



**BUREAU
VERITAS**

Test Report No.: W7L-231127W001RF03

CHANNEL	TX Channel 159	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
5795	91.42	91.52	/	/	34.93	11.67	46.7	100	360	Peak
5795	86.55	86.65	/	/	34.93	11.67	46.7	100	360	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
5795	100.46	100.32	/	/	35.17	11.67	46.7	100	0	Peak
5795	93.99	93.85	/	/	35.17	11.67	46.7	100	0	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5795MHz: Fundamental frequency.



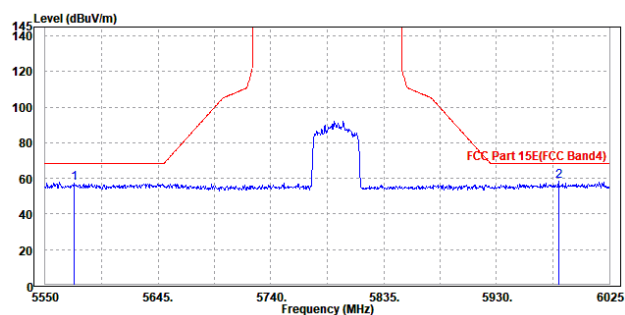
Oobe Data

802.11ax (40MHz) (RU484):

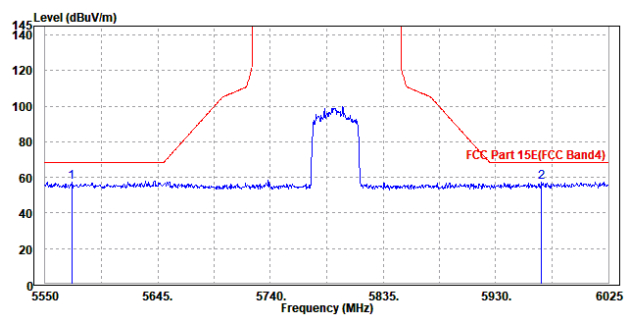
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5574.7	57.06	57.58	68.2	-11.14	34.53	11.59	46.64	100	360	Peak
5982.25	58.53	58.28	68.2	-9.67	35.27	11.74	46.76	100	360	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
5572.325	57.22	57.45	68.2	-10.98	34.82	11.59	46.64	100	0	Peak
5968.475	57.41	56.97	68.2	-10.79	35.45	11.74	46.75	100	0	Peak

CH 159

Horizontal



Vertical





802.11ax (80MHz) (RU996):

CHANNEL	TX Channel 155	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
5775	87.12	87.26	/	/	34.9	11.66	46.7	100	0	Peak
5775	84.02	84.16	/	/	34.9	11.66	46.7	100	0	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
5775	93.96	93.86	/	/	35.14	11.66	46.7	100	0	Peak
5775	87.37	87.27	/	/	35.14	11.66	46.7	100	0	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5775MHz: Fundamental frequency.

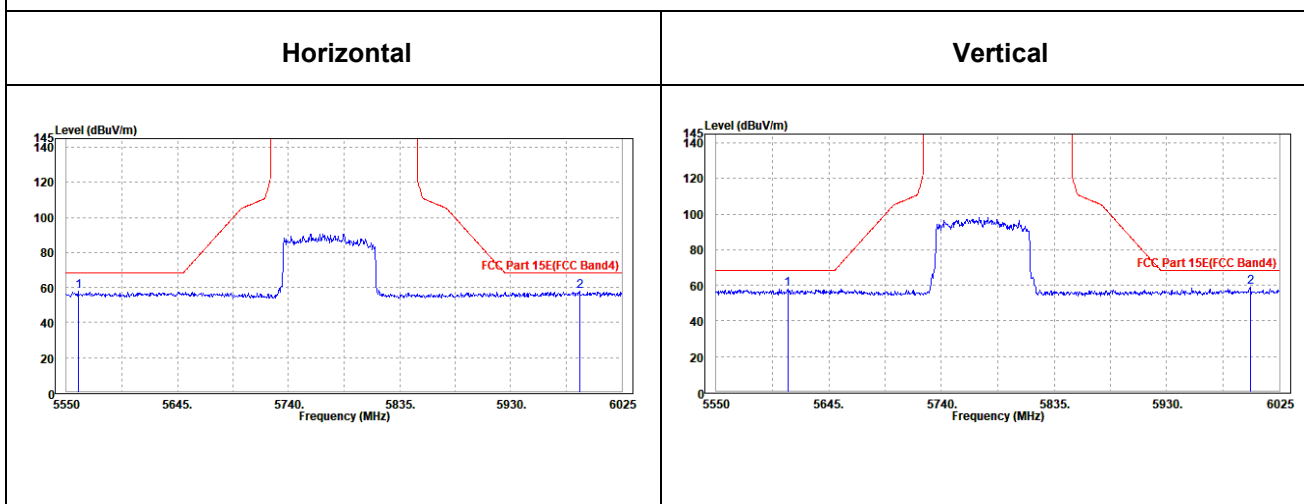


OOBE DATA

802.11ax (80MHz) (RU996):

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
5559.975	57.89	58.44	68.2	-10.31	34.51	11.58	46.64	100	360	Peak
5988.9	57.63	57.36	68.2	-10.57	35.28	11.75	46.76	100	360	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
5610.325	57.66	57.83	68.2	-10.54	34.88	11.6	46.65	100	0	Peak
6000.3	59.08	58.59	68.2	-9.12	35.5	11.75	46.76	100	0	Peak

CH 155





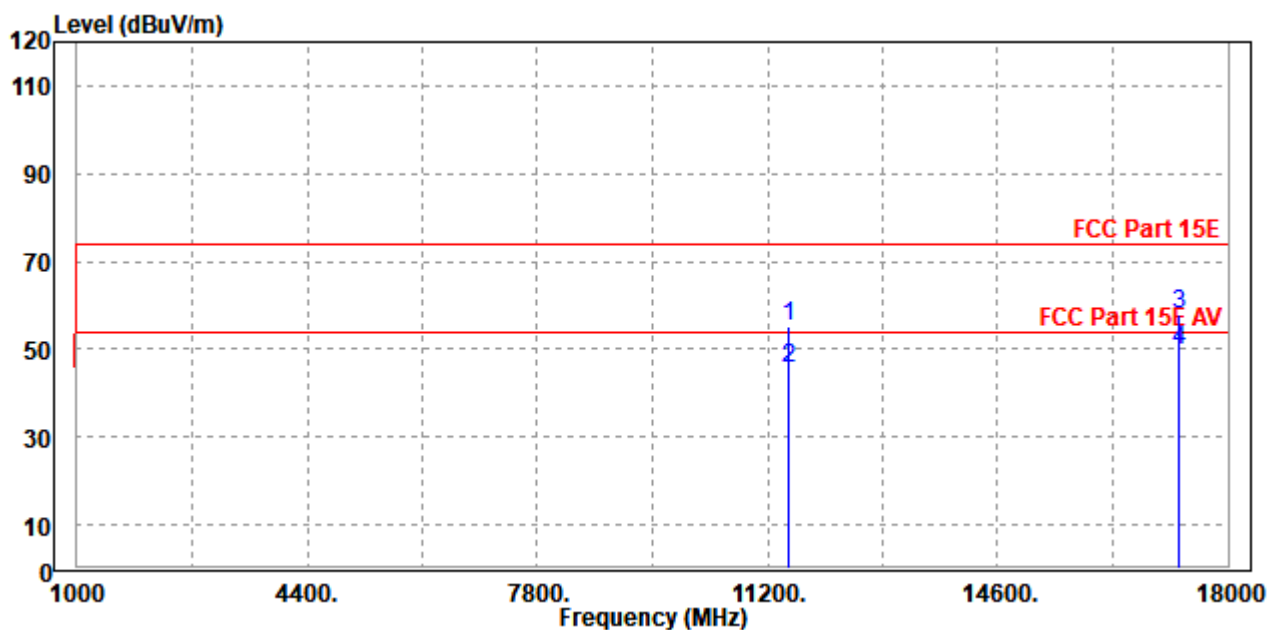
802.11ax (40MHz) (RU484):

Worst case harmonic:

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

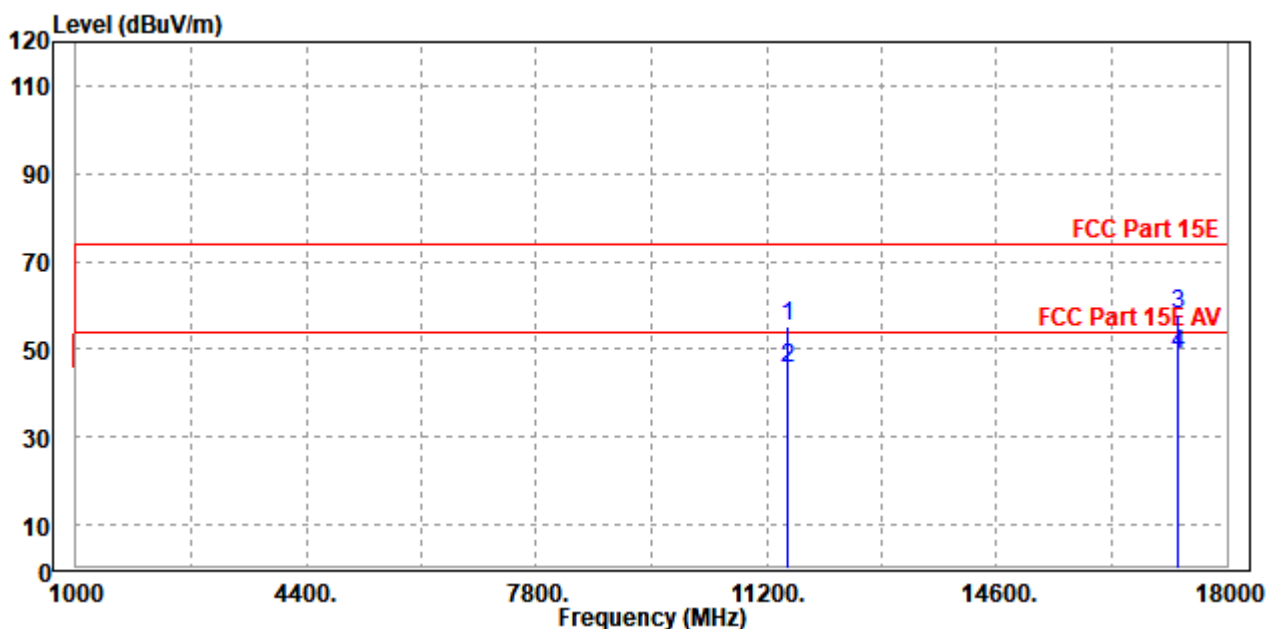
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	11506.000	55.42	45.19	74.00	-18.58	10.23	Peak	Horizontal
2	11506.000	45.85	35.62	54.00	-8.15	10.23	Average	Horizontal
3	PK17265.000	57.81	41.10	74.00	-16.19	16.71	Peak	Horizontal
4	PP17265.000	49.93	33.22	54.00	-4.07	16.71	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	11510.000	55.05	44.68	74.00	-18.95	10.37	Peak	Vertical
2	11510.000	45.49	35.12	54.00	-8.51	10.37	Average	Vertical
3	PK17269.000	57.88	40.94	74.00	-16.12	16.94	Peak	Vertical
4	PP17269.000	48.97	32.03	54.00	-5.03	16.94	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5755MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



**BUREAU
VERITAS**

Test Report No.: W7L-231127W001RF03

MIMO

Band 1

802.11a

CHANNEL	TX Channel 36	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	57.02	58.11	74.00	-16.98	34.26	11.17	46.52	100	290	Peak
5150	47.83	48.92	54.00	-6.17	34.26	11.17	46.52	100	290	Average
5180	104.08	105.14	/	/	34.27	11.20	46.53	100	290	Peak
5180	98.28	99.34	/	/	34.27	11.20	46.53	100	290	Average
5350	57.34	58.19	74.00	-16.66	34.34	11.39	46.58	100	290	Peak
5350	47.88	48.73	54.00	-6.12	34.34	11.39	46.58	100	290	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	55.84	56.77	74.00	-18.16	34.42	11.17	46.52	100	285	Peak
5150	49.35	50.28	54.00	-4.65	34.42	11.17	46.52	100	285	Average
5180	110.13	111.02	/	/	34.44	11.20	46.53	100	285	Peak
5180	104.64	105.53	/	/	34.44	11.20	46.53	100	285	Average
5350	54.15	54.76	74.00	-19.85	34.58	11.39	46.58	100	285	Peak
5350	48.42	49.03	54.00	-5.58	34.58	11.39	46.58	100	285	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5180MHz: Fundamental frequency.

CHANNEL	TX Channel 40	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	54.77	55.86	74.00	-19.23	34.26	11.17	46.52	100	290	Peak
5150	48.09	49.18	54.00	-5.91	34.26	11.17	46.52	100	290	Average
5200	102.42	103.46	/	/	34.28	11.22	46.54	100	290	Peak
5200	96.35	97.39	/	/	34.28	11.22	46.54	100	290	Average
5350	53.48	54.33	74.00	-20.52	34.34	11.39	46.58	100	290	Peak
5350	48.08	48.93	54.00	-5.92	34.34	11.39	46.58	100	290	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	54.27	55.20	74.00	-19.73	34.42	11.17	46.52	100	280	Peak
5150	48.20	49.13	54.00	-5.80	34.42	11.17	46.52	100	280	Average
5200	107.96	108.82	/	/	34.46	11.22	46.54	100	280	Peak
5200	101.57	102.43	/	/	34.46	11.22	46.54	100	280	Average
5350	54.34	54.95	74.00	-19.66	34.58	11.39	46.58	100	280	Peak
5350	48.03	48.64	54.00	-5.97	34.58	11.39	46.58	100	280	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.

CHANNEL	TX Channel 48	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	53.94	55.03	74.00	-20.06	34.26	11.17	46.52	100	290	Peak
5150	47.76	48.85	54.00	-6.24	34.26	11.17	46.52	100	290	Average
5240	103.40	104.38	/	/	34.30	11.27	46.55	100	290	Peak
5240	97.85	98.83	/	/	34.30	11.27	46.55	100	290	Average
5350	54.01	54.86	74.00	-19.99	34.34	11.39	46.58	100	290	Peak
5350	47.57	48.42	54.00	-6.43	34.34	11.39	46.58	100	290	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	54.71	55.64	74.00	-19.29	34.42	11.17	46.52	100	285	Peak
5150	48.00	48.93	54.00	-6.00	34.42	11.17	46.52	100	285	Average
5240	108.65	109.44	/	/	34.49	11.27	46.55	100	285	Peak
5240	103.16	103.95	/	/	34.49	11.27	46.55	100	285	Average
5350	55.09	55.70	74.00	-18.91	34.58	11.39	46.58	100	285	Peak
5350	48.14	48.75	54.00	-5.86	34.58	11.39	46.58	100	285	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.



802.11n (20MHz)

CHANNEL	TX Channel 36	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	55.16	56.25	74.00	-18.84	34.26	11.17	46.52	100	290	Peak
5150	47.25	48.34	54.00	-6.75	34.26	11.17	46.52	100	290	Average
5180	99.77	100.83	/	/	34.27	11.20	46.53	100	290	Peak
5180	94.52	95.58	/	/	34.27	11.20	46.53	100	290	Average
5350	54.88	55.73	74.00	-19.12	34.34	11.39	46.58	100	290	Peak
5350	47.76	48.61	54.00	-6.24	34.34	11.39	46.58	100	290	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	54.50	55.43	74.00	-19.50	34.42	11.17	46.52	100	285	Peak
5150	48.80	49.73	54.00	-5.20	34.42	11.17	46.52	100	285	Average
5180	106.03	106.92	/	/	34.44	11.20	46.53	100	285	Peak
5180	100.79	101.68	/	/	34.44	11.20	46.53	100	285	Average
5350	54.38	54.99	74.00	-19.62	34.58	11.39	46.58	100	285	Peak
5350	48.15	48.76	54.00	-5.85	34.58	11.39	46.58	100	285	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5180MHz: Fundamental frequency.

CHANNEL	TX Channel 40	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	53.84	54.93	74.00	-20.16	34.26	11.17	46.52	100	290	Peak
5150	47.64	48.73	54.00	-6.36	34.26	11.17	46.52	100	290	Average
5200	100.14	101.18	/	/	34.28	11.22	46.54	100	290	Peak
5200	93.53	94.57	/	/	34.28	11.22	46.54	100	290	Average
5350	53.36	54.21	74.00	-20.64	34.34	11.39	46.58	100	290	Peak
5350	47.65	48.50	54.00	-6.35	34.34	11.39	46.58	100	290	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	55.33	56.26	74.00	-18.67	34.42	11.17	46.52	100	285	Peak
5150	48.37	49.30	54.00	-5.63	34.42	11.17	46.52	100	285	Average
5200	105.85	106.71	/	/	34.46	11.22	46.54	100	285	Peak
5200	99.86	100.72	/	/	34.46	11.22	46.54	100	285	Average
5350	54.21	54.82	74.00	-19.79	34.58	11.39	46.58	100	285	Peak
5350	47.66	48.27	54.00	-6.34	34.58	11.39	46.58	100	285	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.

CHANNEL	TX Channel 48	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	54.26	55.35	74.00	-19.74	34.26	11.17	46.52	100	290	Peak
5150	47.68	48.77	54.00	-6.32	34.26	11.17	46.52	100	290	Average
5240	101.80	102.78	/	/	34.30	11.27	46.55	100	290	Peak
5240	95.97	96.95	/	/	34.30	11.27	46.55	100	290	Average
5350	53.45	54.30	74.00	-20.55	34.34	11.39	46.58	100	290	Peak
5350	48.03	48.88	54.00	-5.97	34.34	11.39	46.58	100	290	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	54.68	74.00	-20.25	34.42	11.17	46.52	100	285	Peak
5150	48.17	49.10	54.00	-5.83	34.42	11.17	46.52	100	285	Average
5240	107.14	107.93	/	/	34.49	11.27	46.55	100	285	Peak
5240	101.46	102.25	/	/	34.49	11.27	46.55	100	285	Average
5350	54.04	54.65	74.00	-19.96	34.58	11.39	46.58	100	285	Peak
5350	47.73	48.34	54.00	-6.27	34.58	11.39	46.58	100	285	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.



802.11n (40MHz)

CHANNEL	TX Channel 38	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	53.78	54.87	74.00	-20.22	34.26	11.17	46.52	100	290	Peak
5150	48.28	49.37	54.00	-5.72	34.26	11.17	46.52	100	290	Average
5190	92.68	93.72	/	/	34.28	11.21	46.53	100	290	Peak
5190	90.92	91.96	/	/	34.28	11.21	46.53	100	290	Average
5350	53.84	54.69	74.00	-20.16	34.34	11.39	46.58	100	290	Peak
5350	47.59	48.44	54.00	-6.41	34.34	11.39	46.58	100	290	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	53.42	54.35	74.00	-20.58	34.42	11.17	46.52	100	285	Peak
5150	48.31	49.24	54.00	-5.69	34.42	11.17	46.52	100	285	Average
5190	99.28	100.15	/	/	34.45	11.21	46.53	100	285	Peak
5190	95.75	96.62	/	/	34.45	11.21	46.53	100	285	Average
5350	53.80	54.41	74.00	-20.20	34.58	11.39	46.58	100	285	Peak
5350	47.64	48.25	54.00	-6.36	34.58	11.39	46.58	100	285	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5190MHz: Fundamental frequency.

CHANNEL	TX Channel 46	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	53.74	54.83	74.00	-20.26	34.26	11.17	46.52	100	290	Peak
5150	48.07	49.16	54.00	-5.93	34.26	11.17	46.52	100	290	Average
5230	94.69	95.68	/	/	34.29	11.26	46.54	100	290	Peak
5230	93.31	94.30	/	/	34.29	11.26	46.54	100	290	Average
5350	53.42	54.27	74.00	-20.58	34.34	11.39	46.58	100	290	Peak
5350	47.83	48.68	54.00	-6.17	34.34	11.39	46.58	100	290	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	54.43	55.36	74.00	-19.57	34.42	11.17	46.52	100	285	Peak
5150	48.37	49.30	54.00	-5.63	34.42	11.17	46.52	100	285	Average
5230	99.46	100.26	/	/	34.48	11.26	46.54	100	285	Peak
5230	96.16	96.96	/	/	34.48	11.26	46.54	100	285	Average
5350	53.42	54.03	74.00	-20.58	34.58	11.39	46.58	100	285	Peak
5350	48.29	48.90	54.00	-5.71	34.58	11.39	46.58	100	285	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5230MHz: Fundamental frequency.



802.11ax (20MHz)

CHANNEL	TX Channel 36	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	53.64	54.73	74.00	-20.36	34.26	11.17	46.52	100	290	Peak
5150	47.67	48.76	54.00	-6.33	34.26	11.17	46.52	100	290	Average
5180	99.76	100.82	/	/	34.27	11.20	46.53	100	290	Peak
5180	93.05	94.11	/	/	34.27	11.20	46.53	100	290	Average
5350	54.06	54.91	74.00	-19.94	34.34	11.39	46.58	100	290	Peak
5350	47.87	48.72	54.00	-6.13	34.34	11.39	46.58	100	290	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	53.92	54.85	74.00	-20.08	34.42	11.17	46.52	100	285	Peak
5150	47.99	48.92	54.00	-6.01	34.42	11.17	46.52	100	285	Average
5180	106.21	107.10	/	/	34.44	11.20	46.53	100	285	Peak
5180	99.64	100.53	/	/	34.44	11.20	46.53	100	285	Average
5350	54.68	55.29	74.00	-19.32	34.58	11.39	46.58	100	285	Peak
5350	47.65	48.26	54.00	-6.35	34.58	11.39	46.58	100	285	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5180MHz: Fundamental frequency.

CHANNEL	TX Channel 40	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	53.43	54.52	74.00	-20.57	34.26	11.17	46.52	100	290	Peak
5150	47.45	48.54	54.00	-6.55	34.26	11.17	46.52	100	290	Average
5200	100.14	101.18	/	/	34.28	11.22	46.54	100	290	Peak
5200	93.42	94.46	/	/	34.28	11.22	46.54	100	290	Average
5350	53.55	54.40	74.00	-20.45	34.34	11.39	46.58	100	290	Peak
5350	47.48	48.33	54.00	-6.52	34.34	11.39	46.58	100	290	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	55.08	56.01	74.00	-18.92	34.42	11.17	46.52	100	285	Peak
5150	47.70	48.63	54.00	-6.30	34.42	11.17	46.52	100	285	Average
5200	105.65	106.51	/	/	34.46	11.22	46.54	100	285	Peak
5200	99.11	99.97	/	/	34.46	11.22	46.54	100	285	Average
5350	54.12	54.73	74.00	-19.88	34.58	11.39	46.58	100	285	Peak
5350	48.88	49.49	54.00	-5.12	34.58	11.39	46.58	100	285	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.

CHANNEL	TX Channel 48	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	54.39	55.48	74.00	-19.61	34.26	11.17	46.52	100	290	Peak
5150	47.62	48.71	54.00	-6.38	34.26	11.17	46.52	100	290	Average
5240	98.58	99.56	/	/	34.30	11.27	46.55	100	290	Peak
5240	92.47	93.45	/	/	34.30	11.27	46.55	100	290	Average
5350	53.86	54.71	74.00	-20.14	34.34	11.39	46.58	100	290	Peak
5350	48.15	49.00	54.00	-5.85	34.34	11.39	46.58	100	290	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	54.13	55.06	74.00	-19.87	34.42	11.17	46.52	100	285	Peak
5150	47.46	48.39	54.00	-6.54	34.42	11.17	46.52	100	285	Average
5240	104.68	105.47	/	/	34.49	11.27	46.55	100	285	Peak
5240	98.45	99.24	/	/	34.49	11.27	46.55	100	285	Average
5350	54.02	54.63	74.00	-19.98	34.58	11.39	46.58	100	285	Peak
5350	48.56	49.17	54.00	-5.44	34.58	11.39	46.58	100	285	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.



802.11ax (40MHz)

CHANNEL	TX Channel 38	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	53.20	54.29	74.00	-20.80	34.26	11.17	46.52	100	292	Peak
5150	48.14	49.23	54.00	-5.86	34.26	11.17	46.52	100	292	Average
5190	95.27	96.31	/	/	34.28	11.21	46.53	100	292	Peak
5190	90.20	91.24	/	/	34.28	11.21	46.53	100	292	Average
5350	53.35	54.20	74.00	-20.65	34.34	11.39	46.58	100	292	Peak
5350	47.37	48.22	54.00	-6.63	34.34	11.39	46.58	100	292	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	53.42	54.35	74.00	-20.58	34.42	11.17	46.52	100	293	Peak
5150	49.32	50.25	54.00	-4.68	34.42	11.17	46.52	100	293	Average
5190	102.56	103.43	/	/	34.45	11.21	46.53	100	293	Peak
5190	97.19	98.06	/	/	34.45	11.21	46.53	100	293	Average
5350	54.33	54.94	74.00	-19.67	34.58	11.39	46.58	100	293	Peak
5350	48.62	49.23	54.00	-5.38	34.58	11.39	46.58	100	293	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5190MHz: Fundamental frequency.

CHANNEL	TX Channel 46	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	53.73	54.82	74.00	-20.27	34.26	11.17	46.52	100	292	Peak
5150	47.87	48.96	54.00	-6.13	34.26	11.17	46.52	100	292	Average
5230	95.37	96.36	/	/	34.29	11.26	46.54	100	292	Peak
5230	89.84	90.83	/	/	34.29	11.26	46.54	100	292	Average
5350	54.02	54.87	74.00	-19.98	34.34	11.39	46.58	100	292	Peak
5350	47.54	48.39	54.00	-6.46	34.34	11.39	46.58	100	292	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	53.79	54.72	74.00	-20.21	34.42	11.17	46.52	100	295	Peak
5150	47.82	48.75	54.00	-6.18	34.42	11.17	46.52	100	295	Average
5230	101.70	102.50	/	/	34.48	11.26	46.54	100	295	Peak
5230	96.09	96.89	/	/	34.48	11.26	46.54	100	295	Average
5350	54.03	54.64	74.00	-19.97	34.58	11.39	46.58	100	295	Peak
5350	48.05	48.66	54.00	-5.95	34.58	11.39	46.58	100	295	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5230MHz: Fundamental frequency.



Test Report No.: W7L-231127W001RF03

802.11ac (80MHz)

CHANNEL	TX Channel 42	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	53.34	54.43	74.00	-20.66	34.26	11.17	46.52	100	298	Peak
5150	48.01	49.10	54.00	-5.99	34.26	11.17	46.52	100	298	Average
5210	92.69	93.71	/	/	34.28	11.24	46.54	100	298	Peak
5210	90.00	91.02	/	/	34.28	11.24	46.54	100	298	Average
5350	53.54	54.39	74.00	-20.46	34.34	11.39	46.58	100	298	Peak
5350	47.33	48.18	54.00	-6.67	34.34	11.39	46.58	100	298	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	54.23	55.16	74.00	-19.77	34.42	11.17	46.52	100	292	Peak
5150	49.99	50.92	54.00	-4.01	34.42	11.17	46.52	100	292	Average
5210	96.53	97.36	/	/	34.47	11.24	46.54	100	292	Peak
5210	94.24	95.07	/	/	34.47	11.24	46.54	100	292	Average
5350	53.44	54.05	74.00	-20.56	34.58	11.39	46.58	100	292	Peak
5350	48.26	48.87	54.00	-5.74	34.58	11.39	46.58	100	292	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5210MHz: Fundamental frequency.



Test Report No.: W7L-231127W001RF03

802.11ax (80MHz)

CHANNEL	TX Channel 42	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	53.40	54.49	74.00	-20.60	34.26	11.17	46.52	100	292	Peak
5150	48.26	49.35	54.00	-5.74	34.26	11.17	46.52	100	292	Average
5210	91.26	92.28	/	/	34.28	11.24	46.54	100	292	Peak
5210	86.63	87.65	/	/	34.28	11.24	46.54	100	292	Average
5350	53.71	54.56	74.00	-20.29	34.34	11.39	46.58	100	292	Peak
5350	47.30	48.15	54.00	-6.70	34.34	11.39	46.58	100	292	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	54.64	55.57	74.00	-19.36	34.42	11.17	46.52	100	295	Peak
5150	50.47	51.40	54.00	-3.53	34.42	11.17	46.52	100	295	Average
5210	97.95	98.78	/	/	34.47	11.24	46.54	100	295	Peak
5210	93.22	94.05	/	/	34.47	11.24	46.54	100	295	Average
5350	54.24	54.85	74.00	-19.76	34.58	11.39	46.58	100	295	Peak
5350	48.94	49.55	54.00	-5.06	34.58	11.39	46.58	100	295	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5210MHz: Fundamental frequency.



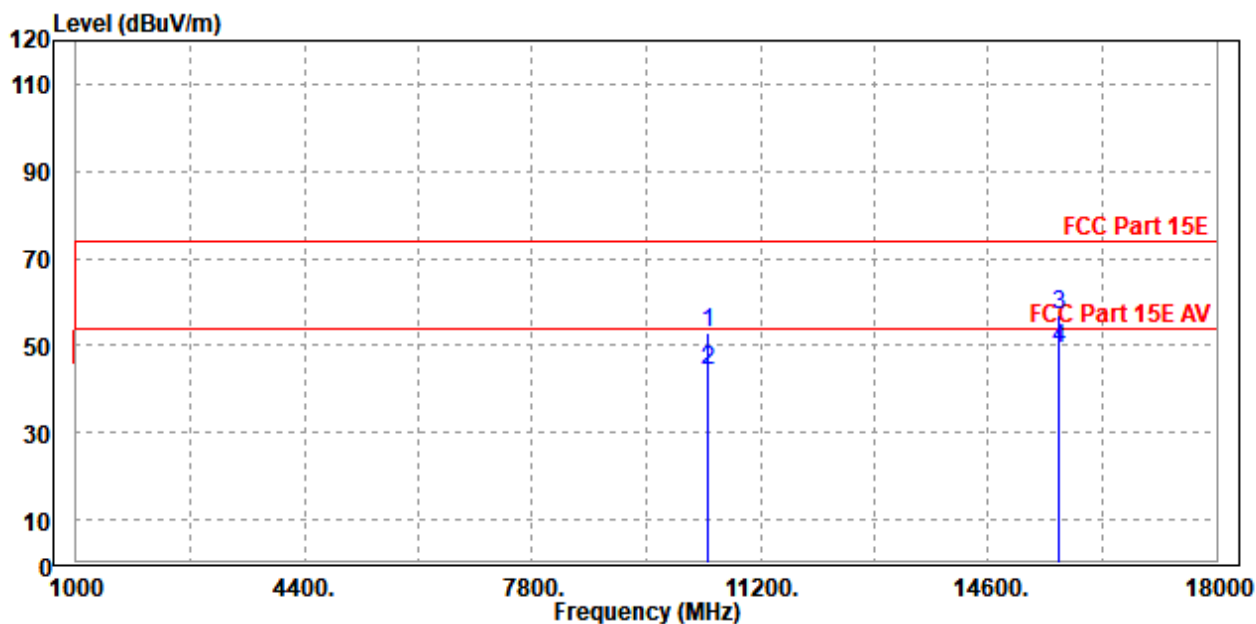
802.11ax (80MHz)

Worst case harmonic:

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

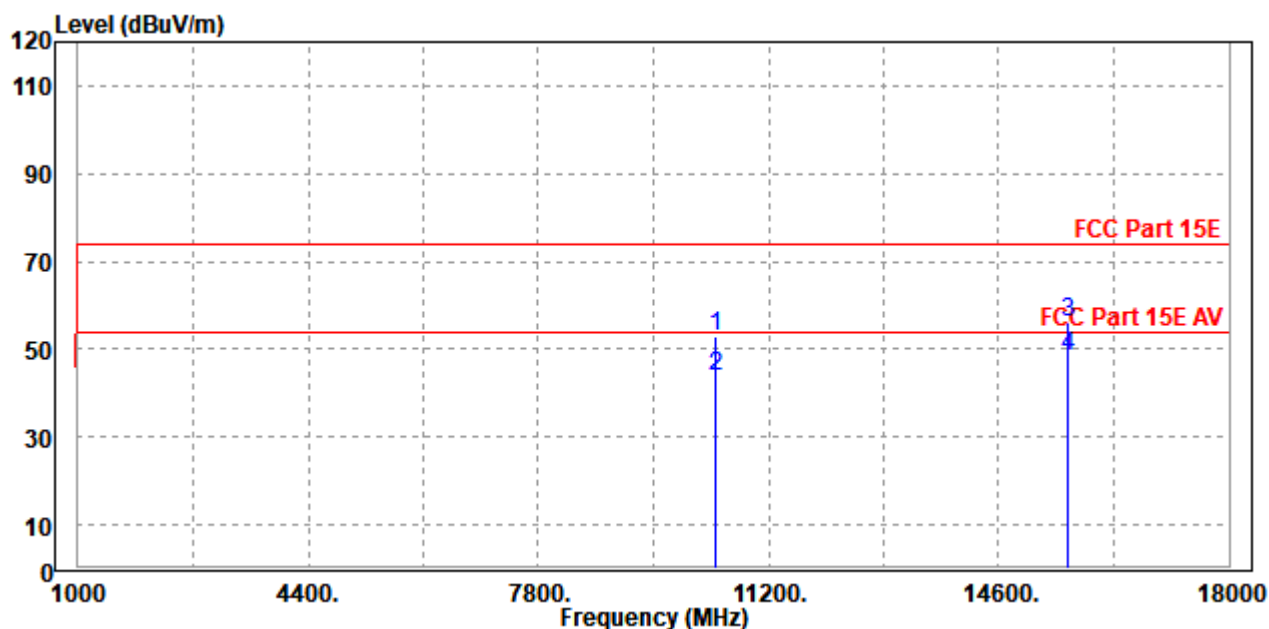
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10420.000	52.77	44.61	74.00	-21.23	8.16	Peak	Horizontal
2	10420.000	44.15	35.99	54.00	-9.85	8.16	Average	Horizontal
3	PK15637.000	57.18	41.12	74.00	-16.82	16.06	Peak	Horizontal
4	PP15637.000	49.34	33.28	54.00	-4.66	16.06	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	10418.000	53.05	44.68	74.00	-20.95	8.37	Peak	Vertical
2	10418.000	43.69	35.32	54.00	-10.31	8.37	Average	Vertical
3	PK15630.000	56.26	39.99	74.00	-17.74	16.27	Peak	Vertical
4	PP15630.000	48.43	32.16	54.00	-5.57	16.27	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5210MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



**BUREAU
VERITAS**

Test Report No.: W7L-231127W001RF03

5G WIFI-RU

802.11ax (20MHz) (RU26):

CHANNEL	TX Channel 36	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	52.37	53.46	74.00	-21.63	34.26	11.17	46.52	100	303	Peak
5150	47.74	48.83	54.00	-6.26	34.26	11.17	46.52	100	303	Average
5180	98.53	99.59	/	/	34.27	11.20	46.53	100	303	Peak
5180	94.19	95.25	/	/	34.27	11.20	46.53	100	303	Average
5350	54.52	55.37	74.00	-19.48	34.34	11.39	46.58	100	303	Peak
5350	47.76	48.61	54.00	-6.24	34.34	11.39	46.58	100	303	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	54.24	55.17	74.00	-19.76	34.42	11.17	46.52	135	277	Peak
5150	48.11	49.04	54.00	-5.89	34.42	11.17	46.52	135	277	Average
5180	107.17	108.06	/	/	34.44	11.20	46.53	135	277	Peak
5180	102.29	103.18	/	/	34.44	11.20	46.53	135	277	Average
5350	53.80	54.41	74.00	-20.20	34.58	11.39	46.58	135	277	Peak
5350	47.83	48.44	54.00	-6.17	34.58	11.39	46.58	135	277	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5180MHz: Fundamental frequency.

CHANNEL	TX Channel 40	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	52.84	53.93	74.00	-21.16	34.26	11.17	46.52	100	305	Peak
5150	47.25	48.34	54.00	-6.75	34.26	11.17	46.52	100	305	Average
5200	100.59	101.63	/	/	34.28	11.22	46.54	100	305	Peak
5200	95.00	96.04	/	/	34.28	11.22	46.54	100	305	Average
5350	53.20	54.05	74.00	-20.80	34.34	11.39	46.58	100	305	Peak
5350	47.95	48.80	54.00	-6.05	34.34	11.39	46.58	100	305	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	53.45	54.38	74.00	-20.55	34.42	11.17	46.52	152	277	Peak
5150	47.24	48.17	54.00	-6.76	34.42	11.17	46.52	152	277	Average
5200	109.19	110.05	/	/	34.46	11.22	46.54	152	277	Peak
5200	103.34	104.20	/	/	34.46	11.22	46.54	152	277	Average
5350	53.70	54.31	74.00	-20.30	34.58	11.39	46.58	152	277	Peak
5350	47.48	48.09	54.00	-6.52	34.58	11.39	46.58	152	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.

CHANNEL	TX Channel 48	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	54.27	55.36	74.00	-19.73	34.26	11.17	46.52	100	305	Peak
5150	47.65	48.74	54.00	-6.35	34.26	11.17	46.52	100	305	Average
5240	102.74	103.72	/	/	34.30	11.27	46.55	100	305	Peak
5240	96.58	97.56	/	/	34.30	11.27	46.55	100	305	Average
5350	54.34	55.19	74.00	-19.66	34.34	11.39	46.58	100	305	Peak
5350	48.06	48.91	54.00	-5.94	34.34	11.39	46.58	100	305	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	54.02	54.95	74.00	-19.98	34.42	11.17	46.52	147	277	Peak
5150	47.62	48.55	54.00	-6.38	34.42	11.17	46.52	147	277	Average
5240	110.49	111.28	/	/	34.49	11.27	46.55	147	277	Peak
5240	104.61	105.40	/	/	34.49	11.27	46.55	147	277	Average
5350	53.92	54.53	74.00	-20.08	34.58	11.39	46.58	147	277	Peak
5350	47.73	48.34	54.00	-6.27	34.58	11.39	46.58	147	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.



**BUREAU
VERITAS**

Test Report No.: W7L-231127W001RF03

802.11ax (20MHz) (RU52):

CHANNEL	TX Channel 36	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	52.97	54.06	74.00	-21.03	34.26	11.17	46.52	100	303	Peak
5150	47.80	48.89	54.00	-6.20	34.26	11.17	46.52	100	303	Average
5180	97.55	98.61	/	/	34.27	11.20	46.53	100	303	Peak
5180	92.12	93.18	/	/	34.27	11.20	46.53	100	303	Average
5350	53.46	54.31	74.00	-20.54	34.34	11.39	46.58	100	303	Peak
5350	47.64	48.49	54.00	-6.36	34.34	11.39	46.58	100	303	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	53.17	54.10	74.00	-20.83	34.42	11.17	46.52	147	277	Peak
5150	47.65	48.58	54.00	-6.35	34.42	11.17	46.52	147	277	Average
5180	106.17	107.06	/	/	34.44	11.20	46.53	147	277	Peak
5180	100.70	101.59	/	/	34.44	11.20	46.53	147	277	Average
5350	53.94	54.55	74.00	-20.06	34.58	11.39	46.58	147	277	Peak
5350	47.79	48.40	54.00	-6.21	34.58	11.39	46.58	147	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5180MHz: Fundamental frequency.

CHANNEL	TX Channel 40	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	55.98	74.00	-19.11	34.26	11.17	46.52	100	305	Peak
5150	48.76	49.85	54.00	-5.24	34.26	11.17	46.52	100	305	Average
5200	98.90	99.94	/	/	34.28	11.22	46.54	100	305	Peak
5200	92.93	93.97	/	/	34.28	11.22	46.54	100	305	Average
5350	52.90	53.75	74.00	-21.10	34.34	11.39	46.58	100	305	Peak
5350	47.78	48.63	54.00	-6.22	34.34	11.39	46.58	100	305	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	53.30	54.23	74.00	-20.70	34.42	11.17	46.52	155	277	Peak
5150	47.44	48.37	54.00	-6.56	34.42	11.17	46.52	155	277	Average
5200	107.61	108.47	/	/	34.46	11.22	46.54	155	277	Peak
5200	101.38	102.24	/	/	34.46	11.22	46.54	155	277	Average
5350	53.83	54.44	74.00	-20.17	34.58	11.39	46.58	155	277	Peak
5350	47.68	48.29	54.00	-6.32	34.58	11.39	46.58	155	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.

CHANNEL	TX Channel 48	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	52.39	53.48	74	-21.61	34.26	11.17	46.52	100	305	Peak
5150	47.97	49.06	54	-6.03	34.26	11.17	46.52	100	305	Average
5240	97.69	98.67	/	/	34.3	11.27	46.55	100	305	Peak
5240	92.21	93.19	/	/	34.3	11.27	46.55	100	305	Average
5350	53.18	54.03	74	-20.82	34.34	11.39	46.58	100	305	Peak
5350	47.52	48.37	54	-6.48	34.34	11.39	46.58	100	305	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	54.93	74	-20	34.42	11.17	46.52	155	277	Peak
5150	48.15	49.08	54	-5.85	34.42	11.17	46.52	155	277	Average
5240	105.91	106.7	/	/	34.49	11.27	46.55	155	277	Peak
5240	100.15	100.94	/	/	34.49	11.27	46.55	155	277	Average
5350	54.99	55.6	74	-19.01	34.58	11.39	46.58	155	277	Peak
5350	48.28	48.89	54	-5.72	34.58	11.39	46.58	155	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.



802.11ax (20MHz) (RU106):

CHANNEL	TX Channel 36	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	53.05	54.14	74.00	-20.95	34.26	11.17	46.52	100	305	Peak
5150	47.32	48.41	54.00	-6.68	34.26	11.17	46.52	100	305	Average
5180	98.01	99.07	/	/	34.27	11.20	46.53	100	305	Peak
5180	91.87	92.93	/	/	34.27	11.20	46.53	100	305	Average
5350	52.79	53.64	74.00	-21.21	34.34	11.39	46.58	100	305	Peak
5350	46.69	47.54	54.00	-7.31	34.34	11.39	46.58	100	305	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	53.50	54.43	74.00	-20.50	34.42	11.17	46.52	155	277	Peak
5150	48.73	49.66	54.00	-5.27	34.42	11.17	46.52	155	277	Average
5180	106.09	106.98	/	/	34.44	11.20	46.53	155	277	Peak
5180	100.70	101.59	/	/	34.44	11.20	46.53	155	277	Average
5350	52.59	53.20	74.00	-21.41	34.58	11.39	46.58	155	277	Peak
5350	47.55	48.16	54.00	-6.45	34.58	11.39	46.58	155	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5180MHz: Fundamental frequency.

CHANNEL	TX Channel 40	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	53.63	54.72	74.00	-20.37	34.26	11.17	46.52	100	305	Peak
5150	47.38	48.47	54.00	-6.62	34.26	11.17	46.52	100	305	Average
5200	98.20	99.24	/	/	34.28	11.22	46.54	100	305	Peak
5200	92.45	93.49	/	/	34.28	11.22	46.54	100	305	Average
5350	54.34	55.19	74.00	-19.66	34.34	11.39	46.58	100	305	Peak
5350	47.80	48.65	54.00	-6.20	34.34	11.39	46.58	100	305	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	53.23	54.16	74.00	-20.77	34.42	11.17	46.52	155	277	Peak
5150	47.33	48.26	54.00	-6.67	34.42	11.17	46.52	155	277	Average
5200	106.11	106.97	/	/	34.46	11.22	46.54	155	277	Peak
5200	102.09	102.95	/	/	34.46	11.22	46.54	155	277	Average
5350	53.03	53.64	74.00	-20.97	34.58	11.39	46.58	155	277	Peak
5350	48.04	48.65	54.00	-5.96	34.58	11.39	46.58	155	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.

CHANNEL	TX Channel 48	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	53.41	54.50	74.00	-20.59	34.26	11.17	46.52	100	305	Peak
5150	47.32	48.41	54.00	-6.68	34.26	11.17	46.52	100	305	Average
5240	100.33	101.31	/	/	34.30	11.27	46.55	100	305	Peak
5240	91.71	92.69	/	/	34.30	11.27	46.55	100	305	Average
5350	52.72	53.57	74.00	-21.28	34.34	11.39	46.58	100	305	Peak
5350	48.63	49.48	54.00	-5.37	34.34	11.39	46.58	100	305	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	52.82	53.75	74.00	-21.18	34.42	11.17	46.52	155	277	Peak
5150	46.93	47.86	54.00	-7.07	34.42	11.17	46.52	155	277	Average
5240	106.33	107.12	/	/	34.49	11.27	46.55	155	277	Peak
5240	99.41	100.20	/	/	34.49	11.27	46.55	155	277	Average
5350	54.38	54.99	74.00	-19.62	34.58	11.39	46.58	155	277	Peak
5350	48.26	48.87	54.00	-5.74	34.58	11.39	46.58	155	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.



Test Report No.: W7L-231127W001RF03

802.11ax (20MHz) (RU242):

CHANNEL	TX Channel 36	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	54.70	55.79	74.00	-19.30	34.26	11.17	46.52	100	305	Peak
5150	47.99	49.08	54.00	-6.01	34.26	11.17	46.52	100	305	Average
5180	94.36	95.42	/	/	34.27	11.20	46.53	100	305	Peak
5180	87.59	88.65	/	/	34.27	11.20	46.53	100	305	Average
5350	52.66	53.51	74.00	-21.34	34.34	11.39	46.58	100	305	Peak
5350	47.32	48.17	54.00	-6.68	34.34	11.39	46.58	100	305	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	53.88	54.81	74.00	-20.12	34.42	11.17	46.52	155	277	Peak
5150	48.38	49.31	54.00	-5.62	34.42	11.17	46.52	155	277	Average
5180	102.25	103.14	/	/	34.44	11.20	46.53	155	277	Peak
5180	96.33	97.22	/	/	34.44	11.20	46.53	155	277	Average
5350	53.55	54.16	74.00	-20.45	34.58	11.39	46.58	155	277	Peak
5350	47.95	48.56	54.00	-6.05	34.58	11.39	46.58	155	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5180MHz: Fundamental frequency.

CHANNEL	TX Channel 40	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	53.09	54.18	74.00	-20.91	34.26	11.17	46.52	100	305	Peak
5150	47.48	48.57	54.00	-6.52	34.26	11.17	46.52	100	305	Average
5200	95.24	96.28	/	/	34.28	11.22	46.54	100	305	Peak
5200	89.03	90.07	/	/	34.28	11.22	46.54	100	305	Average
5350	52.83	53.68	74.00	-21.17	34.34	11.39	46.58	100	305	Peak
5350	47.31	48.16	54.00	-6.69	34.34	11.39	46.58	100	305	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	53.82	54.75	74.00	-20.18	34.42	11.17	46.52	155	277	Peak
5150	47.79	48.72	54.00	-6.21	34.42	11.17	46.52	155	277	Average
5200	102.96	103.82	/	/	34.46	11.22	46.54	155	277	Peak
5200	97.41	98.27	/	/	34.46	11.22	46.54	155	277	Average
5350	53.67	54.28	74.00	-20.33	34.58	11.39	46.58	155	277	Peak
5350	53.48	54.09	54.00	-0.52	34.58	11.39	46.58	155	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.

CHANNEL	TX Channel 48	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	53.72	54.81	74.00	-20.28	34.26	11.17	46.52	100	305	Peak
5150	46.99	48.08	54.00	-7.01	34.26	11.17	46.52	100	305	Average
5240	96.58	97.56	/	/	34.30	11.27	46.55	100	305	Peak
5240	89.13	90.11	/	/	34.30	11.27	46.55	100	305	Average
5350	54.00	54.85	74.00	-20.00	34.34	11.39	46.58	100	305	Peak
5350	47.31	48.16	54.00	-6.69	34.34	11.39	46.58	100	305	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	53.84	54.77	74.00	-20.16	34.42	11.17	46.52	155	277	Peak
5150	47.59	48.52	54.00	-6.41	34.42	11.17	46.52	155	277	Average
5240	102.76	103.55	/	/	34.49	11.27	46.55	155	277	Peak
5240	96.84	97.63	/	/	34.49	11.27	46.55	155	277	Average
5350	54.08	54.69	74.00	-19.92	34.58	11.39	46.58	155	277	Peak
5350	48.25	48.86	54.00	-5.75	34.58	11.39	46.58	155	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5240MHz: Fundamental frequency.



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Test Report No.: W7L-231127W001RF03

802.11ax (40MHz) (RU484):

CHANNEL	TX Channel 38	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	52.01	53.10	74.00	-21.99	34.26	11.17	46.52	100	305	Peak
5150	47.15	48.24	54.00	-6.85	34.26	11.17	46.52	100	305	Average
5190	90.38	91.42	/	/	34.28	11.21	46.53	100	305	Peak
5190	84.72	85.76	/	/	34.28	11.21	46.53	100	305	Average
5350	52.41	53.26	74.00	-21.59	34.34	11.39	46.58	100	305	Peak
5350	47.01	47.86	54.00	-6.99	34.34	11.39	46.58	100	305	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	52.49	53.42	74.00	-21.51	34.42	11.17	46.52	155	277	Peak
5150	47.77	48.70	54.00	-6.23	34.42	11.17	46.52	155	277	Average
5190	98.25	99.12	/	/	34.45	11.21	46.53	155	277	Peak
5190	93.24	94.11	/	/	34.45	11.21	46.53	155	277	Average
5350	52.57	53.18	74.00	-21.43	34.58	11.39	46.58	155	277	Peak
5350	47.30	47.91	54.00	-6.70	34.58	11.39	46.58	155	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5190MHz: Fundamental frequency.

CHANNEL	TX Channel 46	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	52.98	54.07	74.00	-21.02	34.26	11.17	46.52	100	305	Peak
5150	47.00	48.09	54.00	-7.00	34.26	11.17	46.52	100	305	Average
5230	90.73	91.72	/	/	34.29	11.26	46.54	100	305	Peak
5230	84.67	85.66	/	/	34.29	11.26	46.54	100	305	Average
5350	53.43	54.28	74.00	-20.57	34.34	11.39	46.58	100	305	Peak
5350	47.38	48.23	54.00	-6.62	34.34	11.39	46.58	100	305	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	52.61	53.54	74.00	-21.39	34.42	11.17	46.52	155	277	Peak
5150	47.34	48.27	54.00	-6.66	34.42	11.17	46.52	155	277	Average
5230	99.76	100.56	/	/	34.48	11.26	46.54	155	277	Peak
5230	92.62	93.42	/	/	34.48	11.26	46.54	155	277	Average
5350	51.99	52.60	74.00	-22.01	34.58	11.39	46.58	155	277	Peak
5350	48.26	48.87	54.00	-5.74	34.58	11.39	46.58	155	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5230MHz: Fundamental frequency.



802.11ax (80MHz) (RU996):

CHANNEL	TX Channel 42	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	52.86	53.95	74.00	-21.14	34.26	11.17	46.52	100	305	Peak
5150	48.04	49.13	54.00	-5.96	34.26	11.17	46.52	100	305	Average
5210	85.97	86.99	/	/	34.28	11.24	46.54	100	305	Peak
5210	80.32	81.34	/	/	34.28	11.24	46.54	100	305	Average
5350	52.24	53.09	74.00	-21.76	34.34	11.39	46.58	100	305	Peak
5350	47.01	47.86	54.00	-6.99	34.34	11.39	46.58	100	305	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	52.93	53.86	74.00	-21.07	34.42	11.17	46.52	155	277	Peak
5150	48.82	49.75	54.00	-5.18	34.42	11.17	46.52	155	277	Average
5210	93.26	94.09	/	/	34.47	11.24	46.54	155	277	Peak
5210	88.45	89.28	/	/	34.47	11.24	46.54	155	277	Average
5350	52.81	53.42	74.00	-21.19	34.58	11.39	46.58	155	277	Peak
5350	47.18	47.79	54.00	-6.82	34.58	11.39	46.58	155	277	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5210MHz: Fundamental frequency.



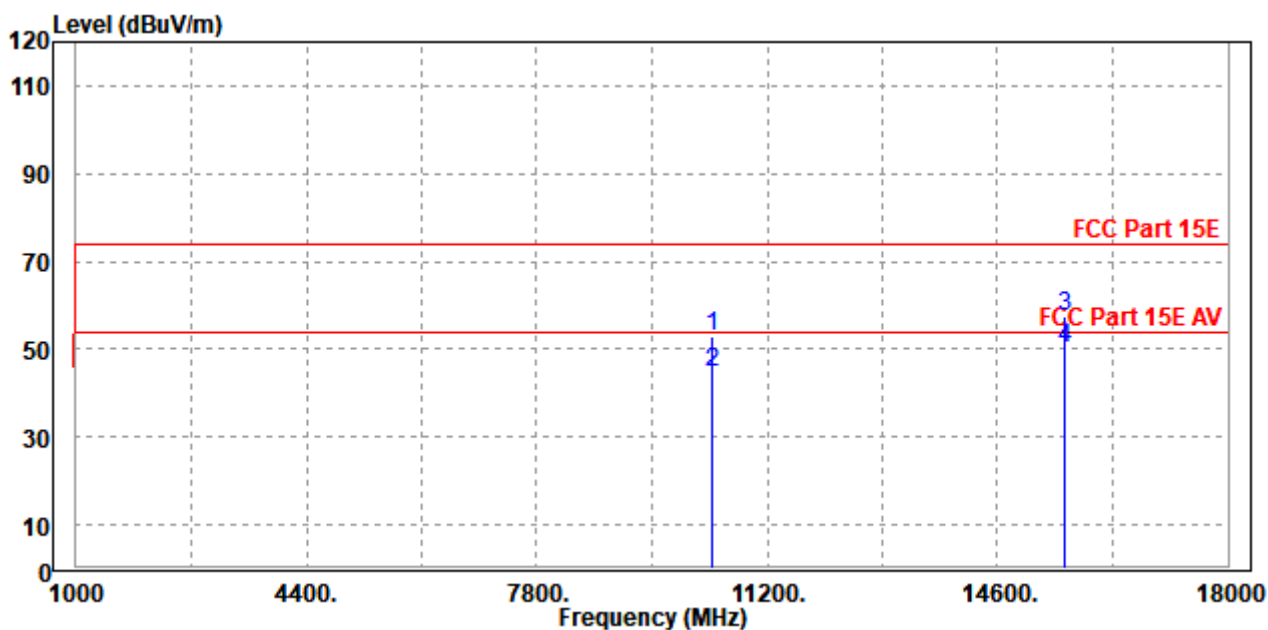
802.11ax (20MHz) (RU52):

Worst case harmonic:

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

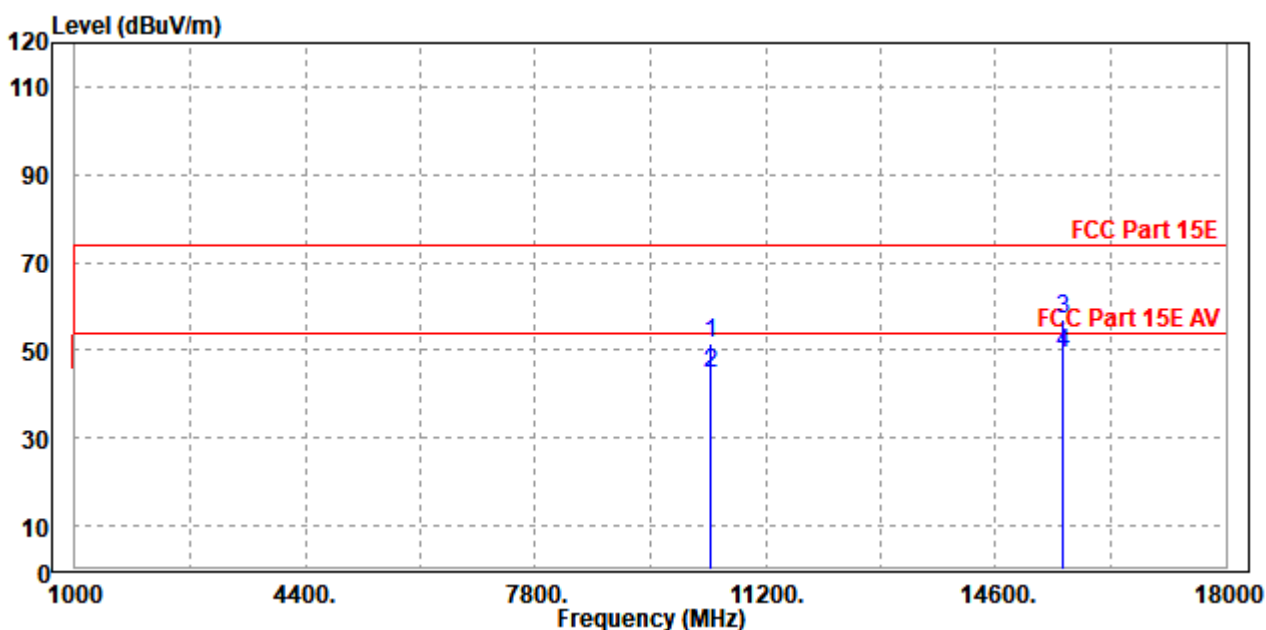
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10400.000	52.97	44.81	74.00	-21.03	8.16	Peak	Horizontal
2	10400.000	44.51	36.35	54.00	-9.49	8.16	Average	Horizontal
3	PK15603.000	57.40	41.38	74.00	-16.60	16.02	Peak	Horizontal
4	PP15603.000	50.05	34.03	54.00	-3.95	16.02	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	10401.000	51.59	43.23	74.00	-22.41	8.36	Peak	Vertical
2	10401.000	44.51	36.15	54.00	-9.49	8.36	Average	Vertical
3	PK15600.000	57.00	40.79	74.00	-17.00	16.21	Peak	Vertical
4	PP15600.000	49.46	33.25	54.00	-4.54	16.21	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5200MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



Test Report No.: W7L-231127W001RF03

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	53.06	54.15	74.00	-20.94	34.26	11.17	46.52	100	295	Peak
5150	47.24	48.33	54.00	-6.76	34.26	11.17	46.52	100	295	Average
5260	104.94	105.90	/	/	34.30	11.29	46.55	100	295	Peak
5260	97.90	98.86	/	/	34.30	11.29	46.55	100	295	Average
5350	53.06	53.91	74.00	-20.94	34.34	11.39	46.58	100	295	Peak
5350	47.31	48.16	54.00	-6.69	34.34	11.39	46.58	100	295	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	56.13	74.00	-18.80	34.42	11.17	46.52	100	295	Peak
5150	48.28	49.21	54.00	-5.72	34.42	11.17	46.52	100	295	Average
5260	108.83	109.58	/	/	34.51	11.29	46.55	100	295	Peak
5260	101.59	102.34	/	/	34.51	11.29	46.55	100	295	Average
5350	53.96	54.57	74.00	-20.04	34.58	11.39	46.58	100	295	Peak
5350	47.63	48.24	54.00	-6.37	34.58	11.39	46.58	100	295	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 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	53.75	54.84	74.00	-20.25	34.26	11.17	46.52	100	298	Peak
5150	48.50	49.59	54.00	-5.50	34.26	11.17	46.52	100	298	Average
5300	104.99	105.89	/	/	34.32	11.34	46.56	100	298	Peak
5300	98.41	99.31	/	/	34.32	11.34	46.56	100	298	Average
5350	54.43	55.28	74.00	-19.57	34.34	11.39	46.58	100	298	Peak
5350	47.49	48.34	54.00	-6.51	34.34	11.39	46.58	100	298	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	53.95	54.88	74.00	-20.05	34.42	11.17	46.52	100	295	Peak
5150	47.63	48.56	54.00	-6.37	34.42	11.17	46.52	100	295	Average
5300	106.72	107.40	/	/	34.54	11.34	46.56	100	295	Peak
5300	100.10	100.78	/	/	34.54	11.34	46.56	100	295	Average
5350	54.32	54.93	74.00	-19.68	34.58	11.39	46.58	100	295	Peak
5350	48.56	49.17	54.00	-5.44	34.58	11.39	46.58	100	295	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 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	54.01	55.10	74.00	-19.99	34.26	11.17	46.52	100	298	Peak
5150	47.90	48.99	54.00	-6.10	34.26	11.17	46.52	100	298	Average
5320	103.89	104.77	/	/	34.33	11.36	46.57	100	298	Peak
5320	97.24	98.12	/	/	34.33	11.36	46.57	100	298	Average
5350	54.04	54.89	74.00	-19.96	34.34	11.39	46.58	100	298	Peak
5350	47.64	48.49	54.00	-6.36	34.34	11.39	46.58	100	298	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	54.64	55.57	74.00	-19.36	34.42	11.17	46.52	100	295	Peak
5150	47.17	48.10	54.00	-6.83	34.42	11.17	46.52	100	295	Average
5320	106.15	106.80	/	/	34.56	11.36	46.57	100	295	Peak
5320	99.60	100.25	/	/	34.56	11.36	46.57	100	295	Average
5350	54.40	55.01	74.00	-19.60	34.58	11.39	46.58	100	295	Peak
5350	48.29	48.90	54.00	-5.71	34.58	11.39	46.58	100	295	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5320MHz: Fundamental frequency.



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Test Report No.: W7L-231127W001RF03

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	52.95	54.04	74.00	-21.05	34.26	11.17	46.52	100	298	Peak
5150	47.83	48.92	54.00	-6.17	34.26	11.17	46.52	100	298	Average
5260	103.31	104.27	/	/	34.30	11.29	46.55	100	298	Peak
5260	96.25	97.21	/	/	34.30	11.29	46.55	100	298	Average
5350	53.67	54.52	74.00	-20.33	34.34	11.39	46.58	100	298	Peak
5350	47.16	48.01	54.00	-6.84	34.34	11.39	46.58	100	298	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	53.94	54.87	74.00	-20.06	34.42	11.17	46.52	100	295	Peak
5150	47.33	48.26	54.00	-6.67	34.42	11.17	46.52	100	295	Average
5260	105.37	106.12	/	/	34.51	11.29	46.55	100	295	Peak
5260	99.54	100.29	/	/	34.51	11.29	46.55	100	295	Average
5350	54.31	54.92	74.00	-19.69	34.58	11.39	46.58	100	295	Peak
5350	47.45	48.06	54.00	-6.55	34.58	11.39	46.58	100	295	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 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	53.67	54.76	74.00	-20.33	34.26	11.17	46.52	100	298	Peak
5150	47.93	49.02	54.00	-6.07	34.26	11.17	46.52	100	298	Average
5300	102.86	103.76	/	/	34.32	11.34	46.56	100	298	Peak
5300	97.14	98.04	/	/	34.32	11.34	46.56	100	298	Average
5350	54.26	55.11	74.00	-19.74	34.34	11.39	46.58	100	298	Peak
5350	47.73	48.58	54.00	-6.27	34.34	11.39	46.58	100	298	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	54.53	55.46	74.00	-19.47	34.42	11.17	46.52	100	295	Peak
5150	47.49	48.42	54.00	-6.51	34.42	11.17	46.52	100	295	Average
5300	104.48	105.16	/	/	34.54	11.34	46.56	100	295	Peak
5300	98.50	99.18	/	/	34.54	11.34	46.56	100	295	Average
5350	53.55	54.16	74.00	-20.45	34.58	11.39	46.58	100	295	Peak
5350	48.11	48.72	54.00	-5.89	34.58	11.39	46.58	100	295	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 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	53.24	54.33	74.00	-20.76	34.26	11.17	46.52	100	298	Peak
5150	47.38	48.47	54.00	-6.62	34.26	11.17	46.52	100	298	Average
5320	101.86	102.74	/	/	34.33	11.36	46.57	100	298	Peak
5320	95.43	96.31	/	/	34.33	11.36	46.57	100	298	Average
5350	53.09	53.94	74.00	-20.91	34.34	11.39	46.58	100	298	Peak
5350	48.22	49.07	54.00	-5.78	34.34	11.39	46.58	100	298	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	53.90	54.83	74.00	-20.10	34.42	11.17	46.52	100	295	Peak
5150	48.80	49.73	54.00	-5.20	34.42	11.17	46.52	100	295	Average
5320	103.53	104.18	/	/	34.56	11.36	46.57	100	295	Peak
5320	98.17	98.82	/	/	34.56	11.36	46.57	100	295	Average
5350	55.61	56.22	74.00	-18.39	34.58	11.39	46.58	100	295	Peak
5350	47.60	48.21	54.00	-6.40	34.58	11.39	46.58	100	295	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5320MHz: Fundamental frequency.



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Test Report No.: W7L-231127W001RF03

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	54.23	55.32	74.00	-19.77	34.26	11.17	46.52	100	298	Peak
5150	47.84	48.93	54.00	-6.16	34.26	11.17	46.52	100	298	Average
5270	96.36	97.31	/	/	34.31	11.30	46.56	100	298	Peak
5270	92.35	93.30	/	/	34.31	11.30	46.56	100	298	Average
5350	53.98	54.83	74.00	-20.02	34.34	11.39	46.58	100	298	Peak
5350	47.79	48.64	54.00	-6.21	34.34	11.39	46.58	100	298	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	54.15	55.08	74.00	-19.85	34.42	11.17	46.52	100	290	Peak
5150	47.65	48.58	54.00	-6.35	34.42	11.17	46.52	100	290	Average
5270	99.95	100.69	/	/	34.52	11.30	46.56	100	290	Peak
5270	94.45	95.19	/	/	34.52	11.30	46.56	100	290	Average
5350	53.48	54.09	74.00	-20.52	34.58	11.39	46.58	100	290	Peak
5350	47.46	48.07	54.00	-6.54	34.58	11.39	46.58	100	290	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 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	53.73	54.82	74.00	-20.27	34.26	11.17	46.52	100	298	Peak
5150	46.95	48.04	54.00	-7.05	34.26	11.17	46.52	100	298	Average
5310	96.31	97.21	/	/	34.32	11.35	46.57	100	298	Peak
5310	94.08	94.98	/	/	34.32	11.35	46.57	100	298	Average
5350	53.28	54.13	74.00	-20.72	34.34	11.39	46.58	100	298	Peak
5350	47.53	48.38	54.00	-6.47	34.34	11.39	46.58	100	298	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	54.18	55.11	74.00	-19.82	34.42	11.17	46.52	100	290	Peak
5150	47.93	48.86	54.00	-6.07	34.42	11.17	46.52	100	290	Average
5310	99.22	99.89	/	/	34.55	11.35	46.57	100	290	Peak
5310	94.87	95.54	/	/	34.55	11.35	46.57	100	290	Average
5350	54.36	54.97	74.00	-19.64	34.58	11.39	46.58	100	290	Peak
5350	48.33	48.94	54.00	-5.67	34.58	11.39	46.58	100	290	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5310MHz: Fundamental frequency.



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Test Report No.: W7L-231127W001RF03

802.11ax (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	54.71	55.80	74.00	-19.29	34.26	11.17	46.52	100	298	Peak
5150	47.72	48.81	54.00	-6.28	34.26	11.17	46.52	100	298	Average
5260	102.69	103.65	/	/	34.30	11.29	46.55	100	298	Peak
5260	96.15	97.11	/	/	34.30	11.29	46.55	100	298	Average
5350	53.85	54.70	74.00	-20.15	34.34	11.39	46.58	100	298	Peak
5350	47.26	48.11	54.00	-6.74	34.34	11.39	46.58	100	298	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	53.90	54.83	74.00	-20.10	34.42	11.17	46.52	100	290	Peak
5150	47.41	48.34	54.00	-6.59	34.42	11.17	46.52	100	290	Average
5260	106.24	106.99	/	/	34.51	11.29	46.55	100	290	Peak
5260	99.08	99.83	/	/	34.51	11.29	46.55	100	290	Average
5350	54.31	54.92	74.00	-19.69	34.58	11.39	46.58	100	290	Peak
5350	47.58	48.19	54.00	-6.42	34.58	11.39	46.58	100	290	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 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	53.02	54.11	74.00	-20.98	34.26	11.17	46.52	100	298	Peak
5150	47.25	48.34	54.00	-6.75	34.26	11.17	46.52	100	298	Average
5300	103.19	104.09	/	/	34.32	11.34	46.56	100	298	Peak
5300	96.77	97.67	/	/	34.32	11.34	46.56	100	298	Average
5350	53.78	54.63	74.00	-20.22	34.34	11.39	46.58	100	298	Peak
5350	47.27	48.12	54.00	-6.73	34.34	11.39	46.58	100	298	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	53.83	54.76	74.00	-20.17	34.42	11.17	46.52	100	290	Peak
5150	47.32	48.25	54.00	-6.68	34.42	11.17	46.52	100	290	Average
5300	106.00	106.68	/	/	34.54	11.34	46.56	100	290	Peak
5300	99.05	99.73	/	/	34.54	11.34	46.56	100	290	Average
5350	54.23	54.84	74.00	-19.77	34.58	11.39	46.58	100	290	Peak
5350	47.89	48.50	54.00	-6.11	34.58	11.39	46.58	100	290	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 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	53.27	54.36	74.00	-20.73	34.26	11.17	46.52	100	298	Peak
5150	47.54	48.63	54.00	-6.46	34.26	11.17	46.52	100	298	Average
5320	103.04	103.92	/	/	34.33	11.36	46.57	100	298	Peak
5320	95.79	96.67	/	/	34.33	11.36	46.57	100	298	Average
5350	53.45	54.30	74.00	-20.55	34.34	11.39	46.58	100	298	Peak
5350	47.71	48.56	54.00	-6.29	34.34	11.39	46.58	100	298	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	53.86	54.79	74.00	-20.14	34.42	11.17	46.52	100	290	Peak
5150	48.21	49.14	54.00	-5.79	34.42	11.17	46.52	100	290	Average
5320	105.60	106.25	/	/	34.56	11.36	46.57	100	290	Peak
5320	98.30	98.95	/	/	34.56	11.36	46.57	100	290	Average
5350	54.87	55.48	74.00	-19.13	34.58	11.39	46.58	100	290	Peak
5350	48.01	48.62	54.00	-5.99	34.58	11.39	46.58	100	290	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5320MHz: Fundamental frequency.



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Test Report No.: W7L-231127W001RF03

802.11ax (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	53.89	54.98	74.00	-20.11	34.26	11.17	46.52	100	298	Peak
5150	48.22	49.31	54.00	-5.78	34.26	11.17	46.52	100	298	Average
5270	99.19	100.14	/	/	34.31	11.30	46.56	100	298	Peak
5270	92.93	93.88	/	/	34.31	11.30	46.56	100	298	Average
5350	53.81	54.66	74.00	-20.19	34.34	11.39	46.58	100	298	Peak
5350	47.56	48.41	54.00	-6.44	34.34	11.39	46.58	100	298	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	53.83	54.76	74.00	-20.17	34.42	11.17	46.52	100	290	Peak
5150	47.81	48.74	54.00	-6.19	34.42	11.17	46.52	100	290	Average
5270	102.58	103.32	/	/	34.52	11.30	46.56	100	290	Peak
5270	95.83	96.57	/	/	34.52	11.30	46.56	100	290	Average
5350	53.94	54.55	74.00	-20.06	34.58	11.39	46.58	100	290	Peak
5350	47.86	48.47	54.00	-6.14	34.58	11.39	46.58	100	290	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5270MHz: Fundamental frequency.