



Appendix B. Radiated Spurious Emission

15E Band 4 - 5725~5850MHz

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.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5711.4	58.52	-15.48	74	44.86	35.22	12.26	33.82	100	335	P	H
		5724.92	76.24	-2.06	78.3	62.57	35.23	12.26	33.82	100	335	P	H
		5715	45.53	-8.47	54	31.87	35.22	12.26	33.82	100	335	A	H
	*	5745	112.49	-	-	98.74	35.24	12.33	33.82	100	335	P	H
	*	5745	98.53	-	-	84.78	35.24	12.33	33.82	100	335	A	H
													H
													H
													H
		5711.16	60.73	-13.27	74	47.07	35.22	12.26	33.82	232	346	P	V
		5724.6	77.44	-0.86	78.3	63.77	35.23	12.26	33.82	232	346	P	V
		5714.92	46.07	-7.93	54	32.41	35.22	12.26	33.82	232	346	A	V
	*	5745	118.2	-	-	104.45	35.24	12.33	33.82	232	346	P	V
	*	5745	105.91	-	-	92.16	35.24	12.33	33.82	232	346	A	V
													V
													V
													V



WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 157 5785MHz		5692.6	57.71	-16.29	74	44.14	35.21	12.18	33.82	100	335	P	H
		5718.36	58.29	-20.01	78.3	44.62	35.23	12.26	33.82	100	335	P	H
		5698.36	43.43	-10.57	54	29.86	35.21	12.18	33.82	100	335	A	H
	*	5785	113.72	-	-	99.87	35.27	12.4	33.82	100	335	P	H
	*	5785	99.74	-	-	85.89	35.27	12.4	33.82	100	335	A	H
		5852.32	57.4	-20.9	78.3	43.46	35.31	12.45	33.82	100	335	P	H
		5870.16	57.54	-16.46	74	43.56	35.32	12.49	33.83	100	335	P	H
		5869.36	43.58	-10.42	54	29.6	35.32	12.49	33.83	100	335	A	H
		5712.04	57.81	-16.19	74	44.15	35.22	12.26	33.82	319	213	P	V
		5717.16	56.37	-21.93	78.3	42.71	35.22	12.26	33.82	319	213	P	V
		5711.56	43.68	-10.32	54	30.02	35.22	12.26	33.82	319	213	A	V
	*	5785	118.88	-	-	105.03	35.27	12.4	33.82	319	213	P	V
	*	5785	106	-	-	92.15	35.27	12.4	33.82	319	213	A	V
		5858.72	56.77	-21.53	78.3	42.83	35.32	12.45	33.83	319	213	P	V
		5875.6	58.19	-15.81	74	44.2	35.33	12.49	33.83	319	213	P	V
		5868.16	44.35	-9.65	54	30.37	35.32	12.49	33.83	319	213	A	V



WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 165 5825MHz	*	5825	113.4	-	-	99.47	35.3	12.45	33.82	100	335	P	H
	*	5825	99.34	-	-	85.41	35.3	12.45	33.82	100	335	A	H
		5850.08	74.16	-4.14	78.3	60.22	35.31	12.45	33.82	100	335	P	H
		5860.24	62.31	-11.69	74	48.33	35.32	12.49	33.83	100	335	P	H
		5860	47.09	-6.91	54	33.15	35.32	12.45	33.83	100	335	A	H
													H
													H
													H
	*	5825	119.08	-	-	105.15	35.3	12.45	33.82	311	212	P	V
	*	5825	106.21	-	-	92.28	35.3	12.45	33.82	311	212	A	V
		5850.08	66.26	-12.04	78.3	52.32	35.31	12.45	33.82	311	212	P	V
		5861.2	60.16	-13.84	74	46.18	35.32	12.49	33.83	311	212	P	V
		5860	44.7	-9.3	54	30.76	35.32	12.45	33.83	311	212	A	V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 4 5725~5850MHz

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.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		11485	52.74	-21.26	74	55.01	38.19	17.38	57.84	100	0	P	H
		17235	49.83	-24.17	74	42.78	42.21	21.38	56.54	100	0	P	H
													H
													H
		11495	59.68	-14.32	74	61.95	38.19	17.38	57.84	318	67	P	V
		11495	43.98	-10.02	54	46.25	38.19	17.38	57.84	318	67	A	V
		17235	52.05	-21.95	74	45	42.21	21.38	56.54	100	0	P	V
													V
802.11a CH 157 5785MHz		11570	62.63	-11.37	74	64.56	38.3	17.46	57.69	394	165	P	H
		11570	45.07	-8.93	54	47	38.3	17.46	57.69	394	165	A	H
		17355	50.16	-23.84	74	43.2	42.12	21.45	56.61	100	0	P	H
													H
		11575	68.45	-5.55	74	70.38	38.3	17.46	57.69	395	74	P	V
		11575	50.63	-3.37	54	52.56	38.3	17.46	57.69	395	74	A	V
		17355	58.54	-15.46	74	51.58	42.12	21.45	56.61	299	51	P	V
		17355	41.58	-12.42	54	34.62	42.12	21.45	56.61	299	51	A	V
802.11a CH 165 5825MHz		11650	65.27	-8.73	74	66.93	38.39	17.53	57.58	394	150	P	H
		11650	47.64	-6.36	54	49.3	38.39	17.53	57.58	394	150	A	H
		17475	50.39	-23.61	74	43.51	42.03	21.53	56.68	100	0	P	H
													H
		11655	69.51	-4.49	74	71.11	38.42	17.53	57.55	395	72	P	V
		11655	52.09	-1.91	54	53.69	38.42	17.53	57.55	395	72	A	V
		17466	51.56	-22.44	74	44.68	42.03	21.53	56.68	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (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.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 CH 149 5745MHz		5701.24	59.01	-14.99	74	45.35	35.22	12.26	33.82	100	335	P	H
		5724.92	75.53	-2.77	78.3	61.86	35.23	12.26	33.82	100	335	P	H
		5714.76	45.39	-8.61	54	31.73	35.22	12.26	33.82	100	335	A	H
	*	5745	111.06	-	-	97.31	35.24	12.33	33.82	100	335	P	H
	*	5745	98.05	-	-	84.3	35.24	12.33	33.82	100	335	A	H
													H
													H
													H
		5709.56	60.8	-13.2	74	47.14	35.22	12.26	33.82	302	210	P	V
		5725	67.96	-10.34	78.3	54.29	35.23	12.26	33.82	302	210	P	V
		5711.32	45.64	-8.36	54	31.98	35.22	12.26	33.82	302	210	A	V
	*	5745	117.39	-	-	103.64	35.24	12.33	33.82	302	210	P	V
	*	5745	104.94	-	-	91.19	35.24	12.33	33.82	302	210	A	V
													V
													V
													V



WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 CH 157 5785MHz		5712.68	58.19	-15.81	74	44.53	35.22	12.26	33.82	100	352	P	H
		5720.12	58.54	-19.76	78.3	44.87	35.23	12.26	33.82	100	352	P	H
		5703.8	43.83	-10.17	54	30.17	35.22	12.26	33.82	100	352	A	H
	*	5785	112.63	-	-	98.78	35.27	12.4	33.82	100	352	P	H
	*	5785	100.81	-	-	86.96	35.27	12.4	33.82	100	352	A	H
		5855.36	57.7	-20.6	78.3	43.75	35.32	12.45	33.82	100	352	P	H
		5866.4	57.19	-16.81	74	43.21	35.32	12.49	33.83	100	352	P	H
		5862.4	43.92	-10.08	54	29.94	35.32	12.49	33.83	100	352	A	H
		5701.32	57.65	-16.35	74	43.99	35.22	12.26	33.82	232	348	P	V
		5720.52	57.59	-20.71	78.3	43.92	35.23	12.26	33.82	232	348	P	V
		5702.28	44.16	-9.84	54	30.5	35.22	12.26	33.82	232	348	A	V
	*	5785	117.12	-	-	103.27	35.27	12.4	33.82	232	348	P	V
	*	5785	105.95	-	-	92.1	35.27	12.4	33.82	232	348	A	V
		5851.92	57.57	-20.73	78.3	43.63	35.31	12.45	33.82	232	348	P	V
		5881.36	57.94	-16.06	74	43.95	35.33	12.49	33.83	232	348	P	V
		5860	44.54	-9.46	54	30.6	35.32	12.45	33.83	232	348	A	V



WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 CH 165 5825MHz	*	5825	112.16	-	-	98.23	35.3	12.45	33.82	100	352	P	H
	*	5825	99.84	-	-	85.91	35.3	12.45	33.82	100	352	A	H
		5850	71.18	-2.82	74	57.24	35.31	12.45	33.82	100	352	P	H
		5861.04	60.74	-13.26	74	46.76	35.32	12.49	33.83	100	352	P	H
		5860.24	46.32	-7.68	54	32.34	35.32	12.49	33.83	100	352	A	H
													H
													H
													H
	*	5825	117.25	-	-	103.32	35.3	12.45	33.82	254	162	P	V
	*	5825	106.04	-	-	92.11	35.3	12.45	33.82	254	162	A	V
		5850.16	68.86	-9.44	78.3	54.92	35.31	12.45	33.82	254	162	P	V
		5862.64	58.6	-15.4	74	44.62	35.32	12.49	33.83	254	162	P	V
		5865.6	44.88	-9.12	54	30.9	35.32	12.49	33.83	254	162	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 4 5725~5850MHz

WIFI 802.11ac VHT20 (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.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 CH 149 5745MHz		11490	52.65	-21.35	74	54.92	38.19	17.38	57.84	100	0	P	H
		17235	49.05	-24.95	74	42	42.21	21.38	56.54	100	0	P	H
													H
													H
		11490	60.13	-13.87	74	62.4	38.19	17.38	57.84	394	72	P	V
		11490	44.52	-9.48	54	46.79	38.19	17.38	57.84	394	72	A	V
		17235	51.35	-22.65	74	44.3	42.21	21.38	56.54	100	0	P	V
													V
802.11ac VHT20 CH 157 5785MHz		11565	61.19	-12.81	74	63.18	38.27	17.46	57.72	395	160	P	H
		11565	44.96	-9.04	54	46.95	38.27	17.46	57.72	395	160	A	H
		17355	49.04	-24.96	74	42.08	42.12	21.45	56.61	100	0	P	H
													H
		11570	66.69	-7.31	74	68.62	38.3	17.46	57.69	388	73	P	V
		11570	49.72	-4.28	54	51.65	38.3	17.46	57.69	388	73	A	V
		17346	52.88	-21.12	74	45.92	42.12	21.45	56.61	100	0	P	V
													V
802.11ac VHT20 CH 165 5825MHz		11645	59.24	-14.76	74	60.9	38.39	17.53	57.58	395	166	P	H
		11645	42.77	-11.23	54	44.43	38.39	17.53	57.58	395	166	A	H
		17475	49.88	-24.12	74	43	42.03	21.53	56.68	100	0	P	H
													H
		11645	65.96	-8.04	74	67.62	38.39	17.53	57.58	395	72	P	V
		11645	49.36	-4.64	54	51.02	38.39	17.53	57.58	395	72	A	V
		17475	51.28	-22.72	74	44.4	42.03	21.53	56.68	100	0	P	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (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.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 CH 151 5755MHz		5714.84	58.32	-15.68	74	44.66	35.22	12.26	33.82	100	156	P	H
		5721.88	67.64	-10.66	78.3	53.97	35.23	12.26	33.82	100	156	P	H
		5715	45.91	-8.09	54	32.25	35.22	12.26	33.82	100	156	A	H
	*	5755	104.36	-	-	90.59	35.26	12.33	33.82	100	156	P	H
	*	5755	94.37	-	-	80.6	35.26	12.33	33.82	100	156	A	H
		5852.48	57.59	-20.71	78.3	43.65	35.31	12.45	33.82	100	156	P	H
		5877.04	57.16	-16.84	74	43.17	35.33	12.49	33.83	100	156	P	H
		5862.48	44.55	-9.45	54	30.57	35.32	12.49	33.83	100	156	A	H
		5714.92	66.16	-7.84	74	52.5	35.22	12.26	33.82	314	160	P	V
		5719	76.04	-2.26	78.3	62.37	35.23	12.26	33.82	314	160	P	V
		5715	53.1	-0.9	54	39.44	35.22	12.26	33.82	314	160	A	V
	*	5755	113.78	-	-	100.01	35.26	12.33	33.82	314	160	P	V
	*	5755	103.75	-	-	89.98	35.26	12.33	33.82	314	160	A	V
		5855.04	58.63	-19.67	78.3	44.68	35.32	12.45	33.82	314	160	P	V
		5880.56	57.68	-16.32	74	43.69	35.33	12.49	33.83	314	160	P	V
		5860.48	44.96	-9.04	54	30.98	35.32	12.49	33.83	314	160	A	V



WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 CH 159 5795MHz		5708.76	57.24	-16.76	74	43.58	35.22	12.26	33.82	100	156	P	H
		5718.04	57.12	-21.18	78.3	43.45	35.23	12.26	33.82	100	156	P	H
		5712.12	44.12	-9.88	54	30.46	35.22	12.26	33.82	100	156	A	H
	*	5795	104.86	-	-	91	35.28	12.4	33.82	100	156	P	H
	*	5795	95.36	-	-	81.5	35.28	12.4	33.82	100	156	A	H
		5854	58.42	-19.88	78.3	44.47	35.32	12.45	33.82	100	156	P	H
		5862.56	57.91	-16.09	74	43.93	35.32	12.49	33.83	100	156	P	H
		5860.08	44.67	-9.33	54	30.69	35.32	12.49	33.83	100	156	A	H
		5686.12	58.13	-15.87	74	44.56	35.21	12.18	33.82	308	160	P	V
		5722.92	58.38	-19.92	78.3	44.71	35.23	12.26	33.82	308	160	P	V
		5703.64	44.74	-9.26	54	31.08	35.22	12.26	33.82	308	160	A	V
	*	5795	114.04	-	-	100.18	35.28	12.4	33.82	308	160	P	V
	*	5795	104.35	-	-	90.49	35.28	12.4	33.82	308	160	A	V
		5850.16	60.16	-18.14	78.3	46.22	35.31	12.45	33.82	308	160	P	V
		5863.04	58.6	-15.4	74	44.62	35.32	12.49	33.83	308	160	P	V
		5860.16	45.94	-8.06	54	31.96	35.32	12.49	33.83	308	160	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



15E Band 4 5725~5850MHz

WIFI 802.11ac VHT40 (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.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 CH 151 5755MHz		11515	48.8	-25.2	74	50.93	38.22	17.42	57.77	100	0	P	H
		17265	49.12	-24.88	74	42.09	42.19	21.4	56.56	100	0	P	H
													H
													H
		11515	51.5	-22.5	74	53.63	38.22	17.42	57.77	100	0	P	V
		17265	49.52	-24.48	74	42.49	42.19	21.4	56.56	100	0	P	V
													V
													V
802.11ac VHT40 CH 159 5795MHz		11590	45.79	-28.21	74	47.63	38.32	17.5	57.66	100	0	P	H
		17385	50	-24	74	43.06	42.09	21.48	56.63	100	0	P	H
													H
													H
		11590	49.93	-24.07	74	51.77	38.32	17.5	57.66	100	0	P	V
		17385	48.52	-25.48	74	41.58	42.09	21.48	56.63	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 4 5725~5850MHz

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.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 155 5775MHz		5714.6	68.95	-5.05	74	55.29	35.22	12.26	33.82	100	328	P	H
		5723.32	74.89	-3.41	78.3	61.22	35.23	12.26	33.82	100	328	P	H
		5714.52	53.74	-0.26	54	40.08	35.22	12.26	33.82	100	328	A	H
	*	5775	96.14	-	-	82.36	35.27	12.33	33.82	100	328	P	H
	*	5775	85.79	-	-	72.01	35.27	12.33	33.82	100	328	A	H
		5850.72	60.57	-17.73	78.3	46.63	35.31	12.45	33.82	100	328	P	H
		5860.16	59.34	-14.66	74	45.36	35.32	12.49	33.83	100	328	P	H
		5860.32	46.56	-7.44	54	32.58	35.32	12.49	33.83	100	328	A	H
		5715	66.79	-7.21	74	53.13	35.22	12.26	33.82	116	295	P	V
		5724.44	72.75	-5.55	78.3	59.08	35.23	12.26	33.82	116	295	P	V
		5715	52.83	-1.17	54	39.17	35.22	12.26	33.82	116	295	A	V
	*	5775	94.6	-	-	80.82	35.27	12.33	33.82	116	295	P	V
	*	5775	84.13	-	-	70.35	35.27	12.33	33.82	116	295	A	V
		5852.72	59.41	-18.89	78.3	45.47	35.31	12.45	33.82	116	295	P	V
		5864.8	58.55	-15.45	74	44.57	35.32	12.49	33.83	116	295	P	V
		5861.76	45.68	-8.32	54	31.7	35.32	12.49	33.83	116	295	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**15E Band 4 5725~5850MHz****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.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 155 5775MHz		11550	49.63	-24.37	74	51.62	38.27	17.46	57.72	100	0	P	H
		17325	50.47	-23.53	74	43.48	42.15	21.43	56.59	100	0	P	H
													H
													H
		11550	55.47	-18.53	74	57.46	38.27	17.46	57.72	395	72	P	V
		11550	40.05	-13.95	54	42.04	38.27	17.46	57.72	395	72	A	V
		17325	51.21	-22.79	74	44.22	42.15	21.43	56.59	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

5GHz 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.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11a LF		31.08	24.83	-15.17	40	35.18	19.34	1.77	31.46			P	H
		168.24	34.86	-8.64	43.5	53.02	10.35	2.61	31.12			P	H
		263.55	38.18	-7.82	46	52.12	13.9	3.16	31			P	H
		384	33.81	-12.19	46	45.08	16.19	3.52	30.98			P	H
		687.8	38.24	-7.76	46	44.61	19.7	4.35	30.42	100	0	P	H
		975.5	29.64	-24.36	54	32.6	22.4	4.94	30.3			P	H
													H
													H
													H
													H
													H
													H
		30	35	-5	40	44.83	19.9	1.77	31.5	100	0	P	V
		182.82	31.56	-11.94	43.5	50.06	9.77	2.69	30.96			P	V
		257.34	35.98	-10.02	46	50.22	13.8	2.96	31			P	V
		318.2	29.22	-16.78	46	42.53	14.41	3.28	31			P	V
		650	38.85	-7.15	46	45.43	19.7	4.22	30.5			P	V
		896.4	28.31	-17.69	46	32	21.96	4.66	30.31			P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



15E Emission below 1GHz

5GHz WIFI 802.11ac VHT20 (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.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11ac VHT20 LF		30	25.76	-14.24	40	35.59	19.9	1.77	31.5			P	H
		149.88	32.76	-10.74	43.5	50.05	11.2	2.61	31.1			P	H
		259.77	39.75	-6.25	46	53.69	14.1	2.96	31	100	0	P	H
		384	34.76	-11.24	46	46.03	16.19	3.52	30.98			P	H
		562.5	38.02	-7.98	46	45.88	18.88	4.01	30.75			P	H
		875.4	30.25	-15.75	46	34.18	21.76	4.66	30.35			P	H
													H
													H
													H
													H
													H
													H
		30	34.89	-5.11	40	44.72	19.9	1.77	31.5	100	0	P	V
		168.24	31.43	-12.07	43.5	49.59	10.35	2.61	31.12			P	V
		257.34	34.82	-11.18	46	49.06	13.8	2.96	31			P	V
		327.3	29.69	-16.31	46	42.76	14.65	3.28	31			P	V
		650	39	-7	46	45.58	19.7	4.22	30.5			P	V
		975.5	30.63	-23.37	54	33.59	22.4	4.94	30.3			P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



15E Emission below 1GHz

5GHz WIFI 802.11ac VHT40 (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.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11ac VHT40 LF		30.54	25.17	-14.83	40	35.52	19.34	1.77	31.46			P	H
		168.24	34.67	-8.83	43.5	52.83	10.35	2.61	31.12			P	H
		259.77	37.96	-8.04	46	51.9	14.1	2.96	31			P	H
		316.8	34.49	-11.51	46	47.83	14.38	3.28	31			P	H
		687.8	38.11	-7.89	46	44.48	19.7	4.35	30.42	100	0	P	H
		1000	35.63	-18.37	54	38.3	22.5	5.03	30.2			P	H
													H
													H
													H
													H
													H
													H
		30.27	35.68	-4.32	40	45.51	19.9	1.77	31.5	100	0	P	V
		168.24	31.62	-11.88	43.5	49.78	10.35	2.61	31.12			P	V
		259.77	35.58	-10.42	46	49.52	14.1	2.96	31			P	V
		325.2	29.52	-16.48	46	42.64	14.6	3.28	31			P	V
		650	39.04	-6.96	46	45.62	19.7	4.22	30.5			P	V
		1000	33.94	-20.06	54	36.61	22.5	5.03	30.2			P	V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



15E 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.	
5Tx		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11ac VHT80 LF		30.27	25.24	-14.76	40	35.07	19.9	1.77	31.5			P	H
		168.24	34.64	-8.86	43.5	52.8	10.35	2.61	31.12			P	H
		260.85	37.81	-8.19	46	51.6	14.05	3.16	31	100	0	P	H
		323.8	34.13	-11.87	46	47.28	14.57	3.28	31			P	H
		687.8	37.71	-8.29	46	44.08	19.7	4.35	30.42			P	H
		812.4	34.67	-11.33	46	39.25	21.13	4.62	30.33			P	H
													H
													H
													H
													H
													H
													H
		30.27	35.54	-4.46	40	45.37	19.9	1.77	31.5	100	0	P	V
		184.17	32.19	-11.31	43.5	50.72	9.76	2.69	30.98			P	V
		260.85	34.83	-11.17	46	48.62	14.05	3.16	31			P	V
		317.5	29.49	-16.51	46	42.83	14.38	3.28	31			P	V
		650	39.04	-6.96	46	45.62	19.7	4.22	30.5			P	V
		1000	33.48	-20.52	54	36.15	22.5	5.03	30.2			P	V
													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+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

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”.