Attachment B--Unwanted Emissions Data

---Radiated Unwanted Emissions

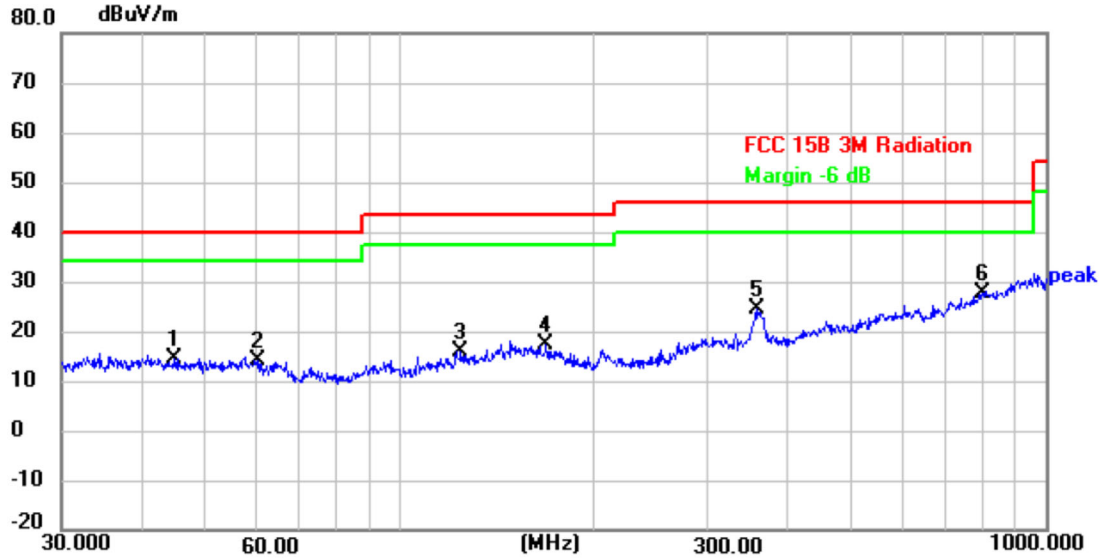
9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB Below the permissible value has no need to be reported.

30MHz~1GHz

Test Voltage:	DC 5V
Ant. Pol.	Horizontal
Test Mode:	Mode 1 (PCB 1#)
Remark:	Only worse case is reported.

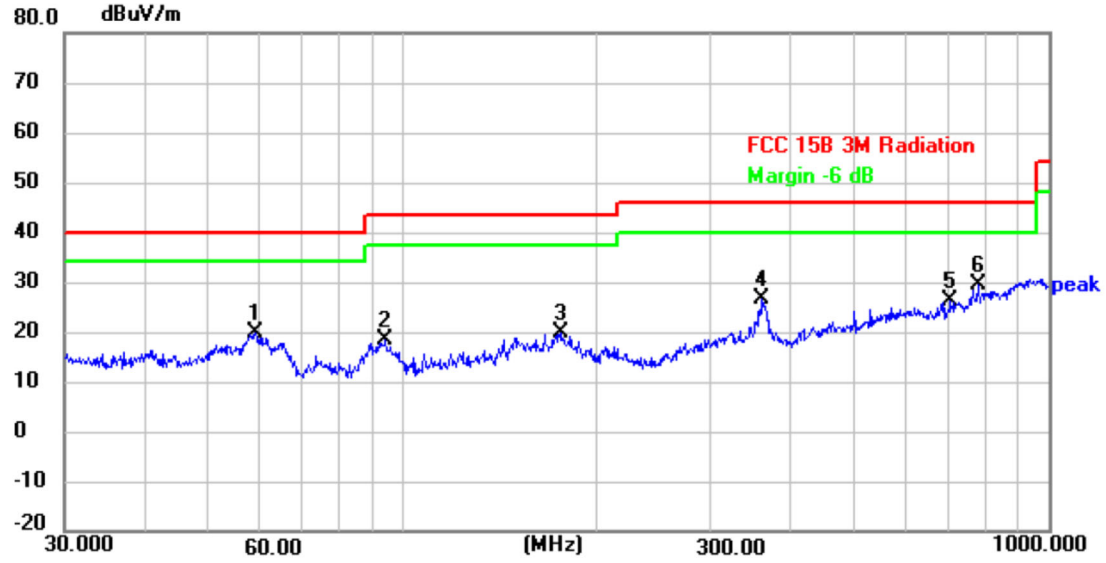


Temperature: 24.3 ℃ Humidity: 52 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	44.9006	38.39	-23.75	14.64	40.00	-25.36	peak	P
2	60.2801	38.79	-24.59	14.20	40.00	-25.80	peak	P
3	124.5690	39.92	-23.89	16.03	43.50	-27.47	peak	P
4	168.4138	39.40	-22.22	17.18	43.50	-26.32	peak	P
5	356.6758	44.14	-19.72	24.42	46.00	-21.58	peak	P
6 *	798.9797	37.82	-10.07	27.75	46.00	-18.25	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Test Voltage:	DC 5V
Ant. Pol.	Vertical
Test Mode:	Mode 1 (PCB 1#)
Remark:	Only worse case is reported.

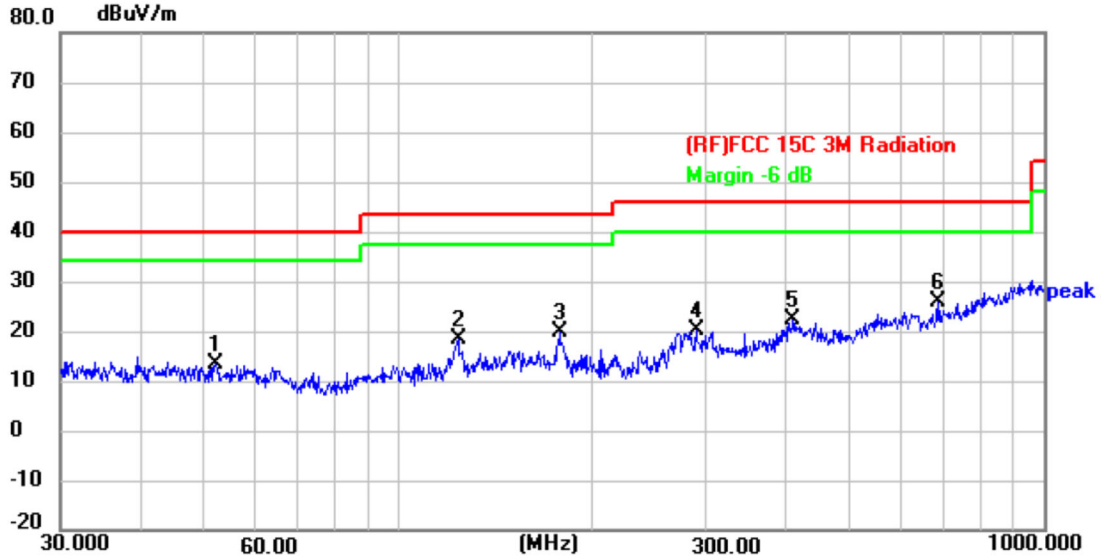


Temperature: 24.3 ℃ Humidity: 52 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	59.2323	43.81	-24.08	19.73	40.00	-20.27	peak	P
2	94.0978	44.54	-26.21	18.33	43.50	-25.17	peak	P
3	176.2685	43.37	-23.46	19.91	43.50	-23.59	peak	P
4	360.4476	46.41	-19.93	26.48	46.00	-19.52	peak	P
5	704.2260	38.61	-12.45	26.16	46.00	-19.84	peak	P
6 *	776.8777	40.86	-11.53	29.33	46.00	-16.67	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Test Voltage:	DC 5V
Ant. Pol.	Horizontal
Test Mode:	Mode 1 (PCB 2#)
Remark:	Only worse case is reported.

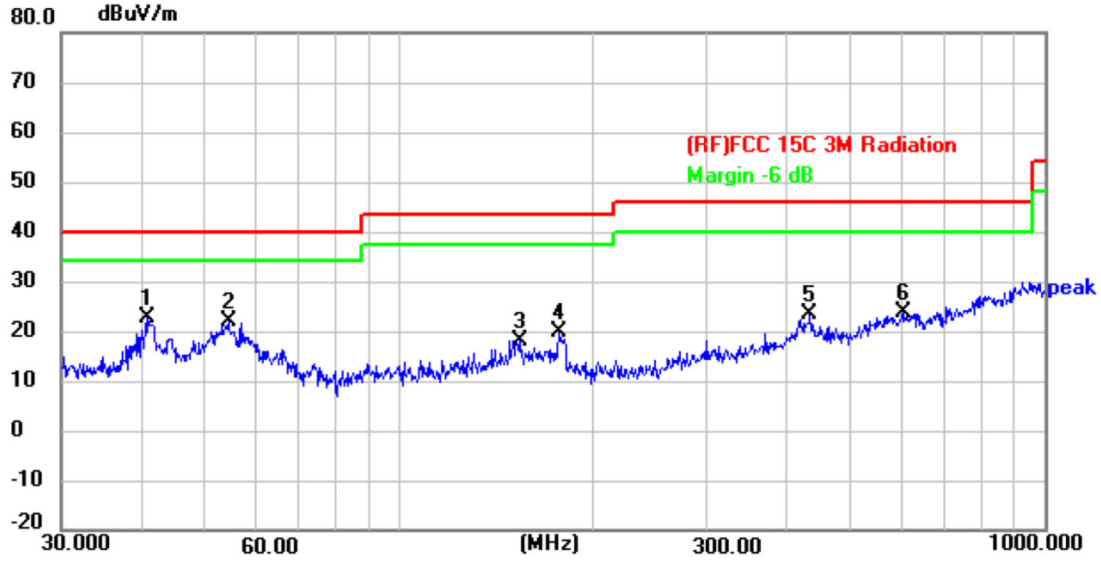


Temperature: 23.7 ℃ Humidity: 49 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	52.2079	37.91	-24.49	13.42	40.00	-26.58	peak	P
2	124.1330	41.93	-23.71	18.22	43.50	-25.28	peak	P
3	178.1327	42.66	-22.97	19.69	43.50	-23.81	peak	P
4	290.0172	42.00	-21.84	20.16	46.00	-25.84	peak	P
5	408.9460	41.13	-18.97	22.16	46.00	-23.84	peak	P
6 *	684.7454	38.75	-12.71	26.04	46.00	-19.96	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Test Voltage:	DC 5V
Ant. Pol.	Vertical
Test Mode:	Mode 1 (PCB 2#)
Remark:	Only worse case is reported.



Temperature: 23.7 ℃ Humidity: 49 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	40.7016	46.48	-23.81	22.67	40.00	-17.33	peak	P
2	54.4516	46.13	-24.25	21.88	40.00	-18.12	peak	P
3	153.7385	39.49	-21.33	18.16	43.50	-25.34	peak	P
4	177.5092	42.89	-22.95	19.94	43.50	-23.56	peak	P
5	432.5457	40.99	-17.51	23.48	46.00	-22.52	peak	P
6	603.5392	37.24	-13.64	23.60	46.00	-22.40	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Above 1GHz

Temperature:	24.2℃	Relative Humidity:	52%
Test Voltage:	DC 5V		
Test Mode:	802.11 b Mode TX 2412 MHz		
Remark:	Only worse case is reported.		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10970.500	46.42	-0.02	46.40	74.00	-27.60	peak	P
2	14183.500	43.28	2.80	46.08	74.00	-27.92	peak	P

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10970.500	45.44	-0.02	45.42	74.00	-28.58	peak	P
2	12373.000	43.64	1.56	45.20	74.00	-28.80	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
5. No report for the emission which below the prescribed limit.
6. The peak value < average limit, So only show the peak value.

Temperature:	24.2℃	Relative Humidity:	52%
Test Voltage:	DC 5V		
Test Mode:	802.11 b Mode TX 2437 MHz		
Remark:	Only worse case is reported.		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	11965.000	44.91	1.40	46.31	74.00	-27.69	peak	P
2	13291.000	44.20	2.00	46.20	74.00	-27.80	peak	P

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11123.500	44.92	0.21	45.13	74.00	-28.87	peak	P
2 *	13189.000	43.69	1.92	45.61	74.00	-28.39	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
5. No report for the emission which below the prescribed limit.
6. The peak value < average limit, So only show the peak value.

Temperature:	24.2℃	Relative Humidity:	52%
Test Voltage:	DC 5V		
Test Mode:	802.11 b Mode TX 2462 MHz		
Remark:	Only worse case is reported.		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11965.000	43.69	1.40	45.09	74.00	-28.91	peak	P
2 *	13495.000	43.33	2.18	45.51	74.00	-28.49	peak	P

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	11608.000	44.26	0.89	45.15	74.00	-28.85	peak	P
2	12628.000	42.44	1.65	44.09	74.00	-29.91	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
5. No report for the emission which below the prescribed limit.
6. The peak value < average limit, So only show the peak value.

Temperature:	24.2℃	**Relative Humidity:**	52%
Test Voltage:	DC 5V		
Test Mode:	802.11 g Mode TX 2412 MHz		
Remark:	Only worse case is reported.		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	12041.500	43.17	1.47	44.64	74.00	-29.36	peak	P
2 *	13240.000	43.69	1.96	45.65	74.00	-28.35	peak	P

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	12041.500	43.07	1.47	44.54	74.00	-29.46	peak	P
2 *	14362.000	43.06	3.00	46.06	74.00	-27.94	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
5. No report for the emission which below the prescribed limit.
6. The peak value < average limit, So only show the peak value.

Temperature:	24.2℃	Relative Humidity:	52%
Test Voltage:	DC 5V		
Test Mode:	802.11g Mode TX 2437 MHz		
Remark:	Only worse case is reported.		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11149.000	44.46	0.26	44.72	74.00	-29.28	peak	P
2 *	13189.000	43.03	1.92	44.95	74.00	-29.05	peak	P

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	11633.500	44.87	0.94	45.81	74.00	-28.19	peak	P
2	13138.000	43.56	1.88	45.44	74.00	-28.56	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
5. No report for the emission which below the prescribed limit.
6. The peak value < average limit, So only show the peak value.

Temperature:	24.2℃	**Relative Humidity:**	52%
Test Voltage:	DC 5V		
Test Mode:	802.11 g Mode TX 2462 MHz		
Remark:	Only worse case is reported.		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	12092.500	43.45	1.48	44.93	74.00	-29.07	peak	P
2 *	13495.000	44.43	2.18	46.61	74.00	-27.39	peak	P

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10894.000	46.51	-0.19	46.32	74.00	-27.68	peak	P
2	13571.500	43.16	2.25	45.41	74.00	-28.59	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
5. No report for the emission which below the prescribed limit.
6. The peak value < average limit, So only show the peak value.

Temperature:	24.2℃	Relative Humidity:	52%
Test Voltage:	DC 5V		
Test Mode:	802.11 n20 Mode TX 2412 MHz		
Remark:	Only worse case is reported.		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	12475.000	43.98	1.59	45.57	74.00	-28.43	peak	P
2	13469.500	43.21	2.16	45.37	74.00	-28.63	peak	P

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10945.000	44.67	-0.08	44.59	74.00	-29.41	peak	P
2 *	13928.500	42.70	2.54	45.24	74.00	-28.76	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
5. No report for the emission which below the prescribed limit.
6. The peak value < average limit, So only show the peak value.

Temperature:	24.2℃	Relative Humidity:	52%
Test Voltage:	DC 5V		
Test Mode:	802.11 n20 Mode TX 2437 MHz		
Remark:	Only worse case is reported.		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10817.500	45.68	-0.36	45.32	74.00	-28.68	peak	P
2	13571.500	43.04	2.25	45.29	74.00	-28.71	peak	P

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11710.000	43.58	1.05	44.63	74.00	-29.37	peak	P
2 *	13520.500	43.18	2.20	45.38	74.00	-28.62	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
5. No report for the emission which below the prescribed limit.
6. The peak value < average limit, So only show the peak value.

Temperature:	24.2℃	**Relative Humidity:**	52%
Test Voltage:	DC 5V		
Test Mode:	802.11 n20 Mode TX 2462 MHz		
Remark:	Only worse case is reported.		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11480.500	44.07	0.73	44.80	74.00	-29.20	peak	P
2 *	13546.000	44.03	2.22	46.25	74.00	-27.75	peak	P

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	12424.000	44.14	1.58	45.72	74.00	-28.28	peak	P
2 *	13367.500	44.08	2.07	46.15	74.00	-27.85	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
5. No report for the emission which below the prescribed limit.
6. The peak value < average limit, So only show the peak value.

Temperature:	24.2℃	Relative Humidity:	52%
Test Voltage:	DC 5V		
Test Mode:	802.11 n40 Mode TX 2422 MHz		
Remark:	Only worse case is reported.		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	11735.500	44.21	1.08	45.29	74.00	-28.71	peak	P
2	13699.000	42.59	2.35	44.94	74.00	-29.06	peak	P

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	11939.500	45.06	1.36	46.42	74.00	-27.58	peak	P
2	13495.000	43.19	2.18	45.37	74.00	-28.63	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
5. No report for the emission which below the prescribed limit.
6. The peak value < average limit, So only show the peak value.

Temperature:	24.2℃	Relative Humidity:	52%
Test Voltage:	DC 5V		
Test Mode:	802.11 n40 Mode TX 2437 MHz		
Remark:	Only worse case is reported.		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	12118.000	44.11	1.49	45.60	74.00	-28.40	peak	P
2	13571.500	43.05	2.25	45.30	74.00	-28.70	peak	P

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	11914.000	44.53	1.33	45.86	74.00	-28.14	peak	P
2 *	14081.500	43.97	2.70	46.67	74.00	-27.33	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
5. No report for the emission which below the prescribed limit.
6. The peak value < average limit, So only show the peak value.

Temperature:	24.2℃	**Relative Humidity:**	52%
Test Voltage:	DC 5V		
Test Mode:	802.11 n40 Mode TX 2452 MHz		
Remark:	Only worse case is reported.		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	10843.000	45.26	-0.31	44.95	74.00	-29.05	peak	P
2 *	12398.500	44.25	1.57	45.82	74.00	-28.18	peak	P

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	10919.500	46.66	-0.13	46.53	74.00	-27.47	peak	P
2	13342.000	44.21	2.06	46.27	74.00	-27.73	peak	P

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated 1-26.5GHz, The testing has been conformed to the 10th harmonic of the highest fundamental frequency. Test with highpass filter (Pass Frequency: 2.8-18G and 8-25G), and 18GHz-26.5GHz is the noise, No other signals were detected.
5. No report for the emission which below the prescribed limit.
6. The peak value < average limit, So only show the peak value.

-----END OF THE REPORT------