6.7.6 DATA SAMPLE

Below 1GHz

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
XXX.XXXX	36.37	-12.20	24.17	40.00	-15.83	V	QP

Frequency (MHz) = Emission frequency in MHz
Reading (dBuV) = Uncorrected Analyzer / Receiver reading
Correct Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)
Limit (dBuV/m) = Limit stated in standard
Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
Q.P. = Quasi-peak Reading

Above 1GHz

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
XXXX.XXXX	62.09	-11.42	50.67	74.00	-23.33	V	Peak
XXXX.XXXX	49.78	-11.42	38.36	54.00	-15.64	V	AVG

Frequency (MHz) = Emission frequency in MHz
Reading (dBuV) = Uncorrected Analyzer / Receiver reading
Correction Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)
Limit (dBuV/m) = Limit stated in standard
Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
Peak = Peak Reading
AVG = Average Reading

Calculation Formula

Margin (dB) = Result (dBuV/m) – Limits (dBuV/m)
Result (dBuV/m) = Reading (dBuV) + Correction Factor

6.7.7 TEST RESULTS

Below 1 GHz

Antenna 2

Test Mode: TX / IEEE 802.11a / 5180MHz /(CH Low) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

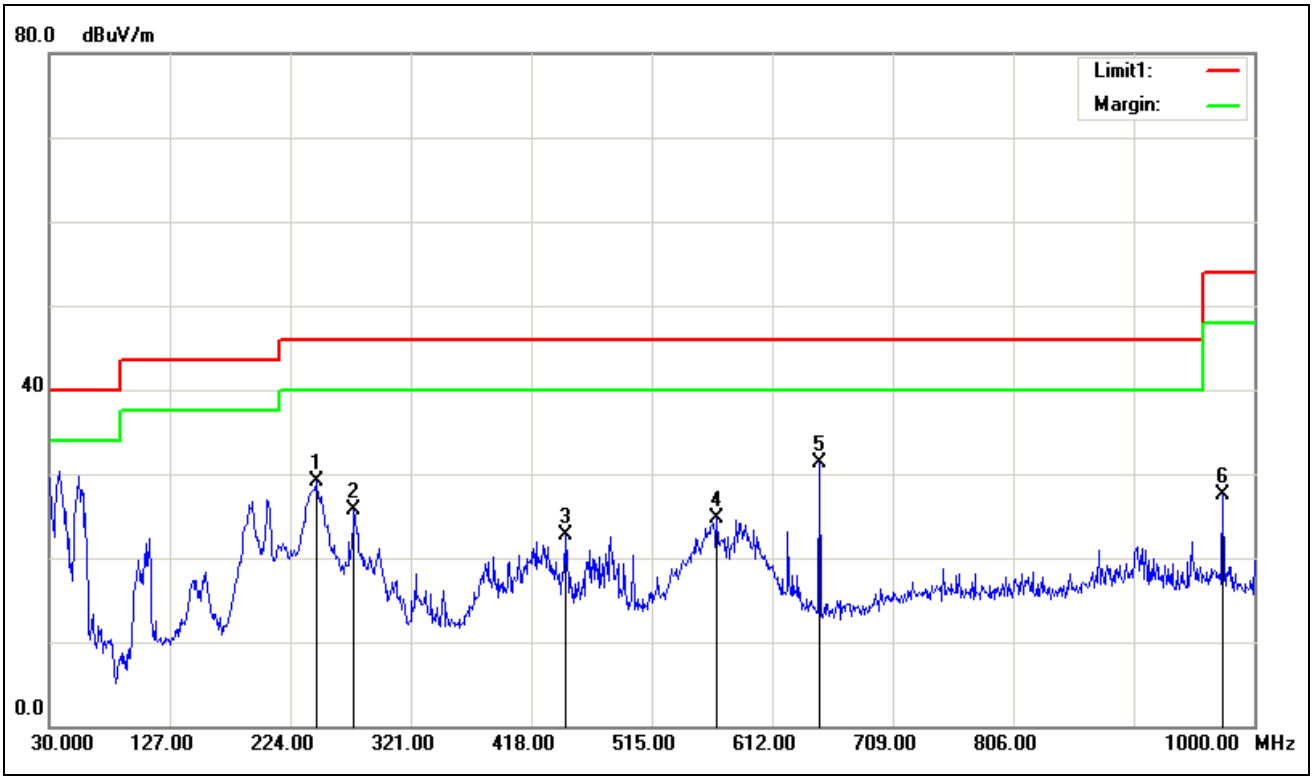
Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
245.3400	50.40	-21.28	29.12	46.00	-16.88	V	QP
275.4100	46.16	-20.44	25.72	46.00	-20.28	V	QP
445.1600	38.27	-15.57	22.70	46.00	-23.30	V	QP
567.3800	37.72	-13.08	24.64	46.00	-21.36	V	QP
649.8300	43.81	-12.52	31.29	46.00	-14.71	V	QP
974.7800	36.49	-9.07	27.42	54.00	-26.58	V	QP
192.9600	54.09	-22.82	31.27	43.50	-12.23	H	QP
206.5400	52.39	-21.93	30.46	43.50	-13.04	H	QP
247.2800	52.08	-21.19	30.89	46.00	-15.11	H	QP
557.6800	39.16	-13.22	25.94	46.00	-20.06	H	QP
649.8300	38.80	-12.52	26.28	46.00	-19.72	H	QP
874.8700	32.05	-10.14	21.91	46.00	-24.09	H	QP

Pre-scan all mode and recorded the worst case results in this report (802.11a Antenna 0(Low Mid)).

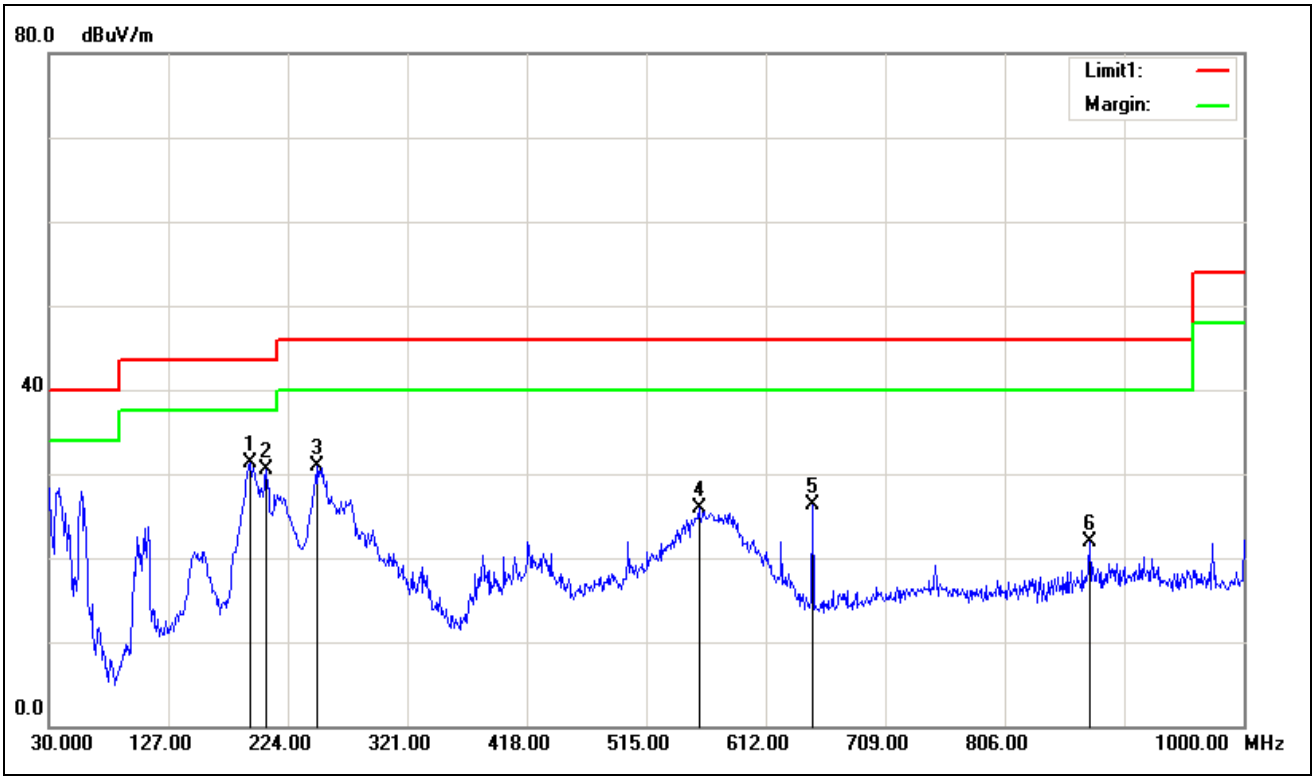
Remark:

1. *No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz)*
2. *Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using peak/quasi-peak detector mode.*
3. *Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Quasi-peak limit (dBuV/m).*

Vertical



Horizontal



Above 1 GHz

1GHz~6GHz (Antenna 2)

Test Mode: TX / IEEE 802.11a / 5200MHz /(CH Low) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1715.000	51.26	-6.45	44.81	68.23	-23.42	V	peak
1950.000	49.24	-5.32	43.92	68.23	-24.31	V	peak
2500.000	45.80	-2.26	43.54	68.23	-24.69	V	peak
2815.000	44.69	-1.69	43.00	68.23	-25.23	V	peak
3885.000	43.23	1.10	44.33	68.23	-23.90	V	peak
5525.000	44.34	5.88	50.22	68.23	-18.01	V	peak
1450.000	47.21	-6.97	40.24	68.23	-27.99	H	Peak
1950.000	48.01	-5.32	42.69	68.23	-25.54	H	Peak
2465.000	45.52	-2.45	43.07	68.23	-25.16	H	Peak
2665.000	46.00	-1.96	44.04	68.23	-24.19	H	peak
3365.000	44.48	-0.75	43.73	68.23	-24.50	H	peak
4020.000	43.55	1.66	45.21	68.23	-23.02	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Above 6GHz

Antenna 0

Test Mode: TX / IEEE 802.11a / 5180MHz /(CH Low) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	32.97	8.28	41.25	68.23	-26.98	V	peak
8004.000	33.31	9.65	42.96	68.23	-25.27	V	peak
9420.000	32.45	10.31	42.76	68.23	-25.47	V	peak
10524.000	32.18	13.60	45.78	68.23	-22.45	V	peak
11136.000	32.85	15.02	47.87	68.23	-20.36	V	peak
11256.000	32.69	14.97	47.66	68.23	-20.57	V	peak
6504.000	33.75	6.90	40.65	68.23	-27.58	H	Peak
7308.000	33.02	8.30	41.32	68.23	-26.91	H	Peak
7980.000	33.10	9.61	42.71	68.23	-25.52	H	Peak
9348.000	32.80	10.10	42.90	68.23	-25.33	H	peak
10356.000	39.09	13.08	52.17	54.00	-1.83	H	peak
11256.000	32.87	14.97	47.84	68.23	-20.39	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5200MHz /(CH Mid) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7932.000	33.18	9.52	42.70	68.23	-25.53	V	peak
8400.000	32.80	9.43	42.23	68.23	-26.00	V	peak
9348.000	32.97	10.10	43.07	68.23	-25.16	V	peak
10716.000	31.70	14.20	45.90	68.23	-22.33	V	peak
11352.000	32.47	14.93	47.40	68.23	-20.83	V	peak
12384.000	31.48	15.91	47.39	68.23	-20.84	V	peak
7452.000	32.39	8.58	40.97	68.23	-27.26	H	Peak
8400.000	33.24	9.43	42.67	68.23	-25.56	H	Peak
10140.000	32.24	12.41	44.65	68.23	-23.58	H	Peak
10404.000	33.19	13.23	46.42	68.23	-21.81	H	peak
11232.000	32.81	14.98	47.79	68.23	-20.44	H	peak
12564.000	31.37	16.51	47.88	68.23	-20.35	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5240MHz /(CH High) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7608.000	33.07	8.89	41.96	68.23	-26.27	V	peak
7980.000	33.80	9.61	43.41	68.23	-24.82	V	peak
8400.000	33.33	9.43	42.76	68.23	-25.47	V	peak
9348.000	32.74	10.10	42.84	68.23	-25.39	V	peak
10476.000	31.65	13.46	45.11	68.23	-23.12	V	peak
11148.000	33.13	15.01	48.14	68.23	-20.09	V	peak
7056.000	32.88	7.81	40.69	68.23	-27.54	H	Peak
8196.000	33.44	9.54	42.98	68.23	-25.25	H	Peak
8940.000	32.49	9.13	41.62	68.23	-26.61	H	Peak
9948.000	31.80	11.83	43.63	68.23	-24.60	H	peak
10476.000	39.51	13.46	52.97	68.23	-15.26	H	peak
10476.000	35.60	13.46	49.06	54.00	-4.94	H	AVG
11424.000	33.26	14.89	48.15	68.23	-20.08	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5745MHz /(CH Low) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7296.000	33.64	8.28	41.92	68.23	-26.31	V	peak
7956.000	33.28	9.56	42.84	68.23	-25.39	V	peak
8364.000	33.45	9.45	42.90	68.23	-25.33	V	peak
10020.000	32.27	12.04	44.31	68.23	-23.92	V	peak
11220.000	32.88	14.98	47.86	68.23	-20.37	V	peak
12540.000	31.37	16.43	47.80	68.23	-20.43	V	peak
7080.000	33.04	7.86	40.90	68.23	-27.33	H	Peak
7692.000	32.86	9.05	41.91	68.23	-26.32	H	Peak
7956.000	33.20	9.56	42.76	68.23	-25.47	H	Peak
10584.000	32.57	13.79	46.36	68.23	-21.87	H	peak
11148.000	33.10	15.01	48.11	68.23	-20.12	H	peak
11484.000	33.17	14.87	48.04	68.23	-20.19	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5785MHz /(CH Mid) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7140.000	33.78	7.97	41.75	68.23	-26.48	V	peak
8088.000	33.34	9.60	42.94	68.23	-25.29	V	peak
9792.000	31.45	11.38	42.83	68.23	-25.40	V	peak
11136.000	32.55	15.02	47.57	68.23	-20.66	V	peak
12468.000	31.33	16.19	47.52	68.23	-20.71	V	peak
13224.000	31.12	18.54	49.66	68.23	-18.57	V	peak
7620.000	32.69	8.91	41.60	68.23	-26.63	H	Peak
8376.000	33.35	9.44	42.79	68.23	-25.44	H	Peak
9900.000	32.22	11.69	43.91	68.23	-24.32	H	Peak
10272.000	31.44	12.82	44.26	68.23	-23.97	H	peak
11160.000	32.47	15.01	47.48	68.23	-20.75	H	peak
11568.000	36.81	14.83	51.64	68.23	-16.59	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5825MHz /(CH High) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7620.000	33.16	8.91	42.07	68.23	-26.16	V	peak
8052.000	33.16	9.62	42.78	68.23	-25.45	V	peak
10260.000	32.07	12.79	44.86	68.23	-23.37	V	peak
10596.000	32.40	13.83	46.23	68.23	-22.00	V	peak
11136.000	32.48	15.02	47.50	68.23	-20.73	V	peak
11652.000	33.68	14.79	48.47	68.23	-19.76	V	peak
7188.000	32.80	8.07	40.87	68.23	-27.36	H	Peak
8016.000	33.06	9.64	42.70	68.23	-25.53	H	Peak
8220.000	32.93	9.53	42.46	68.23	-25.77	H	Peak
9360.000	32.91	10.14	43.05	68.23	-25.18	H	peak
11148.000	32.60	15.01	47.61	68.23	-20.62	H	peak
11652.000	34.22	14.79	49.01	68.23	-19.22	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Antenna 1

Test Mode: TX / IEEE 802.11a / 5180MHz /(CH Low) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7056.000	33.45	7.81	41.26	68.23	-26.97	V	peak
8076.000	32.88	9.61	42.49	68.23	-25.74	V	peak
8376.000	33.24	9.44	42.68	68.23	-25.55	V	peak
9360.000	32.39	10.14	42.53	68.23	-25.70	V	peak
10116.000	32.11	12.34	44.45	68.23	-23.78	V	peak
11148.000	33.03	15.01	48.04	68.23	-20.19	V	peak
6912.000	33.93	7.56	41.49	68.23	-26.74	H	Peak
8220.000	33.23	9.53	42.76	68.23	-25.47	H	Peak
9792.000	31.89	11.38	43.27	68.23	-24.96	H	Peak
10356.000	39.91	13.08	52.99	68.23	-15.24	H	peak
10356.000	38.34	13.08	51.42	54.00	-2.58	H	AVG
11148.000	32.42	15.01	47.43	68.23	-20.80	H	peak
12444.000	31.16	16.11	47.27	68.23	-20.96	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5200MHz /(CH Mid) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7548.000	32.73	8.77	41.50	68.23	-26.73	V	peak
8028.000	32.90	9.63	42.53	68.23	-25.70	V	peak
9408.000	32.54	10.28	42.82	68.23	-25.41	V	peak
9852.000	31.33	11.55	42.88	68.23	-25.35	V	peak
11244.000	32.78	14.97	47.75	68.23	-20.48	V	peak
13056.000	30.23	18.10	48.33	68.23	-19.90	V	peak
6936.000	34.16	7.60	41.76	68.23	-26.47	H	Peak
7668.000	33.08	9.00	42.08	68.23	-26.15	H	Peak
8376.000	33.22	9.44	42.66	68.23	-25.57	H	Peak
9864.000	31.68	11.59	43.27	68.23	-24.96	H	peak
10404.000	37.89	13.23	51.12	68.23	-17.11	H	peak
11328.000	32.98	14.94	47.92	68.23	-20.31	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5240MHz /(CH High) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6816.000	33.29	7.40	40.69	68.23	-27.54	V	peak
7956.000	33.08	9.56	42.64	68.23	-25.59	V	peak
8400.000	33.77	9.43	43.20	68.23	-25.03	V	peak
9792.000	32.38	11.38	43.76	68.23	-24.47	V	peak
10656.000	31.98	14.01	45.99	68.23	-22.24	V	peak
11196.000	32.95	14.99	47.94	68.23	-20.29	V	peak
7608.000	33.09	8.89	41.98	68.23	-26.25	H	Peak
7956.000	33.46	9.56	43.02	68.23	-25.21	H	Peak
8364.000	32.94	9.45	42.39	68.23	-25.84	H	Peak
9408.000	32.55	10.28	42.83	68.23	-25.40	H	peak
10476.000	41.25	13.46	54.71	68.23	-13.52	H	peak
10476.000	37.88	13.46	51.34	54.00	-2.66	H	AVG
11160.000	32.78	15.01	47.79	68.23	-20.44	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5745MHz /(CH Low) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7164.000	32.92	8.02	40.94	68.23	-27.29	V	peak
8052.000	33.32	9.62	42.94	68.23	-25.29	V	peak
9060.000	33.19	9.27	42.46	68.23	-25.77	V	peak
10104.000	32.81	12.30	45.11	68.23	-23.12	V	peak
11280.000	32.77	14.96	47.73	68.23	-20.50	V	peak
11496.000	32.98	14.86	47.84	68.23	-20.39	V	peak
7608.000	32.78	8.89	41.67	68.23	-26.56	H	Peak
8412.000	32.77	9.42	42.19	68.23	-26.04	H	Peak
9576.000	32.21	10.76	42.97	68.23	-25.26	H	Peak
10476.000	31.13	13.46	44.59	68.23	-23.64	H	peak
11496.000	39.12	14.86	53.98	68.23	-14.25	H	peak
11496.000	36.40	14.86	51.26	54.00	-2.74	H	AVG
12504.000	31.29	16.31	47.60	68.23	-20.63	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5785MHz /(CH Mid) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7608.000	32.73	8.89	41.62	68.23	-26.61	V	peak
8052.000	33.10	9.62	42.72	68.23	-25.51	V	peak
9864.000	31.92	11.59	43.51	68.23	-24.72	V	peak
10656.000	31.59	14.01	45.60	68.23	-22.63	V	peak
11136.000	33.14	15.02	48.16	68.23	-20.07	V	peak
12564.000	31.76	16.51	48.27	68.23	-19.96	V	peak
8100.000	33.19	9.60	42.79	68.23	-25.44	H	Peak
8772.000	32.99	9.23	42.22	68.23	-26.01	H	Peak
9456.000	32.11	10.41	42.52	68.23	-25.71	H	Peak
10512.000	31.48	13.57	45.05	68.23	-23.18	H	peak
11568.000	33.86	14.83	48.69	68.23	-19.54	H	peak
12624.000	31.24	16.71	47.95	68.23	-20.28	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5825MHz /(CH High) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7380.000	32.66	8.44	41.10	68.23	-27.13	V	peak
7992.000	32.94	9.63	42.57	68.23	-25.66	V	peak
8328.000	32.89	9.47	42.36	68.23	-25.87	V	peak
9672.000	32.14	11.04	43.18	68.23	-25.05	V	peak
10596.000	31.84	13.83	45.67	68.23	-22.56	V	peak
11136.000	32.88	15.02	47.90	68.23	-20.33	V	peak
7752.000	33.16	9.17	42.33	68.23	-25.90	H	Peak
8124.000	33.46	9.58	43.04	68.23	-25.19	H	Peak
10092.000	32.11	12.27	44.38	68.23	-23.85	H	Peak
11352.000	32.83	14.93	47.76	68.23	-20.47	H	peak
11652.000	41.14	14.79	55.93	68.23	-12.30	H	peak
11652.000	37.34	14.79	52.13	54.00	-1.87	H	AVG
12624.000	31.30	16.71	48.01	68.23	-20.22	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Antenna 2

Test Mode: TX / IEEE 802.11a / 5180MHz /(CH Low) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7236.000	32.84	8.16	41.00	68.23	-27.23	V	peak
8016.000	32.70	9.64	42.34	68.23	-25.89	V	peak
8352.000	33.09	9.46	42.55	68.23	-25.68	V	peak
9444.000	33.10	10.38	43.48	68.23	-24.75	V	peak
9900.000	31.93	11.69	43.62	68.23	-24.61	V	peak
11172.000	32.63	15.00	47.63	68.23	-20.60	V	peak
7200.000	33.47	8.09	41.56	68.23	-26.67	H	Peak
7992.000	33.15	9.63	42.78	68.23	-25.45	H	Peak
9444.000	33.27	10.38	43.65	68.23	-24.58	H	Peak
10356.000	35.64	13.08	48.72	68.23	-19.51	H	peak
11136.000	32.60	15.02	47.62	68.23	-20.61	H	Peak
11472.000	32.71	14.87	47.58	68.23	-20.65	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5200MHz /(CH Mid) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6936.000	32.83	7.60	40.43	68.23	-27.80	V	peak
8112.000	33.08	9.59	42.67	68.23	-25.56	V	peak
9672.000	31.51	11.04	42.55	68.23	-25.68	V	peak
10128.000	31.91	12.38	44.29	68.23	-23.94	V	peak
11136.000	32.50	15.02	47.52	68.23	-20.71	V	peak
12576.000	31.17	16.55	47.72	68.23	-20.51	V	peak
8004.000	33.09	9.65	42.74	68.23	-25.49	H	Peak
8412.000	33.05	9.42	42.47	68.23	-25.76	H	Peak
9420.000	32.34	10.31	42.65	68.23	-25.58	H	Peak
10404.000	35.16	13.23	48.39	68.23	-19.84	H	peak
11184.000	32.24	15.00	47.24	68.23	-20.99	H	peak
12600.000	31.64	16.63	48.27	68.23	-19.96	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5240MHz /(CH High) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6792.000	33.36	7.36	40.72	68.23	-27.51	V	peak
8028.000	32.87	9.63	42.50	68.23	-25.73	V	peak
8412.000	33.03	9.42	42.45	68.23	-25.78	V	peak
9768.000	31.43	11.31	42.74	68.23	-25.49	V	peak
11136.000	32.86	15.02	47.88	68.23	-20.35	V	peak
11964.000	32.32	14.66	46.98	68.23	-21.25	V	peak
7620.000	32.59	8.91	41.50	68.23	-26.73	H	Peak
8352.000	33.13	9.46	42.59	68.23	-25.64	H	Peak
9792.000	32.09	11.38	43.47	68.23	-24.76	H	Peak
10476.000	37.31	13.46	50.77	68.23	-17.46	H	peak
11484.000	32.75	14.87	47.62	68.23	-20.61	H	peak
12636.000	31.57	16.75	48.32	68.23	-19.91	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5745MHz /(CH Low) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6936.000	33.33	7.60	40.93	68.23	-27.30	V	peak
8004.000	33.13	9.65	42.78	68.23	-25.45	V	peak
8172.000	33.04	9.56	42.60	68.23	-25.63	V	peak
9792.000	31.88	11.38	43.26	68.23	-24.97	V	peak
11184.000	32.82	15.00	47.82	68.23	-20.41	V	peak
12288.000	31.38	15.59	46.97	68.23	-21.26	V	peak
7344.000	32.89	8.37	41.26	68.23	-26.97	H	Peak
8412.000	33.24	9.42	42.66	68.23	-25.57	H	Peak
9636.000	31.87	10.93	42.80	68.23	-25.43	H	Peak
10044.000	32.26	12.12	44.38	68.23	-23.85	H	peak
11484.000	34.25	14.87	49.12	68.23	-19.11	H	peak
12156.000	32.22	15.16	47.38	68.23	-20.85	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5785MHz /(CH Mid) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7452.000	32.81	8.58	41.39	68.23	-26.84	V	peak
8028.000	32.95	9.63	42.58	68.23	-25.65	V	peak
8196.000	32.42	9.54	41.96	68.23	-26.27	V	peak
9972.000	31.26	11.90	43.16	68.23	-25.07	V	peak
11136.000	32.81	15.02	47.83	68.23	-20.40	V	peak
11304.000	32.74	14.95	47.69	68.23	-20.54	V	peak
7320.000	32.79	8.32	41.11	68.23	-27.12	H	Peak
7620.000	32.76	8.91	41.67	68.23	-26.56	H	Peak
8172.000	33.26	9.56	42.82	68.23	-25.41	H	Peak
9372.000	32.22	10.17	42.39	68.23	-25.84	H	peak
10584.000	31.62	13.79	45.41	68.23	-22.82	H	peak
11568.000	35.73	14.83	50.56	68.23	-17.67	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11a / 5825MHz /(CH High) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6816.000	33.10	7.40	40.50	68.23	-27.73	V	peak
7968.000	33.27	9.59	42.86	68.23	-25.37	V	peak
8412.000	32.83	9.42	42.25	68.23	-25.98	V	peak
10716.000	31.71	14.20	45.91	68.23	-22.32	V	peak
11148.000	32.26	15.01	47.27	68.23	-20.96	V	peak
11472.000	32.57	14.87	47.44	68.23	-20.79	V	peak
7404.000	33.42	8.49	41.91	68.23	-26.32	H	Peak
8004.000	33.04	9.65	42.69	68.23	-25.54	H	Peak
8400.000	33.43	9.43	42.86	68.23	-25.37	H	Peak
9432.000	32.14	10.34	42.48	68.23	-25.75	H	peak
10752.000	32.07	14.31	46.38	68.23	-21.85	H	peak
11652.000	36.56	14.79	51.35	68.23	-16.88	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Combine with Antenna 0 and Antenna 1 and Antenna 2

Test Mode: TX / IEEE 802.11n HT 20 MHz / 5180MHz /(CH Low) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7092.000	33.26	7.88	41.14	68.23	-27.09	V	peak
7872.000	32.94	9.40	42.34	68.23	-25.89	V	peak
8412.000	33.15	9.42	42.57	68.23	-25.66	V	peak
9336.000	32.81	10.07	42.88	68.23	-25.35	V	peak
10044.000	32.45	12.12	44.57	68.23	-23.66	V	peak
11136.000	32.41	15.02	47.43	68.23	-20.80	V	peak
6912.000	33.52	7.56	41.08	68.23	-27.15	H	Peak
7704.000	33.06	9.07	42.13	68.23	-26.10	H	Peak
8016.000	33.04	9.64	42.68	68.23	-25.55	H	Peak
8508.000	32.75	9.37	42.12	68.23	-26.11	H	peak
9444.000	32.68	10.38	43.06	68.23	-25.17	H	peak
10356.000	35.22	13.08	48.30	68.23	-19.93	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11n HT 20 MHz / 5200MHz /(CH Mid) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6504.000	33.47	6.90	40.37	68.23	-27.86	V	peak
7728.000	33.00	9.12	42.12	68.23	-26.11	V	peak
8076.000	32.87	9.61	42.48	68.23	-25.75	V	peak
8988.000	32.72	9.11	41.83	68.23	-26.40	V	peak
10404.000	36.52	13.23	49.75	68.23	-18.48	V	peak
11316.000	33.25	14.94	48.19	68.23	-20.04	V	peak
7860.000	32.67	9.38	42.05	68.23	-26.18	H	Peak
8160.000	33.07	9.56	42.63	68.23	-25.60	H	Peak
9324.000	32.57	10.03	42.60	68.23	-25.63	H	Peak
10404.000	38.19	13.23	51.42	68.23	-16.81	H	peak
11328.000	32.87	14.94	47.81	68.23	-20.42	H	peak
12480.000	31.34	16.23	47.57	68.23	-20.66	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11n HT 20 MHz / 5240MHz /(CH High) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6984.000	33.29	7.67	40.96	68.23	-27.27	V	peak
7860.000	33.18	9.38	42.56	68.23	-25.67	V	peak
8112.000	33.64	9.59	43.23	68.23	-25.00	V	peak
9384.000	32.19	10.21	42.40	68.23	-25.83	V	peak
10896.000	31.79	14.76	46.55	68.23	-21.68	V	peak
12420.000	31.29	16.03	47.32	68.23	-20.91	V	peak
6984.000	34.37	7.67	42.04	68.23	-26.19	H	Peak
8076.000	32.90	9.61	42.51	68.23	-25.72	H	Peak
8424.000	33.13	9.42	42.55	68.23	-25.68	H	Peak
10488.000	36.42	13.49	49.91	68.23	-18.32	H	peak
11148.000	33.21	15.01	48.22	68.23	-20.01	H	peak
12792.000	31.14	17.26	48.40	68.23	-19.83	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11n HT 20 MHz / 5745MHz /(CH Low) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7152.000	32.74	8.00	40.74	68.23	-27.49	V	peak
8088.000	32.92	9.60	42.52	68.23	-25.71	V	peak
9360.000	32.41	10.14	42.55	68.23	-25.68	V	peak
10800.000	31.34	14.46	45.80	68.23	-22.43	V	peak
11196.000	32.64	14.99	47.63	68.23	-20.60	V	peak
12552.000	31.41	16.47	47.88	68.23	-20.35	V	peak
7560.000	32.65	8.79	41.44	68.23	-26.79	H	Peak
8148.000	33.02	9.57	42.59	68.23	-25.64	H	Peak
9348.000	32.41	10.10	42.51	68.23	-25.72	H	Peak
10584.000	31.76	13.79	45.55	68.23	-22.68	H	peak
11076.000	31.22	15.05	46.27	68.23	-21.96	H	peak
11484.000	36.29	14.87	51.16	68.23	-17.07	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11n HT 20 MHz / 5785MHz /(CH Mid) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7176.000	32.72	8.04	40.76	68.23	-27.47	V	peak
8136.000	32.94	9.58	42.52	68.23	-25.71	V	peak
9600.000	31.59	10.83	42.42	68.23	-25.81	V	peak
10572.000	31.29	13.75	45.04	68.23	-23.19	V	peak
11352.000	32.54	14.93	47.47	68.23	-20.76	V	peak
12060.000	31.93	14.84	46.77	68.23	-21.46	V	peak
7896.000	32.71	9.45	42.16	68.23	-26.07	H	Peak
8340.000	33.56	9.46	43.02	68.23	-25.21	H	Peak
10140.000	31.95	12.41	44.36	68.23	-23.87	H	Peak
10560.000	31.74	13.72	45.46	68.23	-22.77	H	peak
11568.000	35.92	14.83	50.75	68.23	-17.48	H	peak
13080.000	30.45	18.16	48.61	68.23	-19.62	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11n HT 20 MHz / 5825MHz /(CH High) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6852.000	32.91	7.46	40.37	68.23	-27.86	V	peak
7920.000	32.55	9.49	42.04	68.23	-26.19	V	peak
8328.000	33.44	9.47	42.91	68.23	-25.32	V	peak
9648.000	31.74	10.97	42.71	68.23	-25.52	V	peak
11160.000	32.23	15.01	47.24	68.23	-20.99	V	peak
12588.000	31.09	16.59	47.68	68.23	-20.55	V	peak
7692.000	32.85	9.05	41.90	68.23	-26.33	H	Peak
8040.000	32.96	9.63	42.59	68.23	-25.64	H	Peak
9312.000	32.56	10.00	42.56	68.23	-25.67	H	Peak
10632.000	31.43	13.94	45.37	68.23	-22.86	H	peak
11208.000	32.66	14.99	47.65	68.23	-20.58	H	peak
11652.000	37.03	14.79	51.82	68.23	-16.41	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Combine with Antenna 0 and Antenna 1 and Antenna 2

Test Mode: TX / IEEE 802.11n HT 40 MHz / 5190MHz /(CH Low) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7032.000	33.07	7.76	40.83	68.23	-27.40	V	peak
7848.000	33.10	9.35	42.45	68.23	-25.78	V	peak
8412.000	33.04	9.42	42.46	68.23	-25.77	V	peak
9468.000	32.36	10.45	42.81	68.23	-25.42	V	peak
10152.000	31.93	12.45	44.38	68.23	-23.85	V	peak
11196.000	32.73	14.99	47.72	68.23	-20.51	V	peak
7008.000	33.65	7.72	41.37	68.23	-26.86	H	Peak
7668.000	32.49	9.00	41.49	68.23	-26.74	H	Peak
7896.000	32.60	9.45	42.05	68.23	-26.18	H	Peak
8400.000	33.43	9.43	42.86	68.23	-25.37	H	peak
9432.000	32.45	10.34	42.79	68.23	-25.44	H	peak
10380.000	34.07	13.16	47.23	68.23	-21.00	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11n HT 40 MHz / 5230MHz /(CH High) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7308.000	33.07	8.30	41.37	68.23	-26.86	V	peak
8136.000	33.26	9.58	42.84	68.23	-25.39	V	peak
8412.000	32.93	9.42	42.35	68.23	-25.88	V	peak
9828.000	32.03	11.48	43.51	68.23	-24.72	V	peak
10632.000	32.37	13.94	46.31	68.23	-21.92	V	peak
11280.000	32.76	14.96	47.72	68.23	-20.51	V	peak
6972.000	33.58	7.65	41.23	68.23	-27.00	H	Peak
7800.000	33.51	9.26	42.77	68.23	-25.46	H	Peak
8364.000	32.99	9.45	42.44	68.23	-25.79	H	Peak
9396.000	32.43	10.24	42.67	68.23	-25.56	H	peak
10464.000	34.32	13.42	47.74	68.23	-20.49	H	peak
11256.000	32.67	14.97	47.64	68.23	-20.59	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11n HT 40 MHz / 5755MHz /(CH Low) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7092.000	33.01	7.88	40.89	68.23	-27.34	V	peak
8268.000	33.02	9.50	42.52	68.23	-25.71	V	peak
8976.000	32.97	9.11	42.08	68.23	-26.15	V	peak
10464.000	31.24	13.42	44.66	68.23	-23.57	V	peak
11244.000	32.33	14.97	47.30	68.23	-20.93	V	peak
11940.000	32.39	14.67	47.06	68.23	-21.17	V	peak
6960.000	33.39	7.64	41.03	68.23	-27.20	H	Peak
7956.000	32.81	9.56	42.37	68.23	-25.86	H	Peak
8988.000	33.21	9.11	42.32	68.23	-25.91	H	Peak
10068.000	31.76	12.19	43.95	68.23	-24.28	H	peak
10608.000	31.60	13.86	45.46	68.23	-22.77	H	peak
11508.000	35.88	14.86	50.74	68.23	-17.49	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11n HT 40 MHz / 5795MHz /(CH High) **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7608.000	32.47	8.89	41.36	68.23	-26.87	V	peak
8160.000	32.88	9.56	42.44	68.23	-25.79	V	peak
8364.000	33.64	9.45	43.09	68.23	-25.14	V	peak
9456.000	31.79	10.41	42.20	68.23	-26.03	V	peak
11112.000	31.45	15.03	46.48	68.23	-21.75	V	peak
11244.000	33.20	14.97	48.17	68.23	-20.06	V	peak
6816.000	33.07	7.40	40.47	68.23	-27.76	H	Peak
8076.000	32.94	9.61	42.55	68.23	-25.68	H	Peak
8400.000	33.24	9.43	42.67	68.23	-25.56	H	Peak
9924.000	31.97	11.76	43.73	68.23	-24.50	H	peak
10812.000	31.59	14.50	46.09	68.23	-22.14	H	peak
11604.000	35.59	14.81	50.40	68.23	-17.83	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Combine with Antenna 0 and Antenna 1 and Antenna 2

Test Mode: TX / IEEE 802.11ac 80 / 5210MHz **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7128.000	32.82	7.95	40.77	68.23	-27.46	V	peak
7752.000	33.08	9.17	42.25	68.23	-25.98	V	peak
8148.000	32.93	9.57	42.50	68.23	-25.73	V	peak
9444.000	32.61	10.38	42.99	68.23	-25.24	V	peak
10596.000	31.98	13.83	45.81	68.23	-22.42	V	peak
11292.000	32.48	14.95	47.43	68.23	-20.80	V	peak
7188.000	33.22	8.07	41.29	68.23	-26.94	H	Peak
8136.000	33.30	9.58	42.88	68.23	-25.35	H	Peak
8388.000	33.19	9.44	42.63	68.23	-25.60	H	Peak
9024.000	33.27	9.17	42.44	68.23	-25.79	H	peak
9792.000	32.52	11.38	43.90	68.23	-24.33	H	peak
10716.000	31.69	14.20	45.89	68.23	-22.34	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

Test Mode: TX / IEEE 802.11ac 80 / 5775MHz **Tested by:** Saber Huang

Ambient temperature: 24°C **Relative humidity:** 52% RH **Date:** March 15, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7776.000	33.13	9.21	42.34	68.23	-25.89	V	peak
8184.000	33.32	9.55	42.87	68.23	-25.36	V	peak
8352.000	33.23	9.46	42.69	68.23	-25.54	V	peak
10056.000	32.31	12.15	44.46	68.23	-23.77	V	peak
11016.000	31.32	15.07	46.39	68.23	-21.84	V	peak
11184.000	32.97	15.00	47.97	68.23	-20.26	V	peak
7944.000	33.39	9.54	42.93	68.23	-25.30	H	Peak
9348.000	32.03	10.10	42.13	68.23	-26.10	H	Peak
10260.000	32.07	12.79	44.86	68.23	-23.37	H	Peak
11088.000	31.12	15.04	46.16	68.23	-22.07	H	peak
11220.000	32.75	14.98	47.73	68.23	-20.50	H	peak
12096.000	32.33	14.96	47.29	68.23	-20.94	H	peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

6.8 CONDUCTED UNDESIRABLE EMISSION

6.8.1 LIMIT

FCC 15.407			
Frequency Band (MHz)	**Frequency (MHz)**	**EIRP Limit (dBm)**	**Equivalent Field Strength (3m) (dBuV/m)**
5725~5850	< 5650	-27	68.2
	5650~5700	-27~10	68.2~105.2
	5700~5720	10~15.6	105.2~110.8
	5720~5725	15.6~27	110.8~122.2
	5850~5855	27~15.6	122.2~110.8
	5855~5875	15.6~10	110.8~105.2
	5875~5925	10~-27	105.2~68.2
	>5925	-27	68.2

Note:

(i) Section 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and 2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27dBm/MHz. However, an out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz dBm/MHz peak emission limit.

6.8.2 MEASUREMENT EQUIPMENT USED

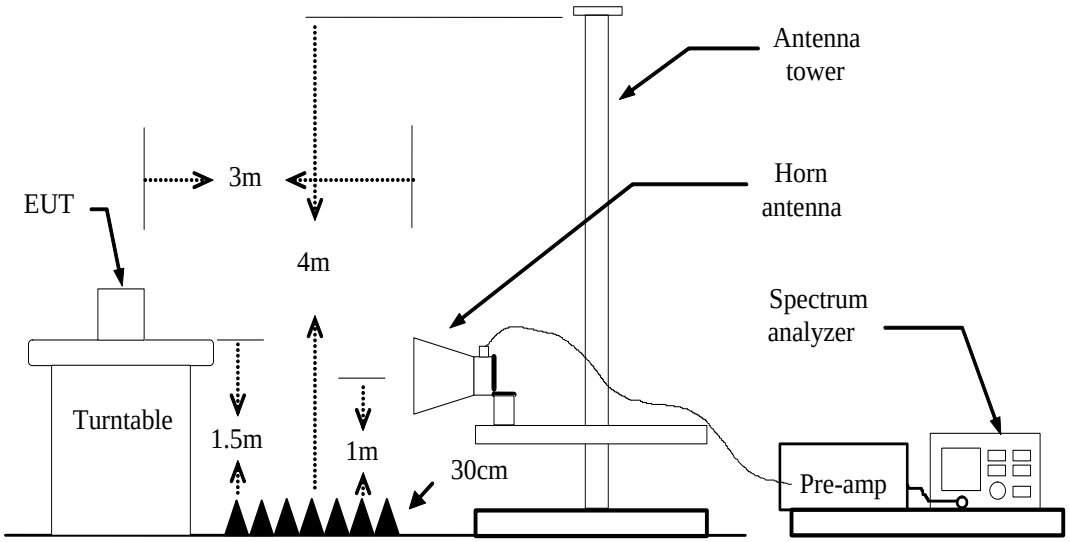
Radiated Emission Test Site 966(2)					
Name of Equipment	**Manufacturer**	**Model Number**	**Serial Number**	**Last Calibration**	**Due Calibration**
PSA Series Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2017	02/20/2018
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/21/2017	02/20/2018
Amplifier	EMEC	EM330	060661	03/18/2017	03/17/2018
High Noise Amplifier	Agilent	8449B	3008A01838	02/21/2017	02/20/2018
Loop Antenna	COM-POWER	AL-130	121044	09/25/2016	09/24/2017
Bilog Antenna	SCHAFFNER	CBL6143	5082	02/21/2017	02/20/2018
Horn Antenna	SCHWARZBECK	BBHA9120	D286	02/21/2017	02/20/2018
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170-497	02/28/2017	02/27/2018
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R
Controller	Sunol Sciences	SC104V	022310-1	N.C.R	N.C.R
Controller	CT	N/A	N/A	N.C.R	N.C.R
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/21/2017	02/20/2018
Test S/W	FARAD	LZ-RF / CCS-SZ-3A2			

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 FCC Site Registration number is 101879.

3. N.C.R = No Calibration Required.

6.8.3 TEST CONFIGURATION



6.8.4TEST PROCEDURE

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 1MHz. The video bandwidth is set to 3MHz. Peak detection measurements are compared to the average EIRP limit, adjusted for the maximum antenna gain. If necessary, additional average detection measurements are made.

Measurements are made over the 30 MHz to 40 GHz range with the transmitter set to the lowest, middle, and highest channels.

6.8.5 TEST RESULTS

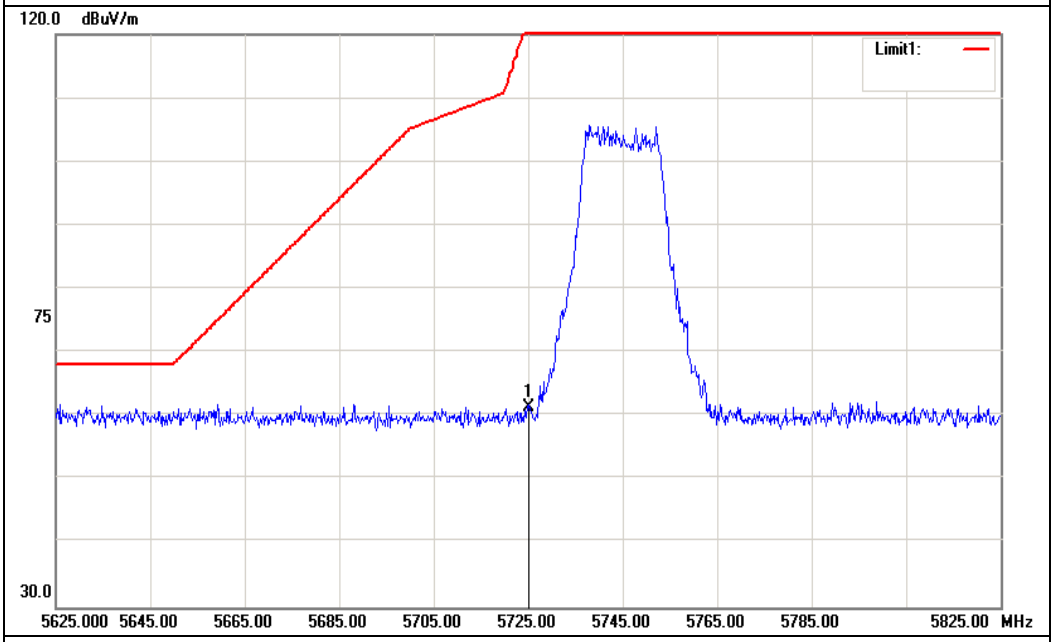
No non-compliance noted

Test Plot

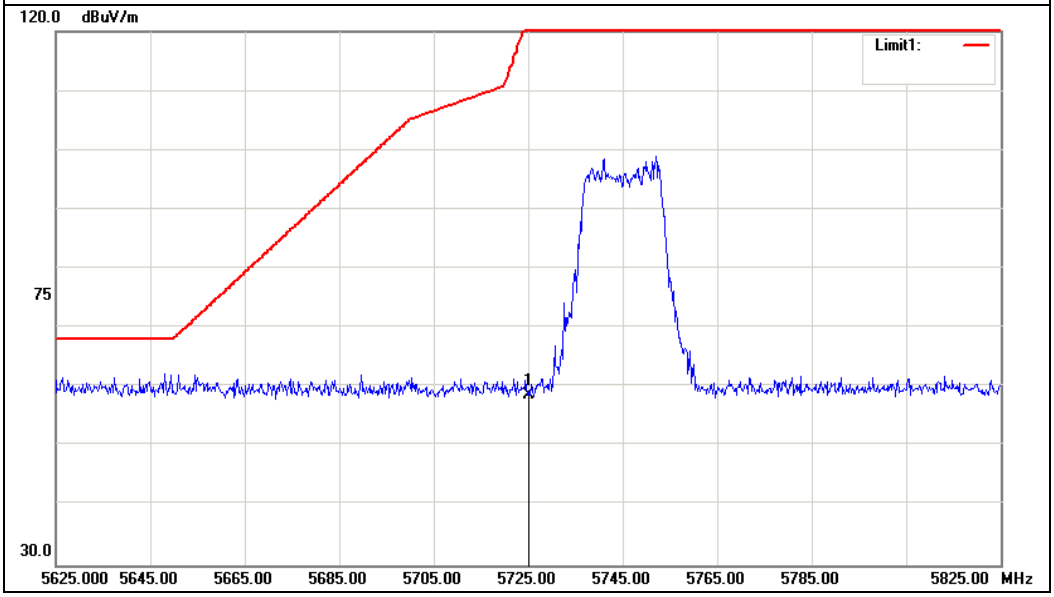
Antenna 0

IEEE 802.11a mode / 5625 ~ 5825MHz

Detector mode: Peak **Polarity: Vertical**



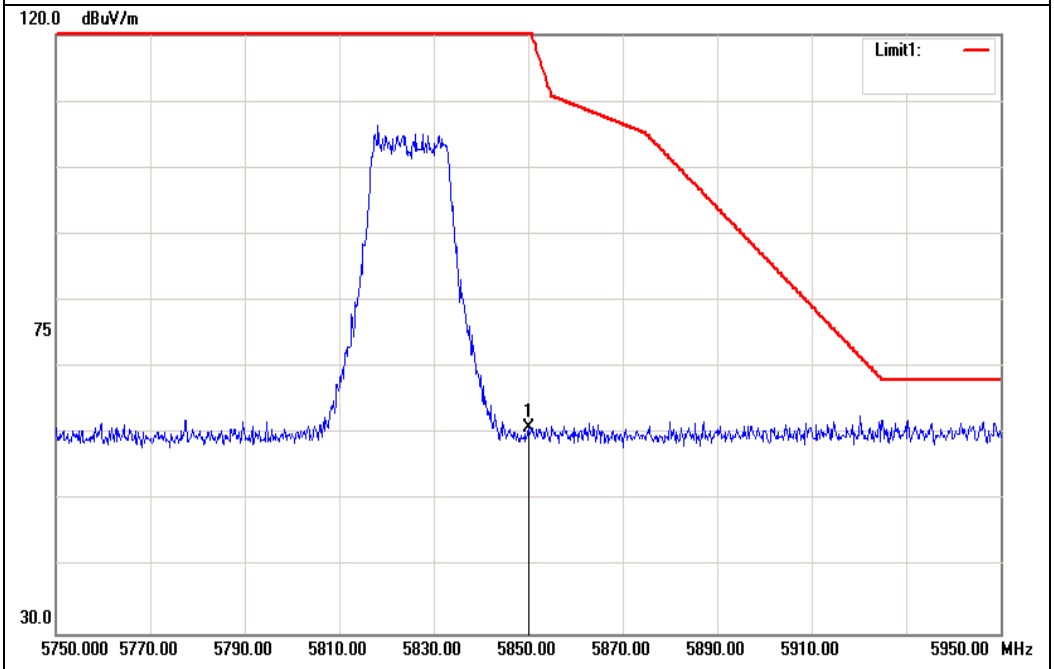
Detector mode: Peak **Polarity: Horizontal**



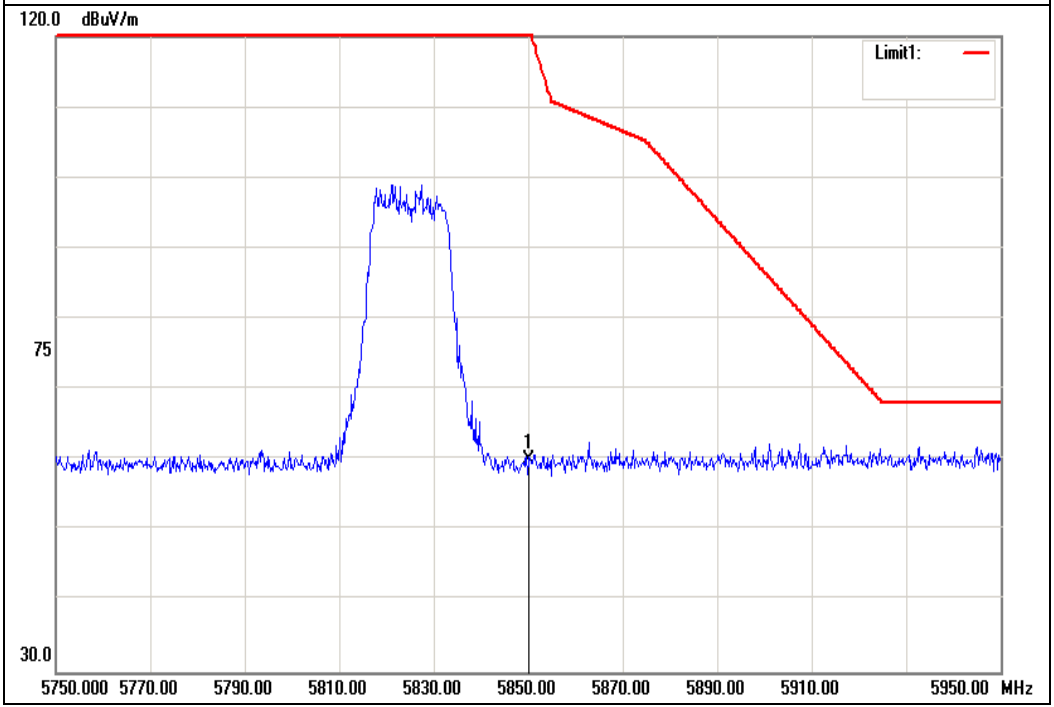
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	5725.000	55.35	5.96	61.31	122.20	-60.89	Peak	Vertical
2.	5725.000	52.74	5.96	58.70	122.20	-63.50	Peak	Horizontal

IEEE 802.11a mode / mode/5750~ 5950MHz

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**

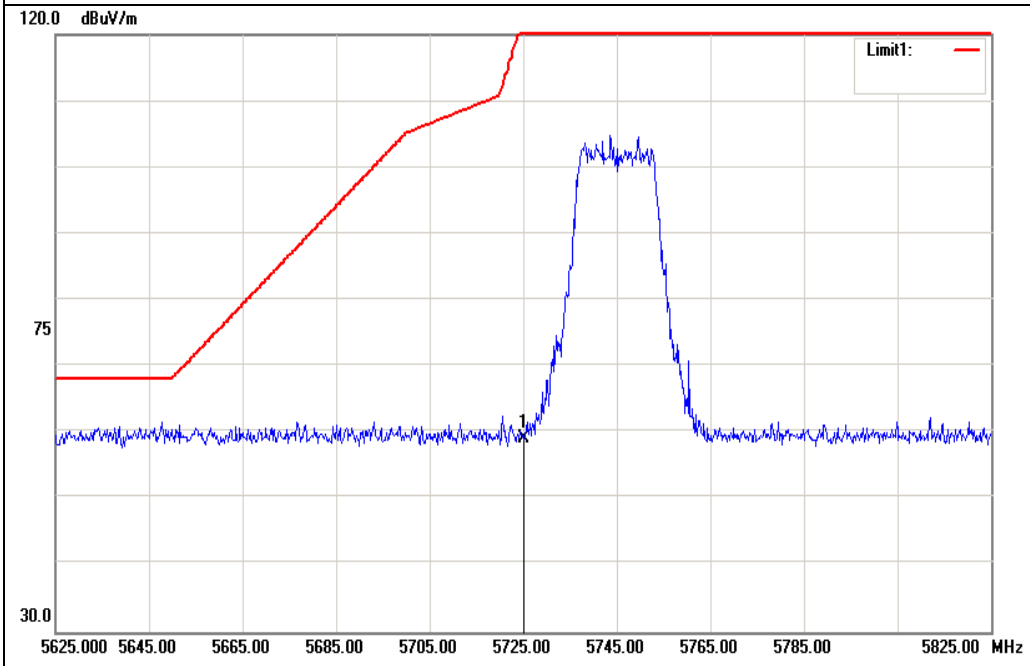


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1.	5850.000	54.82	6.02	60.84	122.20	-61.36	Peak	Vertical
2.	5850.000	54.04	6.02	60.06	122.20	-62.14	Peak	Horizontal

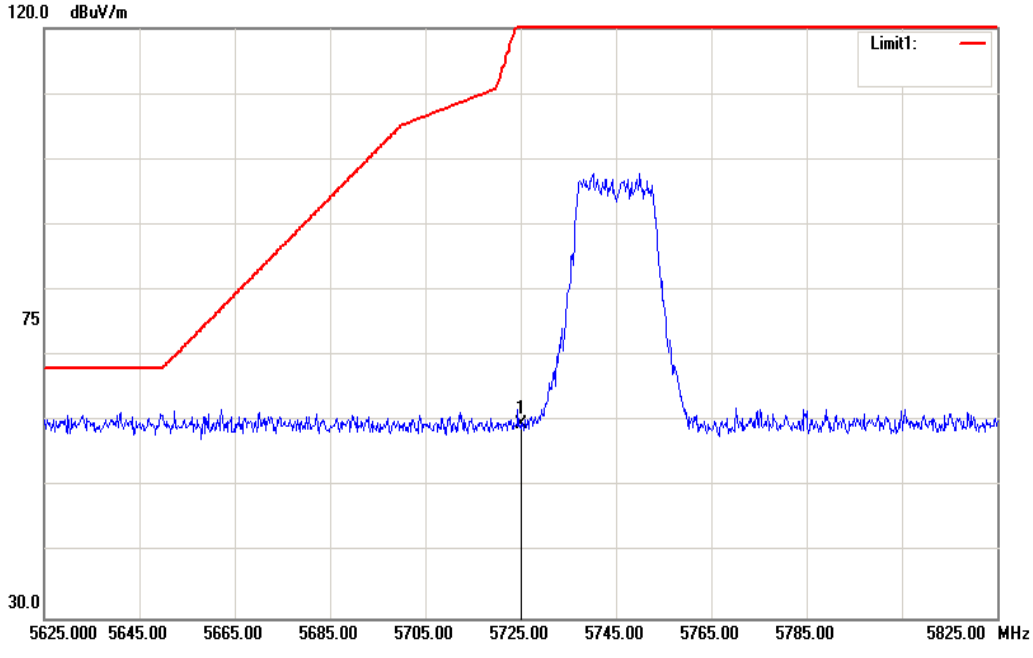
Antenna 1

IEEE 802.11a mode / 5625 ~ 5825MHz

Detector mode: Peak **Polarity: Vertical**



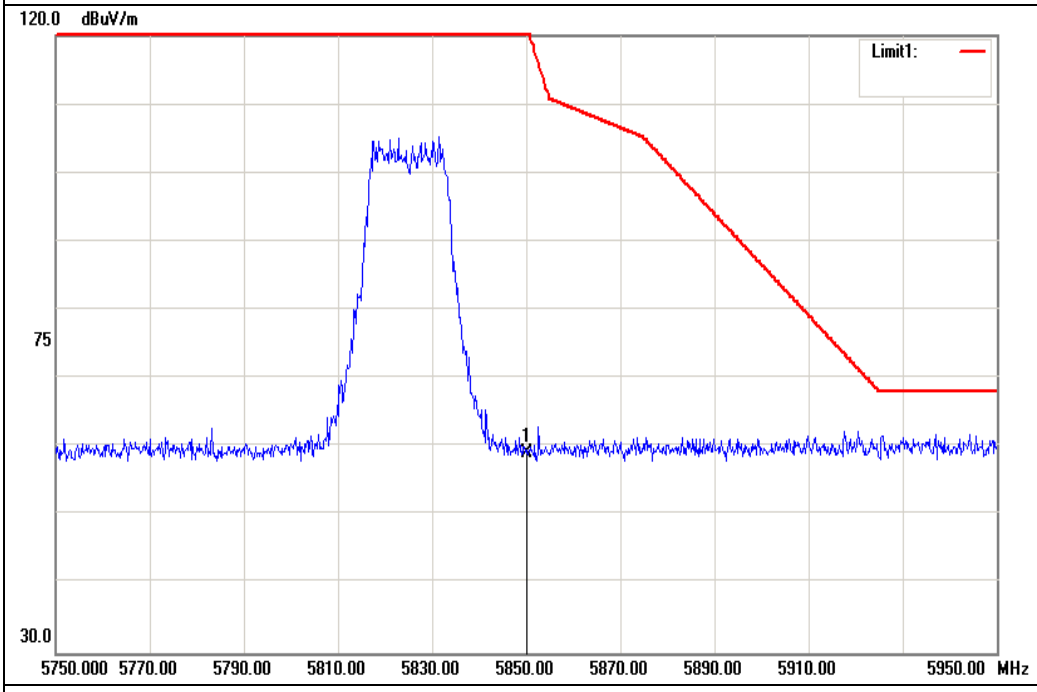
Detector mode: Peak **Polarity: Horizontal**



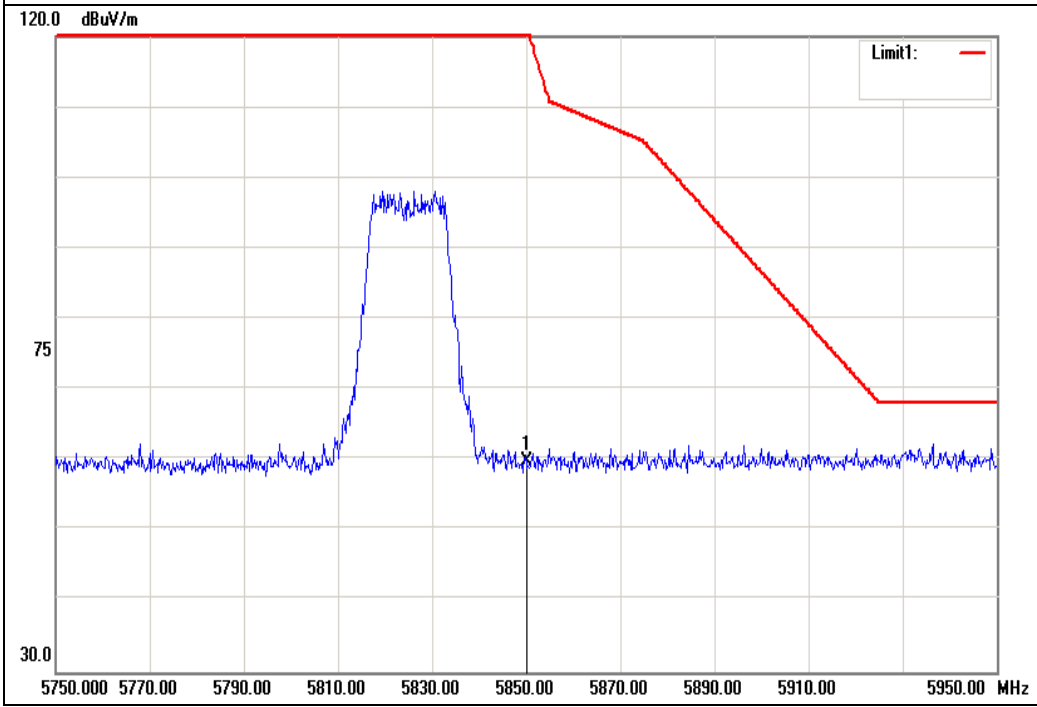
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5725.000	53.27	5.96	59.23	122.20	-62.97	Peak	Vertical
2	5725.000	53.64	5.96	59.60	122.20	-62.60	Peak	Horizontal

IEEE 802.11a mode / mode/5750~ 5950MHz

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**

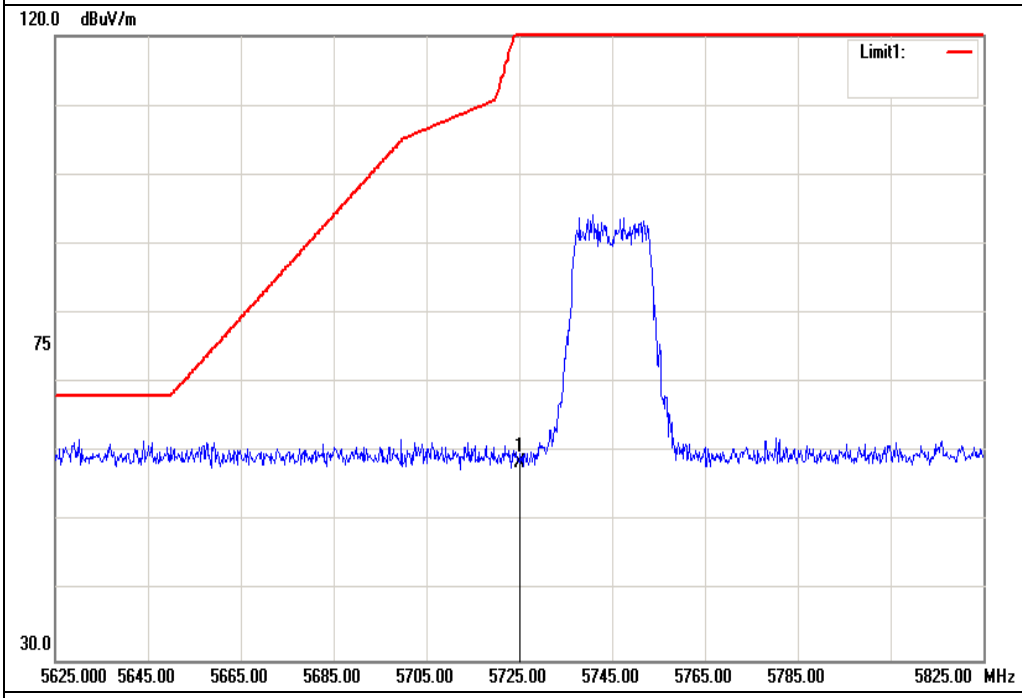


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5850.000	53.22	6.02	59.24	122.20	-62.96	Peak	Vertical
2	5850.000	53.73	6.02	59.75	122.20	-62.45	Peak	Horizontal

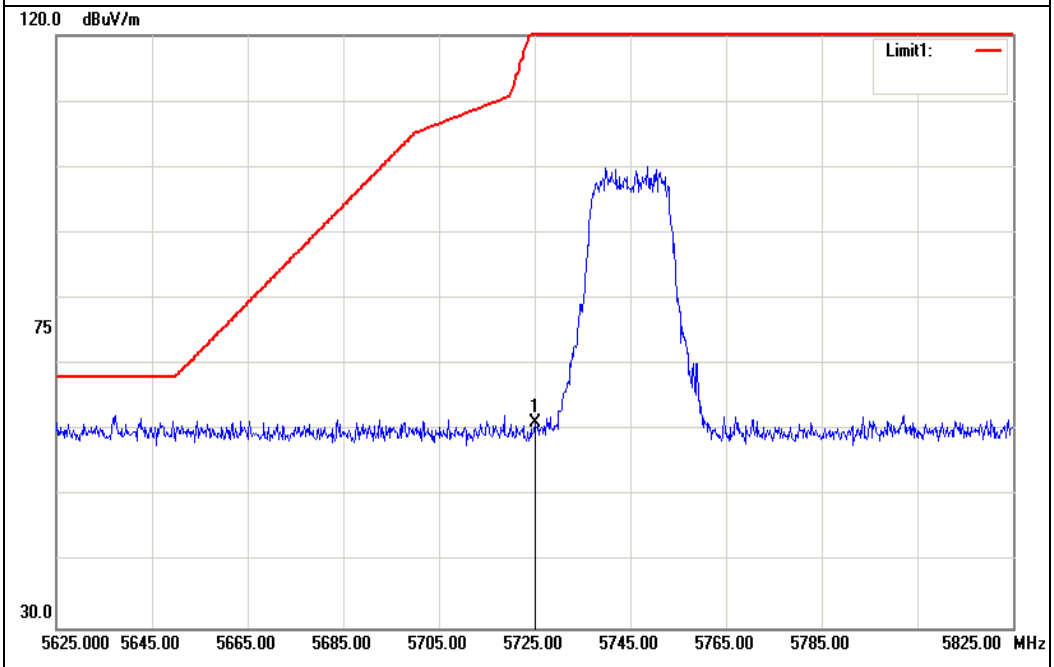
Antenna 2

IEEE 802.11a mode / 5625 ~ 5825MHz

Detector mode: Peak **Polarity: Vertical**



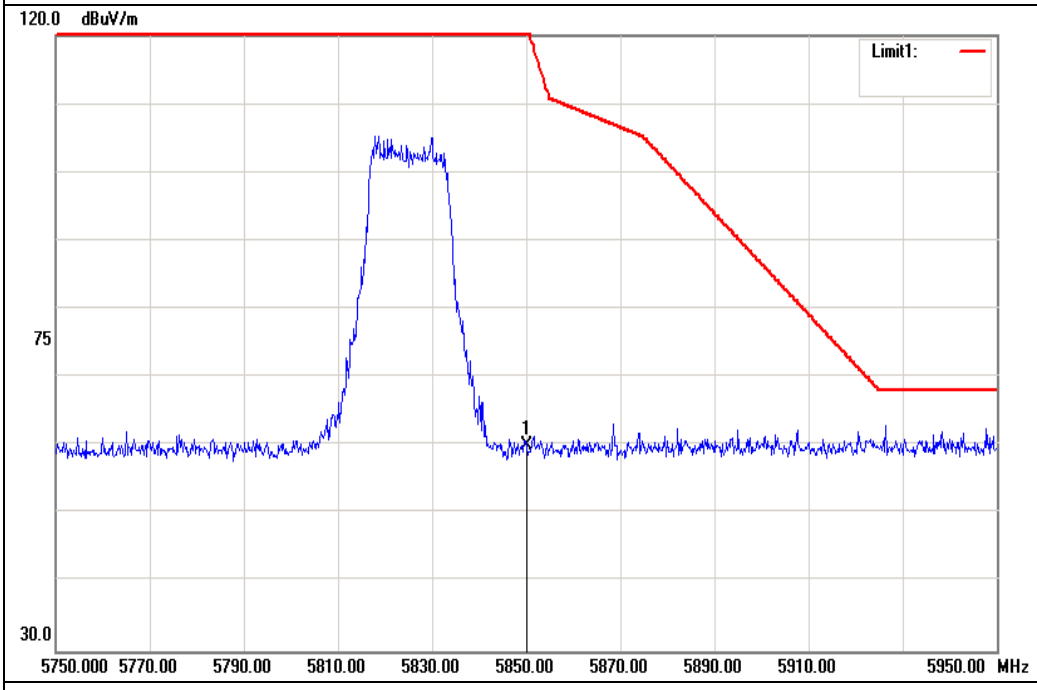
Detector mode: Peak **Polarity: Horizontal**



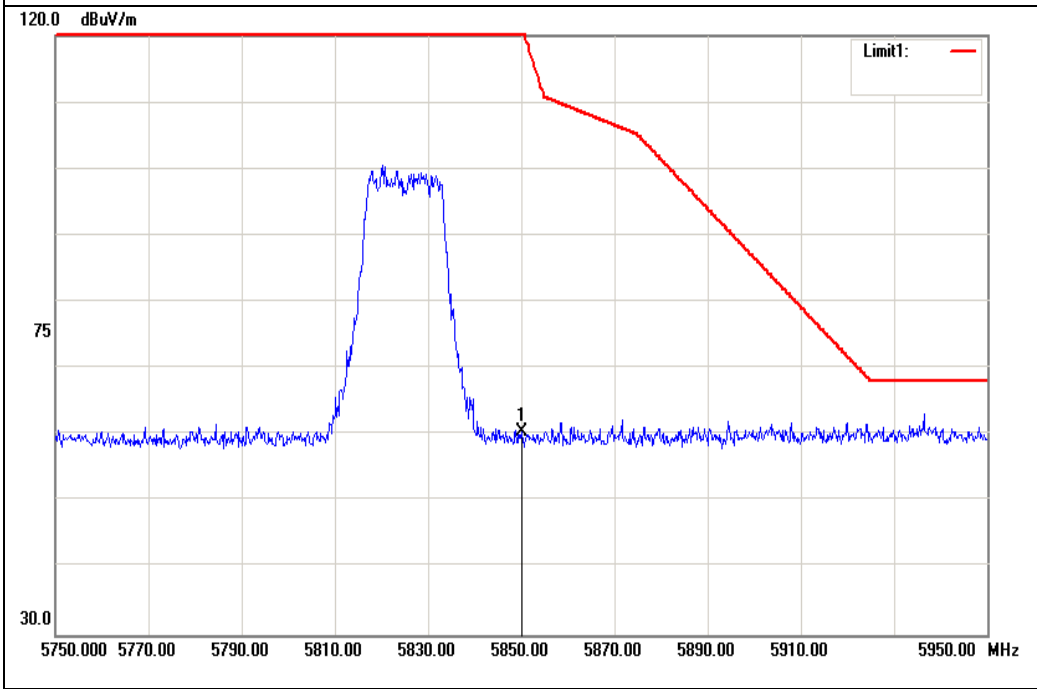
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5725.000	52.43	5.96	58.39	122.20	-63.81	Peak	Vertical
2	5725.000	55.25	5.96	61.21	122.20	-60.99	Peak	Horizontal

IEEE 802.11a mode / mode/5750~ 5950MHz

Detector mode: Peak **Polarity: Vertical**



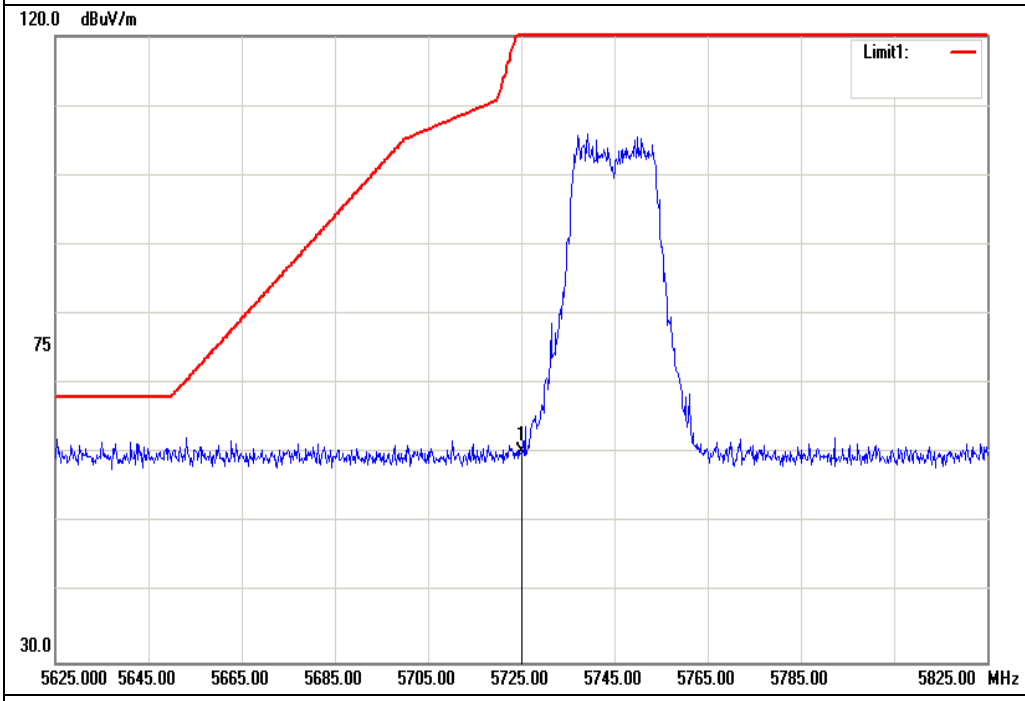
Detector mode: Peak **Polarity: Horizontal**



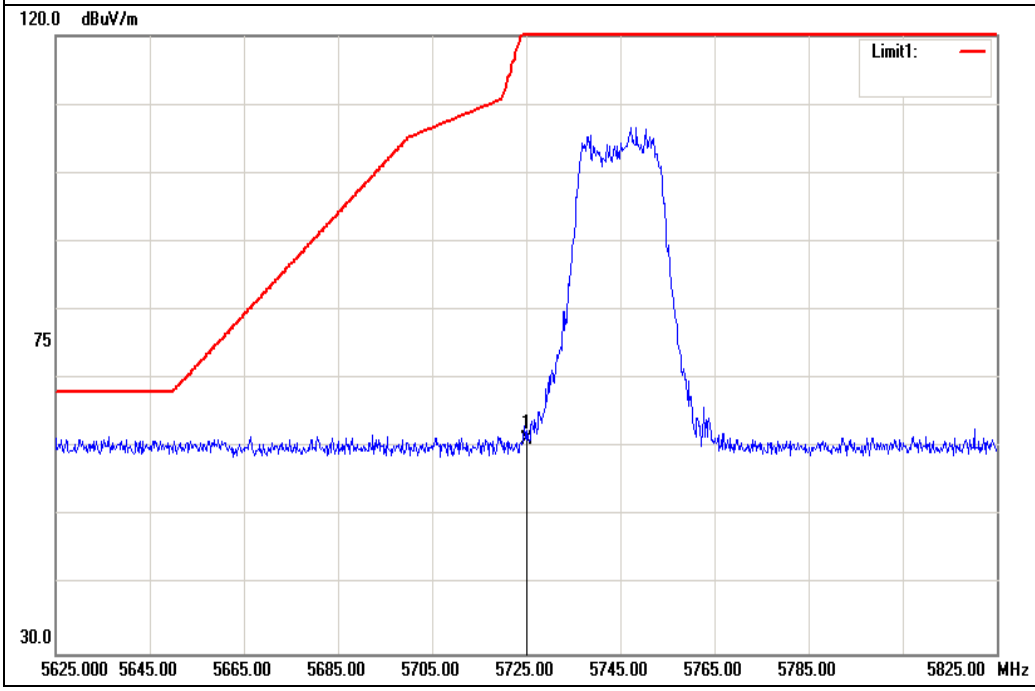
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5850.000	53.91	6.02	59.93	122.20	-62.27	Peak	Vertical
2	5850.000	54.47	6.02	60.49	122.20	-61.71	Peak	Horizontal

Combine with Antenna 0 and Antenna 1 and Antenna 2
IEEE 802.11n HT 20 MHz mode / 5625 ~ 5825MHz

Detector mode: Peak **Polarity: Vertical**



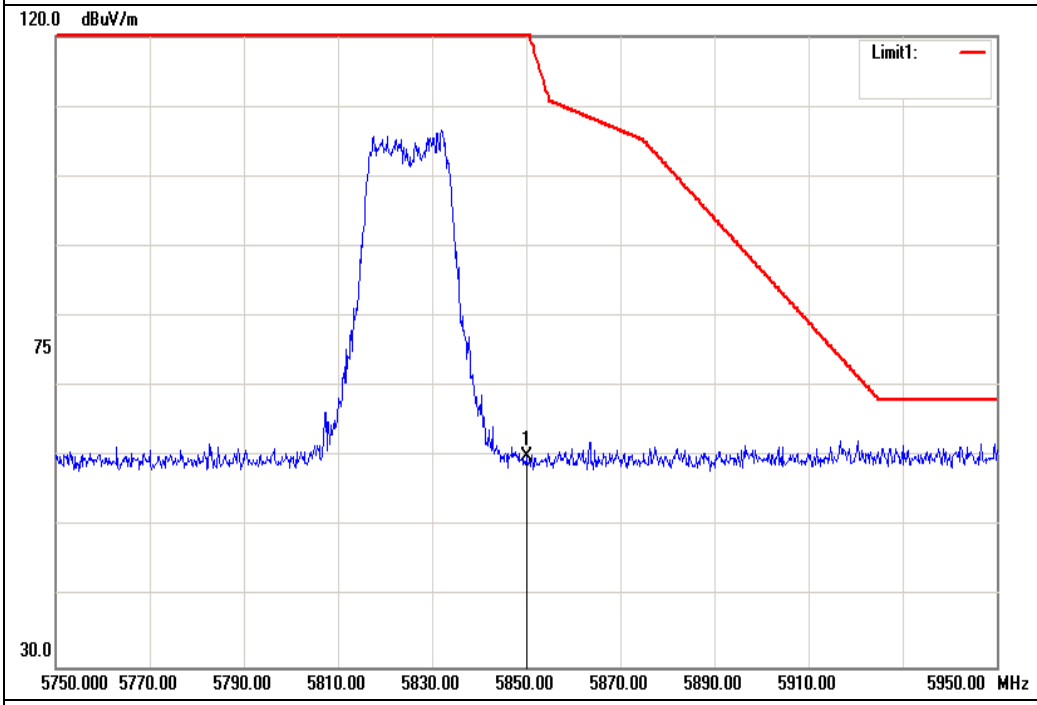
Detector mode: Peak **Polarity: Horizontal**



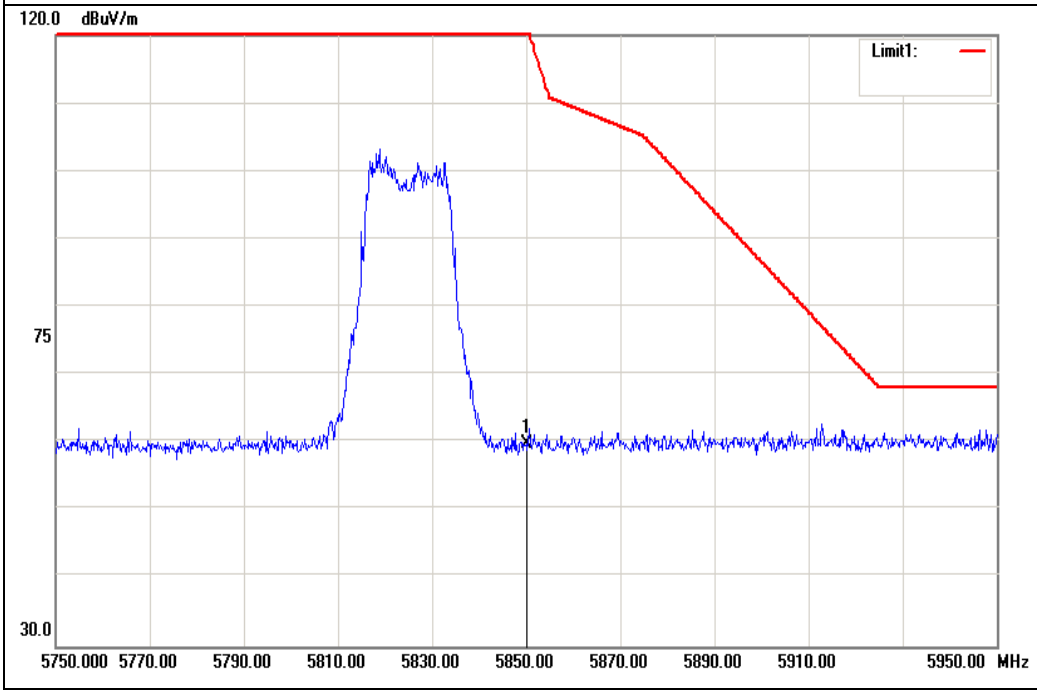
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5725.000	54.20	5.96	60.16	122.20	-62.04	Peak	Vertical
2	5725.000	55.29	5.96	61.25	122.20	-60.95	Peak	Horizontal

IEEE 802.11n HT 20 MHz mode / 5750~ 5950MHz

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**

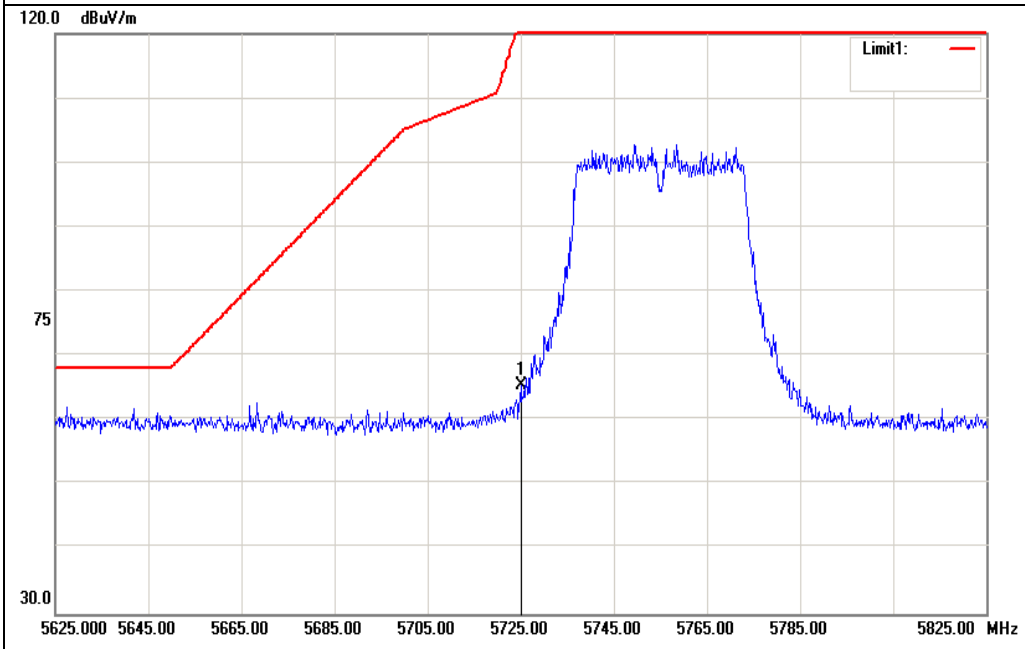


No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5850.000	53.98	6.02	60.00	122.20	-62.20	Peak	Vertical
2	5850.000	53.79	6.02	59.81	122.20	-62.39	Peak	Horizontal

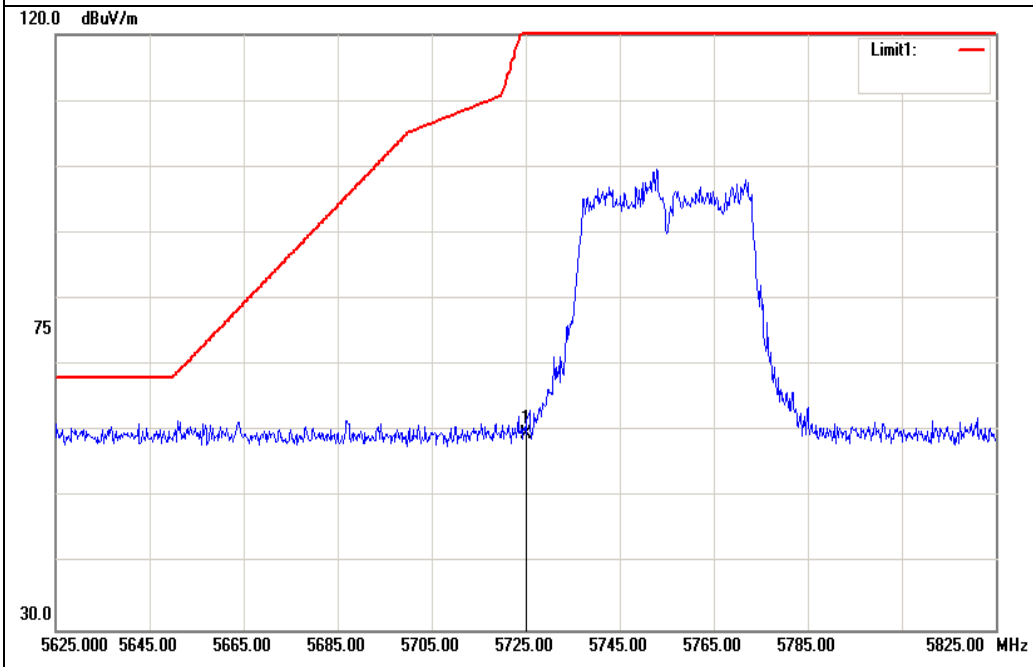
Combine with Antenna 0 and Antenna 1 and Antenna 2

IEEE 802.11n HT 40 MHz mode / 5625 ~ 5825MHz

Detector mode: Peak **Polarity: Vertical**



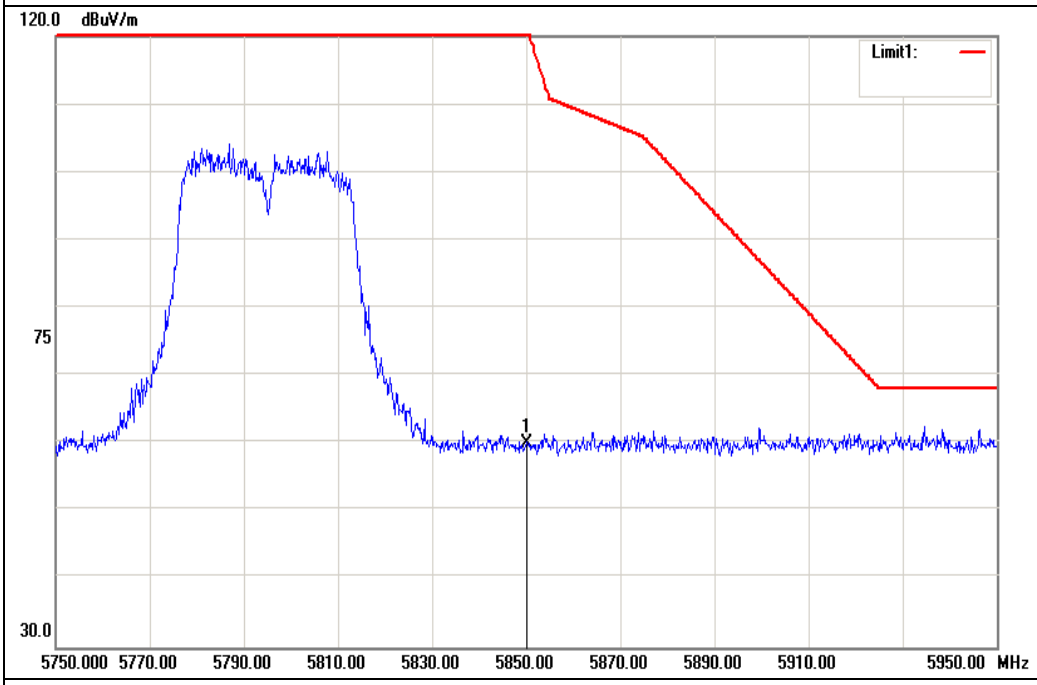
Detector mode: Peak **Polarity: Horizontal**



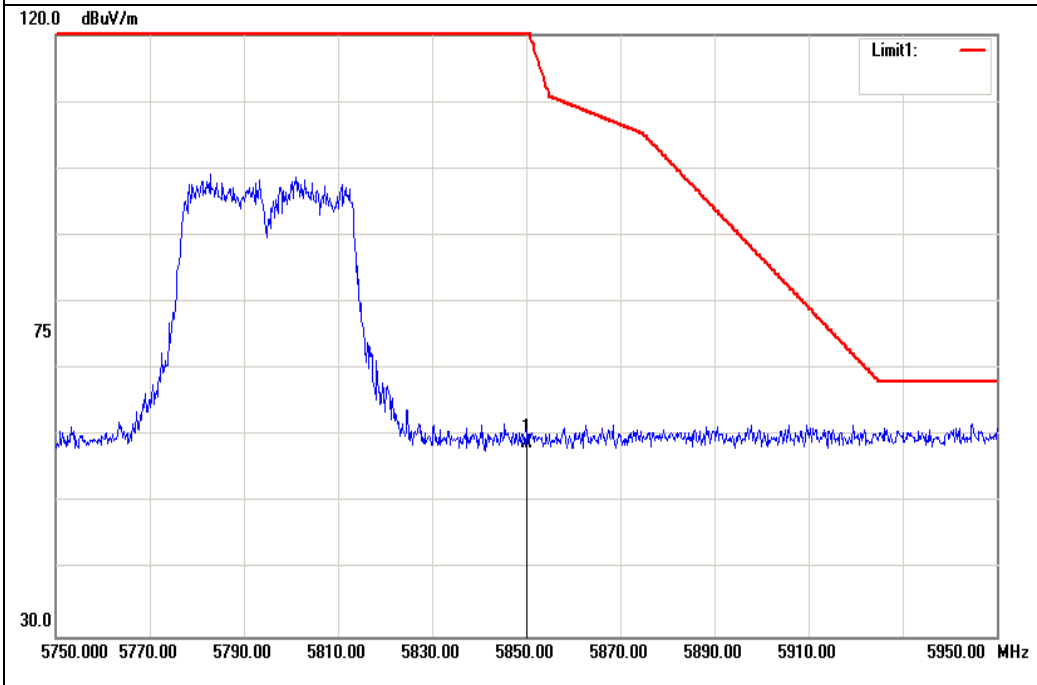
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5725.000	59.44	5.96	65.40	122.20	-56.80	Peak	Vertical
2	5725.000	53.71	5.96	59.67	122.20	-62.53	Peak	Horizontal

IEEE 802.11n HT 40 MHz mode / 5750~ 5950MHz

Detector mode: Peak **Polarity: Vertical**



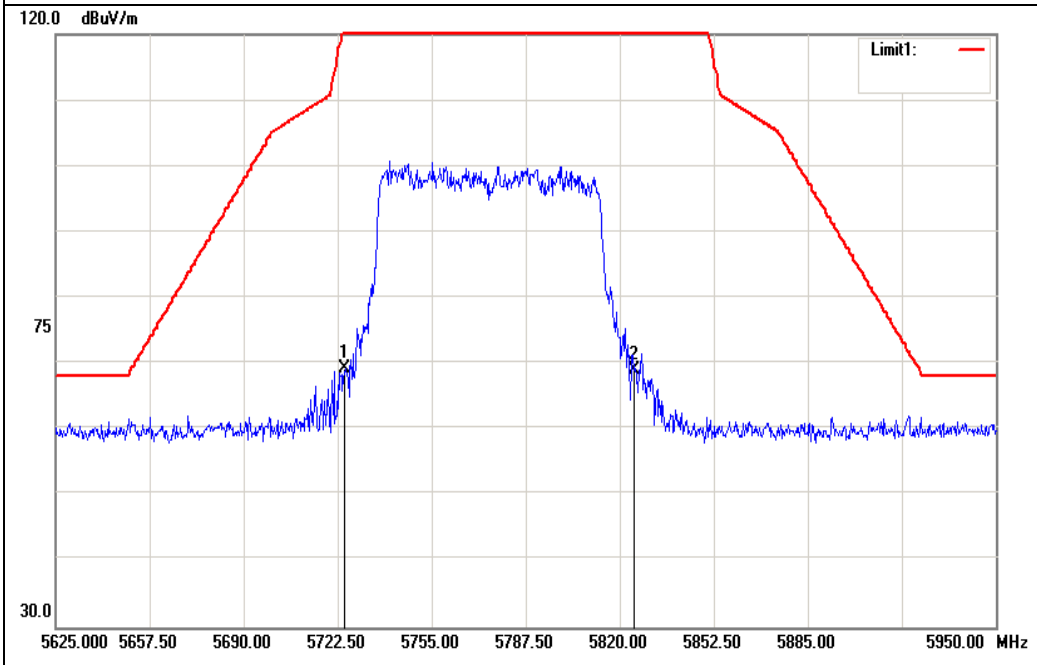
Detector mode: Peak **Polarity: Horizontal**



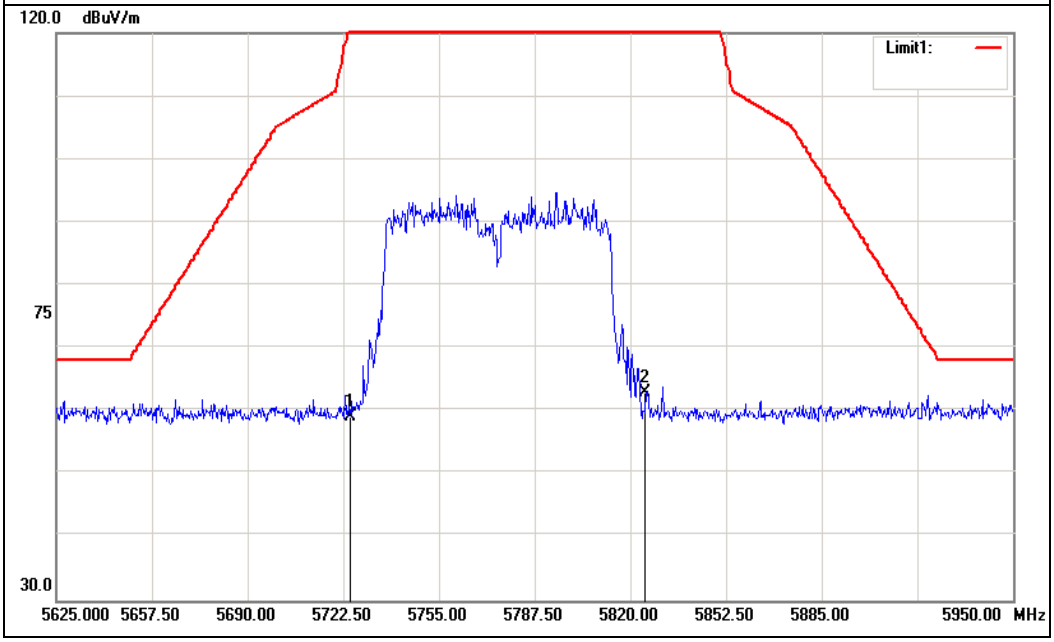
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5850.000	54.13	6.02	60.15	122.20	-62.05	Peak	Vertical
2	5850.000	52.96	6.02	58.98	122.20	-63.22	Peak	Horizontal

Combine with Antenna 0 and Antenna 1 and Antenna 2
IEEE 802.11ac 80 mode / 5625 ~ 5950MHz

Detector mode: Peak **Polarity: Vertical**



Detector mode: Peak **Polarity: Horizontal**



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5725.000	63.21	5.96	69.17	122.20	-53.03	Peak	Vertical
2	5825.000	62.97	6.01	68.98	122.20	-53.22	Peak	Vertical
3	5725.000	53.08	5.96	59.04	122.20	-63.16	Peak	Horizontal
4	5825.000	57.01	6.01	63.02	122.20	-59.18	Peak	Horizontal

6.9 POWERLINE CONDUCTED EMISSIONS

6.9.1 LIMIT

According to §15.207(a), except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

** Decreases with the logarithm of the frequency.*

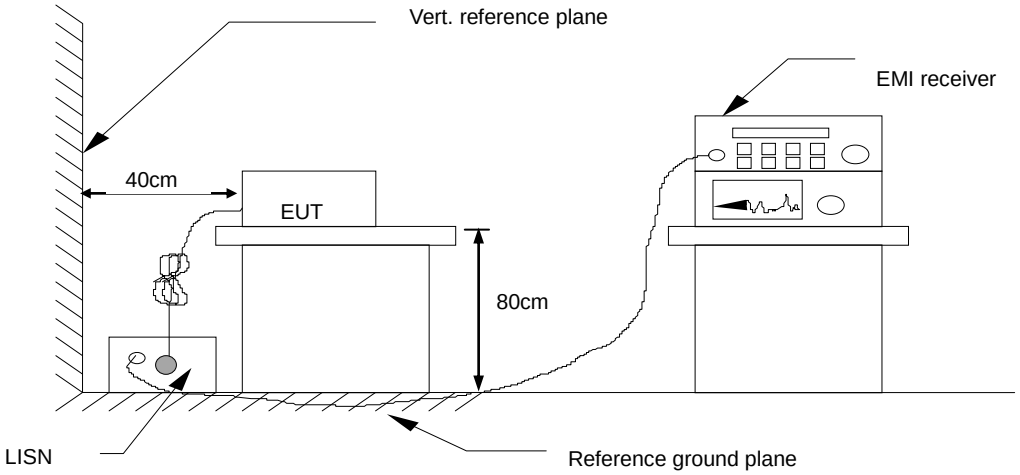
6.9.2 TEST INSTRUMENTS

Conducted Emission Test Site					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/11/2017	02/10/2018
LISN(EUT)	ROHDE&SCHWARZ	ENV216	101543-WX	02/11/2017	02/10/2018
LISN	EMCO	3825/2	8901-1459	02/12/2017	02/11/2018
Temp. / Humidity Meter	VICTOR	HTC-1	N/A	02/15/2017	02/14/2018
Test S/W	FARAD	EZ-EMC/ CCS-3A1-CE			

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. N.C.R = No Calibration Request.

6.9.3 TEST CONFIGURATION



6.9.4 TEST PROCEDURE

1. The EUT was placed on a table, which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

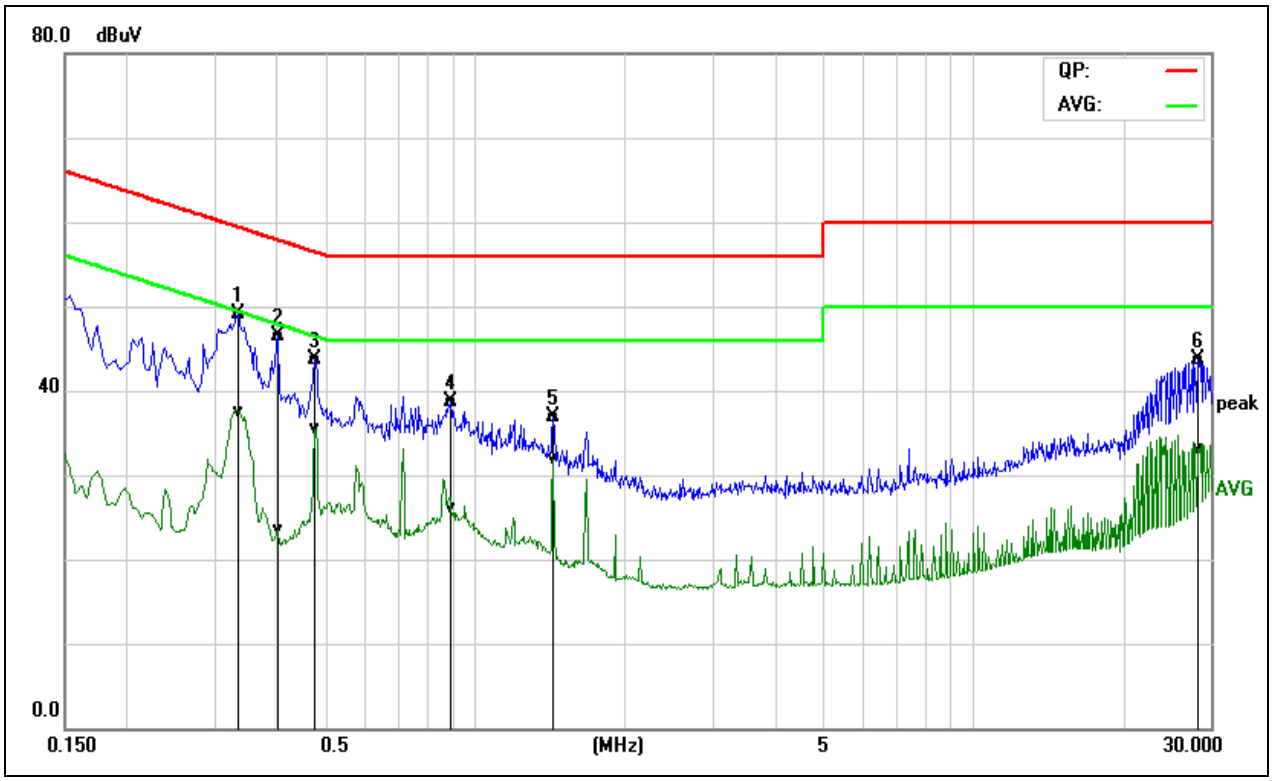
6.9.5 DATA SAMPLE

Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
X.XXXX	32.69	25.65	11.52	44.21	37.17	65.78	55.79	-21.57	-18.62	Pass

Factor = Insertion loss of LISN + Cable Loss
Result = Quasi-peak Reading/ Average Reading + Factor
Limit = Limit stated in standard
Margin = Result (dBuV) – Limit (dBuV)

6.9.6 TEST RESULTS

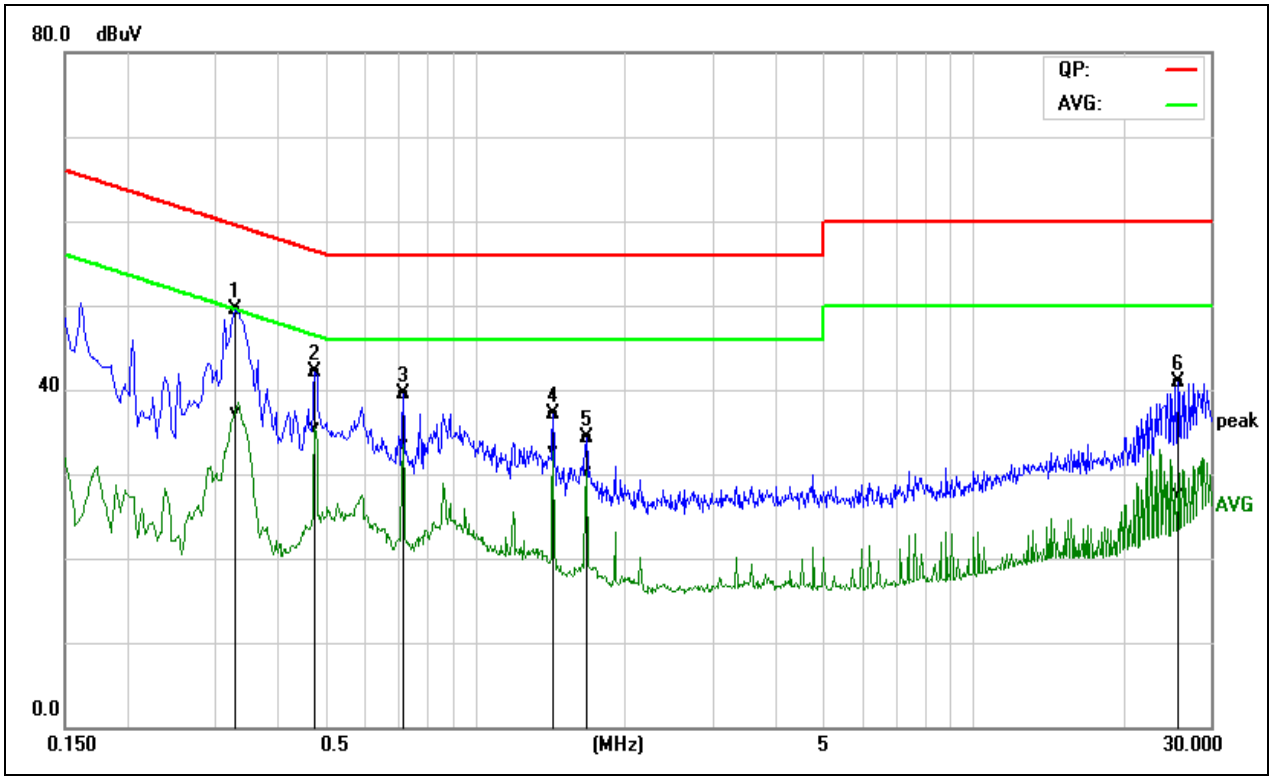
Model No.	ASC175	RBW,VBW	9 kHz
Environmental Conditions	22°C, 45% RH	Test Mode	Mode 2
Tested by	Saber Huang	Line	L1
Test Date	March 14, 2017		



Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
0.3339	29.37	17.89	19.64	49.01	37.53	59.35	49.35	-10.34	-11.82	Pass
0.4020	26.79	3.79	19.63	46.42	23.42	57.81	47.81	-11.39	-24.39	Pass
0.4780	24.15	15.89	19.63	43.78	35.52	56.37	46.37	-12.59	-10.85	Pass
0.8980	19.08	6.45	19.70	38.78	26.15	56.00	46.00	-17.22	-19.85	Pass
1.4340	17.28	12.27	19.68	36.96	31.95	56.00	46.00	-19.04	-14.05	Pass
28.2060	23.72	13.05	20.04	43.76	33.09	60.00	50.00	-16.24	-16.91	Pass

REMARKS: *L1 = Line One (Live Line)*

Model No.	ASC175	**RBW,VBW**	9 kHz
Environmental Conditions	22°C, 45% RH	**Test Mode**	Mode 2
Tested by	Saber Huang	**Line**	L2
Test Date	March 14, 2017		



Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
0.3300	29.74	17.65	19.70	49.44	37.35	59.45	49.45	-10.01	-12.10	Pass
0.4780	22.39	15.84	19.64	42.03	35.48	56.37	46.37	-14.34	-10.89	Pass
0.7180	19.84	13.76	19.72	39.56	33.48	56.00	46.00	-16.44	-12.52	Pass
1.4340	17.33	12.96	19.74	37.07	32.70	56.00	46.00	-18.93	-13.30	Pass
1.6740	14.64	10.53	19.73	34.37	30.26	56.00	46.00	-21.63	-15.74	Pass
25.8260	21.03	7.89	19.87	40.90	27.76	60.00	50.00	-19.10	-22.24	Pass

REMARKS: *L2 = Line Two (Neutral Line)*

6.10 FREQUENCY STABILITY

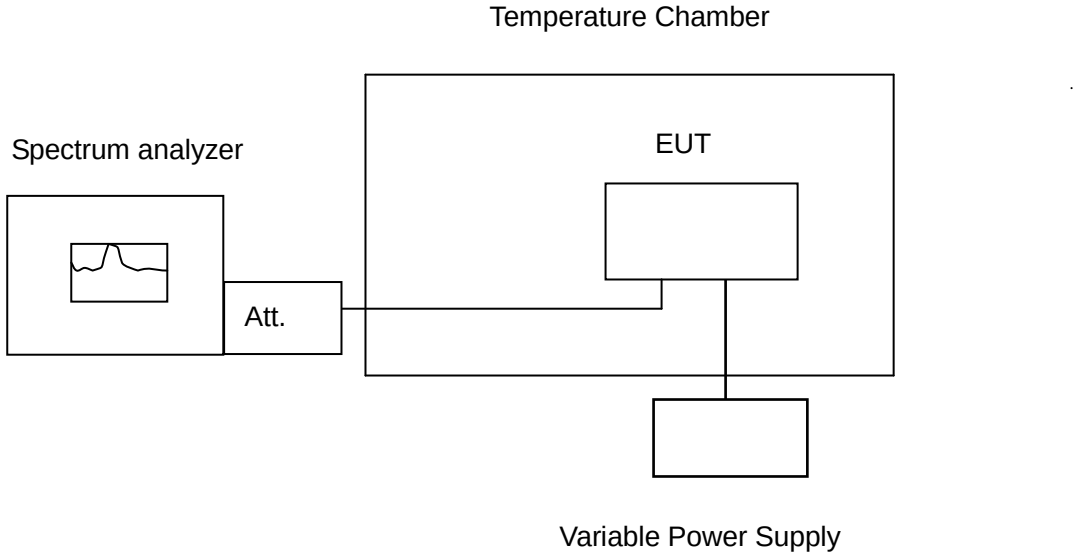
6.10.1 LIMIT

According to §15.407(g), manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the operational description.

6.10.2 TEST INSTRUMENTS

Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2017	02/20/2018
DC Power Supply	DAZHENG	PS-605D	20018978	N.C.R	N.C.R
AC POWER SOUCE	UMART	HPA1010	N/A	N.C.R	N.C.R
Power Meter	Anritsu	ML2495A	1204003	02/21/2017	02/20/2018
Power Sensor	Anritsu	MA2411B	1126150	02/21/2017	02/20/2018
Temperature Chamber	TERCHY	MHG-800N	E21104	11/18/2016	11/17/2017
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/21/2017	02/20/2018

6.10.3 TEST CONFIGURATION



Remark: *Measurement setup for testing on Antenna connector*

6.10.4 TEST PROCEDURE

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20^{o}C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to –20^{o}C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10^{o}C increased per stage until the highest temperature of +50^{o}C reached.

6.10.5 TEST RESULTS

No non-compliance noted.

Test Data
Antenna 0

IEEE 802.11a MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.998383	5150-5250	PASS
40	120	5179.978483	5150-5250	PASS
30	120	5179.985768	5150-5250	PASS
20	120	5179.987264	5150-5250	PASS
10	120	5179.963605	5150-5250	PASS
0	120	5179.996327	5150-5250	PASS
-10	120	5179.951659	5150-5250	PASS
-20	120	5179.960820	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.966112	5150-5250	PASS
	120	5179.987264	5150-5250	PASS
	132	5179.980560	5150-5250	PASS

IEEE 802.11a MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.955309	5150-5250	PASS
40	120	5239.986826	5150-5250	PASS
30	120	5239.999273	5150-5250	PASS
20	120	5239.996883	5150-5250	PASS
10	120	5239.958633	5150-5250	PASS
0	120	5239.983827	5150-5250	PASS
-10	120	5239.970690	5150-5250	PASS
-20	120	5239.988131	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.989161	5150-5250	PASS
	120	5239.996883	5150-5250	PASS
	132	5239.974056	5150-5250	PASS

IEEE 802.11a mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.986988	5725-5850	PASS
40	120	5744.974064	5725-5850	PASS
30	120	5744.954348	5725-5850	PASS
20	120	5744.986387	5725-5850	PASS
10	120	5744.966965	5725-5850	PASS
0	120	5744.959623	5725-5850	PASS
-10	120	5744.964770	5725-5850	PASS
-20	120	5744.978478	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.951405	5725-5850	PASS
	120	5744.986387	5725-5850	PASS
	132	5744.949986	5725-5850	PASS

IEEE 802.11a mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.969242	5725-5850	PASS
40	120	5824.987168	5725-5850	PASS
30	120	5824.963745	5725-5850	PASS
20	120	5824.976821	5725-5850	PASS
10	120	5824.952851	5725-5850	PASS
0	120	5824.956331	5725-5850	PASS
-10	120	5824.967642	5725-5850	PASS
-20	120	5824.980749	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.999851	5725-5850	PASS
	120	5824.976821	5725-5850	PASS
	132	5824.985409	5725-5850	PASS

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IEEE 802.11a MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.970739	5150-5250	PASS
40	120	5179.993685	5150-5250	PASS
30	120	5179.970714	5150-5250	PASS
20	120	5179.987266	5150-5250	PASS
10	120	5179.987613	5150-5250	PASS
0	120	5179.993147	5150-5250	PASS
-10	120	5179.989591	5150-5250	PASS
-20	120	5179.958024	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.958120	5150-5250	PASS
	120	5179.987266	5150-5250	PASS
	132	5179.982663	5150-5250	PASS

IEEE 802.11a MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.955718	5150-5250	PASS
40	120	5239.997560	5150-5250	PASS
30	120	5239.977438	5150-5250	PASS
20	120	5239.996880	5150-5250	PASS
10	120	5239.958329	5150-5250	PASS
0	120	5239.963671	5150-5250	PASS
-10	120	5239.996995	5150-5250	PASS
-20	120	5239.984708	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.992970	5150-5250	PASS
	120	5239.996880	5150-5250	PASS
	132	5239.959193	5150-5250	PASS

IEEE 802.11a MHz mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.997104	5725-5850	PASS
40	120	5744.957953	5725-5850	PASS
30	120	5744.980151	5725-5850	PASS
20	120	5744.986388	5725-5850	PASS
10	120	5744.978272	5725-5850	PASS
0	120	5744.979552	5725-5850	PASS
-10	120	5744.972719	5725-5850	PASS
-20	120	5744.961443	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.958544	5725-5850	PASS
	120	5744.986388	5725-5850	PASS
	132	5744.963408	5725-5850	PASS

IEEE 802.11a MHz mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.950953	5725-5850	PASS
40	120	5824.989768	5725-5850	PASS
30	120	5824.950225	5725-5850	PASS
20	120	5824.976826	5725-5850	PASS
10	120	5824.977385	5725-5850	PASS
0	120	5824.991904	5725-5850	PASS
-10	120	5824.964817	5725-5850	PASS
-20	120	5824.993316	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.975823	5725-5850	PASS
	120	5824.976826	5725-5850	PASS
	132	5824.956272	5725-5850	PASS

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IEEE 802.11a MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.949784	5150-5250	PASS
40	120	5179.971557	5150-5250	PASS
30	120	5179.958151	5150-5250	PASS
20	120	5179.987266	5150-5250	PASS
10	120	5179.977742	5150-5250	PASS
0	120	5179.961068	5150-5250	PASS
-10	120	5179.976045	5150-5250	PASS
-20	120	5179.995210	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.990172	5150-5250	PASS
	120	5179.987266	5150-5250	PASS
	132	5179.983255	5150-5250	PASS

IEEE 802.11a MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.982234	5150-5250	PASS
40	120	5239.980006	5150-5250	PASS
30	120	5239.997894	5150-5250	PASS
20	120	5239.996880	5150-5250	PASS
10	120	5239.958397	5150-5250	PASS
0	120	5239.971258	5150-5250	PASS
-10	120	5239.990356	5150-5250	PASS
-20	120	5239.964639	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.988298	5150-5250	PASS
	120	5239.996880	5150-5250	PASS
	132	5239.949738	5150-5250	PASS

IEEE 802.11a MHz mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.976692	5725-5850	PASS
40	120	5744.961045	5725-5850	PASS
30	120	5744.955309	5725-5850	PASS
20	120	5744.986388	5725-5850	PASS
10	120	5744.955645	5725-5850	PASS
0	120	5744.968447	5725-5850	PASS
-10	120	5744.982852	5725-5850	PASS
-20	120	5744.963742	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.981159	5725-5850	PASS
	120	5744.986388	5725-5850	PASS
	132	5744.991237	5725-5850	PASS

IEEE 802.11a MHz mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.952288	5725-5850	PASS
40	120	5824.978598	5725-5850	PASS
30	120	5824.984935	5725-5850	PASS
20	120	5824.976826	5725-5850	PASS
10	120	5824.990494	5725-5850	PASS
0	120	5824.980609	5725-5850	PASS
-10	120	5824.955958	5725-5850	PASS
-20	120	5824.971475	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.998346	5725-5850	PASS
	120	5824.976826	5725-5850	PASS
	132	5824.949682	5725-5850	PASS

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IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.999161	5150-5250	PASS
40	120	5179.950553	5150-5250	PASS
30	120	5179.951459	5150-5250	PASS
20	120	5179.994545	5150-5250	PASS
10	120	5179.956815	5150-5250	PASS
0	120	5179.986126	5150-5250	PASS
-10	120	5179.984090	5150-5250	PASS
-20	120	5179.991104	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.988319	5150-5250	PASS
	120	5179.994545	5150-5250	PASS
	132	5179.964887	5150-5250	PASS

IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.964169	5150-5250	PASS
40	120	5239.972690	5150-5250	PASS
30	120	5239.950819	5150-5250	PASS
20	120	5239.996454	5150-5250	PASS
10	120	5239.988511	5150-5250	PASS
0	120	5239.963674	5150-5250	PASS
-10	120	5239.986201	5150-5250	PASS
-20	120	5239.966488	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.980023	5150-5250	PASS
	120	5239.996454	5150-5250	PASS
	132	5239.980521	5150-5250	PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.989126	5725-5850	PASS
40	120	5744.984456	5725-5850	PASS
30	120	5744.982342	5725-5850	PASS
20	120	5744.965489	5725-5850	PASS
10	120	5744.995268	5725-5850	PASS
0	120	5744.960291	5725-5850	PASS
-10	120	5744.992537	5725-5850	PASS
-20	120	5744.957724	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.972607	5725-5850	PASS
	120	5744.965489	5725-5850	PASS
	132	5744.960287	5725-5850	PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.950950	5725-5850	PASS
40	120	5824.973504	5725-5850	PASS
30	120	5824.977919	5725-5850	PASS
20	120	5824.973587	5725-5850	PASS
10	120	5824.986165	5725-5850	PASS
0	120	5824.961633	5725-5850	PASS
-10	120	5824.979888	5725-5850	PASS
-20	120	5824.981244	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.986180	5725-5850	PASS
	120	5824.973587	5725-5850	PASS
	132	5824.967372	5725-5850	PASS

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IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.950001	5150-5250	PASS
40	120	5179.964896	5150-5250	PASS
30	120	5179.993613	5150-5250	PASS
20	120	5179.994785	5150-5250	PASS
10	120	5179.987532	5150-5250	PASS
0	120	5179.981481	5150-5250	PASS
-10	120	5179.956943	5150-5250	PASS
-20	120	5179.969342	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.975298	5150-5250	PASS
	120	5179.994785	5150-5250	PASS
	132	5179.998923	5150-5250	PASS

IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.964701	5150-5250	PASS
40	120	5239.976767	5150-5250	PASS
30	120	5239.970229	5150-5250	PASS
20	120	5239.997788	5150-5250	PASS
10	120	5239.971686	5150-5250	PASS
0	120	5239.966708	5150-5250	PASS
-10	120	5239.970590	5150-5250	PASS
-20	120	5239.984830	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.951724	5150-5250	PASS
	120	5239.997788	5150-5250	PASS
	132	5239.960005	5150-5250	PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.973136	5725-5850	PASS
40	120	5744.988534	5725-5850	PASS
30	120	5744.982060	5725-5850	PASS
20	120	5744.965556	5725-5850	PASS
10	120	5744.994565	5725-5850	PASS
0	120	5744.984733	5725-5850	PASS
-10	120	5744.957628	5725-5850	PASS
-20	120	5744.977998	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.999376	5725-5850	PASS
	120	5744.965556	5725-5850	PASS
	132	5744.995188	5725-5850	PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.987255	5725-5850	PASS
40	120	5824.980995	5725-5850	PASS
30	120	5824.990640	5725-5850	PASS
20	120	5824.973889	5725-5850	PASS
10	120	5824.967546	5725-5850	PASS
0	120	5824.997892	5725-5850	PASS
-10	120	5824.974483	5725-5850	PASS
-20	120	5824.988608	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.968555	5725-5850	PASS
	120	5824.973889	5725-5850	PASS
	132	5824.951608	5725-5850	PASS

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IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.952006	5150-5250	PASS
40	120	5179.950108	5150-5250	PASS
30	120	5179.991632	5150-5250	PASS
20	120	5179.994785	5150-5250	PASS
10	120	5179.998300	5150-5250	PASS
0	120	5179.952370	5150-5250	PASS
-10	120	5179.993187	5150-5250	PASS
-20	120	5179.958425	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.997690	5150-5250	PASS
	120	5179.994785	5150-5250	PASS
	132	5179.969112	5150-5250	PASS

IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.994330	5150-5250	PASS
40	120	5239.982982	5150-5250	PASS
30	120	5239.988431	5150-5250	PASS
20	120	5239.997788	5150-5250	PASS
10	120	5239.986899	5150-5250	PASS
0	120	5239.971663	5150-5250	PASS
-10	120	5239.981440	5150-5250	PASS
-20	120	5239.981212	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.982218	5150-5250	PASS
	120	5239.997788	5150-5250	PASS
	132	5239.950407	5150-5250	PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.987085	5725-5850	PASS
40	120	5744.992027	5725-5850	PASS
30	120	5744.987679	5725-5850	PASS
20	120	5744.965556	5725-5850	PASS
10	120	5744.962041	5725-5850	PASS
0	120	5744.953514	5725-5850	PASS
-10	120	5744.970533	5725-5850	PASS
-20	120	5744.997635	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.987971	5725-5850	PASS
	120	5744.965556	5725-5850	PASS
	132	5744.964609	5725-5850	PASS

IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.972862	5725-5850	PASS
40	120	5824.998496	5725-5850	PASS
30	120	5824.998645	5725-5850	PASS
20	120	5824.973889	5725-5850	PASS
10	120	5824.991762	5725-5850	PASS
0	120	5824.990275	5725-5850	PASS
-10	120	5824.953881	5725-5850	PASS
-20	120	5824.972966	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.996904	5725-5850	PASS
	120	5824.973889	5725-5850	PASS
	132	5824.954438	5725-5850	PASS

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IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5189.965201	5150-5250	PASS
40	120	5189.996734	5150-5250	PASS
30	120	5189.982096	5150-5250	PASS
20	120	5189.935478	5150-5250	PASS
10	120	5189.967926	5150-5250	PASS
0	120	5189.979434	5150-5250	PASS
-10	120	5189.959478	5150-5250	PASS
-20	120	5189.951806	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5189.959386	5150-5250	PASS
	120	5189.935478	5150-5250	PASS
	132	5189.998139	5150-5250	PASS

IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5229.996135	5150-5250	PASS
40	120	5229.957468	5150-5250	PASS
30	120	5229.971769	5150-5250	PASS
20	120	5230.006879	5150-5250	PASS
10	120	5229.964248	5150-5250	PASS
0	120	5229.960760	5150-5250	PASS
-10	120	5229.991248	5150-5250	PASS
-20	120	5229.971963	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5229.993749	5150-5250	PASS
	120	5230.006879	5150-5250	PASS
	132	5229.996076	5150-5250	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5754.965105	5725-5850	PASS
40	120	5754.997268	5725-5850	PASS
30	120	5754.997928	5725-5850	PASS
20	120	5754.994124	5725-5850	PASS
10	120	5754.967171	5725-5850	PASS
0	120	5754.954653	5725-5850	PASS
-10	120	5754.975503	5725-5850	PASS
-20	120	5754.970730	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5754.961682	5725-5850	PASS
	120	5754.994124	5725-5850	PASS
	132	5754.993676	5725-5850	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5794.952155	5725-5850	PASS
40	120	5794.990328	5725-5850	PASS
30	120	5794.962693	5725-5850	PASS
20	120	5794.983278	5725-5850	PASS
10	120	5794.957773	5725-5850	PASS
0	120	5794.964173	5725-5850	PASS
-10	120	5794.991194	5725-5850	PASS
-20	120	5794.973474	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5794.991784	5725-5850	PASS
	120	5794.983278	5725-5850	PASS
	132	5794.980069	5725-5850	PASS

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IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5189.962131	5150-5250	PASS
40	120	5189.973580	5150-5250	PASS
30	120	5189.962288	5150-5250	PASS
20	120	5189.935446	5150-5250	PASS
10	120	5189.978961	5150-5250	PASS
0	120	5189.961332	5150-5250	PASS
-10	120	5189.977844	5150-5250	PASS
-20	120	5189.951007	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5189.984492	5150-5250	PASS
	120	5189.935446	5150-5250	PASS
	132	5189.972747	5150-5250	PASS

IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5229.980385	5150-5250	PASS
40	120	5229.951677	5150-5250	PASS
30	120	5229.983059	5150-5250	PASS
20	120	5230.001122	5150-5250	PASS
10	120	5229.978774	5150-5250	PASS
0	120	5229.971444	5150-5250	PASS
-10	120	5229.999707	5150-5250	PASS
-20	120	5229.988288	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5229.977530	5150-5250	PASS
	120	5230.001122	5150-5250	PASS
	132	5229.956221	5150-5250	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5754.979256	5725-5850	PASS
40	120	5754.970766	5725-5850	PASS
30	120	5754.999177	5725-5850	PASS
20	120	5754.994111	5725-5850	PASS
10	120	5754.969593	5725-5850	PASS
0	120	5754.978329	5725-5850	PASS
-10	120	5754.979116	5725-5850	PASS
-20	120	5754.977543	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5754.954424	5725-5850	PASS
	120	5754.994111	5725-5850	PASS
	132	5754.973636	5725-5850	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5794.983701	5725-5850	PASS
40	120	5794.976876	5725-5850	PASS
30	120	5794.956229	5725-5850	PASS
20	120	5794.983335	5725-5850	PASS
10	120	5794.999013	5725-5850	PASS
0	120	5794.970150	5725-5850	PASS
-10	120	5794.966501	5725-5850	PASS
-20	120	5794.989129	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5794.990715	5725-5850	PASS
	120	5794.983335	5725-5850	PASS
	132	5794.996465	5725-5850	PASS

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IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5189.978364	5150-5250	PASS
40	120	5189.968349	5150-5250	PASS
30	120	5189.964384	5150-5250	PASS
20	120	5189.935446	5150-5250	PASS
10	120	5189.966254	5150-5250	PASS
0	120	5189.965694	5150-5250	PASS
-10	120	5189.978091	5150-5250	PASS
-20	120	5189.967032	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5189.964881	5150-5250	PASS
	120	5189.935446	5150-5250	PASS
	132	5189.967232	5150-5250	PASS

IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5229.967009	5150-5250	PASS
40	120	5229.968010	5150-5250	PASS
30	120	5229.960313	5150-5250	PASS
20	120	5230.001122	5150-5250	PASS
10	120	5229.984626	5150-5250	PASS
0	120	5229.953210	5150-5250	PASS
-10	120	5229.993835	5150-5250	PASS
-20	120	5229.992168	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5229.951493	5150-5250	PASS
	120	5230.001122	5150-5250	PASS
	132	5229.997127	5150-5250	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (Low)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5754.985776	5725-5850	PASS
40	120	5754.986327	5725-5850	PASS
30	120	5754.988132	5725-5850	PASS
20	120	5754.994111	5725-5850	PASS
10	120	5754.966546	5725-5850	PASS
0	120	5754.972453	5725-5850	PASS
-10	120	5754.963553	5725-5850	PASS
-20	120	5754.996442	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5754.968952	5725-5850	PASS
	120	5754.994111	5725-5850	PASS
	132	5754.963616	5725-5850	PASS

IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz (High)

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5794.997964	5725-5850	PASS
40	120	5794.987527	5725-5850	PASS
30	120	5794.994720	5725-5850	PASS
20	120	5794.983335	5725-5850	PASS
10	120	5794.959629	5725-5850	PASS
0	120	5794.958467	5725-5850	PASS
-10	120	5794.983444	5725-5850	PASS
-20	120	5794.952998	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5794.953361	5725-5850	PASS
	120	5794.983335	5725-5850	PASS
	132	5794.977875	5725-5850	PASS

Antenna 0

IEEE 802.11ac 80 mode / 5210MHz

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5209.983755	5150-5250	PASS
40	120	5209.981166	5150-5250	PASS
30	120	5209.972629	5150-5250	PASS
20	120	5209.975565	5150-5250	PASS
10	120	5209.966693	5150-5250	PASS
0	120	5209.961145	5150-5250	PASS
-10	120	5209.975769	5150-5250	PASS
-20	120	5209.952629	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5209.989305	5150-5250	PASS
	120	5209.975565	5150-5250	PASS
	132	5209.983282	5150-5250	PASS

IEEE 802.11ac 80 mode / 5775MHz

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5774.986287	5725-5850	PASS
40	120	5774.956961	5725-5850	PASS
30	120	5774.981821	5725-5850	PASS
20	120	5774.944748	5725-5850	PASS
10	120	5774.971961	5725-5850	PASS
0	120	5774.981216	5725-5850	PASS
-10	120	5774.997387	5725-5850	PASS
-20	120	5774.950398	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5774.951109	5725-5850	PASS
	120	5774.944748	5725-5850	PASS
	132	5774.972231	5725-5850	PASS

Antenna 1

IEEE 802.11ac 80 mode / 5210MHz

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5209.966588	5150-5250	PASS
40	120	5209.998037	5150-5250	PASS
30	120	5209.968650	5150-5250	PASS
20	120	5209.975450	5150-5250	PASS
10	120	5209.993455	5150-5250	PASS
0	120	5209.950339	5150-5250	PASS
-10	120	5209.994530	5150-5250	PASS
-20	120	5209.983061	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5209.970418	5150-5250	PASS
	120	5209.975450	5150-5250	PASS
	132	5209.968962	5150-5250	PASS

IEEE 802.11ac 80 mode / 5775MHz

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5774.976354	5725-5850	PASS
40	120	5774.999044	5725-5850	PASS
30	120	5774.989112	5725-5850	PASS
20	120	5774.944670	5725-5850	PASS
10	120	5774.966476	5725-5850	PASS
0	120	5774.970644	5725-5850	PASS
-10	120	5774.997562	5725-5850	PASS
-20	120	5774.987796	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5774.966226	5725-5850	PASS
	120	5774.944670	5725-5850	PASS
	132	5774.976586	5725-5850	PASS

Antenna 2

IEEE 802.11ac 80 mode / 5210MHz

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5209.996822	5150-5250	PASS
40	120	5209.993007	5150-5250	PASS
30	120	5209.949431	5150-5250	PASS
20	120	5209.975450	5150-5250	PASS
10	120	5209.951422	5150-5250	PASS
0	120	5209.973092	5150-5250	PASS
-10	120	5209.972057	5150-5250	PASS
-20	120	5209.980888	5150-5250	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5209.992193	5150-5250	PASS
	120	5209.975450	5150-5250	PASS
	132	5209.968403	5150-5250	PASS

IEEE 802.11ac 80 mode / 5775MHz

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5774.992896	5725-5850	PASS
40	120	5774.996528	5725-5850	PASS
30	120	5774.952572	5725-5850	PASS
20	120	5774.944670	5725-5850	PASS
10	120	5774.987852	5725-5850	PASS
0	120	5774.958720	5725-5850	PASS
-10	120	5774.963566	5725-5850	PASS
-20	120	5774.954391	5725-5850	PASS

Environment Temperature (°C)	Volage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5774.979050	5725-5850	PASS
	120	5774.944670	5725-5850	PASS
	132	5774.998777	5725-5850	PASS