



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.05M	12.686M	12M7G1D	7.05M	12.157M
802.11g_Nss1,(6Mbps)_2TX	16.3M	16.902M	16M9D1D	14.2M	16.367M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	18.625M	18.968M	19M0D1D	17.425M	18.766M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	37.55M	37.631M	37M6D1D	35.05M	37.566M

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;  
 Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

Result

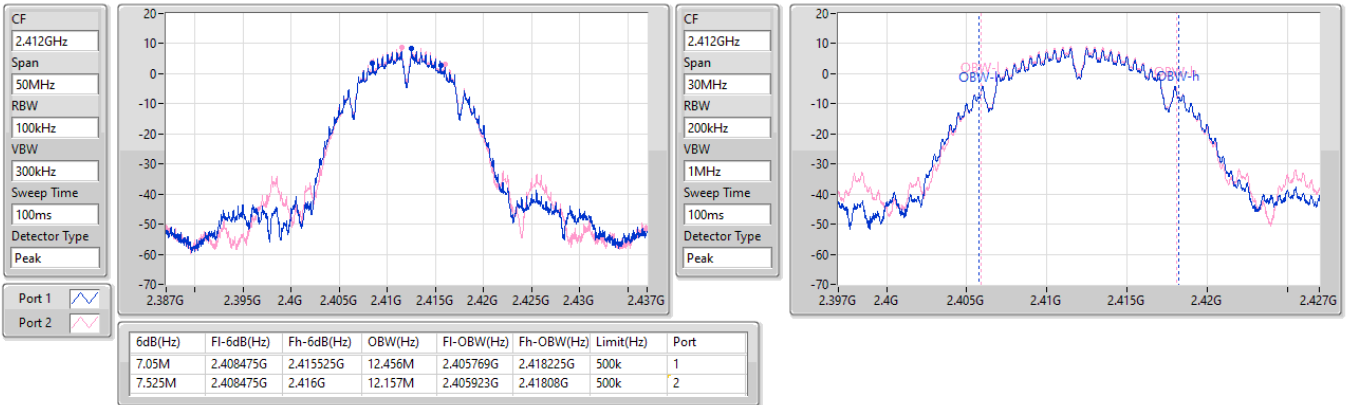
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.05M	12.456M	7.525M	12.157M
2437MHz	Pass	500k	7.525M	12.686M	8M	12.379M
2462MHz	Pass	500k	8.05M	12.621M	8.025M	12.477M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	14.2M	16.411M	15.05M	16.367M
2437MHz	Pass	500k	16.3M	16.887M	15.9M	16.741M
2462MHz	Pass	500k	15.675M	16.902M	15.675M	16.741M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
2412MHz	Pass	500k	18.35M	18.766M	18.25M	18.778M
2437MHz	Pass	500k	18.625M	18.968M	18.225M	18.949M
2462MHz	Pass	500k	17.425M	18.944M	18.6M	18.955M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
2422MHz	Pass	500k	37.05M	37.63M	37.55M	37.606M
2437MHz	Pass	500k	37.3M	37.566M	35.05M	37.566M
2452MHz	Pass	500k	36.9M	37.631M	36.35M	37.606M

Port X-N dB = Port X 6dB down bandwidth;  
 Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

EBW

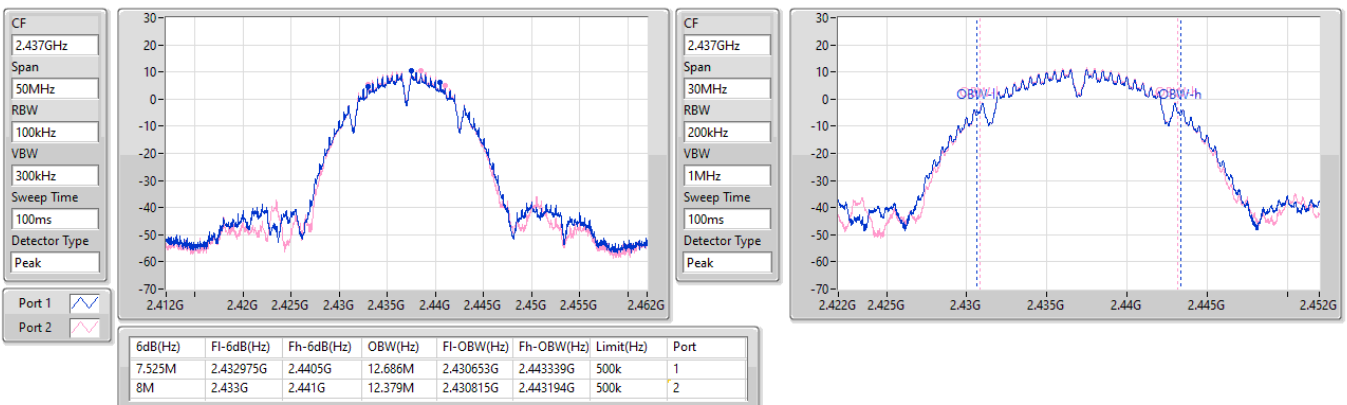
2412MHz



2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

EBW

2437MHz



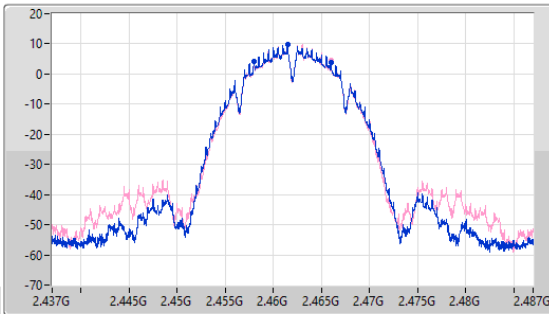


2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

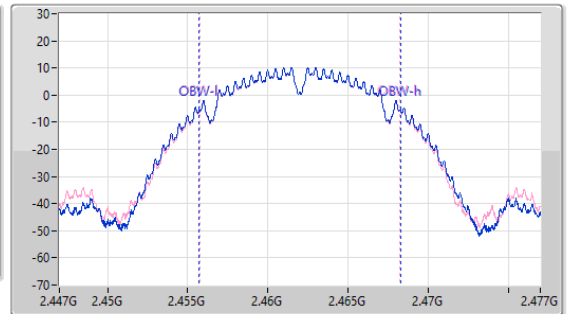
EBW

2462MHz

CF: 2.462GHz  
 Span: 50MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 2.462GHz  
 Span: 30MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



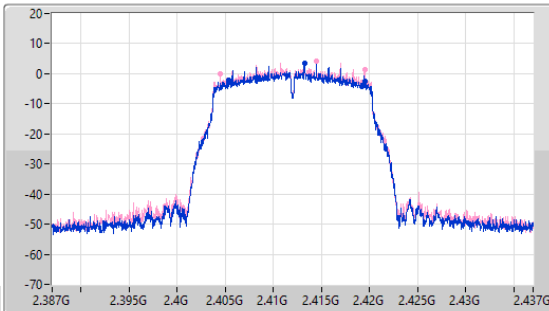
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.457975G	2.466025G	12.621M	2.455675G	2.468296G	500k	1
8.025M	2.457975G	2.466G	12.477M	2.455754G	2.468232G	500k	2

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

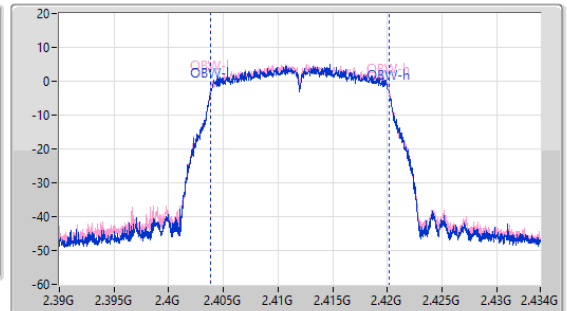
EBW

2412MHz

CF: 2.412GHz  
 Span: 50MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 2.412GHz  
 Span: 44MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.2M	2.40535G	2.41955G	16.411M	2.403799G	2.42021G	500k	1
15.05M	2.40445G	2.4195G	16.367M	2.403815G	2.420182G	500k	2

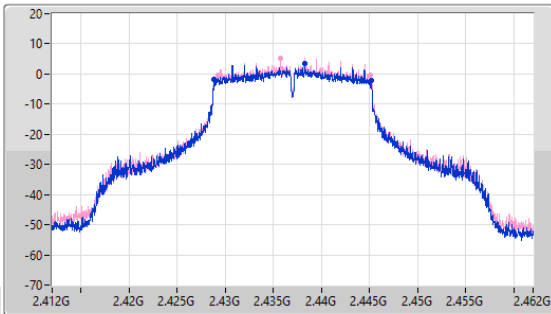


2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

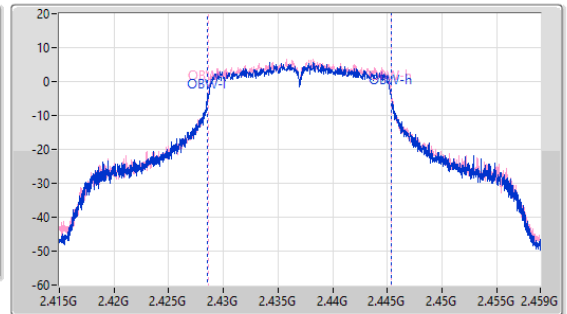
EBW

2437MHz

CF: 2.437GHz  
 Span: 50MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 2.437GHz  
 Span: 44MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



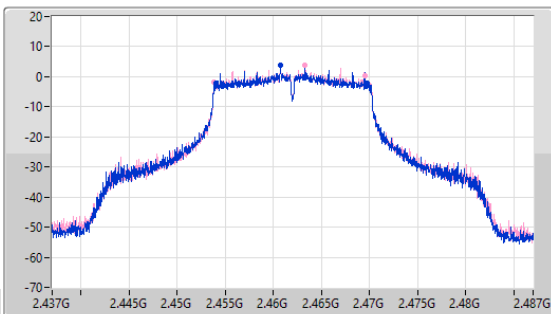
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.42885G	2.44515G	16.887M	2.428521G	2.445407G	500k	1
15.9M	2.429225G	2.445125G	16.741M	2.42863G	2.445371G	500k	2

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

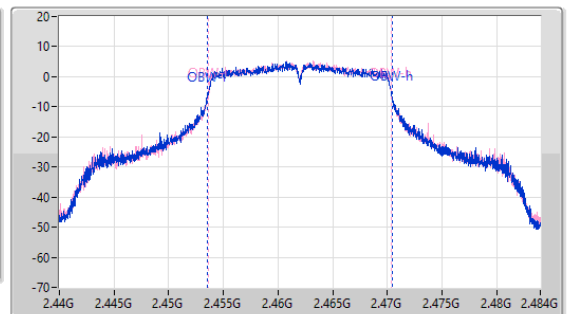
EBW

2462MHz

CF: 2.462GHz  
 Span: 50MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 2.462GHz  
 Span: 44MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



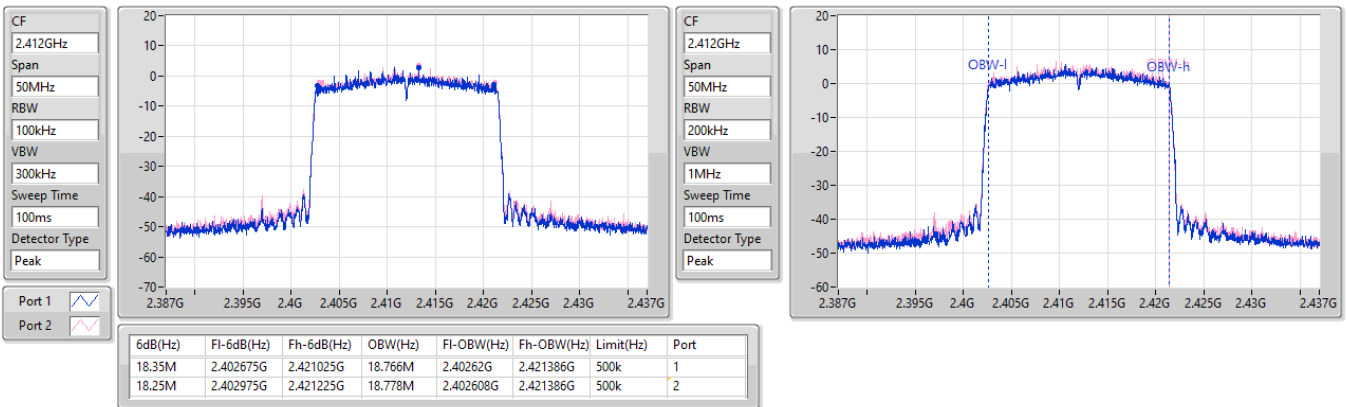
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.675M	2.454075G	2.46975G	16.902M	2.453524G	2.470426G	500k	1
15.675M	2.45385G	2.469525G	16.741M	2.453635G	2.470376G	500k	2



2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

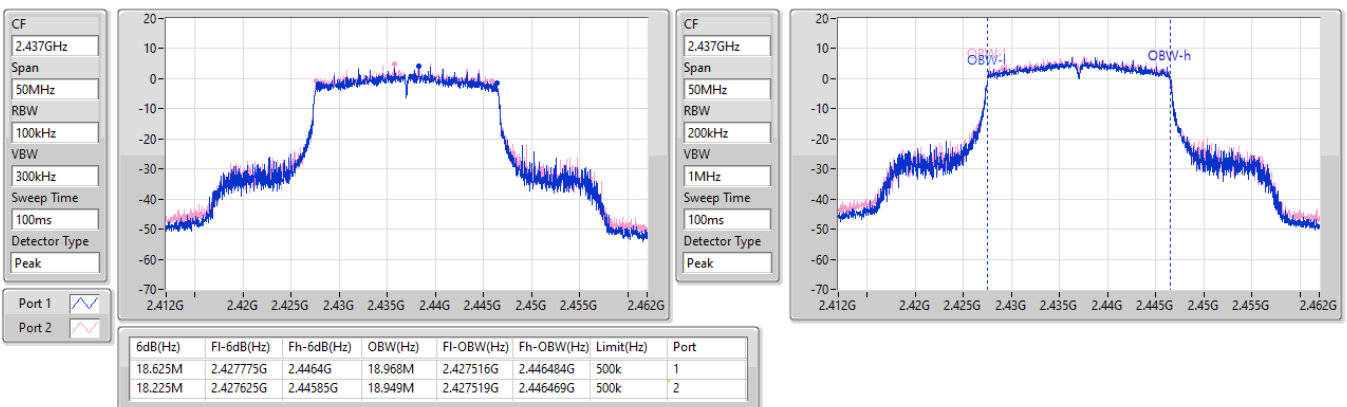
2412MHz



2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2437MHz



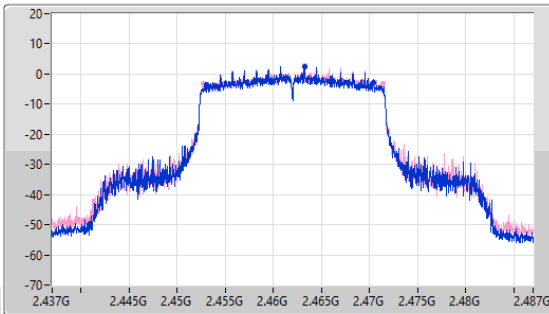


2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

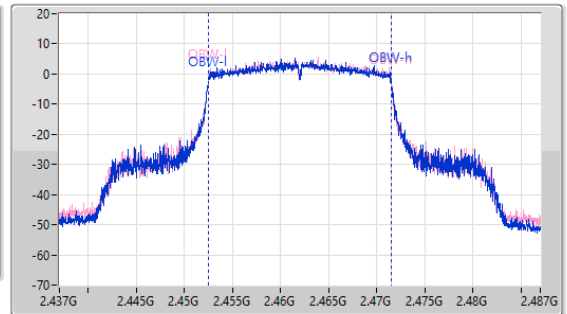
EBW

2462MHz

CF: 2.462GHz  
 Span: 50MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 2.462GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



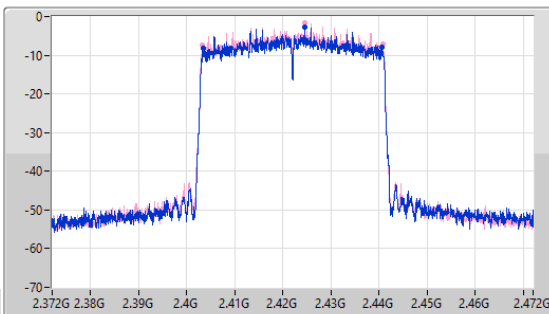
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.425M	2.453025G	2.47045G	18.944M	2.452516G	2.471461G	500k	1
18.6M	2.45275G	2.47135G	18.955M	2.45252G	2.471475G	500k	2

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

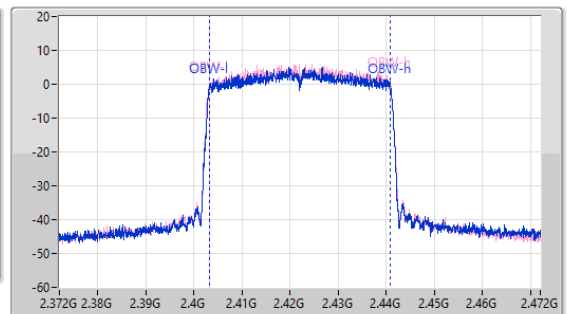
EBW

2422MHz

CF: 2.422GHz  
 Span: 100MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 2.422GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.05M	2.4035G	2.44055G	37.63M	2.403199G	2.440828G	500k	1
37.55M	2.4032G	2.44075G	37.606M	2.403203G	2.44081G	500k	2

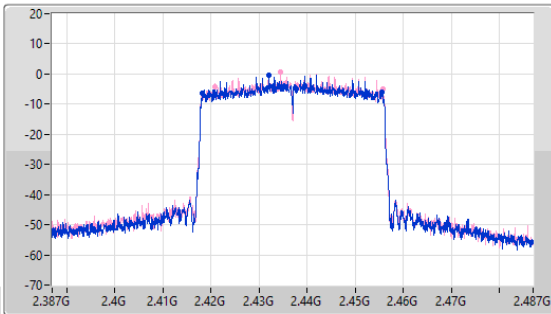


2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

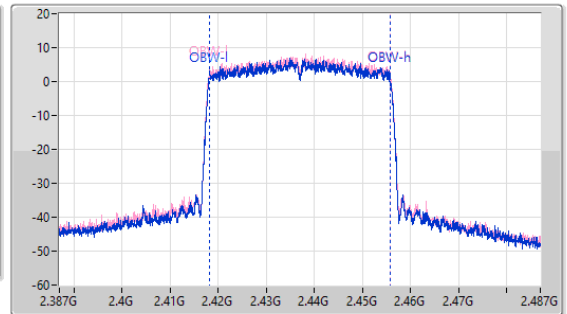
EBW

2437MHz

CF: 2.437GHz  
 Span: 100MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 2.437GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Port 1: [Waveform icon]  
 Port 2: [Waveform icon]

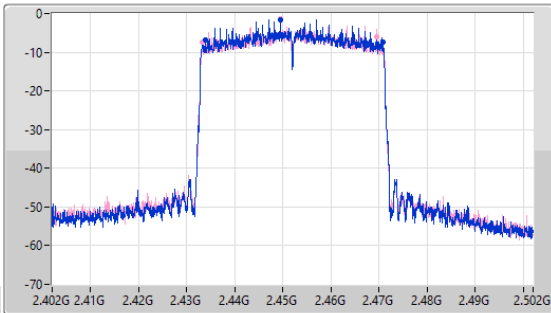
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.3M	2.4183G	2.4556G	37.566M	2.418167G	2.455733G	500k	1
35.05M	2.42075G	2.4558G	37.566M	2.4182G	2.455766G	500k	2

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

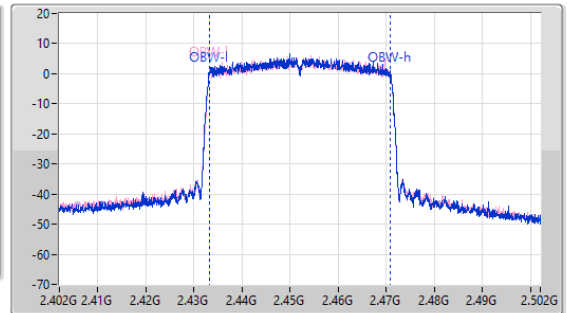
EBW

2452MHz

CF: 2.452GHz  
 Span: 100MHz  
 RBW: 100kHz  
 VBW: 300kHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 2.452GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



Port 1: [Waveform icon]  
 Port 2: [Waveform icon]

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.9M	2.4338G	2.4707G	37.631M	2.433164G	2.470795G	500k	1
36.35M	2.4332G	2.46955G	37.606M	2.433183G	2.470788G	500k	2



**Non-beamforming mode**

**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.72	0.29648
802.11g_Nss1,(6Mbps)_2TX	26.42	0.43853
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	26.58	0.45499
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	25.77	0.37757

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40	18.78	19.69	22.27	30.00	24.67	36.00
2437MHz	Pass	2.40	21.26	22.11	24.72	30.00	27.12	36.00
2462MHz	Pass	2.40	20.81	20.65	23.74	30.00	26.14	36.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40	23.22	23.36	26.30	30.00	28.70	36.00
2437MHz	Pass	2.40	23.29	23.52	26.42	30.00	28.82	36.00
2462MHz	Pass	2.40	22.61	22.32	25.48	30.00	27.88	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40	22.62	23.05	25.85	30.00	28.25	36.00
2437MHz	Pass	2.40	23.31	23.81	26.58	30.00	28.98	36.00
2462MHz	Pass	2.40	21.78	21.43	24.62	30.00	27.02	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	2.40	20.31	20.96	23.66	30.00	26.06	36.00
2437MHz	Pass	2.40	22.14	23.31	25.77	30.00	28.17	36.00
2452MHz	Pass	2.40	21.19	21.04	24.13	30.00	26.53	36.00

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





Non-beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	22.04	0.15996
802.11g_Nss1,(6Mbps)_2TX	18.79	0.07568
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	18.93	0.07816
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	17.13	0.05164

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40	16.26	16.96	19.63	-	22.03	-
2437MHz	Pass	2.40	18.63	19.39	22.04	-	24.44	-
2462MHz	Pass	2.40	18.18	18.12	21.16	-	23.56	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40	14.23	15.13	17.71	-	20.11	-
2437MHz	Pass	2.40	15.37	16.16	18.79	-	21.19	-
2462MHz	Pass	2.40	14.82	14.71	17.78	-	20.18	-
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40	13.72	14.59	17.19	-	19.59	-
2437MHz	Pass	2.40	15.57	16.25	18.93	-	21.33	-
2462MHz	Pass	2.40	13.86	13.76	16.82	-	19.22	-
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	2.40	11.71	12.22	14.98	-	17.38	-
2437MHz	Pass	2.40	13.78	14.43	17.13	-	19.53	-
2452MHz	Pass	2.40	12.32	12.35	15.35	-	17.75	-

DG = Directional Gain; Port X = Port X output power  
Note : Conducted average output power is for reference



**Beamforming mode**

**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	23.57	0.22751
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	22.76	0.18880

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	5.41	19.61	20.04	22.84	30.00	28.25	36.00
2437MHz	Pass	5.41	20.3	20.8	23.57	30.00	28.98	36.00
2462MHz	Pass	5.41	18.77	18.42	21.61	30.00	27.02	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	5.41	17.3	17.95	20.65	30.00	26.06	36.00
2437MHz	Pass	5.41	19.13	20.3	22.76	30.00	28.17	36.00
2452MHz	Pass	5.41	18.18	18.03	21.12	30.00	26.53	36.00

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

Remarks:

Directional gain =  $2.4 + 10 \cdot \log(2/1) = 5.41$  dBi



**Beamforming mode**

**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	15.92	0.03908
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	14.12	0.02582

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	5.41	10.71	11.58	14.18	-	19.59	-
2437MHz	Pass	5.41	12.56	13.24	15.92	-	21.33	-
2462MHz	Pass	5.41	10.85	10.75	13.81	-	19.22	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	5.41	8.7	9.21	11.97	-	17.38	-
2437MHz	Pass	5.41	10.77	11.42	14.12	-	19.53	-
2452MHz	Pass	5.41	9.31	9.34	12.34	-	17.75	-

DG = Directional Gain; Port X = Port X output power  
Note : Conducted average output power is for reference

Remarks:

Directional gain =  $2.4 + 10 \cdot \log(2/1) = 5.41$  dBi



**Non-beamforming mode**

**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.28	0.26792
802.11g_Nss1,(6Mbps)_2TX	26.21	0.41783
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	27.02	0.50350
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	25.68	0.36983

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40	18.93	18.94	21.95	30.00	24.35	36.00
2437MHz	Pass	2.40	21.33	21.21	24.28	30.00	26.68	36.00
2462MHz	Pass	2.40	20.56	20.09	23.34	30.00	25.74	36.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40	22.78	23.41	26.12	30.00	28.52	36.00
2437MHz	Pass	2.40	23.34	23.06	26.21	30.00	28.61	36.00
2462MHz	Pass	2.40	22.56	22.12	25.36	30.00	27.76	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40	22.84	22.9	25.88	30.00	28.28	36.00
2437MHz	Pass	2.40	24.21	23.81	27.02	30.00	29.42	36.00
2462MHz	Pass	2.40	21.52	21.37	24.46	30.00	26.86	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	2.40	21.02	21.21	24.13	30.00	26.53	36.00
2437MHz	Pass	2.40	22.86	22.47	25.68	30.00	28.08	36.00
2452MHz	Pass	2.40	21.71	21.62	24.68	30.00	27.08	36.00

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



**Non-beamforming mode**

**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	21.75	0.14962
802.11g_Nss1,(6Mbps)_2TX	18.46	0.07015
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	18.92	0.07798
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	16.84	0.04831

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40	16.32	16.33	19.34	-	21.74	-
2437MHz	Pass	2.40	18.86	18.61	21.75	-	24.15	-
2462MHz	Pass	2.40	18.05	17.57	20.83	-	23.23	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40	14.34	14.47	17.42	-	19.82	-
2437MHz	Pass	2.40	15.55	15.34	18.46	-	20.86	-
2462MHz	Pass	2.40	14.68	14.42	17.56	-	19.96	-
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	2.40	13.89	14.03	16.97	-	19.37	-
2437MHz	Pass	2.40	16.02	15.79	18.92	-	21.32	-
2462MHz	Pass	2.40	13.78	13.51	16.66	-	19.06	-
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	2.40	11.69	11.79	14.75	-	17.15	-
2437MHz	Pass	2.40	13.85	13.81	16.84	-	19.24	-
2452MHz	Pass	2.40	12.42	12.06	15.25	-	17.65	-

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

Note : Conducted average output power is for reference



**Beamforming mode**

**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	24.01	0.25177
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	22.67	0.18493

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	5.41	19.83	19.89	22.87	30.00	28.28	36.00
2437MHz	Pass	5.41	21.2	20.8	24.01	30.00	29.42	36.00
2462MHz	Pass	5.41	18.51	18.36	21.45	30.00	26.86	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	5.41	18.01	18.2	21.12	30.00	26.53	36.00
2437MHz	Pass	5.41	19.85	19.46	22.67	30.00	28.08	36.00
2452MHz	Pass	5.41	18.7	18.61	21.67	30.00	27.08	36.00

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

Remarks:

Directional gain =  $2.4 + 10 \cdot \log(2/1) = 5.41$  dBi



**Beamforming mode**

**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	15.91	0.03899
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	13.83	0.02415

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2412MHz	Pass	5.41	10.88	11.02	13.96	-	19.37	-
2437MHz	Pass	5.41	13.01	12.78	15.91	-	21.32	-
2462MHz	Pass	5.41	10.77	10.5	13.65	-	19.06	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-
2422MHz	Pass	5.41	8.68	8.78	11.74	-	17.15	-
2437MHz	Pass	5.41	10.84	10.8	13.83	-	19.24	-
2452MHz	Pass	5.41	9.41	9.05	12.24	-	17.65	-

DG = Directional Gain; Port X = Port X output power  
Note : Conducted average output power is for reference

Remarks:  
Directional gain =  $2.4 + 10 \cdot \log(2/1) = 5.41$  dBi



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-2.02
802.11g_Nss1,(6Mbps)_2TX	-6.71
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-8.07
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-12.79

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.41	-5.25	-5.62	-3.64	8.00
2437MHz	Pass	5.41	-3.90	-4.07	-2.04	8.00
2462MHz	Pass	5.41	-3.51	-4.63	-2.02	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.41	-10.80	-9.48	-7.98	8.00
2437MHz	Pass	5.41	-8.74	-8.40	-6.71	8.00
2462MHz	Pass	5.41	-9.03	-9.88	-7.73	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
2412MHz	Pass	5.41	-11.63	-10.24	-9.09	8.00
2437MHz	Pass	5.41	-10.41	-10.15	-8.07	8.00
2462MHz	Pass	5.41	-12.14	-12.62	-10.68	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
2422MHz	Pass	5.41	-16.93	-15.90	-14.70	8.00
2437MHz	Pass	5.41	-15.53	-13.68	-12.79	8.00
2452MHz	Pass	5.41	-16.33	-15.49	-14.58	8.00

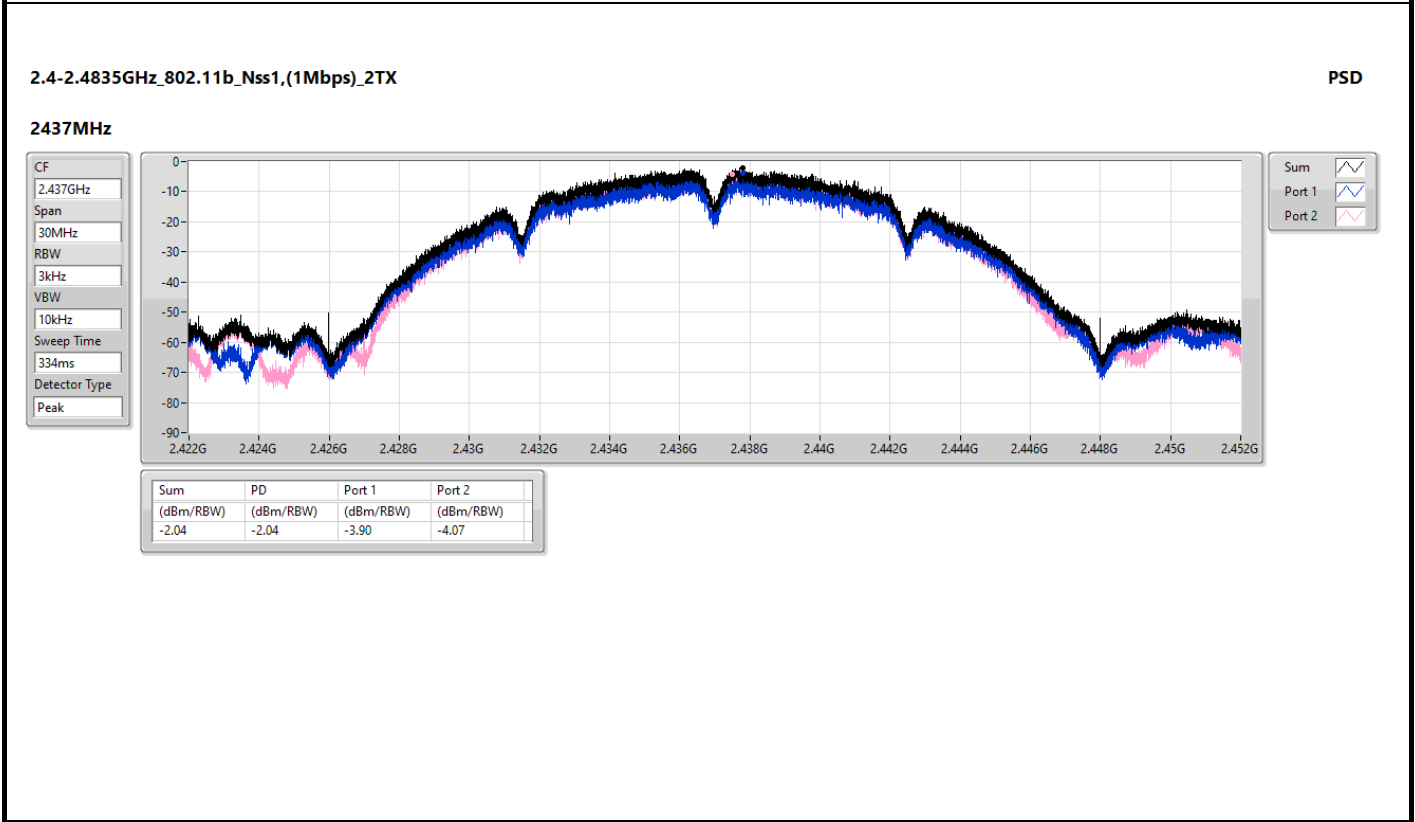
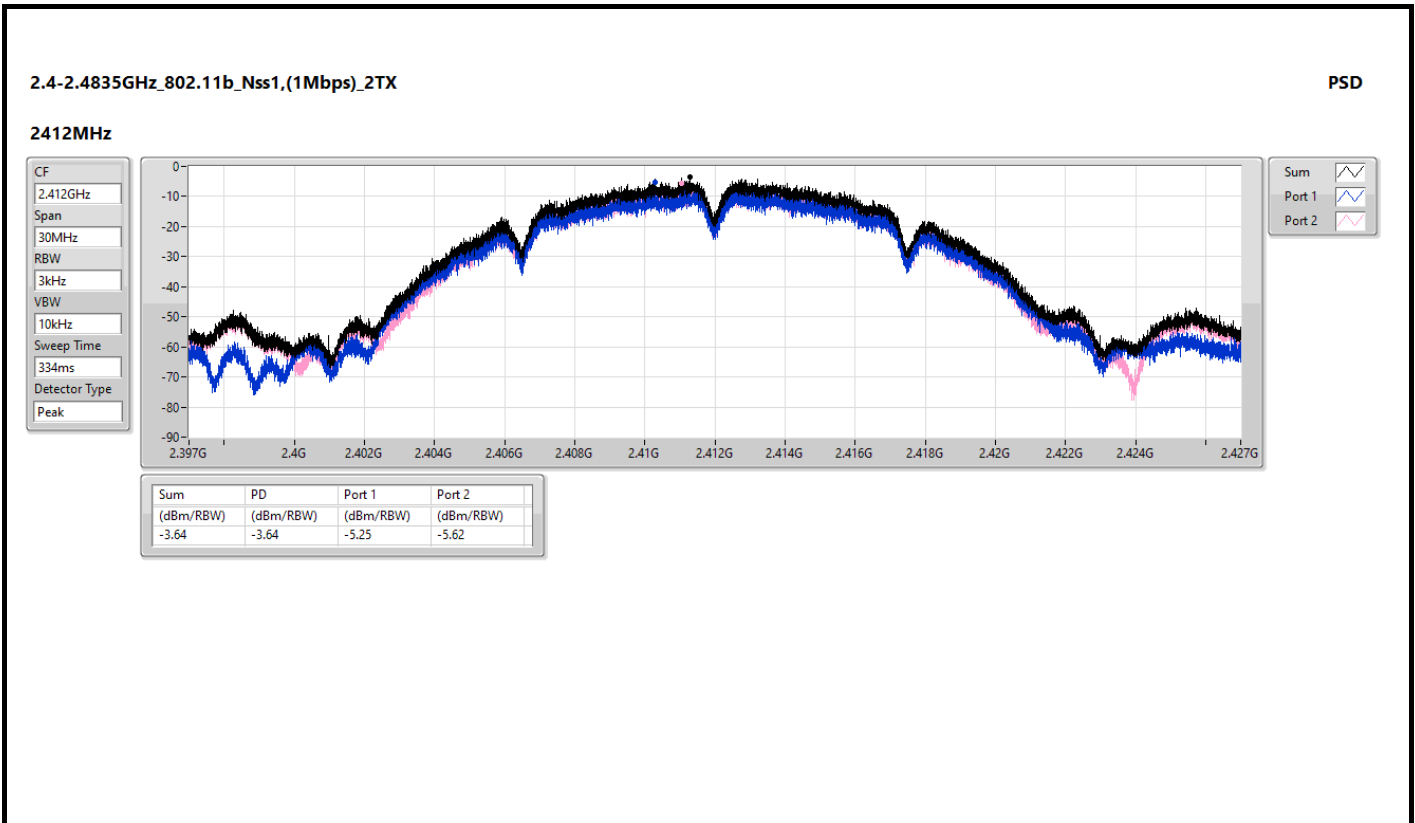
DG = Directional Gain; RBW = 3kHz;

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

Remarks:

Directional gain =  $2.4 + 10 \cdot \log(2/1) = 5.41$  dBi





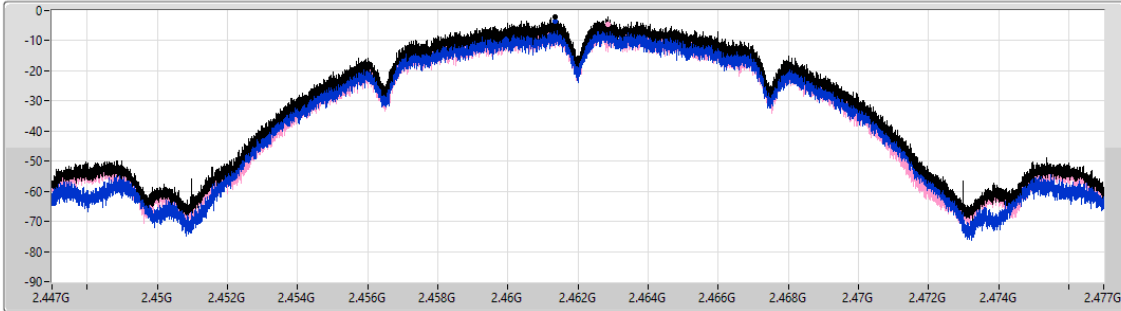


2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

PSD

2462MHz

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



Sum  
Port 1  
Port 2

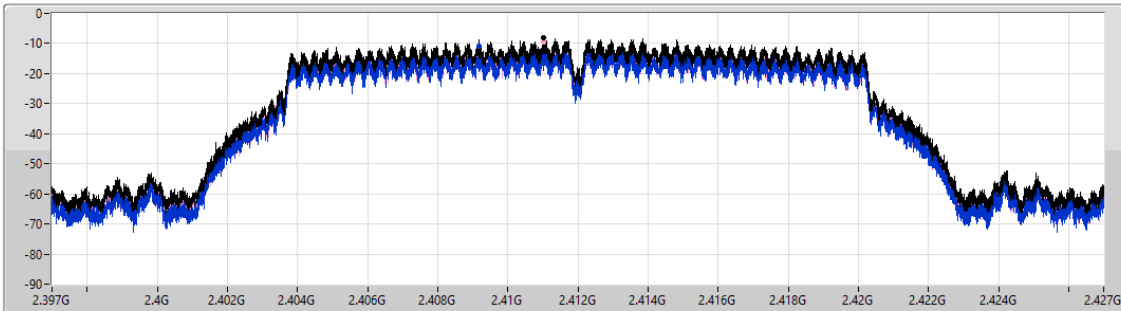
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.02	-2.02	-3.51	-4.63

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

PSD

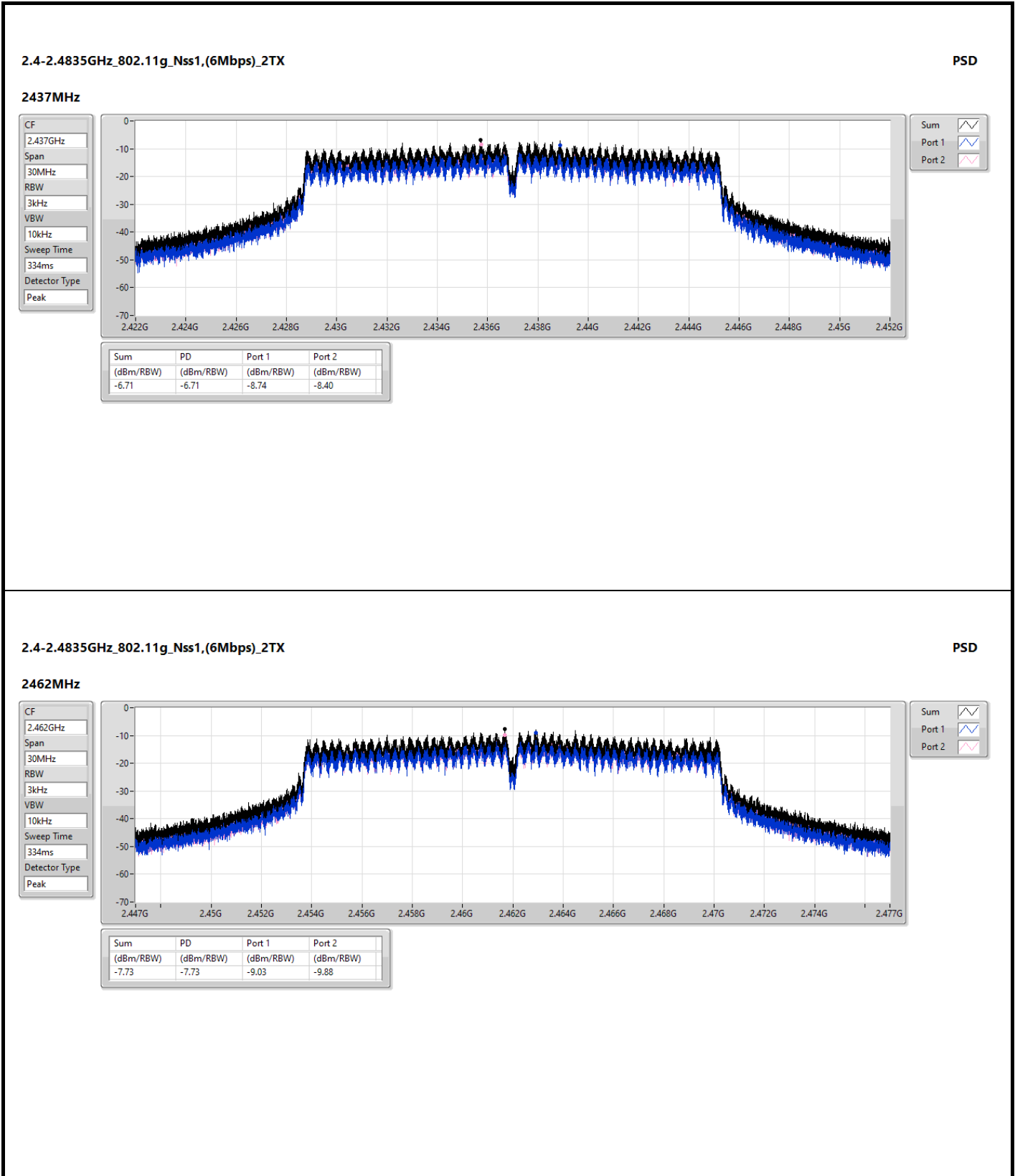
2412MHz

CF  
2.412GHz  
Span  
30MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
334ms  
Detector Type  
Peak



Sum  
Port 1  
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.98	-7.98	-10.80	-9.48



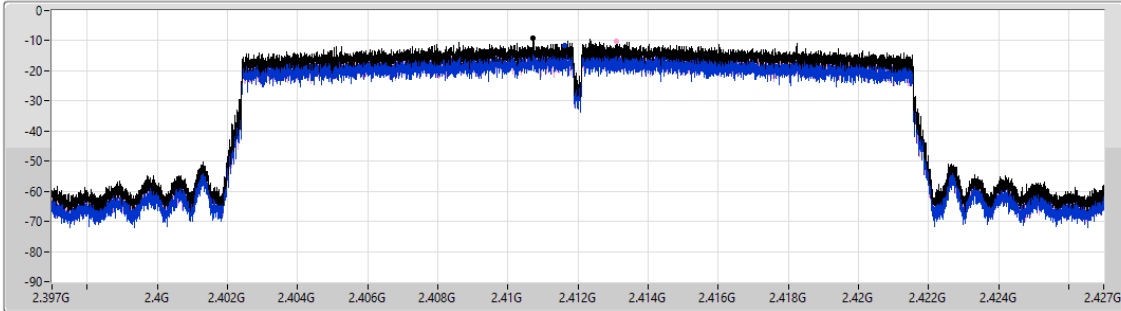


2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2412MHz

CF  
2.412GHz  
Span  
30MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
334ms  
Detector Type  
Peak



Sum  
Port 1  
Port 2

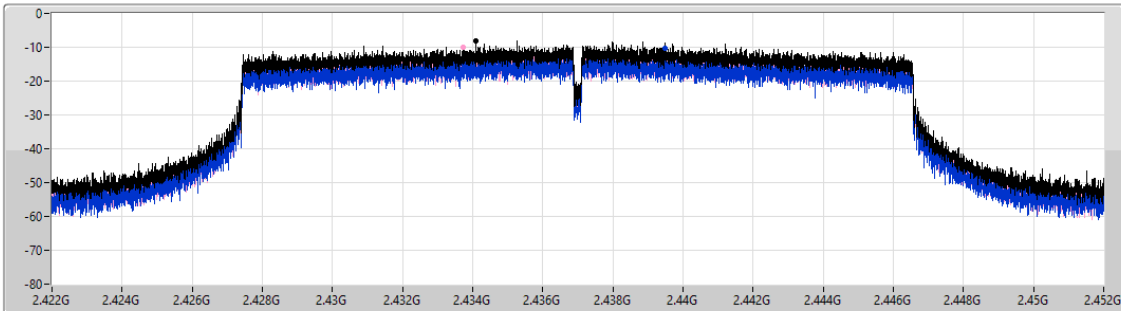
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.09	-9.09	-11.63	-10.24

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2437MHz

CF  
2.437GHz  
Span  
30MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
334ms  
Detector Type  
Peak



Sum  
Port 1  
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.07	-8.07	-10.41	-10.15

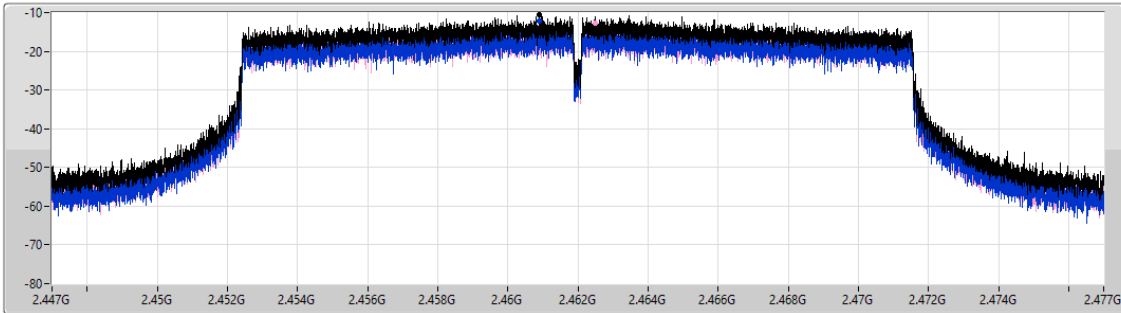


2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2462MHz

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



Sum  
Port 1  
Port 2

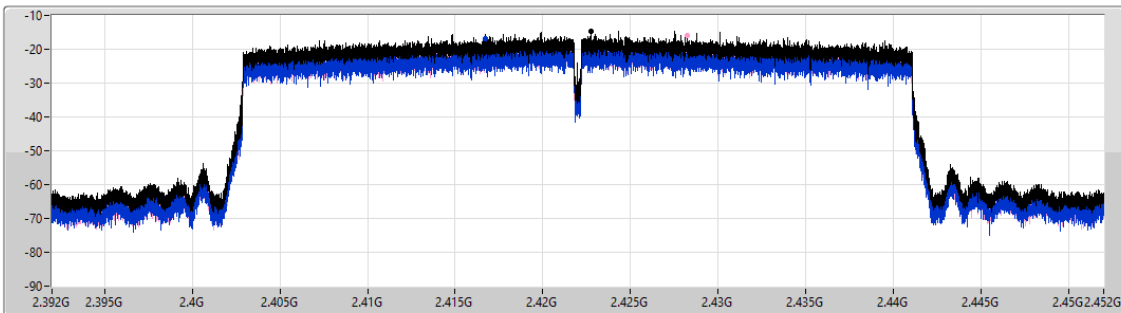
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.68	-10.68	-12.14	-12.62

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

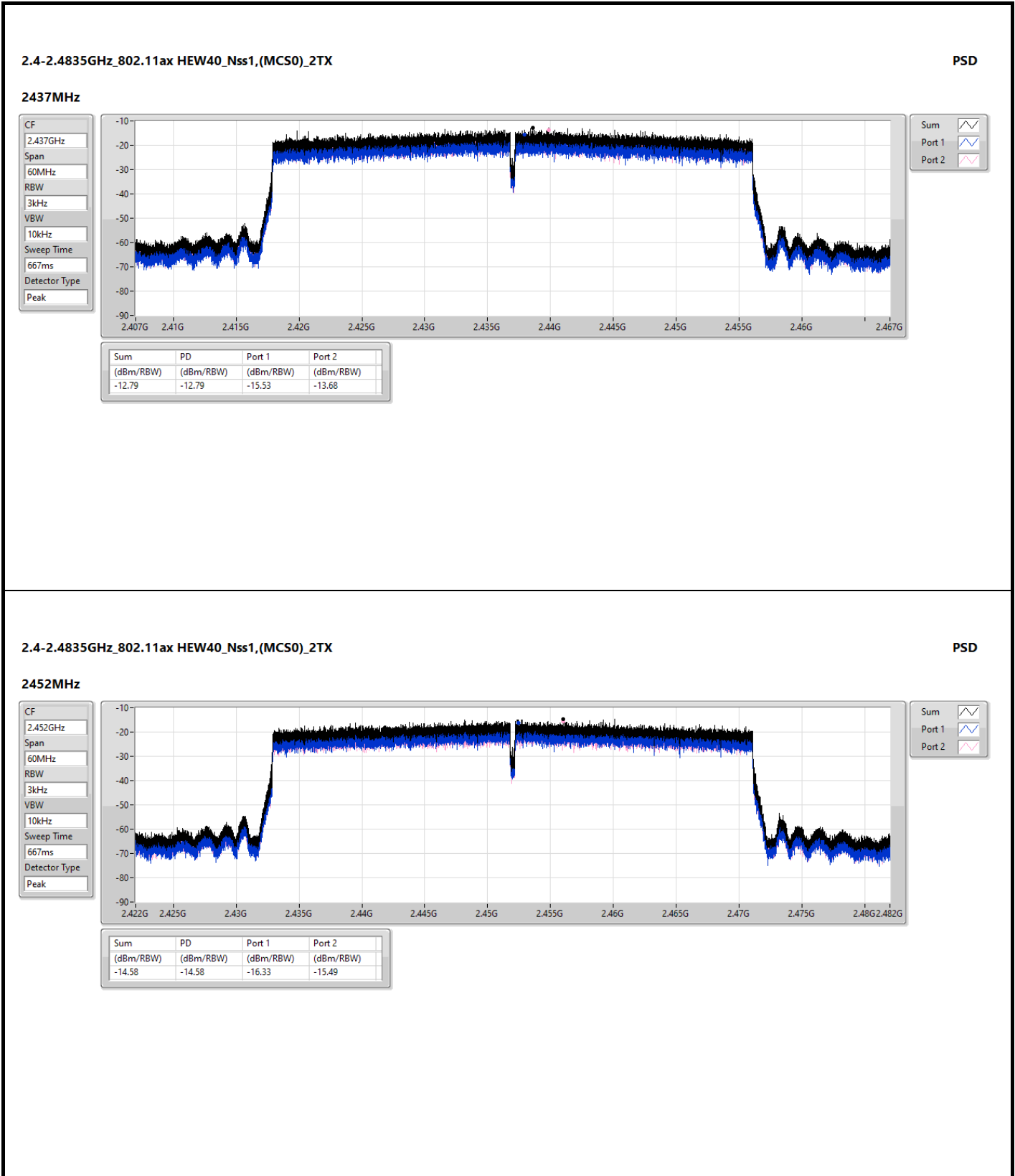
2422MHz

CF  
2.422GHz  
Span  
60MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
667ms  
Detector Type  
Peak



Sum  
Port 1  
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.70	-14.70	-16.93	-15.90





**Unwanted Conducted Emissions into Restricted Frequency Bands(30M~1GHz) - SC Module**

**Appendix D.1**

**Summary**

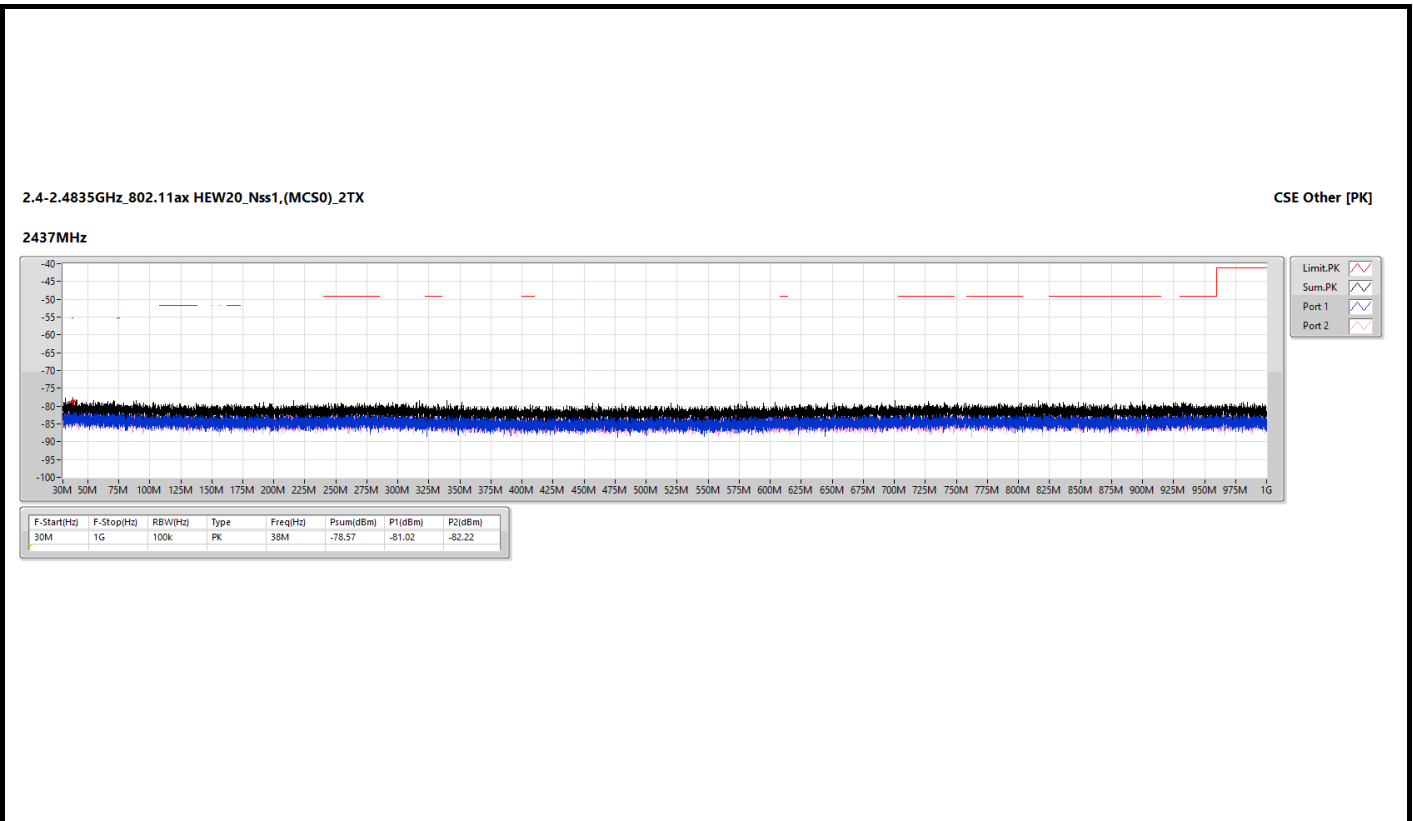
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	GRF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	Pass	30M	1G	PK	38M	5.41	-81.02	-82.22	-78.57	4.7	-68.46	-55.20	-13.26

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	GRF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	30M	1G	PK	38M	5.41	-81.02	-82.22	-78.57	4.7	-68.46	-55.20	-13.26

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX





**Unwanted Conducted Emissions into Restricted Frequency Bands (1G~3.1GHz) - SC Module**

**Appendix D.2**

**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.31G	2.39G	AV	2.38532G	5.41	-51.80	-50.31	-47.98	-42.57	-41.20	-1.37
802.11g_Nss1,(6Mbps)_2TX	Pass	2.4835G	2.5G	AV	2.4835G	5.41	-52.02	-49.75	-47.73	-42.32	-41.20	-1.12
<b>802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA</b>	<b>Pass</b>	<b>2.4835G</b>	<b>2.5G</b>	<b>AV</b>	<b>2.48353G</b>	<b>5.41</b>	<b>-52.06</b>	<b>-49.56</b>	<b>-47.62</b>	<b>-42.21</b>	<b>-41.20</b>	<b>-1.01</b>
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	Pass	2.31G	2.39G	AV	2.3898G	5.41	-50.97	-50.45	-47.69	-42.28	-41.20	-1.08

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.31G	AV	2.31G	5.41	-60.40	-59.91	-57.14	-51.73	-41.20	-10.53
2412MHz	Pass	2.31G	2.39G	AV	2.38532G	5.41	-51.80	-50.31	-47.98	-42.57	-41.20	-1.37
2412MHz	Pass	2.4835G	2.5G	AV	2.49098G	5.41	-60.19	-57.01	-55.30	-49.89	-41.20	-8.69
2412MHz	Pass	2.5G	3.1G	AV	2.5711G	5.41	-61.36	-55.29	-54.33	-48.92	-41.20	-7.72
2412MHz	Pass	1G	2.31G	PK	2.31G	5.41	-50.73	-51.68	-48.17	-42.76	-21.20	-21.56
2412MHz	Pass	2.31G	2.39G	PK	2.38592G	5.41	-44.50	-43.46	-40.94	-35.53	-21.20	-14.33
2412MHz	Pass	2.4835G	2.5G	PK	2.48871G	5.41	-47.24	-49.14	-45.08	-39.67	-21.20	-18.47
2412MHz	Pass	2.5G	3.1G	PK	2.5291G	5.41	-50.71	-47.69	-45.93	-40.52	-21.20	-19.32
2437MHz	Pass	1G	2.31G	AV	2.31G	5.41	-57.70	-57.03	-54.34	-48.93	-41.20	-7.73
2437MHz	Pass	2.31G	2.39G	AV	2.38636G	5.41	-55.93	-53.90	-51.79	-46.38	-41.20	-5.18
2437MHz	Pass	2.4835G	2.5G	AV	2.48801G	5.41	-58.15	-57.48	-54.79	-49.38	-41.20	-8.18
2437MHz	Pass	2.5G	3.1G	AV	2.596G	5.41	-61.07	-56.42	-55.14	-49.73	-41.20	-8.53
2437MHz	Pass	1G	2.31G	PK	2.31G	5.41	-49.38	-47.16	-45.12	-39.71	-21.20	-18.51
2437MHz	Pass	2.31G	2.39G	PK	2.38584G	5.41	-45.22	-44.27	-41.71	-36.30	-21.20	-15.10
2437MHz	Pass	2.4835G	2.5G	PK	2.48709G	5.41	-45.48	-48.94	-43.86	-38.45	-21.20	-17.25
2437MHz	Pass	2.5G	3.1G	PK	2.5147G	5.41	-48.73	-49.04	-45.87	-40.46	-21.20	-19.26
2462MHz	Pass	1G	2.31G	AV	2.31G	5.41	-59.91	-57.85	-55.75	-50.34	-41.20	-9.14
2462MHz	Pass	2.31G	2.39G	AV	2.38108G	5.41	-59.36	-57.13	-55.09	-49.68	-41.20	-8.48
2462MHz	Pass	2.4835G	2.5G	AV	2.48688G	5.41	-54.63	-51.67	-49.89	-44.48	-41.20	-3.28
2462MHz	Pass	2.5G	3.1G	AV	2.5G	5.41	-55.91	-57.59	-53.66	-48.25	-41.20	-7.05
2462MHz	Pass	1G	2.31G	PK	2.31G	5.41	-50.02	-48.87	-46.40	-40.99	-21.20	-19.79
2462MHz	Pass	2.31G	2.39G	PK	2.34032G	5.41	-50.48	-46.19	-44.82	-39.41	-21.20	-18.21
2462MHz	Pass	2.4835G	2.5G	PK	2.48704G	5.41	-45.16	-43.81	-41.42	-36.01	-21.20	-14.81
2462MHz	Pass	2.5G	3.1G	PK	2.5G	5.41	-47.92	-49.37	-45.57	-40.16	-21.20	-18.96
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.31G	AV	2.31G	5.41	-56.79	-57.17	-53.97	-48.56	-41.20	-7.36
2412MHz	Pass	2.31G	2.39G	AV	2.3898G	5.41	-51.38	-50.24	-47.76	-42.35	-41.20	-1.15
2412MHz	Pass	2.4835G	2.5G	AV	2.4859G	5.41	-52.55	-54.81	-50.52	-45.11	-41.20	-3.91
2412MHz	Pass	2.5G	3.1G	AV	2.5003G	5.41	-54.07	-55.64	-51.77	-46.36	-41.20	-5.16





**Unwanted Conducted Emissions into Restricted Frequency Bands (1G~3.1GHz) - SC Module**

**Appendix D.2**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2412MHz	Pass	1G	2.31G	PK	2.31G	5.41	-48.41	-47.65	-45.00	-39.59	-21.20	-18.39
2412MHz	Pass	2.31G	2.39G	PK	2.38876G	5.41	-41.81	-35.32	-34.44	-29.03	-21.20	-7.83
2412MHz	Pass	2.4835G	2.5G	PK	2.48494G	5.41	-41.36	-44.53	-39.65	-34.24	-21.20	-13.04
2412MHz	Pass	2.5G	3.1G	PK	2.5027G	5.41	-43.32	-46.52	-41.62	-36.21	-21.20	-15.01
2437MHz	Pass	1G	2.31G	AV	2.31G	5.41	-54.03	-53.47	-50.73	-45.32	-41.20	-4.12
2437MHz	Pass	2.31G	2.39G	AV	2.38856G	5.41	-51.60	-50.55	-48.03	-42.62	-41.20	-1.42
2437MHz	Pass	2.4835G	2.5G	AV	2.48435G	5.41	-54.69	-54.42	-51.54	-46.13	-41.20	-4.93
2437MHz	Pass	2.5G	3.1G	AV	2.5003G	5.41	-55.59	-56.03	-52.79	-47.38	-41.20	-6.18
2437MHz	Pass	1G	2.31G	PK	2.31G	5.41	-46.10	-43.97	-41.90	-36.49	-21.20	-15.29
2437MHz	Pass	2.31G	2.39G	PK	2.38192G	5.41	-39.90	-40.03	-36.95	-31.54	-21.20	-10.34
2437MHz	Pass	2.4835G	2.5G	PK	2.48429G	5.41	-44.70	-42.20	-40.26	-34.85	-21.20	-13.65
2437MHz	Pass	2.5G	3.1G	PK	2.5069G	5.41	-47.14	-44.52	-42.63	-37.22	-21.20	-16.02
2462MHz	Pass	1G	2.31G	AV	2.31G	5.41	-55.08	-53.12	-50.98	-45.57	-41.20	-4.37
2462MHz	Pass	2.31G	2.39G	AV	2.38872G	5.41	-52.48	-51.82	-49.13	-43.72	-41.20	-2.52
2462MHz	Pass	2.4835G	2.5G	AV	2.4835G	5.41	-52.02	-49.75	-47.73	-42.32	-41.20	-1.12
2462MHz	Pass	2.5G	3.1G	AV	2.5003G	5.41	-55.48	-54.45	-51.92	-46.51	-41.20	-5.31
2462MHz	Pass	1G	2.31G	PK	2.31G	5.41	-44.69	-44.35	-41.51	-36.10	-21.20	-14.90
2462MHz	Pass	2.31G	2.39G	PK	2.3838G	5.41	-43.03	-39.59	-37.97	-32.56	-21.20	-11.36
2462MHz	Pass	2.4835G	2.5G	PK	2.48385G	5.41	-43.46	-34.23	-33.74	-28.33	-21.20	-7.13
2462MHz	Pass	2.5G	3.1G	PK	2.5015G	5.41	-45.19	-44.07	-41.58	-36.17	-21.20	-14.97
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	2.31G	AV	2.31G	5.41	-56.66	-57.30	-53.96	-48.55	-41.20	-7.35
2412MHz	Pass	2.31G	2.39G	AV	2.38956G	5.41	-51.31	-50.17	-47.69	-42.28	-41.20	-1.08
2412MHz	Pass	2.4835G	2.5G	AV	2.48437G	5.41	-52.87	-54.65	-50.66	-45.25	-41.20	-4.05
2412MHz	Pass	2.5G	3.1G	AV	2.5006G	5.41	-53.80	-55.57	-51.59	-46.18	-41.20	-4.98
2412MHz	Pass	1G	2.31G	PK	2.31G	5.41	-47.26	-49.15	-45.09	-39.68	-21.20	-18.48
2412MHz	Pass	2.31G	2.39G	PK	2.38548G	5.41	-42.72	-36.08	-35.23	-29.82	-21.20	-8.62
2412MHz	Pass	2.4835G	2.5G	PK	2.48654G	5.41	-39.63	-45.28	-38.58	-33.17	-21.20	-11.97
2412MHz	Pass	2.5G	3.1G	PK	2.5042G	5.41	-43.37	-46.94	-41.79	-36.38	-21.20	-15.18
2437MHz	Pass	1G	2.31G	AV	2.31G	5.41	-53.94	-53.38	-50.64	-45.23	-41.20	-4.03
2437MHz	Pass	2.31G	2.39G	AV	2.38936G	5.41	-51.85	-50.16	-47.91	-42.50	-41.20	-1.30
2437MHz	Pass	2.4835G	2.5G	AV	2.48352G	5.41	-54.93	-54.23	-51.56	-46.15	-41.20	-4.95
2437MHz	Pass	2.5G	3.1G	AV	2.5012G	5.41	-55.48	-56.30	-52.86	-47.45	-41.20	-6.25
2437MHz	Pass	1G	2.31G	PK	2.31G	5.41	-45.93	-43.46	-41.51	-36.10	-21.20	-14.90
2437MHz	Pass	2.31G	2.39G	PK	2.38252G	5.41	-41.18	-38.84	-36.84	-31.43	-21.20	-10.23
2437MHz	Pass	2.4835G	2.5G	PK	2.48383G	5.41	-44.40	-42.47	-40.32	-34.91	-21.20	-13.71
2437MHz	Pass	2.5G	3.1G	PK	2.5099G	5.41	-45.97	-44.68	-42.27	-36.86	-21.20	-15.66
2462MHz	Pass	1G	2.31G	AV	2.31G	5.41	-55.19	-53.84	-51.45	-46.04	-41.20	-4.84
2462MHz	Pass	2.31G	2.39G	AV	2.38816G	5.41	-52.59	-51.88	-49.21	-43.80	-41.20	-2.60
<b>2462MHz</b>	<b>Pass</b>	<b>2.4835G</b>	<b>2.5G</b>	<b>AV</b>	<b>2.48353G</b>	<b>5.41</b>	<b>-52.06</b>	<b>-49.56</b>	<b>-47.62</b>	<b>-42.21</b>	<b>-41.20</b>	<b>-1.01</b>
2462MHz	Pass	2.5G	3.1G	AV	2.5015G	5.41	-54.96	-54.68	-51.81	-46.40	-41.20	-5.20
2462MHz	Pass	1G	2.31G	PK	2.31G	5.41	-46.02	-43.85	-41.79	-36.38	-21.20	-15.18



**Unwanted Conducted Emissions into Restricted Frequency Bands (1G~3.1GHz) - SC Module**

**Appendix D.2**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2462MHz	Pass	2.31G	2.39G	PK	2.384G	5.41	-41.35	-42.02	-38.66	-33.25	-21.20	-12.05
2462MHz	Pass	2.4835G	2.5G	PK	2.48372G	5.41	-43.06	-34.46	-33.90	-28.49	-21.20	-7.29
2462MHz	Pass	2.5G	3.1G	PK	2.5045G	5.41	-44.53	-45.25	-41.86	-36.45	-21.20	-15.25
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	1G	2.31G	AV	2.31G	5.41	-57.17	-57.89	-54.50	-49.09	-41.20	-7.89
2422MHz	Pass	2.31G	2.39G	AV	2.3898G	5.41	-50.97	-50.45	-47.69	-42.28	-41.20	-1.08
2422MHz	Pass	2.4835G	2.5G	AV	2.48395G	5.41	-51.93	-53.84	-49.77	-44.36	-41.20	-3.16
2422MHz	Pass	2.5G	3.1G	AV	2.5G	5.41	-53.52	-55.07	-51.22	-45.81	-41.20	-4.61
2422MHz	Pass	1G	2.31G	PK	2.31G	5.41	-48.60	-47.59	-45.06	-39.65	-21.20	-18.45
2422MHz	Pass	2.31G	2.39G	PK	2.38936G	5.41	-40.59	-41.03	-37.79	-32.38	-21.20	-11.18
2422MHz	Pass	2.4835G	2.5G	PK	2.48499G	5.41	-40.88	-43.05	-38.82	-33.41	-21.20	-12.21
2422MHz	Pass	2.5G	3.1G	PK	2.5066G	5.41	-42.69	-47.60	-41.47	-36.06	-21.20	-14.86
2437MHz	Pass	1G	2.31G	AV	2.31G	5.41	-55.11	-54.81	-51.95	-46.54	-41.20	-5.34
2437MHz	Pass	2.31G	2.39G	AV	2.38984G	5.41	-52.50	-50.58	-48.42	-43.01	-41.20	-1.81
2437MHz	Pass	2.4835G	2.5G	AV	2.4835G	5.41	-53.65	-53.97	-50.80	-45.39	-41.20	-4.19
2437MHz	Pass	2.5G	3.1G	AV	2.5009G	5.41	-56.99	-56.05	-53.48	-48.07	-41.20	-6.87
2437MHz	Pass	1G	2.31G	PK	2.31G	5.41	-45.27	-44.66	-41.94	-36.53	-21.20	-15.33
2437MHz	Pass	2.31G	2.39G	PK	2.38676G	5.41	-40.12	-40.06	-37.08	-31.67	-21.20	-10.47
2437MHz	Pass	2.4835G	2.5G	PK	2.48412G	5.41	-45.14	-40.23	-39.01	-33.60	-21.20	-12.40
2437MHz	Pass	2.5G	3.1G	PK	2.5033G	5.41	-45.42	-47.98	-43.50	-38.09	-21.20	-16.89
2452MHz	Pass	1G	2.31G	AV	2.31G	5.41	-55.33	-54.68	-51.98	-46.57	-41.20	-5.37
2452MHz	Pass	2.31G	2.39G	AV	2.3898G	5.41	-53.01	-52.23	-49.59	-44.18	-41.20	-2.98
2452MHz	Pass	2.4835G	2.5G	AV	2.48404G	5.41	-51.43	-51.18	-48.29	-42.88	-41.20	-1.68
2452MHz	Pass	2.5G	3.1G	AV	2.5006G	5.41	-55.25	-55.52	-52.37	-46.96	-41.20	-5.76
2452MHz	Pass	1G	2.31G	PK	2.31G	5.41	-47.12	-46.99	-44.04	-38.63	-21.20	-17.43
2452MHz	Pass	2.31G	2.39G	PK	2.38276G	5.41	-42.24	-41.56	-38.88	-33.47	-21.20	-12.27
2452MHz	Pass	2.4835G	2.5G	PK	2.48352G	5.41	-42.56	-38.33	-36.94	-31.53	-21.20	-10.33
2452MHz	Pass	2.5G	3.1G	PK	2.5033G	5.41	-45.71	-46.34	-43.00	-37.59	-21.20	-16.39

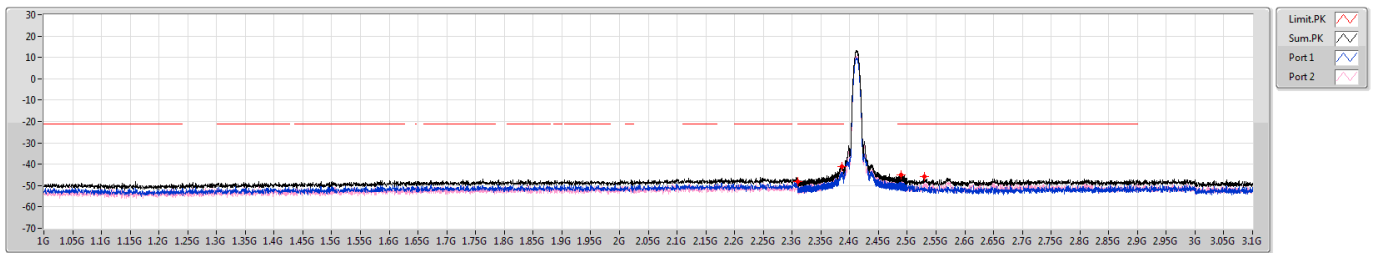
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX



2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

CSE Bandedge [PK]

2412MHz

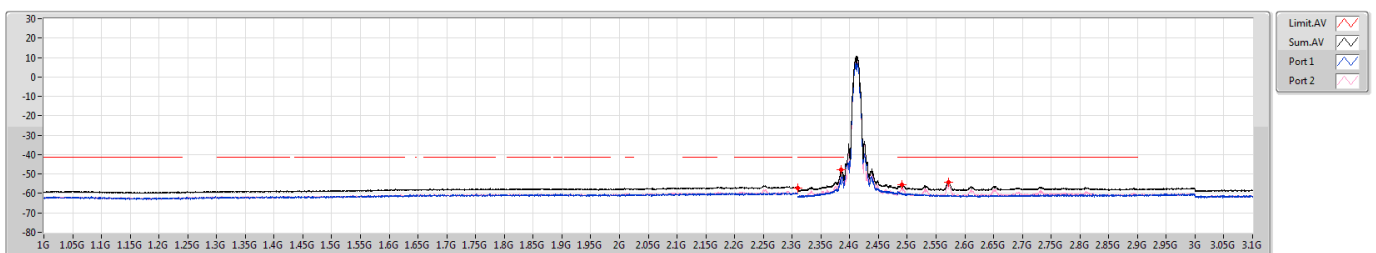


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-48.17	-50.73	-51.68
2.31G	2.39G	1M	PK	2.38592G	-40.94	-44.50	-43.46
2.4835G	2.5G	1M	PK	2.48871G	-45.08	-47.24	-49.14
2.5G	3.1G	1M	PK	2.5291G	-45.93	-50.71	-47.69

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

CSE Bandedge [AV]

2412MHz



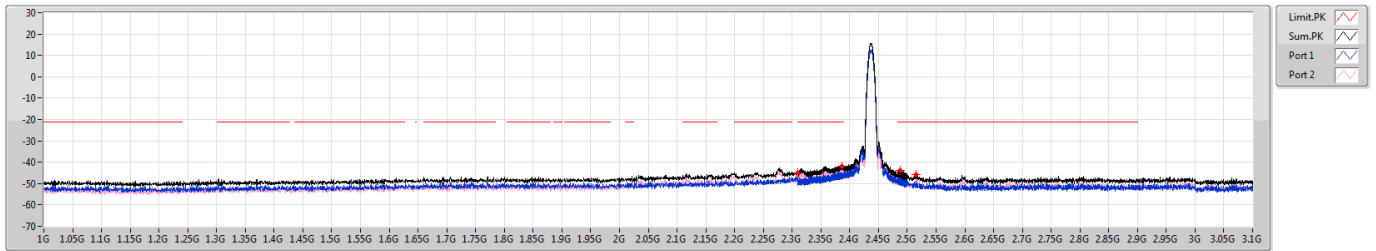
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-57.14	-60.40	-59.91
2.31G	2.39G	1M	AV	2.38592G	-47.98	-51.80	-50.31
2.4835G	2.5G	1M	AV	2.49098G	-55.30	-60.19	-57.01
2.5G	3.1G	1M	AV	2.5711G	-54.33	-61.36	-55.29



2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

CSE Bandedge [PK]

2437MHz

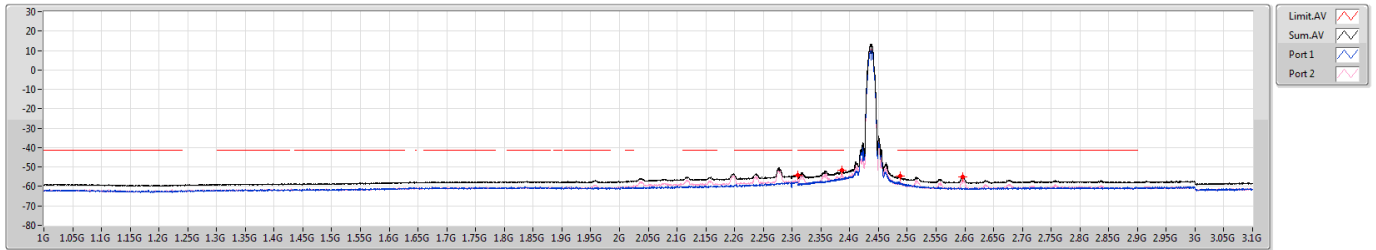


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-45.12	-49.38	-47.16
2.31G	2.39G	1M	PK	2.38584G	-41.71	-45.22	-44.27
2.4835G	2.5G	1M	PK	2.48709G	-43.86	-45.48	-48.94
2.5G	3.1G	1M	PK	2.5147G	-45.87	-48.73	-49.04

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

CSE Bandedge [AV]

2437MHz



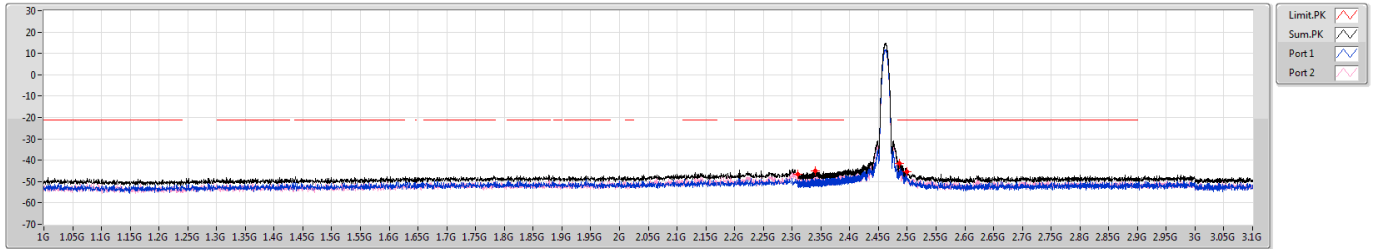
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-54.34	-57.70	-57.03
2.31G	2.39G	1M	AV	2.38636G	-51.79	-55.93	-53.90
2.4835G	2.5G	1M	AV	2.48801G	-54.79	-58.15	-57.48
2.5G	3.1G	1M	AV	2.596G	-55.14	-61.07	-56.42



2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

CSE Bandedge [PK]

2462MHz

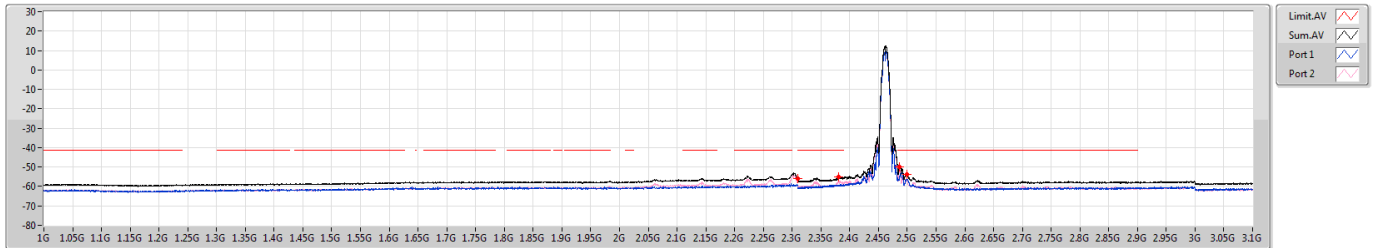


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-46.40	-50.02	-48.87
2.31G	2.39G	1M	PK	2.34032G	-44.82	-50.48	-46.19
2.4835G	2.5G	1M	PK	2.48704G	-41.42	-45.16	-43.81
2.5G	3.1G	1M	PK	2.5G	-45.57	-47.92	-49.37

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

CSE Bandedge [AV]

2462MHz



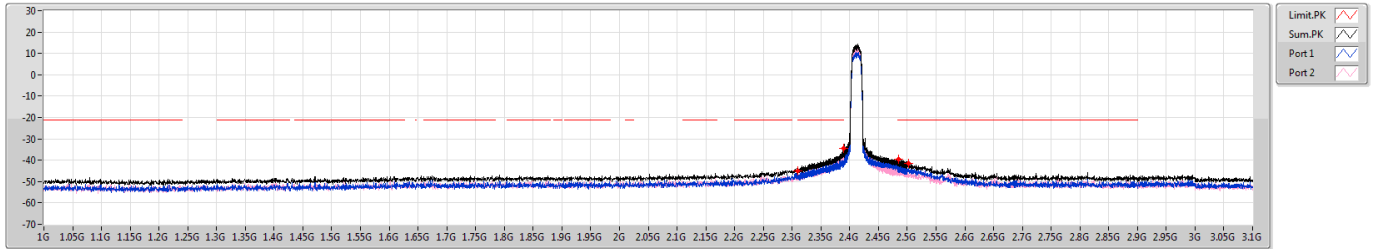
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-55.75	-59.91	-57.85
2.31G	2.39G	1M	AV	2.38108G	-55.09	-59.36	-57.13
2.4835G	2.5G	1M	AV	2.48688G	-49.89	-54.63	-51.67
2.5G	3.1G	1M	AV	2.5G	-53.66	-55.91	-57.59



2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

CSE Bandedge [PK]

2412MHz

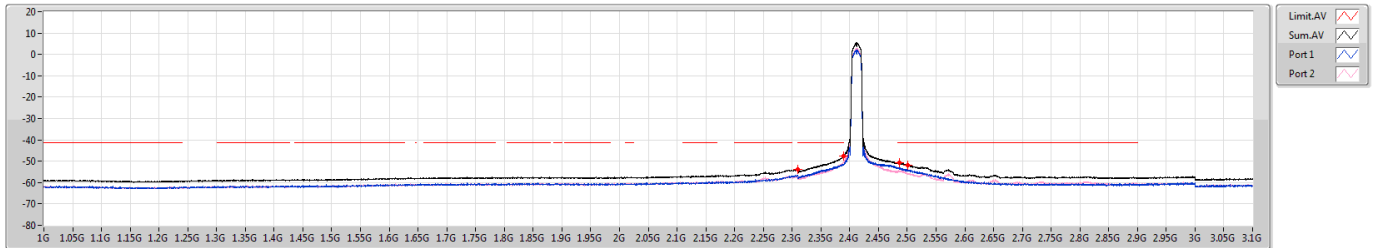


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-45.00	-48.41	-47.65
2.31G	2.39G	1M	PK	2.38876G	-34.44	-41.81	-35.32
2.4835G	2.5G	1M	PK	2.48494G	-39.65	-41.36	-44.53
2.5G	3.1G	1M	PK	2.5027G	-41.62	-43.32	-46.52

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

CSE Bandedge [AV]

2412MHz



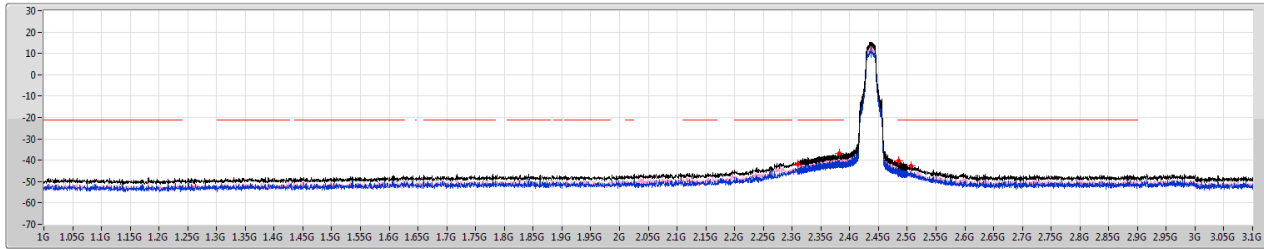
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-53.97	-56.79	-57.17
2.31G	2.39G	1M	AV	2.3898G	-47.76	-51.38	-50.24
2.4835G	2.5G	1M	AV	2.4859G	-50.52	-52.55	-54.81
2.5G	3.1G	1M	AV	2.5003G	-51.77	-54.07	-55.64



2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

CSE Bandedge [PK]

2437MHz

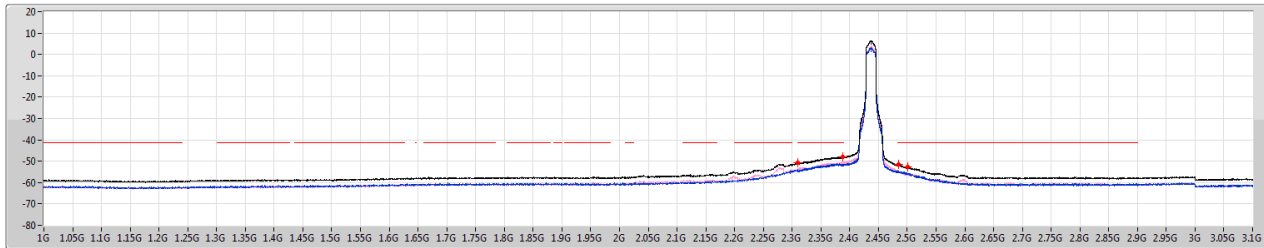


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-41.90	-46.10	-43.97
2.31G	2.39G	1M	PK	2.38192G	-36.95	-39.90	-40.03
2.4835G	2.5G	1M	PK	2.48429G	-40.26	-44.70	-42.20
2.5G	3.1G	1M	PK	2.5069G	-42.63	-47.14	-44.52

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

CSE Bandedge [AV]

2437MHz



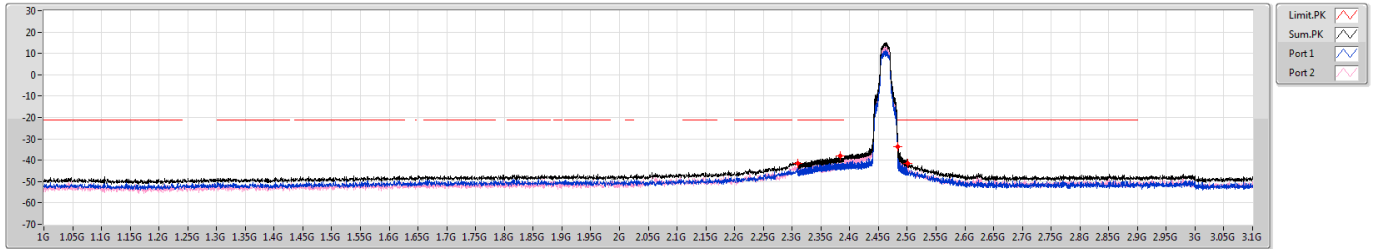
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-50.73	-54.03	-53.47
2.31G	2.39G	1M	AV	2.38856G	-48.03	-51.60	-50.55
2.4835G	2.5G	1M	AV	2.48435G	-51.54	-54.69	-54.42
2.5G	3.1G	1M	AV	2.5003G	-52.79	-55.99	-56.03



2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

CSE Bandedge [PK]

2462MHz

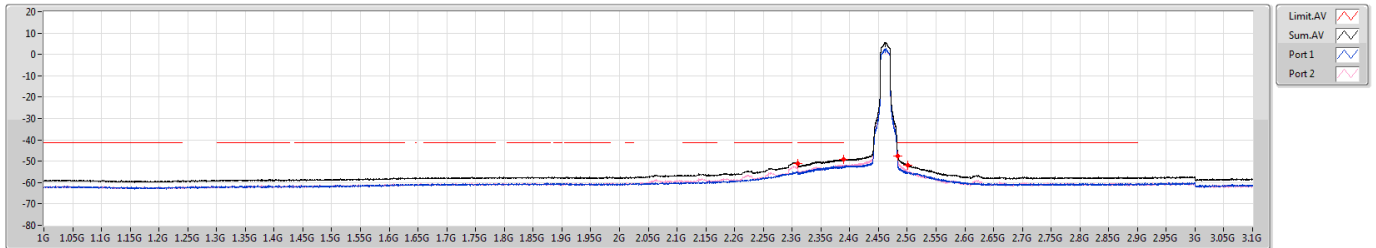


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-41.51	-44.69	-44.35
2.31G	2.39G	1M	PK	2.388G	-37.97	-43.03	-39.59
2.4835G	2.5G	1M	PK	2.4835G	-33.74	-43.46	-34.23
2.5G	3.1G	1M	PK	2.5015G	-41.58	-45.19	-44.07

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

CSE Bandedge [AV]

2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-50.98	-55.08	-53.12
2.31G	2.39G	1M	AV	2.38872G	-49.13	-52.48	-51.82
2.4835G	2.5G	1M	AV	2.4835G	-47.73	-52.02	-49.75
2.5G	3.1G	1M	AV	2.5003G	-51.92	-55.48	-54.45

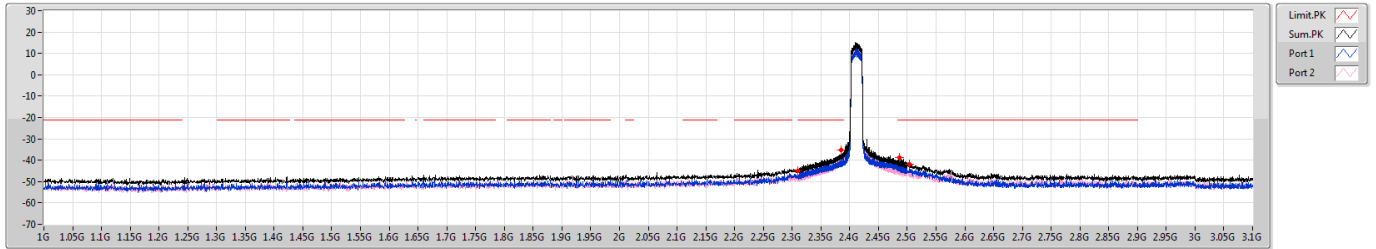




2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE Bandedge [PK]

2412MHz

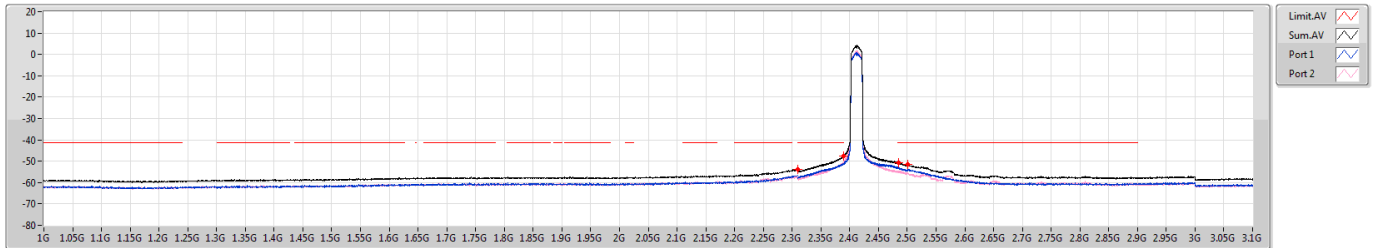


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-45.09	-47.26	-49.15
2.31G	2.39G	1M	PK	2.38548G	-35.23	-42.72	-36.08
2.4835G	2.5G	1M	PK	2.48654G	-38.58	-39.63	-45.28
2.5G	3.1G	1M	PK	2.5042G	-41.79	-43.37	-46.94

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE Bandedge [AV]

2412MHz



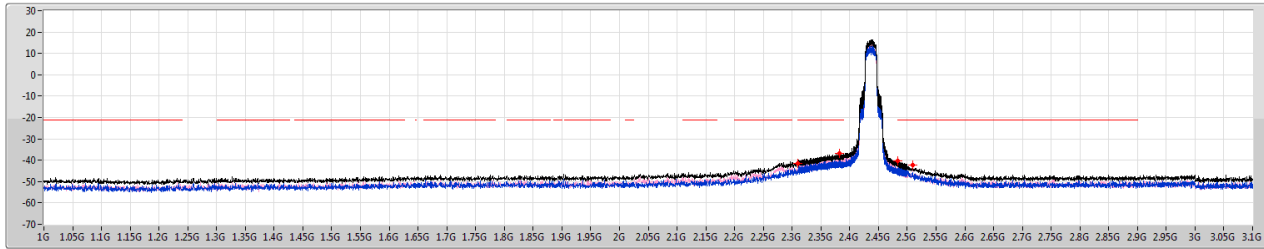
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1G	2.31G	1M	AV	2.31G	-53.96	-56.66	-57.30
2.31G	2.39G	1M	AV	2.38956G	-47.69	-51.31	-50.17
2.4835G	2.5G	1M	AV	2.48437G	-50.66	-52.87	-54.65
2.5G	3.1G	1M	AV	2.5006G	-51.59	-53.80	-55.57



2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE Bandedge [PK]

2437MHz



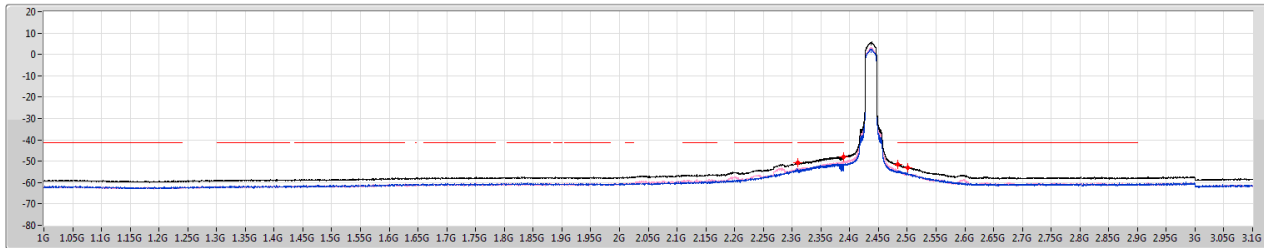
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Port:1   
Port:2

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-41.51	-45.93	-43.46
2.31G	2.39G	1M	PK	2.38252G	-36.84	-41.18	-38.84
2.4835G	2.5G	1M	PK	2.48383G	-40.32	-44.40	-42.47
2.5G	3.1G	1M	PK	2.5099G	-42.27	-45.97	-44.68

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE Bandedge [AV]

2437MHz



Limit:AV   
Sum:AV   
Port:1   
Port:2

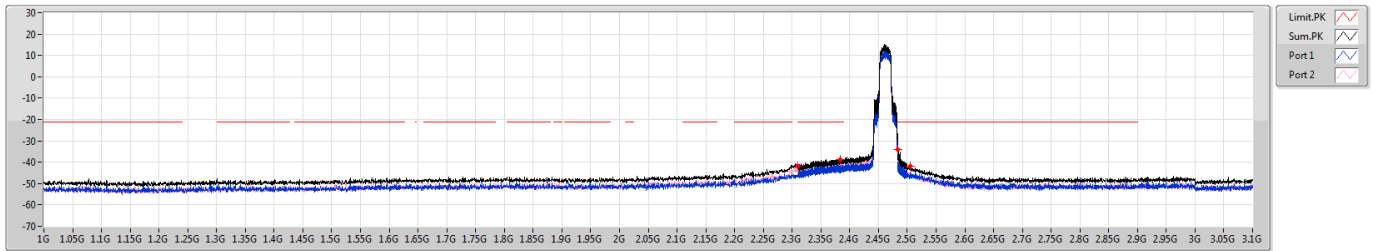
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-50.64	-53.94	-53.38
2.31G	2.39G	1M	AV	2.38936G	-47.91	-51.85	-50.16
2.4835G	2.5G	1M	AV	2.48352G	-51.56	-54.93	-54.23
2.5G	3.1G	1M	AV	2.5012G	-52.86	-55.48	-56.30



2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE Bandedge [PK]

2462MHz

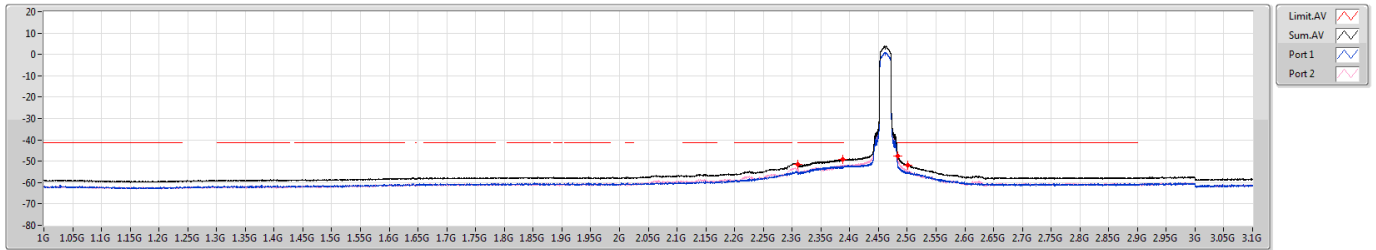


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-41.79	-46.02	-43.85
2.31G	2.39G	1M	PK	2.384G	-38.66	-41.35	-42.02
2.4835G	2.5G	1M	PK	2.48372G	-33.90	-43.06	-34.46
2.5G	3.1G	1M	PK	2.5045G	-41.86	-44.53	-45.25

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE Bandedge [AV]

2462MHz



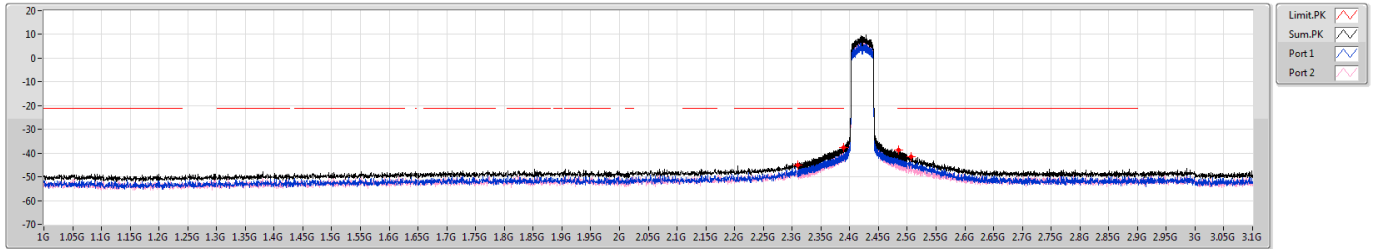
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-51.45	-55.19	-53.84
2.31G	2.39G	1M	AV	2.38816G	-49.21	-52.59	-51.88
2.4835G	2.5G	1M	AV	2.48353G	-47.62	-52.06	-49.56
2.5G	3.1G	1M	AV	2.5015G	-51.81	-54.96	-54.68



2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

CSE Bandedge [PK]

2422MHz

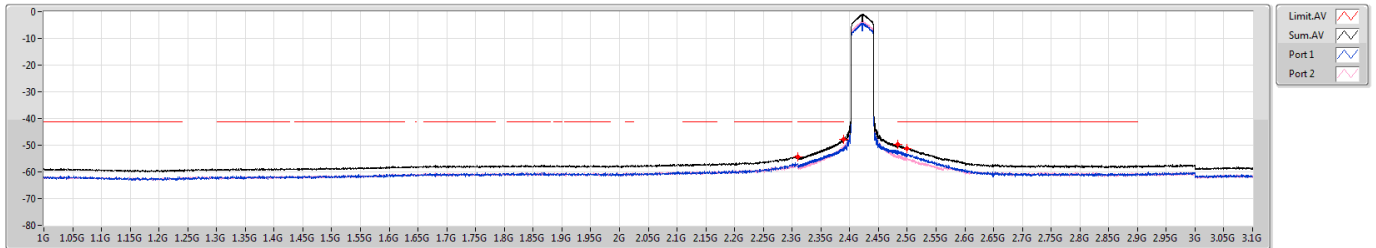


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-45.06	-48.60	-47.59
2.31G	2.39G	1M	PK	2.38936G	-37.79	-40.59	-41.03
2.4835G	2.5G	1M	PK	2.48499G	-38.82	-40.88	-43.05
2.5G	3.1G	1M	PK	2.5066G	-41.47	-42.69	-47.60

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

CSE Bandedge [AV]

2422MHz



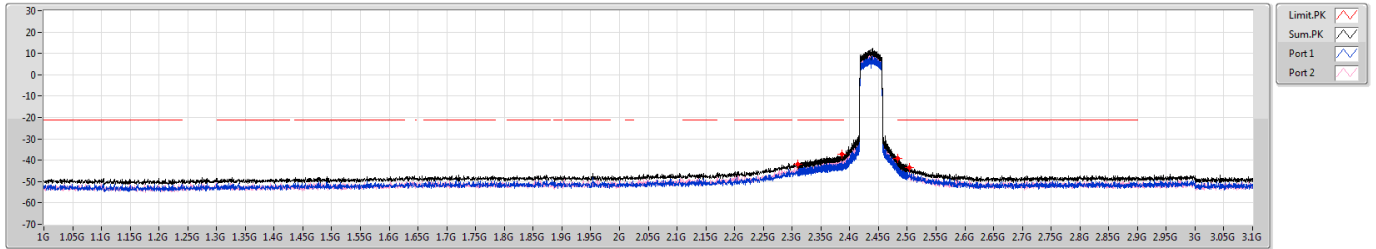
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-54.50	-57.17	-57.89
2.31G	2.39G	1M	AV	2.3898G	-47.69	-50.97	-50.45
2.4835G	2.5G	1M	AV	2.48395G	-49.77	-51.93	-53.84
2.5G	3.1G	1M	AV	2.5G	-51.22	-53.52	-55.07



2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

CSE Bandedge [PK]

2437MHz

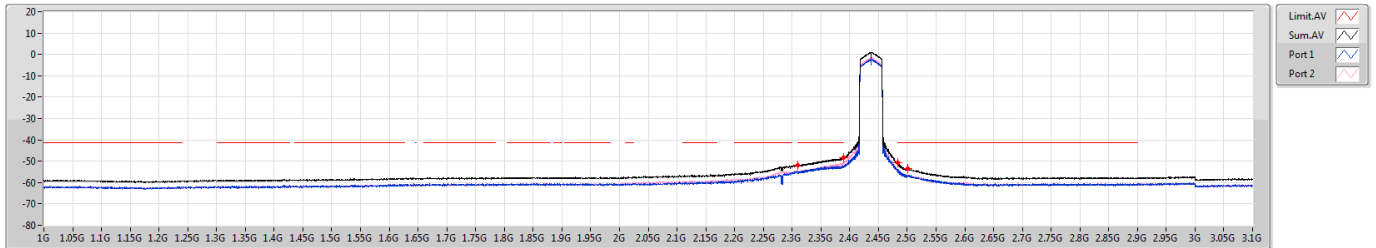


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-41.94	-45.27	-44.66
2.31G	2.39G	1M	PK	2.38676G	-37.08	-40.12	-40.06
2.4835G	2.5G	1M	PK	2.48412G	-39.01	-45.14	-40.23
2.5G	3.1G	1M	PK	2.5033G	-43.50	-45.42	-47.98

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

CSE Bandedge [AV]

2437MHz



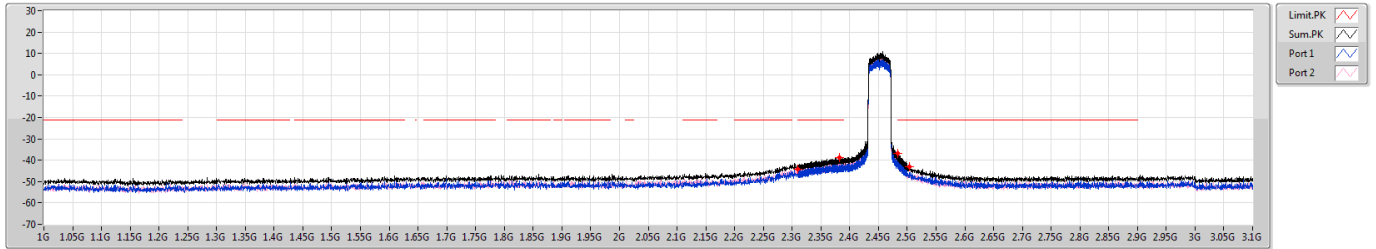
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-51.95	-55.11	-54.81
2.31G	2.39G	1M	AV	2.38984G	-48.42	-52.50	-50.58
2.4835G	2.5G	1M	AV	2.4835G	-50.80	-53.65	-53.97
2.5G	3.1G	1M	AV	2.5009G	-53.48	-56.99	-56.05



2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

CSE Bandedge [PK]

2452MHz

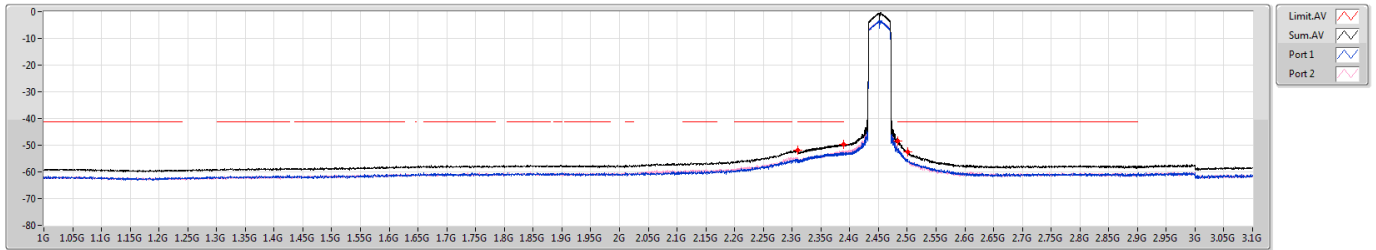


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-44.04	-47.12	-46.99
2.31G	2.39G	1M	PK	2.38276G	-38.88	-42.24	-41.56
2.4835G	2.5G	1M	PK	2.48352G	-36.94	-42.56	-38.33
2.5G	3.1G	1M	PK	2.5033G	-43.00	-45.71	-46.34

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

CSE Bandedge [AV]

2452MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-51.98	-55.33	-54.68
2.31G	2.39G	1M	AV	2.3898G	-49.59	-53.01	-52.23
2.4835G	2.5G	1M	AV	2.48404G	-48.29	-51.43	-51.18
2.5G	3.1G	1M	AV	2.5006G	-52.37	-55.25	-55.52



**Unwanted Conducted Emissions into Restricted Frequency Bands(3.1G~25GHz) - SC Module**

**Appendix D.3**

**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	4G	5G	AV	4.874G	5.41	-60.24	-49.95	-49.56	-44.15	-41.20	-2.95
802.11g_Nss1,(6Mbps)_2TX	Pass	8G	25G	AV	22.15888G	5.41	-68.77	-67.53	-65.10	-59.69	-41.20	-18.49
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	Pass	7G	8G	AV	7.307G	5.41	-74.01	-65.70	-65.10	-59.69	-41.20	-18.49
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	Pass	8G	25G	AV	22.17428G	5.41	-67.20	-68.13	-64.63	-59.22	-41.20	-18.02

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3.1G	4G	AV	3.9793G	5.41	-77.74	-78.14	-74.93	-69.52	-41.20	-28.32
2412MHz	Pass	4G	5G	AV	4.824G	5.41	-73.22	-50.15	-50.13	-44.72	-41.20	-3.52
2412MHz	Pass	5G	7G	AV	5.398G	5.41	-76.07	-76.79	-73.40	-67.99	-41.20	-26.79
2412MHz	Pass	7G	8G	AV	7.496G	5.41	-73.55	-73.18	-70.35	-64.94	-41.20	-23.74
2412MHz	Pass	8G	25G	AV	22.15622G	5.41	-68.20	-68.54	-65.36	-59.95	-41.20	-18.75
2412MHz	Pass	3.1G	4G	PK	3.87175G	5.41	-67.73	-68.26	-64.98	-59.57	-21.20	-38.37
2412MHz	Pass	4G	5G	PK	4.824G	5.41	-65.66	-49.09	-49.00	-43.59	-21.20	-22.39
2412MHz	Pass	5G	7G	PK	5.4065G	5.41	-66.49	-66.38	-63.42	-58.01	-21.20	-36.81
2412MHz	Pass	7G	8G	PK	7.49G	5.41	-64.18	-62.79	-60.42	-55.01	-21.20	-33.81
2412MHz	Pass	8G	25G	PK	22.08397G	5.41	-61.11	-57.37	-55.84	-50.43	-21.20	-29.23
2437MHz	Pass	3.1G	4G	AV	3.99955G	5.41	-78.15	-77.82	-74.97	-69.56	-41.20	-28.36
2437MHz	Pass	4G	5G	AV	4.874G	5.41	-60.24	-49.95	-49.56	-44.15	-41.20	-2.95
2437MHz	Pass	5G	7G	AV	5.389G	5.41	-76.88	-76.36	-73.60	-68.19	-41.20	-26.99
2437MHz	Pass	7G	8G	AV	7.312G	5.41	-68.19	-56.68	-56.38	-50.97	-41.20	-9.77
2437MHz	Pass	8G	25G	AV	22.17906G	5.41	-67.98	-68.35	-65.15	-59.74	-41.20	-18.54
2437MHz	Pass	3.1G	4G	PK	3.9685G	5.41	-68.05	-67.23	-64.61	-59.20	-21.20	-38.00
2437MHz	Pass	4G	5G	PK	4.874G	5.41	-57.86	-48.52	-48.04	-42.63	-21.20	-21.43
2437MHz	Pass	5G	7G	PK	5.4055G	5.41	-65.73	-66.50	-63.09	-57.68	-21.20	-36.48
2437MHz	Pass	7G	8G	PK	7.311G	5.41	-61.11	-53.47	-52.78	-47.37	-21.20	-26.17
2437MHz	Pass	8G	25G	PK	22.12913G	5.41	-60.34	-59.05	-56.64	-51.23	-21.20	-30.03
2462MHz	Pass	3.1G	4G	AV	3.95095G	5.41	-77.82	-77.95	-74.87	-69.46	-41.20	-28.26
2462MHz	Pass	4G	5G	AV	4.924G	5.41	-61.35	-52.30	-51.79	-46.38	-41.20	-5.18
2462MHz	Pass	5G	7G	AV	5.4075G	5.41	-76.46	-76.62	-73.53	-68.12	-41.20	-26.92
2462MHz	Pass	7G	8G	AV	7.3865G	5.41	-71.79	-62.70	-62.20	-56.79	-41.20	-15.59
2462MHz	Pass	8G	25G	AV	22.09991G	5.41	-68.30	-68.82	-65.54	-60.13	-41.20	-18.93
2462MHz	Pass	3.1G	4G	PK	3.95455G	5.41	-67.96	-67.77	-64.85	-59.44	-21.20	-38.24
2462MHz	Pass	4G	5G	PK	4.924G	5.41	-58.61	-51.29	-50.55	-45.14	-21.20	-23.94
2462MHz	Pass	5G	7G	PK	5.3755G	5.41	-68.16	-64.83	-63.17	-57.76	-21.20	-36.56
2462MHz	Pass	7G	8G	PK	7.3865G	5.41	-62.87	-58.48	-57.13	-51.72	-21.20	-30.52
2462MHz	Pass	8G	25G	PK	22.15463G	5.41	-59.48	-59.97	-56.71	-51.30	-21.20	-30.10



**Unwanted Conducted Emissions into Restricted Frequency Bands(3.1G~25GHz) - SC Module**

**Appendix D.3**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3.1G	4G	AV	3.94645G	5.41	-78.31	-77.68	-74.97	-69.56	-41.20	-28.36
2412MHz	Pass	4G	5G	AV	4.824G	5.41	-75.22	-67.07	-66.45	-61.04	-41.20	-19.84
2412MHz	Pass	5G	7G	AV	5.4G	5.41	-76.46	-76.84	-73.64	-68.23	-41.20	-27.03
2412MHz	Pass	7G	8G	AV	7.499G	5.41	-73.41	-73.61	-70.50	-65.09	-41.20	-23.89
2412MHz	Pass	8G	25G	AV	22.07547G	5.41	-68.68	-68.45	-65.55	-60.14	-41.20	-18.94
2412MHz	Pass	3.1G	4G	PK	3.9613G	5.41	-66.56	-68.99	-64.60	-59.19	-21.20	-37.99
2412MHz	Pass	4G	5G	PK	4.8185G	5.41	-63.70	-55.26	-54.68	-49.27	-21.20	-28.07
2412MHz	Pass	5G	7G	PK	5.3995G	5.41	-65.75	-67.68	-63.60	-58.19	-21.20	-36.99
2412MHz	Pass	7G	8G	PK	7.2515G	5.41	-65.84	-60.13	-59.10	-53.69	-21.20	-32.49
2412MHz	Pass	8G	25G	PK	22.09247G	5.41	-60.00	-60.24	-57.11	-51.70	-21.20	-30.50
2437MHz	Pass	3.1G	4G	AV	3.9676G	5.41	-77.86	-77.75	-74.79	-69.38	-41.20	-28.18
2437MHz	Pass	4G	5G	AV	4.874G	5.41	-73.38	-66.39	-65.60	-60.19	-41.20	-18.99
2437MHz	Pass	5G	7G	AV	5.444G	5.41	-76.84	-76.52	-73.67	-68.26	-41.20	-27.06
2437MHz	Pass	7G	8G	AV	7.308G	5.41	-74.28	-66.25	-65.62	-60.21	-41.20	-19.01
2437MHz	Pass	8G	25G	AV	22.10203G	5.41	-68.28	-68.94	-65.59	-60.18	-41.20	-18.98
2437MHz	Pass	3.1G	4G	PK	3.9802G	5.41	-67.21	-68.68	-64.87	-59.46	-21.20	-38.26
2437MHz	Pass	4G	5G	PK	4.8735G	5.41	-62.25	-55.41	-54.59	-49.18	-21.20	-27.98
2437MHz	Pass	5G	7G	PK	5.453G	5.41	-67.16	-65.92	-63.49	-58.08	-21.20	-36.88
2437MHz	Pass	7G	8G	PK	7.3175G	5.41	-66.81	-55.04	-54.76	-49.35	-21.20	-28.15
2437MHz	Pass	8G	25G	PK	22.18331G	5.41	-58.94	-60.14	-56.49	-51.08	-21.20	-29.88
2462MHz	Pass	3.1G	4G	AV	3.9811G	5.41	-78.35	-77.75	-75.03	-69.62	-41.20	-28.42
2462MHz	Pass	4G	5G	AV	4.9235G	5.41	-71.69	-68.49	-66.79	-61.38	-41.20	-20.18
2462MHz	Pass	5G	7G	AV	5.4395G	5.41	-76.61	-76.98	-73.78	-68.37	-41.20	-27.17
2462MHz	Pass	7G	8G	AV	7.3855G	5.41	-74.51	-70.50	-69.05	-63.64	-41.20	-22.44
2462MHz	Pass	8G	25G	AV	22.15888G	5.41	-68.77	-67.53	-65.10	-59.69	-41.20	-18.49
2462MHz	Pass	3.1G	4G	PK	3.96355G	5.41	-69.17	-66.97	-64.92	-59.51	-21.20	-38.31
2462MHz	Pass	4G	5G	PK	4.9235G	5.41	-60.70	-58.04	-56.16	-50.75	-21.20	-29.55
2462MHz	Pass	5G	7G	PK	5.351G	5.41	-66.11	-66.39	-63.24	-57.83	-21.20	-36.63
2462MHz	Pass	7G	8G	PK	7.377G	5.41	-65.51	-59.21	-58.30	-52.89	-21.20	-31.69
2462MHz	Pass	8G	25G	PK	22.16206G	5.41	-57.87	-61.35	-56.26	-50.85	-21.20	-29.65
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	3.1G	4G	AV	3.99775G	5.41	-78.35	-77.67	-74.99	-69.58	-41.20	-28.38
2412MHz	Pass	4G	5G	AV	4.824G	5.41	-75.21	-68.67	-67.80	-62.39	-41.20	-21.19
2412MHz	Pass	5G	7G	AV	5.389G	5.41	-76.92	-76.68	-73.79	-68.38	-41.20	-27.18
2412MHz	Pass	7G	8G	AV	7.495G	5.41	-73.77	-73.38	-70.56	-65.15	-41.20	-23.95
2412MHz	Pass	8G	25G	AV	22.14825G	5.41	-68.72	-68.41	-65.55	-60.14	-41.20	-18.94
2412MHz	Pass	3.1G	4G	PK	3.865G	5.41	-67.84	-68.35	-65.08	-59.67	-21.20	-38.47
2412MHz	Pass	4G	5G	PK	4.819G	5.41	-66.34	-56.51	-56.08	-50.67	-21.20	-29.47
2412MHz	Pass	5G	7G	PK	5.4565G	5.41	-68.07	-65.97	-63.88	-58.47	-21.20	-37.27
2412MHz	Pass	7G	8G	PK	7.477G	5.41	-64.36	-63.48	-60.89	-55.48	-21.20	-34.28
2412MHz	Pass	8G	25G	PK	22.11053G	5.41	-59.40	-58.92	-56.14	-50.73	-21.20	-29.53





**Unwanted Conducted Emissions into Restricted Frequency Bands(3.1G~25GHz) - SC Module**

**Appendix D.3**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2437MHz	Pass	3.1G	4G	AV	3.95635G	5.41	-77.85	-78.27	-75.04	-69.63	-41.20	-28.43
2437MHz	Pass	4G	5G	AV	4.874G	5.41	-73.10	-66.25	-65.43	-60.02	-41.20	-18.82
2437MHz	Pass	5G	7G	AV	5.416G	5.41	-76.79	-76.48	-73.62	-68.21	-41.20	-27.01
2437MHz	Pass	7G	8G	AV	7.307G	5.41	-74.01	-65.70	-65.10	-59.69	-41.20	-18.49
2437MHz	Pass	8G	25G	AV	22.18172G	5.41	-68.53	-68.67	-65.59	-60.18	-41.20	-18.98
2437MHz	Pass	3.1G	4G	PK	3.946G	5.41	-68.92	-66.88	-64.77	-59.36	-21.20	-38.16
2437MHz	Pass	4G	5G	PK	4.8715G	5.41	-64.15	-56.48	-55.79	-50.38	-21.20	-29.18
2437MHz	Pass	5G	7G	PK	5.417G	5.41	-66.76	-67.69	-64.19	-58.78	-21.20	-37.58
2437MHz	Pass	7G	8G	PK	7.309G	5.41	-64.96	-53.72	-53.41	-48.00	-21.20	-26.80
2437MHz	Pass	8G	25G	PK	22.15781G	5.41	-61.56	-58.93	-57.04	-51.63	-21.20	-30.43
2462MHz	Pass	3.1G	4G	AV	3.98965G	5.41	-78.12	-78.10	-75.10	-69.69	-41.20	-28.49
2462MHz	Pass	4G	5G	AV	4.924G	5.41	-72.53	-69.71	-67.88	-62.47	-41.20	-21.27
2462MHz	Pass	5G	7G	AV	5.4215G	5.41	-76.46	-76.93	-73.68	-68.27	-41.20	-27.07
2462MHz	Pass	7G	8G	AV	7.3845G	5.41	-74.40	-71.94	-69.99	-64.58	-41.20	-23.38
2462MHz	Pass	8G	25G	AV	22.09884G	5.41	-68.37	-68.57	-65.46	-60.05	-41.20	-18.85
2462MHz	Pass	3.1G	4G	PK	3.9694G	5.41	-66.34	-69.78	-64.72	-59.31	-21.20	-38.11
2462MHz	Pass	4G	5G	PK	4.924G	5.41	-61.59	-61.05	-58.30	-52.89	-21.20	-31.69
2462MHz	Pass	5G	7G	PK	5.364G	5.41	-65.47	-68.78	-63.81	-58.40	-21.20	-37.20
2462MHz	Pass	7G	8G	PK	7.455G	5.41	-65.25	-62.17	-60.43	-55.02	-21.20	-33.82
2462MHz	Pass	8G	25G	PK	22.11425G	5.41	-61.34	-58.26	-56.52	-51.11	-21.20	-29.91
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	3.1G	4G	AV	3.97615G	5.41	-77.84	-78.39	-75.10	-69.69	-41.20	-28.49
2422MHz	Pass	4G	5G	AV	4.844G	5.41	-75.78	-73.67	-71.59	-66.18	-41.20	-24.98
2422MHz	Pass	5G	7G	AV	5.426G	5.41	-77.16	-76.24	-73.67	-68.26	-41.20	-27.06
2422MHz	Pass	7G	8G	AV	7.4575G	5.41	-73.22	-73.68	-70.43	-65.02	-41.20	-23.82
2422MHz	Pass	8G	25G	AV	22.14825G	5.41	-68.87	-68.39	-65.61	-60.20	-41.20	-19.00
2422MHz	Pass	3.1G	4G	PK	3.9622G	5.41	-68.43	-67.46	-64.91	-59.50	-21.20	-38.30
2422MHz	Pass	4G	5G	PK	4.8435G	5.41	-66.98	-63.35	-61.79	-56.38	-21.20	-35.18
2422MHz	Pass	5G	7G	PK	5.3675G	5.41	-66.05	-67.12	-63.54	-58.13	-21.20	-36.93
2422MHz	Pass	7G	8G	PK	7.4845G	5.41	-63.04	-65.29	-61.01	-55.60	-21.20	-34.40
2422MHz	Pass	8G	25G	PK	22.13656G	5.41	-58.65	-61.43	-56.81	-51.40	-21.20	-30.20
2437MHz	Pass	3.1G	4G	AV	3.9964G	5.41	-78.29	-77.94	-75.10	-69.69	-41.20	-28.49
2437MHz	Pass	4G	5G	AV	4.8745G	5.41	-76.02	-71.56	-70.23	-64.82	-41.20	-23.62
2437MHz	Pass	5G	7G	AV	5.424G	5.41	-76.64	-76.97	-73.79	-68.38	-41.20	-27.18
2437MHz	Pass	7G	8G	AV	7.3005G	5.41	-74.82	-72.49	-70.49	-65.08	-41.20	-23.88
2437MHz	Pass	8G	25G	AV	22.17428G	5.41	-67.20	-68.13	-64.63	-59.22	-41.20	-18.02
2437MHz	Pass	3.1G	4G	PK	3.91405G	5.41	-67.38	-67.68	-64.52	-59.11	-21.20	-37.91
2437MHz	Pass	4G	5G	PK	4.8615G	5.41	-67.30	-60.52	-59.69	-54.28	-21.20	-33.08
2437MHz	Pass	5G	7G	PK	5.3865G	5.41	-65.58	-66.16	-62.85	-57.44	-21.20	-36.24
2437MHz	Pass	7G	8G	PK	7.473G	5.41	-63.57	-62.50	-59.99	-54.58	-21.20	-33.38
2437MHz	Pass	8G	25G	PK	22.12434G	5.41	-60.46	-59.71	-57.06	-51.65	-21.20	-30.45
2452MHz	Pass	3.1G	4G	AV	3.97705G	5.41	-78.01	-78.27	-75.13	-69.72	-41.20	-28.52



**Unwanted Conducted Emissions into Restricted  
Frequency Bands(3.1G~25GHz) - SC Module**

**Appendix D.3**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2452MHz	Pass	4G	5G	AV	4.904G	5.41	-75.22	-74.02	-71.57	-66.16	-41.20	-24.96
2452MHz	Pass	5G	7G	AV	5.4445G	5.41	-76.85	-76.68	-73.75	-68.34	-41.20	-27.14
2452MHz	Pass	7G	8G	AV	7.488G	5.41	-73.82	-73.62	-70.71	-65.30	-41.20	-24.10
2452MHz	Pass	8G	25G	AV	22.10894G	5.41	-68.05	-68.81	-65.40	-59.99	-41.20	-18.79
2452MHz	Pass	3.1G	4G	PK	3.9847G	5.41	-66.56	-70.20	-65.00	-59.59	-21.20	-38.39
2452MHz	Pass	4G	5G	PK	4.904G	5.41	-65.40	-62.85	-60.93	-55.52	-21.20	-34.32
2452MHz	Pass	5G	7G	PK	5.371G	5.41	-69.33	-65.26	-63.82	-58.41	-21.20	-37.21
2452MHz	Pass	7G	8G	PK	7.4335G	5.41	-64.43	-64.36	-61.38	-55.97	-21.20	-34.77
2452MHz	Pass	8G	25G	PK	22.12488G	5.41	-59.83	-60.21	-57.01	-51.60	-21.20	-30.40

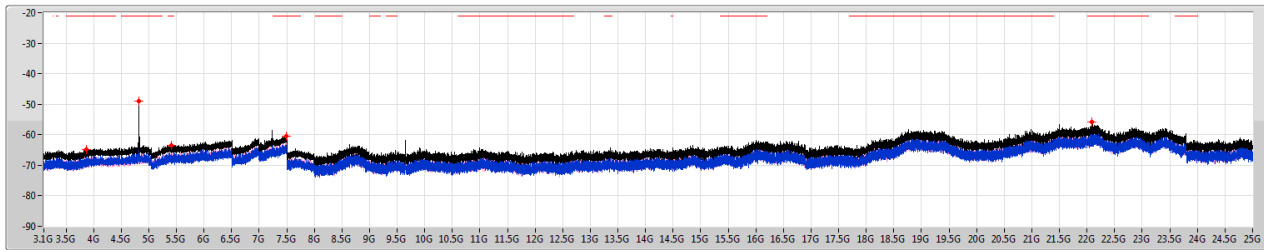
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX



2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

CSE [PK]

2412MHz



LimitPK

Sum.PK

Port 1

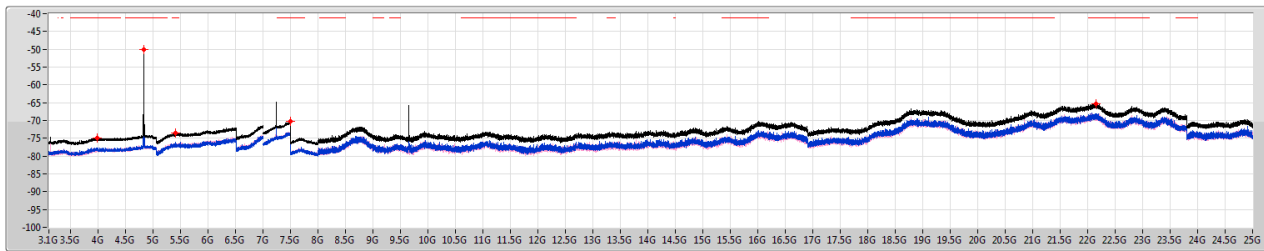
Port 2

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.87175G	-64.98	-67.73	-68.26
4G	5G	1M	PK	4.824G	-49.00	-55.66	-49.09
5G	7G	1M	PK	5.4065G	-63.42	-66.49	-66.38
7G	8G	1M	PK	7.49G	-60.42	-64.18	-62.79
8G	25G	1M	PK	22.08397G	-55.84	-61.11	-57.37

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

CSE [AV]

2412MHz



LimitAV

Sum.AV

Port 1

Port 2

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.9799G	-74.93	-77.74	-78.14
4G	5G	1M	AV	4.824G	-50.13	-73.22	-50.15
5G	7G	1M	AV	5.398G	-73.40	-76.07	-76.79
7G	8G	1M	AV	7.496G	-70.35	-73.55	-73.18
8G	25G	1M	AV	22.15622G	-65.36	-68.20	-68.54



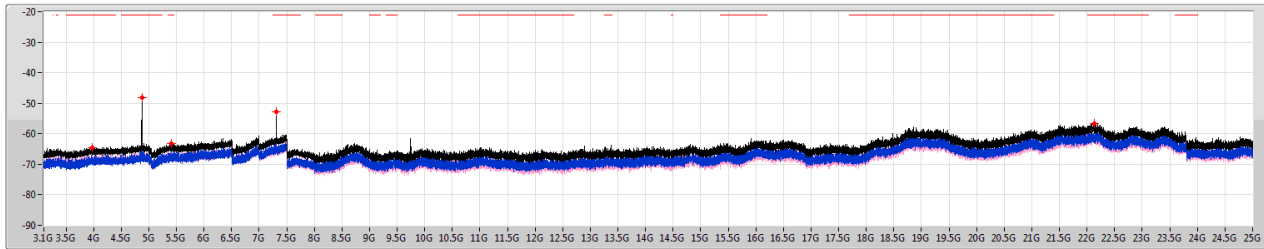
# Unwanted Conducted Emissions into Restricted Frequency Bands(3.1G~25GHz) - SC Module

## Appendix D.3

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

CSE [PK]

2437MHz



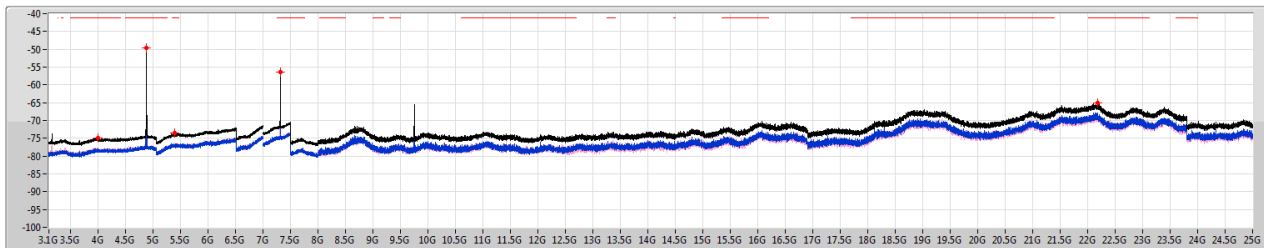
- Limit.PK
- Sum.PK
- Port.1
- Port.2

F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.9685G	-64.61	-68.05	-67.23
4G	5G	1M	PK	4.874G	-48.04	-57.88	-46.52
5G	7G	1M	PK	5.4055G	-63.09	-65.73	-66.30
7G	8G	1M	PK	7.311G	-52.78	-61.11	-53.47
8G	25G	1M	PK	22.12913G	-56.64	-60.34	-59.05

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

CSE [AV]

2437MHz



- Limit.AV
- Sum.AV
- Port.1
- Port.2

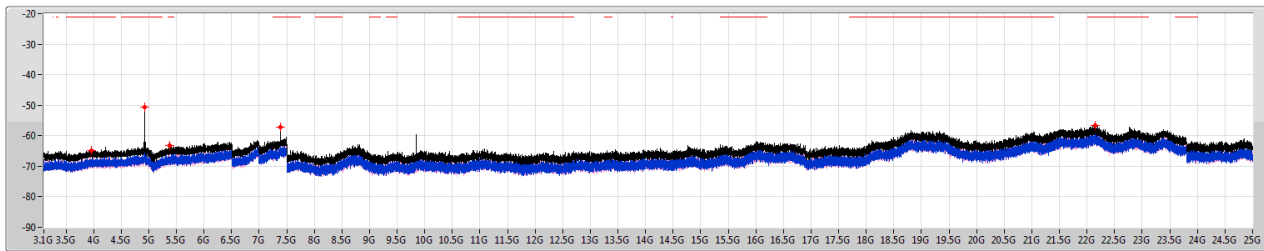
F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.99955G	-74.97	-78.15	-77.82
4G	5G	1M	AV	4.874G	-49.56	-60.24	-49.95
5G	7G	1M	AV	5.389G	-73.60	-76.88	-76.36
7G	8G	1M	AV	7.312G	-56.38	-68.19	-56.68
8G	25G	1M	AV	22.17906G	-65.15	-67.98	-68.35



2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

CSE [PK]

2462MHz

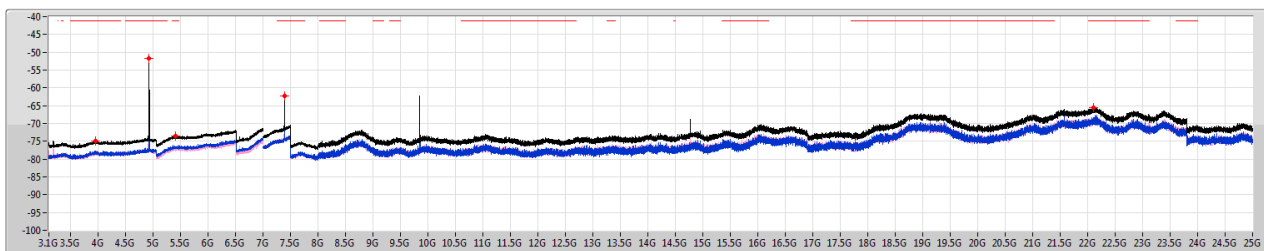


F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.95455G	-64.85	-67.96	-67.77
4G	5G	1M	PK	4.924G	-50.55	-58.61	-51.29
5G	7G	1M	PK	5.3755G	-63.17	-68.16	-64.83
7G	8G	1M	PK	7.3865G	-57.13	-62.87	-58.48
8G	25G	1M	PK	22.15463G	-56.71	-59.48	-59.97

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX

CSE [AV]

2462MHz



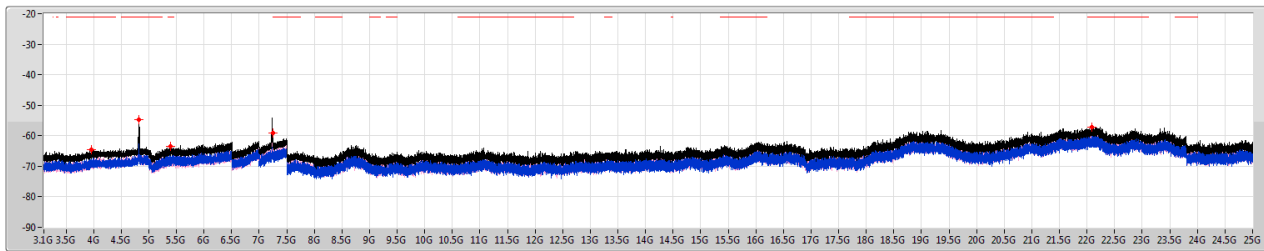
F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.95095G	-74.87	-77.82	-77.95
4G	5G	1M	AV	4.924G	-51.79	-61.35	-52.30
5G	7G	1M	AV	5.4075G	-73.53	-76.46	-76.62
7G	8G	1M	AV	7.3865G	-62.20	-71.79	-62.70
8G	25G	1M	AV	22.09991G	-65.54	-68.30	-68.82



2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

CSE [PK]

2412MHz



Limit.PK

Sum.PK

Port.1

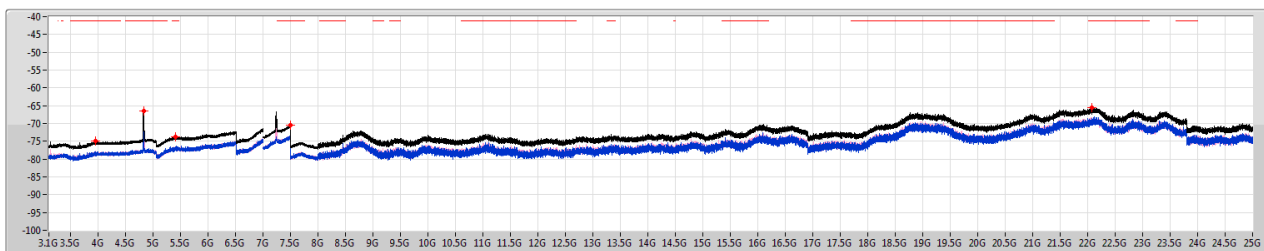
Port.2

F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.9613G	-64.60	-66.56	-68.99
4G	5G	1M	PK	4.8185G	-54.68	-63.70	-55.26
5G	7G	1M	PK	5.3995G	-63.60	-65.75	-67.68
7G	8G	1M	PK	7.2515G	-59.10	-65.84	-60.13
8G	25G	1M	PK	22.09247G	-57.11	-60.00	-60.24

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

CSE [AV]

2412MHz



Limit.AV

Sum.AV

Port.1

Port.2

F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.94645G	-74.97	-78.31	-77.68
4G	5G	1M	AV	4.824G	-66.45	-75.22	-67.07
5G	7G	1M	AV	5.4G	-73.64	-76.46	-76.84
7G	8G	1M	AV	7.499G	-70.50	-73.41	-73.61
8G	25G	1M	AV	22.07547G	-65.55	-68.68	-68.45



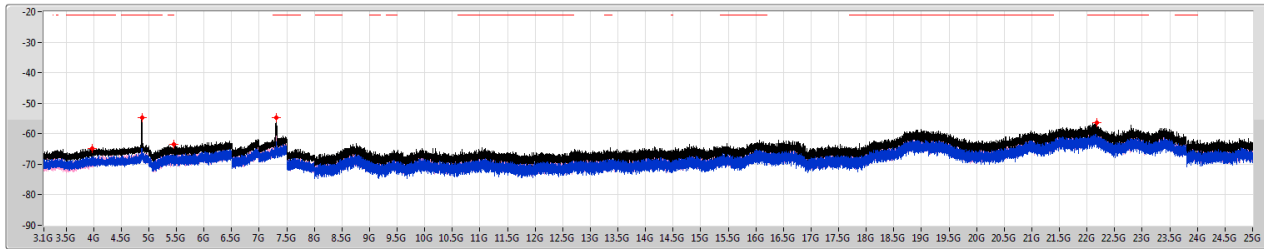
# Unwanted Conducted Emissions into Restricted Frequency Bands(3.1G~25GHz) - SC Module

## Appendix D.3

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

CSE [PK]

2437MHz



Limit.PK

Sum.PK

Port.1

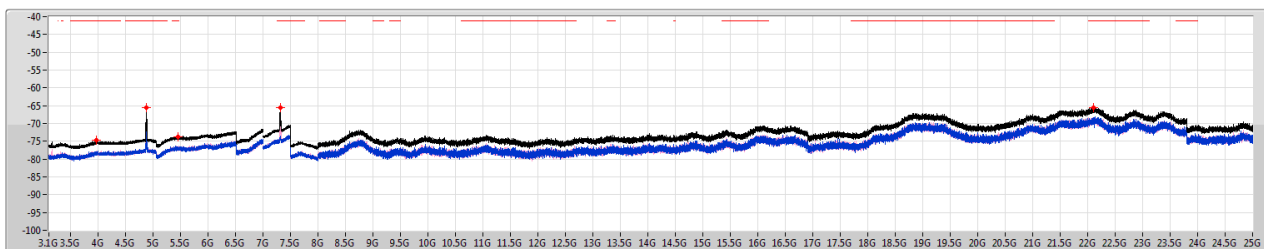
Port.2

F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.9802G	-64.87	-67.21	-68.68
4G	5G	1M	PK	4.8735G	-54.39	-62.25	-55.41
5G	7G	1M	PK	5.453G	-63.49	-67.16	-65.92
7G	8G	1M	PK	7.3175G	-54.76	-66.81	-55.04
8G	25G	1M	PK	22.18331G	-56.49	-58.94	-60.14

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

CSE [AV]

2437MHz



Limit.AV

Sum.AV

Port.1

Port.2

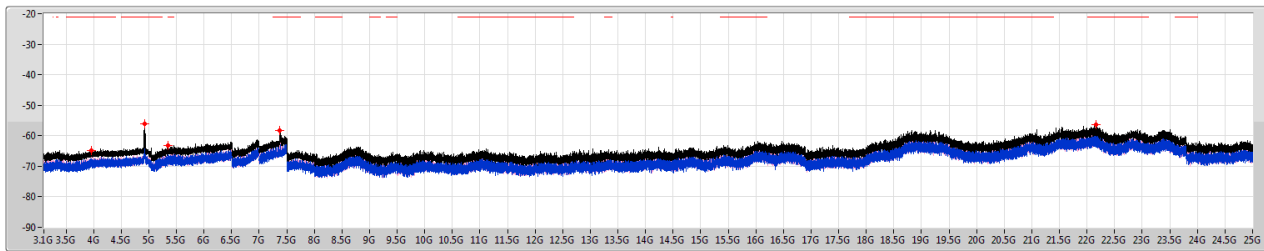
F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.9676G	-74.79	-77.86	-77.75
4G	5G	1M	AV	4.874G	-65.60	-73.38	-66.39
5G	7G	1M	AV	5.444G	-73.67	-76.84	-76.52
7G	8G	1M	AV	7.308G	-65.62	-74.28	-66.25
8G	25G	1M	AV	22.10203G	-65.59	-68.28	-68.94



2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

CSE [PK]

2462MHz

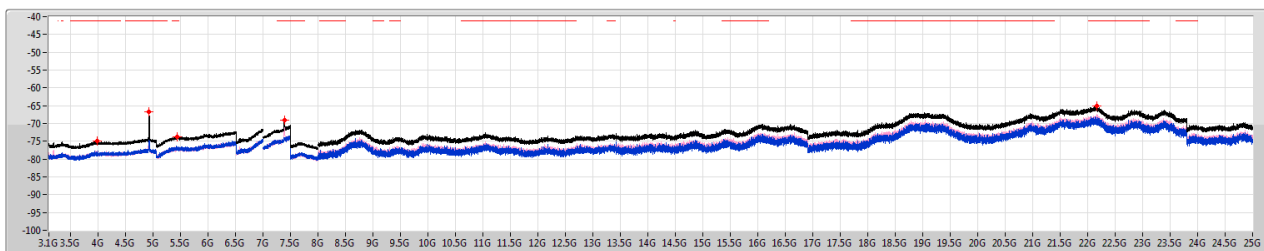


F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.96355G	-64.92	-69.17	-66.97
4G	5G	1M	PK	4.9235G	-56.16	-60.70	-58.04
5G	7G	1M	PK	5.351G	-63.24	-66.11	-66.39
7G	8G	1M	PK	7.377G	-58.30	-65.51	-59.21
8G	25G	1M	PK	22.16206G	-56.26	-57.87	-61.35

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

CSE [AV]

2462MHz



F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.9811G	-75.03	-78.35	-77.75
4G	5G	1M	AV	4.9235G	-66.79	-71.69	-68.49
5G	7G	1M	AV	5.4295G	-73.78	-76.61	-76.98
7G	8G	1M	AV	7.3855G	-69.05	-74.51	-70.50
8G	25G	1M	AV	22.15888G	-65.10	-68.77	-67.53





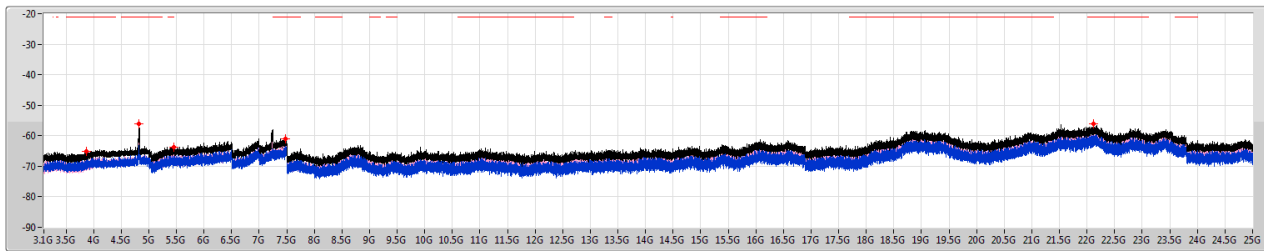
# Unwanted Conducted Emissions into Restricted Frequency Bands(3.1G~25GHz) - SC Module

## Appendix D.3

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE [PK]

2412MHz



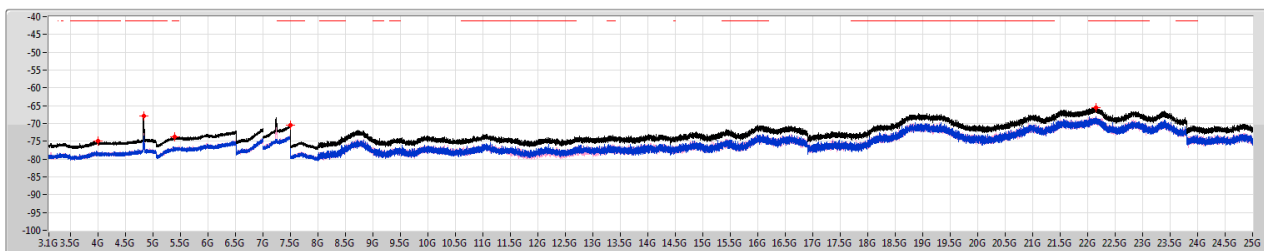
- Limit.PK
- Sum.PK
- Port.1
- Port.2

F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.865G	-65.08	-67.84	-68.35
4G	5G	1M	PK	4.819G	-56.08	-66.34	-56.51
5G	7G	1M	PK	5.4565G	-63.88	-68.07	-65.97
7G	8G	1M	PK	7.477G	-60.89	-64.36	-63.48
8G	25G	1M	PK	22.11053G	-56.14	-59.40	-58.92

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE [AV]

2412MHz



- Limit.AV
- Sum.AV
- Port.1
- Port.2

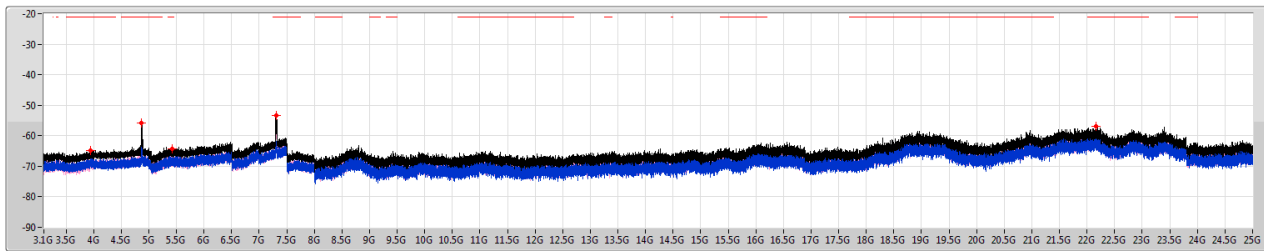
F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.99775G	-74.99	-78.35	-77.67
4G	5G	1M	AV	4.824G	-67.80	-75.21	-66.67
5G	7G	1M	AV	5.389G	-73.79	-76.92	-76.68
7G	8G	1M	AV	7.495G	-70.56	-73.77	-73.38
8G	25G	1M	AV	22.14825G	-65.55	-68.72	-68.41



2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE [PK]

2437MHz

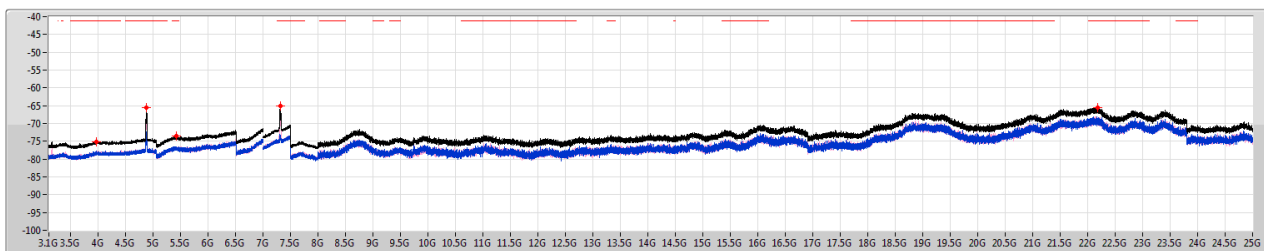


F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.946G	-64.77	-68.92	-66.88
4G	5G	1M	PK	4.8715G	-55.79	-64.15	-56.48
5G	7G	1M	PK	5.427G	-64.19	-66.76	-67.69
7G	8G	1M	PK	7.309G	-53.41	-64.96	-53.72
8G	25G	1M	PK	22.15781G	-57.04	-61.56	-58.93

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE [AV]

2437MHz



F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.95635G	-75.04	-77.85	-78.27
4G	5G	1M	AV	4.874G	-65.43	-73.10	-66.25
5G	7G	1M	AV	5.416G	-73.62	-76.79	-76.48
7G	8G	1M	AV	7.307G	-65.10	-74.01	-65.70
8G	25G	1M	AV	22.18172G	-65.59	-68.53	-68.67



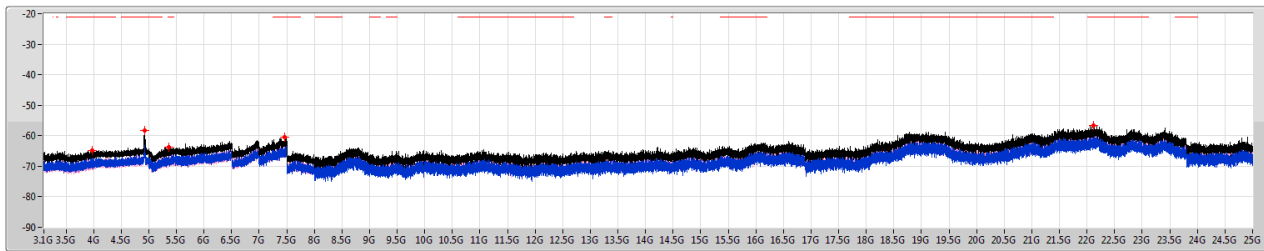
# Unwanted Conducted Emissions into Restricted Frequency Bands(3.1G~25GHz) - SC Module

## Appendix D.3

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE [PK]

2462MHz



Limit.PK

Sum.PK

Port.1

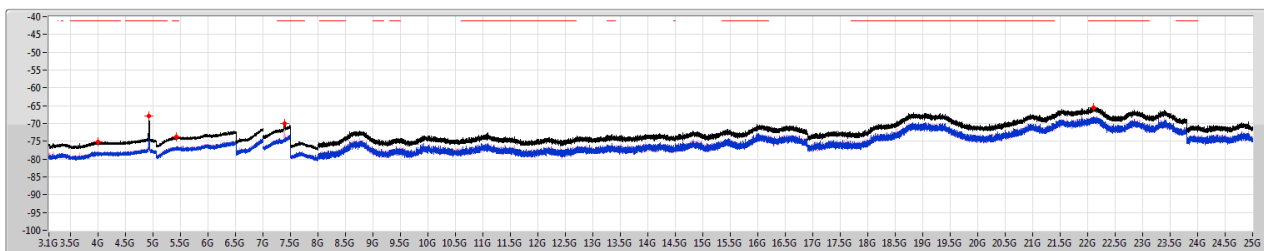
Port.2

F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.9694G	-64.72	-66.34	-69.78
4G	5G	1M	PK	4.924G	-58.30	-61.39	-61.05
5G	7G	1M	PK	5.364G	-63.21	-65.47	-63.78
7G	8G	1M	PK	7.455G	-60.43	-65.25	-62.17
8G	25G	1M	PK	22.11425G	-56.52	-61.34	-58.26

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE [AV]

2462MHz



Limit.AV

Sum.AV

Port.1

Port.2

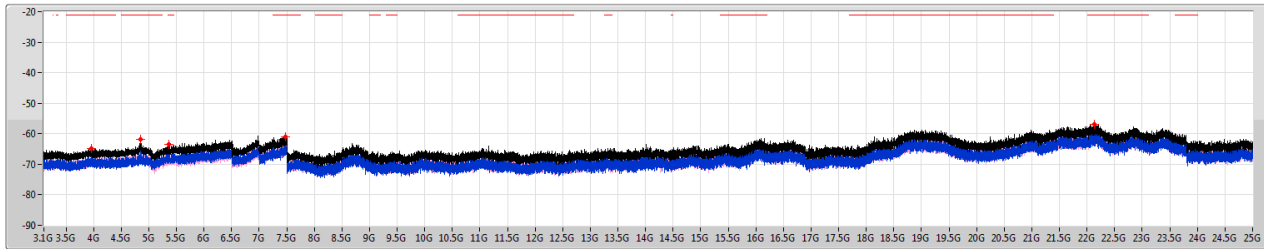
F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.98965G	-75.10	-78.12	-78.10
4G	5G	1M	AV	4.924G	-67.88	-72.53	-69.71
5G	7G	1M	AV	5.4215G	-73.68	-76.46	-76.99
7G	8G	1M	AV	7.3845G	-69.99	-74.40	-71.94
8G	25G	1M	AV	22.09884G	-65.46	-68.37	-68.57



2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

CSE [PK]

2422MHz

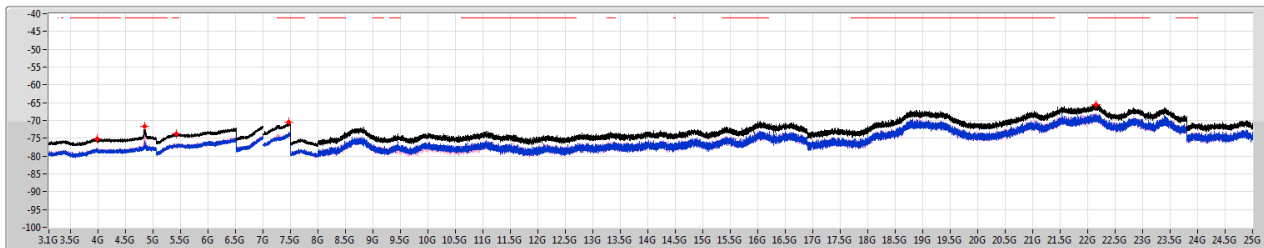


F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.9622G	-64.91	-68.43	-67.46
4G	5G	1M	PK	4.8435G	-61.79	-66.98	-63.35
5G	7G	1M	PK	5.3675G	-63.54	-66.05	-67.12
7G	8G	1M	PK	7.4845G	-61.01	-63.04	-65.29
8G	25G	1M	PK	22.13656G	-56.81	-58.65	-61.43

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

CSE [AV]

2422MHz



F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.97615G	-75.10	-77.84	-78.39
4G	5G	1M	AV	4.8444G	-71.39	-75.78	-73.67
5G	7G	1M	AV	5.426G	-73.67	-77.16	-76.24
7G	8G	1M	AV	7.4575G	-70.43	-73.22	-73.68
8G	25G	1M	AV	22.14825G	-65.61	-68.87	-68.39



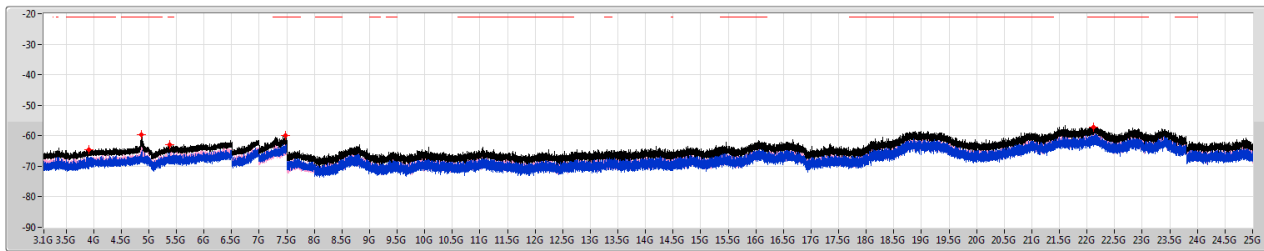
# Unwanted Conducted Emissions into Restricted Frequency Bands(3.1G~25GHz) - SC Module

## Appendix D.3

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

CSE [PK]

2437MHz



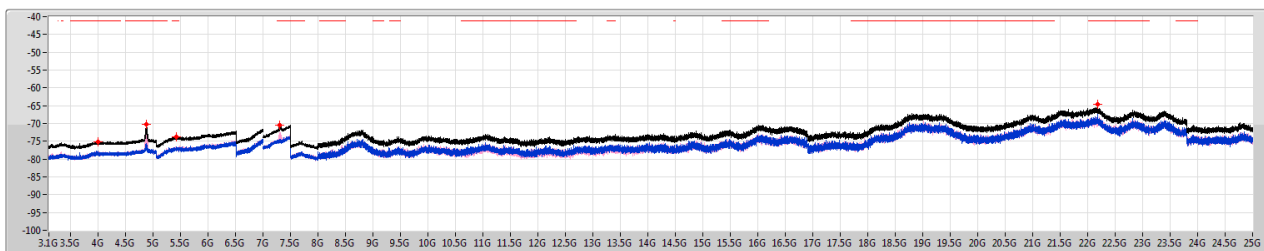
- Limit.PK
- Sum.PK
- Port.1
- Port.2

F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.91405G	-64.52	-67.38	-67.68
4G	5G	1M	PK	4.9615G	-59.69	-67.30	-60.52
5G	7G	1M	PK	5.3865G	-62.85	-65.50	-66.16
7G	8G	1M	PK	7.473G	-59.99	-63.57	-62.50
8G	25G	1M	PK	22.12434G	-57.06	-60.46	-59.71

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

CSE [AV]

2437MHz



- Limit.AV
- Sum.AV
- Port.1
- Port.2

F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.9964G	-75.10	-78.29	-77.94
4G	5G	1M	AV	4.8745G	-70.23	-76.02	-71.56
5G	7G	1M	AV	5.424G	-73.79	-76.64	-76.97
7G	8G	1M	AV	7.3005G	-70.49	-74.82	-72.49
8G	25G	1M	AV	22.17428G	-64.63	-67.20	-68.13

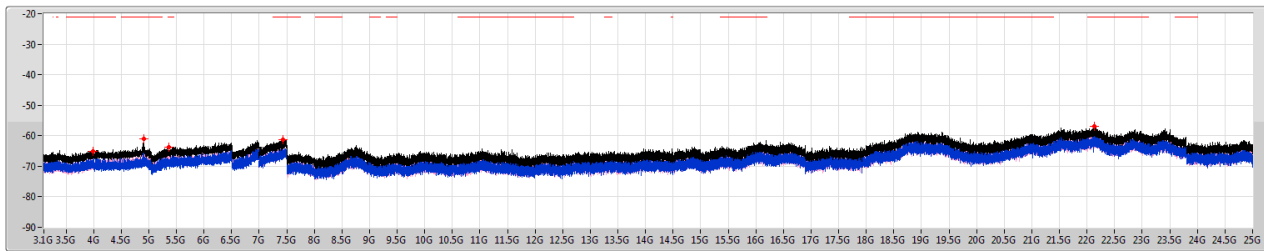


# Unwanted Conducted Emissions into Restricted Frequency Bands(3.1G~25GHz) - SC Module

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

CSE [PK]

2452MHz



Limit.PK

Sum.PK

Port.1

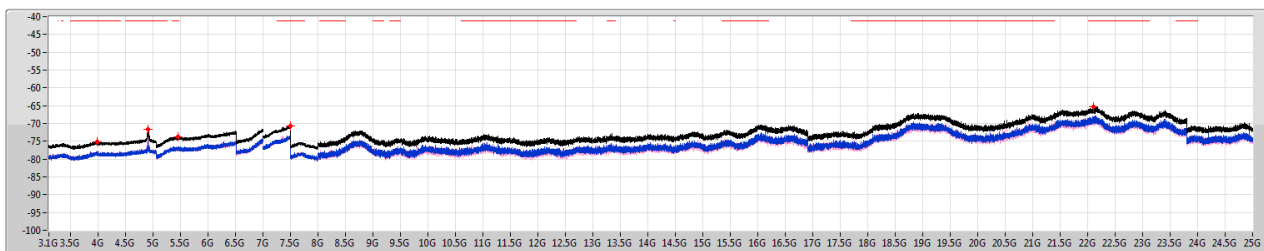
Port.2

F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.9847G	-65.00	-66.56	-70.20
4G	5G	1M	PK	4.904G	-60.93	-65.40	-62.85
5G	7G	1M	PK	5.371G	-63.82	-69.33	-65.26
7G	8G	1M	PK	7.4335G	-61.38	-64.43	-64.36
8G	25G	1M	PK	22.12488G	-57.01	-59.83	-60.21

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

CSE [AV]

2452MHz



Limit.AV

Sum.AV

Port.1

Port.2

F.Start(Hz)	F.Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.97705G	-75.13	-78.01	-78.27
4G	5G	1M	AV	4.904G	-71.57	-75.22	-74.02
5G	7G	1M	AV	5.4445G	-73.75	-76.85	-76.68
7G	8G	1M	AV	7.488G	-70.71	-73.82	-73.62
8G	25G	1M	AV	22.10894G	-65.40	-68.05	-68.81



**Unwanted Conducted Emissions into Restricted Frequency Bands(30M~1GHz) - ST Module**

**Appendix D.4**

**Summary**

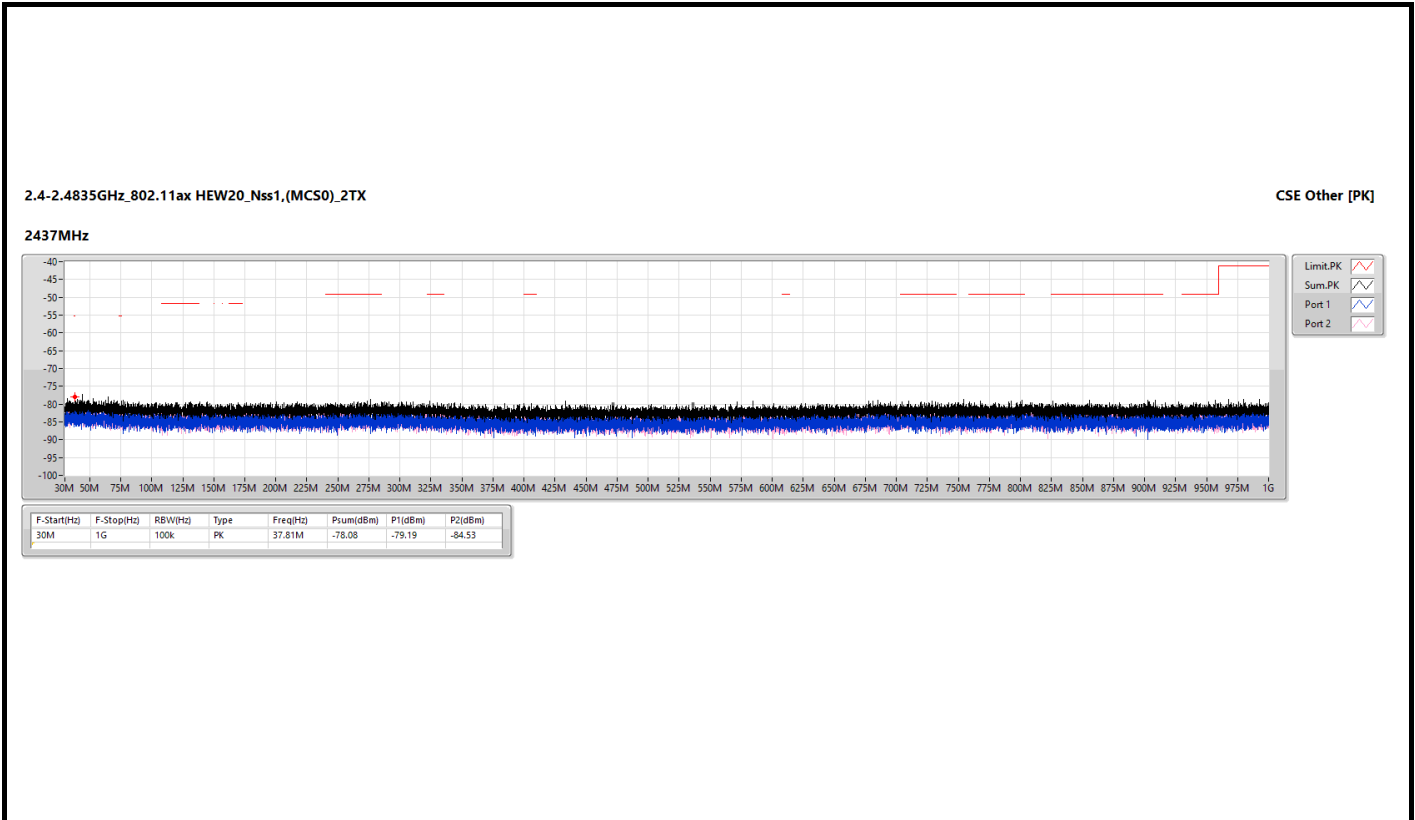
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	GRF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	Pass	30M	1G	PK	37.81M	5.41	-79.19	-84.53	-78.08	4.7	-67.97	-55.20	-12.77

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	GRF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	30M	1G	PK	37.81M	5.41	-79.19	-84.53	-78.08	4.7	-67.97	-55.20	-12.77

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX





**Unwanted Conducted Emissions into Restricted Frequency Bands (1G~3.1GHz) - ST Module**

**Appendix D.5**

**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	Pass	2.4835G	2.5G	AV	2.48352G	5.41	-51.77	-51.30	-48.52	-43.11	-41.20	-1.91

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-	-	-	-
2462MHz	Pass	1G	2.31G	AV	2.31G	5.41	-54.53	-53.36	-50.90	-45.49	-41.20	-4.29
2462MHz	Pass	2.31G	2.39G	AV	2.38668G	5.41	-51.93	-51.89	-48.90	-43.49	-41.20	-2.29
2462MHz	Pass	2.4835G	2.5G	AV	2.48352G	5.41	-51.77	-51.30	-48.52	-43.11	-41.20	-1.91
2462MHz	Pass	2.5G	3.1G	AV	2.5024G	5.41	-54.75	-54.94	-51.83	-46.42	-41.20	-5.22
2462MHz	Pass	1G	2.31G	PK	2.31G	5.41	-45.12	-44.71	-41.90	-36.49	-21.20	-15.29
2462MHz	Pass	2.31G	2.39G	PK	2.37G	5.41	-41.83	-40.08	-37.86	-32.45	-21.20	-11.25
2462MHz	Pass	2.4835G	2.5G	PK	2.48378G	5.41	-39.36	-39.68	-36.51	-31.10	-21.20	-9.90
2462MHz	Pass	2.5G	3.1G	PK	2.5039G	5.41	-44.10	-45.56	-41.76	-36.35	-21.20	-15.15

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

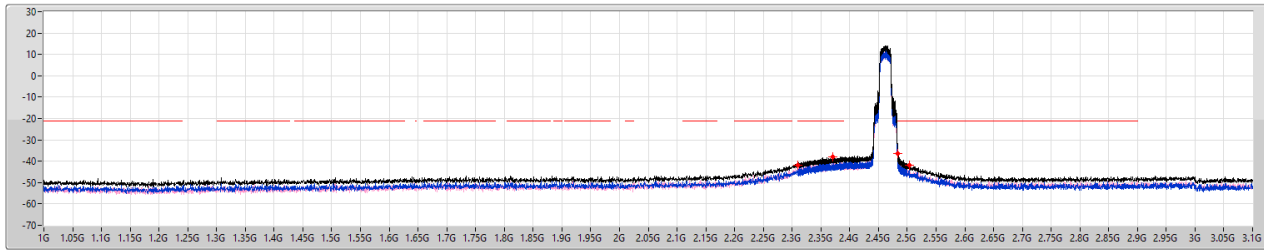




2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE Bandedge [PK]

2462MHz



Limit.PK

Sum.PK

Port 1

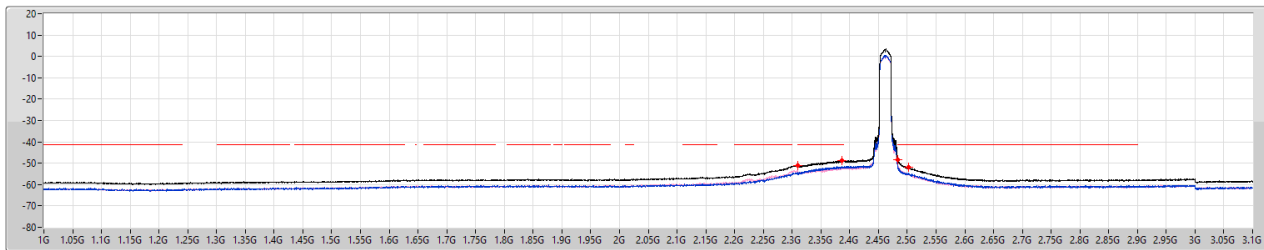
Port 2

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	PK	2.31G	-41.90	-45.12	-44.71
2.31G	2.39G	1M	PK	2.37G	-37.86	-41.83	-40.08
2.4835G	2.5G	1M	PK	2.48378G	-36.51	-39.36	-39.68
2.5G	3.1G	1M	PK	2.5039G	-41.76	-44.10	-45.56

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE Bandedge [AV]

2462MHz



Limit.AV

Sum.AV

Port 1

Port 2

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
1G	2.31G	1M	AV	2.31G	-50.90	-54.53	-53.36
2.31G	2.39G	1M	AV	2.38668G	-48.90	-51.93	-51.89
2.4835G	2.5G	1M	AV	2.48352G	-48.52	-51.77	-51.30
2.5G	3.1G	1M	AV	2.5024G	-51.83	-54.75	-54.94



**Unwanted Conducted Emissions into Restricted Frequency Bands(3.1G~25GHz) - ST Module**

**Appendix D.6**

**Summary**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	Pass	8G	25G	AV	22.20403G	5.41	-67.95	-69.04	-65.45	-60.04	-41.20	-18.84

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

**Result**

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	P2 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-	-	-	-	-	-	-
2462MHz	Pass	3.1G	4G	AV	3.99055G	5.41	-78.22	-78.18	-75.19	-69.78	-41.20	-28.58
2462MHz	Pass	4G	5G	AV	4.924G	5.41	-73.29	-71.57	-69.34	-63.93	-41.20	-22.73
2462MHz	Pass	5G	7G	AV	5.396G	5.41	-76.57	-76.83	-73.69	-68.28	-41.20	-27.08
2462MHz	Pass	7G	8G	AV	7.3845G	5.41	-74.43	-71.29	-69.57	-64.16	-41.20	-22.96
2462MHz	Pass	8G	25G	AV	22.20403G	5.41	-67.95	-69.04	-65.45	-60.04	-41.20	-18.84
2462MHz	Pass	3.1G	4G	PK	3.8686G	5.41	-67.83	-67.96	-64.88	-59.47	-21.20	-38.27
2462MHz	Pass	4G	5G	PK	4.919G	5.41	-65.27	-60.72	-59.41	-54.00	-21.20	-32.80
2462MHz	Pass	5G	7G	PK	5.4215G	5.41	-64.47	-68.23	-62.94	-57.53	-21.20	-36.33
2462MHz	Pass	7G	8G	PK	7.381G	5.41	-65.89	-60.79	-59.62	-54.21	-21.20	-33.01
2462MHz	Pass	8G	25G	PK	22.83569G	5.41	-57.90	-62.66	-56.65	-51.24	-21.20	-30.04

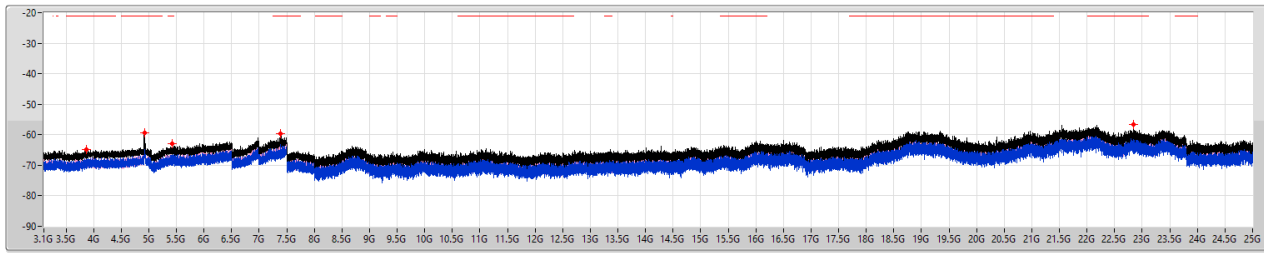
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX



2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE [PK]

2462MHz



LimitPK

Sum.PK

Port 1

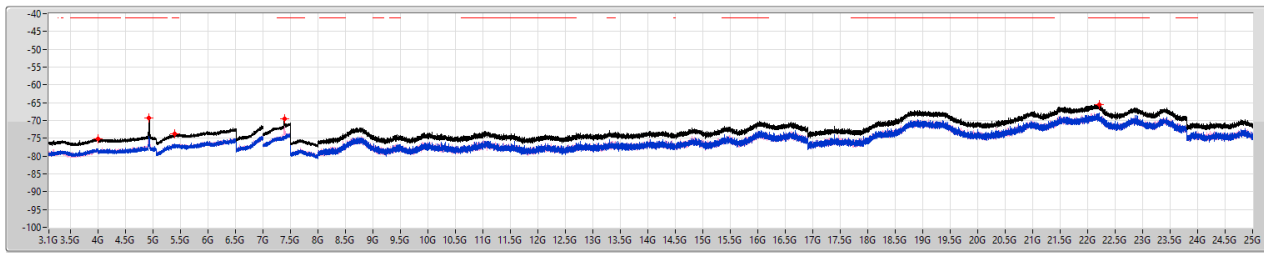
Port 2

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	PK	3.8686G	-64.88	-67.83	-67.96
4G	5G	1M	PK	4.919G	-59.41	-65.27	-60.72
5G	7G	1M	PK	5.4215G	-62.94	-64.47	-68.23
7G	8G	1M	PK	7.381G	-59.62	-65.89	-60.79
8G	25G	1M	PK	22.83569G	-56.65	-57.90	-62.66

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

CSE [AV]

2462MHz



LimitAV

Sum.AV

Port 1

Port 2

F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	Psum(dBm)	P1(dBm)	P2(dBm)
3.1G	4G	1M	AV	3.99055G	-75.19	-78.22	-78.18
4G	5G	1M	AV	4.924G	-69.34	-73.29	-71.57
5G	7G	1M	AV	5.396G	-73.69	-76.57	-76.83
7G	8G	1M	AV	7.3845G	-69.57	-74.43	-71.29
8G	25G	1M	AV	22.20403G	-65.45	-67.95	-69.04

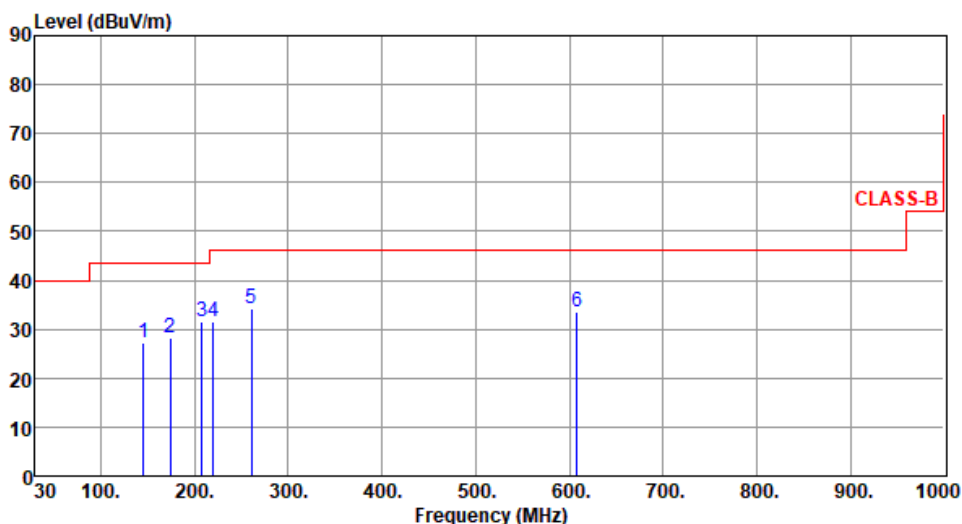


SC Module

Unwanted Emissions (Below 1GHz)

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	2437
Polarization	Horizontal		

Test By :Sean Yu      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	145.43	27.14	43.50	-16.36	36.08	-8.94	Peak	---	---
2	174.53	28.19	43.50	-15.31	37.86	-9.67	Peak	---	---
3	207.51	31.53	43.50	-11.97	43.47	-11.94	Peak	---	---
4	220.12	31.61	46.00	-14.39	43.46	-11.85	Peak	---	---
5	260.86	34.19	46.00	-11.81	43.67	-9.48	Peak	---	---
6	608.12	33.57	46.00	-12.43	33.95	-0.38	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

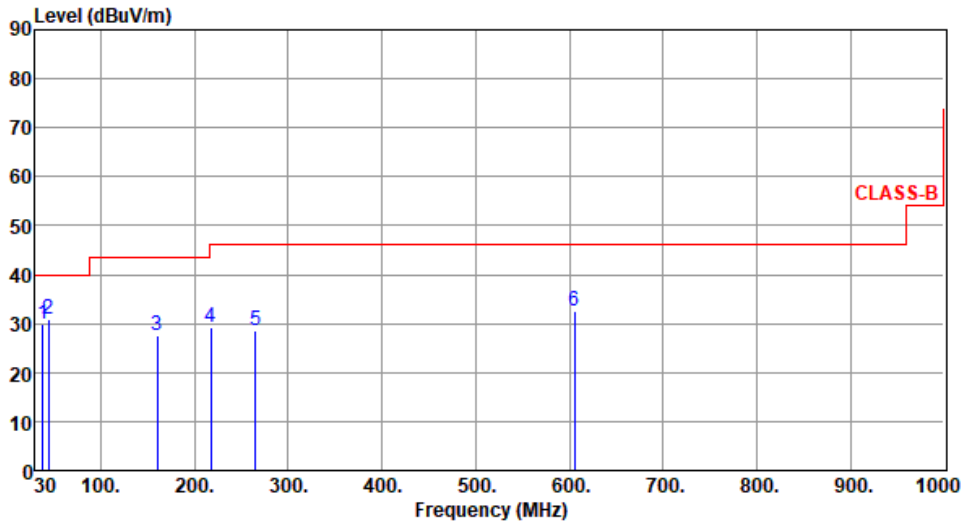


# Unwanted Radiated Emissions into Restricted Frequency Bands

Appendix D.7

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	2437
Polarization	Vertical		

Test By : Sean Yu      Temperature(°C): 26      Humidity(%): 61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	37.76	29.74	40.00	-10.26	38.84	-9.10	Peak	---	---
2	44.55	30.95	40.00	-9.05	39.24	-8.29	Peak	---	---
3	159.98	27.47	43.50	-16.03	36.21	-8.74	Peak	---	---
4	217.21	29.16	46.00	-16.84	41.08	-11.92	Peak	---	---
5	264.74	28.60	46.00	-17.40	37.91	-9.31	Peak	---	---
6	605.21	32.58	46.00	-13.42	33.03	-0.45	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

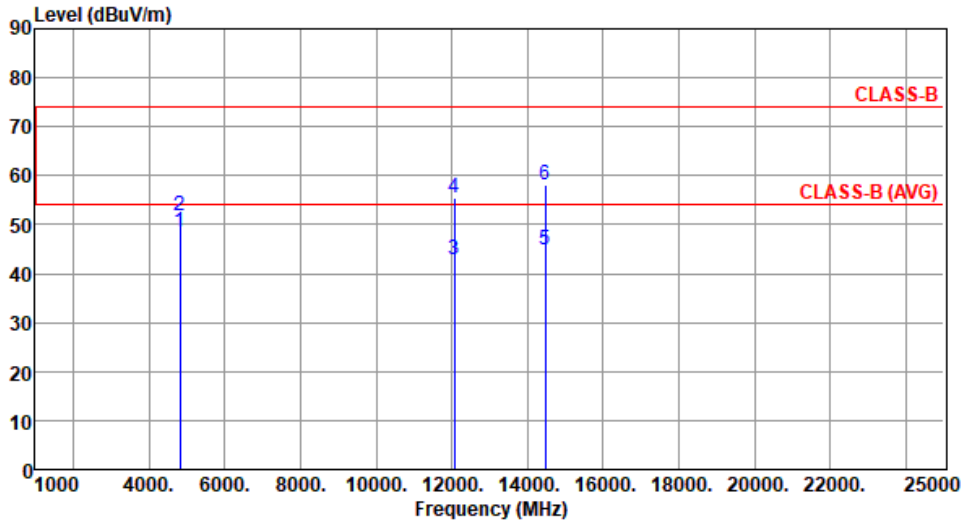
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.



**Unwanted Emission (Above 1GHz) for 11b**

<b>Modulation</b>	11b	<b>Test Freq. (MHz)</b>	2412
<b>Polarization</b>	Horizontal		

Test By :Sean Yu      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4824.00	48.56	54.00	-5.44	48.82	-0.26	Average	224	2
2	4824.00	51.84	74.00	-22.16	52.10	-0.26	Peak	224	2
3	12060.00	42.72	54.00	-11.28	35.98	6.74	Average	100	105
4	12060.00	55.33	74.00	-18.67	48.59	6.74	Peak	100	105
5	14472.00	44.97	54.00	-9.03	37.59	7.38	Average	100	123
6	14472.00	58.01	74.00	-15.99	50.63	7.38	Peak	100	123

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)  
 \*Factor includes antenna factor , cable loss and amplifier gain  
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

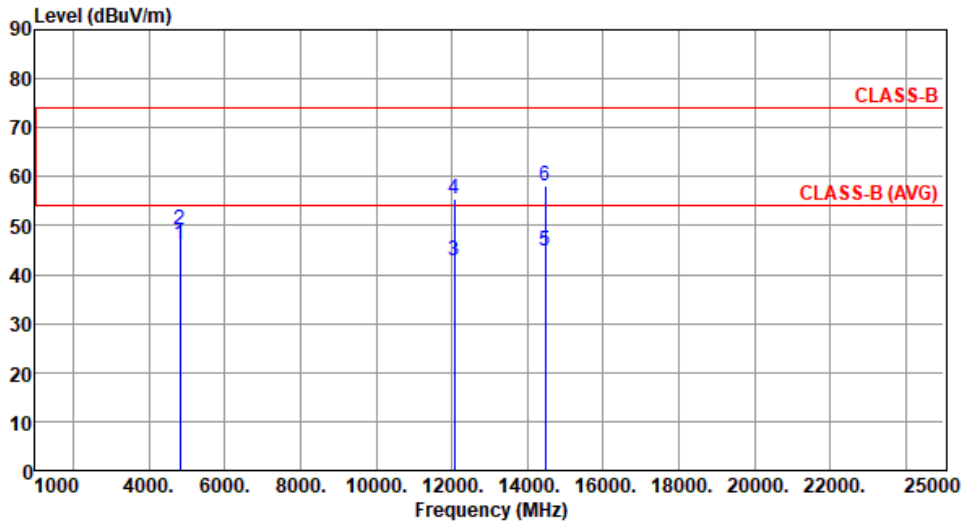


# Unwanted Radiated Emissions into Restricted Frequency Bands

Appendix D.7

Modulation	11b	Test Freq. (MHz)	2412
Polarization	Vertical		

Test By : Sean Yu      Temperature(°C): 26      Humidity(%): 61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4824.00	46.08	54.00	-7.92	46.34	-0.26	Average	100	344
2	4824.00	49.27	74.00	-24.73	49.53	-0.26	Peak	100	344
3	12060.00	42.82	54.00	-11.18	36.08	6.74	Average	100	152
4	12060.00	55.60	74.00	-18.40	48.86	6.74	Peak	100	152
5	14472.00	44.88	54.00	-9.12	37.50	7.38	Average	100	148
6	14472.00	58.05	74.00	-15.95	50.67	7.38	Peak	100	148

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

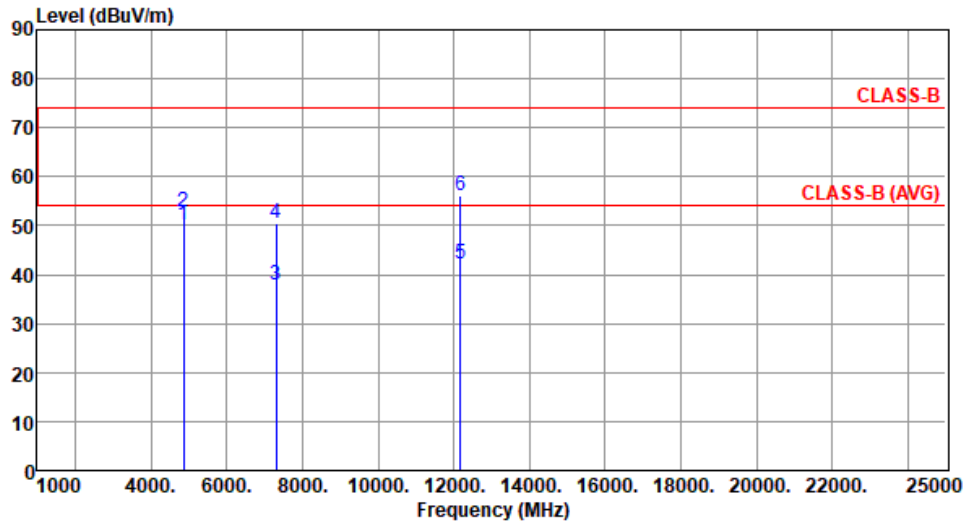


**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	11b	<b>Test Freq. (MHz)</b>	2437
<b>Polarization</b>	Horizontal		

Test By : Sean Yu      Temperature(°C): 26      Humidity(%): 61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	50.16	54.00	-3.84	50.41	-0.25	Average	235	1
2	4874.00	52.79	74.00	-21.21	53.04	-0.25	Peak	235	1
3	7311.00	37.85	54.00	-16.15	32.39	5.46	Average	100	32
4	7311.00	50.42	74.00	-23.58	44.96	5.46	Peak	100	32
5	12185.00	42.26	54.00	-11.74	35.66	6.60	Average	100	177
6	12185.00	56.18	74.00	-17.82	49.58	6.60	Peak	100	177

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).





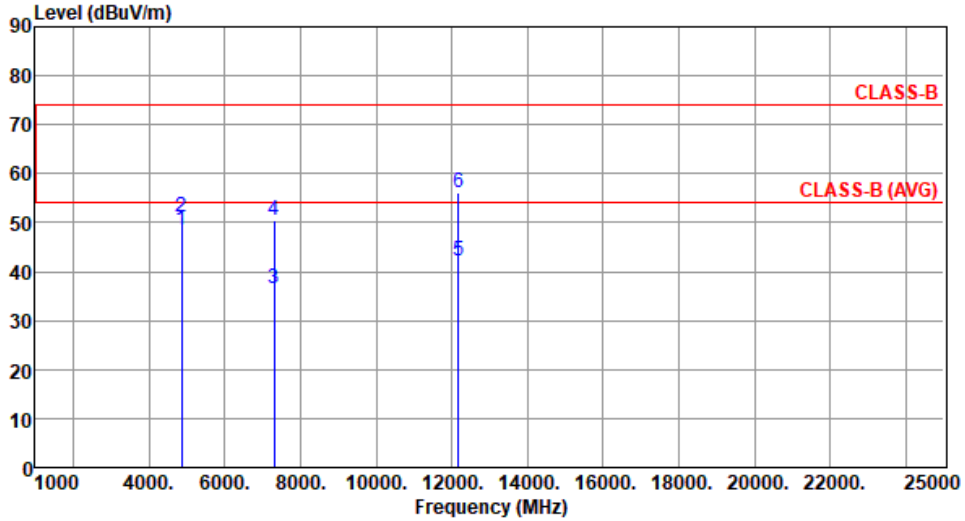
**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	11b	<b>Test Freq. (MHz)</b>	2437
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<b>Polarization</b>	Vertical
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Test By :Sean Yu      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	48.54	54.00	-5.46	48.79	-0.25	Average	100	350
2	4874.00	51.31	74.00	-22.69	51.56	-0.25	Peak	100	350
3	7311.00	36.64	54.00	-17.36	31.18	5.46	Average	100	176
4	7311.00	50.41	74.00	-23.59	44.95	5.46	Peak	100	176
5	12185.00	42.08	54.00	-11.92	35.48	6.60	Average	100	182
6	12185.00	56.25	74.00	-17.75	49.65	6.60	Peak	100	182

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

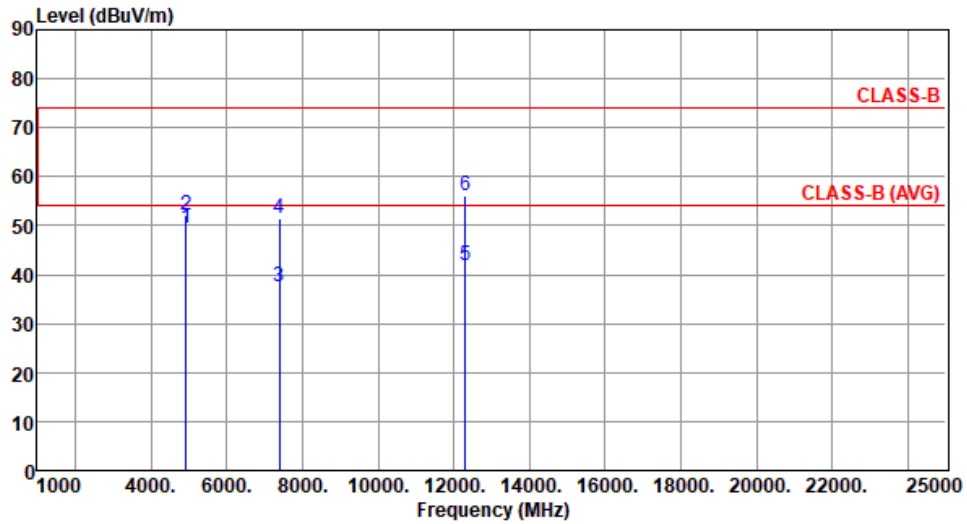


**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	11b	<b>Test Freq. (MHz)</b>	2462
<b>Polarization</b>	Horizontal		

Test By : Sean Yu      Temperature(°C): 26      Humidity(%): 61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4924.00	49.35	54.00	-4.65	49.54	-0.19	Average	226	1
2	4924.00	52.19	74.00	-21.81	52.38	-0.19	Peak	226	1
3	7386.00	37.60	54.00	-16.40	32.27	5.33	Average	100	106
4	7386.00	51.31	74.00	-22.69	45.98	5.33	Peak	100	106
5	12310.00	41.84	54.00	-12.16	35.47	6.37	Average	100	177
6	12310.00	56.00	74.00	-18.00	49.63	6.37	Peak	100	177

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



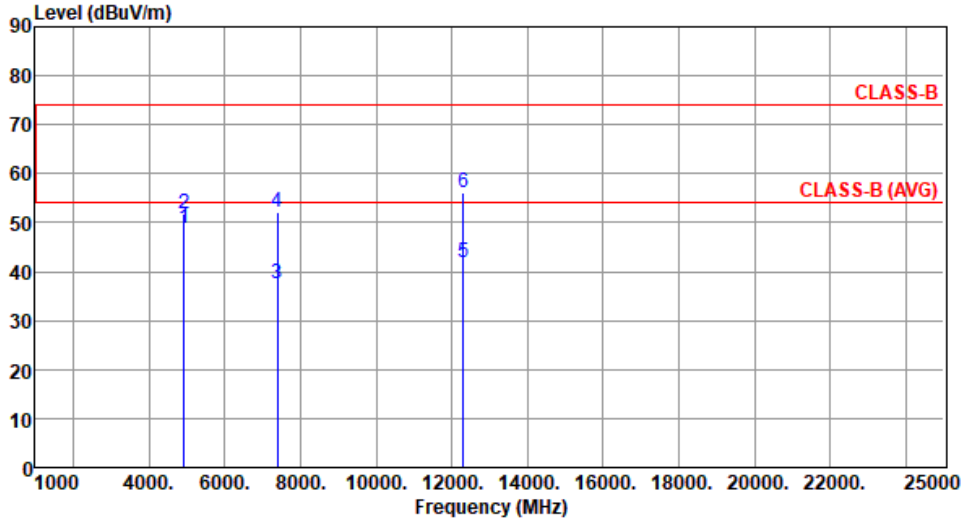
**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	11b	<b>Test Freq. (MHz)</b>	2462
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<b>Polarization</b>	Vertical
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Test By :Sean Yu      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4924.00	48.75	54.00	-5.25	48.94	-0.19	Average	113	358
2	4924.00	51.75	74.00	-22.25	51.94	-0.19	Peak	113	358
3	7386.00	37.66	54.00	-16.34	32.33	5.33	Average	100	71
4	7386.00	52.07	74.00	-21.93	46.74	5.33	Peak	100	71
5	12310.00	41.93	54.00	-12.07	35.56	6.37	Average	100	187
6	12310.00	56.22	74.00	-17.78	49.85	6.37	Peak	100	187

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

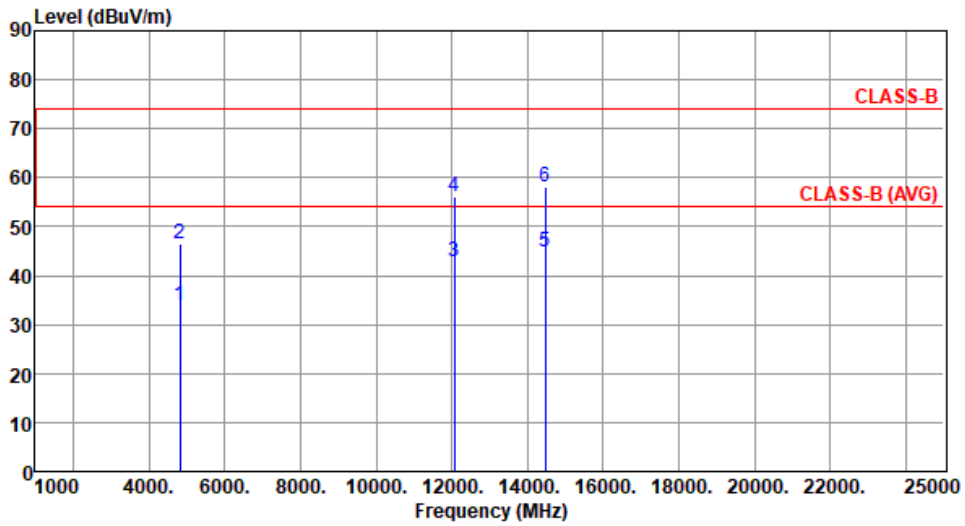
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Unwanted Emissions (Above 1GHz) for 11g

Modulation	11g	Test Freq. (MHz)	2412
Polarization	Horizontal		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4824.00	33.77	54.00	-20.23	34.03	-0.26	Average	188	353
2	4824.00	46.66	74.00	-27.34	46.92	-0.26	Peak	188	353
3	12060.00	42.97	54.00	-11.03	36.23	6.74	Average	100	57
4	12060.00	56.05	74.00	-17.95	49.31	6.74	Peak	100	57
5	14472.00	44.93	54.00	-9.07	37.55	7.38	Average	100	186
6	14472.00	58.01	74.00	-15.99	50.63	7.38	Peak	100	186

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

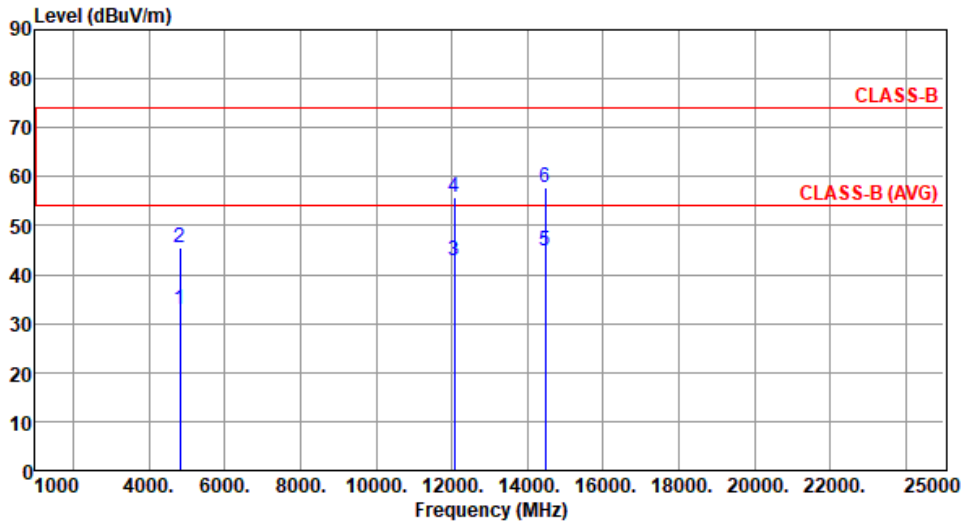


**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	11g	<b>Test Freq. (MHz)</b>	2412
<b>Polarization</b>	Vertical		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4824.00	32.75	54.00	-21.25	33.01	-0.26	Average	100	352
2	4824.00	45.40	74.00	-28.60	45.66	-0.26	Peak	100	352
3	12060.00	42.87	54.00	-11.13	36.13	6.74	Average	100	104
4	12060.00	55.65	74.00	-18.35	48.91	6.74	Peak	100	104
5	14472.00	44.97	54.00	-9.03	37.59	7.38	Average	100	186
6	14472.00	57.83	74.00	-16.17	50.45	7.38	Peak	100	186

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

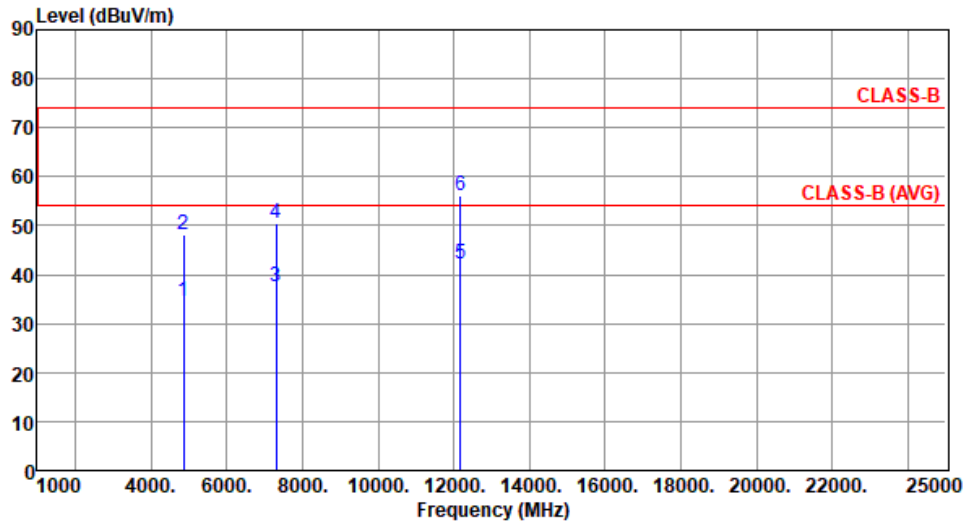


**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	11g	<b>Test Freq. (MHz)</b>	2437
<b>Polarization</b>	Horizontal		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	34.54	54.00	-19.46	34.79	-0.25	Average	209	348
2	4874.00	48.00	74.00	-26.00	48.25	-0.25	Peak	209	348
3	7311.00	37.69	54.00	-16.31	32.23	5.46	Average	100	104
4	7311.00	50.61	74.00	-23.39	45.15	5.46	Peak	100	104
5	12185.00	42.24	54.00	-11.76	35.64	6.60	Average	100	186
6	12185.00	56.22	74.00	-17.78	49.62	6.60	Peak	100	186

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



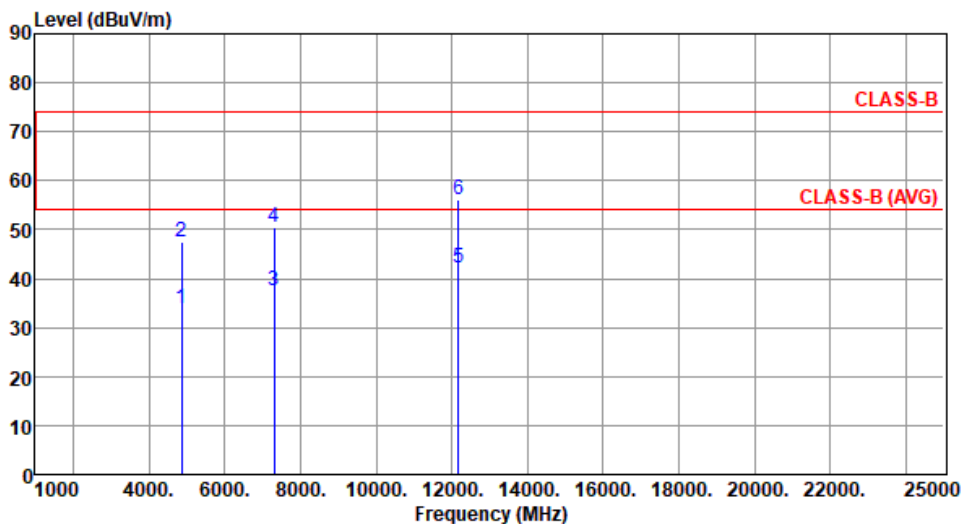
# Unwanted Radiated Emissions into Restricted Frequency Bands

Appendix D.7

Modulation	11g	Test Freq. (MHz)	2437
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Polarization	Vertical
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Test By : Paul Lin      Temperature(°C): 26      Humidity(%): 61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	33.93	54.00	-20.07	34.18	-0.25	Average	100	353
2	4874.00	47.51	74.00	-26.49	47.76	-0.25	Peak	100	353
3	7311.00	37.58	54.00	-16.42	32.12	5.46	Average	100	61
4	7311.00	50.43	74.00	-23.57	44.97	5.46	Peak	100	61
5	12185.00	42.08	54.00	-11.92	35.48	6.60	Average	100	177
6	12185.00	56.22	74.00	-17.78	49.62	6.60	Peak	100	177

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

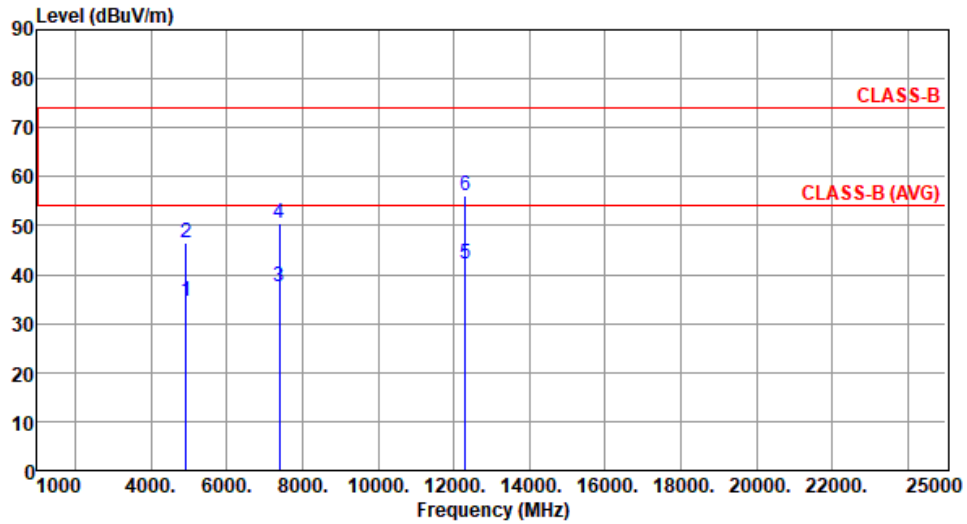


**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	11g	<b>Test Freq. (MHz)</b>	2462
<b>Polarization</b>	Horizontal		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4924.00	34.45	54.00	-19.55	34.64	-0.19	Average	198	348
2	4924.00	46.42	74.00	-27.58	46.61	-0.19	Peak	198	348
3	7386.00	37.61	54.00	-16.39	32.28	5.33	Average	100	63
4	7386.00	50.39	74.00	-23.61	45.06	5.33	Peak	100	63
5	12310.00	42.12	54.00	-11.88	35.75	6.37	Average	100	26
6	12310.00	56.13	74.00	-17.87	49.76	6.37	Peak	100	26

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).





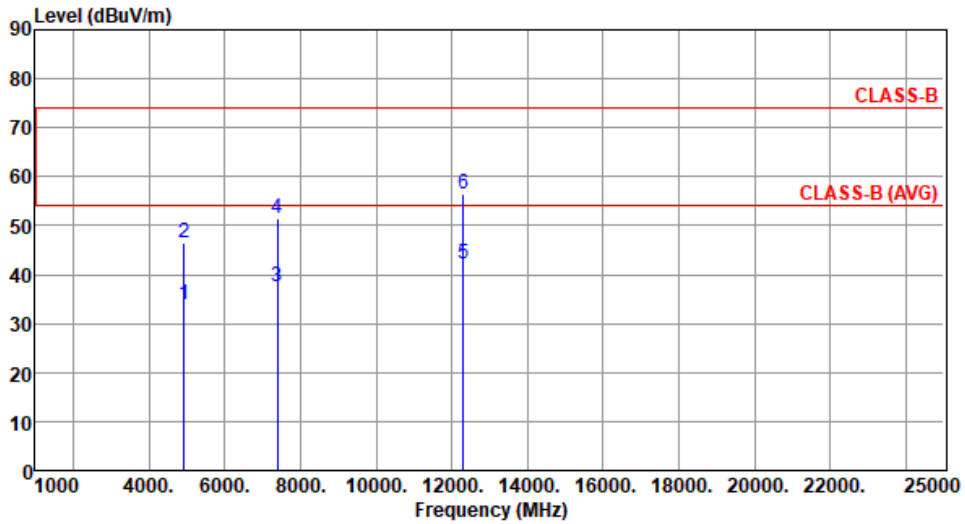
**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	11g	<b>Test Freq. (MHz)</b>	2462
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<b>Polarization</b>	Vertical
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Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4924.00	33.83	54.00	-20.17	34.02	-0.19	Average	100	341
2	4924.00	46.66	74.00	-27.34	46.85	-0.19	Peak	100	341
3	7386.00	37.57	54.00	-16.43	32.24	5.33	Average	100	46
4	7386.00	51.52	74.00	-22.48	46.19	5.33	Peak	100	46
5	12310.00	42.20	54.00	-11.80	35.83	6.37	Average	100	203
6	12310.00	56.30	74.00	-17.70	49.93	6.37	Peak	100	203

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

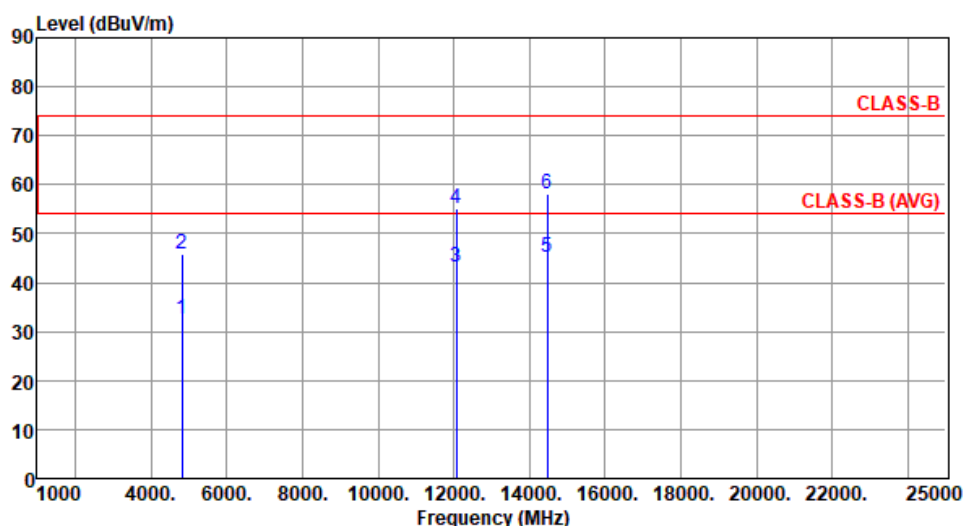
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



**Unwanted Emissions (Above 1GHz) for ax HE20-OFDMA**

<b>Modulation</b>	ax HE20-OFDMA	<b>Test Freq. (MHz)</b>	2412
<b>Polarization</b>	Horizontal		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4824.00	32.40	54.00	-21.60	32.66	-0.26	Average	205	8
2	4824.00	45.78	74.00	-28.22	46.04	-0.26	Peak	205	8
3	12060.00	43.01	54.00	-10.99	36.27	6.74	Average	100	52
4	12060.00	55.20	74.00	-18.80	48.46	6.74	Peak	100	52
5	14472.00	45.07	54.00	-8.93	37.69	7.38	Average	100	203
6	14472.00	58.16	74.00	-15.84	50.78	7.38	Peak	100	203

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

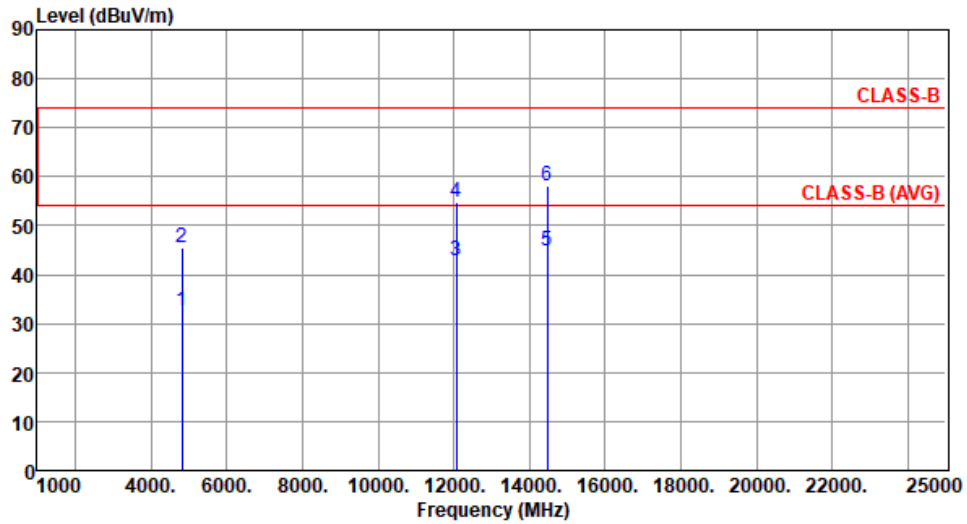


**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	ax HE20-OFDMA	<b>Test Freq. (MHz)</b>	2412
<b>Polarization</b>	Vertical		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4824.00	32.54	54.00	-21.46	32.80	-0.26	Average	100	14
2	4824.00	45.55	74.00	-28.45	45.81	-0.26	Peak	100	14
3	12060.00	42.89	54.00	-11.11	36.15	6.74	Average	100	49
4	12060.00	54.90	74.00	-19.10	48.16	6.74	Peak	100	49
5	14472.00	44.89	54.00	-9.11	37.51	7.38	Average	100	108
6	14472.00	58.23	74.00	-15.77	50.85	7.38	Peak	100	108

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

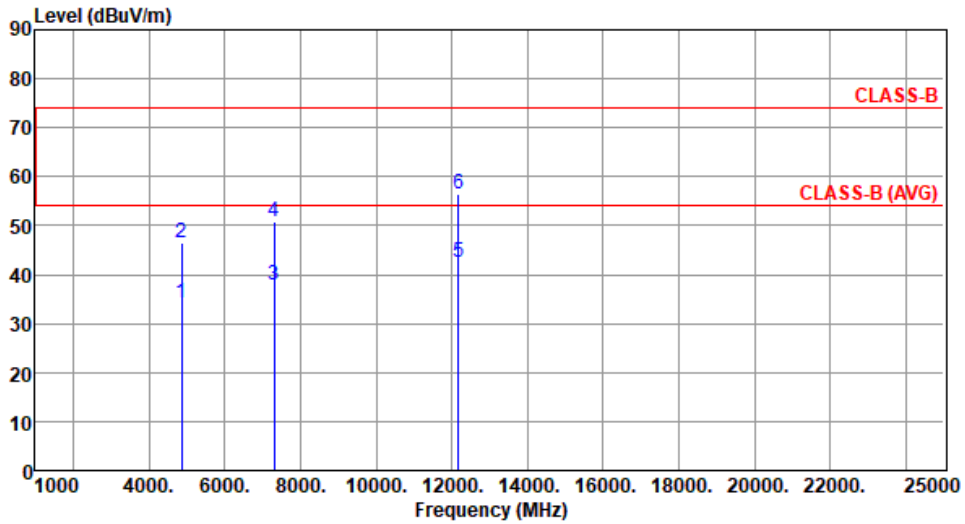


**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	ax HE20-OFDMA	<b>Test Freq. (MHz)</b>	2437
<b>Polarization</b>	Horizontal		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	34.24	54.00	-19.76	34.49	-0.25	Average	197	1
2	4874.00	46.66	74.00	-27.34	46.91	-0.25	Peak	197	1
3	7311.00	37.83	54.00	-16.17	32.37	5.46	Average	100	36
4	7311.00	50.92	74.00	-23.08	45.46	5.46	Peak	100	36
5	12185.00	42.36	54.00	-11.64	35.76	6.60	Average	100	178
6	12185.00	56.46	74.00	-17.54	49.86	6.60	Peak	100	178

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

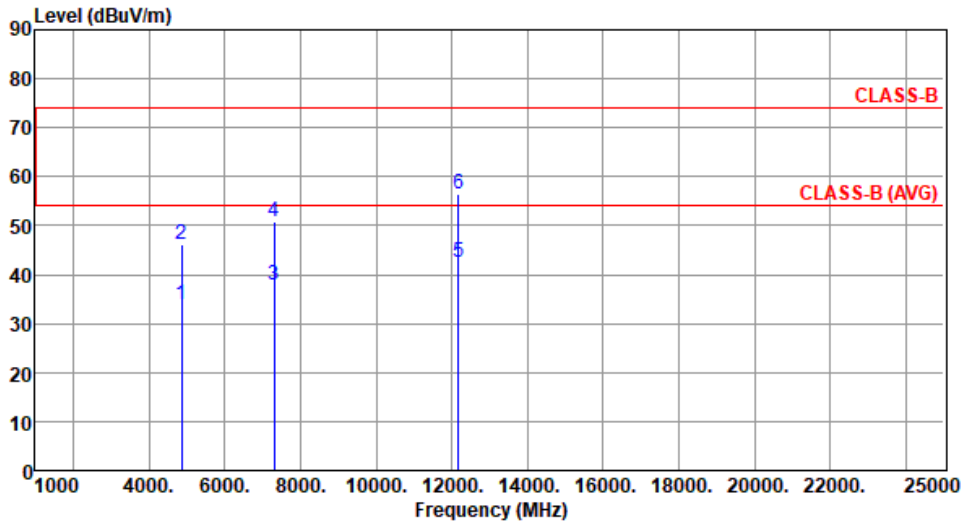


**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	ax HE20-OFDMA	<b>Test Freq. (MHz)</b>	2437
<b>Polarization</b>	Vertical		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	33.87	54.00	-20.13	34.12	-0.25	Average	100	359
2	4874.00	46.13	74.00	-27.87	46.38	-0.25	Peak	100	359
3	7311.00	37.90	54.00	-16.10	32.44	5.46	Average	100	107
4	7311.00	50.91	74.00	-23.09	45.45	5.46	Peak	100	107
5	12185.00	42.46	54.00	-11.54	35.86	6.60	Average	100	177
6	12185.00	56.54	74.00	-17.46	49.94	6.60	Peak	100	177

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

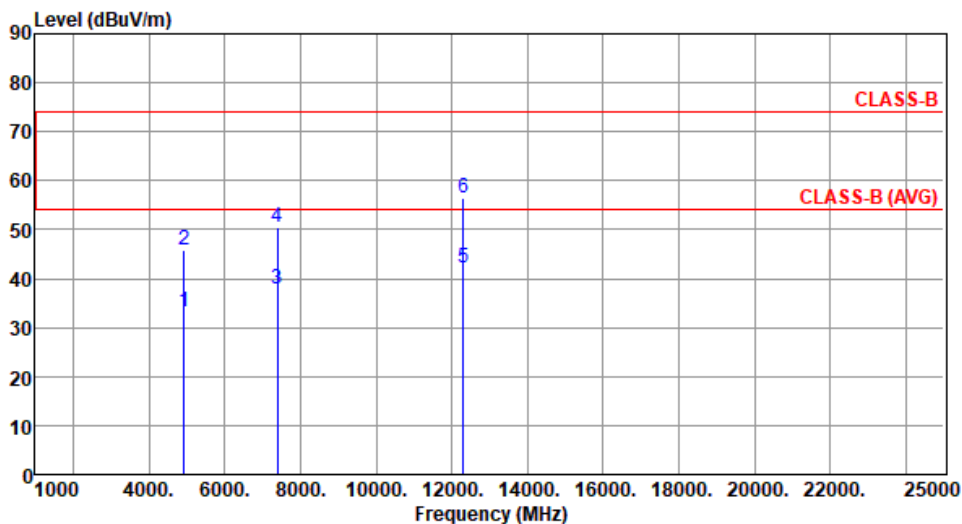
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



# Unwanted Radiated Emissions into Restricted Frequency Bands

<b>Modulation</b>	ax HE20-OFDMA	<b>Test Freq. (MHz)</b>	2462
<b>Polarization</b>	Horizontal		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4924.00	33.20	54.00	-20.80	33.39	-0.19	Average	230	5
2	4924.00	45.98	74.00	-28.02	46.17	-0.19	Peak	230	5
3	7386.00	37.70	54.00	-16.30	32.37	5.33	Average	100	57
4	7386.00	50.48	74.00	-23.52	45.15	5.33	Peak	100	57
5	12310.00	42.22	54.00	-11.78	35.85	6.37	Average	100	147
6	12310.00	56.49	74.00	-17.51	50.12	6.37	Peak	100	147

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

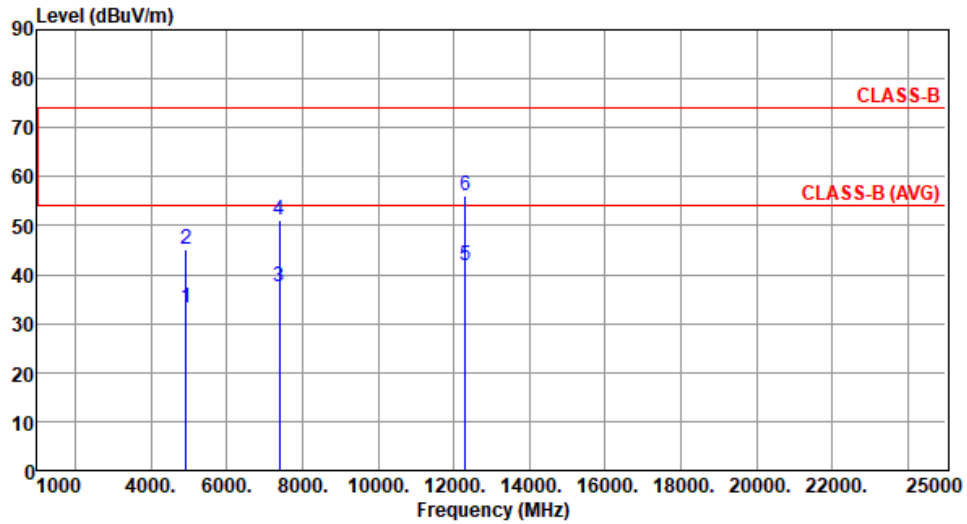


**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	ax HE20-OFDMA	<b>Test Freq. (MHz)</b>	2462
<b>Polarization</b>	Vertical		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4924.00	33.10	54.00	-20.90	33.29	-0.19	Average	100	345
2	4924.00	45.24	74.00	-28.76	45.43	-0.19	Peak	100	345
3	7386.00	37.67	54.00	-16.33	32.34	5.33	Average	100	75
4	7386.00	51.08	74.00	-22.92	45.75	5.33	Peak	100	75
5	12310.00	42.00	54.00	-12.00	35.63	6.37	Average	100	207
6	12310.00	56.14	74.00	-17.86	49.77	6.37	Peak	100	207

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

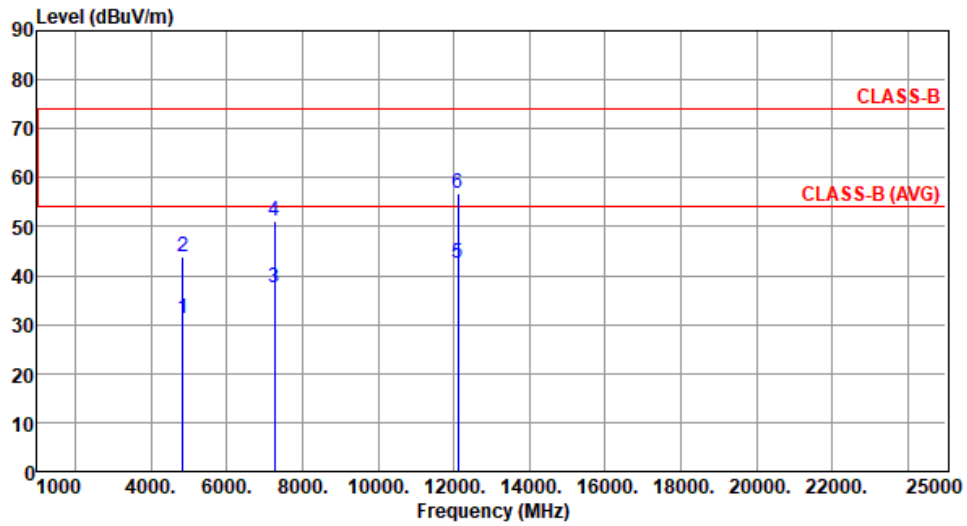
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



**Unwanted Emissions (Above 1GHz) for ax HE40-OFDMA**

<b>Modulation</b>	ax HE40-OFDMA	<b>Test Freq. (MHz)</b>	2422
<b>Polarization</b>	Horizontal		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4844.00	31.22	54.00	-22.78	31.48	-0.26	Average	100	59
2	4844.00	44.00	74.00	-30.00	44.26	-0.26	Peak	100	59
3	7266.00	37.60	54.00	-16.40	32.23	5.37	Average	100	34
4	7266.00	51.18	74.00	-22.82	45.81	5.37	Peak	100	34
5	12110.00	42.53	54.00	-11.47	35.66	6.87	Average	100	178
6	12110.00	56.73	74.00	-17.27	49.86	6.87	Peak	100	178

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



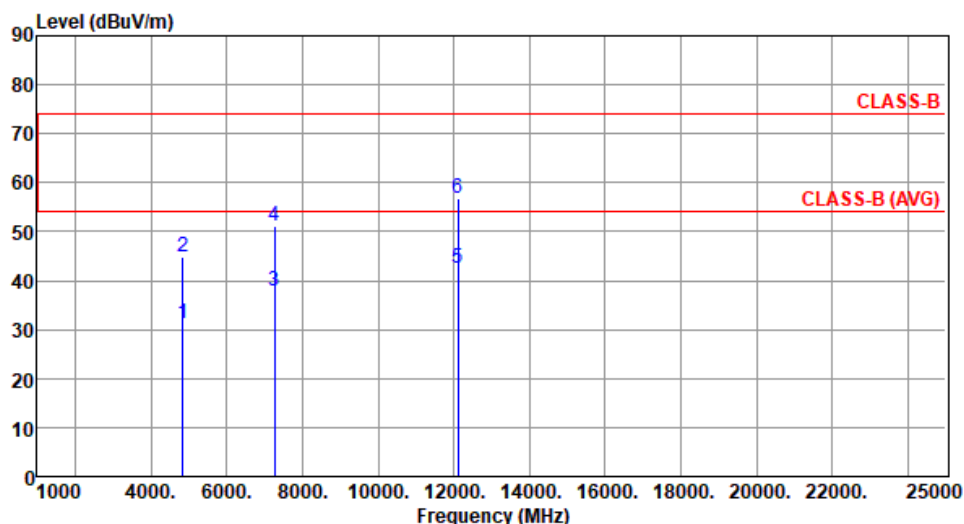


# Unwanted Radiated Emissions into Restricted Frequency Bands

Appendix D.7

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	2422
Polarization	Vertical		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4844.00	31.22	54.00	-22.78	31.48	-0.26	Average	100	72
2	4844.00	44.96	74.00	-29.04	45.22	-0.26	Peak	100	72
3	7266.00	37.81	54.00	-16.19	32.44	5.37	Average	100	45
4	7266.00	51.00	74.00	-23.00	45.63	5.37	Peak	100	45
5	12110.00	42.61	54.00	-11.39	35.74	6.87	Average	100	165
6	12110.00	56.73	74.00	-17.27	49.86	6.87	Peak	100	165

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

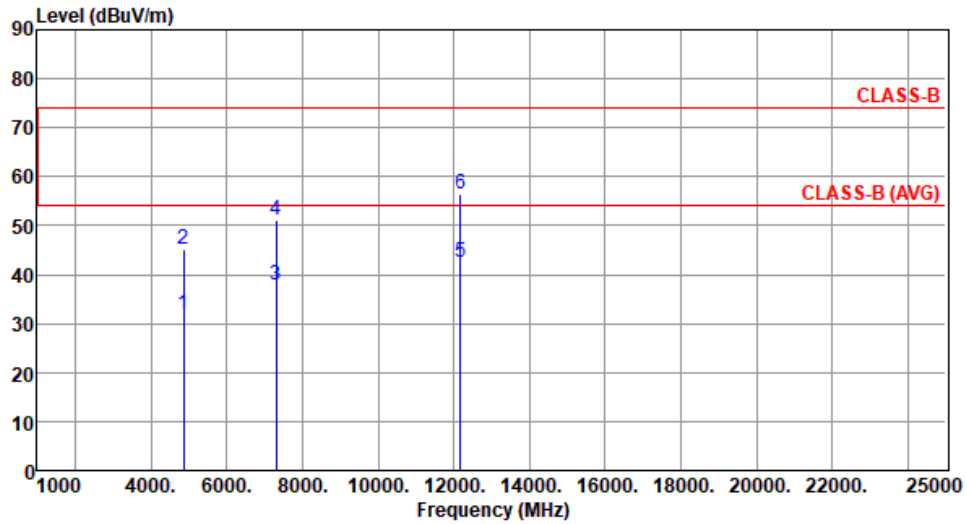


# Unwanted Radiated Emissions into Restricted Frequency Bands

Appendix D.7

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	2437
Polarization	Horizontal		

Test By : Paul Lin      Temperature(°C): 26      Humidity(%): 61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	31.84	54.00	-22.16	32.09	-0.25	Average	100	63
2	4874.00	45.03	74.00	-28.97	45.28	-0.25	Peak	100	63
3	7311.00	37.89	54.00	-16.11	32.43	5.46	Average	100	38
4	7311.00	51.15	74.00	-22.85	45.69	5.46	Peak	100	38
5	12185.00	42.44	54.00	-11.56	35.84	6.60	Average	100	177
6	12185.00	56.36	74.00	-17.64	49.76	6.60	Peak	100	177

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



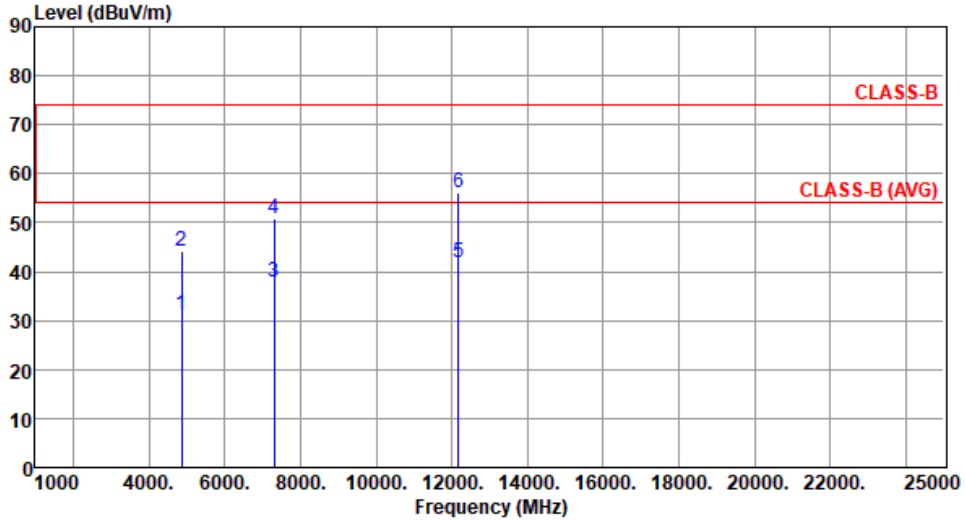
**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	ax HE40-OFDMA	<b>Test Freq. (MHz)</b>	2437
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<b>Polarization</b>	Vertical
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Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	31.37	54.00	-22.63	31.62	-0.25	Average	100	114
2	4874.00	44.21	74.00	-29.79	44.46	-0.25	Peak	100	114
3	7311.00	37.80	54.00	-16.20	32.34	5.46	Average	100	57
4	7311.00	50.70	74.00	-23.30	45.24	5.46	Peak	100	57
5	12185.00	42.01	54.00	-11.99	35.41	6.60	Average	100	264
6	12185.00	56.19	74.00	-17.81	49.59	6.60	Peak	100	264

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

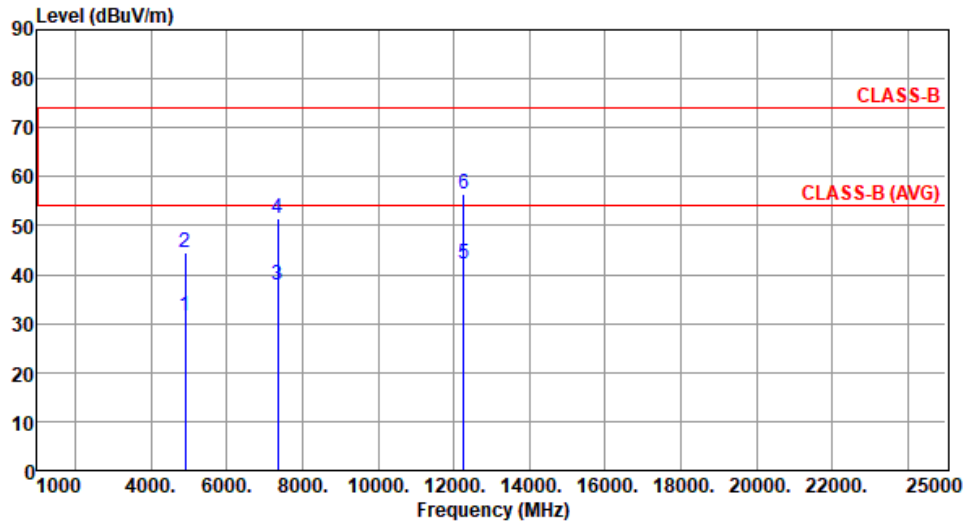


# Unwanted Radiated Emissions into Restricted Frequency Bands

Appendix D.7

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	2452
Polarization	Horizontal		

Test By : Paul Lin      Temperature(°C): 26      Humidity(%): 61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4904.00	31.43	54.00	-22.57	31.67	-0.24	Average	100	86
2	4904.00	44.64	74.00	-29.36	44.88	-0.24	Peak	100	86
3	7356.00	37.70	54.00	-16.30	32.35	5.35	Average	100	137
4	7356.00	51.39	74.00	-22.61	46.04	5.35	Peak	100	137
5	12260.00	42.28	54.00	-11.72	35.84	6.44	Average	100	227
6	12260.00	56.36	74.00	-17.64	49.92	6.44	Peak	100	227

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

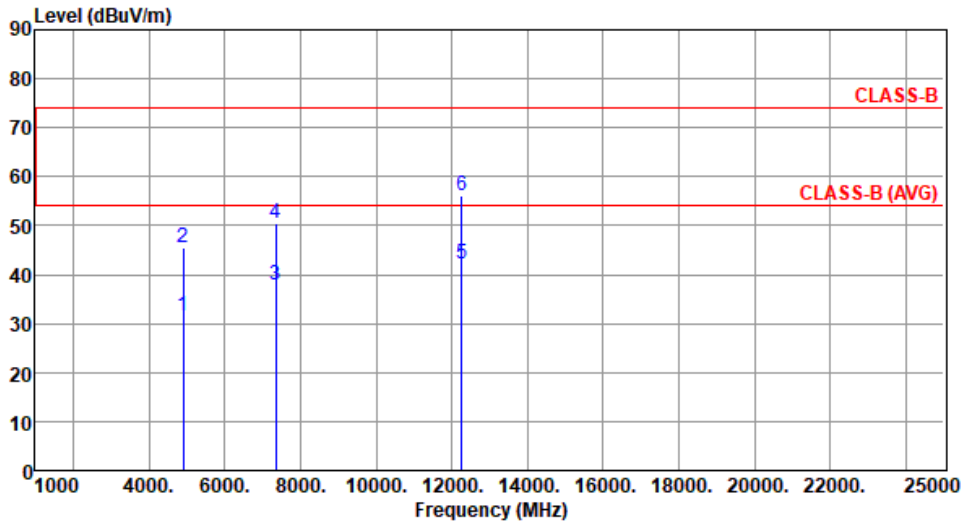


**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	ax HE40-OFDMA	<b>Test Freq. (MHz)</b>	2452
<b>Polarization</b>	Vertical		

Test By :Paul Lin      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4904.00	31.47	54.00	-22.53	31.71	-0.24	Average	100	83
2	4904.00	45.40	74.00	-28.60	45.64	-0.24	Peak	100	83
3	7356.00	37.82	54.00	-16.18	32.47	5.35	Average	100	91
4	7356.00	50.64	74.00	-23.36	45.29	5.35	Peak	100	91
5	12260.00	42.21	54.00	-11.79	35.77	6.44	Average	100	215
6	12260.00	56.29	74.00	-17.71	49.85	6.44	Peak	100	215

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

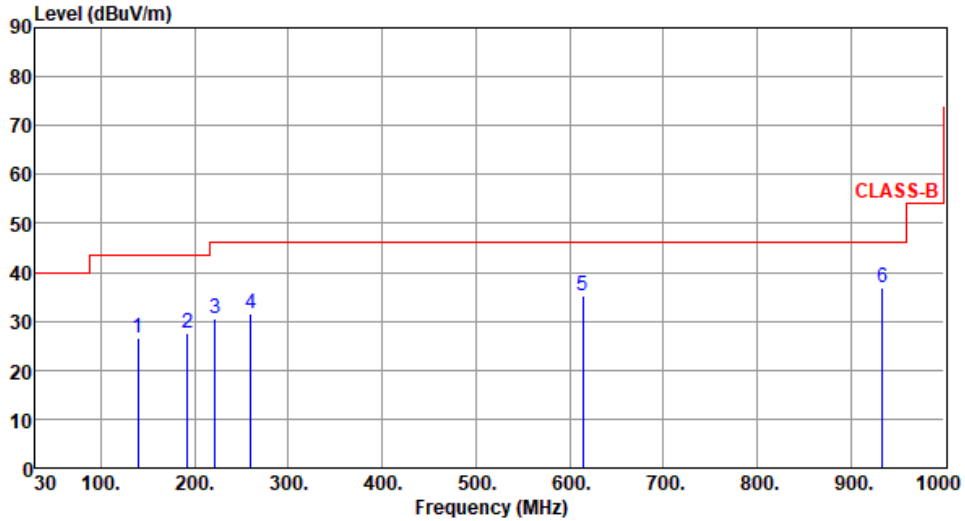


ST Module

Unwanted Emissions (Below 1GHz)

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	2437
Polarization	Horizontal		

Test By :Sean Yu      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	139.61	26.46	43.50	-17.04	35.75	-9.29	Peak	---	---
2	191.99	27.59	43.50	-15.91	39.02	-11.43	Peak	---	---
3	222.06	30.66	46.00	-15.34	42.58	-11.92	Peak	---	---
4	259.89	31.71	46.00	-14.29	41.23	-9.52	Peak	---	---
5	613.94	35.22	46.00	-10.78	35.46	-0.24	Peak	---	---
6	934.04	36.82	46.00	-9.18	31.77	5.05	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

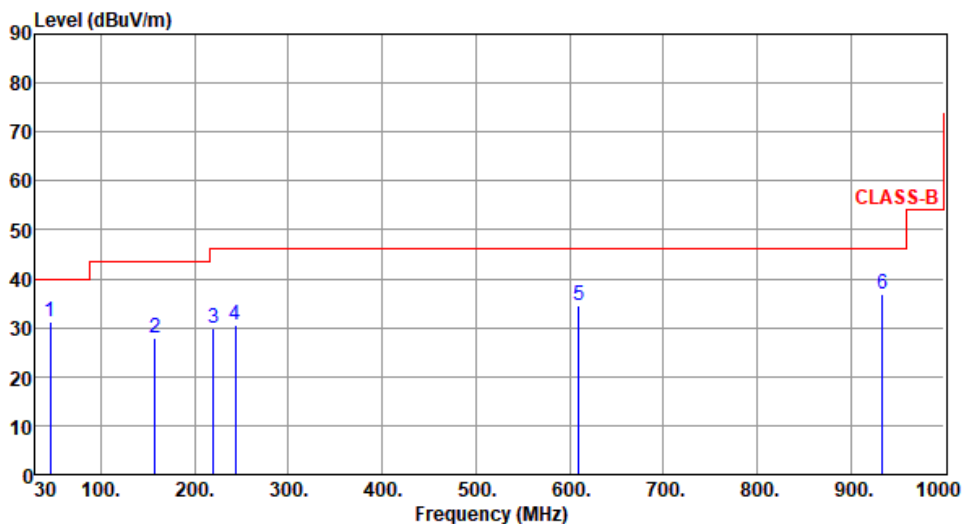
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.



# Unwanted Radiated Emissions into Restricted Frequency Bands

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	2437
Polarization	Vertical		

Test By : Sean Yu      Temperature(°C): 26      Humidity(%): 61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	45.52	31.21	40.00	-8.79	39.27	-8.06	Peak	---	---
2	158.04	27.95	43.50	-15.55	36.59	-8.64	Peak	---	---
3	220.12	30.03	46.00	-15.97	41.88	-11.85	Peak	---	---
4	243.40	30.55	46.00	-15.45	40.68	-10.13	Peak	---	---
5	610.06	34.49	46.00	-11.51	34.82	-0.33	Peak	---	---
6	934.04	36.97	46.00	-9.03	31.92	5.05	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

\*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

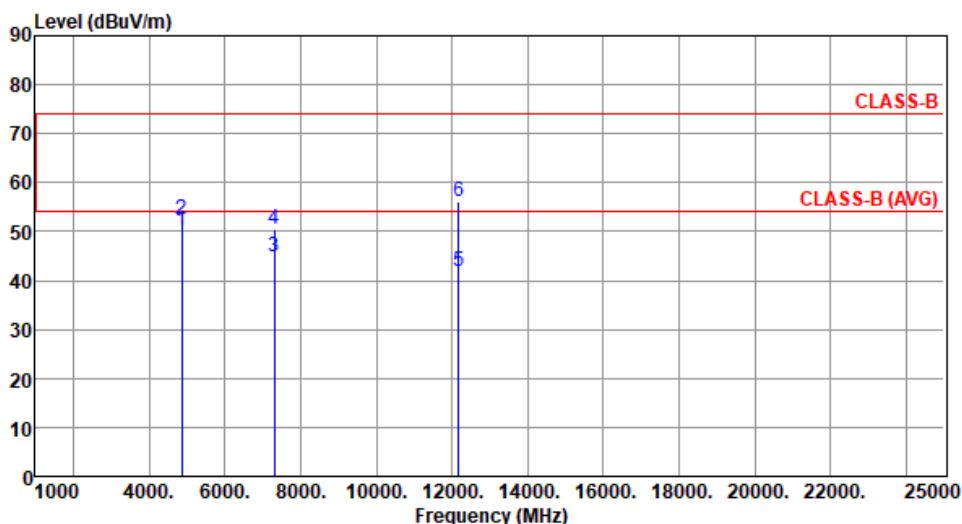
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.



**Unwanted Emission (Above 1GHz)**

<b>Modulation</b>	11b	<b>Test Freq. (MHz)</b>	2437
<b>Polarization</b>	Horizontal		

Test By :Sean Yu      Temperature(°C):26      Humidity(%):61



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	50.08	54.00	-3.92	50.33	-0.25	Average	235	11
2	4874.00	52.51	74.00	-21.49	52.76	-0.25	Peak	235	11
3	7311.00	44.74	54.00	-9.26	39.28	5.46	Average	100	45
4	7311.00	50.32	74.00	-23.68	44.86	5.46	Peak	100	45
5	12185.00	42.01	54.00	-11.99	35.41	6.60	Average	100	189
6	12185.00	56.00	74.00	-18.00	49.40	6.60	Peak	100	189

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)  
 \*Factor includes antenna factor , cable loss and amplifier gain  
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).





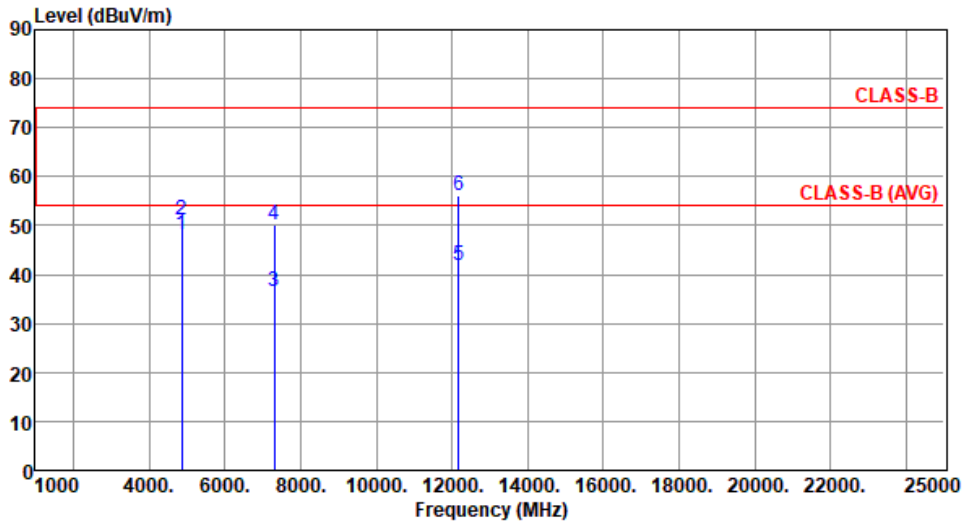
**Unwanted Radiated Emissions into Restricted Frequency Bands**

**Appendix D.7**

<b>Modulation</b>	11b	<b>Test Freq. (MHz)</b>	2437
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<b>Polarization</b>	Vertical
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Test By :Sean Yu      Temperature(°C):26      Humidity(%):61

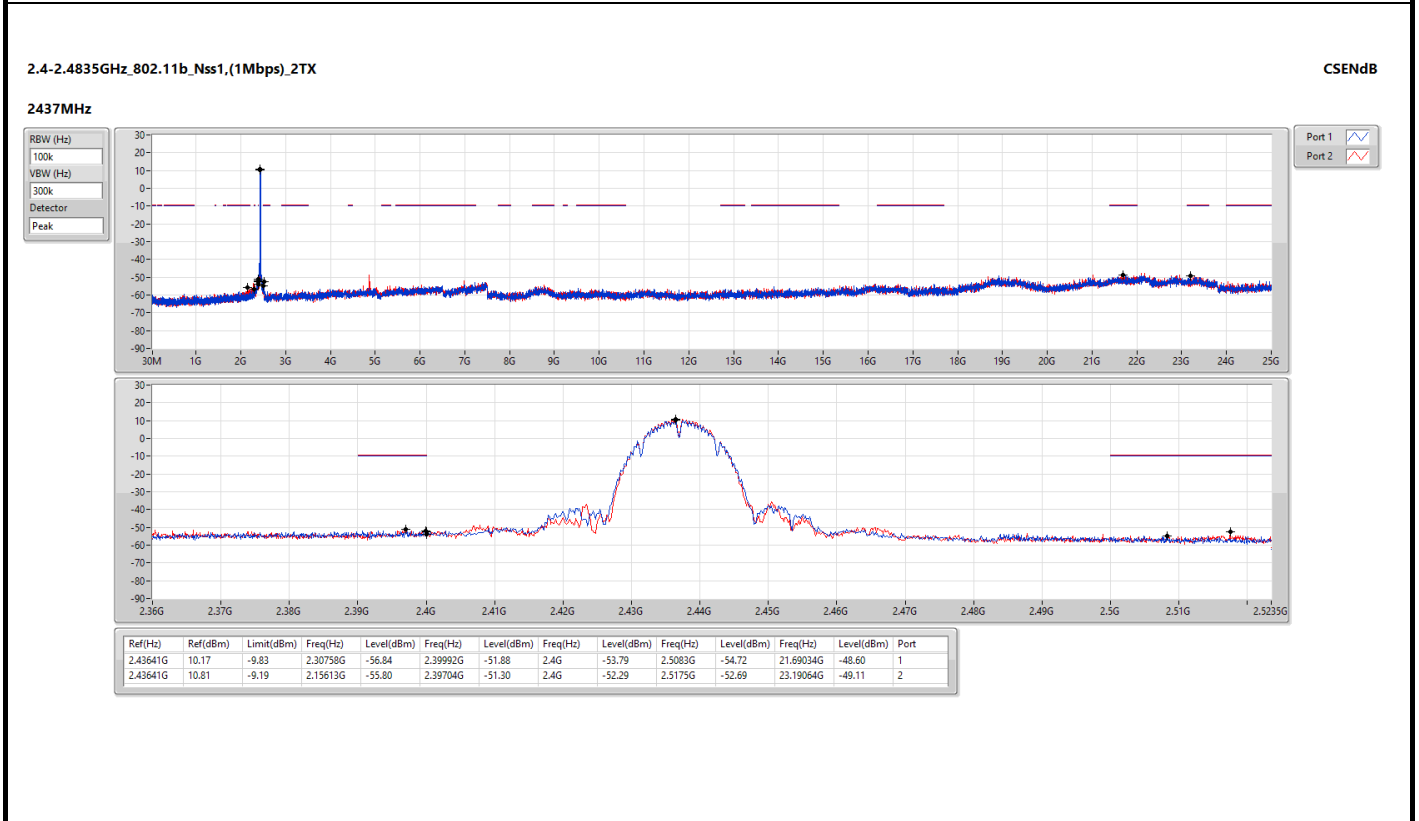
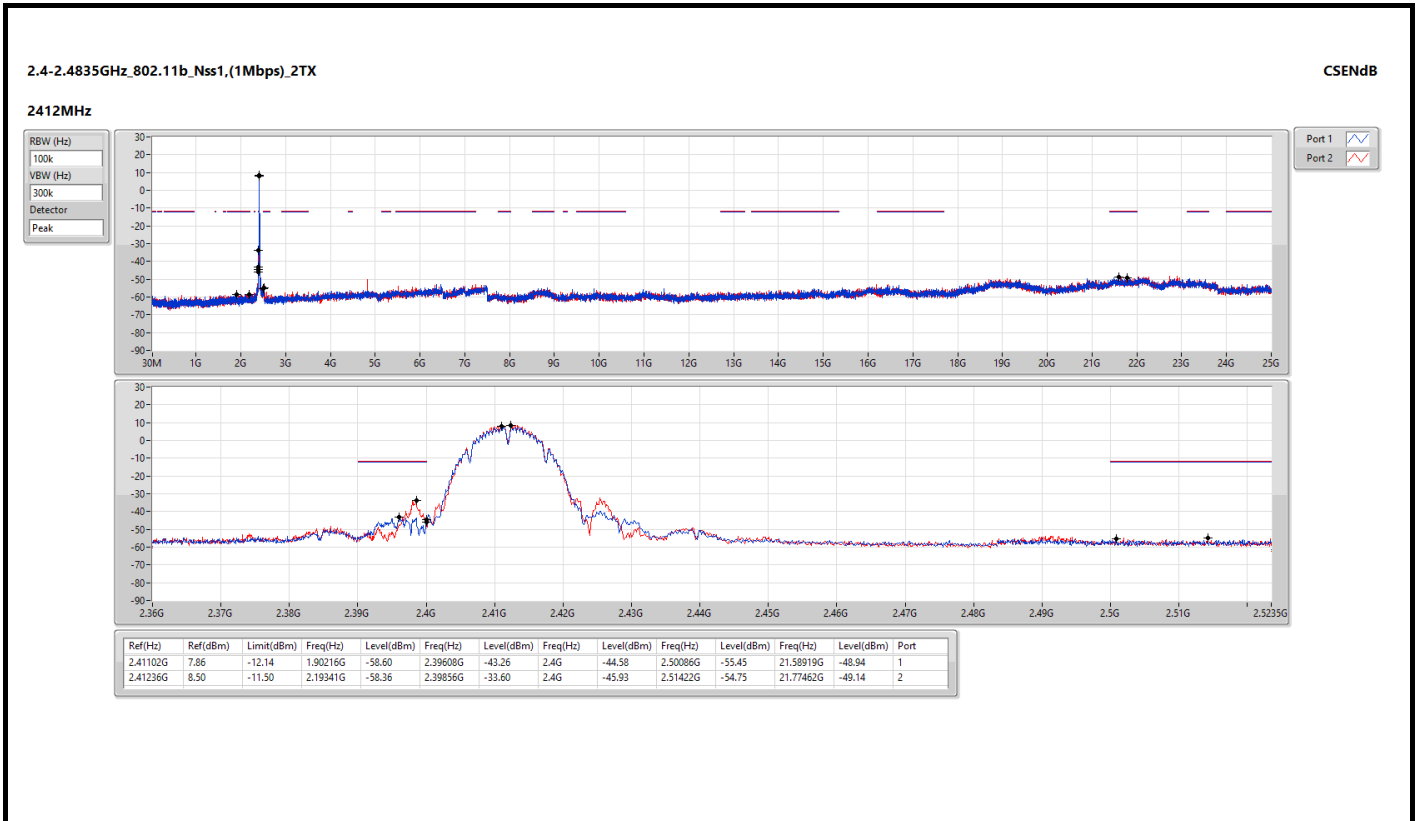


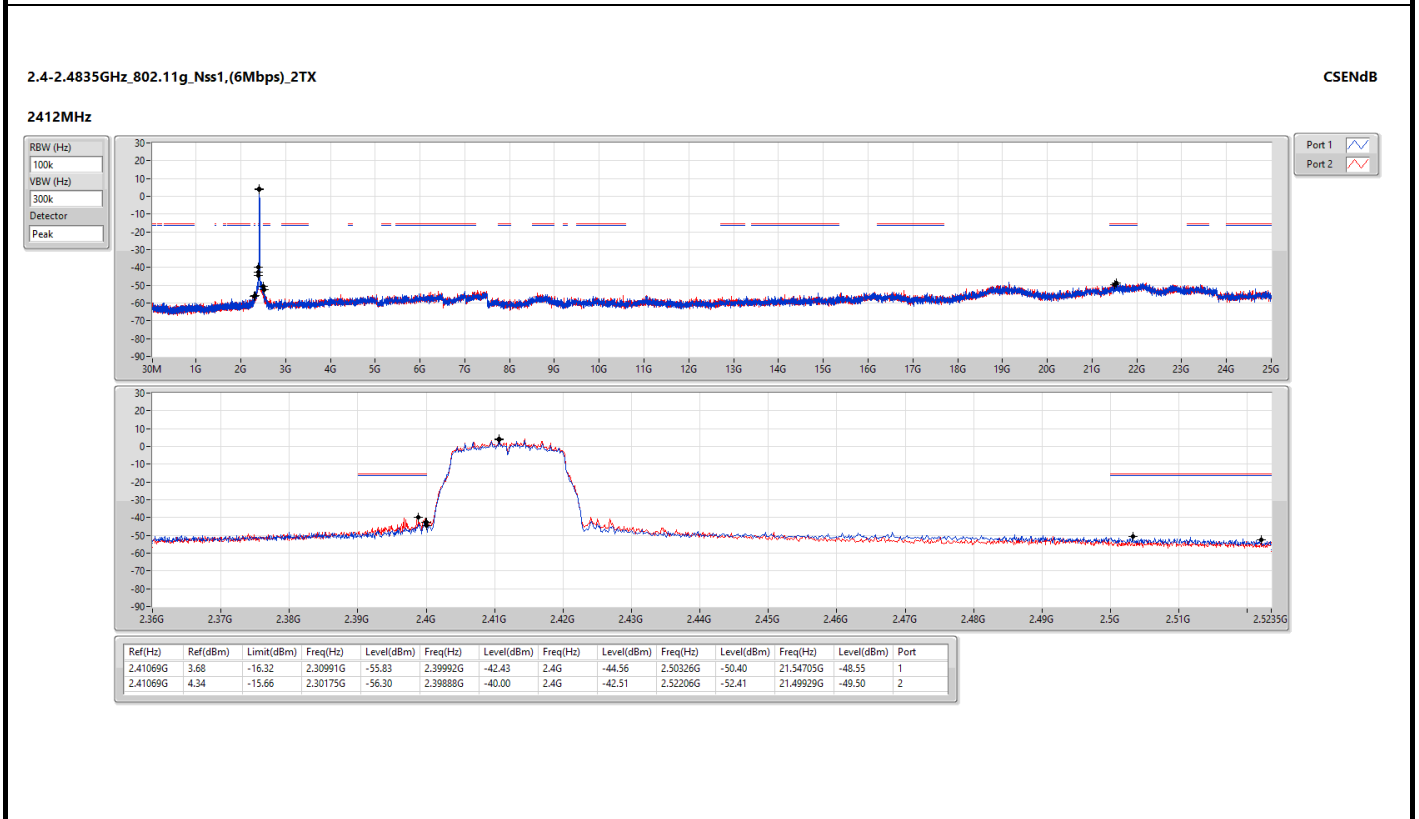
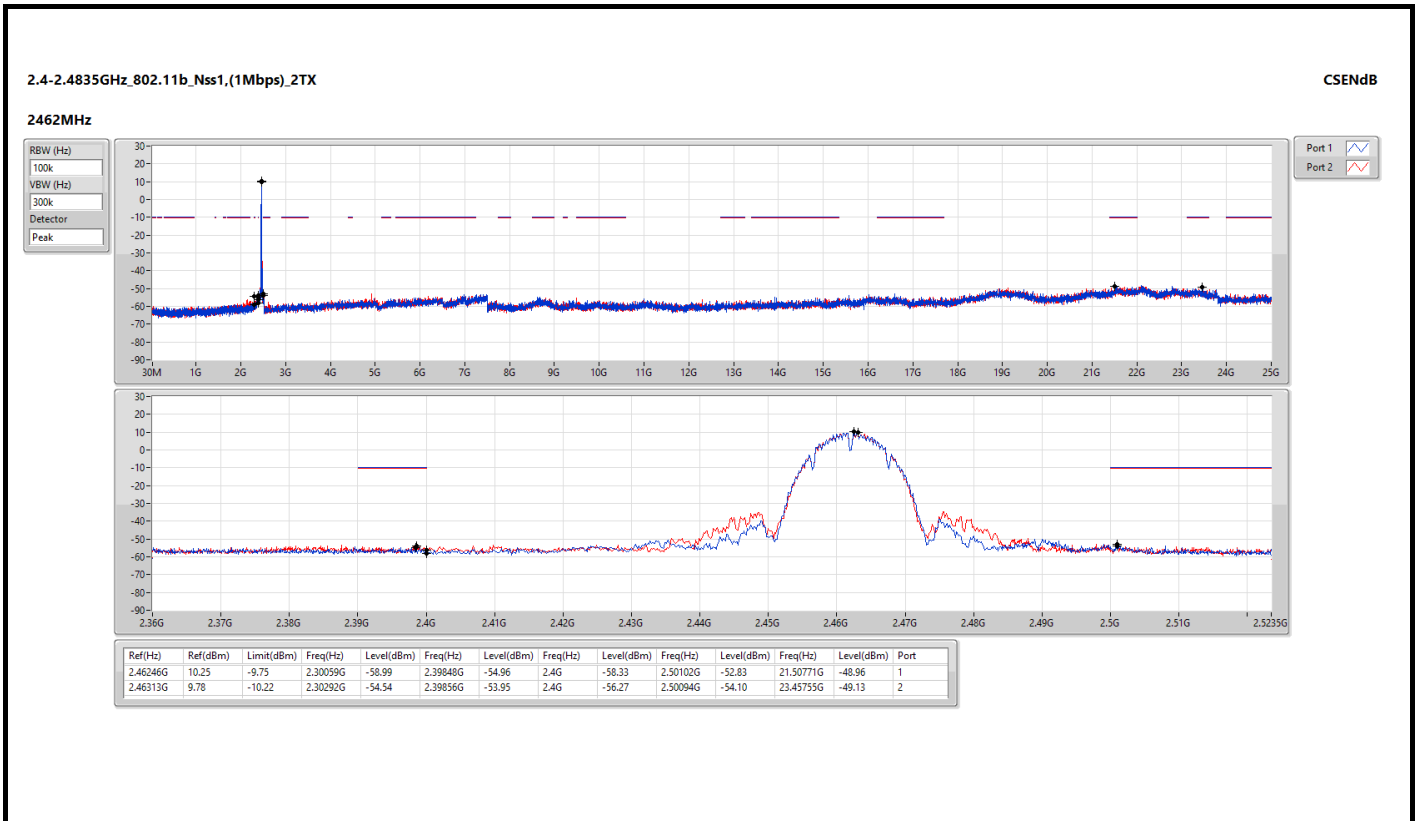
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	4874.00	48.12	54.00	-5.88	48.37	-0.25	Average	100	354
2	4874.00	51.01	74.00	-22.99	51.26	-0.25	Peak	100	354
3	7311.00	36.54	54.00	-17.46	31.08	5.46	Average	100	111
4	7311.00	50.18	74.00	-23.82	44.72	5.46	Peak	100	111
5	12185.00	41.89	54.00	-12.11	35.29	6.60	Average	100	180
6	12185.00	56.02	74.00	-17.98	49.42	6.60	Peak	100	180

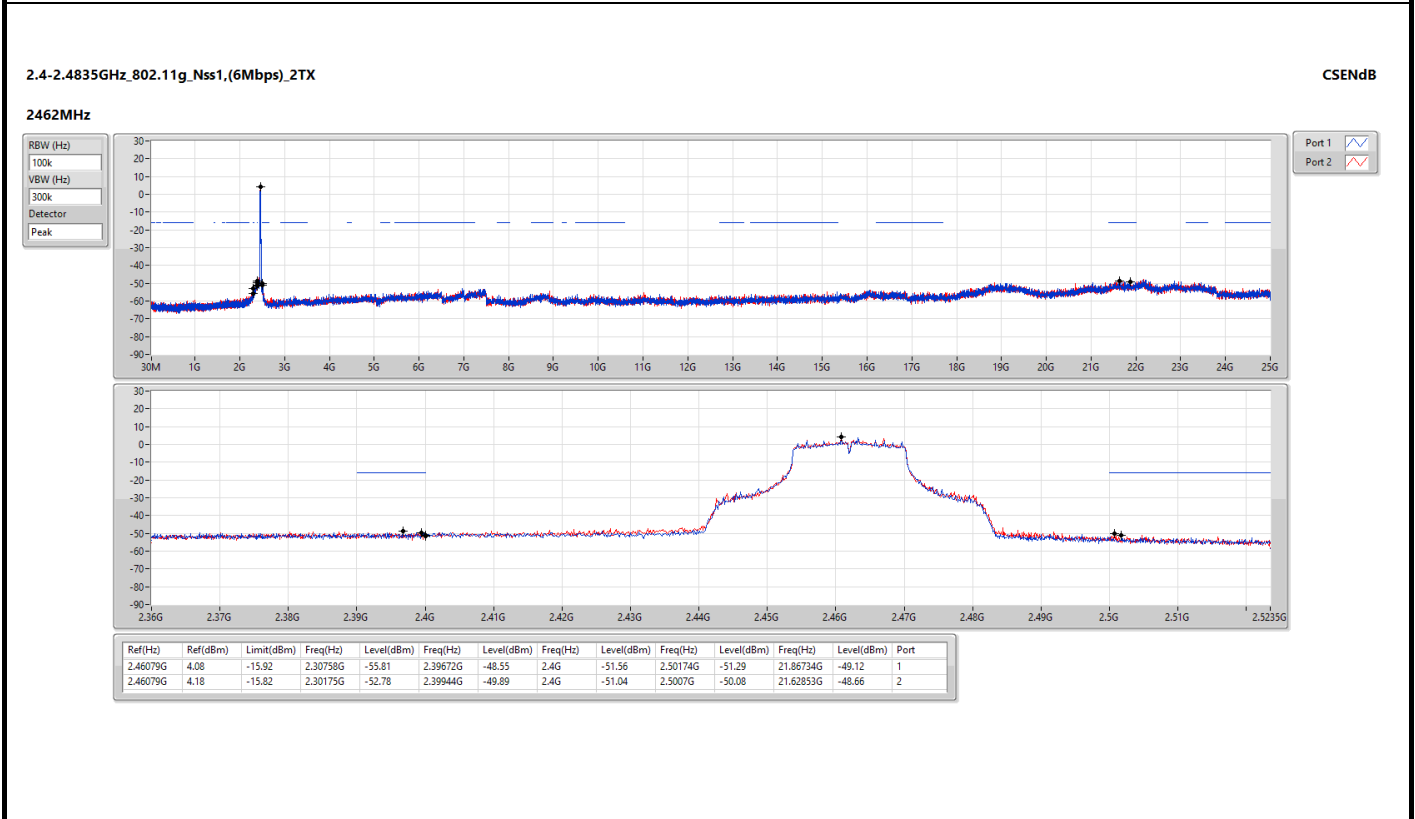
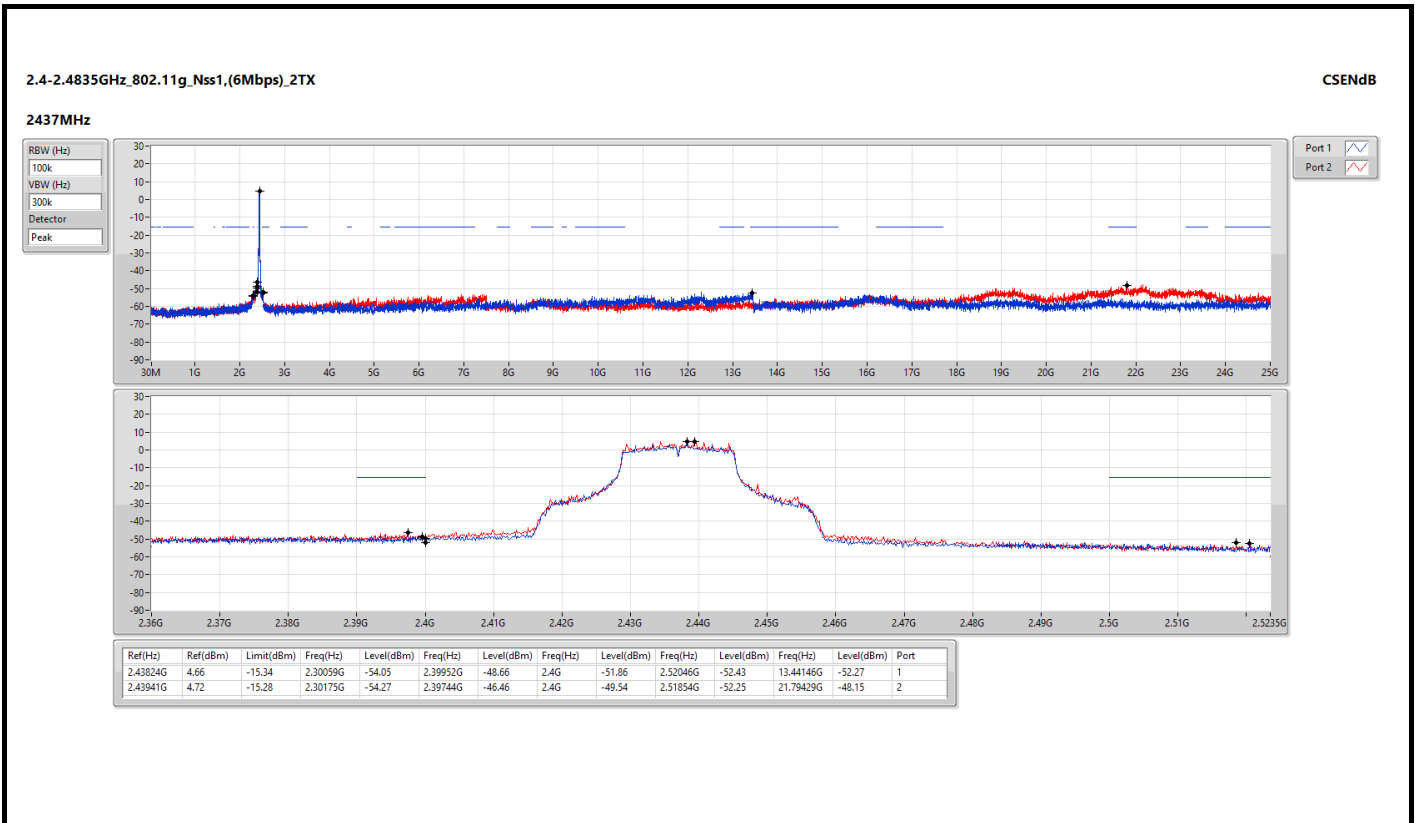
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor\* (dB/m)

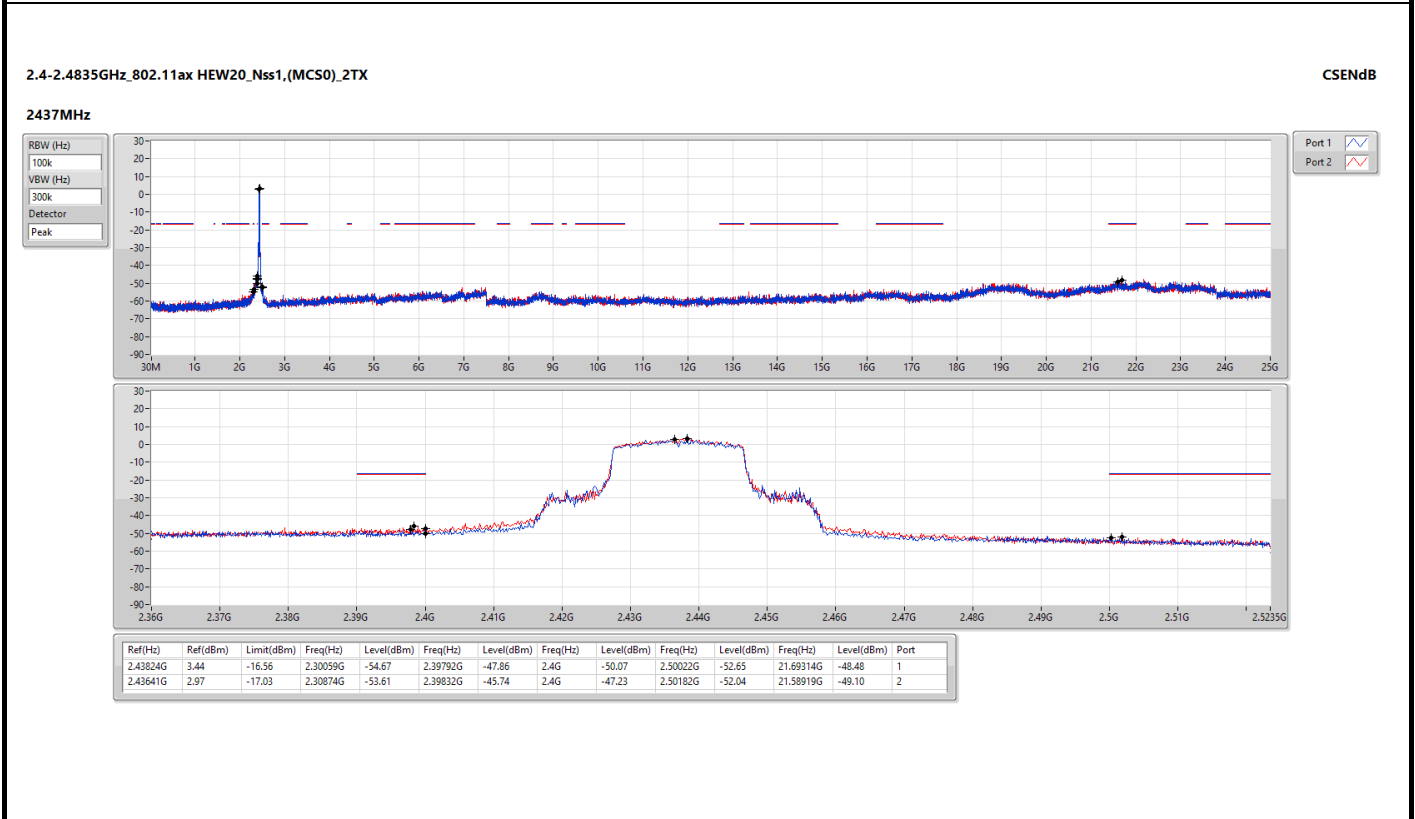
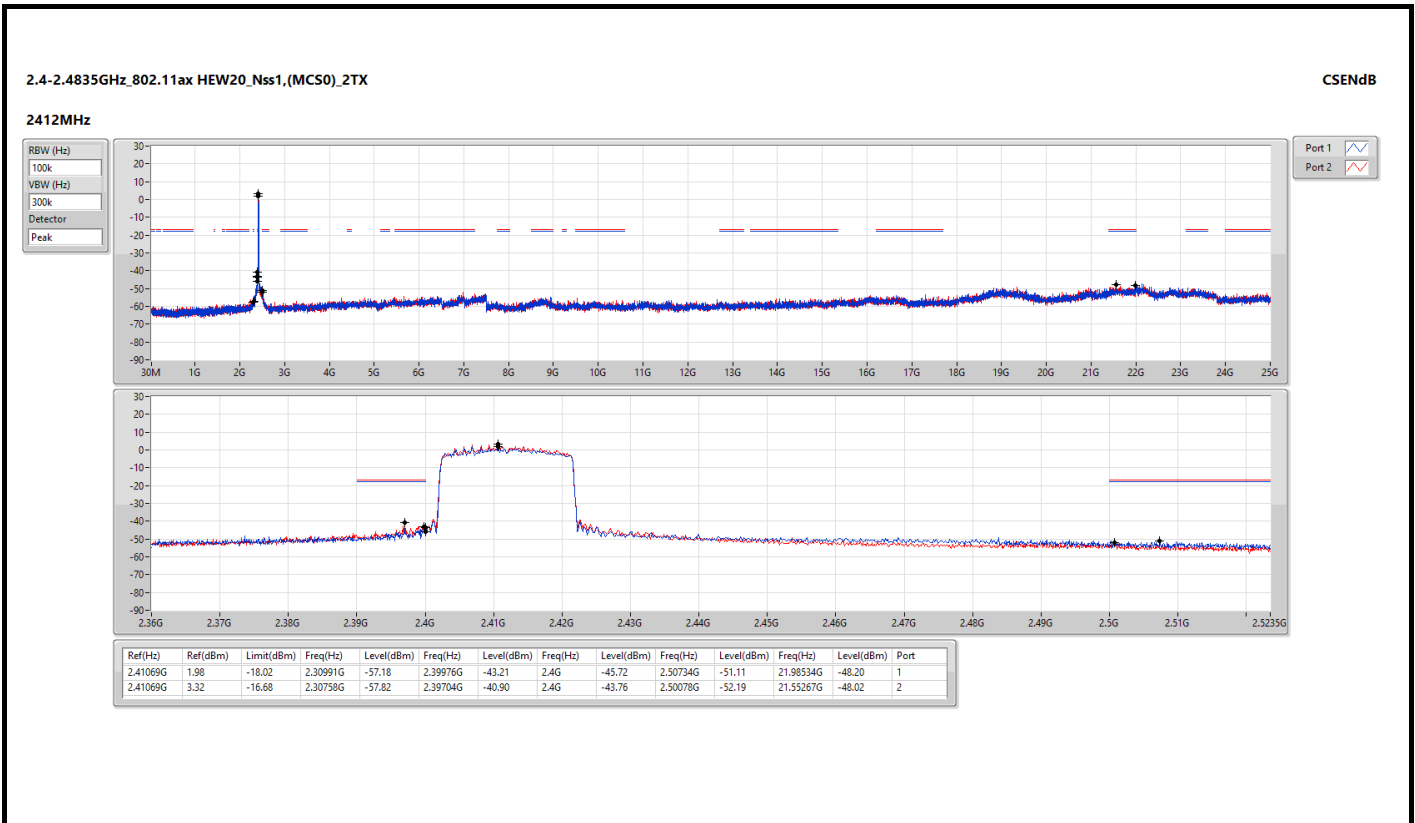
\*Factor includes antenna factor , cable loss and amplifier gain

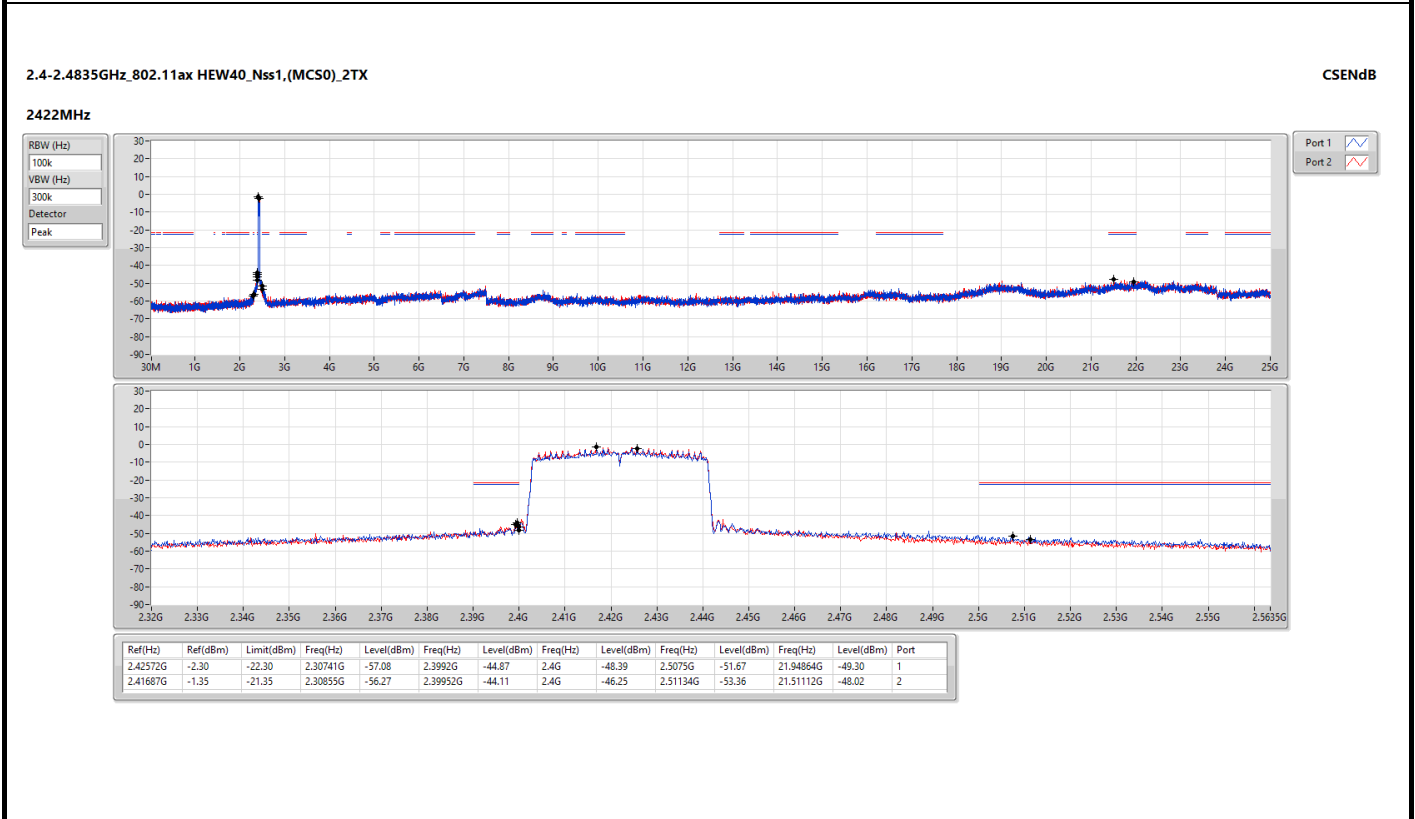
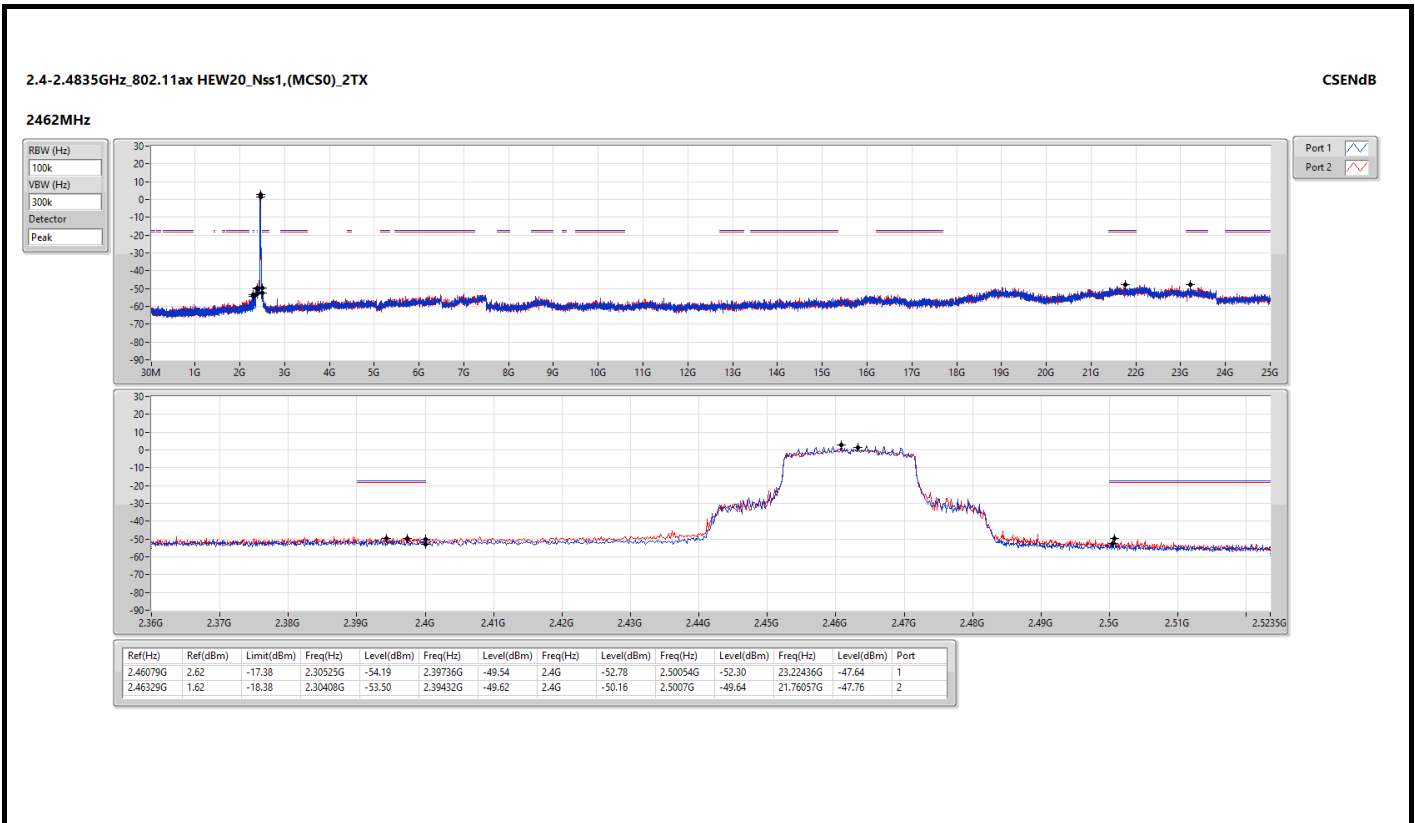
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

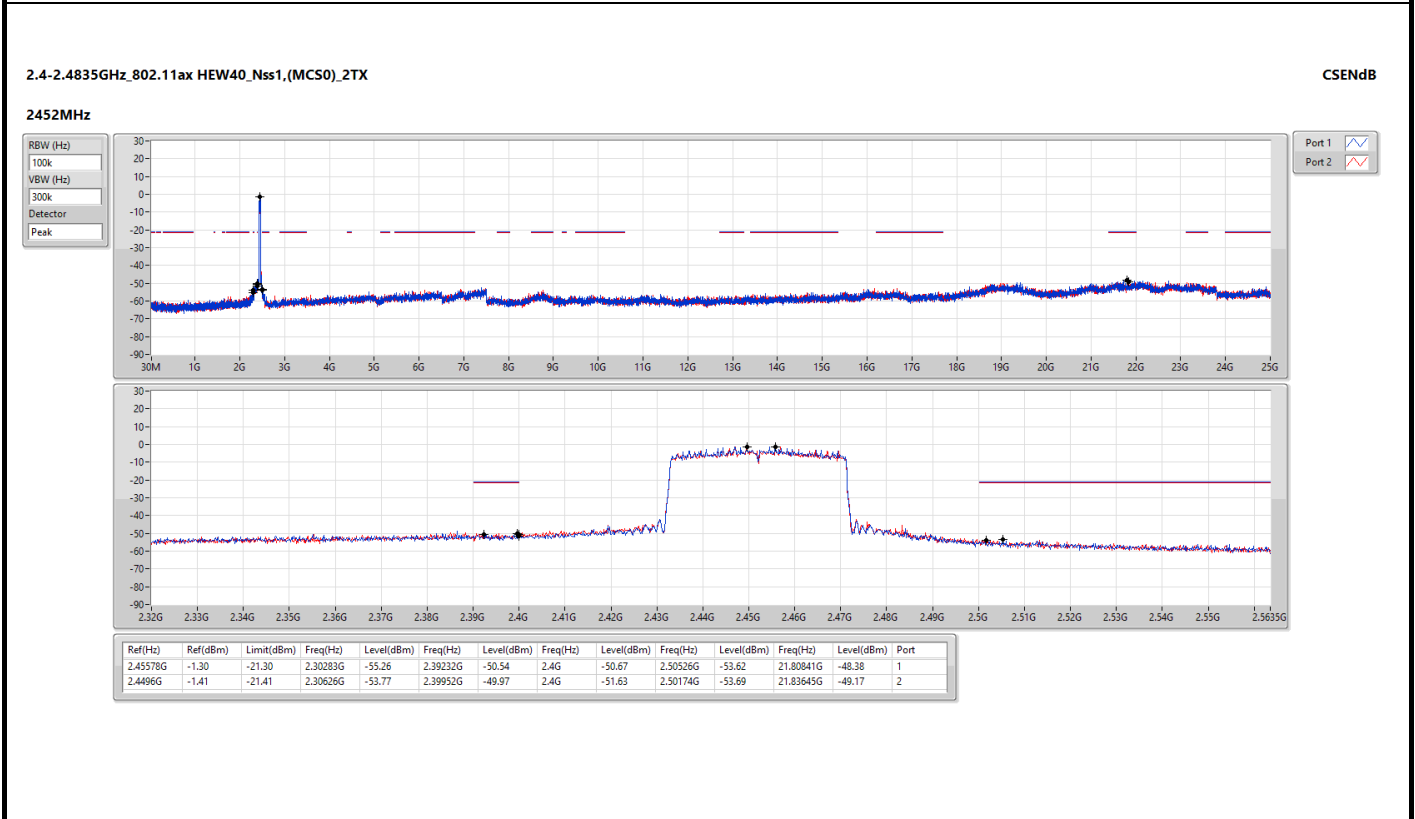
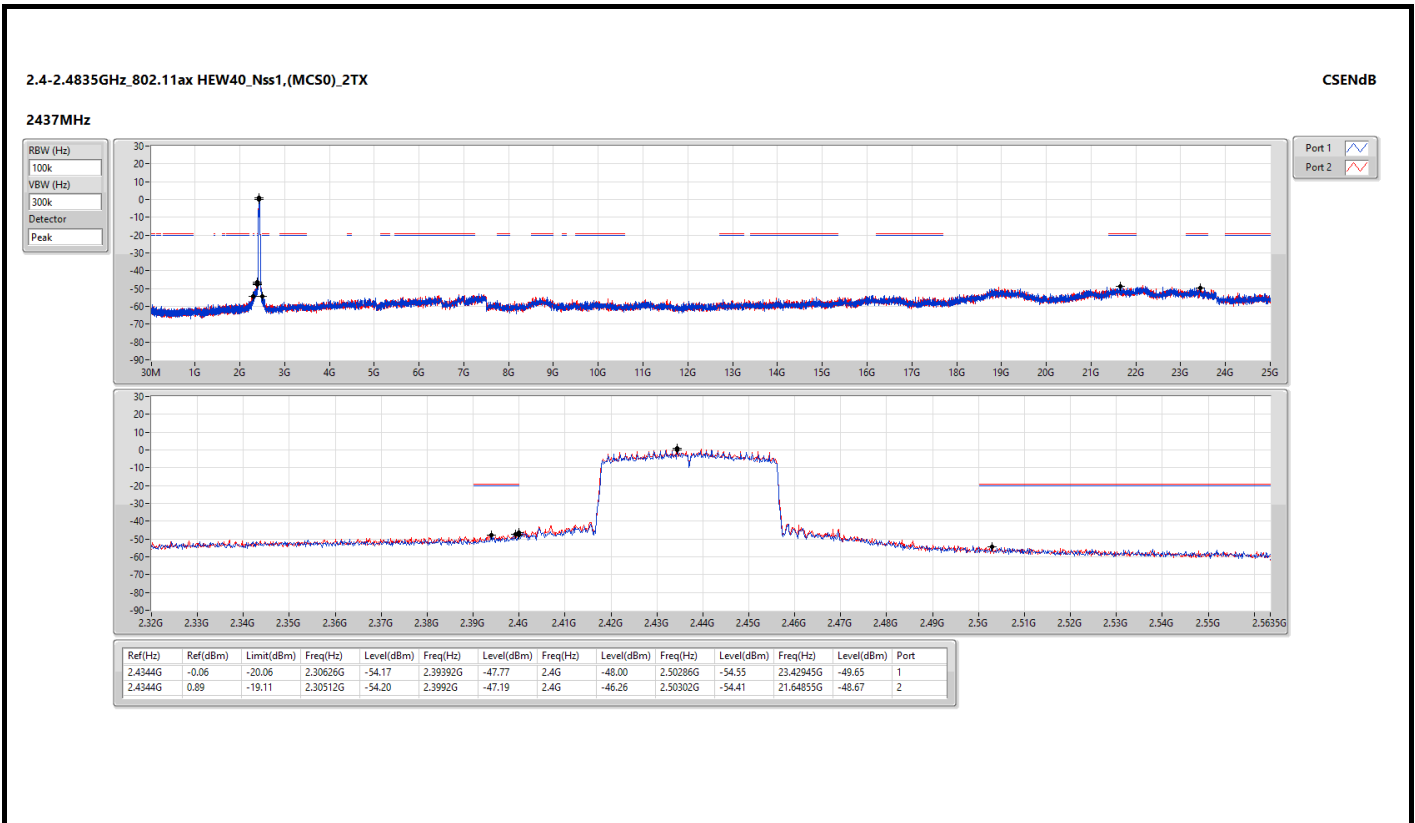








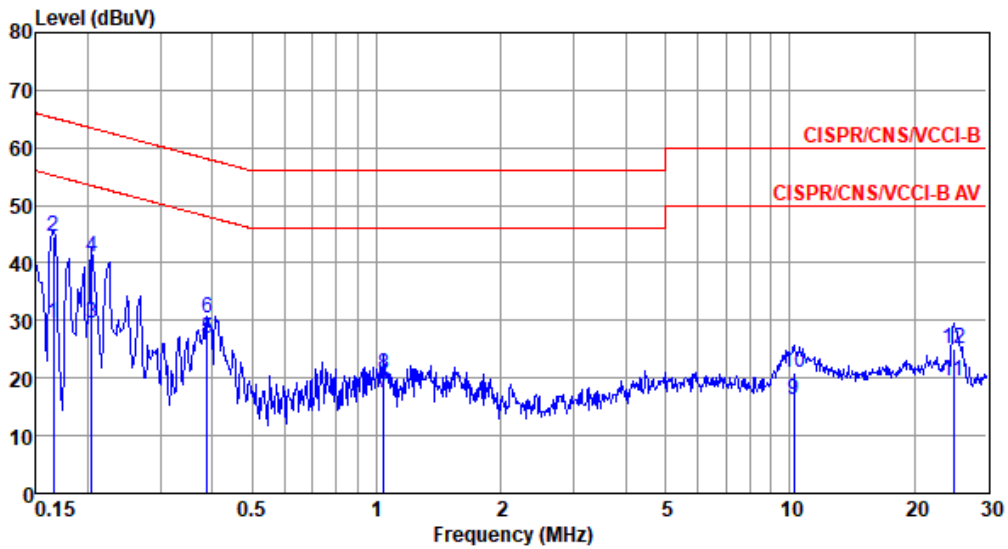






Modulation	ax HE20-OFDMA	Test Freq. (MHz)	2437
Power Phase	Line		

Test by : Joe Liao      Temperature: 22°C      Humidity: 68%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.165	29.39	55.21	-25.82	19.47	9.63	0.07	0.22	Average
2*	0.165	44.59	65.21	-20.62	34.67	9.63	0.07	0.22	QP
3	0.204	29.65	53.45	-23.80	19.72	9.62	0.06	0.25	Average
4	0.204	41.04	63.45	-22.41	31.11	9.62	0.06	0.25	QP
5	0.389	26.98	48.08	-21.10	16.95	9.62	0.08	0.33	Average
6	0.389	30.43	58.08	-27.65	20.40	9.62	0.08	0.33	QP
7	1.043	17.54	46.00	-28.46	7.46	9.63	0.09	0.36	Average
8	1.043	20.56	56.00	-35.44	10.48	9.63	0.09	0.36	QP
9	10.233	16.13	50.00	-33.87	5.64	9.69	0.35	0.45	Average
10	10.233	20.83	60.00	-39.17	10.34	9.69	0.35	0.45	QP
11	24.922	19.52	50.00	-30.48	8.64	9.65	0.54	0.69	Average
12	24.922	25.08	60.00	-34.92	14.20	9.65	0.54	0.69	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).

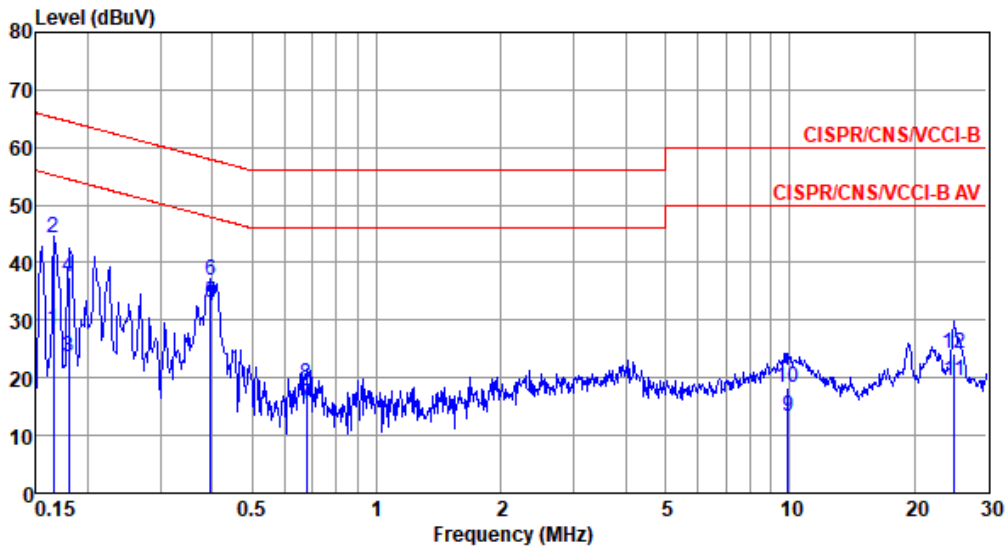
2: Over Limit (dB) = Level (dBuV) - Limit Line (dBuV).





Modulation	ax HE20-OFDMA	Test Freq. (MHz)	2437
Power Phase	Neutral		

Test by : Joe Liao      Temperature: 22°C      Humidity: 68%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.165	28.36	55.21	-26.85	18.52	9.63	0.07	0.14	Average
2	0.165	44.29	65.21	-20.92	34.45	9.63	0.07	0.14	QP
3	0.180	23.69	54.50	-30.81	13.84	9.63	0.07	0.15	Average
4	0.180	37.46	64.50	-27.04	27.61	9.63	0.07	0.15	QP
5*	0.396	33.01	47.95	-14.94	23.06	9.62	0.08	0.25	Average
6	0.396	36.84	57.95	-21.11	26.89	9.62	0.08	0.25	QP
7	0.675	15.45	46.00	-30.55	5.45	9.63	0.09	0.28	Average
8	0.675	19.02	56.00	-36.98	9.02	9.63	0.09	0.28	QP
9	9.913	13.25	50.00	-36.75	2.77	9.71	0.35	0.42	Average
10	9.913	18.27	60.00	-41.73	7.79	9.71	0.35	0.42	QP
11	25.055	19.55	50.00	-30.45	8.60	9.79	0.54	0.62	Average
12	25.055	24.21	60.00	-35.79	13.26	9.79	0.54	0.62	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).  
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).