



**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	15.68	0.03698
5.25-5.35GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	23.65	0.23174
802.11ax HEW40_Nss4,(MCS0)_4TX	23.55	0.22646
802.11ax HEW80_Nss4,(MCS0)_4TX	20.09	0.10209
802.11ax HEW160_Nss4,(MCS0)_4TX	15.97	0.03954
5.47-5.725GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	23.57	0.22751
802.11ax HEW40_Nss4,(MCS0)_4TX	23.57	0.22751
802.11ax HEW80_Nss4,(MCS0)_4TX	23.62	0.23014
802.11ax HEW160_Nss4,(MCS0)_4TX	18.72	0.07447
5.725-5.85GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	17.39	0.05483
802.11ax HEW40_Nss4,(MCS0)_4TX	13.58	0.02280
802.11ax HEW80_Nss4,(MCS0)_4TX	9.99	0.00998

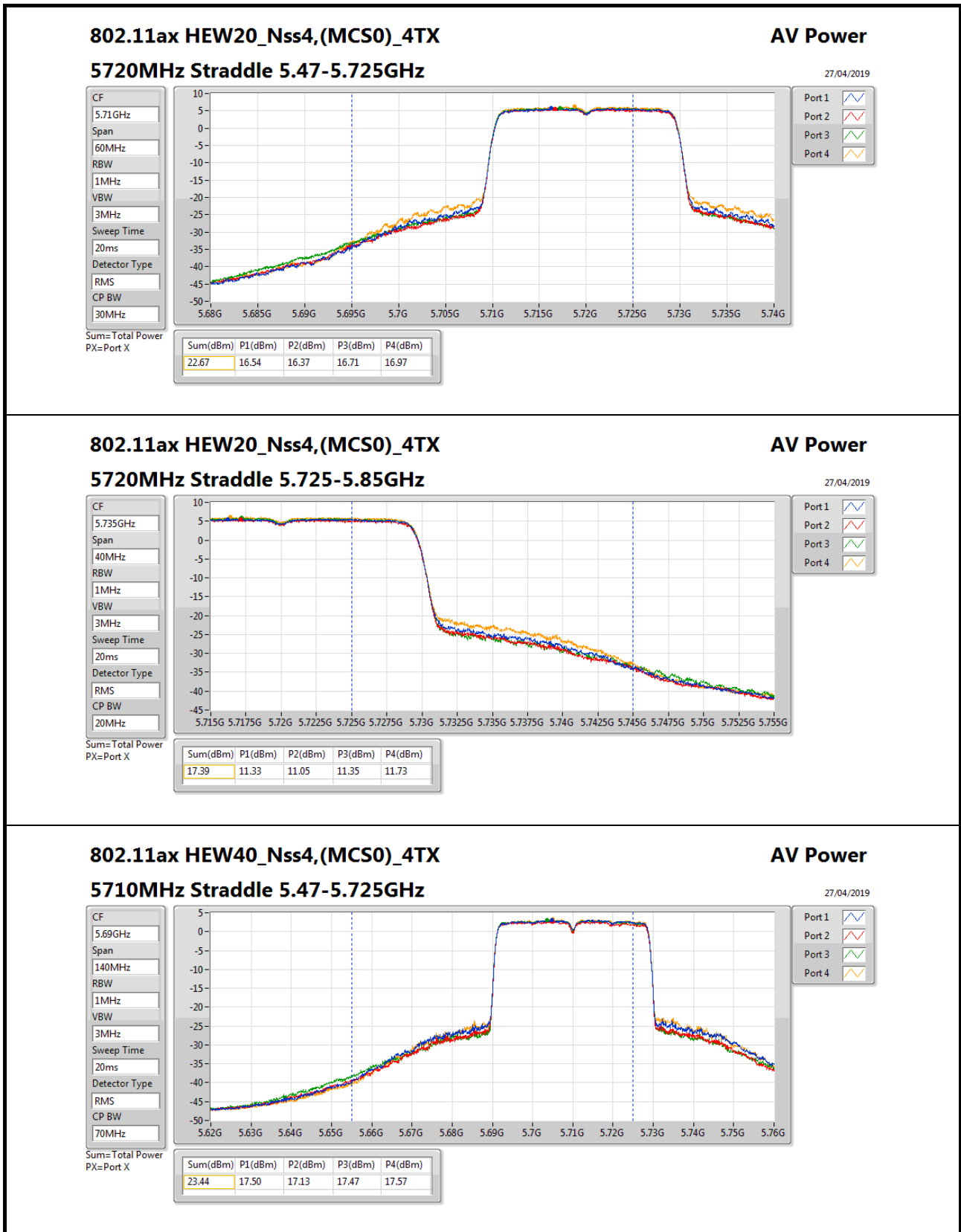


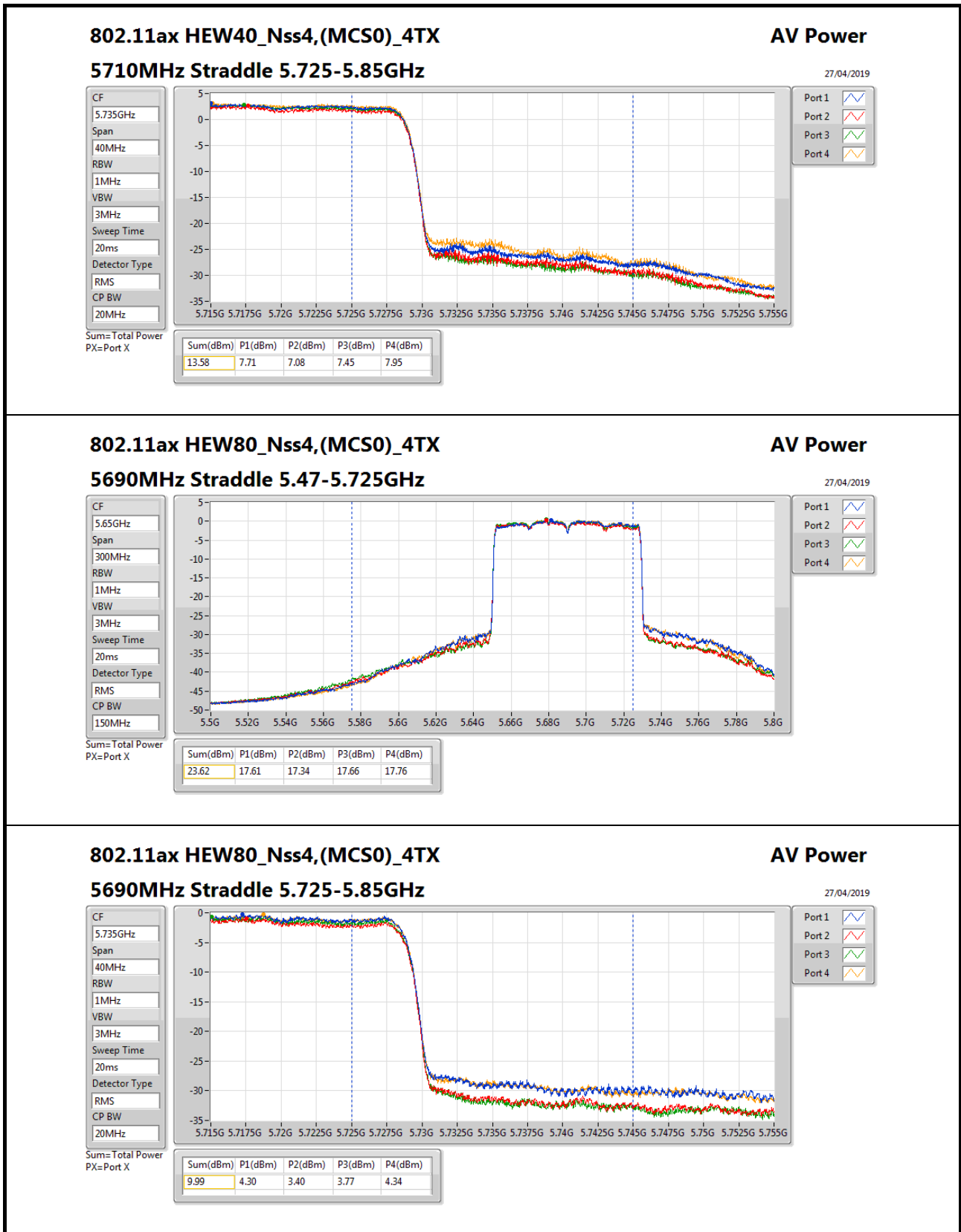
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5260MHz	Pass	6.32	17.02	17.97	17.91	17.54	23.65	23.66	17.5
5300MHz	Pass	6.32	17.04	17.65	17.79	17.81	23.60	23.66	17.5
5320MHz	Pass	6.32	16.06	16.74	17.27	16.69	22.73	23.66	16.5
5500MHz	Pass	6.32	16.24	15.75	16.32	16.02	22.11	23.66	16.25
5580MHz	Pass	6.32	17.63	17.28	17.91	17.35	23.57	23.66	17.75
5700MHz	Pass	6.32	14.56	14.71	14.68	15.03	20.77	23.66	15
5720MHz Straddle 5.47-5.725GHz	Pass	6.32	16.54	16.37	16.71	16.97	22.67	22.73	18
5720MHz Straddle 5.725-5.85GHz	Pass	6.32	11.33	11.05	11.35	11.73	17.39	29.68	18
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5270MHz	Pass	6.32	17.26	17.41	18.11	17.28	23.55	23.66	17.5
5310MHz	Pass	6.32	13.68	14.17	14.55	14.31	20.21	23.66	14.25
5510MHz	Pass	6.32	14.11	14.06	14.39	14.09	20.19	23.66	14.25
5550MHz	Pass	6.32	17.24	17.53	17.78	17.64	23.57	23.66	17.75
5670MHz	Pass	6.32	15.38	15.26	15.61	15.35	21.42	23.66	15.25
5710MHz Straddle 5.47-5.725GHz	Pass	6.32	17.50	17.13	17.47	17.57	23.44	23.66	18
5710MHz Straddle 5.725-5.85GHz	Pass	6.32	7.71	7.08	7.45	7.95	13.58	29.68	18
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5290MHz	Pass	6.32	13.59	13.89	14.25	14.48	20.09	23.66	13.75
5530MHz	Pass	6.32	12.13	12.65	13.19	12.68	18.70	23.66	13
5610MHz	Pass	6.32	16.16	16.38	16.28	16.32	22.31	23.66	16.5
5690MHz Straddle 5.47-5.725GHz	Pass	6.32	17.61	17.34	17.66	17.76	23.62	23.66	17.75
5690MHz Straddle 5.725-5.85GHz	Pass	6.32	4.30	3.40	3.77	4.34	9.99	29.68	17.75
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.32	9.41	9.53	9.71	9.97	15.68	29.68	12.75
5250MHz Straddle 5.25-5.35GHz	Pass	6.32	9.36	10.02	10.27	10.11	15.97	23.66	12.75
5570MHz	Pass	6.32	12.65	12.67	12.72	12.76	18.72	23.66	12.75

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

Note : Conducted setting = Pass conducted setting division 4.





802.11ax HEW80_Nss4,(MCS0)_4TX

5690MHz Straddle 5.725-5.85GHz

AV Power

27/04/2019

CF

5.735GHz

Span

40MHz

RBW

1MHz

VBW

3MHz

Sweep Time

20ms

Detector Type

RMS

CP BW

20MHz

Port 1

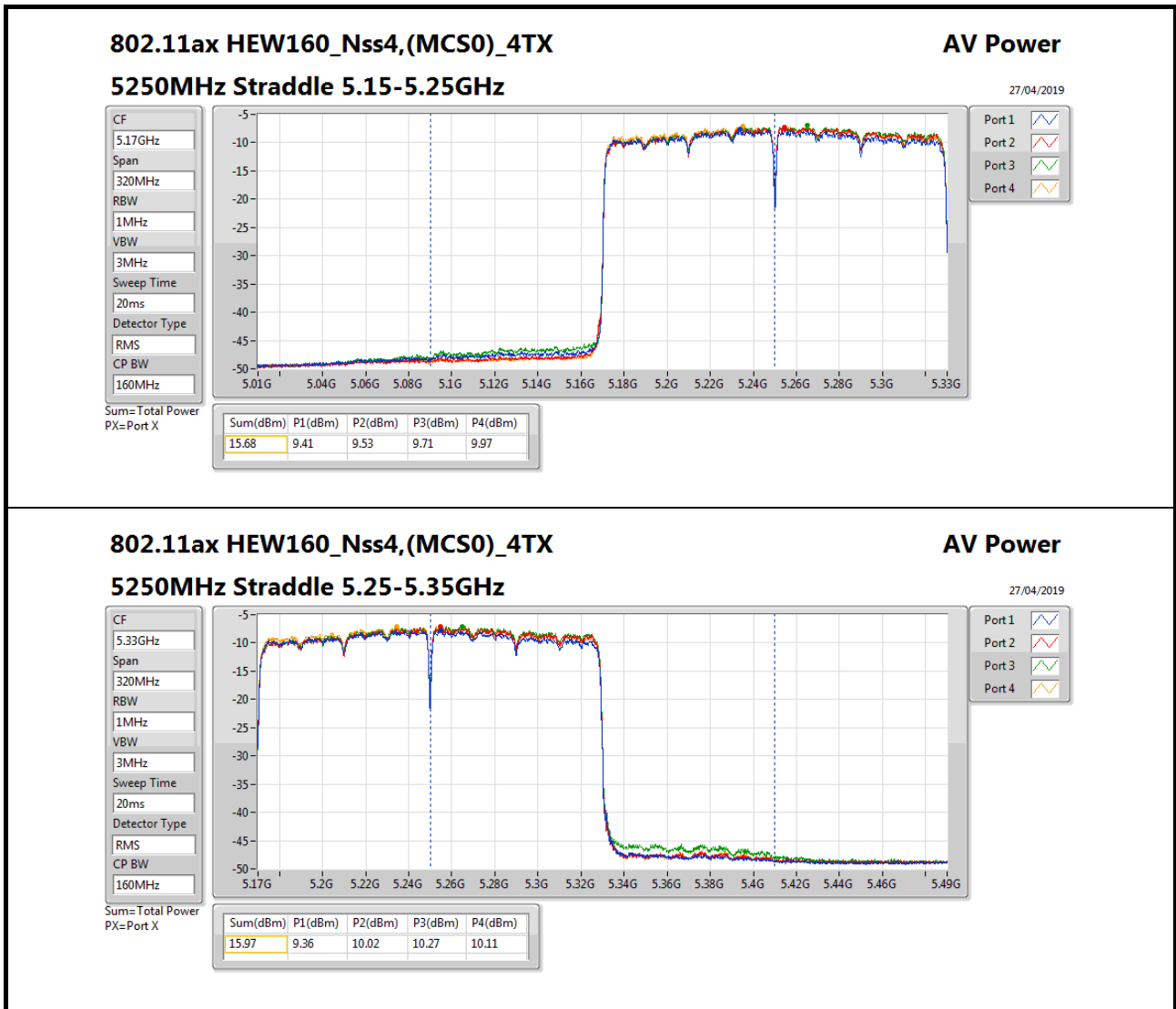
Port 2

Port 3

Port 4

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.99	4.30	3.40	3.77	4.34



802.11ax HEW160_Nss4,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz

AV Power

27/04/2019



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

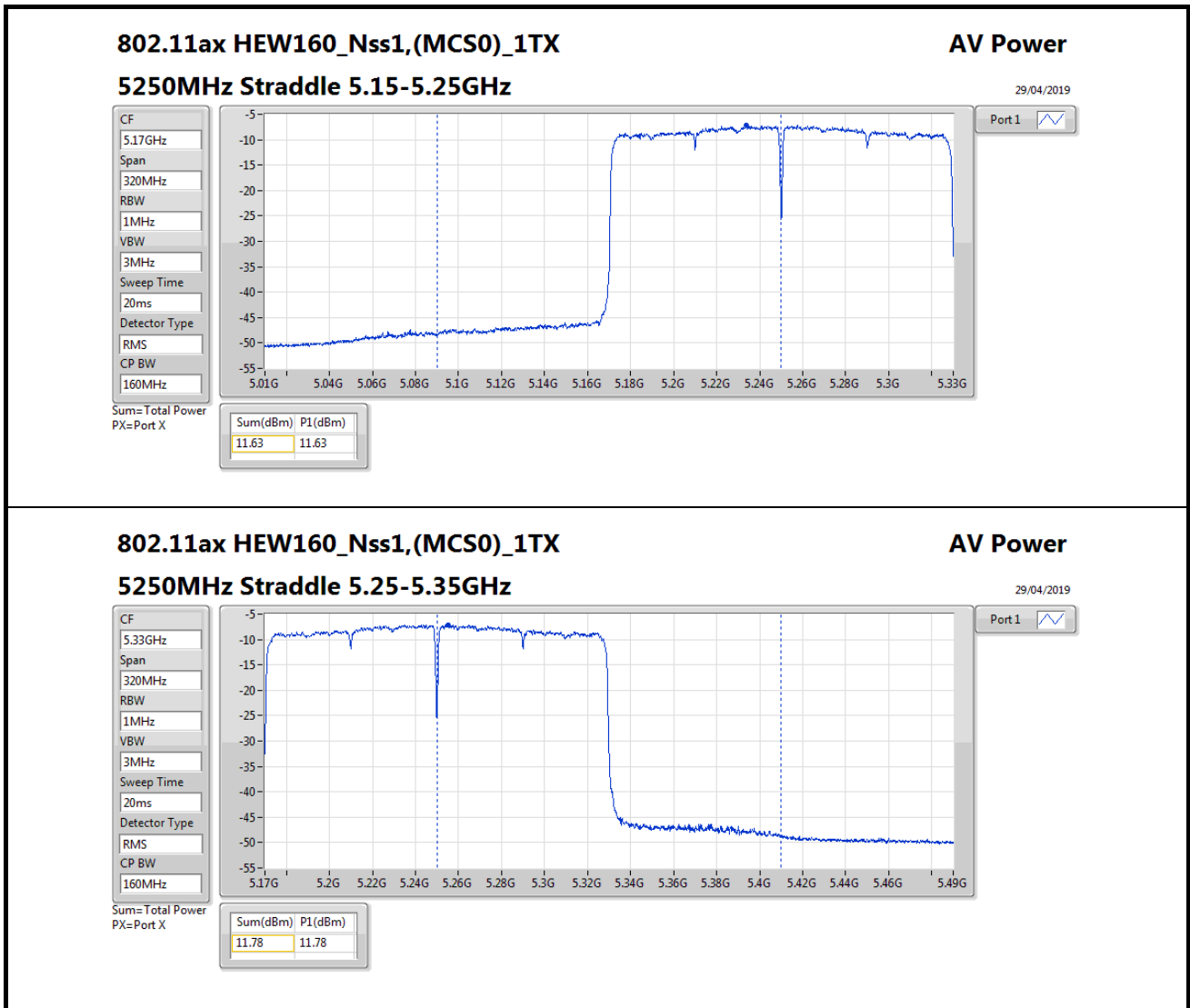
Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	11.63	0.01455	17.95/16.96	0.06237
5.25-5.35GHz	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_1TX	11.78	0.01507	18.10	0.06457



Result

Mode	Result	Directional Gain (Output Power) / Gain- Elevation 30° (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted setting
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.32/5.33	11.63	11.63	29.68	17.95/16.96	36.00/21.00	14.75
5250MHz Straddle 5.25-5.35GHz	Pass	6.32	11.78	11.78	23.66	18.10	Inf	14.75

DG = Directional Gain;Port X = Port X output power.
Note : Conducted setting = Pass conducted setting division 4.





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

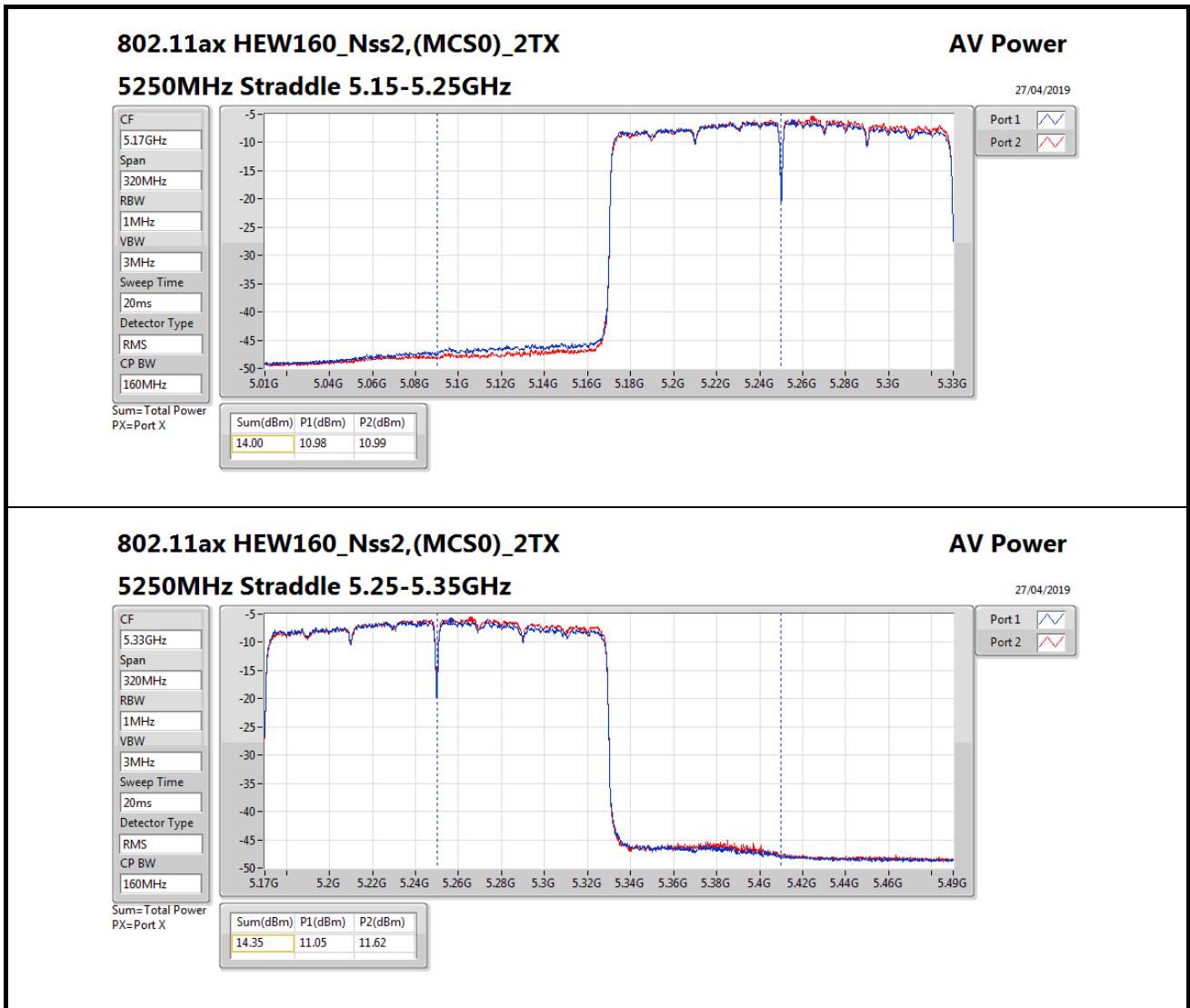
Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	14.00	0.02512	20.32/19.33	0.10765
5.25-5.35GHz	-	-	-	-
802.11ax HEW160_Nss2,(MCS0)_2TX	14.35	0.02723	20.67	0.11668



Result

Mode	Result	Directional Gain (Output Power) / Gain- Elevation 30° (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted setting
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.32/5.33	10.98	10.99	14.00	29.68	20.32/19.33	36.00/21.00	14
5250MHz Straddle 5.25-5.35GHz	Pass	6.32	11.05	11.62	14.35	23.66	20.67	Inf	14

DG = Directional Gain;**Port X** = Port X output power.
 Note : Conducted setting = Pass conducted setting division 4.





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

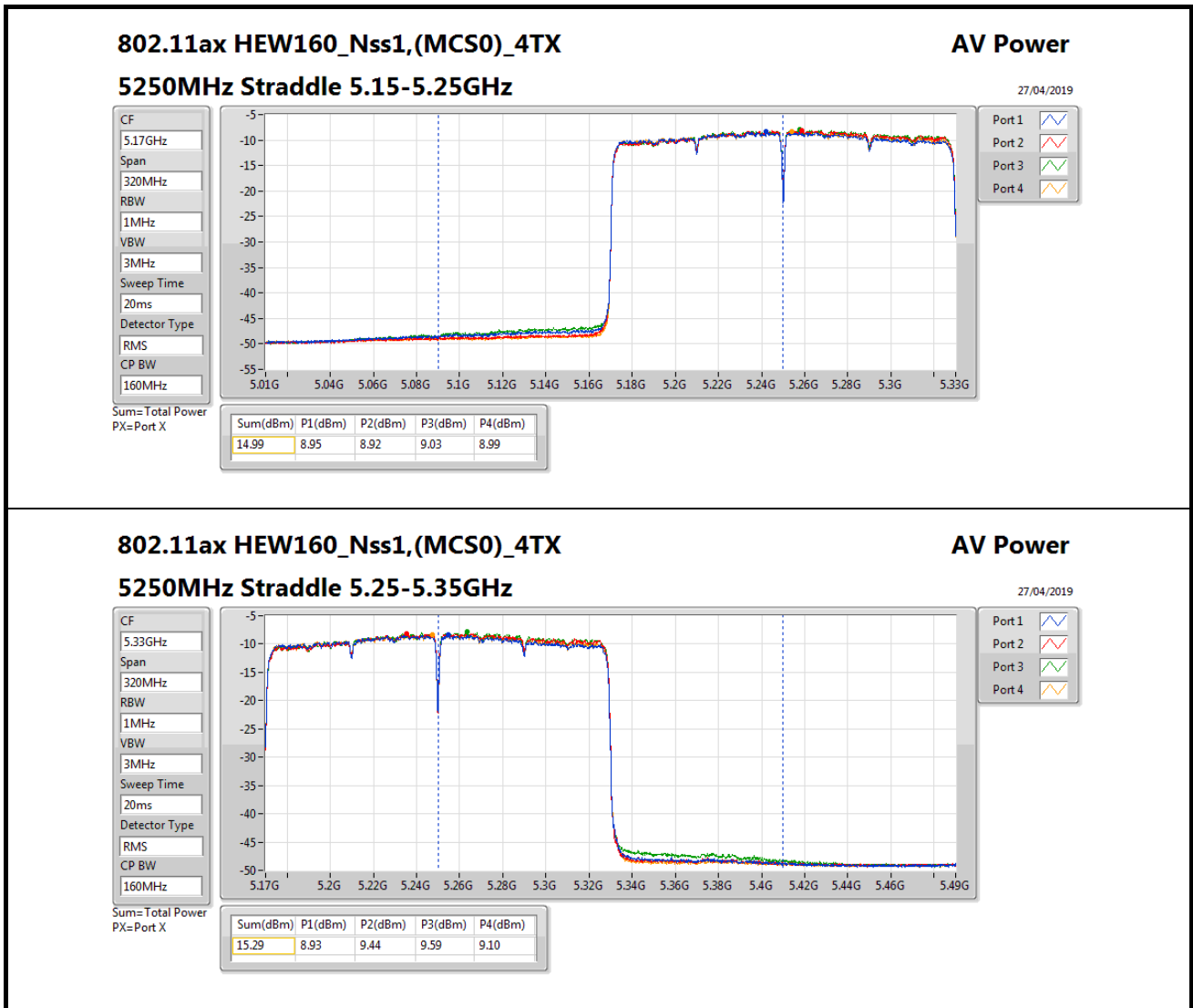
Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	14.99	0.03155	21.31/20.32	0.13521
5.25-5.35GHz	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	15.29	0.03381	21.61	0.14488



Result

Mode	Result	Directional Gain (Output Power) / Gain- Elevation 30° (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted setting
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.32/5.33	8.95	8.92	9.03	8.99	14.99	29.68	21.31/20.32	36.00/21.00	12.25
5250MHz Straddle 5.25-5.35GHz	Pass	6.32	8.93	9.44	9.59	9.10	15.29	23.66	21.61	Inf	12.25

DG = Directional Gain;**Port X** = Port X output power.
 Note : Conducted setting = Pass conducted setting division 4.



802.11ax HEW160_Nss1,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz

AV Power

27/04/2019



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

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	9.62	0.00916	21.96/20.97	0.15704
5.25-5.35GHz	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	9.58	0.00908	21.92	0.15560



Result

Mode	Result	Directional Gain (Output Power) / Gain- Elevation 30° (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted setting
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	12.34/11.35	3.20	3.83	3.79	3.53	9.62	23.66	21.96/20.97	36.00/21.00	7
5250MHz Straddle 5.25-5.35GHz	Pass	12.34	2.99	3.94	3.97	3.24	9.58	17.64	21.92	Inf	7

DG = Directional Gain; **Port X** = Port X output power.
 Note : Conducted setting = Pass conducted setting division 4.

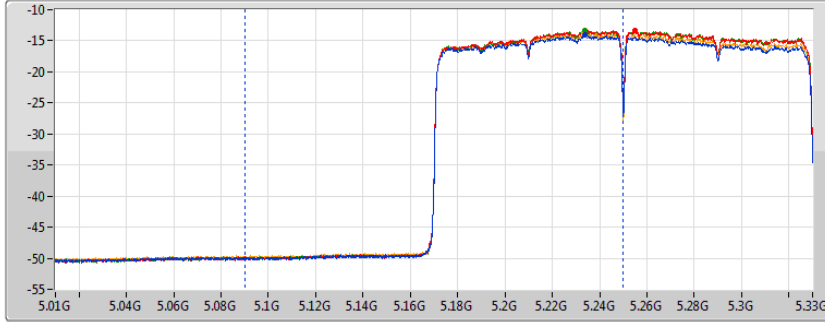
802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

15/05/2019

CF
5.17GHz
Span
320MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
160MHz



Port 1
Port 2
Port 3
Port 4

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.62	3.20	3.83	3.79	3.53

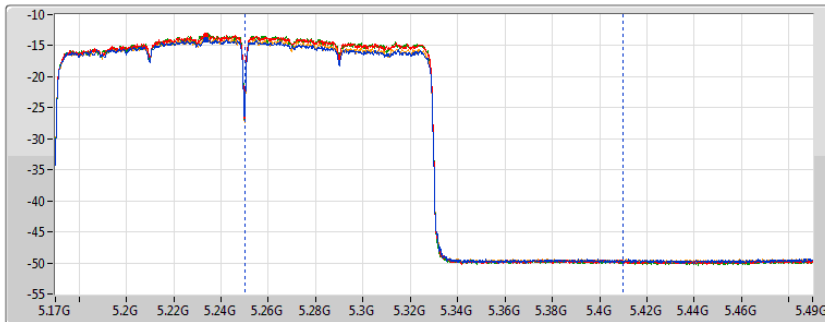
802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

15/05/2019

CF
5.33GHz
Span
320MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
160MHz



Port 1
Port 2
Port 3
Port 4

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.58	2.99	3.94	3.97	3.24



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

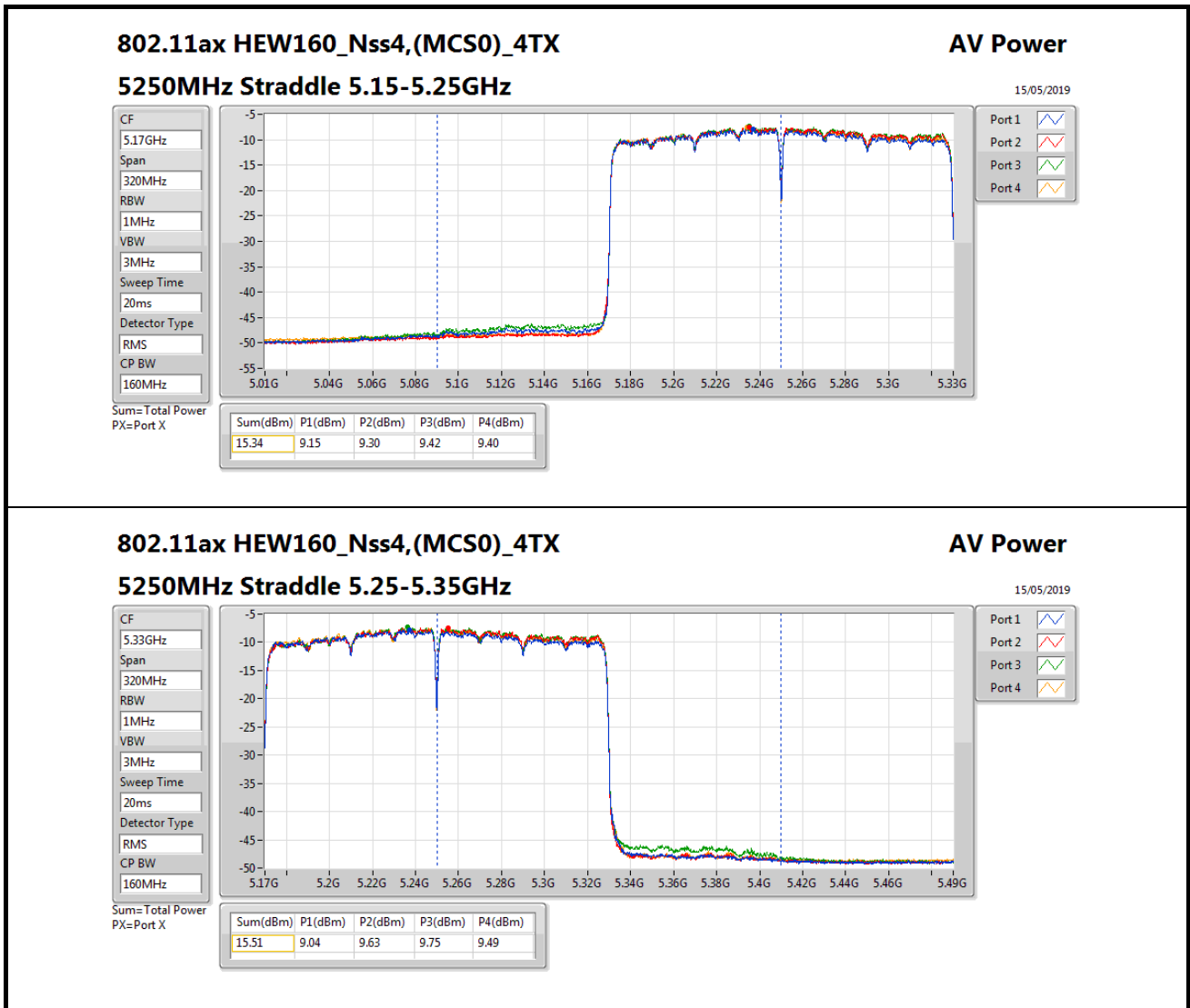
Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	15.34	0.03420	21.66/20.67	0.14655
5.25-5.35GHz	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	15.51	0.03556	21.83	0.15241



Result

Mode	Result	Directional Gain (Output Power) / Gain- Elevation 30° (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Conducted setting
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.32/5.33	9.15	9.30	9.42	9.40	15.34	29.68	21.66/20.67	36.00/21.00	12.5
5250MHz Straddle 5.25-5.35GHz	Pass	6.32	9.04	9.63	9.75	9.49	15.51	23.66	21.83	Inf	12.5

DG = Directional Gain;**Port X** = Port X output power.
 Note : Conducted setting = Pass conducted setting division 4.





**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss1,(MCS0)_1TX	-6.29
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.45
802.11ax HEW20_Nss1,(MCS0)_1TX	7.35
802.11ax HEW40_Nss1,(MCS0)_1TX	4.28
802.11ax HEW80_Nss1,(MCS0)_1TX	-2.80
802.11ax HEW160_Nss1,(MCS0)_1TX	-5.81
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	5.78
802.11ax HEW20_Nss1,(MCS0)_1TX	4.63
802.11ax HEW40_Nss1,(MCS0)_1TX	3.89
802.11ax HEW80_Nss1,(MCS0)_1TX	1.60
802.11ax HEW160_Nss1,(MCS0)_1TX	-5.84
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	2.37
802.11ax HEW20_Nss1,(MCS0)_1TX	2.63
802.11ax HEW40_Nss1,(MCS0)_1TX	-0.11
802.11ax HEW80_Nss1,(MCS0)_1TX	-0.78

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

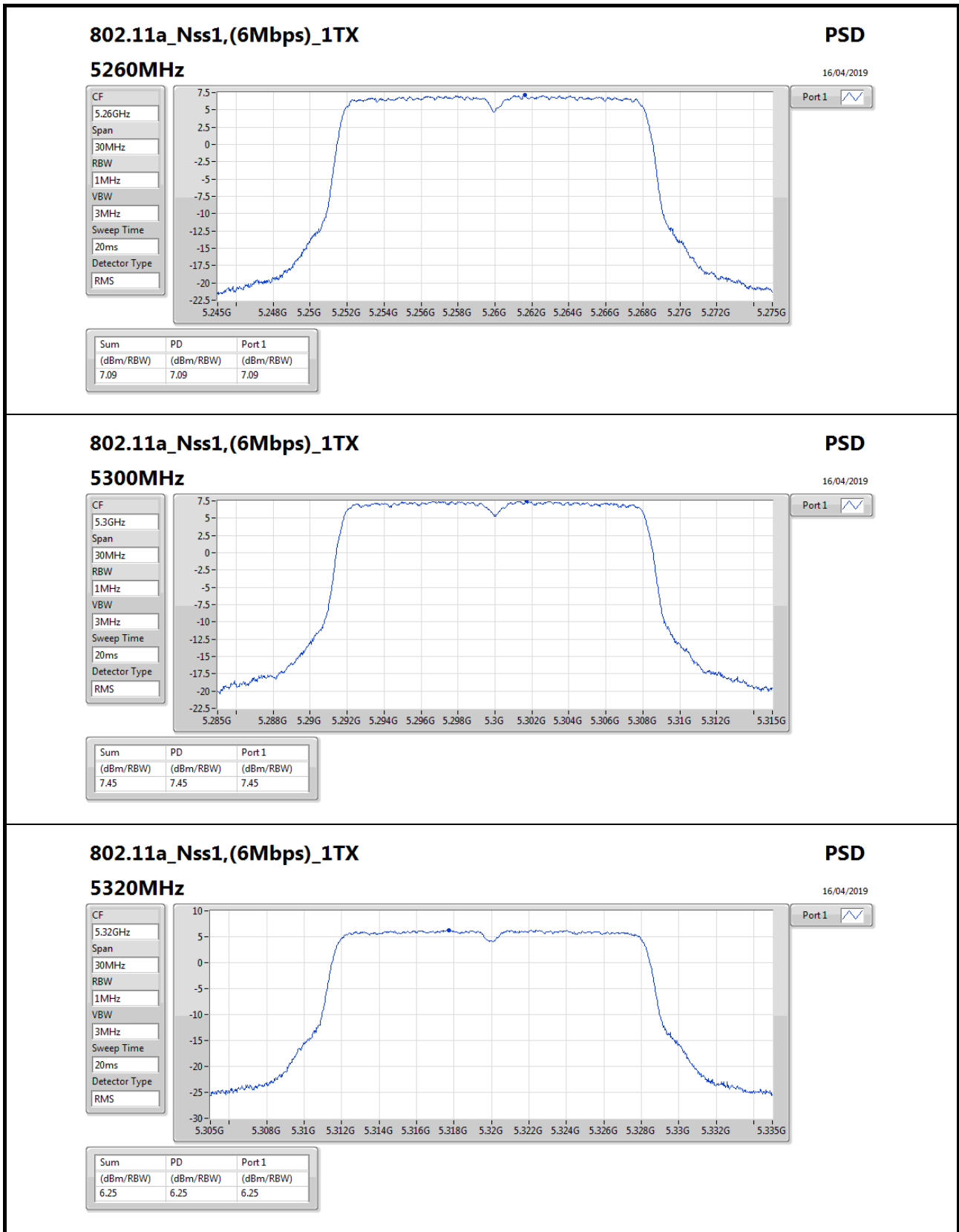


Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5260MHz	Pass	8.27	7.09	7.09	8.73
5300MHz	Pass	8.27	7.45	7.45	8.73
5320MHz	Pass	8.27	6.25	6.25	8.73
5500MHz	Pass	8.27	4.80	4.80	8.73
5580MHz	Pass	8.27	5.78	5.78	8.73
5700MHz	Pass	8.27	2.30	2.30	8.73
5720MHz Straddle 5.47-5.725GHz	Pass	8.27	4.21	4.21	8.73
5720MHz Straddle 5.725-5.85GHz	Pass	8.27	2.37	2.37	27.73
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5260MHz	Pass	8.27	6.96	6.96	8.73
5300MHz	Pass	8.27	7.35	7.35	8.73
5320MHz	Pass	8.27	5.11	5.11	8.73
5500MHz	Pass	8.27	3.43	3.43	8.73
5580MHz	Pass	8.27	4.63	4.63	8.73
5700MHz	Pass	8.27	-0.09	-0.09	8.73
5720MHz Straddle 5.47-5.725GHz	Pass	8.27	4.44	4.44	8.73
5720MHz Straddle 5.725-5.85GHz	Pass	8.27	2.63	2.63	27.73
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5270MHz	Pass	8.27	4.28	4.28	8.73
5310MHz	Pass	8.27	0.33	0.33	8.73
5510MHz	Pass	8.27	-0.90	-0.90	8.73
5550MHz	Pass	8.27	3.89	3.89	8.73
5670MHz	Pass	8.27	1.29	1.29	8.73
5710MHz Straddle 5.47-5.725GHz	Pass	8.27	1.96	1.96	8.73
5710MHz Straddle 5.725-5.85GHz	Pass	8.27	-0.11	-0.11	27.73
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5290MHz	Pass	8.27	-2.80	-2.80	8.73
5530MHz	Pass	8.27	-3.06	-3.06	8.73
5610MHz	Pass	8.27	0.12	0.12	8.73
5690MHz Straddle 5.47-5.725GHz	Pass	8.27	1.60	1.60	8.73
5690MHz Straddle 5.725-5.85GHz	Pass	8.27	-0.78	-0.78	27.73
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.27	-6.29	-6.29	14.73
5250MHz Straddle 5.25-5.35GHz	Pass	8.27	-5.81	-5.81	8.73
5570MHz	Pass	8.27	-5.84	-5.84	8.73

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;



802.11a_Nss1,(6Mbps)_1TX

5320MHz

PSD
16/04/2019

CF
5.32GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

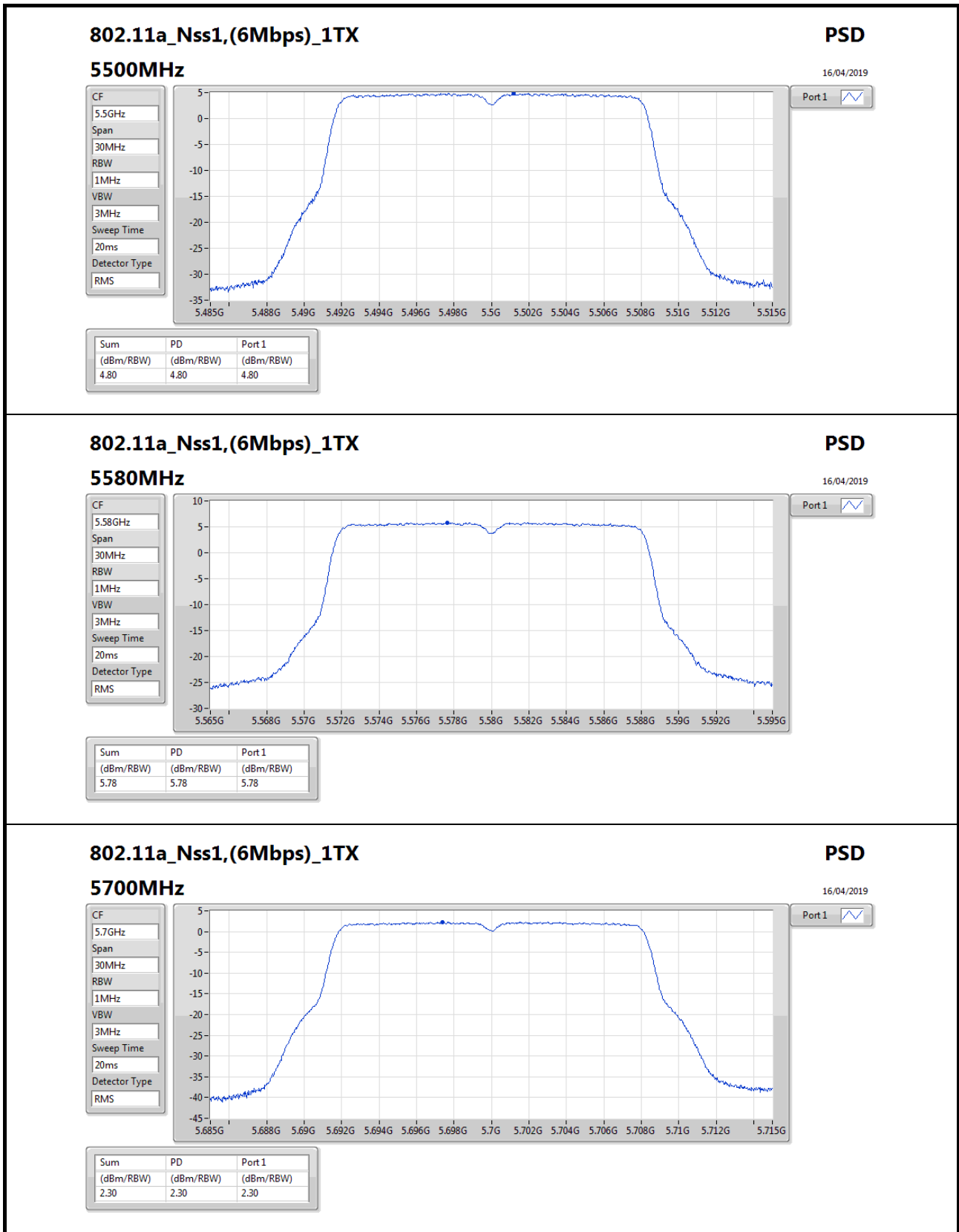
Sweep Time
20ms

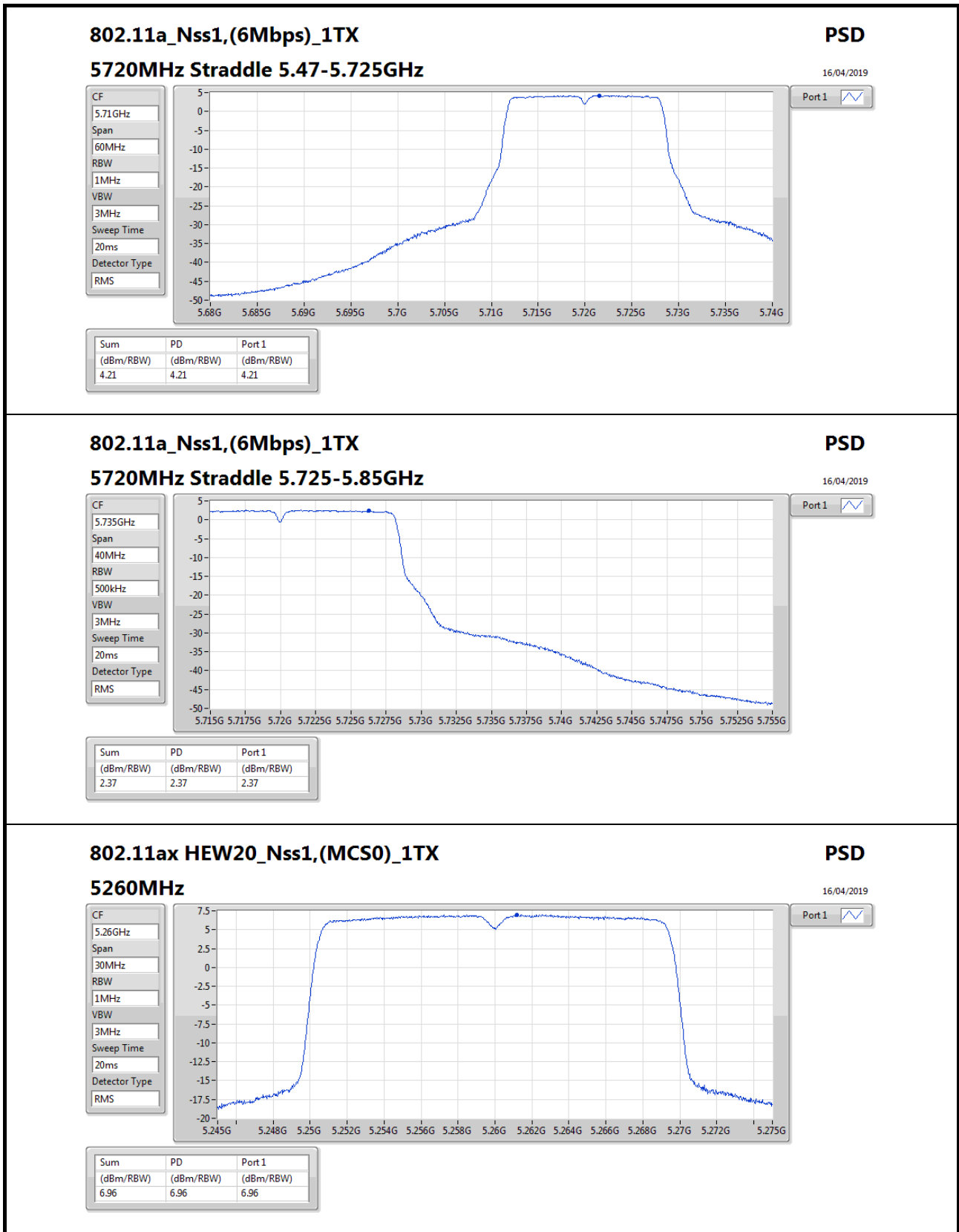
Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.25	6.25	6.25





802.11ax HEW20_Nss1,(MCS0)_1TX

5260MHz

PSD
16/04/2019

CF
5.26GHz

Span
30MHz

RBW
1MHz

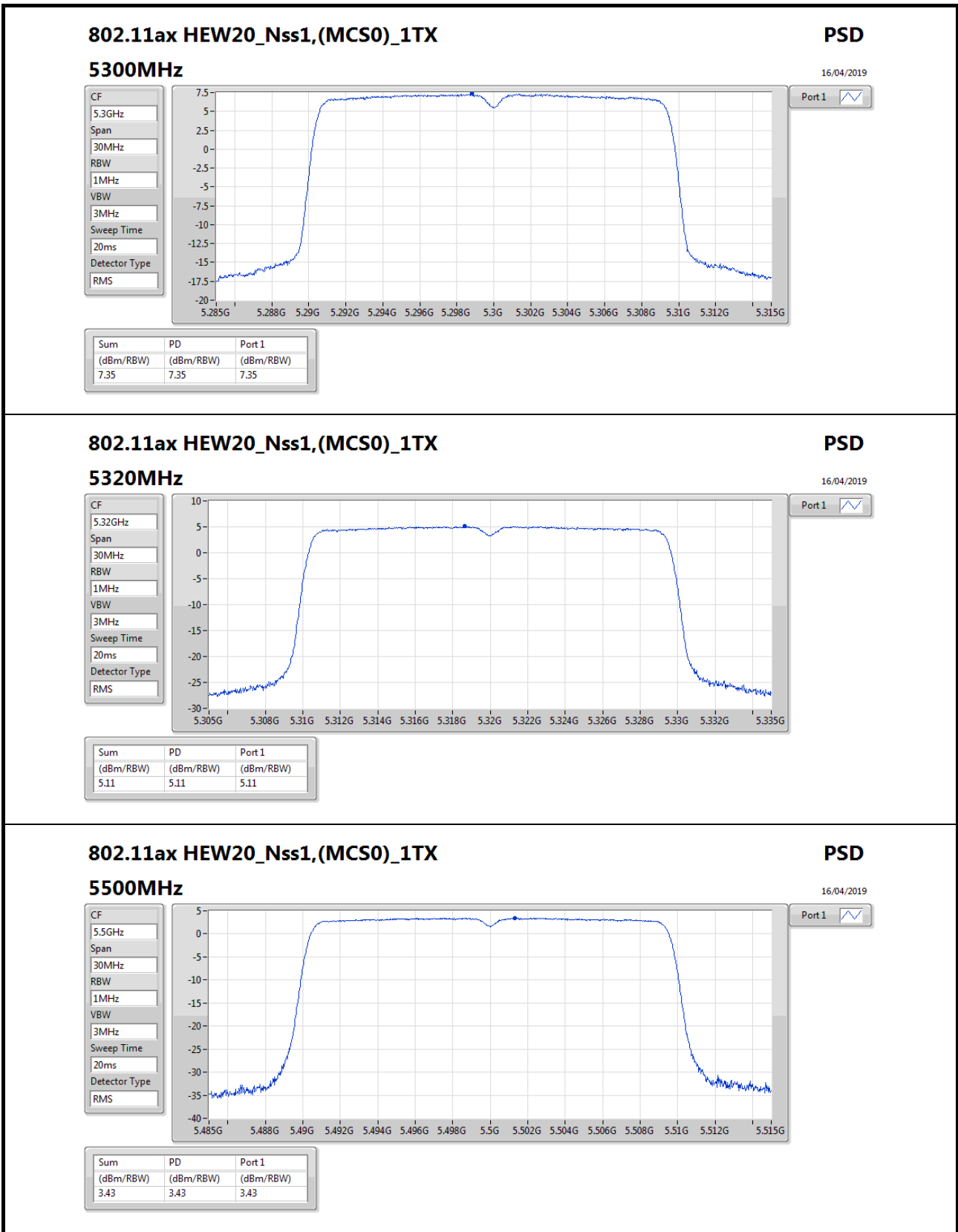
VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.96	6.96	6.96



802.11ax HEW20_Nss1,(MCS0)_1TX

5500MHz

PSD
16/04/2019

CF
5.5GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

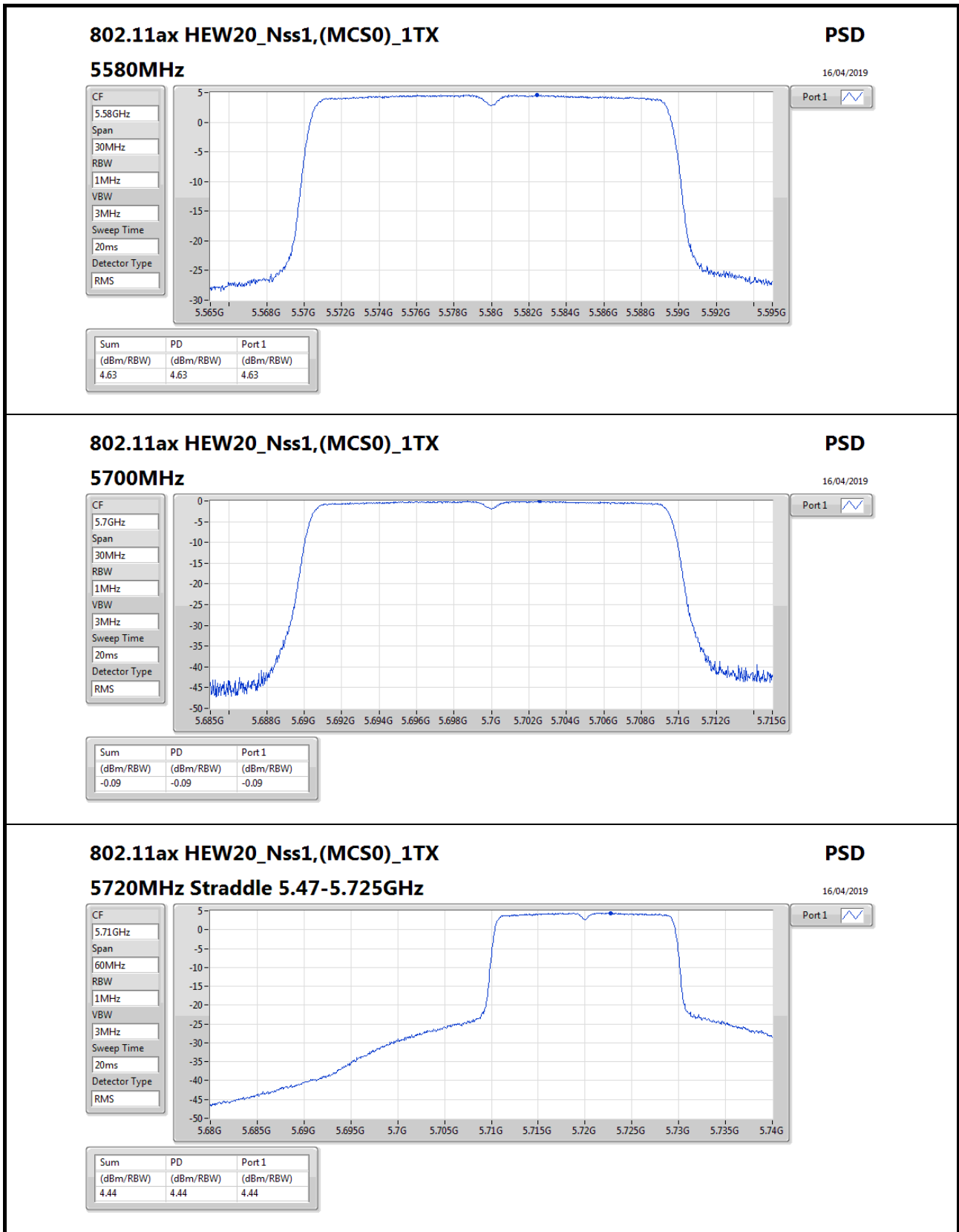
Sweep Time
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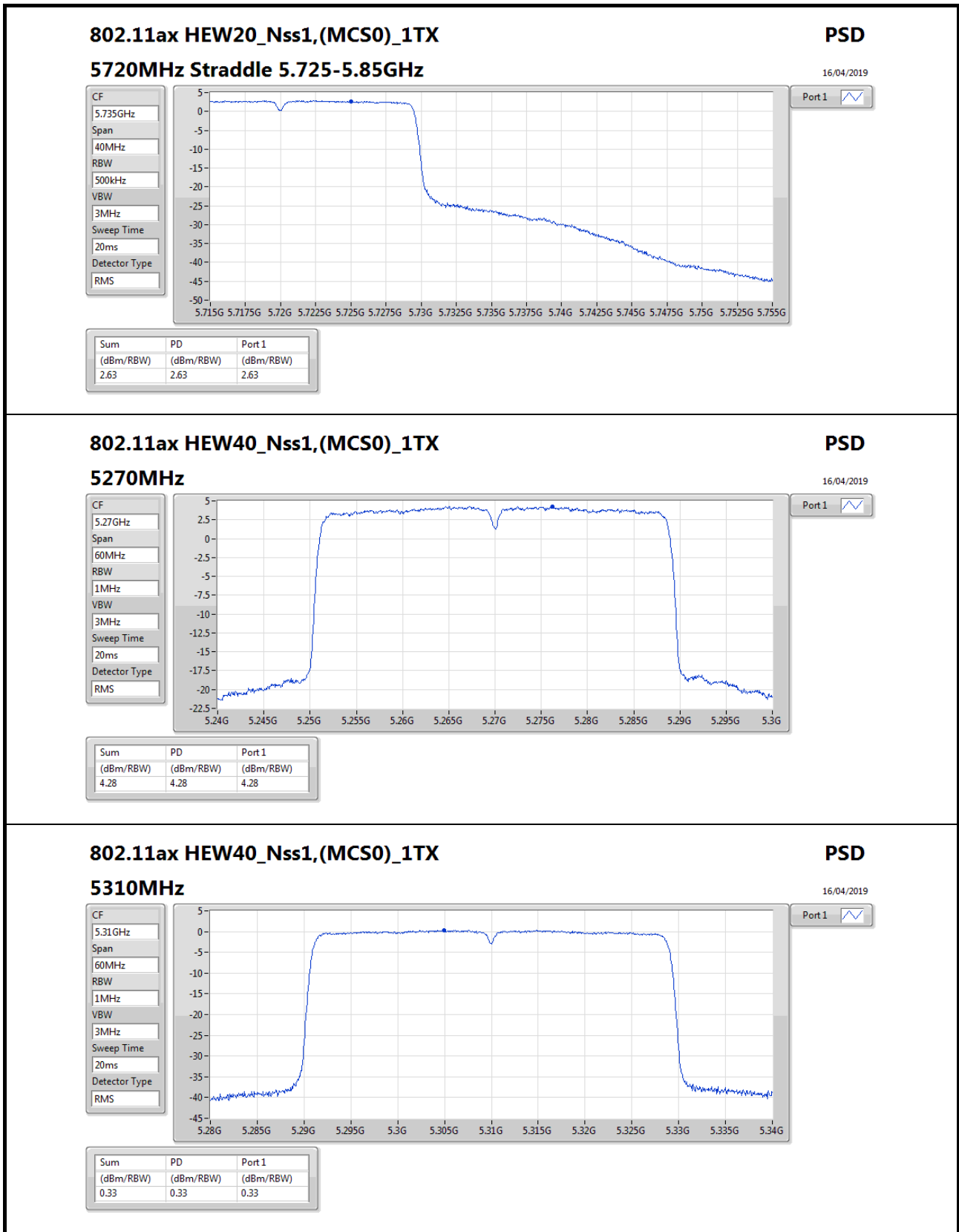
Detector Type
RMS

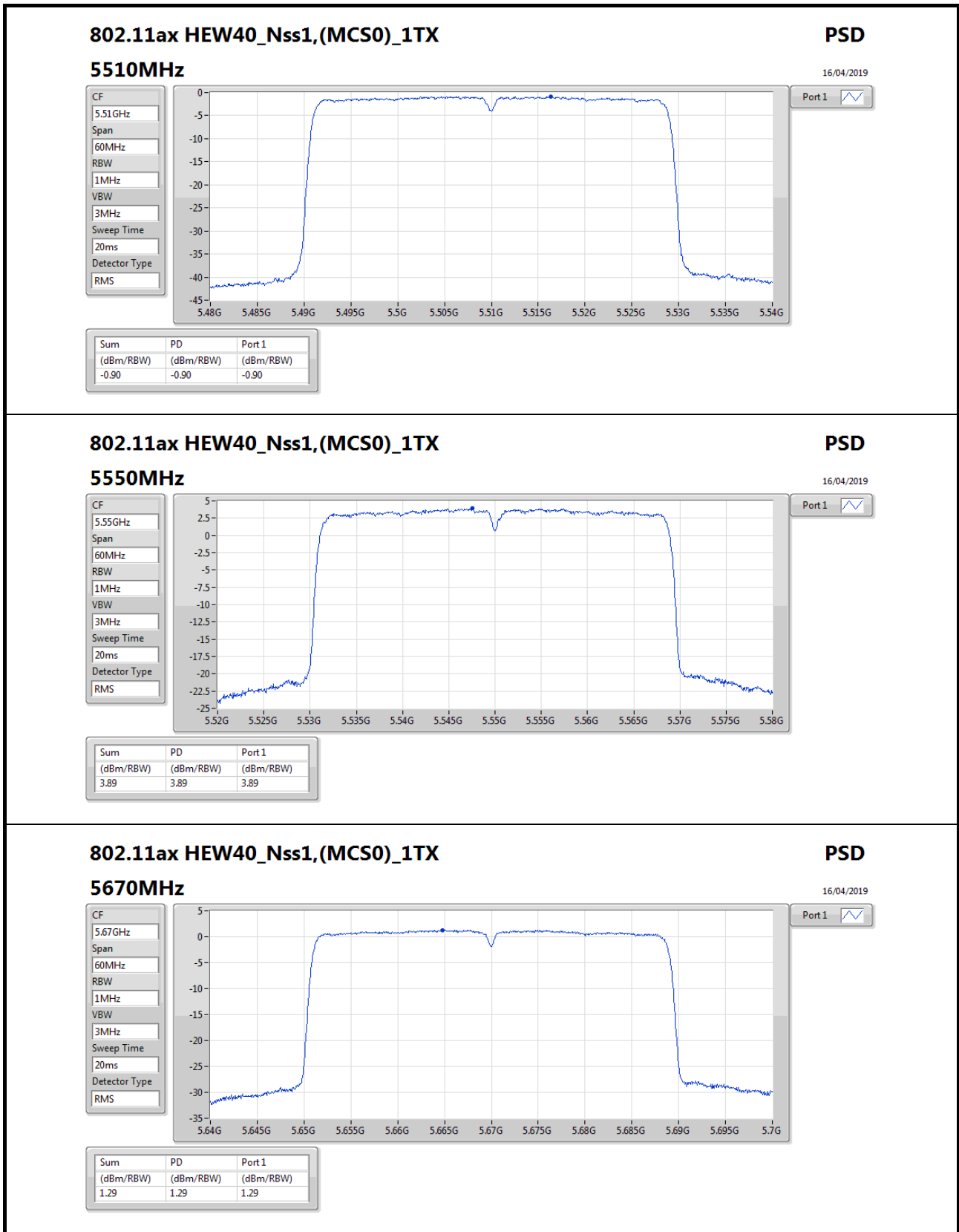


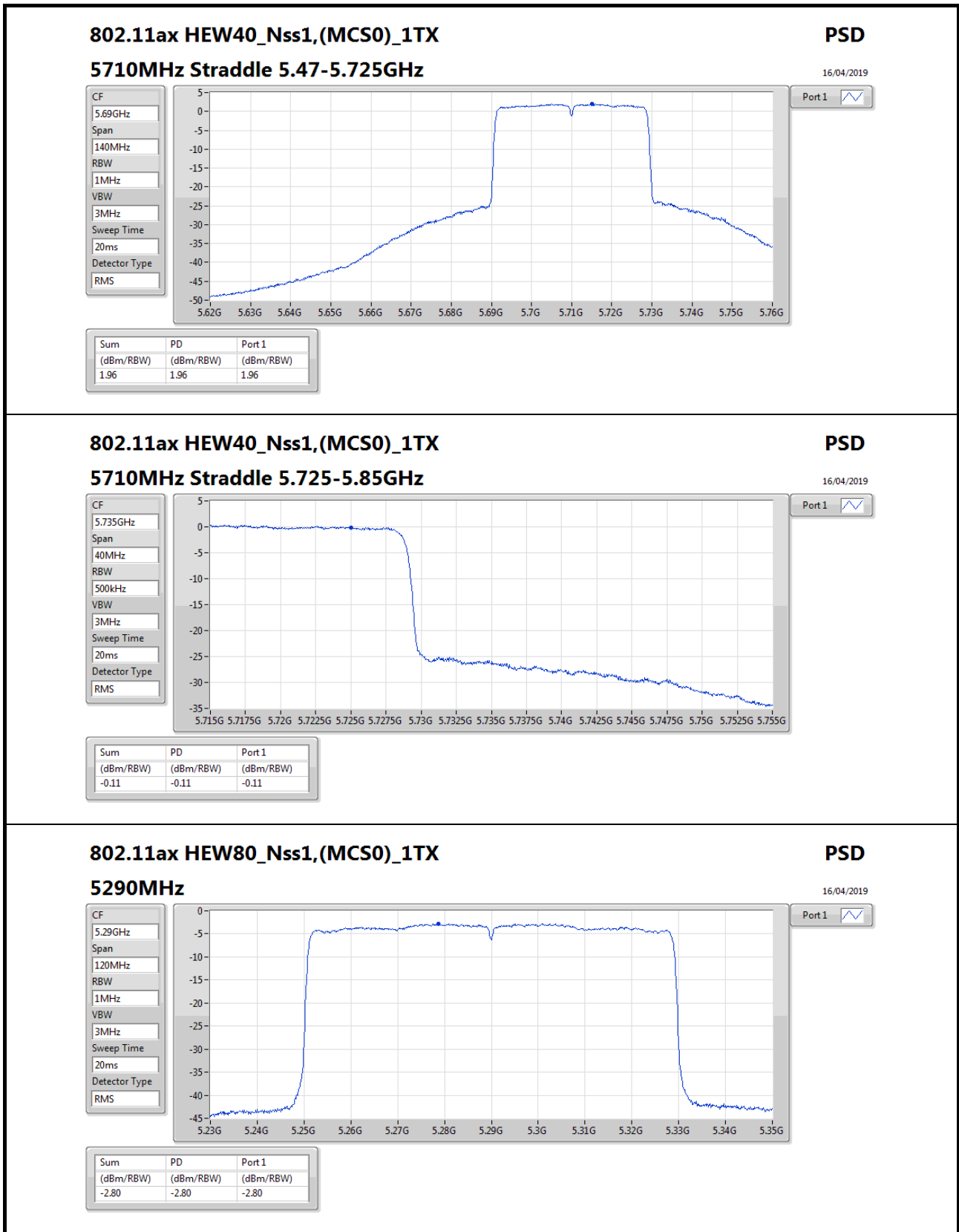
Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.43	3.43	3.43









802.11ax HEW80_Nss1,(MCS0)_1TX

5290MHz

PSD

16/04/2019

CF

5.29GHz

Span

120MHz

RBW

1MHz

VBW

3MHz

Sweep Time

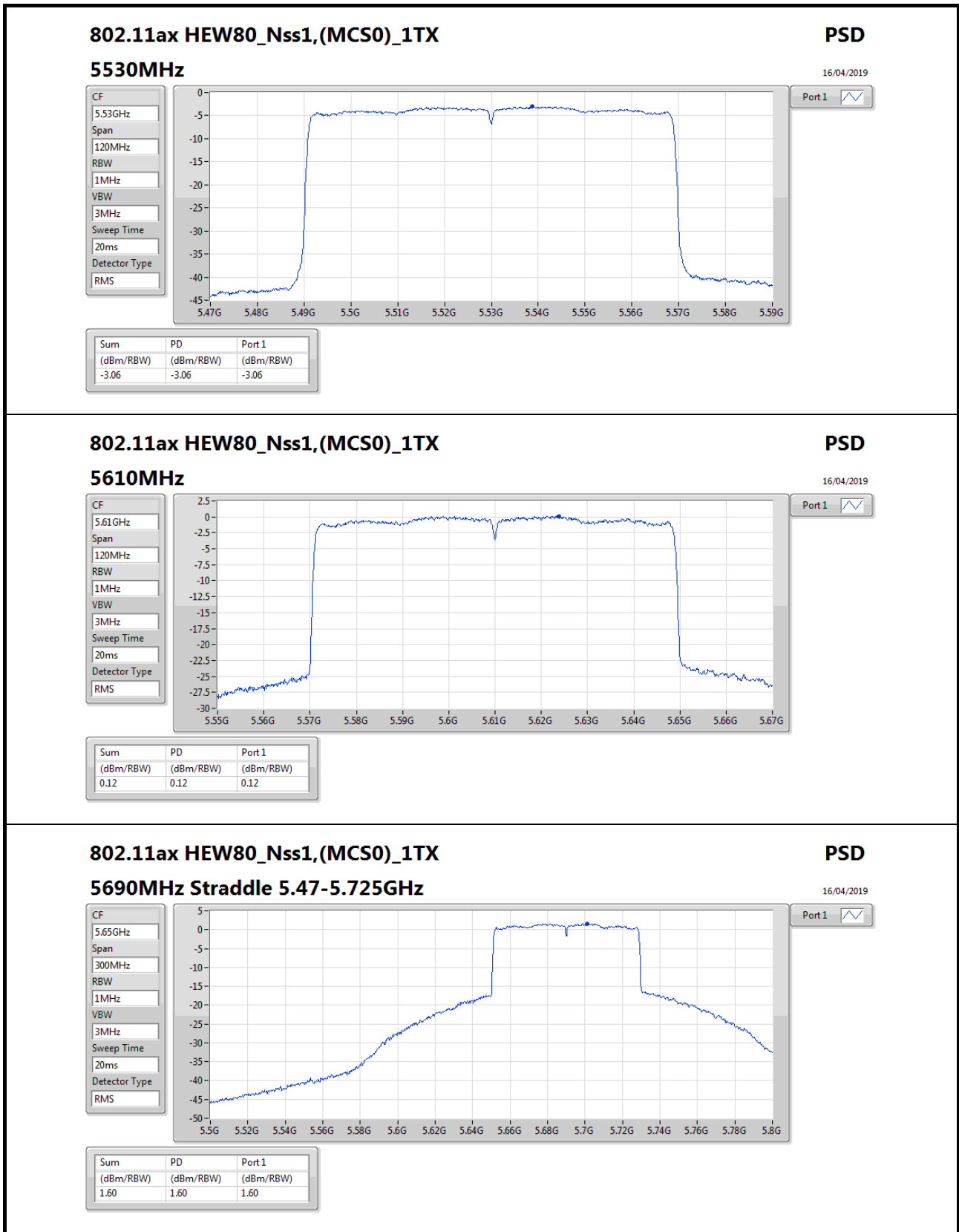
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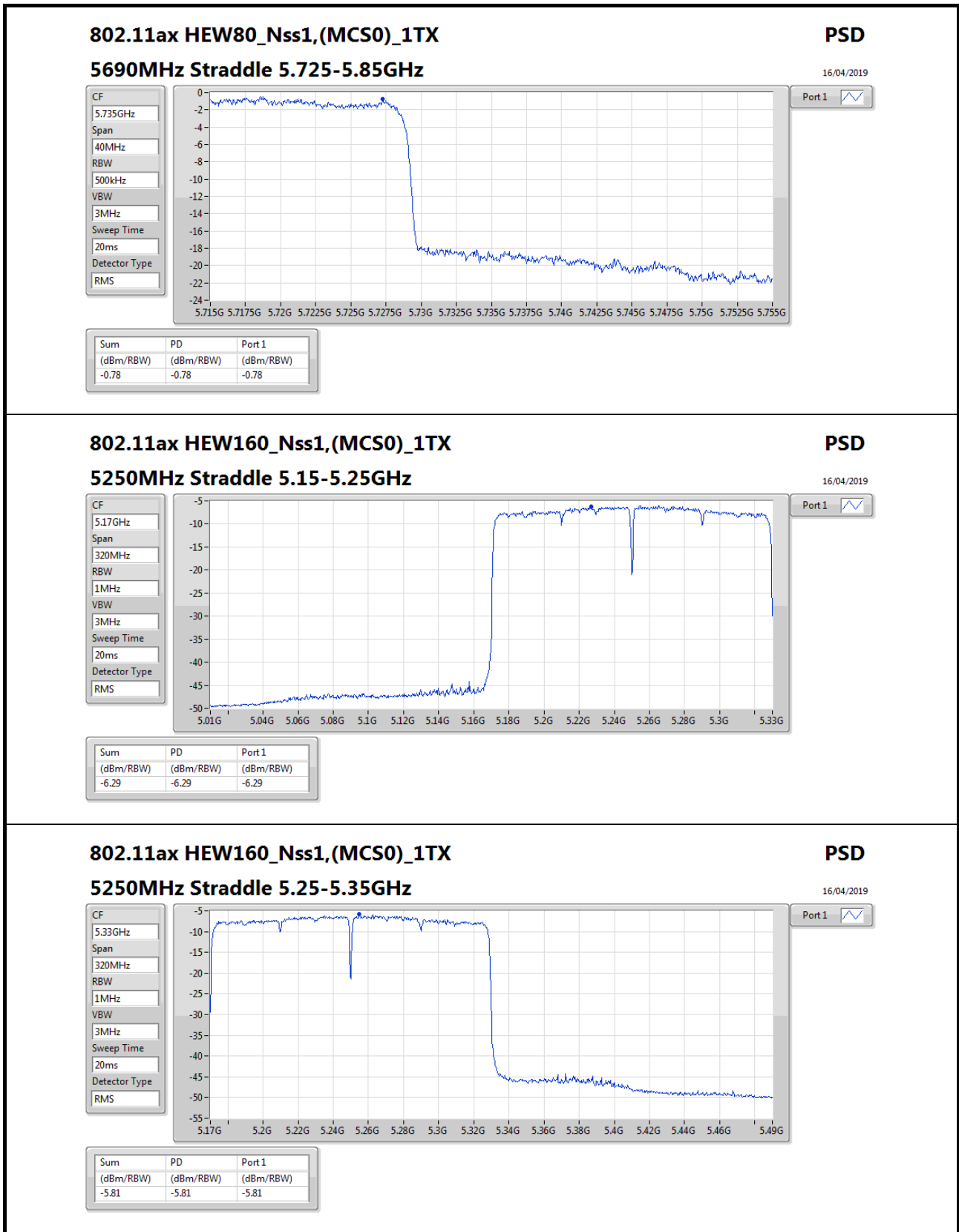
Detector Type

RMS

Port 1

Sum	PD	Port 1
(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)
-2.80	-2.80	-2.80





802.11ax HEW160_Nss1,(MCS0)_1TX

5250MHz Straddle 5.25-5.35GHz

PSD
16/04/2019

CF
5.33GHz

Span
320MHz

RBW
1MHz

VBW
3MHz

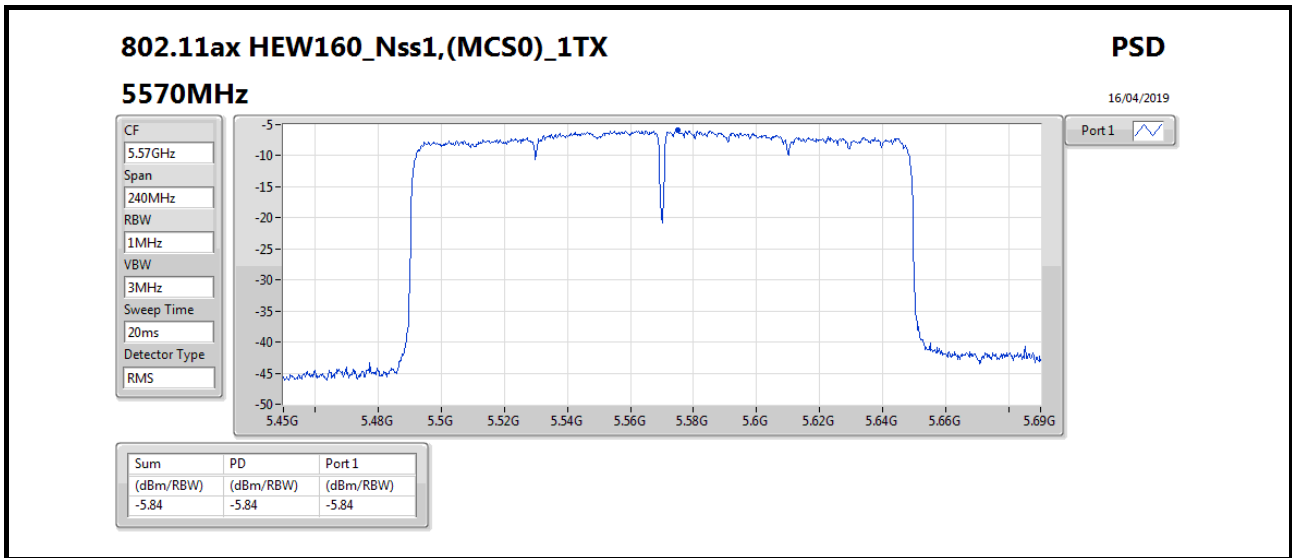
Sweep Time
20ms

Detector Type
RMS



Port 1

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





**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss2,(MCS0)_2TX	-5.64
5.25-5.35GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	7.98
802.11ax HEW40_Nss2,(MCS0)_2TX	5.34
802.11ax HEW80_Nss2,(MCS0)_2TX	-0.96
802.11ax HEW160_Nss2,(MCS0)_2TX	-5.65
5.47-5.725GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	7.66
802.11ax HEW40_Nss2,(MCS0)_2TX	5.25
802.11ax HEW80_Nss2,(MCS0)_2TX	2.52
802.11ax HEW160_Nss2,(MCS0)_2TX	-5.81
5.725-5.85GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	5.55
802.11ax HEW40_Nss2,(MCS0)_2TX	2.78
802.11ax HEW80_Nss2,(MCS0)_2TX	0.11

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

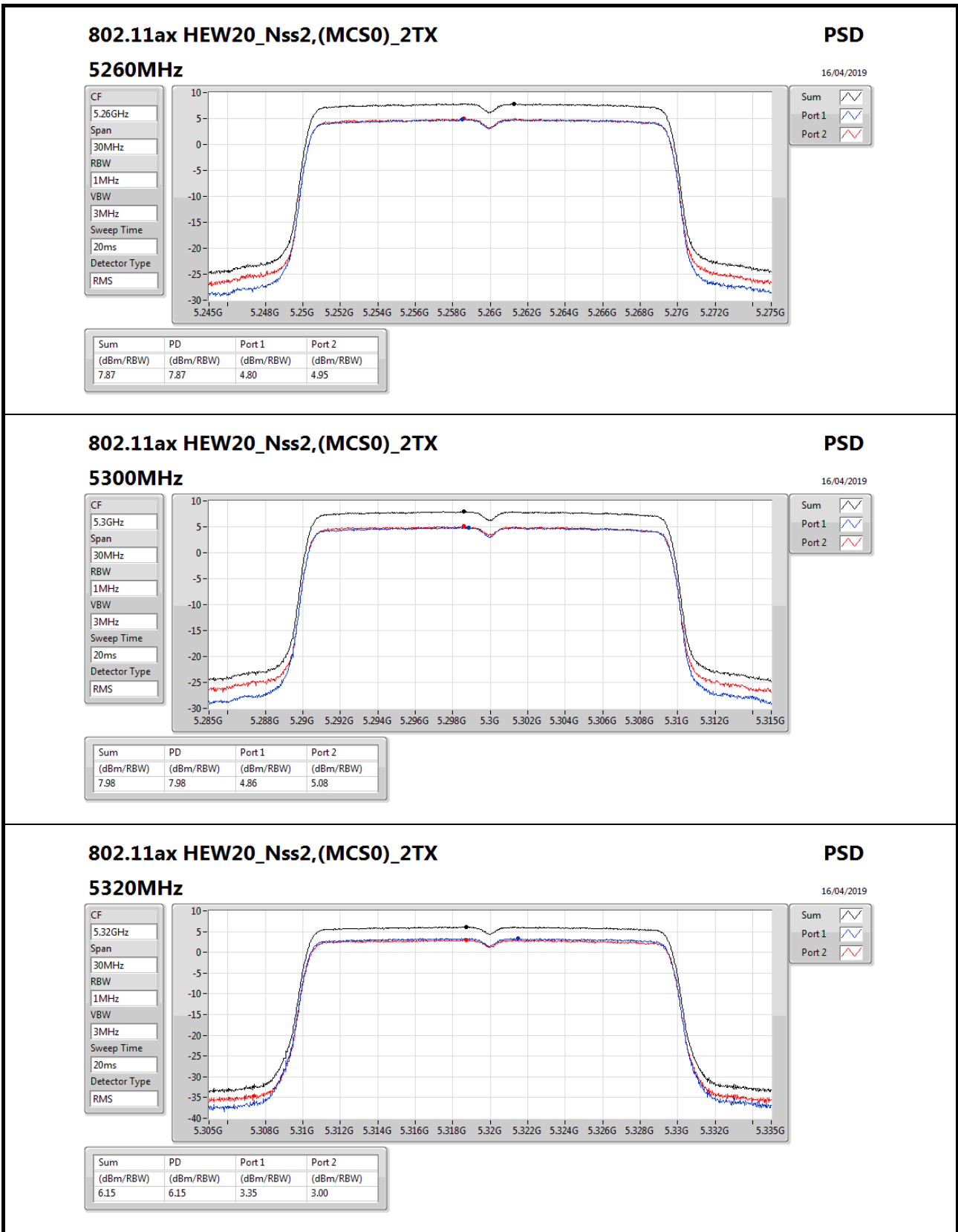


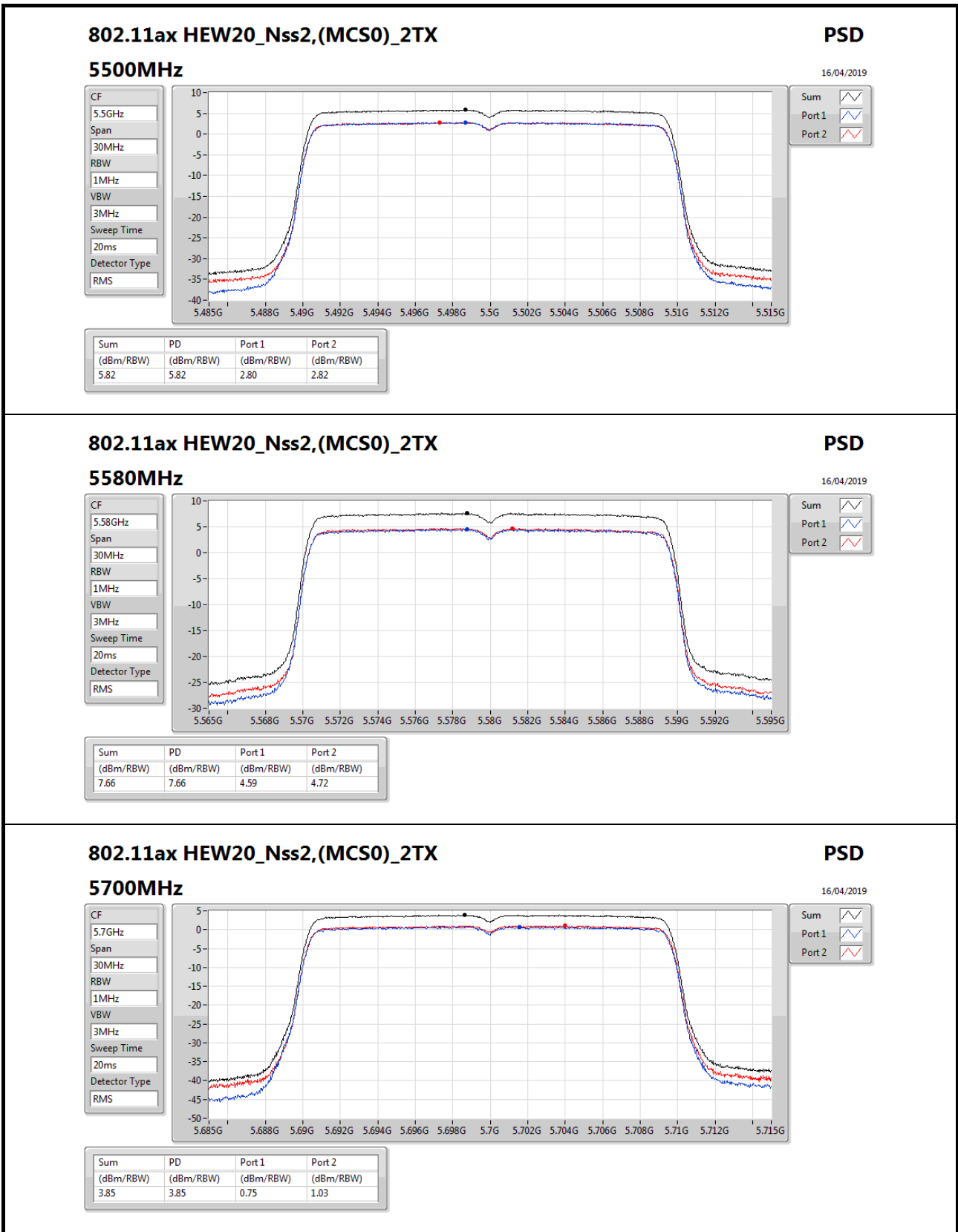
Result

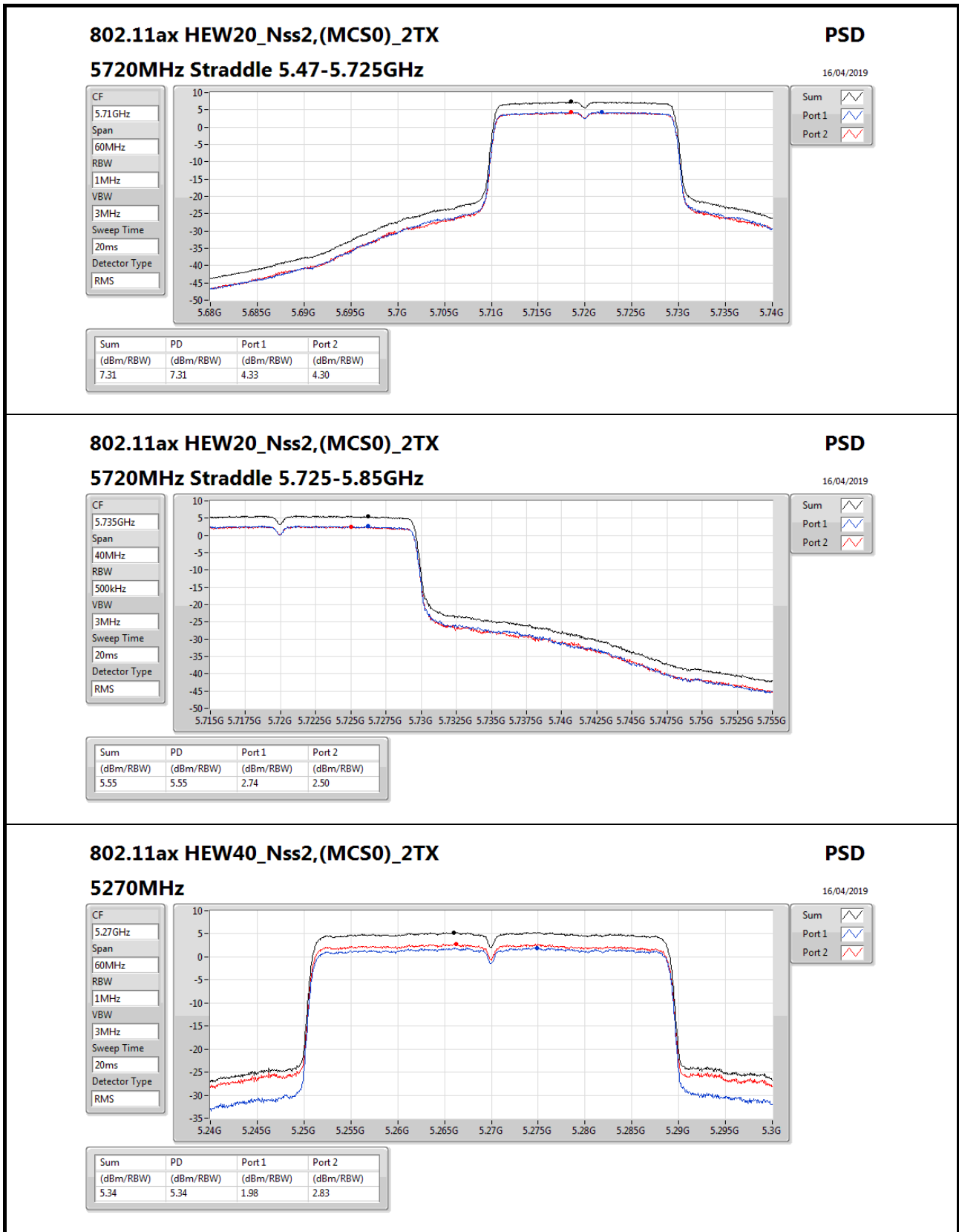
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	8.27	4.80	4.95	7.87	8.73
5300MHz	Pass	8.27	4.86	5.08	7.98	8.73
5320MHz	Pass	8.27	3.35	3.00	6.15	8.73
5500MHz	Pass	8.27	2.80	2.82	5.82	8.73
5580MHz	Pass	8.27	4.59	4.72	7.66	8.73
5700MHz	Pass	8.27	0.75	1.03	3.85	8.73
5720MHz Straddle 5.47-5.725GHz	Pass	8.27	4.33	4.30	7.31	8.73
5720MHz Straddle 5.725-5.85GHz	Pass	8.27	2.74	2.50	5.55	27.73
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	8.27	1.98	2.83	5.34	8.73
5310MHz	Pass	8.27	-0.91	-0.82	2.10	8.73
5510MHz	Pass	8.27	-2.06	-2.26	0.74	8.73
5550MHz	Pass	8.27	1.87	2.67	5.25	8.73
5670MHz	Pass	8.27	-0.29	0.32	2.99	8.73
5710MHz Straddle 5.47-5.725GHz	Pass	8.27	1.72	2.18	4.95	8.73
5710MHz Straddle 5.725-5.85GHz	Pass	8.27	-0.43	-0.02	2.78	27.73
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	8.27	-3.91	-3.83	-0.96	8.73
5530MHz	Pass	8.27	-4.32	-4.36	-1.35	8.73
5610MHz	Pass	8.27	-1.30	-0.94	1.80	8.73
5690MHz Straddle 5.47-5.725GHz	Pass	8.27	-0.35	-0.49	2.52	8.73
5690MHz Straddle 5.725-5.85GHz	Pass	8.27	-2.97	-2.79	0.11	27.73
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.27	-8.31	-8.74	-5.64	14.73
5250MHz Straddle 5.25-5.35GHz	Pass	8.27	-8.21	-8.81	-5.65	8.73
5570MHz	Pass	8.27	-8.88	-8.50	-5.81	8.73

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 HEW40_Nss2,(MCS0)_2TX

5270MHz

PSD
16/04/2019

CF
5.27GHz

Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

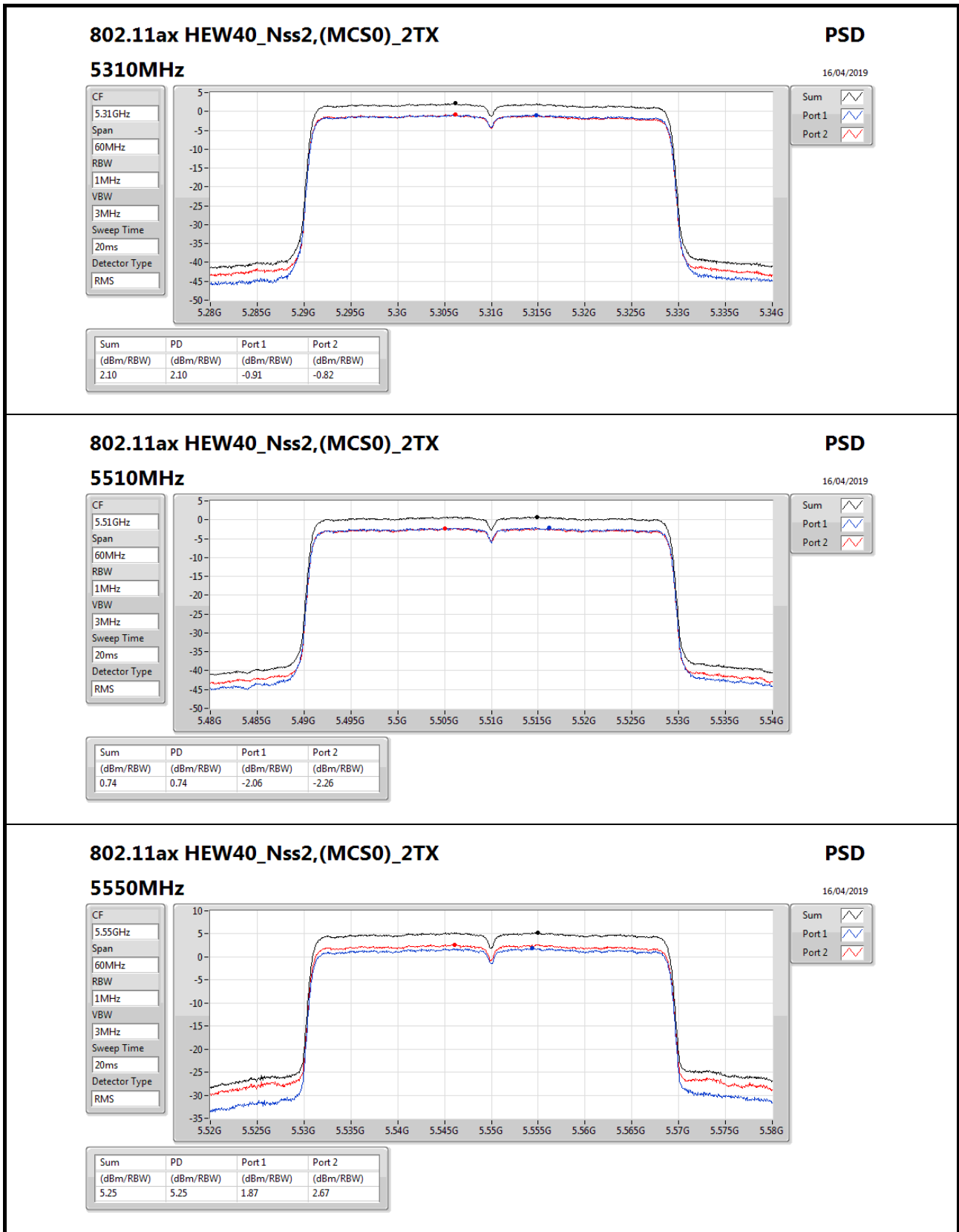
Detector Type
RMS

Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.34	5.34	1.98	2.83



802.11ax HEW40_Nss2,(MCS0)_2TX

5550MHz

PSD
16/04/2019

CF
5.55GHz

Span
60MHz

RBW
1MHz

VBW
3MHz

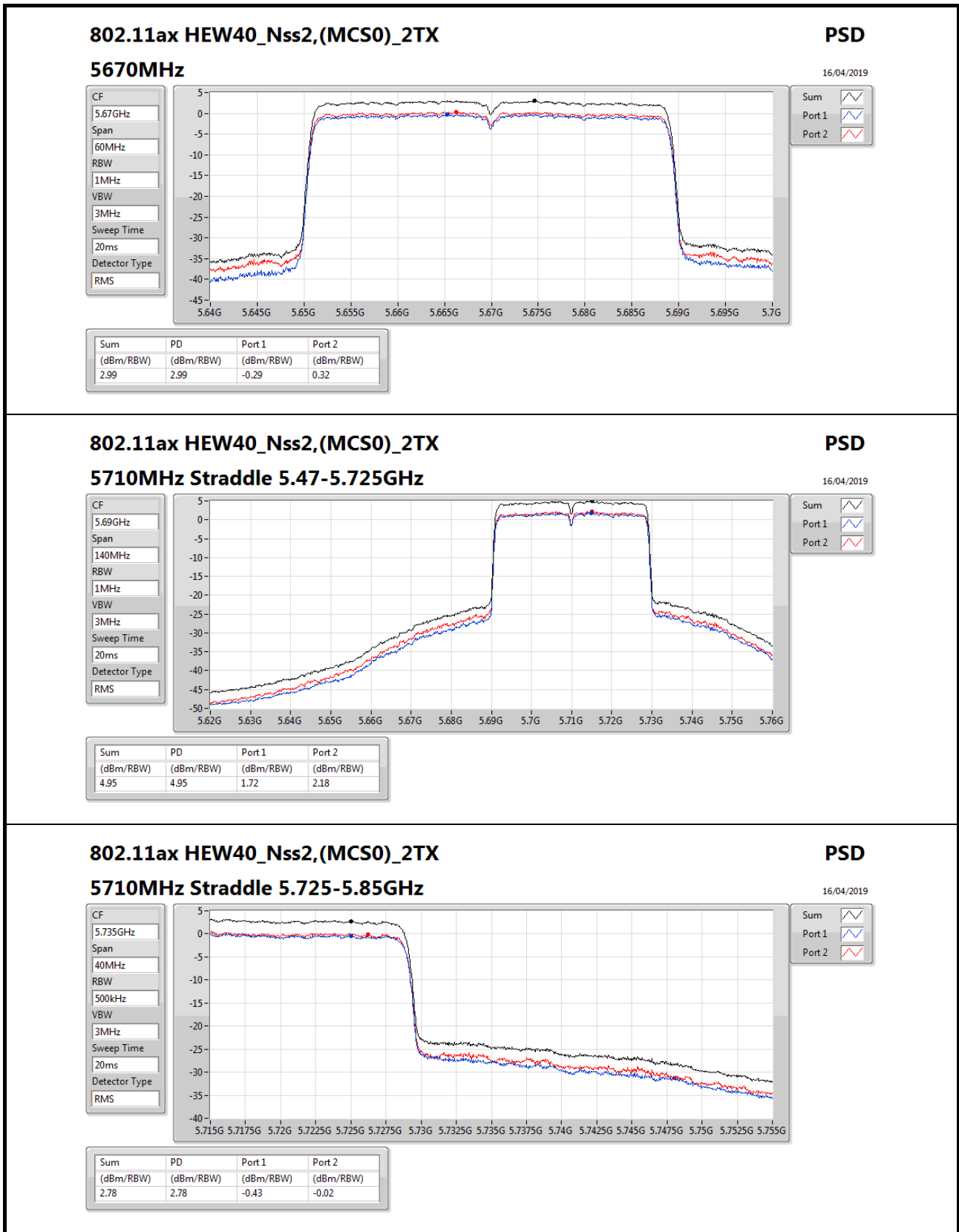
Sweep Time
20ms

Detector Type
RMS

Sum

Port 1

Port 2



802.11ax HEW40_Nss2,(MCS0)_2TX

5710MHz Straddle 5.725-5.85GHz

PSD
16/04/2019

CF
5.735GHz

Span
40MHz

RBW
500kHz

VBW
3MHz

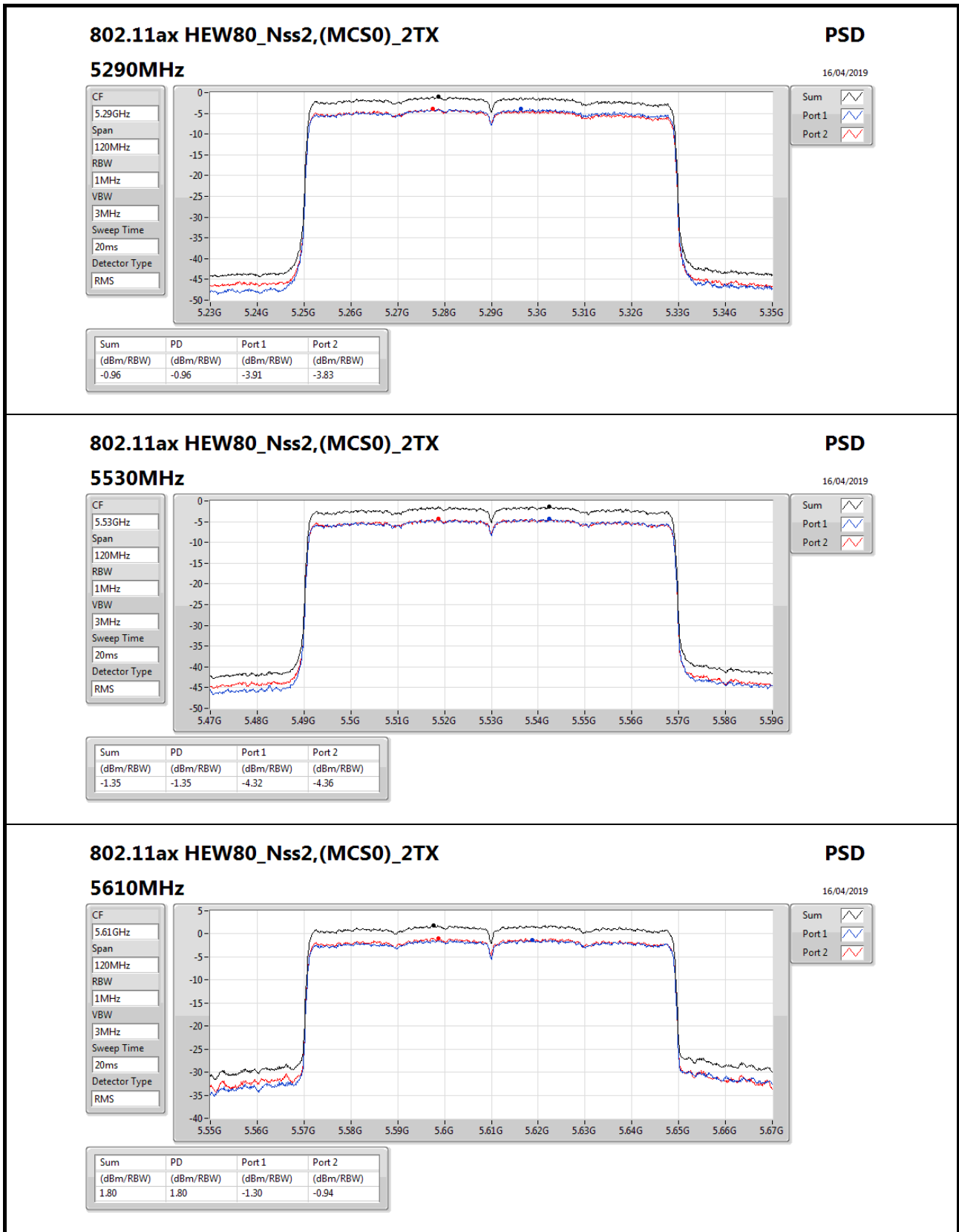
Sweep Time
20ms

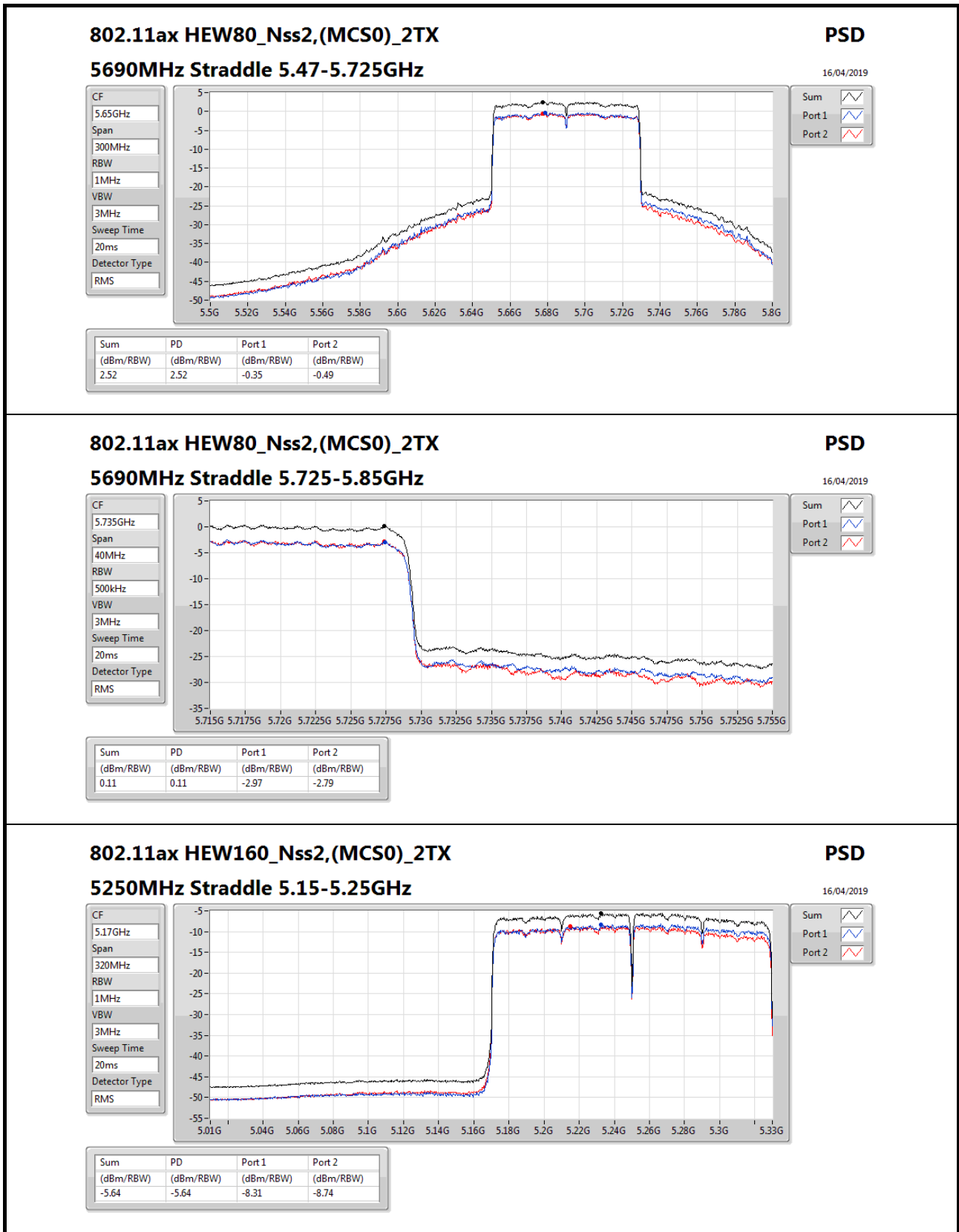
Detector Type
RMS

Sum

Port 1

Port 2





802.11ax HEW160_Nss2,(MCS0)_2TX

5250MHz Straddle 5.15-5.25GHz

PSD
16/04/2019

CF
5.17GHz

Span
320MHz

RBW
1MHz

VBW
3MHz

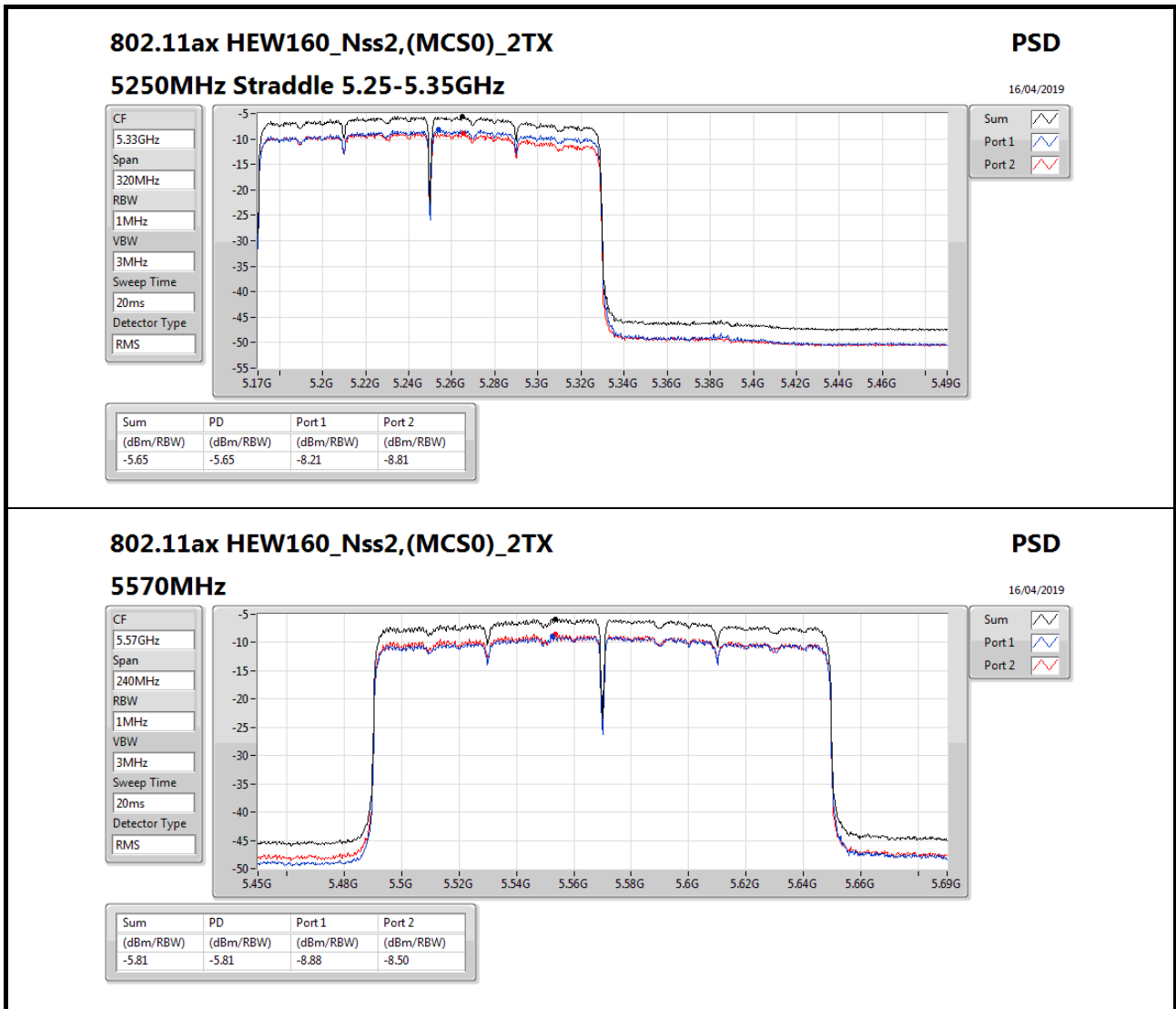
Sweep Time
20ms

Detector Type
RMS

Sum

Port 1

Port 2





**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss1,(MCS0)_4TX	-3.85
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	2.67
802.11ax HEW20_Nss1,(MCS0)_4TX	2.67
802.11ax HEW40_Nss1,(MCS0)_4TX	2.55
802.11ax HEW80_Nss1,(MCS0)_4TX	1.07
802.11ax HEW160_Nss1,(MCS0)_4TX	-3.57
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	2.69
802.11ax HEW20_Nss1,(MCS0)_4TX	2.59
802.11ax HEW40_Nss1,(MCS0)_4TX	2.69
802.11ax HEW80_Nss1,(MCS0)_4TX	2.55
802.11ax HEW160_Nss1,(MCS0)_4TX	-2.38
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	0.73
802.11ax HEW20_Nss1,(MCS0)_4TX	0.86
802.11ax HEW40_Nss1,(MCS0)_4TX	0.62
802.11ax HEW80_Nss1,(MCS0)_4TX	-0.37

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

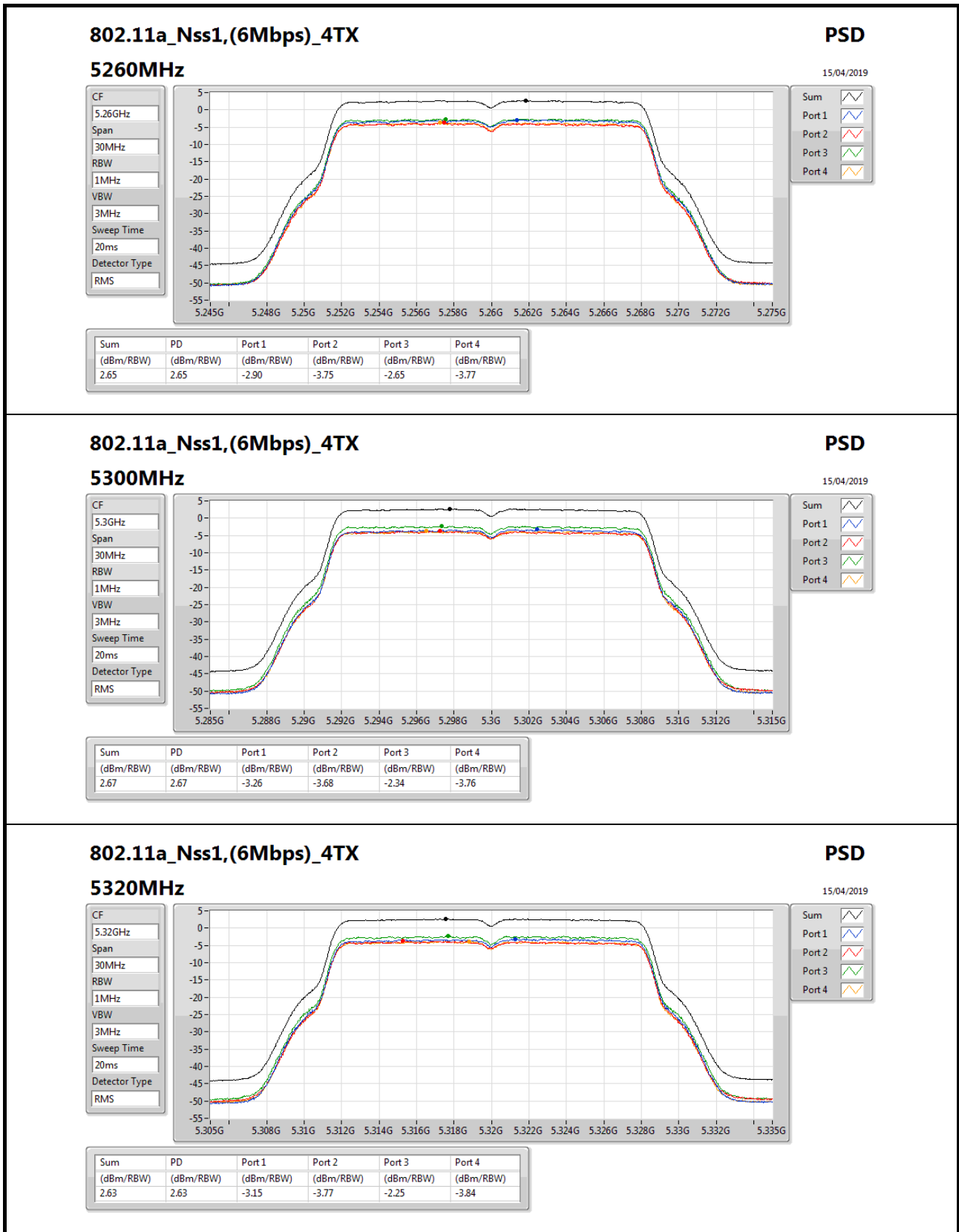


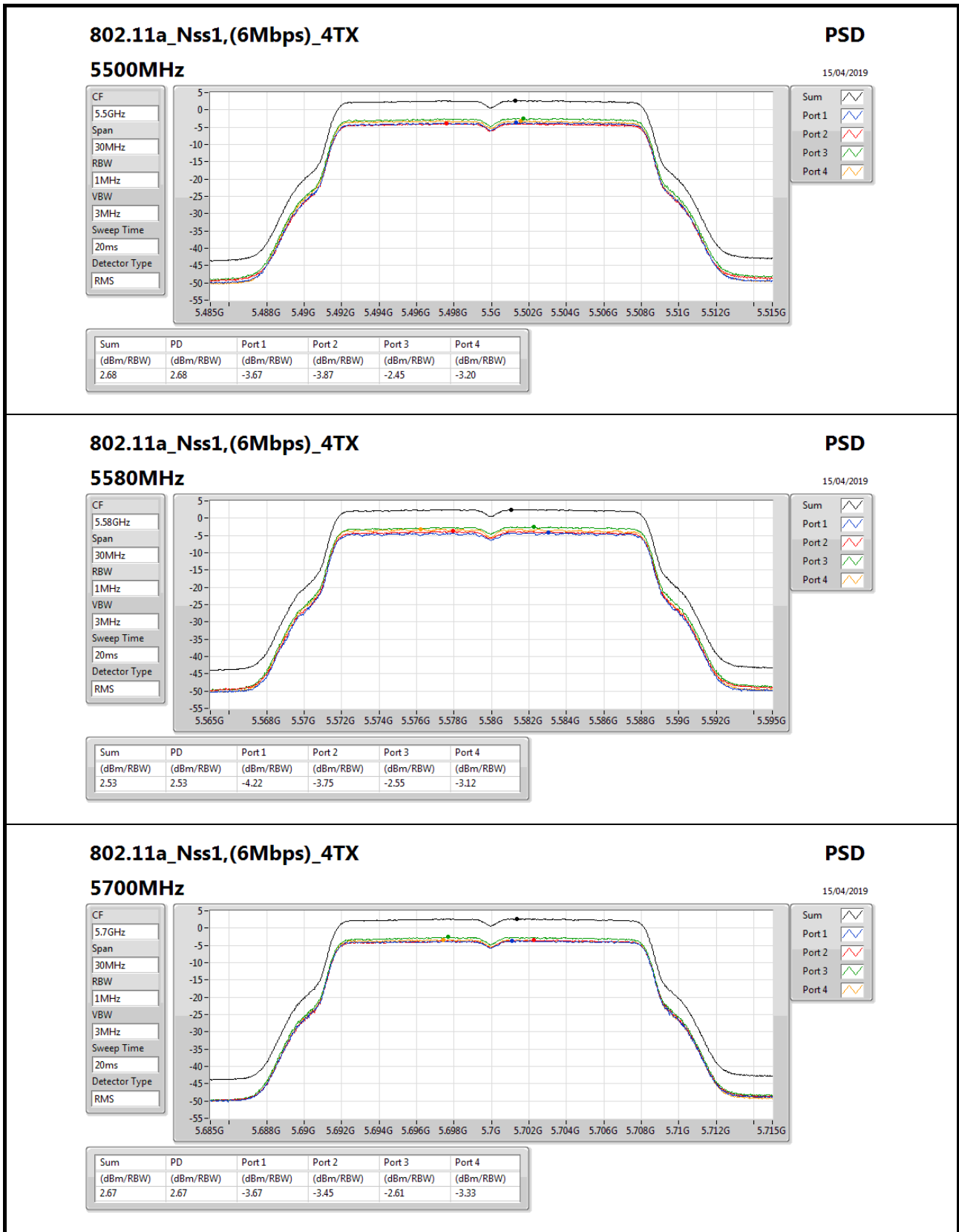
Result

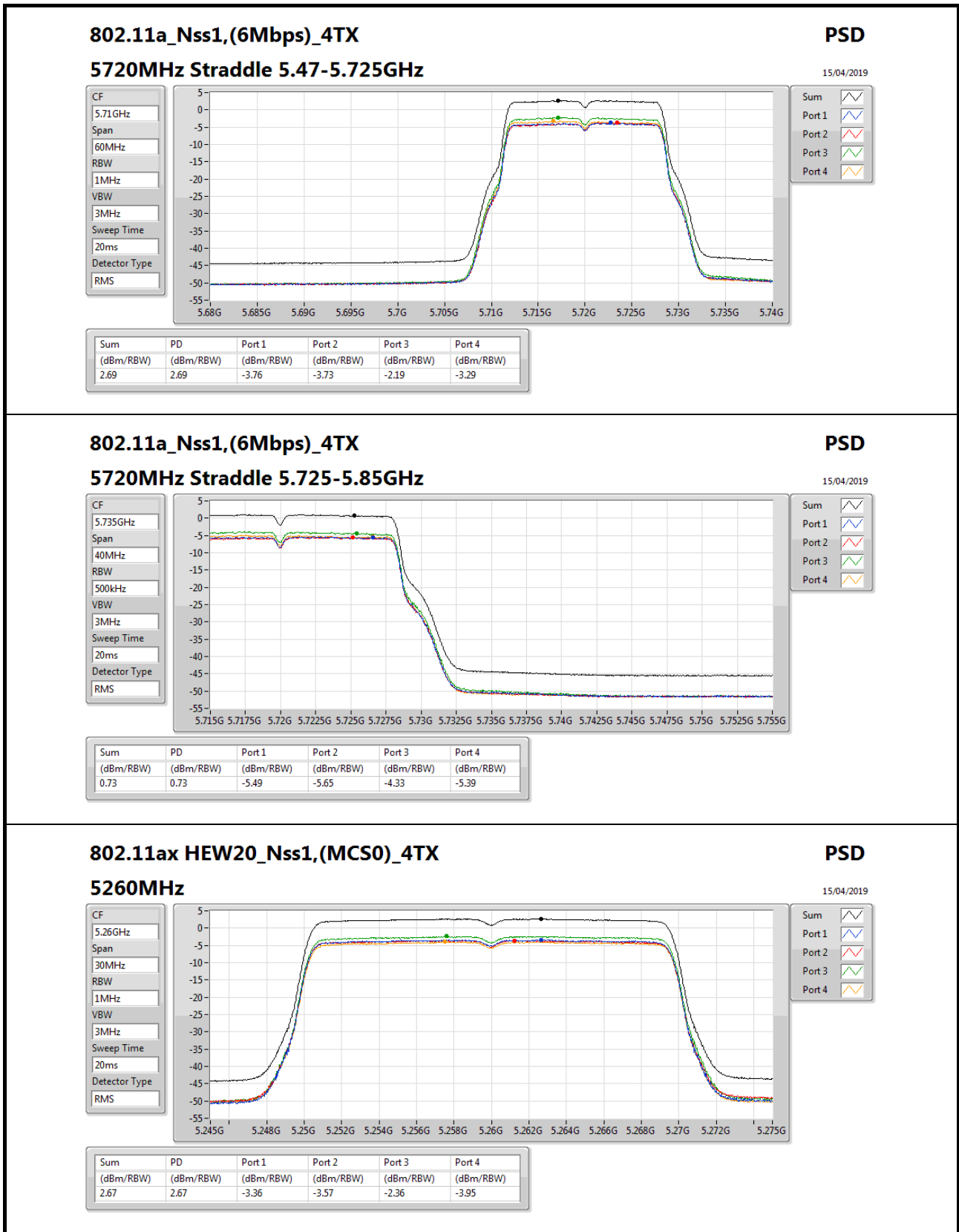
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	14.29	-2.90	-3.75	-2.65	-3.77	2.65	2.71
5300MHz	Pass	14.29	-3.26	-3.68	-2.34	-3.76	2.67	2.71
5320MHz	Pass	14.29	-3.15	-3.77	-2.25	-3.84	2.63	2.71
5500MHz	Pass	14.29	-3.67	-3.87	-2.45	-3.20	2.68	2.71
5580MHz	Pass	14.29	-4.22	-3.75	-2.55	-3.12	2.53	2.71
5700MHz	Pass	14.29	-3.67	-3.45	-2.61	-3.33	2.67	2.71
5720MHz Straddle 5.47-5.725GHz	Pass	14.29	-3.76	-3.73	-2.19	-3.29	2.69	2.71
5720MHz Straddle 5.725-5.85GHz	Pass	14.29	-5.49	-5.65	-4.33	-5.39	0.73	21.71
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	14.29	-3.36	-3.57	-2.36	-3.95	2.67	2.71
5300MHz	Pass	14.29	-3.11	-4.08	-2.52	-3.81	2.61	2.71
5320MHz	Pass	14.29	-3.16	-4.16	-2.40	-3.70	2.65	2.71
5500MHz	Pass	14.29	-3.74	-4.26	-2.54	-3.31	2.55	2.71
5580MHz	Pass	14.29	-3.89	-3.89	-2.29	-3.61	2.56	2.71
5700MHz	Pass	14.29	-3.76	-3.69	-3.08	-3.16	2.54	2.71
5720MHz Straddle 5.47-5.725GHz	Pass	14.29	-3.46	-4.09	-2.71	-3.14	2.59	2.71
5720MHz Straddle 5.725-5.85GHz	Pass	14.29	-5.10	-5.76	-4.43	-5.09	0.86	21.71
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	14.29	-3.21	-3.71	-2.85	-3.73	2.55	2.71
5310MHz	Pass	14.29	-3.43	-3.30	-3.11	-3.93	2.51	2.71
5510MHz	Pass	14.29	-3.87	-3.83	-3.77	-3.13	2.35	2.71
5550MHz	Pass	14.29	-3.64	-3.40	-3.39	-2.95	2.59	2.71
5670MHz	Pass	14.29	-3.98	-4.11	-2.48	-2.83	2.63	2.71
5710MHz Straddle 5.47-5.725GHz	Pass	14.29	-4.09	-3.82	-2.52	-2.79	2.69	2.71
5710MHz Straddle 5.725-5.85GHz	Pass	14.29	-6.15	-5.78	-4.49	-4.98	0.62	21.71
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	14.29	-4.64	-4.77	-4.72	-5.43	1.07	2.71
5530MHz	Pass	14.29	-5.97	-5.98	-5.03	-5.27	0.36	2.71
5610MHz	Pass	14.29	-4.08	-4.03	-3.31	-2.97	2.36	2.71
5690MHz Straddle 5.47-5.725GHz	Pass	14.29	-3.92	-4.15	-2.86	-2.97	2.55	2.71
5690MHz Straddle 5.725-5.85GHz	Pass	14.29	-6.83	-6.76	-5.97	-5.64	-0.37	21.71
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	14.29	-9.55	-10.12	-9.60	-9.83	-3.85	8.71
5250MHz Straddle 5.25-5.35GHz	Pass	14.29	-9.29	-10.05	-9.31	-9.44	-3.57	2.71
5570MHz	Pass	14.29	-8.58	-8.73	-7.98	-7.85	-2.38	2.71

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

5260MHz

PSD

15/04/2019

CF

5.26GHz

Span

30MHz

RBW

1MHz

VBW

3MHz

Sweep Time

20ms

Detector Type

RMS

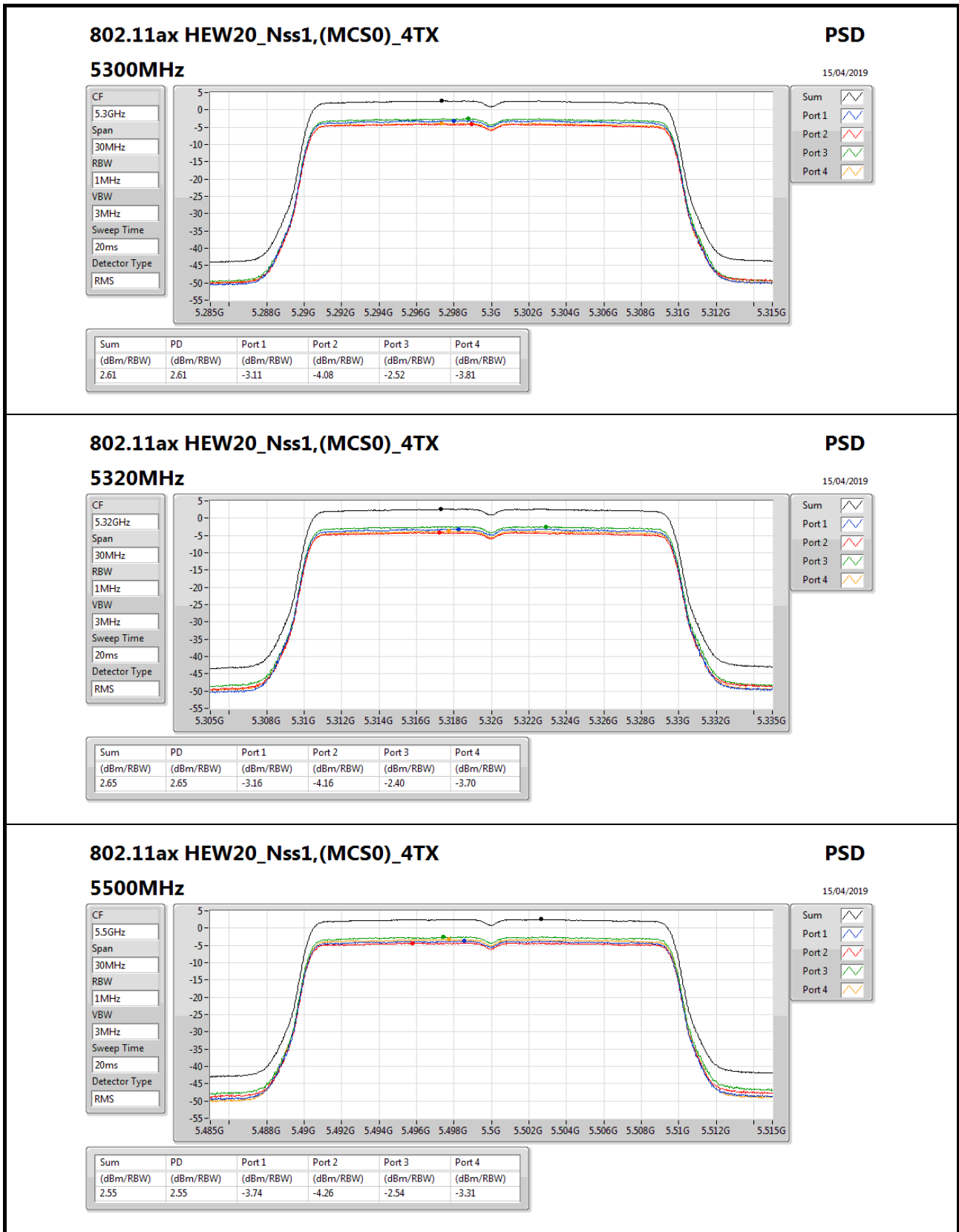
Sum

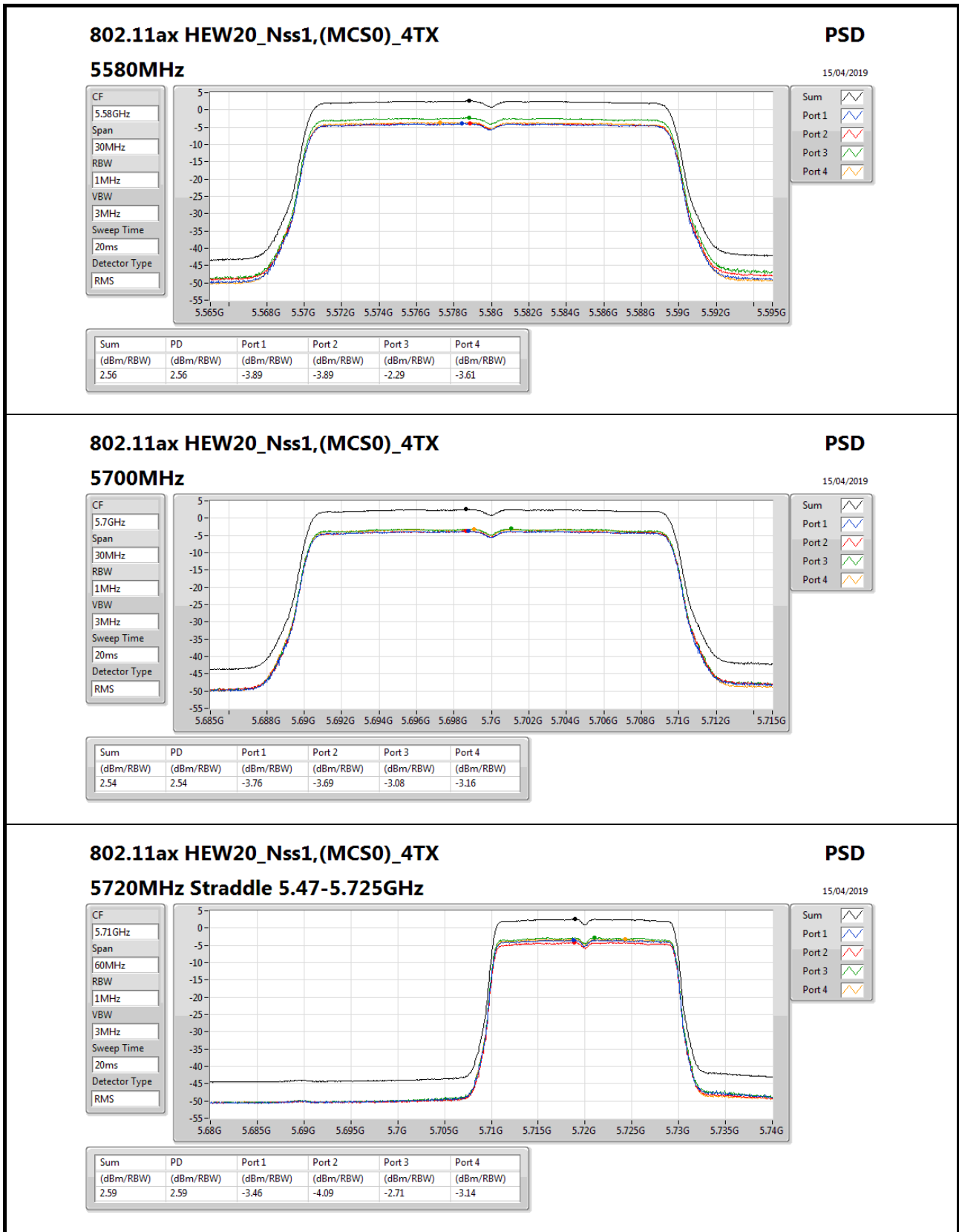
Port 1

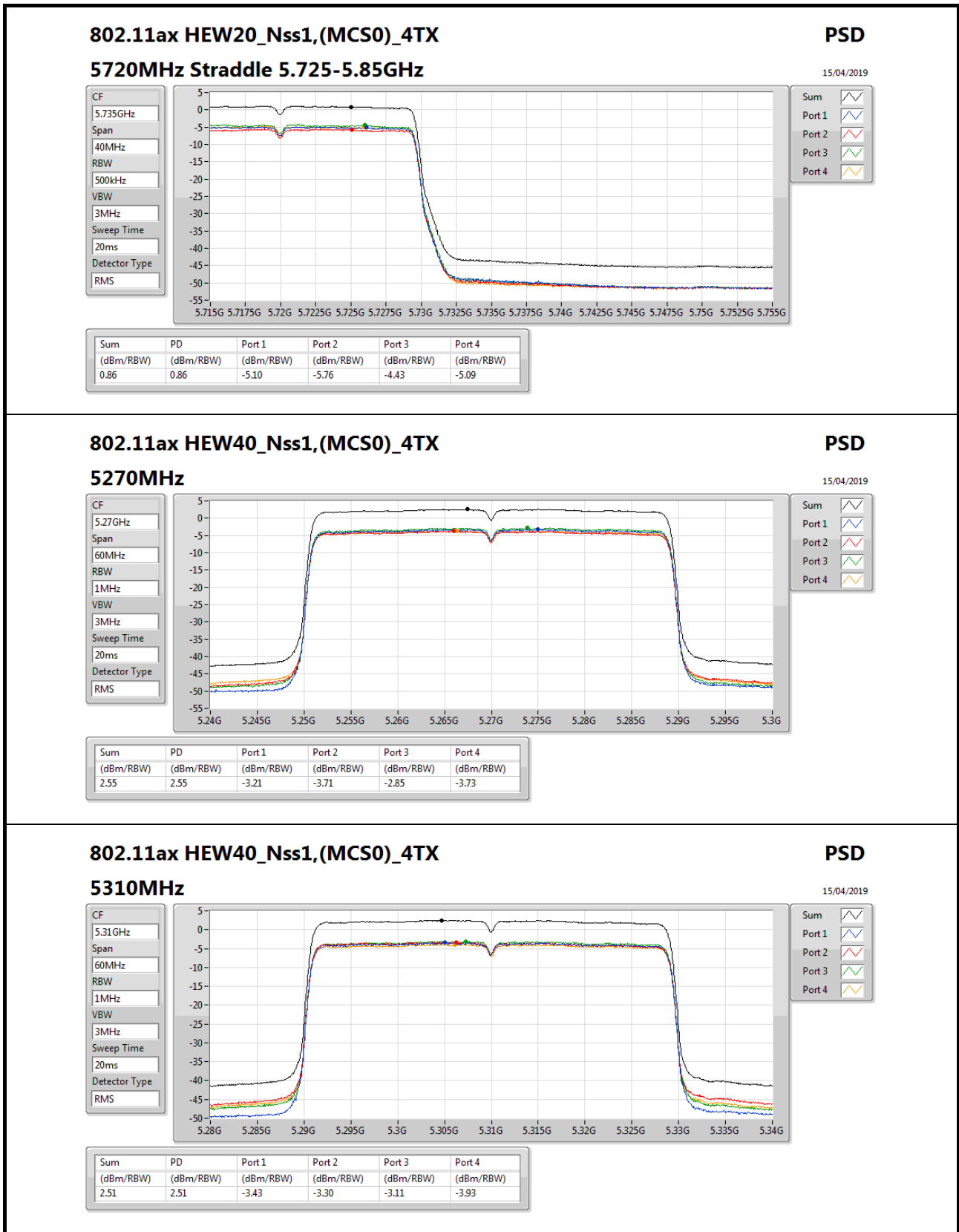
Port 2

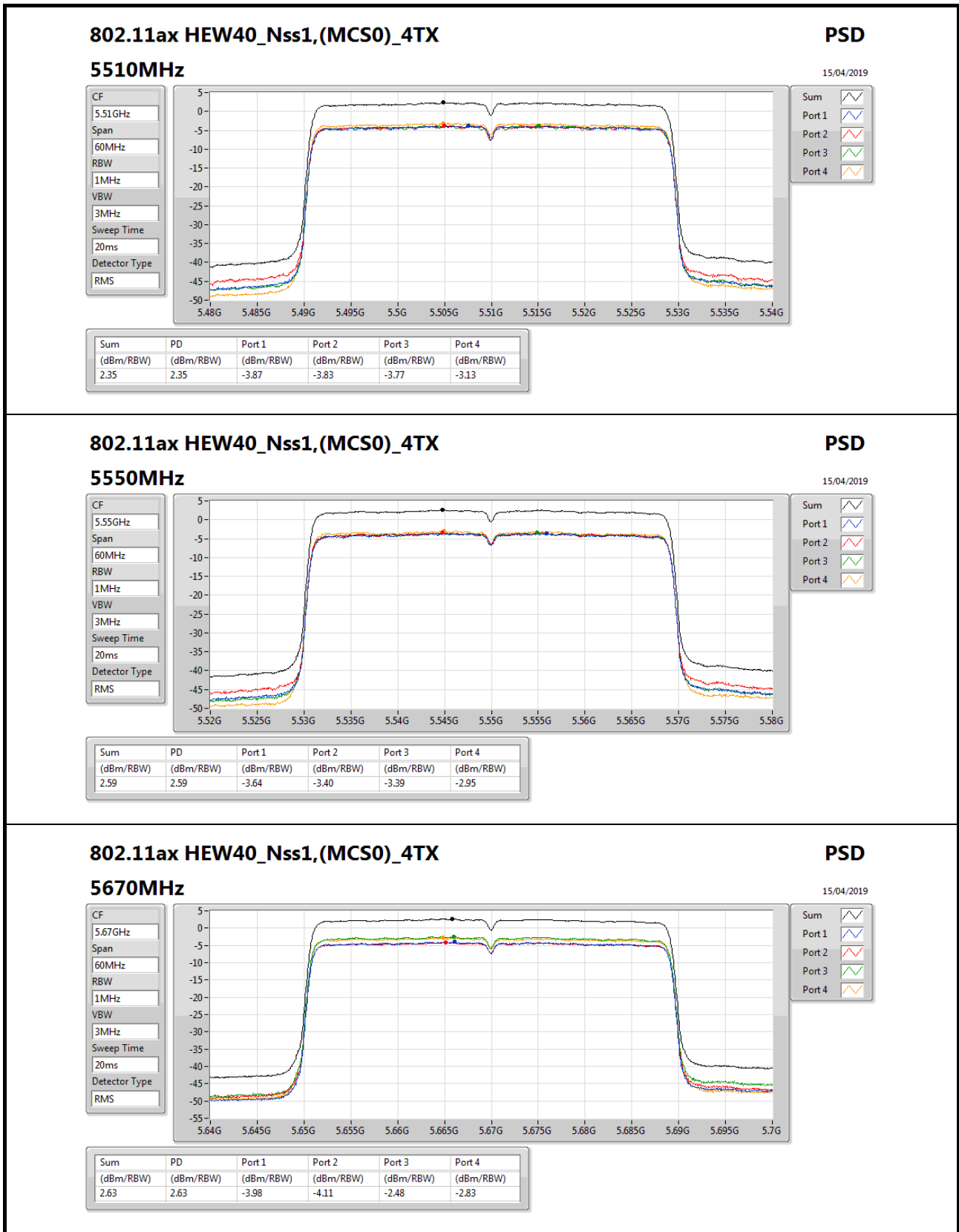
Port 3

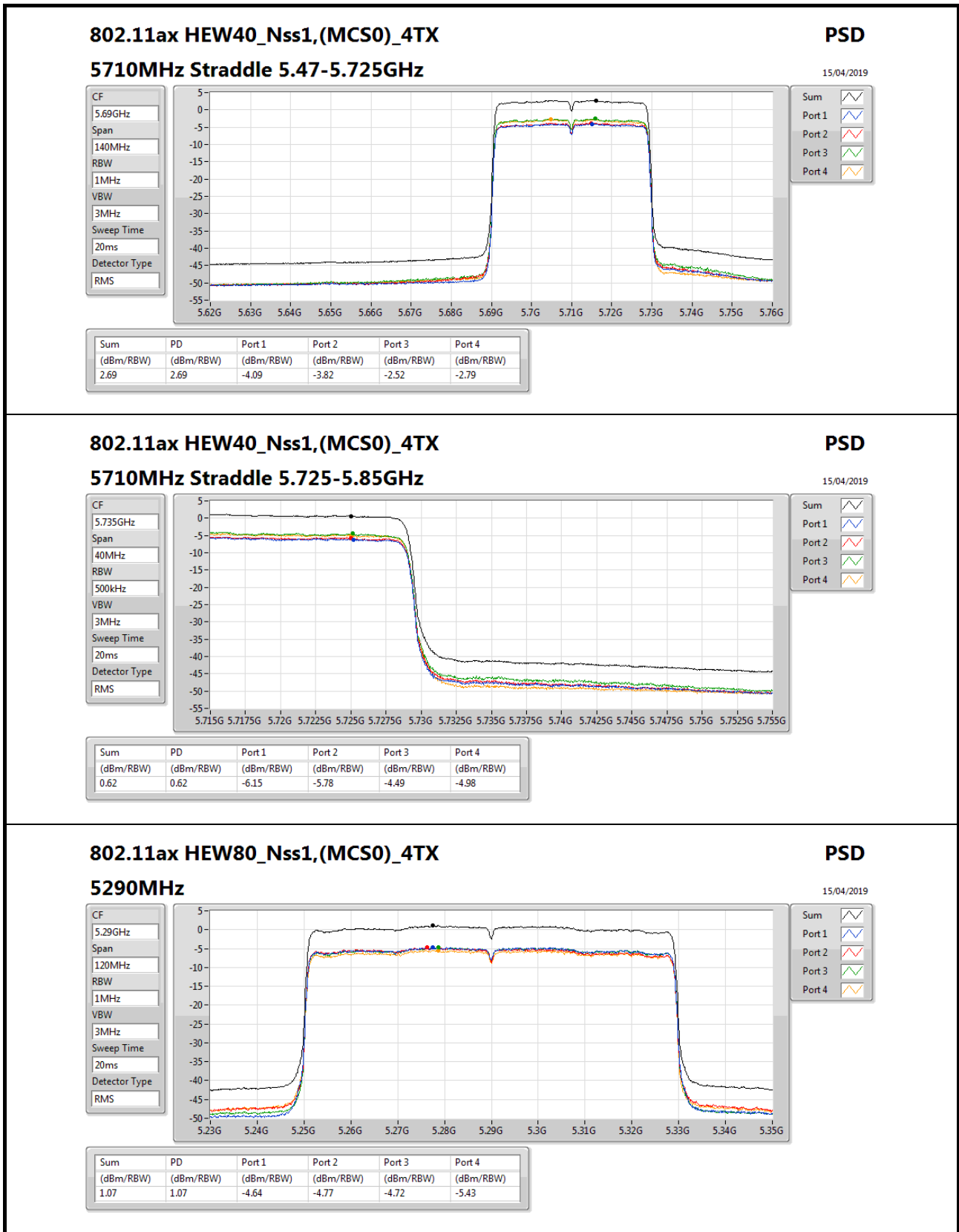
Port 4











802.11ax HEW80_Nss1,(MCS0)_4TX

5290MHz

PSD
15/04/2019

CF
5.29GHz

Span
120MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

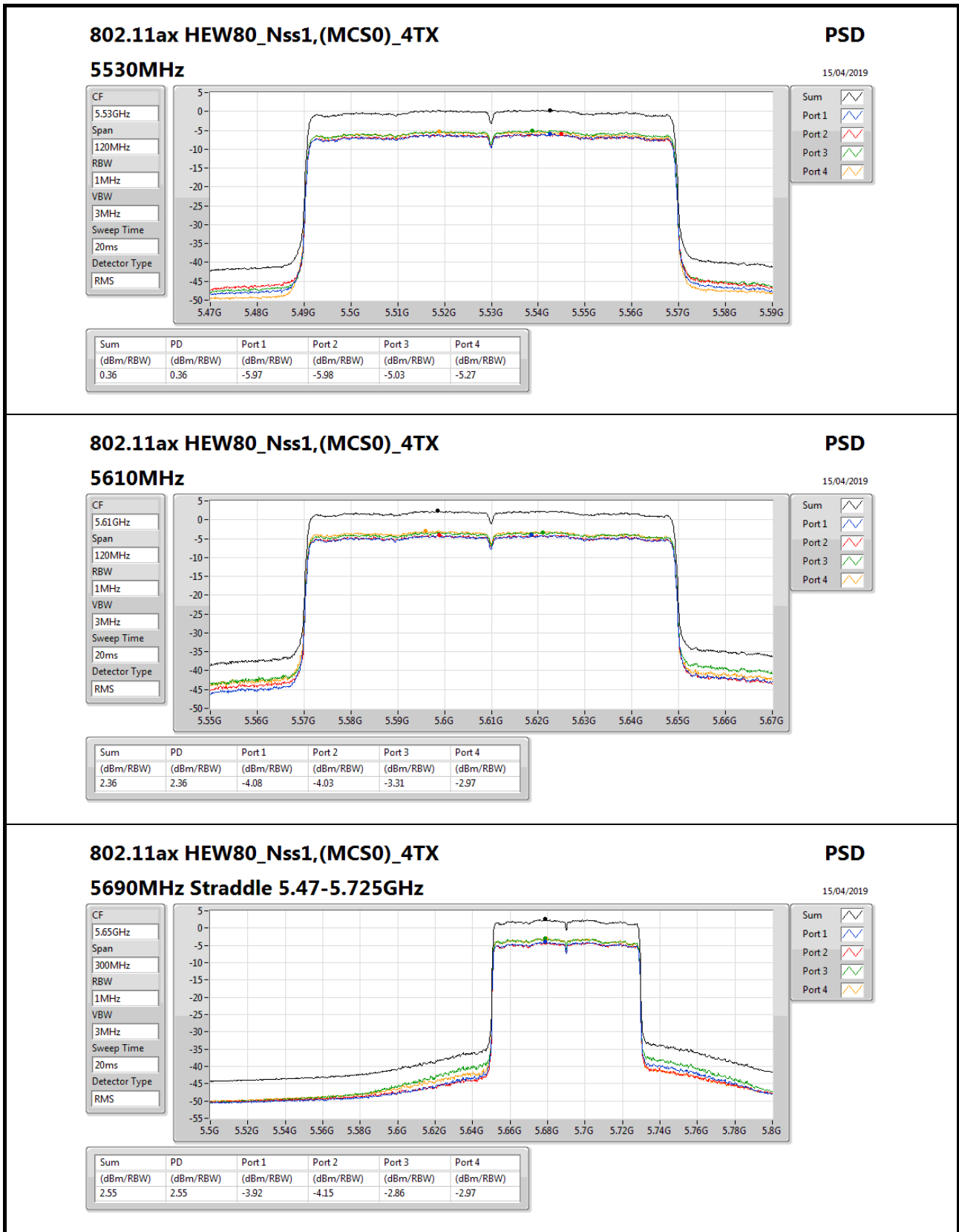
Sum

Port 1

Port 2

Port 3

Port 4



802.11ax HEW80_Nss1,(MCS0)_4TX

5690MHz Straddle 5.47-5.725GHz

PSD
15/04/2019

CF
5.65GHz

Span
300MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

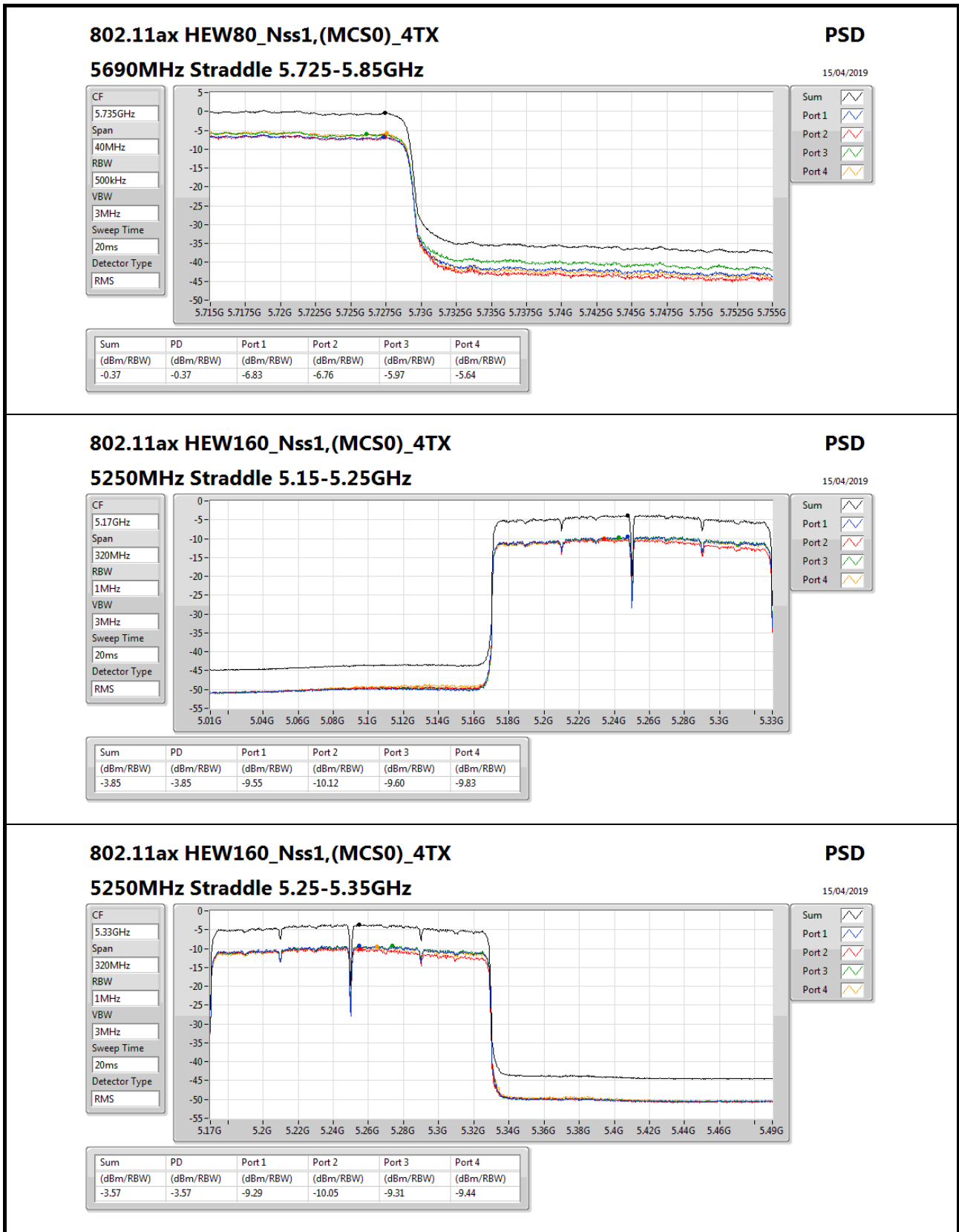
Sum

Port 1

Port 2

Port 3

Port 4



802.11ax HEW160_Nss1,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz

PSD
15/04/2019

CF
5.33GHz

Span
320MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

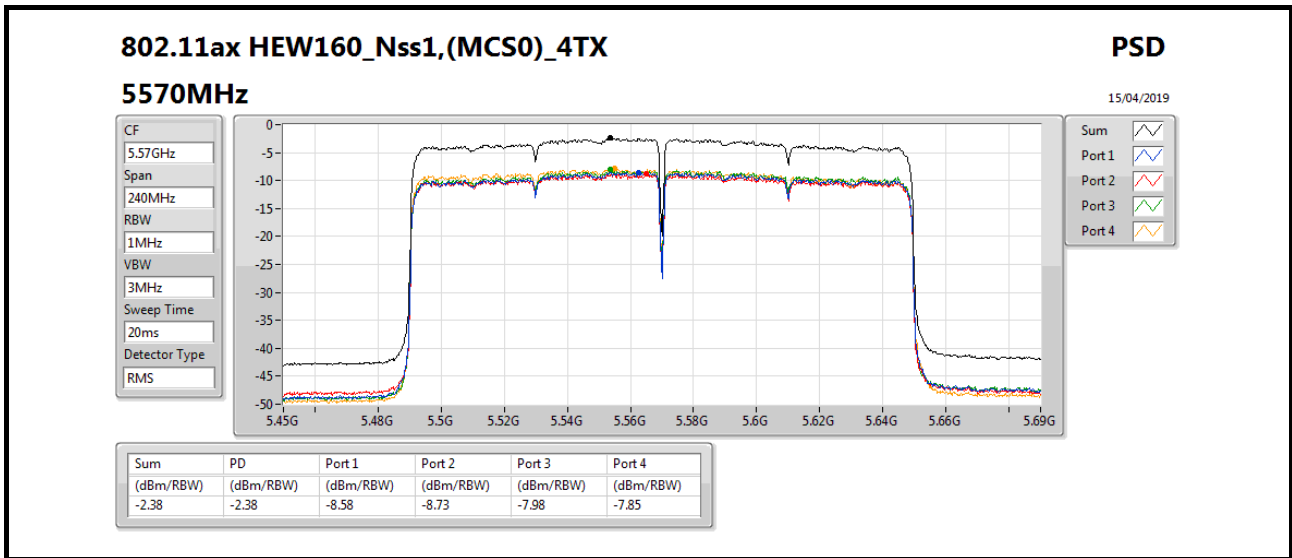
Sum

Port 1

Port 2

Port 3

Port 4





**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-5.63
5.25-5.35GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	1.79
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-0.90
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-3.71
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-5.52
5.47-5.725GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	2.11
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-0.51
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-3.54
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-6.46
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.38
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-2.45
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-6.15

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

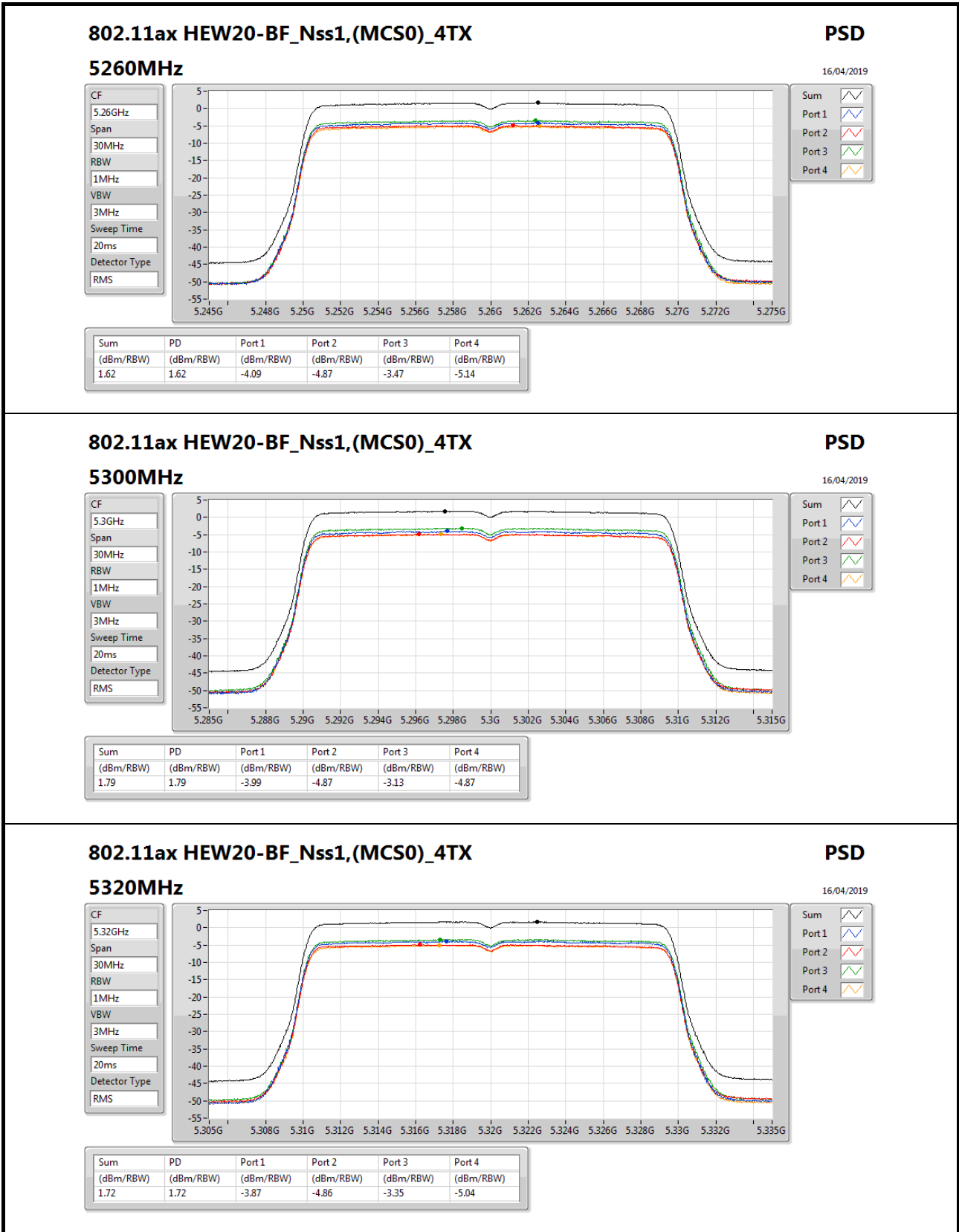


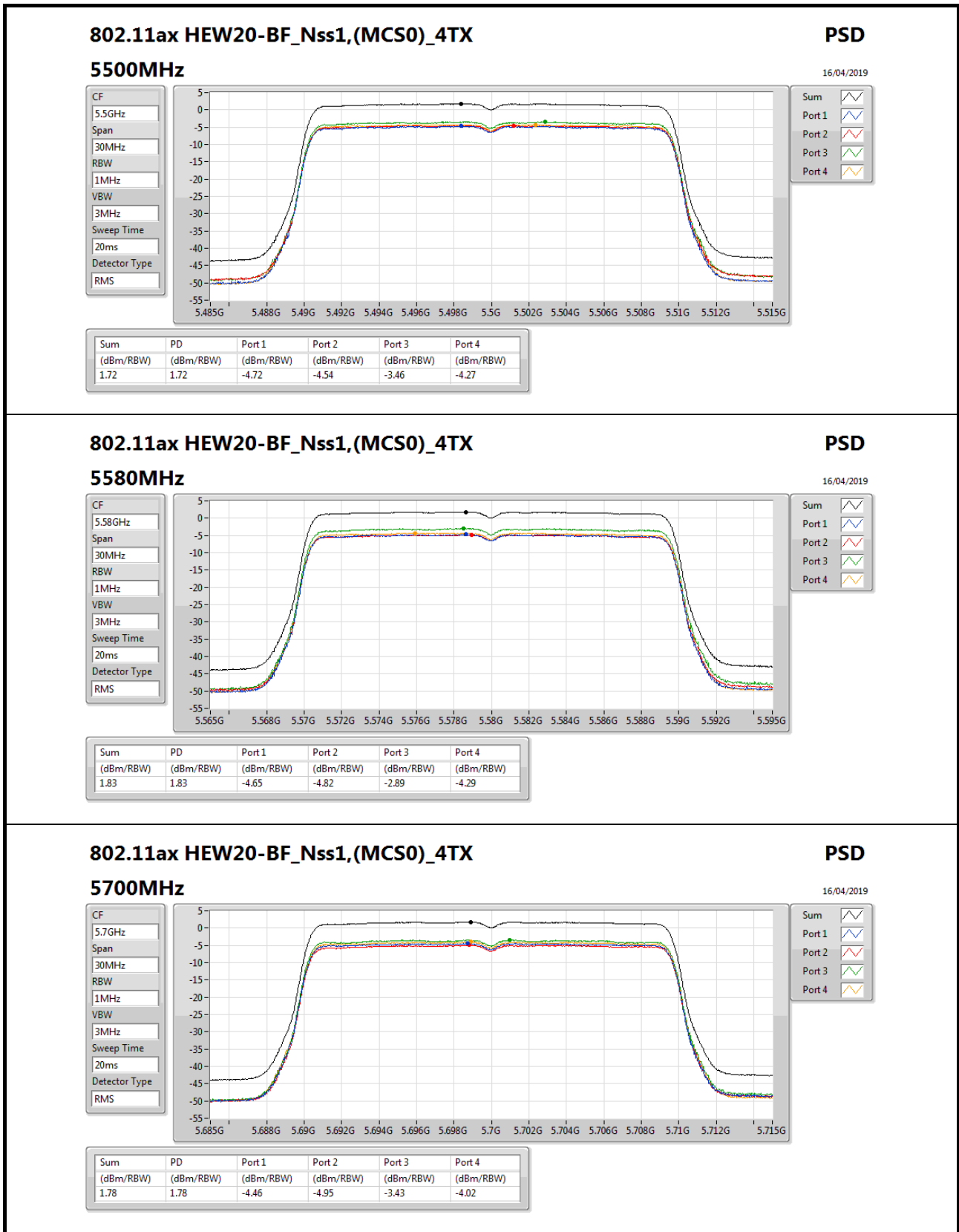
Result

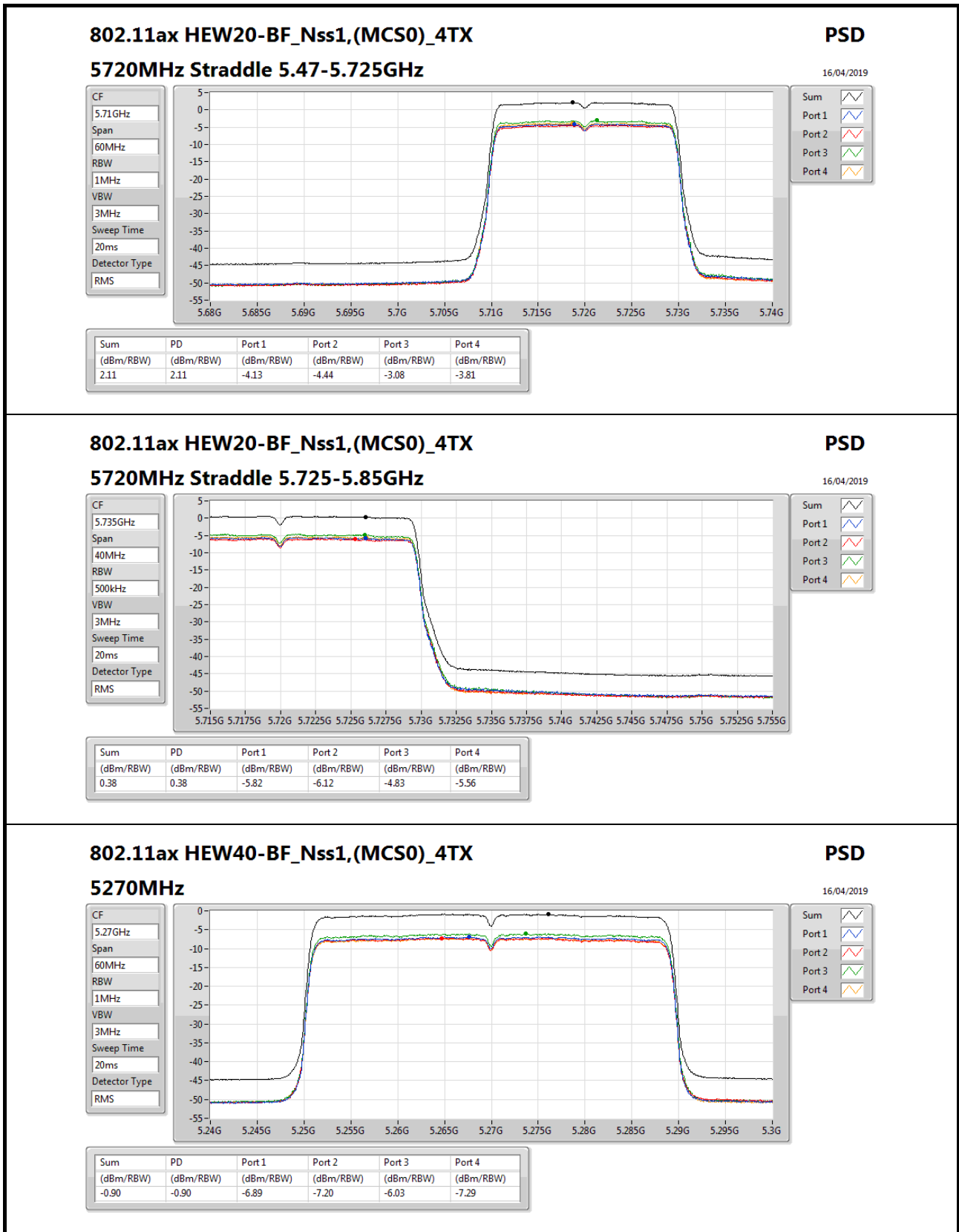
Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	14.29	-4.09	-4.87	-3.47	-5.14	1.62	2.71
5300MHz	Pass	14.29	-3.99	-4.87	-3.13	-4.87	1.79	2.71
5320MHz	Pass	14.29	-3.87	-4.86	-3.35	-5.04	1.72	2.71
5500MHz	Pass	14.29	-4.72	-4.54	-3.46	-4.27	1.72	2.71
5580MHz	Pass	14.29	-4.65	-4.82	-2.89	-4.29	1.83	2.71
5700MHz	Pass	14.29	-4.46	-4.95	-3.43	-4.02	1.78	2.71
5720MHz Straddle 5.47-5.725GHz	Pass	14.29	-4.13	-4.44	-3.08	-3.81	2.11	2.71
5720MHz Straddle 5.725-5.85GHz	Pass	14.29	-5.82	-6.12	-4.83	-5.56	0.38	21.71
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	14.29	-6.89	-7.20	-6.03	-7.29	-0.90	2.71
5310MHz	Pass	14.29	-6.86	-7.10	-6.10	-7.43	-0.92	2.71
5510MHz	Pass	14.29	-7.15	-7.11	-6.72	-6.59	-0.97	2.71
5550MHz	Pass	14.29	-7.27	-7.61	-6.58	-6.64	-1.09	2.71
5670MHz	Pass	14.29	-7.73	-7.53	-5.97	-6.27	-0.85	2.71
5710MHz Straddle 5.47-5.725GHz	Pass	14.29	-7.06	-7.27	-5.31	-6.24	-0.51	2.71
5710MHz Straddle 5.725-5.85GHz	Pass	14.29	-8.80	-9.27	-7.38	-8.42	-2.45	21.71
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	14.29	-9.62	-10.03	-8.85	-10.20	-3.71	2.71
5530MHz	Pass	14.29	-10.31	-10.48	-8.76	-9.46	-3.78	2.71
5610MHz	Pass	14.29	-9.99	-10.06	-9.17	-9.76	-3.77	2.71
5690MHz Straddle 5.47-5.725GHz	Pass	14.29	-9.94	-10.03	-8.94	-9.11	-3.54	2.71
5690MHz Straddle 5.725-5.85GHz	Pass	14.29	-12.48	-12.28	-11.76	-11.81	-6.15	21.71
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	14.29	-11.52	-11.76	-11.00	-11.73	-5.63	8.71
5250MHz Straddle 5.25-5.35GHz	Pass	14.29	-11.28	-12.12	-10.82	-11.60	-5.52	2.71
5570MHz	Pass	14.29	-12.57	-12.96	-12.05	-12.02	-6.46	2.71

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 HEW40-BF_Nss1,(MCS0)_4TX

5270MHz

PSD
16/04/2019

CF
5.27GHz

Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

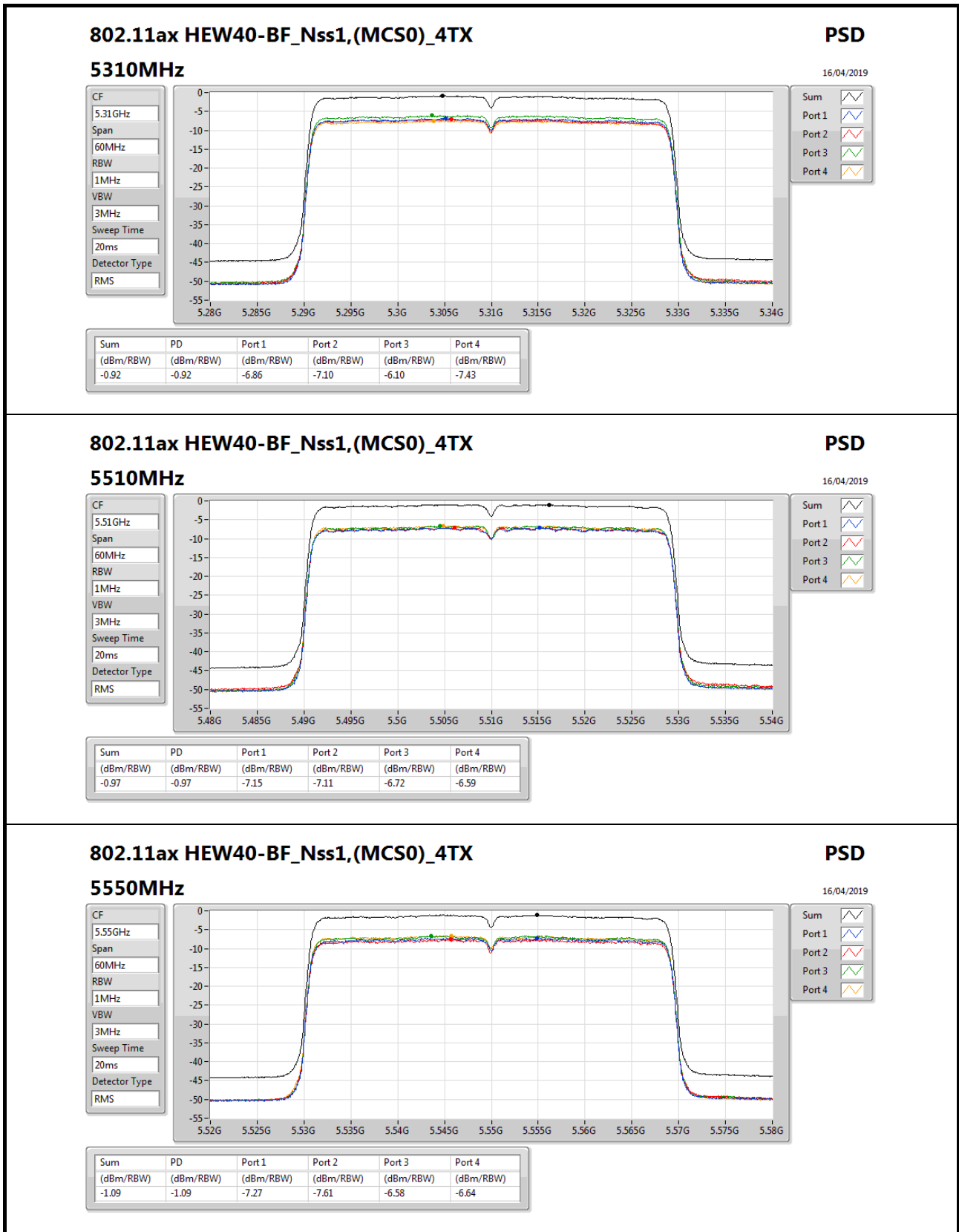
Sum

Port 1

Port 2

Port 3

Port 4



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5550MHz

PSD

16/04/2019

CF
5.55GHz

Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

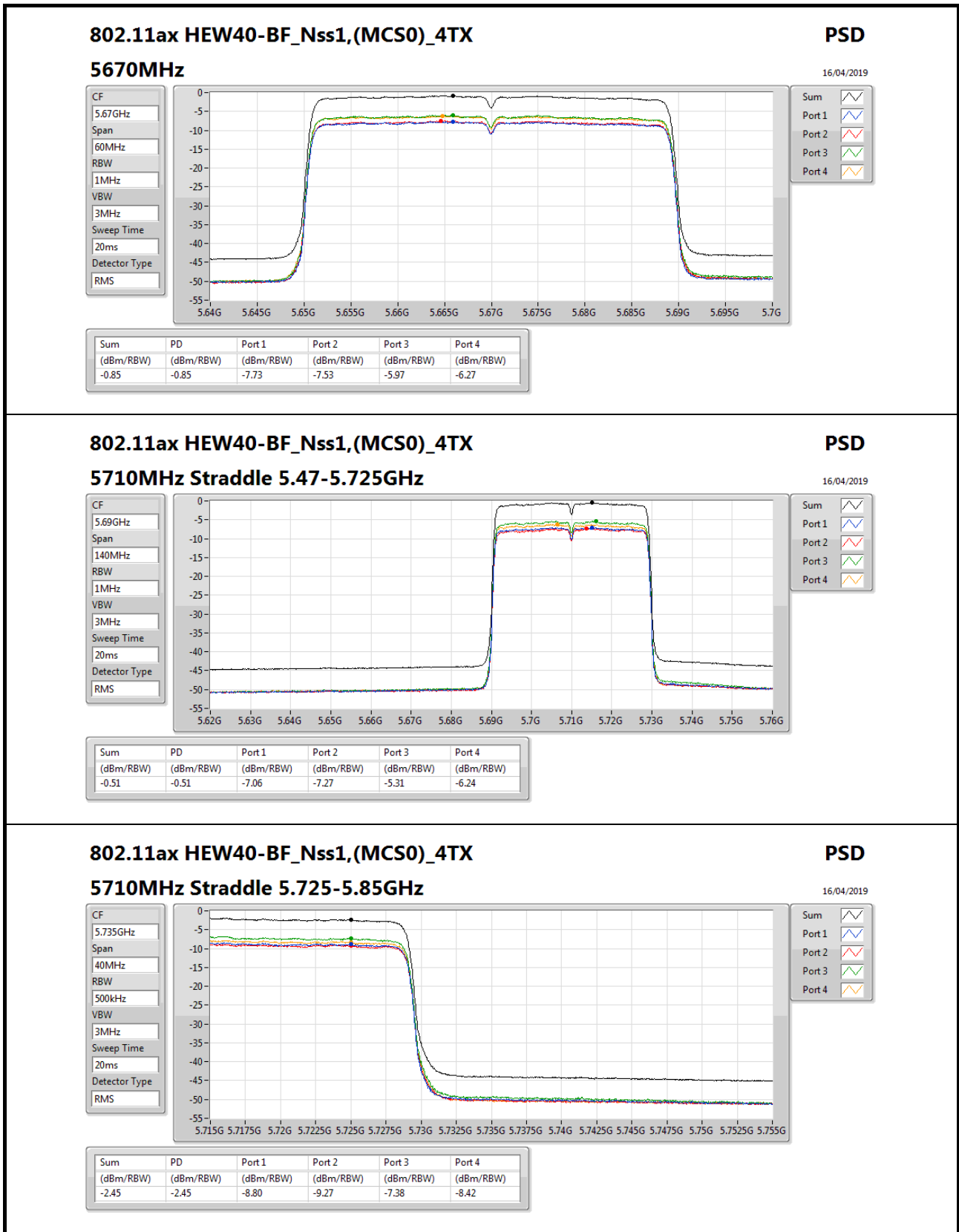
Sum

Port 1

Port 2

Port 3

Port 4



802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5710MHz Straddle 5.725-5.85GHz

PSD
16/04/2019

CF
5.735GHz

Span
40MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

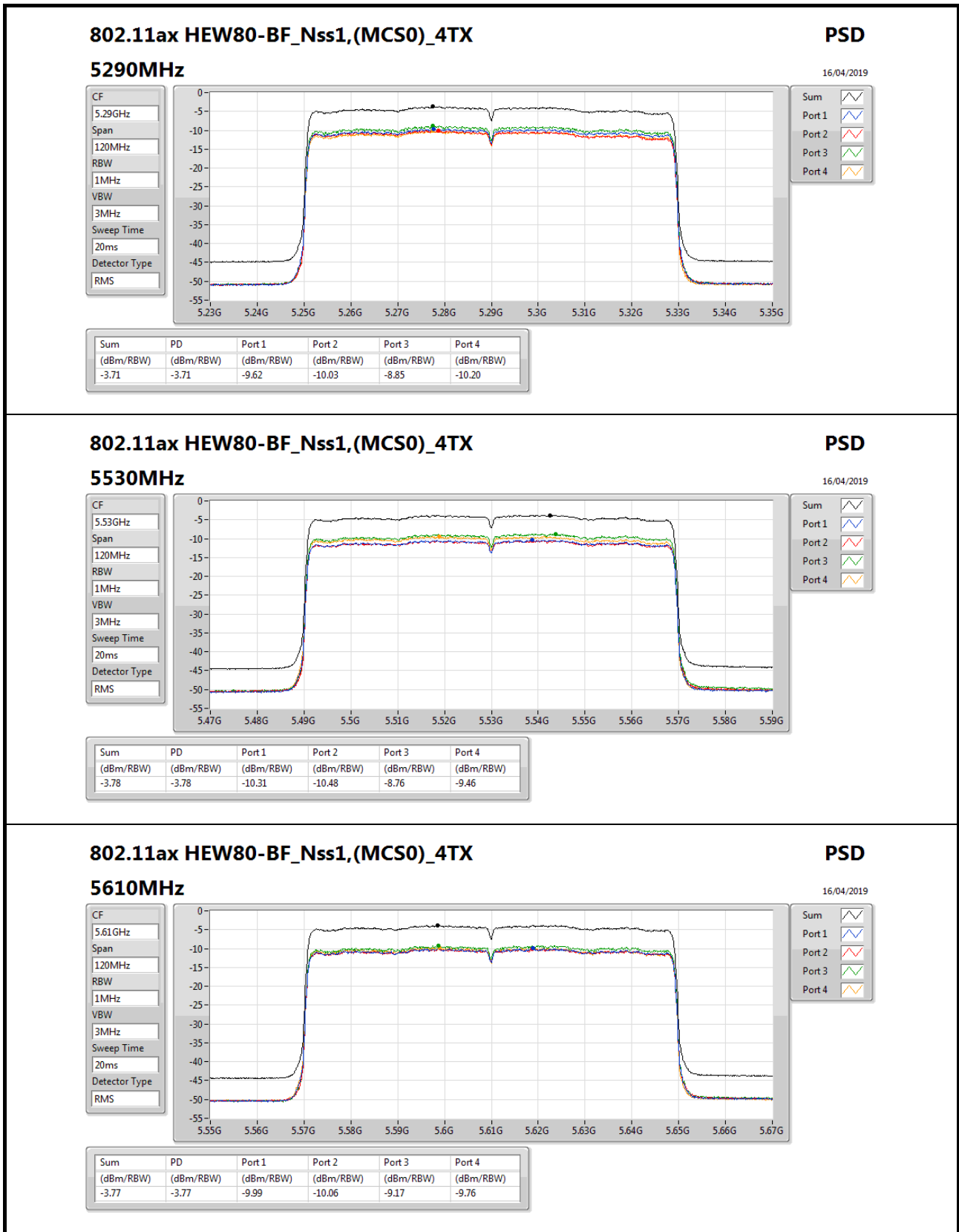
Sum

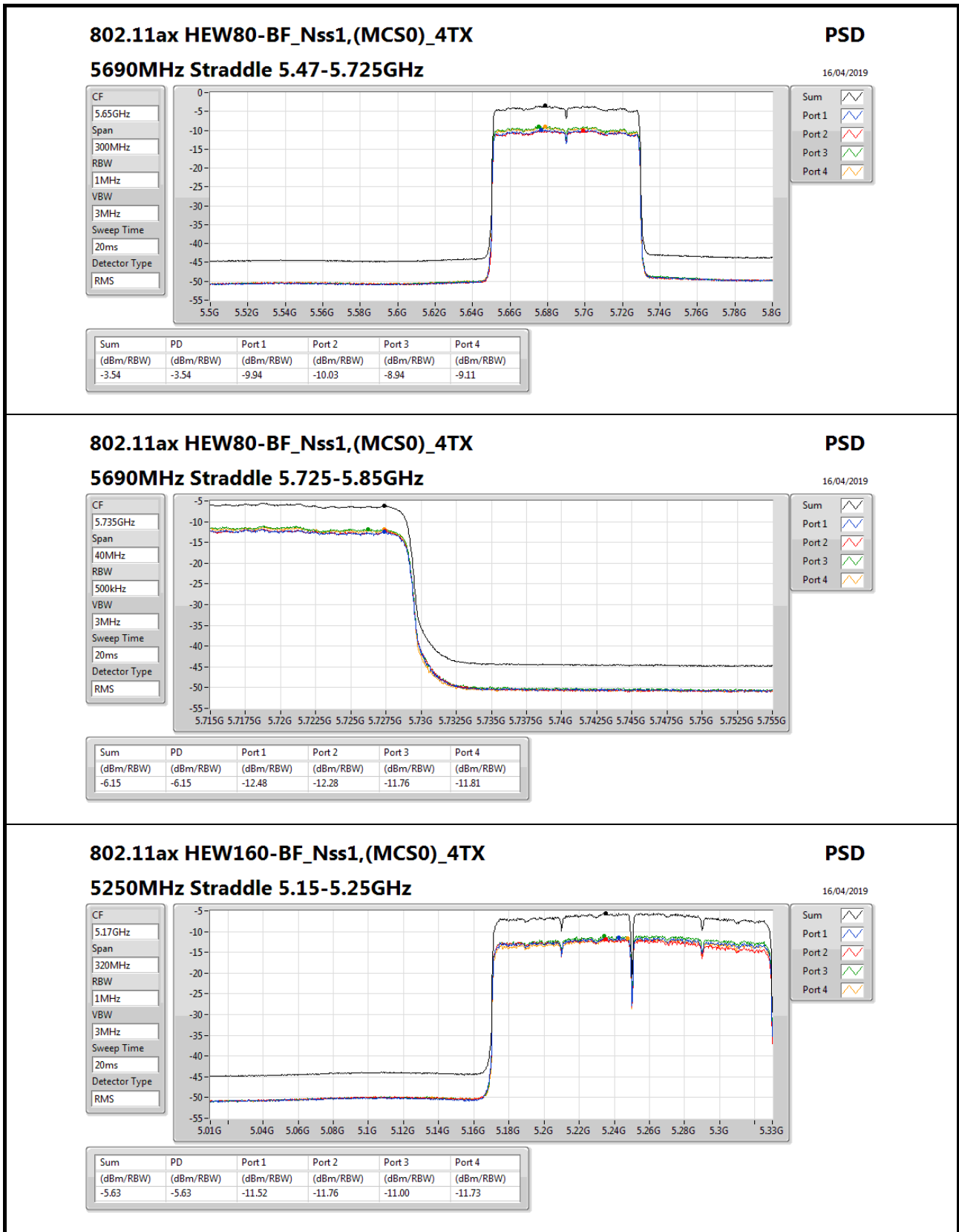
Port 1

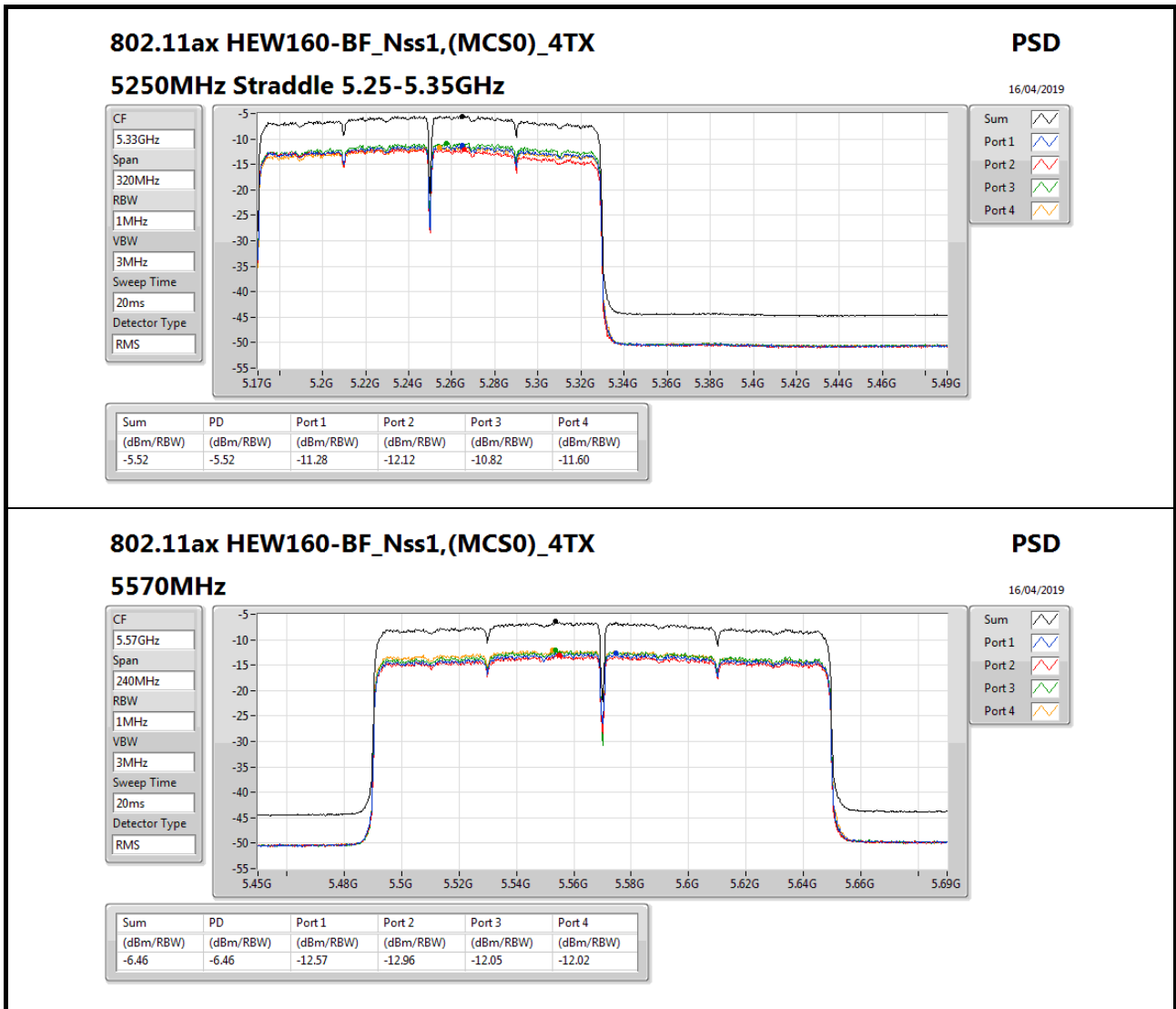
Port 2

Port 3

Port 4









**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss4,(MCS0)_4TX	-2.90
5.25-5.35GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	8.02
802.11ax HEW40_Nss4,(MCS0)_4TX	5.17
802.11ax HEW80_Nss4,(MCS0)_4TX	1.03
802.11ax HEW160_Nss4,(MCS0)_4TX	-2.75
5.47-5.725GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	8.24
802.11ax HEW40_Nss4,(MCS0)_4TX	5.58
802.11ax HEW80_Nss4,(MCS0)_4TX	2.70
802.11ax HEW160_Nss4,(MCS0)_4TX	-2.03
5.725-5.85GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	6.43
802.11ax HEW40_Nss4,(MCS0)_4TX	3.34
802.11ax HEW80_Nss4,(MCS0)_4TX	-0.17

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

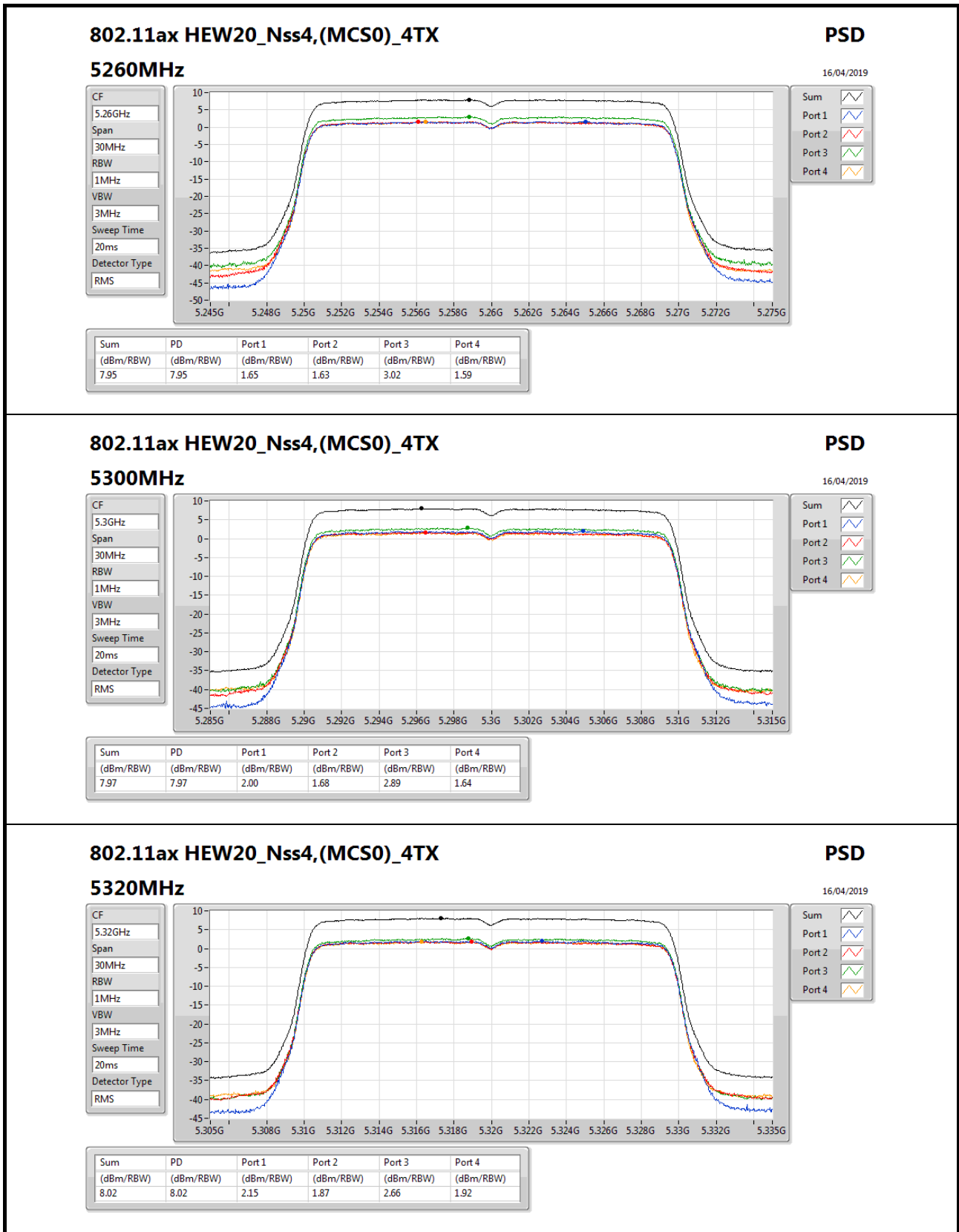


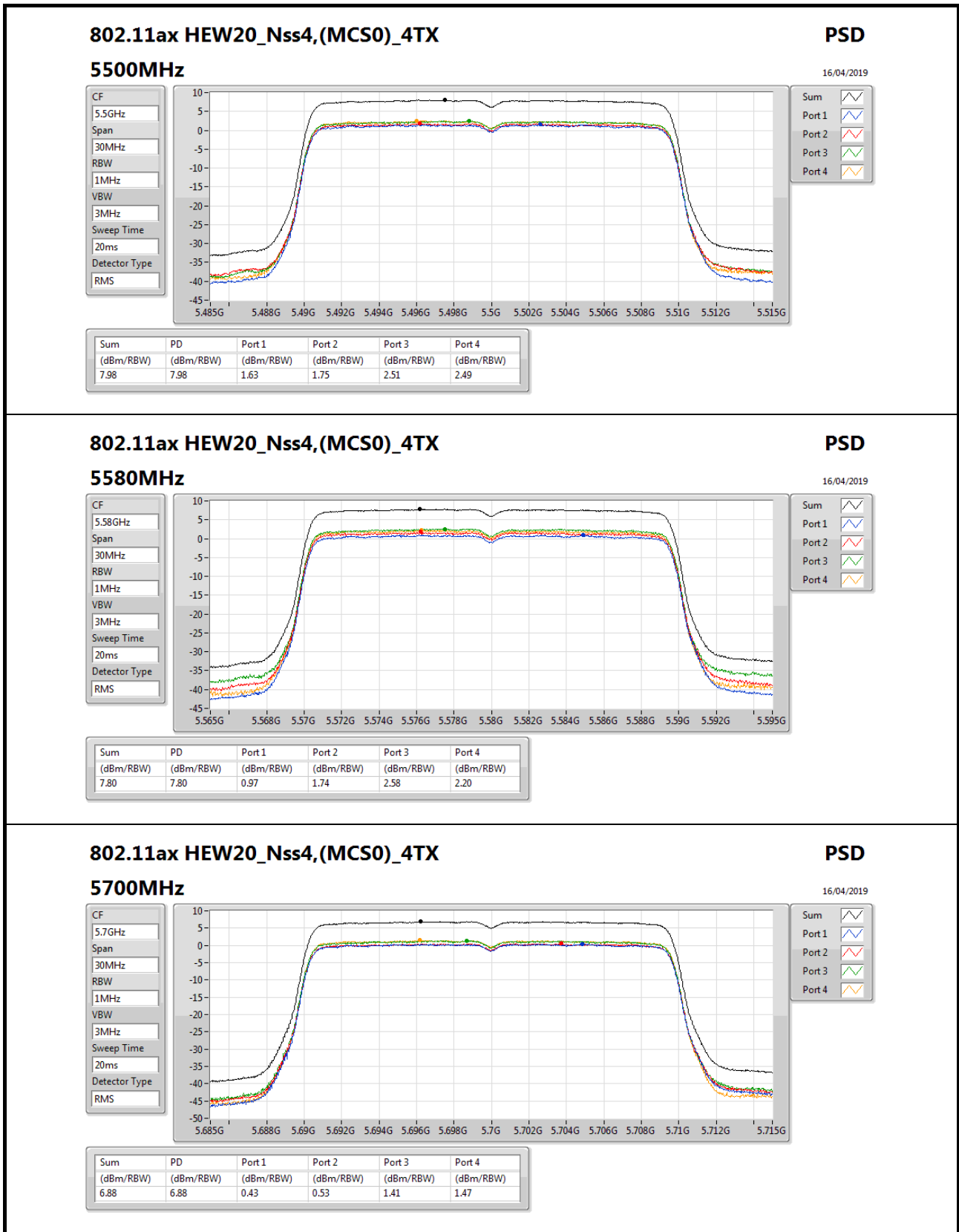
Result

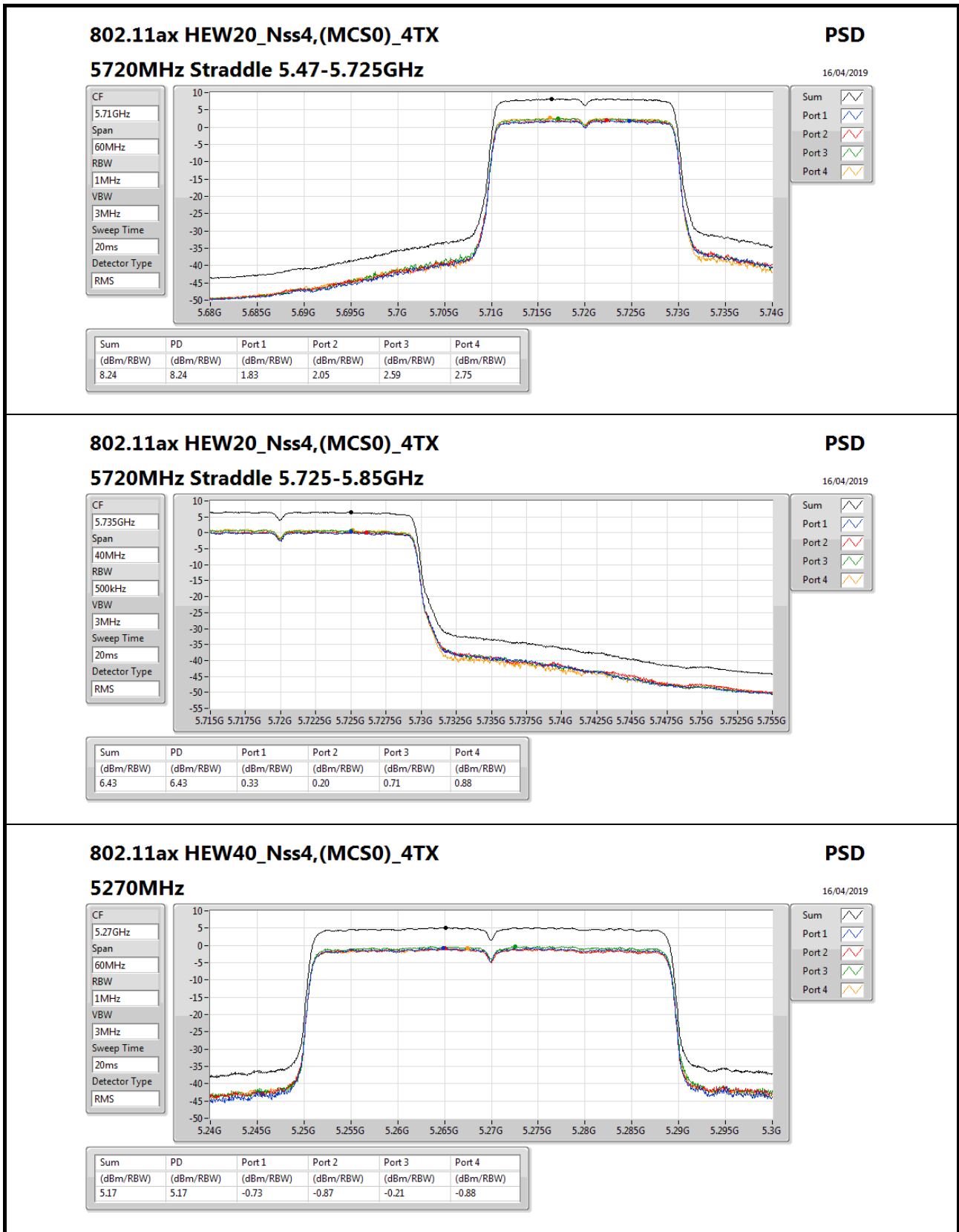
Mode	Result	DG (dB)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.27	1.65	1.63	3.02	1.59	7.95	8.73
5300MHz	Pass	8.27	2.00	1.68	2.89	1.64	7.97	8.73
5320MHz	Pass	8.27	2.15	1.87	2.66	1.92	8.02	8.73
5500MHz	Pass	8.27	1.63	1.75	2.51	2.49	7.98	8.73
5580MHz	Pass	8.27	0.97	1.74	2.58	2.20	7.80	8.73
5700MHz	Pass	8.27	0.43	0.53	1.41	1.47	6.88	8.73
5720MHz Straddle 5.47-5.725GHz	Pass	8.27	1.83	2.05	2.59	2.75	8.24	8.73
5720MHz Straddle 5.725-5.85GHz	Pass	8.27	0.33	0.20	0.71	0.88	6.43	27.73
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.27	-0.73	-0.87	-0.21	-0.88	5.17	8.73
5310MHz	Pass	8.27	-2.21	-2.41	-2.05	-2.83	3.52	8.73
5510MHz	Pass	8.27	-3.44	-2.93	-2.80	-2.65	2.97	8.73
5550MHz	Pass	8.27	-0.93	-0.71	-0.76	0.22	5.37	8.73
5670MHz	Pass	8.27	-1.74	-2.03	-0.86	-0.61	4.62	8.73
5710MHz Straddle 5.47-5.725GHz	Pass	8.27	-1.07	-0.84	0.46	0.29	5.58	8.73
5710MHz Straddle 5.725-5.85GHz	Pass	8.27	-3.41	-3.10	-1.87	-1.95	3.34	27.73
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.27	-4.84	-5.21	-4.29	-5.08	1.03	8.73
5530MHz	Pass	8.27	-5.93	-5.62	-4.71	-5.12	0.56	8.73
5610MHz	Pass	8.27	-3.96	-3.52	-2.95	-2.43	2.70	8.73
5690MHz Straddle 5.47-5.725GHz	Pass	8.27	-3.69	-3.63	-2.91	-2.92	2.67	8.73
5690MHz Straddle 5.725-5.85GHz	Pass	8.27	-6.45	-6.24	-5.67	-5.97	-0.17	27.73
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.27	-8.73	-8.83	-8.36	-8.79	-2.90	14.73
5250MHz Straddle 5.25-5.35GHz	Pass	8.27	-8.42	-8.98	-8.24	-8.92	-2.75	8.73
5570MHz	Pass	8.27	-8.52	-8.42	-7.31	-7.14	-2.03	8.73

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 HEW40_Nss4,(MCS0)_4TX

5270MHz

PSD
16/04/2019

CF
5.27GHz

Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

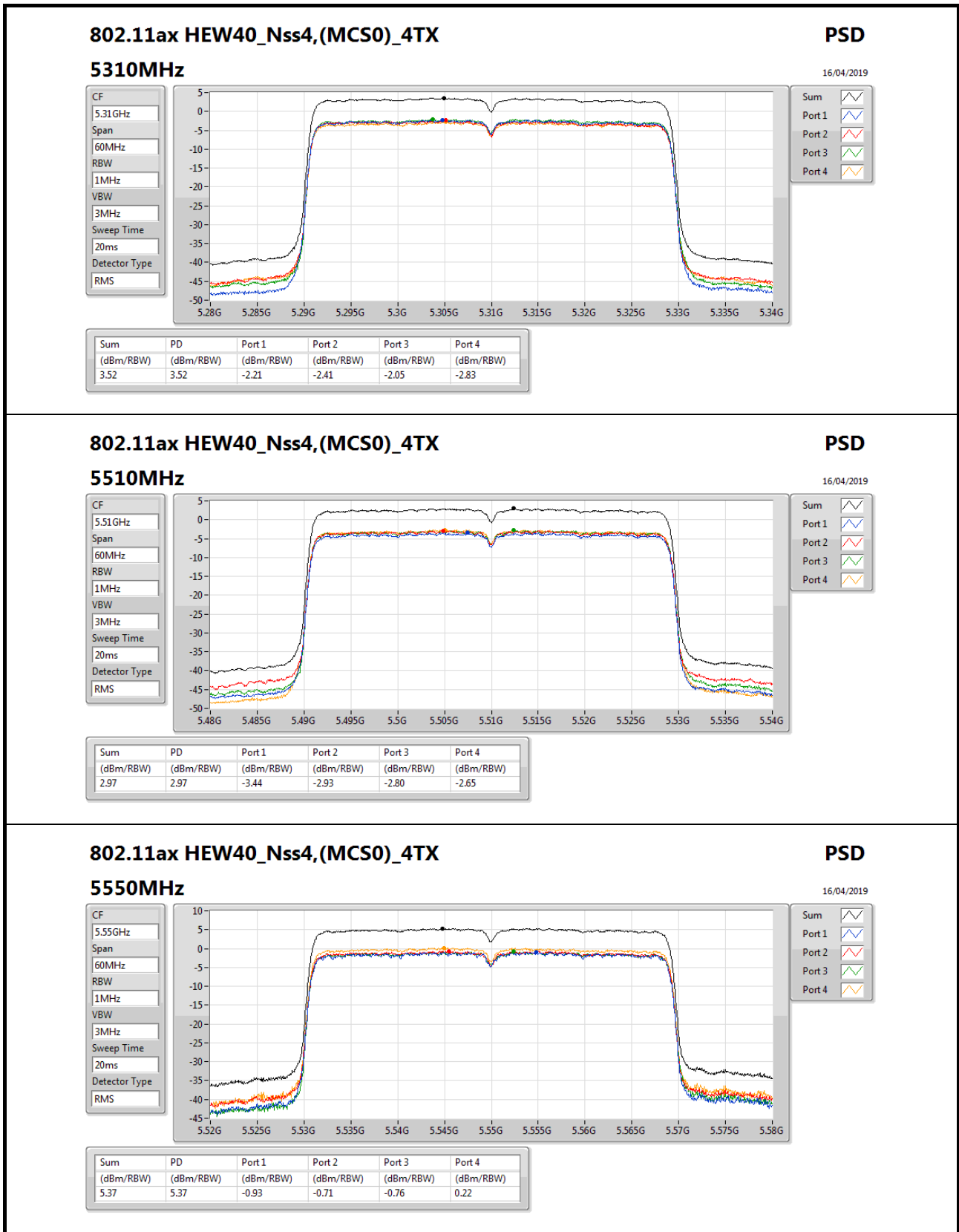
Sum

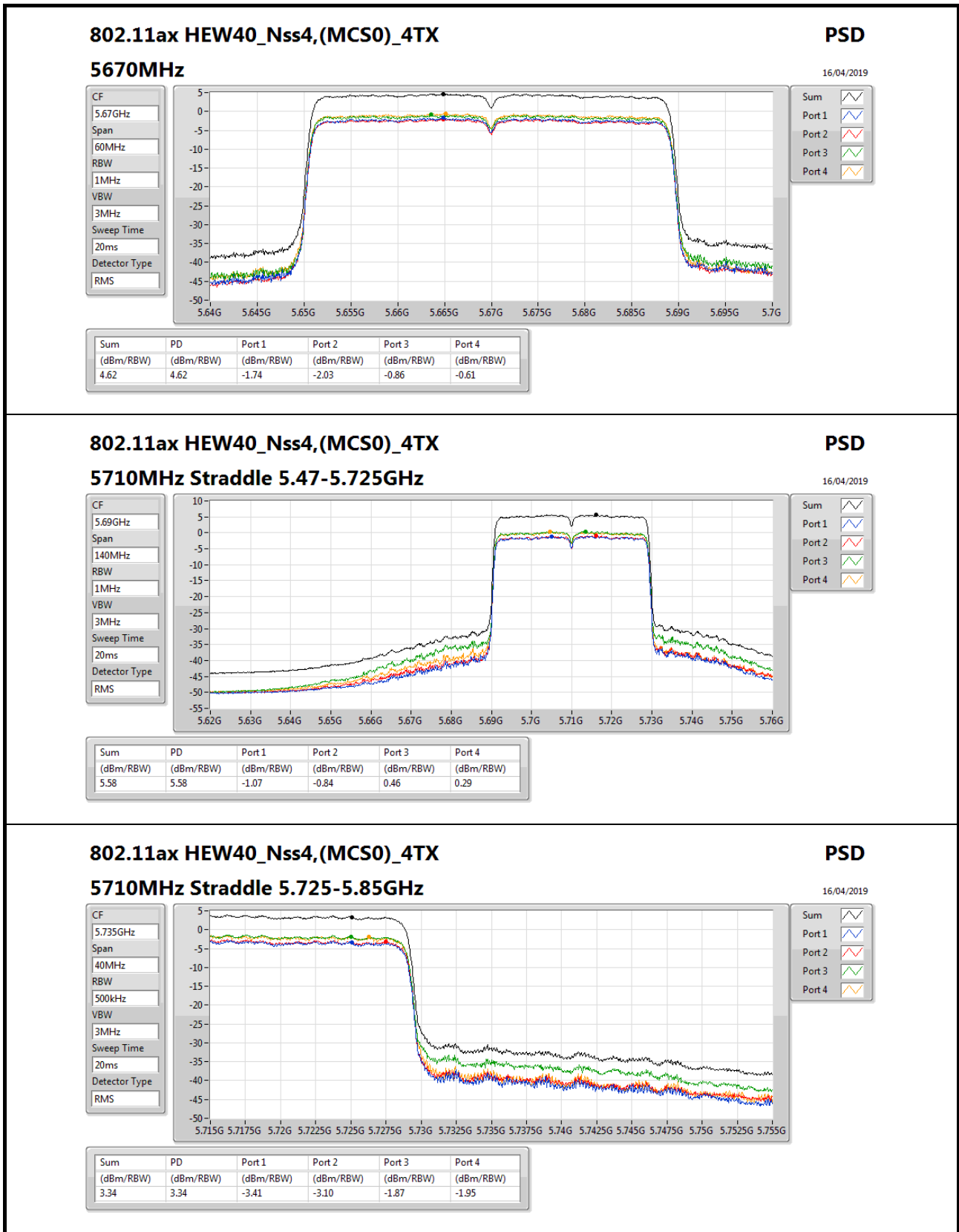
Port 1

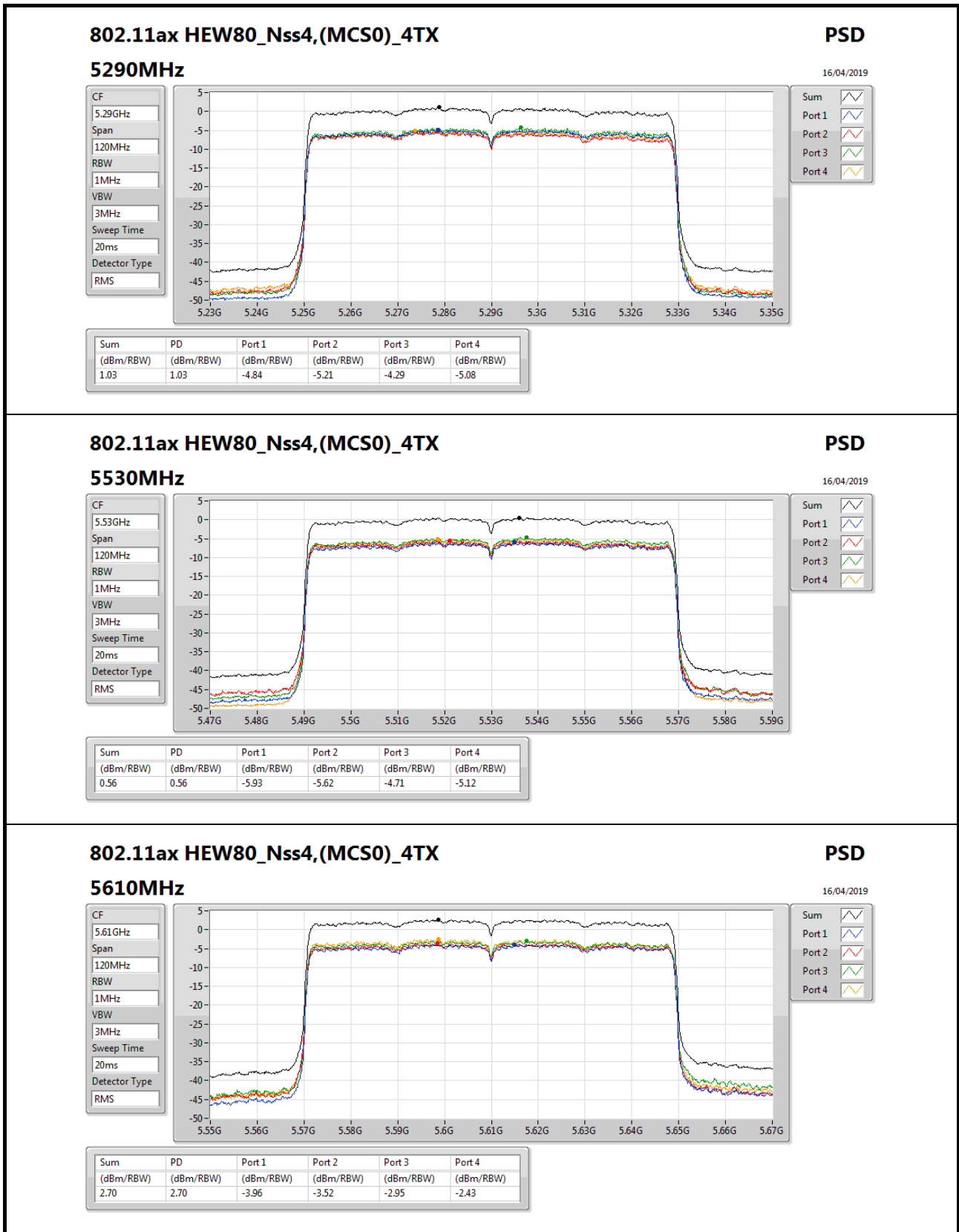
Port 2

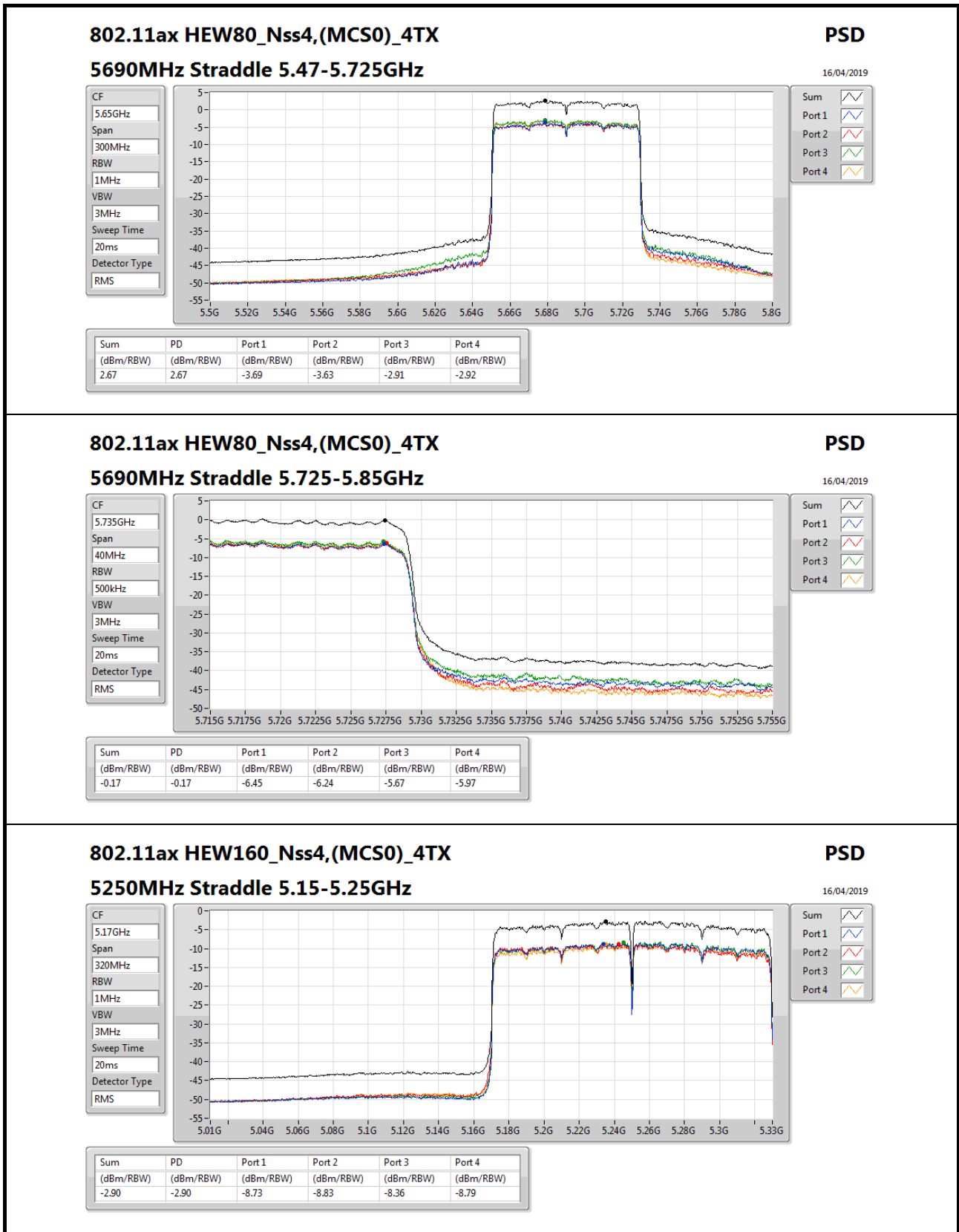
Port 3

Port 4









802.11ax HEW160_Nss4,(MCS0)_4TX

5250MHz Straddle 5.15-5.25GHz

PSD
16/04/2019

CF
5.17GHz

Span
320MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

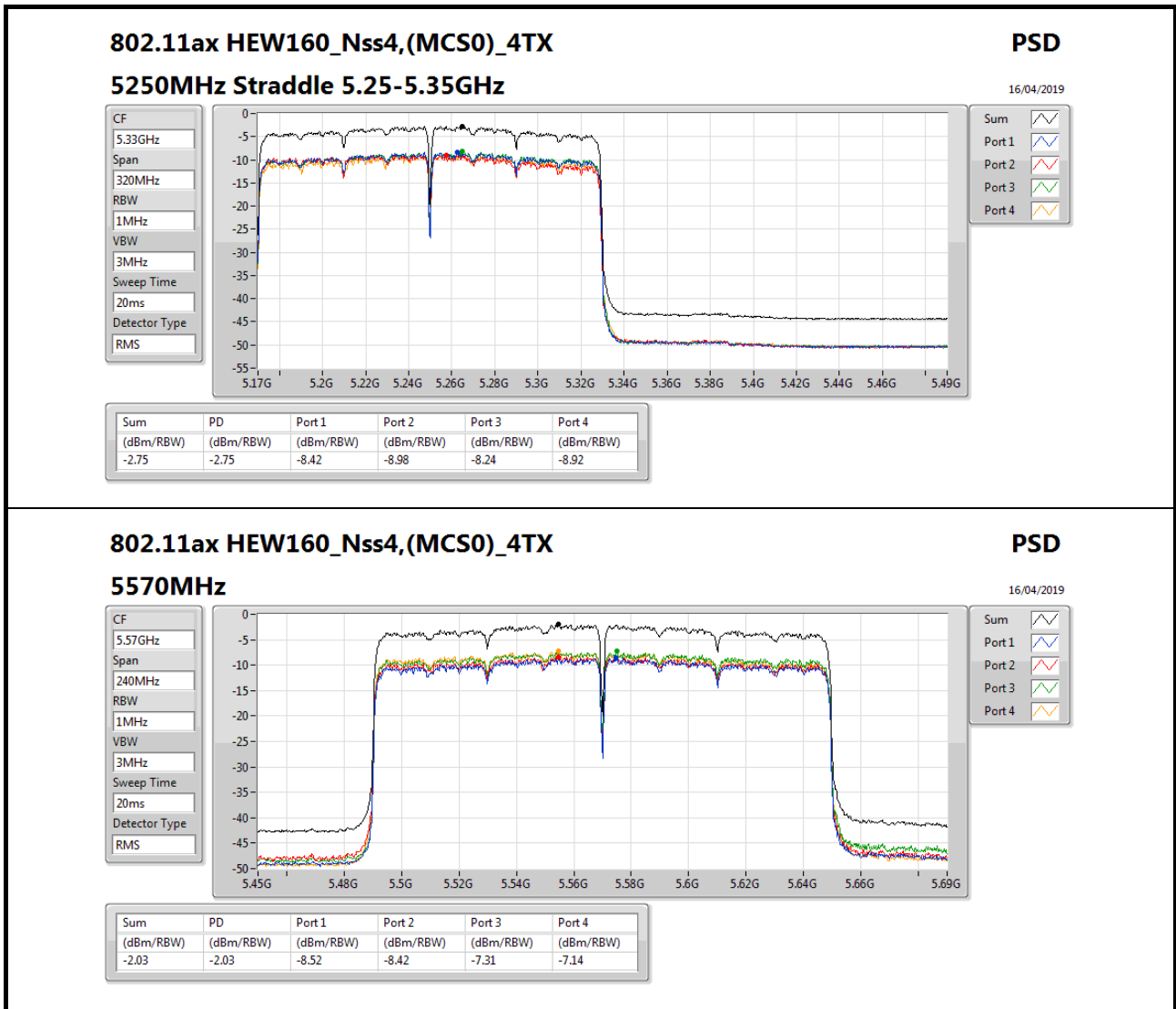
Sum

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 HEW160_Nss1,(MCS0)_1TX	-6.29
5.25-5.35GHz	-
802.11ax HEW160_Nss1,(MCS0)_1TX	-5.81

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

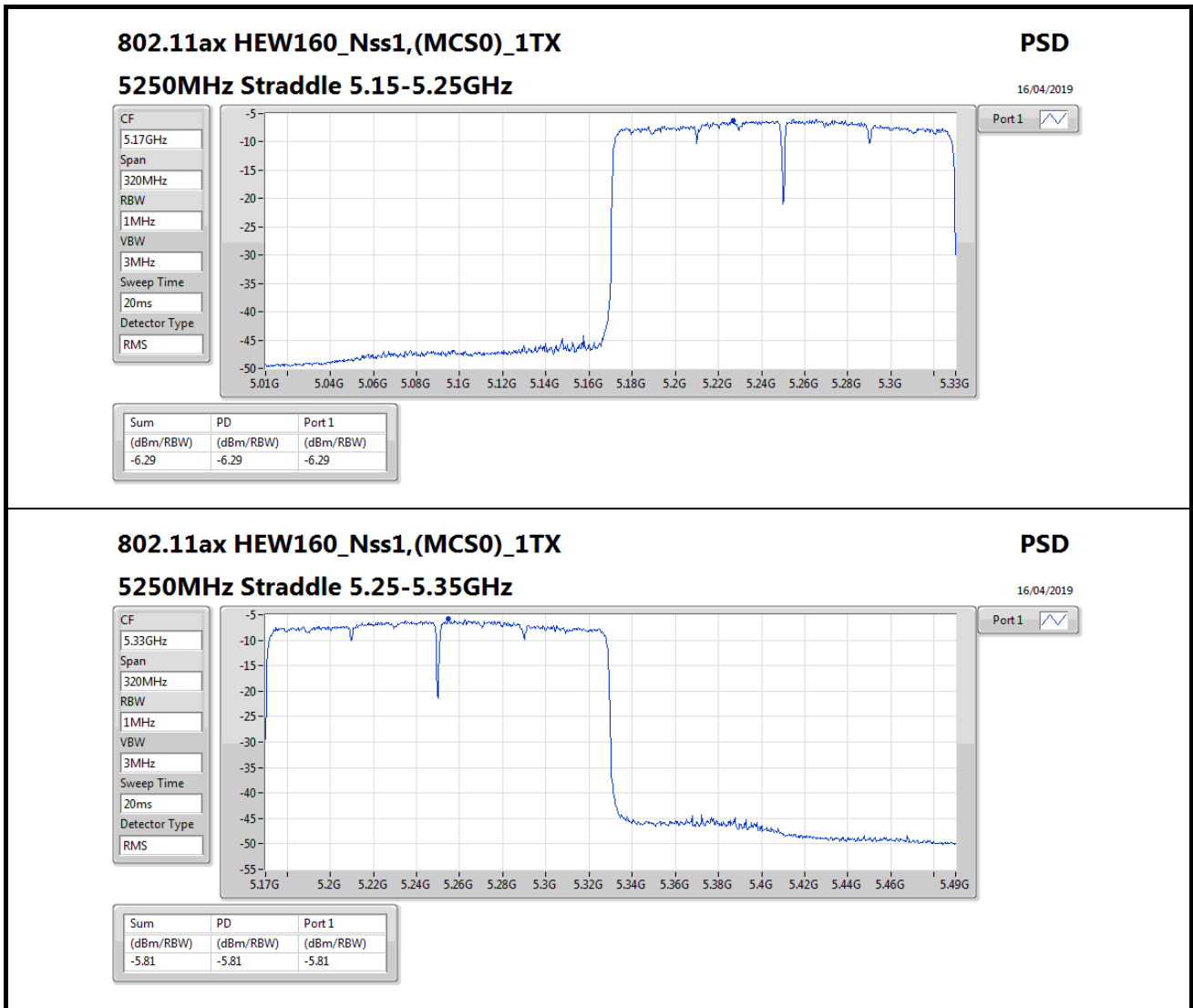


Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.27	-6.29	-6.29	14.73
5250MHz Straddle 5.25-5.35GHz	Pass	8.27	-5.81	-5.81	8.73

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;





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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss2,(MCS0)_2TX	-5.64
5.25-5.35GHz	-
802.11ax HEW160_Nss2,(MCS0)_2TX	-5.65

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)
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.27	-8.31	-8.74	-5.64	14.73
5250MHz Straddle 5.25-5.35GHz	Pass	8.27	-8.21	-8.81	-5.65	8.73

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

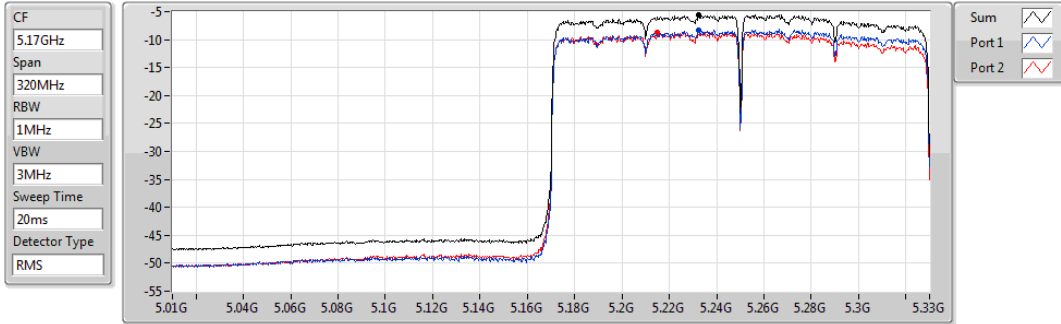
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

802.11ax HEW160_Nss2,(MCS0)_2TX

PSD

5250MHz Straddle 5.15-5.25GHz

16/04/2019



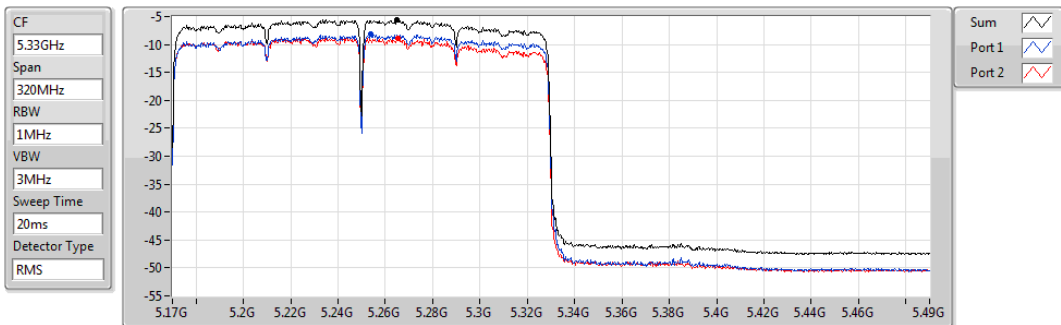
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.64	-5.64	-8.31	-8.74

802.11ax HEW160_Nss2,(MCS0)_2TX

PSD

5250MHz Straddle 5.25-5.35GHz

16/04/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.65	-5.65	-8.21	-8.81



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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss1,(MCS0)_4TX	-3.85
5.25-5.35GHz	-
802.11ax HEW160_Nss1,(MCS0)_4TX	-3.57

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	14.29	-9.55	-10.12	-9.60	-9.83	-3.85	8.71
5250MHz Straddle 5.25-5.35GHz	Pass	14.29	-9.29	-10.05	-9.31	-9.44	-3.57	2.71

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

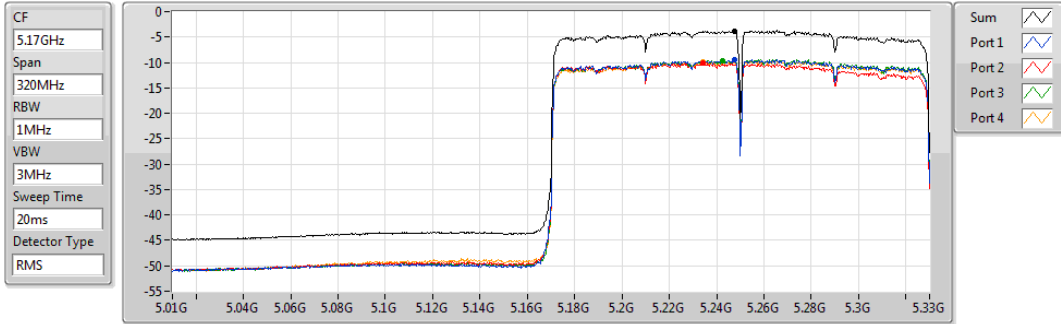
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

15/04/2019



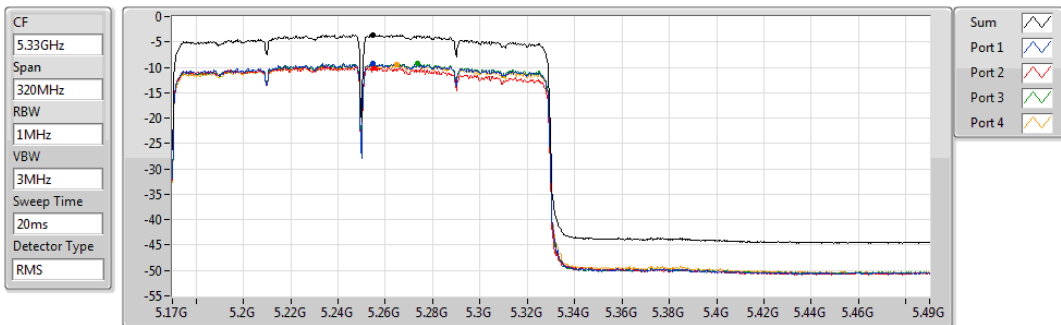
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.85	-3.85	-9.55	-10.12	-9.60	-9.83

802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

15/04/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.57	-3.57	-9.29	-10.05	-9.31	-9.44



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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-9.24
5.25-5.35GHz	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-9.25

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	14.29	-14.95	-15.28	-14.93	-15.65	-9.24	8.71
5250MHz Straddle 5.25-5.35GHz	Pass	14.29	-14.76	-15.61	-15.11	-15.43	-9.25	2.71

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

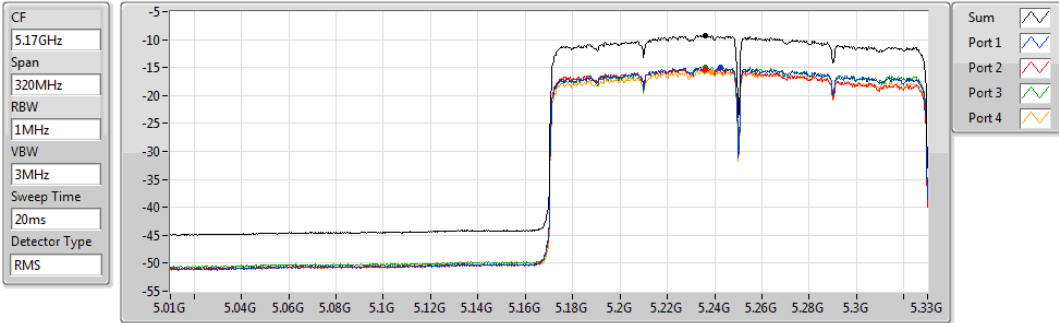
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

15/05/2019



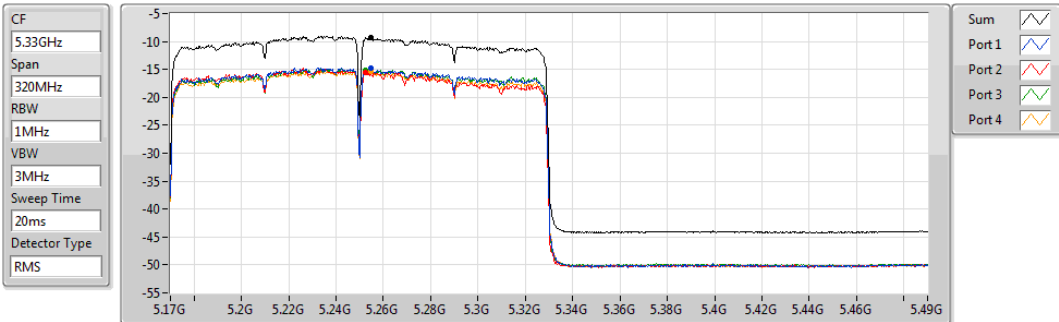
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.24	-9.24	-14.95	-15.28	-14.93	-15.65

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

15/05/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.25	-9.25	-14.76	-15.61	-15.11	-15.43



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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss4,(MCS0)_4TX	-3.18
5.25-5.35GHz	-
802.11ax HEW160_Nss4,(MCS0)_4TX	-3.01

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)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	8.27	-8.73	-9.35	-8.78	-9.46	-3.18	14.73
5250MHz Straddle 5.25-5.35GHz	Pass	8.27	-8.53	-9.14	-8.62	-9.25	-3.01	8.73

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

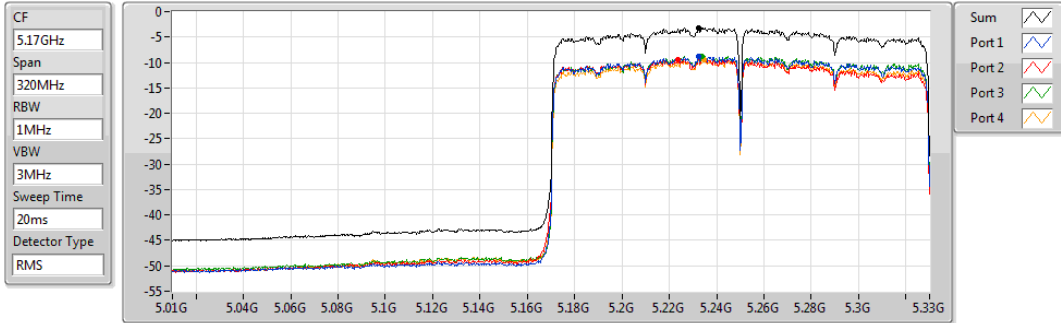
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

802.11ax HEW160_Nss4,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

14/05/2019



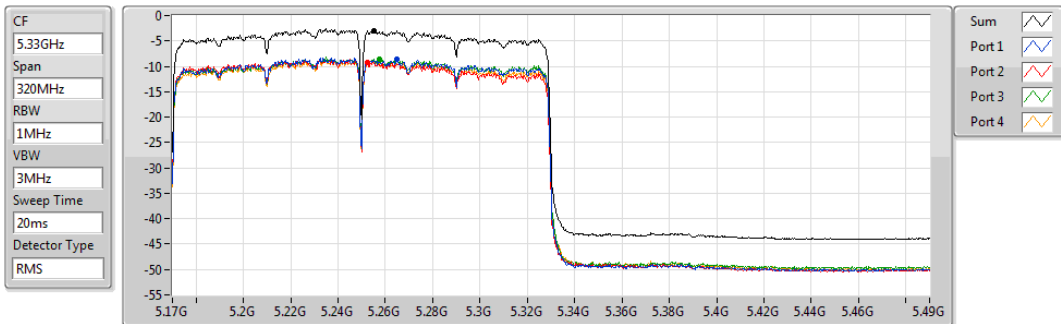
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.18	-3.18	-8.73	-9.35	-8.78	-9.46

802.11ax HEW160_Nss4,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

14/05/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.01	-3.01	-8.53	-9.14	-8.62	-9.25



**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss1,(MCS0)_1TX	-6.39
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.18
802.11ax HEW20_Nss1,(MCS0)_1TX	7.46
802.11ax HEW40_Nss1,(MCS0)_1TX	4.80
802.11ax HEW80_Nss1,(MCS0)_1TX	-2.28
802.11ax HEW160_Nss1,(MCS0)_1TX	-6.42
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.27
802.11ax HEW20_Nss1,(MCS0)_1TX	6.89
802.11ax HEW40_Nss1,(MCS0)_1TX	4.48
802.11ax HEW80_Nss1,(MCS0)_1TX	1.44
802.11ax HEW160_Nss1,(MCS0)_1TX	-5.86
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	4.47
802.11ax HEW20_Nss1,(MCS0)_1TX	4.14
802.11ax HEW40_Nss1,(MCS0)_1TX	1.86
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.49

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

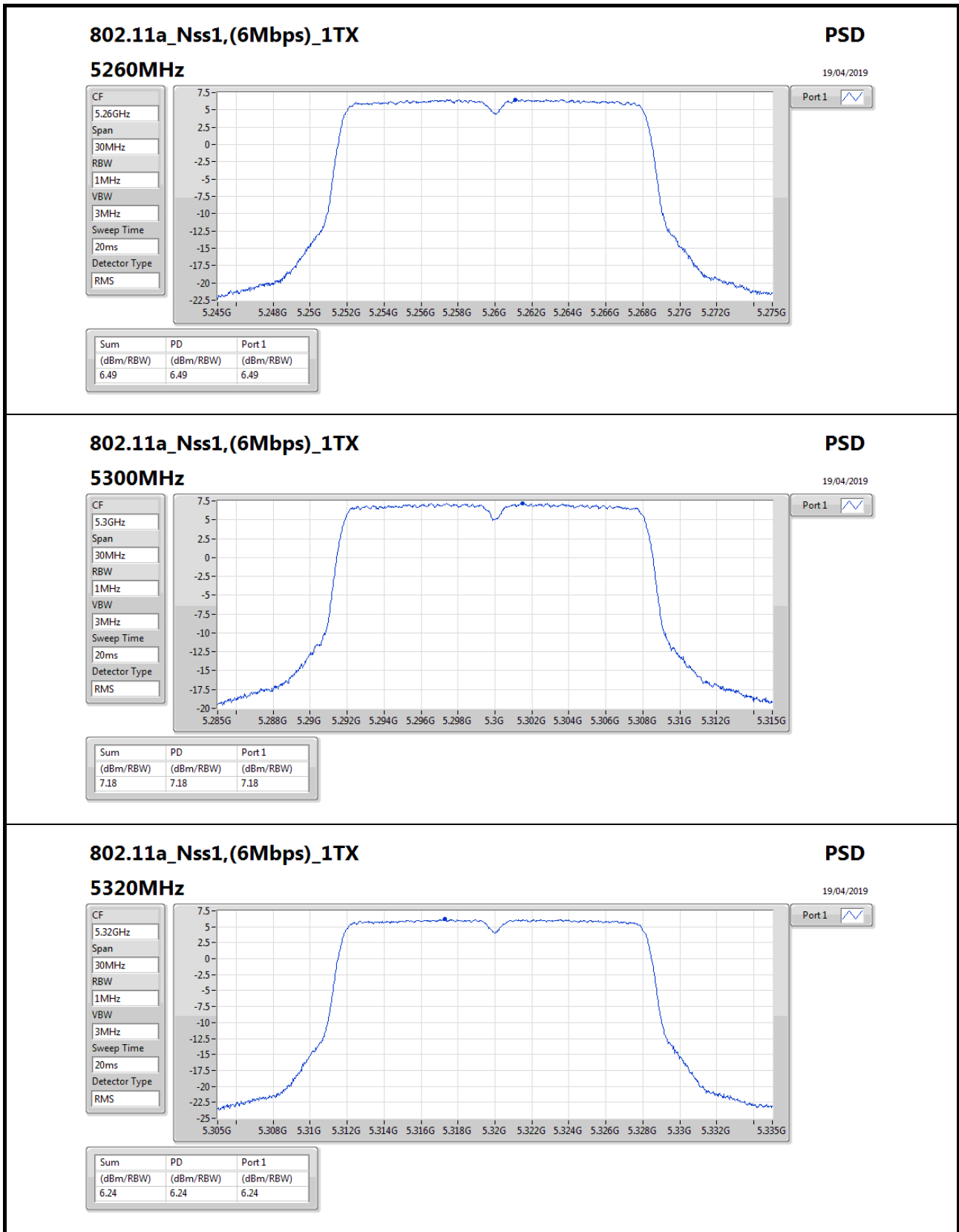


Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5260MHz	Pass	6.16	6.49	6.49	10.84
5300MHz	Pass	6.16	7.18	7.18	10.84
5320MHz	Pass	6.16	6.24	6.24	10.84
5500MHz	Pass	6.16	4.58	4.58	10.84
5580MHz	Pass	6.16	5.86	5.86	10.84
5700MHz	Pass	6.16	3.17	3.17	10.84
5720MHz Straddle 5.47-5.725GHz	Pass	6.16	6.27	6.27	10.84
5720MHz Straddle 5.725-5.85GHz	Pass	6.16	4.47	4.47	29.84
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5260MHz	Pass	6.16	6.75	6.75	10.84
5300MHz	Pass	6.16	7.33	7.33	10.84
5320MHz	Pass	6.16	7.46	7.46	10.84
5500MHz	Pass	6.16	3.63	3.63	10.84
5580MHz	Pass	6.16	6.89	6.89	10.84
5700MHz	Pass	6.16	1.62	1.62	10.84
5720MHz Straddle 5.47-5.725GHz	Pass	6.16	5.99	5.99	10.84
5720MHz Straddle 5.725-5.85GHz	Pass	6.16	4.14	4.14	29.84
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5270MHz	Pass	6.16	4.80	4.80	10.84
5310MHz	Pass	6.16	0.78	0.78	10.84
5510MHz	Pass	6.16	-2.03	-2.03	10.84
5550MHz	Pass	6.16	4.48	4.48	10.84
5670MHz	Pass	6.16	1.23	1.23	10.84
5710MHz Straddle 5.47-5.725GHz	Pass	6.16	4.02	4.02	10.84
5710MHz Straddle 5.725-5.85GHz	Pass	6.16	1.86	1.86	29.84
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5290MHz	Pass	6.16	-2.28	-2.28	10.84
5530MHz	Pass	6.16	-2.82	-2.82	10.84
5610MHz	Pass	6.16	1.25	1.25	10.84
5690MHz Straddle 5.47-5.725GHz	Pass	6.16	1.44	1.44	10.84
5690MHz Straddle 5.725-5.85GHz	Pass	6.16	-1.49	-1.49	29.84
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.16	-6.39	-6.39	16.84
5250MHz Straddle 5.25-5.35GHz	Pass	6.16	-6.42	-6.42	10.84
5570MHz	Pass	6.16	-5.86	-5.86	10.84

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

5320MHz

PSD
19/04/2019

CF
5.32GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

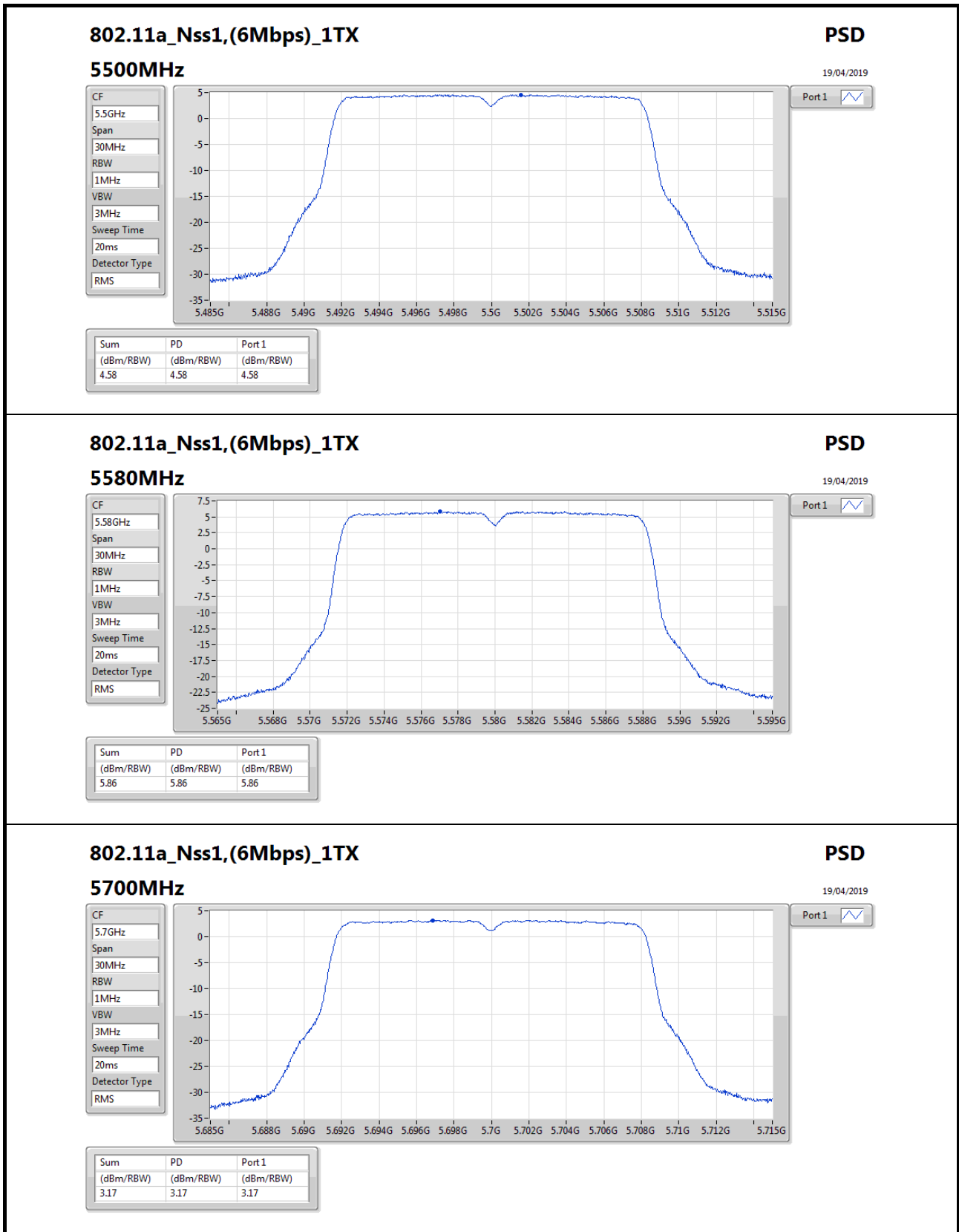
Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.24	6.24	6.24



802.11a_Nss1,(6Mbps)_1TX

5700MHz

PSD
19/04/2019

CF
5.7GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

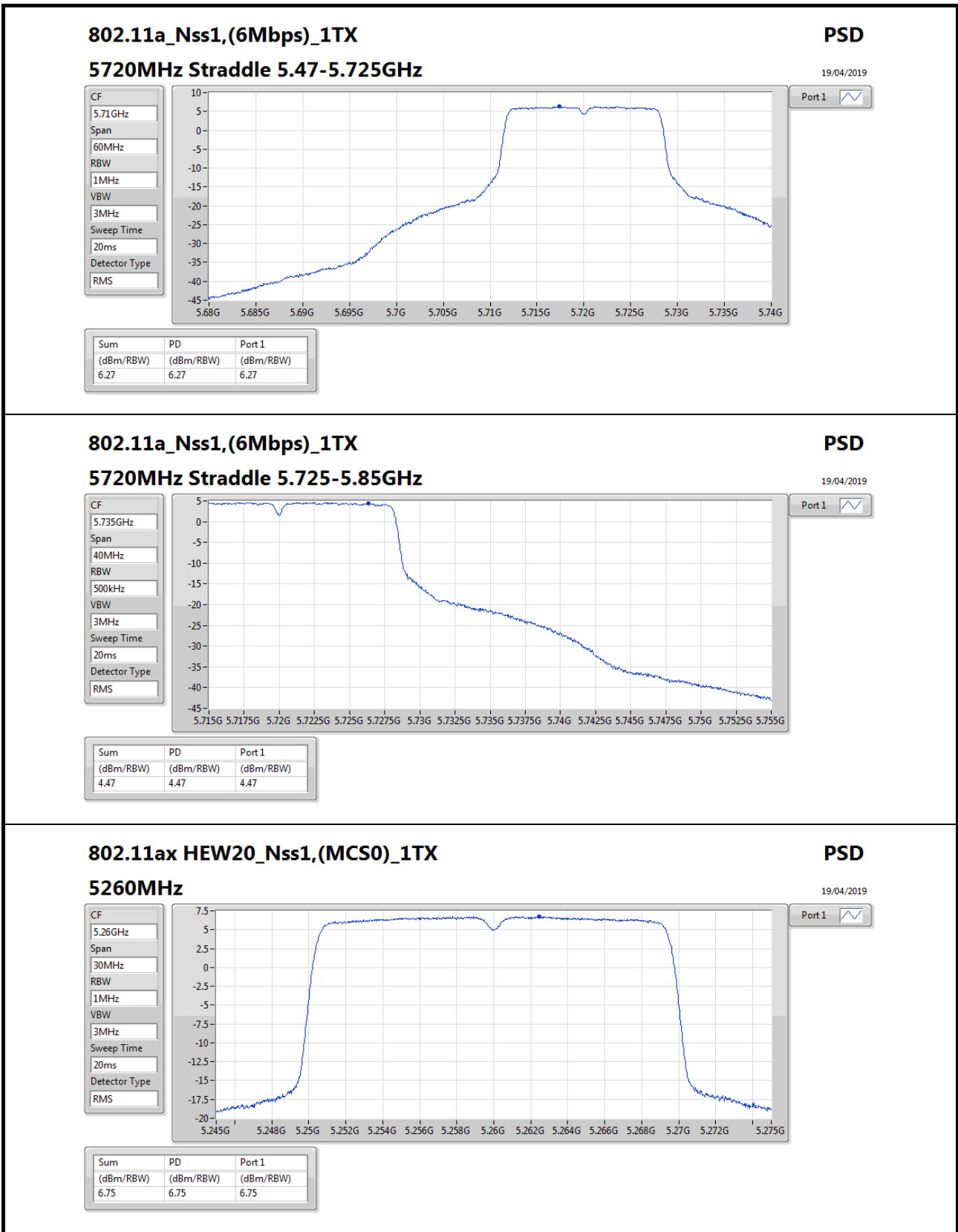
Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.17	3.17	3.17



802.11ax HEW20_Nss1,(MCS0)_1TX

5260MHz

PSD
19/04/2019

CF
5.26GHz

Span
30MHz

RBW
1MHz

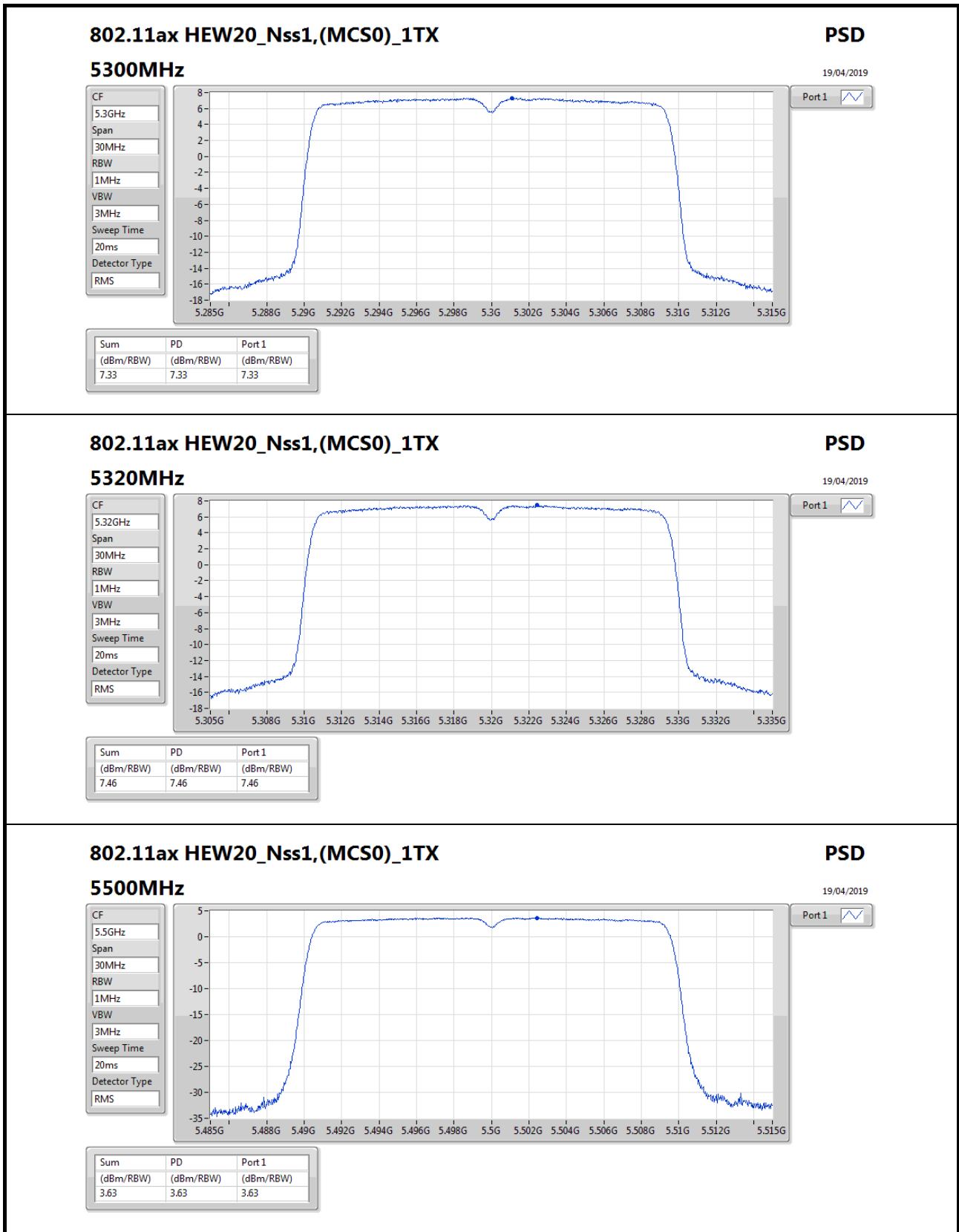
VBW
3MHz

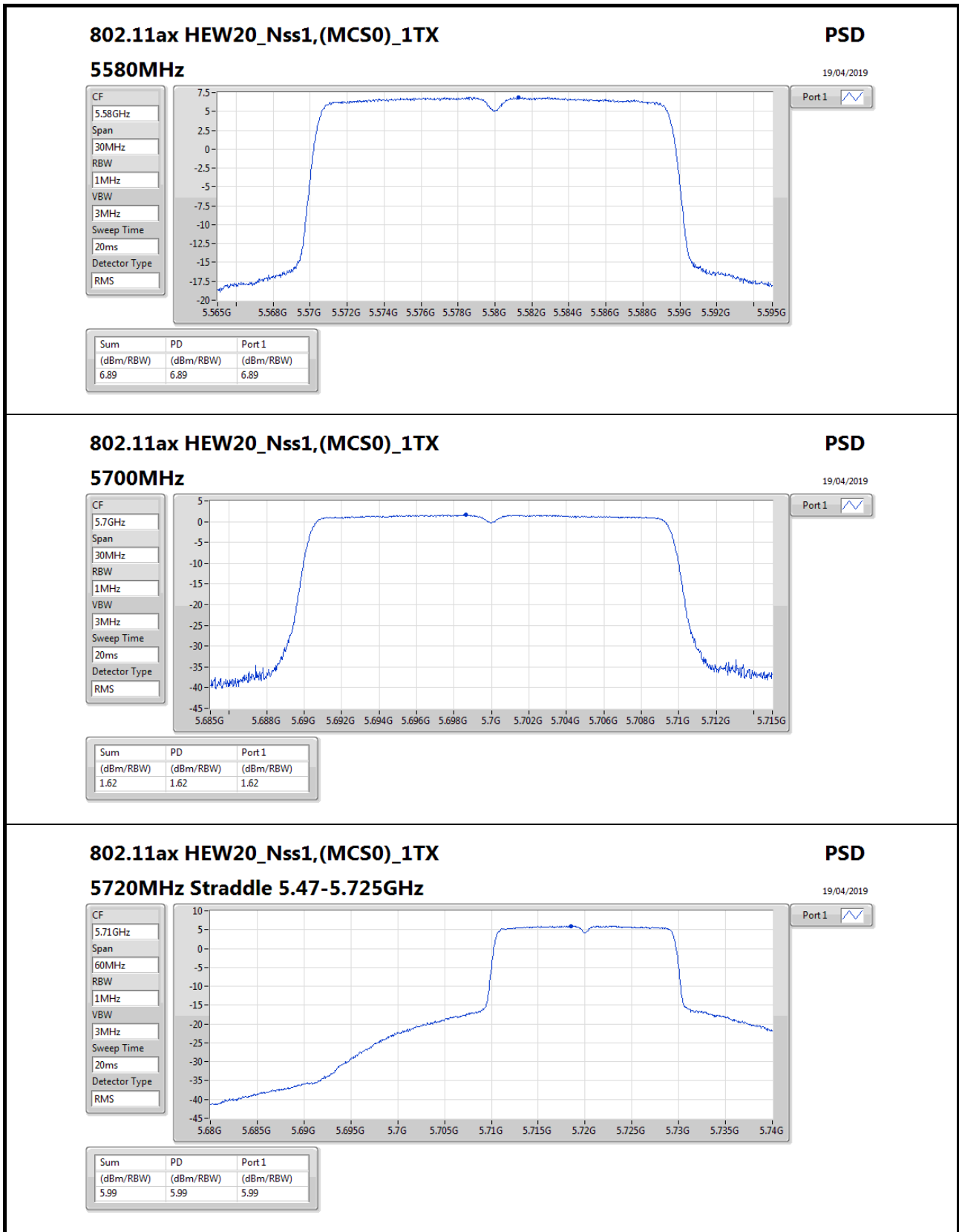
Sweep Time
20ms

Detector Type
RMS

Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.75	6.75	6.75





802.11ax HEW20_Nss1,(MCS0)_1TX

5720MHz Straddle 5.47-5.725GHz

PSD
19/04/2019

CF
5.71GHz

Span
60MHz

RBW
1MHz

VBW
3MHz

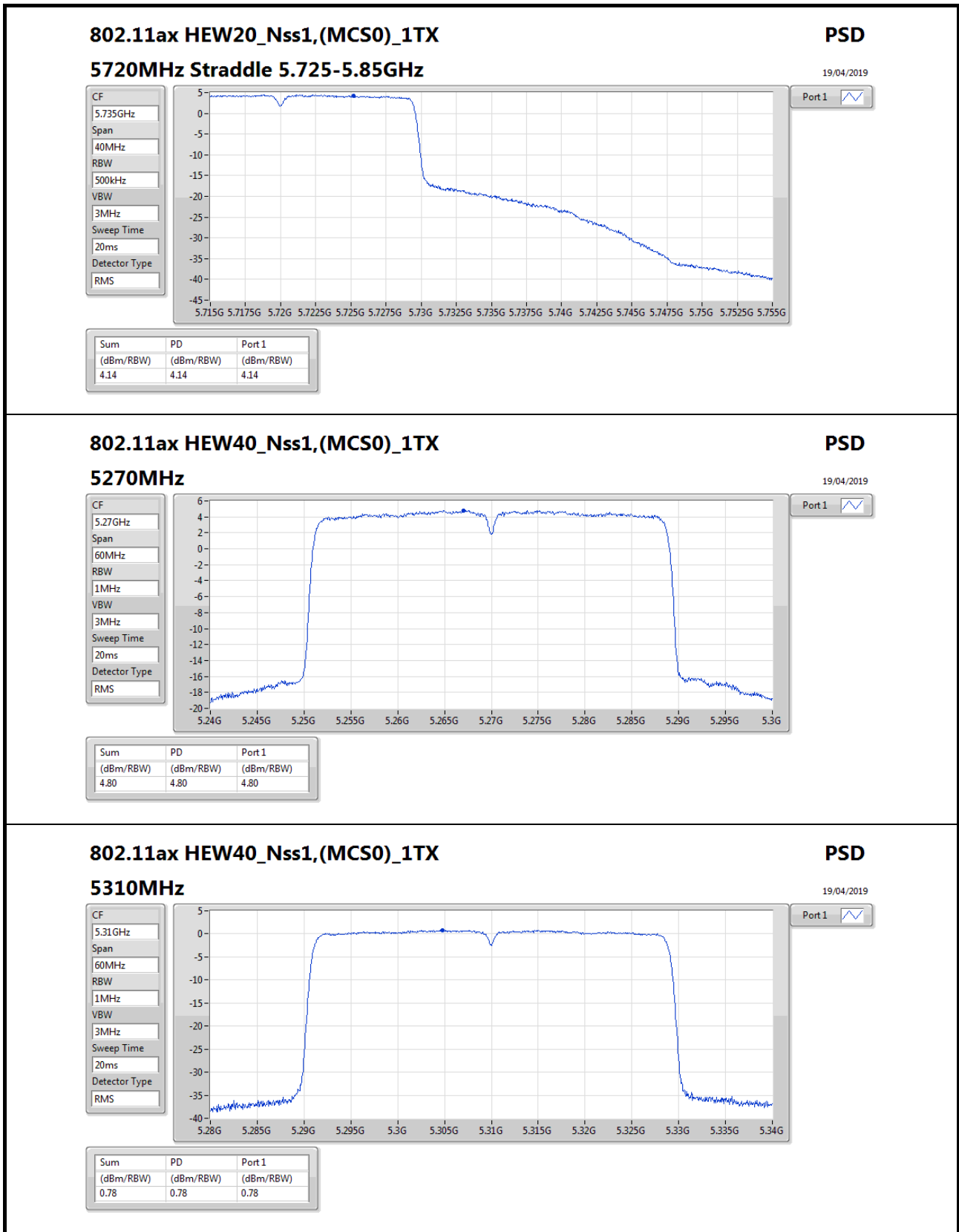
Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.99	5.99	5.99



802.11ax HEW40_Nss1,(MCS0)_1TX

5310MHz

PSD
19/04/2019

CF
5.31GHz

Span
60MHz

RBW
1MHz

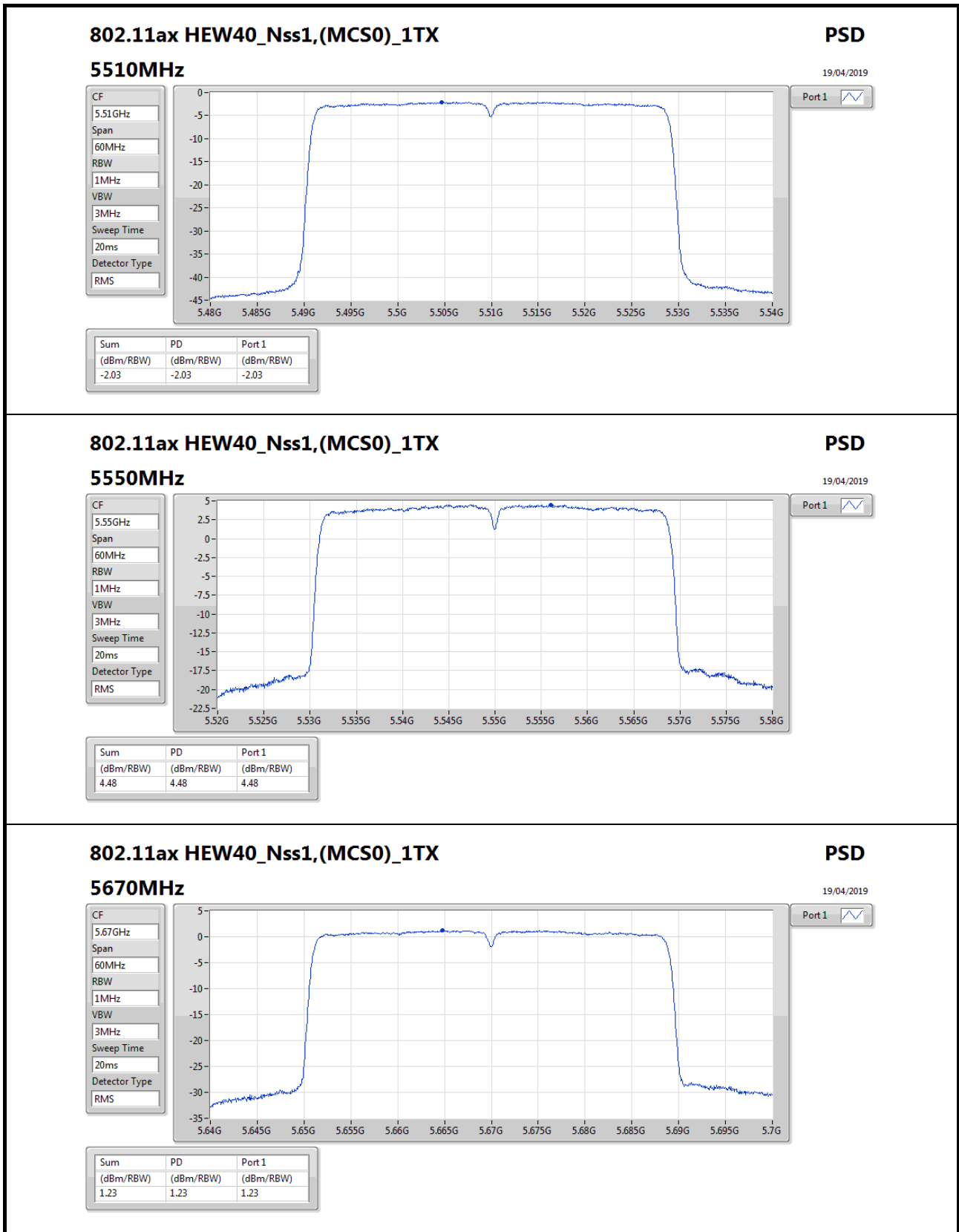
VBW
3MHz

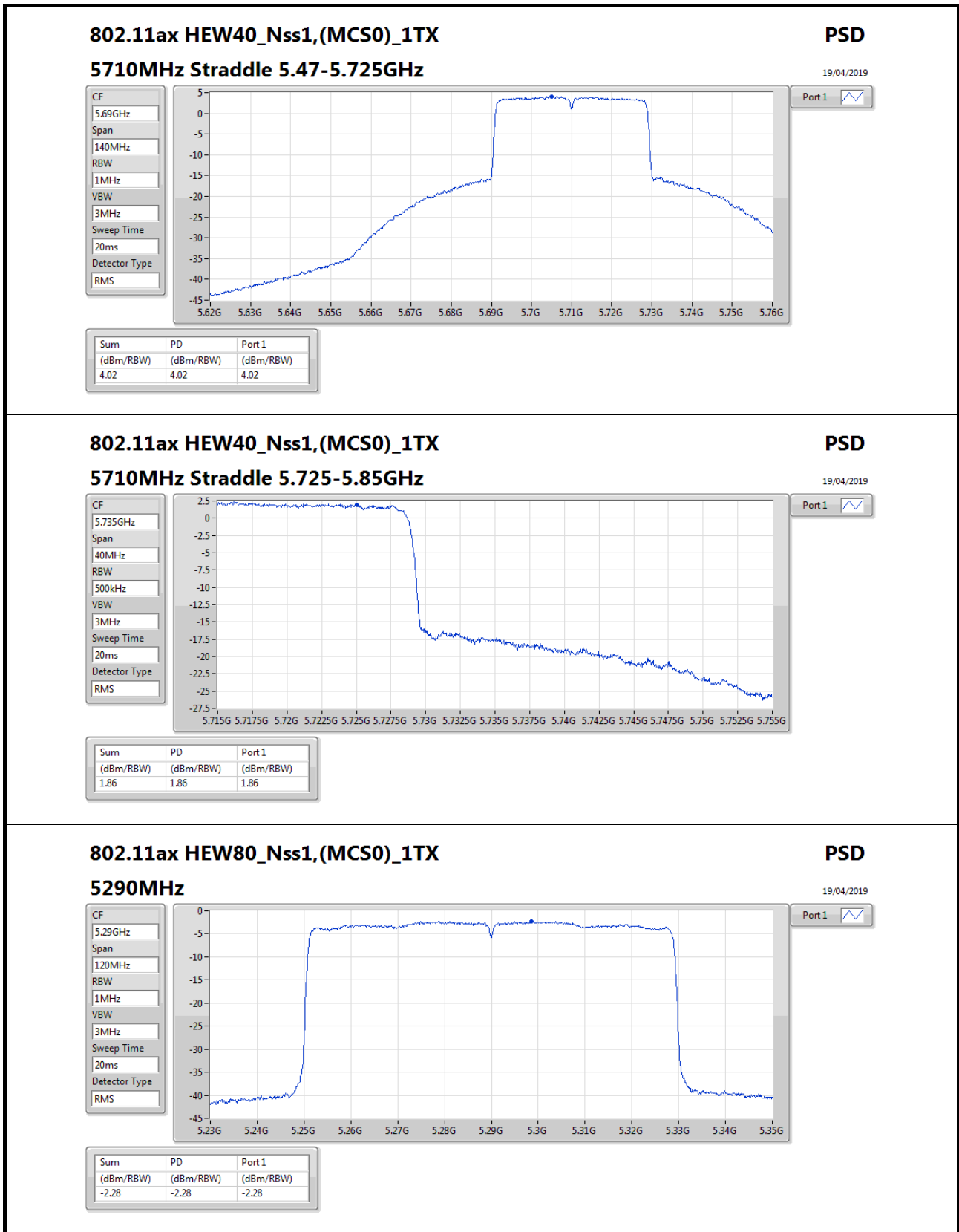
Sweep Time
20ms

Detector Type
RMS

Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.78	0.78	0.78





802.11ax HEW80_Nss1,(MCS0)_1TX

5290MHz

PSD

19/04/2019

CF

5.29GHz

Span

120MHz

RBW

1MHz

VBW

3MHz

Sweep Time

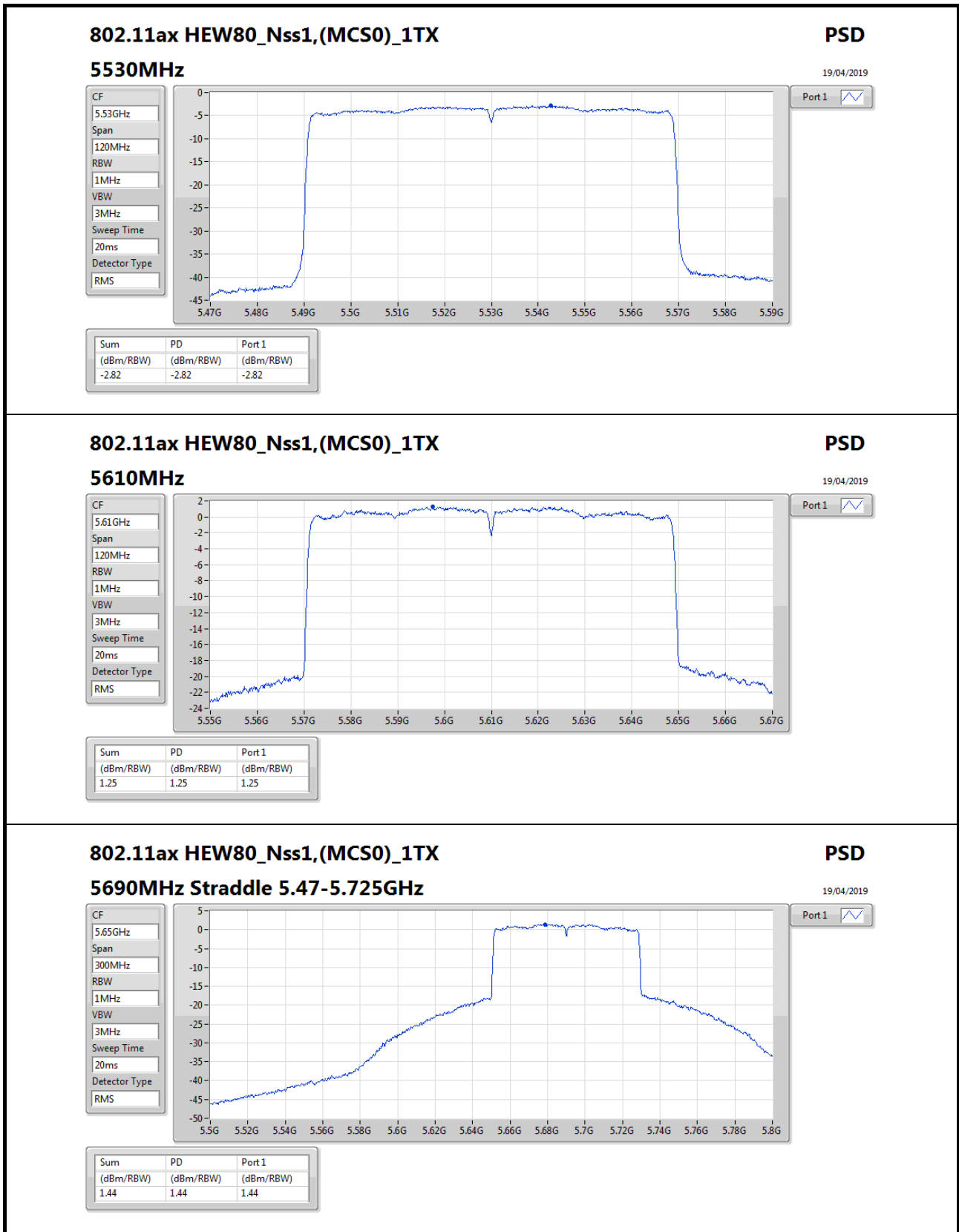
20ms

Detector Type

RMS

Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.28	-2.28	-2.28



802.11ax HEW80_Nss1,(MCS0)_1TX

5690MHz Straddle 5.47-5.725GHz

PSD
19/04/2019

CF
5.65GHz

Span
300MHz

RBW
1MHz

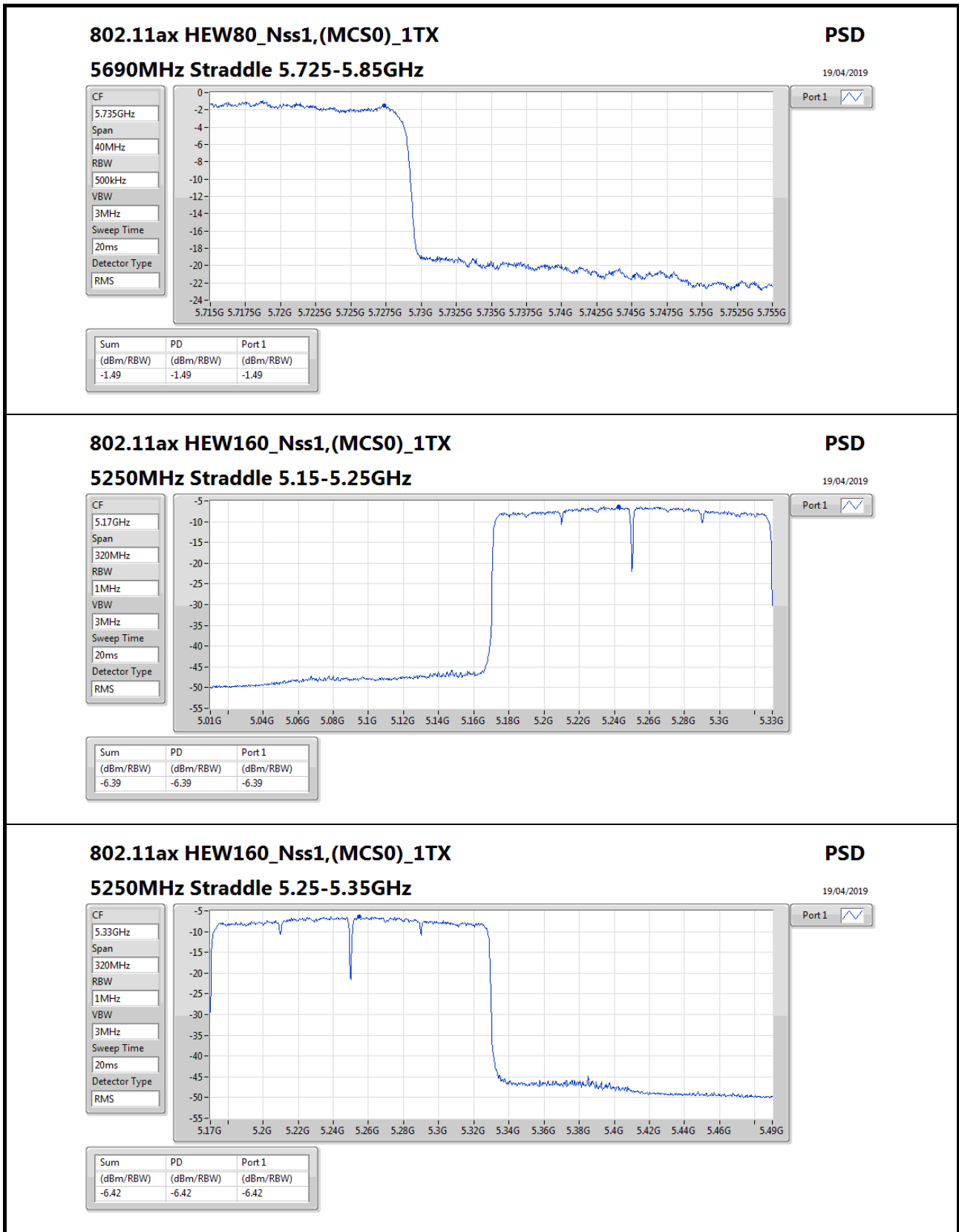
VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.44	1.44	1.44



802.11ax HEW160_Nss1,(MCS0)_1TX

5250MHz Straddle 5.25-5.35GHz

PSD
19/04/2019

CF
5.33GHz

Span
320MHz

RBW
1MHz

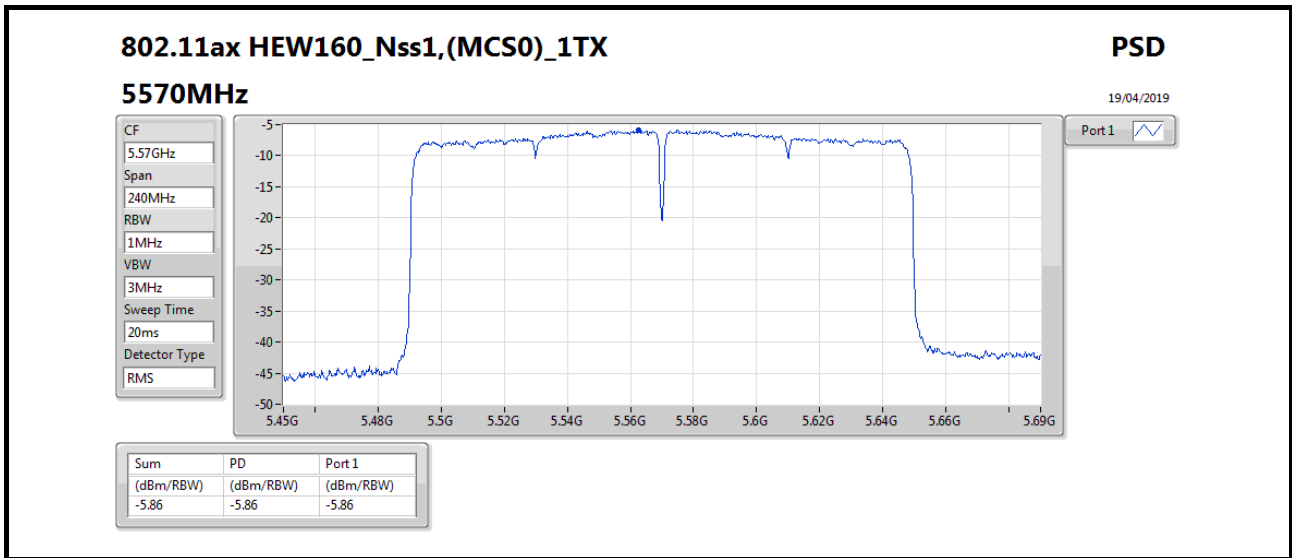
VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.42	-6.42	-6.42





**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss2,(MCS0)_2TX	-4.60
5.25-5.35GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	10.09
802.11ax HEW40_Nss2,(MCS0)_2TX	7.34
802.11ax HEW80_Nss2,(MCS0)_2TX	-0.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-4.12
5.47-5.725GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	9.84
802.11ax HEW40_Nss2,(MCS0)_2TX	7.43
802.11ax HEW80_Nss2,(MCS0)_2TX	4.60
802.11ax HEW160_Nss2,(MCS0)_2TX	-3.80
5.725-5.85GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	7.17
802.11ax HEW40_Nss2,(MCS0)_2TX	4.68
802.11ax HEW80_Nss2,(MCS0)_2TX	1.67

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

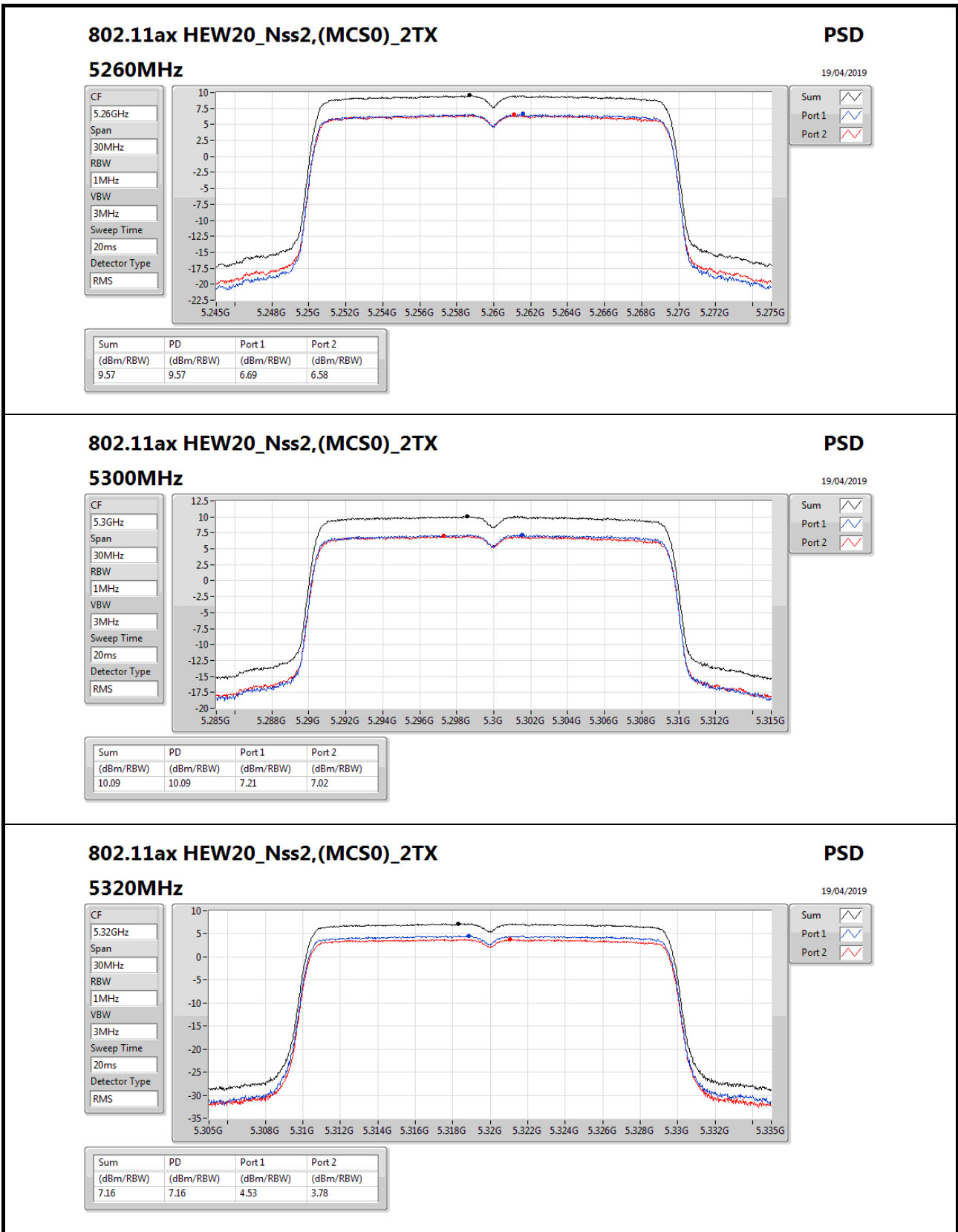


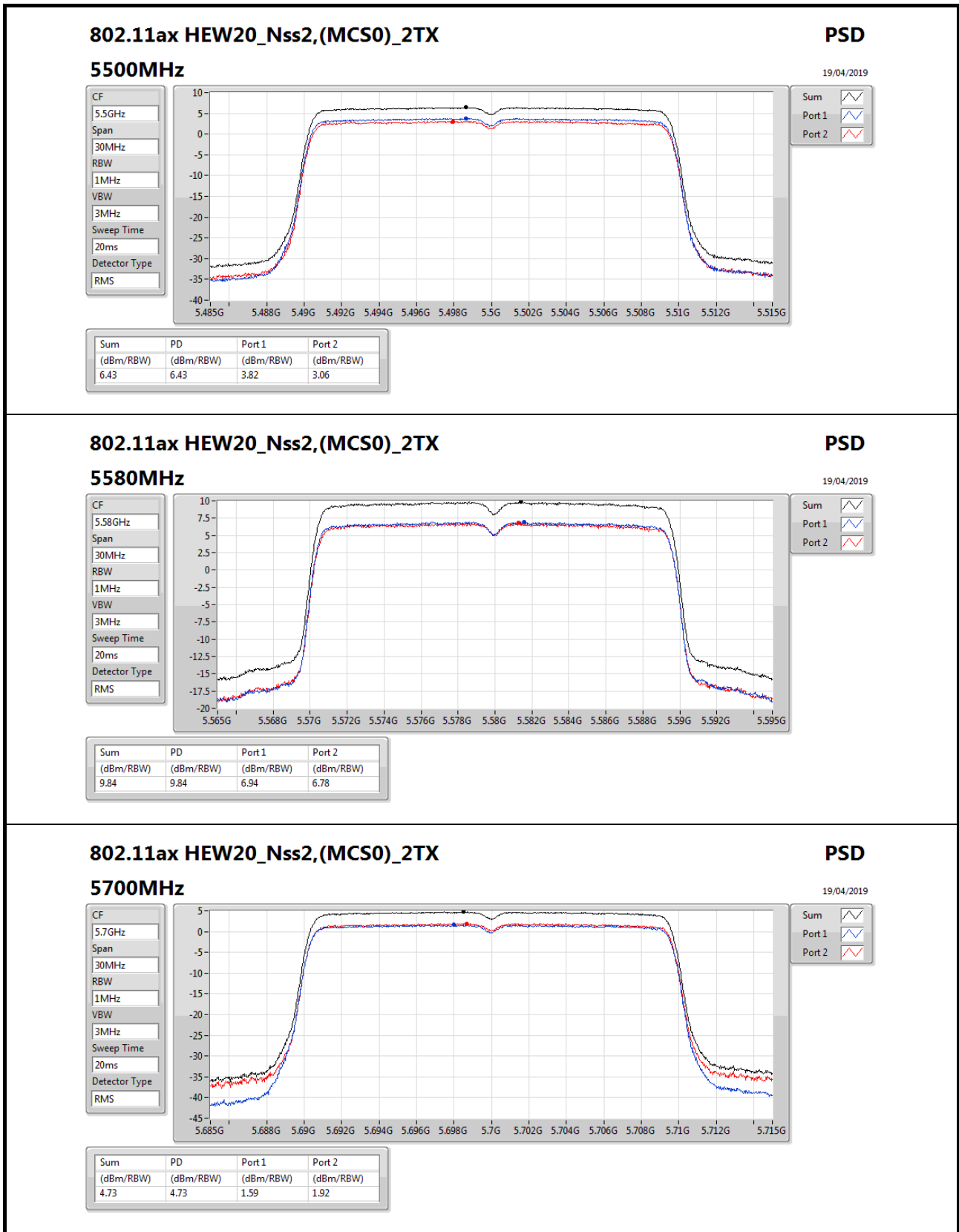
Result

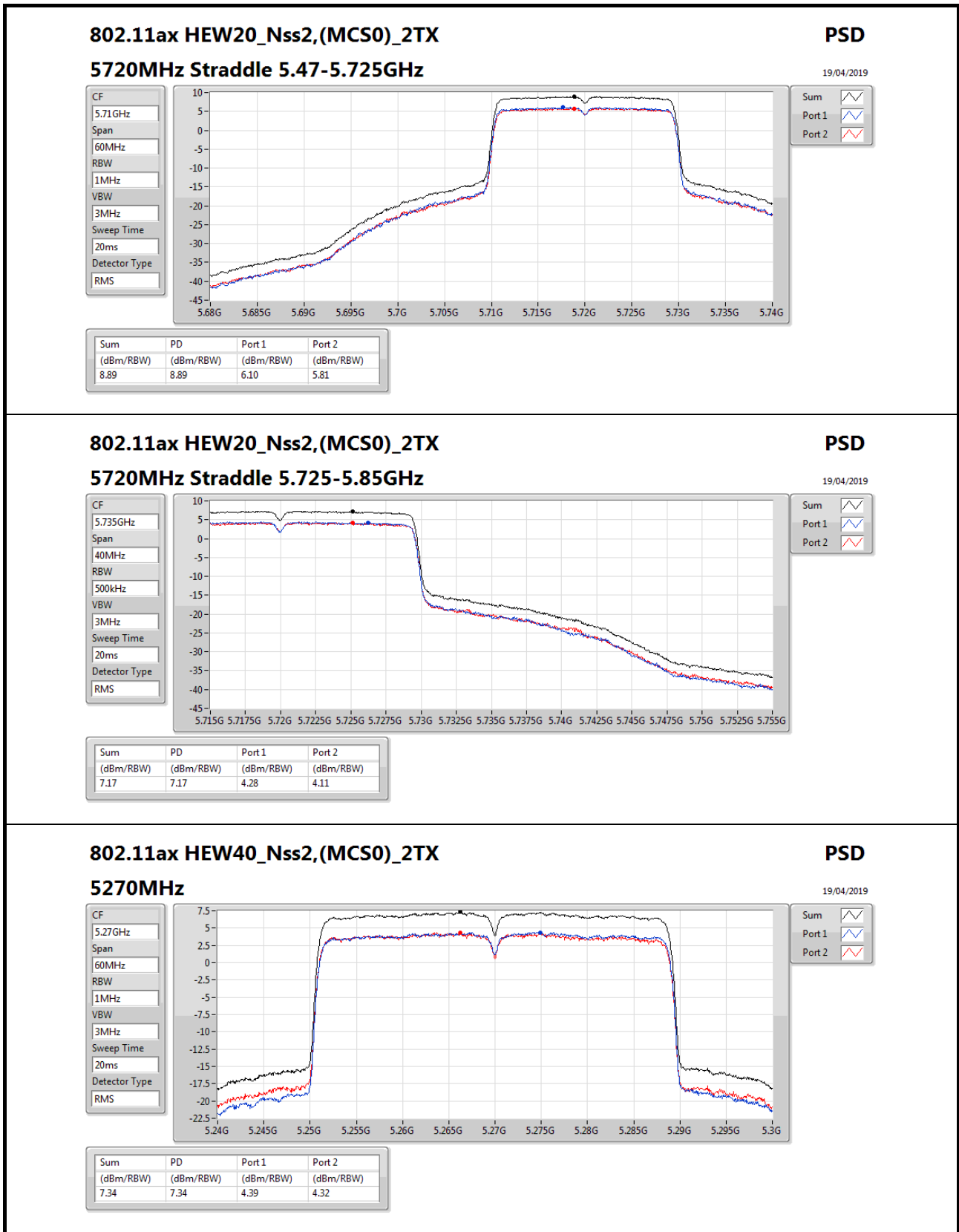
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	6.16	6.69	6.58	9.57	10.84
5300MHz	Pass	6.16	7.21	7.02	10.09	10.84
5320MHz	Pass	6.16	4.53	3.78	7.16	10.84
5500MHz	Pass	6.16	3.82	3.06	6.43	10.84
5580MHz	Pass	6.16	6.94	6.78	9.84	10.84
5700MHz	Pass	6.16	1.59	1.92	4.73	10.84
5720MHz Straddle 5.47-5.725GHz	Pass	6.16	6.10	5.81	8.89	10.84
5720MHz Straddle 5.725-5.85GHz	Pass	6.16	4.28	4.11	7.17	29.84
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	6.16	4.39	4.32	7.34	10.84
5310MHz	Pass	6.16	-0.87	-1.16	1.97	10.84
5510MHz	Pass	6.16	-3.27	-3.63	-0.49	10.84
5550MHz	Pass	6.16	4.43	4.55	7.43	10.84
5670MHz	Pass	6.16	0.75	1.11	3.88	10.84
5710MHz Straddle 5.47-5.725GHz	Pass	6.16	4.09	3.81	6.90	10.84
5710MHz Straddle 5.725-5.85GHz	Pass	6.16	1.83	1.66	4.68	29.84
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	6.16	-3.04	-2.86	-0.00	10.84
5530MHz	Pass	6.16	-3.40	-3.61	-0.55	10.84
5610MHz	Pass	6.16	0.79	0.56	3.62	10.84
5690MHz Straddle 5.47-5.725GHz	Pass	6.16	1.79	1.56	4.60	10.84
5690MHz Straddle 5.725-5.85GHz	Pass	6.16	-1.33	-1.35	1.67	29.84
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.16	-7.34	-7.62	-4.60	16.84
5250MHz Straddle 5.25-5.35GHz	Pass	6.16	-6.76	-7.33	-4.12	10.84
5570MHz	Pass	6.16	-6.66	-6.82	-3.80	10.84

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 HEW40_Nss2,(MCS0)_2TX

5270MHz

PSD
19/04/2019

CF
5.27GHz

Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

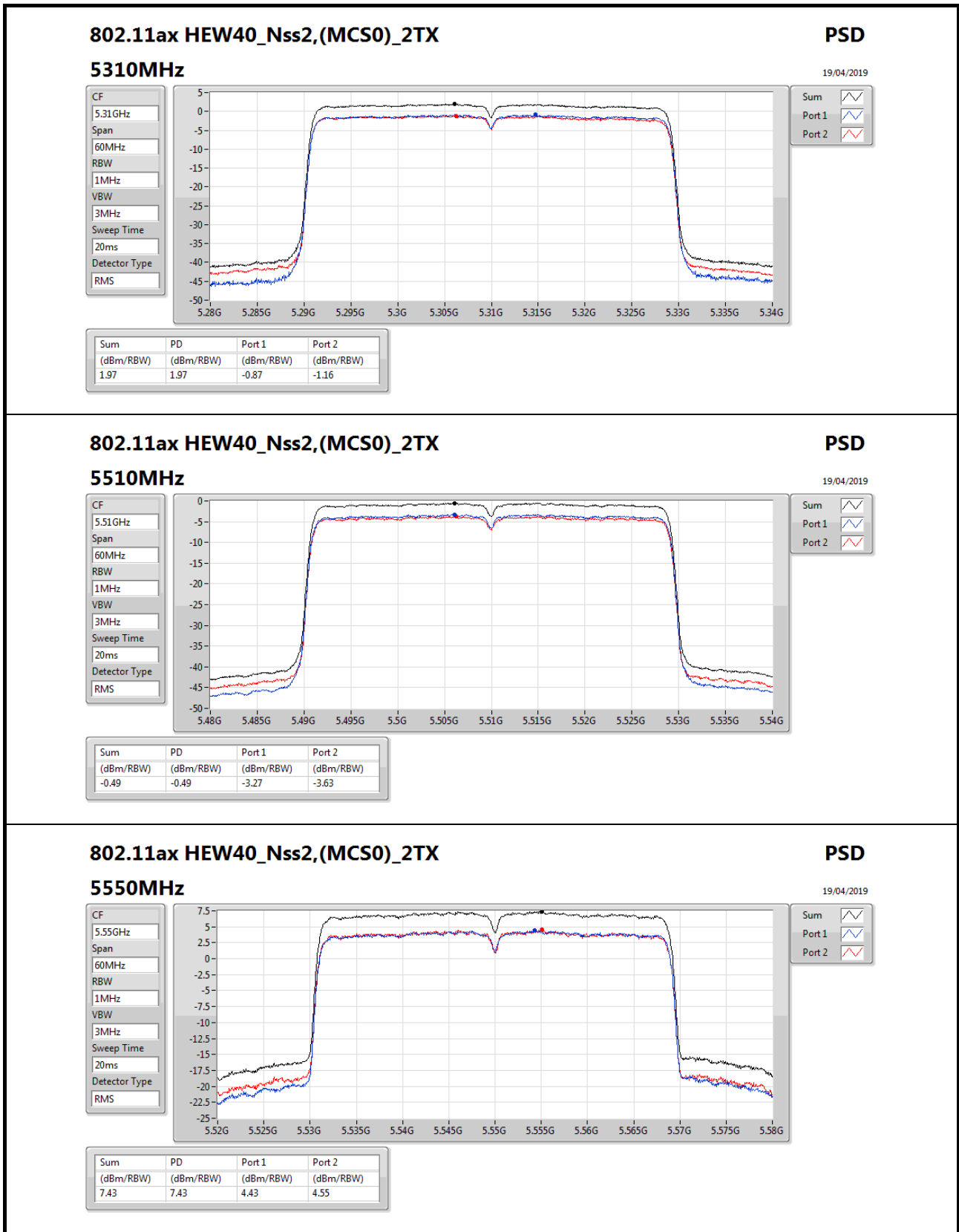
Detector Type
RMS

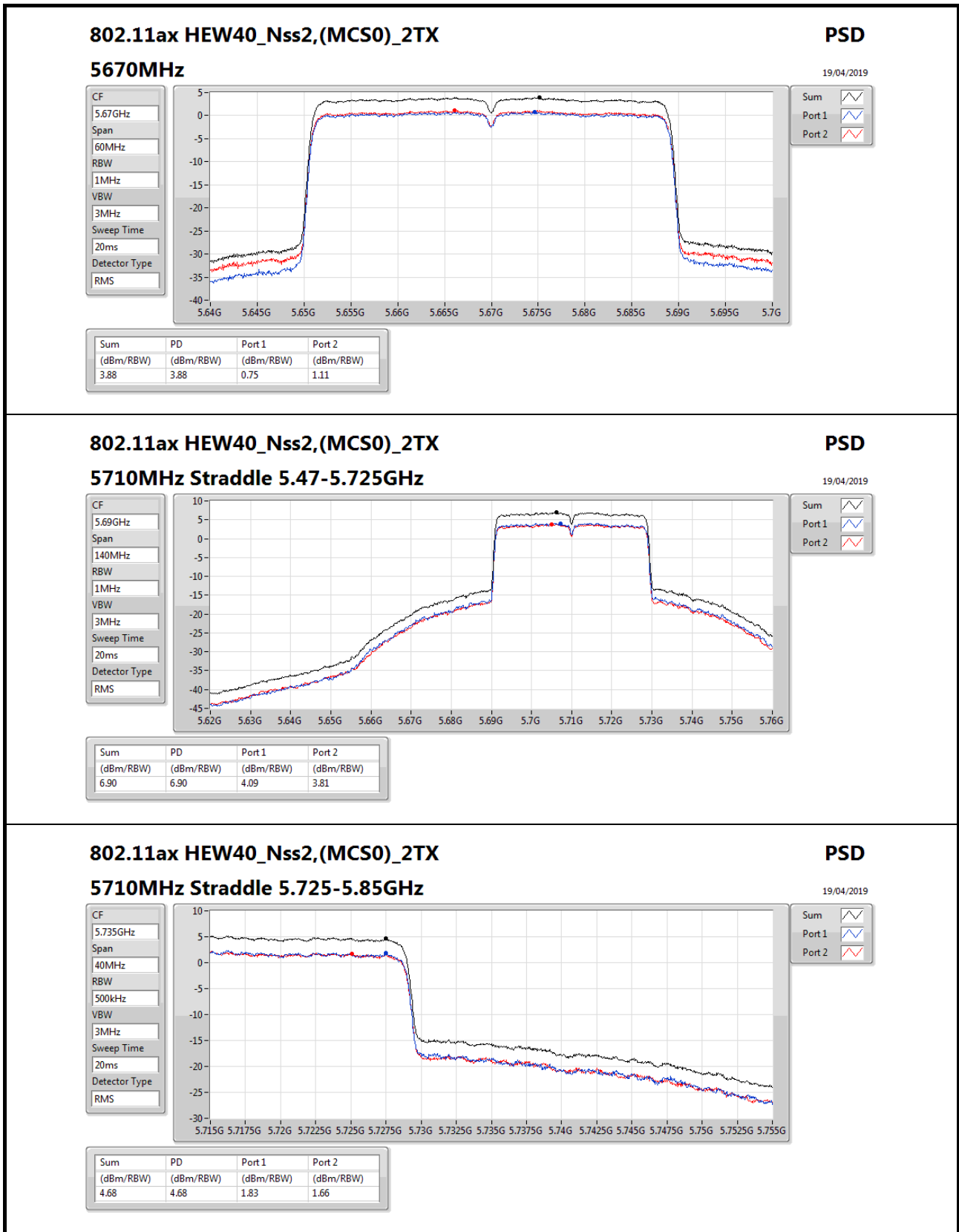
Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.34	7.34	4.39	4.32





802.11ax HEW40_Nss2,(MCS0)_2TX

5710MHz Straddle 5.725-5.85GHz

PSD
19/04/2019

CF
5.735GHz

Span
40MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

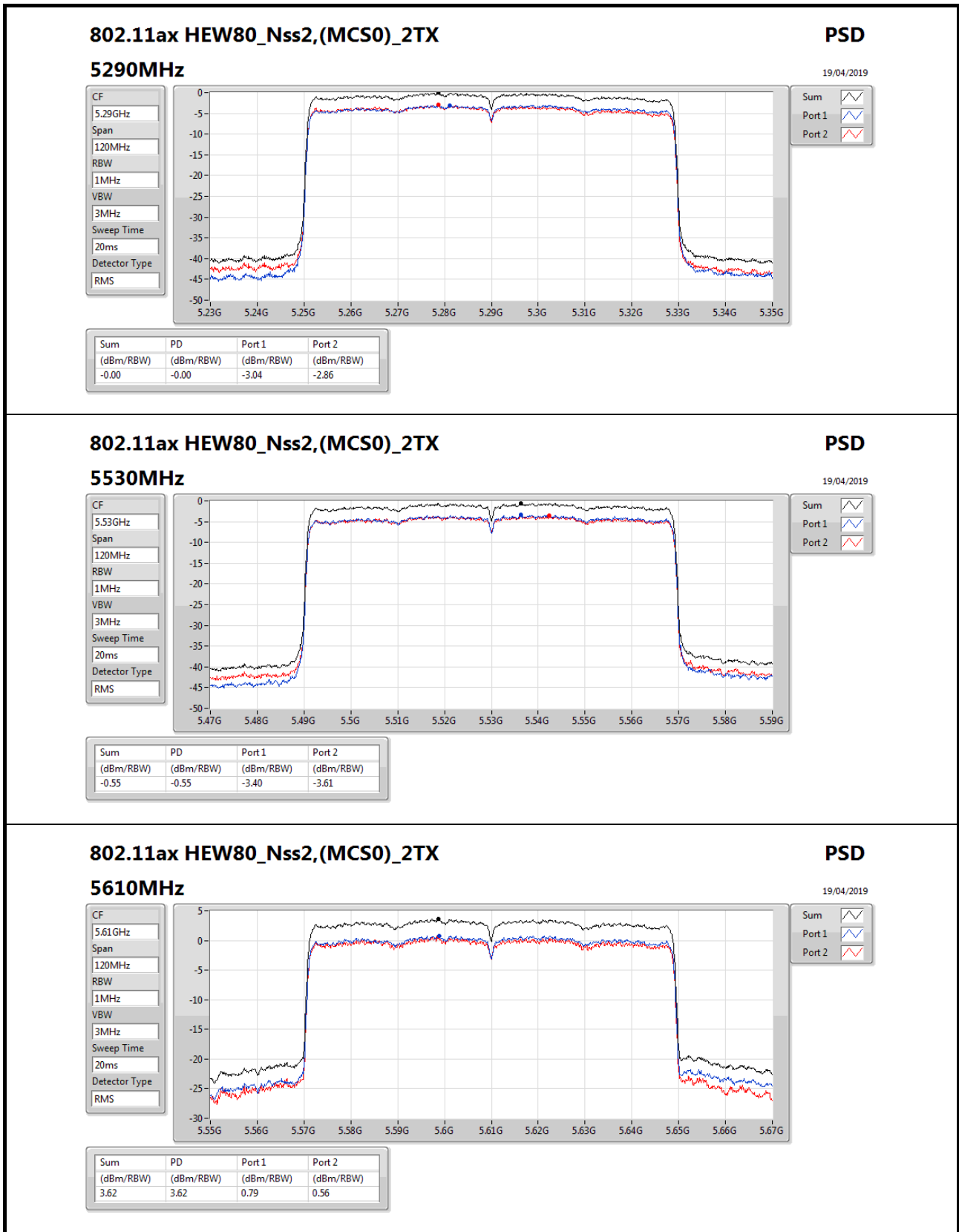
Detector Type
RMS

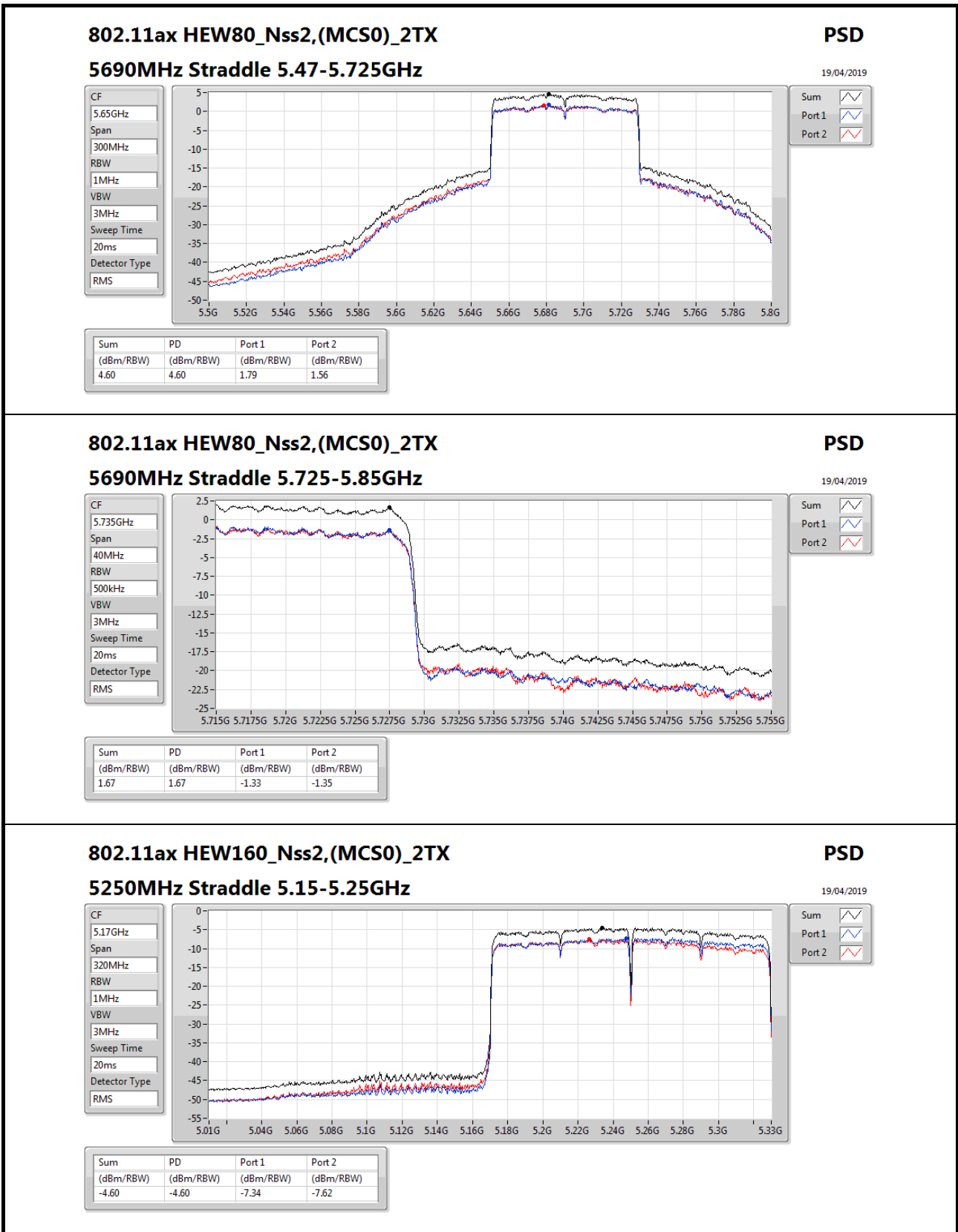
Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.68	4.68	1.83	1.66





802.11ax HEW160_Nss2,(MCS0)_2TX

5250MHz Straddle 5.15-5.25GHz

PSD

19/04/2019

CF
5.17GHz

Span
320MHz

RBW
1MHz

VBW
3MHz

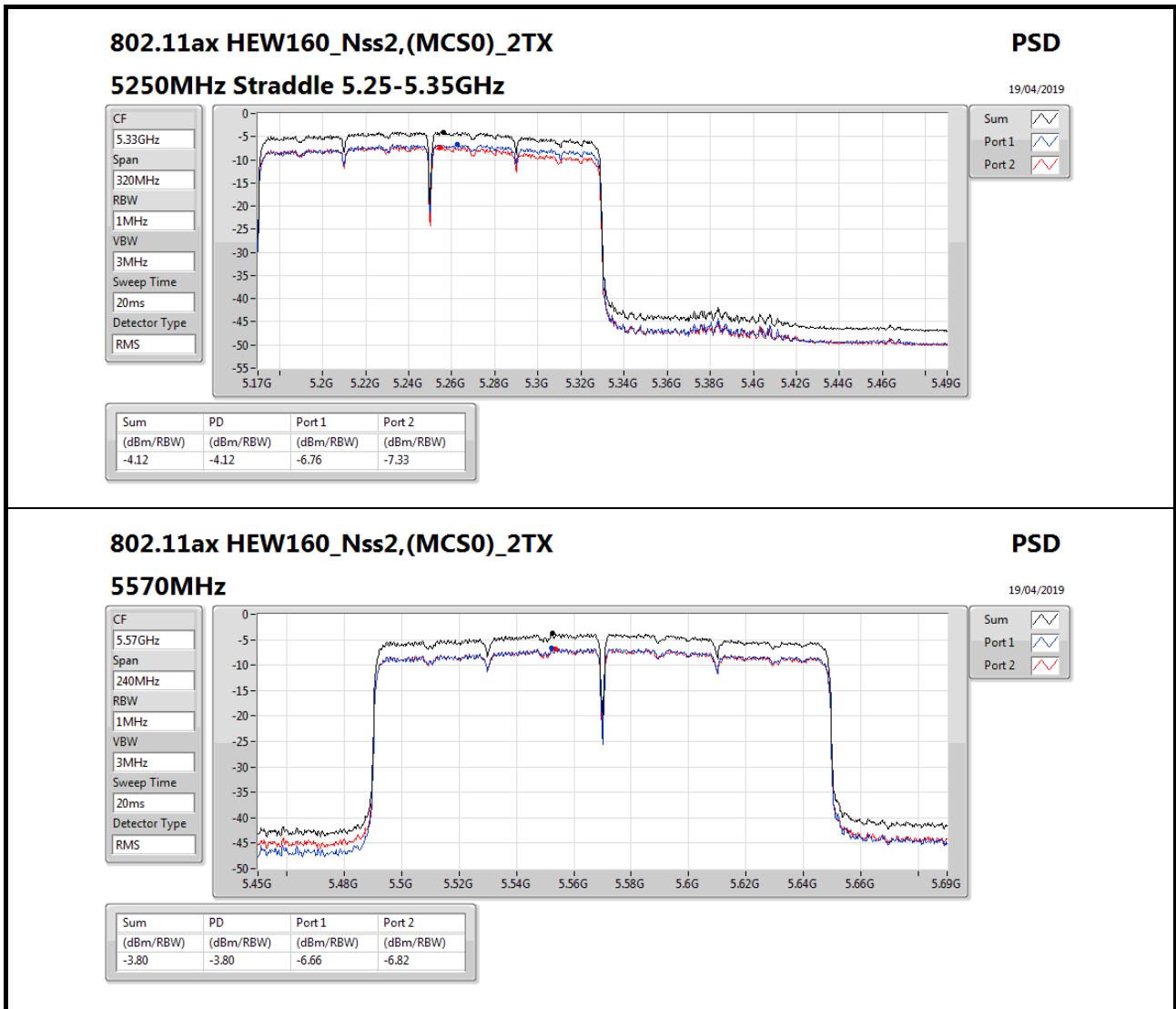
Sweep Time
20ms

Detector Type
RMS

Sum

Port 1

Port 2





**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss1,(MCS0)_4TX	-2.82
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	4.72
802.11ax HEW20_Nss1,(MCS0)_4TX	4.64
802.11ax HEW40_Nss1,(MCS0)_4TX	4.65
802.11ax HEW80_Nss1,(MCS0)_4TX	1.69
802.11ax HEW160_Nss1,(MCS0)_4TX	-2.59
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	4.75
802.11ax HEW20_Nss1,(MCS0)_4TX	4.73
802.11ax HEW40_Nss1,(MCS0)_4TX	4.80
802.11ax HEW80_Nss1,(MCS0)_4TX	4.74
802.11ax HEW160_Nss1,(MCS0)_4TX	-1.34
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	2.73
802.11ax HEW20_Nss1,(MCS0)_4TX	2.75
802.11ax HEW40_Nss1,(MCS0)_4TX	2.47
802.11ax HEW80_Nss1,(MCS0)_4TX	1.54

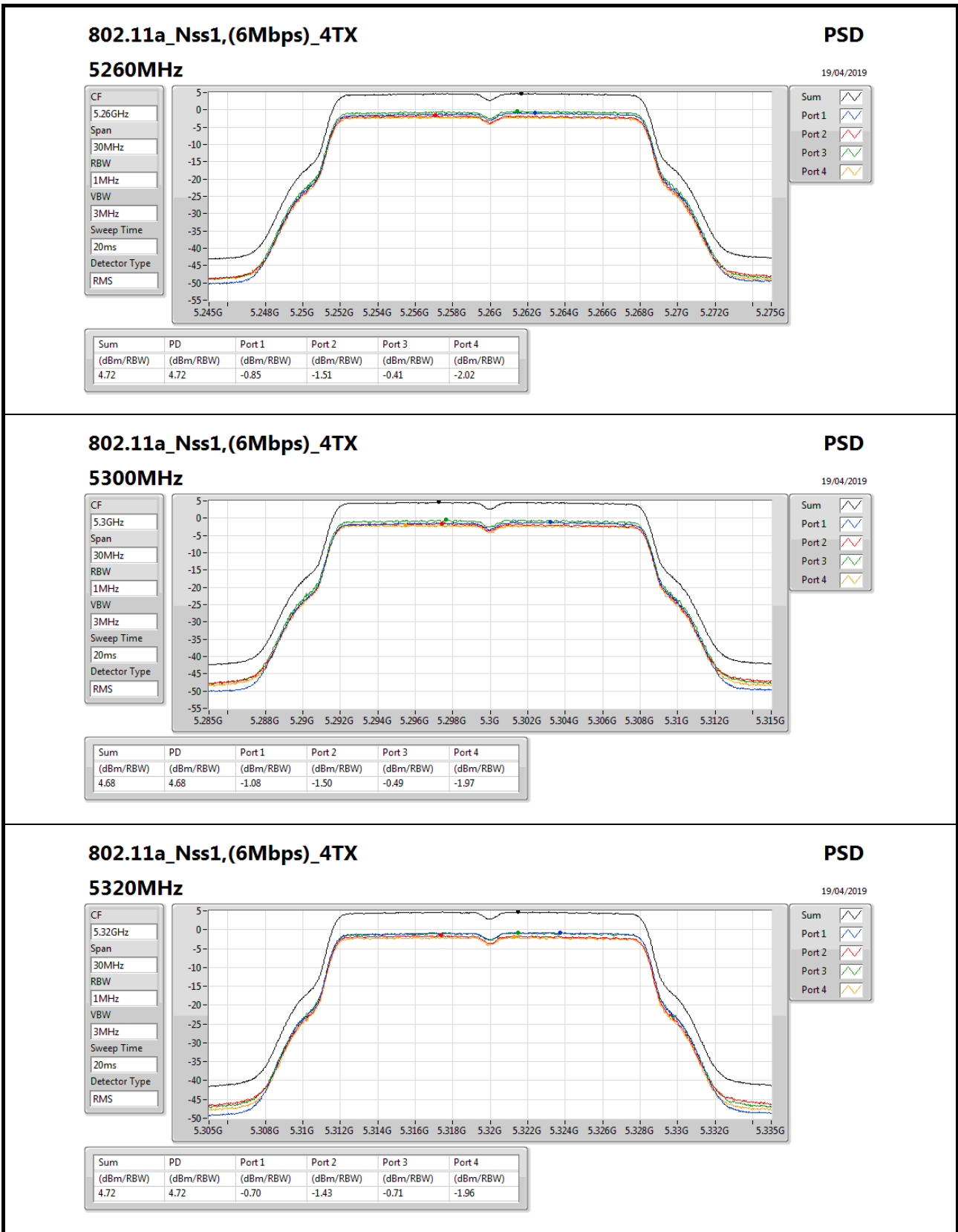
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

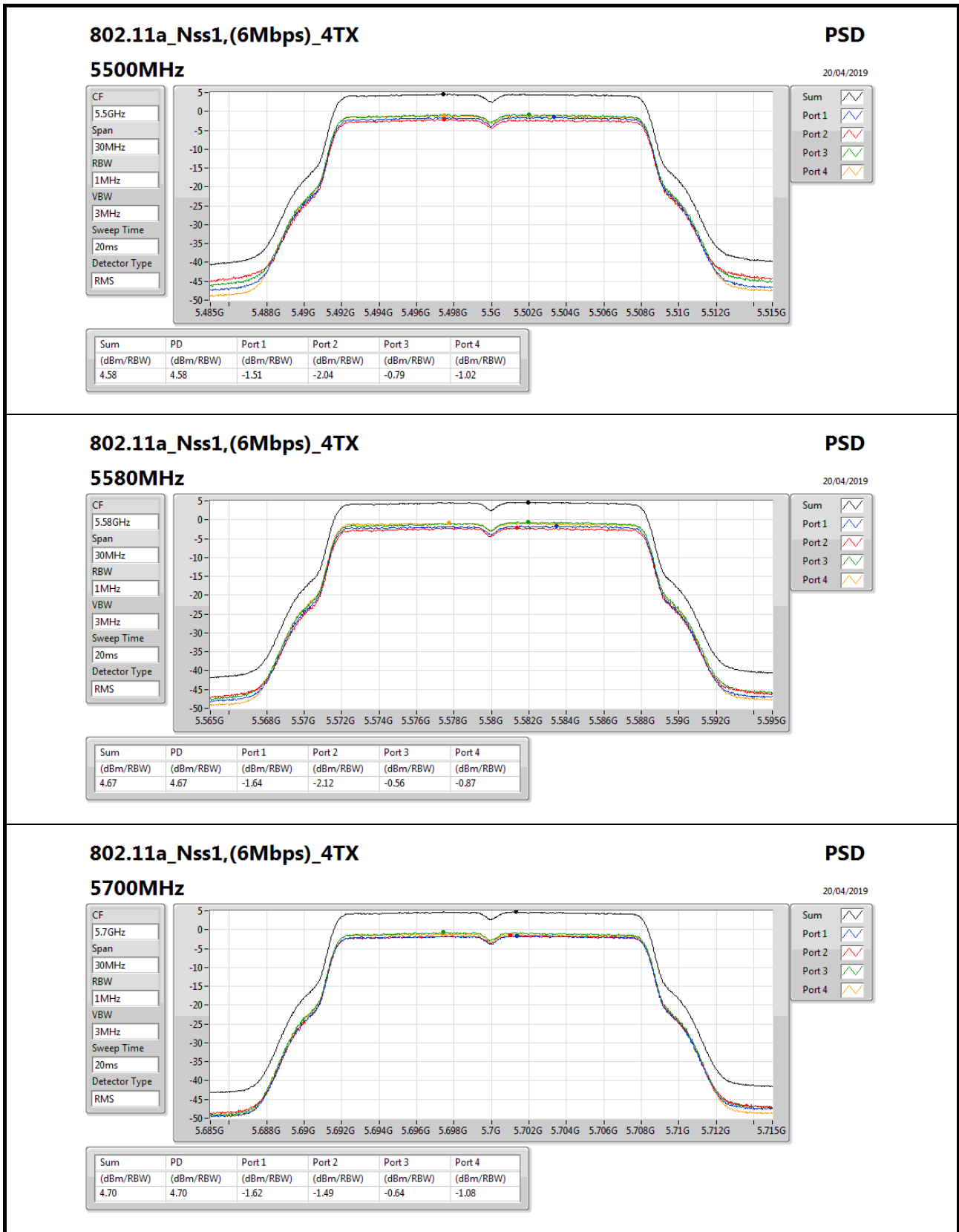


Result

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	-	-	-	-	-	-	-	-
5260MHz	Pass	12.18	-0.85	-1.51	-0.41	-2.02	4.72	4.82
5300MHz	Pass	12.18	-1.08	-1.50	-0.49	-1.97	4.68	4.82
5320MHz	Pass	12.18	-0.70	-1.43	-0.71	-1.96	4.72	4.82
5500MHz	Pass	12.18	-1.51	-2.04	-0.79	-1.02	4.58	4.82
5580MHz	Pass	12.18	-1.64	-2.12	-0.56	-0.87	4.67	4.82
5700MHz	Pass	12.18	-1.62	-1.49	-0.64	-1.08	4.70	4.82
5720MHz Straddle 5.47-5.725GHz	Pass	12.18	-1.47	-1.52	-0.60	-1.06	4.75	4.82
5720MHz Straddle 5.725-5.85GHz	Pass	12.18	-3.33	-3.50	-2.93	-3.07	2.73	23.82
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	12.18	-0.86	-1.79	-0.86	-1.76	4.62	4.82
5300MHz	Pass	12.18	-1.04	-1.50	-0.66	-2.19	4.59	4.82
5320MHz	Pass	12.18	-1.01	-1.41	-0.62	-2.11	4.64	4.82
5500MHz	Pass	12.18	-1.71	-1.98	-0.62	-1.09	4.64	4.82
5580MHz	Pass	12.18	-1.81	-2.22	-0.30	-0.79	4.73	4.82
5700MHz	Pass	12.18	-2.73	-2.85	-2.36	-2.08	3.41	4.82
5720MHz Straddle 5.47-5.725GHz	Pass	12.18	-1.43	-1.60	-1.09	-0.85	4.65	4.82
5720MHz Straddle 5.725-5.85GHz	Pass	12.18	-3.43	-3.53	-2.82	-2.99	2.75	23.82
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	12.18	-1.23	-1.35	-0.85	-1.57	4.65	4.82
5310MHz	Pass	12.18	-1.17	-1.27	-1.18	-1.50	4.65	4.82
5510MHz	Pass	12.18	-2.45	-3.19	-2.14	-1.83	3.55	4.82
5550MHz	Pass	12.18	-1.41	-1.64	-1.08	-0.73	4.69	4.82
5670MHz	Pass	12.18	-1.63	-2.03	-0.50	-0.50	4.80	4.82
5710MHz Straddle 5.47-5.725GHz	Pass	12.18	-2.05	-2.17	-0.59	-0.62	4.70	4.82
5710MHz Straddle 5.725-5.85GHz	Pass	12.18	-4.32	-3.92	-2.93	-3.13	2.47	23.82
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	12.18	-4.13	-4.68	-3.67	-4.61	1.69	4.82
5530MHz	Pass	12.18	-4.70	-5.00	-3.84	-4.02	1.51	4.82
5610MHz	Pass	12.18	-2.19	-2.04	-1.80	-1.53	4.01	4.82
5690MHz Straddle 5.47-5.725GHz	Pass	12.18	-1.58	-1.82	-1.05	-0.71	4.74	4.82
5690MHz Straddle 5.725-5.85GHz	Pass	12.18	-4.78	-4.47	-4.36	-4.05	1.54	23.82
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	12.18	-8.88	-8.89	-8.28	-8.81	-2.82	10.82
5250MHz Straddle 5.25-5.35GHz	Pass	12.18	-8.57	-9.13	-8.06	-8.50	-2.59	4.82
5570MHz	Pass	12.18	-7.57	-7.48	-7.21	-6.94	-1.34	4.82

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;





802.11a_Nss1,(6Mbps)_4TX

5700MHz

PSD

20/04/2019

CF
5.7GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

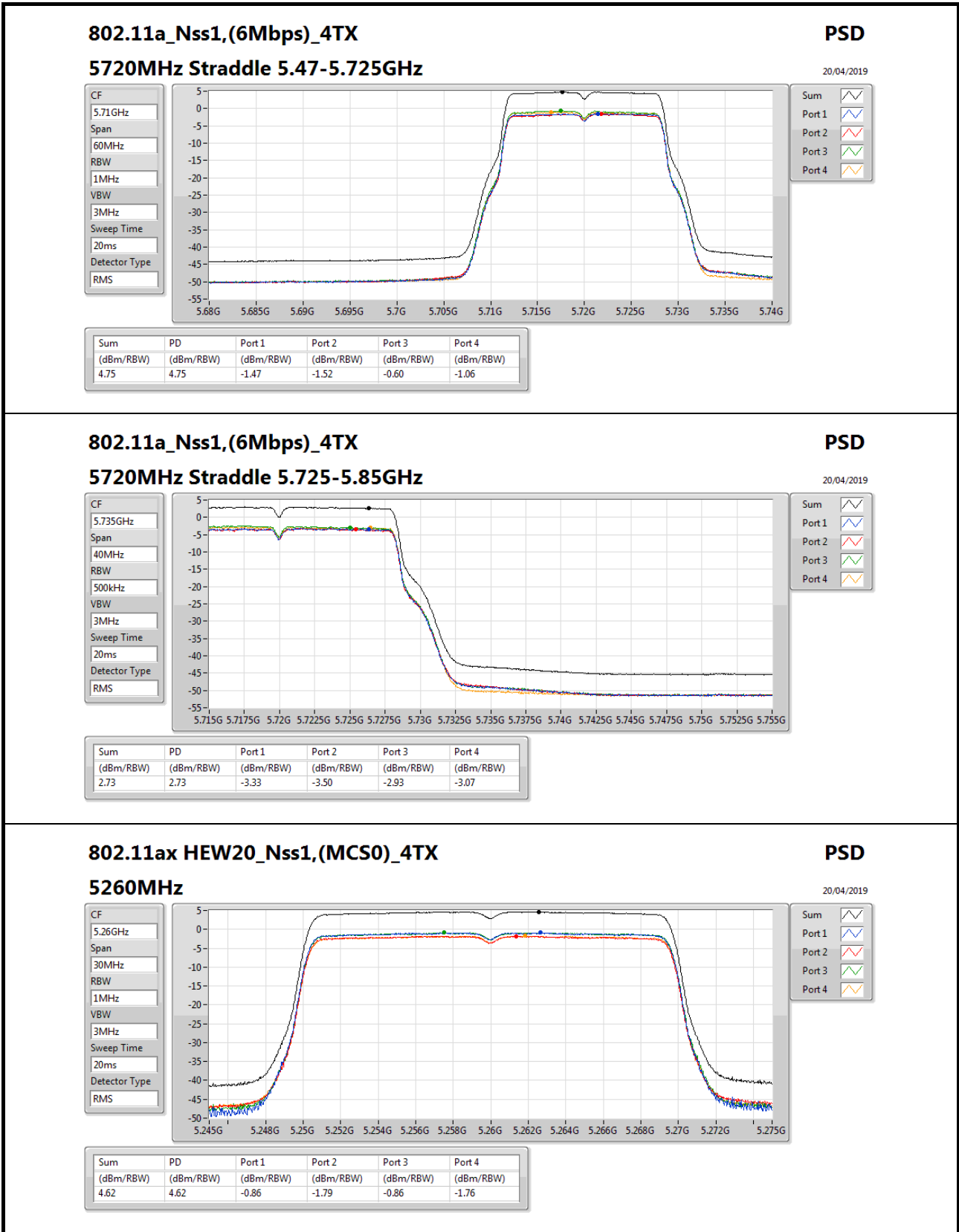
Sum

Port 1

Port 2

Port 3

Port 4



802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz

PSD

20/04/2019

CF

5.26GHz

Span

30MHz

RBW

1MHz

VBW

3MHz

Sweep Time

20ms

Detector Type

RMS

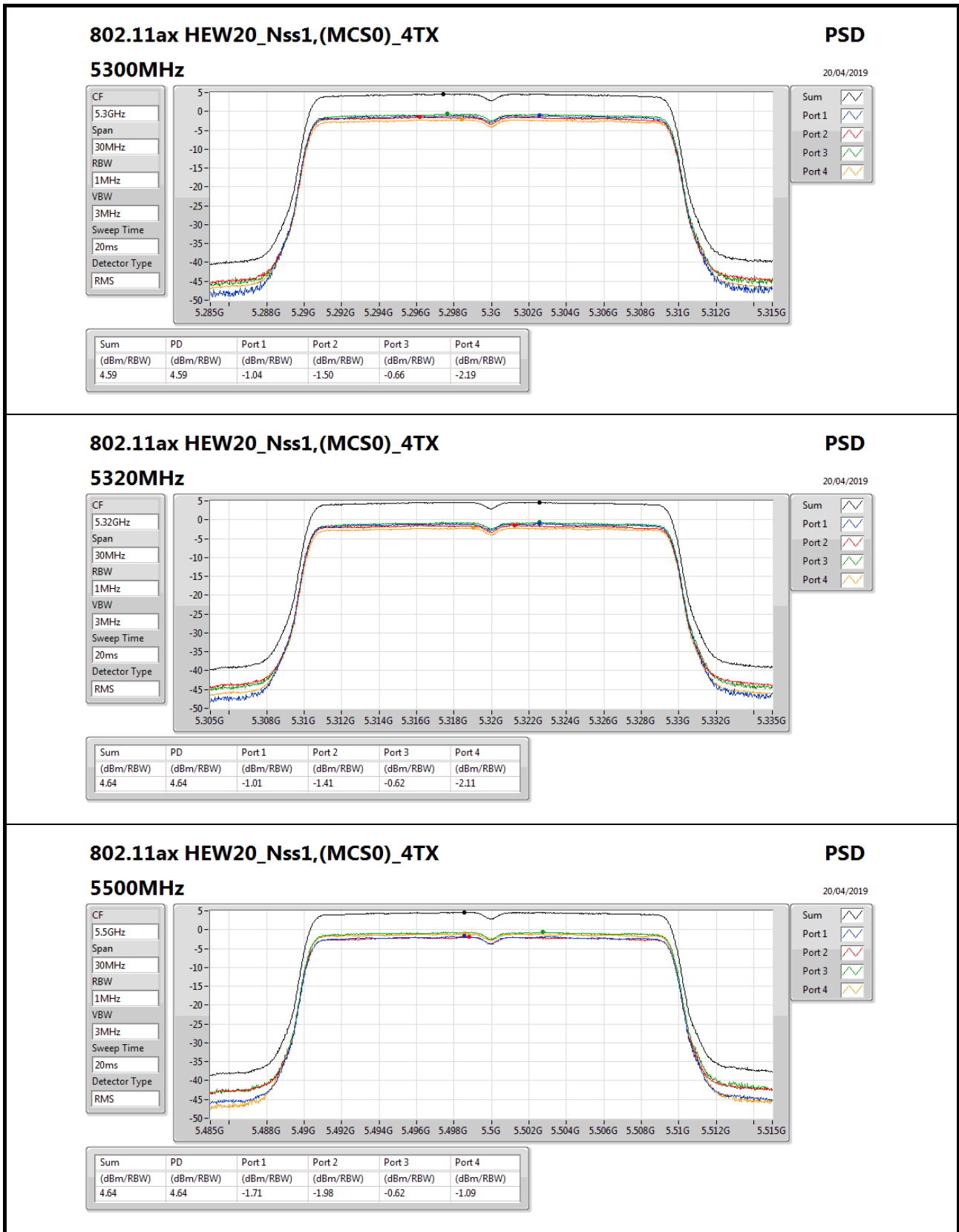
Sum

Port 1

Port 2

Port 3

Port 4



802.11ax HEW20_Nss1,(MCS0)_4TX

5500MHz

PSD
20/04/2019

CF
5.5GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

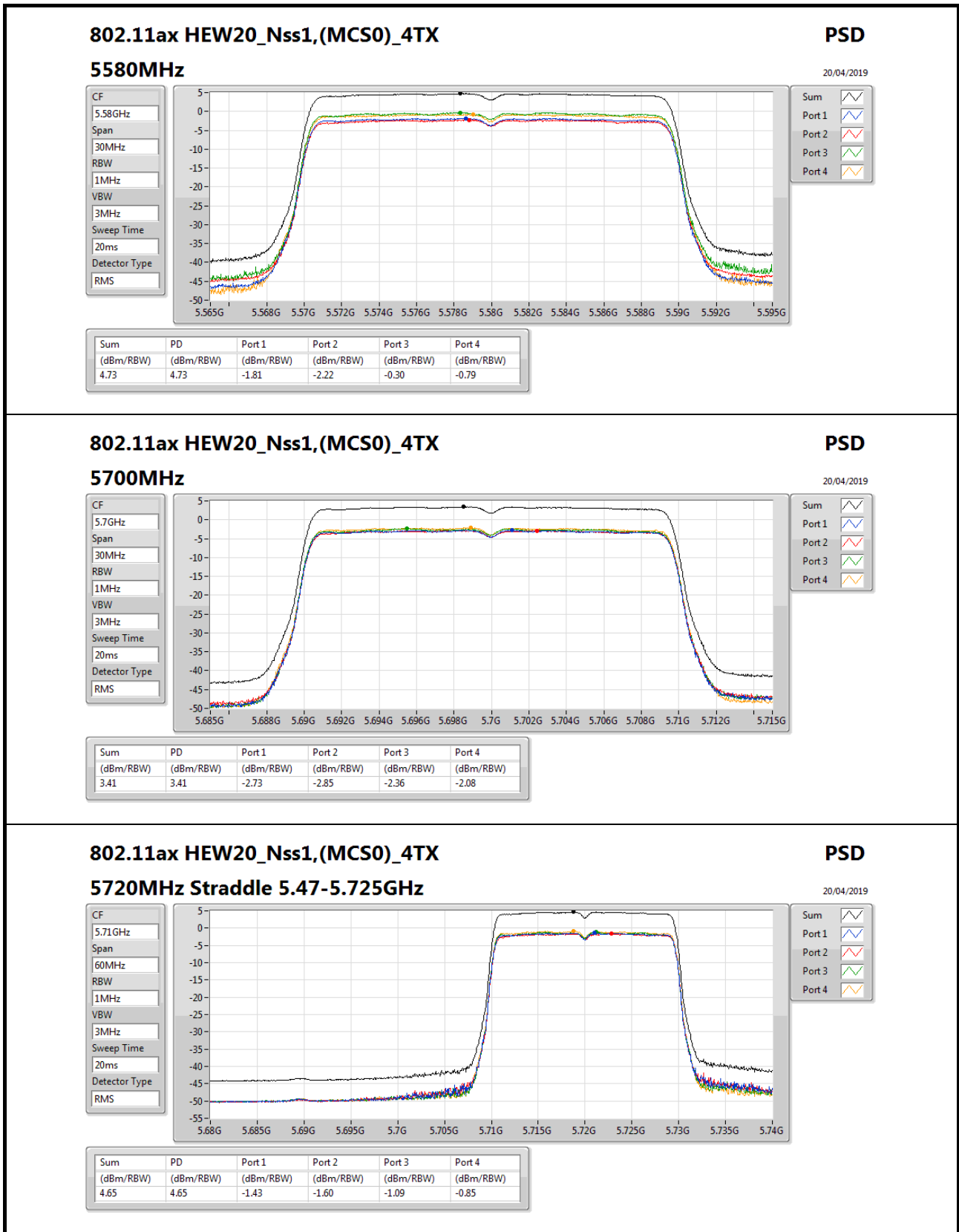
Sum

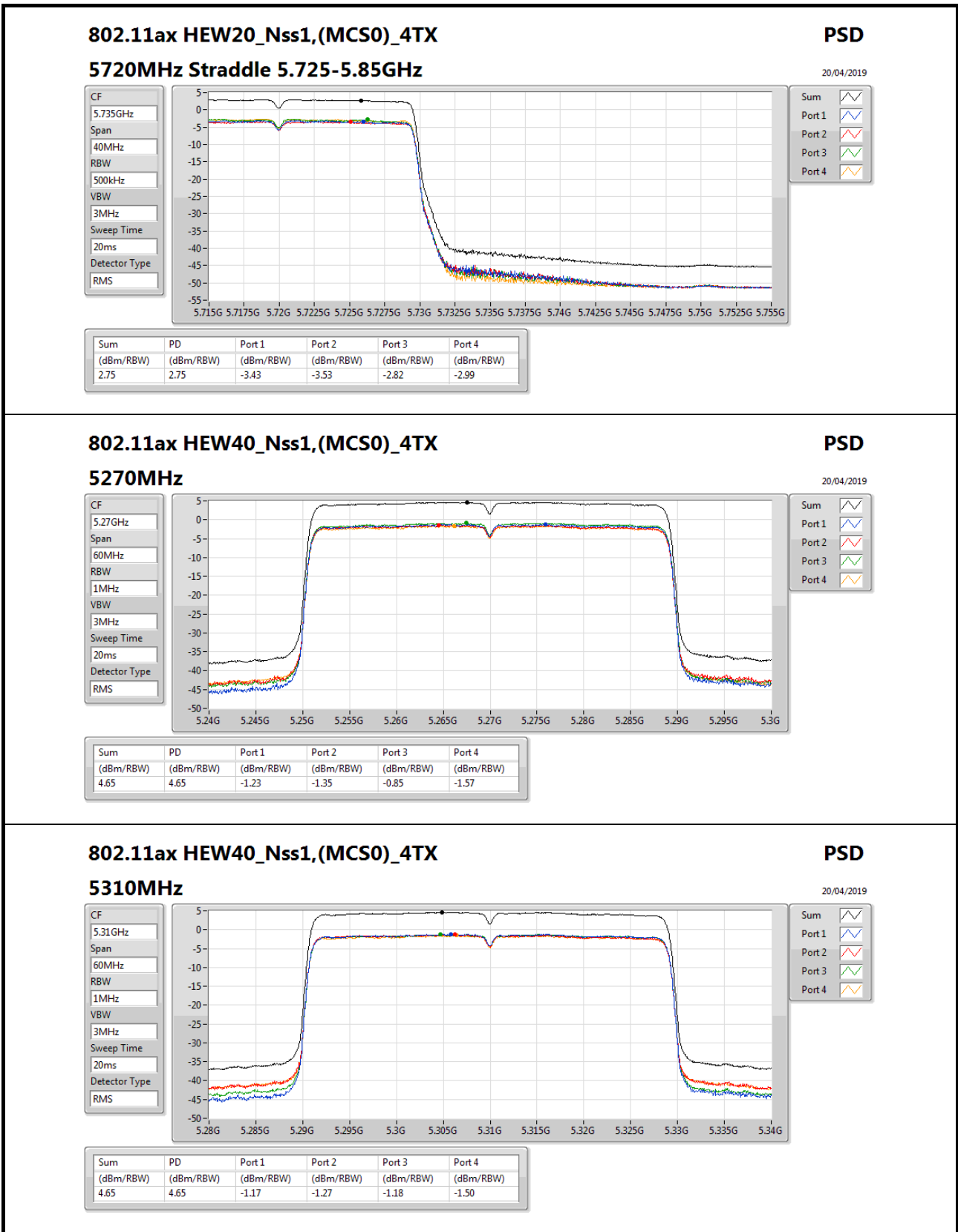
Port 1

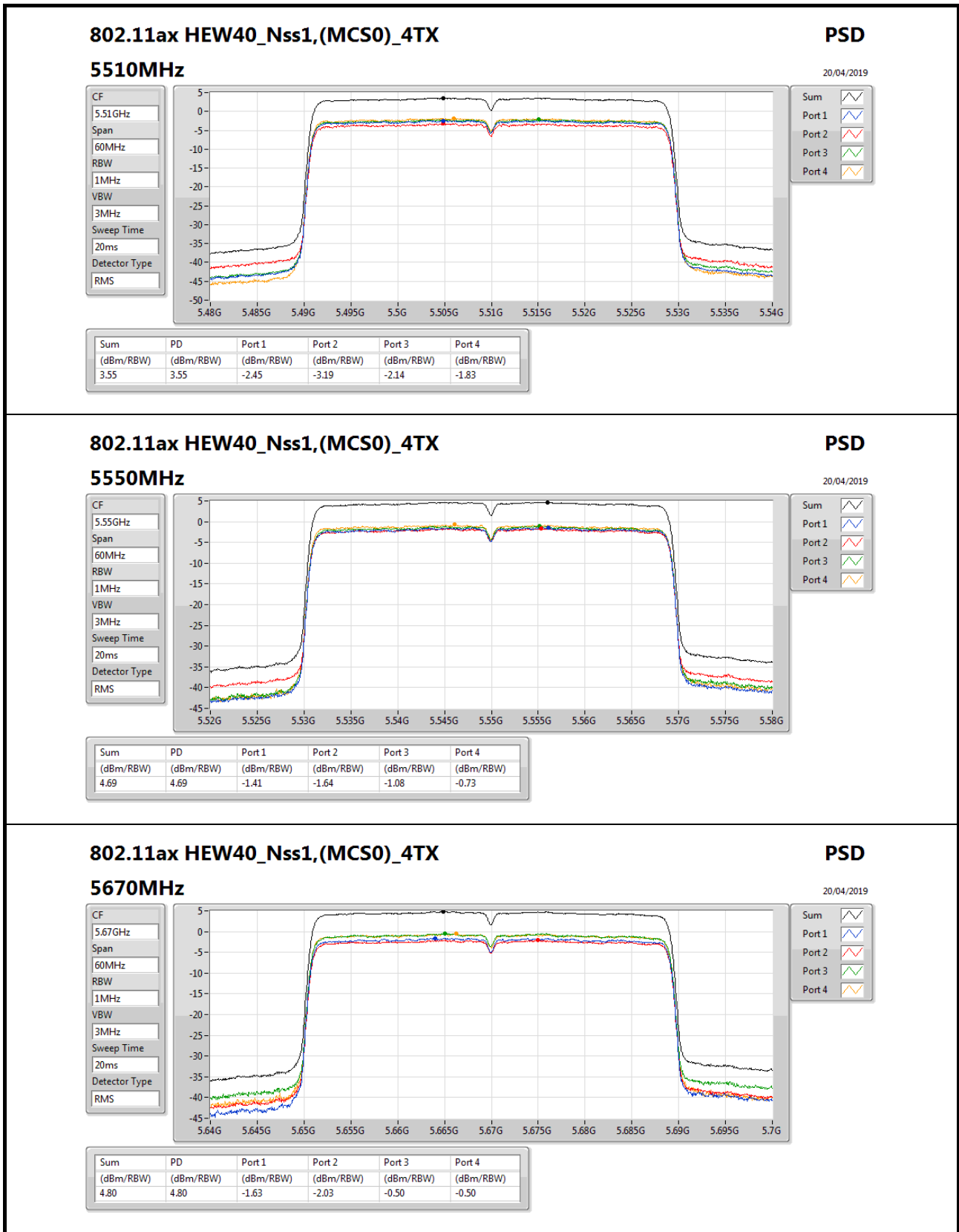
Port 2

Port 3

Port 4







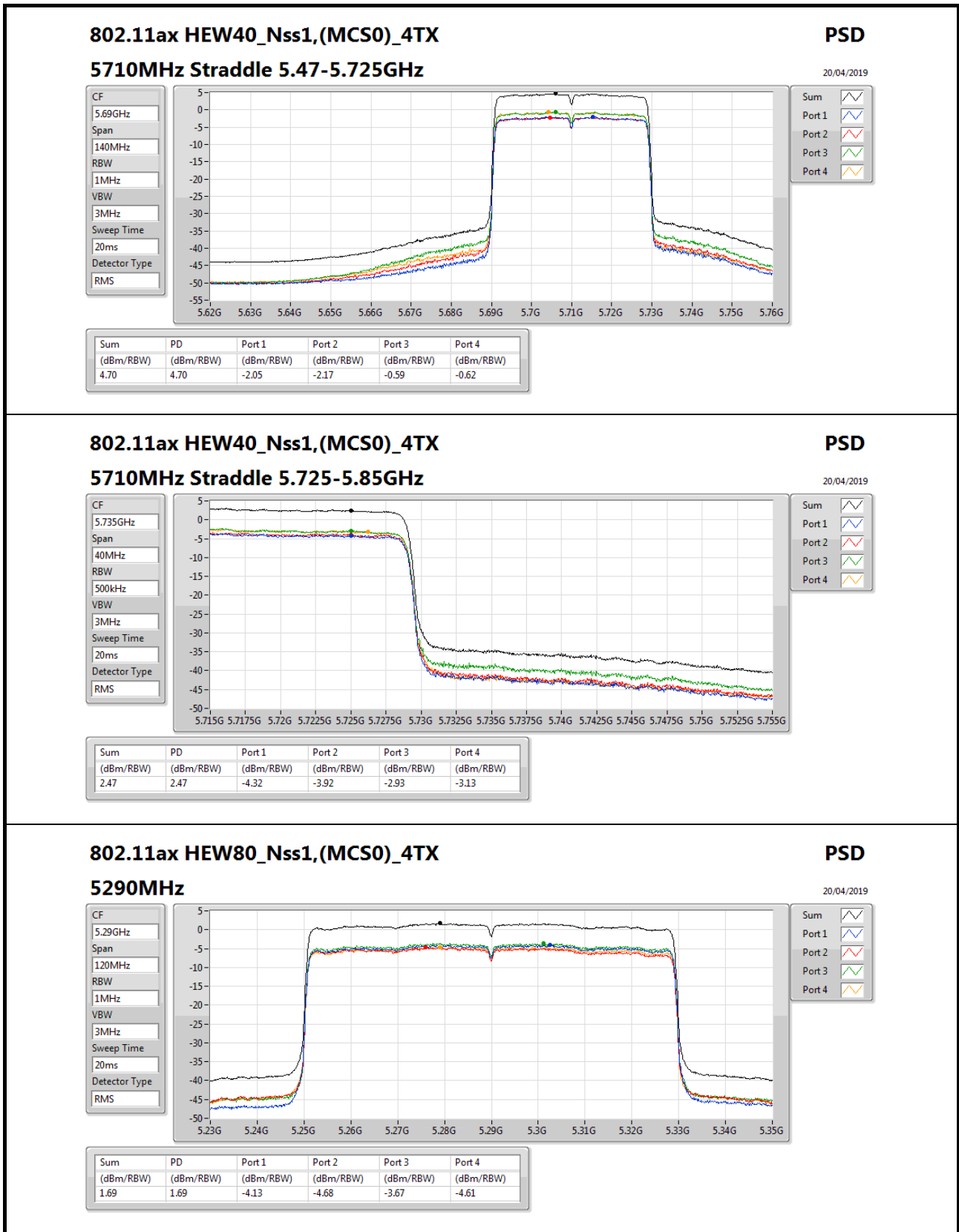
802.11ax HEW40_Nss1,(MCS0)_4TX

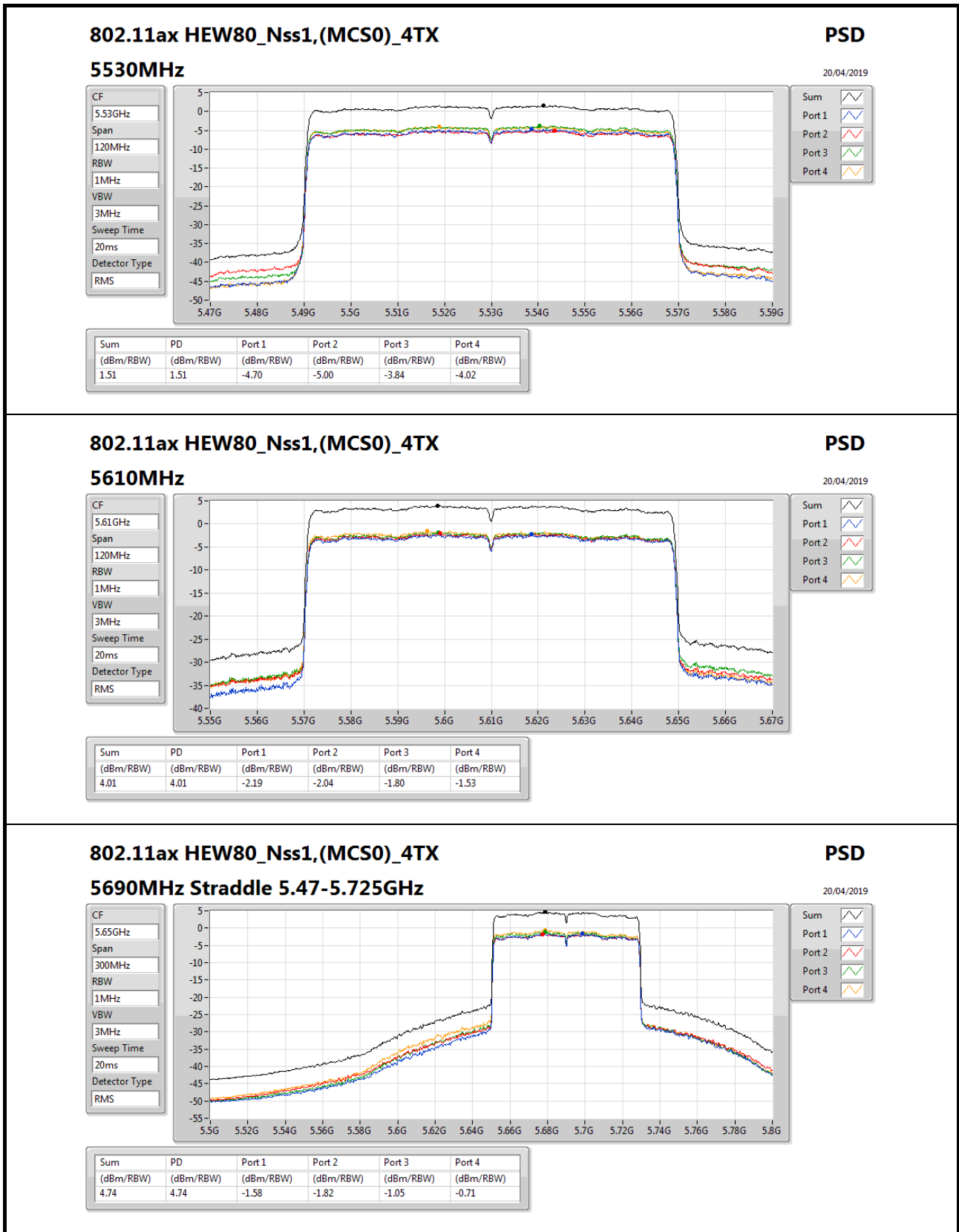
5670MHz

PSD
20/04/2019

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.80	4.80	-1.63	-2.03	-0.50	-0.50

CF	Span	RBW	VBW	Sweep Time	Detector Type
5.67GHz	60MHz	1MHz	3MHz	20ms	RMS





802.11ax HEW80_Nss1,(MCS0)_4TX

5690MHz Straddle 5.47-5.725GHz

PSD
20/04/2019

CF
5.65GHz

Span
300MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

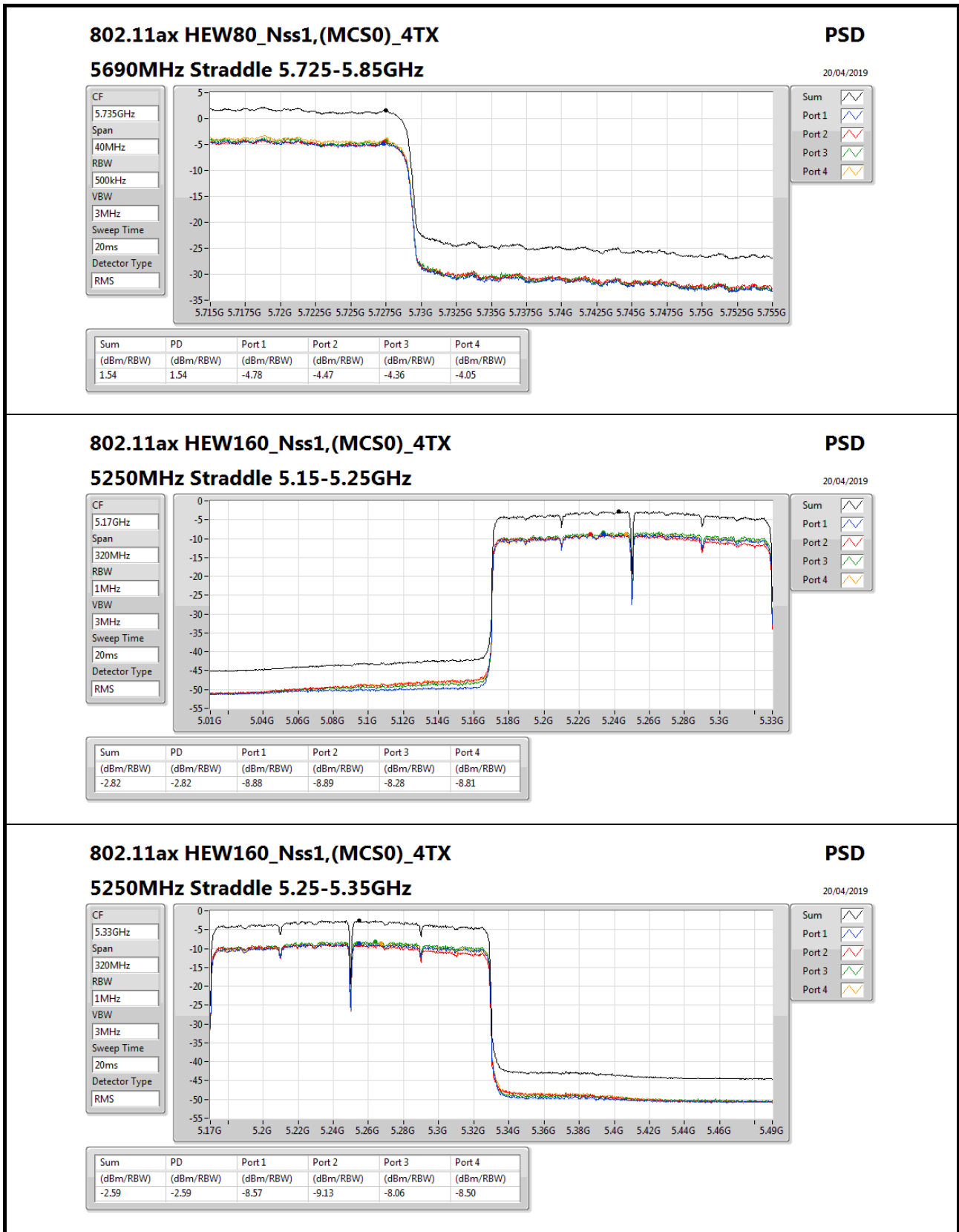
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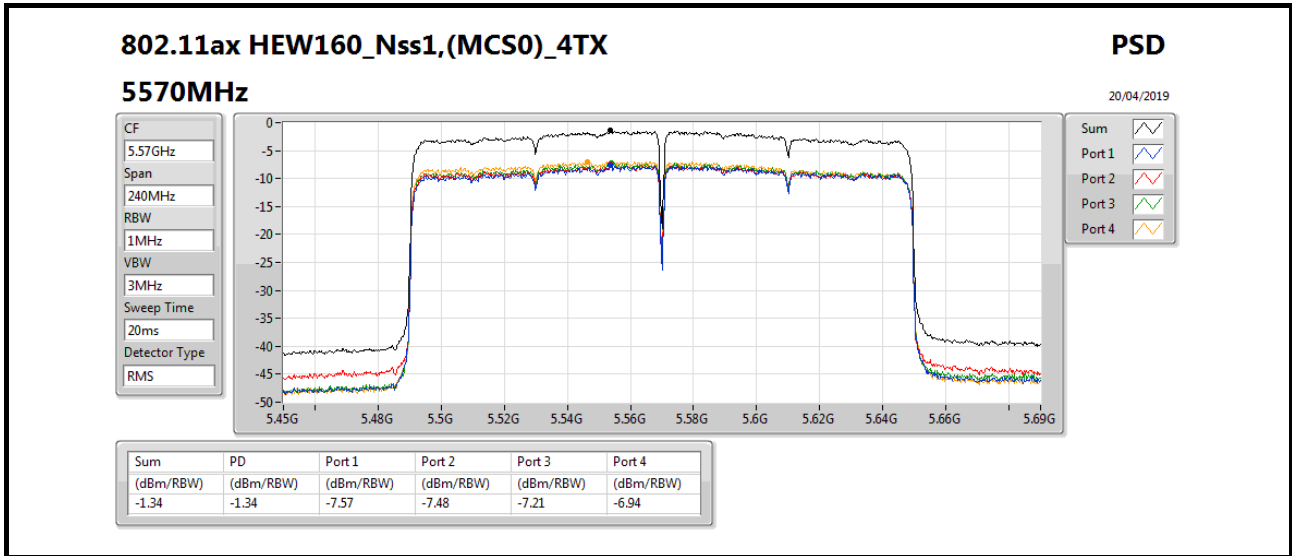
Port 1

Port 2

Port 3

Port 4







**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-3.06
5.25-5.35GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.08
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	1.36
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-1.55
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-3.14
5.47-5.725GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.24
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	1.69
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-1.31
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-4.11
5.725-5.85GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	2.39
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-0.38
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-4.24

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

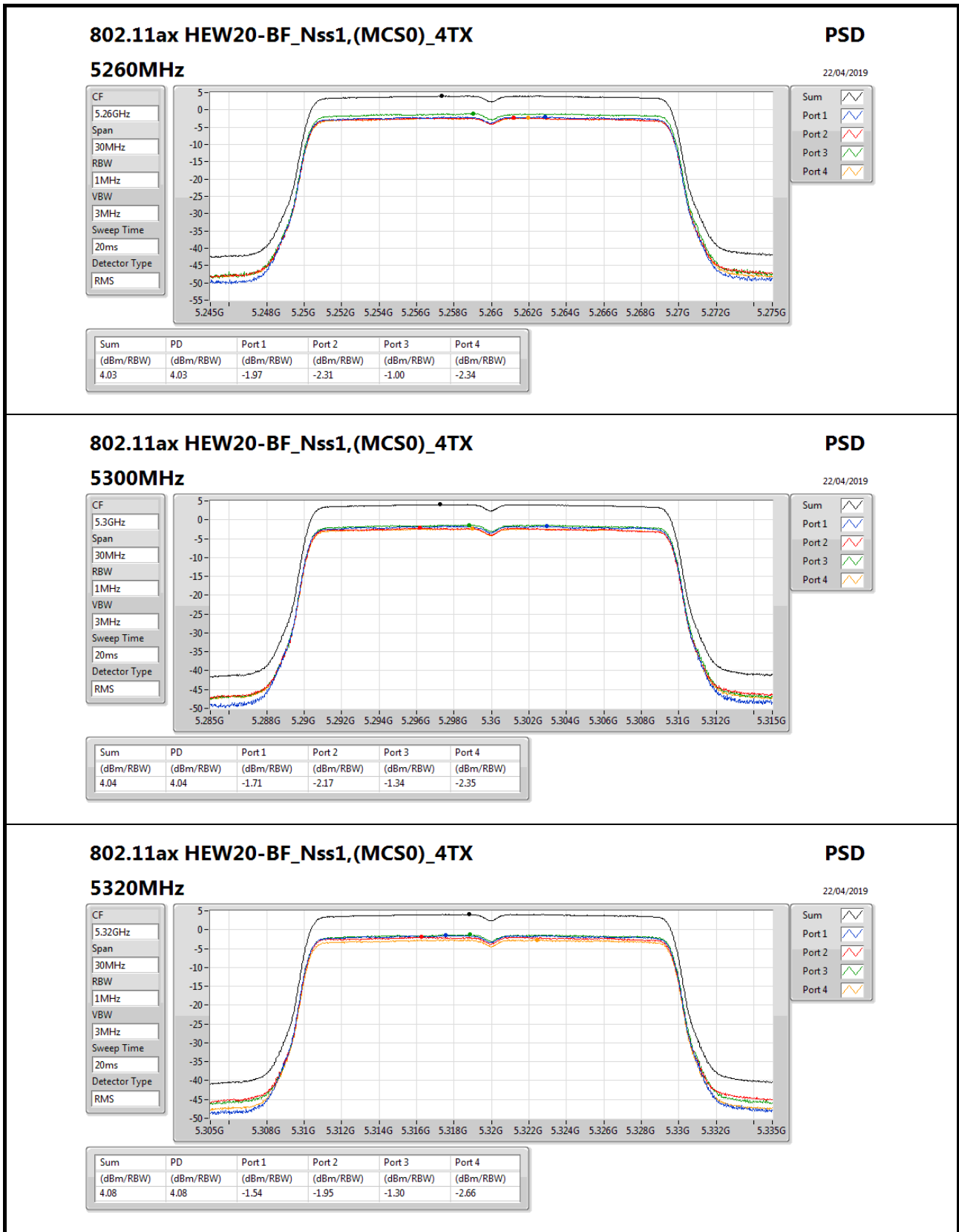


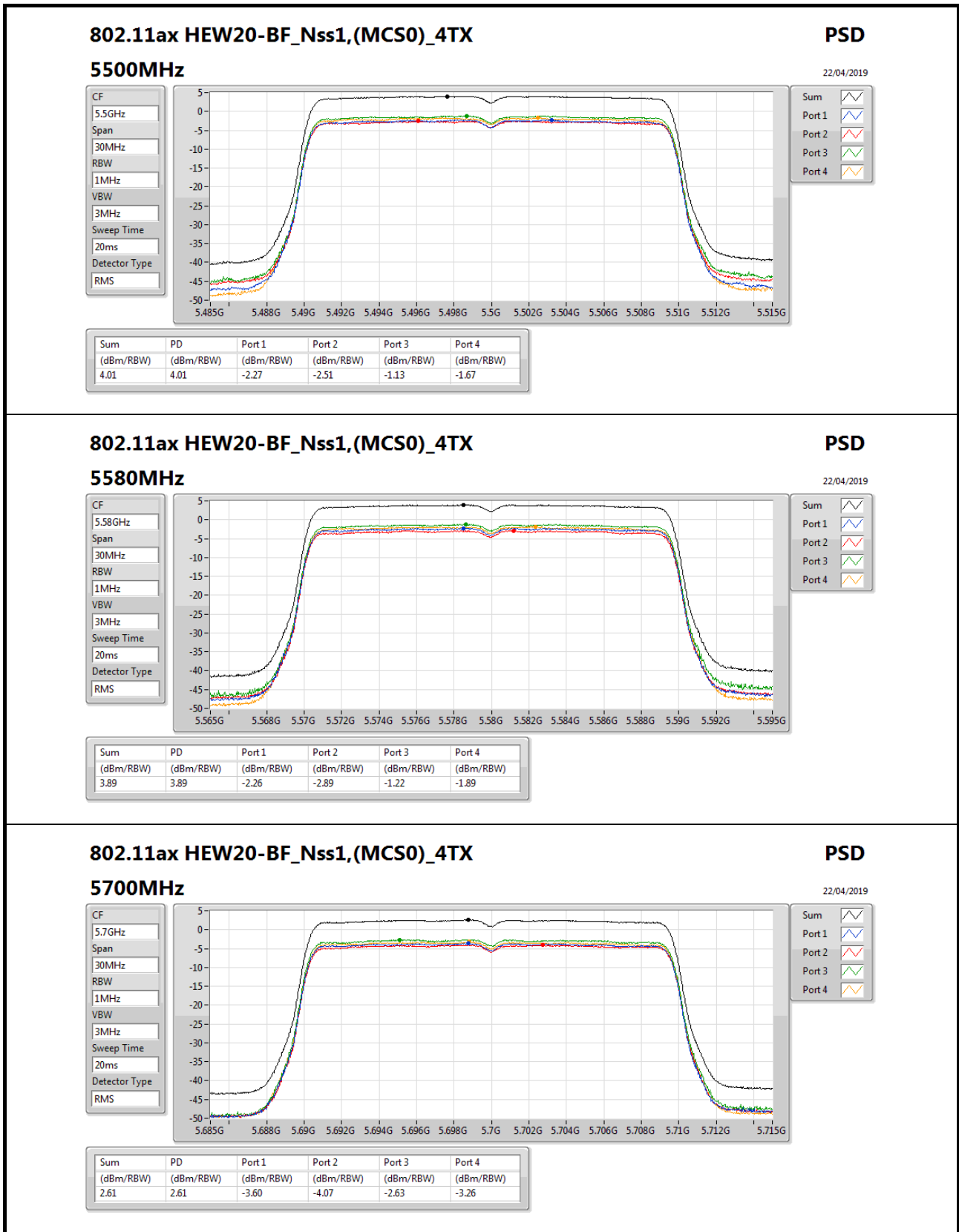
Result

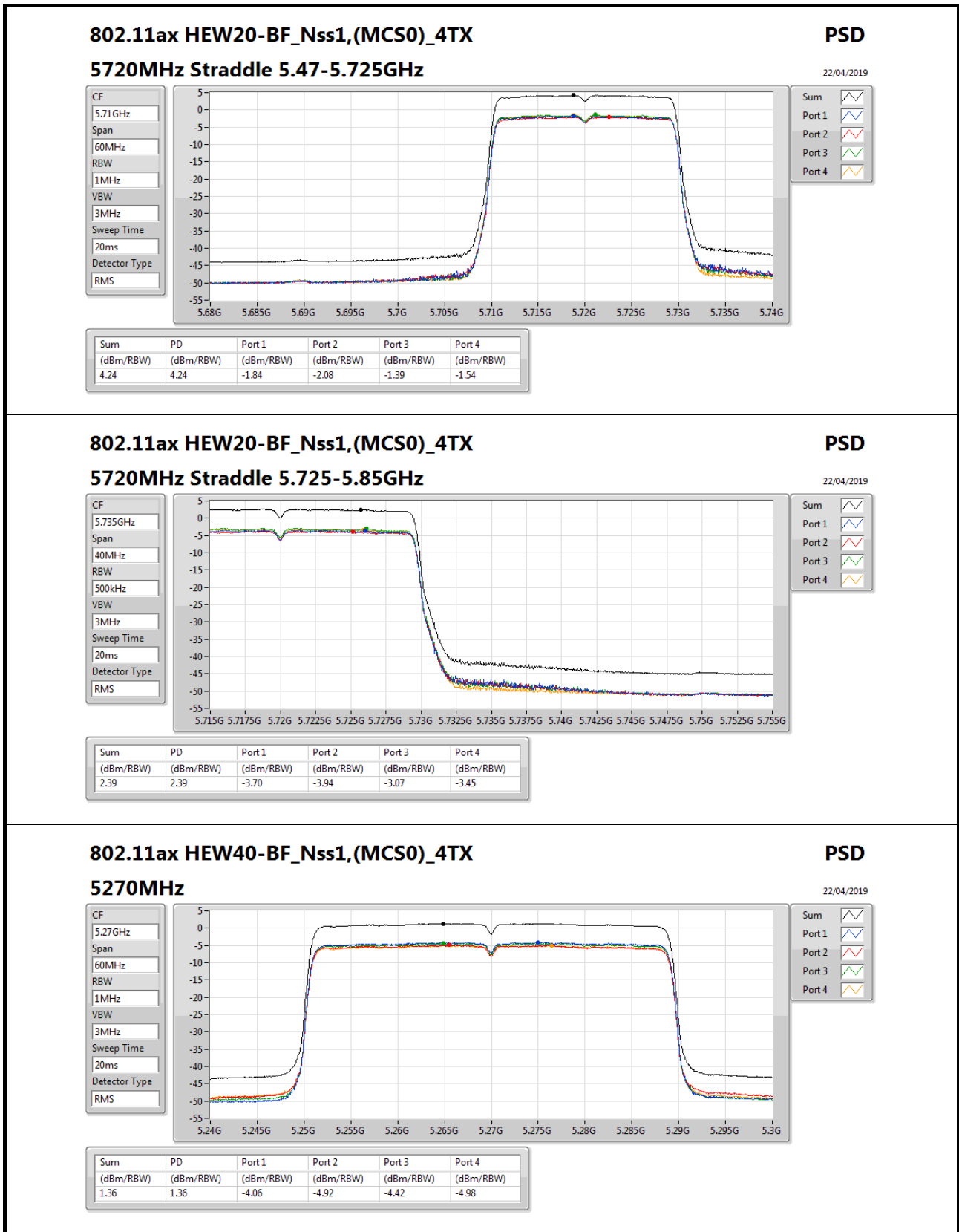
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	12.18	-1.97	-2.31	-1.00	-2.34	4.03	4.82
5300MHz	Pass	12.18	-1.71	-2.17	-1.34	-2.35	4.04	4.82
5320MHz	Pass	12.18	-1.54	-1.95	-1.30	-2.66	4.08	4.82
5500MHz	Pass	12.18	-2.27	-2.51	-1.13	-1.67	4.01	4.82
5580MHz	Pass	12.18	-2.26	-2.89	-1.22	-1.89	3.89	4.82
5700MHz	Pass	12.18	-3.60	-4.07	-2.63	-3.26	2.61	4.82
5720MHz Straddle 5.47-5.725GHz	Pass	12.18	-1.84	-2.08	-1.39	-1.54	4.24	4.82
5720MHz Straddle 5.725-5.85GHz	Pass	12.18	-3.70	-3.94	-3.07	-3.45	2.39	23.82
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	12.18	-4.06	-4.92	-4.42	-4.98	1.36	4.82
5310MHz	Pass	12.18	-4.37	-5.01	-4.16	-5.01	1.32	4.82
5510MHz	Pass	12.18	-5.64	-5.90	-5.98	-5.12	0.27	4.82
5550MHz	Pass	12.18	-4.81	-4.89	-4.41	-3.93	1.42	4.82
5670MHz	Pass	12.18	-5.31	-5.21	-3.81	-4.26	1.36	4.82
5710MHz Straddle 5.47-5.725GHz	Pass	12.18	-4.80	-5.15	-3.27	-4.00	1.69	4.82
5710MHz Straddle 5.725-5.85GHz	Pass	12.18	-6.87	-7.07	-5.34	-6.28	-0.38	23.82
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	12.18	-7.38	-8.03	-6.90	-7.71	-1.55	4.82
5530MHz	Pass	12.18	-7.92	-8.12	-6.26	-6.99	-1.36	4.82
5610MHz	Pass	12.18	-7.80	-7.65	-7.20	-6.80	-1.45	4.82
5690MHz Straddle 5.47-5.725GHz	Pass	12.18	-7.62	-7.94	-6.49	-6.95	-1.31	4.82
5690MHz Straddle 5.725-5.85GHz	Pass	12.18	-10.64	-10.45	-9.66	-10.06	-4.24	23.82
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	12.18	-9.13	-9.03	-8.39	-9.35	-3.06	10.82
5250MHz Straddle 5.25-5.35GHz	Pass	12.18	-9.04	-9.45	-8.45	-9.19	-3.14	4.82
5570MHz	Pass	12.18	-10.44	-10.36	-9.67	-9.55	-4.11	4.82

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-BF_Nss1,(MCS0)_4TX

5270MHz

PSD
22/04/2019

CF
5.27GHz

Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

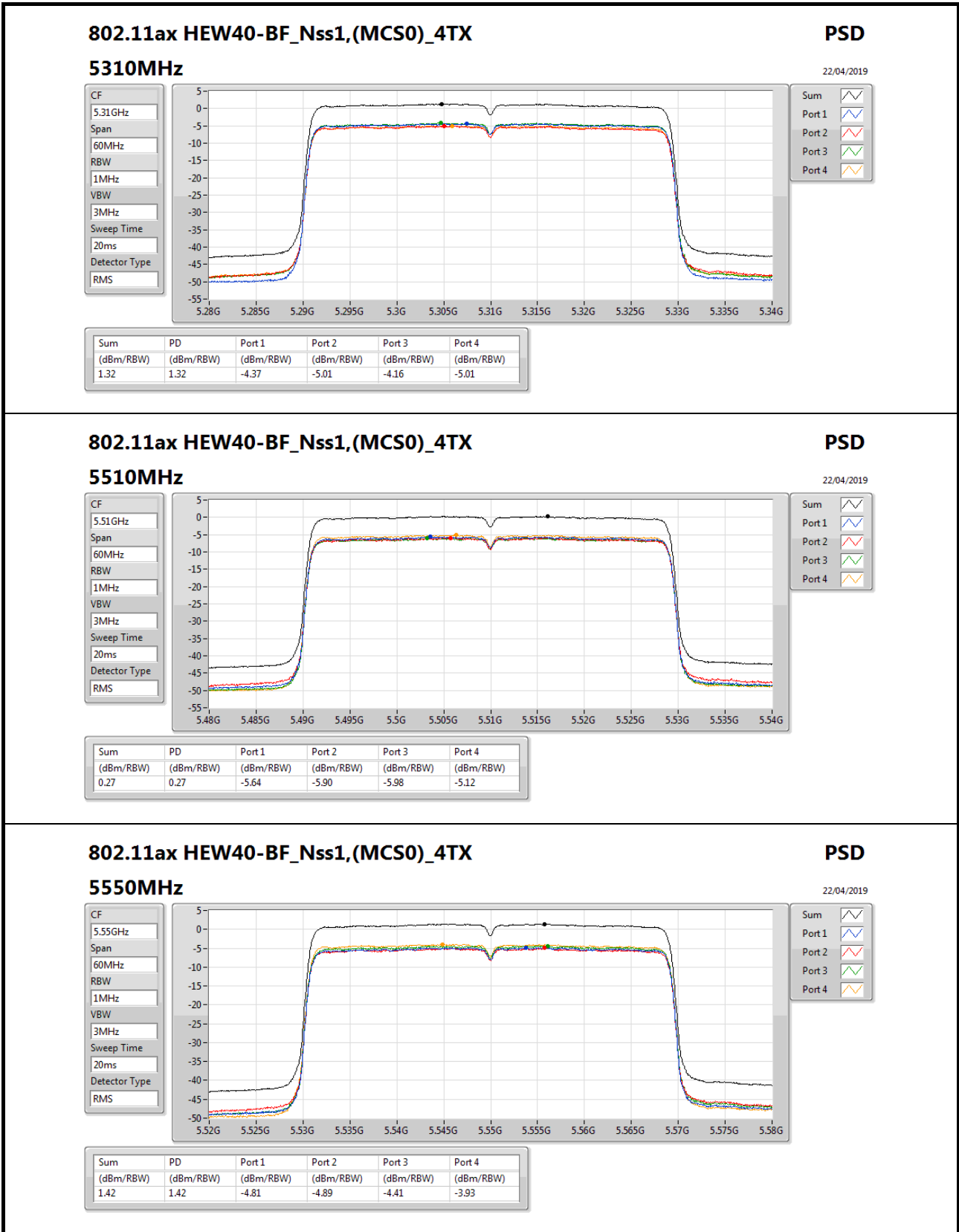
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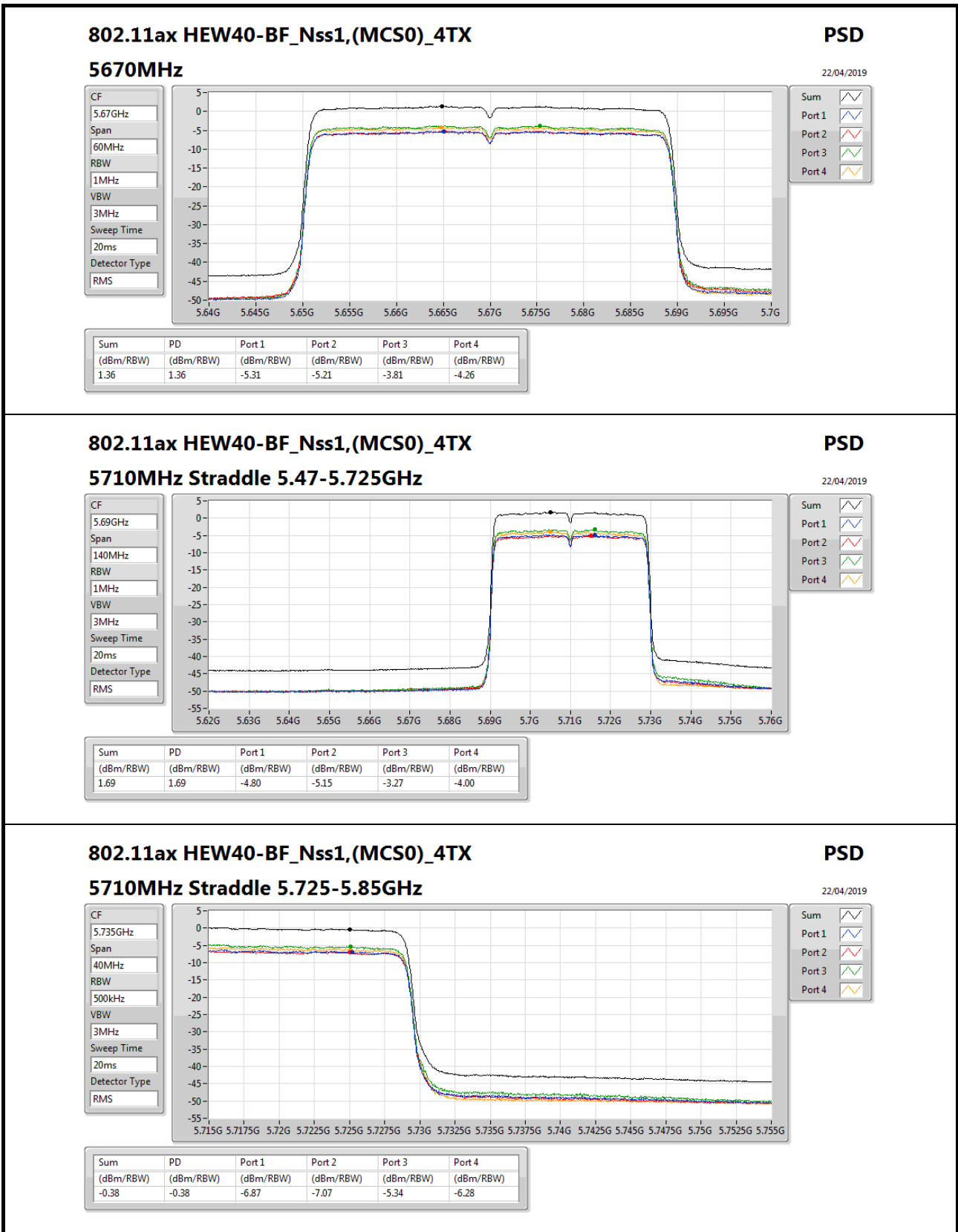
Port 1

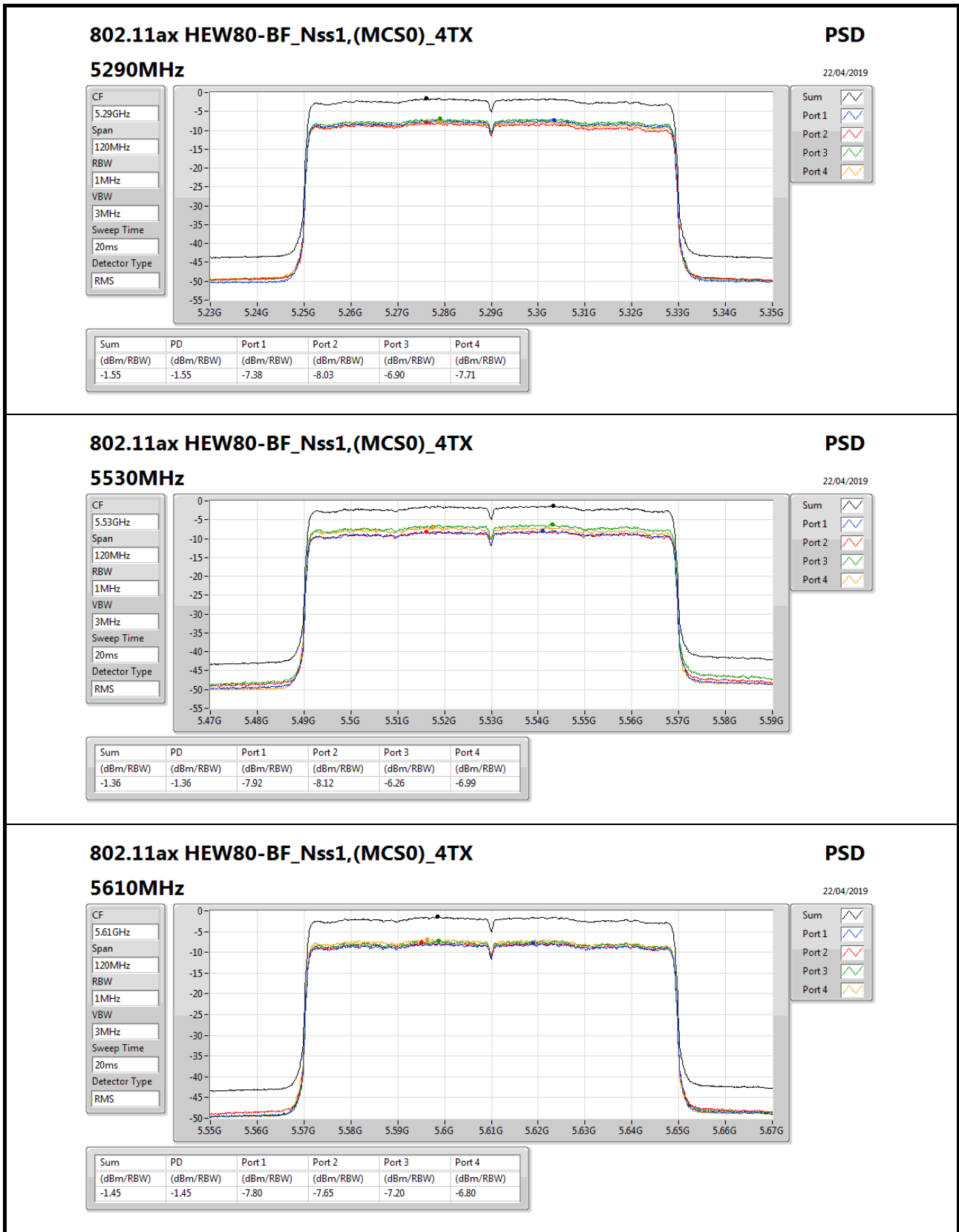
Port 2

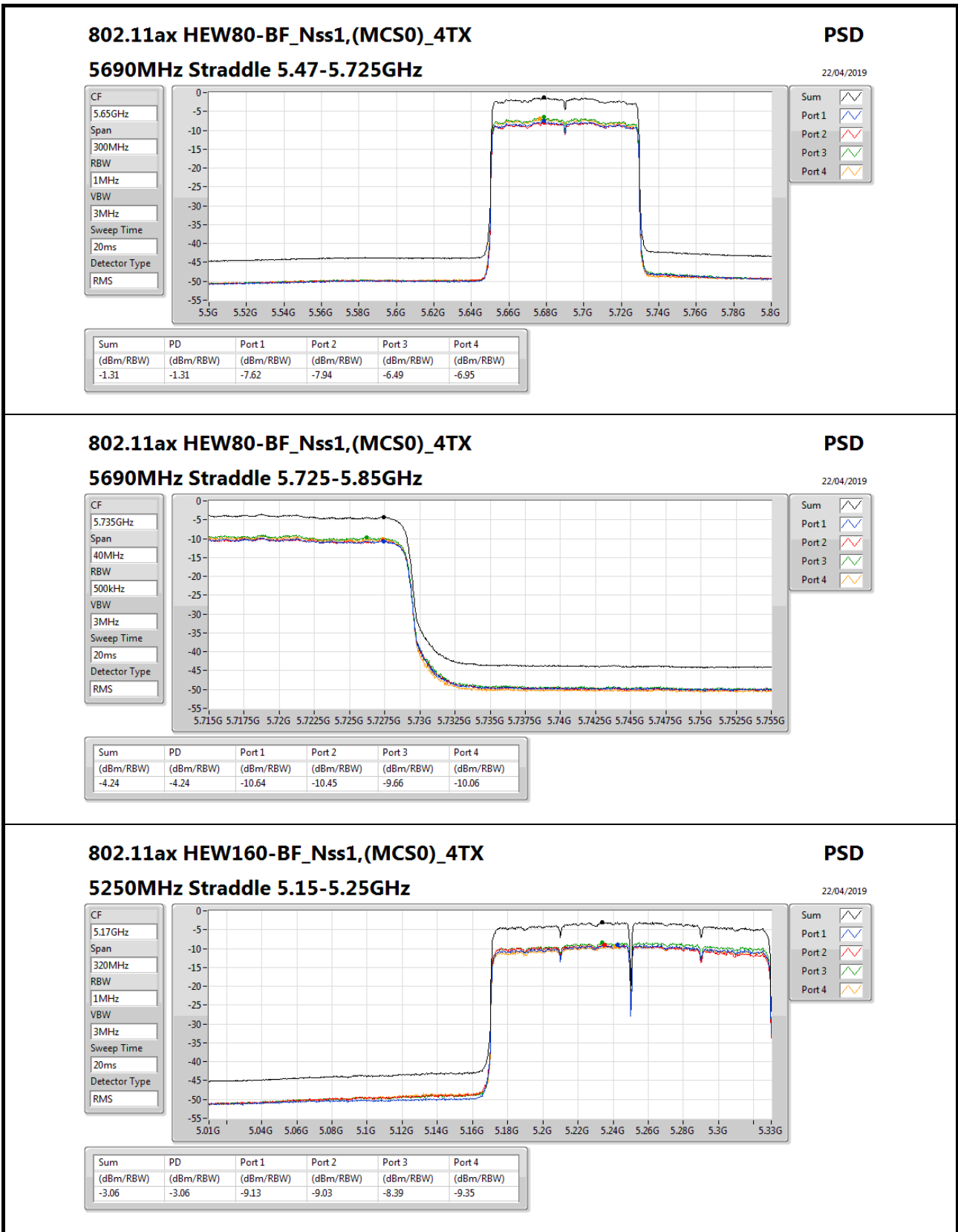
Port 3

Port 4









802.11ax HEW160-BF_Nss1,(MCS0)_4TX

5250MHz Straddle 5.15-5.25GHz

PSD
22/04/2019

CF
5.17GHz

Span
320MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

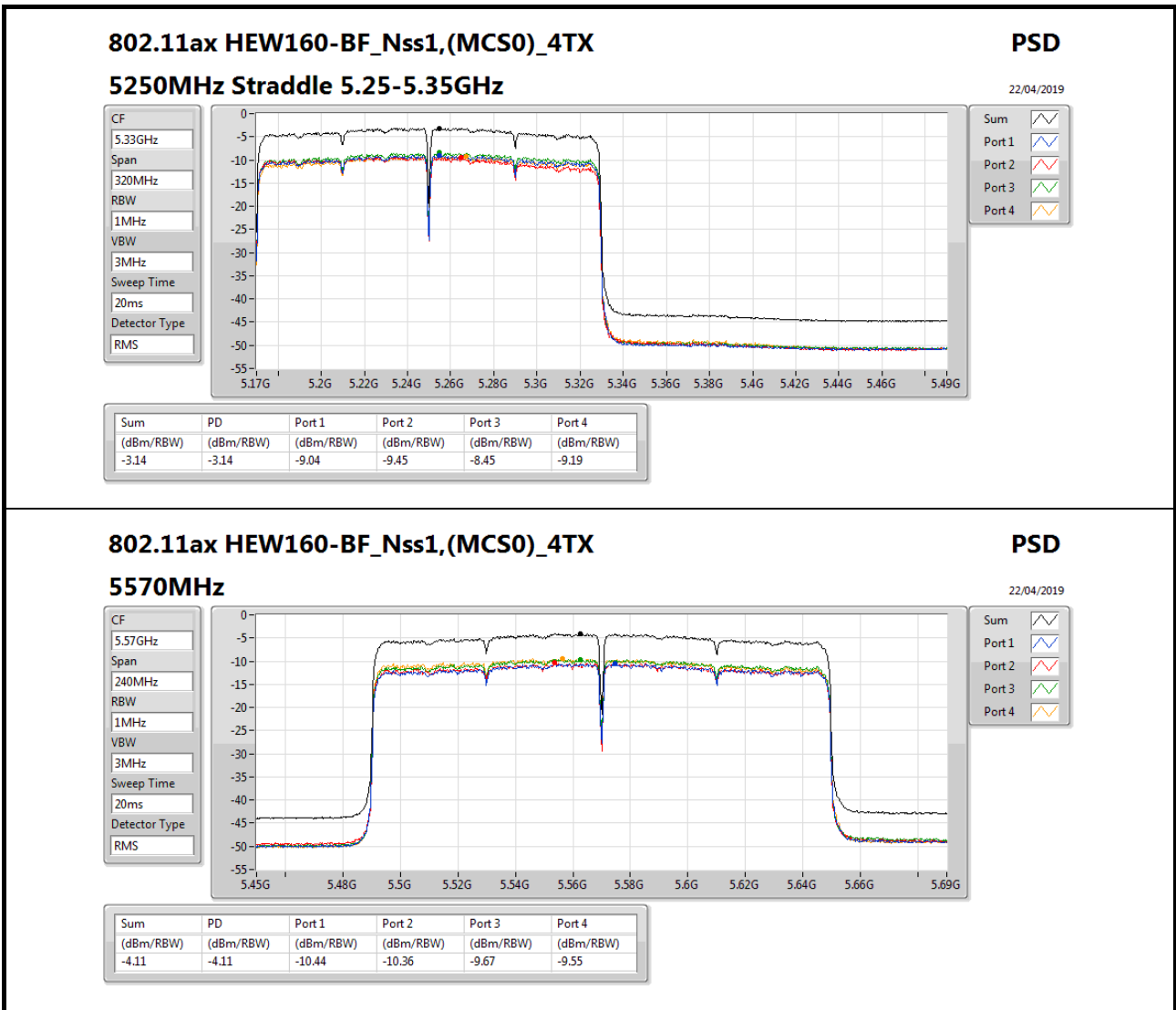
Sum

Port 1

Port 2

Port 3

Port 4





**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss4,(MCS0)_4TX	-1.89
5.25-5.35GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	10.38
802.11ax HEW40_Nss4,(MCS0)_4TX	7.78
802.11ax HEW80_Nss4,(MCS0)_4TX	2.18
802.11ax HEW160_Nss4,(MCS0)_4TX	-1.88
5.47-5.725GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	10.41
802.11ax HEW40_Nss4,(MCS0)_4TX	7.87
802.11ax HEW80_Nss4,(MCS0)_4TX	4.84
802.11ax HEW160_Nss4,(MCS0)_4TX	-0.97
5.725-5.85GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	8.53
802.11ax HEW40_Nss4,(MCS0)_4TX	5.61
802.11ax HEW80_Nss4,(MCS0)_4TX	2.30

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

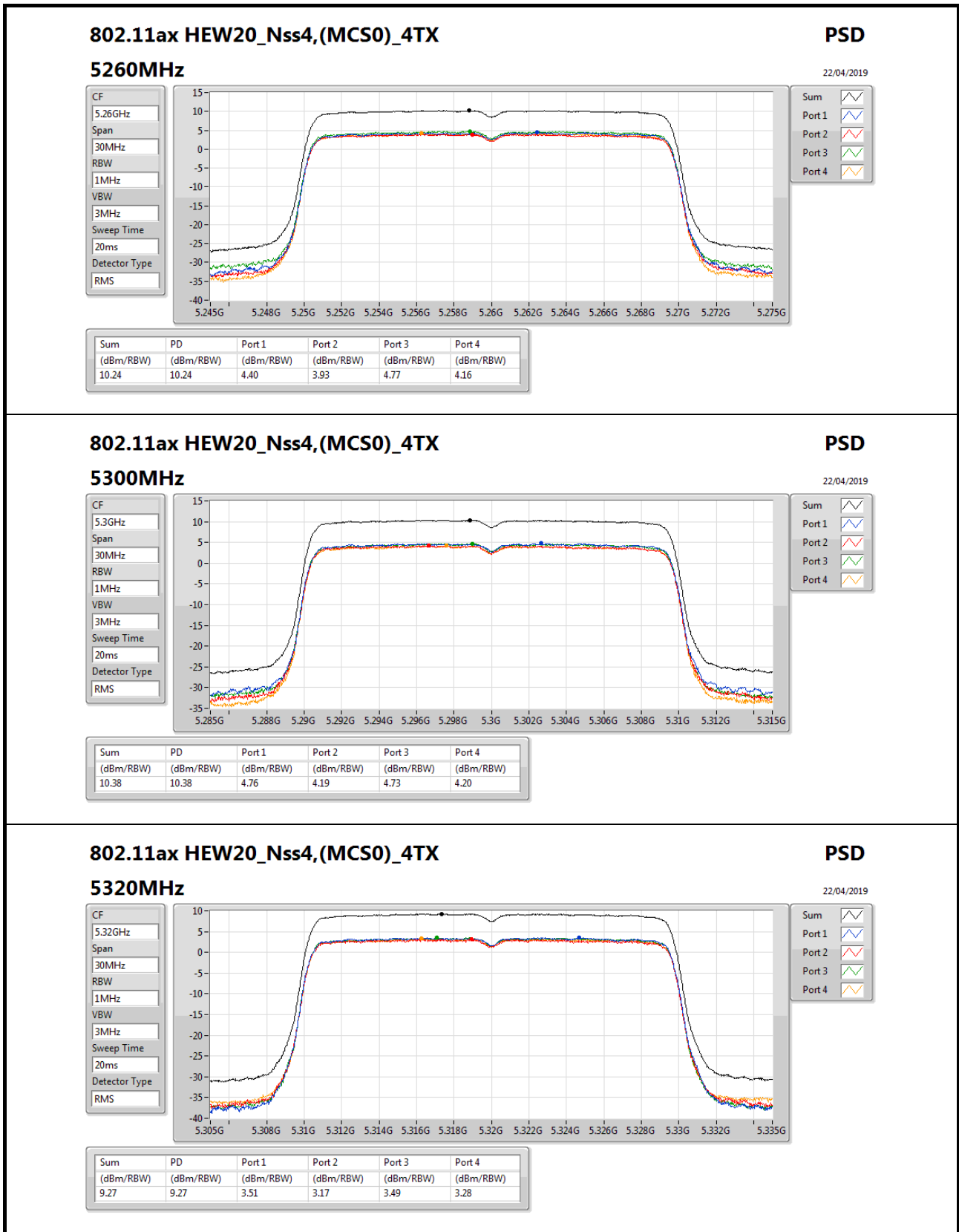


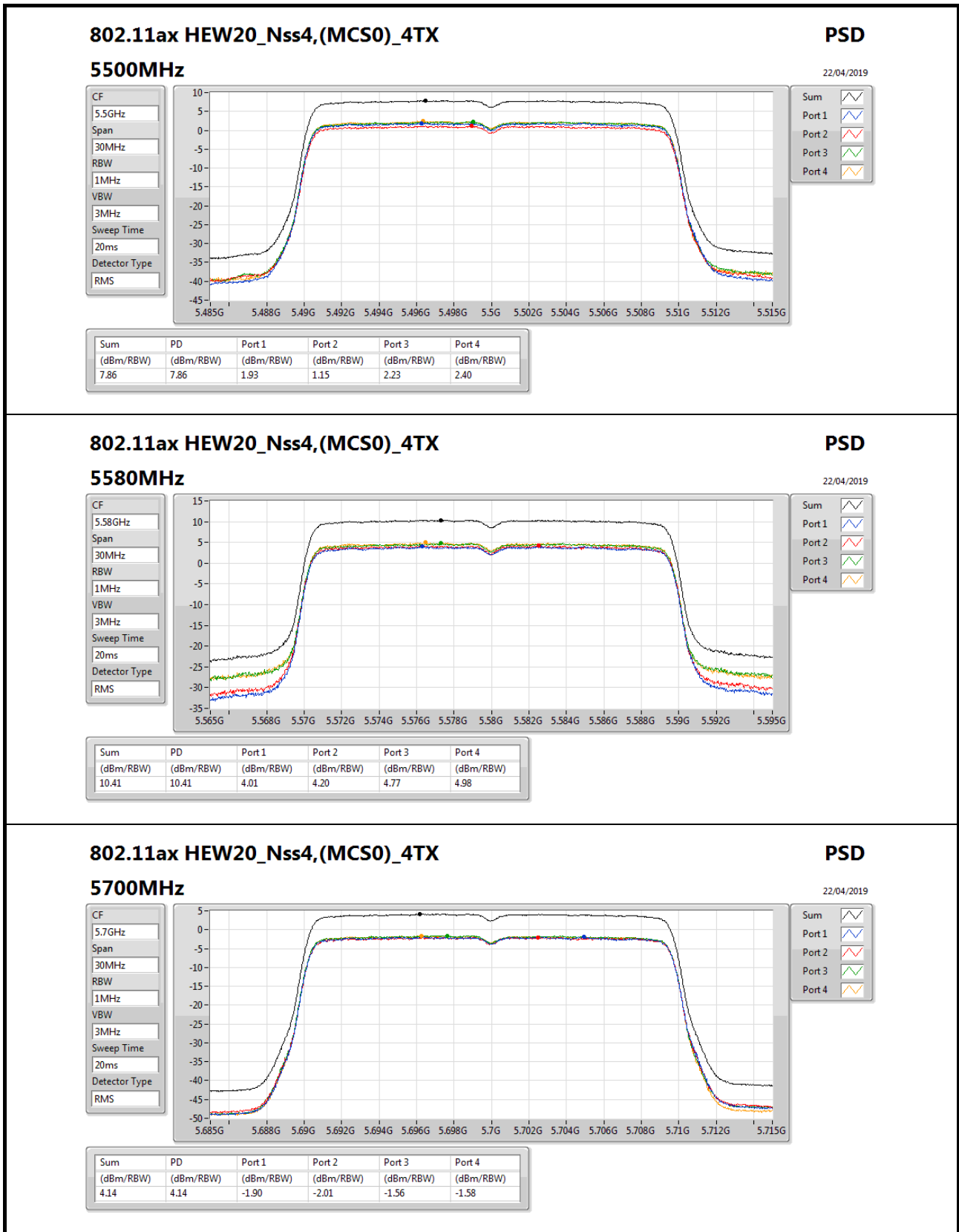
Result

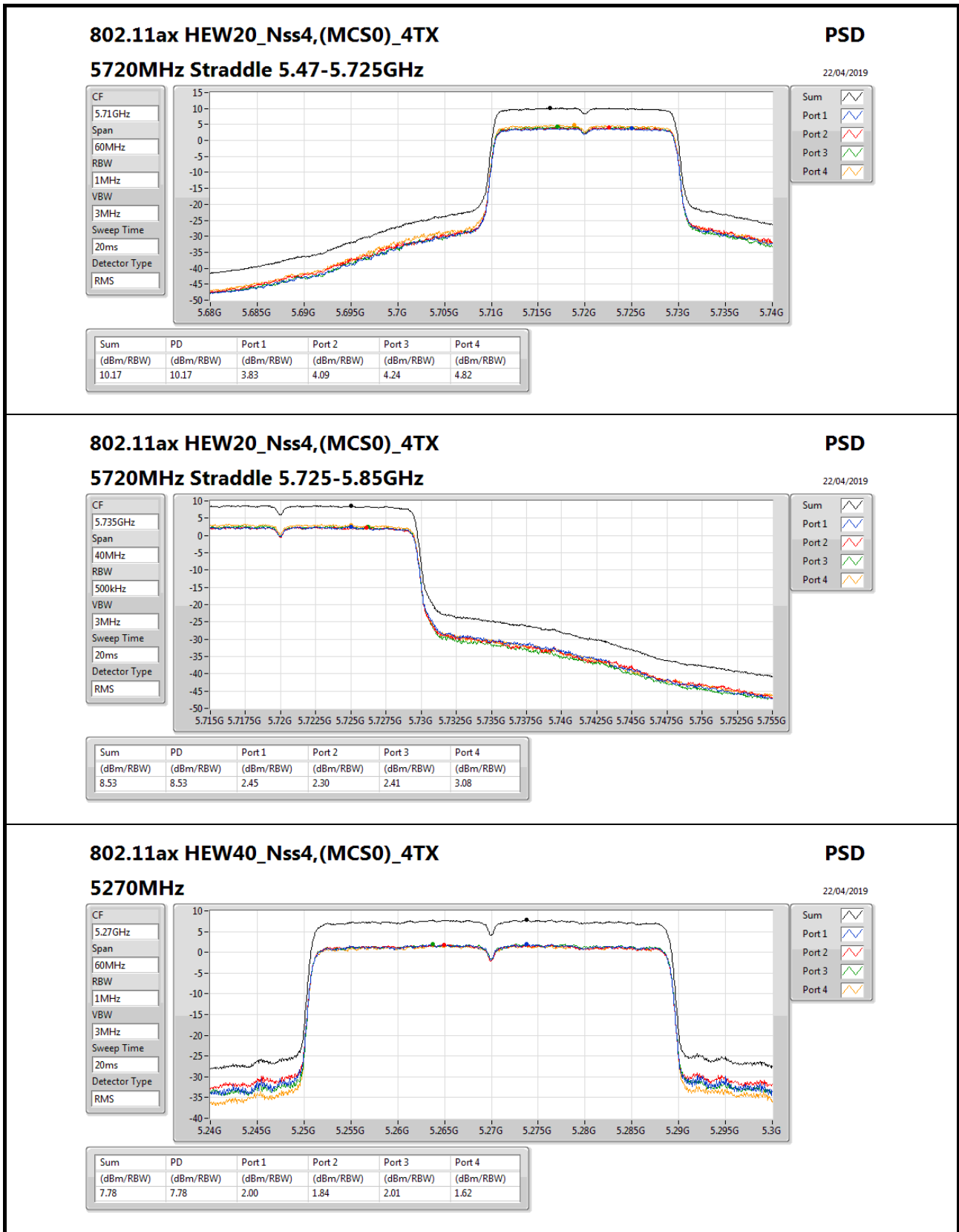
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.16	4.40	3.93	4.77	4.16	10.24	10.84
5300MHz	Pass	6.16	4.76	4.19	4.73	4.20	10.38	10.84
5320MHz	Pass	6.16	3.51	3.17	3.49	3.28	9.27	10.84
5500MHz	Pass	6.16	1.93	1.15	2.23	2.40	7.86	10.84
5580MHz	Pass	6.16	4.01	4.20	4.77	4.98	10.41	10.84
5700MHz	Pass	6.16	-1.90	-2.01	-1.56	-1.58	4.14	10.84
5720MHz Straddle 5.47-5.725GHz	Pass	6.16	3.83	4.09	4.24	4.82	10.17	10.84
5720MHz Straddle 5.725-5.85GHz	Pass	6.16	2.45	2.30	2.41	3.08	8.53	29.84
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	6.16	2.00	1.84	2.01	1.62	7.78	10.84
5310MHz	Pass	6.16	-0.94	-1.81	-1.01	-1.44	4.56	10.84
5510MHz	Pass	6.16	-2.10	-1.94	-1.61	-1.45	4.13	10.84
5550MHz	Pass	6.16	1.95	1.54	1.87	2.62	7.87	10.84
5670MHz	Pass	6.16	-0.11	-0.09	1.47	1.17	6.51	10.84
5710MHz Straddle 5.47-5.725GHz	Pass	6.16	1.28	1.15	2.27	2.46	7.73	10.84
5710MHz Straddle 5.725-5.85GHz	Pass	6.16	-0.67	-0.92	-0.01	0.17	5.61	29.84
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	6.16	-3.56	-4.19	-3.15	-4.30	2.18	10.84
5530MHz	Pass	6.16	-4.20	-4.49	-3.32	-3.38	2.00	10.84
5610MHz	Pass	6.16	-4.14	-4.21	-3.78	-3.16	2.17	10.84
5690MHz Straddle 5.47-5.725GHz	Pass	6.16	-1.59	-1.25	-1.11	-0.79	4.84	10.84
5690MHz Straddle 5.725-5.85GHz	Pass	6.16	-4.09	-3.47	-3.54	-3.35	2.30	29.84
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.16	-7.58	-7.94	-7.70	-7.89	-1.89	16.84
5250MHz Straddle 5.25-5.35GHz	Pass	6.16	-7.75	-8.00	-7.68	-7.75	-1.88	10.84
5570MHz	Pass	6.16	-7.70	-6.98	-6.44	-6.28	-0.97	10.84

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 HEW40_Nss4,(MCS0)_4TX

5270MHz

PSD

22/04/2019

CF

5.27GHz

Span

60MHz

RBW

1MHz

VBW

3MHz

Sweep Time

20ms

Detector Type

RMS

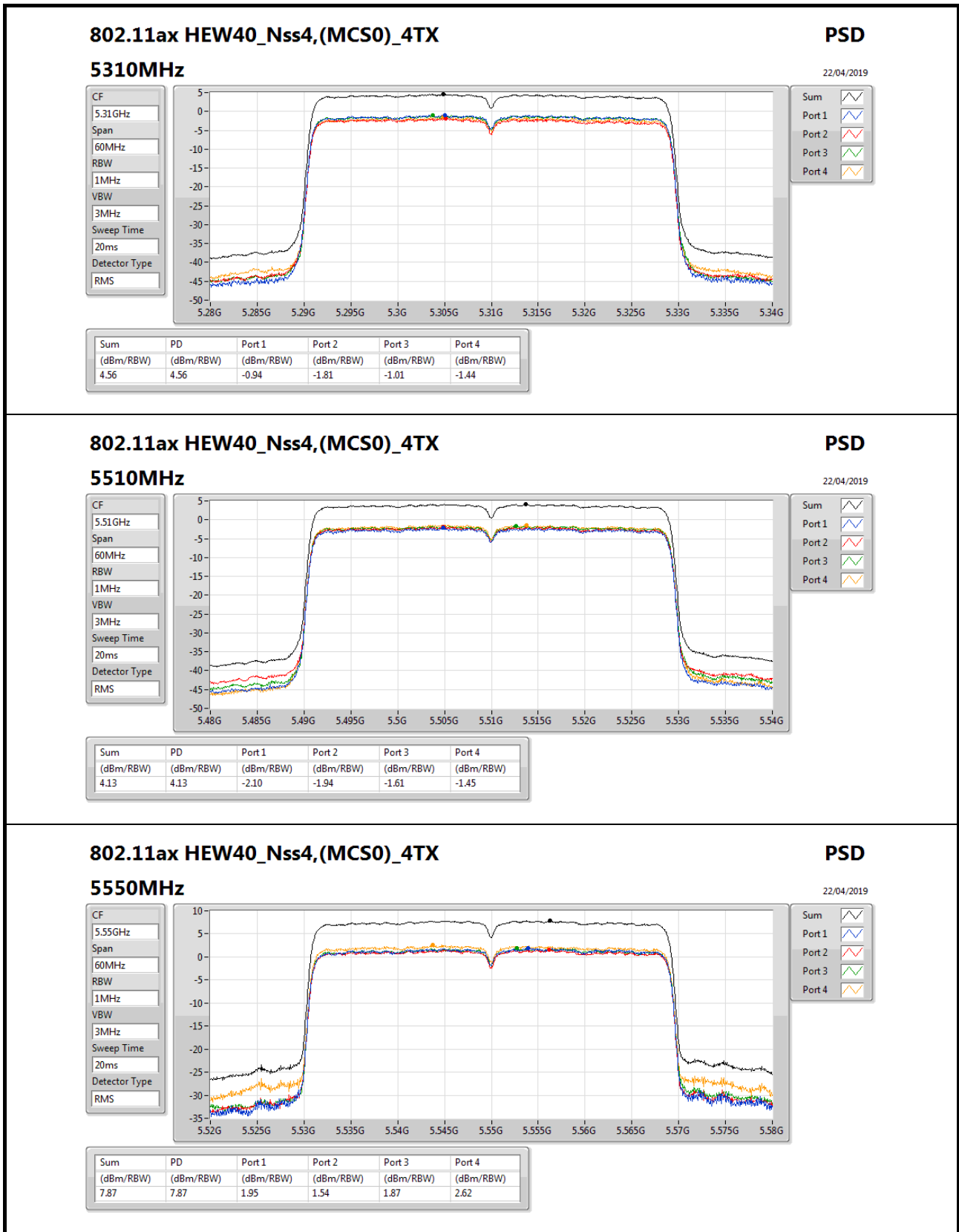
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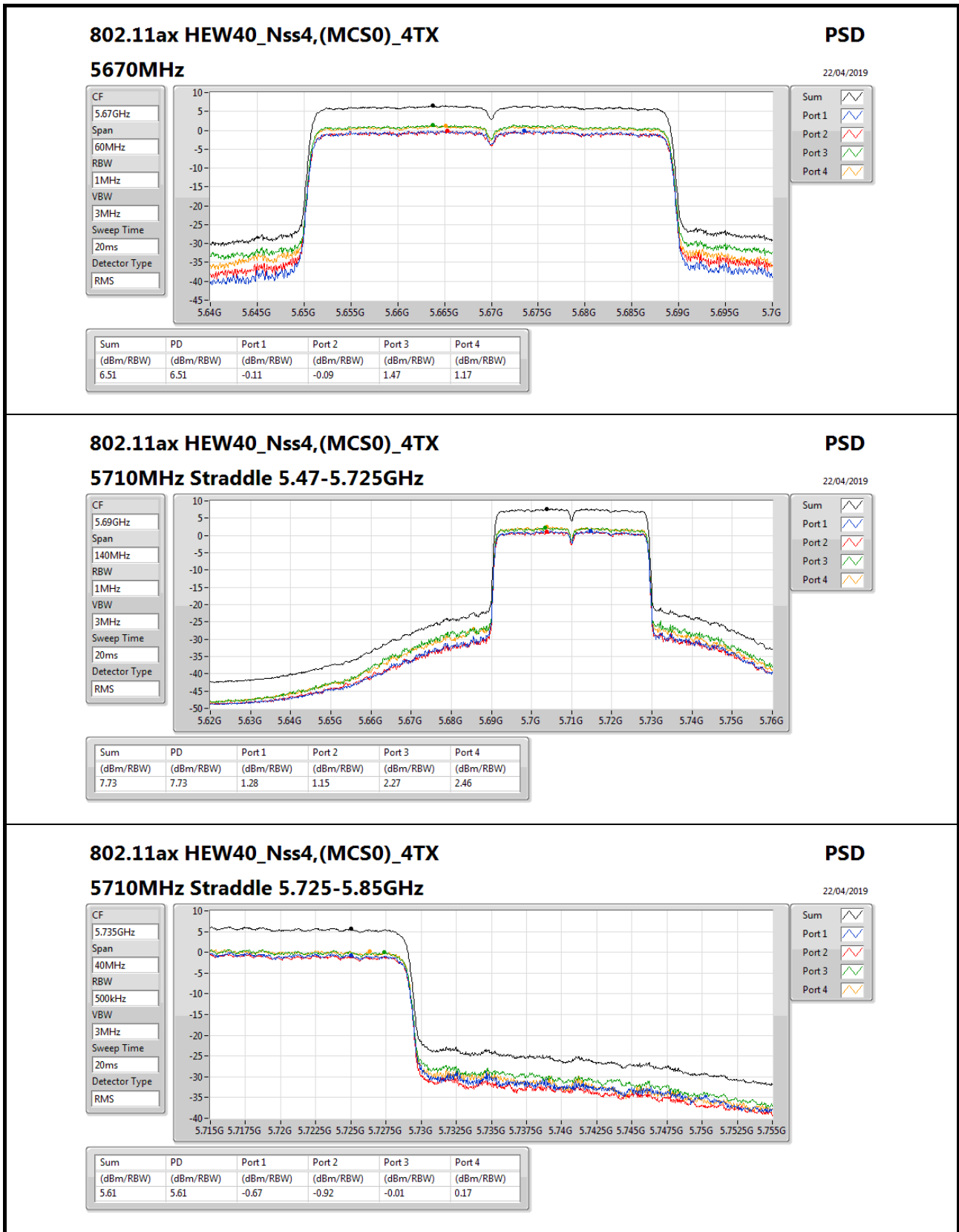
Port 1

Port 2

Port 3

Port 4





802.11ax HEW40_Nss4,(MCS0)_4TX

5710MHz Straddle 5.725-5.85GHz

PSD
22/04/2019

CF

5.735GHz

Span

40MHz

RBW

500kHz

VBW

3MHz

Sweep Time

20ms

Detector Type

RMS

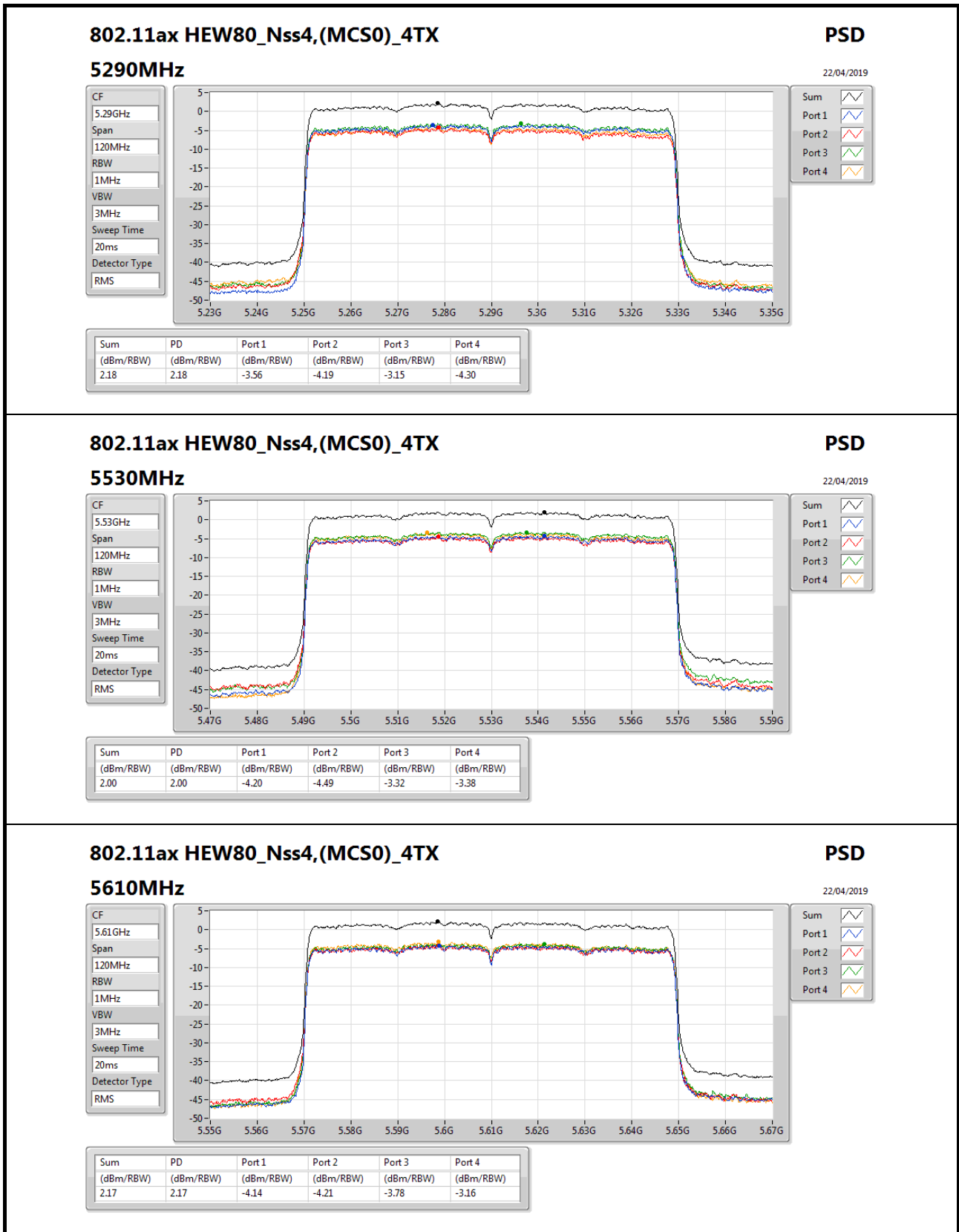
Sum

Port 1

Port 2

Port 3

Port 4



802.11ax HEW80_Nss4,(MCS0)_4TX

5610MHz

PSD
22/04/2019

CF
5.61GHz

Span
120MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS

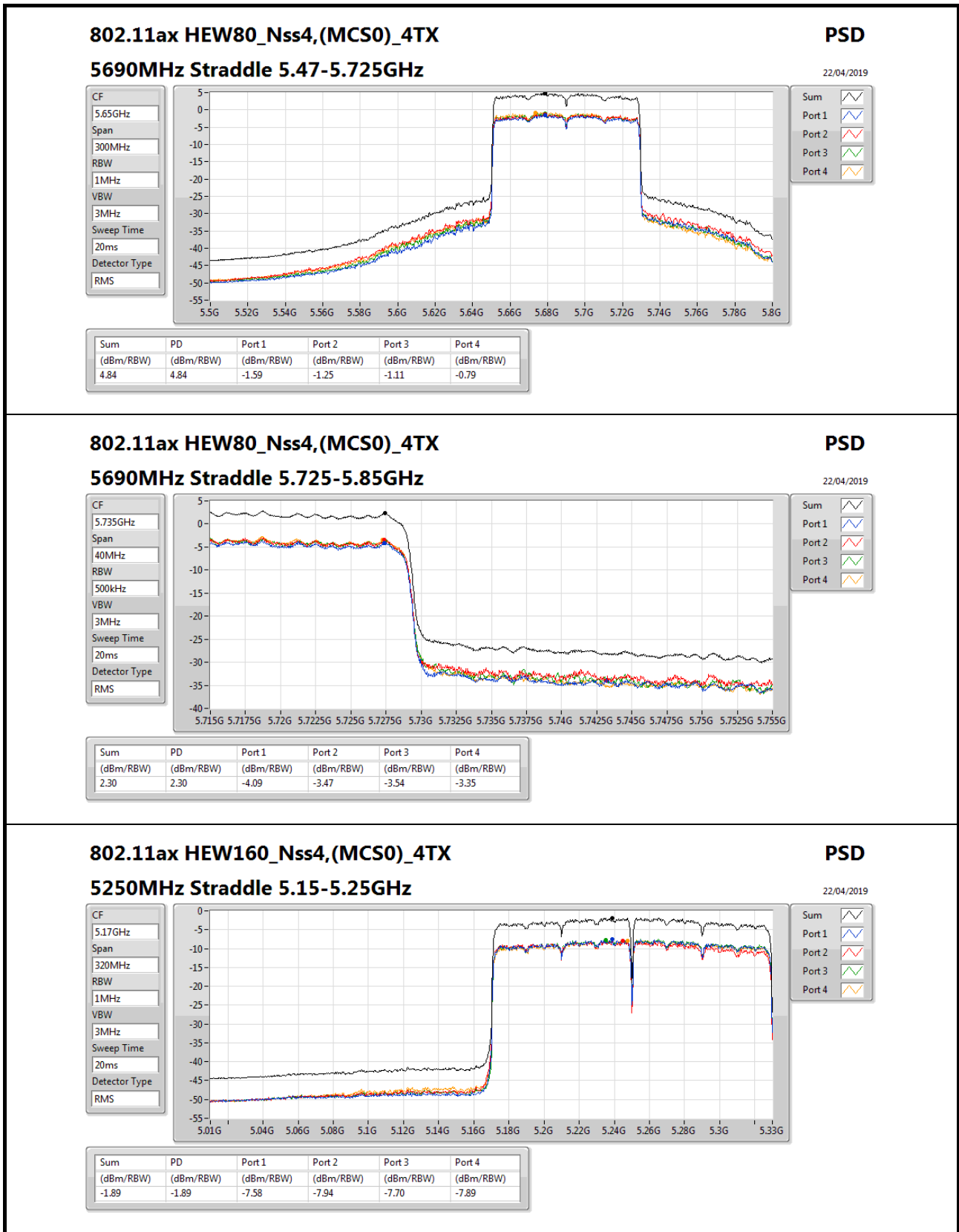
Sum

Port 1

Port 2

Port 3

Port 4

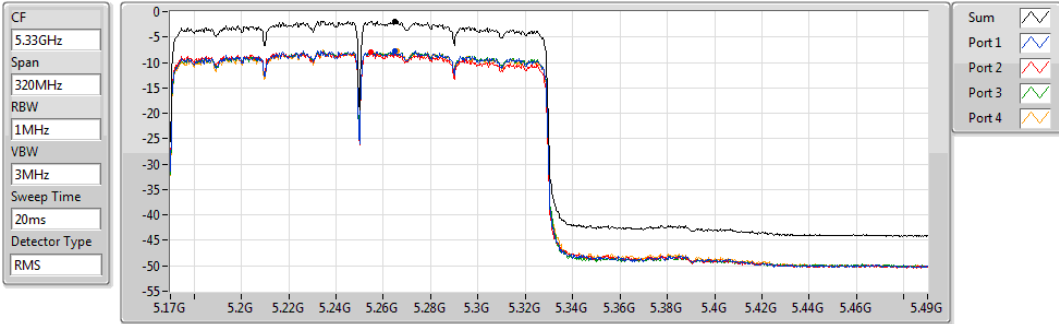


802.11ax HEW160_Nss4,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

22/04/2019



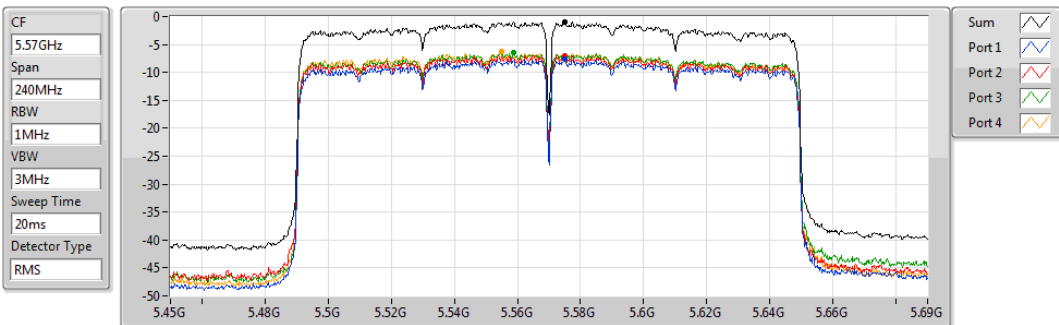
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)
-1.88	-1.88	-7.75	-8.00	-7.68	-7.75

802.11ax HEW160_Nss4,(MCS0)_4TX

PSD

5570MHz

22/04/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)
-0.97	-0.97	-7.70	-6.98	-6.44	-6.28



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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss1,(MCS0)_1TX	-6.39
5.25-5.35GHz	-
802.11ax HEW160_Nss1,(MCS0)_1TX	-6.42

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

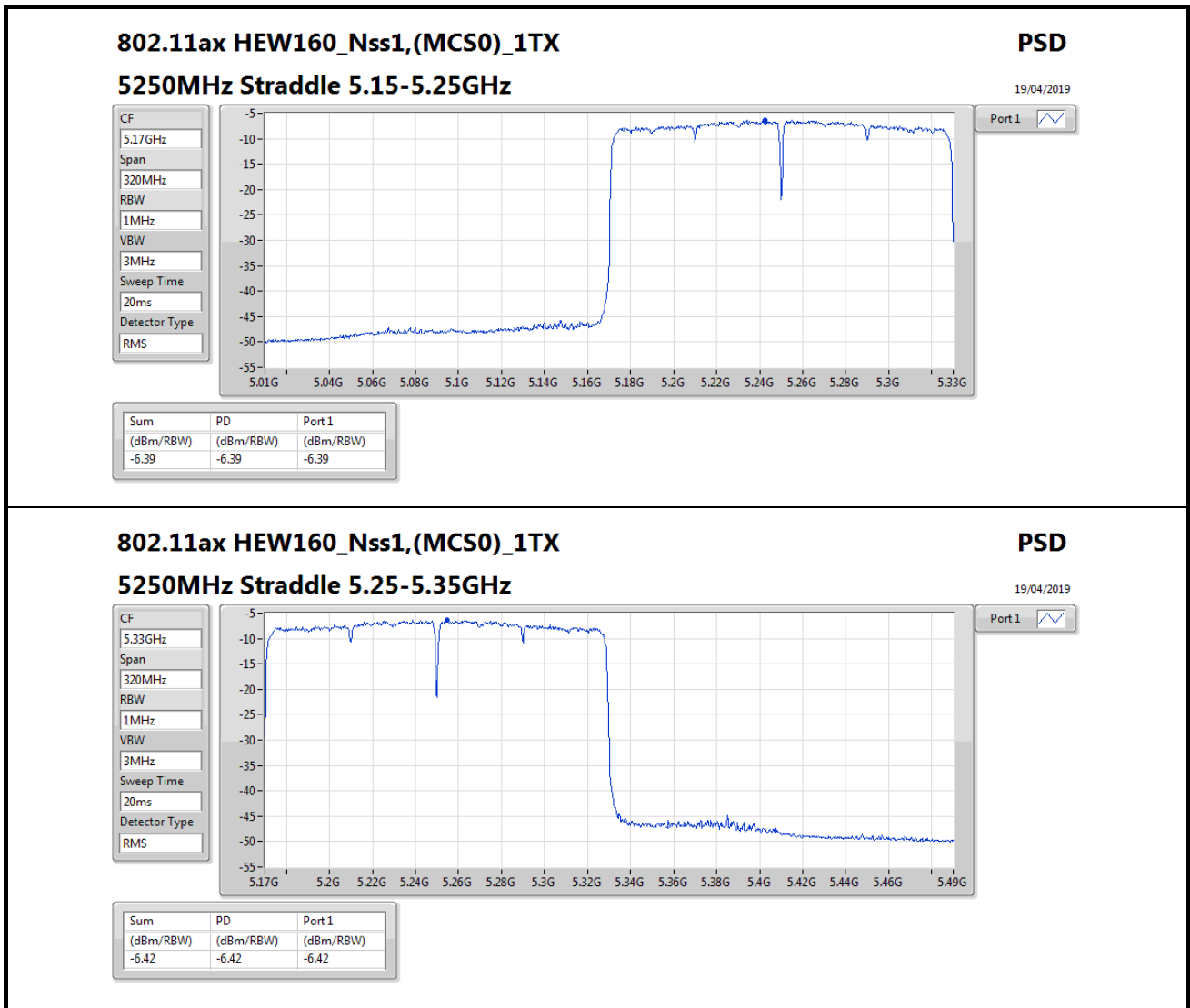


Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.16	-6.39	-6.39	16.84
5250MHz Straddle 5.25-5.35GHz	Pass	6.16	-6.42	-6.42	10.84

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;





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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss2,(MCS0)_2TX	-4.60
5.25-5.35GHz	-
802.11ax HEW160_Nss2,(MCS0)_2TX	-4.12

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)
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.16	-7.34	-7.62	-4.60	16.84
5250MHz Straddle 5.25-5.35GHz	Pass	6.16	-6.76	-7.33	-4.12	10.84

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

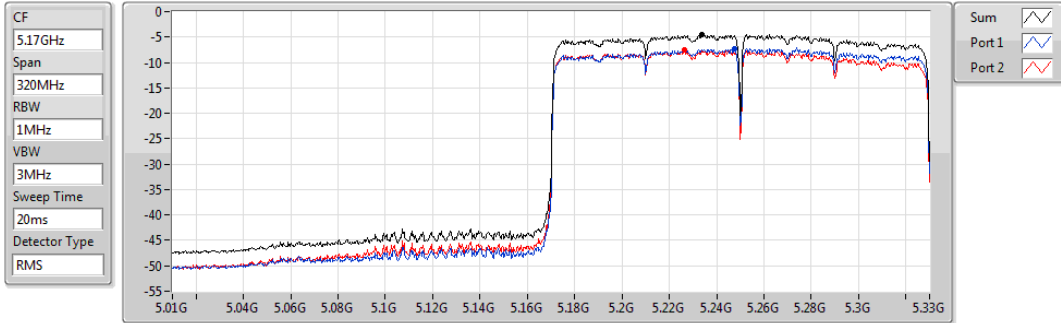
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X power density;

802.11ax HEW160_Nss2,(MCS0)_2TX

PSD

5250MHz Straddle 5.15-5.25GHz

19/04/2019



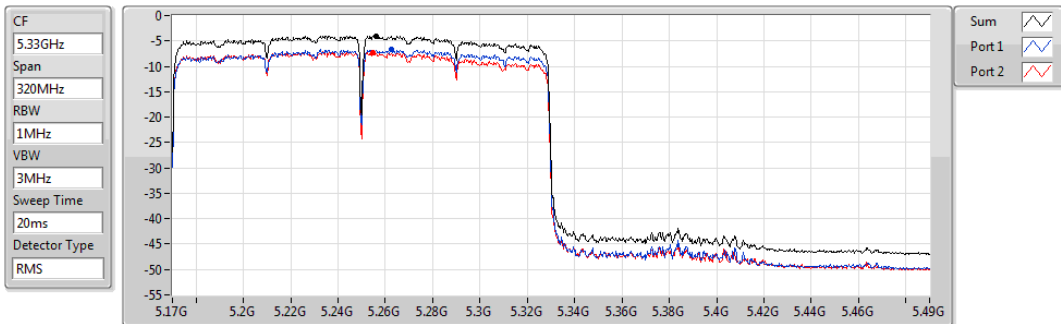
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.60	-4.60	-7.34	-7.62

802.11ax HEW160_Nss2,(MCS0)_2TX

PSD

5250MHz Straddle 5.25-5.35GHz

19/04/2019



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.12	-4.12	-6.76	-7.33



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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss1,(MCS0)_4TX	-2.82
5.25-5.35GHz	-
802.11ax HEW160_Nss1,(MCS0)_4TX	-2.59

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	12.18	-8.88	-8.89	-8.28	-8.81	-2.82	10.82
5250MHz Straddle 5.25-5.35GHz	Pass	12.18	-8.57	-9.13	-8.06	-8.50	-2.59	4.82

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

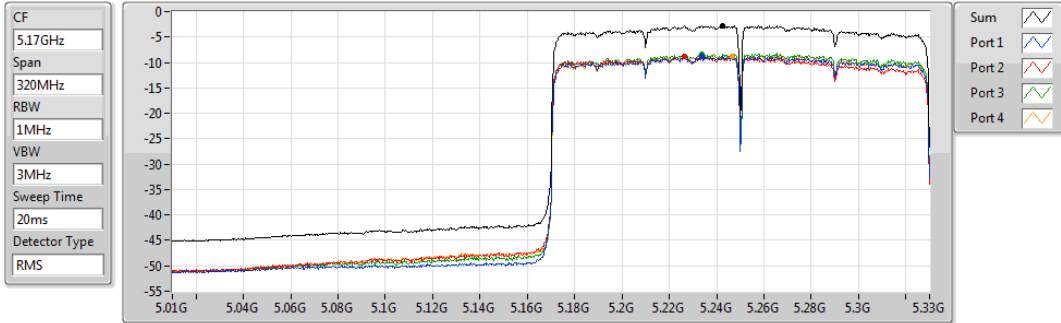
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

20/04/2019



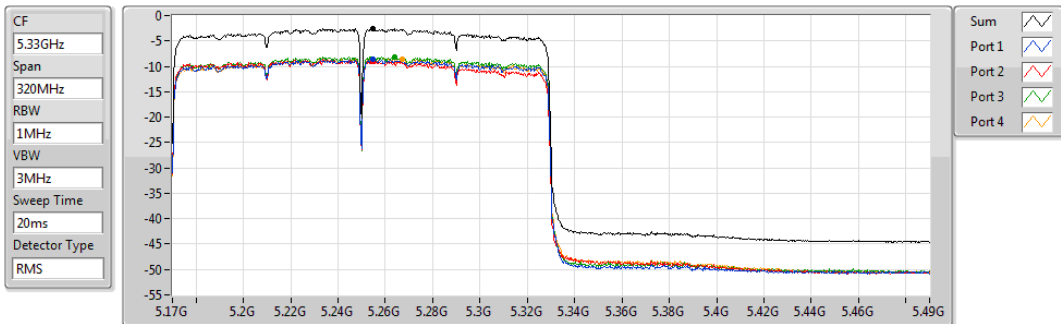
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)
-2.82	-2.82	-8.88	-8.89	-8.28	-8.81

802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

20/04/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)
-2.59	-2.59	-8.57	-9.13	-8.06	-8.50



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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-6.62
5.25-5.35GHz	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-6.93

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	12.18	-12.18	-12.61	-12.33	-13.45	-6.62	10.82
5250MHz Straddle 5.25-5.35GHz	Pass	12.18	-12.47	-12.71	-12.58	-13.55	-6.93	4.82

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

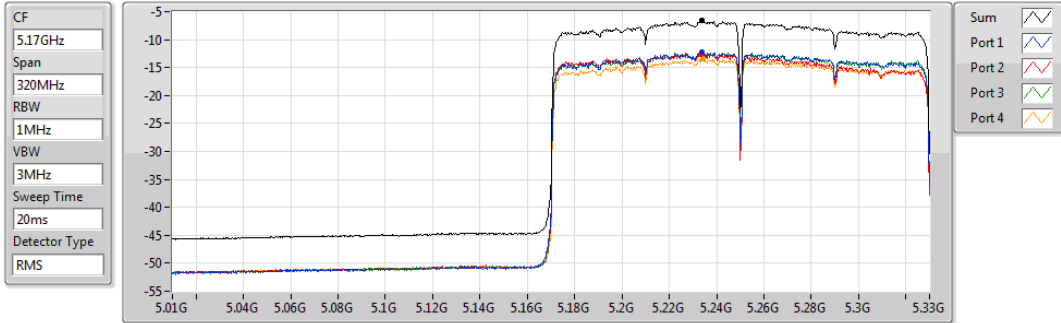
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

15/05/2019



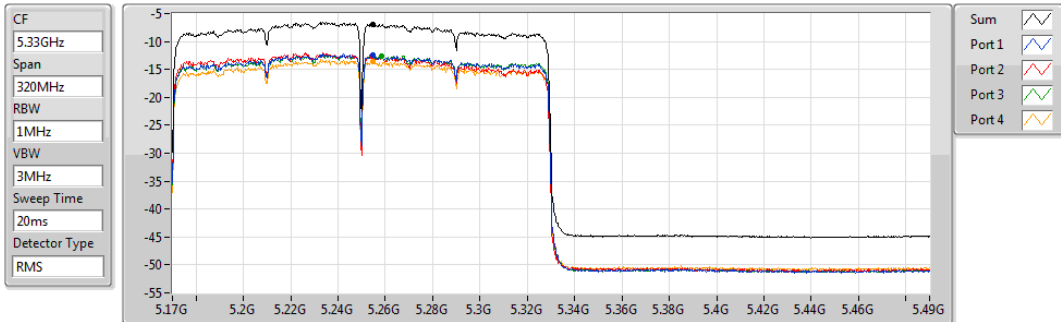
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.62	-6.62	-12.18	-12.61	-12.33	-13.45

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

15/05/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.93	-6.93	-12.47	-12.71	-12.58	-13.55



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

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss4,(MCS0)_4TX	-1.89
5.25-5.35GHz	-
802.11ax HEW160_Nss4,(MCS0)_4TX	-1.88

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.16	-7.58	-7.94	-7.70	-7.89	-1.89	16.84
5250MHz Straddle 5.25-5.35GHz	Pass	6.16	-7.75	-8.00	-7.68	-7.75	-1.88	10.84

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

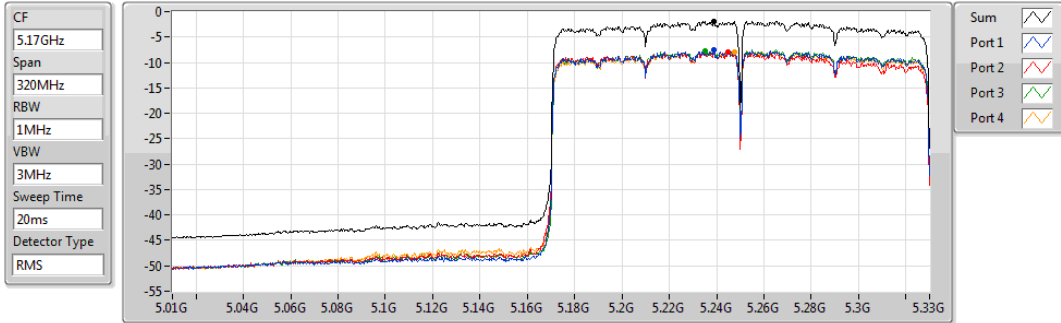
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ax HEW160_Nss4,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

22/04/2019



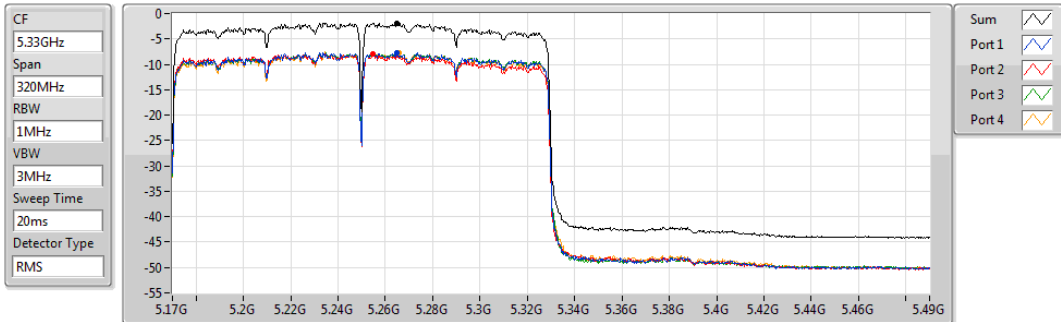
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.89	-1.89	-7.58	-7.94	-7.70	-7.89

802.11ax HEW160_Nss4,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

22/04/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.88	-1.88	-7.75	-8.00	-7.68	-7.75



**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss1,(MCS0)_1TX	-7.16
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.45
802.11ax HEW20_Nss1,(MCS0)_1TX	6.43
802.11ax HEW40_Nss1,(MCS0)_1TX	2.63
802.11ax HEW80_Nss1,(MCS0)_1TX	-2.53
802.11ax HEW160_Nss1,(MCS0)_1TX	-6.91
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	8.25
802.11ax HEW20_Nss1,(MCS0)_1TX	7.75
802.11ax HEW40_Nss1,(MCS0)_1TX	4.96
802.11ax HEW80_Nss1,(MCS0)_1TX	1.13
802.11ax HEW160_Nss1,(MCS0)_1TX	-6.42
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	5.54
802.11ax HEW20_Nss1,(MCS0)_1TX	4.68
802.11ax HEW40_Nss1,(MCS0)_1TX	2.09
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.09

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

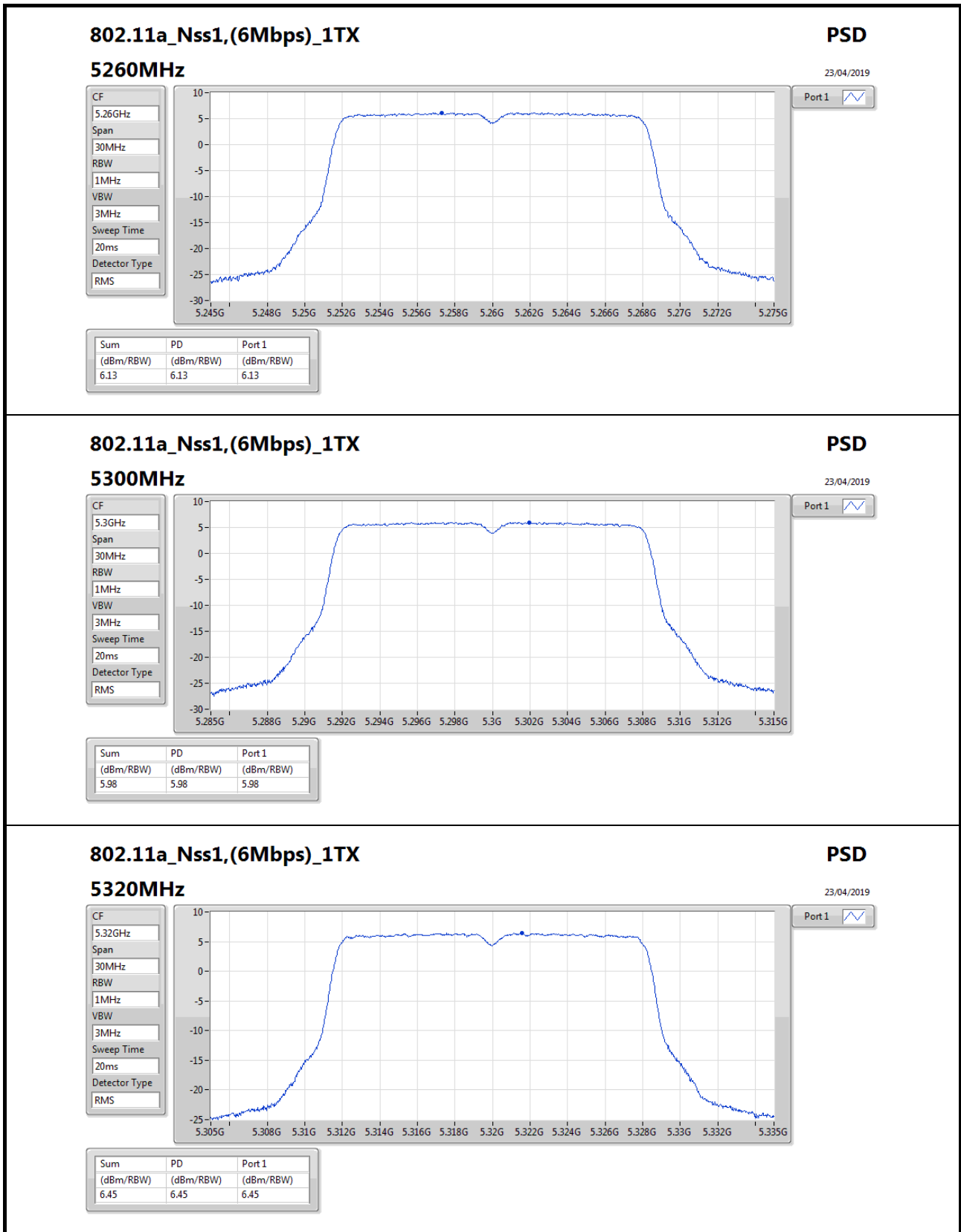


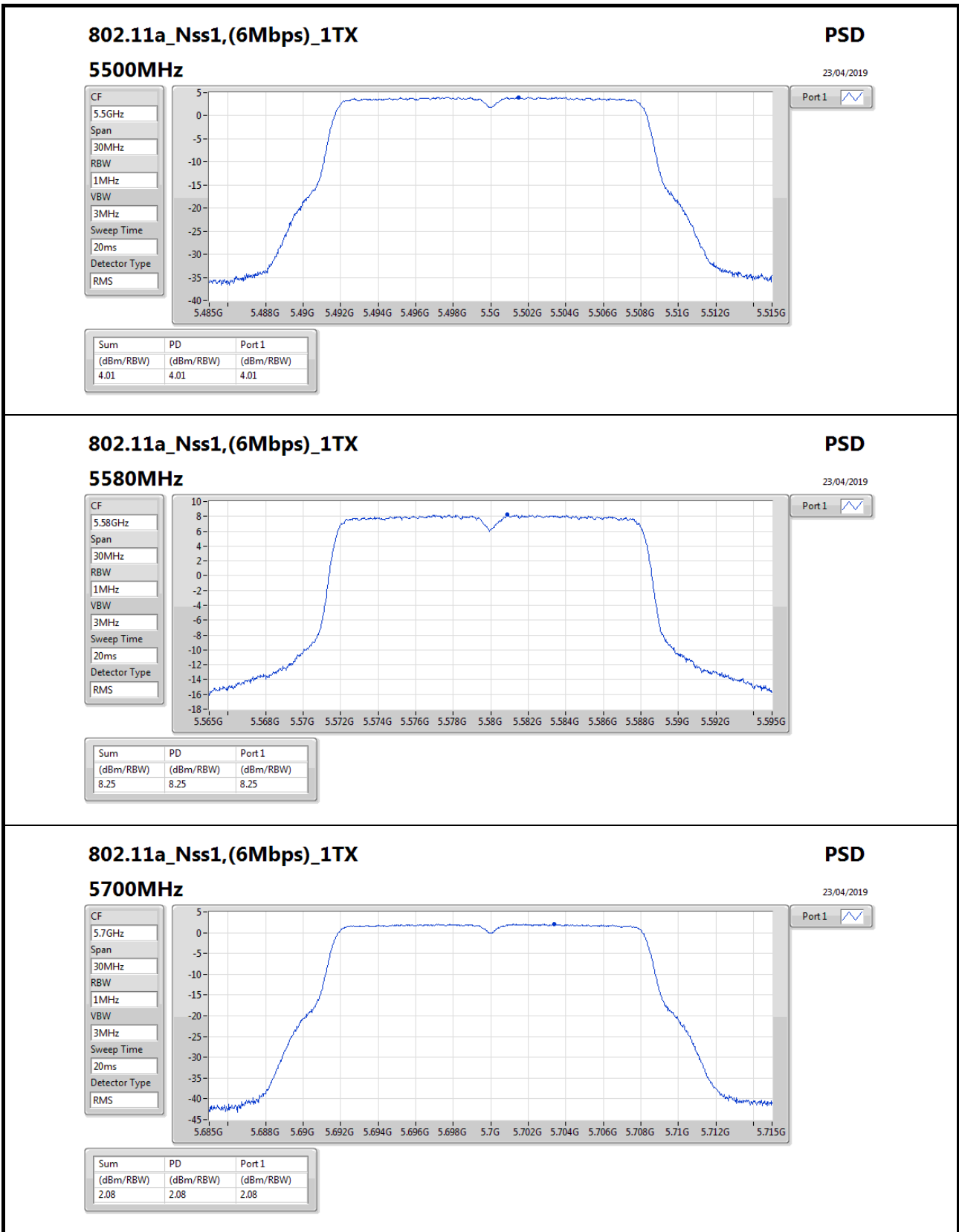
Result

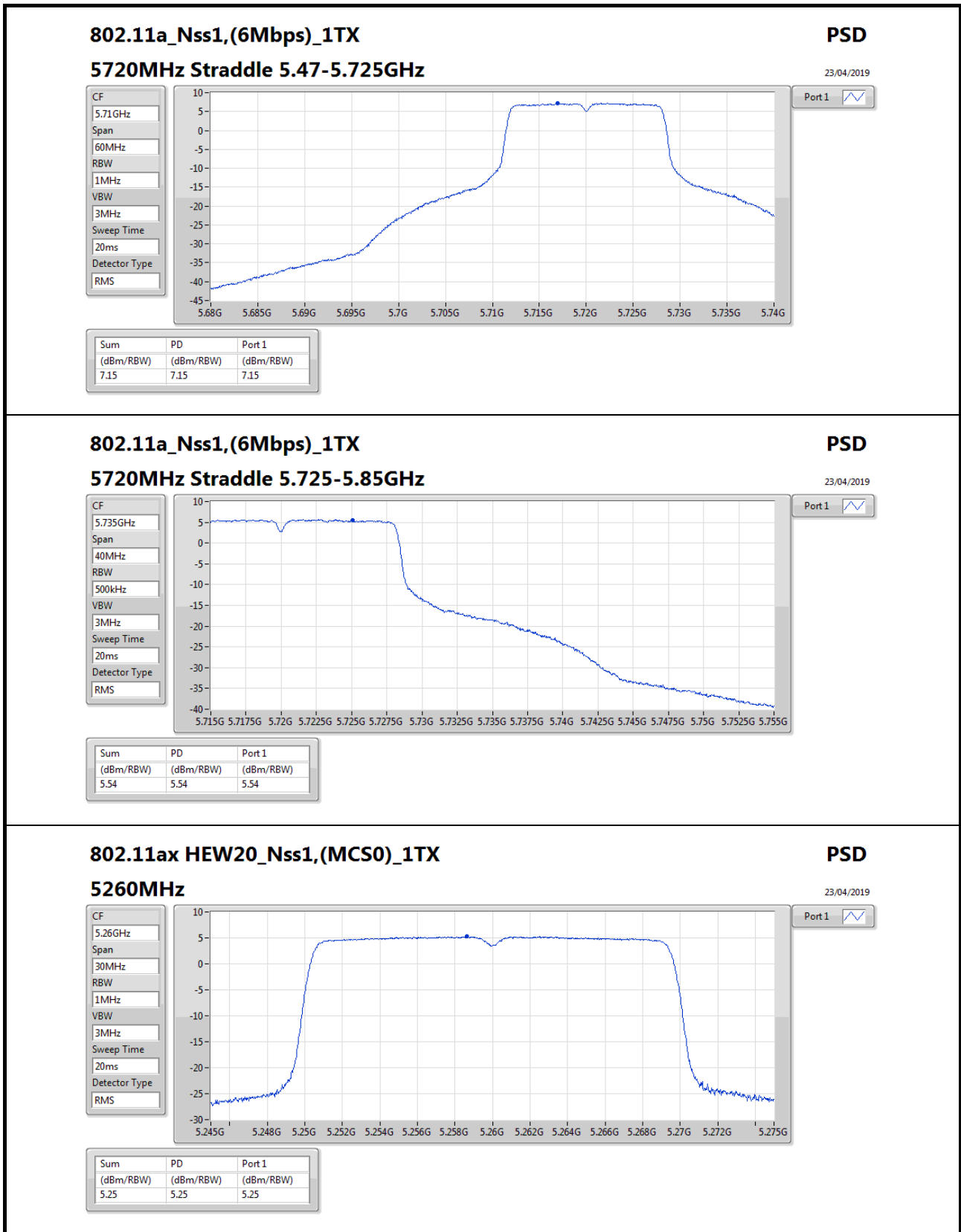
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5260MHz	Pass	7.93	6.13	6.13	9.07
5300MHz	Pass	7.93	5.98	5.98	9.07
5320MHz	Pass	7.93	6.45	6.45	9.07
5500MHz	Pass	7.93	4.01	4.01	9.07
5580MHz	Pass	7.93	8.25	8.25	9.07
5700MHz	Pass	7.93	2.08	2.08	9.07
5720MHz Straddle 5.47-5.725GHz	Pass	7.93	7.15	7.15	9.07
5720MHz Straddle 5.725-5.85GHz	Pass	7.93	5.54	5.54	28.07
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5260MHz	Pass	7.93	5.25	5.25	9.07
5300MHz	Pass	7.93	6.43	6.43	9.07
5320MHz	Pass	7.93	5.65	5.65	9.07
5500MHz	Pass	7.93	3.42	3.42	9.07
5580MHz	Pass	7.93	7.75	7.75	9.07
5700MHz	Pass	7.93	1.38	1.38	9.07
5720MHz Straddle 5.47-5.725GHz	Pass	7.93	6.34	6.34	9.07
5720MHz Straddle 5.725-5.85GHz	Pass	7.93	4.68	4.68	28.07
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5270MHz	Pass	7.93	2.63	2.63	9.07
5310MHz	Pass	7.93	0.42	0.42	9.07
5510MHz	Pass	7.93	-1.44	-1.44	9.07
5550MHz	Pass	7.93	4.96	4.96	9.07
5670MHz	Pass	7.93	0.22	0.22	9.07
5710MHz Straddle 5.47-5.725GHz	Pass	7.93	3.88	3.88	9.07
5710MHz Straddle 5.725-5.85GHz	Pass	7.93	2.09	2.09	28.07
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5290MHz	Pass	7.93	-2.53	-2.53	9.07
5530MHz	Pass	7.93	-3.07	-3.07	9.07
5610MHz	Pass	7.93	0.34	0.34	9.07
5690MHz Straddle 5.47-5.725GHz	Pass	7.93	1.13	1.13	9.07
5690MHz Straddle 5.725-5.85GHz	Pass	7.93	-1.09	-1.09	28.07
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.93	-7.16	-7.16	15.07
5250MHz Straddle 5.25-5.35GHz	Pass	7.93	-6.91	-6.91	9.07
5570MHz	Pass	7.93	-6.42	-6.42	9.07

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

5260MHz

PSD

23/04/2019

CF
5.26GHz

Span
30MHz

RBW
1MHz

VBW
3MHz

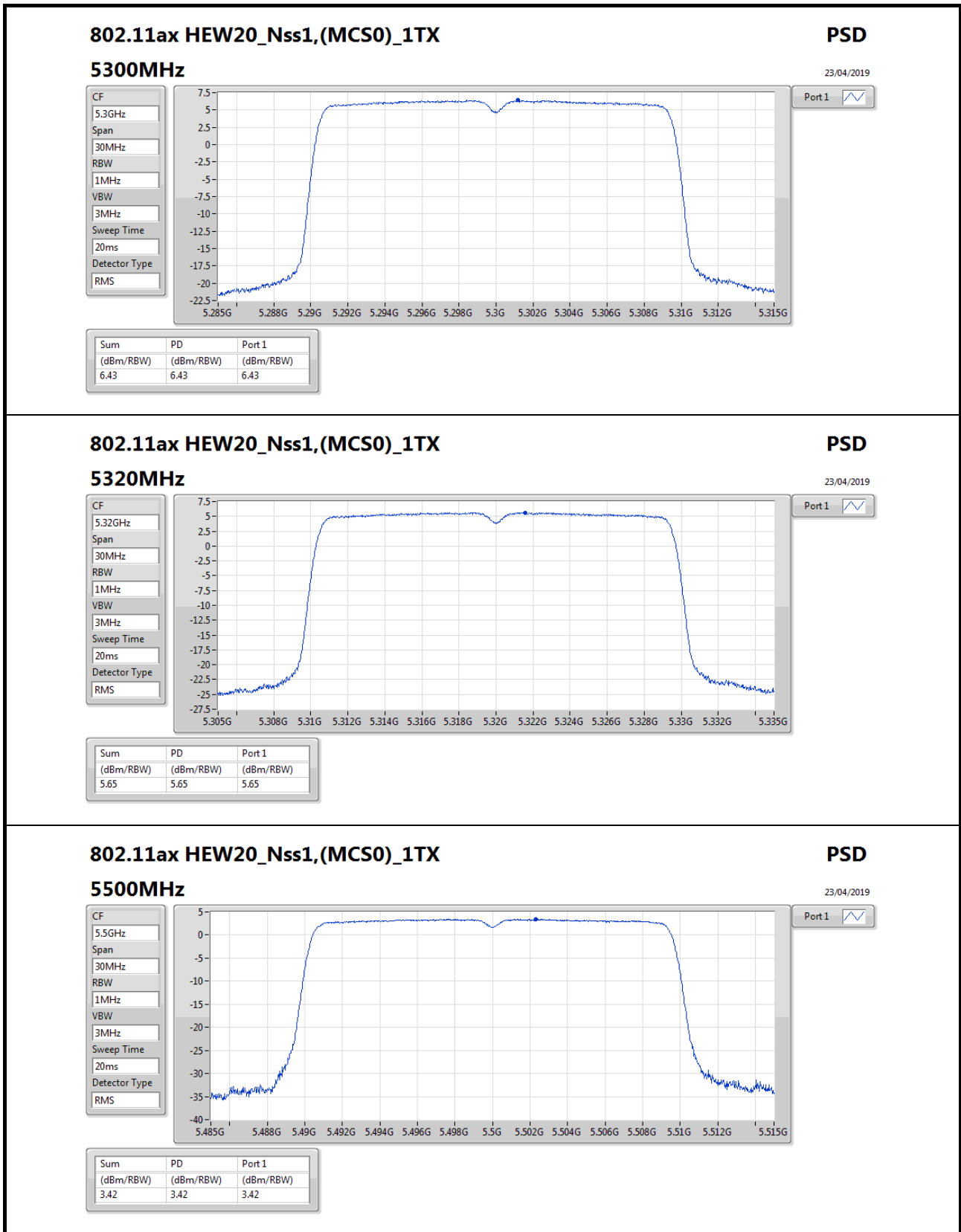
Sweep Time
20ms

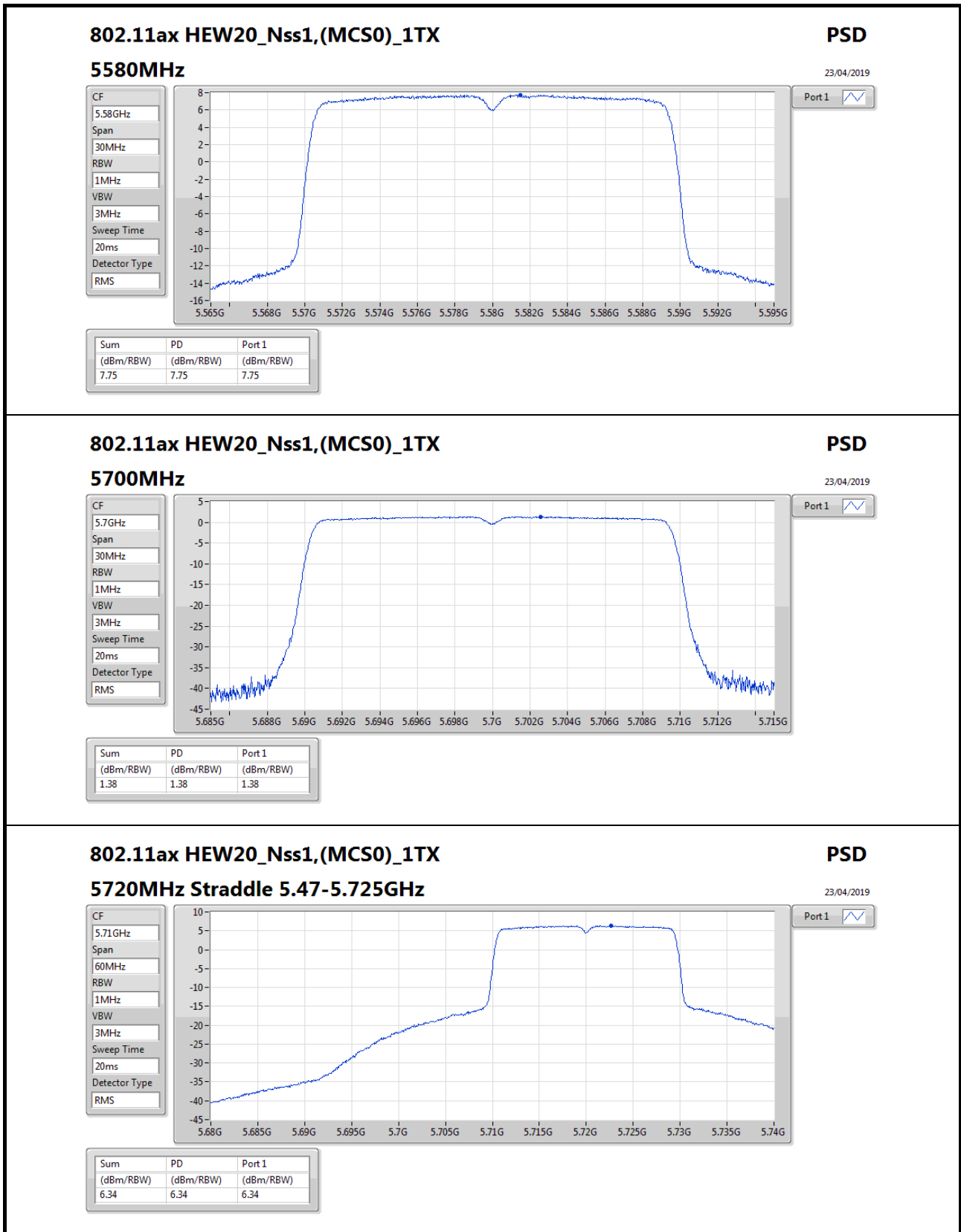
Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.25	5.25	5.25





802.11ax HEW20_Nss1,(MCS0)_1TX

5720MHz Straddle 5.47-5.725GHz

PSD
23/04/2019

CF
5.71GHz

Span
60MHz

RBW
1MHz

VBW
3MHz

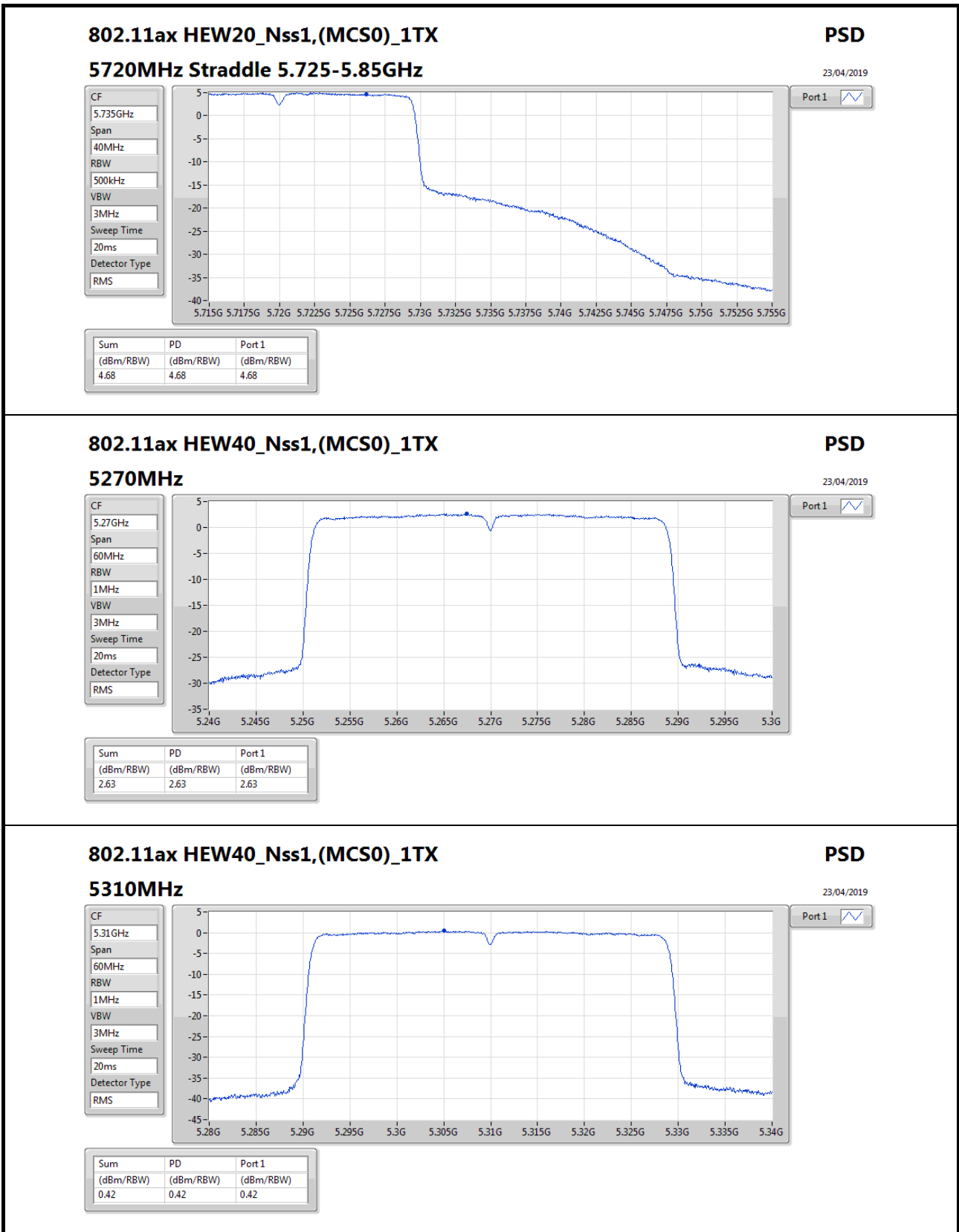
Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.34	6.34	6.34



802.11ax HEW40_Nss1,(MCS0)_1TX

5310MHz

PSD

23/04/2019

CF

5.31GHz

Span

60MHz

RBW

1MHz

VBW

3MHz

Sweep Time

20ms

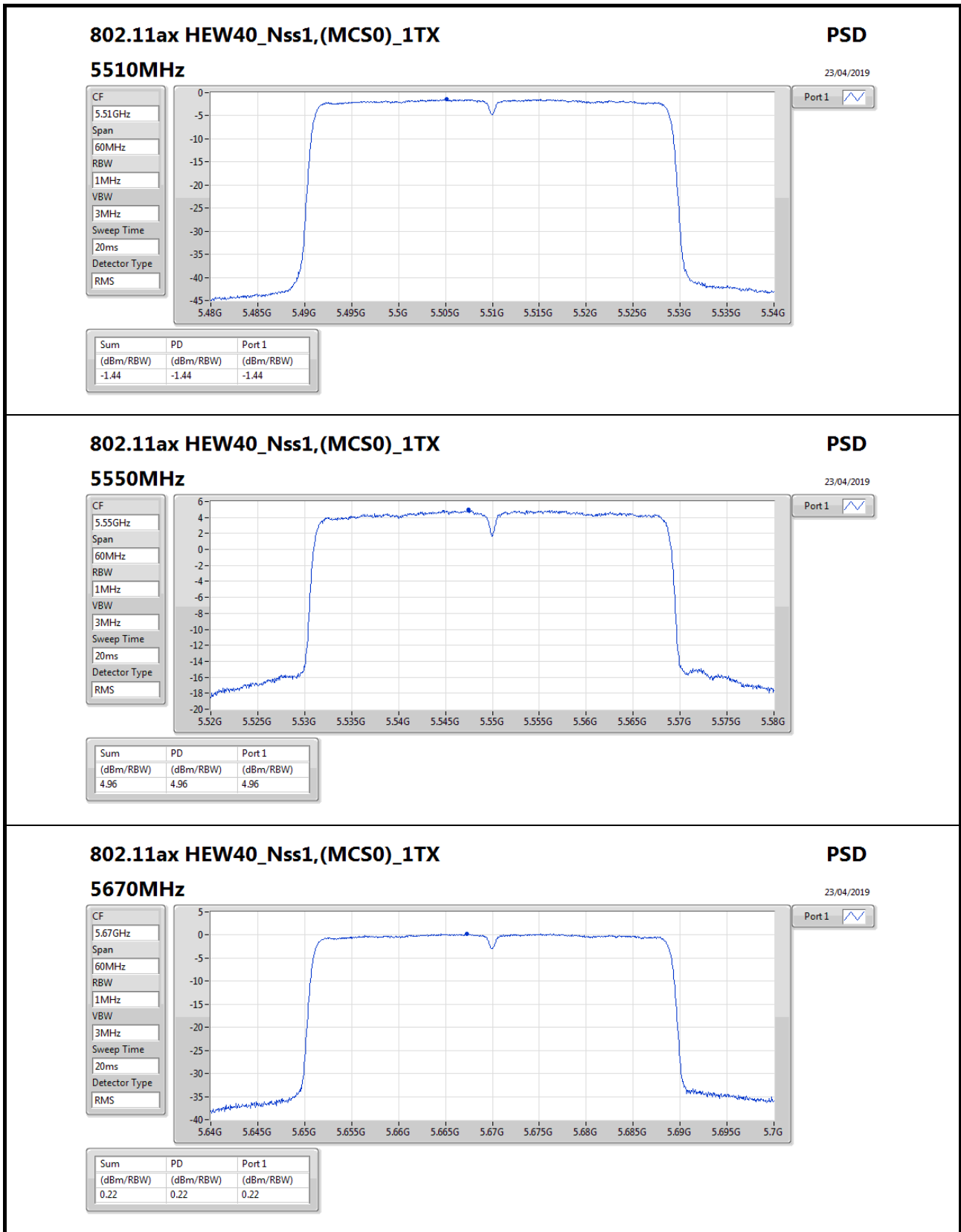
Detector Type

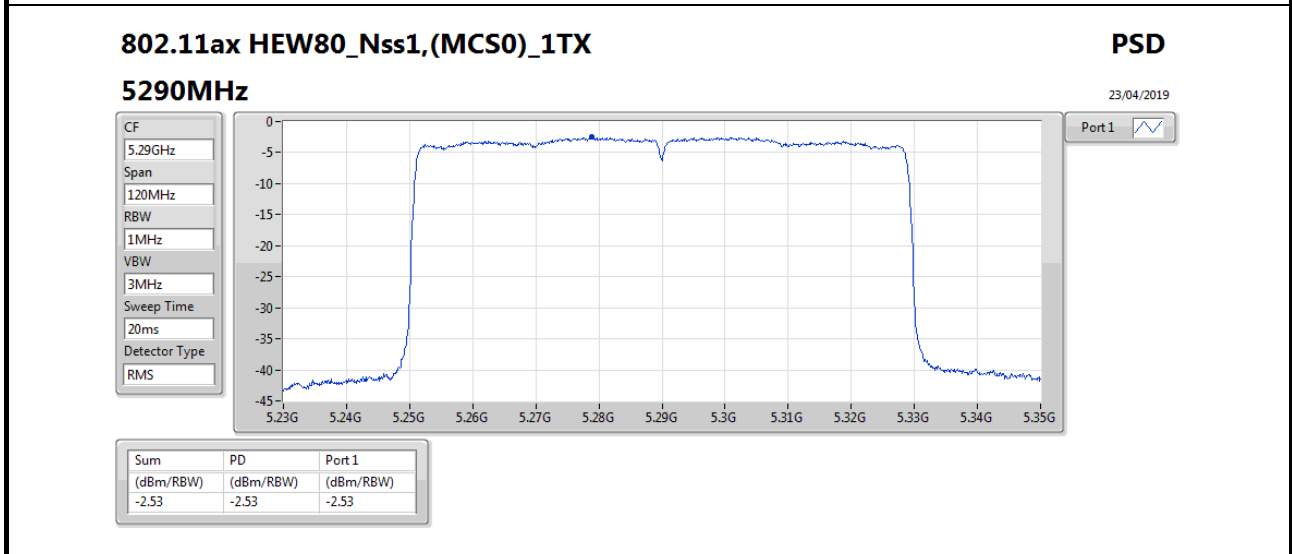
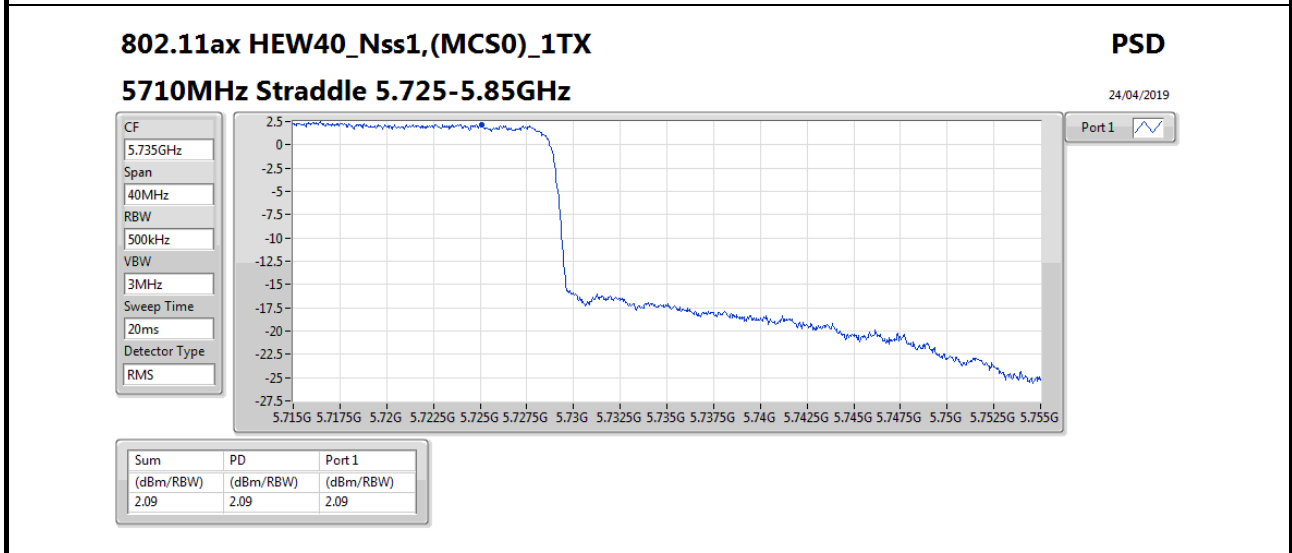
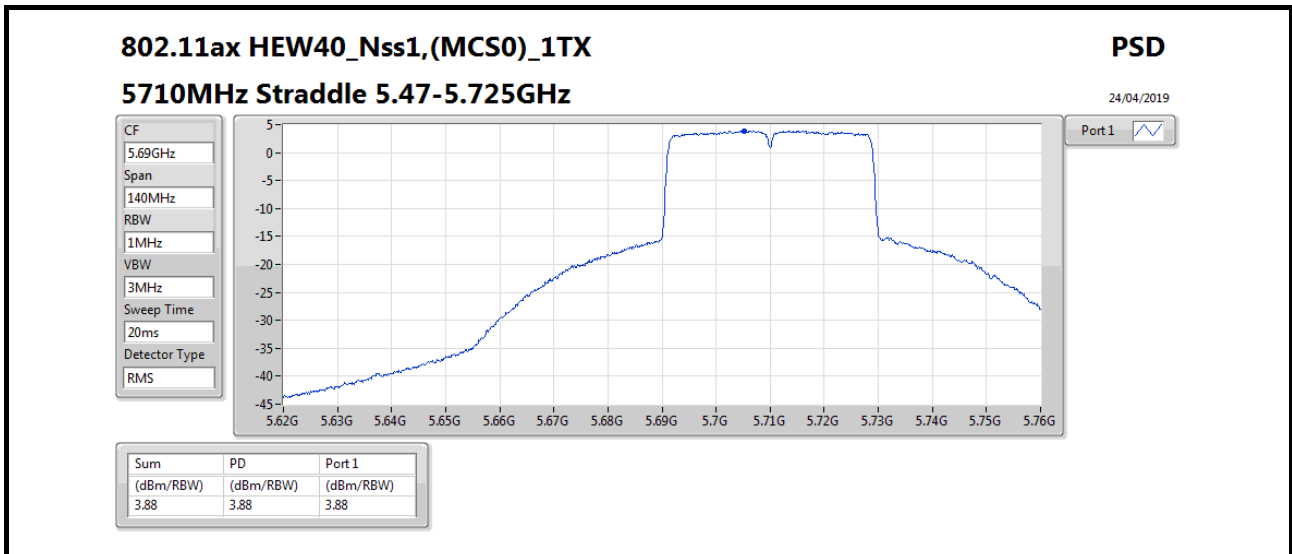
RMS

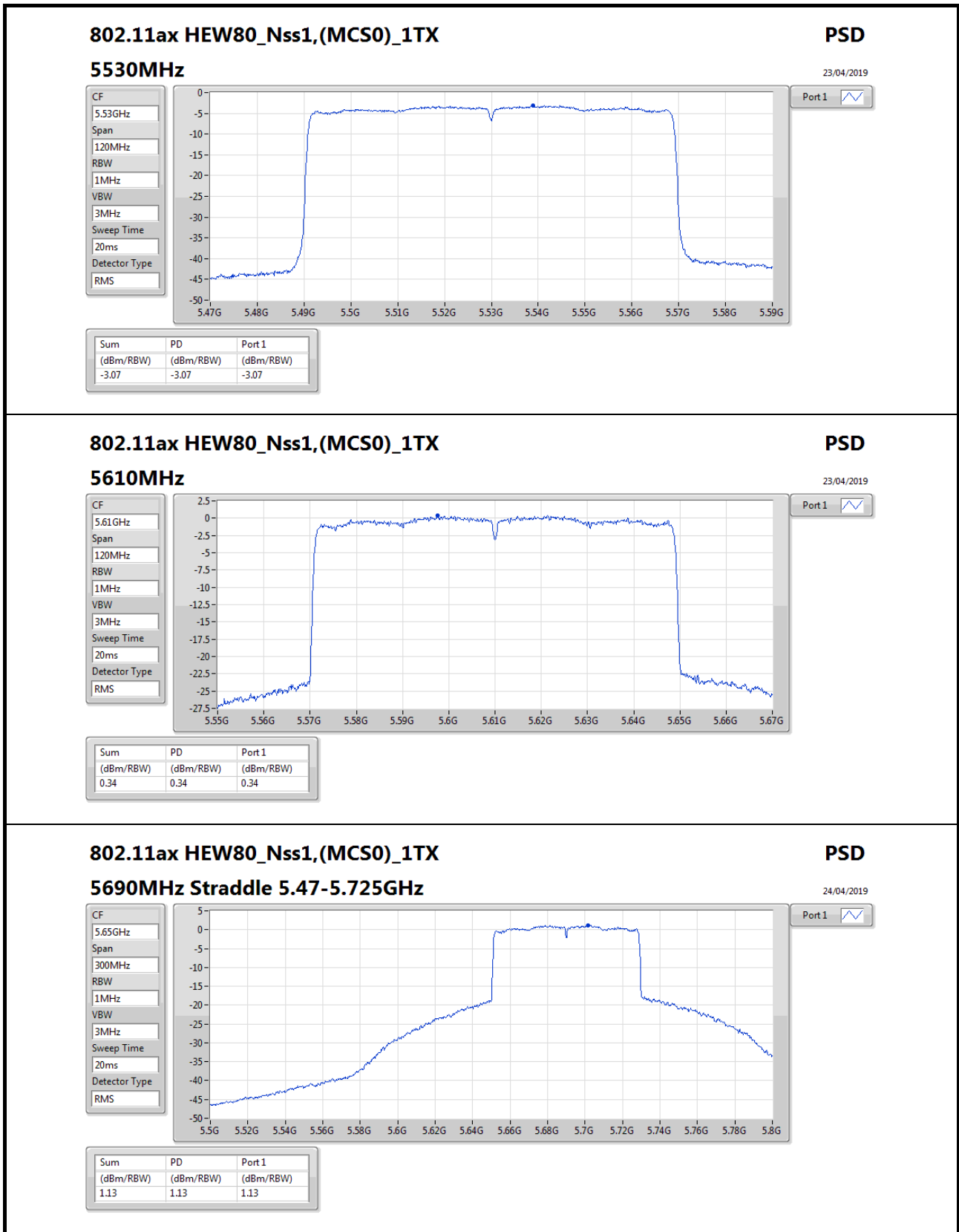


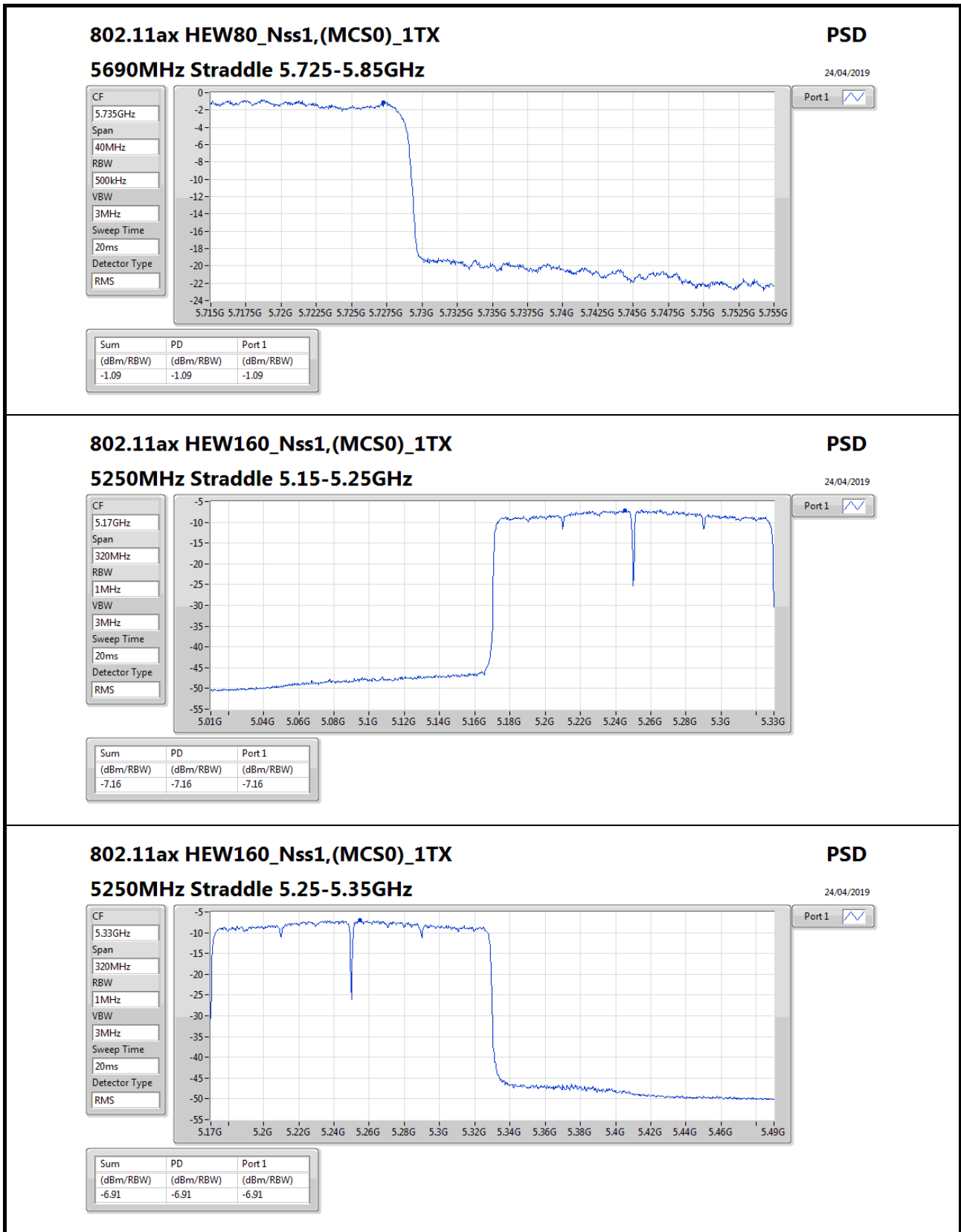
Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.42	0.42	0.42









802.11ax HEW160_Nss1,(MCS0)_1TX

5250MHz Straddle 5.25-5.35GHz

PSD

24/04/2019

CF

5.33GHz

Span

320MHz

RBW

1MHz

VBW

3MHz

Sweep Time

20ms

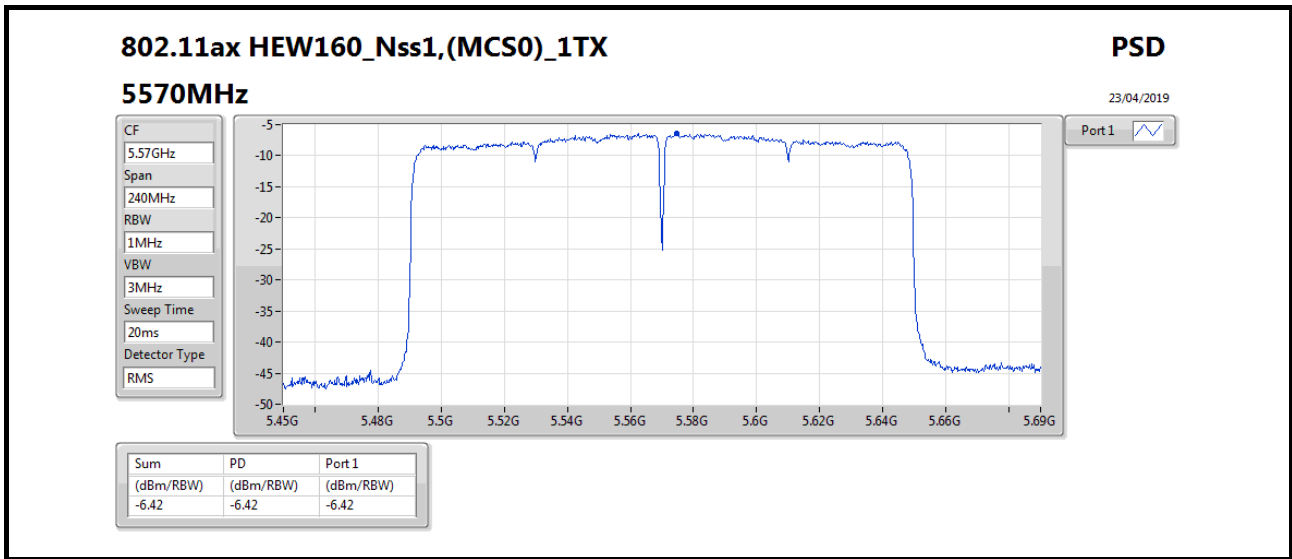
Detector Type

RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.91	-6.91	-6.91





**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss2,(MCS0)_2TX	-5.32
5.25-5.35GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	8.33
802.11ax HEW40_Nss2,(MCS0)_2TX	5.59
802.11ax HEW80_Nss2,(MCS0)_2TX	-1.50
802.11ax HEW160_Nss2,(MCS0)_2TX	-5.16
5.47-5.725GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	8.82
802.11ax HEW40_Nss2,(MCS0)_2TX	5.86
802.11ax HEW80_Nss2,(MCS0)_2TX	2.73
802.11ax HEW160_Nss2,(MCS0)_2TX	-6.13
5.725-5.85GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	7.12
802.11ax HEW40_Nss2,(MCS0)_2TX	3.63
802.11ax HEW80_Nss2,(MCS0)_2TX	0.15

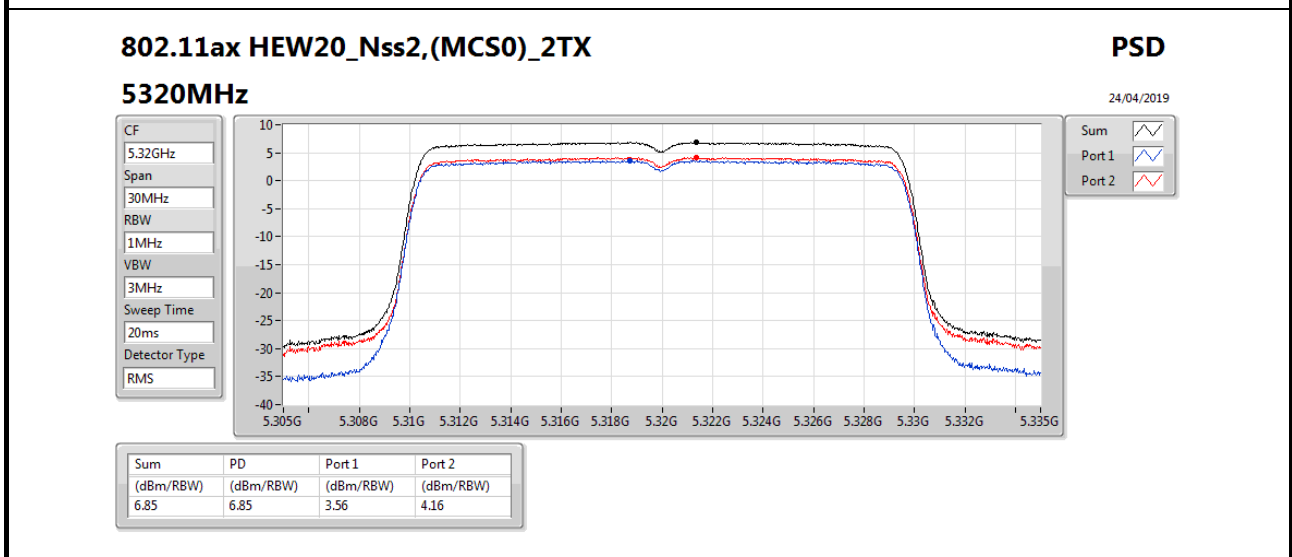
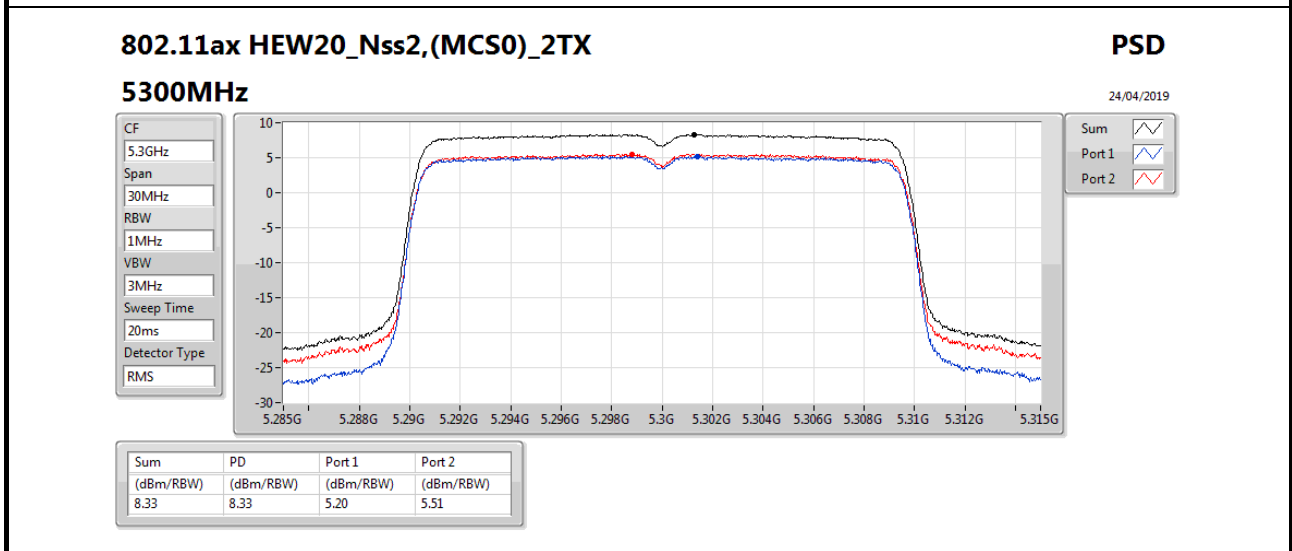
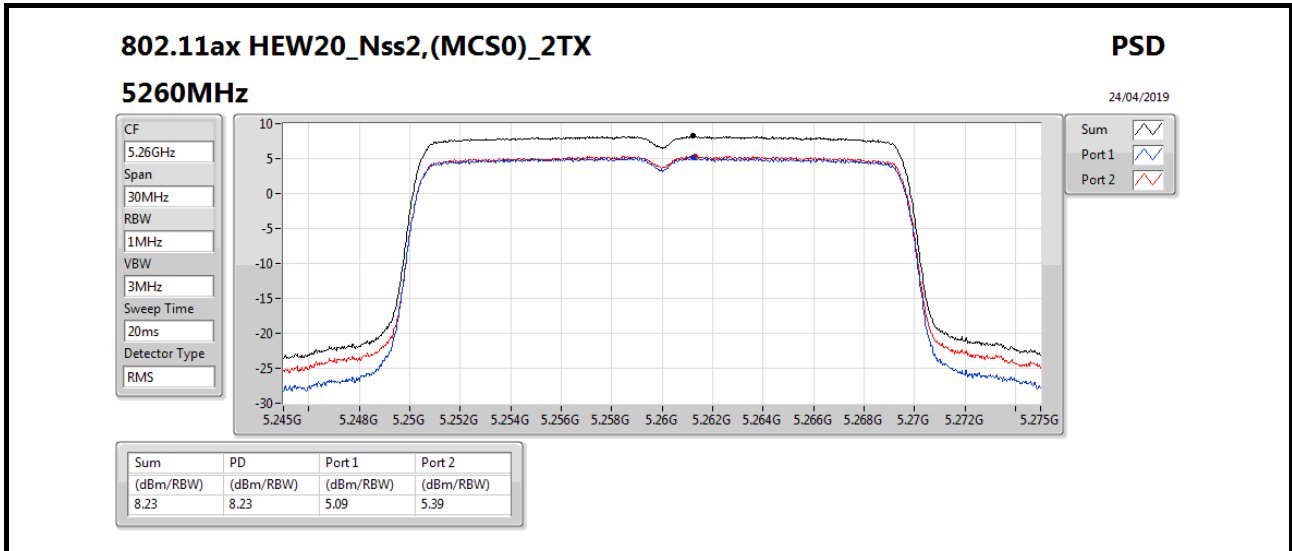
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

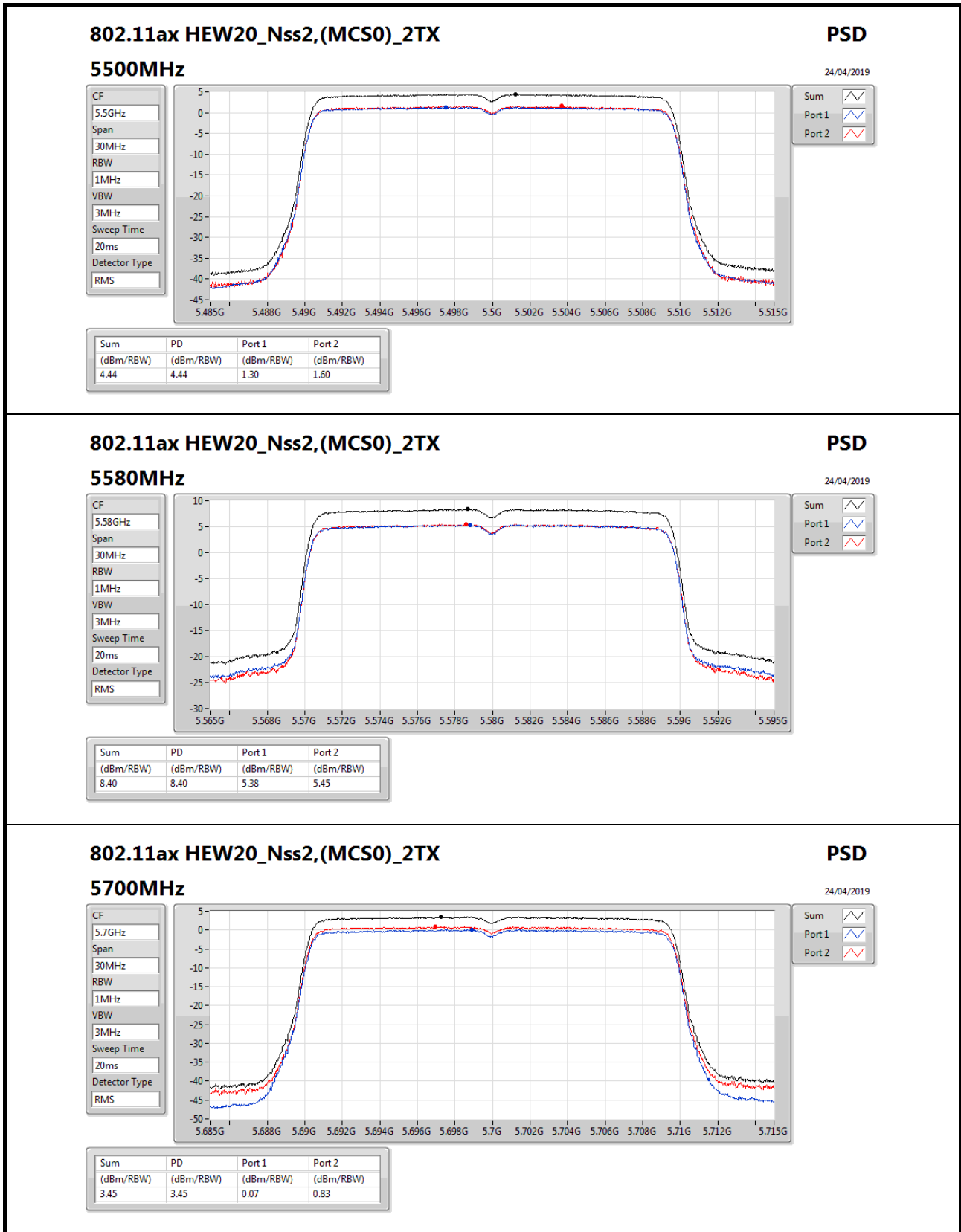


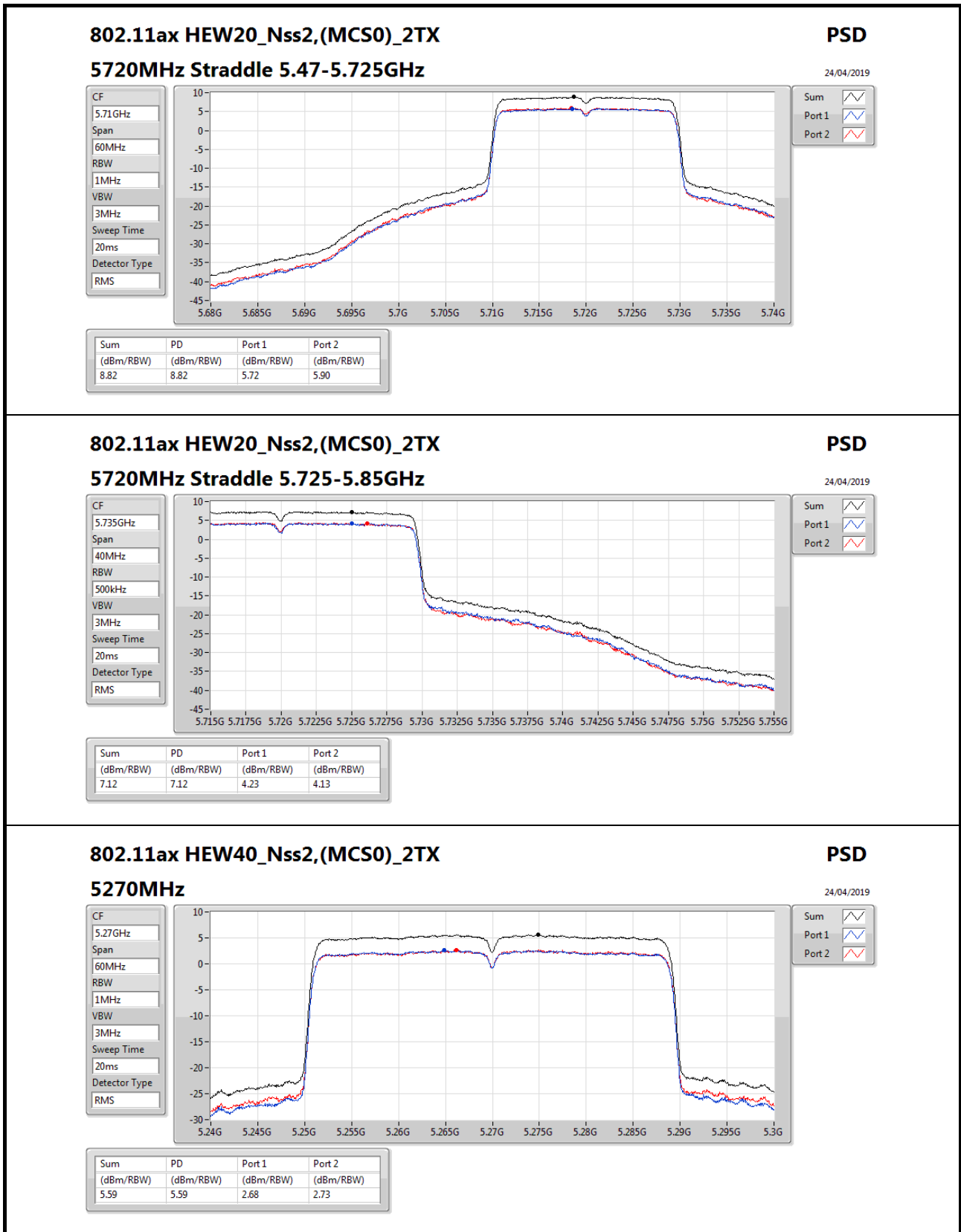
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	7.93	5.09	5.39	8.23	9.07
5300MHz	Pass	7.93	5.20	5.51	8.33	9.07
5320MHz	Pass	7.93	3.56	4.16	6.85	9.07
5500MHz	Pass	7.93	1.30	1.60	4.44	9.07
5580MHz	Pass	7.93	5.38	5.45	8.40	9.07
5700MHz	Pass	7.93	0.07	0.83	3.45	9.07
5720MHz Straddle 5.47-5.725GHz	Pass	7.93	5.72	5.90	8.82	9.07
5720MHz Straddle 5.725-5.85GHz	Pass	7.93	4.23	4.13	7.12	28.07
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	7.93	2.68	2.73	5.59	9.07
5310MHz	Pass	7.93	-0.80	-0.67	2.19	9.07
5510MHz	Pass	7.93	-2.44	-1.71	0.89	9.07
5550MHz	Pass	7.93	3.00	2.89	5.86	9.07
5670MHz	Pass	7.93	-1.37	-1.01	1.74	9.07
5710MHz Straddle 5.47-5.725GHz	Pass	7.93	2.75	2.57	5.60	9.07
5710MHz Straddle 5.725-5.85GHz	Pass	7.93	0.81	0.49	3.63	28.07
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	7.93	-4.43	-4.48	-1.50	9.07
5530MHz	Pass	7.93	-5.24	-5.18	-2.26	9.07
5610MHz	Pass	7.93	-1.96	-1.69	1.12	9.07
5690MHz Straddle 5.47-5.725GHz	Pass	7.93	-0.36	0.01	2.73	9.07
5690MHz Straddle 5.725-5.85GHz	Pass	7.93	-2.81	-2.89	0.15	28.07
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.93	-8.32	-8.30	-5.32	15.07
5250MHz Straddle 5.25-5.35GHz	Pass	7.93	-8.34	-7.94	-5.16	9.07
5570MHz	Pass	7.93	-9.29	-8.93	-6.13	9.07

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 HEW40_Nss2,(MCS0)_2TX

5270MHz

PSD
24/04/2019

CF
5.27GHz

Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

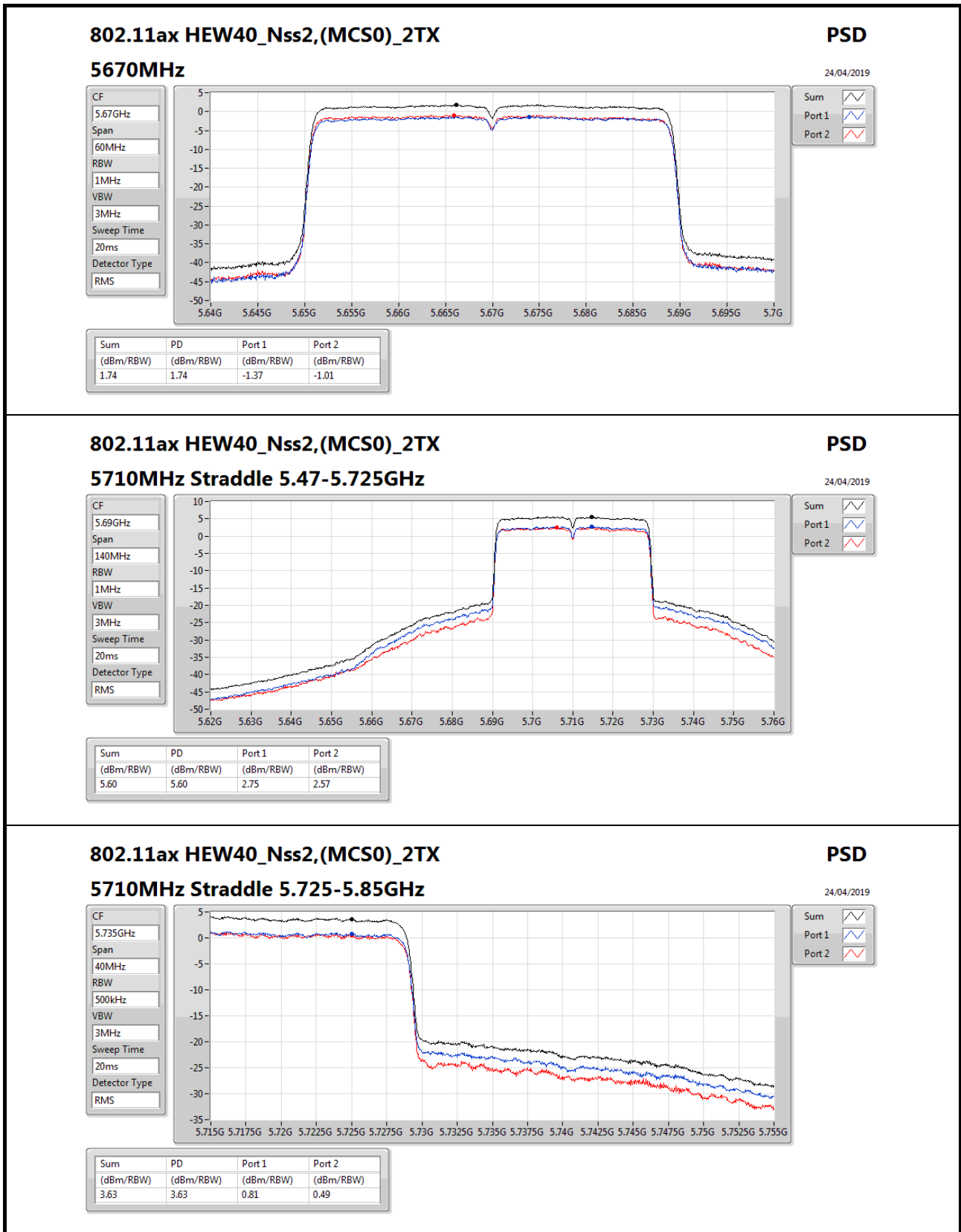
Detector Type
RMS

Sum

Port 1

Port 2





802.11ax HEW40_Nss2,(MCS0)_2TX

5710MHz Straddle 5.725-5.85GHz

PSD
24/04/2019

CF
5.735GHz

Span
40MHz

RBW
500kHz

VBW
3MHz

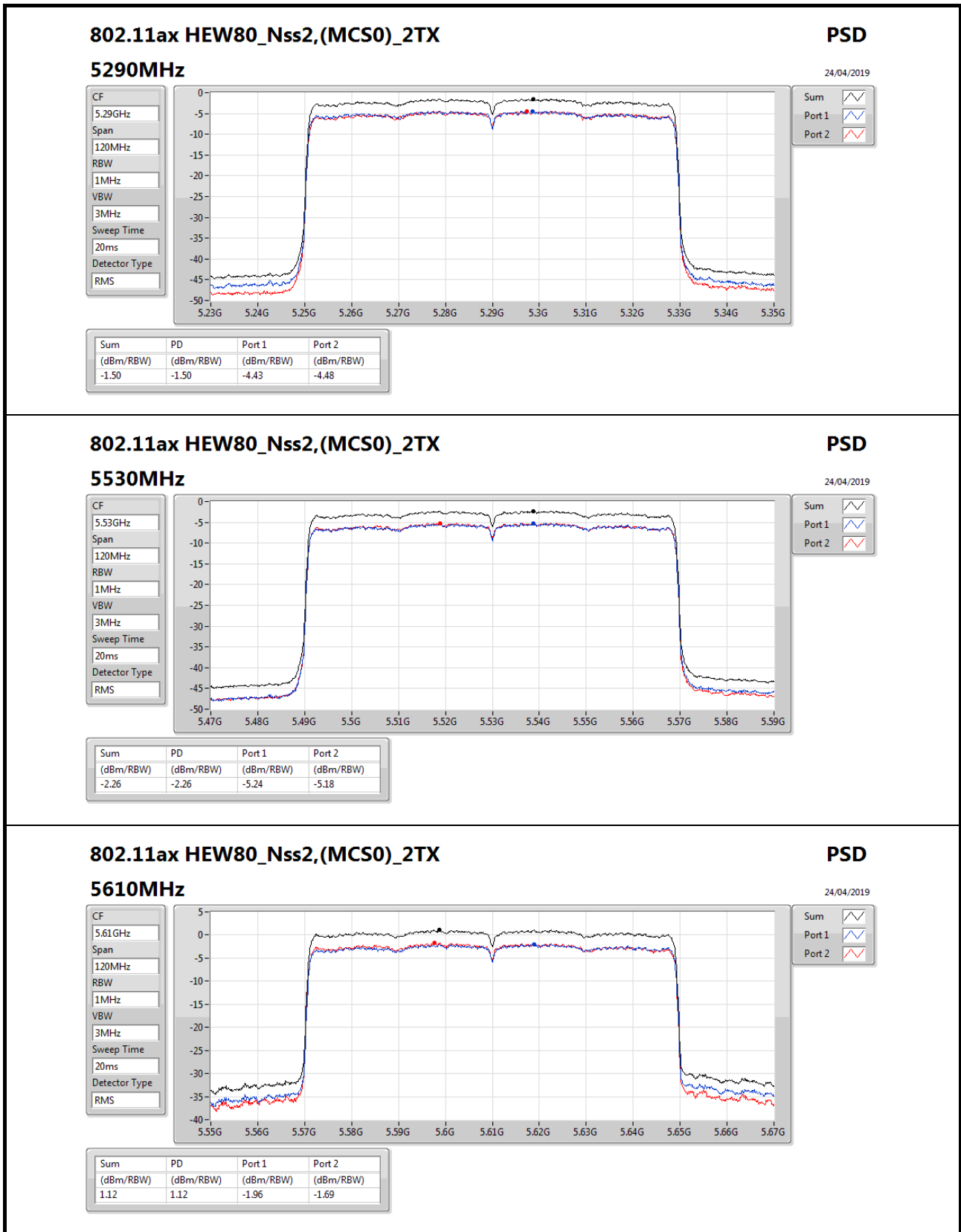
Sweep Time
20ms

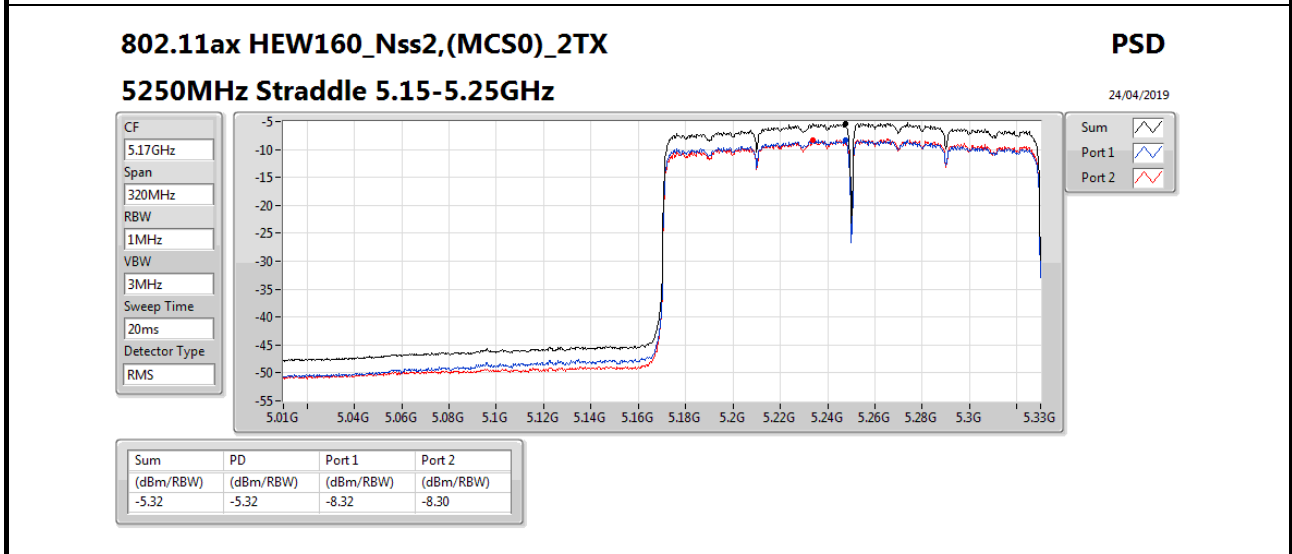
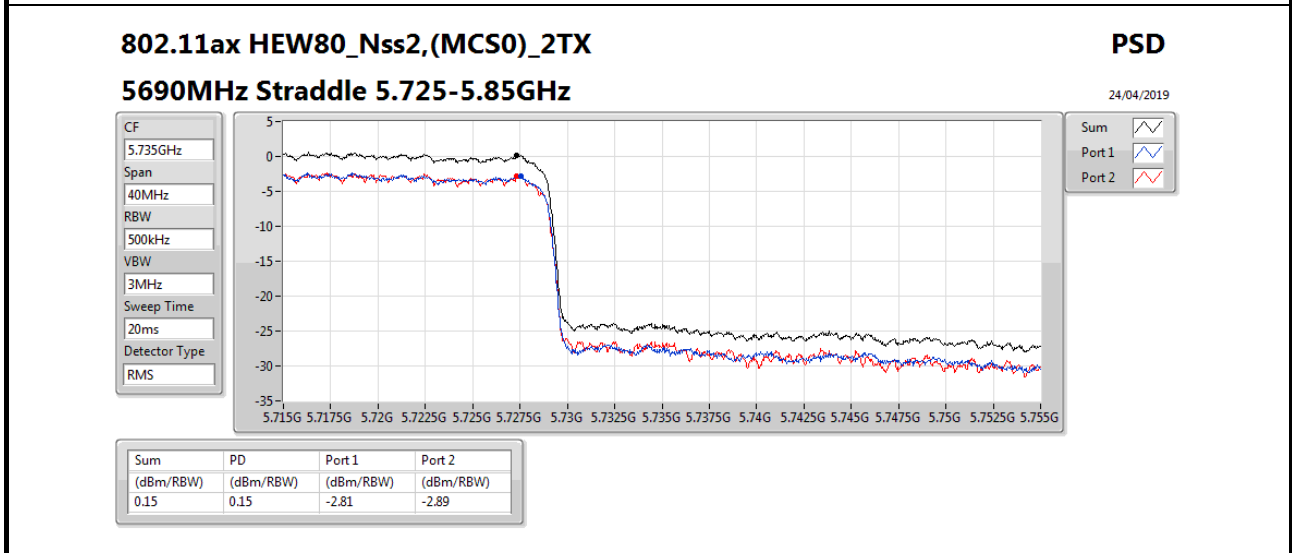
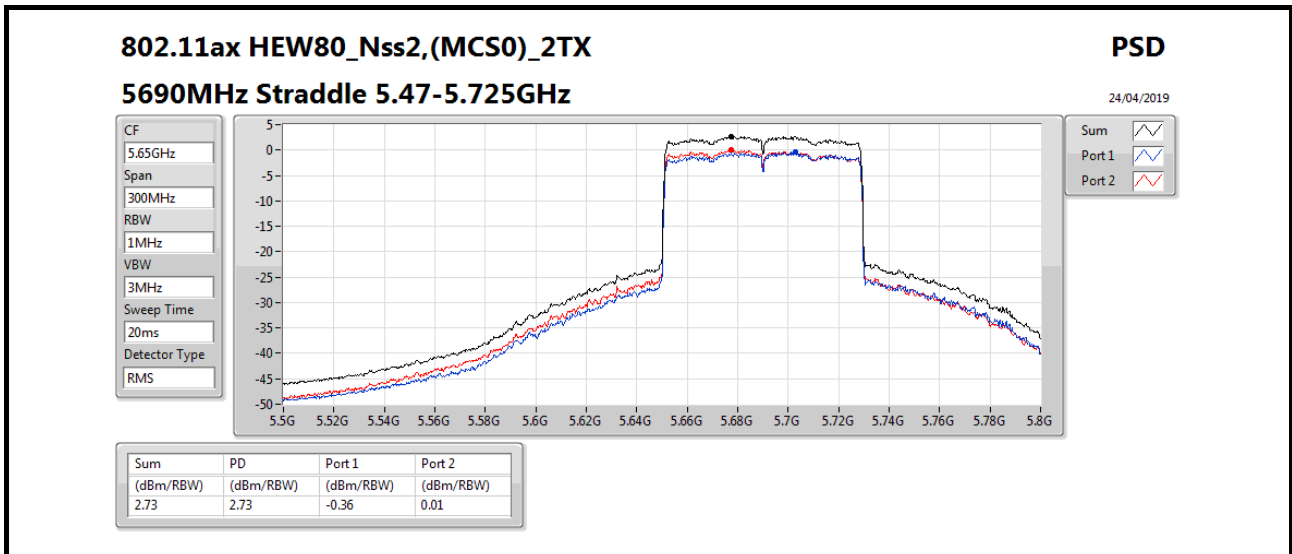
Detector Type
RMS

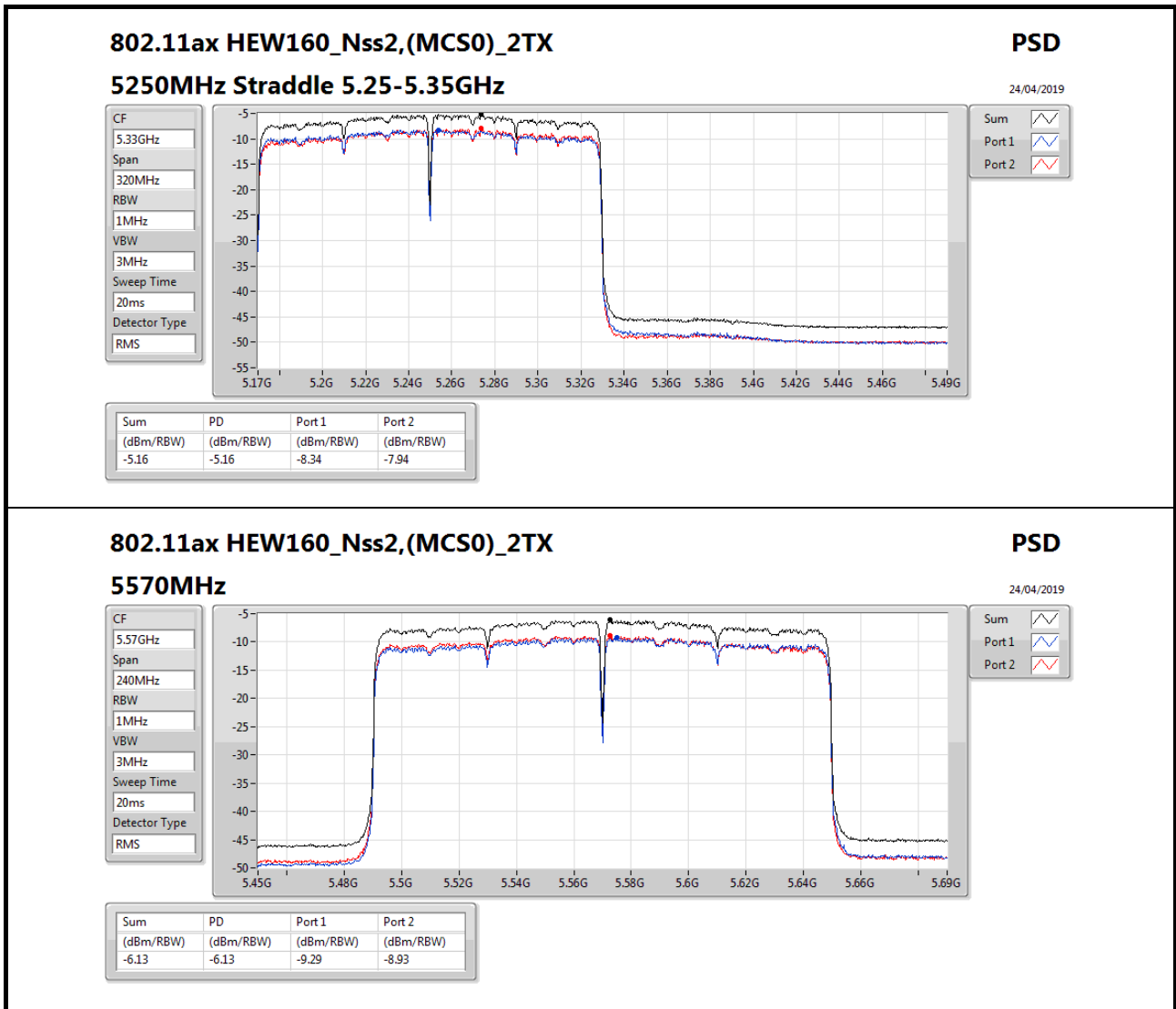
Sum

Port 1

Port 2









**For Indoor use for 5G Band 1 and Indoor/Outdoor use for 5G Band 2 ~ Band 4:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss1,(MCS0)_4TX	-4.78
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	3.03
802.11ax HEW20_Nss1,(MCS0)_4TX	3.01
802.11ax HEW40_Nss1,(MCS0)_4TX	2.98
802.11ax HEW80_Nss1,(MCS0)_4TX	0.43
802.11ax HEW160_Nss1,(MCS0)_4TX	-4.70
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	2.94
802.11ax HEW20_Nss1,(MCS0)_4TX	3.02
802.11ax HEW40_Nss1,(MCS0)_4TX	3.03
802.11ax HEW80_Nss1,(MCS0)_4TX	2.99
802.11ax HEW160_Nss1,(MCS0)_4TX	-3.03
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	1.22
802.11ax HEW20_Nss1,(MCS0)_4TX	1.29
802.11ax HEW40_Nss1,(MCS0)_4TX	0.93
802.11ax HEW80_Nss1,(MCS0)_4TX	0.26

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	-	-	-	-	-	-	-	-
5260MHz	Pass	13.95	-3.95	-2.62	-2.14	-2.82	3.03	3.05
5300MHz	Pass	13.95	-3.64	-3.07	-2.05	-2.87	3.01	3.05
5320MHz	Pass	13.95	-3.68	-2.53	-2.49	-3.00	2.98	3.05
5500MHz	Pass	13.95	-3.87	-2.97	-2.54	-2.92	2.88	3.05
5580MHz	Pass	13.95	-3.46	-2.89	-3.09	-3.09	2.85	3.05
5700MHz	Pass	13.95	-3.47	-3.02	-2.62	-2.80	2.94	3.05
5720MHz Straddle 5.47-5.725GHz	Pass	13.95	-3.77	-2.66	-2.93	-2.85	2.91	3.05
5720MHz Straddle 5.725-5.85GHz	Pass	13.95	-5.52	-4.38	-4.61	-4.54	1.22	22.05
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	13.95	-3.83	-2.65	-2.52	-2.94	3.01	3.05
5300MHz	Pass	13.95	-4.11	-2.85	-2.14	-3.02	2.95	3.05
5320MHz	Pass	13.95	-3.87	-3.03	-2.22	-2.91	3.00	3.05
5500MHz	Pass	13.95	-3.79	-2.74	-2.52	-2.98	2.97	3.05
5580MHz	Pass	13.95	-3.64	-3.01	-2.72	-3.01	2.86	3.05
5700MHz	Pass	13.95	-3.95	-3.08	-3.24	-3.43	2.53	3.05
5720MHz Straddle 5.47-5.725GHz	Pass	13.95	-3.04	-3.10	-2.68	-2.98	3.02	3.05
5720MHz Straddle 5.725-5.85GHz	Pass	13.95	-4.74	-4.84	-4.49	-4.64	1.29	22.05
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	13.95	-3.62	-2.67	-2.60	-2.83	2.98	3.05
5310MHz	Pass	13.95	-3.32	-3.00	-2.50	-3.23	2.92	3.05
5510MHz	Pass	13.95	-3.61	-3.54	-2.99	-3.56	2.57	3.05
5550MHz	Pass	13.95	-2.84	-2.80	-3.16	-3.12	2.97	3.05
5670MHz	Pass	13.95	-3.31	-2.94	-2.35	-3.00	3.03	3.05
5710MHz Straddle 5.47-5.725GHz	Pass	13.95	-3.01	-2.89	-2.63	-3.18	3.00	3.05
5710MHz Straddle 5.725-5.85GHz	Pass	13.95	-5.08	-5.03	-4.87	-5.15	0.93	22.05
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	13.95	-6.27	-5.67	-5.25	-5.06	0.43	3.05
5530MHz	Pass	13.95	-5.81	-5.27	-5.23	-5.85	0.44	3.05
5610MHz	Pass	13.95	-3.99	-3.82	-4.17	-3.81	1.92	3.05
5690MHz Straddle 5.47-5.725GHz	Pass	13.95	-2.78	-3.06	-2.87	-3.11	2.99	3.05
5690MHz Straddle 5.725-5.85GHz	Pass	13.95	-5.14	-5.94	-5.94	-5.66	0.26	22.05
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	13.95	-11.16	-10.64	-10.54	-10.55	-4.78	9.05
5250MHz Straddle 5.25-5.35GHz	Pass	13.95	-11.25	-10.41	-10.41	-10.57	-4.70	3.05
5570MHz	Pass	13.95	-9.21	-8.68	-9.06	-9.12	-3.03	3.05

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;

