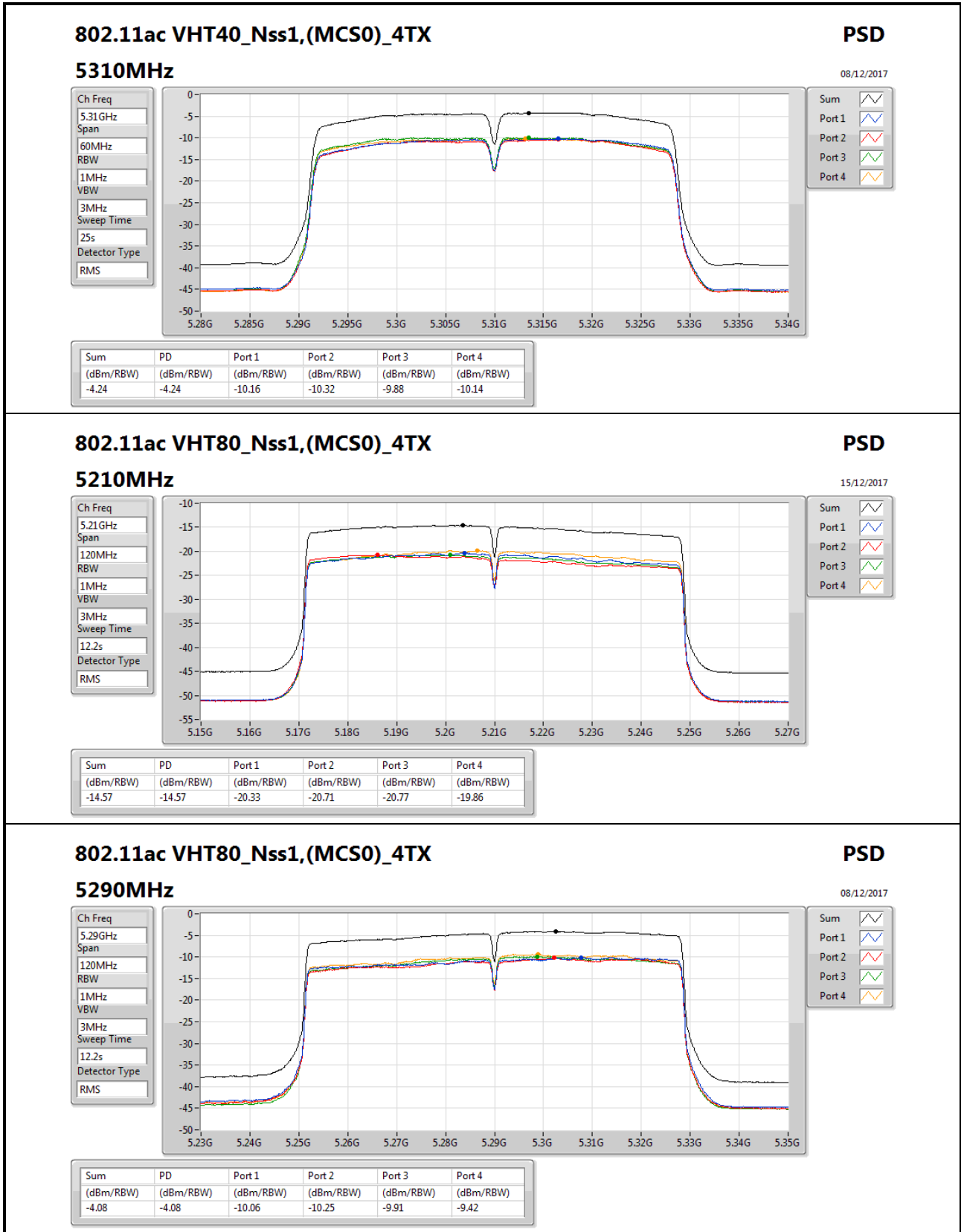




PSD Result (Antenna Gain 15 dBi)
Non-Beamforming_Outdoor Master



802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz

PSD

08/12/2017

Ch Freq: 5.29GHz

Span: 120MHz

RBW: 1MHz

VBW: 3MHz

Sweep Time: 12.2s

Detector Type: RMS

Sum:

Port 1:

Port 2:

Port 3:

Port 4:

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.08	-4.08	-10.06	-10.25	-9.91	-9.42



PSD Result (Antenna Gain 10 dBi)
Beamforming_Client

Appendix D.5

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	0.40	16.42
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-2.04	13.98
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-5.76	10.26
5.25-5.35GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	0.44	16.46
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-2.34	13.68
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-5.11	10.91

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



**PSD Result (Antenna Gain 10 dBi)
Beamforming_Client**

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	16.02	-5.23	-4.89	-6.79	-4.21	0.36	0.98	16.38	17.00
5200MHz_TnomVnom	Pass	16.02	-5.15	-4.59	-6.65	-4.34	0.40	0.98	16.42	17.00
5240MHz_TnomVnom	Pass	16.02	-5.71	-4.98	-6.38	-5.35	-0.05	0.98	15.97	17.00
5260MHz_TnomVnom	Pass	16.02	-5.96	-5.08	-6.46	-5.21	-0.17	0.98	15.85	17.00
5300MHz_TnomVnom	Pass	16.02	-5.50	-4.77	-6.01	-4.45	0.44	0.98	16.46	17.00
5320MHz_TnomVnom	Pass	16.02	-5.69	-4.99	-7.15	-5.62	-0.19	0.98	15.83	17.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	16.02	-6.78	-7.02	-8.99	-6.41	-2.04	0.98	13.98	17.00
5230MHz_TnomVnom	Pass	16.02	-7.27	-7.54	-9.39	-6.90	-2.56	0.98	13.46	17.00
5270MHz_TnomVnom	Pass	16.02	-7.58	-7.30	-9.33	-6.63	-2.34	0.98	13.68	17.00
5310MHz_TnomVnom	Pass	16.02	-6.92	-7.58	-9.52	-8.04	-2.55	0.98	13.47	17.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	16.02	-11.07	-10.80	-13.31	-10.57	-5.76	0.98	10.26	17.00
5290MHz_TnomVnom	Pass	16.02	-10.05	-10.60	-11.87	-10.40	-5.11	0.98	10.91	17.00

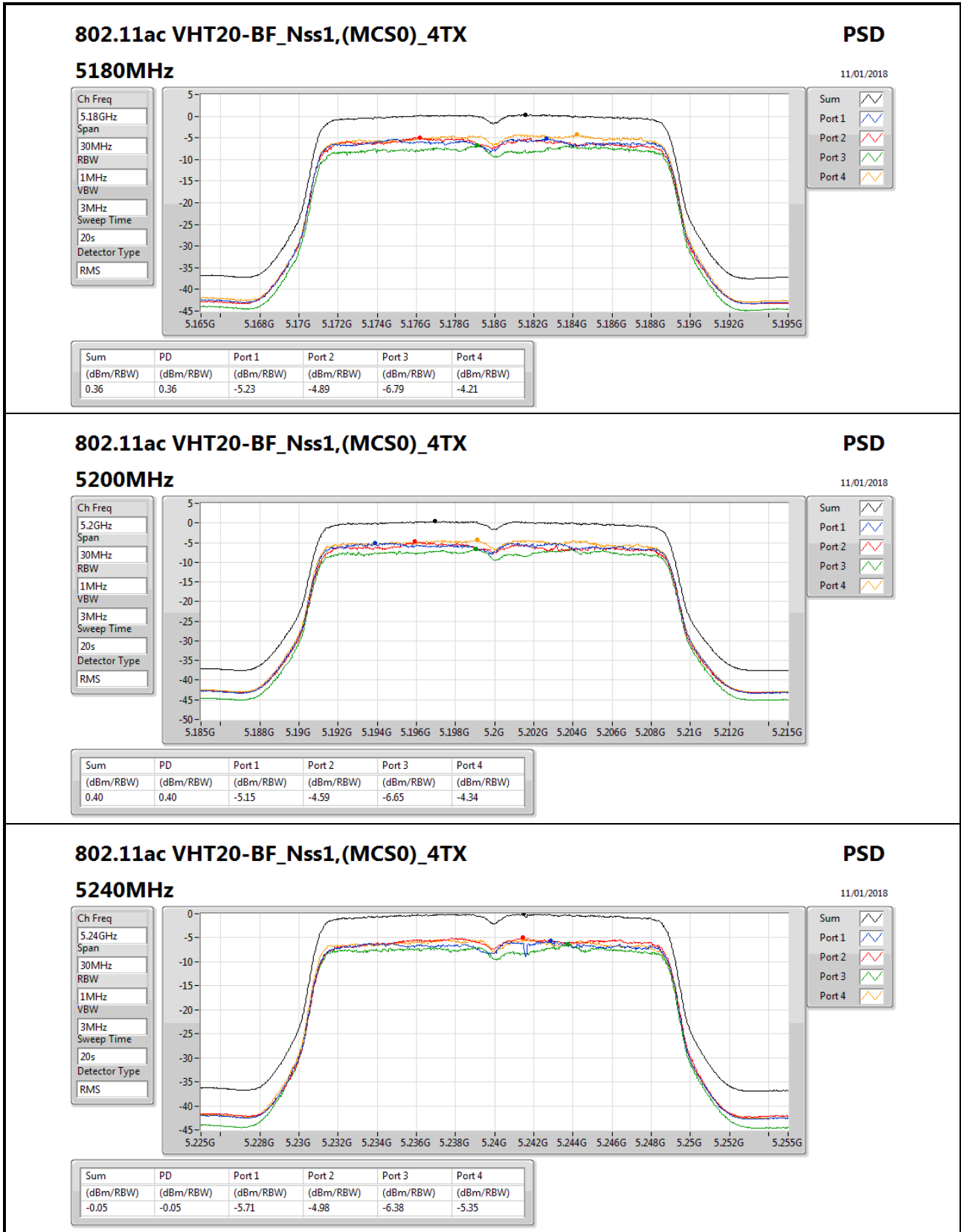
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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



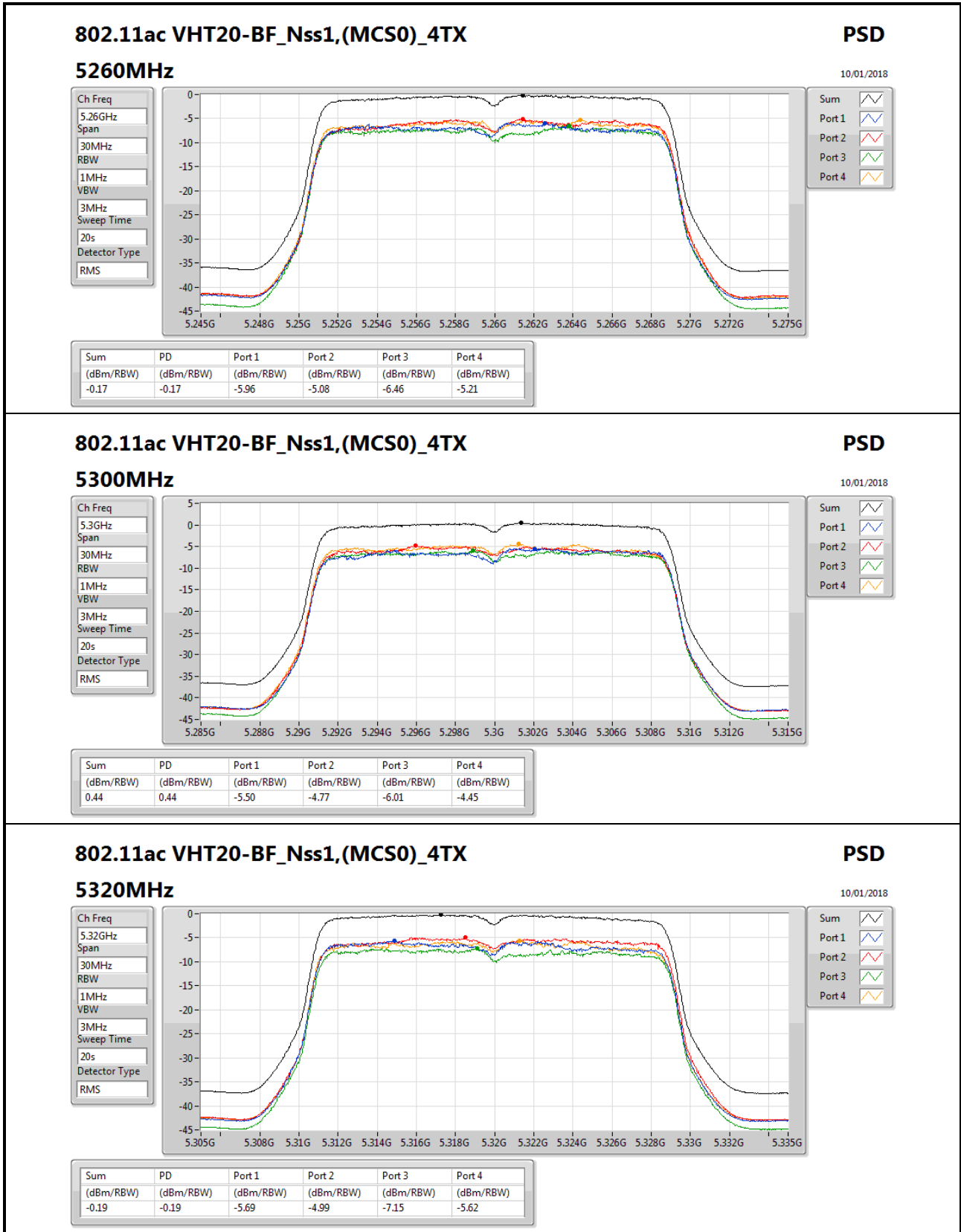
PSD Result (Antenna Gain 10 dBi)
Beamforming_Client

Appendix D.5



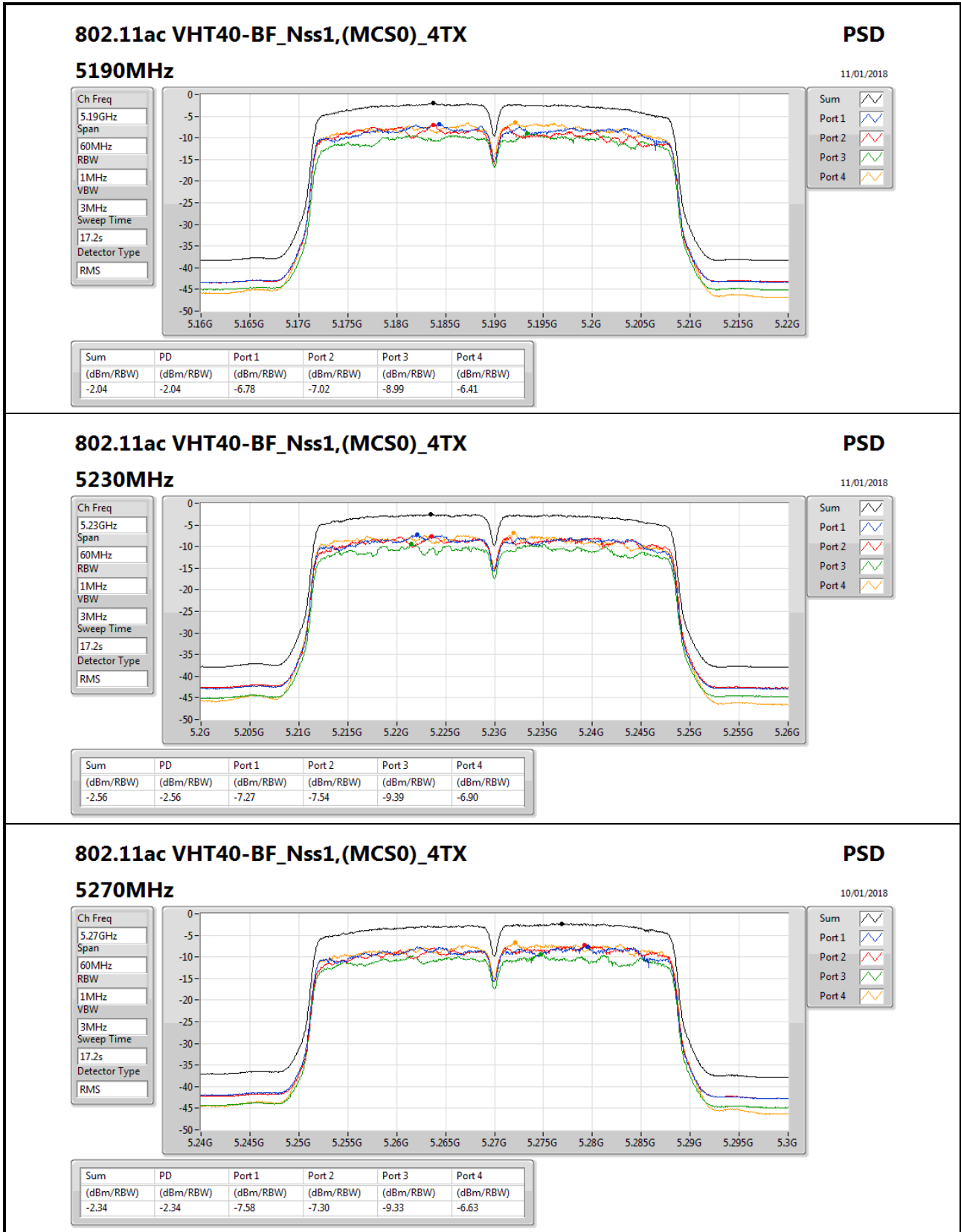


PSD Result (Antenna Gain 10 dBi)
Beamforming_Client





PSD Result (Antenna Gain 10 dBi)
Beamforming_Client



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5270MHz

PSD

10/01/2018

Ch Freq: 5.27GHz

Span: 60MHz

RBW: 1MHz

VBW: 3MHz

Sweep Time: 17.2s

Detector Type: RMS

Sum:

Port 1:

Port 2:

Port 3:

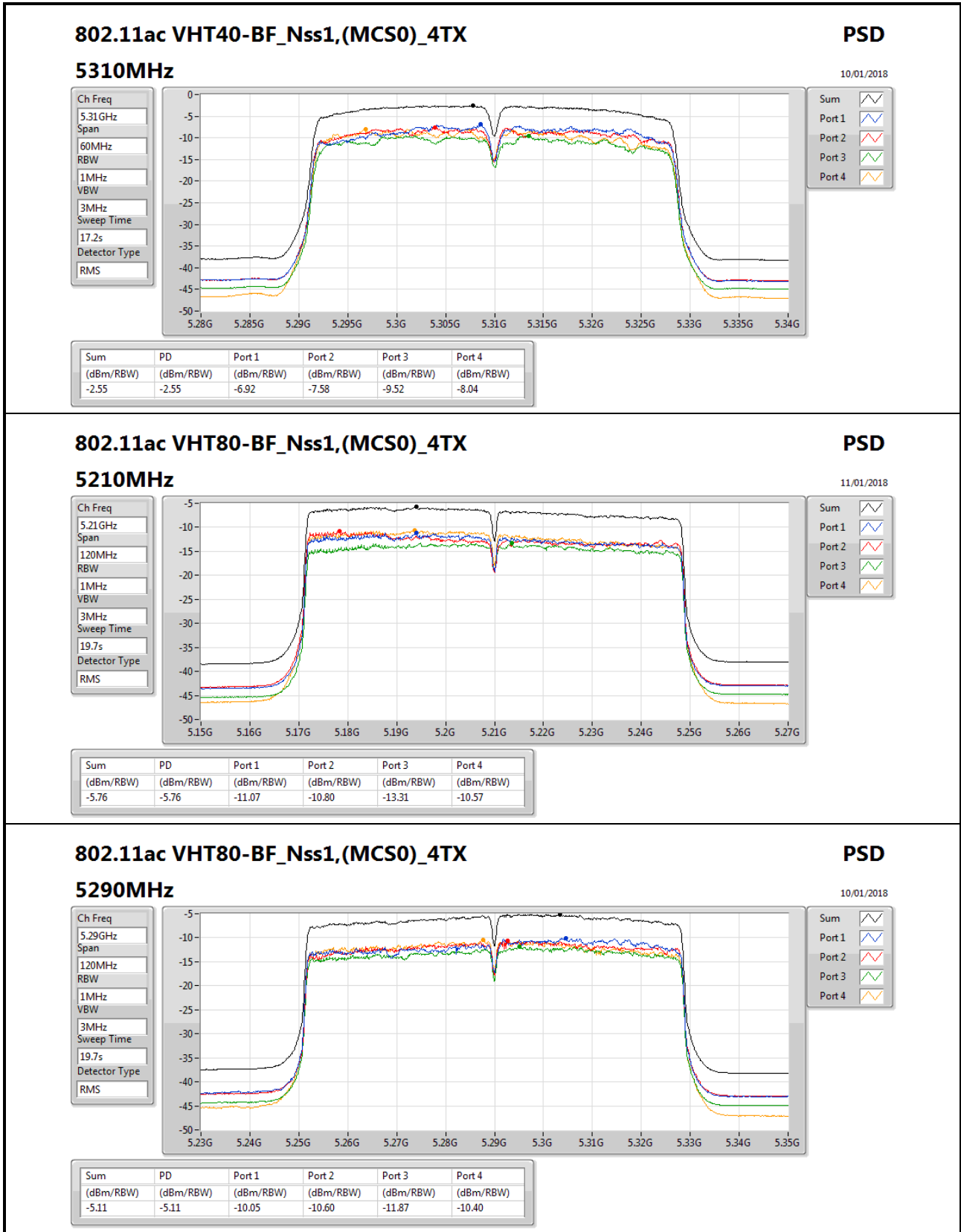
Port 4:

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.34	-2.34	-7.58	-7.30	-9.33	-6.63



PSD Result (Antenna Gain 10 dBi)
Beamforming_Client

Appendix D.5





PSD Result (Antenna Gain 10 dBi)
Beamforming_Indoor Master

Appendix D.6

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	6.62	22.64
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	3.86	19.88
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	0.38	16.40
5.25-5.35GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	0.44	16.46
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-2.34	13.68
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-5.11	10.91

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



PSD Result (Antenna Gain 10 dBi)
Beamforming_Indoor Master

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	16.02	0.68	2.43	-0.98	1.37	6.62	6.98	22.64	23.00
5200MHz_TnomVnom	Pass	16.02	0.93	0.73	-0.78	1.20	6.25	6.98	22.27	23.00
5240MHz_TnomVnom	Pass	16.02	0.57	1.08	-0.21	0.63	5.92	6.98	21.94	23.00
5260MHz_TnomVnom	Pass	16.02	-5.96	-5.08	-6.46	-5.21	-0.17	0.98	15.85	17.00
5300MHz_TnomVnom	Pass	16.02	-5.50	-4.77	-6.01	-4.45	0.44	0.98	16.46	17.00
5320MHz_TnomVnom	Pass	16.02	-5.69	-4.99	-7.15	-5.62	-0.19	0.98	15.83	17.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	16.02	-0.65	-1.21	-3.09	-1.15	3.86	6.98	19.88	23.00
5230MHz_TnomVnom	Pass	16.02	-1.43	-1.92	-4.05	-2.50	2.94	6.98	18.96	23.00
5270MHz_TnomVnom	Pass	16.02	-7.58	-7.30	-9.33	-6.63	-2.34	0.98	13.68	17.00
5310MHz_TnomVnom	Pass	16.02	-6.92	-7.58	-9.52	-8.04	-2.55	0.98	13.47	17.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	16.02	-5.23	-3.95	-6.05	-4.63	0.38	6.98	16.40	23.00
5290MHz_TnomVnom	Pass	16.02	-10.05	-10.60	-11.87	-10.40	-5.11	0.98	10.91	17.00

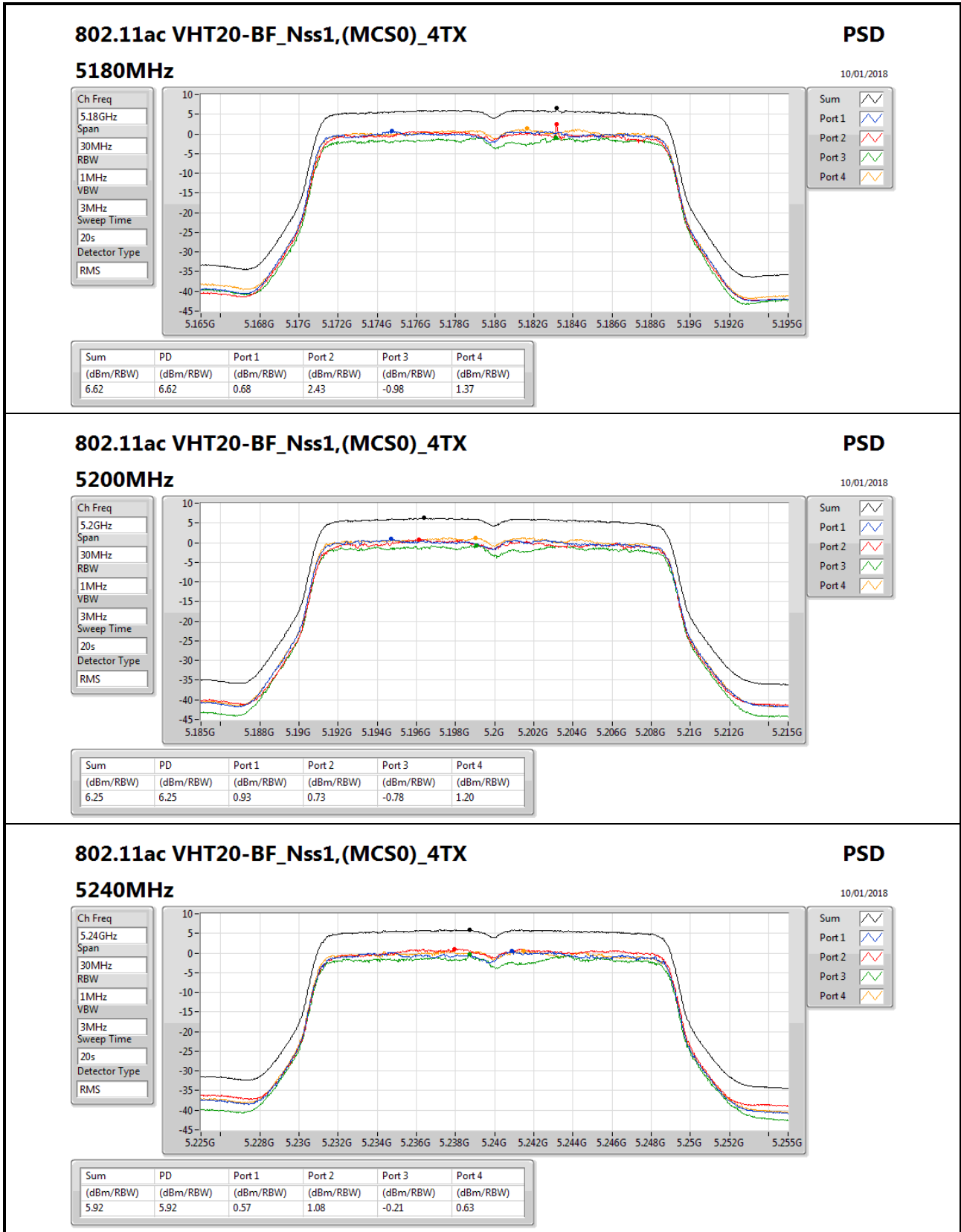
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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



PSD Result (Antenna Gain 10 dBi)
Beamforming_Indoor Master

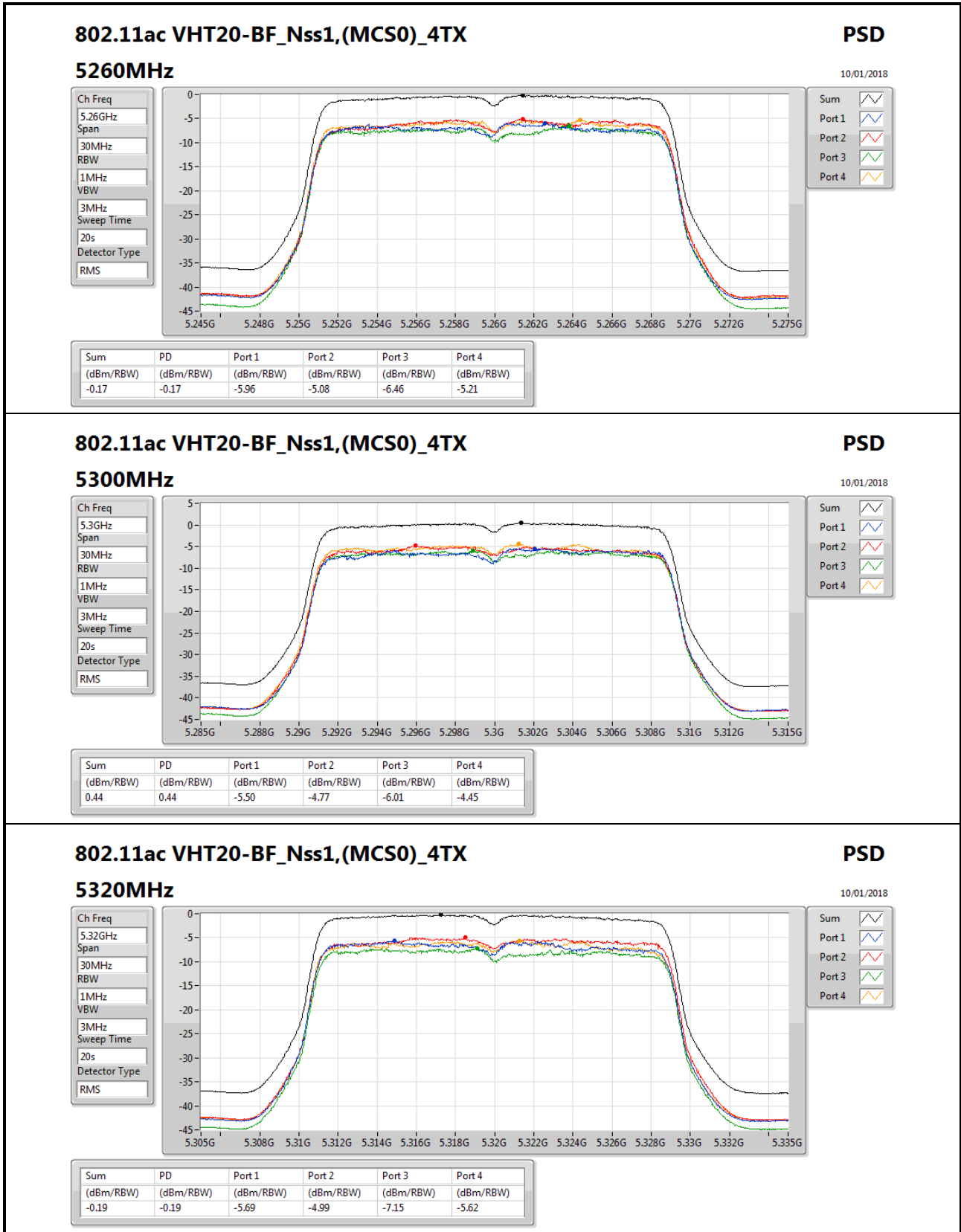
Appendix D.6





PSD Result (Antenna Gain 10 dBi)
Beamforming_Indoor Master

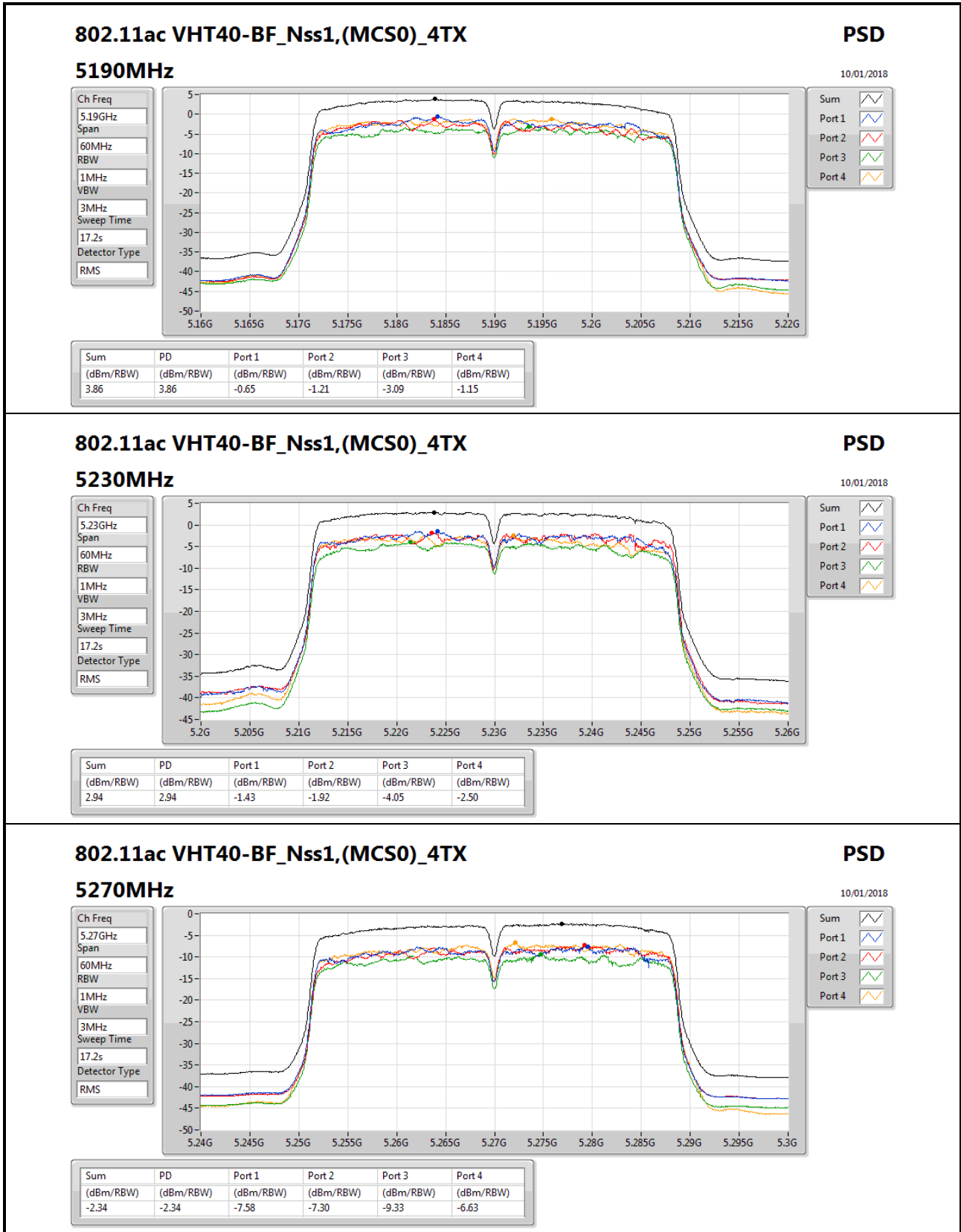
Appendix D.6





PSD Result (Antenna Gain 10 dBi)
Beamforming_Indoor Master

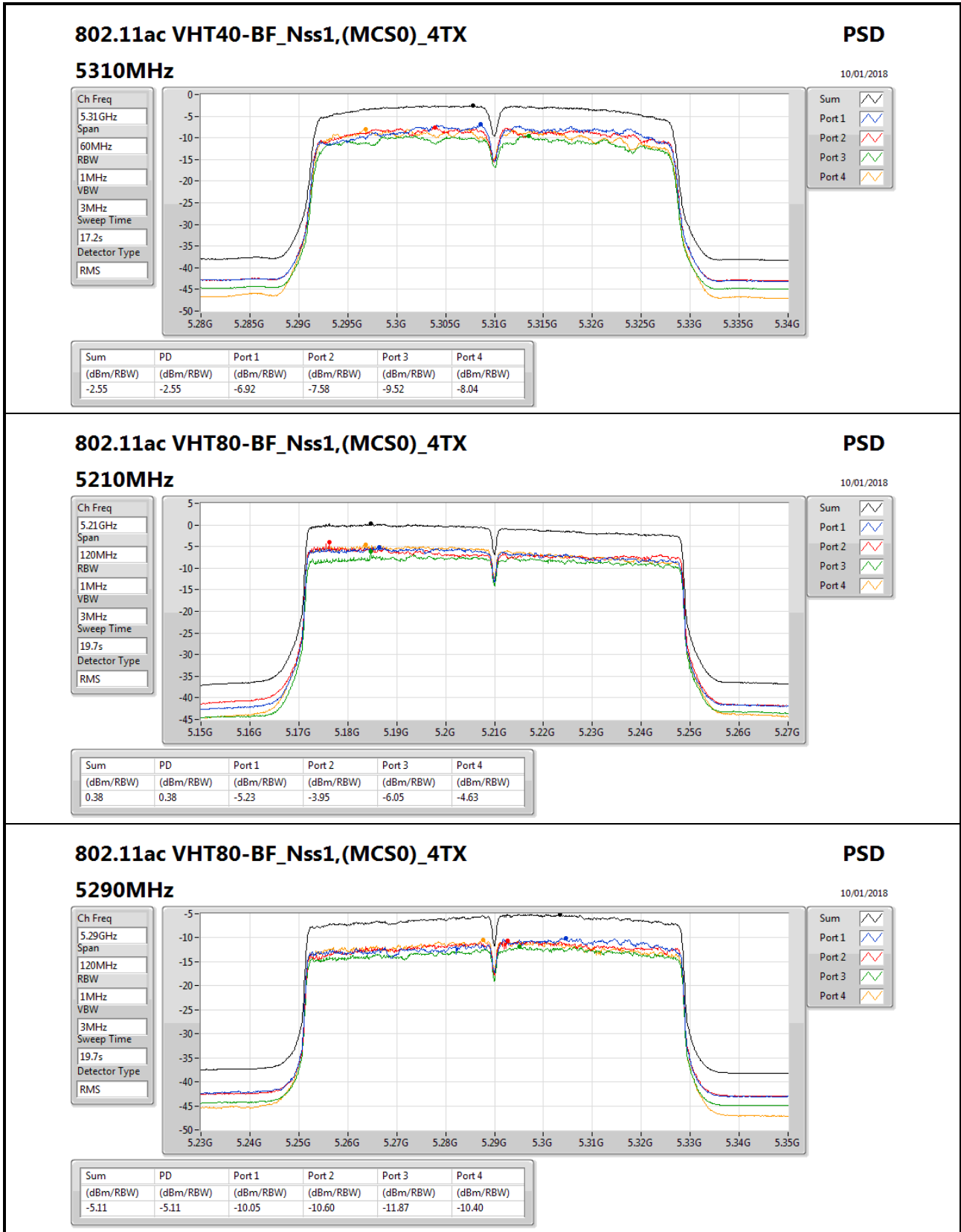
Appendix D.6





PSD Result (Antenna Gain 10 dBi)
Beamforming_Indoor Master

Appendix D.6



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5290MHz

PSD

10/01/2018

Ch Freq: 5.29GHz

Span: 120MHz

RBW: 1MHz

VBW: 3MHz

Sweep Time: 19.7s

Detector Type: RMS

Sum:

Port 1:

Port 2:

Port 3:

Port 4:

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.11	-5.11	-10.05	-10.60	-11.87	-10.40



PSD Result (Antenna Gain 10 dBi)
Beamforming_Outdoor Master

Appendix D.7

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-8.64	7.38
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-10.91	5.11
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-14.10	1.92
5.25-5.35GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	0.44	16.46
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-2.34	13.68
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-5.11	10.91

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



PSD Result (Antenna Gain 10 dBi)
Beamforming_Outdoor Master

Appendix D.7

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	16.02	-14.00	-13.92	-15.62	-13.22	-8.74	6.98	7.28	23.00
5200MHz_TnomVnom	Pass	16.02	-13.88	-13.69	-15.51	-13.30	-8.64	6.98	7.38	23.00
5240MHz_TnomVnom	Pass	16.02	-14.41	-13.69	-15.50	-14.31	-8.99	6.98	7.03	23.00
5260MHz_TnomVnom	Pass	16.02	-5.96	-5.08	-6.46	-5.21	-0.17	0.98	15.85	17.00
5300MHz_TnomVnom	Pass	16.02	-5.50	-4.77	-6.01	-4.45	0.44	0.98	16.46	17.00
5320MHz_TnomVnom	Pass	16.02	-5.69	-4.99	-7.15	-5.62	-0.19	0.98	15.83	17.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	16.02	-15.68	-15.74	-17.66	-15.65	-10.91	6.98	5.11	23.00
5230MHz_TnomVnom	Pass	16.02	-16.23	-16.07	-18.04	-16.11	-11.30	6.98	4.72	23.00
5270MHz_TnomVnom	Pass	16.02	-7.58	-7.30	-9.33	-6.63	-2.34	0.98	13.68	17.00
5310MHz_TnomVnom	Pass	16.02	-6.92	-7.58	-9.52	-8.04	-2.55	0.98	13.47	17.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	16.02	-19.51	-18.73	-21.00	-19.11	-14.10	6.98	1.92	23.00
5290MHz_TnomVnom	Pass	16.02	-10.05	-10.60	-11.87	-10.40	-5.11	0.98	10.91	17.00

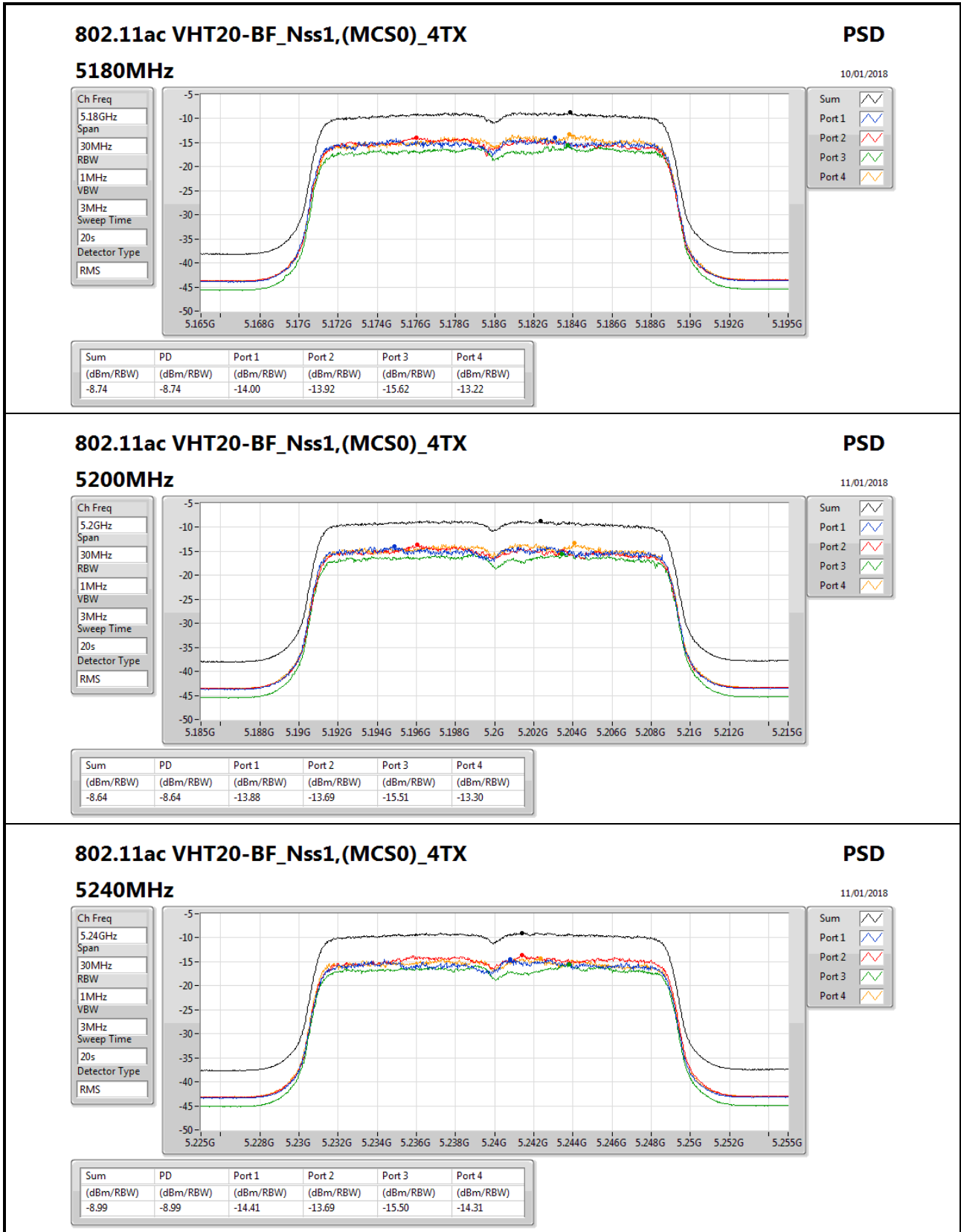
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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



PSD Result (Antenna Gain 10 dBi)
Beamforming_Outdoor Master

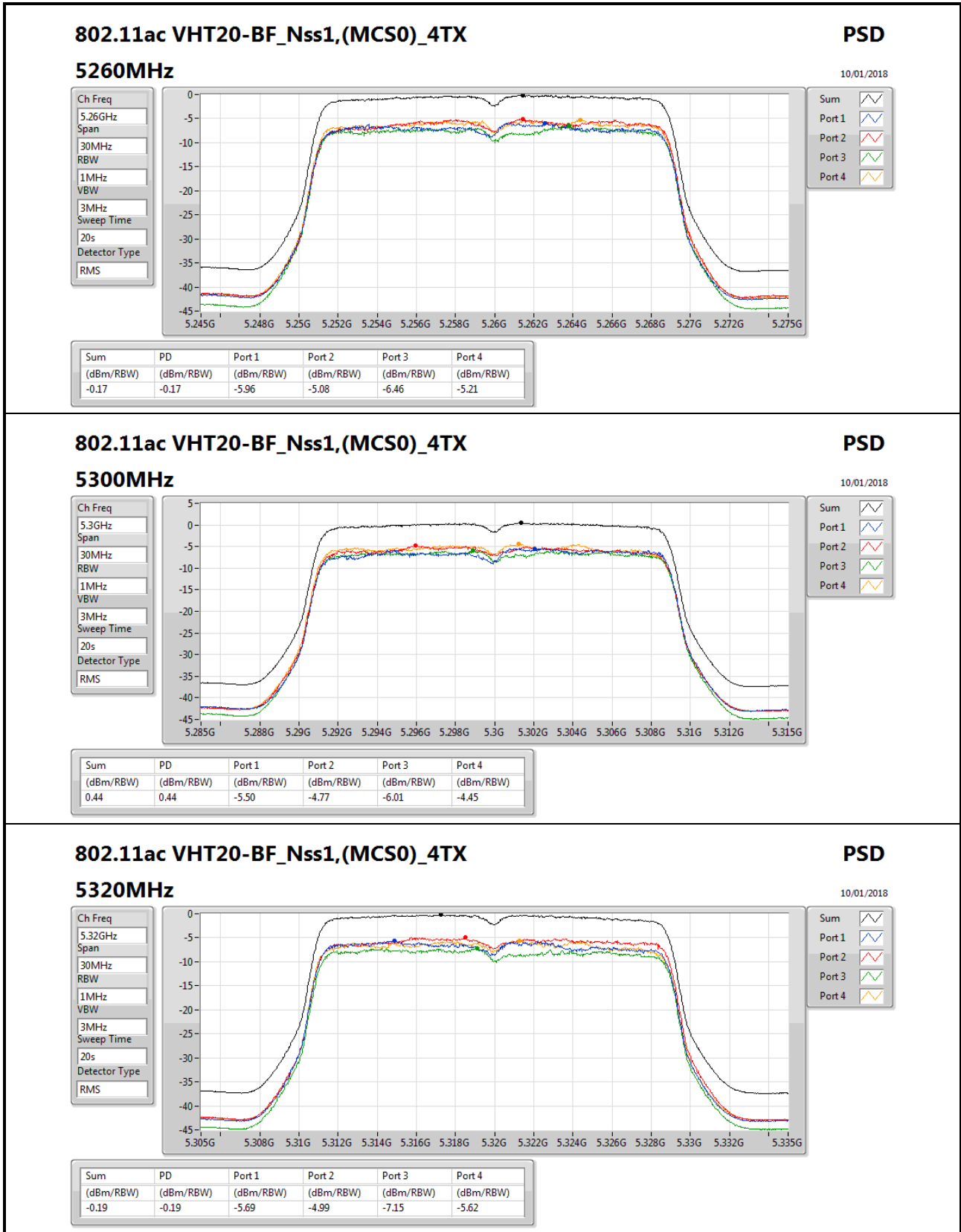
Appendix D.7





PSD Result (Antenna Gain 10 dBi)
Beamforming_Outdoor Master

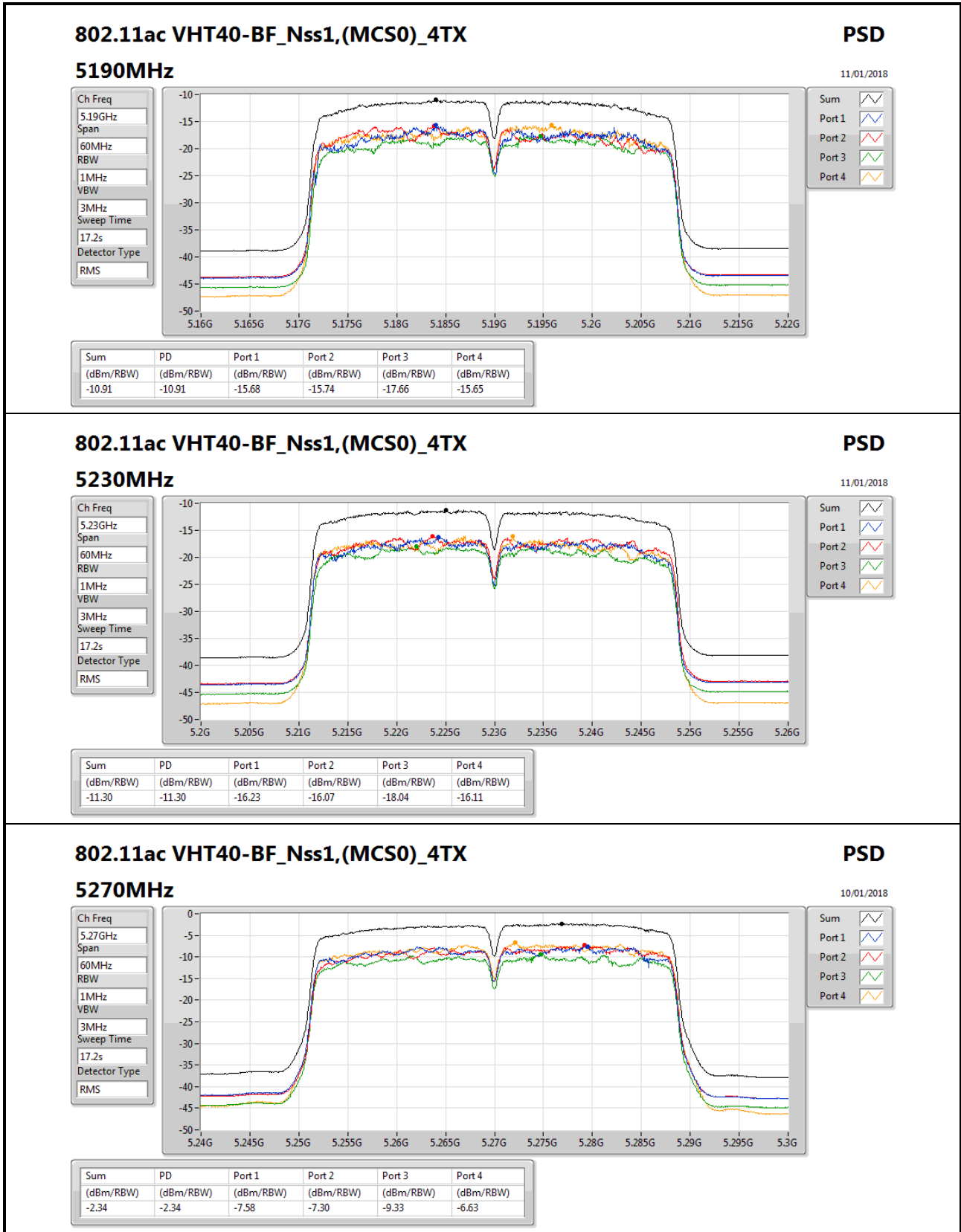
Appendix D.7





PSD Result (Antenna Gain 10 dBi)
Beamforming_Outdoor Master

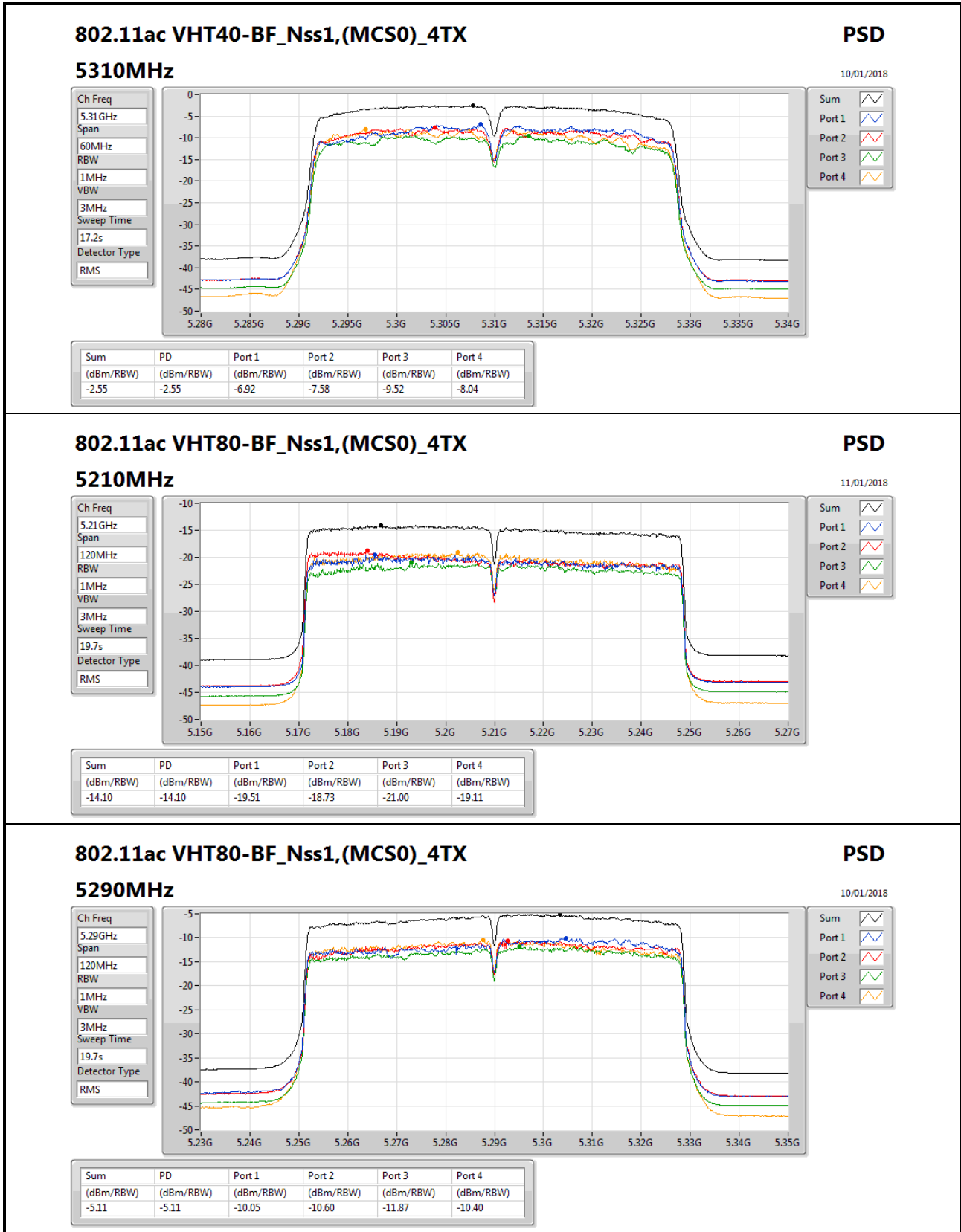
Appendix D.7





PSD Result (Antenna Gain 10 dBi)
Beamforming_Outdoor Master

Appendix D.7





PSD Result (Antenna Gain 15 dBi)
Beamforming_Client

Appendix D.8

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-4.07	16.95
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-5.55	15.47
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-9.42	11.60
5.25-5.35GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-4.20	16.82
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-5.36	15.66
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-8.56	12.46

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



**PSD Result (Antenna Gain 15 dBi)
Beamforming_Client**

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	21.02	-9.34	-9.07	-8.88	-9.51	-4.20	-4.02	16.82	17.00
5200MHz_TnomVnom	Pass	21.02	-10.37	-10.48	-10.38	-9.93	-4.93	-4.02	16.09	17.00
5240MHz_TnomVnom	Pass	21.02	-9.31	-9.15	-9.87	-9.48	-4.07	-4.02	16.95	17.00
5260MHz_TnomVnom	Pass	21.02	-9.17	-9.42	-9.66	-9.89	-4.20	-4.02	16.82	17.00
5300MHz_TnomVnom	Pass	21.02	-10.09	-9.89	-9.85	-9.63	-4.43	-4.02	16.59	17.00
5320MHz_TnomVnom	Pass	21.02	-9.96	-9.87	-11.02	-9.88	-4.95	-4.02	16.07	17.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	21.02	-11.66	-11.33	-11.32	-12.04	-6.28	-4.02	14.74	17.00
5230MHz_TnomVnom	Pass	21.02	-10.59	-10.50	-10.79	-10.56	-5.55	-4.02	15.47	17.00
5270MHz_TnomVnom	Pass	21.02	-11.77	-11.32	-11.26	-11.33	-5.97	-4.02	15.05	17.00
5310MHz_TnomVnom	Pass	21.02	-10.03	-10.70	-10.92	-10.15	-5.36	-4.02	15.66	17.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	21.02	-14.42	-13.93	-14.63	-13.59	-9.42	-4.02	11.60	17.00
5290MHz_TnomVnom	Pass	21.02	-13.37	-14.66	-14.58	-13.71	-8.56	-4.02	12.46	17.00

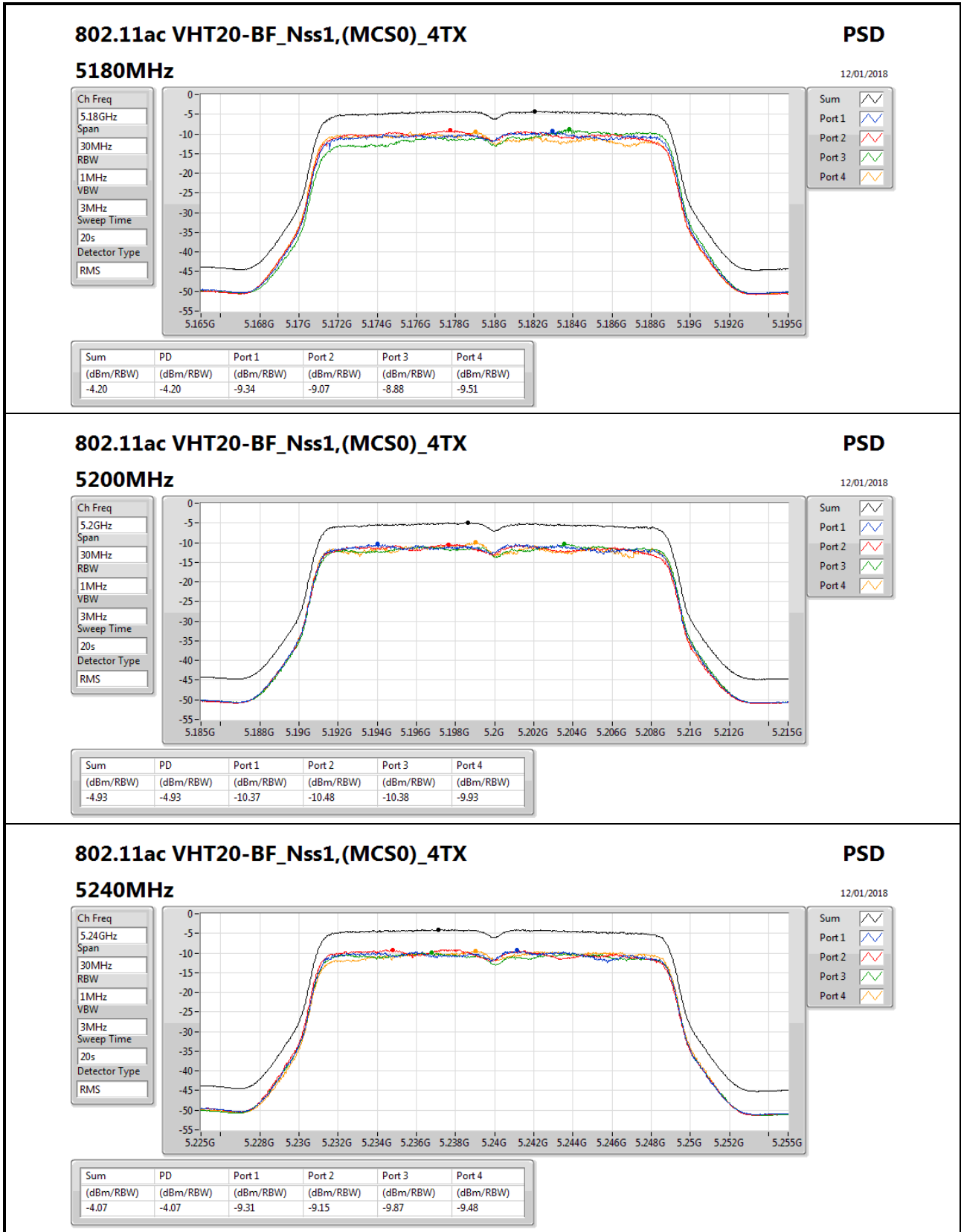
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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



PSD Result (Antenna Gain 15 dBi)
Beamforming_Client

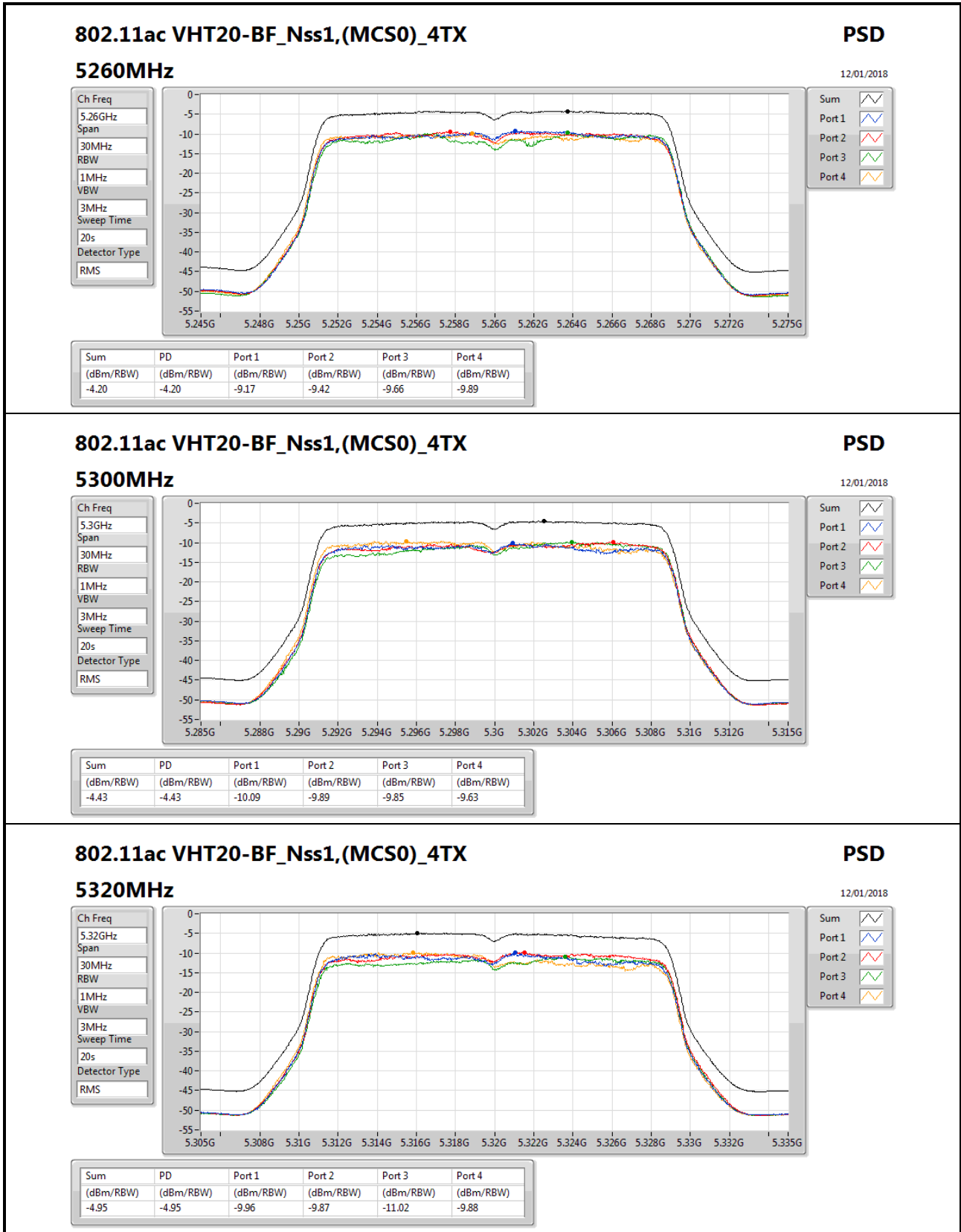
Appendix D.8





PSD Result (Antenna Gain 15 dBi)
Beamforming_Client

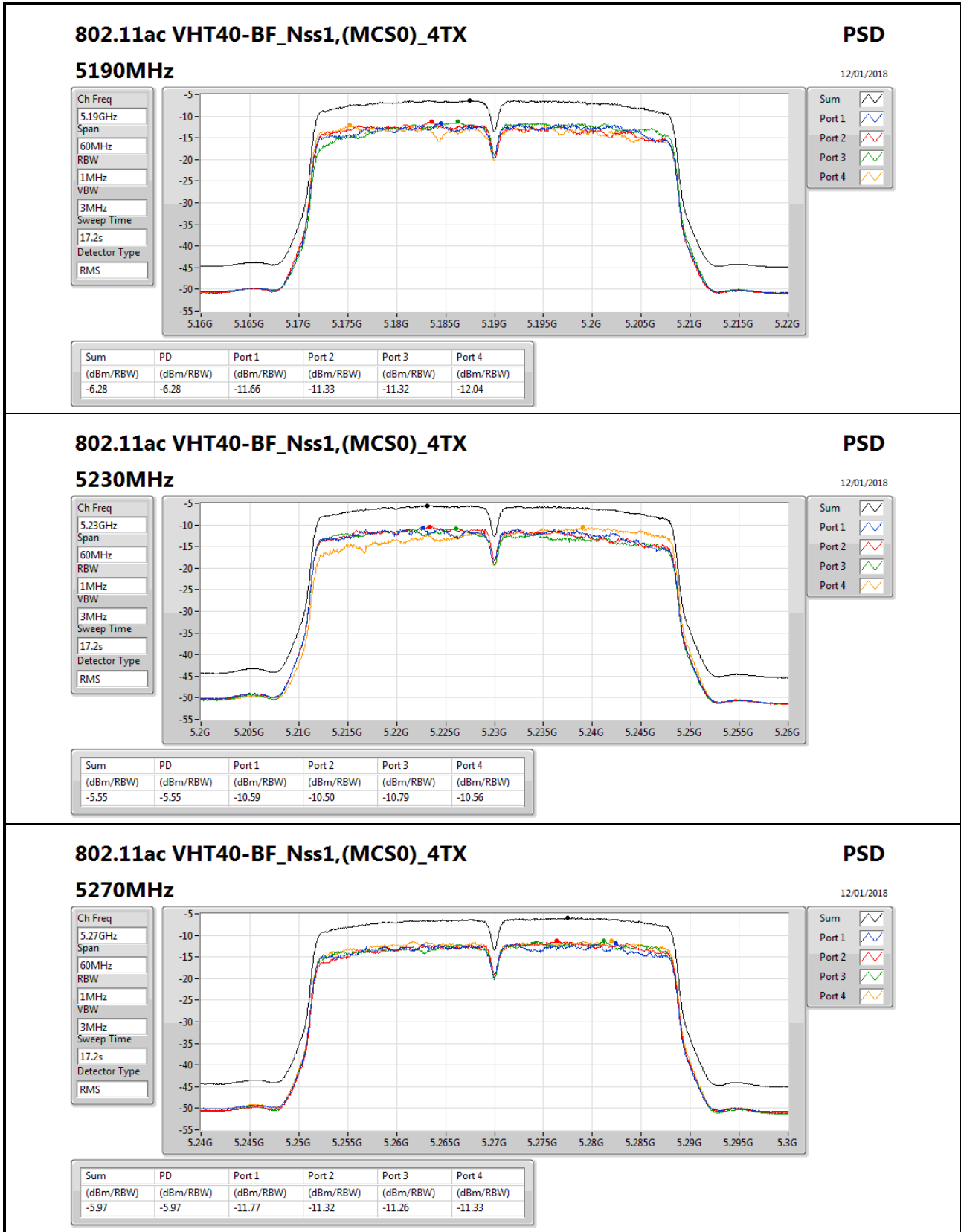
Appendix D.8





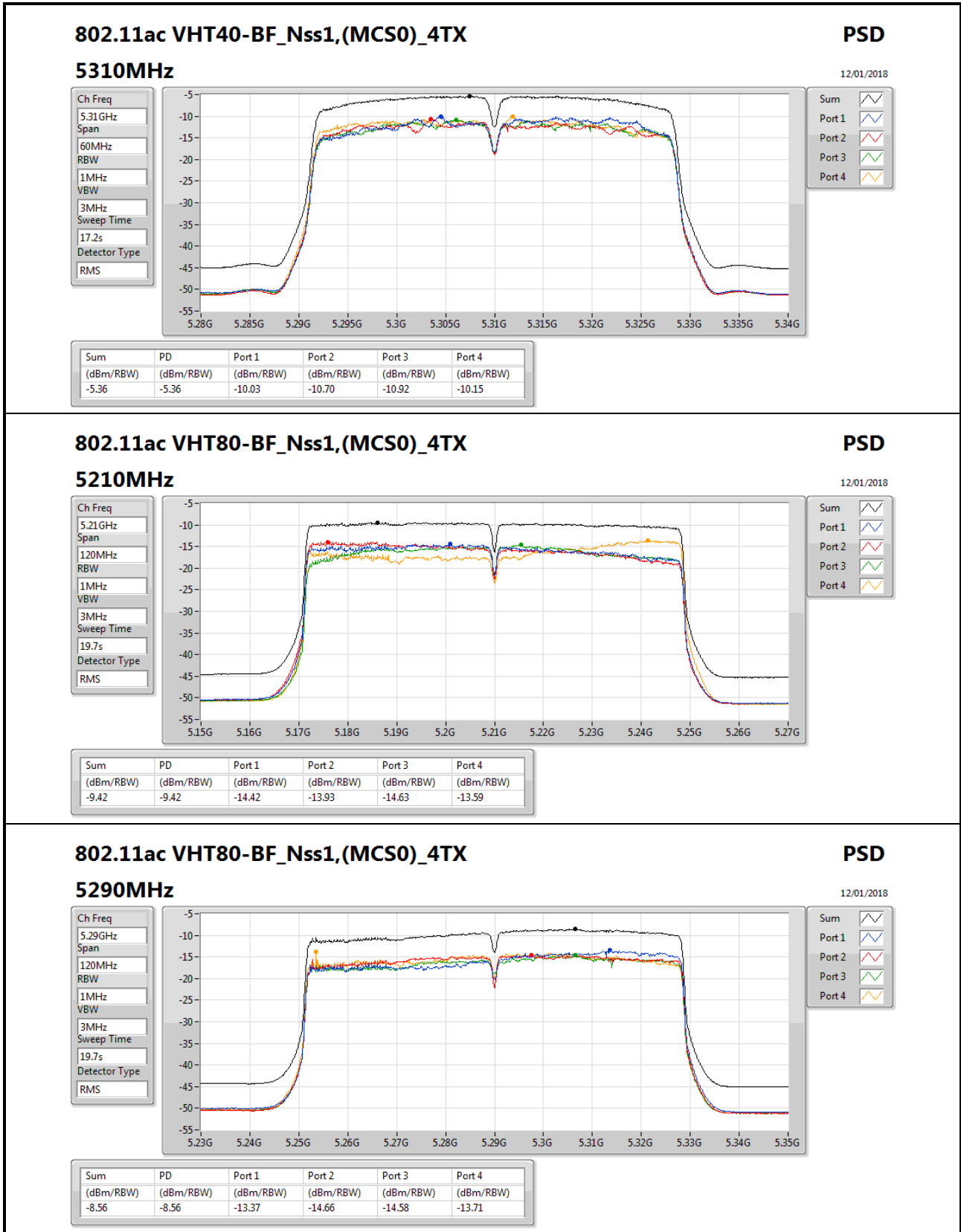
PSD Result (Antenna Gain 15 dBi)
Beamforming_Client

Appendix D.8





PSD Result (Antenna Gain 15 dBi)
Beamforming_Client





PSD Result (Antenna Gain 15 dBi)
Beamforming_Indoor Master

Appendix D.9

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	1.78	22.80
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-0.36	20.66
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-4.24	16.78
5.25-5.35GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-4.20	16.82
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-5.36	15.66
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-8.56	12.46

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



**PSD Result (Antenna Gain 15 dBi)
Beamforming_Indoor Master**

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	21.02	-3.44	-3.61	-4.14	-3.17	1.78	1.98	22.80	23.00
5200MHz_TnomVnom	Pass	21.02	-3.76	-4.55	-4.83	-3.70	1.18	1.98	22.20	23.00
5240MHz_TnomVnom	Pass	21.02	-3.74	-3.53	-3.64	-3.57	1.73	1.98	22.75	23.00
5260MHz_TnomVnom	Pass	21.02	-9.17	-9.42	-9.66	-9.89	-4.20	-4.02	16.82	17.00
5300MHz_TnomVnom	Pass	21.02	-10.09	-9.89	-9.85	-9.63	-4.43	-4.02	16.59	17.00
5320MHz_TnomVnom	Pass	21.02	-9.96	-9.87	-11.02	-9.88	-4.95	-4.02	16.07	17.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	21.02	-6.41	-5.50	-6.67	-6.27	-1.17	1.98	19.85	23.00
5230MHz_TnomVnom	Pass	21.02	-5.66	-5.84	-5.87	-5.78	-0.36	1.98	20.66	23.00
5270MHz_TnomVnom	Pass	21.02	-11.77	-11.32	-11.26	-11.33	-5.97	-4.02	15.05	17.00
5310MHz_TnomVnom	Pass	21.02	-10.03	-10.70	-10.92	-10.15	-5.36	-4.02	15.66	17.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	21.02	-9.83	-8.69	-10.28	-9.09	-4.24	1.98	16.78	23.00
5290MHz_TnomVnom	Pass	21.02	-13.37	-14.66	-14.58	-13.71	-8.56	-4.02	12.46	17.00

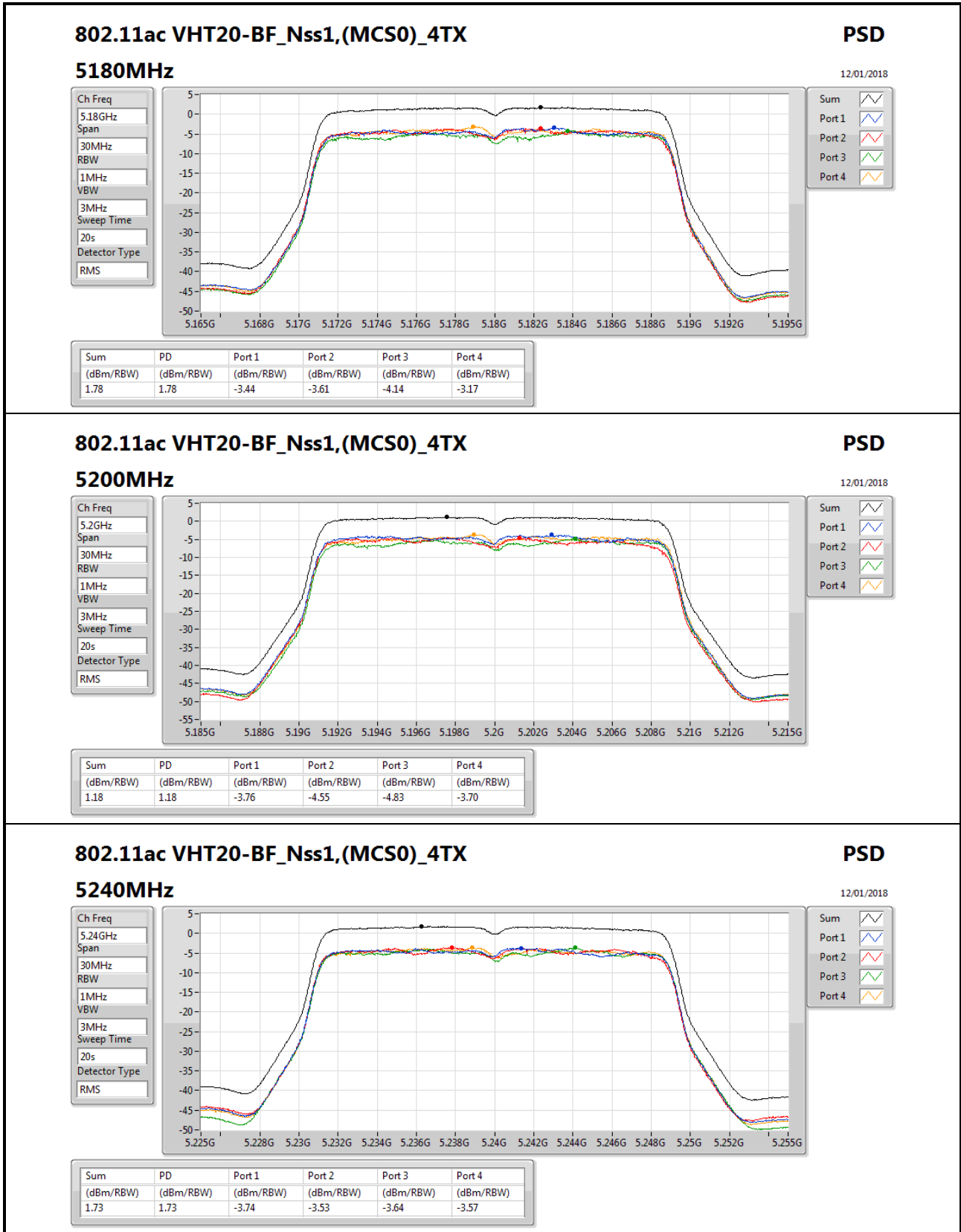
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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



PSD Result (Antenna Gain 15 dBi)
Beamforming_Indoor Master

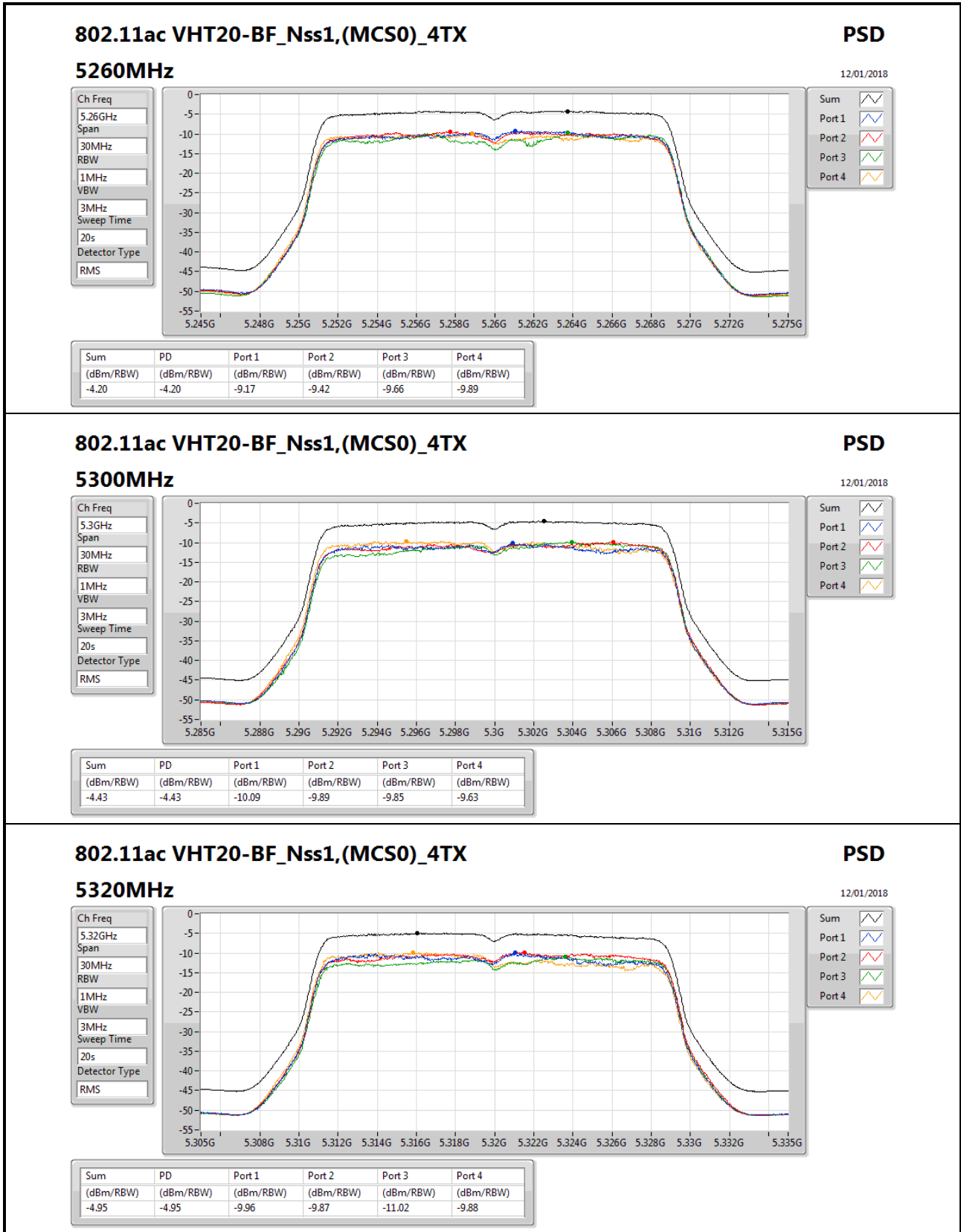
Appendix D.9





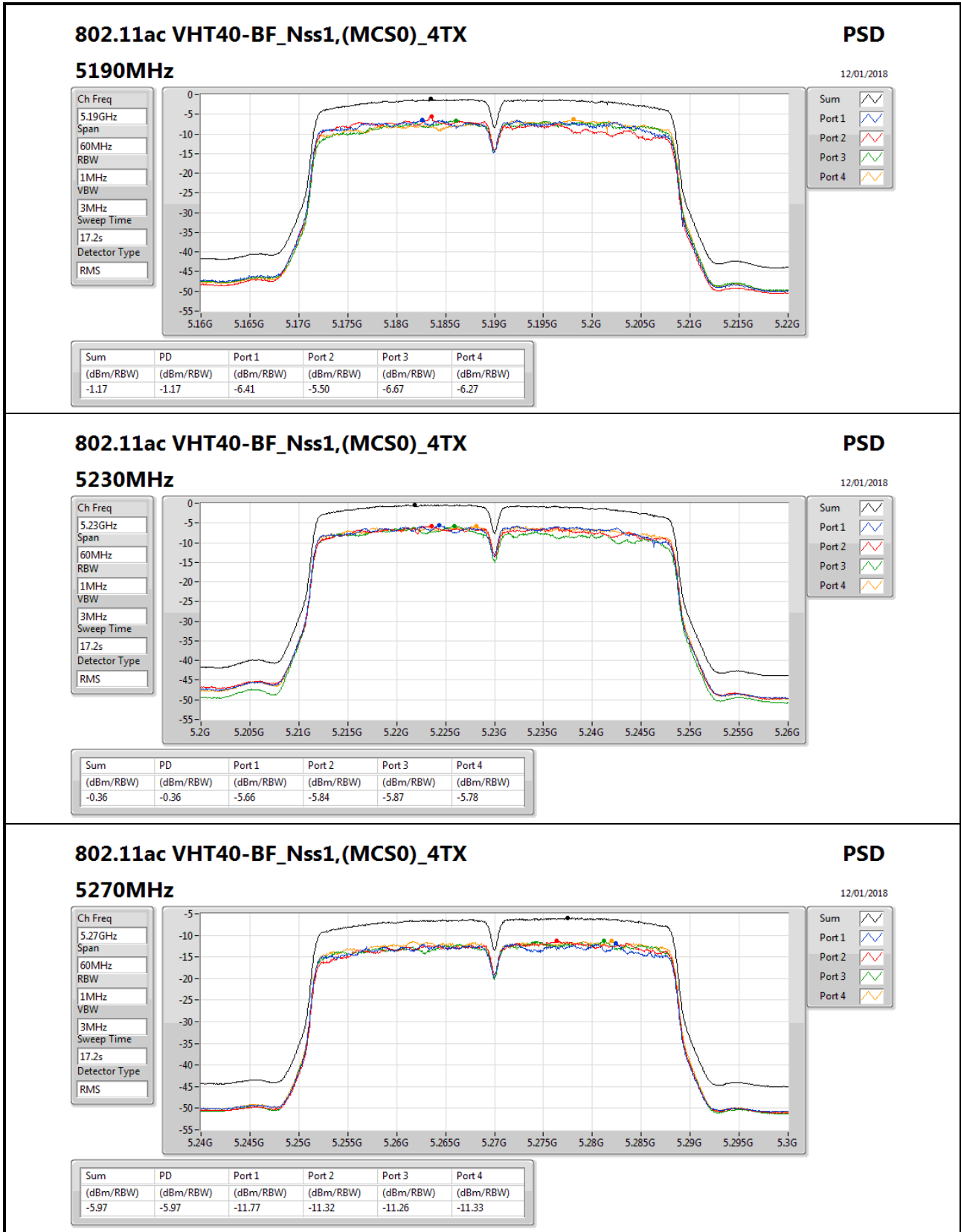
PSD Result (Antenna Gain 15 dBi)
Beamforming_Indoor Master

Appendix D.9





PSD Result (Antenna Gain 15 dBi)
Beamforming_Indoor Master



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5270MHz

PSD

12/01/2018

Ch Freq
5.27GHz

Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
17.2s

Detector Type
RMS

Sum

Port 1

Port 2

Port 3

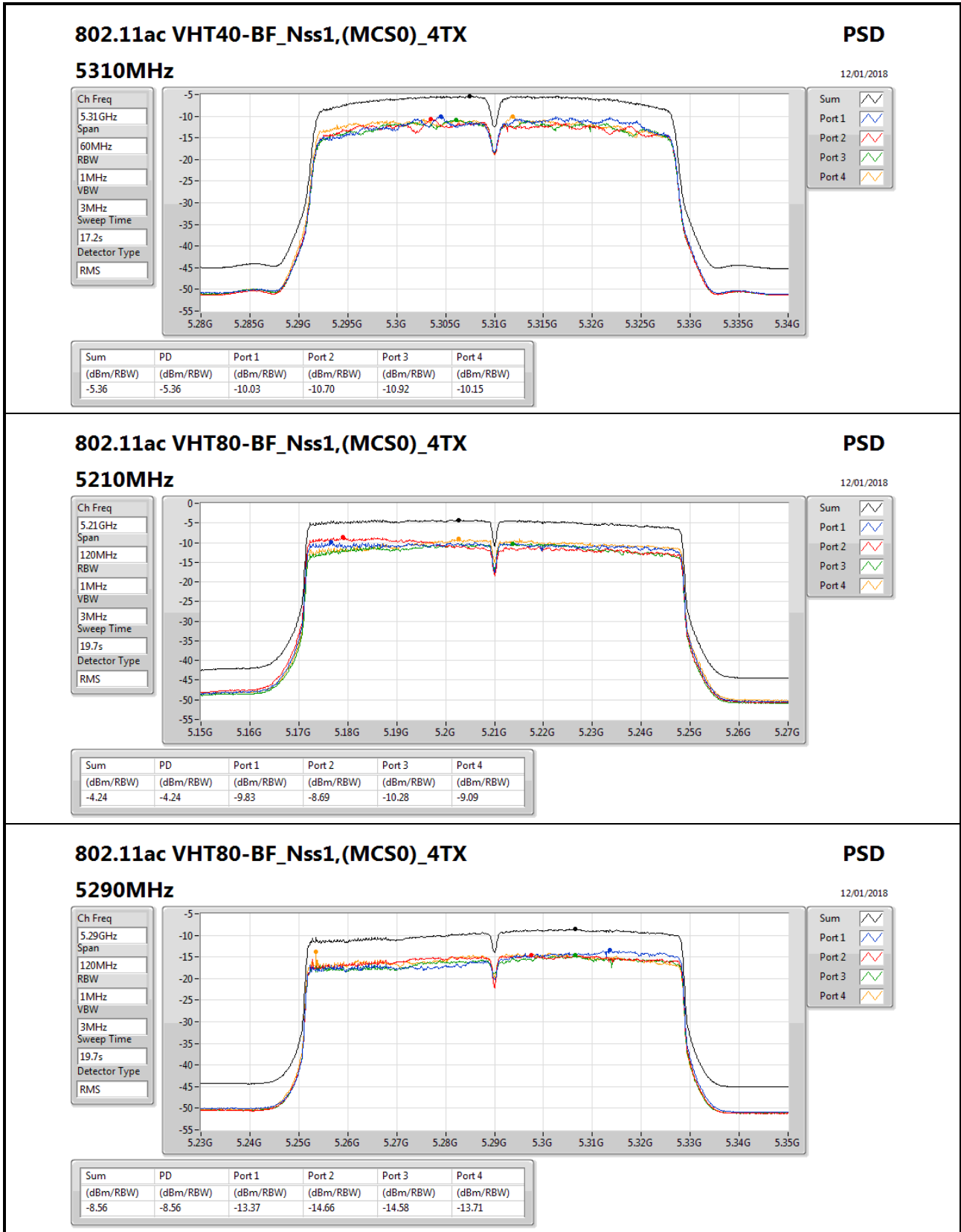
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.97	-5.97	-11.77	-11.32	-11.26	-11.33



PSD Result (Antenna Gain 15 dBi)
Beamforming_Indoor Master

Appendix D.9





PSD Result (Antenna Gain 15 dBi)
Beamforming_Outdoor Master

Appendix D.10

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-13.46	7.56
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-16.43	4.59
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-20.06	0.96
5.25-5.35GHz	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-4.20	16.82
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-5.36	15.66
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-8.56	12.46

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



**PSD Result (Antenna Gain 15 dBi)
Beamforming_Outdoor Master**

Appendix D.10

Result

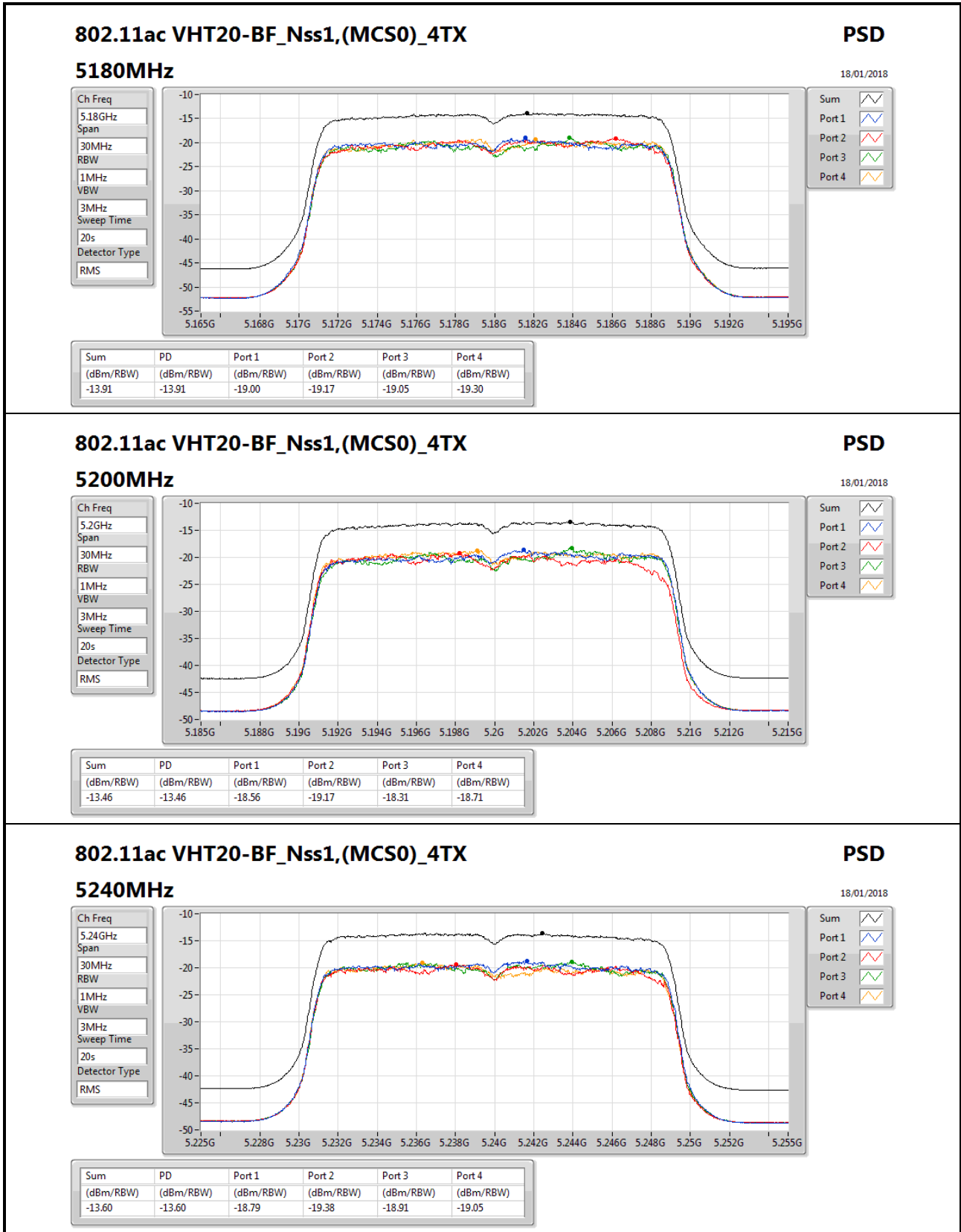
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	21.02	-19.00	-19.17	-19.05	-19.30	-13.91	1.98	7.11	23.00
5200MHz_TnomVnom	Pass	21.02	-18.56	-19.17	-18.31	-18.71	-13.46	1.98	7.56	23.00
5240MHz_TnomVnom	Pass	21.02	-18.79	-19.38	-18.91	-19.05	-13.60	1.98	7.42	23.00
5260MHz_TnomVnom	Pass	21.02	-9.17	-9.42	-9.66	-9.89	-4.20	-4.02	16.82	17.00
5300MHz_TnomVnom	Pass	21.02	-10.09	-9.89	-9.85	-9.63	-4.43	-4.02	16.59	17.00
5320MHz_TnomVnom	Pass	21.02	-9.96	-9.87	-11.02	-9.88	-4.95	-4.02	16.07	17.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	21.02	-21.77	-21.77	-21.80	-21.92	-16.43	1.98	4.59	23.00
5230MHz_TnomVnom	Pass	21.02	-22.17	-22.04	-22.31	-22.55	-16.95	1.98	4.07	23.00
5270MHz_TnomVnom	Pass	21.02	-11.77	-11.32	-11.26	-11.33	-5.97	-4.02	15.05	17.00
5310MHz_TnomVnom	Pass	21.02	-10.03	-10.70	-10.92	-10.15	-5.36	-4.02	15.66	17.00
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	21.02	-24.89	-25.65	-25.37	-25.20	-20.06	1.98	0.96	23.00
5290MHz_TnomVnom	Pass	21.02	-13.37	-14.66	-14.58	-13.71	-8.56	-4.02	12.46	17.00

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;



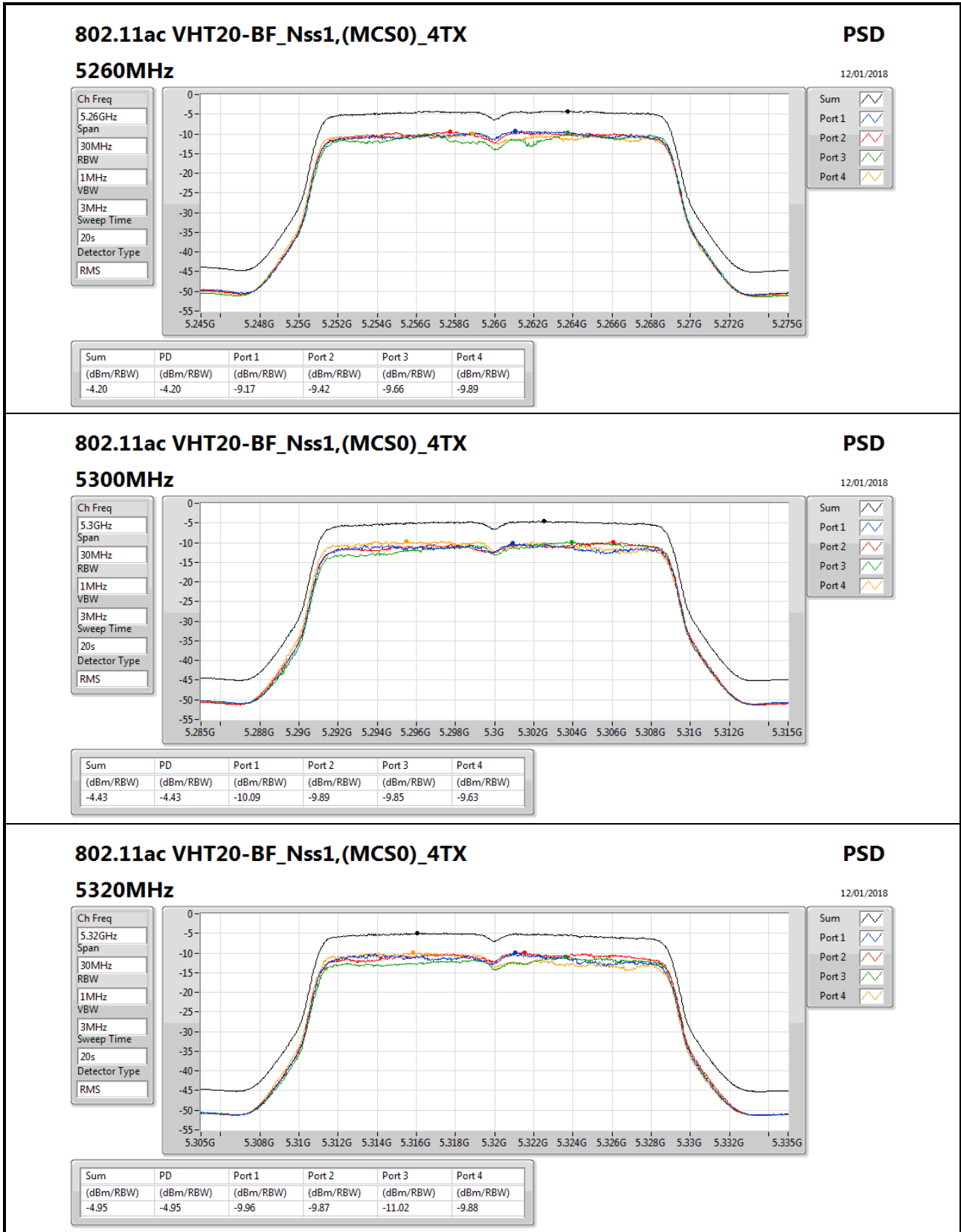
PSD Result (Antenna Gain 15 dBi)
Beamforming_Outdoor Master





PSD Result (Antenna Gain 15 dBi)
Beamforming_Outdoor Master

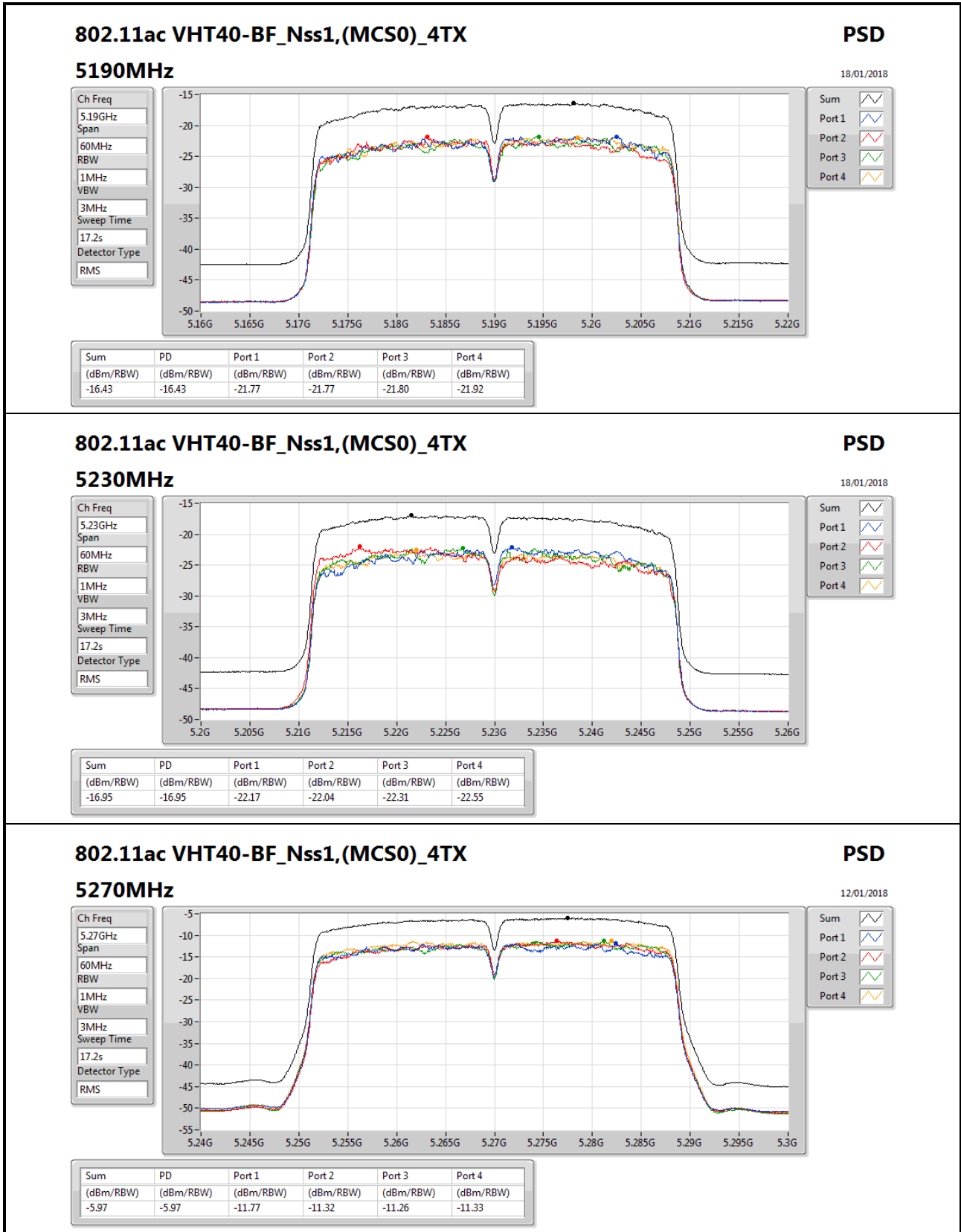
Appendix D.10





PSD Result (Antenna Gain 15 dBi)
Beamforming_Outdoor Master

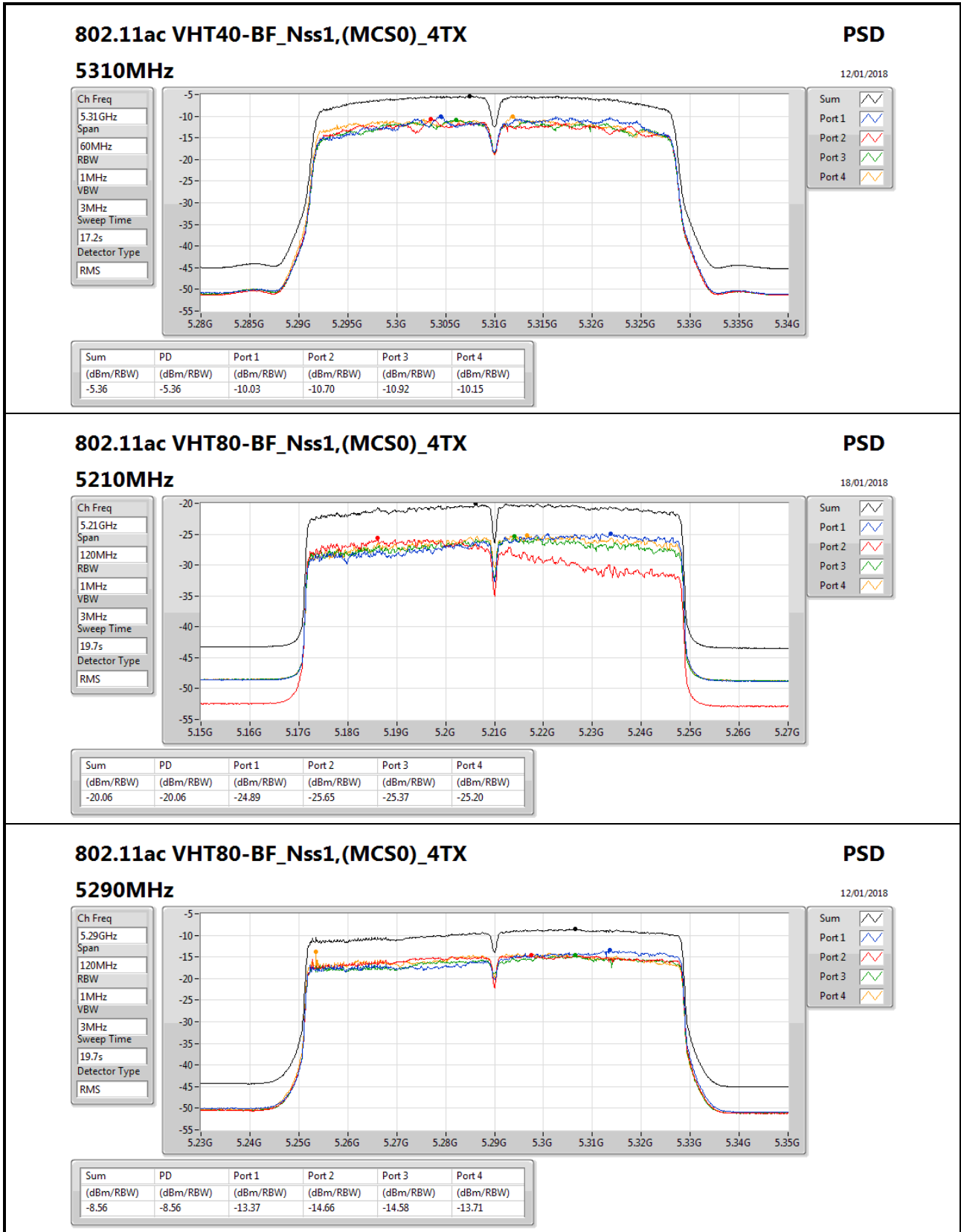
Appendix D.10





PSD Result (Antenna Gain 15 dBi)
Beamforming_Outdoor Master

Appendix D.10





**RSE TX above 1GHz Result (Antenna Gain 10 dBi)
Beamforming**

Appendix E.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	5.1498G	52.95	54.00	-1.05	4.79	3	Horizontal	224	1.33	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	AV	5.1472G	53.81	54.00	-0.19	4.79	3	Vertical	345	1.50	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	AV	5.134G	53.71	54.00	-0.29	4.77	3	Horizontal	332	1.50	-
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	5.3502G	50.83	54.00	-3.17	5.06	3	Vertical	352	1.46	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	AV	5.3504G	53.49	54.00	-0.51	5.06	3	Vertical	352	1.50	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	AV	5.3565G	51.98	54.00	-2.02	5.07	3	Vertical	354	1.50	-



**RSE TX above 1GHz Result (Antenna Gain 10 dBi)
Beamforming**

Appendix E.1

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1498G	52.95	54.00	-1.05	4.79	3	Horizontal	224	1.33	-
5180MHz	Pass	AV	5.1838G	101.72	Inf	-Inf	4.84	3	Horizontal	344	2.04	-
5180MHz	Pass	PK	5.1496G	61.23	74.00	-12.77	4.79	3	Horizontal	156	2.05	-
5180MHz	Pass	PK	5.1844G	108.71	Inf	-Inf	4.84	3	Horizontal	342	1.87	-
5180MHz	Pass	AV	5.1482G	50.27	54.00	-3.73	4.79	3	Vertical	88	1.24	-
5180MHz	Pass	AV	5.1878G	102.33	Inf	-Inf	4.84	3	Vertical	264	1.23	-
5180MHz	Pass	PK	5.1488G	58.74	74.00	-15.26	4.79	3	Vertical	340	2.48	-
5180MHz	Pass	PK	5.1878G	108.84	Inf	-Inf	4.84	3	Vertical	161	2.45	-
5180MHz	Pass	AV	15.54042G	48.98	54.00	-5.02	17.15	3	Horizontal	320	1.30	-
5180MHz	Pass	PK	15.53178G	59.51	74.00	-14.49	17.18	3	Horizontal	320	1.30	-
5180MHz	Pass	AV	15.53615G	48.73	54.00	-5.27	17.15	3	Vertical	28	1.62	-
5180MHz	Pass	PK	15.53647G	59.31	74.00	-14.69	17.15	3	Vertical	28	1.62	-
5200MHz	Pass	AV	5.1172G	48.64	54.00	-5.36	4.74	3	Horizontal	328	3.20	-
5200MHz	Pass	AV	5.2024G	103.25	Inf	-Inf	4.86	3	Horizontal	328	3.20	-
5200MHz	Pass	PK	5.1292G	59.19	74.00	-14.81	4.76	3	Horizontal	328	3.20	-
5200MHz	Pass	PK	5.202G	110.83	Inf	-Inf	4.86	3	Horizontal	328	3.20	-
5200MHz	Pass	AV	5.1264G	48.40	54.00	-5.60	4.76	3	Vertical	356	1.49	-
5200MHz	Pass	AV	5.1972G	103.85	Inf	-Inf	4.86	3	Vertical	356	1.49	-
5200MHz	Pass	PK	5.1464G	58.77	74.00	-15.23	4.78	3	Vertical	356	1.49	-
5200MHz	Pass	PK	5.1976G	111.78	Inf	-Inf	4.86	3	Vertical	356	1.49	-
5200MHz	Pass	AV	15.59478G	49.01	54.00	-4.99	16.96	3	Horizontal	117	1.44	-
5200MHz	Pass	PK	15.60192G	59.08	74.00	-14.92	16.94	3	Horizontal	117	1.44	-
5200MHz	Pass	AV	15.60162G	49.08	54.00	-4.92	16.94	3	Vertical	65	1.01	-
5200MHz	Pass	PK	15.59868G	58.85	74.00	-15.15	16.95	3	Vertical	65	1.01	-
5240MHz	Pass	AV	5.1464G	48.42	54.00	-5.58	4.78	3	Horizontal	336	1.00	-
5240MHz	Pass	AV	5.2442G	101.23	Inf	-Inf	4.92	3	Horizontal	336	1.00	-
5240MHz	Pass	AV	5.384G	47.71	54.00	-6.29	5.11	3	Horizontal	336	1.00	-
5240MHz	Pass	PK	5.1062G	56.77	74.00	-17.23	4.73	3	Horizontal	336	1.00	-
5240MHz	Pass	PK	5.2436G	108.40	Inf	-Inf	4.92	3	Horizontal	336	1.00	-
5240MHz	Pass	PK	5.3702G	57.44	74.00	-16.56	5.09	3	Horizontal	336	1.00	-
5240MHz	Pass	AV	5.09G	48.39	54.00	-5.61	4.71	3	Vertical	347	1.49	-
5240MHz	Pass	AV	5.2328G	102.85	Inf	-Inf	4.90	3	Vertical	347	1.49	-
5240MHz	Pass	AV	5.36G	47.54	54.00	-6.46	5.07	3	Vertical	347	1.49	-
5240MHz	Pass	PK	5.1062G	58.66	74.00	-15.34	4.73	3	Vertical	347	1.49	-
5240MHz	Pass	PK	5.2376G	109.35	Inf	-Inf	4.91	3	Vertical	347	1.49	-
5240MHz	Pass	PK	5.3828G	57.33	74.00	-16.67	5.11	3	Vertical	347	1.49	-
5240MHz	Pass	AV	15.70866G	48.85	54.00	-5.15	16.57	3	Horizontal	19	1.50	-
5240MHz	Pass	PK	15.7158G	59.05	74.00	-14.95	16.54	3	Horizontal	19	1.50	-
5240MHz	Pass	AV	15.7068G	48.55	54.00	-5.45	16.57	3	Vertical	120	1.50	-
5240MHz	Pass	PK	15.72138G	58.48	74.00	-15.52	16.52	3	Vertical	120	1.50	-
5260MHz	Pass	AV	5.1118G	48.31	54.00	-5.69	4.74	3	Horizontal	333	1.84	-
5260MHz	Pass	AV	5.2654G	101.85	Inf	-Inf	4.95	3	Horizontal	333	1.84	-
5260MHz	Pass	AV	5.3566G	47.67	54.00	-6.33	5.07	3	Horizontal	333	1.84	-
5260MHz	Pass	PK	5.1184G	57.46	74.00	-16.54	4.75	3	Horizontal	333	1.84	-
5260MHz	Pass	PK	5.2636G	109.46	Inf	-Inf	4.94	3	Horizontal	333	1.84	-
5260MHz	Pass	PK	5.3752G	56.42	74.00	-17.58	5.10	3	Horizontal	333	1.84	-



RSE TX above 1GHz Result (Antenna Gain 10 dBi)
Beamforming

Appendix E.1

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	AV	5.1364G	48.56	54.00	-5.44	4.77	3	Vertical	344	1.48	-
5260MHz	Pass	AV	5.2624G	102.74	Inf	-Inf	4.94	3	Vertical	344	1.48	-
5260MHz	Pass	AV	5.3584G	47.81	54.00	-6.19	5.07	3	Vertical	344	1.48	-
5260MHz	Pass	PK	5.1466G	56.52	74.00	-17.48	4.79	3	Vertical	344	1.48	-
5260MHz	Pass	PK	5.2594G	109.64	Inf	-Inf	4.94	3	Vertical	344	1.48	-
5260MHz	Pass	PK	5.3848G	57.42	74.00	-16.58	5.11	3	Vertical	344	1.48	-
5260MHz	Pass	AV	15.77802G	48.73	54.00	-5.27	16.33	3	Horizontal	310	1.18	-
5260MHz	Pass	PK	15.77574G	59.15	74.00	-14.85	16.34	3	Horizontal	310	1.18	-
5260MHz	Pass	AV	15.77208G	48.77	54.00	-5.23	16.35	3	Vertical	353	1.38	-
5260MHz	Pass	PK	15.77514G	58.72	74.00	-15.28	16.34	3	Vertical	353	1.38	-
5300MHz	Pass	AV	5.2952G	99.89	Inf	-Inf	4.98	3	Horizontal	7	1.50	-
5300MHz	Pass	AV	5.4G	47.74	54.00	-6.26	5.13	3	Horizontal	7	1.50	-
5300MHz	Pass	PK	5.2948G	108.74	Inf	-Inf	4.98	3	Horizontal	7	1.50	-
5300MHz	Pass	PK	5.378G	58.11	74.00	-15.89	5.10	3	Horizontal	7	1.50	-
5300MHz	Pass	AV	5.3064G	101.32	Inf	-Inf	5.00	3	Vertical	345	1.50	-
5300MHz	Pass	AV	5.372G	47.73	54.00	-6.27	5.09	3	Vertical	345	1.50	-
5300MHz	Pass	PK	5.3036G	110.00	Inf	-Inf	5.00	3	Vertical	345	1.50	-
5300MHz	Pass	PK	5.3556G	58.89	74.00	-15.11	5.07	3	Vertical	345	1.50	-
5300MHz	Pass	AV	15.88518G	48.16	54.00	-5.84	15.96	3	Horizontal	359	1.88	-
5300MHz	Pass	PK	15.88914G	57.88	74.00	-16.12	15.94	3	Horizontal	359	1.88	-
5300MHz	Pass	AV	15.90606G	48.22	54.00	-5.78	15.89	3	Vertical	324	1.29	-
5300MHz	Pass	PK	15.88788G	58.35	74.00	-15.65	15.95	3	Vertical	324	1.29	-
5320MHz	Pass	AV	5.3164G	98.85	Inf	-Inf	5.01	3	Horizontal	330	1.47	-
5320MHz	Pass	AV	5.3502G	48.41	54.00	-5.59	5.06	3	Horizontal	330	1.47	-
5320MHz	Pass	PK	5.3162G	107.55	Inf	-Inf	5.01	3	Horizontal	330	1.47	-
5320MHz	Pass	PK	5.3532G	58.40	74.00	-15.60	5.06	3	Horizontal	330	1.47	-
5320MHz	Pass	AV	5.3176G	100.97	Inf	-Inf	5.01	3	Vertical	352	1.46	-
5320MHz	Pass	AV	5.3502G	50.83	54.00	-3.17	5.06	3	Vertical	352	1.46	-
5320MHz	Pass	PK	5.3172G	111.61	Inf	-Inf	5.01	3	Vertical	352	1.46	-
5320MHz	Pass	PK	5.3502G	60.96	74.00	-13.04	5.06	3	Vertical	352	1.46	-
5320MHz	Pass	AV	15.96738G	47.83	54.00	-6.17	15.67	3	Horizontal	299	1.76	-
5320MHz	Pass	PK	15.96918G	57.58	74.00	-16.42	15.67	3	Horizontal	299	1.76	-
5320MHz	Pass	AV	15.96972G	48.09	54.00	-5.91	15.66	3	Vertical	270	1.03	-
5320MHz	Pass	PK	15.95952G	58.35	74.00	-15.65	15.70	3	Vertical	270	1.03	-
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.134G	51.03	54.00	-2.97	4.77	3	Horizontal	21	1.47	-
5190MHz	Pass	AV	5.1732G	97.43	Inf	-Inf	4.82	3	Horizontal	21	1.47	-
5190MHz	Pass	PK	5.1428G	65.03	74.00	-8.97	4.78	3	Horizontal	21	1.47	-
5190MHz	Pass	PK	5.18G	105.02	Inf	-Inf	4.83	3	Horizontal	21	1.47	-
5190MHz	Pass	AV	5.1472G	53.81	54.00	-0.19	4.79	3	Vertical	345	1.50	-
5190MHz	Pass	AV	5.192G	95.59	Inf	-Inf	4.85	3	Vertical	345	1.50	-
5190MHz	Pass	PK	5.1484G	66.92	74.00	-7.08	4.79	3	Vertical	345	1.50	-
5190MHz	Pass	PK	5.1788G	105.64	Inf	-Inf	4.83	3	Vertical	345	1.50	-
5190MHz	Pass	AV	15.57564G	49.37	54.00	-4.63	17.03	3	Horizontal	128	1.04	-
5190MHz	Pass	PK	15.58212G	59.84	74.00	-14.16	17.01	3	Horizontal	128	1.04	-
5190MHz	Pass	AV	15.58104G	49.26	54.00	-4.74	17.01	3	Vertical	293	2.00	-
5190MHz	Pass	PK	15.55788G	59.38	74.00	-14.62	17.09	3	Vertical	293	2.00	-
5230MHz	Pass	AV	5.1464G	48.61	54.00	-5.39	4.78	3	Horizontal	2	1.50	-



**RSE TX above 1GHz Result (Antenna Gain 10 dBi)
Beamforming**

Appendix E.1

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5230MHz	Pass	AV	5.22G	100.26	Inf	-Inf	4.89	3	Horizontal	2	1.50	-
5230MHz	Pass	PK	5.148G	57.90	74.00	-16.10	4.79	3	Horizontal	2	1.50	-
5230MHz	Pass	PK	5.22G	105.12	Inf	-Inf	4.89	3	Horizontal	2	1.50	-
5230MHz	Pass	AV	5.1484G	50.30	54.00	-3.70	4.79	3	Vertical	24	1.46	-
5230MHz	Pass	AV	5.2268G	101.20	Inf	-Inf	4.89	3	Vertical	24	1.46	-
5230MHz	Pass	PK	5.1484G	62.79	74.00	-11.21	4.79	3	Vertical	24	1.46	-
5230MHz	Pass	PK	5.226G	108.59	Inf	-Inf	4.89	3	Vertical	24	1.46	-
5230MHz	Pass	AV	15.69216G	49.43	54.00	-4.57	16.63	3	Horizontal	215	1.59	-
5230MHz	Pass	PK	15.68196G	59.59	74.00	-14.41	16.66	3	Horizontal	215	1.59	-
5230MHz	Pass	AV	15.705G	49.29	54.00	-4.71	16.58	3	Vertical	81	1.48	-
5230MHz	Pass	PK	15.69708G	59.46	74.00	-14.54	16.61	3	Vertical	81	1.48	-
5270MHz	Pass	AV	5.2588G	97.83	Inf	-Inf	4.94	3	Horizontal	2	1.48	-
5270MHz	Pass	AV	5.3604G	47.83	54.00	-6.17	5.07	3	Horizontal	2	1.48	-
5270MHz	Pass	PK	5.2588G	107.29	Inf	-Inf	4.94	3	Horizontal	2	1.48	-
5270MHz	Pass	PK	5.36G	58.59	74.00	-15.41	5.07	3	Horizontal	2	1.48	-
5270MHz	Pass	AV	5.2744G	98.39	Inf	-Inf	4.96	3	Vertical	350	1.51	-
5270MHz	Pass	AV	5.352G	47.83	54.00	-6.17	5.06	3	Vertical	350	1.51	-
5270MHz	Pass	PK	5.2668G	109.69	Inf	-Inf	4.95	3	Vertical	350	1.51	-
5270MHz	Pass	PK	5.3548G	58.71	74.00	-15.29	5.07	3	Vertical	350	1.51	-
5270MHz	Pass	AV	15.79776G	48.54	54.00	-5.46	16.26	3	Horizontal	37	1.45	-
5270MHz	Pass	PK	15.80832G	59.33	74.00	-14.67	16.22	3	Horizontal	37	1.45	-
5270MHz	Pass	AV	15.82272G	49.26	54.00	-4.74	16.17	3	Vertical	33	1.38	-
5270MHz	Pass	PK	15.80718G	59.19	74.00	-14.81	16.23	3	Vertical	33	1.38	-
5310MHz	Pass	AV	5.2928G	97.20	Inf	-Inf	4.98	3	Horizontal	5	1.37	-
5310MHz	Pass	AV	5.3516G	52.68	54.00	-1.32	5.06	3	Horizontal	5	1.37	-
5310MHz	Pass	PK	5.2976G	106.15	Inf	-Inf	4.99	3	Horizontal	5	1.37	-
5310MHz	Pass	PK	5.3512G	67.59	74.00	-6.41	5.06	3	Horizontal	5	1.37	-
5310MHz	Pass	AV	5.3068G	102.06	Inf	-Inf	5.00	3	Vertical	352	1.50	-
5310MHz	Pass	AV	5.3504G	53.49	54.00	-0.51	5.06	3	Vertical	352	1.50	-
5310MHz	Pass	PK	5.3212G	107.41	Inf	-Inf	5.02	3	Vertical	352	1.50	-
5310MHz	Pass	PK	5.354G	65.00	74.00	-9.00	5.07	3	Vertical	352	1.50	-
5310MHz	Pass	AV	15.91806G	48.09	54.00	-5.91	15.84	3	Horizontal	0	1.67	-
5310MHz	Pass	PK	15.9447G	58.39	74.00	-15.61	15.75	3	Horizontal	0	1.67	-
5310MHz	Pass	AV	15.91566G	48.50	54.00	-5.50	15.85	3	Vertical	328	1.91	-
5310MHz	Pass	PK	15.91536G	58.41	74.00	-15.59	15.85	3	Vertical	328	1.91	-
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.134G	53.71	54.00	-0.29	4.77	3	Horizontal	332	1.50	-
5210MHz	Pass	AV	5.1775G	91.61	Inf	-Inf	4.83	3	Horizontal	332	1.50	-
5210MHz	Pass	AV	5.451G	47.88	54.00	-6.12	5.20	3	Horizontal	332	1.50	-
5210MHz	Pass	PK	5.135G	69.90	74.00	-4.10	4.77	3	Horizontal	332	1.50	-
5210MHz	Pass	PK	5.183G	107.04	Inf	-Inf	4.84	3	Horizontal	332	1.50	-
5210MHz	Pass	PK	5.4535G	59.04	74.00	-14.96	5.20	3	Horizontal	332	1.50	-
5210MHz	Pass	AV	5.1455G	53.52	54.00	-0.48	4.78	3	Vertical	342	1.51	-
5210MHz	Pass	AV	5.2015G	91.62	Inf	-Inf	4.86	3	Vertical	342	1.51	-
5210MHz	Pass	AV	5.4145G	47.89	54.00	-6.11	5.15	3	Vertical	342	1.51	-
5210MHz	Pass	PK	5.1335G	68.25	74.00	-5.75	4.77	3	Vertical	342	1.51	-
5210MHz	Pass	PK	5.1885G	102.26	Inf	-Inf	4.84	3	Vertical	342	1.51	-
5210MHz	Pass	PK	5.456G	59.15	74.00	-14.85	5.20	3	Vertical	342	1.51	-



**RSE TX above 1GHz Result (Antenna Gain 10 dBi)
Beamforming**

Appendix E.1

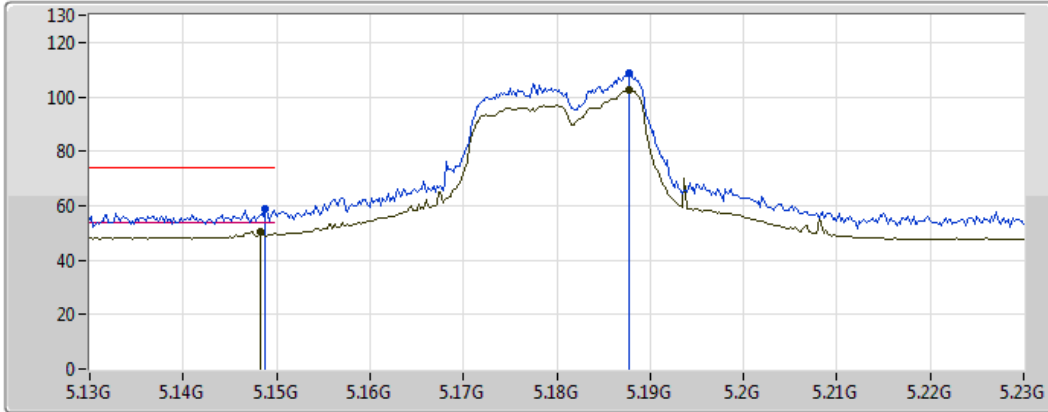
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	AV	15.6156G	49.28	54.00	-4.72	16.89	3	Horizontal	15	2.41	-
5210MHz	Pass	PK	15.6273G	59.62	74.00	-14.38	16.85	3	Horizontal	15	2.41	-
5210MHz	Pass	AV	15.62376G	48.85	54.00	-5.15	16.86	3	Vertical	14	1.97	-
5210MHz	Pass	PK	15.62316G	59.20	74.00	-14.80	16.86	3	Vertical	14	1.97	-
5290MHz	Pass	AV	5.1425G	48.63	54.00	-5.37	4.78	3	Horizontal	337	1.00	-
5290MHz	Pass	AV	5.2885G	89.15	Inf	-Inf	4.98	3	Horizontal	337	1.00	-
5290MHz	Pass	AV	5.3505G	50.70	54.00	-3.30	5.06	3	Horizontal	337	1.00	-
5290MHz	Pass	PK	5.1025G	58.96	74.00	-15.04	4.72	3	Horizontal	337	1.00	-
5290MHz	Pass	PK	5.263G	101.35	Inf	-Inf	4.94	3	Horizontal	337	1.00	-
5290MHz	Pass	PK	5.353G	61.73	74.00	-12.27	5.06	3	Horizontal	337	1.00	-
5290MHz	Pass	PK	5.5235G	58.92	68.20	-9.28	5.32	3	Horizontal	337	1.00	-
5290MHz	Pass	AV	5.1355G	48.75	54.00	-5.25	4.77	3	Vertical	354	1.50	-
5290MHz	Pass	AV	5.2645G	98.94	Inf	-Inf	4.94	3	Vertical	354	1.50	-
5290MHz	Pass	AV	5.3565G	51.98	54.00	-2.02	5.07	3	Vertical	354	1.50	-
5290MHz	Pass	PK	5.119G	58.88	74.00	-15.12	4.75	3	Vertical	354	1.50	-
5290MHz	Pass	PK	5.2655G	104.35	Inf	-Inf	4.95	3	Vertical	354	1.50	-
5290MHz	Pass	PK	5.355G	62.93	74.00	-11.07	5.07	3	Vertical	360	1.50	-
5290MHz	Pass	PK	5.5085G	60.03	68.20	-8.17	5.28	3	Vertical	354	1.50	-
5290MHz	Pass	AV	15.8715G	48.29	54.00	-5.71	16.00	3	Horizontal	158	2.28	-
5290MHz	Pass	PK	15.8823G	58.79	74.00	-15.21	15.97	3	Horizontal	158	2.28	-
5290MHz	Pass	AV	15.87264G	48.83	54.00	-5.17	16.00	3	Vertical	360	2.38	-
5290MHz	Pass	PK	15.87114G	59.37	74.00	-14.63	16.01	3	Vertical	360	2.38	-



802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_BF

12/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

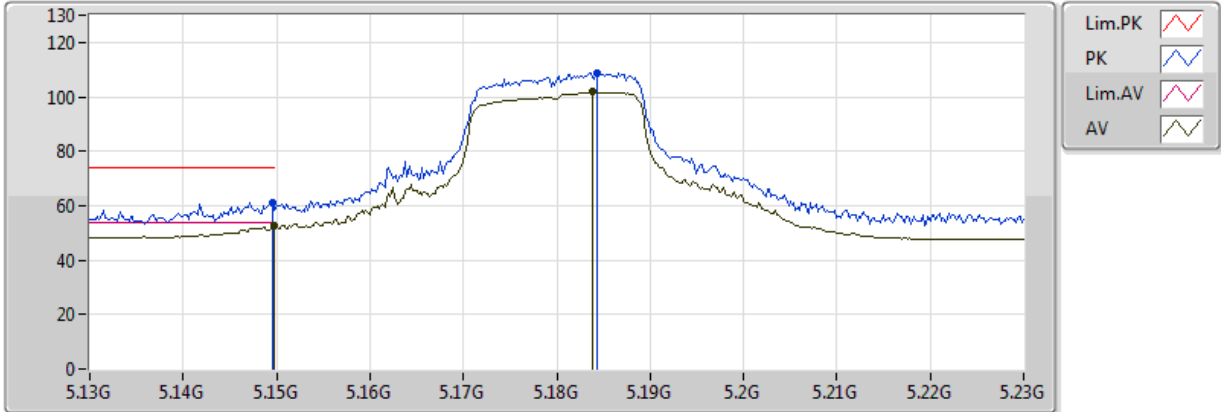
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1482G	50.27	54.00	-3.73	4.79	3	Vertical	264	1.23	-	45.48	31.62	8.37	35.21
AV	5.1878G	102.33	Inf	-Inf	4.84	3	Vertical	264	1.23	-	97.48	31.65	8.39	35.20
PK	5.1488G	58.74	74.00	-15.26	4.79	3	Vertical	264	1.23	-	53.95	31.62	8.37	35.21
PK	5.1878G	108.84	Inf	-Inf	4.84	3	Vertical	264	1.23	-	104.00	31.65	8.39	35.20



802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_BF

12/01/2018



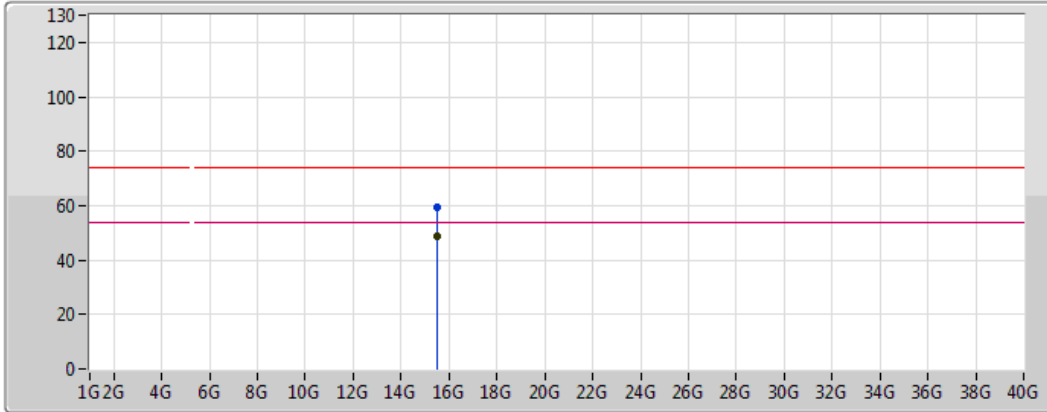
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1498G	52.95	54.00	-1.05	4.79	3	Horizontal	224	1.33	-	48.16	31.62	8.37	35.21
AV	5.1838G	101.72	Inf	-Inf	4.84	3	Horizontal	224	1.33	-	96.88	31.65	8.39	35.20
PK	5.1496G	61.23	74.00	-12.77	4.79	3	Horizontal	224	1.33	-	56.44	31.62	8.37	35.21
PK	5.1844G	108.71	Inf	-Inf	4.84	3	Horizontal	224	1.33	-	103.88	31.65	8.39	35.20



802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

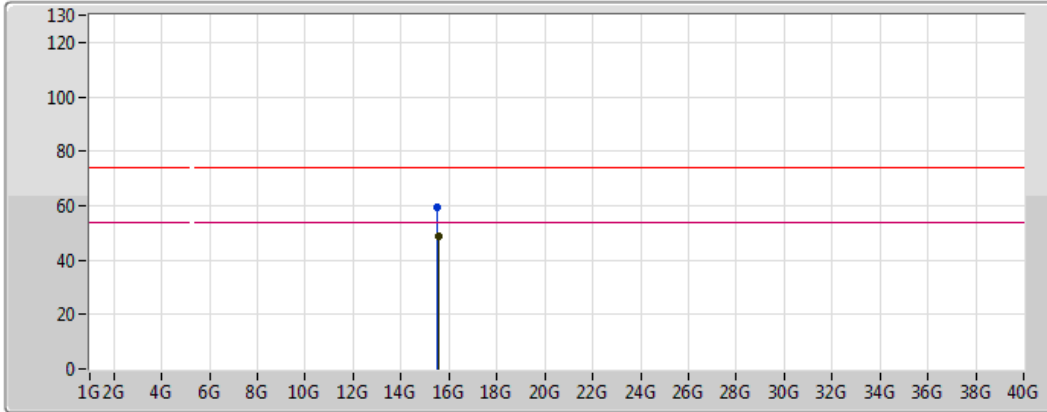
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.53615G	48.73	54.00	-5.27	17.15	3	Vertical	28	1.62	-	31.58	38.86	13.72	35.43
PK	15.53647G	59.31	74.00	-14.69	17.15	3	Vertical	28	1.62	-	42.16	38.86	13.72	35.43



802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Pink line with a peak icon
- AV: Green line with a peak icon

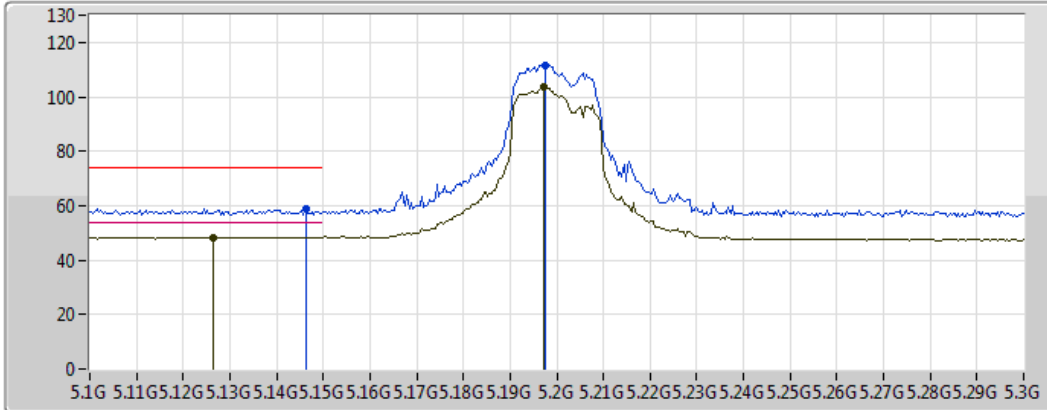
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.54042G	48.98	54.00	-5.02	17.15	3	Horizontal	320	1.30	-	31.83	38.86	13.72	35.43
PK	15.53178G	59.51	74.00	-14.49	17.18	3	Horizontal	320	1.30	-	42.33	38.89	13.71	35.42



802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_BF

09/01/2018



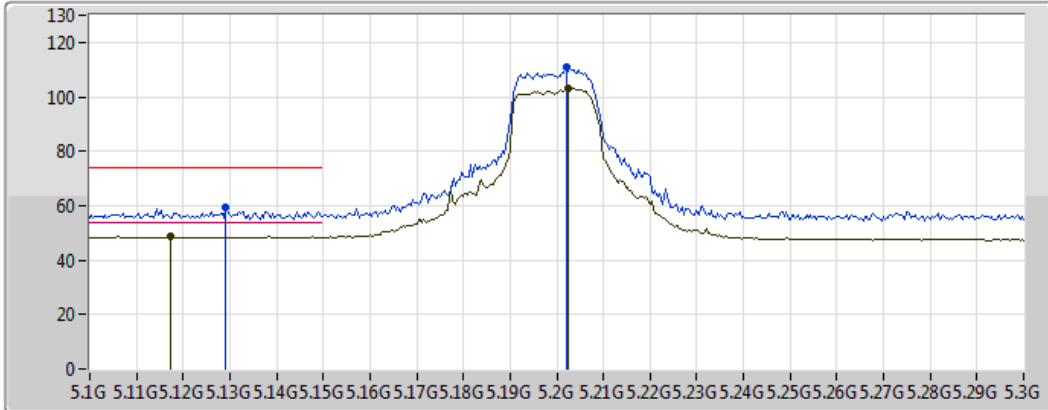
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1264G	48.40	54.00	-5.60	4.76	3	Vertical	356	1.49	-	43.64	31.60	8.36	35.21
AV	5.1972G	103.85	Inf	-Inf	4.86	3	Vertical	356	1.49	-	98.99	31.66	8.40	35.20
PK	5.1464G	58.77	74.00	-15.23	4.78	3	Vertical	356	1.49	-	53.99	31.62	8.37	35.21
PK	5.1976G	111.78	Inf	-Inf	4.86	3	Vertical	356	1.49	-	106.92	31.66	8.40	35.20



802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_BF

09/01/2018



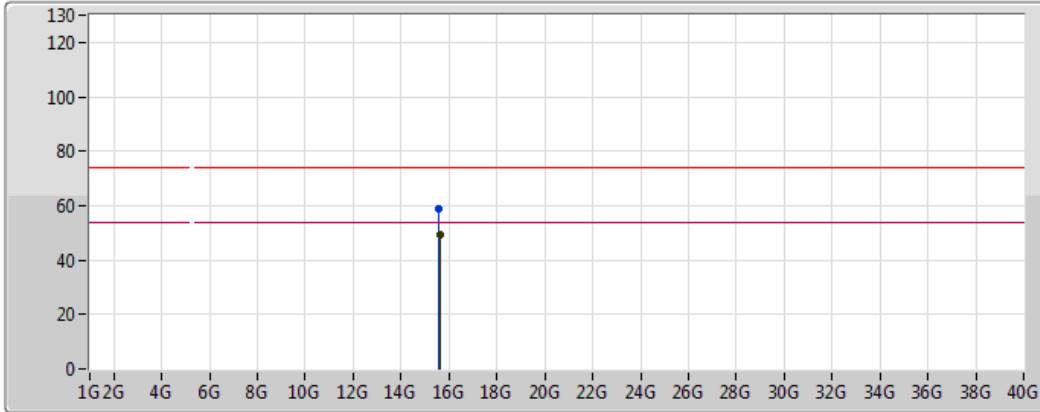
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1172G	48.64	54.00	-5.36	4.74	3	Horizontal	328	3.20	-	43.89	31.59	8.36	35.21
AV	5.2024G	103.25	Inf	-Inf	4.86	3	Horizontal	328	3.20	-	98.38	31.66	8.40	35.20
PK	5.1292G	59.19	74.00	-14.81	4.76	3	Horizontal	328	3.20	-	54.43	31.60	8.36	35.21
PK	5.202G	110.83	Inf	-Inf	4.86	3	Horizontal	328	3.20	-	105.97	31.66	8.40	35.20



802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

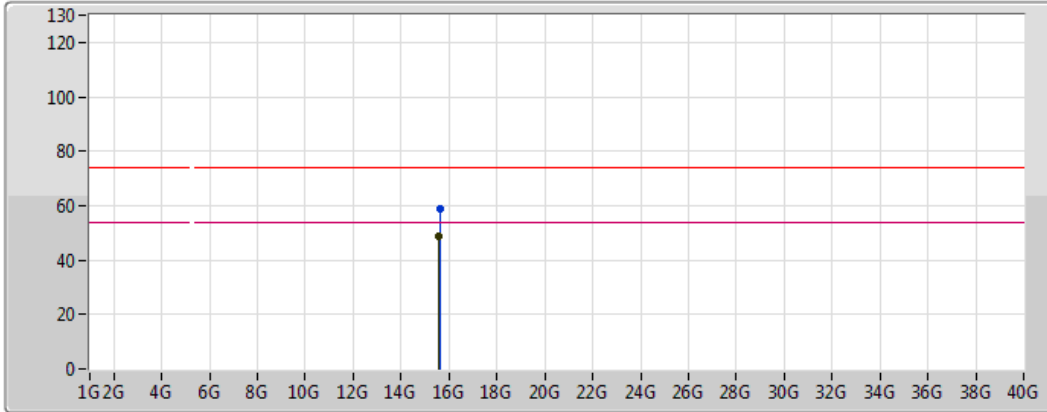
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.60162G	49.08	54.00	-4.92	16.94	3	Vertical	65	1.01	-	32.14	38.65	13.78	35.50
PK	15.59868G	58.85	74.00	-15.15	16.95	3	Vertical	65	1.01	-	41.90	38.66	13.78	35.50



802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

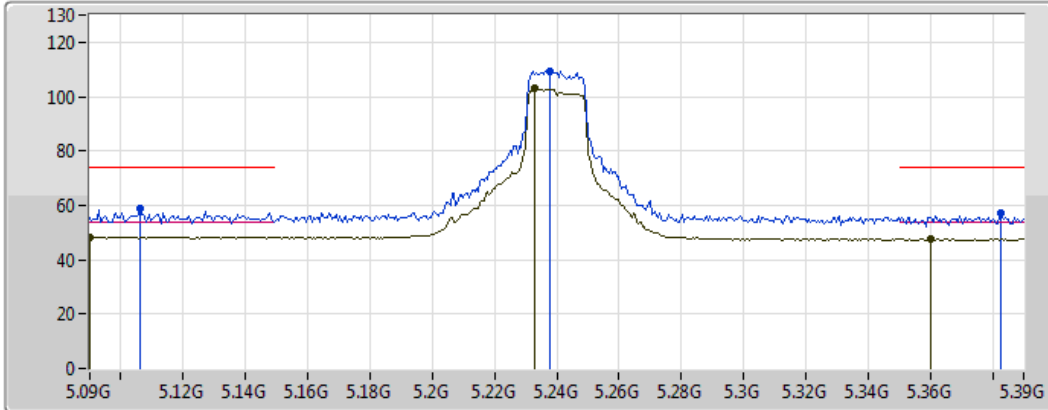
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.59478G	49.01	54.00	-4.99	16.96	3	Horizontal	117	1.44	-	32.05	38.68	13.78	35.49
PK	15.60192G	59.08	74.00	-14.92	16.94	3	Horizontal	117	1.44	-	42.14	38.65	13.78	35.50



802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Green line with a peak icon
- AV: Black line with a peak icon

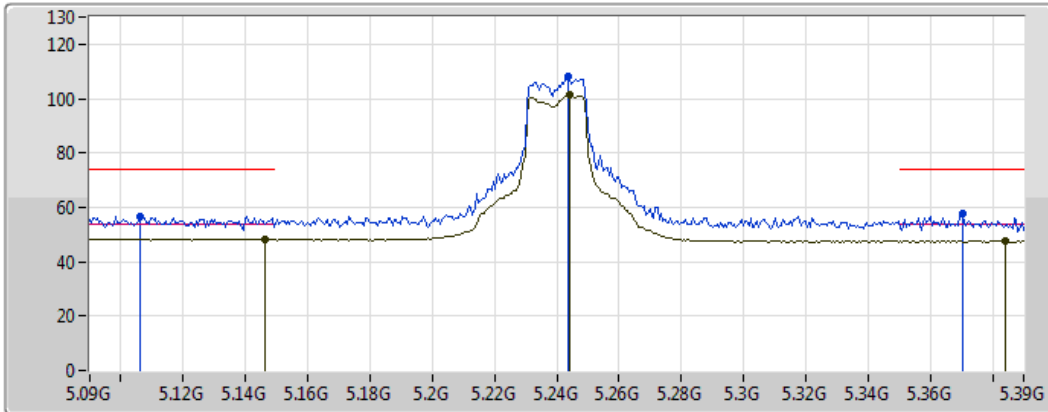
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.09G	48.39	54.00	-5.61	4.71	3	Vertical	347	1.49	-	43.68	31.57	8.35	35.21
AV	5.2328G	102.85	Inf	-Inf	4.90	3	Vertical	347	1.49	-	97.94	31.69	8.41	35.20
AV	5.36G	47.54	54.00	-6.46	5.07	3	Vertical	347	1.49	-	42.47	31.79	8.47	35.18
PK	5.1062G	58.66	74.00	-15.34	4.73	3	Vertical	347	1.49	-	53.93	31.58	8.35	35.21
PK	5.2376G	109.35	Inf	-Inf	4.91	3	Vertical	347	1.49	-	104.44	31.69	8.42	35.20
PK	5.3828G	57.33	74.00	-16.67	5.11	3	Vertical	347	1.49	-	52.22	31.81	8.48	35.18



802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Red line with a peak icon
- AV: Green line with a peak icon

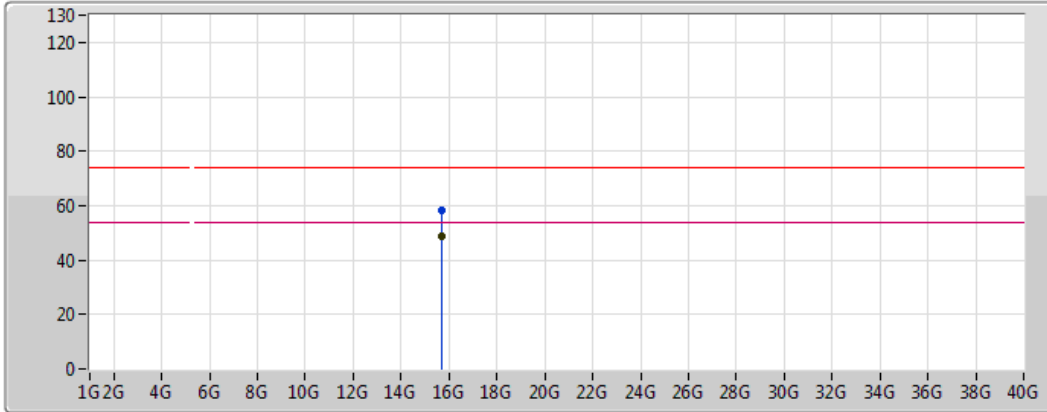
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1464G	48.42	54.00	-5.58	4.78	3	Horizontal	336	1.00	-	43.63	31.62	8.37	35.21
AV	5.2442G	101.23	Inf	-Inf	4.92	3	Horizontal	336	1.00	-	96.31	31.70	8.42	35.20
AV	5.384G	47.71	54.00	-6.29	5.11	3	Horizontal	336	1.00	-	42.60	31.81	8.48	35.18
PK	5.1062G	56.77	74.00	-17.23	4.73	3	Horizontal	336	1.00	-	52.05	31.58	8.35	35.21
PK	5.2436G	108.40	Inf	-Inf	4.92	3	Horizontal	336	1.00	-	103.48	31.69	8.42	35.20
PK	5.3702G	57.44	74.00	-16.56	5.09	3	Horizontal	336	1.00	-	52.35	31.80	8.48	35.18



802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_BF

09/01/2018



Lim.PK	
PK	
Lim.AV	
AV	

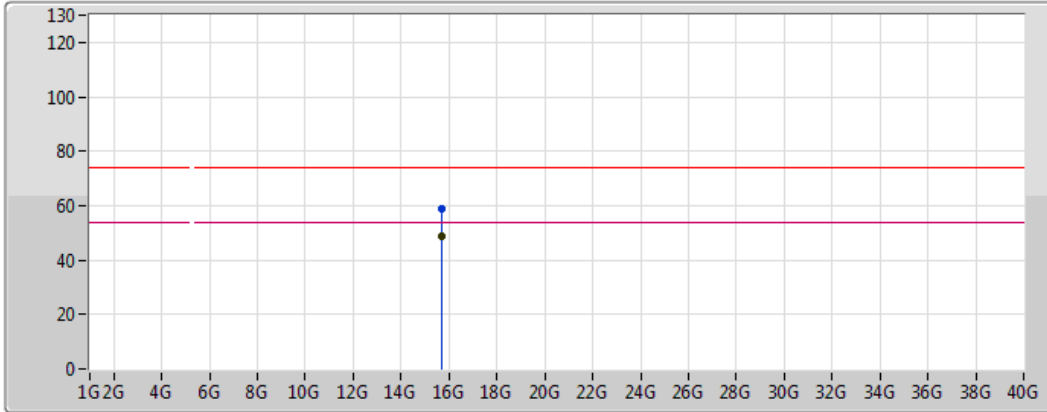
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AV	15.7068G	48.55	54.00	-5.45	16.57	3	Vertical	120	1.50	-	31.98	38.30	13.90	35.62
PK	15.72138G	58.48	74.00	-15.52	16.52	3	Vertical	120	1.50	-	41.96	38.25	13.91	35.64



802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

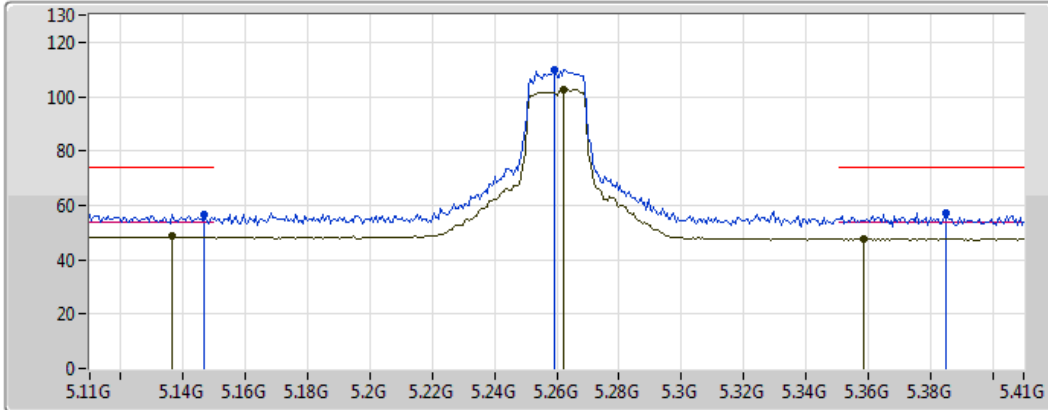
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.70866G	48.85	54.00	-5.15	16.57	3	Horizontal	19	1.50	-	32.28	38.29	13.90	35.62
PK	15.7158G	59.05	74.00	-14.95	16.54	3	Horizontal	19	1.50	-	42.51	38.27	13.91	35.63



802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_BF

09/01/2018



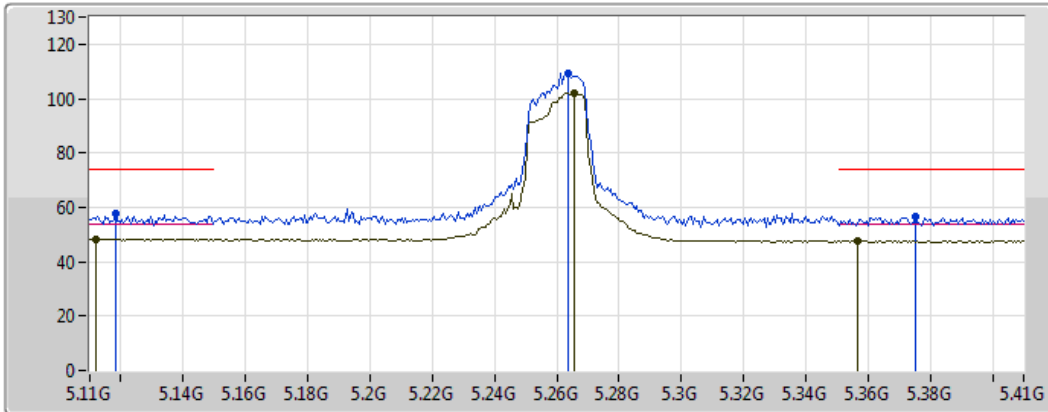
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1364G	48.56	54.00	-5.44	4.77	3	Vertical	344	1.48	-	43.78	31.61	8.37	35.21
AV	5.2624G	102.74	Inf	-Inf	4.94	3	Vertical	344	1.48	-	97.80	31.71	8.42	35.19
AV	5.3584G	47.81	54.00	-6.19	5.07	3	Vertical	344	1.48	-	42.74	31.79	8.47	35.18
PK	5.1466G	56.52	74.00	-17.48	4.79	3	Vertical	344	1.48	-	51.74	31.62	8.37	35.21
PK	5.2594G	109.64	Inf	-Inf	4.94	3	Vertical	344	1.48	-	104.71	31.71	8.42	35.19
PK	5.3848G	57.42	74.00	-16.58	5.11	3	Vertical	344	1.48	-	52.31	31.81	8.48	35.18



802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_BF

09/01/2018



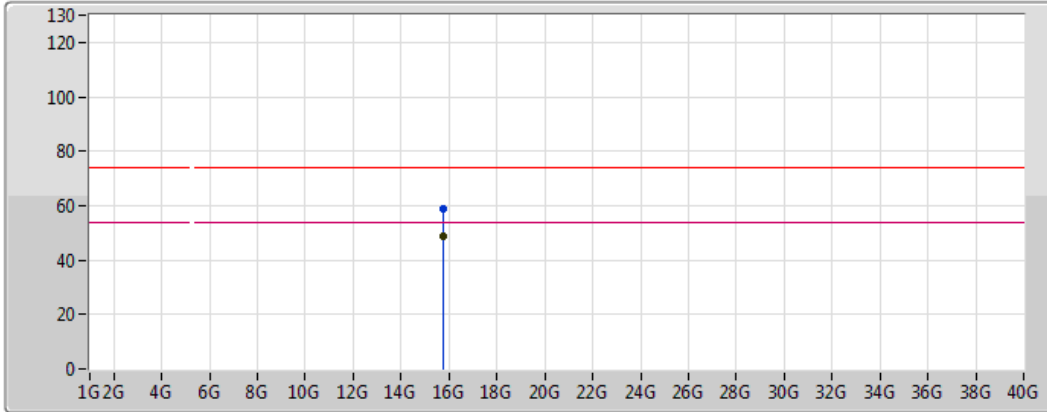
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1118G	48.31	54.00	-5.69	4.74	3	Horizontal	333	1.84	-	43.57	31.59	8.36	35.21
AV	5.2654G	101.85	Inf	-Inf	4.95	3	Horizontal	333	1.84	-	96.91	31.71	8.43	35.19
AV	5.3566G	47.67	54.00	-6.33	5.07	3	Horizontal	333	1.84	-	42.60	31.79	8.47	35.18
PK	5.1184G	57.46	74.00	-16.54	4.75	3	Horizontal	333	1.84	-	52.72	31.59	8.36	35.21
PK	5.2636G	109.46	Inf	-Inf	4.94	3	Horizontal	333	1.84	-	104.52	31.71	8.43	35.19
PK	5.3752G	56.42	74.00	-17.58	5.10	3	Horizontal	333	1.84	-	51.32	31.80	8.48	35.18



802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

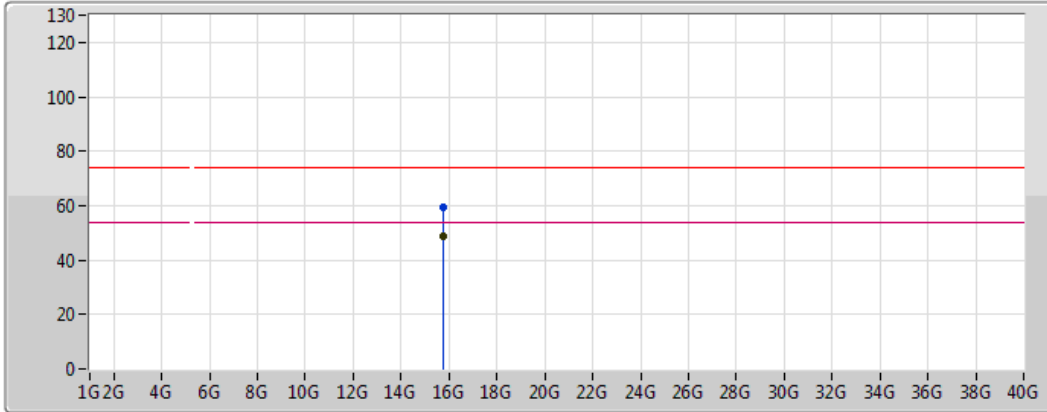
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.77208G	48.77	54.00	-5.23	16.35	3	Vertical	353	1.38	-	32.42	38.07	13.97	35.69
PK	15.77514G	58.72	74.00	-15.28	16.34	3	Vertical	353	1.38	-	42.38	38.06	13.97	35.70



802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK: Red line with a red zigzag icon
- PK: Blue line with a blue zigzag icon
- Lim.AV: Pink line with a pink zigzag icon
- AV: Black line with a black zigzag icon

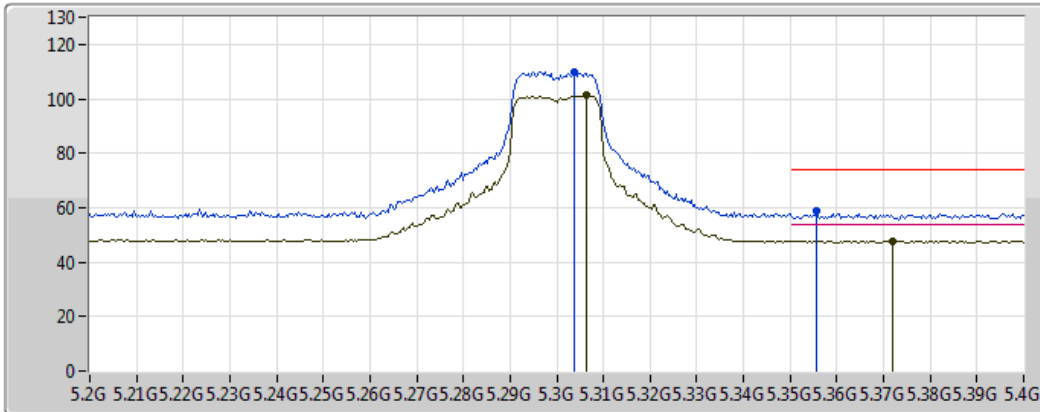
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.77802G	48.73	54.00	-5.27	16.33	3	Horizontal	310	1.18	-	32.40	38.05	13.97	35.70
PK	15.77574G	59.15	74.00	-14.85	16.34	3	Horizontal	310	1.18	-	42.81	38.06	13.97	35.70



802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_BF

09/01/2018



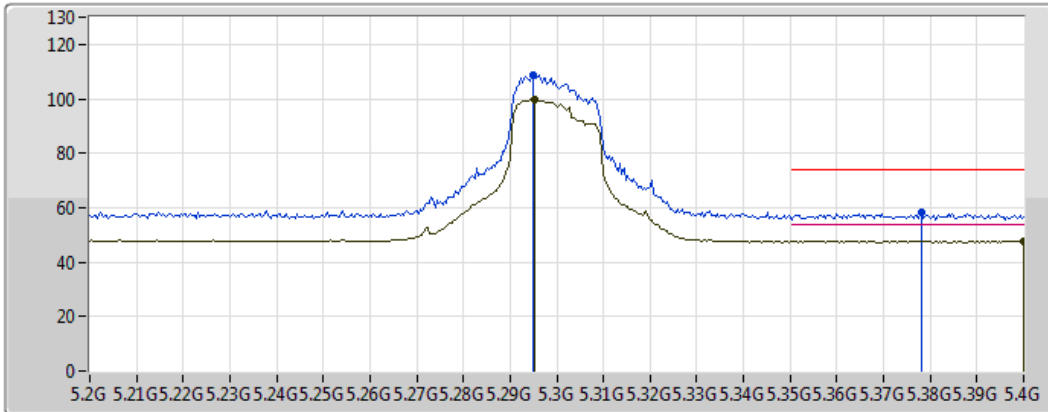
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3064G	101.32	Inf	-Inf	5.00	3	Vertical	345	1.50	-	96.32	31.75	8.44	35.19
AV	5.372G	47.73	54.00	-6.27	5.09	3	Vertical	345	1.50	-	42.64	31.80	8.48	35.18
PK	5.3036G	110.00	Inf	-Inf	5.00	3	Vertical	345	1.50	-	105.01	31.74	8.44	35.19
PK	5.3556G	58.89	74.00	-15.11	5.07	3	Vertical	345	1.50	-	53.82	31.78	8.47	35.18



802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

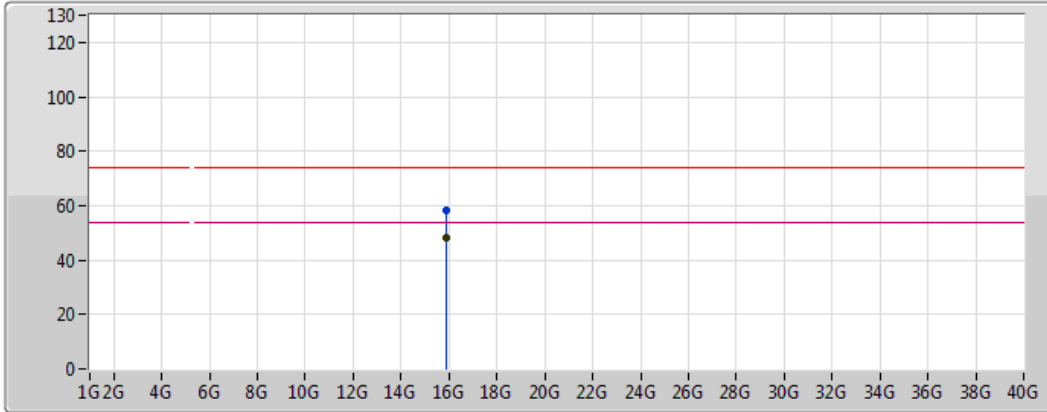
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2952G	99.89	Inf	-Inf	4.98	3	Horizontal	7	1.50	-	94.90	31.74	8.44	35.19
AV	5.4G	47.74	54.00	-6.26	5.13	3	Horizontal	7	1.50	-	42.61	31.82	8.49	35.18
PK	5.2948G	108.74	Inf	-Inf	4.98	3	Horizontal	7	1.50	-	103.76	31.74	8.44	35.19
PK	5.378G	58.11	74.00	-15.89	5.10	3	Horizontal	7	1.50	-	53.01	31.80	8.48	35.18



802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Pink line with a peak icon
- AV: Black line with a peak icon

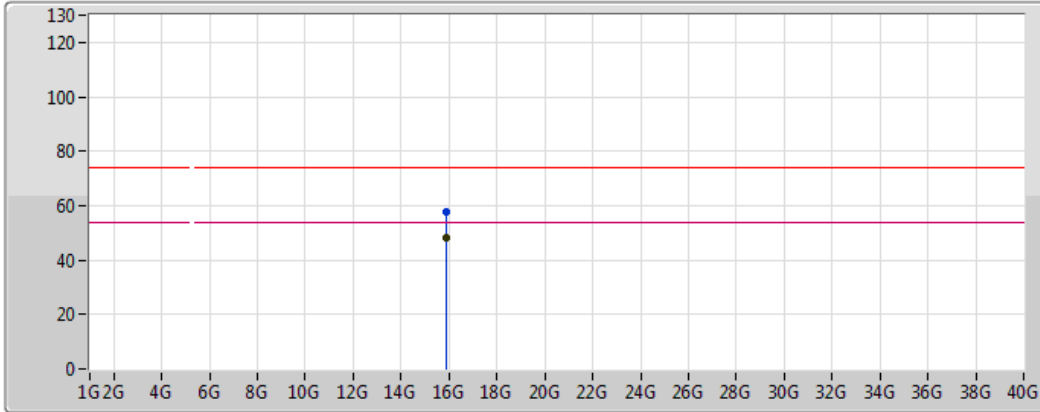
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.90606G	48.22	54.00	-5.78	15.89	3	Vertical	324	1.29	-	32.33	37.62	14.11	35.84
PK	15.88788G	58.35	74.00	-15.65	15.95	3	Vertical	324	1.29	-	42.40	37.68	14.09	35.82



802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

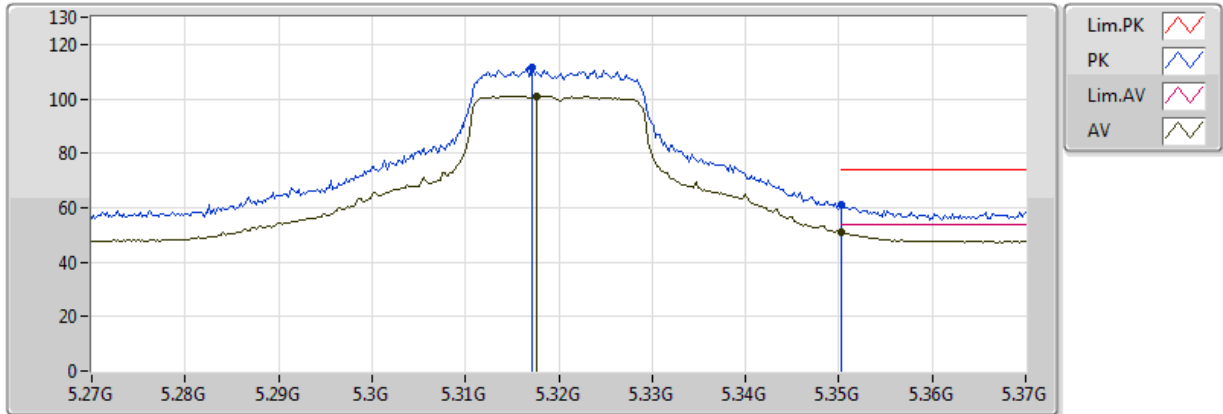
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.88518G	48.16	54.00	-5.84	15.96	3	Horizontal	359	1.88	-	32.20	37.69	14.09	35.82
PK	15.88914G	57.88	74.00	-16.12	15.94	3	Horizontal	359	1.88	-	41.94	37.68	14.09	35.82



802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_BF

09/01/2018



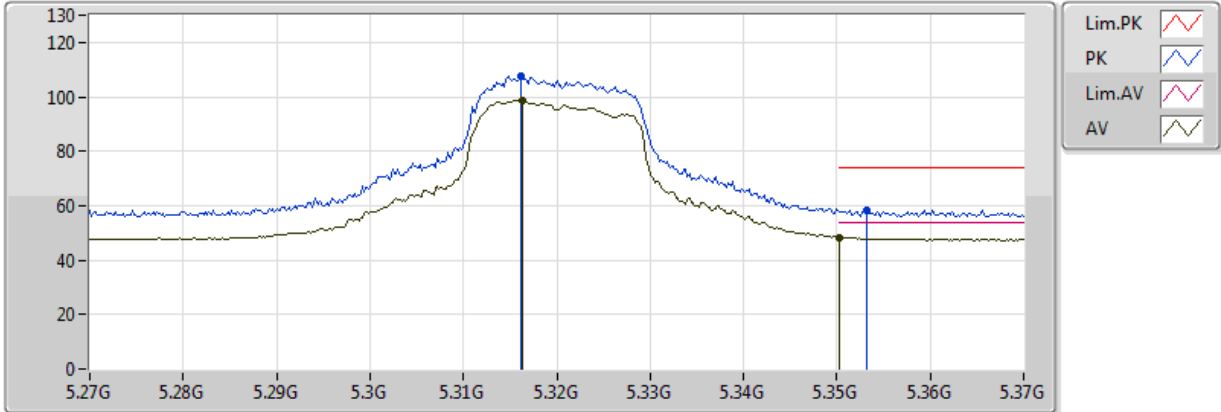
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3176G	100.97	Inf	-Inf	5.01	3	Vertical	352	1.46	-	95.95	31.75	8.45	35.19
AV	5.3502G	50.83	54.00	-3.17	5.06	3	Vertical	352	1.46	-	45.77	31.78	8.47	35.18
PK	5.3172G	111.61	Inf	-Inf	5.01	3	Vertical	352	1.46	-	106.60	31.75	8.45	35.19
PK	5.3502G	60.96	74.00	-13.04	5.06	3	Vertical	352	1.46	-	55.90	31.78	8.47	35.18



802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_BF

09/01/2018



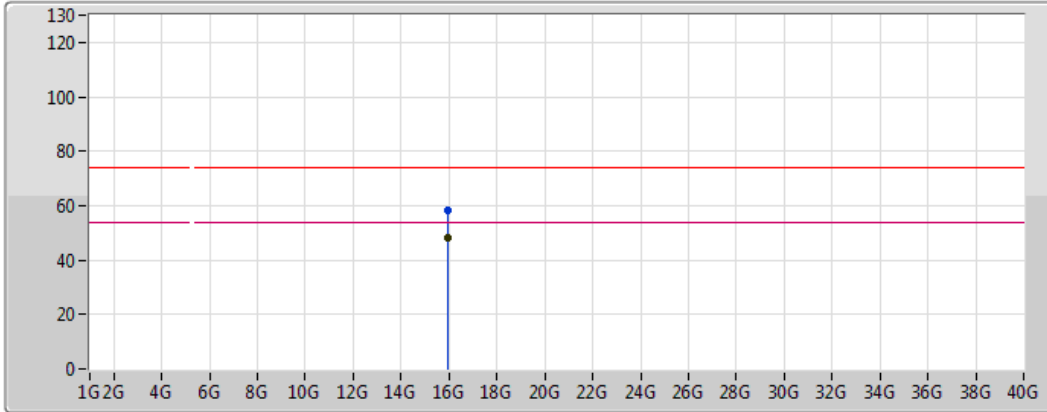
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3164G	98.85	Inf	-Inf	5.01	3	Horizontal	330	1.47	-	93.83	31.75	8.45	35.19
AV	5.3502G	48.41	54.00	-5.59	5.06	3	Horizontal	330	1.47	-	43.35	31.78	8.47	35.18
PK	5.3162G	107.55	Inf	-Inf	5.01	3	Horizontal	330	1.47	-	102.53	31.75	8.45	35.19
PK	5.3532G	58.40	74.00	-15.60	5.06	3	Horizontal	330	1.47	-	53.34	31.78	8.47	35.18



802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK: Red line with a checkmark icon
- PK: Blue line with a checkmark icon
- Lim.AV: Pink line with a checkmark icon
- AV: Black line with a checkmark icon

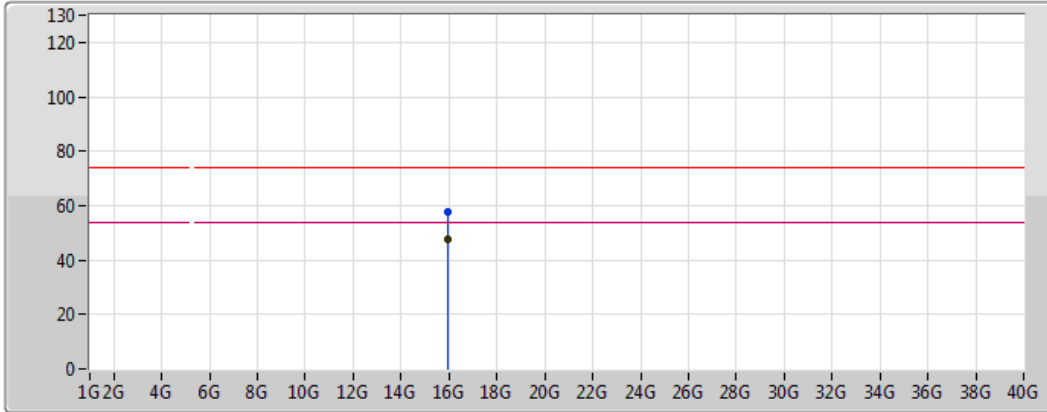
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.96972G	48.09	54.00	-5.91	15.66	3	Vertical	270	1.03	-	32.42	37.40	14.18	35.92
PK	15.95952G	58.35	74.00	-15.65	15.70	3	Vertical	270	1.03	-	42.65	37.44	14.17	35.90



802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_BF

09/01/2018



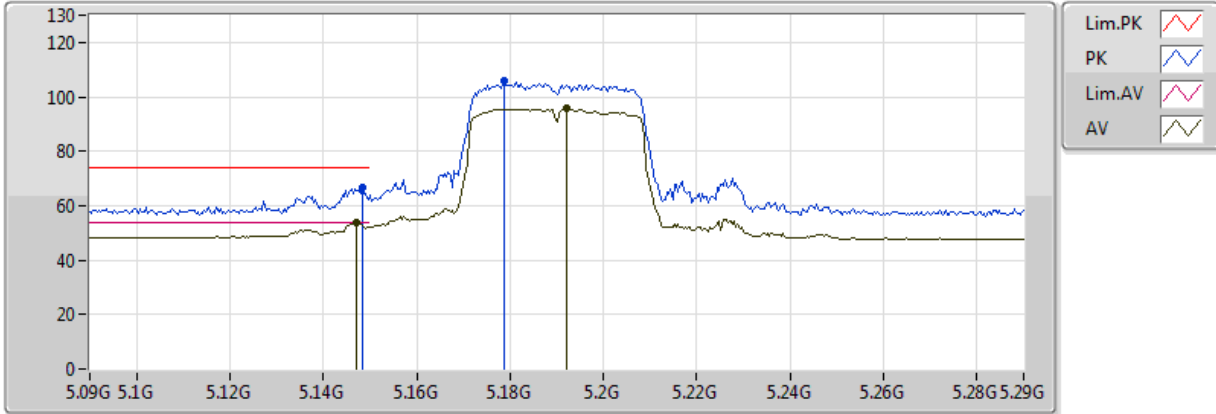
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.96738G	47.83	54.00	-6.17	15.67	3	Horizontal	299	1.76	-	32.15	37.41	14.18	35.91
PK	15.96918G	57.58	74.00	-16.42	15.67	3	Horizontal	299	1.76	-	41.91	37.40	14.18	35.92



802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_BF

09/01/2018



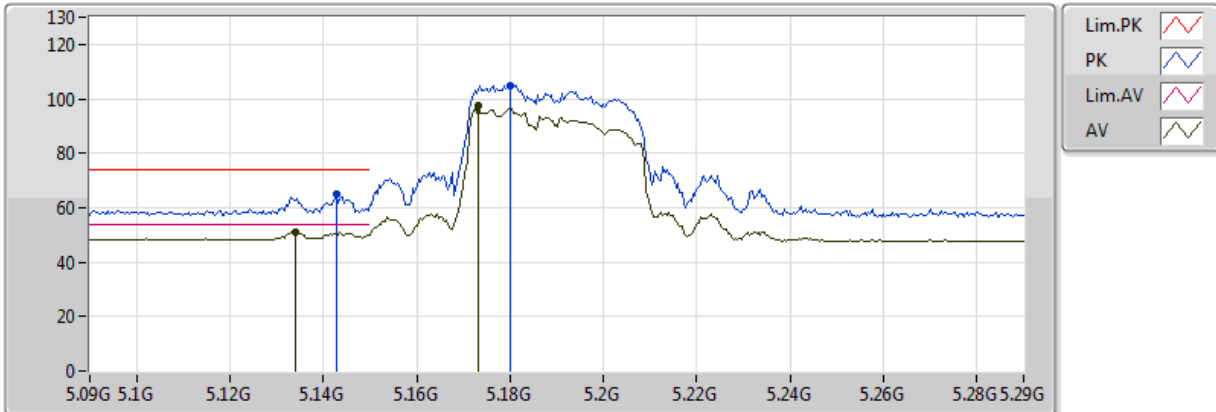
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1472G	53.81	54.00	-0.19	4.79	3	Vertical	345	1.50	-	49.03	31.62	8.37	35.21
AV	5.192G	95.59	Inf	-Inf	4.85	3	Vertical	345	1.50	-	90.74	31.65	8.40	35.20
PK	5.1484G	66.92	74.00	-7.08	4.79	3	Vertical	345	1.50	-	62.13	31.62	8.37	35.21
PK	5.1788G	105.64	Inf	-Inf	4.83	3	Vertical	345	1.50	-	100.81	31.64	8.39	35.20



802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_BF

09/01/2018



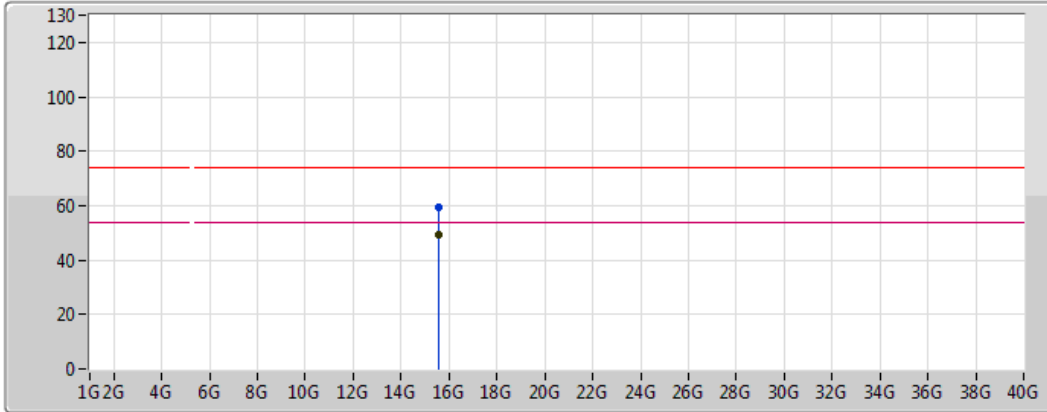
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.134G	51.03	54.00	-2.97	4.77	3	Horizontal	21	1.47	-	46.27	31.61	8.37	35.21
AV	5.1732G	97.43	Inf	-Inf	4.82	3	Horizontal	21	1.47	-	92.61	31.64	8.39	35.20
PK	5.1428G	65.03	74.00	-8.97	4.78	3	Horizontal	21	1.47	-	60.25	31.61	8.37	35.21
PK	5.18G	105.02	Inf	-Inf	4.83	3	Horizontal	21	1.47	-	100.19	31.64	8.39	35.20



802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

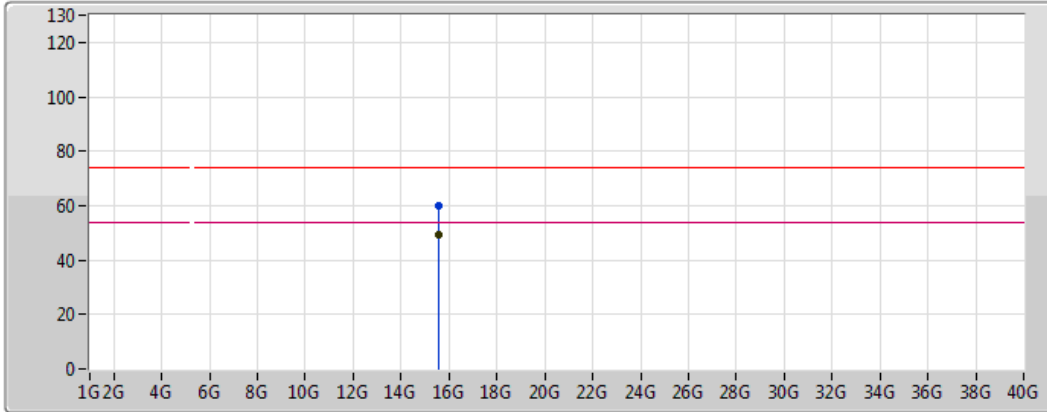
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.58104G	49.26	54.00	-4.74	17.01	3	Vertical	293	2.00	-	32.25	38.72	13.76	35.48
PK	15.55788G	59.38	74.00	-14.62	17.09	3	Vertical	293	2.00	-	42.29	38.80	13.74	35.45



802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

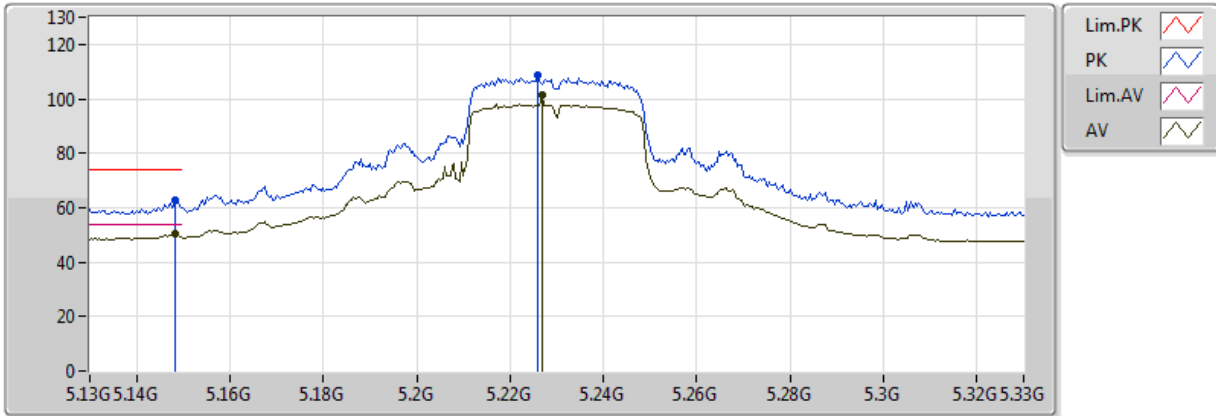
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.57564G	49.37	54.00	-4.63	17.03	3	Horizontal	128	1.04	-	32.34	38.74	13.76	35.47
PK	15.58212G	59.84	74.00	-14.16	17.01	3	Horizontal	128	1.04	-	42.84	38.72	13.76	35.48



802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_BF

09/01/2018



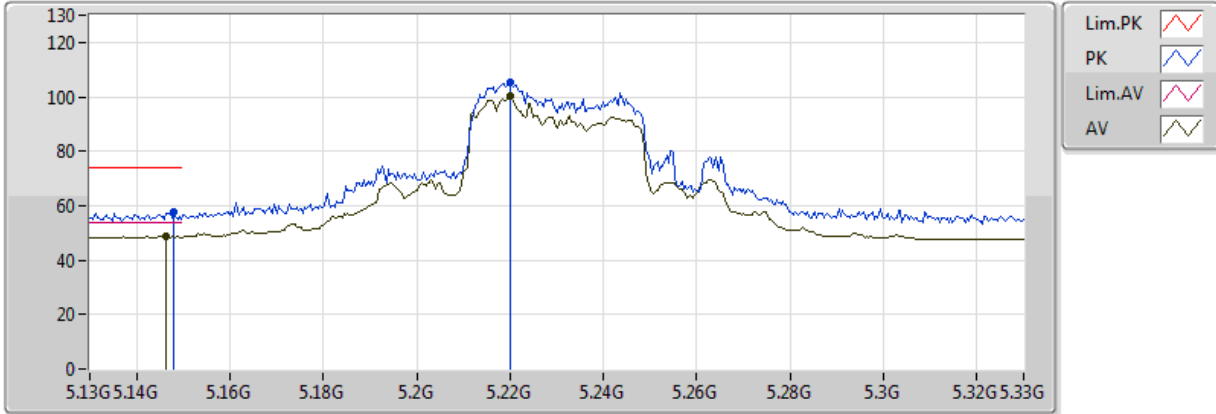
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1484G	50.30	54.00	-3.70	4.79	3	Vertical	24	1.46	-	45.51	31.62	8.37	35.21
AV	5.2268G	101.20	Inf	-Inf	4.89	3	Vertical	24	1.46	-	96.31	31.68	8.41	35.20
PK	5.1484G	62.79	74.00	-11.21	4.79	3	Vertical	24	1.46	-	58.01	31.62	8.37	35.21
PK	5.226G	108.59	Inf	-Inf	4.89	3	Vertical	24	1.46	-	103.70	31.68	8.41	35.20



802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_BF

09/01/2018



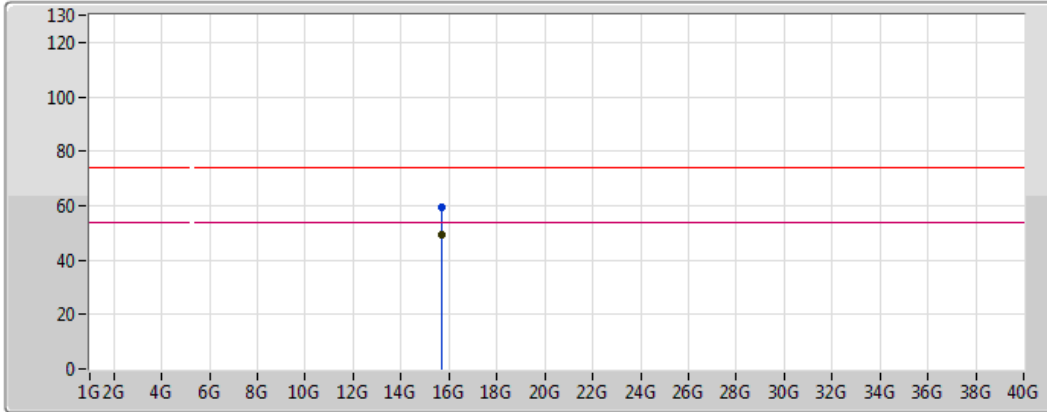
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1464G	48.61	54.00	-5.39	4.78	3	Horizontal	2	1.50	-	43.82	31.62	8.37	35.21
AV	5.22G	100.26	Inf	-Inf	4.89	3	Horizontal	2	1.50	-	95.38	31.68	8.41	35.20
PK	5.148G	57.90	74.00	-16.10	4.79	3	Horizontal	2	1.50	-	53.11	31.62	8.37	35.21
PK	5.22G	105.12	Inf	-Inf	4.89	3	Horizontal	2	1.50	-	100.24	31.68	8.41	35.20



802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Pink line with a peak icon
- AV: Black line with a peak icon

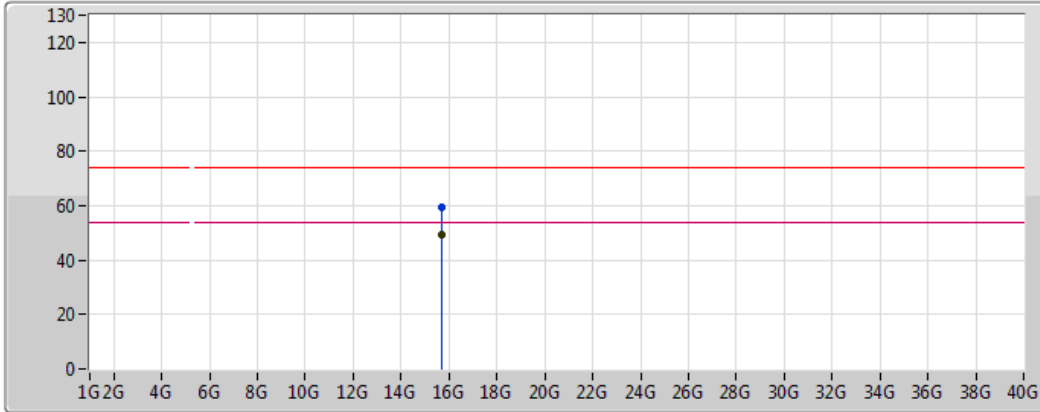
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.705G	49.29	54.00	-4.71	16.58	3	Vertical	81	1.48	-	32.71	38.30	13.89	35.62
PK	15.69708G	59.46	74.00	-14.54	16.61	3	Vertical	81	1.48	-	42.85	38.33	13.89	35.61



802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_BF

09/01/2018



Lim.PK	
PK	
Lim.AV	
AV	

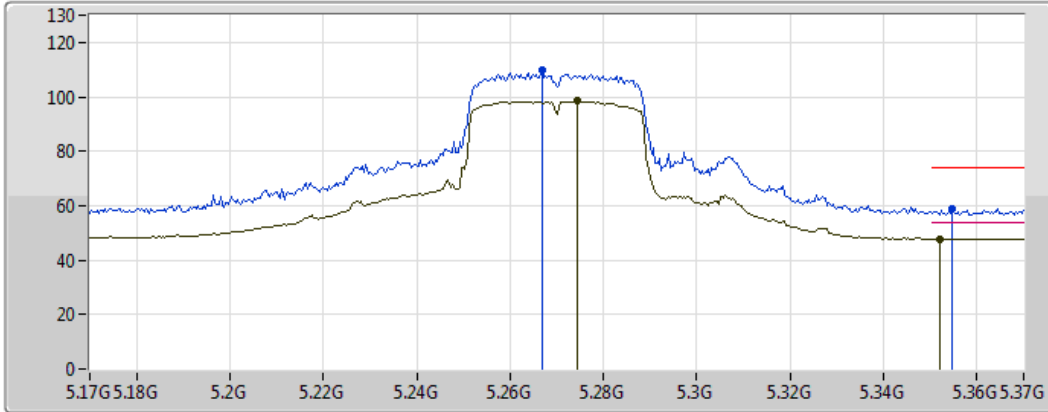
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.69216G	49.43	54.00	-4.57	16.63	3	Horizontal	215	1.59	-	32.80	38.35	13.88	35.60
PK	15.68196G	59.59	74.00	-14.41	16.66	3	Horizontal	215	1.59	-	42.93	38.38	13.87	35.59



802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_BF

09/01/2018



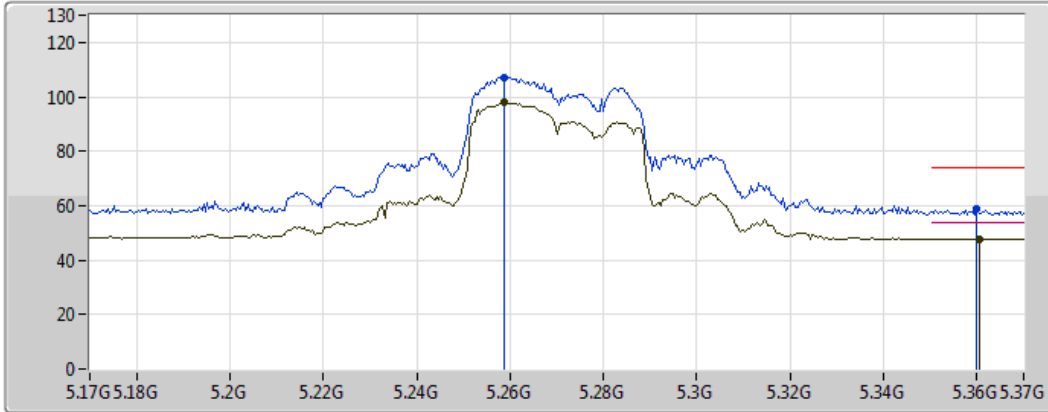
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2744G	98.39	Inf	-Inf	4.96	3	Vertical	350	1.51	-	93.43	31.72	8.43	35.19
AV	5.352G	47.83	54.00	-6.17	5.06	3	Vertical	350	1.51	-	42.77	31.78	8.47	35.18
PK	5.2668G	109.69	Inf	-Inf	4.95	3	Vertical	350	1.51	-	104.74	31.71	8.43	35.19
PK	5.3548G	58.71	74.00	-15.29	5.07	3	Vertical	350	1.51	-	53.64	31.78	8.47	35.18



802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_BF

09/01/2018



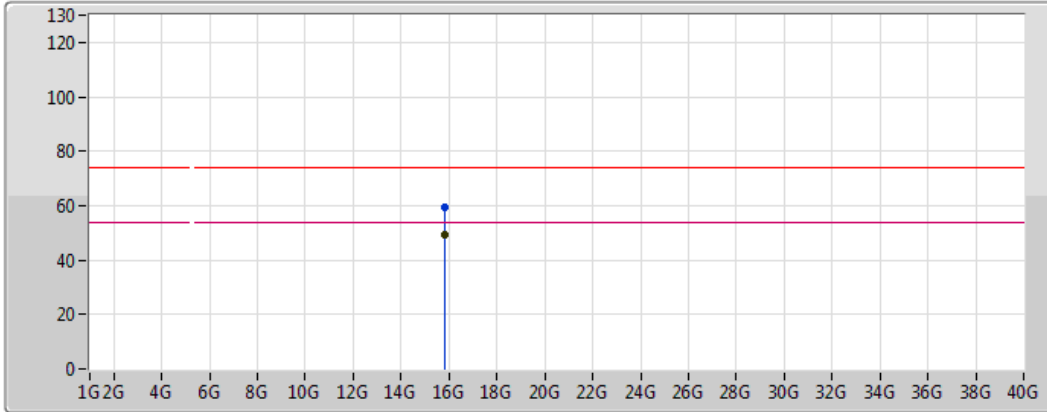
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2588G	97.83	Inf	-Inf	4.94	3	Horizontal	2	1.48	-	92.90	31.71	8.42	35.19
AV	5.3604G	47.83	54.00	-6.17	5.07	3	Horizontal	2	1.48	-	42.76	31.79	8.47	35.18
PK	5.2588G	107.29	Inf	-Inf	4.94	3	Horizontal	2	1.48	-	102.35	31.71	8.42	35.19
PK	5.36G	58.59	74.00	-15.41	5.07	3	Horizontal	2	1.48	-	53.52	31.79	8.47	35.18



802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

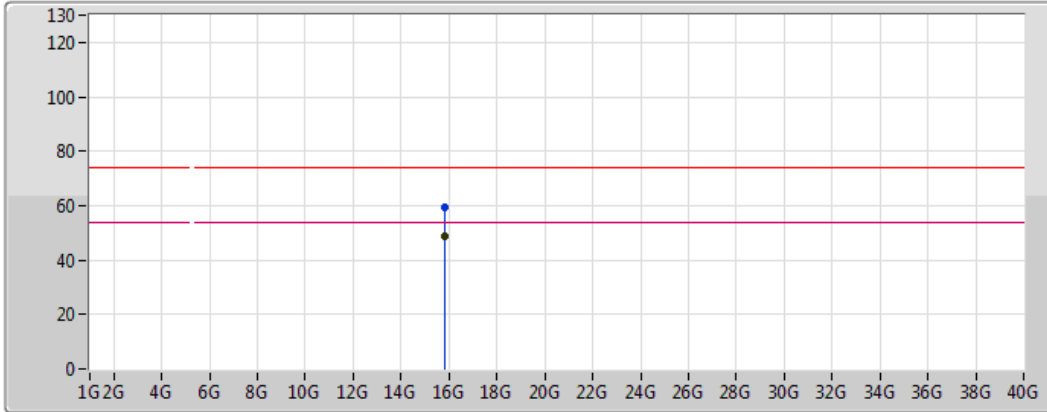
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.82272G	49.26	54.00	-4.74	16.17	3	Vertical	33	1.38	-	33.09	37.90	14.02	35.75
PK	15.80718G	59.19	74.00	-14.81	16.23	3	Vertical	33	1.38	-	42.96	37.96	14.00	35.73



802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Pink line with a peak icon
- AV: Black line with a peak icon

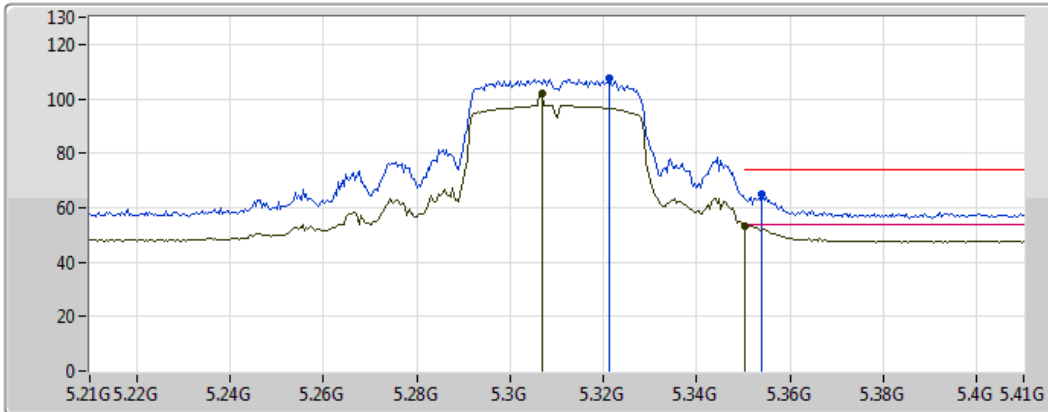
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AV	15.79776G	48.54	54.00	-5.46	16.26	3	Horizontal	37	1.45	-	32.28	37.99	13.99	35.72
PK	15.80832G	59.33	74.00	-14.67	16.22	3	Horizontal	37	1.45	-	43.11	37.95	14.00	35.73



802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_BF

09/01/2018



Lim.PK	
PK	
Lim.AV	
AV	

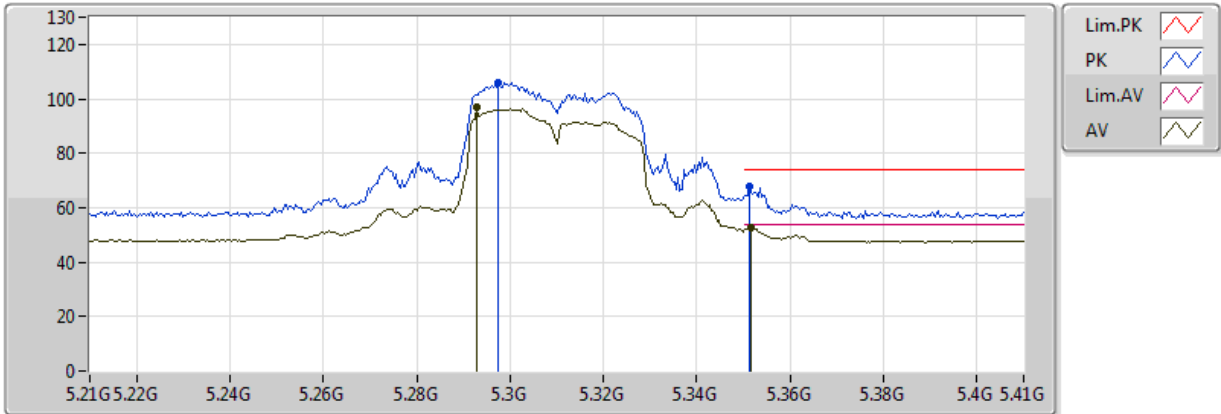
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3068G	102.06	Inf	-Inf	5.00	3	Vertical	352	1.50	-	97.06	31.75	8.44	35.19
AV	5.3504G	53.49	54.00	-0.51	5.06	3	Vertical	352	1.50	-	48.43	31.78	8.47	35.18
PK	5.3212G	107.41	Inf	-Inf	5.02	3	Vertical	352	1.50	-	102.39	31.76	8.45	35.19
PK	5.354G	65.00	74.00	-9.00	5.07	3	Vertical	352	1.50	-	59.93	31.78	8.47	35.18



802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_BF

09/01/2018



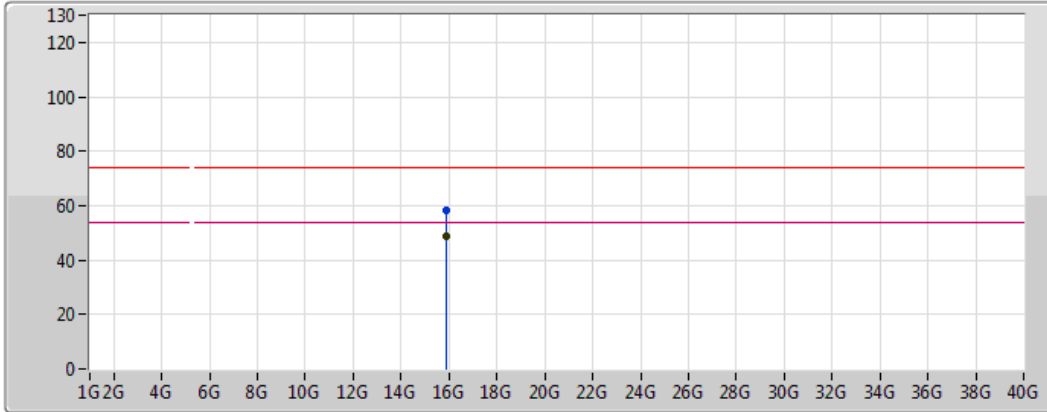
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2928G	97.20	Inf	-Inf	4.98	3	Horizontal	5	1.37	-	92.22	31.73	8.44	35.19
AV	5.3516G	52.68	54.00	-1.32	5.06	3	Horizontal	5	1.37	-	47.62	31.78	8.47	35.18
PK	5.2976G	106.15	Inf	-Inf	4.99	3	Horizontal	5	1.37	-	101.16	31.74	8.44	35.19
PK	5.3512G	67.59	74.00	-6.41	5.06	3	Horizontal	5	1.37	-	62.53	31.78	8.47	35.18



802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_BF

09/01/2018



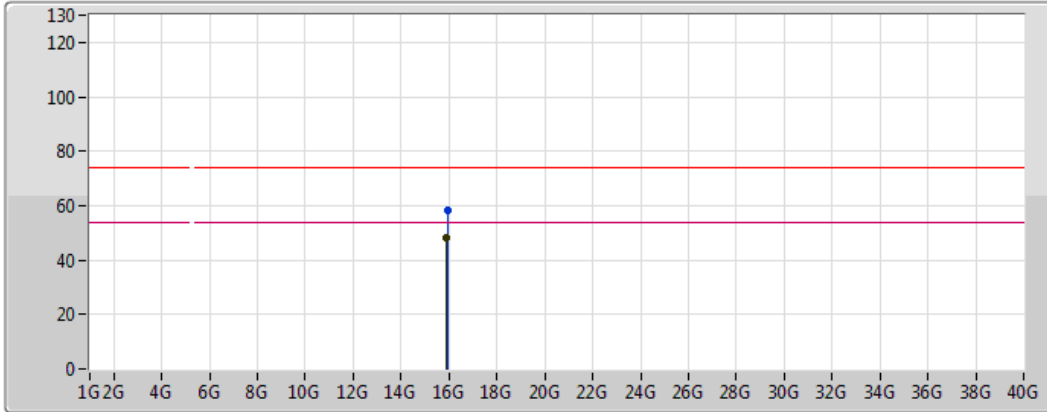
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.91566G	48.50	54.00	-5.50	15.85	3	Vertical	328	1.91	-	32.65	37.59	14.12	35.85
PK	15.91536G	58.41	74.00	-15.59	15.85	3	Vertical	328	1.91	-	42.55	37.59	14.12	35.85



802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

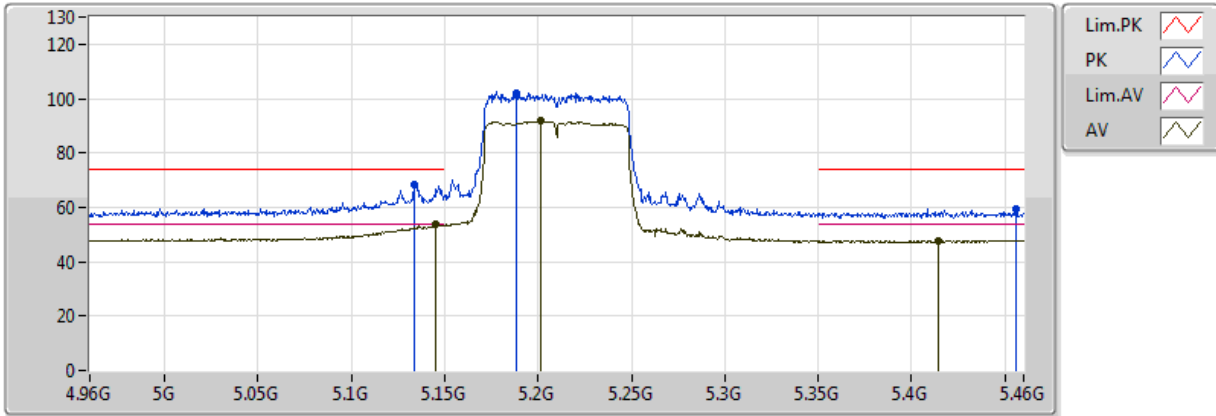
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.91806G	48.09	54.00	-5.91	15.84	3	Horizontal	0	1.67	-	32.25	37.58	14.12	35.86
PK	15.9447G	58.39	74.00	-15.61	15.75	3	Horizontal	0	1.67	-	42.64	37.49	14.15	35.89



802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_BF

09/01/2018



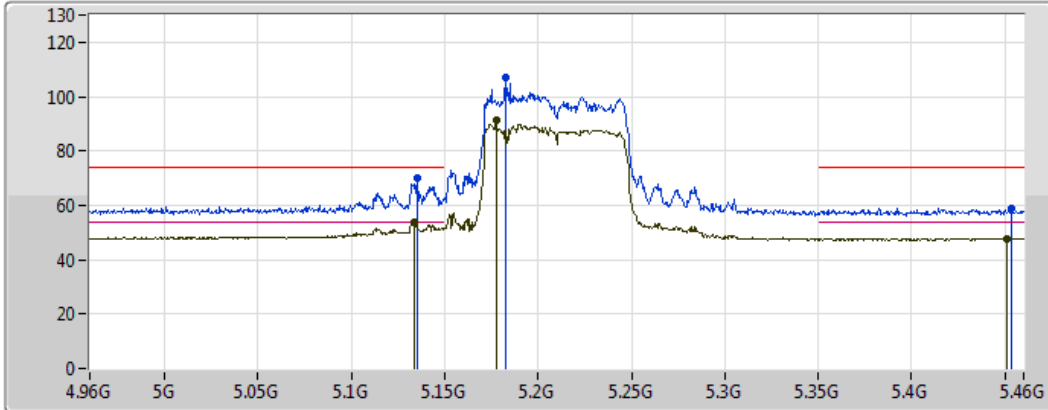
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1455G	53.52	54.00	-0.48	4.78	3	Vertical	342	1.51	-	48.73	31.62	8.37	35.21
AV	5.2015G	91.62	Inf	-Inf	4.86	3	Vertical	342	1.51	-	86.76	31.66	8.40	35.20
AV	5.4145G	47.89	54.00	-6.11	5.15	3	Vertical	342	1.51	-	42.74	31.83	8.50	35.18
PK	5.1335G	68.25	74.00	-5.75	4.77	3	Vertical	342	1.51	-	63.48	31.61	8.37	35.21
PK	5.1885G	102.26	Inf	-Inf	4.84	3	Vertical	342	1.51	-	97.42	31.65	8.39	35.20
PK	5.456G	59.15	74.00	-14.85	5.20	3	Vertical	342	1.51	-	53.95	31.86	8.51	35.17



802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

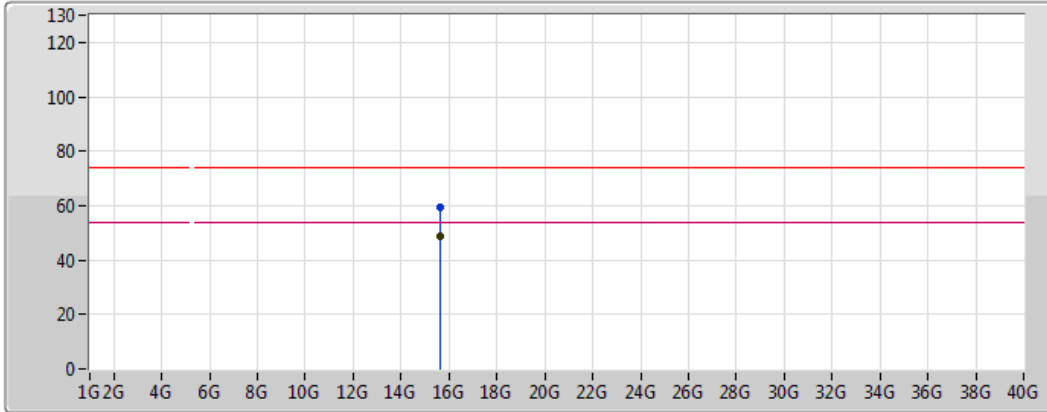
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.134G	53.71	54.00	-0.29	4.77	3	Horizontal	332	1.50	-	48.95	31.61	8.37	35.21
AV	5.1775G	91.61	Inf	-Inf	4.83	3	Horizontal	332	1.50	-	86.78	31.64	8.39	35.20
AV	5.451G	47.88	54.00	-6.12	5.20	3	Horizontal	332	1.50	-	42.69	31.86	8.51	35.17
PK	5.135G	69.90	74.00	-4.10	4.77	3	Horizontal	332	1.50	-	65.13	31.61	8.37	35.21
PK	5.183G	107.04	Inf	-Inf	4.84	3	Horizontal	332	1.50	-	102.21	31.65	8.39	35.20
PK	5.4535G	59.04	74.00	-14.96	5.20	3	Horizontal	332	1.50	-	53.84	31.86	8.51	35.17



802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

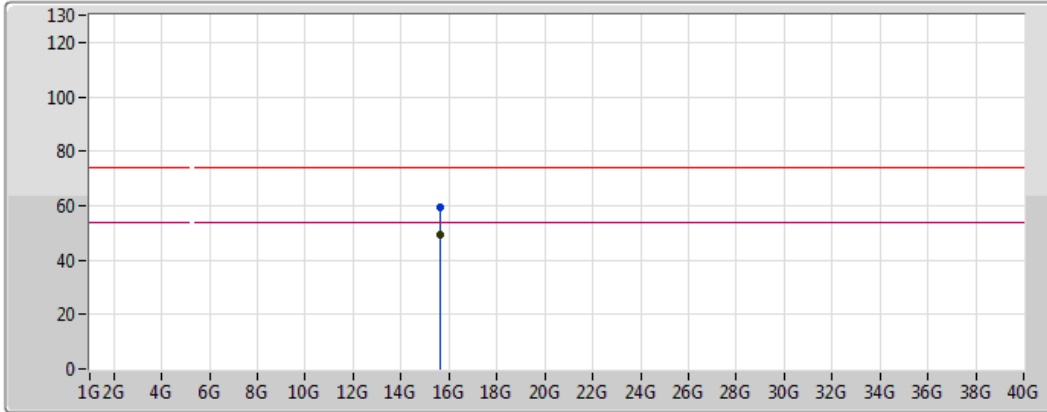
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.62376G	48.85	54.00	-5.15	16.86	3	Vertical	14	1.97	-	31.99	38.58	13.81	35.52
PK	15.62316G	59.20	74.00	-14.80	16.86	3	Vertical	14	1.97	-	42.34	38.58	13.81	35.52



802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_BF

09/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

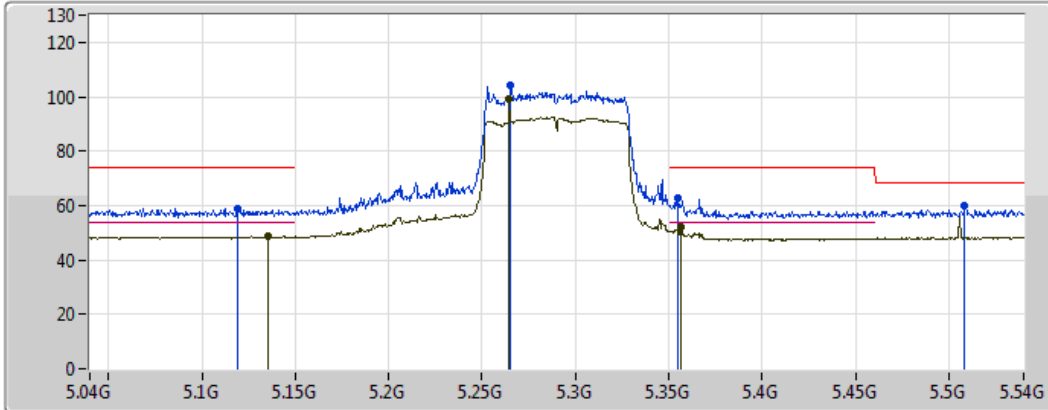
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.6156G	49.28	54.00	-4.72	16.89	3	Horizontal	15	2.41	-	32.39	38.61	13.80	35.52
PK	15.6273G	59.62	74.00	-14.38	16.85	3	Horizontal	15	2.41	-	42.77	38.57	13.81	35.53



802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_BF

10/01/2018



Legend for the spectrum plot:

- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Red line with a flat icon
- AV: Green line with a flat icon

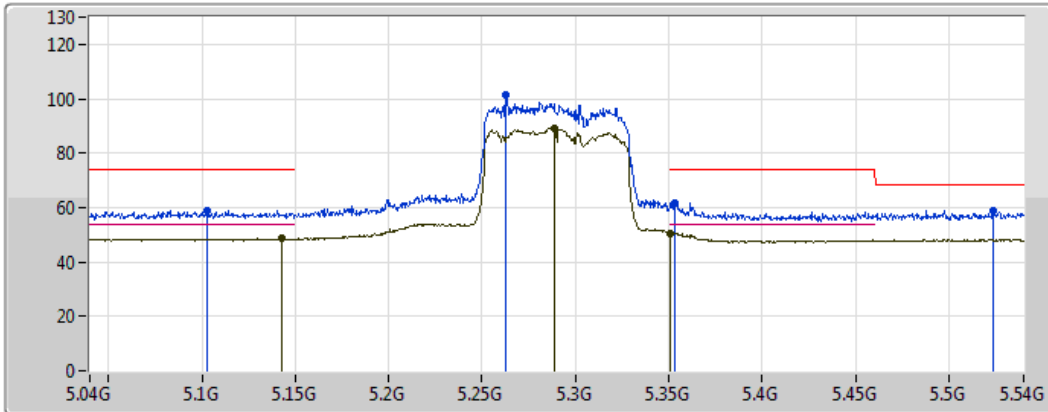
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1355G	48.75	54.00	-5.25	4.77	3	Vertical	354	1.50	-	43.98	31.61	8.37	35.21
AV	5.2645G	98.94	Inf	-Inf	4.94	3	Vertical	354	1.50	-	94.00	31.71	8.43	35.19
AV	5.3565G	51.98	54.00	-2.02	5.07	3	Vertical	354	1.50	-	46.91	31.79	8.47	35.18
PK	5.119G	58.88	74.00	-15.12	4.75	3	Vertical	354	1.50	-	54.14	31.60	8.36	35.21
PK	5.2655G	104.35	Inf	-Inf	4.95	3	Vertical	354	1.50	-	99.41	31.71	8.43	35.19
PK	5.355G	62.93	74.00	-11.07	5.07	3	Vertical	360	1.50	-	57.86	31.78	8.47	35.18
PK	5.5085G	60.03	68.20	-8.17	5.28	3	Vertical	354	1.50	-	54.75	31.91	8.54	35.17



802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_BF

10/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

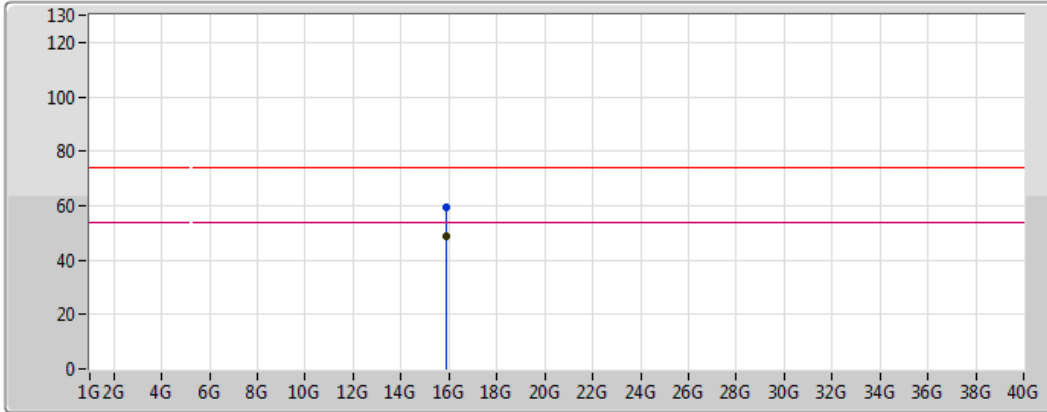
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1425G	48.63	54.00	-5.37	4.78	3	Horizontal	337	1.00	-	43.85	31.61	8.37	35.21
AV	5.2885G	89.15	Inf	-Inf	4.98	3	Horizontal	337	1.00	-	84.18	31.73	8.44	35.19
AV	5.3505G	50.70	54.00	-3.30	5.06	3	Horizontal	337	1.00	-	45.64	31.78	8.47	35.18
PK	5.1025G	58.96	74.00	-15.04	4.72	3	Horizontal	337	1.00	-	54.24	31.58	8.35	35.21
PK	5.263G	101.35	Inf	-Inf	4.94	3	Horizontal	337	1.00	-	96.41	31.71	8.43	35.19
PK	5.353G	61.73	74.00	-12.27	5.06	3	Horizontal	337	1.00	-	56.67	31.78	8.47	35.18
PK	5.5235G	58.92	68.20	-9.28	5.32	3	Horizontal	337	1.00	-	53.60	31.93	8.56	35.17



802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_BF

10/01/2018



Lim.PK	
PK	
Lim.AV	
AV	

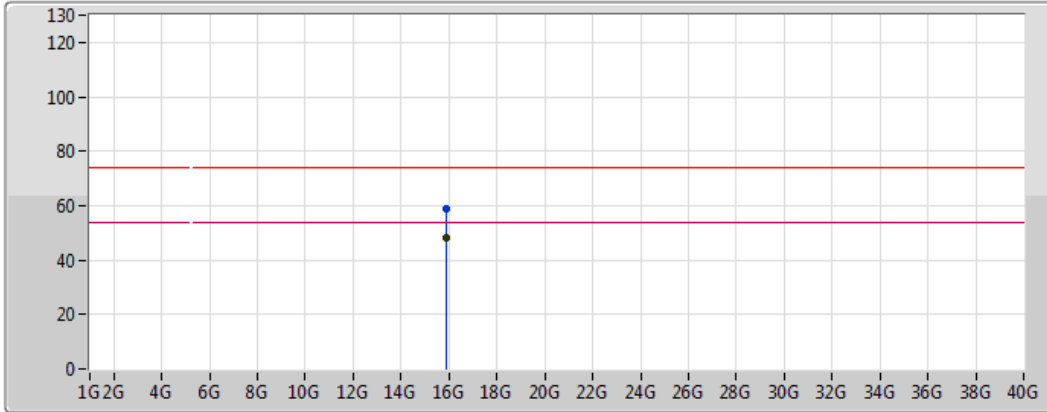
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.87264G	48.83	54.00	-5.17	16.00	3	Vertical	360	2.38	-	32.82	37.73	14.07	35.81
PK	15.87114G	59.37	74.00	-14.63	16.01	3	Vertical	360	2.38	-	43.36	37.74	14.07	35.80



802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_BF

10/01/2018



Legend for the spectrum plot:

- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Pink line with a peak icon
- AV: Black line with a peak icon

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.8715G	48.29	54.00	-5.71	16.00	3	Horizontal	158	2.28	-	32.28	37.74	14.07	35.80
PK	15.8823G	58.79	74.00	-15.21	15.97	3	Horizontal	158	2.28	-	42.82	37.70	14.08	35.82



**RSE TX above 1GHz Result (Antenna Gain 15 dBi)
Beamforming**

Appendix E.2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	5.1498G	53.15	54.00	-0.85	2.73	3	Vertical	8	1.80	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	AV	5.149995G	53.57	54.00	-0.43	6.59	3	Vertical	0	1.50	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	AV	5.146G	53.74	54.00	-0.26	6.58	3	Vertical	360	1.50	-
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	5.3504G	53.37	54.00	-0.63	2.85	3	Vertical	10	1.85	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	AV	5.350005G	51.79	54.00	-2.21	6.99	3	Vertical	359	1.50	-
802.11ac VHT80_Nss1,(MCS0)_4TX	Pass	AV	5.350005G	53.15	54.00	-0.85	6.99	3	Vertical	0	1.43	-



**RSE TX above 1GHz Result (Antenna Gain 15 dBi)
Beamforming**

Appendix E.2

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	51.31	54.00	-2.69	2.73	3	Horizontal	9	1.84	-
5180MHz	Pass	AV	5.1882G	109.27	Inf	-Inf	2.75	3	Horizontal	9	1.84	-
5180MHz	Pass	PK	5.148G	65.25	74.00	-8.75	2.73	3	Horizontal	9	1.84	-
5180MHz	Pass	PK	5.1878G	118.12	Inf	-Inf	2.75	3	Horizontal	9	1.84	-
5180MHz	Pass	AV	5.1498G	53.15	54.00	-0.85	2.73	3	Vertical	8	1.80	-
5180MHz	Pass	AV	5.1774G	109.51	Inf	-Inf	2.75	3	Vertical	8	1.80	-
5180MHz	Pass	PK	5.149995G	66.24	74.00	-7.76	2.73	3	Vertical	8	1.80	-
5180MHz	Pass	PK	5.1762G	121.08	Inf	-Inf	2.75	3	Vertical	8	1.80	-
5180MHz	Pass	AV	10.361277G	42.47	54.00	-11.53	15.30	3	Horizontal	33	1.35	-
5180MHz	Pass	PK	10.358962G	57.35	74.00	-16.65	15.30	3	Horizontal	33	1.35	-
5180MHz	Pass	AV	10.355848G	42.57	54.00	-11.43	15.30	3	Vertical	38	1.97	-
5180MHz	Pass	PK	10.361557G	56.35	74.00	-17.65	15.30	3	Vertical	38	1.97	-
5200MHz	Pass	AV	5.1496G	49.82	54.00	-4.18	2.73	3	Horizontal	4	1.76	-
5200MHz	Pass	AV	5.2028G	114.17	Inf	-Inf	2.76	3	Horizontal	4	1.76	-
5200MHz	Pass	PK	5.1208G	61.72	74.00	-12.28	2.71	3	Horizontal	4	1.76	-
5200MHz	Pass	PK	5.2036G	122.22	Inf	-Inf	2.76	3	Horizontal	4	1.76	-
5200MHz	Pass	AV	5.1468G	50.18	54.00	-3.82	2.73	3	Vertical	5	1.71	-
5200MHz	Pass	AV	5.1944G	114.15	Inf	-Inf	2.76	3	Vertical	5	1.71	-
5200MHz	Pass	PK	5.149995G	62.51	74.00	-11.49	2.73	3	Vertical	5	1.71	-
5200MHz	Pass	PK	5.1972G	123.72	Inf	-Inf	2.76	3	Vertical	5	1.71	-
5200MHz	Pass	AV	10.39361G	42.66	54.00	-11.34	15.35	3	Horizontal	25	1.42	-
5200MHz	Pass	PK	10.4011G	56.59	74.00	-17.41	15.36	3	Horizontal	25	1.42	-
5200MHz	Pass	AV	10.39381G	42.67	54.00	-11.33	15.35	3	Vertical	54	2.34	-
5200MHz	Pass	PK	10.39341G	57.15	74.00	-16.85	15.35	3	Vertical	54	2.34	-
5240MHz	Pass	AV	5.1176G	48.88	54.00	-5.12	2.71	3	Horizontal	2	1.76	-
5240MHz	Pass	AV	5.2334G	112.87	Inf	-Inf	2.78	3	Horizontal	2	1.76	-
5240MHz	Pass	AV	5.3558G	48.13	54.00	-5.87	2.85	3	Horizontal	2	1.76	-
5240MHz	Pass	PK	5.1212G	61.57	74.00	-12.43	2.71	3	Horizontal	2	1.76	-
5240MHz	Pass	PK	5.2346G	122.41	Inf	-Inf	2.78	3	Horizontal	2	1.76	-
5240MHz	Pass	PK	5.3834G	60.74	74.00	-13.26	2.87	3	Horizontal	2	1.76	-
5240MHz	Pass	AV	5.12G	49.35	54.00	-4.65	2.71	3	Vertical	5	1.78	-
5240MHz	Pass	AV	5.2472G	114.63	Inf	-Inf	2.79	3	Vertical	5	1.78	-
5240MHz	Pass	AV	5.3564G	48.11	54.00	-5.89	2.85	3	Vertical	5	1.78	-
5240MHz	Pass	PK	5.1164G	62.18	74.00	-11.82	2.71	3	Vertical	5	1.78	-
5240MHz	Pass	PK	5.2424G	123.28	Inf	-Inf	2.79	3	Vertical	5	1.78	-
5240MHz	Pass	PK	5.3804G	60.36	74.00	-13.64	2.87	3	Vertical	5	1.78	-
5240MHz	Pass	AV	10.4792G	42.83	54.00	-11.17	15.46	3	Horizontal	20	1.56	-
5240MHz	Pass	AV	15.7191G	45.32	54.00	-8.68	15.32	3	Horizontal	19	2.00	-
5240MHz	Pass	PK	10.4797G	56.55	74.00	-17.45	15.46	3	Horizontal	20	1.56	-
5240MHz	Pass	PK	15.7177G	61.02	74.00	-12.98	15.32	3	Horizontal	19	2.00	-
5240MHz	Pass	AV	10.48349G	43.06	54.00	-10.94	15.46	3	Vertical	51	1.42	-
5240MHz	Pass	AV	15.7219G	45.23	54.00	-8.77	15.31	3	Vertical	322	1.52	-
5240MHz	Pass	PK	10.47142G	58.21	74.00	-15.79	15.45	3	Vertical	51	1.42	-
5240MHz	Pass	PK	15.7184G	59.02	74.00	-14.98	15.32	3	Vertical	322	1.52	-
5260MHz	Pass	AV	5.1352G	48.61	54.00	-5.39	2.72	3	Horizontal	0	1.74	-
5260MHz	Pass	AV	5.2678G	111.26	Inf	-Inf	2.80	3	Horizontal	0	1.74	-



**RSE TX above 1GHz Result (Antenna Gain 15 dBi)
Beamforming**

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	AV	5.4088G	48.89	54.00	-5.11	2.88	3	Horizontal	0	1.74	-
5260MHz	Pass	PK	5.149995G	61.35	74.00	-12.65	2.73	3	Horizontal	0	1.74	-
5260MHz	Pass	PK	5.266G	120.99	Inf	-Inf	2.80	3	Horizontal	0	1.74	-
5260MHz	Pass	PK	5.3578G	60.87	74.00	-13.13	2.85	3	Horizontal	0	1.74	-
5260MHz	Pass	AV	5.119G	48.90	54.00	-5.10	2.71	3	Vertical	5	2.00	-
5260MHz	Pass	AV	5.2522G	110.94	Inf	-Inf	2.79	3	Vertical	5	2.00	-
5260MHz	Pass	AV	5.41G	48.17	54.00	-5.83	2.89	3	Vertical	5	2.00	-
5260MHz	Pass	PK	5.1124G	61.14	74.00	-12.86	2.71	3	Vertical	5	2.00	-
5260MHz	Pass	PK	5.2552G	122.49	Inf	-Inf	2.79	3	Vertical	5	2.00	-
5260MHz	Pass	PK	5.4058G	60.32	74.00	-13.68	2.88	3	Vertical	5	2.00	-
5260MHz	Pass	AV	10.519112G	43.05	54.00	-10.95	15.51	3	Horizontal	9	1.54	-
5260MHz	Pass	AV	15.7788G	44.17	54.00	-9.83	15.11	3	Horizontal	19	1.45	-
5260MHz	Pass	PK	10.518623G	56.31	74.00	-17.69	15.51	3	Horizontal	9	1.54	-
5260MHz	Pass	PK	15.7788G	57.90	74.00	-16.10	15.11	3	Horizontal	19	1.45	-
5260MHz	Pass	AV	10.5201G	44.68	54.00	-9.32	15.51	3	Vertical	53	1.50	-
5260MHz	Pass	AV	15.7786G	44.17	54.00	-9.83	15.11	3	Vertical	15	1.49	-
5260MHz	Pass	PK	10.52005G	59.21	74.00	-14.79	15.51	3	Vertical	53	1.50	-
5260MHz	Pass	PK	15.77691G	57.74	74.00	-16.26	15.12	3	Vertical	15	1.49	-
5300MHz	Pass	AV	5.2992G	111.47	Inf	-Inf	2.82	3	Horizontal	358	1.61	-
5300MHz	Pass	AV	5.3516G	48.40	54.00	-5.60	2.85	3	Horizontal	358	1.61	-
5300MHz	Pass	PK	5.2988G	122.46	Inf	-Inf	2.82	3	Horizontal	358	1.61	-
5300MHz	Pass	PK	5.3552G	62.31	74.00	-11.69	2.85	3	Horizontal	358	1.61	-
5300MHz	Pass	AV	5.2916G	114.41	Inf	-Inf	2.81	3	Vertical	7	1.88	-
5300MHz	Pass	AV	5.3524G	48.47	54.00	-5.53	2.85	3	Vertical	7	1.88	-
5300MHz	Pass	PK	5.2924G	123.73	Inf	-Inf	2.82	3	Vertical	7	1.88	-
5300MHz	Pass	PK	5.3836G	60.40	74.00	-13.60	2.87	3	Vertical	7	1.88	-
5300MHz	Pass	AV	15.9014G	43.71	54.00	-10.29	14.70	3	Horizontal	326	1.48	-
5300MHz	Pass	PK	15.8996G	59.37	74.00	-14.63	14.70	3	Horizontal	326	1.48	-
5300MHz	Pass	AV	15.9003G	44.36	54.00	-9.64	14.70	3	Vertical	9	2.42	-
5300MHz	Pass	PK	15.89531G	57.94	74.00	-16.06	14.72	3	Vertical	9	2.42	-
5320MHz	Pass	AV	5.3186G	109.95	Inf	-Inf	2.83	3	Horizontal	14	1.51	-
5320MHz	Pass	AV	5.350005G	50.29	54.00	-3.71	2.85	3	Horizontal	14	1.51	-
5320MHz	Pass	PK	5.3164G	120.69	Inf	-Inf	2.83	3	Horizontal	14	1.51	-
5320MHz	Pass	PK	5.3502G	63.57	74.00	-10.43	2.85	3	Horizontal	14	1.51	-
5320MHz	Pass	AV	5.322G	109.18	Inf	-Inf	2.83	3	Vertical	10	1.85	-
5320MHz	Pass	AV	5.3504G	53.37	54.00	-0.63	2.85	3	Vertical	10	1.85	-
5320MHz	Pass	PK	5.3164G	120.67	Inf	-Inf	2.83	3	Vertical	10	1.85	-
5320MHz	Pass	PK	5.350005G	66.34	74.00	-7.66	2.85	3	Vertical	10	1.85	-
5320MHz	Pass	AV	15.9599G	42.53	54.00	-11.47	14.50	3	Horizontal	24	1.11	-
5320MHz	Pass	PK	15.95311G	56.10	74.00	-17.90	14.52	3	Horizontal	24	1.11	-
5320MHz	Pass	AV	15.961G	44.00	54.00	-10.00	14.49	3	Vertical	4	1.77	-
5320MHz	Pass	PK	15.95251G	58.26	74.00	-15.74	14.52	3	Vertical	4	1.77	-
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.149995G	51.47	54.00	-2.53	6.59	3	Horizontal	0	1.43	-
5190MHz	Pass	AV	5.1828G	102.54	Inf	-Inf	6.66	3	Horizontal	0	1.43	-
5190MHz	Pass	PK	5.1496G	64.91	74.00	-9.09	6.59	3	Horizontal	0	1.43	-
5190MHz	Pass	PK	5.1988G	113.97	Inf	-Inf	6.69	3	Horizontal	0	1.43	-
5190MHz	Pass	AV	5.149995G	53.57	54.00	-0.43	6.59	3	Vertical	0	1.50	-



**RSE TX above 1GHz Result (Antenna Gain 15 dBi)
Beamforming**

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5190MHz	Pass	AV	5.192G	104.23	Inf	-Inf	6.67	3	Vertical	0	1.50	-
5190MHz	Pass	PK	5.148G	67.17	74.00	-6.83	6.59	3	Vertical	0	1.50	-
5190MHz	Pass	PK	5.178G	115.73	Inf	-Inf	6.65	3	Vertical	0	1.50	-
5190MHz	Pass	AV	10.39058G	41.72	54.00	-12.28	15.34	3	Horizontal	42	2.07	-
5190MHz	Pass	PK	10.40026G	55.98	74.00	-18.02	15.35	3	Horizontal	42	2.07	-
5190MHz	Pass	AV	10.37611G	41.74	54.00	-12.26	15.32	3	Vertical	360	1.24	-
5190MHz	Pass	PK	10.39966G	56.29	74.00	-17.71	15.35	3	Vertical	360	1.24	-
5230MHz	Pass	AV	5.149995G	50.01	54.00	-3.99	6.59	3	Horizontal	358	1.61	-
5230MHz	Pass	AV	5.222G	109.86	Inf	-Inf	6.73	3	Horizontal	358	1.61	-
5230MHz	Pass	PK	5.1488G	67.24	74.00	-6.76	6.59	3	Horizontal	358	1.61	-
5230MHz	Pass	PK	5.2192G	120.69	Inf	-Inf	6.73	3	Horizontal	358	1.61	-
5230MHz	Pass	AV	5.149995G	51.39	54.00	-2.61	6.59	3	Vertical	0	1.47	-
5230MHz	Pass	AV	5.2412G	111.08	Inf	-Inf	6.77	3	Vertical	0	1.47	-
5230MHz	Pass	PK	5.1484G	70.14	74.00	-3.86	6.59	3	Vertical	0	1.47	-
5230MHz	Pass	PK	5.2428G	122.47	Inf	-Inf	6.78	3	Vertical	0	1.47	-
5230MHz	Pass	AV	10.4452G	40.85	54.00	-13.15	12.56	3	Horizontal	128	1.50	-
5230MHz	Pass	PK	10.443G	54.28	74.00	-19.72	12.55	3	Horizontal	128	1.50	-
5230MHz	Pass	AV	10.4421G	40.85	54.00	-13.15	12.55	3	Vertical	293	1.50	-
5230MHz	Pass	PK	10.4556G	54.65	74.00	-19.35	12.59	3	Vertical	293	1.50	-
5270MHz	Pass	AV	5.2844G	111.01	Inf	-Inf	6.86	3	Horizontal	0	1.62	-
5270MHz	Pass	AV	5.3504G	48.30	54.00	-5.70	6.99	3	Horizontal	0	1.62	-
5270MHz	Pass	PK	5.2852G	121.61	Inf	-Inf	6.86	3	Horizontal	0	1.62	-
5270MHz	Pass	PK	5.350005G	65.17	74.00	-8.83	6.99	3	Horizontal	0	1.62	-
5270MHz	Pass	AV	5.2712G	111.39	Inf	-Inf	6.83	3	Vertical	12	1.50	-
5270MHz	Pass	AV	5.3504G	47.48	54.00	-6.52	6.99	3	Vertical	12	1.50	-
5270MHz	Pass	PK	5.2712G	120.21	Inf	-Inf	6.83	3	Vertical	12	1.50	-
5270MHz	Pass	PK	5.352G	62.75	74.00	-11.25	6.99	3	Vertical	12	1.50	-
5270MHz	Pass	AV	10.5658G	41.35	54.00	-12.65	12.88	3	Horizontal	154	1.50	-
5270MHz	Pass	PK	10.5116G	54.95	74.00	-19.05	12.74	3	Horizontal	154	1.50	-
5270MHz	Pass	AV	15.8188G	43.62	54.00	-10.38	12.78	3	Vertical	11	1.50	-
5270MHz	Pass	PK	15.8522G	57.04	74.00	-16.96	12.62	3	Vertical	11	1.50	-
5310MHz	Pass	AV	5.296G	105.21	Inf	-Inf	6.88	3	Horizontal	0	1.56	-
5310MHz	Pass	AV	5.350005G	49.88	54.00	-4.12	6.99	3	Horizontal	0	1.56	-
5310MHz	Pass	PK	5.3012G	116.69	Inf	-Inf	6.89	3	Horizontal	0	1.56	-
5310MHz	Pass	PK	5.350005G	66.13	74.00	-7.87	6.99	3	Horizontal	0	1.56	-
5310MHz	Pass	AV	5.3216G	106.51	Inf	-Inf	6.93	3	Vertical	359	1.50	-
5310MHz	Pass	AV	5.350005G	51.79	54.00	-2.21	6.99	3	Vertical	359	1.50	-
5310MHz	Pass	PK	5.3212G	118.55	Inf	-Inf	6.93	3	Vertical	359	1.50	-
5310MHz	Pass	PK	5.350005G	68.51	74.00	-5.49	6.99	3	Vertical	359	1.50	-
5310MHz	Pass	AV	10.6048G	41.28	54.00	-12.72	12.98	3	Horizontal	226	1.50	-
5310MHz	Pass	PK	10.6288G	54.83	74.00	-19.17	13.05	3	Horizontal	226	1.50	-
5310MHz	Pass	AV	10.6026G	41.21	54.00	-12.79	12.98	3	Vertical	145	1.50	-
5310MHz	Pass	PK	10.6176G	55.22	74.00	-18.78	13.02	3	Vertical	145	1.50	-
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.144G	50.65	54.00	-3.35	6.58	3	Horizontal	16	1.75	-
5210MHz	Pass	AV	5.182G	98.13	Inf	-Inf	6.65	3	Horizontal	16	1.75	-
5210MHz	Pass	AV	5.364G	46.12	54.00	-7.88	7.02	3	Horizontal	16	1.75	-
5210MHz	Pass	PK	5.148G	62.95	74.00	-11.05	6.59	3	Horizontal	16	1.75	-



RSE TX above 1GHz Result (Antenna Gain 15 dBi)
Beamforming

Appendix E.2

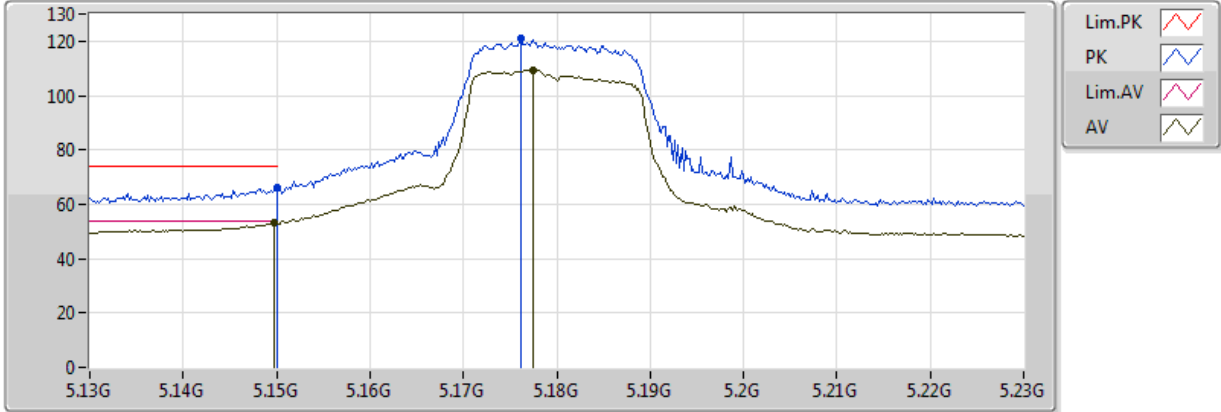
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5210MHz	Pass	PK	5.181G	109.58	Inf	-Inf	6.65	3	Horizontal	16	1.75	-
5210MHz	Pass	PK	5.373G	58.31	74.00	-15.69	7.04	3	Horizontal	16	1.75	-
5210MHz	Pass	AV	5.146G	53.74	54.00	-0.26	6.58	3	Vertical	360	1.50	-
5210MHz	Pass	AV	5.187G	102.34	Inf	-Inf	6.66	3	Vertical	360	1.50	-
5210MHz	Pass	AV	5.358G	46.37	54.00	-7.63	7.01	3	Vertical	360	1.50	-
5210MHz	Pass	PK	5.148G	69.42	74.00	-4.58	6.59	3	Vertical	360	1.50	-
5210MHz	Pass	PK	5.179G	114.11	Inf	-Inf	6.65	3	Vertical	360	1.50	-
5210MHz	Pass	PK	5.383G	59.09	74.00	-14.91	7.06	3	Vertical	360	1.50	-
5210MHz	Pass	AV	10.3948G	41.10	54.00	-12.90	12.43	3	Horizontal	217	1.50	-
5210MHz	Pass	PK	10.3718G	54.51	74.00	-19.49	12.37	3	Horizontal	217	1.50	-
5210MHz	Pass	AV	10.3914G	41.20	54.00	-12.80	12.42	3	Vertical	162	1.50	-
5210MHz	Pass	PK	10.4172G	54.50	74.00	-19.50	12.49	3	Vertical	162	1.50	-
5290MHz	Pass	AV	5.149995G	47.51	54.00	-6.49	6.59	3	Horizontal	360	1.62	-
5290MHz	Pass	AV	5.287G	104.31	Inf	-Inf	6.86	3	Horizontal	360	1.62	-
5290MHz	Pass	AV	5.350005G	52.19	54.00	-1.81	6.99	3	Horizontal	360	1.62	-
5290MHz	Pass	PK	5.143G	59.75	74.00	-14.25	6.58	3	Horizontal	360	1.62	-
5290MHz	Pass	PK	5.259G	114.67	Inf	-Inf	6.81	3	Horizontal	360	1.62	-
5290MHz	Pass	PK	5.361G	67.44	74.00	-6.56	7.01	3	Horizontal	360	1.62	-
5290MHz	Pass	AV	5.149G	49.36	54.00	-4.64	6.59	3	Vertical	0	1.43	-
5290MHz	Pass	AV	5.268G	106.43	Inf	-Inf	6.83	3	Vertical	0	1.43	-
5290MHz	Pass	AV	5.350005G	53.15	54.00	-0.85	6.99	3	Vertical	0	1.43	-
5290MHz	Pass	PK	5.148G	61.85	74.00	-12.15	6.59	3	Vertical	0	1.43	-
5290MHz	Pass	PK	5.258G	116.26	Inf	-Inf	6.81	3	Vertical	0	1.43	-
5290MHz	Pass	PK	5.351G	65.91	74.00	-8.09	6.99	3	Vertical	0	1.43	-
5290MHz	Pass	AV	10.5942G	41.27	54.00	-12.73	12.95	3	Horizontal	225	1.50	-
5290MHz	Pass	PK	10.5962G	54.44	74.00	-19.56	12.96	3	Horizontal	225	1.50	-
5290MHz	Pass	AV	10.6008G	41.26	54.00	-12.74	12.97	3	Vertical	53	1.50	-
5290MHz	Pass	PK	10.6266G	54.48	74.00	-19.52	13.04	3	Vertical	53	1.50	-



802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_Beamforming

02/01/2018



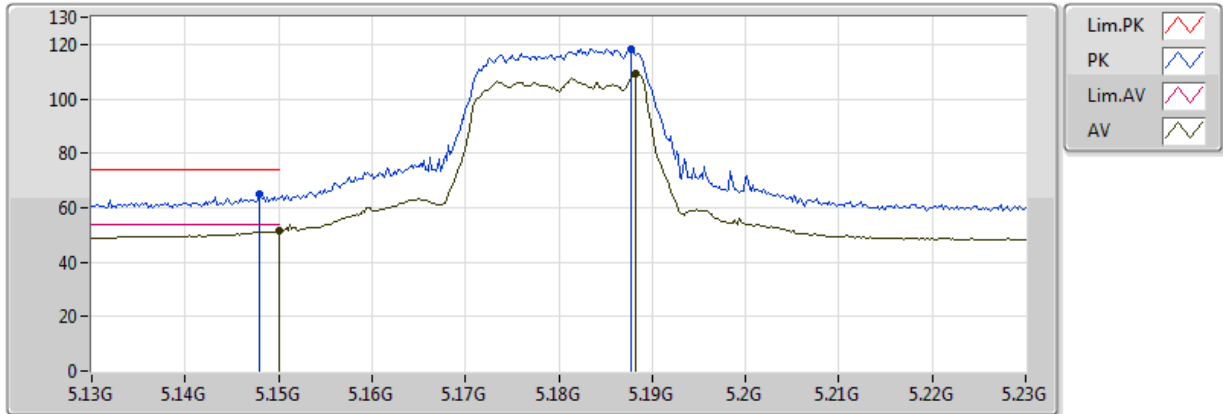
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AV	5.1498G	53.15	54.00	-0.85	2.73	3	Vertical	8	1.80	-	50.42	31.66	5.62	34.55
AV	5.1774G	109.51	Inf	-Inf	2.75	3	Vertical	8	1.80	-	106.76	31.67	5.63	34.55
PK	5.149995G	66.24	74.00	-7.76	2.73	3	Vertical	8	1.80	-	63.51	31.66	5.62	34.55
PK	5.1762G	121.08	Inf	-Inf	2.75	3	Vertical	8	1.80	-	118.34	31.67	5.63	34.55



802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_Beamforming

02/01/2018



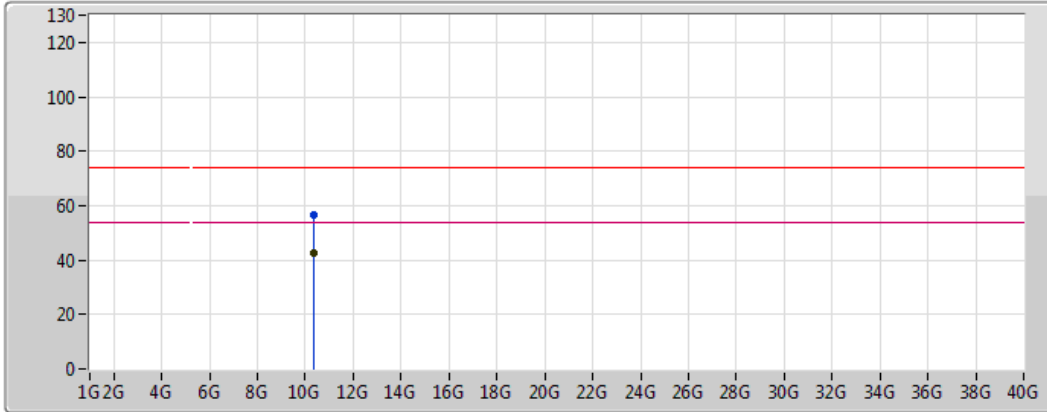
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AV	5.149995G	51.31	54.00	-2.69	2.73	3	Horizontal	9	1.84	-	48.58	31.66	5.62	34.55
AV	5.1882G	109.27	Inf	-Inf	2.75	3	Horizontal	9	1.84	-	106.52	31.68	5.63	34.55
PK	5.148G	65.25	74.00	-8.75	2.73	3	Horizontal	9	1.84	-	62.52	31.66	5.62	34.55
PK	5.1878G	118.12	Inf	-Inf	2.75	3	Horizontal	9	1.84	-	115.37	31.68	5.63	34.55



802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_Beamforming

04/01/2018



Lim.PK	
PK	
Lim.AV	
AV	

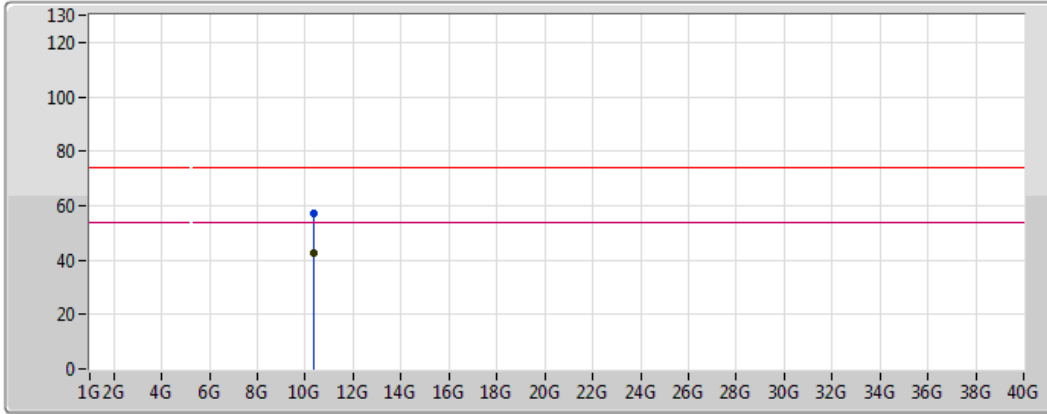
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AV	10.355848G	42.57	54.00	-11.43	15.30	3	Vertical	38	1.97	-	27.27	39.16	7.16	31.03
PK	10.361557G	56.35	74.00	-17.65	15.30	3	Vertical	38	1.97	-	41.04	39.17	7.16	31.03



802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_Beamforming

04/01/2018



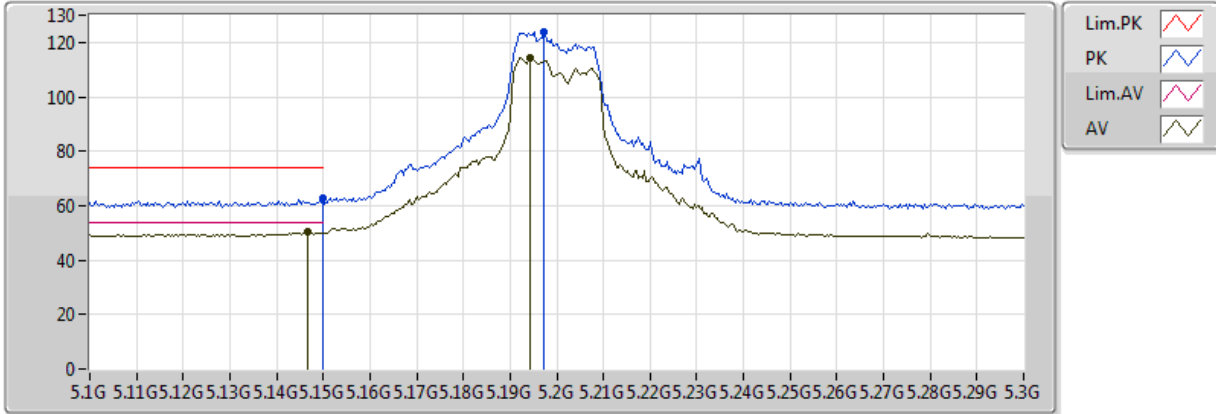
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AV	10.361277G	42.47	54.00	-11.53	15.30	3	Horizontal	33	1.35	-	27.17	39.17	7.16	31.03
PK	10.358962G	57.35	74.00	-16.65	15.30	3	Horizontal	33	1.35	-	42.05	39.17	7.16	31.03



802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_Beamforming

02/01/2018



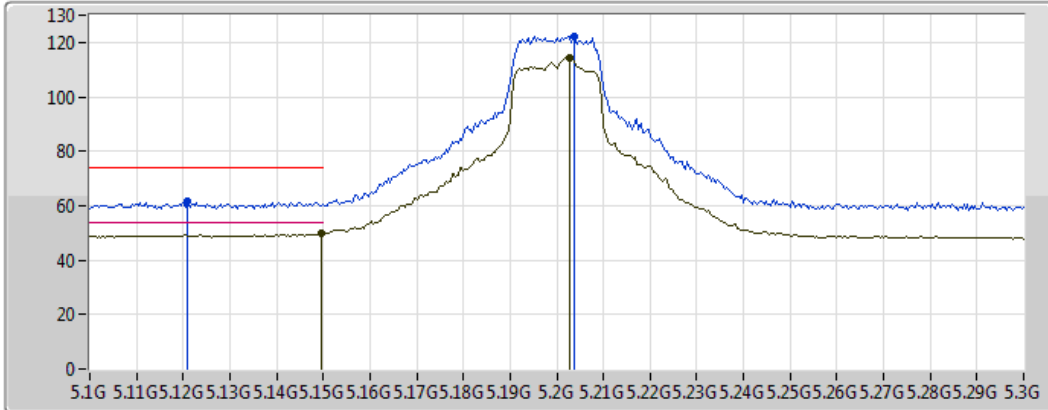
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AV	5.1468G	50.18	54.00	-3.82	2.73	3	Vertical	5	1.71	-	47.45	31.66	5.62	34.55
AV	5.1944G	114.15	Inf	-Inf	2.76	3	Vertical	5	1.71	-	111.39	31.68	5.63	34.55
PK	5.149995G	62.51	74.00	-11.49	2.73	3	Vertical	5	1.71	-	59.78	31.66	5.62	34.55
PK	5.1972G	123.72	Inf	-Inf	2.76	3	Vertical	5	1.71	-	120.96	31.68	5.63	34.55



802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_Beamforming

02/01/2018



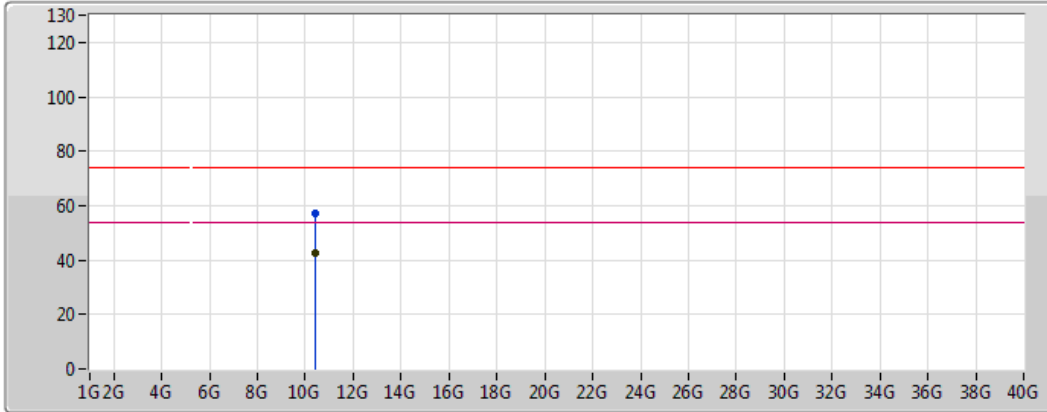
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1496G	49.82	54.00	-4.18	2.73	3	Horizontal	4	1.76	-	47.09	31.66	5.62	34.55
AV	5.2028G	114.17	Inf	-Inf	2.76	3	Horizontal	4	1.76	-	111.41	31.68	5.63	34.55
PK	5.1208G	61.72	74.00	-12.28	2.71	3	Horizontal	4	1.76	-	59.00	31.65	5.61	34.55
PK	5.2036G	122.22	Inf	-Inf	2.76	3	Horizontal	4	1.76	-	119.46	31.68	5.63	34.55



802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_Beamforming

04/01/2018



Lim.PK	
PK	
Lim.AV	
AV	

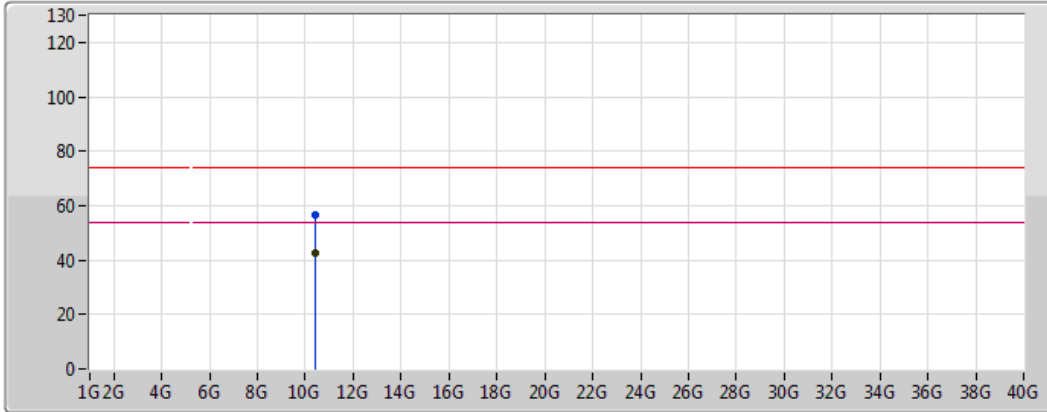
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AV	10.39381G	42.67	54.00	-11.33	15.35	3	Vertical	54	2.34	-	27.33	39.21	7.17	31.04
PK	10.39341G	57.15	74.00	-16.85	15.35	3	Vertical	54	2.34	-	41.81	39.21	7.17	31.04



802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_Beamforming

04/01/2018



Lim.PK	
PK	
Lim.AV	
AV	

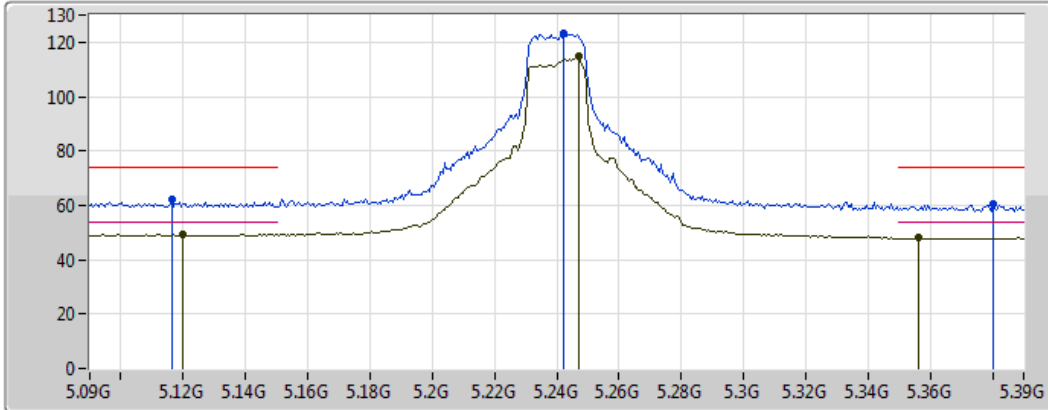
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.39361G	42.66	54.00	-11.34	15.35	3	Horizontal	25	1.42	-	27.31	39.21	7.17	31.04
PK	10.4011G	56.59	74.00	-17.41	15.36	3	Horizontal	25	1.42	-	41.23	39.22	7.17	31.04



802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_Beamforming

03/01/2018



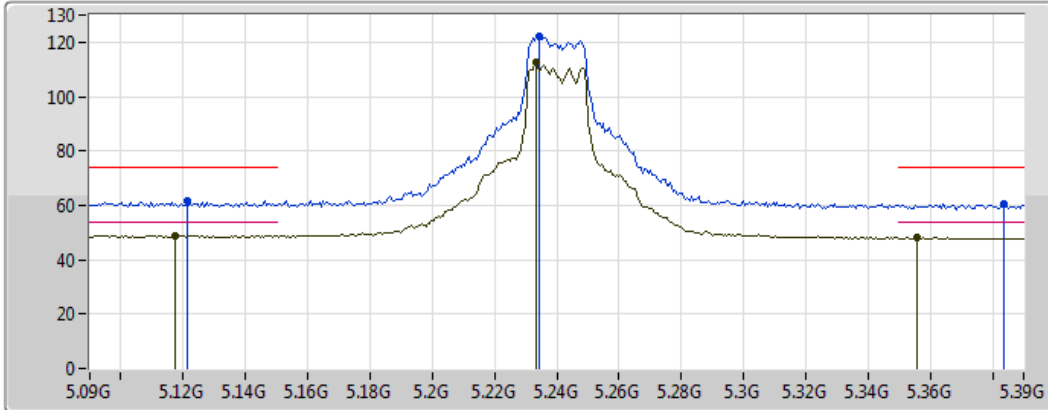
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.12G	49.35	54.00	-4.65	2.71	3	Vertical	5	1.78	-	46.64	31.65	5.61	34.55
AV	5.2472G	114.63	Inf	-Inf	2.79	3	Vertical	5	1.78	-	111.84	31.70	5.63	34.55
AV	5.3564G	48.11	54.00	-5.89	2.85	3	Vertical	5	1.78	-	45.25	31.74	5.65	34.54
PK	5.1164G	62.18	74.00	-11.82	2.71	3	Vertical	5	1.78	-	59.47	31.65	5.61	34.55
PK	5.2424G	123.28	Inf	-Inf	2.79	3	Vertical	5	1.78	-	120.50	31.70	5.63	34.55
PK	5.3804G	60.36	74.00	-13.64	2.87	3	Vertical	5	1.78	-	57.49	31.75	5.66	34.54



802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_Beamforming

03/01/2018



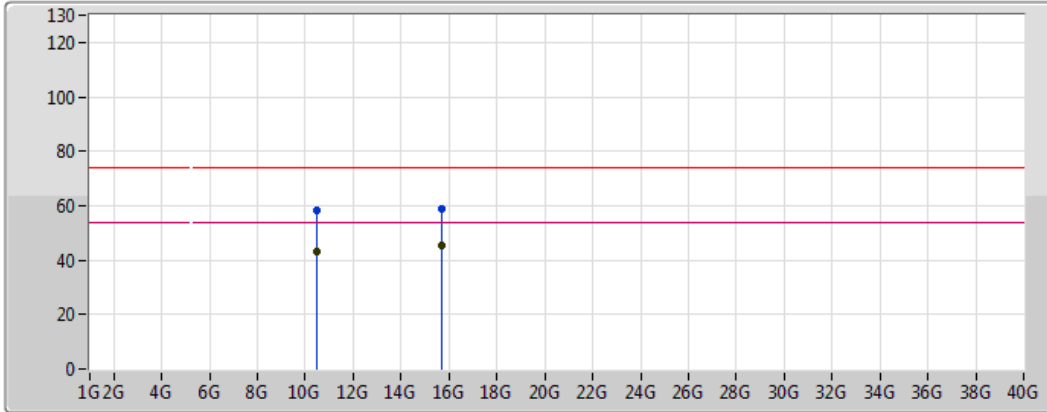
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1176G	48.88	54.00	-5.12	2.71	3	Horizontal	2	1.76	-	46.17	31.65	5.61	34.55
AV	5.2334G	112.87	Inf	-Inf	2.78	3	Horizontal	2	1.76	-	110.09	31.69	5.63	34.55
AV	5.3558G	48.13	54.00	-5.87	2.85	3	Horizontal	2	1.76	-	45.28	31.74	5.65	34.54
PK	5.1212G	61.57	74.00	-12.43	2.71	3	Horizontal	2	1.76	-	58.85	31.65	5.61	34.55
PK	5.2346G	122.41	Inf	-Inf	2.78	3	Horizontal	2	1.76	-	119.63	31.69	5.63	34.55
PK	5.3834G	60.74	74.00	-13.26	2.87	3	Horizontal	2	1.76	-	57.87	31.75	5.66	34.54



802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_Beamforming

04/01/2018



Legend for the spectrum plot:

- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Pink line with a peak icon
- AV: Black line with a peak icon

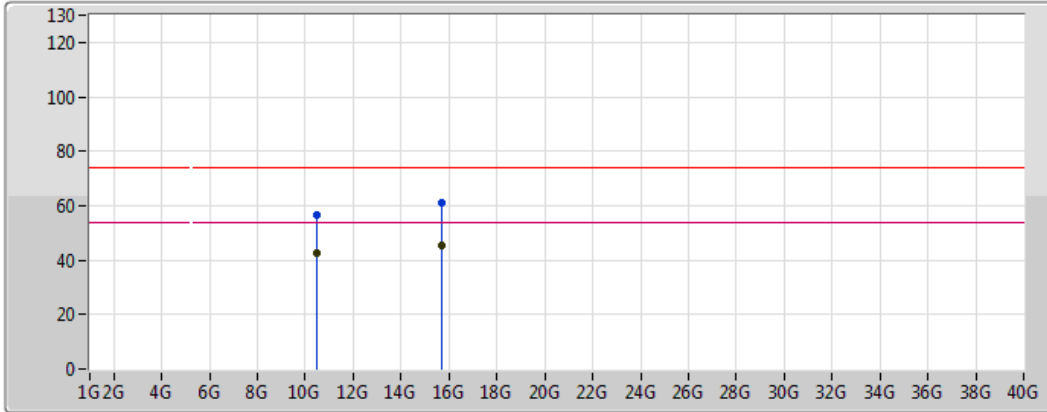
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.48349G	43.06	54.00	-10.94	15.46	3	Vertical	51	1.42	-	27.60	39.33	7.19	31.06
AV	15.7219G	45.23	54.00	-8.77	15.31	3	Vertical	322	1.52	-	29.92	38.18	9.06	31.94
PK	10.47142G	58.21	74.00	-15.79	15.45	3	Vertical	51	1.42	-	42.76	39.31	7.19	31.05
PK	15.7184G	59.02	74.00	-14.98	15.32	3	Vertical	322	1.52	-	43.70	38.20	9.06	31.94



802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_Beamforming

04/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

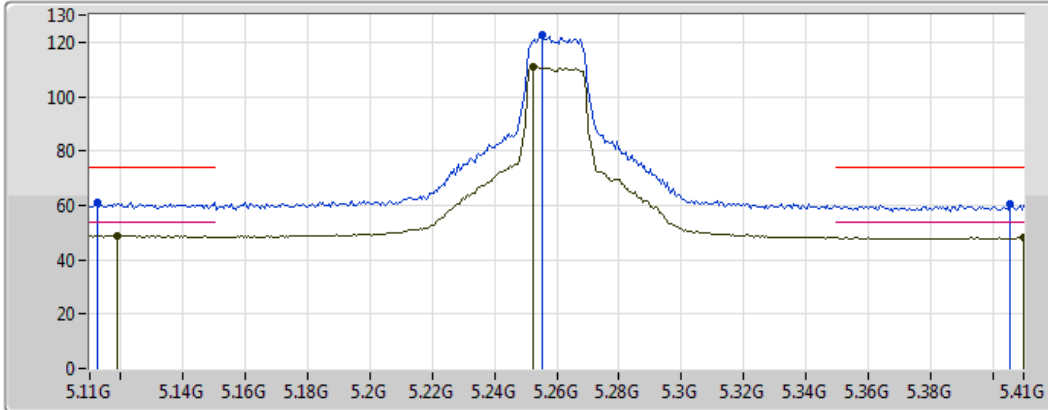
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.4792G	42.83	54.00	-11.17	15.46	3	Horizontal	20	1.56	-	27.37	39.32	7.19	31.06
AV	15.7191G	45.32	54.00	-8.68	15.32	3	Horizontal	19	2.00	-	30.00	38.20	9.06	31.94
PK	10.4797G	56.55	74.00	-17.45	15.46	3	Horizontal	20	1.56	-	41.09	39.32	7.19	31.06
PK	15.7177G	61.02	74.00	-12.98	15.32	3	Horizontal	19	2.00	-	45.70	38.20	9.06	31.94



802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_Beamforming

03/01/2018



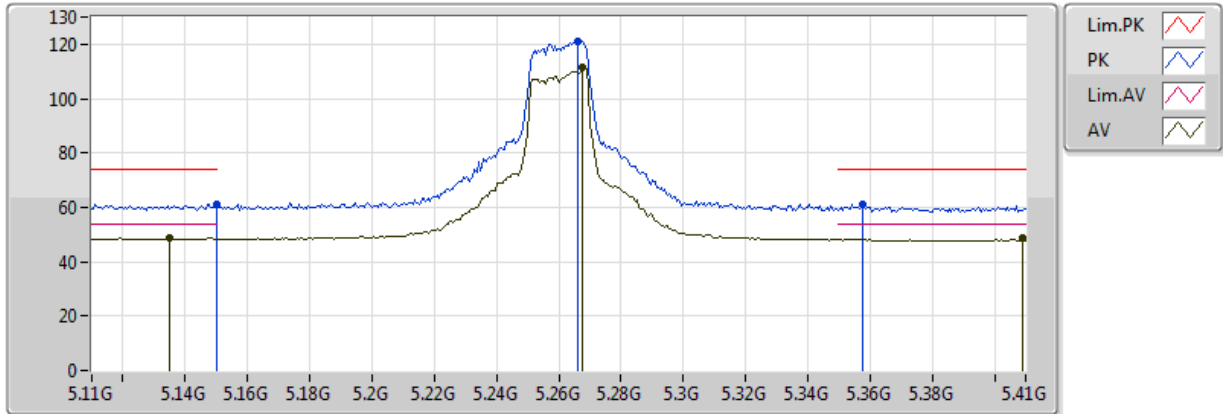
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.119G	48.90	54.00	-5.10	2.71	3	Vertical	5	2.00	-	46.19	31.65	5.61	34.55
AV	5.2522G	110.94	Inf	-Inf	2.79	3	Vertical	5	2.00	-	108.15	31.70	5.64	34.54
AV	5.41G	48.17	54.00	-5.83	2.89	3	Vertical	5	2.00	-	45.28	31.76	5.66	34.54
PK	5.1124G	61.14	74.00	-12.86	2.71	3	Vertical	5	2.00	-	58.43	31.64	5.61	34.55
PK	5.2552G	122.49	Inf	-Inf	2.79	3	Vertical	5	2.00	-	119.69	31.70	5.64	34.54
PK	5.4058G	60.32	74.00	-13.68	2.88	3	Vertical	5	2.00	-	57.44	31.76	5.66	34.54



802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_Beamforming

03/01/2018



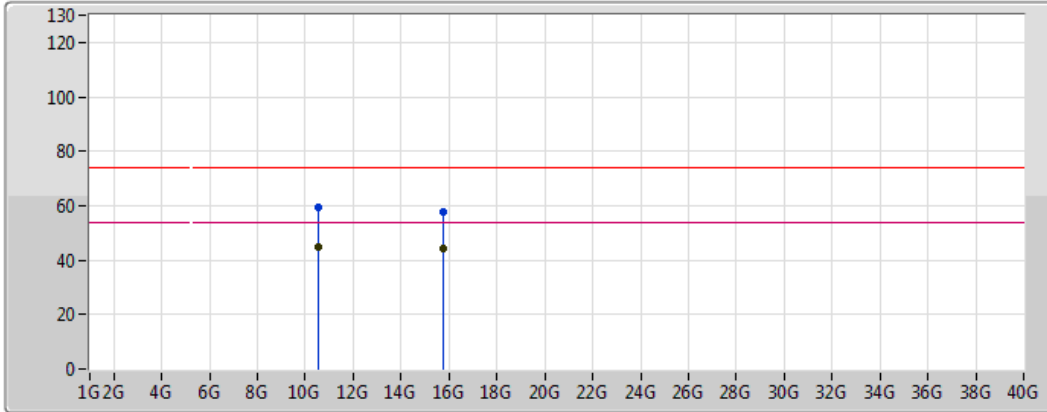
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1352G	48.61	54.00	-5.39	2.72	3	Horizontal	0	1.74	-	45.89	31.65	5.62	34.55
AV	5.2678G	111.26	Inf	-Inf	2.80	3	Horizontal	0	1.74	-	108.46	31.71	5.64	34.54
AV	5.4088G	48.89	54.00	-5.11	2.88	3	Horizontal	0	1.74	-	46.00	31.76	5.66	34.54
PK	5.149995G	61.35	74.00	-12.65	2.73	3	Horizontal	0	1.74	-	58.62	31.66	5.62	34.55
PK	5.266G	120.99	Inf	-Inf	2.80	3	Horizontal	0	1.74	-	118.19	31.71	5.64	34.54
PK	5.3578G	60.87	74.00	-13.13	2.85	3	Horizontal	0	1.74	-	58.02	31.74	5.65	34.54



802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_Beamforming

04/01/2018



Legend for the graph:

- Lim.PK
- PK
- Lim.AV
- AV

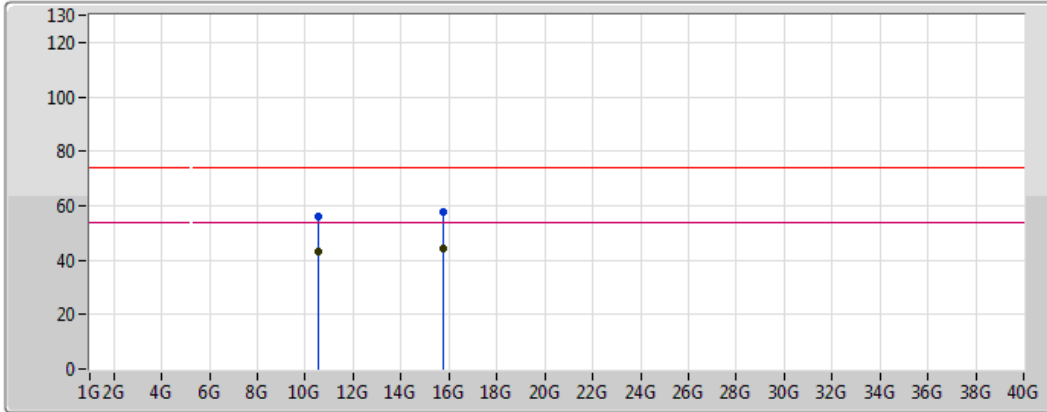
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.5201G	44.68	54.00	-9.32	15.51	3	Vertical	53	1.50	-	29.16	39.38	7.20	31.06
AV	15.7786G	44.17	54.00	-9.83	15.11	3	Vertical	15	1.49	-	29.06	37.96	9.11	31.95
PK	10.52005G	59.21	74.00	-14.79	15.51	3	Vertical	53	1.50	-	43.70	39.38	7.20	31.06
PK	15.77691G	57.74	74.00	-16.26	15.12	3	Vertical	15	1.49	-	42.62	37.97	9.10	31.95



802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_Beamforming

04/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

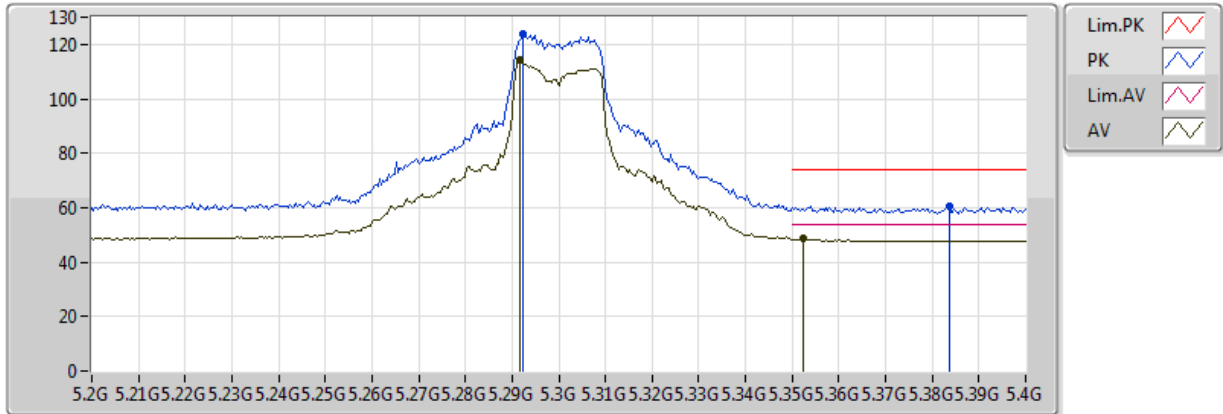
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.519112G	43.05	54.00	-10.95	15.51	3	Horizontal	9	1.54	-	27.54	39.37	7.20	31.06
AV	15.7788G	44.17	54.00	-9.83	15.11	3	Horizontal	19	1.45	-	29.05	37.96	9.11	31.95
PK	10.518623G	56.31	74.00	-17.69	15.51	3	Horizontal	9	1.54	-	40.80	39.37	7.20	31.06
PK	15.7788G	57.90	74.00	-16.10	15.11	3	Horizontal	19	1.45	-	42.78	37.96	9.11	31.95



802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_Beamforming

03/01/2018



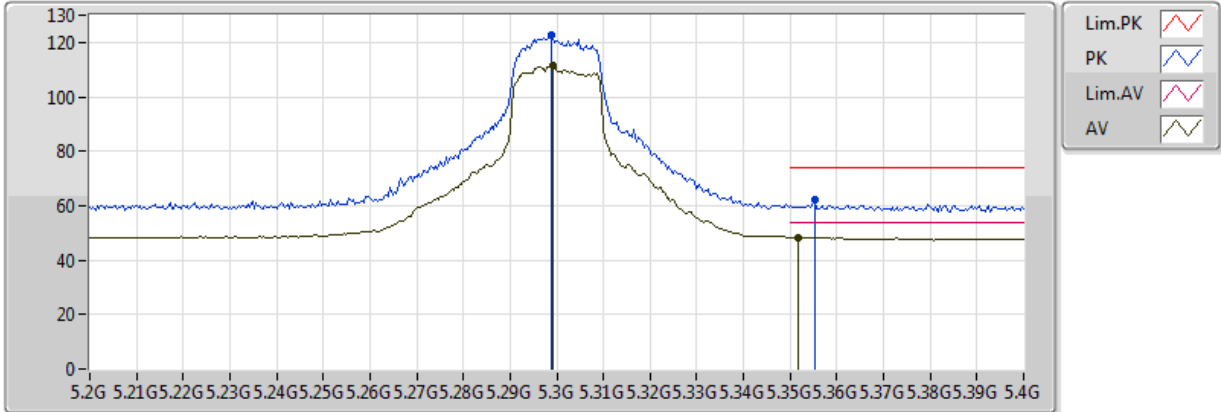
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2916G	114.41	Inf	-Inf	2.81	3	Vertical	7	1.88	-	111.59	31.72	5.64	34.54
AV	5.3524G	48.47	54.00	-5.53	2.85	3	Vertical	7	1.88	-	45.62	31.74	5.65	34.54
PK	5.2924G	123.73	Inf	-Inf	2.82	3	Vertical	7	1.88	-	120.91	31.72	5.64	34.54
PK	5.3836G	60.40	74.00	-13.60	2.87	3	Vertical	7	1.88	-	57.53	31.75	5.66	34.54



802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_Beamforming

03/01/2018



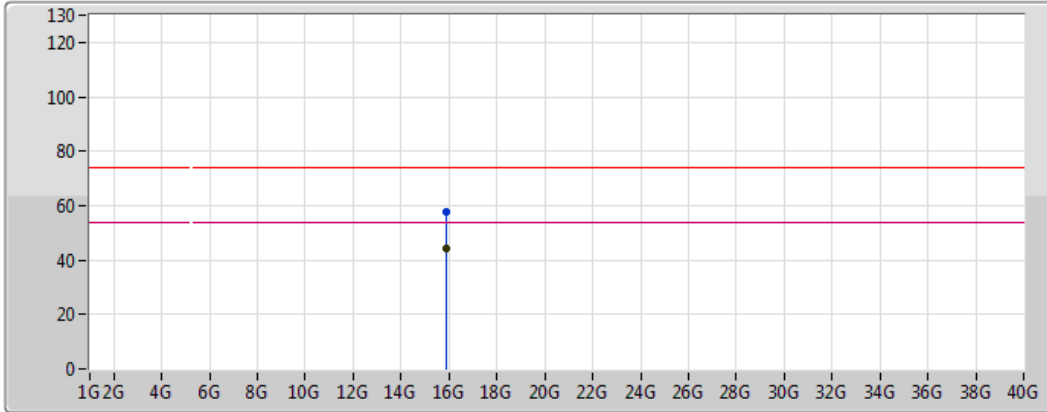
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2992G	111.47	Inf	-Inf	2.82	3	Horizontal	358	1.61	-	108.65	31.72	5.64	34.54
AV	5.3516G	48.40	54.00	-5.60	2.85	3	Horizontal	358	1.61	-	45.55	31.74	5.65	34.54
PK	5.2988G	122.46	Inf	-Inf	2.82	3	Horizontal	358	1.61	-	119.64	31.72	5.64	34.54
PK	5.3552G	62.31	74.00	-11.69	2.85	3	Horizontal	358	1.61	-	59.45	31.74	5.65	34.54



802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_Beamforming

04/01/2018



Lim.PK	
PK	
Lim.AV	
AV	

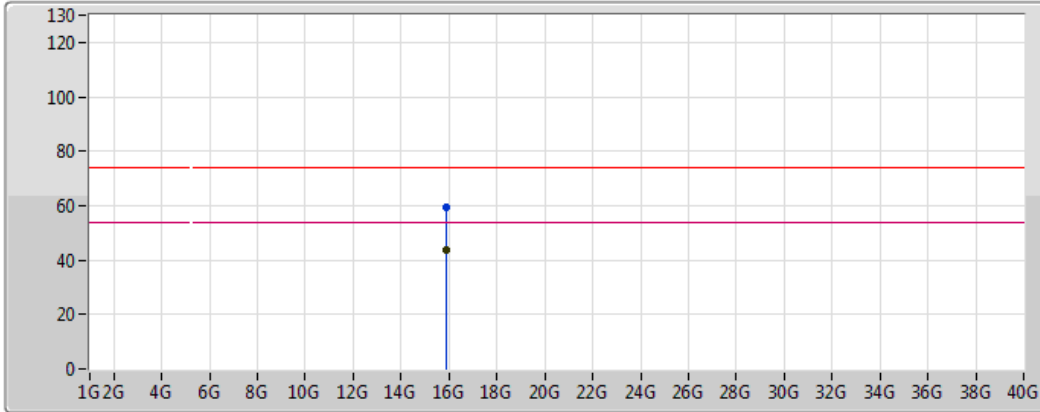
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.9003G	44.36	54.00	-9.64	14.70	3	Vertical	9	2.42	-	29.66	37.49	9.20	31.99
PK	15.89531G	57.94	74.00	-16.06	14.72	3	Vertical	9	2.42	-	43.23	37.51	9.19	31.98



802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_Beamforming

04/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

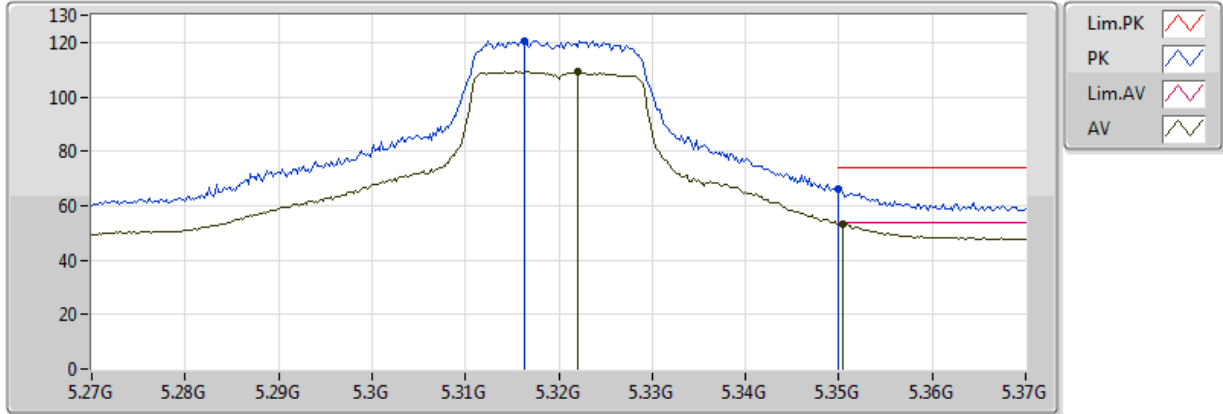
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.9014G	43.71	54.00	-10.29	14.70	3	Horizontal	326	1.48	-	29.02	37.48	9.20	31.99
PK	15.8996G	59.37	74.00	-14.63	14.70	3	Horizontal	326	1.48	-	44.66	37.49	9.20	31.98



802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_Beamforming

03/01/2018



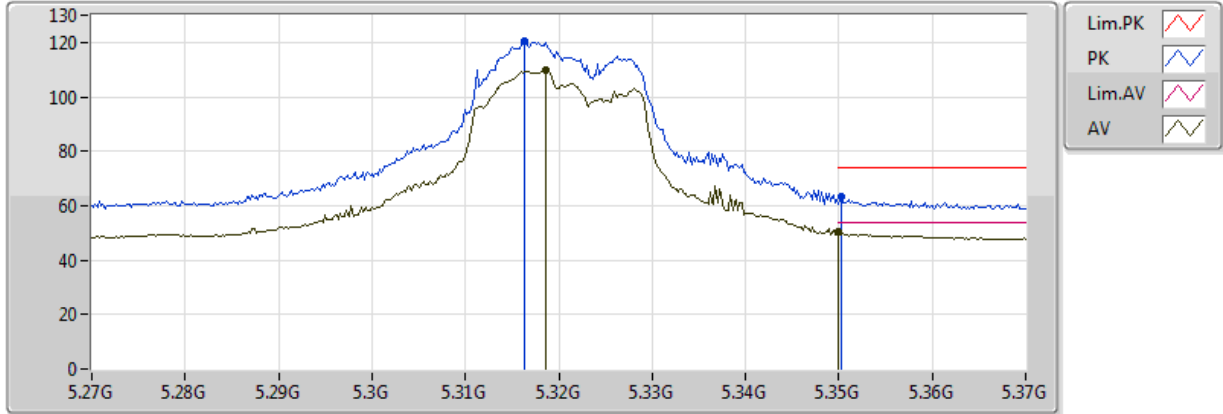
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.322G	109.18	Inf	-Inf	2.83	3	Vertical	10	1.85	-	106.35	31.73	5.64	34.54
AV	5.3504G	53.37	54.00	-0.63	2.85	3	Vertical	10	1.85	-	50.52	31.74	5.65	34.54
PK	5.3164G	120.67	Inf	-Inf	2.83	3	Vertical	10	1.85	-	117.84	31.73	5.64	34.54
PK	5.350005G	66.34	74.00	-7.66	2.85	3	Vertical	10	1.85	-	63.49	31.74	5.65	34.54



802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_Beamforming

03/01/2018



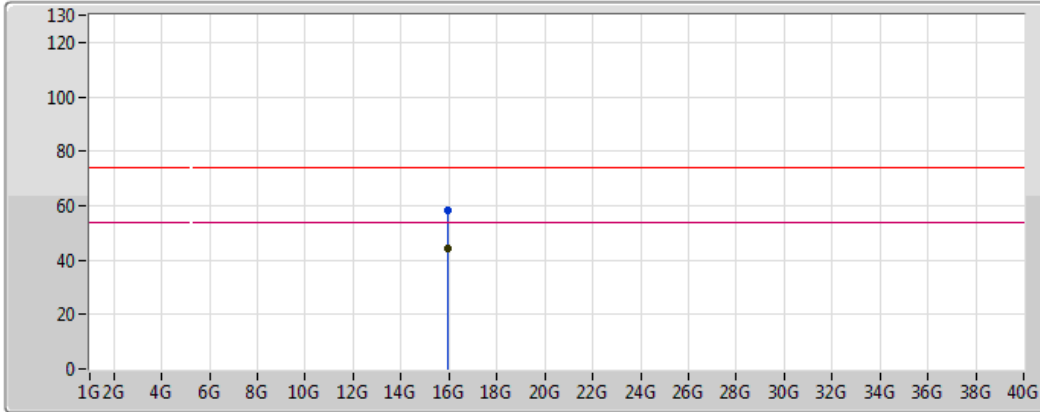
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3186G	109.95	Inf	-Inf	2.83	3	Horizontal	14	1.51	-	107.12	31.73	5.64	34.54
AV	5.350005G	50.29	54.00	-3.71	2.85	3	Horizontal	14	1.51	-	47.44	31.74	5.65	34.54
PK	5.3164G	120.69	Inf	-Inf	2.83	3	Horizontal	14	1.51	-	117.86	31.73	5.64	34.54
PK	5.3502G	63.57	74.00	-10.43	2.85	3	Horizontal	14	1.51	-	60.72	31.74	5.65	34.54



802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_Beamforming

04/01/2018



Lim.PK	
PK	
Lim.AV	
AV	

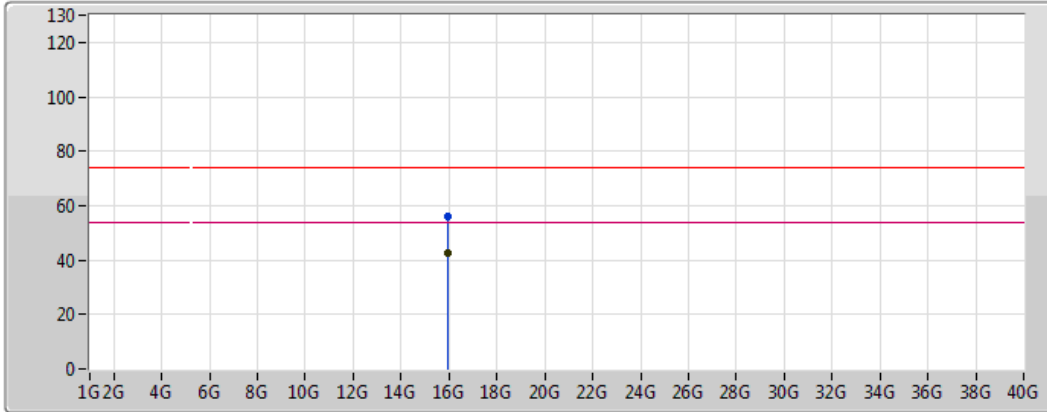
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.961G	44.00	54.00	-10.00	14.49	3	Vertical	4	1.77	-	29.51	37.25	9.24	32.00
PK	15.95251G	58.26	74.00	-15.74	14.52	3	Vertical	4	1.77	-	43.74	37.29	9.23	32.00



802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_Beamforming

04/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

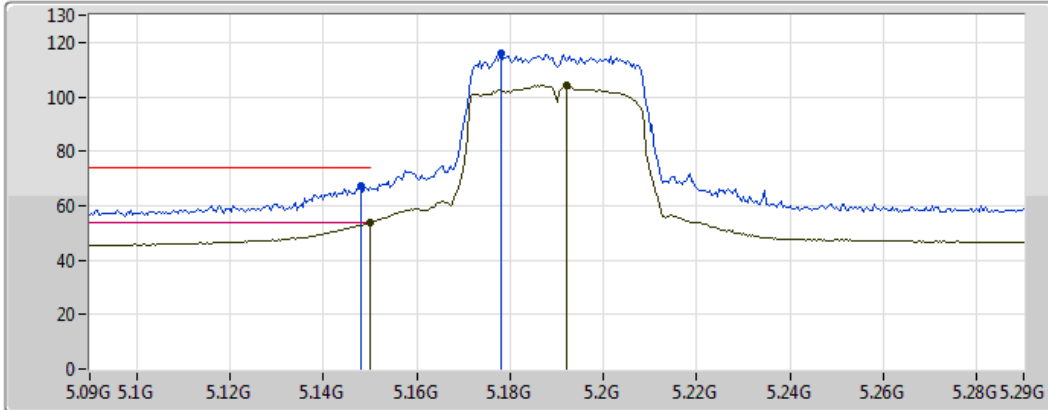
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.9599G	42.53	54.00	-11.47	14.50	3	Horizontal	24	1.11	-	28.04	37.26	9.24	32.00
PK	15.95311G	56.10	74.00	-17.90	14.52	3	Horizontal	24	1.11	-	41.58	37.28	9.24	32.00



802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_Beamforming

03/01/2018



Lim.PK	
PK	
Lim.AV	
AV	

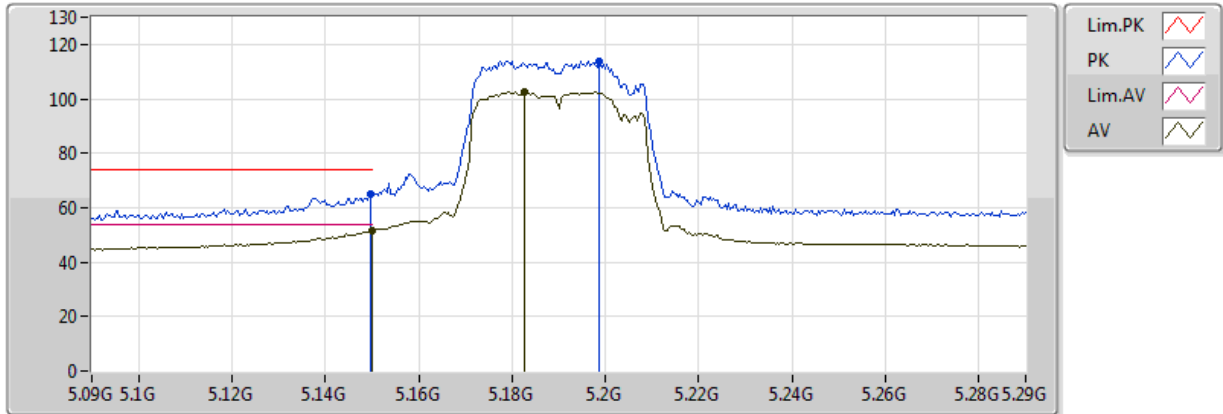
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	53.57	54.00	-0.43	6.59	3	Vertical	0	1.50	-	46.98	31.68	4.72	29.81
AV	5.192G	104.23	Inf	-Inf	6.67	3	Vertical	0	1.50	-	97.55	31.73	4.75	29.81
PK	5.148G	67.17	74.00	-6.83	6.59	3	Vertical	0	1.50	-	60.58	31.68	4.72	29.81
PK	5.178G	115.73	Inf	-Inf	6.65	3	Vertical	0	1.50	-	109.08	31.71	4.74	29.81



802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_Beamforming

03/01/2018



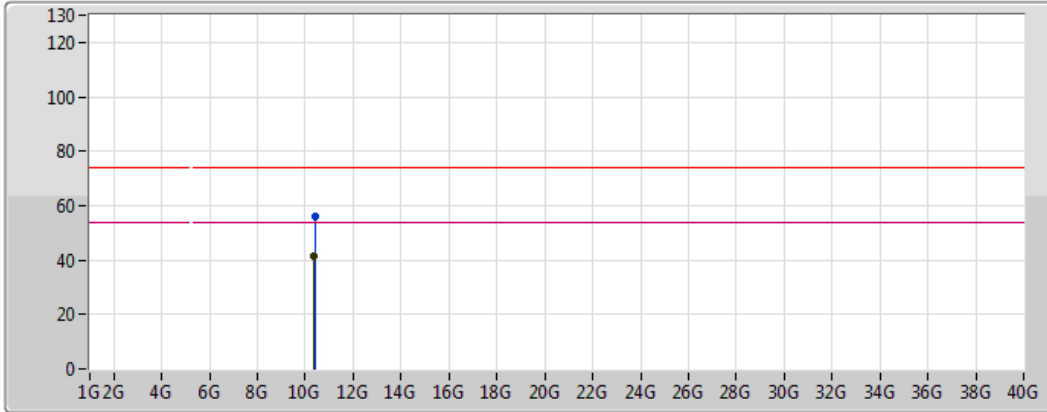
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	51.47	54.00	-2.53	6.59	3	Horizontal	0	1.43	-	44.88	31.68	4.72	29.81
AV	5.1828G	102.54	Inf	-Inf	6.66	3	Horizontal	0	1.43	-	95.89	31.72	4.75	29.81
PK	5.1496G	64.91	74.00	-9.09	6.59	3	Horizontal	0	1.43	-	58.32	31.68	4.72	29.81
PK	5.1988G	113.97	Inf	-Inf	6.69	3	Horizontal	0	1.43	-	107.28	31.74	4.76	29.81



802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_Beamforming

04/01/2018



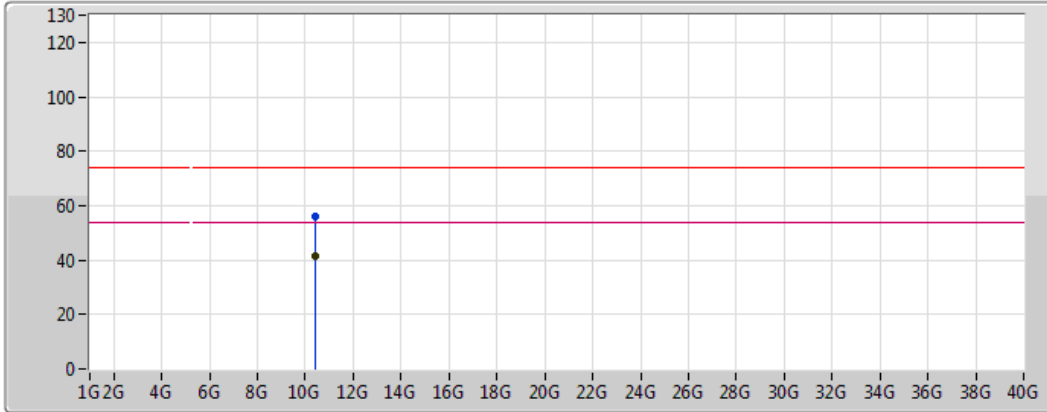
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.37611G	41.74	54.00	-12.26	15.32	3	Vertical	360	1.24	-	26.42	39.19	7.17	31.03
PK	10.39966G	56.29	74.00	-17.71	15.35	3	Vertical	360	1.24	-	40.94	39.22	7.17	31.04



802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_Beamforming

04/01/2018



Legend:

- Lim.PK
- PK
- Lim.AV
- AV

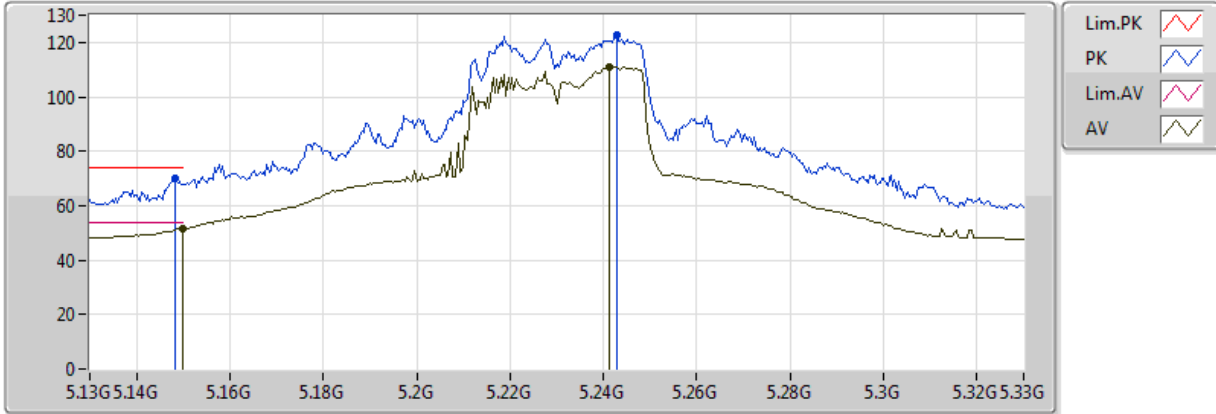
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.39058G	41.72	54.00	-12.28	15.34	3	Horizontal	42	2.07	-	26.37	39.21	7.17	31.04
PK	10.40026G	55.98	74.00	-18.02	15.35	3	Horizontal	42	2.07	-	40.63	39.22	7.17	31.04



802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_Beamforming

04/01/2018



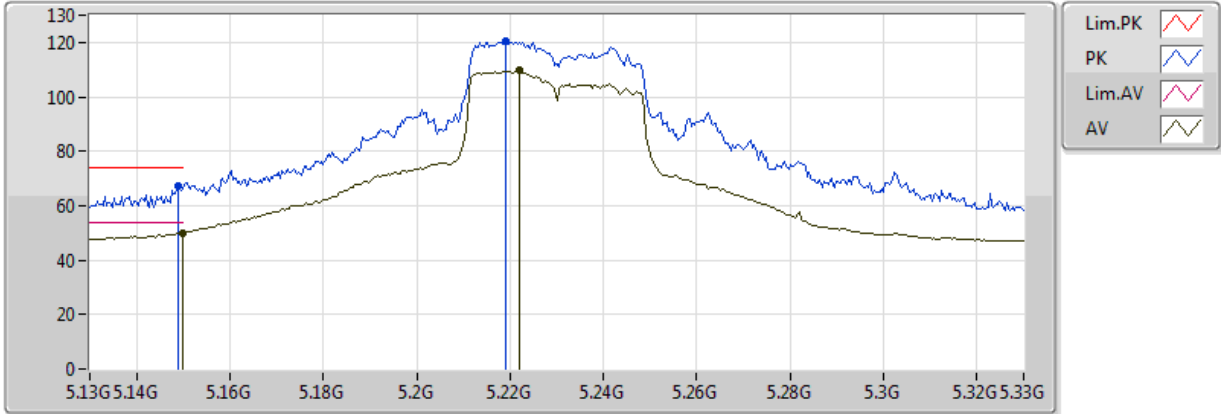
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	51.39	54.00	-2.61	6.59	3	Vertical	0	1.47	-	44.80	31.68	4.72	29.81
AV	5.2412G	111.08	Inf	-Inf	6.77	3	Vertical	0	1.47	-	104.31	31.79	4.79	29.81
PK	5.1484G	70.14	74.00	-3.86	6.59	3	Vertical	0	1.47	-	63.56	31.68	4.72	29.81
PK	5.2428G	122.47	Inf	-Inf	6.78	3	Vertical	0	1.47	-	115.69	31.79	4.79	29.81



802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_Beamforming

04/01/2018



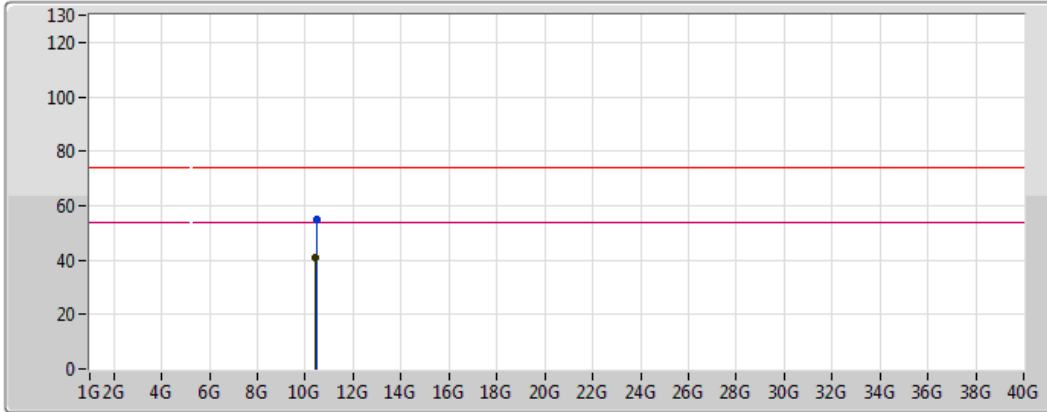
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	50.01	54.00	-3.99	6.59	3	Horizontal	358	1.61	-	43.42	31.68	4.72	29.81
AV	5.222G	109.86	Inf	-Inf	6.73	3	Horizontal	358	1.61	-	103.12	31.77	4.78	29.81
PK	5.1488G	67.24	74.00	-6.76	6.59	3	Horizontal	358	1.61	-	60.66	31.68	4.72	29.81
PK	5.2192G	120.69	Inf	-Inf	6.73	3	Horizontal	358	1.61	-	113.96	31.76	4.77	29.81



802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_Beamforming

04/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

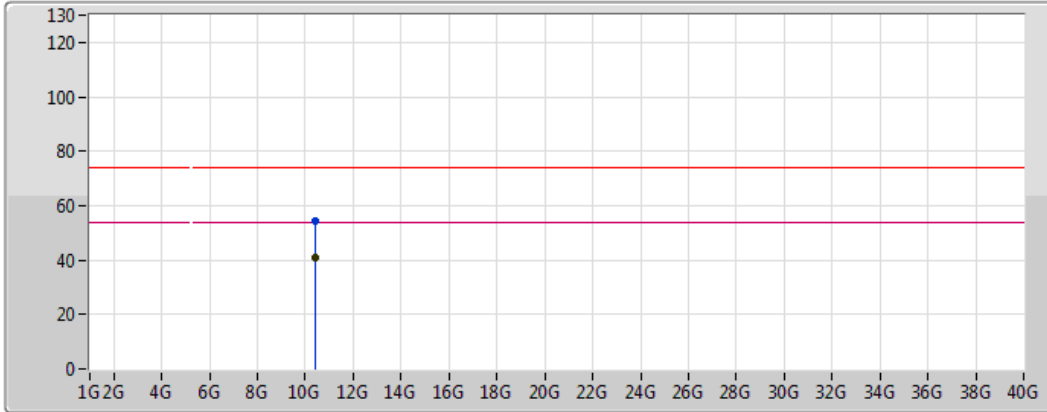
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AV	10.4421G	40.85	54.00	-13.15	12.55	3	Vertical	293	1.50	-	28.30	39.62	7.97	35.04
PK	10.4556G	54.65	74.00	-19.35	12.59	3	Vertical	293	1.50	-	42.06	39.64	7.98	35.03



802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_Beamforming

04/01/2018



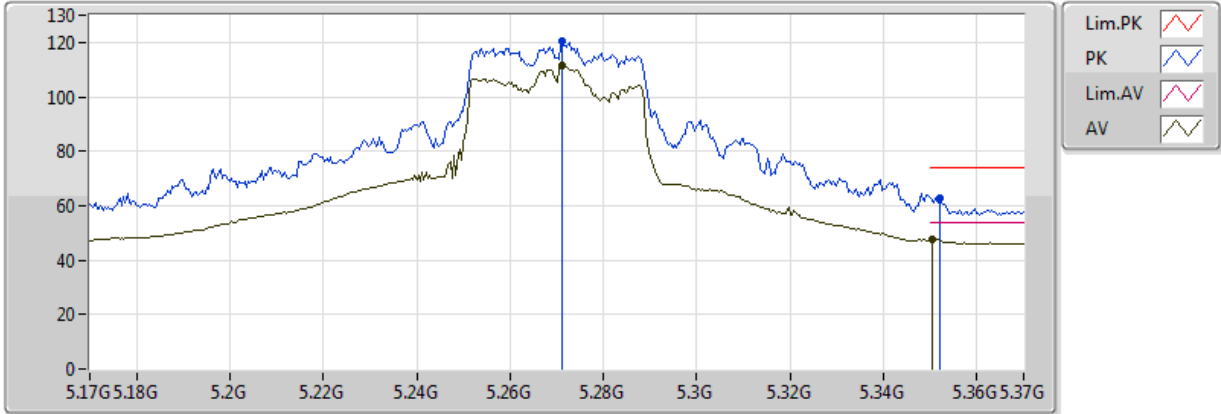
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.4452G	40.85	54.00	-13.15	12.56	3	Horizontal	128	1.50	-	28.29	39.62	7.97	35.03
PK	10.443G	54.28	74.00	-19.72	12.55	3	Horizontal	128	1.50	-	41.73	39.62	7.97	35.04



802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_Beamforming

04/01/2018



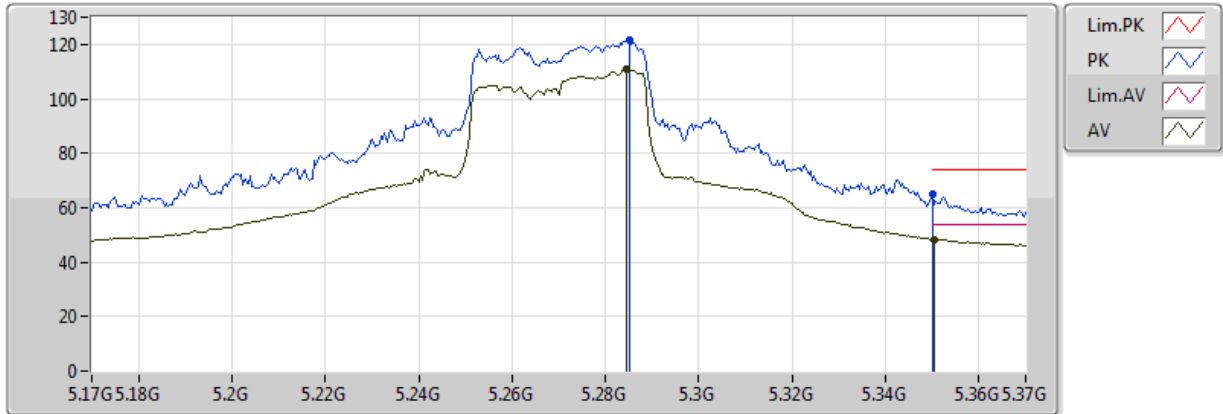
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2712G	111.39	Inf	-Inf	6.83	3	Vertical	12	1.50	-	104.56	31.83	4.81	29.80
AV	5.3504G	47.48	54.00	-6.52	6.99	3	Vertical	12	1.50	-	40.48	31.92	4.87	29.80
PK	5.2712G	120.21	Inf	-Inf	6.83	3	Vertical	12	1.50	-	113.38	31.83	4.81	29.80
PK	5.352G	62.75	74.00	-11.25	6.99	3	Vertical	12	1.50	-	55.76	31.92	4.87	29.80



802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_Beamforming

04/01/2018



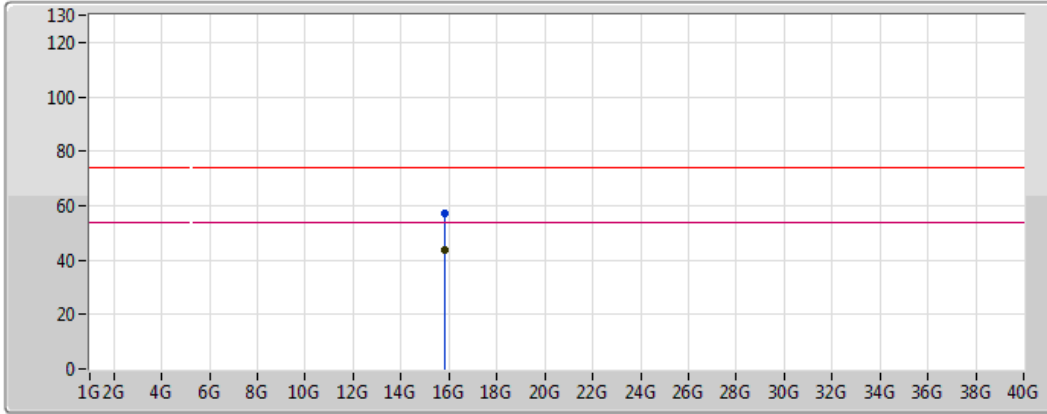
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2844G	111.01	Inf	-Inf	6.86	3	Horizontal	0	1.62	-	104.15	31.84	4.82	29.80
AV	5.3504G	48.30	54.00	-5.70	6.99	3	Horizontal	0	1.62	-	41.31	31.92	4.87	29.80
PK	5.2852G	121.61	Inf	-Inf	6.86	3	Horizontal	0	1.62	-	114.75	31.84	4.82	29.80
PK	5.350005G	65.17	74.00	-8.83	6.99	3	Horizontal	0	1.62	-	58.18	31.92	4.87	29.80



802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_Beamforming

04/01/2018



Lim.PK	
PK	
Lim.AV	
AV	

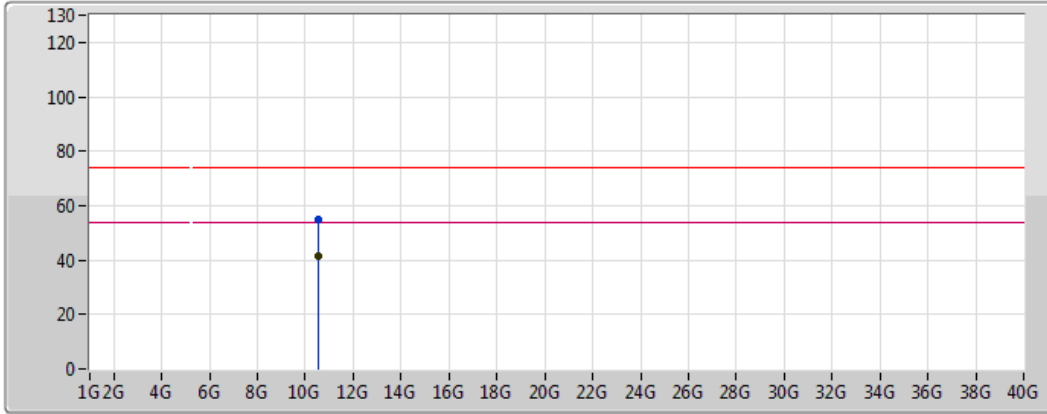
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.8188G	43.62	54.00	-10.38	12.78	3	Vertical	11	1.50	-	30.84	37.79	10.02	35.03
PK	15.8522G	57.04	74.00	-16.96	12.62	3	Vertical	11	1.50	-	44.42	37.66	10.03	35.07



802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz_Beamforming

04/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

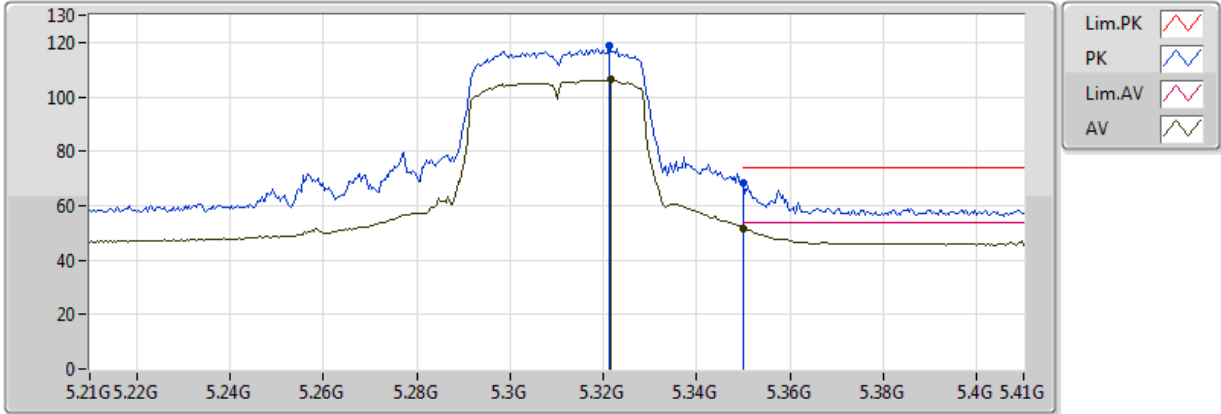
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.5658G	41.35	54.00	-12.65	12.88	3	Horizontal	154	1.50	-	28.47	39.79	8.02	34.94
PK	10.5116G	54.95	74.00	-19.05	12.74	3	Horizontal	154	1.50	-	42.22	39.72	8.00	34.98



802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_Beamforming

03/01/2018



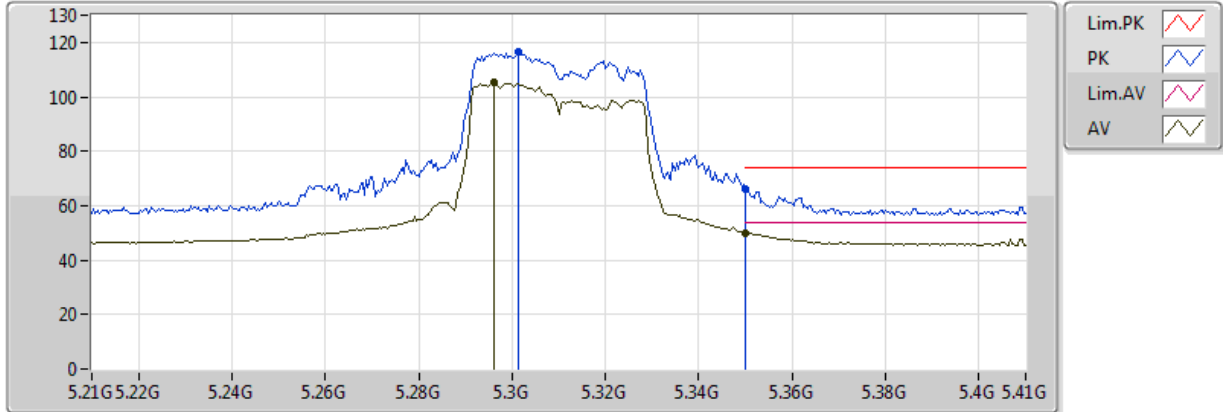
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3216G	106.51	Inf	-Inf	6.93	3	Vertical	359	1.50	-	99.57	31.89	4.85	29.80
AV	5.350005G	51.79	54.00	-2.21	6.99	3	Vertical	359	1.50	-	44.80	31.92	4.87	29.80
PK	5.3212G	118.55	Inf	-Inf	6.93	3	Vertical	359	1.50	-	111.62	31.89	4.85	29.80
PK	5.350005G	68.51	74.00	-5.49	6.99	3	Vertical	359	1.50	-	61.52	31.92	4.87	29.80



802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_Beamforming

03/01/2018



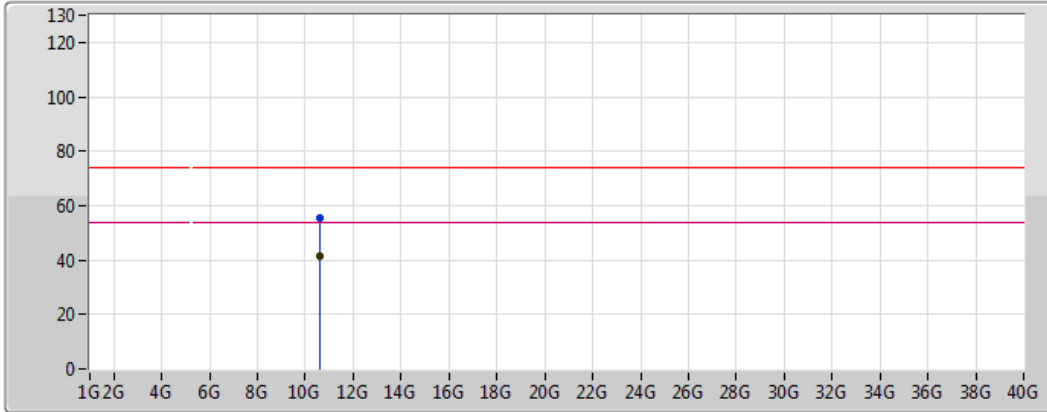
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.296G	105.21	Inf	-Inf	6.88	3	Horizontal	0	1.56	-	98.33	31.86	4.83	29.80
AV	5.350005G	49.88	54.00	-4.12	6.99	3	Horizontal	0	1.56	-	42.89	31.92	4.87	29.80
PK	5.3012G	116.69	Inf	-Inf	6.89	3	Horizontal	0	1.56	-	109.80	31.86	4.83	29.80
PK	5.350005G	66.13	74.00	-7.87	6.99	3	Horizontal	0	1.56	-	59.14	31.92	4.87	29.80



802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_Beamforming

04/01/2018



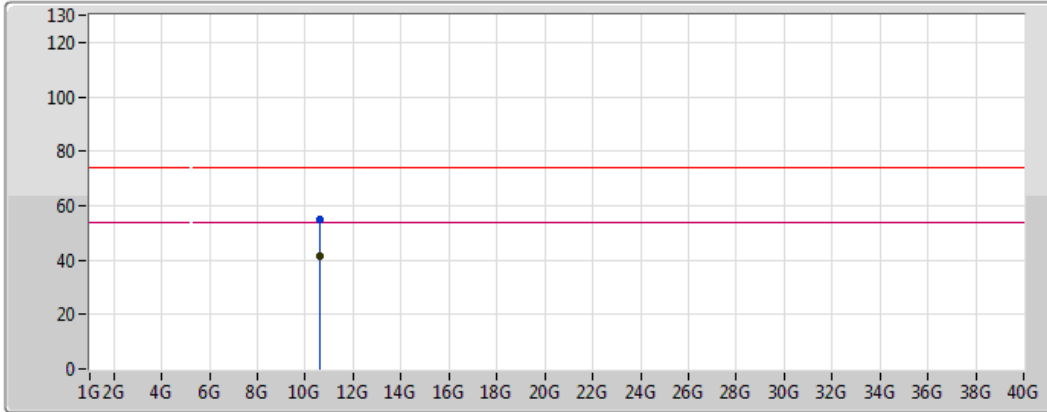
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.6026G	41.21	54.00	-12.79	12.98	3	Vertical	145	1.50	-	28.24	39.84	8.04	34.91
PK	10.6176G	55.22	74.00	-18.78	13.02	3	Vertical	145	1.50	-	42.21	39.86	8.05	34.90



802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz_Beamforming

04/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

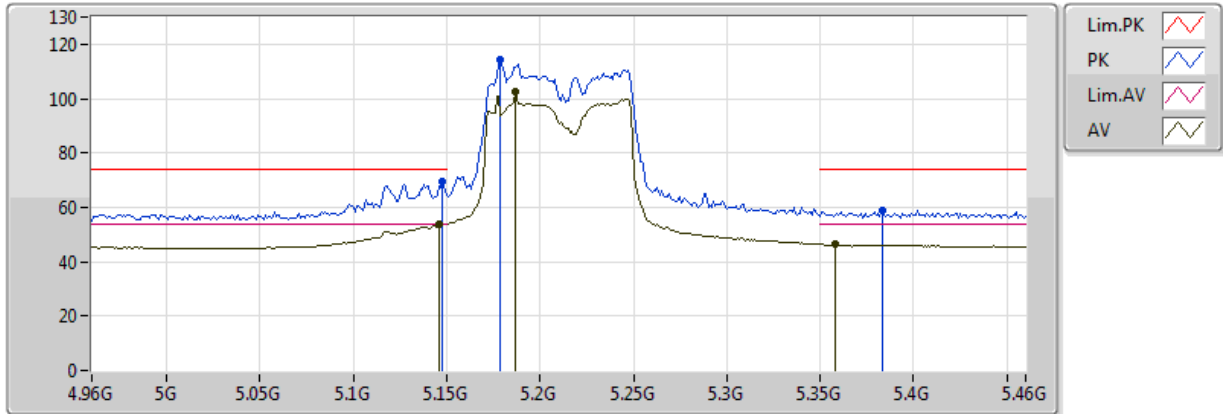
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.6048G	41.28	54.00	-12.72	12.98	3	Horizontal	226	1.50	-	28.30	39.85	8.04	34.91
PK	10.6288G	54.83	74.00	-19.17	13.05	3	Horizontal	226	1.50	-	41.79	39.88	8.05	34.89



802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_Beamforming

03/01/2018



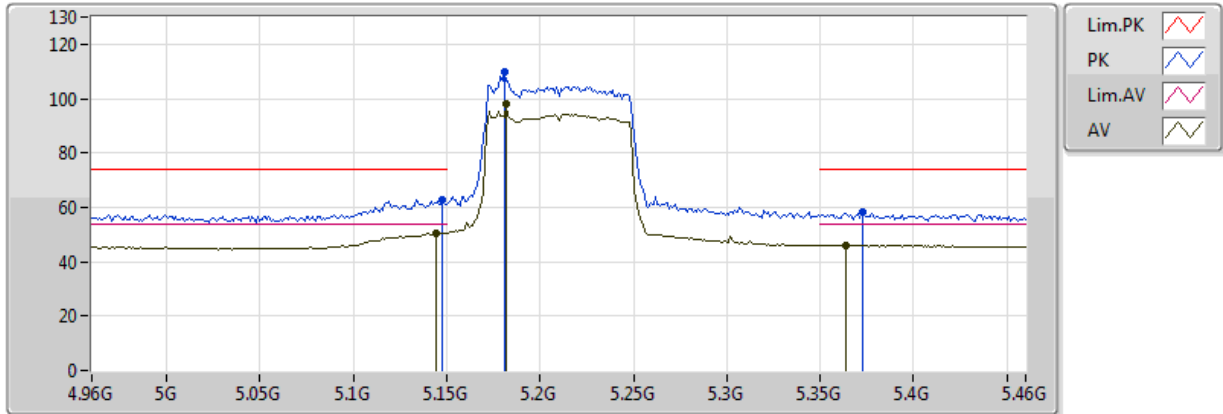
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.146G	53.74	54.00	-0.26	6.58	3	Vertical	360	1.50	-	47.16	31.68	4.72	29.81
AV	5.187G	102.34	Inf	-Inf	6.66	3	Vertical	360	1.50	-	95.68	31.72	4.75	29.81
AV	5.358G	46.37	54.00	-7.63	7.01	3	Vertical	360	1.50	-	39.37	31.93	4.88	29.80
PK	5.148G	69.42	74.00	-4.58	6.59	3	Vertical	360	1.50	-	62.84	31.68	4.72	29.81
PK	5.179G	114.11	Inf	-Inf	6.65	3	Vertical	360	1.50	-	107.46	31.71	4.74	29.81
PK	5.383G	59.09	74.00	-14.91	7.06	3	Vertical	360	1.50	-	52.03	31.96	4.90	29.80



802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_Beamforming

03/01/2018



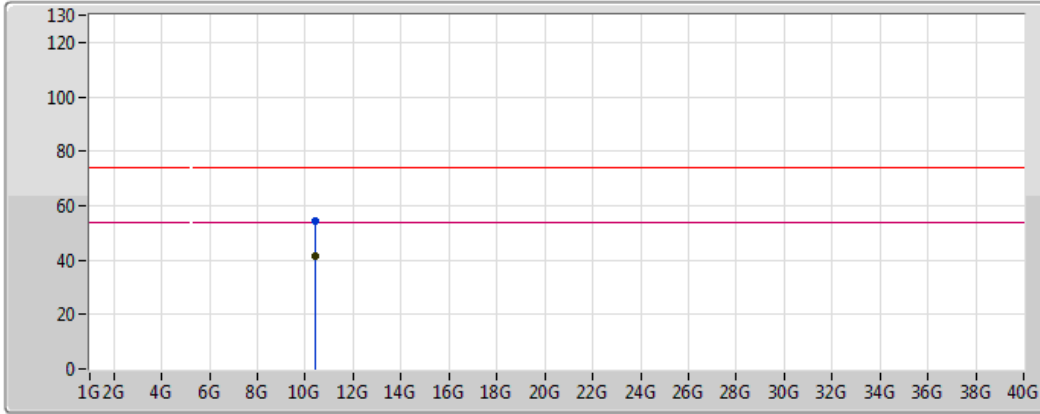
Type	Freq (Hz)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBUV)	AF (dB)	CL (dB)	PA (dB)
AV	5.144G	50.65	54.00	-3.35	6.58	3	Horizontal	16	1.75	-	44.08	31.67	4.72	29.81
AV	5.182G	98.13	Inf	-Inf	6.65	3	Horizontal	16	1.75	-	91.47	31.72	4.75	29.81
AV	5.364G	46.12	54.00	-7.88	7.02	3	Horizontal	16	1.75	-	39.10	31.94	4.88	29.80
PK	5.148G	62.95	74.00	-11.05	6.59	3	Horizontal	16	1.75	-	56.36	31.68	4.72	29.81
PK	5.181G	109.58	Inf	-Inf	6.65	3	Horizontal	16	1.75	-	102.93	31.72	4.74	29.81
PK	5.373G	58.31	74.00	-15.69	7.04	3	Horizontal	16	1.75	-	51.27	31.95	4.89	29.80



802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_Beamforming

04/01/2018



Lim.PK	
PK	
Lim.AV	
AV	

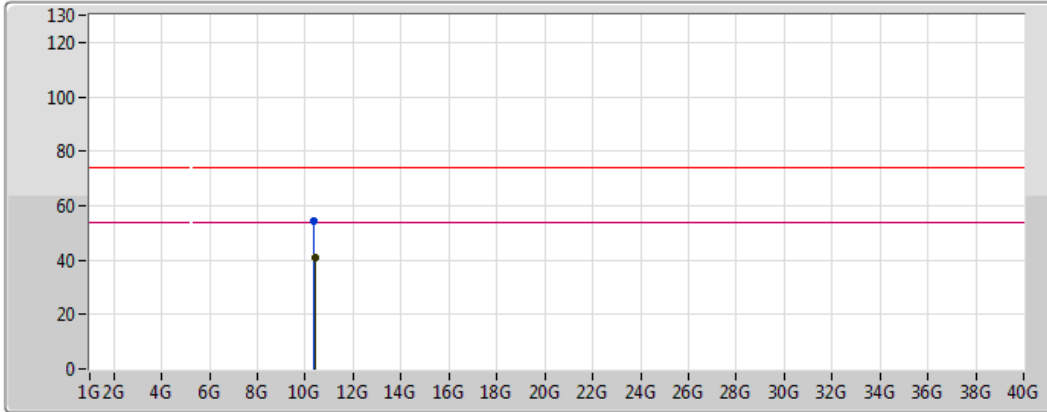
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.3914G	41.20	54.00	-12.80	12.42	3	Vertical	162	1.50	-	28.78	39.55	7.95	35.08
PK	10.4172G	54.50	74.00	-19.50	12.49	3	Vertical	162	1.50	-	42.02	39.58	7.96	35.06



802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_Beamforming

04/01/2018



Legend for the spectrum plot:

- Lim.PK: Red line with a peak icon
- PK: Blue line with a peak icon
- Lim.AV: Pink line with a peak icon
- AV: Black line with a peak icon

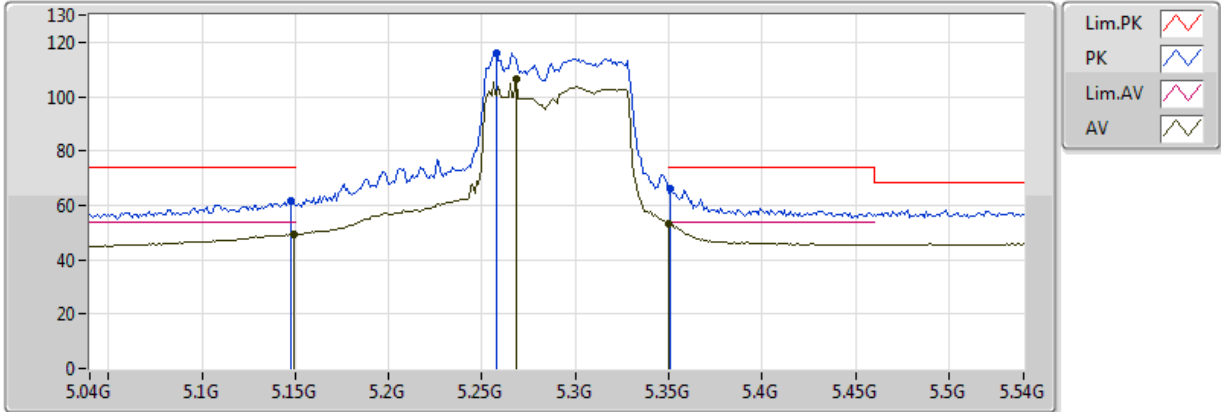
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.3948G	41.10	54.00	-12.90	12.43	3	Horizontal	217	1.50	-	28.67	39.55	7.95	35.07
PK	10.3718G	54.51	74.00	-19.49	12.37	3	Horizontal	217	1.50	-	42.15	39.52	7.94	35.09



802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_Beamforming

03/01/2018



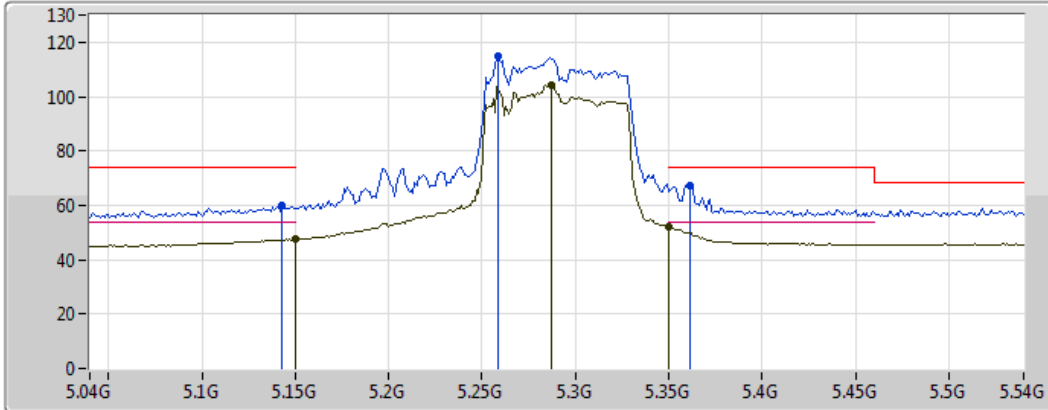
Type	Freq (Hz)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBUV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149G	49.36	54.00	-4.64	6.59	3	Vertical	0	1.43	-	42.78	31.68	4.72	29.81
AV	5.268G	106.43	Inf	-Inf	6.83	3	Vertical	0	1.43	-	99.61	31.82	4.81	29.80
AV	5.350005G	53.15	54.00	-0.85	6.99	3	Vertical	0	1.43	-	46.16	31.92	4.87	29.80
PK	5.148G	61.85	74.00	-12.15	6.59	3	Vertical	0	1.43	-	55.26	31.68	4.72	29.81
PK	5.258G	116.26	Inf	-Inf	6.81	3	Vertical	0	1.43	-	109.45	31.81	4.80	29.80
PK	5.351G	65.91	74.00	-8.09	6.99	3	Vertical	0	1.43	-	58.92	31.92	4.87	29.80



802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_Beamforming

03/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

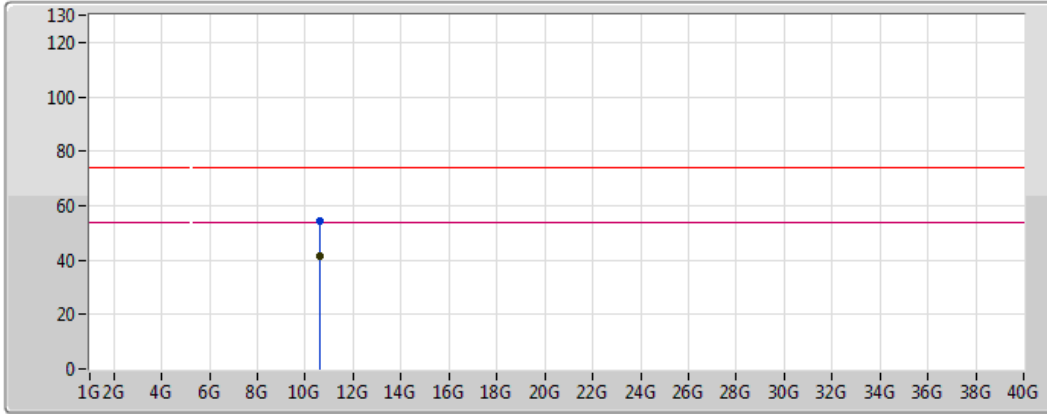
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	47.51	54.00	-6.49	6.59	3	Horizontal	360	1.62	-	40.92	31.68	4.72	29.81
AV	5.287G	104.31	Inf	-Inf	6.86	3	Horizontal	360	1.62	-	97.45	31.84	4.82	29.80
AV	5.350005G	52.19	54.00	-1.81	6.99	3	Horizontal	360	1.62	-	45.20	31.92	4.87	29.80
PK	5.143G	59.75	74.00	-14.25	6.58	3	Horizontal	360	1.62	-	53.17	31.67	4.71	29.81
PK	5.259G	114.67	Inf	-Inf	6.81	3	Horizontal	360	1.62	-	107.86	31.81	4.80	29.80
PK	5.361G	67.44	74.00	-6.56	7.01	3	Horizontal	360	1.62	-	60.42	31.93	4.88	29.80



802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_Beamforming

04/01/2018



Legend for the spectrum plot:

- Lim.PK
- PK
- Lim.AV
- AV

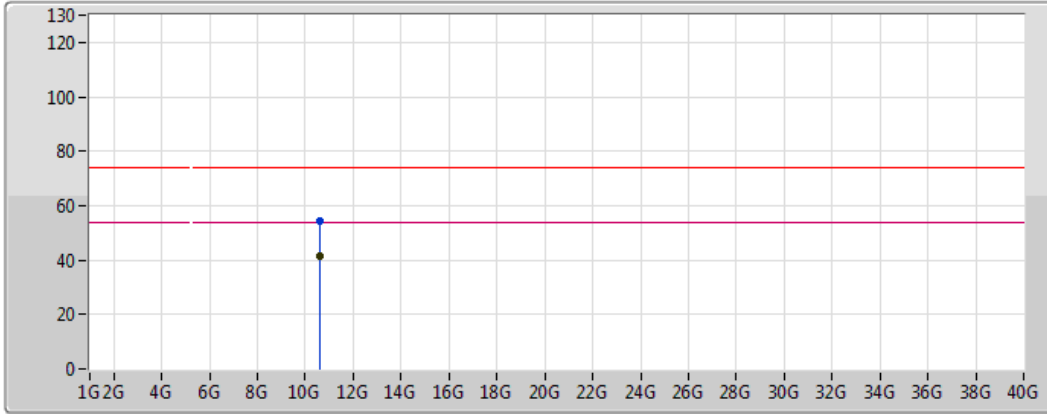
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.6008G	41.26	54.00	-12.74	12.97	3	Vertical	53	1.50	-	28.29	39.84	8.04	34.91
PK	10.6266G	54.48	74.00	-19.52	13.04	3	Vertical	53	1.50	-	41.43	39.88	8.05	34.89



802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz_Beamforming

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Lim.PK	
PK	
Lim.AV	
AV	

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.5942G	41.27	54.00	-12.73	12.95	3	Horizontal	225	1.50	-	28.31	39.83	8.04	34.91
PK	10.5962G	54.44	74.00	-19.56	12.96	3	Horizontal	225	1.50	-	41.48	39.83	8.04	34.91



Summary

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
5.25-5.35GHz	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	5.3G	5.30003903G	7.364	20	1	5 min



Result

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-
5300MHz_-10°C	Pass	5.3G	5.30003407G	6.428	20	1	0 min
5300MHz_-10°C	Pass	5.3G	5.30003404G	6.422	20	1	2 min
5300MHz_-10°C	Pass	5.3G	5.30003406G	6.426	20	1	5 min
5300MHz_-10°C	Pass	5.3G	5.30003405G	6.424	20	1	10 min
5300MHz_0°C	Pass	5.3G	5.300039G	7.359	20	1	0 min
5300MHz_0°C	Pass	5.3G	5.30003897G	7.353	20	1	2 min
5300MHz_0°C	Pass	5.3G	5.30003903G	7.364	20	1	5 min
5300MHz_0°C	Pass	5.3G	5.30003902G	7.362	20	1	10 min
5300MHz_10°C	Pass	5.3G	5.3000309G	5.83	20	1	0 min
5300MHz_10°C	Pass	5.3G	5.30003103G	5.855	20	1	2 min
5300MHz_10°C	Pass	5.3G	5.30003082G	5.815	20	1	5 min
5300MHz_10°C	Pass	5.3G	5.30003097G	5.844	20	1	10 min
5300MHz_20°C	Pass	5.3G	5.30001448G	2.732	20	1	0 min
5300MHz_20°C	Pass	5.3G	5.30001446G	2.729	20	1	2 min
5300MHz_20°C	Pass	5.3G	5.30001443G	2.723	20	1	5 min
5300MHz_20°C	Pass	5.3G	5.30001437G	2.712	20	1	10 min
5300MHz_30°C	Pass	5.3G	5.29997538G	4.645	20	1	0 min
5300MHz_30°C	Pass	5.3G	5.29997532G	4.657	20	1	2 min
5300MHz_30°C	Pass	5.3G	5.29997534G	4.653	20	1	5 min
5300MHz_30°C	Pass	5.3G	5.29997529G	4.662	20	1	10 min
5300MHz_40°C	Pass	5.3G	5.29997836G	4.084	20	1	0 min
5300MHz_40°C	Pass	5.3G	5.29997834G	4.087	20	1	2 min
5300MHz_40°C	Pass	5.3G	5.2999783G	4.094	20	1	5 min
5300MHz_40°C	Pass	5.3G	5.29997832G	4.09	20	1	10 min
5300MHz_50°C	Pass	5.3G	5.2999797G	3.831	20	1	0 min
5300MHz_50°C	Pass	5.3G	5.2999797G	3.831	20	1	2 min
5300MHz_50°C	Pass	5.3G	5.29997969G	3.833	20	1	5 min
5300MHz_50°C	Pass	5.3G	5.29997968G	3.835	20	1	10 min
5300MHz_60°C	Pass	5.3G	5.29998087G	3.609	20	1	0 min
5300MHz_60°C	Pass	5.3G	5.29998084G	3.614	20	1	2 min
5300MHz_60°C	Pass	5.3G	5.29998084G	3.615	20	1	5 min
5300MHz_60°C	Pass	5.3G	5.29998084G	3.615	20	1	10 min
5300MHz_70°C	Pass	5.3G	5.29998187G	3.421	20	1	0 min
5300MHz_70°C	Pass	5.3G	5.29998187G	3.42	20	1	2 min
5300MHz_70°C	Pass	5.3G	5.29998187G	3.422	20	1	5 min
5300MHz_70°C	Pass	5.3G	5.29998186G	3.423	20	1	10 min
5300MHz_138V	Pass	5.3G	5.3000136G	2.565	20	1	0 min
5300MHz_138V	Pass	5.3G	5.30001358G	2.562	20	1	2 min
5300MHz_138V	Pass	5.3G	5.30001353G	2.553	20	1	5 min
5300MHz_138V	Pass	5.3G	5.3000136G	2.566	20	1	10 min
5300MHz_120V	Pass	5.3G	5.30001404G	2.649	20	1	0 min
5300MHz_120V	Pass	5.3G	5.30001399G	2.64	20	1	2 min
5300MHz_120V	Pass	5.3G	5.30001401G	2.643	20	1	5 min



Frequency Stability Result

Appendix F

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
5300MHz_120V	Pass	5.3G	5.30001401G	2.643	20	1	10 min
5300MHz_102V	Pass	5.3G	5.30001381G	2.606	20	1	0 min
5300MHz_102V	Pass	5.3G	5.30001381G	2.606	20	1	2 min
5300MHz_102V	Pass	5.3G	5.30001371G	2.588	20	1	5 min
5300MHz_102V	Pass	5.3G	5.30001373G	2.59	20	1	10 min