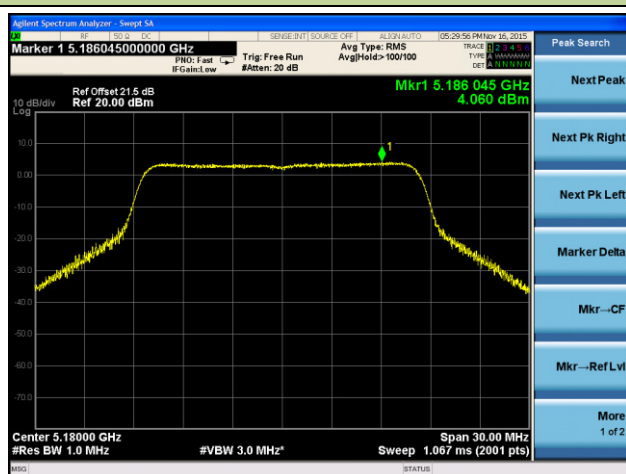
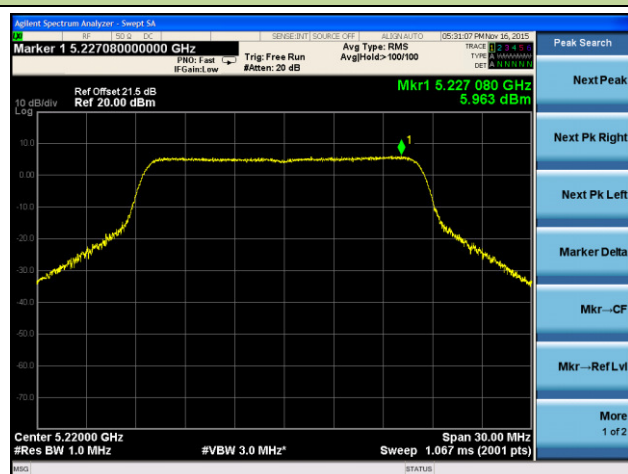


802.11a Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

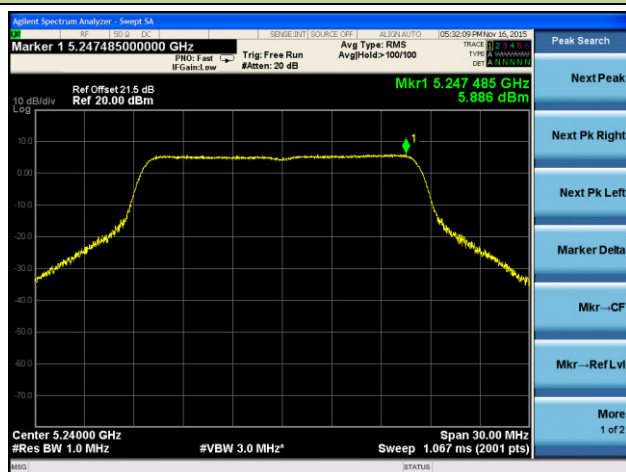
Channel 36 (5180MHz)



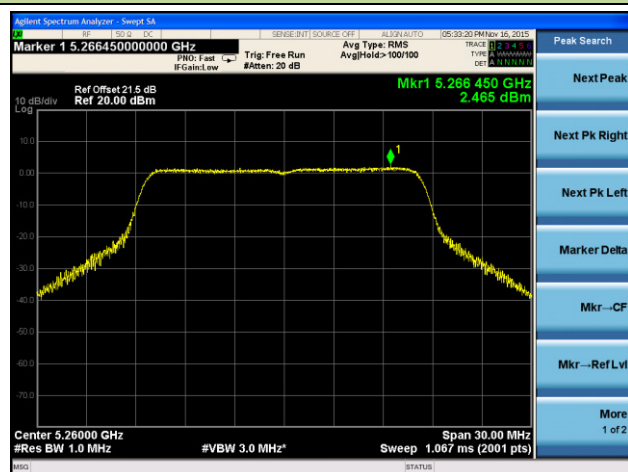
Channel 44 (5220MHz)



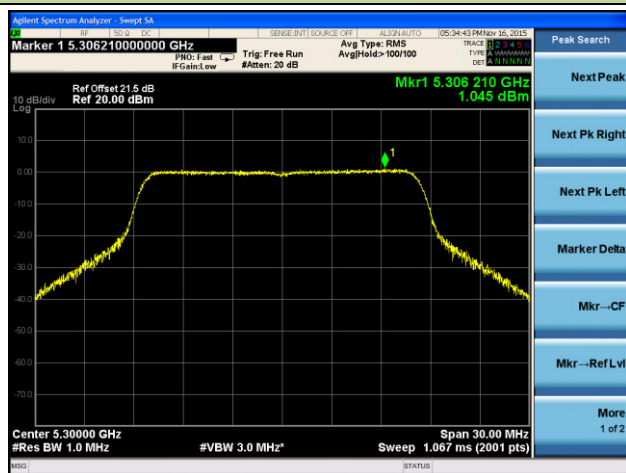
Channel 48 (5240MHz)



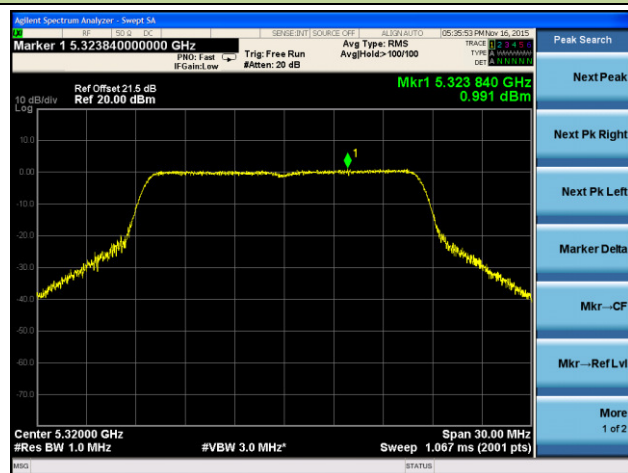
Channel 52 (5260MHz)



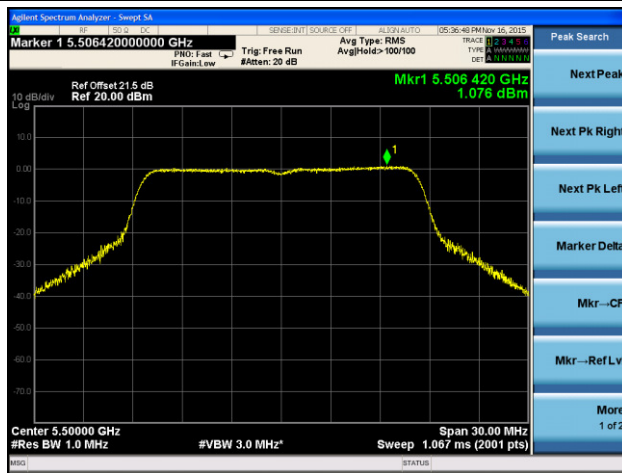
Channel 60 (5300MHz)



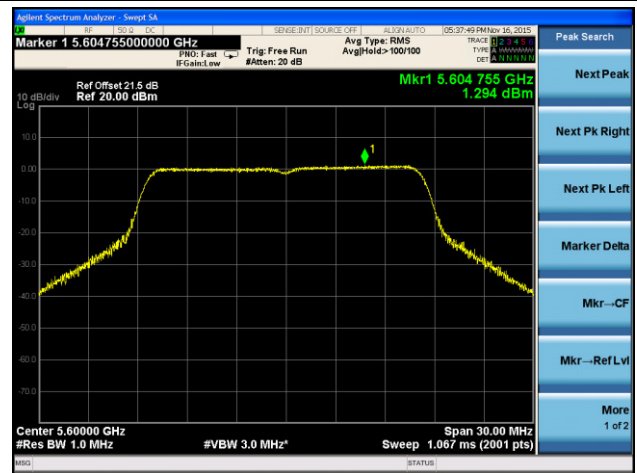
Channel 64 (5320MHz)



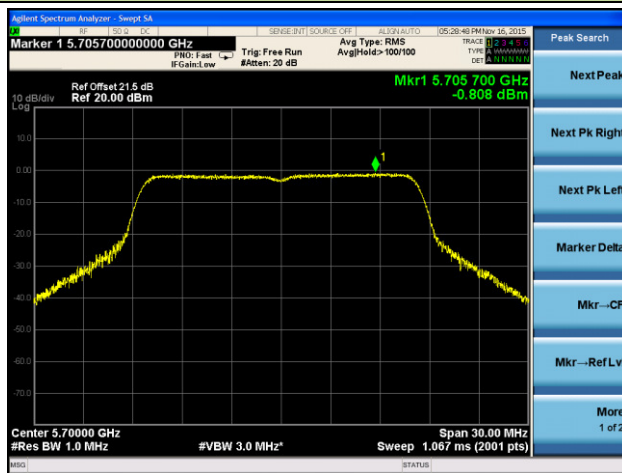
Channel 100 (5500MHz)



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

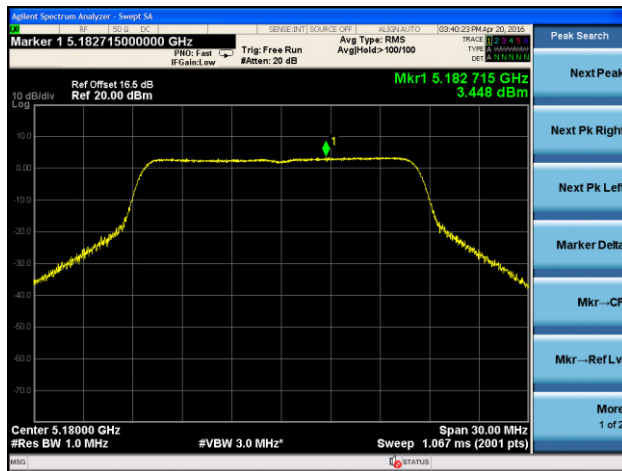
Power Spectral Density Measurement

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

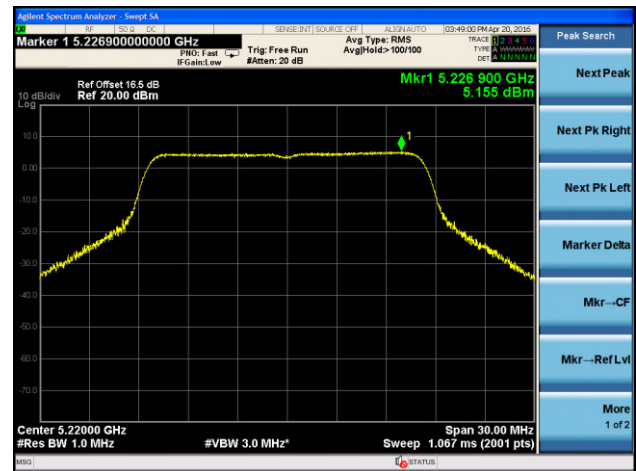
Note: When EUT duty cycle < 98%, the total PSD = $10 \cdot \log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\} + 10 \cdot \log(1/\text{duty cycle})$

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

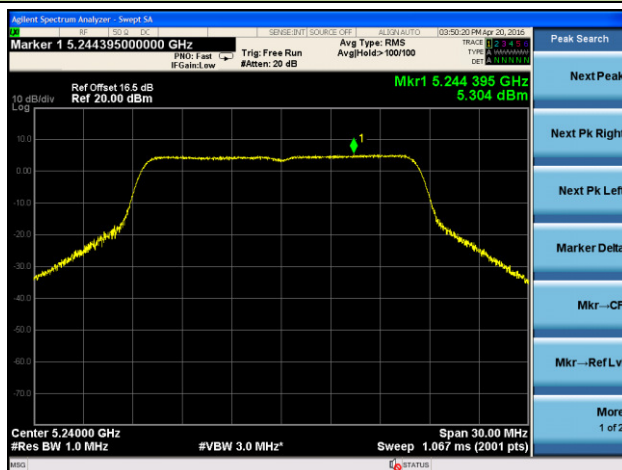
Channel 36 (5180MHz)



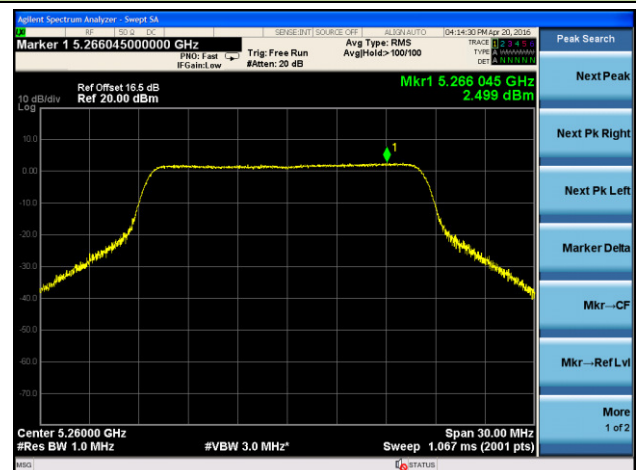
Channel 44 (5220MHz)



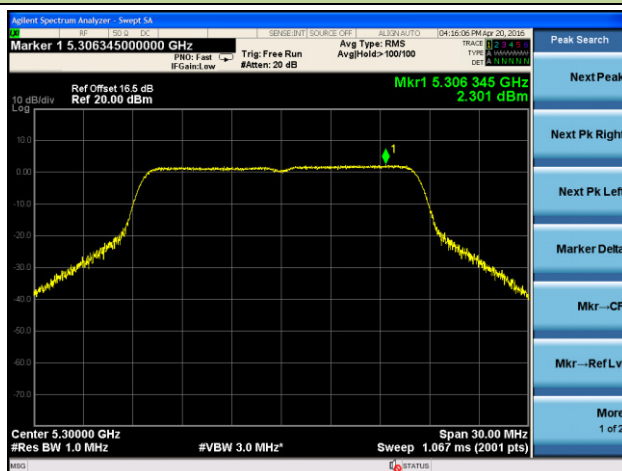
Channel 48 (5240MHz)



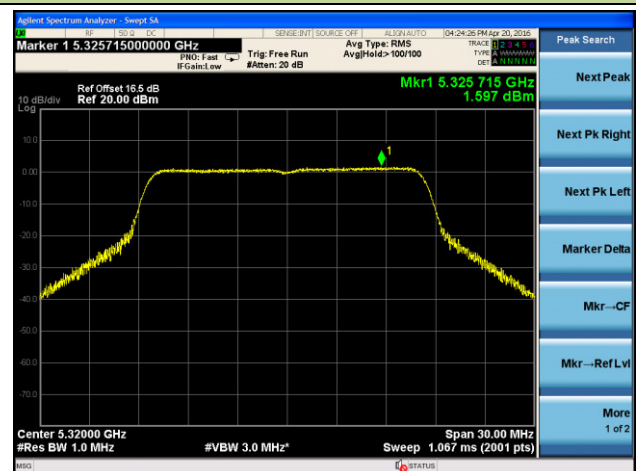
Channel 52 (5260MHz)



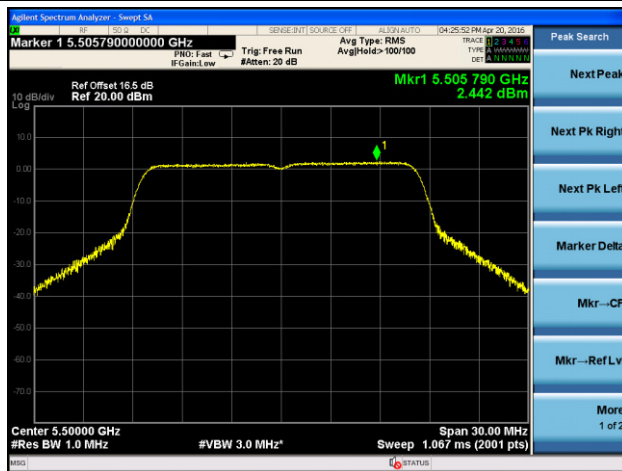
Channel 60 (5300MHz)



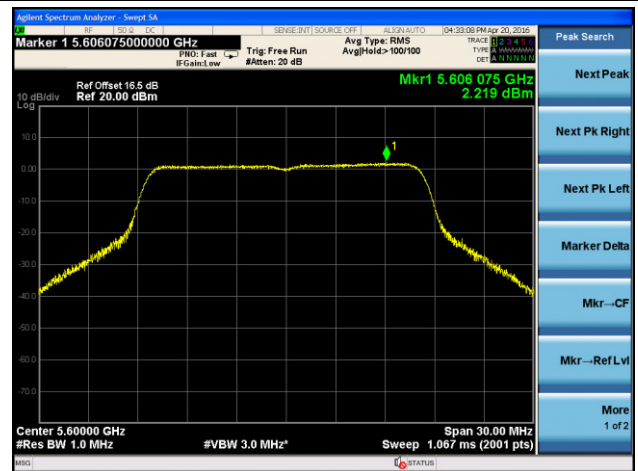
Channel 64 (5320MHz)



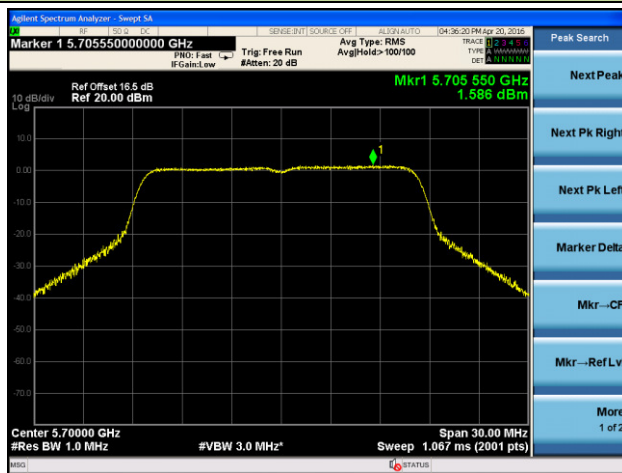
Channel 100 (5500MHz)



Channel 120 (5600MHz)

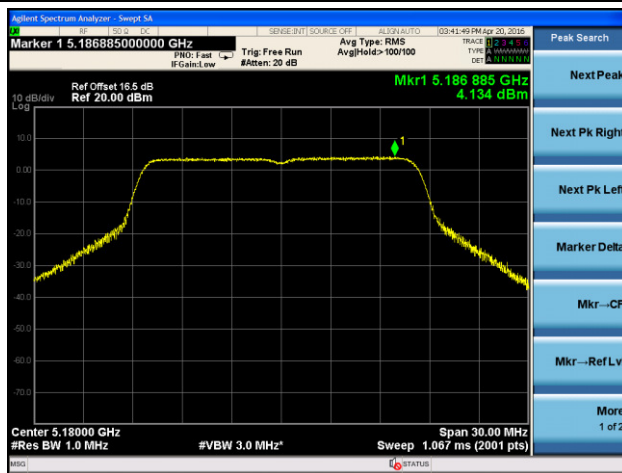


Channel 140 (5700MHz)

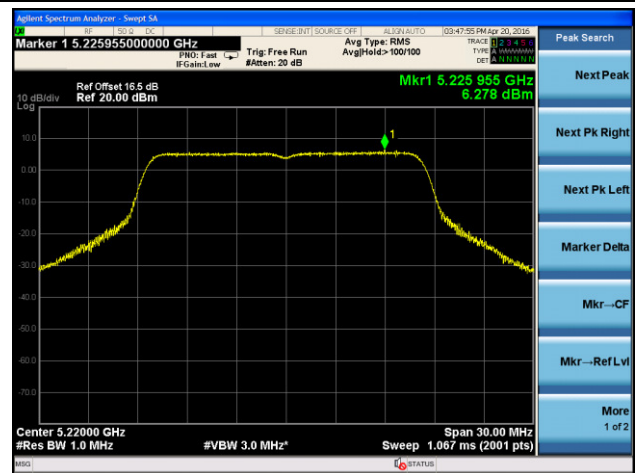


802.11a Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

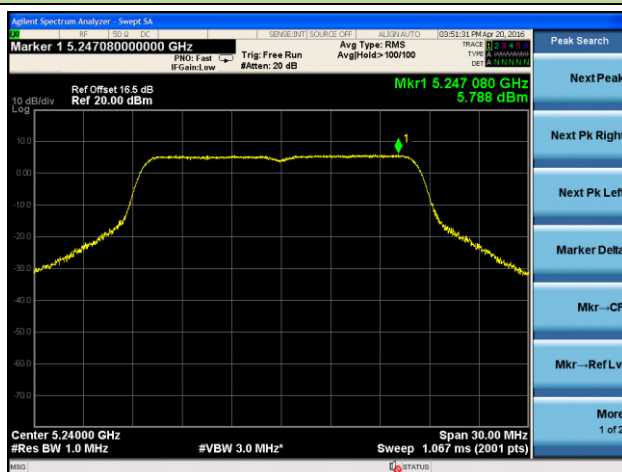
Channel 36 (5180MHz)



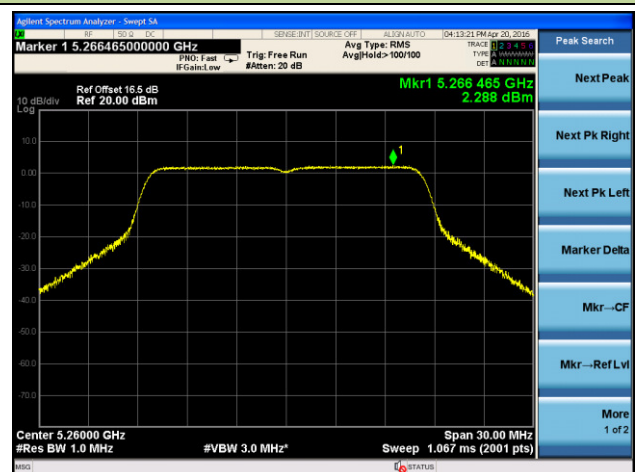
Channel 44 (5220MHz)



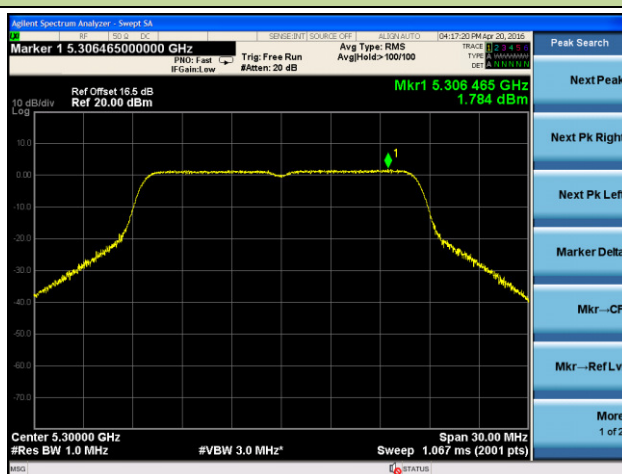
Channel 48 (5240MHz)



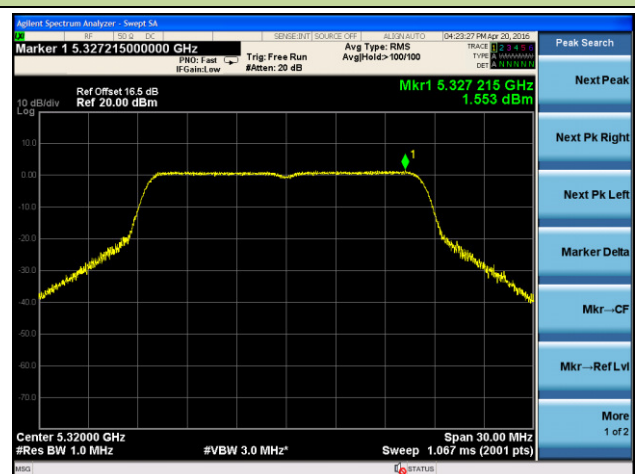
Channel 52 (5260MHz)



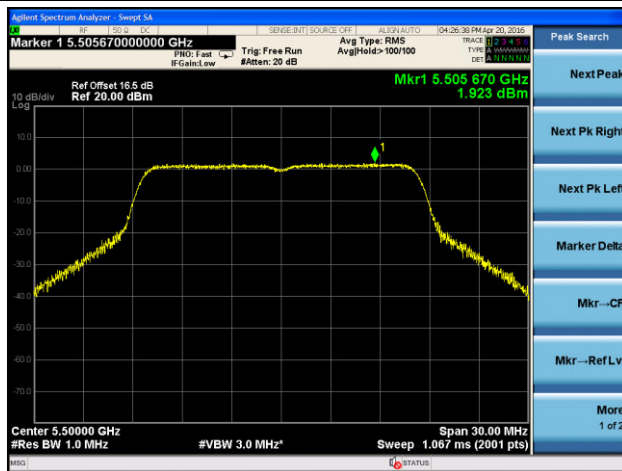
Channel 60 (5300MHz)



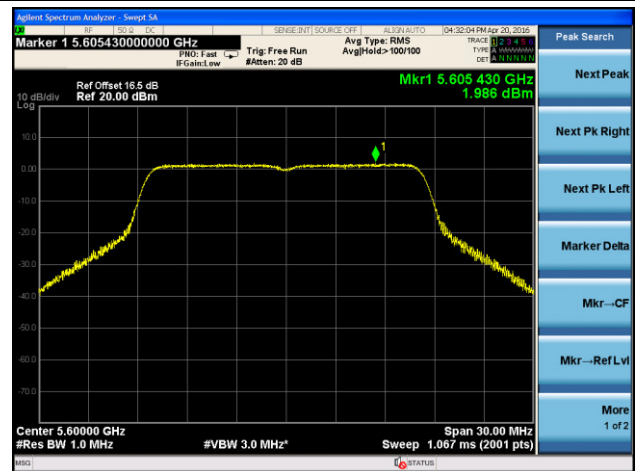
Channel 64 (5320MHz)



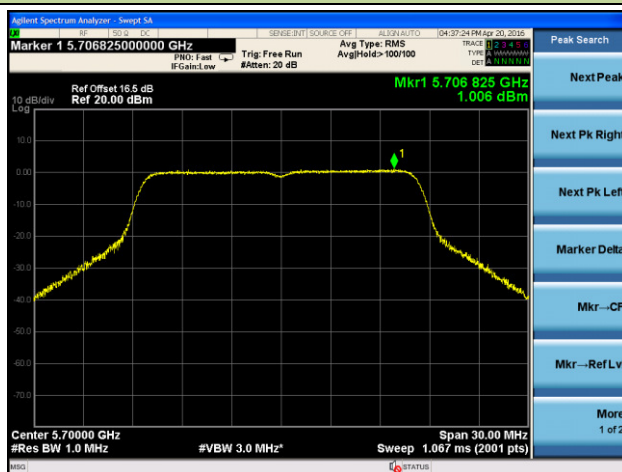
Channel 100 (5500MHz)



Channel 120 (5600MHz)

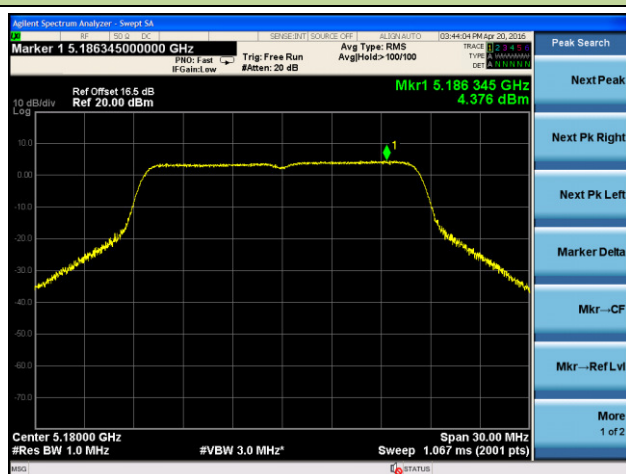


Channel 140 (5700MHz)

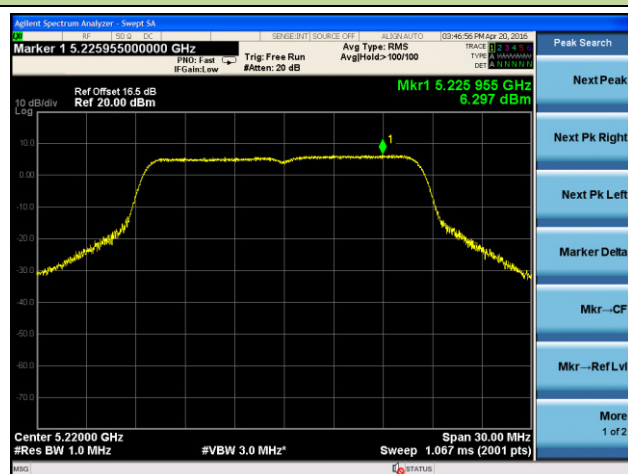


802.11a Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

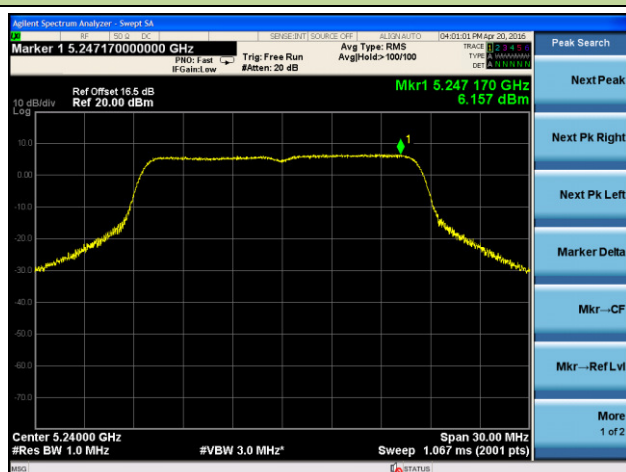
Channel 36 (5180MHz)



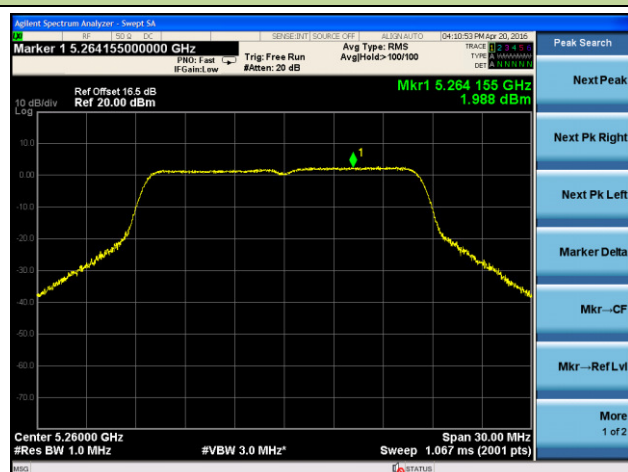
Channel 44 (5220MHz)



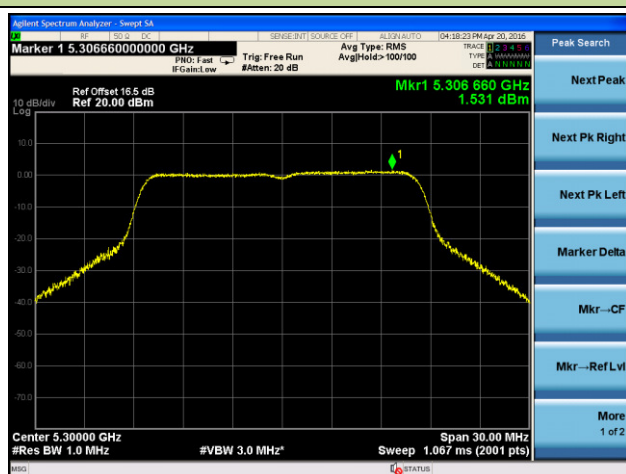
Channel 48 (5240MHz)



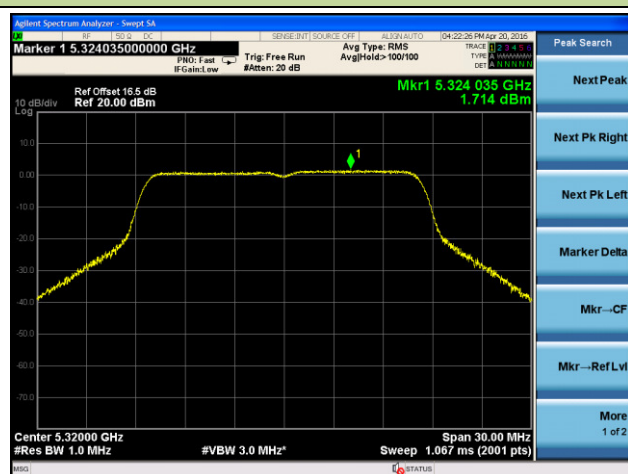
Channel 52 (5260MHz)



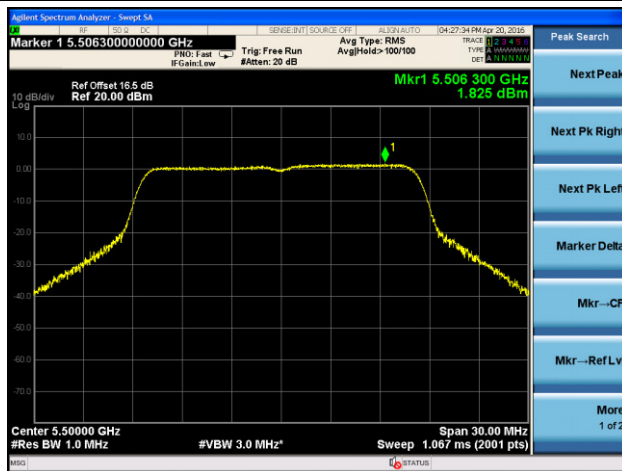
Channel 60 (5300MHz)



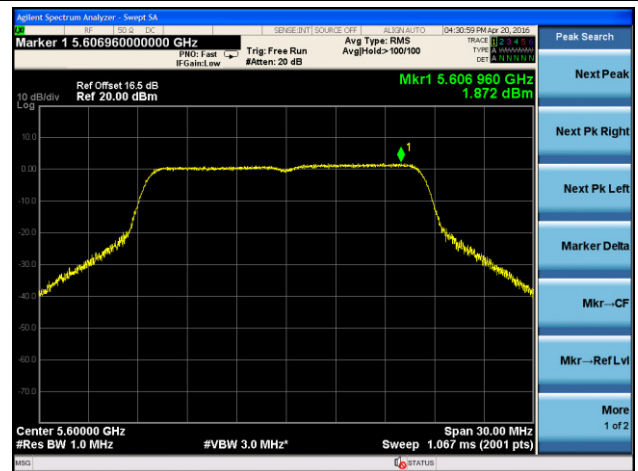
Channel 64 (5320MHz)



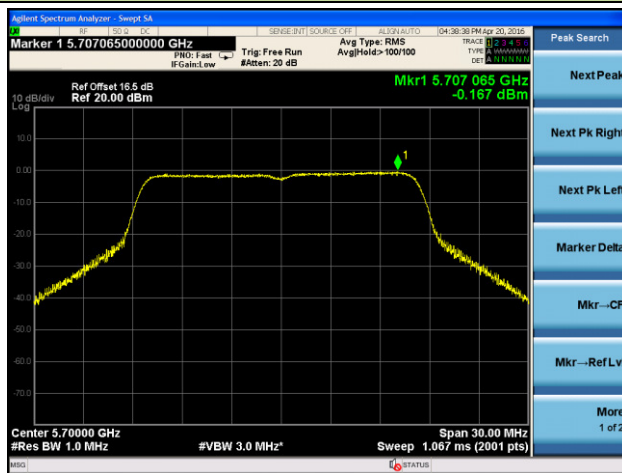
Channel 100 (5500MHz)



Channel 120 (5600MHz)

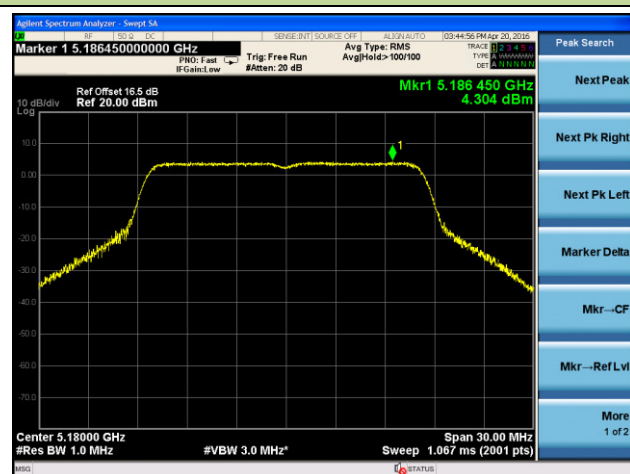


Channel 140 (5700MHz)

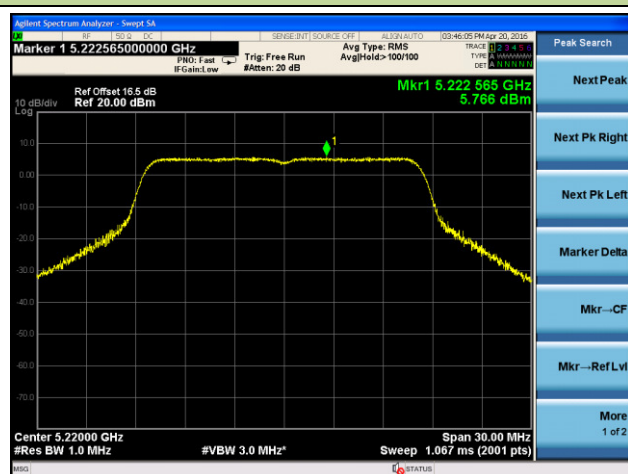


802.11a Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

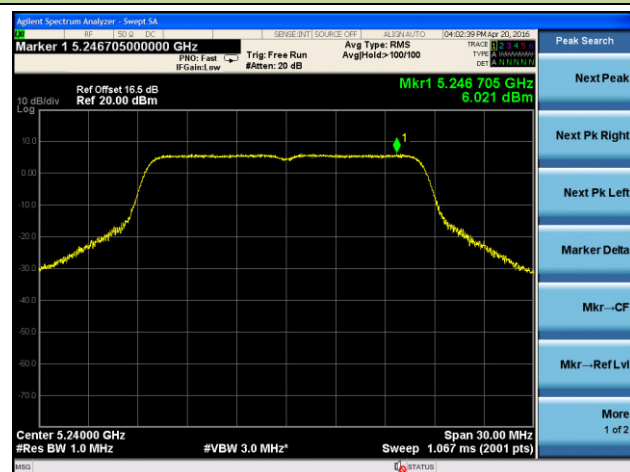
Channel 36 (5180MHz)



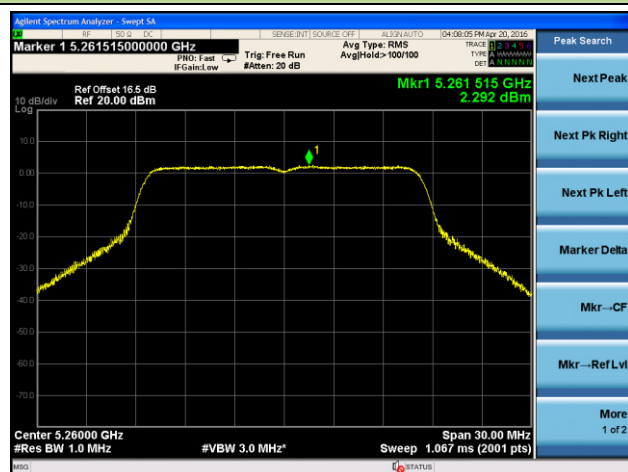
Channel 44 (5220MHz)



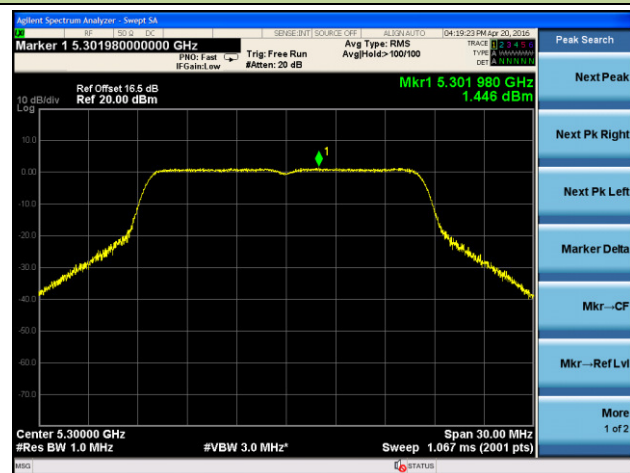
Channel 48 (5240MHz)



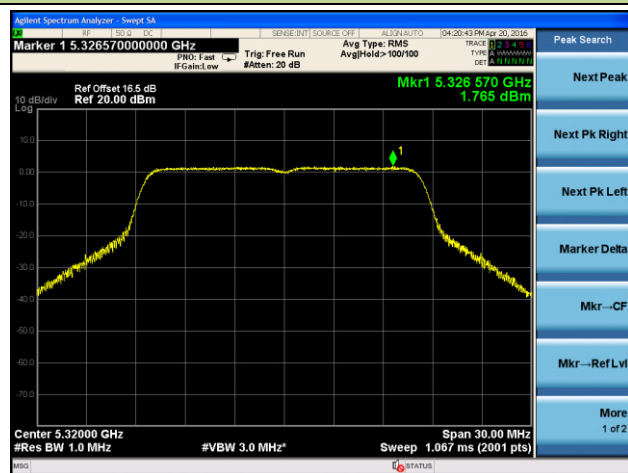
Channel 52 (5260MHz)



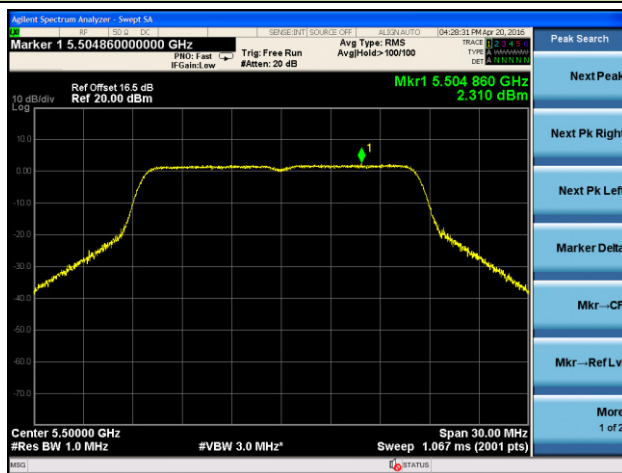
Channel 60 (5300MHz)



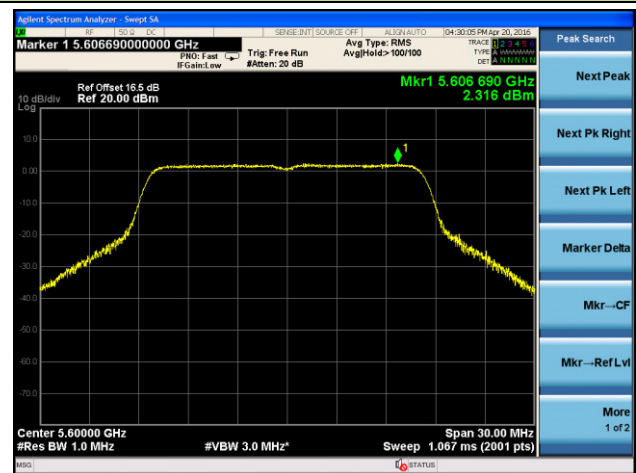
Channel 64 (5320MHz)



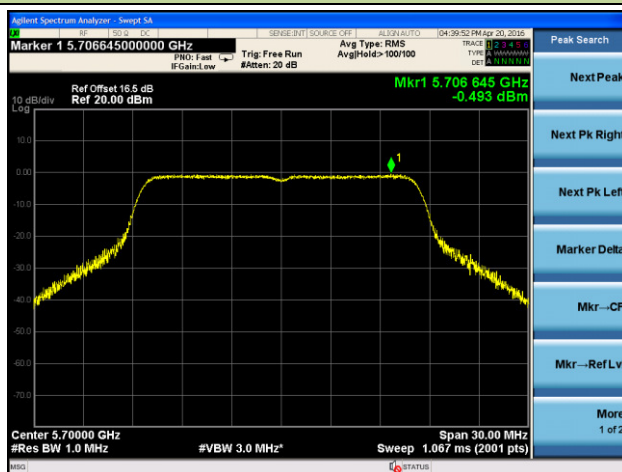
Channel 100 (5500MHz)



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