



PSD_Non-Beamforming Indoor_Sample 2_Radio 1_Omni_2T2S Appendix D.6

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	-	-	-	-	-	-	-	-
5180MHz	Pass	11.01	3.55	3.66	6.51	11.99	17.52	23.00
5200MHz	Pass	11.01	8.99	9.07	11.99	11.99	23.00	23.00
5240MHz	Pass	11.01	8.86	8.99	11.80	11.99	22.81	23.00
5745MHz	Pass	11.01	5.76	6.45	9.07	24.99	20.08	36.00
5785MHz	Pass	11.01	2.91	3.54	6.20	24.99	17.21	36.00
5825MHz	Pass	11.01	-0.6	-0.57	2.35	24.99	13.36	36.00
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.00	2.22	2.39	5.22	15.00	13.22	23.00
5200MHz	Pass	8.00	6.66	6.8	9.69	15.00	17.69	23.00
5240MHz	Pass	8.00	8.84	8.92	11.82	15.00	19.82	23.00
5745MHz	Pass	8.00	5.28	5.82	8.48	28.00	16.48	36.00
5785MHz	Pass	8.00	3.59	4.27	6.79	28.00	14.79	36.00
5825MHz	Pass	8.00	-2.34	-2	0.71	28.00	8.71	36.00
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.00	-2.24	-2.55	0.57	15.00	8.57	23.00
5230MHz	Pass	8.00	2.79	2.29	5.48	15.00	13.48	23.00
5755MHz	Pass	8.00	1.15	0.89	3.99	28.00	11.99	36.00
5795MHz	Pass	8.00	2.41	2.15	5.23	28.00	13.23	36.00
802.11ac VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-5.91	-5.89	-3.06	15.00	4.94	23.00
5775MHz	Pass	8.00	-3.92	-3.37	-0.80	28.00	7.20	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.00	2.35	2.46	5.36	15.00	13.36	23.00
5200MHz	Pass	8.00	6.9	6.86	9.86	15.00	17.86	23.00
5240MHz	Pass	8.00	8.83	9.04	11.92	15.00	19.92	23.00
5745MHz	Pass	8.00	5.27	5.66	8.41	28.00	16.41	36.00
5785MHz	Pass	8.00	3.45	3.96	6.68	28.00	14.68	36.00
5825MHz	Pass	8.00	-2.44	-1.87	0.77	28.00	8.77	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.00	-2.67	-2.65	0.25	15.00	8.25	23.00
5230MHz	Pass	8.00	2.35	2	5.14	15.00	13.14	23.00
5755MHz	Pass	8.00	0.52	0.59	3.48	28.00	11.48	36.00
5795MHz	Pass	8.00	1.95	1.9	4.93	28.00	12.93	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-6.05	-6.02	-3.16	15.00	4.84	23.00
5775MHz	Pass	8.00	-4.16	-3.6	-0.92	28.00	7.08	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;



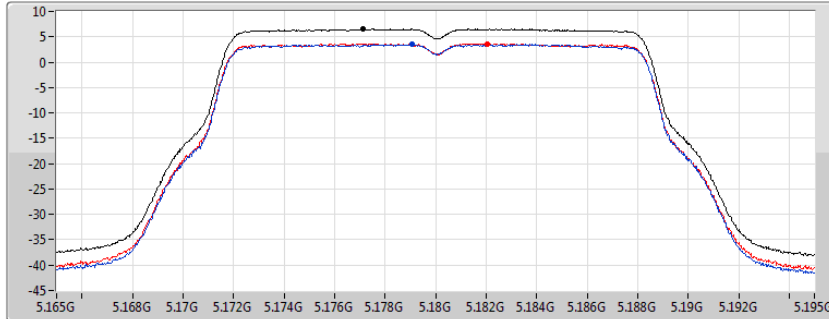
802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

05/02/2020

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.51	6.51	3.55	3.66

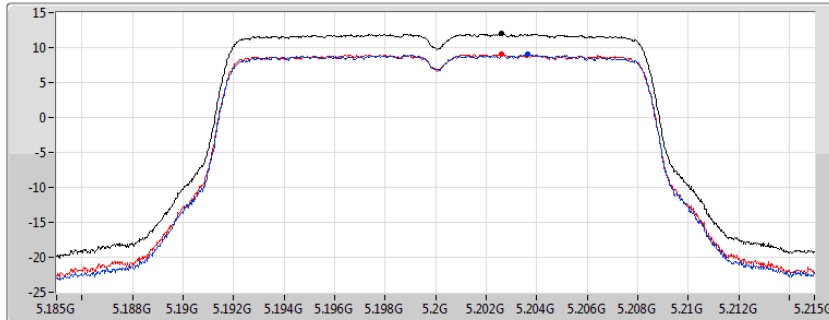
802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

05/02/2020

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.99	11.99	8.99	9.07

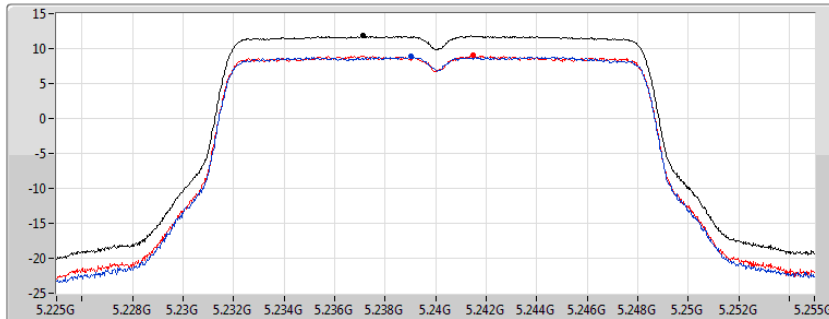
802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

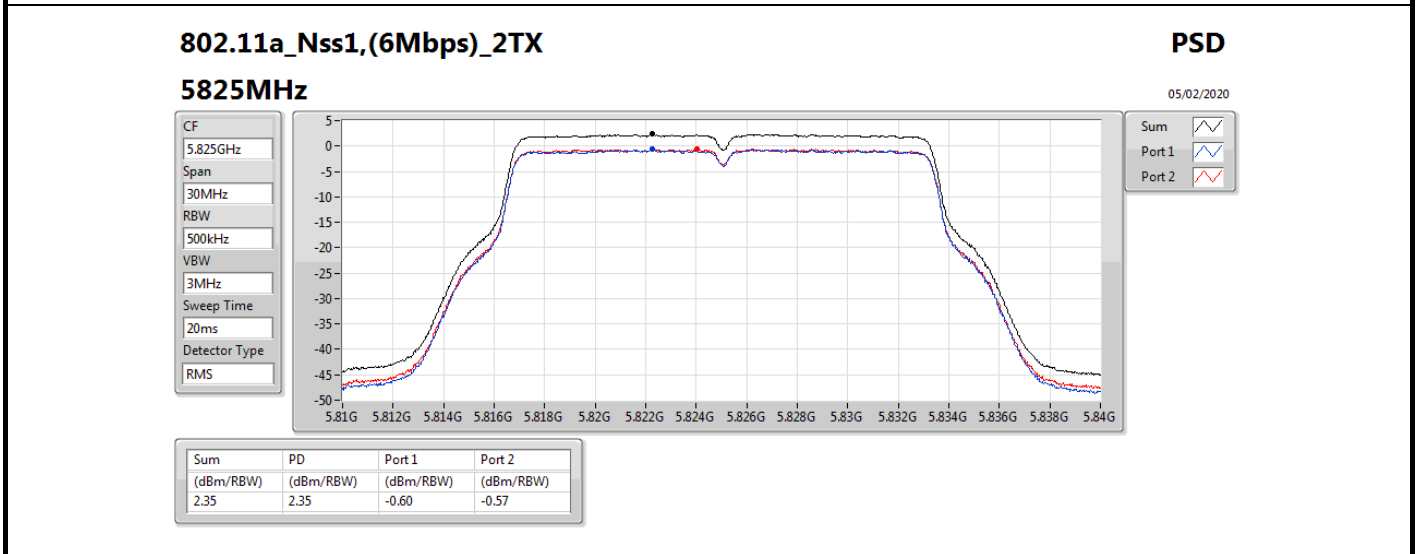
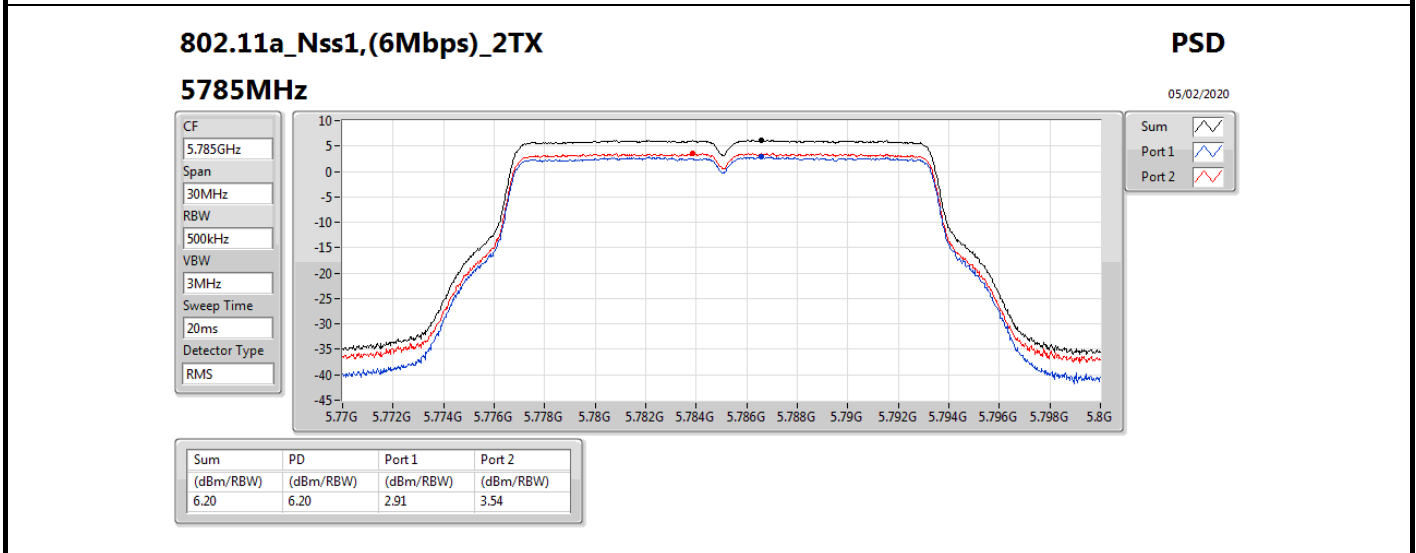
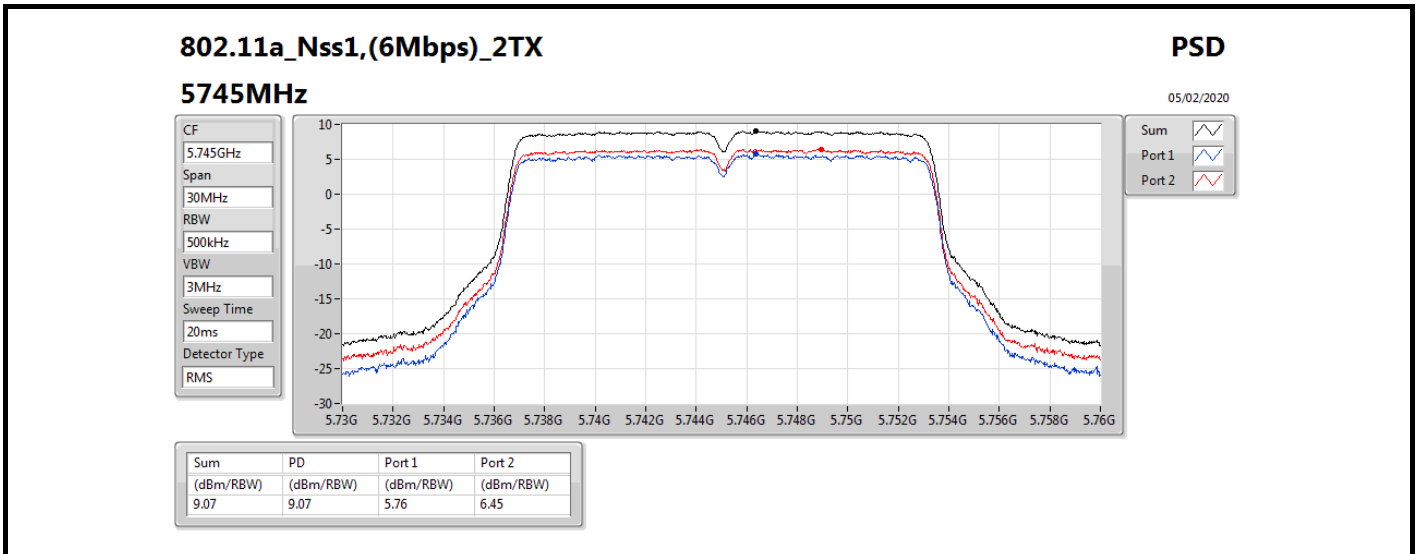
05/02/2020

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.80	11.80	8.86	8.99





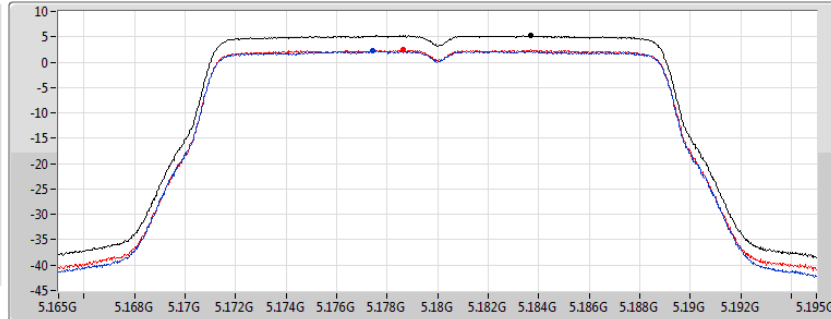
802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5180MHz

05/02/2020

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.22	5.22	2.22	2.39

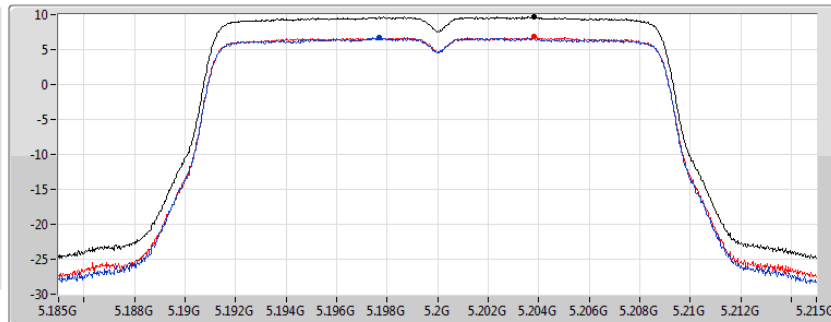
802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5200MHz

05/02/2020

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.69	9.69	6.66	6.80

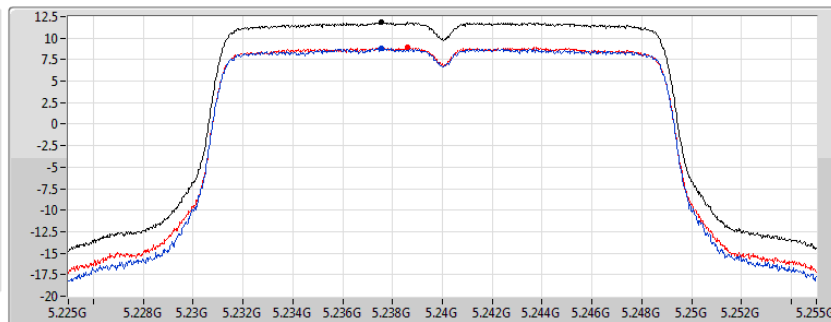
802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5240MHz

05/02/2020

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.82	11.82	8.84	8.92



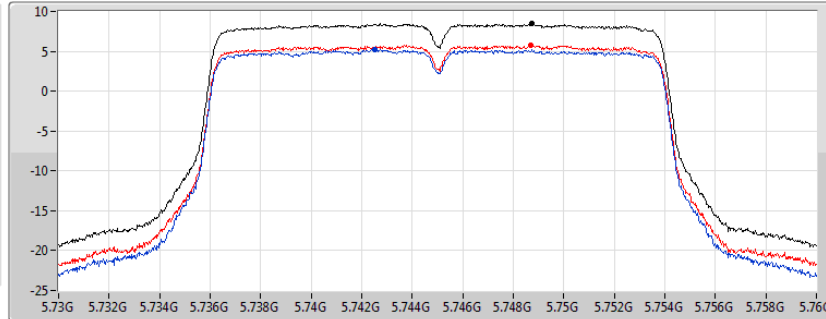
802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5745MHz

05/02/2020

CF
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.48	8.48	5.28	5.82

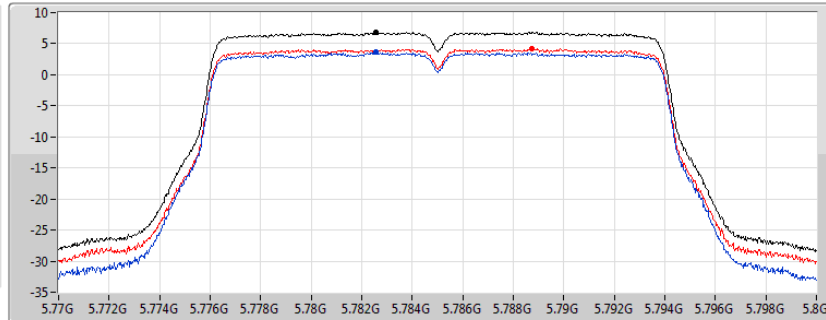
802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5785MHz

05/02/2020

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.79	6.79	3.59	4.27

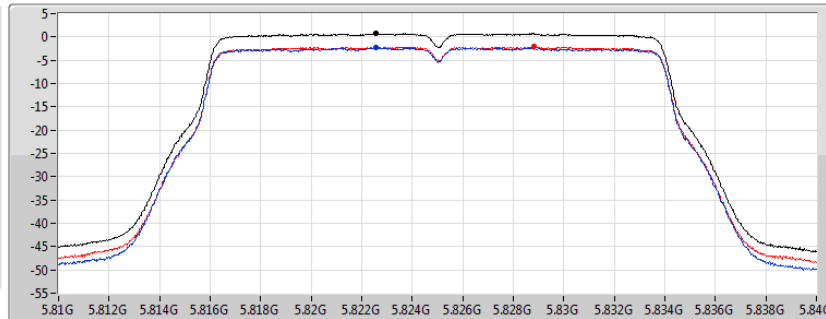
802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5825MHz

05/02/2020

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.71	0.71	-2.34	-2.00



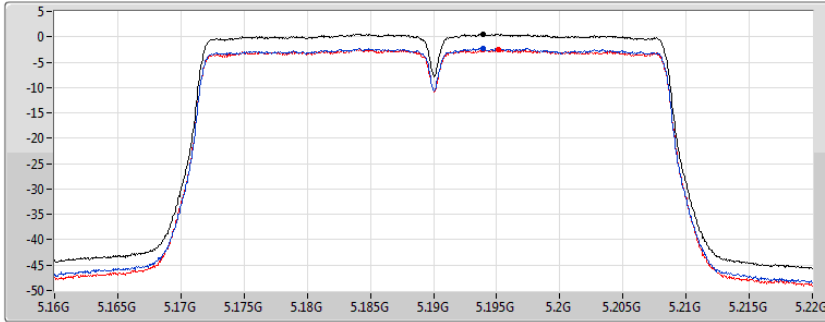
802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5190MHz

05/02/2020

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.57	0.57	-2.24	-2.55

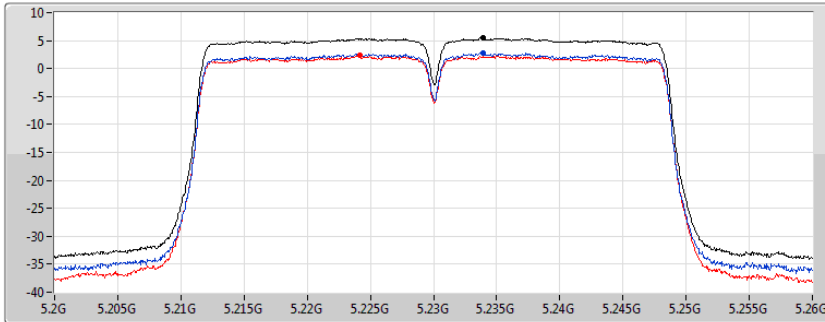
802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5230MHz

05/02/2020

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.48	5.48	2.79	2.29

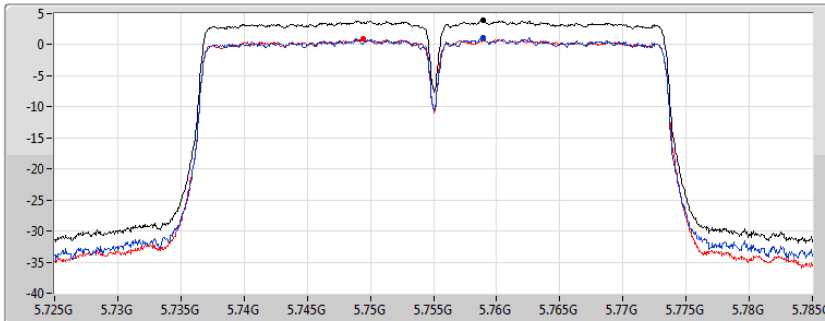
802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5755MHz

05/02/2020

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.99	3.99	1.15	0.89



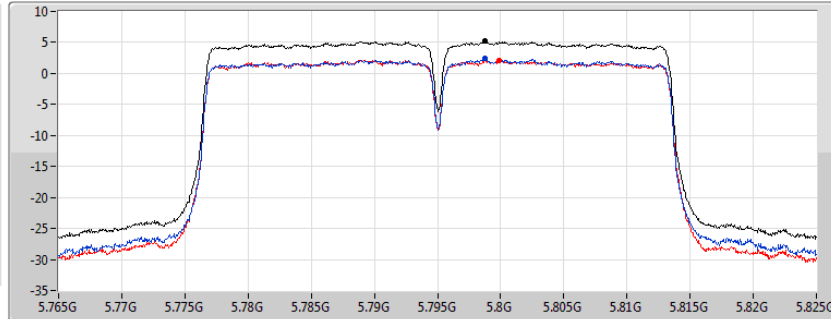
802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5795MHz

05/02/2020

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.23	5.23	2.41	2.15

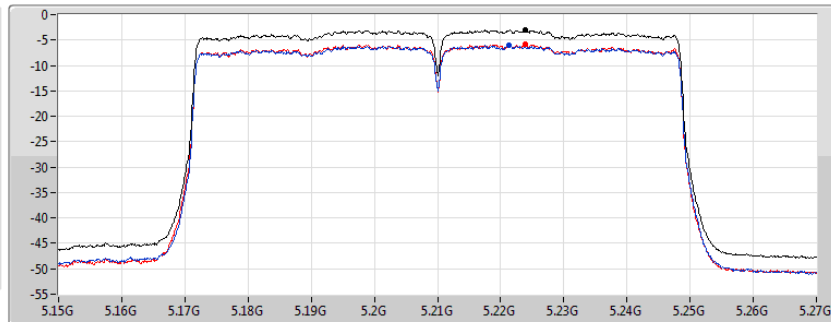
802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5210MHz

05/02/2020

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.06	-3.06	-5.91	-5.89

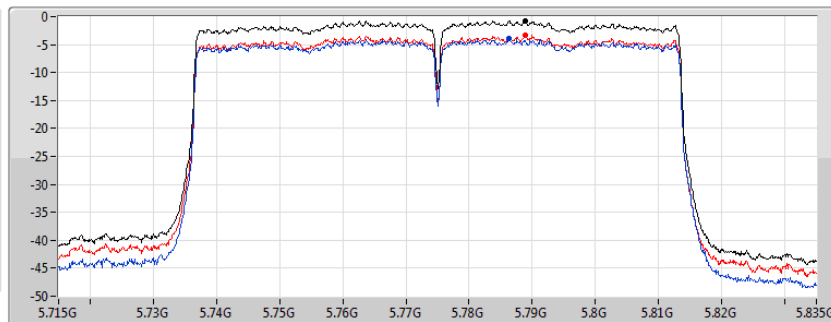
802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5775MHz

05/02/2020

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.80	-0.80	-3.92	-3.37



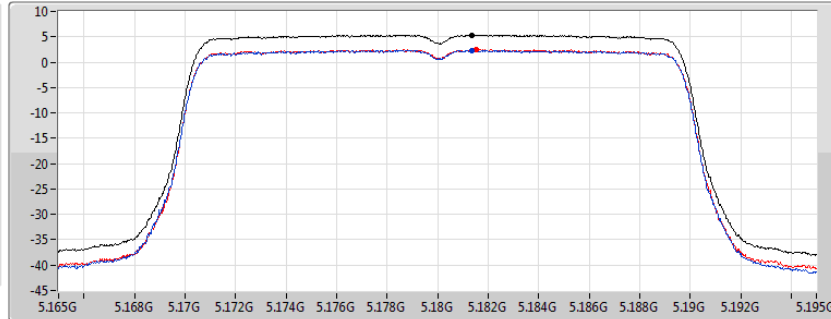
802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

05/02/2020

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.36	5.36	2.35	2.46

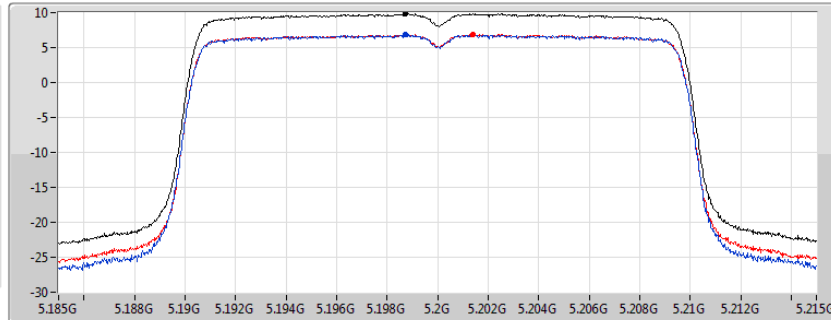
802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

05/02/2020

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.86	9.86	6.90	6.86

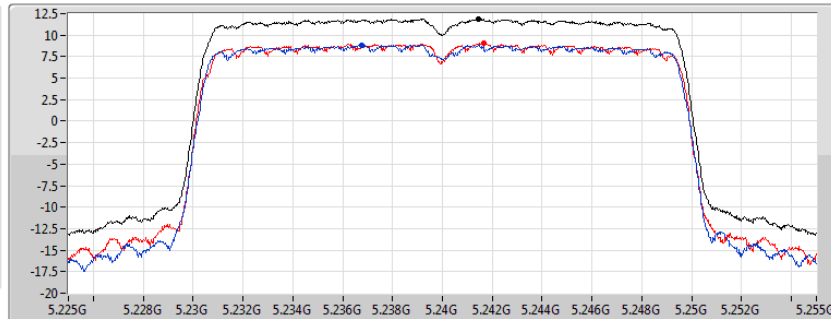
802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

05/02/2020

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.92	11.92	8.83	9.04

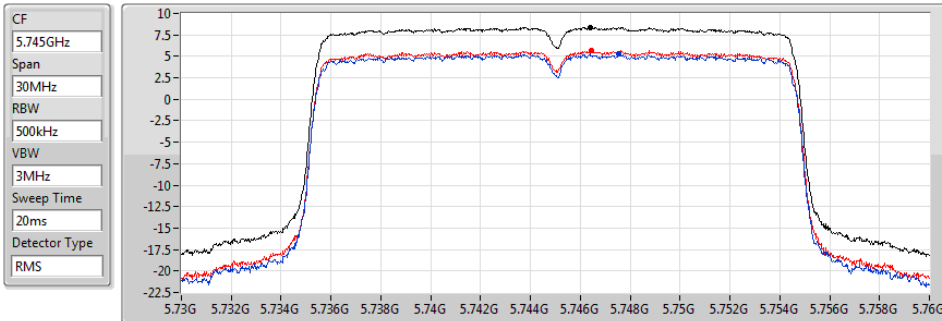


802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

05/02/2020



Sum

Port 1

Port 2

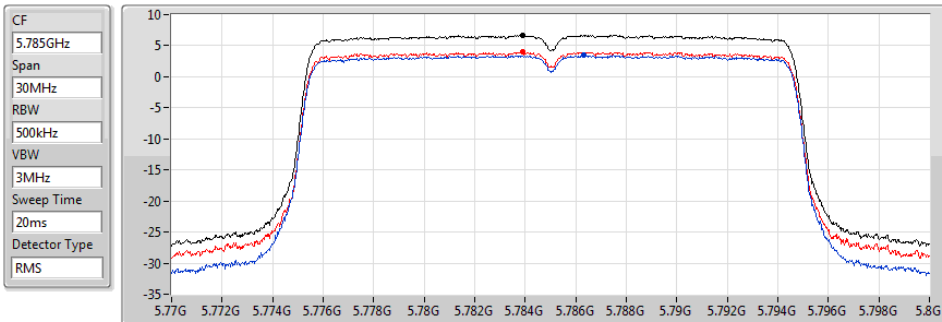
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.41	8.41	5.27	5.66

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5785MHz

05/02/2020



Sum

Port 1

Port 2

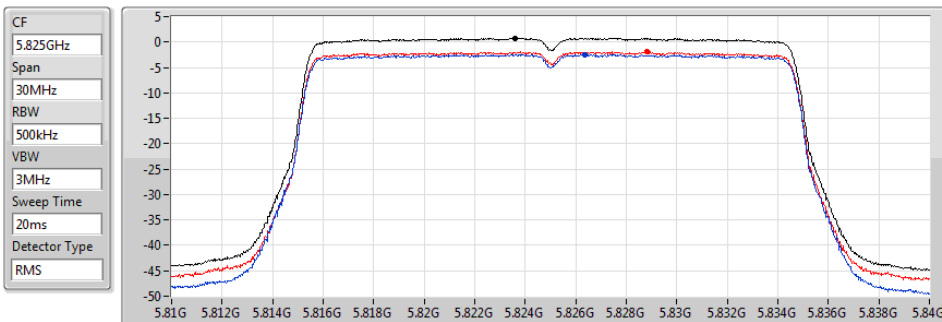
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.68	6.68	3.45	3.96

802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

05/02/2020



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.77	0.77	-2.44	-1.87



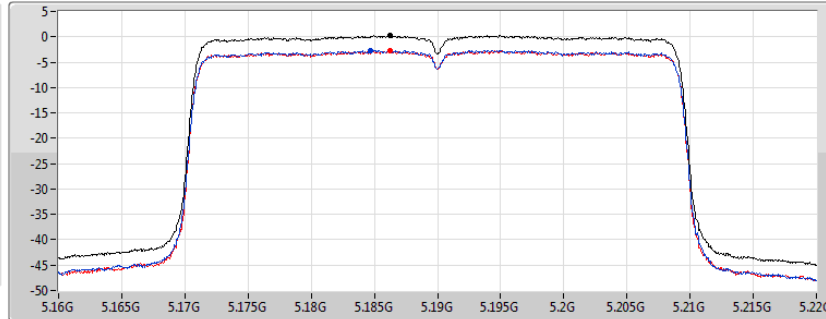
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

05/02/2020

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.25	0.25	-2.67	-2.65

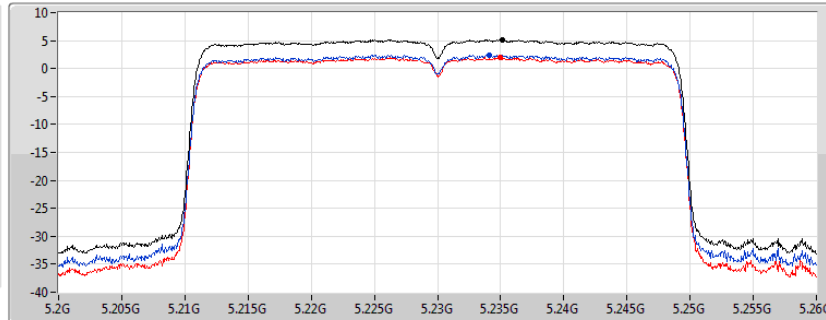
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

05/02/2020

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.14	5.14	2.35	2.00

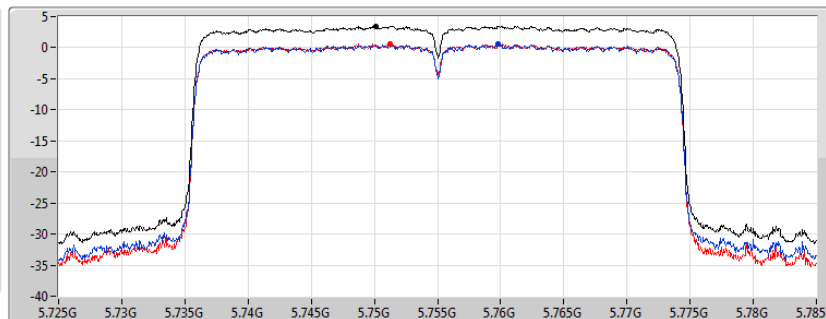
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

05/02/2020

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.48	3.48	0.52	0.59

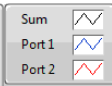
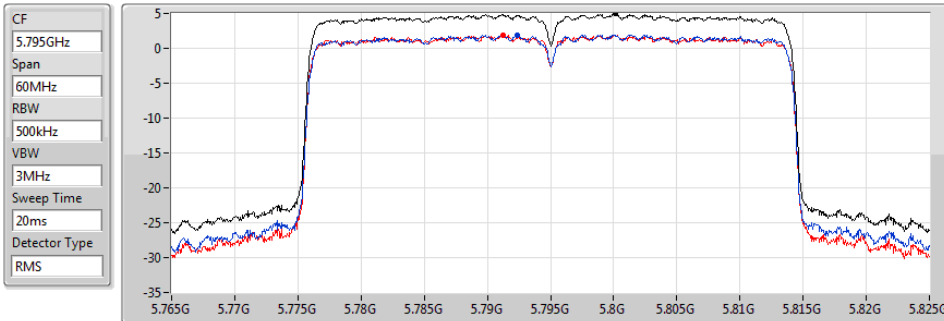


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

05/02/2020



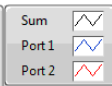
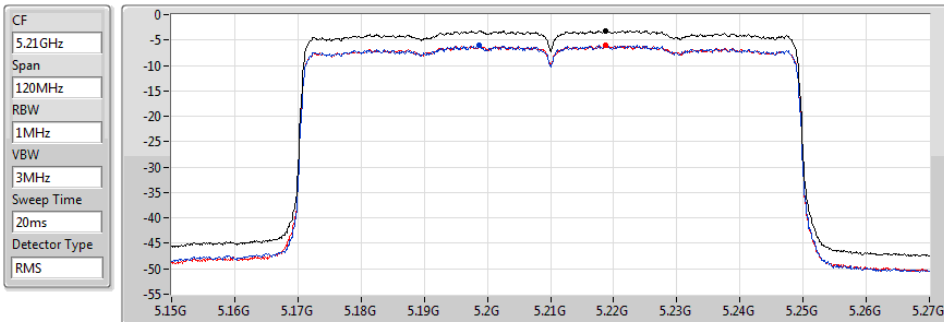
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.93	4.93	1.95	1.90

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

05/02/2020



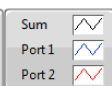
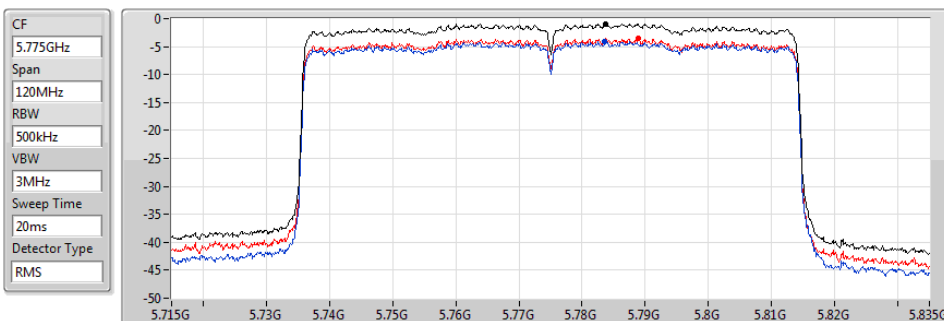
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.16	-3.16	-6.05	-6.02

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

05/02/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.92	-0.92	-4.16	-3.60



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	10.20	20.90
802.11ac VHT20_Nss1,(MCS0)_1TX	9.69	20.39
802.11ac VHT40_Nss1,(MCS0)_1TX	4.43	15.13
802.11ac VHT80_Nss1,(MCS0)_1TX	-4.17	6.53
802.11ax HEW20_Nss1,(MCS0)_1TX	9.70	20.40
802.11ax HEW40_Nss1,(MCS0)_1TX	4.46	15.16
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.97	6.73
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	8.53	19.23
802.11ac VHT20_Nss1,(MCS0)_1TX	8.09	18.79
802.11ac VHT40_Nss1,(MCS0)_1TX	4.04	14.74
802.11ac VHT80_Nss1,(MCS0)_1TX	-3.89	6.81
802.11ax HEW20_Nss1,(MCS0)_1TX	7.87	18.57
802.11ax HEW40_Nss1,(MCS0)_1TX	4.11	14.81
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.66	7.04

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

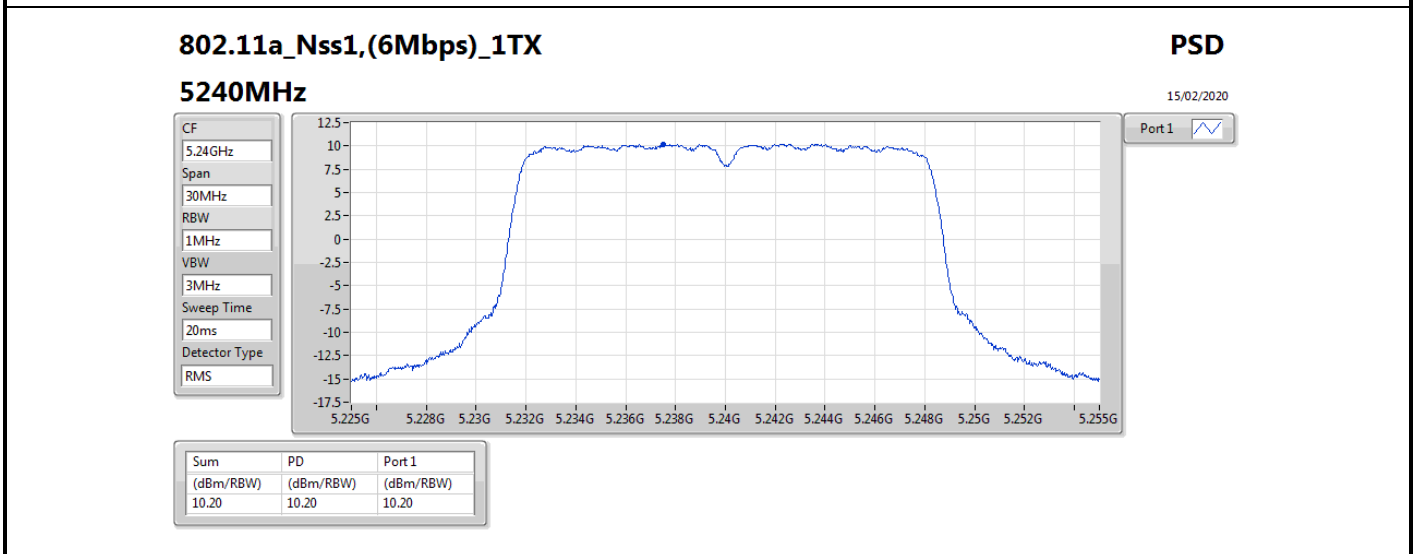
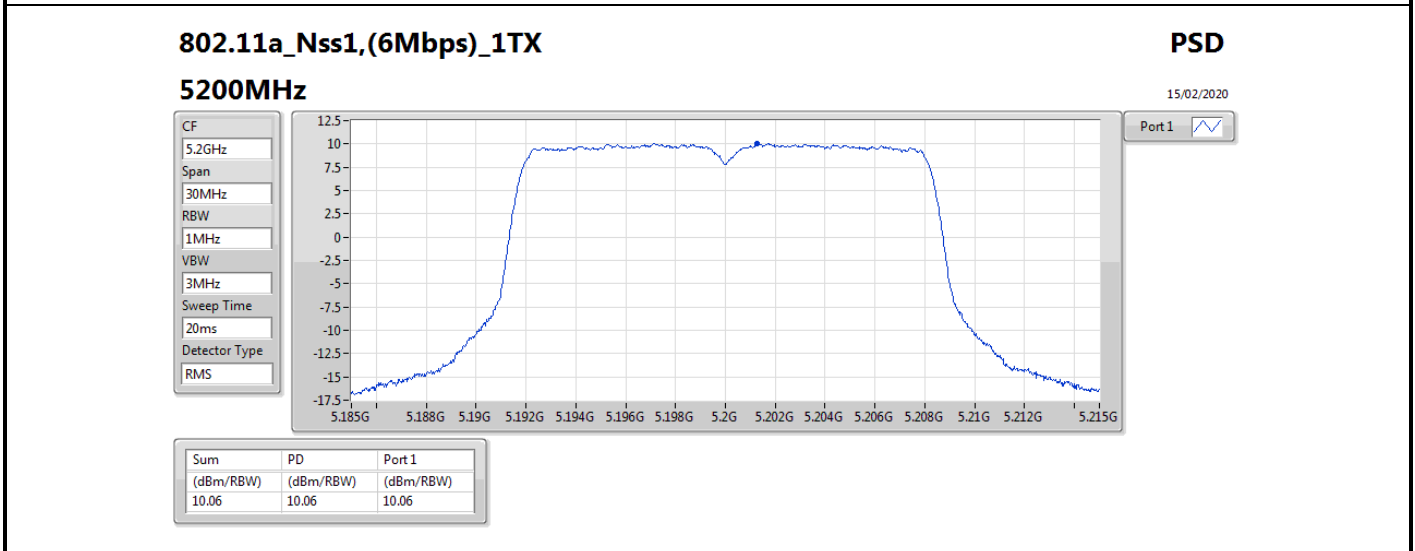
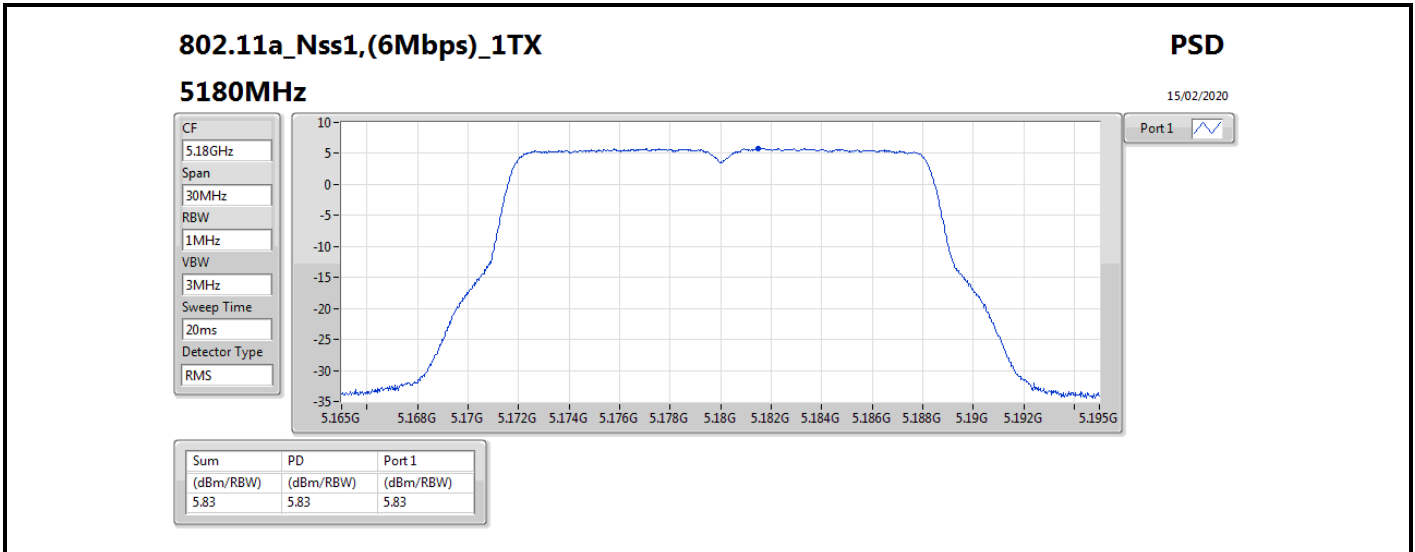


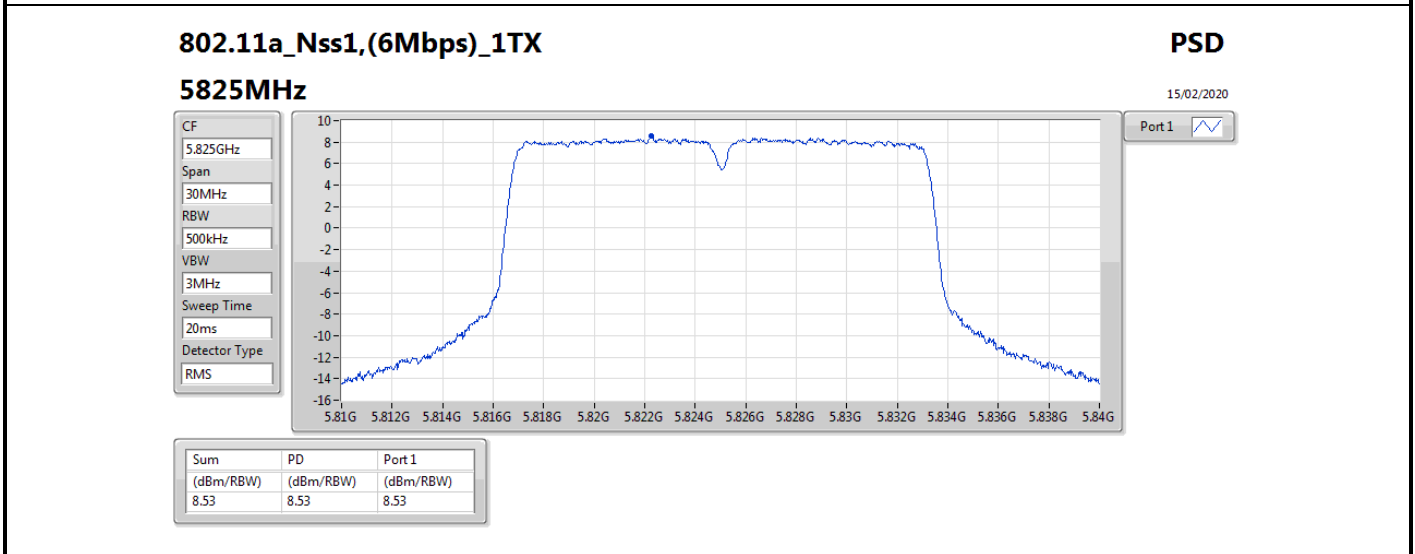
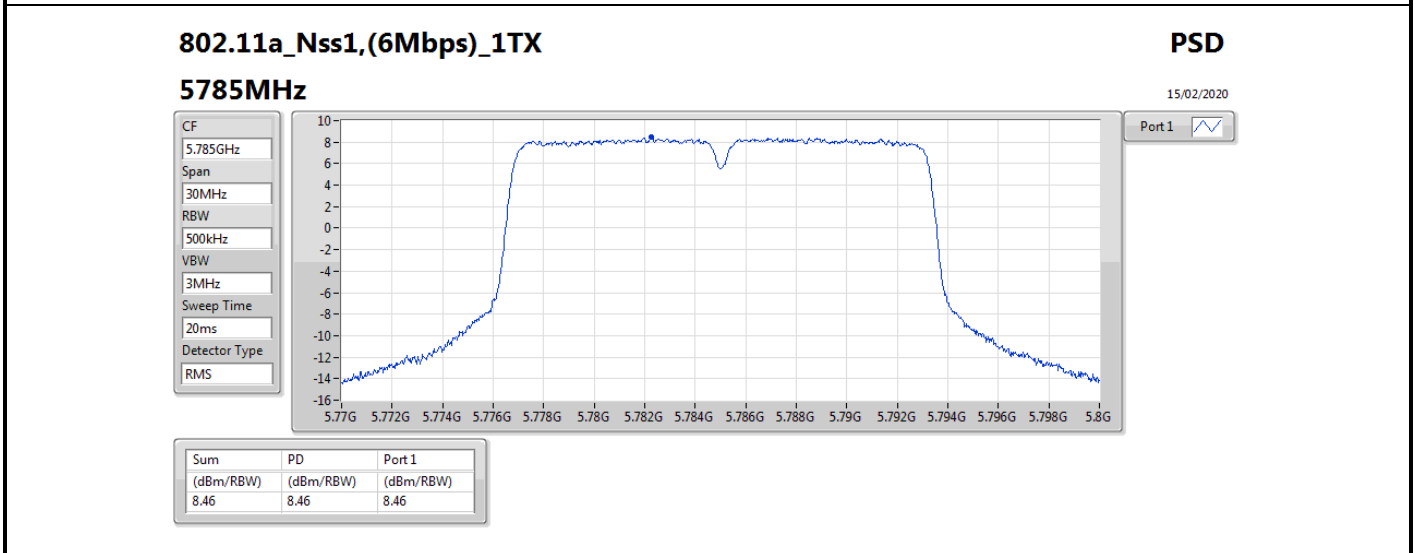
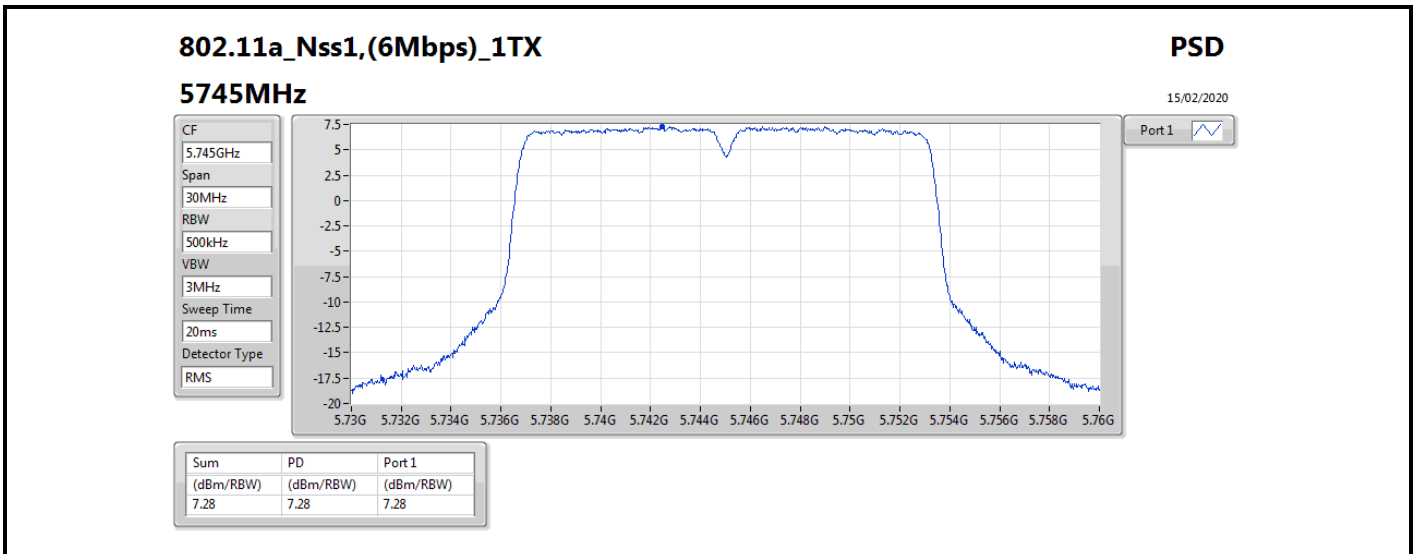
Result

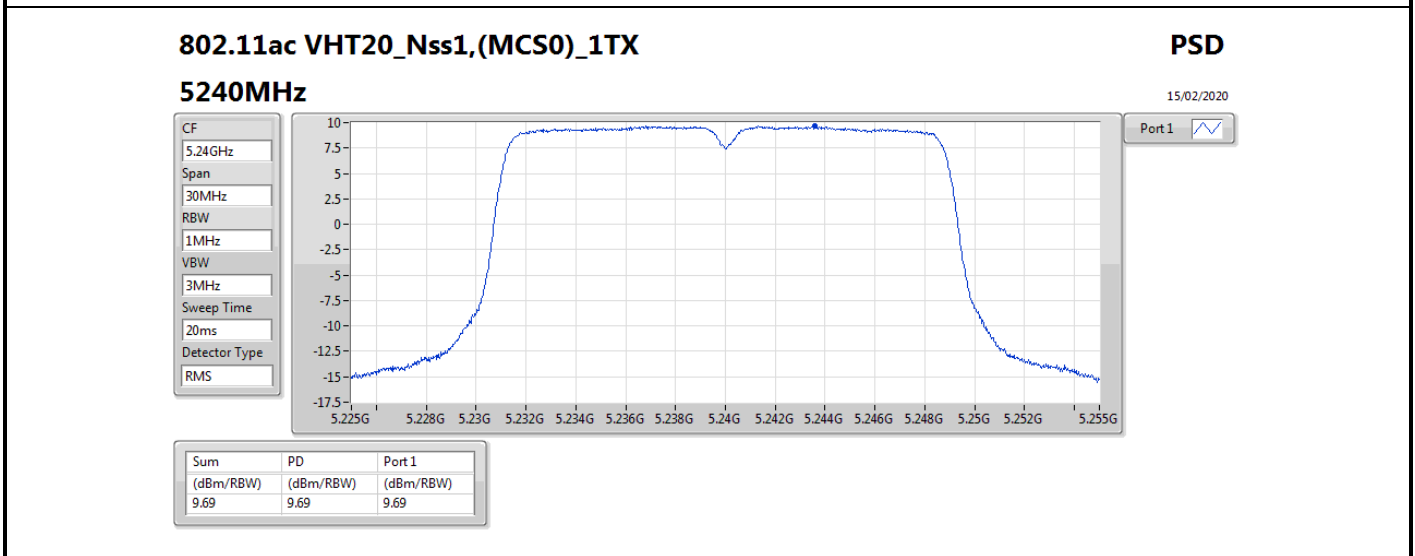
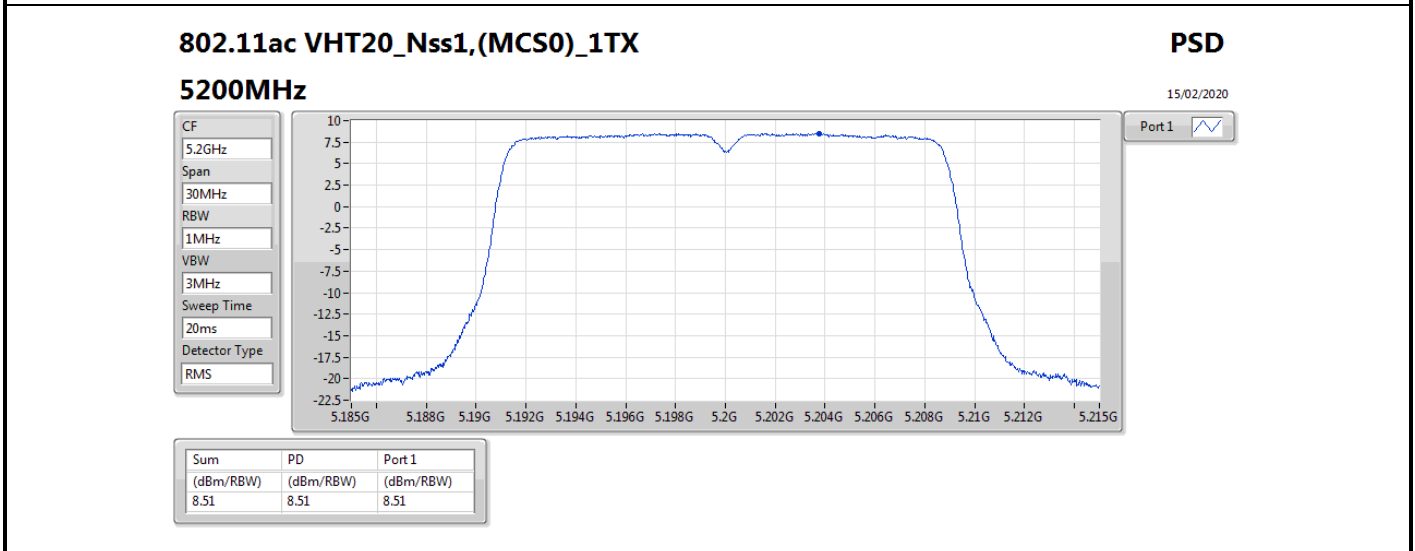
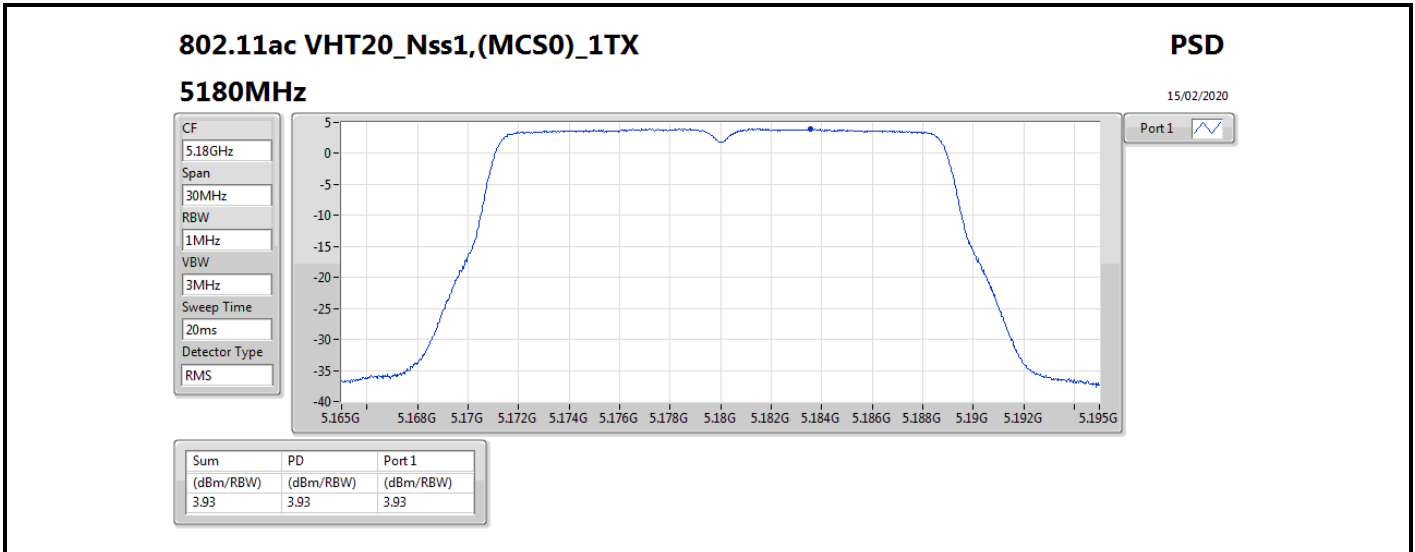
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	10.70	5.83	5.83	12.30	16.53	23.00
5200MHz	Pass	10.70	10.06	10.06	12.30	20.76	23.00
5240MHz	Pass	10.70	10.20	10.20	12.30	20.90	23.00
5745MHz	Pass	10.70	7.28	7.28	25.30	17.98	36.00
5785MHz	Pass	10.70	8.46	8.46	25.30	19.16	36.00
5825MHz	Pass	10.70	8.53	8.53	25.30	19.23	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	10.70	3.93	3.93	12.30	14.63	23.00
5200MHz	Pass	10.70	8.51	8.51	12.30	19.21	23.00
5240MHz	Pass	10.70	9.69	9.69	12.30	20.39	23.00
5745MHz	Pass	10.70	6.01	6.01	25.30	16.71	36.00
5785MHz	Pass	10.70	8.09	8.09	25.30	18.79	36.00
5825MHz	Pass	10.70	8.00	8.00	25.30	18.70	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-0.38	-0.38	12.30	10.32	23.00
5230MHz	Pass	10.70	4.43	4.43	12.30	15.13	23.00
5755MHz	Pass	10.70	2.86	2.86	25.30	13.56	36.00
5795MHz	Pass	10.70	4.04	4.04	25.30	14.74	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-4.17	-4.17	12.30	6.53	23.00
5775MHz	Pass	10.70	-3.89	-3.89	25.30	6.81	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	10.70	3.77	3.77	12.30	14.47	23.00
5200MHz	Pass	10.70	8.59	8.59	12.30	19.29	23.00
5240MHz	Pass	10.70	9.70	9.70	12.30	20.40	23.00
5745MHz	Pass	10.70	5.95	5.95	25.30	16.65	36.00
5785MHz	Pass	10.70	7.87	7.87	25.30	18.57	36.00
5825MHz	Pass	10.70	7.84	7.84	25.30	18.54	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-0.43	-0.43	12.30	10.27	23.00
5230MHz	Pass	10.70	4.46	4.46	12.30	15.16	23.00
5755MHz	Pass	10.70	2.89	2.89	25.30	13.59	36.00
5795MHz	Pass	10.70	4.11	4.11	25.30	14.81	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-3.97	-3.97	12.30	6.73	23.00
5775MHz	Pass	10.70	-3.66	-3.66	25.30	7.04	36.00

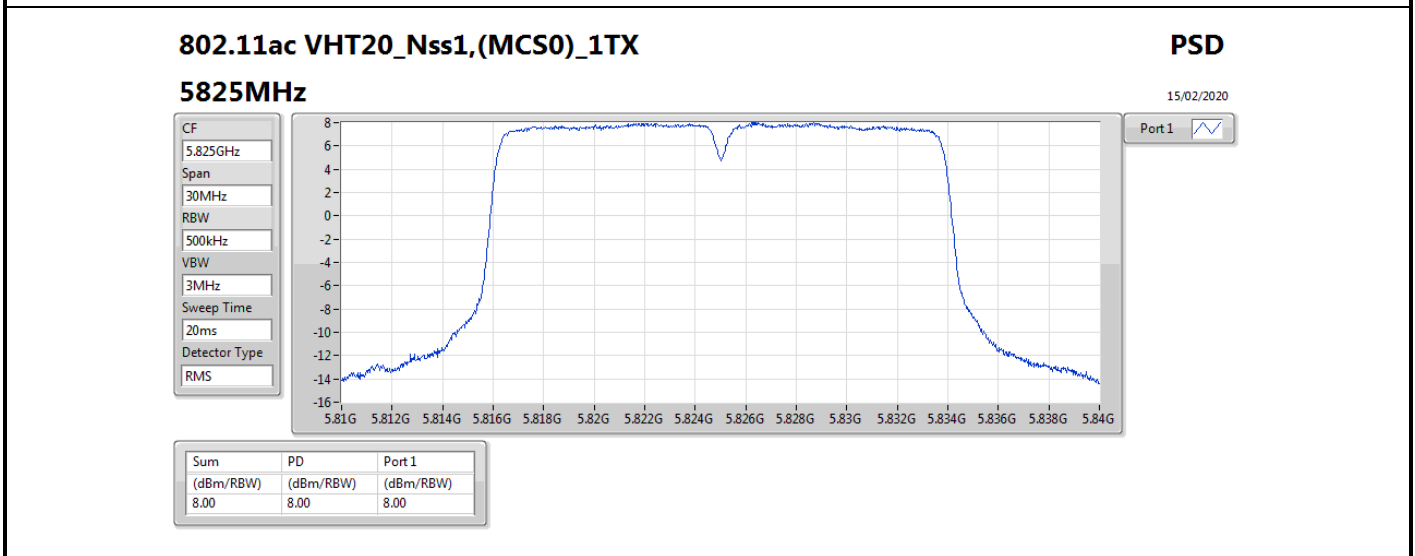
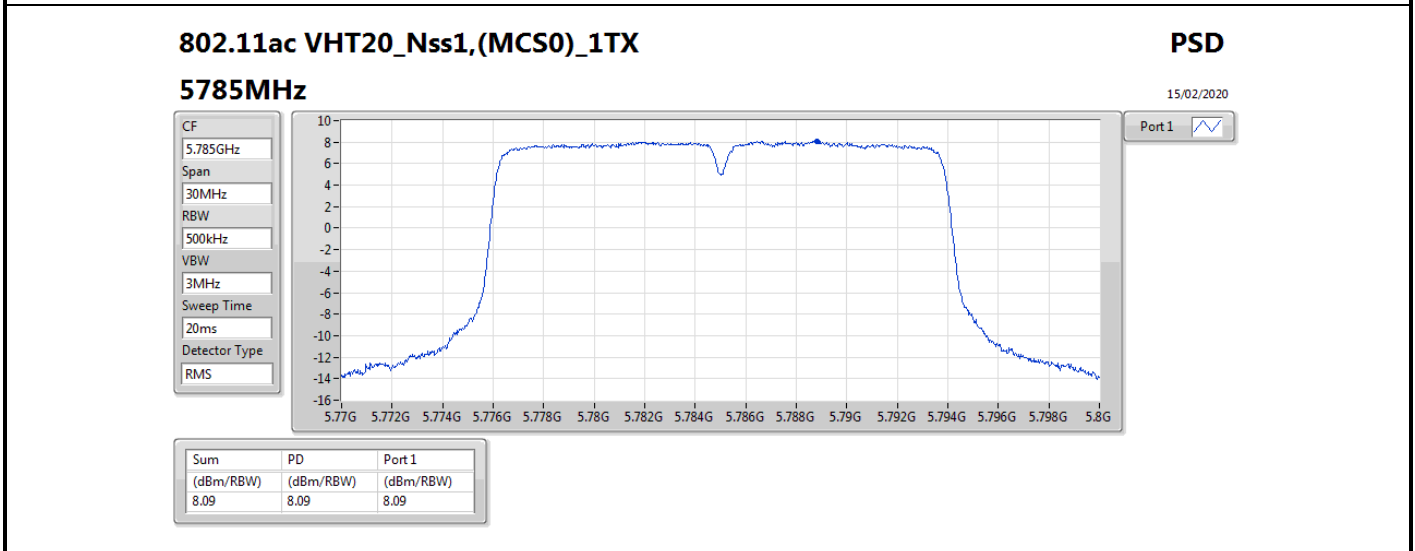
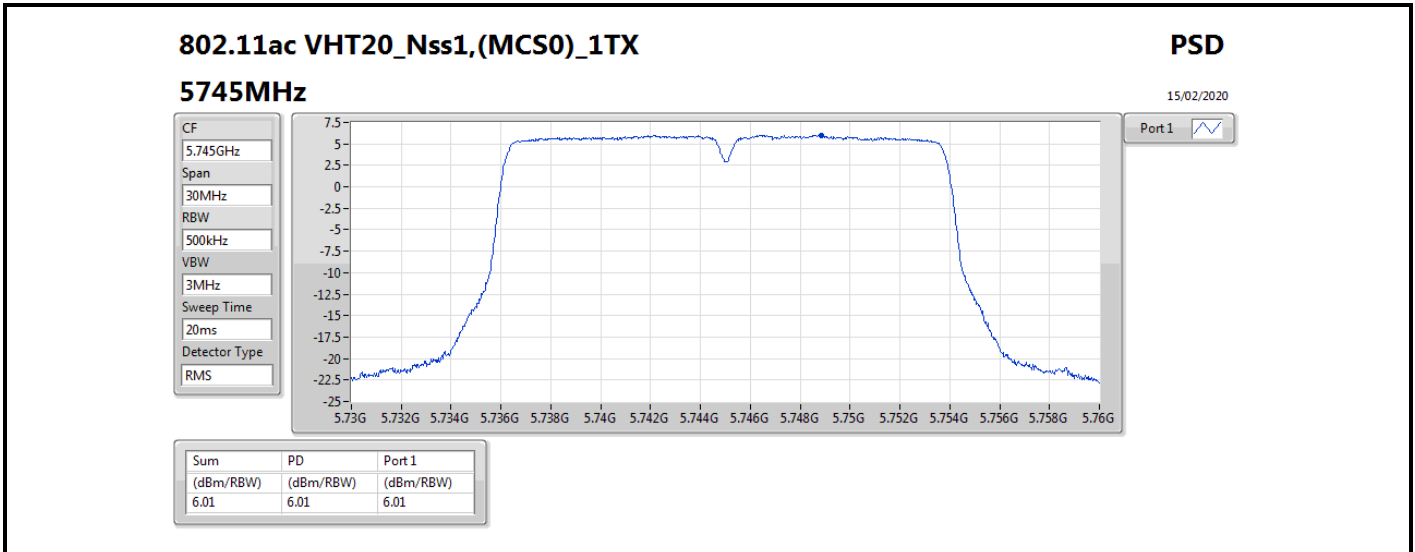
DG = Directional Gain; RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

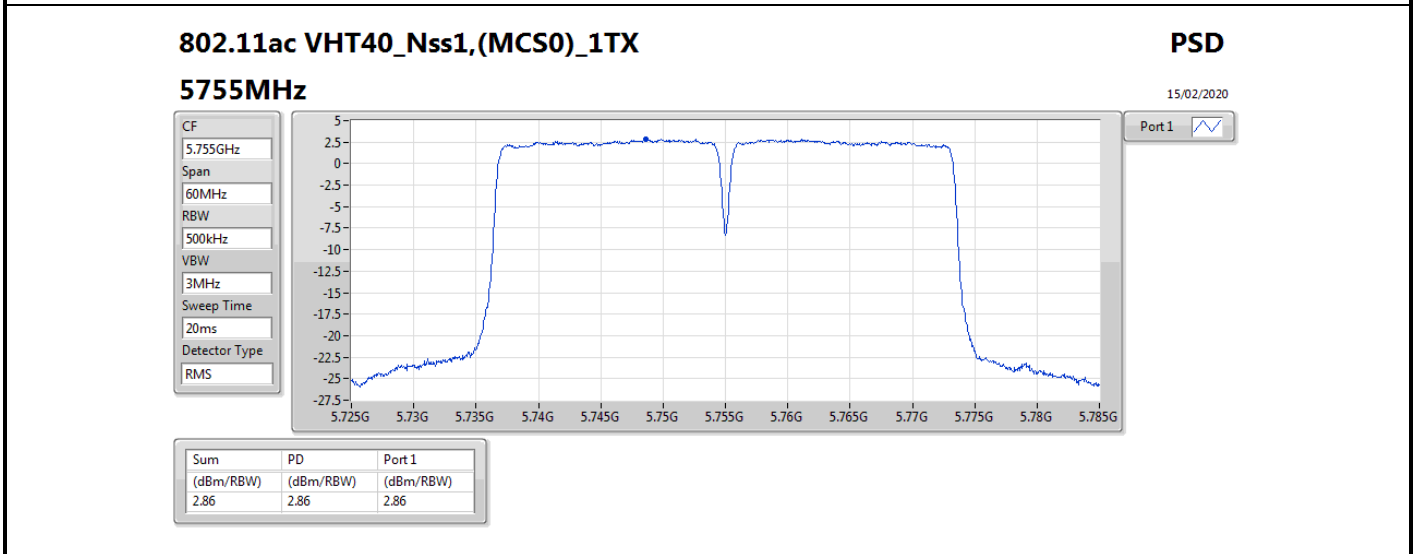
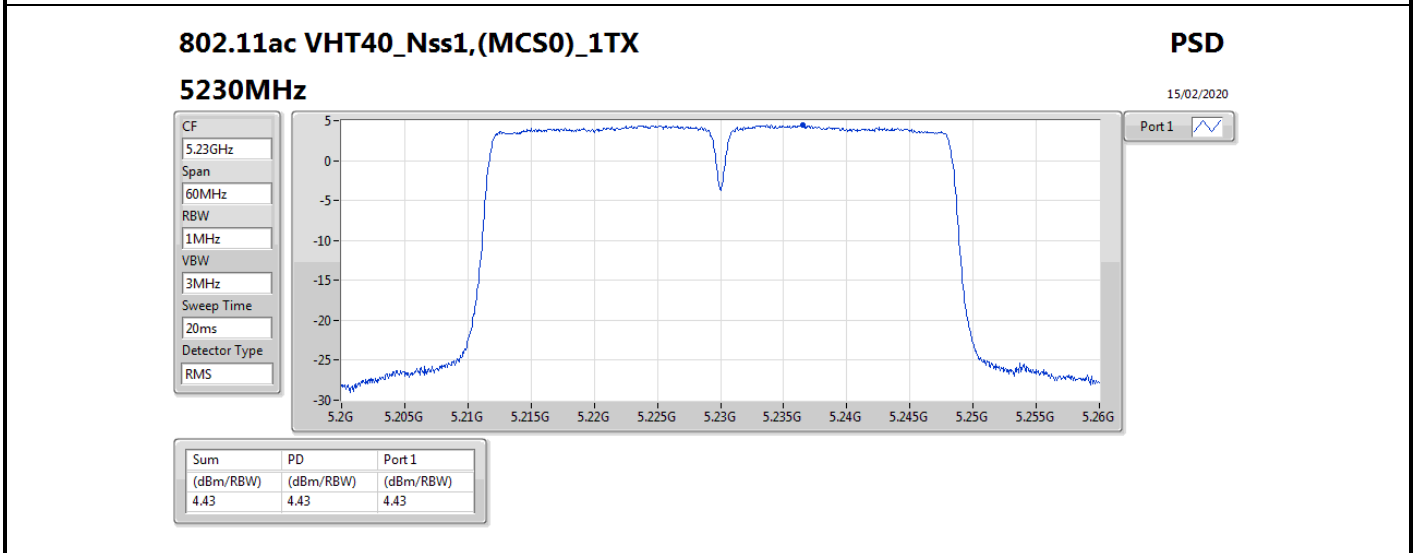
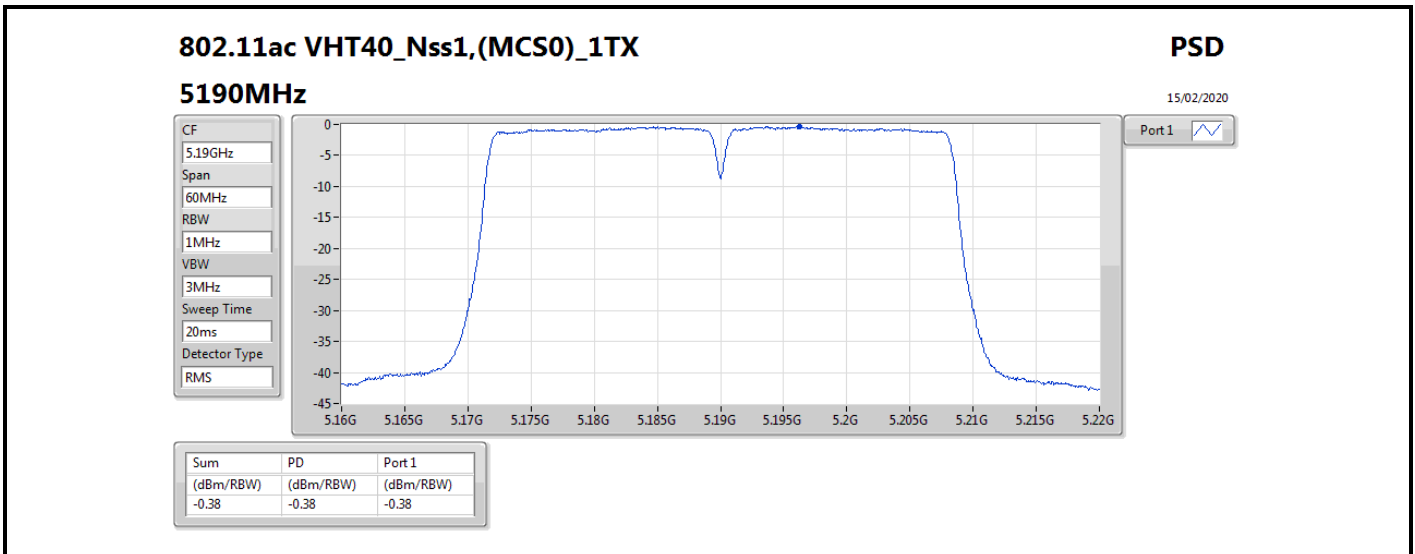
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

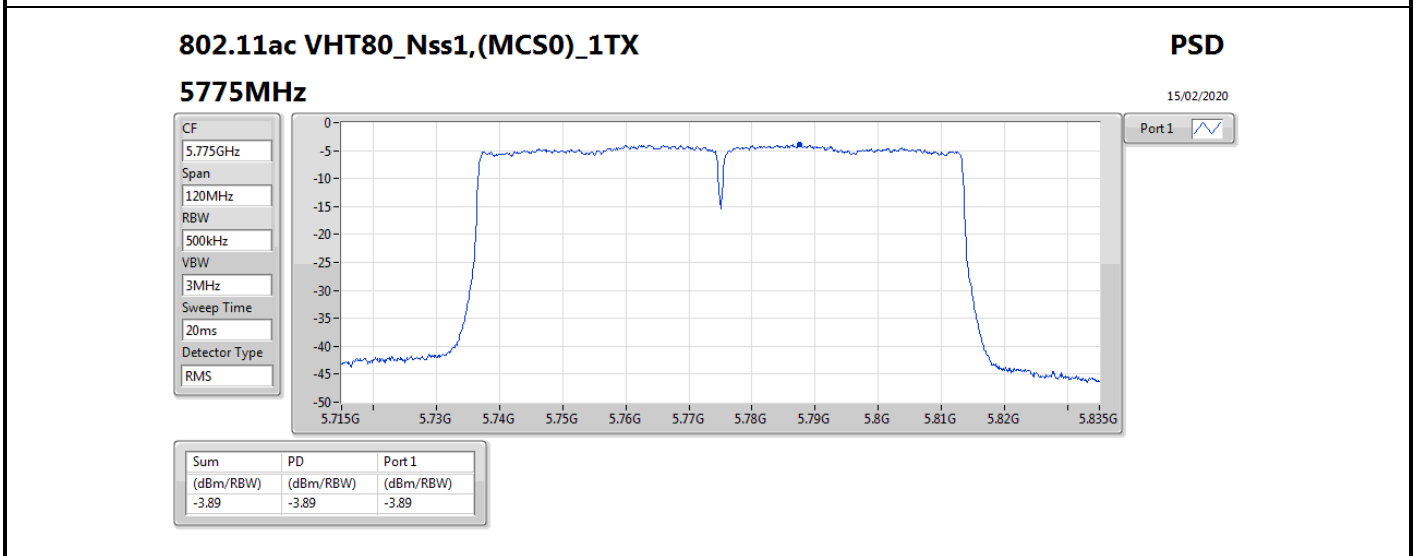
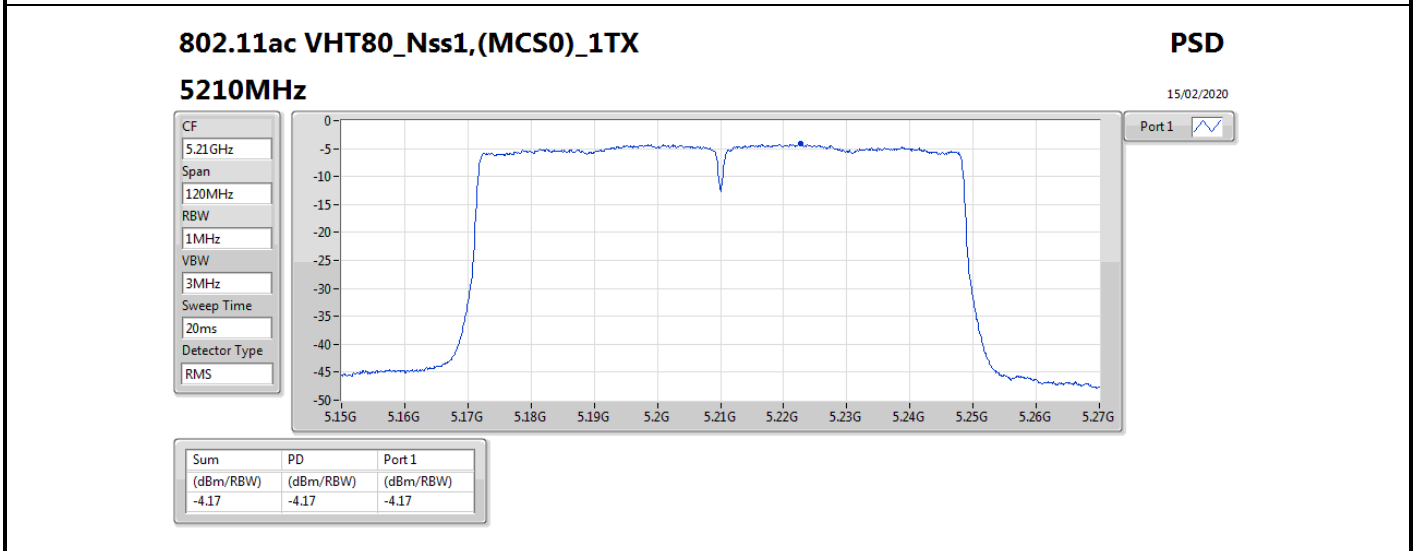
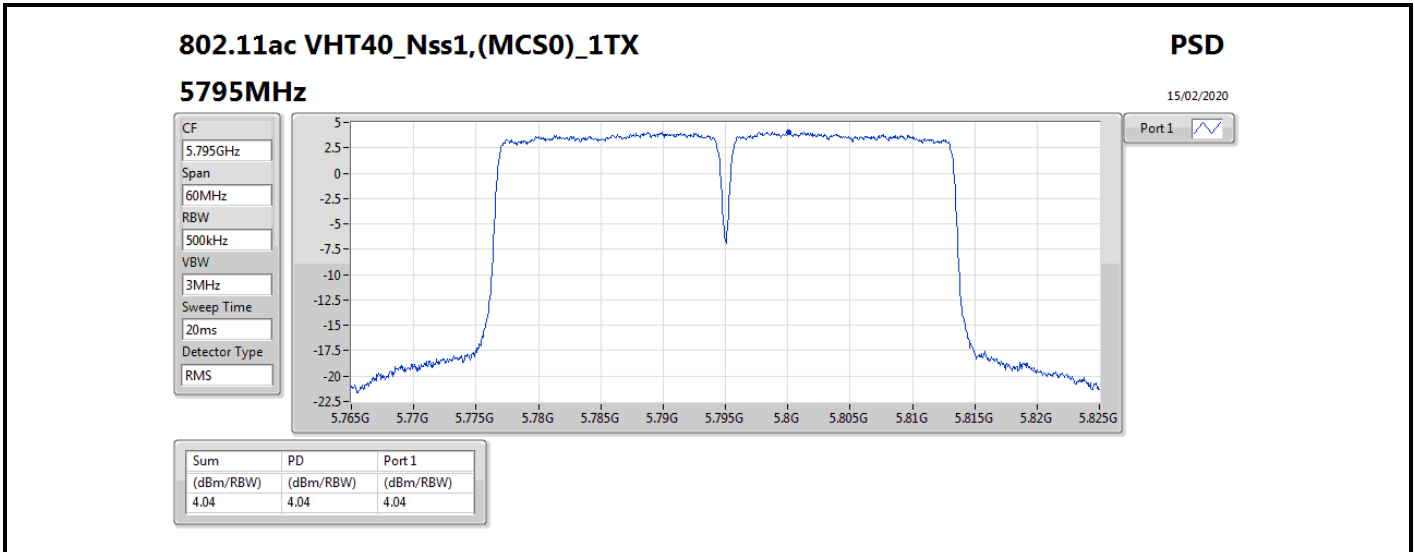


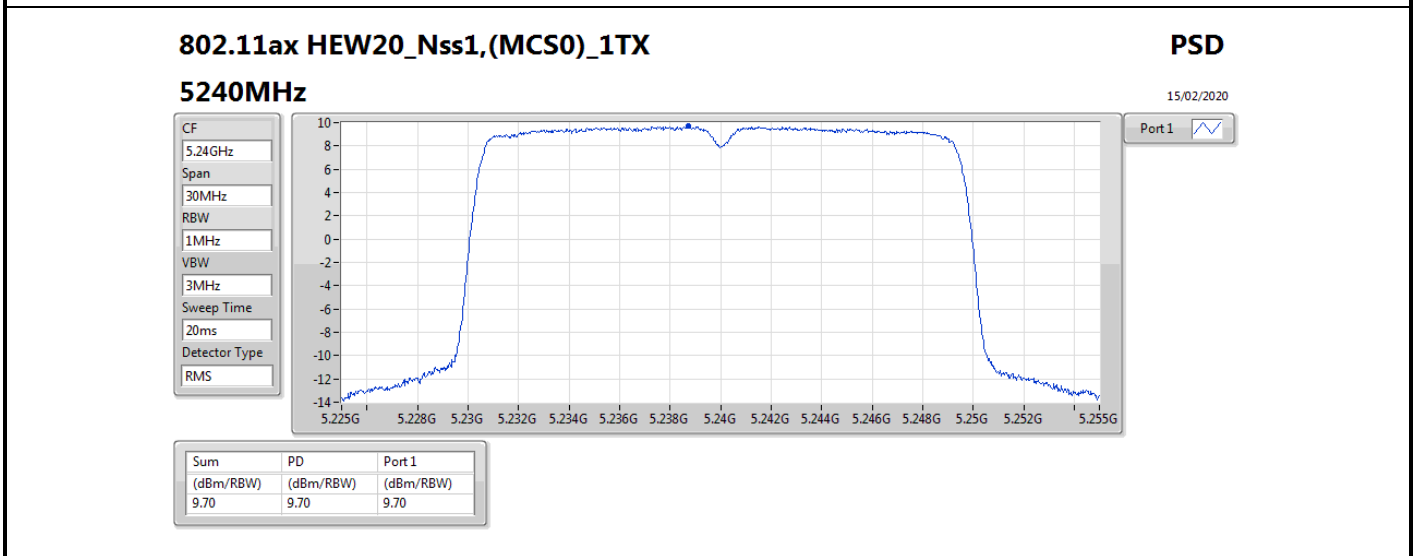
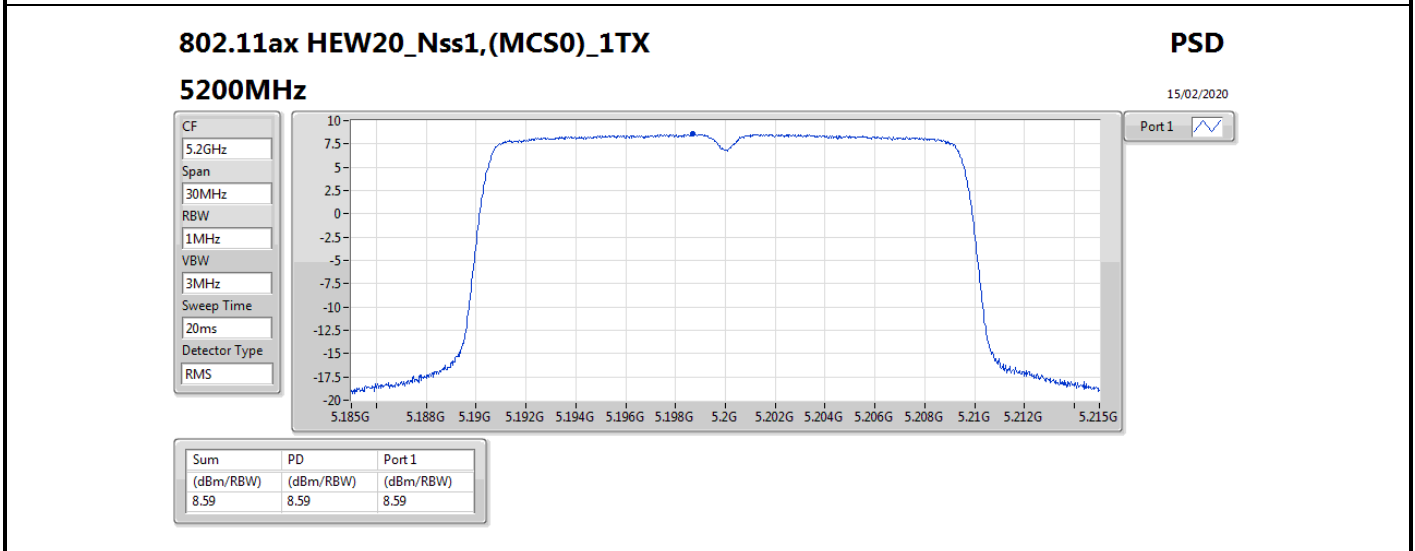
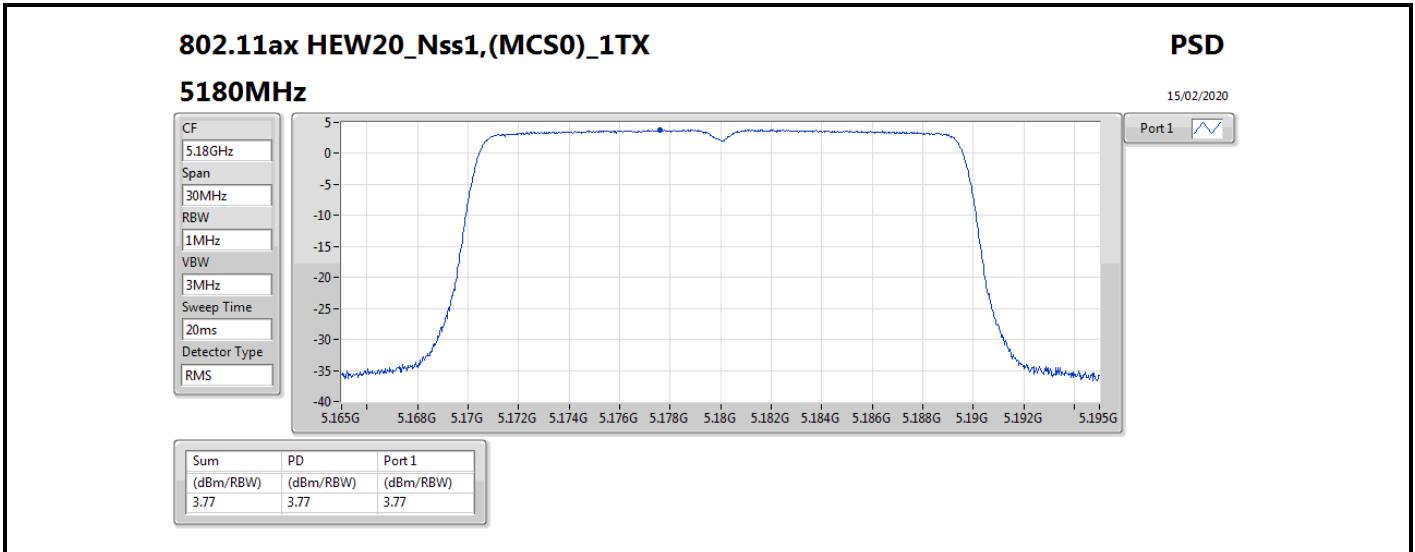


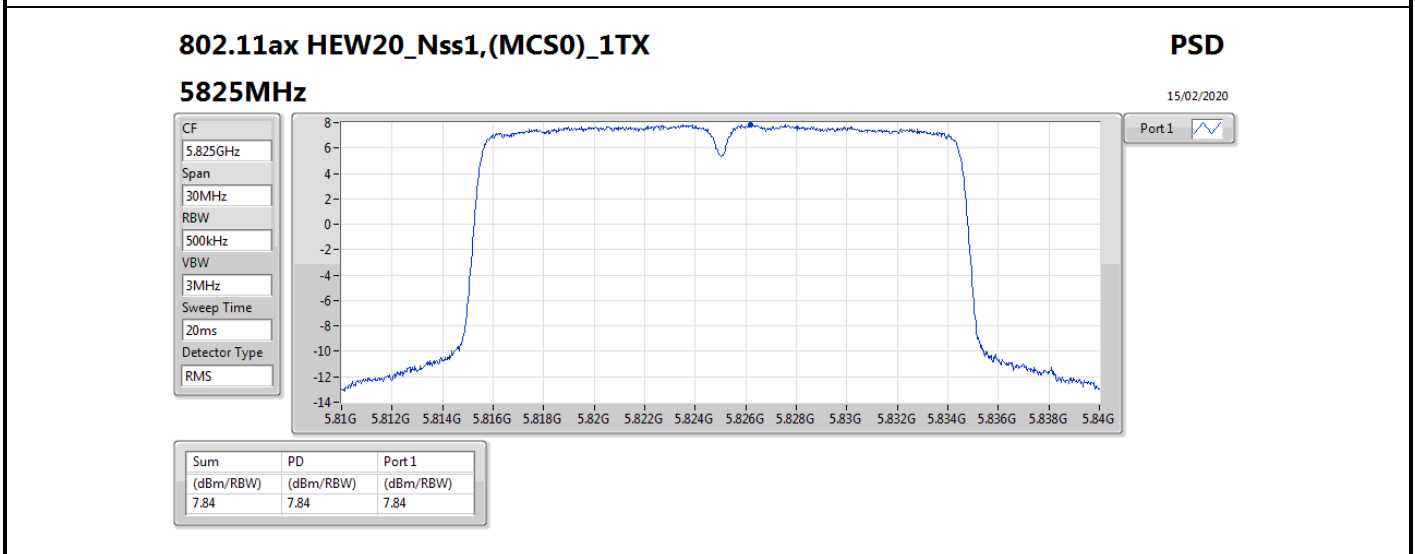
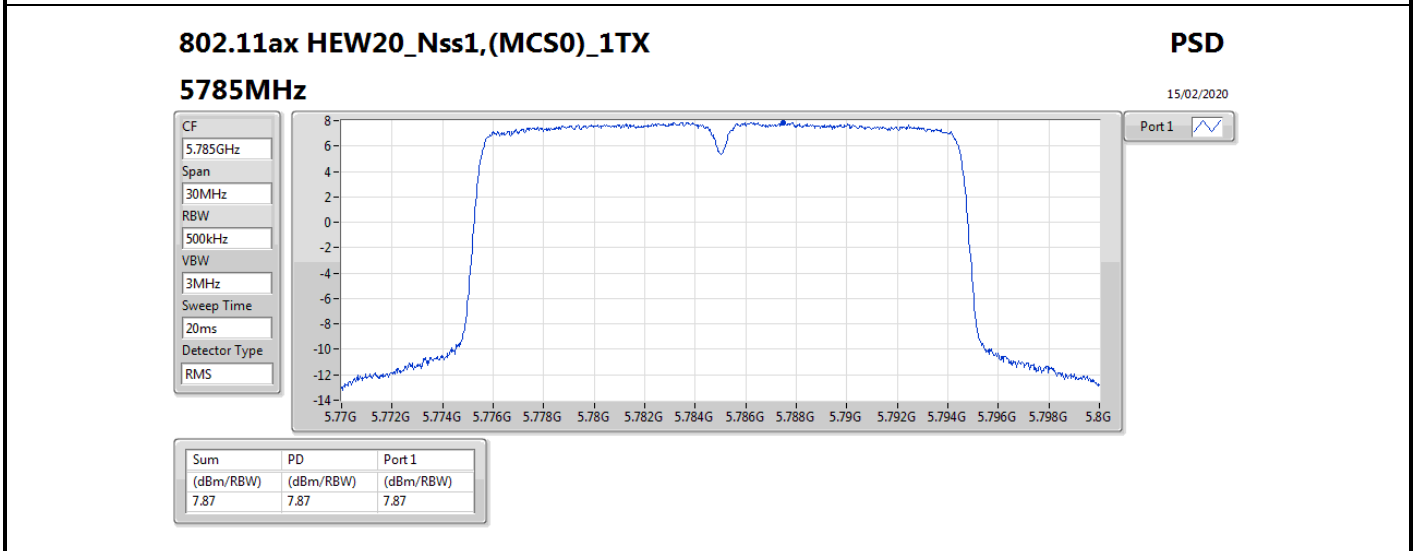
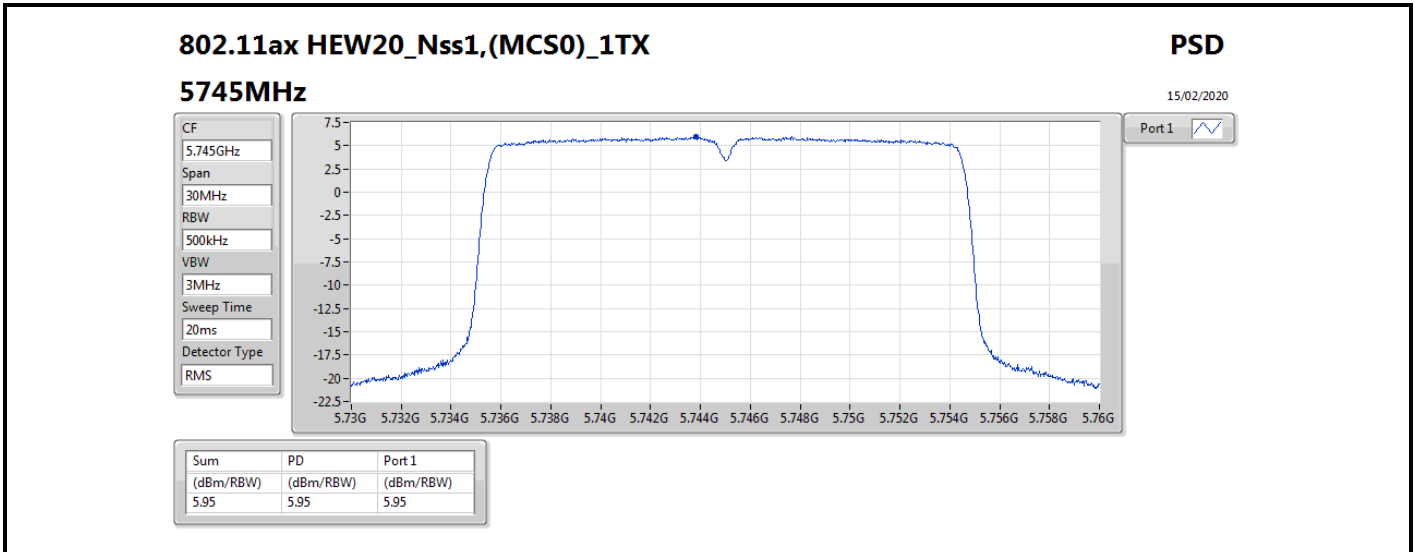


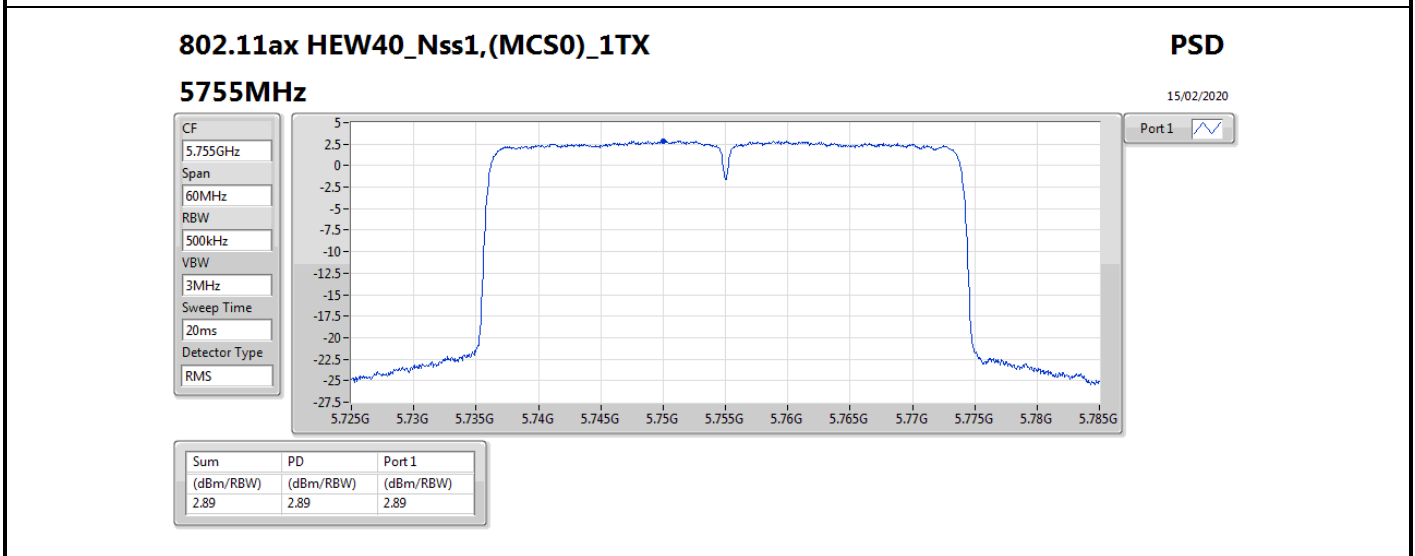
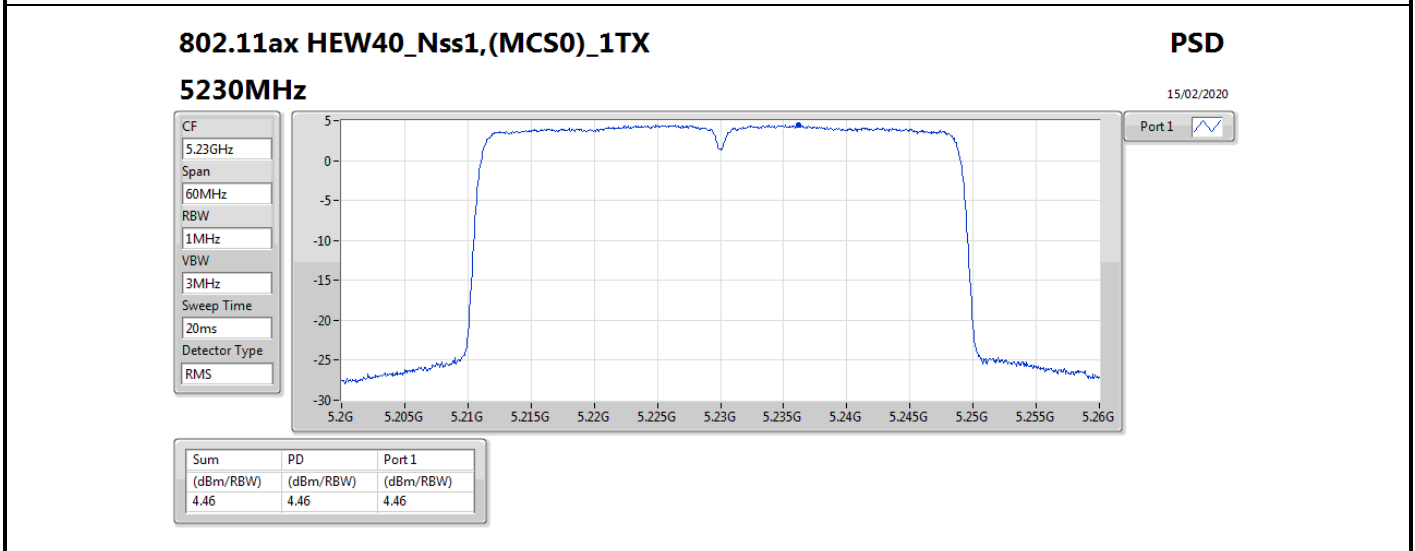
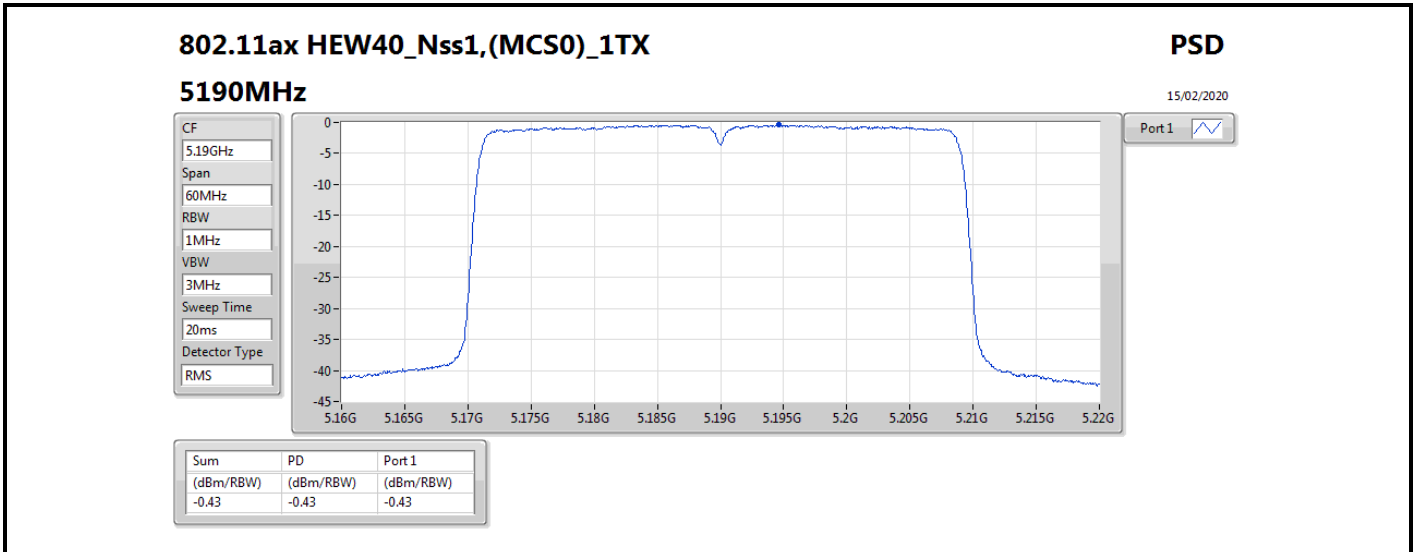


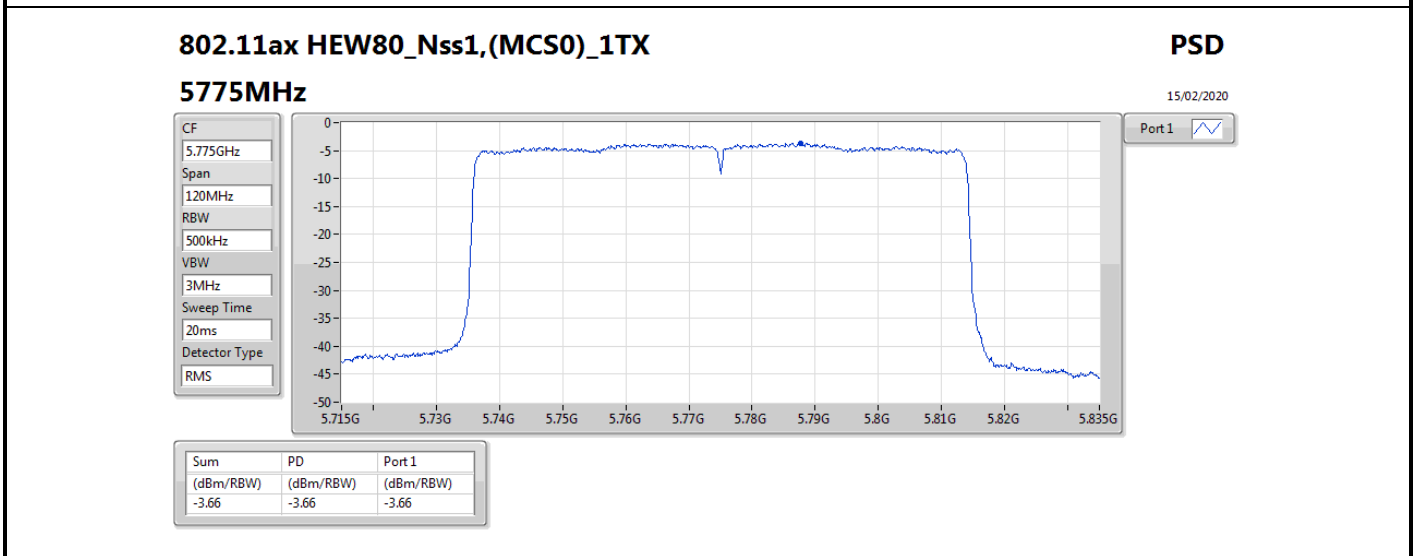
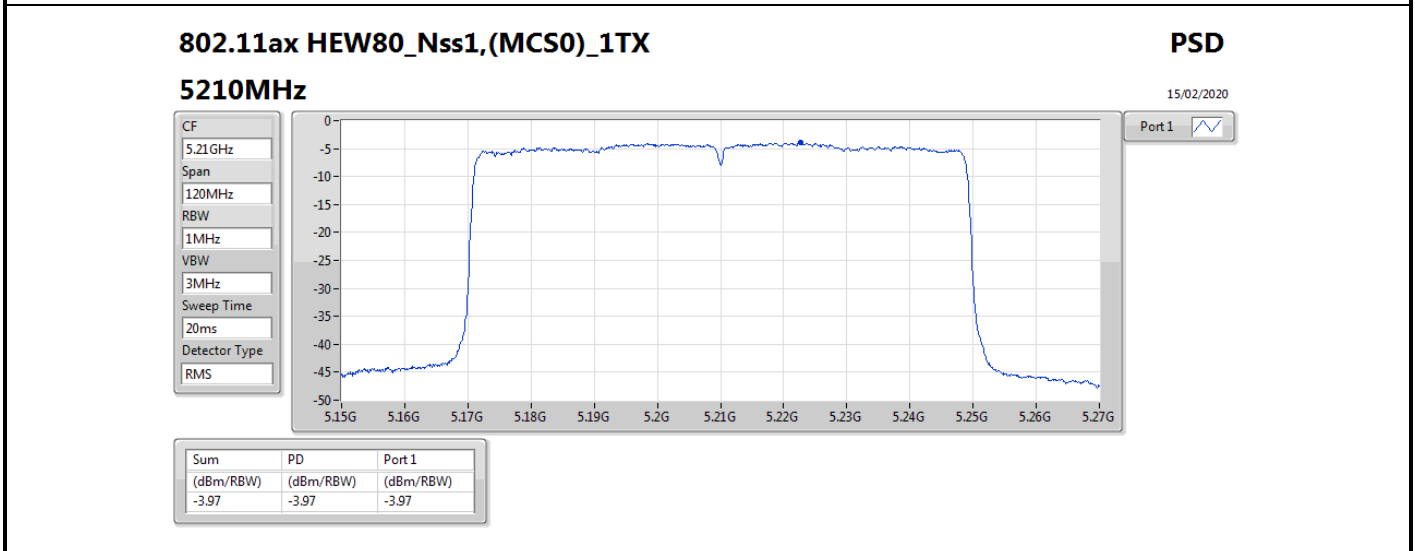
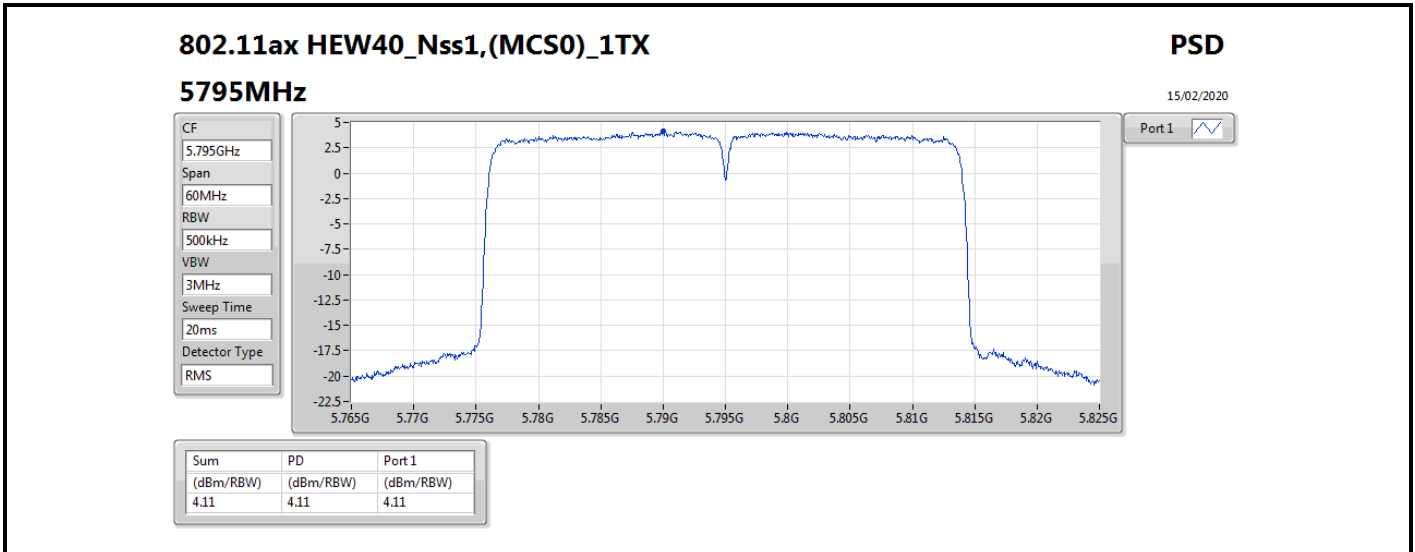














Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.26	22.97
802.11ac VHT20_Nss2,(MCS0)_2TX	11.33	22.03
802.11ac VHT40_Nss2,(MCS0)_2TX	6.75	17.45
802.11ac VHT80_Nss2,(MCS0)_2TX	-2.21	8.49
802.11ax HEW20_Nss2,(MCS0)_2TX	11.32	22.02
802.11ax HEW40_Nss2,(MCS0)_2TX	6.74	17.44
802.11ax HEW80_Nss2,(MCS0)_2TX	-2.20	8.50
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.24	23.95
802.11ac VHT20_Nss2,(MCS0)_2TX	9.79	20.49
802.11ac VHT40_Nss2,(MCS0)_2TX	6.40	17.10
802.11ac VHT80_Nss2,(MCS0)_2TX	0.19	10.89
802.11ax HEW20_Nss2,(MCS0)_2TX	9.66	20.36
802.11ax HEW40_Nss2,(MCS0)_2TX	6.23	16.93
802.11ax HEW80_Nss2,(MCS0)_2TX	0.37	11.07

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

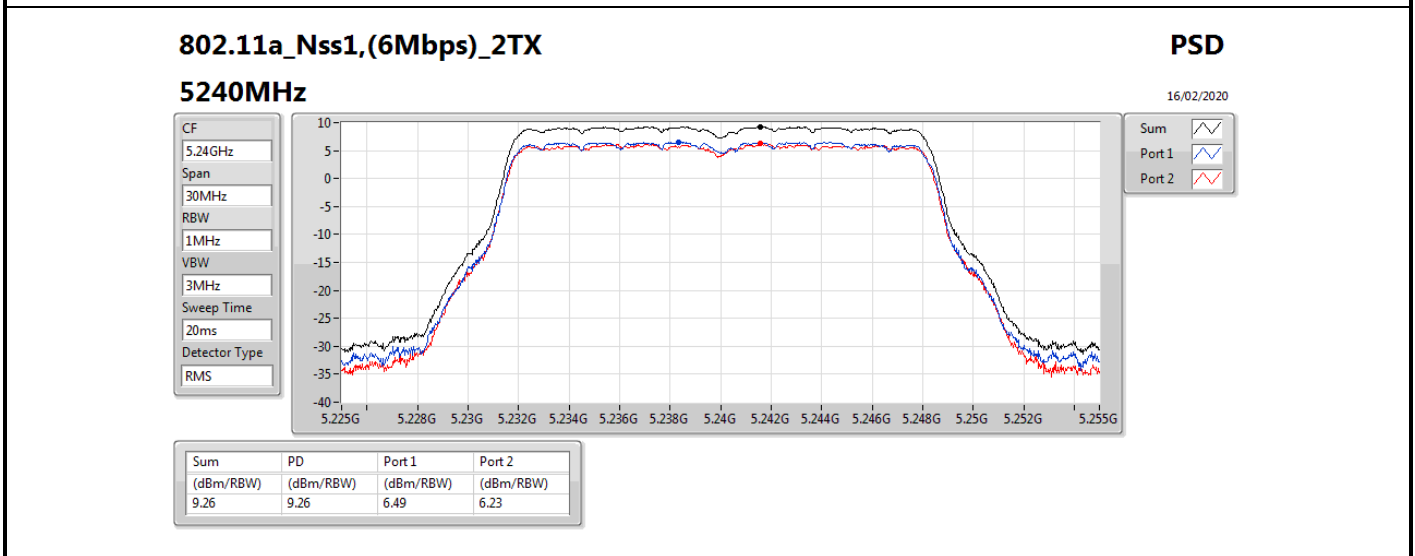
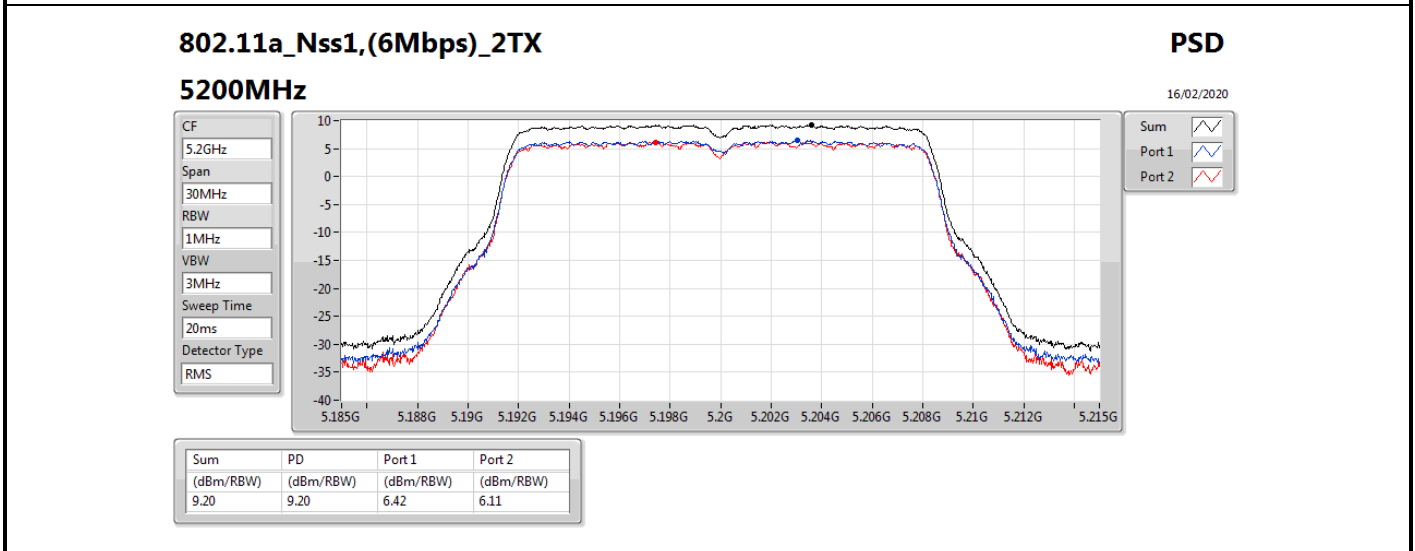
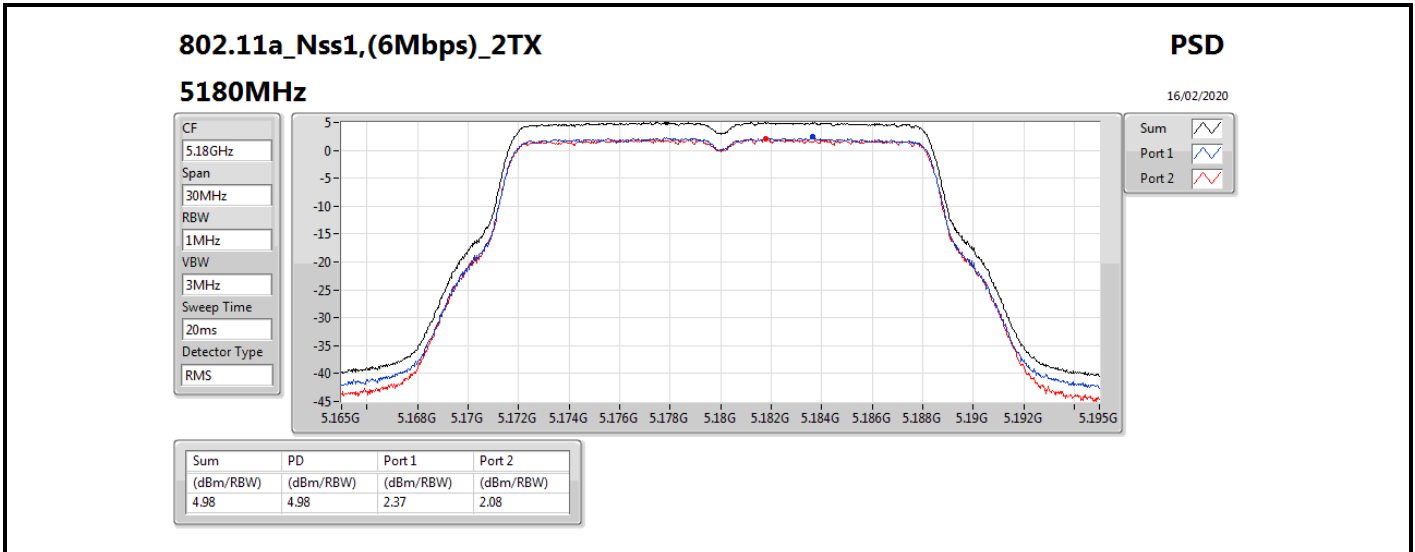


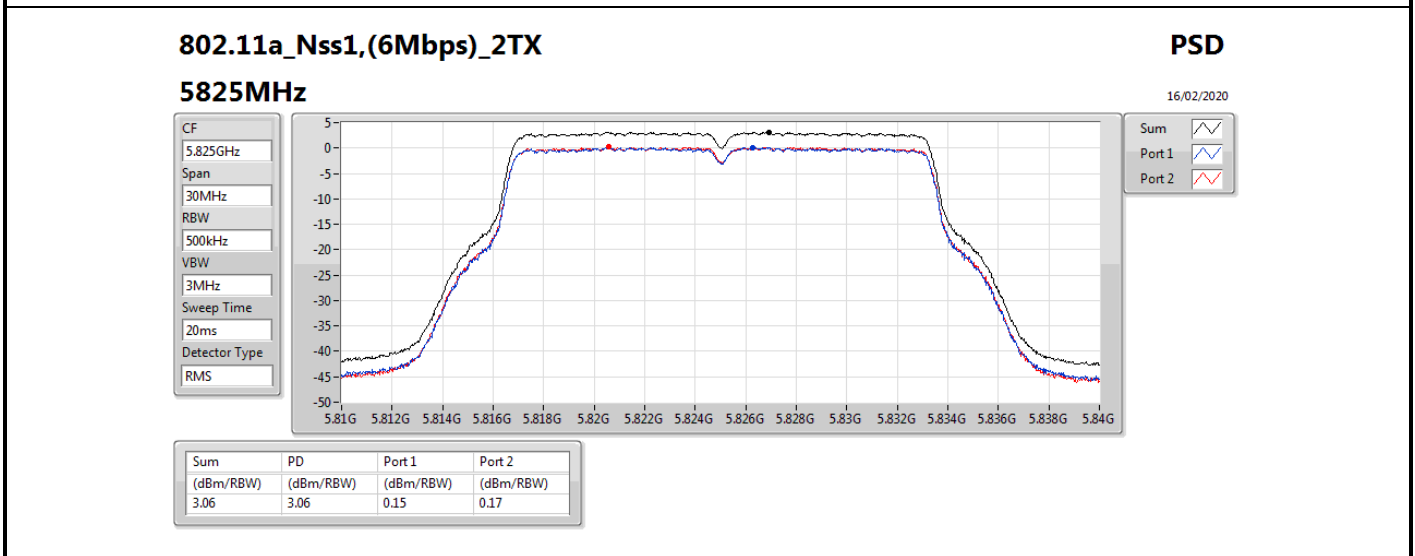
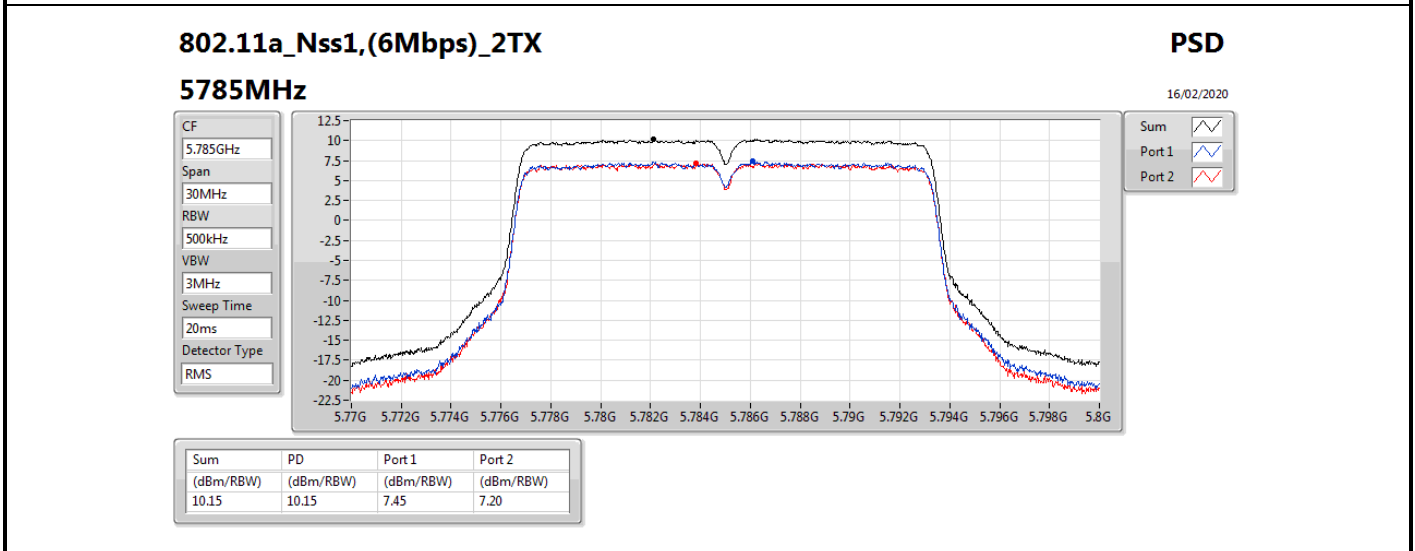
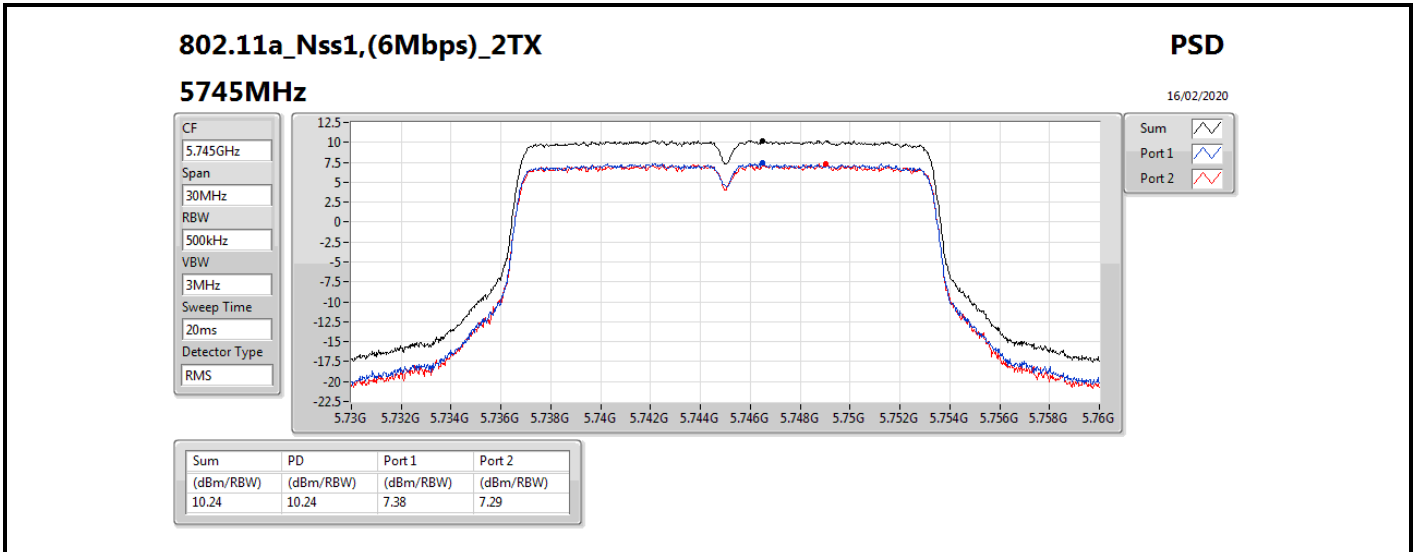
Result

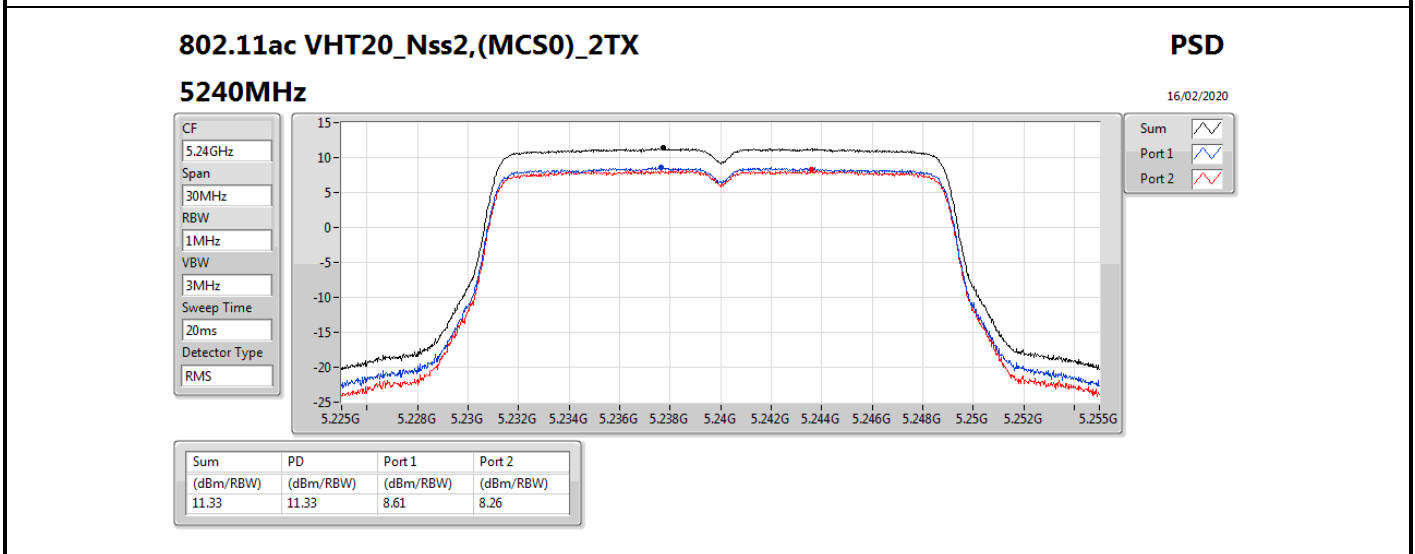
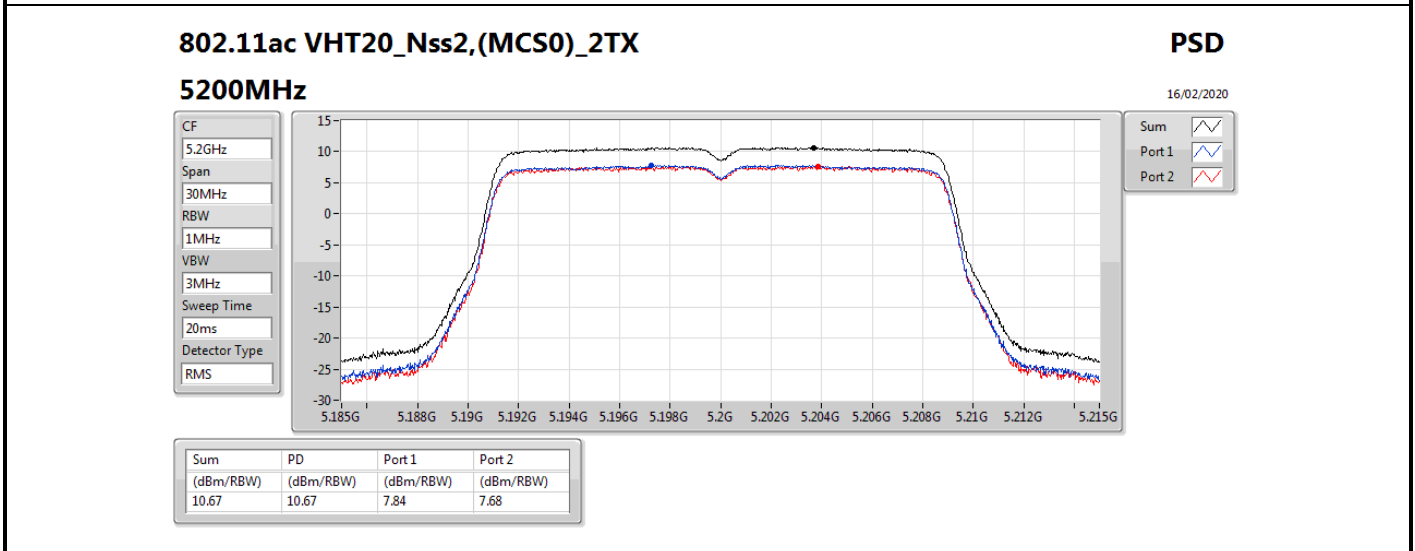
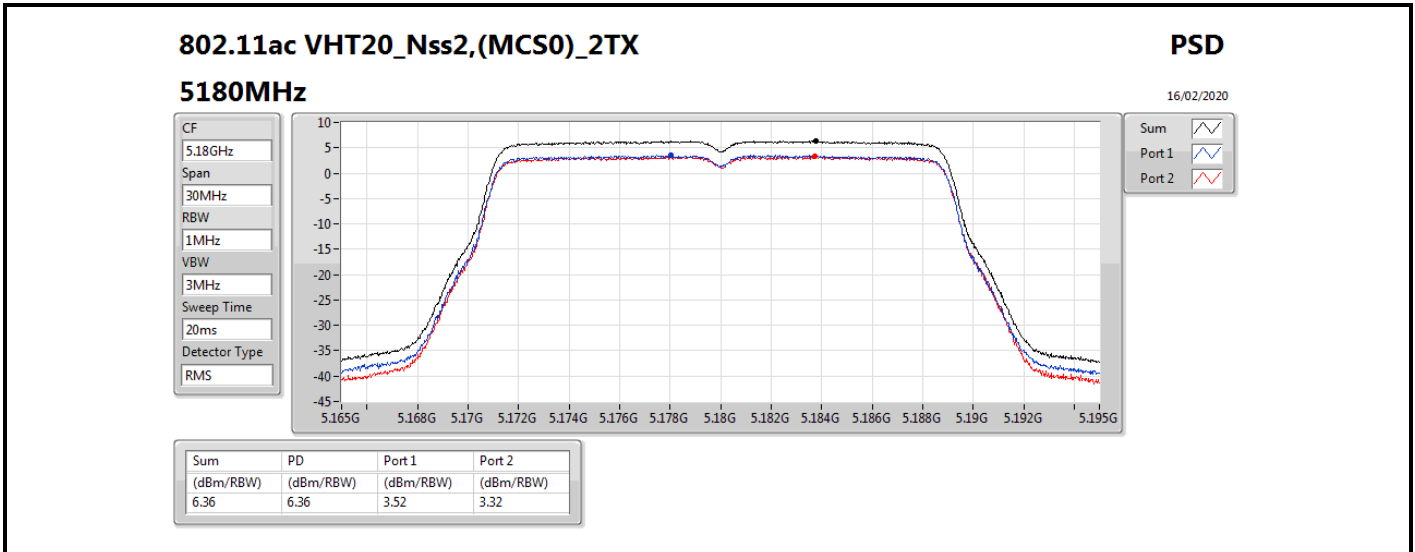
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.71	2.37	2.08	4.98	9.29	18.69	23.00
5200MHz	Pass	13.71	6.42	6.11	9.20	9.29	22.91	23.00
5240MHz	Pass	13.71	6.49	6.23	9.26	9.29	22.97	23.00
5745MHz	Pass	13.71	7.38	7.29	10.24	22.29	23.95	36.00
5785MHz	Pass	13.71	7.45	7.20	10.15	22.29	23.86	36.00
5825MHz	Pass	13.71	0.15	0.17	3.06	22.29	16.77	36.00
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.70	3.52	3.32	6.36	12.30	17.06	23.00
5200MHz	Pass	10.70	7.84	7.68	10.67	12.30	21.37	23.00
5240MHz	Pass	10.70	8.61	8.26	11.33	12.30	22.03	23.00
5745MHz	Pass	10.70	6.98	6.88	9.79	25.30	20.49	36.00
5785MHz	Pass	10.70	6.86	6.87	9.74	25.30	20.44	36.00
5825MHz	Pass	10.70	0.73	1.03	3.77	25.30	14.47	36.00
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-0.97	-1.34	1.75	12.30	12.45	23.00
5230MHz	Pass	10.70	4.09	3.41	6.75	12.30	17.45	23.00
5755MHz	Pass	10.70	3.35	3.40	6.26	25.30	16.96	36.00
5795MHz	Pass	10.70	3.47	3.61	6.40	25.30	17.10	36.00
802.11ac VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-5.51	-4.75	-2.21	12.30	8.49	23.00
5775MHz	Pass	10.70	-2.89	-2.55	0.19	25.30	10.89	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.70	3.55	3.30	6.37	12.30	17.07	23.00
5200MHz	Pass	10.70	7.74	7.62	10.67	12.30	21.37	23.00
5240MHz	Pass	10.70	8.49	8.29	11.32	12.30	22.02	23.00
5745MHz	Pass	10.70	6.83	6.67	9.66	25.30	20.36	36.00
5785MHz	Pass	10.70	6.67	6.70	9.60	25.30	20.30	36.00
5825MHz	Pass	10.70	0.97	0.99	3.86	25.30	14.56	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-0.93	-1.22	1.84	12.30	12.54	23.00
5230MHz	Pass	10.70	4.12	3.47	6.74	12.30	17.44	23.00
5755MHz	Pass	10.70	3.24	3.36	6.16	25.30	16.86	36.00
5795MHz	Pass	10.70	3.23	3.61	6.23	25.30	16.93	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-5.27	-4.97	-2.20	12.30	8.50	23.00
5775MHz	Pass	10.70	-2.68	-2.33	0.37	25.30	11.07	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;





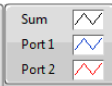
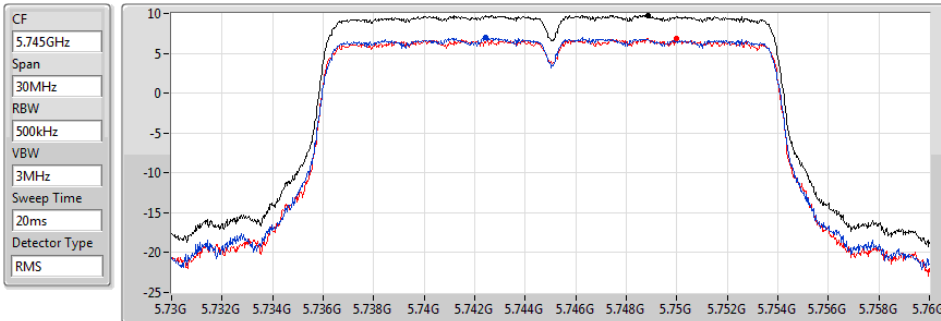


802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5745MHz

16/02/2020



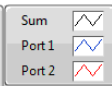
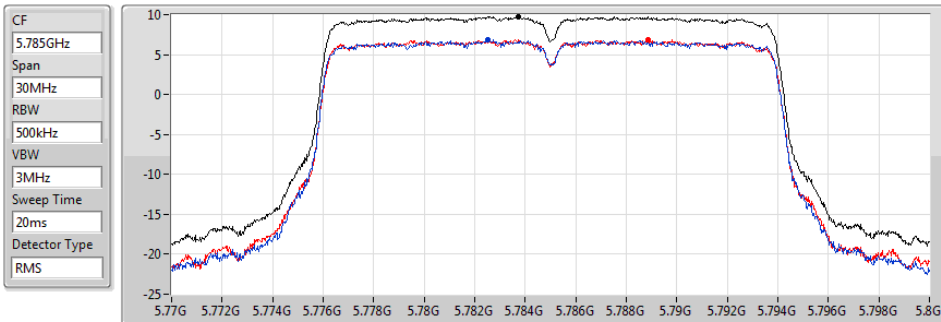
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.79	9.79	6.98	6.88

802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5785MHz

16/02/2020



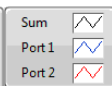
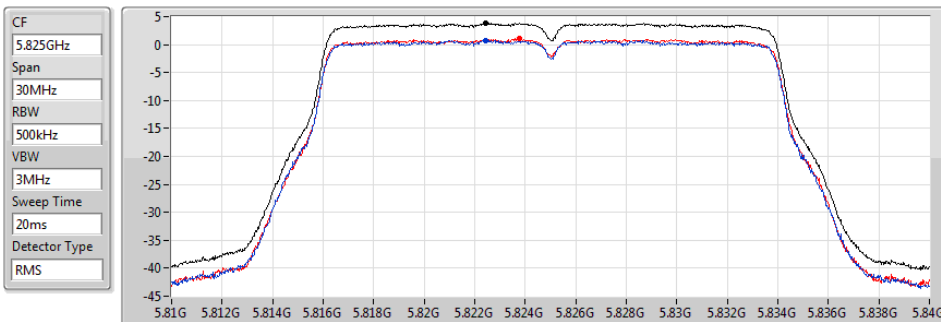
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.74	9.74	6.86	6.87

802.11ac VHT20_Nss2,(MCS0)_2TX

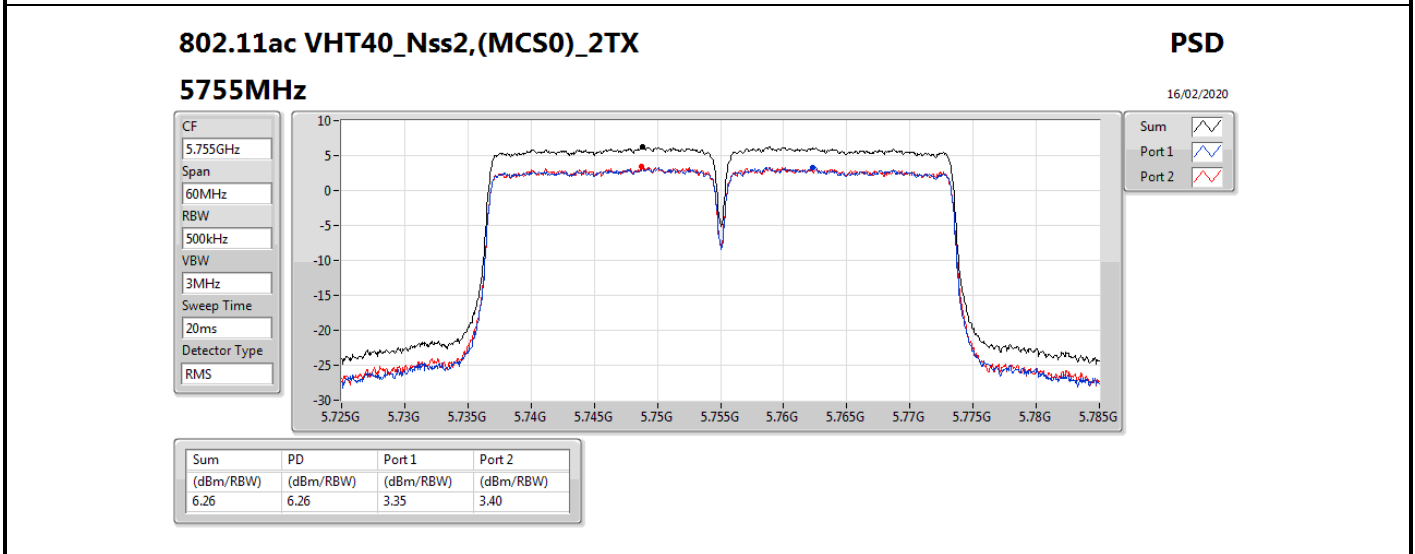
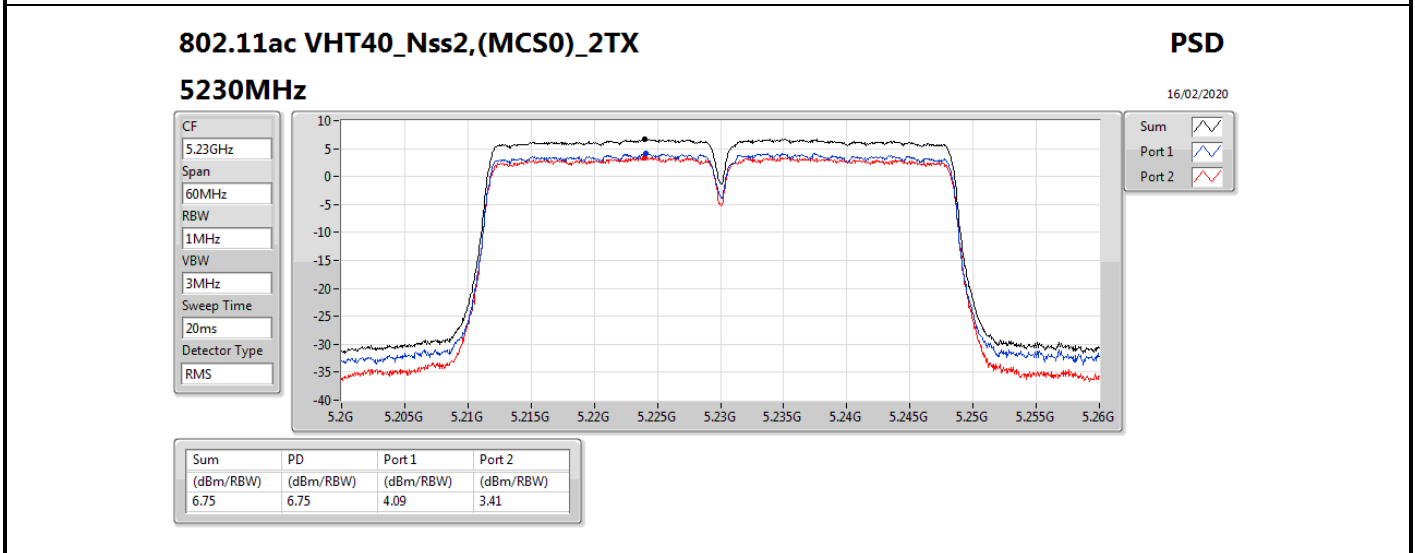
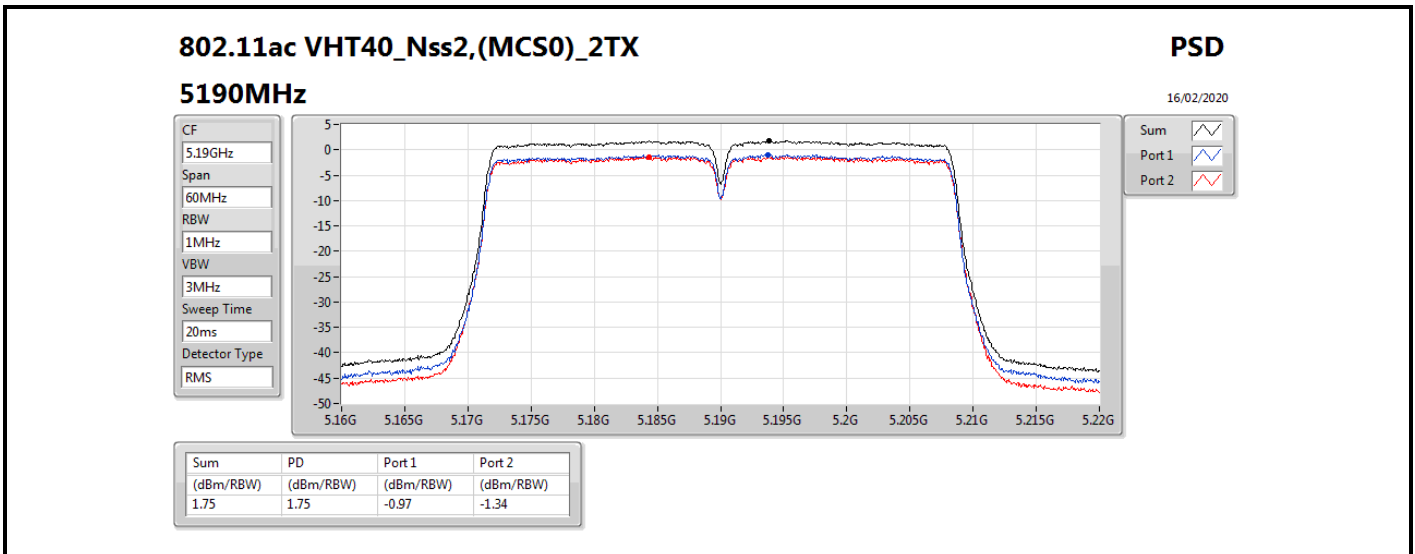
PSD

5825MHz

16/02/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.77	3.77	0.73	1.03



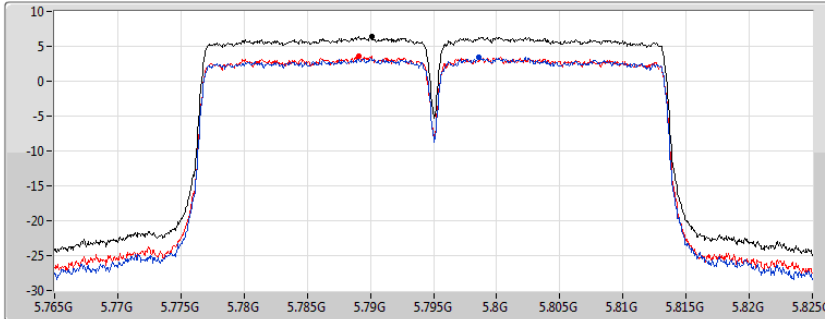
802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5795MHz

16/02/2020

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
 Port 1
 Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.40	6.40	3.47	3.61

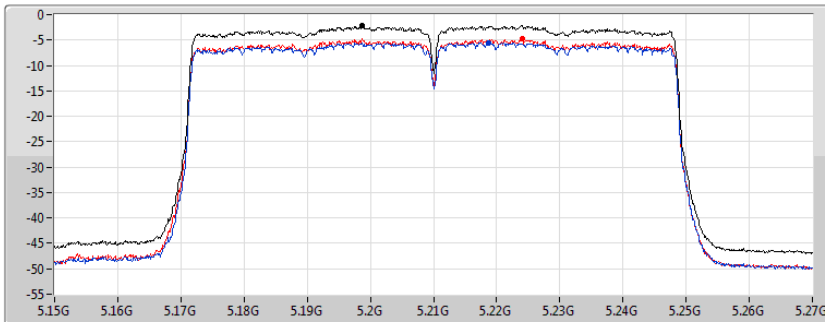
802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5210MHz

16/02/2020

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
 Port 1
 Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.21	-2.21	-5.51	-4.75

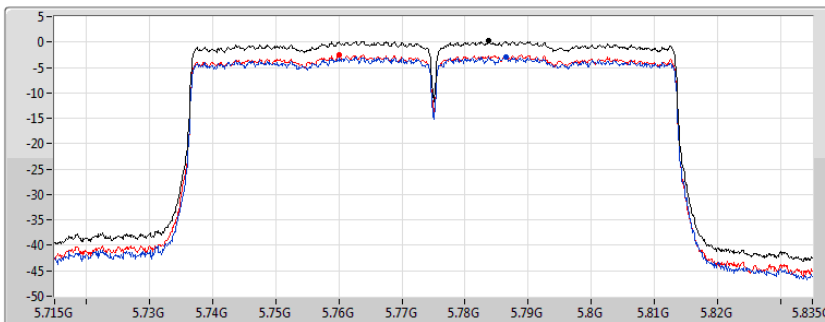
802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5775MHz

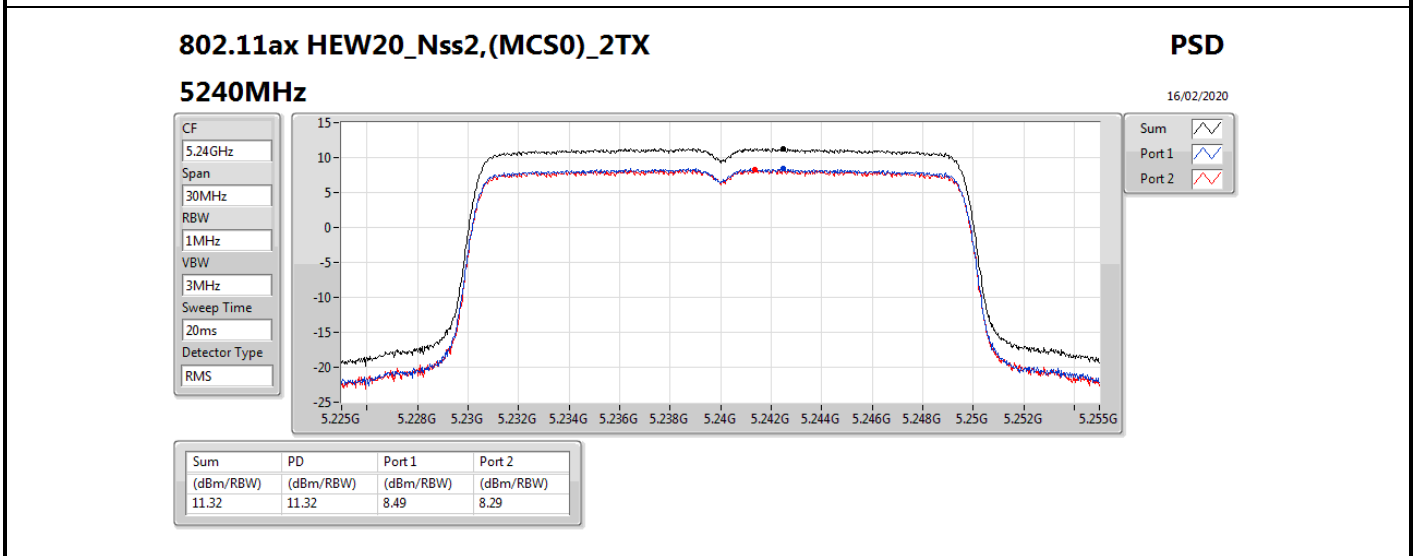
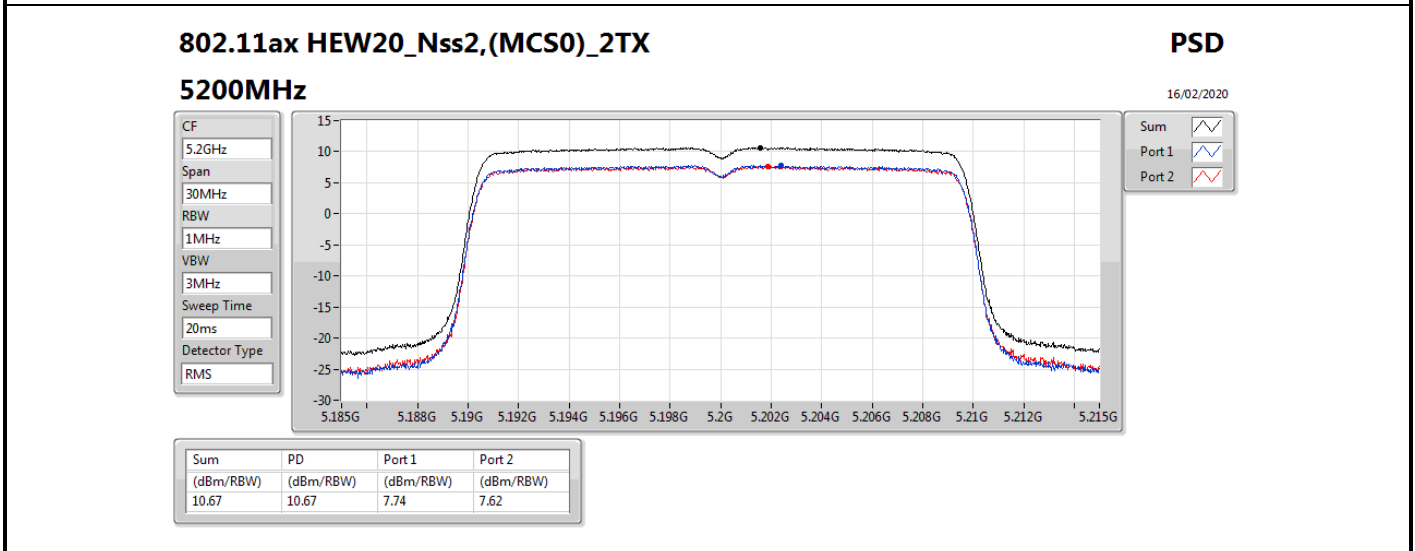
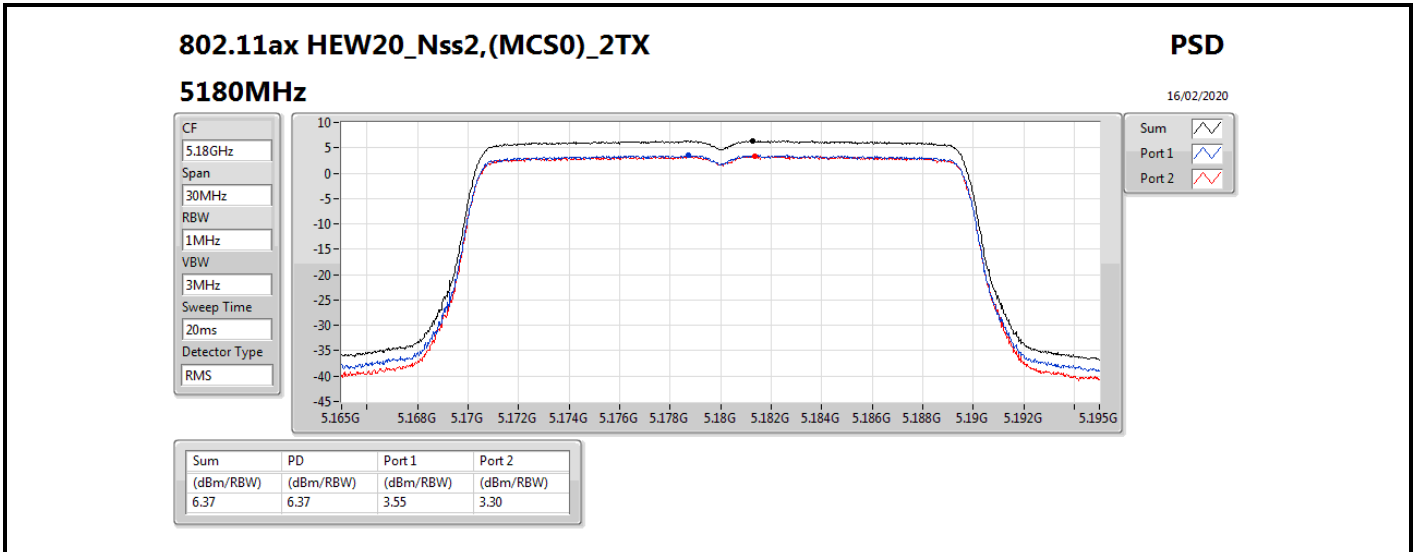
16/02/2020

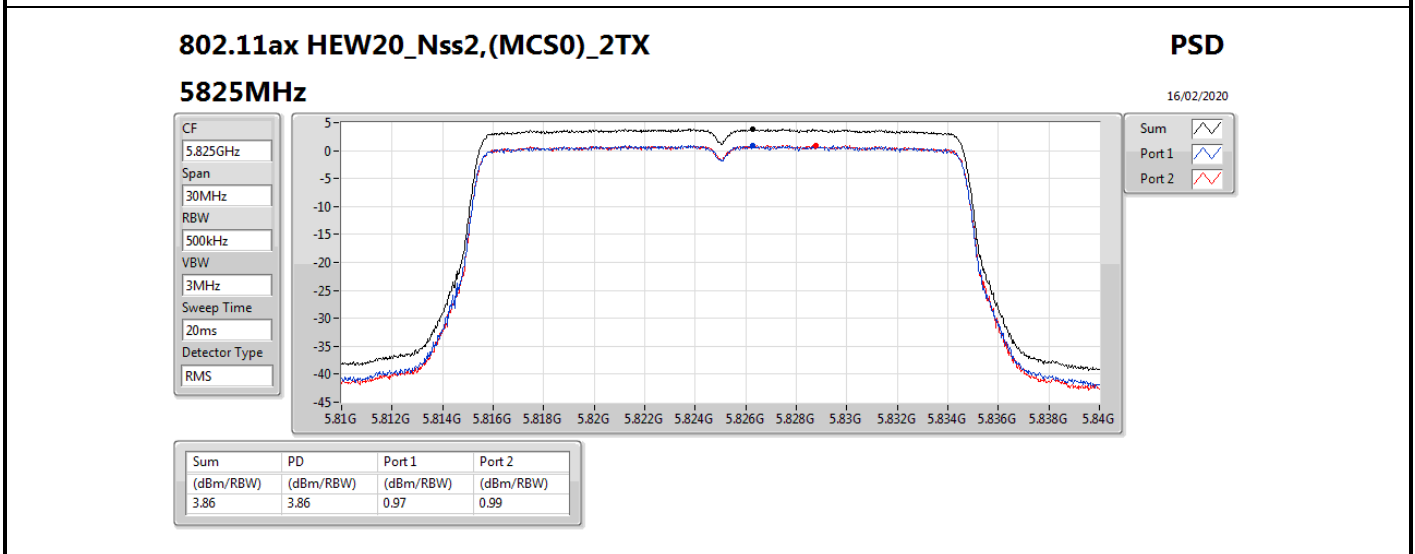
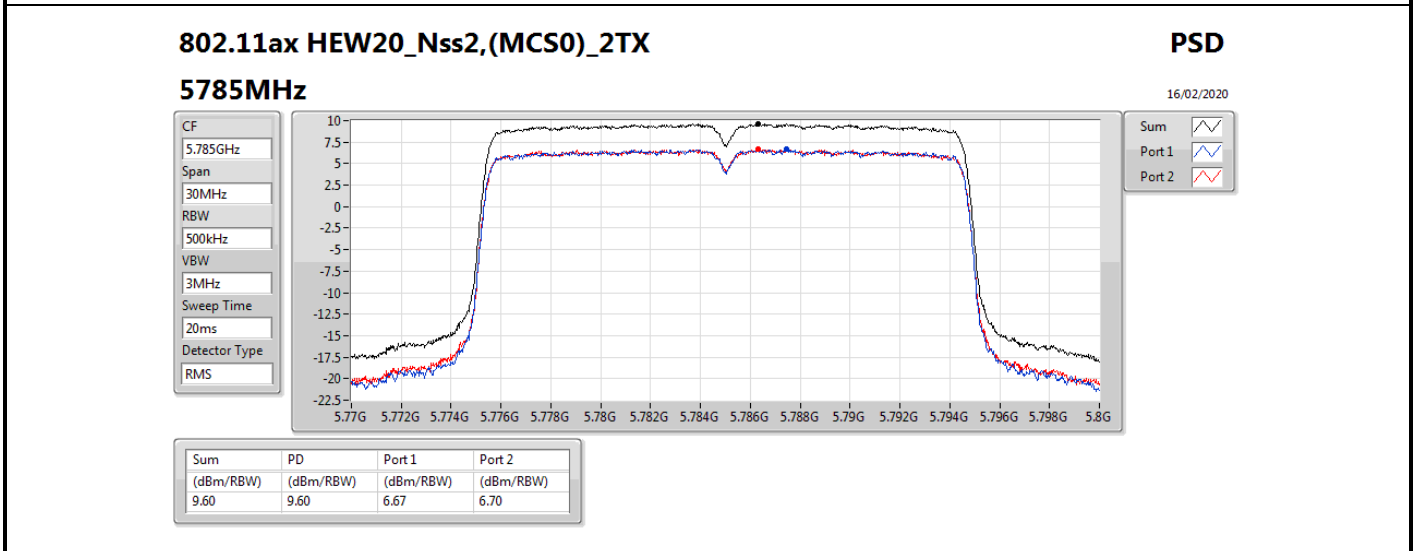
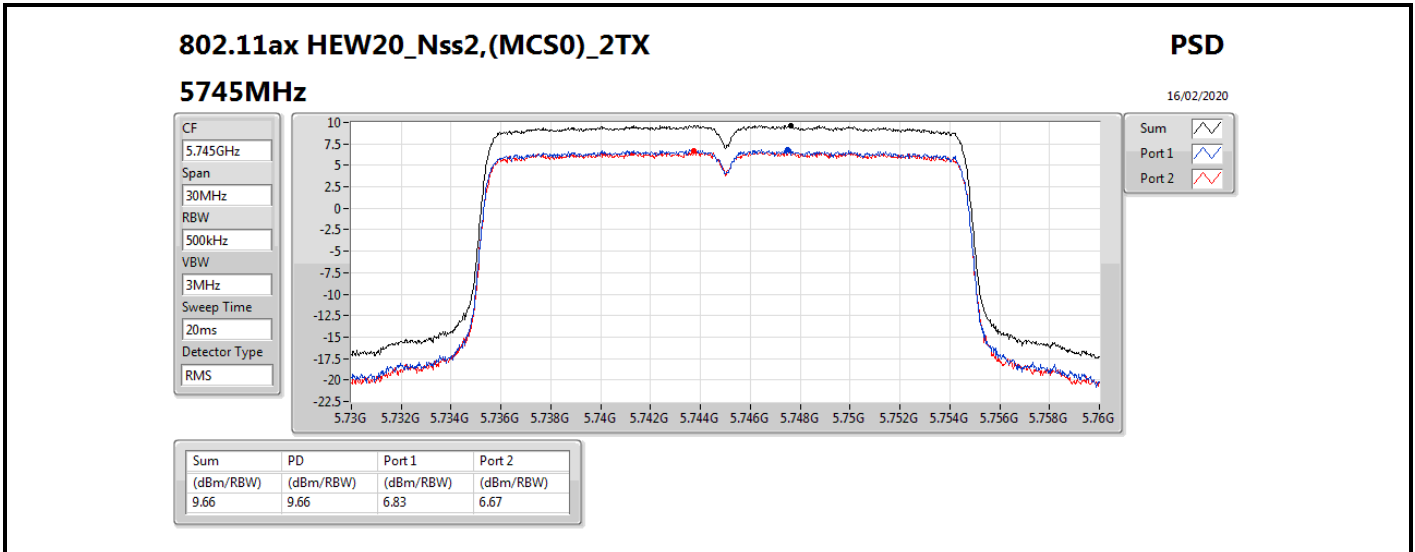
CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
 Port 1
 Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.19	0.19	-2.89	-2.55





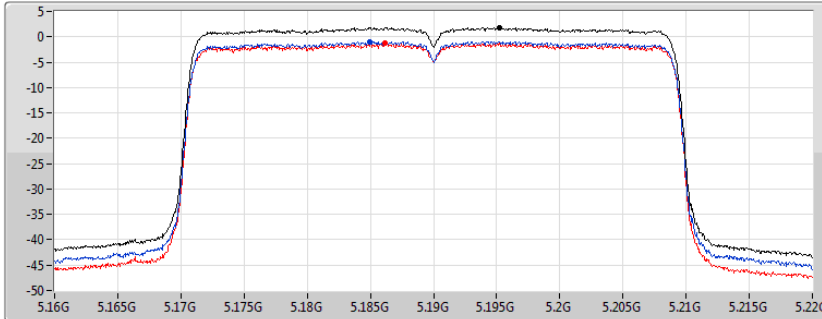
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

16/02/2020

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.84	1.84	-0.93	-1.22

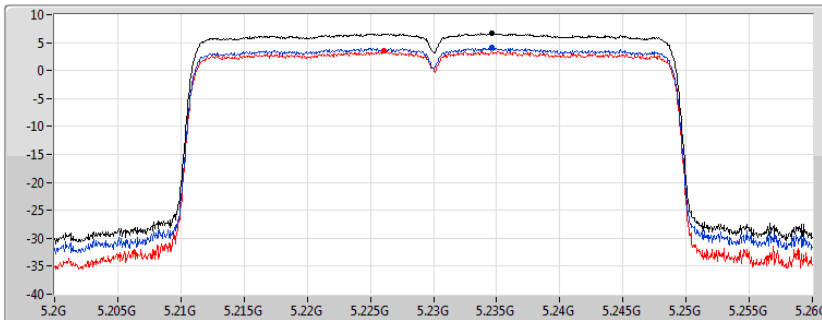
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

16/02/2020

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.74	6.74	4.12	3.47

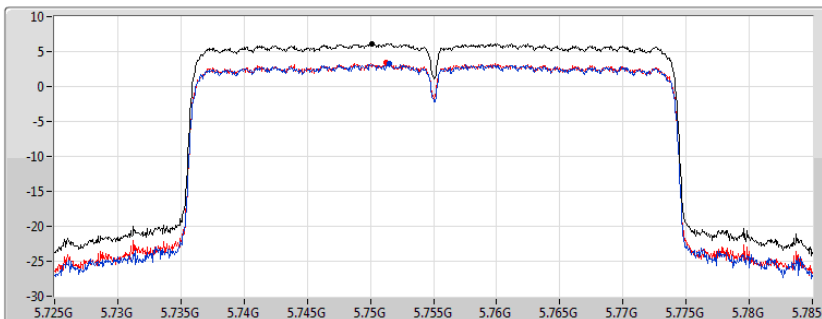
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

16/02/2020

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.16	6.16	3.24	3.36

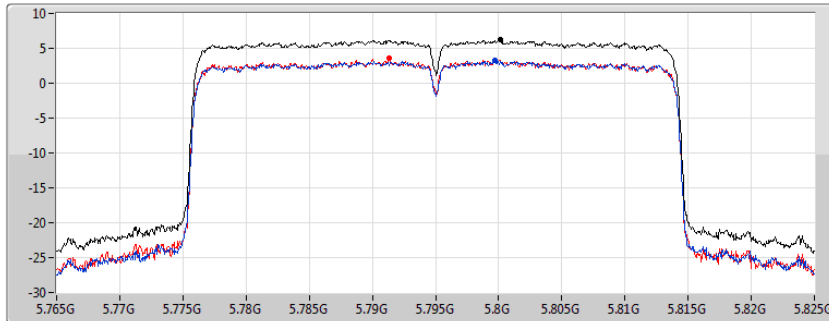
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

16/02/2020

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
 Port 1
 Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.23	6.23	3.23	3.61

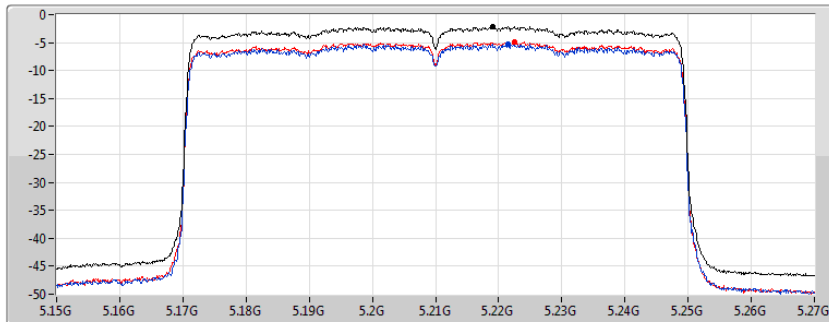
802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

16/02/2020

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
 Port 1
 Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.20	-2.20	-5.27	-4.97

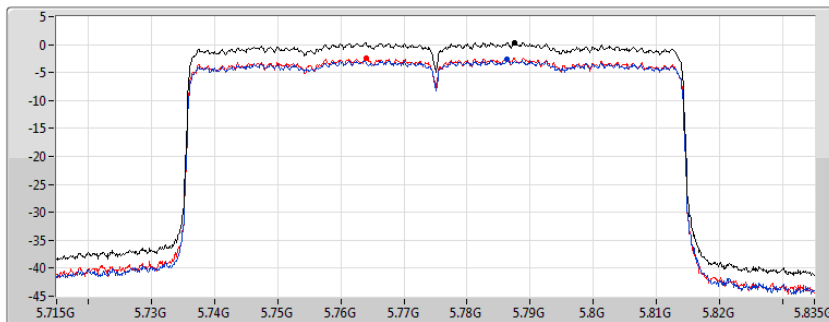
802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

16/02/2020

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
 Port 1
 Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.37	0.37	-2.68	-2.33



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	9.50	17.50
802.11ac VHT20_Nss1,(MCS0)_1TX	8.94	16.94
802.11ac VHT40_Nss1,(MCS0)_1TX	3.38	11.38
802.11ac VHT80_Nss1,(MCS0)_1TX	-4.43	3.57
802.11ax HEW20_Nss1,(MCS0)_1TX	8.86	16.86
802.11ax HEW40_Nss1,(MCS0)_1TX	3.41	11.41
802.11ax HEW80_Nss1,(MCS0)_1TX	-4.31	3.69
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	6.92	14.92
802.11ac VHT20_Nss1,(MCS0)_1TX	6.87	14.87
802.11ac VHT40_Nss1,(MCS0)_1TX	4.89	12.89
802.11ac VHT80_Nss1,(MCS0)_1TX	-1.65	6.35
802.11ax HEW20_Nss1,(MCS0)_1TX	6.77	14.77
802.11ax HEW40_Nss1,(MCS0)_1TX	4.82	12.82
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.43	6.57

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

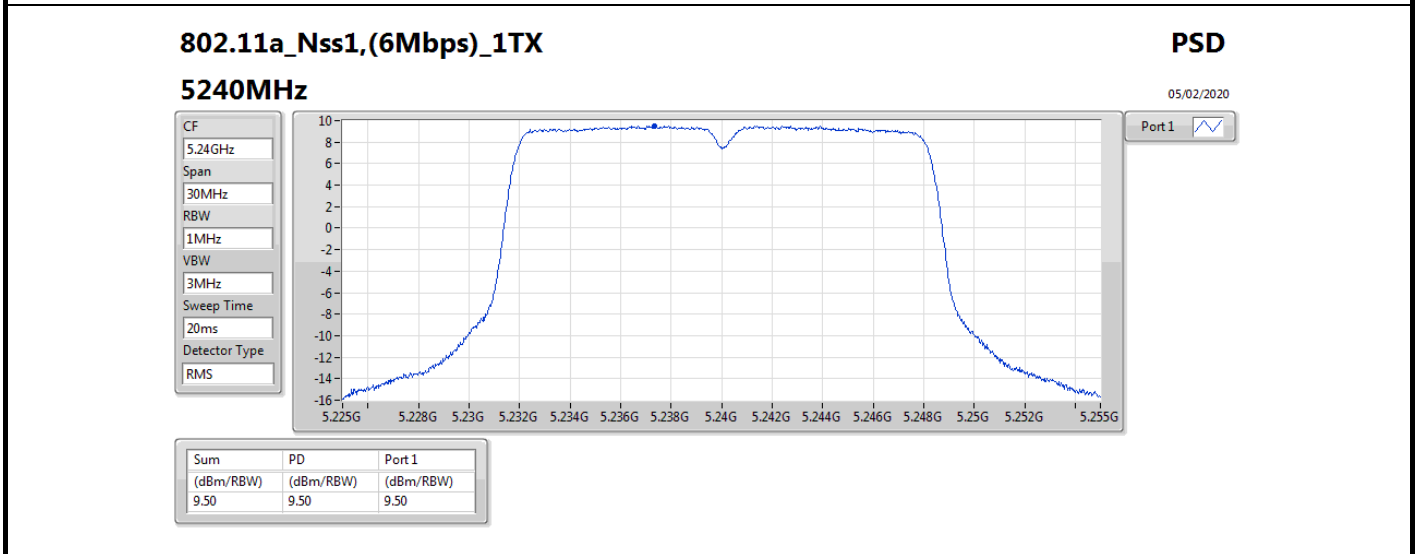
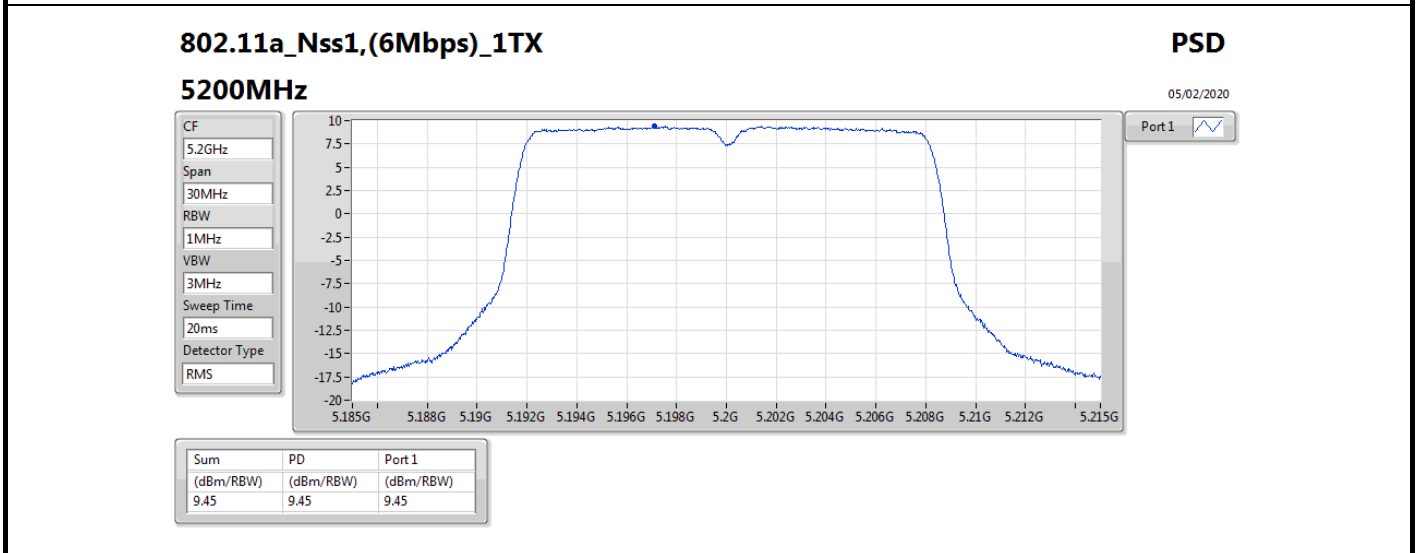
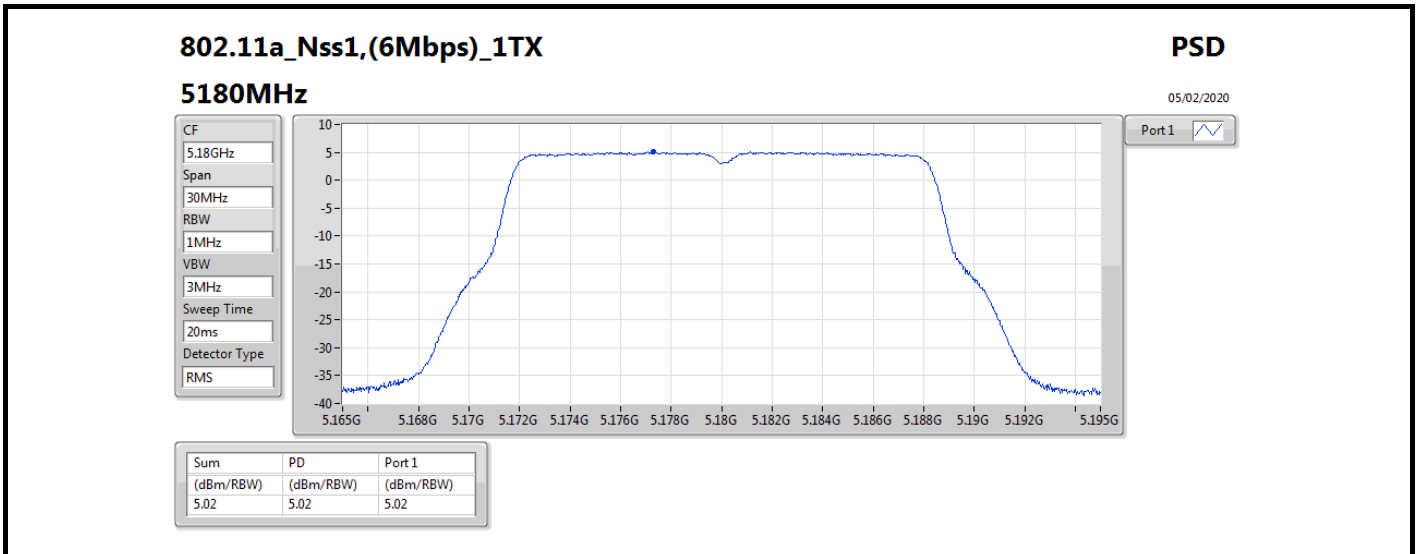


PSD_Non-Beamforming Indoor_Sample 2_Radio 2_Omni_1T1S Appendix D.9

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	-	-	-	-	-	-	-
5180MHz	Pass	8.00	5.02	5.02	15.00	13.02	23.00
5200MHz	Pass	8.00	9.45	9.45	15.00	17.45	23.00
5240MHz	Pass	8.00	9.50	9.50	15.00	17.50	23.00
5745MHz	Pass	8.00	6.92	6.92	28.00	14.92	36.00
5785MHz	Pass	8.00	6.88	6.88	28.00	14.88	36.00
5825MHz	Pass	8.00	6.63	6.63	28.00	14.63	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	8.00	3.79	3.79	15.00	11.79	23.00
5200MHz	Pass	8.00	8.34	8.34	15.00	16.34	23.00
5240MHz	Pass	8.00	8.94	8.94	15.00	16.94	23.00
5745MHz	Pass	8.00	6.87	6.87	28.00	14.87	36.00
5785MHz	Pass	8.00	5.89	5.89	28.00	13.89	36.00
5825MHz	Pass	8.00	5.64	5.64	28.00	13.64	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	8.00	-1.01	-1.01	15.00	6.99	23.00
5230MHz	Pass	8.00	3.38	3.38	15.00	11.38	23.00
5755MHz	Pass	8.00	4.89	4.89	28.00	12.89	36.00
5795MHz	Pass	8.00	4.53	4.53	28.00	12.53	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-4.43	-4.43	15.00	3.57	23.00
5775MHz	Pass	8.00	-1.65	-1.65	28.00	6.35	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	8.00	3.78	3.78	15.00	11.78	23.00
5200MHz	Pass	8.00	8.24	8.24	15.00	16.24	23.00
5240MHz	Pass	8.00	8.86	8.86	15.00	16.86	23.00
5745MHz	Pass	8.00	6.77	6.77	28.00	14.77	36.00
5785MHz	Pass	8.00	5.82	5.82	28.00	13.82	36.00
5825MHz	Pass	8.00	5.44	5.44	28.00	13.44	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	8.00	-0.86	-0.86	15.00	7.14	23.00
5230MHz	Pass	8.00	3.41	3.41	15.00	11.41	23.00
5755MHz	Pass	8.00	4.82	4.82	28.00	12.82	36.00
5795MHz	Pass	8.00	4.61	4.61	28.00	12.61	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-4.31	-4.31	15.00	3.69	23.00
5775MHz	Pass	8.00	-1.43	-1.43	28.00	6.57	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;



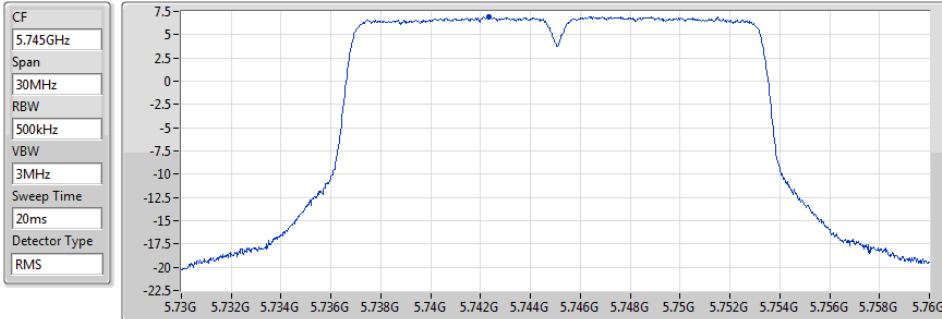


802.11a_Nss1,(6Mbps)_1TX

PSD

5745MHz

05/02/2020



Port 1

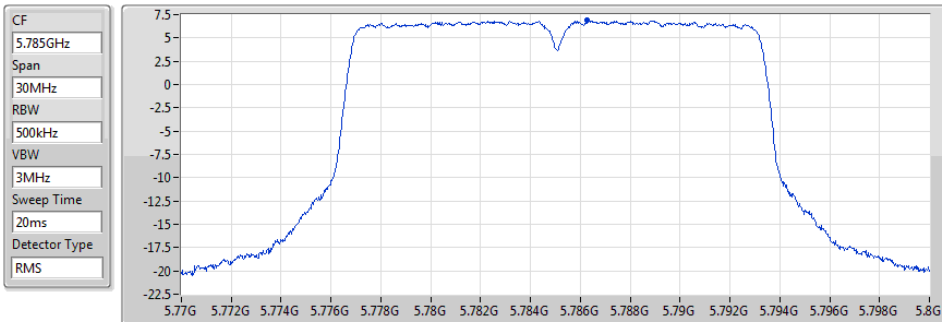
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.92	6.92	6.92

802.11a_Nss1,(6Mbps)_1TX

PSD

5785MHz

05/02/2020



Port 1

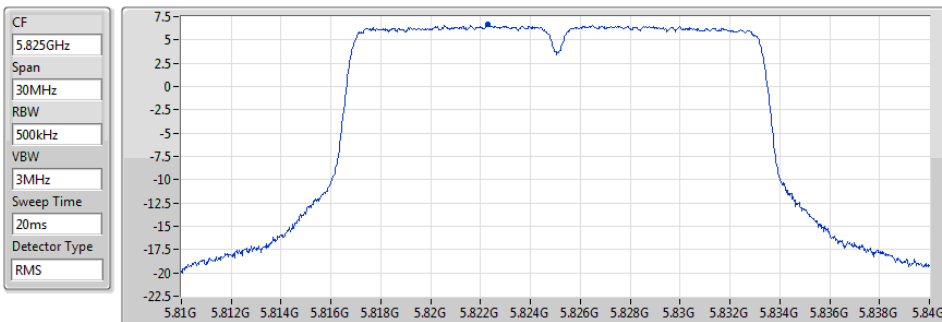
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.88	6.88	6.88

802.11a_Nss1,(6Mbps)_1TX

PSD

5825MHz

05/02/2020



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.63	6.63	6.63



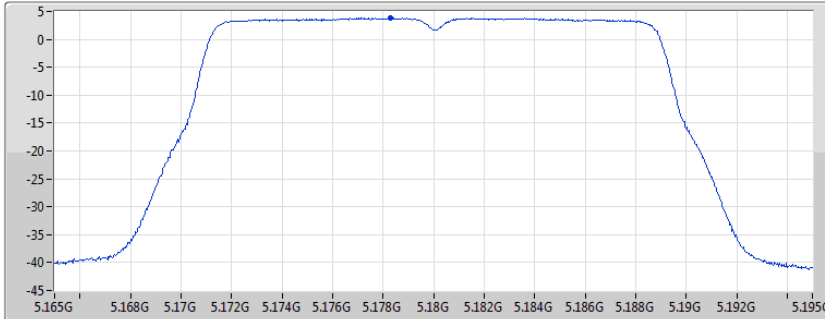
802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5180MHz

06/02/2020

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.79	3.79	3.79

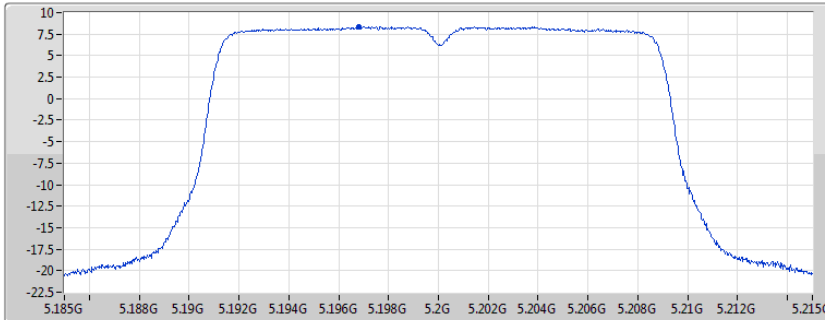
802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5200MHz

06/02/2020

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.34	8.34	8.34

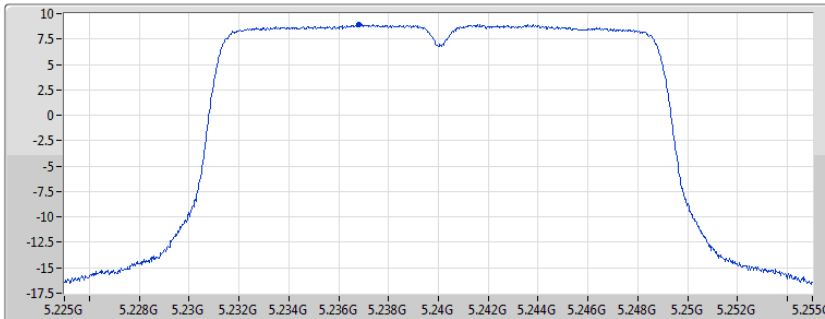
802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

06/02/2020

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.94	8.94	8.94



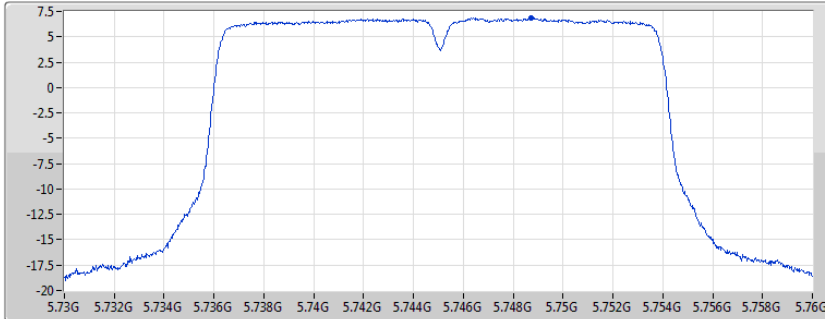
802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5745MHz

06/02/2020

CF
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.87	6.87	6.87

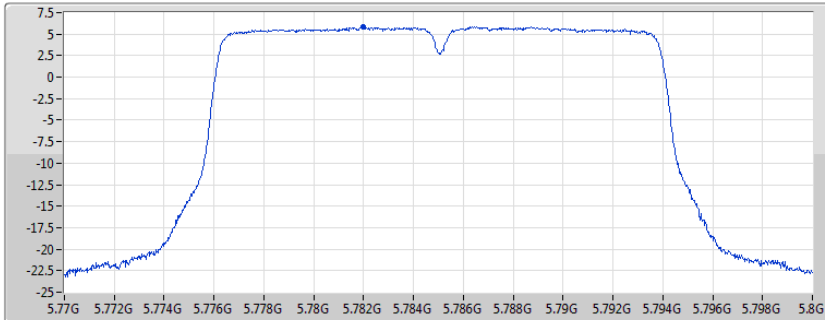
802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5785MHz

06/02/2020

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.89	5.89	5.89

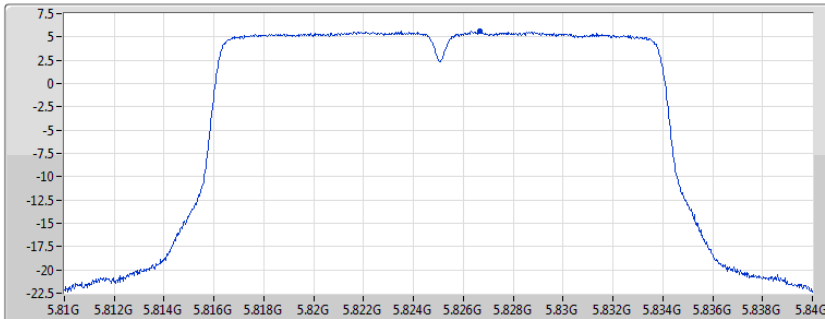
802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5825MHz

06/02/2020

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.64	5.64	5.64



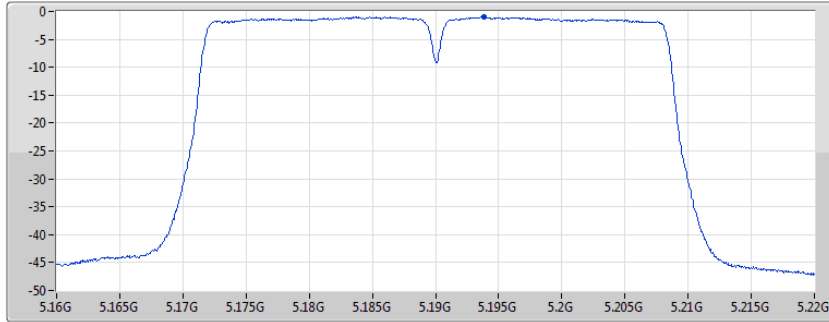
802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

06/02/2020

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.01	-1.01	-1.01

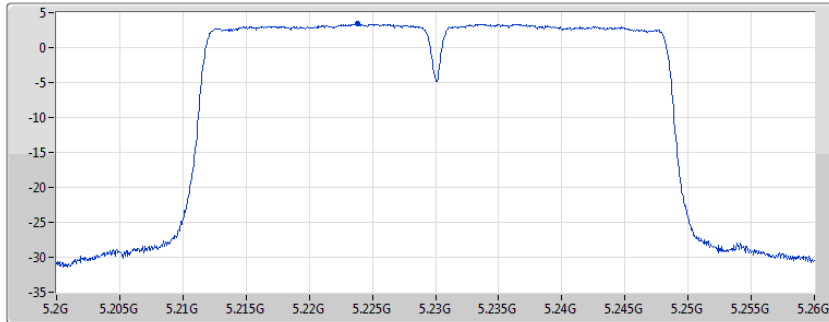
802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5230MHz

06/02/2020

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.38	3.38	3.38

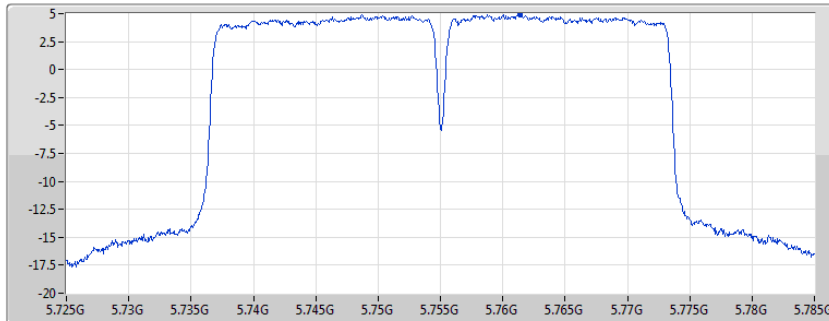
802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5755MHz

06/02/2020

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.89	4.89	4.89

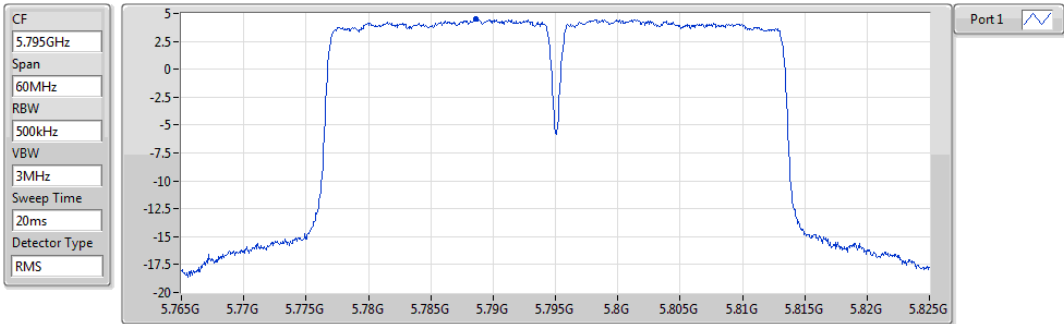


802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5795MHz

06/02/2020



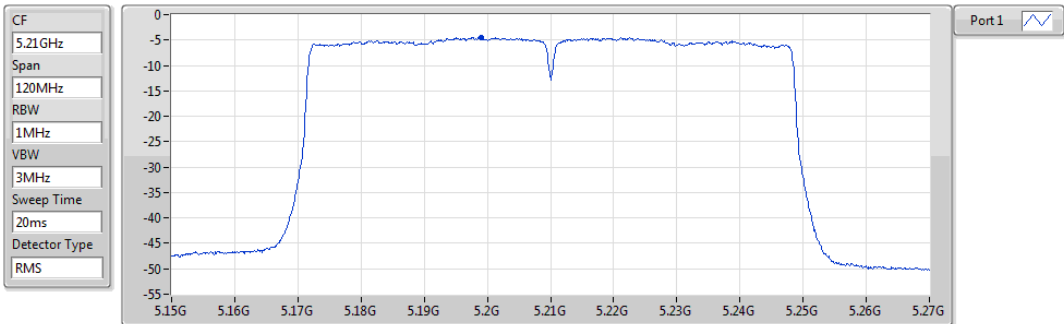
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.53	4.53	4.53

802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5210MHz

06/02/2020



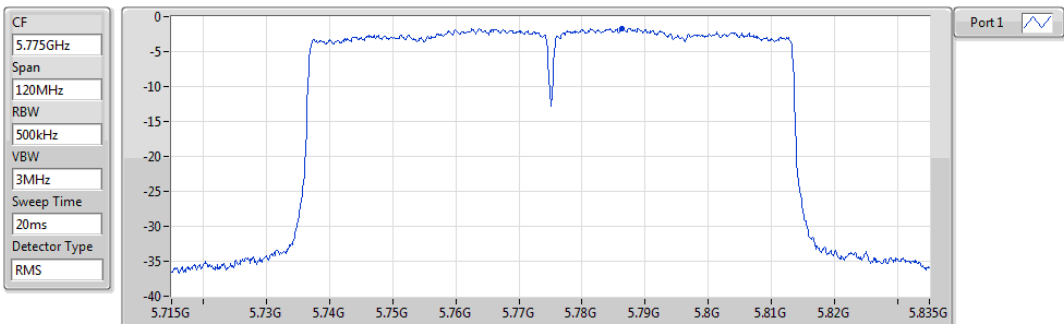
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.43	-4.43	-4.43

802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5775MHz

06/02/2020



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.65	-1.65	-1.65



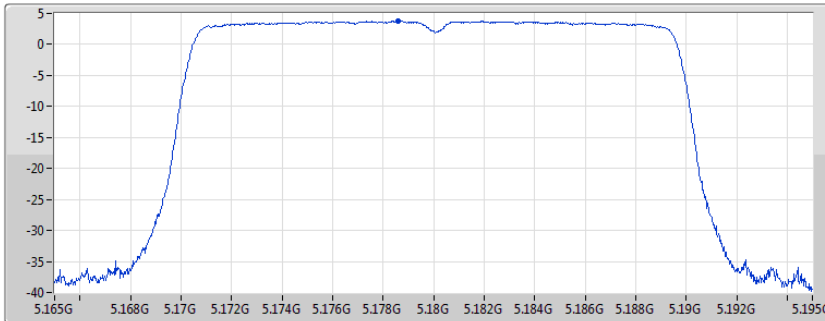
802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5180MHz

05/02/2020

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.78	3.78	3.78

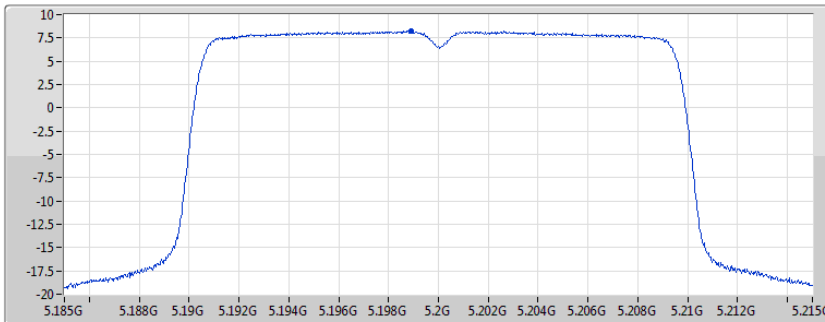
802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

05/02/2020

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.24	8.24	8.24

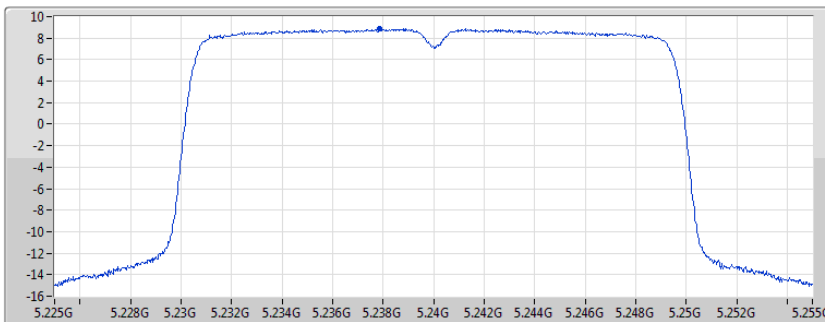
802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

05/02/2020

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.86	8.86	8.86



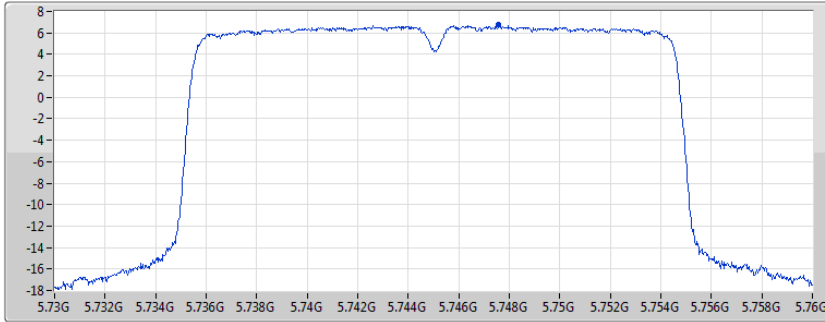
802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5745MHz

06/02/2020

CF
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.77	6.77	6.77

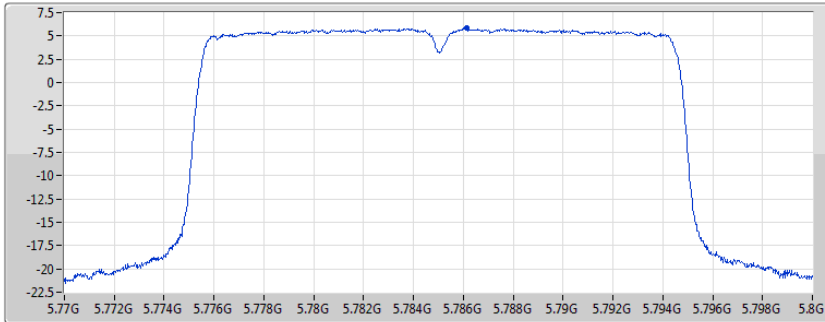
802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5785MHz

06/02/2020

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.82	5.82	5.82

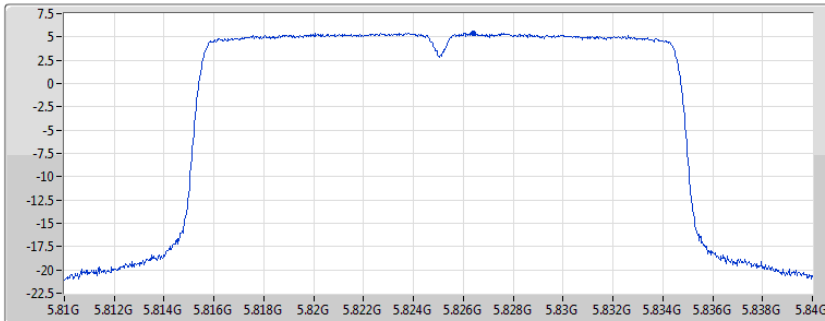
802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5825MHz

06/02/2020

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.44	5.44	5.44

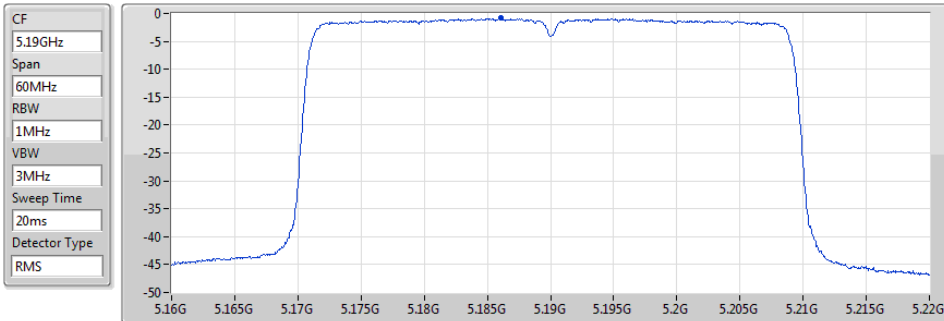


802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

06/02/2020



Port 1

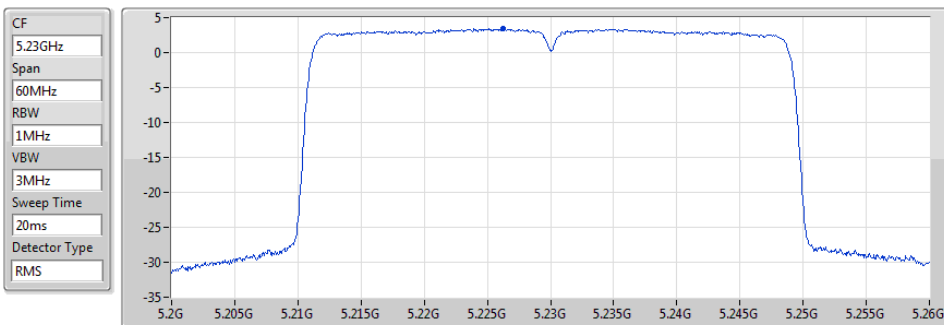
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.86	-0.86	-0.86

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

06/02/2020



Port 1

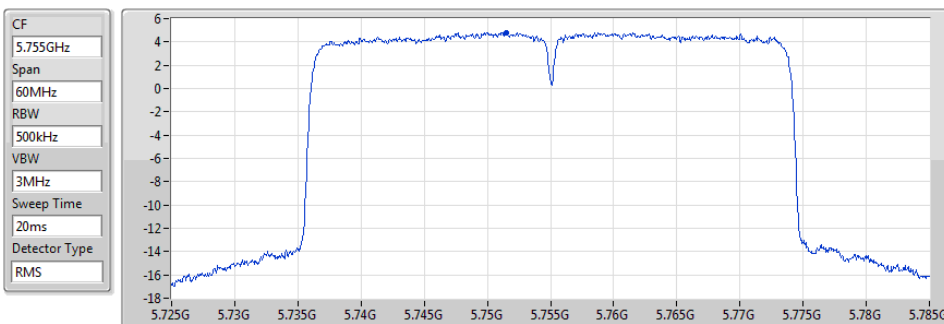
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.41	3.41	3.41

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5755MHz

06/02/2020



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.82	4.82	4.82



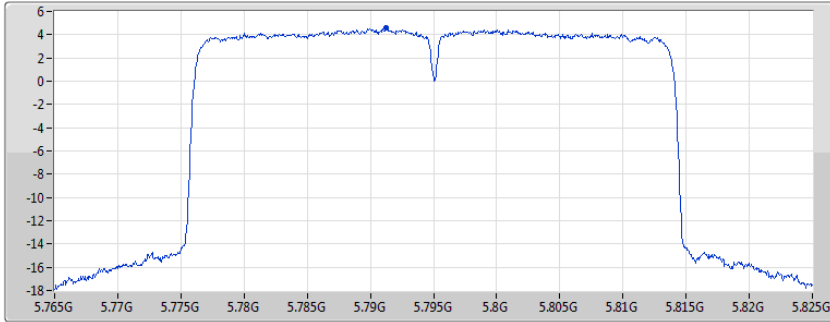
802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5795MHz

06/02/2020

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.61	4.61	4.61

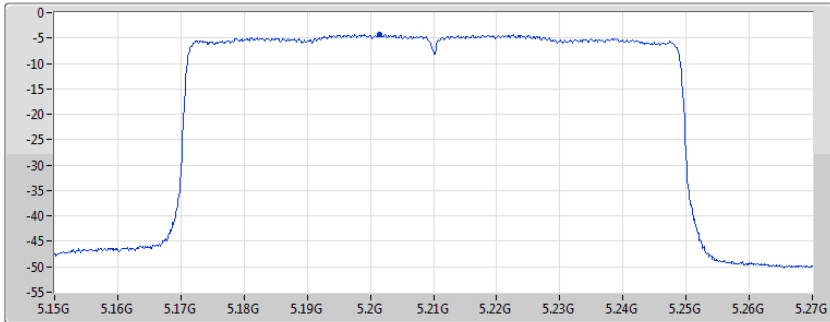
802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

06/02/2020

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.31	-4.31	-4.31

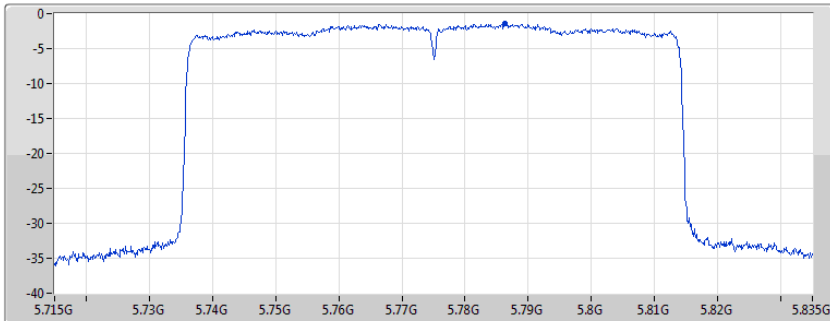
802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5775MHz

06/02/2020

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.43	-1.43	-1.43



PSD_Non-Beamforming Indoor_Sample 2_Radio 2_Omni_2T2S Appendix D.10

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	11.88	22.89
802.11ac VHT20_Nss2,(MCS0)_2TX	11.80	19.80
802.11ac VHT40_Nss2,(MCS0)_2TX	6.15	14.15
802.11ac VHT80_Nss2,(MCS0)_2TX	-3.35	4.65
802.11ax HEW20_Nss2,(MCS0)_2TX	11.69	19.69
802.11ax HEW40_Nss2,(MCS0)_2TX	6.19	14.19
802.11ax HEW80_Nss2,(MCS0)_2TX	-3.12	4.88
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.39	21.40
802.11ac VHT20_Nss2,(MCS0)_2TX	10.06	18.06
802.11ac VHT40_Nss2,(MCS0)_2TX	6.65	14.65
802.11ac VHT80_Nss2,(MCS0)_2TX	0.35	8.35
802.11ax HEW20_Nss2,(MCS0)_2TX	9.98	17.98
802.11ax HEW40_Nss2,(MCS0)_2TX	6.66	14.66
802.11ax HEW80_Nss2,(MCS0)_2TX	0.41	8.41

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

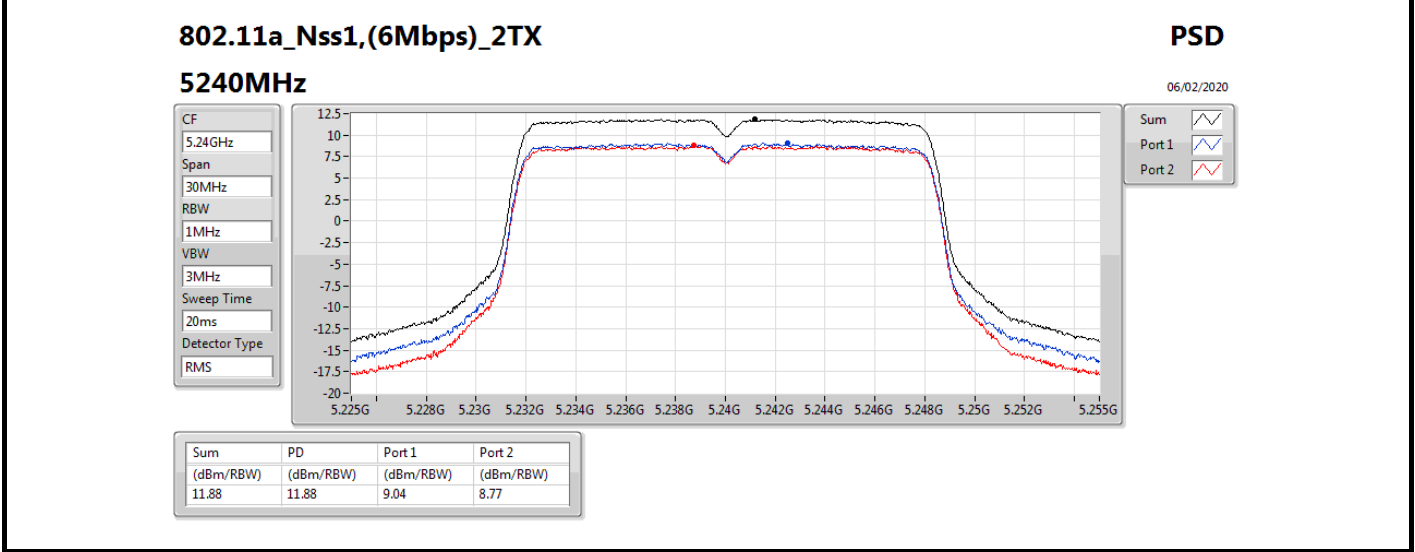
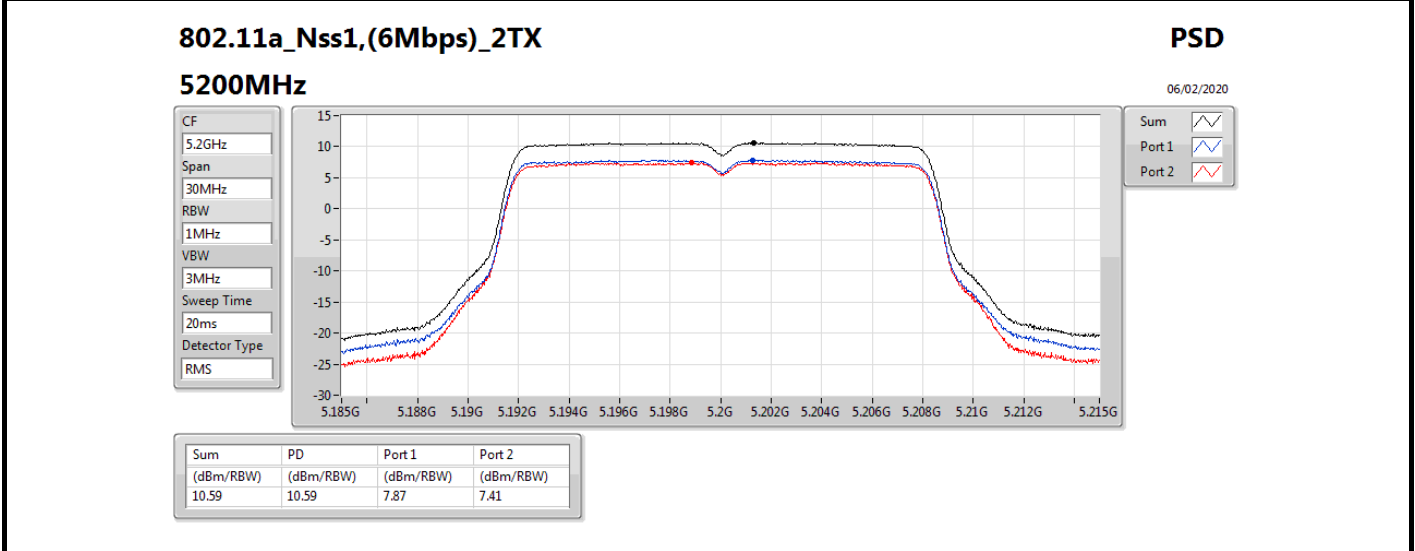
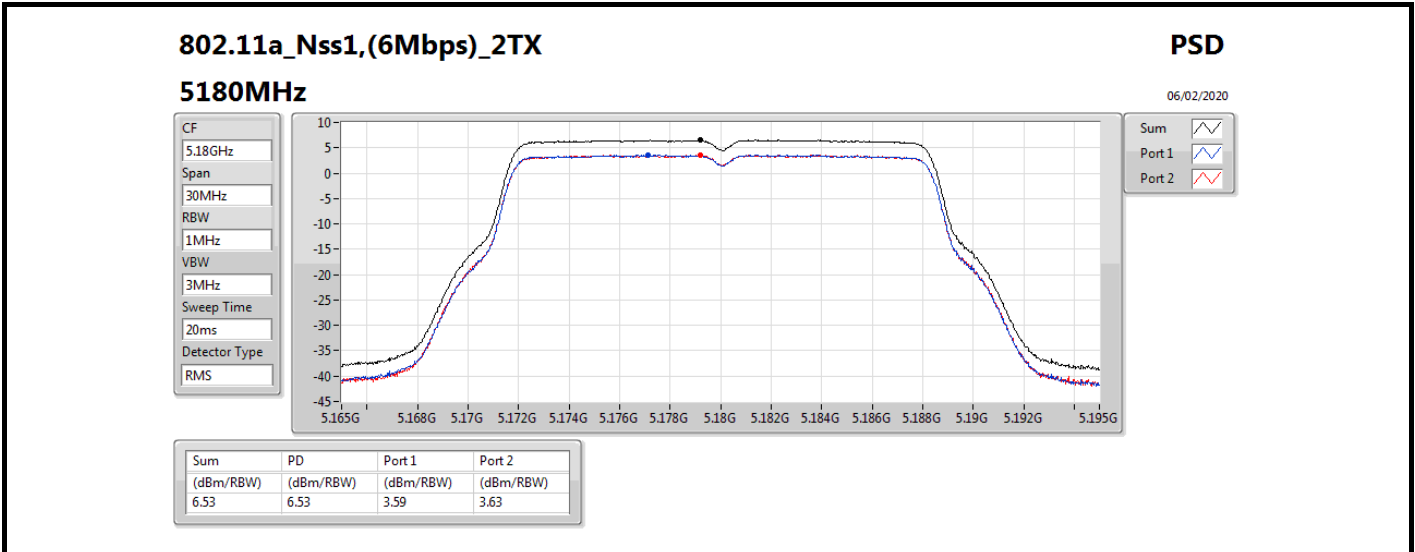


PSD Non-Beamforming Indoor Sample 2 Radio 2 Omni 2T2S Appendix D.10

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	-	-	-	-	-	-	-	-
5180MHz	Pass	11.01	3.59	3.63	6.53	11.99	17.54	23.00
5200MHz	Pass	11.01	7.87	7.41	10.59	11.99	21.60	23.00
5240MHz	Pass	11.01	9.04	8.77	11.88	11.99	22.89	23.00
5745MHz	Pass	11.01	6.38	6.40	9.29	24.99	20.30	36.00
5785MHz	Pass	11.01	7.53	7.28	10.39	24.99	21.40	36.00
5825MHz	Pass	11.01	6.50	6.40	9.41	24.99	20.42	36.00
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.00	2.82	2.73	5.71	15.00	13.71	23.00
5200MHz	Pass	8.00	7.54	7.04	10.23	15.00	18.23	23.00
5240MHz	Pass	8.00	9.01	8.68	11.80	15.00	19.80	23.00
5745MHz	Pass	8.00	6.35	6.44	9.30	28.00	17.30	36.00
5785MHz	Pass	8.00	6.20	6.25	9.16	28.00	17.16	36.00
5825MHz	Pass	8.00	7.23	7.12	10.06	28.00	18.06	36.00
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.00	-1.52	-2.01	1.12	15.00	9.12	23.00
5230MHz	Pass	8.00	3.50	2.94	6.15	15.00	14.15	23.00
5755MHz	Pass	8.00	3.15	2.56	5.82	28.00	13.82	36.00
5795MHz	Pass	8.00	3.97	3.53	6.65	28.00	14.65	36.00
802.11ac VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-6.34	-6.20	-3.35	15.00	4.65	23.00
5775MHz	Pass	8.00	-2.76	-2.28	0.35	28.00	8.35	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.00	2.84	2.64	5.72	15.00	13.72	23.00
5200MHz	Pass	8.00	7.50	7.10	10.24	15.00	18.24	23.00
5240MHz	Pass	8.00	8.90	8.57	11.69	15.00	19.69	23.00
5745MHz	Pass	8.00	6.32	6.32	9.26	28.00	17.26	36.00
5785MHz	Pass	8.00	6.06	6.12	9.04	28.00	17.04	36.00
5825MHz	Pass	8.00	7.08	7.01	9.98	28.00	17.98	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.00	-1.64	-2.02	1.12	15.00	9.12	23.00
5230MHz	Pass	8.00	3.48	3.02	6.19	15.00	14.19	23.00
5755MHz	Pass	8.00	2.97	2.72	5.75	28.00	13.75	36.00
5795MHz	Pass	8.00	3.94	3.54	6.66	28.00	14.66	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.00	-6.01	-6.01	-3.12	15.00	4.88	23.00
5775MHz	Pass	8.00	-2.68	-2.31	0.41	28.00	8.41	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;





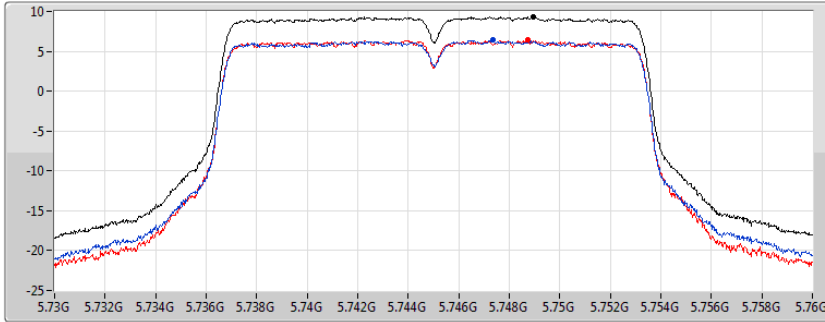
802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

06/02/2020

CF
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.29	9.29	6.38	6.40

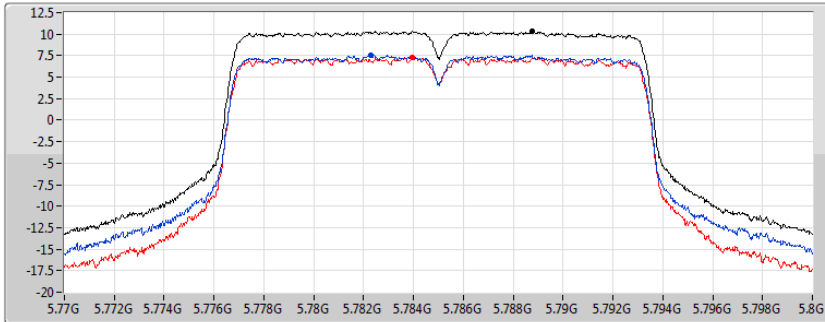
802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

06/02/2020

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.39	10.39	7.53	7.28

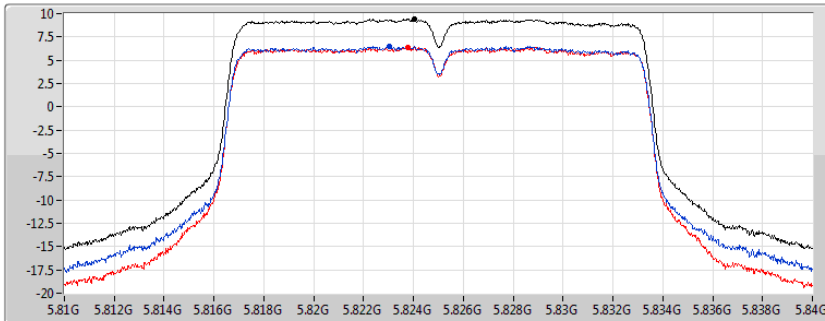
802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

06/02/2020

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.41	9.41	6.50	6.40



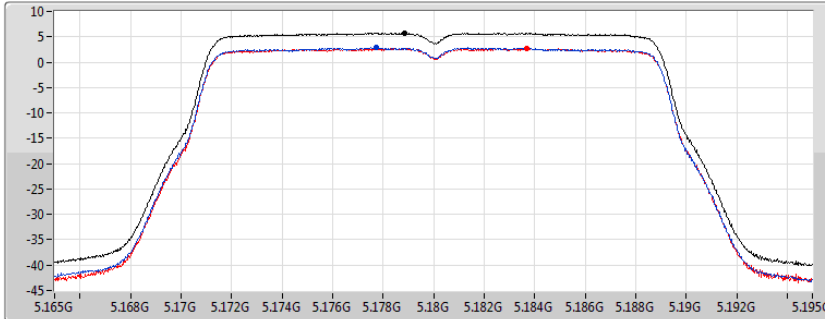
802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5180MHz

06/02/2020

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.71	5.71	2.82	2.73

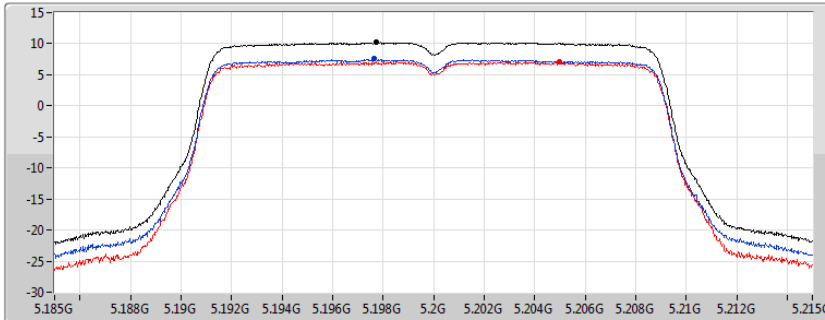
802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5200MHz

06/02/2020

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.23	10.23	7.54	7.04

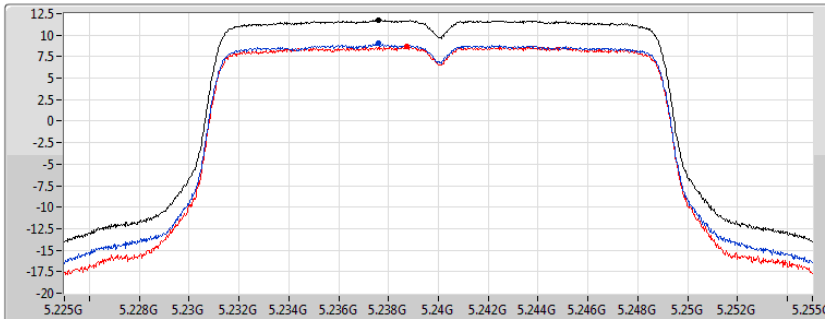
802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5240MHz

06/02/2020

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.80	11.80	9.01	8.68



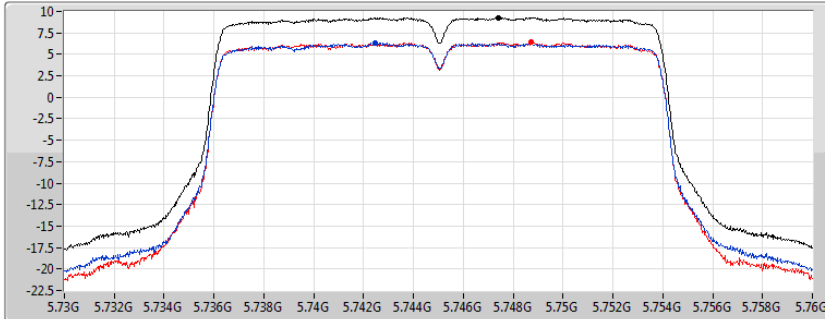
802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5745MHz

06/02/2020

CF
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.30	9.30	6.35	6.44

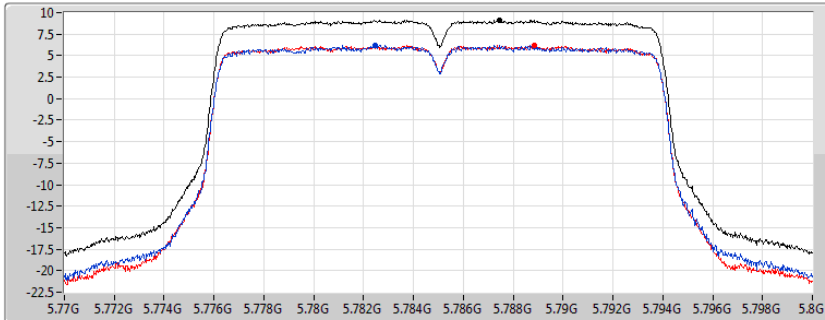
802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5785MHz

06/02/2020

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.16	9.16	6.20	6.25

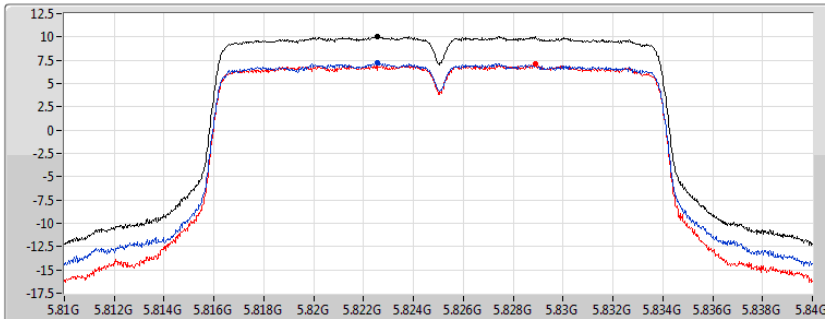
802.11ac VHT20_Nss2,(MCS0)_2TX

PSD

5825MHz

06/02/2020

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.06	10.06	7.23	7.12



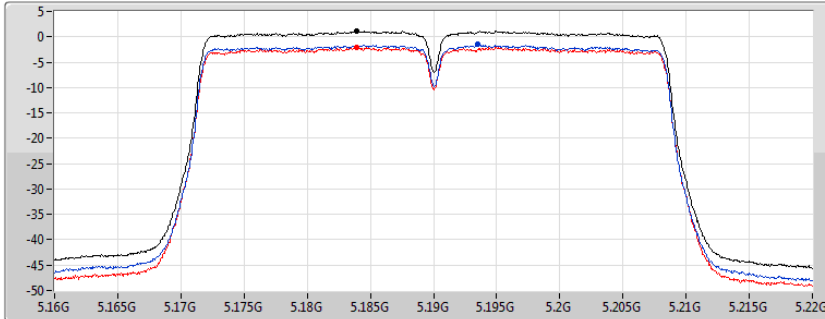
802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5190MHz

06/02/2020

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.12	1.12	-1.52	-2.01

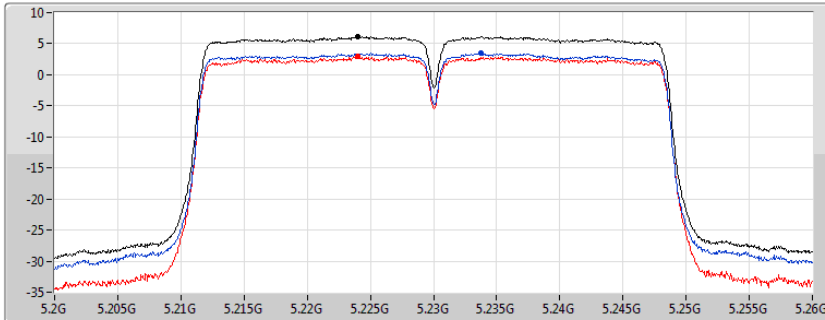
802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5230MHz

06/02/2020

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.15	6.15	3.50	2.94

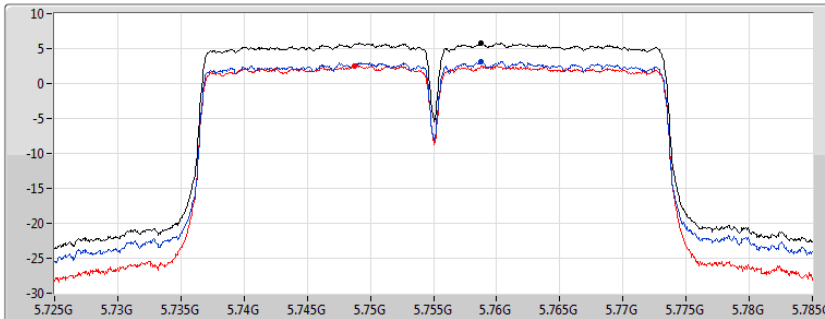
802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5755MHz

06/02/2020

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.82	5.82	3.15	2.56



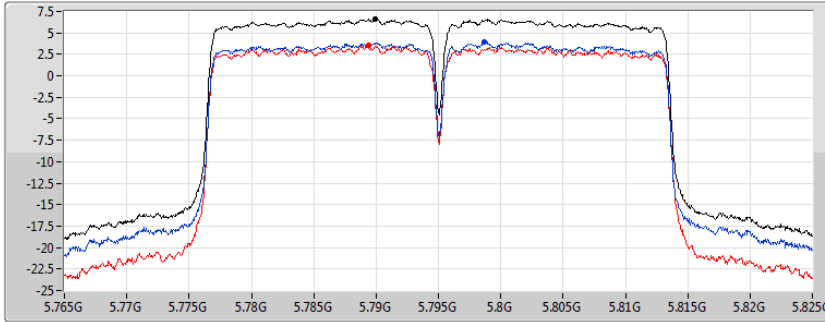
802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5795MHz

06/02/2020

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.65	6.65	3.97	3.53

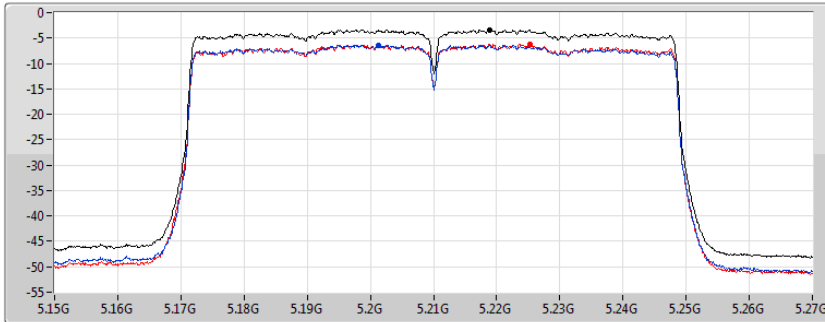
802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5210MHz

06/02/2020

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.35	-3.35	-6.34	-6.20

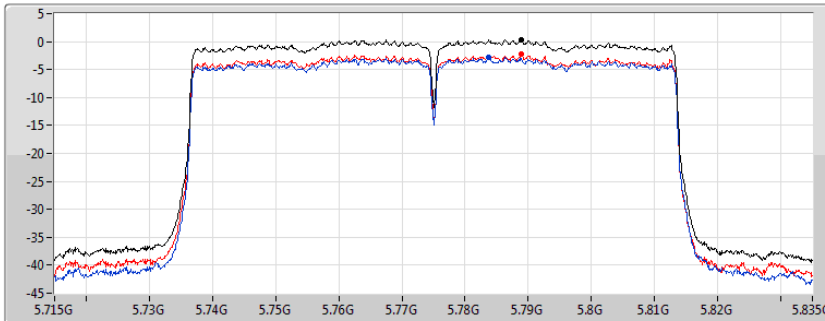
802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5775MHz

06/02/2020

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.35	0.35	-2.76	-2.28



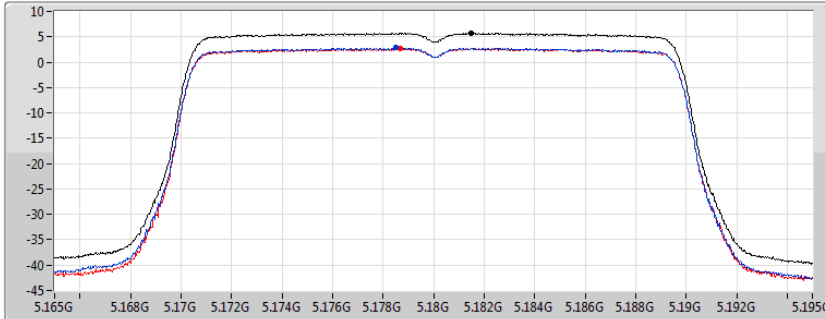
802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5180MHz

06/02/2020

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.72	5.72	2.84	2.64

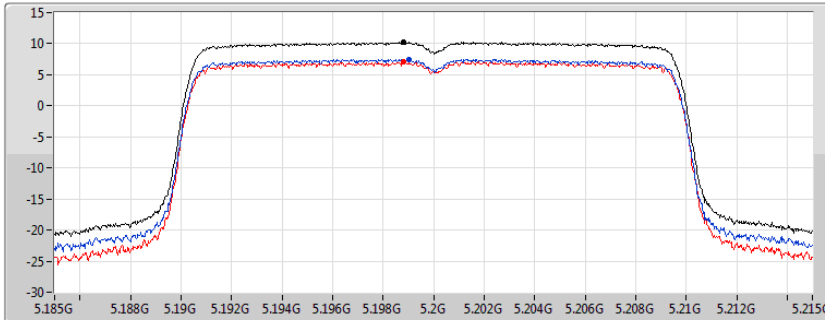
802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

06/02/2020

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.24	10.24	7.50	7.10

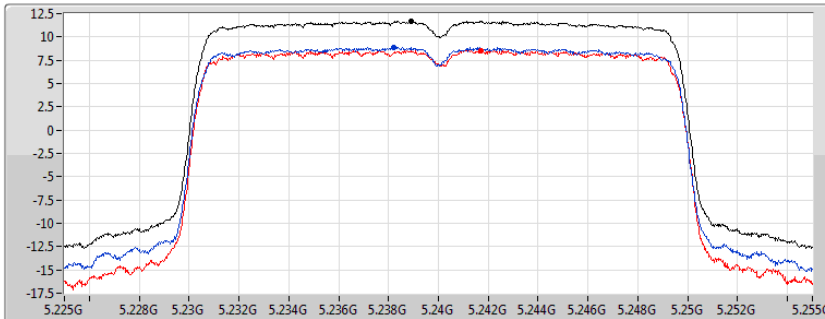
802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5240MHz

06/02/2020

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.69	11.69	8.90	8.57



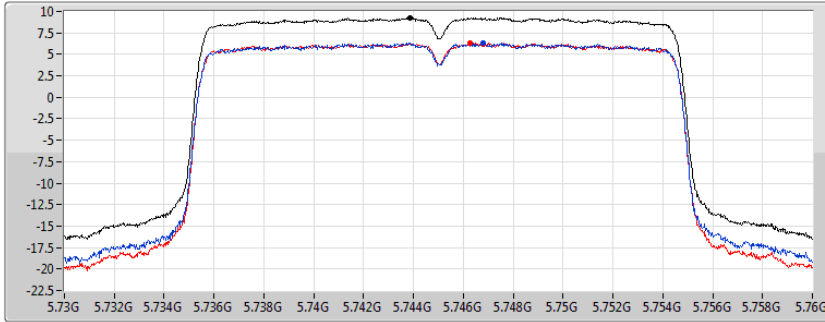
802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

06/02/2020

CF
5.745GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.26	9.26	6.32	6.32

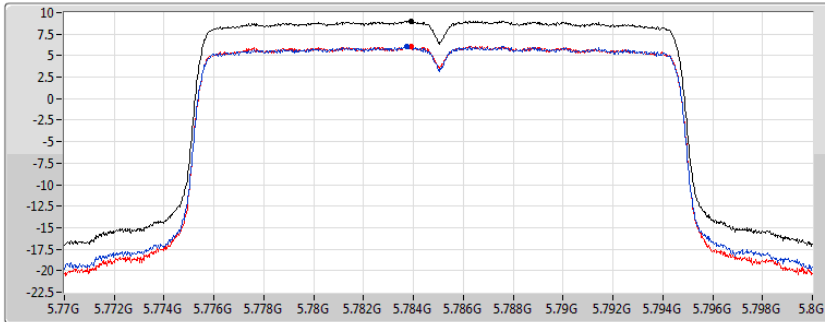
802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5785MHz

06/02/2020

CF
5.785GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.04	9.04	6.06	6.12

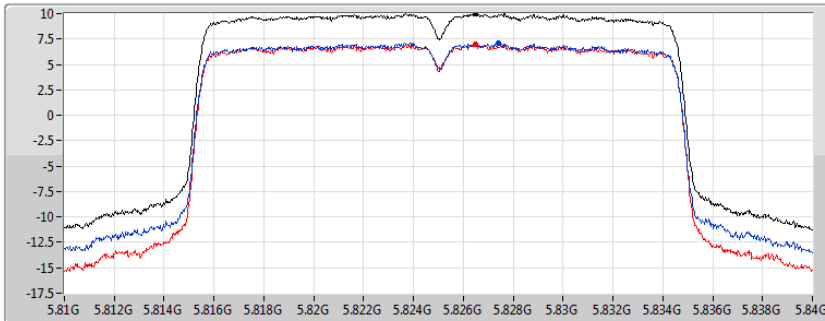
802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

06/02/2020

CF
5.825GHz
Span
30MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.98	9.98	7.08	7.01



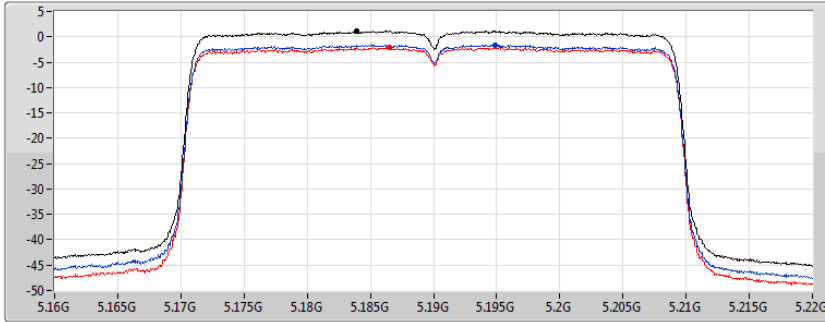
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

06/02/2020

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.12	1.12	-1.64	-2.02

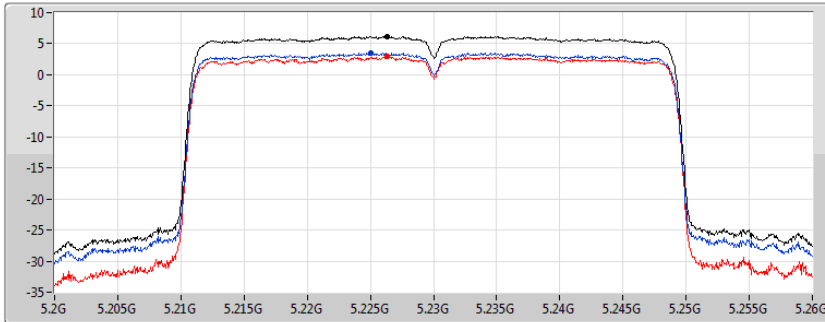
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

06/02/2020

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.19	6.19	3.48	3.02

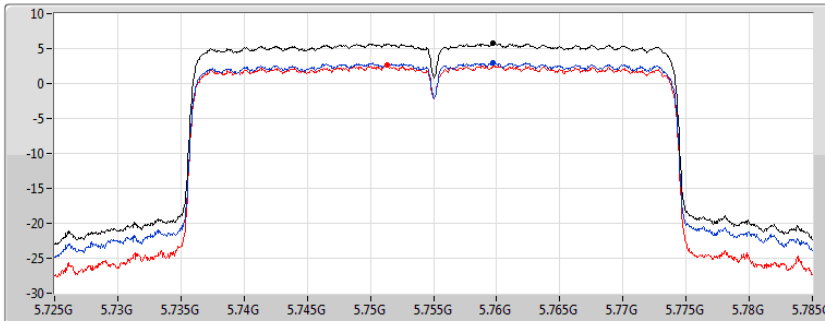
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

06/02/2020

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.75	5.75	2.97	2.72



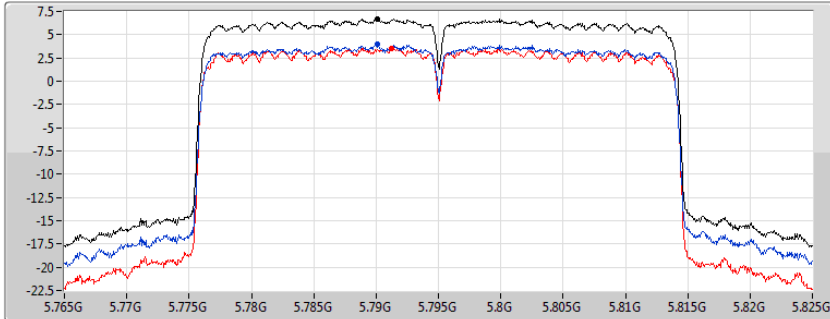
802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

06/02/2020

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.66	6.66	3.94	3.54

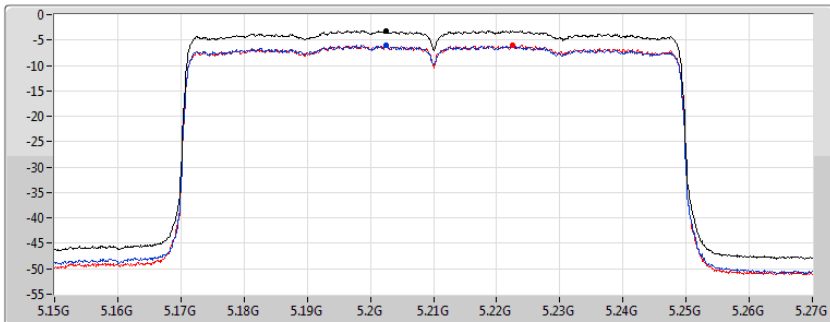
802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

06/02/2020

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.12	-3.12	-6.01	-6.01

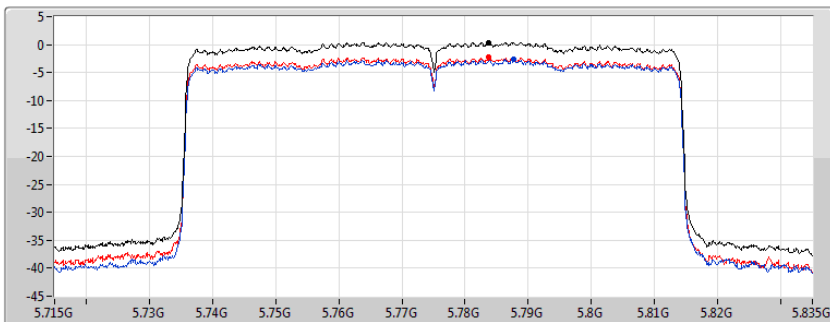
802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

06/02/2020

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.41	0.41	-2.68	-2.31



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	9.48	20.18
802.11ac VHT20_Nss1,(MCS0)_1TX	8.49	19.19
802.11ac VHT40_Nss1,(MCS0)_1TX	4.22	14.92
802.11ac VHT80_Nss1,(MCS0)_1TX	-3.76	6.94
802.11ax HEW20_Nss1,(MCS0)_1TX	8.72	19.42
802.11ax HEW40_Nss1,(MCS0)_1TX	4.18	14.88
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.68	7.02
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	7.56	18.26
802.11ac VHT20_Nss1,(MCS0)_1TX	6.92	17.62
802.11ac VHT40_Nss1,(MCS0)_1TX	4.03	14.73
802.11ac VHT80_Nss1,(MCS0)_1TX	-1.35	9.35
802.11ax HEW20_Nss1,(MCS0)_1TX	6.82	17.52
802.11ax HEW40_Nss1,(MCS0)_1TX	3.89	14.59
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.33	9.37

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

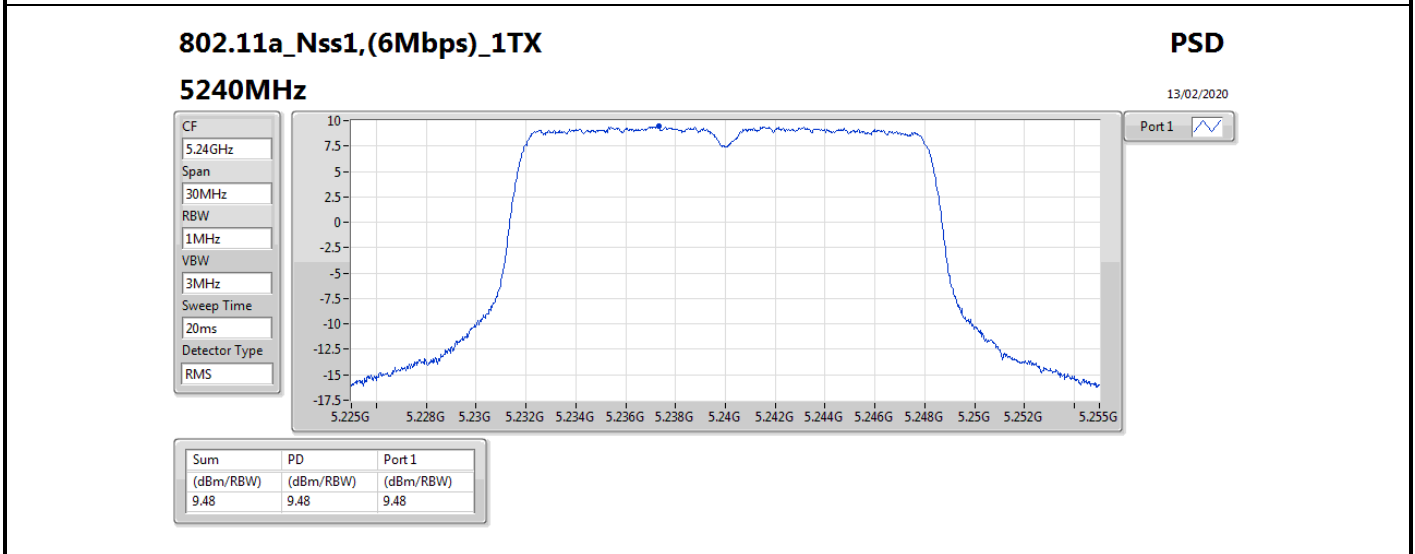
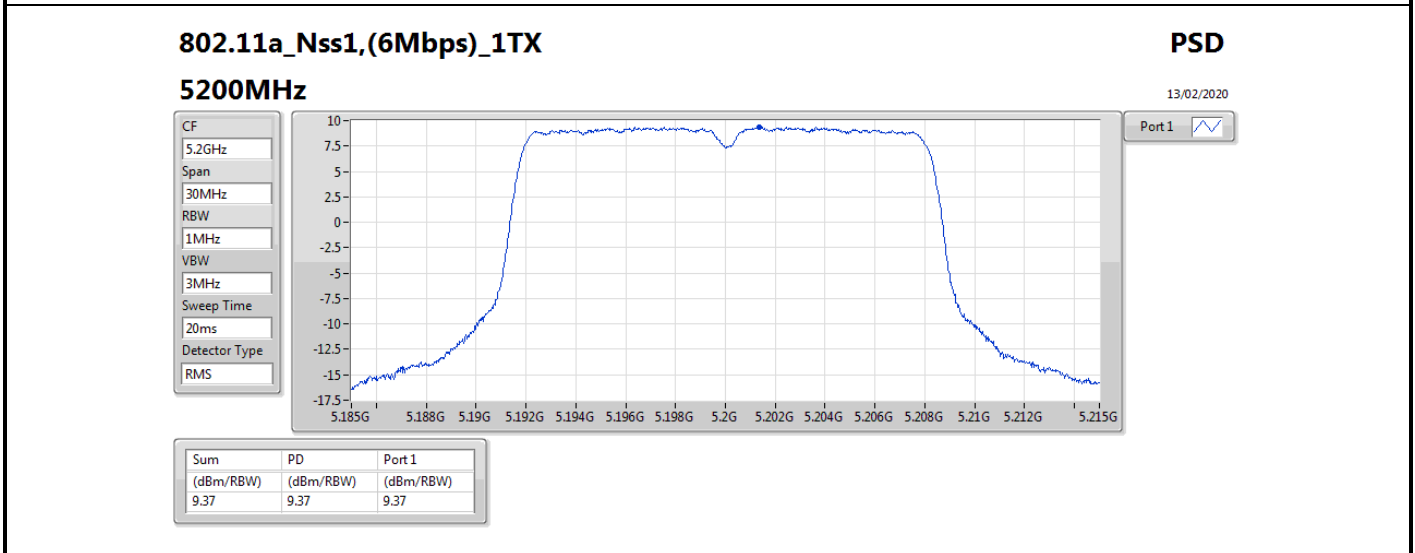
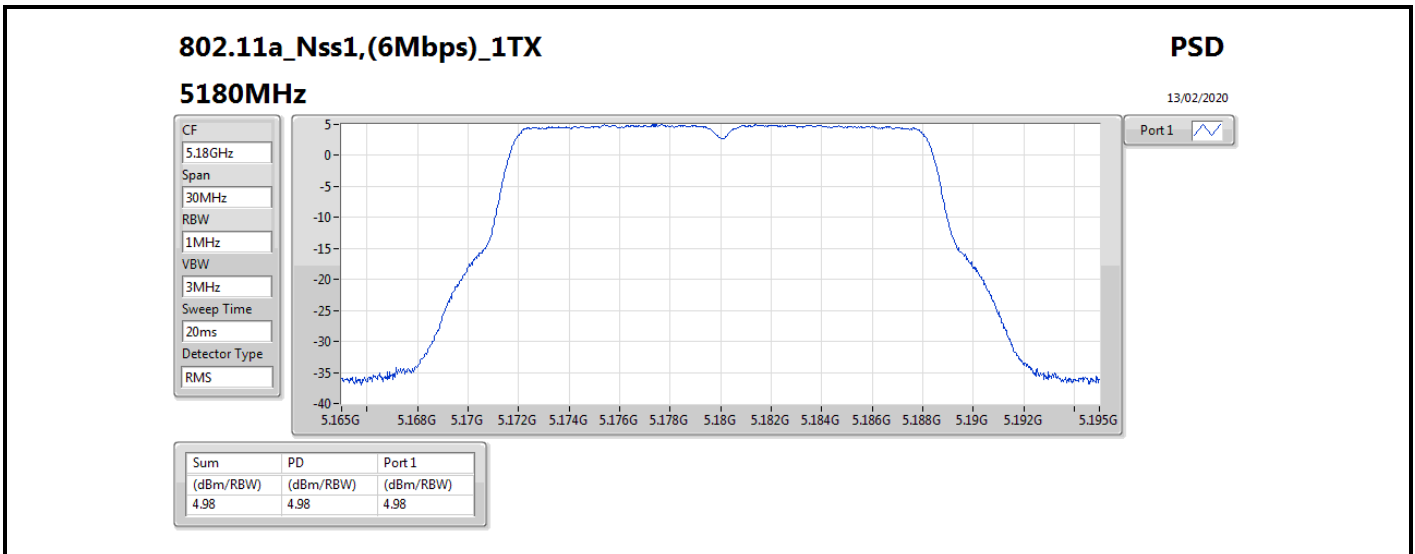


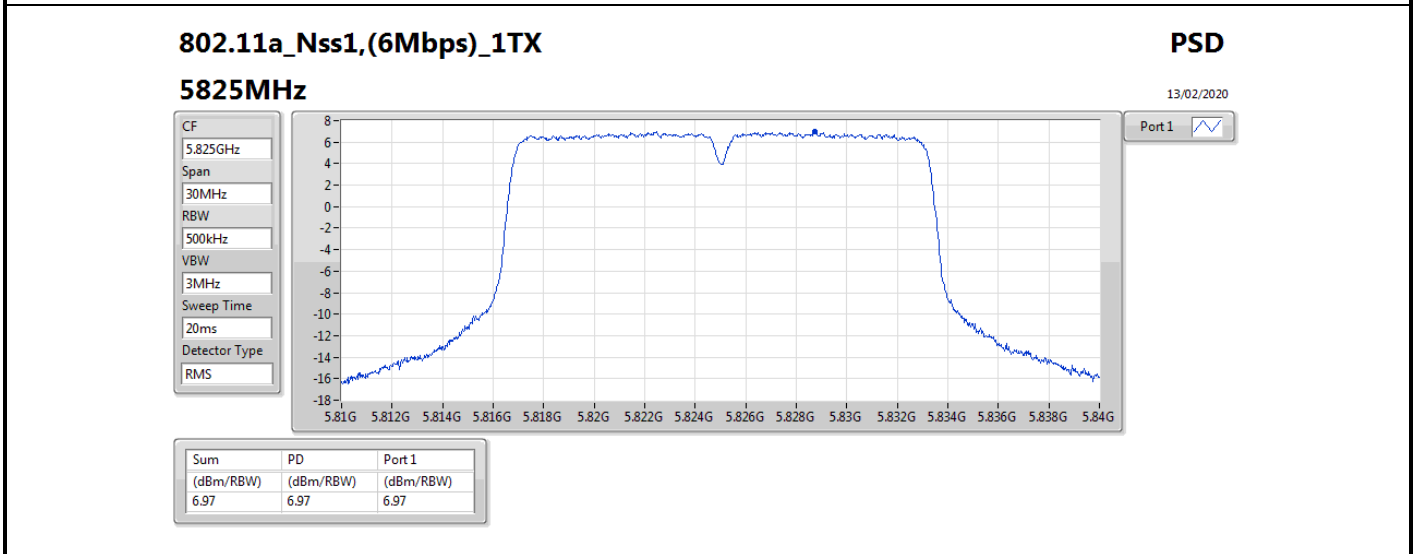
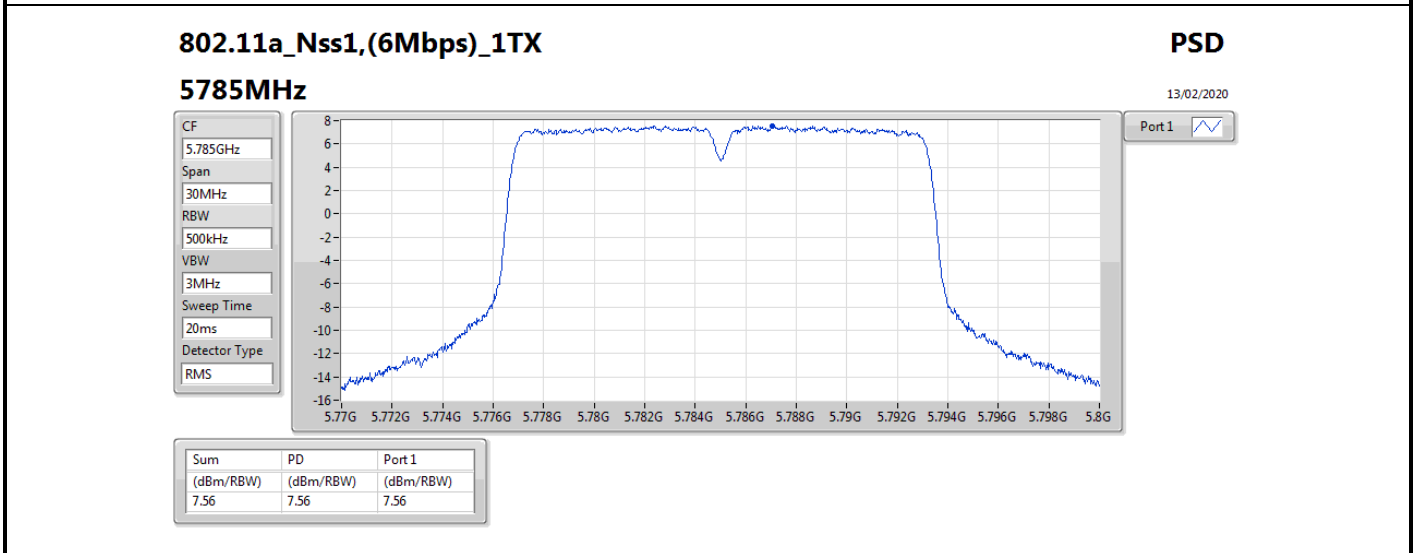
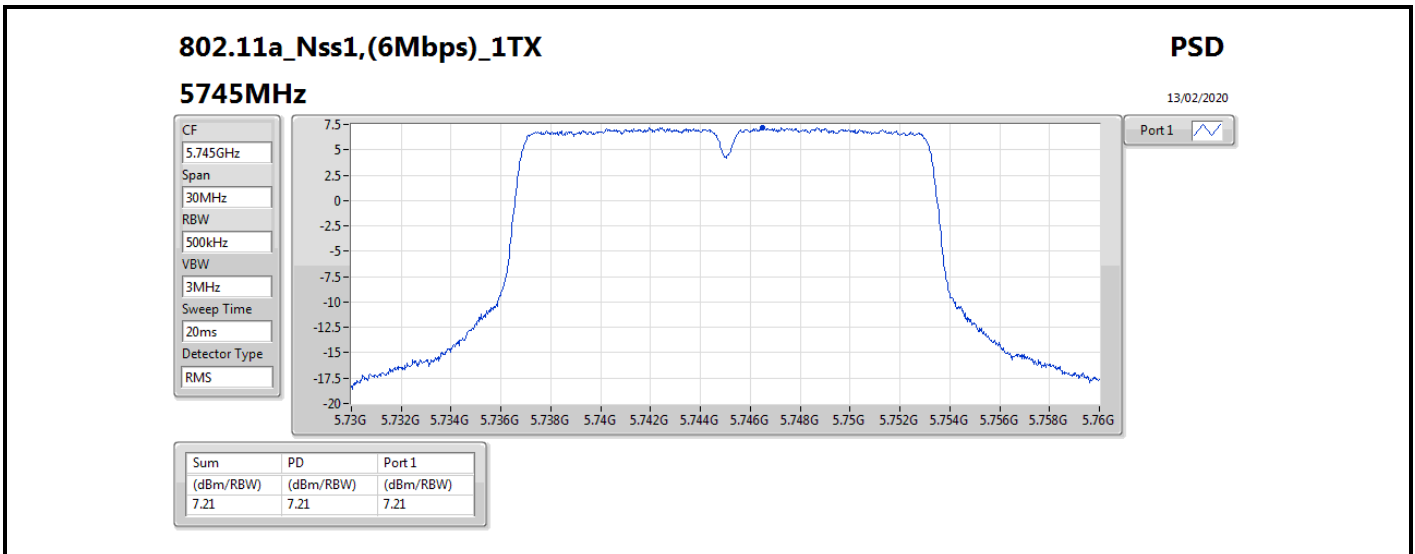
Result

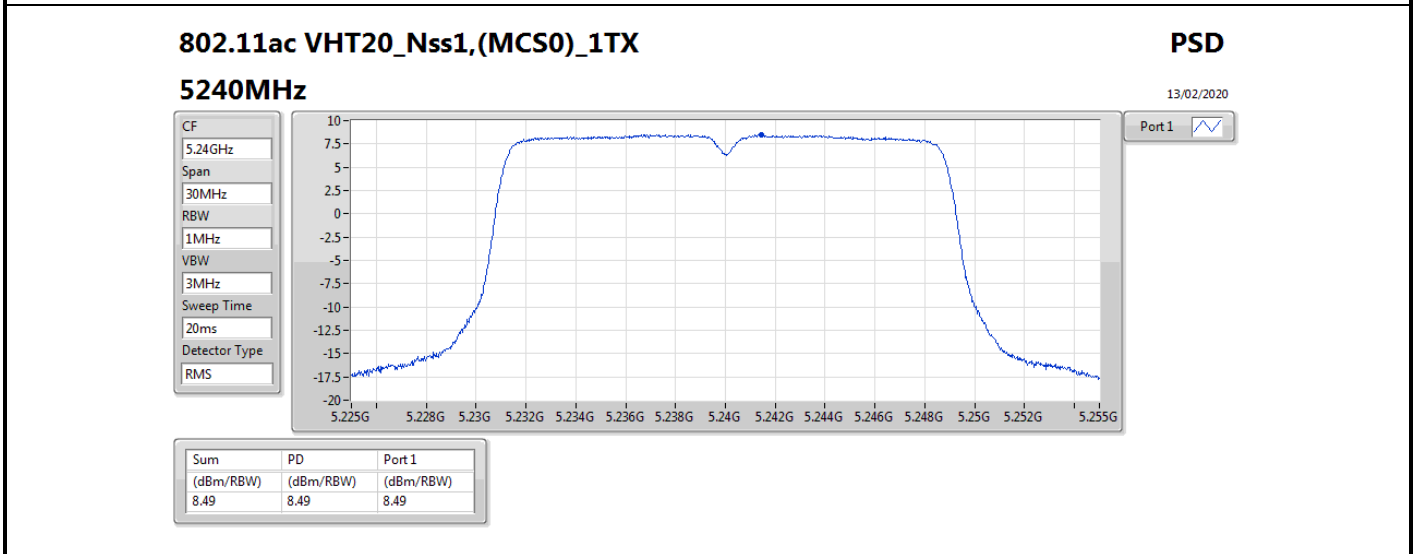
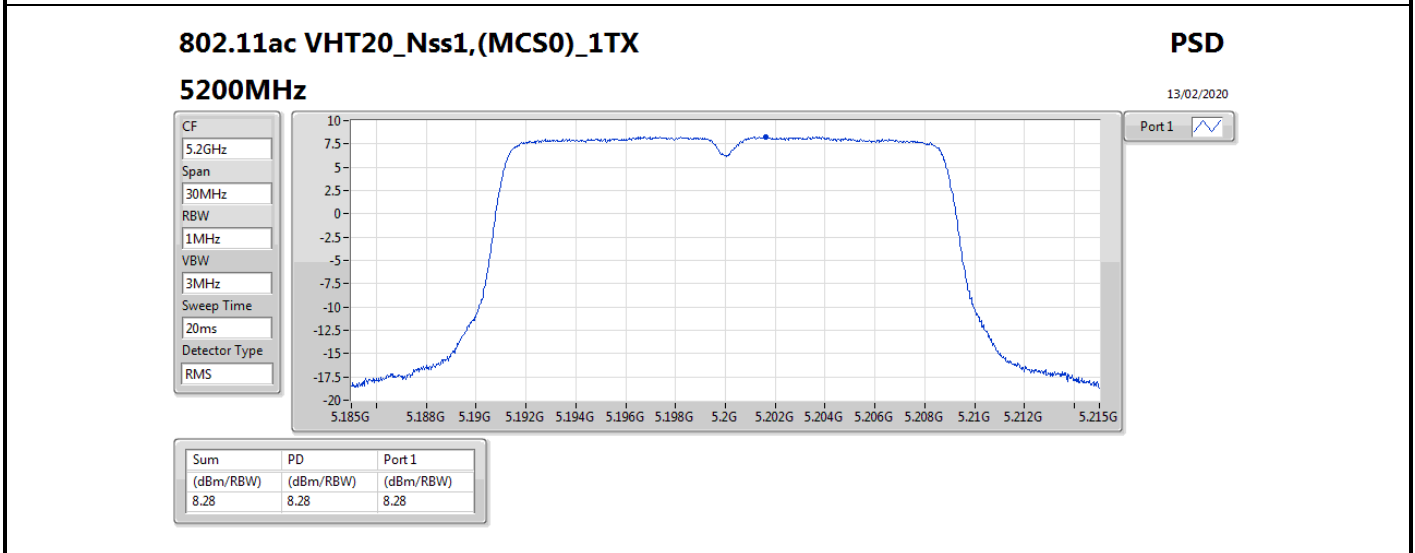
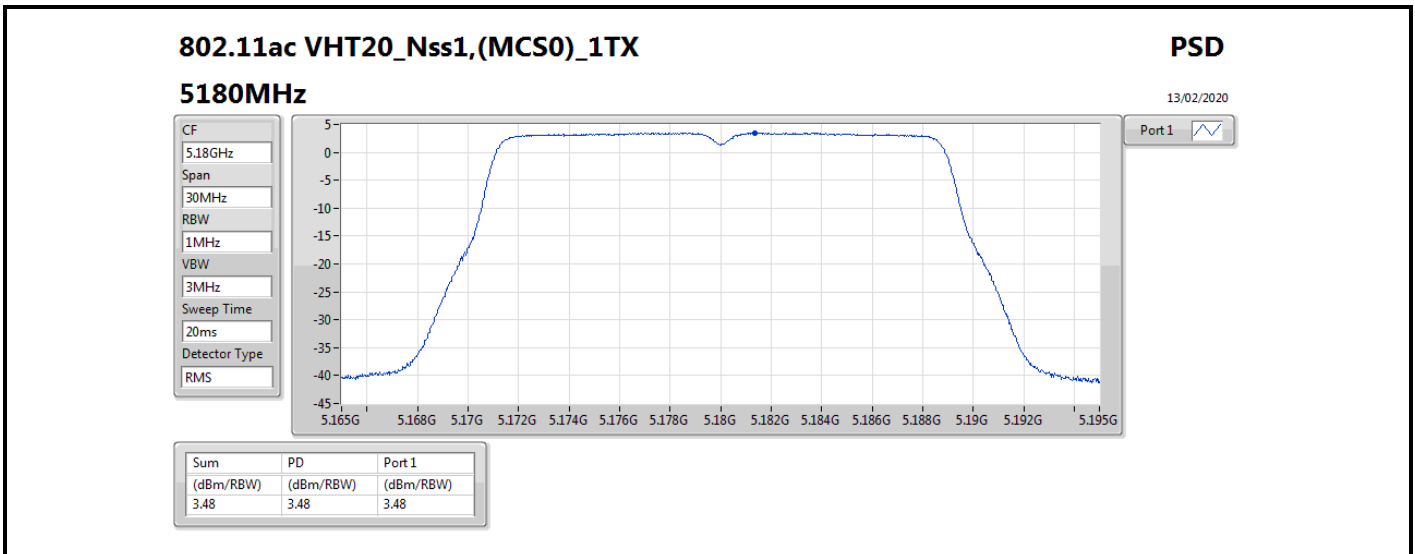
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	10.70	4.98	4.98	12.30	15.68	23.00
5200MHz	Pass	10.70	9.37	9.37	12.30	20.07	23.00
5240MHz	Pass	10.70	9.48	9.48	12.30	20.18	23.00
5745MHz	Pass	10.70	7.21	7.21	25.30	17.91	36.00
5785MHz	Pass	10.70	7.56	7.56	25.30	18.26	36.00
5825MHz	Pass	10.70	6.97	6.97	25.30	17.67	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	10.70	3.48	3.48	12.30	14.18	23.00
5200MHz	Pass	10.70	8.28	8.28	12.30	18.98	23.00
5240MHz	Pass	10.70	8.49	8.49	12.30	19.19	23.00
5745MHz	Pass	10.70	6.90	6.90	25.30	17.60	36.00
5785MHz	Pass	10.70	6.27	6.27	25.30	16.97	36.00
5825MHz	Pass	10.70	6.92	6.92	25.30	17.62	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-0.67	-0.67	12.30	10.03	23.00
5230MHz	Pass	10.70	4.22	4.22	12.30	14.92	23.00
5755MHz	Pass	10.70	4.03	4.03	25.30	14.73	36.00
5795MHz	Pass	10.70	3.93	3.93	25.30	14.63	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-3.76	-3.76	12.30	6.94	23.00
5775MHz	Pass	10.70	-1.35	-1.35	25.30	9.35	36.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	10.70	3.68	3.68	12.30	14.38	23.00
5200MHz	Pass	10.70	8.30	8.30	12.30	19.00	23.00
5240MHz	Pass	10.70	8.72	8.72	12.30	19.42	23.00
5745MHz	Pass	10.70	6.77	6.77	25.30	17.47	36.00
5785MHz	Pass	10.70	6.33	6.33	25.30	17.03	36.00
5825MHz	Pass	10.70	6.82	6.82	25.30	17.52	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-0.68	-0.68	12.30	10.02	23.00
5230MHz	Pass	10.70	4.18	4.18	12.30	14.88	23.00
5755MHz	Pass	10.70	3.84	3.84	25.30	14.54	36.00
5795MHz	Pass	10.70	3.89	3.89	25.30	14.59	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-3.68	-3.68	12.30	7.02	23.00
5775MHz	Pass	10.70	-1.33	-1.33	25.30	9.37	36.00

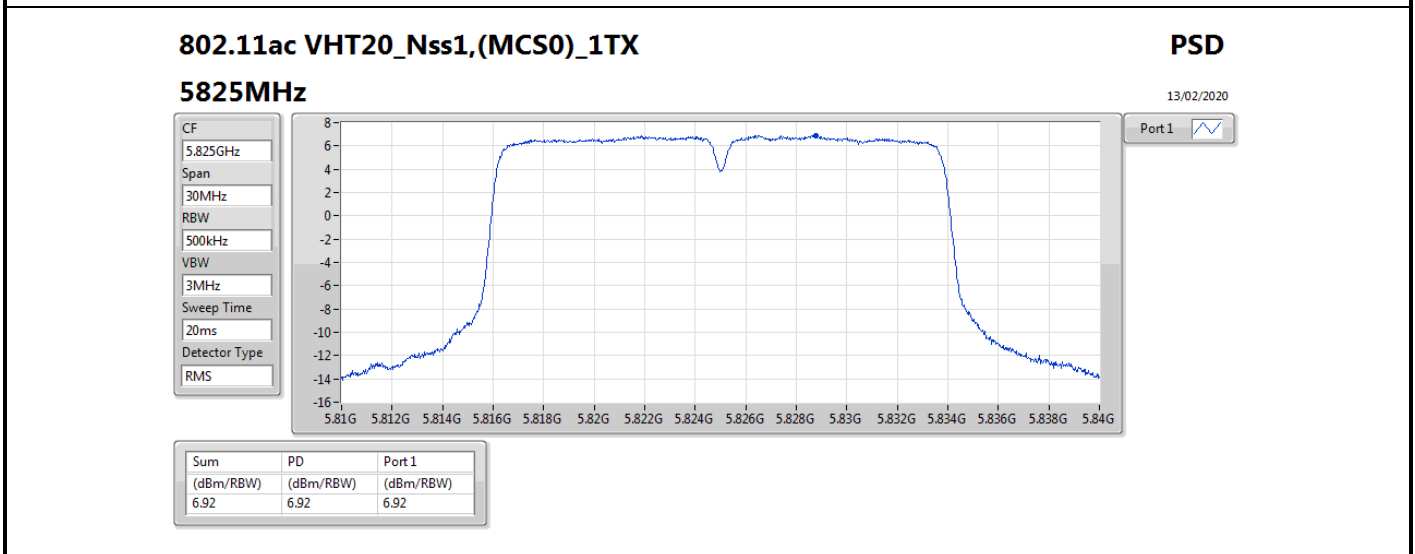
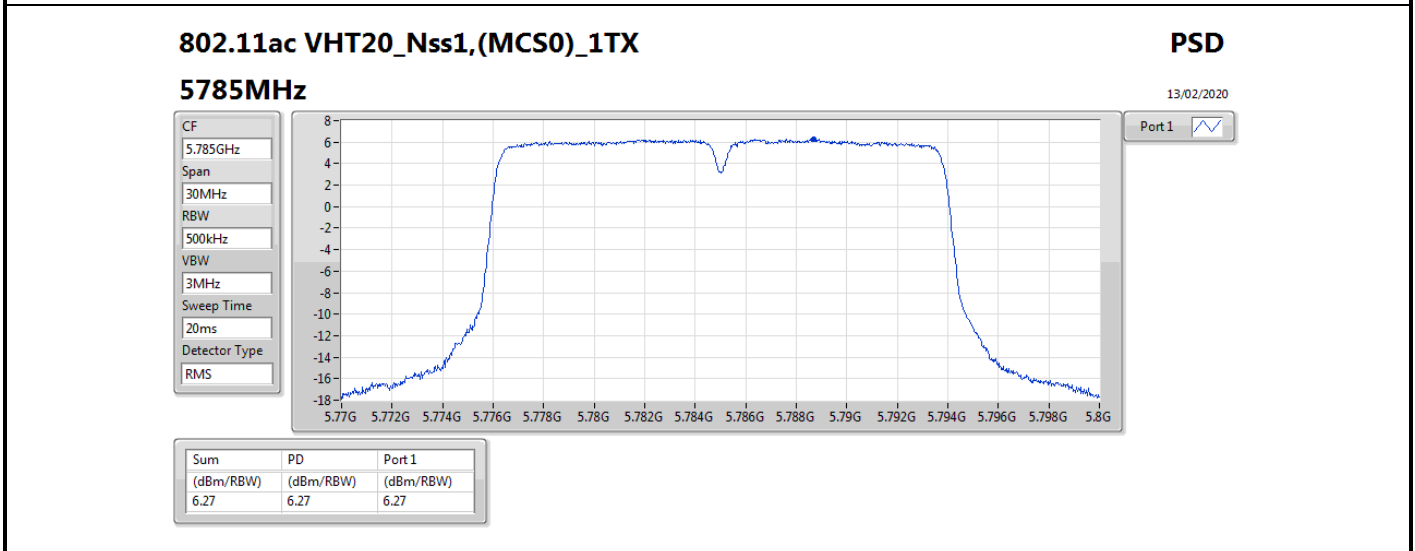
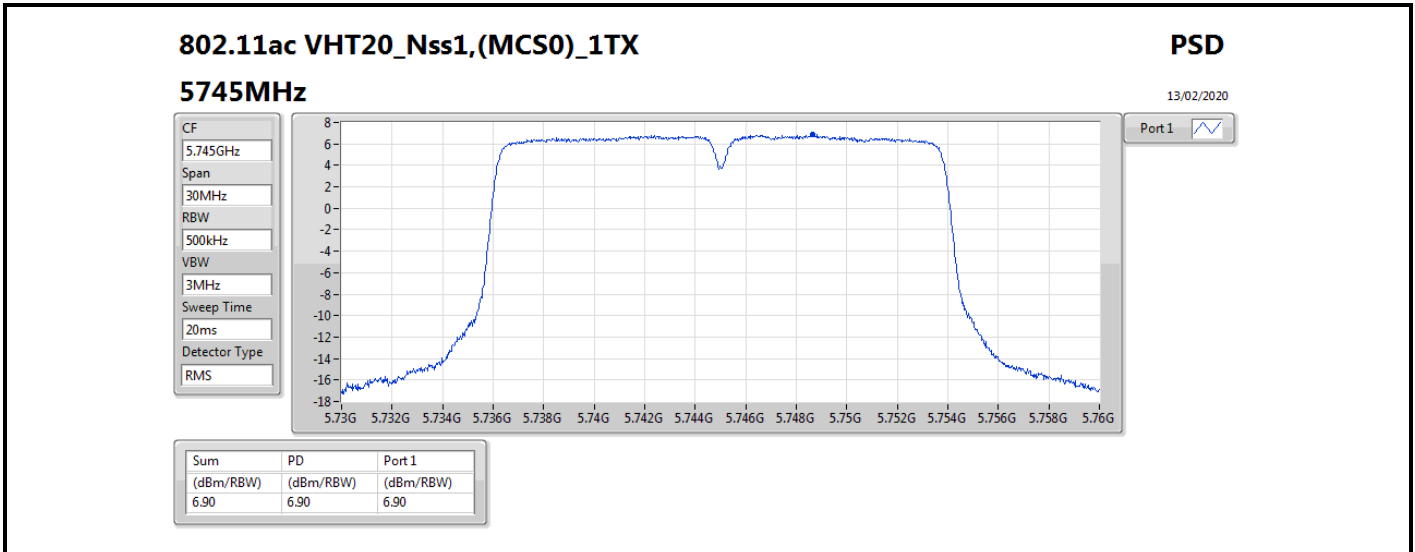
DG = Directional Gain; RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

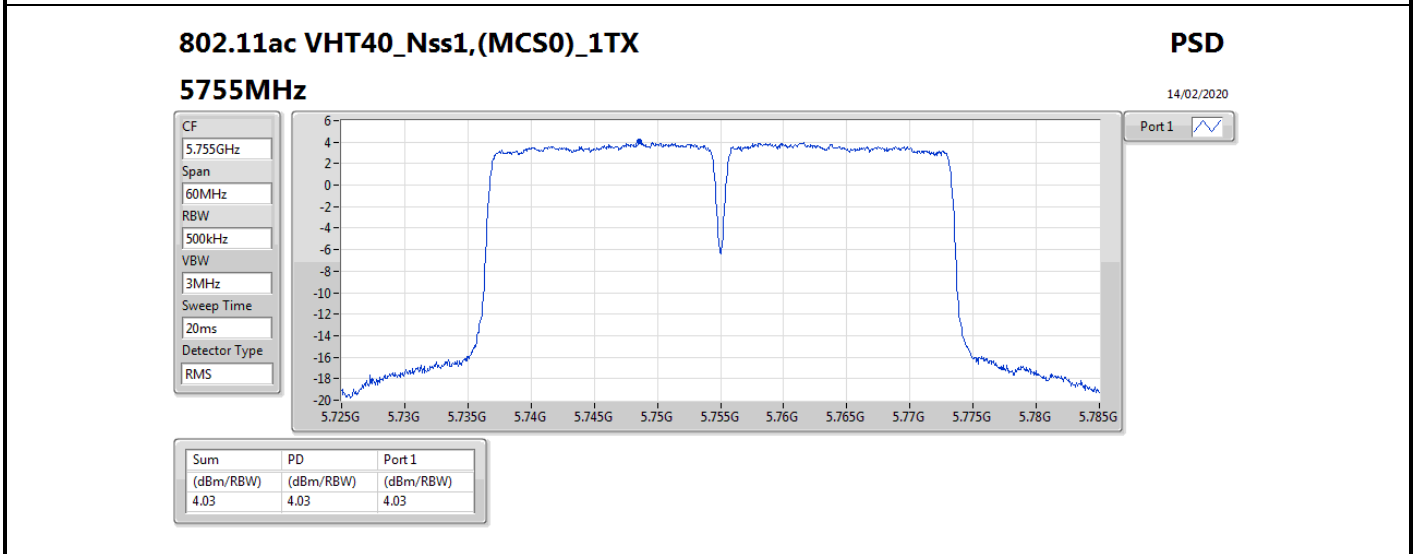
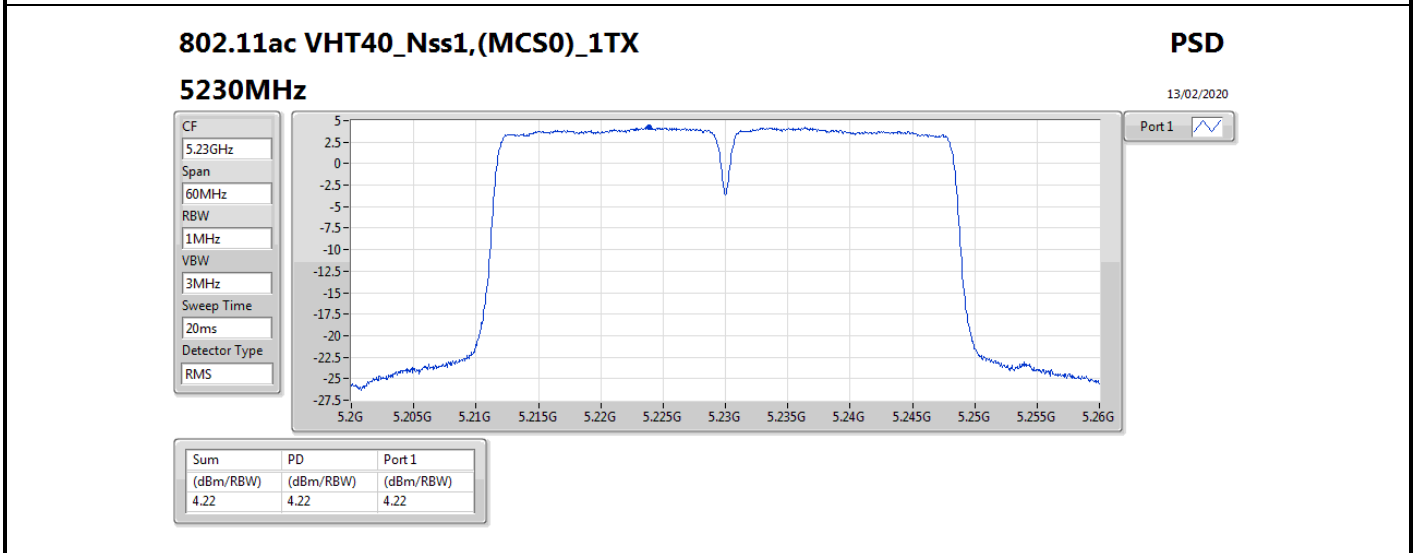
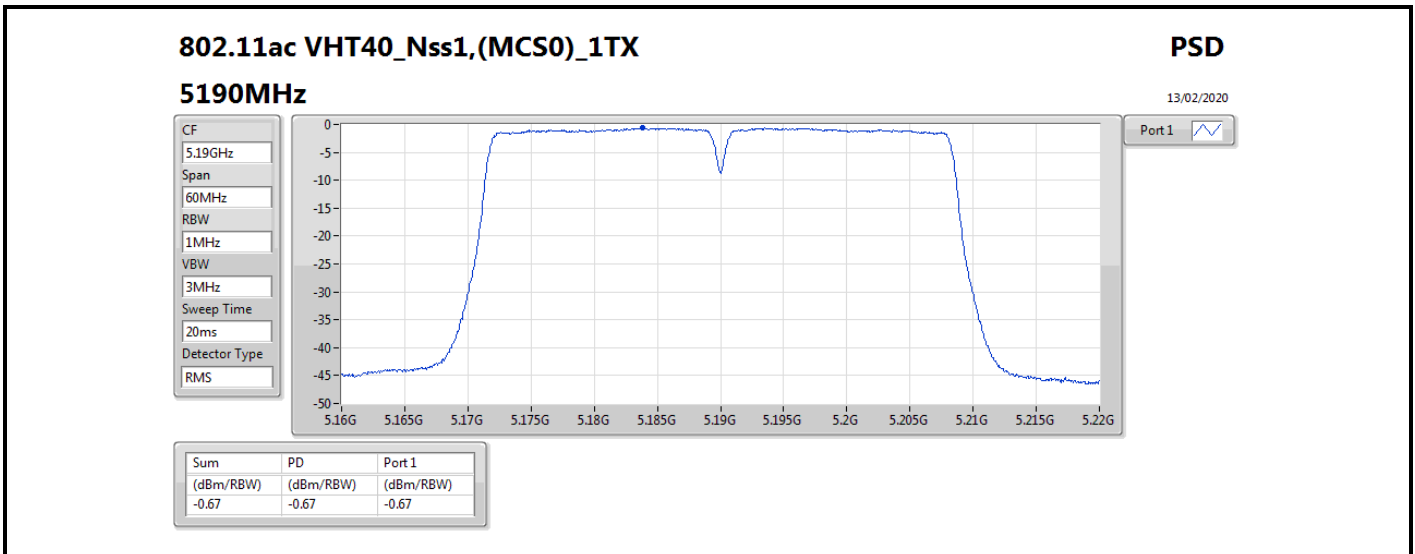
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;













802.11ac VHT40_Nss1,(MCS0)_1TX

PSD

5795MHz

14/02/2020

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.93	3.93	3.93

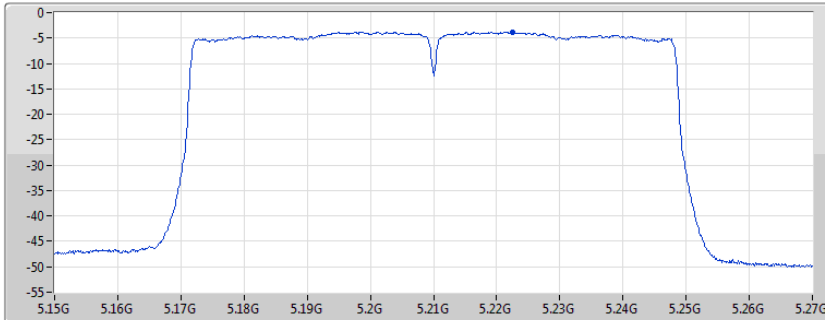
802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5210MHz

14/02/2020

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.76	-3.76	-3.76

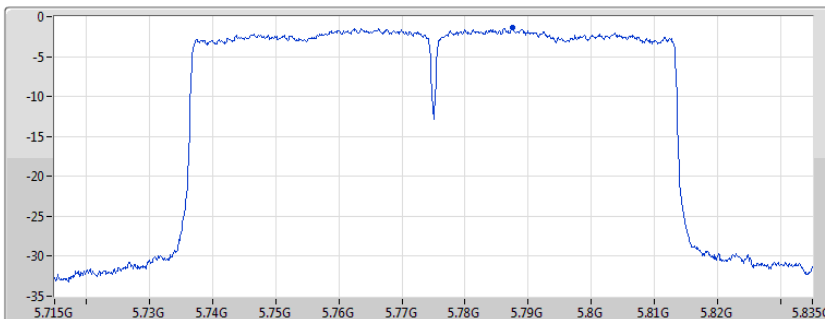
802.11ac VHT80_Nss1,(MCS0)_1TX

PSD

5775MHz

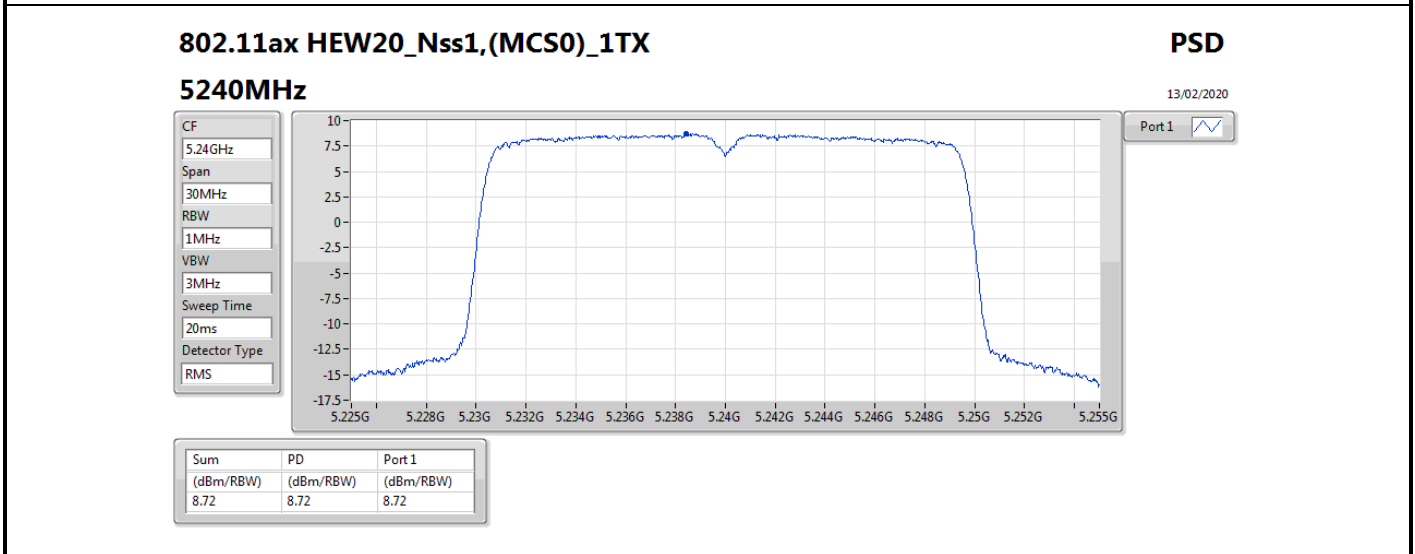
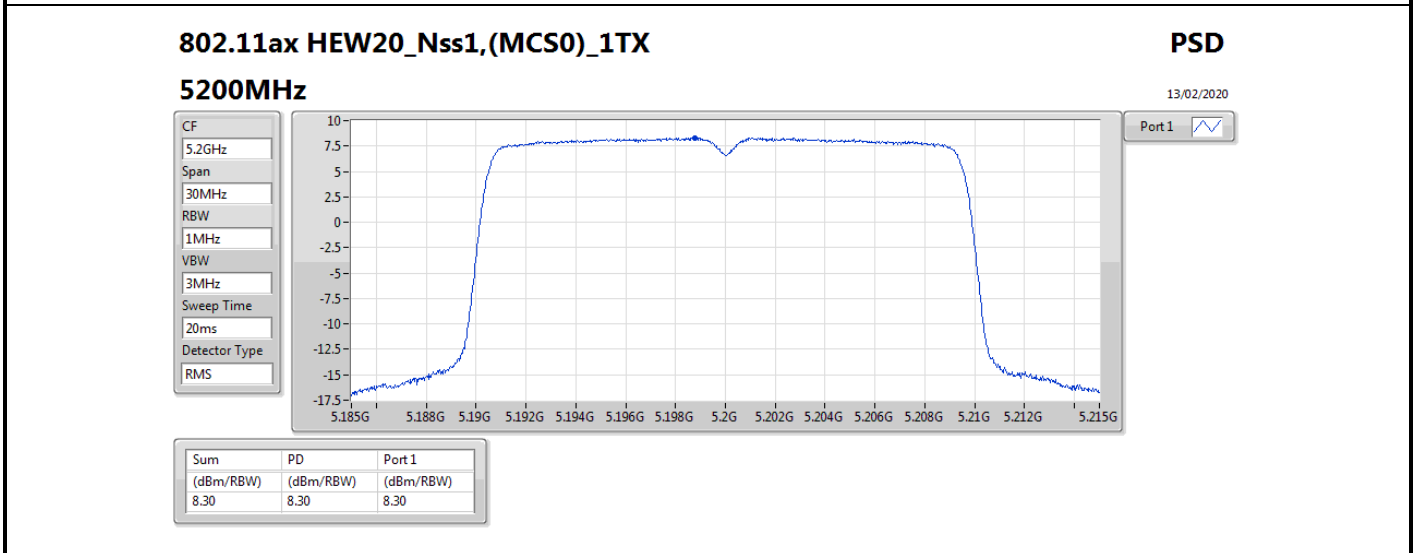
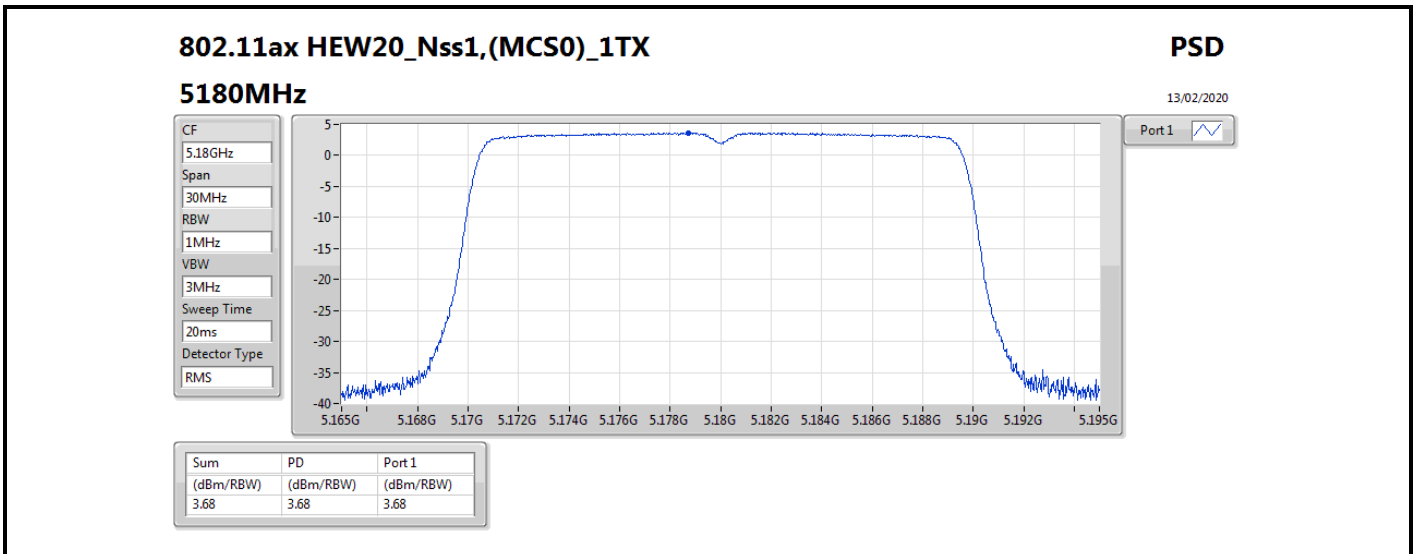
14/02/2020

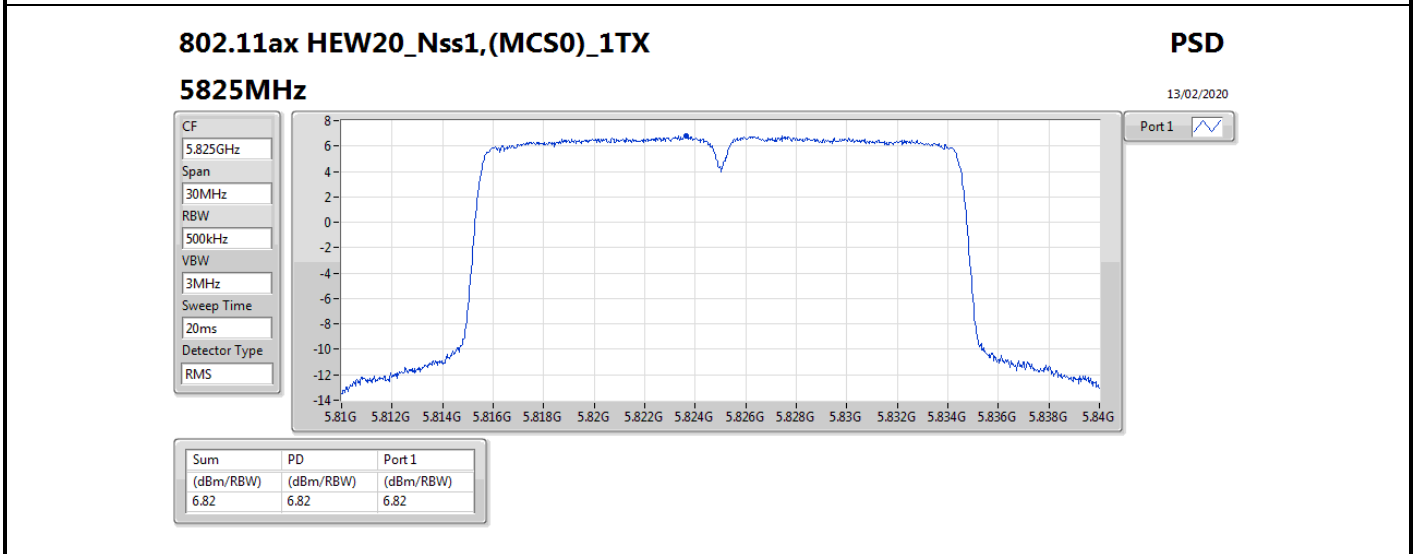
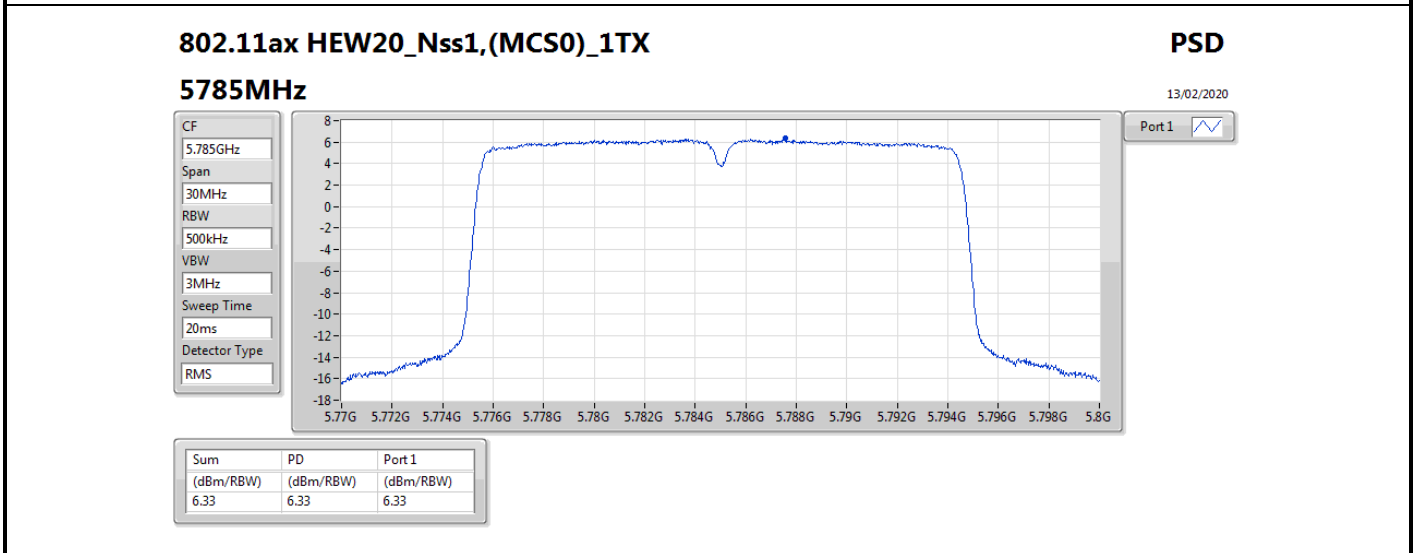
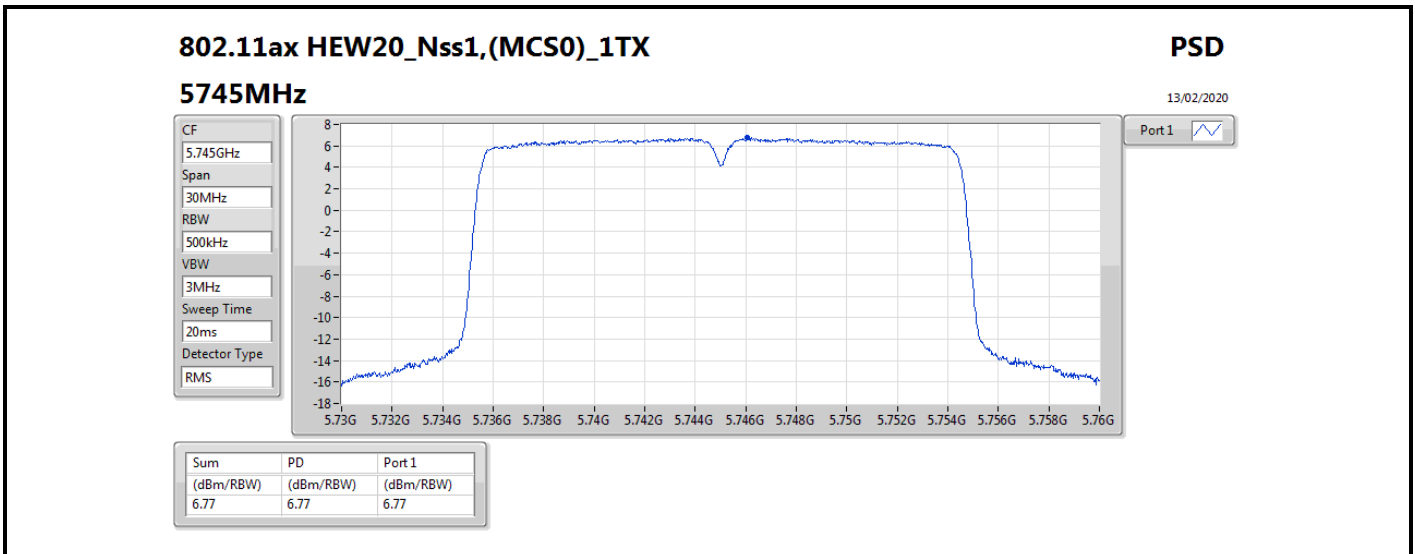
CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS

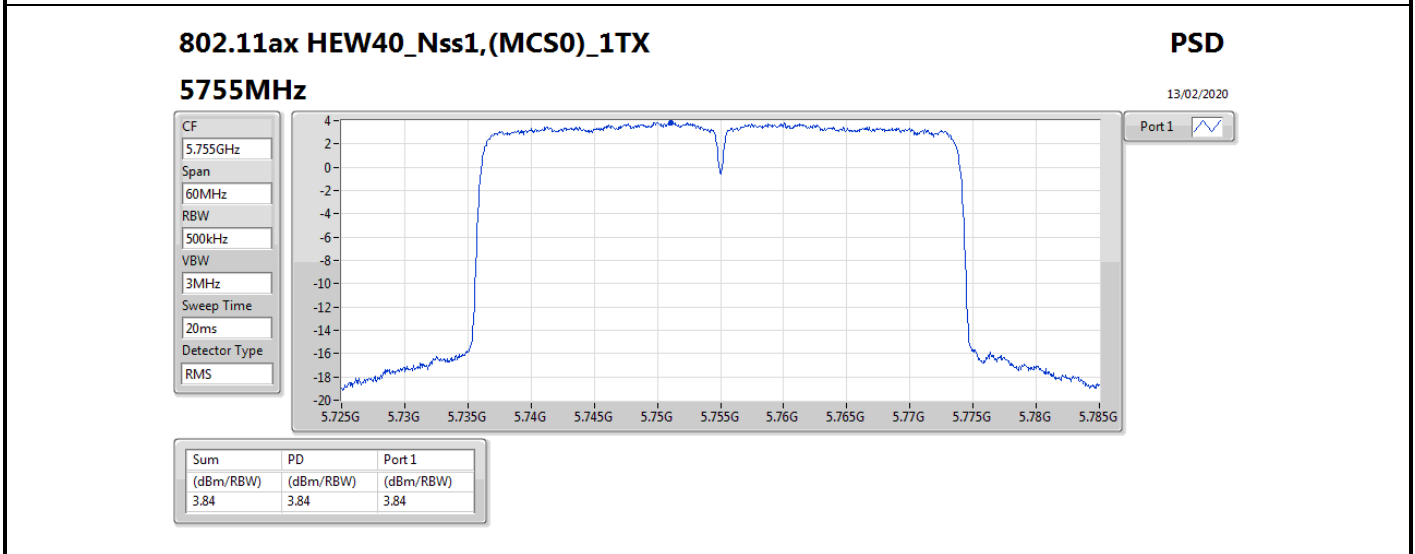
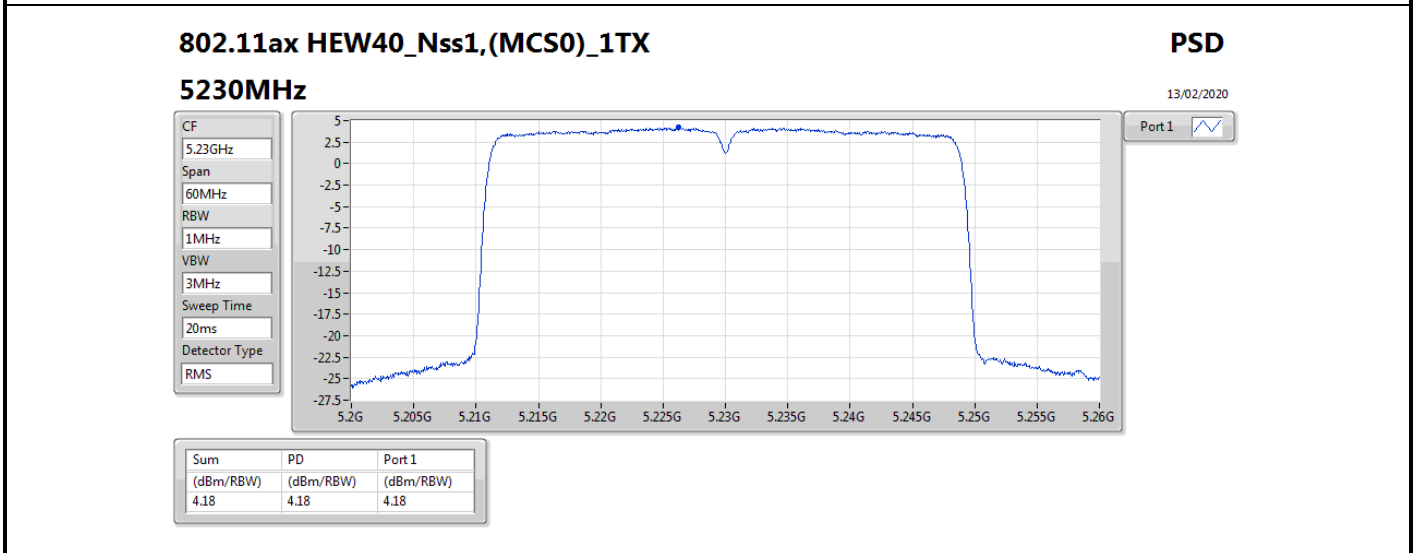
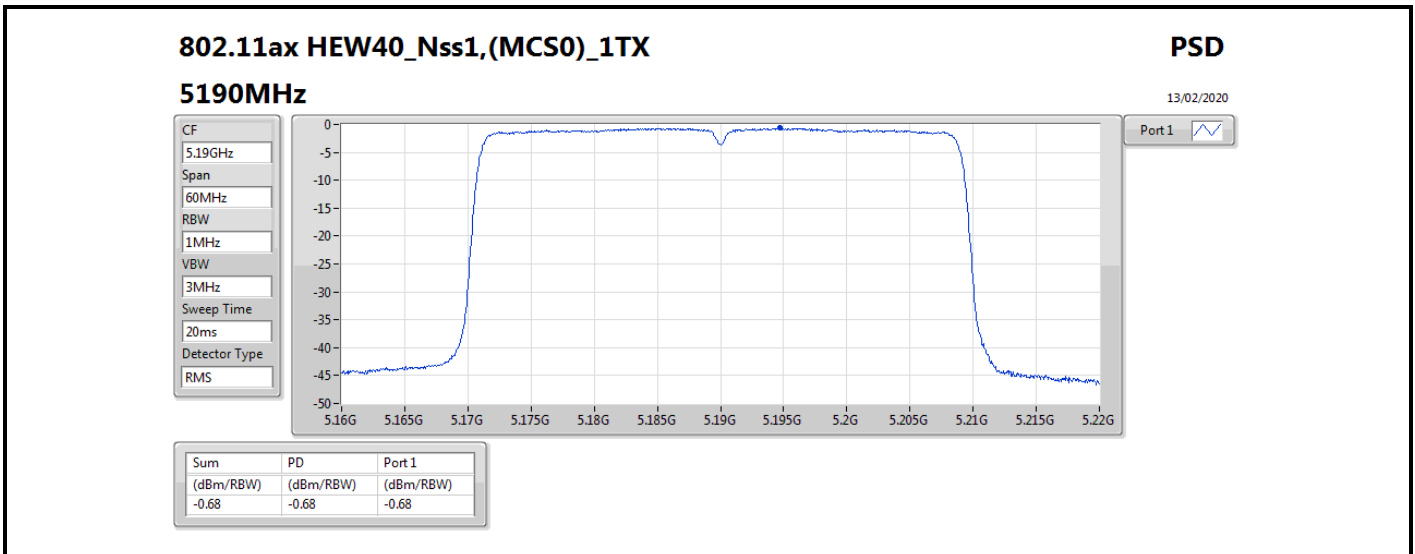


Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.35	-1.35	-1.35







802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5795MHz

13/02/2020

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.89	3.89	3.89

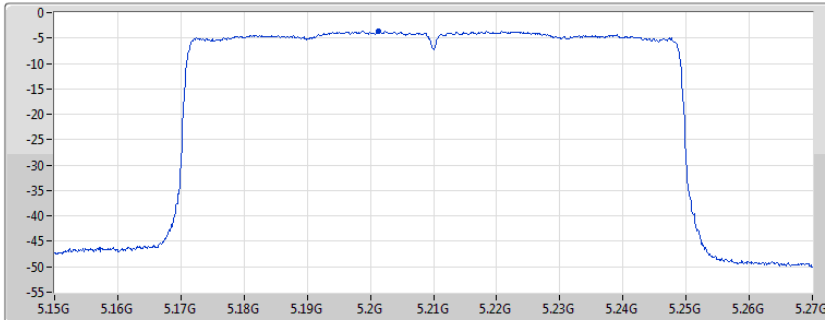
802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

14/02/2020

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.68	-3.68	-3.68

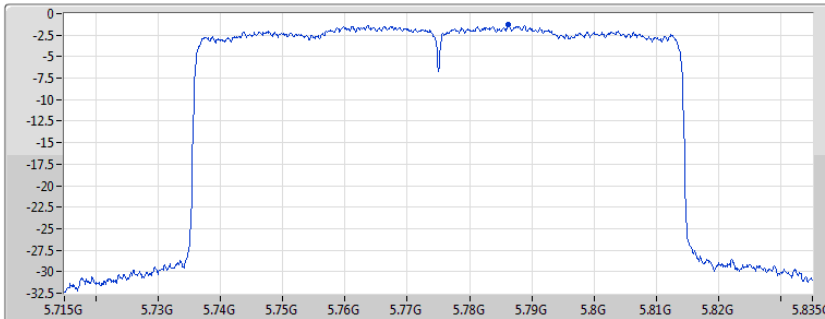
802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5775MHz

14/02/2020

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.33	-1.33	-1.33



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.05	22.76
802.11ac VHT20_Nss2,(MCS0)_2TX	10.94	21.64
802.11ac VHT40_Nss2,(MCS0)_2TX	7.14	17.84
802.11ac VHT80_Nss2,(MCS0)_2TX	-2.27	8.43
802.11ax HEW20_Nss2,(MCS0)_2TX	10.86	21.56
802.11ax HEW40_Nss2,(MCS0)_2TX	7.17	17.87
802.11ax HEW80_Nss2,(MCS0)_2TX	-2.24	8.46
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.68	23.39
802.11ac VHT20_Nss2,(MCS0)_2TX	9.41	20.11
802.11ac VHT40_Nss2,(MCS0)_2TX	6.56	17.26
802.11ac VHT80_Nss2,(MCS0)_2TX	0.97	11.67
802.11ax HEW20_Nss2,(MCS0)_2TX	9.25	19.95
802.11ax HEW40_Nss2,(MCS0)_2TX	6.66	17.36
802.11ax HEW80_Nss2,(MCS0)_2TX	0.85	11.55

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

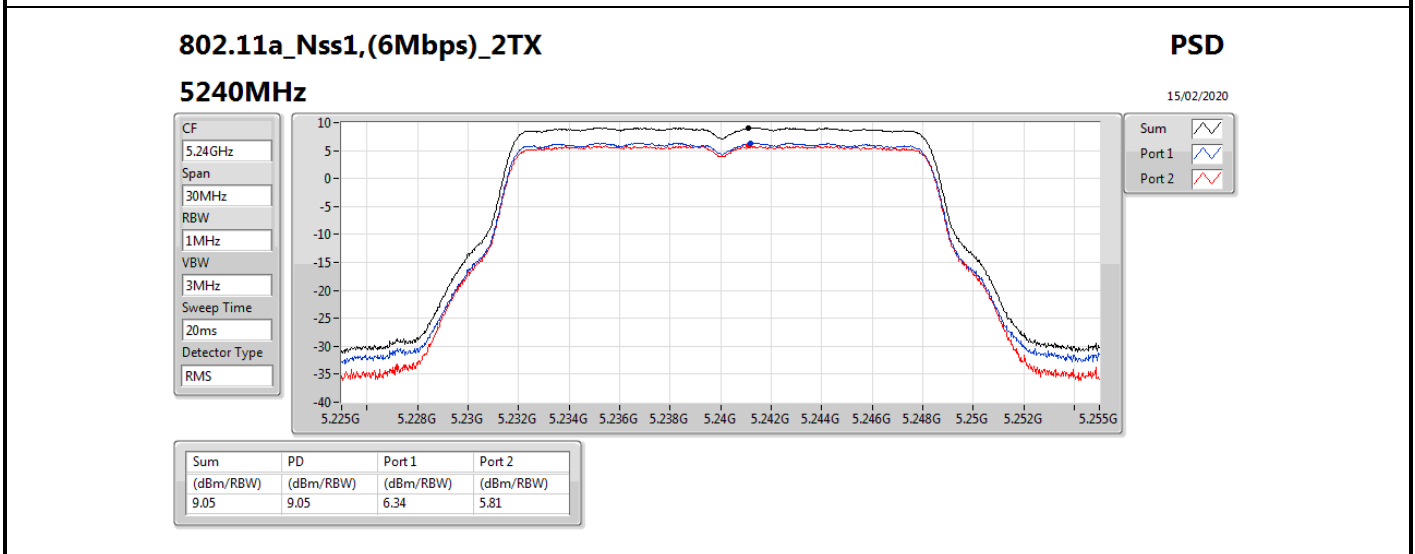
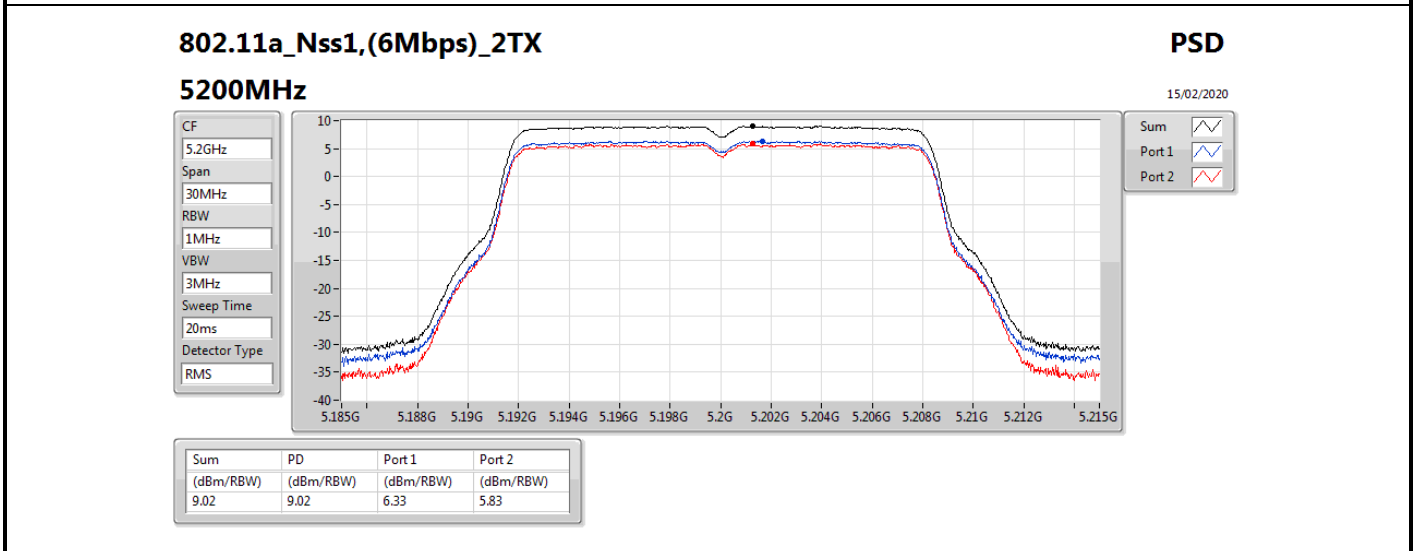
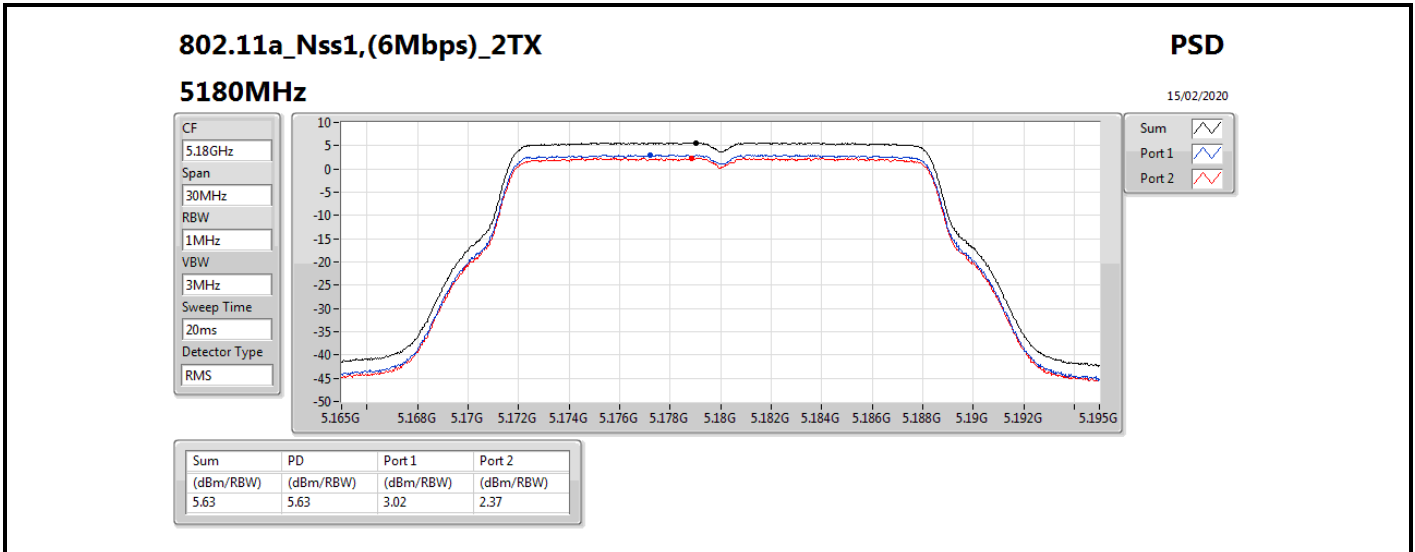


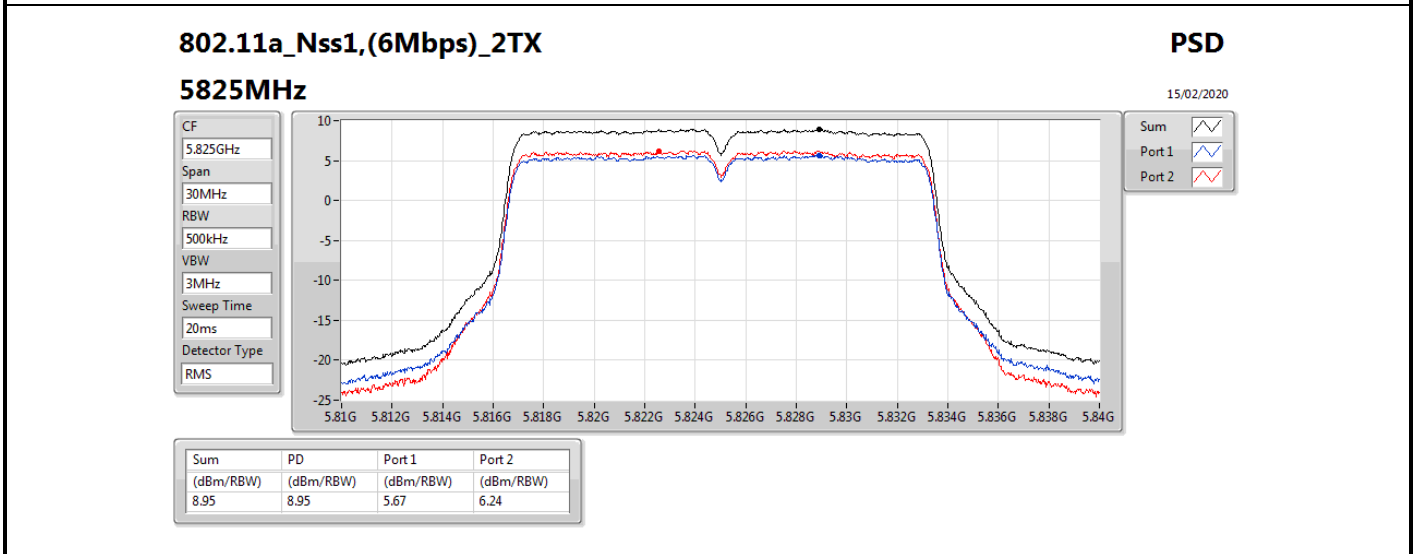
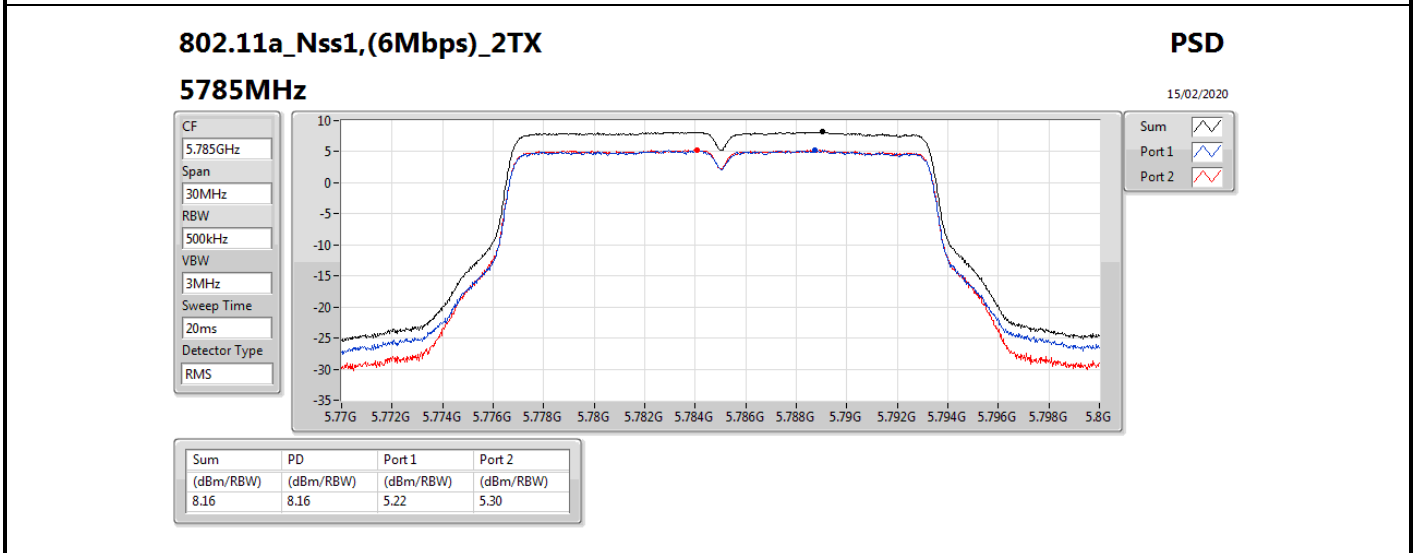
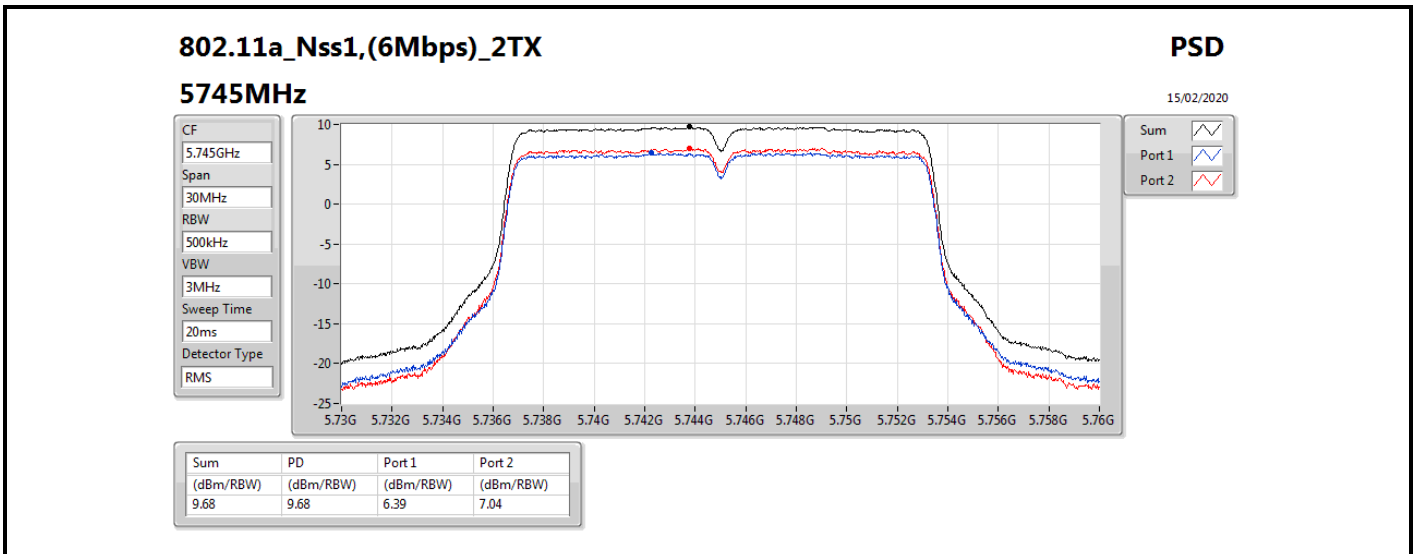
Result

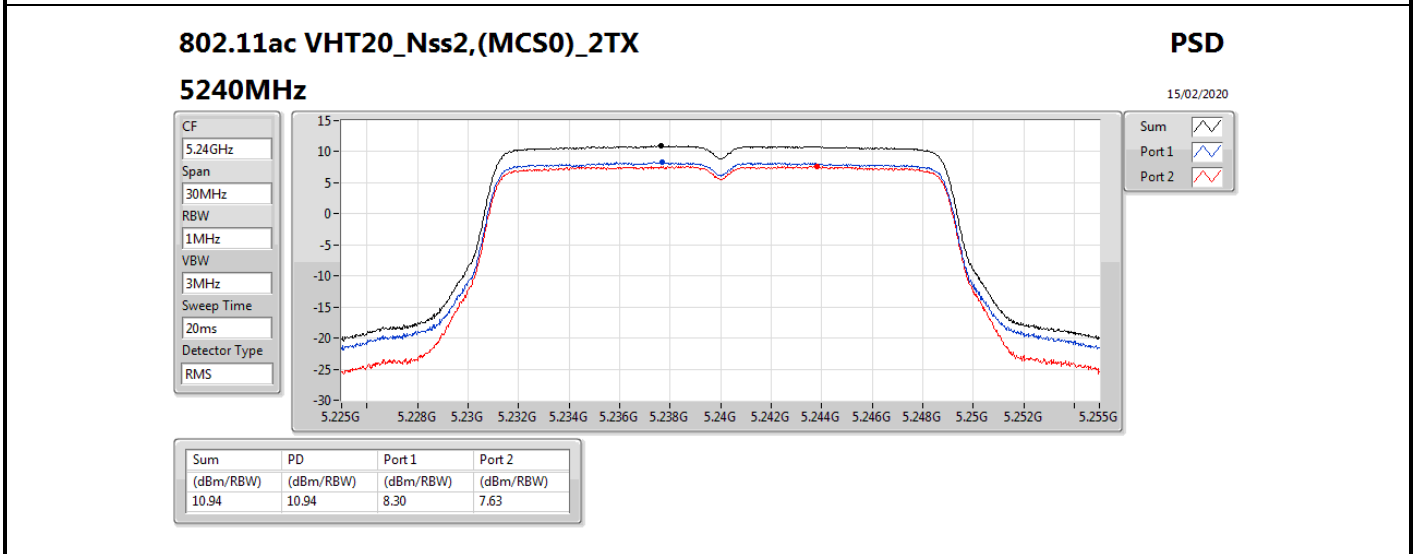
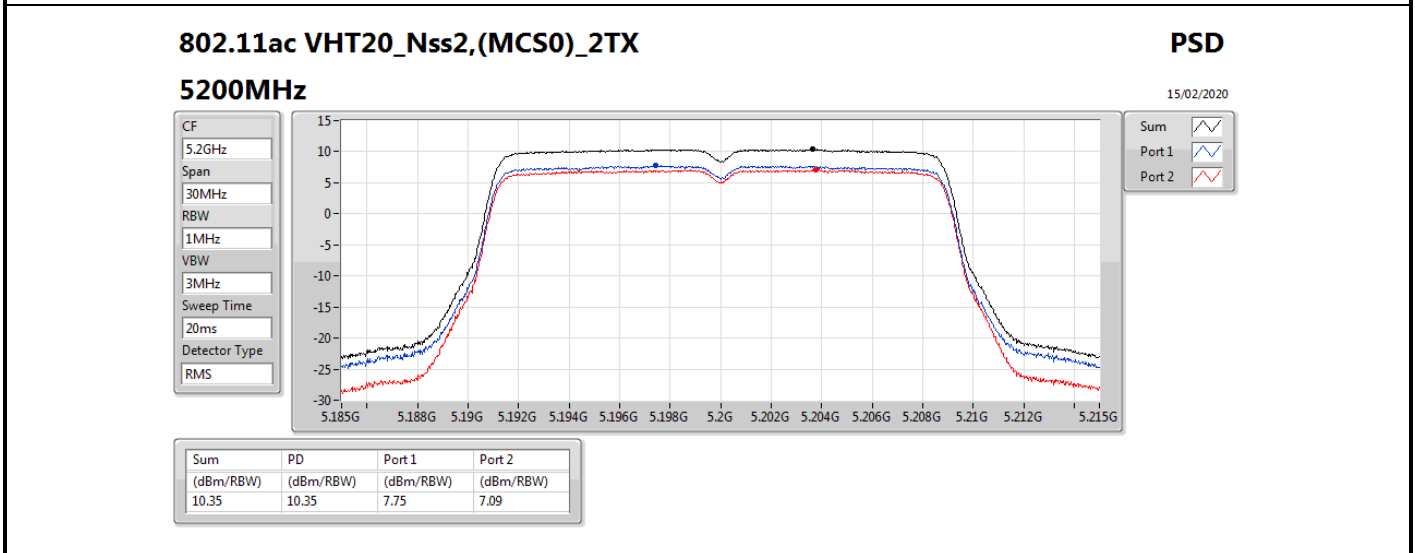
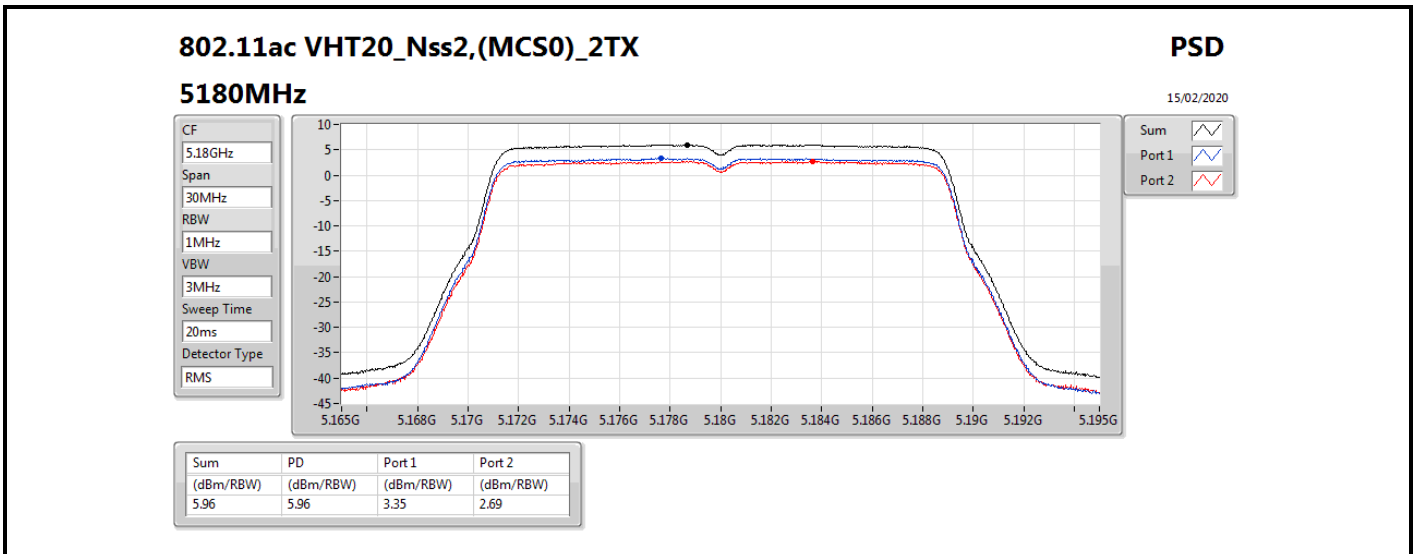
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.71	3.02	2.37	5.63	9.29	19.34	23.00
5200MHz	Pass	13.71	6.33	5.83	9.02	9.29	22.73	23.00
5240MHz	Pass	13.71	6.34	5.81	9.05	9.29	22.76	23.00
5745MHz	Pass	13.71	6.39	7.04	9.68	22.29	23.39	36.00
5785MHz	Pass	13.71	5.22	5.30	8.16	22.29	21.87	36.00
5825MHz	Pass	13.71	5.67	6.24	8.95	22.29	22.66	36.00
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.70	3.35	2.69	5.96	12.30	16.66	23.00
5200MHz	Pass	10.70	7.75	7.09	10.35	12.30	21.05	23.00
5240MHz	Pass	10.70	8.30	7.63	10.94	12.30	21.64	23.00
5745MHz	Pass	10.70	6.18	6.75	9.41	25.30	20.11	36.00
5785MHz	Pass	10.70	6.17	6.57	9.24	25.30	19.94	36.00
5825MHz	Pass	10.70	6.09	6.51	9.20	25.30	19.90	36.00
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-0.80	-1.73	1.66	12.30	12.36	23.00
5230MHz	Pass	10.70	4.61	3.87	7.14	12.30	17.84	23.00
5755MHz	Pass	10.70	3.47	3.53	6.41	25.30	17.11	36.00
5795MHz	Pass	10.70	3.62	3.68	6.56	25.30	17.26	36.00
802.11ac VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-4.94	-5.53	-2.27	12.30	8.43	23.00
5775MHz	Pass	10.70	-1.80	-1.83	0.97	25.30	11.67	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.70	3.60	2.82	6.15	12.30	16.85	23.00
5200MHz	Pass	10.70	7.81	7.15	10.42	12.30	21.12	23.00
5240MHz	Pass	10.70	8.12	7.58	10.86	12.30	21.56	23.00
5745MHz	Pass	10.70	6.02	6.60	9.25	25.30	19.95	36.00
5785MHz	Pass	10.70	5.99	6.29	9.05	25.30	19.75	36.00
5825MHz	Pass	10.70	5.85	6.40	9.08	25.30	19.78	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.70	-0.87	-1.61	1.73	12.30	12.43	23.00
5230MHz	Pass	10.70	4.54	3.84	7.17	12.30	17.87	23.00
5755MHz	Pass	10.70	3.15	3.69	6.39	25.30	17.09	36.00
5795MHz	Pass	10.70	3.59	3.91	6.66	25.30	17.36	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.70	-4.83	-5.51	-2.24	12.30	8.46	23.00
5775MHz	Pass	10.70	-2.10	-2.16	0.85	25.30	11.55	36.00

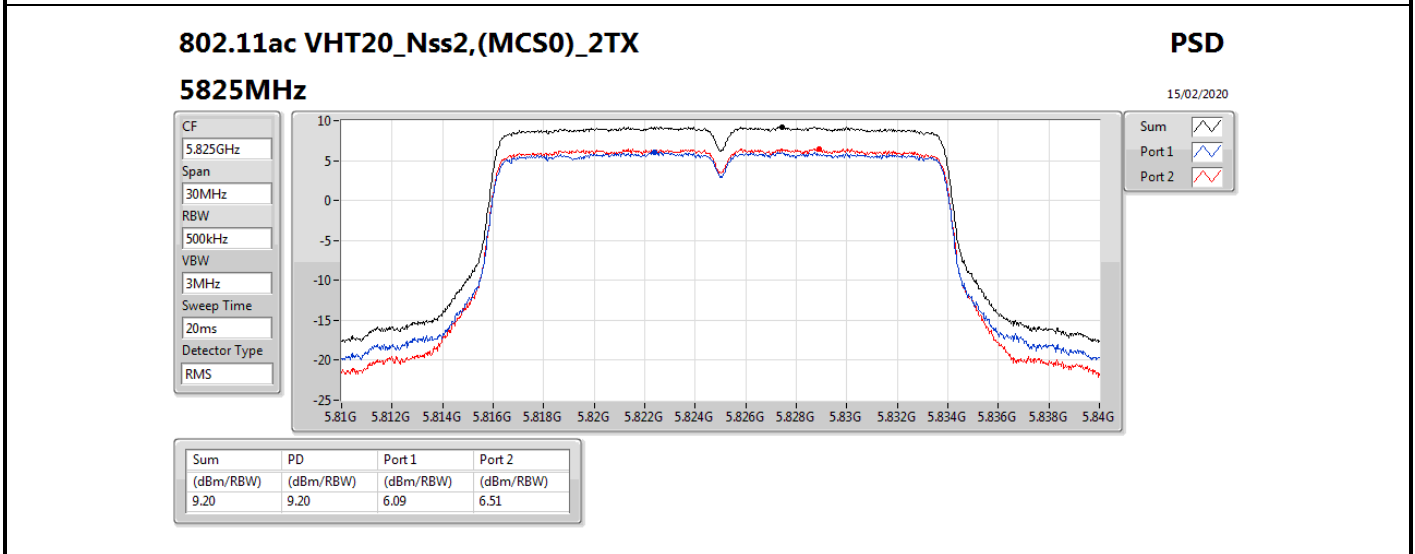
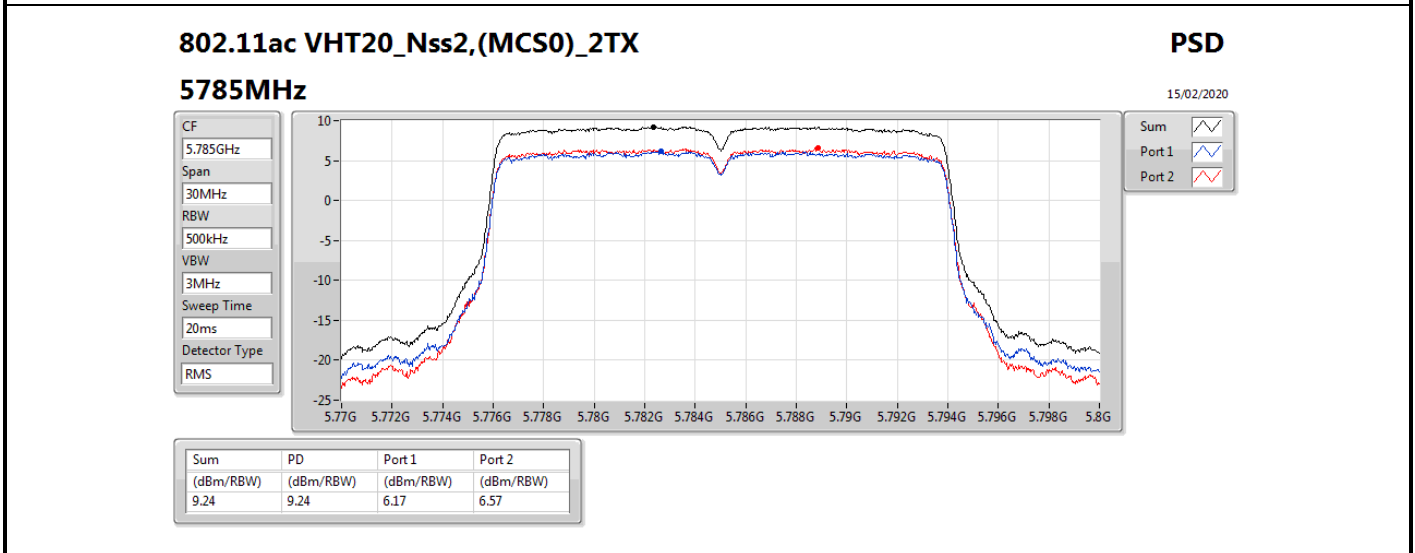
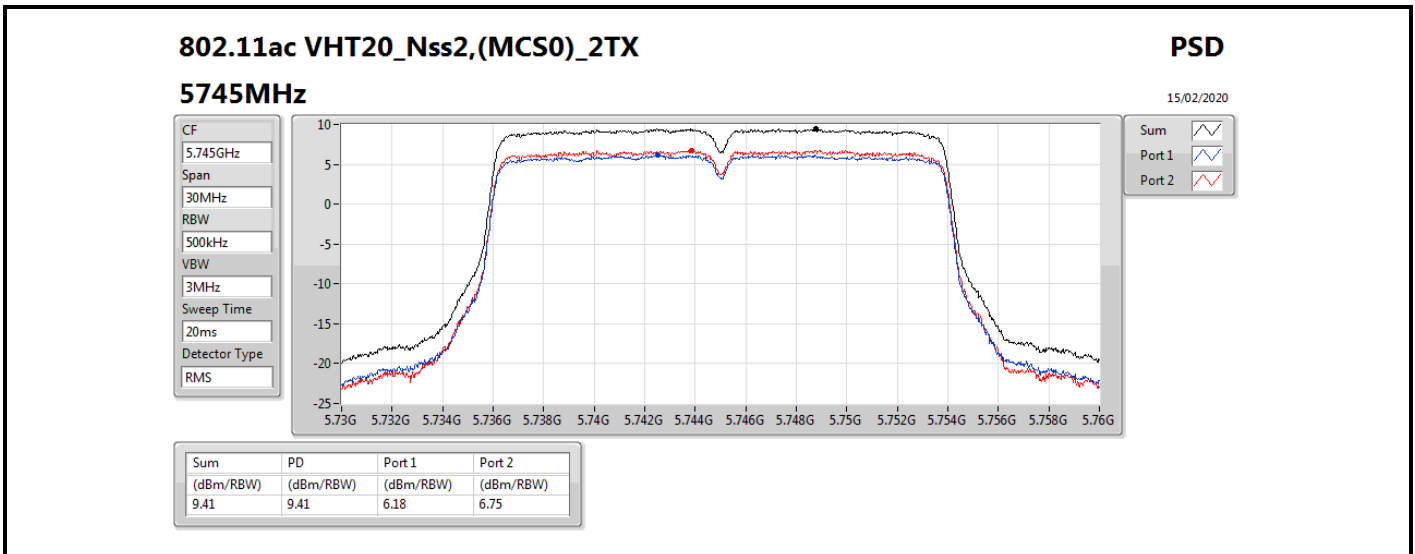
DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

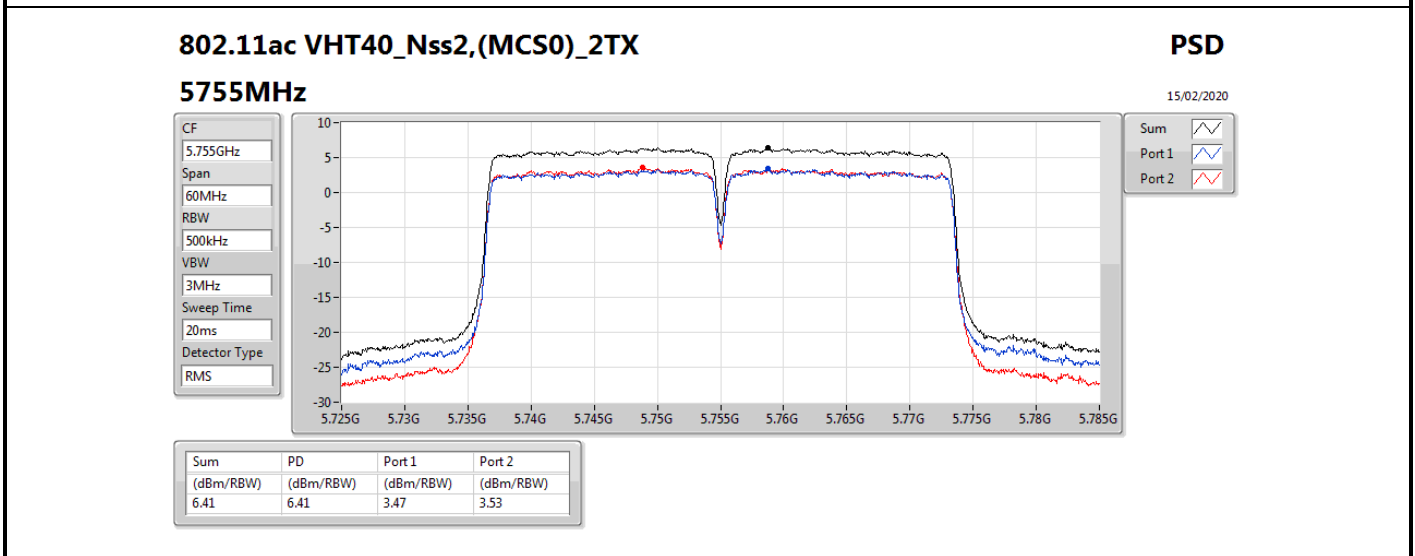
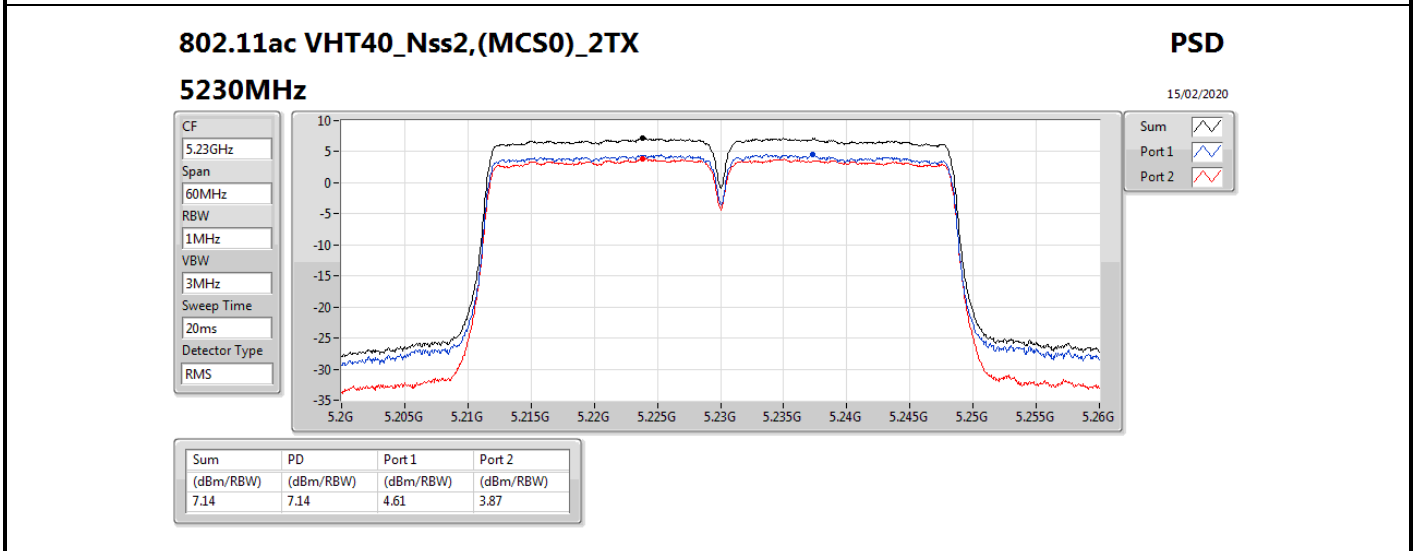
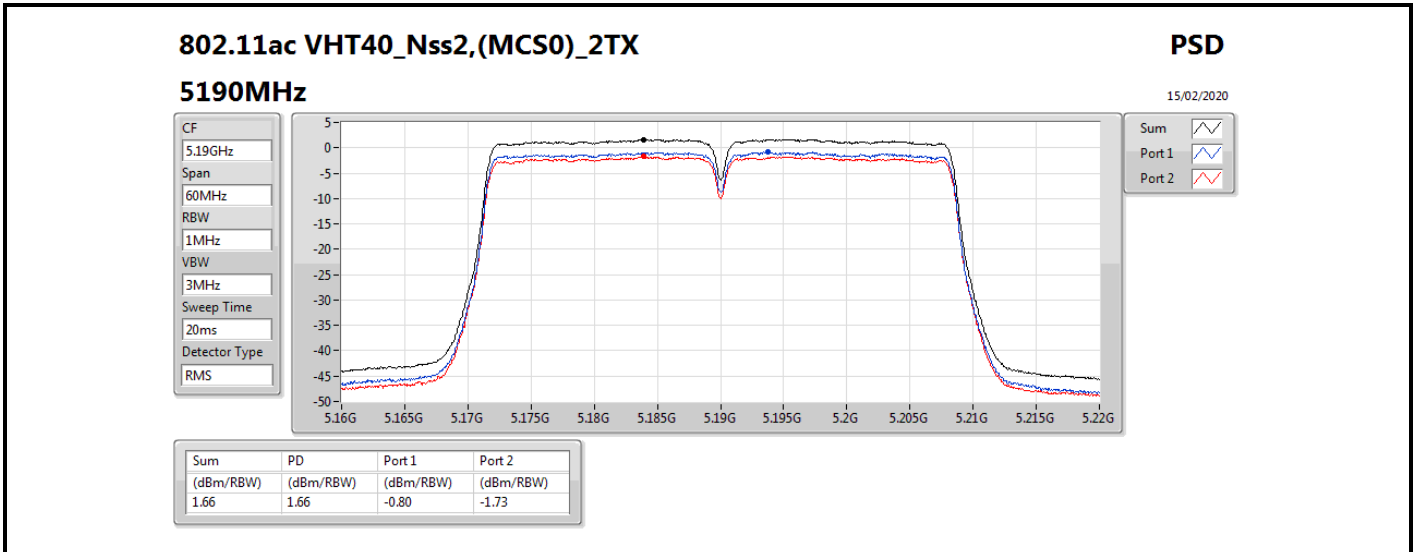
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;











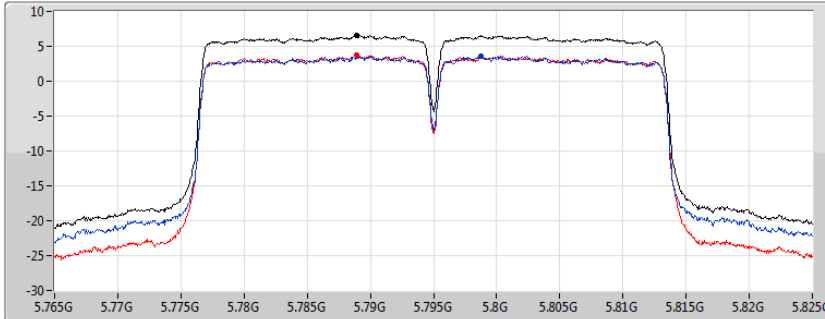
802.11ac VHT40_Nss2,(MCS0)_2TX

PSD

5795MHz

15/02/2020

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
 Port 1
 Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.56	6.56	3.62	3.68

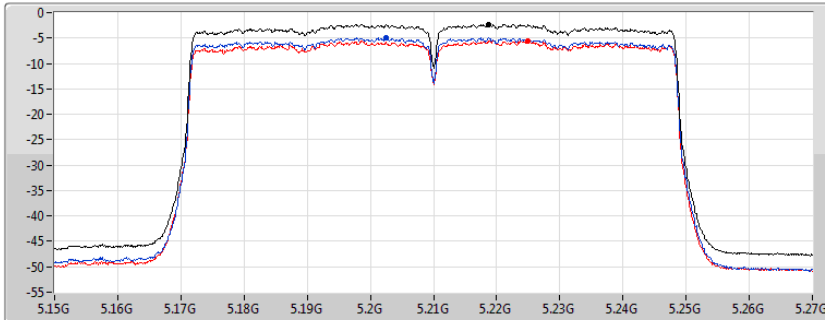
802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5210MHz

15/02/2020

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
 Port 1
 Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.27	-2.27	-4.94	-5.53

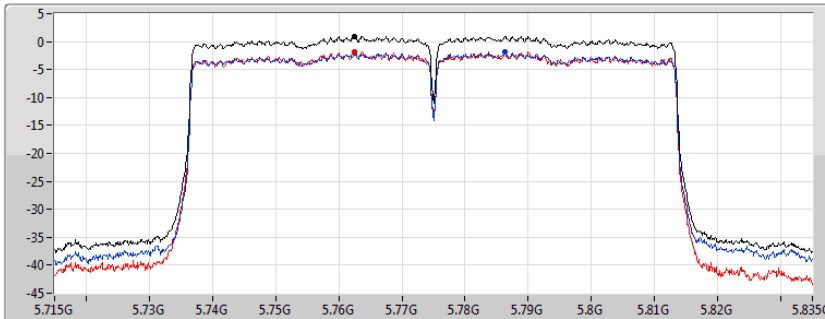
802.11ac VHT80_Nss2,(MCS0)_2TX

PSD

5775MHz

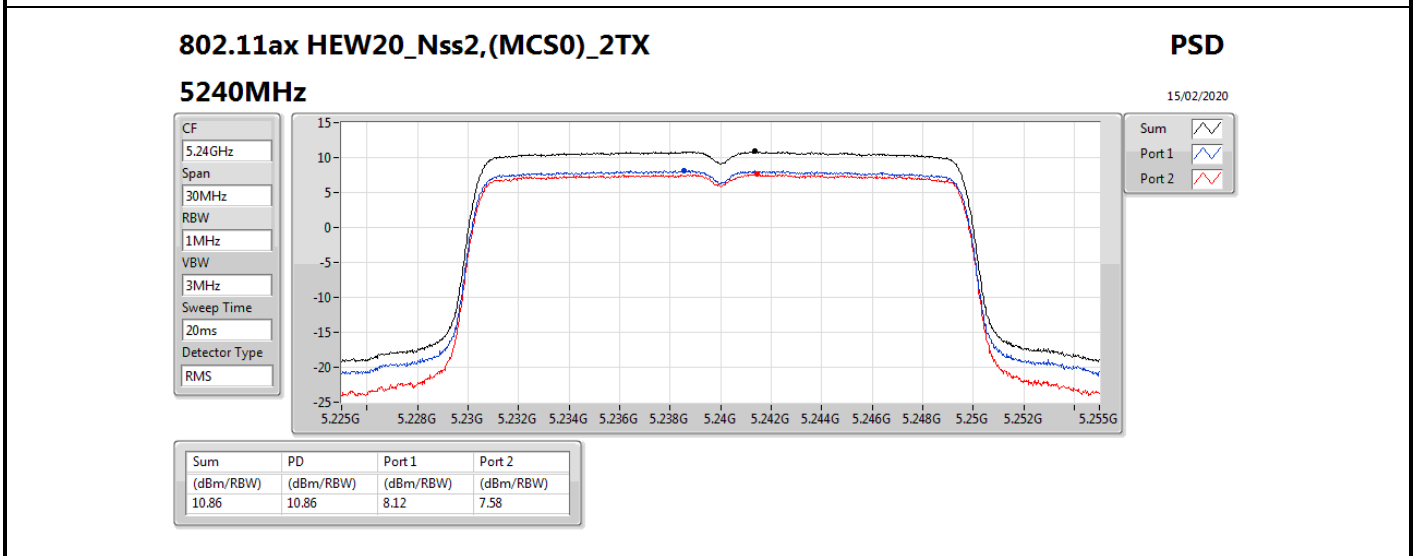
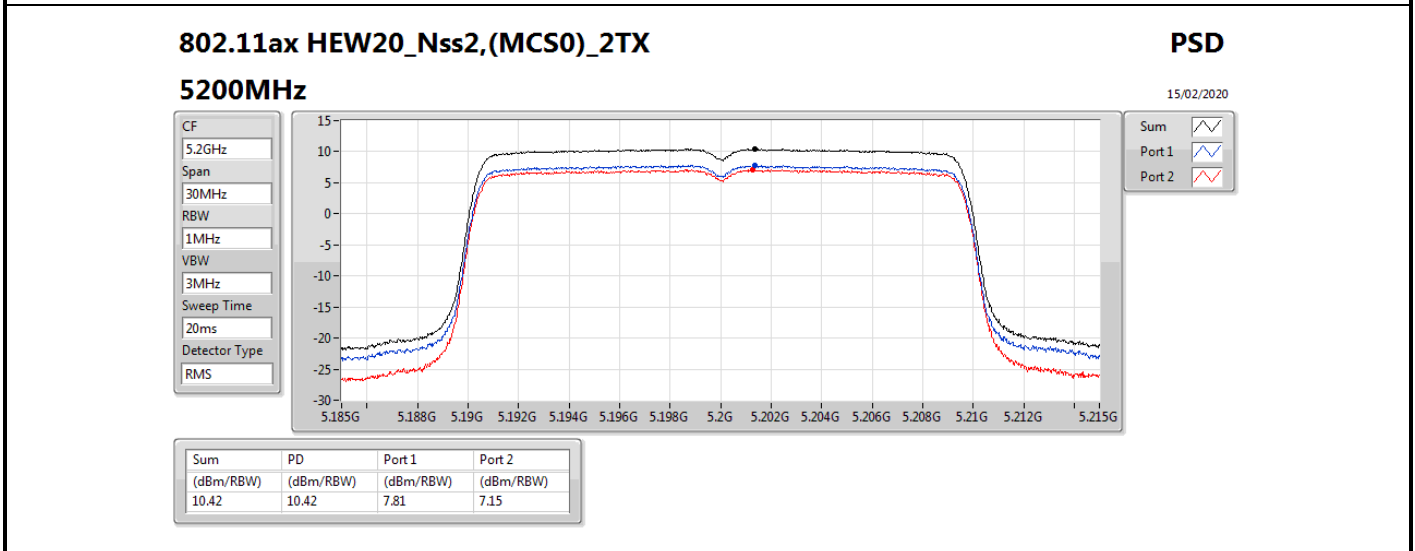
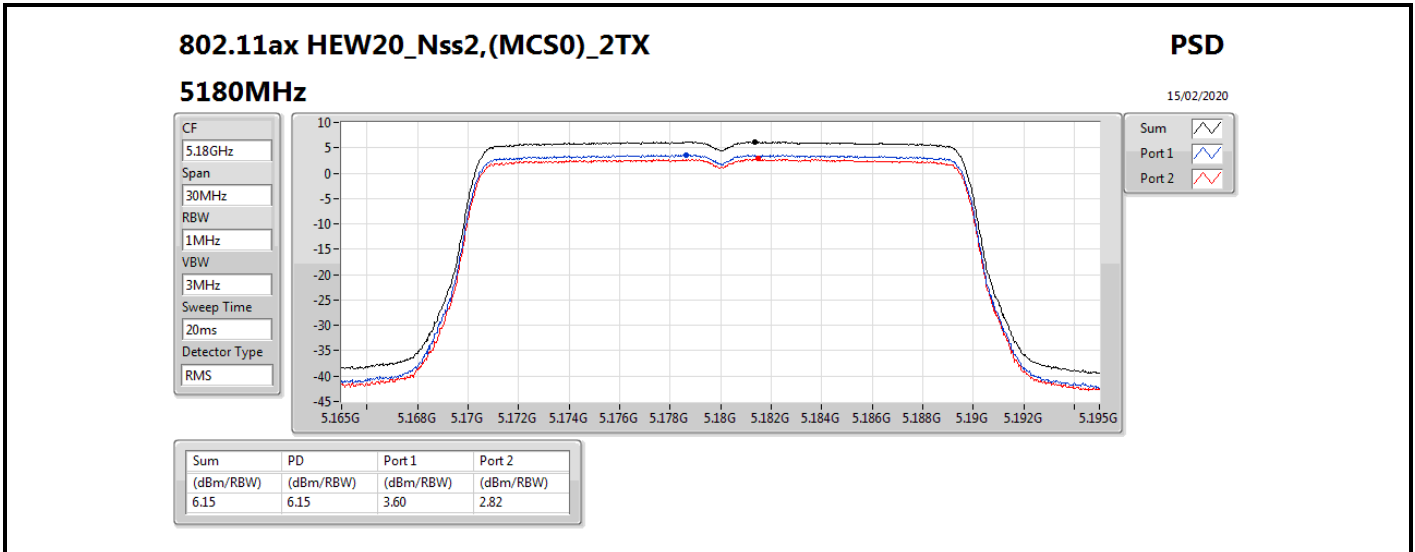
15/02/2020

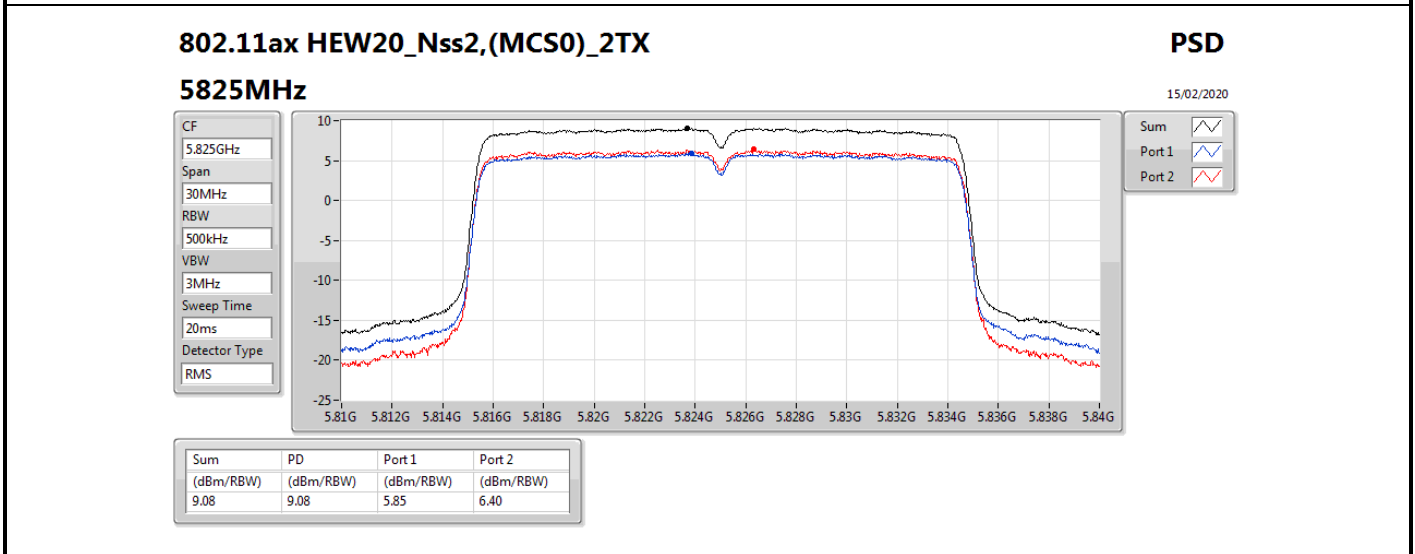
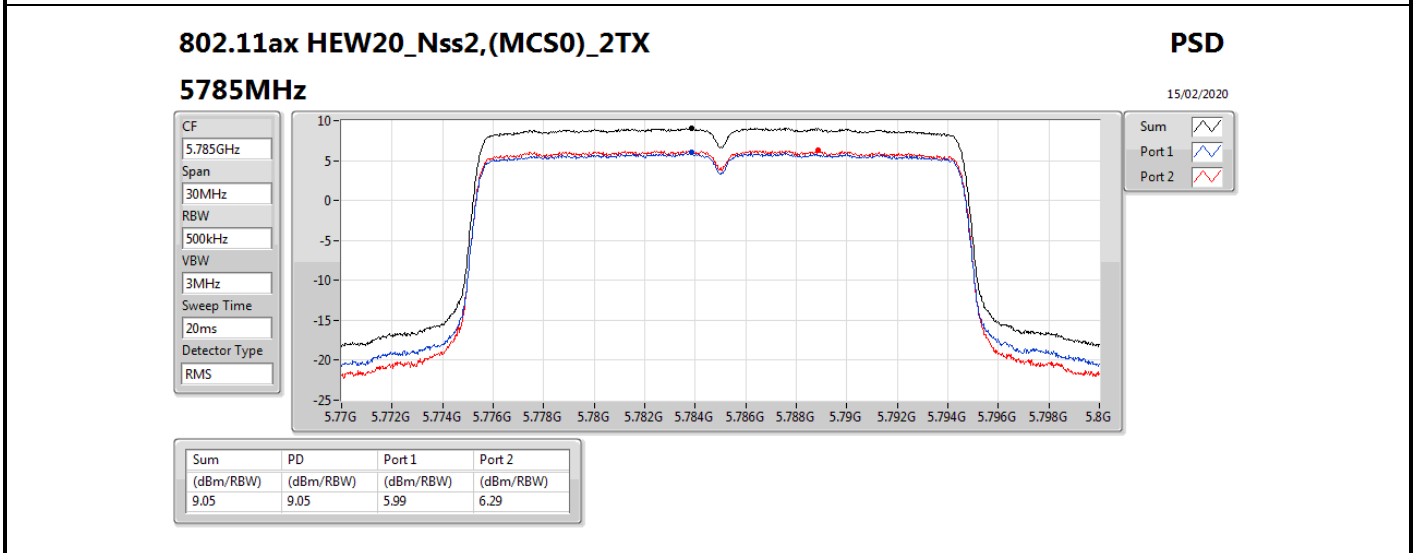
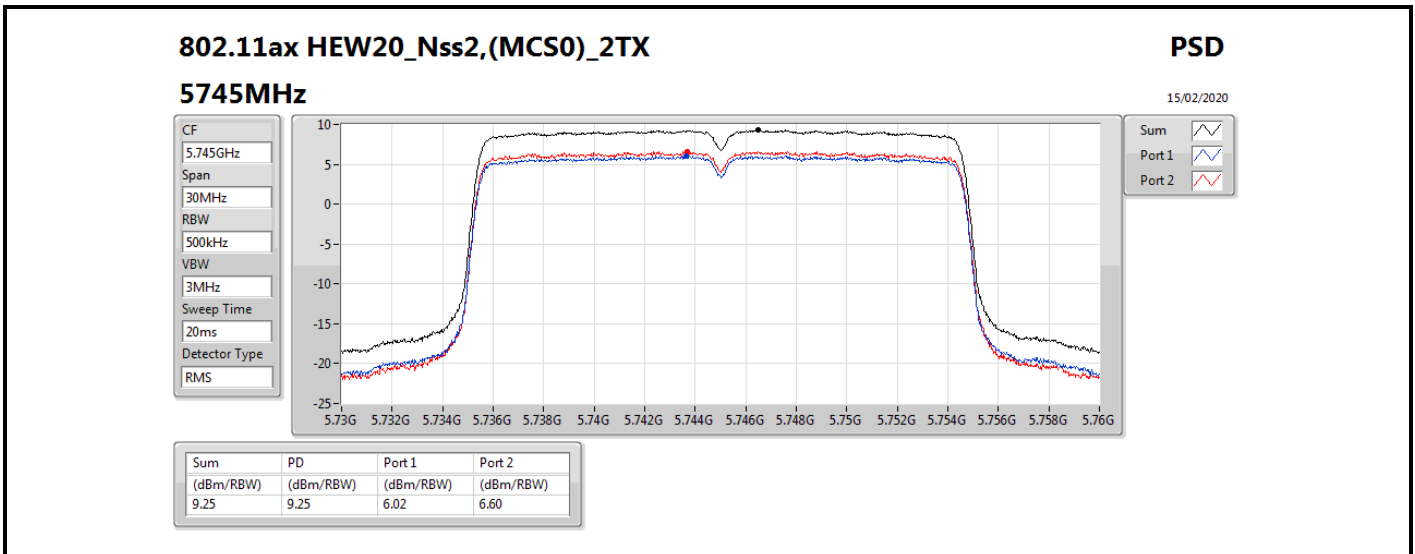
CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
 Port 1
 Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.97	0.97	-1.80	-1.83



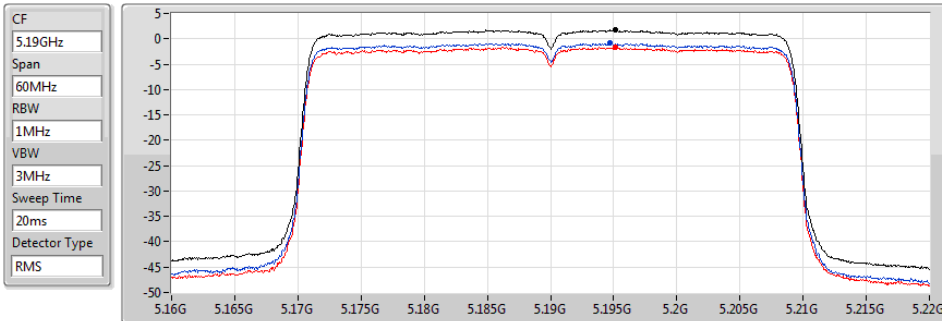


802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5190MHz

15/02/2020



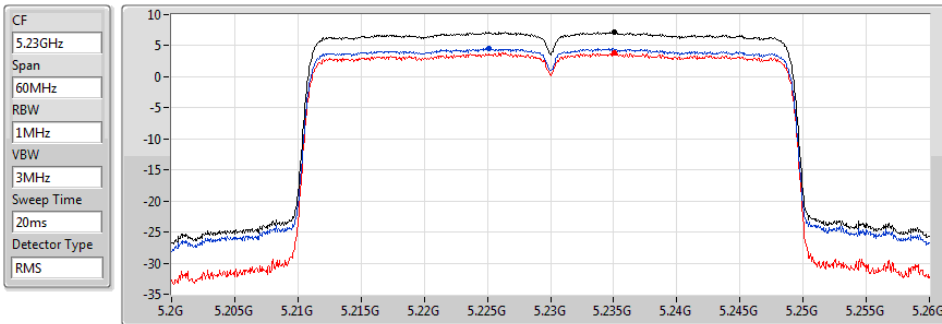
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.73	1.73	-0.87	-1.61

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

15/02/2020



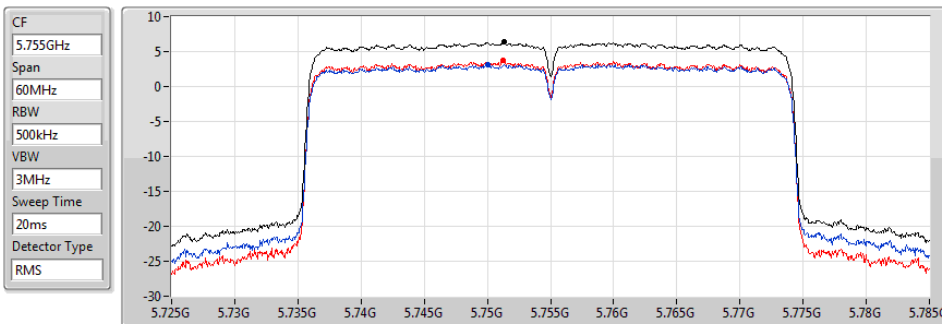
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.17	7.17	4.54	3.84

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

15/02/2020



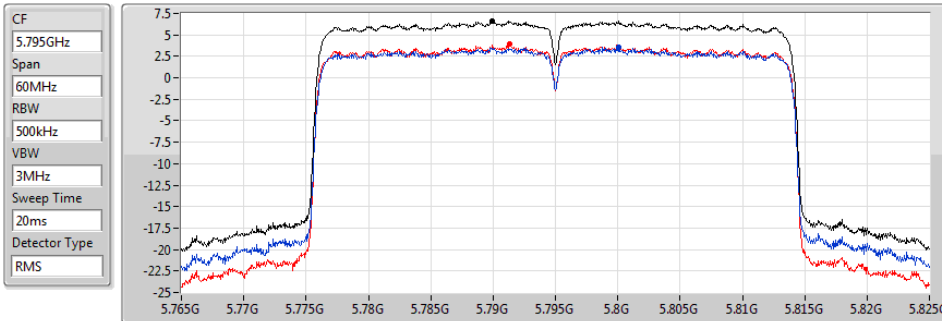
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.39	6.39	3.15	3.69

802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5795MHz

15/02/2020



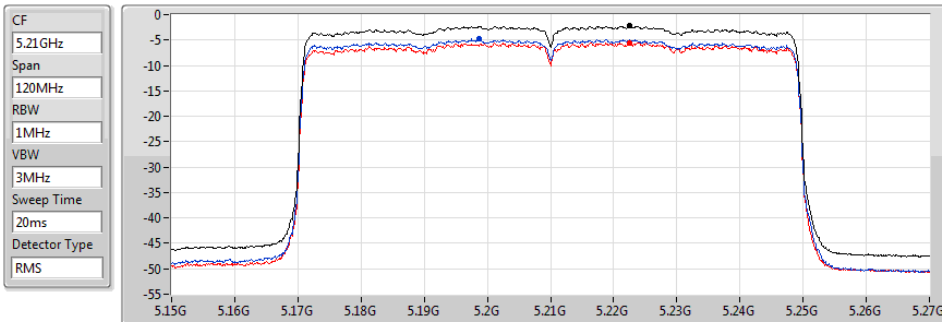
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.66	6.66	3.59	3.91

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

15/02/2020



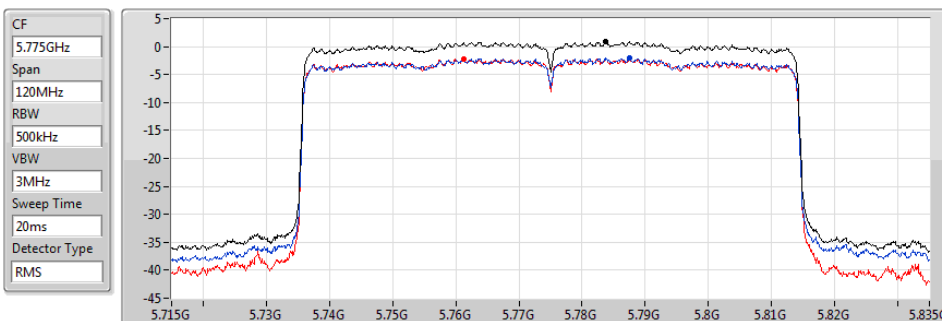
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.24	-2.24	-4.83	-5.51

802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

15/02/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.85	0.85	-2.10	-2.16



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	13.50	21.46
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	9.08	17.04
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	0.90	8.86
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	13.40	21.36
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	9.34	17.30
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-1.64	6.32
5.725-5.85GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	6.94	14.90
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	8.24	16.20
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	5.02	12.98
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	6.76	14.72
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	8.04	16.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	5.05	13.01

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

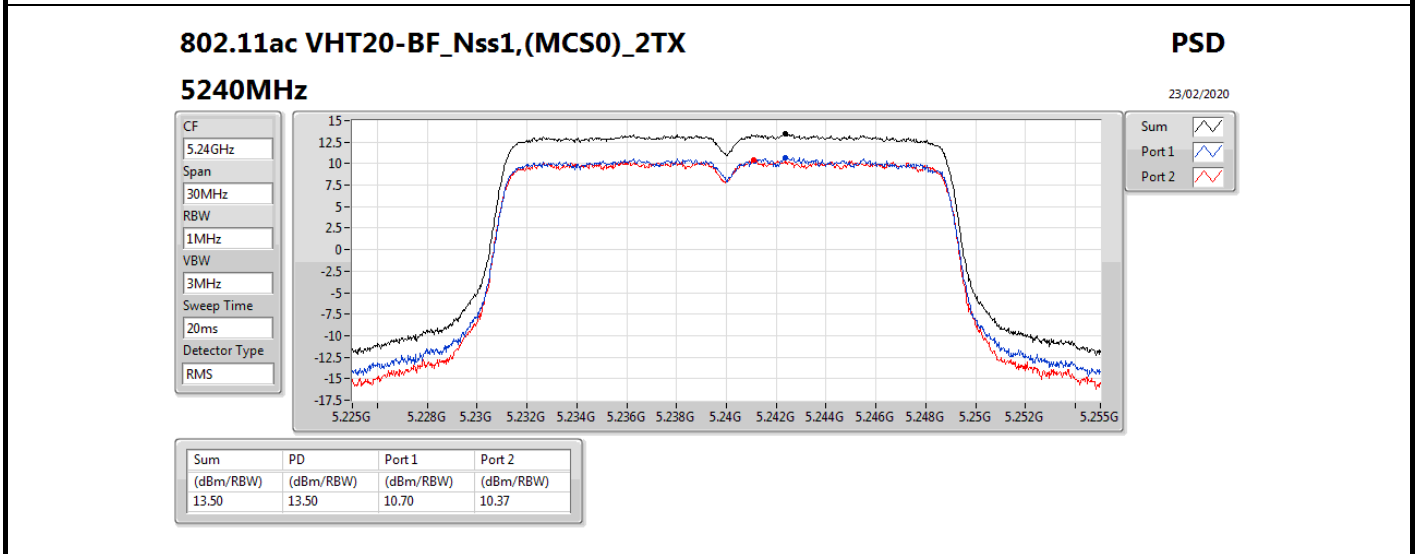
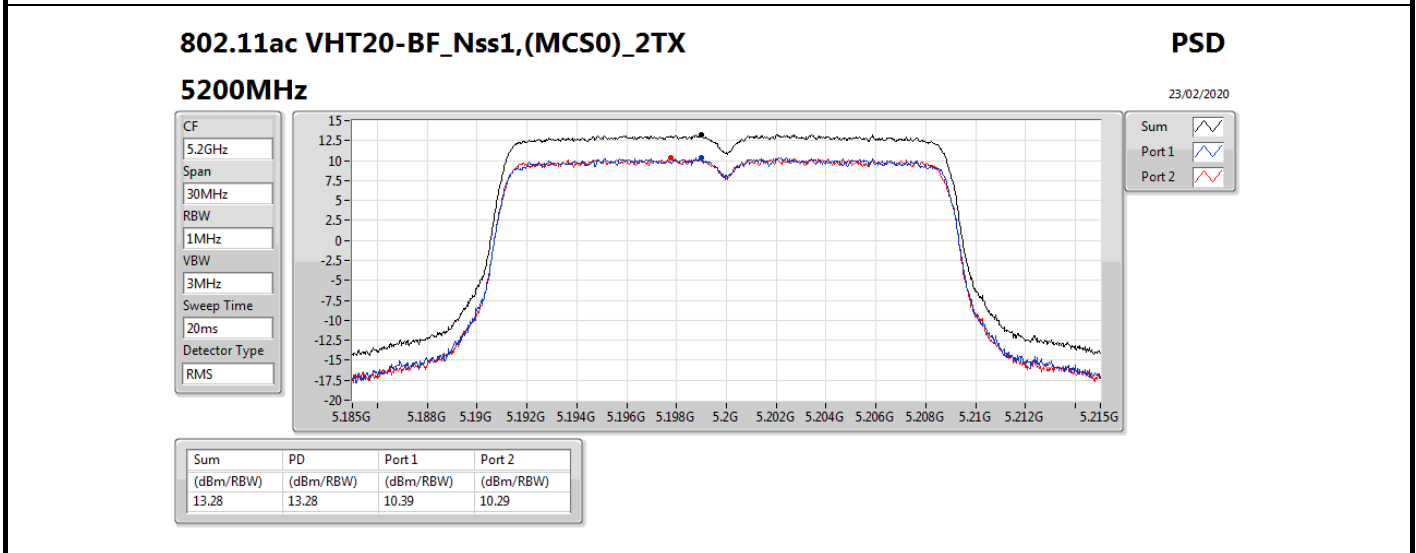
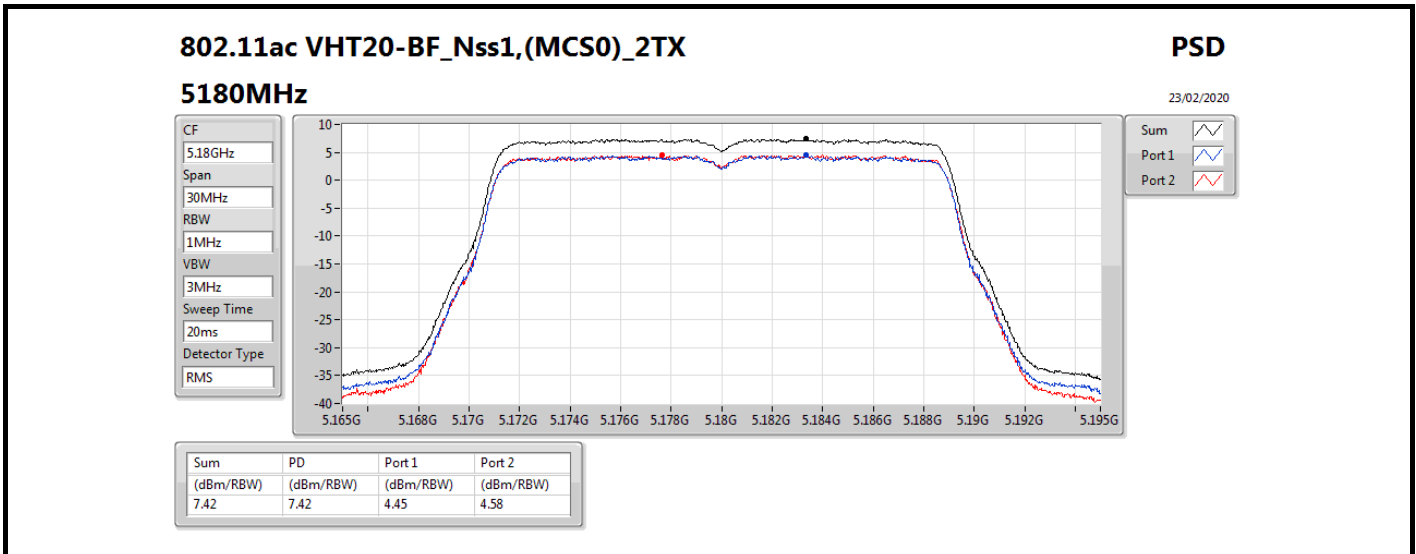


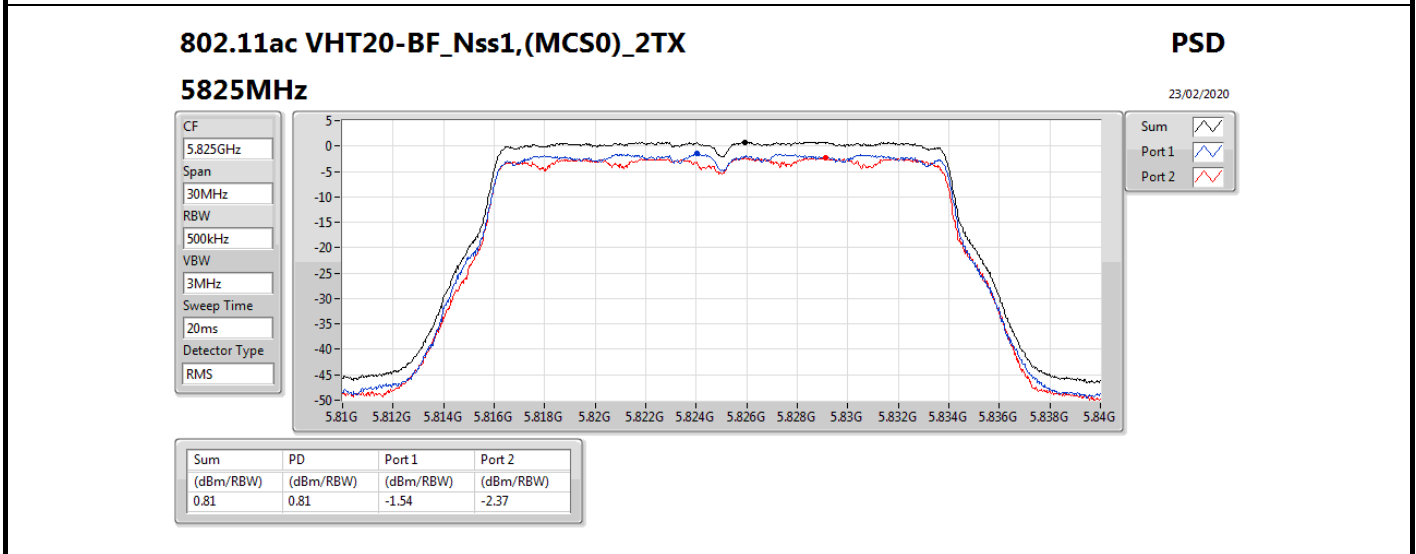
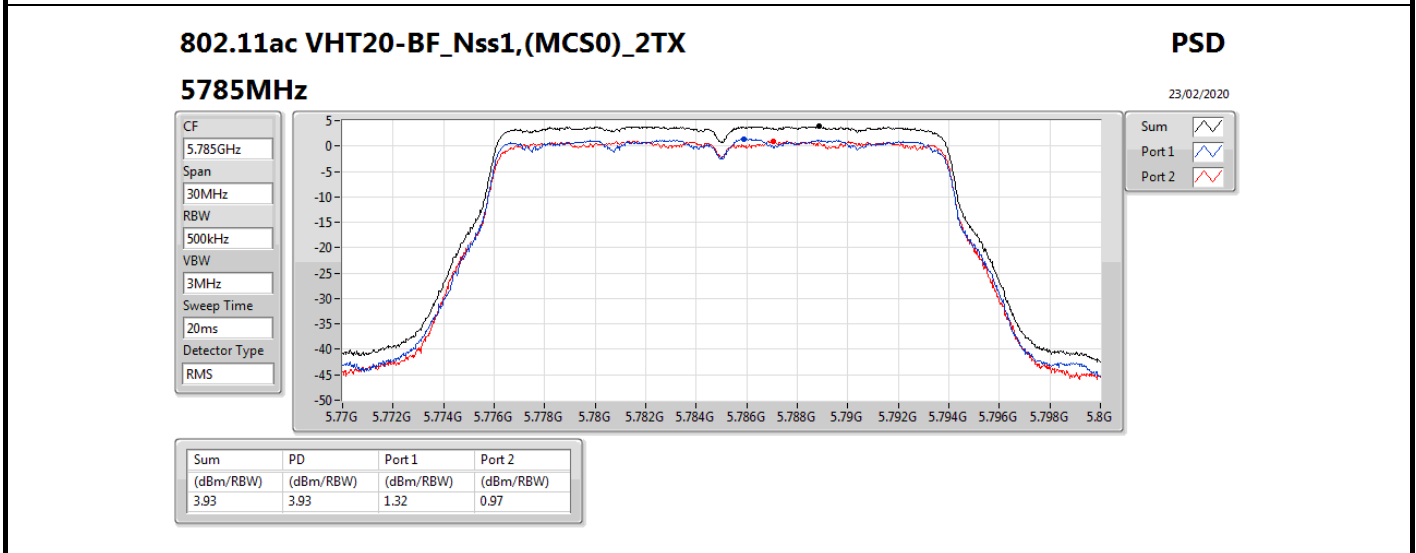
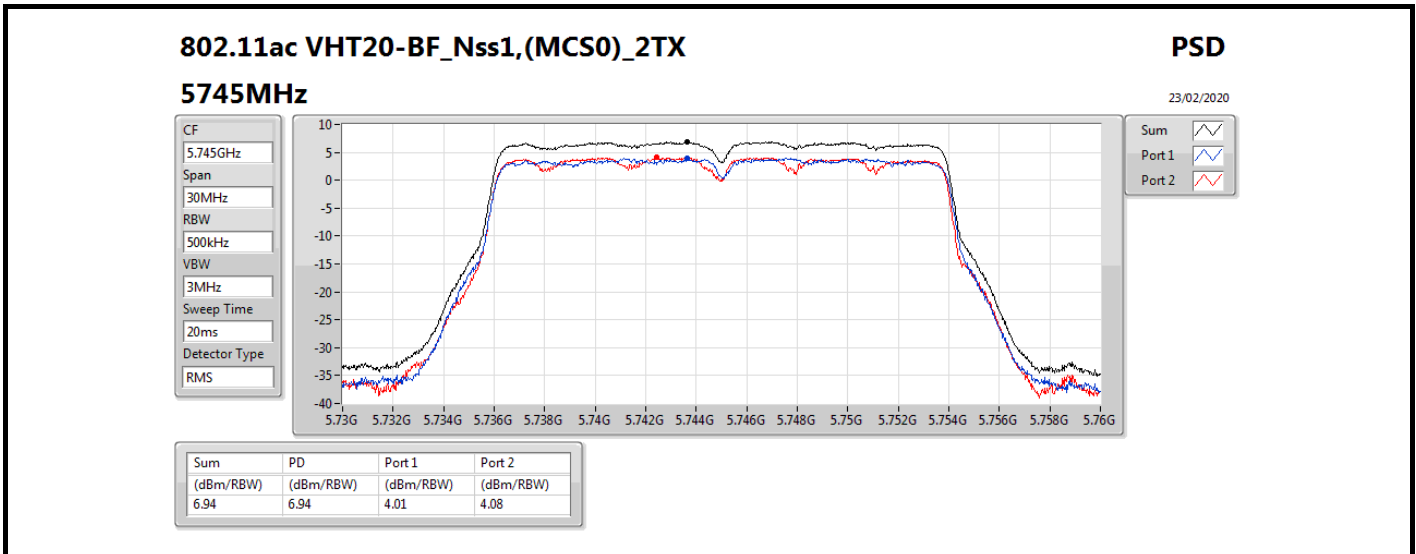
Result

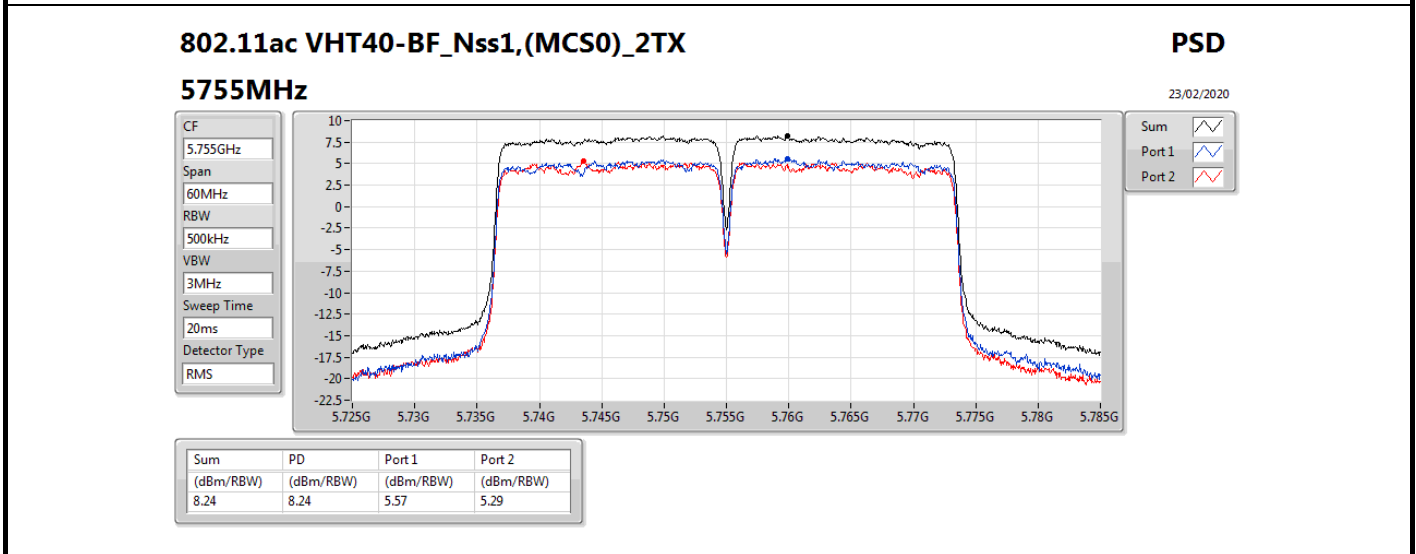
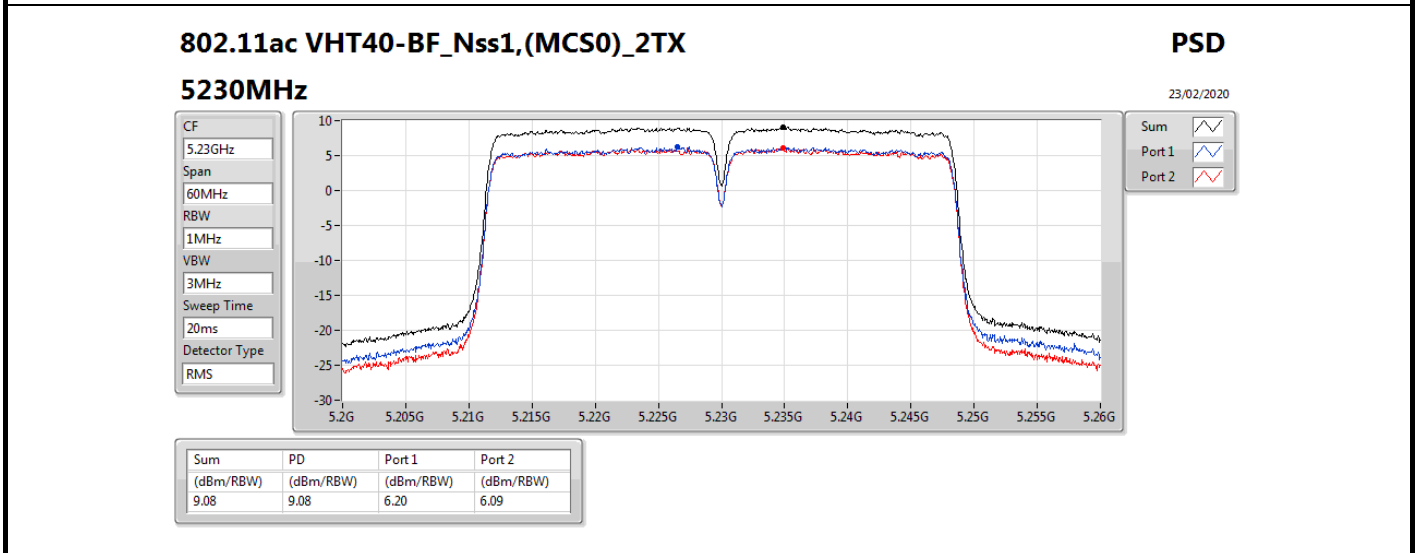
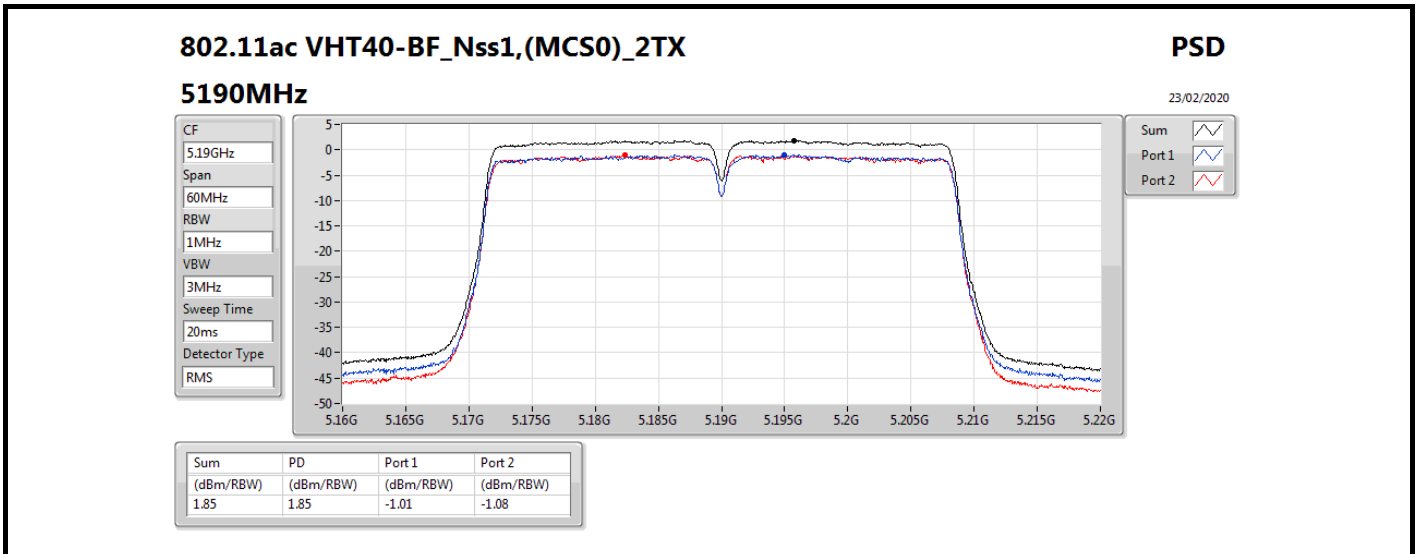
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.96	4.45	4.58	7.42	15.04	15.38	23.00
5200MHz	Pass	7.96	10.39	10.29	13.28	15.04	21.24	23.00
5240MHz	Pass	7.96	10.70	10.37	13.50	15.04	21.46	23.00
5745MHz	Pass	7.96	4.01	4.08	6.94	28.04	14.90	36.00
5785MHz	Pass	7.96	1.32	0.97	3.93	28.04	11.89	36.00
5825MHz	Pass	7.96	-1.54	-2.37	0.81	28.04	8.77	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.96	-1.01	-1.08	1.85	15.04	9.81	23.00
5230MHz	Pass	7.96	6.20	6.09	9.08	15.04	17.04	23.00
5755MHz	Pass	7.96	5.57	5.29	8.24	28.04	16.20	36.00
5795MHz	Pass	7.96	5.03	4.87	7.73	28.04	15.69	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.96	-2.35	-1.66	0.90	15.04	8.86	23.00
5775MHz	Pass	7.96	2.31	2.29	5.02	28.04	12.98	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.96	4.77	4.89	7.64	15.04	15.60	23.00
5200MHz	Pass	7.96	10.39	10.45	13.40	15.04	21.36	23.00
5240MHz	Pass	7.96	10.53	10.03	13.19	15.04	21.15	23.00
5745MHz	Pass	7.96	3.86	3.78	6.76	28.04	14.72	36.00
5785MHz	Pass	7.96	1.15	0.99	3.95	28.04	11.91	36.00
5825MHz	Pass	7.96	-1.67	-1.80	1.19	28.04	9.15	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.96	-0.89	-1.12	1.97	15.04	9.93	23.00
5230MHz	Pass	7.96	6.50	6.26	9.34	15.04	17.30	23.00
5755MHz	Pass	7.96	5.36	5.45	8.04	28.04	16.00	36.00
5795MHz	Pass	7.96	5.19	4.87	7.70	28.04	15.66	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.96	-5.78	-2.71	-1.64	15.04	6.32	23.00
5775MHz	Pass	7.96	2.47	2.33	5.05	28.04	13.01	36.00

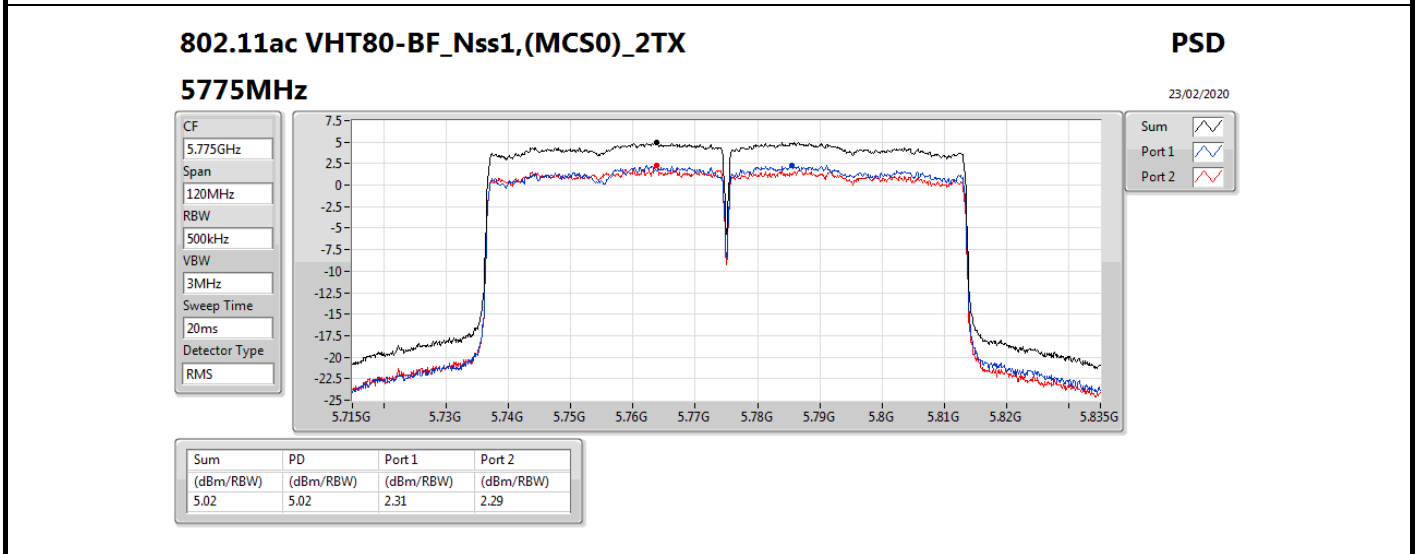
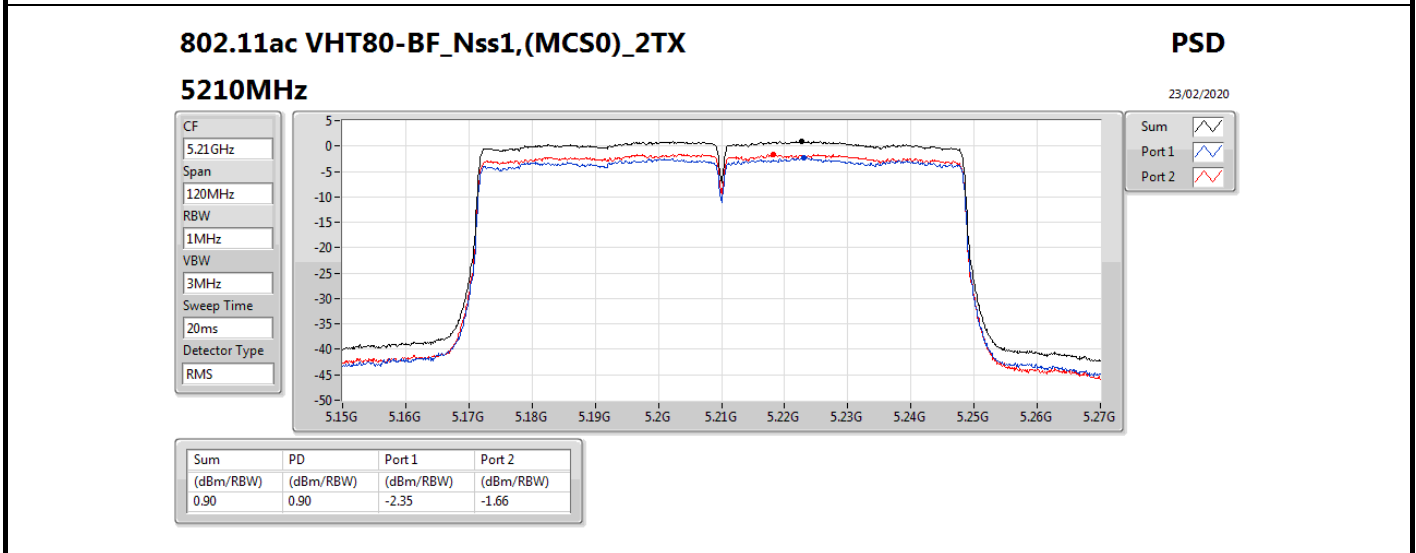
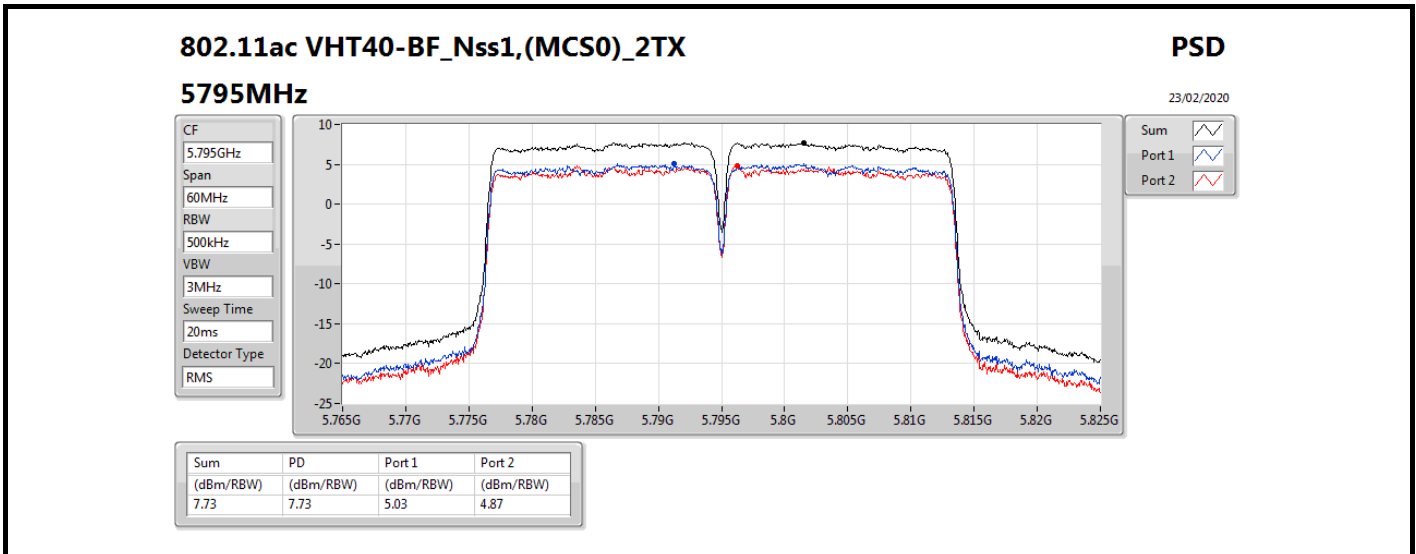
DG = Directional Gain; RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

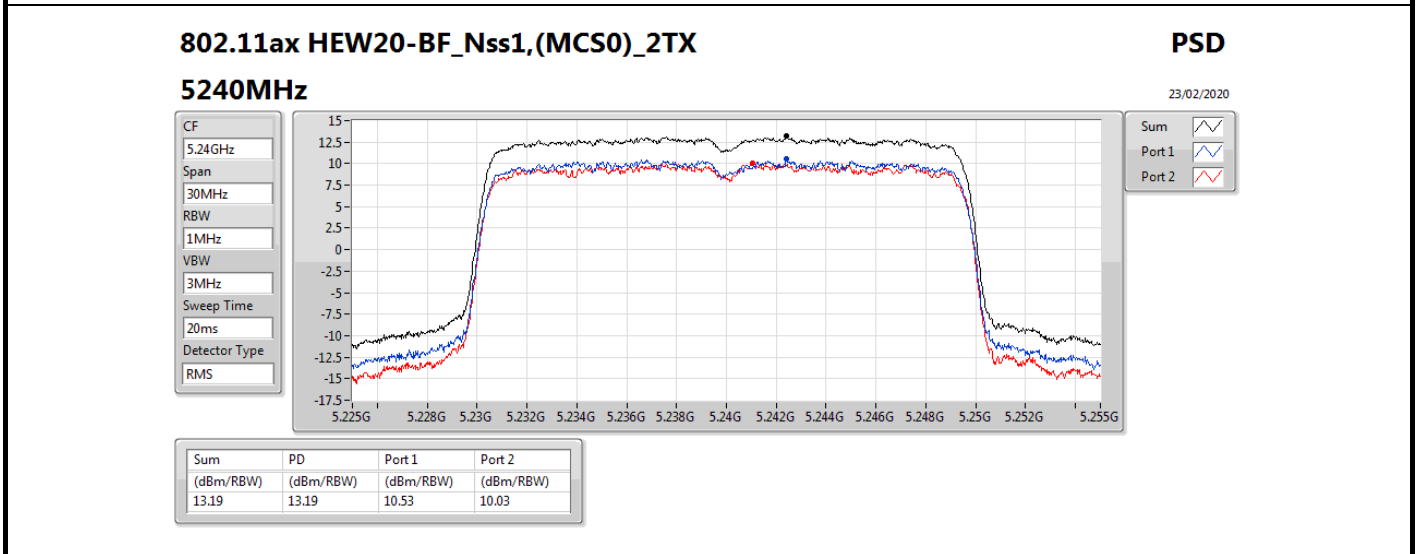
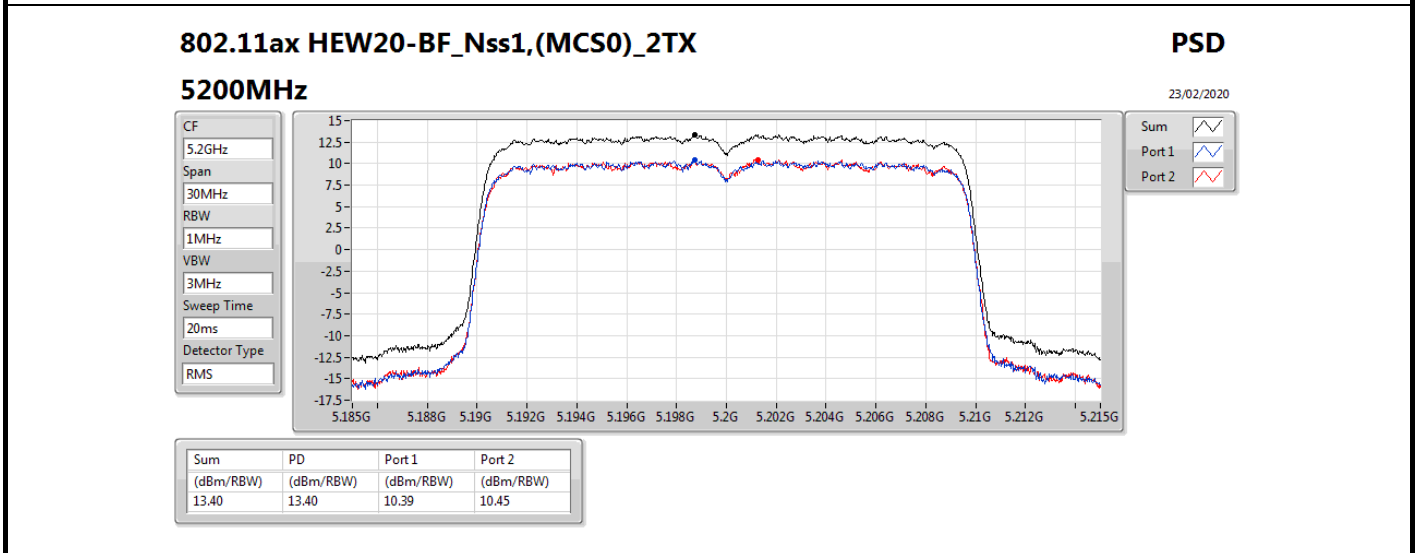
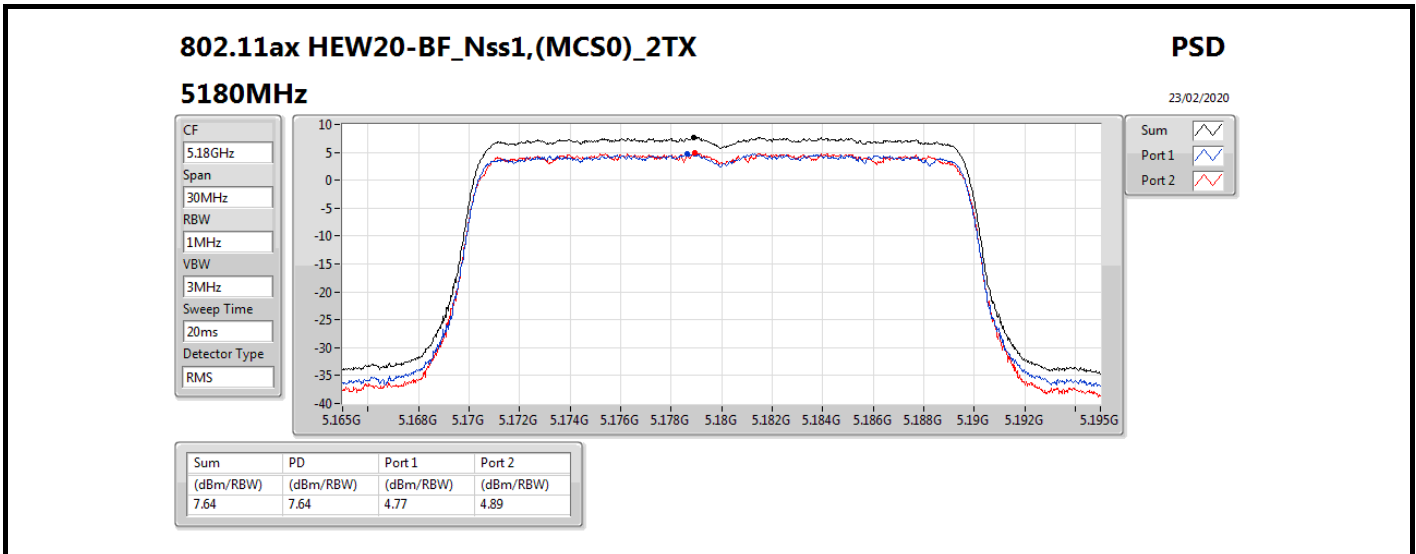
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

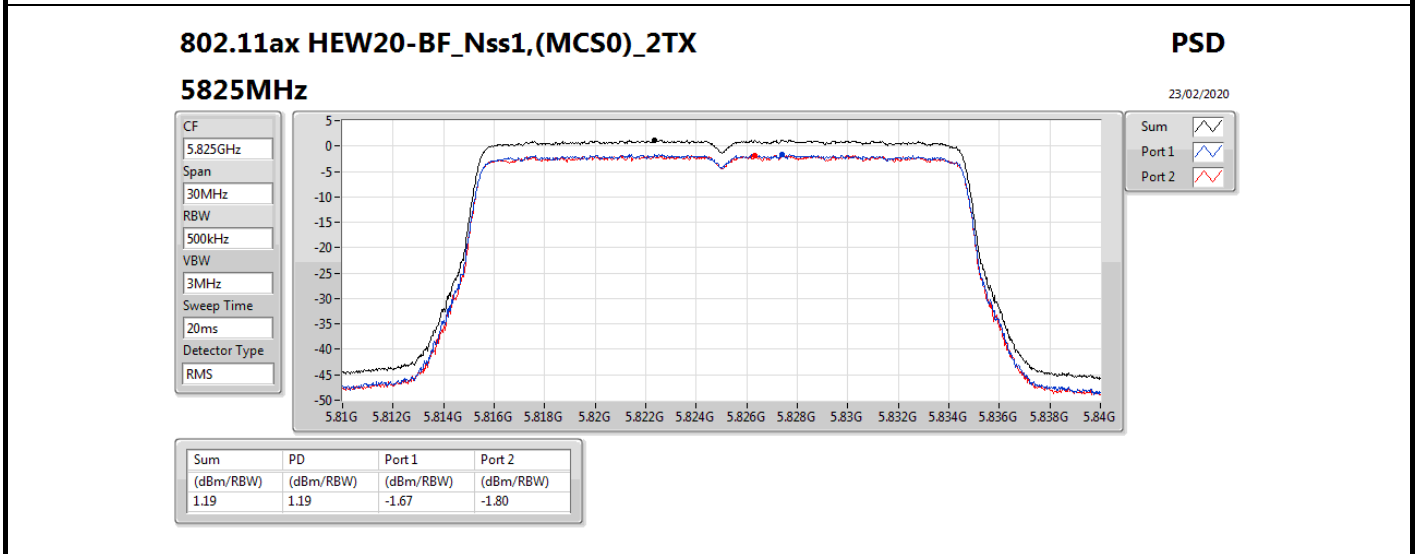
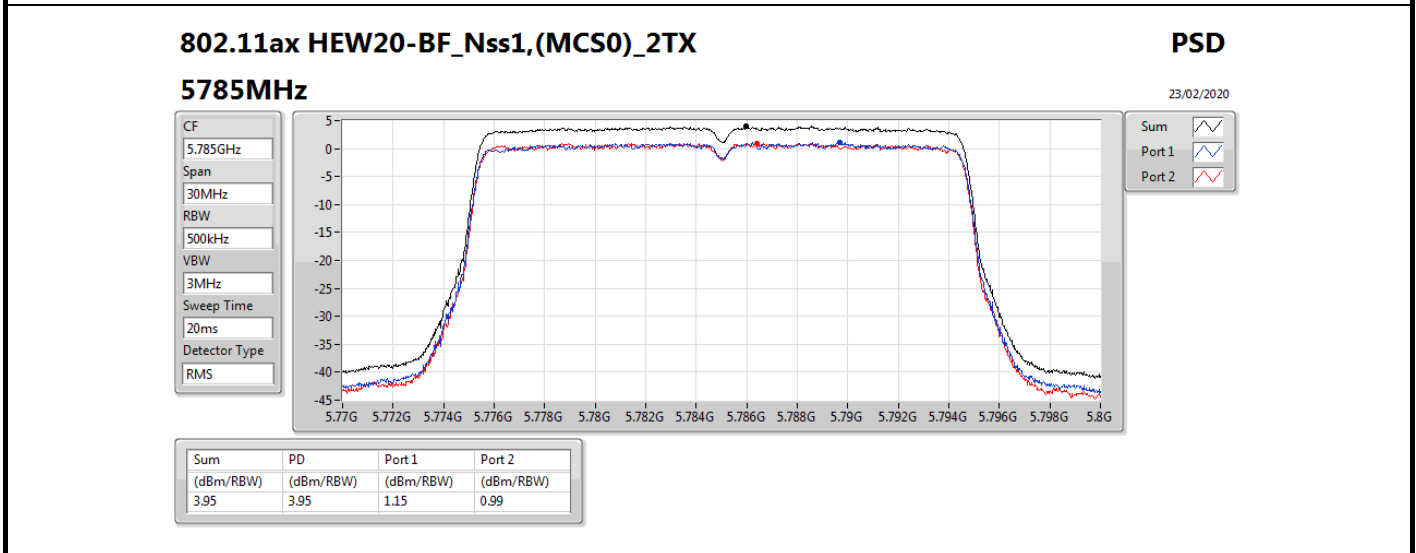
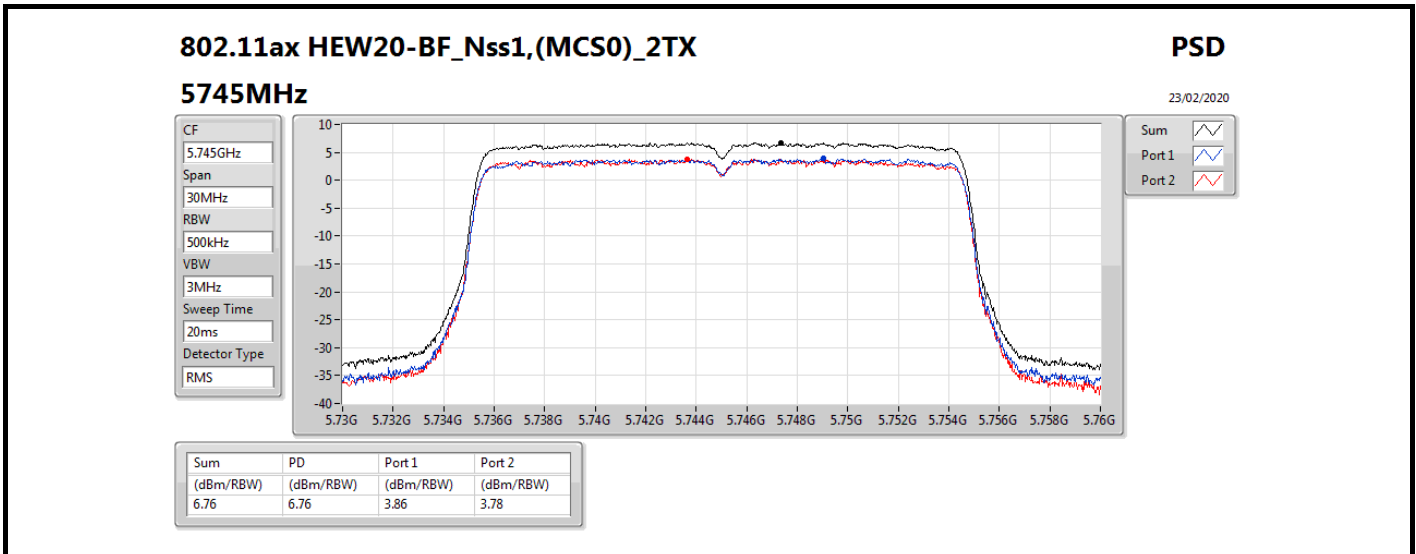


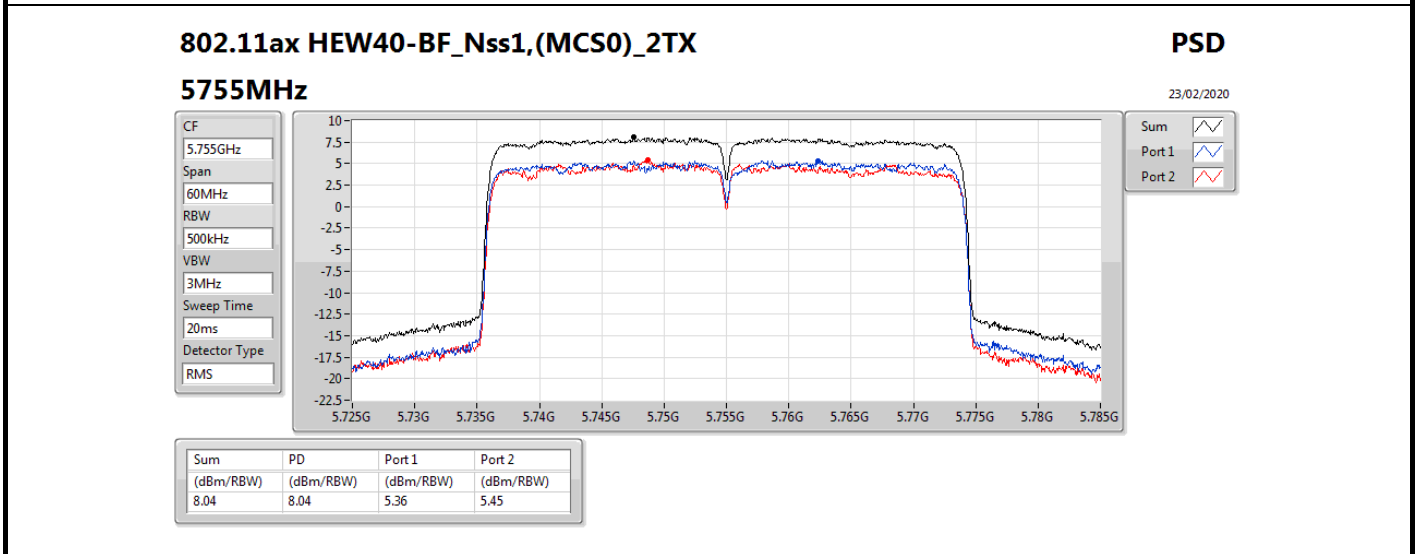
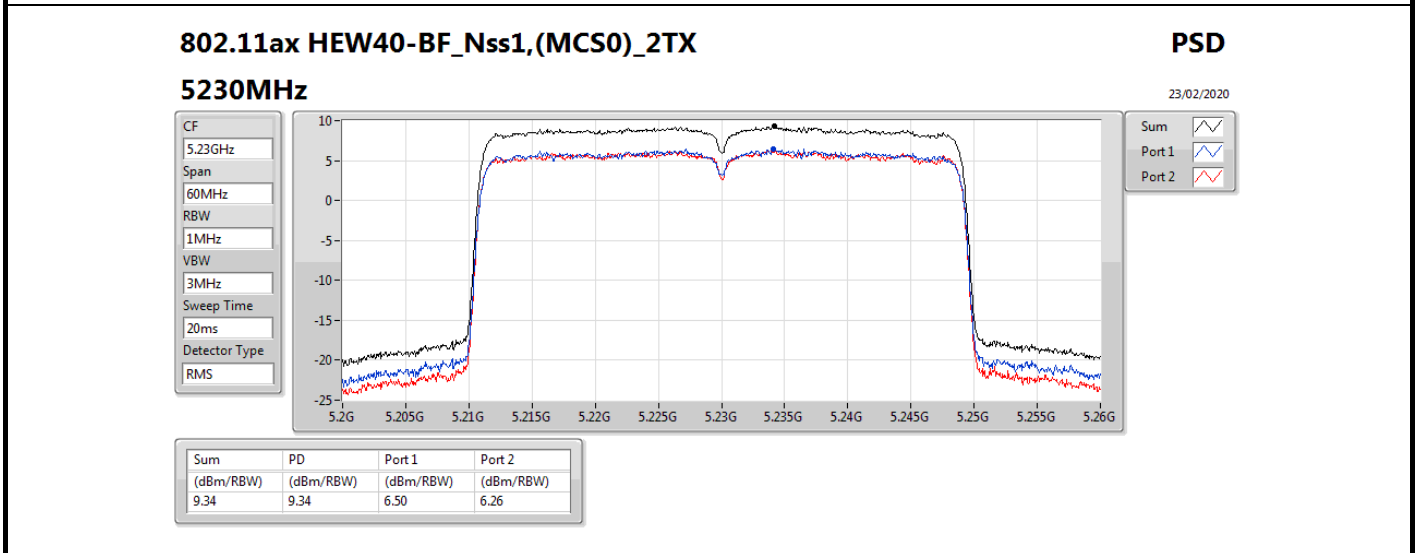
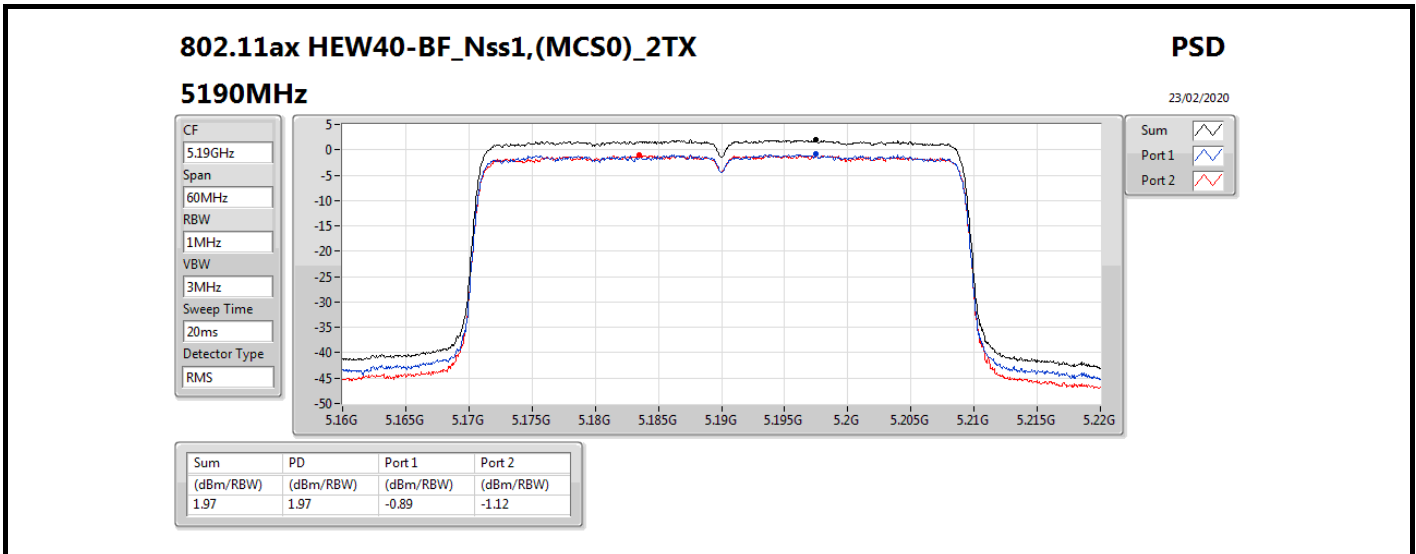












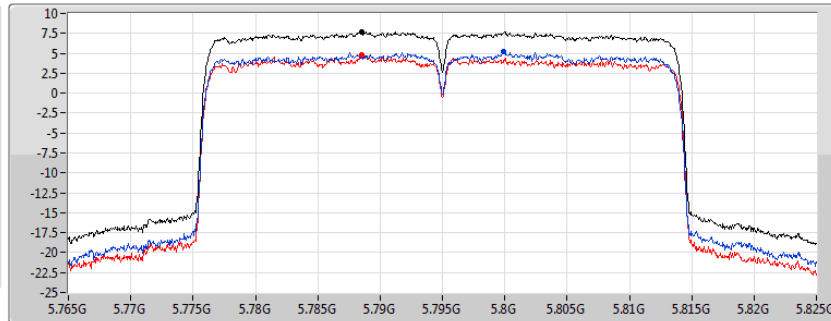
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

5795MHz

23/02/2020

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.70	7.70	5.19	4.87

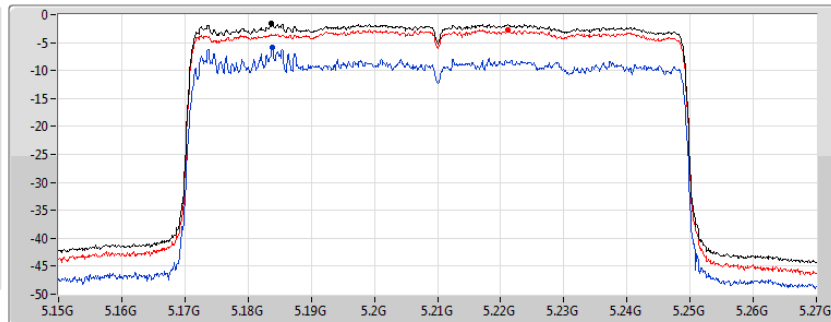
802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

5210MHz

23/02/2020

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.64	-1.64	-5.78	-2.71

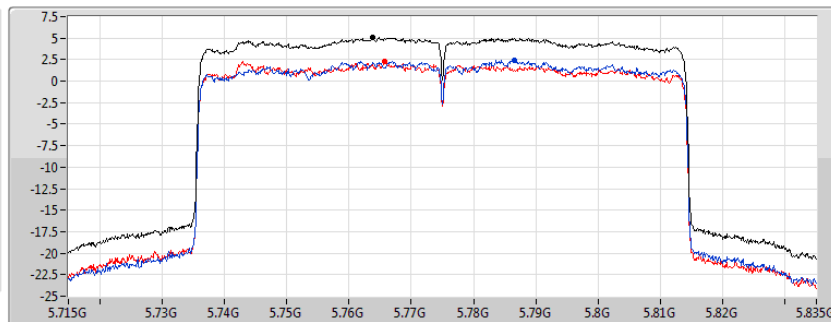
802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

5775MHz

23/02/2020

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.05	5.05	2.47	2.33



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	12.17	20.20
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	6.59	14.62
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	0.04	8.07
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	12.31	20.34
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	6.87	14.90
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.57	8.60
5.725-5.85GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	8.89	16.92
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	6.80	14.83
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	2.27	10.30
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	9.16	17.19
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	7.28	15.31
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	2.77	10.80

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