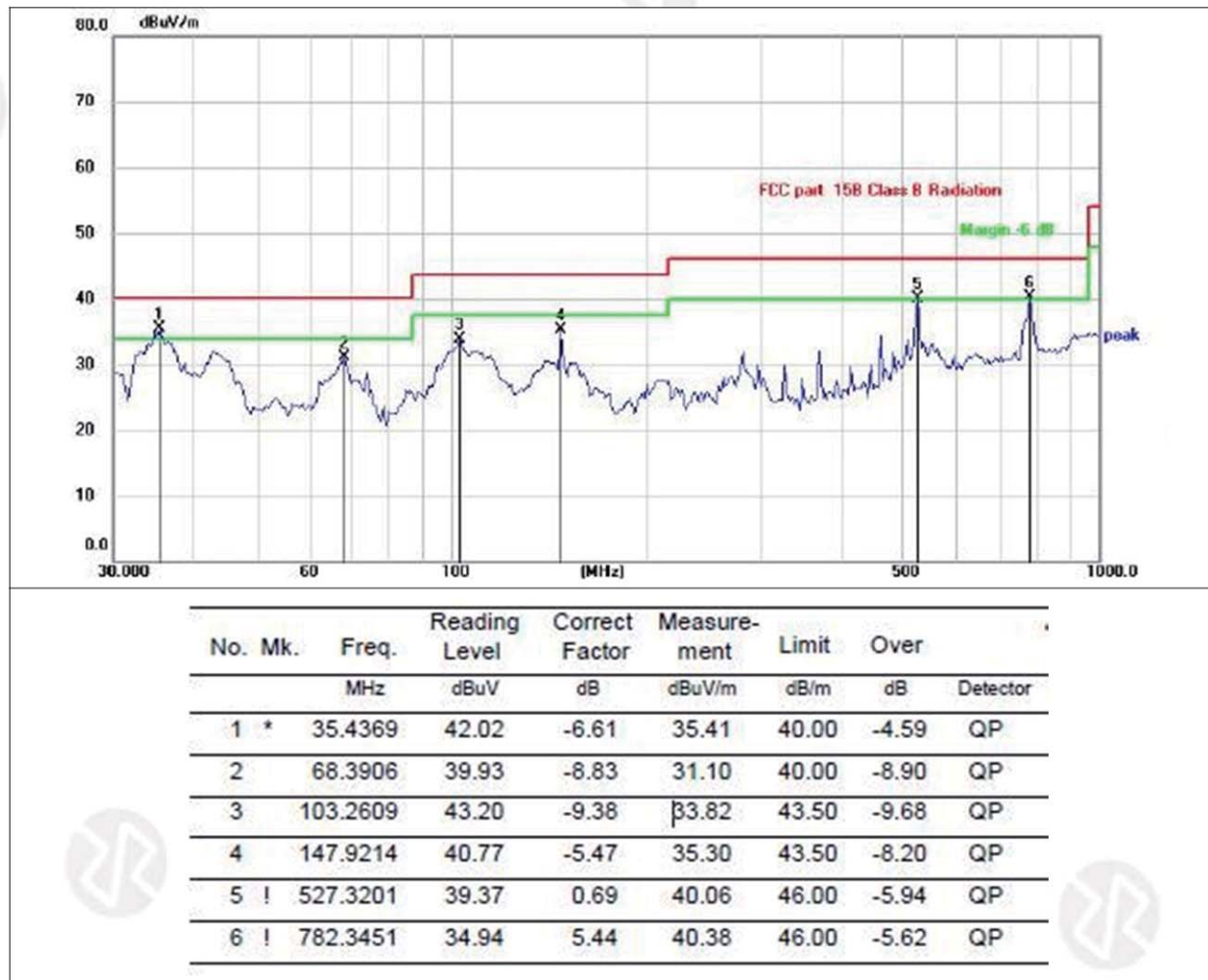




Temperature:	26°C	Relative Humidity:	54%
Pressure:	101kPa	Polarization:	Vertical
Test Voltage:	AC120V/60Hz	Test Mode	Working



Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The test data shows only the worst case 802.11n20.



1GHz~25GHz

802.11b

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2412MHz									
V	4824.00	52.56	30.55	5.77	24.66	52.44	74	-21.56	PK
V	4824.00	44.26	30.55	5.77	24.66	44.14	54	-9.86	AV
V	7236.00	53.92	30.33	6.32	24.55	54.46	74	-19.54	PK
V	7236.00	43.84	30.33	6.32	24.55	44.38	54	-9.62	AV
V	9648.00	52.97	30.85	7.45	24.69	54.26	74	-19.74	PK
V	9648.00	43.77	30.85	7.45	24.69	45.06	54	-8.94	AV
V	12060.00	53.95	31.02	8.99	25.57	57.49	74	-16.51	PK
V	12060.00	44.62	31.02	8.99	25.57	48.16	54	-5.84	AV
H	4824.00	53.74	30.55	5.77	24.66	53.62	74	-20.38	PK
H	4824.00	43.51	30.55	5.77	24.66	43.39	54	-10.61	AV
H	7236.00	52.32	30.33	6.32	24.55	52.86	74	-21.14	PK
H	7236.00	42.74	30.33	6.32	24.55	43.28	54	-10.72	AV
H	9648.00	54.01	30.85	7.45	24.69	55.30	74	-18.70	PK
H	9648.00	43.72	30.85	7.45	24.69	45.01	54	-8.99	AV
H	12060.00	51.42	31.02	8.99	25.57	54.96	74	-19.04	PK
H	12060.00	43.07	31.02	8.99	25.57	46.61	54	-7.39	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:2437MHz									
V	4874.00	54.08	30.55	5.77	24.66	53.96	74	-20.04	PK
V	4874.00	44.34	30.55	5.77	24.66	44.22	54	-9.78	AV
V	7311.00	52.70	30.33	6.32	24.55	53.24	74	-20.76	PK
V	7311.00	42.58	30.33	6.32	24.55	43.12	54	-10.88	AV
V	9748.00	52.59	30.85	7.45	24.69	53.88	74	-20.12	PK
V	9748.00	42.75	30.85	7.45	24.69	44.04	54	-9.96	AV
V	12185.00	51.33	31.02	8.99	25.57	54.87	74	-19.13	PK
V	12185.00	43.28	31.02	8.99	25.57	46.82	54	-7.18	AV
H	4874.00	51.98	30.55	5.77	24.66	51.86	74	-22.14	PK
H	4874.00	42.46	30.55	5.77	24.66	42.34	54	-11.66	AV
H	7311.00	53.03	30.33	6.32	24.55	53.57	74	-20.43	PK
H	7311.00	43.95	30.33	6.32	24.55	44.49	54	-9.51	AV
H	9748.00	52.07	30.85	7.45	24.69	53.36	74	-20.64	PK
H	9748.00	43.06	30.85	7.45	24.69	44.35	54	-9.65	AV
H	12185.00	53.20	31.02	8.99	25.57	56.74	74	-17.26	PK
H	12185.00	43.83	31.02	8.99	25.57	47.37	54	-6.63	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampli fier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	53.97	30.55	5.77	24.66	53.85	74	-20.15	PK
V	4924.00	44.28	30.55	5.77	24.66	44.16	54	-9.84	AV
V	7386.00	52.82	30.33	6.32	24.55	53.36	74	-20.64	PK
V	7386.00	42.69	30.33	6.32	24.55	43.23	54	-10.77	AV
V	9848.00	52.99	30.85	7.45	24.69	54.28	74	-19.72	PK
V	9848.00	43.10	30.85	7.45	24.69	44.39	54	-9.61	AV
V	12310.00	52.04	31.02	8.99	25.57	55.58	74	-18.42	PK
V	12310.00	42.65	31.02	8.99	25.57	46.19	54	-7.81	AV
H	4924.00	51.92	30.55	5.77	24.66	51.80	74	-22.20	PK
H	4924.00	42.83	30.55	5.77	24.66	42.71	54	-11.29	AV
H	7386.00	52.82	30.33	6.32	24.55	53.36	74	-20.64	PK
H	7386.00	44.22	30.33	6.32	24.55	44.76	54	-9.24	AV
H	9848.00	52.25	30.85	7.45	24.69	53.54	74	-20.46	PK
H	9848.00	43.10	30.85	7.45	24.69	44.39	54	-9.61	AV
H	12310.00	52.94	31.02	8.99	25.57	56.48	74	-17.52	PK
H	12310.00	43.67	31.02	8.99	25.57	47.21	54	-6.79	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
4. The test data shows only the worst case.



802.11g

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2412MHz									
V	4824.00	52.42	30.55	5.77	24.66	52.30	74	-21.70	PK
V	4824.00	43.88	30.55	5.77	24.66	43.76	54	-10.24	AV
V	7236.00	54.18	30.33	6.32	24.55	54.72	74	-19.28	PK
V	7236.00	43.32	30.33	6.32	24.55	43.86	54	-10.14	AV
V	9648.00	52.75	30.85	7.45	24.69	54.04	74	-19.96	PK
V	9648.00	43.34	30.85	7.45	24.69	44.63	54	-9.37	AV
V	12060.00	53.54	31.02	8.99	25.57	57.08	74	-16.92	PK
V	12060.00	44.38	31.02	8.99	25.57	47.92	54	-6.08	AV
H	4824.00	54.03	30.55	5.77	24.66	53.91	74	-20.09	PK
H	4824.00	44.04	30.55	5.77	24.66	43.92	54	-10.08	AV
H	7236.00	52.28	30.33	6.32	24.55	52.82	74	-21.18	PK
H	7236.00	42.84	30.33	6.32	24.55	43.38	54	-10.62	AV
H	9648.00	53.29	30.85	7.45	24.69	54.58	74	-19.42	PK
H	9648.00	44.27	30.85	7.45	24.69	45.56	54	-8.44	AV
H	12060.00	52.22	31.02	8.99	25.57	55.76	74	-18.24	PK
H	12060.00	42.85	31.02	8.99	25.57	46.39	54	-7.61	AV

Polar (H/V)	Frequency	Meter Reading	Pre-amp lifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:2437MHz									
V	4874.00	53.13	30.55	5.77	24.66	53.01	74	-20.99	PK
V	4874.00	43.93	30.55	5.77	24.66	43.81	54	-10.19	AV
V	7311.00	54.16	30.33	6.32	24.55	54.70	74	-19.30	PK
V	7311.00	43.72	30.33	6.32	24.55	44.26	54	-9.74	AV
V	9748.00	52.47	30.85	7.45	24.69	53.76	74	-20.24	PK
V	9748.00	43.85	30.85	7.45	24.69	45.14	54	-8.86	AV
V	12185.00	53.32	31.02	8.99	25.57	56.86	74	-17.14	PK
V	12185.00	44.49	31.02	8.99	25.57	48.03	54	-5.97	AV
H	4874.00	54.04	30.55	5.77	24.66	53.92	74	-20.08	PK
H	4874.00	43.49	30.55	5.77	24.66	43.37	54	-10.63	AV
H	7311.00	53.16	30.33	6.32	24.55	53.70	74	-20.30	PK
H	7311.00	43.33	30.33	6.32	24.55	43.87	54	-10.13	AV
H	9748.00	53.49	30.85	7.45	24.69	54.78	74	-19.22	PK
H	9748.00	43.60	30.85	7.45	24.69	44.89	54	-9.11	AV
H	12185.00	52.20	31.02	8.99	25.57	55.74	74	-18.26	PK
H	12185.00	43.08	31.02	8.99	25.57	46.62	54	-7.38	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	54.19	30.55	5.77	24.66	54.07	74	-19.93	PK
V	4924.00	44.44	30.55	5.77	24.66	44.32	54	-9.68	AV
V	7386.00	51.88	30.33	6.32	24.55	52.42	74	-21.58	PK
V	7386.00	43.15	30.33	6.32	24.55	43.69	54	-10.31	AV
V	9848.00	53.88	30.85	7.45	24.69	55.17	74	-18.83	PK
V	9848.00	45.08	30.85	7.45	24.69	46.37	54	-7.63	AV
V	12310.00	52.34	31.02	8.99	25.57	55.88	74	-18.12	PK
V	12310.00	42.70	31.02	8.99	25.57	46.24	54	-7.76	AV
H	4924.00	54.16	30.55	5.77	24.66	54.04	74	-19.96	PK
H	4924.00	44.25	30.55	5.77	24.66	44.13	54	-9.87	AV
H	7386.00	51.92	30.33	6.32	24.55	52.46	74	-21.54	PK
H	7386.00	44.49	30.33	6.32	24.55	45.03	54	-8.97	AV
H	9848.00	53.35	30.85	7.45	24.69	54.64	74	-19.36	PK
H	9848.00	41.99	30.85	7.45	24.69	43.28	54	-10.72	AV
H	12310.00	51.57	31.02	8.99	25.57	55.11	74	-18.89	PK
H	12310.00	43.47	31.02	8.99	25.57	47.01	54	-6.99	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
4. The test data shows only the worst case.



802.11n20

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2412MHz									
V	4824.00	52.58	30.55	5.77	24.66	52.46	74	-21.54	PK
V	4824.00	43.75	30.55	5.77	24.66	43.63	54	-10.37	AV
V	7236.00	54.06	30.33	6.32	24.55	54.60	74	-19.40	PK
V	7236.00	43.29	30.33	6.32	24.55	43.83	54	-10.17	AV
V	9648.00	52.71	30.85	7.45	24.69	54.00	74	-20.00	PK
V	9648.00	43.28	30.85	7.45	24.69	44.57	54	-9.43	AV
V	12060.00	53.37	31.02	8.99	25.57	56.91	74	-17.09	PK
V	12060.00	44.34	31.02	8.99	25.57	47.88	54	-6.12	AV
H	4824.00	53.28	30.55	5.77	24.66	53.16	74	-20.84	PK
H	4824.00	44.04	30.55	5.77	24.66	43.92	54	-10.08	AV
H	7236.00	52.37	30.33	6.32	24.55	52.91	74	-21.09	PK
H	7236.00	43.34	30.33	6.32	24.55	43.88	54	-10.12	AV
H	9648.00	53.23	30.85	7.45	24.69	54.52	74	-19.48	PK
H	9648.00	44.37	30.85	7.45	24.69	45.66	54	-8.34	AV
H	12060.00	51.85	31.02	8.99	25.57	55.39	74	-18.61	PK
H	12060.00	42.75	31.02	8.99	25.57	46.29	54	-7.71	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:2437MHz									
V	4874.00	53.63	30.55	5.77	24.66	53.51	74	-20.49	PK
V	4874.00	44.29	30.55	5.77	24.66	44.17	54	-9.83	AV
V	7311.00	52.02	30.33	6.32	24.55	52.56	74	-21.44	PK
V	7311.00	43.43	30.33	6.32	24.55	43.97	54	-10.03	AV
V	9748.00	53.76	30.85	7.45	24.69	55.05	74	-18.95	PK
V	9748.00	44.91	30.85	7.45	24.69	46.20	54	-7.80	AV
V	12185.00	53.01	31.02	8.99	25.57	56.55	74	-17.45	PK
V	12185.00	42.57	31.02	8.99	25.57	46.11	54	-7.89	AV
H	4874.00	53.52	30.55	5.77	24.66	53.40	74	-20.60	PK
H	4874.00	44.11	30.55	5.77	24.66	43.99	54	-10.01	AV
H	7311.00	52.04	30.33	6.32	24.55	52.58	74	-21.42	PK
H	7311.00	44.45	30.33	6.32	24.55	44.99	54	-9.01	AV
H	9748.00	53.96	30.85	7.45	24.69	55.25	74	-18.75	PK
H	9748.00	42.05	30.85	7.45	24.69	43.34	54	-10.66	AV
H	12185.00	52.02	31.02	8.99	25.57	55.56	74	-18.44	PK
H	12185.00	43.09	31.02	8.99	25.57	46.63	54	-7.37	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	53.53	30.55	5.77	24.66	53.41	74	-20.59	PK
V	4924.00	44.01	30.55	5.77	24.66	43.89	54	-10.11	AV
V	7386.00	52.65	30.33	6.32	24.55	53.19	74	-20.81	PK
V	7386.00	43.40	30.33	6.32	24.55	43.94	54	-10.06	AV
V	9848.00	53.21	30.85	7.45	24.69	54.50	74	-19.50	PK
V	9848.00	43.09	30.85	7.45	24.69	44.38	54	-9.62	AV
V	12310.00	51.26	31.02	8.99	25.57	54.80	74	-19.20	PK
V	12310.00	42.88	31.02	8.99	25.57	46.42	54	-7.58	AV
H	4924.00	52.36	30.55	5.77	24.66	52.24	74	-21.76	PK
H	4924.00	43.02	30.55	5.77	24.66	42.90	54	-11.10	AV
H	7386.00	53.07	30.33	6.32	24.55	53.61	74	-20.39	PK
H	7386.00	43.80	30.33	6.32	24.55	44.34	54	-9.66	AV
H	9848.00	52.02	30.85	7.45	24.69	53.31	74	-20.69	PK
H	9848.00	43.57	30.85	7.45	24.69	44.86	54	-9.14	AV
H	12310.00	52.82	31.02	8.99	25.57	56.36	74	-17.64	PK
H	12310.00	43.58	31.02	8.99	25.57	47.12	54	-6.88	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
4. The test data shows only the worst case.



802.11n40

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:2412MHz									
V	4824.00	52.99	30.55	5.77	24.66	52.87	74	-21.13	PK
V	4824.00	44.12	30.55	5.77	24.66	44.00	54	-10.00	AV
V	7236.00	54.27	30.33	6.32	24.55	54.81	74	-19.19	PK
V	7236.00	43.39	30.33	6.32	24.55	43.93	54	-10.07	AV
V	9648.00	52.78	30.85	7.45	24.69	54.07	74	-19.93	PK
V	9648.00	43.79	30.85	7.45	24.69	45.08	54	-8.92	AV
V	12060.00	53.47	31.02	8.99	25.57	57.01	74	-16.99	PK
V	12060.00	44.52	31.02	8.99	25.57	48.06	54	-5.94	AV
H	4824.00	53.65	30.55	5.77	24.66	53.53	74	-20.47	PK
H	4824.00	43.91	30.55	5.77	24.66	43.79	54	-10.21	AV
H	7236.00	52.78	30.33	6.32	24.55	53.32	74	-20.68	PK
H	7236.00	42.71	30.33	6.32	24.55	43.25	54	-10.75	AV
H	9648.00	53.21	30.85	7.45	24.69	54.50	74	-19.50	PK
H	9648.00	43.73	30.85	7.45	24.69	45.02	54	-8.98	AV
H	12060.00	51.77	31.02	8.99	25.57	55.31	74	-18.69	PK
H	12060.00	42.27	31.02	8.99	25.57	45.81	54	-8.19	AV

Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:2437MHz									
V	4874.00	54.33	30.55	5.77	24.66	54.21	74	-19.79	PK
V	4874.00	43.83	30.55	5.77	24.66	43.71	54	-10.29	AV
V	7311.00	51.87	30.33	6.32	24.55	52.41	74	-21.59	PK
V	7311.00	42.85	30.33	6.32	24.55	43.39	54	-10.61	AV
V	9748.00	53.26	30.85	7.45	24.69	54.55	74	-19.45	PK
V	9748.00	44.89	30.85	7.45	24.69	46.18	54	-7.82	AV
V	12185.00	52.16	31.02	8.99	25.57	55.70	74	-18.30	PK
V	12185.00	42.88	31.02	8.99	25.57	46.42	54	-7.58	AV
H	4874.00	53.60	30.55	5.77	24.66	53.48	74	-20.52	PK
H	4874.00	44.24	30.55	5.77	24.66	44.12	54	-9.88	AV
H	7311.00	52.34	30.33	6.32	24.55	52.88	74	-21.12	PK
H	7311.00	44.77	30.33	6.32	24.55	45.31	54	-8.69	AV
H	9748.00	53.49	30.85	7.45	24.69	54.78	74	-19.22	PK
H	9748.00	41.84	30.85	7.45	24.69	43.13	54	-10.87	AV
H	12185.00	52.14	31.02	8.99	25.57	55.68	74	-18.32	PK
H	12185.00	43.44	31.02	8.99	25.57	46.98	54	-7.02	AV



Polar (H/V)	Frequency	Meter Reading	Pre-ampl ifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:2462MHz									
V	4924.00	53.57	30.55	5.77	24.66	53.45	74	-20.55	PK
V	4924.00	44.58	30.55	5.77	24.66	44.46	54	-9.54	AV
V	7386.00	52.76	30.33	6.32	24.55	53.30	74	-20.70	PK
V	7386.00	43.05	30.33	6.32	24.55	43.59	54	-10.41	AV
V	9848.00	53.33	30.85	7.45	24.69	54.62	74	-19.38	PK
V	9848.00	43.31	30.85	7.45	24.69	44.60	54	-9.40	AV
V	12310.00	51.94	31.02	8.99	25.57	55.48	74	-18.52	PK
V	12310.00	43.04	31.02	8.99	25.57	46.58	54	-7.42	AV
H	4924.00	51.66	30.55	5.77	24.66	51.54	74	-22.46	PK
H	4924.00	42.94	30.55	5.77	24.66	42.82	54	-11.18	AV
H	7386.00	52.35	30.33	6.32	24.55	52.89	74	-21.11	PK
H	7386.00	43.86	30.33	6.32	24.55	44.40	54	-9.60	AV
H	9848.00	52.19	30.85	7.45	24.69	53.48	74	-20.52	PK
H	9848.00	42.73	30.85	7.45	24.69	44.02	54	-9.98	AV
H	12310.00	52.98	31.02	8.99	25.57	56.52	74	-17.48	PK
H	12310.00	44.18	31.02	8.99	25.57	47.72	54	-6.28	AV

Remark:

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
4. The test data shows only the worst case.



5. RADIATED BAND EMISSION MEASUREMENT

5.1 TEST REQUIREMENT:

Test Requirement:	FCC Part 15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10: 2013				
Test Frequency Range:	All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	Above	Peak	1MHz	3MHz	Peak
	1GHz	Average	1MHz	3MHz	Average

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m) = 20log Emission level (uV/m).

5.2 TEST PROCEDURE

Above 1GHz test procedure as below:

- The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height 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.
- 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 rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the Highest channel

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

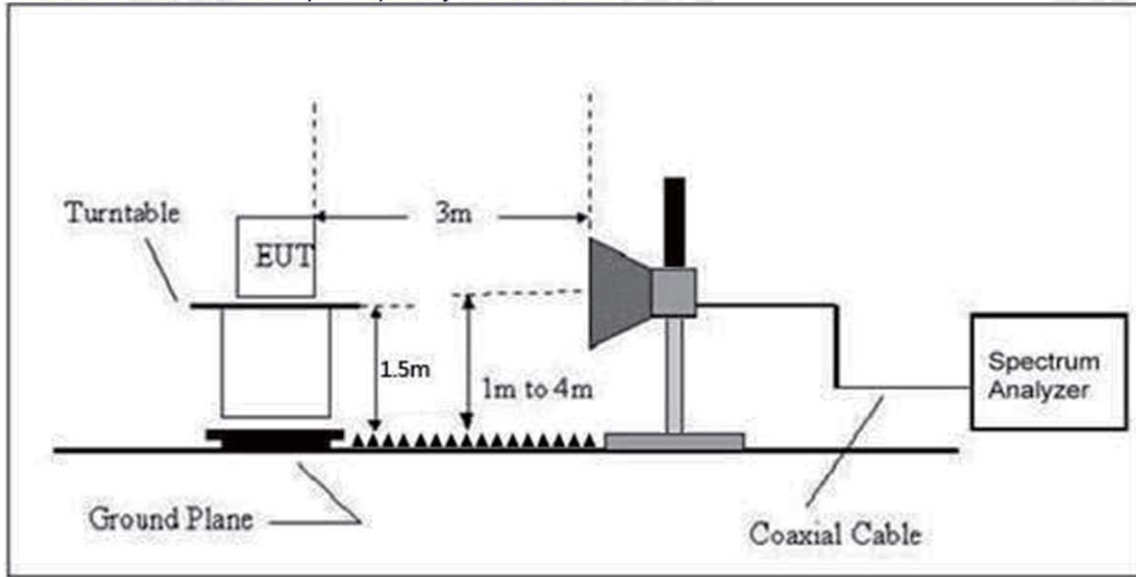
5.3 DEVIATION FROM TEST STANDARD

No deviation



5.4 TEST SETUP

Radiated Emission Test-Up Frequency Above 1GHz



5.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.



5.6 TEST RESULT

	Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre-amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Detector Type	Result
802.11b	Low Channel 2412MHz									
	H	2390.00	54.33	30.22	4.85	23.98	52.94	74.00	PK	PASS
	H	2390.00	45.43	30.22	4.85	23.98	44.04	54.00	AV	PASS
	H	2400.00	55.10	30.22	4.85	23.98	53.71	74.00	PK	PASS
	H	2400.00	45.19	30.22	4.85	23.98	43.80	54.00	AV	PASS
	V	2390.00	53.47	30.22	4.85	23.98	52.08	74.00	PK	PASS
	V	2390.00	45.49	30.22	4.85	23.98	44.10	54.00	AV	PASS
	V	2400.00	54.95	30.22	4.85	23.98	53.56	74.00	PK	PASS
	V	2400.00	45.57	30.22	4.85	23.98	44.18	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	54.01	30.22	4.85	23.98	52.62	54.01	PK	PASS
	H	2483.50	45.04	30.22	4.85	23.98	43.65	45.04	AV	PASS
	H	2500.00	54.15	30.22	4.85	23.98	52.76	54.15	PK	PASS
	H	2500.00	44.70	30.22	4.85	23.98	43.31	44.70	AV	PASS
	V	2483.50	54.50	30.22	4.85	23.98	53.11	54.50	PK	PASS
	V	2483.50	44.46	30.22	4.85	23.98	43.07	44.46	AV	PASS
	V	2500.00	53.33	30.22	4.85	23.98	51.94	53.33	PK	PASS
	V	2500.00	45.20	30.22	4.85	23.98	43.81	45.20	AV	PASS
802.11g	Low Channel 2412MHz									
	H	2390.00	53.66	30.22	4.85	23.98	52.27	53.66	PK	PASS
	H	2390.00	44.75	30.22	4.85	23.98	43.36	44.75	AV	PASS
	H	2400.00	54.93	30.22	4.85	23.98	53.54	54.93	PK	PASS
	H	2400.00	45.42	30.22	4.85	23.98	44.03	45.42	AV	PASS
	V	2390.00	53.73	30.22	4.85	23.98	52.34	53.73	PK	PASS
	V	2390.00	45.14	30.22	4.85	23.98	43.75	45.14	AV	PASS
	V	2400.00	55.05	30.22	4.85	23.98	53.66	55.05	PK	PASS
	V	2400.00	45.07	30.22	4.85	23.98	43.68	45.07	AV	PASS
	High Channel 2462MHz									
	H	2483.50	53.74	30.22	4.85	23.98	52.35	53.74	PK	PASS
	H	2483.50	45.30	30.22	4.85	23.98	43.91	45.30	AV	PASS
	H	2500.00	54.67	30.22	4.85	23.98	53.28	54.67	PK	PASS
	H	2500.00	45.17	30.22	4.85	23.98	43.78	45.17	AV	PASS
	V	2483.50	54.61	30.22	4.85	23.98	53.22	54.61	PK	PASS
	V	2483.50	44.19	30.22	4.85	23.98	42.80	44.19	AV	PASS
	V	2500.00	54.15	30.22	4.85	23.98	52.76	54.15	PK	PASS
	V	2500.00	45.43	30.22	4.85	23.98	44.04	45.43	AV	PASS
Remark:										
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limi										



802.11n20	Low Channel 2412MHz									
	H	2390.00	53.69	30.22	4.85	23.98	52.30	53.69	PK	PASS
	H	2390.00	45.03	30.22	4.85	23.98	43.64	45.03	AV	PASS
	H	2400.00	54.71	30.22	4.85	23.98	53.32	54.71	PK	PASS
	H	2400.00	45.53	30.22	4.85	23.98	44.14	45.53	AV	PASS
	V	2390.00	53.68	30.22	4.85	23.98	52.29	53.68	PK	PASS
	V	2390.00	45.06	30.22	4.85	23.98	43.67	45.06	AV	PASS
	V	2400.00	54.96	30.22	4.85	23.98	53.57	54.96	PK	PASS
	V	2400.00	45.60	30.22	4.85	23.98	44.21	45.60	AV	PASS
	High Channel 2462MHz									
	H	2483.50	53.80	30.22	4.85	23.98	52.41	53.80	PK	PASS
	H	2483.50	45.31	30.22	4.85	23.98	43.92	45.31	AV	PASS
	H	2500.00	54.62	30.22	4.85	23.98	53.23	54.62	PK	PASS
	H	2500.00	44.85	30.22	4.85	23.98	43.46	44.85	AV	PASS
	V	2483.50	54.86	30.22	4.85	23.98	53.47	54.86	PK	PASS
	V	2483.50	44.43	30.22	4.85	23.98	43.04	44.43	AV	PASS
	V	2500.00	53.47	30.22	4.85	23.98	52.08	53.47	PK	PASS
	V	2500.00	44.59	30.22	4.85	23.98	43.20	44.59	AV	PASS
Remark:										
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit										
802.11n40	Low Channel 2412MHz									
	H	2390.00	54.50	30.22	4.85	23.98	53.11	74.00	PK	PASS
	H	2390.00	45.19	30.22	4.85	23.98	43.80	54.00	AV	PASS
	H	2400.00	54.59	30.22	4.85	23.98	53.20	74.00	PK	PASS
	H	2400.00	45.01	30.22	4.85	23.98	43.62	54.00	AV	PASS
	V	2390.00	53.69	30.22	4.85	23.98	52.30	74.00	PK	PASS
	V	2390.00	44.69	30.22	4.85	23.98	43.30	54.00	AV	PASS
	V	2400.00	54.64	30.22	4.85	23.98	53.25	74.00	PK	PASS
	V	2400.00	45.43	30.22	4.85	23.98	44.04	54.00	AV	PASS
	High Channel 2462MHz									
	H	2483.50	54.27	30.22	4.85	23.98	52.88	74.00	PK	PASS
	H	2483.50	44.97	30.22	4.85	23.98	43.58	54.00	AV	PASS
	H	2500.00	54.00	30.22	4.85	23.98	52.61	74.00	PK	PASS
	H	2500.00	45.36	30.22	4.85	23.98	43.97	54.00	AV	PASS
	V	2483.50	54.84	30.22	4.85	23.98	53.45	74.00	PK	PASS
	V	2483.50	44.57	30.22	4.85	23.98	43.18	54.00	AV	PASS
	V	2500.00	54.14	30.22	4.85	23.98	52.75	74.00	PK	PASS
	V	2500.00	45.39	30.22	4.85	23.98	44.00	54.00	AV	PASS
Remark:										
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit										



6. POWER SPECTRAL DENSITY TEST

Test Requirement:	FCC Part15 C Section 15.247 (e)
Test Method:	ANSI C63.10:2013 and KDB558074 D01DTS Meas Guidancev05r02

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247	Power Spectral Density	8dBm/3kHz	2400-2483.5	PASS

6.2 TEST PROCEDURE

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS bandwidth.
3. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq 3 \times \text{RBW}$.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.



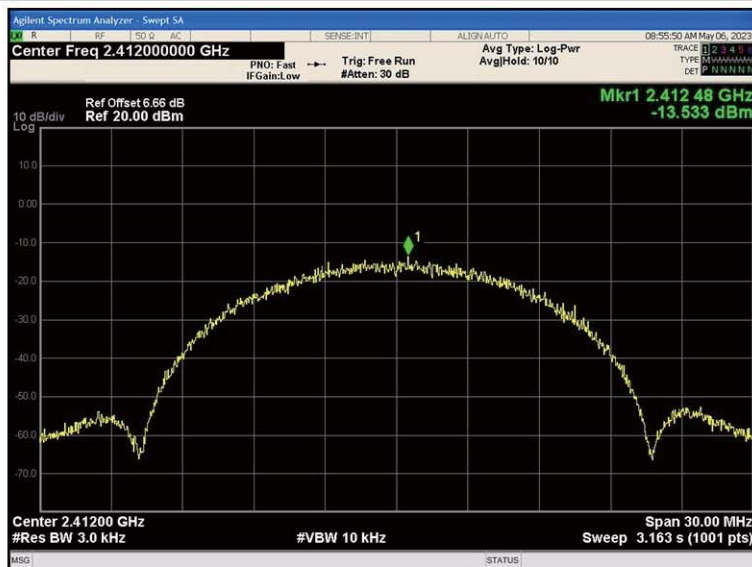
6.6 TEST RESULT

Temperature :	26℃	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX b Mode		

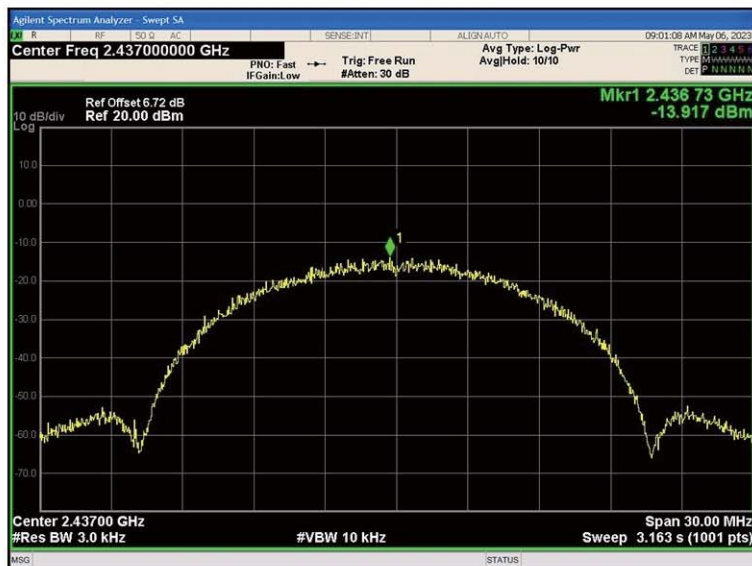
Frequency	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412 MHz	-13.533	8	PASS
2437 MHz	-13.917	8	PASS
2462 MHz	-14.904	8	PASS



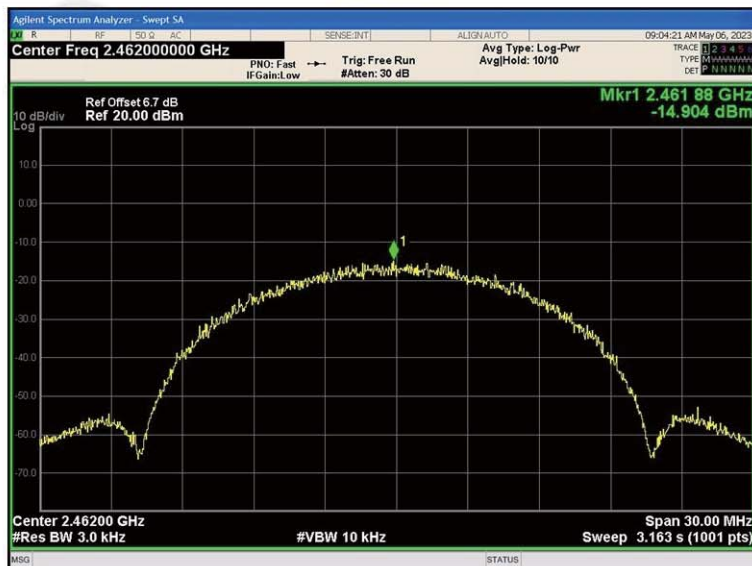
TX CH01



TX CH06



TX CH11



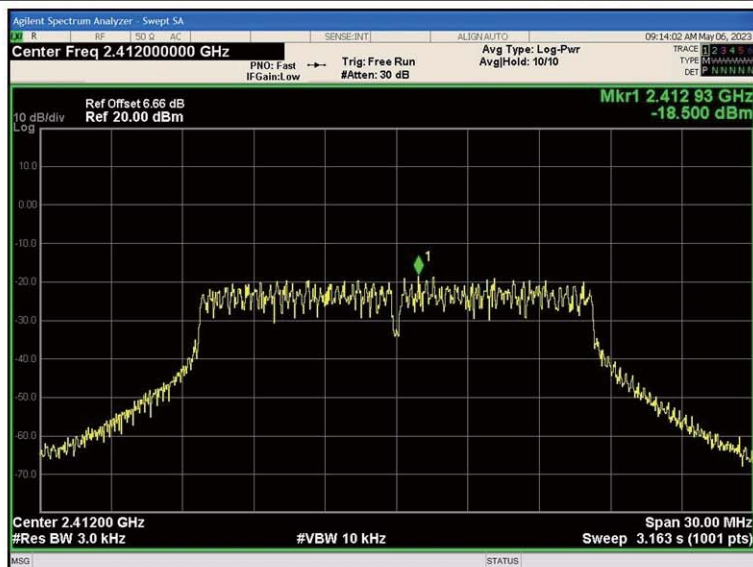


Temperature :	26℃	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX g Mode		

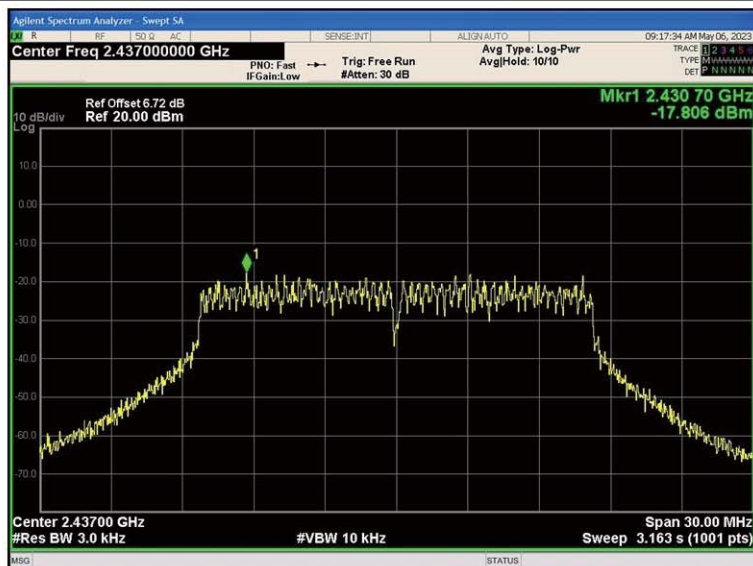
Frequency	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412 MHz	-18.5	8	PASS
2437 MHz	-17.806	8	PASS
2462 MHz	-17.385	8	PASS



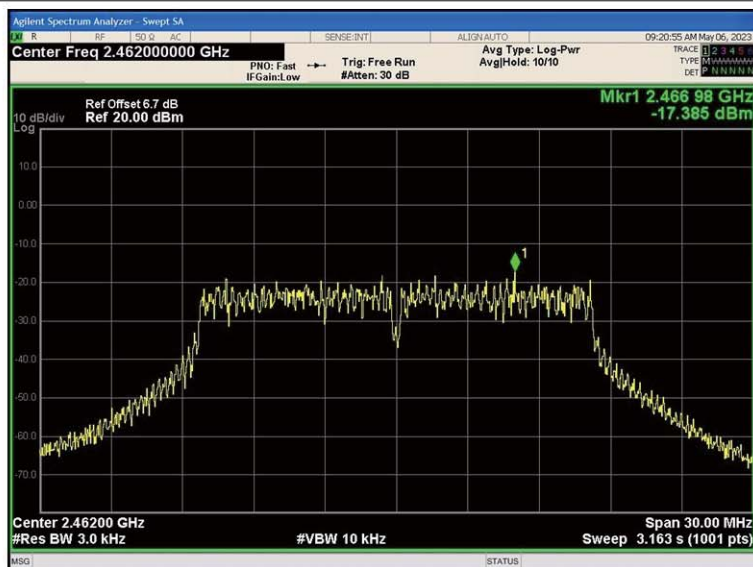
TX CH01



TX CH06



TX CH11





Temperature :	26℃	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX n Mode(20M)		

Frequency	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412 MHz	-17.977	8	PASS
2437 MHz	-17.363	8	PASS
2462 MHz	-18.169	8	PASS