



Appendix A. Radiated Spurious Emission

Test Engineer :	Ken Wu, Jesse Wang, and James Chiu	Temperature :	21~24°C
		Relative Humidity :	50~54%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 149 5745MHz		5638	50.26	-17.94	68.2	38.84	34.6	11.95	35.13	380	242	P	H	
		5666.2	50.05	-30.17	80.22	38.58	34.6	12	35.13	380	242	P	H	
		5716.4	51.25	-58.54	109.79	39.73	34.6	12.06	35.14	380	242	P	H	
		5725	54.33	-67.87	122.2	42.81	34.6	12.06	35.14	380	242	P	H	
	*	5745	102.05	-	-	90.49	34.6	12.11	35.15	380	242	P	H	
	*	5745	93.98	-	-	82.42	34.6	12.11	35.15	380	242	A	H	
														H
														H
			5641	52.99	-15.21	68.2	41.57	34.6	11.95	35.13	299	84	P	V
			5681.4	52.7	-38.77	91.47	41.24	34.6	12	35.14	299	84	P	V
			5720	56.92	-53.88	110.8	45.4	34.6	12.06	35.14	299	84	P	V
			5724.2	62.75	-57.63	120.38	51.23	34.6	12.06	35.14	299	84	P	V
	*		5745	108.36	-	-	96.8	34.6	12.11	35.15	299	84	P	V
	*		5745	100.16	-	-	88.6	34.6	12.11	35.15	299	84	A	V
														V
														V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5609.4	49.8	-18.4	68.2	38.43	34.6	11.89	35.12	380	36	P	H
		5685.2	49.65	-44.63	94.28	38.19	34.6	12	35.14	380	36	P	H
		5719.6	50.24	-60.45	110.69	38.72	34.6	12.06	35.14	380	36	P	H
		5723.4	49.62	-68.93	118.55	38.1	34.6	12.06	35.14	380	36	P	H
	*	5785	101.08	-	-	89.47	34.6	12.17	35.16	380	36	P	H
	*	5785	92.63	-	-	81.02	34.6	12.17	35.16	380	36	A	H
		5853	49.69	-65.67	115.36	37.98	34.6	12.28	35.17	380	36	P	H
		5856.8	50.2	-60.1	110.3	38.49	34.6	12.28	35.17	380	36	P	H
		5900	50.24	-36.42	86.66	38.44	34.6	12.39	35.19	380	36	P	H
		5926.4	49.79	-18.41	68.2	37.87	34.6	12.51	35.19	380	36	P	H
													H
													H
802.11a													
CH 157													
5785MHz		5626.6	53.56	-14.64	68.2	42.13	34.6	11.95	35.12	309	82	P	V
		5687.6	52.99	-43.06	96.05	41.53	34.6	12	35.14	309	82	P	V
		5707.2	52.53	-54.69	107.22	41.01	34.6	12.06	35.14	309	82	P	V
		5724.6	50.82	-70.47	121.29	39.3	34.6	12.06	35.14	309	82	P	V
	*	5785	108.41	-	-	96.8	34.6	12.17	35.16	309	82	P	V
	*	5785	100.54	-	-	88.93	34.6	12.17	35.16	309	82	A	V
		5852.2	51.44	-65.74	117.18	39.73	34.6	12.28	35.17	309	82	P	V
		5855.6	52.09	-58.54	110.63	40.38	34.6	12.28	35.17	309	82	P	V
		5882	52.13	-47.87	100	40.32	34.6	12.39	35.18	309	82	P	V
		5944.6	52.4	-15.8	68.2	40.38	34.6	12.62	35.2	309	82	P	V
													V
													V



WiFi Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 165 5825MHz	*	5825	100.31	-	-	88.6	34.6	12.28	35.17	380	221	P	H	
	*	5825	92.26	-	-	80.55	34.6	12.28	35.17	380	221	A	H	
		5850.4	51.76	-69.53	121.29	40.05	34.6	12.28	35.17	380	221	P	H	
		5858.8	49.84	-59.89	109.73	38.14	34.6	12.28	35.18	380	221	P	H	
		5876.2	50.05	-54.26	104.31	38.24	34.6	12.39	35.18	380	221	P	H	
		5942.2	49.81	-18.39	68.2	37.79	34.6	12.62	35.2	380	221	P	H	
														H
														H
	*	5825	108.28	-	-	96.57	34.6	12.28	35.17	304	84	P	V	
	*	5825	100.01	-	-	88.3	34.6	12.28	35.17	304	84	A	V	
		5853.2	56.02	-58.88	114.9	44.31	34.6	12.28	35.17	304	84	P	V	
		5855.4	55.1	-55.59	110.69	43.39	34.6	12.28	35.17	304	84	P	V	
		5881.8	52.67	-47.48	100.15	40.86	34.6	12.39	35.18	304	84	P	V	
		5941	51.3	-16.9	68.2	39.28	34.6	12.62	35.2	304	84	P	V	
														V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11490	42.74	-31.26	74	43.65	39.27	17.16	57.34	100	0	P	H
		17235	49.16	-19.04	68.2	41.86	42.43	20.76	55.89	100	0	P	H
													H
													H
		11490	42.85	-31.15	74	43.76	39.27	17.16	57.34	100	0	P	V
		17235	54.67	-13.53	68.2	47.37	42.43	20.76	55.89	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11570	41.87	-32.13	74	42.7	39.2	17.16	57.19	100	0	P	H
		17355	49.16	-19.04	68.2	42.02	42.24	20.84	55.94	100	0	P	H
													H
													H
		11570	41.62	-32.38	74	42.45	39.2	17.16	57.19	100	0	P	V
		17355	54.08	-14.12	68.2	46.94	42.24	20.84	55.94	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11650	41.41	-32.59	74	42.22	39.11	17.16	57.08	100	0	P	H
		17475	45.59	-22.61	68.2	38.6	42.05	20.93	55.99	100	0	P	H
													H
													H
		11650	41.07	-32.93	74	41.88	39.11	17.16	57.08	100	0	P	V
		17475	50.39	-17.81	68.2	43.4	42.05	20.93	55.99	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 149 5745MHz		5615.8	49.69	-18.51	68.2	38.32	34.6	11.89	35.12	380	242	P	H	
		5654.4	50.06	-21.41	71.47	38.64	34.6	11.95	35.13	380	242	P	H	
		5716.2	51.91	-57.83	109.74	40.39	34.6	12.06	35.14	380	242	P	H	
		5724.2	55.11	-65.27	120.38	43.59	34.6	12.06	35.14	380	242	P	H	
	*	5745	102.26	-	-	90.7	34.6	12.11	35.15	380	242	P	H	
	*	5745	94.11	-	-	82.55	34.6	12.11	35.15	380	242	A	H	
														H
														H
			5646.8	52.97	-15.23	68.2	41.55	34.6	11.95	35.13	299	84	P	V
			5687.6	53.36	-42.69	96.05	41.9	34.6	12	35.14	299	84	P	V
			5719.4	56.67	-53.96	110.63	45.15	34.6	12.06	35.14	299	84	P	V
			5723.4	61.03	-57.52	118.55	49.51	34.6	12.06	35.14	299	84	P	V
	*		5745	108.23	-	-	96.67	34.6	12.11	35.15	299	84	P	V
	*		5745	100.18	-	-	88.62	34.6	12.11	35.15	299	84	A	V
														V
														V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5625	48.97	-19.23	68.2	37.54	34.6	11.95	35.12	380	36	P	H
		5657	49.85	-23.55	73.4	38.43	34.6	11.95	35.13	380	36	P	H
		5707.4	49.85	-57.42	107.27	38.33	34.6	12.06	35.14	380	36	P	H
		5723.8	49.61	-69.85	119.46	38.09	34.6	12.06	35.14	380	36	P	H
	*	5785	99.62	-	-	88.01	34.6	12.17	35.16	380	36	P	H
	*	5785	91.75	-	-	80.14	34.6	12.17	35.16	380	36	A	H
		5853.2	49.5	-65.4	114.9	37.79	34.6	12.28	35.17	380	36	P	H
		5869.2	49.47	-57.35	106.82	37.66	34.6	12.39	35.18	380	36	P	H
		5910	49.91	-29.36	79.27	37.99	34.6	12.51	35.19	380	36	P	H
		5945.6	50.06	-18.14	68.2	38.04	34.6	12.62	35.2	380	36	P	H
802.11n													H
HT20													H
CH 157		5622.8	51.78	-16.42	68.2	40.35	34.6	11.95	35.12	309	82	P	V
5785MHz		5678	52.7	-36.26	88.96	41.23	34.6	12	35.13	309	82	P	V
		5713.2	51.68	-57.22	108.9	40.16	34.6	12.06	35.14	309	82	P	V
		5722.4	50.25	-66.02	116.27	38.73	34.6	12.06	35.14	309	82	P	V
	*	5785	107.69	-	-	96.08	34.6	12.17	35.16	309	82	P	V
	*	5785	99.77	-	-	88.16	34.6	12.17	35.16	309	82	A	V
		5854.4	51.21	-60.96	112.17	39.5	34.6	12.28	35.17	309	82	P	V
		5870.4	51.73	-54.76	106.49	39.92	34.6	12.39	35.18	309	82	P	V
		5883.2	52.24	-46.87	99.11	40.43	34.6	12.39	35.18	309	82	P	V
		5937.2	51.17	-17.03	68.2	39.26	34.6	12.51	35.2	309	82	P	V
													V
													V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 165 5825MHz	*	5825	99.47	-	-	87.76	34.6	12.28	35.17	380	221	P	H	
	*	5825	91.6	-	-	79.89	34.6	12.28	35.17	380	221	A	H	
		5852.2	52.92	-64.26	117.18	41.21	34.6	12.28	35.17	380	221	P	H	
		5856.6	51.09	-59.26	110.35	39.38	34.6	12.28	35.17	380	221	P	H	
		5891.4	49.61	-43.42	93.03	37.81	34.6	12.39	35.19	380	221	P	H	
		5937.4	50.17	-18.03	68.2	38.26	34.6	12.51	35.2	380	221	P	H	
														H
														H
	*	5825	107.49	-	-	95.78	34.6	12.28	35.17	304	84	P	V	
	*	5825	99.28	-	-	87.57	34.6	12.28	35.17	304	84	A	V	
		5852	59.77	-57.87	117.64	48.06	34.6	12.28	35.17	304	84	P	V	
		5857	55.76	-54.48	110.24	44.05	34.6	12.28	35.17	304	84	P	V	
		5902.8	52.67	-31.92	84.59	40.75	34.6	12.51	35.19	304	84	P	V	
		5931.6	50.34	-17.86	68.2	38.42	34.6	12.51	35.19	304	84	P	V	
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		11490	41.96	-32.04	74	42.87	39.27	17.16	57.34	100	0	P	H
		17235	47.75	-20.45	68.2	40.45	42.43	20.76	55.89	100	0	P	H
													H
													H
		11490	42.71	-31.29	74	43.62	39.27	17.16	57.34	100	0	P	V
		17235	53.95	-14.25	68.2	46.65	42.43	20.76	55.89	100	0	P	V
													V
													V
802.11n HT20 CH 157 5785MHz		11570	41.98	-32.02	74	42.81	39.2	17.16	57.19	100	0	P	H
		17355	48.31	-19.89	68.2	41.17	42.24	20.84	55.94	100	0	P	H
													H
													H
		11570	41.62	-32.38	74	42.45	39.2	17.16	57.19	100	0	P	V
		17355	53.57	-14.63	68.2	46.43	42.24	20.84	55.94	100	0	P	V
													V
													V
802.11n HT20 CH 165 5825MHz		11650	41.41	-32.59	74	42.22	39.11	17.16	57.08	100	0	P	H
		17475	46.31	-21.89	68.2	39.32	42.05	20.93	55.99	100	0	P	H
													H
													H
		11650	42.01	-31.99	74	42.82	39.11	17.16	57.08	100	0	P	V
		17475	50.16	-18.04	68.2	43.17	42.05	20.93	55.99	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5621.2	50.05	-18.15	68.2	38.62	34.6	11.95	35.12	380	242	P	H
		5694.2	50.18	-50.74	100.92	38.72	34.6	12	35.14	380	242	P	H
		5716.8	54.49	-55.42	109.91	42.97	34.6	12.06	35.14	380	242	P	H
		5723.6	55.85	-63.16	119.01	44.33	34.6	12.06	35.14	380	242	P	H
	*	5755	99.69	-	-	88.13	34.6	12.11	35.15	380	242	P	H
	*	5755	91.59	-	-	80.03	34.6	12.11	35.15	380	242	A	H
		5850.8	48.88	-71.5	120.38	37.17	34.6	12.28	35.17	380	242	P	H
		5867.6	50.5	-56.77	107.27	38.69	34.6	12.39	35.18	380	242	P	H
		5898	50.17	-37.97	88.14	38.37	34.6	12.39	35.19	380	242	P	H
		5941.8	49.4	-18.8	68.2	37.38	34.6	12.62	35.2	380	242	P	H
802.11n													H
HT40													H
CH 151		5650	52.51	-15.69	68.2	41.09	34.6	11.95	35.13	300	92	P	V
5755MHz		5693.6	56.98	-43.5	100.48	45.52	34.6	12	35.14	300	92	P	V
		5719.4	62.56	-48.07	110.63	51.04	34.6	12.06	35.14	300	92	P	V
		5724.6	61.53	-59.76	121.29	50.01	34.6	12.06	35.14	300	92	P	V
	*	5755	105.38	-	-	93.82	34.6	12.11	35.15	300	92	P	V
	*	5755	97.46	-	-	85.9	34.6	12.11	35.15	300	92	A	V
		5851.6	52.01	-66.54	118.55	40.3	34.6	12.28	35.17	300	92	P	V
		5866.2	52.47	-55.19	107.66	40.66	34.6	12.39	35.18	300	92	P	V
		5915.4	52.18	-23.1	75.28	40.26	34.6	12.51	35.19	300	92	P	V
		5935.2	50.71	-17.49	68.2	38.8	34.6	12.51	35.2	300	92	P	V
													V
													V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5604.8	49.53	-18.67	68.2	38.16	34.6	11.89	35.12	313	348	P	H
		5651.2	48.8	-20.29	69.09	37.38	34.6	11.95	35.13	313	348	P	H
		5718.8	48.97	-61.49	110.46	37.45	34.6	12.06	35.14	313	348	P	H
		5724.6	48.29	-73	121.29	36.77	34.6	12.06	35.14	313	348	P	H
	*	5795	97.63	-	-	86.02	34.6	12.17	35.16	313	348	P	H
	*	5795	89.39	-	-	77.78	34.6	12.17	35.16	313	348	A	H
		5854.8	50.17	-61.09	111.26	38.46	34.6	12.28	35.17	313	348	P	H
		5861.4	49.61	-59.4	109.01	37.8	34.6	12.39	35.18	313	348	P	H
		5901	50.48	-35.44	85.92	38.56	34.6	12.51	35.19	313	348	P	H
		5925	49.93	-18.27	68.2	38.01	34.6	12.51	35.19	313	348	P	H
802.11n													H
HT40													H
CH 159		5646.6	51.62	-16.58	68.2	40.2	34.6	11.95	35.13	308	89	P	V
5795MHz		5695.2	52.62	-49.04	101.66	41.16	34.6	12	35.14	308	89	P	V
		5712.4	52.41	-56.26	108.67	40.89	34.6	12.06	35.14	308	89	P	V
		5722.8	52.23	-64.95	117.18	40.71	34.6	12.06	35.14	308	89	P	V
	*	5795	105.36	-	-	93.75	34.6	12.17	35.16	308	89	P	V
	*	5795	97.35	-	-	85.74	34.6	12.17	35.16	308	89	A	V
		5850.4	54.04	-67.25	121.29	42.33	34.6	12.28	35.17	308	89	P	V
		5863.8	53.1	-55.23	108.33	41.29	34.6	12.39	35.18	308	89	P	V
		5880.6	52.08	-48.96	101.04	40.27	34.6	12.39	35.18	308	89	P	V
		5948.8	50.97	-17.23	68.2	38.95	34.6	12.62	35.2	308	89	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz		11510	43.24	-30.76	74	44.08	39.3	17.16	57.3	100	0	P	H
		17265	47.26	-20.94	68.2	40.01	42.37	20.79	55.91	100	0	P	H
													H
													H
		11510	42.94	-31.06	74	43.78	39.3	17.16	57.3	100	0	P	V
		17265	50.09	-18.11	68.2	42.84	42.37	20.79	55.91	100	0	P	V
													V
													V
802.11n HT40 CH 159 5795MHz		11590	42.49	-31.51	74	43.31	39.18	17.16	57.16	100	0	P	H
		17385	44.58	-23.62	68.2	37.47	42.19	20.87	55.95	100	0	P	H
													H
													H
		11590	41.84	-32.16	74	42.66	39.18	17.16	57.16	100	0	P	V
		17385	48.71	-19.49	68.2	41.6	42.19	20.87	55.95	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5629.8	51.25	-16.95	68.2	39.83	34.6	11.95	35.13	380	241	P	H
		5690.4	52.43	-45.69	98.12	40.97	34.6	12	35.14	380	241	P	H
		5720	55.42	-55.38	110.8	43.9	34.6	12.06	35.14	380	241	P	H
		5724.6	56.31	-64.98	121.29	44.79	34.6	12.06	35.14	380	241	P	H
	*	5775	95.76	-	-	84.21	34.6	12.11	35.16	380	241	P	H
	*	5775	87.51	-	-	75.96	34.6	12.11	35.16	380	241	A	H
		5853.2	57.08	-57.82	114.9	45.37	34.6	12.28	35.17	380	241	P	H
		5856.8	57.7	-52.6	110.3	45.99	34.6	12.28	35.17	380	241	P	H
		5877.4	50.52	-52.9	103.42	38.71	34.6	12.39	35.18	380	241	P	H
		5935.4	50.43	-17.77	68.2	38.52	34.6	12.51	35.2	380	241	P	H
802.11ac													H
VHT80													H
CH 155		5644.2	57.33	-10.87	68.2	45.91	34.6	11.95	35.13	310	81	P	V
5775MHz		5699.4	61.14	-43.62	104.76	49.68	34.6	12	35.14	310	81	P	V
		5717.6	62.03	-48.1	110.13	50.51	34.6	12.06	35.14	310	81	P	V
		5724.2	61.18	-59.2	120.38	49.66	34.6	12.06	35.14	310	81	P	V
	*	5775	101.91	-	-	90.36	34.6	12.11	35.16	310	81	P	V
	*	5775	93.58	-	-	82.03	34.6	12.11	35.16	310	81	A	V
		5852.6	63.93	-52.34	116.27	52.22	34.6	12.28	35.17	310	81	P	V
		5861.2	60.54	-48.52	109.06	48.73	34.6	12.39	35.18	310	81	P	V
		5876.4	53.71	-50.45	104.16	41.9	34.6	12.39	35.18	310	81	P	V
		5933	52.22	-15.98	68.2	40.3	34.6	12.51	35.19	310	81	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 155 5775MHz		11550	42.24	-31.76	74	43.07	39.23	17.16	57.22	100	0	P	H	
		17325	46.43	-21.77	68.2	39.26	42.29	20.81	55.93	100	0	P	H	
													H	
													H	
			11550	41.86	-32.14	74	42.69	39.23	17.16	57.22	100	0	P	V
			17325	49.9	-18.3	68.2	42.73	42.29	20.81	55.93	100	0	P	V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
5GHz 802.11ac VHT80 LF		30	27.46	-12.54	40	31.74	26	1.07	31.35	100	0	P	H	
		49.17	26.14	-13.86	40	41.15	15.52	1.07	31.6	-	-	P	H	
		187.68	29.07	-14.43	43.5	43.21	15.48	1.87	31.49	-	-	P	H	
		447	24.89	-21.11	46	30.04	23.06	2.89	31.1	-	-	P	H	
		734	29.6	-16.4	46	29.59	26.95	3.74	30.68	-	-	P	H	
		949.6	33.09	-12.91	46	29.35	30.2	4.07	30.53	-	-	P	H	
														H
														H
														H
														H
														H
														H
														H
			35.67	33.75	-6.25	40	41.39	22.72	1.07	31.43	100	75	P	V
			49.98	25.46	-14.54	40	40.89	15.1	1.07	31.6	-	-	P	V
			63.21	27.02	-12.98	40	45.11	12.21	1.28	31.58	-	-	P	V
			484.8	26.2	-19.8	46	30.34	23.86	3.04	31.04	-	-	P	V
			805.4	31.59	-14.41	46	30.48	27.8	3.9	30.59	-	-	P	V
			949.6	33.39	-12.61	46	29.65	30.2	4.07	30.53	-	-	P	V
														V
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

- Level(dBμV/m) =
Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
- Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

- Level(dBμV/m)
= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
- Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

- Level(dBμV/m)
= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
- Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.