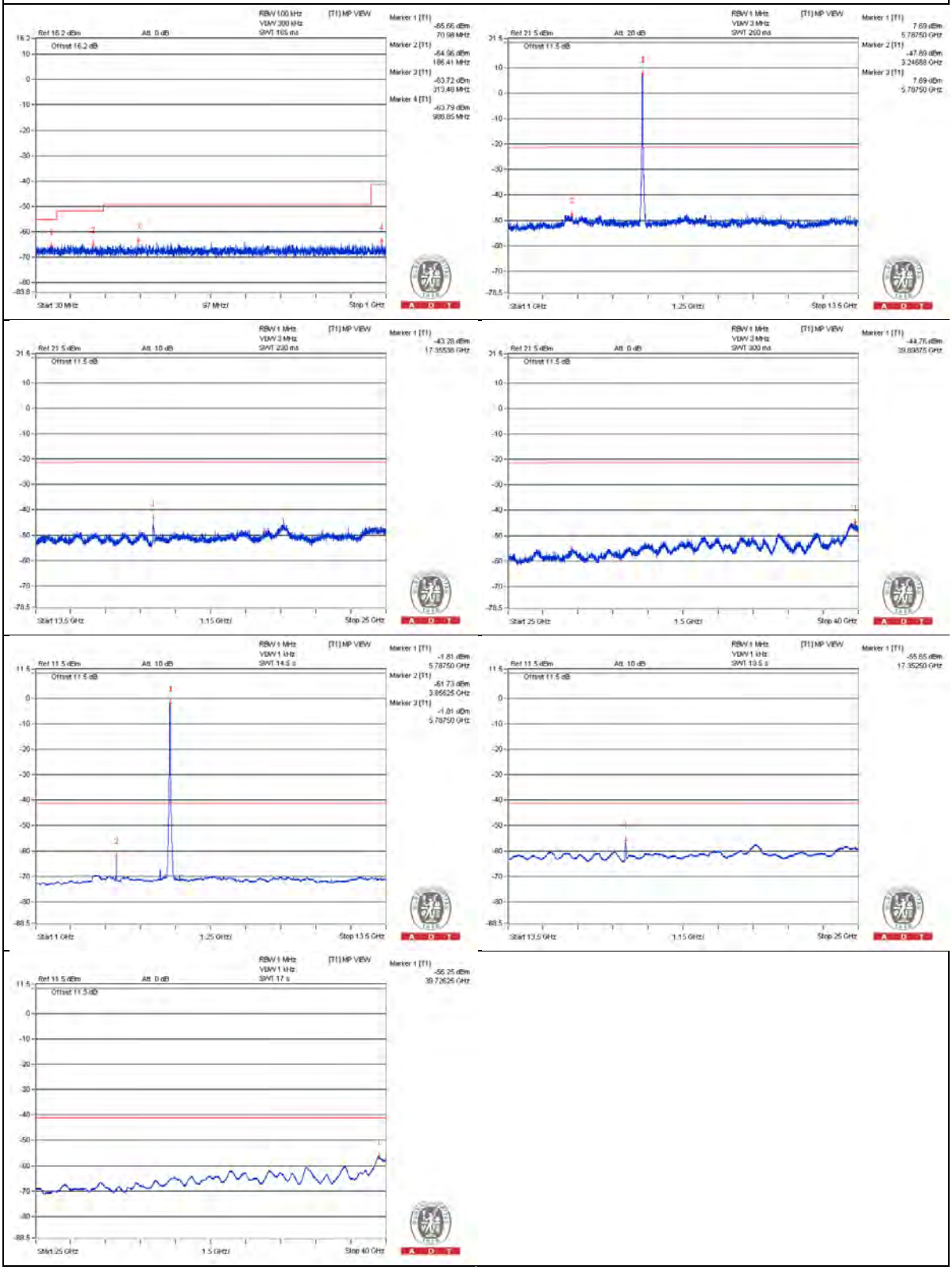
802.11ac (VHT20) - Channel 157

Conducted spurious emission table

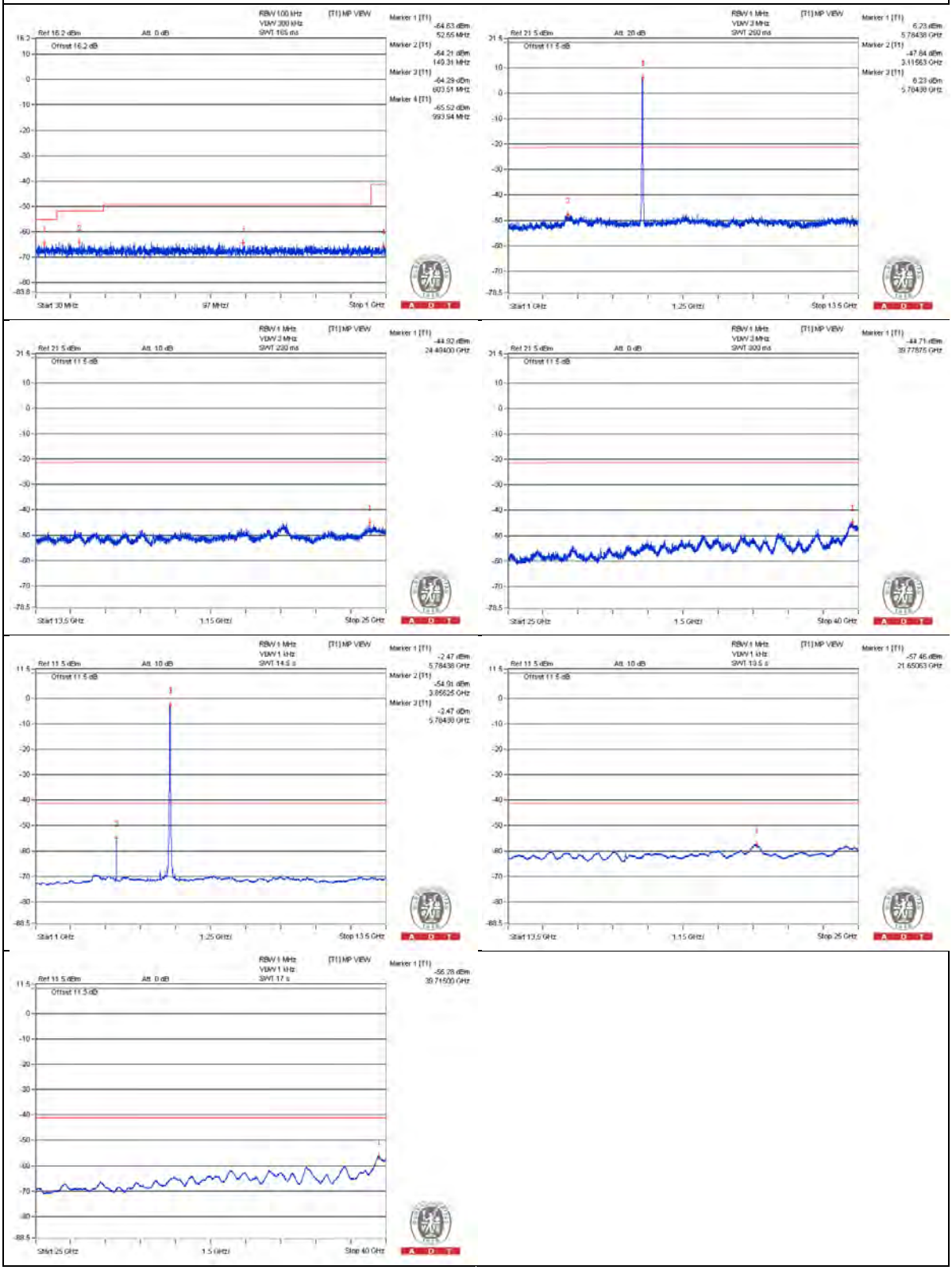
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3856.25 PK	56.51	74	-17.49	-49.81	-49.26	7.77	-38.75
2	3856.25 AV	48.94	54	-5.06	-61.73	-54.91	7.77	-46.32
3	7718.75 PK	56.62	74	-17.38	-49.12	-49.75	7.77	-38.64
4	7712.5 AV	35.43	54	-18.57	-70.36	-70.87	7.77	-59.83
5	11587.5 PK	55.55	74	-18.45	-50.3	-50.68	7.77	-39.71
6	11568.75 AV	34.44	54	-19.56	-71.21	-72.04	7.77	-60.82

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



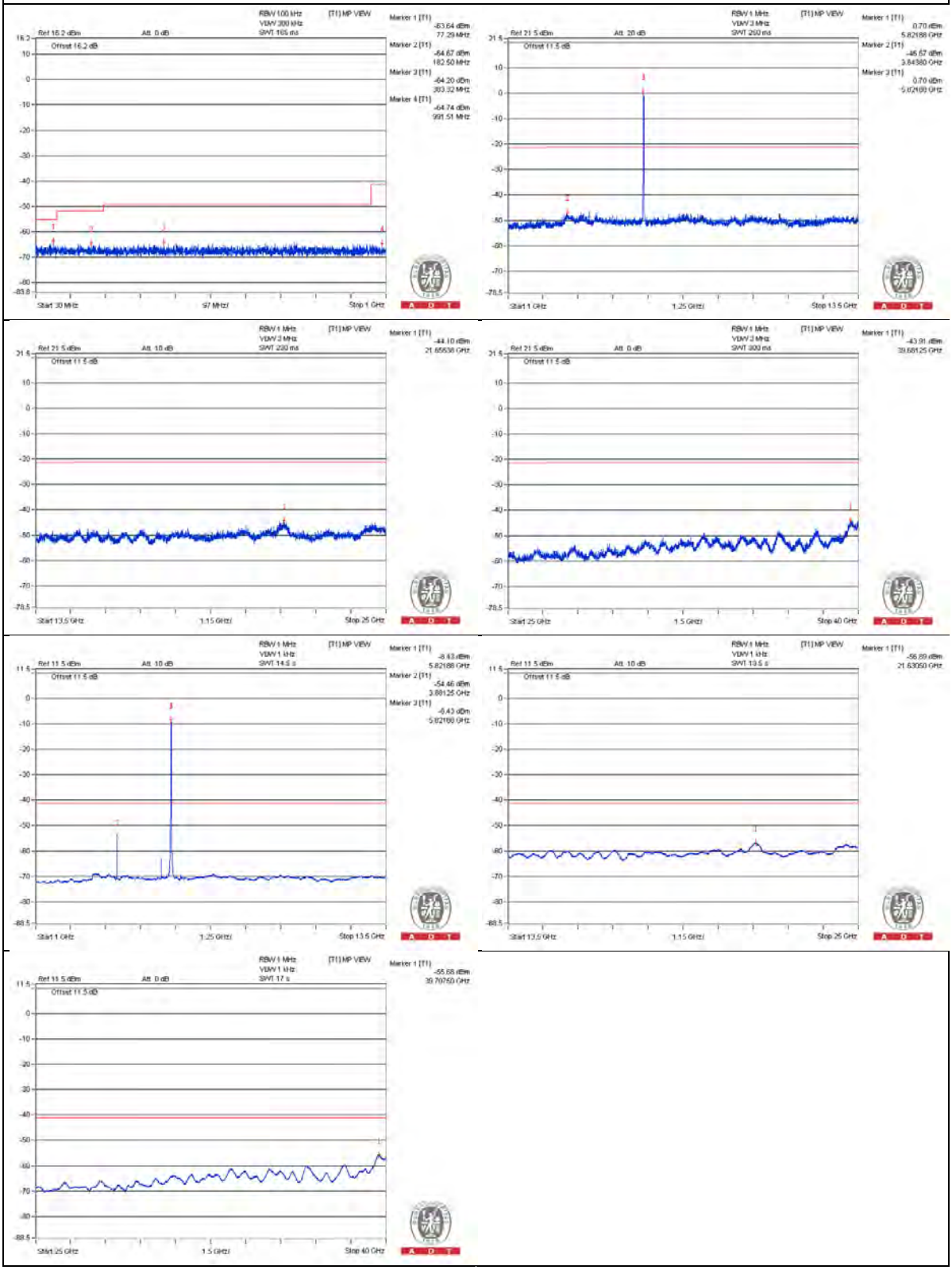
802.11ac (VHT20) - Channel 165

Conducted spurious emission table

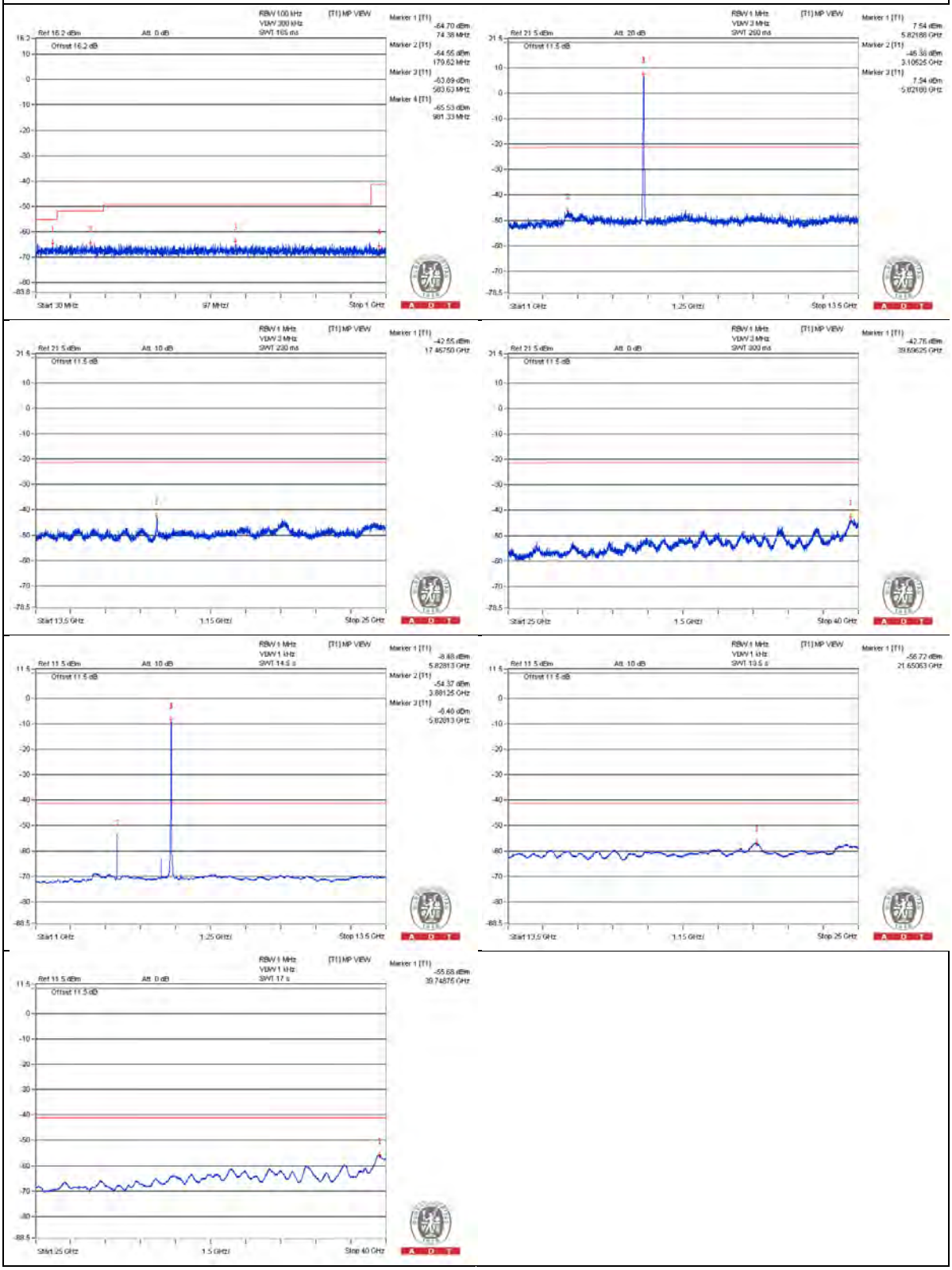
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3884.375 PK	58.91	74	-15.09	-46.81	-47.47	7.77	-36.35
2	3881.25 AV	51.63	54	-2.37	-54.46	-54.37	7.77	-43.63
3	7746.875 AV	36.05	54	-17.95	-69.89	-70.1	7.77	-59.21
4	11643.75 PK	55.34	74	-18.66	-49.92	-51.66	7.77	-39.92
5	11668.75 AV	34.53	54	-19.47	-71.43	-71.6	7.77	-60.73

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



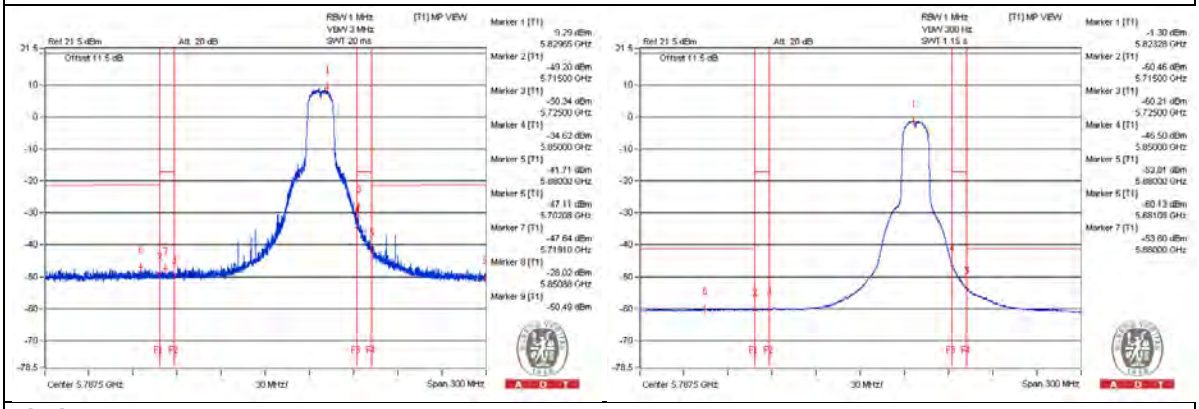
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5681.375 PK	57.36	74	-16.64	-47.51	-50.29	7.77	-37.9
2	5681 AV	45.82	54	-8.18	-60.22	-60.23	7.77	-49.44
3	5719.475 PK	57.75	78.2	-20.45	-49.6	-47.29	7.77	-37.51
4	5850.2 PK	80.23	78.2	* 2.03	-32.23	-23.33	7.77	-15.03
5	5860.25 PK	73.37	74	-0.63	-39.95	-30.09	7.77	-21.89
6	5860.1 AV	57.92	54	* 3.92	-53.87	-45.73	7.77	-37.34

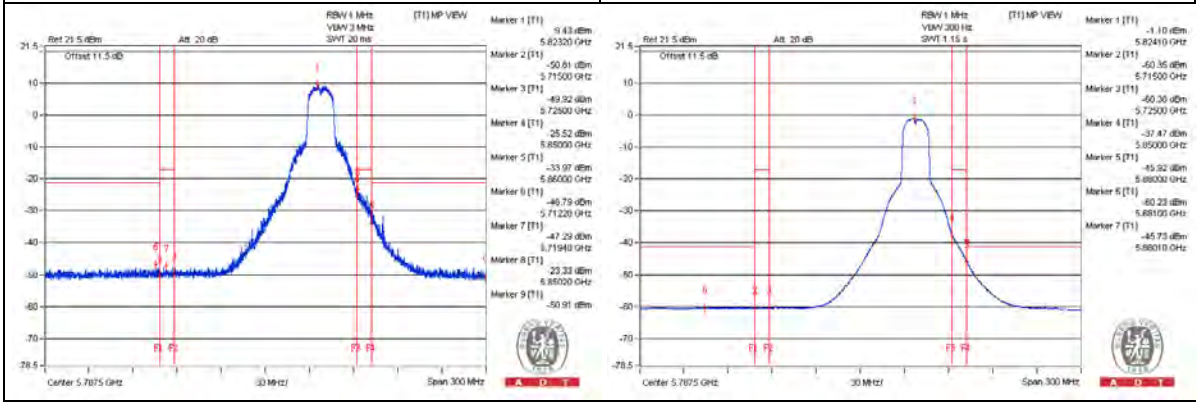
Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)

Chain 0



Chain 1



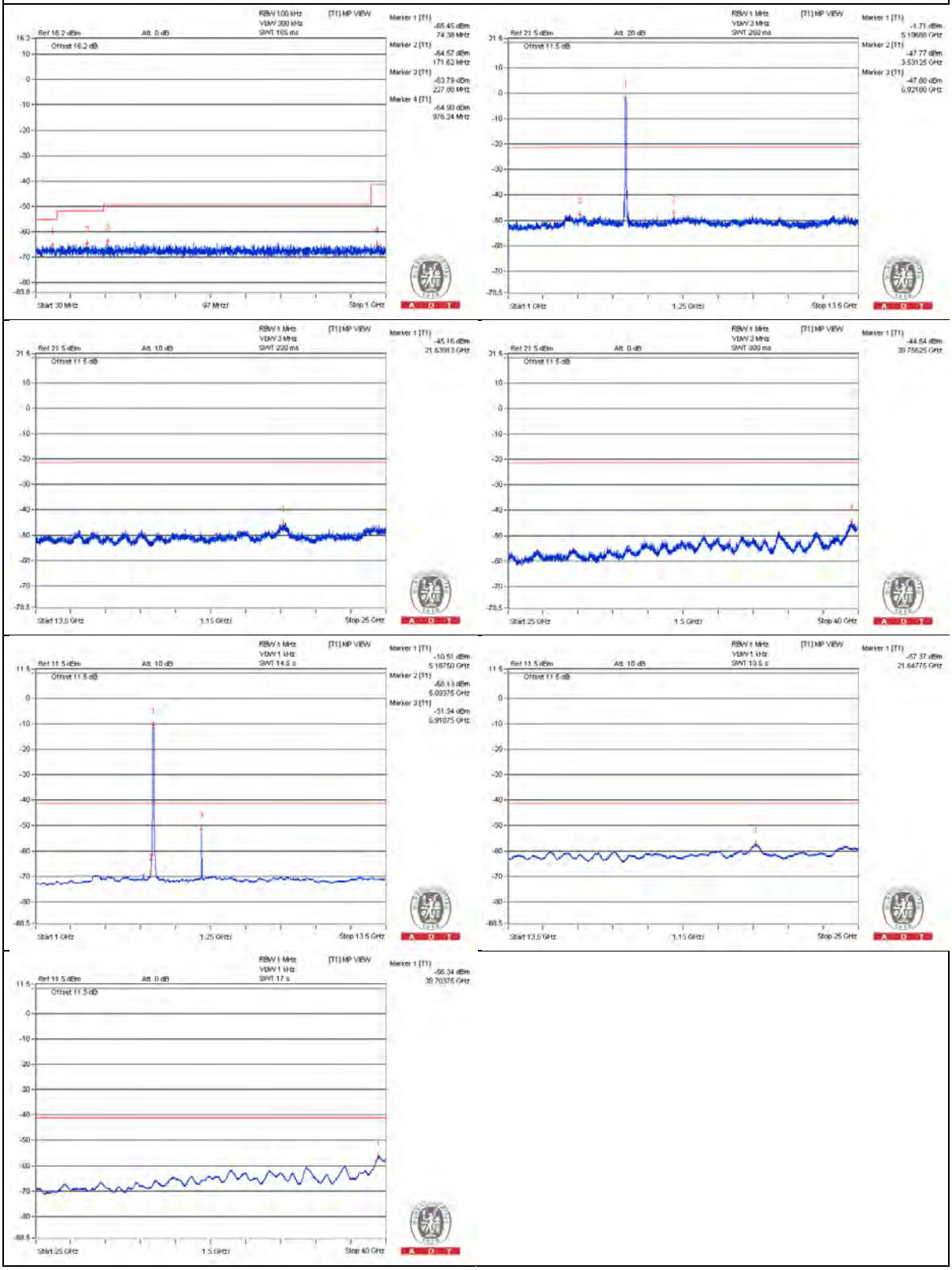
802.11ac (VHT40) - Channel 38

Conducted spurious emission table

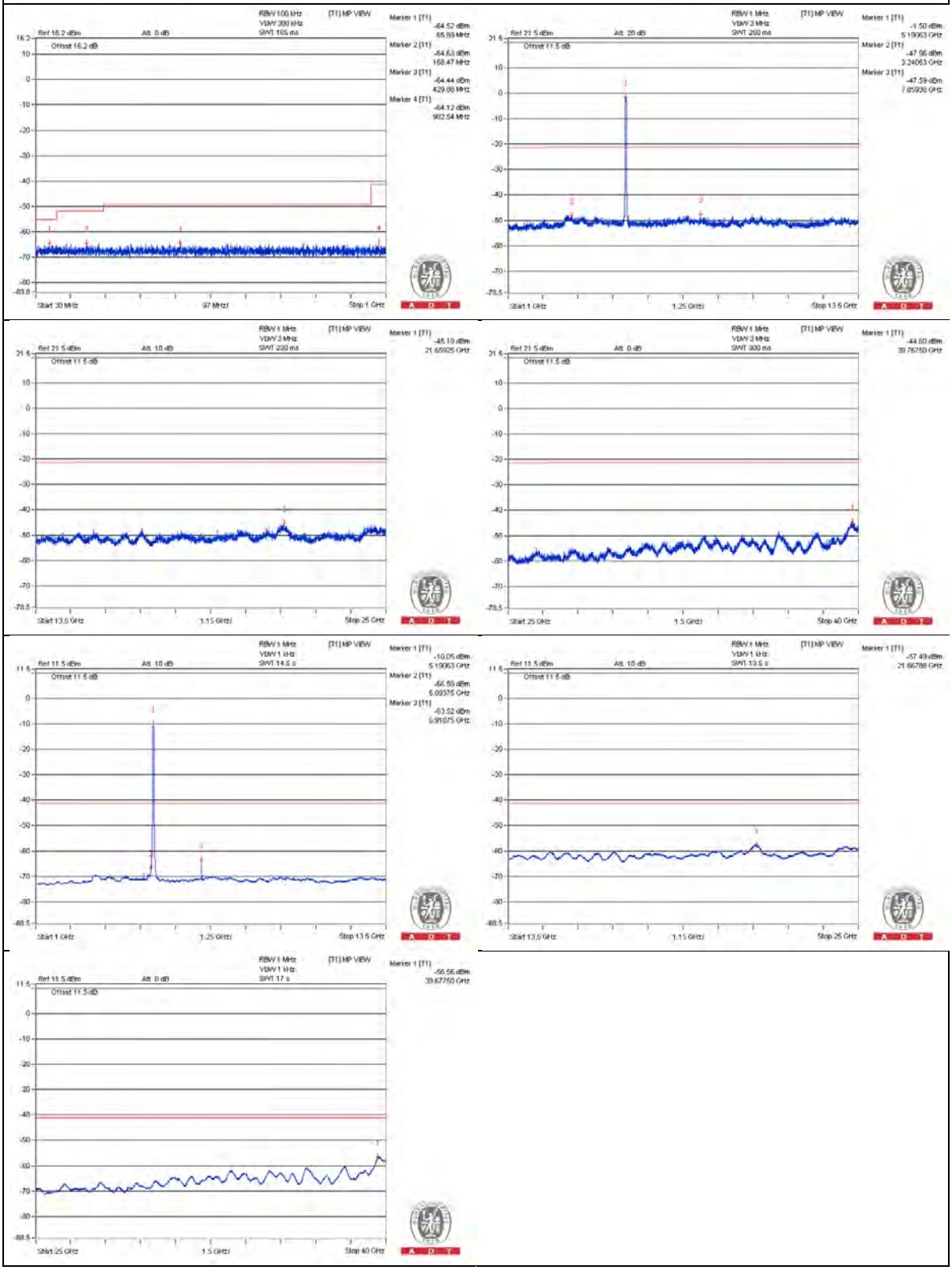
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3465.625 PK	54.8	74	-19.2	-49.72	-49.4	6.09	-40.46
2	3459.375 AV	33.54	54	-20.46	-70.91	-70.73	6.09	-61.72
3	6921.875 PK	56.06	74	-17.94	-47.08	-50	6.09	-39.2
4	6918.75 AV	50.08	54	-3.92	-51.54	-63.52	6.09	-45.18
5	10387.5 PK	54.04	74	-19.96	-50.57	-50.08	6.09	-41.22
6	10368.75 AV	33.46	54	-20.54	-70.62	-71.19	6.09	-61.8
7	15570 PK	53.8	74	-20.2	-50.42	-50.7	6.09	-41.46
8	15552.75 AV	42.26	54	-11.74	-62.14	-62.07	6.09	-53

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1

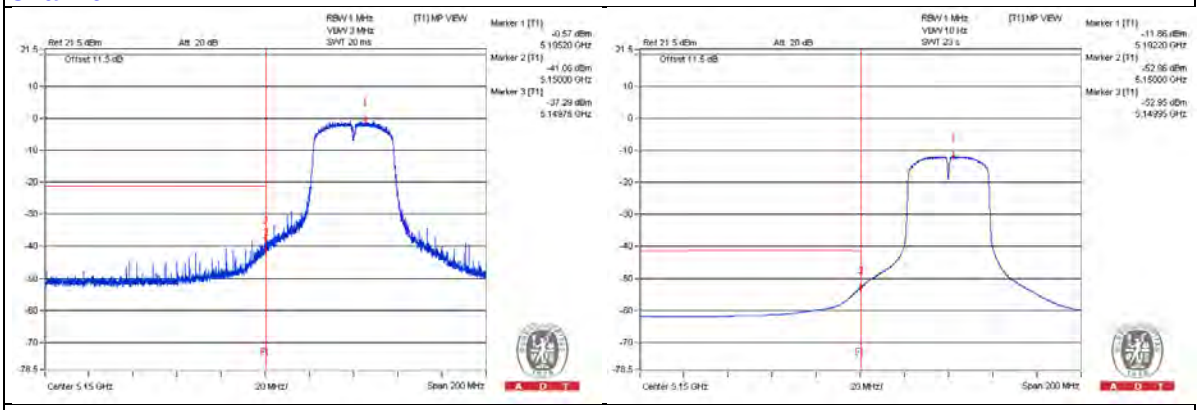


Bandedge table

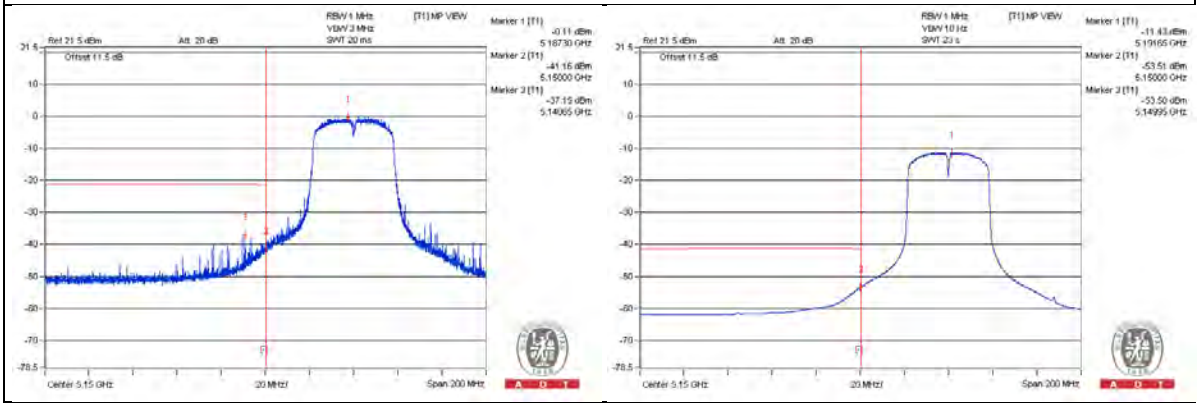
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5149.75 PK	65.26	74	-8.74	-37.29	-42.26	6.09	-30
2	5149.95 AV	51.14	54	-2.86	-52.95	-53.5	6.09	-44.12

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



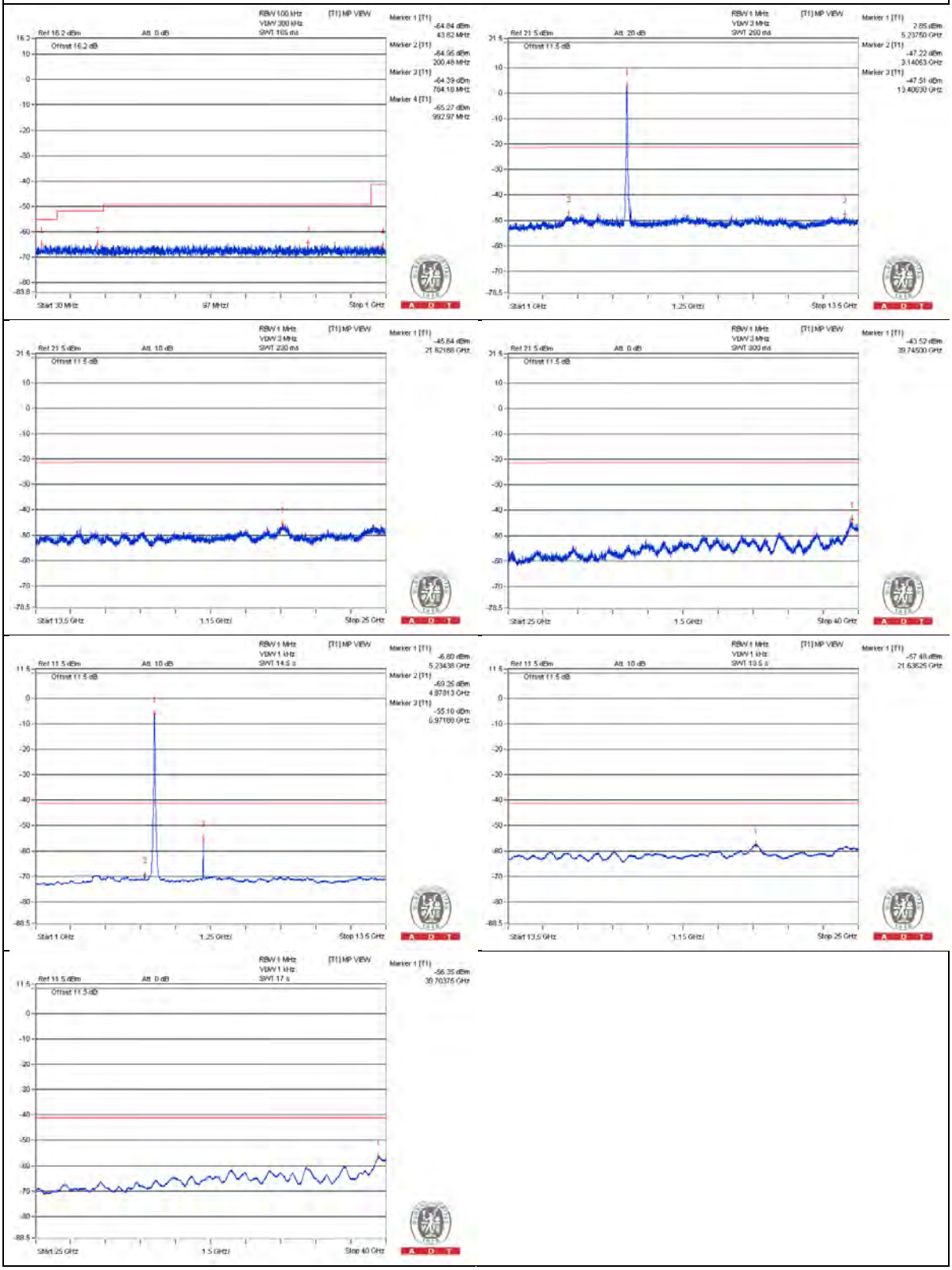
802.11ac (VHT40) - Channel 46

Conducted spurious emission table

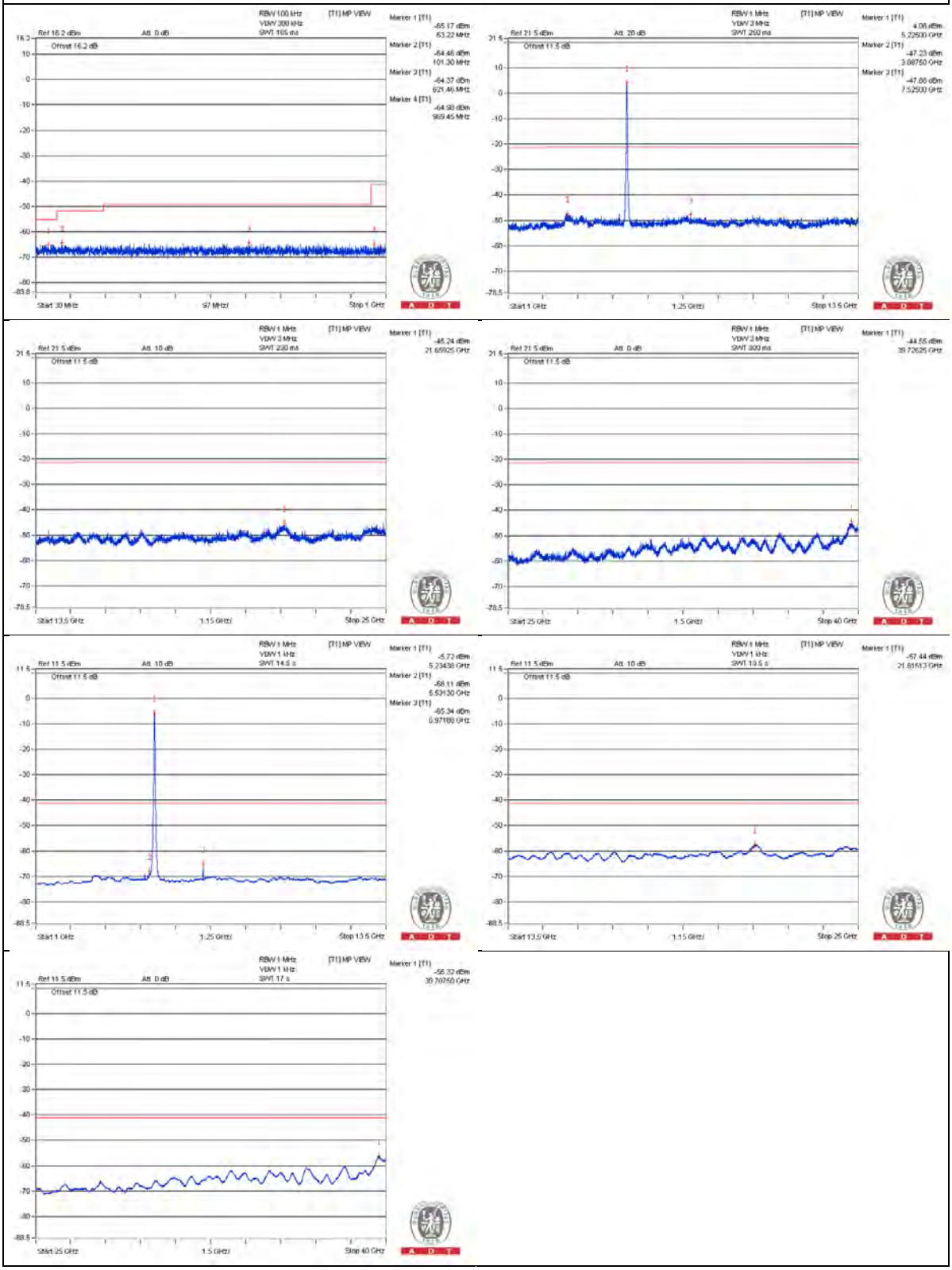
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3487.5 PK	53.89	74	-20.11	-50.43	-50.52	6.09	-41.37
2	3484.375 AV	33.74	54	-20.26	-70.88	-70.37	6.09	-61.52
3	6975 PK	54.96	74	-19.04	-47.98	-51.54	6.09	-40.3
4	6971.875 AV	46.72	54	-7.28	-55.01	-65.34	6.09	-48.54
5	10440.625 PK	53.62	74	-20.38	-51.43	-50.14	6.09	-41.64
6	10459.375 AV	33.28	54	-20.72	-70.97	-71.2	6.09	-61.98
7	15705.125 PK	53.27	74	-20.73	-49.94	-52.67	6.09	-41.99
8	15685 AV	41.48	54	-12.52	-62.91	-62.85	6.09	-53.78

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



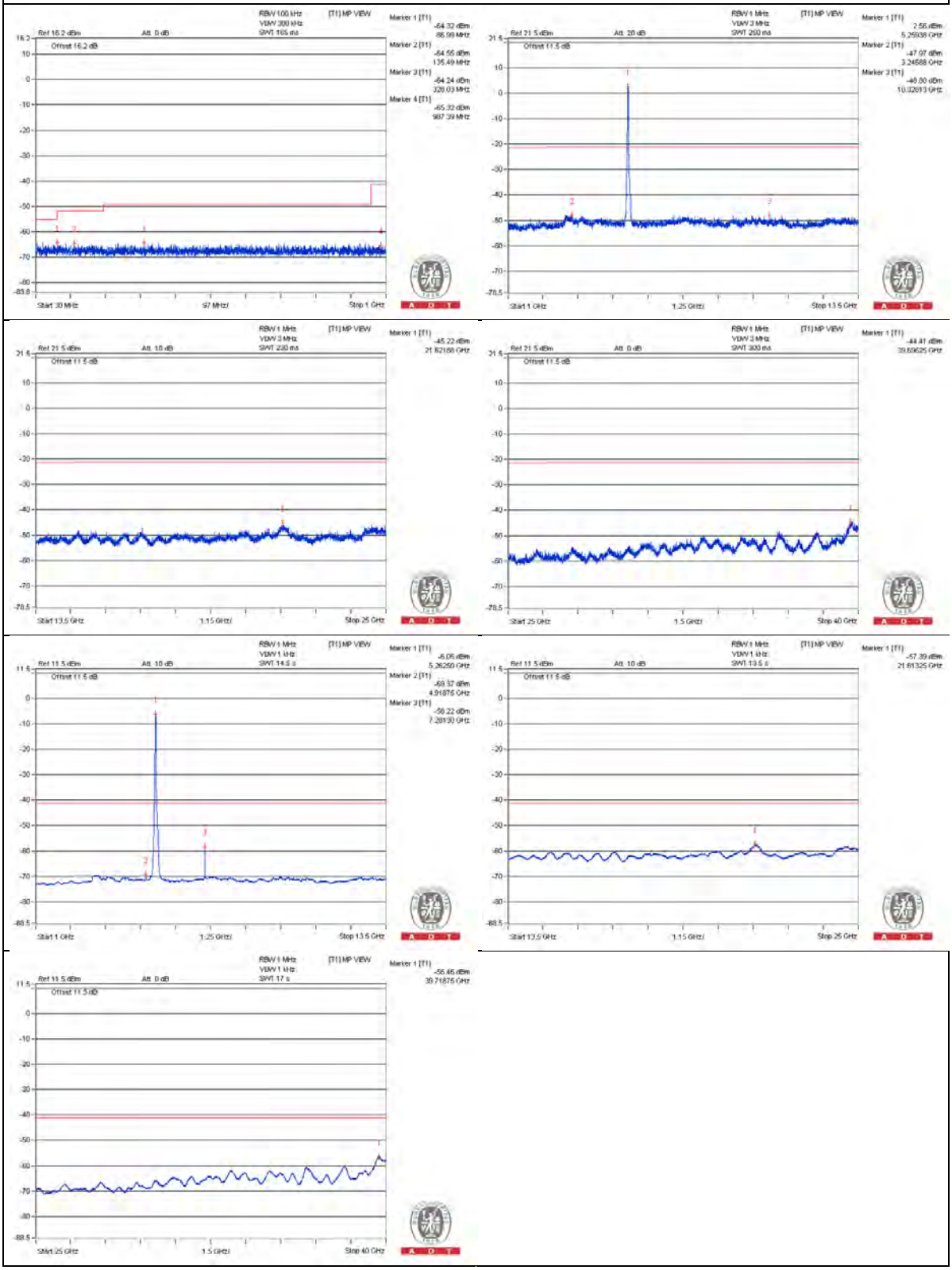
802.11ac (VHT40) - Channel 54

Conducted spurious emission table

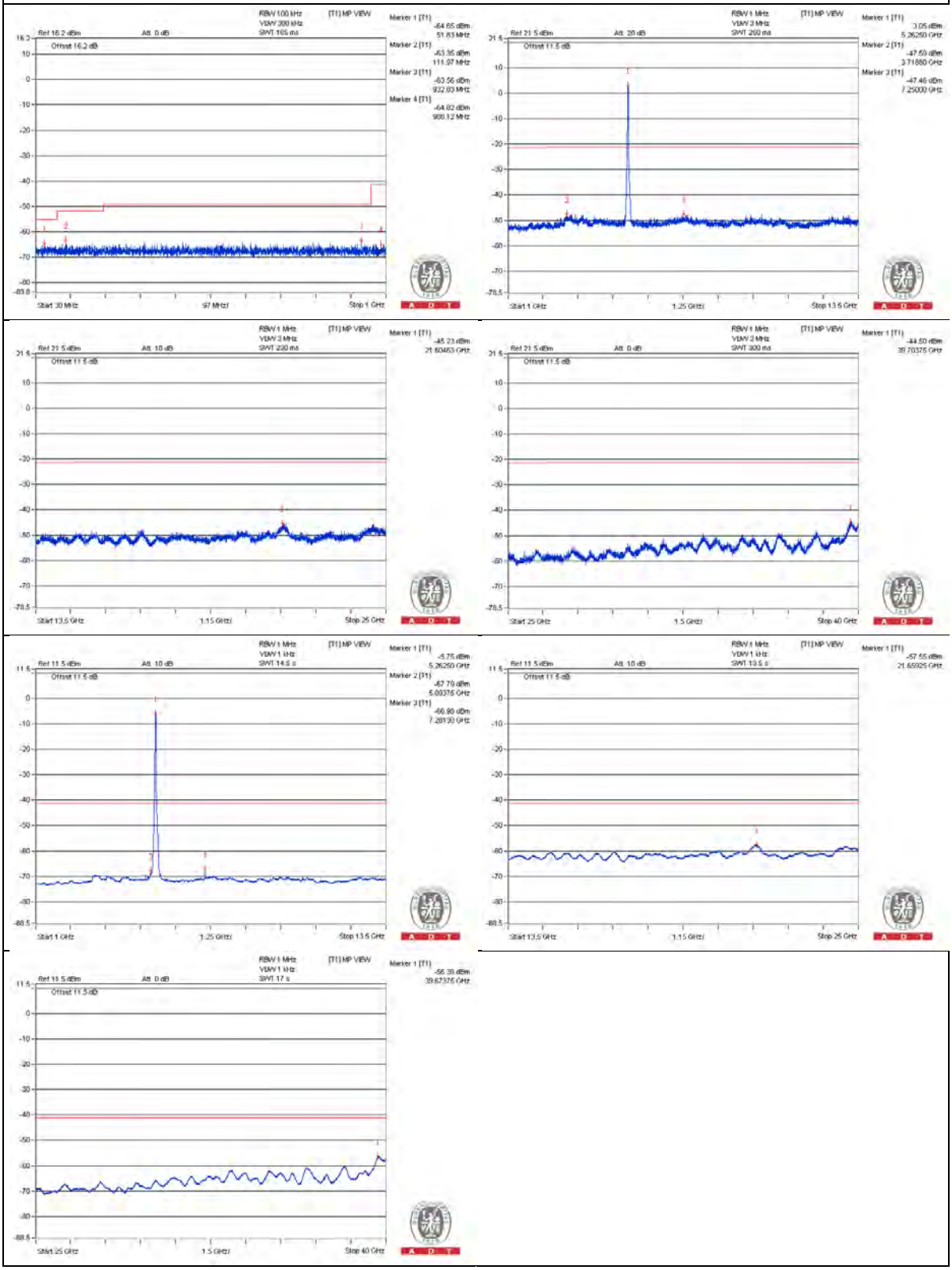
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3515.625 PK	54.67	74	-19.33	-50.2	-49.24	6.09	-40.59
2	3512.5 AV	34.51	54	-19.49	-69.89	-69.82	6.09	-60.75
3	7018.75 PK	54.39	74	-19.61	-50.58	-49.43	6.09	-40.87
4	7028.125 AV	43.67	54	-10.33	-58.22	-66.98	6.09	-51.59
5	10543.75 PK	54.67	74	-19.33	-49.09	-50.39	6.09	-40.59
6	10540.625 AV	33.88	54	-20.12	-70.72	-70.26	6.09	-61.38
7	15820.125 PK	54.36	74	-19.64	-48.73	-51.79	6.09	-40.9
8	15825.875 AV	42.83	54	-11.17	-61.54	-61.52	6.09	-52.43

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



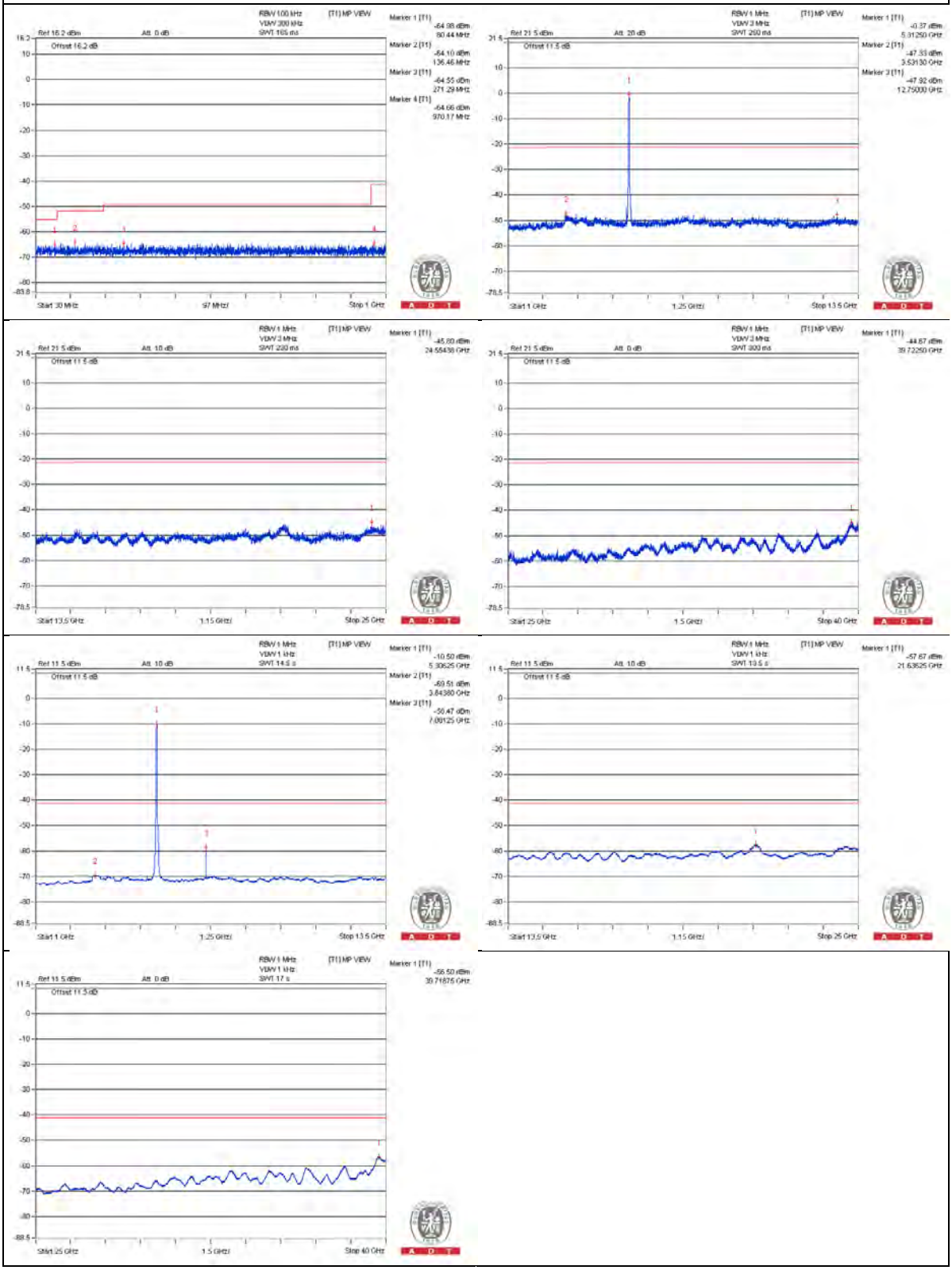
802.11ac (VHT40) - Channel 62

Conducted spurious emission table

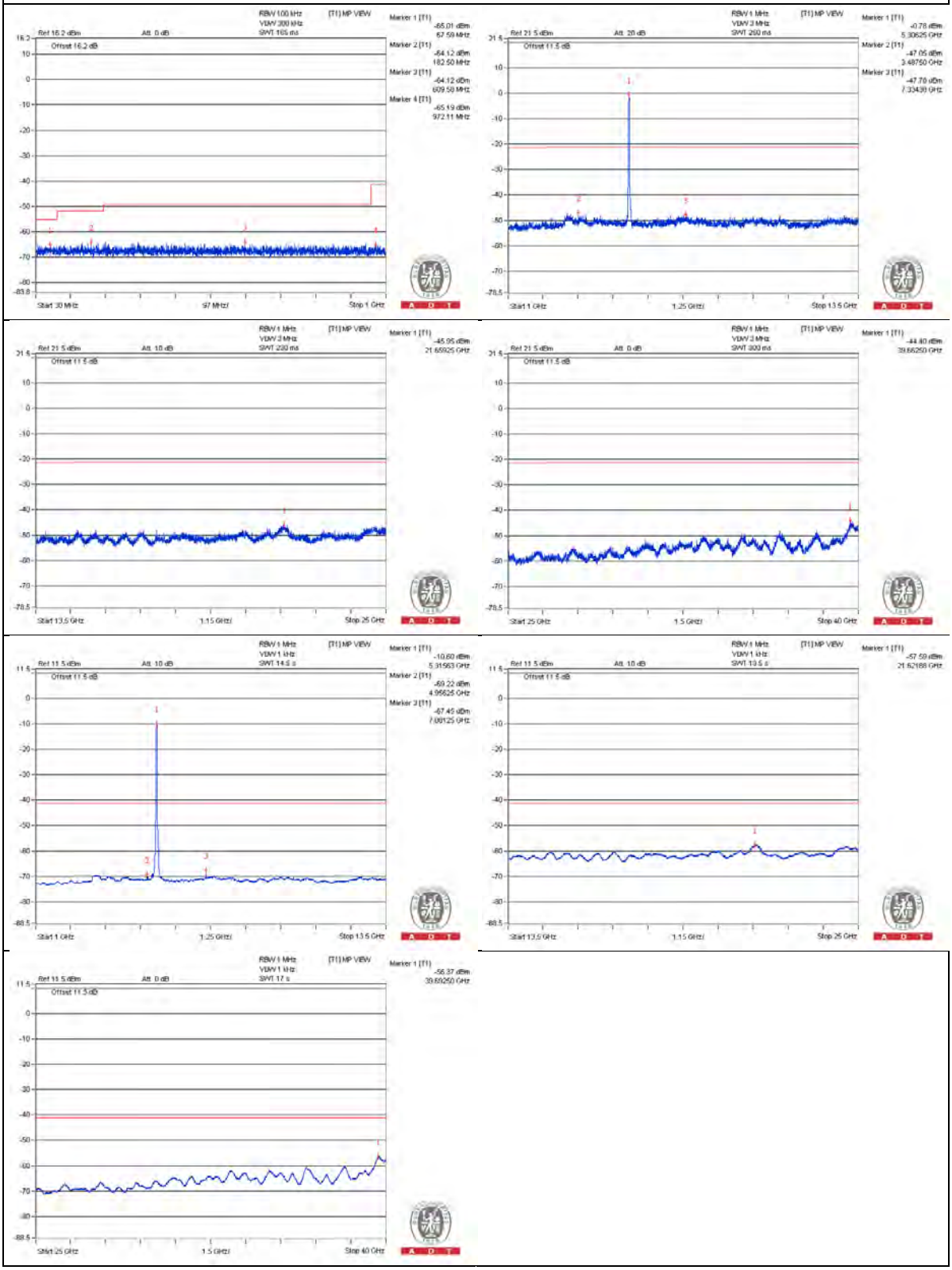
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3553.125 PK	55.61	74	-18.39	-49.26	-48.3	6.09	-39.65
2	3540.625 AV	34.33	54	-19.67	-69.85	-70.22	6.09	-60.93
3	7071.875 PK	55.42	74	-18.58	-48.65	-49.26	6.09	-39.84
4	7081.25 AV	43.4	54	-10.6	-58.47	-67.45	6.09	-51.86
5	10621.875 PK	54.43	74	-19.57	-49.26	-50.73	6.09	-40.83
6	10621.875 AV	33.78	54	-20.22	-70.67	-70.5	6.09	-61.48
7	15949.5 PK	53.37	74	-20.63	-50.74	-51.26	6.09	-41.89
8	15912.125 AV	42.39	54	-11.61	-61.94	-62.01	6.09	-52.87

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1

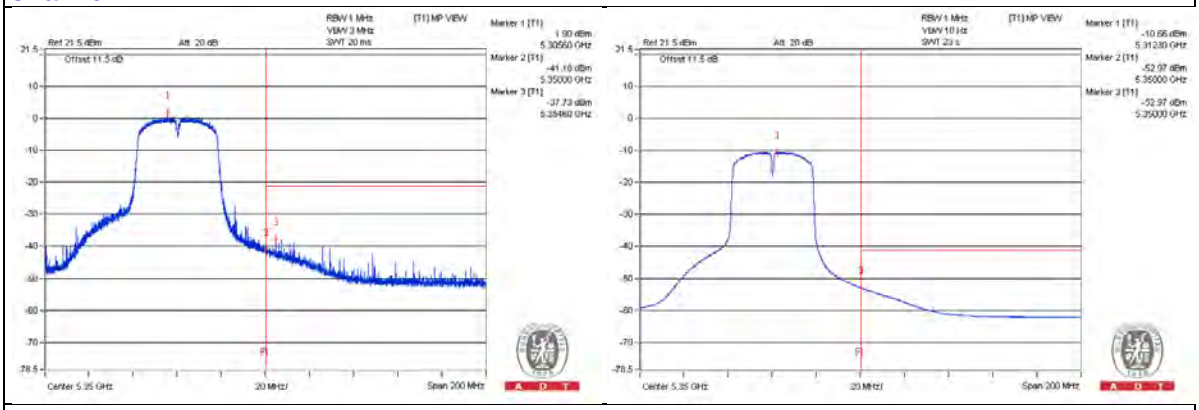


Bandedge table

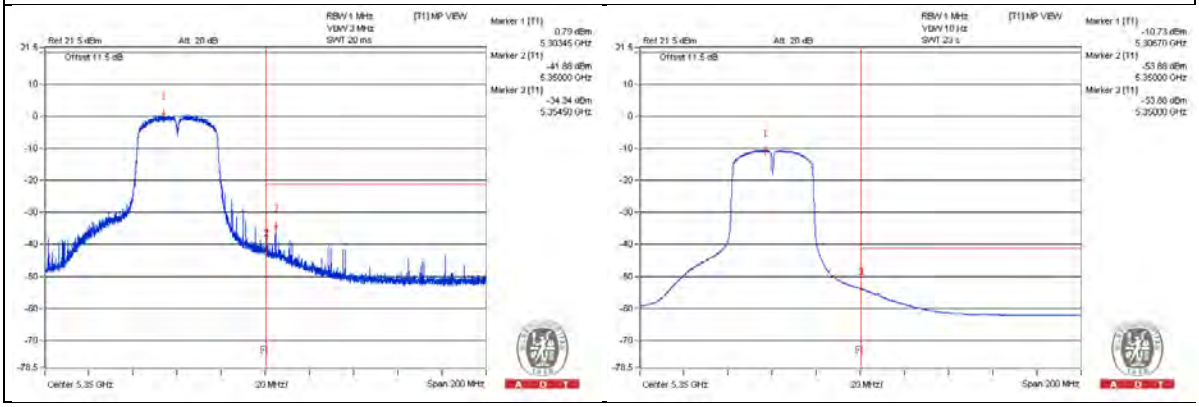
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5350.45 PK	66.83	74	-7.17	-41.83	-35.41	6.09	-28.43
2	5350 AV	50.96	54	-3.04	-52.97	-53.88	6.09	-44.3

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



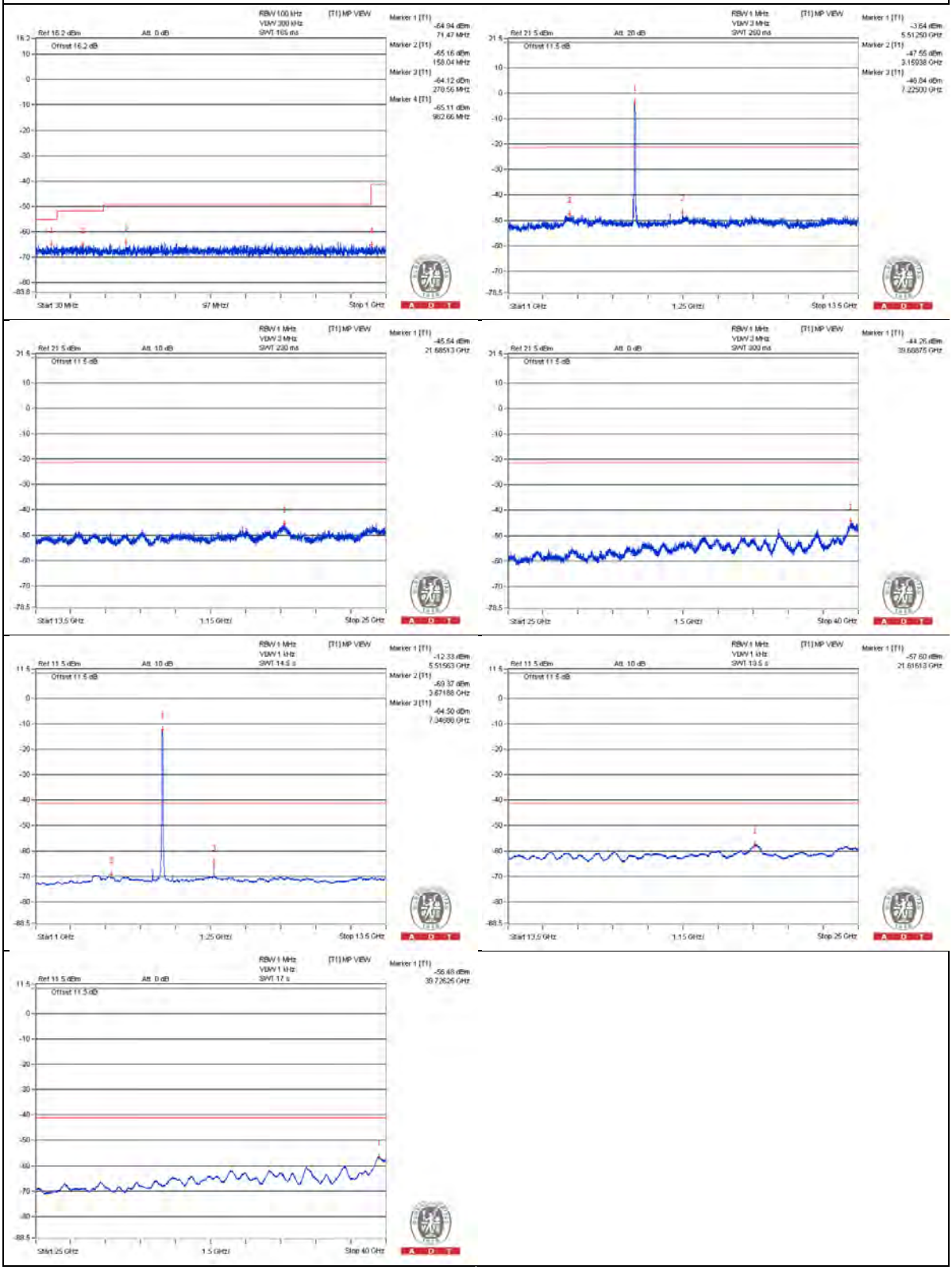
802.11ac (VHT40) - Channel 102

Conducted spurious emission table

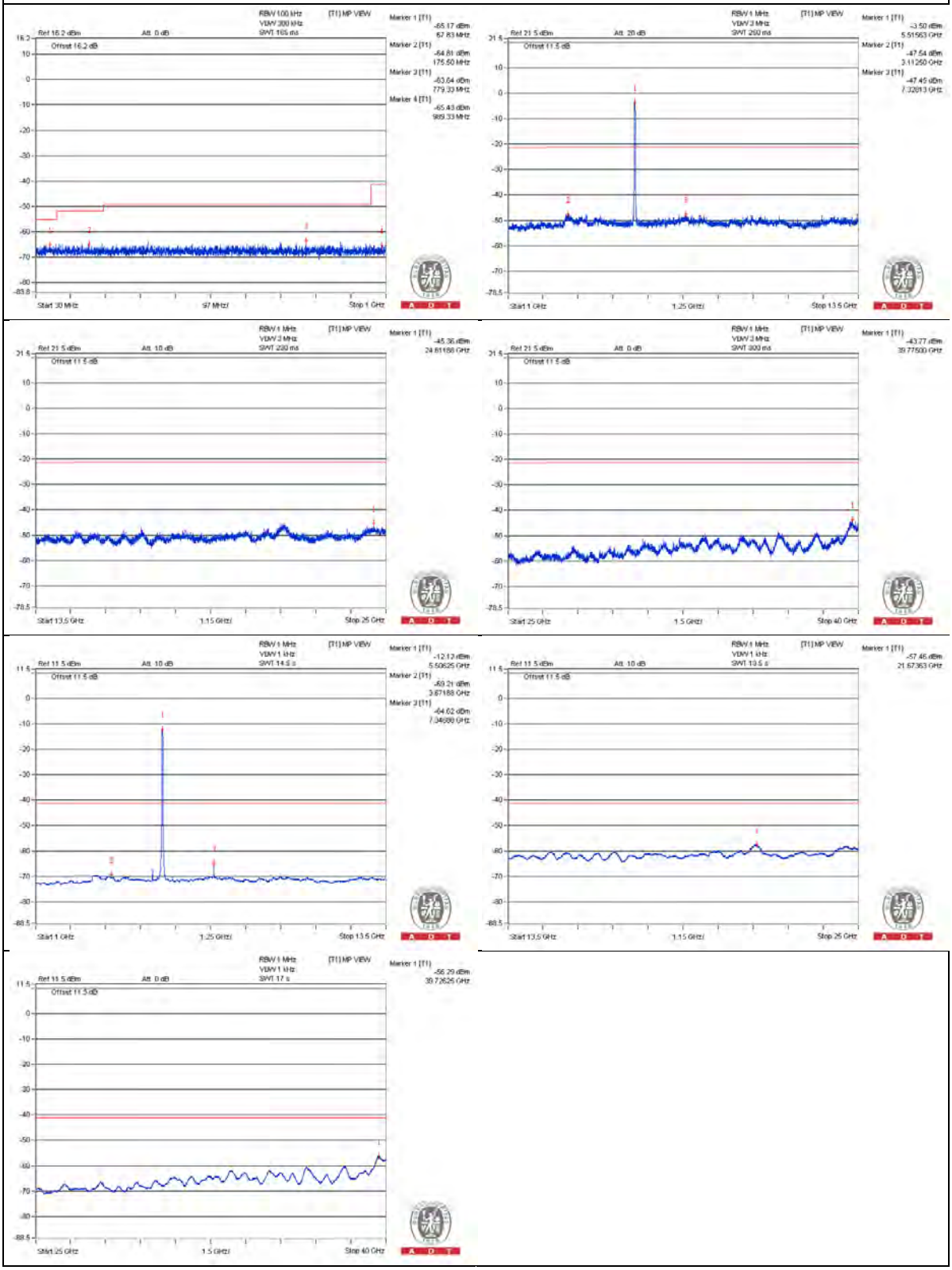
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3659.375 PK	56.49	74	-17.51	-49.5	-49.61	7.77	-38.77
2	3671.875 AV	36.75	54	-17.25	-69.37	-69.21	7.77	-58.51
3	7328.125 PK	57.5	74	-16.5	-50.01	-47.45	7.77	-37.76
4	7346.875 AV	41.48	54	-12.52	-64.5	-64.62	7.77	-53.78
5	11012.5 PK	54.74	74	-19.26	-51.93	-50.75	7.77	-40.52
6	11000 AV	34.05	54	-19.95	-72.03	-71.96	7.77	-61.21
7	16527.375 PK	55.27	74	-18.73	-50.32	-51.27	7.77	-39.99
8	16510.125 AV	44.28	54	-9.72	-61.79	-61.74	7.77	-50.98

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



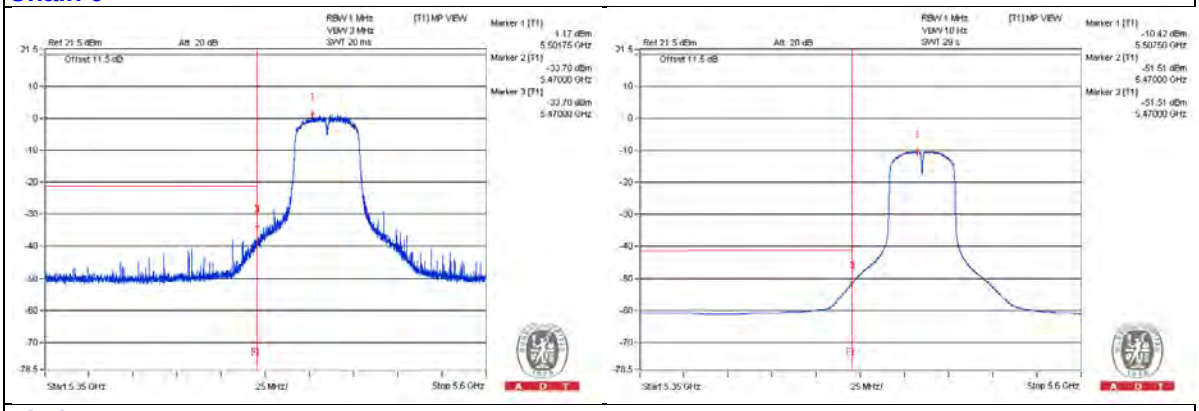
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5470 PK	70.46	74	-3.54	-33.7	-38.95	7.77	-24.8
2	5470 AV	54.32	54	* 0.32	-51.51	-51.95	7.77	-40.94

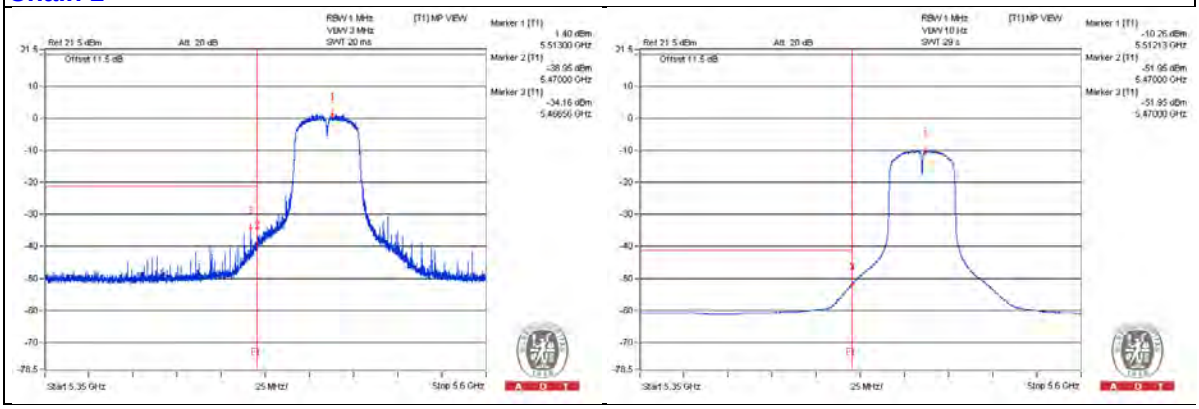
Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)

Chain 0



Chain 1



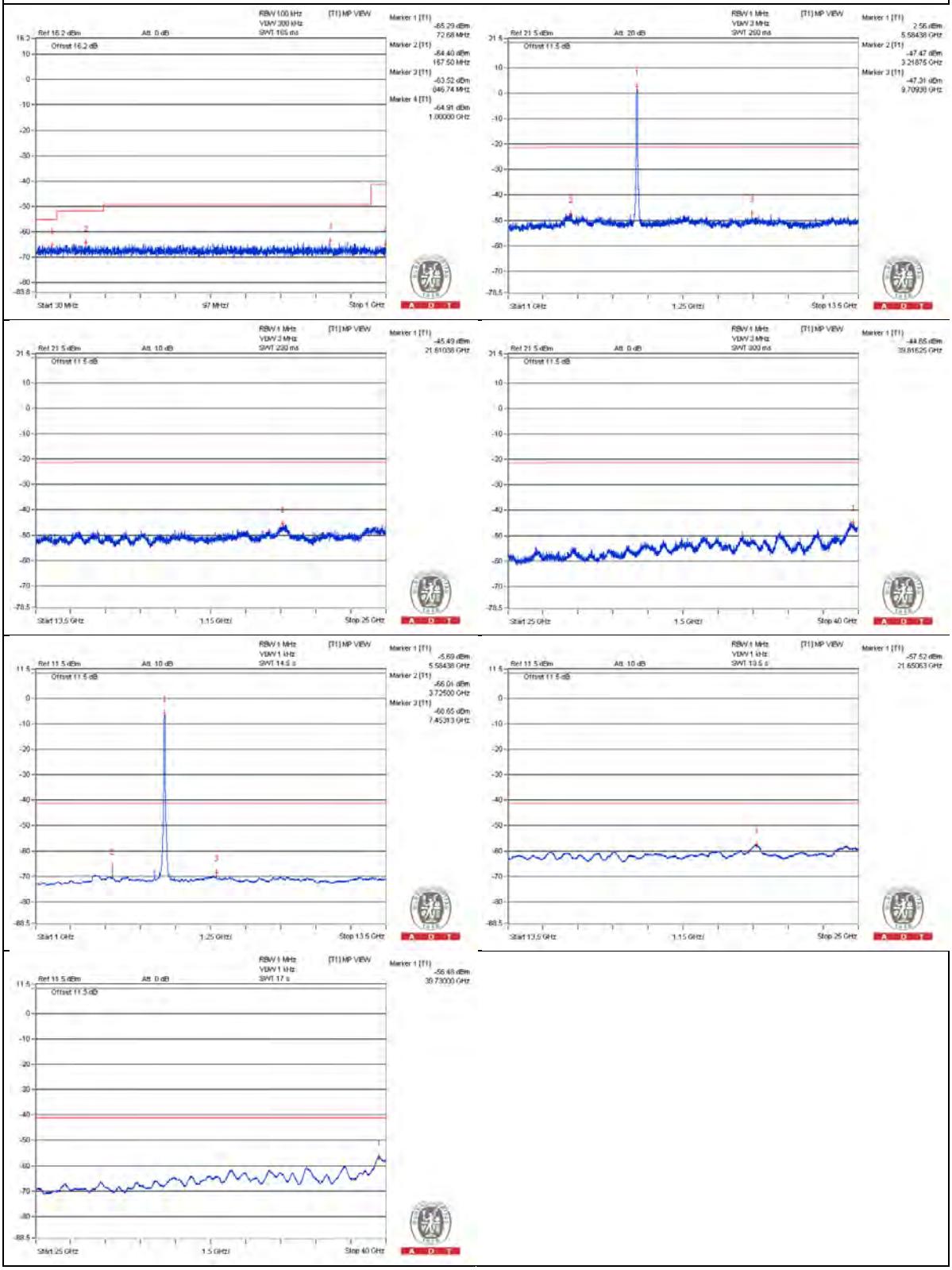
802.11ac (VHT40) - Channel 118

Conducted spurious emission table

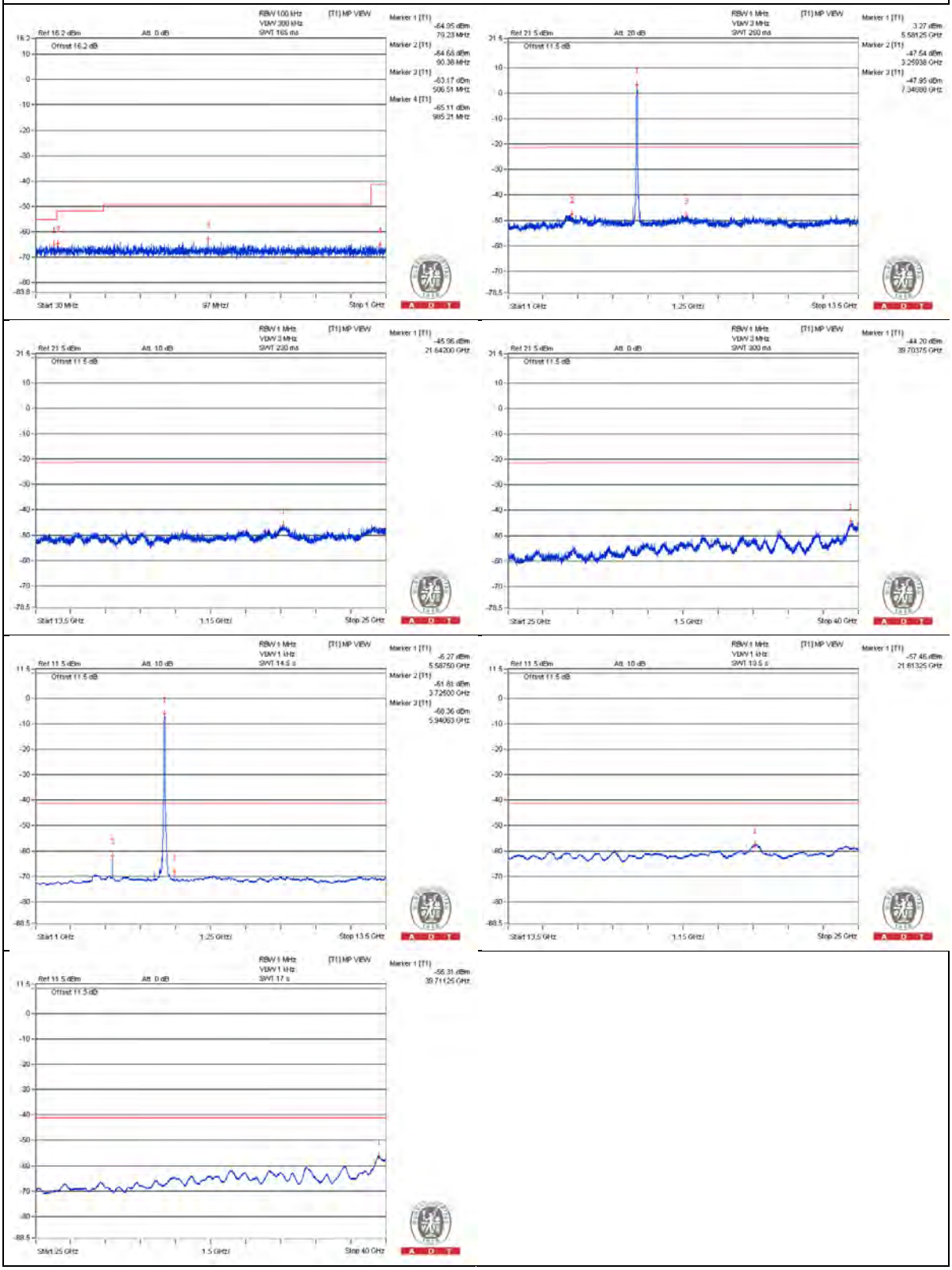
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3709.375 PK	56.7	74	-17.3	-49.69	-49.01	7.77	-38.56
2	3725 AV	42.62	54	-11.38	-66.01	-61.81	7.77	-52.64
3	7437.5 PK	56.99	74	-17.01	-48.73	-49.39	7.77	-38.27
4	7453.125 AV	36.47	54	-17.53	-68.65	-70.73	7.77	-58.79
5	11196.875 PK	55.13	74	-18.87	-50.75	-51.08	7.77	-40.13
6	11187.5 AV	34.45	54	-19.55	-71.75	-71.43	7.77	-60.81
7	16774.625 PK	54.8	74	-19.2	-50.42	-52.26	7.77	-40.46
8	16786.125 AV	43.83	54	-10.17	-62.02	-62.41	7.77	-51.43

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



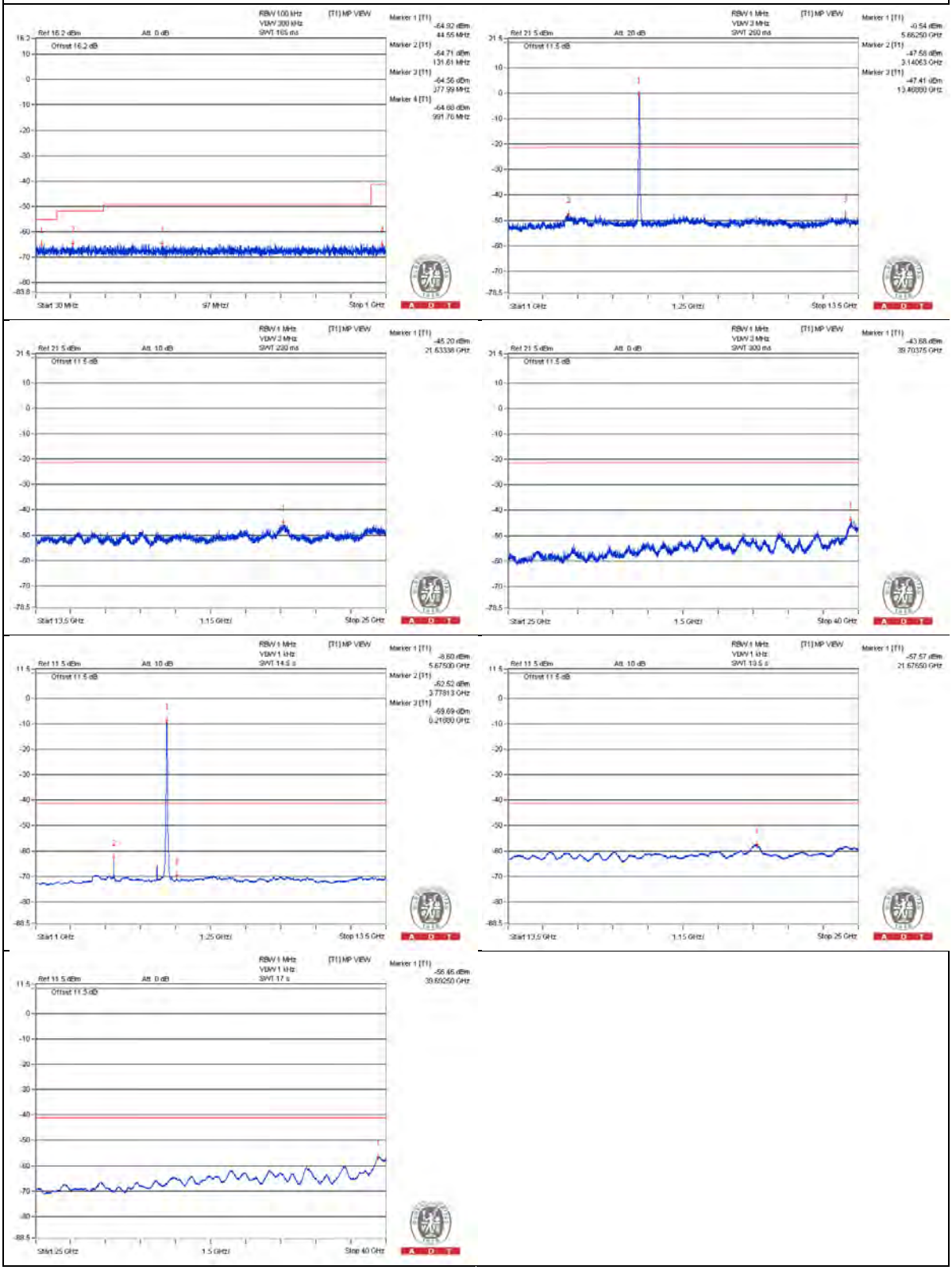
802.11ac (VHT40) - Channel 134

Conducted spurious emission table

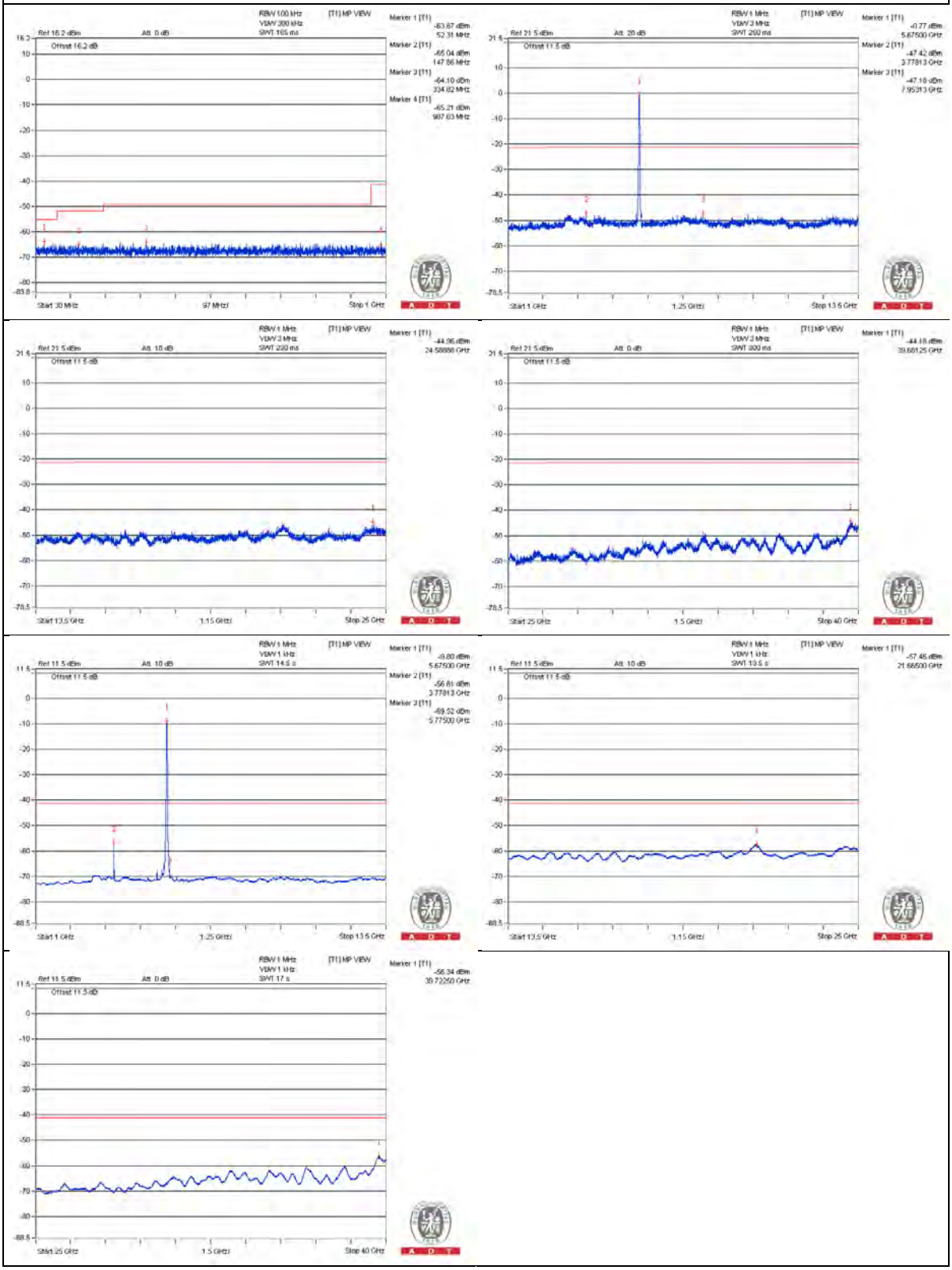
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3778.125 PK	57.58	74	-16.42	-49.82	-47.42	7.77	-37.68
2	3778.125 AV	47.25	54	-6.75	-62.52	-56.81	7.77	-48.01
3	7571.875 PK	56.19	74	-17.81	-49.18	-50.65	7.77	-39.07
4	7559.375 AV	35.62	54	-18.38	-70.05	-70.82	7.77	-59.64
5	11343.75 PK	55.08	74	-18.92	-51.13	-50.79	7.77	-40.18
6	11337.5 AV	34.46	54	-19.54	-71.73	-71.44	7.77	-60.8
7	17001.75 PK	56.85	74	-17.15	-48.32	-50.27	7.77	-38.41
8	16990.25 AV	45.74	54	-8.26	-60.36	-60.24	7.77	-49.52

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1

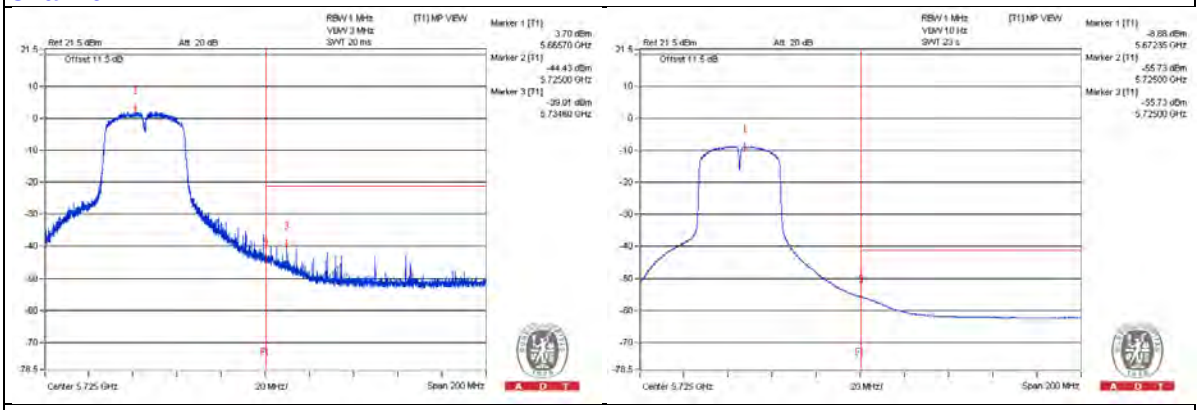


Bandedge table

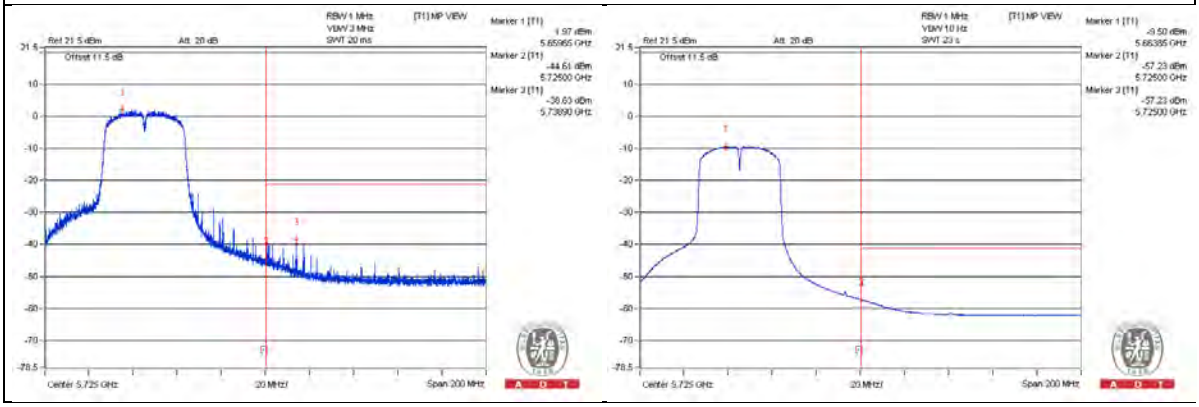
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5725.7 PK	64.9	74	-9.1	-44.7	-39.21	7.77	-30.36
2	5725 AV	49.62	54	-4.38	-55.73	-57.23	7.77	-45.64

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



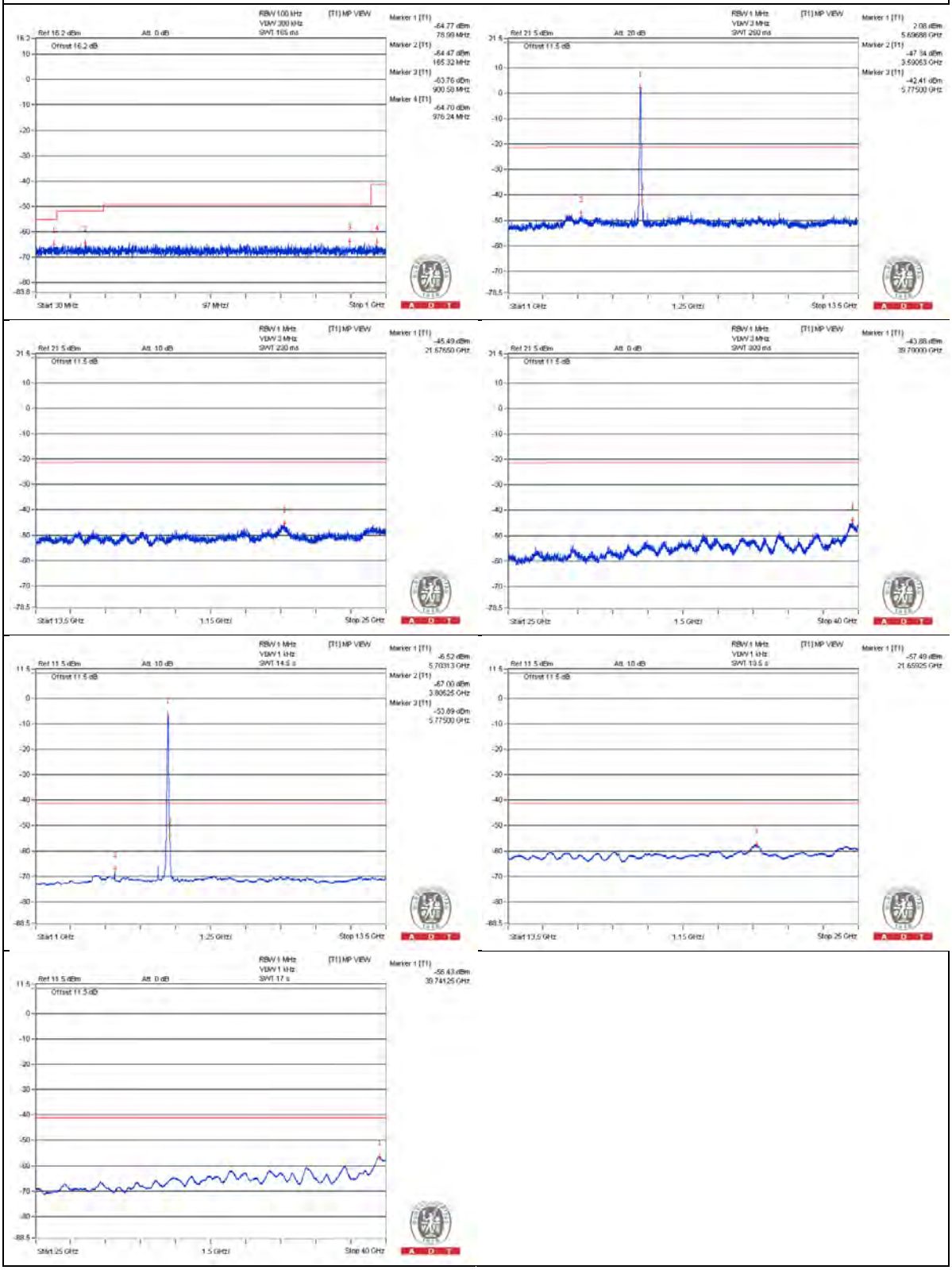
802.11ac (VHT40) - Channel 142

Conducted spurious emission table

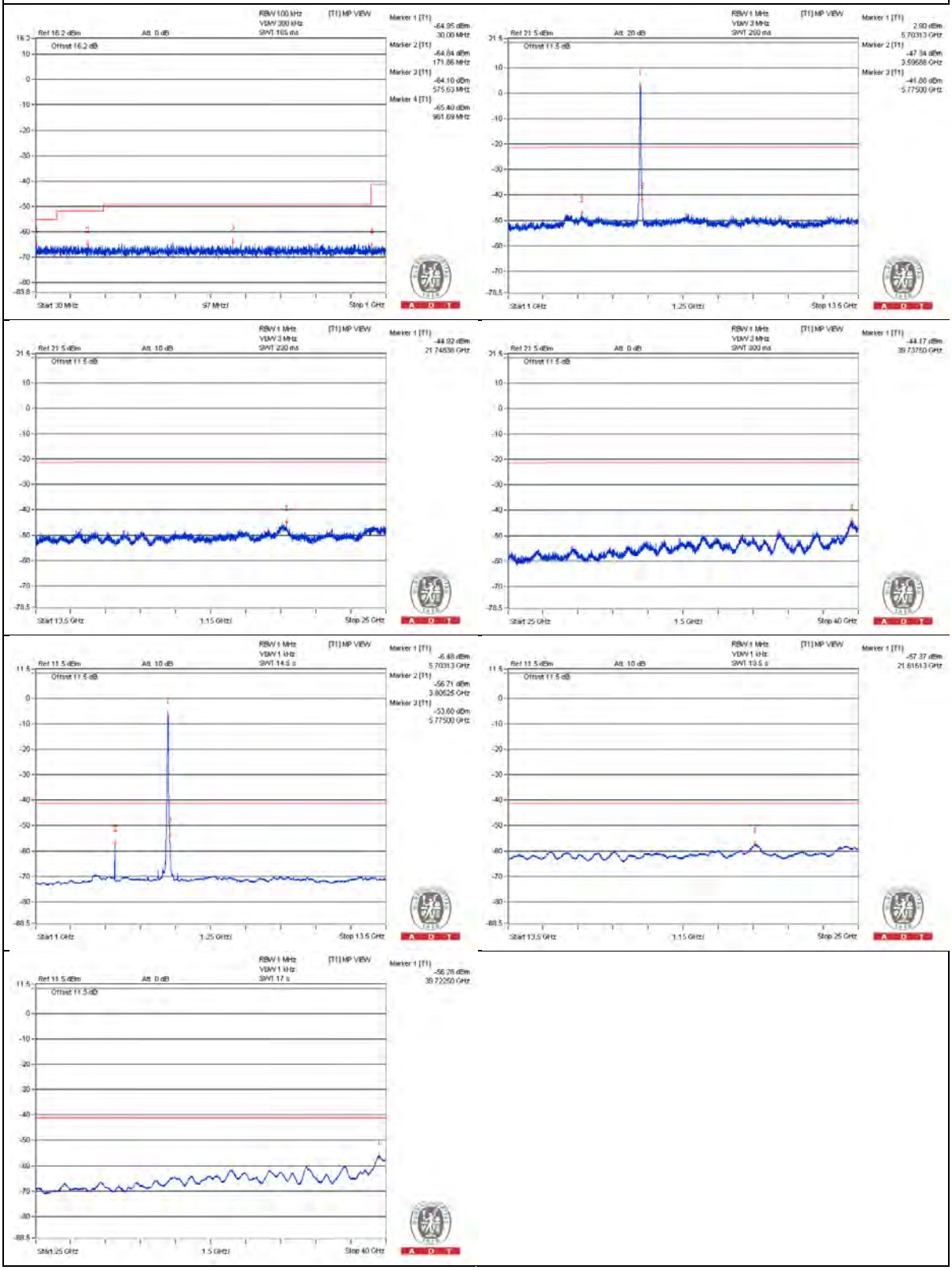
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3806.25 PK	56.82	74	-17.18	-49.92	-48.61	7.77	-38.44
2	3806.25 AV	46.71	54	-7.29	-67	-56.71	7.77	-48.55
3	7612.5 PK	56.43	74	-17.57	-50.84	-48.65	7.77	-38.83
4	7593.75 AV	35.24	54	-18.76	-70.76	-70.84	7.77	-60.02
5	11400 PK	54.87	74	-19.13	-50.42	-52.09	7.77	-40.39
6	11428.125 AV	33.96	54	-20.04	-72.2	-71.97	7.77	-61.3
7	17128.25 PK	55.64	74	-18.36	-50.29	-50.51	7.77	-39.62
8	17122.5 AV	44.43	54	-9.57	-61.22	-62.05	7.77	-50.83

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1

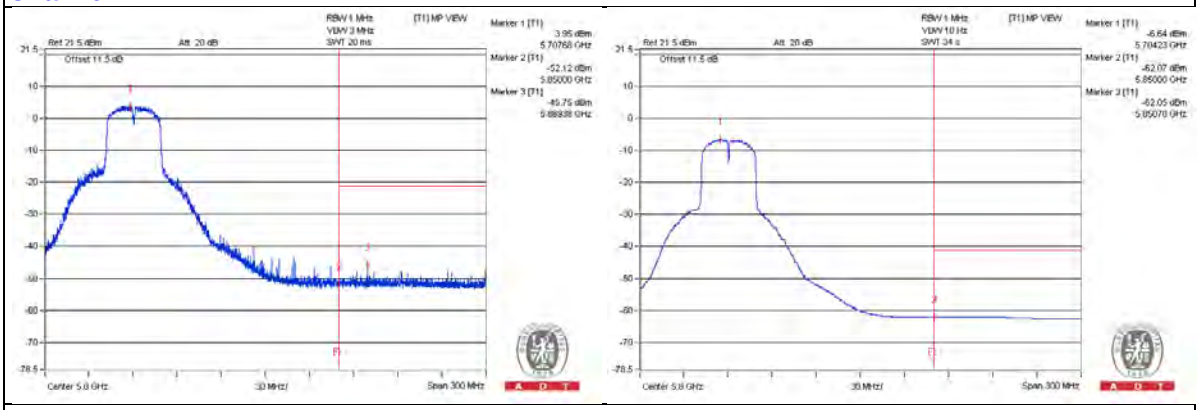


Bandedge table

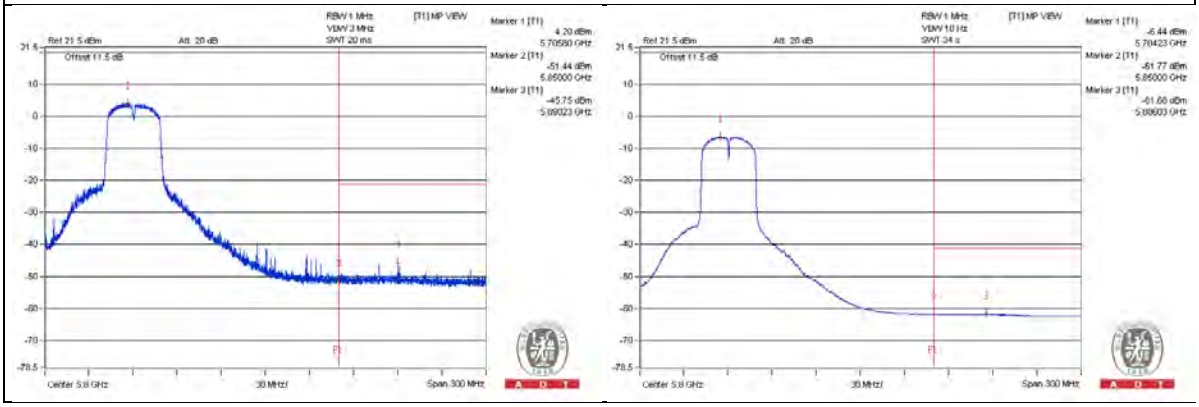
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5850.1 PK	56.63	74	-17.37	-52.17	-47.73	7.77	-38.63
2	5850.025 AV	44.12	54	-9.88	-62.07	-61.77	7.77	-51.14

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



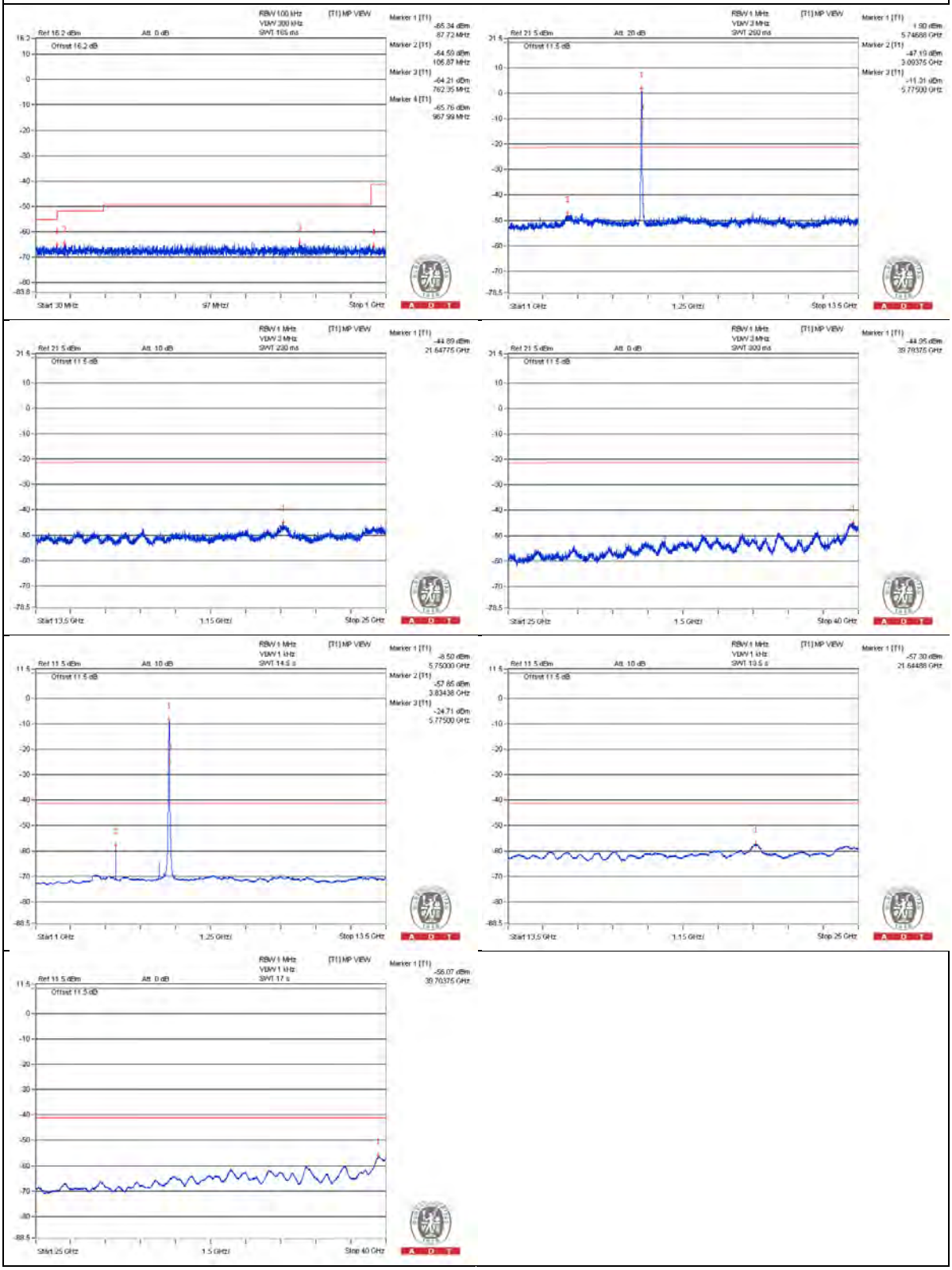
802.11ac (VHT40) - Channel 151

Conducted spurious emission table

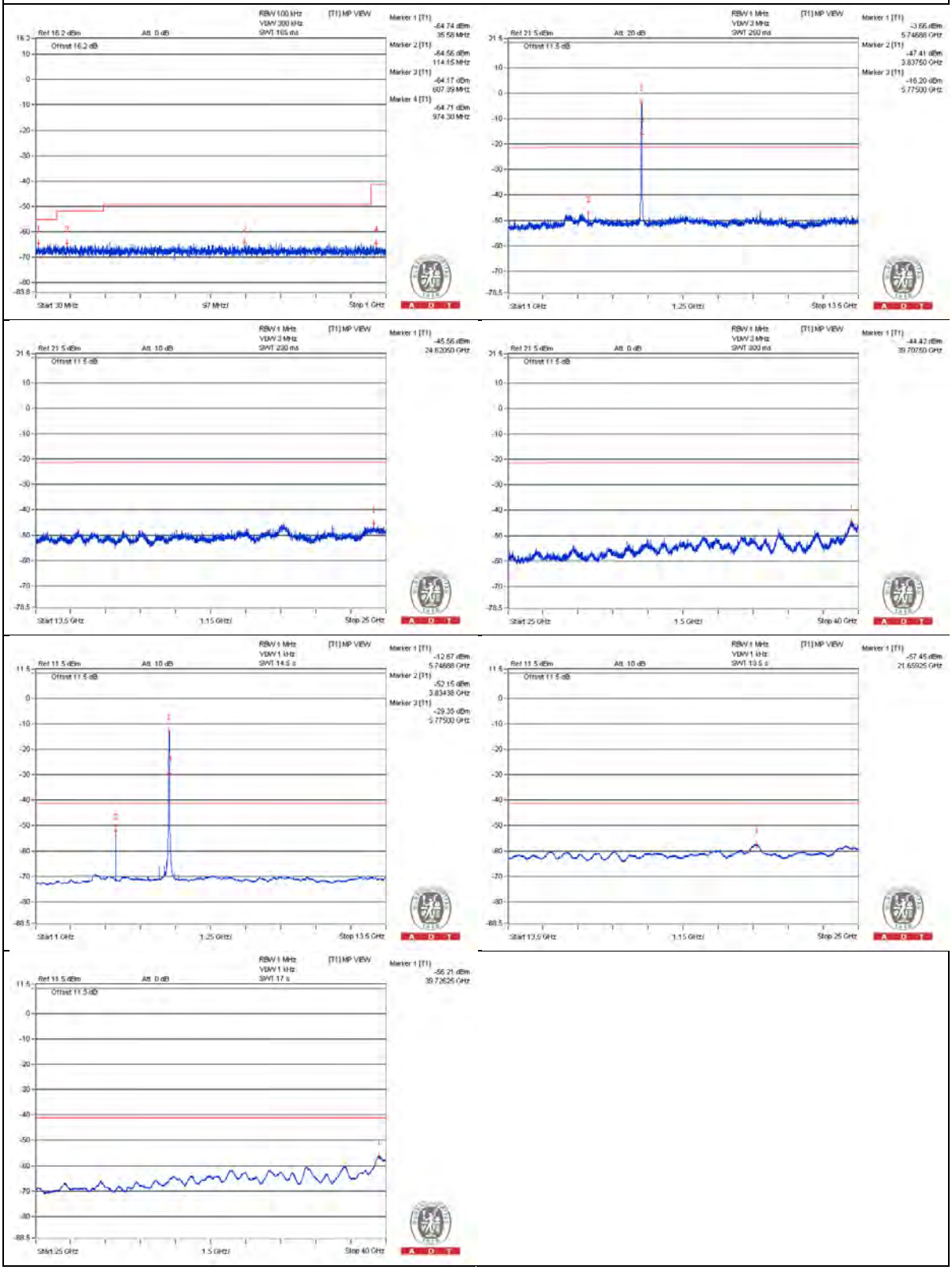
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3837.5 PK	57.64	74	-16.36	-49.68	-47.41	7.77	-37.62
2	3834.375 AV	51.92	54	-2.08	-57.85	-52.15	7.77	-43.34
3	7671.875 PK	56.15	74	-17.85	-50.13	-49.66	7.77	-39.11
4	7671.875 AV	35.49	54	-18.51	-70.39	-70.72	7.77	-59.77
5	11528.125 PK	54.82	74	-19.18	-51.45	-51.01	7.77	-40.44
6	11496.875 AV	33.99	54	-20.01	-72.09	-72.01	7.77	-61.27

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



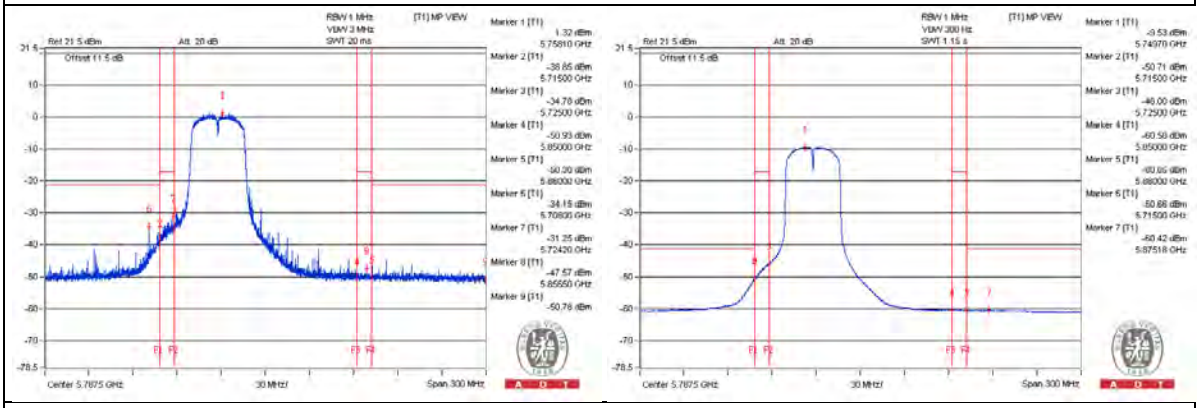
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5714 PK	73.7	74	-0.3	-39.01	-29.83	7.77	-21.56
2	5714.975 AV	55.12	54	* 1.12	-50.71	-51.14	7.77	-40.14
3	5724.2 PK	73.27	78.2	-4.93	-31.25	-35.14	7.77	-21.99
4	5852.375 PK	58.25	78.2	-19.95	-50.14	-46.28	7.77	-37.01
5	5864.975 PK	57.28	74	-16.72	-47.83	-49.94	7.77	-37.98
6	5864.975 AV	45.48	54	-8.52	-60.52	-60.61	7.77	-49.78

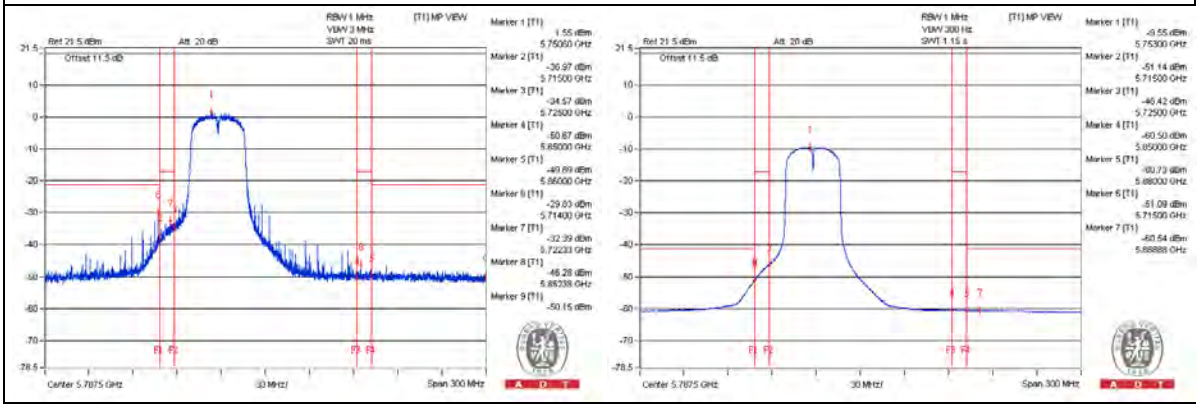
Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)

Chain 0



Chain 1



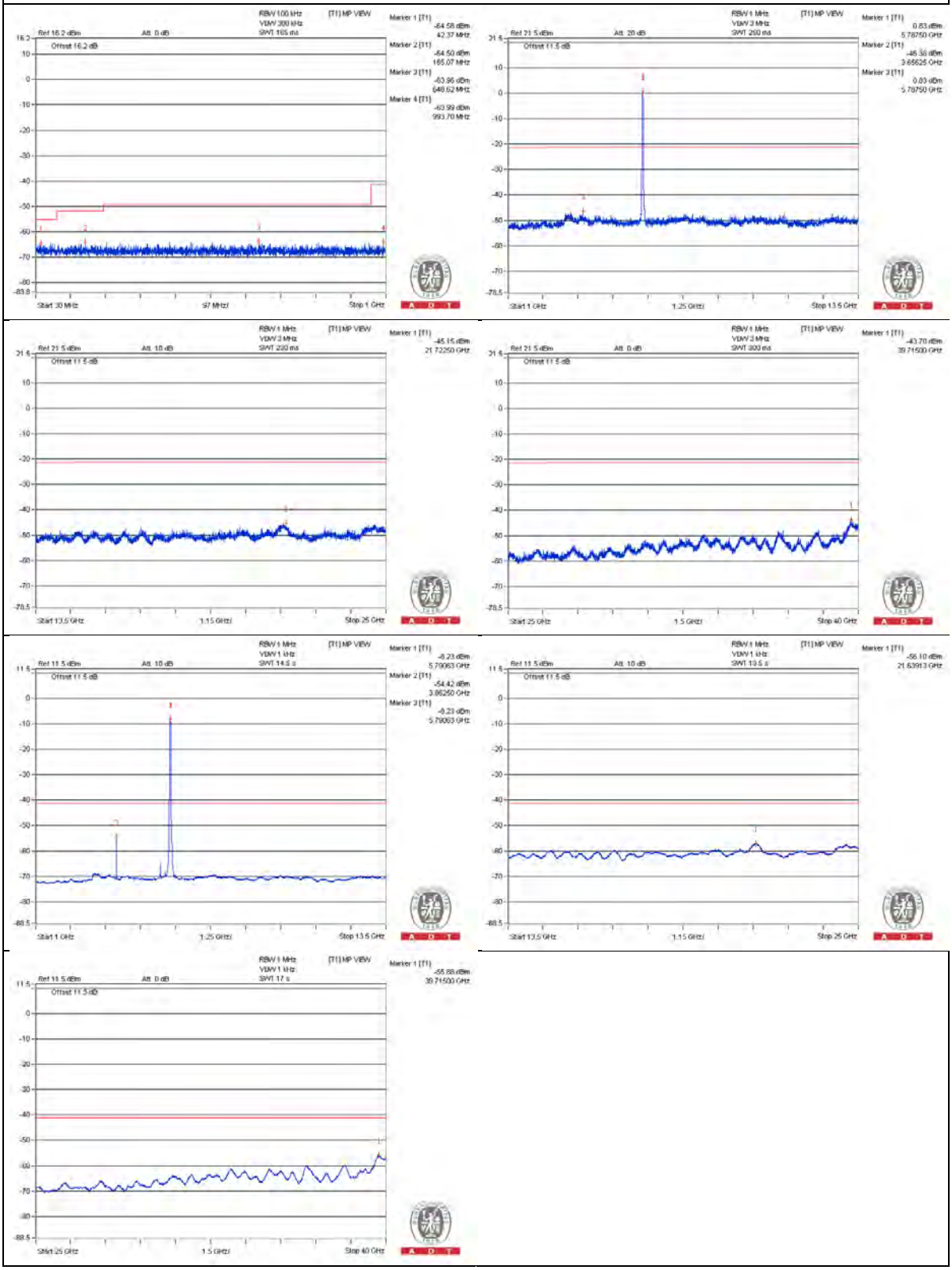
802.11ac (VHT40) - Channel 159

Conducted spurious emission table

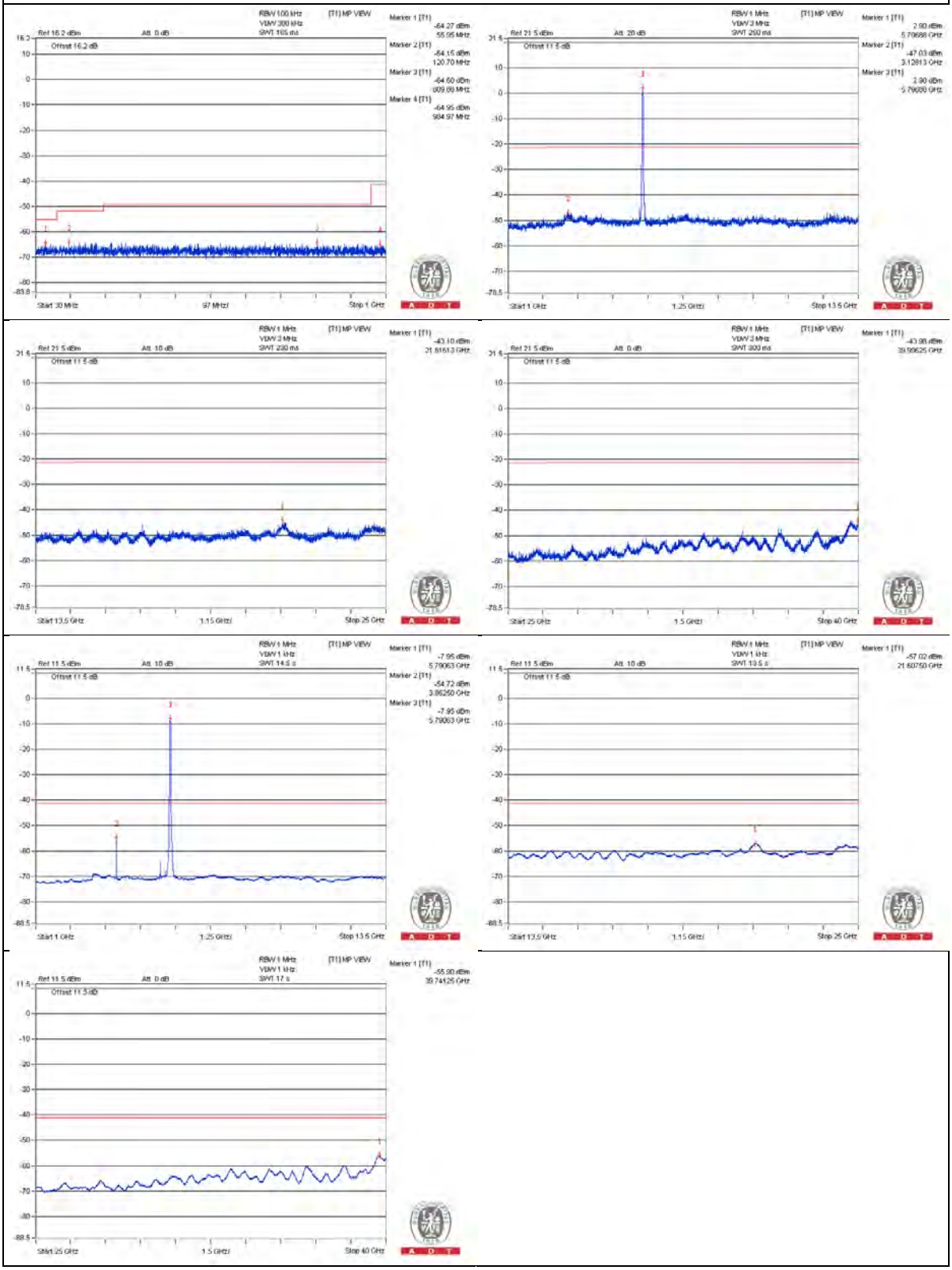
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3862.5 PK	57.26	74	-16.74	-48.72	-48.84	7.77	-38
2	3862.5 AV	51.47	54	-2.53	-54.42	-54.72	7.77	-43.79
3	7712.5 PK	56.92	74	-17.08	-49.51	-48.76	7.77	-38.34
4	7728.125 AV	36.08	54	-17.92	-70.14	-69.78	7.77	-59.18
5	11590.625 PK	54.58	74	-19.42	-51.4	-51.52	7.77	-40.68
6	11609.375 AV	34.09	54	-19.91	-71.94	-71.97	7.77	-61.17

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



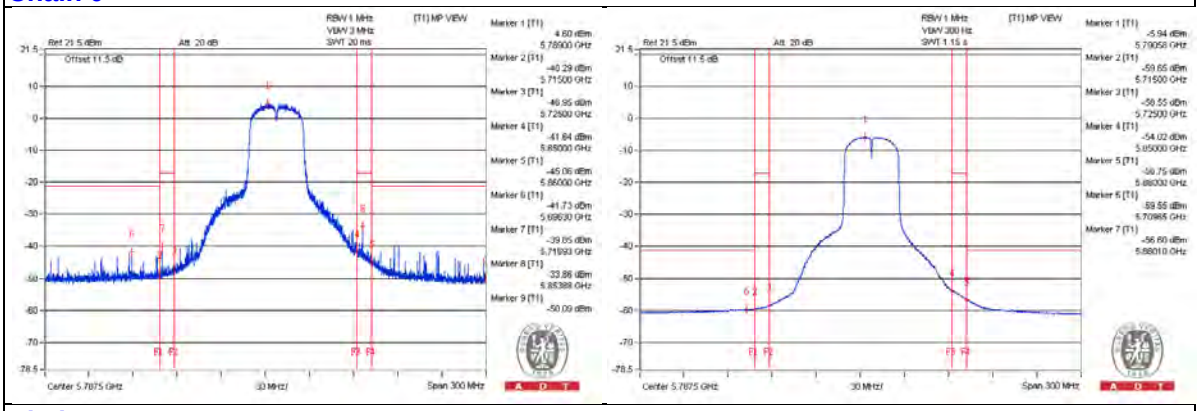
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5713.1 PK	61.9	74	-12.1	-42.83	-46.04	7.77	-33.36
2	5714.75 AV	48.53	54	-5.47	-59.58	-56.11	7.77	-46.73
3	5721.575 PK	65.38	78.2	-12.82	-47.98	-38.07	7.77	-29.88
4	5853.875 PK	71.58	78.2	-6.62	-33.86	-35.15	7.77	-23.68
5	5860.475 PK	67.97	74	-6.03	-45.14	-35.51	7.77	-27.29
6	5860.325 AV	55.12	54	* 1.12	-56.69	-48.53	7.77	-40.14
7	5713.1 PK	61.9	74	-12.1	-42.83	-46.04	7.77	-33.36
8	5714.75 AV	48.53	54	-5.47	-59.58	-56.11	7.77	-46.73

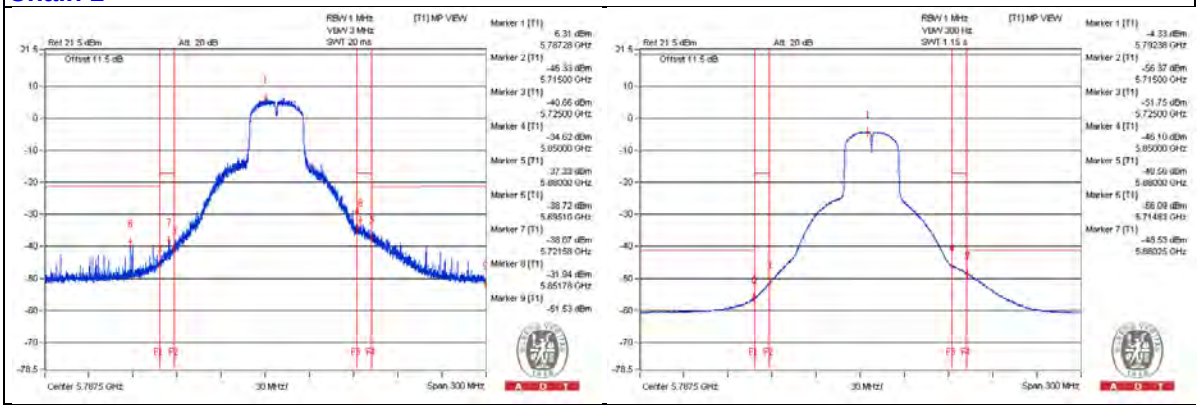
Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)

Chain 0



Chain 1



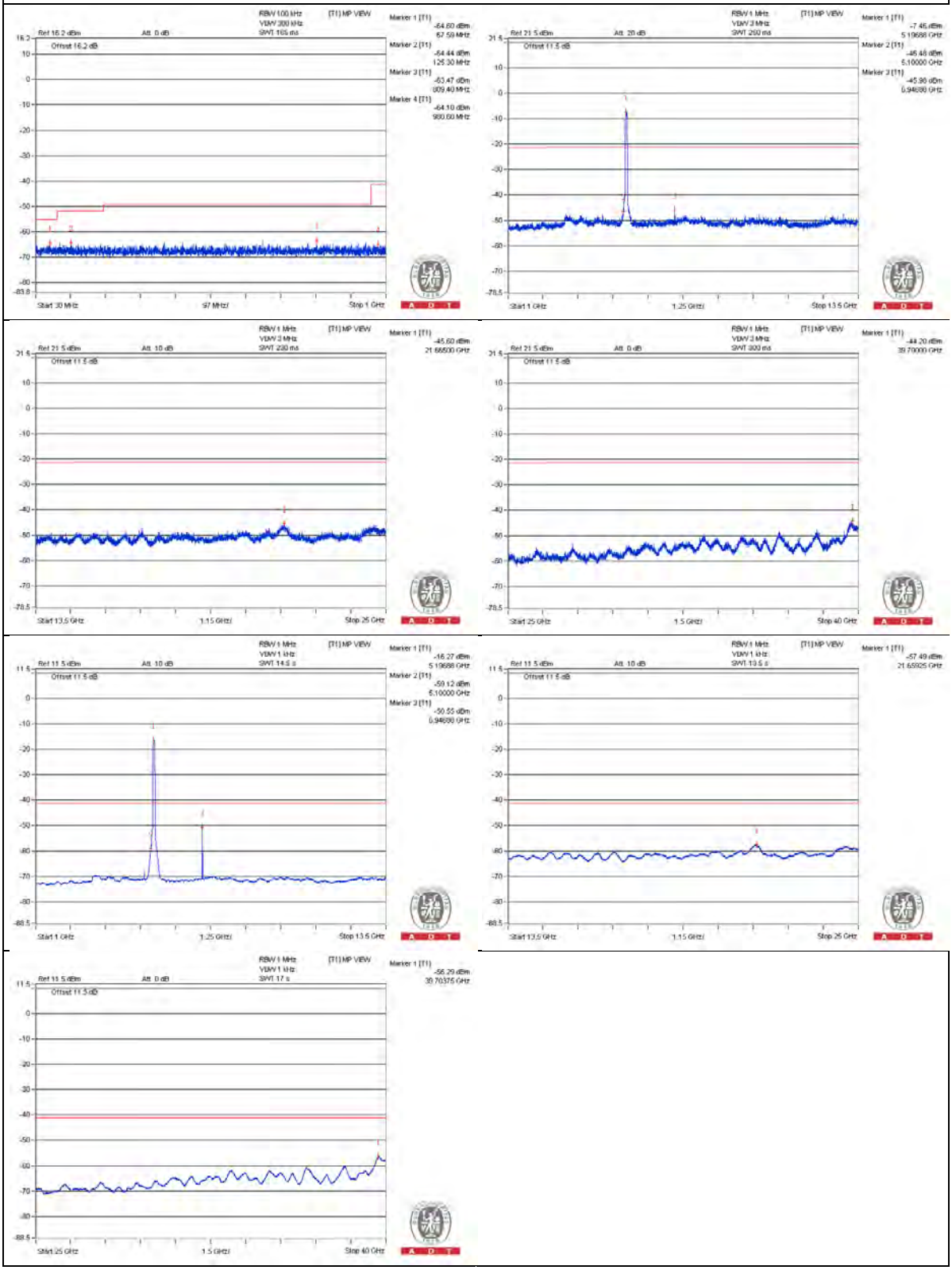
802.11ac (VHT80) - Channel 42

Conducted spurious emission table

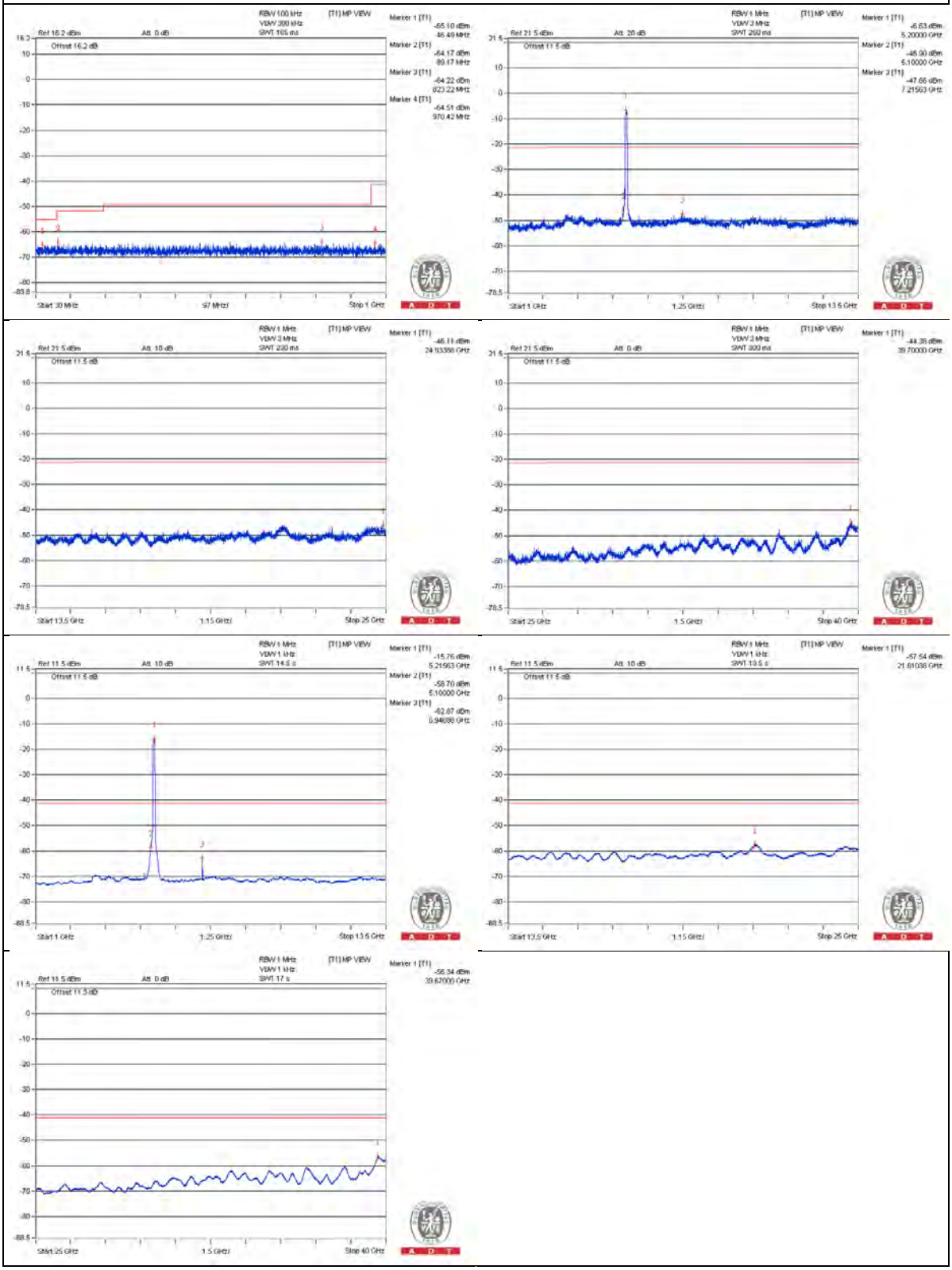
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3478.125 PK	54.45	74	-19.55	-51.03	-49.02	6.09	-40.81
2	3471.875 AV	33.61	54	-20.39	-71.13	-70.41	6.09	-61.65
3	6946.875 PK	56.94	74	-17.06	-45.98	-49.6	6.09	-38.32
4	6946.875 AV	51.05	54	-2.95	-50.55	-62.87	6.09	-44.21
5	10409.375 PK	54.44	74	-19.56	-49.78	-50.07	6.09	-40.82
6	10400 AV	33.18	54	-20.82	-71.12	-71.24	6.09	-62.08
7	15616 PK	52.73	74	-21.27	-51.24	-52.06	6.09	-42.53
8	15633.25 AV	41.53	54	-12.47	-62.82	-62.85	6.09	-53.73

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1

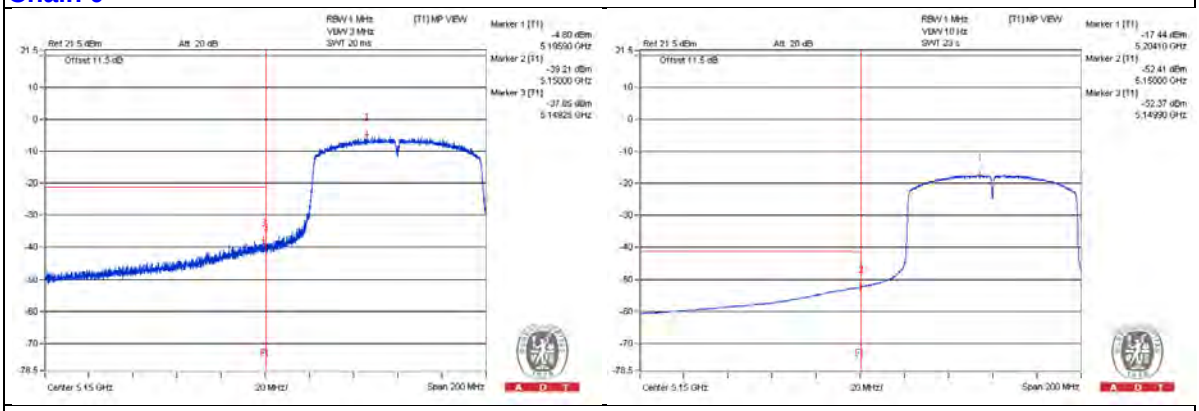


Bandedge table

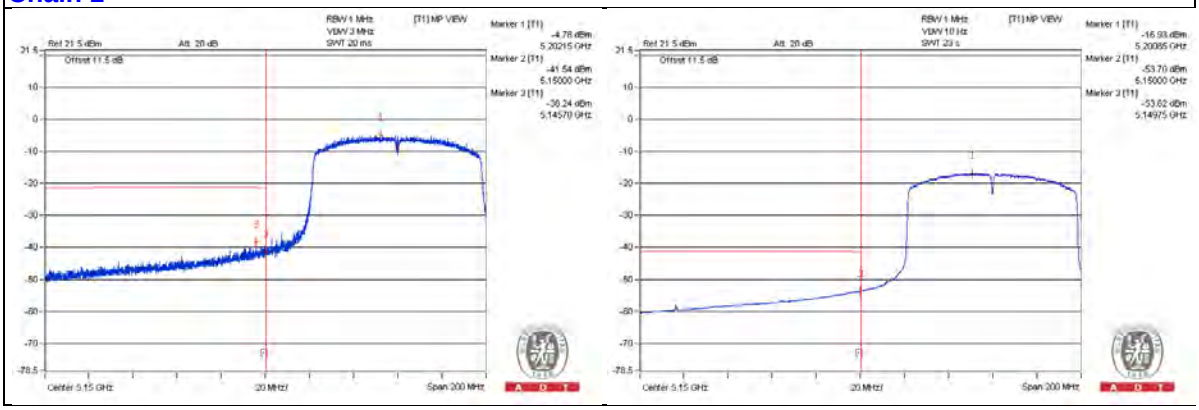
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5149.25 PK	64.91	74	-9.09	-37.85	-42.02	6.09	-30.35
2	5149.9 AV	51.38	54	-2.62	-52.37	-53.7	6.09	-43.88

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



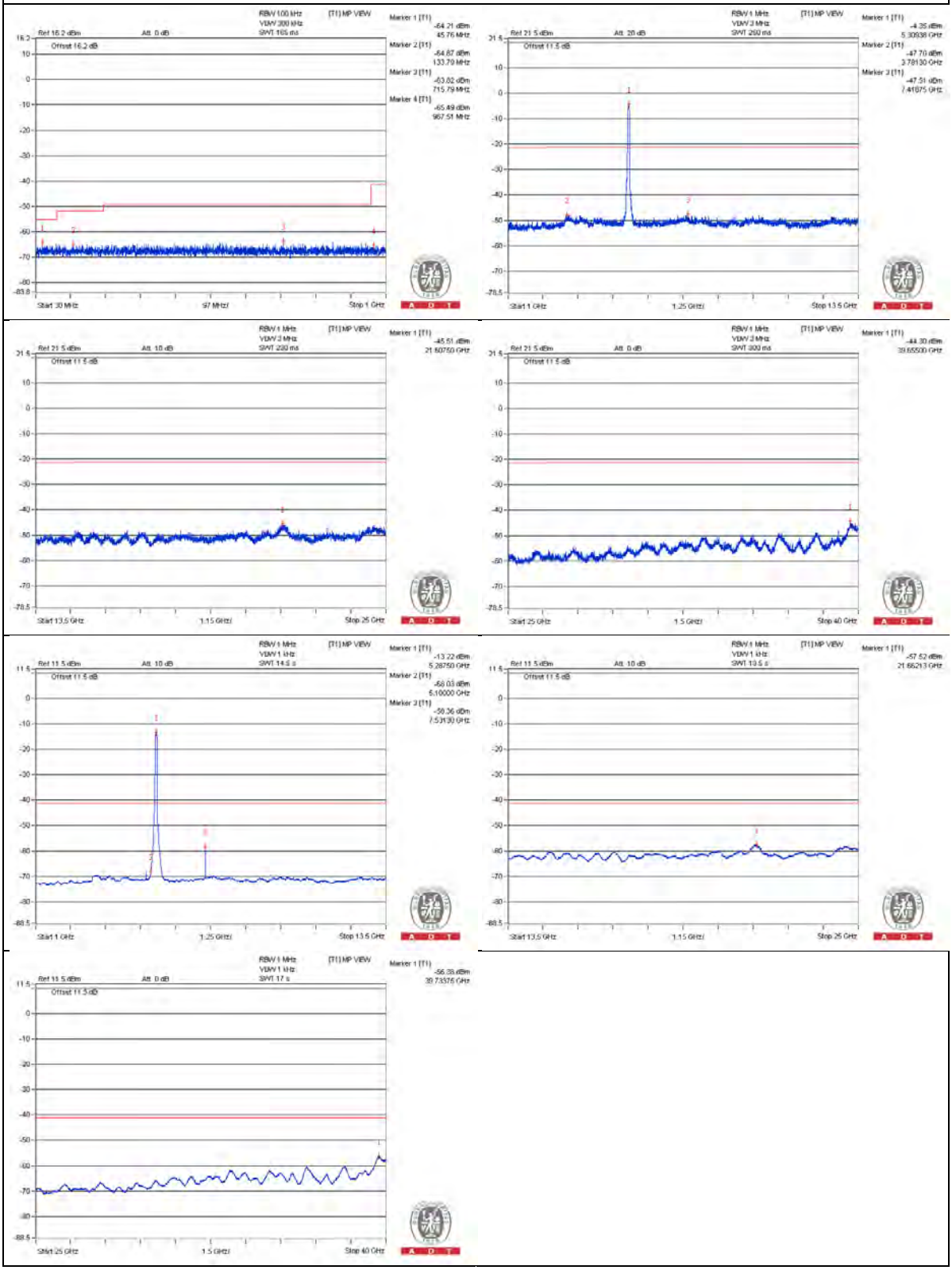
802.11ac (VHT80) - Channel 58

Conducted spurious emission table

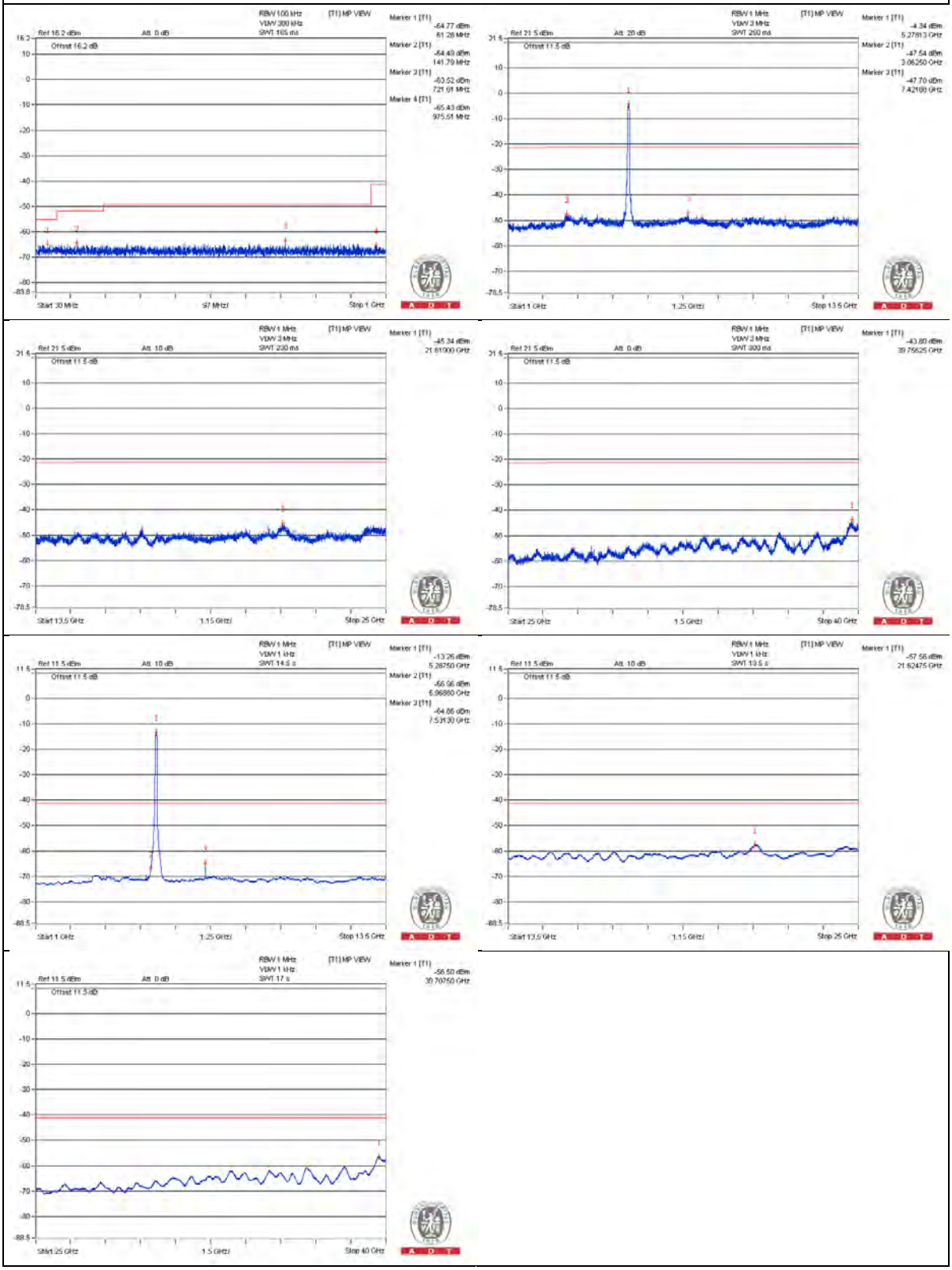
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3537.5 PK	54.88	74	-19.12	-48.25	-51.19	6.09	-40.38
2	3525 AV	34.47	54	-19.53	-70.35	-69.48	6.09	-60.79
3	7053.125 PK	55.34	74	-18.66	-48.41	-49.72	6.09	-39.92
4	7053.125 AV	43.87	54	-10.13	-58.36	-64.86	6.09	-51.39
5	10600 PK	53.59	74	-20.41	-50.29	-51.3	6.09	-41.67
6	10565.625 AV	33.36	54	-20.64	-71.15	-70.86	6.09	-61.9
7	15877.625 PK	54.21	74	-19.79	-50.43	-49.89	6.09	-41.05
8	15874.75 AV	42.82	54	-11.18	-61.47	-61.62	6.09	-52.44

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1

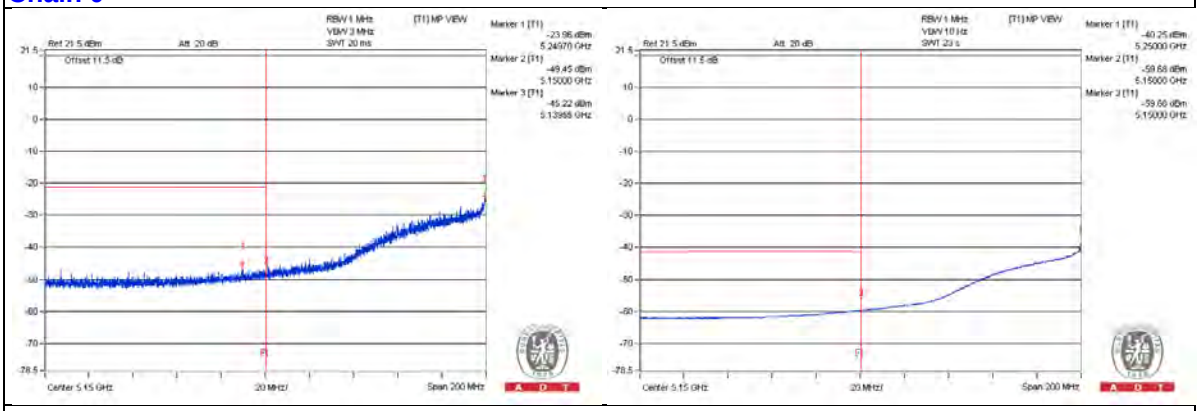


Bandedge table

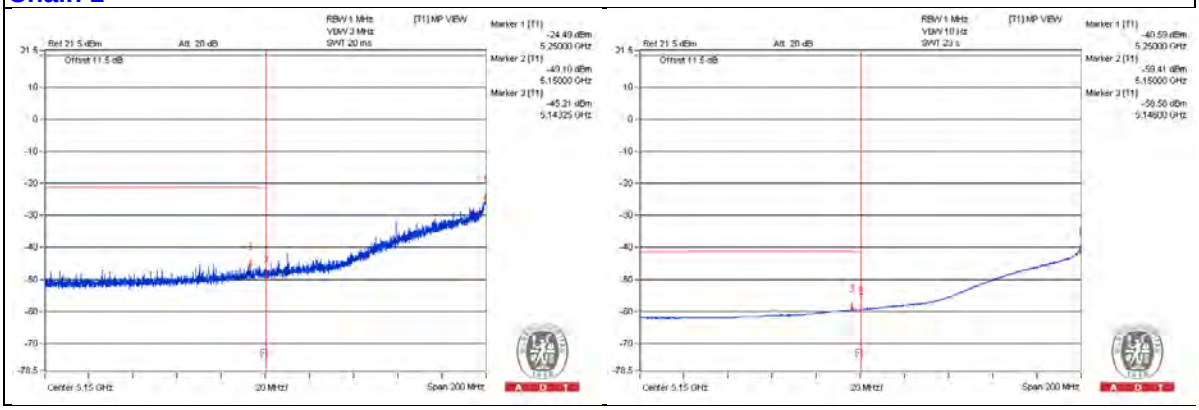
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5350.25 PK	66.03	74	-7.97	-36.15	-42.91	6.09	-29.23
2	5350.1 AV	51.04	54	-2.96	-52.43	-54.44	6.09	-44.22

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



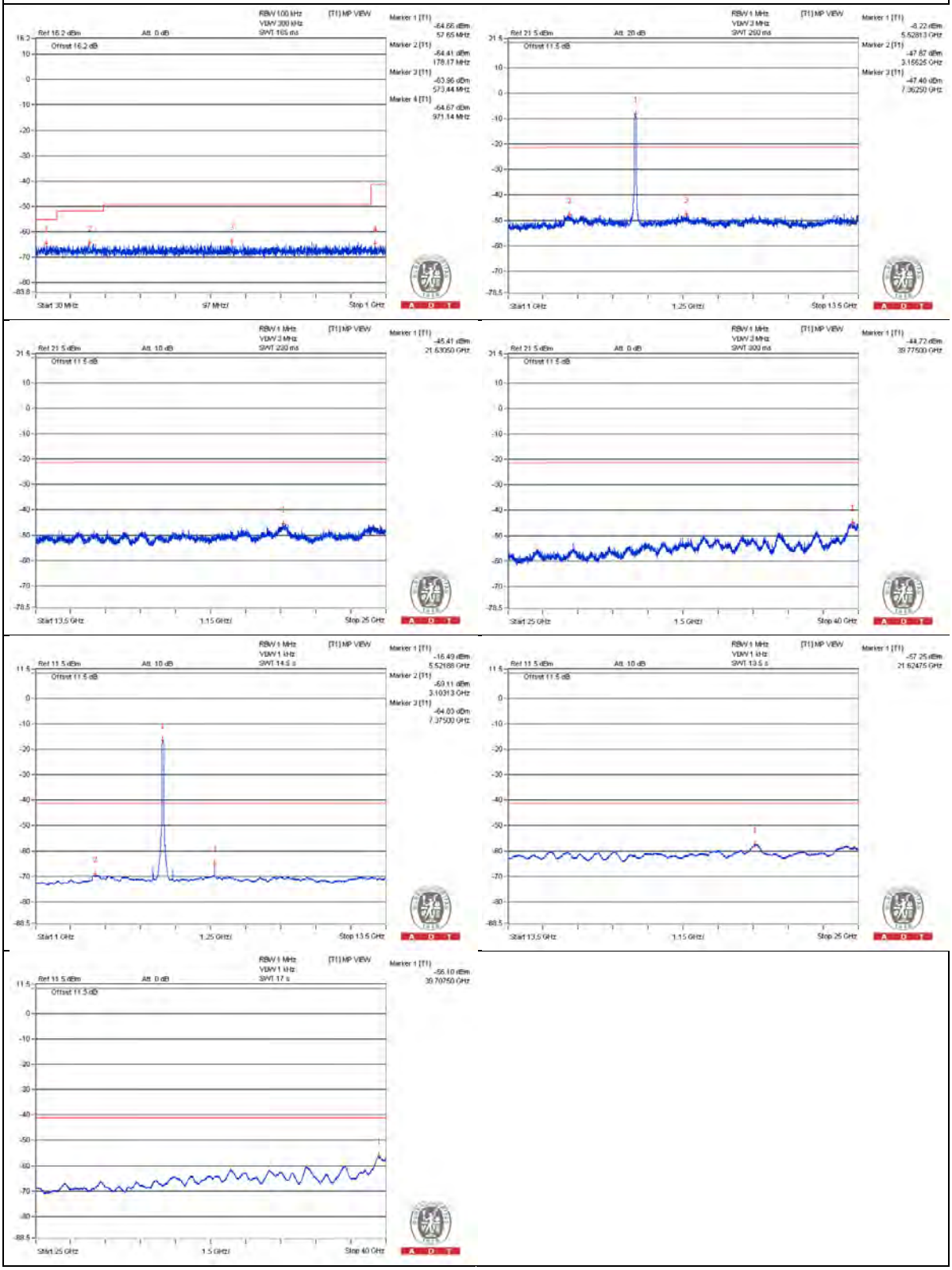
802.11ac (VHT80) - Channel 106

Conducted spurious emission table

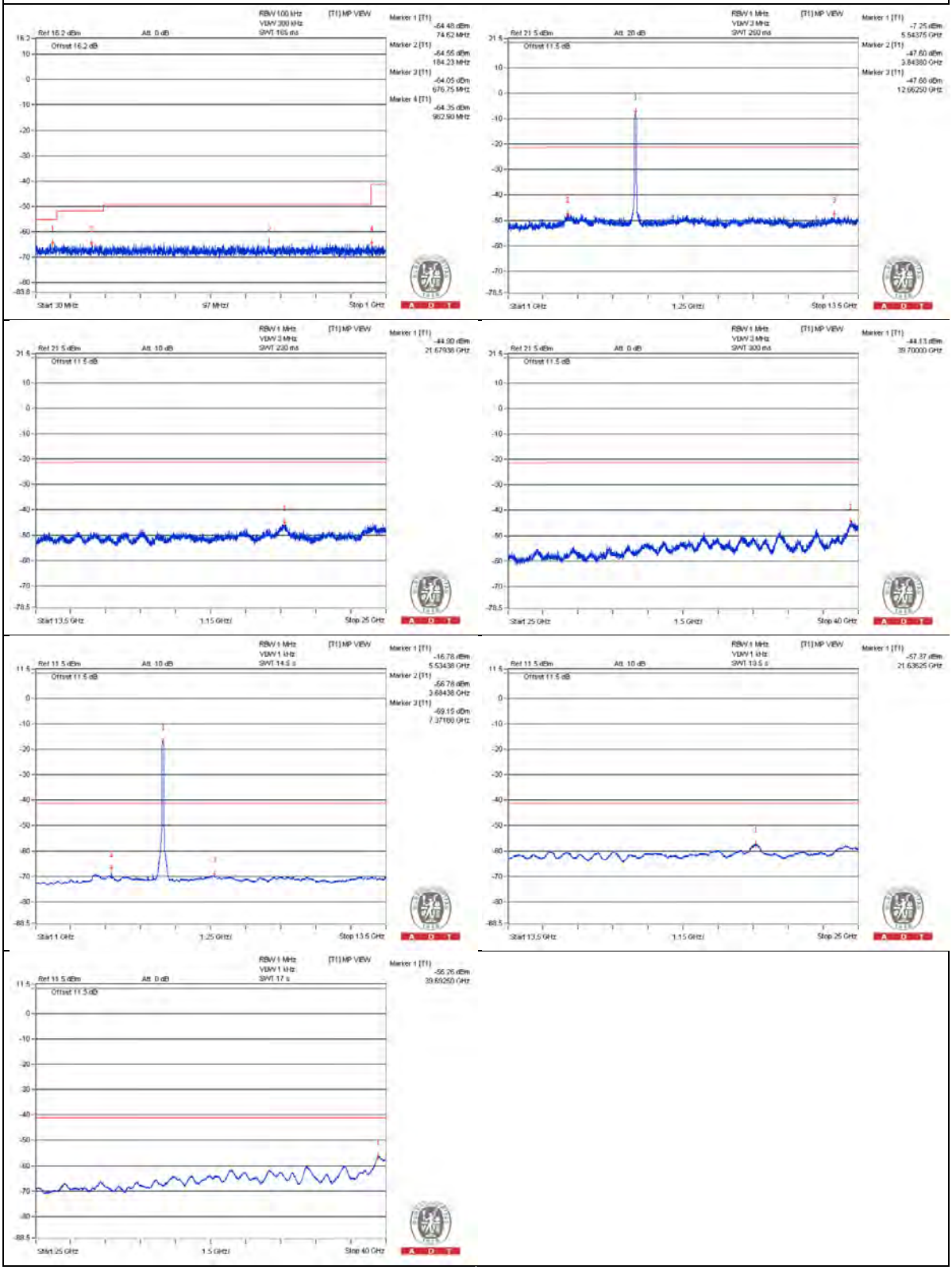
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3687.5 PK	56.7	74	-17.3	-48.53	-50.33	7.77	-38.56
2	3684.375 AV	37.72	54	-16.28	-70.72	-66.78	7.77	-57.54
3	7362.5 PK	57.53	74	-16.47	-47.48	-49.86	7.77	-37.73
4	7375 AV	39.56	54	-14.44	-64.83	-69.18	7.77	-55.7
5	11043.75 PK	54.88	74	-19.12	-50.73	-51.64	7.77	-40.38
6	11056.25 AV	33.98	54	-20.02	-72.14	-71.98	7.77	-61.28
7	16573.375 PK	53.75	74	-20.25	-51.88	-52.75	7.77	-41.51
8	16582 AV	43.21	54	-10.79	-62.72	-62.95	7.77	-52.05

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1

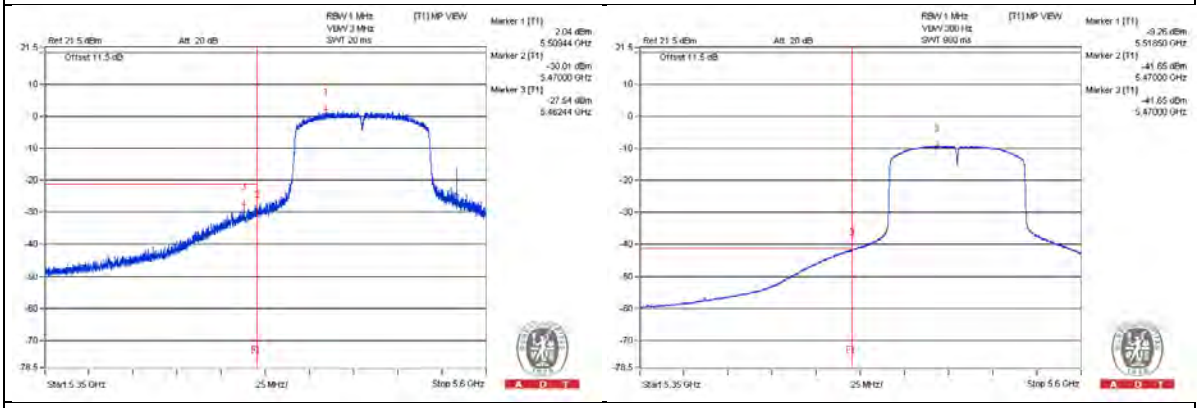


Bandedge table

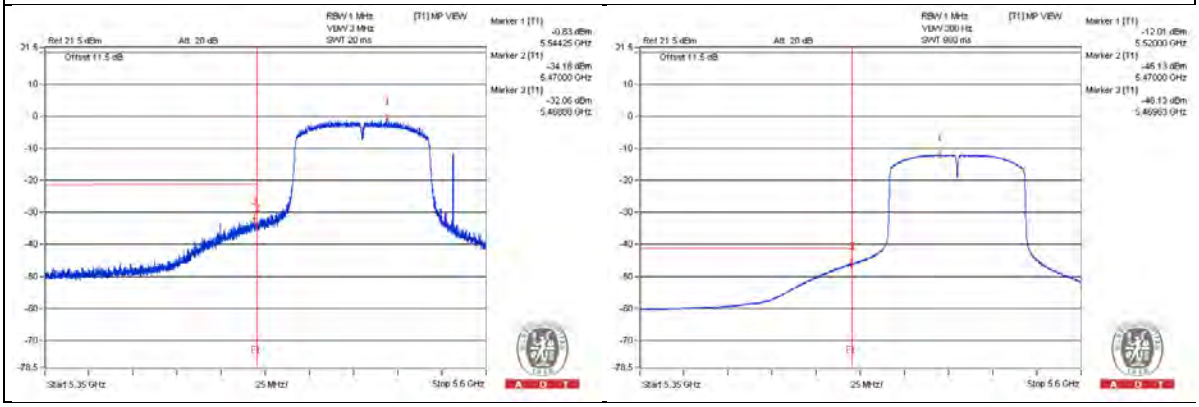
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5468.875 PK	75.87	74	* 1.87	-28.86	-32.06	7.77	-19.39
2	5470 AV	62.7	54	* 8.7	-41.65	-46.13	7.77	-32.56

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.
* The unwanted emission was verified and the test result was passed by radiated measurement.
(Please refer APPENDIX A)

Chain 0



Chain 1



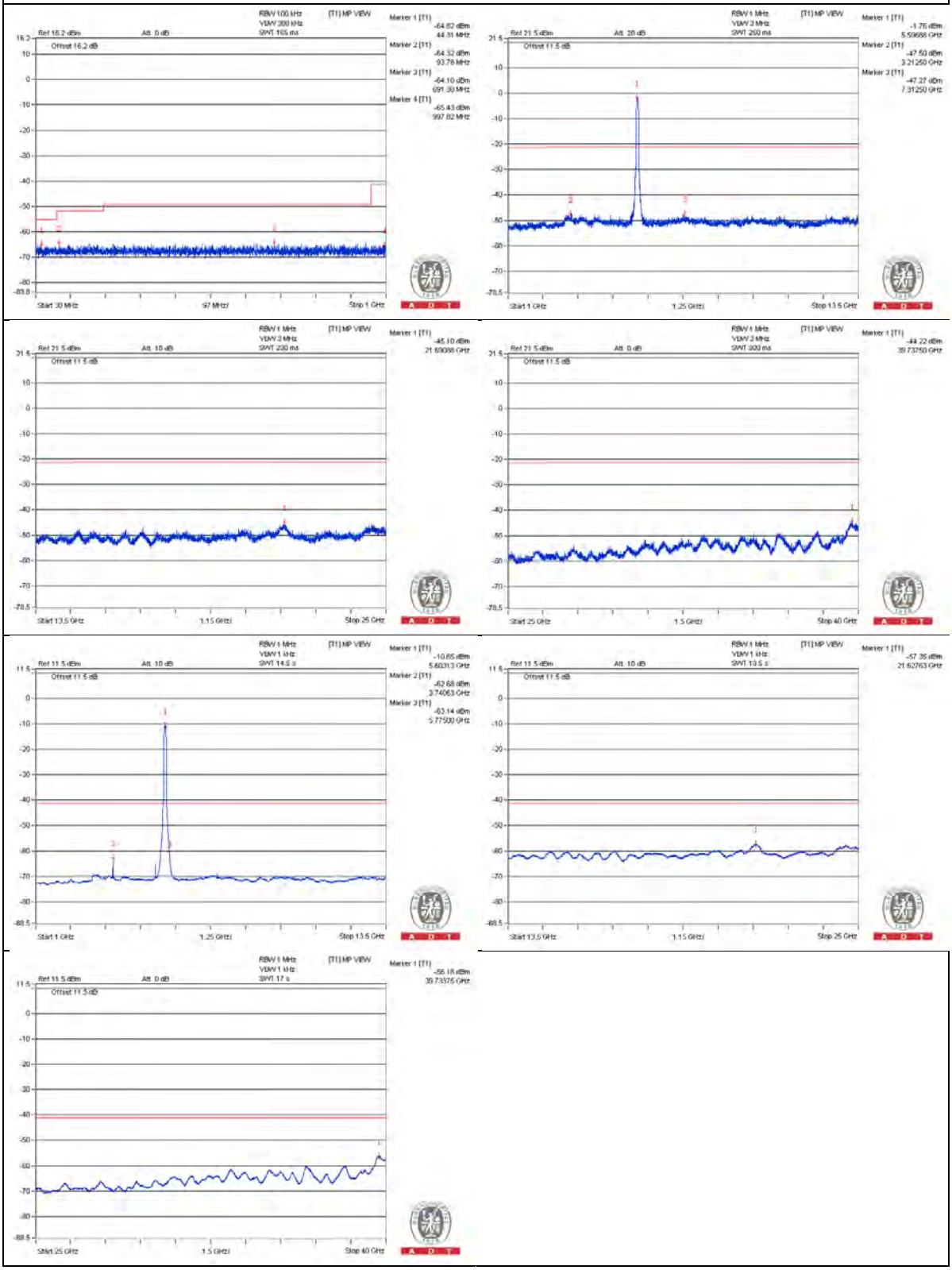
802.11ac (VHT80) - Channel 122

Conducted spurious emission table

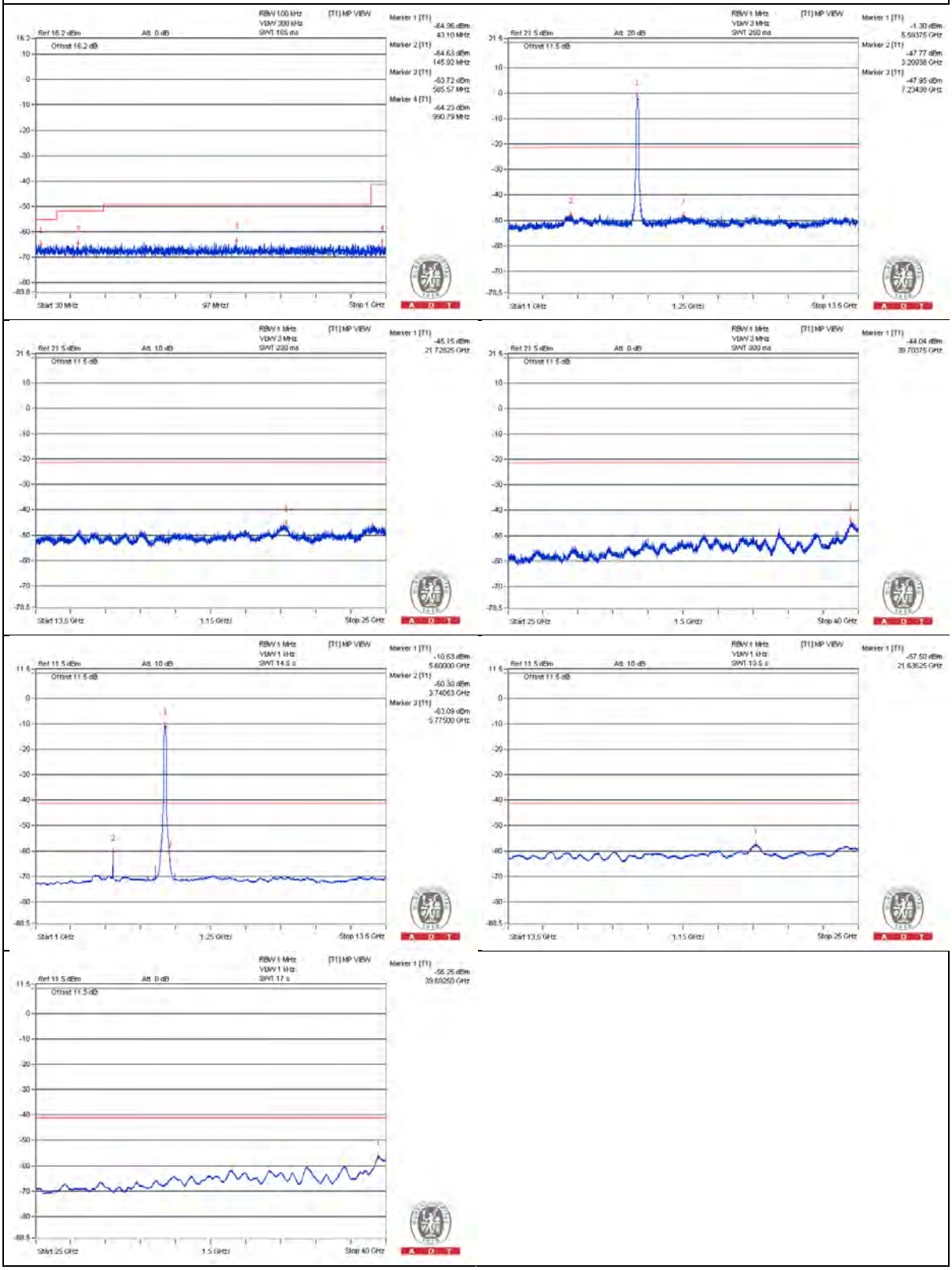
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3737.5 PK	56.4	74	-17.6	-49.45	-49.83	7.77	-38.86
2	3740.625 AV	44.71	54	-9.29	-62.68	-60.3	7.77	-50.55
3	7478.125 PK	56.29	74	-17.71	-50.11	-49.42	7.77	-38.97
4	7481.25 AV	36.35	54	-17.65	-69.13	-70.34	7.77	-58.91
5	11218.75 PK	55.11	74	-18.89	-50.62	-51.26	7.77	-40.15
6	11231.25 AV	34.64	54	-19.36	-71.33	-71.48	7.77	-60.62
7	16823.5 PK	55.26	74	-18.74	-50.1	-51.59	7.77	-40
8	16843.625 AV	44.54	54	-9.46	-61.16	-61.87	7.77	-50.72

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1

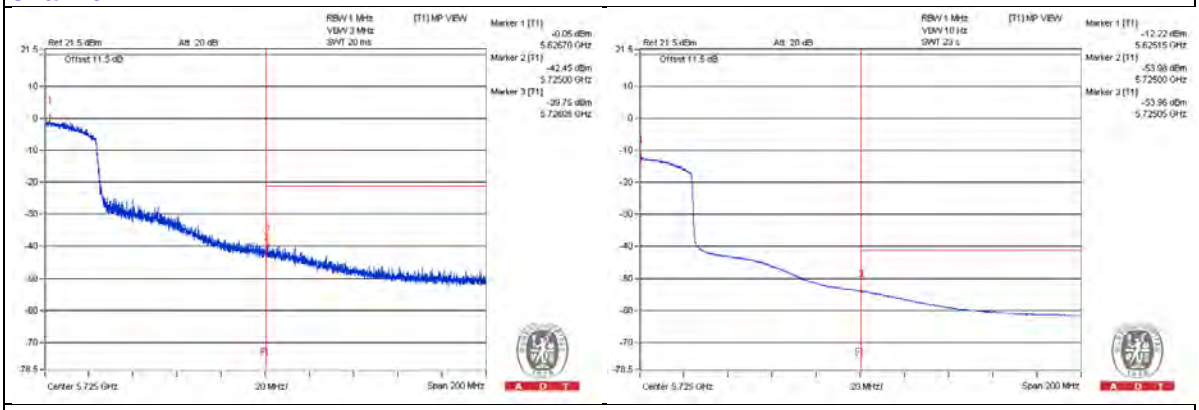


Bandedge table

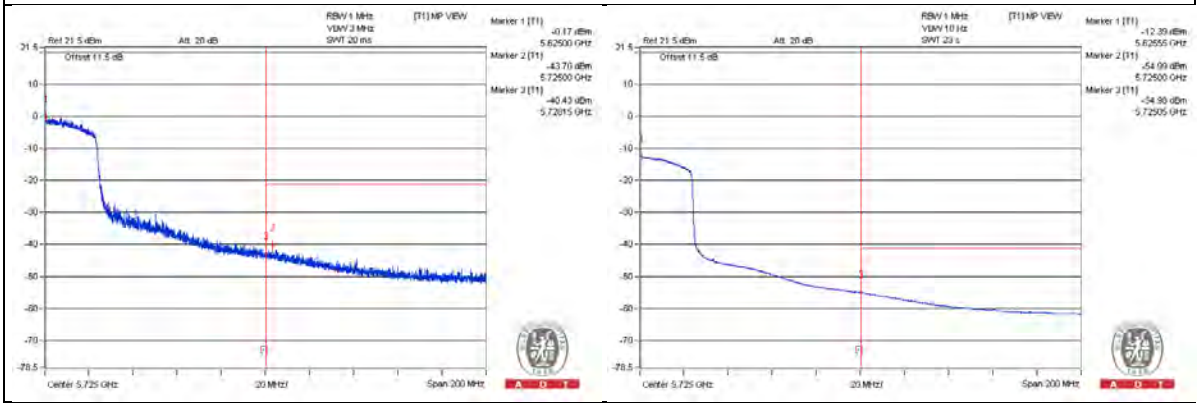
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5725.2 PK	65.2	74	-8.8	-41.13	-40.57	7.77	-30.06
2	5725.05 AV	51.6	54	-2.4	-53.96	-54.98	7.77	-43.66

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



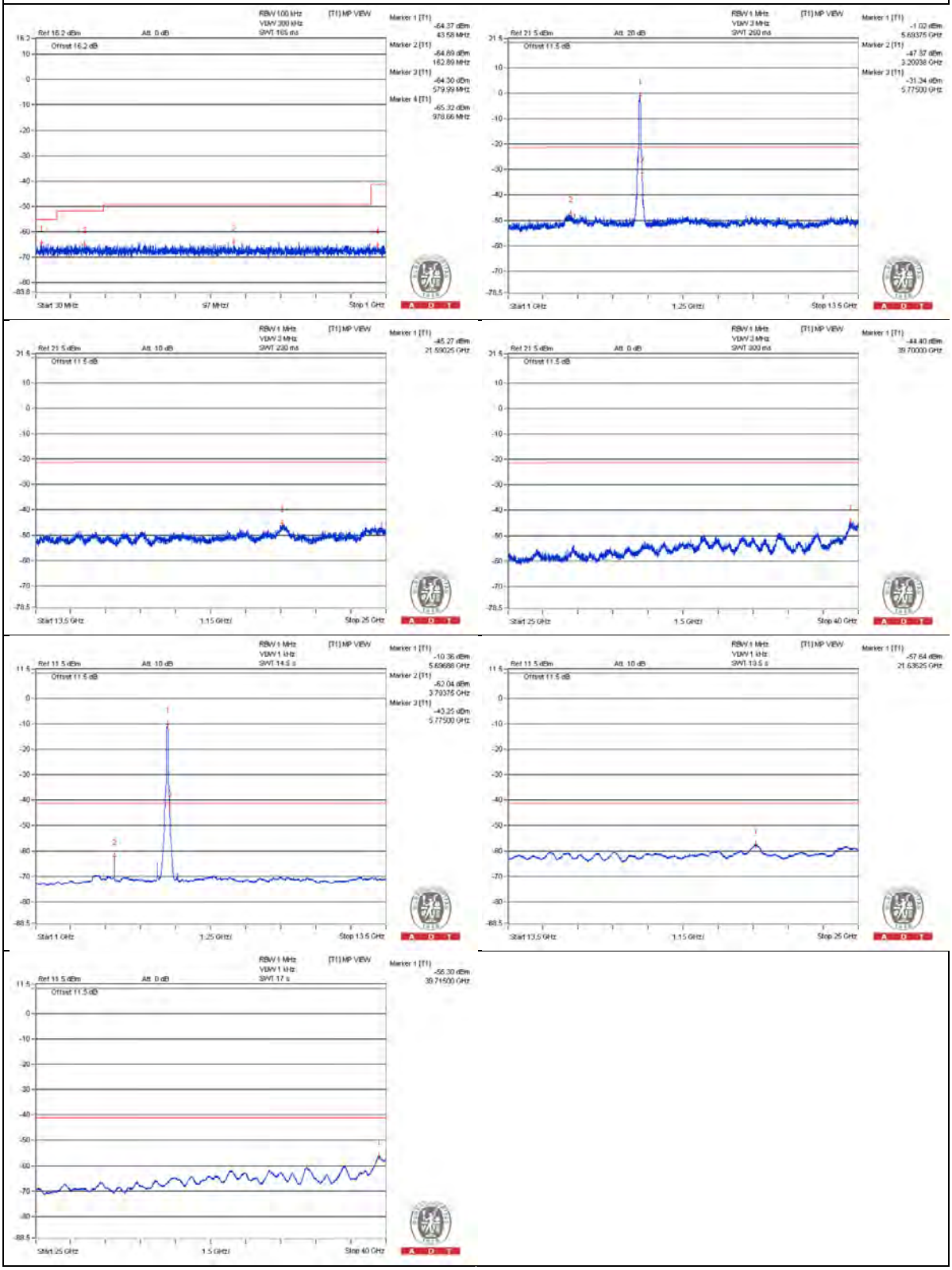
802.11ac (VHT80) - Channel 138

Conducted spurious emission table

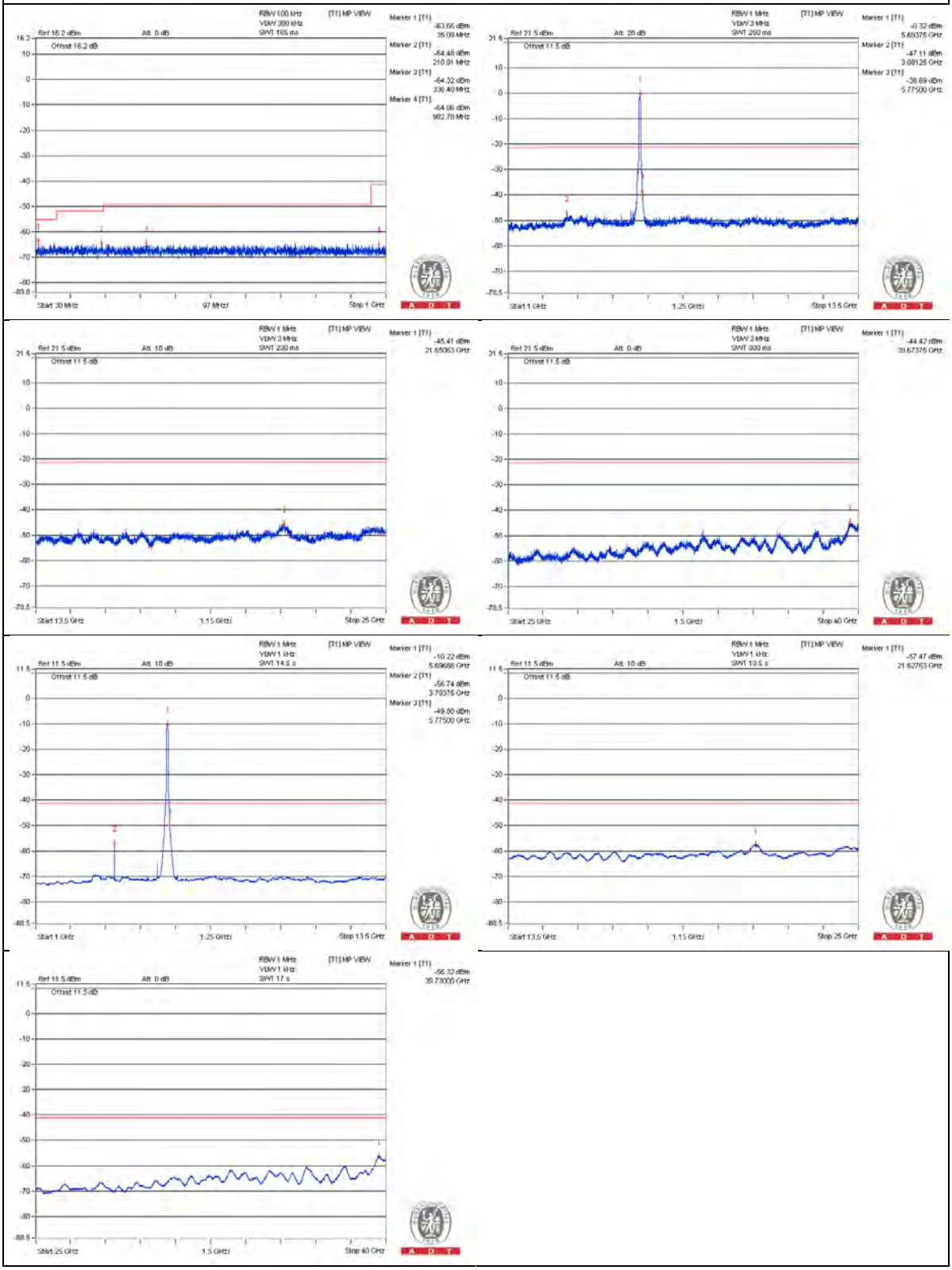
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3793.75 PK	57.35	74	-16.65	-49.97	-47.7	7.77	-37.91
2	3793.75 AV	47.41	54	-6.59	-62.04	-56.74	7.77	-47.85
3	7587.5 PK	56.51	74	-17.49	-49.22	-49.86	7.77	-38.75
4	7587.5 AV	35.44	54	-18.56	-70.31	-70.92	7.77	-59.82
5	11362.5 PK	55.35	74	-18.65	-49.67	-52.04	7.77	-39.91
6	11371.875 AV	34.22	54	-19.78	-71.95	-71.69	7.77	-61.04
7	17053.5 PK	56.52	74	-17.48	-49.23	-49.84	7.77	-38.74
8	17053.5 AV	44.84	54	-9.16	-61.22	-61.19	7.77	-50.42

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1

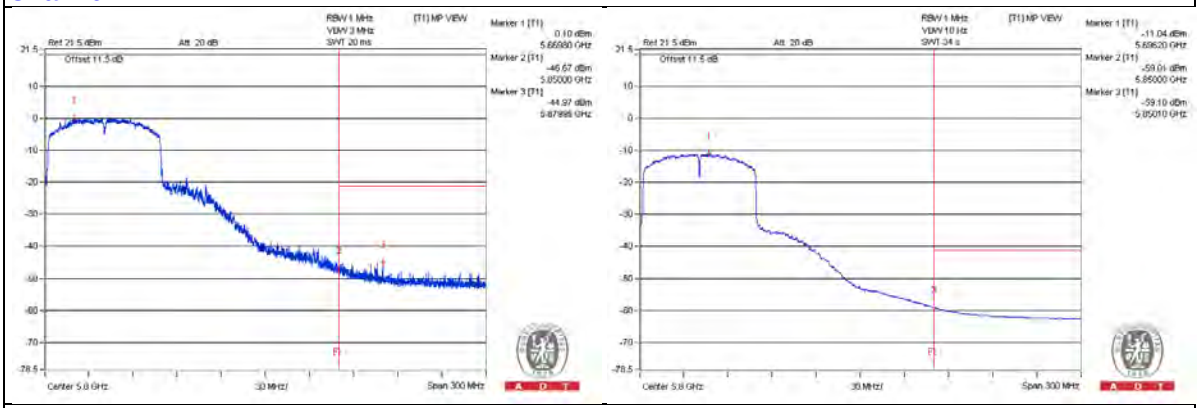


Bandedge table

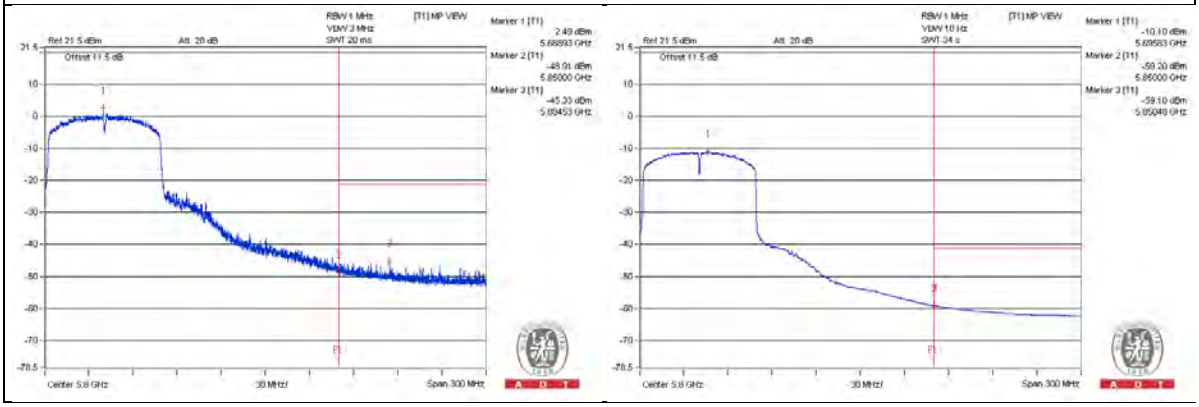
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5851.9 PK	59.53	74	-14.47	-46.09	-46.97	7.77	-35.73
2	5850.1 AV	46.94	54	-7.06	-59.01	-59.19	7.77	-48.32

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



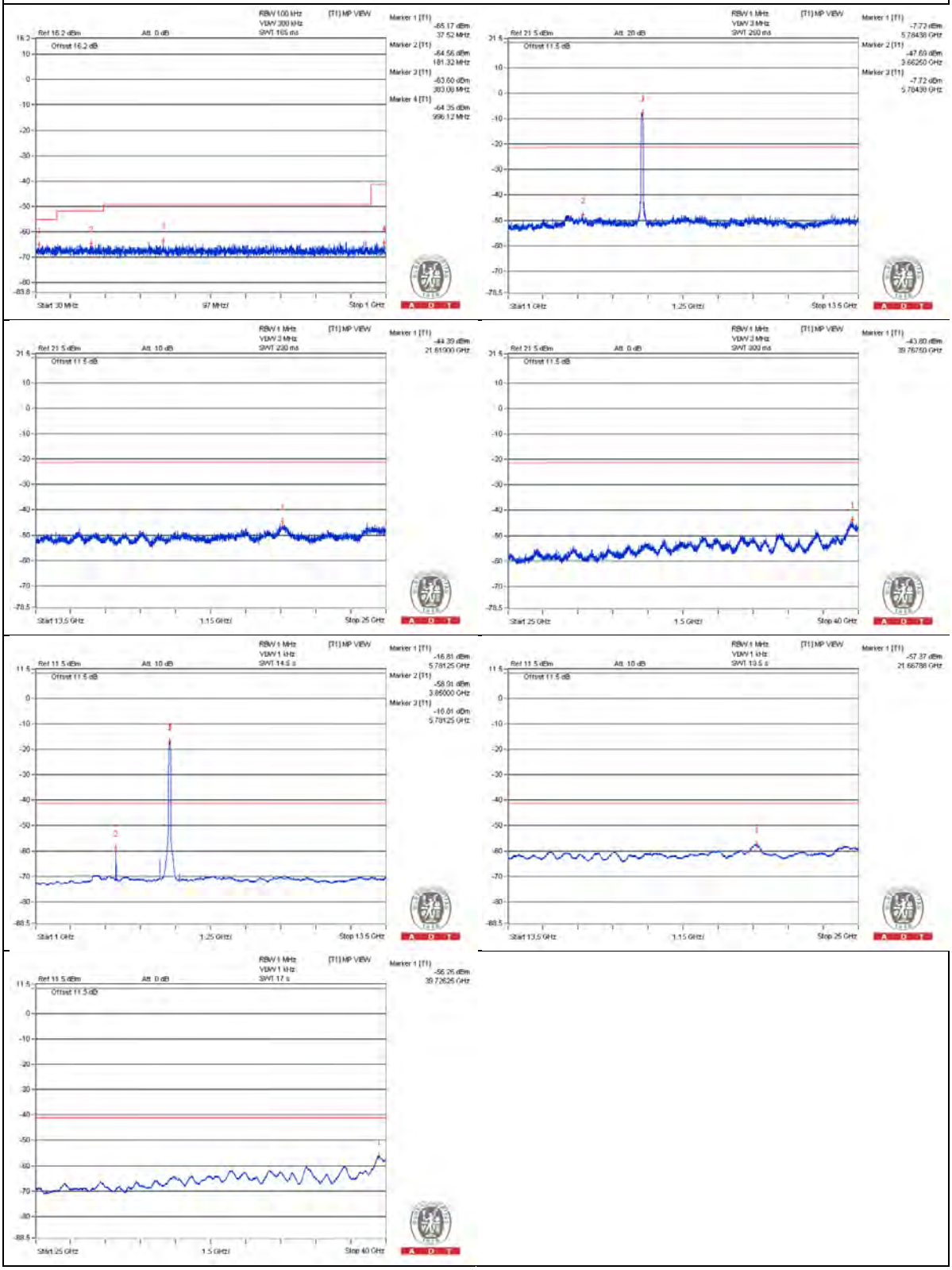
802.11ac (VHT80) - Channel 155

Conducted spurious emission table

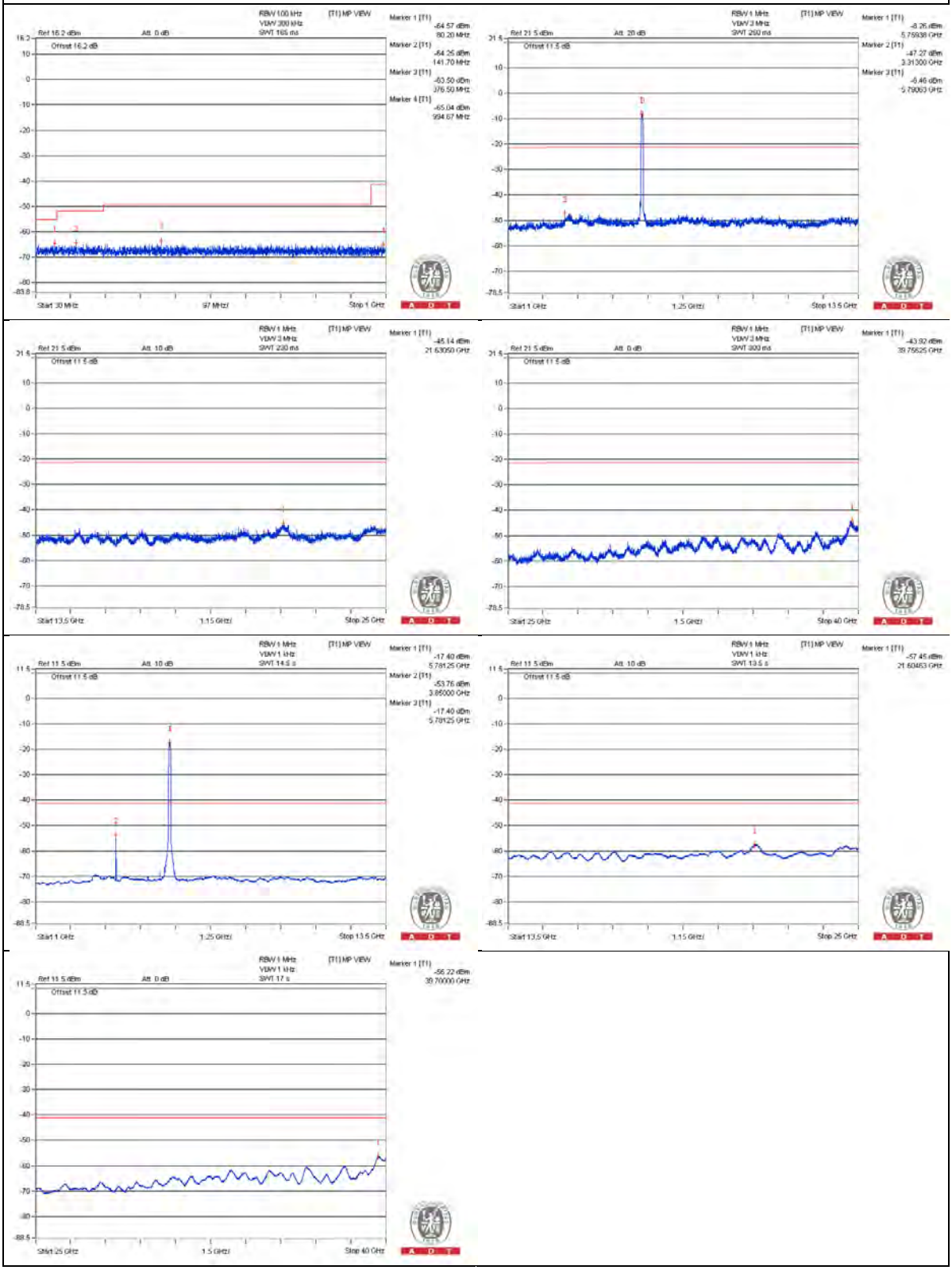
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	3850 PK	56.65	74	-17.35	-50.6	-48.44	7.77	-38.61
2	3850 AV	50.43	54	-3.57	-58.91	-53.76	7.77	-44.83
3	7706.25 PK	57.14	74	-16.86	-48.32	-49.56	7.77	-38.12
4	7700 AV	35.62	54	-18.38	-70.21	-70.64	7.77	-59.64
5	11562.5 PK	54.61	74	-19.39	-51.7	-51.18	7.77	-40.65
6	11534.375 AV	33.78	54	-20.22	-72.44	-72.08	7.77	-61.48

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

Chain 0



Chain 1



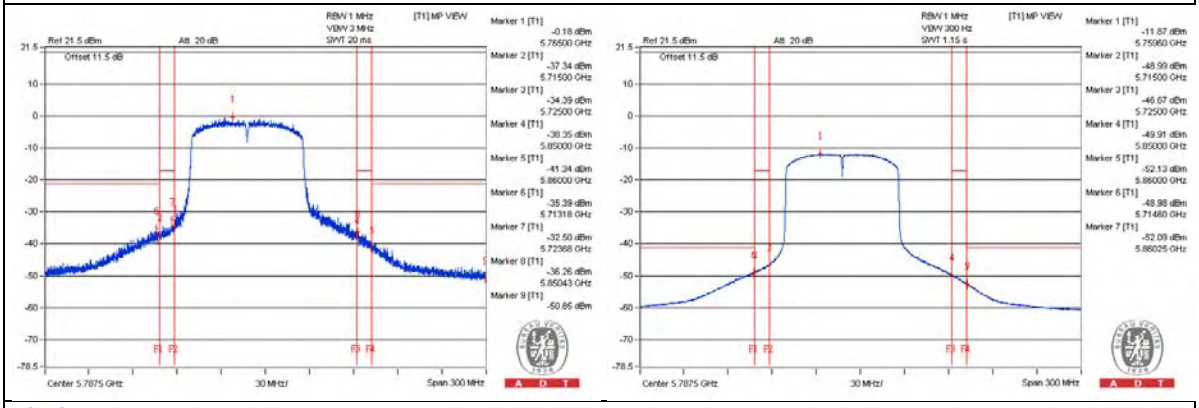
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	5714.6 PK	70.25	74	-3.75	-37.79	-34.43	7.77	-25.01
2	5714.975 AV	57.41	54	* 3.41	-48.99	-48.3	7.77	-37.85
3	5724.425 PK	73.48	78.2	-4.72	-35.3	-30.89	7.77	-21.78
4	5850.575 PK	69.51	78.2	-8.69	-36.74	-36.33	7.77	-25.75
5	5860.175 PK	66.29	74	-7.71	-41.27	-38.63	7.77	-28.97
6	5860.325 AV	54.09	54	* 0.09	-52.15	-51.75	7.77	-41.17

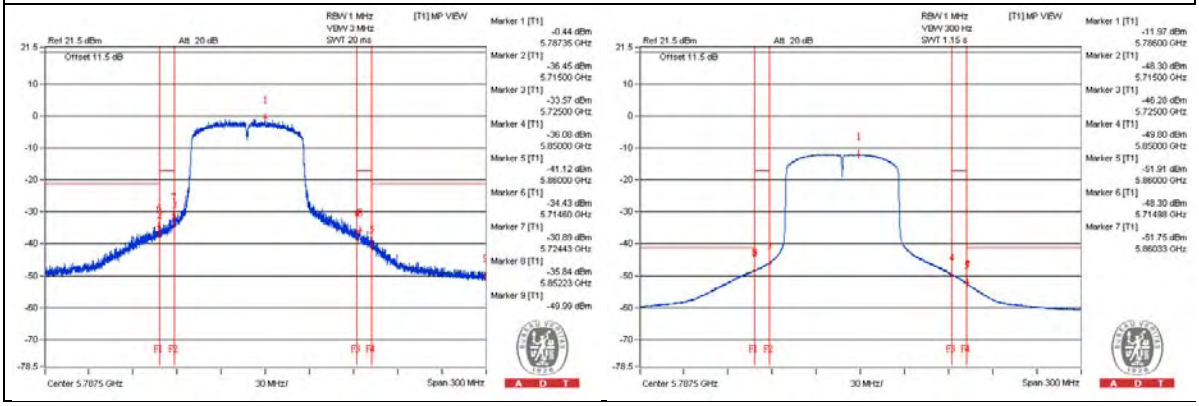
Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

* The unwanted emission was verified and the test result was passed by radiated measurement. (Please refer APPENDIX A)

Chain 0



Chain 1



Below 1GHz Data

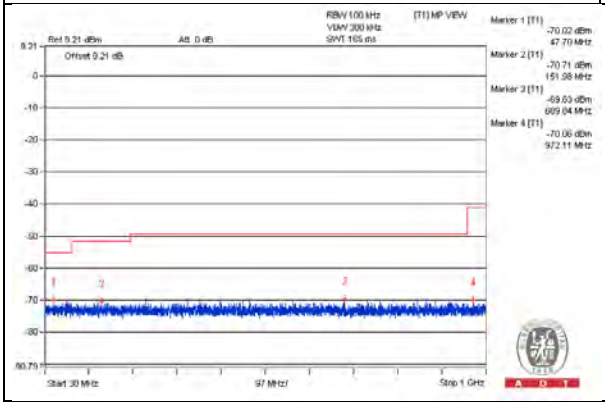
802.11a - Channel 157

Conducted spurious emission table

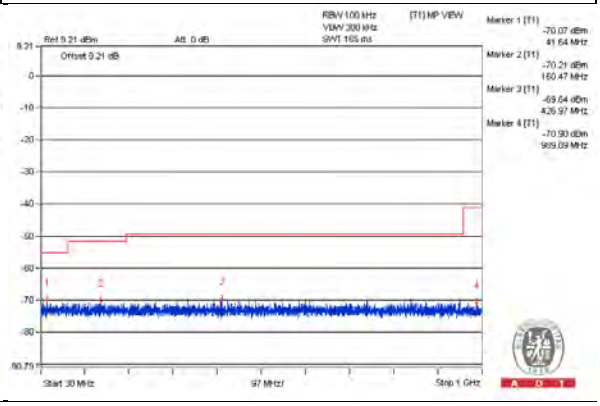
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	47.7025	34.81	40	-5.19	-70.02	-72.9	7.77	-60.45
2	160.465	35.41	43.5	-8.09	-71.09	-70.21	7.77	-59.85
3	343.0675	35.32	46	-10.68	-69.83	-71.84	7.77	-59.94
4	480.565	35.49	46	-10.51	-69.93	-71.28	7.77	-59.77
5	689.8425	34.86	46	-11.14	-69.63	-73.6	7.77	-60.4
6	952.2275	35.71	46	-10.29	-71.03	-69.72	7.77	-59.55

Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.
Emission levels include upper bound on ground plane reflection (4.7dB) for below 1GHz emission.

Chain 0



Chain 1

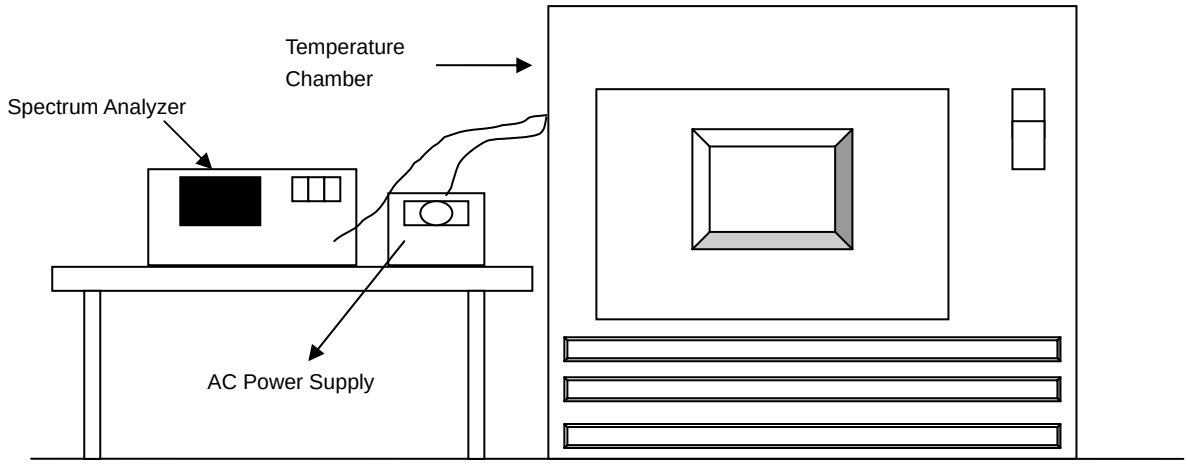


4.5 Frequency Stability Measurement

4.5.1 Limits of Frequency Stability Measurement

The frequency of the carrier signal shall be maintained within band of operation

4.5.2 Test Setup



4.5.3 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
SPECTRUM ANALYZER R&S	FSP 40	100060	May 08, 2015	May 07, 2016
Temperature & Humidity Chamber GIANTFORCE	GTH-150-40-SP-AR	MAA0812-008	Jan. 12, 2015	Jan. 11, 2016

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. Tested date : June 19, 2015

4.5.4 Test Procedures

a. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
b. Turn the EUT on and couple its output to a spectrum analyzer.
c. Turn the EUT off and set the chamber to the highest temperature specified.
d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Conditions

Set the EUT transmit at un-modulation mode to test frequency stability.

4.5.7 Test Results

Frequemcy Stability Versus Temp.									
Operating Frequency: 5180MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5180.0242	0.00047	5180.0223	0.00043	5180.0231	0.00045	5180.0238	0.00046
40	120	5180.0057	0.00011	5180.0055	0.00011	5180.0046	0.00009	5180.006	0.00012
30	120	5179.9733	-0.00052	5179.9767	-0.00045	5179.9766	-0.00045	5179.9734	-0.00051
20	120	5180.0002	0.00000	5180.0015	0.00003	5179.9995	-0.00001	5180.0016	0.00003
10	120	5180.0046	0.00009	5180.0026	0.00005	5180.0013	0.00003	5179.9998	0.00000
0	120	5179.9793	-0.00040	5179.9802	-0.00038	5179.978	-0.00042	5179.9771	-0.00044
-10	120	5179.9976	-0.00005	5179.9945	-0.00011	5179.9953	-0.00009	5179.9931	-0.00013
-20	120	5180.0129	0.00025	5180.0135	0.00026	5180.0119	0.00023	5180.013	0.00025
-30	120	5179.9774	-0.00044	5179.9737	-0.00051	5179.9772	-0.00044	5179.9773	-0.00044

Frequemcy Stability Versus Temp.									
Operating Frequency: 5180MHz									
Temp. (℃)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5180.0003	0.00001	5180.0013	0.00003	5179.9999	0.00000	5180.0019	0.00004
	120	5180.0002	0.00000	5180.0015	0.00003	5179.9995	-0.00001	5180.0016	0.00003
	102	5180.0003	0.00001	5180.002	0.00004	5179.999	-0.00002	5180.0007	0.00001

4.6 Conducted Emission Measurement

4.6.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.6.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	100375	Apr. 29, 2014	Apr. 28, 2015
Line-Impedance Stabilization Network (for EUT) SCHWARZBECK	NSLK-8127	8127-522	Sep. 15, 2014	Sep. 14, 2015
Line-Impedance Stabilization Network (for Peripheral) ROHDE & SCHWARZ	ENV216	100071	Nov. 10, 2014	Nov. 09, 2015
RF Cable	5D-FB	COCCAB-001	Mar. 09, 2015	Mar. 08, 2016
50 ohms Terminator	N/A	EMC-03	Sep. 22, 2014	Sep. 21, 2015
50 ohms Terminator	N/A	EMC-02	Sep. 30, 2014	Sep. 29, 2015
Software BVADT	BVADT_Cond_ V7.3.7.3	NA	NA	NA

Note:

1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Shielded Room No. C.
3 The VCCI Con C Registration No. is C-3611.
4 Tested Date: Mar. 25, 2015

4.6.3 Test Procedure

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

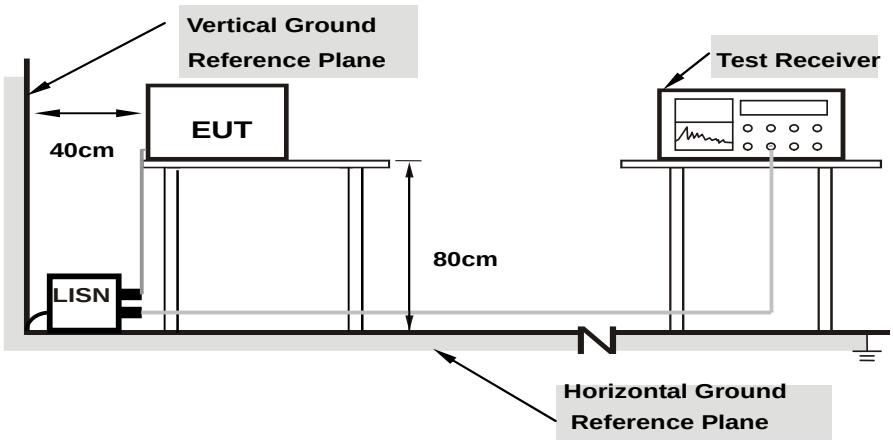
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.6.4 Deviation from Test Standard

No deviation.

4.6.5 Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.6.6 EUT Operating Condition

Same as 4.1.6.

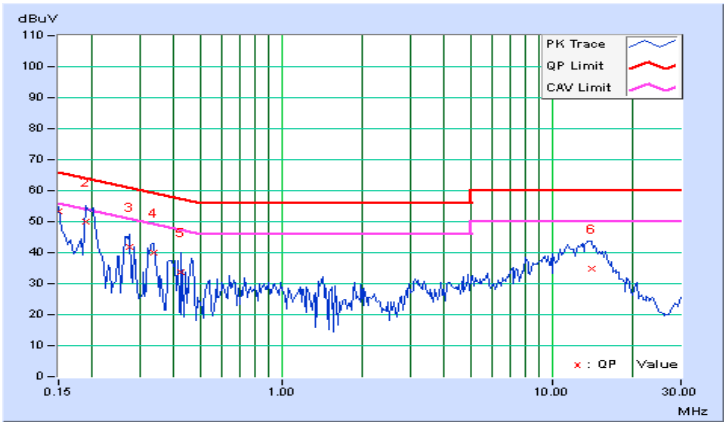
4.6.7 Test Results

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	0.08	53.09	31.29	53.17	31.37	66.00	56.00	-12.83	-24.63
2	0.18906	0.09	49.95	28.09	50.04	28.18	64.08	54.08	-14.04	-25.90
3	0.27500	0.09	41.90	26.91	41.99	27.00	60.97	50.97	-18.97	-23.96
4	0.33750	0.10	39.92	31.61	40.02	31.71	59.26	49.26	-19.25	-17.56
5	0.42734	0.10	33.60	13.76	33.70	13.86	57.30	47.30	-23.60	-33.44
6	13.96094	0.55	34.14	27.17	34.69	27.72	60.00	50.00	-25.31	-22.28

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

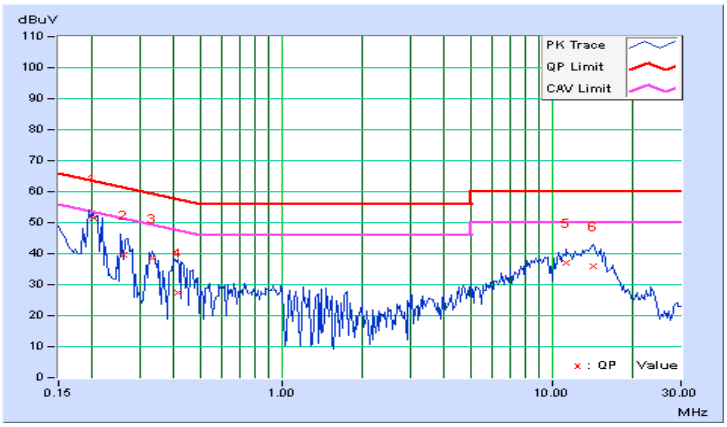


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

No	Freq.	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	**0.20072**	**0.08**	**51.39**	**42.82**	**51.47**	**42.90**	**63.58**	**53.58**	**-12.11**	**-10.68**
2	0.25922	0.09	39.45	24.89	39.54	24.98	61.46	51.46	-21.92	-26.48
3	0.33359	0.09	38.51	33.59	38.60	33.68	59.36	49.36	-20.76	-15.68
4	0.41172	0.10	27.42	9.77	27.52	9.87	57.61	47.61	-30.09	-37.74
5	11.31641	0.50	36.39	28.35	36.89	28.85	60.00	50.00	-23.11	-21.15
6	14.14453	0.58	35.18	26.08	35.76	26.66	60.00	50.00	-24.24	-23.34

REMARKS:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

6 Appendix A – Radiated Emission Measurement

6.1.1 Limits of Radiated Emission Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

6.1.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY51210105	July 21, 2014	July 20, 2015
Horn_Antenna AISI	AIH.8018	0000320091110	Feb. 09, 2015	Feb. 08, 2016
Pre-Amplifier Agilent	8449B	3008A02578	June 23, 2015	June 22, 2016
RF Cable	NA	131205 131216 131217 SNMY23684/4	Jan. 16, 2015	Jan. 15, 2016
Spectrum Analyzer R&S	FSV40	100964	July 05, 2014	July 04, 2015
Pre-Amplifier SPACEK LABS	SLKKa-48-6	9K16	Dec. 12, 2014	Dec. 11, 2015
Horn_Antenna SCHWARZBECK	BBHA 9170	9170-424	Feb. 05, 2015	Feb. 04, 2016
RF Cable	NA	329751/4 RF104-204	Dec. 11, 2014	Dec. 10, 2015
Software	ADT_Radiated_V8.7.07	NA	NA	NA
Antenna Tower & Turn Table CT	NA	NA	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. G.
3. The FCC Site Registration No. is 966073.
4. The VCCI Site Registration No. is G-137.
5. The CANADA Site Registration No. is IC 7450H-2.
6. Tested Date: June 30 to July 02, 2015

6.1.3 Test Procedures

a. The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

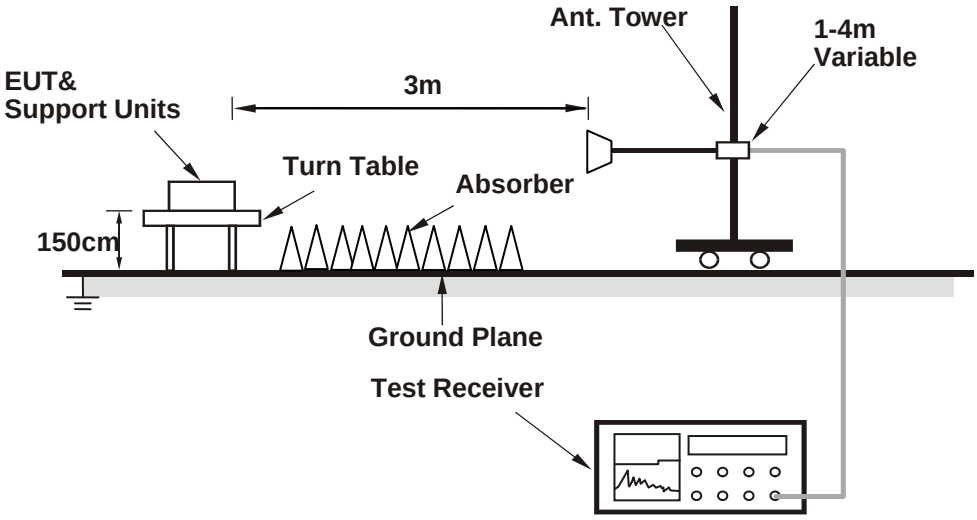
NOTE:

1. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (10 log(1/duty cycle)).
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

6.1.4 Deviation from Test Standard

No deviation

6.1.5 Test Setup



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

6.1.6 EUT Operating Conditions

Same as 4.4.6.

6.1.7 Test Results

The EUT's antenna had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Z-plane.**

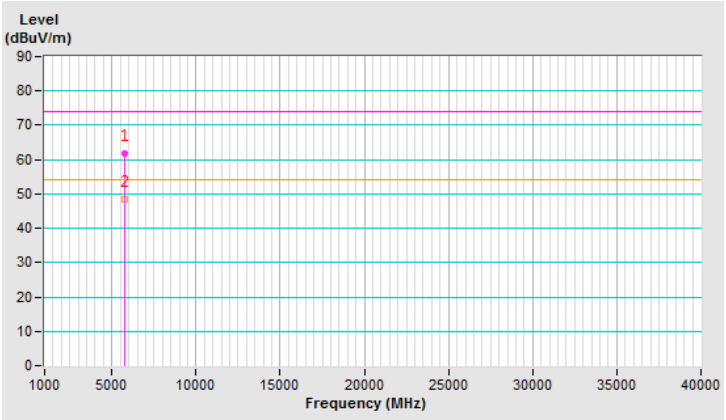
802.11a

CHANNEL	TX Channel 140	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5725.00	61.6 PK	74.0	-12.4	1.25 H	129	51.90	9.70
2	#5725.00	48.4 AV	54.0	-5.6	1.25 H	129	38.70	9.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

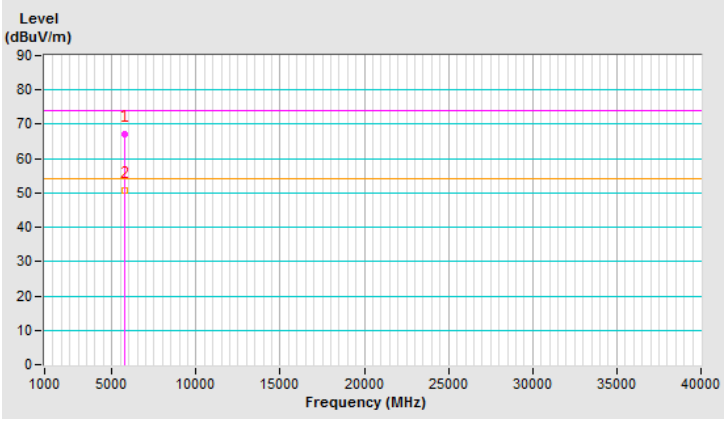


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5725.00	67.2 PK	74.0	-6.8	1.74 V	211	57.50	9.70
2	#5725.00	50.7 AV	54.0	-3.3	1.74 V	211	41.00	9.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

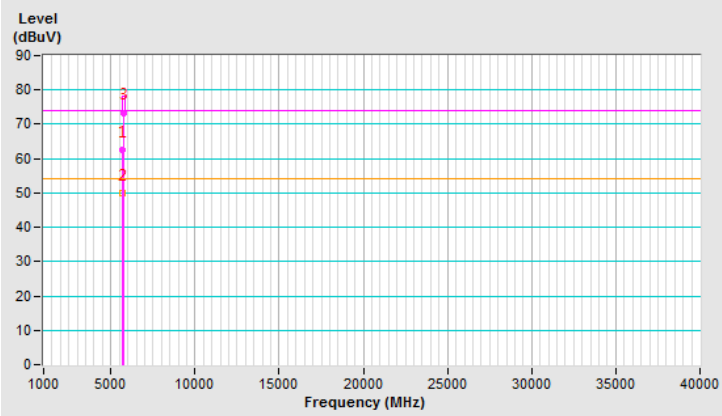


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	62.5 PK	74.0	-11.5	1.90 H	112	52.82	9.68
2	#5715.00	49.9 AV	54.0	-4.1	1.90 H	112	40.22	9.68
3	#5725.00	73.4 PK	78.2	-4.8	1.95 H	114	63.70	9.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

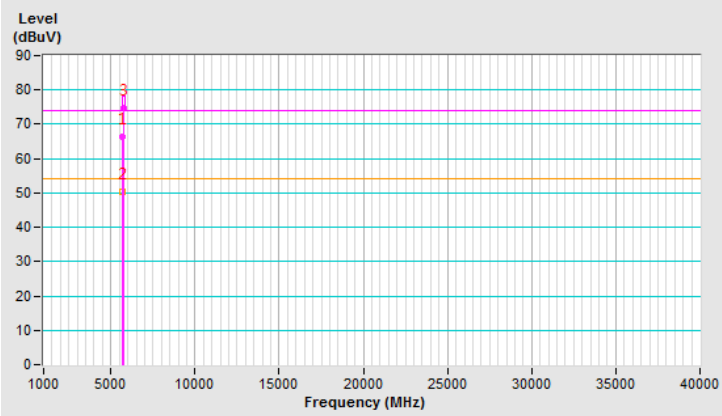


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	66.2 PK	74.0	-7.8	1.13 V	177	56.52	9.68
2	#5715.00	50.4 AV	54.0	-3.6	1.13 V	177	40.72	9.68
3	#5725.00	74.8 PK	78.2	-3.4	1.35 V	146	65.10	9.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

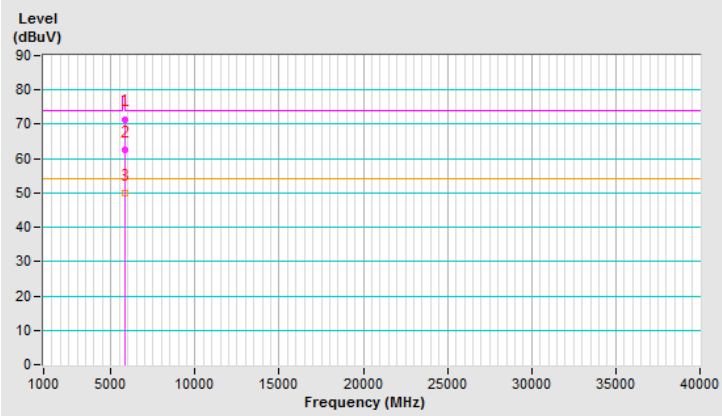


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5850.00	71.5 PK	78.2	-6.7	1.91 H	130	61.58	9.92
2	#5860.00	62.6 PK	74.0	-11.4	1.95 H	139	52.67	9.93
3	#5860.00	50.0 AV	54.0	-4.0	1.95 H	139	40.07	9.93

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

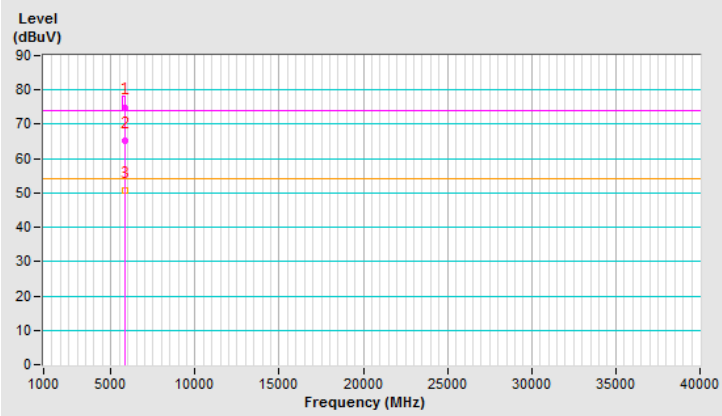


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5850.00	74.9 PK	78.2	-3.3	1.79 V	244	64.98	9.92
2	#5860.00	65.1 PK	74.0	-8.9	1.78 V	256	55.17	9.93
3	#5860.00	50.6 AV	54.0	-3.4	1.78 V	256	40.67	9.93

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



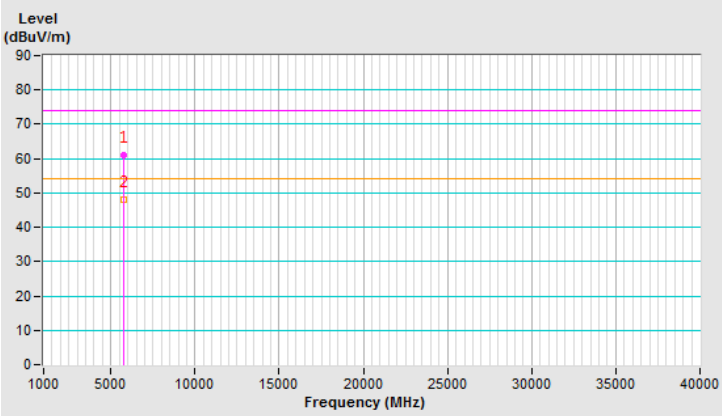
802.11ac (VHT20)

CHANNEL	TX Channel 140	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5725.00	60.9 PK	74.0	-13.1	1.24 H	118	51.20	9.70
2	#5725.00	47.9 AV	54.0	-6.1	1.24 H	118	38.20	9.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

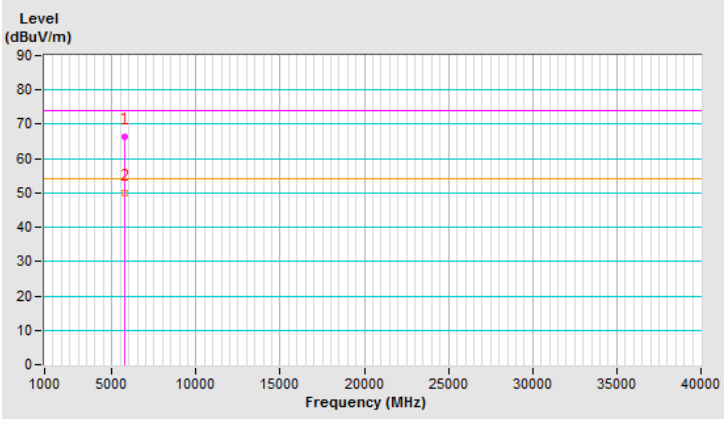


CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5725.00	66.3 PK	74.0	-7.7	1.80 V	237	56.60	9.70
2	#5725.00	50.1 AV	54.0	-3.9	1.80 V	237	40.40	9.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

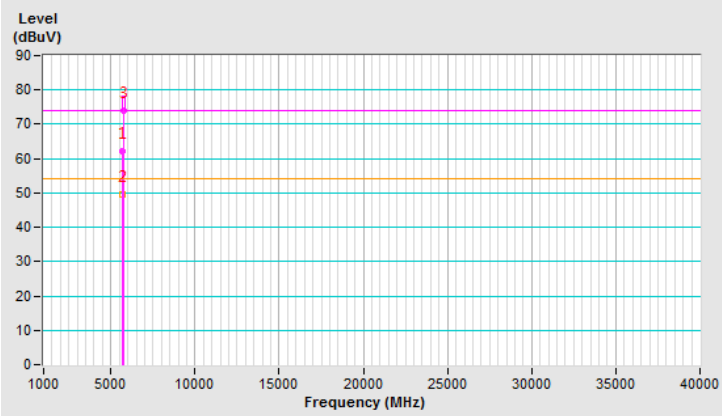


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	62.0 PK	74.0	-12.0	1.92 H	124	52.32	9.68
2	#5715.00	49.5 AV	54.0	-4.5	1.92 H	124	39.82	9.68
3	#5725.00	73.9 PK	78.2	-4.3	1.92 H	124	64.20	9.70

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

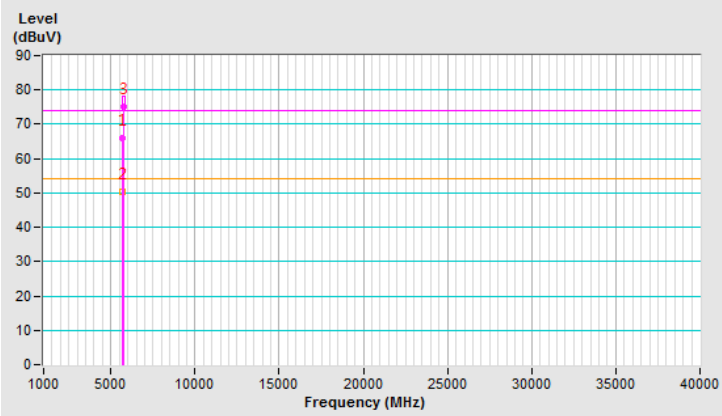


CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	66.1 PK	74.0	-7.9	1.17 V	163	56.42	9.68
2	#5715.00	50.3 AV	54.0	-3.7	1.17 V	163	40.62	9.68
3	**#5725.00**	**75.1 PK**	**78.2**	**-3.1**	**1.29 V**	**157**	**65.40**	**9.70**

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

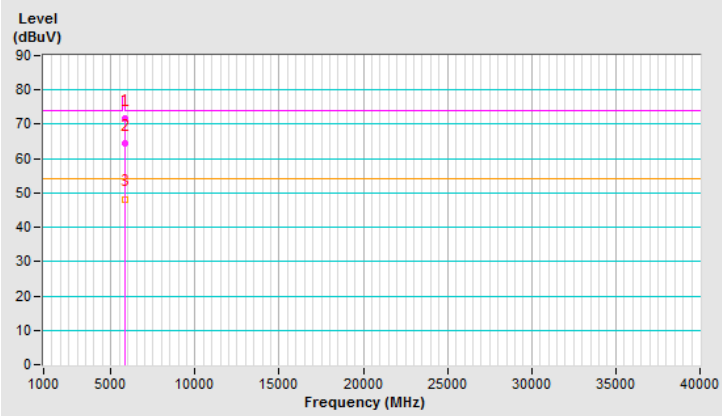


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5850.00	71.6 PK	78.2	-6.6	1.91 H	118	61.68	9.92
2	#5860.00	64.3 PK	74.0	-9.7	1.91 H	118	54.37	9.93
3	#5860.00	48.2 AV	54.0	-5.8	1.91 H	118	38.27	9.93

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

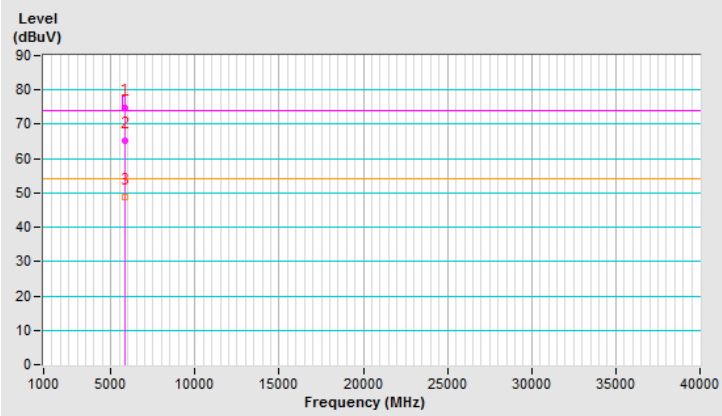


CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5850.00	74.7 PK	78.2	-3.5	1.77 V	259	64.78	9.92
2	#5860.00	65.2 PK	74.0	-8.8	1.75 V	259	55.27	9.93
3	#5860.00	48.8 AV	54.0	-5.2	1.75 V	259	38.87	9.93

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



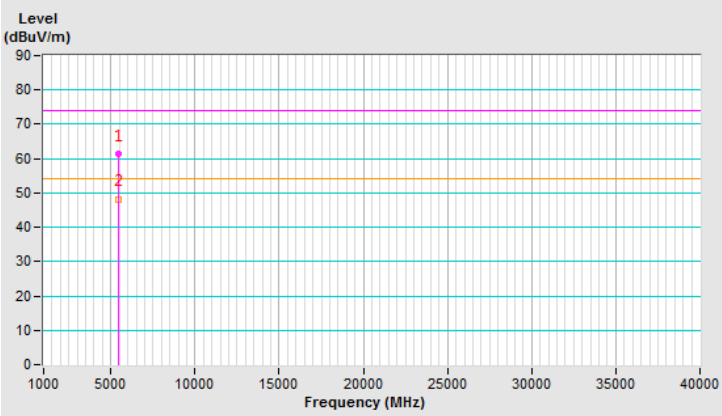
802.11ac (VHT40)

CHANNEL	TX Channel 102	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5470.00	61.3 PK	74.0	-12.7	1.26 H	124	52.12	9.18
2	#5470.00	48.2 AV	54.0	-5.8	1.26 H	124	39.02	9.18

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

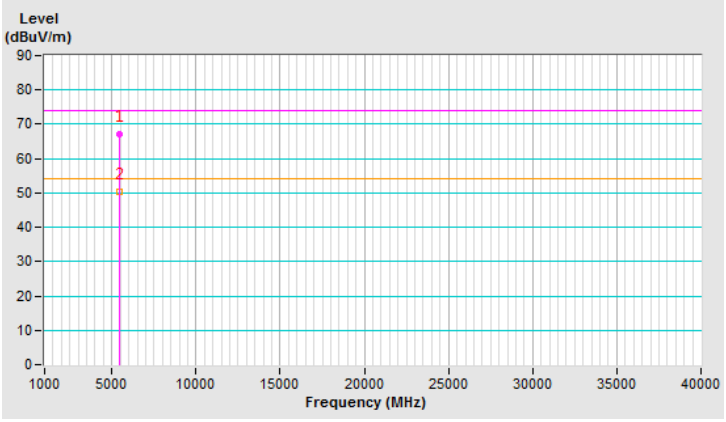


CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	67.1 PK	74.0	-6.9	1.84 V	247	57.92	9.18
2	#5470.00	50.4 AV	54.0	-3.6	1.84 V	247	41.22	9.18

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

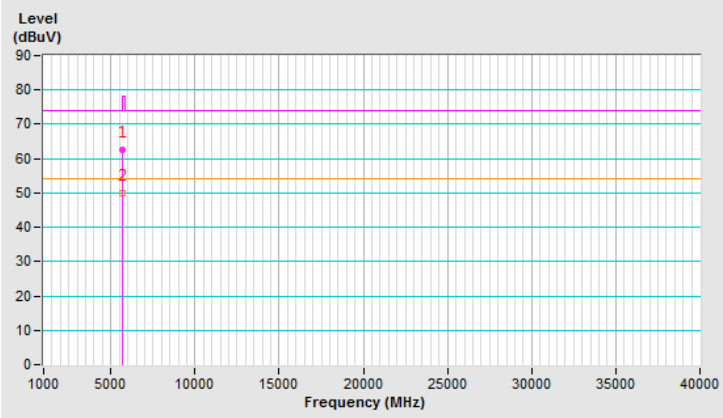


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	62.4 PK	74.0	-11.6	1.94 H	129	52.72	9.68
2	#5715.00	49.8 AV	54.0	-4.2	1.94 H	129	40.12	9.68

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

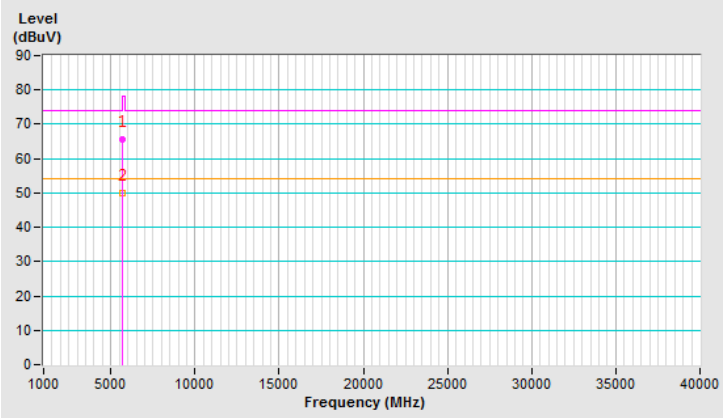


CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	65.6 PK	74.0	-8.4	2.11 V	206	55.92	9.68
2	#5715.00	49.8 AV	54.0	-4.2	2.11 V	206	40.12	9.68

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

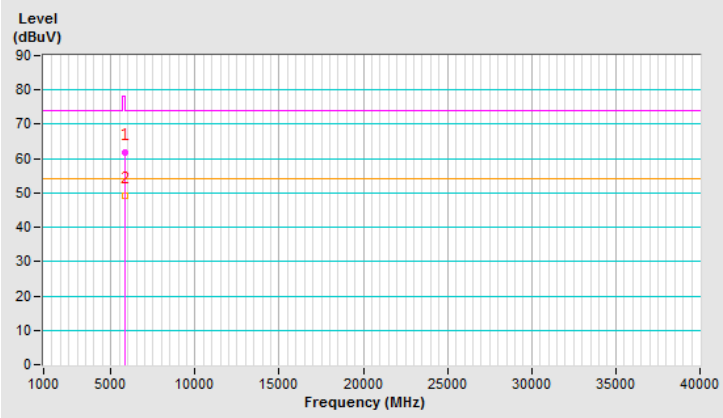


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5860.00	61.7 PK	74.0	-12.3	1.91 H	132	51.77	9.93
2	#5860.00	49.3 AV	54.0	-4.7	1.91 H	132	39.37	9.93

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

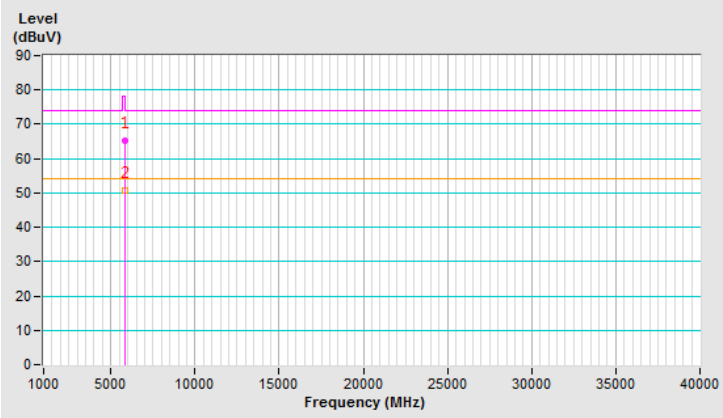


CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5860.00	65.3 PK	74.0	-8.7	1.53 V	346	55.37	9.93
2	#5860.00	50.6 AV	54.0	-3.4	1.53 V	346	40.67	9.93

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



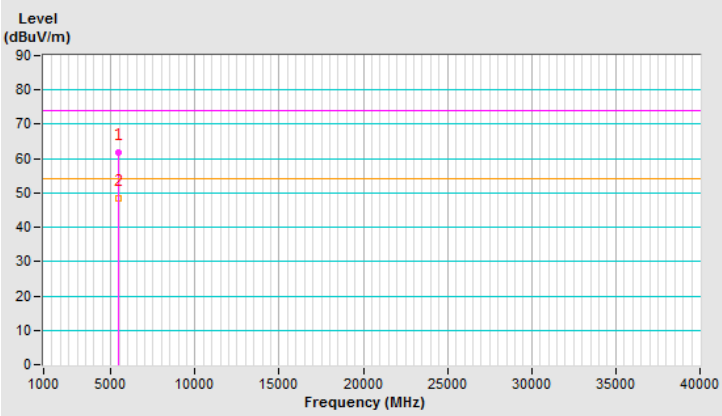
802.11ac (VHT80)

CHANNEL	TX Channel 106	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5470.00	61.8 PK	74.0	-12.2	1.31 H	118	52.62	9.18
2	#5470.00	48.5 AV	54.0	-5.5	1.31 H	118	39.32	9.18

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

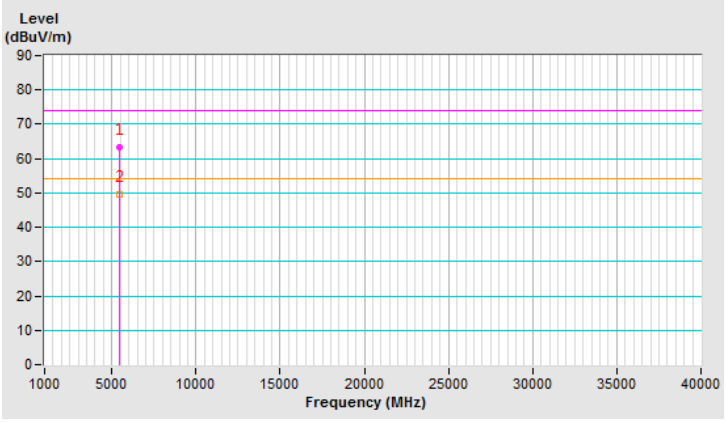


CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	63.2 PK	74.0	-10.8	1.84 V	249	54.02	9.18
2	#5470.00	49.5 AV	54.0	-4.5	1.84 V	249	40.32	9.18

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

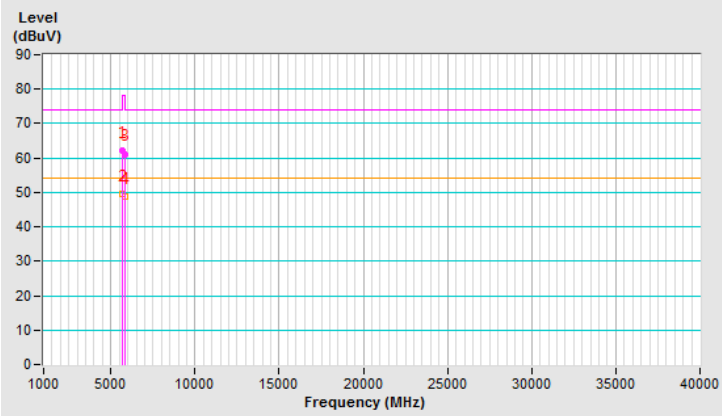


CHANNEL	TX Channel 155	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5715.00	62.0 PK	74.0	-12.0	1.99 H	142	52.32	9.68
2	#5715.00	49.6 AV	54.0	-4.4	1.99 H	142	39.92	9.68
3	#5860.00	61.2 PK	74.0	-12.8	1.99 H	142	51.27	9.93
4	#5860.00	48.9 AV	54.0	-5.1	1.99 H	142	38.97	9.93

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

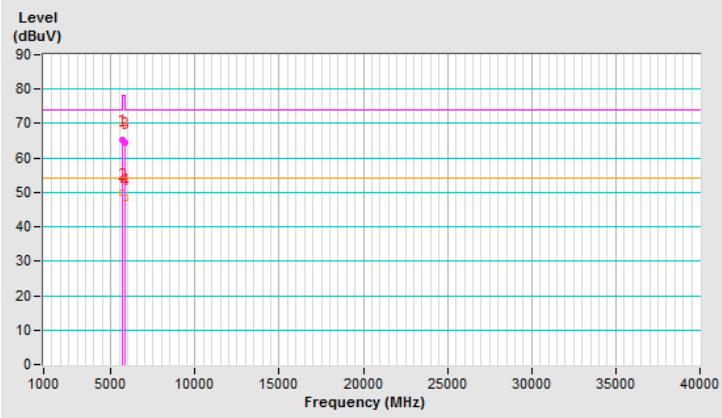


CHANNEL	TX Channel 155	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	#5715.00	65.4 PK	74.0	-8.6	1.92 V	216	55.72	9.68
2	#5715.00	49.8 AV	54.0	-4.2	1.92 V	216	40.12	9.68
3	#5860.00	64.6 PK	74.0	-9.4	1.92 V	216	54.67	9.93
4	#5860.00	48.3 AV	54.0	-5.7	1.92 V	216	38.37	9.93

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



7 Appendix B – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab
Tel: 886-2-26052180
Fax: 886-2-26051924

Hsin Chu EMC/RF Lab/Telecom Lab
Tel: 886-3-5935343
Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety
Tel: 886-3-3183232
Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

--- END ---