



PSD Result

**For Non-beamforming / 4T4S mode
Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	-3.78
802.11ax HEW40_Nss4,(MCS0)_4TX	-9.25

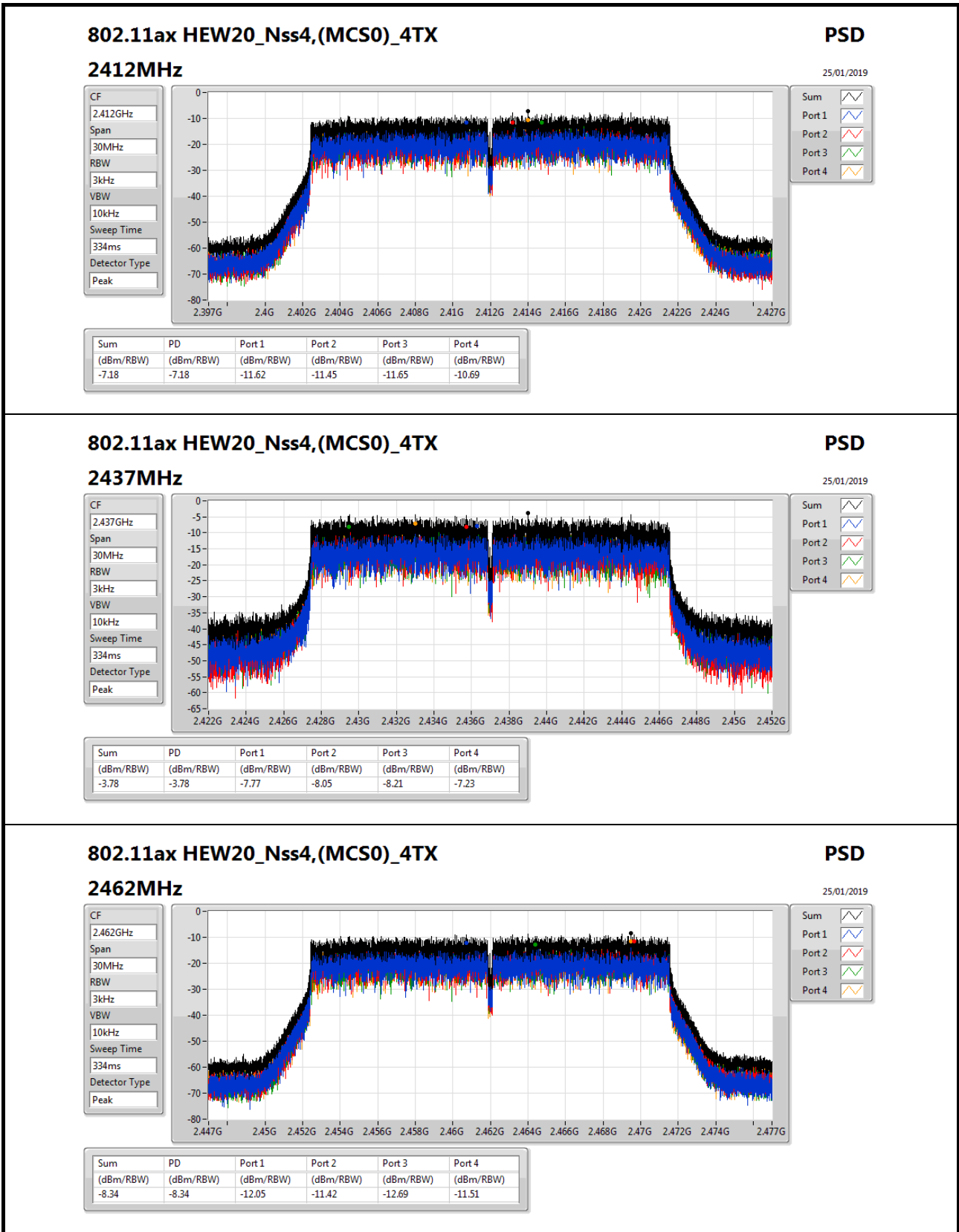
RBW=3kHz.

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	-	-	-	-	-	-	-	-
2412MHz	Pass	3.00	-11.62	-11.45	-11.65	-10.69	-7.18	8.00
2437MHz	Pass	3.00	-7.77	-8.05	-8.21	-7.23	-3.78	8.00
2462MHz	Pass	3.00	-12.05	-11.42	-12.69	-11.51	-8.34	8.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	3.00	-16.05	-15.54	-15.16	-14.07	-10.50	8.00
2437MHz	Pass	3.00	-15.29	-14.95	-14.57	-13.88	-9.25	8.00
2452MHz	Pass	3.00	-16.56	-15.82	-16.00	-16.00	-11.45	8.00

DG = Directional Gain; RBW=3kHz;

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

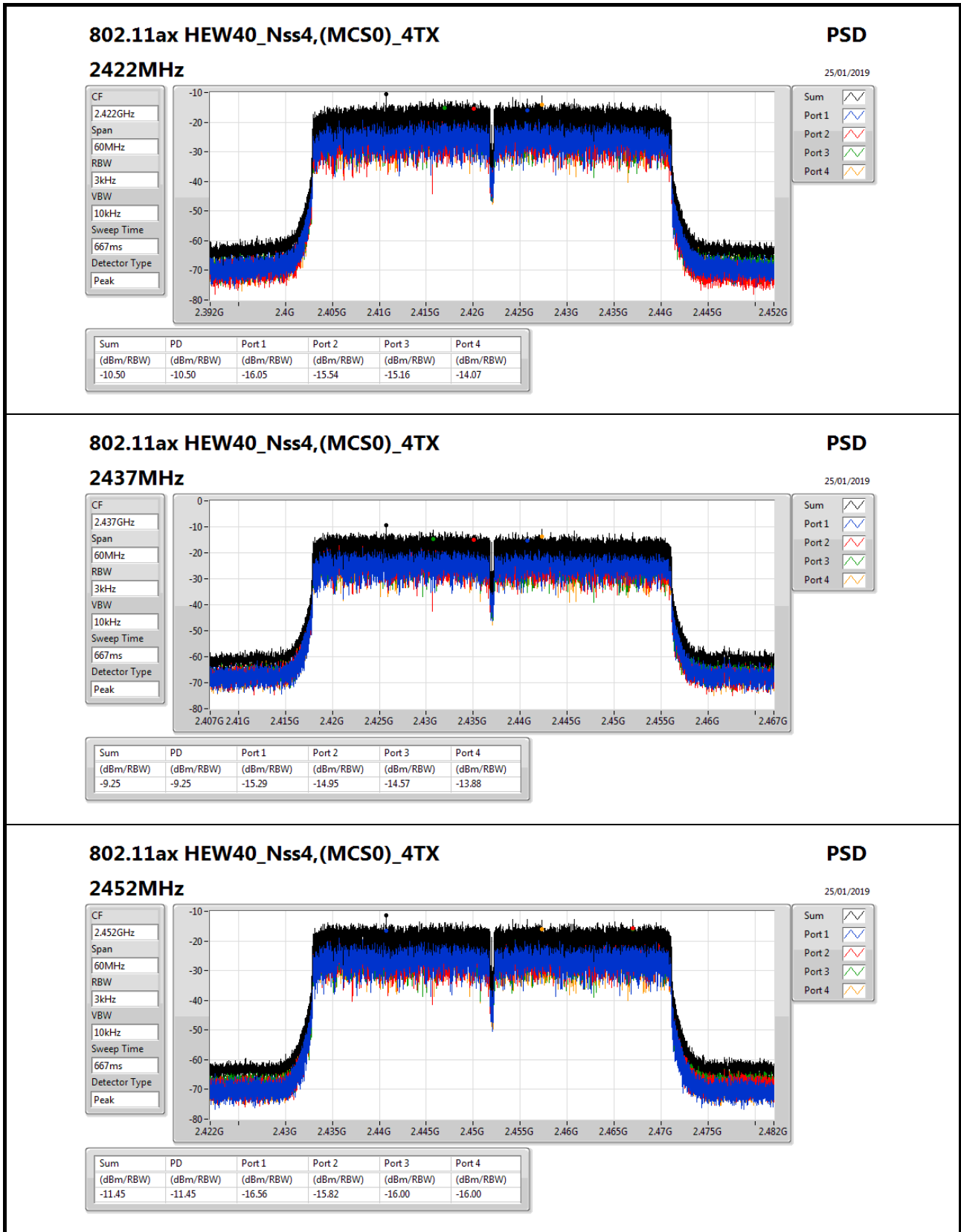
2462MHz

PSD

25/01/2019

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.34	-8.34	-12.05	-11.42	-12.69	-11.51

Sum	Port 1	Port 2	Port 3	Port 4
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802.11ax HEW40_Nss4,(MCS0)_4TX

2452MHz

PSD

25/01/2019

CF
2.452GHz

Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
667ms

Detector Type
Peak

Sum

Port 1

Port 2

Port 3

Port 4



PSD Result

**For Mode 2: (Ant. 7 Omni antenna / 4 dBi)
For Non-beamforming / 1T1S mode
Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	0.39
802.11g_Nss1,(6Mbps)_1TX	-4.02
802.11ax HEW20_Nss1,(MCS0)_1TX	-4.27
802.11ax HEW40_Nss1,(MCS0)_1TX	-10.40

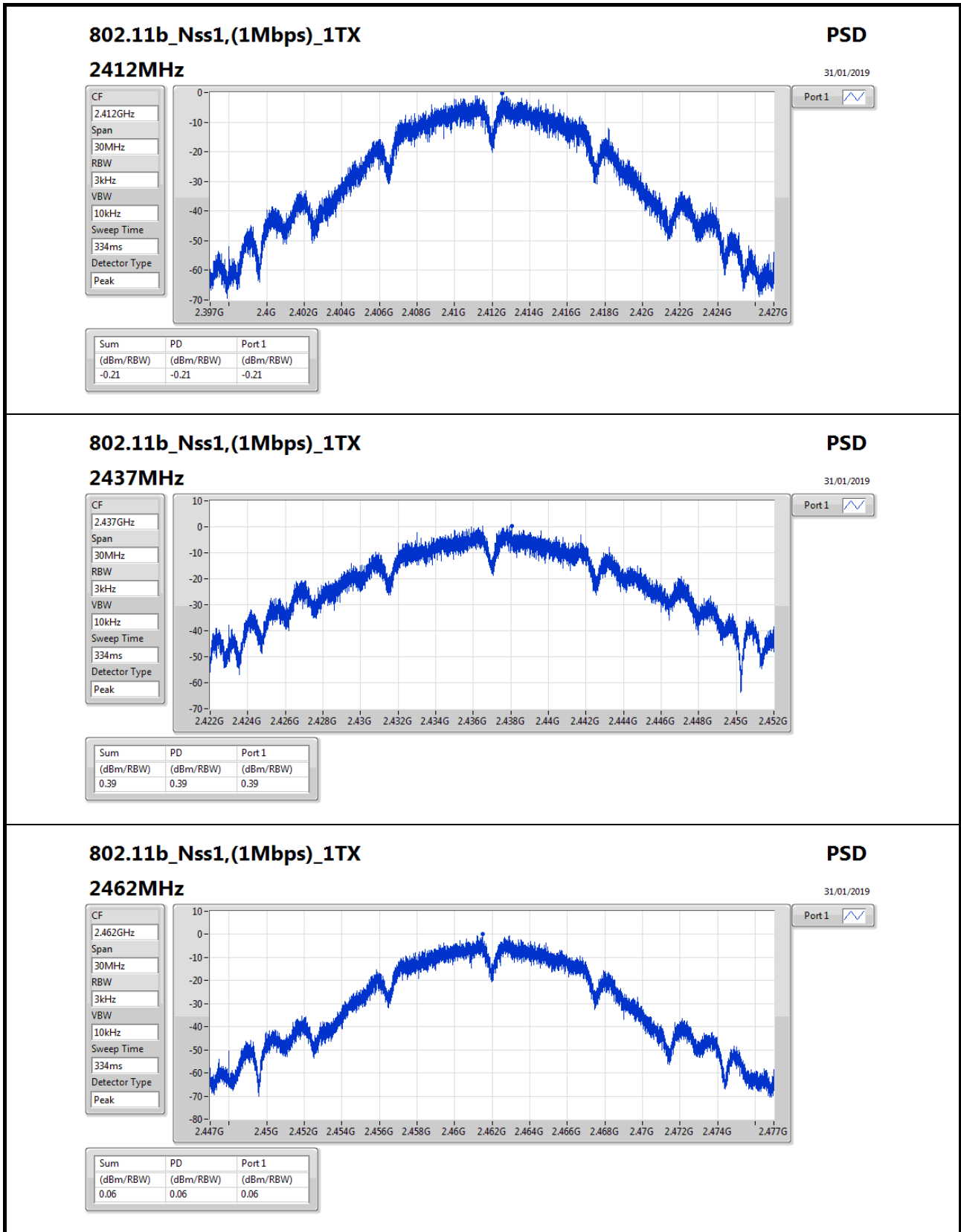
RBW=3kHz.

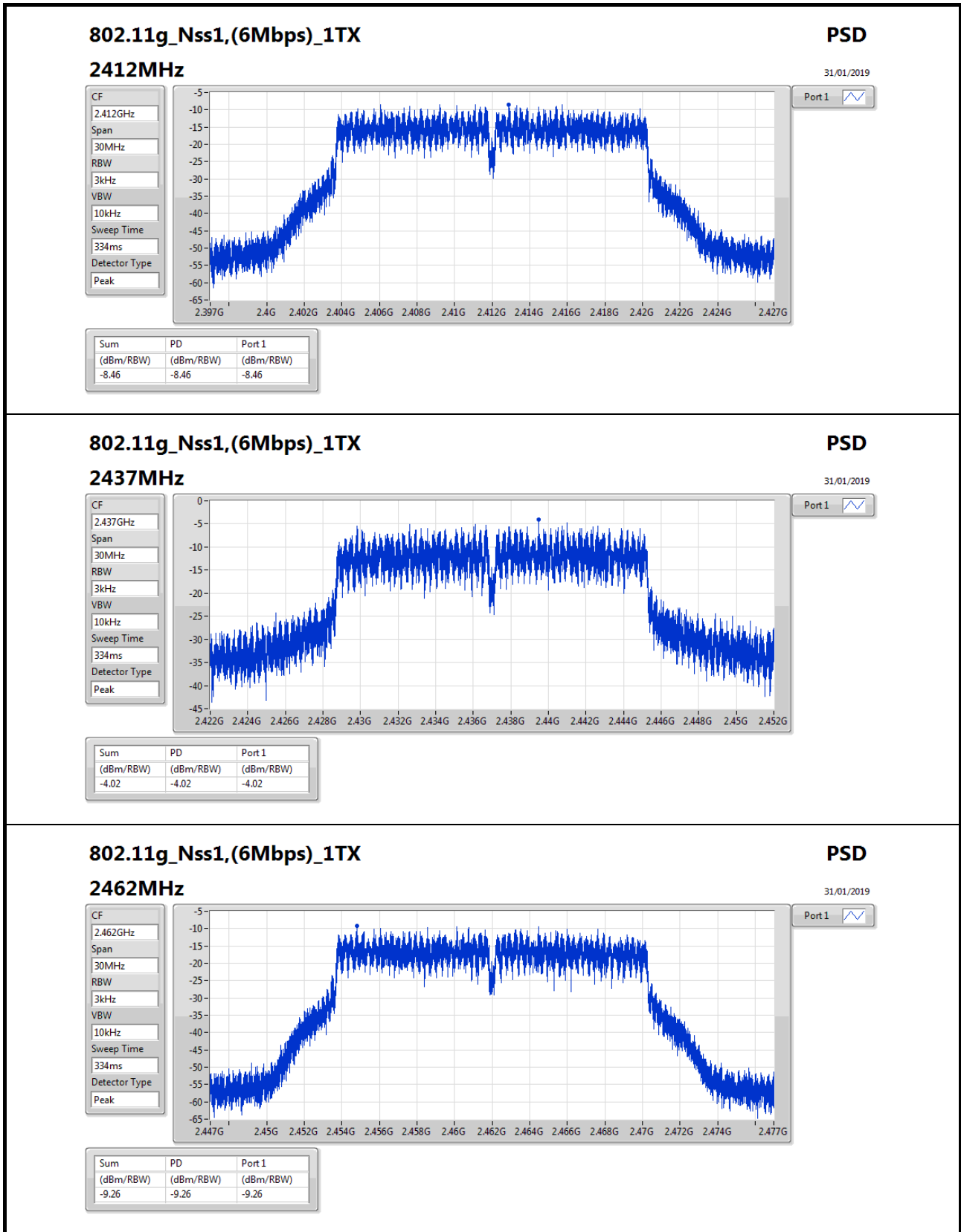
Result

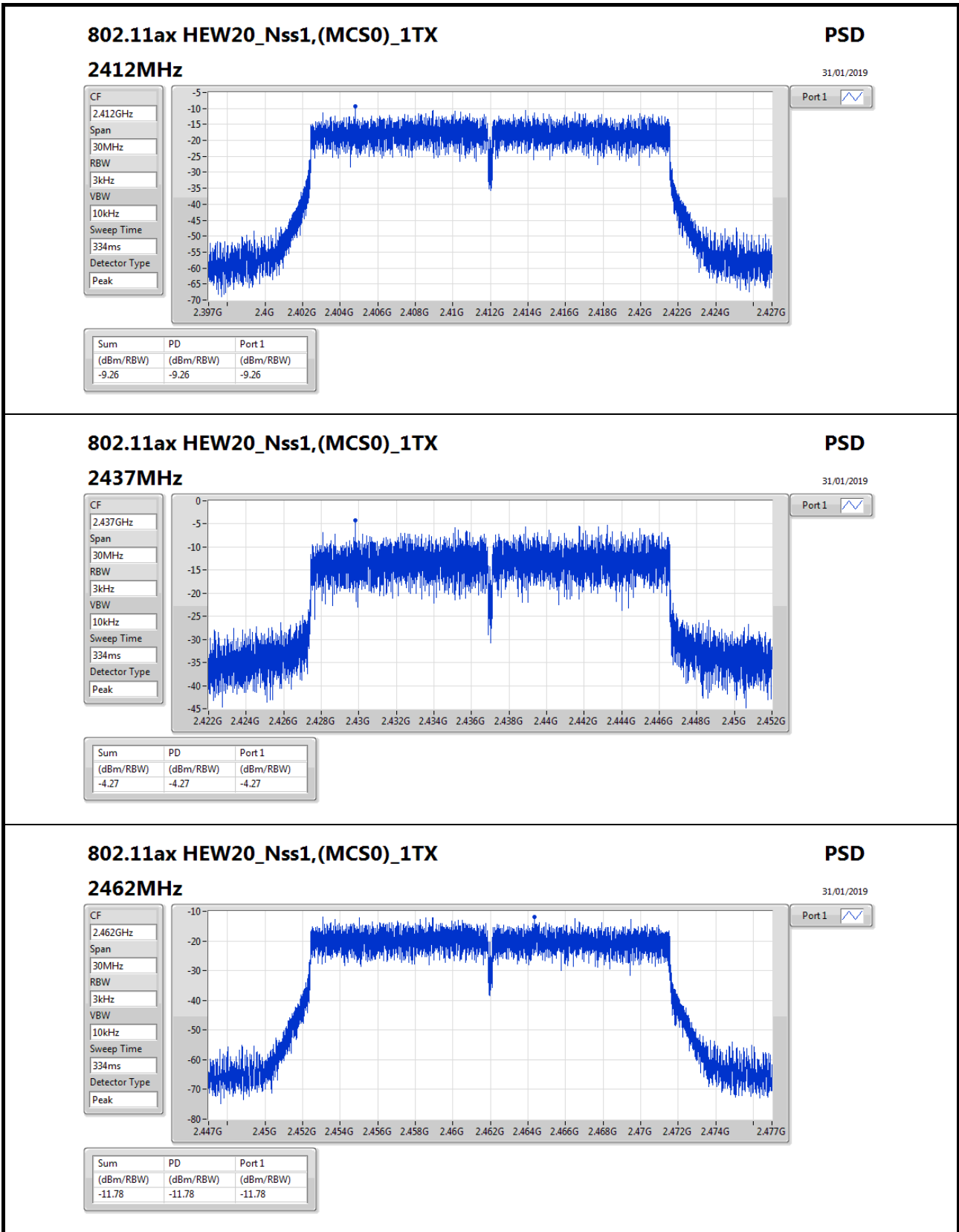
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.00	-0.21	-0.21	8.00
2437MHz	Pass	4.00	0.39	0.39	8.00
2462MHz	Pass	4.00	0.06	0.06	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.00	-8.46	-8.46	8.00
2437MHz	Pass	4.00	-4.02	-4.02	8.00
2462MHz	Pass	4.00	-9.26	-9.26	8.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	4.00	-9.26	-9.26	8.00
2437MHz	Pass	4.00	-4.27	-4.27	8.00
2462MHz	Pass	4.00	-11.78	-11.78	8.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	4.00	-11.50	-11.50	8.00
2437MHz	Pass	4.00	-10.40	-10.40	8.00
2452MHz	Pass	4.00	-12.45	-12.45	8.00

DG = Directional Gain; RBW=3kHz;

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

2462MHz

PSD

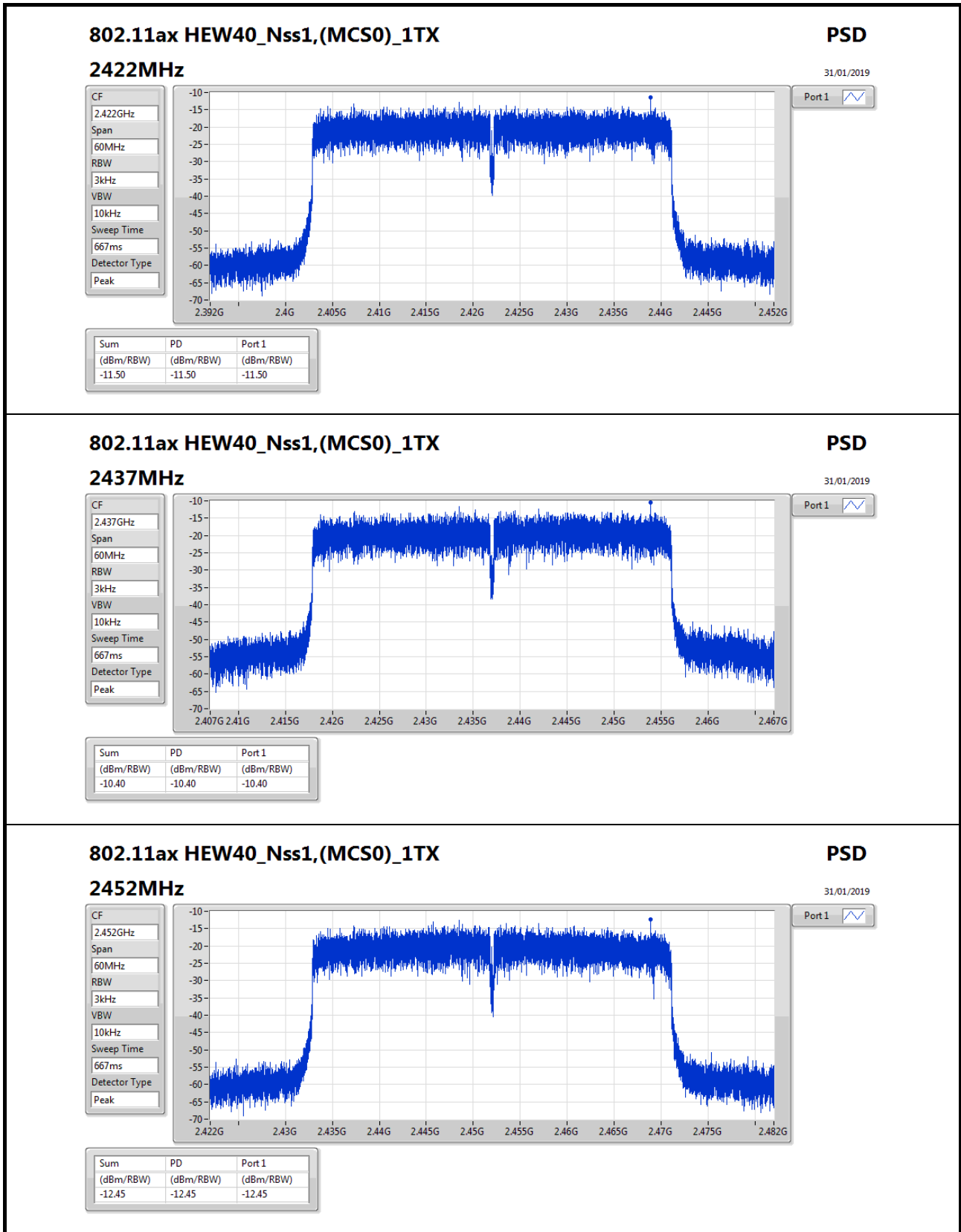
31/01/2019

Port 1

CF	2.462GHz	
Span	30MHz	
RBW	3kHz	
VBW	10kHz	
Sweep Time	334ms	
Detector Type	Peak	



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.78	-11.78	-11.78



802.11ax HEW40_Nss1,(MCS0)_1TX

2452MHz

PSD

31/01/2019

Port 1

CF	2.452GHz
Span	60MHz
RBW	3kHz
VBW	10kHz
Sweep Time	667ms
Detector Type	Peak



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.45	-12.45	-12.45



PSD Result

**For Non-beamforming / 2T2S mode
Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	-4.33
802.11ax HEW40_Nss2,(MCS0)_2TX	-9.10

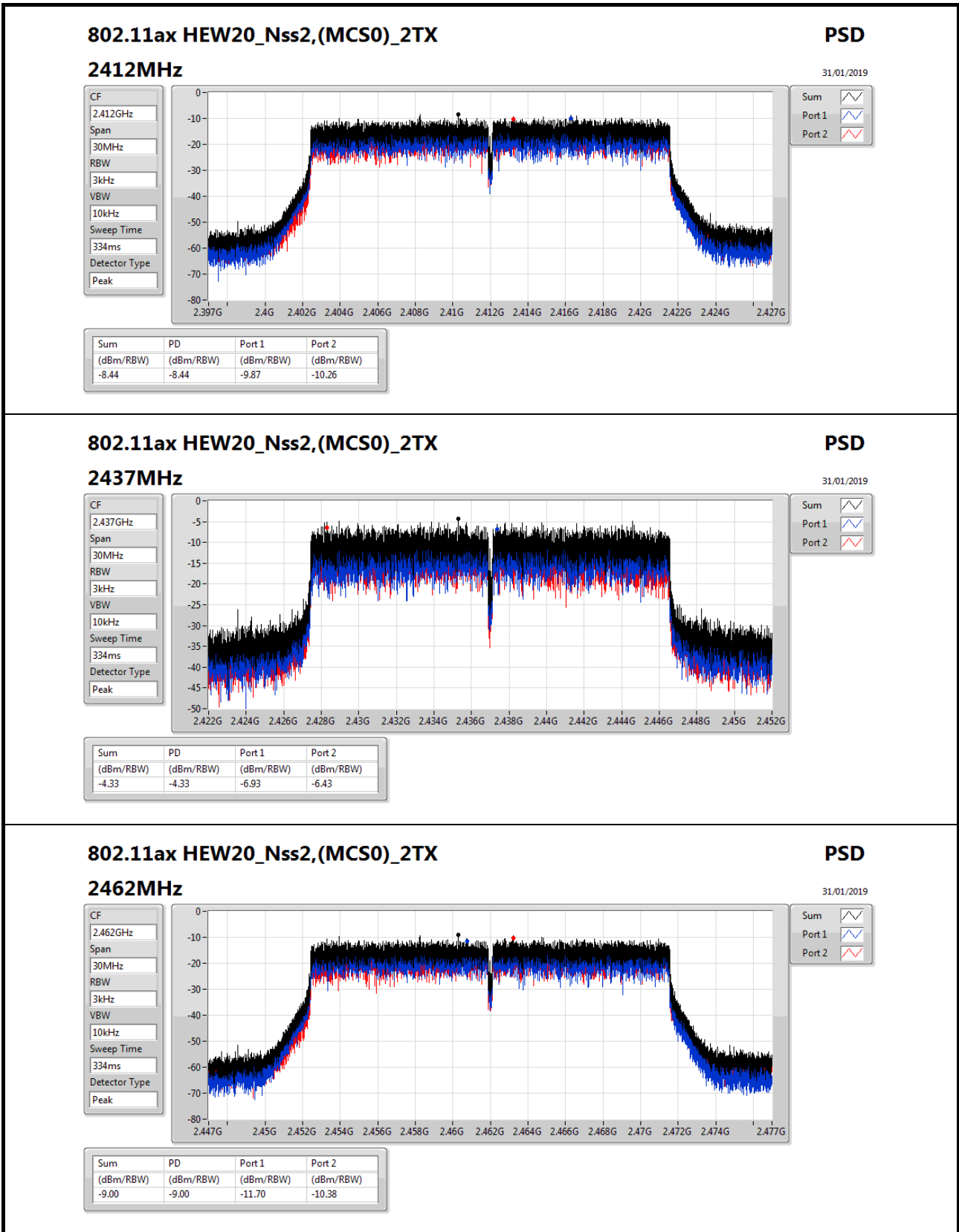
RBW=3kHz.

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	-	-	-	-	-	-
2412MHz	Pass	4.00	-9.87	-10.26	-8.44	8.00
2437MHz	Pass	4.00	-6.93	-6.43	-4.33	8.00
2462MHz	Pass	4.00	-11.70	-10.38	-9.00	8.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.00	-13.07	-12.04	-9.67	8.00
2437MHz	Pass	4.00	-12.64	-11.63	-9.10	8.00
2452MHz	Pass	4.00	-13.41	-12.70	-10.03	8.00

DG = Directional Gain; RBW=3kHz;

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

2462MHz

PSD

31/01/2019

CF
2.462GHz

Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
334ms

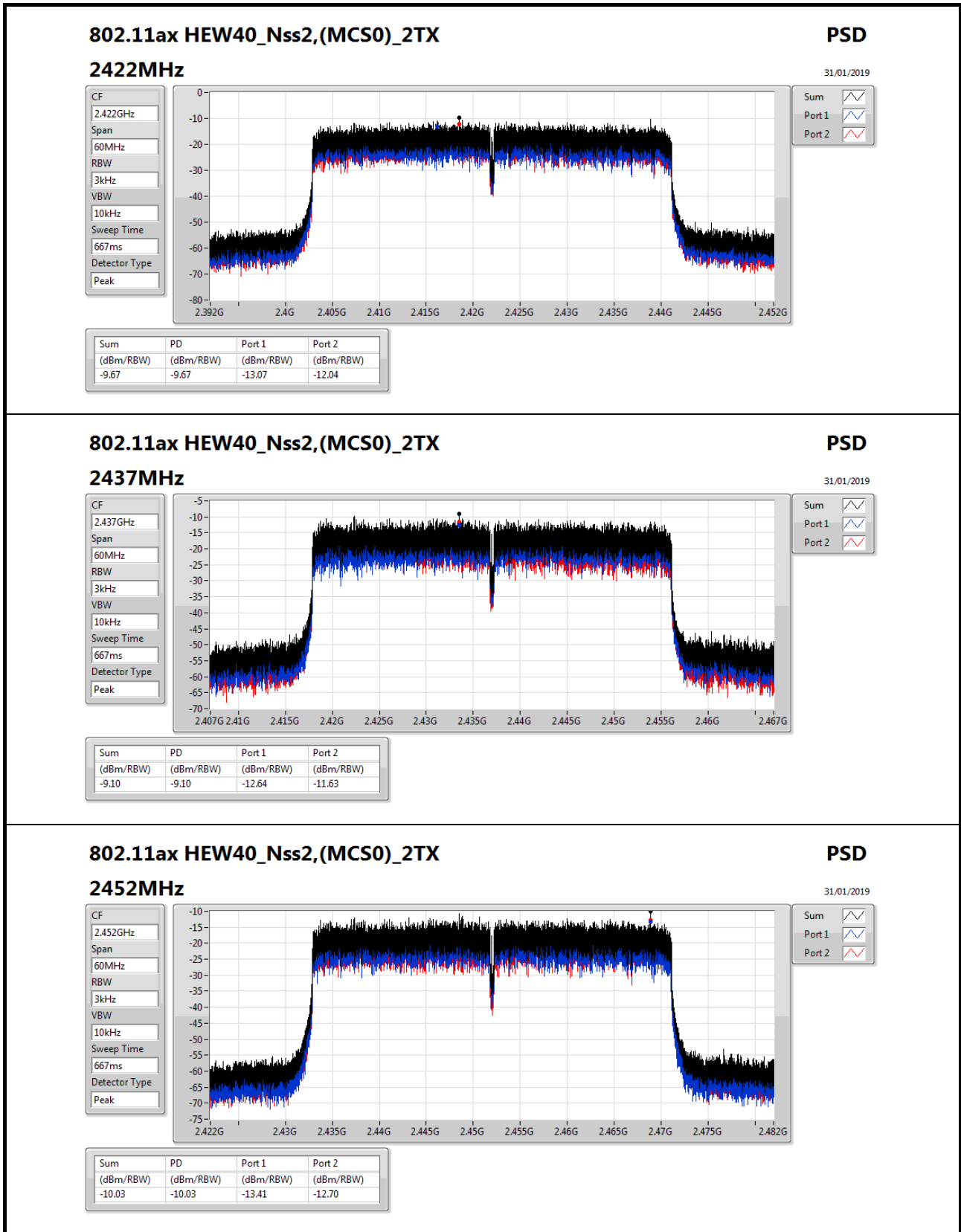
Detector Type
Peak



Sum

Port 1

Port 2





PSD Result

**For Non-beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	3.88
802.11g_Nss1,(6Mbps)_4TX	-0.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-2.17
802.11ax HEW40_Nss1,(MCS0)_4TX	-7.24

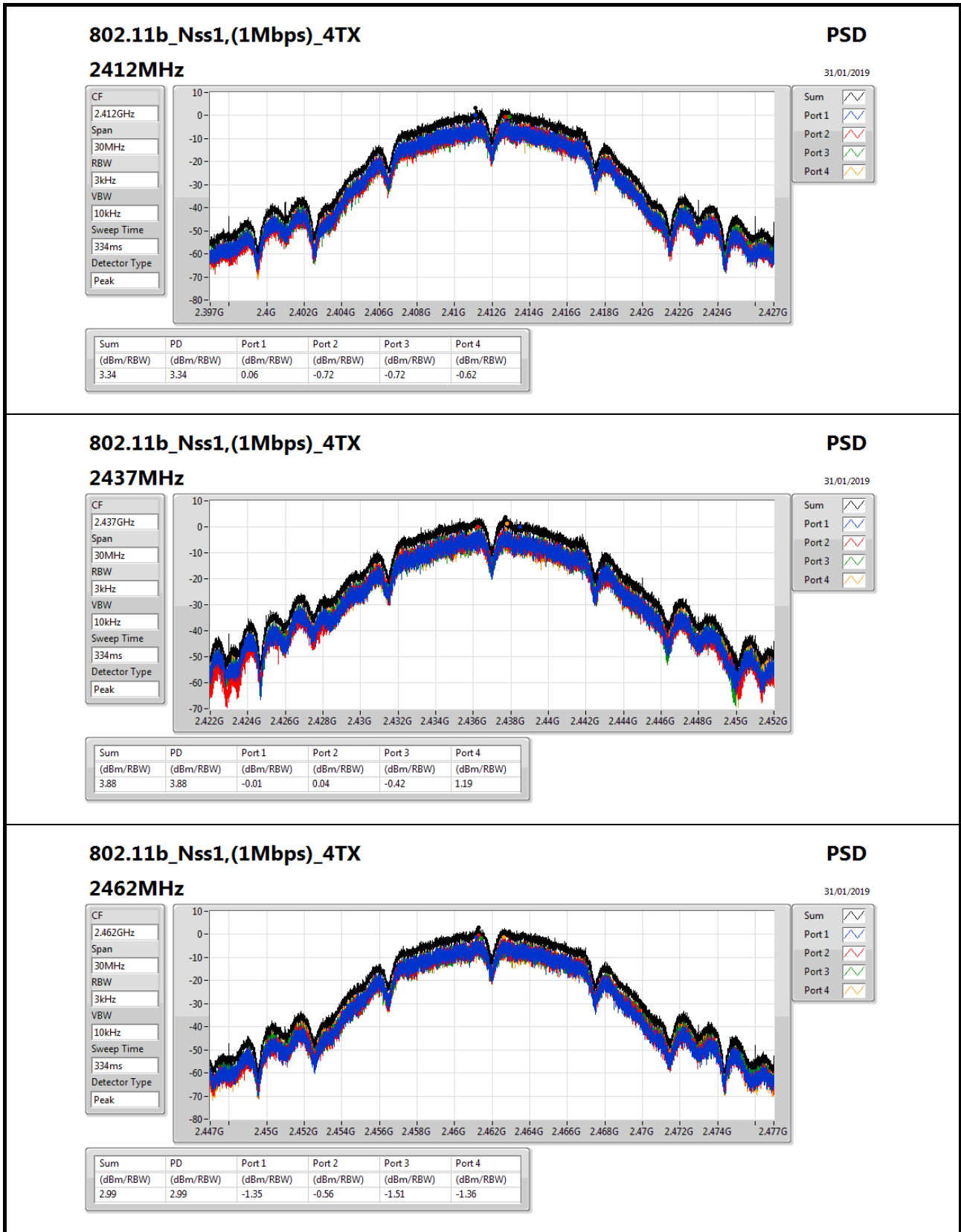
RBW=3kHz.

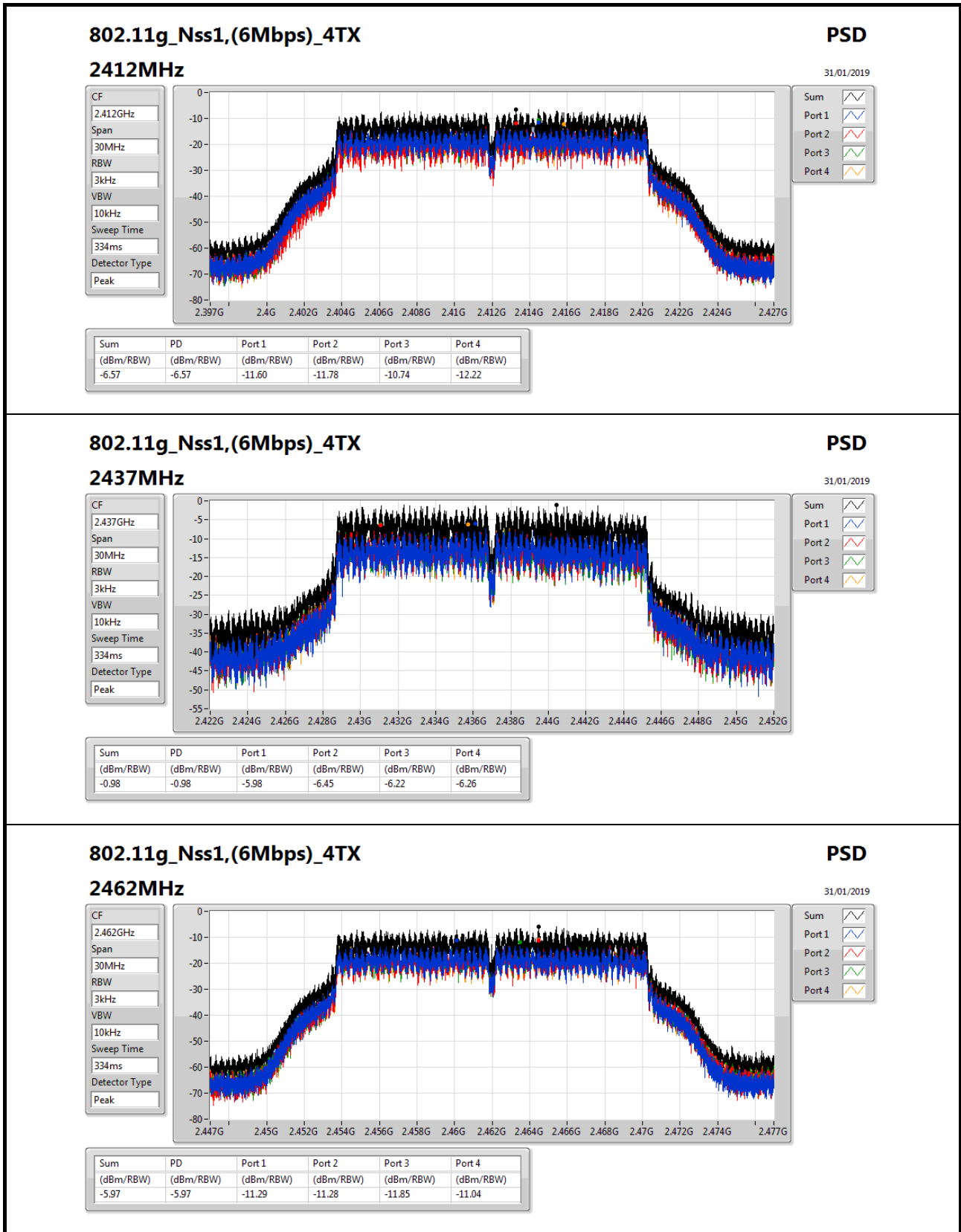
Result

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)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	0.06	-0.72	-0.72	-0.62	3.34	3.98
2437MHz	Pass	10.02	-0.01	0.04	-0.42	1.19	3.88	3.98
2462MHz	Pass	10.02	-1.35	-0.56	-1.51	-1.36	2.99	3.98
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	-11.60	-11.78	-10.74	-12.22	-6.57	3.98
2437MHz	Pass	10.02	-5.98	-6.45	-6.22	-6.26	-0.98	3.98
2462MHz	Pass	10.02	-11.29	-11.28	-11.85	-11.04	-5.97	3.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	-10.51	-11.94	-10.23	-10.25	-5.38	3.98
2437MHz	Pass	10.02	-8.27	-6.65	-8.17	-8.02	-2.17	3.98
2462MHz	Pass	10.02	-11.64	-13.21	-13.31	-13.60	-7.55	3.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	10.02	-13.65	-13.12	-12.96	-13.34	-7.24	3.98
2437MHz	Pass	10.02	-14.14	-12.95	-12.72	-12.91	-7.94	3.98
2452MHz	Pass	10.02	-14.63	-13.74	-14.21	-14.98	-8.59	3.98

DG = Directional Gain; RBW=3kHz;

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





802.11g_Nss1,(6Mbps)_4TX

2462MHz

PSD

31/01/2019

CF
2.462GHz

Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
334ms

Detector Type
Peak



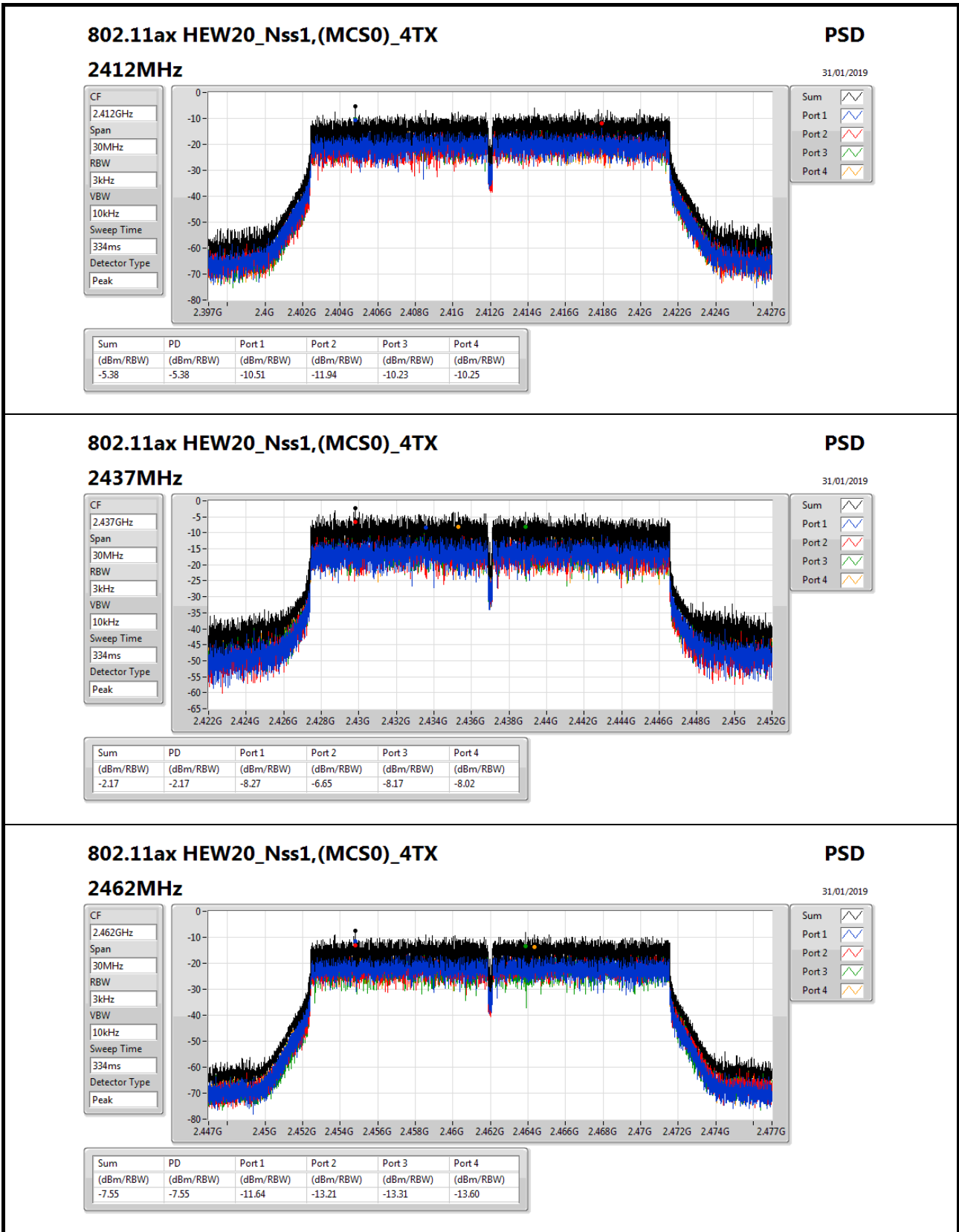
Sum 

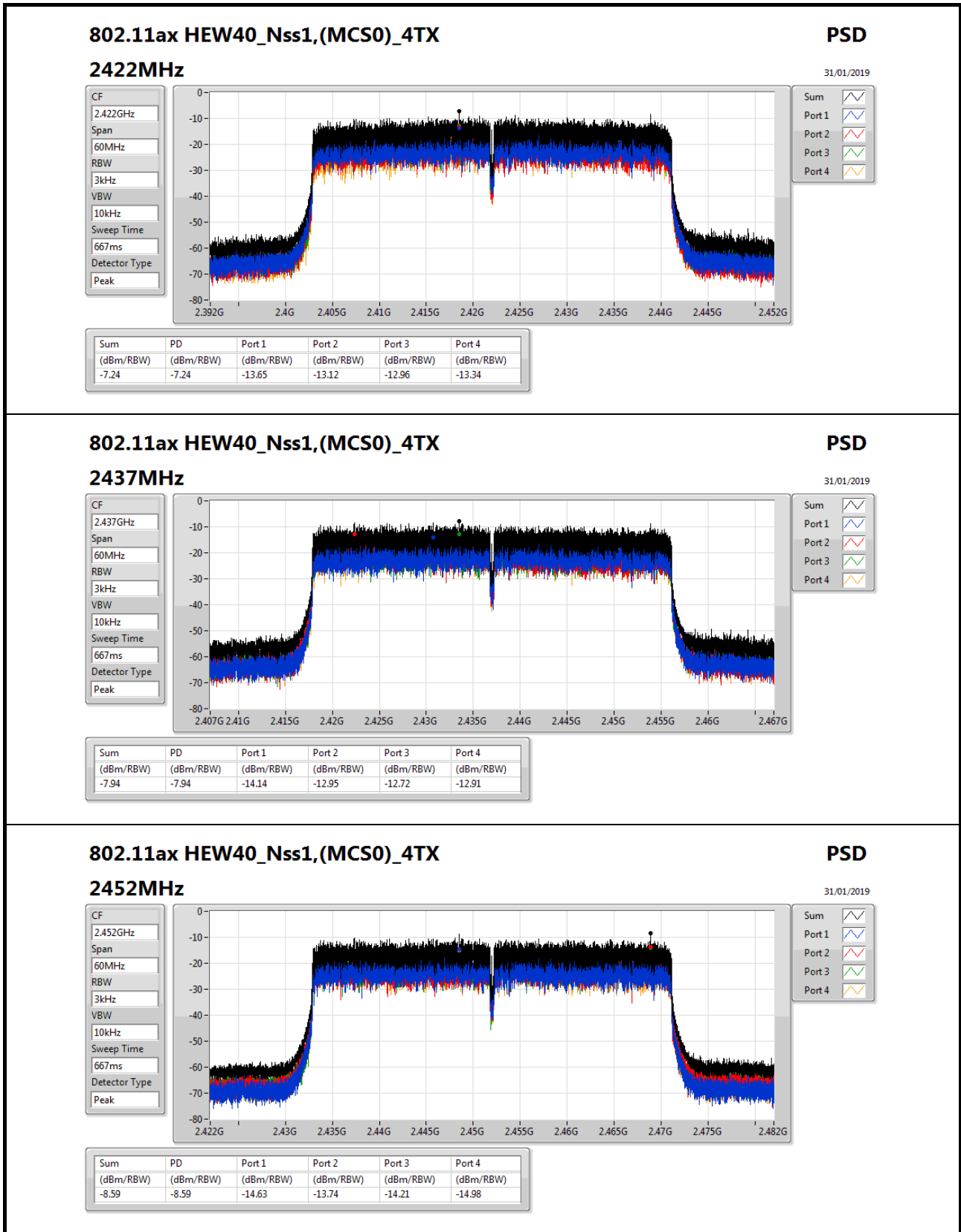
Port 1 

Port 2 

Port 3 

Port 4 







PSD Result

**For Beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.30
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-7.59

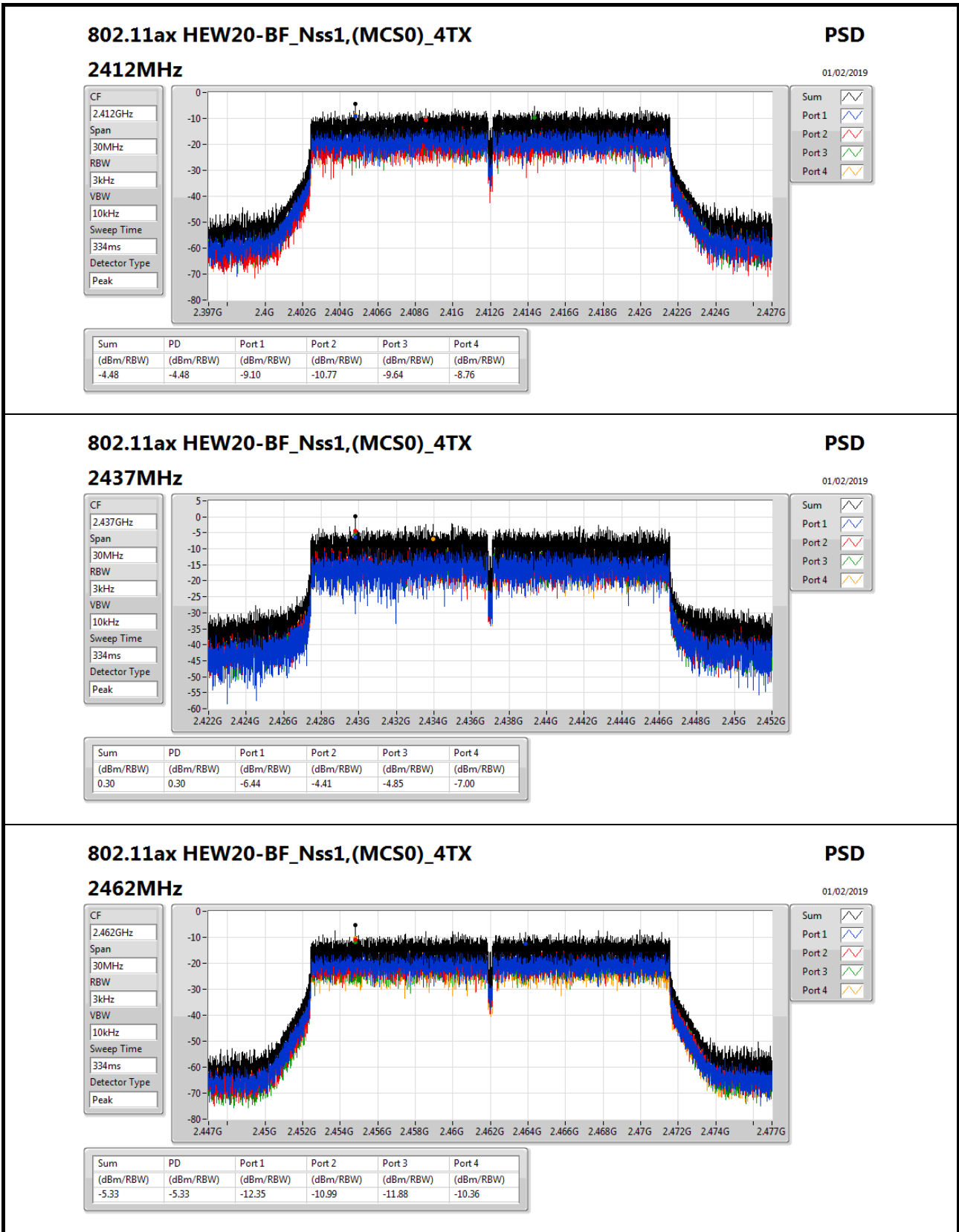
RBW=3kHz.

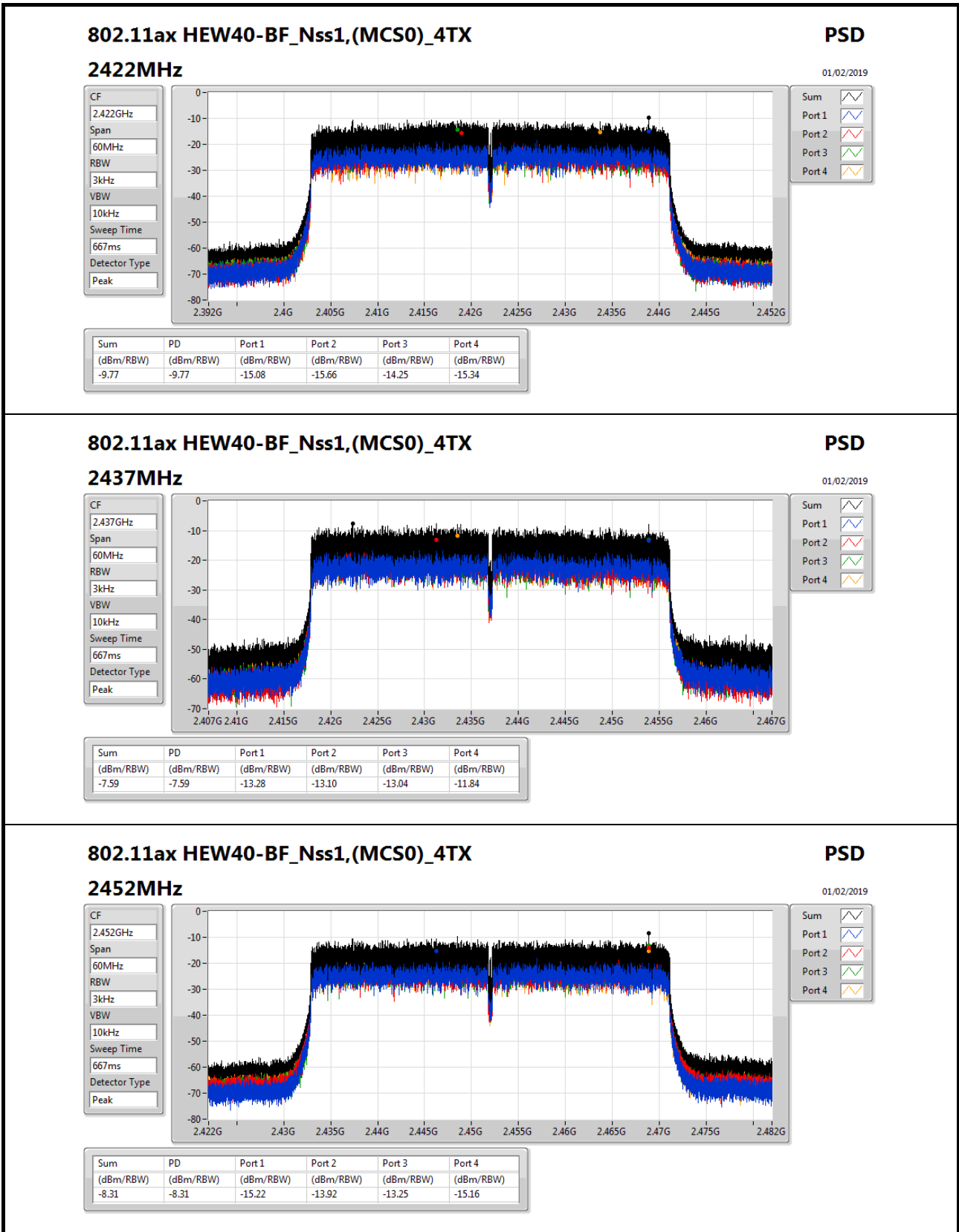
Result

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	-	-	-	-	-	-	-	-
2412MHz	Pass	10.02	-9.10	-10.77	-9.64	-8.76	-4.48	3.98
2437MHz	Pass	10.02	-6.44	-4.41	-4.85	-7.00	0.30	3.98
2462MHz	Pass	10.02	-12.35	-10.99	-11.88	-10.36	-5.33	3.98
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	10.02	-15.08	-15.66	-14.25	-15.34	-9.77	3.98
2437MHz	Pass	10.02	-13.28	-13.10	-13.04	-11.84	-7.59	3.98
2452MHz	Pass	10.02	-15.22	-13.92	-13.25	-15.16	-8.31	3.98

DG = Directional Gain; RBW=3kHz;

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

2452MHz

PSD

01/02/2019

CF
2.452GHz

Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
667ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Port 3 

Port 4 



PSD Result

**For Non-beamforming / 4T4S mode
Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	-3.65
802.11ax HEW40_Nss4,(MCS0)_4TX	-8.67

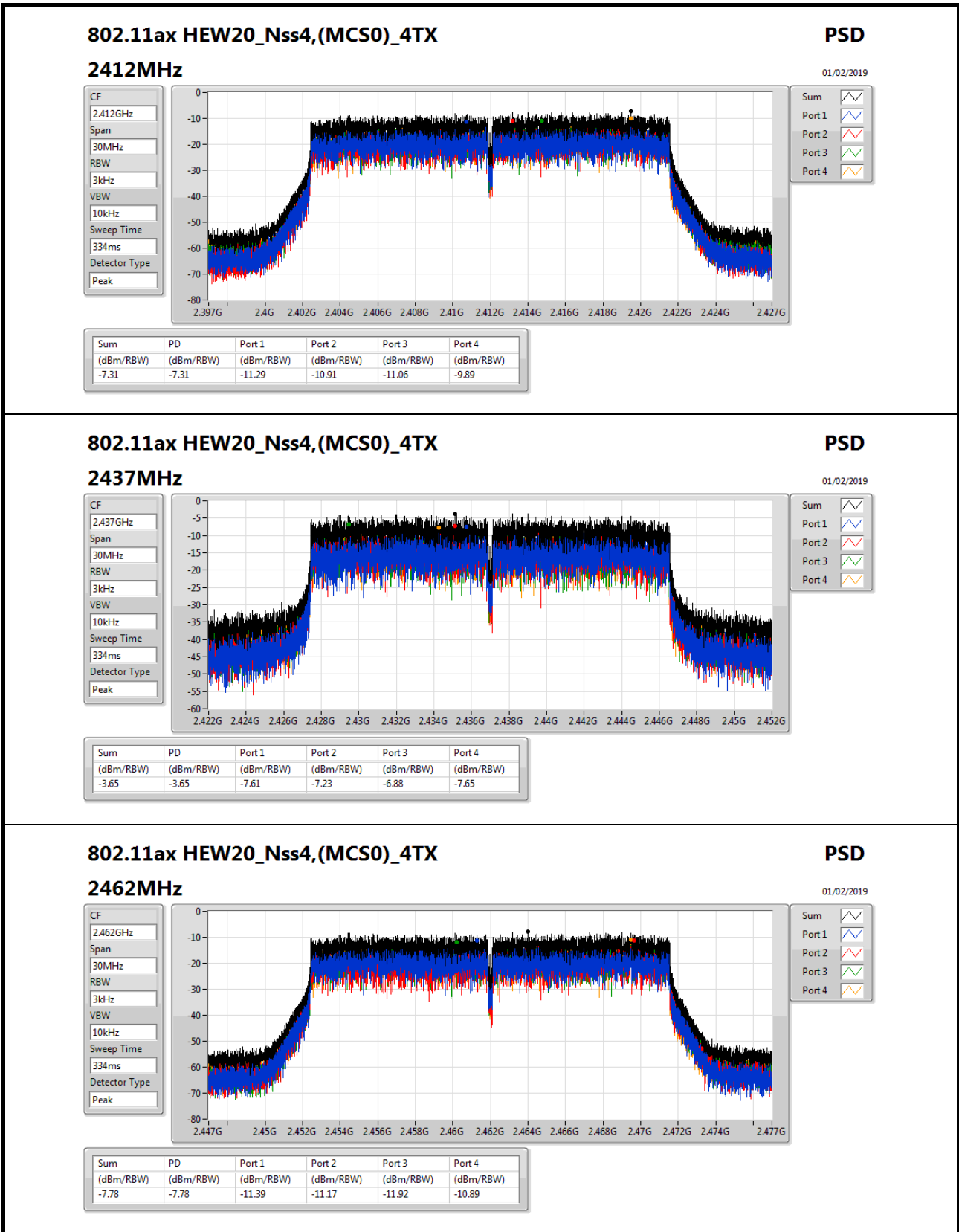
RBW=3kHz.

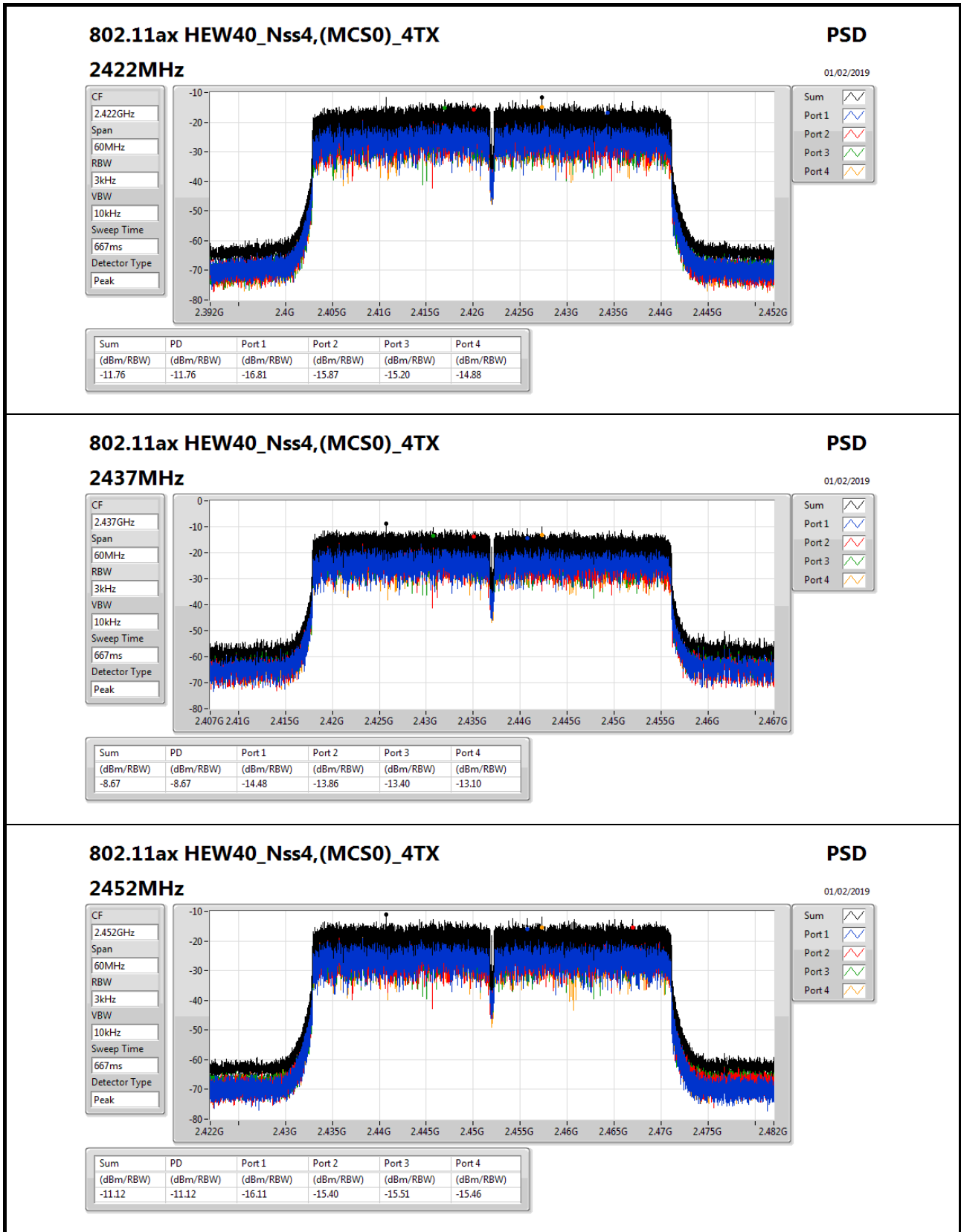
Result

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	-	-	-	-	-	-	-	-
2412MHz	Pass	4.00	-11.29	-10.91	-11.06	-9.89	-7.31	8.00
2437MHz	Pass	4.00	-7.61	-7.23	-6.88	-7.65	-3.65	8.00
2462MHz	Pass	4.00	-11.39	-11.17	-11.92	-10.89	-7.78	8.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.00	-16.81	-15.87	-15.20	-14.88	-11.76	8.00
2437MHz	Pass	4.00	-14.48	-13.86	-13.40	-13.10	-8.67	8.00
2452MHz	Pass	4.00	-16.11	-15.40	-15.51	-15.46	-11.12	8.00

DG = Directional Gain; RBW=3kHz;

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







PSD Result

**Mode 3: (Ant. 11 Panel antenna / 6.8 dBi)
For Non-beamforming / 1T1S mode
Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	0.50
802.11g_Nss1,(6Mbps)_1TX	-5.08
802.11ax HEW20_Nss1,(MCS0)_1TX	-5.71
802.11ax HEW40_Nss1,(MCS0)_1TX	-11.63

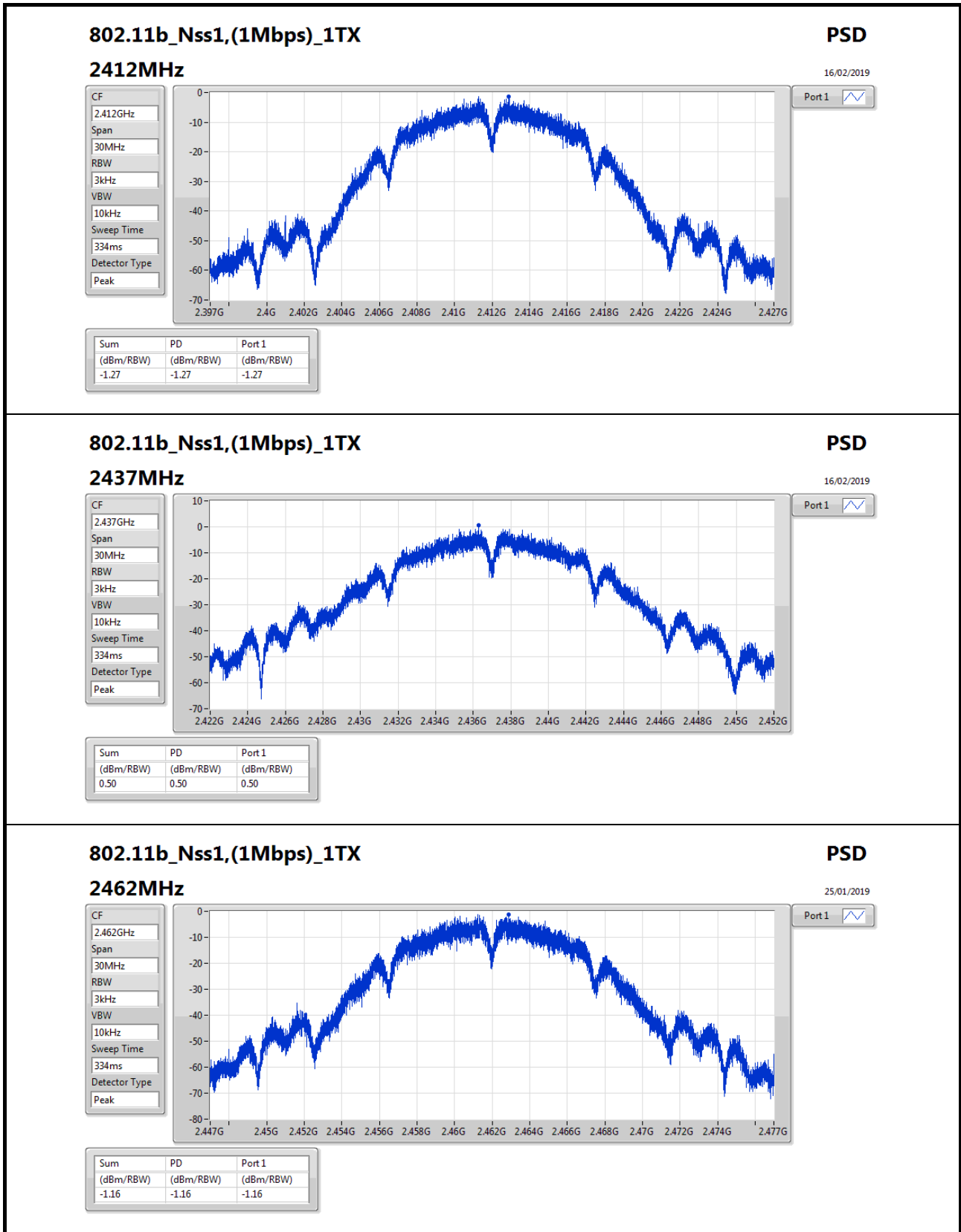
RBW=3kHz.

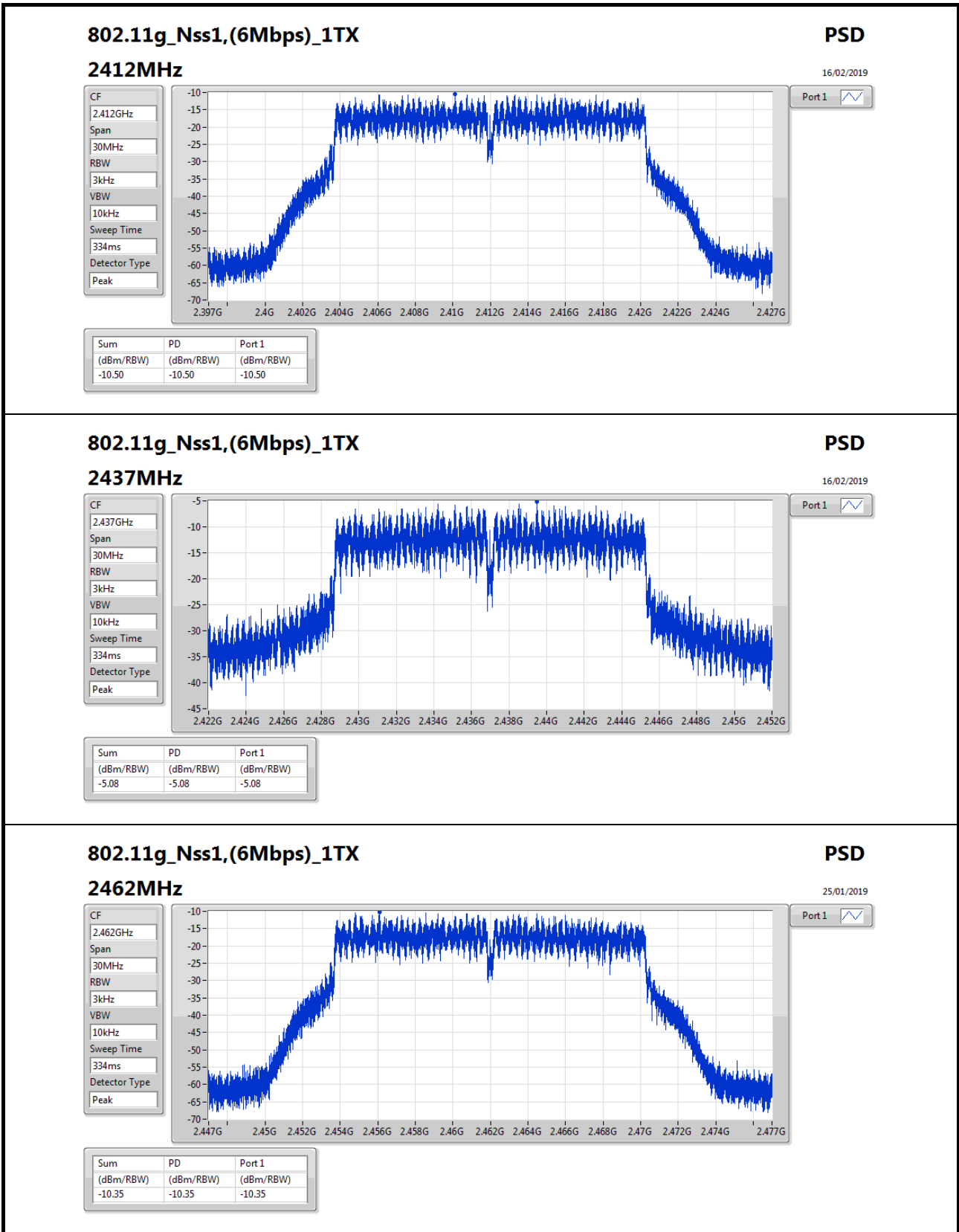
Result

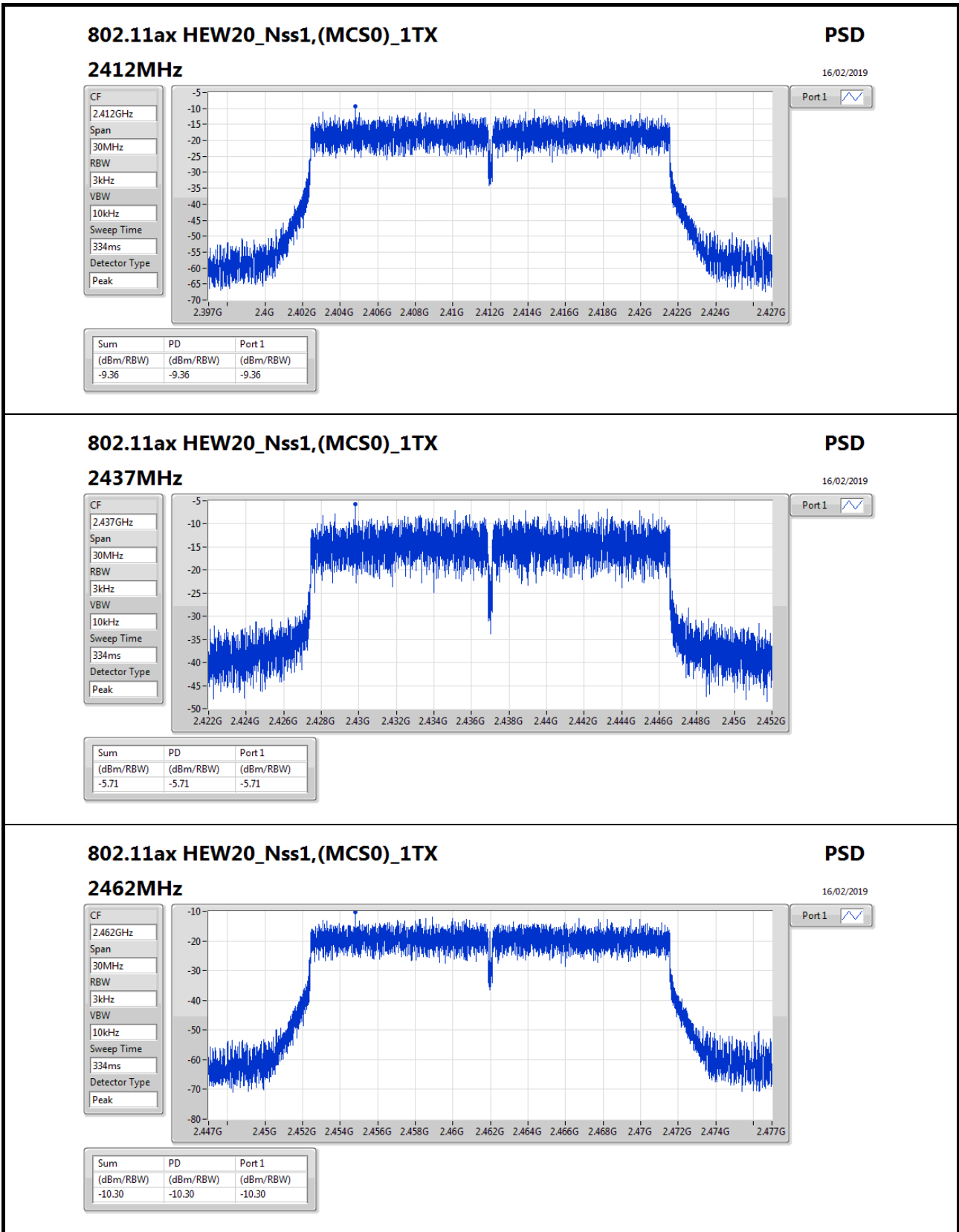
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	6.80	-1.27	-1.27	7.20
2437MHz	Pass	6.80	0.50	0.50	7.20
2462MHz	Pass	6.80	-1.16	-1.16	7.20
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	6.80	-10.50	-10.50	7.20
2437MHz	Pass	6.80	-5.08	-5.08	7.20
2462MHz	Pass	6.80	-10.35	-10.35	7.20
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	6.80	-9.36	-9.36	7.20
2437MHz	Pass	6.80	-5.71	-5.71	7.20
2462MHz	Pass	6.80	-10.30	-10.30	7.20
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	6.80	-12.59	-12.59	7.20
2437MHz	Pass	6.80	-11.63	-11.63	7.20
2452MHz	Pass	6.80	-13.01	-13.01	7.20

DG = Directional Gain; RBW=3kHz;

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

2462MHz

PSD

16/02/2019

CF

2.462GHz

Span

30MHz

RBW

3kHz

VBW

10kHz

Sweep Time

334ms

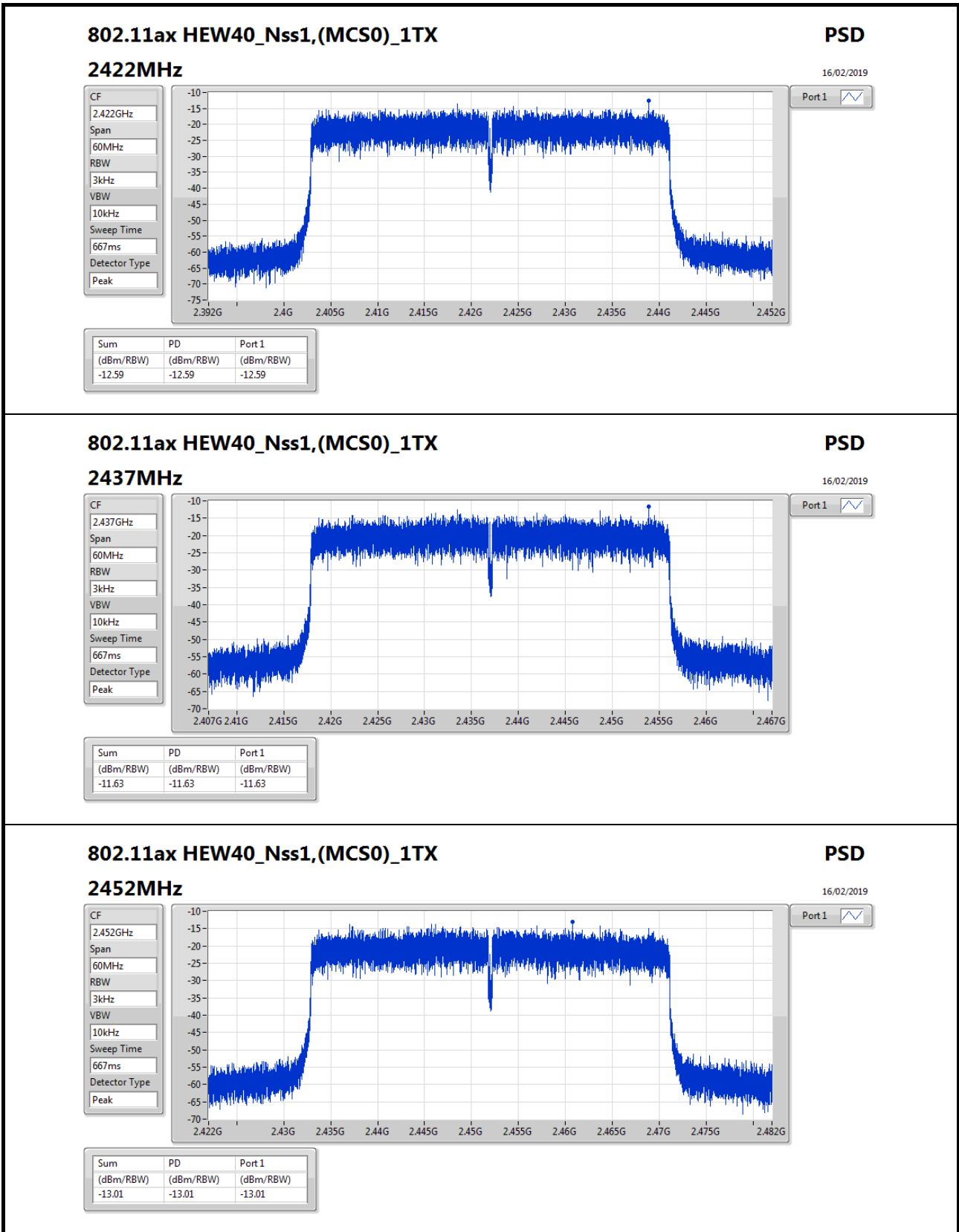
Detector Type

Peak



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.30	-10.30	-10.30



802.11ax HEW40_Nss1,(MCS0)_1TX

2452MHz

PSD

16/02/2019

CF

2.452GHz

Span

60MHz

RBW

3kHz

VBW

10kHz

Sweep Time

667ms

Detector Type

Peak



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.01	-13.01	-13.01



PSD Result

**For Non-beamforming / 2T2S mode
Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss2,(MCS0)_2TX	-4.59
802.11ax HEW40_Nss2,(MCS0)_2TX	-10.71

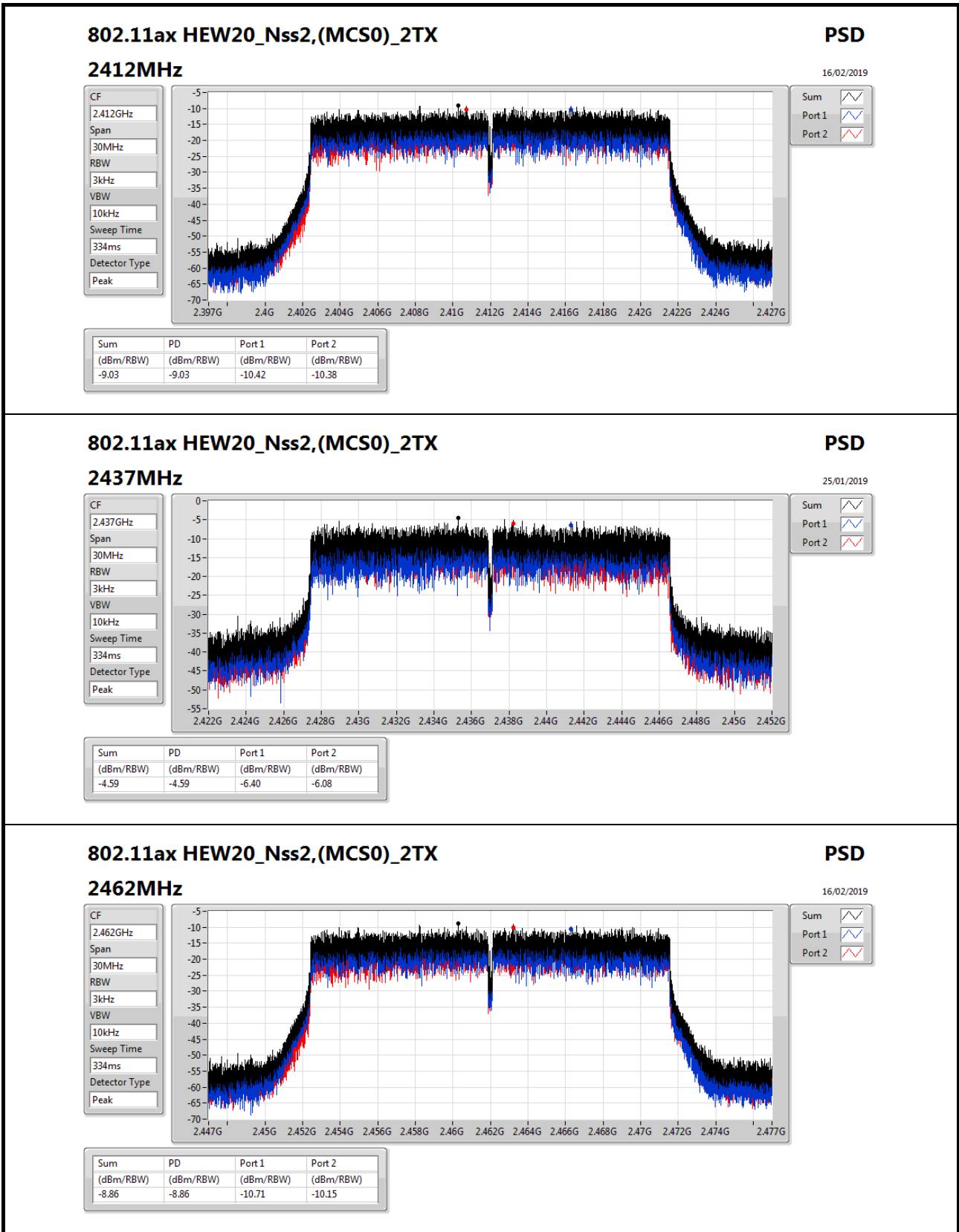
RBW=3kHz.

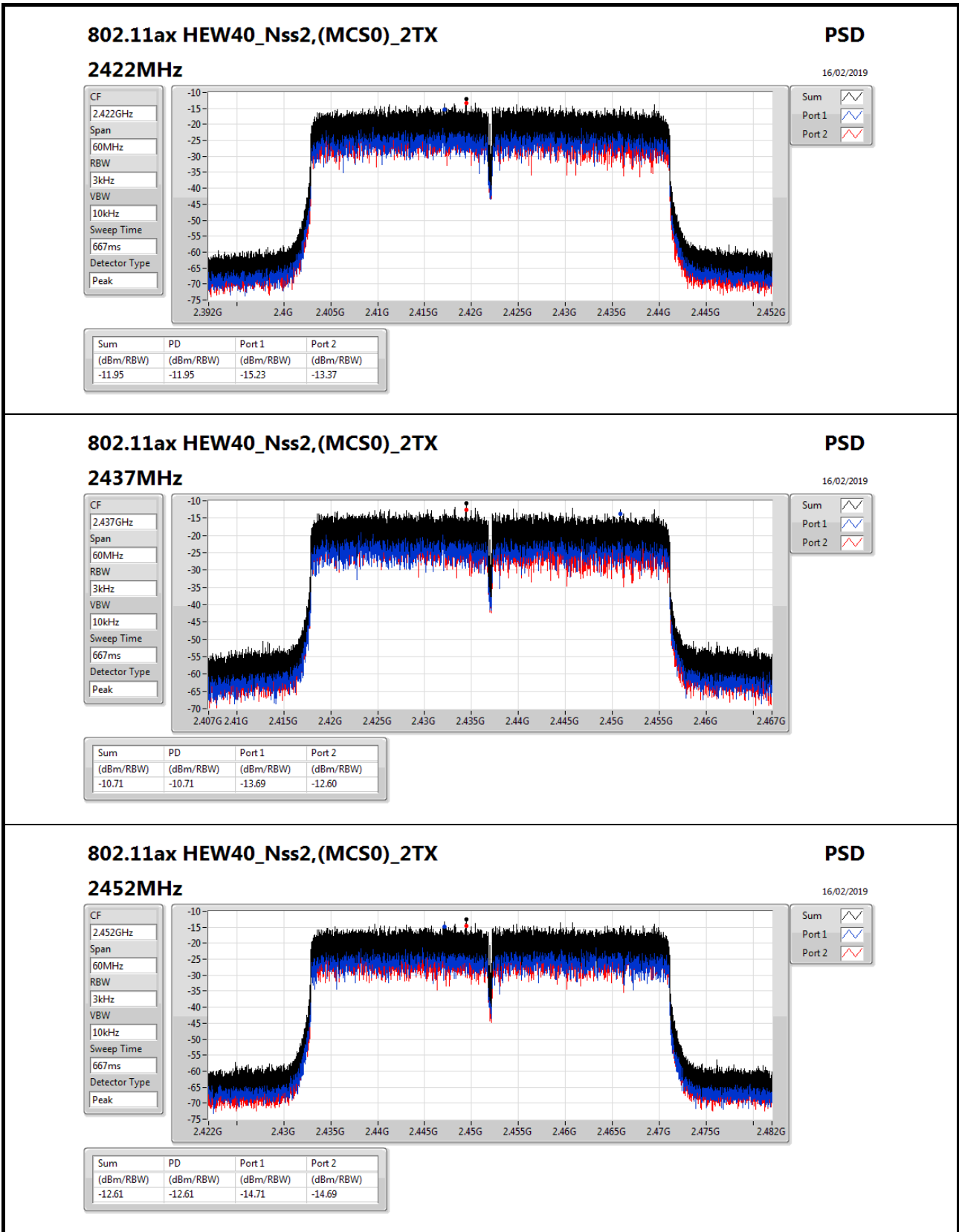
Result

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	-	-	-	-	-	-
2412MHz	Pass	6.80	-10.42	-10.38	-9.03	7.20
2437MHz	Pass	6.80	-6.40	-6.08	-4.59	7.20
2462MHz	Pass	6.80	-10.71	-10.15	-8.86	7.20
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.80	-15.23	-13.37	-11.95	7.20
2437MHz	Pass	6.80	-13.69	-12.60	-10.71	7.20
2452MHz	Pass	6.80	-14.71	-14.69	-12.61	7.20

DG = Directional Gain; RBW=3kHz;

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

2452MHz

PSD

16/02/2019

CF
2.452GHz

Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
667ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.61	-12.61	-14.71	-14.69



PSD Result

**For Non-beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	-3.37
802.11g_Nss1,(6Mbps)_4TX	-2.30
802.11ax HEW20_Nss1,(MCS0)_4TX	-0.04
802.11ax HEW40_Nss1,(MCS0)_4TX	-7.95

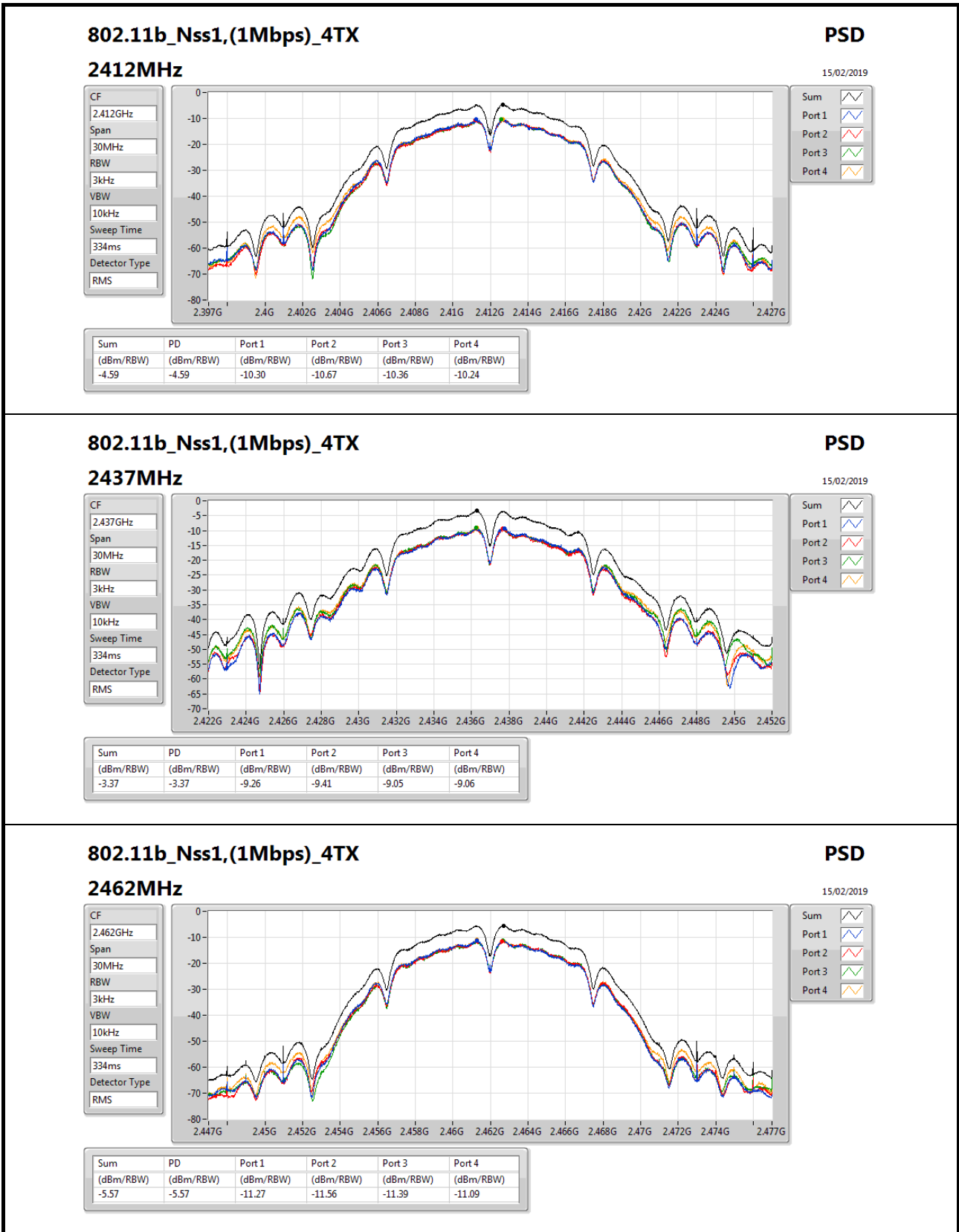
RBW=3kHz.

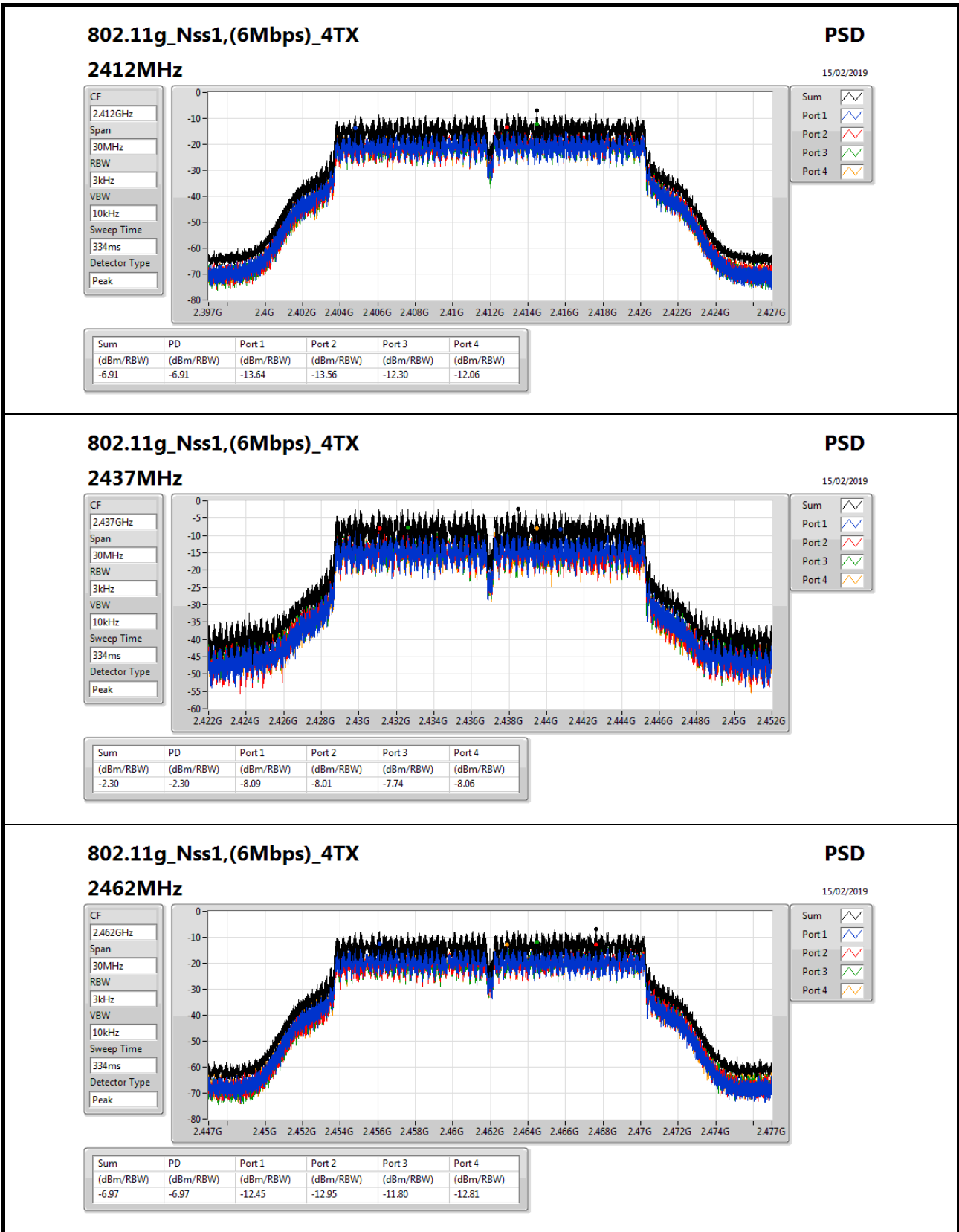
Result

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)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	12.82	-10.30	-10.67	-10.36	-10.24	-4.59	1.18
2437MHz	Pass	12.82	-9.26	-9.41	-9.05	-9.06	-3.37	1.18
2462MHz	Pass	12.82	-11.27	-11.56	-11.39	-11.09	-5.57	1.18
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	12.82	-13.64	-13.56	-12.30	-12.06	-6.91	1.18
2437MHz	Pass	12.82	-8.09	-8.01	-7.74	-8.06	-2.30	1.18
2462MHz	Pass	12.82	-12.45	-12.95	-11.80	-12.81	-6.97	1.18
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	12.82	-12.20	-12.87	-12.88	-12.26	-7.35	1.18
2437MHz	Pass	12.82	-7.33	-5.51	-5.97	-5.65	-0.04	1.18
2462MHz	Pass	12.82	-13.10	-14.36	-14.34	-12.80	-7.57	1.18
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	12.82	-15.24	-14.94	-14.97	-15.84	-9.88	1.18
2437MHz	Pass	12.82	-13.05	-14.53	-13.77	-13.67	-7.95	1.18
2452MHz	Pass	12.82	-16.19	-16.19	-15.33	-16.11	-9.92	1.18

DG = Directional Gain; RBW=3kHz;

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





802.11g_Nss1,(6Mbps)_4TX

2462MHz

PSD

15/02/2019

CF
2.462GHz

Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
334ms

Detector Type
Peak



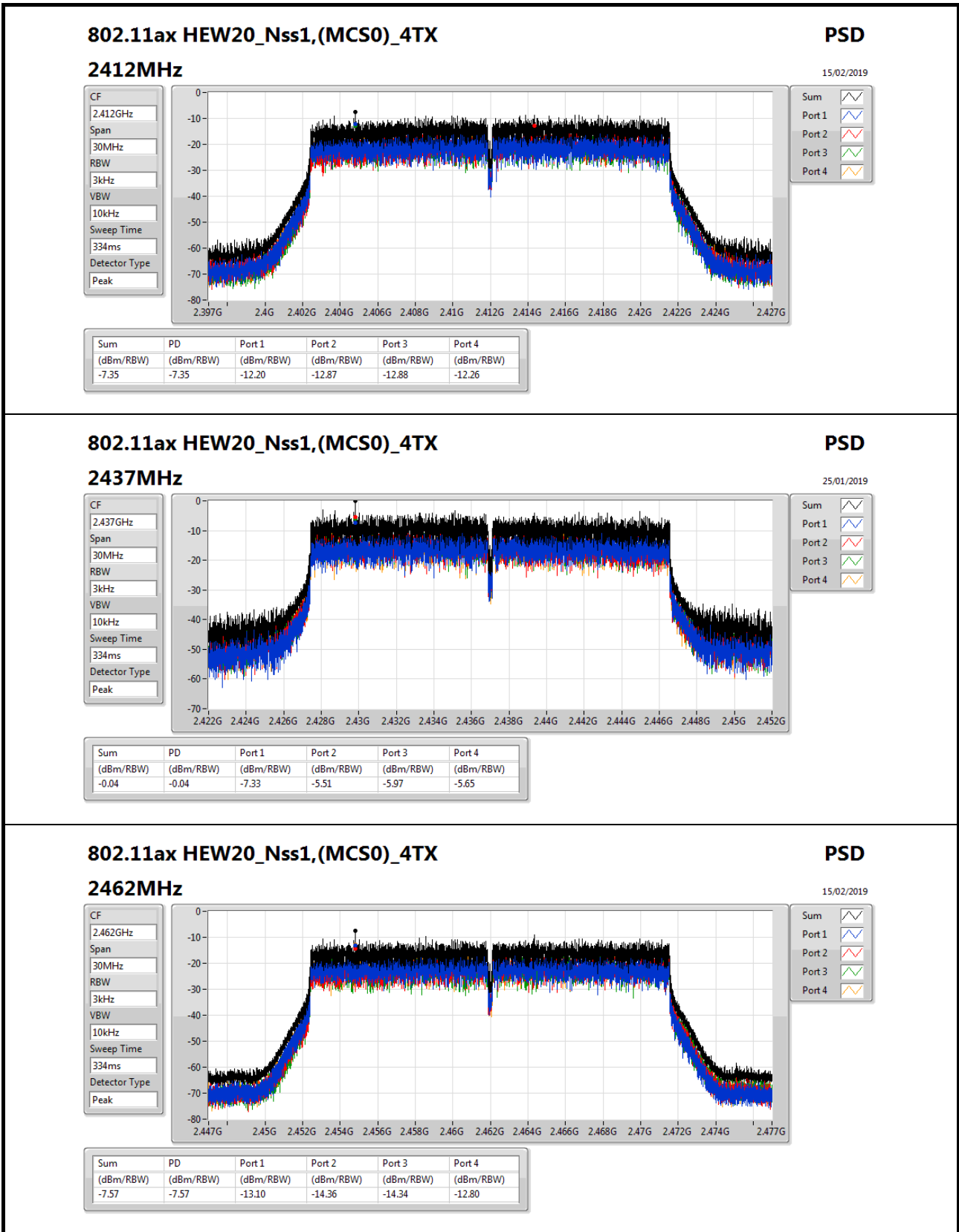
Sum 

Port 1 

Port 2 

Port 3 

Port 4 



802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz

PSD

15/02/2019

CF
2.462GHz

Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
334ms

Detector Type
Peak



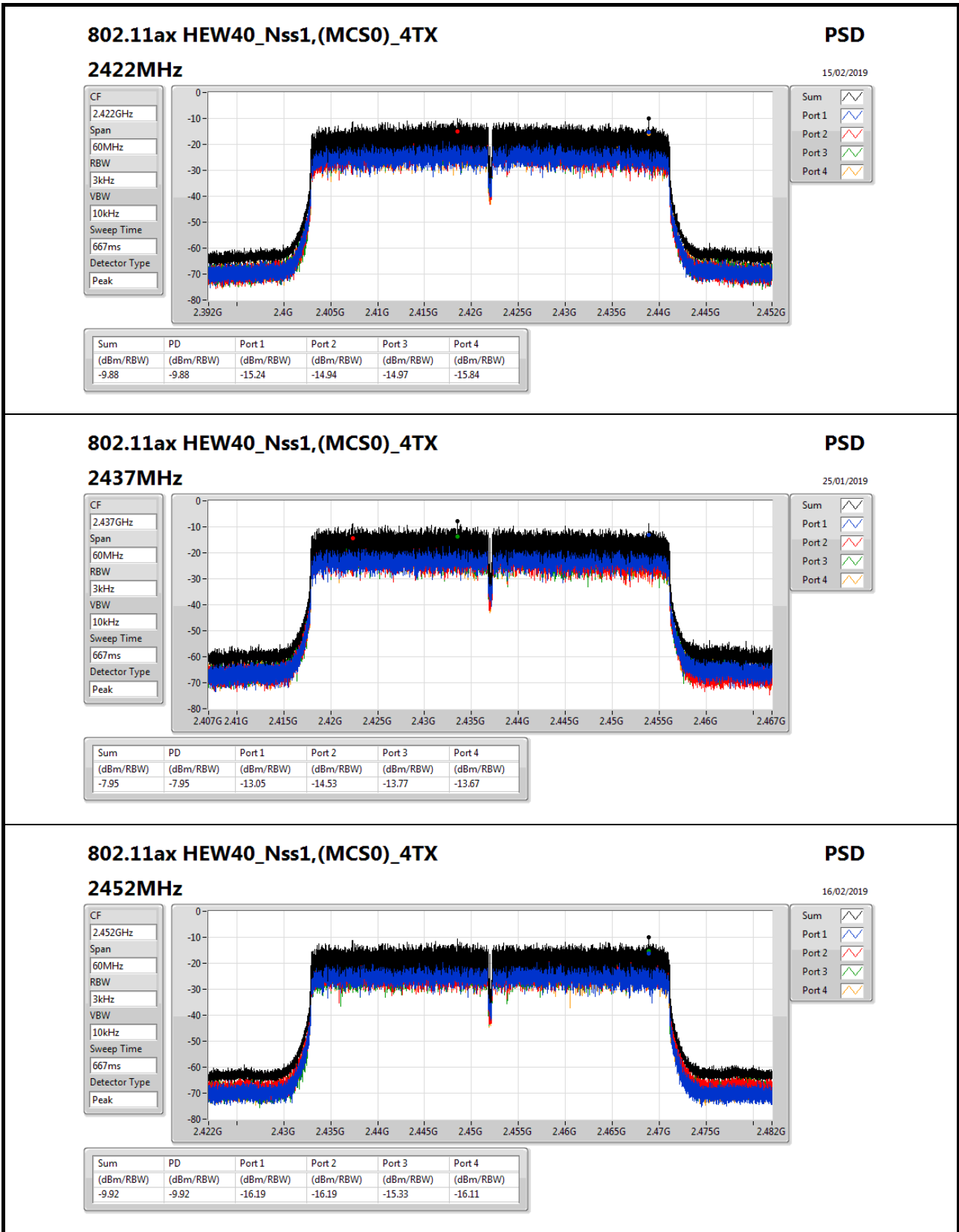
Sum 

Port 1 

Port 2 

Port 3 

Port 4 





PSD Result

**For Beamforming / 4T1S mode
Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-3.26
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-9.55

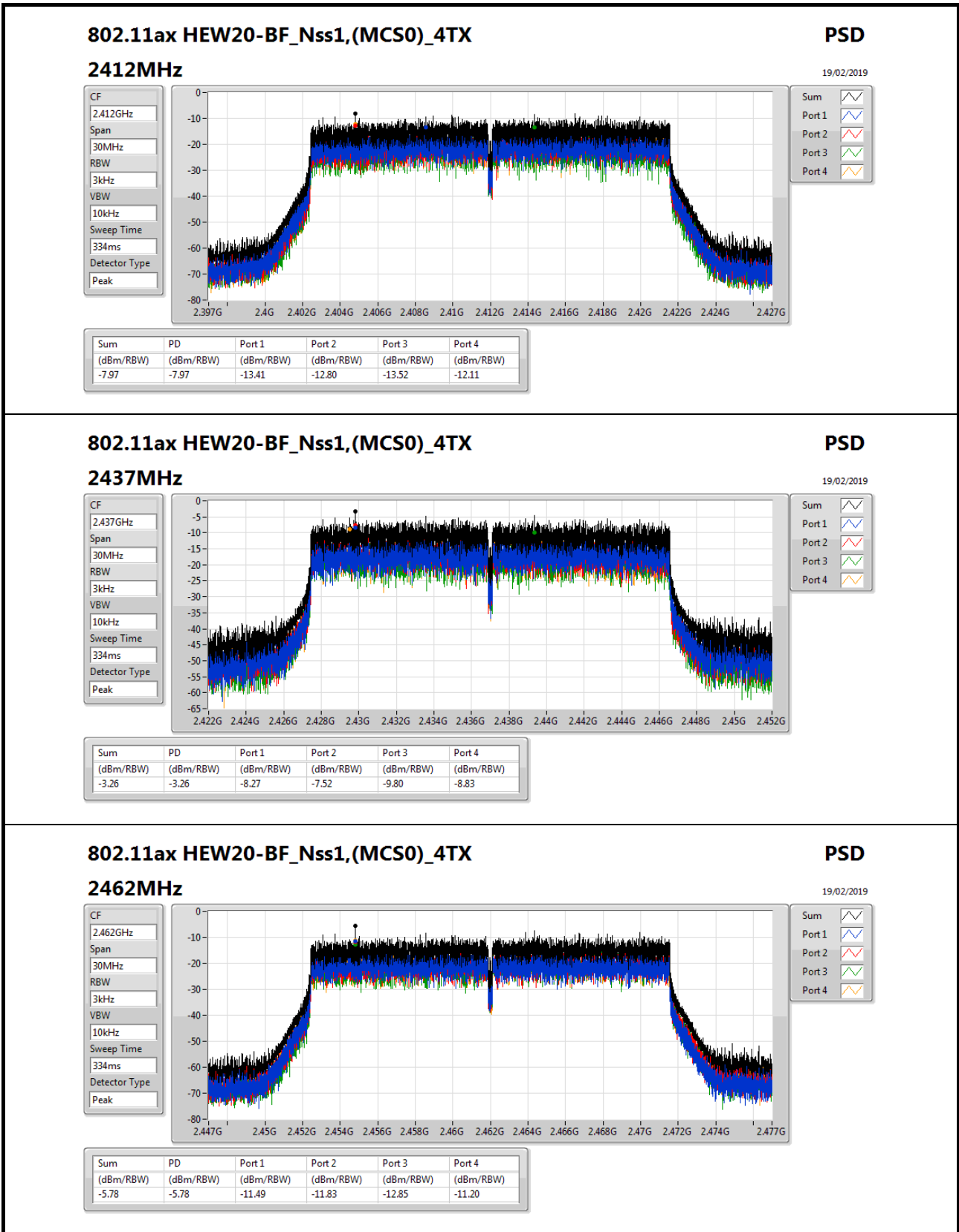
RBW=3kHz.

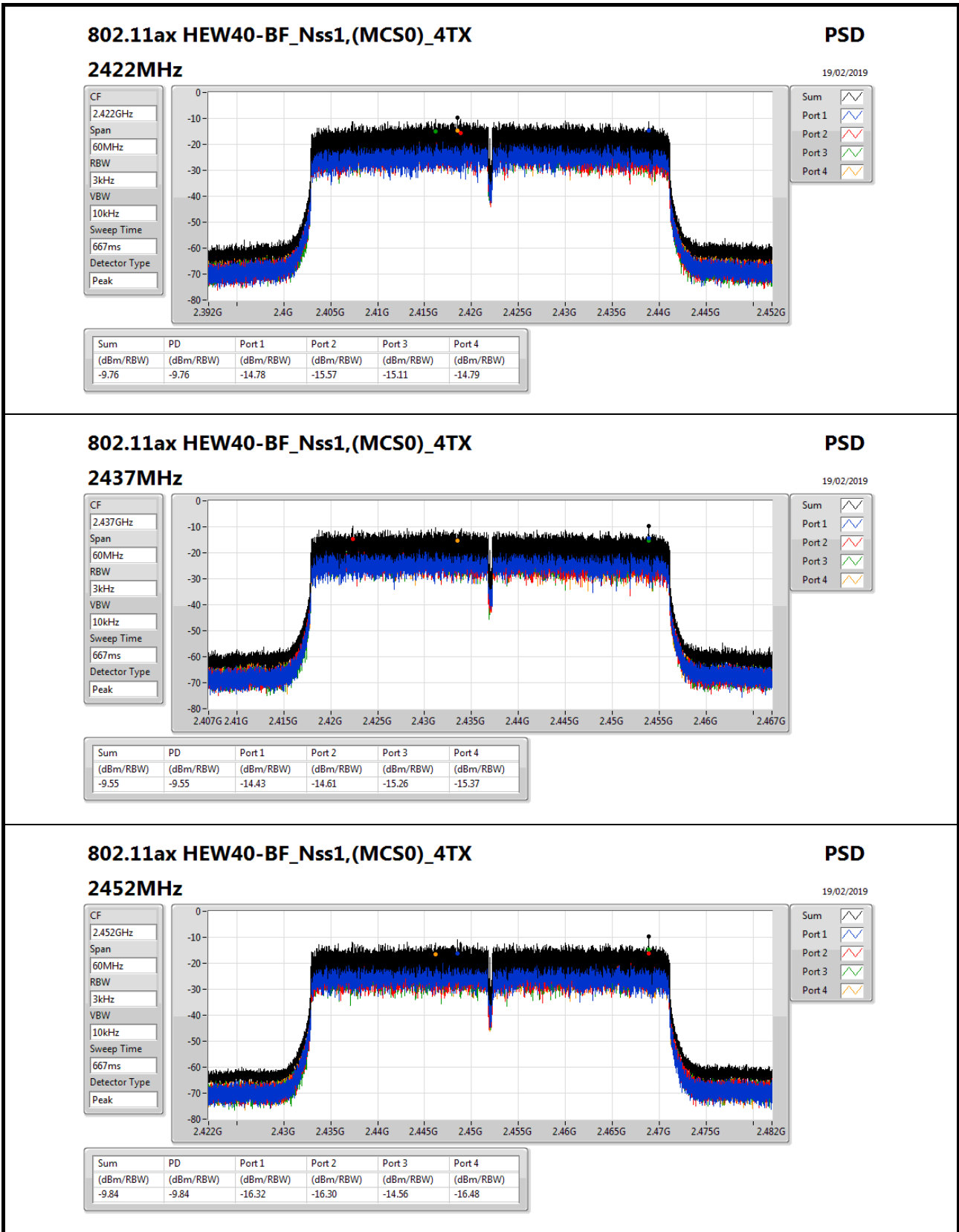
Result

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	-	-	-	-	-	-	-	-
2412MHz	Pass	12.82	-13.41	-12.80	-13.52	-12.11	-7.97	1.18
2437MHz	Pass	12.82	-8.27	-7.52	-9.80	-8.83	-3.26	1.18
2462MHz	Pass	12.82	-11.49	-11.83	-12.85	-11.20	-5.78	1.18
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	12.82	-14.78	-15.57	-15.11	-14.79	-9.76	1.18
2437MHz	Pass	12.82	-14.43	-14.61	-15.26	-15.37	-9.55	1.18
2452MHz	Pass	12.82	-16.32	-16.30	-14.56	-16.48	-9.84	1.18

DG = Directional Gain; RBW=3kHz;

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







PSD Result

**For Non-beamforming / 4T4S mode
Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	-3.78
802.11ax HEW40_Nss4,(MCS0)_4TX	-9.95

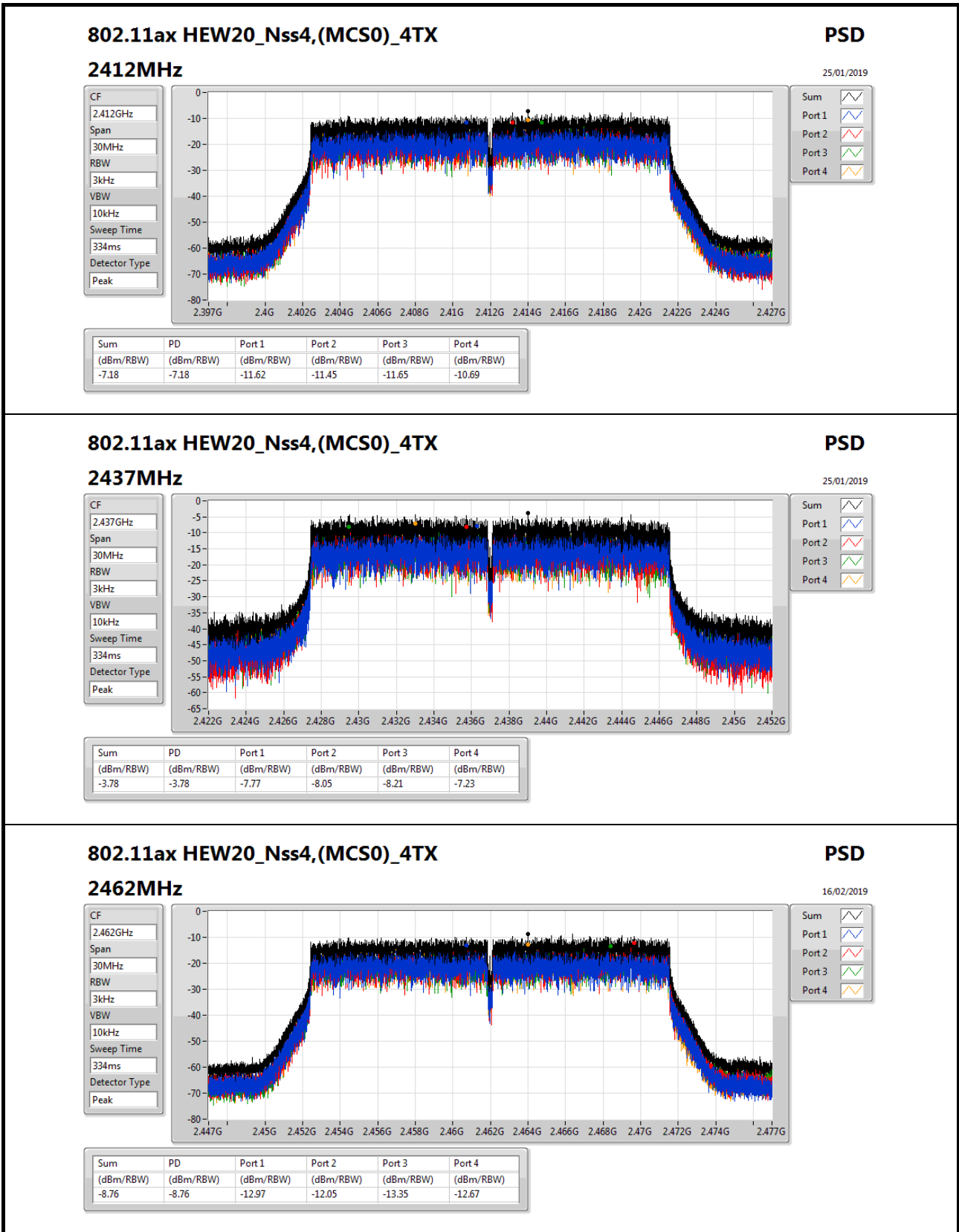
RBW=3kHz.

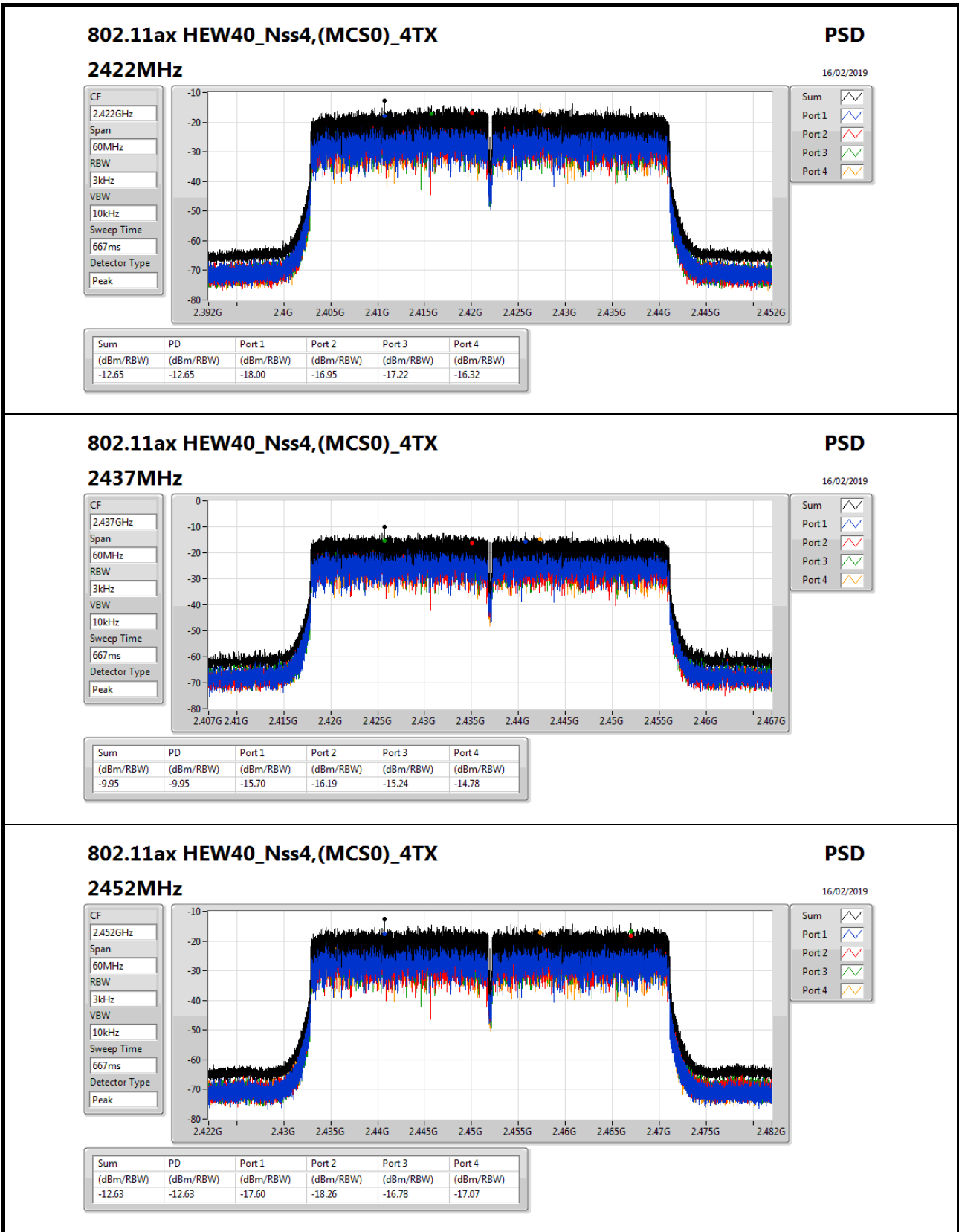
Result

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	-	-	-	-	-	-	-	-
2412MHz	Pass	6.80	-11.62	-11.45	-11.65	-10.69	-7.18	7.20
2437MHz	Pass	6.80	-7.77	-8.05	-8.21	-7.23	-3.78	7.20
2462MHz	Pass	6.80	-12.97	-12.05	-13.35	-12.67	-8.76	7.20
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	6.80	-18.00	-16.95	-17.22	-16.32	-12.65	7.20
2437MHz	Pass	6.80	-15.70	-16.19	-15.24	-14.78	-9.95	7.20
2452MHz	Pass	6.80	-17.60	-18.26	-16.78	-17.07	-12.63	7.20

DG = Directional Gain; RBW=3kHz;

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







CSE Non-restricted Band Result

Appendix E.1

**For Mode 1: (Ant. 4 Omni antenna / 3 dBi)
For Non-beamforming / 1T1S mode
Summary**

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43645G	-1.27	-21.27	1.82294G	-58.93	2.39998G	-43.79	2.5177G	-57.80	17.22875G	-52.47	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.44455G	-7.17	-27.17	796.57M	-58.62	2.39922G	-49.68	2.49412G	-57.54	16.98994G	-52.40	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.4395G	-6.71	-26.71	2.08856G	-58.97	2.39996G	-43.40	2.5112G	-58.39	16.39993G	-52.88	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.442G	-13.16	-33.16	204.33M	-59.30	2.39456G	-54.04	2.52158G	-58.63	17.56791G	-52.74	1

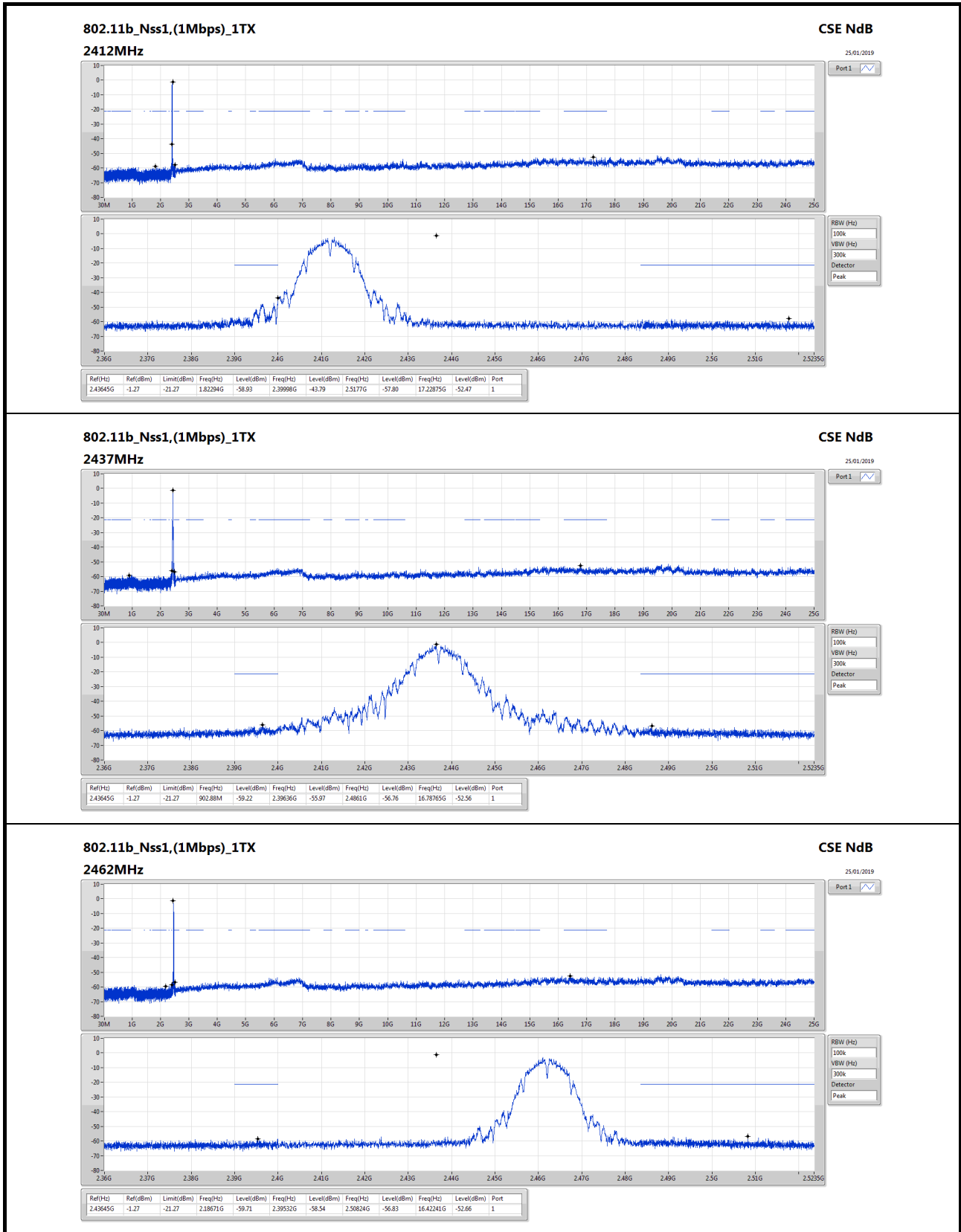
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43645G	-1.27	-21.27	1.82294G	-58.93	2.39998G	-43.79	2.5177G	-57.80	17.22875G	-52.47	1
2437MHz	Pass	2.43645G	-1.27	-21.27	902.88M	-59.22	2.39636G	-55.97	2.4861G	-56.76	16.78765G	-52.56	1
2462MHz	Pass	2.43645G	-1.27	-21.27	2.18671G	-59.71	2.39532G	-58.54	2.50824G	-56.83	16.42241G	-52.66	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44455G	-7.17	-27.17	796.57M	-58.62	2.39922G	-49.68	2.49412G	-57.54	16.98994G	-52.40	1
2437MHz	Pass	2.44455G	-7.17	-27.17	882.78M	-58.64	2.39864G	-50.86	2.4846G	-54.84	16.82979G	-53.04	1
2462MHz	Pass	2.44455G	-7.17	-27.17	830.36M	-58.37	2.39386G	-59.40	2.48894G	-58.20	16.81855G	-52.30	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	-6.71	-26.71	2.08856G	-58.97	2.39996G	-43.40	2.5112G	-58.39	16.39993G	-52.88	1
2437MHz	Pass	2.4395G	-6.71	-26.71	1.93186G	-58.64	2.39978G	-52.00	2.48354G	-55.87	16.20326G	-52.52	1
2462MHz	Pass	2.4395G	-6.71	-26.71	2.04662G	-59.31	2.39824G	-58.07	2.48402G	-57.04	17.50409G	-52.70	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442G	-13.16	-33.16	204.33M	-59.30	2.39456G	-54.04	2.52158G	-58.63	17.56791G	-52.74	1
2437MHz	Pass	2.442G	-13.16	-33.16	1.85513G	-59.35	2.39676G	-54.07	2.48742G	-57.19	24.17826G	-52.80	1
2452MHz	Pass	2.442G	-13.16	-33.16	930.83M	-59.02	2.3922G	-58.71	2.48358G	-55.18	17.47255G	-53.18	1



CSE Non-restricted Band Result

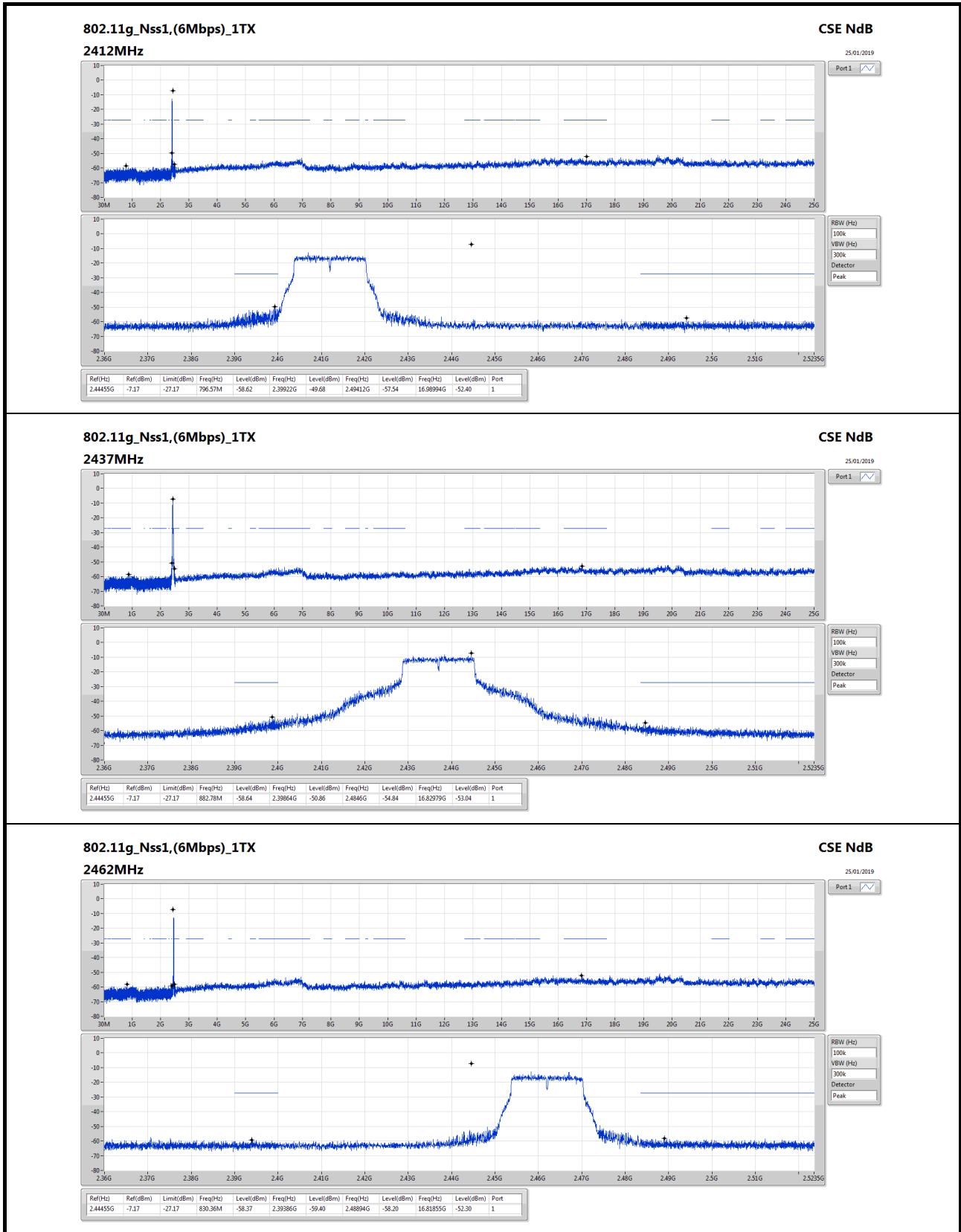
Appendix E.1





CSE Non-restricted Band Result

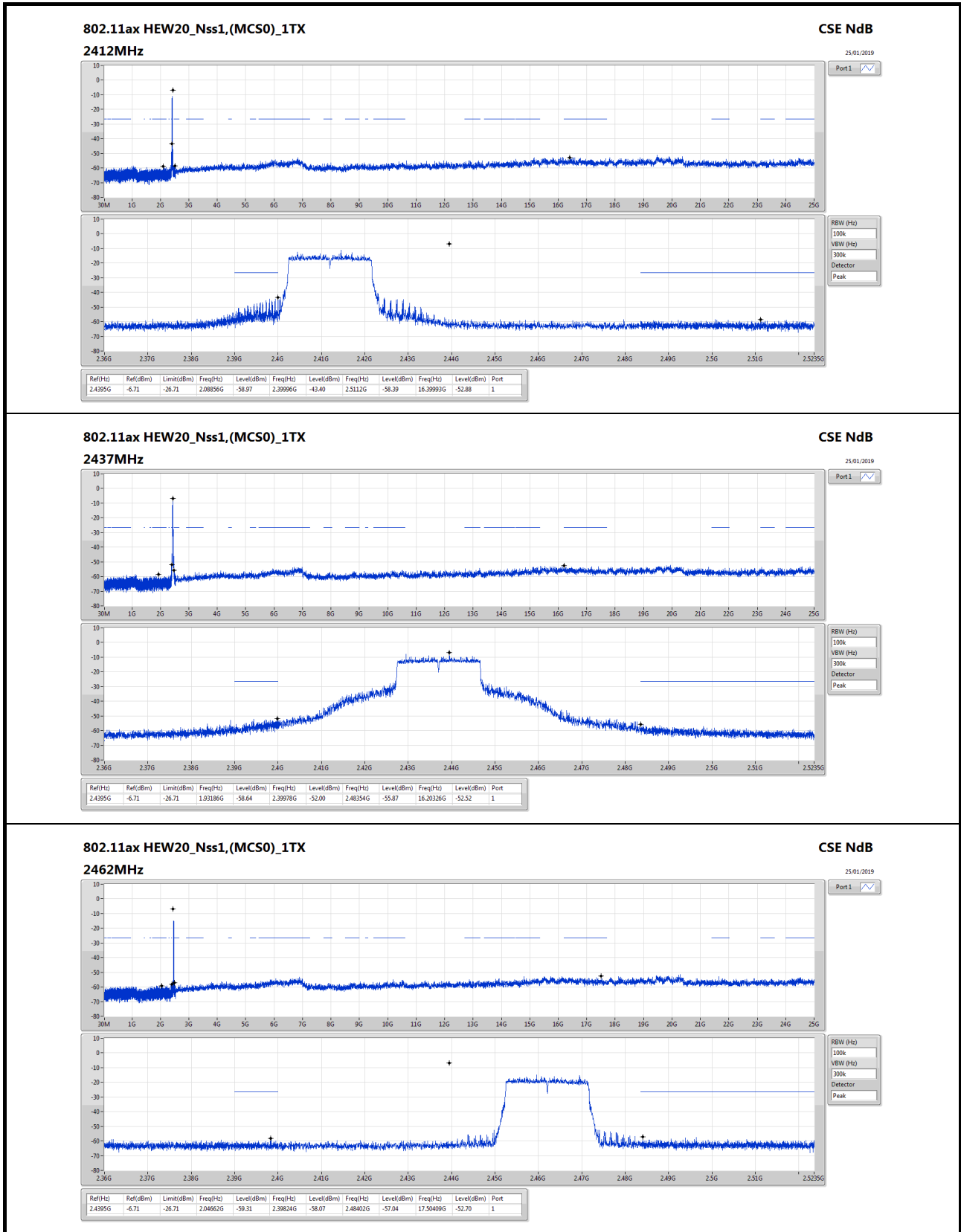
Appendix E.1





CSE Non-restricted Band Result

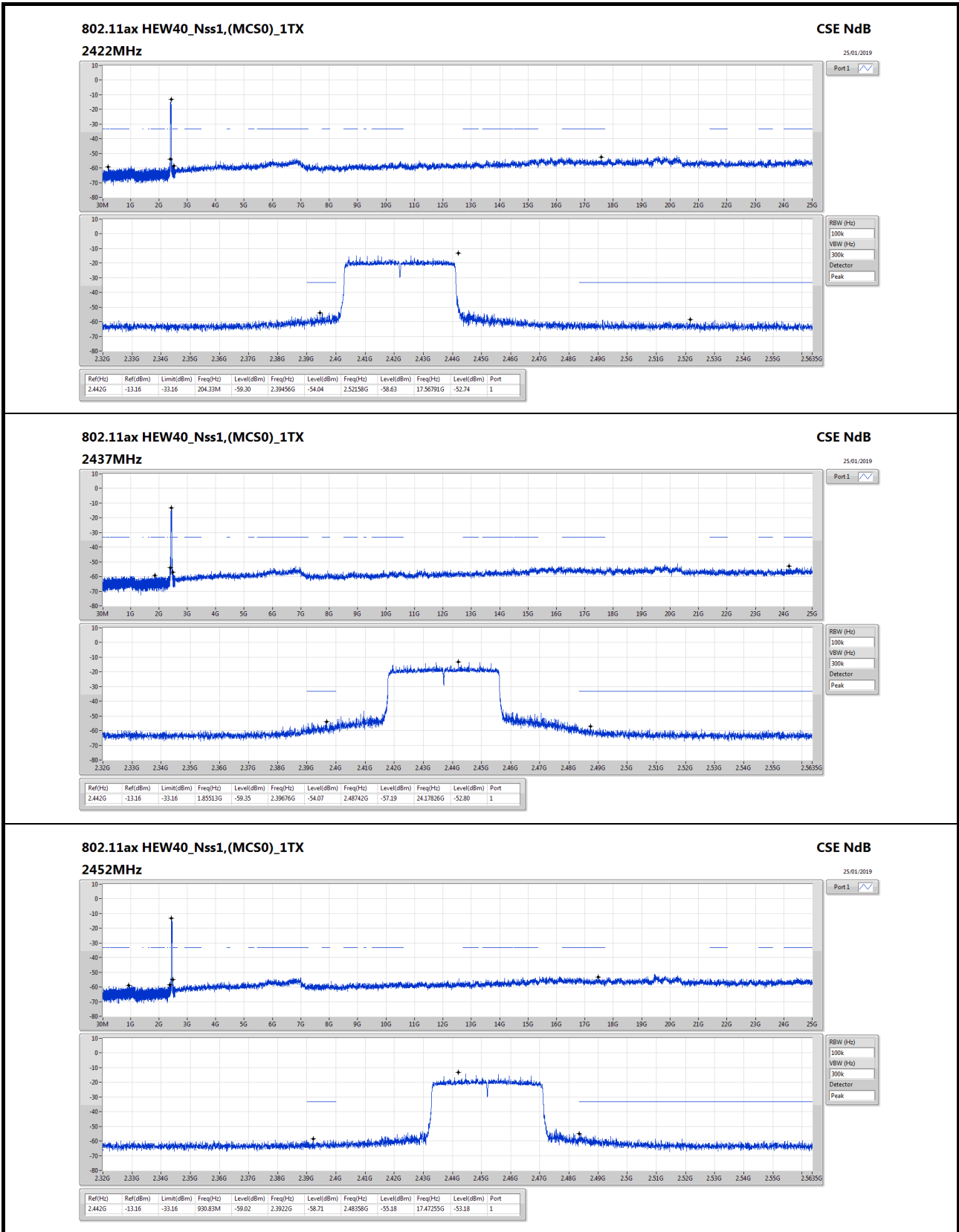
Appendix E.1





CSE Non-restricted Band Result

Appendix E.1





CSE Non-restricted Band Result

Appendix E.2

For Non-beamforming / 2T2S mode Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.442G	-7.25	-27.25	1.7277G	-59.17	2.39902G	-46.13	2.52096G	-58.14	6.72942G	-52.26	2
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.43198G	-14.25	-34.25	376.36M	-58.43	2.39644G	-57.11	2.52694G	-58.49	16.83031G	-52.45	2

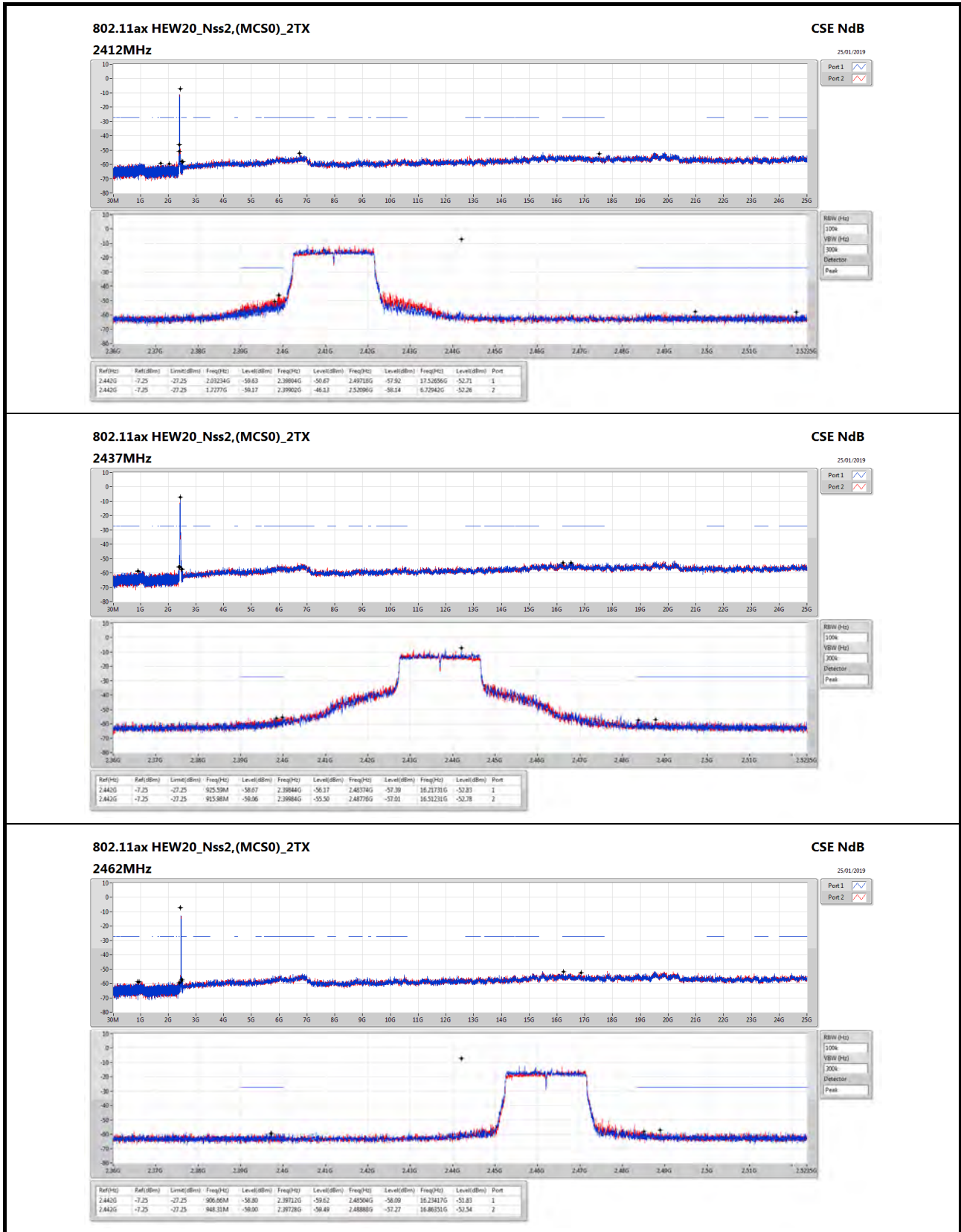
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	-7.25	-27.25	2.03234G	-59.63	2.39804G	-50.67	2.49718G	-57.92	17.52656G	-52.71	1
2412MHz	Pass	2.442G	-7.25	-27.25	1.7277G	-59.17	2.39902G	-46.13	2.52096G	-58.14	6.72942G	-52.26	2
2437MHz	Pass	2.442G	-7.25	-27.25	925.59M	-58.67	2.39844G	-56.17	2.48374G	-57.39	16.21731G	-52.83	1
2437MHz	Pass	2.442G	-7.25	-27.25	915.98M	-59.06	2.39984G	-55.50	2.48776G	-57.01	16.51231G	-52.78	2
2462MHz	Pass	2.442G	-7.25	-27.25	906.66M	-58.80	2.39712G	-59.62	2.48504G	-58.09	16.23417G	-51.83	1
2462MHz	Pass	2.442G	-7.25	-27.25	948.31M	-59.00	2.39728G	-59.49	2.48888G	-57.27	16.86351G	-52.54	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	-14.25	-34.25	710.99M	-58.57	2.39984G	-58.13	2.50198G	-58.40	15.23732G	-52.47	1
2422MHz	Pass	2.43198G	-14.25	-34.25	376.36M	-58.43	2.39644G	-57.11	2.52694G	-58.49	16.83031G	-52.45	2
2437MHz	Pass	2.43198G	-14.25	-34.25	210.91M	-58.91	2.39736G	-55.48	2.49758G	-58.25	24.58773G	-53.11	1
2437MHz	Pass	2.43198G	-14.25	-34.25	2.13451G	-58.78	2.39636G	-57.70	2.50326G	-58.43	16.4545G	-52.84	2
2452MHz	Pass	2.43198G	-14.25	-34.25	924.53M	-59.27	2.39748G	-59.53	2.52154G	-58.03	17.48938G	-52.57	1
2452MHz	Pass	2.43198G	-14.25	-34.25	1.80876G	-59.13	2.39652G	-58.90	2.49006G	-58.39	16.35634G	-52.61	2



CSE Non-restricted Band Result

Appendix E.2



802.11ax HEW20_Nss2,(MCS0)_2TX

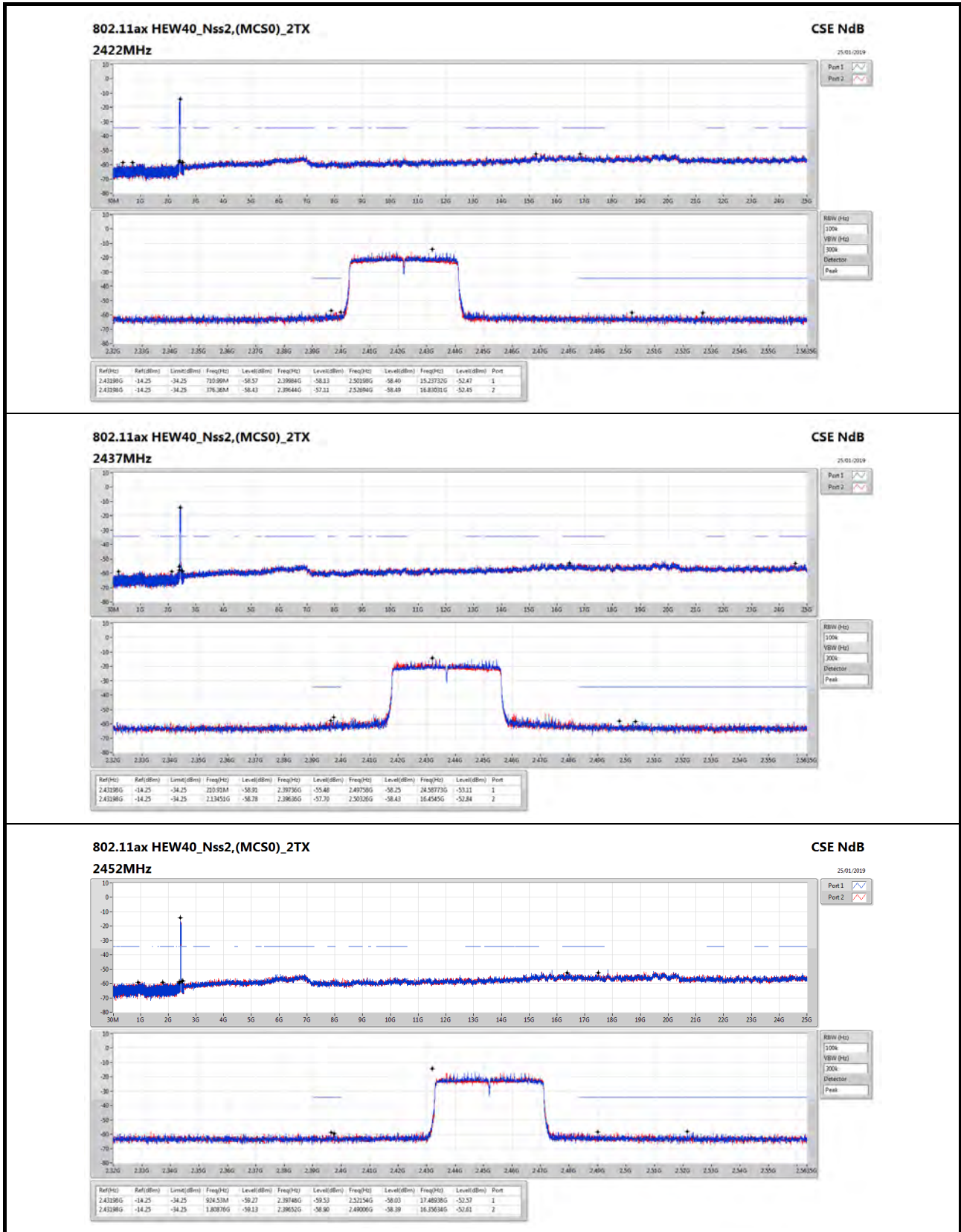
2462MHz

CSE NdB

25/01/2019

Port 1

Port 2





CSE Non-restricted Band Result

Appendix E.3

For Non-beamforming / 4T1S mode Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.43649G	-0.82	-20.82	2.1535G	-59.48	2.39998G	-47.44	2.52062G	-57.70	16.43364G	-52.32	1
802.11g_Nss1,(6Mbps)_4TX	Pass	2.4357G	-9.02	-29.02	399.89M	-59.66	2.39816G	-57.53	2.51938G	-58.71	16.4505G	-51.85	2
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.43828G	-10.25	-30.25	1.94497G	-59.57	2.39904G	-50.51	2.49596G	-57.85	16.44769G	-51.79	1
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.422G	-15.06	-35.06	935.41M	-58.52	2.39988G	-59.66	2.52022G	-58.24	17.48658G	-51.20	1

Result

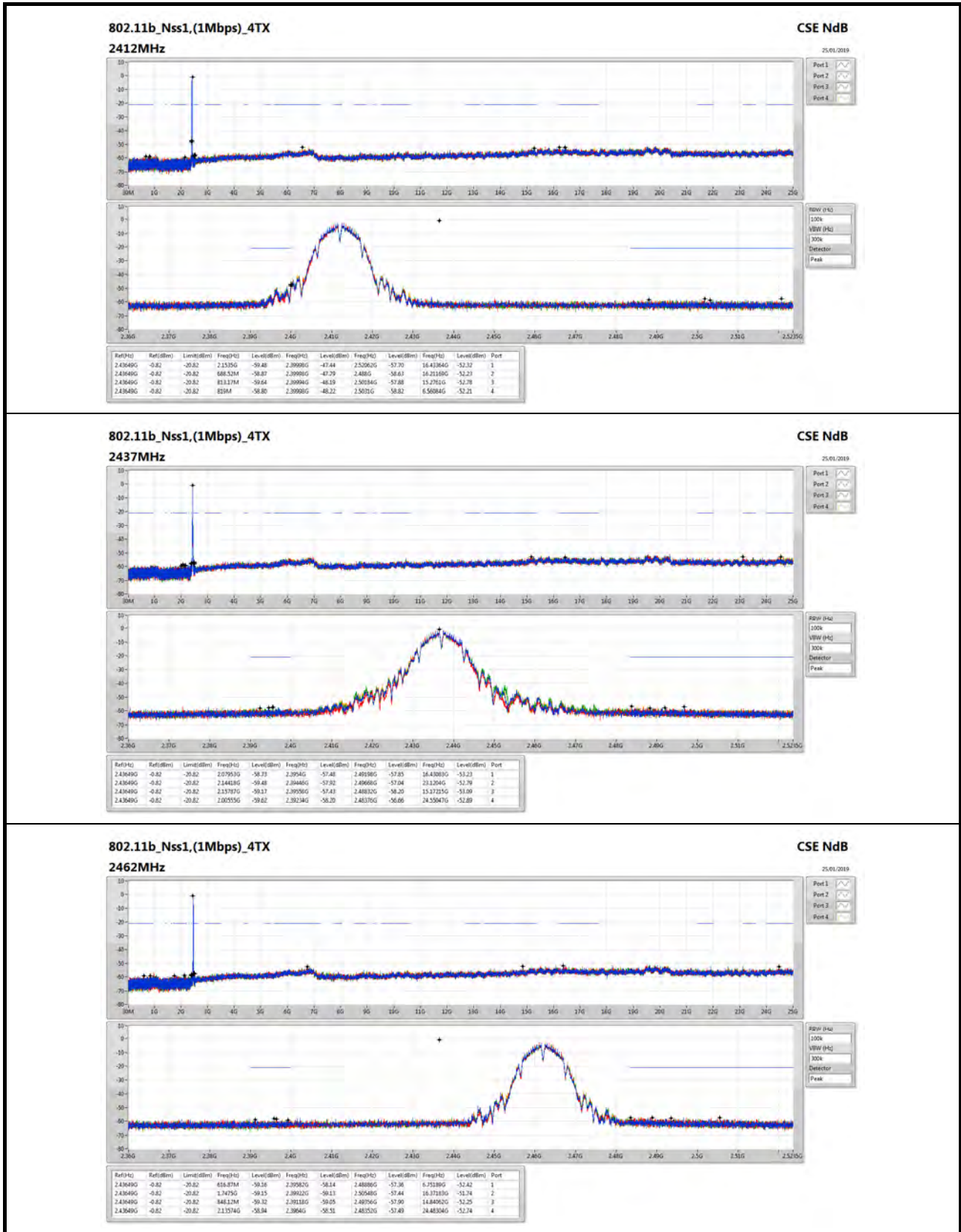
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43649G	-0.82	-20.82	2.1535G	-59.48	2.39998G	-47.44	2.52062G	-57.70	16.43364G	-52.32	1
2412MHz	Pass	2.43649G	-0.82	-20.82	688.52M	-58.87	2.39998G	-47.79	2.488G	-58.63	16.21169G	-52.23	2
2412MHz	Pass	2.43649G	-0.82	-20.82	813.17M	-59.64	2.39994G	-48.19	2.50184G	-57.88	15.2761G	-52.78	3
2412MHz	Pass	2.43649G	-0.82	-20.82	819M	-58.80	2.39998G	-48.22	2.5031G	-58.82	6.56084G	-52.21	4
2437MHz	Pass	2.43649G	-0.82	-20.82	2.07953G	-58.73	2.3954G	-57.48	2.49198G	-57.85	16.43083G	-53.23	1
2437MHz	Pass	2.43649G	-0.82	-20.82	2.14418G	-59.48	2.39446G	-57.92	2.49668G	-57.04	23.1204G	-52.79	2
2437MHz	Pass	2.43649G	-0.82	-20.82	2.15787G	-59.17	2.39558G	-57.43	2.48832G	-58.20	15.17215G	-53.09	3
2437MHz	Pass	2.43649G	-0.82	-20.82	2.00555G	-59.62	2.39234G	-58.20	2.48376G	-56.66	24.55047G	-52.89	4
2462MHz	Pass	2.43649G	-0.82	-20.82	616.87M	-59.16	2.39582G	-58.14	2.48886G	-57.36	6.75189G	-52.42	1
2462MHz	Pass	2.43649G	-0.82	-20.82	1.7475G	-59.15	2.39922G	-59.13	2.50548G	-57.44	16.37183G	-51.74	2
2462MHz	Pass	2.43649G	-0.82	-20.82	848.12M	-59.32	2.39118G	-59.05	2.49356G	-57.90	14.84062G	-52.25	3
2462MHz	Pass	2.43649G	-0.82	-20.82	2.13574G	-58.94	2.3964G	-58.51	2.48352G	-57.49	24.48304G	-52.74	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4357G	-9.02	-29.02	2.12088G	-59.26	2.3987G	-56.01	2.5032G	-58.48	17.23437G	-51.93	1
2412MHz	Pass	2.4357G	-9.02	-29.02	958.51M	-59.07	2.39832G	-57.93	2.49654G	-58.16	6.6367G	-53.19	2
2412MHz	Pass	2.4357G	-9.02	-29.02	2.08069G	-59.62	2.39666G	-57.10	2.5036G	-58.56	16.75393G	-51.86	3
2412MHz	Pass	2.4357G	-9.02	-29.02	1.80284G	-58.82	2.3983G	-53.28	2.48978G	-58.04	16.3915G	-52.71	4
2437MHz	Pass	2.4357G	-9.02	-29.02	2.0839G	-58.66	2.39332G	-58.47	2.48782G	-57.60	15.14125G	-52.41	1
2437MHz	Pass	2.4357G	-9.02	-29.02	399.89M	-59.66	2.39816G	-57.53	2.51938G	-58.71	16.4505G	-51.85	2
2437MHz	Pass	2.4357G	-9.02	-29.02	441.54M	-59.10	2.39386G	-58.53	2.48942G	-58.30	15.27329G	-52.75	3
2437MHz	Pass	2.4357G	-9.02	-29.02	235.33M	-58.57	2.39786G	-57.71	2.48436G	-57.95	15.20306G	-53.06	4
2462MHz	Pass	2.4357G	-9.02	-29.02	2.15613G	-59.21	2.39994G	-59.19	2.48934G	-58.70	16.90003G	-52.77	1
2462MHz	Pass	2.4357G	-9.02	-29.02	357.07M	-59.11	2.397G	-59.26	2.49554G	-57.69	15.17496G	-52.56	2
2462MHz	Pass	2.4357G	-9.02	-29.02	1.7909G	-59.42	2.39112G	-59.19	2.48366G	-57.77	15.17215G	-52.38	3
2462MHz	Pass	2.4357G	-9.02	-29.02	907.25M	-59.17	2.39798G	-59.34	2.48484G	-58.43	24.34818G	-52.91	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43828G	-10.25	-30.25	1.94497G	-59.57	2.39904G	-50.51	2.49596G	-57.85	16.44769G	-51.79	1
2412MHz	Pass	2.43828G	-10.25	-30.25	2.01749G	-59.14	2.39978G	-51.03	2.52024G	-58.80	16.79889G	-52.37	2
2412MHz	Pass	2.43828G	-10.25	-30.25	2.14826G	-58.70	2.39962G	-51.84	2.48472G	-58.47	16.4196G	-52.15	3
2412MHz	Pass	2.43828G	-10.25	-30.25	1.76177G	-59.20	2.399G	-51.43	2.49688G	-58.45	15.24801G	-51.20	4
2437MHz	Pass	2.43828G	-10.25	-30.25	939.57M	-58.73	2.3978G	-57.44	2.51454G	-58.45	16.26507G	-53.00	1
2437MHz	Pass	2.43828G	-10.25	-30.25	1.82264G	-59.08	2.39746G	-56.28	2.51404G	-58.60	6.83899G	-52.39	2
2437MHz	Pass	2.43828G	-10.25	-30.25	1.92982G	-58.43	2.39976G	-56.71	2.48964G	-58.67	16.76517G	-52.73	3
2437MHz	Pass	2.43828G	-10.25	-30.25	712.11M	-59.49	2.3999G	-57.34	2.51872G	-58.33	16.68931G	-53.32	4
2462MHz	Pass	2.43828G	-10.25	-30.25	1.98225G	-58.14	2.39756G	-59.37	2.51486G	-58.57	15.14405G	-52.61	1
2462MHz	Pass	2.43828G	-10.25	-30.25	2.06817G	-59.30	2.3971G	-58.64	2.51618G	-58.43	16.36621G	-50.94	2

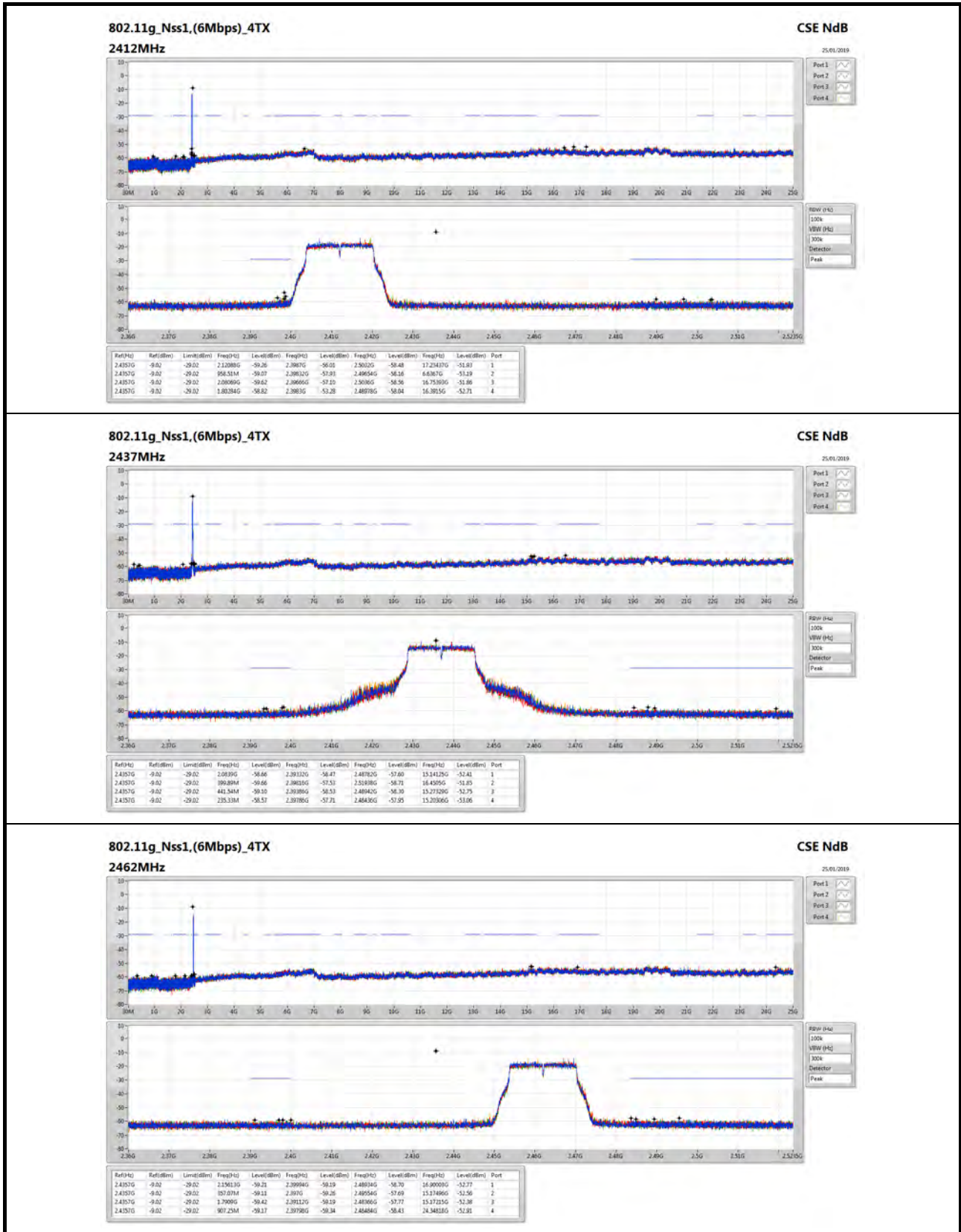


CSE Non-restricted Band Result

Appendix E.3

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2462MHz	Pass	2.43828G	-10.25	-30.25	948.02M	-59.26	2.3998G	-58.91	2.4842G	-57.34	16.43926G	-51.69	3
2462MHz	Pass	2.43828G	-10.25	-30.25	913.94M	-58.90	2.3947G	-59.77	2.5213G	-58.04	17.53499G	-52.85	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.422G	-15.06	-35.06	878.73M	-58.97	2.39752G	-58.30	2.50238G	-58.83	16.4573G	-52.09	1
2422MHz	Pass	2.422G	-15.06	-35.06	803.45M	-58.42	2.39132G	-58.86	2.50714G	-58.40	17.16125G	-52.08	2
2422MHz	Pass	2.422G	-15.06	-35.06	953.73M	-58.85	2.39972G	-59.09	2.49538G	-59.32	24.87099G	-52.52	3
2422MHz	Pass	2.422G	-15.06	-35.06	1.88805G	-59.65	2.39712G	-58.67	2.50666G	-58.91	15.08587G	-52.80	4
2437MHz	Pass	2.422G	-15.06	-35.06	818.33M	-58.17	2.39768G	-59.40	2.5419G	-58.25	16.49937G	-52.48	1
2437MHz	Pass	2.422G	-15.06	-35.06	2.05207G	-59.11	2.39284G	-59.15	2.5101G	-58.48	24.43628G	-52.64	2
2437MHz	Pass	2.422G	-15.06	-35.06	2.09386G	-59.42	2.39676G	-58.80	2.4935G	-58.49	16.763G	-52.01	3
2437MHz	Pass	2.422G	-15.06	-35.06	840.66M	-59.06	2.39708G	-58.88	2.55474G	-59.00	16.85836G	-52.79	4
2452MHz	Pass	2.422G	-15.06	-35.06	935.41M	-58.52	2.39988G	-59.66	2.52022G	-58.24	17.48658G	-51.20	1
2452MHz	Pass	2.422G	-15.06	-35.06	2.11476G	-59.69	2.39392G	-59.76	2.48854G	-58.82	16.51059G	-52.66	2
2452MHz	Pass	2.422G	-15.06	-35.06	1.76611G	-58.98	2.39552G	-59.90	2.48494G	-58.52	16.69289G	-51.70	3
2452MHz	Pass	2.422G	-15.06	-35.06	935.12M	-58.64	2.39568G	-60.14	2.49686G	-58.34	6.92179G	-52.44	4

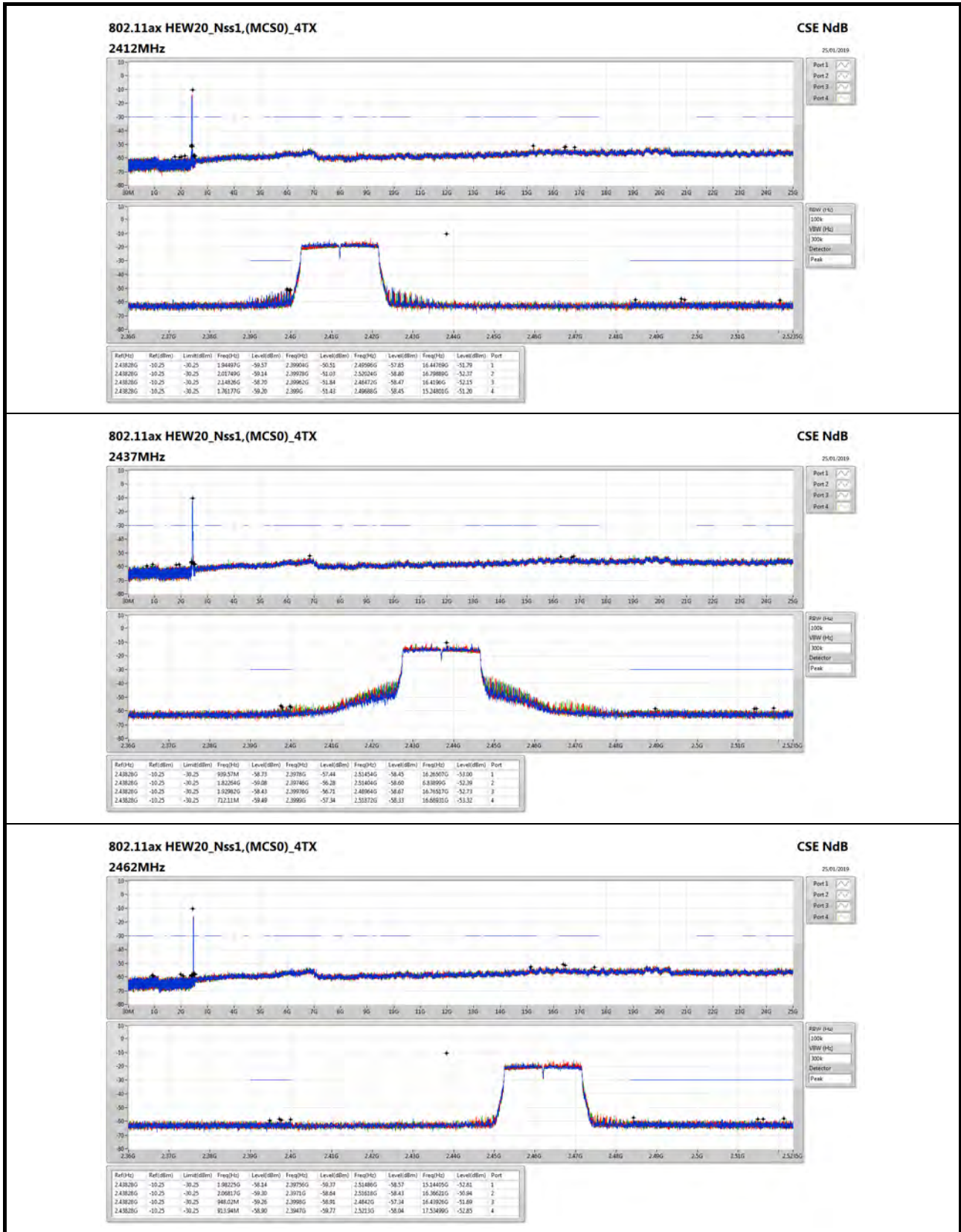






CSE Non-restricted Band Result

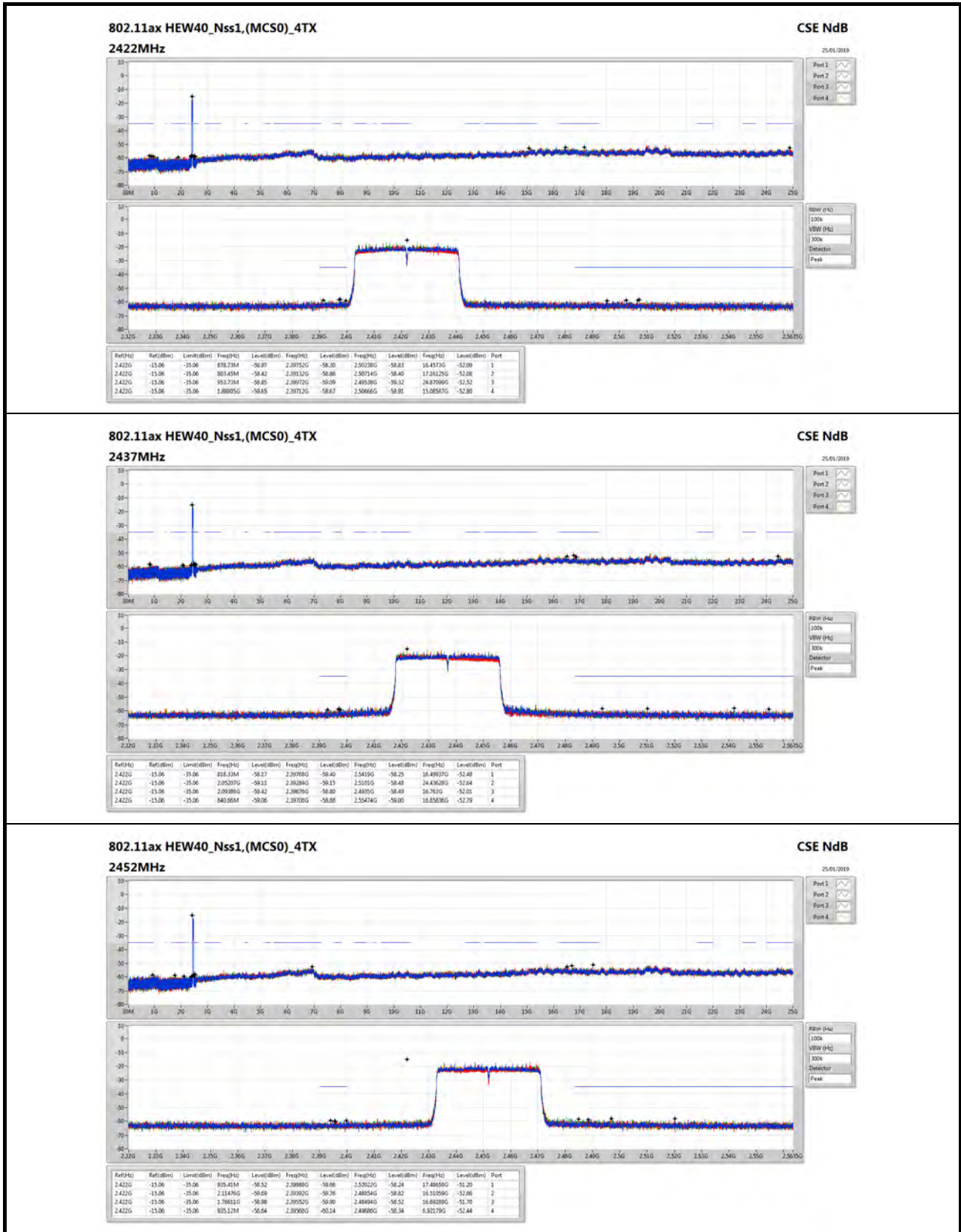
Appendix E.3





CSE Non-restricted Band Result

Appendix E.3





CSE Non-restricted Band Result

Appendix E.4

For Beamforming / 4T1S mode Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	2.43073G	24.33	-5.67	2.03147G	-46.72	2.39976G	-13.80	2.4839G	-38.09	16.86913G	-41.06	3
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.44192G	16.17	-13.83	1.91582G	-47.19	2.39712G	-24.66	2.48606G	-37.91	15.30182G	-40.18	1

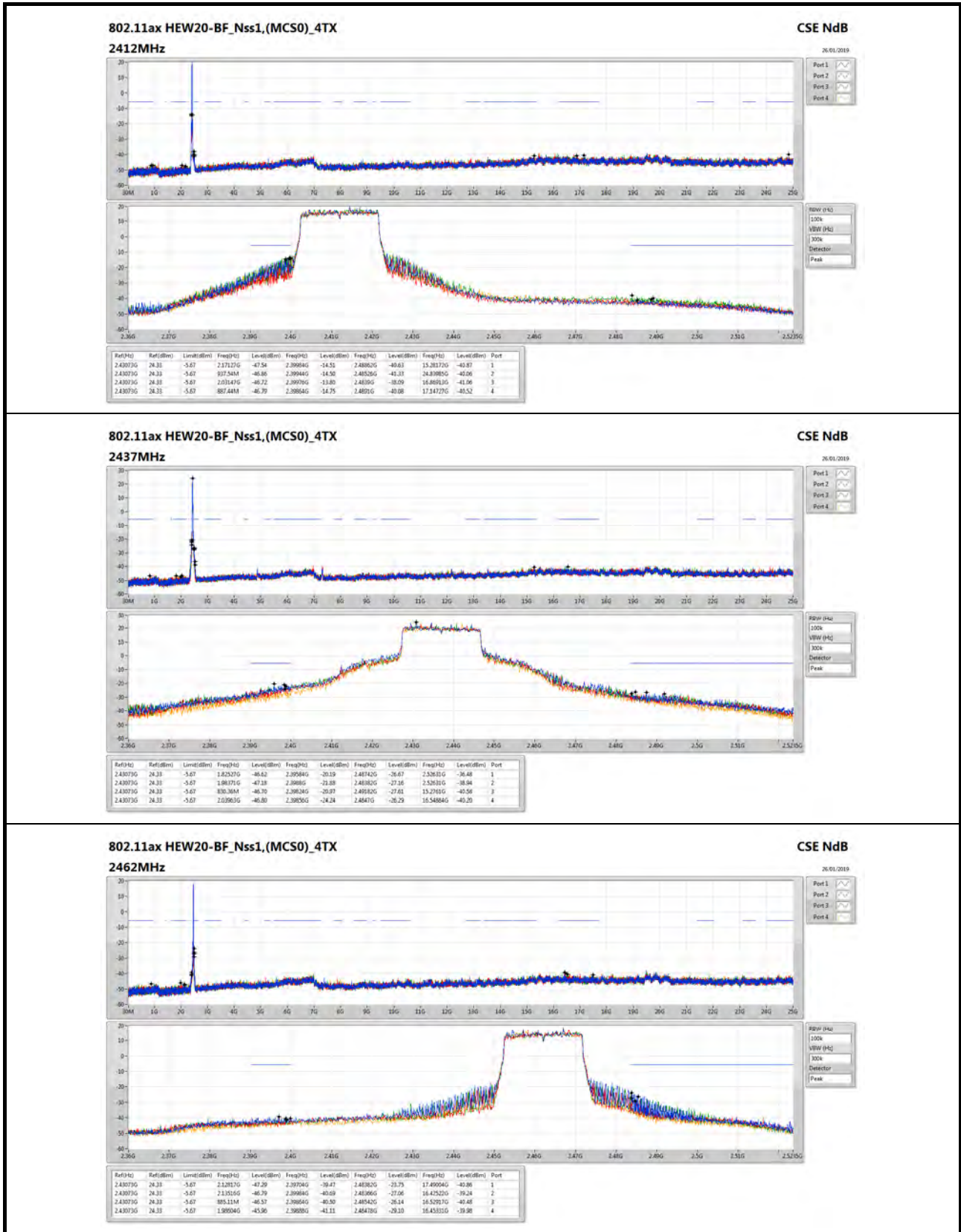
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	24.33	-5.67	2.17127G	-47.54	2.39984G	-14.51	2.48862G	-40.63	15.28172G	-40.87	1
2412MHz	Pass	2.43073G	24.33	-5.67	937.54M	-46.86	2.39944G	-14.50	2.48526G	-41.33	24.83985G	-40.06	2
2412MHz	Pass	2.43073G	24.33	-5.67	2.03147G	-46.72	2.39976G	-13.80	2.4839G	-38.09	16.86913G	-41.06	3
2412MHz	Pass	2.43073G	24.33	-5.67	887.44M	-46.79	2.39864G	-14.75	2.4891G	-40.08	17.14727G	-40.52	4
2437MHz	Pass	2.43073G	24.33	-5.67	1.82527G	-46.62	2.39584G	-20.19	2.48742G	-26.67	2.52631G	-36.48	1
2437MHz	Pass	2.43073G	24.33	-5.67	1.98371G	-47.18	2.3988G	-21.88	2.48382G	-27.16	2.52631G	-38.94	2
2437MHz	Pass	2.43073G	24.33	-5.67	830.36M	-46.70	2.39824G	-20.97	2.49182G	-27.61	15.2761G	-40.58	3
2437MHz	Pass	2.43073G	24.33	-5.67	2.03963G	-46.80	2.39856G	-24.24	2.4847G	-26.29	16.54884G	-40.20	4
2462MHz	Pass	2.43073G	24.33	-5.67	2.12817G	-47.29	2.39704G	-39.47	2.48382G	-23.75	17.49004G	-40.86	1
2462MHz	Pass	2.43073G	24.33	-5.67	2.13516G	-46.79	2.39984G	-40.69	2.48366G	-27.06	16.42522G	-39.24	2
2462MHz	Pass	2.43073G	24.33	-5.67	885.11M	-46.57	2.39864G	-40.50	2.48542G	-26.14	16.52917G	-40.48	3
2462MHz	Pass	2.43073G	24.33	-5.67	1.98604G	-45.96	2.39888G	-41.11	2.48478G	-29.10	16.45331G	-39.98	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44192G	16.17	-13.83	1.91582G	-47.19	2.39712G	-24.66	2.48606G	-37.91	15.30182G	-40.18	1
2422MHz	Pass	2.44192G	16.17	-13.83	2.08642G	-46.20	2.39472G	-30.44	2.49198G	-39.31	14.50813G	-40.78	2
2422MHz	Pass	2.44192G	16.17	-13.83	2.1597G	-47.20	2.39504G	-27.30	2.4867G	-36.79	16.86677G	-40.75	3
2422MHz	Pass	2.44192G	16.17	-13.83	949.44M	-46.57	2.3984G	-30.59	2.48718G	-39.56	15.25415G	-39.90	4
2437MHz	Pass	2.44192G	16.17	-13.83	1.78758G	-47.45	2.3984G	-30.31	2.48382G	-36.42	21.46064G	-40.27	1
2437MHz	Pass	2.44192G	16.17	-13.83	1.8849G	-47.03	2.39872G	-32.34	2.48814G	-34.67	16.44608G	-40.55	2
2437MHz	Pass	2.44192G	16.17	-13.83	512.05M	-47.28	2.39952G	-30.20	2.4859G	-34.76	16.42926G	-39.25	3
2437MHz	Pass	2.44192G	16.17	-13.83	695.25M	-46.51	2.39872G	-34.38	2.48638G	-37.58	15.10831G	-40.00	4
2452MHz	Pass	2.44192G	16.17	-13.83	2.02345G	-47.18	2.39936G	-35.84	2.4859G	-26.69	16.43206G	-40.20	1
2452MHz	Pass	2.44192G	16.17	-13.83	958.6M	-47.46	2.39856G	-36.61	2.4859G	-27.52	17.06028G	-39.82	2
2452MHz	Pass	2.44192G	16.17	-13.83	1.80819G	-46.91	2.39408G	-37.52	2.4843G	-28.18	16.51059G	-40.46	3
2452MHz	Pass	2.44192G	16.17	-13.83	1.9994G	-46.50	2.3968G	-38.23	2.48398G	-31.60	24.88782G	-40.98	4



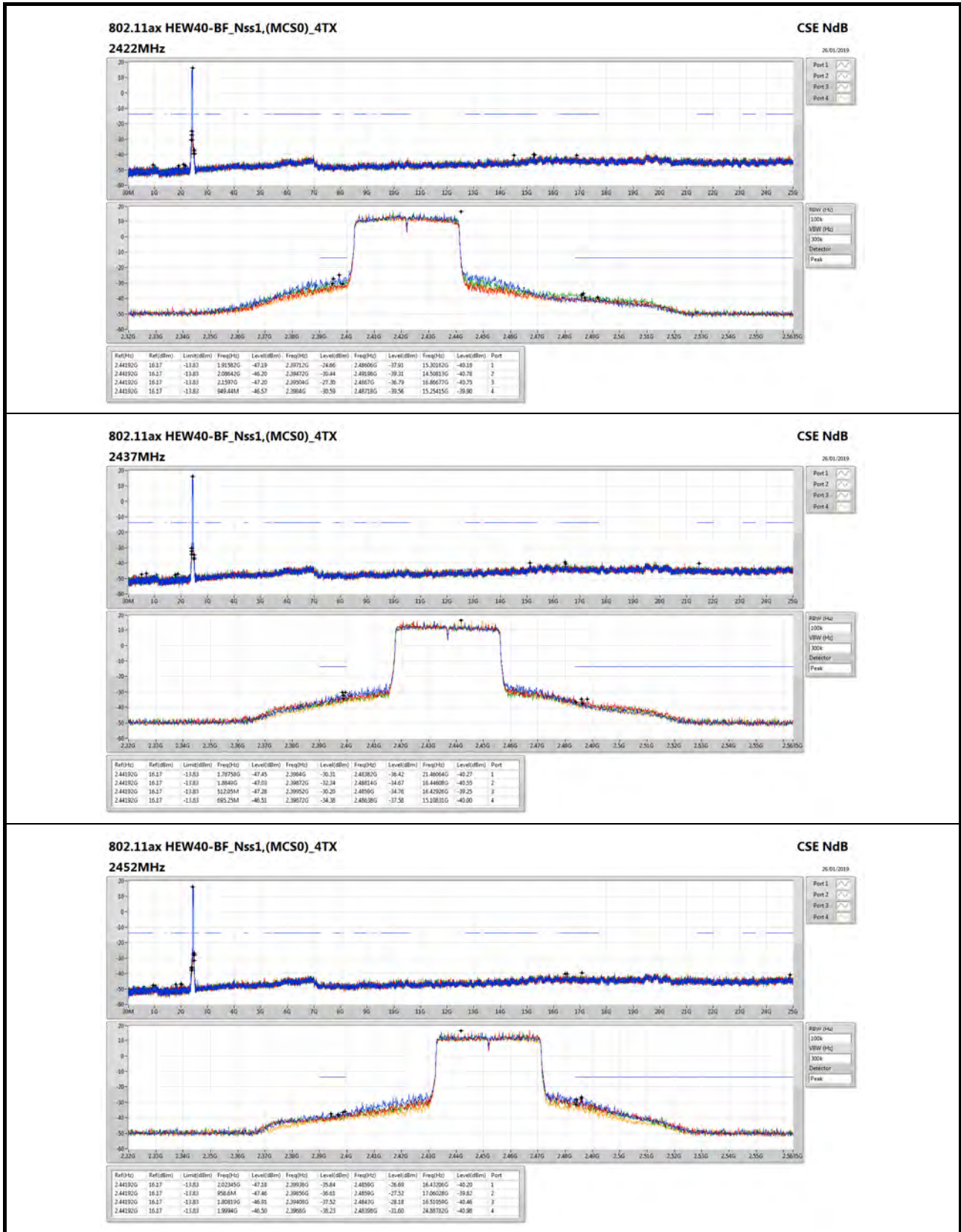
CSE Non-restricted Band Result

Appendix E.4





CSE Non-restricted Band Result





CSE Non-restricted Band Result

Appendix E.5

For Non-beamforming / 4T4S mode Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	Pass	2.43198G	-8.15	-28.15	759.58M	-58.51	2.39994G	-56.79	2.48794G	-57.76	15.10191G	-51.57	3
802.11ax HEW40_Nss4,(MCS0)_4TX	Pass	2.43198G	-15.77	-35.77	1.96219G	-59.28	2.39088G	-60.31	2.48702G	-57.40	24.50079G	-51.42	3

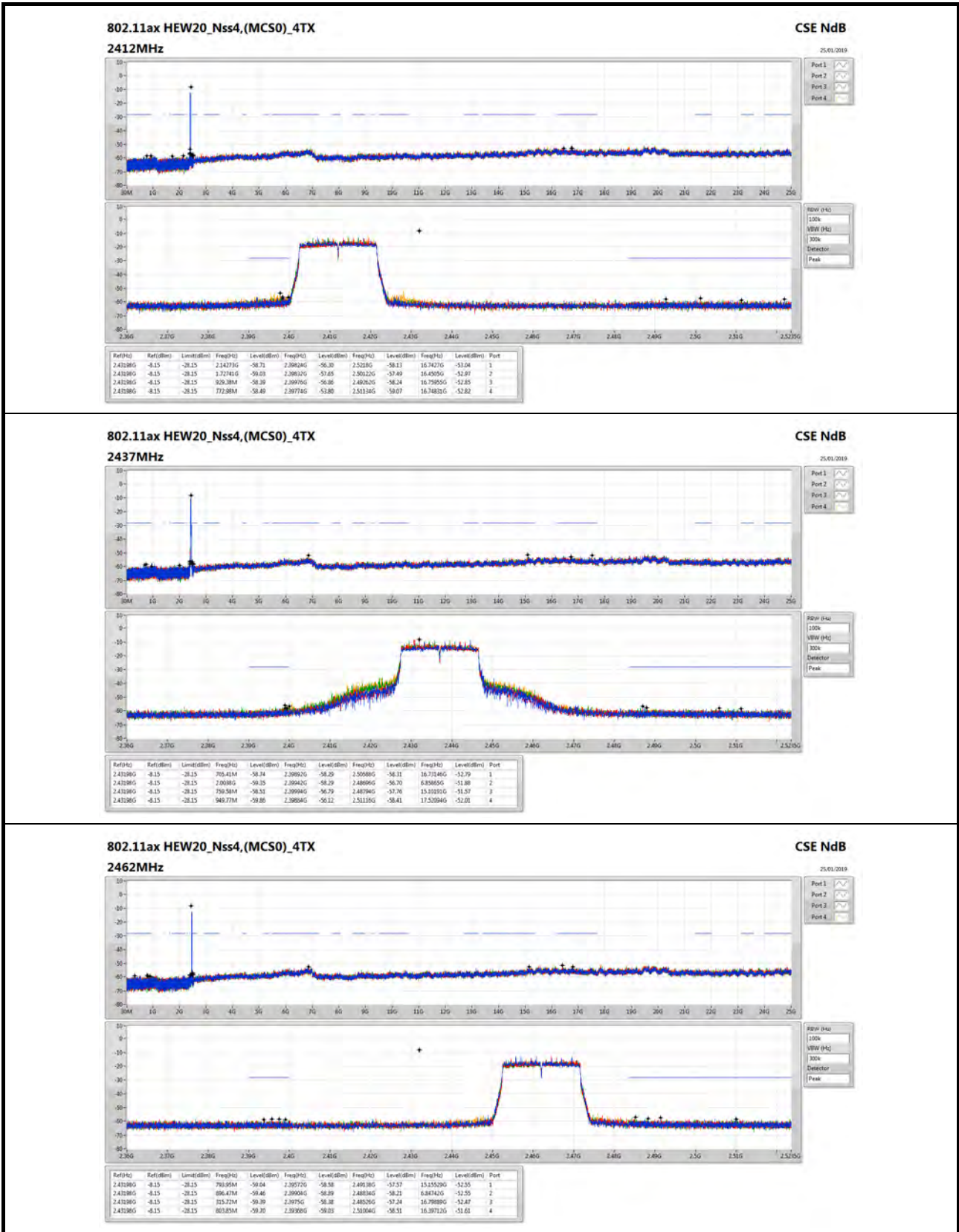
Result

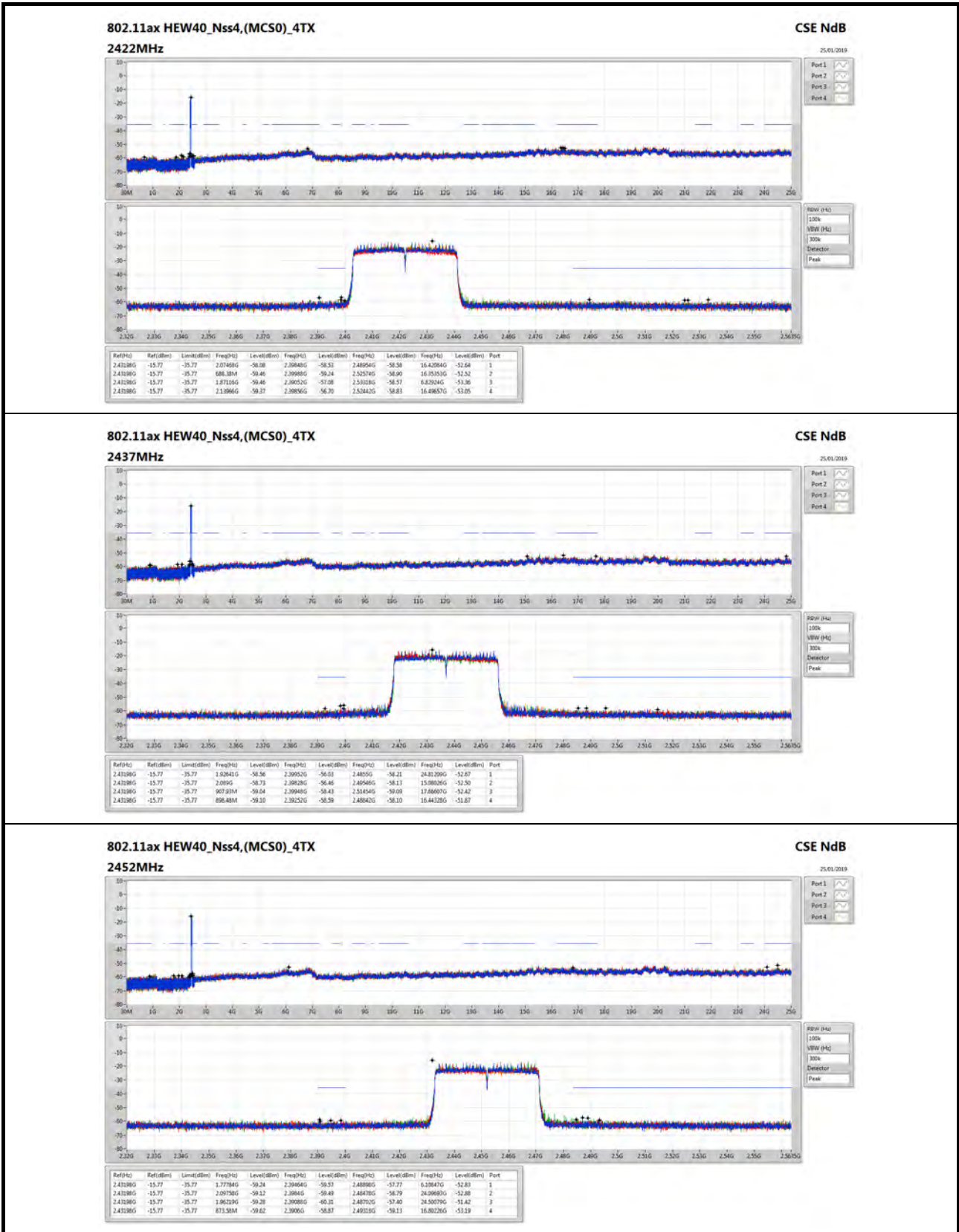
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	-8.15	-28.15	2.14273G	-58.71	2.39824G	-56.30	2.5218G	-58.13	16.7427G	-53.04	1
2412MHz	Pass	2.43198G	-8.15	-28.15	1.72741G	-59.03	2.39832G	-57.65	2.50122G	-57.49	16.4505G	-52.97	2
2412MHz	Pass	2.43198G	-8.15	-28.15	929.38M	-58.39	2.39976G	-56.86	2.49262G	-58.24	16.75955G	-52.85	3
2412MHz	Pass	2.43198G	-8.15	-28.15	772.98M	-58.49	2.39774G	-53.80	2.51134G	-59.07	16.74831G	-52.82	4
2437MHz	Pass	2.43198G	-8.15	-28.15	705.41M	-58.74	2.39892G	-58.29	2.50588G	-58.31	16.73146G	-52.79	1
2437MHz	Pass	2.43198G	-8.15	-28.15	2.0038G	-59.35	2.39942G	-58.29	2.48696G	-56.70	6.85865G	-51.88	2
2437MHz	Pass	2.43198G	-8.15	-28.15	759.58M	-58.51	2.39994G	-56.79	2.48794G	-57.76	15.10191G	-51.57	3
2437MHz	Pass	2.43198G	-8.15	-28.15	949.77M	-59.86	2.39884G	-56.12	2.51116G	-58.41	17.52094G	-52.01	4
2462MHz	Pass	2.43198G	-8.15	-28.15	793.95M	-59.04	2.39572G	-58.58	2.49138G	-57.57	15.15529G	-52.55	1
2462MHz	Pass	2.43198G	-8.15	-28.15	896.47M	-59.46	2.39904G	-58.89	2.48834G	-58.21	6.84742G	-52.55	2
2462MHz	Pass	2.43198G	-8.15	-28.15	315.72M	-59.39	2.3975G	-58.38	2.48526G	-57.24	16.79889G	-52.47	3
2462MHz	Pass	2.43198G	-8.15	-28.15	803.85M	-59.70	2.39368G	-59.03	2.51004G	-58.51	16.39712G	-51.61	4
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	-15.77	-35.77	2.07468G	-58.08	2.39848G	-58.53	2.48954G	-58.58	16.42084G	-52.64	1
2422MHz	Pass	2.43198G	-15.77	-35.77	688.38M	-59.46	2.39988G	-59.24	2.52574G	-58.90	16.35353G	-52.52	2
2422MHz	Pass	2.43198G	-15.77	-35.77	1.87116G	-59.46	2.39052G	-57.08	2.53318G	-58.57	6.82924G	-53.36	3
2422MHz	Pass	2.43198G	-15.77	-35.77	2.13966G	-59.37	2.39856G	-56.70	2.52442G	-58.83	16.49657G	-53.05	4
2437MHz	Pass	2.43198G	-15.77	-35.77	1.92641G	-58.56	2.39952G	-56.03	2.4855G	-58.21	24.81209G	-52.67	1
2437MHz	Pass	2.43198G	-15.77	-35.77	2.089G	-58.73	2.39828G	-56.46	2.49546G	-58.13	15.08026G	-52.50	2
2437MHz	Pass	2.43198G	-15.77	-35.77	907.93M	-59.04	2.39948G	-58.43	2.51454G	-59.09	17.66607G	-52.42	3
2437MHz	Pass	2.43198G	-15.77	-35.77	898.48M	-59.10	2.39252G	-58.59	2.48842G	-58.10	16.44328G	-51.87	4
2452MHz	Pass	2.43198G	-15.77	-35.77	1.77784G	-59.24	2.39464G	-59.57	2.48898G	-57.77	6.10847G	-52.83	1
2452MHz	Pass	2.43198G	-15.77	-35.77	2.09758G	-59.12	2.3984G	-59.49	2.48478G	-58.79	24.09693G	-52.88	2
2452MHz	Pass	2.43198G	-15.77	-35.77	1.96219G	-59.28	2.39088G	-60.31	2.48702G	-57.40	24.50079G	-51.42	3
2452MHz	Pass	2.43198G	-15.77	-35.77	873.58M	-59.62	2.3906G	-58.87	2.49318G	-59.13	16.80226G	-53.19	4



CSE Non-restricted Band Result

Appendix E.5







CSE Non-restricted Band Result

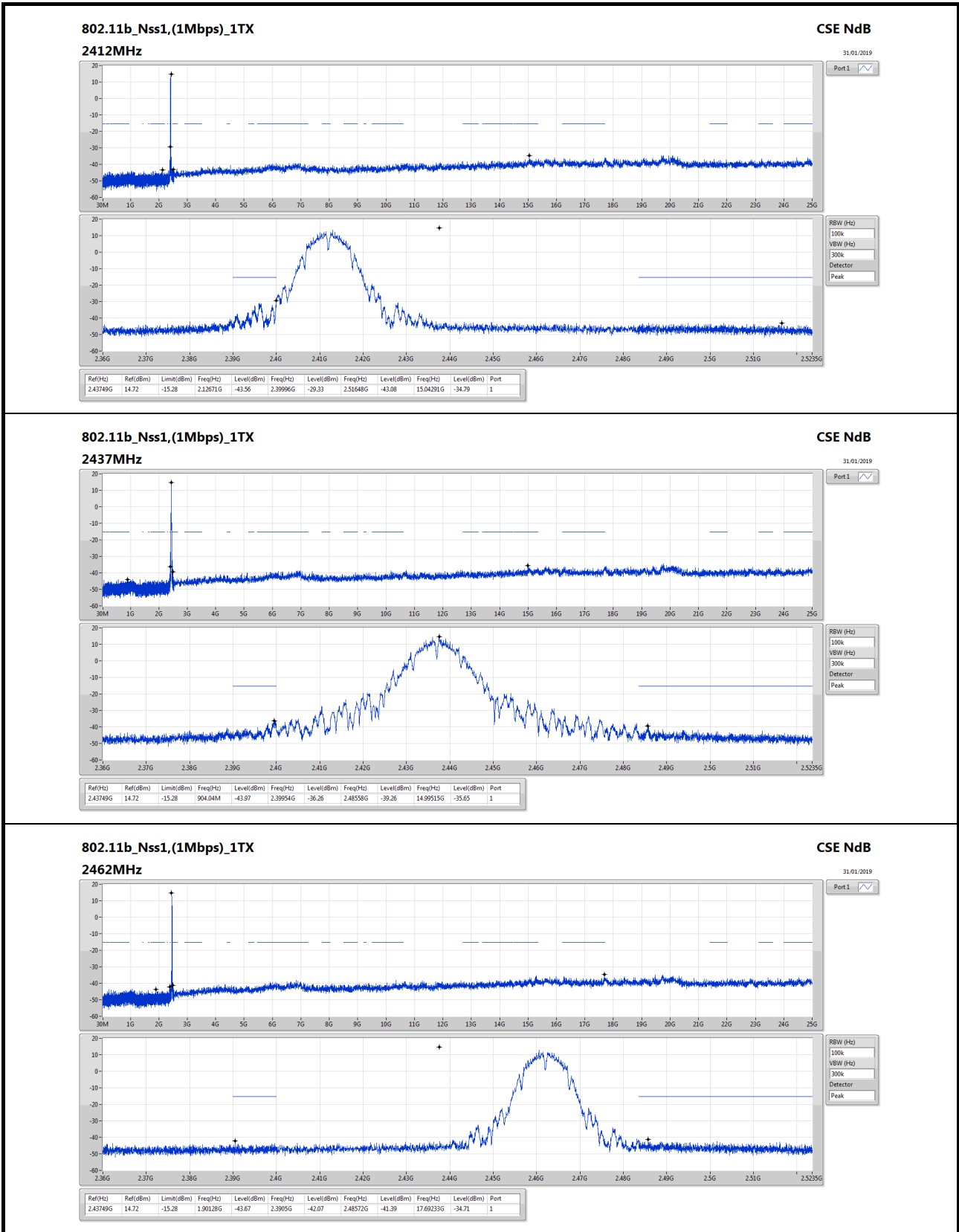
Appendix E.6

**For Mode 2: (Ant. 7 Omni antenna / 4 dBi)
For Non-beamforming / 1T1S mode
Summary**

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43749G	14.72	-15.28	2.12671G	-43.56	2.39996G	-29.33	2.51648G	-43.08	15.04291G	-34.79	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43449G	9.18	-20.82	1.72857G	-42.48	2.39984G	-27.41	2.48556G	-43.44	24.80895G	-35.78	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.4357G	7.40	-22.60	2.16253G	-43.06	2.39918G	-28.64	2.49224G	-43.17	17.69795G	-35.93	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.43198G	2.66	-27.34	558.7M	-44.64	2.3948G	-31.19	2.52626G	-43.49	23.47993G	-35.93	1

Result

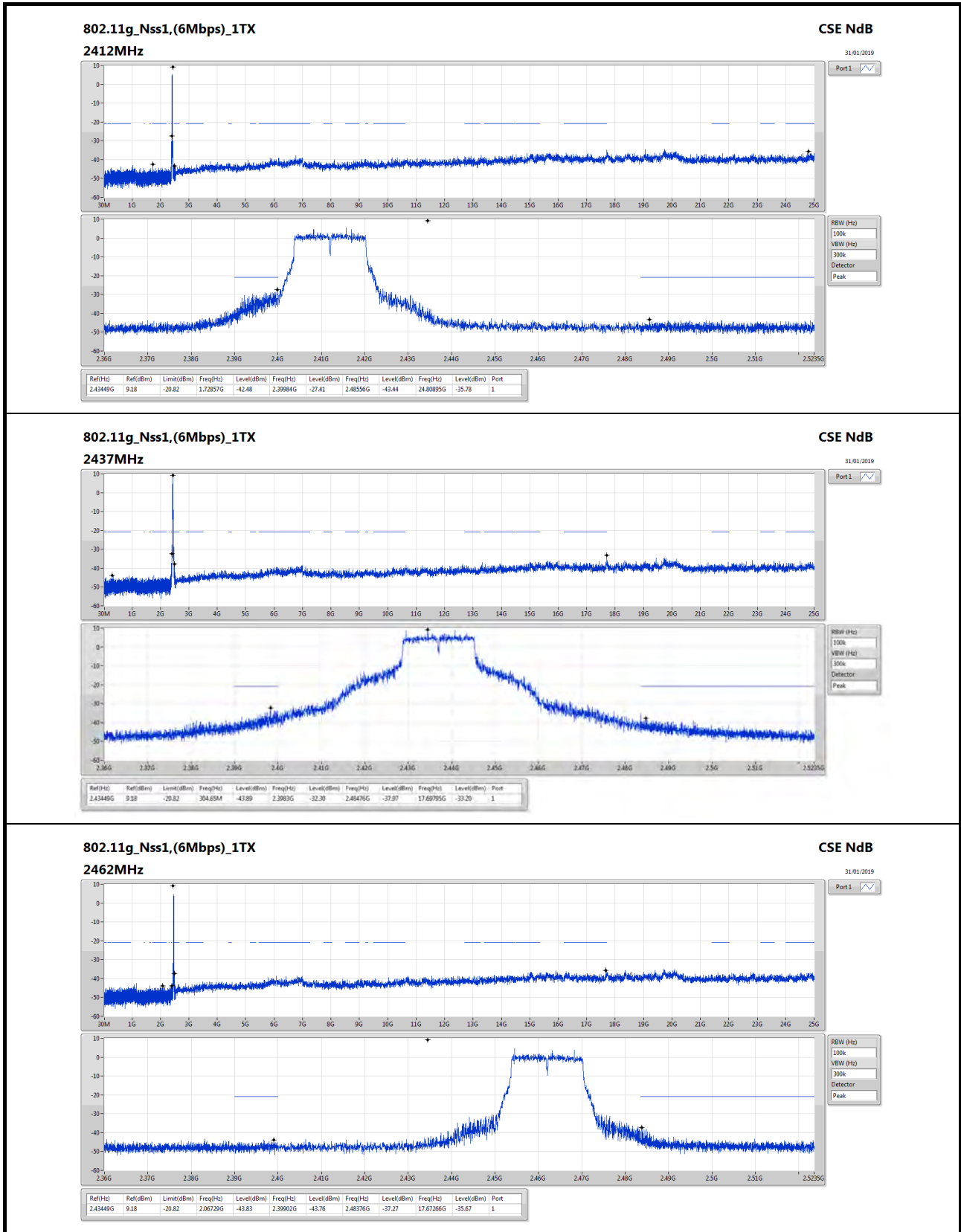
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43749G	14.72	-15.28	2.12671G	-43.56	2.39996G	-29.33	2.51648G	-43.08	15.04291G	-34.79	1
2437MHz	Pass	2.43749G	14.72	-15.28	904.04M	-43.97	2.39954G	-36.26	2.48558G	-39.26	14.99515G	-35.65	1
2462MHz	Pass	2.43749G	14.72	-15.28	1.90128G	-43.67	2.3905G	-42.07	2.48572G	-41.39	17.69233G	-34.71	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43449G	9.18	-20.82	1.72857G	-42.48	2.39984G	-27.41	2.48556G	-43.44	24.80895G	-35.78	1
2437MHz	Pass	2.43449G	9.18	-20.82	304.65M	-43.89	2.3983G	-32.30	2.48476G	-37.97	17.69795G	-33.20	1
2462MHz	Pass	2.43449G	9.18	-20.82	2.06729G	-43.83	2.39902G	-43.76	2.48376G	-37.27	17.67266G	-35.67	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4357G	7.40	-22.60	2.16253G	-43.06	2.39918G	-28.64	2.49224G	-43.17	17.69795G	-35.93	1
2437MHz	Pass	2.4357G	7.40	-22.60	1.74372G	-43.51	2.3988G	-33.91	2.48848G	-37.54	15.05134G	-36.45	1
2462MHz	Pass	2.4357G	7.40	-22.60	866.76M	-43.88	2.39026G	-43.43	2.48364G	-38.03	24.48585G	-35.11	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	2.66	-27.34	558.7M	-44.64	2.3948G	-31.19	2.52626G	-43.49	23.47993G	-35.93	1
2437MHz	Pass	2.43198G	2.66	-27.34	851.25M	-43.57	2.39952G	-32.95	2.4873G	-39.98	24.90184G	-35.46	1
2452MHz	Pass	2.43198G	2.66	-27.34	1.84483G	-43.24	2.39576G	-42.86	2.48414G	-35.20	13.8154G	-35.64	1





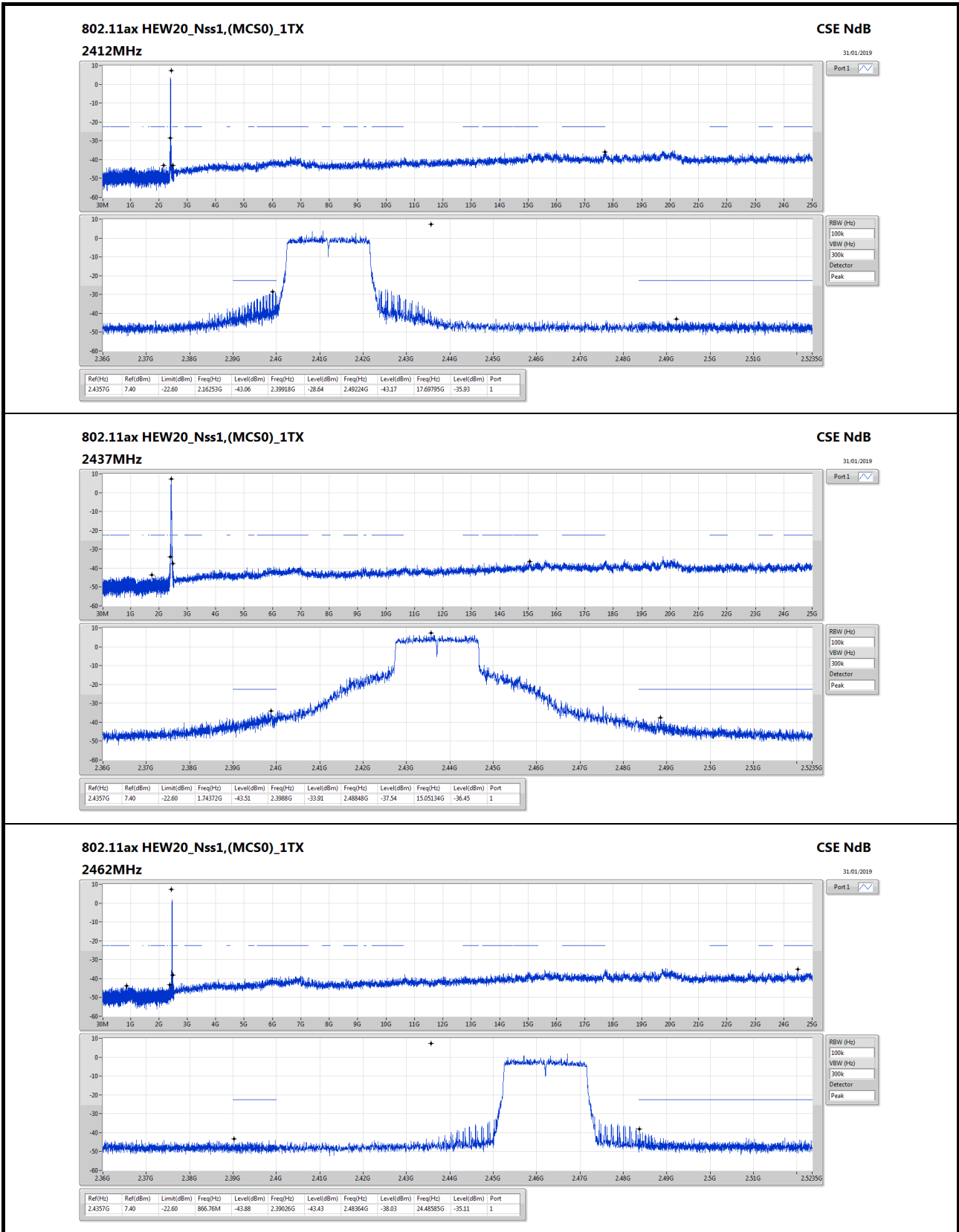
CSE Non-restricted Band Result

Appendix E.6





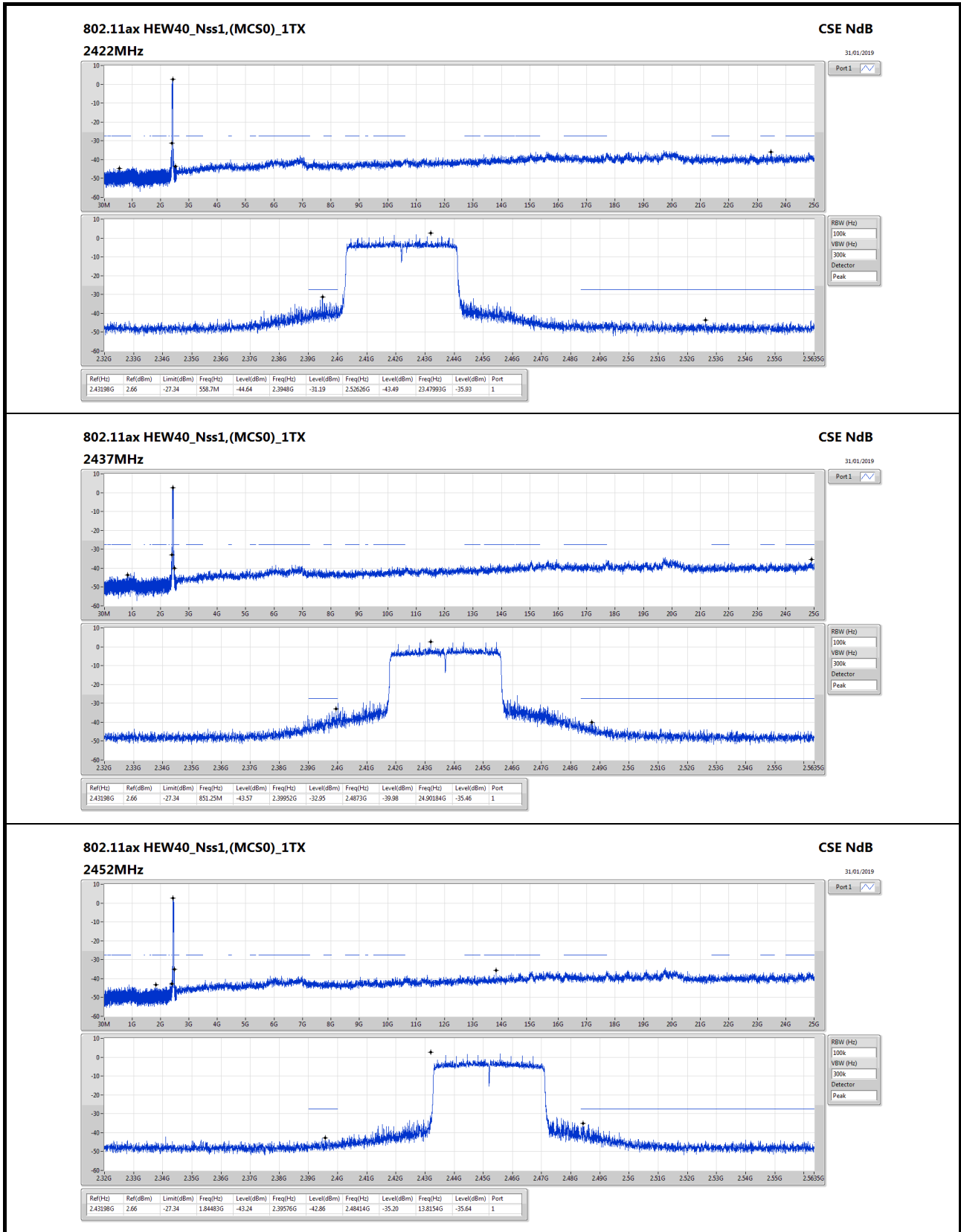
CSE Non-restricted Band Result





CSE Non-restricted Band Result

Appendix E.6


802.11ax HEW40_Nss1,(MCS0)_1TX
CSE NdB

31.01.2019

Port 1

2452MHz

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
243198G	2.66	-27.34	1.84483G	-43.24	2.39576G	-42.86	2.48414G	-35.20	13.8154G	-35.64	1

RBW (Hz)	VBW (Hz)	Detector	Peak
100k	300k	Detector	Peak



CSE Non-restricted Band Result

Appendix E.7

For Non-beamforming / 2T2S mode Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.43198G	8.74	-21.26	857.15M	-43.57	2.39898G	-33.19	2.49236G	-43.40	16.29878G	-35.68	2
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.42196G	2.48	-27.52	2.15884G	-43.35	2.39952G	-36.12	2.4841G	-41.87	14.55861G	-35.31	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	8.74	-21.26	2.187G	-43.36	2.39892G	-36.71	2.50104G	-43.00	15.05977G	-35.76	1
2412MHz	Pass	2.43198G	8.74	-21.26	857.15M	-43.57	2.39898G	-33.19	2.49236G	-43.40	16.29878G	-35.68	2
2437MHz	Pass	2.43198G	8.74	-21.26	1.97584G	-42.83	2.39842G	-36.16	2.48608G	-40.65	16.44488G	-35.86	1
2437MHz	Pass	2.43198G	8.74	-21.26	738.9M	-43.14	2.39882G	-33.92	2.48448G	-39.81	16.2454G	-35.93	2
2462MHz	Pass	2.43198G	8.74	-21.26	2.19253G	-43.92	2.39492G	-43.30	2.50782G	-42.25	17.69795G	-35.73	1
2462MHz	Pass	2.43198G	8.74	-21.26	2.30787G	-43.51	2.39674G	-43.44	2.48388G	-39.05	24.83705G	-35.97	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42196G	2.48	-27.52	1.90351G	-43.72	2.39628G	-36.87	2.48682G	-42.53	17.69972G	-35.73	1
2422MHz	Pass	2.42196G	2.48	-27.52	956.59M	-43.21	2.3972G	-35.56	2.48578G	-43.40	24.88221G	-36.29	2
2437MHz	Pass	2.42196G	2.48	-27.52	387.24M	-43.16	2.39952G	-36.91	2.4851G	-40.94	16.67045G	-35.78	1
2437MHz	Pass	2.42196G	2.48	-27.52	2.15884G	-43.35	2.39952G	-36.12	2.4841G	-41.87	14.55861G	-35.31	2
2452MHz	Pass	2.42196G	2.48	-27.52	212.63M	-43.07	2.39172G	-42.99	2.48822G	-37.92	23.43505G	-35.90	1
2452MHz	Pass	2.42196G	2.48	-27.52	471.97M	-43.92	2.39348G	-43.19	2.48762G	-36.76	16.94249G	-35.49	2