



Band 2
802.11a

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.19	55.26	74.00	-19.81	34.52	9.92	45.51	127	20	Peak
5150	49.00	50.07	54.00	-5.00	34.52	9.92	45.51	127	20	Average
5260	102.89	103.91	/	/	34.61	9.88	45.51	136	92	Peak
5260	95.24	96.26	/	/	34.61	9.88	45.51	136	92	Average
5350	53.61	54.59	74.00	-20.39	34.68	9.85	45.51	129	162	Peak
5350	47.33	48.31	54.00	-6.67	34.68	9.85	45.51	129	162	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.75	54.74	74.00	-20.25	34.60	9.92	45.51	197	187	Peak
5150	49.56	50.55	54.00	-4.44	34.60	9.92	45.51	197	187	Average
5260	105.08	106.11	/	/	34.60	9.88	45.51	192	120	Peak
5260	97.55	98.58	/	/	34.60	9.88	45.51	192	120	Average
5350	54.65	55.71	74.00	-19.35	34.60	9.85	45.51	198	243	Peak
5350	47.32	48.38	54.00	-6.68	34.60	9.85	45.51	198	243	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5260MHz: Fundamental frequency.



CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.29	54.36	74.00	-20.71	34.52	9.92	45.51	160	163	Peak
5150	49.62	50.69	54.00	-4.38	34.52	9.92	45.51	160	163	Average
5300	102.86	103.86	/	/	34.64	9.87	45.51	189	275	Peak
5300	95.80	96.80	/	/	34.64	9.87	45.51	189	275	Average
5350	53.14	54.12	74.00	-20.86	34.68	9.85	45.51	143	109	Peak
5350	48.10	49.08	54.00	-5.90	34.68	9.85	45.51	143	109	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.22	56.21	74.00	-18.78	34.60	9.92	45.51	180	154	Peak
5150	49.07	50.06	54.00	-4.93	34.60	9.92	45.51	180	154	Average
5300	105.50	106.54	/	/	34.60	9.87	45.51	168	147	Peak
5300	97.73	98.77	/	/	34.60	9.87	45.51	168	147	Average
5350	54.59	55.65	74.00	-19.41	34.60	9.85	45.51	178	229	Peak
5350	48.09	49.15	54.00	-5.91	34.60	9.85	45.51	178	229	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5300MHz: Fundamental frequency.



CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.57	55.64	74.00	-19.43	34.52	9.92	45.51	159	195	Peak
5150	49.37	50.44	54.00	-4.63	34.52	9.92	45.51	159	195	Average
5320	102.69	103.68	/	/	34.66	9.86	45.51	189	37	Peak
5320	95.87	96.86	/	/	34.66	9.86	45.51	189	37	Average
5350	55.49	56.47	74.00	-18.51	34.68	9.85	45.51	161	112	Peak
5350	48.14	49.12	54.00	-5.86	34.68	9.85	45.51	161	112	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.20	56.19	74.00	-18.80	34.60	9.92	45.51	142	248	Peak
5150	49.88	50.87	54.00	-4.12	34.60	9.92	45.51	142	248	Average
5320	103.52	104.57	/	/	34.60	9.86	45.51	104	359	Peak
5320	96.76	97.81	/	/	34.60	9.86	45.51	104	359	Average
5350	55.30	56.36	74.00	-18.70	34.60	9.85	45.51	140	237	Peak
5350	48.95	50.01	54.00	-5.05	34.60	9.85	45.51	140	237	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5320MHz: Fundamental frequency.



802.11n (20MHz)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.44	56.51	74.00	-18.56	34.52	9.92	45.51	175	221	Peak
5150	49.62	50.69	54.00	-4.38	34.52	9.92	45.51	175	221	Average
5260	102.52	103.54	/	/	34.61	9.88	45.51	190	168	Peak
5260	95.12	96.14	/	/	34.61	9.88	45.51	190	168	Average
5350	54.65	55.63	74.00	-19.35	34.68	9.85	45.51	176	145	Peak
5350	48.06	49.04	54.00	-5.94	34.68	9.85	45.51	176	145	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.34	55.33	74.00	-19.66	34.60	9.92	45.51	173	270	Peak
5150	50.09	51.08	54.00	-3.91	34.60	9.92	45.51	173	270	Average
5260	104.50	105.53	/	/	34.60	9.88	45.51	191	244	Peak
5260	98.32	99.35	/	/	34.60	9.88	45.51	191	244	Average
5350	53.10	54.16	74.00	-20.90	34.60	9.85	45.51	172	82	Peak
5350	47.40	48.46	54.00	-6.60	34.60	9.85	45.51	172	82	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5260MHz: Fundamental frequency.



CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.09	55.16	74.00	-19.91	34.52	9.92	45.51	135	59	Peak
5150	49.48	50.55	54.00	-4.52	34.52	9.92	45.51	135	59	Average
5300	102.77	103.77	/	/	34.64	9.87	45.51	108	75	Peak
5300	96.35	97.35	/	/	34.64	9.87	45.51	108	75	Average
5350	54.88	55.86	74.00	-19.12	34.68	9.85	45.51	131	222	Peak
5350	47.40	48.38	54.00	-6.60	34.68	9.85	45.51	131	222	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.58	55.57	74.00	-19.42	34.60	9.92	45.51	120	233	Peak
5150	49.75	50.74	54.00	-4.25	34.60	9.92	45.51	120	233	Average
5300	104.39	105.43	/	/	34.60	9.87	45.51	114	144	Peak
5300	97.04	98.08	/	/	34.60	9.87	45.51	114	144	Average
5350	52.92	53.98	74.00	-21.08	34.60	9.85	45.51	111	19	Peak
5350	48.17	49.23	54.00	-5.83	34.60	9.85	45.51	111	19	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5300MHz: Fundamental frequency.



CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.82	54.89	74.00	-20.18	34.52	9.92	45.51	169	79	Peak
5150	48.96	50.03	54.00	-5.04	34.52	9.92	45.51	169	79	Average
5320	102.17	103.16	/	/	34.66	9.86	45.51	114	111	Peak
5320	95.53	96.52	/	/	34.66	9.86	45.51	114	111	Average
5350	53.42	54.40	74.00	-20.58	34.68	9.85	45.51	167	109	Peak
5350	48.24	49.22	54.00	-5.76	34.68	9.85	45.51	167	109	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.32	57.31	74.00	-17.68	34.60	9.92	45.51	141	36	Peak
5150	49.41	50.40	54.00	-4.59	34.60	9.92	45.51	141	36	Average
5320	102.98	104.03	/	/	34.60	9.86	45.51	103	68	Peak
5320	97.22	98.27	/	/	34.60	9.86	45.51	103	68	Average
5350	54.83	55.89	74.00	-19.17	34.60	9.85	45.51	133	260	Peak
5350	49.26	50.32	54.00	-4.74	34.60	9.85	45.51	133	260	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5320MHz: Fundamental frequency.



802.11n (40MHz)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.34	55.41	74.00	-19.66	34.52	9.92	45.51	120	57	Peak
5150	49.70	50.77	54.00	-4.30	34.52	9.92	45.51	120	57	Average
5270	99.55	100.56	/	/	34.62	9.88	45.51	178	188	Peak
5270	93.94	94.95	/	/	34.62	9.88	45.51	178	188	Average
5350	54.34	55.32	74.00	-19.66	34.68	9.85	45.51	110	11	Peak
5350	48.15	49.13	54.00	-5.85	34.68	9.85	45.51	110	11	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.12	54.11	74.00	-20.88	34.60	9.92	45.51	135	79	Peak
5150	49.36	50.35	54.00	-4.64	34.60	9.92	45.51	135	79	Average
5270	99.18	100.21	/	/	34.60	9.88	45.51	179	315	Peak
5270	94.40	95.43	/	/	34.60	9.88	45.51	179	315	Average
5350	53.84	54.90	74.00	-20.16	34.60	9.85	45.51	133	182	Peak
5350	47.69	48.75	54.00	-6.31	34.60	9.85	45.51	133	182	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5270MHz: Fundamental frequency.



CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.92	57.99	74.00	-17.08	34.52	9.92	45.51	148	288	Peak
5150	49.25	50.32	54.00	-4.75	34.52	9.92	45.51	148	288	Average
5310	99.58	100.58	/	/	34.65	9.86	45.51	155	201	Peak
5310	92.72	93.72	/	/	34.65	9.86	45.51	155	201	Average
5350	57.30	58.28	74.00	-16.70	34.68	9.85	45.51	139	308	Peak
5350	49.30	50.28	54.00	-4.70	34.68	9.85	45.51	139	308	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.16	55.15	74.00	-19.84	34.60	9.92	45.51	199	282	Peak
5150	48.86	49.85	54.00	-5.14	34.60	9.92	45.51	199	282	Average
5310	99.91	100.96	/	/	34.60	9.86	45.51	142	222	Peak
5310	94.36	95.41	/	/	34.60	9.86	45.51	142	222	Average
5350	55.49	56.55	74.00	-18.51	34.60	9.85	45.51	205	135	Peak
5350	50.52	51.58	54.00	-3.48	34.60	9.85	45.51	205	135	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5310MHz: Fundamental frequency.



802.11ac (20MHz)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.36	56.43	74.00	-18.64	34.52	9.92	45.51	135	5	Peak
5150	49.46	50.53	54.00	-4.54	34.52	9.92	45.51	135	5	Average
5260	103.41	104.43	/	/	34.61	9.88	45.51	181	297	Peak
5260	96.40	97.42	/	/	34.61	9.88	45.51	181	297	Average
5350	53.93	54.91	74.00	-20.07	34.68	9.85	45.51	133	169	Peak
5350	48.03	49.01	54.00	-5.97	34.68	9.85	45.51	133	169	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	56.32	57.31	74.00	-17.68	34.60	9.92	45.51	170	264	Peak
5150	49.23	50.22	54.00	-4.77	34.60	9.92	45.51	170	264	Average
5260	105.93	106.96	/	/	34.60	9.88	45.51	128	277	Peak
5260	98.68	99.71	/	/	34.60	9.88	45.51	128	277	Average
5350	54.23	55.29	74.00	-19.77	34.60	9.85	45.51	158	56	Peak
5350	47.80	48.86	54.00	-6.20	34.60	9.85	45.51	158	56	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5260MHz: Fundamental frequency.



CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.89	55.96	74.00	-19.11	34.52	9.92	45.51	138	193	Peak
5150	48.81	49.88	54.00	-5.19	34.52	9.92	45.51	138	193	Average
5300	101.87	102.87	/	/	34.64	9.87	45.51	134	101	Peak
5300	95.02	96.02	/	/	34.64	9.87	45.51	134	101	Average
5350	54.51	55.49	74.00	-19.49	34.68	9.85	45.51	140	218	Peak
5350	47.71	48.69	54.00	-6.29	34.68	9.85	45.51	140	218	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.54	55.53	74.00	-19.46	34.60	9.92	45.51	163	166	Peak
5150	49.49	50.48	54.00	-4.51	34.60	9.92	45.51	163	166	Average
5300	106.29	107.33	/	/	34.60	9.87	45.51	194	285	Peak
5300	98.69	99.73	/	/	34.60	9.87	45.51	194	285	Average
5350	54.37	55.43	74.00	-19.63	34.60	9.85	45.51	169	78	Peak
5350	47.24	48.30	54.00	-6.76	34.60	9.85	45.51	169	78	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5300MHz: Fundamental frequency.



CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.50	55.57	74.00	-19.50	34.52	9.92	45.51	190	170	Peak
5150	49.94	51.01	54.00	-4.06	34.52	9.92	45.51	190	170	Average
5320	102.26	103.25	/	/	34.66	9.86	45.51	180	273	Peak
5320	94.78	95.77	/	/	34.66	9.86	45.51	180	273	Average
5350	55.69	56.67	74.00	-18.31	34.68	9.85	45.51	198	245	Peak
5350	48.82	49.80	54.00	-5.18	34.68	9.85	45.51	198	245	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.37	55.36	74.00	-19.63	34.60	9.92	45.51	134	165	Peak
5150	49.72	50.71	54.00	-4.28	34.60	9.92	45.51	134	165	Average
5320	105.31	106.36	/	/	34.60	9.86	45.51	136	130	Peak
5320	98.74	99.79	/	/	34.60	9.86	45.51	136	130	Average
5350	55.23	56.29	74.00	-18.77	34.60	9.85	45.51	134	267	Peak
5350	49.89	50.95	54.00	-4.11	34.60	9.85	45.51	134	267	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5320MHz: Fundamental frequency.



802.11ac (40MHz)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.45	56.52	74.00	-18.55	34.52	9.92	45.51	200	40	Peak
5150	49.54	50.61	54.00	-4.46	34.52	9.92	45.51	200	40	Average
5270	98.59	99.60	/	/	34.62	9.88	45.51	157	41	Peak
5270	93.05	94.06	/	/	34.62	9.88	45.51	157	41	Average
5350	53.33	54.31	74.00	-20.67	34.68	9.85	45.51	195	51	Peak
5350	48.09	49.07	54.00	-5.91	34.68	9.85	45.51	195	51	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.67	55.66	74.00	-19.33	34.60	9.92	45.51	144	310	Peak
5150	49.70	50.69	54.00	-4.30	34.60	9.92	45.51	144	310	Average
5270	100.83	101.86	/	/	34.60	9.88	45.51	160	89	Peak
5270	95.29	96.32	/	/	34.60	9.88	45.51	160	89	Average
5350	54.18	55.24	74.00	-19.82	34.60	9.85	45.51	157	356	Peak
5350	48.13	49.19	54.00	-5.87	34.60	9.85	45.51	157	356	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5270MHz: Fundamental frequency.



CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.02	56.09	74.00	-18.98	34.52	9.92	45.51	191	268	Peak
5150	49.14	50.21	54.00	-4.86	34.52	9.92	45.51	191	268	Average
5310	96.68	97.68	/	/	34.65	9.86	45.51	142	36	Peak
5310	90.58	91.58	/	/	34.65	9.86	45.51	142	36	Average
5350	56.71	57.69	74.00	-17.29	34.68	9.85	45.51	186	250	Peak
5350	49.48	50.46	54.00	-4.52	34.68	9.85	45.51	186	250	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.22	55.21	74.00	-19.78	34.60	9.92	45.51	142	121	Peak
5150	49.05	50.04	54.00	-4.95	34.60	9.92	45.51	142	121	Average
5310	99.89	100.94	/	/	34.60	9.86	45.51	198	185	Peak
5310	94.46	95.51	/	/	34.60	9.86	45.51	198	185	Average
5350	57.75	58.81	74.00	-16.25	34.60	9.85	45.51	132	325	Peak
5350	50.74	51.80	54.00	-3.26	34.60	9.85	45.51	132	325	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5310MHz: Fundamental frequency.



802.11ac (80MHz)

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	55.32	56.39	74.00	-18.68	34.52	9.92	45.51	195	70	Peak
5150	49.17	50.24	54.00	-4.83	34.52	9.92	45.51	195	70	Average
5290	93.00	94.01	/	/	34.63	9.87	45.51	193	174	Peak
5290	87.65	88.66	/	/	34.63	9.87	45.51	193	174	Average
5350	55.64	56.62	74.00	-18.36	34.68	9.85	45.51	190	151	Peak
5350	48.76	49.74	54.00	-5.24	34.68	9.85	45.51	190	151	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.59	55.58	74.00	-19.41	34.60	9.92	45.51	160	317	Peak
5150	49.10	50.09	54.00	-4.90	34.60	9.92	45.51	160	317	Average
5290	96.09	97.13	/	/	34.60	9.87	45.51	197	60	Peak
5290	90.07	91.11	/	/	34.60	9.87	45.51	197	60	Average
5350	57.20	58.26	74.00	-16.80	34.60	9.85	45.51	170	307	Peak
5350	50.75	51.81	54.00	-3.25	34.60	9.85	45.51	170	307	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5290MHz: Fundamental frequency.



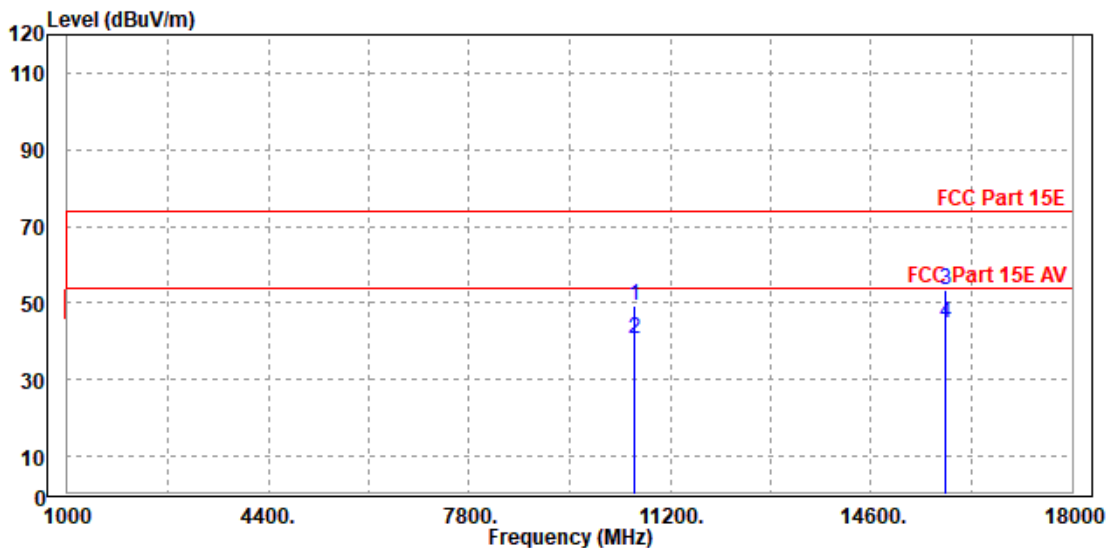
802.11ac (80MHz)

Worst case harmonic:

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

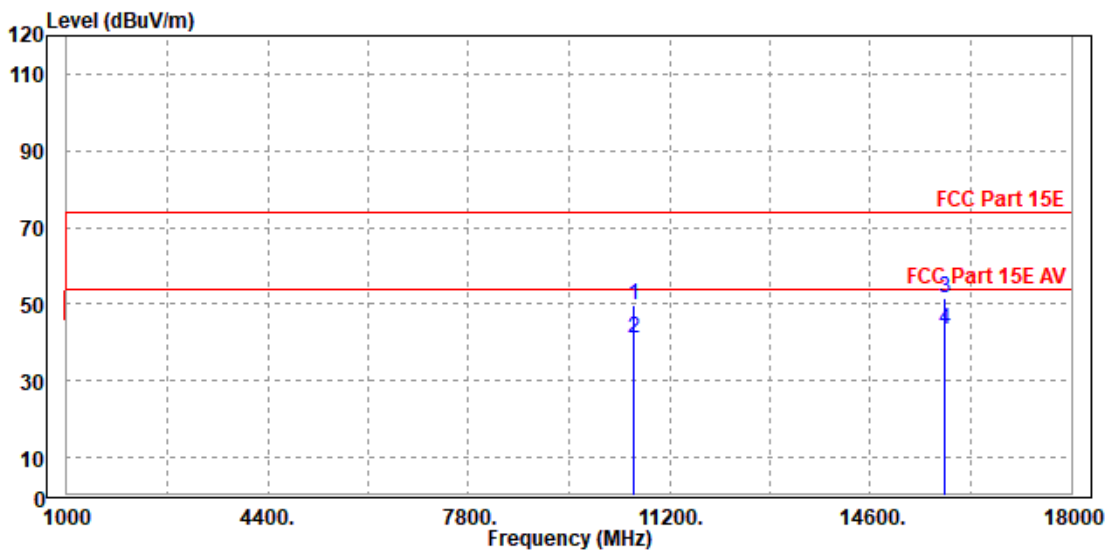
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10588.000	49.25	42.31	74.00	-24.75	6.94	Peak	Horizontal
2	10588.000	40.46	33.52	54.00	-13.54	6.94	Average	Horizontal
3	PK15870.000	53.35	39.31	74.00	-20.65	14.04	Peak	Horizontal
4	PP15870.000	44.90	30.86	54.00	-9.10	14.04	Average	Horizontal





ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10588.000	49.93	41.77	74.00	-24.07	8.16	Peak	Vertical
2	10588.000	41.09	32.93	54.00	-12.91	8.16	Average	Vertical
3	PK15870.000	51.57	38.94	74.00	-22.43	12.63	Peak	Vertical
4	PP15870.000	43.26	30.63	54.00	-10.74	12.63	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5290MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



Band 3

802.11a

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.55	55.48	74	-19.45	34.77	9.81	45.51	109	244	Peak
5460	47.37	48.30	54	-6.63	34.77	9.81	45.51	109	244	Average
5470	54.55	55.47	68.2	-13.65	34.78	9.81	45.51	113	258	Peak
5500	102.75	103.65	/	/	34.80	9.80	45.50	101	256	Peak
5500	96.06	96.96	/	/	34.80	9.80	45.50	101	256	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.25	55.35	74	-19.75	34.60	9.81	45.51	169	343	Peak
5460	47.66	48.76	54	-6.34	34.60	9.81	45.51	169	343	Average
5470	56.55	57.65	68.2	-11.65	34.60	9.81	45.51	161	317	Peak
5500	103.54	104.64	/	/	34.60	9.80	45.50	170	311	Peak
5500	97.38	98.48	/	/	34.60	9.80	45.50	170	311	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5500MHz: Fundamental frequency.



CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.34	53.27	74	-21.66	34.77	9.81	45.51	197	23	Peak
5460	47.59	48.52	54	-6.41	34.77	9.81	45.51	197	23	Average
5470	53.51	54.43	68.2	-14.69	34.78	9.81	45.51	185	78	Peak
5500	104.4	105.17	/	/	34.9	9.83	45.5	201	121	Peak
5500	98.6	99.37	/	/	34.9	9.83	45.5	201	121	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.3	54.4	74	-20.7	34.6	9.81	45.51	191	290	Peak
5460	47.29	48.39	54	-6.71	34.6	9.81	45.51	191	290	Average
5470	53.1	54.2	68.2	-15.1	34.6	9.81	45.51	188	144	Peak
5500	103.74	104.71	/	/	34.7	9.83	45.5	175	29	Peak
5500	97.61	98.58	/	/	34.7	9.83	45.5	175	29	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5580MHz: Fundamental frequency.



CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	102.52	103.11	/	/	35.04	9.87	45.5	197	23	Peak
5700	96.68	97.27	/	/	35.04	9.87	45.5	197	23	Average
5725	59.46	60.01	68.2	-8.74	35.07	9.88	45.5	185	78	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	104.04	104.83	/	/	34.84	9.87	45.5	191	290	Peak
5700	97.72	98.51	/	/	34.84	9.87	45.5	191	290	Average
5725	58.57	59.32	68.2	-9.63	34.87	9.88	45.5	188	144	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5700MHz: Fundamental frequency.



CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	56.94	57.86	68.2	-11.26	34.78	9.81	45.51	180	295	Peak
5720	105.16	105.73	/	/	35.06	9.87	45.5	196	89	Peak
5720	97.14	97.71	/	/	35.06	9.87	45.5	196	89	Average
5850	57.8	58.16	68.2	-10.4	35.22	9.92	45.5	191	353	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	55.94	57.04	68.2	-12.26	34.6	9.81	45.51	117	278	Peak
5720	105.19	105.96	/	/	34.86	9.87	45.5	168	284	Peak
5720	97.95	98.72	/	/	34.86	9.87	45.5	168	284	Average
5850	55.82	56.38	68.2	-12.38	35.02	9.92	45.5	119	125	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5720MHz: Fundamental frequency.



802.11n (20MHz)

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	55.73	56.66	74	-18.27	34.77	9.81	45.51	134	161	Peak
5460	48.76	49.69	54	-5.24	34.77	9.81	45.51	134	161	Average
5470	55.88	56.8	68.2	-12.32	34.78	9.81	45.51	131	44	Peak
5500	103.84	104.74	/	/	34.8	9.8	45.5	132	132	Peak
5500	96.94	97.84	/	/	34.8	9.8	45.5	132	132	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.39	54.49	74	-20.61	34.6	9.81	45.51	177	328	Peak
5460	47.45	48.55	54	-6.55	34.6	9.81	45.51	177	328	Average
5470	55.12	56.22	68.2	-13.08	34.6	9.81	45.51	175	66	Peak
5500	103.33	104.43	/	/	34.6	9.8	45.5	177	180	Peak
5500	95.83	96.93	/	/	34.6	9.8	45.5	177	180	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5500MHz: Fundamental frequency.



CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.19	54.12	74	-20.81	34.77	9.81	45.51	169	3	Peak
5460	47.28	48.21	54	-6.72	34.77	9.81	45.51	169	3	Average
5470	54.68	55.6	68.2	-13.52	34.78	9.81	45.51	165	120	Peak
5580	102.83	103.6	/	/	34.9	9.83	45.5	175	281	Peak
5580	95.94	96.71	/	/	34.9	9.83	45.5	175	281	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.59	53.69	74	-21.41	34.6	9.81	45.51	125	163	Peak
5460	47.47	48.57	54	-6.53	34.6	9.81	45.51	125	163	Average
5470	56.44	57.54	68.2	-11.76	34.6	9.81	45.51	123	317	Peak
5580	103.01	103.98	/	/	34.7	9.83	45.5	132	75	Peak
5580	96.34	97.31	/	/	34.7	9.83	45.5	132	75	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5580MHz: Fundamental frequency.



CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	103.97	104.56	/	/	35.04	9.87	45.5	179	41	Peak
5700	96.4	96.99	/	/	35.04	9.87	45.5	179	41	Average
5725	60.4	60.95	68.2	-7.8	35.07	9.88	45.5	191	56	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	104.87	105.66	/	/	34.84	9.87	45.5	177	208	Peak
5700	97.62	98.41	/	/	34.84	9.87	45.5	177	208	Average
5725	60.51	61.26	68.2	-7.69	34.87	9.88	45.5	179	183	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5700MHz: Fundamental frequency.



CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.51	54.43	68.2	-14.69	34.78	9.81	45.51	178	309	Peak
5720	102.35	102.92	/	/	35.06	9.87	45.5	186	287	Peak
5720	95.95	96.52	/	/	35.06	9.87	45.5	186	287	Average
5850	57.12	57.48	68.2	-11.08	35.22	9.92	45.5	180	287	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.06	54.16	68.2	-15.14	34.6	9.81	45.51	167	25	Peak
5720	104.29	105.06	/	/	34.86	9.87	45.5	151	301	Peak
5720	98.47	99.24	/	/	34.86	9.87	45.5	151	301	Average
5850	53.29	53.85	68.2	-14.91	35.02	9.92	45.5	171	68	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5720MHz: Fundamental frequency.



802.11n (40MHz)

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	56.13	57.06	74	-17.87	34.77	9.81	45.51	111	133	Peak
5460	48.55	49.48	54	-5.45	34.77	9.81	45.51	111	133	Average
5470	58.69	59.61	68.2	-9.51	34.78	9.81	45.51	113	139	Peak
5510	99.25	100.14	/	/	34.81	9.8	45.5	120	156	Peak
5510	93.85	94.74	/	/	34.81	9.8	45.5	120	156	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.77	54.87	74	-20.23	34.6	9.81	45.51	194	187	Peak
5460	48.48	49.58	54	-5.52	34.6	9.81	45.51	194	187	Average
5470	59.44	60.54	68.2	-8.76	34.6	9.81	45.51	206	136	Peak
5510	98.71	99.8	/	/	34.61	9.8	45.5	205	114	Peak
5510	92.27	93.36	/	/	34.61	9.8	45.5	205	114	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5510MHz: Fundamental frequency.



CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.93	55.86	74	-19.07	34.77	9.81	45.51	132	197	Peak
5460	47.9	48.83	54	-6.1	34.77	9.81	45.51	132	197	Average
5470	54.65	55.57	68.2	-13.55	34.78	9.81	45.51	113	203	Peak
5550	99.39	100.21	/	/	34.86	9.82	45.5	134	237	Peak
5550	93.51	94.33	/	/	34.86	9.82	45.5	134	237	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54	55.1	74	-20	34.6	9.81	45.51	162	314	Peak
5460	48.62	49.72	54	-5.38	34.6	9.81	45.51	162	314	Average
5470	56.76	57.86	68.2	-11.44	34.6	9.81	45.51	175	175	Peak
5550	98.62	99.64	/	/	34.66	9.82	45.5	151	253	Peak
5550	93.14	94.16	/	/	34.66	9.82	45.5	151	253	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5500MHz: Fundamental frequency.



CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	98.31	98.95	/	/	35	9.86	45.5	120	231	Peak
5670	93.45	94.09	/	/	35	9.86	45.5	120	231	Average
5725	54.59	55.14	68.2	-13.61	35.07	9.88	45.5	121	358	Peak

ANTENNA POLARITY & test distance: Vertical at 3 m

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	97.43	98.27	/	/	34.8	9.86	45.5	187	356	Peak
5670	93.27	94.11	/	/	34.8	9.86	45.5	187	356	Average
5725	56.53	57.28	68.2	-11.67	34.87	9.88	45.5	186	275	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5670MHz: Fundamental frequency.



CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.97	54.89	68.2	-14.23	34.78	9.81	45.51	118	153	Peak
5710	98.32	98.9	/	/	35.05	9.87	45.5	121	156	Peak
5710	92.58	93.16	/	/	35.05	9.87	45.5	121	156	Average
5850	54.9	55.26	68.2	-13.3	35.22	9.92	45.5	120	58	Peak

ANTENNA POLARITY & test distance: Vertical at 3 m

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.46	54.56	68.2	-14.74	34.6	9.81	45.51	194	286	Peak
5710	96.94	97.72	/	/	34.85	9.87	45.5	210	136	Peak
5710	92.42	93.2	/	/	34.85	9.87	45.5	210	136	Average
5850	56.22	56.78	68.2	-11.98	35.02	9.92	45.5	184	117	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5710MHz: Fundamental frequency.



802.11ac (20MHz)

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.63	54.56	74	-20.37	34.77	9.81	45.51	130	349	Peak
5460	48.19	49.12	54	-5.81	34.77	9.81	45.51	130	349	Average
5470	55.21	56.13	68.2	-12.99	34.78	9.81	45.51	134	5	Peak
5500	103.66	104.56	/	/	34.8	9.8	45.5	146	306	Peak
5500	96.97	97.87	/	/	34.8	9.8	45.5	146	306	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.35	55.45	74	-19.65	34.6	9.81	45.51	174	183	Peak
5460	47.42	48.52	54	-6.58	34.6	9.81	45.51	174	183	Average
5470	54.35	55.45	68.2	-13.85	34.6	9.81	45.51	174	274	Peak
5500	102.15	103.25	/	/	34.6	9.8	45.5	171	88	Peak
5500	95.65	96.75	/	/	34.6	9.8	45.5	171	88	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5500MHz: Fundamental frequency.



CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54	54.93	74	-20	34.77	9.81	45.51	171	40	Peak
5460	48.15	49.08	54	-5.85	34.77	9.81	45.51	171	40	Average
5470	54.75	55.67	68.2	-13.45	34.78	9.81	45.51	178	166	Peak
5580	102.41	103.18	/	/	34.9	9.83	45.5	182	335	Peak
5580	96.15	96.92	/	/	34.9	9.83	45.5	182	335	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.28	54.38	74	-20.72	34.6	9.81	45.51	188	136	Peak
5460	48.16	49.26	54	-5.84	34.6	9.81	45.51	188	136	Average
5470	54.95	56.05	68.2	-13.25	34.6	9.81	45.51	186	342	Peak
5580	103.21	104.18	/	/	34.7	9.83	45.5	191	262	Peak
5580	96.21	97.18	/	/	34.7	9.83	45.5	191	262	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5580MHz: Fundamental frequency.



CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	102.32	102.91	/	/	35.04	9.87	45.5	147	116	Peak
5700	96.39	96.98	/	/	35.04	9.87	45.5	147	116	Average
5725	60.81	61.36	68.2	-7.39	35.07	9.88	45.5	149	203	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	102.06	102.85	/	/	34.84	9.87	45.5	198	40	Peak
5700	95.41	96.2	/	/	34.84	9.87	45.5	198	40	Average
5725	57.48	58.23	68.2	-10.72	34.87	9.88	45.5	204	169	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5700MHz: Fundamental frequency.



CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.22	55.14	68.2	-13.98	34.78	9.81	45.51	150	214	Peak
5720	102.75	103.32	/	/	35.06	9.87	45.5	157	343	Peak
5720	95.56	96.13	/	/	35.06	9.87	45.5	157	343	Average
5850	54.31	54.67	68.2	-13.89	35.22	9.92	45.5	151	109	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.27	55.37	68.2	-13.93	34.6	9.81	45.51	125	273	Peak
5720	102.41	103.18	/	/	34.86	9.87	45.5	139	144	Peak
5720	95.53	96.3	/	/	34.86	9.87	45.5	139	144	Average
5850	55.21	55.77	68.2	-12.99	35.02	9.92	45.5	121	148	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5720MHz: Fundamental frequency.



802.11ac (40MHz)

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.45	54.38	74	-20.55	34.77	9.81	45.51	144	243	Peak
5460	49.54	50.47	54	-4.46	34.77	9.81	45.51	144	243	Average
5470	59.07	59.99	68.2	-9.13	34.78	9.81	45.51	153	301	Peak
5510	98.34	99.23	/	/	34.81	9.8	45.5	155	265	Peak
5510	94.17	95.06	/	/	34.81	9.8	45.5	155	265	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.32	55.42	74	-19.68	34.6	9.81	45.51	111	254	Peak
5460	48.67	49.77	54	-5.33	34.6	9.81	45.51	111	254	Average
5470	59.36	60.46	68.2	-8.84	34.6	9.81	45.51	121	179	Peak
5510	97.68	98.77	/	/	34.61	9.8	45.5	136	57	Peak
5510	92.68	93.77	/	/	34.61	9.8	45.5	136	57	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5510MHz: Fundamental frequency.



CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.19	53.12	74	-21.81	34.77	9.81	45.51	142	331	Peak
5460	47.85	48.78	54	-6.15	34.77	9.81	45.51	142	331	Average
5470	53.41	54.33	68.2	-14.79	34.78	9.81	45.51	140	50	Peak
5550	97.63	98.45	/	/	34.86	9.82	45.5	143	347	Peak
5550	93.04	93.86	/	/	34.86	9.82	45.5	143	347	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.83	53.93	74	-21.17	34.6	9.81	45.51	138	330	Peak
5460	47.78	48.88	54	-6.22	34.6	9.81	45.51	138	330	Average
5470	53.92	55.02	68.2	-14.28	34.6	9.81	45.51	139	101	Peak
5550	97.19	98.21	/	/	34.66	9.82	45.5	135	215	Peak
5550	93.58	94.6	/	/	34.66	9.82	45.5	135	215	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5500MHz: Fundamental frequency.



CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	97.5	98.14	/	/	35	9.86	45.5	132	293	Peak
5670	93.34	93.98	/	/	35	9.86	45.5	132	293	Average
5725	56.24	56.79	68.2	-11.96	35.07	9.88	45.5	140	308	Peak

ANTENNA POLARITY & test distance: Vertical at 3 m

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	99.18	100.02	/	/	34.8	9.86	45.5	146	61	Peak
5670	93.31	94.15	/	/	34.8	9.86	45.5	146	61	Average
5725	57.03	57.78	68.2	-11.17	34.87	9.88	45.5	148	325	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5670MHz: Fundamental frequency.



CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.65	54.57	68.2	-14.55	34.78	9.81	45.51	147	138	Peak
5710	97.82	98.4	/	/	35.05	9.87	45.5	139	264	Peak
5710	93.13	93.71	/	/	35.05	9.87	45.5	139	264	Average
5850	55.2	55.56	68.2	-13	35.22	9.92	45.5	141	288	Peak

ANTENNA POLARITY & test distance: Vertical at 3 m

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.06	54.16	68.2	-15.14	34.6	9.81	45.51	106	238	Peak
5710	98.87	99.65	/	/	34.85	9.87	45.5	117	330	Peak
5710	92.54	93.32	/	/	34.85	9.87	45.5	117	330	Average
5850	54.05	54.61	68.2	-14.15	35.02	9.92	45.5	132	280	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5710MHz: Fundamental frequency.



802.11ac (80MHz)

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.38	55.31	74	-19.62	34.77	9.81	45.51	140	321	Peak
5460	50.35	51.28	54	-3.65	34.77	9.81	45.51	140	321	Average
5470	56.59	57.51	68.2	-11.61	34.78	9.81	45.51	133	225	Peak
5530	93.91	94.76	/	/	34.84	9.81	45.5	138	63	Peak
5530	89.51	90.36	/	/	34.84	9.81	45.5	138	63	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.7	54.8	74	-20.3	34.6	9.81	45.51	177	170	Peak
5460	49.03	50.13	54	-4.97	34.6	9.81	45.51	177	170	Average
5470	57.59	58.69	68.2	-10.61	34.6	9.81	45.51	159	258	Peak
5530	92.74	93.79	/	/	34.64	9.81	45.5	180	246	Peak
5530	89.21	90.26	/	/	34.64	9.81	45.5	180	246	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5530MHz: Fundamental frequency.



CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.4	53.33	74	-21.6	34.77	9.81	45.51	111	0	Peak
5460	48.46	49.39	54	-5.54	34.77	9.81	45.51	111	0	Average
5470	55.67	56.59	68.2	-12.53	34.78	9.81	45.51	133	83	Peak
5610	94.23	94.96	/	/	34.93	9.84	45.5	129	208	Peak
5610	90.29	91.02	/	/	34.93	9.84	45.5	129	208	Average

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.08	55.18	74	-19.92	34.6	9.81	45.51	184	50	Peak
5460	47.85	48.95	54	-6.15	34.6	9.81	45.51	184	50	Average
5470	53.32	54.42	68.2	-14.88	34.6	9.81	45.51	169	319	Peak
5610	94.65	95.58	/	/	34.73	9.84	45.5	192	166	Peak
5610	91.03	91.96	/	/	34.73	9.84	45.5	192	166	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5610MHz: Fundamental frequency.



CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.16	55.08	68.2	-14.04	34.78	9.81	45.51	125	222	Peak
5690	94.83	95.44	/	/	35.03	9.86	45.5	134	67	Peak
5690	89.66	90.27	/	/	35.03	9.86	45.5	134	67	Average
5850	54.5	54.86	68.2	-13.7	35.22	9.92	45.5	113	184	Peak
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.47	54.57	68.2	-14.73	34.6	9.81	45.51	129	28	Peak
5690	94.23	95.04	/	/	34.83	9.86	45.5	112	286	Peak
5690	90.24	91.05	/	/	34.83	9.86	45.5	112	286	Average
5850	53.77	54.33	68.2	-14.43	35.02	9.92	45.5	123	292	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5690MHz: Fundamental frequency.



**BUREAU
VERITAS**

Test Report No.: W7L-P23010024RF03

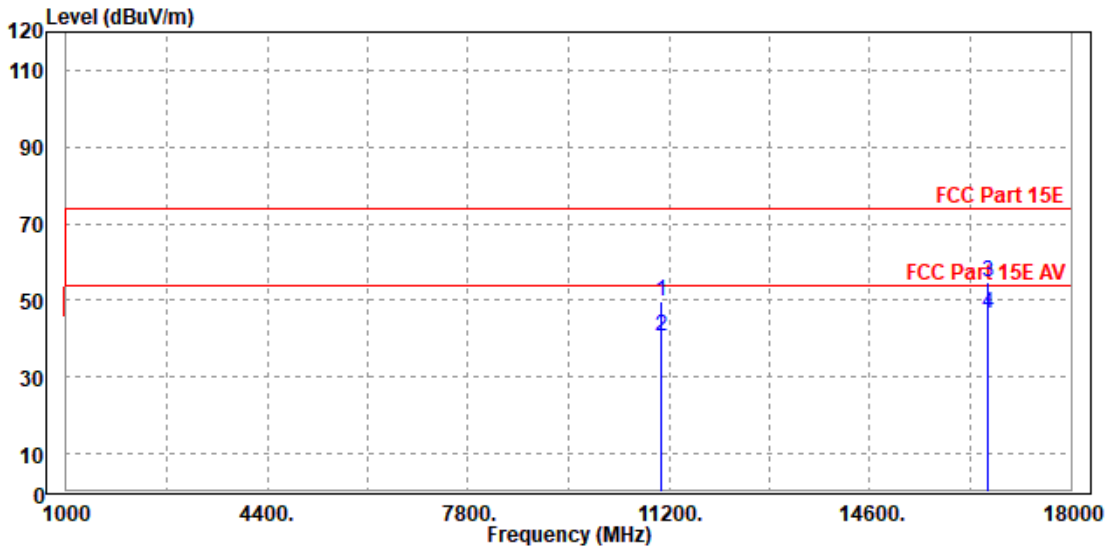
802.11ac (80MHz)

Worst case harmonic:

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

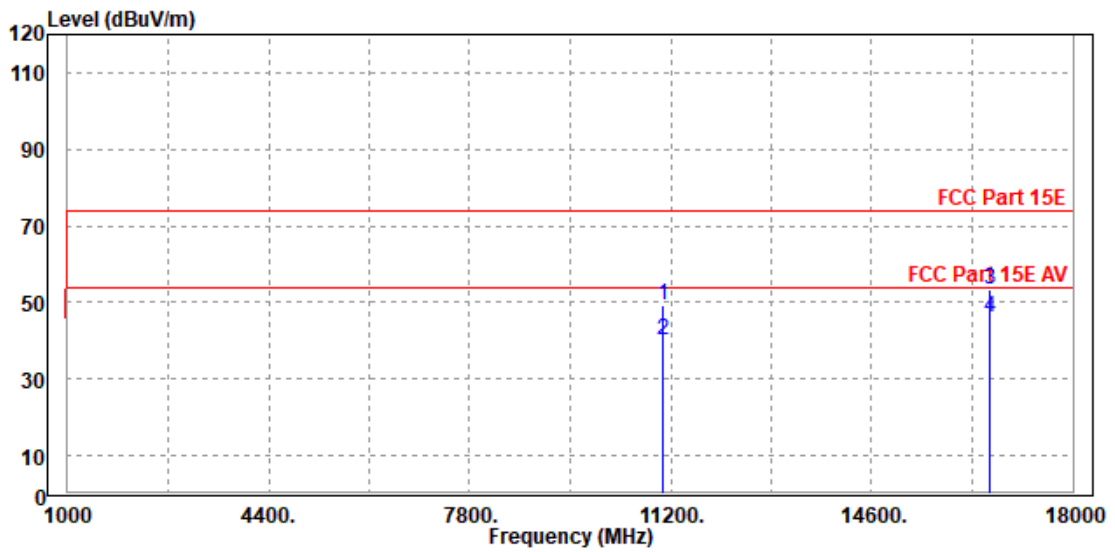
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	11064.000	49.57	42.42	74.00	-24.43	7.15	Peak	Horizontal
2	11064.000	40.84	33.69	54.00	-13.16	7.15	Average	Horizontal
3	PK16590.000	54.67	38.64	74.00	-19.33	16.03	Peak	Horizontal
4	PP16590.000	46.32	30.29	54.00	-7.68	16.03	Average	Horizontal





ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	11060.000	49.46	41.91	74.00	-24.54	7.55	Peak	Vertical
2	11060.000	40.18	32.63	54.00	-13.82	7.55	Average	Vertical
3	PK16589.000	53.37	39.23	74.00	-20.63	14.14	Peak	Vertical
4	PP16589.000	45.97	31.83	54.00	-8.03	14.14	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5530MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.