

802.11ax HEW20_Nss2,(MCS0)_2TX

5825MHz

PSD

27/03/2019

CF
5.825GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

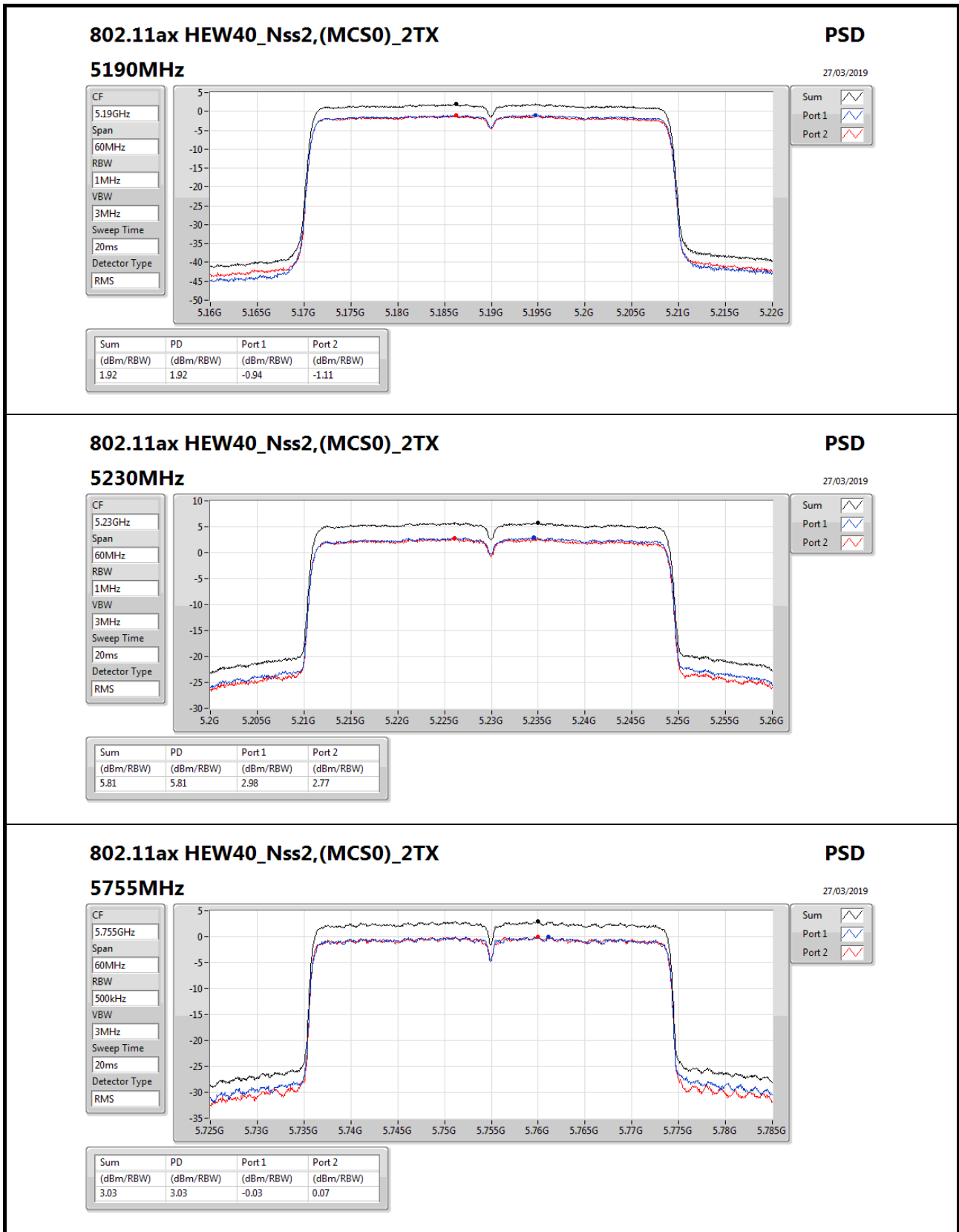
Sweep Time
20ms

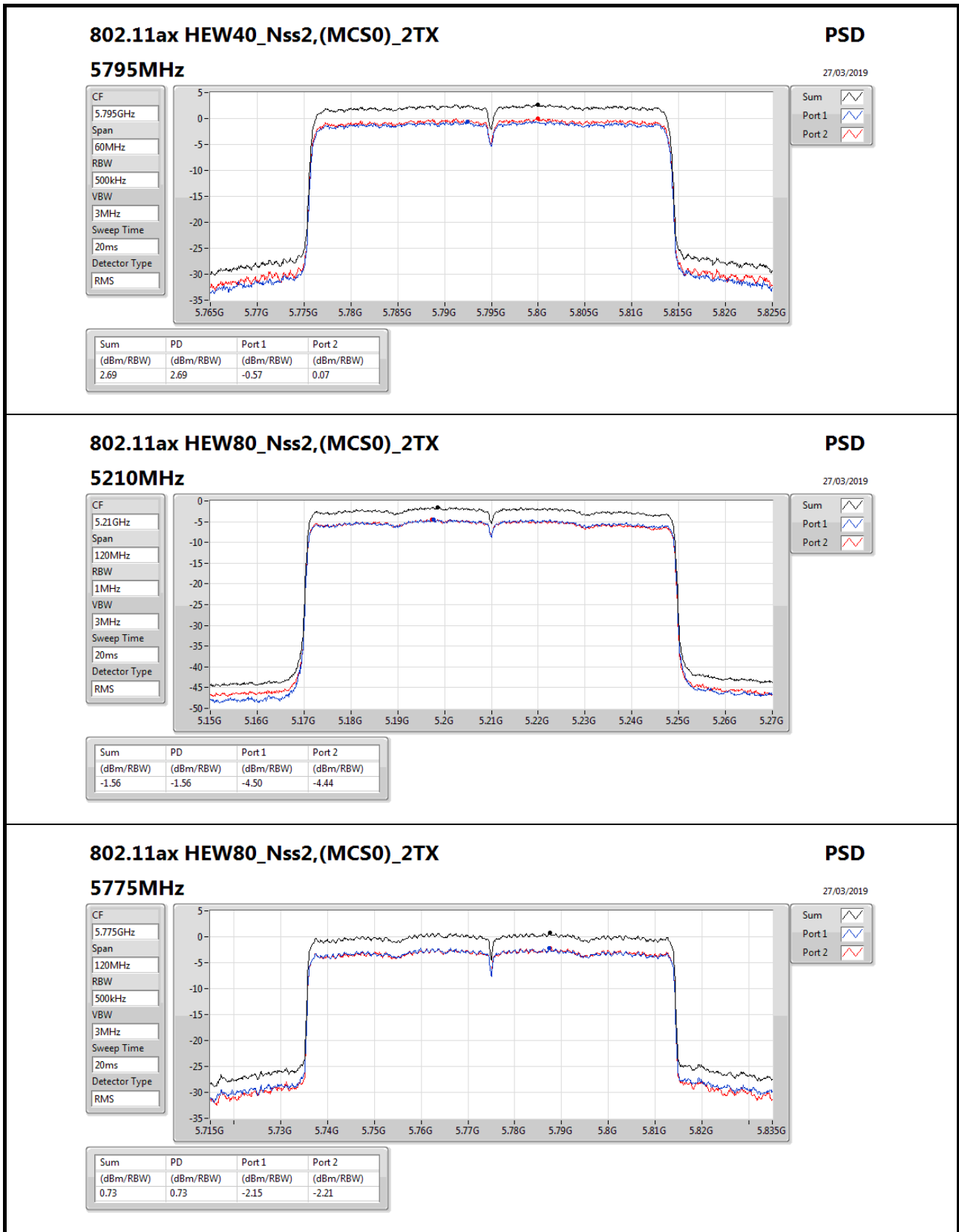
Detector Type
RMS

Sum

Port 1

Port 2





802.11ax HEW80_Nss2,(MCS0)_2TX

5775MHz

PSD

27/03/2019

CF

5.775GHz

Span

120MHz

RBW

500kHz

VBW

3MHz

Sweep Time

20ms

Detector Type

RMS

Sum

Port 1

Port 2



**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	8.68
802.11ax HEW20_Nss1,(MCS0)_4TX	8.58
802.11ax HEW40_Nss1,(MCS0)_4TX	6.96
802.11ax HEW80_Nss1,(MCS0)_4TX	0.02
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	7.10
802.11ax HEW20_Nss1,(MCS0)_4TX	9.13
802.11ax HEW40_Nss1,(MCS0)_4TX	5.84
802.11ax HEW80_Nss1,(MCS0)_4TX	2.10

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

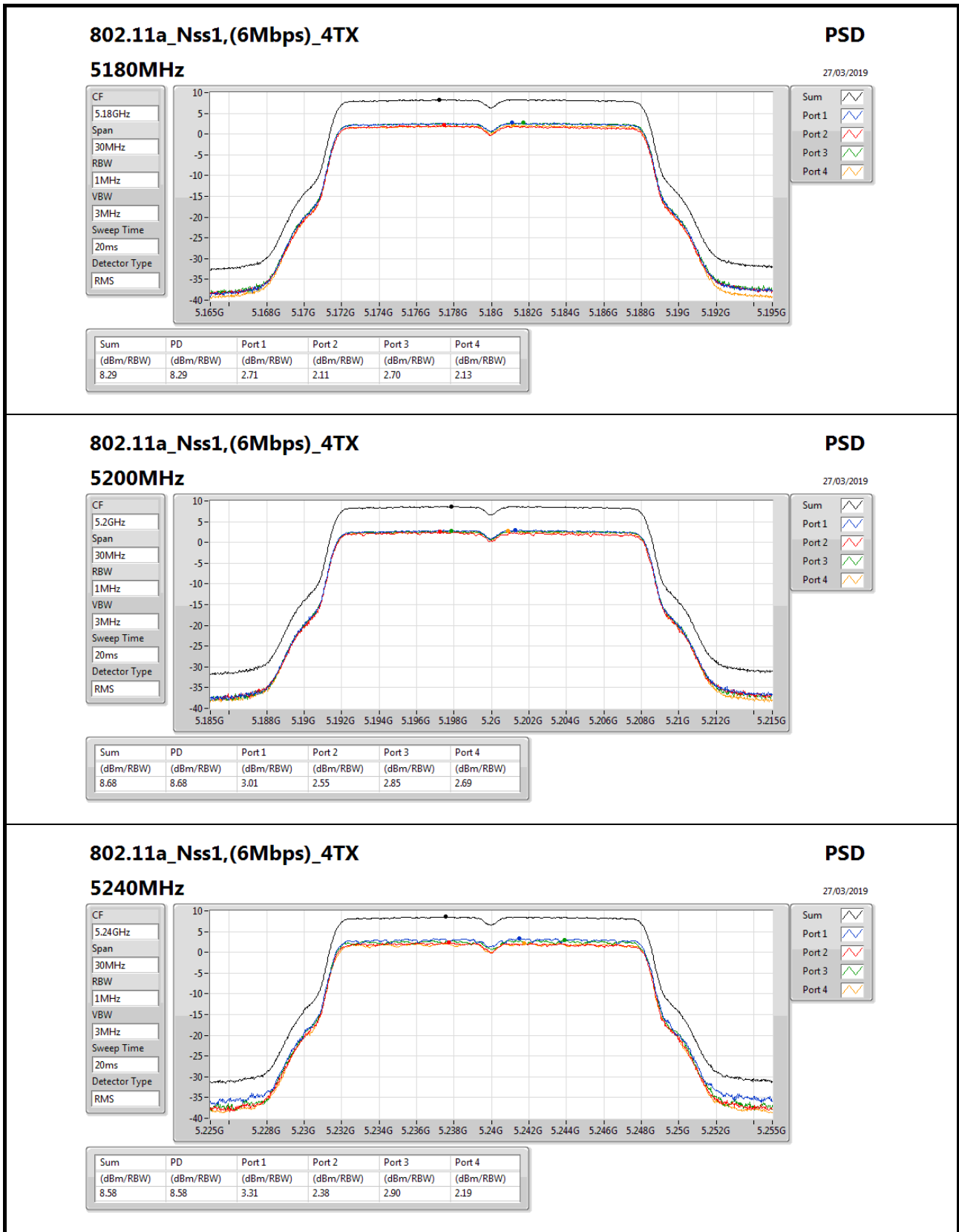


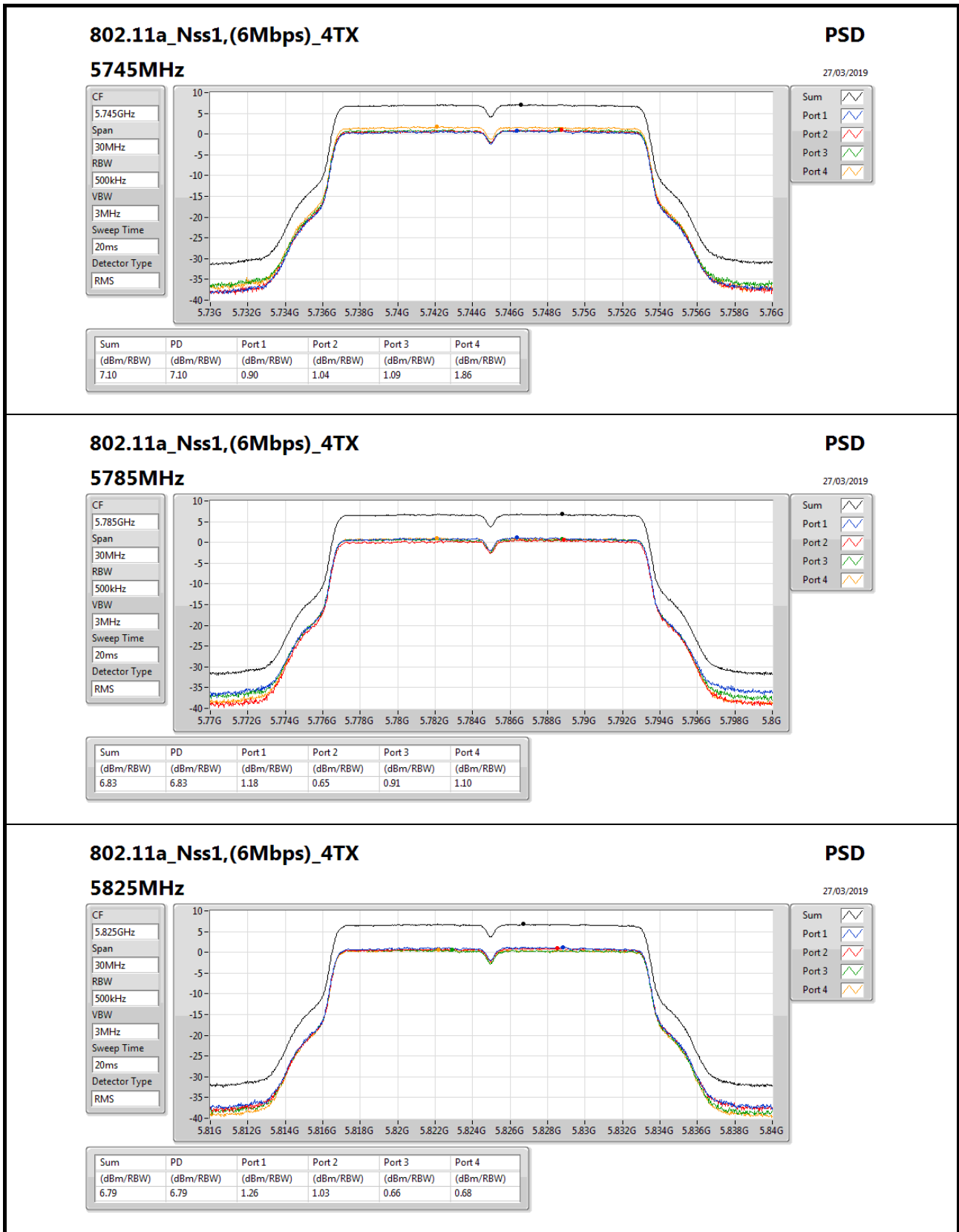
Result

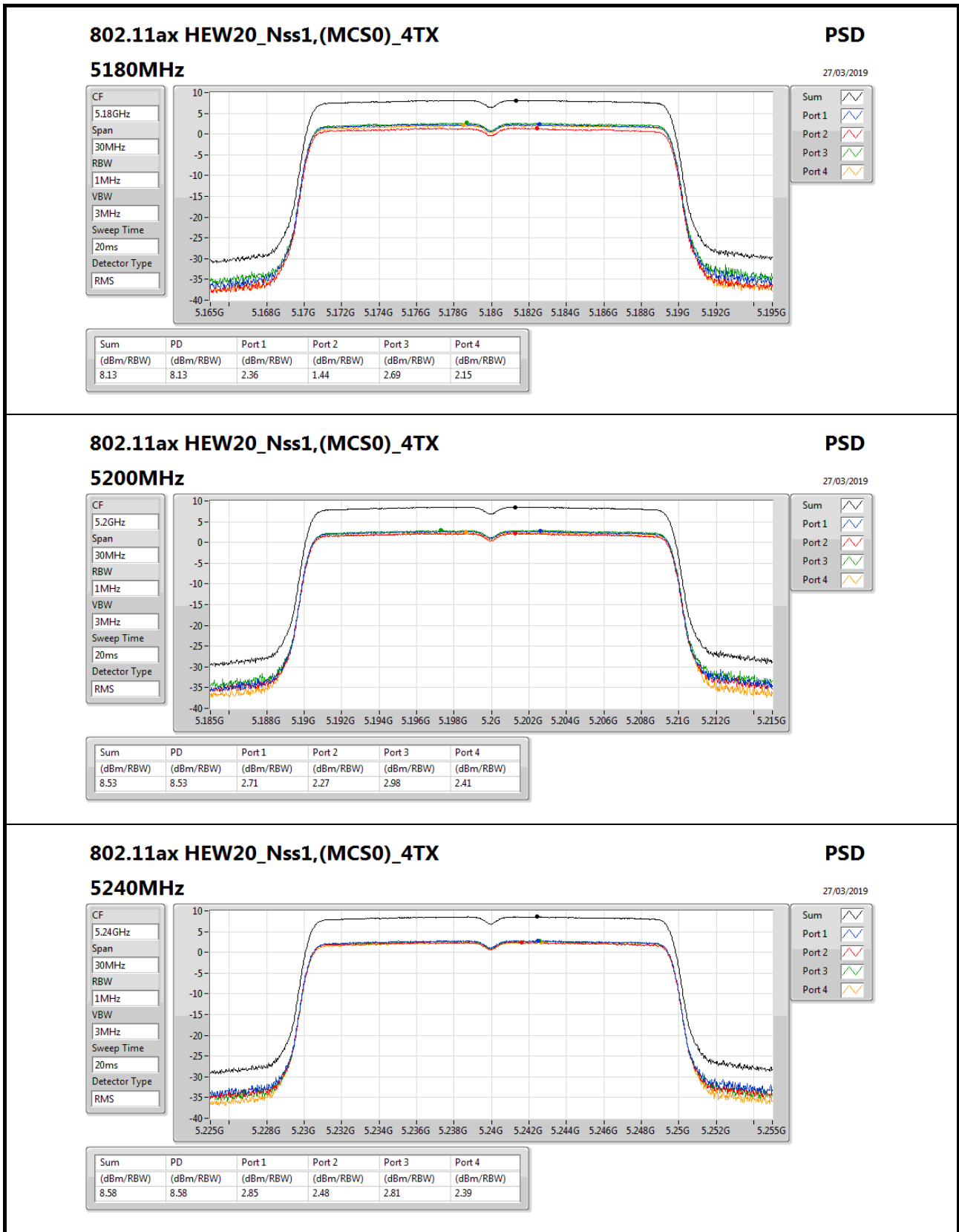
Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.29	2.71	2.11	2.70	2.13	8.29	8.71
5200MHz	Pass	14.29	3.01	2.55	2.85	2.69	8.68	8.71
5240MHz	Pass	14.29	3.31	2.38	2.90	2.19	8.58	8.71
5745MHz	Pass	14.29	0.90	1.04	1.09	1.86	7.10	21.71
5785MHz	Pass	14.29	1.18	0.65	0.91	1.10	6.83	21.71
5825MHz	Pass	14.29	1.26	1.03	0.66	0.68	6.79	21.71
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.29	2.36	1.44	2.69	2.15	8.13	8.71
5200MHz	Pass	14.29	2.71	2.27	2.98	2.41	8.53	8.71
5240MHz	Pass	14.29	2.85	2.48	2.81	2.39	8.58	8.71
5745MHz	Pass	14.29	1.79	1.48	2.13	2.14	7.82	21.71
5785MHz	Pass	14.29	2.70	3.13	3.24	3.58	9.13	21.71
5825MHz	Pass	14.29	1.61	2.22	1.94	1.85	7.81	21.71
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.29	-2.21	-3.17	-1.94	-2.39	3.51	8.71
5230MHz	Pass	14.29	0.88	0.67	1.30	1.23	6.96	8.71
5755MHz	Pass	14.29	-0.10	-0.26	-0.31	0.33	5.84	21.71
5795MHz	Pass	14.29	-0.57	-0.77	-0.36	-0.15	5.41	21.71
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.29	-5.81	-6.30	-5.72	-5.92	0.02	8.71
5775MHz	Pass	14.29	-3.93	-4.01	-3.75	-3.54	2.10	21.71

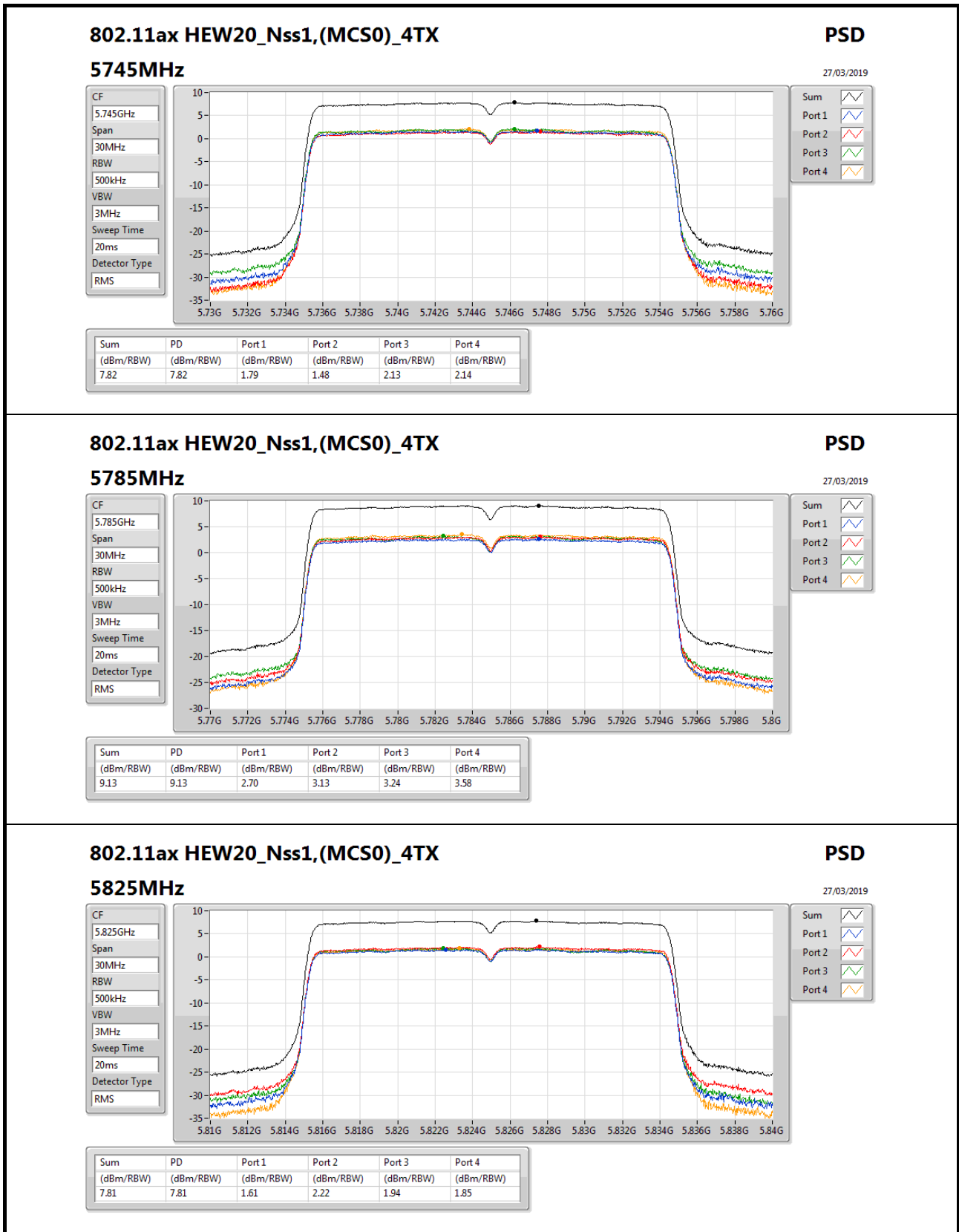
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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









802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz

PSD

27/03/2019

CF
5.825GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

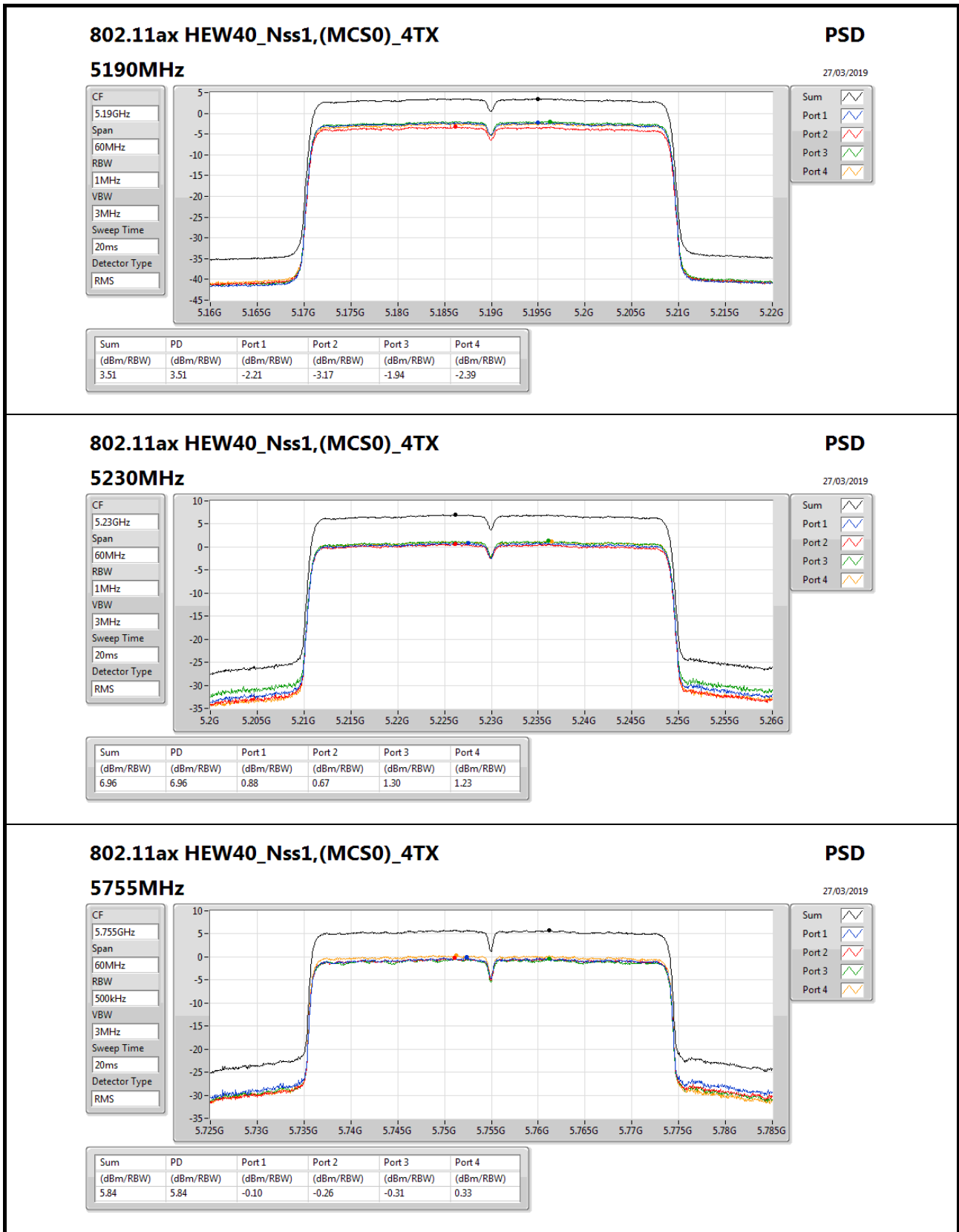
Sum

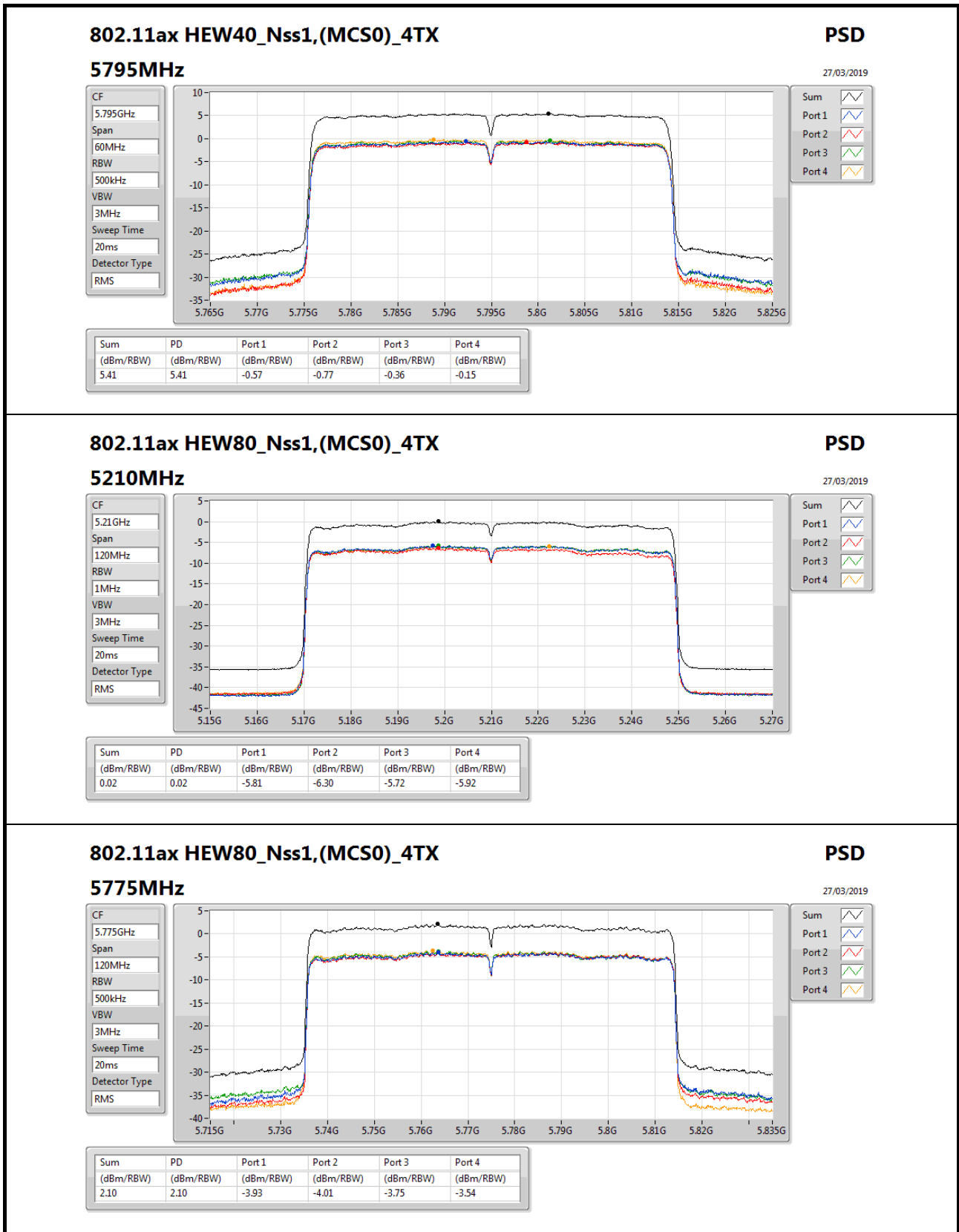
Port 1

Port 2

Port 3

Port 4







**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	7.78
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.17
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-1.38
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	6.36
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.34
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.78

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

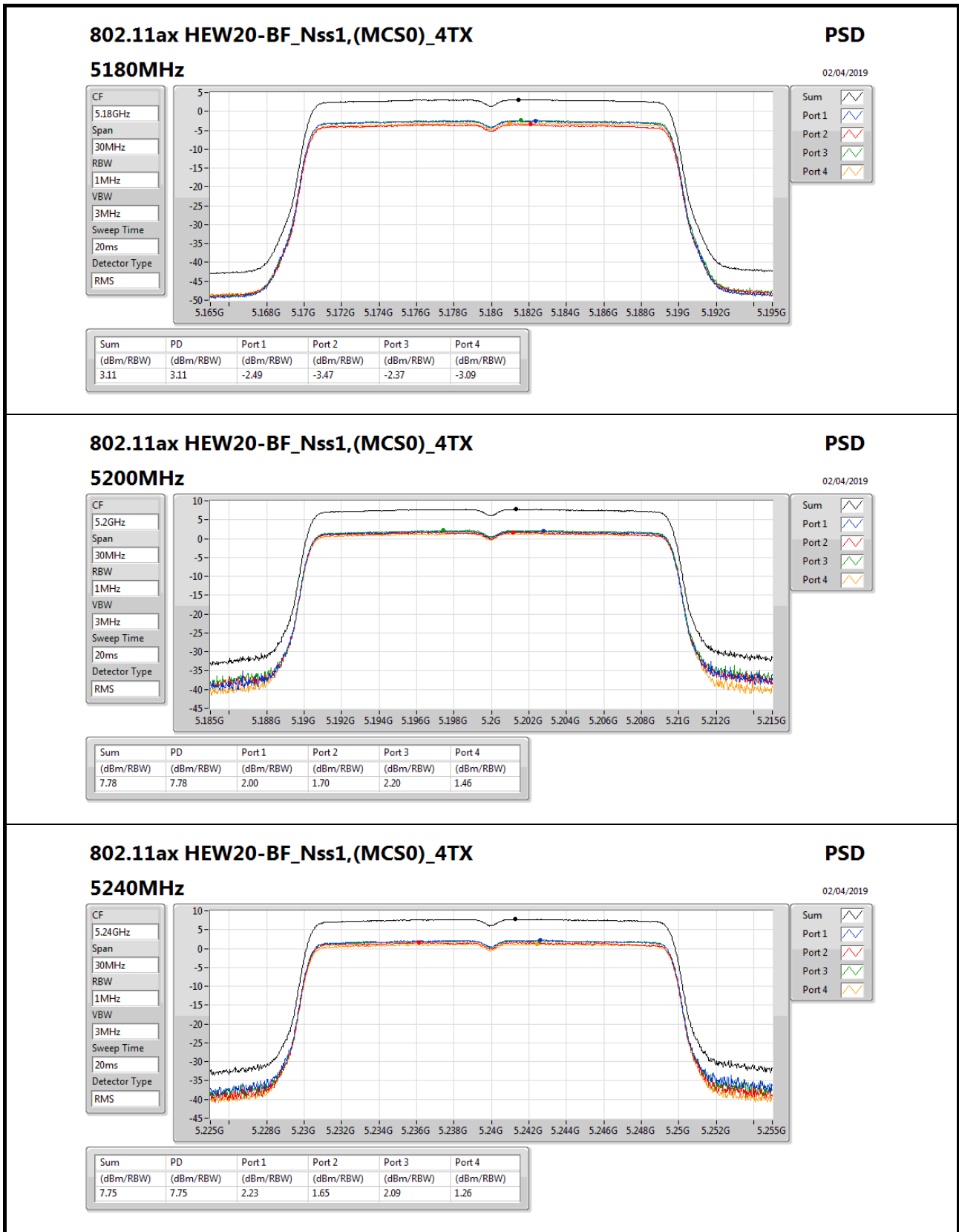


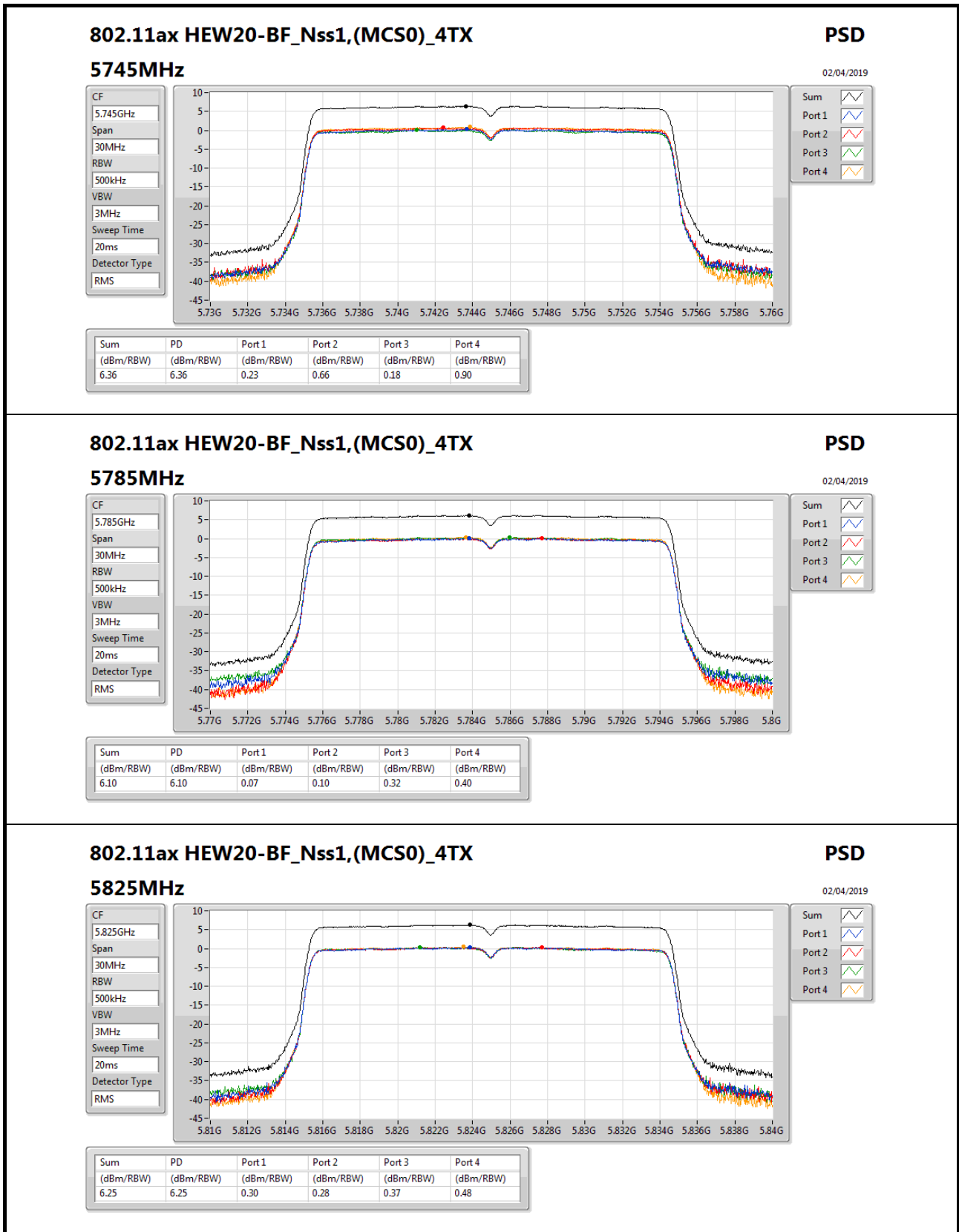
Result

Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.29	-2.49	-3.47	-2.37	-3.09	3.11	8.71
5200MHz	Pass	14.29	2.00	1.70	2.20	1.46	7.78	8.71
5240MHz	Pass	14.29	2.23	1.65	2.09	1.26	7.75	8.71
5745MHz	Pass	14.29	0.23	0.66	0.18	0.90	6.36	21.71
5785MHz	Pass	14.29	0.07	0.10	0.32	0.40	6.10	21.71
5825MHz	Pass	14.29	0.30	0.28	0.37	0.48	6.25	21.71
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.29	-5.21	-5.59	-4.81	-5.36	0.70	8.71
5230MHz	Pass	14.29	-1.67	-2.00	-1.52	-1.98	4.17	8.71
5755MHz	Pass	14.29	-3.15	-2.48	-3.03	-1.99	3.22	21.71
5795MHz	Pass	14.29	-2.80	-2.36	-2.67	-2.29	3.34	21.71
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.29	-7.08	-7.25	-7.38	-7.39	-1.38	8.71
5775MHz	Pass	14.29	-5.24	-5.32	-5.24	-4.69	0.78	21.71

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

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





802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5825MHz

PSD
02/04/2019

CF
5.825GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

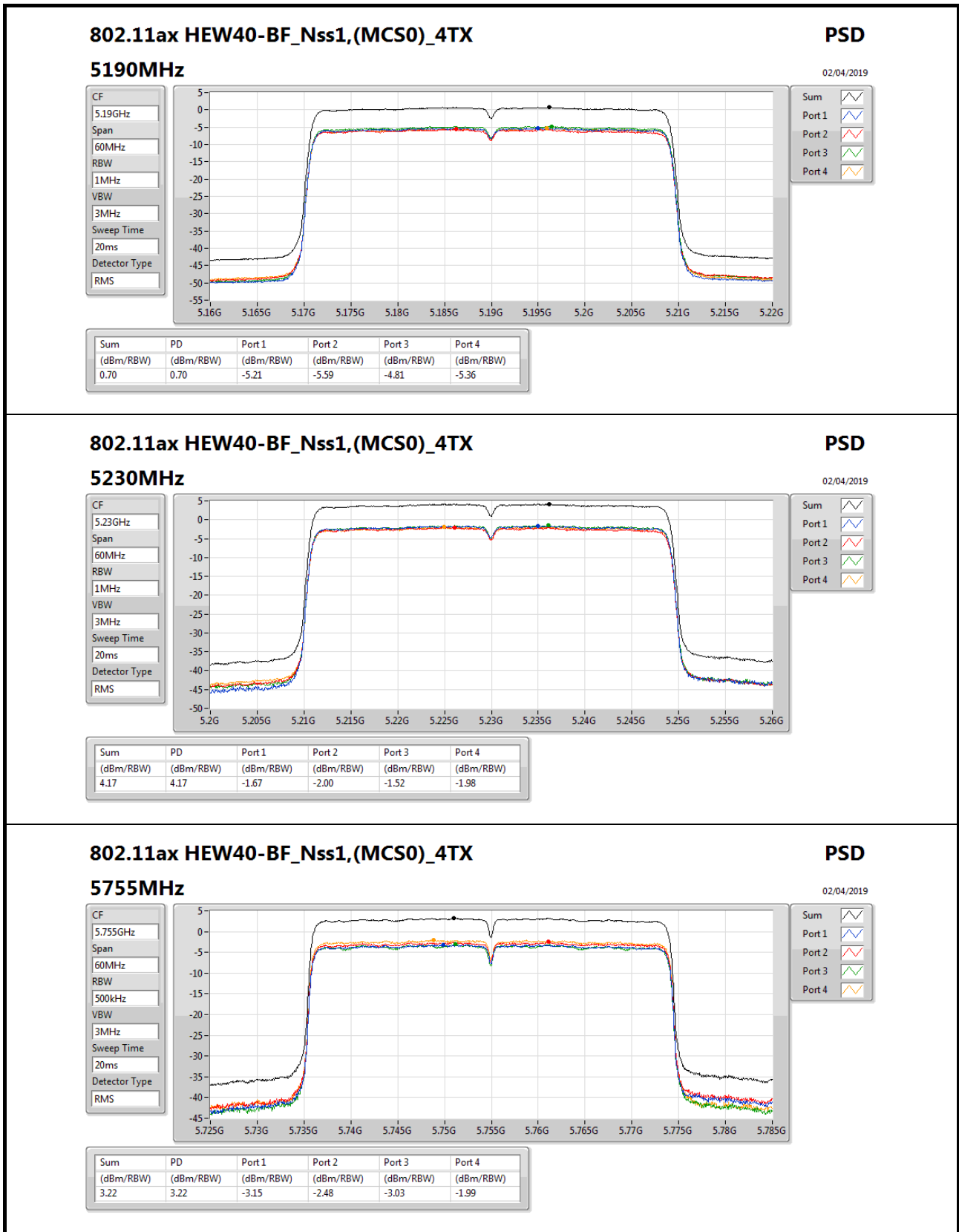
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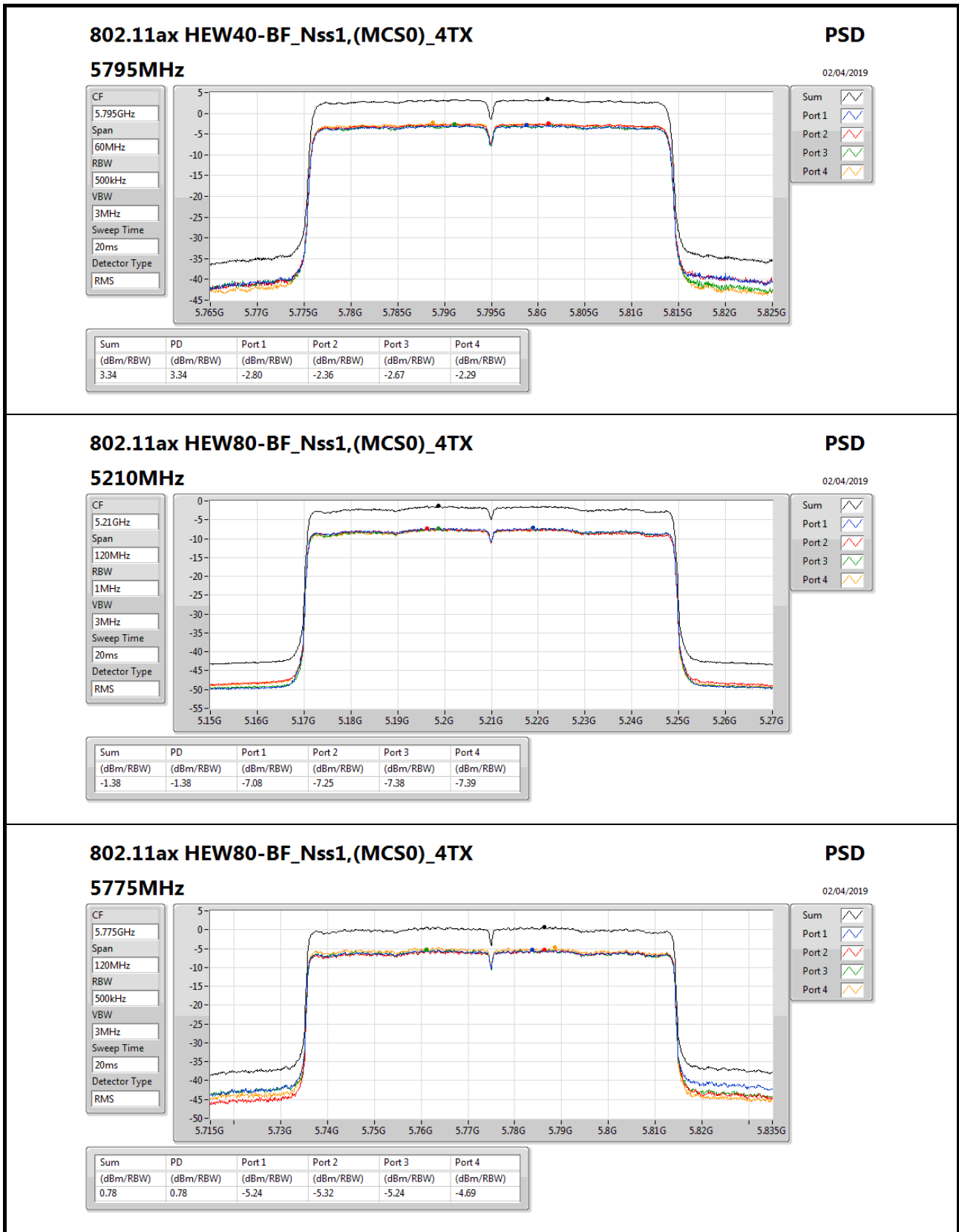
Port 1

Port 2

Port 3

Port 4







**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	12.51
802.11ax HEW40_Nss4,(MCS0)_4TX	6.91
802.11ax HEW80_Nss4,(MCS0)_4TX	0.48
5.725-5.85GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	9.21
802.11ax HEW40_Nss4,(MCS0)_4TX	5.80
802.11ax HEW80_Nss4,(MCS0)_4TX	2.94

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

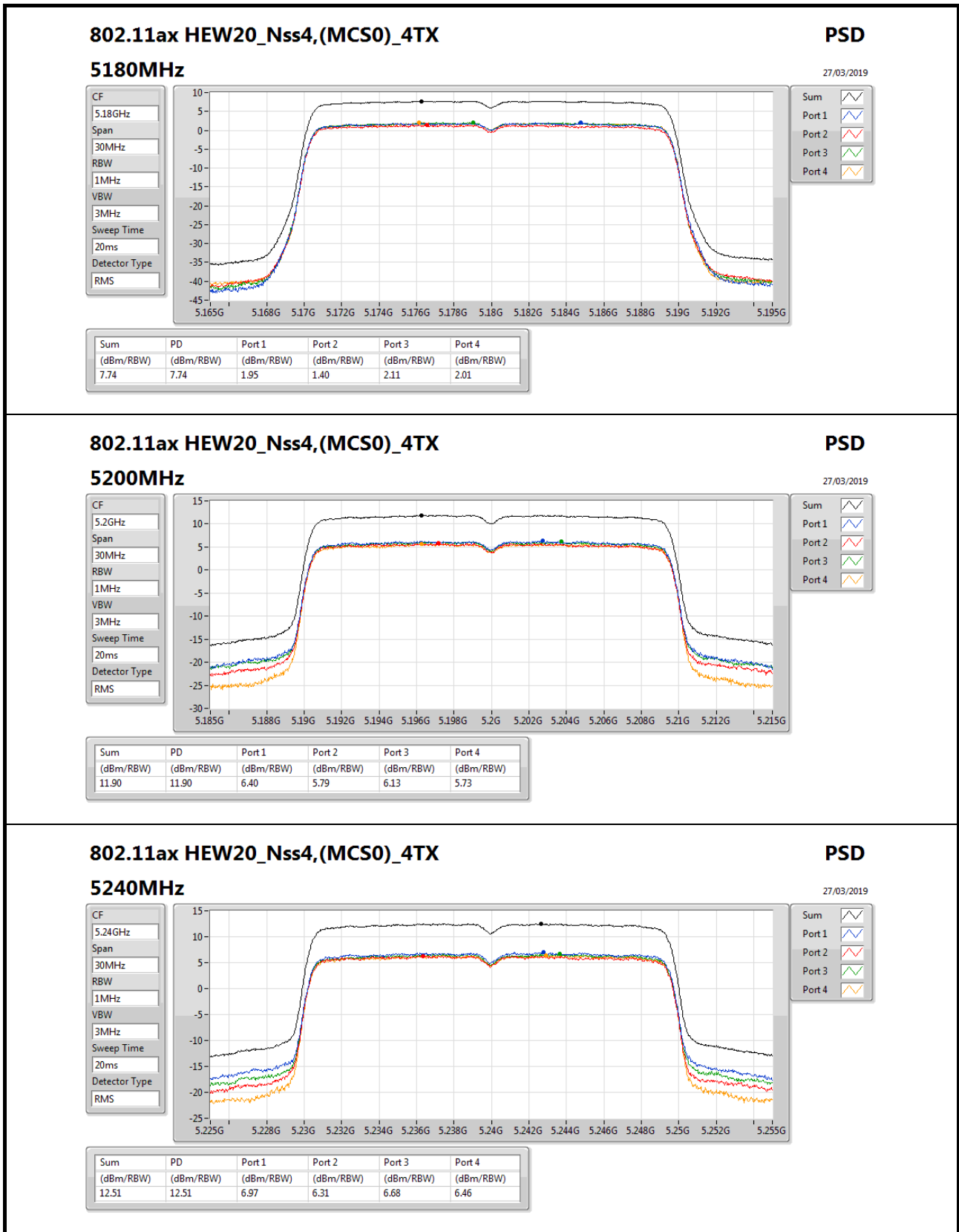


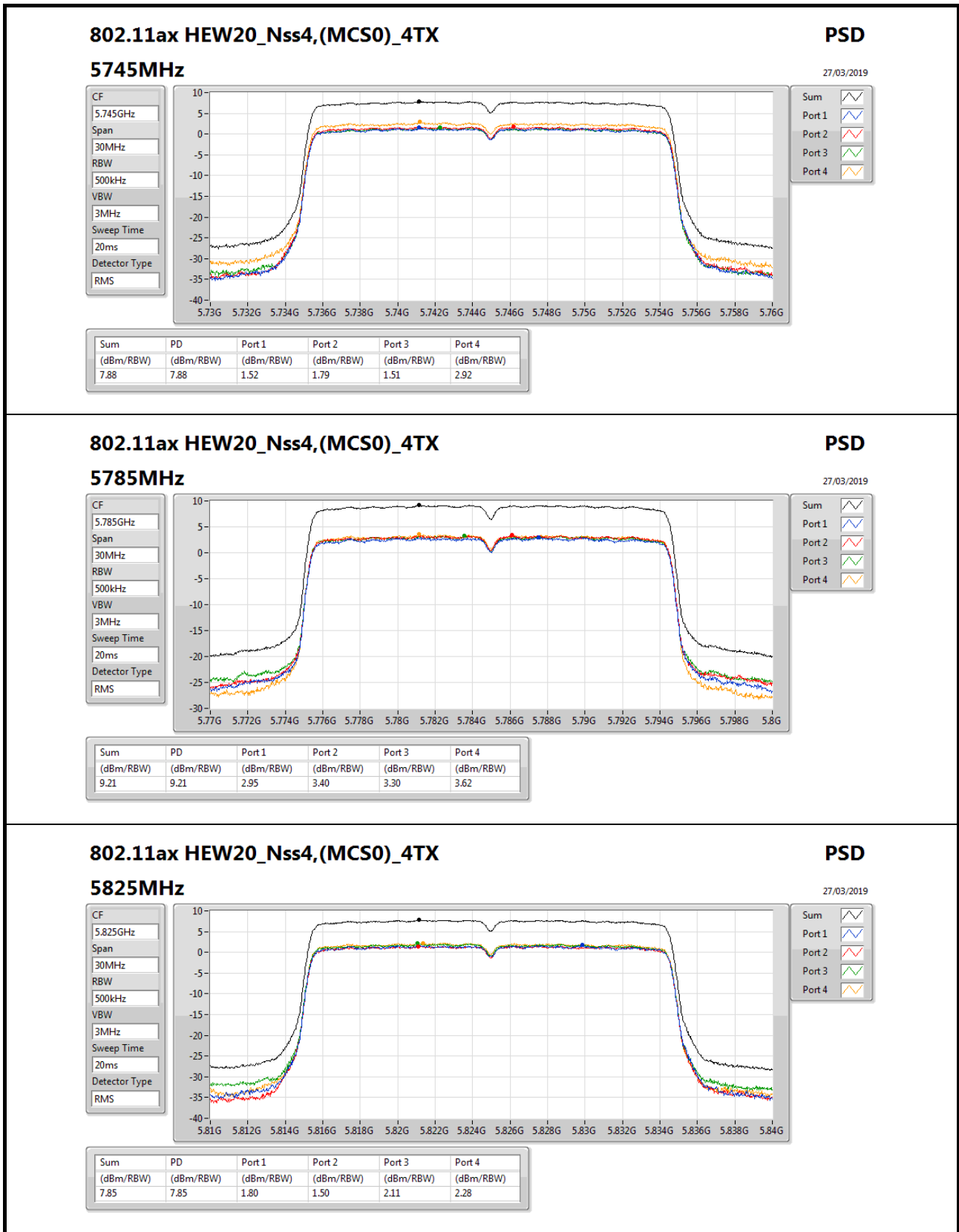
Result

Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.27	1.95	1.40	2.11	2.01	7.74	14.73
5200MHz	Pass	8.27	6.40	5.79	6.13	5.73	11.90	14.73
5240MHz	Pass	8.27	6.97	6.31	6.68	6.46	12.51	14.73
5745MHz	Pass	8.27	1.52	1.79	1.51	2.92	7.88	27.73
5785MHz	Pass	8.27	2.95	3.40	3.30	3.62	9.21	27.73
5825MHz	Pass	8.27	1.80	1.50	2.11	2.28	7.85	27.73
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.27	-2.76	-3.27	-2.42	-2.93	3.04	14.73
5230MHz	Pass	8.27	0.91	0.91	1.33	0.79	6.91	14.73
5755MHz	Pass	8.27	-0.40	-0.39	0.07	0.53	5.80	27.73
5795MHz	Pass	8.27	-0.06	-0.23	-0.67	0.22	5.69	27.73
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.27	-5.37	-5.55	-4.87	-5.39	0.48	14.73
5775MHz	Pass	8.27	-2.70	-3.29	-3.16	-2.58	2.94	27.73

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

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





802.11ax HEW20_Nss4,(MCS0)_4TX

5825MHz

PSD
27/03/2019

CF
5.825GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

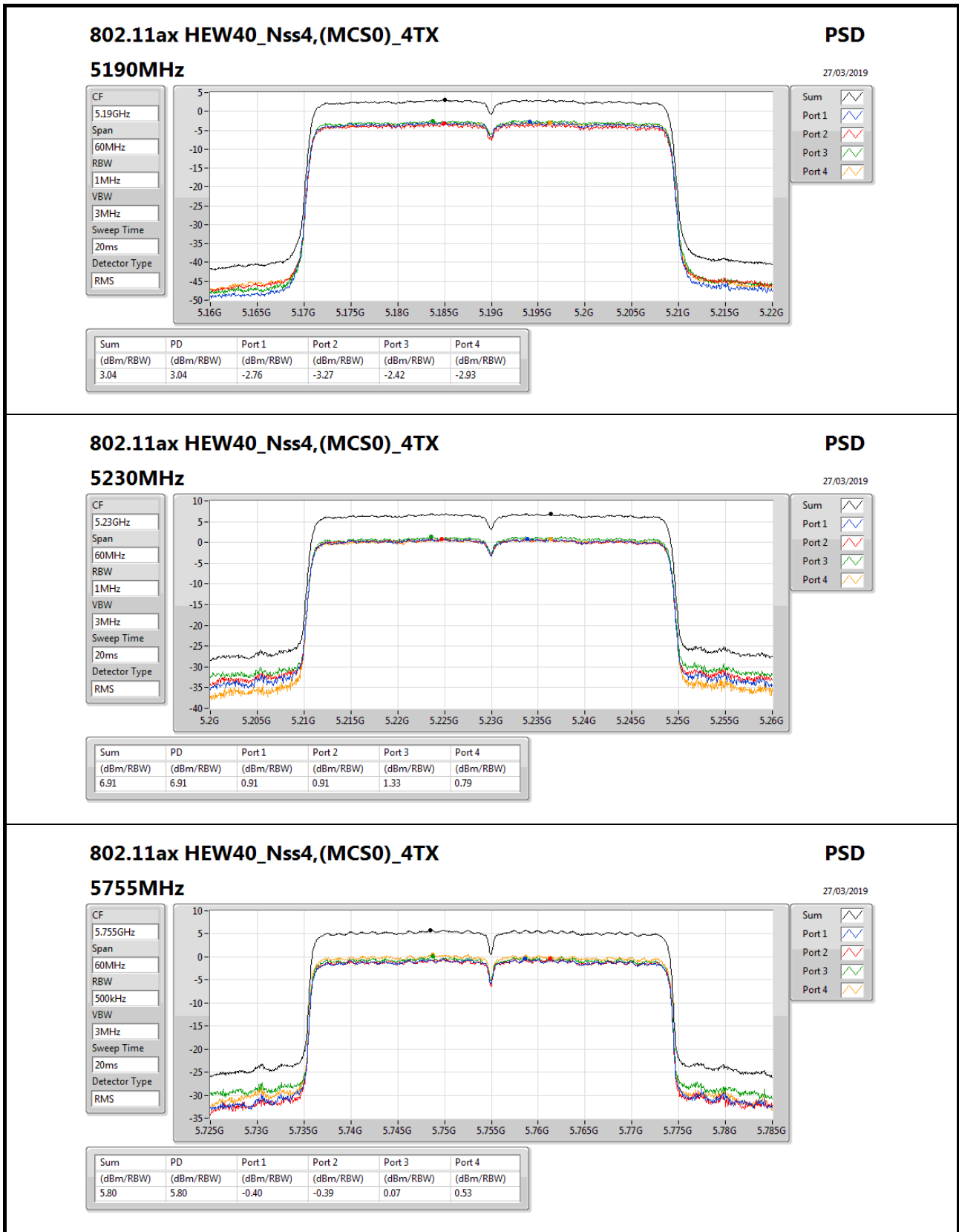
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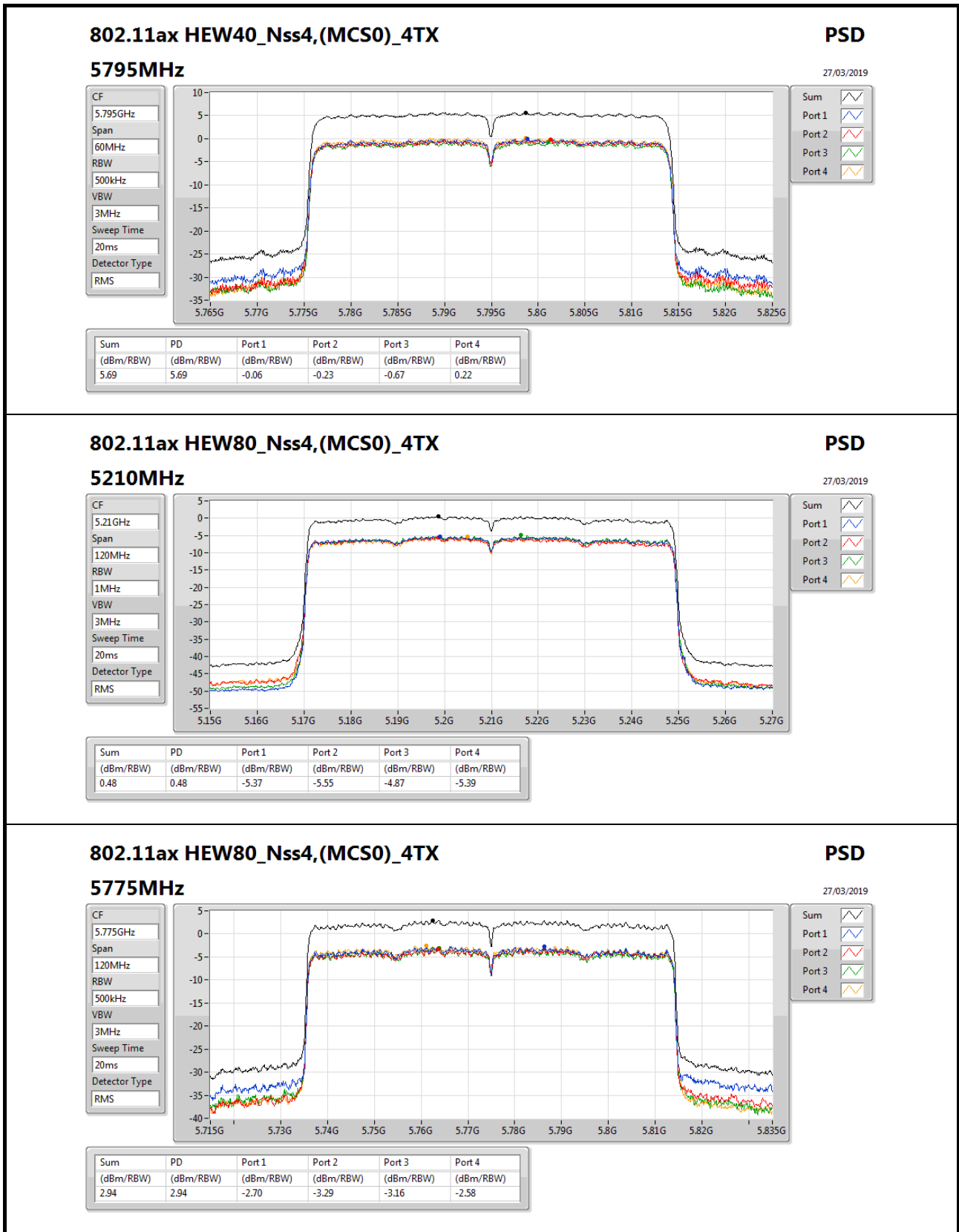
Port 1

Port 2

Port 3

Port 4







**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	2.52
802.11ax HEW20_Nss1,(MCS0)_1TX	1.88
802.11ax HEW40_Nss1,(MCS0)_1TX	-0.73
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.76

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

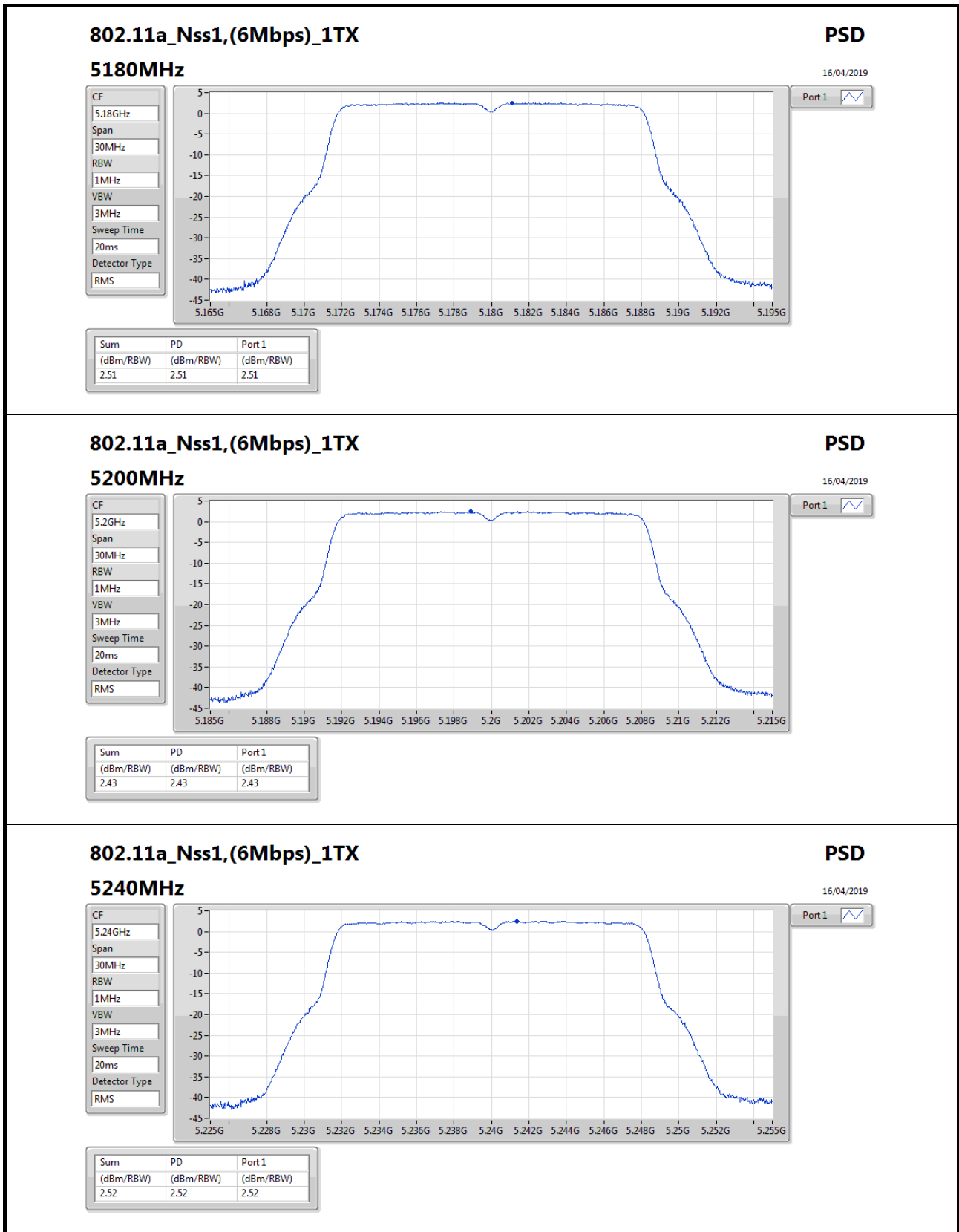


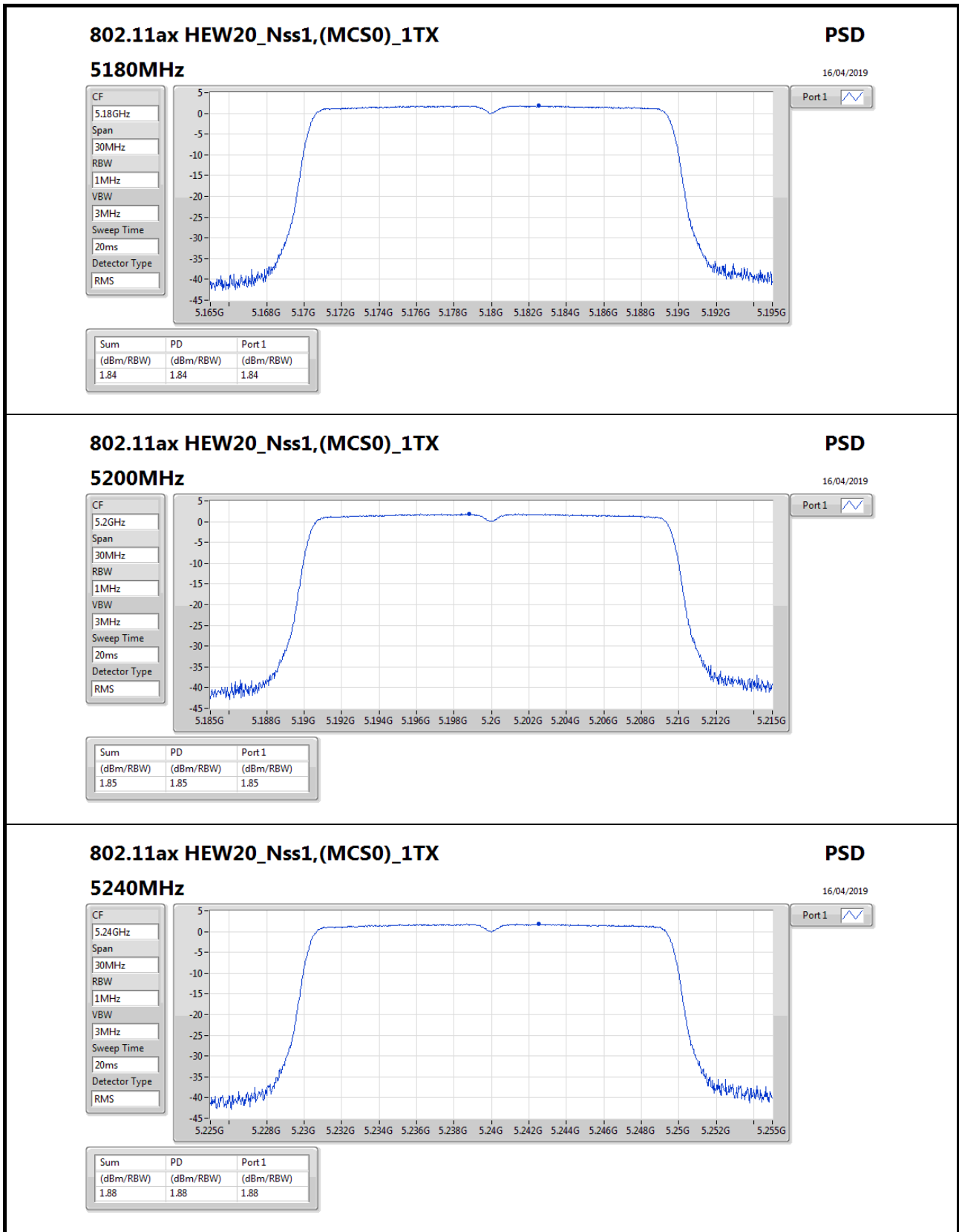
Result

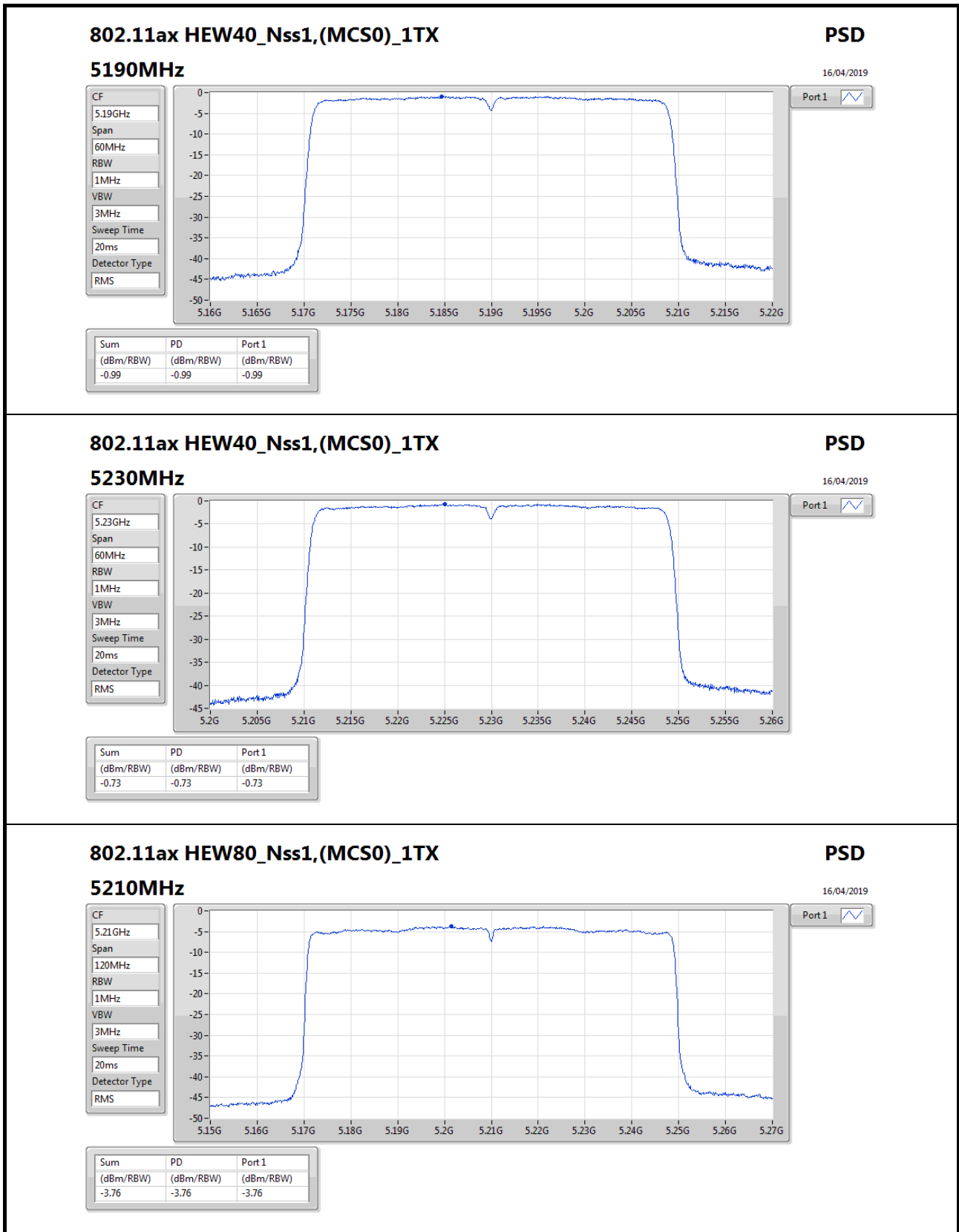
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	8.27	2.51	2.51	14.73
5200MHz	Pass	8.27	2.43	2.43	14.73
5240MHz	Pass	8.27	2.52	2.52	14.73
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	8.27	1.84	1.84	14.73
5200MHz	Pass	8.27	1.85	1.85	14.73
5240MHz	Pass	8.27	1.88	1.88	14.73
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	8.27	-0.99	-0.99	14.73
5230MHz	Pass	8.27	-0.73	-0.73	14.73
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	8.27	-3.76	-3.76	14.73

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

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









**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	1.95
802.11ax HEW40_Nss2,(MCS0)_2TX	-0.92
802.11ax HEW80_Nss2,(MCS0)_2TX	-3.31

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

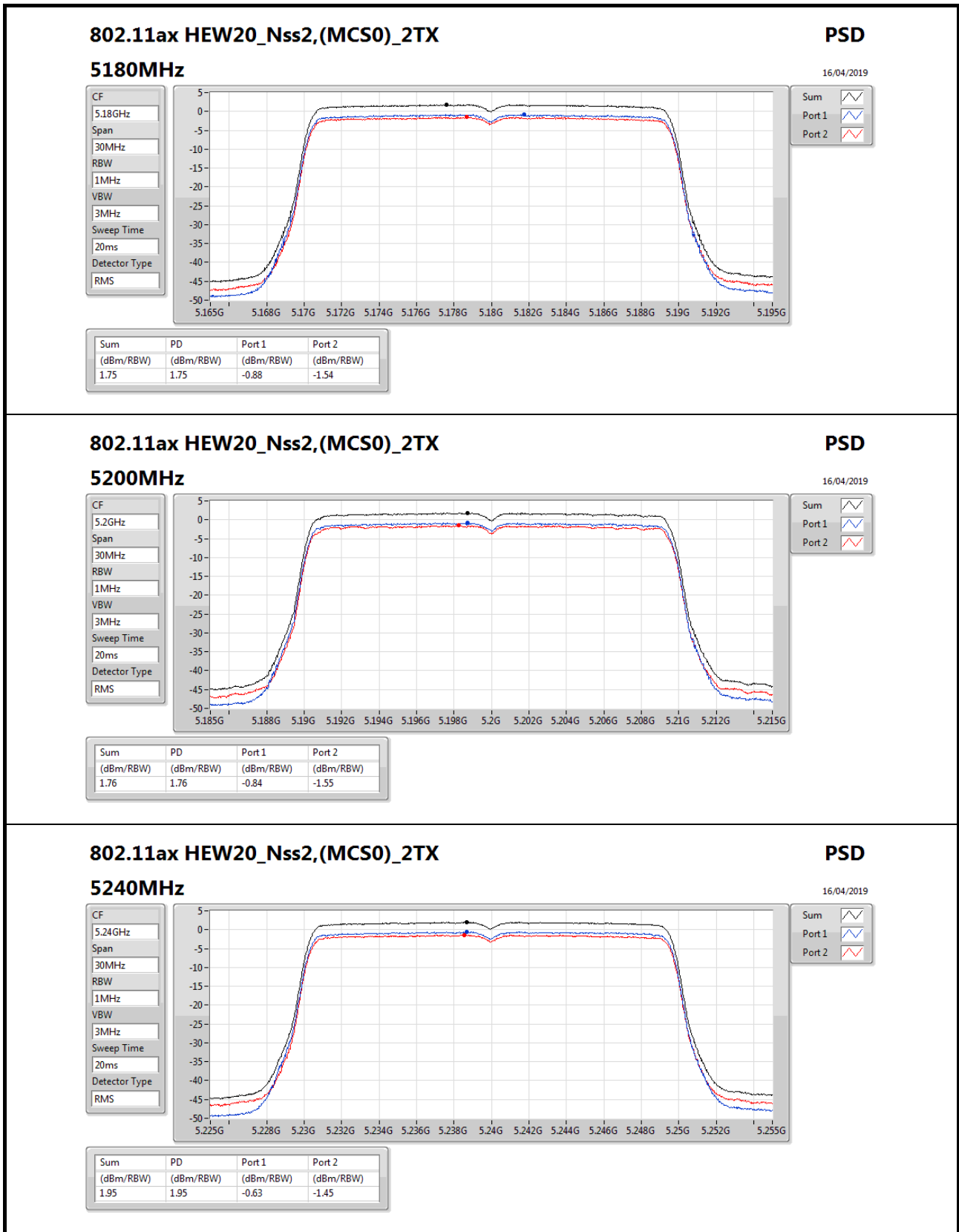


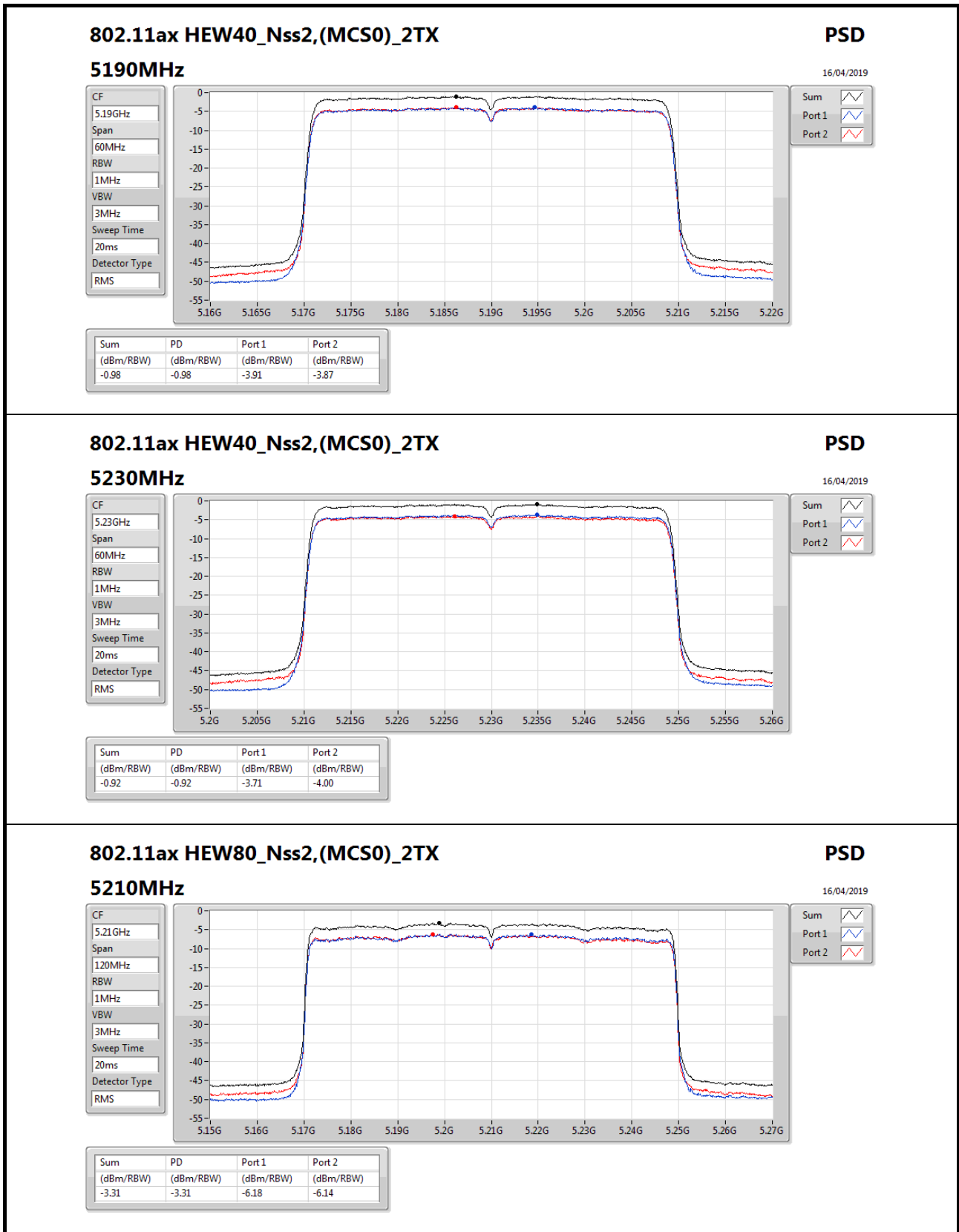
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	8.27	-0.88	-1.54	1.75	14.73
5200MHz	Pass	8.27	-0.84	-1.55	1.76	14.73
5240MHz	Pass	8.27	-0.63	-1.45	1.95	14.73
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	8.27	-3.91	-3.87	-0.98	14.73
5230MHz	Pass	8.27	-3.71	-4.00	-0.92	14.73
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	8.27	-6.18	-6.14	-3.31	14.73

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

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







**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	2.49
802.11ax HEW20_Nss1,(MCS0)_4TX	1.93
802.11ax HEW40_Nss1,(MCS0)_4TX	-1.07
802.11ax HEW80_Nss1,(MCS0)_4TX	-3.71

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

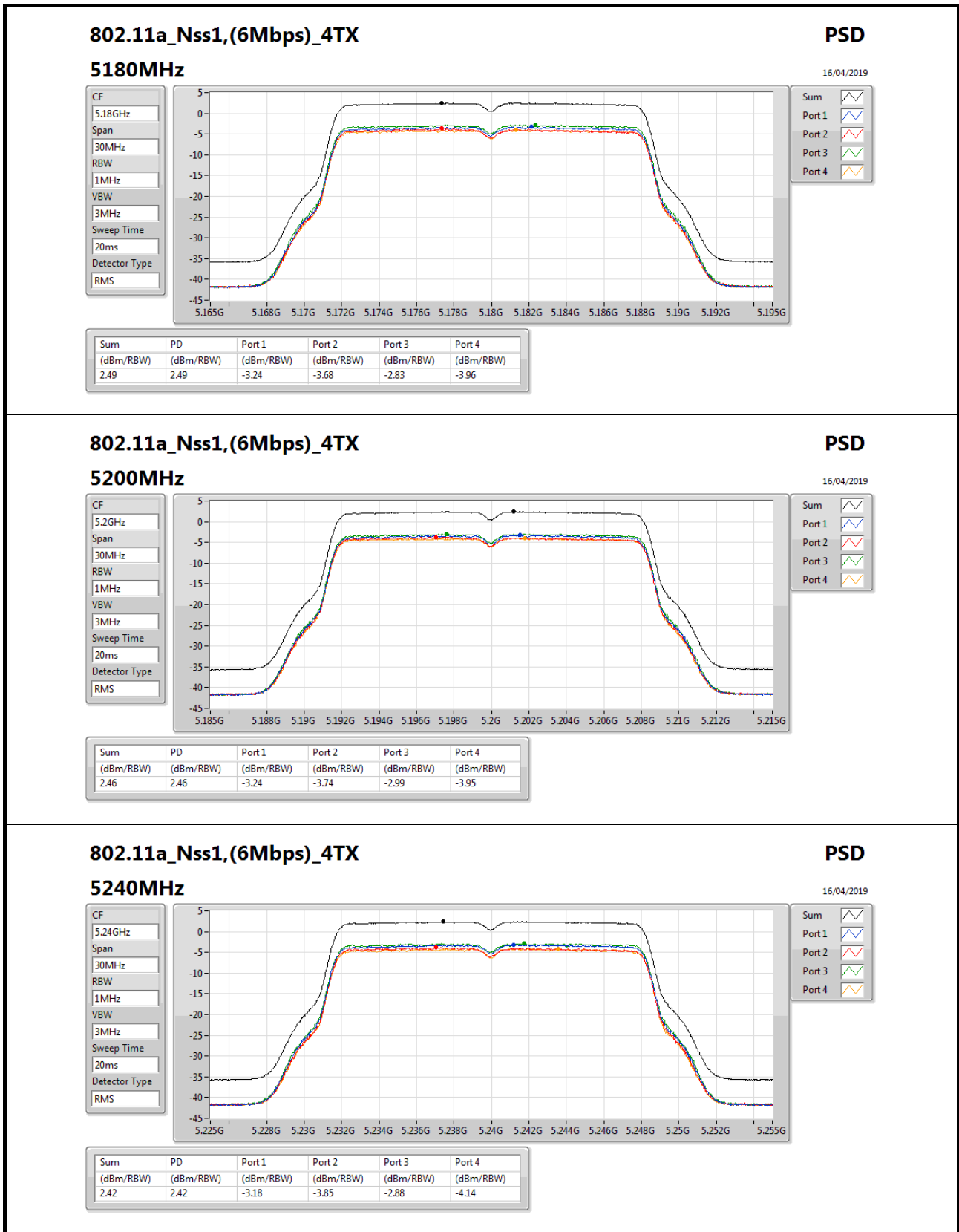


Result

Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.29	-3.24	-3.68	-2.83	-3.96	2.49	8.71
5200MHz	Pass	14.29	-3.24	-3.74	-2.99	-3.95	2.46	8.71
5240MHz	Pass	14.29	-3.18	-3.85	-2.88	-4.14	2.42	8.71
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.29	-3.96	-4.76	-3.22	-4.29	1.93	8.71
5200MHz	Pass	14.29	-3.81	-4.85	-3.37	-4.46	1.86	8.71
5240MHz	Pass	14.29	-3.90	-4.93	-3.42	-4.67	1.75	8.71
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.29	-7.08	-7.35	-6.48	-7.05	-1.07	8.71
5230MHz	Pass	14.29	-7.41	-7.71	-6.22	-7.15	-1.15	8.71
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.29	-9.76	-9.76	-9.47	-9.75	-3.71	8.71

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

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



802.11a_Nss1,(6Mbps)_4TX

5240MHz

PSD

16/04/2019

CF
5.24GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

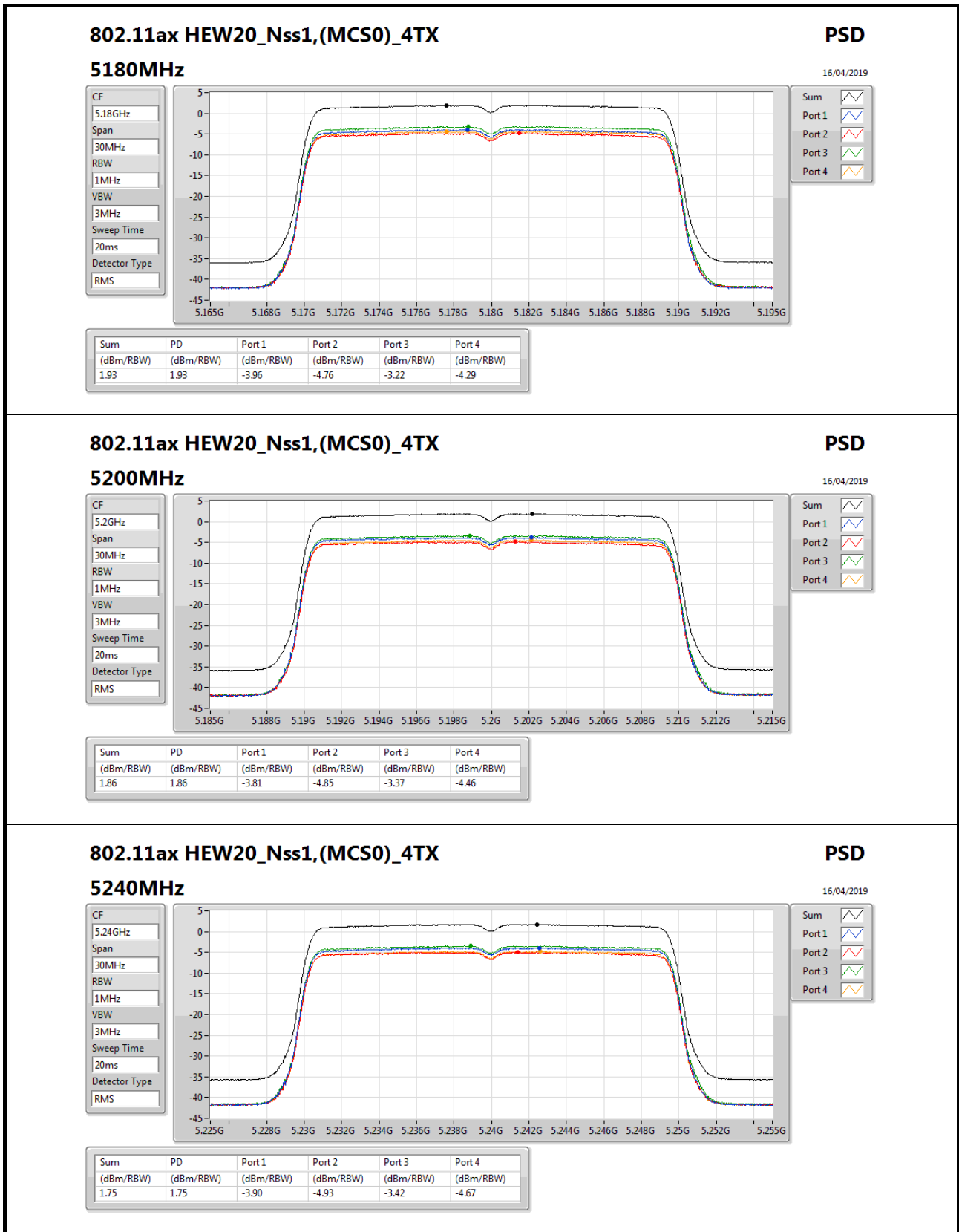
Sum

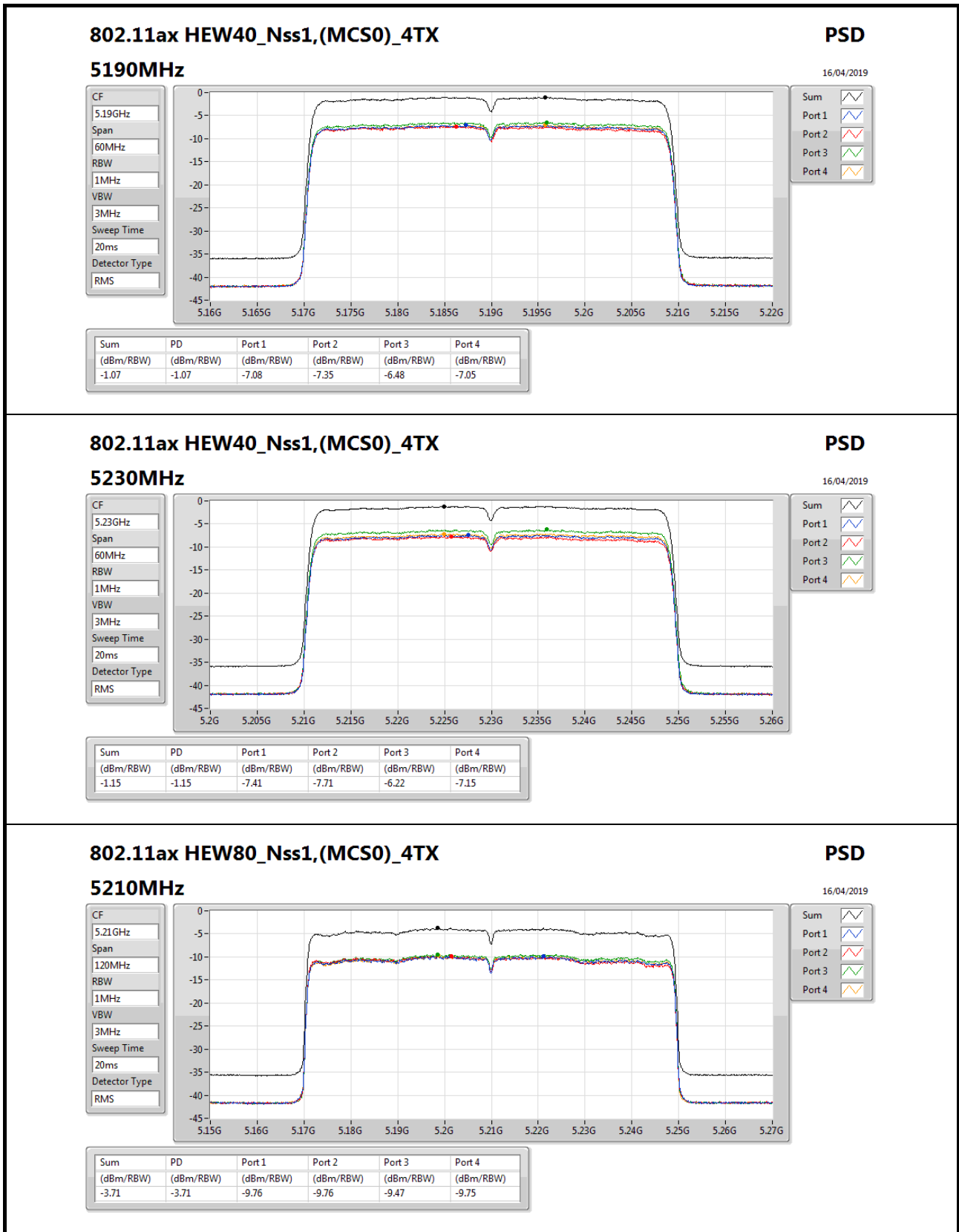
Port 1

Port 2

Port 3

Port 4







**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-4.11
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-6.84
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-9.86

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

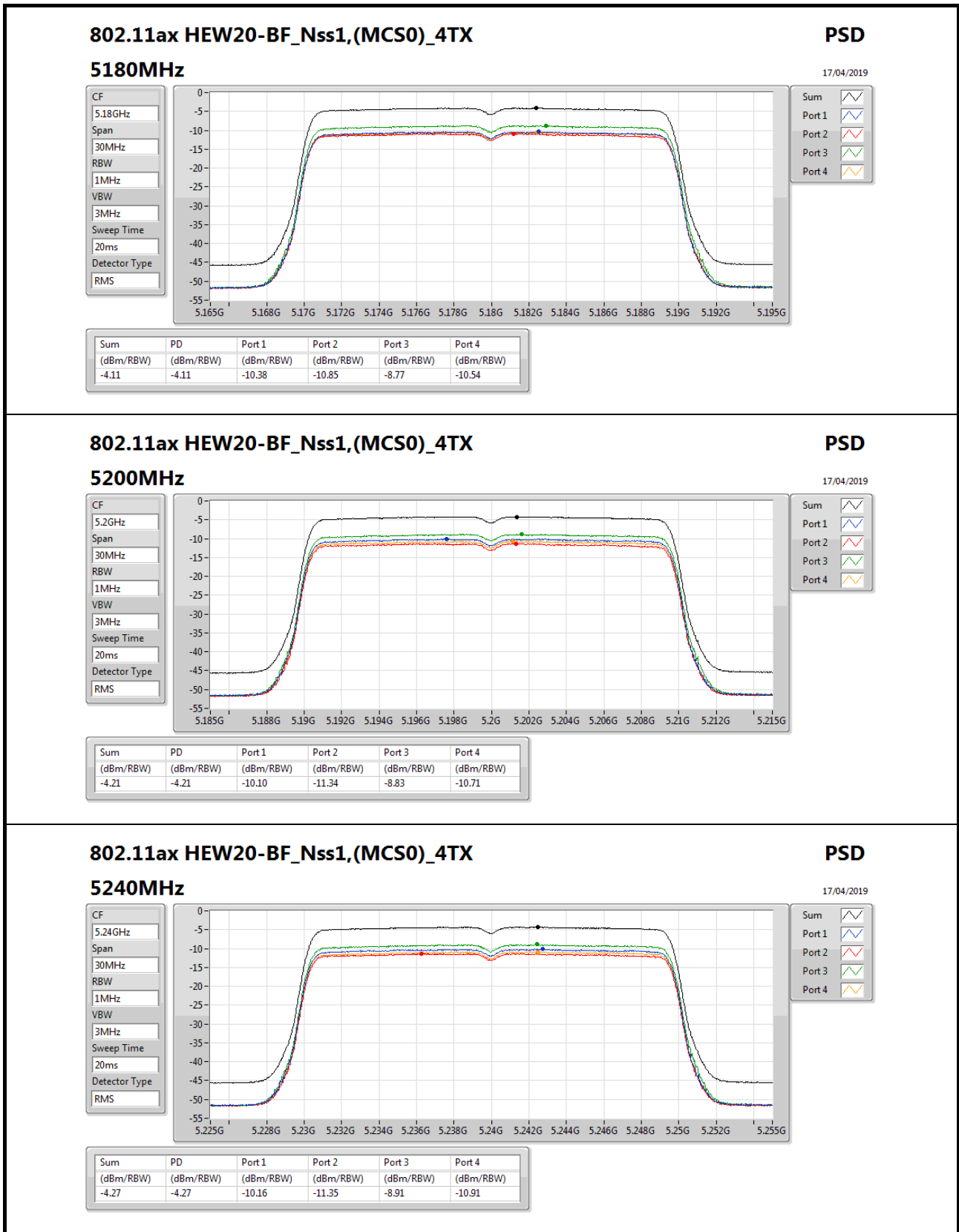


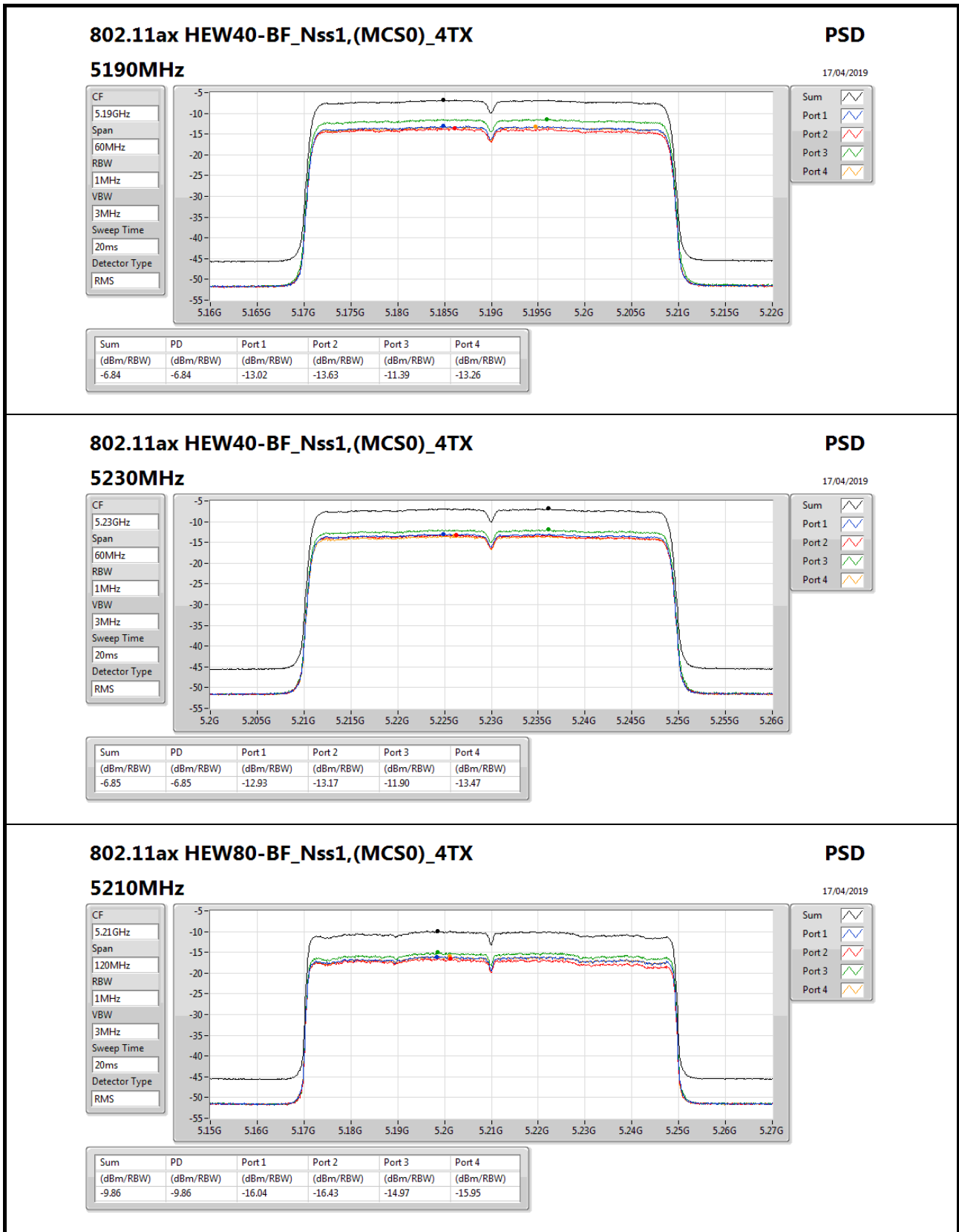
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	14.29	-10.38	-10.85	-8.77	-10.54	-4.11	8.71
5200MHz	Pass	14.29	-10.10	-11.34	-8.83	-10.71	-4.21	8.71
5240MHz	Pass	14.29	-10.16	-11.35	-8.91	-10.91	-4.27	8.71
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	14.29	-13.02	-13.63	-11.39	-13.26	-6.84	8.71
5230MHz	Pass	14.29	-12.93	-13.17	-11.90	-13.47	-6.85	8.71
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	14.29	-16.04	-16.43	-14.97	-15.95	-9.86	8.71

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

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





802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz

PSD
17/04/2019

CF
5.21GHz

Span
120MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

Sum

Port 1

Port 2

Port 3

Port 4



**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	2.14
802.11ax HEW40_Nss4,(MCS0)_4TX	-0.85
802.11ax HEW80_Nss4,(MCS0)_4TX	-3.39

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

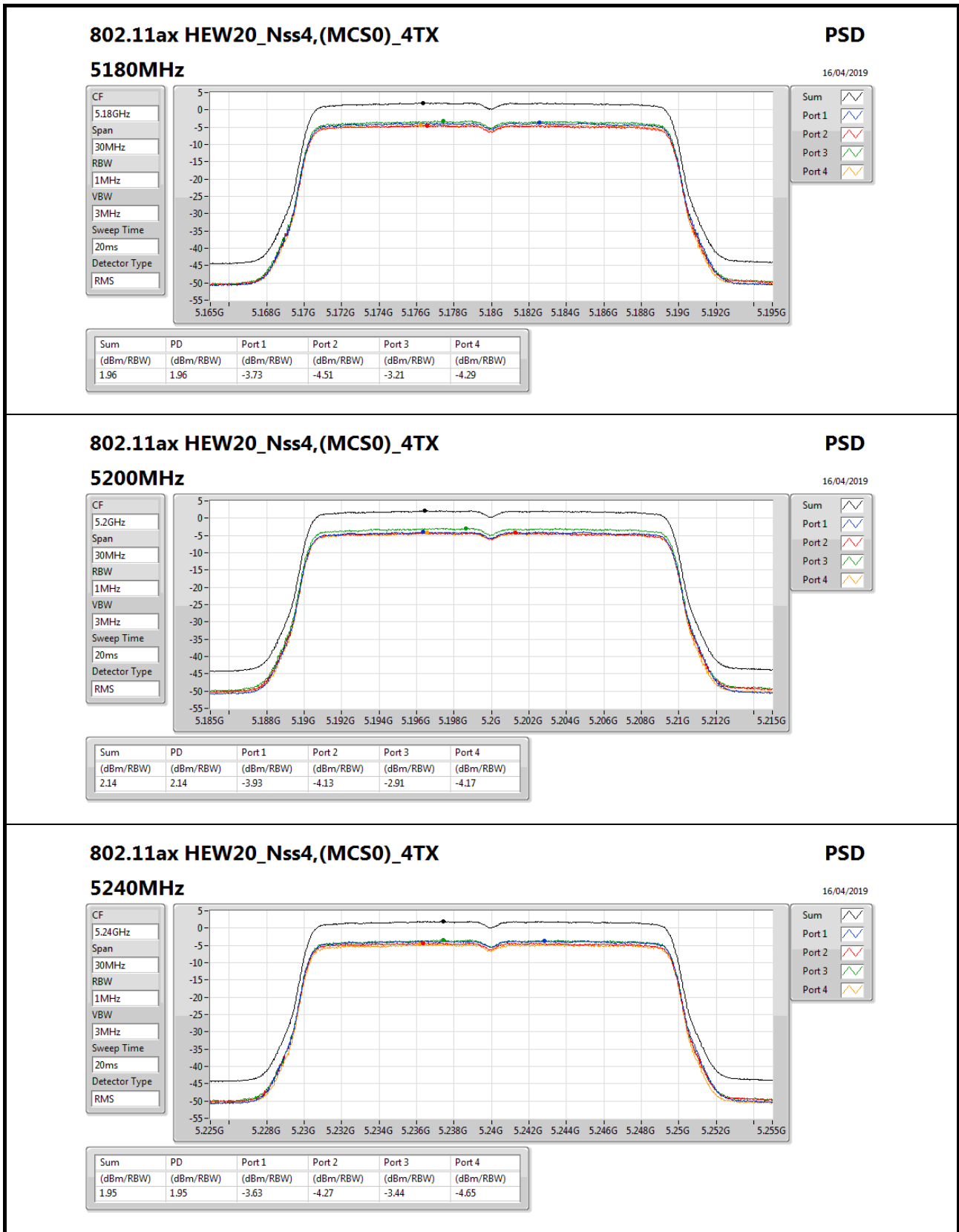


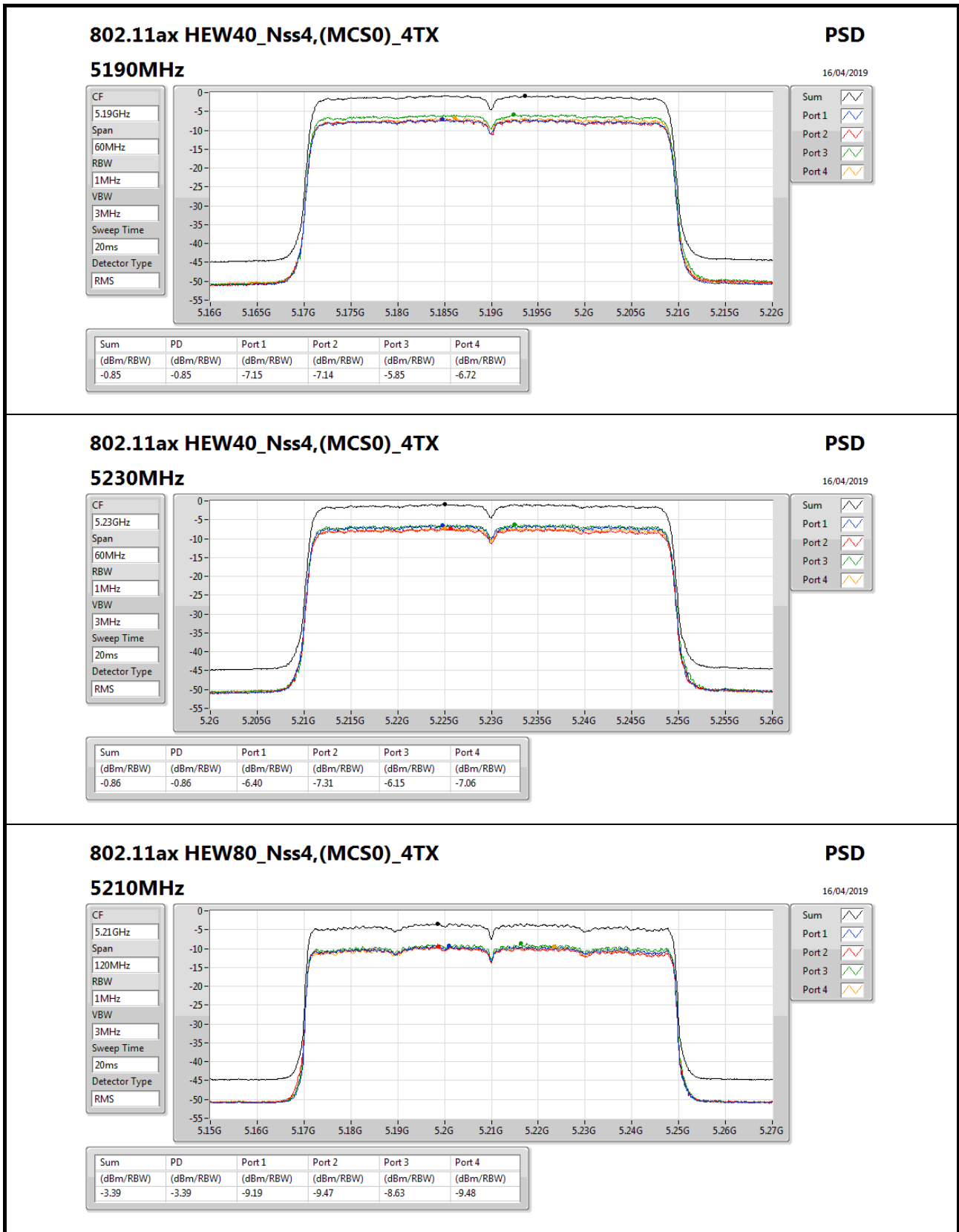
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.27	-3.73	-4.51	-3.21	-4.29	1.96	14.73
5200MHz	Pass	8.27	-3.93	-4.13	-2.91	-4.17	2.14	14.73
5240MHz	Pass	8.27	-3.63	-4.27	-3.44	-4.65	1.95	14.73
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.27	-7.15	-7.14	-5.85	-6.72	-0.85	14.73
5230MHz	Pass	8.27	-6.40	-7.31	-6.15	-7.06	-0.86	14.73
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.27	-9.19	-9.47	-8.63	-9.48	-3.39	14.73

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

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







**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.33
802.11ax HEW20_Nss1,(MCS0)_1TX	7.68
802.11ax HEW40_Nss1,(MCS0)_1TX	4.58
802.11ax HEW80_Nss1,(MCS0)_1TX	-2.40
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	0.98
802.11ax HEW20_Nss1,(MCS0)_1TX	1.52
802.11ax HEW40_Nss1,(MCS0)_1TX	-0.27
802.11ax HEW80_Nss1,(MCS0)_1TX	-0.99

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

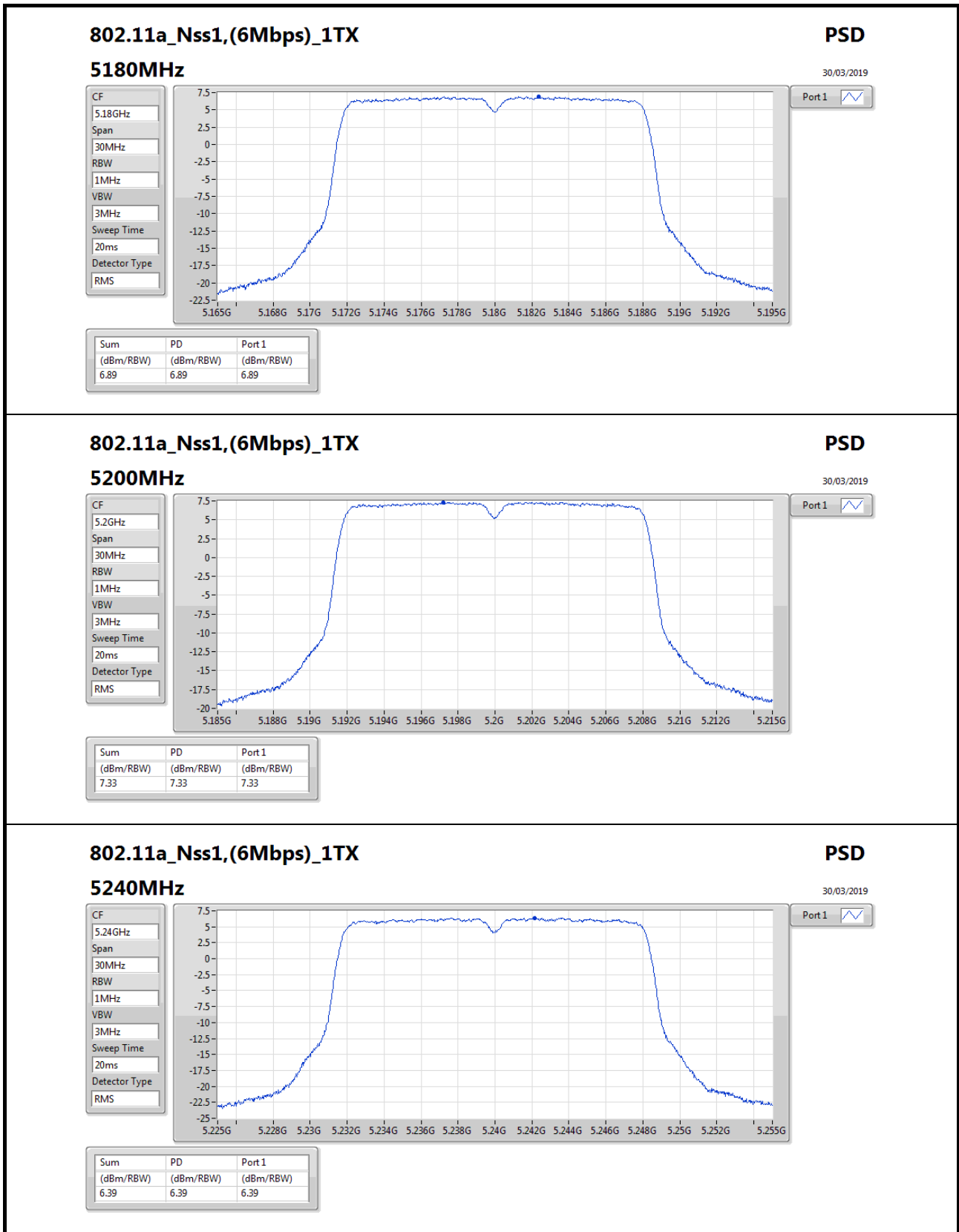


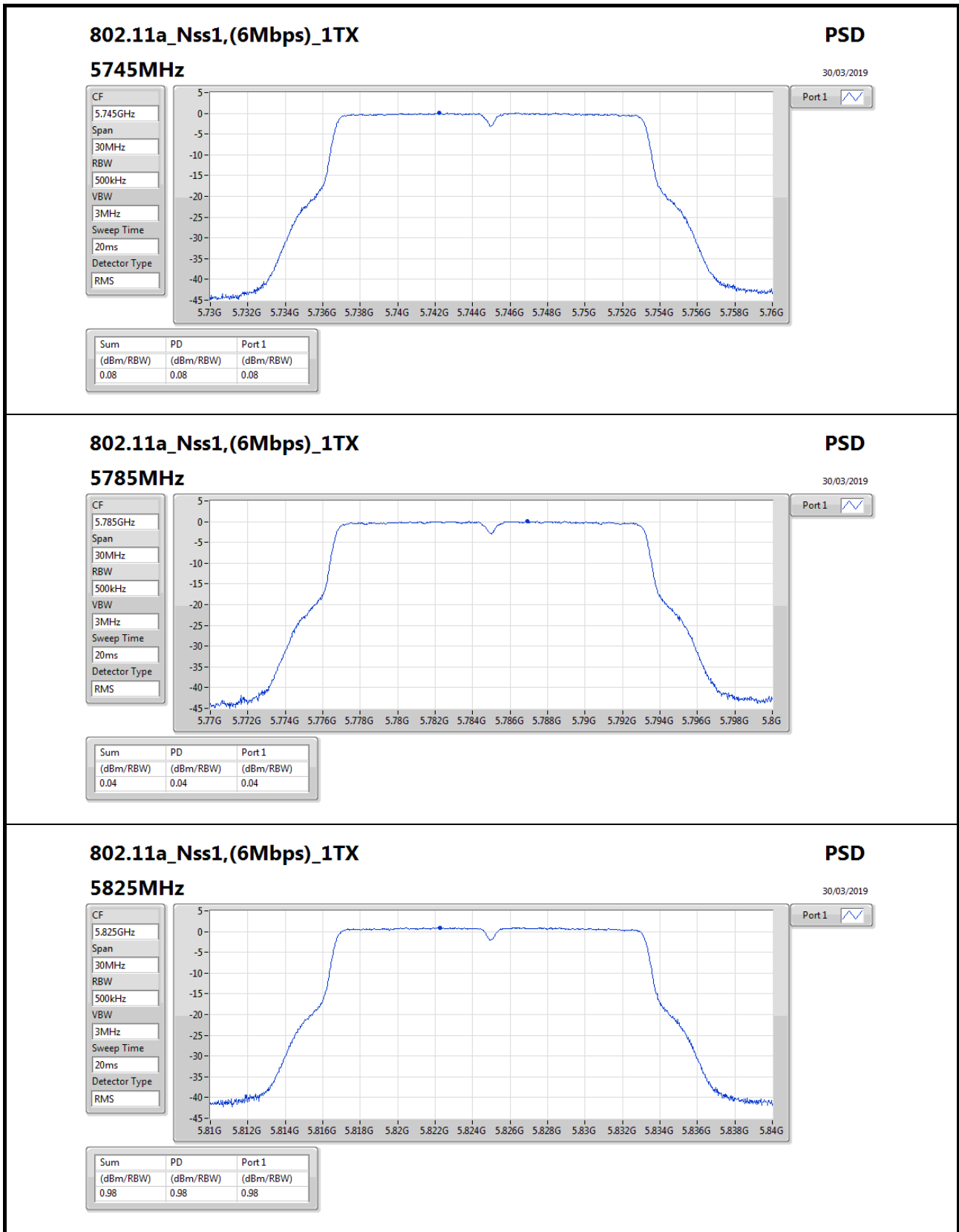
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	6.16	6.89	6.89	16.84
5200MHz	Pass	6.16	7.33	7.33	16.84
5240MHz	Pass	6.16	6.39	6.39	16.84
5745MHz	Pass	6.16	0.08	0.08	29.84
5785MHz	Pass	6.16	0.04	0.04	29.84
5825MHz	Pass	6.16	0.98	0.98	29.84
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	6.16	6.29	6.29	16.84
5200MHz	Pass	6.16	7.68	7.68	16.84
5240MHz	Pass	6.16	6.71	6.71	16.84
5745MHz	Pass	6.16	0.57	0.57	29.84
5785MHz	Pass	6.16	1.52	1.52	29.84
5825MHz	Pass	6.16	0.09	0.09	29.84
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	6.16	0.72	0.72	16.84
5230MHz	Pass	6.16	4.58	4.58	16.84
5755MHz	Pass	6.16	-0.68	-0.68	29.84
5795MHz	Pass	6.16	-0.27	-0.27	29.84
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	6.16	-2.40	-2.40	16.84
5775MHz	Pass	6.16	-0.99	-0.99	29.84

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

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





802.11a_Nss1,(6Mbps)_1TX

5825MHz

PSD

30/03/2019

CF
5.825GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

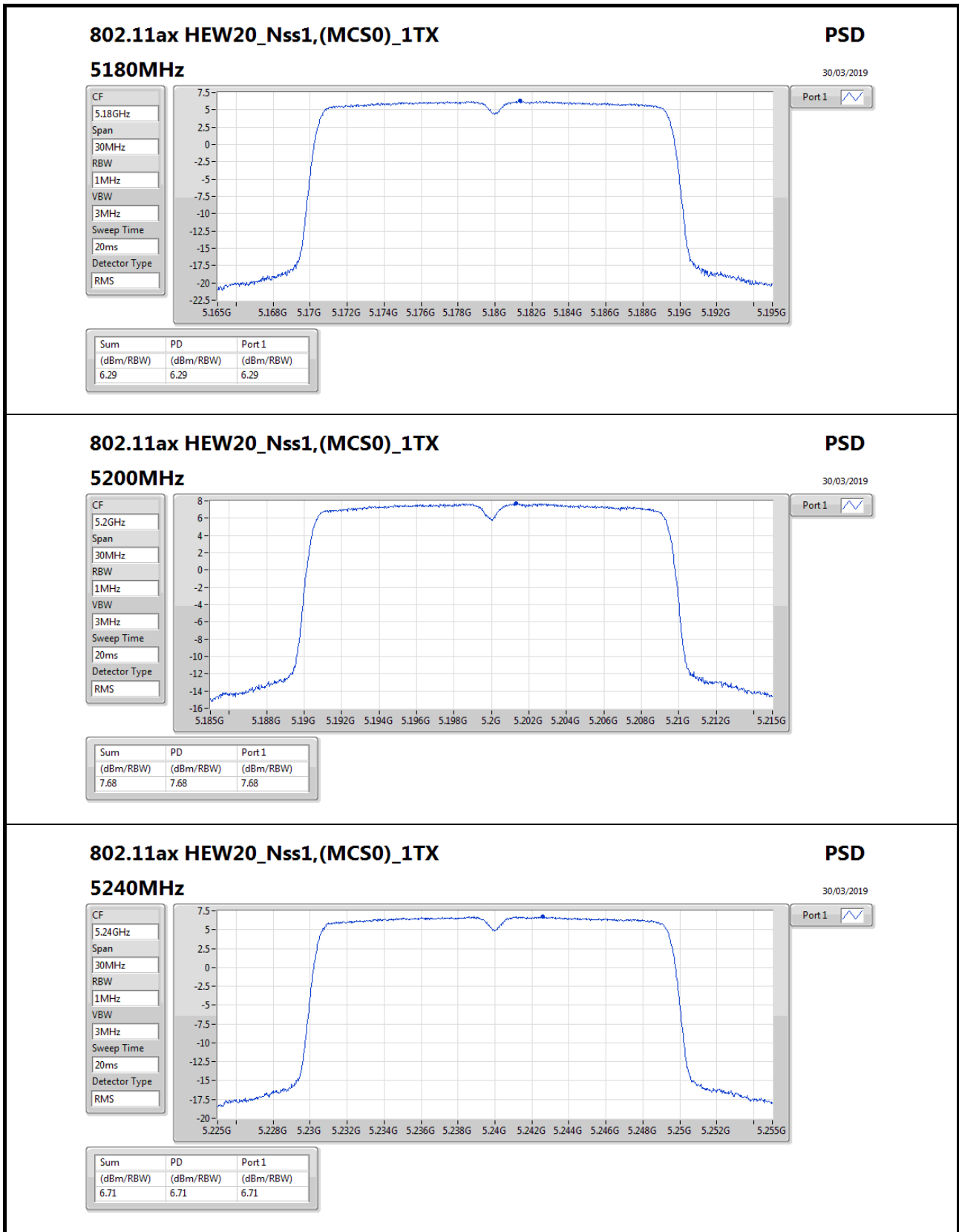
Sweep Time
20ms

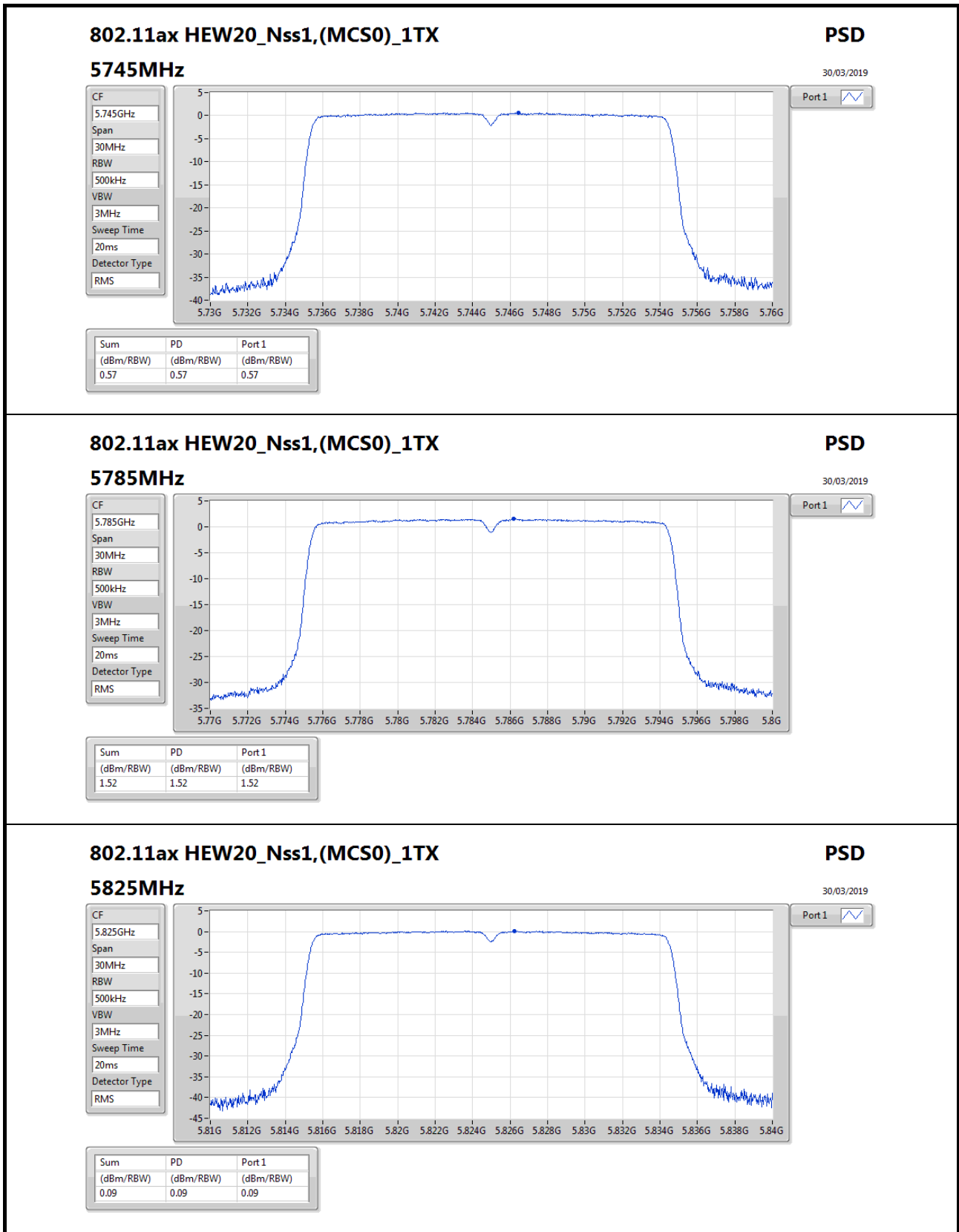
Detector Type
RMS

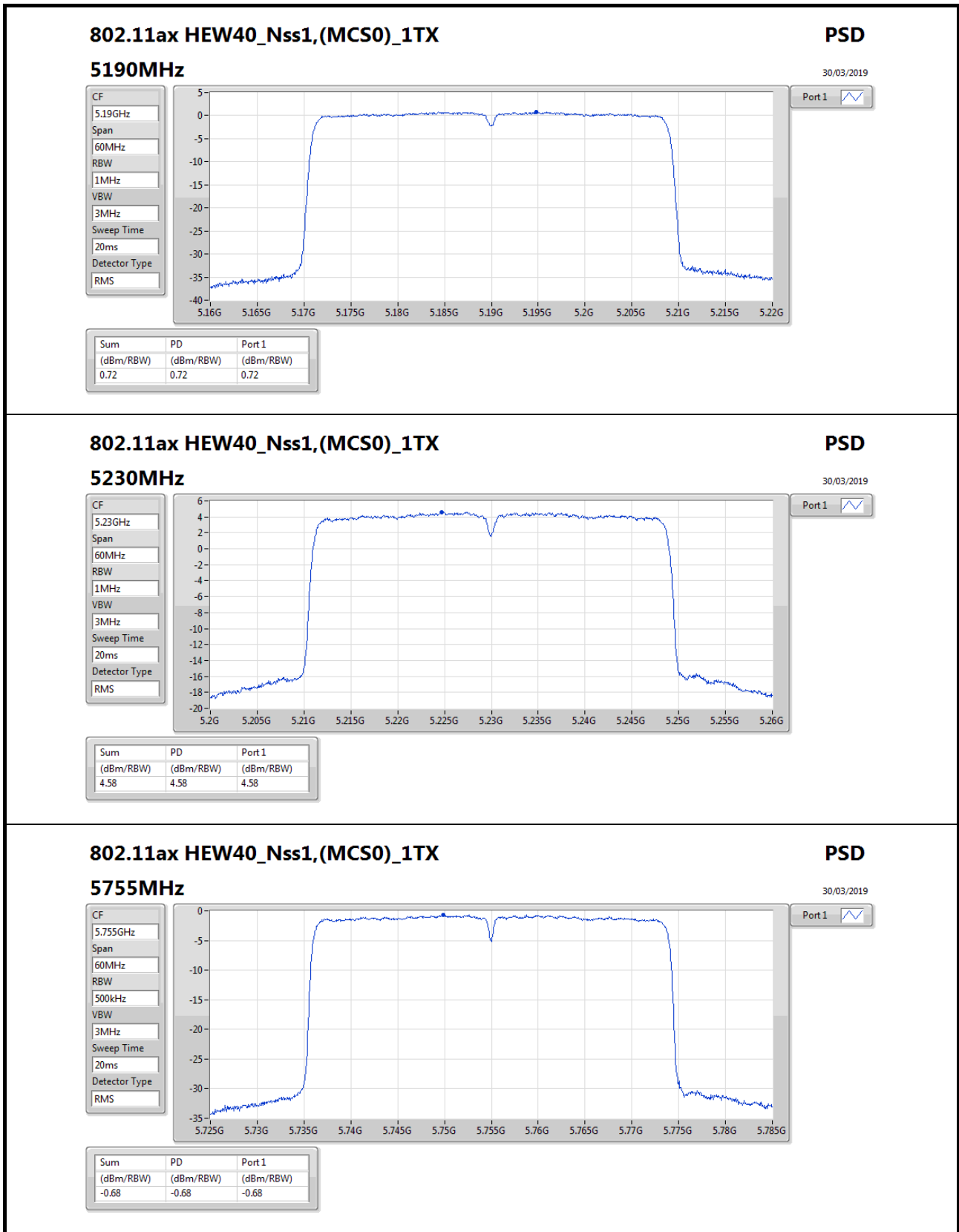


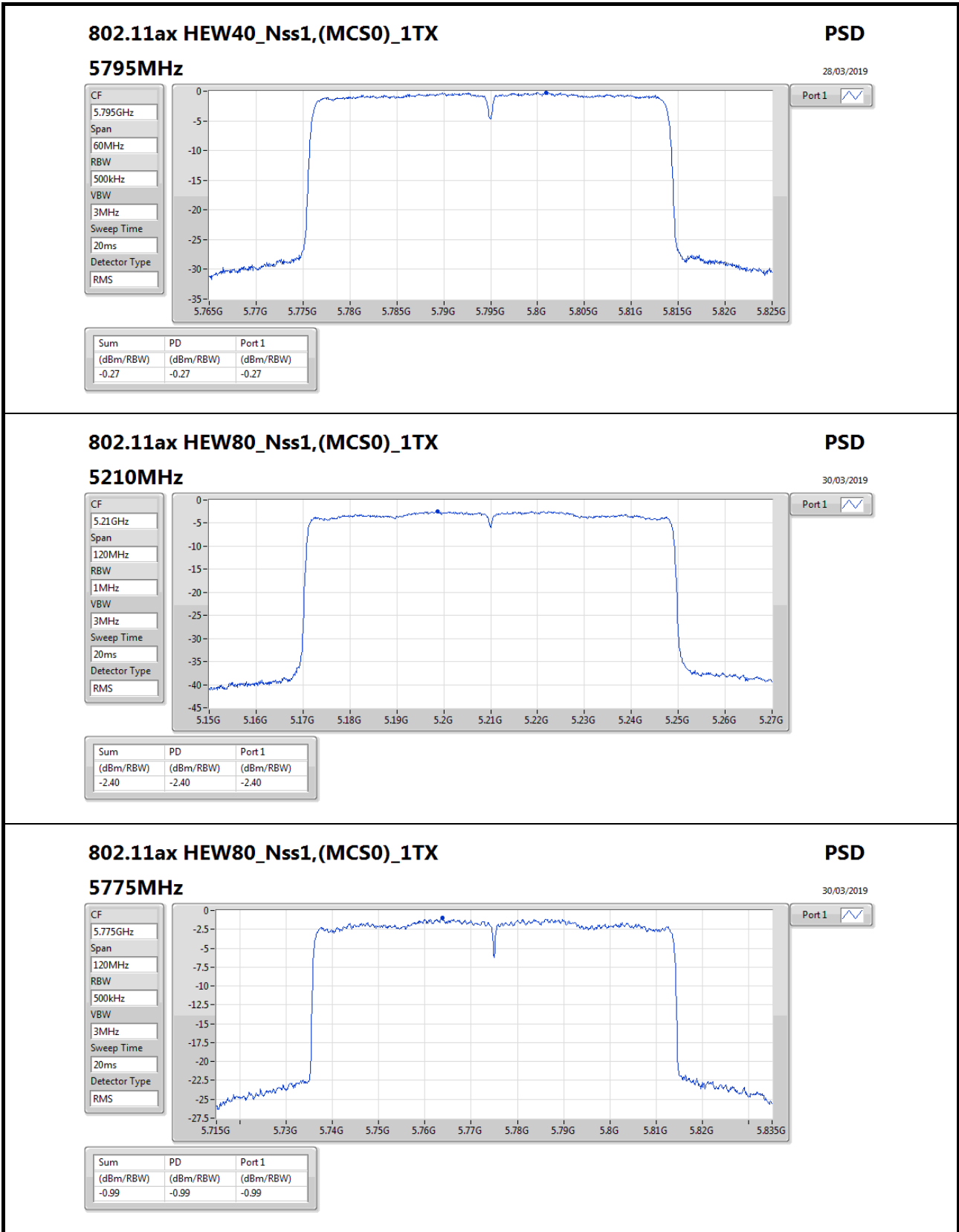
Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.98	0.98	0.98











**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	10.58
802.11ax HEW40_Nss2,(MCS0)_2TX	7.03
802.11ax HEW80_Nss2,(MCS0)_2TX	-0.67
5.725-5.85GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	4.10
802.11ax HEW40_Nss2,(MCS0)_2TX	2.69
802.11ax HEW80_Nss2,(MCS0)_2TX	2.21

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

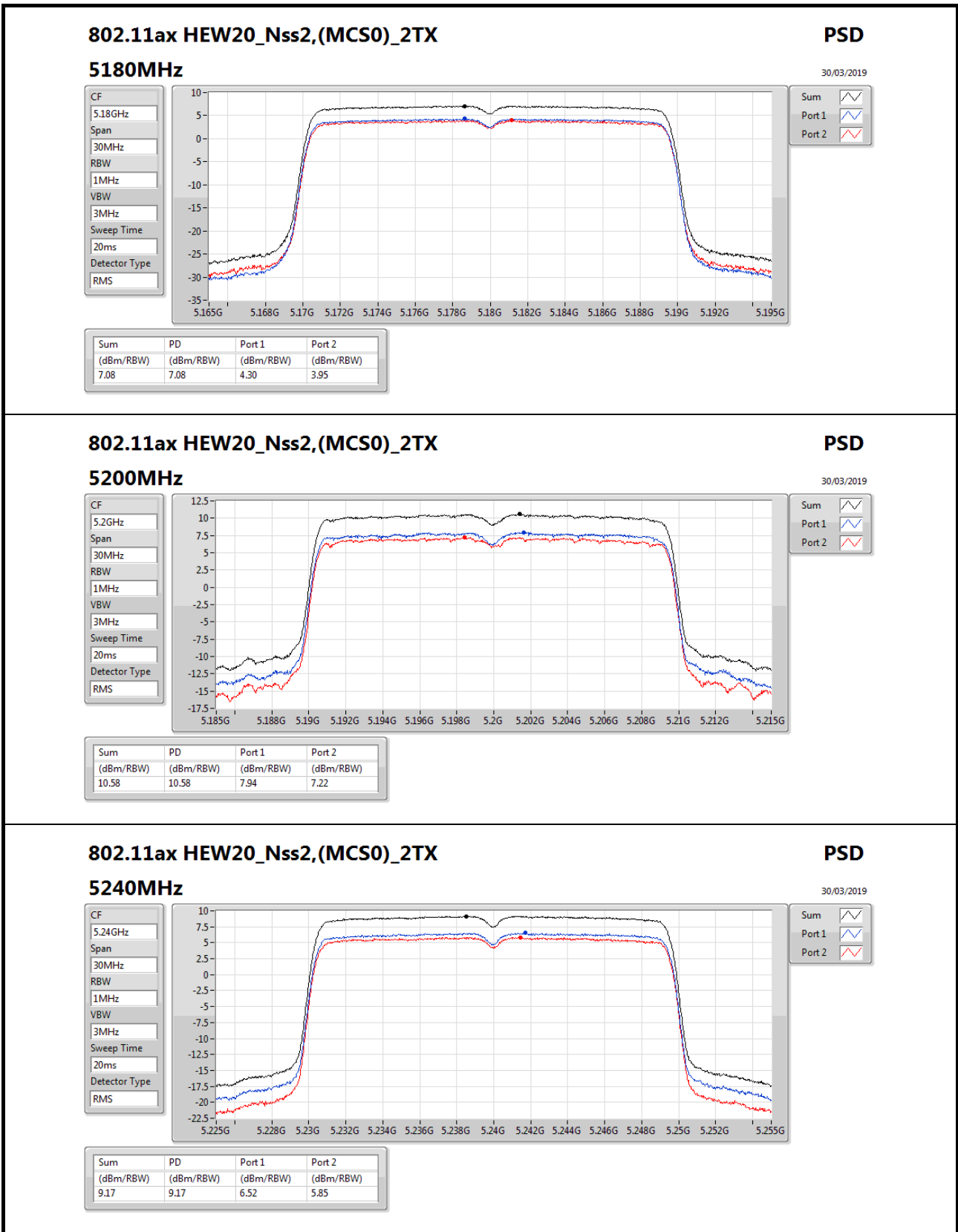


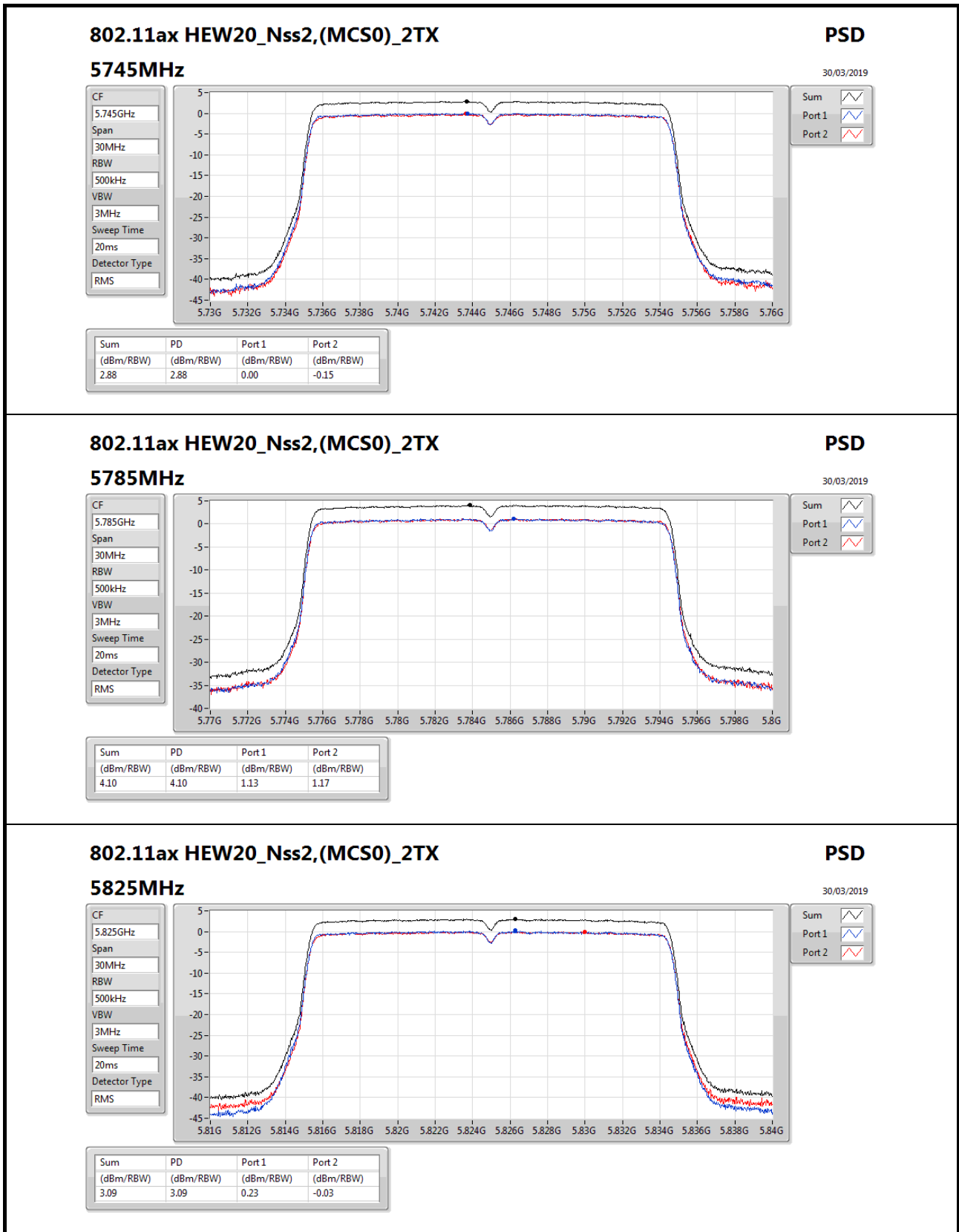
Result

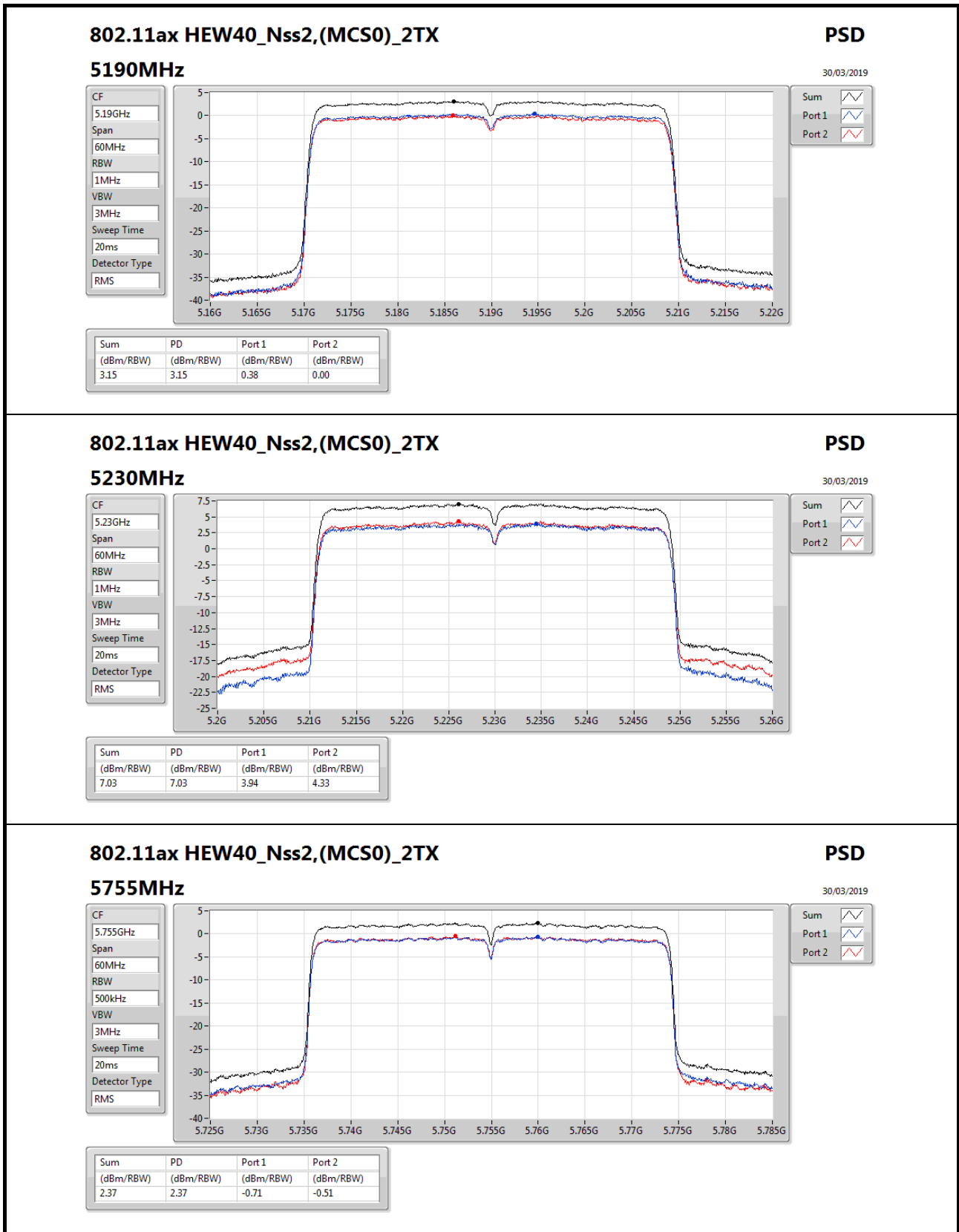
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.16	4.30	3.95	7.08	16.84
5200MHz	Pass	6.16	7.94	7.22	10.58	16.84
5240MHz	Pass	6.16	6.52	5.85	9.17	16.84
5745MHz	Pass	6.16	0.00	-0.15	2.88	29.84
5785MHz	Pass	6.16	1.13	1.17	4.10	29.84
5825MHz	Pass	6.16	0.23	-0.03	3.09	29.84
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.16	0.38	0.00	3.15	16.84
5230MHz	Pass	6.16	3.94	4.33	7.03	16.84
5755MHz	Pass	6.16	-0.71	-0.51	2.37	29.84
5795MHz	Pass	6.16	-0.57	0.07	2.69	29.84
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.16	-3.57	-3.64	-0.67	16.84
5775MHz	Pass	6.16	-0.60	-0.77	2.21	29.84

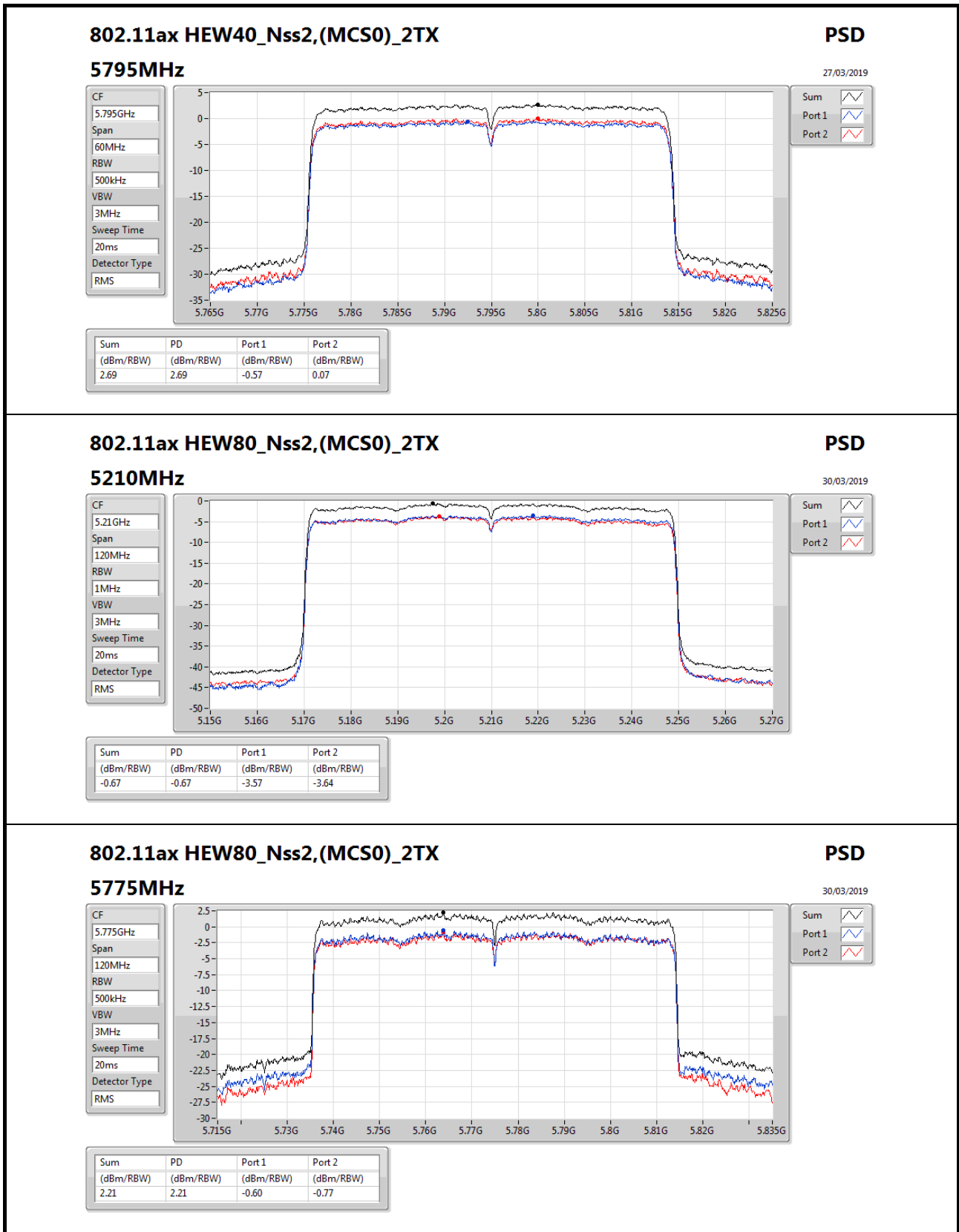
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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











**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.79
802.11ax HEW20_Nss1,(MCS0)_4TX	10.79
802.11ax HEW40_Nss1,(MCS0)_4TX	8.26
802.11ax HEW80_Nss1,(MCS0)_4TX	1.75
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	6.59
802.11ax HEW20_Nss1,(MCS0)_4TX	7.19
802.11ax HEW40_Nss1,(MCS0)_4TX	5.41
802.11ax HEW80_Nss1,(MCS0)_4TX	2.93

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

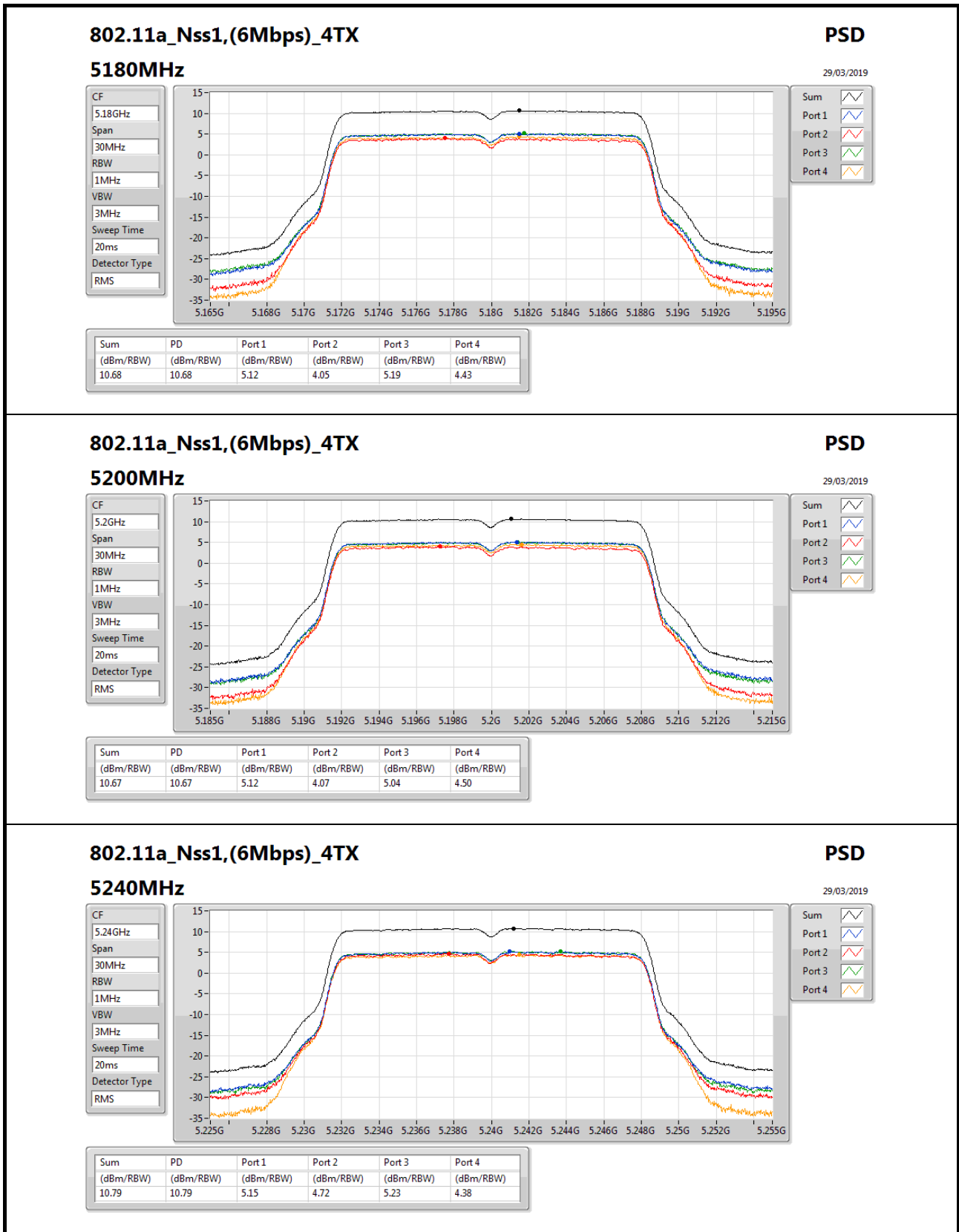


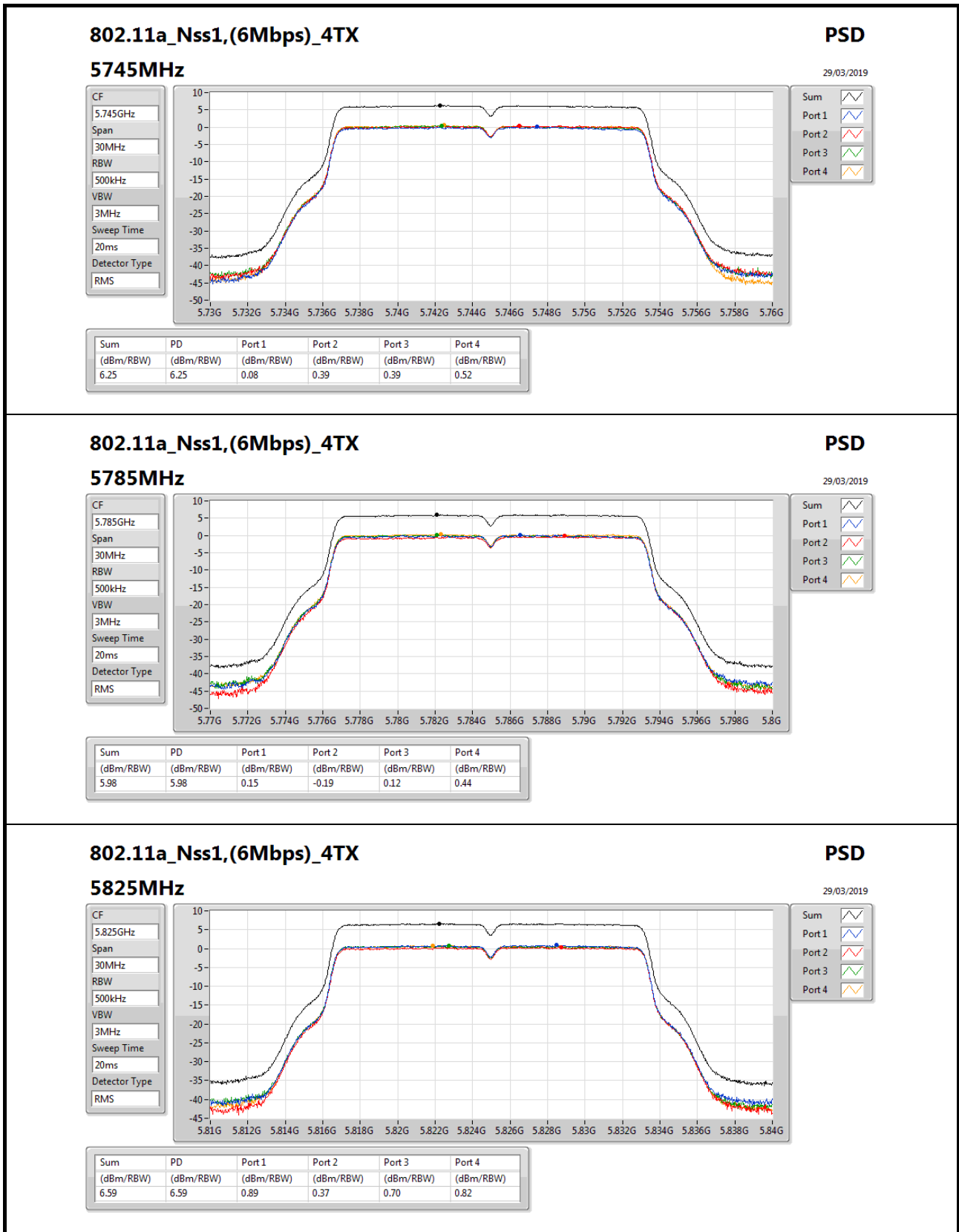
Result

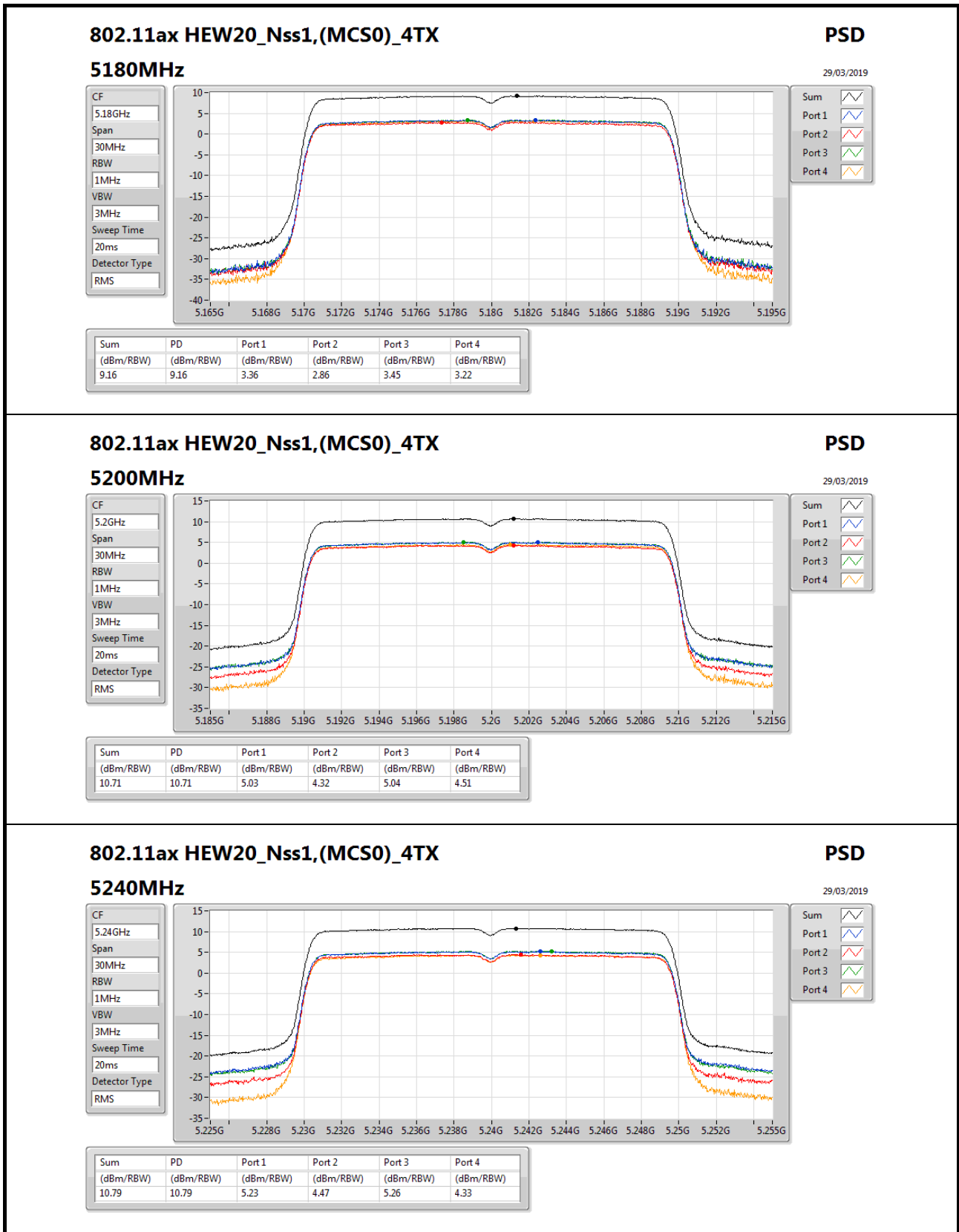
Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.18	5.12	4.05	5.19	4.43	10.68	10.82
5200MHz	Pass	12.18	5.12	4.07	5.04	4.50	10.67	10.82
5240MHz	Pass	12.18	5.15	4.72	5.23	4.38	10.79	10.82
5745MHz	Pass	12.18	0.08	0.39	0.39	0.52	6.25	23.82
5785MHz	Pass	12.18	0.15	-0.19	0.12	0.44	5.98	23.82
5825MHz	Pass	12.18	0.89	0.37	0.70	0.82	6.59	23.82
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.18	3.36	2.86	3.45	3.22	9.16	10.82
5200MHz	Pass	12.18	5.03	4.32	5.04	4.51	10.71	10.82
5240MHz	Pass	12.18	5.23	4.47	5.26	4.33	10.79	10.82
5745MHz	Pass	12.18	0.00	0.04	0.27	0.60	6.13	23.82
5785MHz	Pass	12.18	1.26	1.20	1.19	1.66	7.19	23.82
5825MHz	Pass	12.18	0.08	-0.40	-0.05	0.04	5.84	23.82
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.18	-1.04	-1.44	-0.39	-1.17	4.93	10.82
5230MHz	Pass	12.18	2.20	1.85	2.68	2.55	8.26	10.82
5755MHz	Pass	12.18	-0.88	-0.95	-0.66	-0.13	5.23	23.82
5795MHz	Pass	12.18	-0.57	-0.77	-0.36	-0.15	5.41	23.82
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.18	-4.16	-4.33	-4.17	-4.08	1.75	10.82
5775MHz	Pass	12.18	-3.03	-3.11	-3.02	-2.52	2.93	23.82

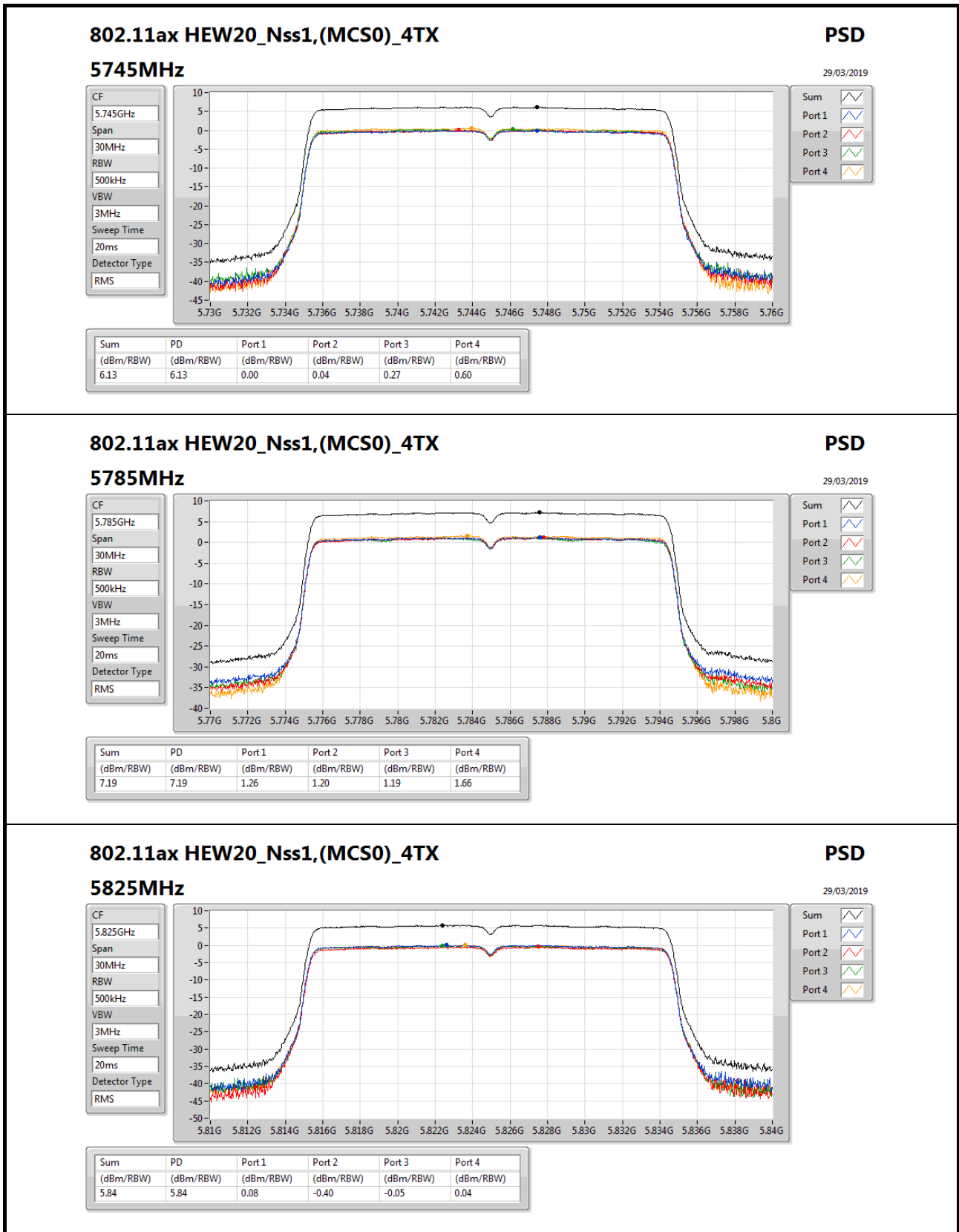
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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









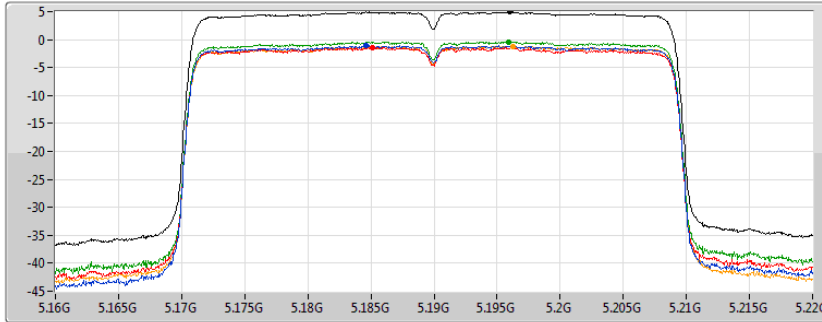
802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

29/03/2019

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
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)
4.93	4.93	-1.04	-1.44	-0.39	-1.17

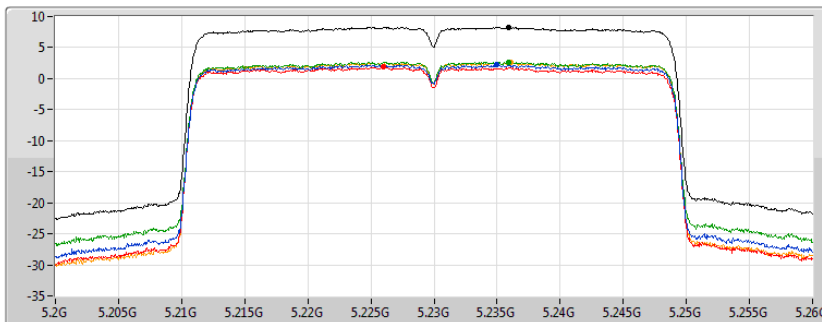
802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

29/03/2019

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
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)
8.26	8.26	2.20	1.85	2.68	2.55

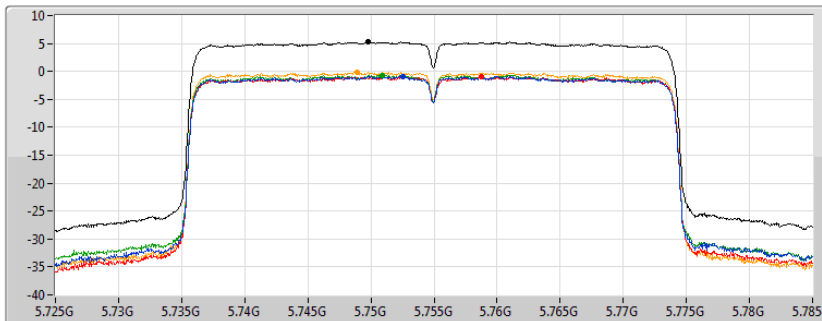
802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

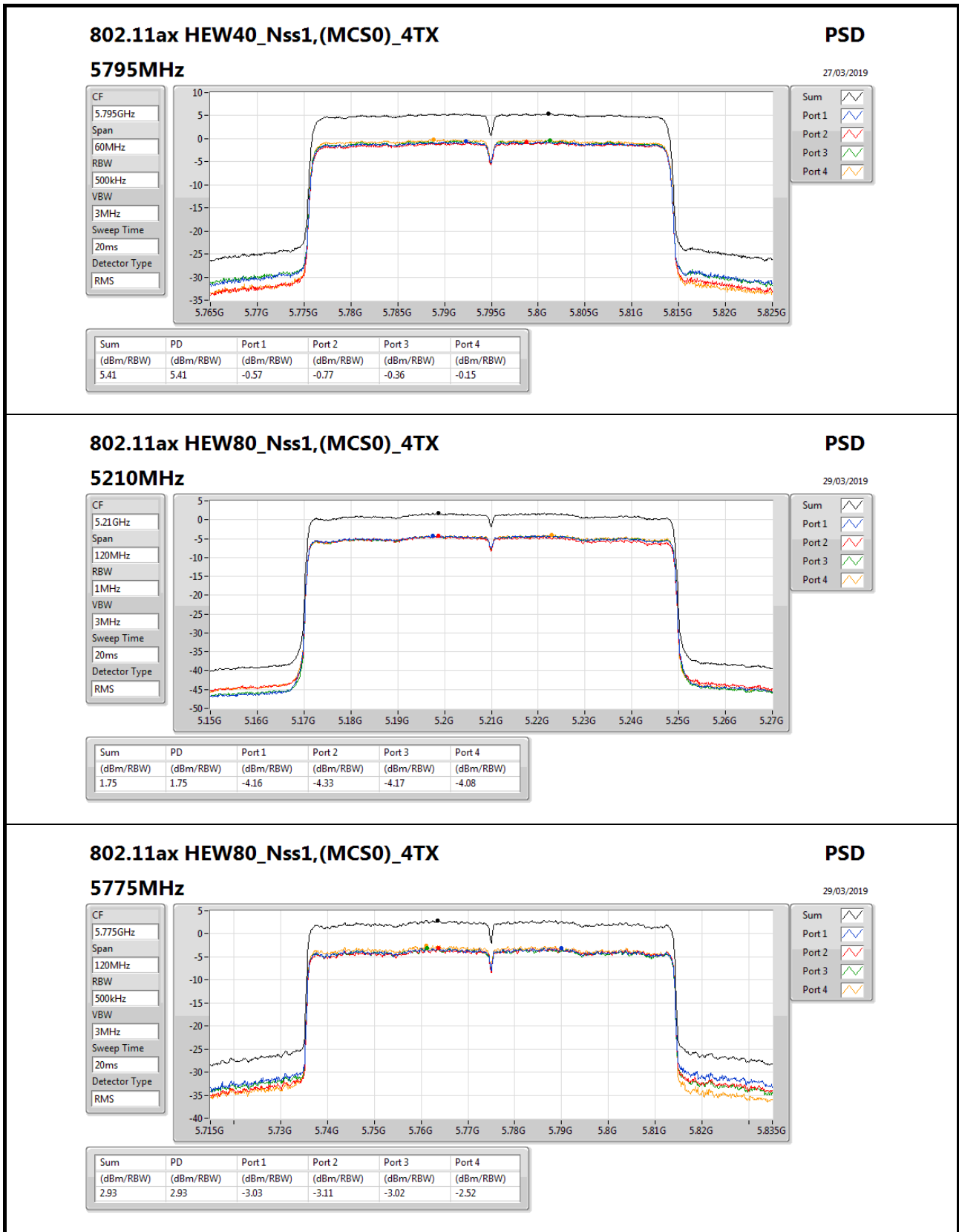
29/03/2019

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
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)
5.23	5.23	-0.88	-0.95	-0.66	-0.13





**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	9.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	5.01
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-0.84
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	7.19
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	5.41
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	2.36

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

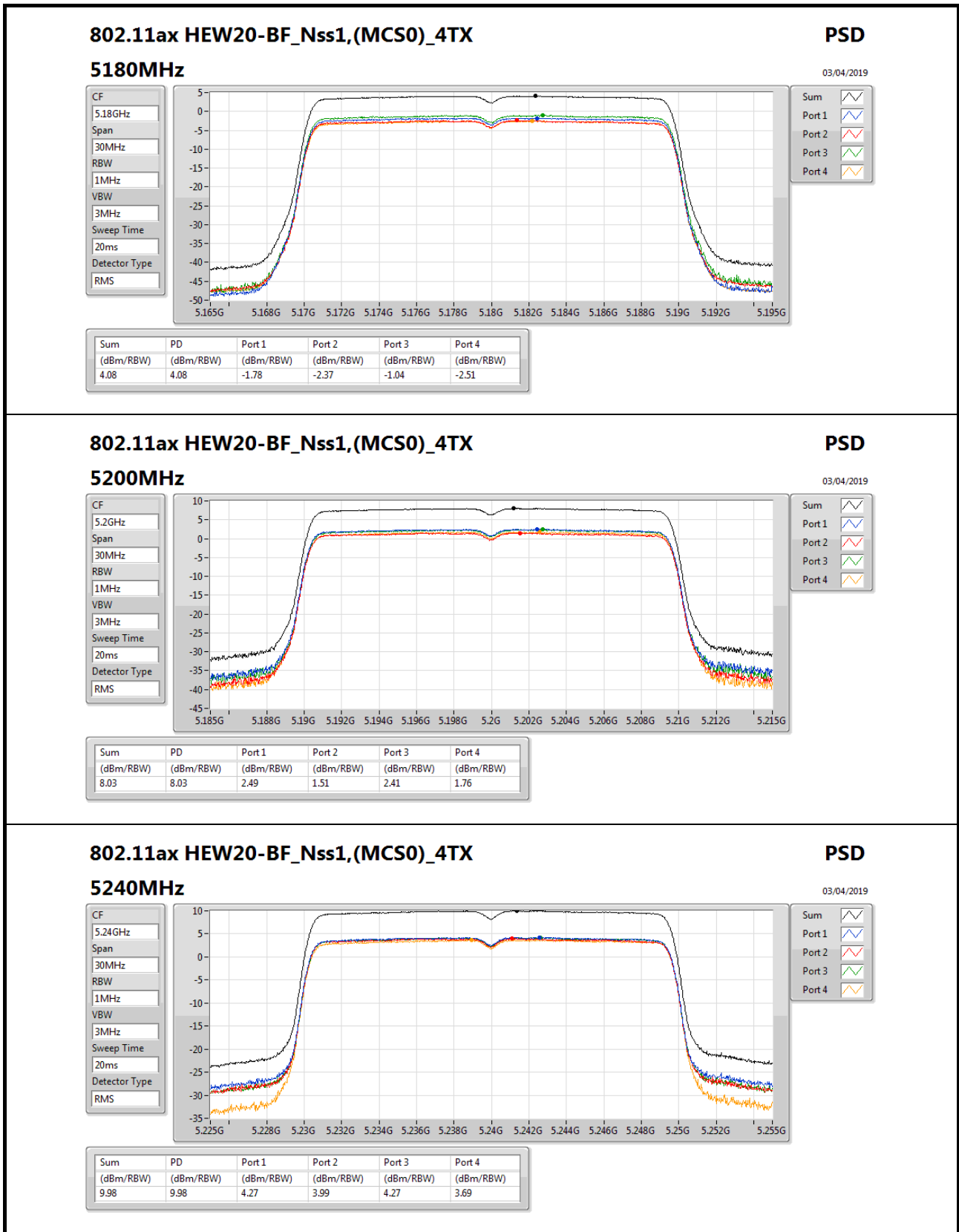


Result

Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.18	-1.78	-2.37	-1.04	-2.51	4.08	10.82
5200MHz	Pass	12.18	2.49	1.51	2.41	1.76	8.03	10.82
5240MHz	Pass	12.18	4.27	3.99	4.27	3.69	9.98	10.82
5745MHz	Pass	12.18	-0.16	-0.19	0.36	0.83	6.13	23.82
5785MHz	Pass	12.18	1.25	0.78	1.52	1.61	7.19	23.82
5825MHz	Pass	12.18	-0.06	-0.46	0.02	0.14	5.84	23.82
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.18	-4.76	-5.33	-4.00	-4.92	1.25	10.82
5230MHz	Pass	12.18	-0.82	-1.00	-0.73	-1.13	5.01	10.82
5755MHz	Pass	12.18	-0.87	-0.64	-0.77	-0.30	5.23	23.82
5795MHz	Pass	12.18	-0.77	-0.53	-0.58	-0.23	5.41	23.82
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.18	-6.78	-7.01	-6.80	-6.70	-0.84	10.82
5775MHz	Pass	12.18	-3.82	-3.99	-3.75	-3.00	2.36	23.82

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

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



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz

PSD
03/04/2019

CF
5.24GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

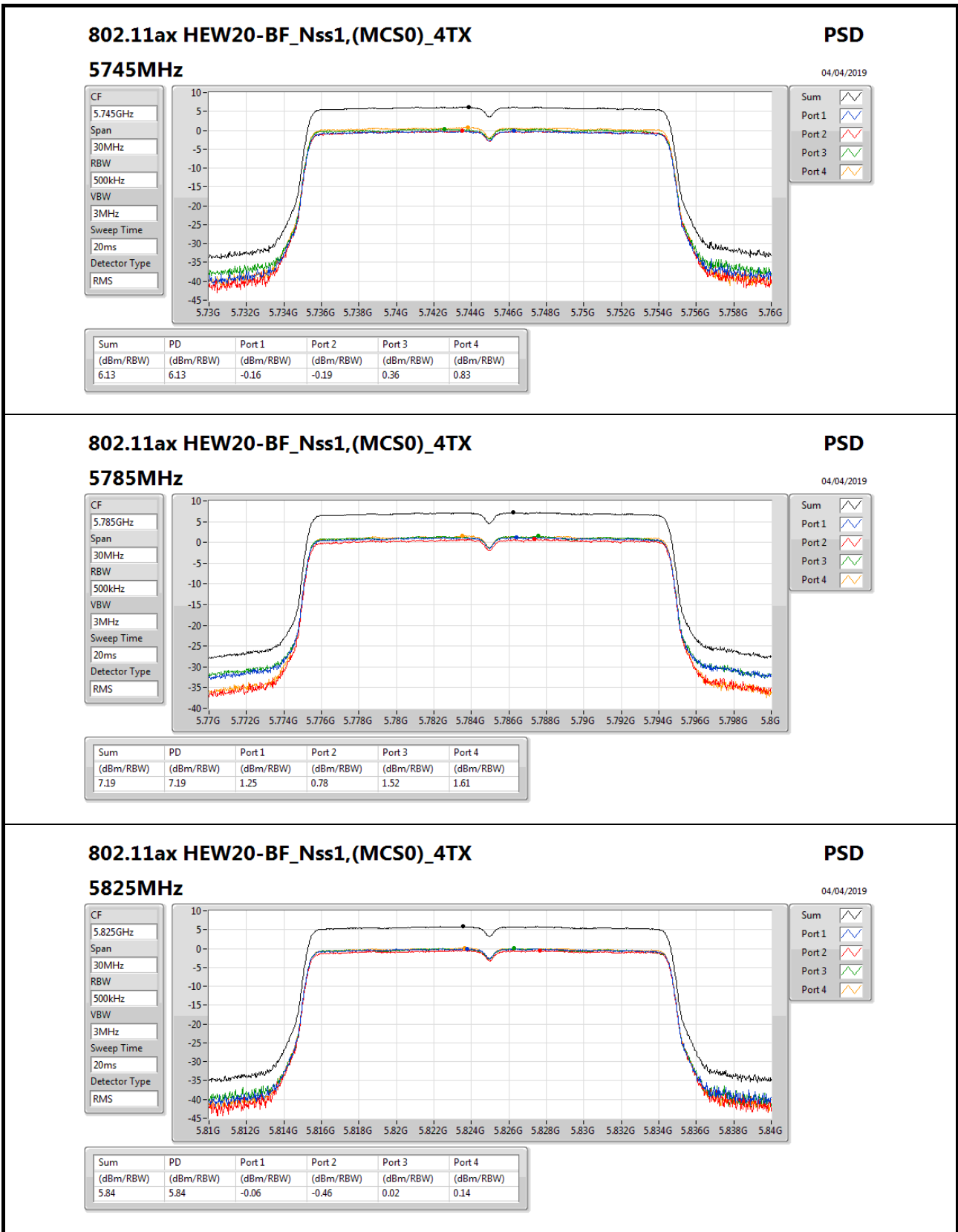
Sum

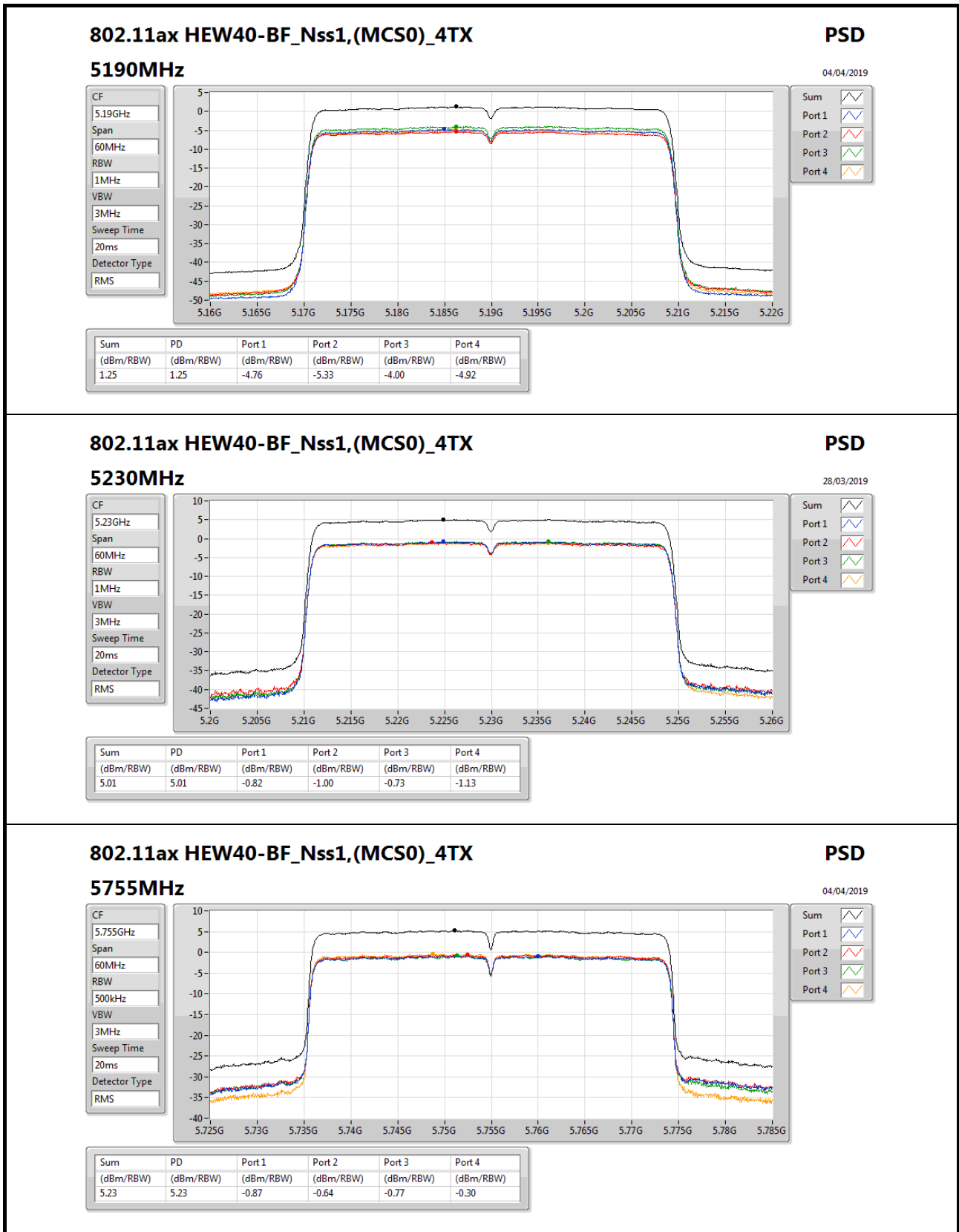
Port 1

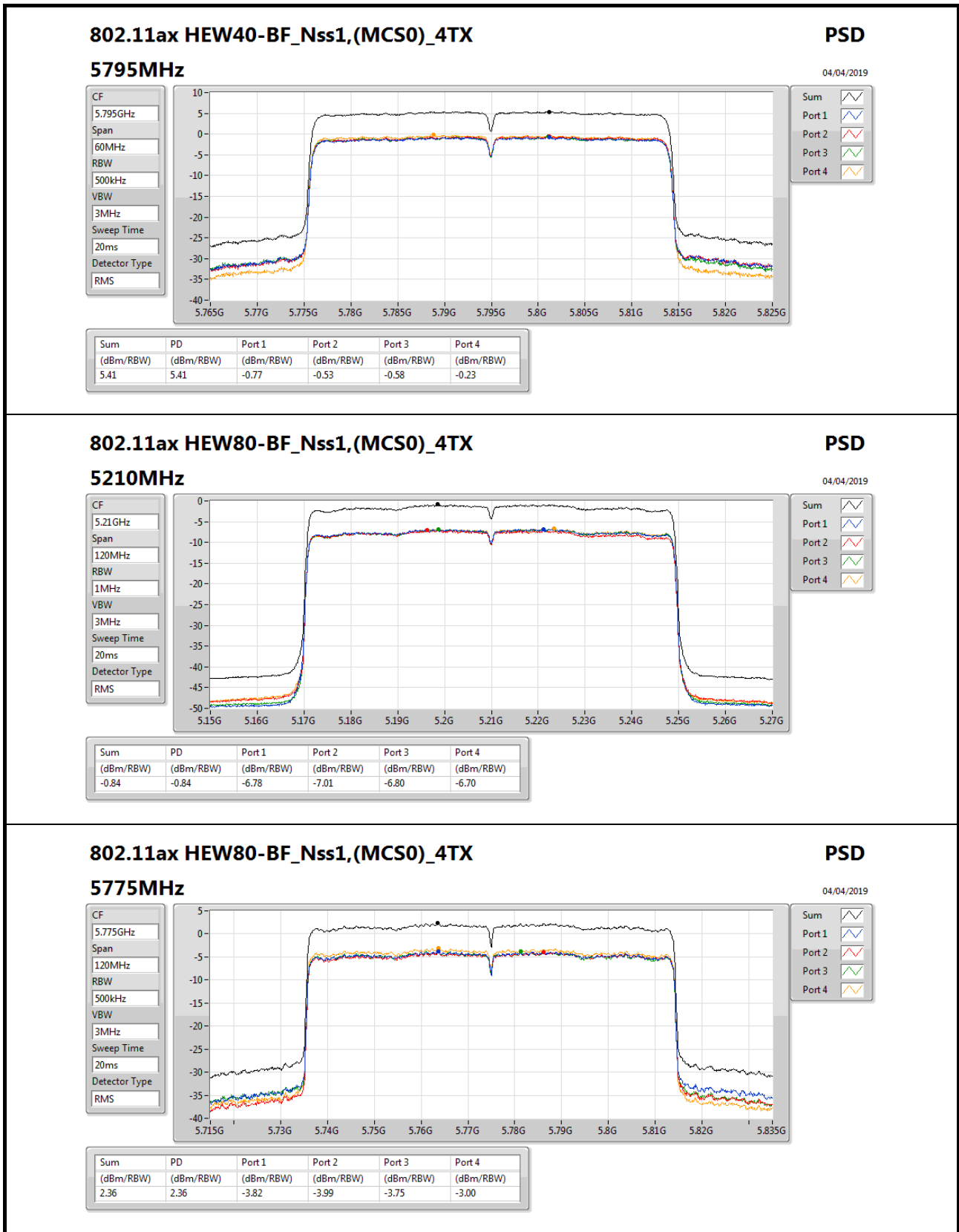
Port 2

Port 3

Port 4









**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	12.96
802.11ax HEW40_Nss4,(MCS0)_4TX	9.18
802.11ax HEW80_Nss4,(MCS0)_4TX	1.94
5.725-5.85GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	7.12
802.11ax HEW40_Nss4,(MCS0)_4TX	5.69
802.11ax HEW80_Nss4,(MCS0)_4TX	4.03

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

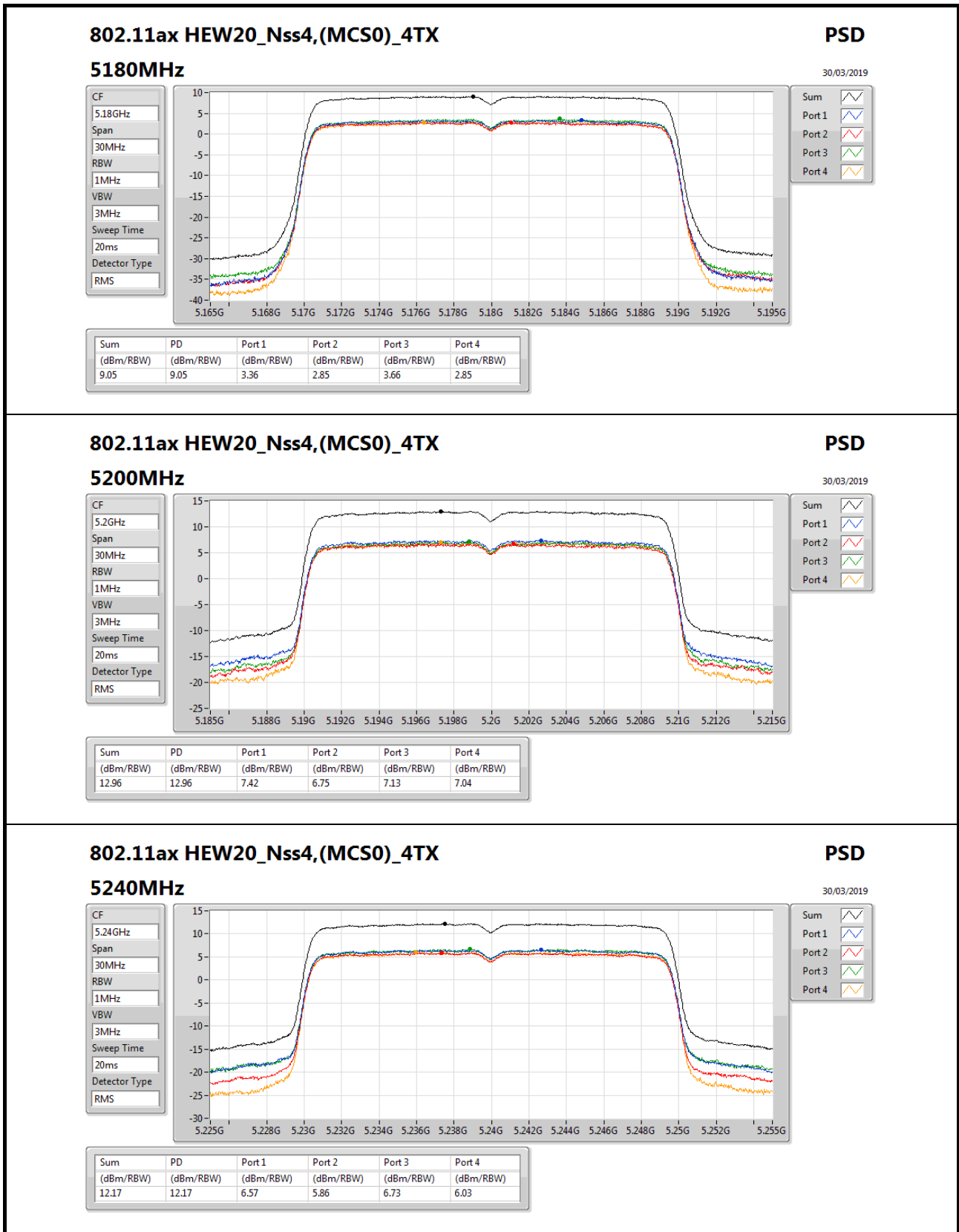


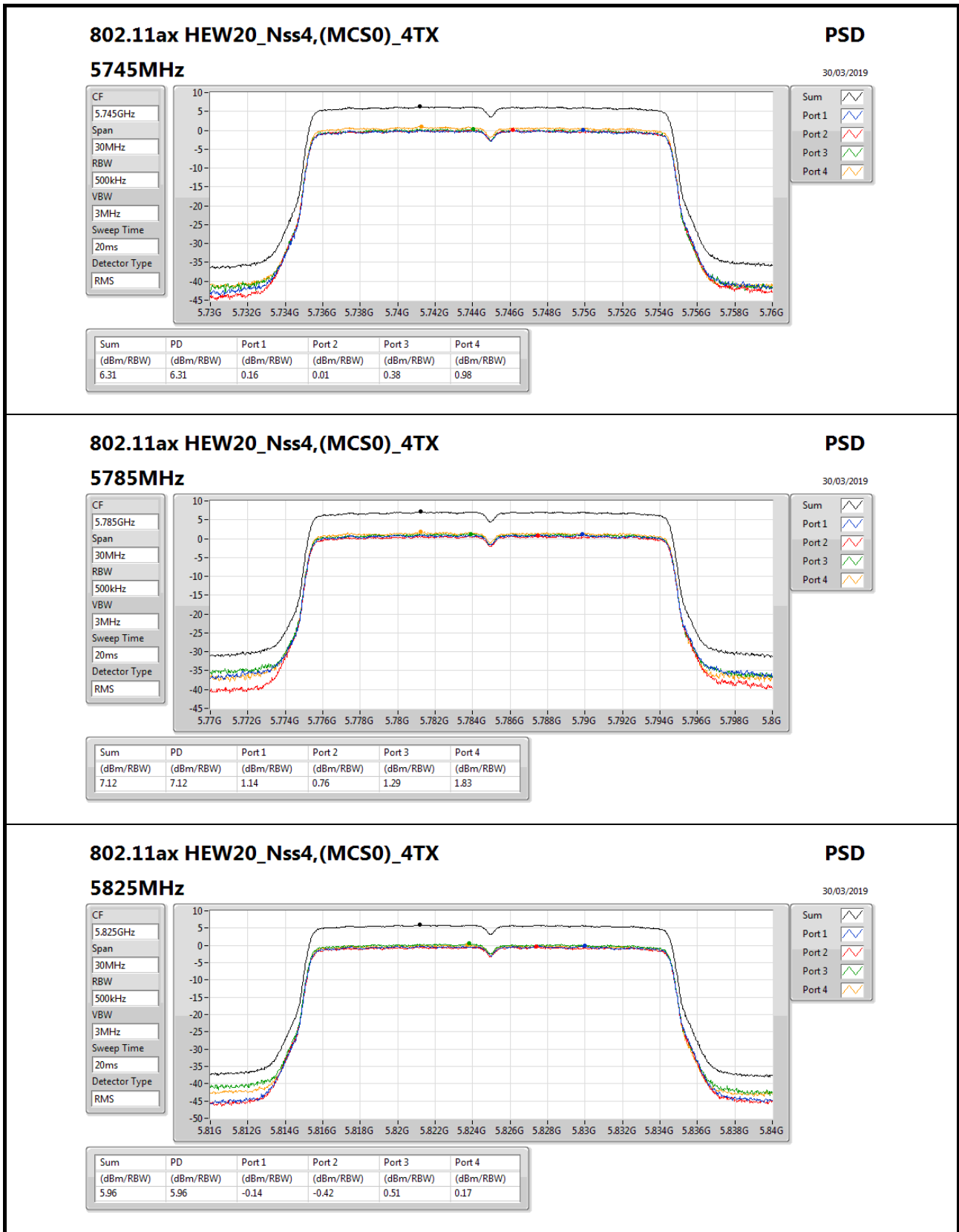
Result

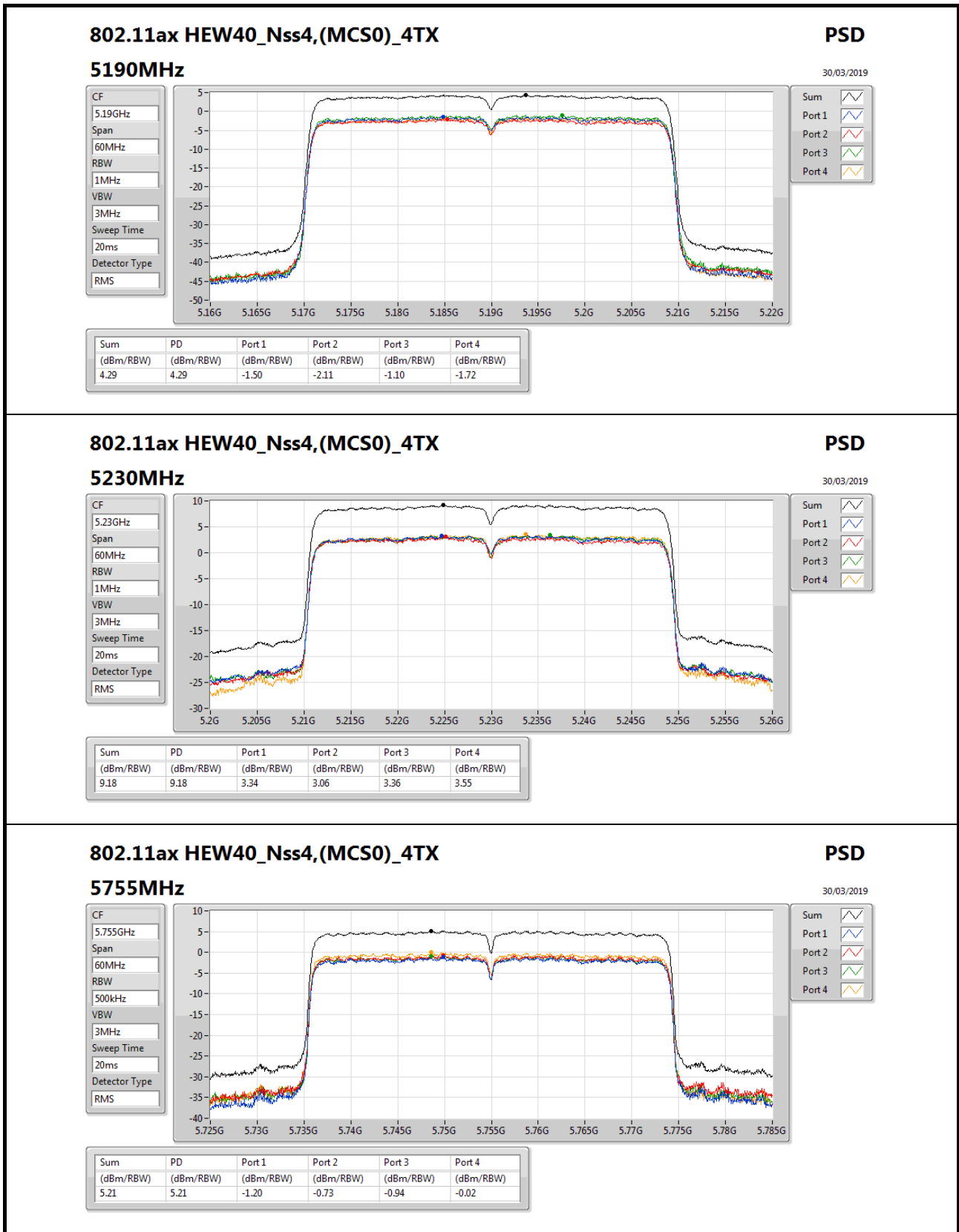
Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.16	3.36	2.85	3.66	2.85	9.05	16.84
5200MHz	Pass	6.16	7.42	6.75	7.13	7.04	12.96	16.84
5240MHz	Pass	6.16	6.57	5.86	6.73	6.03	12.17	16.84
5745MHz	Pass	6.16	0.16	0.01	0.38	0.98	6.31	29.84
5785MHz	Pass	6.16	1.14	0.76	1.29	1.83	7.12	29.84
5825MHz	Pass	6.16	-0.14	-0.42	0.51	0.17	5.96	29.84
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.16	-1.50	-2.11	-1.10	-1.72	4.29	16.84
5230MHz	Pass	6.16	3.34	3.06	3.36	3.55	9.18	16.84
5755MHz	Pass	6.16	-1.20	-0.73	-0.94	-0.02	5.21	29.84
5795MHz	Pass	6.16	-0.06	-0.23	-0.67	0.22	5.69	29.84
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.16	-3.77	-4.32	-3.62	-3.89	1.94	16.84
5775MHz	Pass	6.16	-1.90	-1.95	-1.91	-1.39	4.03	29.84

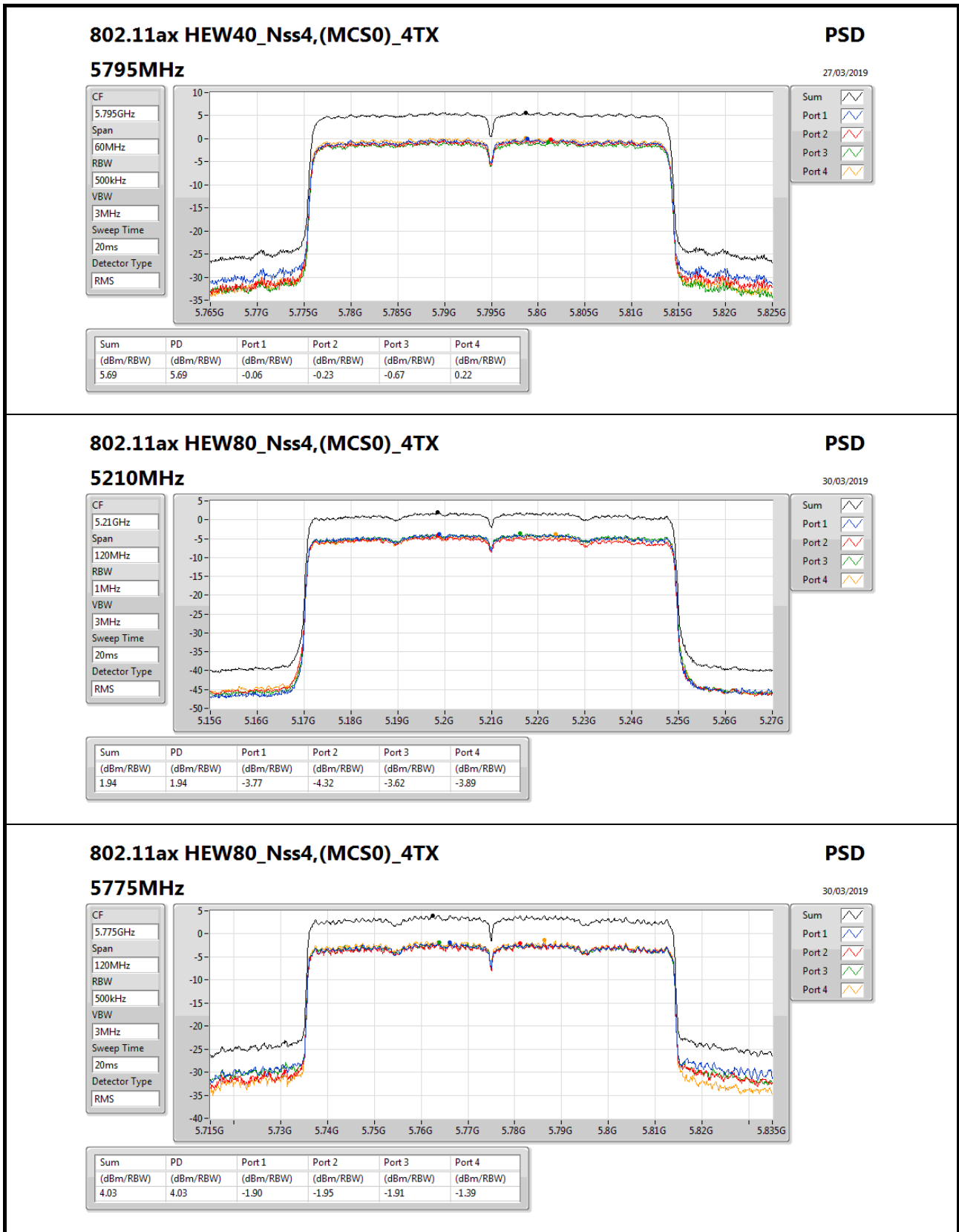
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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











**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	5.08
802.11ax HEW20_Nss1,(MCS0)_1TX	4.58
802.11ax HEW40_Nss1,(MCS0)_1TX	1.72
802.11ax HEW80_Nss1,(MCS0)_1TX	-2.40

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

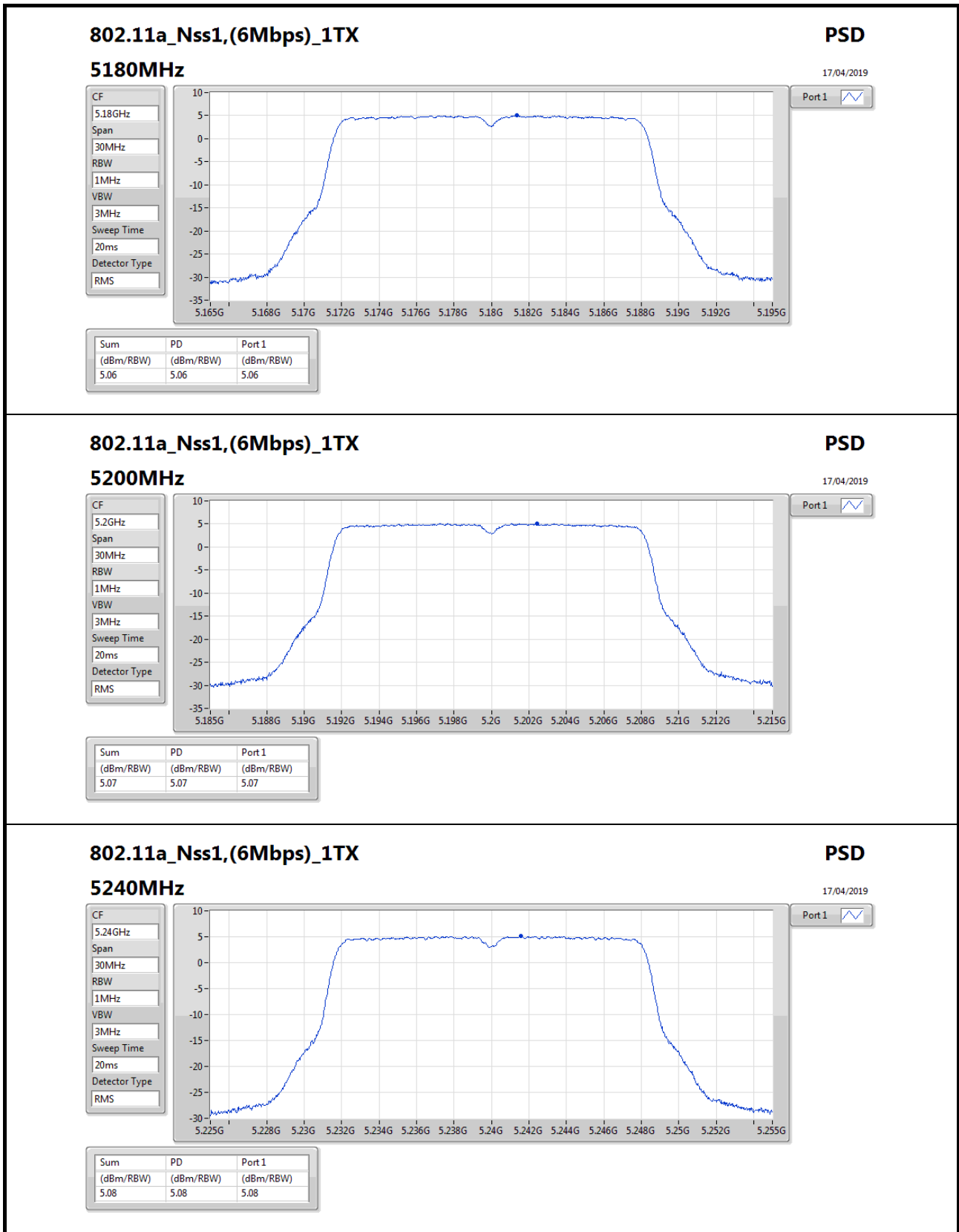


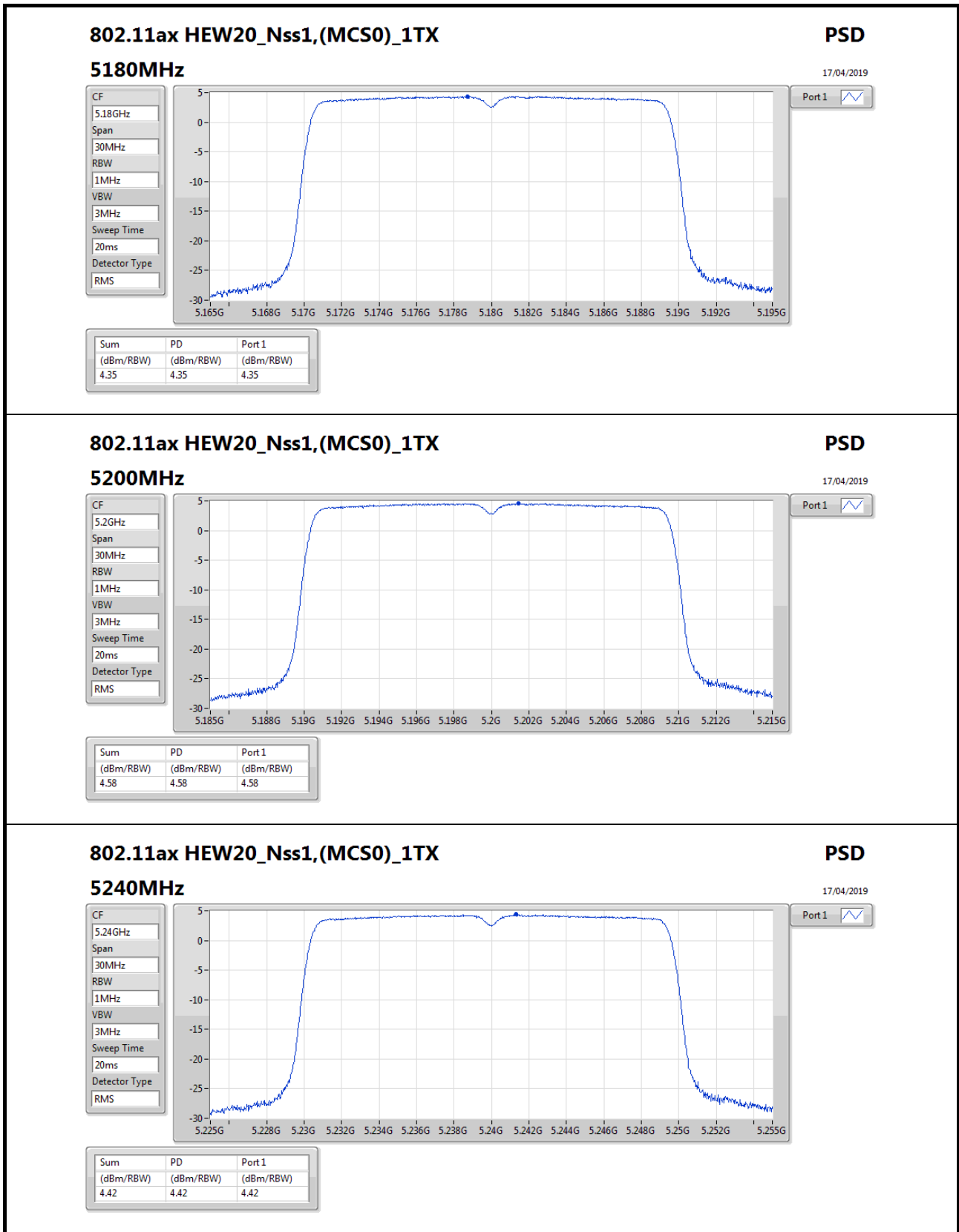
Result

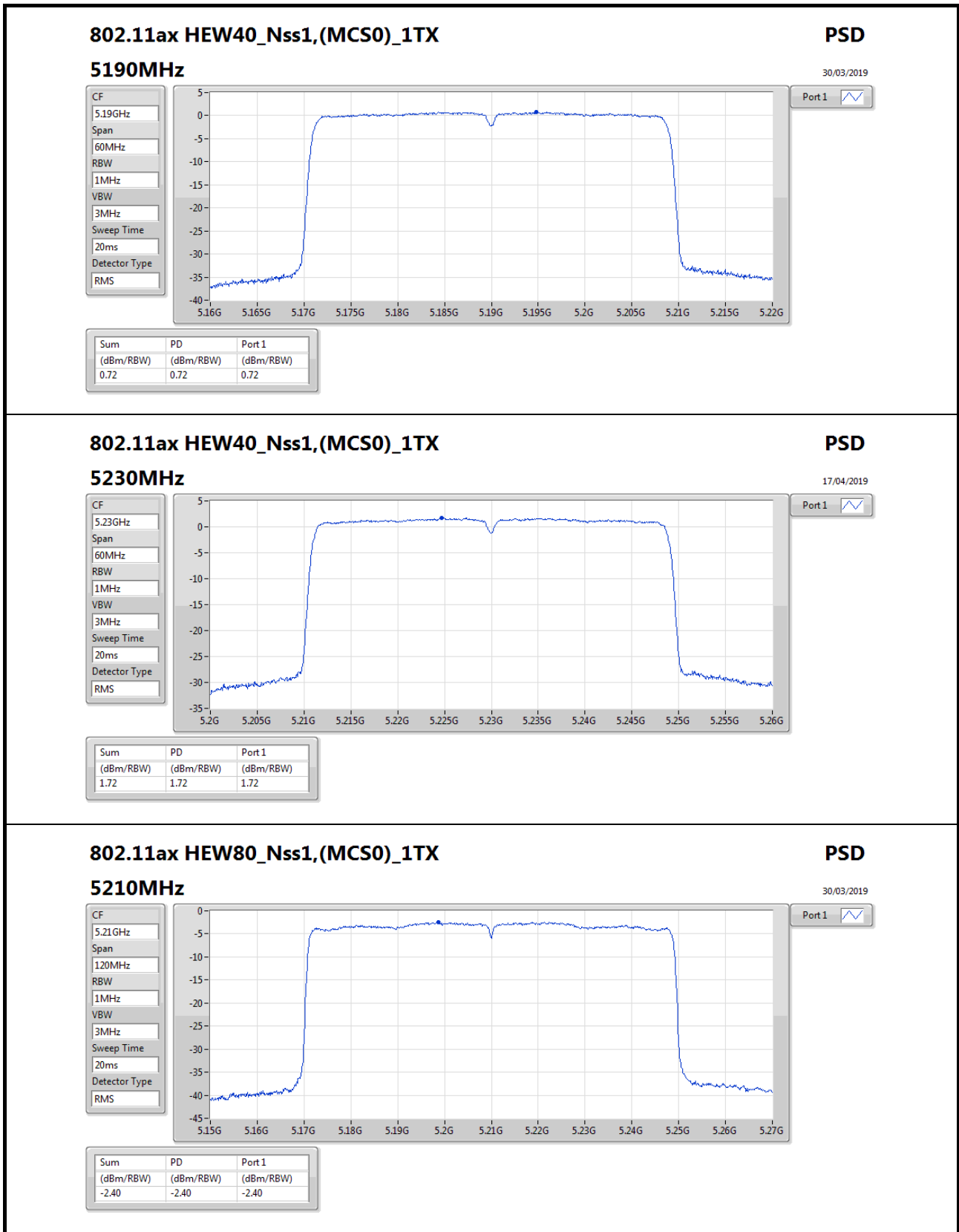
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	6.16	5.06	5.06	16.84
5200MHz	Pass	6.16	5.07	5.07	16.84
5240MHz	Pass	6.16	5.08	5.08	16.84
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	6.16	4.35	4.35	16.84
5200MHz	Pass	6.16	4.58	4.58	16.84
5240MHz	Pass	6.16	4.42	4.42	16.84
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	6.16	0.72	0.72	16.84
5230MHz	Pass	6.16	1.72	1.72	16.84
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	6.16	-2.40	-2.40	16.84

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

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









**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	4.60
802.11ax HEW40_Nss2,(MCS0)_2TX	1.79
802.11ax HEW80_Nss2,(MCS0)_2TX	-0.67

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

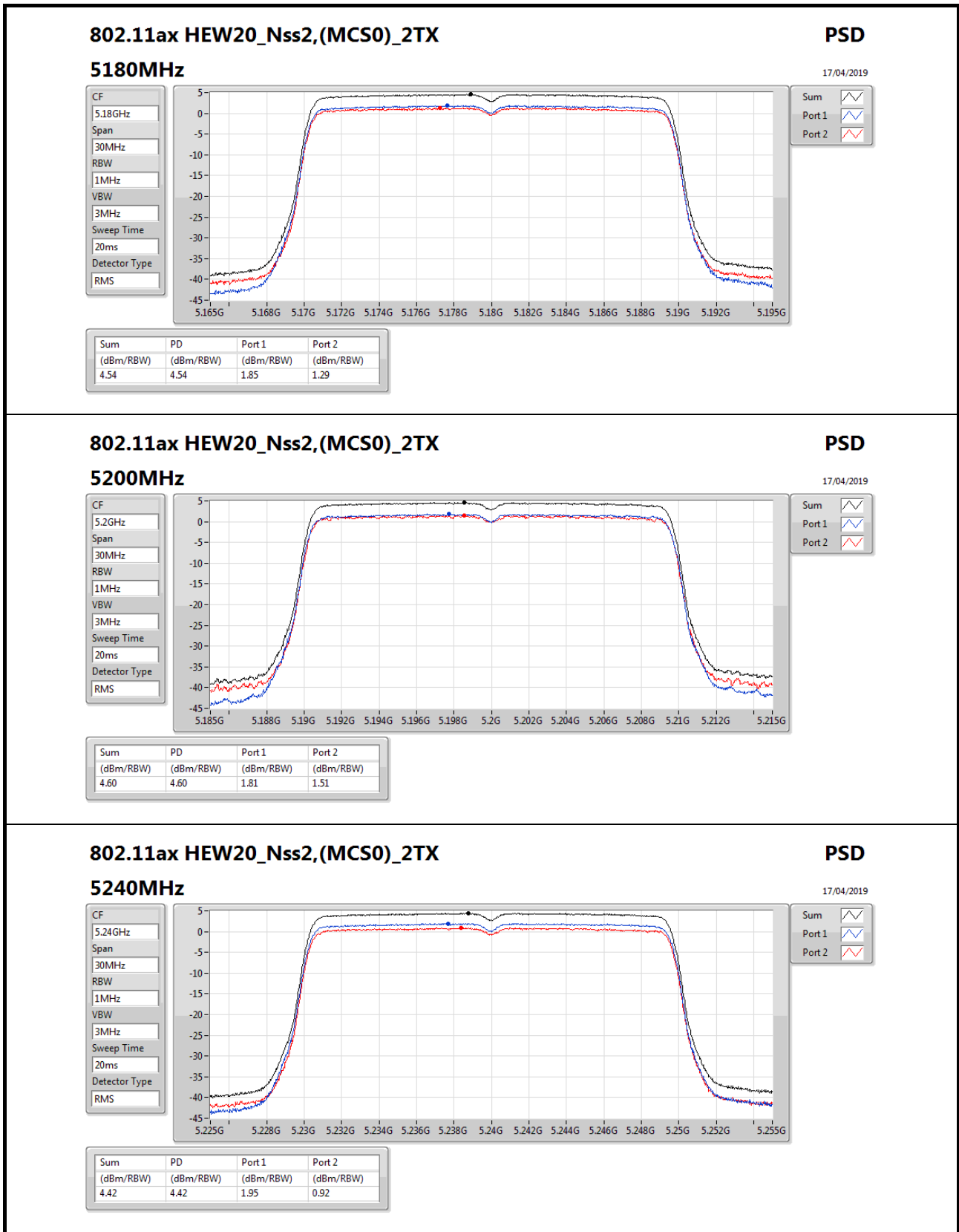


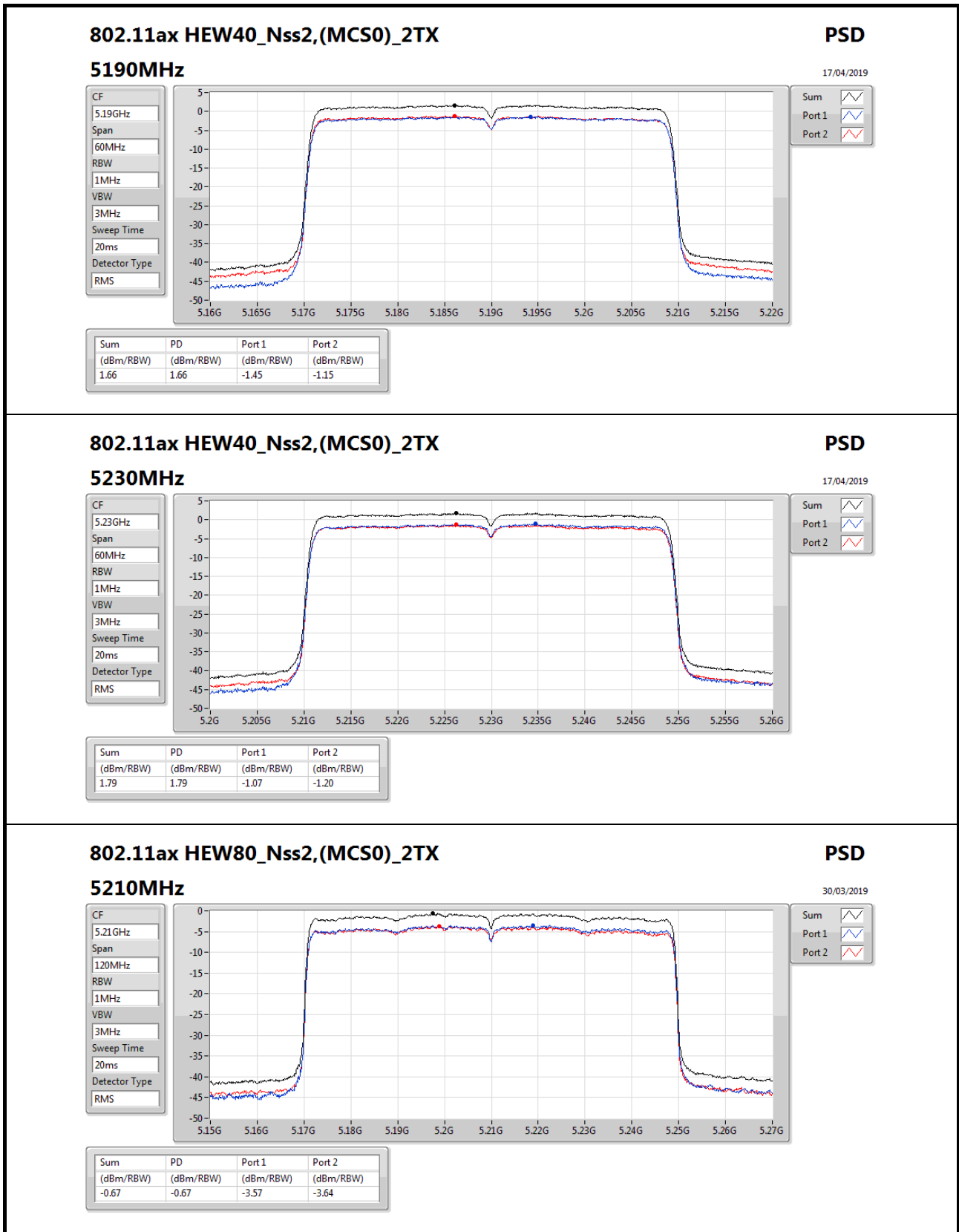
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.16	1.85	1.29	4.54	16.84
5200MHz	Pass	6.16	1.81	1.51	4.60	16.84
5240MHz	Pass	6.16	1.95	0.92	4.42	16.84
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.16	-1.45	-1.15	1.66	16.84
5230MHz	Pass	6.16	-1.07	-1.20	1.79	16.84
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.16	-3.57	-3.64	-0.67	16.84

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

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





802.11ax HEW80_Nss2,(MCS0)_2TX

5210MHz

PSD

30/03/2019

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)
-0.67	-0.67	-3.57	-3.64



**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	5.03
802.11ax HEW20_Nss1,(MCS0)_4TX	4.55
802.11ax HEW40_Nss1,(MCS0)_4TX	1.62
802.11ax HEW80_Nss1,(MCS0)_4TX	-1.30

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

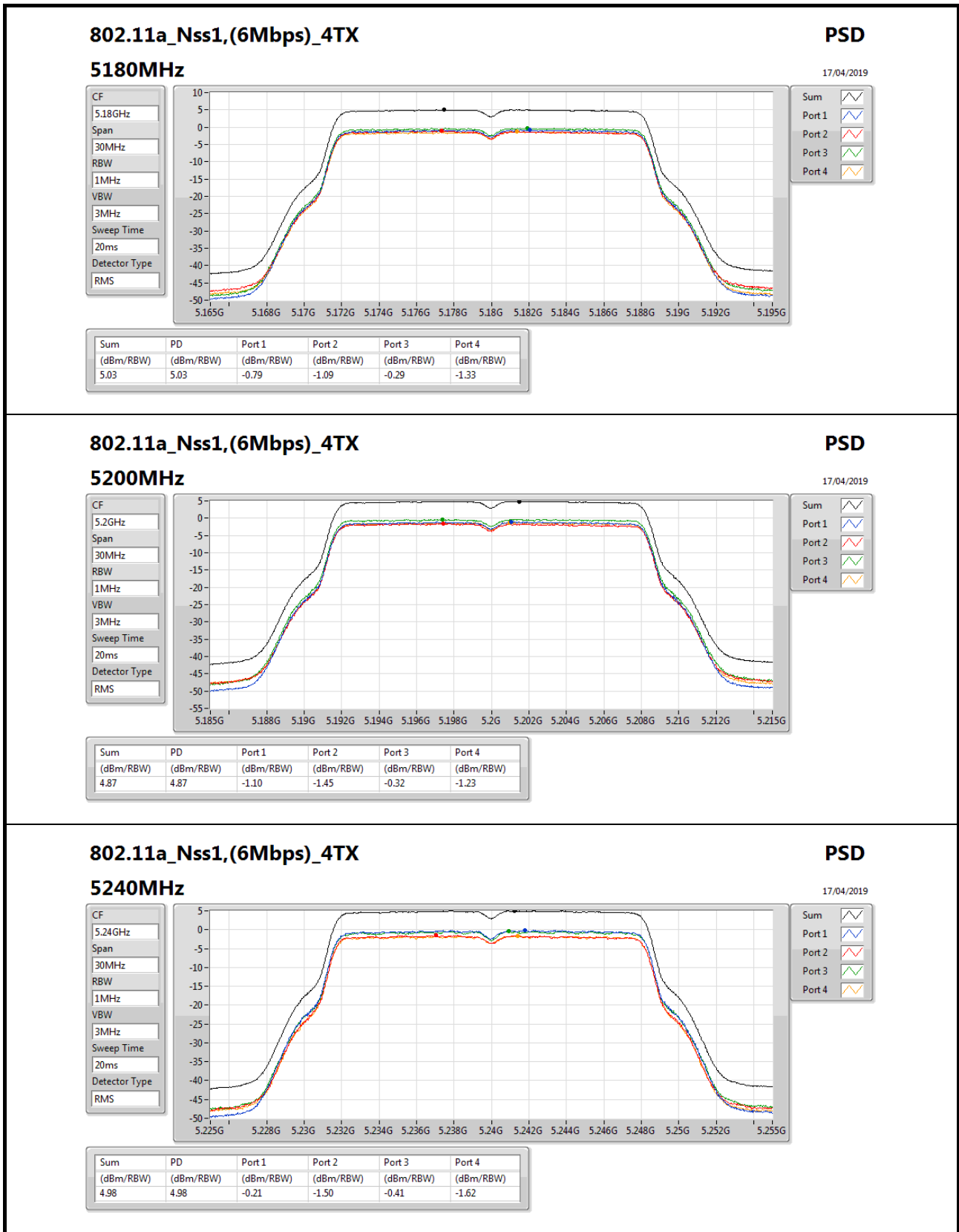


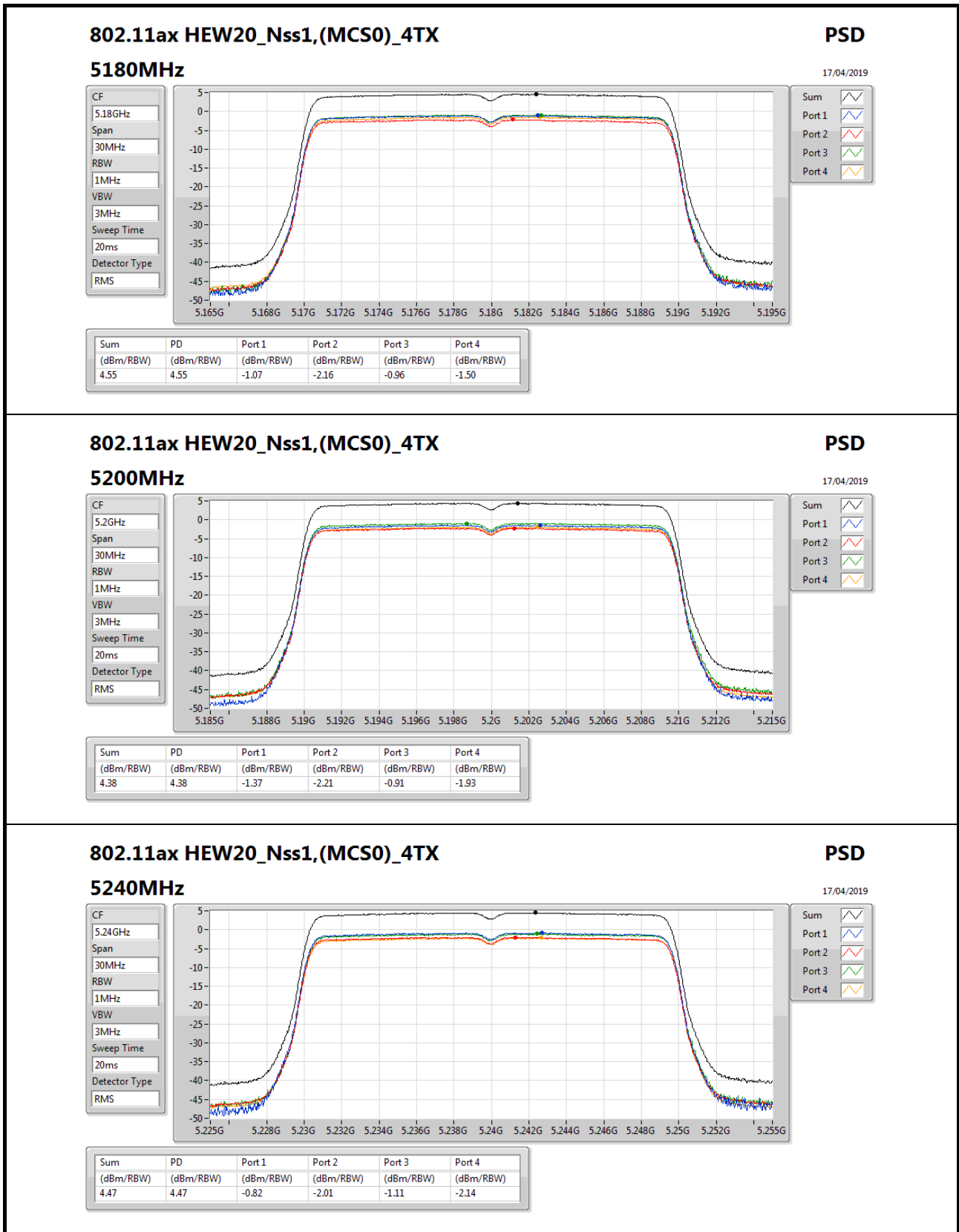
Result

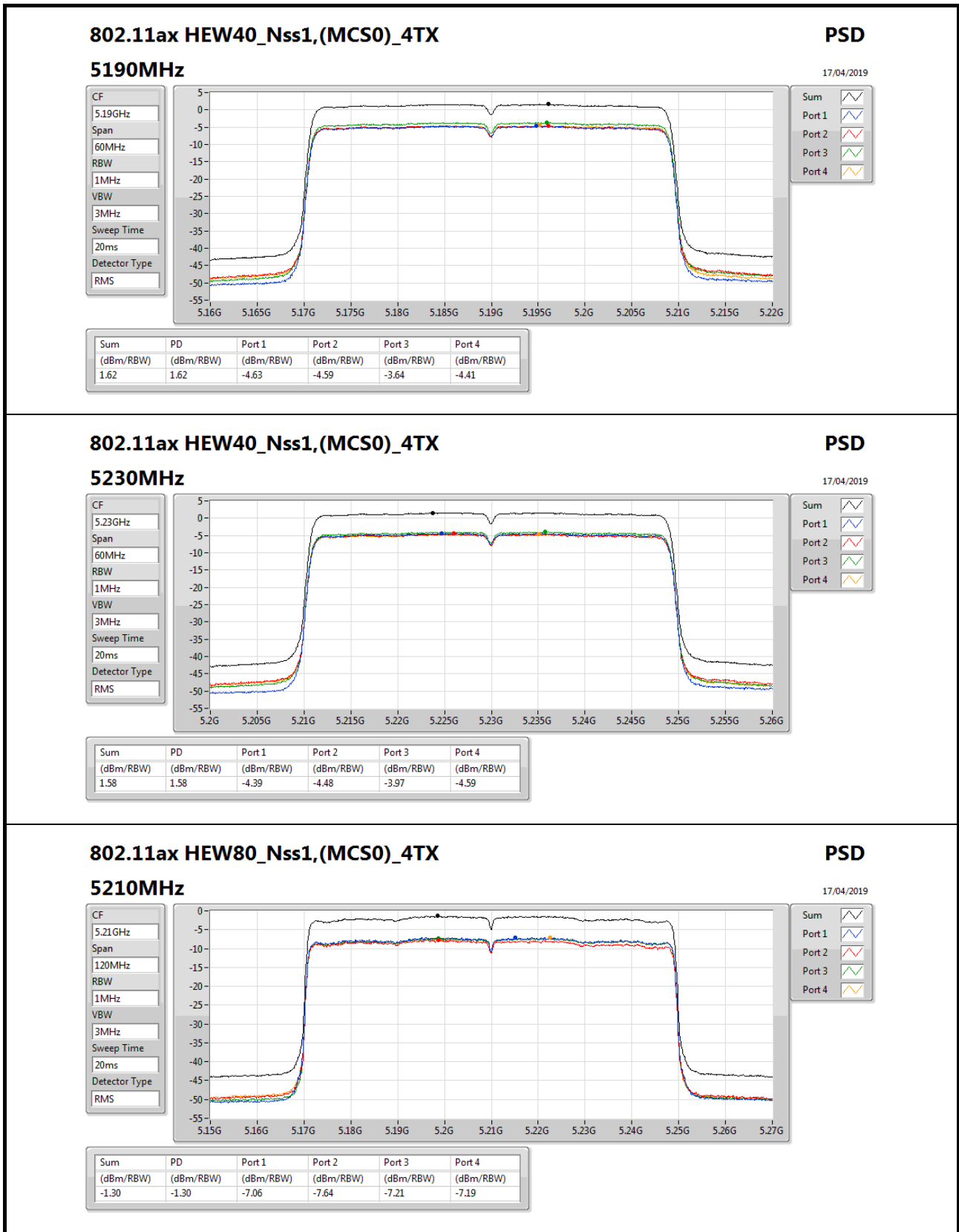
Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.18	-0.79	-1.09	-0.29	-1.33	5.03	10.82
5200MHz	Pass	12.18	-1.10	-1.45	-0.32	-1.23	4.87	10.82
5240MHz	Pass	12.18	-0.21	-1.50	-0.41	-1.62	4.98	10.82
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.18	-1.07	-2.16	-0.96	-1.50	4.55	10.82
5200MHz	Pass	12.18	-1.37	-2.21	-0.91	-1.93	4.38	10.82
5240MHz	Pass	12.18	-0.82	-2.01	-1.11	-2.14	4.47	10.82
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.18	-4.63	-4.59	-3.64	-4.41	1.62	10.82
5230MHz	Pass	12.18	-4.39	-4.48	-3.97	-4.59	1.58	10.82
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.18	-7.06	-7.64	-7.21	-7.19	-1.30	10.82

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

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









**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-1.46
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-4.37
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-7.01

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

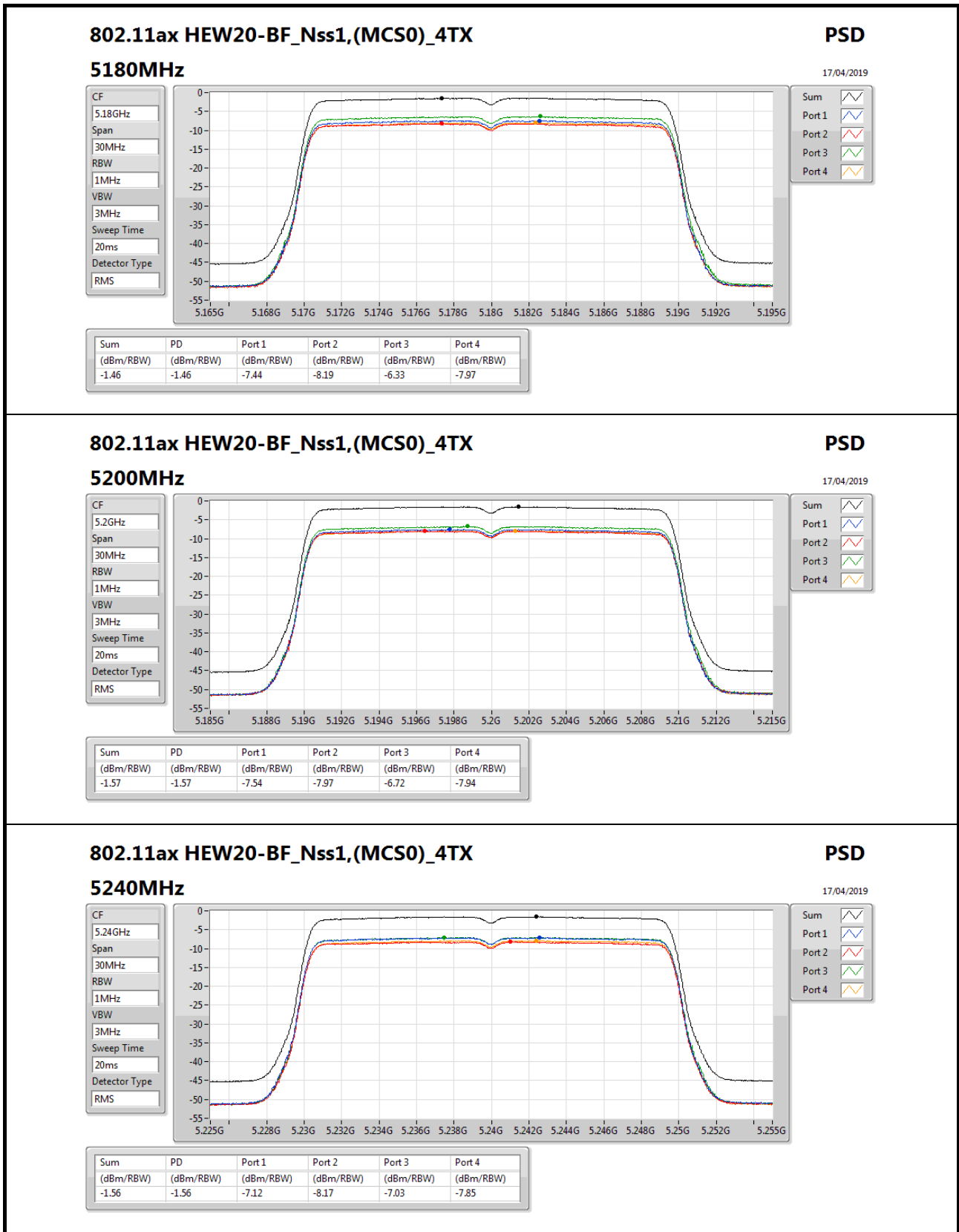


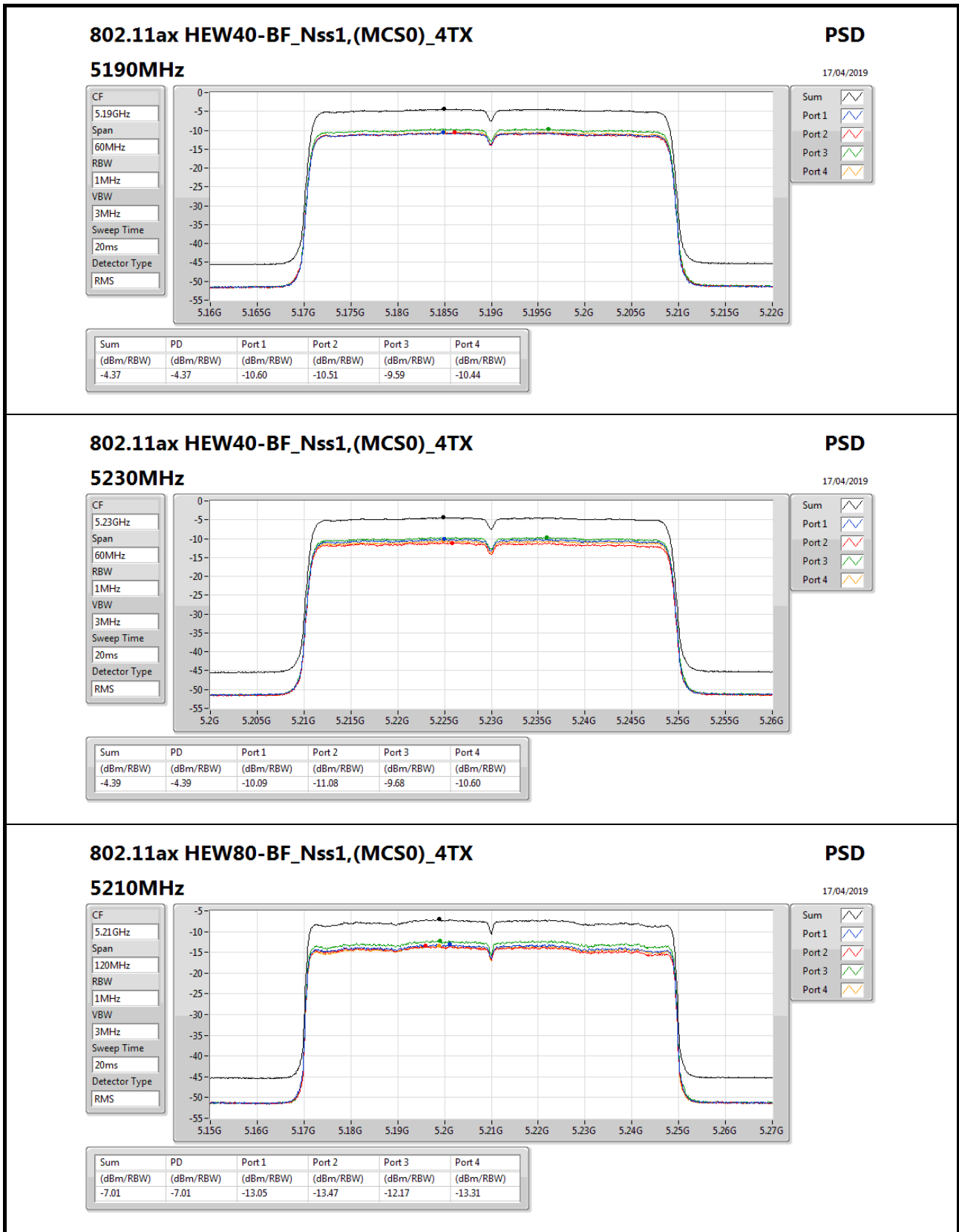
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.18	-7.44	-8.19	-6.33	-7.97	-1.46	10.82
5200MHz	Pass	12.18	-7.54	-7.97	-6.72	-7.94	-1.57	10.82
5240MHz	Pass	12.18	-7.12	-8.17	-7.03	-7.85	-1.56	10.82
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.18	-10.60	-10.51	-9.59	-10.44	-4.37	10.82
5230MHz	Pass	12.18	-10.09	-11.08	-9.68	-10.60	-4.39	10.82
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.18	-13.05	-13.47	-12.17	-13.31	-7.01	10.82

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

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







**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	4.64
802.11ax HEW40_Nss4,(MCS0)_4TX	2.02
802.11ax HEW80_Nss4,(MCS0)_4TX	-0.91

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

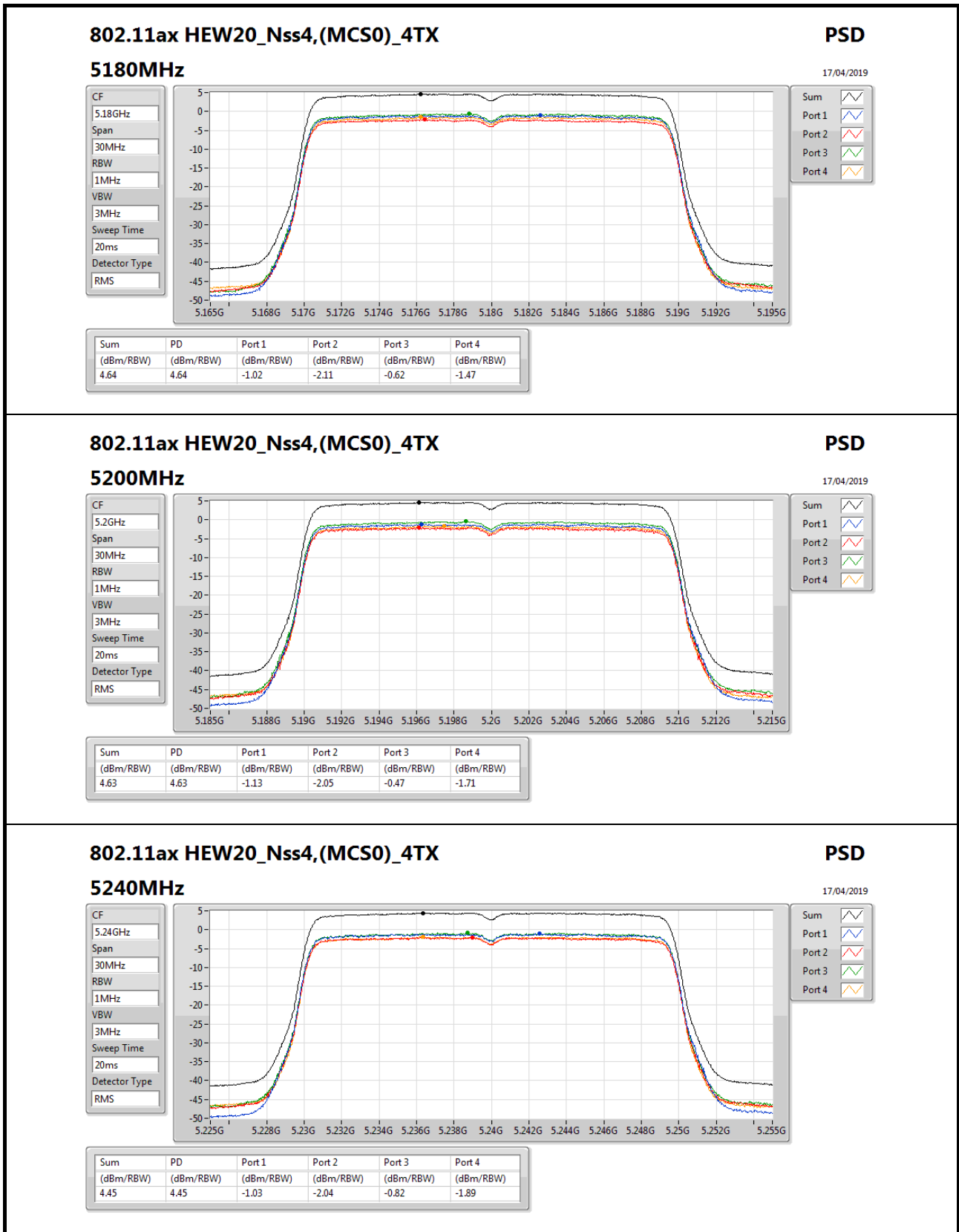


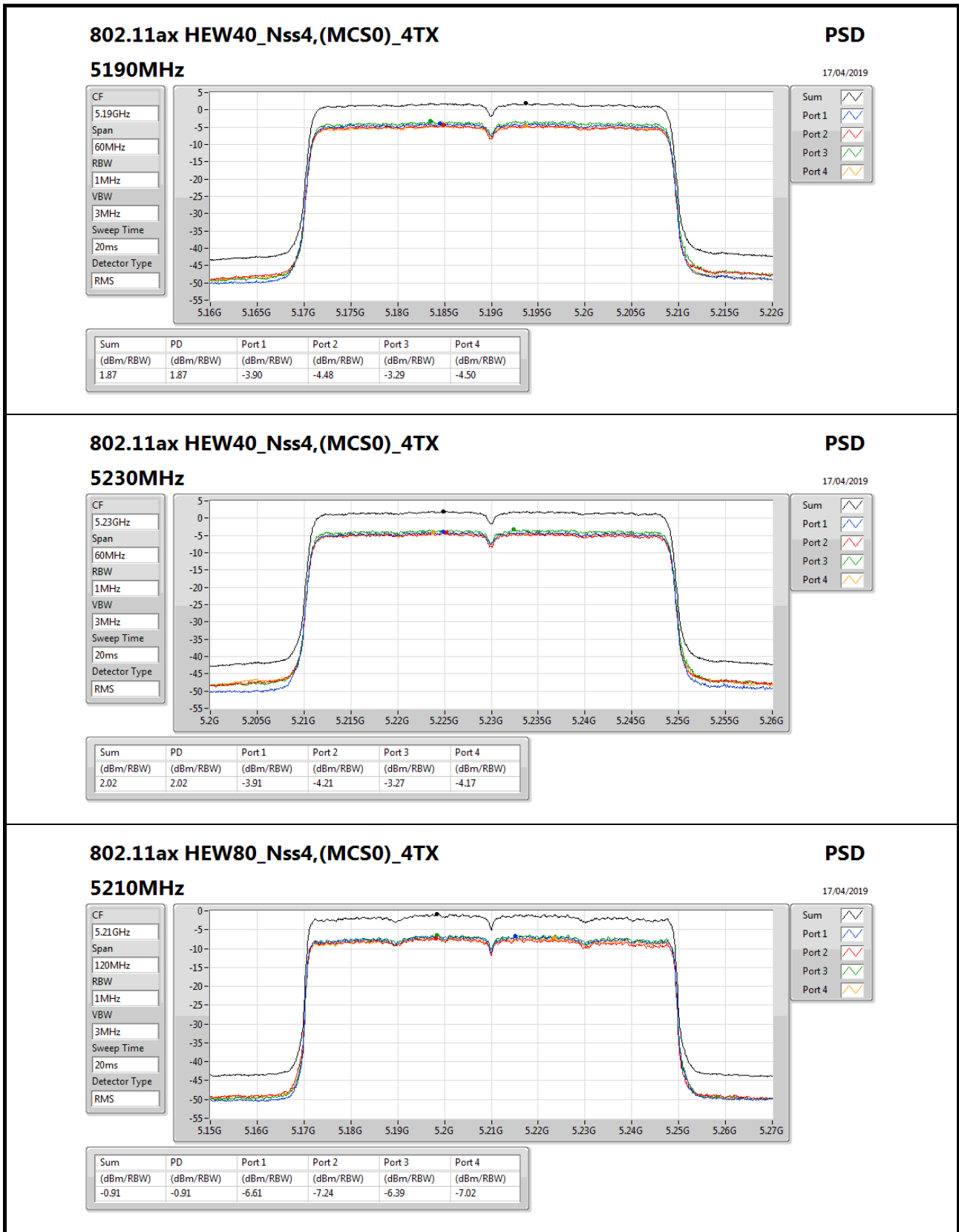
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.16	-1.02	-2.11	-0.62	-1.47	4.64	16.84
5200MHz	Pass	6.16	-1.13	-2.05	-0.47	-1.71	4.63	16.84
5240MHz	Pass	6.16	-1.03	-2.04	-0.82	-1.89	4.45	16.84
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.16	-3.90	-4.48	-3.29	-4.50	1.87	16.84
5230MHz	Pass	6.16	-3.91	-4.21	-3.27	-4.17	2.02	16.84
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.16	-6.61	-7.24	-6.39	-7.02	-0.91	16.84

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

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







**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.25
802.11ax HEW20_Nss1,(MCS0)_1TX	6.07
802.11ax HEW40_Nss1,(MCS0)_1TX	2.15
802.11ax HEW80_Nss1,(MCS0)_1TX	-2.67
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.89
802.11ax HEW20_Nss1,(MCS0)_1TX	6.92
802.11ax HEW40_Nss1,(MCS0)_1TX	5.26
802.11ax HEW80_Nss1,(MCS0)_1TX	0.72

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

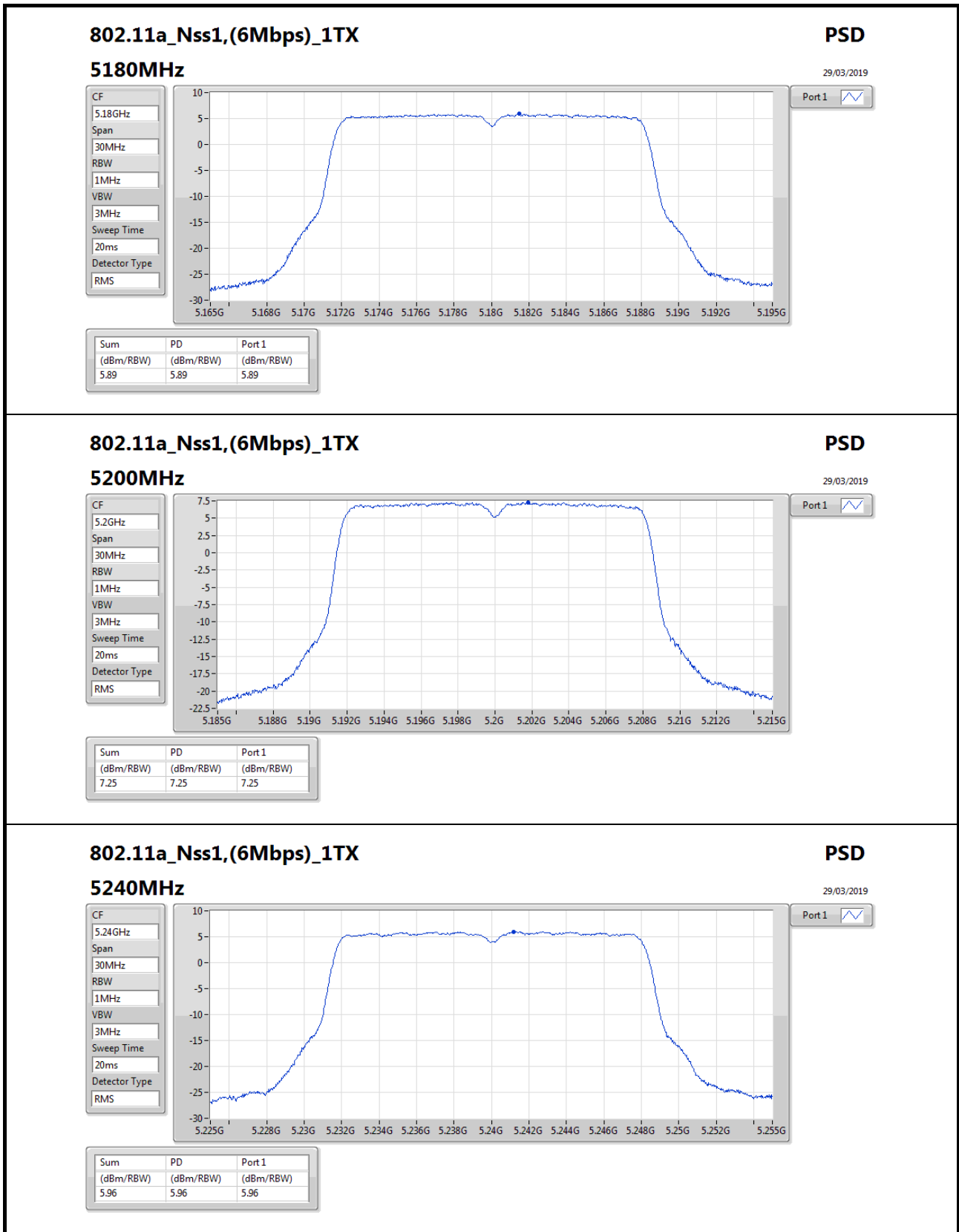


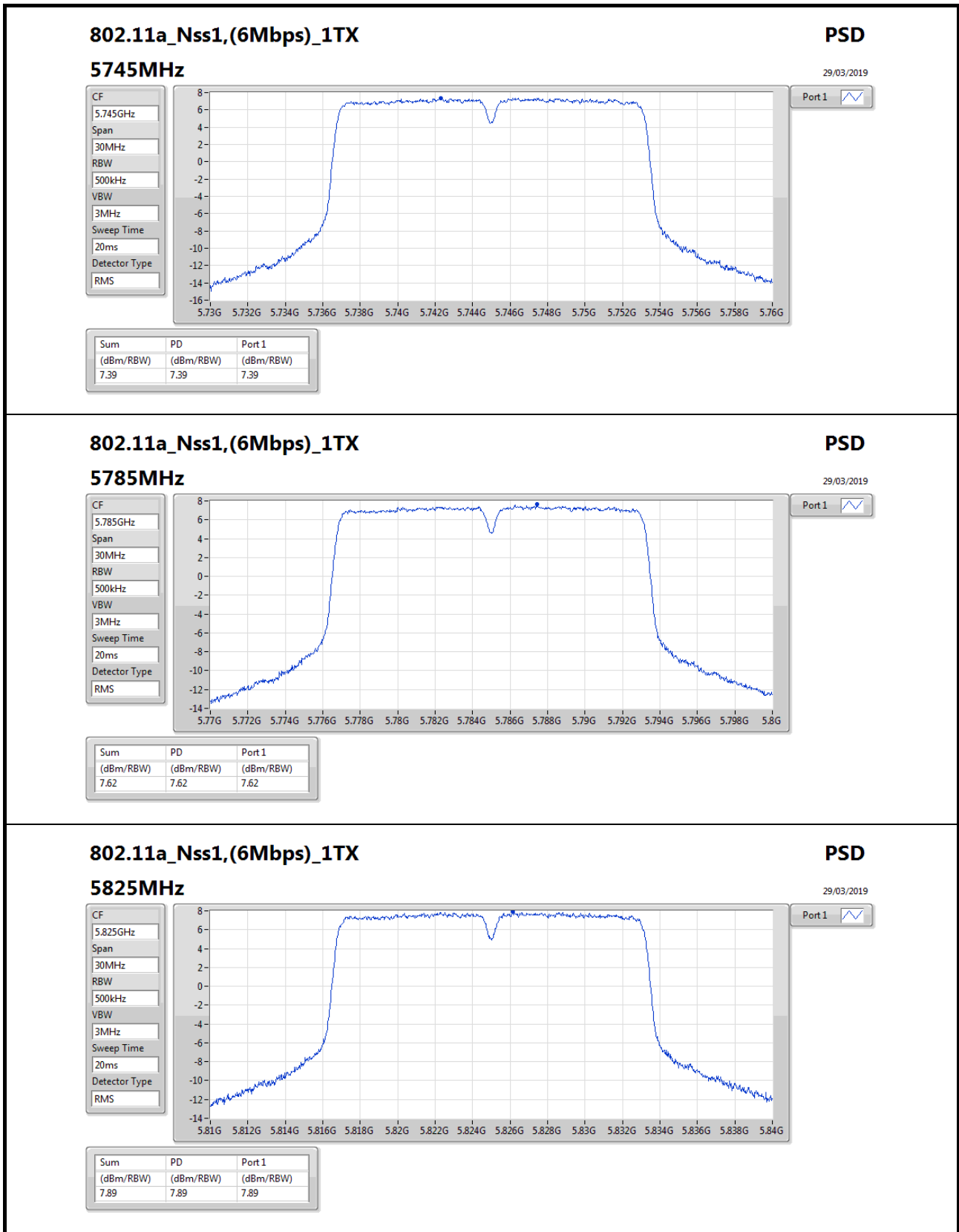
Result

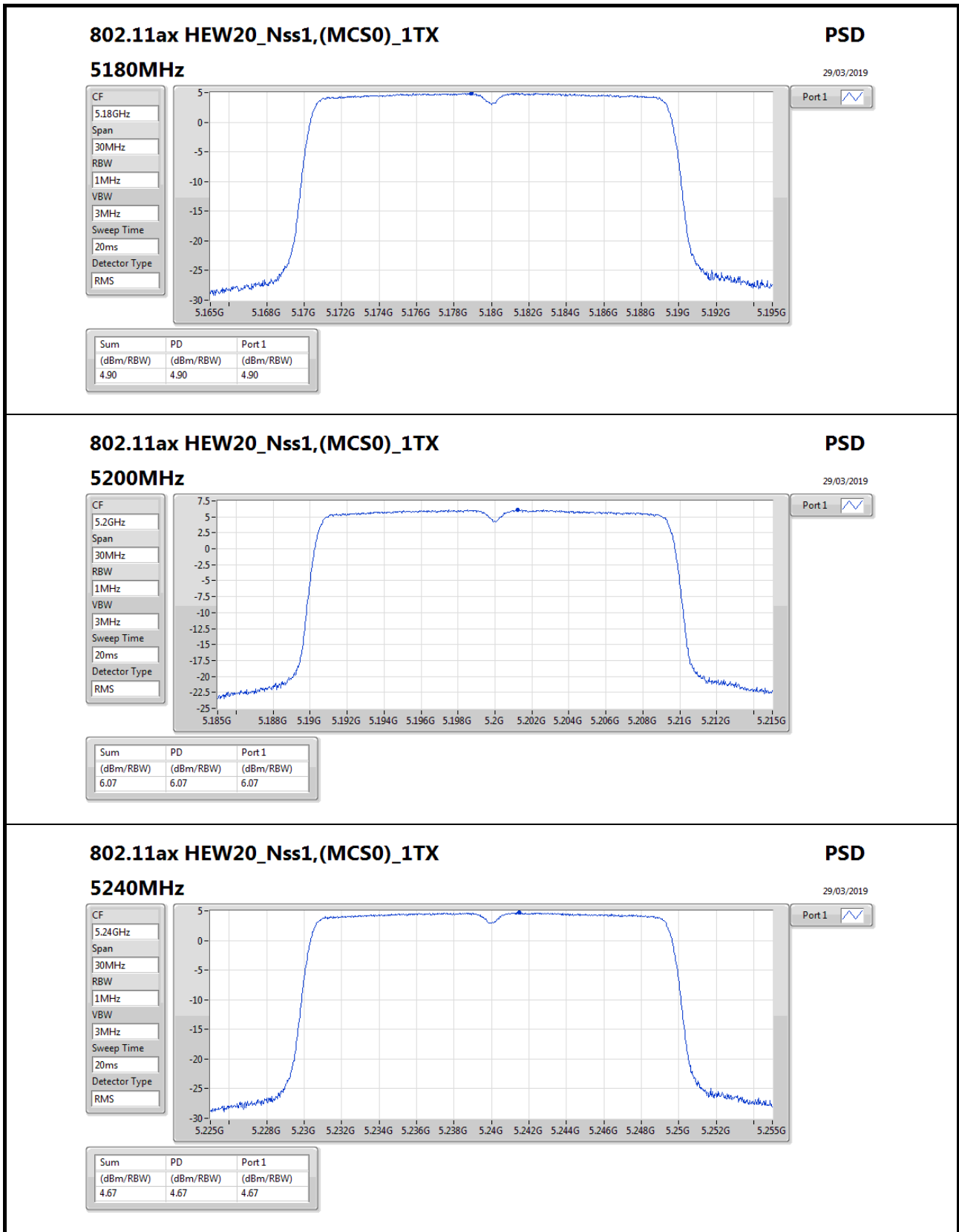
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	7.93	5.89	5.89	15.07
5200MHz	Pass	7.93	7.25	7.25	15.07
5240MHz	Pass	7.93	5.96	5.96	15.07
5745MHz	Pass	7.93	7.39	7.39	28.07
5785MHz	Pass	7.93	7.62	7.62	28.07
5825MHz	Pass	7.93	7.89	7.89	28.07
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	7.93	4.90	4.90	15.07
5200MHz	Pass	7.93	6.07	6.07	15.07
5240MHz	Pass	7.93	4.67	4.67	15.07
5745MHz	Pass	7.93	6.23	6.23	28.07
5785MHz	Pass	7.93	6.54	6.54	28.07
5825MHz	Pass	7.93	6.92	6.92	28.07
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	7.93	-0.09	-0.09	15.07
5230MHz	Pass	7.93	2.15	2.15	15.07
5755MHz	Pass	7.93	4.83	4.83	28.07
5795MHz	Pass	7.93	5.26	5.26	28.07
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	7.93	-2.67	-2.67	15.07
5775MHz	Pass	7.93	0.72	0.72	28.07

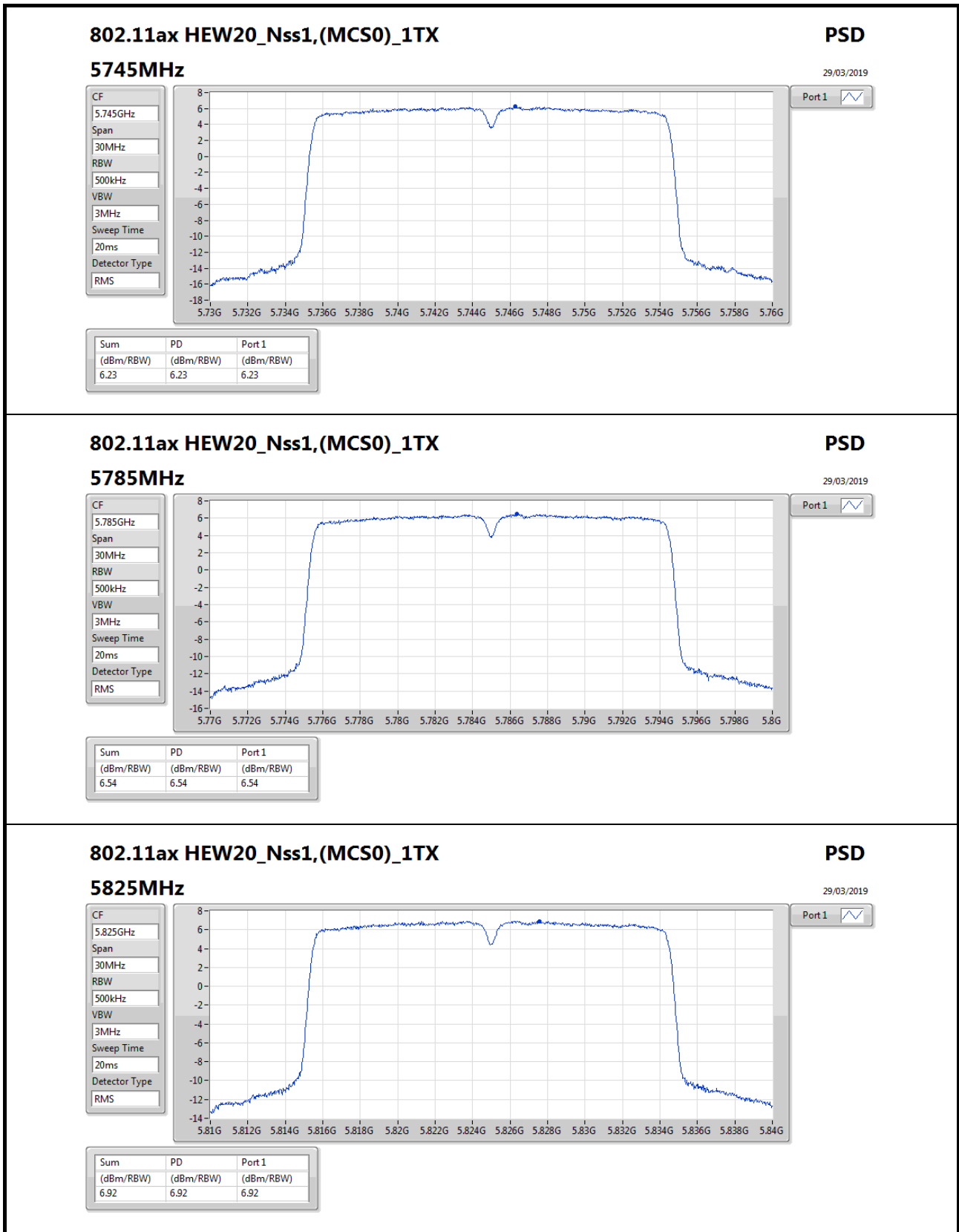
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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









802.11ax HEW20_Nss1,(MCS0)_1TX

5825MHz

PSD

29/03/2019

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)
6.92	6.92	6.92





802.11ax HEW80_Nss1,(MCS0)_1TX

5775MHz

PSD
29/03/2019

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)
0.72	0.72	0.72



For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	8.95
802.11ax HEW40_Nss2,(MCS0)_2TX	5.76
802.11ax HEW80_Nss2,(MCS0)_2TX	-0.66
5.725-5.85GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	9.71
802.11ax HEW40_Nss2,(MCS0)_2TX	7.54
802.11ax HEW80_Nss2,(MCS0)_2TX	1.41

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

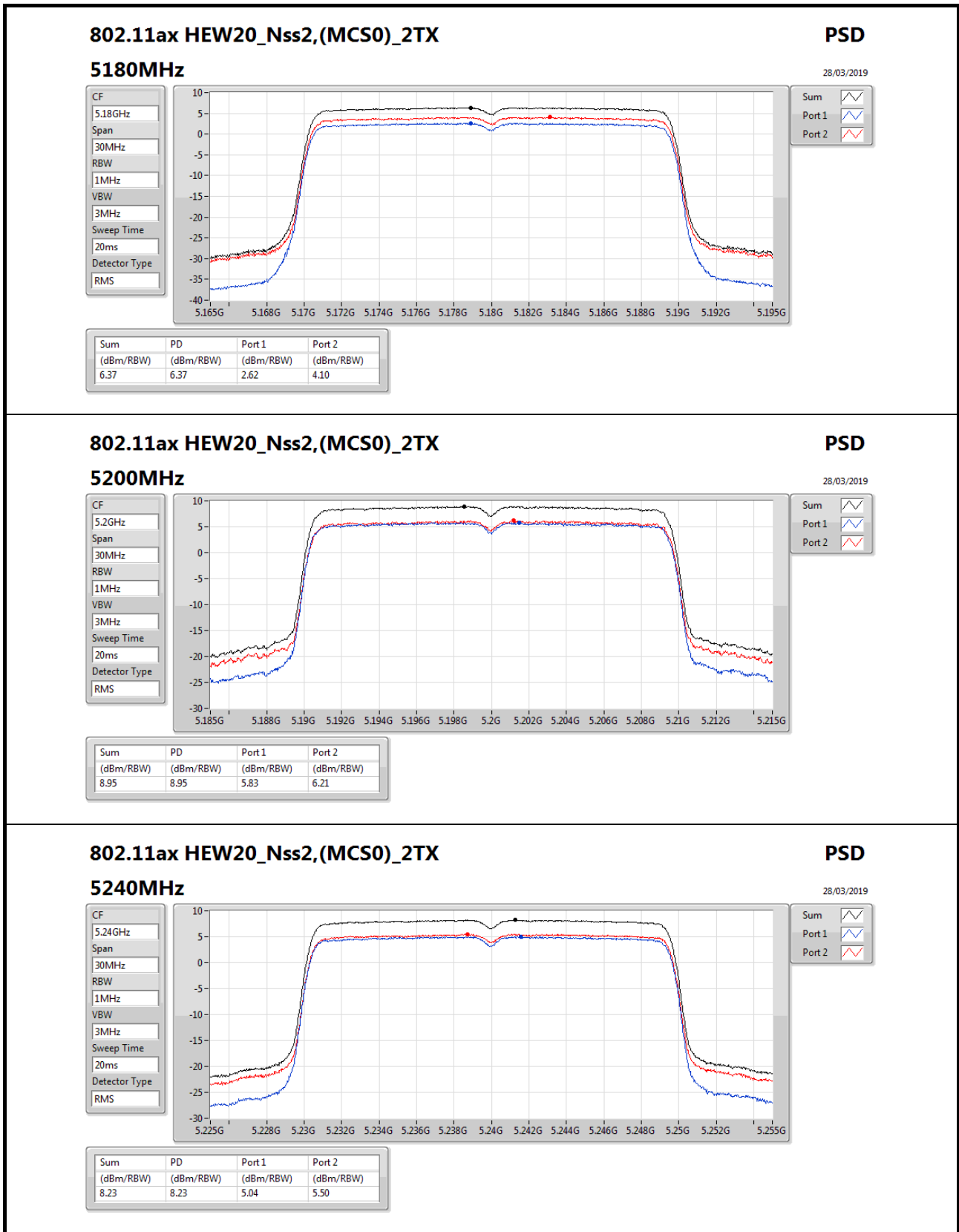


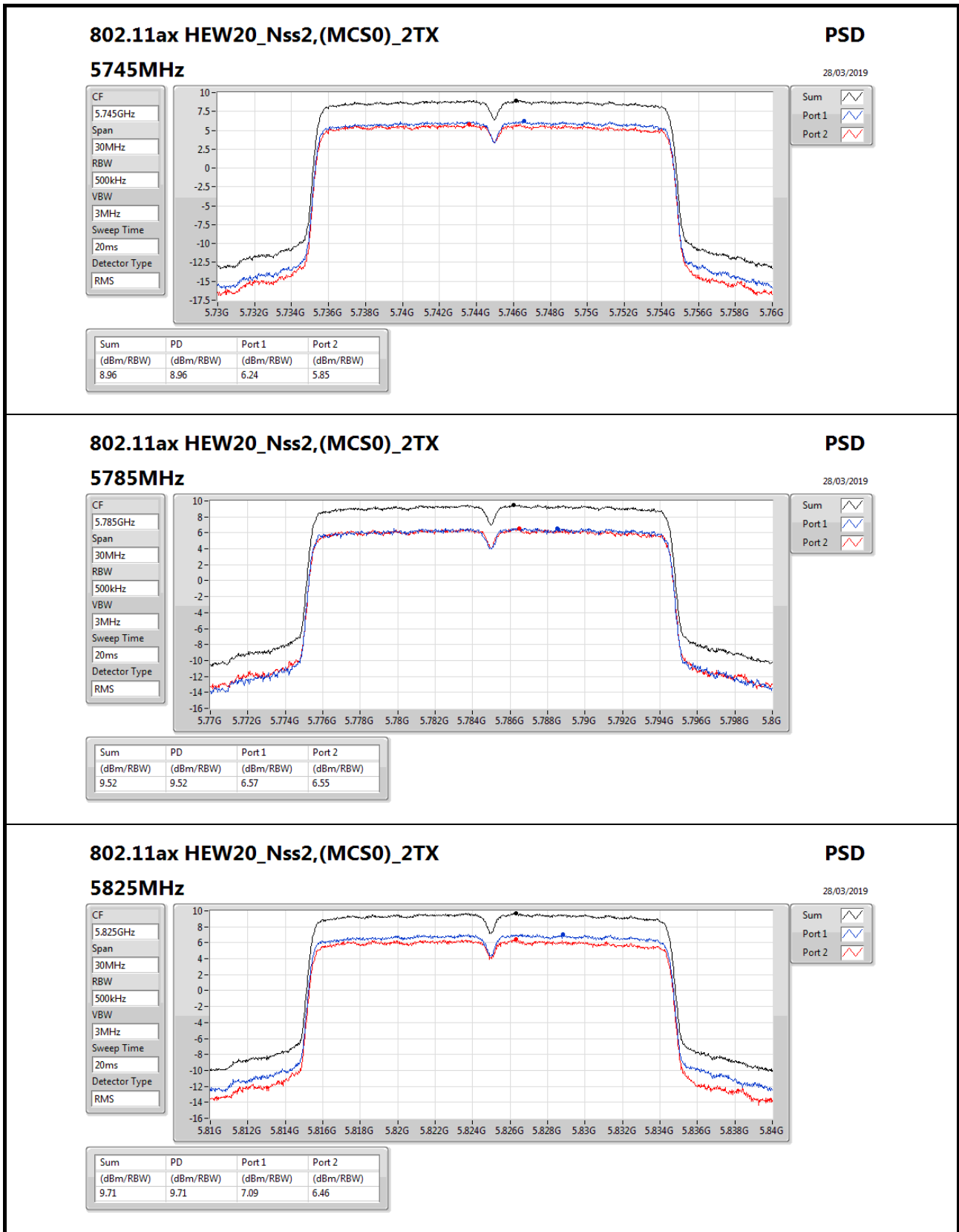
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.93	2.62	4.10	6.37	15.07
5200MHz	Pass	7.93	5.83	6.21	8.95	15.07
5240MHz	Pass	7.93	5.04	5.50	8.23	15.07
5745MHz	Pass	7.93	6.24	5.85	8.96	28.07
5785MHz	Pass	7.93	6.57	6.55	9.52	28.07
5825MHz	Pass	7.93	7.09	6.46	9.71	28.07
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	7.93	0.07	0.63	3.37	15.07
5230MHz	Pass	7.93	2.53	3.01	5.76	15.07
5755MHz	Pass	7.93	3.99	3.63	6.64	28.07
5795MHz	Pass	7.93	4.80	4.55	7.54	28.07
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	7.93	-3.85	-3.46	-0.66	15.07
5775MHz	Pass	7.93	-1.17	-1.88	1.41	28.07

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

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





802.11ax HEW20_Nss2,(MCS0)_2TX

5825MHz

PSD
28/03/2019

CF
5.825GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

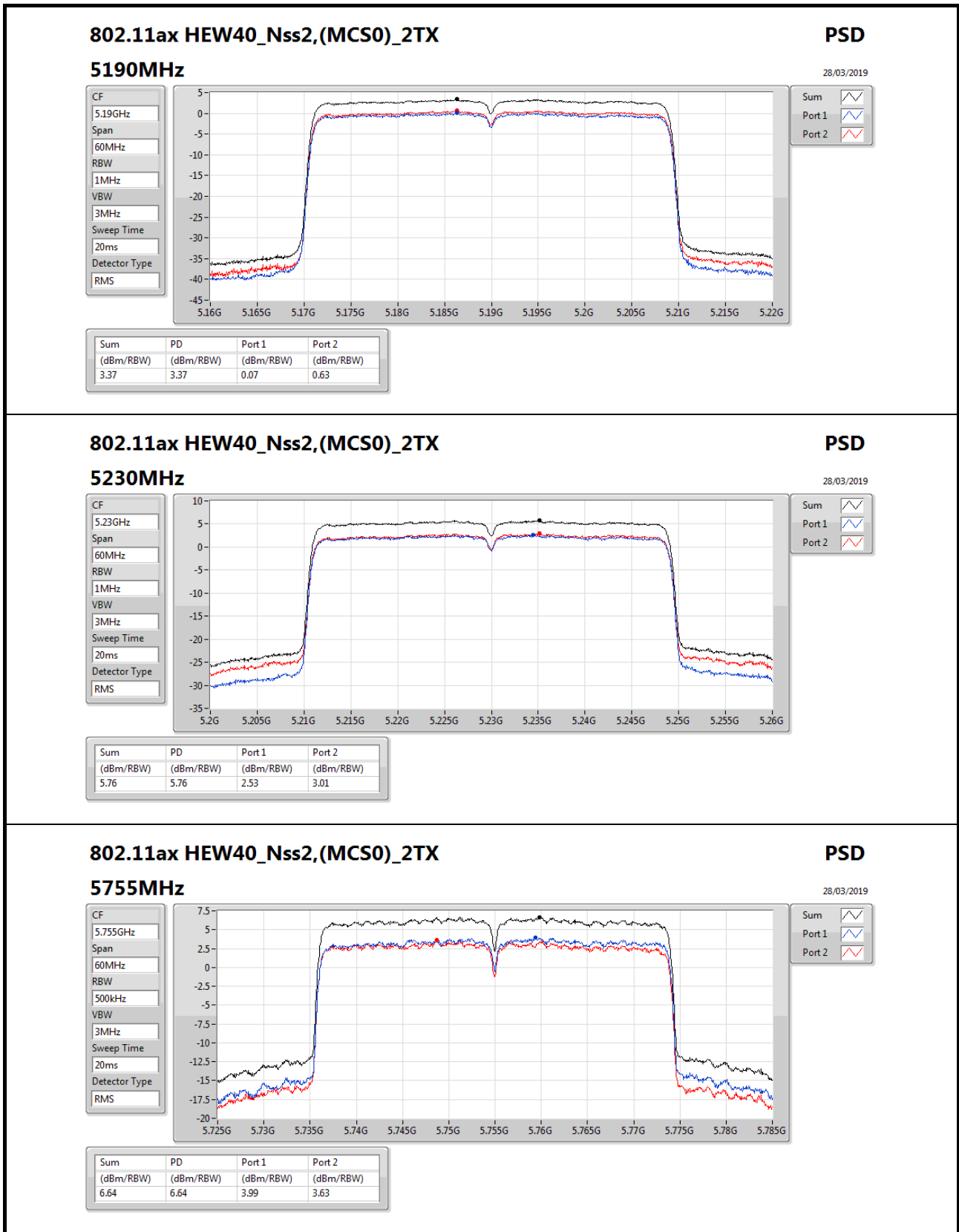
Sweep Time
20ms

Detector Type
RMS

Sum

Port 1

Port 2



802.11ax HEW40_Nss2,(MCS0)_2TX

5755MHz

PSD

28/03/2019

CF

5.755GHz

Span

60MHz

RBW

500kHz

VBW

3MHz

Sweep Time

20ms

Detector Type

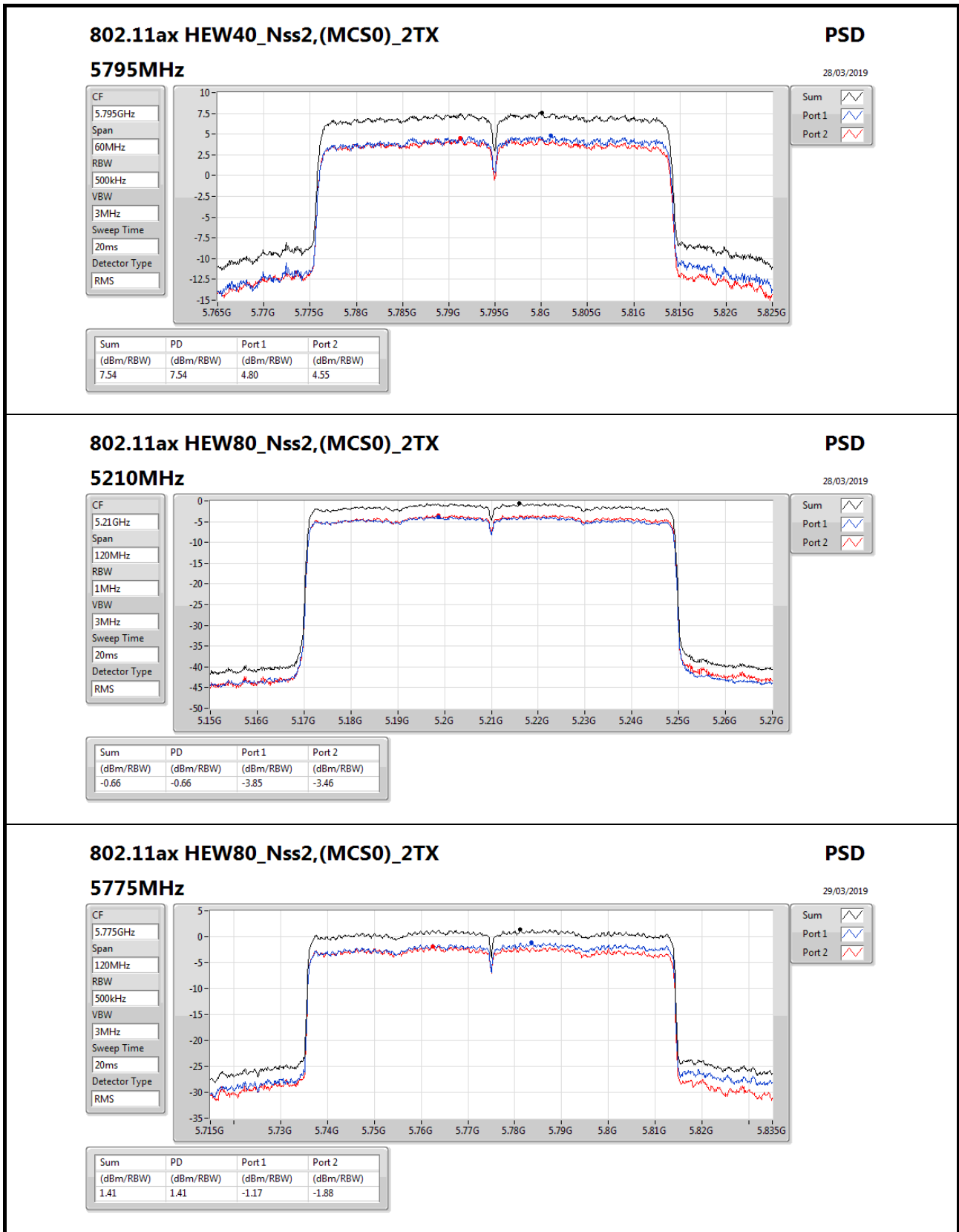
RMS

Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.64	6.64	3.99	3.63





Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	9.04
802.11ax HEW20_Nss1,(MCS0)_4TX	9.03
802.11ax HEW40_Nss1,(MCS0)_4TX	8.13
802.11ax HEW80_Nss1,(MCS0)_4TX	0.80
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	13.04
802.11ax HEW20_Nss1,(MCS0)_4TX	12.22
802.11ax HEW40_Nss1,(MCS0)_4TX	9.21
802.11ax HEW80_Nss1,(MCS0)_4TX	2.34

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

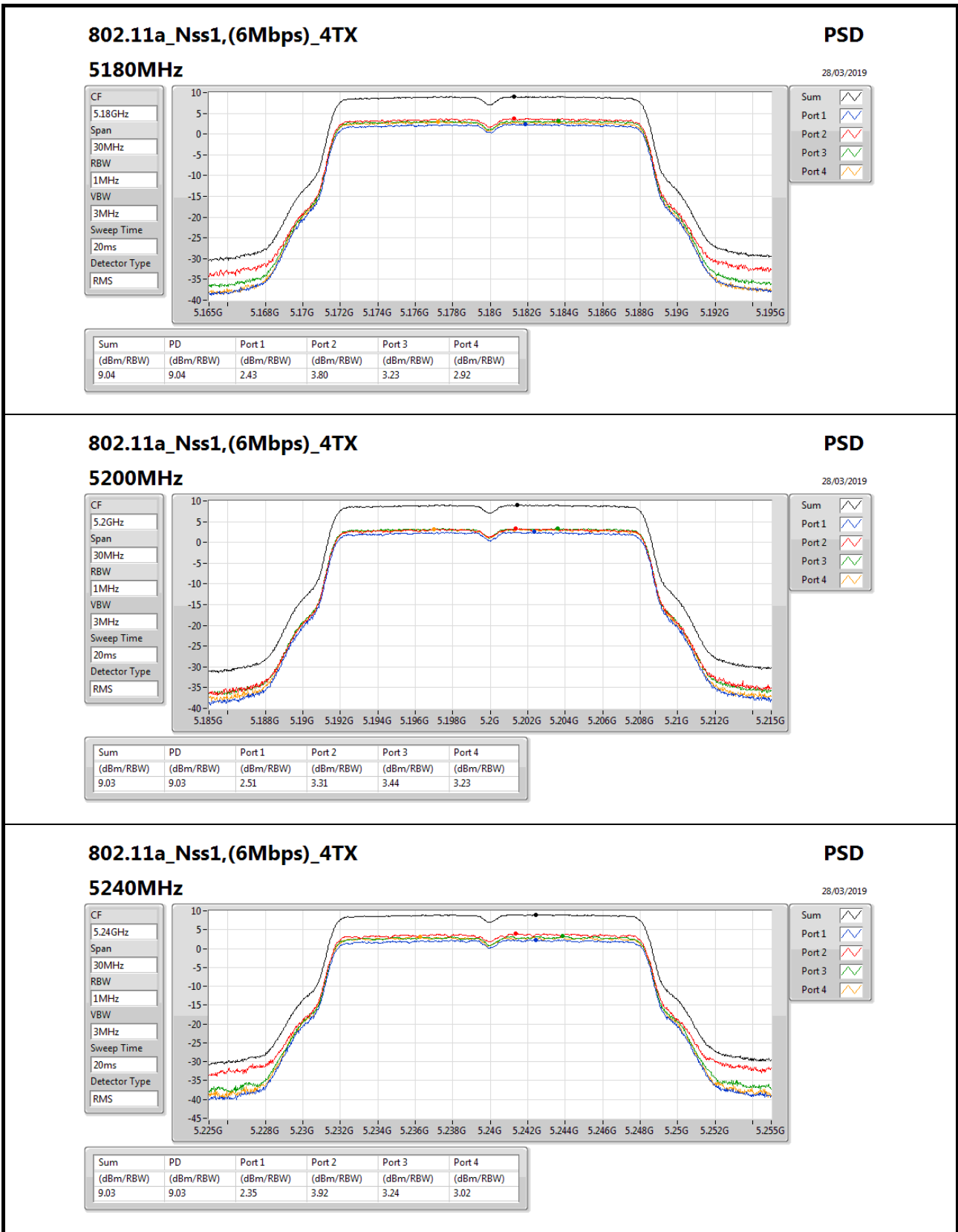


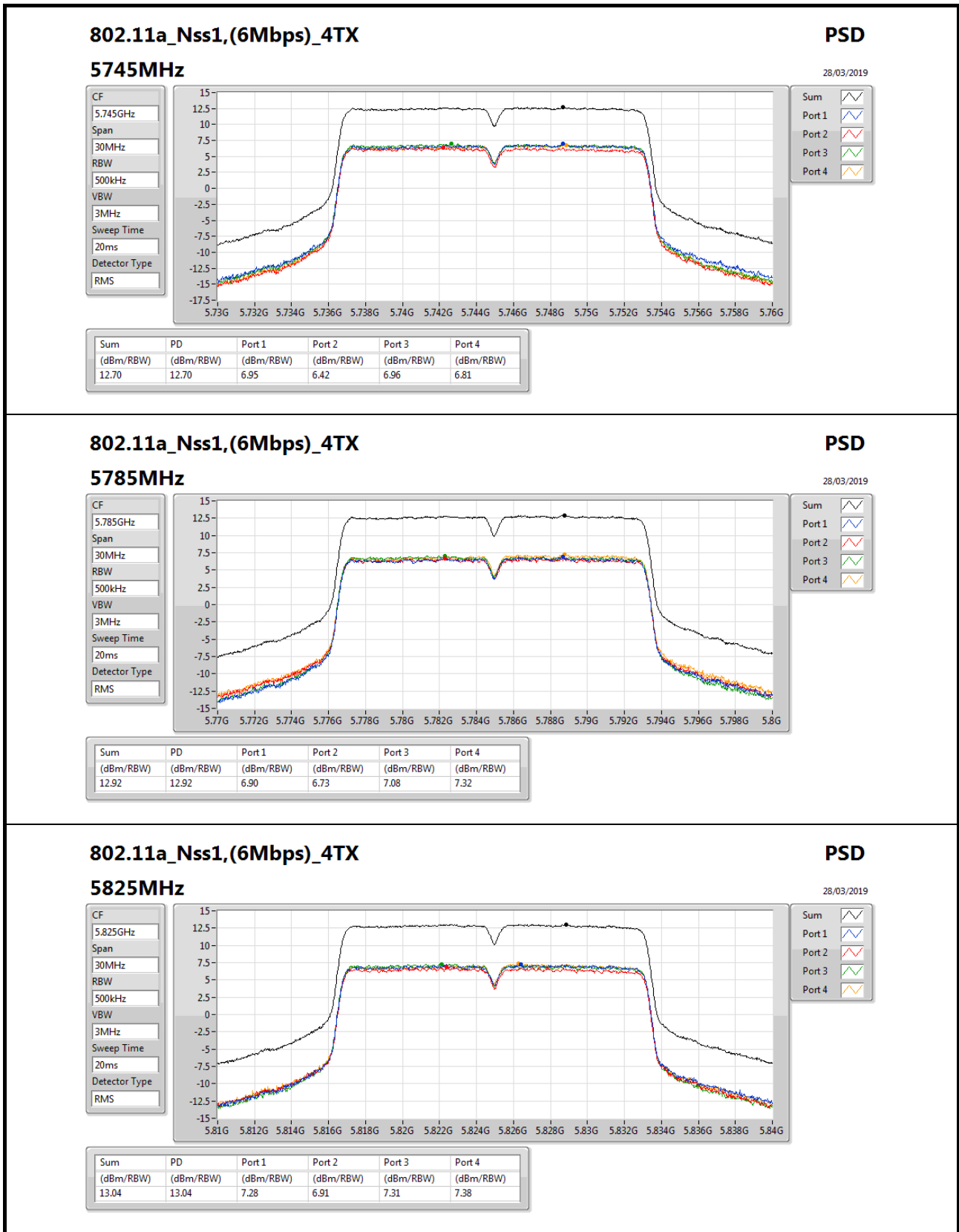
Result

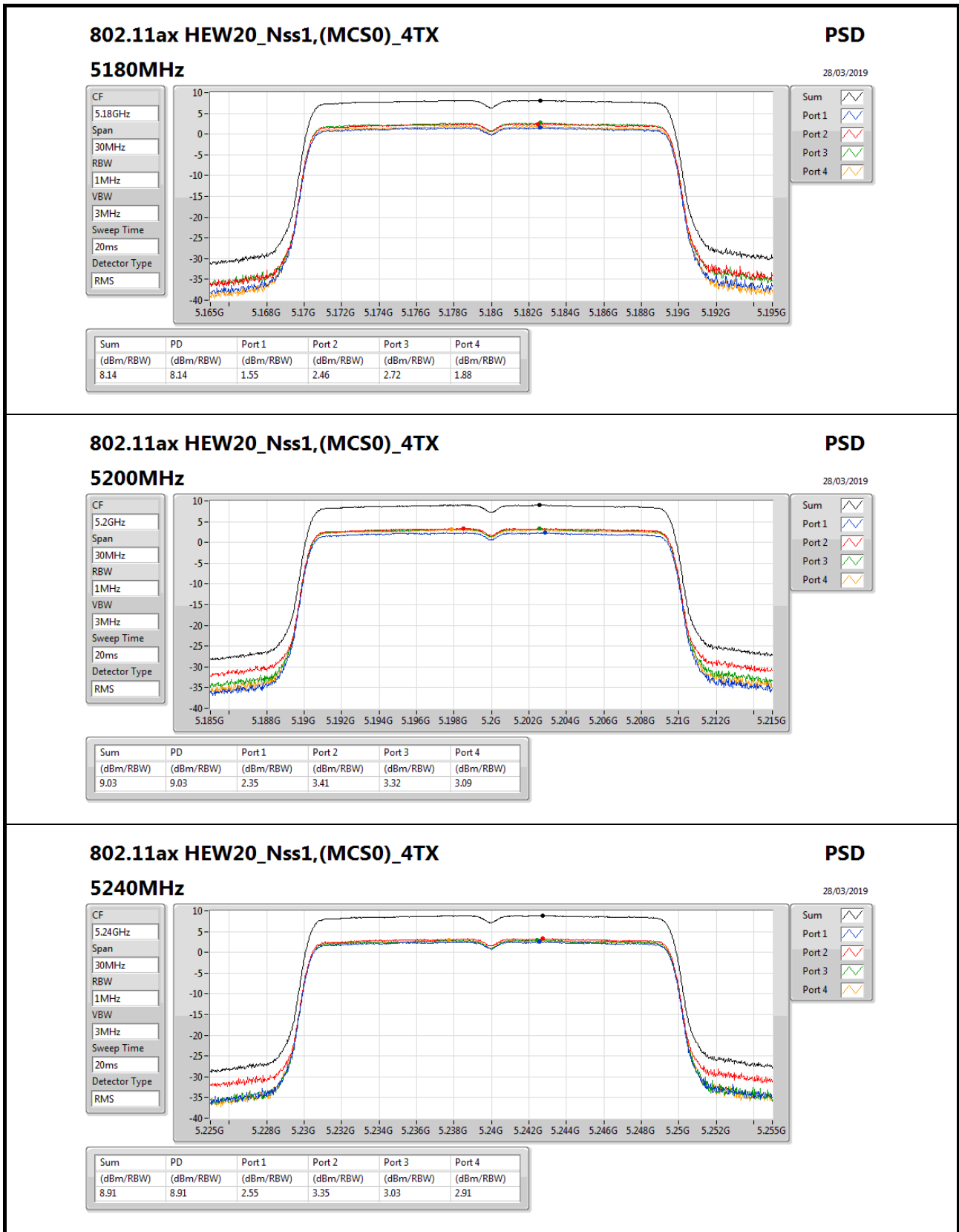
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.95	2.43	3.80	3.23	2.92	9.04	9.05
5200MHz	Pass	13.95	2.51	3.31	3.44	3.23	9.03	9.05
5240MHz	Pass	13.95	2.35	3.92	3.24	3.02	9.03	9.05
5745MHz	Pass	13.95	6.95	6.42	6.96	6.81	12.70	22.05
5785MHz	Pass	13.95	6.90	6.73	7.08	7.32	12.92	22.05
5825MHz	Pass	13.95	7.28	6.91	7.31	7.38	13.04	22.05
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.95	1.55	2.46	2.72	1.88	8.14	9.05
5200MHz	Pass	13.95	2.35	3.41	3.32	3.09	9.03	9.05
5240MHz	Pass	13.95	2.55	3.35	3.03	2.91	8.91	9.05
5745MHz	Pass	13.95	5.64	5.52	5.82	5.81	11.63	22.05
5785MHz	Pass	13.95	6.05	5.80	6.03	6.26	11.95	22.05
5825MHz	Pass	13.95	6.60	5.84	6.44	6.41	12.22	22.05
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	13.95	-2.85	-2.37	-2.31	-2.62	3.41	9.05
5230MHz	Pass	13.95	1.51	2.48	2.53	2.25	8.13	9.05
5755MHz	Pass	13.95	2.49	2.27	2.47	2.44	8.36	22.05
5795MHz	Pass	13.95	3.23	3.25	3.33	3.44	9.21	22.05
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	13.95	-5.67	-4.95	-5.06	-4.71	0.80	9.05
5775MHz	Pass	13.95	-3.61	-3.50	-3.66	-2.84	2.34	22.05

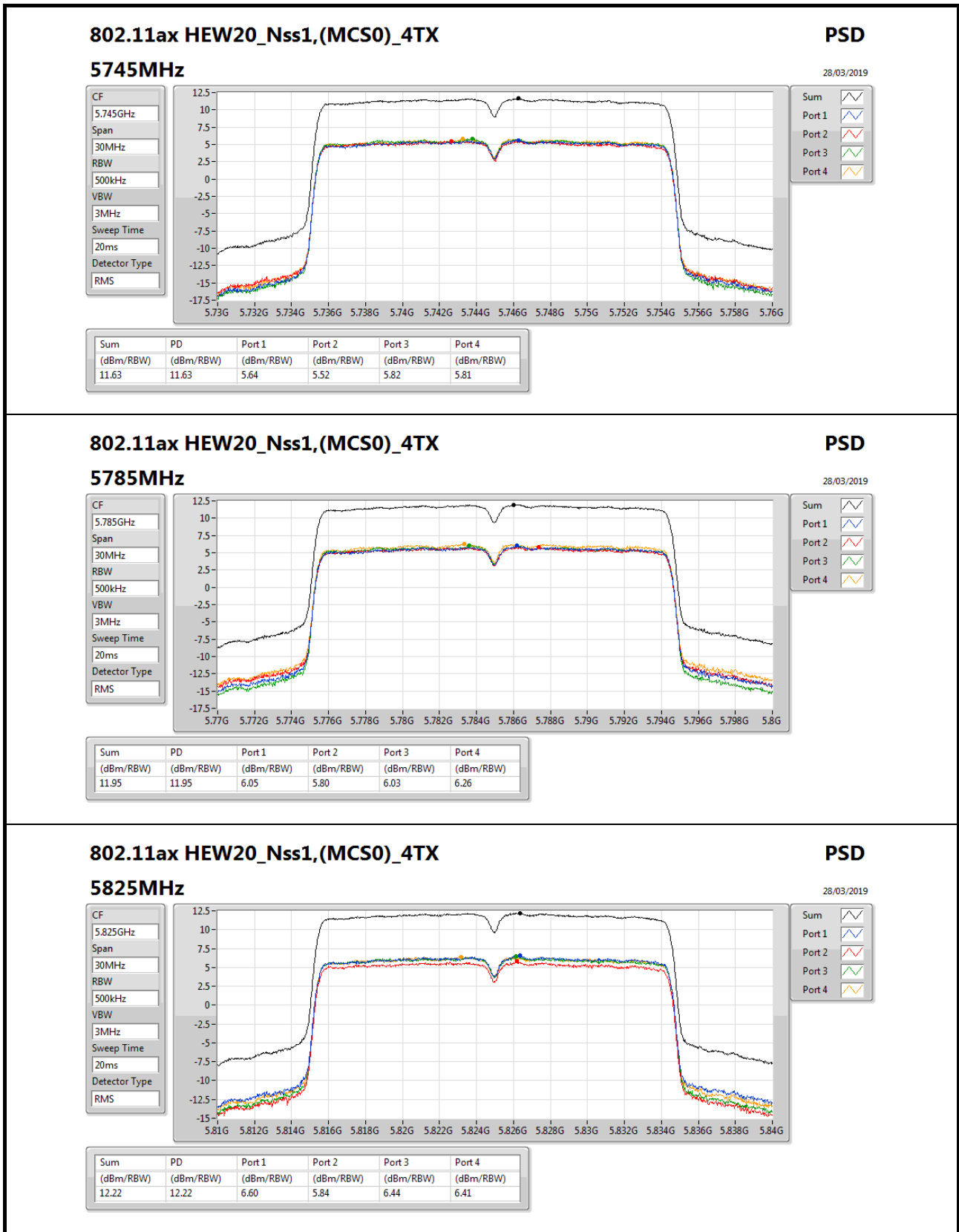
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

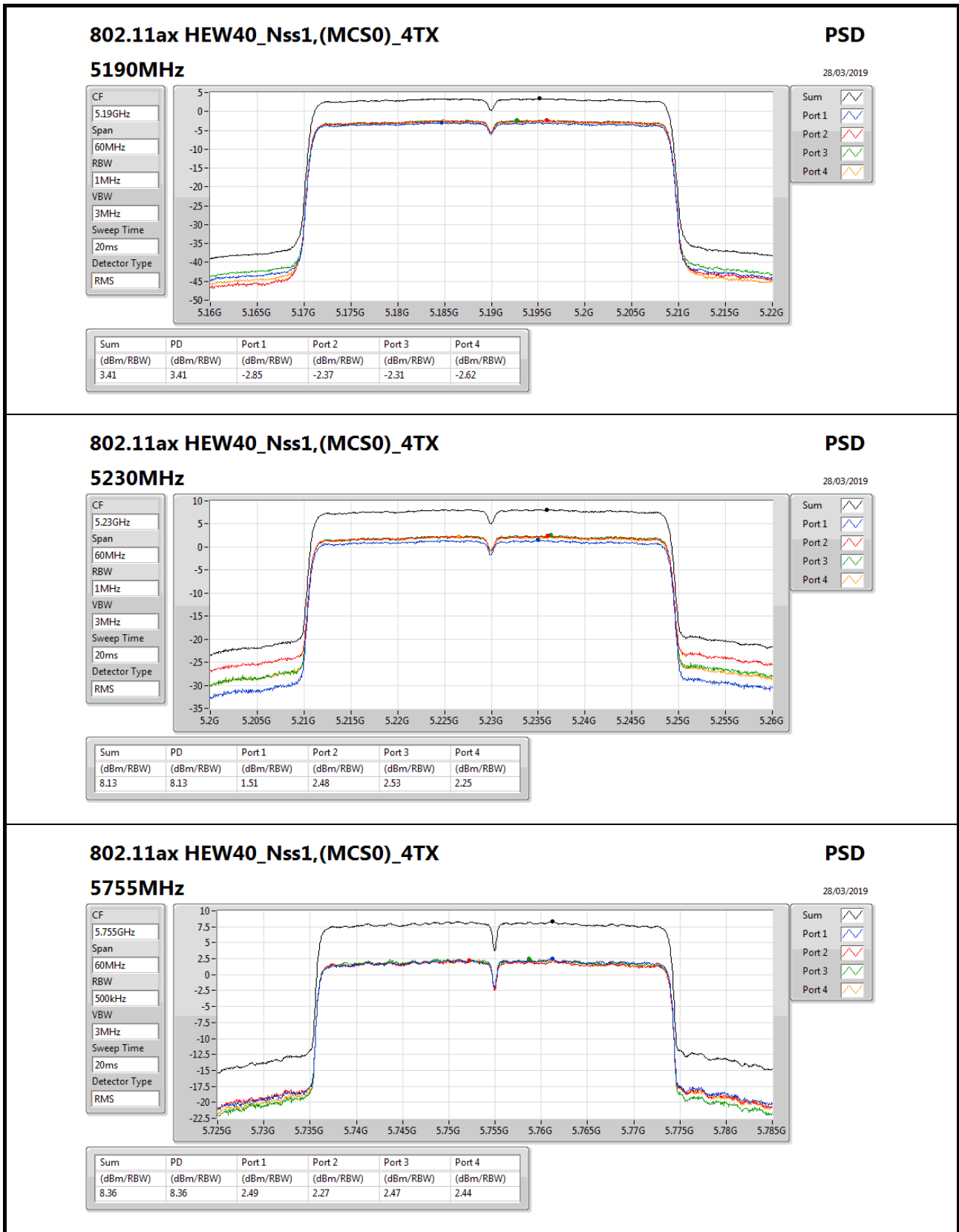
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

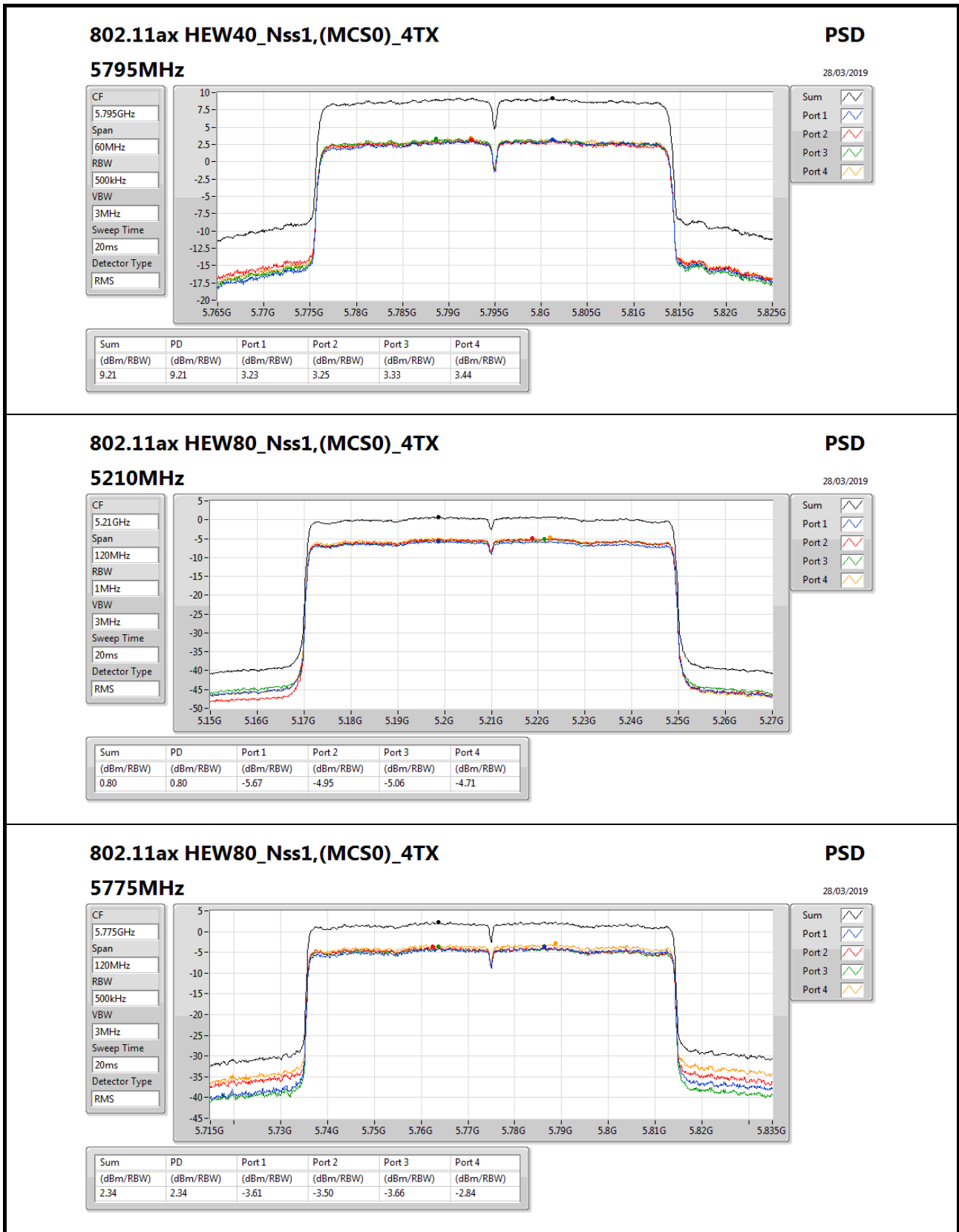














**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	8.17
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	5.49
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-0.49
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	6.80
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.04
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	1.15

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

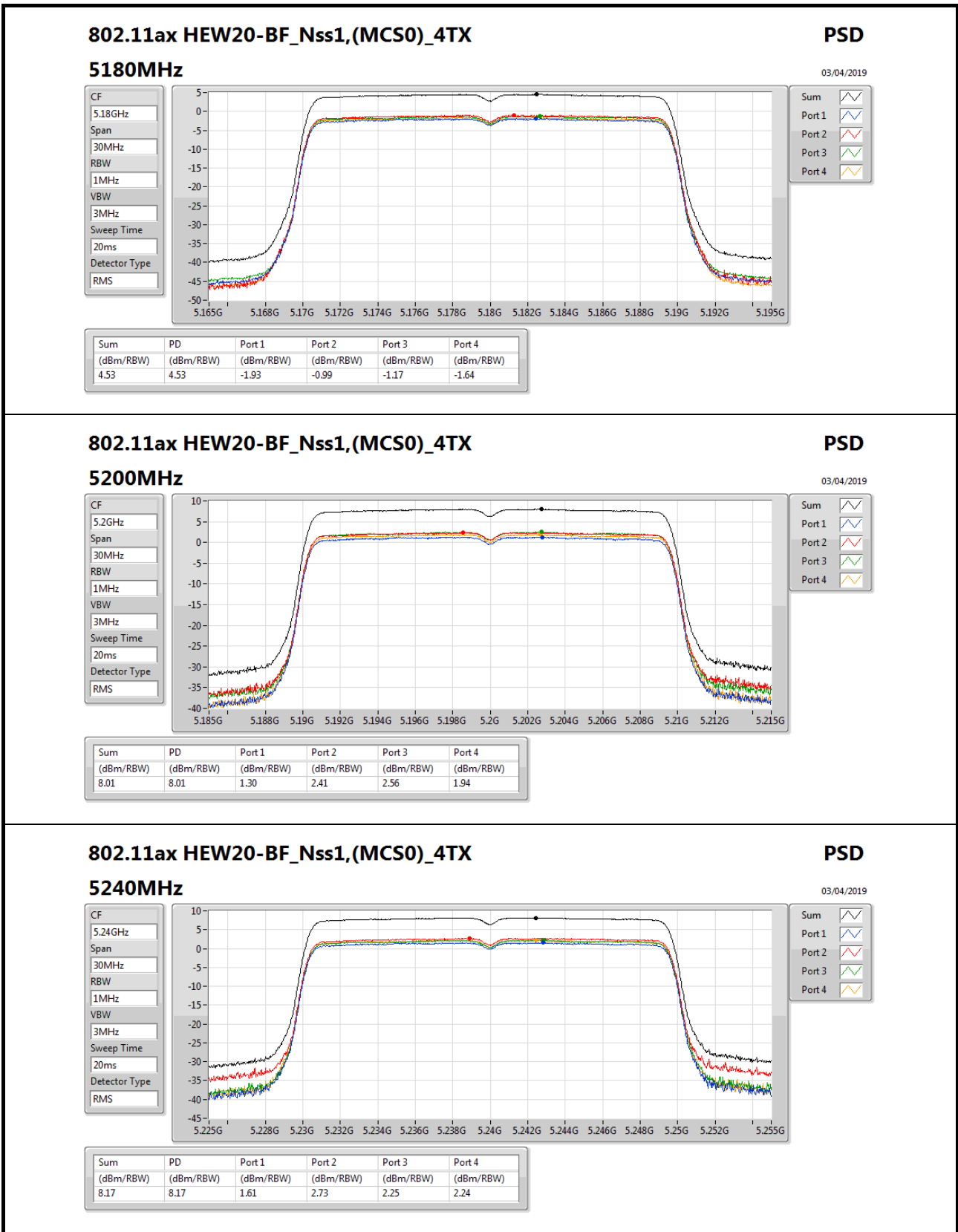


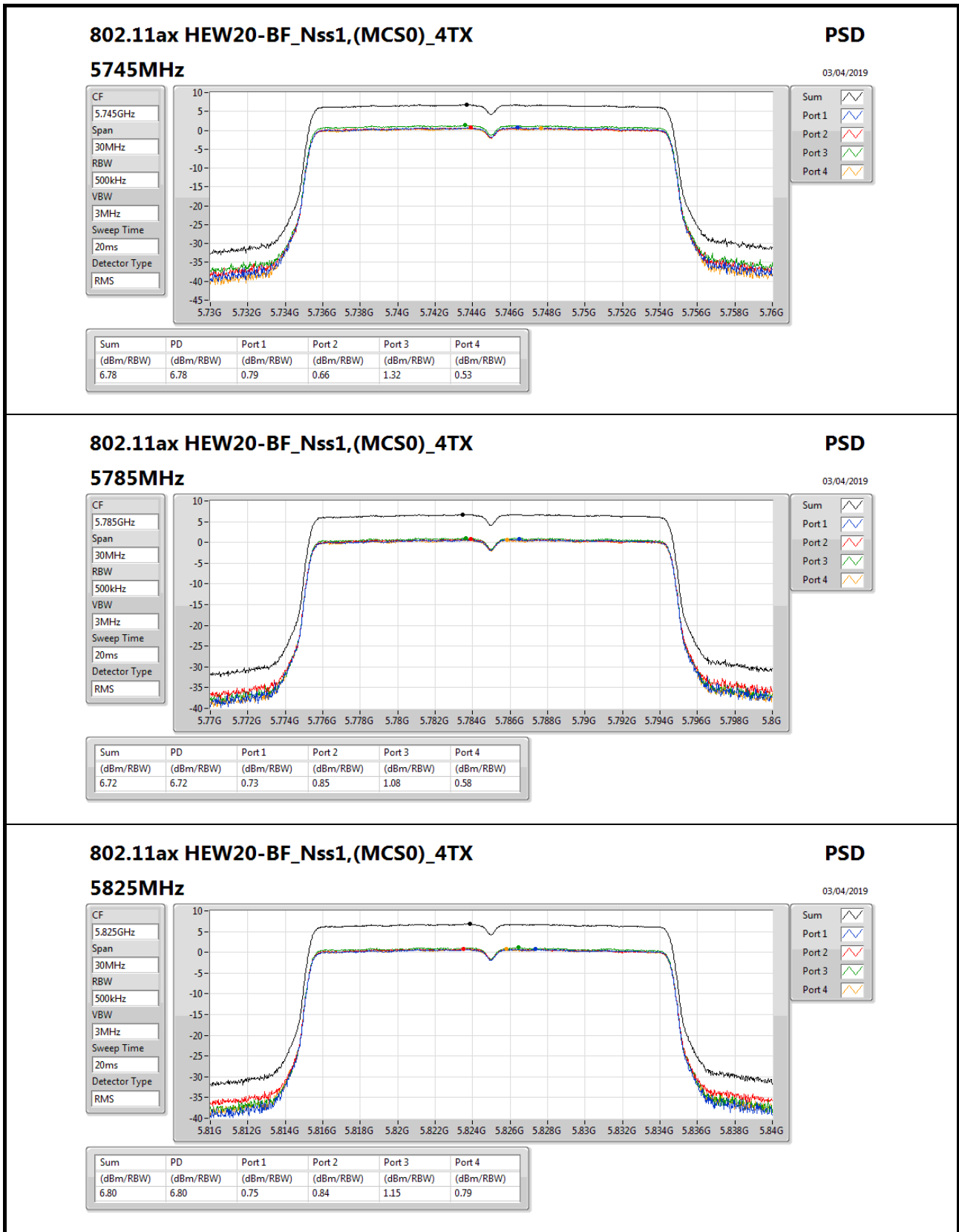
Result

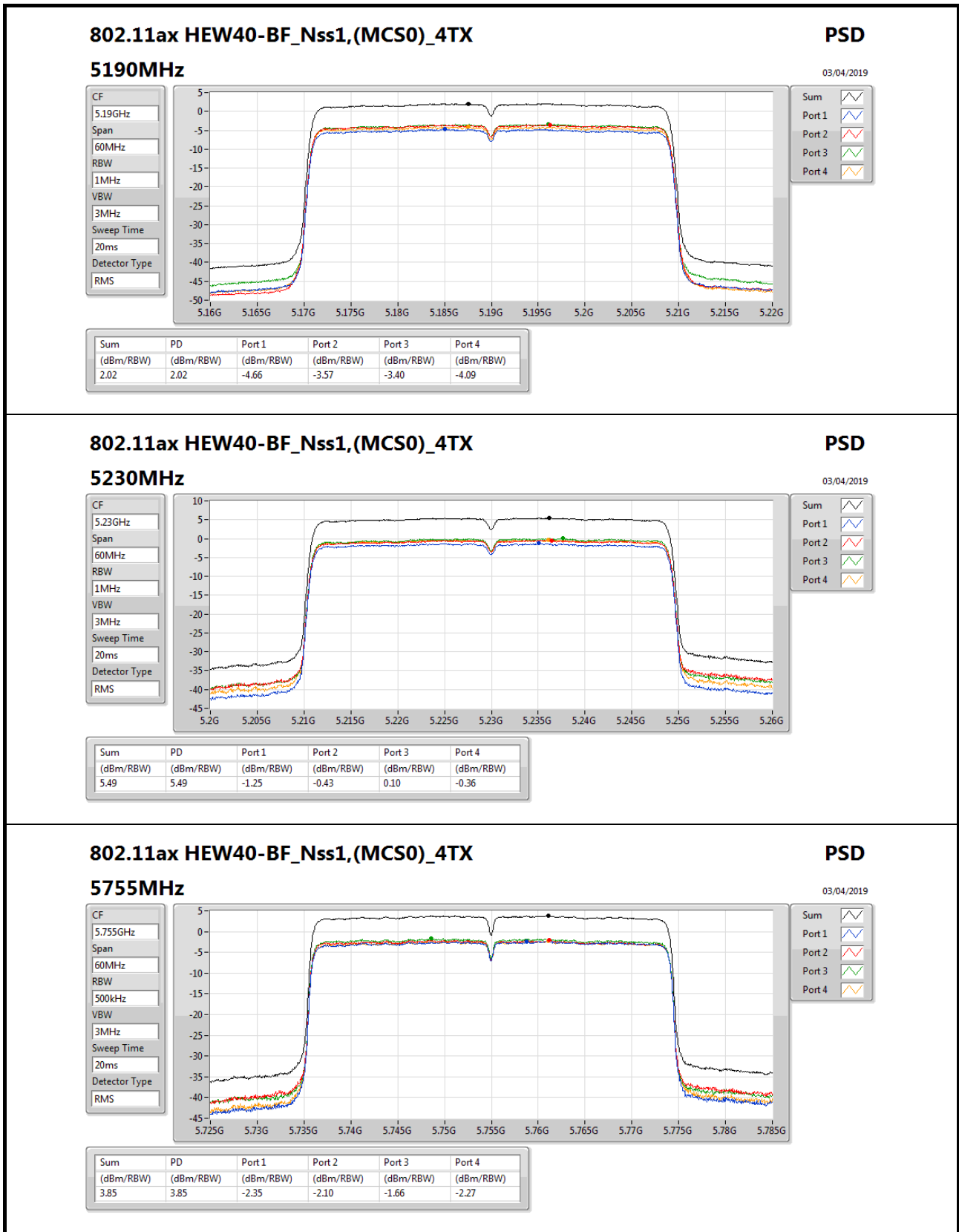
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.95	-1.93	-0.99	-1.17	-1.64	4.53	9.05
5200MHz	Pass	13.95	1.30	2.41	2.56	1.94	8.01	9.05
5240MHz	Pass	13.95	1.61	2.73	2.25	2.24	8.17	9.05
5745MHz	Pass	13.95	0.79	0.66	1.32	0.53	6.78	22.05
5785MHz	Pass	13.95	0.73	0.85	1.08	0.58	6.72	22.05
5825MHz	Pass	13.95	0.75	0.84	1.15	0.79	6.80	22.05
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	13.95	-4.66	-3.57	-3.40	-4.09	2.02	9.05
5230MHz	Pass	13.95	-1.25	-0.43	0.10	-0.36	5.49	9.05
5755MHz	Pass	13.95	-2.35	-2.10	-1.66	-2.27	3.85	22.05
5795MHz	Pass	13.95	-1.89	-1.89	-1.88	-1.96	4.04	22.05
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	13.95	-7.03	-5.92	-6.37	-6.30	-0.49	9.05
5775MHz	Pass	13.95	-5.20	-4.49	-4.36	-4.90	1.15	22.05

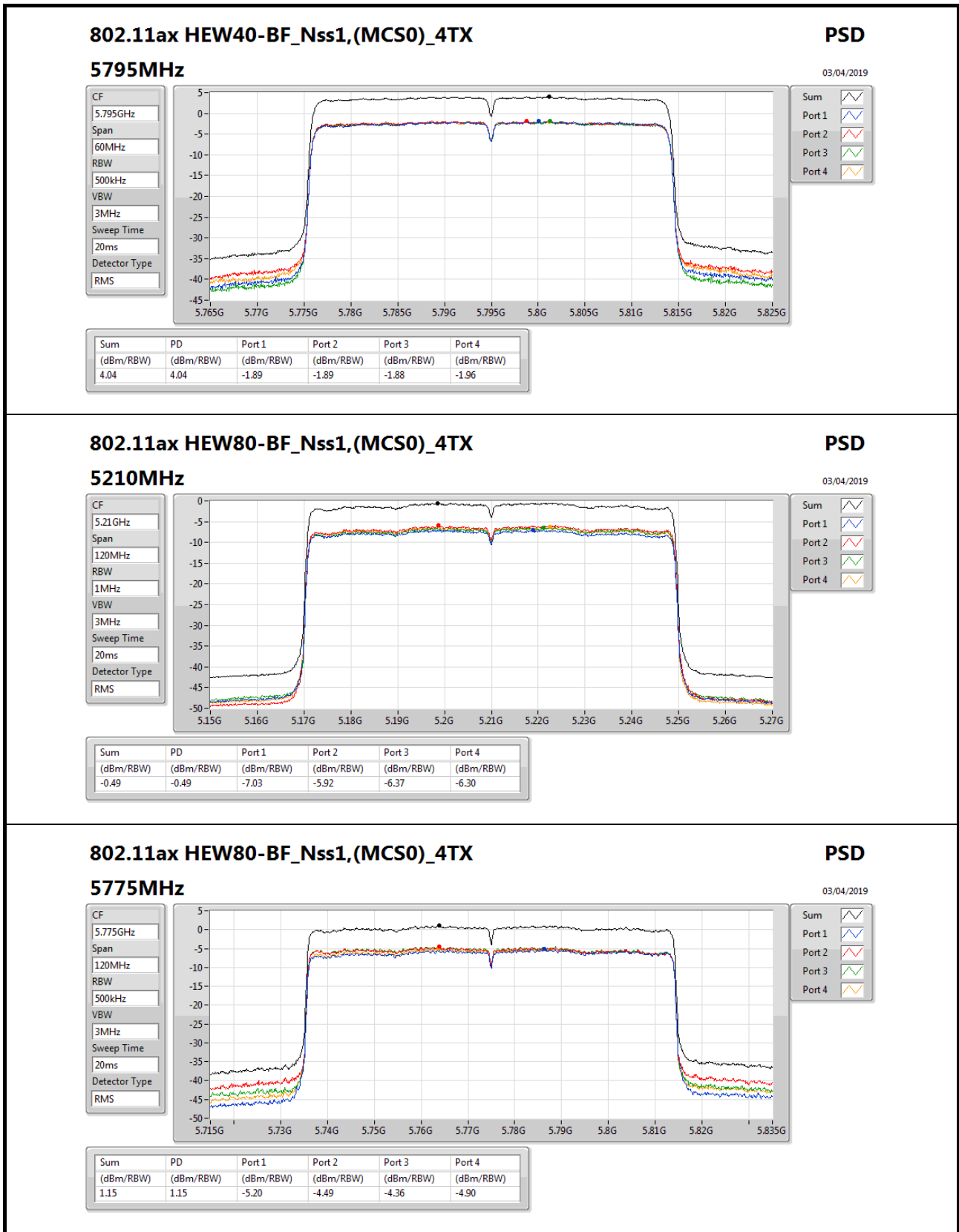
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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











**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	11.52
802.11ax HEW40_Nss4,(MCS0)_4TX	7.43
802.11ax HEW80_Nss4,(MCS0)_4TX	0.41
5.725-5.85GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	11.88
802.11ax HEW40_Nss4,(MCS0)_4TX	9.34
802.11ax HEW80_Nss4,(MCS0)_4TX	2.65

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

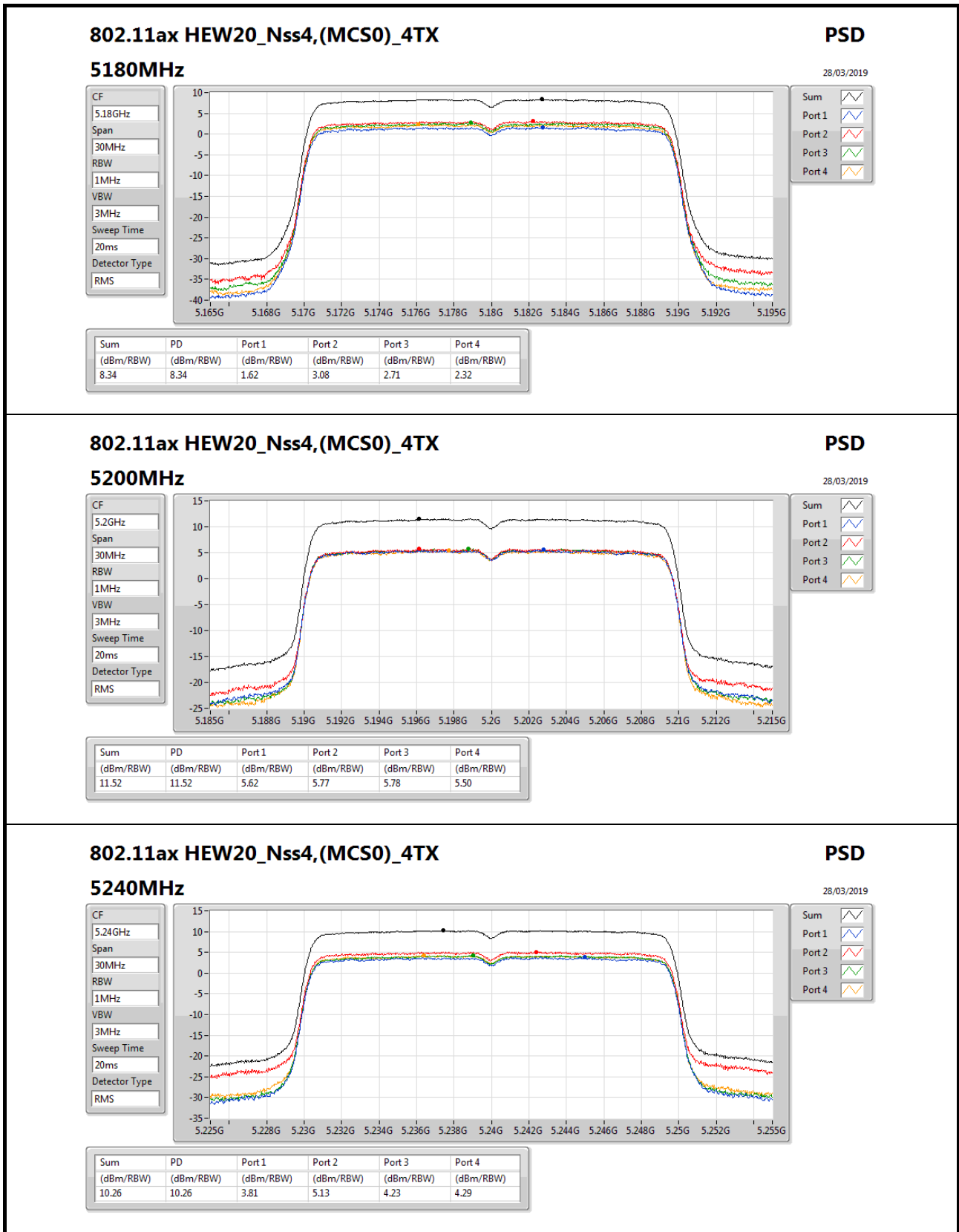


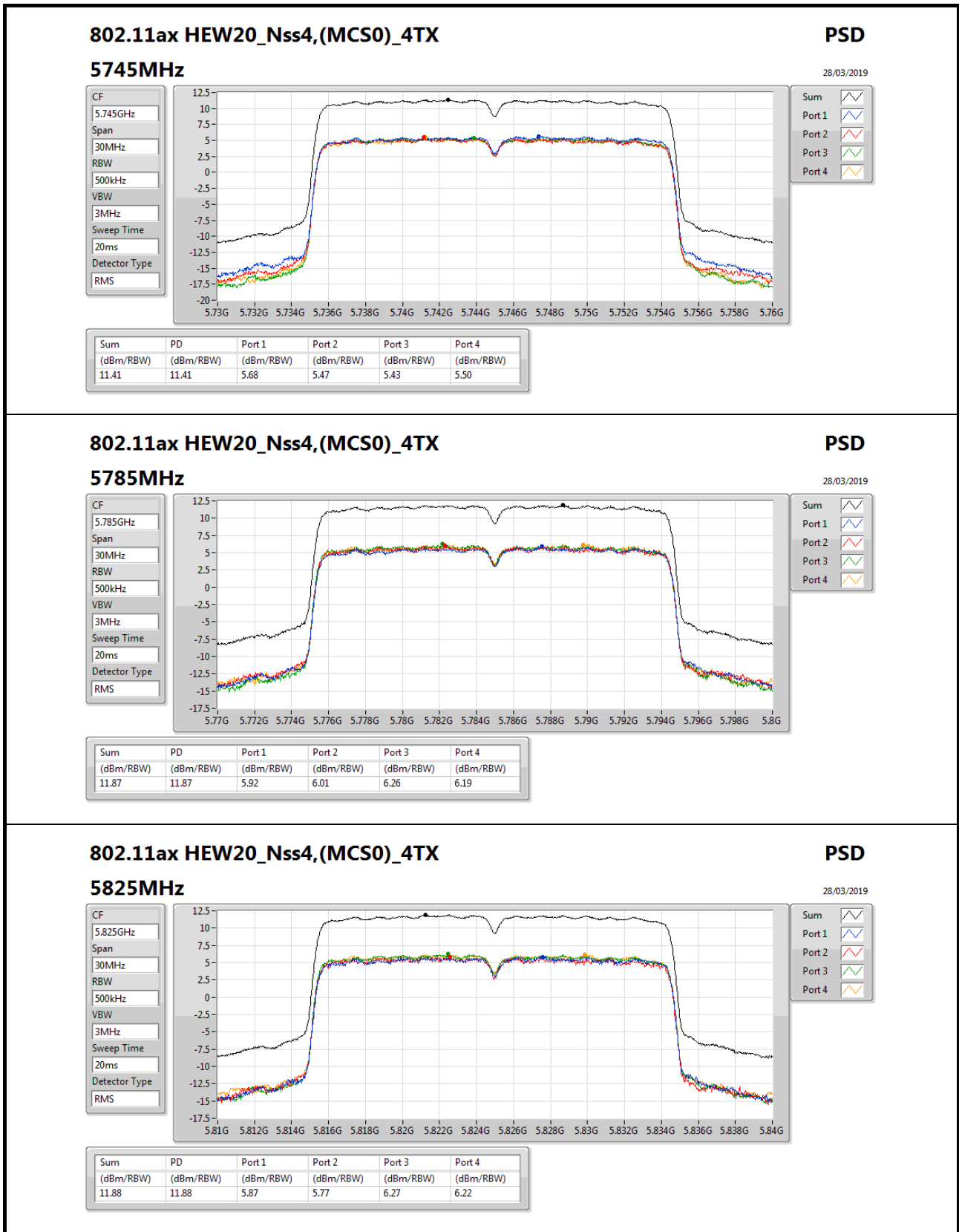
Result

Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.93	1.62	3.08	2.71	2.32	8.34	15.07
5200MHz	Pass	7.93	5.62	5.77	5.78	5.50	11.52	15.07
5240MHz	Pass	7.93	3.81	5.13	4.23	4.29	10.26	15.07
5745MHz	Pass	7.93	5.68	5.47	5.43	5.50	11.41	28.07
5785MHz	Pass	7.93	5.92	6.01	6.26	6.19	11.87	28.07
5825MHz	Pass	7.93	5.87	5.77	6.27	6.22	11.88	28.07
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.93	-4.36	-3.25	-2.98	-3.39	2.42	15.07
5230MHz	Pass	7.93	0.47	1.82	1.96	1.54	7.43	15.07
5755MHz	Pass	7.93	2.33	2.27	2.85	2.78	8.38	28.07
5795MHz	Pass	7.93	3.46	3.39	3.59	3.83	9.34	28.07
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.93	-6.46	-4.82	-5.74	-5.21	0.41	15.07
5775MHz	Pass	7.93	-4.12	-2.96	-3.11	-2.76	2.65	28.07

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

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





802.11ax HEW20_Nss4,(MCS0)_4TX

5825MHz

PSD
28/03/2019

CF
5.825GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

Sum

Port 1

Port 2

Port 3

Port 4

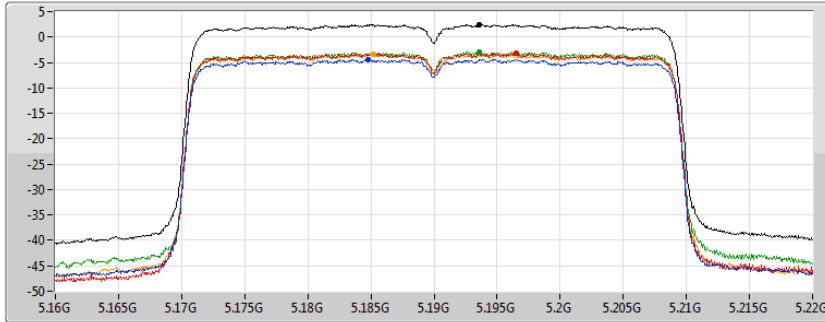
802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5190MHz

28/03/2019

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
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)
2.42	2.42	-4.36	-3.25	-2.98	-3.39

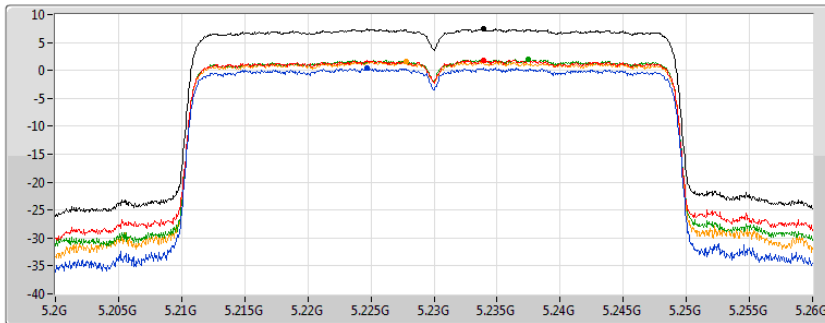
802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5230MHz

28/03/2019

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
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)
7.43	7.43	0.47	1.82	1.96	1.54

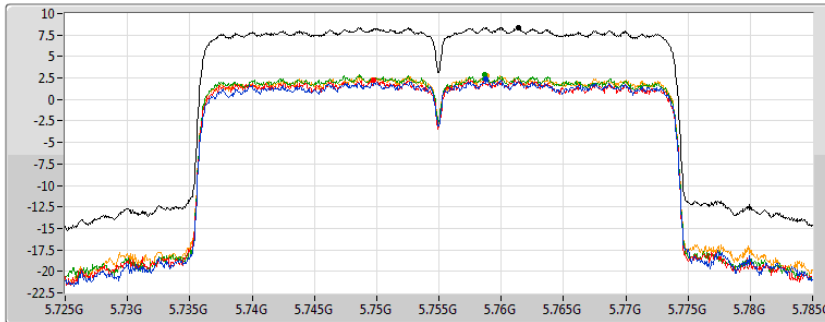
802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5755MHz

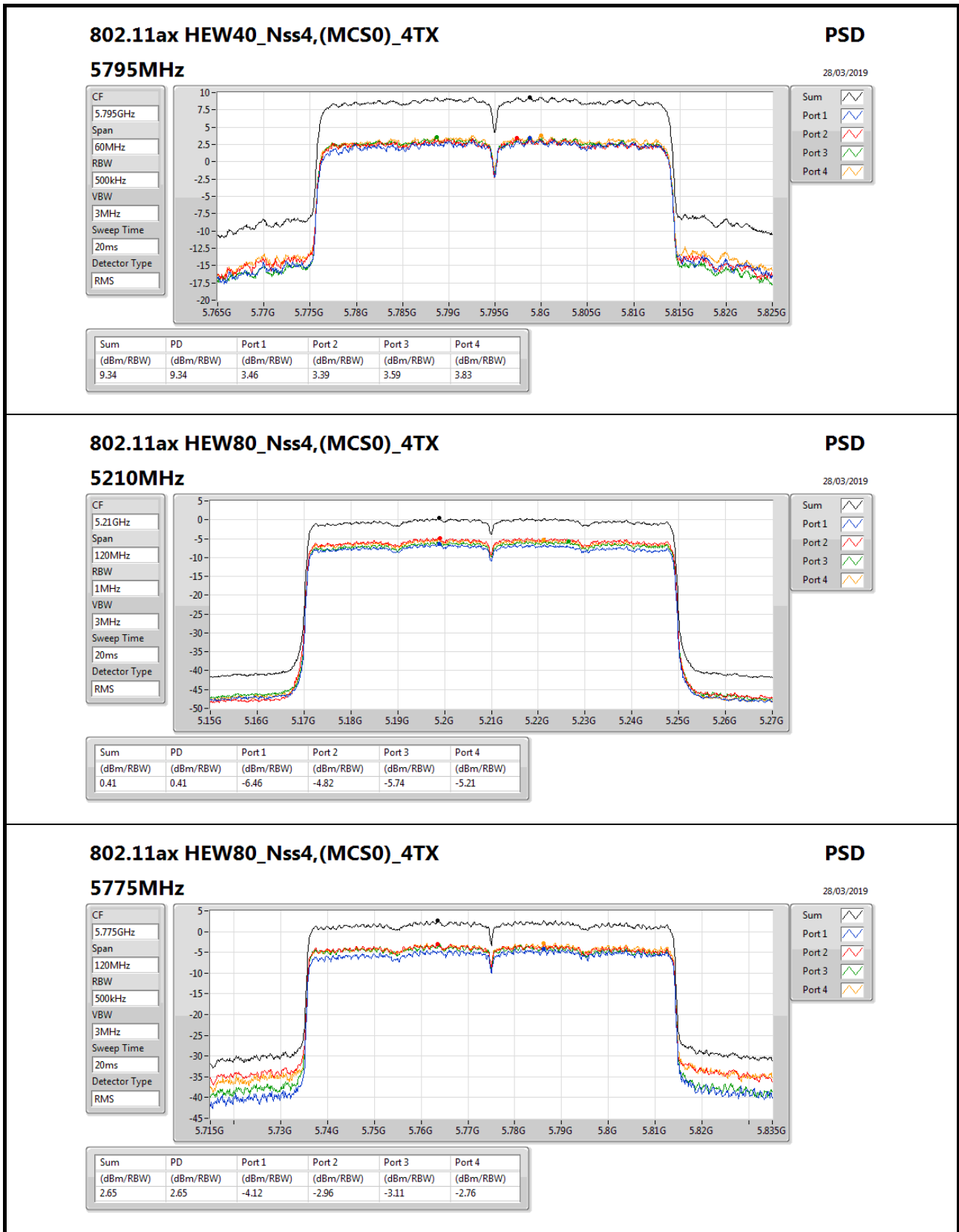
28/03/2019

CF
5.755GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
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)
8.38	8.38	2.33	2.27	2.85	2.78



802.11ax HEW80_Nss4,(MCS0)_4TX

5775MHz

PSD
28/03/2019

CF
5.775GHz

Span
120MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

Sum

Port 1

Port 2

Port 3

Port 4



**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	1.83
802.11ax HEW20_Nss1,(MCS0)_1TX	1.28
802.11ax HEW40_Nss1,(MCS0)_1TX	-1.51
802.11ax HEW80_Nss1,(MCS0)_1TX	-4.27

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

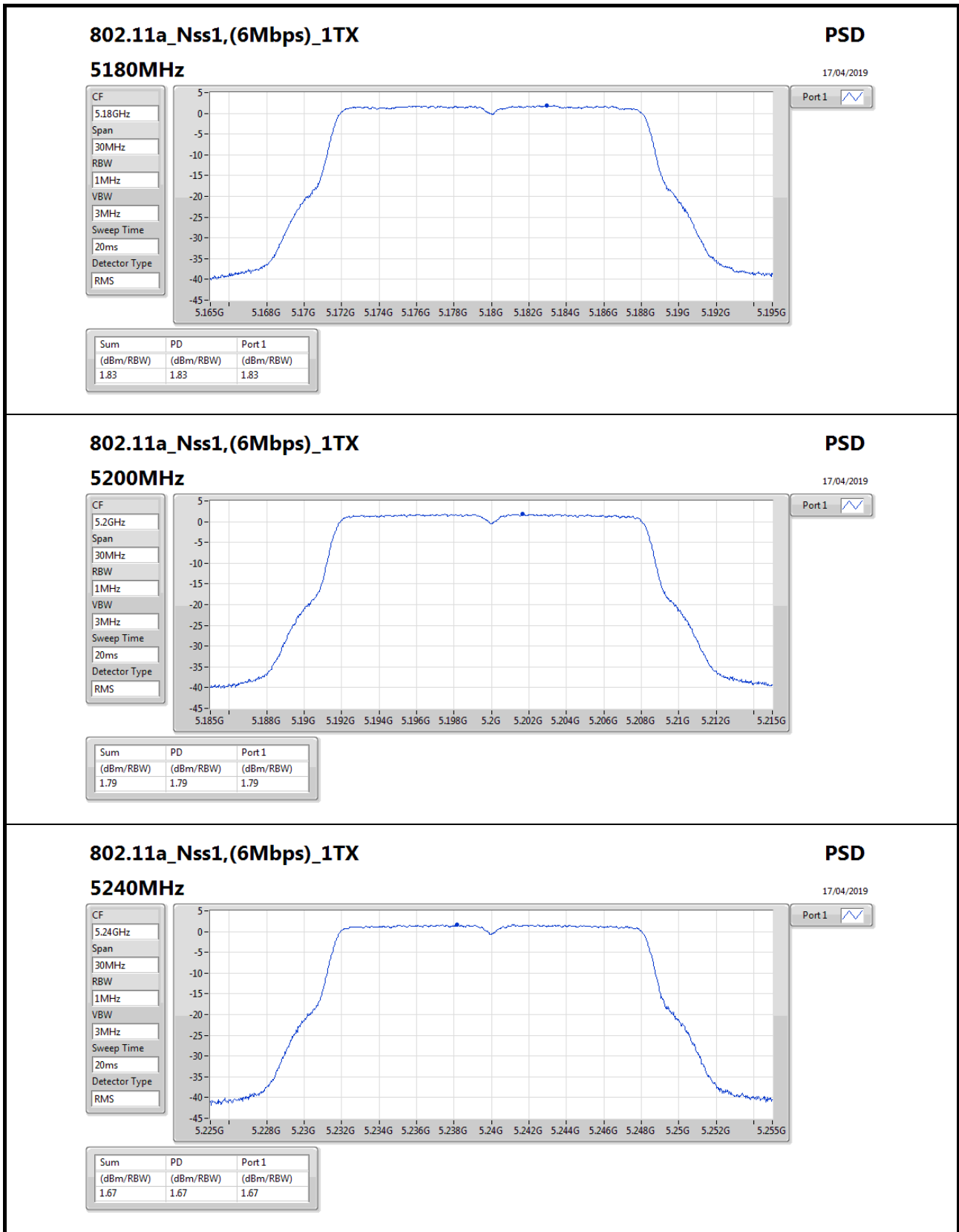


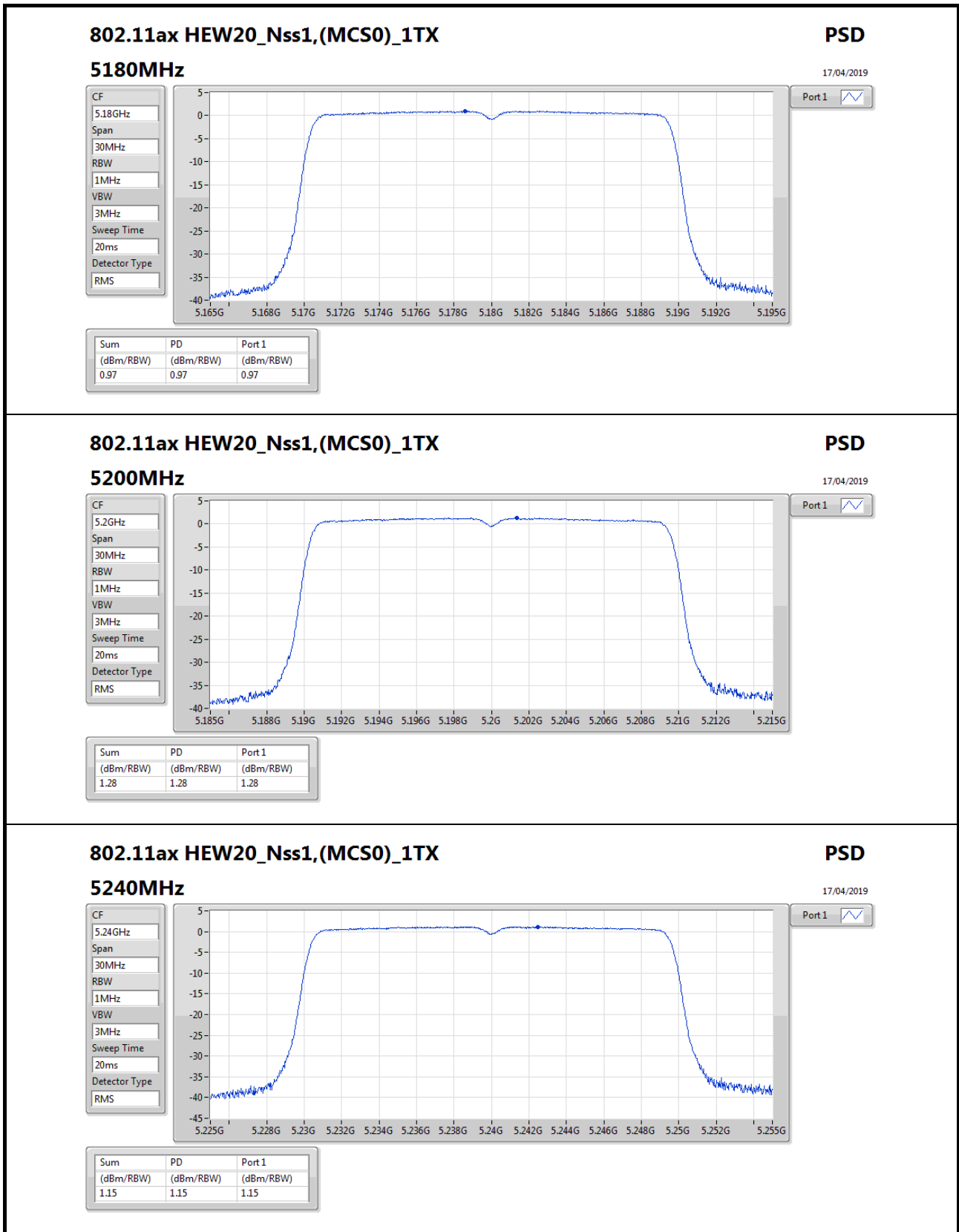
Result

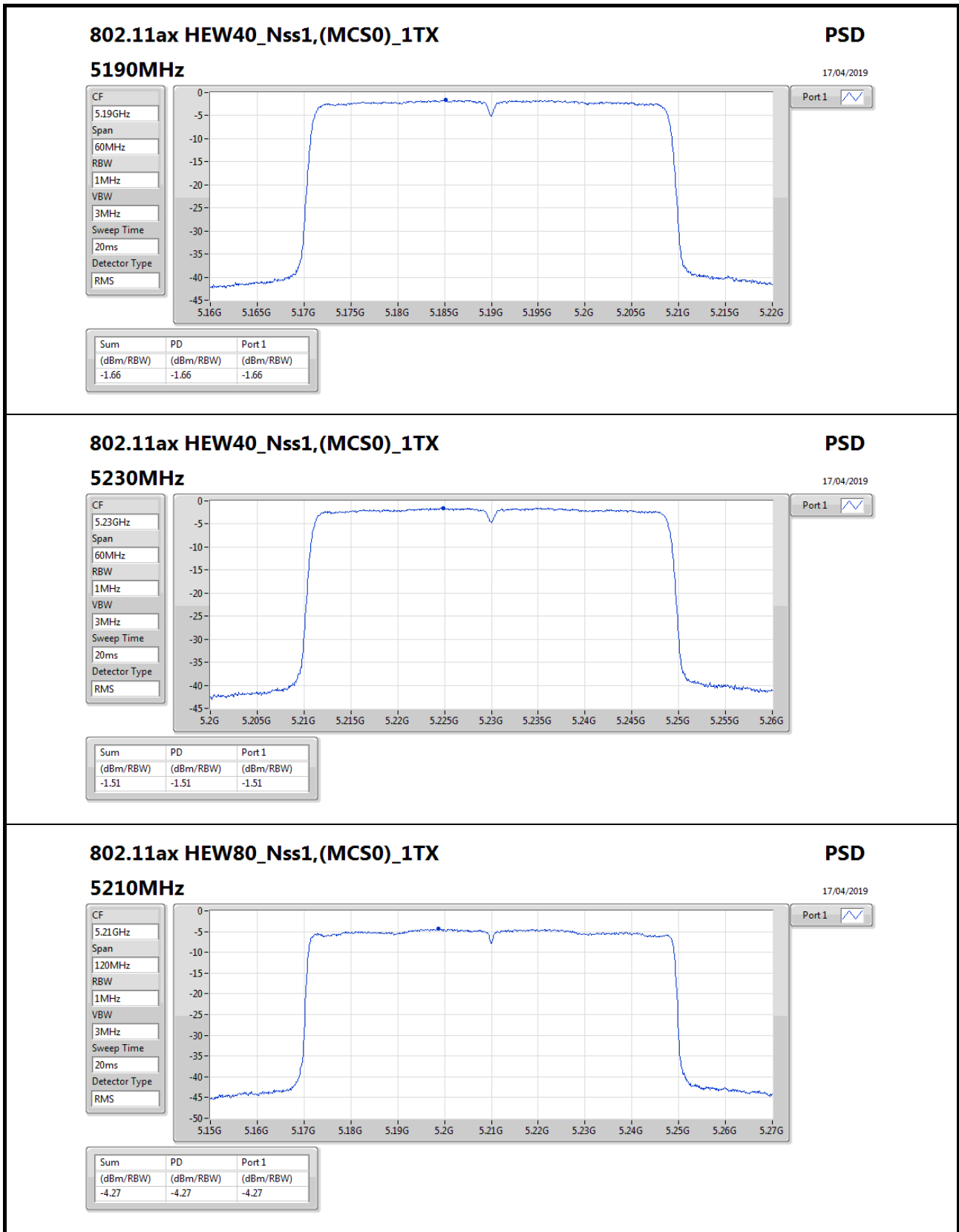
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	7.93	1.83	1.83	15.07
5200MHz	Pass	7.93	1.79	1.79	15.07
5240MHz	Pass	7.93	1.67	1.67	15.07
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	7.93	0.97	0.97	15.07
5200MHz	Pass	7.93	1.28	1.28	15.07
5240MHz	Pass	7.93	1.15	1.15	15.07
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	7.93	-1.66	-1.66	15.07
5230MHz	Pass	7.93	-1.51	-1.51	15.07
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	7.93	-4.27	-4.27	15.07

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

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









**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	1.17
802.11ax HEW40_Nss2,(MCS0)_2TX	-1.20
802.11ax HEW80_Nss2,(MCS0)_2TX	-4.24

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

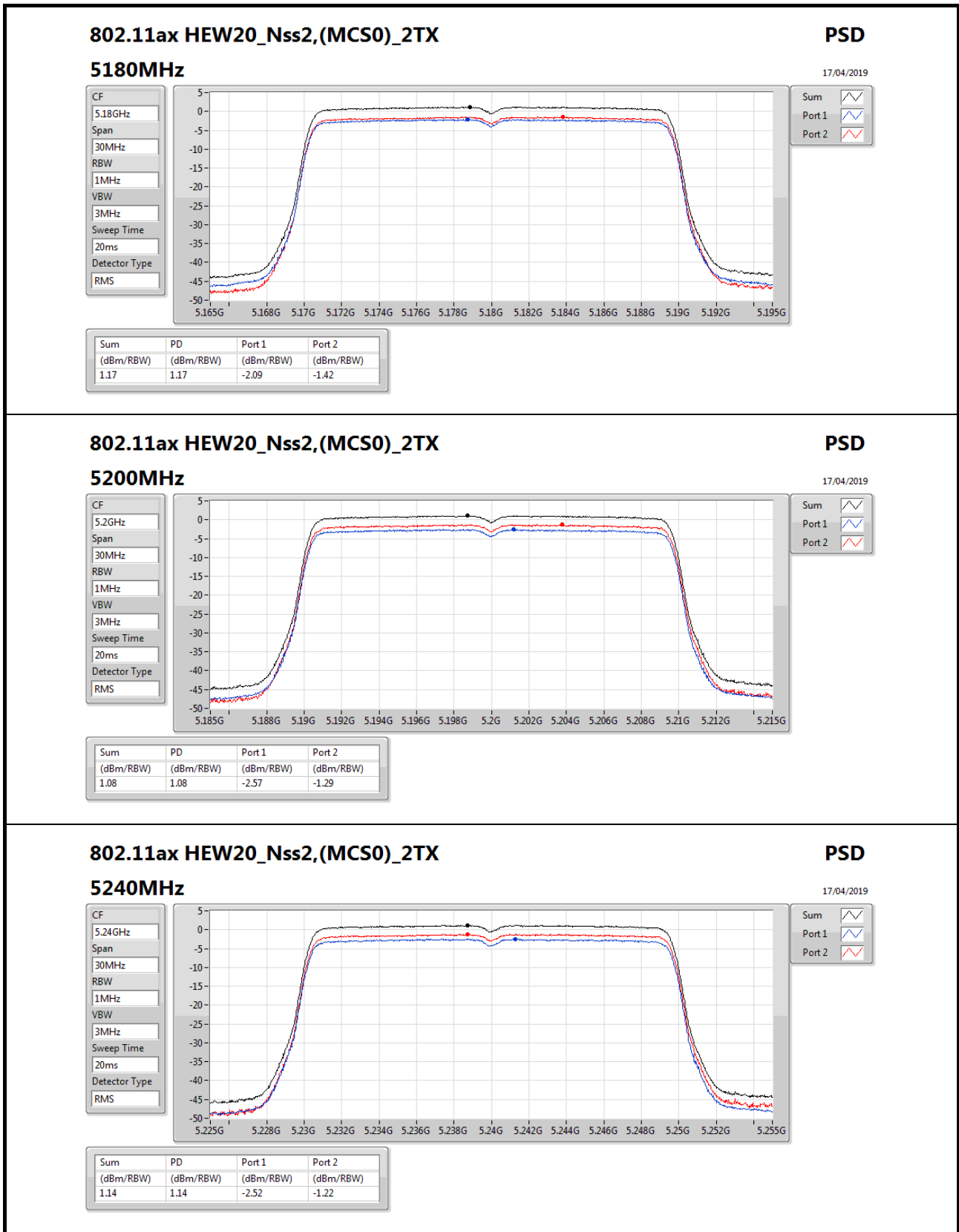


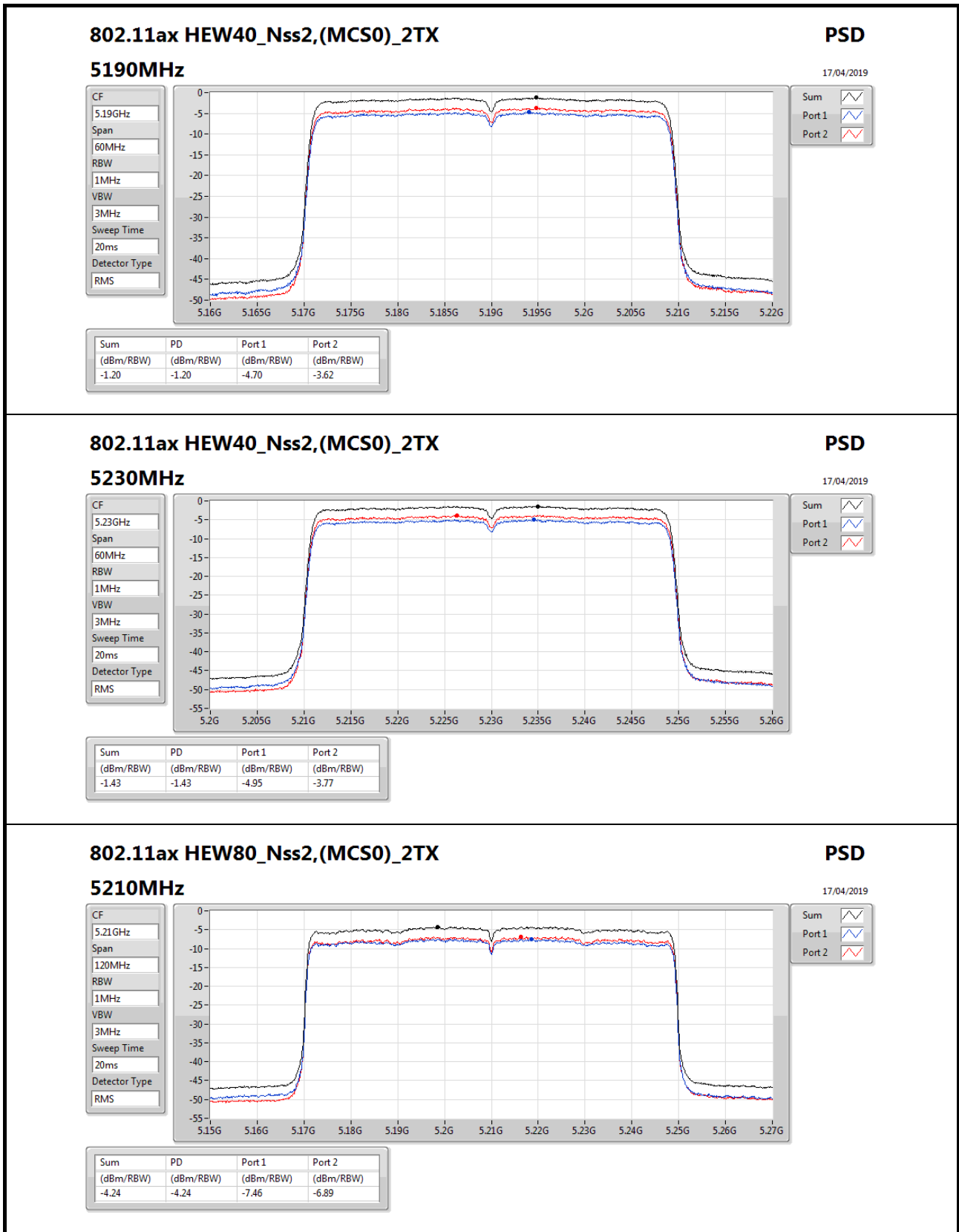
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.93	-2.09	-1.42	1.17	15.07
5200MHz	Pass	7.93	-2.57	-1.29	1.08	15.07
5240MHz	Pass	7.93	-2.52	-1.22	1.14	15.07
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	7.93	-4.70	-3.62	-1.20	15.07
5230MHz	Pass	7.93	-4.95	-3.77	-1.43	15.07
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	7.93	-7.46	-6.89	-4.24	15.07

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

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







**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	1.75
802.11ax HEW20_Nss1,(MCS0)_4TX	1.13
802.11ax HEW40_Nss1,(MCS0)_4TX	-1.59
802.11ax HEW80_Nss1,(MCS0)_4TX	-4.43

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

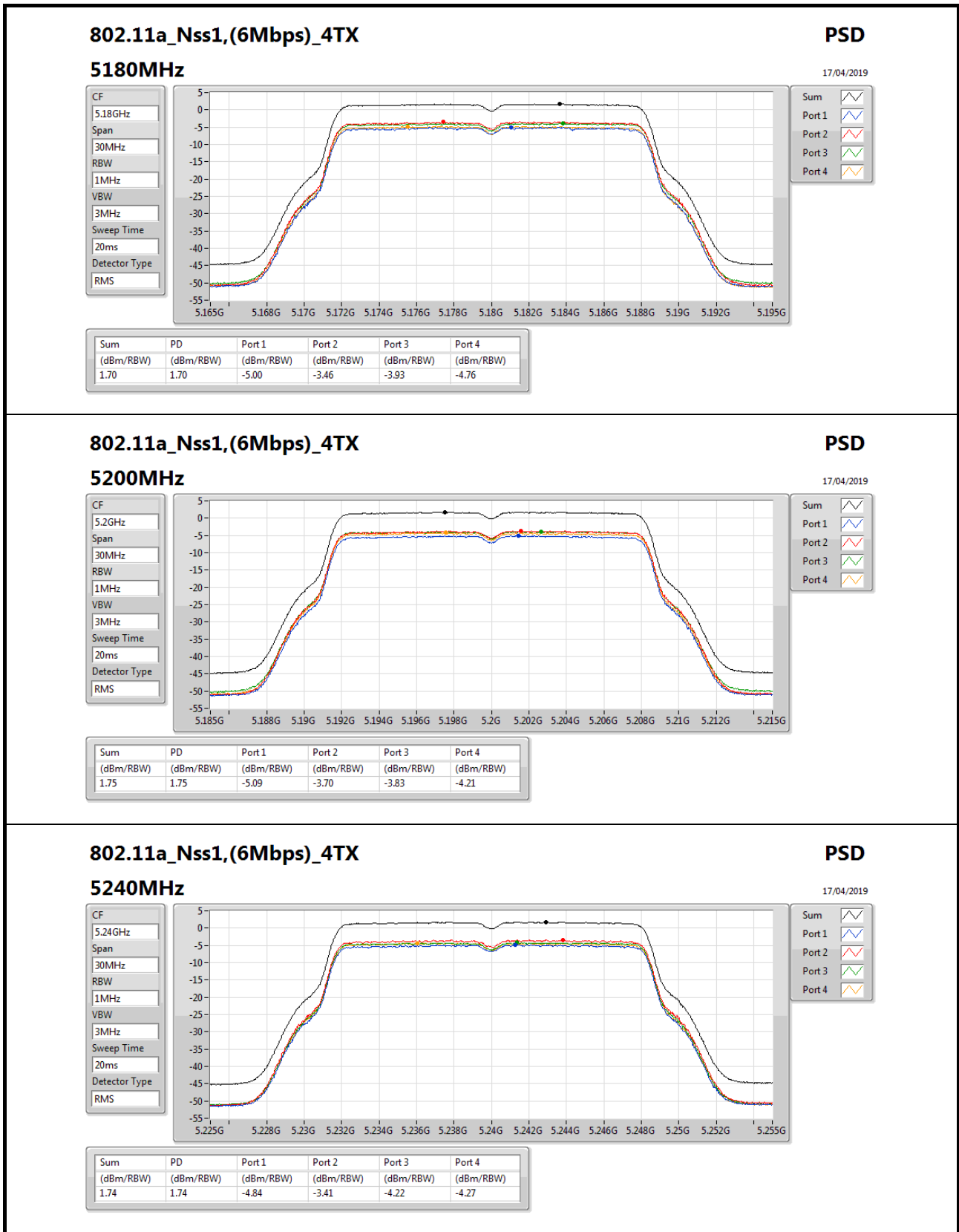


Result

Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.95	-5.00	-3.46	-3.93	-4.76	1.70	9.05
5200MHz	Pass	13.95	-5.09	-3.70	-3.83	-4.21	1.75	9.05
5240MHz	Pass	13.95	-4.84	-3.41	-4.22	-4.27	1.74	9.05
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.95	-5.74	-3.99	-4.65	-5.08	1.13	9.05
5200MHz	Pass	13.95	-5.35	-4.21	-4.51	-5.34	1.12	9.05
5240MHz	Pass	13.95	-5.69	-4.59	-4.44	-5.38	0.96	9.05
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	13.95	-8.41	-7.32	-6.85	-7.80	-1.59	9.05
5230MHz	Pass	13.95	-8.25	-7.35	-7.22	-7.80	-1.77	9.05
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	13.95	-11.44	-9.85	-10.17	-10.29	-4.43	9.05

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

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



802.11a_Nss1,(6Mbps)_4TX

5240MHz

PSD
17/04/2019

CF
5.24GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

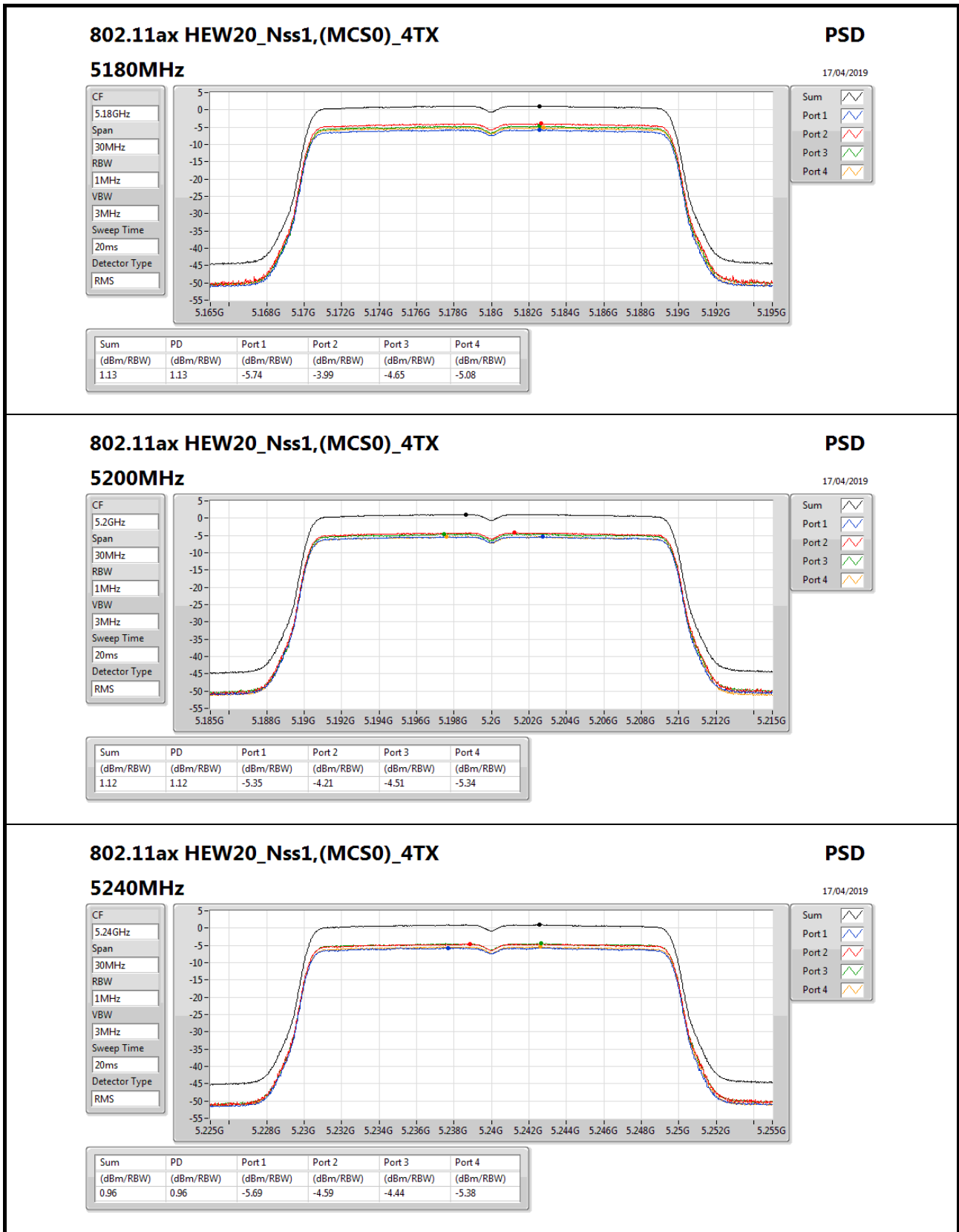
Sum

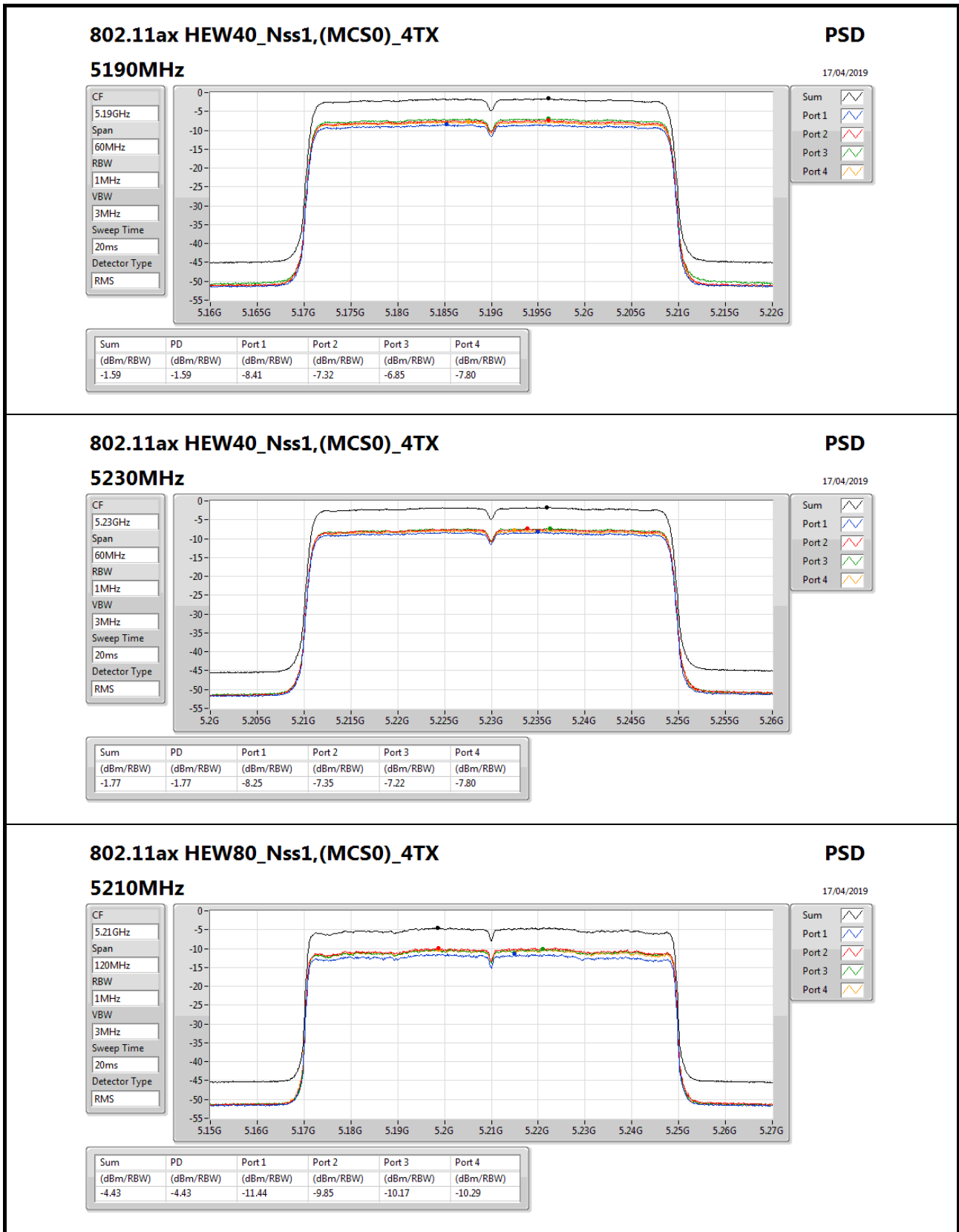
Port 1

Port 2

Port 3

Port 4







**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-4.37
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-7.24
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-10.04

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

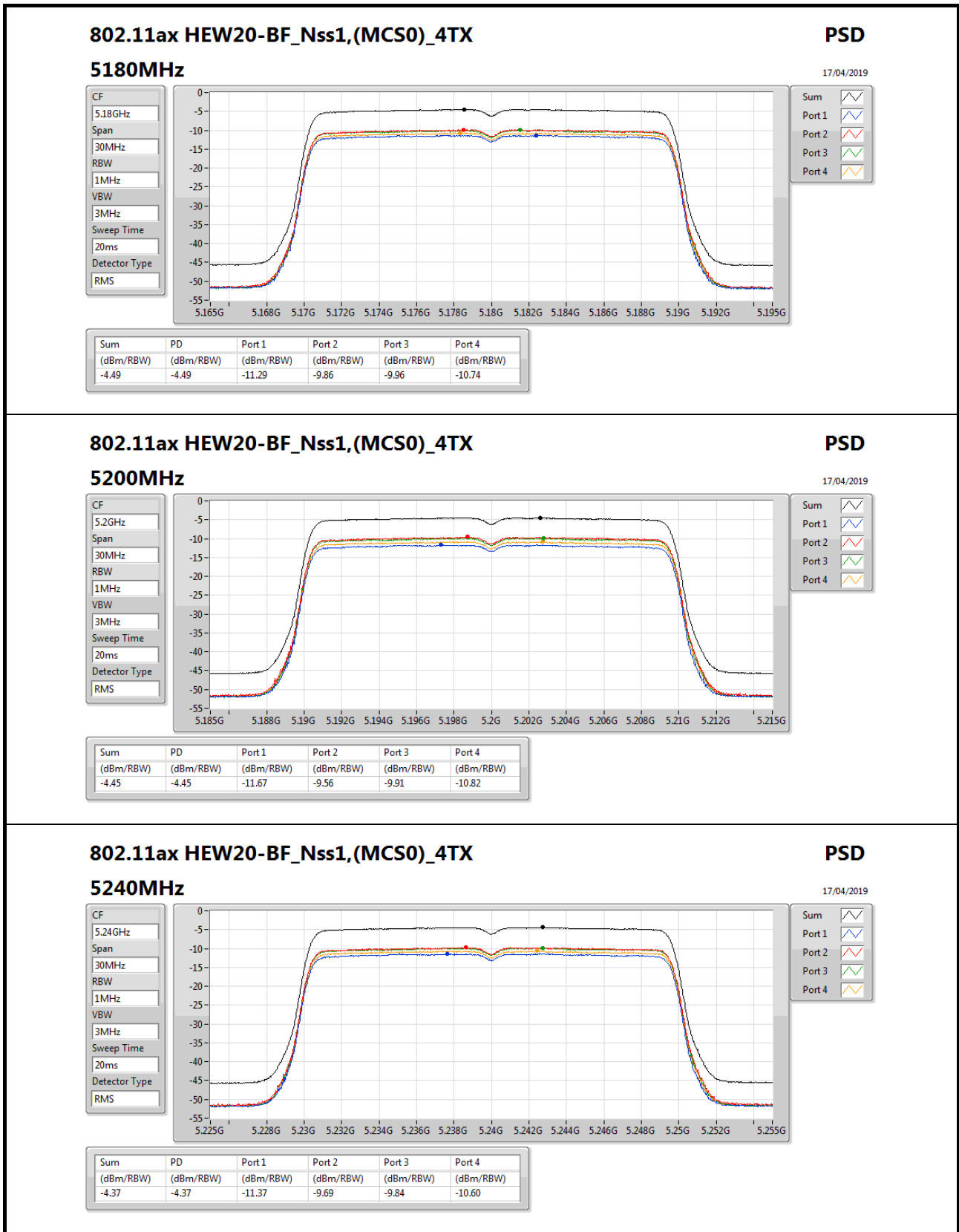


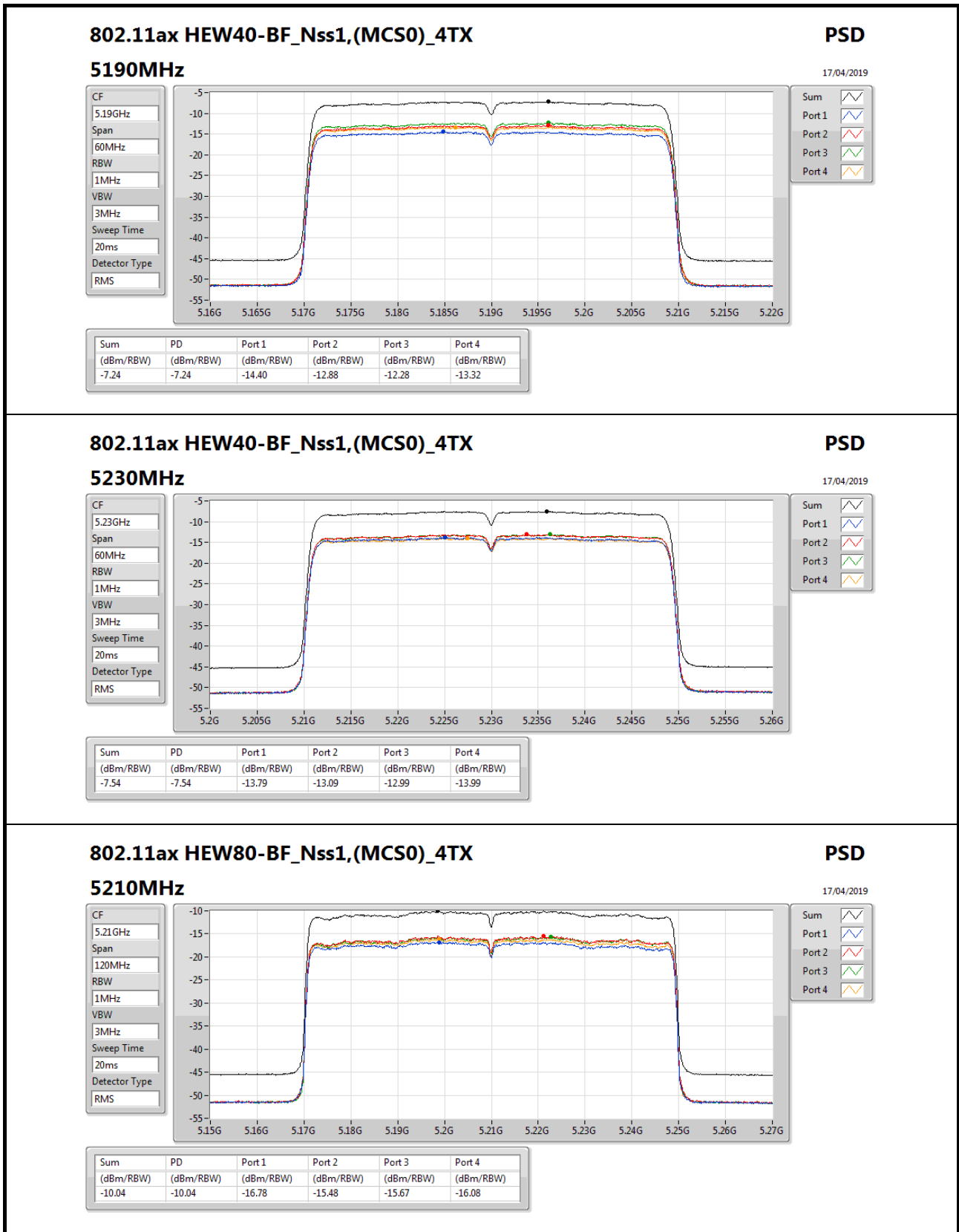
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.95	-11.29	-9.86	-9.96	-10.74	-4.49	9.05
5200MHz	Pass	13.95	-11.67	-9.56	-9.91	-10.82	-4.45	9.05
5240MHz	Pass	13.95	-11.37	-9.69	-9.84	-10.60	-4.37	9.05
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	13.95	-14.40	-12.88	-12.28	-13.32	-7.24	9.05
5230MHz	Pass	13.95	-13.79	-13.09	-12.99	-13.99	-7.54	9.05
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	13.95	-16.78	-15.48	-15.67	-16.08	-10.04	9.05

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

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







**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	1.28
802.11ax HEW40_Nss4,(MCS0)_4TX	-1.42
802.11ax HEW80_Nss4,(MCS0)_4TX	-4.29

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

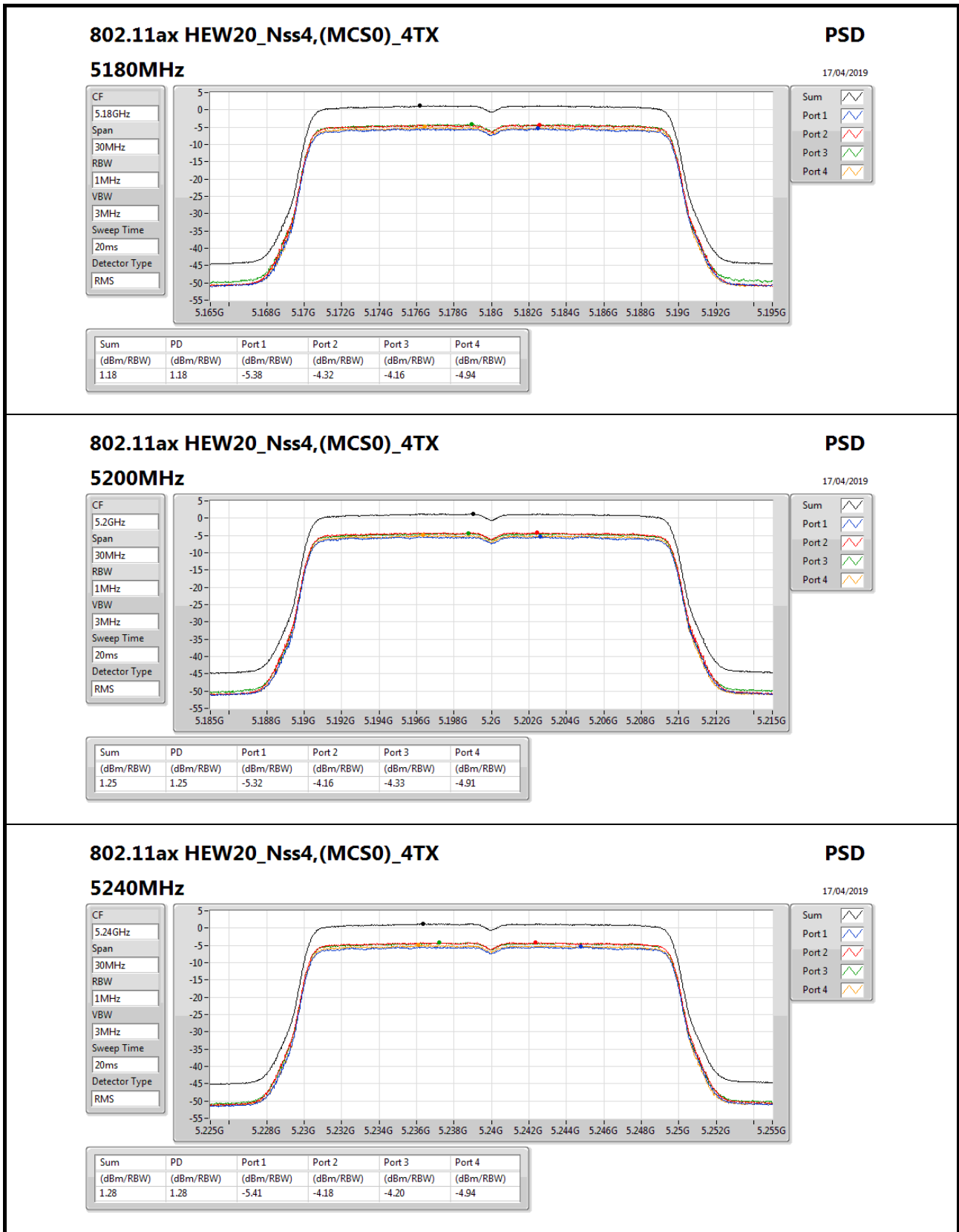


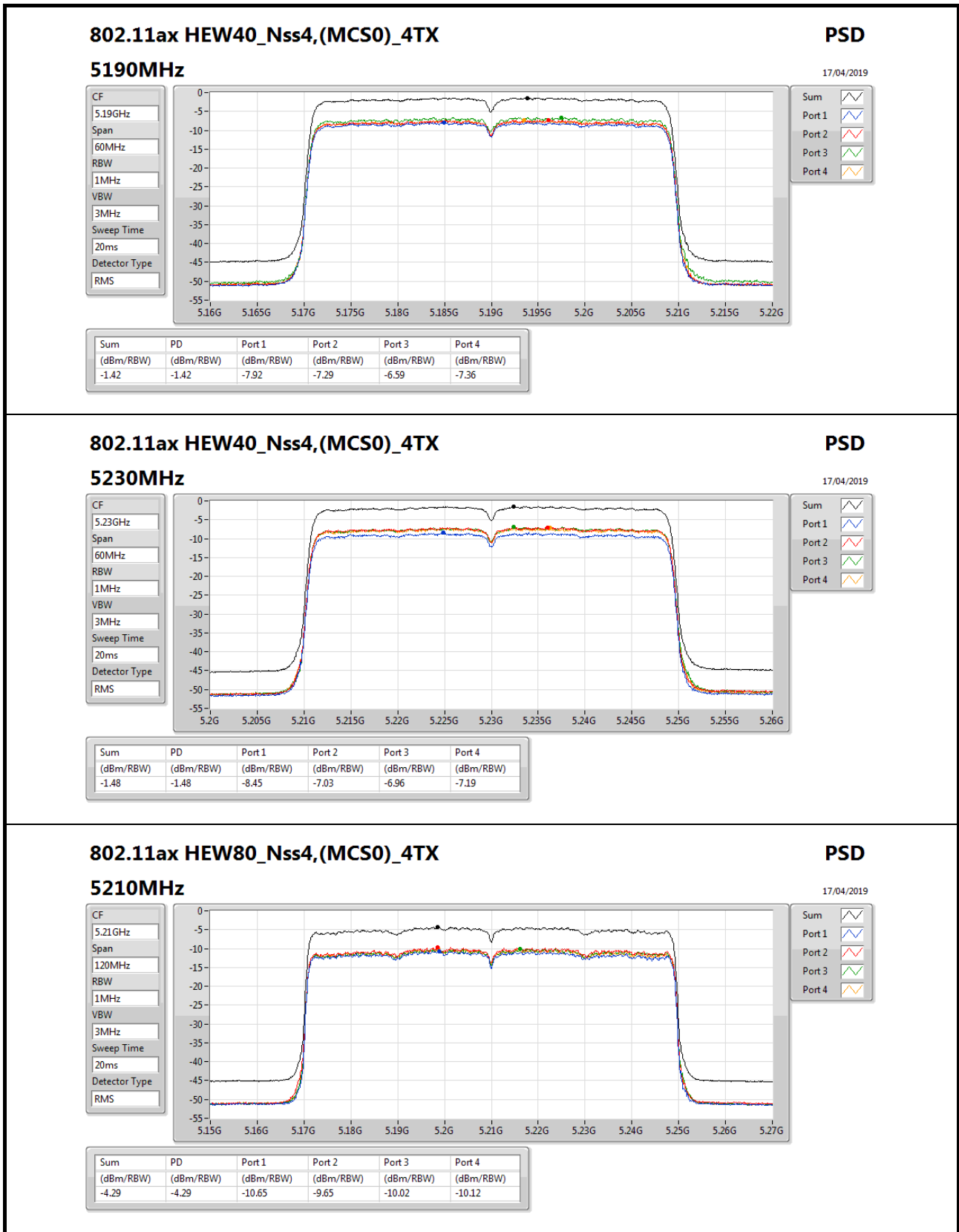
Result

Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.93	-5.38	-4.32	-4.16	-4.94	1.18	15.07
5200MHz	Pass	7.93	-5.32	-4.16	-4.33	-4.91	1.25	15.07
5240MHz	Pass	7.93	-5.41	-4.18	-4.20	-4.94	1.28	15.07
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.93	-7.92	-7.29	-6.59	-7.36	-1.42	15.07
5230MHz	Pass	7.93	-8.45	-7.03	-6.96	-7.19	-1.48	15.07
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.93	-10.65	-9.65	-10.02	-10.12	-4.29	15.07

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

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







**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.12
802.11ax HEW20_Nss1,(MCS0)_1TX	6.47
802.11ax HEW40_Nss1,(MCS0)_1TX	3.08
802.11ax HEW80_Nss1,(MCS0)_1TX	-2.57
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.59
802.11ax HEW20_Nss1,(MCS0)_1TX	7.05
802.11ax HEW40_Nss1,(MCS0)_1TX	5.47
802.11ax HEW80_Nss1,(MCS0)_1TX	1.17

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

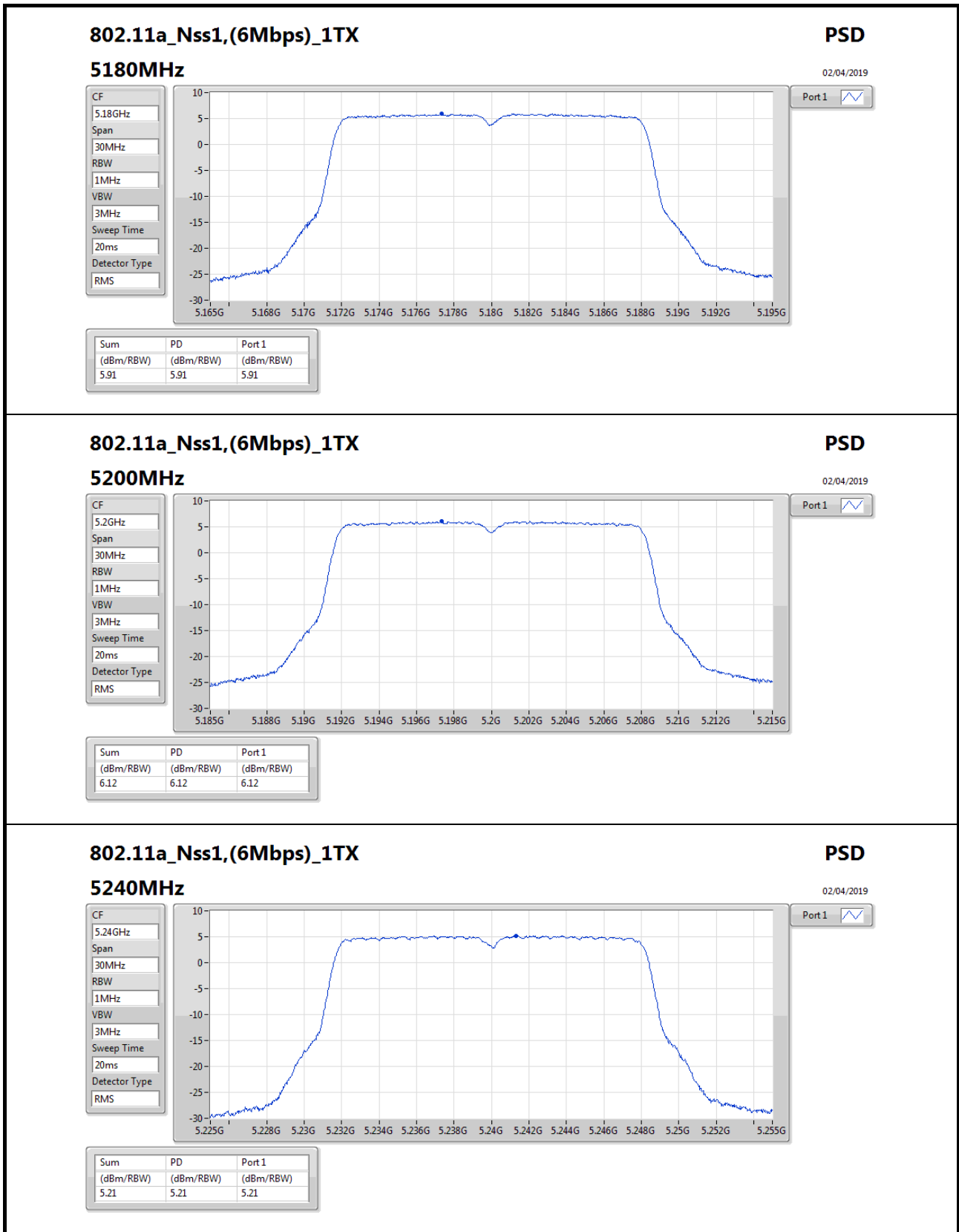


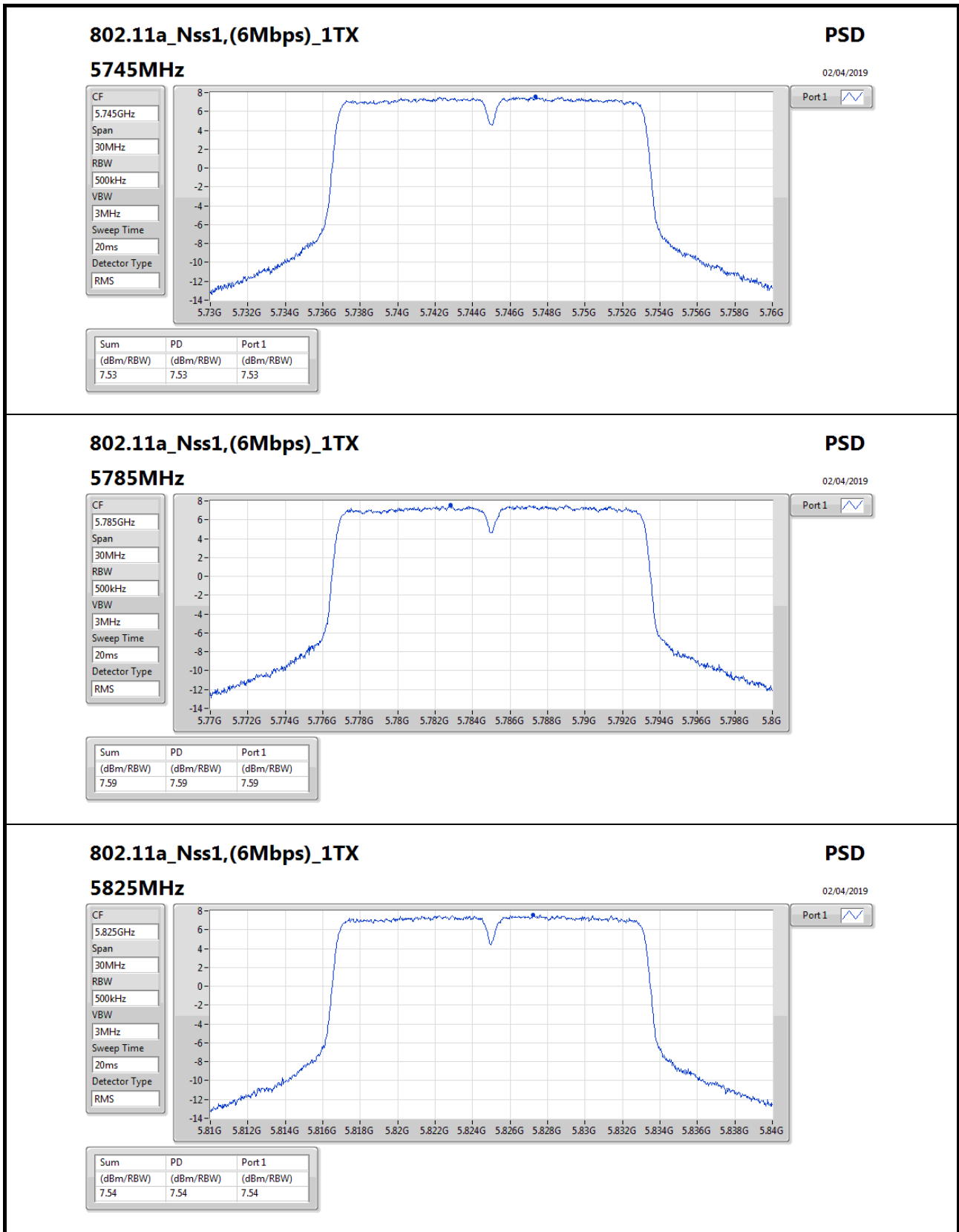
Result

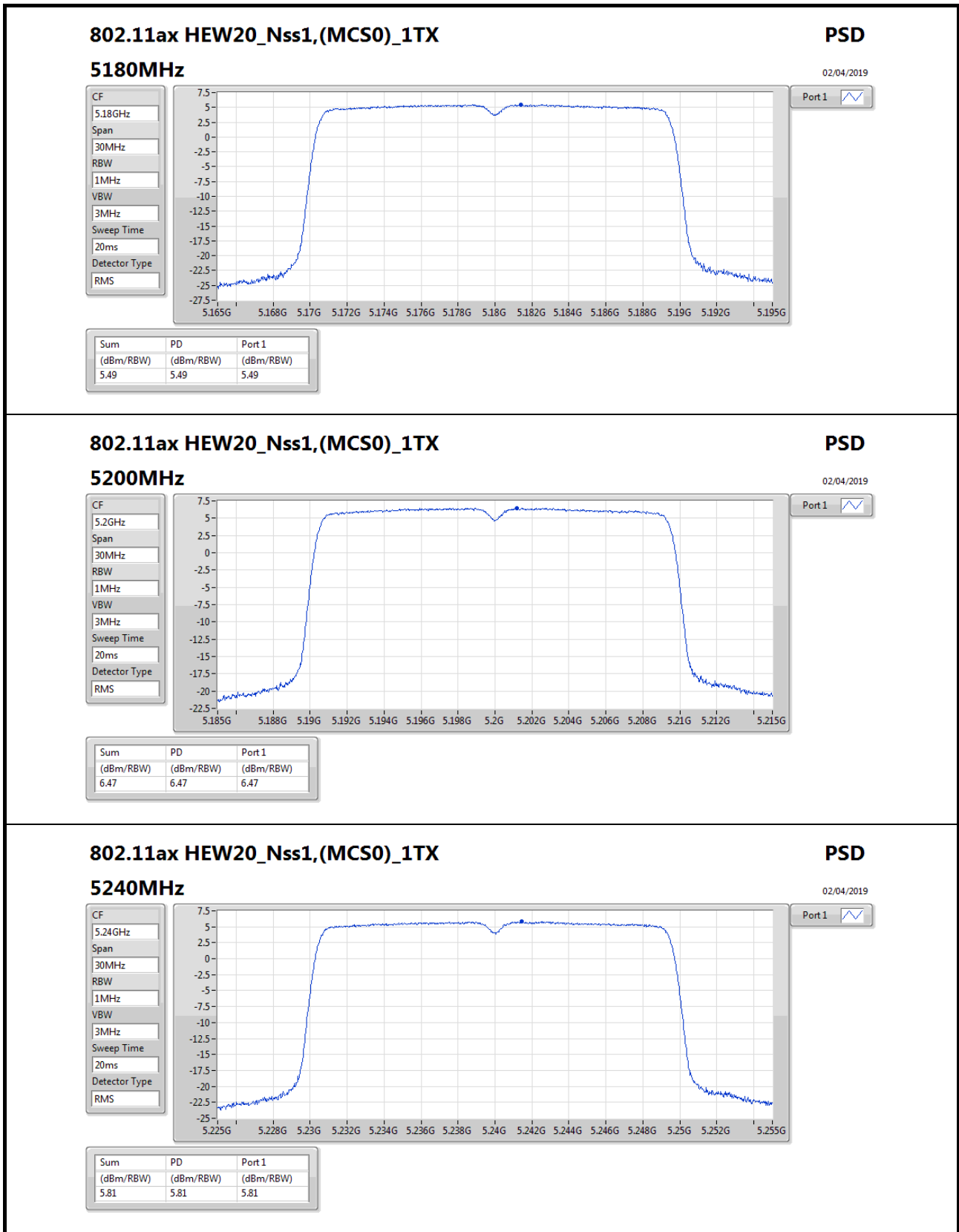
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	6.32	5.91	5.91	16.68
5200MHz	Pass	6.32	6.12	6.12	16.68
5240MHz	Pass	6.32	5.21	5.21	16.68
5745MHz	Pass	6.32	7.53	7.53	29.68
5785MHz	Pass	6.32	7.59	7.59	29.68
5825MHz	Pass	6.32	7.54	7.54	29.68
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	6.32	5.49	5.49	16.68
5200MHz	Pass	6.32	6.47	6.47	16.68
5240MHz	Pass	6.32	5.81	5.81	16.68
5745MHz	Pass	6.32	7.05	7.05	29.68
5785MHz	Pass	6.32	6.90	6.90	29.68
5825MHz	Pass	6.32	7.03	7.03	29.68
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	6.32	-0.10	-0.10	16.68
5230MHz	Pass	6.32	3.08	3.08	16.68
5755MHz	Pass	6.32	4.62	4.62	29.68
5795MHz	Pass	6.32	5.47	5.47	29.68
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	6.32	-2.57	-2.57	16.68
5775MHz	Pass	6.32	1.17	1.17	29.68

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

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







802.11ax HEW20_Nss1,(MCS0)_1TX

5240MHz

PSD
02/04/2019

CF
5.24GHz

Span
30MHz

RBW
1MHz

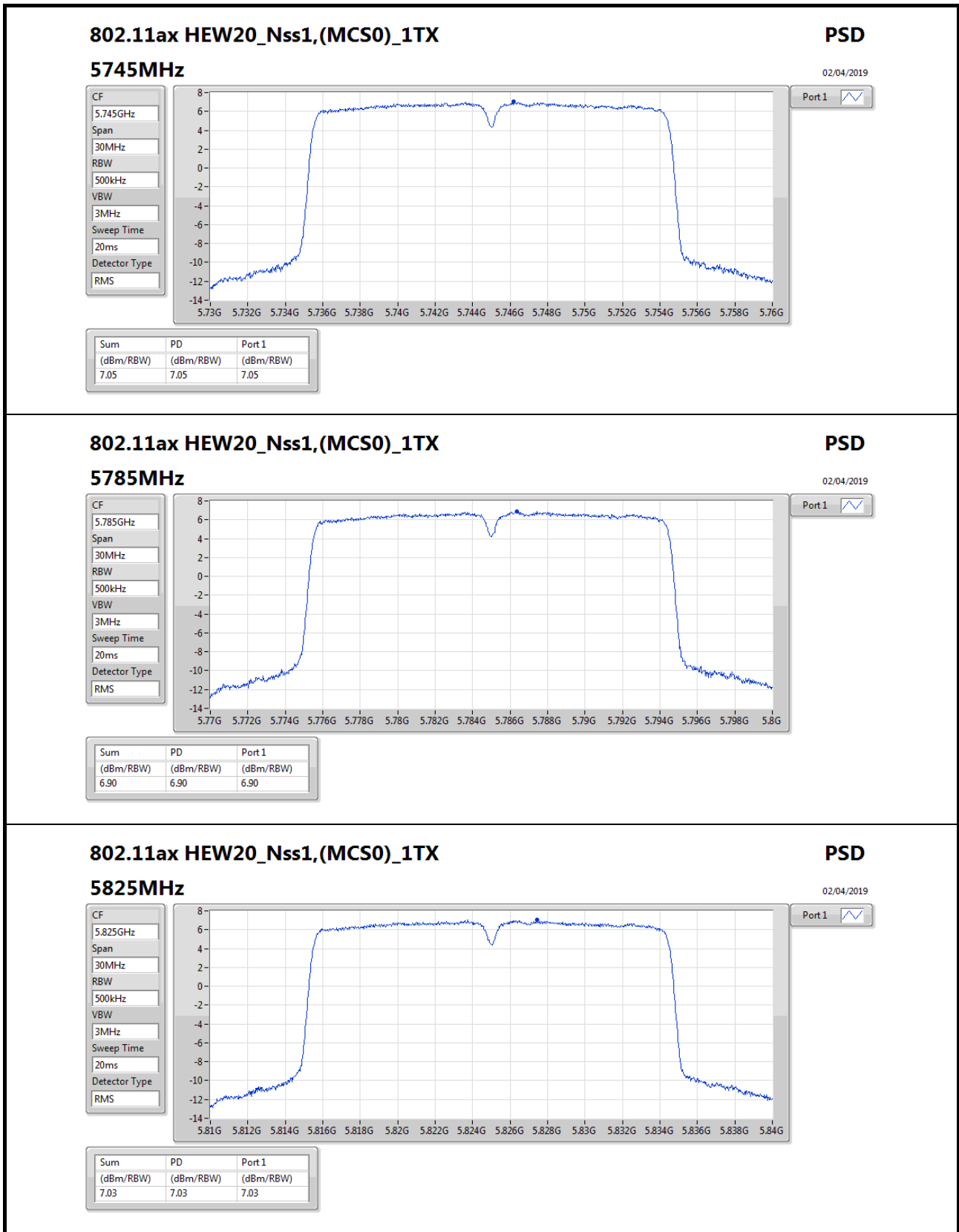
VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.81	5.81	5.81



802.11ax HEW20_Nss1,(MCS0)_1TX

5825MHz

PSD

02/04/2019

CF
5.825GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

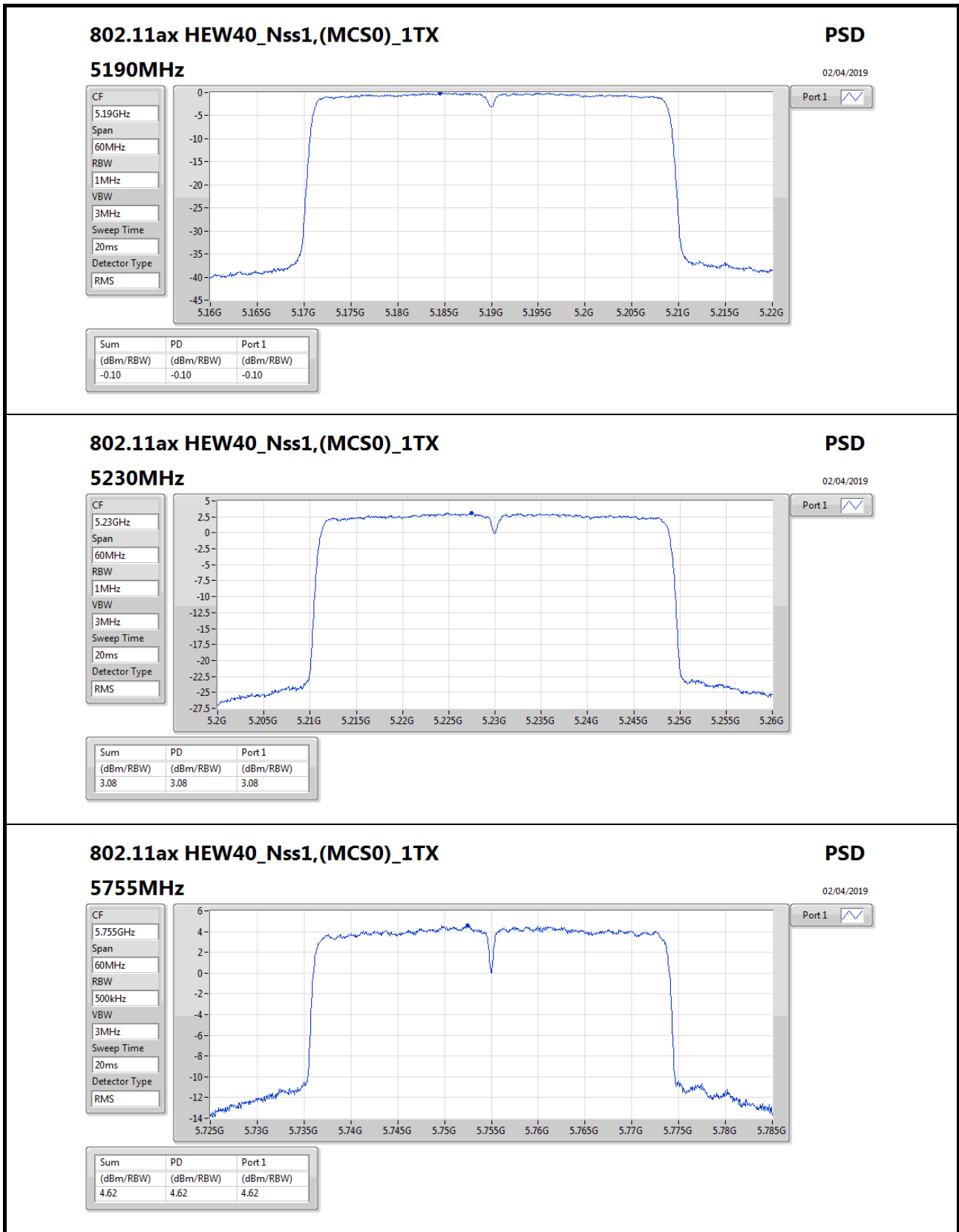
Sweep Time
20ms

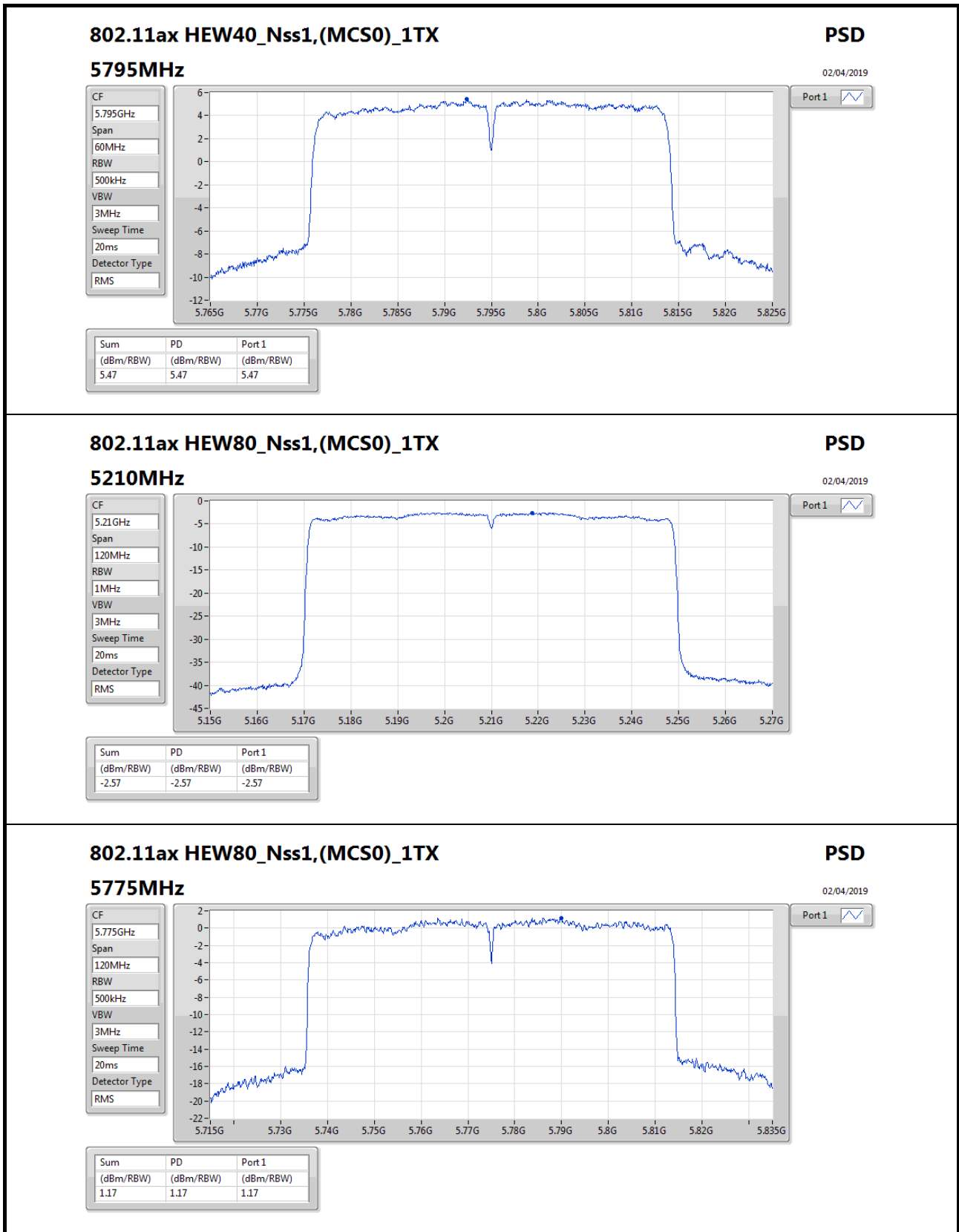
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.03	7.03	7.03





802.11ax HEW80_Nss1,(MCS0)_1TX

5775MHz

PSD
02/04/2019

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)
1.17	1.17	1.17



**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	9.49
802.11ax HEW40_Nss2,(MCS0)_2TX	6.49
802.11ax HEW80_Nss2,(MCS0)_2TX	-0.62
5.725-5.85GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	9.65
802.11ax HEW40_Nss2,(MCS0)_2TX	8.02
802.11ax HEW80_Nss2,(MCS0)_2TX	1.90

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

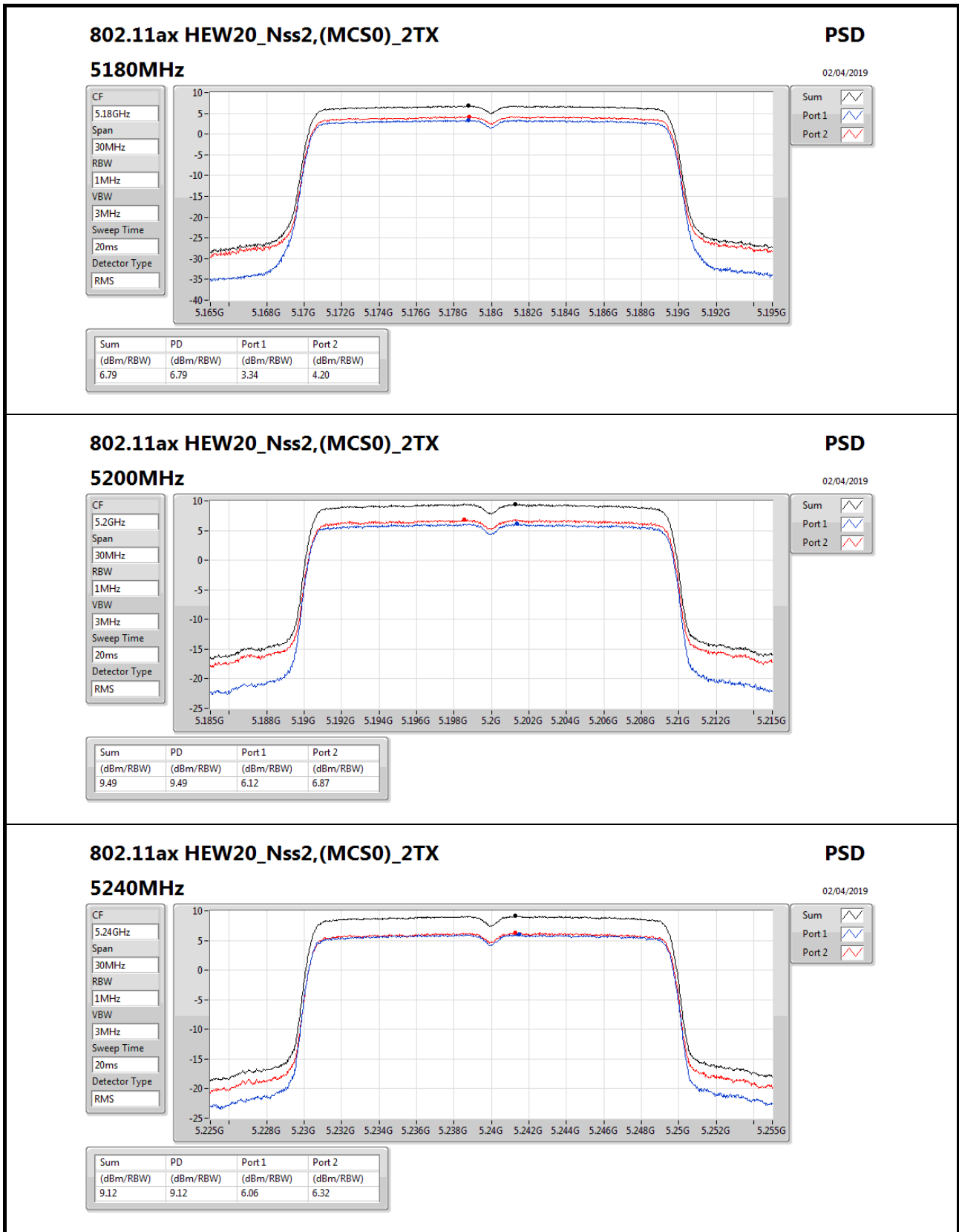


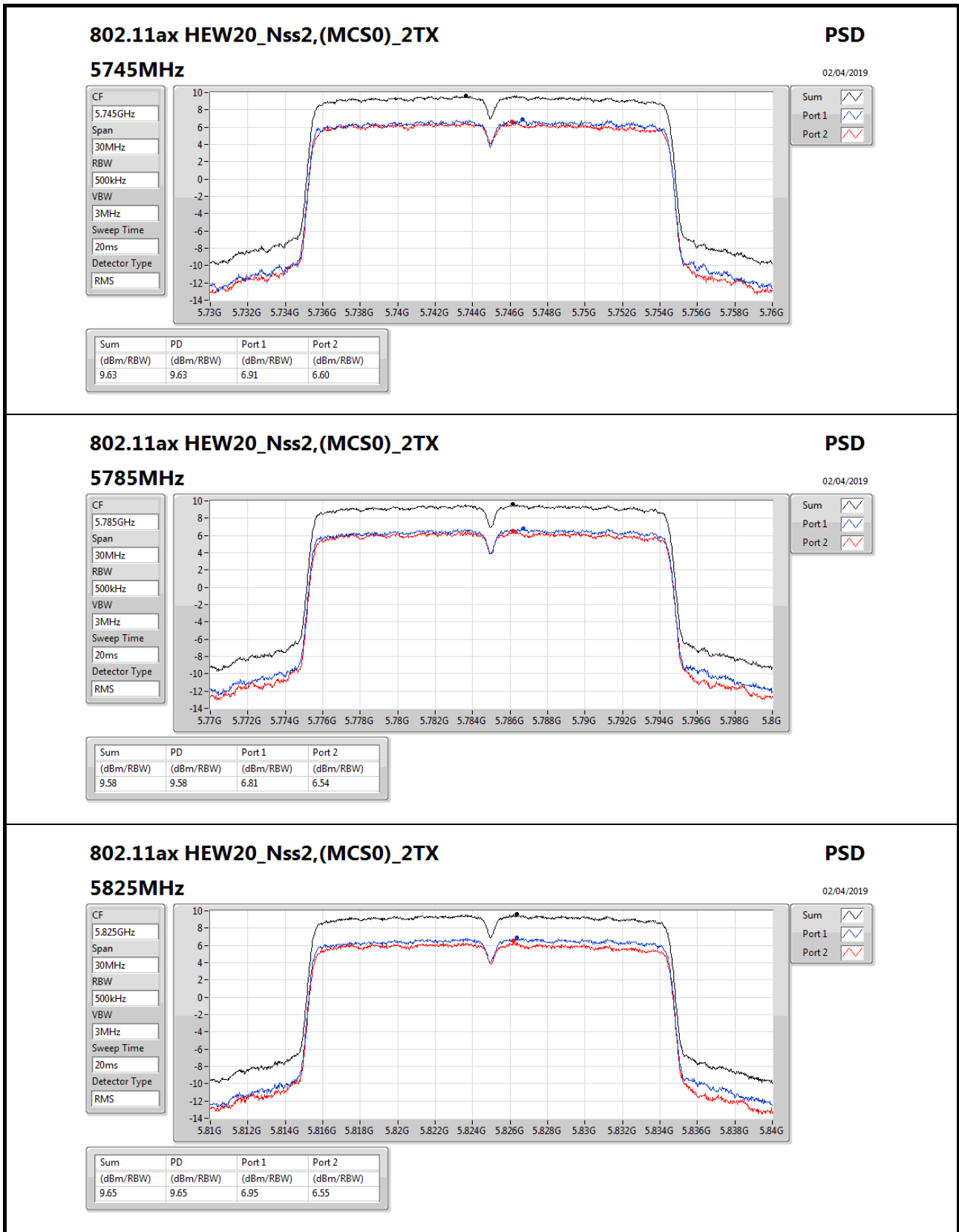
Result

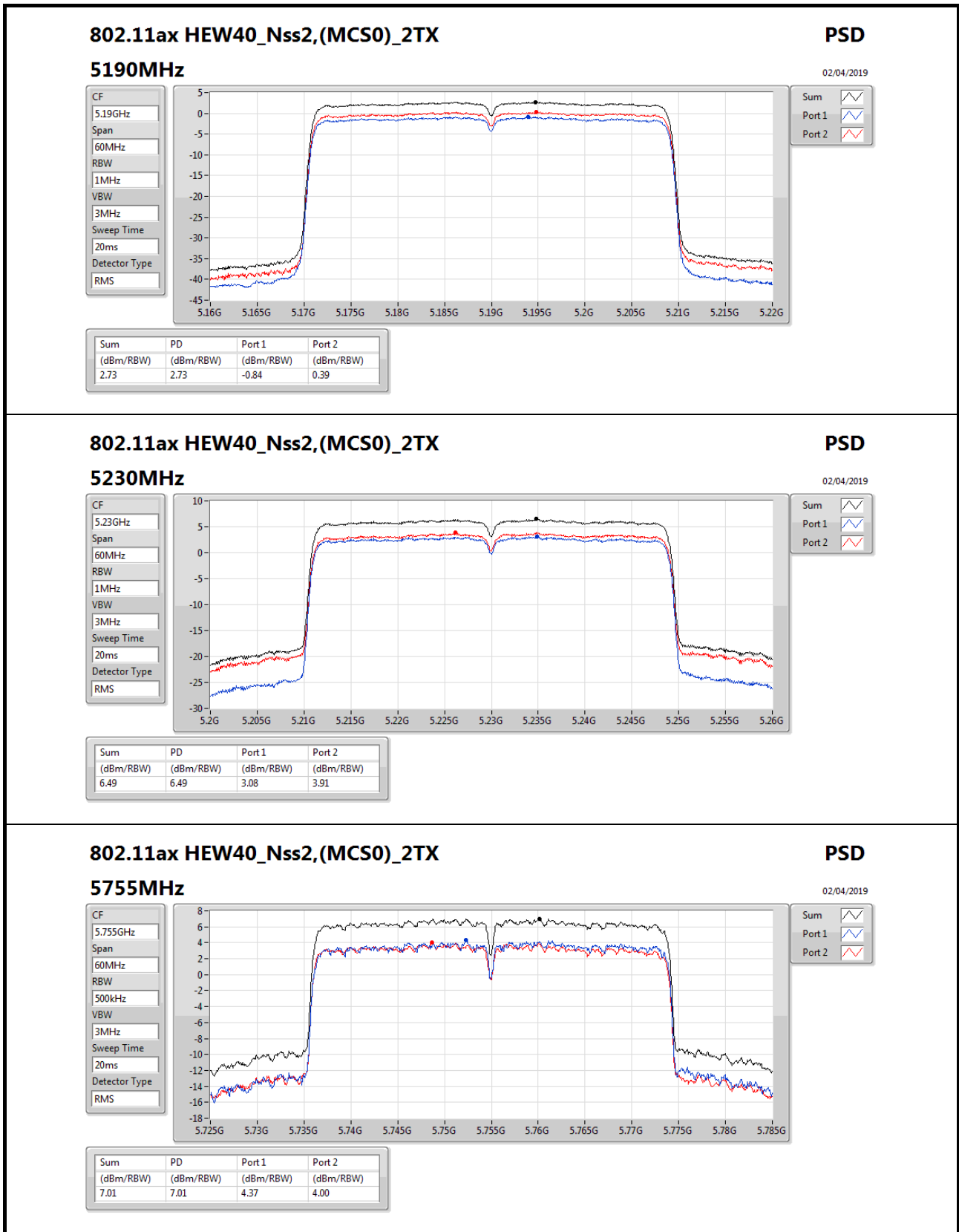
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.32	3.34	4.20	6.79	16.68
5200MHz	Pass	6.32	6.12	6.87	9.49	16.68
5240MHz	Pass	6.32	6.06	6.32	9.12	16.68
5745MHz	Pass	6.32	6.91	6.60	9.63	29.68
5785MHz	Pass	6.32	6.81	6.54	9.58	29.68
5825MHz	Pass	6.32	6.95	6.55	9.65	29.68
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.32	-0.84	0.39	2.73	16.68
5230MHz	Pass	6.32	3.08	3.91	6.49	16.68
5755MHz	Pass	6.32	4.37	4.00	7.01	29.68
5795MHz	Pass	6.32	5.19	4.85	8.02	29.68
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.32	-3.95	-3.25	-0.62	16.68
5775MHz	Pass	6.32	-0.95	-1.01	1.90	29.68

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

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







802.11ax HEW40_Nss2,(MCS0)_2TX

5755MHz

PSD
02/04/2019

CF
5.755GHz

Span
60MHz

RBW
500kHz

VBW
3MHz

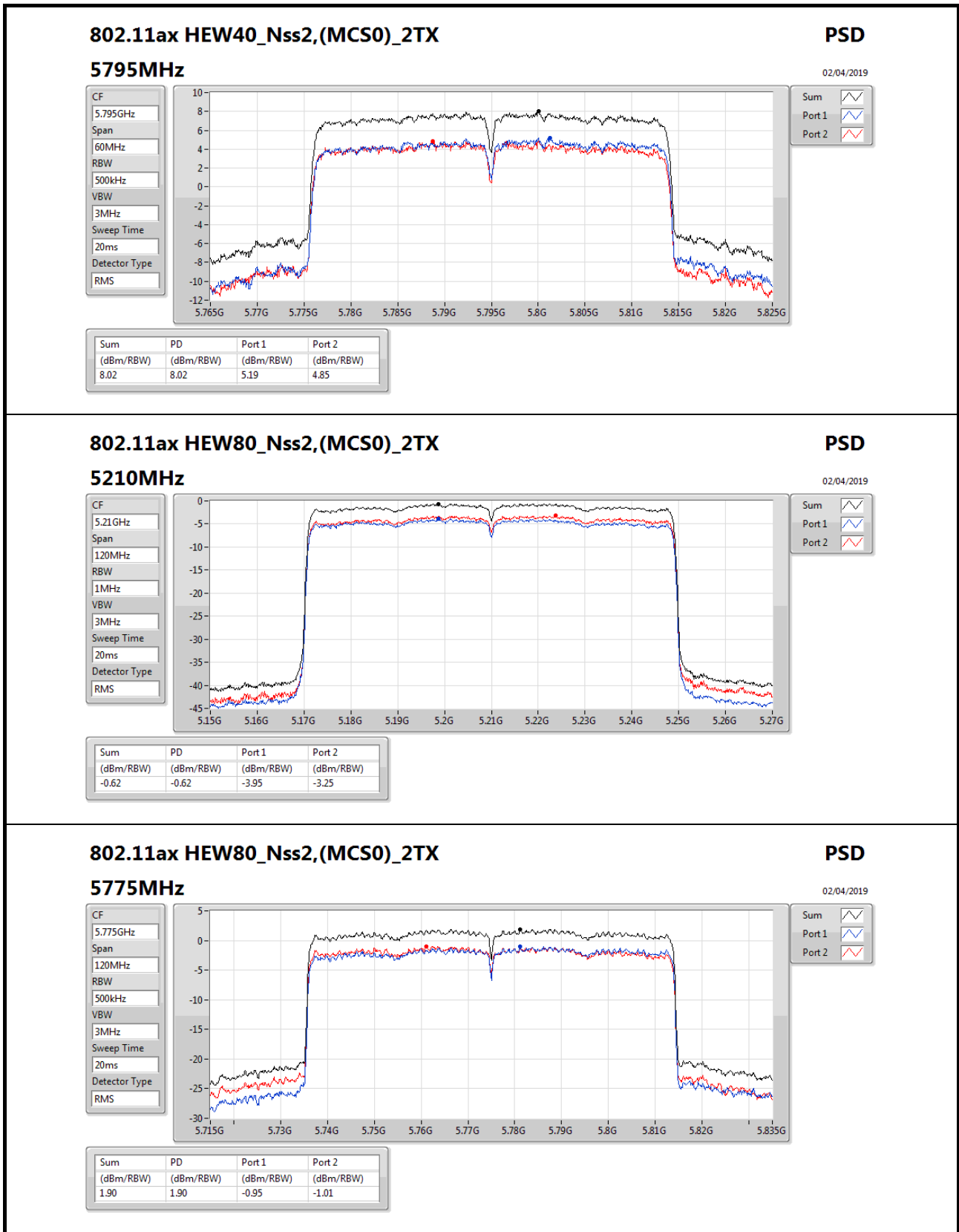
Sweep Time
20ms

Detector Type
RMS

Sum

Port 1

Port 2





**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.62
802.11ax HEW20_Nss1,(MCS0)_4TX	10.56
802.11ax HEW40_Nss1,(MCS0)_4TX	9.11
802.11ax HEW80_Nss1,(MCS0)_4TX	1.75
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	13.14
802.11ax HEW20_Nss1,(MCS0)_4TX	12.69
802.11ax HEW40_Nss1,(MCS0)_4TX	9.74
802.11ax HEW80_Nss1,(MCS0)_4TX	3.34

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

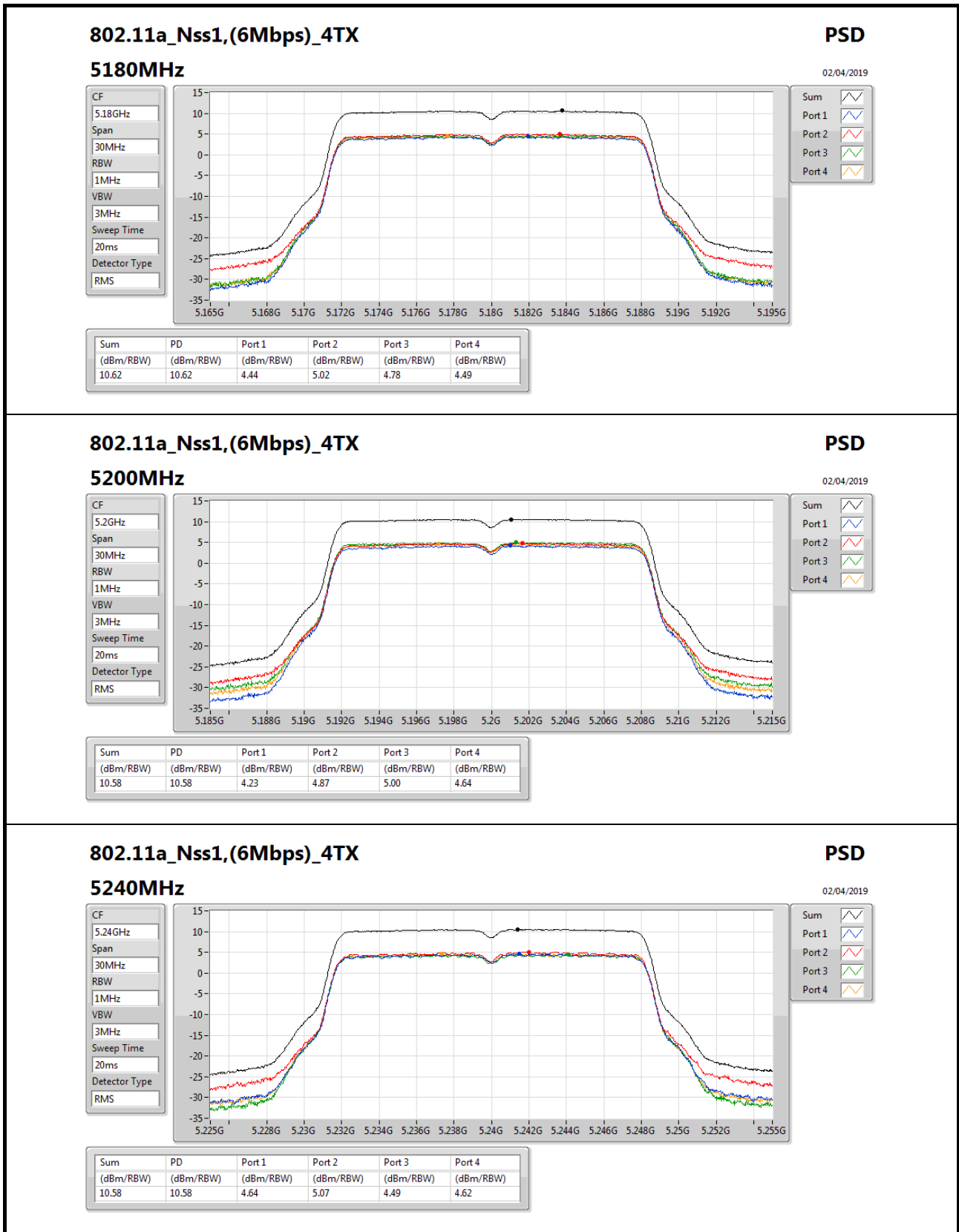


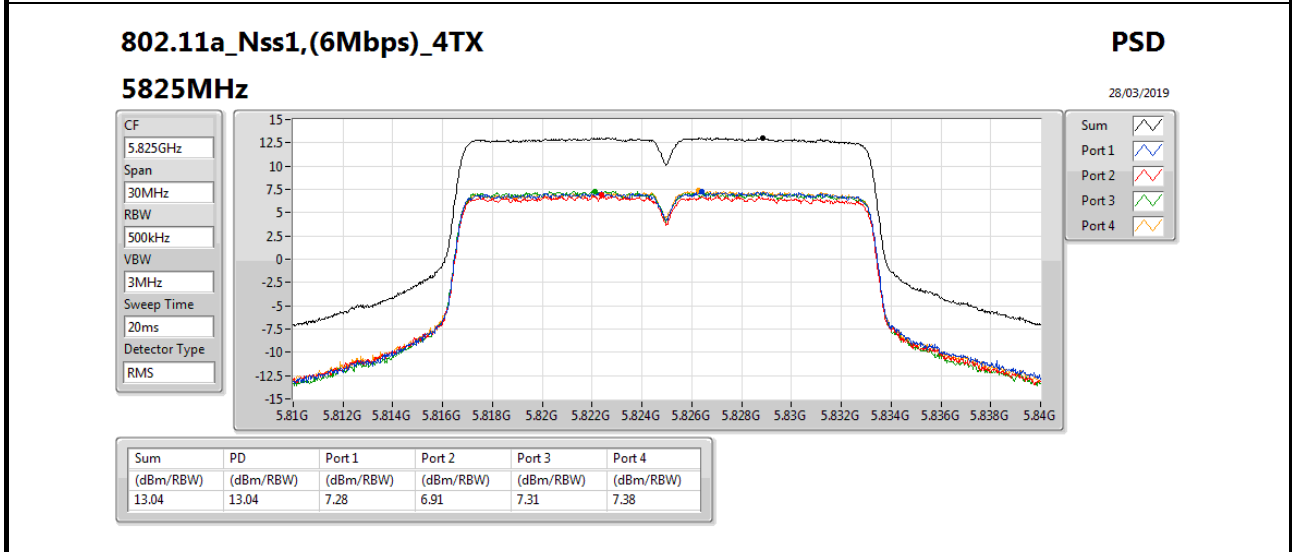
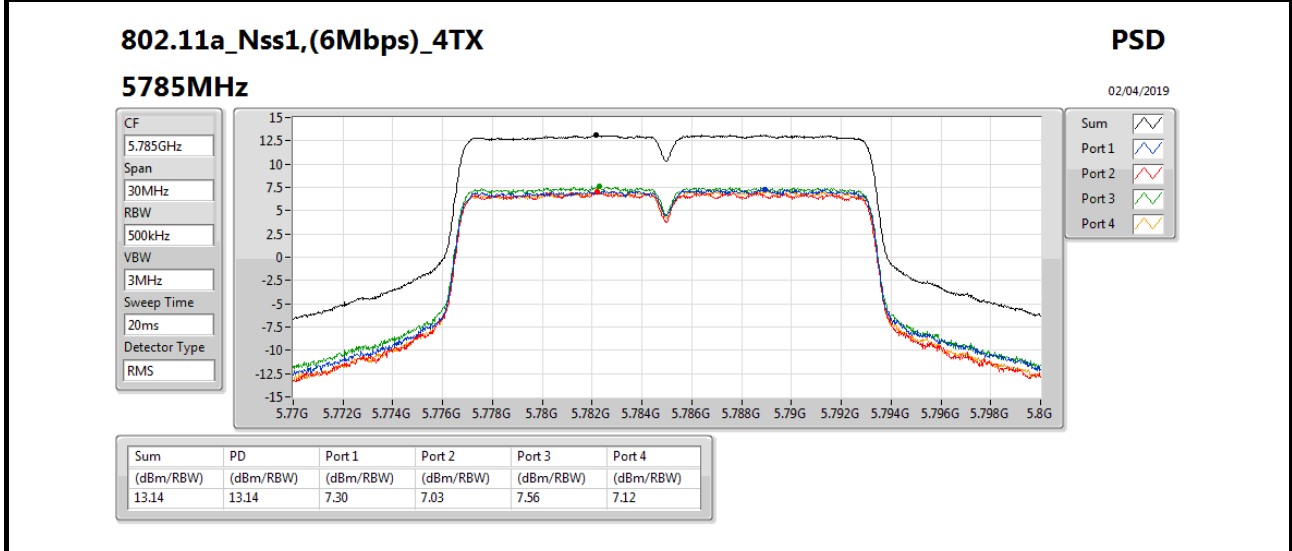
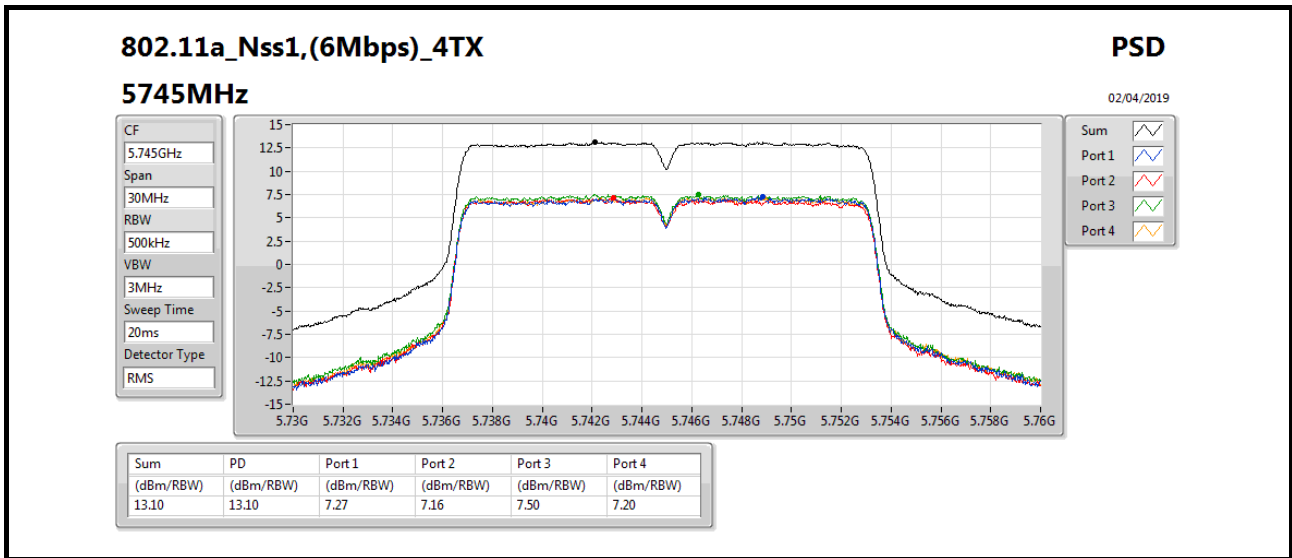
Result

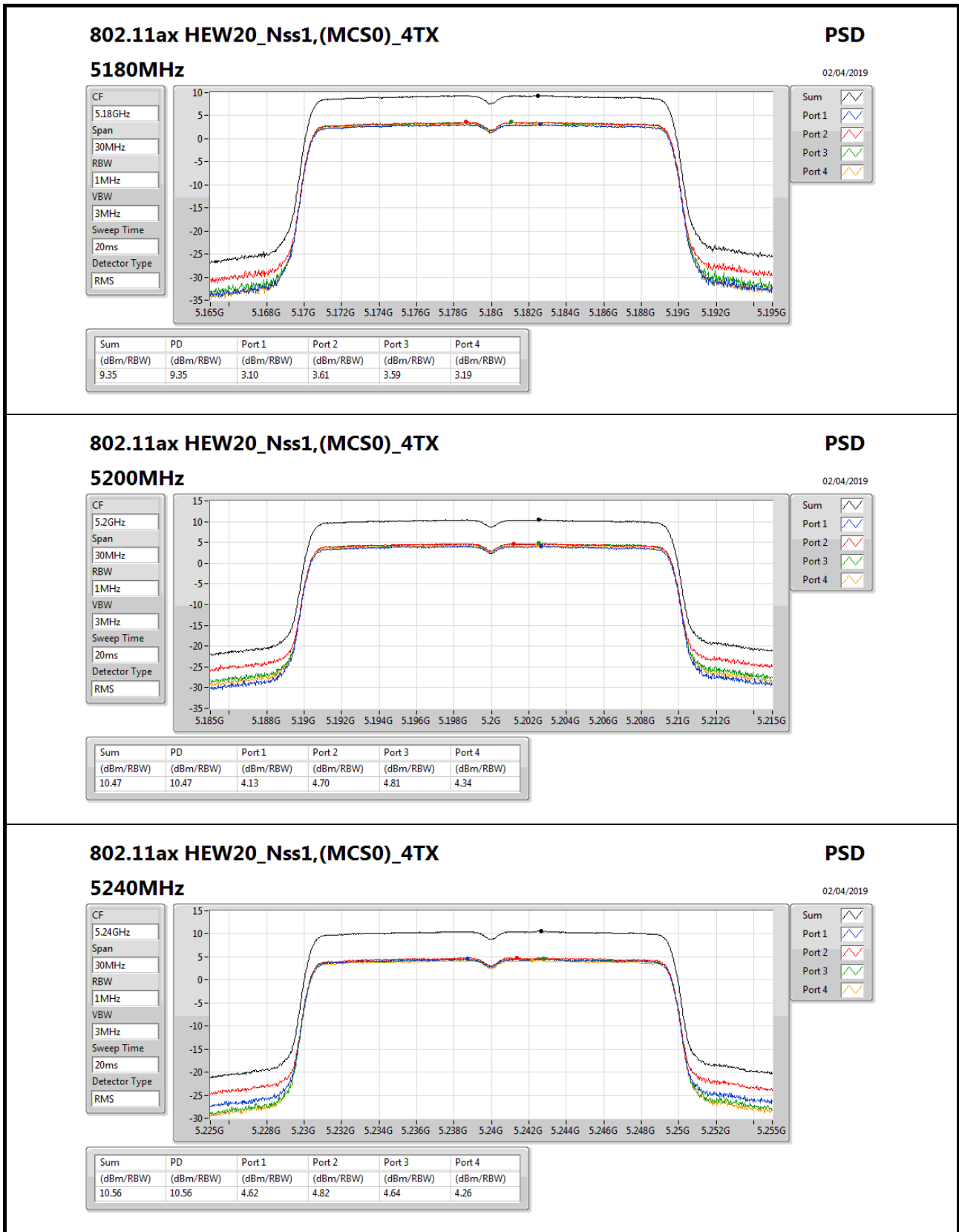
Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.34	4.44	5.02	4.78	4.49	10.62	10.66
5200MHz	Pass	12.34	4.23	4.87	5.00	4.64	10.58	10.66
5240MHz	Pass	12.34	4.64	5.07	4.49	4.62	10.58	10.66
5745MHz	Pass	12.34	7.27	7.16	7.50	7.20	13.10	23.66
5785MHz	Pass	12.34	7.30	7.03	7.56	7.12	13.14	23.66
5825MHz	Pass	12.34	7.28	6.91	7.31	7.38	13.04	23.66
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.34	3.10	3.61	3.59	3.19	9.35	10.66
5200MHz	Pass	12.34	4.13	4.70	4.81	4.34	10.47	10.66
5240MHz	Pass	12.34	4.62	4.82	4.64	4.26	10.56	10.66
5745MHz	Pass	12.34	6.73	6.64	7.07	6.62	12.69	23.66
5785MHz	Pass	12.34	6.47	6.26	6.42	6.42	12.35	23.66
5825MHz	Pass	12.34	6.91	6.20	6.89	6.63	12.55	23.66
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.34	-2.08	-1.27	-0.49	-1.49	4.63	10.66
5230MHz	Pass	12.34	2.56	3.11	3.62	3.22	9.11	10.66
5755MHz	Pass	12.34	3.23	3.19	3.42	3.02	9.13	23.66
5795MHz	Pass	12.34	4.00	3.68	3.97	3.73	9.74	23.66
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.34	-4.49	-4.29	-3.93	-3.93	1.75	10.66
5775MHz	Pass	12.34	-2.58	-2.43	-2.39	-2.52	3.34	23.66

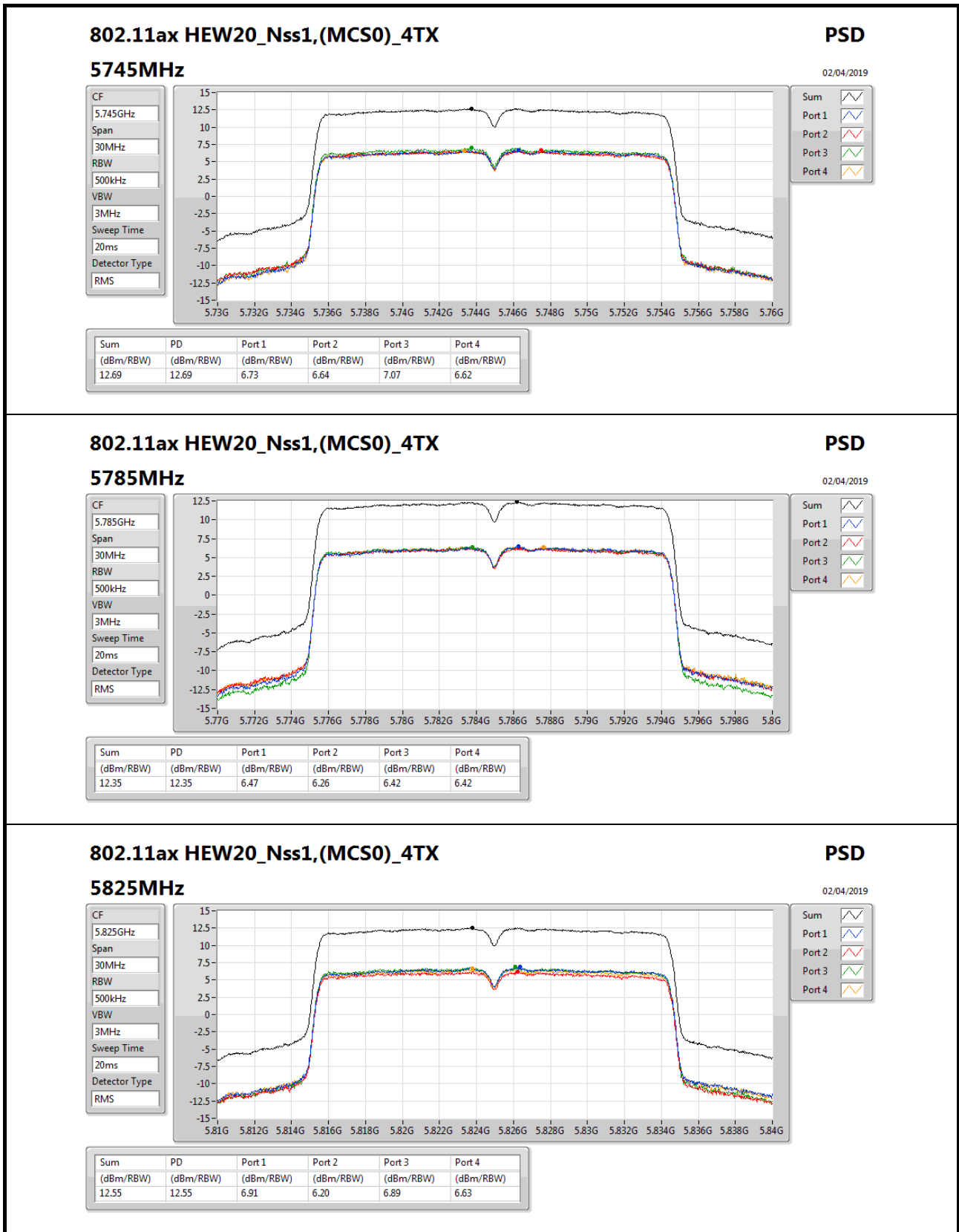
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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









802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz

PSD
02/04/2019

CF
5.825GHz

Span
30MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

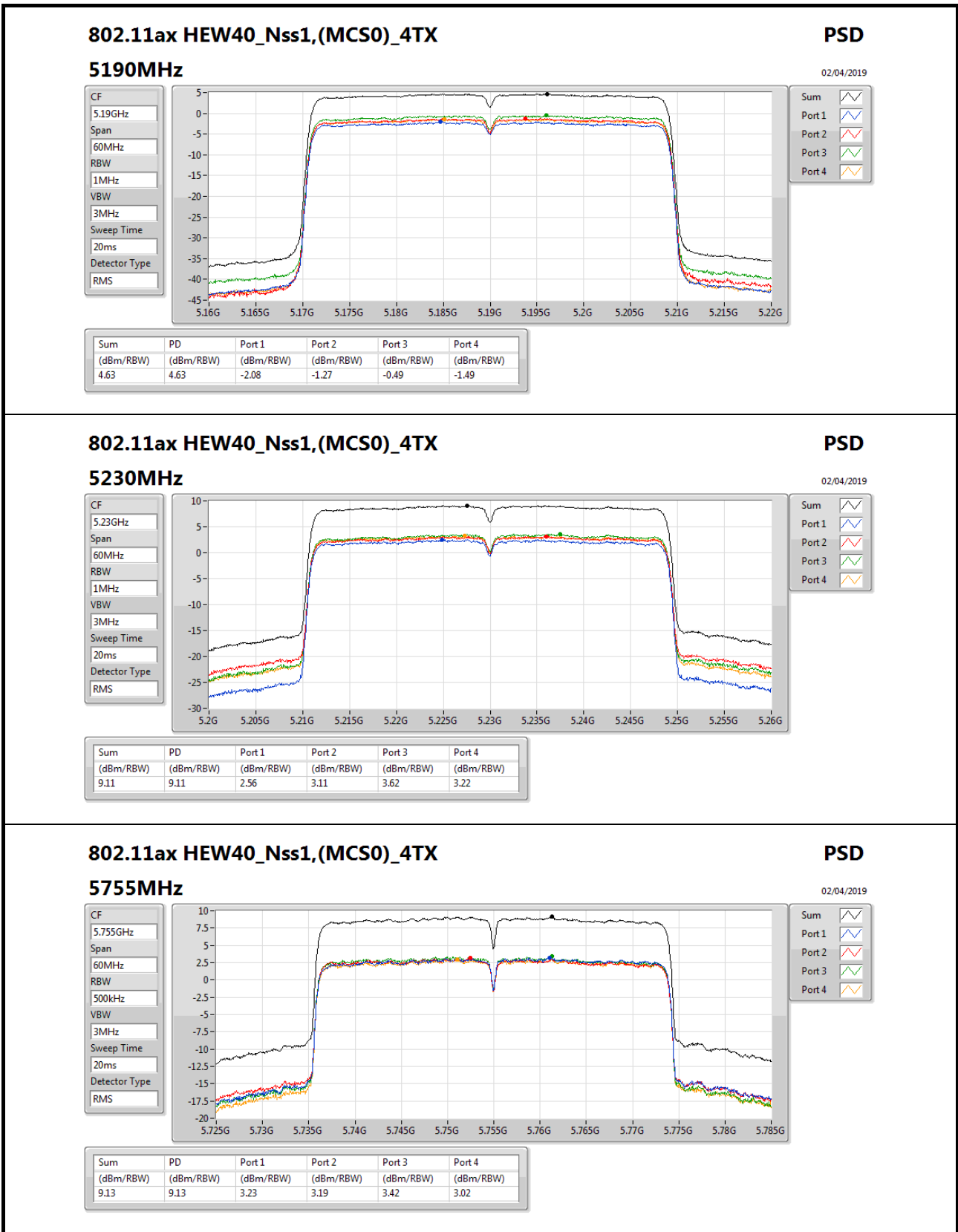
Sum

Port 1

Port 2

Port 3

Port 4



802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz

PSD
02/04/2019

CF
5.755GHz

Span
60MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

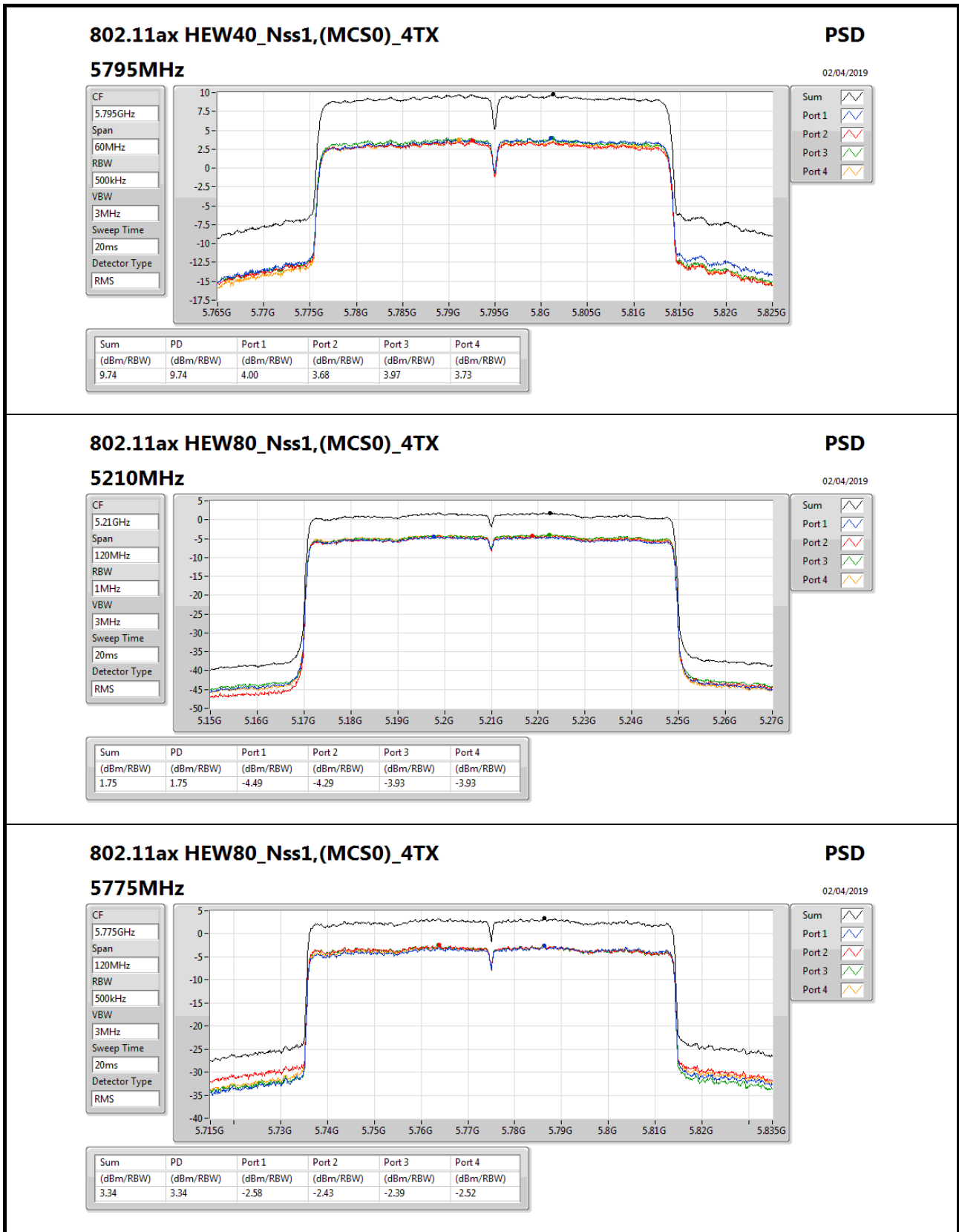
Sum

Port 1

Port 2

Port 3

Port 4





**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	9.88
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	6.83
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.33
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	8.52
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	5.63
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	2.87

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

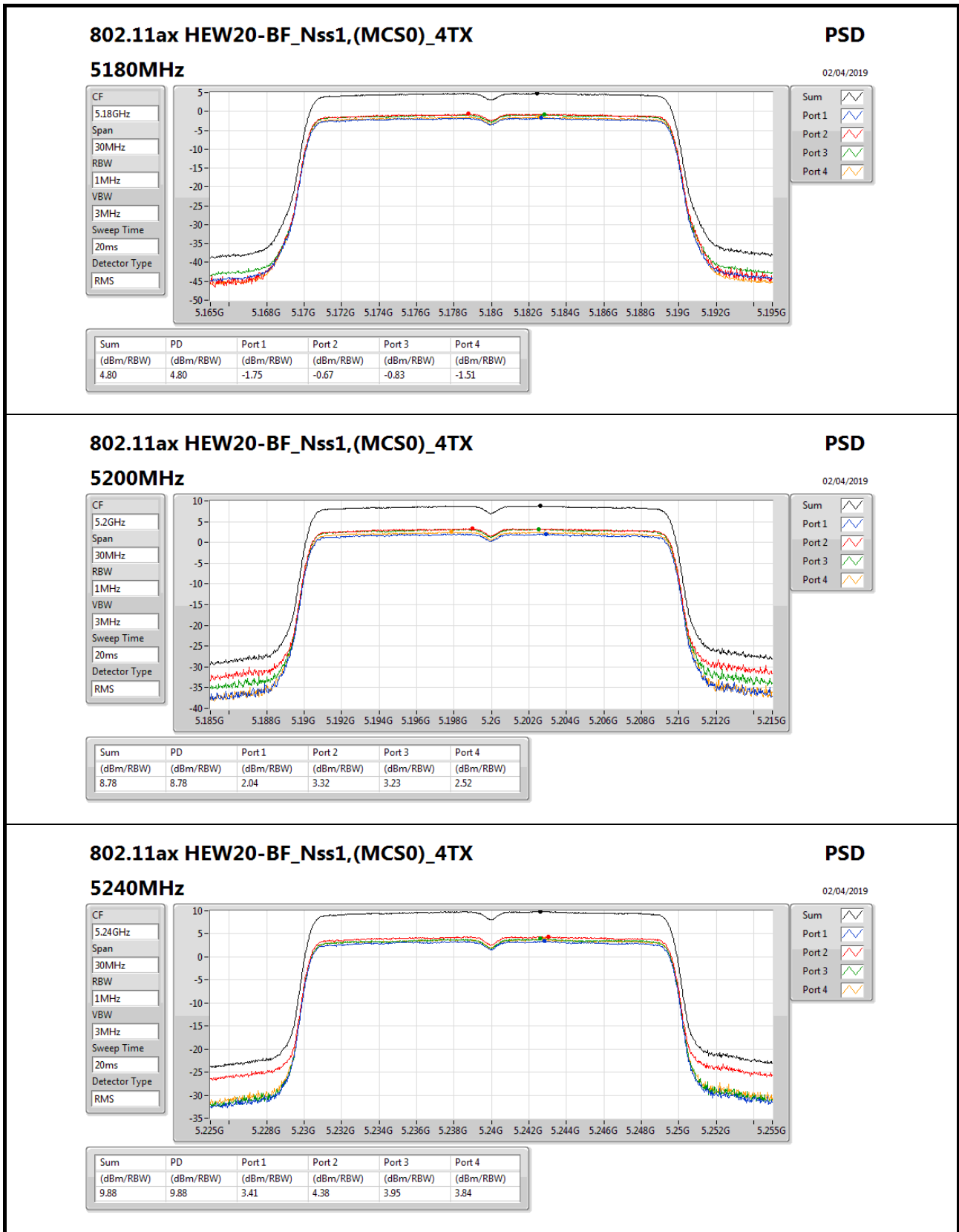


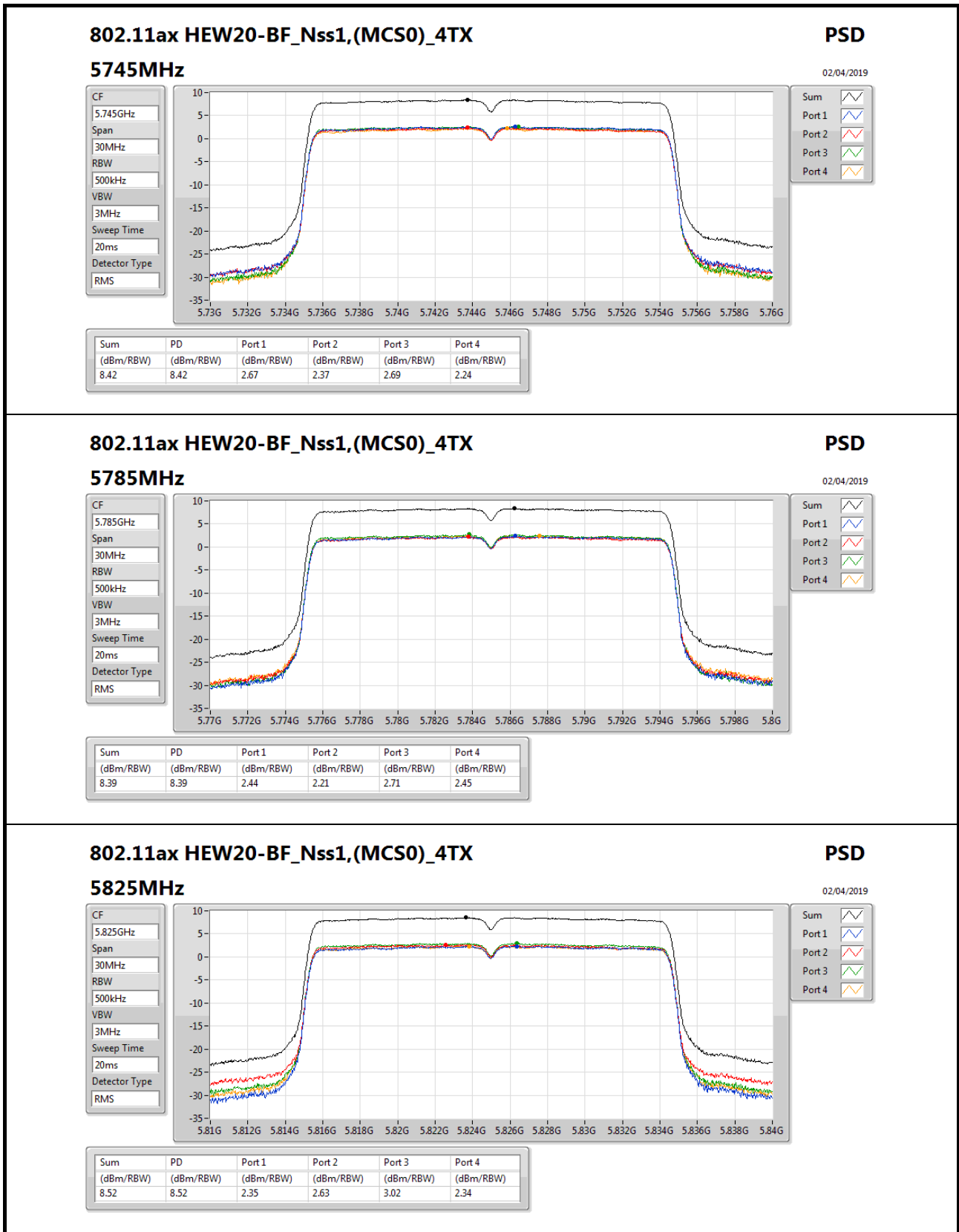
Result

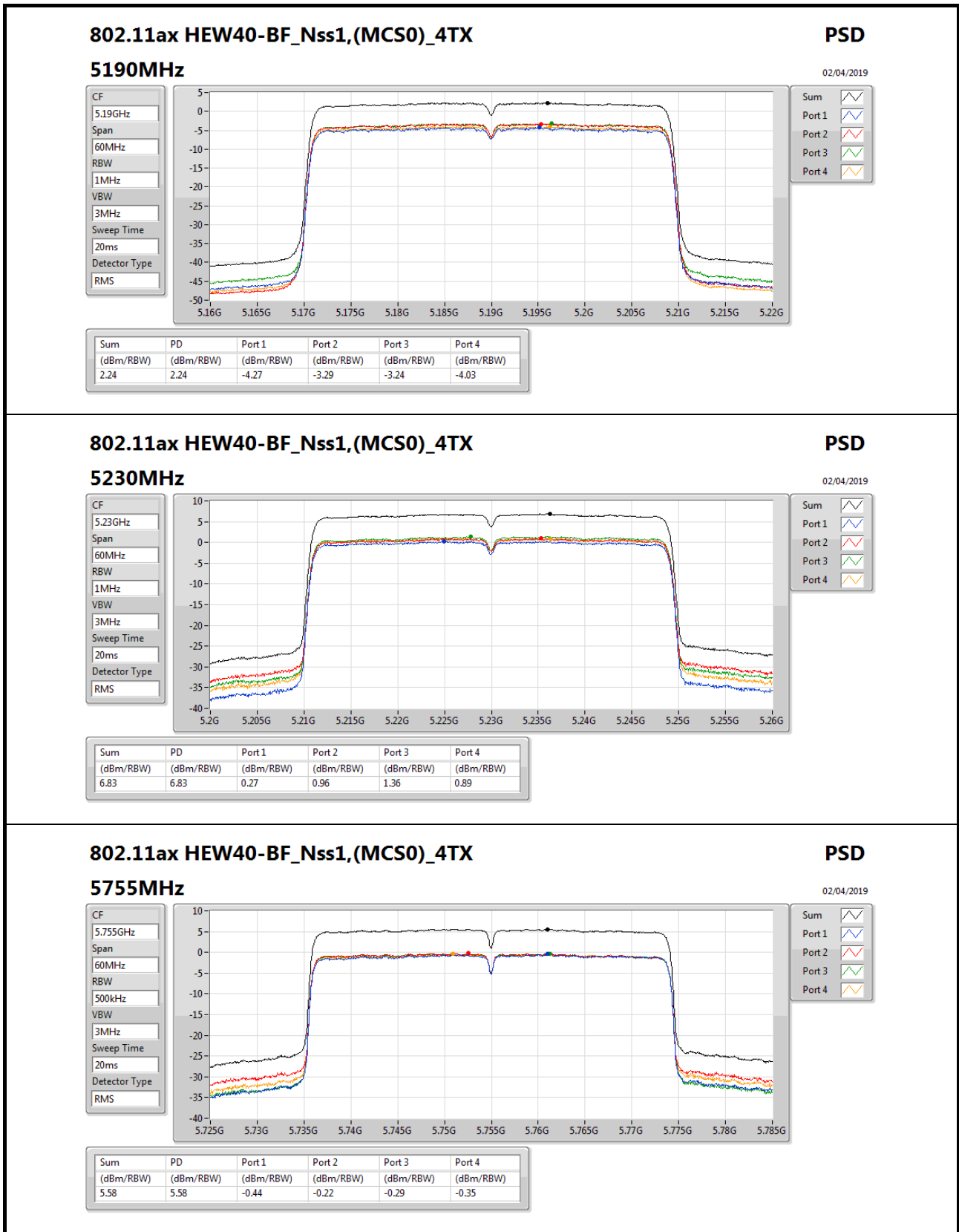
Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.34	-1.75	-0.67	-0.83	-1.51	4.80	10.66
5200MHz	Pass	12.34	2.04	3.32	3.23	2.52	8.78	10.66
5240MHz	Pass	12.34	3.41	4.38	3.95	3.84	9.88	10.66
5745MHz	Pass	12.34	2.67	2.37	2.69	2.24	8.42	23.66
5785MHz	Pass	12.34	2.44	2.21	2.71	2.45	8.39	23.66
5825MHz	Pass	12.34	2.35	2.63	3.02	2.34	8.52	23.66
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.34	-4.27	-3.29	-3.24	-4.03	2.24	10.66
5230MHz	Pass	12.34	0.27	0.96	1.36	0.89	6.83	10.66
5755MHz	Pass	12.34	-0.44	-0.22	-0.29	-0.35	5.58	23.66
5795MHz	Pass	12.34	-0.37	-0.49	0.08	-0.49	5.63	23.66
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.34	-5.90	-5.06	-5.91	-5.78	0.33	10.66
5775MHz	Pass	12.34	-3.39	-3.34	-2.60	-2.92	2.87	23.66

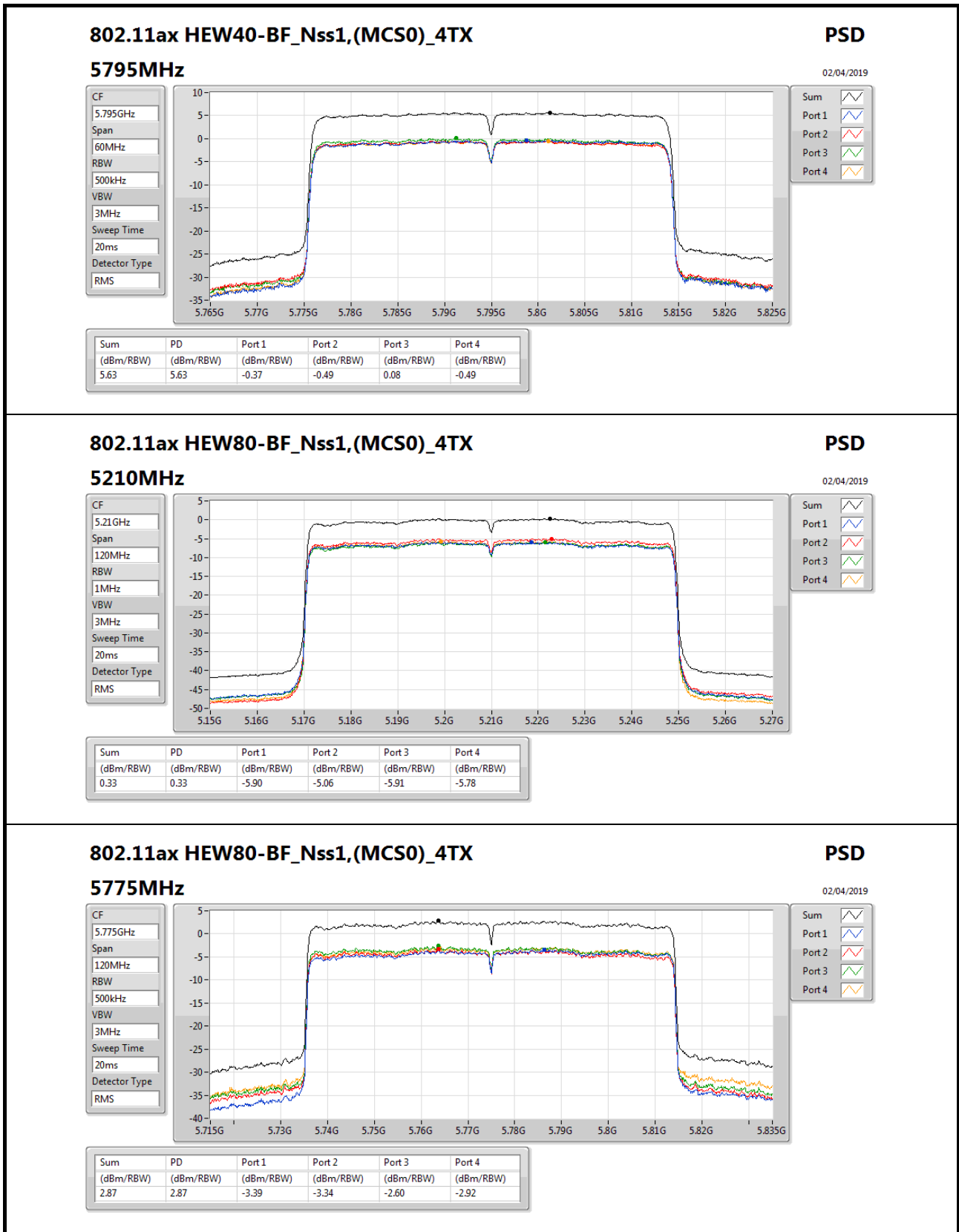
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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









802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5775MHz

PSD

02/04/2019

CF

5.775GHz

Span

120MHz

RBW

500kHz

VBW

3MHz

Sweep Time

20ms

Detector Type

RMS

Sum

Port 1

Port 2

Port 3

Port 4



**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	12.31
802.11ax HEW40_Nss4,(MCS0)_4TX	8.40
802.11ax HEW80_Nss4,(MCS0)_4TX	2.57
5.725-5.85GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	12.71
802.11ax HEW40_Nss4,(MCS0)_4TX	10.29
802.11ax HEW80_Nss4,(MCS0)_4TX	3.65

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

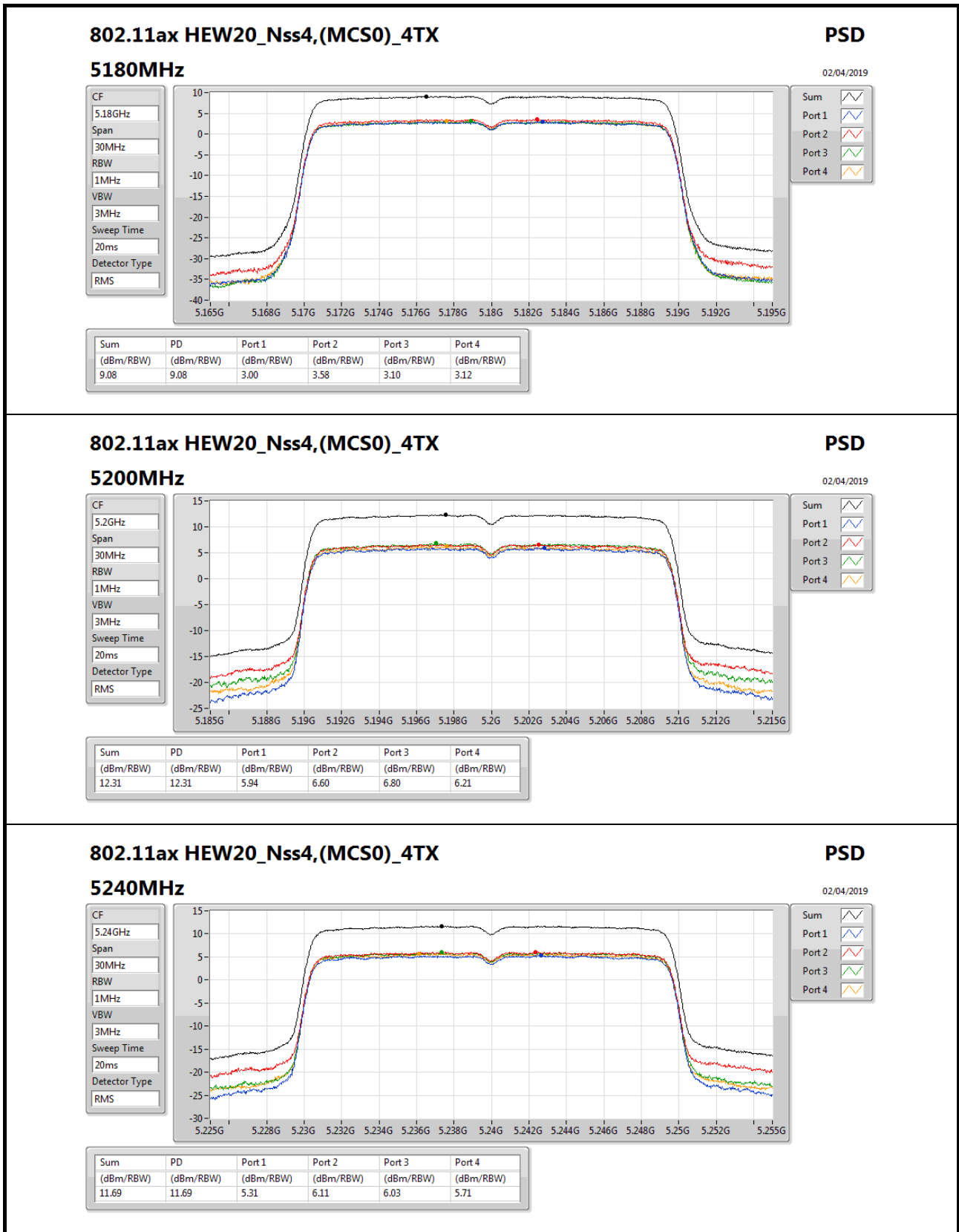


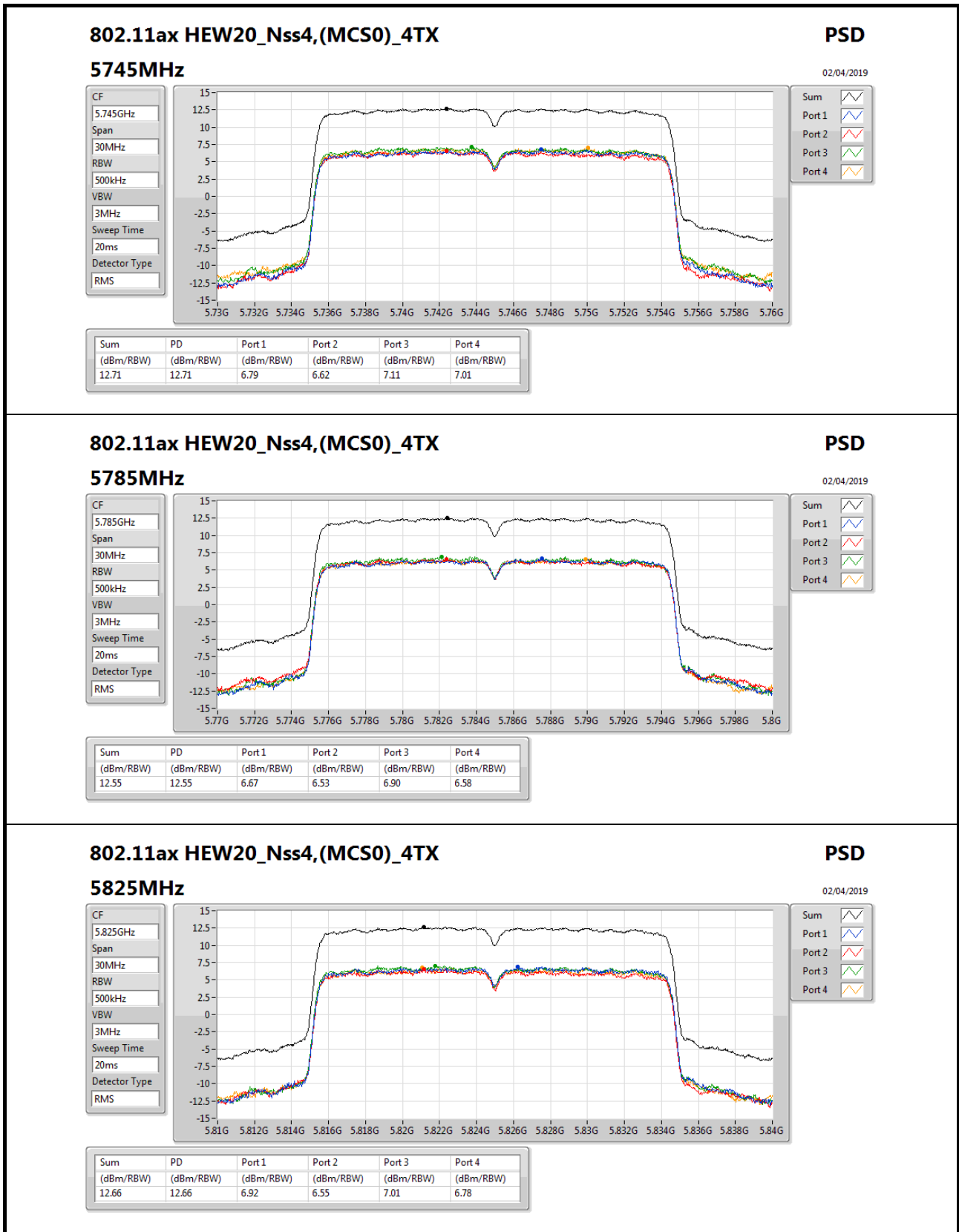
Result

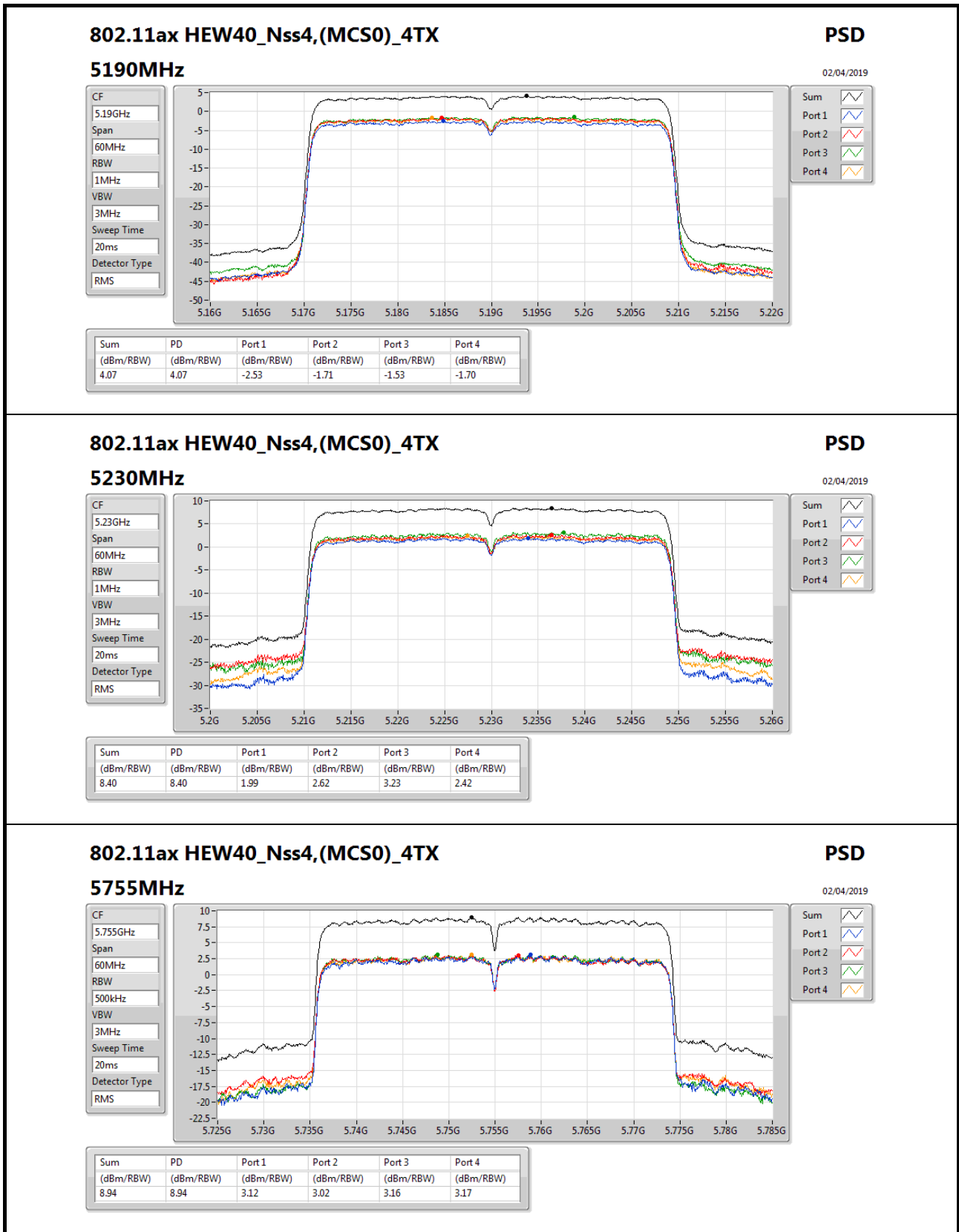
Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.32	3.00	3.58	3.10	3.12	9.08	16.68
5200MHz	Pass	6.32	5.94	6.60	6.80	6.21	12.31	16.68
5240MHz	Pass	6.32	5.31	6.11	6.03	5.71	11.69	16.68
5745MHz	Pass	6.32	6.79	6.62	7.11	7.01	12.71	29.68
5785MHz	Pass	6.32	6.67	6.53	6.90	6.58	12.55	29.68
5825MHz	Pass	6.32	6.92	6.55	7.01	6.78	12.66	29.68
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.32	-2.53	-1.71	-1.53	-1.70	4.07	16.68
5230MHz	Pass	6.32	1.99	2.62	3.23	2.42	8.40	16.68
5755MHz	Pass	6.32	3.12	3.02	3.16	3.17	8.94	29.68
5795MHz	Pass	6.32	4.50	4.30	4.72	4.50	10.29	29.68
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.32	-3.75	-2.97	-3.51	-3.28	2.57	16.68
5775MHz	Pass	6.32	-2.29	-1.97	-2.11	-1.95	3.65	29.68

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

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







802.11ax HEW40_Nss4,(MCS0)_4TX

5755MHz

PSD
02/04/2019

CF
5.755GHz

Span
60MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

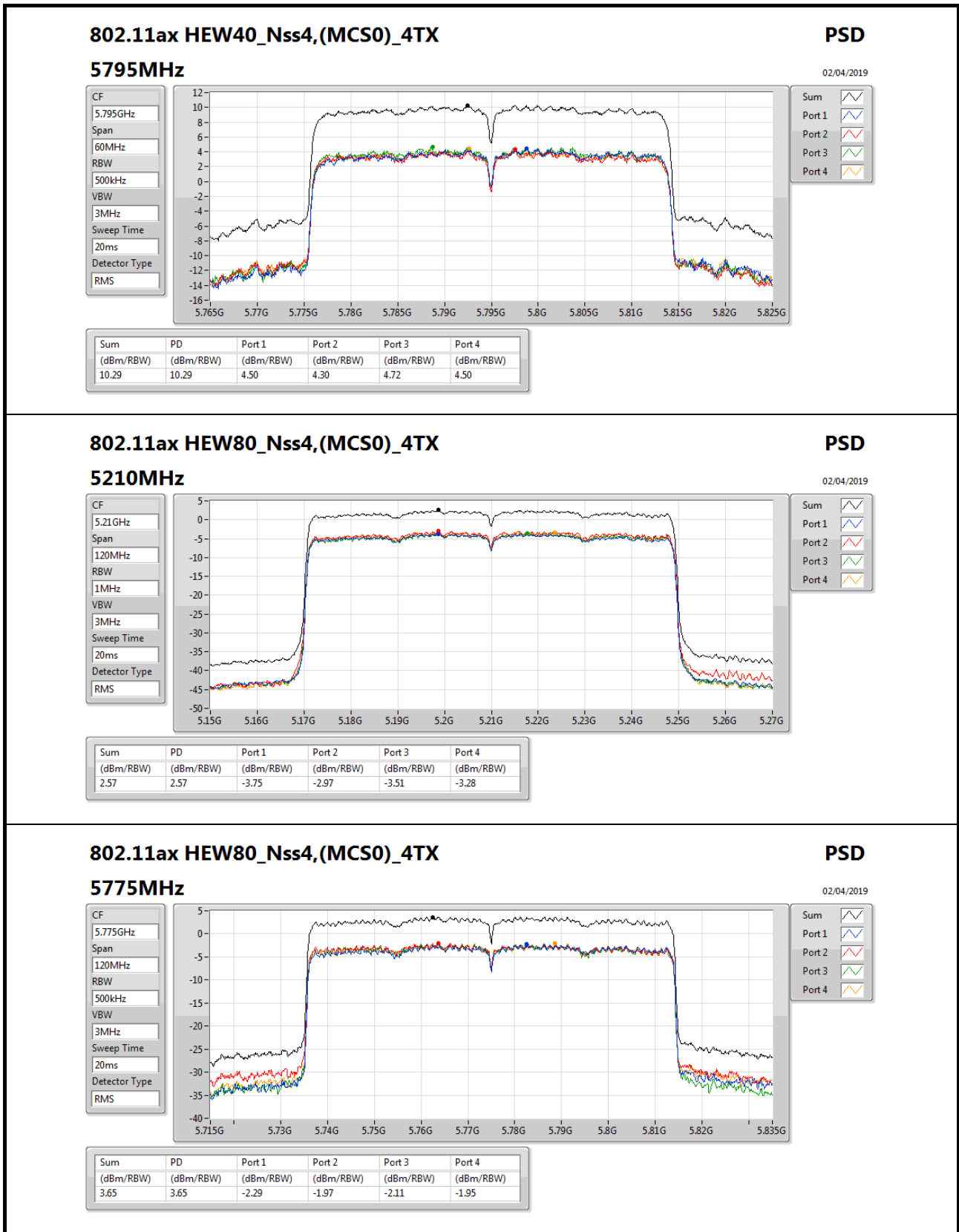
Sum

Port 1

Port 2

Port 3

Port 4





**For Outdoor use for 5G Band 1:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	2.21
802.11ax HEW20_Nss1,(MCS0)_1TX	1.33
802.11ax HEW40_Nss1,(MCS0)_1TX	-1.40
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.96

RBW = 500kHz 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)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	6.32	1.98	1.98	16.68
5200MHz	Pass	6.32	2.21	2.21	16.68
5240MHz	Pass	6.32	1.98	1.98	16.68
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	6.32	1.28	1.28	16.68
5200MHz	Pass	6.32	1.18	1.18	16.68
5240MHz	Pass	6.32	1.33	1.33	16.68
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	6.32	-1.40	-1.40	16.68
5230MHz	Pass	6.32	-1.59	-1.59	16.68
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	6.32	-3.96	-3.96	16.68

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

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

