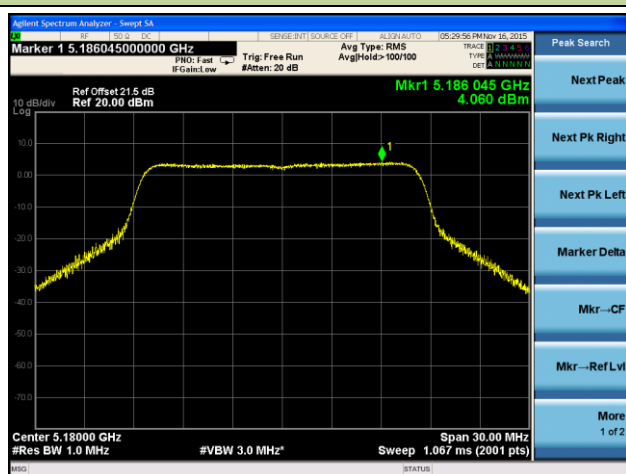
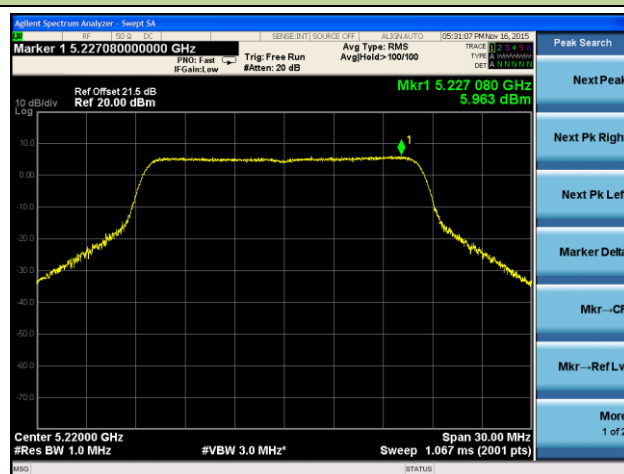


# 802.11a Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

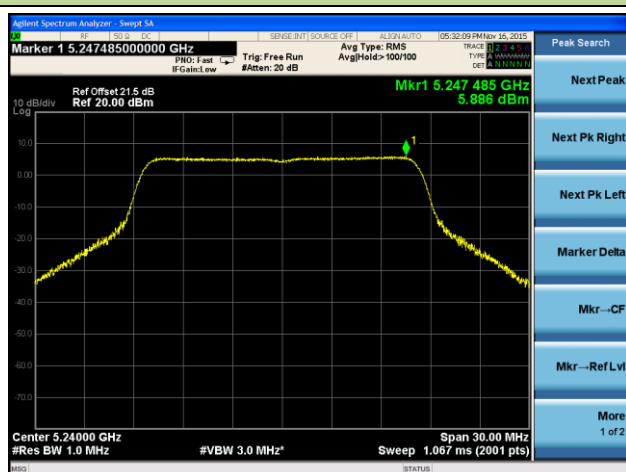
## Channel 36 (5180MHz)



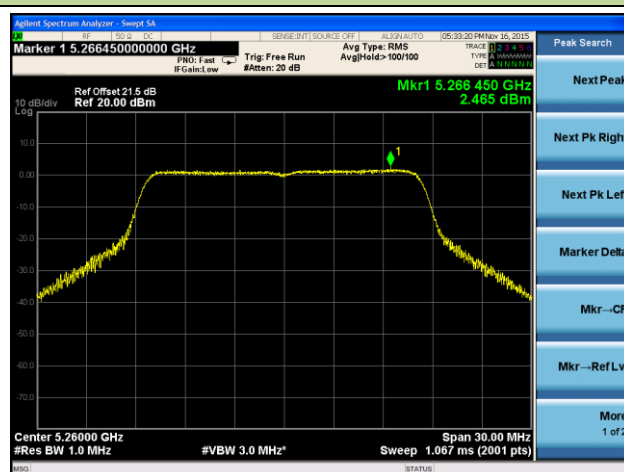
## Channel 44 (5220MHz)



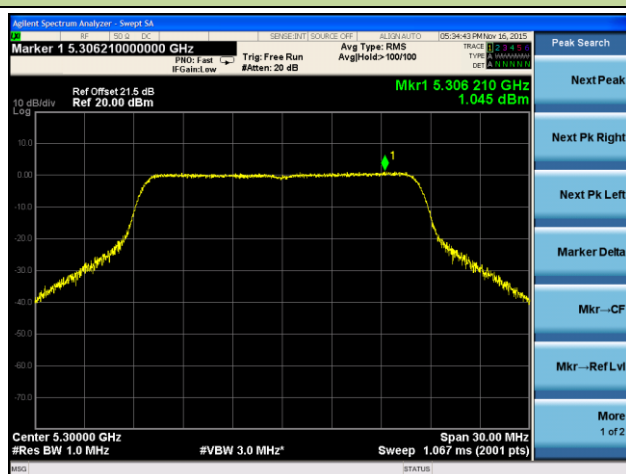
## Channel 48 (5240MHz)



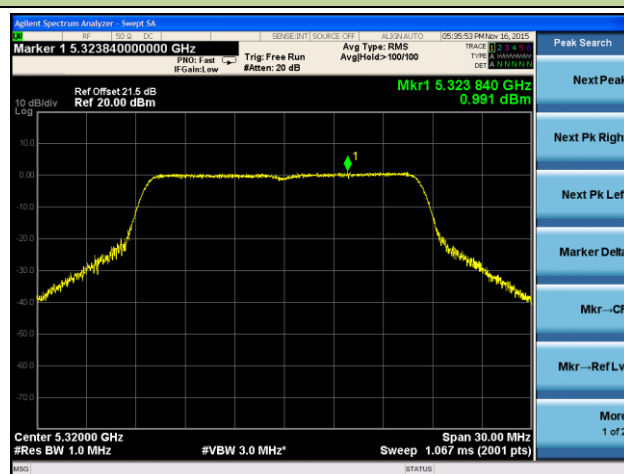
## Channel 52 (5260MHz)



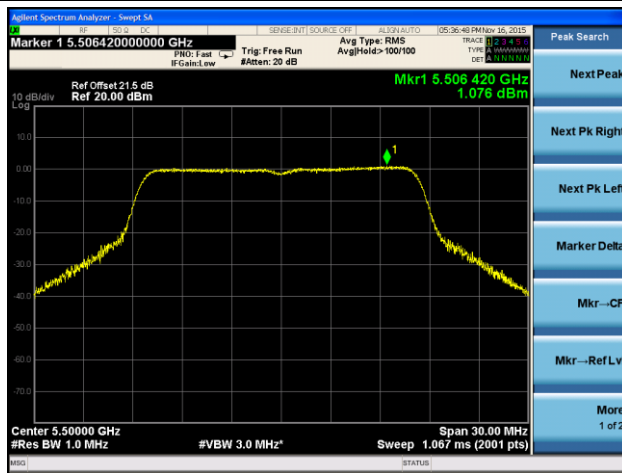
## Channel 60 (5300MHz)



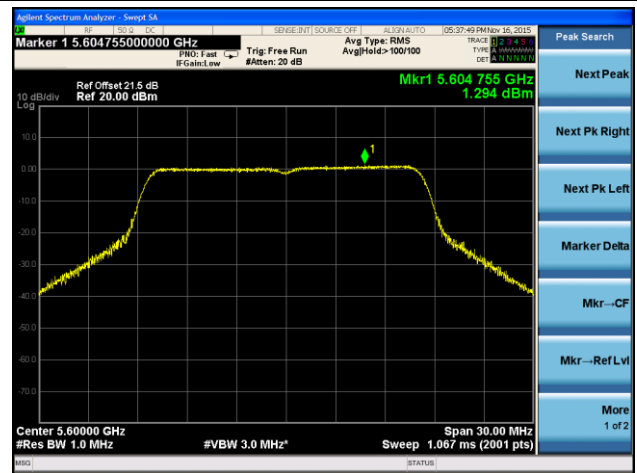
## Channel 64 (5320MHz)



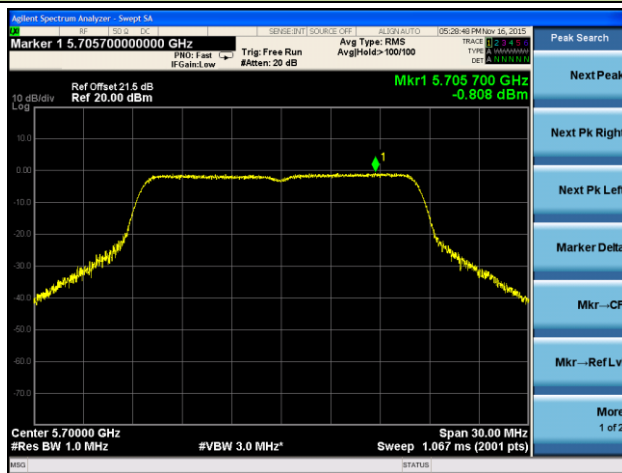
### Channel 100 (5500MHz)



### Channel 120 (5600MHz)



### Channel 140 (5700MHz)



## Radiated Spurious Emission Measurement

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7356.5	38.6	8.0	46.6	74.0	-27.4	Peak	Horizontal
*	10358.3	42.5	12.2	54.7	88.2	-33.5	Peak	Horizontal
	11526.4	38.1	12.7	50.8	74.0	-23.2	Peak	Horizontal
*	13426.4	37.9	13.6	51.5	88.2	-36.7	Peak	Horizontal
	8143.4	38.9	8.5	47.4	74.0	-26.6	Peak	Vertical
*	10358.2	47.0	12.2	59.2	88.2	-29.0	Peak	Vertical
	11523.4	38.4	12.7	51.1	74.0	-22.9	Peak	Vertical
*	12742.5	37.8	11.7	49.5	88.2	-38.7	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7625.4	38.3	8.0	46.3	74.0	-27.7	Peak	Horizontal
*	10434.7	45.7	12.0	57.7	88.2	-30.5	Peak	Horizontal
	15657.3	32.4	12.0	44.4	54.0	-9.6	Average	Horizontal
	15662.2	47.2	12.0	59.2	74.0	-14.8	Peak	Horizontal
*	16253.5	39.6	12.7	52.3	88.2	-35.9	Peak	Horizontal
	7653.2	39.5	8.0	47.5	74.0	-26.5	Peak	Vertical
*	10443.2	48.6	12.0	60.6	88.2	-27.6	Peak	Vertical
	15653.6	41.6	12.0	53.6	74.0	-20.4	Peak	Vertical
*	16253.2	40.0	12.7	52.7	88.2	-35.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9155.3	36.8	9.8	46.6	74.0	-27.4	Peak	Horizontal
*	10477.2	45.1	12.2	57.3	88.2	-30.9	Peak	Horizontal
	15719.4	31.7	11.8	43.5	54.0	-10.5	Average	Horizontal
	15721.8	47.0	11.8	58.8	74.0	-15.2	Peak	Horizontal
*	16253.2	40.6	12.7	53.3	88.2	-34.9	Peak	Horizontal
	7324.7	37.7	8.0	45.7	74.0	-28.3	Peak	Vertical
*	10477.3	49.8	12.2	62.0	88.2	-26.2	Peak	Vertical
	11425.7	35.7	12.7	48.4	74.0	-25.6	Peak	Vertical
*	12756.7	36.6	11.7	48.3	88.2	-39.9	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	52	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7046.2	43.7	7.1	50.8	88.2	-37.4	Peak	Horizontal
*	7832.3	45.5	8.4	53.9	88.2	-34.3	Peak	Horizontal
	9066.1	41.6	9.1	50.7	74.0	-23.3	Peak	Horizontal
	10808.6	40.5	12.7	53.2	74.0	-20.8	Peak	Horizontal
*	7016.3	45.1	6.9	52.0	88.2	-36.2	Peak	Vertical
*	7963.2	45.0	8.6	53.6	88.2	-34.6	Peak	Vertical
	9167.3	41.4	9.9	51.3	74.0	-22.7	Peak	Vertical
	10698.2	39.6	12.4	52.0	74.0	-22.0	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	60	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7113.1	44.5	7.6	52.1	88.2	-36.1	Peak	Horizontal
*	7864.3	44.4	8.4	52.8	88.2	-35.4	Peak	Horizontal
	9167.1	42.3	9.9	52.2	74.0	-21.8	Peak	Horizontal
	10613.3	40.8	12.4	53.2	74.0	-20.8	Peak	Horizontal
*	7110.1	44.8	7.5	52.3	88.2	-35.9	Peak	Vertical
*	7813.3	43.7	8.4	52.1	88.2	-36.1	Peak	Vertical
	9168.2	41.6	9.9	51.5	74.0	-22.5	Peak	Vertical
	10621.8	40.3	12.4	52.7	74.0	-21.3	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	64	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7211.2	43.9	7.8	51.7	88.2	-36.5	Peak	Horizontal
*	7813.2	43.1	8.4	51.5	88.2	-36.7	Peak	Horizontal
	9113.1	41.9	9.5	51.4	74.0	-22.6	Peak	Horizontal
	10655.8	40.2	12.3	52.5	74.0	-21.5	Peak	Horizontal
*	7203.3	43.9	7.8	51.7	88.2	-36.5	Peak	Vertical
*	7901.1	43.0	8.3	51.3	88.2	-36.9	Peak	Vertical
	9364.2	42.7	10.5	53.2	74.0	-20.8	Peak	Vertical
	10689.8	39.4	12.4	51.8	74.0	-22.2	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)



Test Mode:	802.11a	Test Site:	AC1
Test Channel:	100	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7204.2	43.7	7.8	51.5	88.2	-36.7	Peak	Horizontal
*	7806.1	42.8	8.4	51.2	88.2	-37.0	Peak	Horizontal
	9106.3	41.2	9.4	50.6	74.0	-23.4	Peak	Horizontal
	10621.7	41.4	12.4	53.8	74.0	-20.2	Peak	Horizontal
*	7211.3	44.0	7.8	51.8	88.2	-36.4	Peak	Vertical
*	7861.3	43.9	8.4	52.3	88.2	-35.9	Peak	Vertical
	9168.3	42.4	9.9	52.3	74.0	-21.7	Peak	Vertical
	10706.7	40.8	12.4	53.2	74.0	-20.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	120	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7022.2	43.4	6.9	50.3	88.2	-37.9	Peak	Horizontal
*	7753.4	43.0	8.1	51.1	88.2	-37.1	Peak	Horizontal
	9153.4	41.4	9.8	51.2	74.0	-22.8	Peak	Horizontal
	10625.3	39.9	12.4	52.3	74.0	-21.7	Peak	Horizontal
*	7026.4	42.2	6.9	49.1	88.2	-39.1	Peak	Vertical
*	7759.4	42.3	8.1	50.4	88.2	-37.8	Peak	Vertical
	9173.2	42.3	9.9	52.2	74.0	-21.8	Peak	Vertical
	12503.3	39.8	11.4	51.2	74.0	-22.8	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	140	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7149.4	41.7	7.7	49.4	88.2	-38.8	Peak	Horizontal
*	7762.2	40.9	8.2	49.1	88.2	-39.1	Peak	Horizontal
	9153.3	41.7	9.8	51.5	74.0	-22.5	Peak	Horizontal
	11811.8	40.3	11.9	52.2	74.0	-21.8	Peak	Horizontal
*	7149.6	42.4	7.7	50.1	88.2	-38.1	Peak	Vertical
*	7754.6	42.3	8.1	50.4	88.2	-37.8	Peak	Vertical
	9173.4	42.1	9.9	52.0	74.0	-22.0	Peak	Vertical
	12430.3	40.0	11.5	51.5	74.0	-22.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7326.0	38.2	8.0	46.2	74.0	-27.8	Peak	Horizontal
*	9245.7	37.3	10.2	47.5	88.2	-40.7	Peak	Horizontal
	11487.8	33.3	12.8	46.1	54.0	-7.9	Average	Horizontal
	11488.8	43.8	12.8	56.6	74.0	-17.4	Peak	Horizontal
*	17234.8	47.5	15.9	63.4	88.2	-24.8	Peak	Horizontal
	7323.9	37.8	8.0	45.8	74.0	-28.2	Peak	Vertical
*	9243.3	36.6	10.2	46.8	88.2	-41.4	Peak	Vertical
	11488.7	40.9	12.8	53.7	74.0	-20.3	Peak	Vertical
*	17234.7	42.8	15.9	58.7	88.2	-29.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7325.0	37.1	8.0	45.1	74.0	-28.9	Peak	Horizontal
*	9253.2	37.9	10.2	48.1	88.2	-40.1	Peak	Horizontal
	11565.2	39.3	12.7	52.0	74.0	-22.0	Peak	Horizontal
*	17353.8	47.6	16.9	64.5	88.2	-23.7	Peak	Horizontal
	7314.0	37.9	8.0	45.9	74.0	-28.1	Peak	Vertical
*	9275.7	37.5	10.3	47.8	88.2	-40.4	Peak	Vertical
	11565.3	38.4	12.7	51.1	74.0	-22.9	Peak	Vertical
*	17345.3	42.3	16.8	59.1	88.2	-29.1	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7341.6	37.0	8.0	45.0	74.0	-29.0	Peak	Horizontal
*	9286.1	36.6	10.3	46.9	88.2	-41.3	Peak	Horizontal
	11650.3	40.2	12.3	52.5	74.0	-21.5	Peak	Horizontal
*	17472.8	46.3	17.2	63.5	88.2	-24.7	Peak	Horizontal
	7359.5	39.2	8.0	47.2	74.0	-26.8	Peak	Vertical
*	9247.7	37.2	10.2	47.4	88.2	-40.8	Peak	Vertical
	11650.0	32.5	12.3	44.8	54.0	-9.2	Average	Vertical
	11650.1	42.8	12.3	55.1	74.0	-18.9	Peak	Vertical
*	17472.7	42.6	17.2	59.8	88.2	-28.4	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

## Annex 2

### Output Power Measurement

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
11a	6	36	5180	15.89	16.58	15.89	16.17	22.16	≤27.96	Pass
11a	6	44	5220	17.92	18.01	17.87	18.04	23.98	≤27.96	Pass
11a	6	48	5240	17.68	18.11	17.73	18.07	23.92	≤27.96	Pass
11a	6	52	5260	14.49	14.18	13.73	14.68	20.31	≤22.22	Pass
11a	6	60	5300	14.66	14.48	13.96	14.72	20.49	≤22.22	Pass
11a	6	64	5320	14.69	14.44	14.06	14.58	20.47	≤22.22	Pass
11a	6	100	5500	14.31	13.68	13.21	13.86	19.80	≤21.62	Pass
11a	6	120	5600	14.19	14.04	12.71	13.73	19.72	≤21.62	Pass
11a	6	140	5700	13.21	13.65	12.12	12.47	18.92	≤21.62	Pass
11a	6	149	5745	20.63	20.91	20.95	21.42	27.01	≤27.30	Pass
11a	6	157	5785	20.28	20.48	20.94	21.53	26.86	≤27.30	Pass
11a	6	165	5825	20.39	20.52	20.96	21.19	26.80	≤27.30	Pass

Note: The Total Average Power (dBm) =  $10 \cdot \log\{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$ .

## Power Spectral Density Measurement

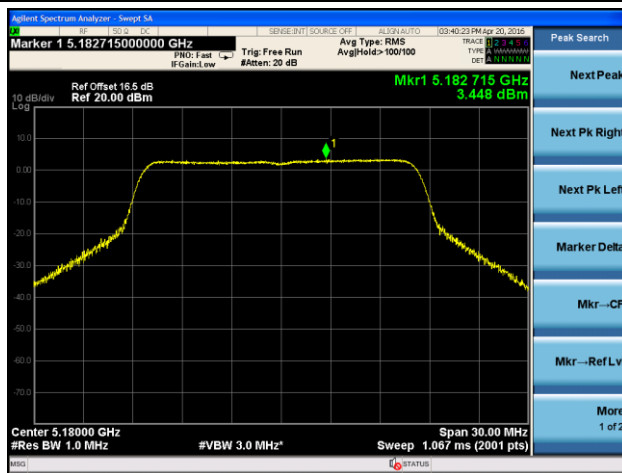
Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
11a	6	36	5180	3.45	4.13	4.38	4.30	98.9	10.10	≤ 14.96	Pass
11a	6	44	5220	5.16	6.28	6.30	5.77	98.9	11.92	≤ 14.96	Pass
11a	6	48	5240	5.30	5.79	6.16	6.02	98.9	11.85	≤ 14.96	Pass
11a	6	52	5260	2.50	2.29	1.99	2.29	98.9	8.29	≤ 9.22	Pass
11a	6	60	5300	2.30	1.78	1.53	1.45	98.9	7.80	≤ 9.22	Pass
11a	6	64	5320	1.60	1.55	1.71	1.77	98.9	7.68	≤ 9.22	Pass
11a	6	100	5500	2.44	1.92	1.83	2.31	98.9	8.15	≤ 8.62	Pass
11a	6	120	5600	2.22	1.99	1.87	2.32	98.9	8.12	≤ 8.62	Pass
11a	6	140	5700	1.59	1.01	-0.17	-0.49	98.9	6.59	≤ 8.62	Pass

Note: When EUT duty cycle < 98%, the total PSD =  $10 \cdot \log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle})$

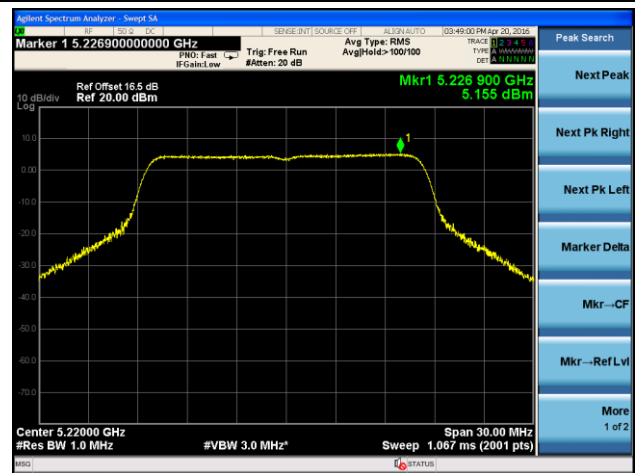


# 802.11a Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

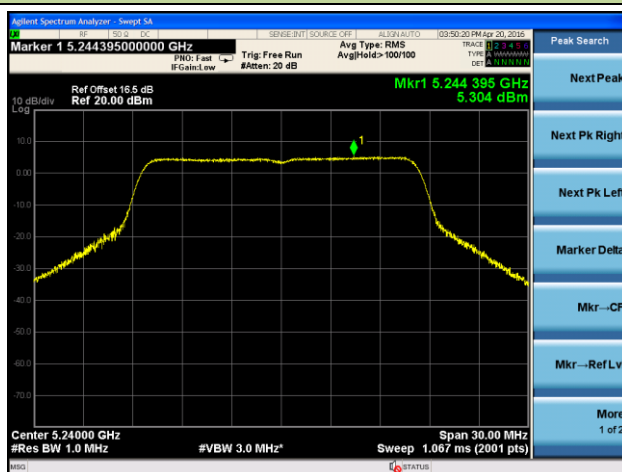
## Channel 36 (5180MHz)



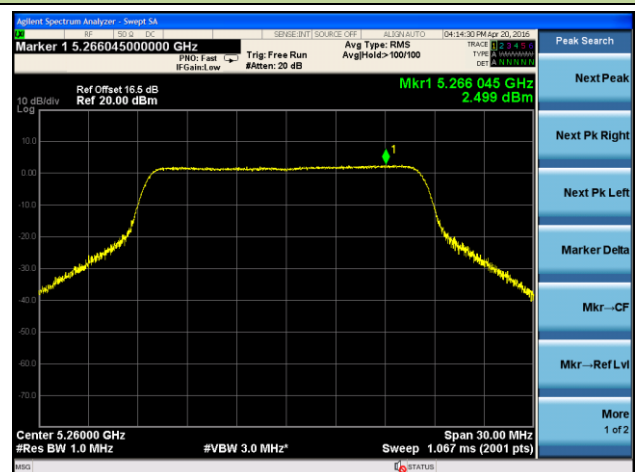
## Channel 44 (5220MHz)



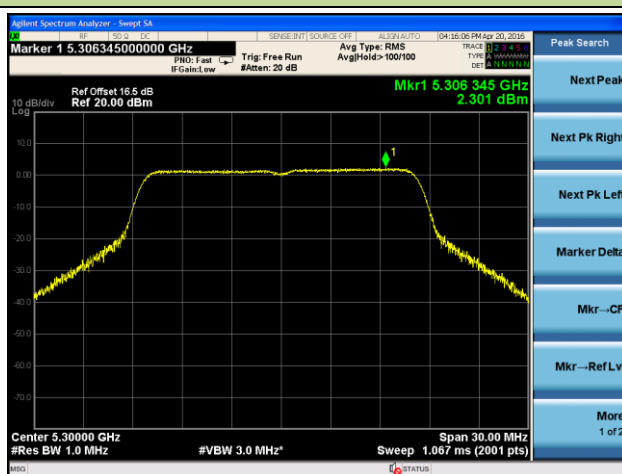
## Channel 48 (5240MHz)



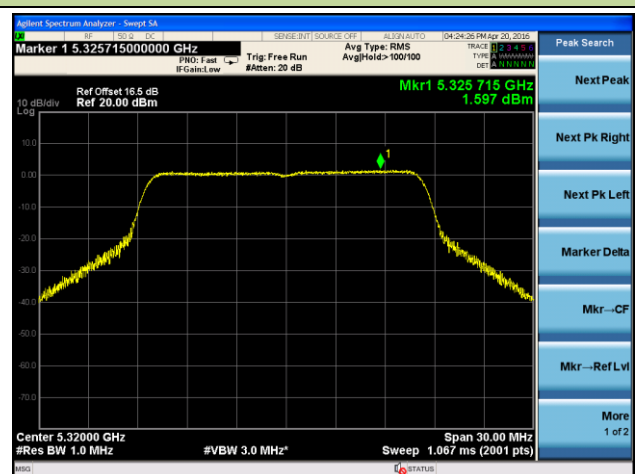
## Channel 52 (5260MHz)



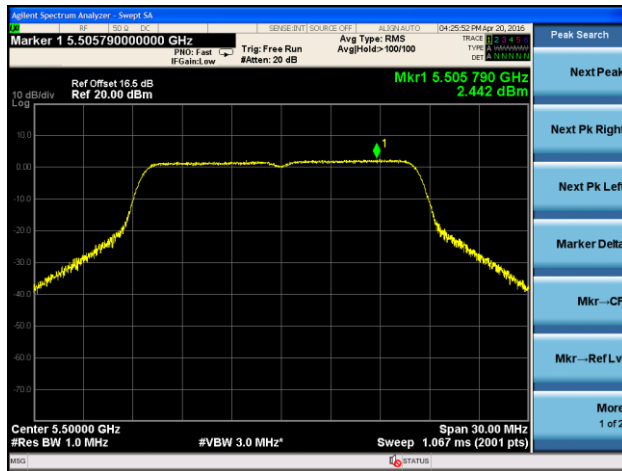
## Channel 60 (5300MHz)



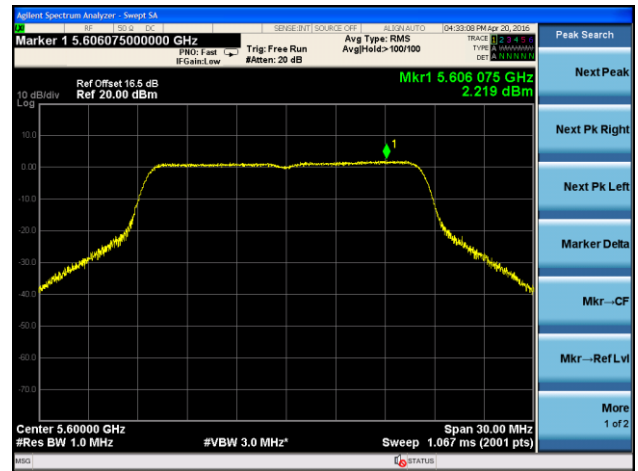
## Channel 64 (5320MHz)



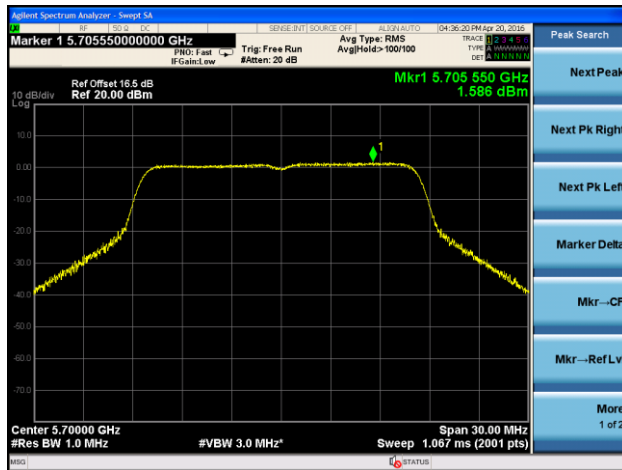
### Channel 100 (5500MHz)



### Channel 120 (5600MHz)

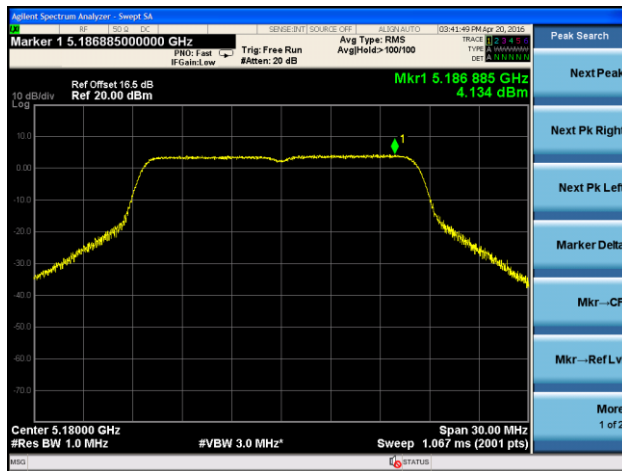


### Channel 140 (5700MHz)

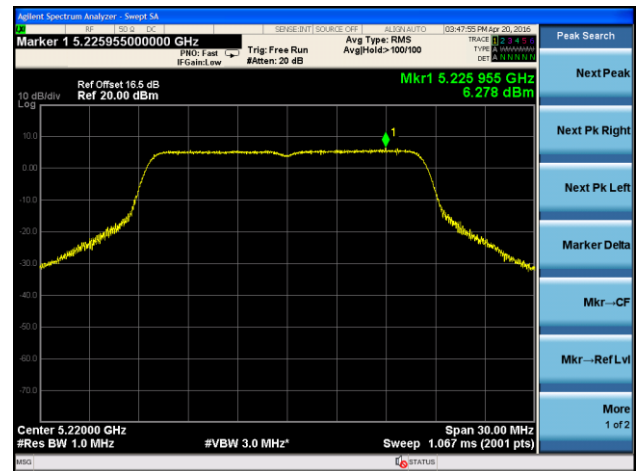


# 802.11a Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

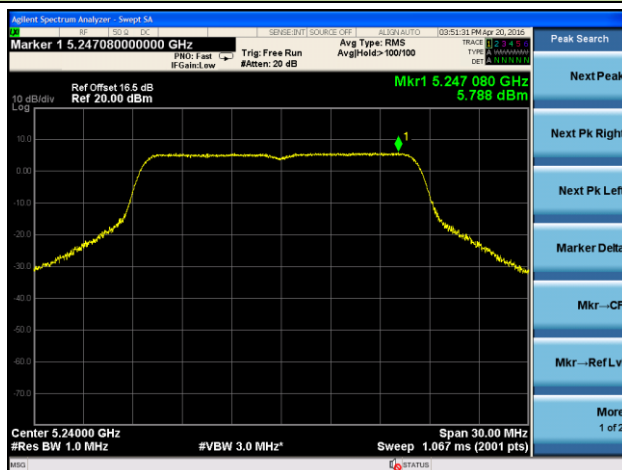
## Channel 36 (5180MHz)



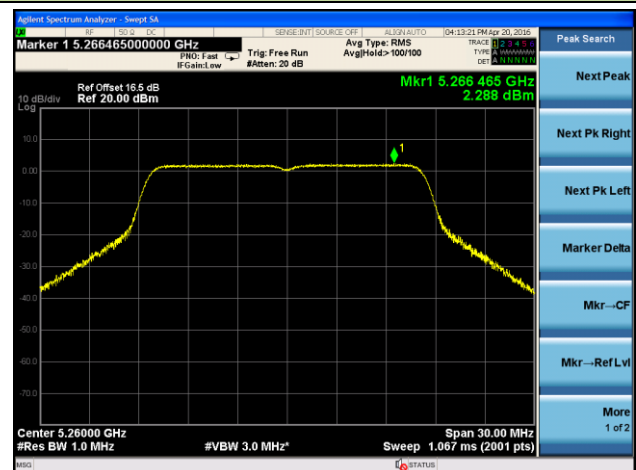
## Channel 44 (5220MHz)



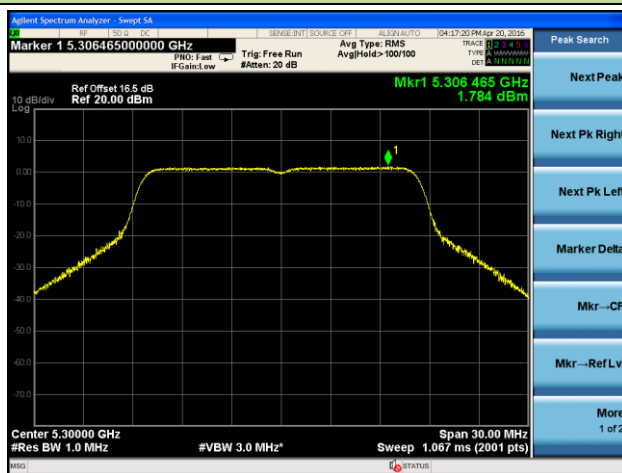
## Channel 48 (5240MHz)



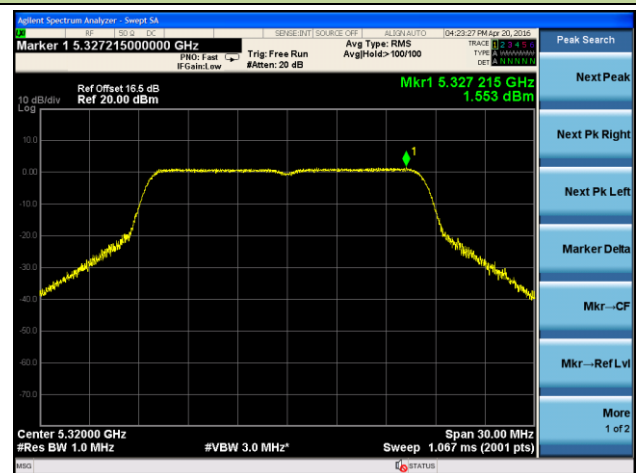
## Channel 52 (5260MHz)



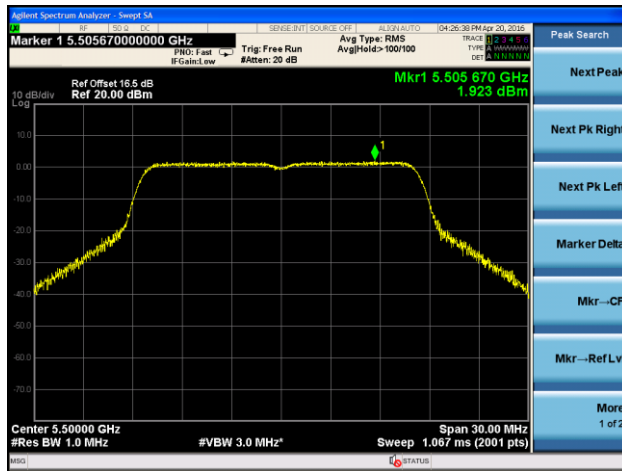
## Channel 60 (5300MHz)



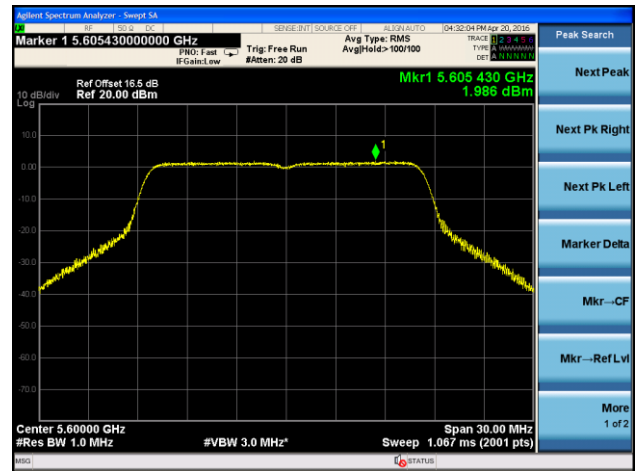
## Channel 64 (5320MHz)



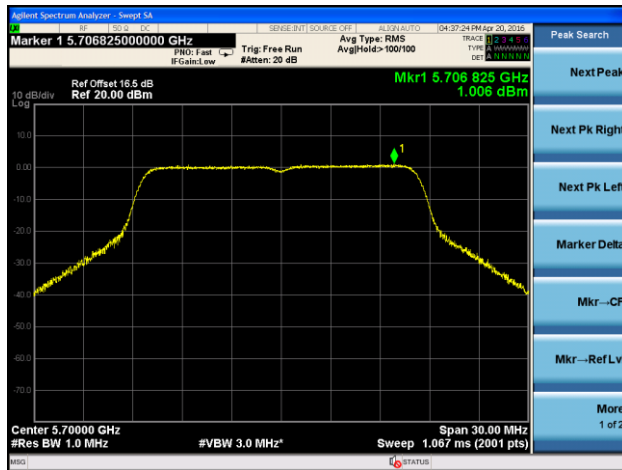
### Channel 100 (5500MHz)



### Channel 120 (5600MHz)

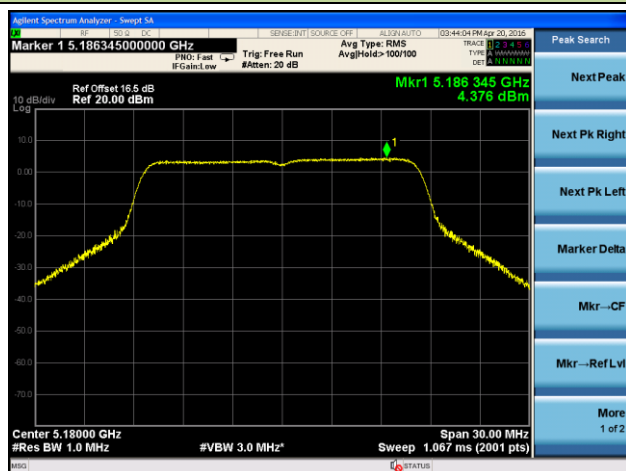


### Channel 140 (5700MHz)

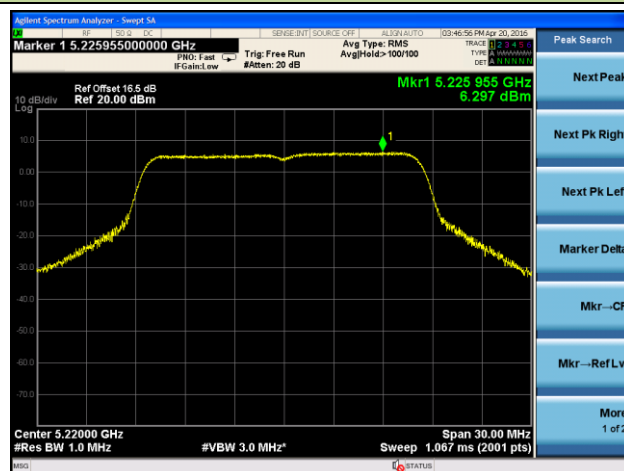


# 802.11a Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

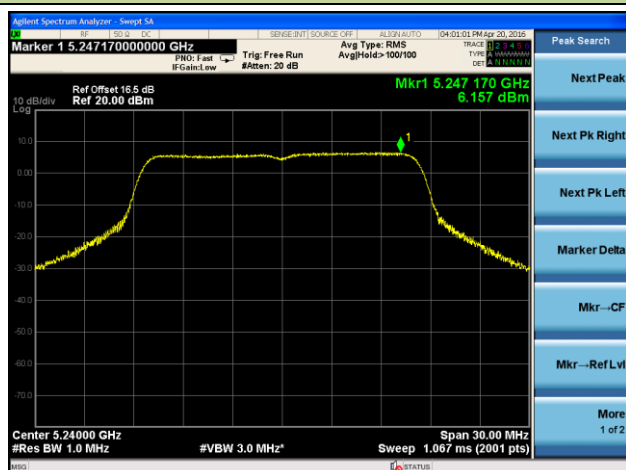
## Channel 36 (5180MHz)



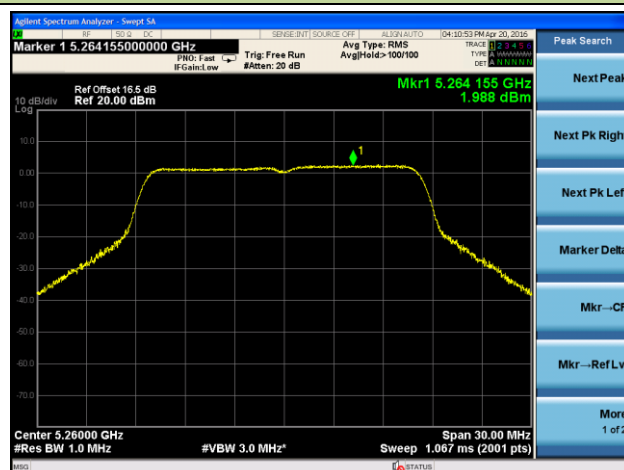
## Channel 44 (5220MHz)



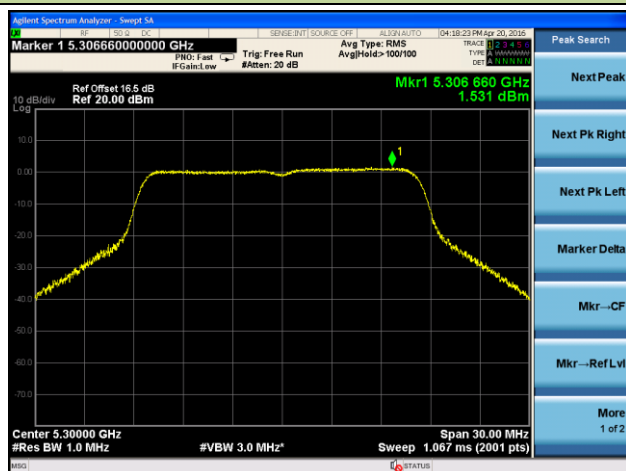
## Channel 48 (5240MHz)



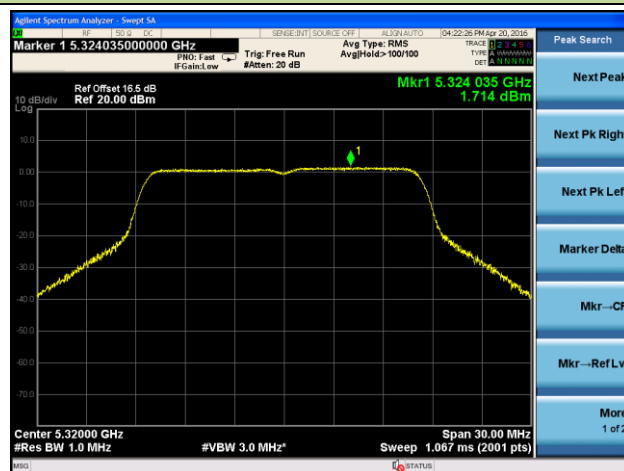
## Channel 52 (5260MHz)



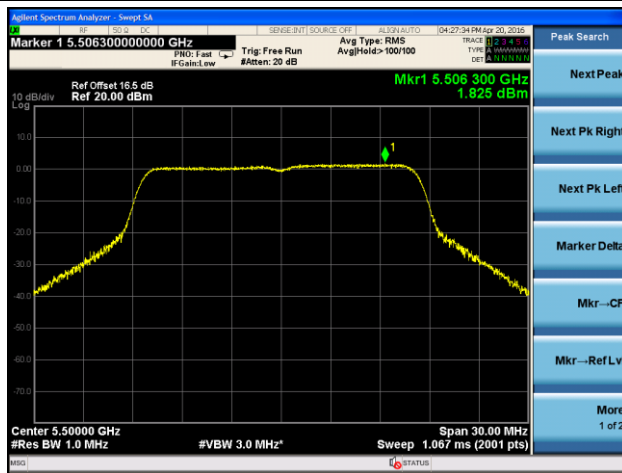
## Channel 60 (5300MHz)



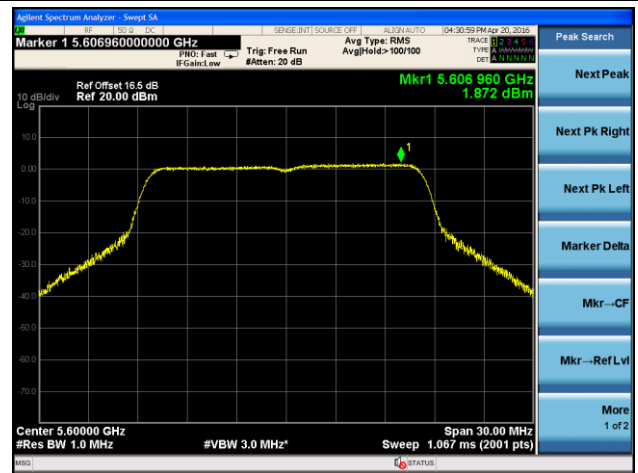
## Channel 64 (5320MHz)



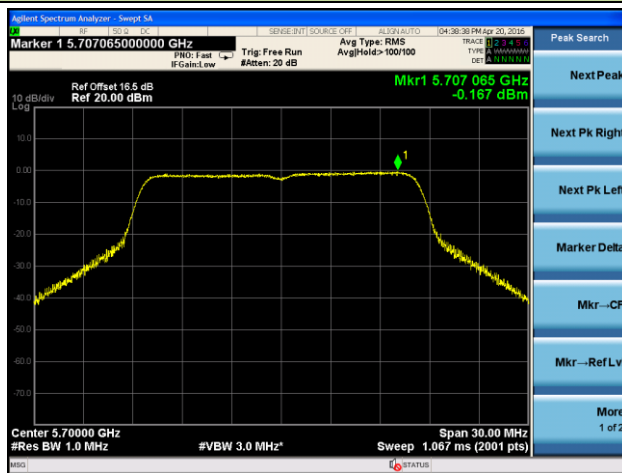
### Channel 100 (5500MHz)



### Channel 120 (5600MHz)

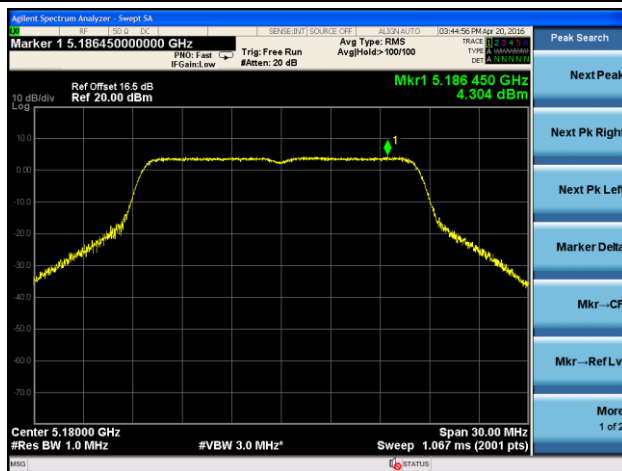


### Channel 140 (5700MHz)

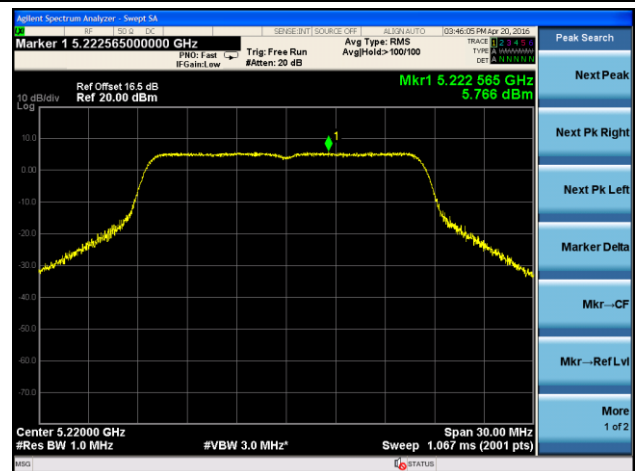


# 802.11a Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

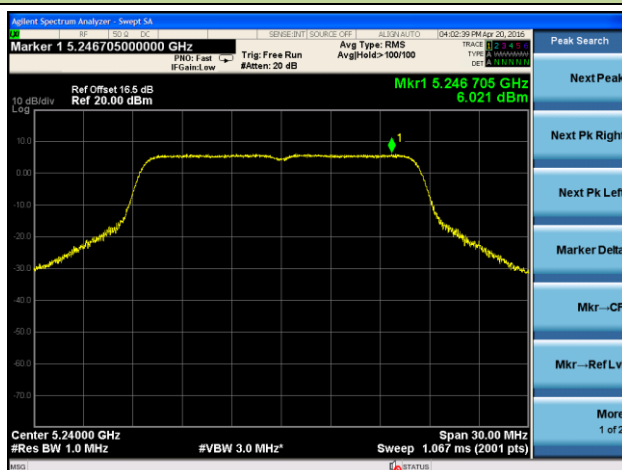
## Channel 36 (5180MHz)



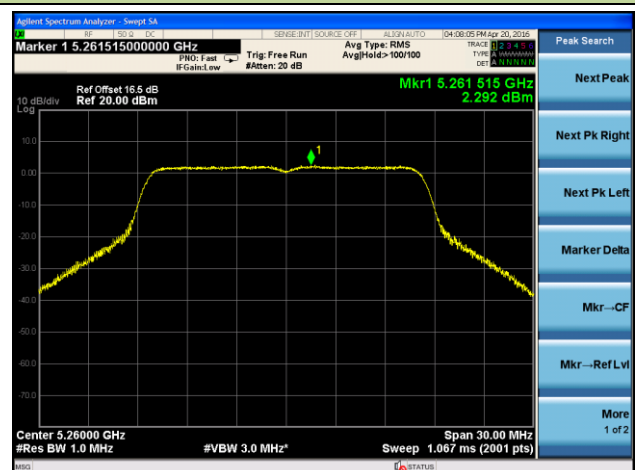
## Channel 44 (5220MHz)



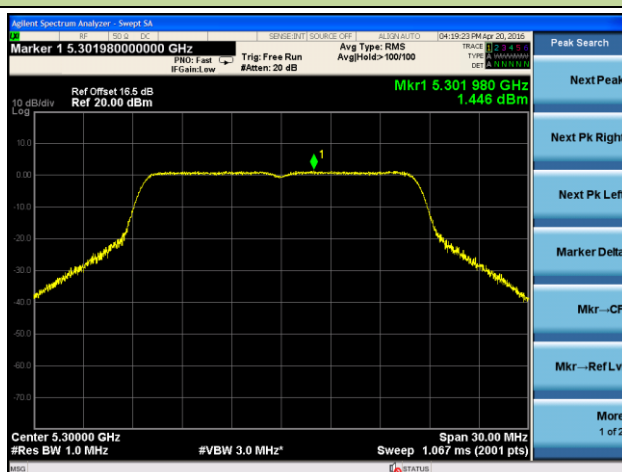
## Channel 48 (5240MHz)



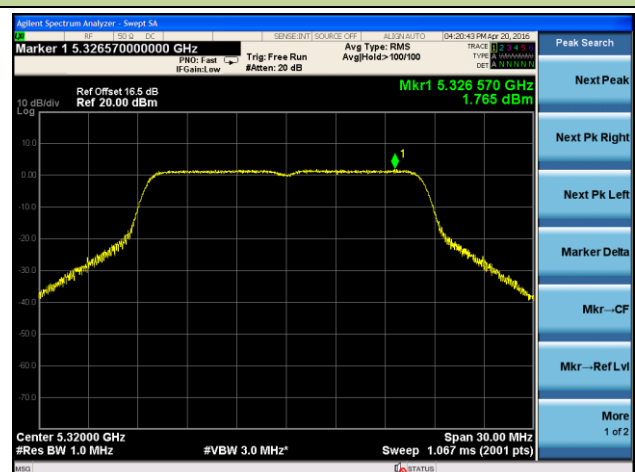
## Channel 52 (5260MHz)



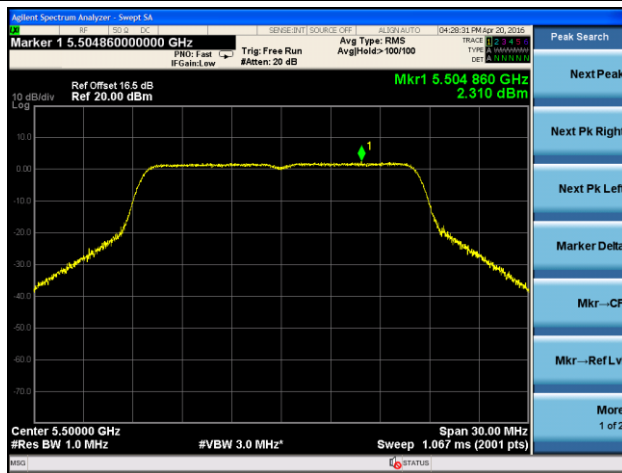
## Channel 60 (5300MHz)



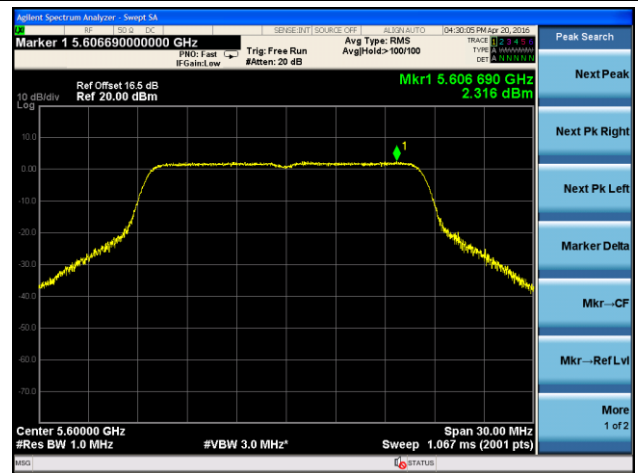
## Channel 64 (5320MHz)



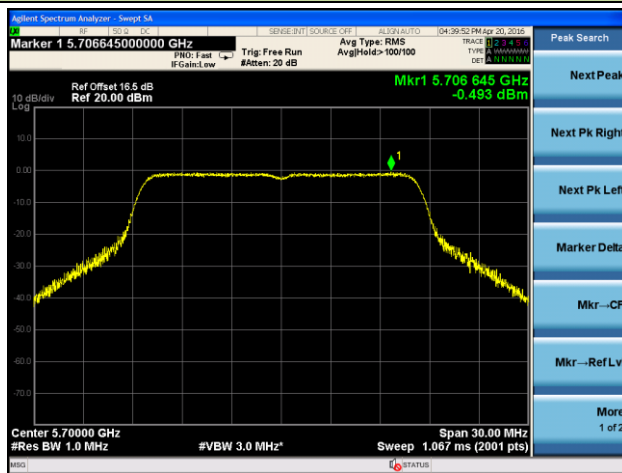
### Channel 100 (5500MHz)



### Channel 120 (5600MHz)



### Channel 140 (5700MHz)





## Radiated Spurious Emission Measurement

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	36	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6907.5	37.7	6.6	44.3	88.2	-43.9	Peak	Horizontal
*	10355.8	44.4	12.2	56.6	88.2	-31.6	Peak	Horizontal
	11455.0	35.3	12.7	48.0	74.0	-26.0	Peak	Horizontal
	15543.5	38.9	12.2	51.1	74.0	-22.9	Peak	Horizontal
*	6907.5	43.0	6.6	49.6	88.2	-38.6	Peak	Vertical
*	10361.6	45.0	12.2	57.2	88.2	-31.0	Peak	Vertical
	12067.0	35.7	12.0	47.7	74.0	-26.3	Peak	Vertical
	13376.0	35.8	13.7	49.5	74.0	-24.5	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	44	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6958.5	36.9	6.7	43.6	88.2	-44.6	Peak	Horizontal
*	10437.2	46.7	12.0	58.7	88.2	-29.5	Peak	Horizontal
	12186.0	35.9	11.7	47.6	74.0	-26.4	Peak	Horizontal
	15657.2	29.5	12.0	41.5	54.0	-12.5	Average	Horizontal
	15662.5	43.8	12.0	55.8	74.0	-18.2	Peak	Horizontal
*	6958.5	41.6	6.7	48.3	88.2	-39.9	Peak	Vertical
*	10441.6	46.7	12.0	58.7	88.2	-29.5	Peak	Vertical
	11404.0	35.7	12.6	48.3	74.0	-25.7	Peak	Vertical
	15654.0	39.2	12.0	51.2	74.0	-22.8	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	48	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7239.0	36.7	7.8	44.5	88.2	-43.7	Peak	Horizontal
*	10477.7	44.7	12.2	56.9	88.2	-31.3	Peak	Horizontal
	11531.5	35.8	12.7	48.5	74.0	-25.5	Peak	Horizontal
	15722.0	41.9	11.8	53.7	74.0	-20.3	Peak	Horizontal
*	6984.0	41.6	6.8	48.4	88.2	-39.8	Peak	Vertical
*	10481.7	45.1	12.3	57.4	88.2	-30.8	Peak	Vertical
	11344.5	35.4	12.5	47.9	74.0	-26.1	Peak	Vertical
	15713.5	36.0	11.8	47.8	74.0	-26.2	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	52	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8667.0	36.0	8.9	44.9	88.2	-43.3	Peak	Horizontal
*	10517.4	42.7	12.4	55.1	88.2	-33.1	Peak	Horizontal
	11251.0	34.3	12.4	46.7	74.0	-27.3	Peak	Horizontal
	15781.5	37.4	11.7	49.1	74.0	-24.9	Peak	Horizontal
*	8845.5	35.1	9.1	44.2	88.2	-44.0	Peak	Vertical
*	10521.6	42.7	12.4	55.1	88.2	-33.1	Peak	Vertical
	11548.5	34.4	12.7	47.1	74.0	-26.9	Peak	Vertical
	13322.5	33.0	13.4	46.4	74.0	-27.6	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	60	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8616.0	35.0	8.8	43.8	88.2	-44.4	Peak	Horizontal
*	10597.7	42.5	12.4	54.9	88.2	-33.3	Peak	Horizontal
	11177.2	33.3	12.6	45.9	74.0	-28.1	Peak	Horizontal
	13347.2	32.9	13.5	46.4	74.0	-27.6	Peak	Horizontal
*	6601.5	35.8	6.0	41.8	88.2	-46.4	Peak	Vertical
*	7069.0	40.2	7.2	47.4	88.2	-40.8	Peak	Vertical
	9177.0	34.0	10.0	44.0	74.0	-30.0	Peak	Vertical
	10601.6	40.1	12.4	52.5	74.0	-21.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	64	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6559.0	35.7	6.0	41.7	88.2	-46.5	Peak	Horizontal
*	9644.5	37.7	11.0	48.7	88.2	-39.5	Peak	Horizontal
	10639.7	40.4	12.3	52.7	74.0	-21.3	Peak	Horizontal
	11327.5	33.8	12.5	46.3	74.0	-27.7	Peak	Horizontal
*	6491.0	36.7	5.9	42.6	88.2	-45.6	Peak	Vertical
*	7876.5	35.2	8.4	43.6	88.2	-44.6	Peak	Vertical
	9304.5	34.7	10.4	45.1	74.0	-28.9	Peak	Vertical
	10639.0	41.2	12.3	53.5	74.0	-20.5	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	100	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7094.5	36.6	7.4	44.0	88.2	-44.2	Peak	Horizontal
*	9644.5	38.4	11.0	49.4	88.2	-38.8	Peak	Horizontal
	10995.4	38.2	13.0	51.2	74.0	-22.8	Peak	Horizontal
	12067.0	34.8	12.0	46.8	74.0	-27.2	Peak	Horizontal
*	6601.5	36.8	6.0	42.8	88.2	-45.4	Peak	Vertical
*	8726.5	34.9	9.0	43.9	88.2	-44.3	Peak	Vertical
	9338.5	33.8	10.4	44.2	74.0	-29.8	Peak	Vertical
	10996.0	36.4	13.0	49.4	74.0	-24.6	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	120	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6814.0	35.9	6.1	42.0	88.2	-46.2	Peak	Horizontal
*	7987.0	35.6	8.7	44.3	88.2	-43.9	Peak	Horizontal
	9466.0	35.2	10.5	45.7	74.0	-28.3	Peak	Horizontal
	11200.0	40.8	12.5	53.3	74.0	-20.7	Peak	Horizontal
*	6644.0	36.0	6.0	42.0	88.2	-46.2	Peak	Vertical
*	7868.0	35.2	8.4	43.6	88.2	-44.6	Peak	Vertical
	9372.5	34.8	10.5	45.3	74.0	-28.7	Peak	Vertical
	11038.5	35.3	12.9	48.2	74.0	-25.8	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)



Test Mode:	802.11a	Test Site:	AC1
Test Channel:	140	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	6610.0	36.0	6.0	42.0	88.2	-46.2	Peak	Horizontal
*	7808.5	35.6	8.4	44.0	88.2	-44.2	Peak	Horizontal
	9372.5	34.9	10.5	45.4	74.0	-28.6	Peak	Horizontal
	10911.0	34.0	13.0	47.0	74.0	-27.0	Peak	Horizontal
*	7137.0	35.9	7.7	43.6	88.2	-44.6	Peak	Vertical
*	7978.5	35.6	8.7	44.3	88.2	-43.9	Peak	Vertical
	9355.5	34.5	10.5	45.0	74.0	-29.0	Peak	Vertical
	10962.0	34.3	13.1	47.4	74.0	-26.6	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7392.0	36.6	7.9	44.5	74.0	-29.5	Peak	Horizontal
	11488.4	41.4	12.8	54.2	74.0	-19.8	Peak	Horizontal
	11488.4	29.5	12.8	42.3	54.0	-11.7	Average	Horizontal
*	14294.0	35.8	15.5	51.3	88.2	-36.9	Peak	Horizontal
*	17234.9	47.4	15.9	63.3	88.2	-24.9	Peak	Horizontal
	9143.0	34.6	9.8	44.4	74.0	-29.6	Peak	Vertical
	11488.7	37.9	12.8	50.7	74.0	-23.3	Peak	Vertical
*	14489.5	33.5	15.8	49.3	88.2	-38.9	Peak	Vertical
*	17239.0	42.1	15.9	58.0	88.2	-30.2	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9372.5	34.5	10.5	45.0	74.0	-29.0	Peak	Horizontal
	11564.9	37.6	12.7	50.3	74.0	-23.7	Peak	Horizontal
*	14175.0	34.7	15.3	50.0	88.2	-38.2	Peak	Horizontal
*	17352.0	47.8	16.9	64.7	88.2	-23.5	Peak	Horizontal
	8327.0	36.8	8.0	44.8	74.0	-29.2	Peak	Vertical
	11567.8	39.2	12.7	51.9	74.0	-22.1	Peak	Vertical
*	15033.5	35.2	14.6	49.8	88.2	-38.4	Peak	Vertical
*	17361.3	44.3	16.9	61.2	88.2	-27.0	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7502.5	34.7	8.3	43.0	74.0	-31.0	Peak	Horizontal
	11650.5	39.4	12.3	51.7	74.0	-22.3	Peak	Horizontal
*	14243.0	34.4	15.5	49.9	88.2	-38.3	Peak	Horizontal
*	17473.4	45.5	17.2	62.7	88.2	-25.5	Peak	Horizontal
	8046.5	35.3	8.8	44.1	74.0	-29.9	Peak	Vertical
	11649.7	43.2	12.3	55.5	74.0	-18.5	Peak	Vertical
	11649.7	32.4	12.3	44.7	54.0	-9.3	Average	Vertical
*	14600.0	35.1	15.7	50.8	88.2	-37.4	Peak	Vertical
*	17483.9	46.9	17.3	64.2	88.2	-24.0	Peak	Vertical

Note 1: “\*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

The End