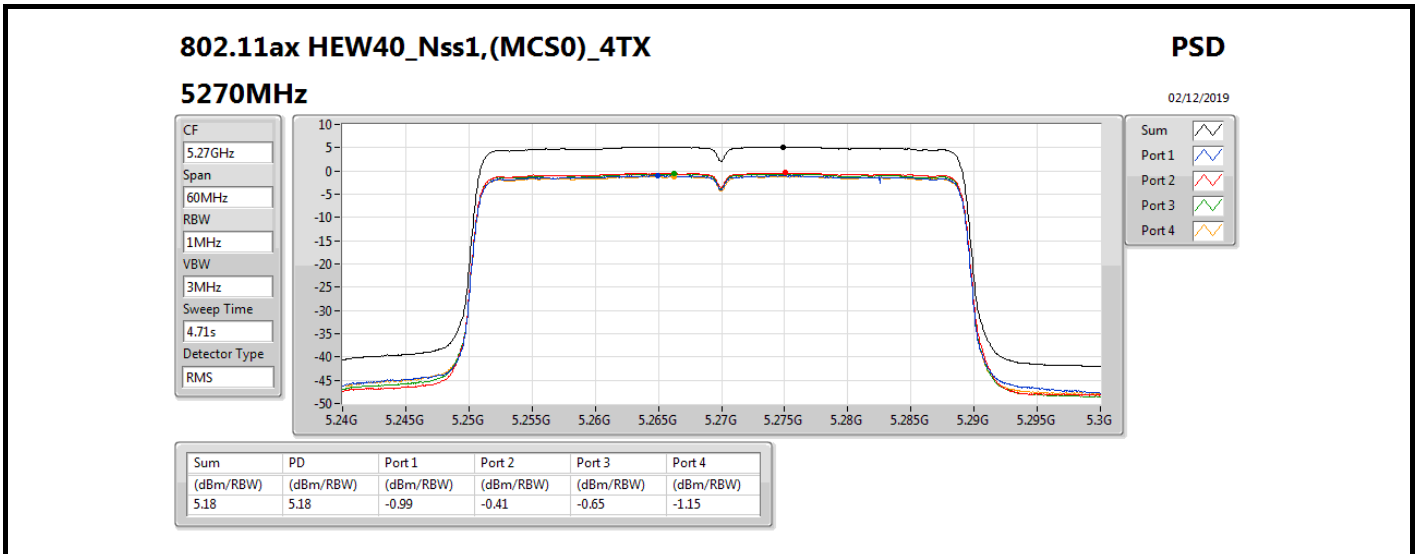
CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS

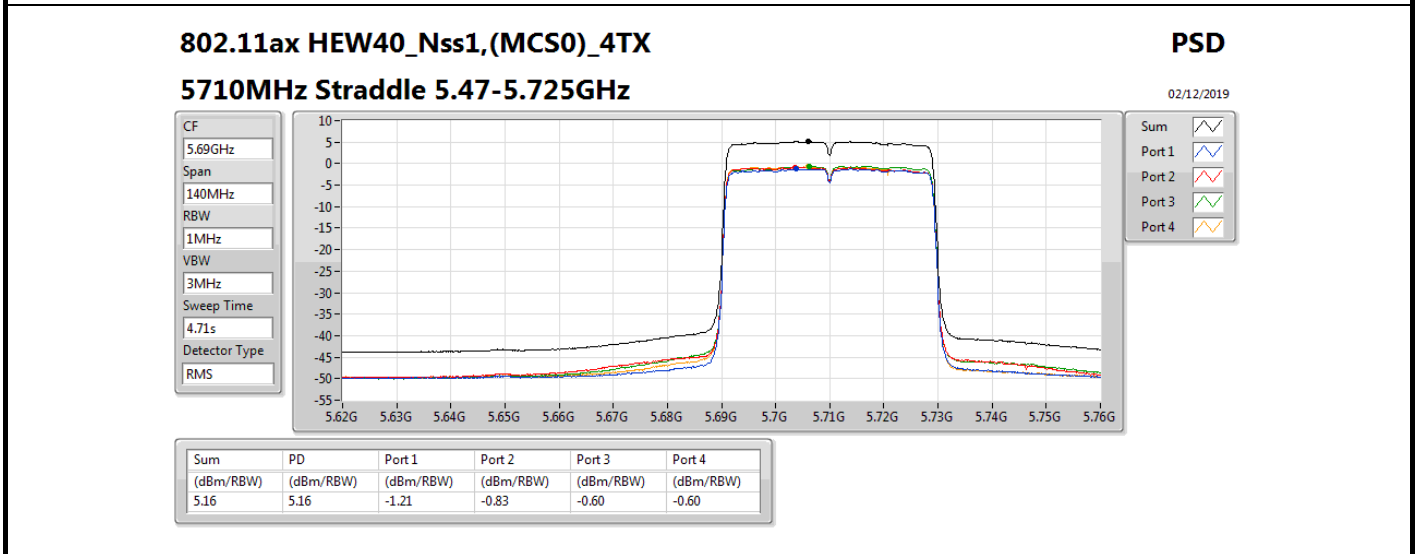
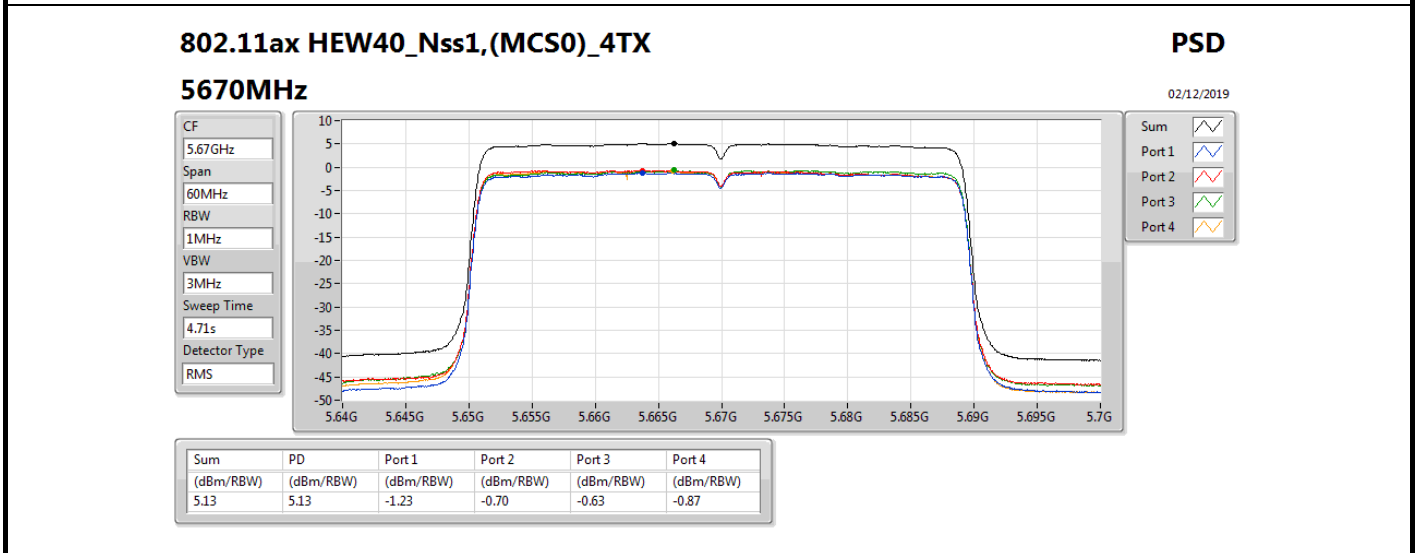
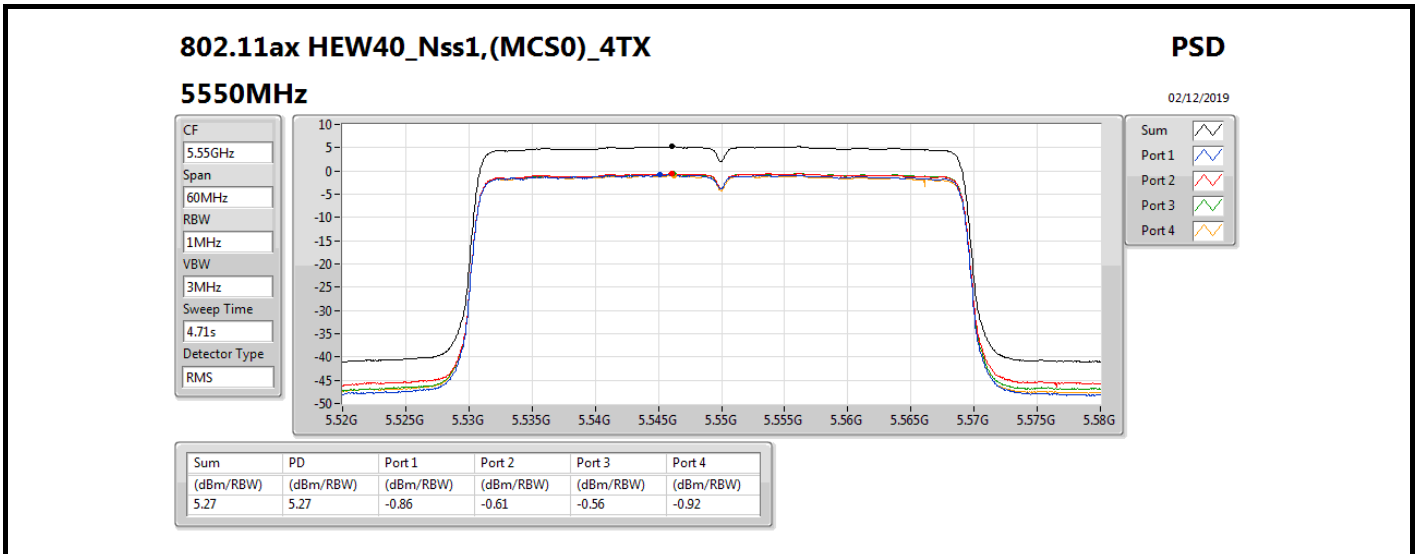


Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.20	5.20	-0.98	-0.59	-0.61	-1.07





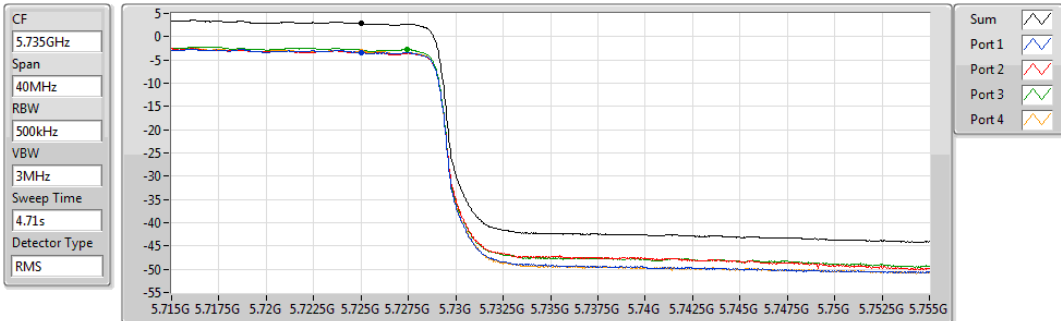


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

02/12/2019



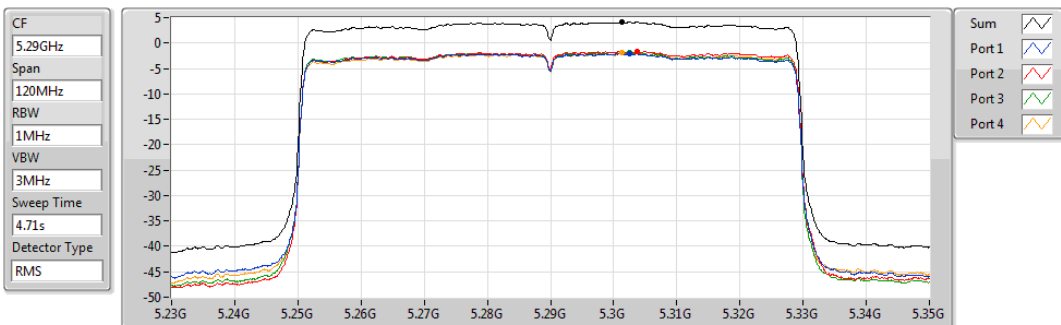
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.84	2.84	-3.40	-3.37	-2.75	-3.19

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

02/12/2019



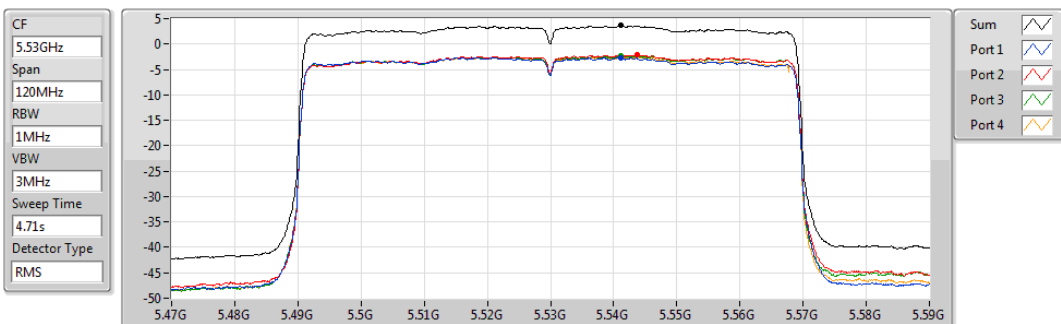
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.15	4.15	-2.10	-1.56	-1.85	-1.91

802.11ax HEW80_Nss1,(MCS0)_4TX

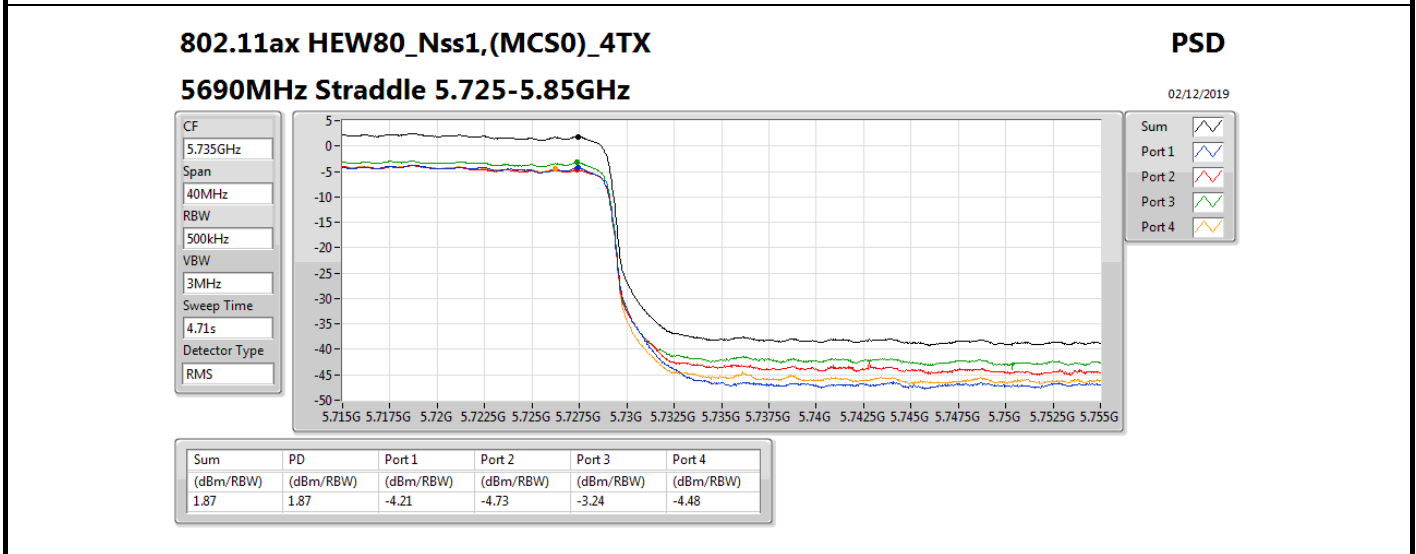
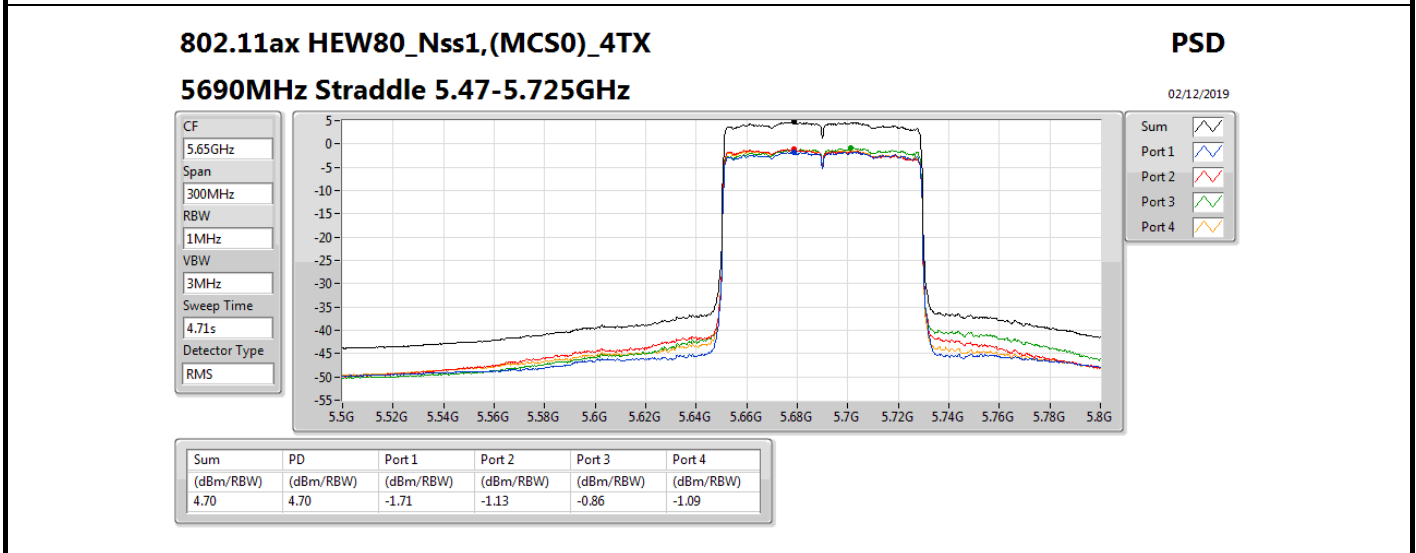
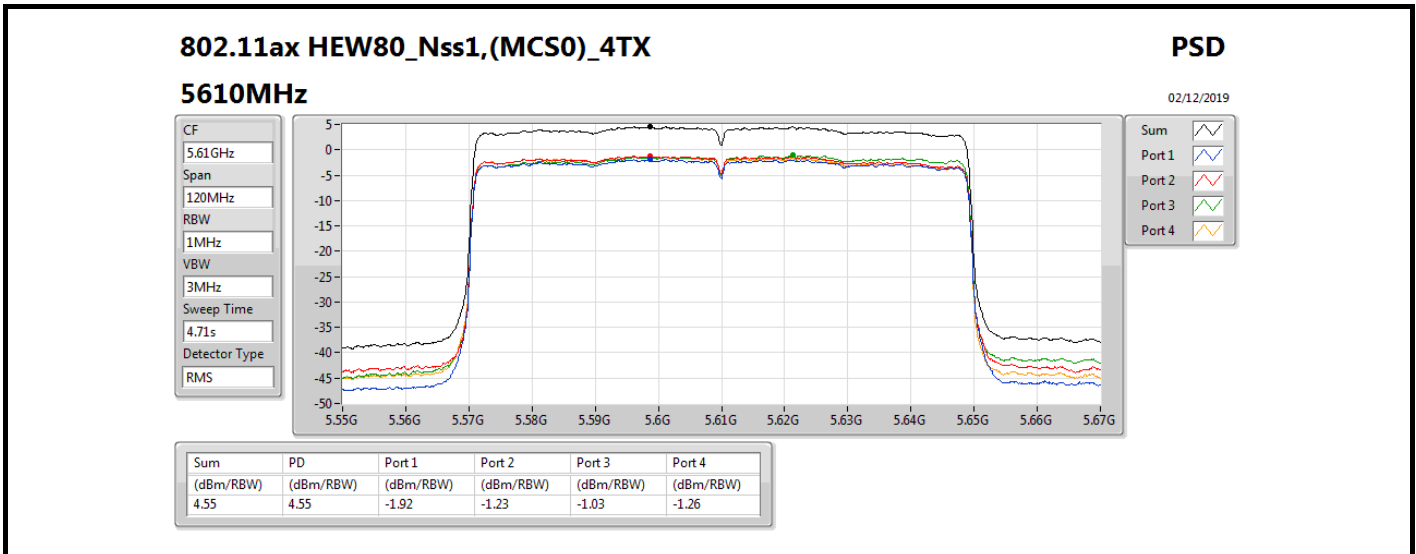
PSD

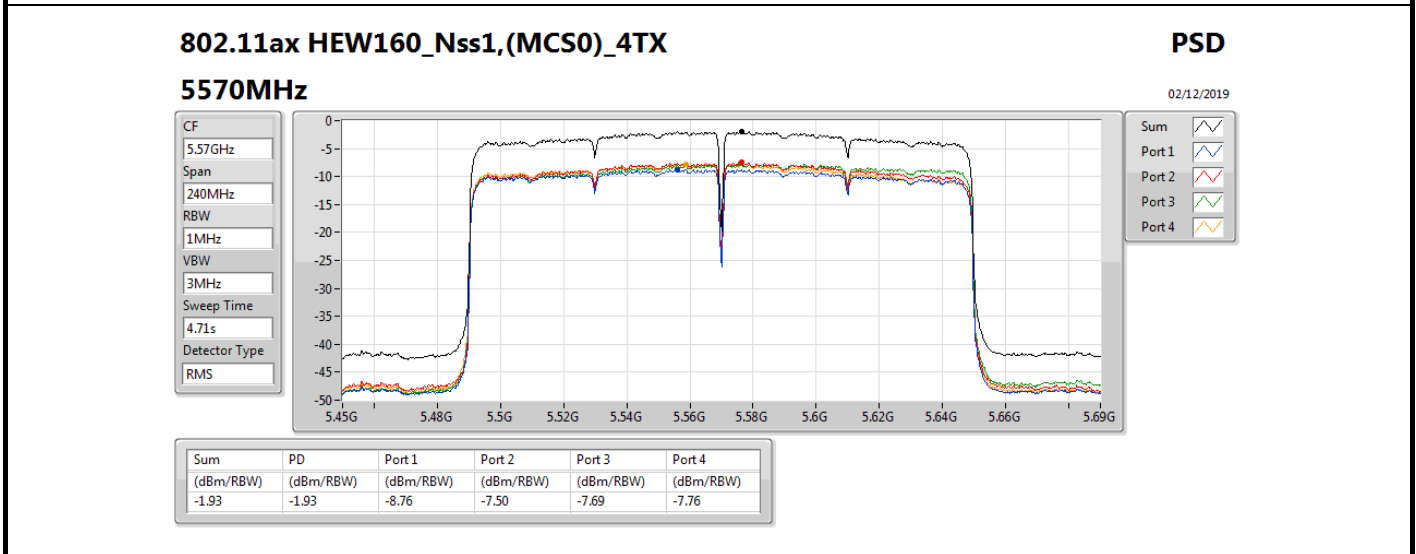
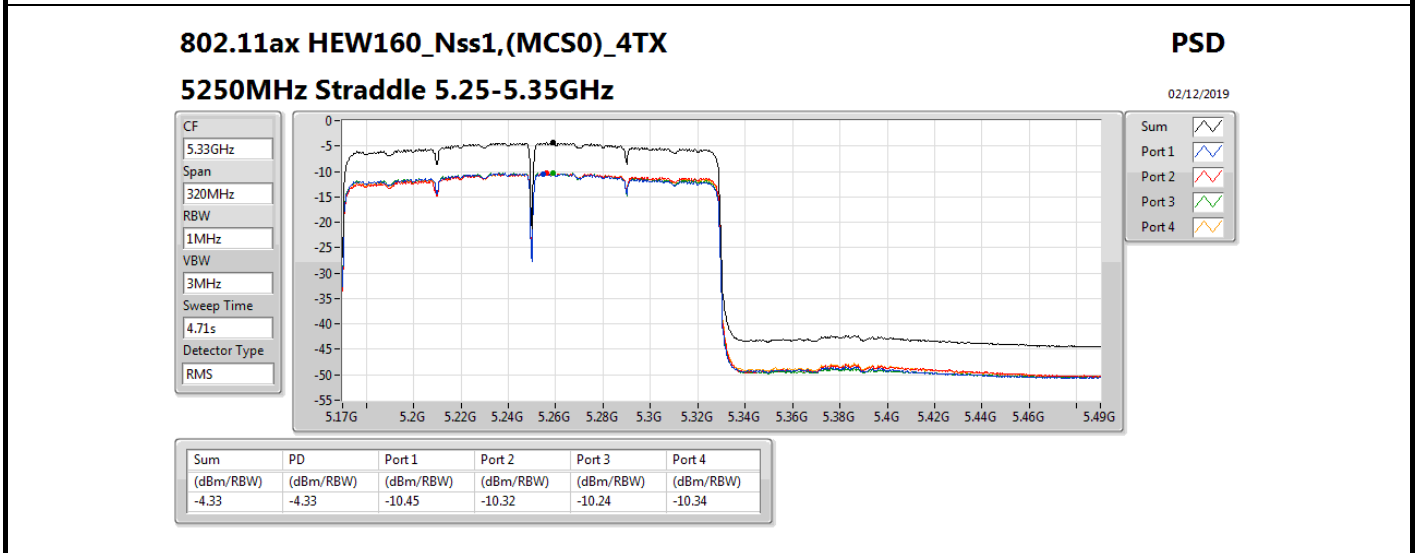
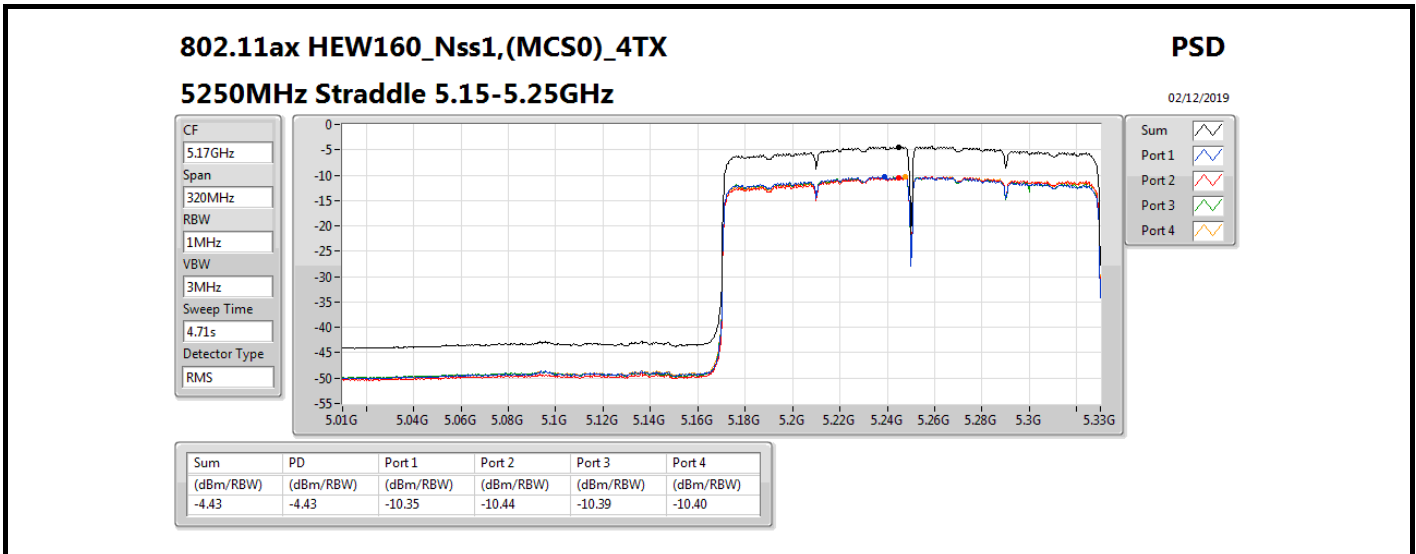
5530MHz

02/12/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.65	3.65	-2.69	-2.09	-2.21	-2.47







Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT160_Nss4,(MCS0)_4TX	-4.01	1.57
802.11ax HEW160_Nss4,(MCS0)_4TX	-4.02	1.56
5.25-5.35GHz	-	-
802.11ac VHT20_Nss4,(MCS0)_4TX	9.83	15.41
802.11ac VHT40_Nss4,(MCS0)_4TX	7.38	12.96
802.11ac VHT80_Nss4,(MCS0)_4TX	4.08	9.66
802.11ac VHT160_Nss4,(MCS0)_4TX	-3.95	1.63
802.11ax HEW20_Nss4,(MCS0)_4TX	9.83	15.41
802.11ax HEW40_Nss4,(MCS0)_4TX	7.40	12.98
802.11ax HEW80_Nss4,(MCS0)_4TX	4.10	9.68
802.11ax HEW160_Nss4,(MCS0)_4TX	-3.97	1.61
5.47-5.725GHz	-	-
802.11ac VHT20_Nss4,(MCS0)_4TX	10.27	15.85
802.11ac VHT40_Nss4,(MCS0)_4TX	7.83	13.41
802.11ac VHT80_Nss4,(MCS0)_4TX	4.84	10.42
802.11ac VHT160_Nss4,(MCS0)_4TX	-2.13	3.45
802.11ax HEW20_Nss4,(MCS0)_4TX	10.21	15.79
802.11ax HEW40_Nss4,(MCS0)_4TX	7.91	13.49
802.11ax HEW80_Nss4,(MCS0)_4TX	4.99	10.57
802.11ax HEW160_Nss4,(MCS0)_4TX	-2.21	3.37
5.725-5.85GHz	-	-
802.11ac VHT20_Nss4,(MCS0)_4TX	8.58	14.16
802.11ac VHT40_Nss4,(MCS0)_4TX	5.73	11.31
802.11ac VHT80_Nss4,(MCS0)_4TX	2.22	7.80
802.11ax HEW20_Nss4,(MCS0)_4TX	8.54	14.12
802.11ax HEW40_Nss4,(MCS0)_4TX	5.77	11.35
802.11ax HEW80_Nss4,(MCS0)_4TX	2.22	7.80

RBW = 500 kHz 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)
802.11ac VHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	5.58	3.73	4.32	3.93	3.51	9.83	11.00	15.41	17.00
5300MHz_TnomVnom	Pass	5.58	3.62	4.12	3.86	3.61	9.76	11.00	15.34	17.00
5320MHz_TnomVnom	Pass	5.58	3.65	4.20	3.96	3.59	9.77	11.00	15.35	17.00
5500MHz_TnomVnom	Pass	5.58	3.59	4.04	3.87	3.22	9.62	11.00	15.20	17.00
5580MHz_TnomVnom	Pass	5.58	3.81	4.12	4.12	3.43	9.81	11.00	15.39	17.00
5700MHz_TnomVnom	Pass	5.58	3.04	3.23	3.41	3.24	9.13	11.00	14.71	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.58	4.31	4.31	4.47	4.35	10.27	11.00	15.85	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.58	2.40	2.57	2.73	2.57	8.58	30.00	14.16	36.00
802.11ac VHT40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	5.58	0.98	1.78	1.56	1.35	7.32	11.00	12.90	17.00
5310MHz_TnomVnom	Pass	5.58	1.03	1.68	1.64	1.48	7.38	11.00	12.96	17.00
5510MHz_TnomVnom	Pass	5.58	1.01	1.75	1.68	1.16	7.34	11.00	12.92	17.00
5550MHz_TnomVnom	Pass	5.58	1.00	1.79	1.78	1.15	7.38	11.00	12.96	17.00
5670MHz_TnomVnom	Pass	5.58	0.82	1.45	1.60	1.33	7.17	11.00	12.75	17.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.58	1.45	2.05	2.17	2.14	7.83	11.00	13.41	17.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.58	-0.82	-0.57	0.28	-0.08	5.73	30.00	11.31	36.00
802.11ac VHT80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	5.58	-2.11	-1.64	-1.82	-1.94	4.08	11.00	9.66	17.00
5530MHz_TnomVnom	Pass	5.58	-2.42	-1.78	-1.90	-2.21	3.83	11.00	9.41	17.00
5610MHz_TnomVnom	Pass	5.58	-1.75	-0.85	-0.57	-1.23	4.77	11.00	10.35	17.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.58	-1.57	-0.87	-0.59	-1.04	4.84	11.00	10.42	17.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.58	-4.17	-4.29	-2.87	-3.96	2.22	30.00	7.80	36.00
802.11ac VHT160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz_TnomVnom	Pass	5.58	-9.89	-9.99	-9.54	-9.97	-4.01	17.00	1.57	23.00
5250MHz Straddle 5.25-5.35GHz_TnomVnom	Pass	5.58	-10.06	-9.95	-9.80	-9.62	-3.95	11.00	1.63	17.00
5570MHz_TnomVnom	Pass	5.58	-8.74	-7.78	-7.73	-7.86	-2.13	11.00	3.45	17.00
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	5.58	3.65	4.37	3.95	3.39	9.83	11.00	15.41	17.00
5300MHz_TnomVnom	Pass	5.58	3.54	4.23	3.88	3.49	9.76	11.00	15.34	17.00
5320MHz_TnomVnom	Pass	5.58	3.45	4.34	3.97	3.61	9.80	11.00	15.38	17.00
5500MHz_TnomVnom	Pass	5.58	3.57	3.93	3.74	3.18	9.58	11.00	15.16	17.00
5580MHz_TnomVnom	Pass	5.58	3.74	4.09	4.06	3.49	9.84	11.00	15.42	17.00
5700MHz_TnomVnom	Pass	5.58	3.01	3.13	3.32	3.27	9.16	11.00	14.74	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.58	4.15	4.02	4.43	4.37	10.21	11.00	15.79	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.58	2.43	2.21	2.77	2.65	8.54	30.00	14.12	36.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	5.58	1.19	1.80	1.61	1.21	7.40	11.00	12.98	17.00
5310MHz_TnomVnom	Pass	5.58	1.15	1.68	1.60	1.17	7.37	11.00	12.95	17.00
5510MHz_TnomVnom	Pass	5.58	1.15	1.72	1.58	1.01	7.34	11.00	12.92	17.00
5550MHz_TnomVnom	Pass	5.58	1.15	1.69	1.70	1.14	7.38	11.00	12.96	17.00
5670MHz_TnomVnom	Pass	5.58	1.01	1.64	1.55	1.24	7.31	11.00	12.89	17.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.58	1.42	2.04	2.24	2.15	7.91	11.00	13.49	17.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.58	-0.54	-0.46	0.25	-0.29	5.77	30.00	11.35	36.00



Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	5.58	-2.02	-1.47	-1.93	-1.99	4.10	11.00	9.68	17.00
5530MHz_TnomVnom	Pass	5.58	-2.34	-1.79	-1.94	-2.23	3.84	11.00	9.42	17.00
5610MHz_TnomVnom	Pass	5.58	-1.49	-0.67	-0.66	-0.96	4.97	11.00	10.55	17.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.58	-1.51	-0.70	-0.74	-0.69	4.99	11.00	10.57	17.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.58	-4.02	-4.27	-2.88	-4.08	2.22	30.00	7.80	36.00
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz_TnomVnom	Pass	5.58	-10.20	-9.95	-9.71	-9.92	-4.02	17.00	1.56	23.00
5250MHz Straddle 5.25-5.35GHz_TnomVnom	Pass	5.58	-10.22	-9.82	-9.84	-9.88	-3.97	11.00	1.61	17.00
5570MHz_TnomVnom	Pass	5.58	-9.00	-7.86	-7.79	-7.97	-2.21	11.00	3.37	17.00

DG = Directional Gain; RBW = 500 kHz 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;

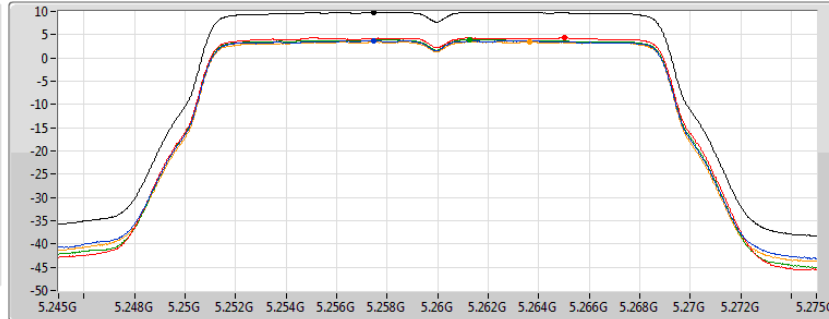
802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5260MHz

02/12/2019

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.83	9.83	3.73	4.32	3.93	3.51

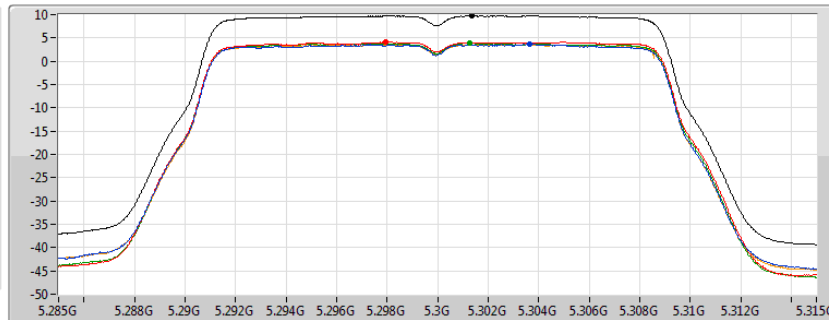
802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5300MHz

02/12/2019

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.76	9.76	3.62	4.12	3.86	3.61

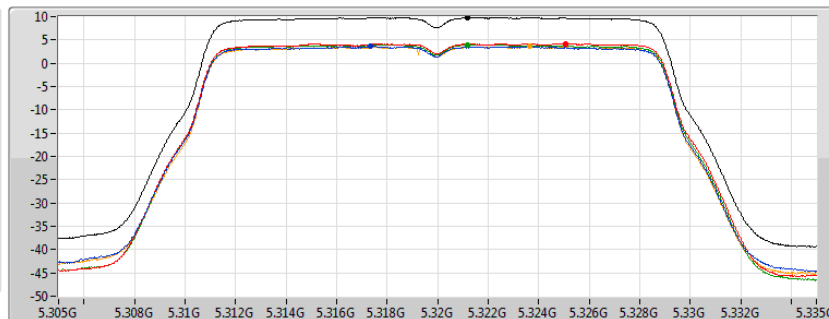
802.11ac VHT20_Nss4,(MCS0)_4TX

PSD

5320MHz

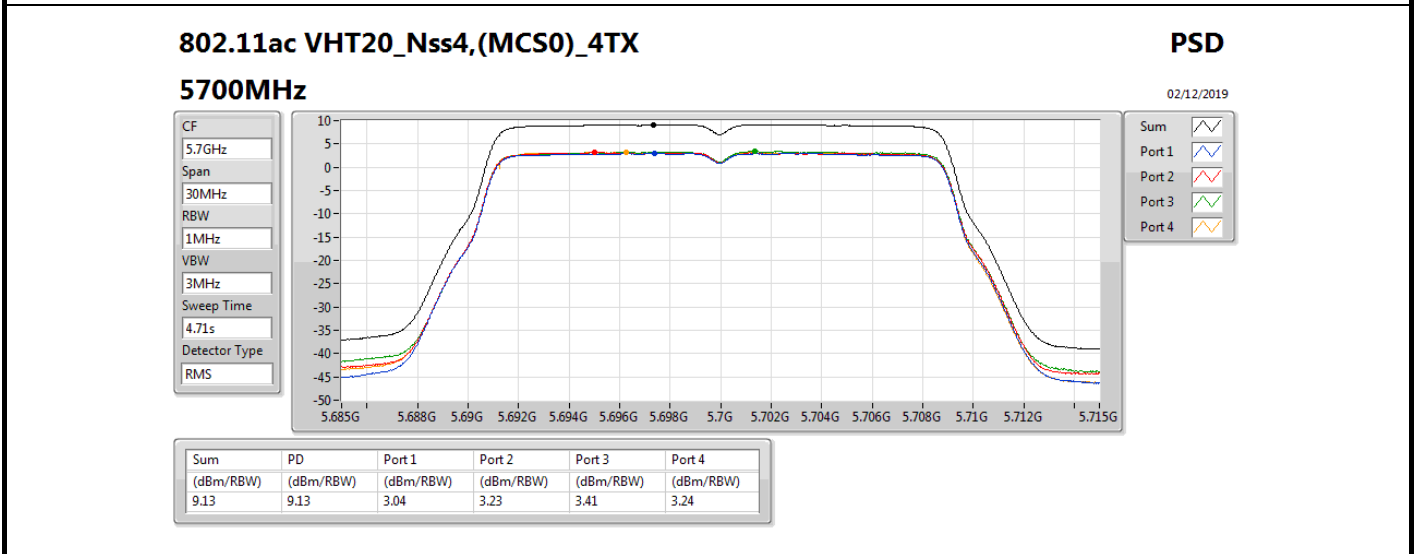
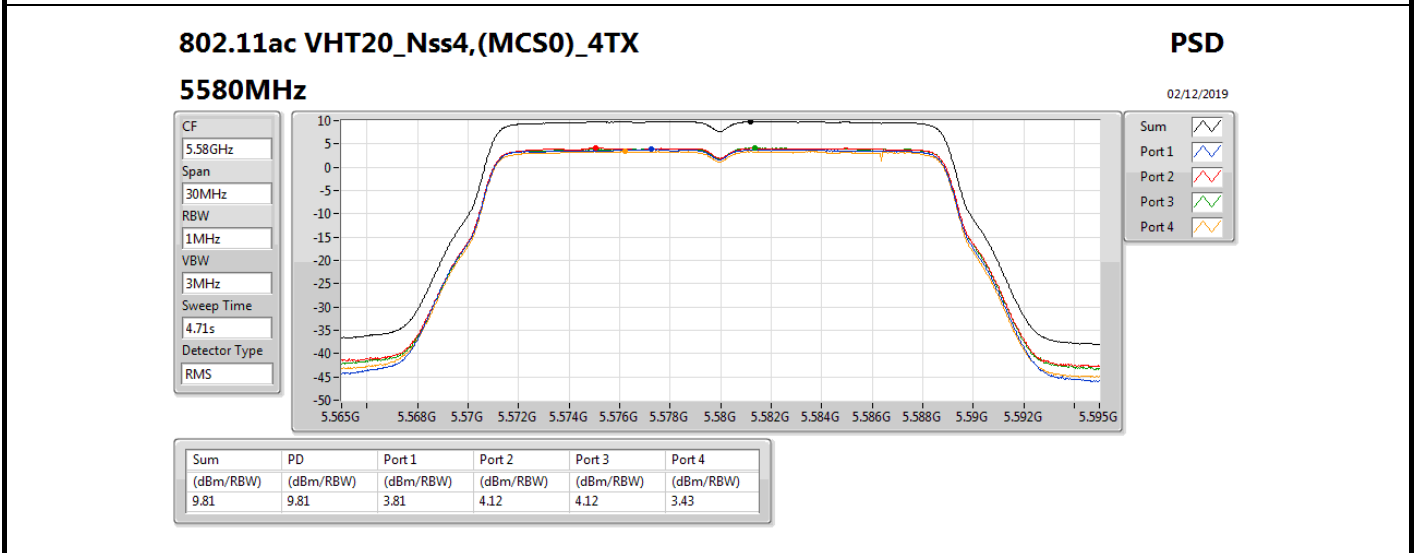
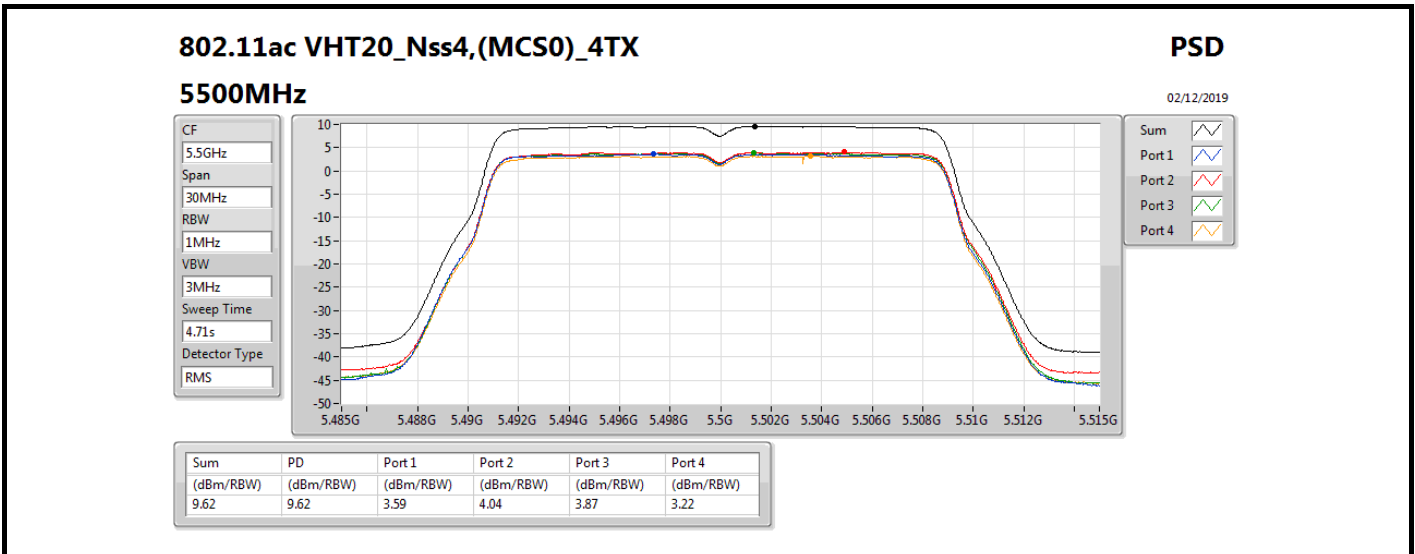
02/12/2019

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.77	9.77	3.65	4.20	3.96	3.59

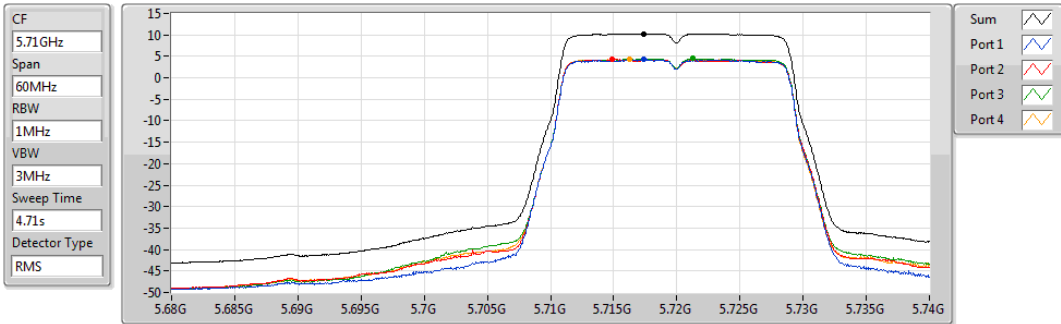


802.11ac VHT20_Nss4,(MCS0)_4TX

5720MHz Straddle 5.47-5.725GHz

PSD

02/12/2019



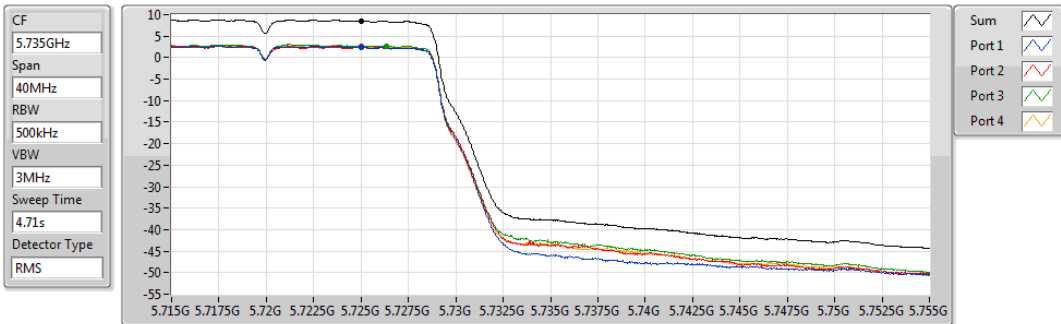
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.27	10.27	4.31	4.31	4.47	4.35

802.11ac VHT20_Nss4,(MCS0)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

02/12/2019



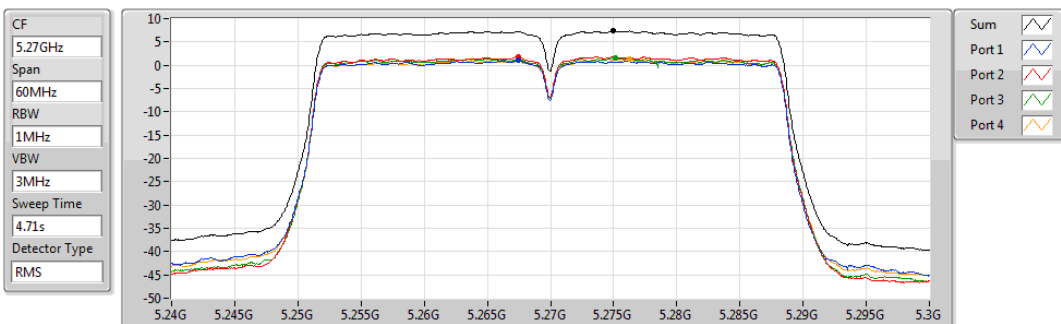
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.58	8.58	2.40	2.57	2.73	2.57

802.11ac VHT40_Nss4,(MCS0)_4TX

5270MHz

PSD

02/12/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.32	7.32	0.98	1.78	1.56	1.35

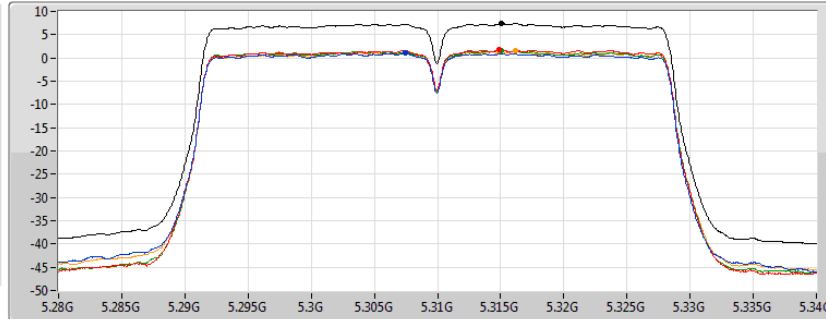
802.11ac VHT40_Nss4,(MCS0)_4TX

PSD

5310MHz

02/12/2019

CF
5.31GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.38	7.38	1.03	1.68	1.64	1.48

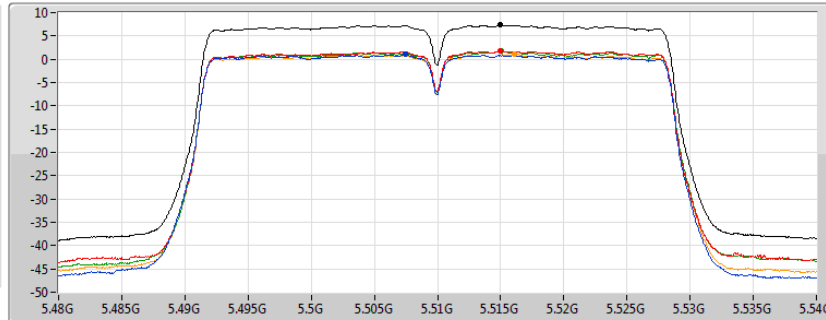
802.11ac VHT40_Nss4,(MCS0)_4TX

PSD

5510MHz

02/12/2019

CF
5.51GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.34	7.34	1.01	1.75	1.68	1.16

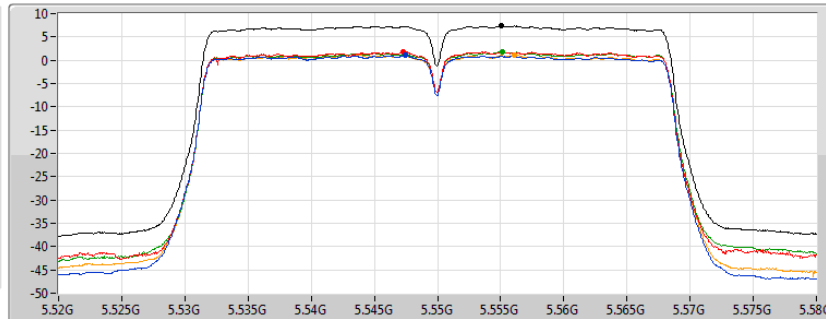
802.11ac VHT40_Nss4,(MCS0)_4TX

PSD

5550MHz

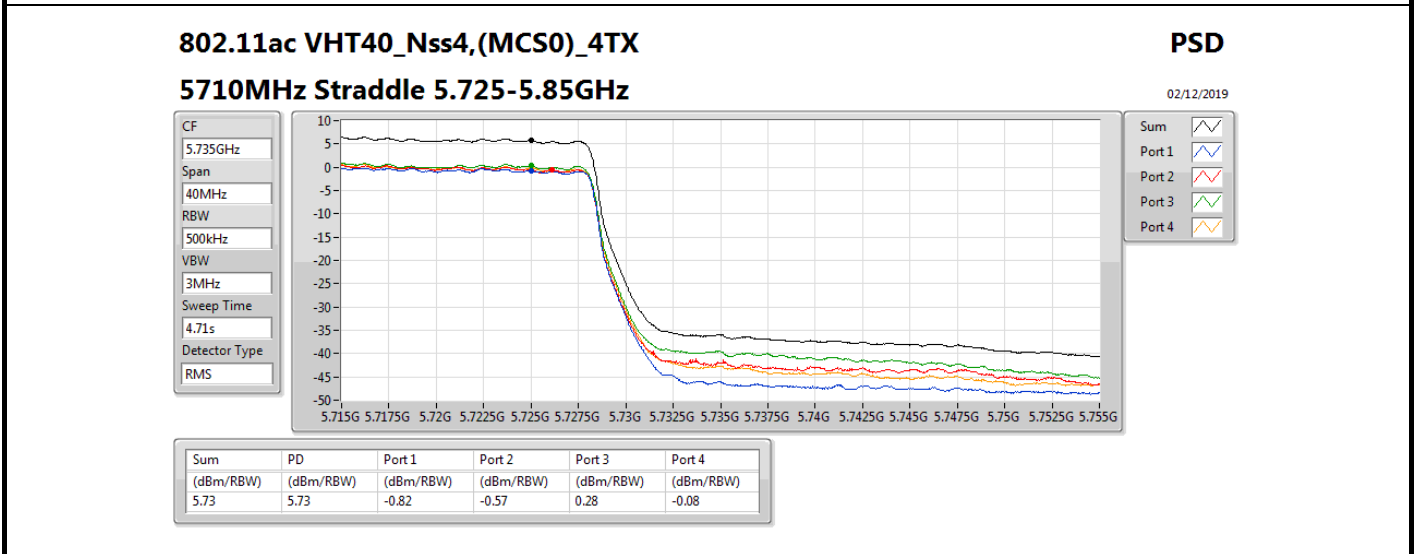
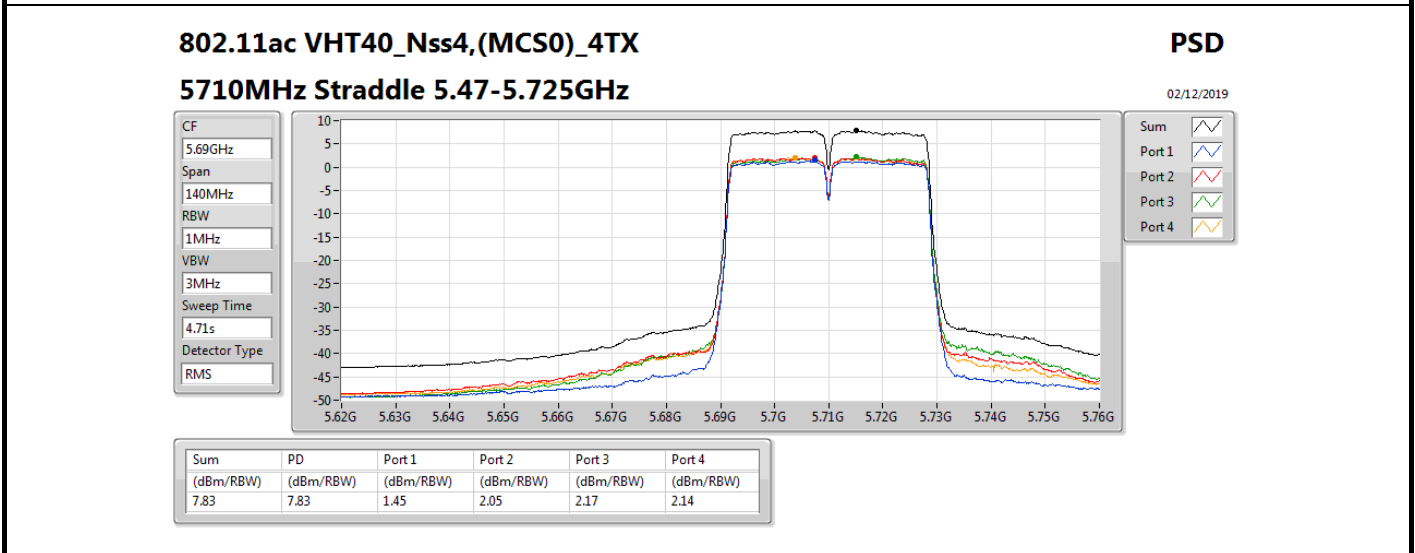
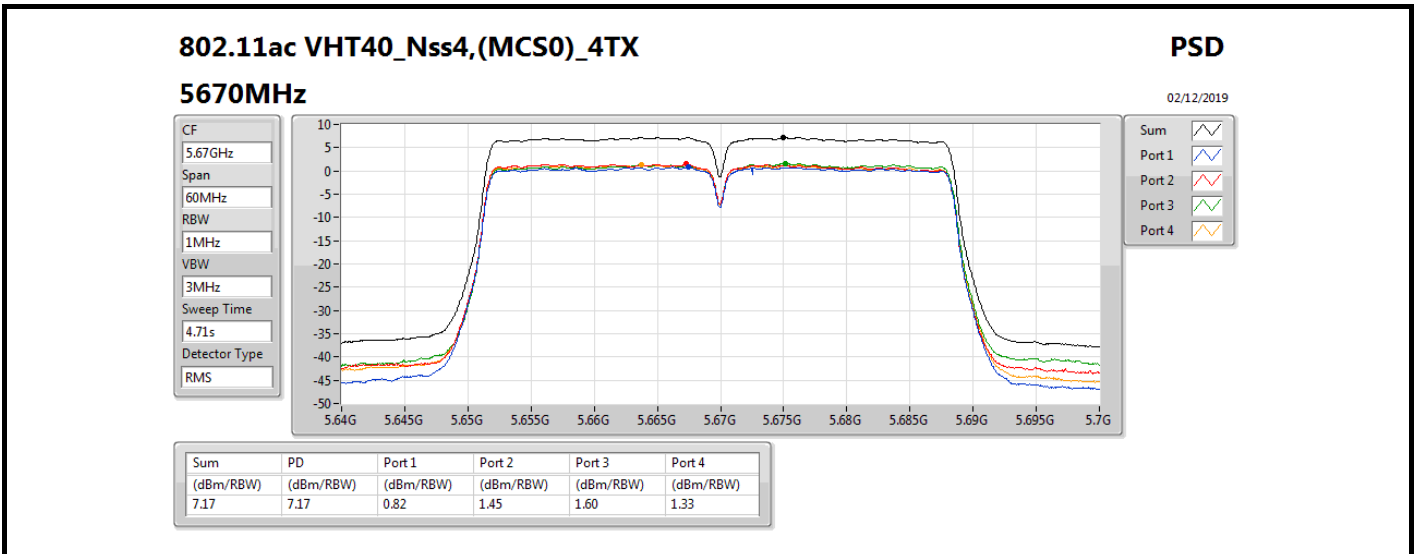
02/12/2019

CF
5.55GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.38	7.38	1.00	1.79	1.78	1.15



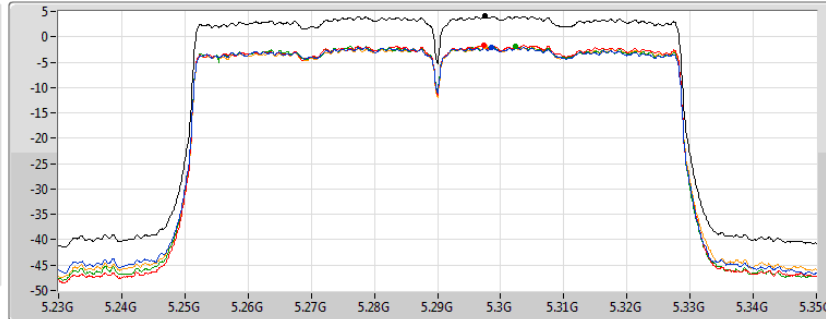
802.11ac VHT80_Nss4,(MCS0)_4TX

PSD

5290MHz

02/12/2019

CF
5.29GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.08	4.08	-2.11	-1.64	-1.82	-1.94

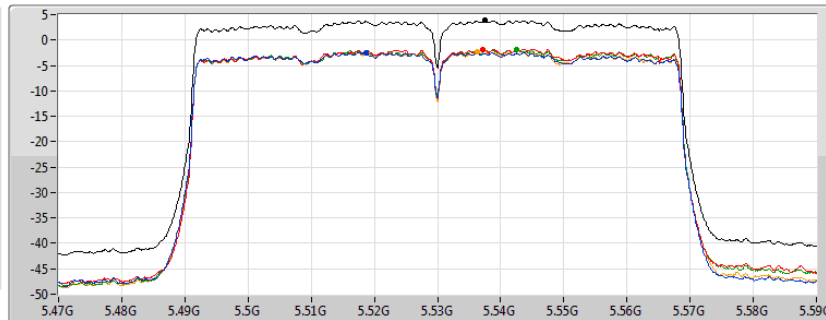
802.11ac VHT80_Nss4,(MCS0)_4TX

PSD

5530MHz

02/12/2019

CF
5.53GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.83	3.83	-2.42	-1.78	-1.90	-2.21

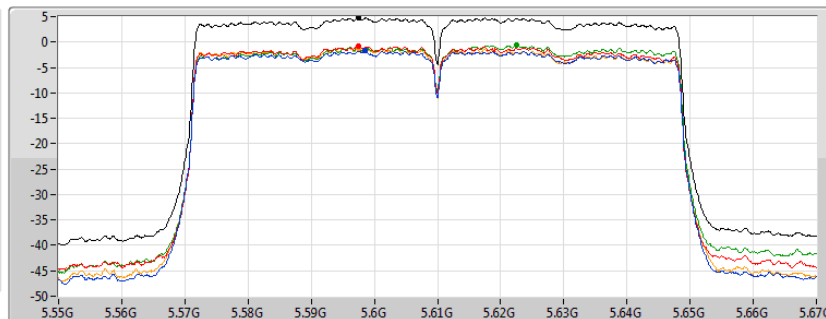
802.11ac VHT80_Nss4,(MCS0)_4TX

PSD

5610MHz

02/12/2019

CF
5.61GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
4.71s
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

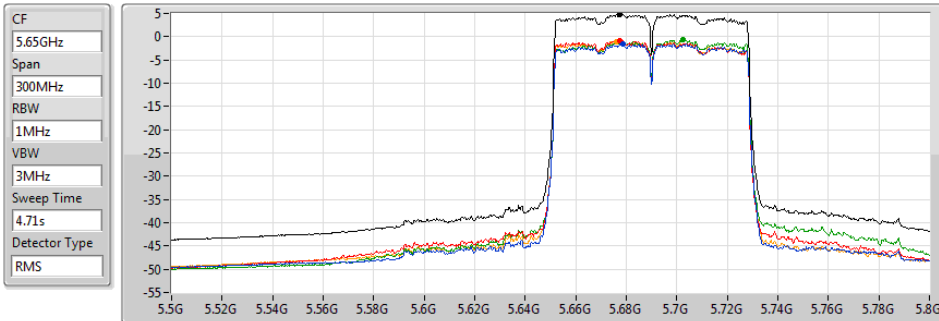
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.77	4.77	-1.75	-0.85	-0.57	-1.23

802.11ac VHT80_Nss4,(MCS0)_4TX

5690MHz Straddle 5.47-5.725GHz

PSD

02/12/2019



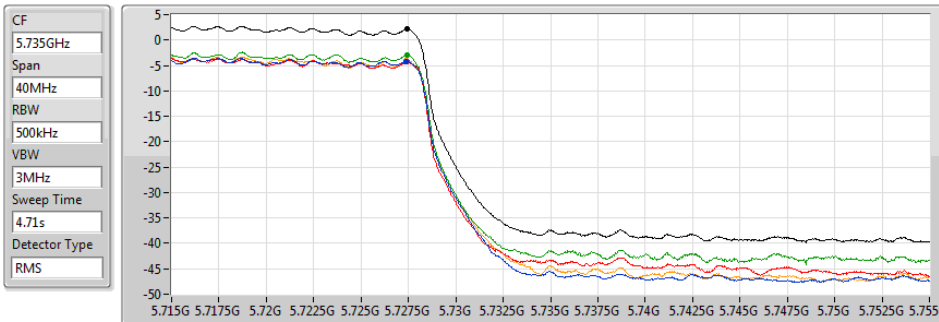
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.84	4.84	-1.57	-0.87	-0.59	-1.04

802.11ac VHT80_Nss4,(MCS0)_4TX

5690MHz Straddle 5.725-5.85GHz

PSD

02/12/2019



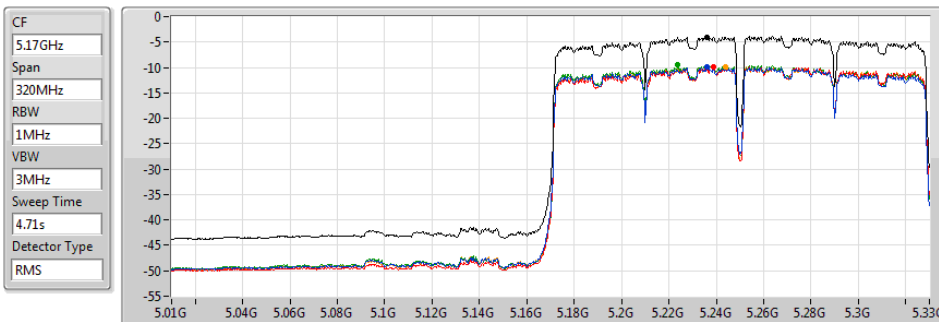
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.22	2.22	-4.17	-4.29	-2.87	-3.96

802.11ac VHT160_Nss4,(MCS0)_4TX

5250MHz Straddle 5.15-5.25GHz

PSD

02/12/2019



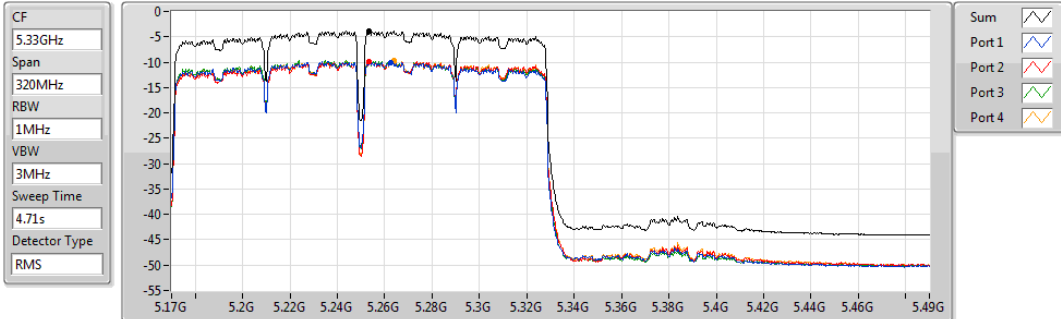
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.01	-4.01	-9.89	-9.99	-9.54	-9.97

802.11ac VHT160_Nss4,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

02/12/2019



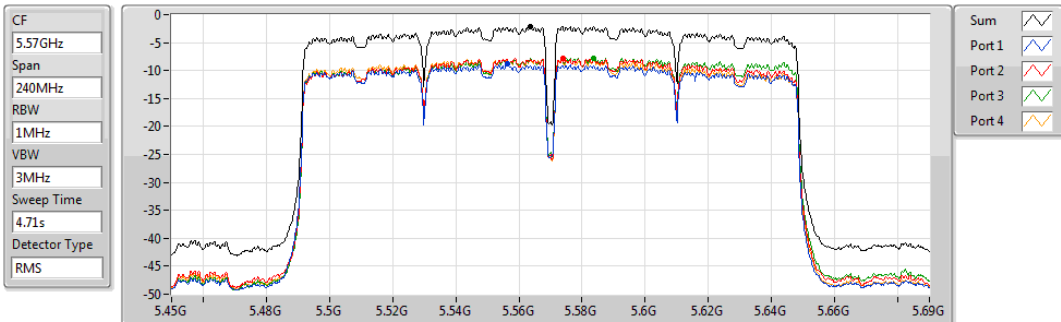
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.95	-3.95	-10.06	-9.95	-9.80	-9.62

802.11ac VHT160_Nss4,(MCS0)_4TX

PSD

5570MHz

02/12/2019



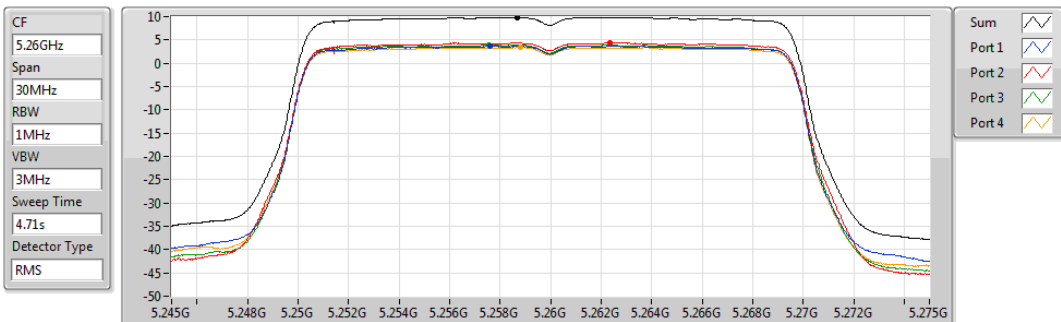
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.13	-2.13	-8.74	-7.78	-7.73	-7.86

802.11ax HEW20_Nss4,(MCS0)_4TX

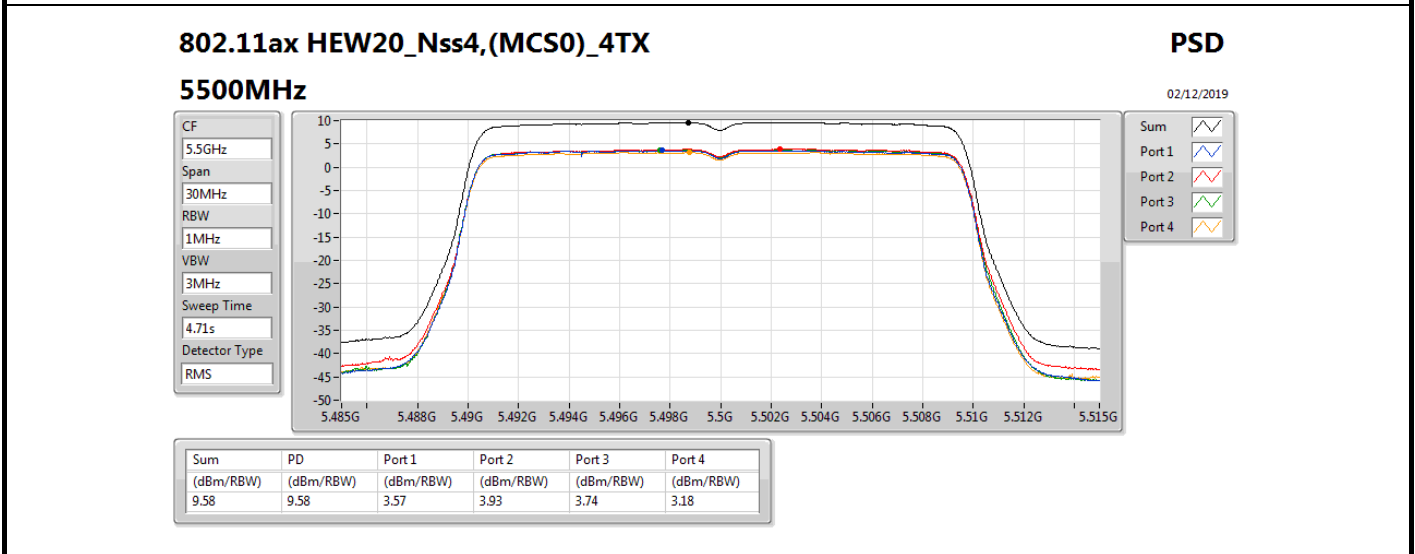
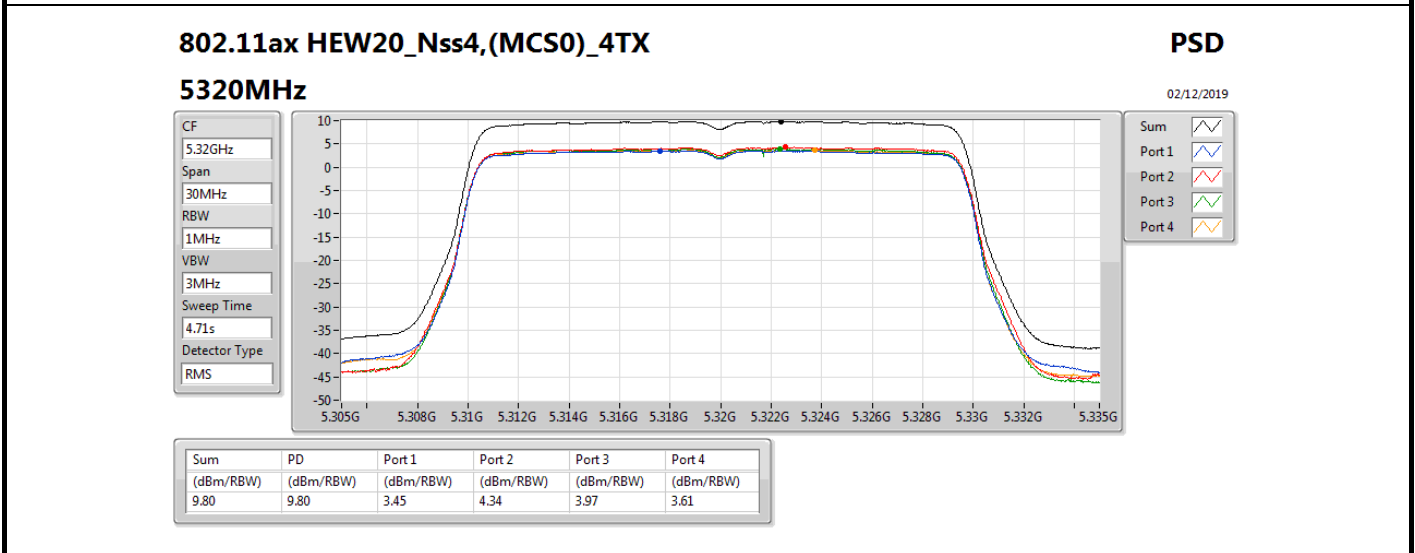
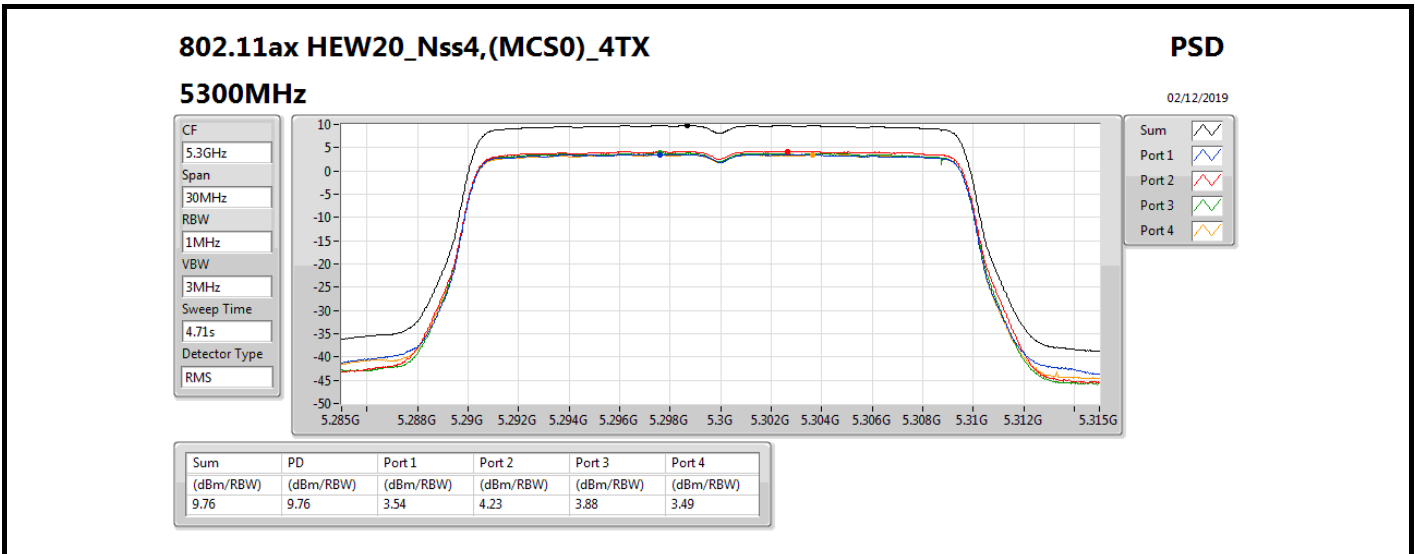
PSD

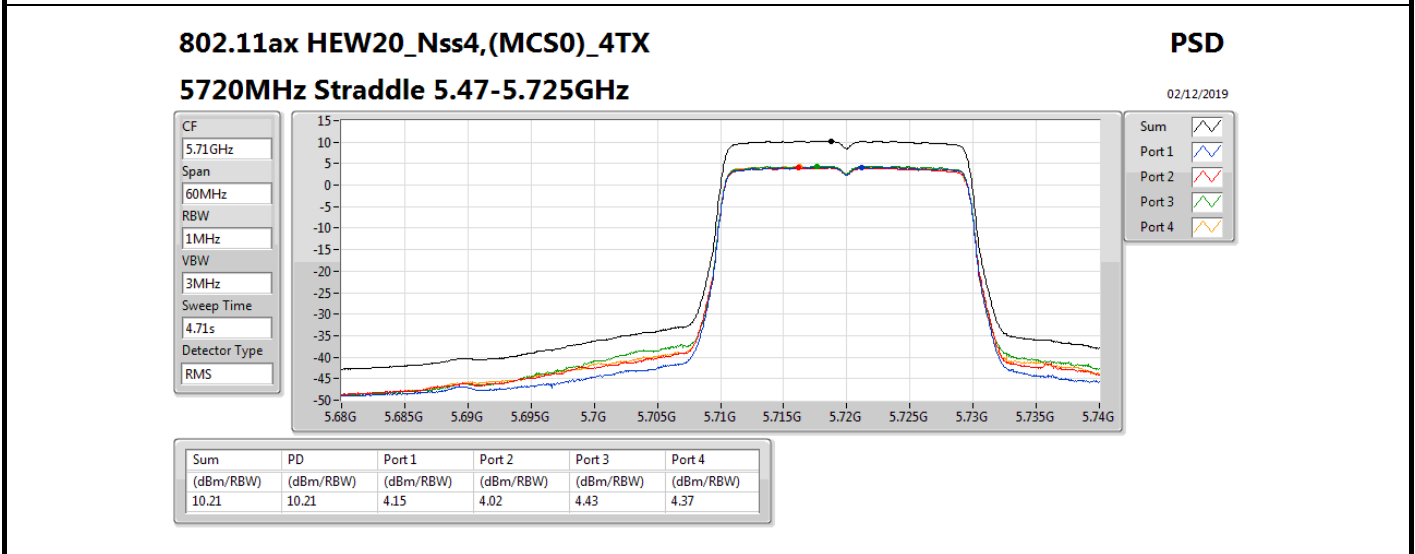
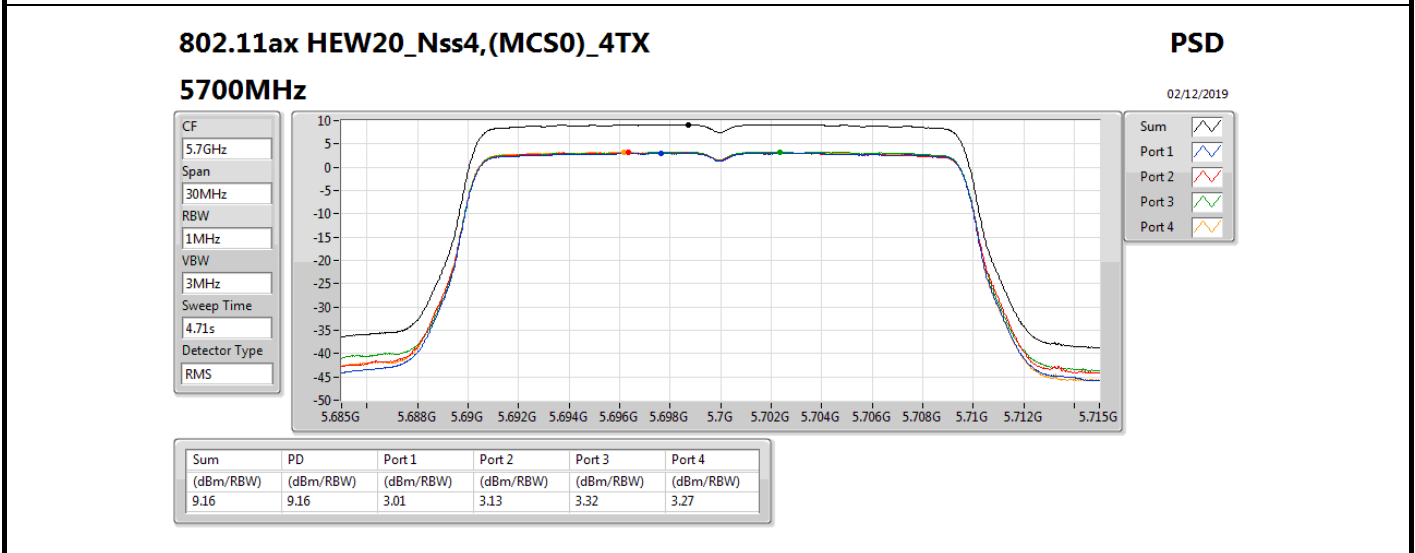
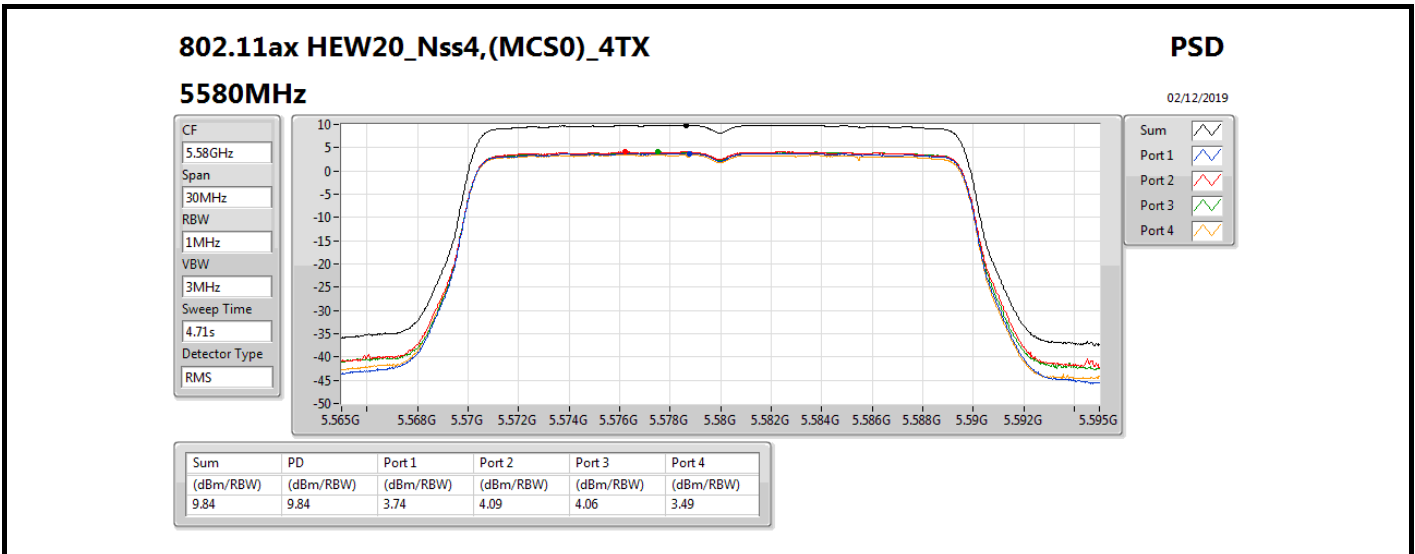
5260MHz

02/12/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.83	9.83	3.65	4.37	3.95	3.39



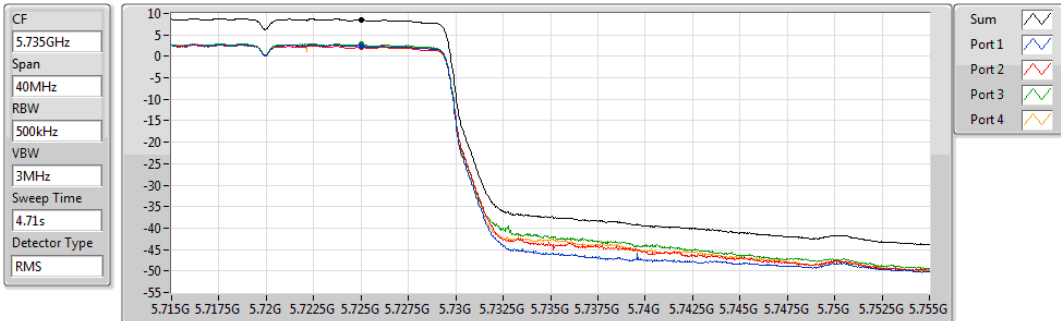


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

02/12/2019



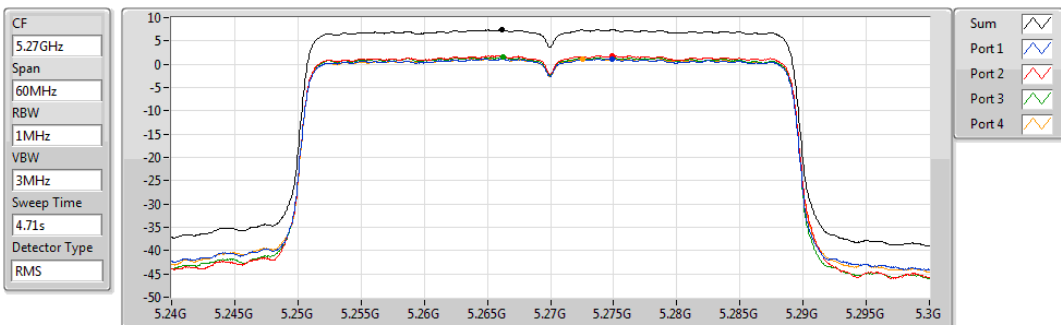
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.54	8.54	2.43	2.21	2.77	2.65

802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5270MHz

02/12/2019



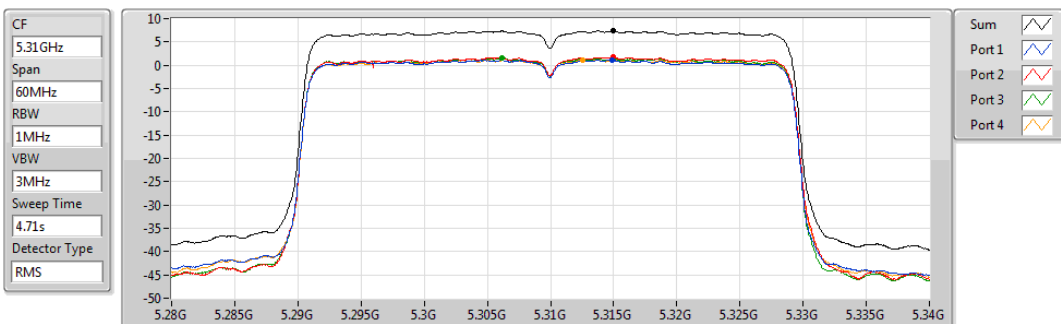
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.40	7.40	1.19	1.80	1.61	1.21

802.11ax HEW40_Nss4,(MCS0)_4TX

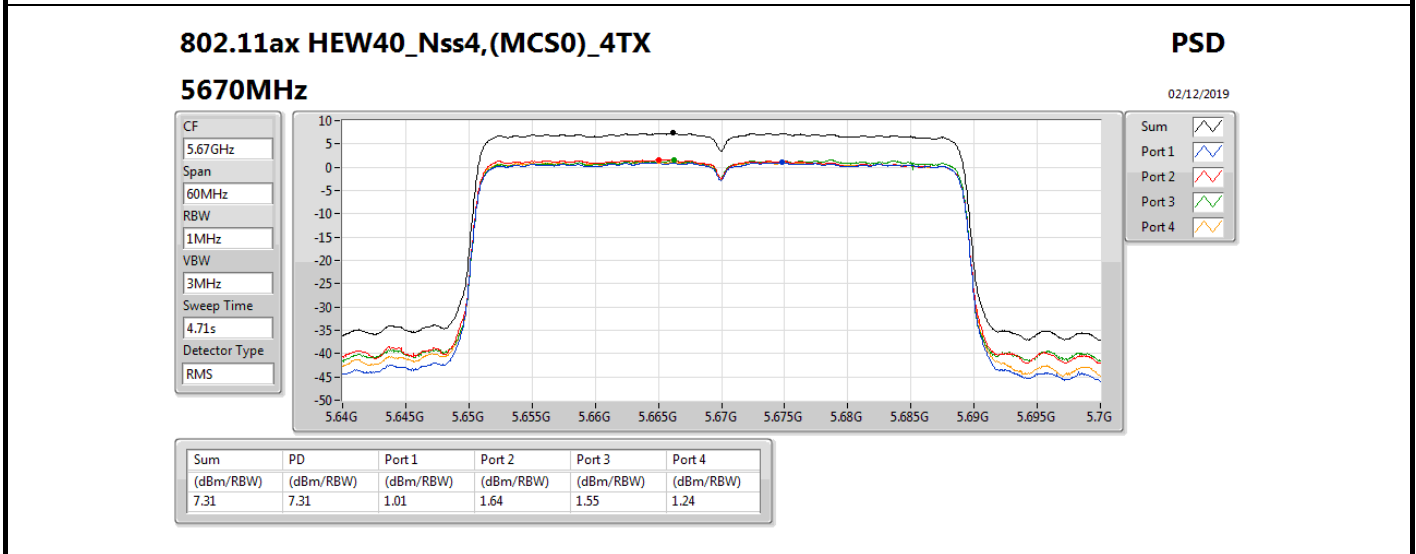
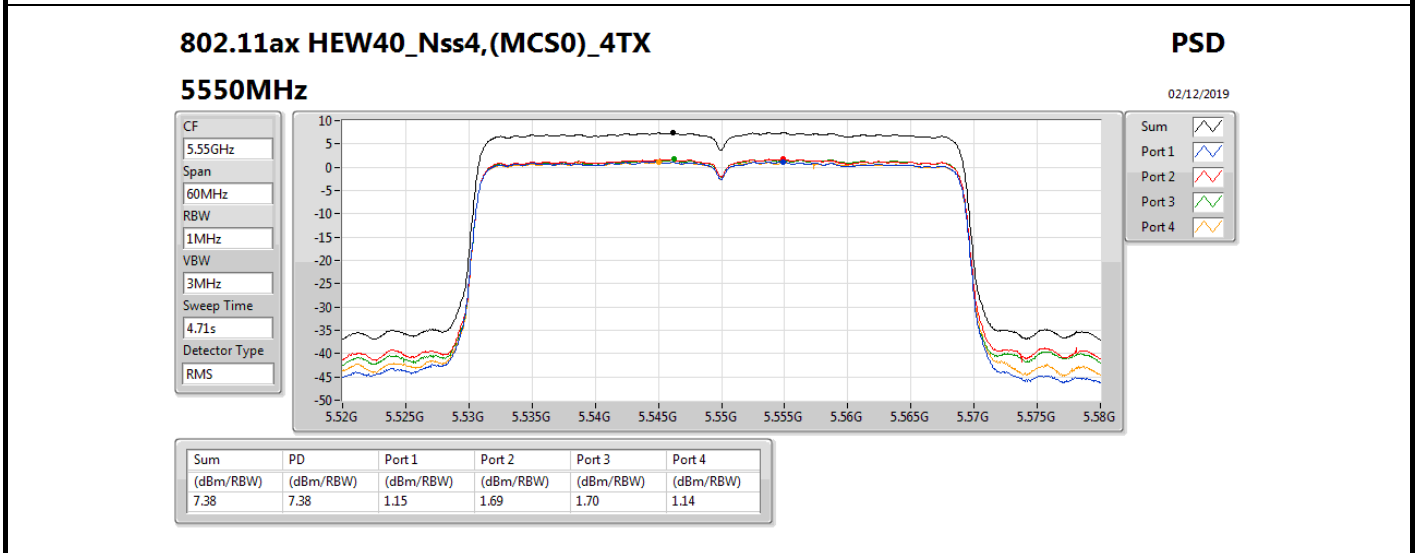
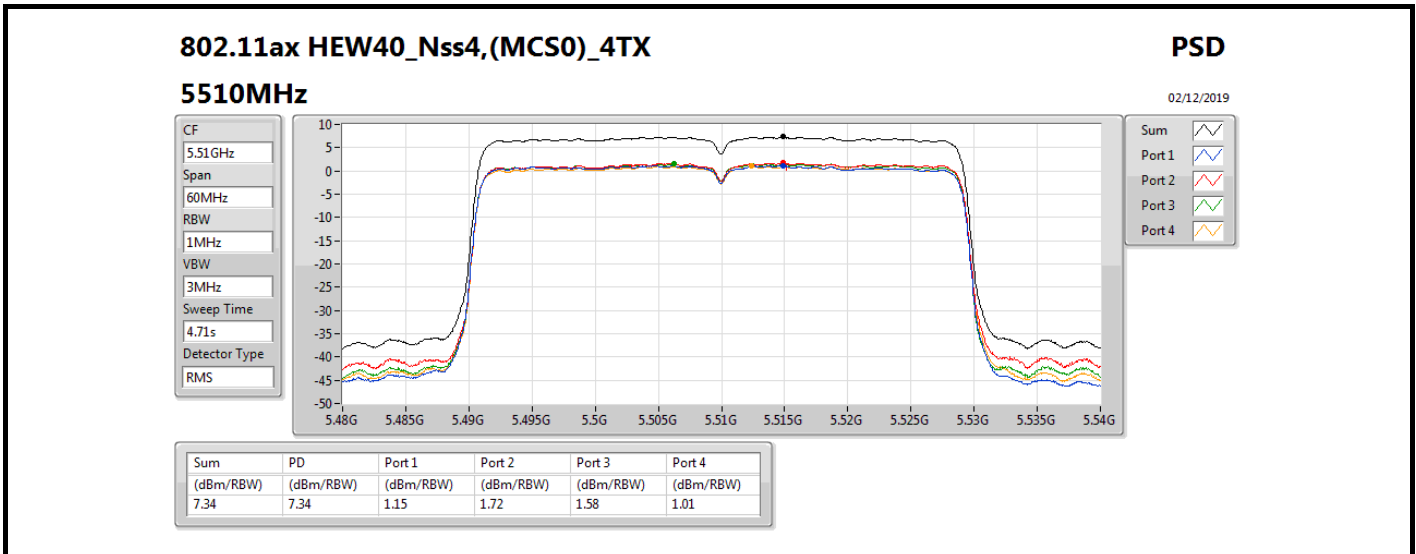
PSD

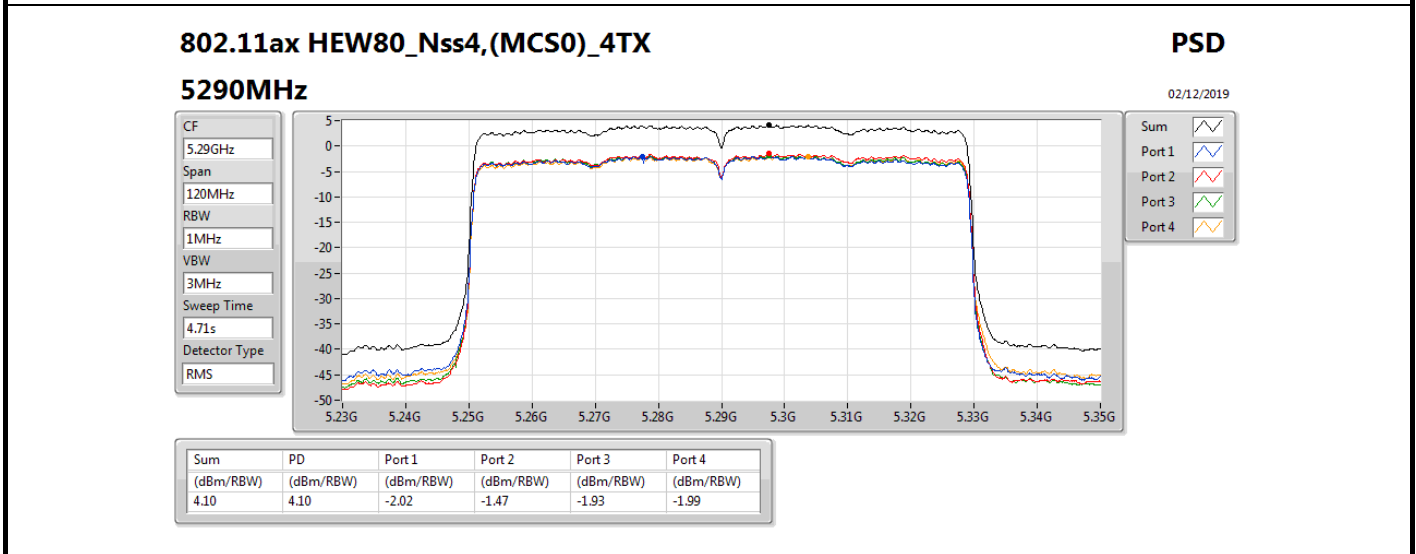
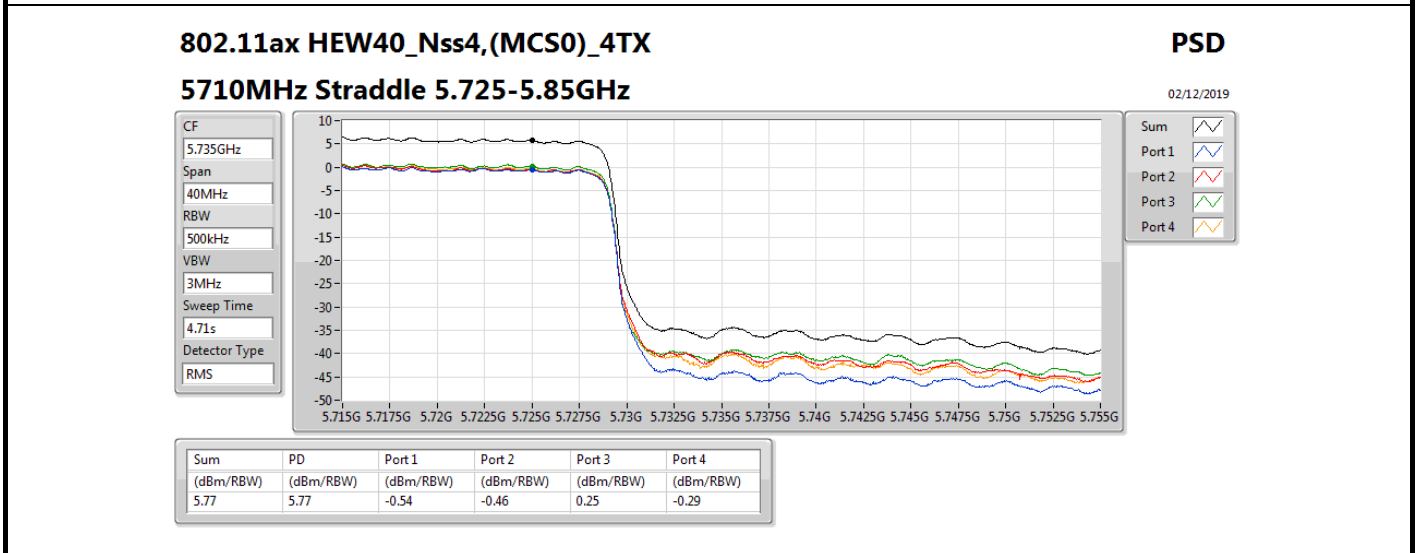
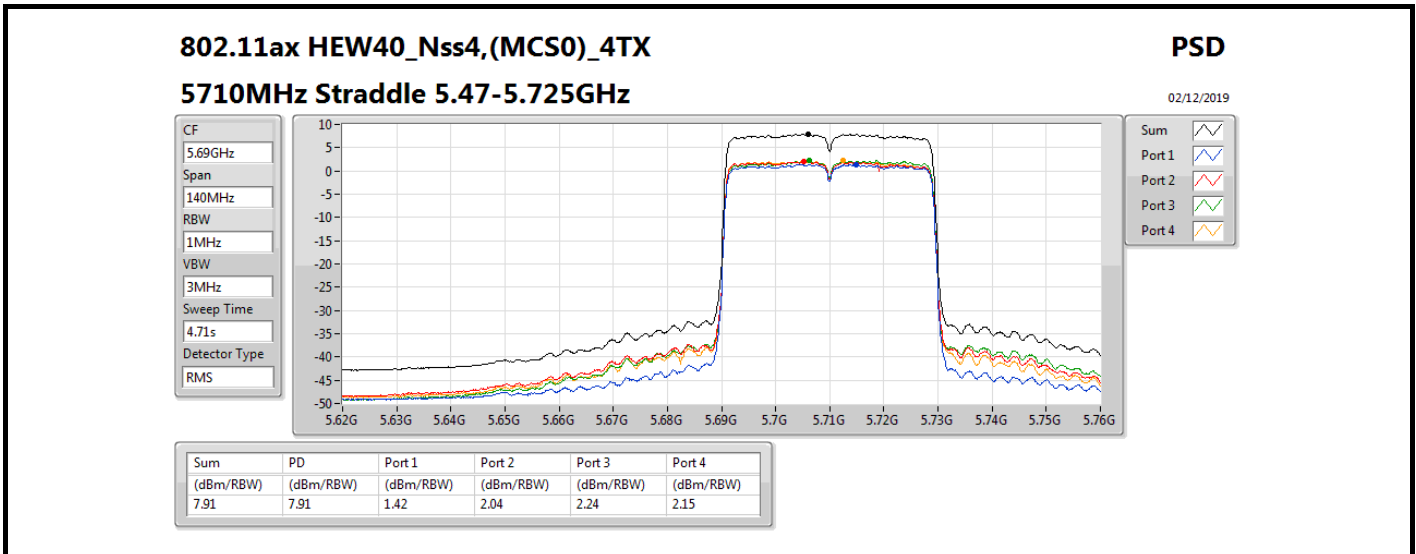
5310MHz

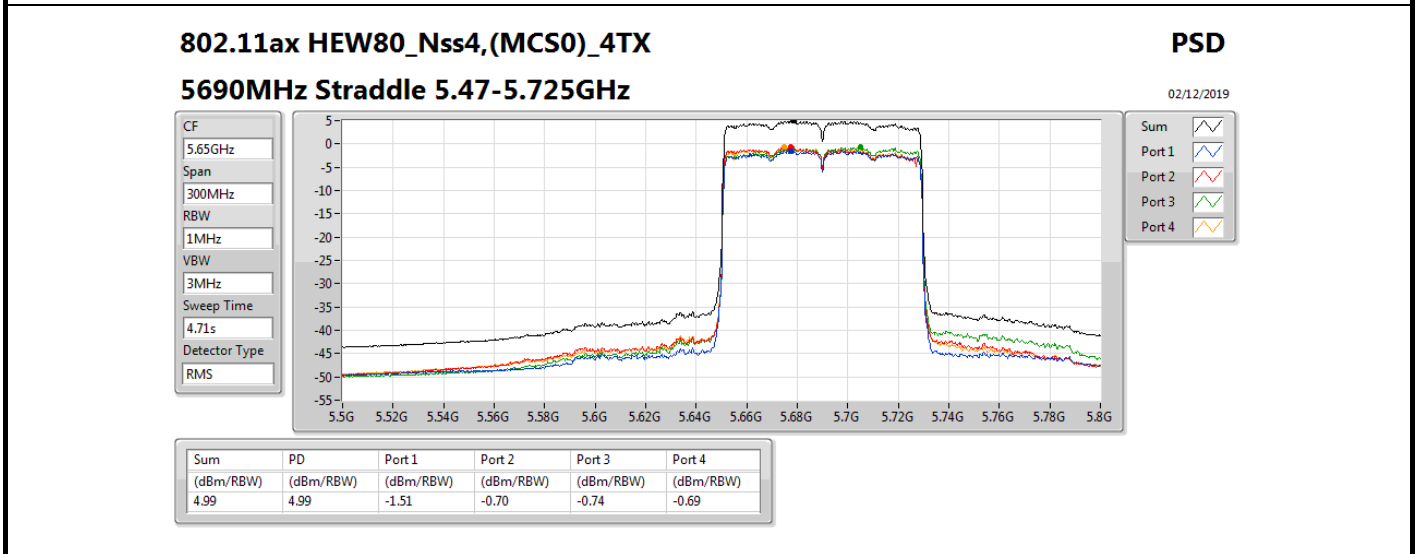
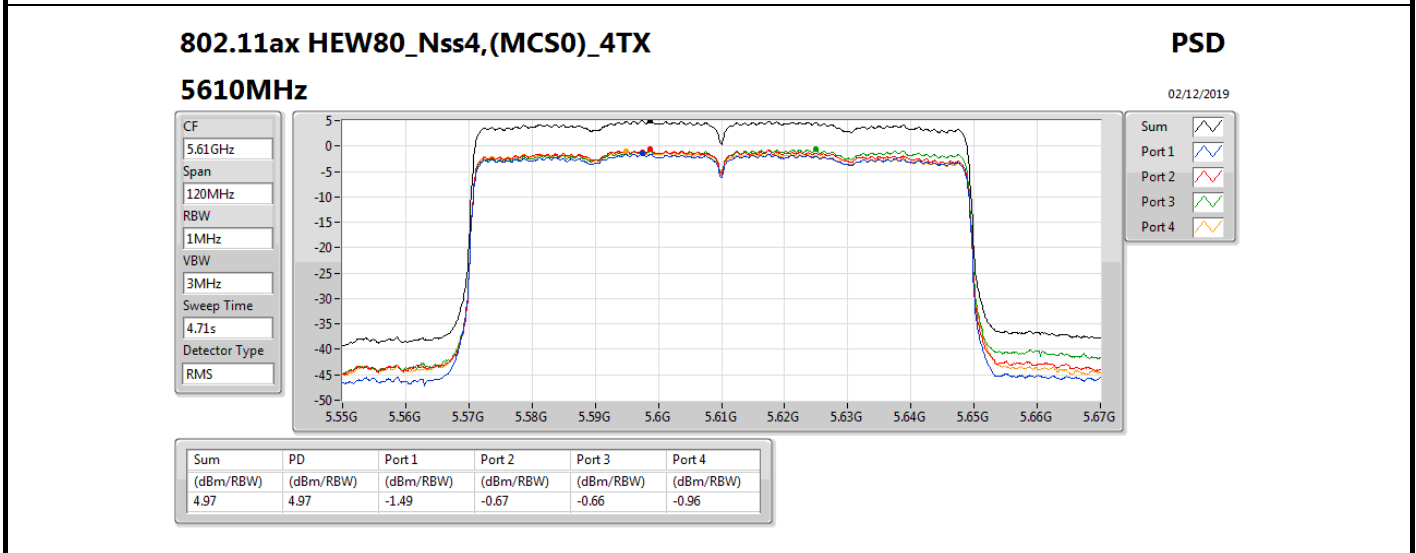
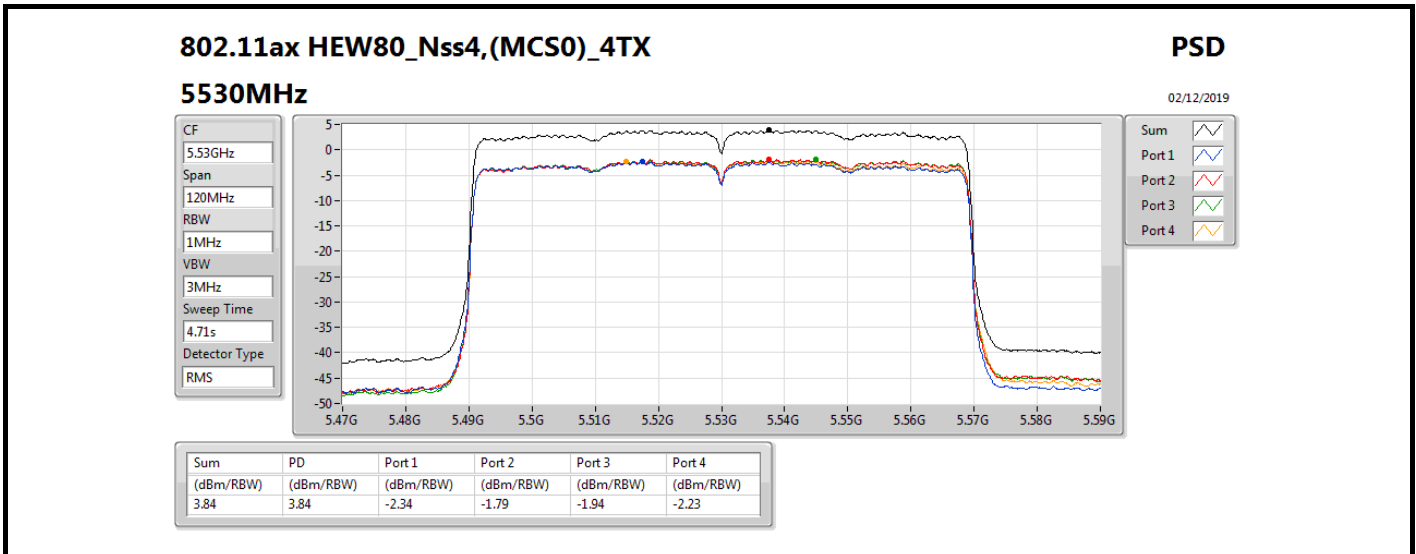
02/12/2019

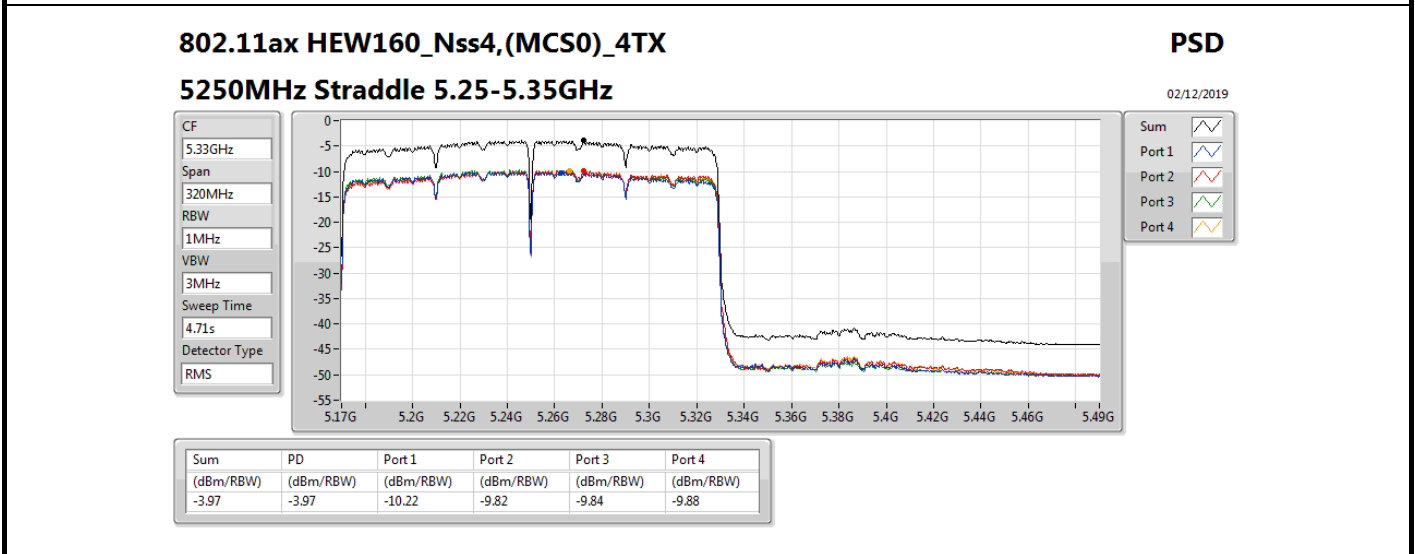
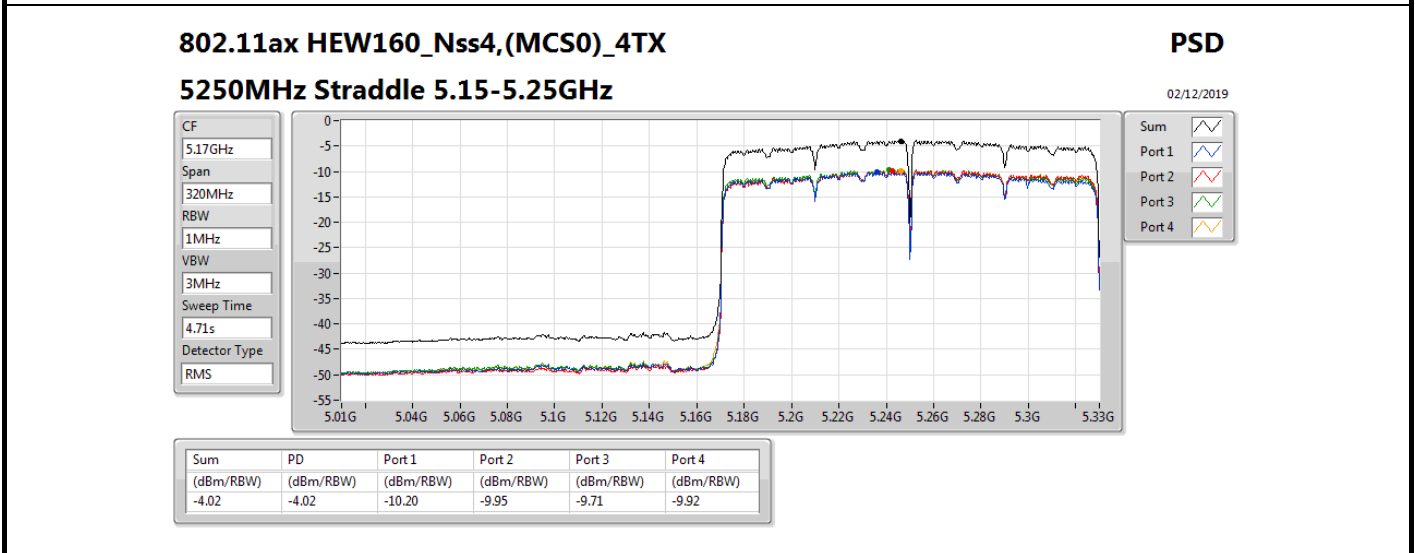
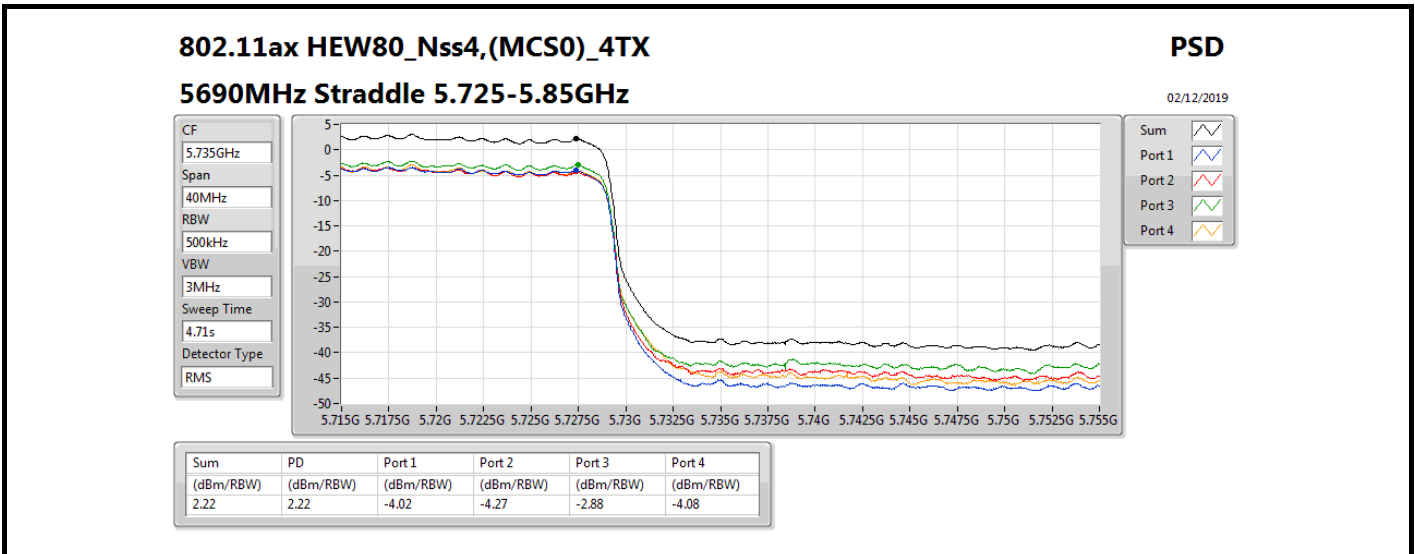


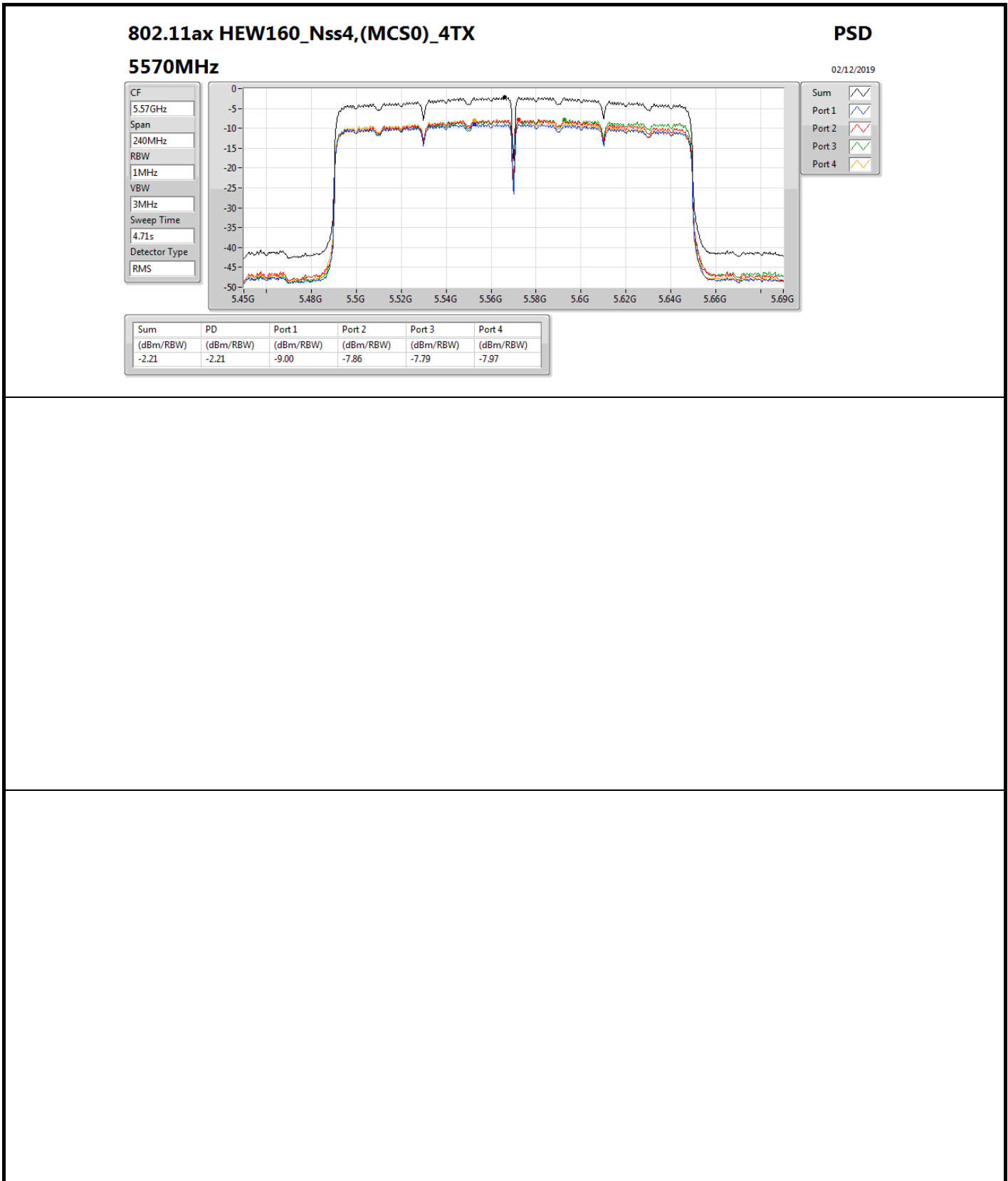
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.37	7.37	1.15	1.68	1.60	1.17













Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	10.42	15.44
802.11ac VHT20_Nss1,(MCS0)_1TX	9.98	15.00
802.11ac VHT40_Nss1,(MCS0)_1TX	6.82	11.84
802.11ac VHT80_Nss1,(MCS0)_1TX	0.32	5.34
802.11ax HEW20_Nss1,(MCS0)_1TX	10.04	15.06
802.11ax HEW40_Nss1,(MCS0)_1TX	6.95	11.97
802.11ax HEW80_Nss1,(MCS0)_1TX	0.45	5.47
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	10.78	15.80
802.11ac VHT20_Nss1,(MCS0)_1TX	10.90	15.92
802.11ac VHT40_Nss1,(MCS0)_1TX	7.50	12.52
802.11ac VHT80_Nss1,(MCS0)_1TX	4.52	9.54
802.11ax HEW20_Nss1,(MCS0)_1TX	10.95	15.97
802.11ax HEW40_Nss1,(MCS0)_1TX	7.60	12.62
802.11ax HEW80_Nss1,(MCS0)_1TX	4.38	9.40
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	9.04	14.06
802.11ac VHT20_Nss1,(MCS0)_1TX	9.10	14.12
802.11ac VHT40_Nss1,(MCS0)_1TX	5.43	10.45
802.11ac VHT80_Nss1,(MCS0)_1TX	1.60	6.62
802.11ax HEW20_Nss1,(MCS0)_1TX	9.21	14.23
802.11ax HEW40_Nss1,(MCS0)_1TX	5.65	10.67
802.11ax HEW80_Nss1,(MCS0)_1TX	1.83	6.85

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	5.02	10.42	10.42	11.00	15.44	17.00
5300MHz_TnomVnom	Pass	5.02	10.38	10.38	11.00	15.40	17.00
5320MHz_TnomVnom	Pass	5.02	9.12	9.12	11.00	14.14	17.00
5500MHz_TnomVnom	Pass	5.02	6.31	6.31	11.00	11.33	17.00
5580MHz_TnomVnom	Pass	5.02	10.33	10.33	11.00	15.35	17.00
5700MHz_TnomVnom	Pass	5.02	6.92	6.92	11.00	11.94	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.02	10.78	10.78	11.00	15.80	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.02	9.04	9.04	30.00	14.06	36.00
802.11ac_VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	5.02	9.98	9.98	11.00	15.00	17.00
5300MHz_TnomVnom	Pass	5.02	9.90	9.90	11.00	14.92	17.00
5320MHz_TnomVnom	Pass	5.02	7.56	7.56	11.00	12.58	17.00
5500MHz_TnomVnom	Pass	5.02	6.68	6.68	11.00	11.70	17.00
5580MHz_TnomVnom	Pass	5.02	9.99	9.99	11.00	15.01	17.00
5700MHz_TnomVnom	Pass	5.02	5.14	5.14	11.00	10.16	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.02	10.90	10.90	11.00	15.92	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.02	9.10	9.10	30.00	14.12	36.00
802.11ac_VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	5.02	6.82	6.82	11.00	11.84	17.00
5310MHz_TnomVnom	Pass	5.02	2.71	2.71	11.00	7.73	17.00
5510MHz_TnomVnom	Pass	5.02	2.31	2.31	11.00	7.33	17.00
5550MHz_TnomVnom	Pass	5.02	6.84	6.84	11.00	11.86	17.00
5670MHz_TnomVnom	Pass	5.02	6.50	6.50	11.00	11.52	17.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.02	7.50	7.50	11.00	12.52	17.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.02	5.43	5.43	30.00	10.45	36.00
802.11ac_VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	5.02	0.32	0.32	11.00	5.34	17.00
5530MHz_TnomVnom	Pass	5.02	0.36	0.36	11.00	5.38	17.00
5610MHz_TnomVnom	Pass	5.02	4.52	4.52	11.00	9.54	17.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.02	4.36	4.36	11.00	9.38	17.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.02	1.60	1.60	30.00	6.62	36.00
802.11ax_HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz_TnomVnom	Pass	5.02	10.04	10.04	11.00	15.06	17.00
5300MHz_TnomVnom	Pass	5.02	9.89	9.89	11.00	14.91	17.00
5320MHz_TnomVnom	Pass	5.02	7.44	7.44	11.00	12.46	17.00
5500MHz_TnomVnom	Pass	5.02	6.70	6.70	11.00	11.72	17.00
5580MHz_TnomVnom	Pass	5.02	10.03	10.03	11.00	15.05	17.00
5700MHz_TnomVnom	Pass	5.02	5.16	5.16	11.00	10.18	17.00
5720MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.02	10.95	10.95	11.00	15.97	17.00
5720MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.02	9.21	9.21	30.00	14.23	36.00
802.11ax_HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz_TnomVnom	Pass	5.02	6.95	6.95	11.00	11.97	17.00
5310MHz_TnomVnom	Pass	5.02	2.72	2.72	11.00	7.74	17.00



Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5510MHz_TnomVnom	Pass	5.02	2.33	2.33	11.00	7.35	17.00
5550MHz_TnomVnom	Pass	5.02	7.04	7.04	11.00	12.06	17.00
5670MHz_TnomVnom	Pass	5.02	6.38	6.38	11.00	11.40	17.00
5710MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.02	7.60	7.60	11.00	12.62	17.00
5710MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.02	5.65	5.65	30.00	10.67	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5290MHz_TnomVnom	Pass	5.02	0.45	0.45	11.00	5.47	17.00
5530MHz_TnomVnom	Pass	5.02	0.61	0.61	11.00	5.63	17.00
5610MHz_TnomVnom	Pass	5.02	4.26	4.26	11.00	9.28	17.00
5690MHz Straddle 5.47-5.725GHz_TnomVnom	Pass	5.02	4.38	4.38	11.00	9.40	17.00
5690MHz Straddle 5.725-5.85GHz_TnomVnom	Pass	5.02	1.83	1.83	30.00	6.85	36.00

DG = Directional Gain; **RBW** = 500 kHz 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;