



Appendix B. Radiated Spurious Emission

Test Engineer :	Elvis Chen, Stan Hsieh, Karl Hou, and Lewis He	Temperature :	22~23°C
		Relative Humidity :	43~44%

<For Sample 2>

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	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		5709.72	58.76	-15.24	74	50.6	32.52	8.3	32.66	102	330	P	H
		5692.52	51.35	-2.65	54	43.19	32.51	8.3	32.65	102	330	A	H
		5723.08	68.4	-9.9	78.3	60.2	32.53	8.33	32.66	102	330	P	H
	*	5747	112.05	-	-	103.85	32.54	8.33	32.67	102	330	P	H
	*	5747	103.79	-	-	95.59	32.54	8.33	32.67	102	330	A	H
													H
													H
													H
		5690.76	54.8	-19.2	74	46.64	32.51	8.3	32.65	100	64	P	V
		5692.6	47.45	-6.55	54	39.29	32.51	8.3	32.65	100	64	A	V
		5723.96	66.47	-11.83	78.3	58.27	32.53	8.33	32.66	100	64	P	V
	*	5746	105.5	-	-	97.3	32.54	8.33	32.67	100	64	P	V
	*	5746	98.92	-	-	90.72	32.54	8.33	32.67	100	64	A	V
													V
													V
													V



WIFI Ant. 1	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 157 5785MHz		5711.32	59.16	-14.84	74	51	32.52	8.3	32.66	100	326	P	H
		5693.56	44.97	-9.03	54	36.81	32.51	8.3	32.65	100	326	A	H
		5717.64	54.09	-24.21	78.3	45.92	32.53	8.3	32.66	100	326	P	H
	*	5785	115.8	-	-	107.56	32.57	8.35	32.68	100	326	P	H
	*	5785	109.29	-	-	101.05	32.57	8.35	32.68	100	326	A	H
		5858.32	54.03	-24.27	78.3	45.69	32.62	8.43	32.71	100	326	P	H
		5875.6	51.6	-22.4	74	43.25	32.63	8.43	32.71	100	326	P	H
		5860	42.25	-11.75	54	33.91	32.62	8.43	32.71	100	326	A	H
		5701	51.24	-22.76	74	43.07	32.52	8.3	32.65	100	59	P	V
		5695.16	42.24	-11.76	54	34.08	32.51	8.3	32.65	100	59	A	V
		5717.08	50.83	-27.47	78.3	42.67	32.52	8.3	32.66	100	59	P	V
	*	5785	109.13	-	-	100.89	32.57	8.35	32.68	100	59	P	V
	*	5785	103.66	-	-	95.42	32.57	8.35	32.68	100	59	A	V
		5850.01	51.37	-26.93	78.3	43.03	32.61	8.43	32.7	100	59	P	V
		5889.44	51.3	-22.7	74	42.91	32.64	8.47	32.72	100	59	P	V
		5861.44	41.3	-12.7	54	32.96	32.62	8.43	32.71	100	59	A	V



WIFI Ant. 1	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	114.76	-	-	106.46	32.6	8.39	32.69	100	327	P	H
	*	5825	107.91	-	-	99.61	32.6	8.39	32.69	100	327	A	H
		5852.72	73.38	-4.92	78.3	65.04	32.61	8.43	32.7	100	327	P	H
		5860.96	63.63	-10.37	74	55.29	32.62	8.43	32.71	100	327	P	H
		5877.36	51.44	-2.56	54	43.09	32.63	8.43	32.71	100	327	A	H
													H
													H
													H
	*	5825	107.57	-	-	99.27	32.6	8.39	32.69	138	64	P	V
	*	5825	102.28	-	-	93.98	32.6	8.39	32.69	138	64	A	V
		5850.96	66.33	-11.97	78.3	57.99	32.61	8.43	32.7	138	64	P	V
		5876.48	54.11	-19.89	74	45.76	32.63	8.43	32.71	138	64	P	V
		5877.28	45.66	-8.34	54	37.31	32.63	8.43	32.71	138	64	A	V
													V
													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. 1	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		11492	53.24	-20.76	74	63.45	40.01	12.58	62.8	100	329	P	H
		11492	46.52	-7.48	54	56.73	40.01	12.58	62.8	100	329	A	H
		17235	40.82	-33.18	74	44.25	41.05	15.66	60.14	100	0	P	H
													H
		11492	50.58	-23.42	74	60.79	40.01	12.58	62.8	100	0	P	V
		17235	41.52	-32.48	74	44.95	41.05	15.66	60.14	100	0	P	V
													V
													V
802.11a CH 157 5785MHz		11571	49.17	-24.83	74	59.37	39.88	12.66	62.74	100	0	P	H
		17355	40.54	-33.46	74	43.58	41.38	15.79	60.21	100	0	P	H
													H
													H
		11571	45.79	-28.21	74	55.99	39.88	12.66	62.74	100	0	P	V
		17355	38.87	-35.13	74	41.91	41.38	15.79	60.21	100	0	P	V
													V
													V
802.11a CH 165 5825MHz		11649	49.79	-24.21	74	60	39.75	12.73	62.69	100	0	P	H
		17475	38.34	-35.66	74	40.98	41.71	15.93	60.28	100	0	P	H
													H
													H
		11649	45.9	-28.1	74	56.11	39.75	12.73	62.69	100	0	P	V
		17475	39.28	-34.72	74	41.92	41.71	15.93	60.28	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. 1	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		5714.52	64.54	-9.46	74	56.38	32.52	8.3	32.66	100	330	P	H
		5693.08	52.55	-1.45	54	44.39	32.51	8.3	32.65	100	330	A	H
		5724.52	68.17	-10.13	78.3	59.97	32.53	8.33	32.66	100	330	P	H
	*	5745	112.26	-	-	104.06	32.54	8.33	32.67	100	330	P	H
	*	5745	105.87	-	-	97.67	32.54	8.33	32.67	100	330	A	H
													H
													H
													H
		5711.56	60.93	-13.07	74	52.77	32.52	8.3	32.66	100	62	P	V
		5693.24	48.03	-5.97	54	39.87	32.51	8.3	32.65	100	62	A	V
		5718.68	62.42	-15.88	78.3	54.25	32.53	8.3	32.66	100	62	P	V
	*	5745	106.67	-	-	98.47	32.54	8.33	32.67	100	62	P	V
	*	5745	100.97	-	-	92.77	32.54	8.33	32.67	100	62	A	V
													V
													V
													V



WIFI Ant. 1	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 157 5785MHz		5705.08	55.16	-18.84	74	47	32.52	8.3	32.66	100	325	P	H
		5693.24	44.42	-9.58	54	36.26	32.51	8.3	32.65	100	325	A	H
		5719.16	56.53	-21.77	78.3	48.36	32.53	8.3	32.66	100	325	P	H
	*	5785	113.8	-	-	105.56	32.57	8.35	32.68	100	325	P	H
	*	5785	108.57	-	-	100.33	32.57	8.35	32.68	100	325	A	H
		5850.4	54.44	-23.86	78.3	46.1	32.61	8.43	32.7	100	325	P	H
		5876.24	50.56	-23.44	74	42.21	32.63	8.43	32.71	100	325	P	H
		5860.08	41.84	-12.16	54	33.5	32.62	8.43	32.71	100	325	A	H
		5690.12	51.94	-22.06	74	43.78	32.51	8.3	32.65	100	60	P	V
		5694.12	42.15	-11.85	54	33.99	32.51	8.3	32.65	100	60	A	V
		5723.72	50.88	-27.42	78.3	42.68	32.53	8.33	32.66	100	60	P	V
	*	5785	108.62	-	-	100.38	32.57	8.35	32.68	100	60	P	V
	*	5785	103.13	-	-	94.89	32.57	8.35	32.68	100	60	A	V
		5858	51.62	-26.68	78.3	43.28	32.62	8.43	32.71	100	60	P	V
		5880.64	50.41	-23.59	74	42.06	32.63	8.43	32.71	100	60	P	V
		5880.96	41.27	-12.73	54	32.92	32.63	8.43	32.71	100	60	A	V



WIFI Ant. 1	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	114.58	-	-	106.28	32.6	8.39	32.69	100	326	P	H
	*	5825	108.55	-	-	100.25	32.6	8.39	32.69	100	326	A	H
		5850.4	70.58	-7.72	78.3	62.24	32.61	8.43	32.7	100	326	P	H
		5860.88	64.15	-9.85	74	55.81	32.62	8.43	32.71	100	326	P	H
		5876.8	52.31	-1.69	54	43.96	32.63	8.43	32.71	100	326	A	H
													H
													H
													H
	*	5825	108.62	-	-	100.32	32.6	8.39	32.69	105	59	P	V
	*	5825	103.09	-	-	94.79	32.6	8.39	32.69	105	59	A	V
		5850.24	68.55	-9.75	78.3	60.21	32.61	8.43	32.7	105	59	P	V
		5861.2	60.34	-13.66	74	52	32.62	8.43	32.71	105	59	P	V
		5860.08	48.92	-5.08	54	40.58	32.62	8.43	32.71	105	59	A	V
													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 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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		11488	57.5	-16.5	74	67.71	40.01	12.58	62.8	100	323	P	H
		11488	47.73	-6.27	54	57.94	40.01	12.58	62.8	100	323	A	H
		17237	47.56	-26.44	74	50.99	41.05	15.66	60.14	100	0	P	H
													H
		11492	52.64	-21.36	74	62.85	40.01	12.58	62.8	100	315	P	V
		11492	46.06	-7.94	54	56.27	40.01	12.58	62.8	100	315	A	V
		17235	46.56	-27.44	74	49.99	41.05	15.66	60.14	100	0	P	V
													V
802.11n HT20 CH 157 5785MHz		11571	57.61	-16.39	74	67.81	39.88	12.66	62.74	100	358	P	H
		11571	48.31	-5.69	54	58.51	39.88	12.66	62.74	100	358	A	H
		17355	46.53	-27.47	74	49.57	41.38	15.79	60.21	100	0	P	H
													H
		11568	52.44	-21.56	74	62.64	39.88	12.66	62.74	100	22	P	V
		11568	46.25	-7.75	54	56.45	39.88	12.66	62.74	100	22	A	V
		17355	45.58	-28.42	74	48.62	41.38	15.79	60.21	100	0	P	V
													V
802.11n HT20 CH 165 5825MHz		11655	61.41	-12.59	74	71.64	39.72	12.73	62.68	103	358	P	H
		11655	50.82	-3.18	54	61.05	39.72	12.73	62.68	103	358	A	H
		17475	47.12	-26.88	74	49.76	41.71	15.93	60.28	100	0	P	H
													H
		11643	59.31	-14.69	74	69.52	39.75	12.73	62.69	111	343	P	V
		11643	47.59	-6.41	54	57.8	39.75	12.73	62.69	111	343	A	V
		17475	46.62	-27.38	74	49.26	41.71	15.93	60.28	100	0	P	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. 1	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		5715	61.38	-12.62	74	53.22	32.52	8.3	32.66	100	326	P	H
		5715	51.76	-2.24	54	43.6	32.52	8.3	32.66	100	326	A	H
		5720.92	65.12	-13.18	78.3	56.95	32.53	8.3	32.66	100	326	P	H
	*	5755	108.01	-	-	99.79	32.56	8.33	32.67	100	326	P	H
	*	5755	102.17	-	-	93.95	32.56	8.33	32.67	100	326	A	H
		5857.84	52.24	-26.06	78.3	43.9	32.62	8.43	32.71	100	326	P	H
		5863.84	51.2	-22.8	74	42.86	32.62	8.43	32.71	100	326	P	H
		5860	43.8	-10.2	54	35.46	32.62	8.43	32.71	100	326	A	H
		5704.52	56.8	-17.2	74	48.63	32.52	8.3	32.65	100	61	P	V
		5715	47.96	-6.04	54	39.8	32.52	8.3	32.66	100	61	A	V
		5722.92	62.21	-16.09	78.3	54.01	32.53	8.33	32.66	100	61	P	V
	*	5755	102.86	-	-	94.64	32.56	8.33	32.67	100	61	P	V
	*	5755	97.57	-	-	89.35	32.56	8.33	32.67	100	61	A	V
		5859.92	51.01	-27.29	78.3	42.67	32.62	8.43	32.71	100	61	P	V
		5876	50.24	-23.76	74	41.89	32.63	8.43	32.71	100	61	P	V
		5860	42	-12	54	33.66	32.62	8.43	32.71	100	61	A	V



WIFI Ant. 1	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 159 5795MHz		5714.44	55.41	-18.59	74	47.25	32.52	8.3	32.66	100	326	P	H
		5692.28	47.63	-6.37	54	39.47	32.51	8.3	32.65	100	326	A	H
		5719.24	55.7	-22.6	78.3	47.53	32.53	8.3	32.66	100	326	P	H
	*	5795	108.6	-	-	100.35	32.58	8.35	32.68	100	326	P	H
	*	5795	102.56	-	-	94.31	32.58	8.35	32.68	100	326	A	H
		5850.56	53.89	-24.41	78.3	45.55	32.61	8.43	32.7	100	326	P	H
		5860.32	51.1	-22.9	74	42.76	32.62	8.43	32.71	100	326	P	H
		5860	42.37	-11.63	54	34.03	32.62	8.43	32.71	100	326	A	H
		5688.92	52.23	-21.77	74	44.07	32.51	8.3	32.65	100	60	P	V
		5692.2	44.29	-9.71	54	36.13	32.51	8.3	32.65	100	60	A	V
		5724.84	50.19	-28.11	78.3	41.99	32.53	8.33	32.66	100	60	P	V
	*	5795	104.04	-	-	95.79	32.58	8.35	32.68	100	60	P	V
	*	5795	98.22	-	-	89.97	32.58	8.35	32.68	100	60	A	V
		5850.8	51.57	-26.73	78.3	43.23	32.61	8.43	32.7	100	60	P	V
		5874.4	50.16	-23.84	74	41.81	32.63	8.43	32.71	100	60	P	V
		5860	41.51	-12.49	54	33.17	32.62	8.43	32.71	100	60	A	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. 1	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		11511	52.5	-21.5	74	62.72	40	12.58	62.8	100	359	P	H
		11511	44.78	-9.22	54	55	40	12.58	62.8	100	359	A	H
		17265	46.1	-27.9	74	49.45	41.15	15.66	60.16	100	0	P	H
													H
		11511	50.11	-23.89	74	60.33	40	12.58	62.8	100	0	P	V
		17265	46.24	-27.76	74	49.59	41.15	15.66	60.16	100	0	P	V
													V
													V
802.11n HT40 CH 159 5795MHz		11589	51.14	-22.86	74	61.37	39.84	12.66	62.73	100	357	P	H
		11589	45.49	-8.51	54	55.72	39.84	12.66	62.73	100	357	A	H
		17385	48.17	-25.83	74	51.14	41.47	15.79	60.23	100	0	P	H
													H
		11589	47.88	-26.12	74	58.11	39.84	12.66	62.73	100	0	P	V
		17385	46.93	-27.07	74	49.9	41.47	15.79	60.23	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

5GHz WIFI 802.11n HT20 (LF @ 3m)

[illegible]



<For Sample 1>

Band 4 - 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	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		5714.84	66.52	-7.48	74	58.36	32.52	8.3	32.66	100	46	P	H
		5693.08	51.33	-2.67	54	43.17	32.51	8.3	32.65	100	46	A	H
		5724.12	74.2	-4.1	78.3	66	32.53	8.33	32.66	100	46	P	H
	*	5745	111.15	-	-	102.95	32.54	8.33	32.67	100	46	P	H
	*	5745	104.18	-	-	95.98	32.54	8.33	32.67	100	46	A	H
													H
													H
													H
		5714.96	64.08	-9.92	74	55.92	32.52	8.3	32.66	100	302	P	V
		5693.24	46.57	-7.43	54	38.41	32.51	8.3	32.65	100	302	A	V
		5724.96	66.97	-11.33	78.3	58.77	32.53	8.33	32.66	100	302	P	V
	*	5745	105.82	-	-	97.62	32.54	8.33	32.67	100	302	P	V
	*	5745	98.51	-	-	90.31	32.54	8.33	32.67	100	302	A	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 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 1	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	57.28	-16.72	74	67.49	40.01	12.58	62.8	100	320	P	H
		11490	47.94	-6.06	54	58.15	40.01	12.58	62.8	100	320	A	H
		17235	45.28	-28.72	74	48.71	41.05	15.66	60.14	100	0	P	H
													H
		11490	55.32	-18.68	74	65.53	40.01	12.58	62.8	100	293	P	V
		11490	45.38	-8.62	54	55.59	40.01	12.58	62.8	100	293	A	V
		17235	44.16	-29.84	74	47.59	41.05	15.66	60.14	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

Emission below 1GHz

5GHz WIFI 802.11n HT20 (LF @ 3m)

WIFI Ant. 1	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)
5GHz 802.11n HT20 LF		31.08	19.59	-20.41	40	32.3	19.46	0.65	32.82	-	-	P	H
		32.97	18.13	-21.87	40	31.91	18.38	0.65	32.81	-	-	P	H
		85.08	22.14	-17.86	40	45.07	8.6	1.14	32.67	100	12	P	H
		345.5	19.78	-26.22	46	35.55	15.07	1.94	32.78	-	-	P	H
		461	18.93	-27.07	46	32.03	17.49	2.3	32.89	-	-	P	H
		956.6	25.94	-20.06	46	30.06	24.27	3.29	31.68	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.27	33.57	-6.43	40	45.74	20	0.65	32.82	125	158	P	V
		47.82	29.72	-10.28	40	51.12	10.45	0.93	32.78	-	-	P	V
		70.77	28.35	-11.65	40	53.32	6.82	0.93	32.72	-	-	P	V
		754.3	22.69	-23.31	46	31.06	21.65	2.91	32.93	-	-	P	V
		815.2	23.24	-22.76	46	30.74	22.22	3.07	32.79	-	-	P	V
		948.9	26.12	-19.88	46	30.32	24.28	3.29	31.77	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



<For Sample 3>

Band 4 - 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	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		5714.8	65.98	-8.02	74	57.82	32.52	8.3	32.66	100	30	P	H
		5693.08	50.85	-3.15	54	42.69	32.51	8.3	32.65	100	30	A	H
		5724.96	74.79	-3.51	78.3	66.59	32.53	8.33	32.66	100	30	P	H
	*	5745	112.01	-	-	103.81	32.54	8.33	32.67	100	30	P	H
	*	5745	105	-	-	96.8	32.54	8.33	32.67	100	30	A	H
													H
													H
													H
		5711.4	59.75	-14.25	74	51.59	32.52	8.3	32.66	100	301	P	V
		5693.24	47.04	-6.96	54	38.88	32.51	8.3	32.65	100	301	A	V
		5719	68.94	-9.36	78.3	60.77	32.53	8.3	32.66	100	301	P	V
	*	5745	107.99	-	-	99.79	32.54	8.33	32.67	100	301	P	V
	*	5745	100.73	-	-	92.53	32.54	8.33	32.67	100	301	A	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 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 1	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	59.58	-14.42	74	69.79	40.01	12.58	62.8	100	360	P	H
		11490	49.25	-4.75	54	59.46	40.01	12.58	62.8	100	360	A	H
		17235	44.67	-29.33	74	48.1	41.05	15.66	60.14	100	0	P	H
													H
		11490	57.88	-16.12	74	68.09	40.01	12.58	62.8	121	23	P	V
		11490	47.03	-6.97	54	57.24	40.01	12.58	62.8	121	23	A	V
		17235	44.66	-29.34	74	48.09	41.05	15.66	60.14	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 4 5725~5850MHz

Emission below 1GHz

5GHz WIFI 802.11n HT20 (LF @ 3m)

WIFI Ant. 1	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)
5GHz 802.11n HT20 LF		32.7	35.38	-4.62	40	49.16	18.38	0.65	32.81	114	216	P	H
		51.6	27.91	-12.09	40	50.86	8.89	0.93	32.77	-	-	P	H
		81.57	25.25	-14.75	40	48.89	8.12	0.93	32.69	-	-	P	H
		81.57	31.55	-8.45	40	55.19	8.12	0.93	32.69	-	-	P	H
		123.42	30.24	-13.26	43.5	49.82	11.93	1.14	32.65	-	-	P	H
		269.49	18.92	-27.08	46	36.39	13.5	1.76	32.73	-	-	P	H
													H
													H
													H
													H
													H
													H
		32.7	35.38	-4.62	40	49.16	18.38	0.65	32.81	105	321	P	V
		51.6	27.91	-12.09	40	50.86	8.89	0.93	32.77	-	-	P	V
		81.57	25.25	-14.75	40	48.89	8.12	0.93	32.69	-	-	P	V
		610.8	20.26	-25.74	46	30.94	19.73	2.62	33.03	-	-	P	V
		727	21.74	-24.26	46	30.64	21.15	2.91	32.96	-	-	P	V
		986	26.27	-27.73	54	30.1	24.15	3.38	31.36	-	-	P	V
													V
													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	P eak or A verage
H/V	H orizontal or V ertical



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

WIFI Ant. 1	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)
802.11b CH 01		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. 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)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. 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)

2. 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”.