



**Test Mode:** TX / IEEE 802.11n HT 20 MHz / 5300MHz /(CH Mid)    **Tested by:** Darry Wu  
**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7680.000	31.44	9.03	40.47	74.00	-33.53	V	peak
8364.000	31.77	9.45	41.22	74.00	-32.78	V	peak
10596.000	34.37	13.83	48.20	74.00	-25.80	V	peak
11844.000	30.40	14.71	45.11	74.00	-28.89	V	peak
13008.000	28.68	17.97	46.65	74.00	-27.35	V	peak
14124.000	28.20	20.65	48.85	74.00	-25.15	V	peak
7764.000	31.19	9.19	40.38	74.00	-33.62	H	Peak
9828.000	31.01	11.48	42.49	74.00	-31.51	H	Peak
10596.000	31.95	13.83	45.78	74.00	-28.22	H	Peak
12912.000	28.99	17.66	46.65	74.00	-27.35	H	peak
14280.000	28.04	20.74	48.78	74.00	-25.22	H	peak
15000.000	28.52	21.16	49.68	74.00	-24.32	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 / 5320MHz /(CH High)   **Tested by:** Darry Wu  
**Ambient temperature:** 24°C   **Relative humidity:** 52% RH   **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6924.000	31.52	7.58	39.10	74.00	-34.90	V	peak
8352.000	31.35	9.46	40.81	74.00	-33.19	V	peak
10644.000	33.71	13.98	47.69	74.00	-26.31	V	peak
12792.000	28.88	17.26	46.14	74.00	-27.86	V	peak
14280.000	28.16	20.74	48.90	74.00	-25.10	V	peak
14928.000	28.30	21.12	49.42	74.00	-24.58	V	peak
6984.000	31.46	7.67	39.13	74.00	-34.87	H	Peak
8340.000	31.38	9.46	40.84	74.00	-33.16	H	Peak
10644.000	32.31	13.98	46.29	74.00	-27.71	H	Peak
11316.000	29.94	14.94	44.88	74.00	-29.12	H	peak
11844.000	30.19	14.71	44.90	74.00	-29.10	H	peak
14244.000	28.02	20.72	48.74	74.00	-25.26	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 / 5500MHz /(CH Low)    **Tested by:** Darry Wu  
**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6960.000	31.49	7.64	39.13	74.00	-34.87	V	peak
8400.000	31.26	9.43	40.69	74.00	-33.31	V	peak
10992.000	30.63	15.06	45.69	74.00	-28.31	V	peak
11844.000	30.29	14.71	45.00	74.00	-29.00	V	peak
14544.000	28.07	20.90	48.97	74.00	-25.03	V	peak
16500.000	30.09	20.00	50.09	74.00	-23.91	V	peak
7572.000	31.25	8.82	40.07	74.00	-33.93	H	Peak
10944.000	29.71	14.91	44.62	74.00	-29.38	H	Peak
11844.000	30.22	14.71	44.93	74.00	-29.07	H	Peak
13092.000	28.17	18.19	46.36	74.00	-27.64	H	peak
14508.000	28.08	20.87	48.95	74.00	-25.05	H	peak
17244.000	28.10	23.34	51.44	74.00	-22.56	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 / 5580MHz /(CH Mid)    **Tested by:** Darry Wu  
**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
8376.000	31.67	9.44	41.11	74.00	-32.89	V	peak
10056.000	30.89	12.15	43.04	74.00	-30.96	V	peak
11160.000	32.15	15.01	47.16	74.00	-26.84	V	peak
12096.000	30.05	14.96	45.01	74.00	-28.99	V	peak
12912.000	28.85	17.66	46.51	74.00	-27.49	V	peak
14124.000	28.08	20.65	48.73	74.00	-25.27	V	peak
8352.000	31.20	9.46	40.66	74.00	-33.34	H	Peak
10296.000	29.83	12.90	42.73	74.00	-31.27	H	Peak
11160.000	30.70	15.01	45.71	74.00	-28.29	H	Peak
11436.000	30.10	14.89	44.99	74.00	-29.01	H	peak
13524.000	27.51	19.33	46.84	74.00	-27.16	H	peak
14076.000	28.02	20.62	48.64	74.00	-25.36	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 / 5700MHz /(CH High)   **Tested by:** Darry Wu  
**Ambient temperature:** 24°C   **Relative humidity:** 52% RH   **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7752.000	31.37	9.17	40.54	74.00	-33.46	V	peak
8448.000	31.56	9.40	40.96	74.00	-33.04	V	peak
10788.000	29.15	14.42	43.57	74.00	-30.43	V	peak
11400.000	32.42	14.90	47.32	74.00	-26.68	V	peak
14064.000	28.36	20.62	48.98	74.00	-25.02	V	peak
14880.000	28.34	21.09	49.43	74.00	-24.57	V	peak
7728.000	31.07	9.12	40.19	74.00	-33.81	H	Peak
8436.000	31.44	9.41	40.85	74.00	-33.15	H	Peak
10056.000	30.57	12.15	42.72	74.00	-31.28	H	Peak
11316.000	29.57	14.94	44.51	74.00	-29.49	H	peak
12984.000	28.70	17.90	46.60	74.00	-27.40	H	peak
14244.000	28.04	20.72	48.76	74.00	-25.24	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:** Darry Wu  
**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7752.000	31.55	9.17	40.72	74.00	-33.28	V	peak
11484.000	32.66	14.87	47.53	74.00	-26.47	V	peak
12984.000	29.18	17.90	47.08	74.00	-26.92	V	peak
14244.000	28.36	20.72	49.08	74.00	-24.92	V	peak
15000.000	28.84	21.16	50.00	74.00	-24.00	V	peak
17244.000	28.88	23.34	52.22	74.00	-21.78	V	peak
7728.000	31.53	9.12	40.65	74.00	-33.35	H	Peak
8424.000	31.42	9.42	40.84	74.00	-33.16	H	Peak
10944.000	29.89	14.91	44.80	74.00	-29.20	H	Peak
11316.000	29.98	14.94	44.92	74.00	-29.08	H	peak
14052.000	28.16	20.61	48.77	74.00	-25.23	H	peak
14952.000	28.52	21.13	49.65	74.00	-24.35	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 802.11n HT 20 MHz / 5785MHz /(CH Mid)    **Tested by:** Darry Wu  
**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6924.000	31.93	7.58	39.51	74.00	-34.49	V	peak
7776.000	31.46	9.21	40.67	74.00	-33.33	V	peak
11568.000	34.17	14.83	49.00	74.00	-25.00	V	peak
12984.000	28.97	17.90	46.87	74.00	-27.13	V	peak
14208.000	28.31	20.70	49.01	74.00	-24.99	V	peak
17352.000	29.32	23.32	52.64	74.00	-21.36	V	peak
6972.000	31.99	7.65	39.64	74.00	-34.36	H	Peak
7740.000	31.30	9.14	40.44	74.00	-33.56	H	Peak
8448.000	31.86	9.40	41.26	74.00	-32.74	H	Peak
11568.000	31.26	14.83	46.09	74.00	-27.91	H	peak
12936.000	29.18	17.74	46.92	74.00	-27.08	H	peak
14460.000	28.41	20.85	49.26	74.00	-24.74	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:** Darry Wu  
**Ambient temperature:** 24°C   **Relative humidity:** 52% RH   **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7752.000	31.75	9.17	40.92	74.00	-33.08	V	peak
11016.000	30.09	15.07	45.16	74.00	-28.84	V	peak
11652.000	34.26	14.79	49.05	74.00	-24.95	V	peak
14220.000	28.20	20.71	48.91	74.00	-25.09	V	peak
15000.000	28.56	21.16	49.72	74.00	-24.28	V	peak
17472.000	29.80	23.30	53.10	74.00	-20.90	V	peak
7764.000	31.45	9.19	40.64	74.00	-33.36	H	Peak
10032.000	30.95	12.08	43.03	74.00	-30.97	H	Peak
10284.000	30.40	12.86	43.26	74.00	-30.74	H	Peak
11652.000	32.21	14.79	47.00	74.00	-27.00	H	peak
13980.000	27.95	20.53	48.48	74.00	-25.52	H	peak
14856.000	28.35	21.08	49.43	74.00	-24.57	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:** Darry Wu**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7764.000	31.76	9.19	40.95	74.00	-33.05	V	peak
10380.000	34.46	13.16	47.62	74.00	-26.38	V	peak
11076.000	30.00	15.05	45.05	74.00	-28.95	V	peak
12936.000	28.97	17.74	46.71	74.00	-27.29	V	peak
14280.000	28.30	20.74	49.04	74.00	-24.96	V	peak
14880.000	28.58	21.09	49.67	74.00	-24.33	V	peak
6924.000	31.97	7.58	39.55	74.00	-34.45	H	Peak
8364.000	31.43	9.45	40.88	74.00	-33.12	H	Peak
10392.000	31.21	13.20	44.41	74.00	-29.59	H	Peak
12420.000	29.71	16.03	45.74	74.00	-28.26	H	peak
14508.000	28.35	20.87	49.22	74.00	-24.78	H	peak
15000.000	28.49	21.16	49.65	74.00	-24.35	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 802.11n HT 40 MHz / 5230MHz /(CH High)    **Tested by:** Darry Wu  
**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7764.000	31.49	9.19	40.68	74.00	-33.32	V	peak
10056.000	31.08	12.15	43.23	74.00	-30.77	V	peak
10464.000	33.02	13.42	46.44	74.00	-27.56	V	peak
11088.000	30.07	15.04	45.11	74.00	-28.89	V	peak
13008.000	29.00	17.97	46.97	74.00	-27.03	V	peak
15000.000	28.44	21.16	49.60	74.00	-24.40	V	peak
7752.000	31.64	9.17	40.81	74.00	-33.19	H	Peak
8340.000	31.76	9.46	41.22	74.00	-32.78	H	Peak
10464.000	30.99	13.42	44.41	74.00	-29.59	H	Peak
12984.000	29.11	17.90	47.01	74.00	-26.99	H	peak
14316.000	28.51	20.76	49.27	74.00	-24.73	H	peak
14964.000	28.63	21.14	49.77	74.00	-24.23	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 / 5270MHz /(CH Low)    **Tested by:** Darry Wu  
**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7752.000	32.00	9.17	41.17	74.00	-32.83	V	peak
10536.000	32.27	13.64	45.91	74.00	-28.09	V	peak
10944.000	29.94	14.91	44.85	74.00	-29.15	V	peak
12792.000	28.90	17.26	46.16	74.00	-27.84	V	peak
14244.000	28.56	20.72	49.28	74.00	-24.72	V	peak
14964.000	28.51	21.14	49.65	74.00	-24.35	V	peak
7764.000	31.53	9.19	40.72	74.00	-33.28	H	Peak
8340.000	31.68	9.46	41.14	74.00	-32.86	H	Peak
10548.000	31.24	13.68	44.92	74.00	-29.08	H	Peak
11292.000	29.76	14.95	44.71	74.00	-29.29	H	peak
13008.000	29.09	17.97	47.06	74.00	-26.94	H	peak
14880.000	28.85	21.09	49.94	74.00	-24.06	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 / 5310MHz /(CH High)    **Tested by:** Darry Wu  
**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6972.000	31.95	7.65	39.60	74.00	-34.40	V	peak
8436.000	31.60	9.41	41.01	74.00	-32.99	V	peak
10620.000	32.17	13.90	46.07	74.00	-27.93	V	peak
11856.000	30.22	14.70	44.92	74.00	-29.08	V	peak
12792.000	29.54	17.26	46.80	74.00	-27.20	V	peak
14280.000	28.44	20.74	49.18	74.00	-24.82	V	peak
7728.000	31.57	9.12	40.69	74.00	-33.31	H	Peak
10620.000	31.05	13.90	44.95	74.00	-29.05	H	Peak
11052.000	29.63	15.06	44.69	74.00	-29.31	H	Peak
11844.000	30.56	14.71	45.27	74.00	-28.73	H	peak
12936.000	28.92	17.74	46.66	74.00	-27.34	H	peak
14052.000	27.89	20.61	48.50	74.00	-25.50	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 / 5510MHz /(CH Low)    **Tested by:** Darry Wu  
**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6948.000	31.85	7.62	39.47	74.00	-34.53	V	peak
8364.000	31.54	9.45	40.99	74.00	-33.01	V	peak
9948.000	30.83	11.83	42.66	74.00	-31.34	V	peak
11028.000	31.45	15.07	46.52	74.00	-27.48	V	peak
14316.000	28.44	20.76	49.20	74.00	-24.80	V	peak
14880.000	28.59	21.09	49.68	74.00	-24.32	V	peak
8364.000	31.36	9.45	40.81	74.00	-33.19	H	Peak
10392.000	30.43	13.20	43.63	74.00	-30.37	H	Peak
11040.000	29.80	15.06	44.86	74.00	-29.14	H	Peak
12984.000	29.04	17.90	46.94	74.00	-27.06	H	peak
14784.000	28.05	21.03	49.08	74.00	-24.92	H	peak
15000.000	28.63	21.16	49.79	74.00	-24.21	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 / 5550MHz /(CH Mid)    **Tested by:** Darry Wu  
**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7764.000	31.29	9.19	40.48	74.00	-33.52	V	peak
8448.000	31.38	9.40	40.78	74.00	-33.22	V	peak
10500.000	30.24	13.53	43.77	74.00	-30.23	V	peak
11184.000	30.35	15.00	45.35	74.00	-28.65	V	peak
12996.000	28.75	17.94	46.69	74.00	-27.31	V	peak
14460.000	28.17	20.85	49.02	74.00	-24.98	V	peak
7764.000	31.48	9.19	40.67	74.00	-33.33	H	Peak
9948.000	30.21	11.83	42.04	74.00	-31.96	H	Peak
11184.000	30.38	15.00	45.38	74.00	-28.62	H	Peak
13140.000	28.61	18.32	46.93	74.00	-27.07	H	peak
13524.000	27.84	19.33	47.17	74.00	-26.83	H	peak
14916.000	28.35	21.11	49.46	74.00	-24.54	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 / 5670MHz /(CH High)    **Tested by:** Darry Wu  
**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6168.000	33.25	6.35	39.60	74.00	-34.40	V	peak
8364.000	31.73	9.45	41.18	74.00	-32.82	V	peak
10104.000	30.29	12.30	42.59	74.00	-31.41	V	peak
11340.000	31.68	14.93	46.61	74.00	-27.39	V	peak
12984.000	28.93	17.90	46.83	74.00	-27.17	V	peak
14904.000	28.16	21.10	49.26	74.00	-24.74	V	peak
7728.000	31.39	9.12	40.51	74.00	-33.49	H	Peak
8376.000	31.40	9.44	40.84	74.00	-33.16	H	Peak
10944.000	29.54	14.91	44.45	74.00	-29.55	H	Peak
11316.000	29.74	14.94	44.68	74.00	-29.32	H	peak
12960.000	28.69	17.82	46.51	74.00	-27.49	H	peak
14880.000	28.61	21.09	49.70	74.00	-24.30	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:** Darry Wu  
**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6216.000	33.54	6.43	39.97	74.00	-34.03	V	peak
7680.000	31.38	9.03	40.41	74.00	-33.59	V	peak
8568.000	31.75	9.34	41.09	74.00	-32.91	V	peak
11508.000	30.71	14.86	45.57	74.00	-28.43	V	peak
13008.000	29.37	17.97	47.34	74.00	-26.66	V	peak
14952.000	28.53	21.13	49.66	74.00	-24.34	V	peak
7752.000	31.72	9.17	40.89	74.00	-33.11	H	Peak
9840.000	30.71	11.52	42.23	74.00	-31.77	H	Peak
11508.000	31.00	14.86	45.86	74.00	-28.14	H	Peak
11844.000	30.62	14.71	45.33	74.00	-28.67	H	peak
12984.000	29.08	17.90	46.98	74.00	-27.02	H	peak
14760.000	28.17	21.02	49.19	74.00	-24.81	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:** Darry Wu  
**Ambient temperature:** 24°C   **Relative humidity:** 52% RH   **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6264.000	34.09	6.51	40.60	74.00	-33.40	V	peak
7728.000	31.51	9.12	40.63	74.00	-33.37	V	peak
10968.000	29.68	14.98	44.66	74.00	-29.34	V	peak
11592.000	32.47	14.82	47.29	74.00	-26.71	V	peak
12912.000	28.66	17.66	46.32	74.00	-27.68	V	peak
14880.000	28.29	21.09	49.38	74.00	-24.62	V	peak
7752.000	31.39	9.17	40.56	74.00	-33.44	H	Peak
9612.000	30.62	10.86	41.48	74.00	-32.52	H	Peak
10500.000	30.39	13.53	43.92	74.00	-30.08	H	Peak
11592.000	30.55	14.82	45.37	74.00	-28.63	H	peak
13008.000	29.08	17.97	47.05	74.00	-26.95	H	peak
14928.000	28.21	21.12	49.33	74.00	-24.67	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).

**Combine with Antenna 0 and Antenna 1 and Antenna 2****Test Mode:** TX / IEEE 802.11ac 80 / 5210MHz /(CH Low)**Tested by:** Darry Wu**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7764.000	31.33	9.19	40.52	74.00	-33.48	V	peak
8352.000	31.55	9.46	41.01	74.00	-32.99	V	peak
10824.000	29.52	14.53	44.05	74.00	-29.95	V	peak
11844.000	30.75	14.71	45.46	74.00	-28.54	V	peak
13068.000	28.71	18.13	46.84	74.00	-27.16	V	peak
15000.000	28.38	21.16	49.54	74.00	-24.46	V	peak
7740.000	31.39	9.14	40.53	74.00	-33.47	H	Peak
8364.000	31.70	9.45	41.15	74.00	-32.85	H	Peak
10428.000	30.77	13.31	44.08	74.00	-29.92	H	Peak
10932.000	29.32	14.87	44.19	74.00	-29.81	H	peak
12912.000	28.92	17.66	46.58	74.00	-27.42	H	peak
15024.000	28.26	21.05	49.31	74.00	-24.69	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 / 5290MHz /(CH High)**Tested by:** Darry Wu**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7716.000	31.05	9.10	40.15	74.00	-33.85	V	peak
10584.000	35.26	13.79	49.05	74.00	-24.95	V	peak
11292.000	30.12	14.95	45.07	74.00	-28.93	V	peak
12960.000	29.53	17.82	47.35	74.00	-26.65	V	peak
14064.000	27.90	20.62	48.52	74.00	-25.48	V	peak
14952.000	28.33	21.13	49.46	74.00	-24.54	V	peak
7764.000	30.89	9.19	40.08	74.00	-33.92	H	Peak
9612.000	30.23	10.86	41.09	74.00	-32.91	H	Peak
10572.000	32.08	13.75	45.83	74.00	-28.17	H	Peak
12960.000	28.91	17.82	46.73	74.00	-27.27	H	peak
14124.000	27.55	20.65	48.20	74.00	-25.80	H	peak
15000.000	27.60	21.16	48.76	74.00	-25.24	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 / 5530MHz**Tested by:** Darry Wu**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7728.000	31.48	9.12	40.60	74.00	-33.40	V	peak
9840.000	31.35	11.52	42.87	74.00	-31.13	V	peak
10512.000	30.90	13.57	44.47	74.00	-29.53	V	peak
11064.000	34.22	15.05	49.27	74.00	-24.73	V	peak
13008.000	29.11	17.97	47.08	74.00	-26.92	V	peak
14124.000	28.28	20.65	48.93	74.00	-25.07	V	peak
7764.000	30.49	9.19	39.68	74.00	-34.32	H	Peak
10512.000	30.31	13.57	43.88	74.00	-30.12	H	Peak
11064.000	30.17	15.05	45.22	74.00	-28.78	H	Peak
12912.000	28.83	17.66	46.49	74.00	-27.51	H	peak
14196.000	27.57	20.69	48.26	74.00	-25.74	H	peak
14544.000	27.77	20.90	48.67	74.00	-25.33	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:** Darry Wu**Ambient temperature:** 24°C    **Relative humidity:** 52% RH    **Date:** December 26, 2016

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
6228.000	36.64	6.45	43.09	74.00	-30.91	V	peak
7752.000	31.30	9.17	40.47	74.00	-33.53	V	peak
10512.000	30.52	13.57	44.09	74.00	-29.91	V	peak
11556.000	31.67	14.84	46.51	74.00	-27.49	V	peak
12936.000	29.53	17.74	47.27	74.00	-26.73	V	peak
14880.000	28.77	21.09	49.86	74.00	-24.14	V	peak
6228.000	36.90	6.45	43.35	74.00	-30.65	H	Peak
8340.000	31.23	9.46	40.69	74.00	-33.31	H	Peak
10512.000	30.45	13.57	44.02	74.00	-29.98	H	Peak
11544.000	31.02	14.84	45.86	74.00	-28.14	H	peak
13776.000	28.35	19.99	48.34	74.00	-25.66	H	peak
14220.000	28.31	20.71	49.02	74.00	-24.98	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

According to 15.407(b) ,

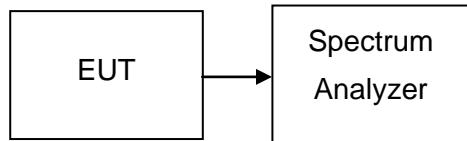
- (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.
- (2) For transmitters operating in the 5.725–5.850 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of –17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of –27 dBm/MHz.
- (3) The provisions of §15.205 apply to intentional radiators operating under this section.

### 6.8.2 MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2016	02/20/2017

*Remark:* Each piece of equipment is scheduled for calibration once a year.

### 6.8.3 TEST CONFIGURATION



### 6.8.4 TEST 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 1 MHz. The video bandwidth is set to 1 MHz. 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

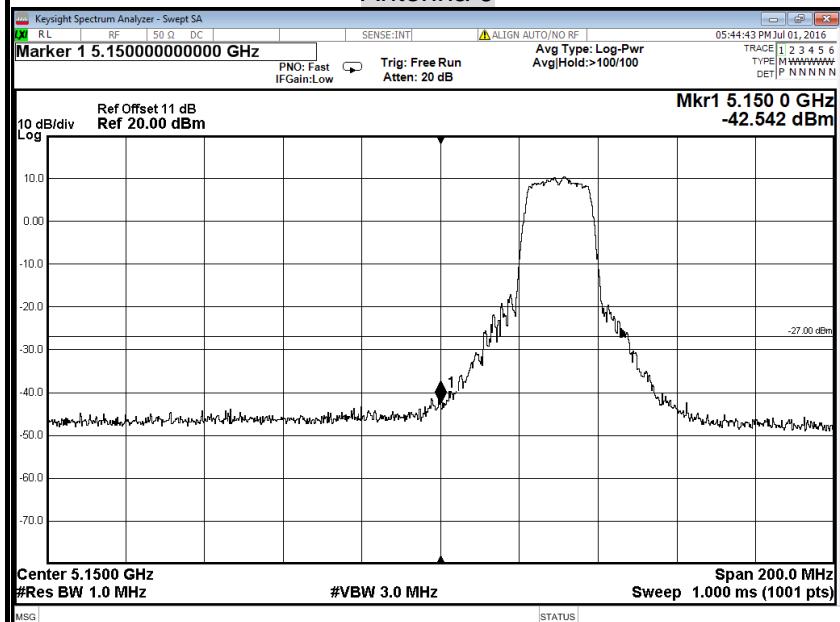
No non-compliance noted

### Test Plot

#### IEEE 802.11a mode / 5180 ~ 5240MHz

##### CH Low

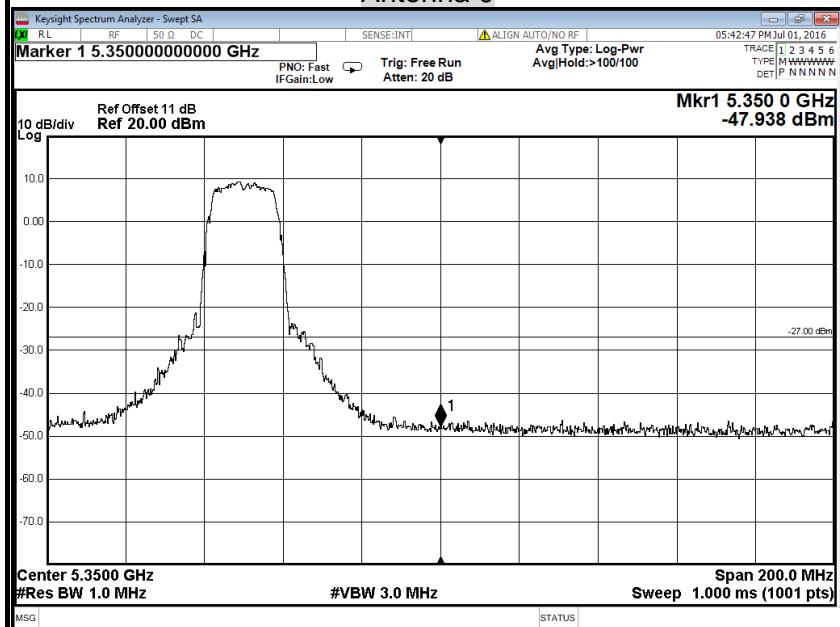
###### Antenna 0

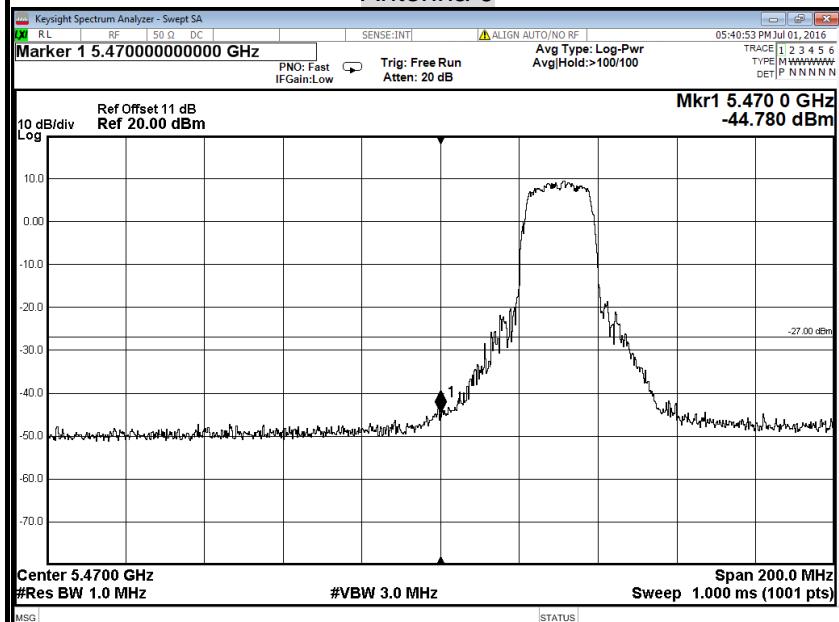
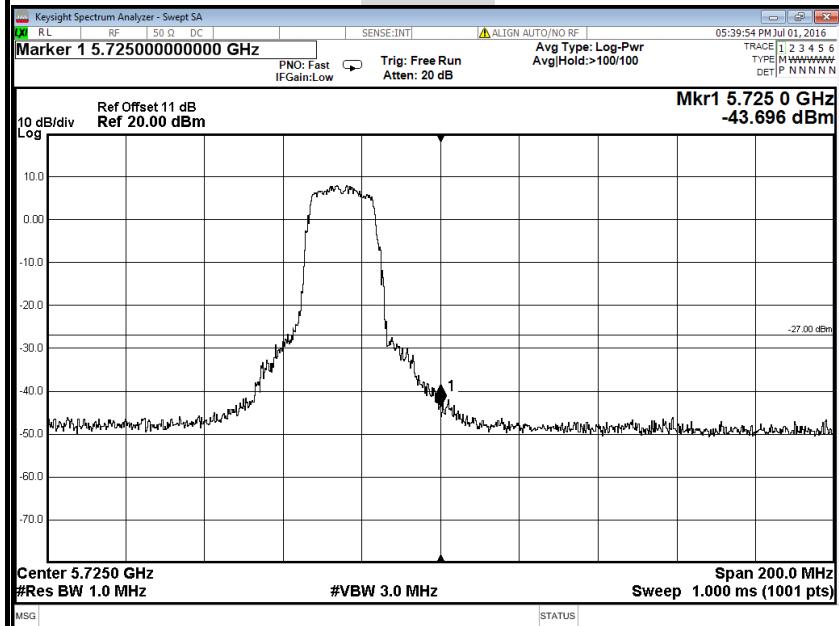


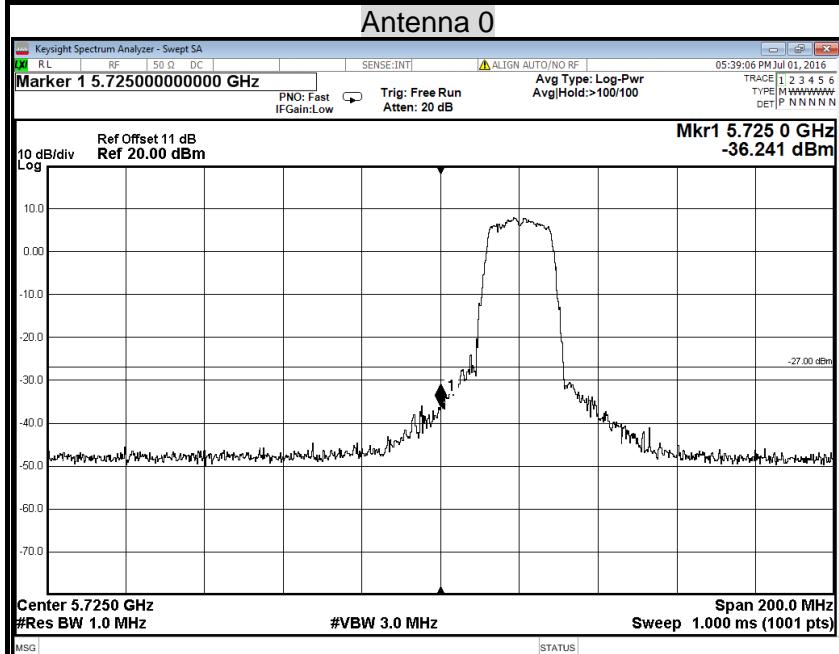
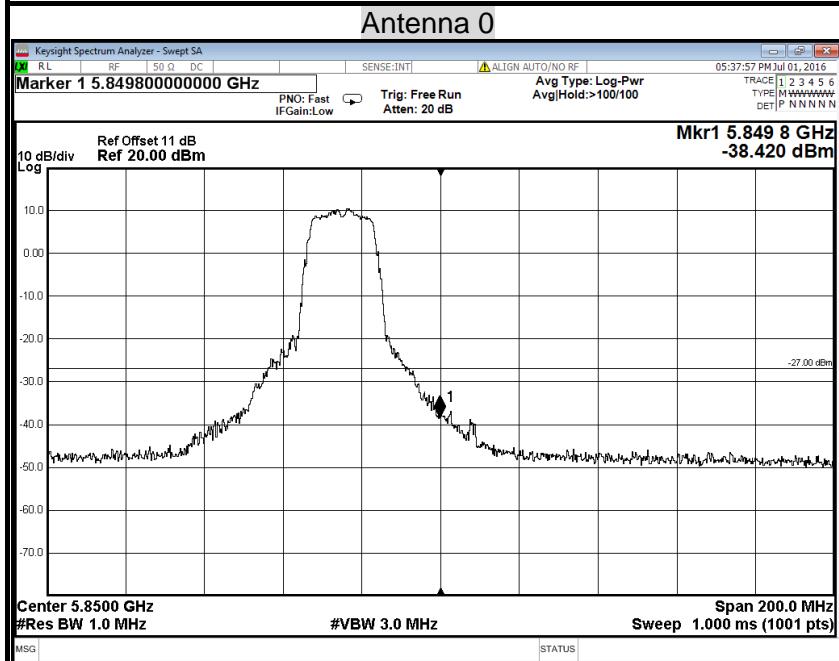
#### IEEE 802.11a mode / 5260~ 5320MHz

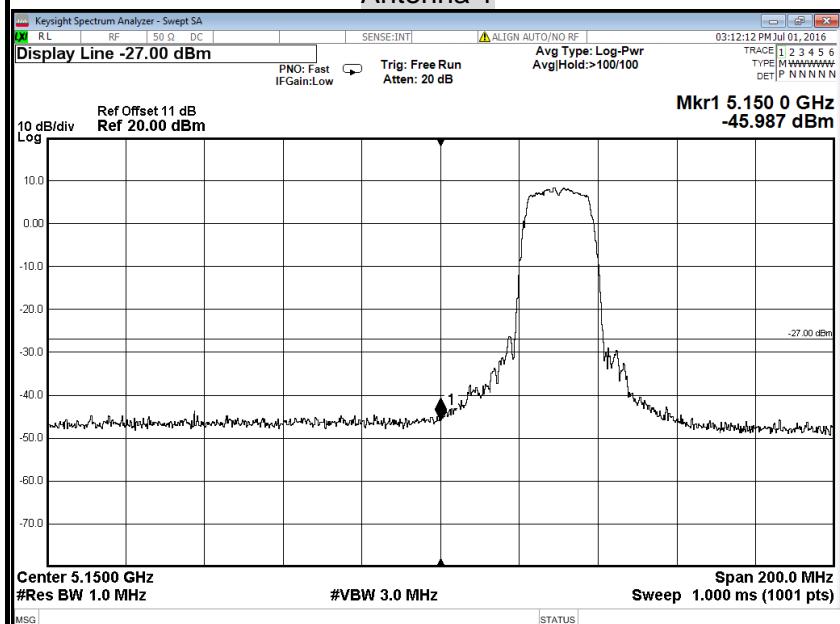
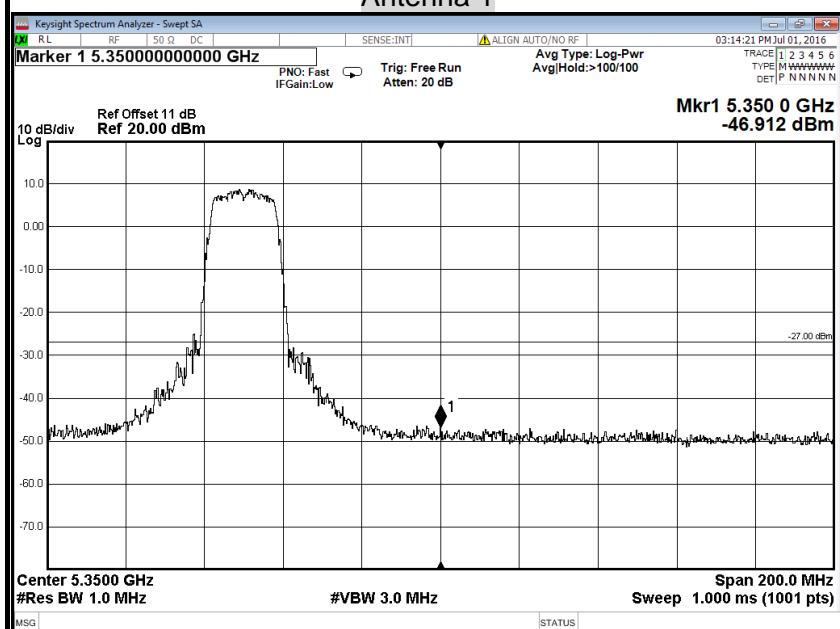
##### CH High

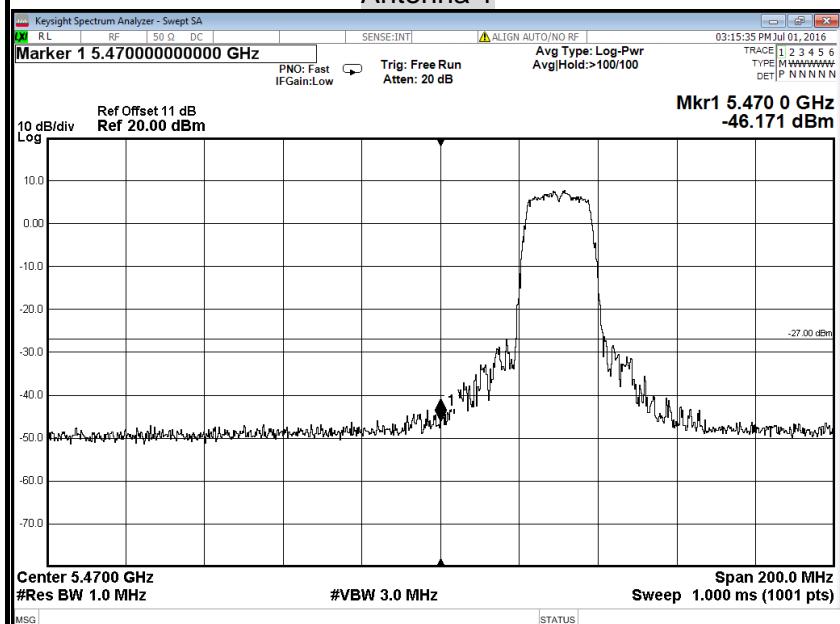
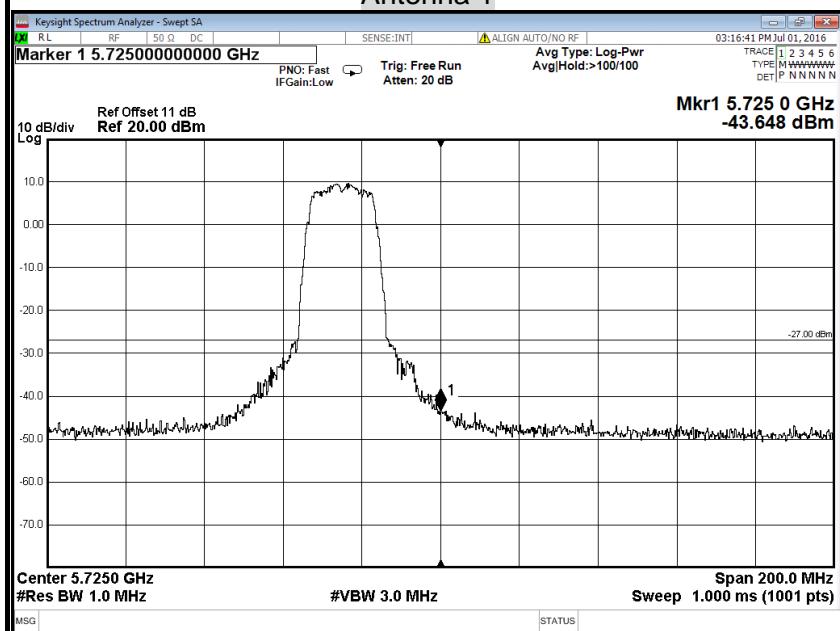
###### Antenna 0

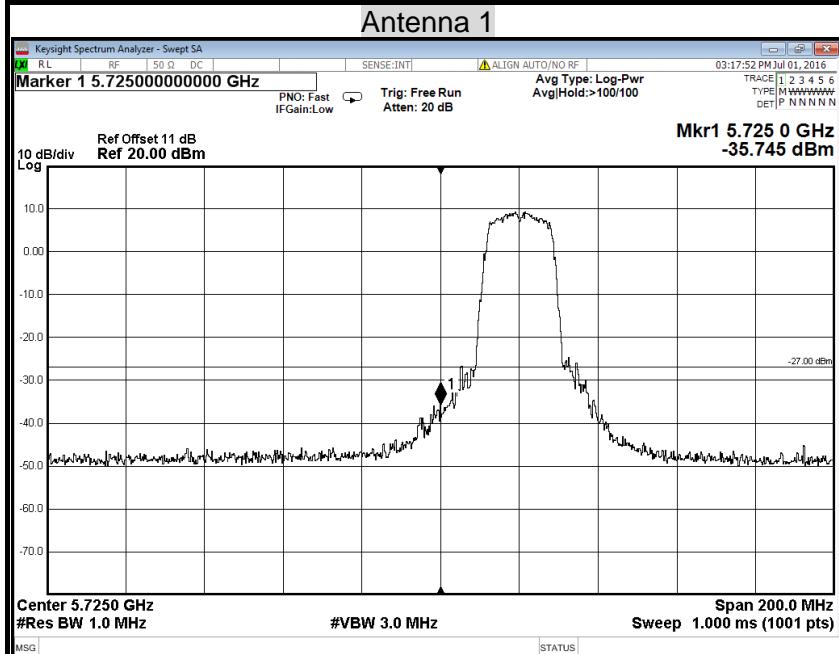
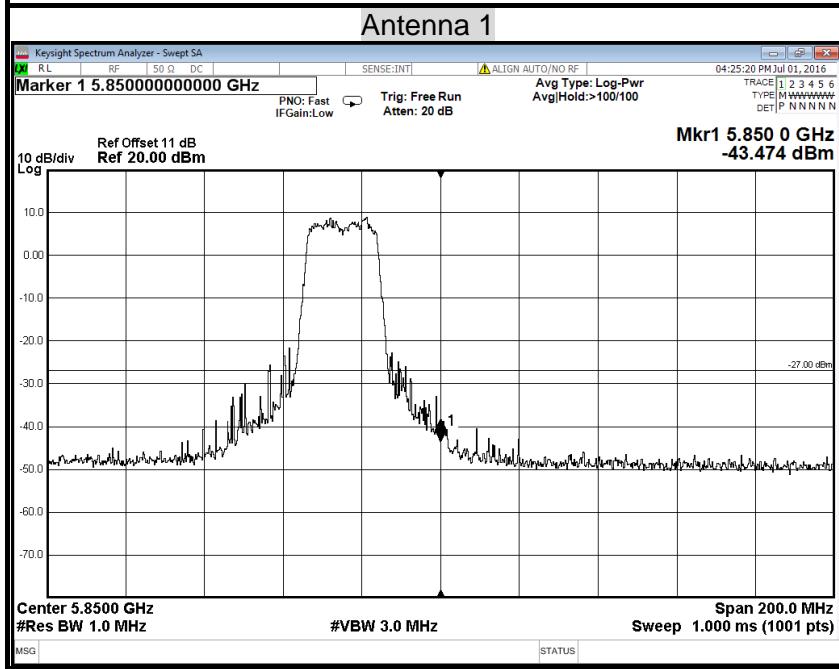


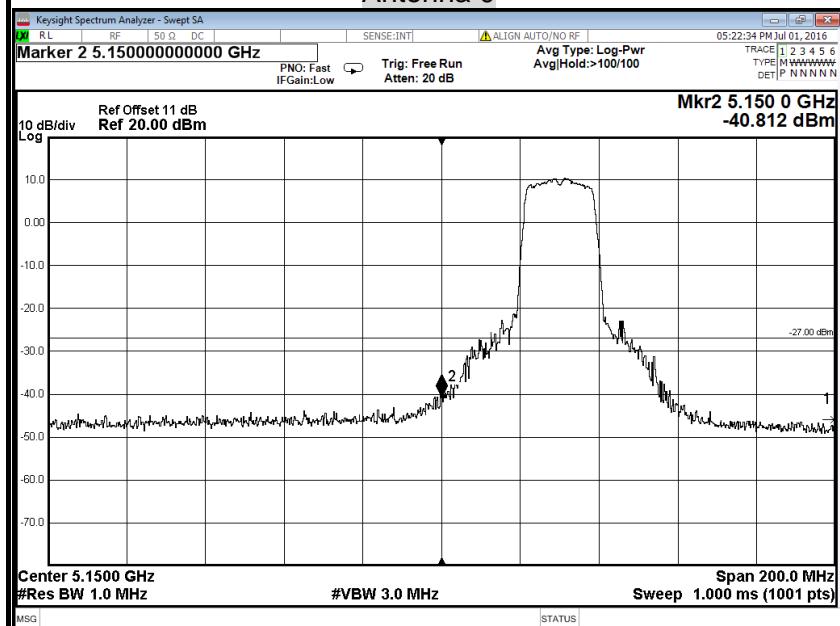
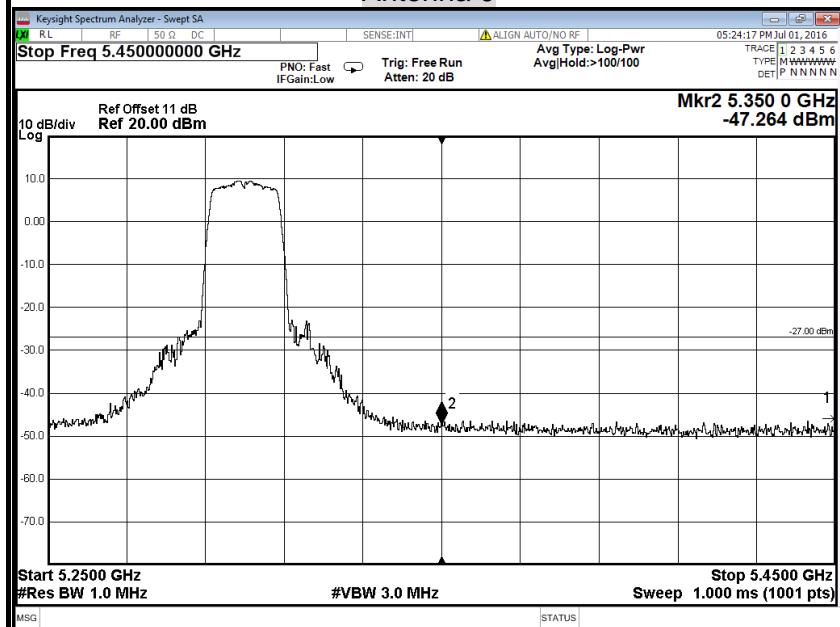
**IEEE 802.11a mode / 5500 ~ 5700MHz****CH Low****Antenna 0****CH High****Antenna 0**

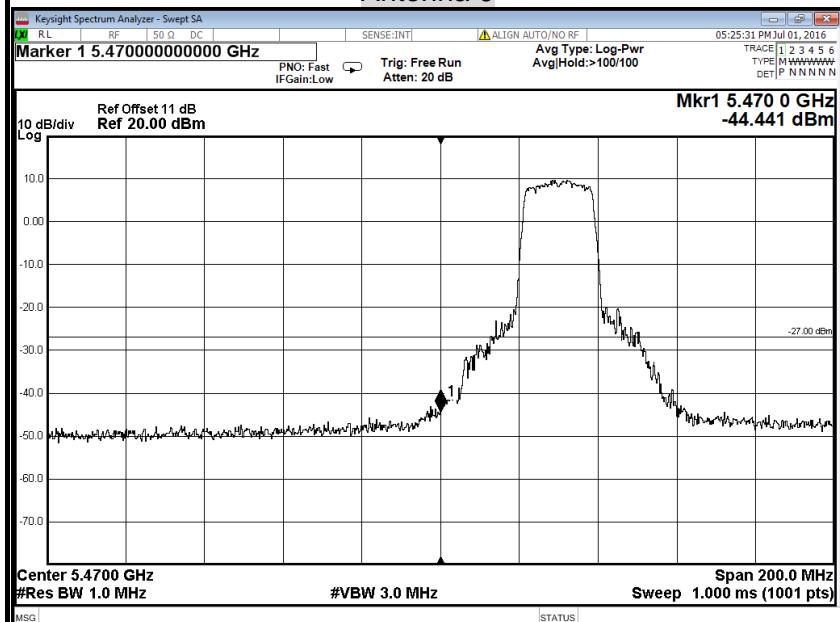
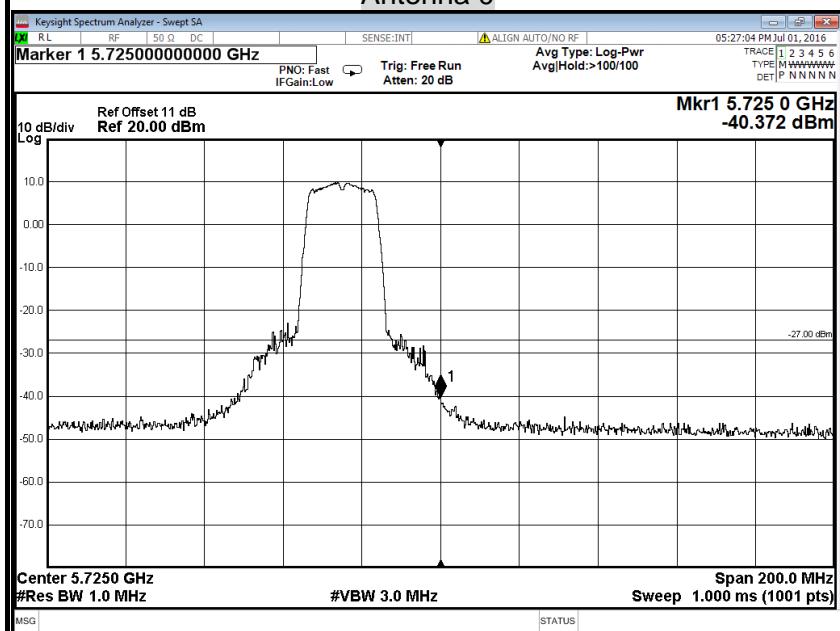
**IEEE 802.11a mode / 5745 ~ 5825MHz****CH Low****CH High**

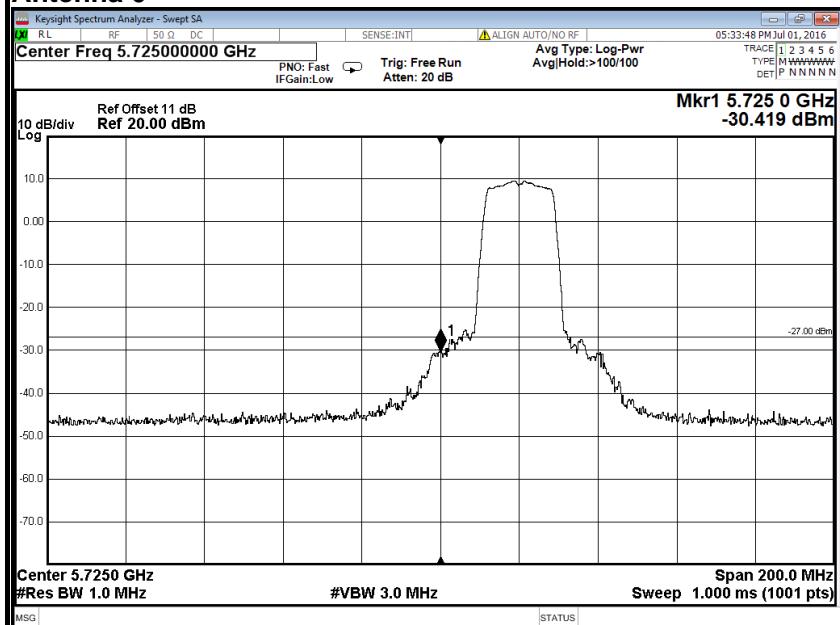
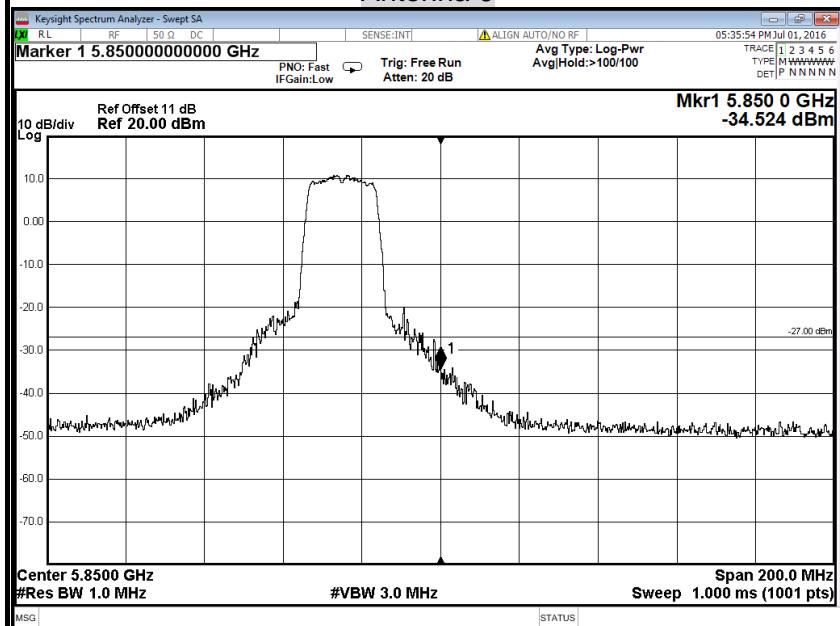
**IEEE 802.11a mode / 5180 ~ 5240MHz****CH Low****Antenna 1****IEEE 802.11a mode / 5260~ 5320MHz****CH High****Antenna 1**

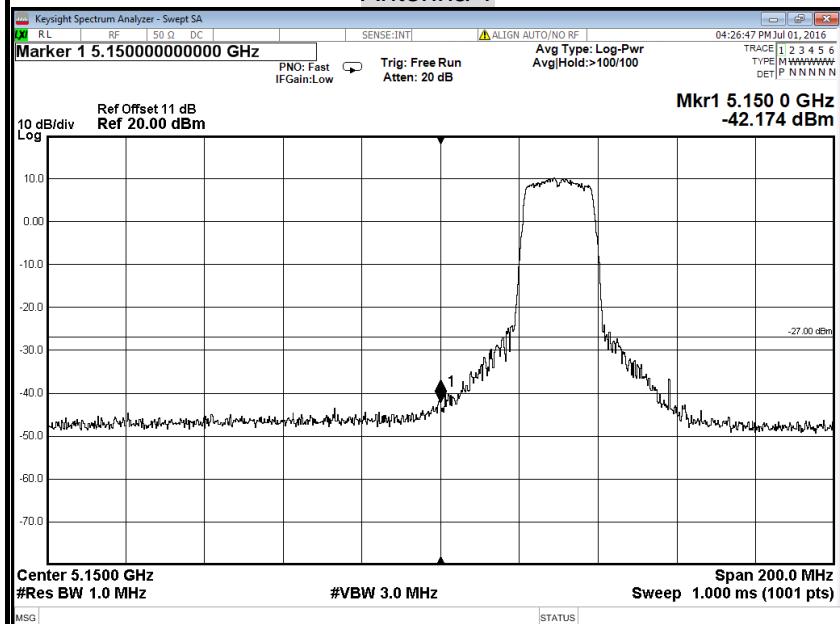
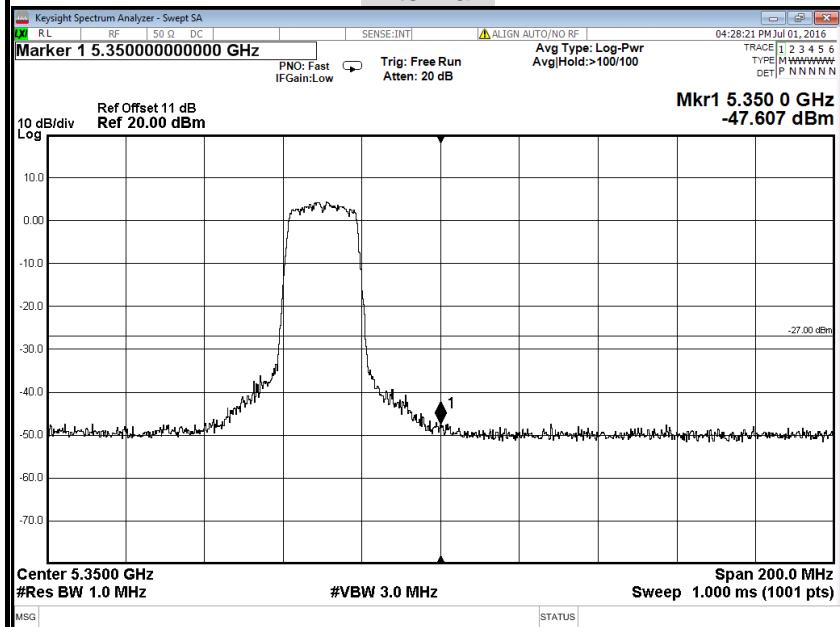
**IEEE 802.11a mode / 5500 ~ 5700MHz****CH Low****Antenna 1****CH High****Antenna 1**

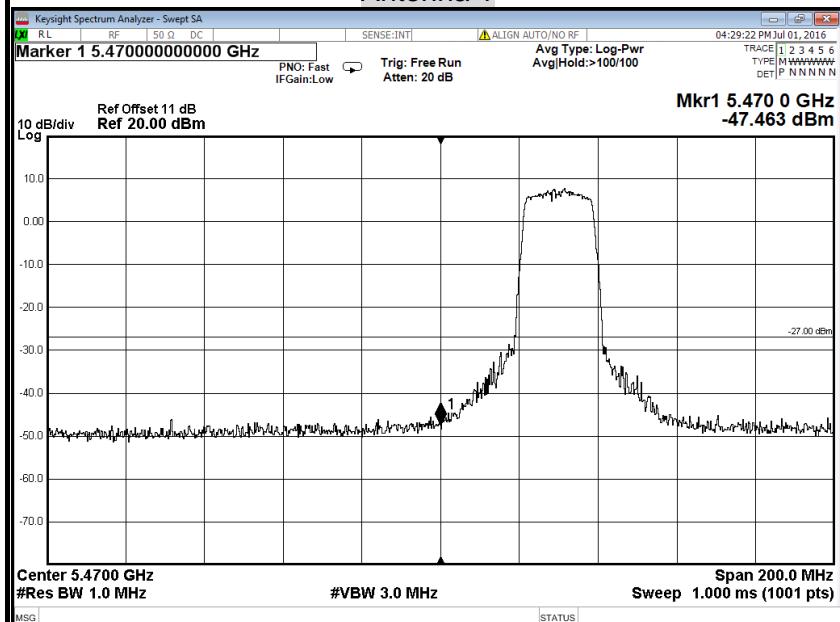
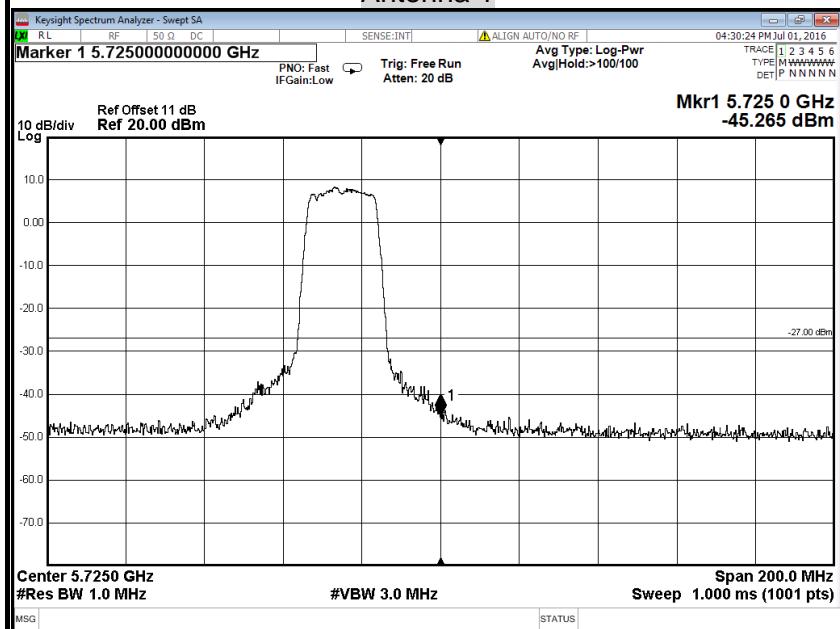
**IEEE 802.11a mode / 5745 ~ 5825MHz****CH Low****CH High**

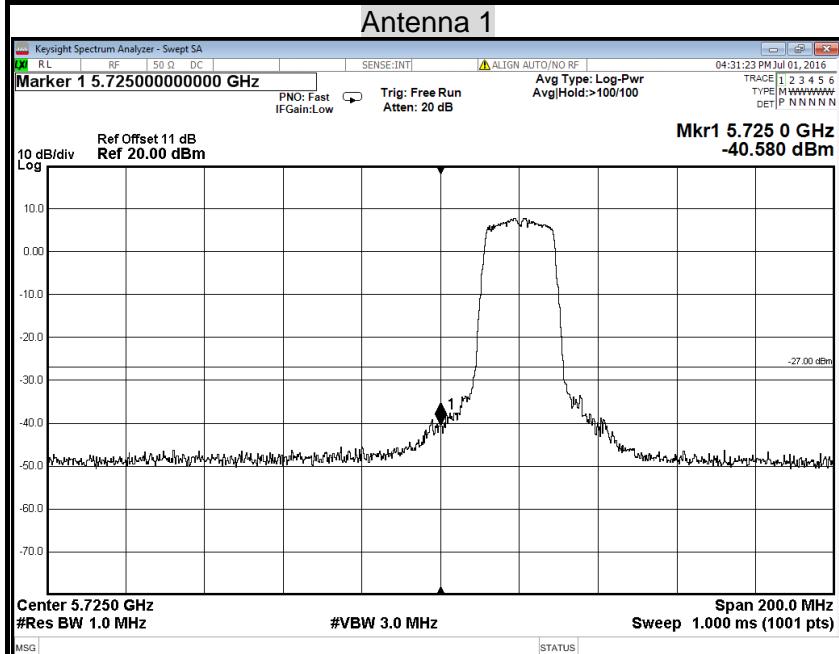
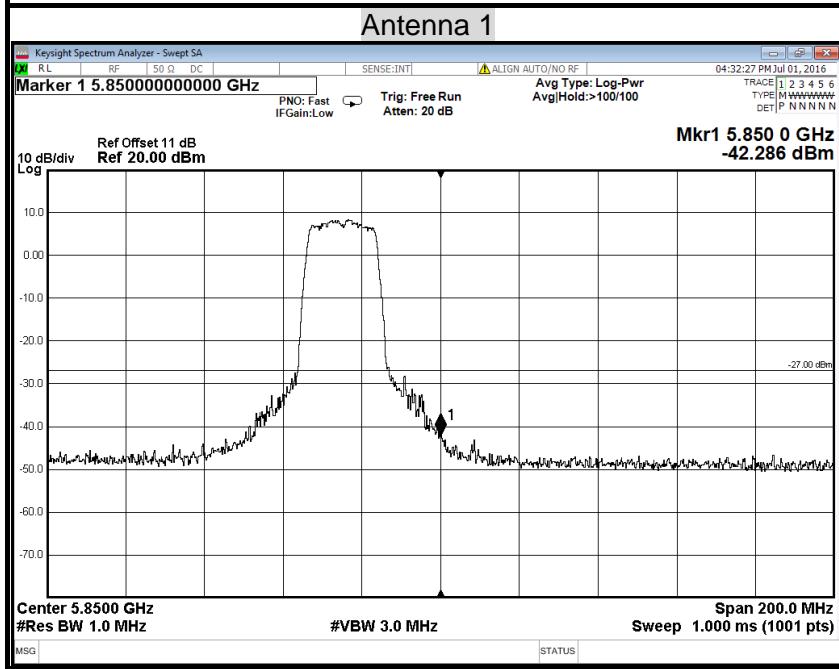
**IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz****CH Low****Antenna 0****IEEE 802.11n HT 20 MHz mode / 5260~ 5320MHz****CH High****Antenna 0**

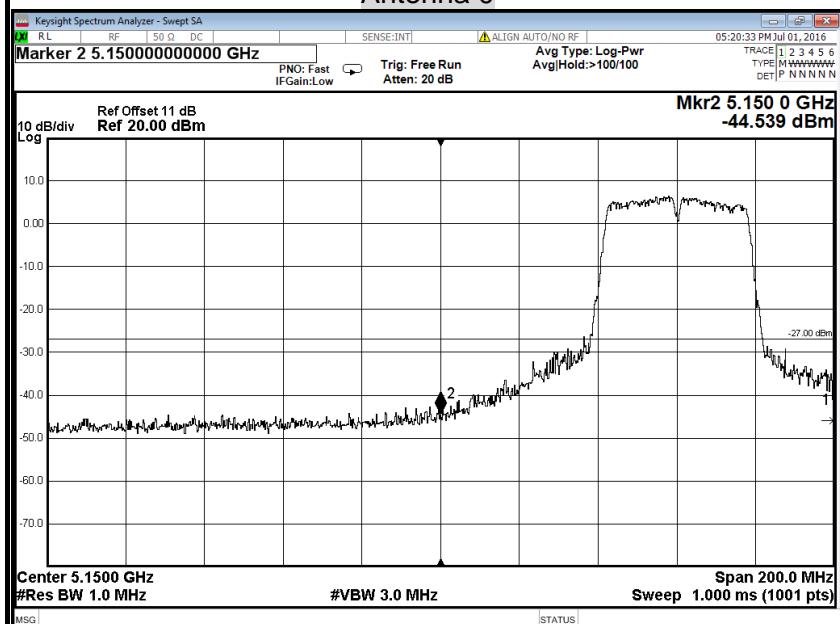
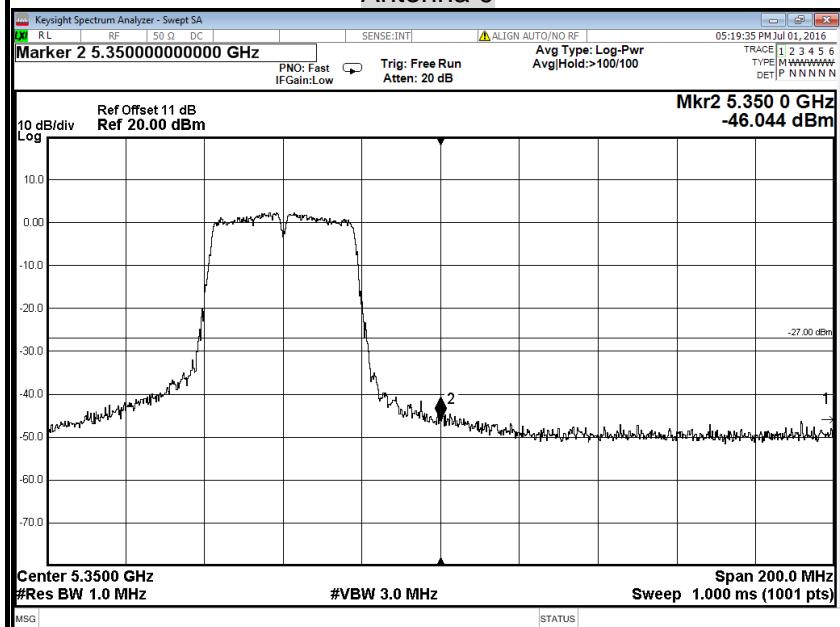
**IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz****CH Low****Antenna 0****CH High****Antenna 0**

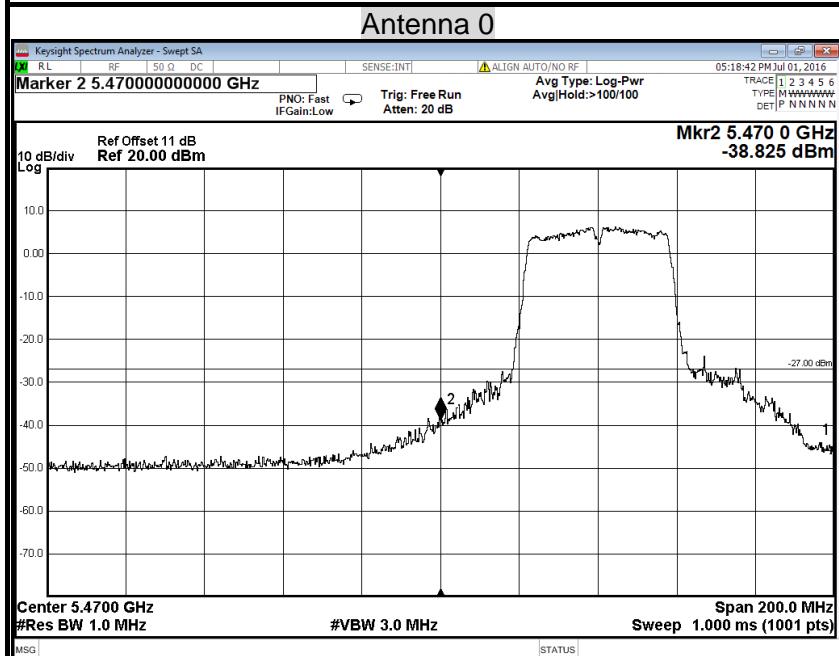
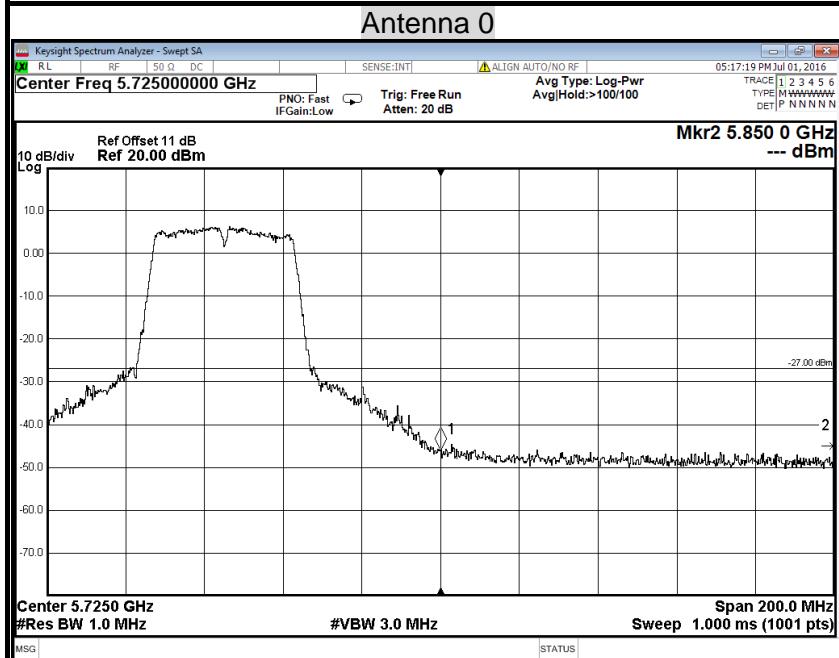
**IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz****CH Low****Antenna 0****CH High****Antenna 0**

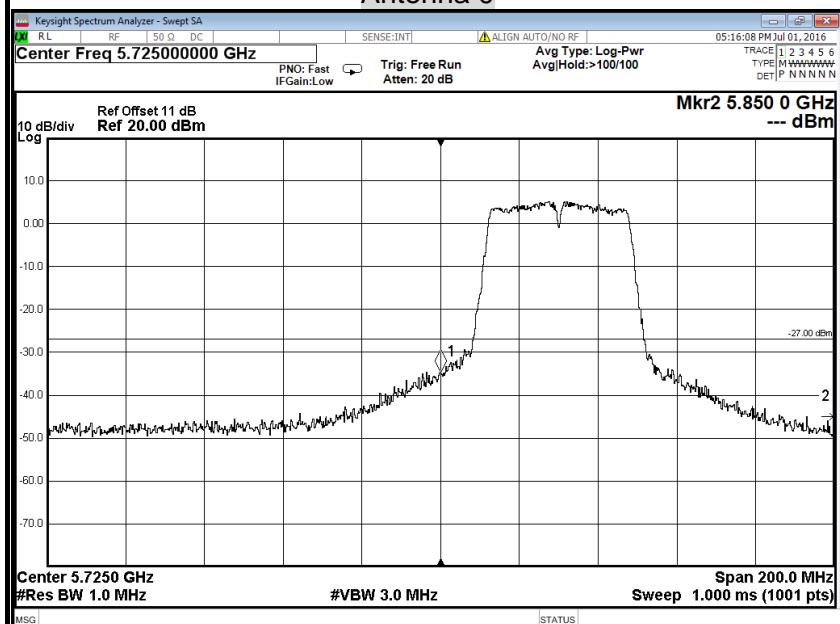
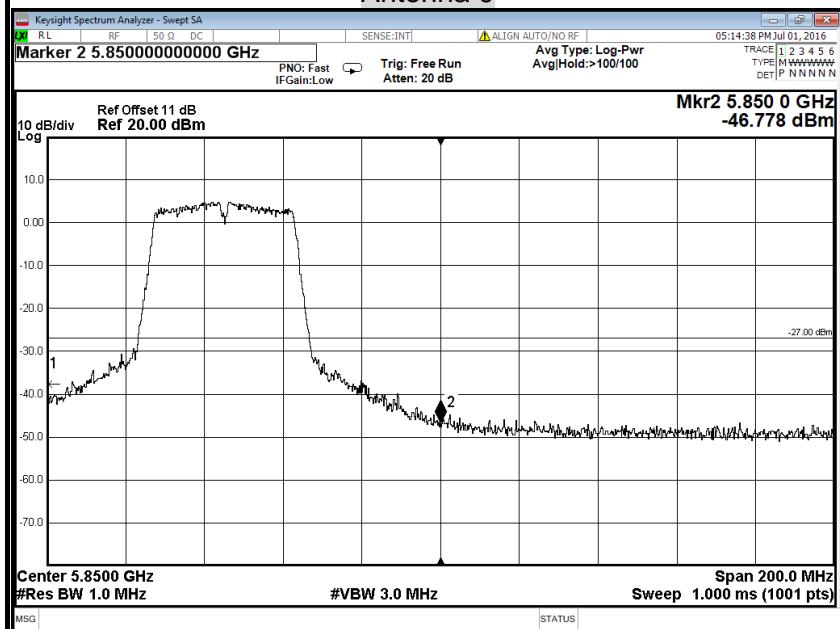
**IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz****CH Low****Antenna 1****IEEE 802.11n HT 20 MHz mode / 5260~ 5320MHz****CH High****Antenna 1**

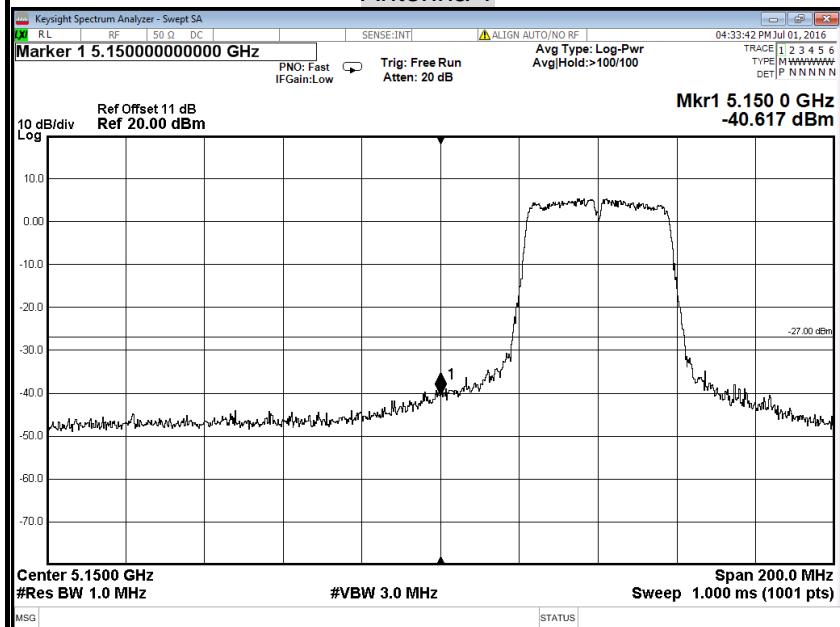
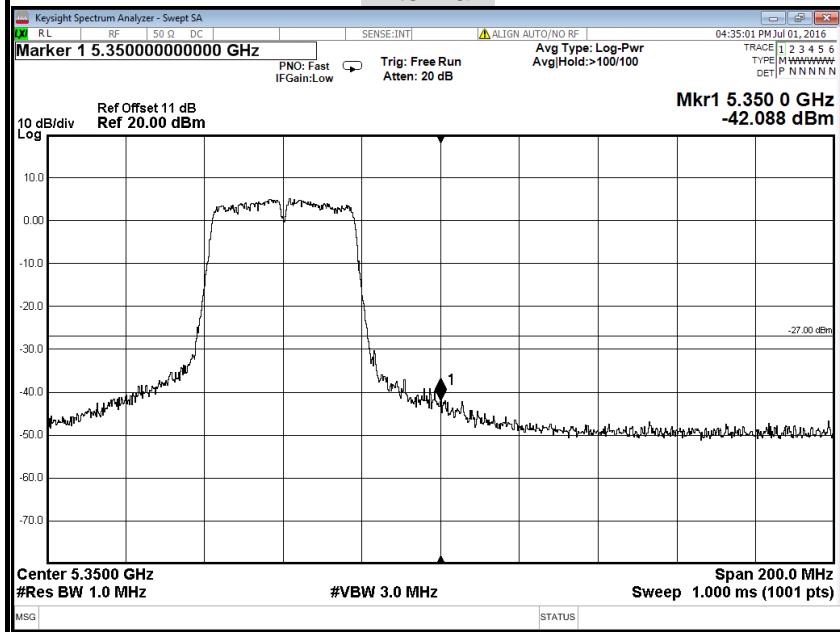
**IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz****CH Low****Antenna 1****CH High****Antenna 1**

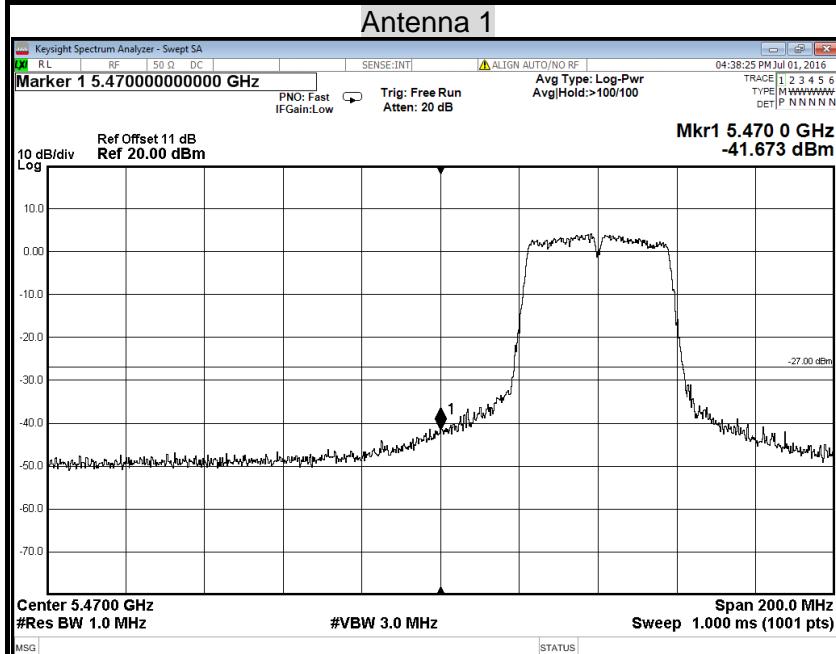
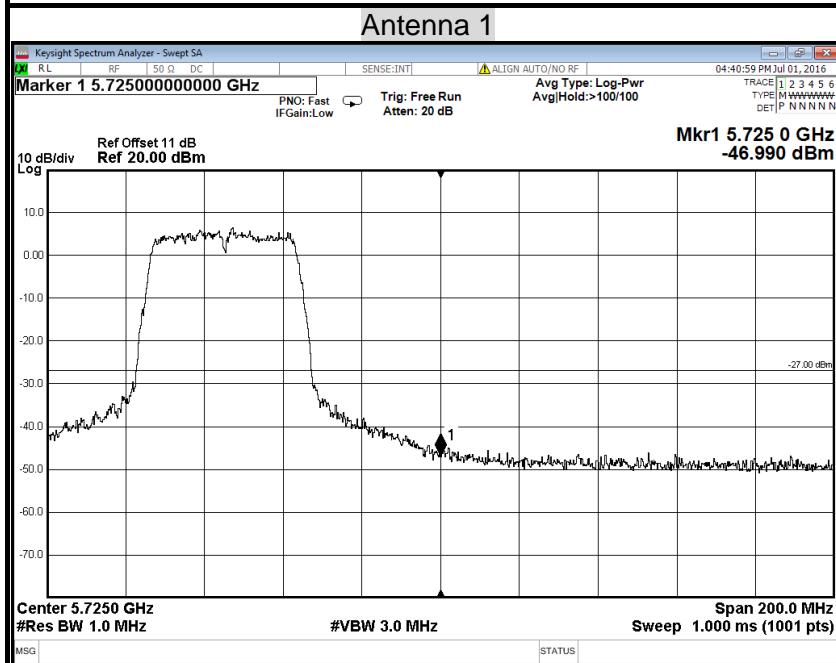
**IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz****CH Low****CH High**

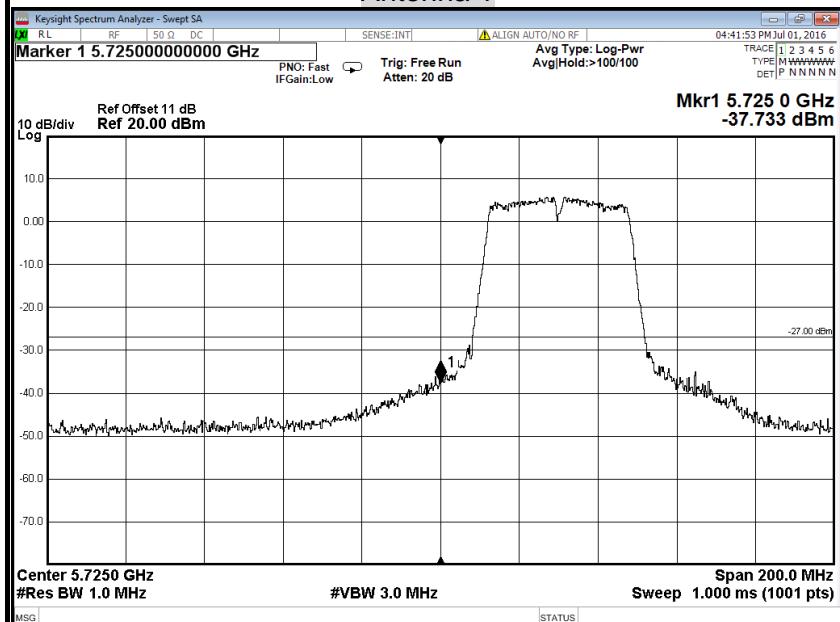
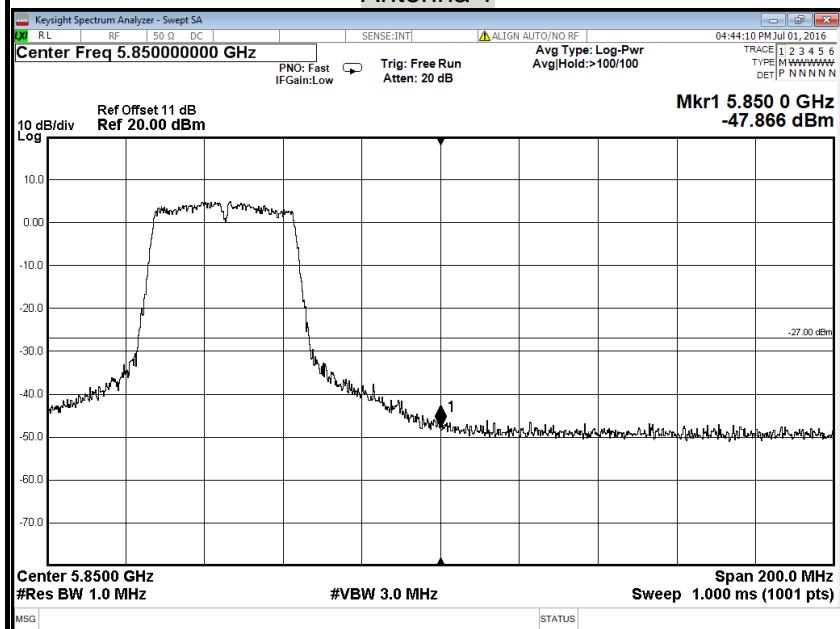
**IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz****CH Low****Antenna 0****IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz****CH High****Antenna 0**

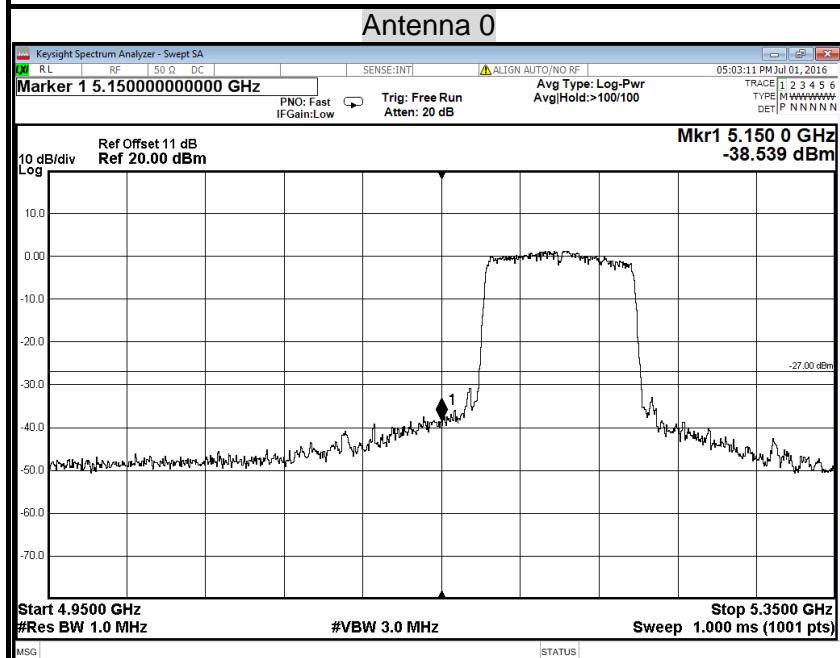
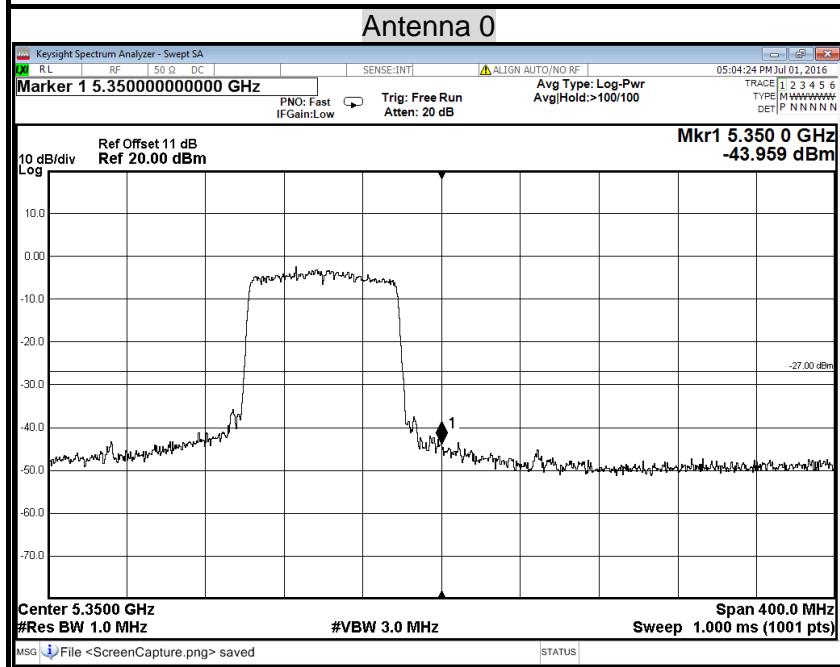
**IEEE 802.11n HT 40 MHz mode / 5510~5670MHz****CH Low****CH High**

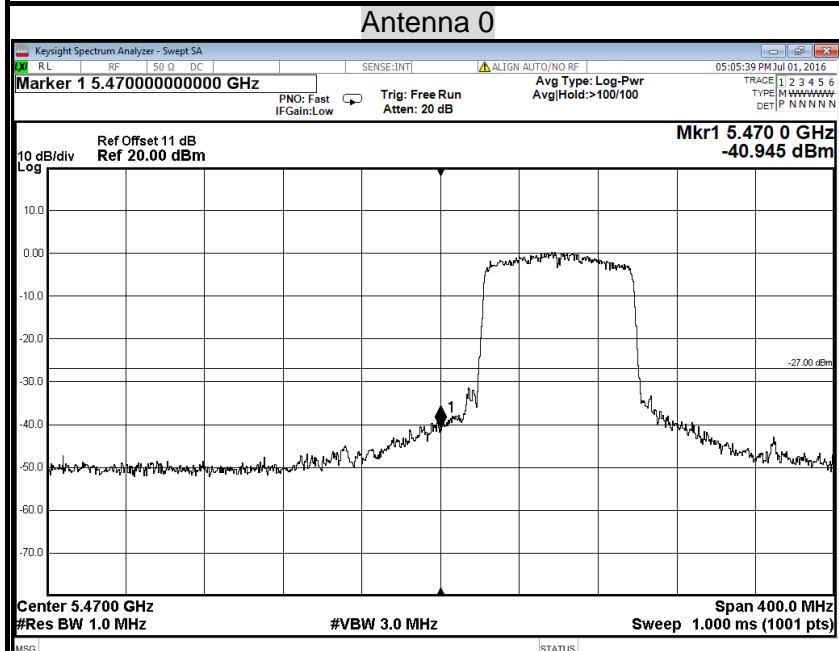
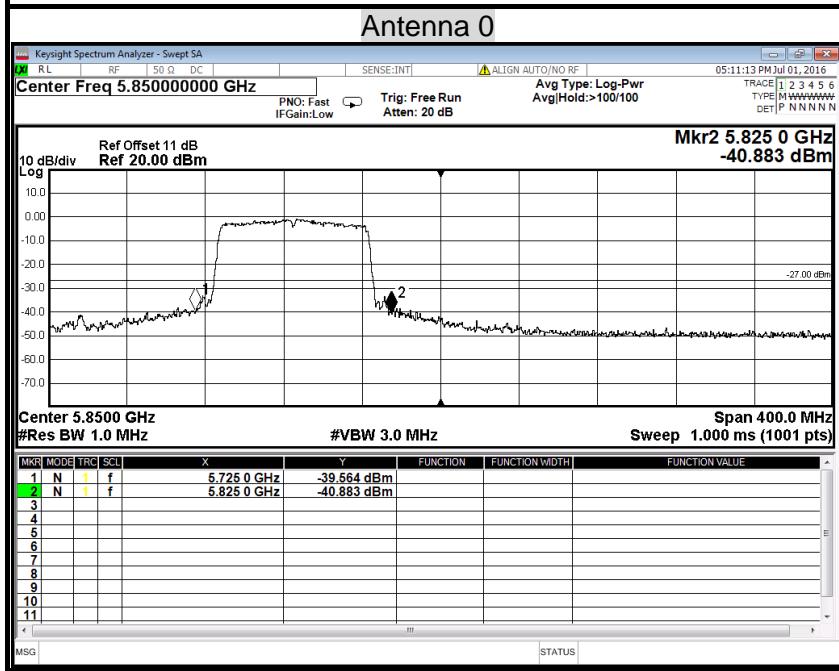
**IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz****CH Low****Antenna 0****CH High****Antenna 0**

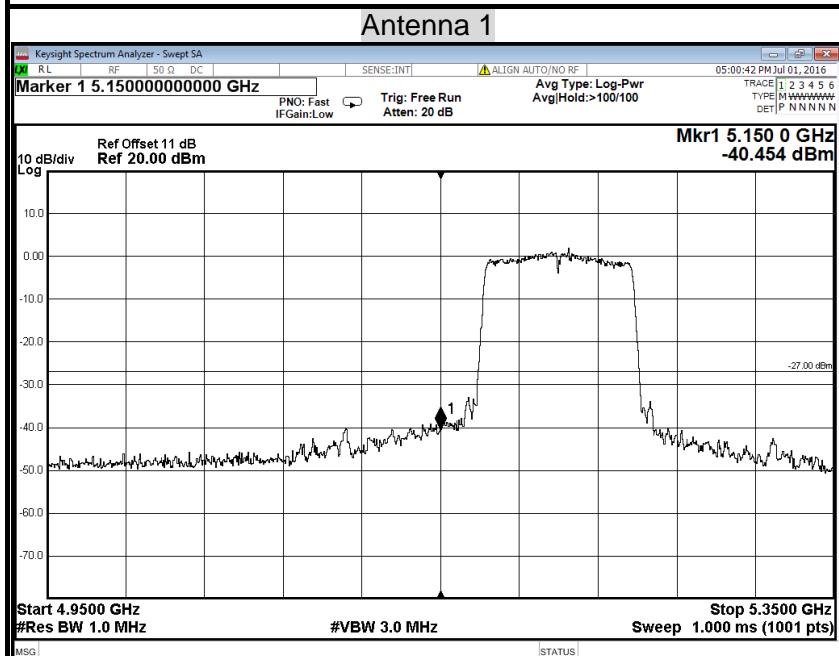
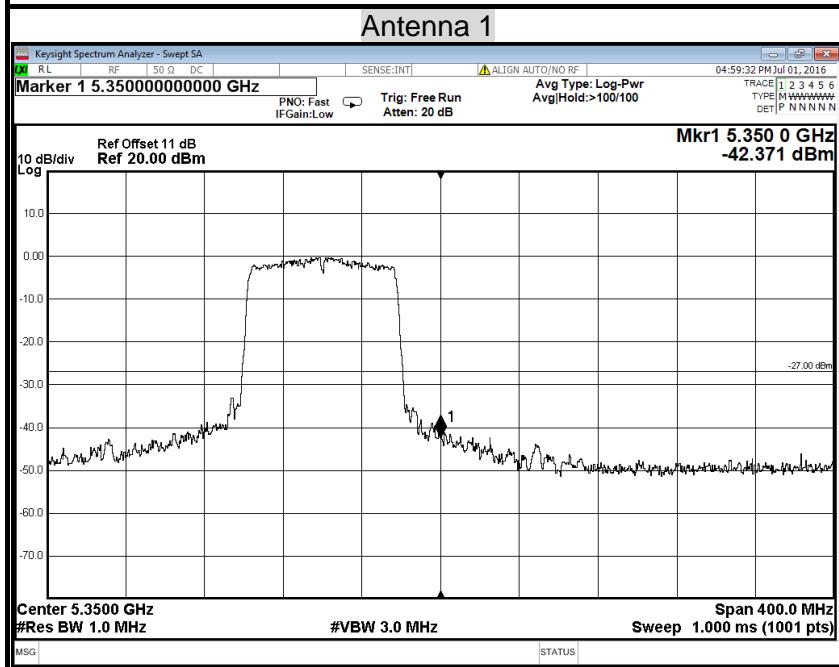
**IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz****CH Low****Antenna 1****IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz****CH High****Antenna 1**

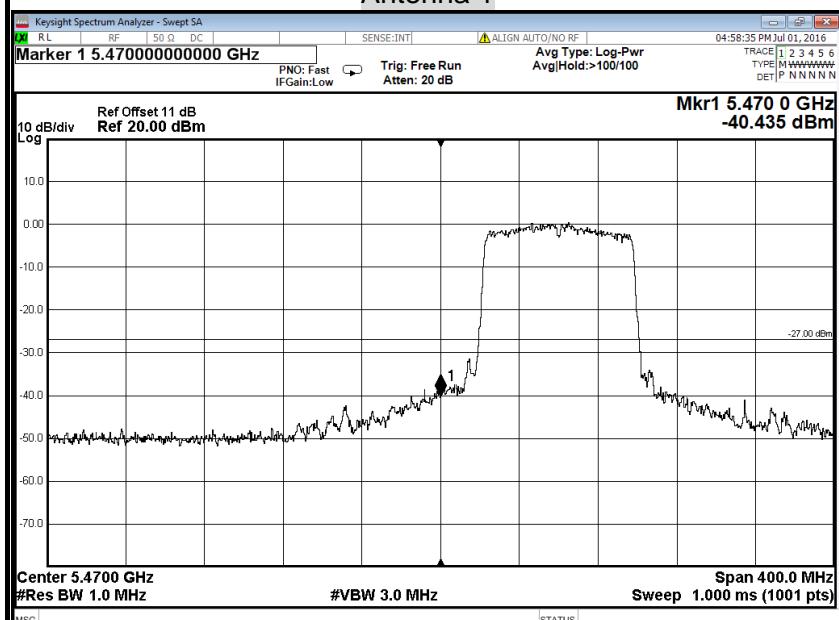
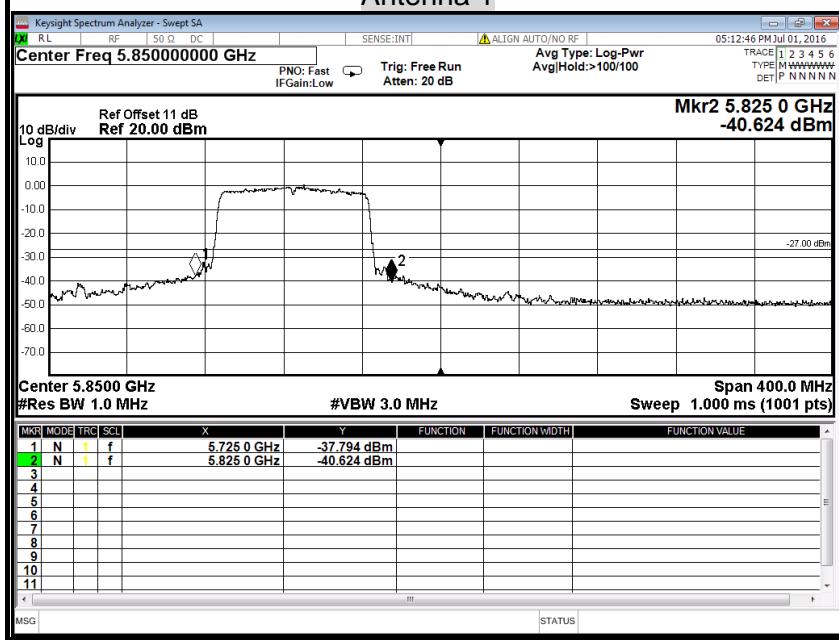
**IEEE 802.11n HT 40 MHz mode / 5510~5670MHz****CH Low****CH High**

**IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz****CH Low****Antenna 1****CH High****Antenna 1**

**IEEE 802.11ac 80 mode / 5210MHz****IEEE 802.11ac 80 mode / 5290MHz**

**IEEE 802.11ac 80 mode / 5530MHz****IEEE 802.11ac 80 mode / 5775MHz**

**IEEE 802.11ac 80 mode / 5210MHz****IEEE 802.11ac 80 mode / 5290MHz**

**IEEE 802.11ac 80 mode / 5530MHz****Antenna 1****IEEE 802.11ac 80 mode / 5775MHz****Antenna 1**



## 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  $\mu$ H/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 (dB $\mu$ V)	
	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.

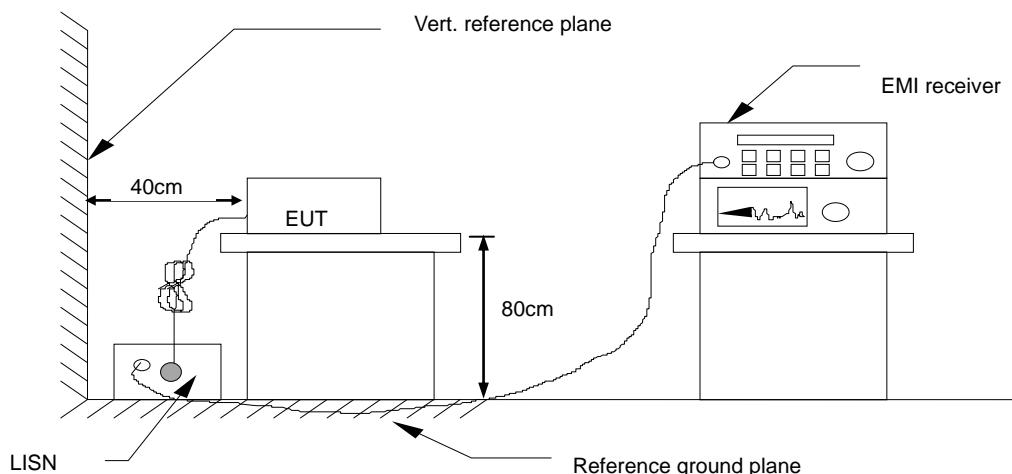
### 6.9.2 TEST INSTRUMENTS

Conducted Emission Test Site					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/21/2016	02/20/2017
LISN(EUT)	ROHDE&SCHWARZ	ENV216	101543-WX	02/21/2016	02/20/2017
LISN	EMCO	3825/2	8901-1459	02/21/2016	02/20/2017
Temp. / Humidity Meter	VICTOR	HTC-1	N/A	02/21/2016	02/20/2017
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

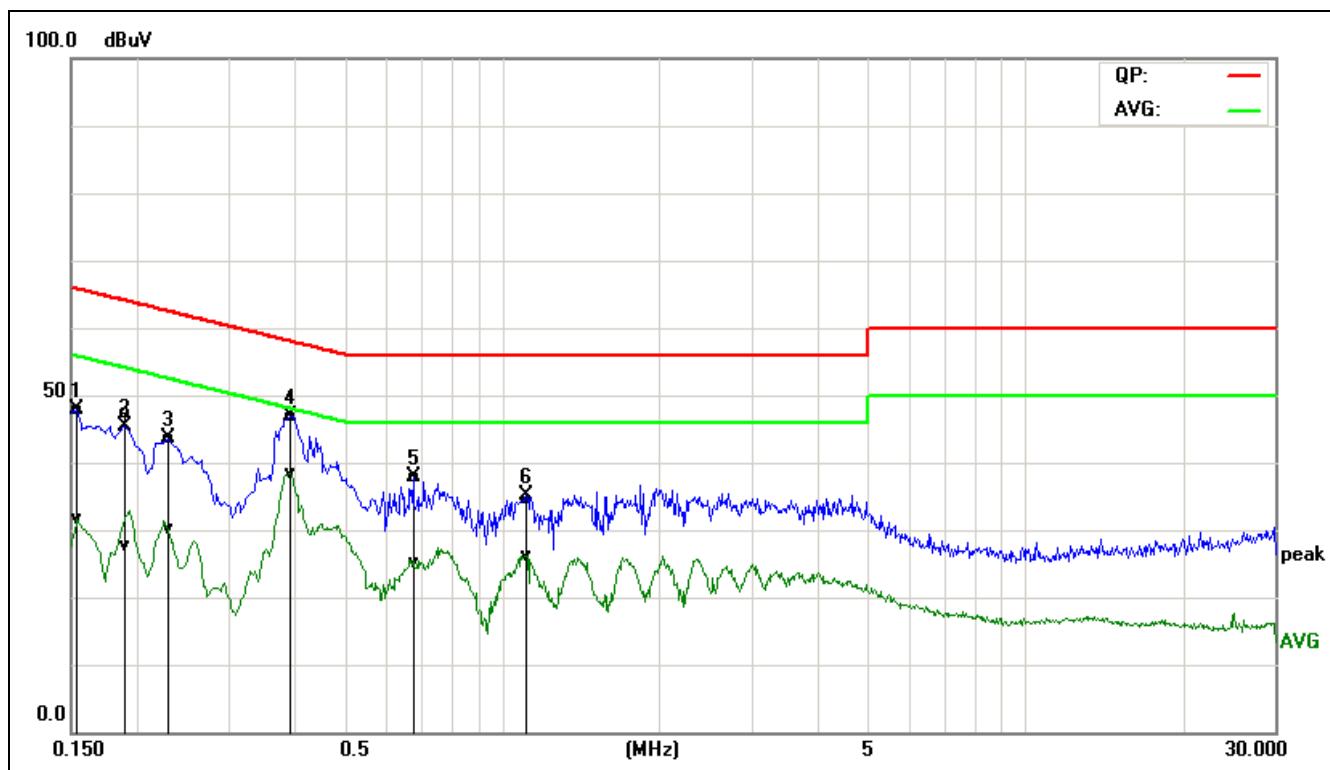
Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark
X.XXXX	32.69	25.65	11.52	44.21	37.17	65.78	55.79	-21.57	-18.62	Pass

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.	MX1200	RBW,VBW	9 kHz
Environmental Conditions	22°C, 45% RH	Test Mode	Mode 1
Tested by	Darry Wu	Line	L1
Test Date	June 23, 2016		

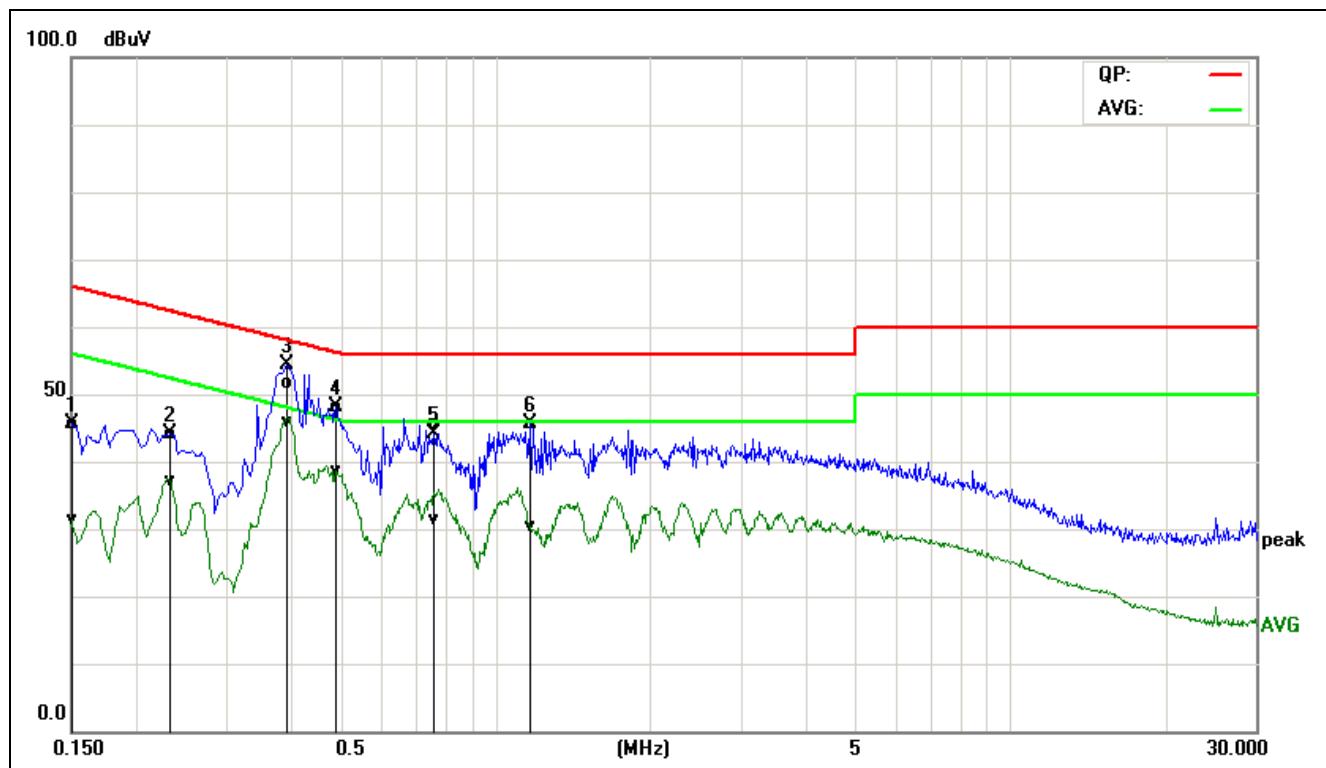


Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)	Line (L1/L2)
0.1539	38.32	21.94	9.59	47.91	31.53	65.78	55.79	-17.87	-24.26	Pass	L1
0.1904	37.81	17.98	9.67	47.48	27.65	64.01	54.02	-16.53	-26.37	Pass	L1
0.2300	33.82	20.40	9.69	43.51	30.09	62.45	52.45	-18.94	-22.36	Pass	L1
0.3940	37.15	28.74	9.68	46.83	38.42	57.98	47.98	-11.15	-9.56	Pass	L1
0.6780	28.15	15.47	9.78	37.93	25.25	56.00	46.00	-18.07	-20.75	Pass	L1
1.1100	24.96	16.54	9.71	34.67	26.25	56.00	46.00	-21.33	-19.75	Pass	L1

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



Model No.	MX1200	RBW,VBW	9 kHz
Environmental Conditions	22°C, 45% RH	Test Mode	Mode 1
Tested by	Darry Wu	Line	L2
Test Date	June 23, 2016		



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)	Line (L1/L2)
0.1500	35.73	21.55	9.78	45.51	31.33	65.99	56.00	-20.48	-24.67	Pass	L2
0.2340	34.24	27.25	9.78	44.02	37.03	62.30	52.31	-18.28	-15.28	Pass	L2
0.3902	41.90	36.11	9.72	51.62	45.83	58.06	48.06	-6.44	-2.23	Pass	L2
0.4900	38.50	28.98	9.68	48.18	38.66	56.17	46.17	-7.99	-7.51	Pass	L2
0.7620	35.80	21.62	9.71	45.51	31.33	56.00	46.00	-10.49	-14.67	Pass	L2
1.1660	35.72	20.60	9.79	45.51	30.39	56.00	46.00	-10.49	-15.61	Pass	L2

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



## 6.10 FREQUENCY STABILITY

### 6.10.1 LIMIT

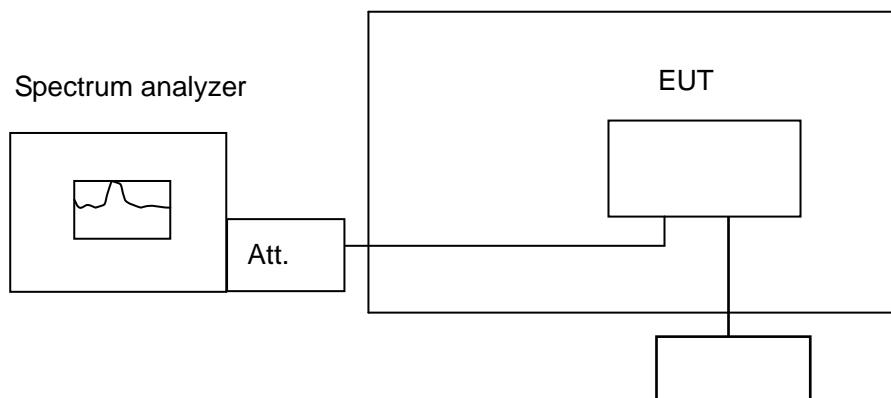
According to §15.407(g), manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the operational description.

### 6.10.2 TEST INSTRUMENTS

Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2016	02/20/2017
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	02/21/2016	02/20/2017
Power Sensor	Anritsu	MA2411B	1126150	02/21/2016	02/20/2017
Temperature Chamber	TERCHY	MHG-800N	E21104	11/18/2015	11/17/2016
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/21/2016	02/20/2017

### 6.10.3 TEST CONFIGURATION

Temperature Chamber



**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°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°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)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.965826	5150-5250	PASS
40	120	5179.955608	5150-5250	PASS
30	120	5179.950657	5150-5250	PASS
20	120	5179.996300	5150-5250	PASS
10	120	5179.972114	5150-5250	PASS
0	120	5179.995574	5150-5250	PASS
-10	120	5179.967652	5150-5250	PASS
-20	120	5179.998247	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.962180	5150-5250	PASS
	120	5179.996300	5150-5250	PASS
	132	5179.981615	5150-5250	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.958872	5150-5250	PASS
40	120	5239.985886	5150-5250	PASS
30	120	5239.954575	5150-5250	PASS
20	120	5240.035000	5150-5250	PASS
10	120	5239.971878	5150-5250	PASS
0	120	5239.952544	5150-5250	PASS
-10	120	5239.959285	5150-5250	PASS
-20	120	5239.981572	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.966130	5150-5250	PASS
	120	5240.035000	5150-5250	PASS
	132	5239.971157	5150-5250	PASS



## IEEE 802.11a mode / 5260 ~ 5320MHz

(Low)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5259.988554	5250-5350	PASS
40	120	5259.997078	5250-5350	PASS
30	120	5259.960652	5250-5350	PASS
20	120	5260.018000	5250-5350	PASS
10	120	5259.998877	5250-5350	PASS
0	120	5259.956090	5250-5350	PASS
-10	120	5259.949522	5250-5350	PASS
-20	120	5259.974859	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5259.982451	5250-5350	PASS
	120	5260.018000	5250-5350	PASS
	132	5259.975319	5250-5350	PASS

## IEEE 802.11a mode / 5260 ~ 5320MHz

(High)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5319.979754	5250-5350	PASS
40	120	5319.991062	5250-5350	PASS
30	120	5319.984947	5250-5350	PASS
20	120	5320.005000	5250-5350	PASS
10	120	5319.970721	5250-5350	PASS
0	120	5319.970342	5250-5350	PASS
-10	120	5319.963452	5250-5350	PASS
-20	120	5319.965795	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5319.972174	5250-5350	PASS
	120	5320.005000	5250-5350	PASS
	132	5319.982792	5250-5350	PASS



## IEEE 802.11a mode / 5500 ~ 5700MHz

(Low)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5499.986110	5475-5725	PASS
40	120	5499.981804	5475-5725	PASS
30	120	5499.959477	5475-5725	PASS
20	120	5500.033000	5475-5725	PASS
10	120	5499.950167	5475-5725	PASS
0	120	5499.958228	5475-5725	PASS
-10	120	5499.991123	5475-5725	PASS
-20	120	5499.971408	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5499.987074	5475-5725	PASS
	120	5500.033000	5475-5725	PASS
	132	5499.990355	5475-5725	PASS

## IEEE 802.11a mode / 5500 ~ 5700MHz

(High)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5699.976396	5475-5725	PASS
40	120	5699.964168	5475-5725	PASS
30	120	5699.953906	5475-5725	PASS
20	120	5699.997200	5475-5725	PASS
10	120	5699.956637	5475-5725	PASS
0	120	5699.956789	5475-5725	PASS
-10	120	5699.949682	5475-5725	PASS
-20	120	5699.972163	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5699.998796	5475-5725	PASS
	120	5699.997200	5475-5725	PASS
	132	5699.953030	5475-5725	PASS



## IEEE 802.11a mode / 5745 ~ 5825MHz

(Low)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.958754	5725-5850	PASS
40	120	5744.998993	5725-5850	PASS
30	120	5744.949441	5725-5850	PASS
20	120	5744.998281	5725-5850	PASS
10	120	5744.983033	5725-5850	PASS
0	120	5744.984692	5725-5850	PASS
-10	120	5744.973267	5725-5850	PASS
-20	120	5744.999296	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.965296	5725-5850	PASS
	120	5744.998281	5725-5850	PASS
	132	5744.962922	5725-5850	PASS

## IEEE 802.11a mode / 5745 ~ 5825MHz

(High)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.949165	5725-5850	PASS
40	120	5824.951793	5725-5850	PASS
30	120	5824.979630	5725-5850	PASS
20	120	5824.997520	5725-5850	PASS
10	120	5824.959510	5725-5850	PASS
0	120	5824.950675	5725-5850	PASS
-10	120	5824.951882	5725-5850	PASS
-20	120	5824.992134	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.993722	5725-5850	PASS
	120	5824.997520	5725-5850	PASS
	132	5824.973839	5725-5850	PASS

**Antenna 1****IEEE 802.11a MHz mode / 5180 ~ 5240MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.975755	5150-5250	PASS
40	120	5179.952529	5150-5250	PASS
30	120	5179.959918	5150-5250	PASS
20	120	5179.992000	5150-5250	PASS
10	120	5179.990765	5150-5250	PASS
0	120	5179.981398	5150-5250	PASS
-10	120	5179.961615	5150-5250	PASS
-20	120	5179.981534	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.967982	5150-5250	PASS
	120	5179.992000	5150-5250	PASS
	132	5179.992031	5150-5250	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.986205	5150-5250	PASS
40	120	5239.953450	5150-5250	PASS
30	120	5239.960456	5150-5250	PASS
20	120	5240.003000	5150-5250	PASS
10	120	5239.965222	5150-5250	PASS
0	120	5239.957708	5150-5250	PASS
-10	120	5239.957183	5150-5250	PASS
-20	120	5239.964318	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.977367	5150-5250	PASS
	120	5240.003000	5150-5250	PASS
	132	5239.990743	5150-5250	PASS



## IEEE 802.11a mode / 5260 ~ 5320MHz

(Low)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5259.981681	5250-5350	PASS
40	120	5259.979552	5250-5350	PASS
30	120	5259.981176	5250-5350	PASS
20	120	5260.003700	5250-5350	PASS
10	120	5259.993882	5250-5350	PASS
0	120	5259.984385	5250-5350	PASS
-10	120	5259.983624	5250-5350	PASS
-20	120	5259.976676	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5259.992781	5250-5350	PASS
	120	5260.003700	5250-5350	PASS
	132	5259.972374	5250-5350	PASS

## IEEE 802.11a mode / 5260 ~ 5320MHz

(High)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5319.966290	5250-5350	PASS
40	120	5319.998030	5250-5350	PASS
30	120	5319.989699	5250-5350	PASS
20	120	5320.015900	5250-5350	PASS
10	120	5319.966538	5250-5350	PASS
0	120	5319.995707	5250-5350	PASS
-10	120	5319.957627	5250-5350	PASS
-20	120	5319.983642	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5319.994610	5250-5350	PASS
	120	5320.015900	5250-5350	PASS
	132	5319.954954	5250-5350	PASS



## IEEE 802.11a mode / 5500 ~ 5700MHz

(Low)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5499.977330	5475-5725	PASS
40	120	5499.986129	5475-5725	PASS
30	120	5499.961336	5475-5725	PASS
20	120	5500.002400	5475-5725	PASS
10	120	5499.964627	5475-5725	PASS
0	120	5499.992373	5475-5725	PASS
-10	120	5499.965974	5475-5725	PASS
-20	120	5499.987846	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5499.961636	5475-5725	PASS
	120	5500.002400	5475-5725	PASS
	132	5499.951080	5475-5725	PASS

## IEEE 802.11a mode / 5500 ~ 5700MHz

(High)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5699.983511	5475-5725	PASS
40	120	5699.978855	5475-5725	PASS
30	120	5699.984337	5475-5725	PASS
20	120	5699.996500	5475-5725	PASS
10	120	5699.954859	5475-5725	PASS
0	120	5699.949076	5475-5725	PASS
-10	120	5699.958890	5475-5725	PASS
-20	120	5699.996685	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5699.964217	5475-5725	PASS
	120	5699.996500	5475-5725	PASS
	132	5699.982003	5475-5725	PASS



## IEEE 802.11a mode / 5745 ~ 5825MHz

(Low)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.961685	5725-5850	PASS
40	120	5744.993148	5725-5850	PASS
30	120	5744.959902	5725-5850	PASS
20	120	5744.997930	5725-5850	PASS
10	120	5744.959032	5725-5850	PASS
0	120	5744.952709	5725-5850	PASS
-10	120	5744.955626	5725-5850	PASS
-20	120	5744.980828	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.992037	5725-5850	PASS
	120	5744.997930	5725-5850	PASS
	132	5744.974012	5725-5850	PASS

## IEEE 802.11a mode / 5745 ~ 5825MHz

(High)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.989897	5725-5850	PASS
40	120	5824.971459	5725-5850	PASS
30	120	5824.969307	5725-5850	PASS
20	120	5824.996200	5725-5850	PASS
10	120	5824.976399	5725-5850	PASS
0	120	5824.997602	5725-5850	PASS
-10	120	5824.979660	5725-5850	PASS
-20	120	5824.964827	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.950909	5725-5850	PASS
	120	5824.996200	5725-5850	PASS
	132	5824.964609	5725-5850	PASS

**Antenna 0****IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.985151	5150-5250	PASS
40	120	5179.988000	5150-5250	PASS
30	120	5179.973873	5150-5250	PASS
20	120	5179.998500	5150-5250	PASS
10	120	5179.970133	5150-5250	PASS
0	120	5179.957315	5150-5250	PASS
-10	120	5179.995371	5150-5250	PASS
-20	120	5179.962872	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.969756	5150-5250	PASS
	120	5179.998500	5150-5250	PASS
	132	5179.962910	5150-5250	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.996464	5150-5250	PASS
40	120	5239.989695	5150-5250	PASS
30	120	5239.953255	5150-5250	PASS
20	120	5239.993000	5150-5250	PASS
10	120	5239.996044	5150-5250	PASS
0	120	5239.956081	5150-5250	PASS
-10	120	5239.960133	5150-5250	PASS
-20	120	5239.996849	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.990380	5150-5250	PASS
	120	5239.993000	5150-5250	PASS
	132	5239.977376	5150-5250	PASS

**IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5259.965978	5250-5350	PASS
40	120	5259.982761	5250-5350	PASS
30	120	5259.969096	5250-5350	PASS
20	120	5259.993700	5250-5350	PASS
10	120	5259.994704	5250-5350	PASS
0	120	5259.997669	5250-5350	PASS
-10	120	5259.984024	5250-5350	PASS
-20	120	5259.965764	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5259.981105	5250-5350	PASS
	120	5259.993700	5250-5350	PASS
	132	5259.988058	5250-5350	PASS

**IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz (High)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5319.991089	5250-5350	PASS
40	120	5319.986516	5250-5350	PASS
30	120	5319.974763	5250-5350	PASS
20	120	5319.992500	5250-5350	PASS
10	120	5319.984453	5250-5350	PASS
0	120	5319.983060	5250-5350	PASS
-10	120	5319.984848	5250-5350	PASS
-20	120	5319.976639	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5319.949773	5250-5350	PASS
	120	5319.992500	5250-5350	PASS
	132	5319.950461	5250-5350	PASS

**IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5499.989175	5475-5725	PASS
40	120	5499.996490	5475-5725	PASS
30	120	5499.962318	5475-5725	PASS
20	120	5499.997400	5475-5725	PASS
10	120	5499.951429	5475-5725	PASS
0	120	5499.986698	5475-5725	PASS
-10	120	5499.976015	5475-5725	PASS
-20	120	5499.994043	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5499.979969	5475-5725	PASS
	120	5499.997400	5475-5725	PASS
	132	5499.988462	5475-5725	PASS

**IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz (High)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5699.978563	5475-5725	PASS
40	120	5699.961787	5475-5725	PASS
30	120	5699.980382	5475-5725	PASS
20	120	5699.992600	5475-5725	PASS
10	120	5699.964504	5475-5725	PASS
0	120	5699.993864	5475-5725	PASS
-10	120	5699.998805	5475-5725	PASS
-20	120	5699.957519	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5699.990965	5475-5725	PASS
	120	5699.992600	5475-5725	PASS
	132	5699.986334	5475-5725	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.969203	5725-5850	PASS
40	120	5744.973541	5725-5850	PASS
30	120	5744.973976	5725-5850	PASS
20	120	5744.998160	5725-5850	PASS
10	120	5744.992125	5725-5850	PASS
0	120	5744.983377	5725-5850	PASS
-10	120	5744.956601	5725-5850	PASS
-20	120	5744.957924	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.993341	5725-5850	PASS
	120	5744.998160	5725-5850	PASS
	132	5744.978132	5725-5850	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.968259	5725-5850	PASS
40	120	5824.973336	5725-5850	PASS
30	120	5824.955017	5725-5850	PASS
20	120	5824.997630	5725-5850	PASS
10	120	5824.998030	5725-5850	PASS
0	120	5824.983433	5725-5850	PASS
-10	120	5824.967146	5725-5850	PASS
-20	120	5824.991628	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.956069	5725-5850	PASS
	120	5824.997630	5725-5850	PASS
	132	5824.973798	5725-5850	PASS

**Antenna 1****IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5179.972786	5150-5250	PASS
40	120	5179.991586	5150-5250	PASS
30	120	5179.998200	5150-5250	PASS
20	120	5179.998500	5150-5250	PASS
10	120	5179.998503	5150-5250	PASS
0	120	5179.991347	5150-5250	PASS
-10	120	5179.966536	5150-5250	PASS
-20	120	5179.968259	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5179.973087	5150-5250	PASS
	120	5179.998500	5150-5250	PASS
	132	5179.957277	5150-5250	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5239.959260	5150-5250	PASS
40	120	5239.954498	5150-5250	PASS
30	120	5239.991169	5150-5250	PASS
20	120	5240.002700	5150-5250	PASS
10	120	5239.969407	5150-5250	PASS
0	120	5239.983637	5150-5250	PASS
-10	120	5239.967604	5150-5250	PASS
-20	120	5239.952537	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5239.986262	5150-5250	PASS
	120	5240.002700	5150-5250	PASS
	132	5239.980944	5150-5250	PASS

**IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5259.979467	5250-5350	PASS
40	120	5259.975794	5250-5350	PASS
30	120	5259.975854	5250-5350	PASS
20	120	5259.993800	5250-5350	PASS
10	120	5259.954330	5250-5350	PASS
0	120	5259.965754	5250-5350	PASS
-10	120	5259.951895	5250-5350	PASS
-20	120	5259.958780	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5259.968591	5250-5350	PASS
	120	5259.993800	5250-5350	PASS
	132	5259.955213	5250-5350	PASS

**IEEE 802.11n HT 20 MHz mode / 5260 ~ 5320MHz (High)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5319.954188	5250-5350	PASS
40	120	5319.972917	5250-5350	PASS
30	120	5319.967929	5250-5350	PASS
20	120	5319.992400	5250-5350	PASS
10	120	5319.960646	5250-5350	PASS
0	120	5319.951525	5250-5350	PASS
-10	120	5319.951213	5250-5350	PASS
-20	120	5319.958024	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5319.956552	5250-5350	PASS
	120	5319.992400	5250-5350	PASS
	132	5319.983451	5250-5350	PASS

**IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5499.983043	5475-5725	PASS
40	120	5499.961231	5475-5725	PASS
30	120	5499.987896	5475-5725	PASS
20	120	5499.991000	5475-5725	PASS
10	120	5499.988405	5475-5725	PASS
0	120	5499.952076	5475-5725	PASS
-10	120	5499.967154	5475-5725	PASS
-20	120	5499.994131	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5499.983764	5475-5725	PASS
	120	5499.991000	5475-5725	PASS
	132	5499.979239	5475-5725	PASS

**IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz (High)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5699.983573	5475-5725	PASS
40	120	5699.949733	5475-5725	PASS
30	120	5699.983697	5475-5725	PASS
20	120	5699.998300	5475-5725	PASS
10	120	5699.965008	5475-5725	PASS
0	120	5699.964161	5475-5725	PASS
-10	120	5699.958731	5475-5725	PASS
-20	120	5699.961999	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5699.967241	5475-5725	PASS
	120	5699.998300	5475-5725	PASS
	132	5699.975403	5475-5725	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5744.992311	5725-5850	PASS
40	120	5744.956596	5725-5850	PASS
30	120	5744.961536	5725-5850	PASS
20	120	5744.995000	5725-5850	PASS
10	120	5744.953160	5725-5850	PASS
0	120	5744.967045	5725-5850	PASS
-10	120	5744.993849	5725-5850	PASS
-20	120	5744.959483	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5744.998451	5725-5850	PASS
	120	5744.995000	5725-5850	PASS
	132	5744.953344	5725-5850	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5824.974165	5725-5850	PASS
40	120	5824.969167	5725-5850	PASS
30	120	5824.964292	5725-5850	PASS
20	120	5824.996800	5725-5850	PASS
10	120	5824.969843	5725-5850	PASS
0	120	5824.986063	5725-5850	PASS
-10	120	5824.997484	5725-5850	PASS
-20	120	5824.950813	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5824.987928	5725-5850	PASS
	120	5824.996800	5725-5850	PASS
	132	5824.978440	5725-5850	PASS

**Antenna 0****IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5189.966240	5150-5250	PASS
40	120	5189.958765	5150-5250	PASS
30	120	5189.959529	5150-5250	PASS
20	120	5189.995300	5150-5250	PASS
10	120	5189.957107	5150-5250	PASS
0	120	5189.978519	5150-5250	PASS
-10	120	5189.957366	5150-5250	PASS
-20	120	5189.966120	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5189.987371	5150-5250	PASS
	120	5189.995300	5150-5250	PASS
	132	5189.980539	5150-5250	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5229.973566	5150-5250	PASS
40	120	5229.999991	5150-5250	PASS
30	120	5229.985639	5150-5250	PASS
20	120	5230.005200	5150-5250	PASS
10	120	5229.986477	5150-5250	PASS
0	120	5229.968584	5150-5250	PASS
-10	120	5229.951758	5150-5250	PASS
-20	120	5229.956655	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5229.980358	5150-5250	PASS
	120	5230.005200	5150-5250	PASS
	132	5229.988378	5150-5250	PASS

**IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5269.976693	5250-5350	PASS
40	120	5269.962591	5250-5350	PASS
30	120	5269.977615	5250-5350	PASS
20	120	5270.001300	5250-5350	PASS
10	120	5269.974199	5250-5350	PASS
0	120	5269.976901	5250-5350	PASS
-10	120	5269.978374	5250-5350	PASS
-20	120	5269.984993	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5269.998896	5250-5350	PASS
	120	5270.001300	5250-5350	PASS
	132	5269.950080	5250-5350	PASS

**IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz (High)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5309.975468	5250-5350	PASS
40	120	5309.968274	5250-5350	PASS
30	120	5309.977397	5250-5350	PASS
20	120	5310.018000	5250-5350	PASS
10	120	5309.956699	5250-5350	PASS
0	120	5309.990596	5250-5350	PASS
-10	120	5309.975108	5250-5350	PASS
-20	120	5309.952516	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5309.990447	5250-5350	PASS
	120	5310.018000	5250-5350	PASS
	132	5309.971739	5250-5350	PASS

**IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5509.971040	5475-5725	PASS
40	120	5509.991482	5475-5725	PASS
30	120	5509.986943	5475-5725	PASS
20	120	5510.057000	5475-5725	PASS
10	120	5509.985463	5475-5725	PASS
0	120	5509.994459	5475-5725	PASS
-10	120	5509.984486	5475-5725	PASS
-20	120	5509.982886	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5509.997422	5475-5725	PASS
	120	5510.057000	5475-5725	PASS
	132	5509.961572	5475-5725	PASS

**IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz (High)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5669.976860	5475-5725	PASS
40	120	5669.985045	5475-5725	PASS
30	120	5669.952949	5475-5725	PASS
20	120	5670.004200	5475-5725	PASS
10	120	5669.981450	5475-5725	PASS
0	120	5669.964201	5475-5725	PASS
-10	120	5669.994587	5475-5725	PASS
-20	120	5669.979949	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5669.970038	5475-5725	PASS
	120	5670.004200	5475-5725	PASS
	132	5669.958640	5475-5725	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5754.969638	5725-5850	PASS
40	120	5754.990674	5725-5850	PASS
30	120	5754.951960	5725-5850	PASS
20	120	5754.996310	5725-5850	PASS
10	120	5754.961932	5725-5850	PASS
0	120	5754.995675	5725-5850	PASS
-10	120	5754.958066	5725-5850	PASS
-20	120	5754.953047	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5754.968761	5725-5850	PASS
	120	5754.996310	5725-5850	PASS
	132	5754.957162	5725-5850	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5794.957785	5725-5850	PASS
40	120	5794.998799	5725-5850	PASS
30	120	5794.969618	5725-5850	PASS
20	120	5794.998200	5725-5850	PASS
10	120	5794.971594	5725-5850	PASS
0	120	5794.998827	5725-5850	PASS
-10	120	5794.983916	5725-5850	PASS
-20	120	5794.972833	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5794.964732	5725-5850	PASS
	120	5794.998200	5725-5850	PASS
	132	5794.980032	5725-5850	PASS

**Antenna 1****IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5189.971826	5150-5250	PASS
40	120	5189.963590	5150-5250	PASS
30	120	5189.983923	5150-5250	PASS
20	120	5189.998000	5150-5250	PASS
10	120	5189.995556	5150-5250	PASS
0	120	5189.995865	5150-5250	PASS
-10	120	5189.953219	5150-5250	PASS
-20	120	5189.969395	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5189.966535	5150-5250	PASS
	120	5189.998000	5150-5250	PASS
	132	5189.981979	5150-5250	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5229.979034	5150-5250	PASS
40	120	5229.993016	5150-5250	PASS
30	120	5229.991814	5150-5250	PASS
20	120	5230.005800	5150-5250	PASS
10	120	5229.979795	5150-5250	PASS
0	120	5229.982415	5150-5250	PASS
-10	120	5229.980562	5150-5250	PASS
-20	120	5229.985065	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5229.984063	5150-5250	PASS
	120	5230.005800	5150-5250	PASS
	132	5229.950730	5150-5250	PASS

**IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5269.993201	5250-5350	PASS
40	120	5269.960917	5250-5350	PASS
30	120	5269.958122	5250-5350	PASS
20	120	5270.003500	5250-5350	PASS
10	120	5269.986123	5250-5350	PASS
0	120	5269.981201	5250-5350	PASS
-10	120	5269.992000	5250-5350	PASS
-20	120	5269.987791	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5269.996943	5250-5350	PASS
	120	5270.003500	5250-5350	PASS
	132	5269.983160	5250-5350	PASS

**IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz (High)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5309.981197	5250-5350	PASS
40	120	5309.998592	5250-5350	PASS
30	120	5309.991846	5250-5350	PASS
20	120	5310.014200	5250-5350	PASS
10	120	5309.987516	5250-5350	PASS
0	120	5309.951382	5250-5350	PASS
-10	120	5309.972585	5250-5350	PASS
-20	120	5309.956189	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5309.966887	5250-5350	PASS
	120	5310.014200	5250-5350	PASS
	132	5309.990953	5250-5350	PASS

**IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5509.980125	5475-5725	PASS
40	120	5509.954285	5475-5725	PASS
30	120	5509.995582	5475-5725	PASS
20	120	5510.002700	5475-5725	PASS
10	120	5509.979633	5475-5725	PASS
0	120	5509.972484	5475-5725	PASS
-10	120	5509.977139	5475-5725	PASS
-20	120	5509.955483	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5509.977379	5475-5725	PASS
	120	5510.002700	5475-5725	PASS
	132	5509.989449	5475-5725	PASS

**IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz (High)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5669.949658	5475-5725	PASS
40	120	5669.995310	5475-5725	PASS
30	120	5669.955598	5475-5725	PASS
20	120	5670.038500	5475-5725	PASS
10	120	5669.957599	5475-5725	PASS
0	120	5669.981139	5475-5725	PASS
-10	120	5669.985588	5475-5725	PASS
-20	120	5669.968511	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5669.953928	5475-5725	PASS
	120	5670.038500	5475-5725	PASS
	132	5669.959659	5475-5725	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5754.983985	5725-5850	PASS
40	120	5754.969848	5725-5850	PASS
30	120	5754.979282	5725-5850	PASS
20	120	5754.997820	5725-5850	PASS
10	120	5754.979235	5725-5850	PASS
0	120	5754.954646	5725-5850	PASS
-10	120	5754.951599	5725-5850	PASS
-20	120	5754.970574	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5754.984548	5725-5850	PASS
	120	5754.997820	5725-5850	PASS
	132	5754.950415	5725-5850	PASS

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

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5794.962490	5725-5850	PASS
40	120	5794.992985	5725-5850	PASS
30	120	5794.949961	5725-5850	PASS
20	120	5794.996100	5725-5850	PASS
10	120	5794.963722	5725-5850	PASS
0	120	5794.983097	5725-5850	PASS
-10	120	5794.979887	5725-5850	PASS
-20	120	5794.952905	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5794.957917	5725-5850	PASS
	120	5794.996100	5725-5850	PASS
	132	5794.998005	5725-5850	PASS

**Antenna 0****IEEE 802.11ac 80 mode / 5210MHz**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5209.978460	5150-5250	PASS
40	120	5209.963734	5150-5250	PASS
30	120	5209.953070	5150-5250	PASS
20	120	5209.989300	5150-5250	PASS
10	120	5209.955970	5150-5250	PASS
0	120	5209.958454	5150-5250	PASS
-10	120	5209.997169	5150-5250	PASS
-20	120	5209.954191	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5209.954747	5150-5250	PASS
	120	5209.989300	5150-5250	PASS
	132	5209.963708	5150-5250	PASS

**IEEE 802.11ac 80 mode / 5290MHz**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5289.949050	5250-5350	PASS
40	120	5289.959706	5250-5350	PASS
30	120	5289.981920	5250-5350	PASS
20	120	5289.997810	5250-5350	PASS
10	120	5289.968216	5250-5350	PASS
0	120	5289.997522	5250-5350	PASS
-10	120	5289.994267	5250-5350	PASS
-20	120	5289.958259	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5289.965572	5250-5350	PASS
	120	5289.997810	5250-5350	PASS
	132	5289.997582	5250-5350	PASS

**IEEE 802.11ac 80 mode / 5530MHz (Low)**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5529.989531	5475-5725	PASS
40	120	5529.957694	5475-5725	PASS
30	120	5529.980261	5475-5725	PASS
20	120	5529.998600	5475-5725	PASS
10	120	5529.975857	5475-5725	PASS
0	120	5529.957849	5475-5725	PASS
-10	120	5529.982887	5475-5725	PASS
-20	120	5529.991397	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5529.985908	5475-5725	PASS
	120	5529.998600	5475-5725	PASS
	132	5529.985950	5475-5725	PASS

**IEEE 802.11ac 80 mode / 5775MHz**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5774.974982	5725-5850	PASS
40	120	5774.954144	5725-5850	PASS
30	120	5774.976628	5725-5850	PASS
20	120	5774.998000	5725-5850	PASS
10	120	5774.953439	5725-5850	PASS
0	120	5774.990944	5725-5850	PASS
-10	120	5774.977717	5725-5850	PASS
-20	120	5774.983356	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5774.987057	5725-5850	PASS
	120	5774.998000	5725-5850	PASS
	132	5774.961855	5725-5850	PASS

**Antenna 1****IEEE 802.11ac 80 mode / 5210MHz**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5209.988020	5150-5250	PASS
40	120	5209.997773	5150-5250	PASS
30	120	5209.952789	5150-5250	PASS
20	120	5209.997100	5150-5250	PASS
10	120	5209.998347	5150-5250	PASS
0	120	5209.988788	5150-5250	PASS
-10	120	5209.959499	5150-5250	PASS
-20	120	5209.994457	5150-5250	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5209.997215	5150-5250	PASS
	120	5209.997100	5150-5250	PASS
	132	5209.972998	5150-5250	PASS

**IEEE 802.11ac 80 mode / 5290MHz**

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5289.982796	5250-5350	PASS
40	120	5289.976226	5250-5350	PASS
30	120	5289.971099	5250-5350	PASS
20	120	5290.003500	5250-5350	PASS
10	120	5289.973944	5250-5350	PASS
0	120	5289.982929	5250-5350	PASS
-10	120	5289.949834	5250-5350	PASS
-20	120	5289.972040	5250-5350	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5289.991573	5250-5350	PASS
	120	5290.003500	5250-5350	PASS
	132	5289.966047	5250-5350	PASS



## IEEE 802.11ac 80 mode / 5530MHz (Low)

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5529.978584	5475-5725	PASS
40	120	5529.980993	5475-5725	PASS
30	120	5529.997683	5475-5725	PASS
20	120	5529.998600	5475-5725	PASS
10	120	5529.954000	5475-5725	PASS
0	120	5529.983092	5475-5725	PASS
-10	120	5529.997747	5475-5725	PASS
-20	120	5529.988238	5475-5725	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5529.956964	5475-5725	PASS
	120	5529.998600	5475-5725	PASS
	132	5529.998908	5475-5725	PASS

## IEEE 802.11ac 80 mode / 5775MHz

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
50	120	5774.972711	5725-5850	PASS
40	120	5774.962937	5725-5850	PASS
30	120	5774.978689	5725-5850	PASS
20	120	5774.998000	5725-5850	PASS
10	120	5774.953840	5725-5850	PASS
0	120	5774.974411	5725-5850	PASS
-10	120	5774.966188	5725-5850	PASS
-20	120	5774.961139	5725-5850	PASS

Environment Temperature (°C)	Voltage (V)	Measured Frequency (MHz)	limit Range	Test Result
20	108	5774.990150	5725-5850	PASS
	120	5774.998000	5725-5850	PASS
	132	5774.977616	5725-5850	PASS