



Appendix A. Radiated Spurious Emission

Test Engineer :	Donny Tang	Temperature :	22~25°C
		Relative Humidity :	40~44%

15E Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 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.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 36 5180MHz		5110.1	53.57	-20.43	74	44	34.62	8.94	33.99	102	324	P	H	
		5127.65	43.31	-10.69	54	33.79	34.63	8.88	33.99	102	324	A	H	
	*	5182	100.27	-	-	90.82	34.68	8.76	33.99	102	324	P	H	
	*	5182	89.82	-	-	80.37	34.68	8.76	33.99	102	324	A	H	
													H	
													H	
			5128.25	53.87	-20.13	74	44.35	34.63	8.88	33.99	134	360	P	V
			5127.8	44.17	-9.83	54	34.65	34.63	8.88	33.99	134	360	A	V
	*		5182	104.54	-	-	95.09	34.68	8.76	33.99	134	360	P	V
	*		5182	93.98	-	-	84.53	34.68	8.76	33.99	134	360	A	V
													V	
													V	
802.11a CH 44 5220MHz		5138.15	53.29	-20.71	74	43.77	34.63	8.88	33.99	101	324	P	H	
		5078.75	42.35	-11.65	54	32.75	34.58	9.01	33.99	101	324	A	H	
	*	5218	99.33	-	-	89.9	34.72	8.7	33.99	101	324	P	H	
	*	5218	89.11	-	-	79.68	34.72	8.7	33.99	101	324	A	H	
			5420.51	53.11	-20.89	74	43.44	34.92	8.73	33.98	101	324	P	H
			5422.71	42.51	-11.49	54	32.84	34.92	8.73	33.98	101	324	A	H
			5098.85	53.32	-20.68	74	43.77	34.6	8.94	33.99	105	1	P	V
			5073.35	42.37	-11.63	54	32.77	34.58	9.01	33.99	105	1	A	V
	*		5222	105.13	-	-	95.69	34.73	8.7	33.99	105	1	P	V
	*		5222	94.75	-	-	85.31	34.73	8.7	33.99	105	1	A	V
			5419.08	53.33	-20.67	74	43.66	34.92	8.73	33.98	105	1	P	V
			5405.77	42.48	-11.52	54	32.83	34.9	8.73	33.98	105	1	A	V



802.11a CH 48 5240MHz		5068.25	52.97	-21.03	74	43.38	34.57	9.01	33.99	101	324	P	H
		5071.55	42.37	-11.63	54	32.77	34.58	9.01	33.99	101	324	A	H
	*	5238	98.82	-	-	89.38	34.73	8.7	33.99	101	324	P	H
	*	5238	89.03	-	-	79.59	34.73	8.7	33.99	101	324	A	H
		5431.51	53.31	-20.69	74	43.61	34.93	8.75	33.98	101	324	P	H
		5443.06	42.5	-11.5	54	32.8	34.93	8.75	33.98	101	324	A	H
		5076.8	53.1	-20.9	74	43.5	34.58	9.01	33.99	118	2	P	V
		5139.8	42.41	-11.59	54	32.87	34.65	8.88	33.99	118	2	A	V
	*	5238	104.74	-	-	95.3	34.73	8.7	33.99	118	2	P	V
	*	5238	94.95	-	-	85.51	34.73	8.7	33.99	118	2	A	V
		5413.91	52.97	-21.03	74	43.3	34.92	8.73	33.98	118	2	P	V
		5402.14	42.54	-11.46	54	32.89	34.9	8.73	33.98	118	2	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz
WIFI 802.11a (Harmonic @ 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.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10360	41.79	-32.21	74	52.27	37.29	12.92	60.69	100	0	P	H
		15540	47.71	-26.29	74	50.03	40.13	17.02	59.47	100	0	P	H
													H
													H
		10360	42.37	-31.63	74	52.85	37.29	12.92	60.69	100	0	P	V
		15540	46.9	-27.1	74	49.22	40.13	17.02	59.47	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	42.96	-31.04	74	53.18	37.35	13.02	60.59	100	0	P	H
		15660	47.56	-26.44	74	49.62	40.26	17.02	59.34	100	0	P	H
													H
													H
		10440	42.7	-31.3	74	52.92	37.35	13.02	60.59	100	0	P	V
		15660	48.11	-25.89	74	50.17	40.26	17.02	59.34	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	41.95	-32.05	74	51.99	37.39	13.09	60.52	100	0	P	H
		15720	47.86	-26.14	74	49.79	40.32	17.03	59.28	100	0	P	H
													H
													H
		10480	42.44	-31.56	74	52.48	37.39	13.09	60.52	100	0	P	V
		15720	47.8	-26.2	74	49.73	40.32	17.03	59.28	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

WIFI 802.11n HT20(Band Edge @ 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.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT20 CH 36 5180MHz		5127.5	53.6	-20.4	74	44.08	34.63	8.88	33.99	197	290	P	H	
		5128.55	43.84	-10.16	54	34.32	34.63	8.88	33.99	197	290	A	H	
	*	5178	101	-	-	91.55	34.68	8.76	33.99	197	290	P	H	
	*	5178	90.9	-	-	81.45	34.68	8.76	33.99	197	290	A	H	
													H	
													H	
			5128.25	55.08	-18.92	74	45.56	34.63	8.88	33.99	106	1	P	V
			5128.25	44.89	-9.11	54	35.37	34.63	8.88	33.99	106	1	A	V
		*	5182	104.98	-	-	95.53	34.68	8.76	33.99	106	1	P	V
		*	5182	94.46	-	-	85.01	34.68	8.76	33.99	106	1	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5106.5	52.97	-21.03	74	43.4	34.62	8.94	33.99	100	325	P	H	
		5069.15	42.39	-11.61	54	32.8	34.57	9.01	33.99	100	325	A	H	
		*	5218	99.45	-	-	90.02	34.72	8.7	33.99	100	325	P	H
		*	5218	88.91	-	-	79.48	34.72	8.7	33.99	100	325	A	H
			5365.95	53.4	-20.6	74	43.79	34.87	8.72	33.98	100	325	P	H
			5446.47	42.47	-11.53	54	32.75	34.95	8.75	33.98	100	325	A	H
			5046.05	52.96	-21.04	74	43.33	34.55	9.07	33.99	104	1	P	V
			5069.15	42.39	-11.61	54	32.8	34.57	9.01	33.99	104	1	A	V
		*	5222	105.06	-	-	95.62	34.73	8.7	33.99	104	1	P	V
		*	5222	94.84	-	-	85.4	34.73	8.7	33.99	104	1	A	V
		5399.28	53.09	-20.91	74	43.44	34.9	8.73	33.98	104	1	P	V	
		5403.79	42.55	-11.45	54	32.9	34.9	8.73	33.98	104	1	A	V	



802.11n HT20 CH 48 5240MHz		5037.65	53.3	-20.7	74	43.61	34.55	9.13	33.99	101	324	P	H
		5150	42.39	-11.61	54	32.91	34.65	8.82	33.99	101	324	A	H
	*	5238	99.4	-	-	89.96	34.73	8.7	33.99	101	324	P	H
	*	5238	89.15	-	-	79.71	34.73	8.7	33.99	101	324	A	H
		5381.46	53.92	-20.08	74	44.29	34.88	8.73	33.98	101	324	P	H
		5441.19	42.52	-11.48	54	32.82	34.93	8.75	33.98	101	324	A	H
		5077.25	53.37	-20.63	74	43.77	34.58	9.01	33.99	105	0	P	V
		5140.1	42.43	-11.57	54	32.89	34.65	8.88	33.99	105	0	A	V
	*	5242	105.59	-	-	96.15	34.73	8.7	33.99	105	0	P	V
	*	5242	95.07	-	-	85.63	34.73	8.7	33.99	105	0	A	V
		5399.17	53.11	-20.89	74	43.46	34.9	8.73	33.98	105	0	P	V
		5433.16	42.53	-11.47	54	32.83	34.93	8.75	33.98	105	0	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.
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15E band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 36 5180MHz		10360	42.05	-31.95	74	52.53	37.29	12.92	60.69	100	0	P	H
		15540	47.03	-26.97	74	49.35	40.13	17.02	59.47	100	0	P	H
													H
													H
		10360	42.58	-31.42	74	53.06	37.29	12.92	60.69	100	0	P	V
		15540	47.89	-26.11	74	50.21	40.13	17.02	59.47	100	0	P	V
													V
802.11n HT20 CH 44 5220MHz		10440	42.87	-31.13	74	53.09	37.35	13.02	60.59	100	0	P	H
		15660	47.18	-26.82	74	49.24	40.26	17.02	59.34	100	0	P	H
													H
													H
		10440	43.44	-30.56	74	53.66	37.35	13.02	60.59	100	0	P	V
		15660	47.73	-26.27	74	49.79	40.26	17.02	59.34	100	0	P	V
													V
802.11n HT20 CH 48 5240MHz		10480	42.97	-31.03	74	53.01	37.39	13.09	60.52	100	0	P	H
		15720	47.64	-26.36	74	49.57	40.32	17.03	59.28	100	0	P	H
													H
													H
		10480	42.68	-31.32	74	52.72	37.39	13.09	60.52	100	0	P	V
		15720	47.95	-26.05	74	49.88	40.32	17.03	59.28	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		5148.2	58.56	-15.44	74	49.08	34.65	8.82	33.99	101	292	P	H
		5150	44.64	-9.36	54	35.16	34.65	8.82	33.99	101	292	A	H
	*	5190	97.73	-	-	88.28	34.68	8.76	33.99	101	292	P	H
	*	5190	88.96	-	-	79.51	34.68	8.76	33.99	101	292	A	H
		5410.28	53.5	-20.5	74	43.85	34.9	8.73	33.98	101	292	P	H
		5399.28	42.47	-11.53	54	32.82	34.9	8.73	33.98	101	292	A	H
		5150	61.57	-12.43	74	52.09	34.65	8.82	33.99	105	0	P	V
		5150	46.33	-7.67	54	36.85	34.65	8.82	33.99	105	0	A	V
	*	5190	100.88	-	-	91.43	34.68	8.76	33.99	105	0	P	V
	*	5190	90.49	-	-	81.04	34.68	8.76	33.99	105	0	A	V
		5451.31	52.69	-21.31	74	42.94	34.95	8.78	33.98	105	0	P	V
		5449	42.53	-11.47	54	32.81	34.95	8.75	33.98	105	0	A	V
802.11n HT40 CH 46 5230MHz		5104.1	52.95	-21.05	74	43.4	34.6	8.94	33.99	103	291	P	H
		5126.45	42.49	-11.51	54	32.97	34.63	8.88	33.99	103	291	A	H
	*	5230	97.8	-	-	88.36	34.73	8.7	33.99	103	291	P	H
	*	5230	87.77	-	-	78.33	34.73	8.7	33.99	103	291	A	H
		5433.6	53.12	-20.88	74	43.42	34.93	8.75	33.98	103	291	P	H
		5400.82	42.49	-11.51	54	32.84	34.9	8.73	33.98	103	291	A	H
		5144.75	52.92	-21.08	74	43.44	34.65	8.82	33.99	105	0	P	V
		5126.3	42.77	-11.23	54	33.25	34.63	8.88	33.99	105	0	A	V
	*	5230	101.75	-	-	92.31	34.73	8.7	33.99	105	0	P	V
	*	5230	91.56	-	-	82.12	34.73	8.7	33.99	105	0	A	V
		5375.74	52.84	-21.16	74	43.22	34.87	8.73	33.98	105	0	P	V
		5445.15	42.52	-11.48	54	32.82	34.93	8.75	33.98	105	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		10380	42.71	-31.29	74	53.11	37.31	12.95	60.66	100	0	P	H
		15570	47.48	-26.52	74	49.72	40.17	17.02	59.43	100	0	P	H
													H
													H
802.11n HT40 CH 46 5230MHz		10380	42.65	-31.35	74	53.05	37.31	12.95	60.66	100	0	P	V
		15570	47.84	-26.16	74	50.08	40.17	17.02	59.43	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	43.04	-30.96	74	53.19	37.36	13.06	60.57	100	0	P	H
		15690	46.84	-27.16	74	48.83	40.29	17.03	59.31	100	0	P	H
													H
													H
802.11n HT40 CH 46 5230MHz		10460	43.46	-30.54	74	53.61	37.36	13.06	60.57	100	0	P	V
		15690	47.73	-26.27	74	49.72	40.29	17.03	59.31	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		5147	59.48	-14.52	74	50	34.65	8.82	33.99	100	0	P	H
		5146.85	47.15	-6.85	54	37.67	34.65	8.82	33.99	100	0	A	H
	*	5210	94.46	-	-	85.03	34.72	8.7	33.99	100	0	P	H
	*	5210	84.55	-	-	75.12	34.72	8.7	33.99	100	0	A	H
		5365.95	52.93	-21.07	74	43.32	34.87	8.72	33.98	100	0	P	H
		5366.39	42.62	-11.38	54	33.01	34.87	8.72	33.98	100	0	A	H
		5146.7	63.11	-10.89	74	53.63	34.65	8.82	33.99	106	6	P	V
		5149.4	50.03	-3.97	54	40.55	34.65	8.82	33.99	106	6	A	V
	*	5210	99.02	-	-	89.59	34.72	8.7	33.99	106	6	P	V
	*	5210	88.58	-	-	79.15	34.72	8.7	33.99	106	6	A	V
		5431.84	53.55	-20.45	74	43.85	34.93	8.75	33.98	106	6	P	V
		5440.97	42.67	-11.33	54	32.97	34.93	8.75	33.98	106	6	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 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.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11ac VHT80 CH 42 5210MHz		10420	42.73	-31.27	74	53.03	37.33	12.99	60.62	100	0	P	H	
		15630	47.14	-26.86	74	49.24	40.24	17.02	59.36	100	0	P	H	
													H	
													H	
			10420	43.21	-30.79	74	53.51	37.33	12.99	60.62	100	0	P	V
			15630	47.5	-26.5	74	49.6	40.24	17.02	59.36	100	0	P	V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



15E Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5078.9	53.27	-20.73	74	43.67	34.58	9.01	33.99	100	325	P	H
		5069.15	42.4	-11.6	54	32.81	34.57	9.01	33.99	100	325	A	H
	*	5262	98.53	-	-	89.05	34.75	8.71	33.98	100	325	P	H
	*	5262	88.47	-	-	78.99	34.75	8.71	33.98	100	325	A	H
		5399.39	53.38	-20.62	74	43.73	34.9	8.73	33.98	100	325	P	H
		5439.87	42.5	-11.5	54	32.8	34.93	8.75	33.98	100	325	A	H
		5068.55	53.34	-20.66	74	43.75	34.57	9.01	33.99	117	1	P	V
		5073.05	42.41	-11.59	54	32.81	34.58	9.01	33.99	117	1	A	V
	*	5258	105.3	-	-	95.82	34.75	8.71	33.98	117	1	P	V
	*	5258	95.21	-	-	85.73	34.75	8.71	33.98	117	1	A	V
		5420.51	53.34	-20.66	74	43.67	34.92	8.73	33.98	117	1	P	V
		5440.64	43.5	-10.5	54	33.8	34.93	8.75	33.98	117	1	A	V
802.11a CH 60 5300MHz		5010.5	53.31	-20.69	74	43.59	34.52	9.19	33.99	100	292	P	H
		5125.85	42.36	-11.64	54	32.84	34.63	8.88	33.99	100	292	A	H
	*	5298	98.54	-	-	89.01	34.8	8.71	33.98	100	292	P	H
	*	5298	88.23	-	-	78.7	34.8	8.71	33.98	100	292	A	H
		5440.42	54.15	-19.85	74	44.45	34.93	8.75	33.98	100	292	P	H
		5352.31	42.66	-11.34	54	33.07	34.85	8.72	33.98	100	292	A	H
		5092.1	52.84	-21.16	74	43.22	34.6	9.01	33.99	116	1	P	V
		5149.55	42.38	-11.62	54	32.9	34.65	8.82	33.99	116	1	A	V
	*	5302	105.42	-	-	95.89	34.8	8.71	33.98	116	1	P	V
	*	5302	94.96	-	-	85.43	34.8	8.71	33.98	116	1	A	V
		5353.52	53.96	-20.04	74	44.37	34.85	8.72	33.98	116	1	P	V
		5352.09	44.43	-9.57	54	34.84	34.85	8.72	33.98	116	1	A	V



802.11a CH 64 5320MHz	*	5322	98.14	-	-	88.58	34.82	8.72	33.98	100	293	P	H
	*	5322	88.06	-	-	78.5	34.82	8.72	33.98	100	293	A	H
		5375.96	53.14	-20.86	74	43.52	34.87	8.73	33.98	100	293	P	H
		5371.78	42.82	-11.18	54	33.21	34.87	8.72	33.98	100	293	A	H
													H
													H
	*	5318	105.34	-	-	95.78	34.82	8.72	33.98	116	1	P	V
	*	5318	94.89	-	-	85.33	34.82	8.72	33.98	116	1	A	V
		5373.65	55.07	-18.93	74	45.45	34.87	8.73	33.98	116	1	P	V
		5372.33	44.4	-9.6	54	34.79	34.87	8.72	33.98	116	1	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz
WIFI 802.11a (Harmonic @ 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.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		10520	42.26	-31.74	74	52.18	37.41	13.12	60.45	100	0	P	H
		15780	48.17	-25.83	74	49.98	40.38	17.03	59.22	100	0	P	H
													H
													H
		10520	42.88	-31.12	74	52.8	37.41	13.12	60.45	100	0	P	V
		15780	47.56	-26.44	74	49.37	40.38	17.03	59.22	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	42.95	-31.05	74	52.47	37.46	13.23	60.21	100	0	P	H
		15900	48.32	-25.68	74	49.88	40.5	17.04	59.1	100	0	P	H
													H
													H
		10600	42.84	-31.16	74	52.36	37.46	13.23	60.21	100	0	P	V
		15900	47.83	-26.17	74	49.39	40.5	17.04	59.1	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	42.27	-31.73	74	51.6	37.48	13.3	60.11	100	0	P	H
		15960	48.76	-25.24	74	50.17	40.57	17.05	59.03	100	0	P	H
													H
													H
		10640	42.57	-31.43	74	51.9	37.48	13.3	60.11	100	0	P	V
		15960	49.52	-24.48	74	50.93	40.57	17.05	59.03	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 52 5260MHz		5067.35	53.33	-20.67	74	43.74	34.57	9.01	33.99	100	325	P	H
		5050.7	42.46	-11.54	54	32.83	34.55	9.07	33.99	100	325	A	H
	*	5262	98.52	-	-	89.04	34.75	8.71	33.98	100	325	P	H
	*	5262	88.4	-	-	78.92	34.75	8.71	33.98	100	325	A	H
		5358.47	53.25	-20.75	74	43.66	34.85	8.72	33.98	100	325	P	H
		5456.48	42.47	-11.53	54	32.72	34.95	8.78	33.98	100	325	A	H
		5120.3	53.06	-20.94	74	43.55	34.62	8.88	33.99	104	1	P	V
		5053.1	42.35	-11.65	54	32.72	34.55	9.07	33.99	104	1	A	V
	*	5258	105.05	-	-	95.57	34.75	8.71	33.98	104	1	P	V
	*	5258	94.83	-	-	85.35	34.75	8.71	33.98	104	1	A	V
		5428.43	53.32	-20.68	74	43.63	34.92	8.75	33.98	104	1	P	V
		5446.25	42.53	-11.47	54	32.81	34.95	8.75	33.98	104	1	A	V
802.11n HT20 CH 60 5300MHz		5000.3	52.9	-21.1	74	43.2	34.5	9.19	33.99	101	293	P	H
		5067.8	42.32	-11.68	54	32.73	34.57	9.01	33.99	101	293	A	H
	*	5298	98.38	-	-	88.85	34.8	8.71	33.98	101	293	P	H
	*	5298	88.16	-	-	78.63	34.8	8.71	33.98	101	293	A	H
		5402.25	53.19	-20.81	74	43.54	34.9	8.73	33.98	101	293	P	H
		5351.98	42.79	-11.21	54	33.2	34.85	8.72	33.98	101	293	A	H
		5123.3	53.16	-20.84	74	43.64	34.63	8.88	33.99	116	356	P	V
		5148.95	42.35	-11.65	54	32.87	34.65	8.82	33.99	116	356	A	V
	*	5302	105.47	-	-	95.94	34.8	8.71	33.98	116	356	P	V
	*	5302	94.65	-	-	85.12	34.8	8.71	33.98	116	356	A	V
		5351.76	55.5	-18.5	74	45.91	34.85	8.72	33.98	116	356	P	V
		5351.98	44.84	-9.16	54	35.25	34.85	8.72	33.98	116	356	A	V



802.11n HT20 CH 64 5320MHz	*	5322	97.84	-	-	88.28	34.82	8.72	33.98	197	293	P	H
	*	5322	87.65	-	-	78.09	34.82	8.72	33.98	197	293	A	H
		5409.4	53.17	-20.83	74	43.52	34.9	8.73	33.98	197	293	P	H
		5371.78	42.72	-11.28	54	33.11	34.87	8.72	33.98	197	293	A	H
													H
													H
	*	5322	105.25	-	-	95.69	34.82	8.72	33.98	116	358	P	V
	*	5322	94.76	-	-	85.2	34.82	8.72	33.98	116	358	A	V
		5371.78	54.72	-19.28	74	45.11	34.87	8.72	33.98	116	358	P	V
		5372	45.01	-8.99	54	35.4	34.87	8.72	33.98	116	358	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 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.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 52 5260MHz		10520	41.75	-32.25	74	51.67	37.41	13.12	60.45	100	0	P	H
		15780	47.92	-26.08	74	49.73	40.38	17.03	59.22	100	0	P	H
													H
													H
		10520	42.65	-31.35	74	52.57	37.41	13.12	60.45	100	0	P	V
		15780	49.12	-24.88	74	50.93	40.38	17.03	59.22	100	0	P	V
													V
802.11n HT20 CH 60 5300MHz		10600	43.02	-30.98	74	52.54	37.46	13.23	60.21	100	0	P	H
		15900	47.39	-26.61	74	48.95	40.5	17.04	59.1	100	0	P	H
													H
													H
		10600	43.74	-30.26	74	53.26	37.46	13.23	60.21	100	0	P	V
		15900	48.08	-25.92	74	49.64	40.5	17.04	59.1	100	0	P	V
													V
802.11n HT20 CH 64 5320MHz		10640	41.82	-32.18	74	51.15	37.48	13.3	60.11	100	0	P	H
		15960	47.35	-26.65	74	48.76	40.57	17.05	59.03	100	0	P	H
													H
													H
		10640	43.87	-30.13	74	53.2	37.48	13.3	60.11	100	0	P	V
		15960	48	-26	74	49.41	40.57	17.05	59.03	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 54 5270MHz		5071.7	52.86	-21.14	74	43.26	34.58	9.01	33.99	101	292	P	H
		5067.95	42.45	-11.55	54	32.86	34.57	9.01	33.99	101	292	A	H
	*	5270	97.28	-	-	87.78	34.77	8.71	33.98	101	292	P	H
	*	5270	87.64	-	-	78.14	34.77	8.71	33.98	101	292	A	H
		5437.12	53.51	-20.49	74	43.81	34.93	8.75	33.98	101	292	P	H
		5372.99	42.44	-11.56	54	32.83	34.87	8.72	33.98	101	292	A	H
		5121.65	53.2	-20.8	74	43.69	34.62	8.88	33.99	103	0	P	V
		5076.2	42.43	-11.57	54	32.83	34.58	9.01	33.99	103	0	A	V
	*	5270	102.67	-	-	93.17	34.77	8.71	33.98	103	0	P	V
	*	5270	92.62	-	-	83.12	34.77	8.71	33.98	103	0	A	V
		5372.66	53.67	-20.33	74	44.06	34.87	8.72	33.98	103	0	P	V
		5373.1	43.44	-10.56	54	33.83	34.87	8.72	33.98	103	0	A	V
802.11n HT40 CH 62 5310MHz		5067.95	53.03	-20.97	74	43.44	34.57	9.01	33.99	100	293	P	H
		5133.05	42.37	-11.63	54	32.85	34.63	8.88	33.99	100	293	A	H
	*	5310	96.8	-	-	87.24	34.82	8.72	33.98	100	293	P	H
	*	5310	86.84	-	-	77.28	34.82	8.72	33.98	100	293	A	H
		5350.77	56.4	-17.6	74	46.81	34.85	8.72	33.98	100	293	P	H
		5350.66	44.06	-9.94	54	34.47	34.85	8.72	33.98	100	293	A	H
		5092.7	52.57	-21.43	74	42.95	34.6	9.01	33.99	102	0	P	V
		5126.75	42.44	-11.56	54	32.92	34.63	8.88	33.99	102	0	A	V
	*	5310	102.43	-	-	92.87	34.82	8.72	33.98	102	0	P	V
	*	5310	92.45	-	-	82.89	34.82	8.72	33.98	102	0	A	V
		5355.61	64.82	-9.18	74	55.23	34.85	8.72	33.98	102	0	P	V
		5350	47.44	-6.56	54	37.85	34.85	8.72	33.98	102	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 54 5270MHz		10540	43.36	-30.64	74	53.18	37.42	13.16	60.4	100	0	P	H
		15810	46.94	-27.06	74	48.68	40.41	17.04	59.19	100	0	P	H
													H
													H
		10540	43.35	-30.65	74	53.17	37.42	13.16	60.4	100	0	P	V
		15810	47.14	-26.86	74	48.88	40.41	17.04	59.19	100	0	P	V
													V
802.11n HT40 CH 62 5310MHz		10620	42.21	-31.79	74	51.64	37.47	13.26	60.16	100	0	P	H
		15930	47.88	-26.12	74	49.38	40.53	17.04	59.07	100	0	P	H
													H
													H
		10620	45.02	-28.98	74	54.45	37.47	13.26	60.16	100	0	P	V
		15930	47.98	-26.02	74	49.48	40.53	17.04	59.07	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 58 5290MHz		5047.7	52.96	-21.04	74	43.33	34.55	9.07	33.99	101	292	P	H
		5054.75	42.46	-11.54	54	32.81	34.57	9.07	33.99	101	292	A	H
	*	5290	94.65	-	-	85.14	34.78	8.71	33.98	101	292	P	H
	*	5290	84.09	-	-	74.58	34.78	8.71	33.98	101	292	A	H
		5358.25	54.89	-19.11	74	45.3	34.85	8.72	33.98	101	292	P	H
		5350.55	43.23	-10.77	54	33.64	34.85	8.72	33.98	101	292	A	H
		5068.4	53.31	-20.69	74	43.72	34.57	9.01	33.99	116	0	P	V
		5070.5	42.5	-11.5	54	32.91	34.57	9.01	33.99	116	0	A	V
	*	5290	98.53	-	-	89.02	34.78	8.71	33.98	116	0	P	V
	*	5290	88.48	-	-	78.97	34.78	8.71	33.98	116	0	A	V
		5357.15	60.23	-13.77	74	50.64	34.85	8.72	33.98	116	0	P	V
		5350.55	46.85	-7.15	54	37.26	34.85	8.72	33.98	116	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 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.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11ac VHT80 CH 58 5290MHz		10580	42.89	-31.11	74	52.47	37.45	13.23	60.26	100	0	P	H	
		15870	47.04	-26.96	74	48.64	40.48	17.04	59.12	100	0	P	H	
													H	
													H	
			10580	43.74	-30.26	74	53.32	37.45	13.23	60.26	100	0	P	V
			15870	47.67	-26.33	74	49.27	40.48	17.04	59.12	100	0	P	V
														V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



15E Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 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.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 100 5500MHz		5467.28	53.71	-20.29	74	43.94	34.97	8.78	33.98	100	299	P	H	
		5447.6	42.84	-11.16	54	33.12	34.95	8.75	33.98	100	299	A	H	
	*	5502	95.68	-	-	85.86	35	8.8	33.98	100	299	P	H	
	*	5502	85.44	-	-	75.62	35	8.8	33.98	100	299	A	H	
													H	
														H
			5447.44	55.54	-18.46	74	45.82	34.95	8.75	33.98	100	350	P	V
			5447.92	45.01	-8.99	54	35.29	34.95	8.75	33.98	100	350	A	V
	*		5498	106.5	-	-	96.7	34.98	8.8	33.98	100	350	P	V
	*		5498	96.2	-	-	86.4	34.98	8.8	33.98	100	350	A	V
														V
														V
802.11a CH 116 5580MHz		5419.44	53.17	-20.83	74	43.5	34.92	8.73	33.98	102	21	P	H	
		5463.12	42.55	-11.45	54	32.78	34.97	8.78	33.98	102	21	A	H	
	*	5578	99.04	-	-	89.08	35.05	8.9	33.99	102	21	P	H	
	*	5578	89.1	-	-	79.14	35.05	8.9	33.99	102	21	A	H	
			5746.6	54.9	-19.1	74	44.53	35.14	9.22	33.99	102	21	P	H
			5749.4	43.12	-10.88	54	32.75	35.14	9.22	33.99	102	21	A	H
			5437.52	53.62	-20.38	74	43.92	34.93	8.75	33.98	122	350	P	V
			5439.44	42.53	-11.47	54	32.83	34.93	8.75	33.98	122	350	A	V
	*		5582	105.39	-	-	95.43	35.05	8.9	33.99	122	350	P	V
	*		5582	95.13	-	-	85.17	35.05	8.9	33.99	122	350	A	V
			5743.72	54.37	-19.63	74	44	35.14	9.22	33.99	122	350	P	V
			5755.24	43.21	-10.79	54	32.82	35.16	9.22	33.99	122	350	A	V



802.11a CH 140 5700MHz	*	5698	101.65	-	-	91.42	35.11	9.11	33.99	114	7	P	H
	*	5698	90.81	-	-	80.58	35.11	9.11	33.99	114	7	A	H
		5727.32	53.76	-20.24	74	43.46	35.13	9.16	33.99	114	7	P	H
		5752.6	43.73	-10.27	54	33.34	35.16	9.22	33.99	114	7	A	H
													H
													H
	*	5702	106.08	-	-	95.85	35.11	9.11	33.99	121	350	P	V
	*	5702	95.58	-	-	85.35	35.11	9.11	33.99	121	350	A	V
		5752.6	55.09	-18.91	74	44.7	35.16	9.22	33.99	121	350	P	V
		5752.36	44.47	-9.53	54	34.08	35.16	9.22	33.99	121	350	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		11000	43.29	-30.71	74	50.91	37.7	13.78	59.1	100	0	P	H
		16500	46.47	-27.53	74	46.73	41.2	17.44	58.9	100	0	P	H
													H
													H
		11000	43.19	-30.81	74	50.81	37.7	13.78	59.1	100	0	P	V
		16500	46.72	-27.28	74	46.98	41.2	17.44	58.9	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	44.54	-29.46	74	51.62	37.83	13.99	58.9	100	0	P	H
		16740	46.92	-27.08	74	46.81	41.25	17.62	58.76	100	0	P	H
													H
													H
		11160	44.45	-29.55	74	51.53	37.83	13.99	58.9	100	0	P	V
		16740	48.44	-25.56	74	48.33	41.25	17.62	58.76	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	44.26	-29.74	74	50.52	38.02	14.34	58.62	100	0	P	H
		17100	46.47	-27.53	74	45.96	41.22	17.89	58.6	100	0	P	H
													H
													H
		11400	44.38	-29.62	74	50.64	38.02	14.34	58.62	100	0	P	V
		17100	47.7	-26.3	74	47.19	41.22	17.89	58.6	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 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.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT20 CH 100 5500MHz		5423.92	53.52	-20.48	74	43.85	34.92	8.73	33.98	108	295	P	H	
		5447.12	42.98	-11.02	54	33.26	34.95	8.75	33.98	108	295	A	H	
	*	5502	98.5	-	-	88.65	35	8.83	33.98	108	295	P	H	
	*	5502	87.68	-	-	77.83	35	8.83	33.98	108	295	A	H	
													H	
														H
			5448.24	55.15	-18.85	74	45.43	34.95	8.75	33.98	138	354	P	V
			5448.08	45.47	-8.53	54	35.75	34.95	8.75	33.98	138	354	A	V
	*		5498	105.55	-	-	95.7	35	8.83	33.98	138	354	P	V
	*		5498	95.22	-	-	85.37	35	8.83	33.98	138	354	A	V
														V
														V
802.11n HT20 CH 116 5580MHz		5427.6	53.22	-20.78	74	43.53	34.92	8.75	33.98	140	16	P	H	
		5444.56	42.51	-11.49	54	32.81	34.93	8.75	33.98	140	16	A	H	
	*	5582	99.96	-	-	90.02	35.04	8.88	33.98	140	16	P	H	
	*	5582	89.55	-	-	79.61	35.04	8.88	33.98	140	16	A	H	
			5751.4	54.01	-19.99	74	43.64	35.14	9.22	33.99	140	16	P	H
			5750.04	43.06	-10.94	54	32.69	35.14	9.22	33.99	140	16	A	H
			5441.52	53.01	-20.99	74	43.31	34.93	8.75	33.98	135	349	P	V
			5463.76	42.49	-11.51	54	32.72	34.97	8.78	33.98	135	349	A	V
	*		5578	105.48	-	-	95.54	35.04	8.88	33.98	135	349	P	V
	*		5578	95.01	-	-	85.07	35.04	8.88	33.98	135	349	A	V
			5753.56	54	-20	74	43.61	35.16	9.22	33.99	135	349	P	V
			5761.32	43.56	-10.44	54	33.13	35.16	9.27	34	135	349	A	V



802.11n HT20 CH 140 5700MHz	*	5702	101.27	-	-	90.98	35.12	9.16	33.99	138	20	P	H
	*	5702	91.14	-	-	80.85	35.12	9.16	33.99	138	20	A	H
		5755.56	53.74	-20.26	74	43.35	35.16	9.22	33.99	138	20	P	H
		5751.8	43.83	-10.17	54	33.44	35.16	9.22	33.99	138	20	A	H
													H
													H
	*	5698	105.92	-	-	95.69	35.11	9.11	33.99	106	186	P	V
	*	5698	95.6	-	-	85.37	35.11	9.11	33.99	106	186	A	V
		5727	56.23	-17.77	74	45.93	35.13	9.16	33.99	106	186	P	V
		5751.96	45.37	-8.63	54	34.98	35.16	9.22	33.99	106	186	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 100 5500MHz		11000	42.8	-31.2	74	50.42	37.7	13.78	59.1	100	0	P	H
		16500	46.85	-27.15	74	47.11	41.2	17.44	58.9	100	0	P	H
													H
													H
		11000	44.84	-29.16	74	52.46	37.7	13.78	59.1	100	0	P	V
		16500	47.11	-26.89	74	47.37	41.2	17.44	58.9	100	0	P	V
													V
802.11n HT20 CH 116 5580MHz		11160	43.36	-30.64	74	50.44	37.83	13.99	58.9	100	0	P	H
		16740	46.82	-27.18	74	46.71	41.25	17.62	58.76	100	0	P	H
													H
													H
		11160	44.06	-29.94	74	51.14	37.83	13.99	58.9	100	0	P	V
		16740	47.27	-26.73	74	47.16	41.25	17.62	58.76	100	0	P	V
													V
802.11n HT20 CH 140 5700MHz		11400	43.17	-30.83	74	49.43	38.02	14.34	58.62	100	0	P	H
		17100	47.02	-26.98	74	46.51	41.22	17.89	58.6	100	0	P	H
													H
													H
		11400	45	-29	74	51.26	38.02	14.34	58.62	100	0	P	V
		17100	46.94	-27.06	74	46.43	41.22	17.89	58.6	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		5468.56	53.51	-20.49	74	43.74	34.97	8.78	33.98	104	6	P	H
		5468.88	43.06	-10.94	54	33.29	34.97	8.78	33.98	104	6	A	H
	*	5510	95.18	-	-	85.33	35	8.83	33.98	104	6	P	H
	*	5510	84.14	-	-	74.29	35	8.83	33.98	104	6	A	H
		5738.2	53.83	-20.17	74	43.46	35.14	9.22	33.99	104	6	P	H
		5740.04	43.05	-10.95	54	32.68	35.14	9.22	33.99	104	6	A	H
		5464.72	62.24	-11.76	74	52.47	34.97	8.78	33.98	100	353	P	V
		5469.2	46.35	-7.65	54	36.58	34.97	8.78	33.98	100	353	A	V
	*	5510	104.14	-	-	94.29	35	8.83	33.98	100	353	P	V
	*	5510	94.96	-	-	85.11	35	8.83	33.98	100	353	A	V
		5741.72	53.69	-20.31	74	43.32	35.14	9.22	33.99	100	353	P	V
		5746.6	43.02	-10.98	54	32.65	35.14	9.22	33.99	100	353	A	V
802.11n HT40 CH 110 5550MHz		5454.48	53.18	-20.82	74	43.43	34.95	8.78	33.98	101	19	P	H
		5410	42.61	-11.39	54	32.96	34.9	8.73	33.98	101	19	A	H
	*	5550	95.33	-	-	85.43	35.03	8.85	33.98	101	19	P	H
	*	5550	85.11	-	-	75.21	35.03	8.85	33.98	101	19	A	H
		5738.12	54.06	-19.94	74	43.69	35.14	9.22	33.99	101	19	P	H
		5741.88	42.87	-11.13	54	32.5	35.14	9.22	33.99	101	19	A	H
		5446.16	54.15	-19.85	74	44.43	34.95	8.75	33.98	100	354	P	V
		5446	43.56	-10.44	54	33.84	34.95	8.75	33.98	100	354	A	V
	*	5550	104.05	-	-	94.15	35.03	8.85	33.98	100	354	P	V
	*	5550	94.15	-	-	84.25	35.03	8.85	33.98	100	354	A	V
		5745.72	53.47	-20.53	74	43.1	35.14	9.22	33.99	100	354	P	V
		5733.8	42.96	-11.04	54	32.6	35.13	9.22	33.99	100	354	A	V



802.11n HT40 CH 134 5670MHz		5440.72	52.57	-21.43	74	42.87	34.93	8.75	33.98	100	18	P	H
		5435.76	42.43	-11.57	54	32.73	34.93	8.75	33.98	100	18	A	H
	*	5670	97.72	-	-	87.55	35.1	9.06	33.99	100	18	P	H
	*	5670	87.71	-	-	77.54	35.1	9.06	33.99	100	18	A	H
		5726.76	54.17	-19.83	74	43.87	35.13	9.16	33.99	100	18	P	H
		5738.92	43.05	-10.95	54	32.68	35.14	9.22	33.99	100	18	A	H
		5452.56	52.98	-21.02	74	43.23	34.95	8.78	33.98	109	351	P	V
		5463.44	42.58	-11.42	54	32.81	34.97	8.78	33.98	109	351	A	V
	*	5670	104.81	-	-	94.64	35.1	9.06	33.99	109	351	P	V
	*	5670	94.28	-	-	84.11	35.1	9.06	33.99	109	351	A	V
		5730.68	54.12	-19.88	74	43.76	35.13	9.22	33.99	109	351	P	V
		5725.4	43.03	-10.97	54	32.73	35.13	9.16	33.99	109	351	A	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.
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15E band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		11020	42.24	-31.76	74	49.79	37.71	13.82	59.08	100	0	P	H
		16530	47.14	-26.86	74	47.35	41.21	17.46	58.88	100	0	P	H
													H
													H
		11020	44.34	-29.66	74	51.89	37.71	13.82	59.08	100	0	P	V
		16530	48.21	-25.79	74	48.42	41.21	17.46	58.88	100	0	P	V
													V
802.11n HT40 CH 110 5550MHz		11100	42.42	-31.58	74	49.7	37.78	13.92	58.98	100	0	P	H
		16650	46.62	-27.38	74	46.64	41.23	17.56	58.81	100	0	P	H
													H
													H
		11100	44.01	-29.99	74	51.29	37.78	13.92	58.98	100	0	P	V
		16650	46.09	-27.91	74	46.11	41.23	17.56	58.81	100	0	P	V
													V
802.11n HT40 CH 134 5670MHz		11340	43.23	-30.77	74	49.72	37.97	14.24	58.7	100	0	P	H
		17010	47.74	-26.26	74	47.22	41.29	17.83	58.6	100	0	P	H
													H
													H
		11340	44.94	-29.06	74	51.43	37.97	14.24	58.7	100	0	P	V
		17010	47.53	-26.47	74	47.01	41.29	17.83	58.6	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 106 5530MHz		5458.64	53.31	-20.69	74	43.56	34.95	8.78	33.98	100	299	P	H
		5469.2	43.09	-10.91	54	33.32	34.97	8.78	33.98	100	299	A	H
	*	5530	89.89	-	-	80.01	35.01	8.85	33.98	100	299	P	H
	*	5530	79.35	-	-	69.47	35.01	8.85	33.98	100	299	A	H
		5737.4	54.66	-19.34	74	44.29	35.14	9.22	33.99	100	299	P	H
		5753.72	43.19	-10.81	54	32.8	35.16	9.22	33.99	100	299	A	H
		5469.36	58.72	-15.28	74	48.95	34.97	8.78	33.98	111	351	P	V
		5470	45.82	-8.18	54	36.05	34.97	8.78	33.98	111	351	A	V
	*	5530	99.74	-	-	89.86	35.01	8.85	33.98	111	351	P	V
	*	5530	89.54	-	-	79.66	35.01	8.85	33.98	111	351	A	V
		5744.52	54.1	-19.9	74	43.73	35.14	9.22	33.99	111	351	P	V
		5758.36	43.14	-10.86	54	32.71	35.16	9.27	34	111	351	A	V
802.11ac VHT80 CH 122 5610MHz		5414.96	53.4	-20.6	74	43.73	34.92	8.73	33.98	102	19	P	H
		5468.24	42.54	-11.46	54	32.77	34.97	8.78	33.98	102	19	A	H
	*	5610	92.64	-	-	82.62	35.06	8.95	33.99	102	19	P	H
	*	5610	82.25	-	-	72.23	35.06	8.95	33.99	102	19	A	H
		5731.16	53.71	-20.29	74	43.35	35.13	9.22	33.99	102	19	P	H
		5740.52	43.11	-10.89	54	32.74	35.14	9.22	33.99	102	19	A	H
		5381.36	53.24	-20.76	74	43.61	34.88	8.73	33.98	123	349	P	V
		5459.44	42.62	-11.38	54	32.87	34.95	8.78	33.98	123	349	A	V
	*	5610	101.06	-	-	91.04	35.06	8.95	33.99	123	349	P	V
	*	5610	90.33	-	-	80.31	35.06	8.95	33.99	123	349	A	V
		5730.2	53.28	-20.72	74	42.98	35.13	9.16	33.99	123	349	P	V
		5742.04	43.08	-10.92	54	32.71	35.14	9.22	33.99	123	349	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 106 5530MHz		11060	43.83	-30.17	74	51.21	37.75	13.89	59.02	100	0	P	H
		16590	46.65	-27.35	74	46.78	41.22	17.5	58.85	100	0	P	H
													H
													H
		11060	43.11	-30.89	74	50.49	37.75	13.89	59.02	100	0	P	V
		16590	46.46	-27.54	74	46.59	41.22	17.5	58.85	100	0	P	V
													V
802.11ac VHT80 CH 122 5610MHz		11220	41.81	-32.19	74	48.68	37.87	14.1	58.84	100	0	P	H
		16830	47.57	-26.43	74	47.3	41.27	17.7	58.7	100	0	P	H
													H
													H
		11220	44.94	-29.06	74	51.81	37.87	14.1	58.84	100	0	P	V
		16830	46.95	-27.05	74	46.68	41.27	17.7	58.7	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Emission below 1GHz

WIFI 802.11a (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.		
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a LF		60.24	19.89	-20.11	40	44.19	6.6	0.87	31.77			P	H	
		101.55	21.52	-21.98	43.5	41.04	11.12	1.11	31.75			P	H	
		182.55	24.72	-18.78	43.5	45.83	9.18	1.46	31.75	173	205	P	H	
		364.4	22.58	-23.42	46	37.4	14.85	2.11	31.78			P	H	
		546.4	22.12	-23.88	46	32.23	19.34	2.54	31.99			P	H	
		769	25.1	-20.9	46	33.91	20.11	3.05	31.97			P	H	
														H
														H
														H
														H
														H
														H
														H
			34.86	27.81	-12.19	40	43.41	15.5	0.69	31.79	100	67	P	V
			41.34	24.75	-15.25	40	44.21	11.58	0.75	31.79			P	V
			87.24	23.91	-16.09	40	46.51	8.12	1.04	31.76			P	V
			455.4	24.01	-21.99	46	36.49	17.08	2.32	31.88			P	V
			546.4	26.4	-19.6	46	36.51	19.34	2.54	31.99			P	V
			769	24.72	-21.28	46	33.53	20.11	3.05	31.97			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 per 15.209(c).
!	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.	
1		(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”.



15E band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 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)
802.11ac VHT80 CH 42 5210MHz		5149.25	58.51	-15.49	74	49.03	34.65	8.82	33.99	102	304	P	H
		5149.4	45.48	-8.52	54	36	34.65	8.82	33.99	102	304	A	H
	*	5210	97.83	-	-	88.4	34.72	8.7	33.99	102	304	P	H
	*	5210	87.4	-	-	77.97	34.72	8.7	33.99	102	304	A	H
		5443.5	53.02	-20.98	74	43.32	34.93	8.75	33.98	102	304	P	H
		5419.96	42.65	-11.35	54	32.98	34.92	8.73	33.98	102	304	A	H
		5148.95	57.59	-16.41	74	48.11	34.65	8.82	33.99	104	28	P	V
		5147	44.24	-9.76	54	34.76	34.65	8.82	33.99	104	28	A	V
	*	5210	94.93	-	-	85.5	34.72	8.7	33.99	104	28	P	V
	*	5210	85.32	-	-	75.89	34.72	8.7	33.99	104	28	A	V
		5400.27	53.43	-20.57	74	43.78	34.9	8.73	33.98	104	28	P	V
	5451.86	42.58	-11.42	54	32.83	34.95	8.78	33.98	104	28	A	V	
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												



15E band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 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)	
802.11ac VHT80 CH 42 5210MHz		10420	42.98	-31.02	74	53.28	37.33	12.99	60.62	100	0	P	H	
		15630	47.89	-26.11	74	49.99	40.24	17.02	59.36	100	0	P	H	
													H	
													H	
			10420	43.78	-30.22	74	54.08	37.33	12.99	60.62	100	0	P	V
			15630	47.25	-26.75	74	49.35	40.24	17.02	59.36	100	0	P	V
														V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.													



15E Emission below 1GHz

WIFI 802.11a (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)	
802.11a LF		60.24	19.89	-20.11	40	44.19	6.6	0.87	31.77			P	H	
		101.55	21.52	-21.98	43.5	41.04	11.12	1.11	31.75			P	H	
		182.55	24.72	-18.78	43.5	45.83	9.18	1.46	31.75	173	205	P	H	
		364.4	22.58	-23.42	46	37.4	14.85	2.11	31.78			P	H	
		546.4	22.12	-23.88	46	32.23	19.34	2.54	31.99			P	H	
		769	25.1	-20.9	46	33.91	20.11	3.05	31.97			P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			34.86	27.81	-12.19	40	43.41	15.5	0.69	31.79	100	67	P	V
			41.34	24.75	-15.25	40	44.21	11.58	0.75	31.79			P	V
			87.24	23.91	-16.09	40	46.51	8.12	1.04	31.76			P	V
			455.4	24.01	-21.99	46	36.49	17.08	2.32	31.88			P	V
			546.4	26.4	-19.6	46	36.51	19.34	2.54	31.99			P	V
			769	24.72	-21.28	46	33.53	20.11	3.05	31.97			P	V
													V	
												V		
												V		
												V		
												V		
												V		
Remark	3. No other spurious found. 4. 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 per 15.209(c).
!	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.	
1		(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

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

For Peak Limit @ 2390MHz:

- 3. 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)
- 4. Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

- 3. 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)
- 4. 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”.