4.5.8 TEST RESULTS (CONDUCTED MEASUREMENT)

Radiated versus Conducted Measurement	
☒ Conducted measurement	☐ Radiated measurement

For Radiated measurement:

The level of unwanted emissions was measured when radiated by the cabinet or structure of the equipment with the antenna connector(s) terminated by a specified load (cabinet radiation)

For Conducted measurement:

The level of unwanted emissions was measured as their power in a specified load (conducted spurious emissions).

Conducted Measurement Factor
a. The composite gain will be used when signal support the correlated signal. (Composite gain = 3.62dBi + 10log(2) = 6.63dBi) b. For the out of band spurious the gain for the specific band may have been used rather than the highest gain across all bands. c. For the band edge the gain for the specific band may have been used. d. In restricted bands below 1000 MHz, add upper bound on ground plane reflection: For f = 30 – 1000 MHz, add 4.7 dB. Note: The conducted emission test was considered some factor to compute test result.

BELOW 1GHz WORST-CASE DATA

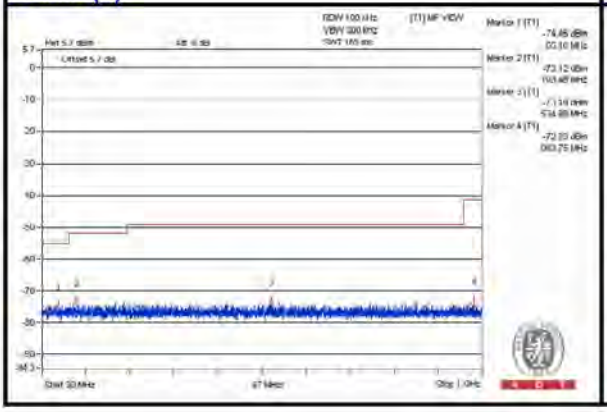
802.11g - Channel 6

Conducted spurious emission table

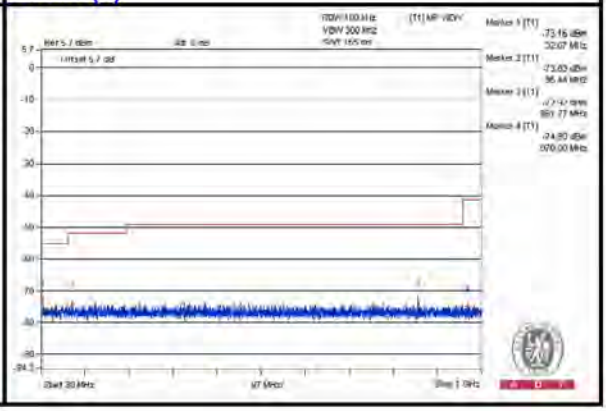
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	67.5875	24.41	40	-15.59	-81.14	-79.92	6.63	-67
2	197.81	24.74	43.5	-18.76	-80.16	-80.16	6.63	-67.26
3	367.8025	24.52	46	-21.48	-78.42	-84.03	6.63	-66.46
4	536.0975	24.78	46	-21.22	-80.11	-80.13	6.63	-66.93
5	766.715	24.87	46	-21.13	-79.75	-80.34	6.63	-65.85
6	941.5575	24.95	46	-21.05	-82.47	-78.37	6.63	-64.46

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

Chain (0)



Chain (1)



ABOVE 1GHz DATA

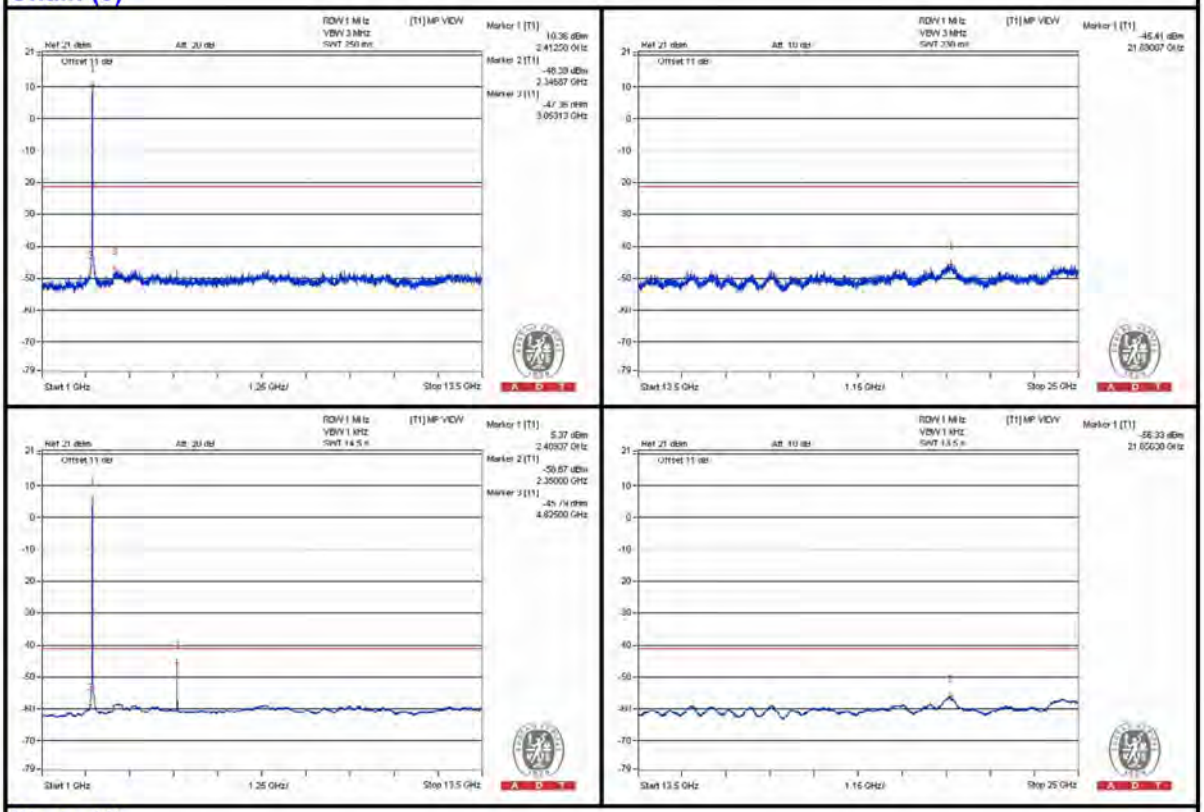
802.11b - Channel 1

Conducted spurious emission table

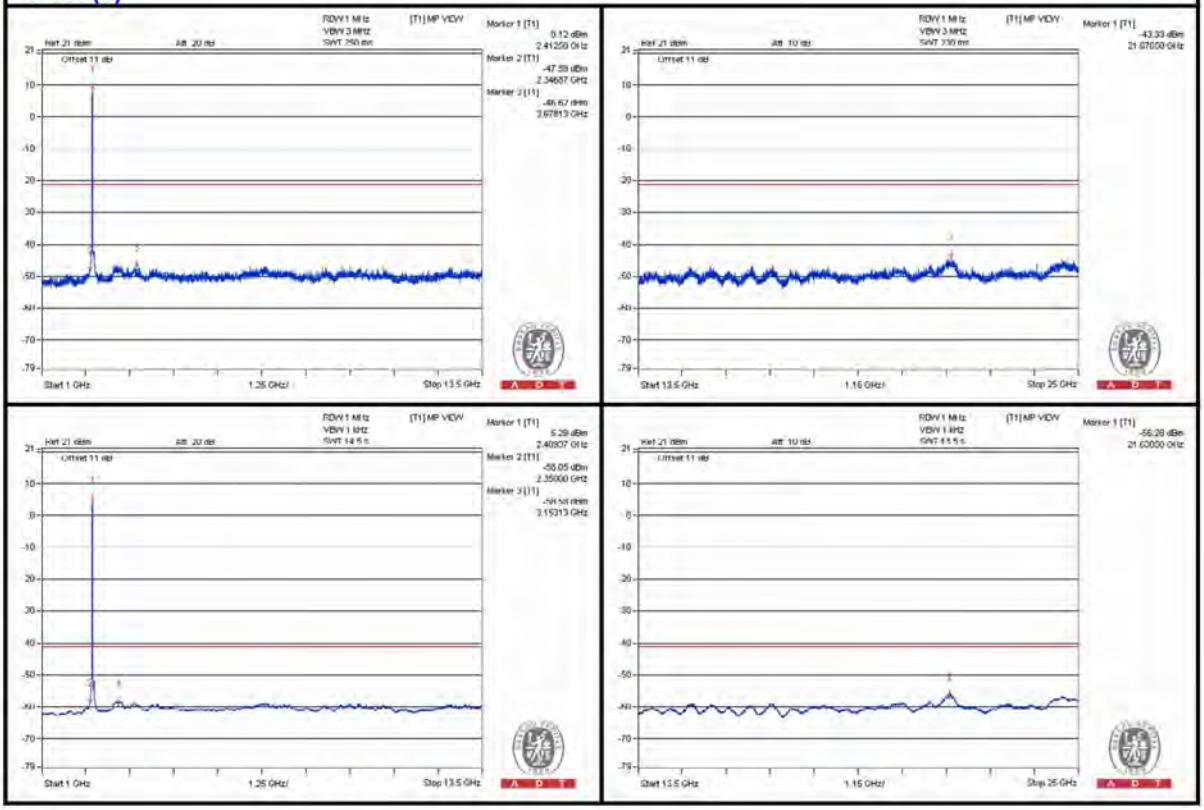
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1609.375 PK	52.42	74	-21.58	-53.18	-51.88	6.63	-42.84
2	1609.375 AV	42.57	54	-11.43	-62.38	-62.28	6.63	-52.69
3	4825 PK	56.14	74	-17.86	-47.48	-50.58	6.63	-39.12
4	4825 AV	56.29	54	* 2.29	-45.79	-59.4	6.63	-38.97

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

Chain (0)



Chain (1)

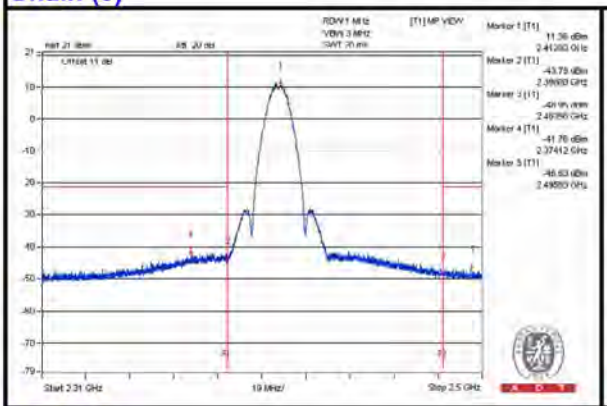


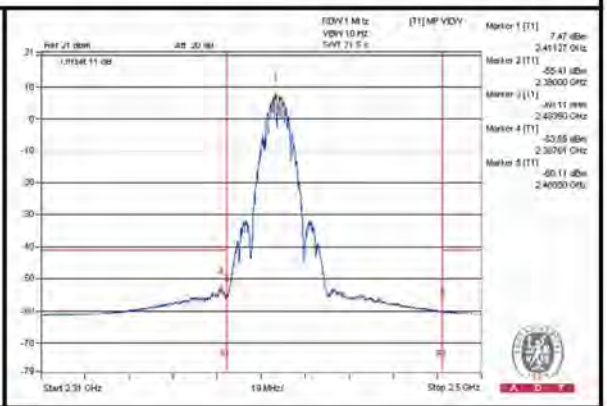
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2382.2475 PK	62.91	74	-11.09	-43.3	-40.99	6.63	-32.35
2	2387.615 AV	51.17	54	-2.83	-53.55	-53.92	6.63	-44.09
3	2485.0375 PK	58.02	74	-15.98	-48.09	-45.94	6.63	-37.24
4	2483.5175 AV	45.09	54	-8.91	-60.12	-59.53	6.63	-50.17

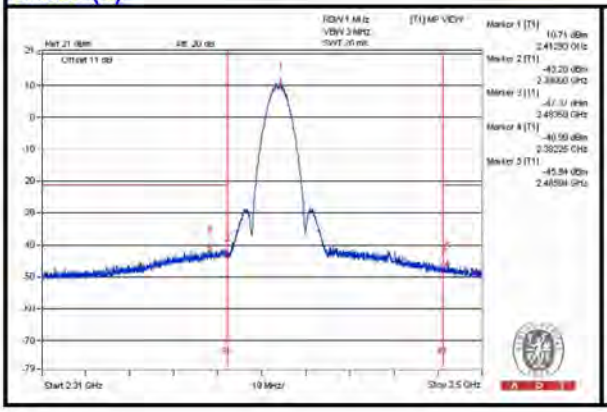
Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

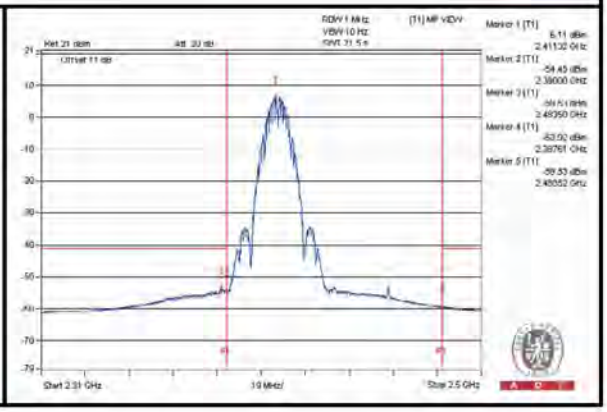
Chain (0)





Chain (1)





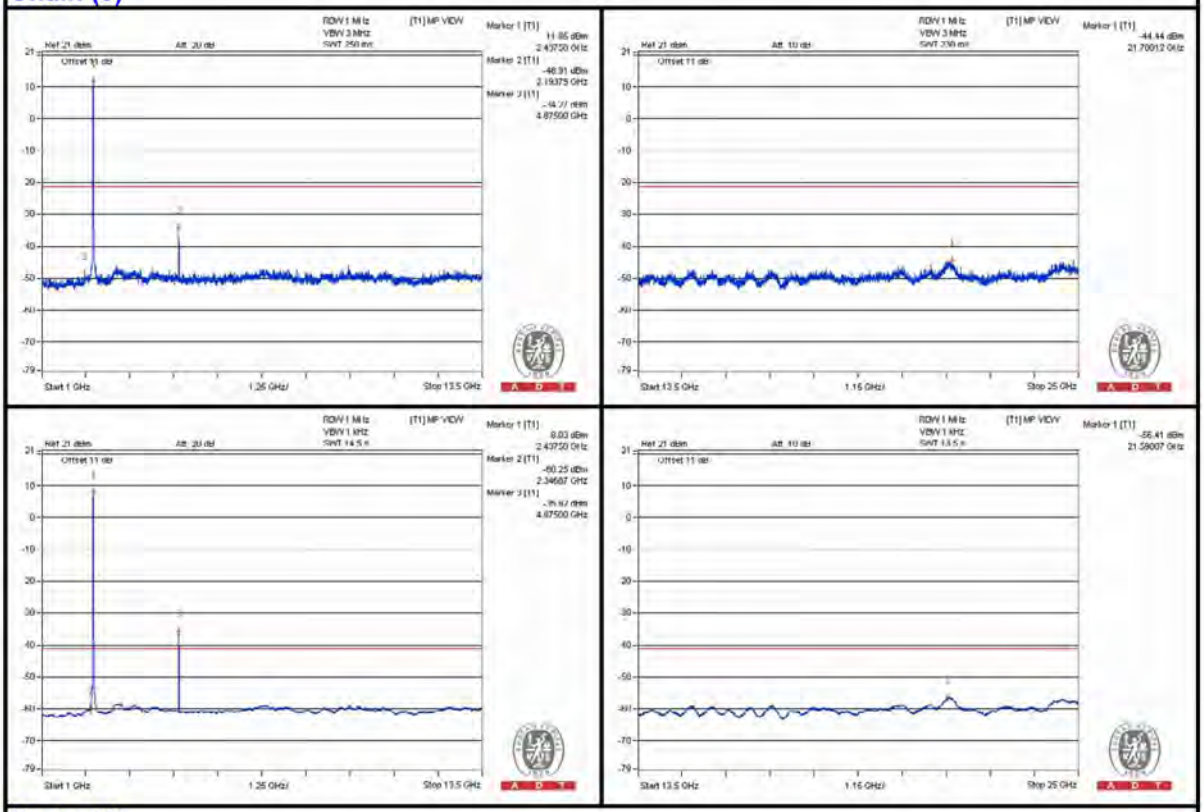
802.11b - Channel 6

Conducted spurious emission table

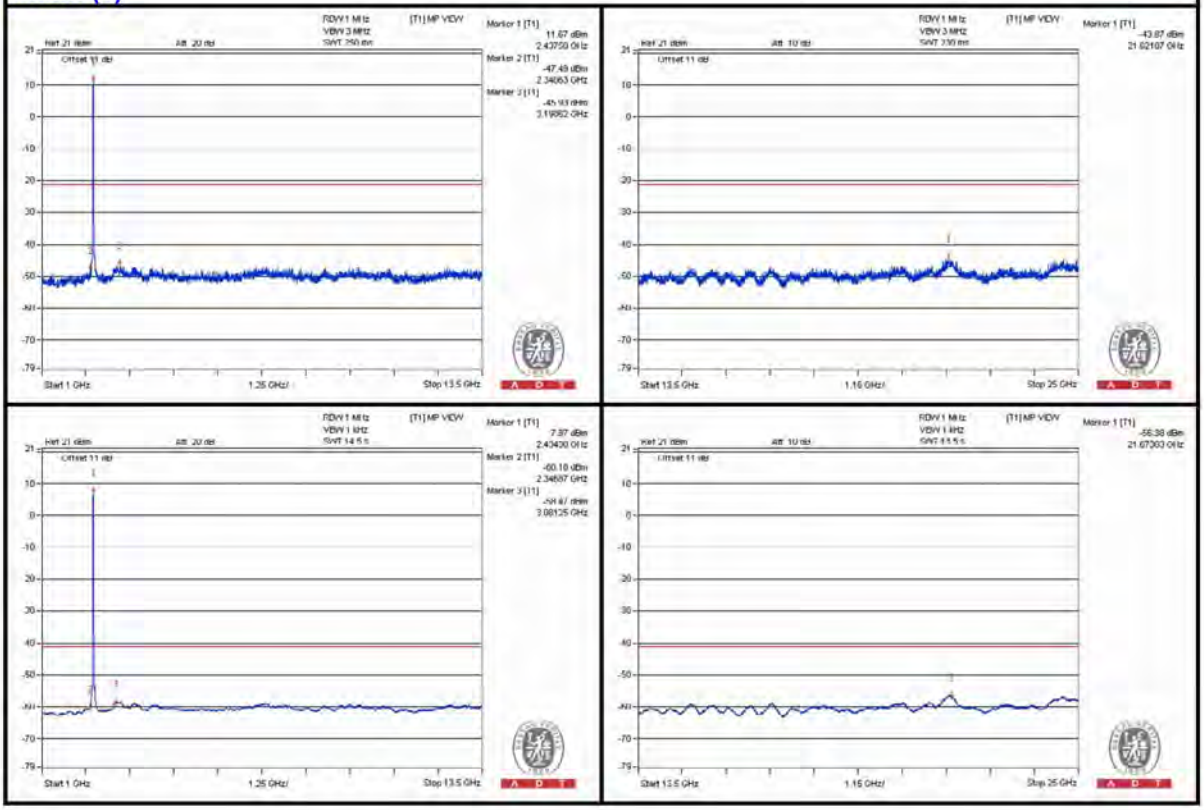
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1625 PK	52.26	74	-21.74	-52.39	-52.91	6.63	-43
2	1625 AV	42.58	54	-11.42	-62.24	-62.41	6.63	-52.68
3	4875 PK	67.73	74	-6.27	-34.27	-50	6.63	-27.53
4	4875 AV	66.08	54	* 12.08	-35.82	-60.43	6.63	-29.18
5	7309.375 PK	55.62	74	-18.38	-49.33	-49.24	6.63	-39.64
6	7309.375 AV	45.55	54	-8.45	-59.14	-59.57	6.63	-49.71

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

Chain (0)



Chain (1)

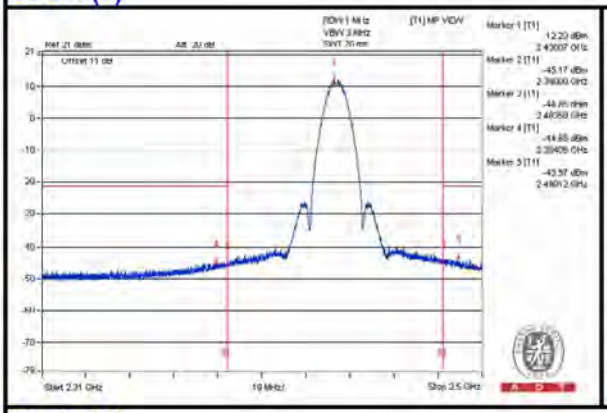


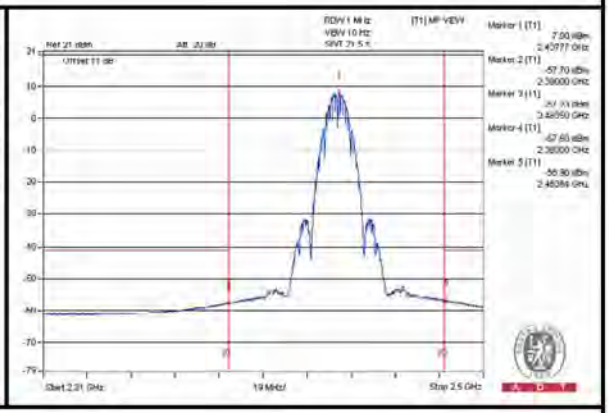
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2387.615 PK	59.9	74	-14.1	-45.12	-44.89	6.63	-35.36
2	2389.135 AV	47.61	54	-6.39	-57.79	-56.85	6.63	-47.65
3	2485.0375 PK	62.23	74	-11.77	-44.48	-41.39	6.63	-33.03
4	2485.085 AV	49.87	54	-4.13	-57.05	-53.65	6.63	-45.39
5	2490.12 PK	60.37	74	-13.63	-43.57	-45.77	6.63	-34.89
6	2490.025 AV	47.28	54	-6.72	-57.64	-57.6	6.63	-47.98

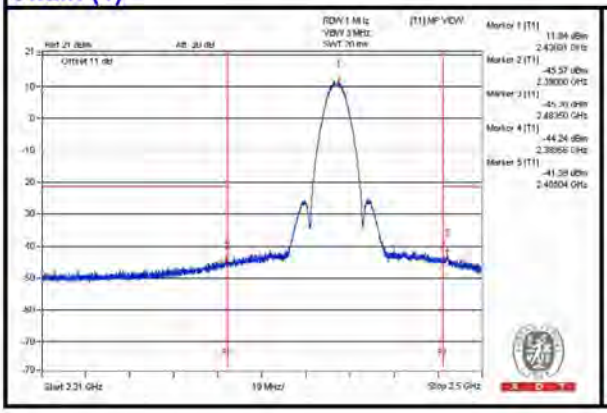
Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

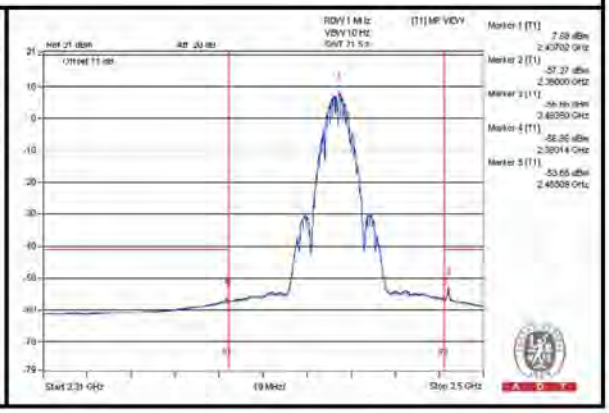
Chain (0)





Chain (1)





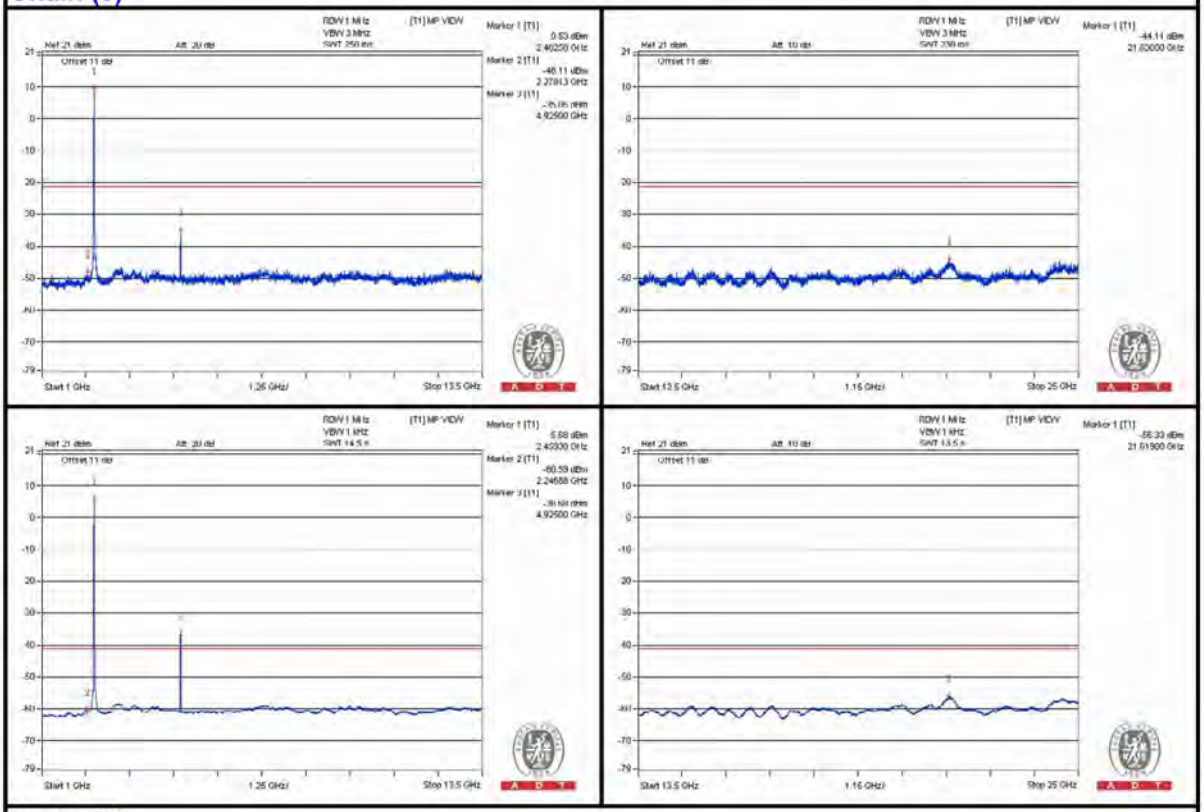
802.11b - Channel 11

Conducted spurious emission table

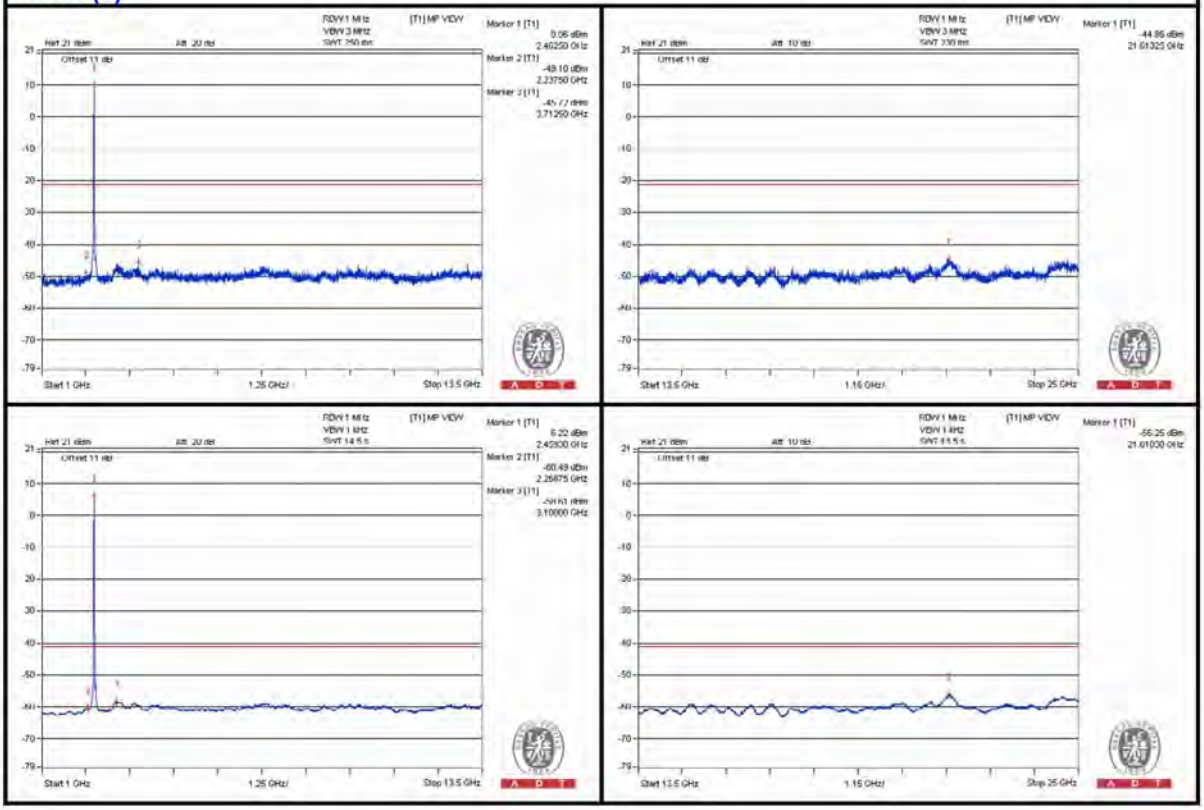
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4925 PK	66.95	74	-7.05	-35.05	-50.87	6.63	-28.31
2	4925 AV	65.23	54	* 11.23	-36.68	-60.46	6.63	-30.03
3	7384.375 PK	56.24	74	-17.76	-48.88	-48.45	6.63	-39.02
4	7384.375 AV	45.6	54	-8.4	-59.29	-59.32	6.63	-49.66

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

Chain (0)



Chain (1)

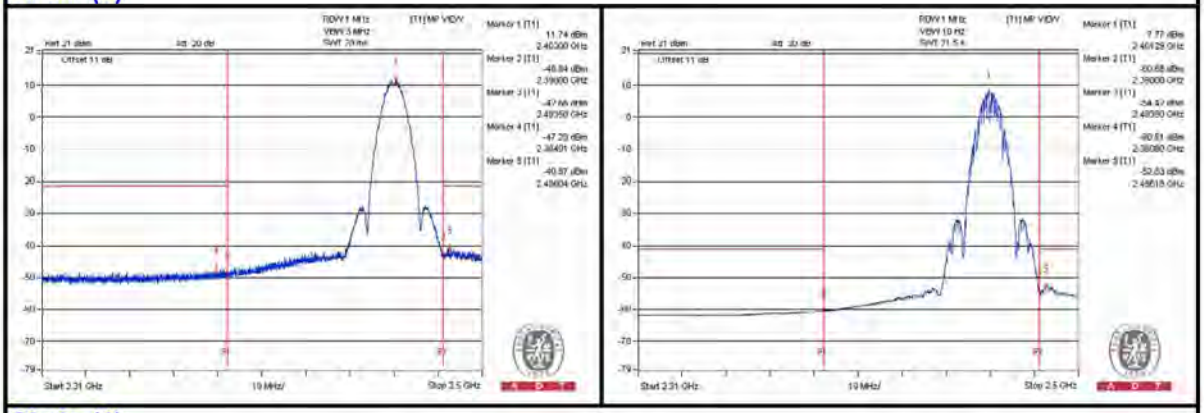


Bandedge table

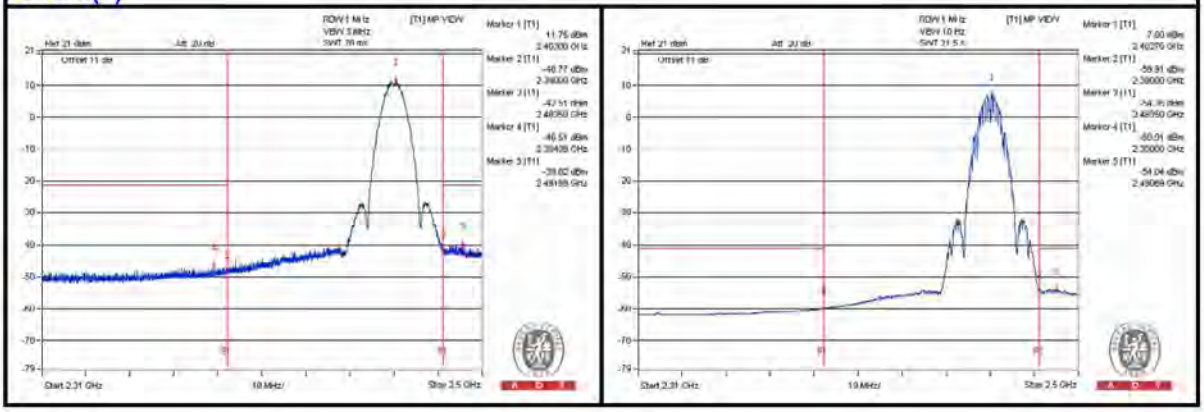
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2384.385 PK	57.51	74	-16.49	-48.49	-46.51	6.63	-37.75
2	2389.8 AV	44.7	54	-9.3	-60.51	-59.91	6.63	-50.56
3	2486.13 PK	63.74	74	-10.26	-42.43	-40.18	6.63	-31.52
4	2486.1775 AV	51.31	54	-2.69	-52.83	-54.52	6.63	-43.95
5	2491.6875 PK	63.83	74	-10.17	-42.83	-39.82	6.63	-31.43
6	2490.12 AV	50.83	54	-3.17	-54	-54.14	6.63	-44.43

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

Chain (0)



Chain (1)



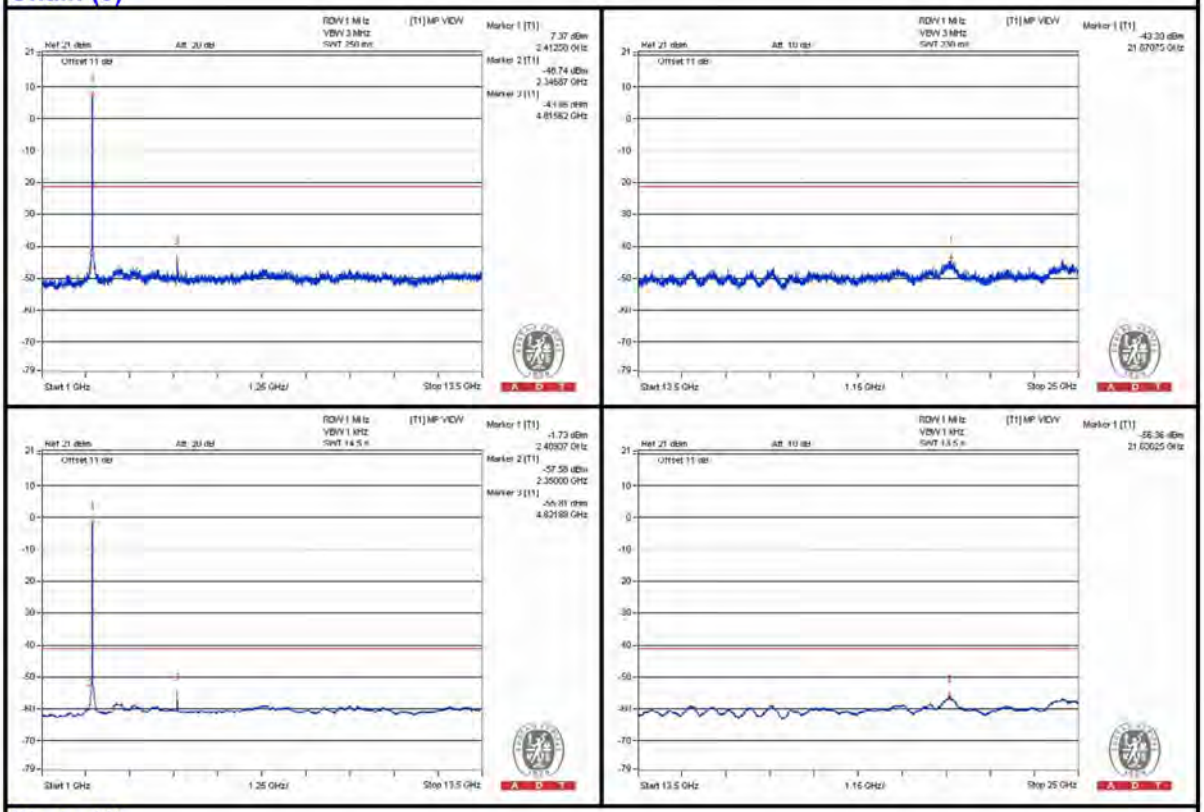
802.11g - Channel 1

Conducted spurious emission table

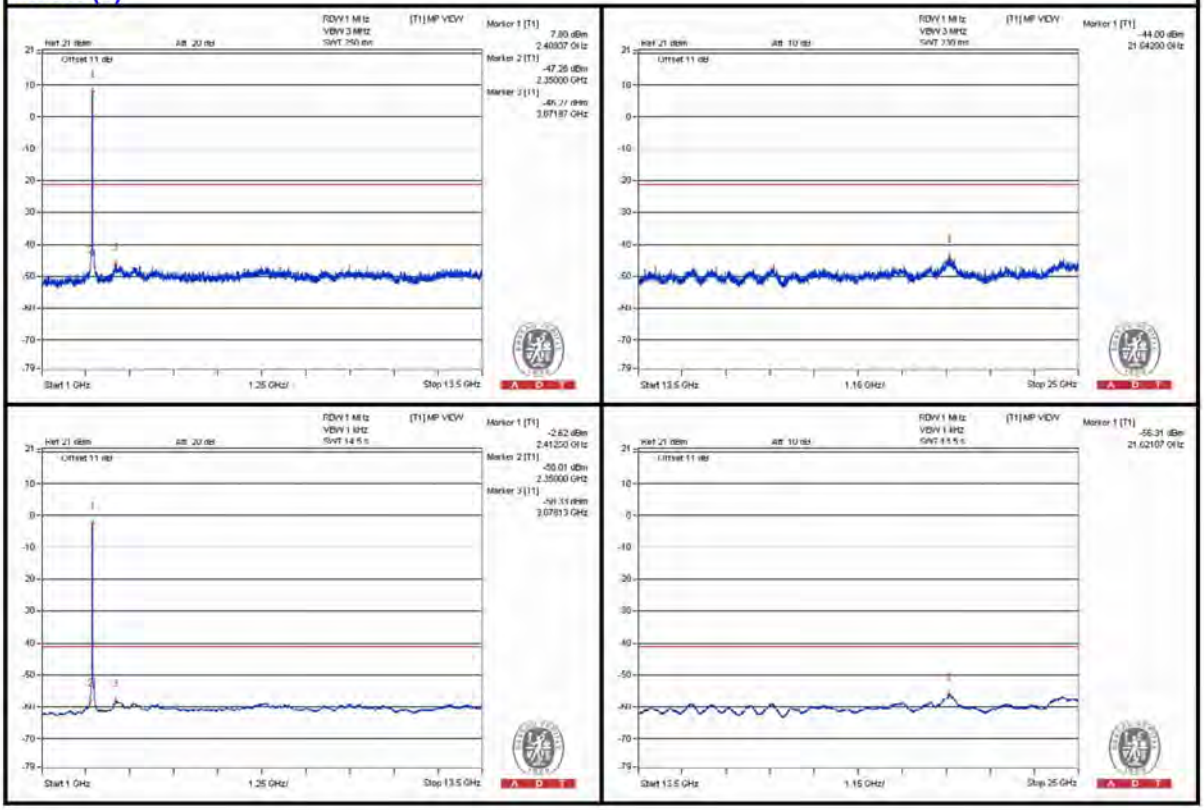
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1606.25 PK	52.96	74	-21.04	-51.97	-51.92	6.63	-42.3
2	1609.375 AV	42.53	54	-11.47	-62.4	-62.35	6.63	-52.73
3	4825 PK	57.43	74	-16.57	-45.88	-50.02	6.63	-37.83
4	4825 AV	47.6	54	-6.4	-55.95	-59.27	6.63	-47.66

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

Chain (0)



Chain (1)

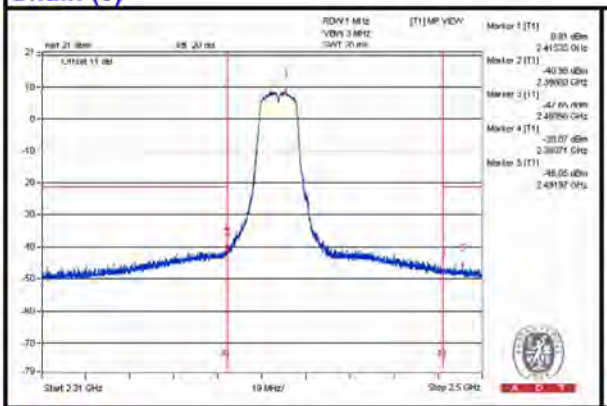


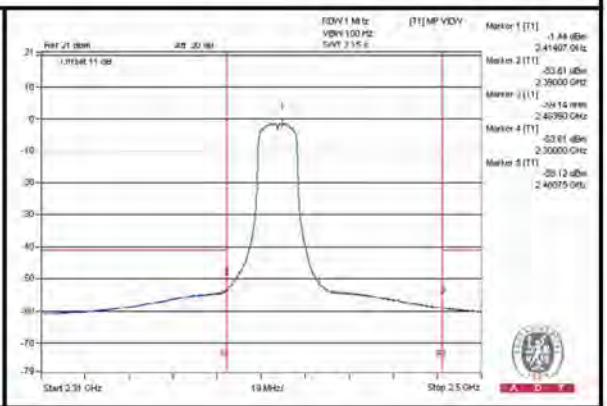
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2389.705 PK	64	74	-10	-39.97	-42.08	6.63	-31.26
2	2389.99 AV	51.2	54	-2.8	-53.62	-53.79	6.63	-44.06
3	2487.745 PK	58.37	74	-15.63	-46.81	-46.26	6.63	-36.89
4	2483.755 AV	45.6	54	-8.4	-59.12	-59.48	6.63	-49.66

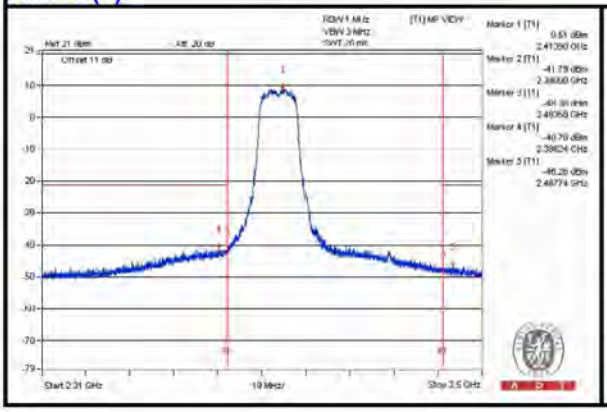
Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

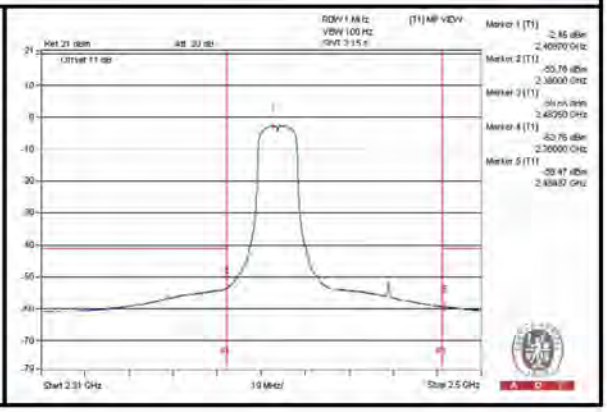
Chain (0)





Chain (1)





802.11g - Channel 6

Conducted spurious emission table

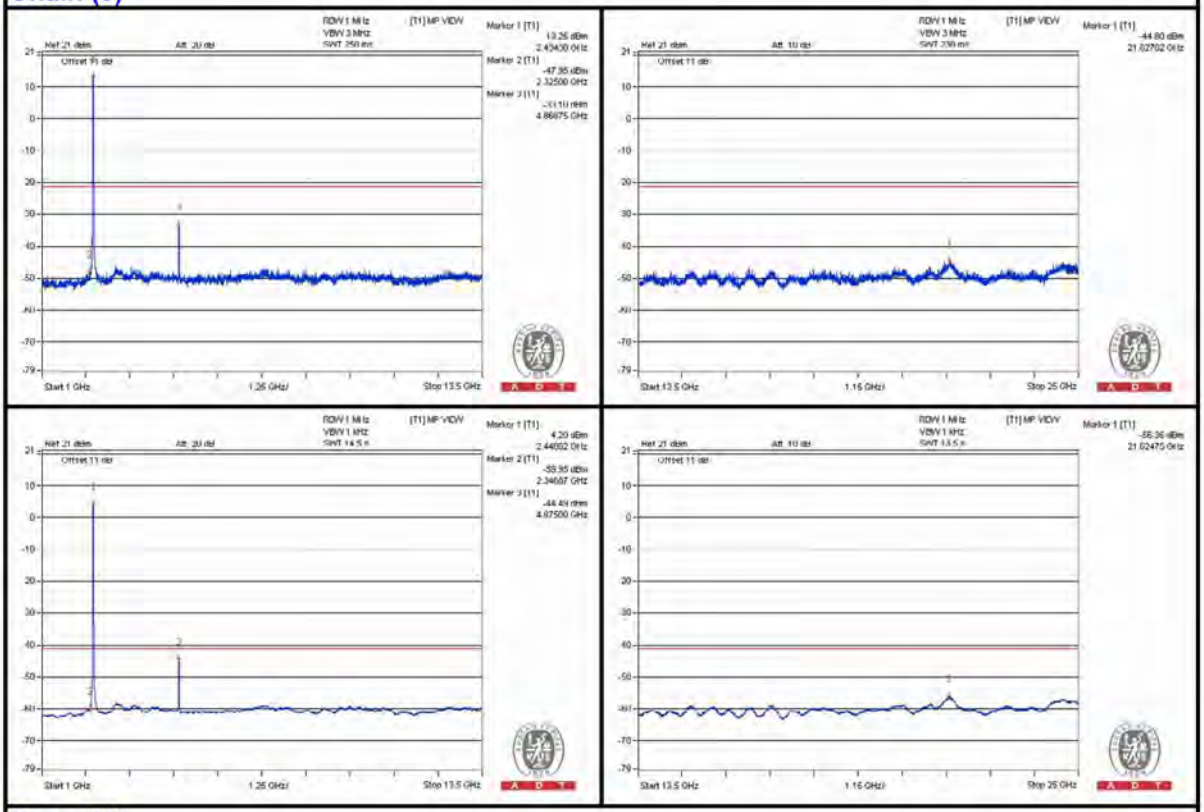
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1625 PK	53.18	74	-20.82	-51.18	-52.33	6.63	-42.08
2	1625 AV	42.55	54	-11.45	-62.43	-62.27	6.63	-52.71
3	4875 PK	68.74	74	-5.26	-33.29	-48.29	6.63	-26.52
4	4875 AV	57.55	54	* 3.55	-44.49	-58.94	6.63	-37.71
5	7309.375 PK	56.55	74	-17.45	-49.1	-47.71	6.63	-38.71
6	7312.5 AV	45.46	54	-8.54	-59.54	-59.34	6.63	-49.8

Note :

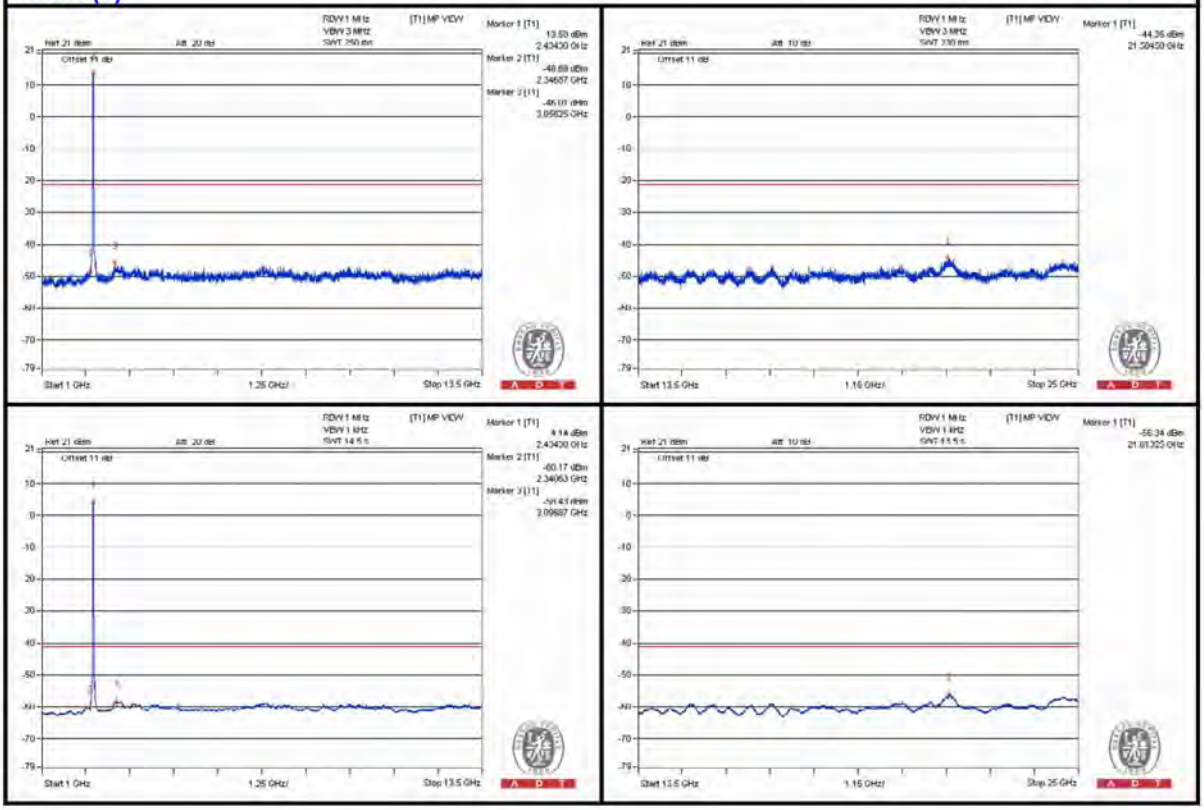
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

Chain (0)



Chain (1)

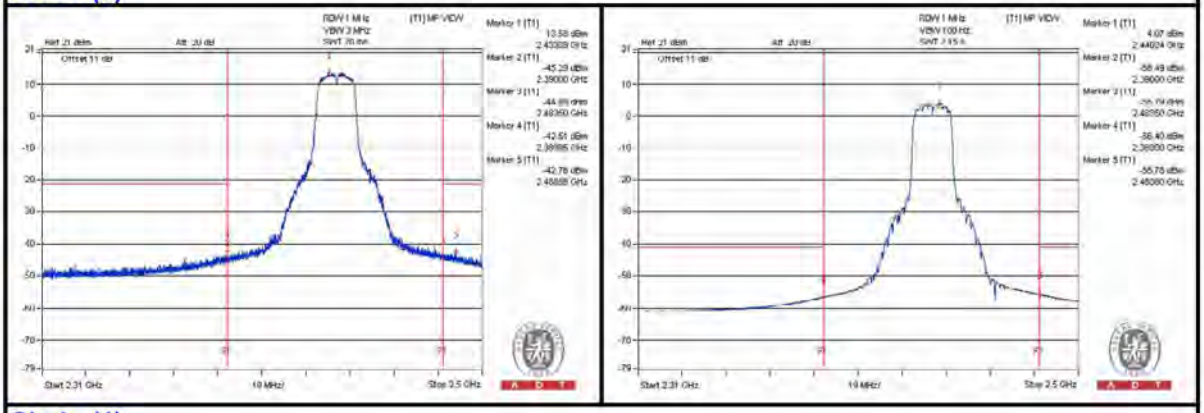


Bandedge table

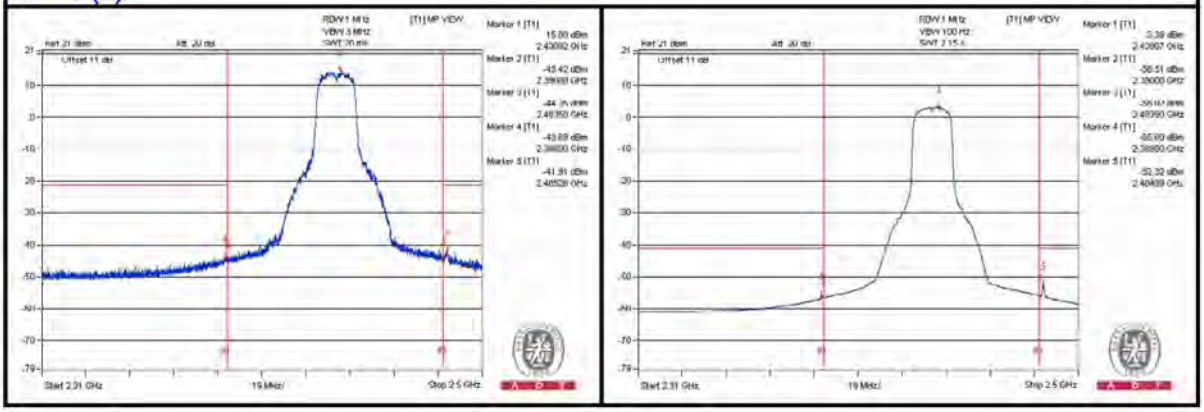
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2389.8475 PK	61.04	74	-12.96	-42.51	-45.82	6.63	-34.22
2	2388.8975 AV	48.75	54	-5.25	-56.67	-55.69	6.63	-46.51
3	2484.9425 PK	61.84	74	-12.16	-44.23	-42.14	6.63	-33.42
4	2484.99 AV	51.11	54	-2.89	-56.02	-52.32	6.63	-44.15

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

Chain (0)



Chain (1)



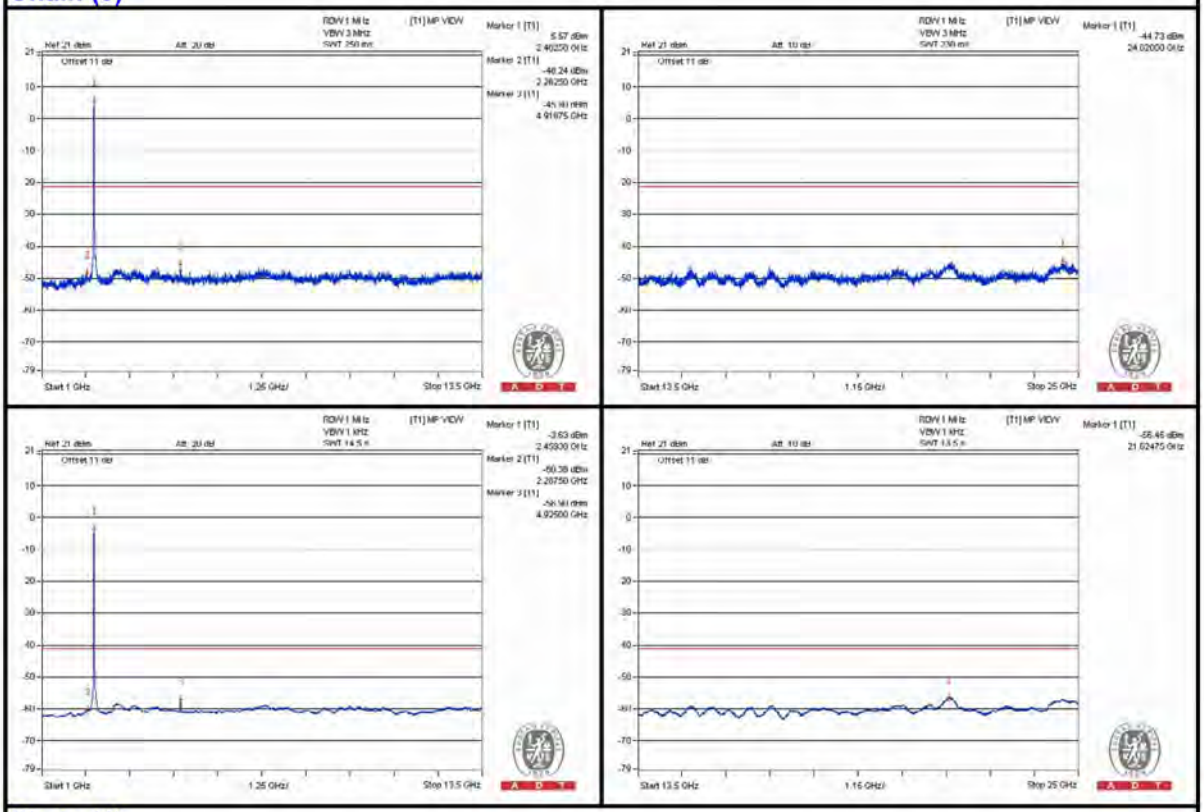
802.11g - Channel 11

Conducted spurious emission table

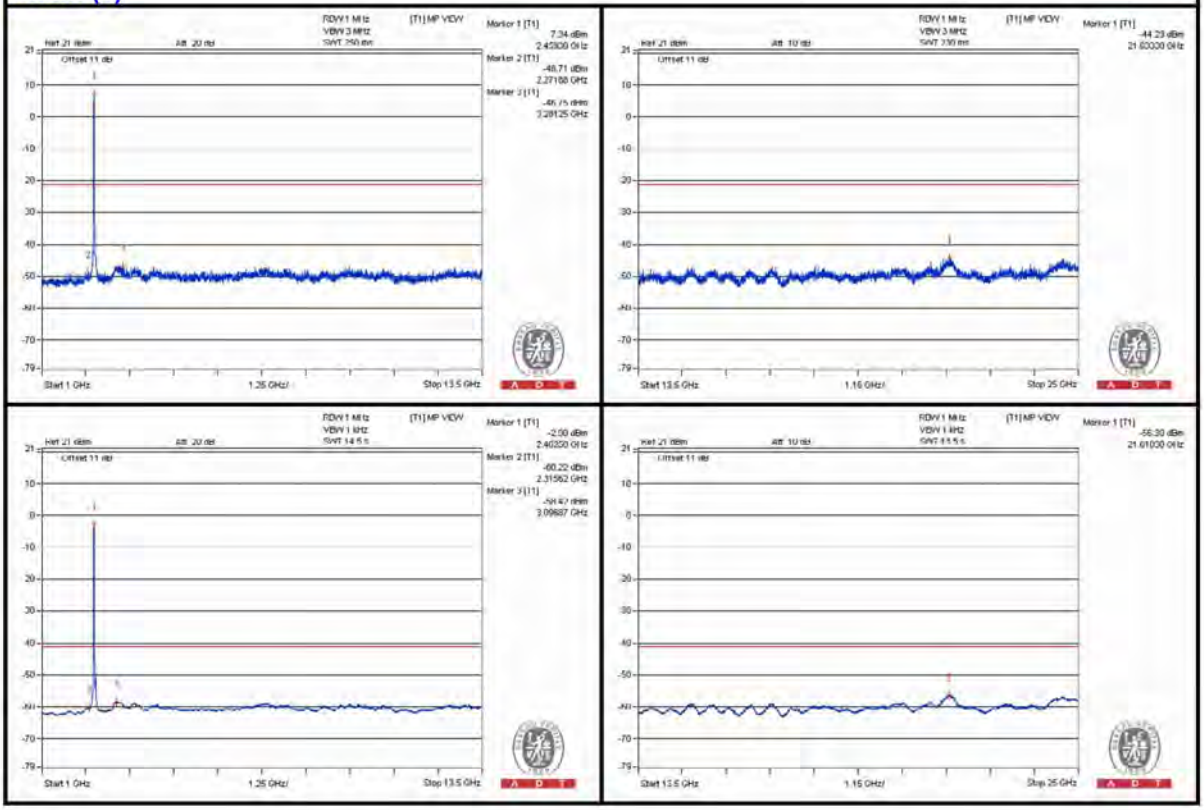
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4925 PK	56.34	74	-17.66	-47.32	-50.29	6.63	-38.92
2	4925 AV	46.38	54	-7.62	-56.9	-61.14	6.63	-48.88
3	7387.5 PK	56.24	74	-17.76	-48.37	-48.97	6.63	-39.02
4	7387.5 AV	45.6	54	-8.4	-59.41	-59.19	6.63	-49.66

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

Chain (0)



Chain (1)

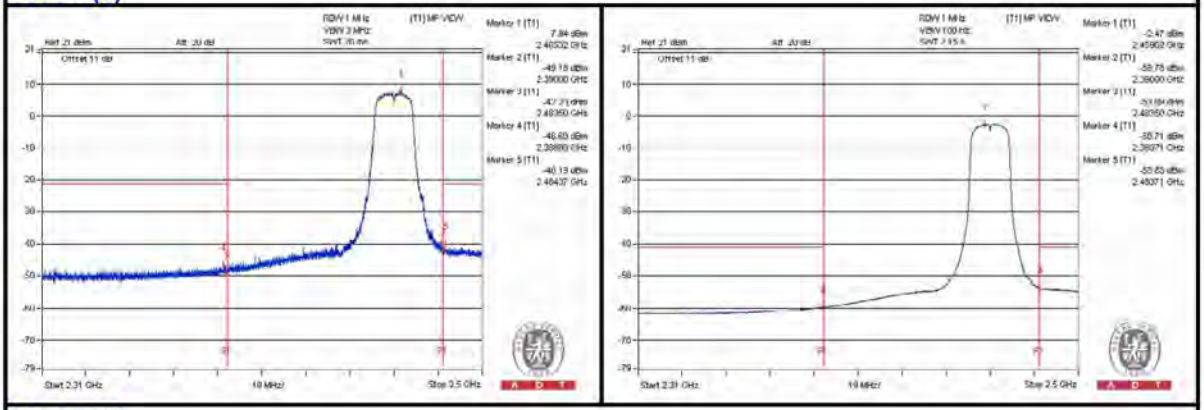


Bandedge table

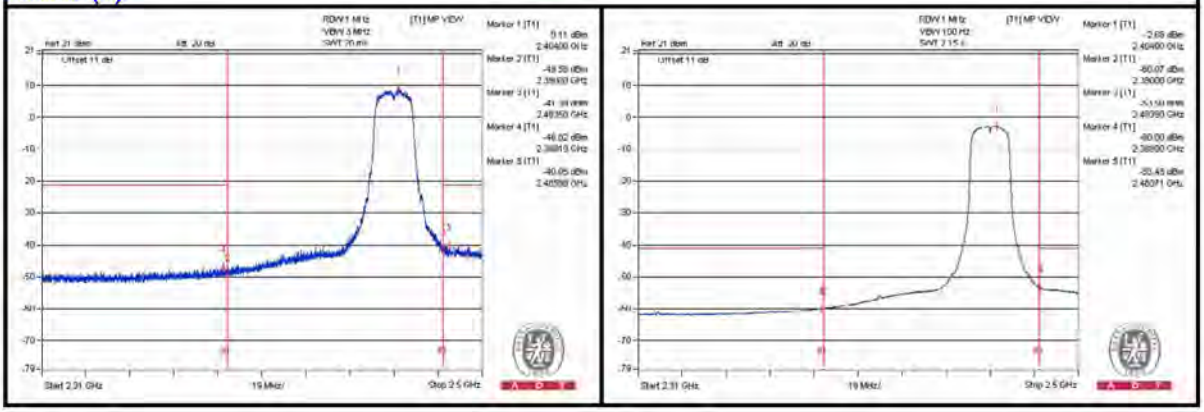
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2389.325 PK	57.33	74	-16.67	-46.81	-48.49	6.63	-37.93
2	2388.8975 AV	45.04	54	-8.96	-59.73	-60	6.63	-50.22
3	2484.3725 PK	64.25	74	-9.75	-40.19	-41.17	6.63	-31.01
4	2483.7075 AV	51.26	54	-2.74	-53.83	-53.45	6.63	-44

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

Chain (0)



Chain (1)



VHT20 - Channel 1

Conducted spurious emission table

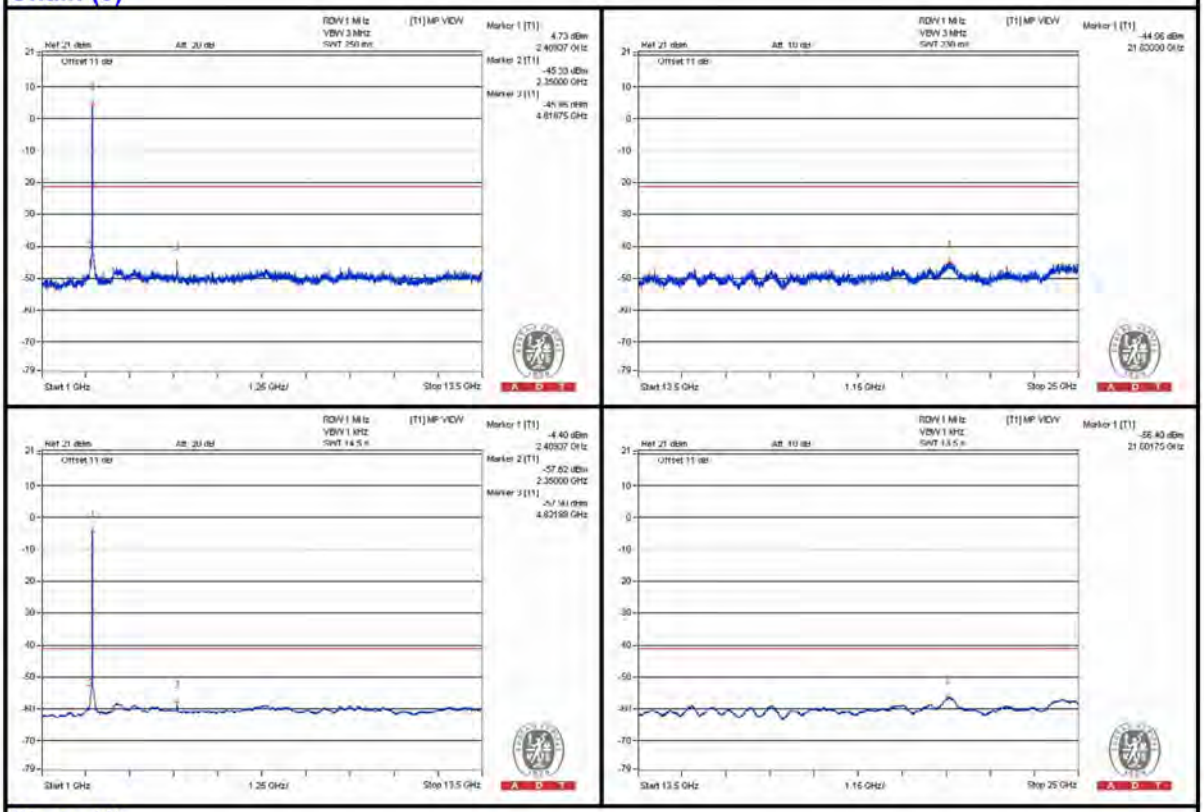
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1609.375 PK	52.5	74	-21.5	-52.02	-52.82	6.63	-42.76
2	1609.375 AV	42.52	54	-11.48	-62.41	-62.36	6.63	-52.74
3	4825 PK	56.72	74	-17.28	-46.65	-50.58	6.63	-38.54
4	4825 AV	46.14	54	-7.86	-58.02	-59.65	6.63	-49.12

Note :

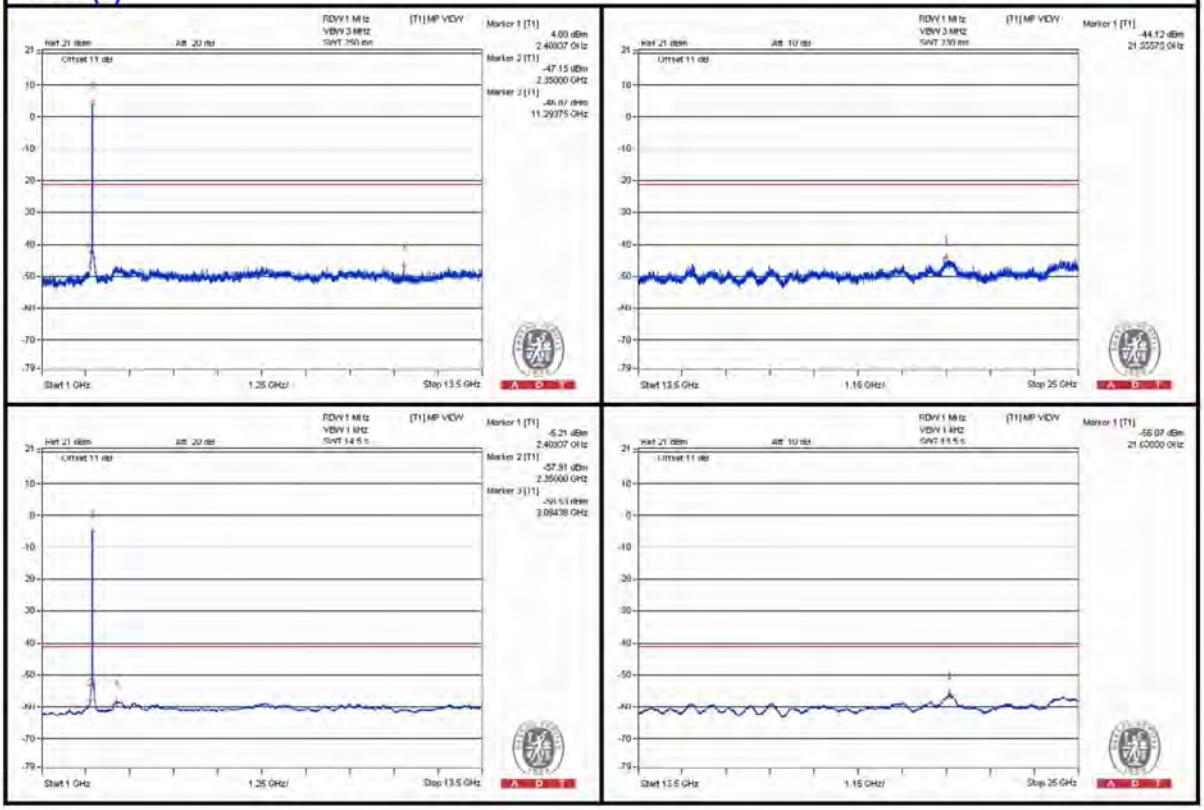
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

Chain (0)



Chain (1)

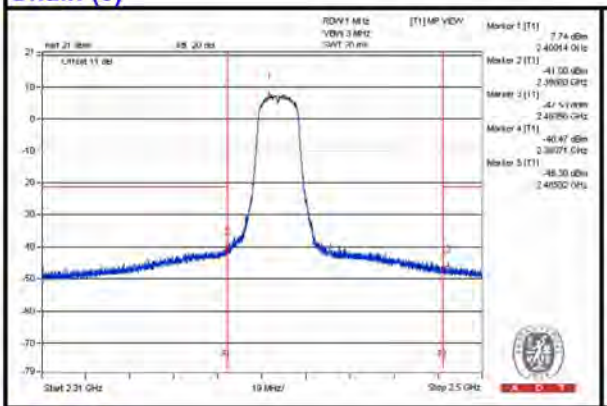


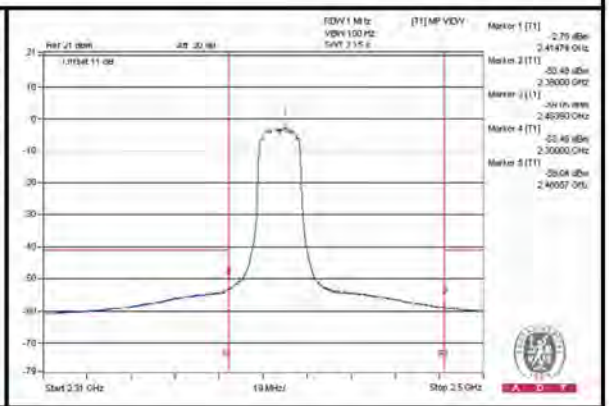
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2389.8 PK	64.62	74	-9.38	-41.52	-39.32	6.63	-30.64
2	2389.99 AV	51.36	54	-2.64	-53.49	-53.6	6.63	-43.9
3	2483.945 PK	58.45	74	-15.55	-46.6	-46.31	6.63	-36.81
4	2483.9925 AV	45.66	54	-8.34	-59.09	-59.39	6.63	-49.6

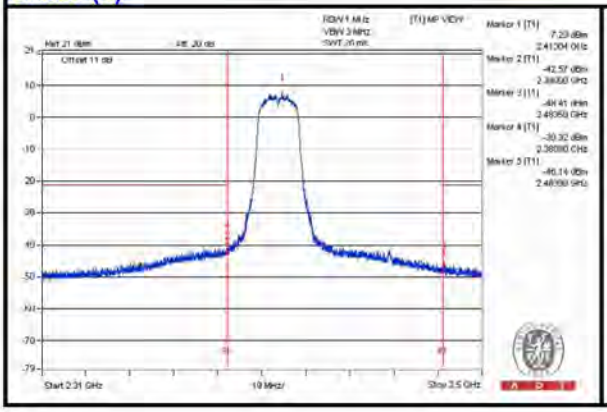
Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

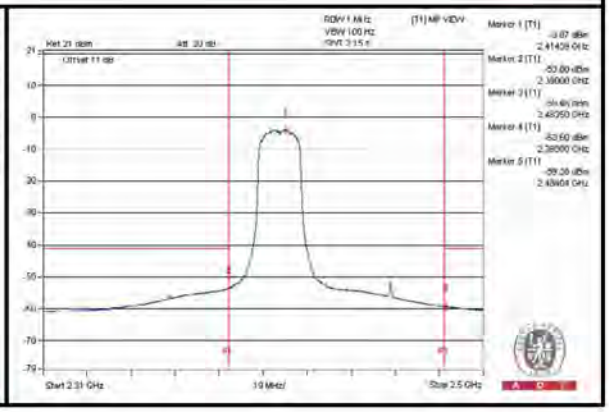
Chain (0)





Chain (1)





VHT20 - Channel 6

Conducted spurious emission table

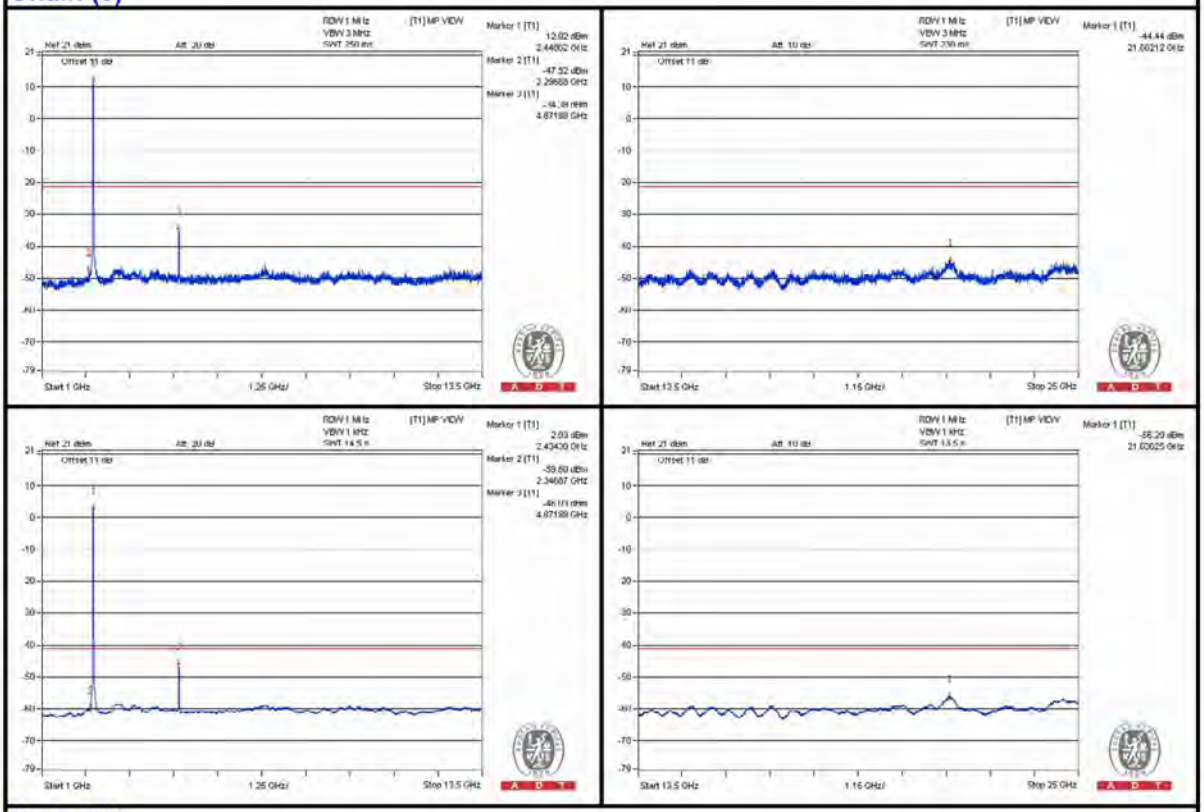
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1625 PK	53.7	74	-20.3	-50.81	-51.62	6.63	-41.56
2	1625 AV	42.68	54	-11.32	-62.34	-62.1	6.63	-52.58
3	4875 PK	65.99	74	-8.01	-36.09	-49.48	6.63	-29.27
4	4875 AV	55.48	54	* 1.48	-46.64	-59.33	6.63	-39.78
5	7309.375 PK	56.42	74	-17.58	-48.05	-48.96	6.63	-38.84
6	7309.375 AV	45.47	54	-8.53	-59.46	-59.4	6.63	-49.79

Note :

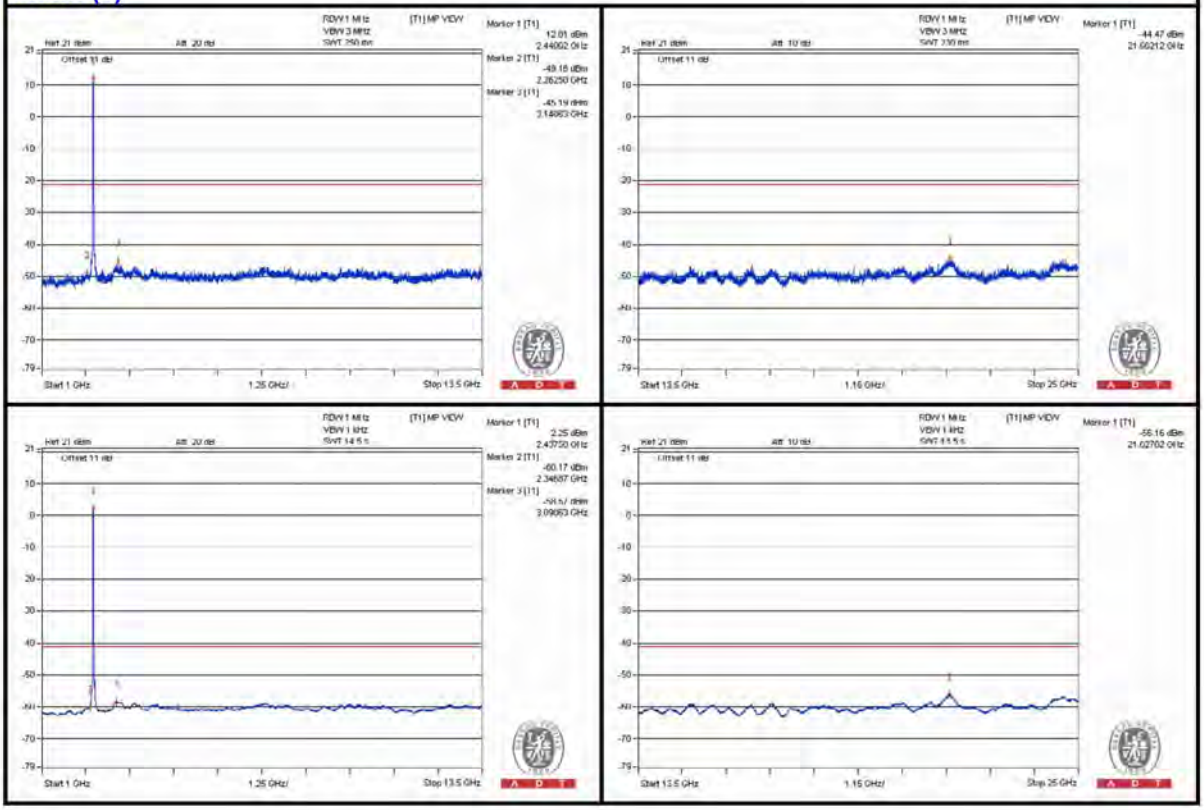
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

Chain (0)



Chain (1)

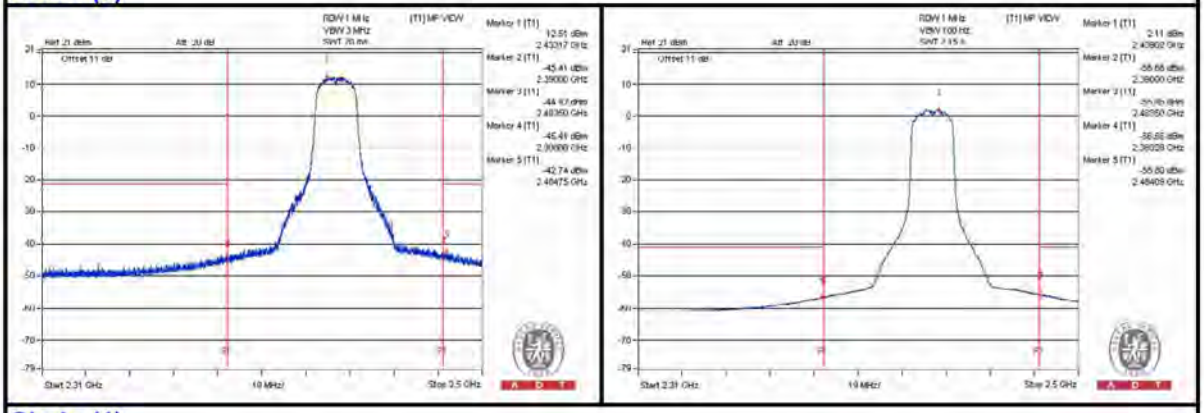


Bandedge table

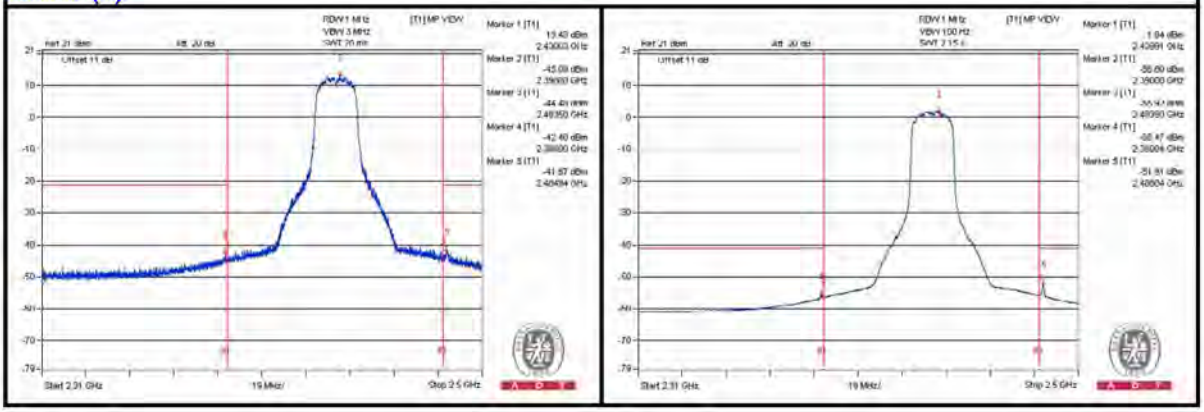
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2388.9925 PK	61.17	74	-12.83	-45.65	-42.4	6.63	-34.09
2	2389.04 AV	48.88	54	-5.12	-56.65	-55.47	6.63	-46.38
3	2484.9425 PK	62.16	74	-11.84	-44.17	-41.67	6.63	-33.1
4	2485.0375 AV	51.38	54	-2.62	-56.09	-51.91	6.63	-43.88

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

Chain (0)



Chain (1)



VHT20 - Channel 11

Conducted spurious emission table

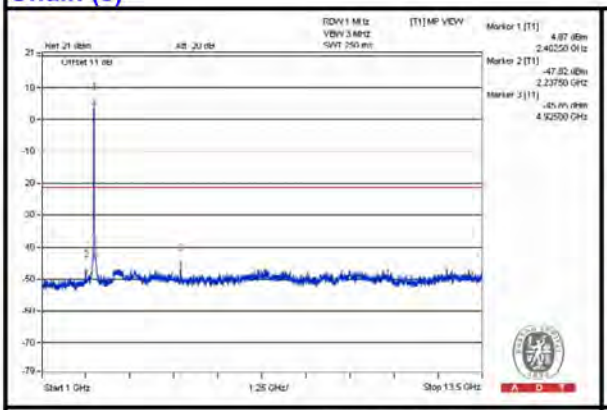
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4925 PK	57.34	74	-16.66	-45.85	-50.43	6.63	-37.92
2	4925 AV	46.39	54	-7.61	-57.44	-59.94	6.63	-48.87
3	7387.5 PK	56.58	74	-17.42	-47.64	-49.12	6.63	-38.68
4	7384.375 AV	45.77	54	-8.23	-59.11	-59.15	6.63	-49.49

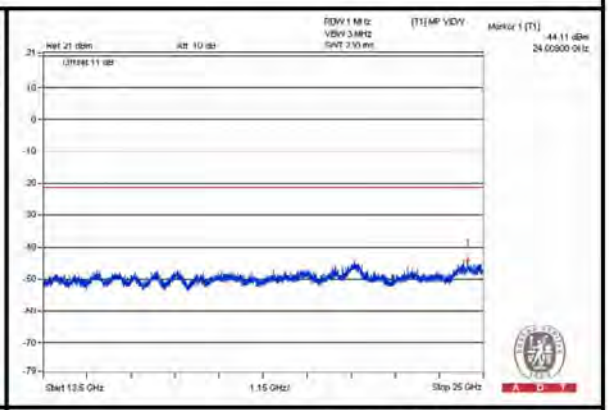
Note :

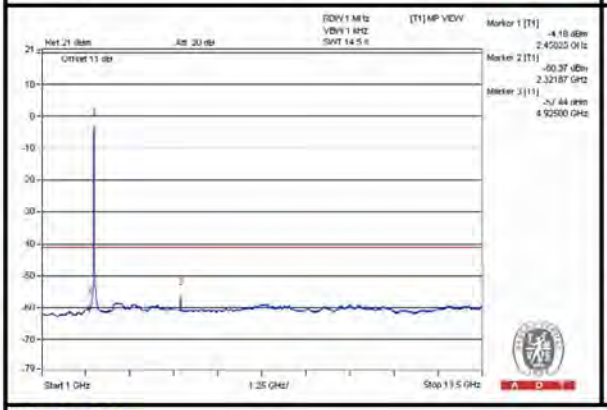
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

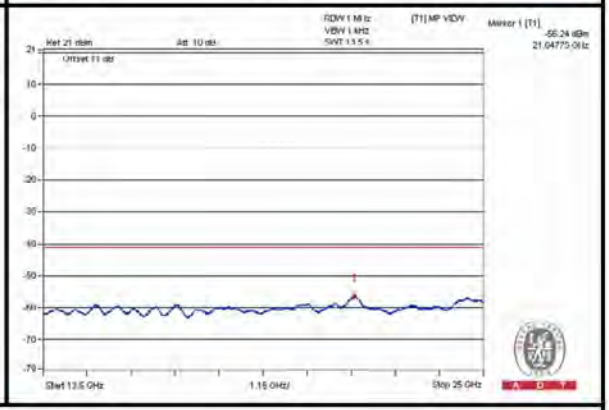
d = measurement distance in 3 meters.

Chain (0)

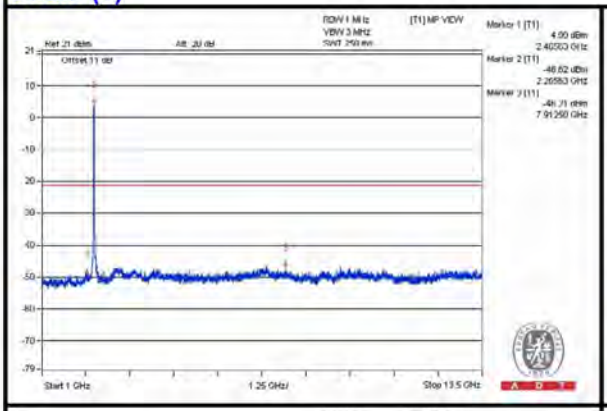


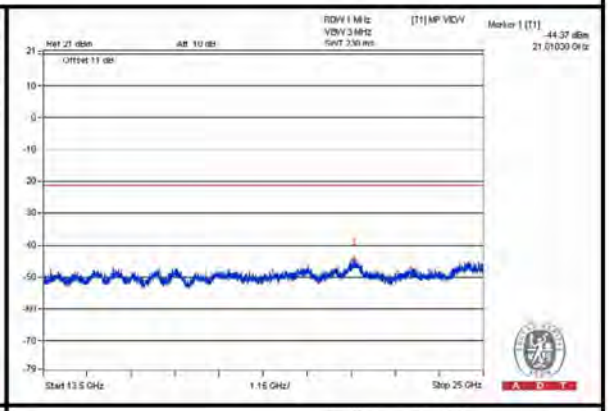


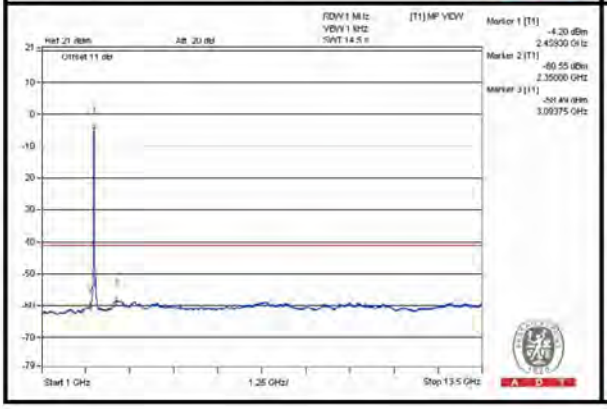


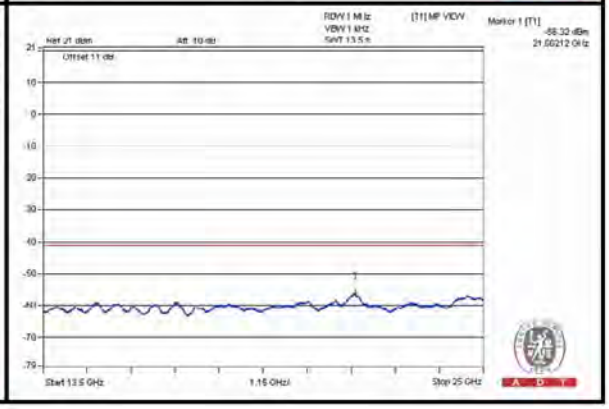


Chain (1)







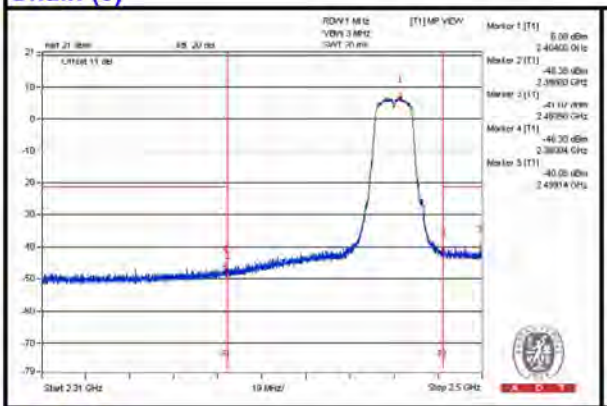


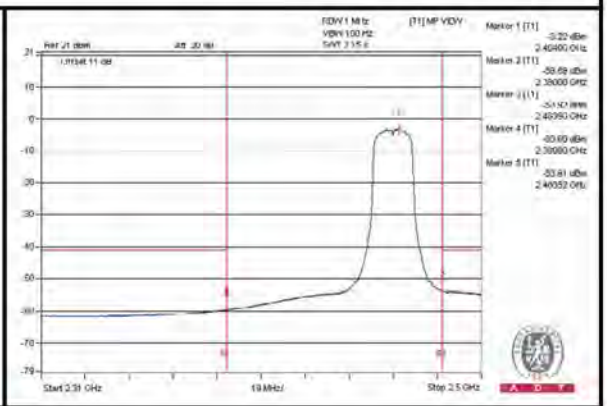
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2389.04 PK	57.72	74	-16.28	-46.39	-48.14	6.63	-37.54
2	2389.6575 AV	45.06	54	-8.94	-59.75	-59.94	6.63	-50.2
3	2483.565 PK	65.18	74	-8.82	-40.69	-38.92	6.63	-30.08
4	2483.5175 AV	51.15	54	-2.85	-53.91	-53.59	6.63	-44.11

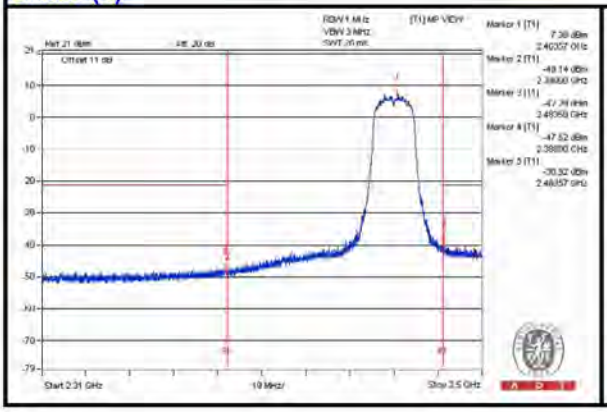
Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

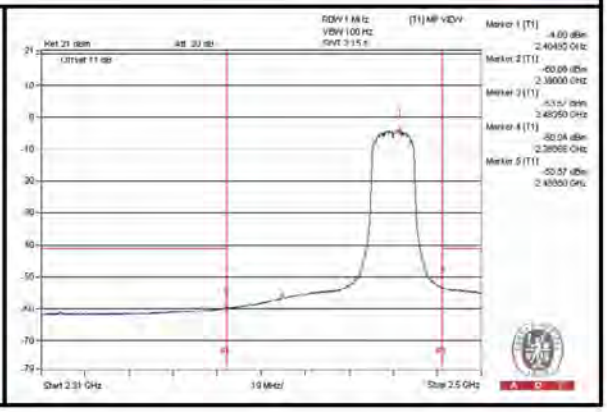
Chain (0)





Chain (1)





VHT40 - Channel 3

Conducted spurious emission table

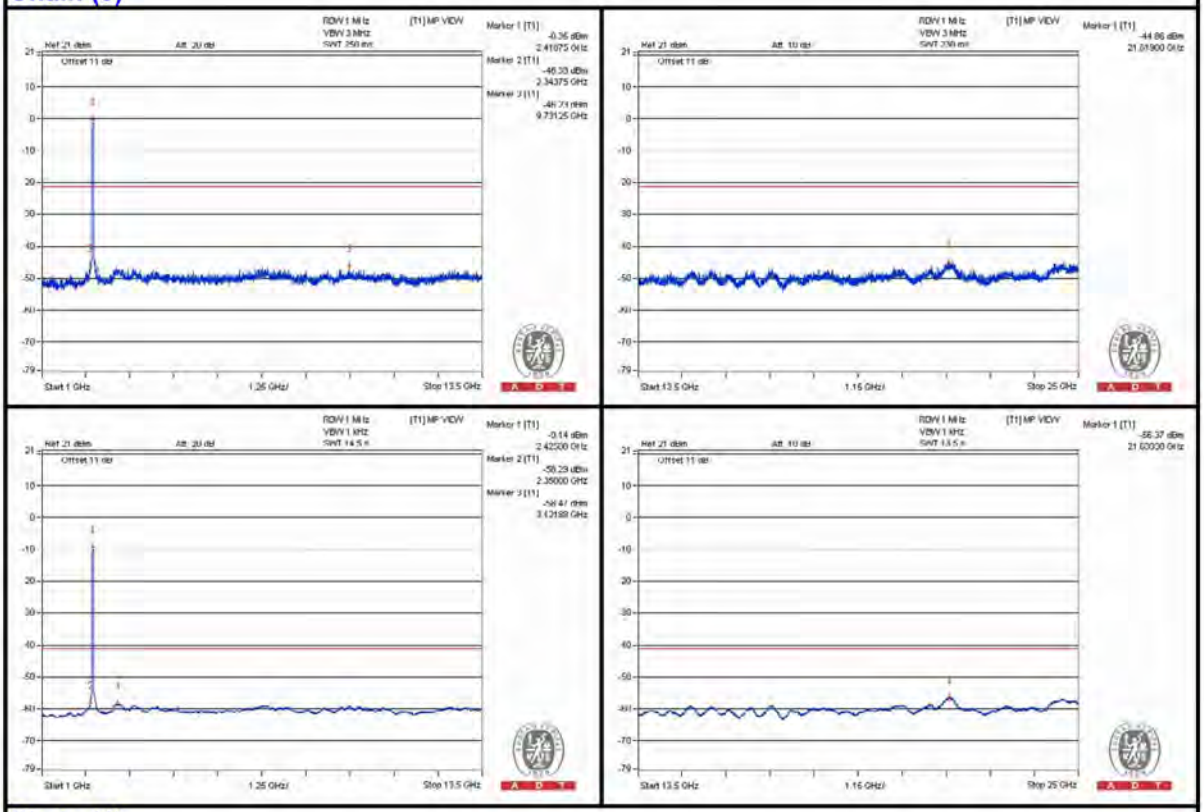
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1615.625 PK	51.94	74	-22.06	-53.1	-52.82	6.63	-43.32
2	1615.625 AV	42.55	54	-11.45	-62.32	-62.38	6.63	-52.71
3	4843.75 PK	55.21	74	-18.79	-49.94	-49.46	6.63	-40.05
4	4843.75 AV	45.51	54	-8.49	-59.4	-59.39	6.63	-49.75
5	7265.625 PK	56.05	74	-17.95	-49.57	-48.24	6.63	-39.21
6	7265.625 AV	45.51	54	-8.49	-59.44	-59.35	6.63	-49.75

Note :

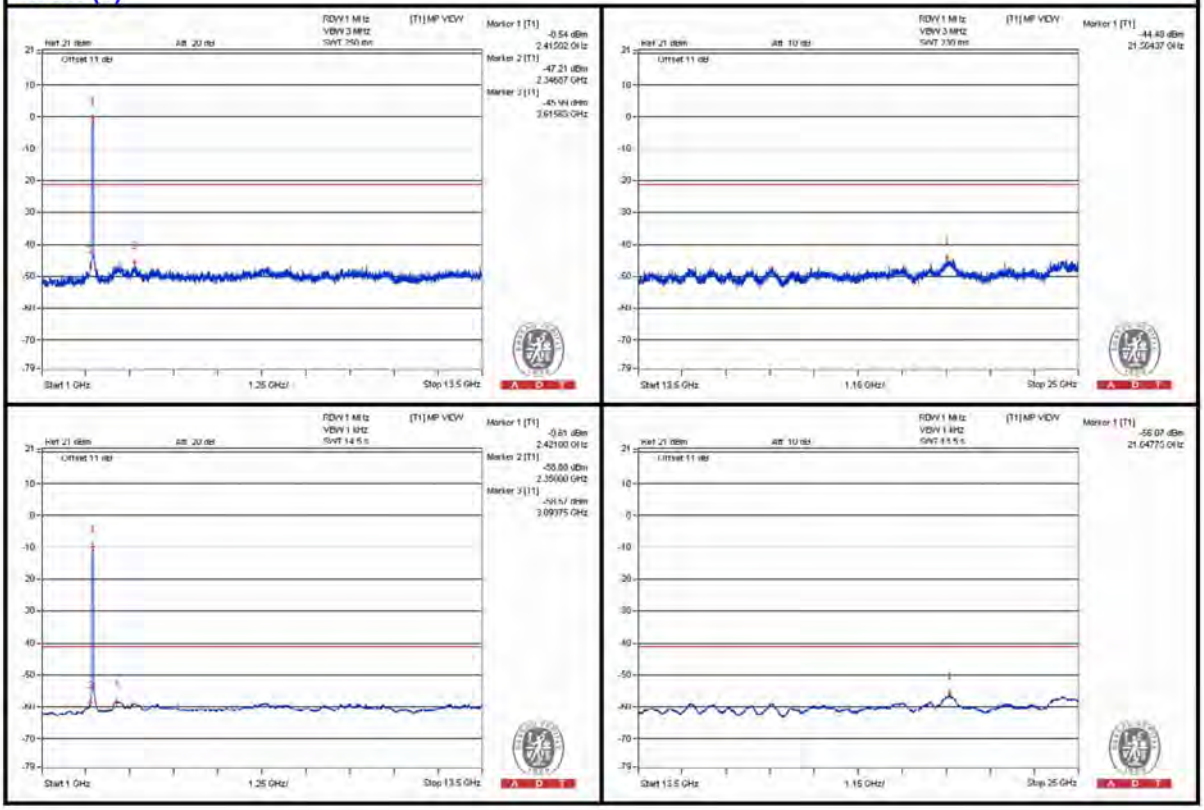
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

Chain (0)



Chain (1)

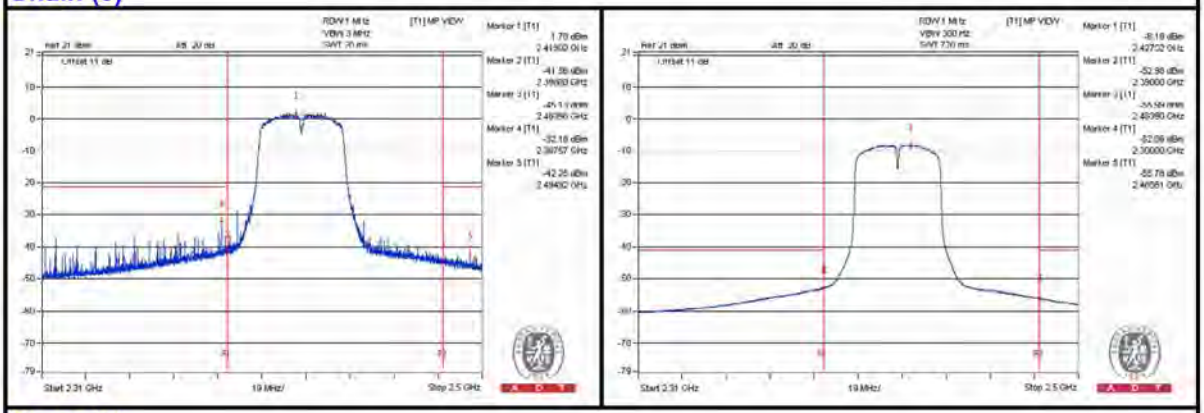


Bandedge table

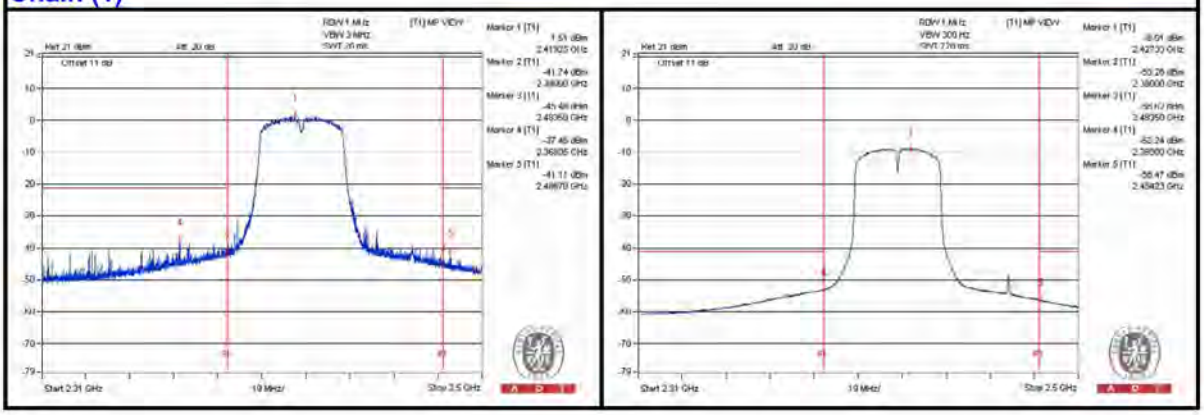
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2387.5675 PK	70.12	74	-3.88	-32.18	-42.24	6.63	-25.14
2	2389.99 AV	51.79	54	-2.21	-52.98	-53.24	6.63	-43.47
3	2486.7 PK	62.31	74	-11.69	-44.86	-41.11	6.63	-32.95
4	2483.66 AV	48.74	54	-5.26	-55.81	-56.55	6.63	-46.52

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

Chain (0)



Chain (1)



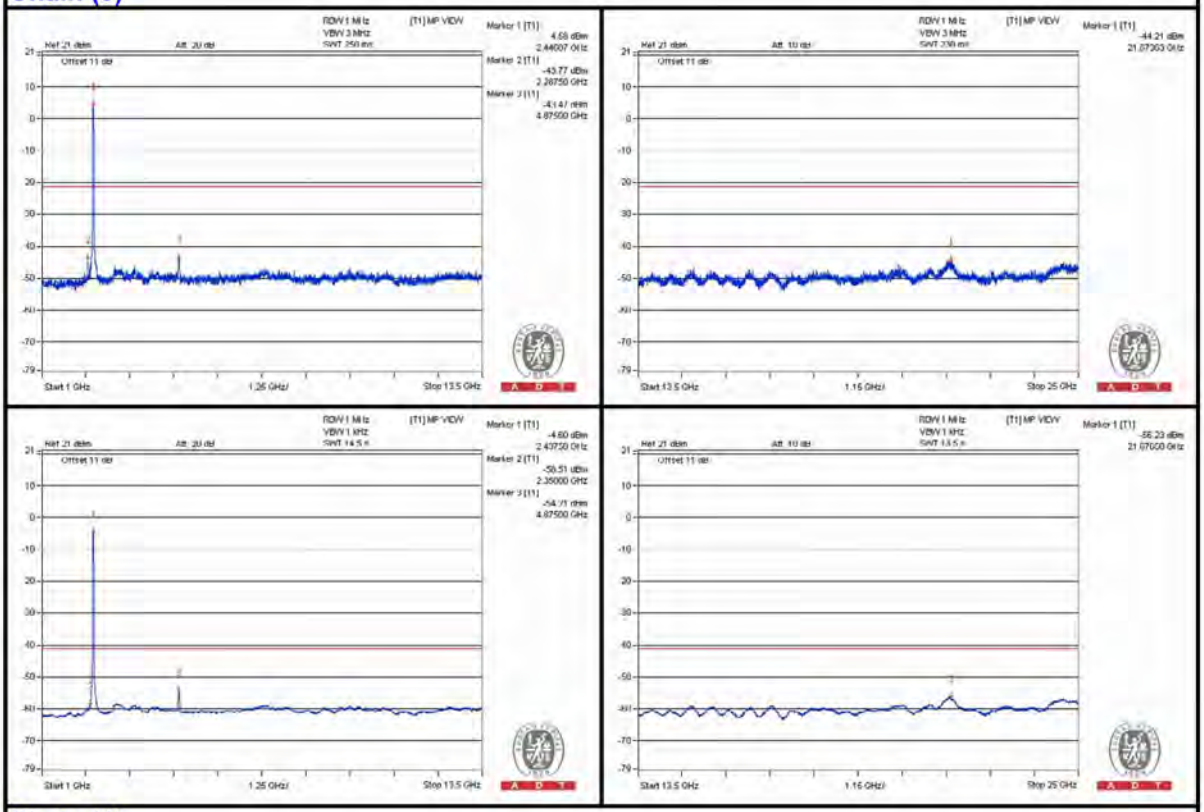
VHT40 - Channel 6

Conducted spurious emission table

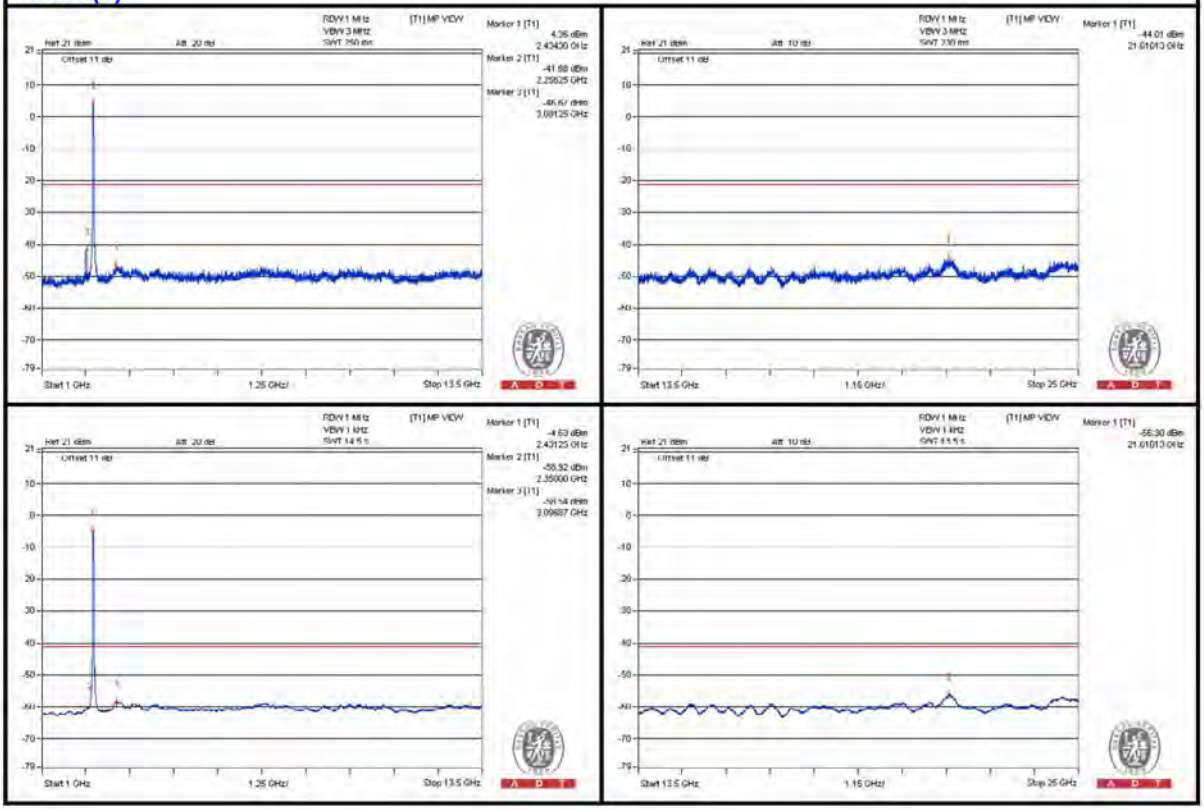
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	1625 PK	52.62	74	-21.38	-51.82	-52.8	6.63	-42.64
2	1625 AV	42.66	54	-11.34	-62.17	-62.31	6.63	-52.6
3	4875 PK	59.11	74	-14.89	-43.47	-51.08	6.63	-36.15
4	4875 AV	48.55	54	-5.45	-54.21	-60.77	6.63	-46.71
5	7309.375 PK	57.07	74	-16.93	-47.04	-48.79	6.63	-38.19
6	7312.5 AV	45.54	54	-8.46	-59.29	-59.44	6.63	-49.72

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

Chain (0)



Chain (1)



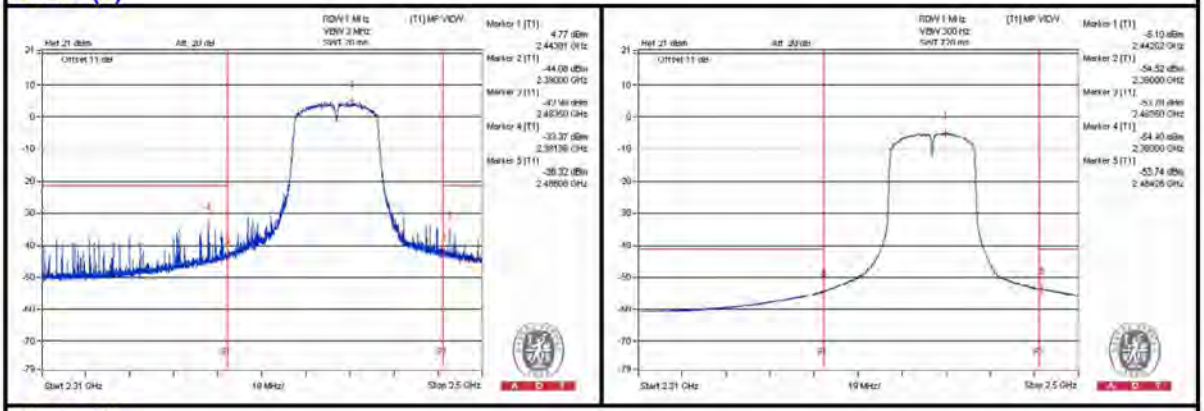
Bandedge table

No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2383.91 PK	69.06	74	-4.94	-44.63	-33.13	6.63	-26.2
2	2389.0875 AV	50.72	54	-3.28	-54.69	-53.73	6.63	-44.54
3	2486.0825 PK	66.4	74	-7.6	-36.32	-43.08	6.63	-28.86
4	2484.99 AV	54.65	54	* 0.65	-53.9	-48.29	6.63	-40.61

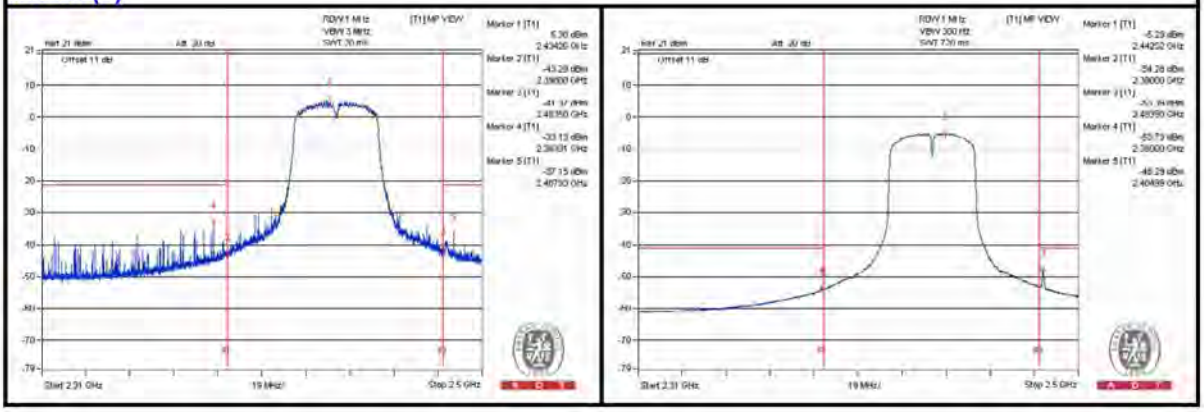
Note :
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8
d = measurement distance in 3 meters.

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

Chain (0)



Chain (1)



VHT40 - Channel 9

Conducted spurious emission table

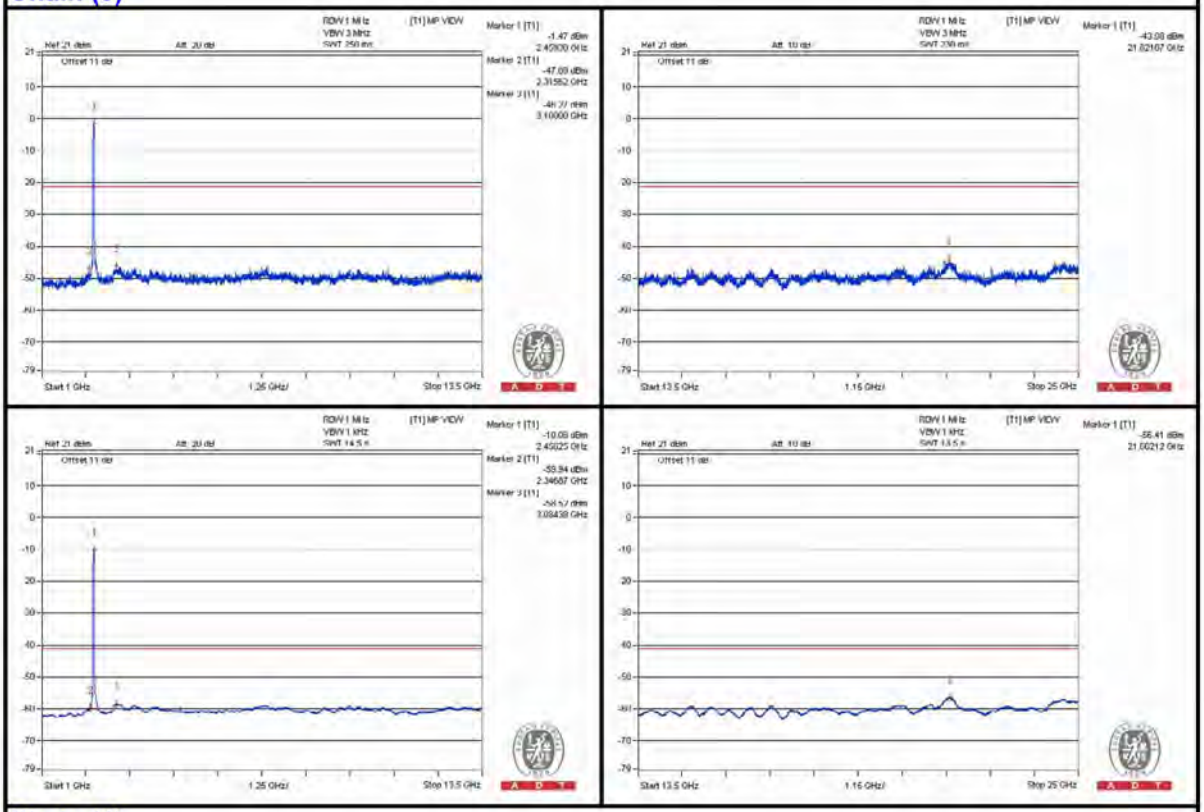
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	4903.125 PK	55.05	74	-18.95	-48.7	-51.42	6.63	-40.21
2	4903.125 AV	45.47	54	-8.53	-59.57	-59.3	6.63	-49.79
3	7356.25 PK	56.18	74	-17.82	-48.63	-48.82	6.63	-39.08
4	7356.25 AV	45.94	54	-8.06	-59.13	-58.8	6.63	-49.32

Note :

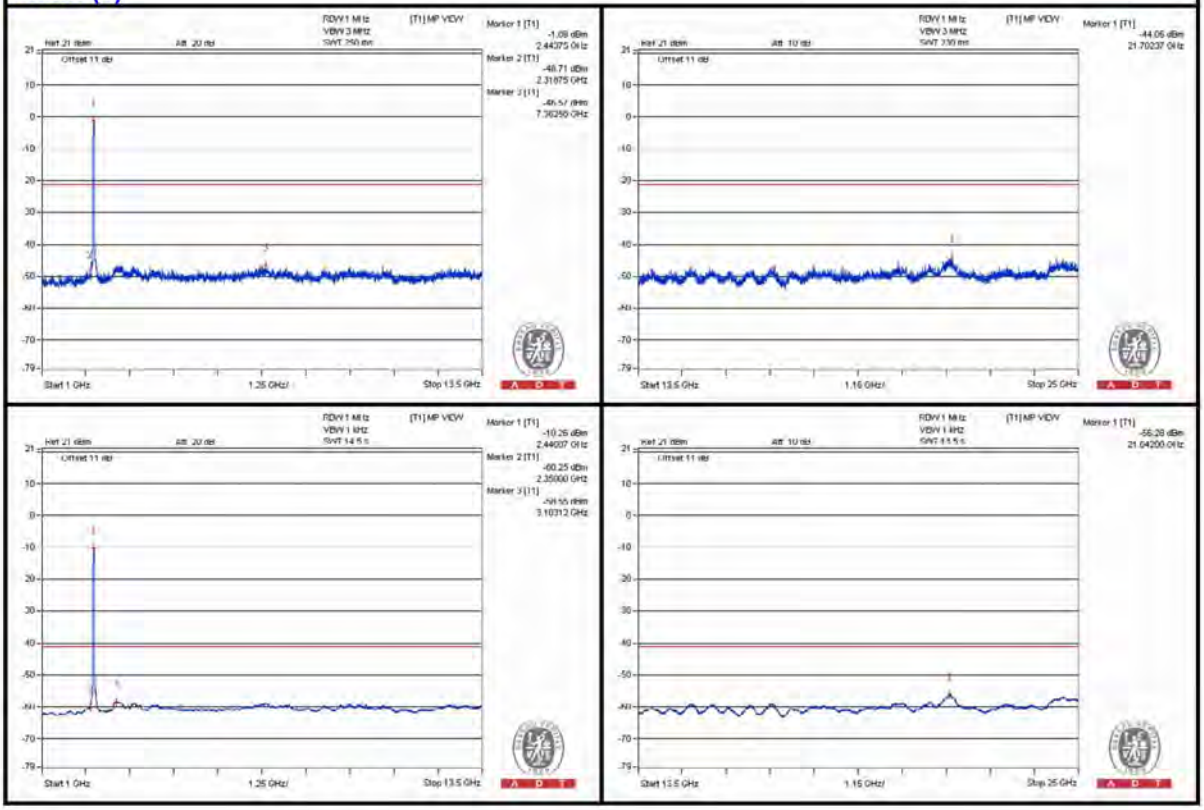
Emission Level (dBuV/m) = EIRP Level (dBm) – 20log(d) + 104.8

d = measurement distance in 3 meters.

Chain (0)



Chain (1)

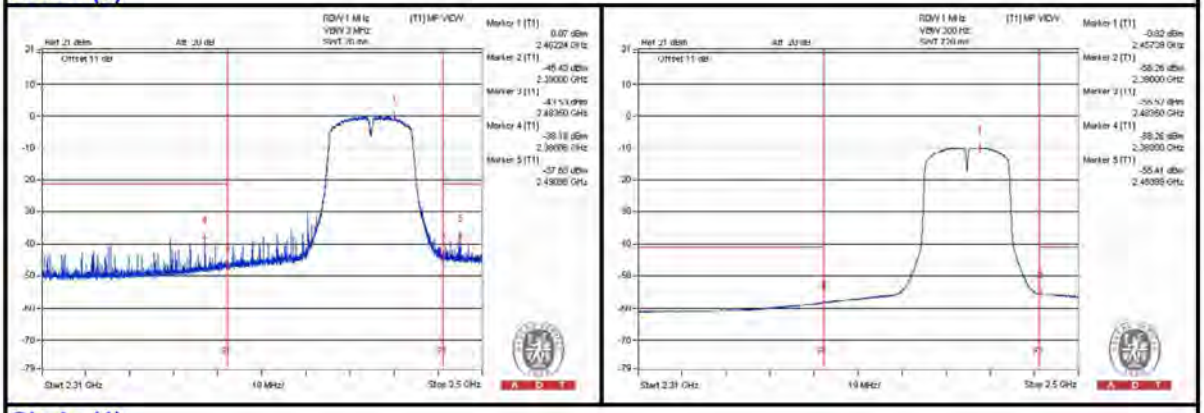


Bandedge table

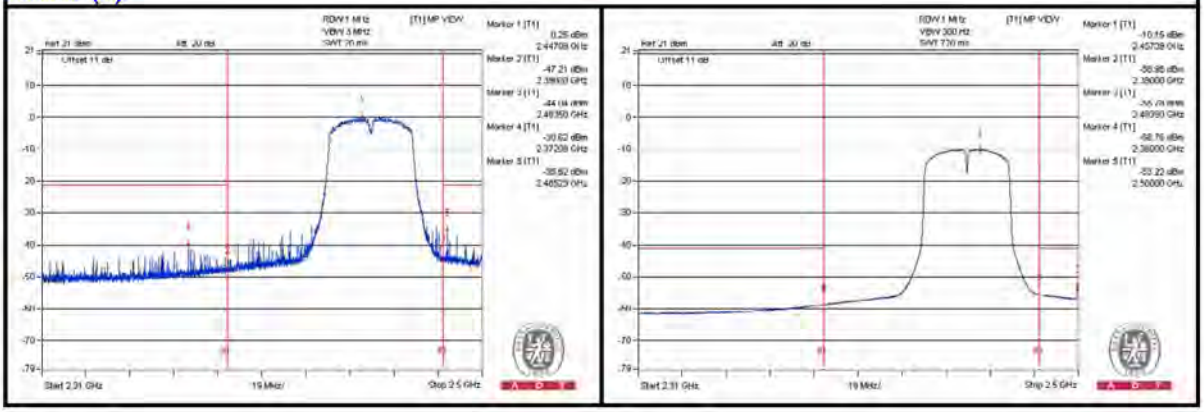
No.	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw Value (dBm)		Correction Factor (dB)	EIRP Level (dBm)
					Chain0	Chain1		
1	2385.4775 PK	62.43	74	-11.57	-47.14	-40.27	6.63	-32.83
2	2389.1825 AV	46.84	54	-7.16	-57.82	-58.32	6.63	-48.42
3	2485.6075 PK	66.93	74	-7.07	-35.36	-45.52	6.63	-28.33
4	2499.9525 AV	50.69	54	-3.31	-56.12	-52.89	6.63	-44.57

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

Chain (0)



Chain (1)



4.6 AC POWER LINE CONDUCTED EMISSION MEASUREMENT

4.6.1 LIMITS OF AC POWER LINE CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	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 0.50 MHz.

4.6.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	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. 13, 2013	Nov. 12, 2014
RF Cable (JYEBAO)	5DFB	COCCAB-001	Mar. 10 , 2014	Mar. 09, 2015
50 ohms Terminator	N/A	EMC-03	Sep. 22, 2014	Sep. 21, 2015
50 ohms Terminator	N/A	EMC-02	Oct. 01, 2013	Sep. 30, 2014
Software ADT	BV ADT_Cond_V7.3.7.3	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 Shielded Room No. C.
3 The VCCI Con C Registration No. is C-3611.
4 Tested Date: Sep. 24, 2014

4.6.3 TEST PROCEDURES

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.

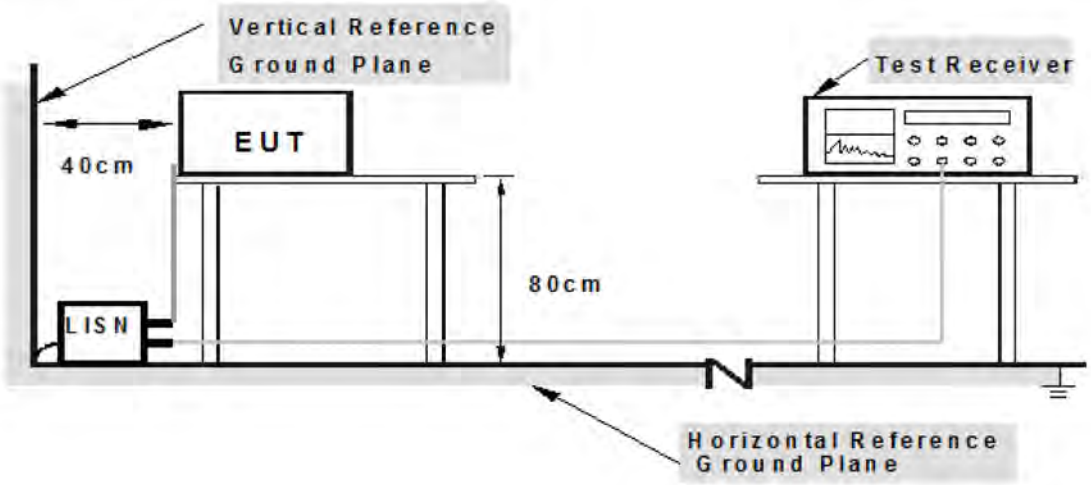
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

NOTE: The resolution bandwidth of test receiver is 9kHz for Quasi-peak detection (QP) & Average detection (AV).

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 related item – Photographs of the Test Configuration.

4.6.6 EUT OPERATING CONDITIONS

Same as Item 4.1.6

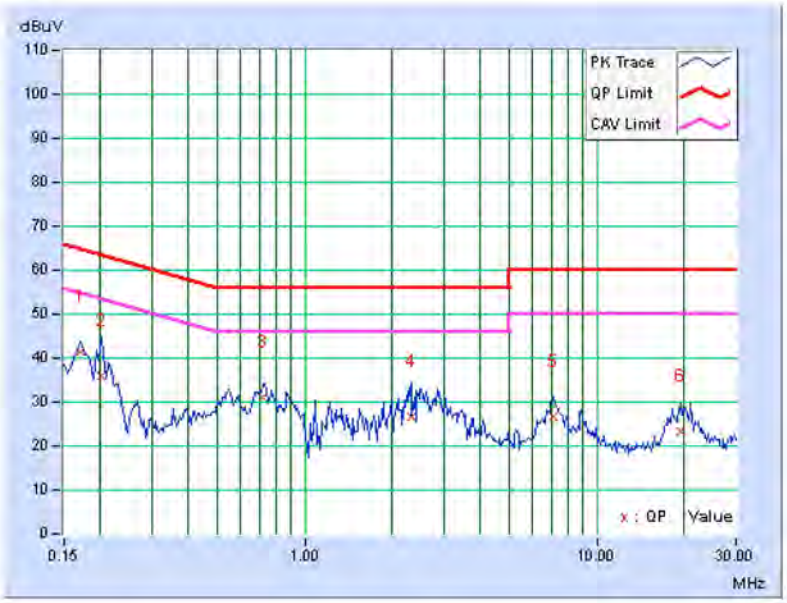
4.6.7 TEST RESULTS

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	0.16953	0.07	41.35	28.27	41.42	28.34	64.98	54.98	-23.57	-26.65
2	0.20078	0.07	35.99	12.89	36.06	12.96	63.58	53.58	-27.52	-40.62
3	0.72422	0.11	31.18	22.53	31.29	22.64	56.00	46.00	-24.71	-23.36
4	2.31641	0.18	26.65	19.11	26.83	19.29	56.00	46.00	-29.17	-26.71
5	7.08984	0.36	26.41	18.56	26.77	18.92	60.00	50.00	-33.23	-31.08
6	19.43359	0.70	22.52	16.66	23.22	17.36	60.00	50.00	-36.78	-32.64

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

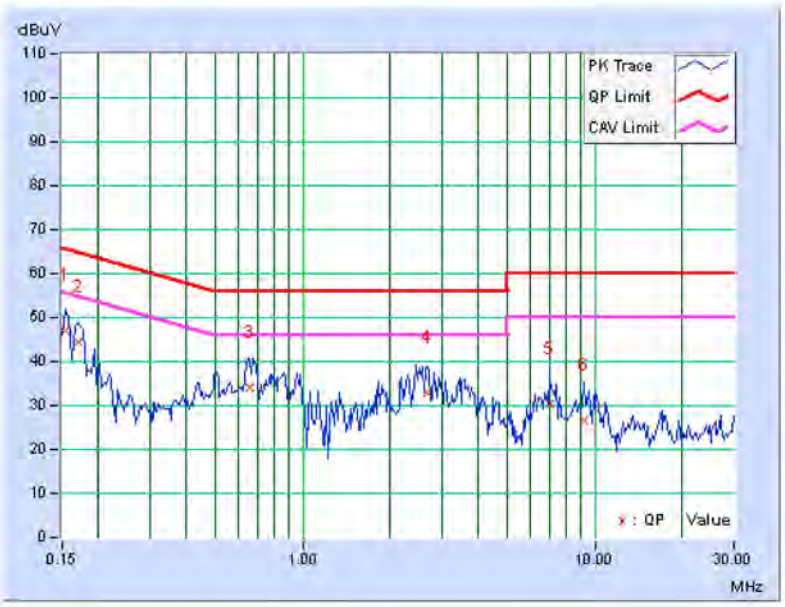


PHASE	Neutral (N)	DETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)

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	**0.15391**	**0.07**	**47.11**	**23.55**	**47.18**	**23.62**	**65.79**	**55.79**	**-18.60**	**-32.16**
2	0.16953	0.07	44.20	26.78	44.27	26.85	64.98	54.98	-20.71	-28.13
3	0.65781	0.11	34.11	17.41	34.22	17.52	56.00	46.00	-21.78	-28.48
4	2.67578	0.21	32.77	23.16	32.98	23.37	56.00	46.00	-23.02	-22.63
5	7.01953	0.36	29.85	19.87	30.21	20.23	60.00	50.00	-29.79	-29.77
6	9.16797	0.42	26.27	17.66	26.69	18.08	60.00	50.00	-33.31	-31.92

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. PHOTOGRAPHS OF THE TEST CONFIGURATION

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

6. 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: 886-2-26052943

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

Hwa Ya EMC/RF/Safety Lab:
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.

7.APPENDIX A - RADIATED EMISSION MEASUREMENT

7.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

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.

7.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
MXE EMI Receiver Agilent	N9038A	MY51210105	July 21, 2014	July 20, 2015
Pre-Amplifier Mini-Circuits	ZFL-1000VH2 B	AMP-ZFL-03	Nov. 13, 2013	Nov. 12, 2014
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-360	Feb. 26, 2014	Feb. 25, 2015
RF Cable	NA	CHGCAB_001	Oct. 04, 2014	Oct. 03, 2015
Horn_Antenna AISI	AIH.8018	0000320091110	Aug. 27, 2014	Aug. 26, 2015
Pre-Amplifier Agilent	8449B	3008A02578	June 24, 2014	June 23, 2015
RF Cable	NA	131205 131214 SNMY23684/4	Jan. 17, 2014	Jan. 16, 2015
Spectrum Analyzer R&S	FSV40	100964	July 05, 2014	July 04, 2015
Pre-Amplifier SPACEK LABS	SLKKa-48-6	9K16	Nov. 13, 2013	Nov. 12, 2014
Horn_Antenna SCHWARZBECK	BBHA 9170	9170-424	Aug. 26, 2014	Aug. 25, 2015
RF Cable	NA	RF104-121 RF104-204	Dec. 12, 2013	Dec. 11, 2014
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 horn antenna, preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
3 The test was performed in 966 Chamber No. G.
4. The FCC Site Registration No. is 966073.
5 The VCCI Site Registration No. is G-137.
6 The CANADA Site Registration No. is IC 7450H-2.
7 Tested Date: Oct. 14, 2014

7.1.3 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters 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.

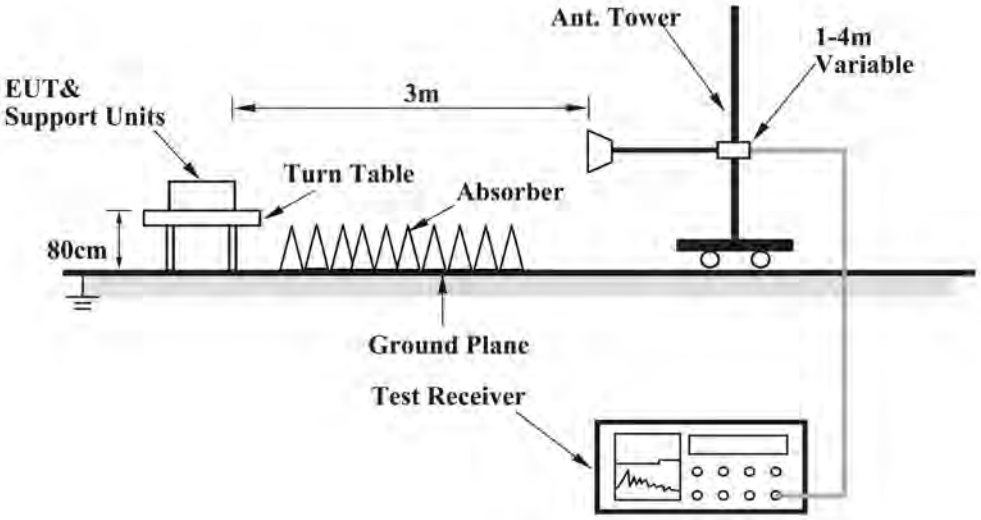
NOTE:

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.

7.1.4 DEVIATION FROM TEST STANDARD

No deviation

7.1.5 TEST SETUP



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

7.1.6 EUT OPERATING CONDITIONS

1. Connect the EUT with the support unit A(Notebook Computer) which is placed on a testing table.
2. The communication partner run test program “QCRT Version: 3.0.29.0” to enable EUT under transmission/receiving condition continuously at specific channel frequency.

7.1.7 TEST RESULTS (MODE 1)

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

802.11b

CHANNEL	TX Channel 1	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

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	4824.00	52.1 PK	74.0	-21.9	1.02 H	100	46.39	5.71
2	4824.00	48.5 AV	54.0	-5.5	1.02 H	100	42.79	5.71
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	4824.00	52.8 PK	74.0	-21.2	1.06 V	357	47.09	5.71
2	4824.00	48.9 AV	54.0	-5.1	1.06 V	357	43.19	5.71

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

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

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	4874.00	52.7 PK	74.0	-21.3	1.06 H	113	46.80	5.90
2	4874.00	48.9 AV	54.0	-5.1	1.06 H	113	43.00	5.90
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	4874.00	53.4 PK	74.0	-20.6	1.05 V	360	47.50	5.90
2	4874.00	49.3 AV	54.0	-4.7	1.05 V	360	43.40	5.90

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

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

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	4924.00	52.1 PK	74.0	-21.9	1.02 H	87	45.99	6.11
2	4924.00	48.3 AV	54.0	-5.7	1.02 H	87	42.19	6.11
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	4924.00	52.1 PK	74.0	-21.9	1.05 V	357	45.99	6.11
2	4924.00	47.1 AV	54.0	-6.9	1.05 V	357	40.99	6.11

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

802.11g

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

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	4874.00	53.1 PK	74.0	-20.9	1.52 H	279	47.20	5.90
2	4874.00	50.1 AV	54.0	-3.9	1.52 H	279	44.20	5.90
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	4874.00	54.3 PK	74.0	-19.7	1.09 V	163	48.40	5.90
2	4874.00	50.4 AV	54.0	-3.6	1.09 V	163	44.50	5.90

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

VHT20

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

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	4874.00	53.3 PK	74.0	-20.7	1.48 H	281	47.40	5.90
2	4874.00	48.4 AV	54.0	-5.6	1.48 H	281	42.50	5.90
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	4874.00	53.7 PK	74.0	-20.3	1.08 V	166	47.80	5.90
2	4874.00	49.5 AV	54.0	-4.5	1.08 V	166	43.60	5.90

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

VHT40

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

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	2485.00	59.1 PK	74.0	-14.9	1.73 H	236	61.12	-2.02
2	2485.00	43.2 AV	54.0	-10.8	1.73 H	236	45.22	-2.02
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	2485.00	68.8 PK	74.0	-5.2	1.07 V	269	70.82	-2.02
2	2485.00	49.3 AV	54.0	-4.7	1.07 V	269	51.32	-2.02

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

7.1.1 TEST RESULTS (MODE 2)

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

802.11b

CHANNEL	TX Channel 1	**DETECTOR FUNCTION**	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 25GHz		

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	4824.00	53.0 PK	74.0	-21.0	1.48 H	282	47.29	5.71
2	4824.00	48.9 AV	54.0	-5.1	1.48 H	282	43.19	5.71
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	4824.00	53.6 PK	74.0	-20.4	1.10 V	180	47.89	5.71
2	4824.00	49.7 AV	54.0	-4.3	1.10 V	180	43.99	5.71

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

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

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	4874.00	53.1 PK	74.0	-20.9	1.52 H	279	47.20	5.90
2	4874.00	50.1 AV	54.0	-3.9	1.52 H	279	44.20	5.90
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	4874.00	54.2 PK	74.0	-19.8	1.10 V	185	48.30	5.90
2	4874.00	50.6 AV	54.0	-3.4	1.10 V	185	44.70	5.90

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

CHANNEL	TX Channel 11	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

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	4924.00	53.3 PK	74.0	-20.7	1.48 H	281	47.19	6.11
2	4924.00	48.4 AV	54.0	-5.6	1.48 H	281	42.29	6.11
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	4924.00	53.7 PK	74.0	-20.3	1.09 V	163	47.59	6.11
2	4924.00	49.5 AV	54.0	-4.5	1.09 V	163	43.39	6.11

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

802.11g

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

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	4874.00	52.9 PK	74.0	-21.1	1.48 H	280	47.00	5.90
2	4874.00	49.7 AV	54.0	-4.3	1.48 H	280	43.80	5.90
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	4874.00	53.9 PK	74.0	-20.1	1.08 V	201	48.00	5.90
2	4874.00	49.8 AV	54.0	-4.2	1.08 V	201	43.90	5.90

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

VHT20

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

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	4874.00	52.0 PK	74.0	-22.0	1.51 H	279	46.10	5.90
2	4874.00	48.4 AV	54.0	-5.6	1.51 H	279	42.50	5.90
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	4874.00	52.8 PK	74.0	-21.2	1.04 V	223	46.90	5.90
2	4874.00	48.9 AV	54.0	-5.1	1.04 V	223	43.00	5.90

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

VHT40

CHANNEL	TX Channel 6	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

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	2485.00	63.8 PK	74.0	-10.2	1.29 H	118	65.82	-2.02
2	2485.00	48.6 AV	54.0	-5.4	1.29 H	118	50.62	-2.02
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	2485.00	65.8 PK	74.0	-8.2	1.46 V	262	67.82	-2.02
2	2485.00	49.7 AV	54.0	-4.3	1.46 V	262	51.72	-2.02

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

8.APPENDIX B - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.

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