



Test Report No.: W7L-231127W001RF03

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	53.04	54.13	74.00	-20.96	34.26	11.17	46.52	100	40	Peak
5150	47.04	48.13	54.00	-6.96	34.26	11.17	46.52	100	40	Average
5180	93.22	94.28	/	/	34.27	11.20	46.53	100	40	Peak
5180	88.93	89.99	/	/	34.27	11.20	46.53	100	40	Average
5350	53.48	54.33	74.00	-20.52	34.34	11.39	46.58	100	40	Peak
5350	47.04	47.89	54.00	-6.96	34.34	11.39	46.58	100	40	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	140	280	Peak
5150	47.44	48.37	54.00	-6.56	34.42	11.17	46.52	140	280	Average
5180	104.94	105.83	/	/	34.44	11.20	46.53	140	280	Peak
5180	99.44	100.33	/	/	34.44	11.20	46.53	140	280	Average
5350	52.76	53.37	74.00	-21.24	34.58	11.39	46.58	140	280	Peak
5350	47.04	47.65	54.00	-6.96	34.58	11.39	46.58	140	280	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	52.16	53.25	74.00	-21.84	34.26	11.17	46.52	100	40	Peak
5150	47.56	48.65	54.00	-6.44	34.26	11.17	46.52	100	40	Average
5200	94.43	95.47	/	/	34.28	11.22	46.54	100	40	Peak
5200	88.91	89.95	/	/	34.28	11.22	46.54	100	40	Average
5350	52.01	52.86	74.00	-21.99	34.34	11.39	46.58	100	40	Peak
5350	47.47	48.32	54.00	-6.53	34.34	11.39	46.58	100	40	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	52.76	53.69	74.00	-21.24	34.42	11.17	46.52	140	280	Peak
5150	48.10	49.03	54.00	-5.90	34.42	11.17	46.52	140	280	Average
5200	104.83	105.69	/	/	34.46	11.22	46.54	140	280	Peak
5200	100.38	101.24	/	/	34.46	11.22	46.54	140	280	Average
5350	53.65	54.26	74.00	-20.35	34.58	11.39	46.58	140	280	Peak
5350	46.96	47.57	54.00	-7.04	34.58	11.39	46.58	140	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	52.62	53.71	74.00	-21.38	34.26	11.17	46.52	100	23	Peak
5150	46.77	47.86	54.00	-7.23	34.26	11.17	46.52	100	23	Average
5240	101.36	102.34	/	/	34.30	11.27	46.55	100	23	Peak
5240	96.28	97.26	/	/	34.30	11.27	46.55	100	23	Average
5350	53.31	54.16	74.00	-20.69	34.34	11.39	46.58	100	23	Peak
5350	47.31	48.16	54.00	-6.69	34.34	11.39	46.58	100	23	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	47.68	48.61	74.00	-26.32	34.42	11.17	46.52	140	280	Peak
5150	46.68	47.61	54.00	-7.32	34.42	11.17	46.52	140	280	Average
5240	110.07	110.86	/	/	34.49	11.27	46.55	140	280	Peak
5240	104.53	105.32	/	/	34.49	11.27	46.55	140	280	Average
5350	52.91	53.52	74.00	-21.09	34.58	11.39	46.58	140	280	Peak
5350	47.04	47.65	54.00	-6.96	34.58	11.39	46.58	140	280	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	53.27	54.36	74.00	-20.73	34.26	11.17	46.52	200	23	Peak
5150	47.55	48.64	54.00	-6.45	34.26	11.17	46.52	200	23	Average
5180	93.76	94.82	/	/	34.27	11.20	46.53	200	23	Peak
5180	87.70	88.76	/	/	34.27	11.20	46.53	200	23	Average
5350	53.09	53.94	74.00	-20.91	34.34	11.39	46.58	200	23	Peak
5350	46.86	47.71	54.00	-7.14	34.34	11.39	46.58	200	23	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	52.53	53.46	74.00	-21.47	34.42	11.17	46.52	140	280	Peak
5150	47.82	48.75	54.00	-6.18	34.42	11.17	46.52	140	280	Average
5180	104.17	105.06	/	/	34.44	11.20	46.53	140	280	Peak
5180	97.66	98.55	/	/	34.44	11.20	46.53	140	280	Average
5350	52.47	53.08	74.00	-21.53	34.58	11.39	46.58	140	280	Peak
5350	46.71	47.32	54.00	-7.29	34.58	11.39	46.58	140	280	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	52.60	53.69	74.00	-21.40	34.26	11.17	46.52	200	23	Peak
5150	46.76	47.85	54.00	-7.24	34.26	11.17	46.52	200	23	Average
5200	94.16	95.20	/	/	34.28	11.22	46.54	200	23	Peak
5200	87.93	88.97	/	/	34.28	11.22	46.54	200	23	Average
5350	53.26	54.11	74.00	-20.74	34.34	11.39	46.58	200	23	Peak
5350	47.10	47.95	54.00	-6.90	34.34	11.39	46.58	200	23	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	140	280	Peak
5150	47.57	48.50	54.00	-6.43	34.42	11.17	46.52	140	280	Average
5200	103.67	104.53	/	/	34.46	11.22	46.54	140	280	Peak
5200	97.75	98.61	/	/	34.46	11.22	46.54	140	280	Average
5350	52.88	53.49	74.00	-21.12	34.58	11.39	46.58	140	280	Peak
5350	47.58	48.19	54.00	-6.42	34.58	11.39	46.58	140	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	52.50	53.59	74.00	-21.50	34.26	11.17	46.52	200	23	Peak
5150	46.55	47.64	54.00	-7.45	34.26	11.17	46.52	200	23	Average
5240	93.13	94.11	/	/	34.30	11.27	46.55	200	23	Peak
5240	87.67	88.65	/	/	34.30	11.27	46.55	200	23	Average
5350	53.33	54.18	74.00	-20.67	34.34	11.39	46.58	200	23	Peak
5350	47.89	48.74	54.00	-6.11	34.34	11.39	46.58	200	23	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	53.01	53.94	74.00	-20.99	34.42	11.17	46.52	140	280	Peak
5150	46.92	47.85	54.00	-7.08	34.42	11.17	46.52	140	280	Average
5240	102.74	103.53	/	/	34.49	11.27	46.55	140	280	Peak
5240	97.52	98.31	/	/	34.49	11.27	46.55	140	280	Average
5350	54.13	54.74	74.00	-19.87	34.58	11.39	46.58	140	280	Peak
5350	48.35	48.96	54.00	-5.65	34.58	11.39	46.58	140	280	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 (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	51.90	52.99	74.00	-22.10	34.26	11.17	46.52	200	23	Peak
5150	47.49	48.58	54.00	-6.51	34.26	11.17	46.52	200	23	Average
5190	89.06	90.10	/	/	34.28	11.21	46.53	200	23	Peak
5190	84.84	85.88	/	/	34.28	11.21	46.53	200	23	Average
5350	51.39	52.24	74.00	-22.61	34.34	11.39	46.58	200	23	Peak
5350	47.36	48.21	54.00	-6.64	34.34	11.39	46.58	200	23	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	51.39	52.32	74.00	-22.61	34.42	11.17	46.52	140	280	Peak
5150	47.33	48.26	54.00	-6.67	34.42	11.17	46.52	140	280	Average
5190	98.40	99.27	/	/	34.45	11.21	46.53	140	280	Peak
5190	98.21	99.08	/	/	34.45	11.21	46.53	140	280	Average
5350	52.04	52.65	74.00	-21.96	34.58	11.39	46.58	140	280	Peak
5350	47.04	47.65	54.00	-6.96	34.58	11.39	46.58	140	280	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	53.56	54.65	74.00	-20.44	34.26	11.17	46.52	100	23	Peak
5150	46.56	47.65	54.00	-7.44	34.26	11.17	46.52	100	23	Average
5230	89.61	90.60	/	/	34.29	11.26	46.54	100	23	Peak
5230	84.27	85.26	/	/	34.29	11.26	46.54	100	23	Average
5350	53.81	54.66	74.00	-20.19	34.34	11.39	46.58	100	23	Peak
5350	47.18	48.03	54.00	-6.82	34.34	11.39	46.58	100	23	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	52.71	53.64	74.00	-21.29	34.42	11.17	46.52	140	280	Peak
5150	46.95	47.88	54.00	-7.05	34.42	11.17	46.52	140	280	Average
5230	97.74	98.54	/	/	34.48	11.26	46.54	140	280	Peak
5230	93.27	94.07	/	/	34.48	11.26	46.54	140	280	Average
5350	54.35	54.96	74.00	-19.65	34.58	11.39	46.58	140	280	Peak
5350	48.42	49.03	54.00	-5.58	34.58	11.39	46.58	140	280	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

802.11ax (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	52.17	53.26	74.00	-21.83	34.26	11.17	46.52	200	23	Peak
5150	46.76	47.85	54.00	-7.24	34.26	11.17	46.52	200	23	Average
5210	87.24	88.26	/	/	34.28	11.24	46.54	200	23	Peak
5210	81.68	82.70	/	/	34.28	11.24	46.54	200	23	Average
5350	52.69	53.54	74.00	-21.31	34.34	11.39	46.58	200	23	Peak
5350	46.73	47.58	54.00	-7.27	34.34	11.39	46.58	200	23	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	52.53	53.46	74.00	-21.47	34.42	11.17	46.52	140	280	Peak
5150	48.73	49.66	54.00	-5.27	34.42	11.17	46.52	140	280	Average
5210	96.76	97.59	/	/	34.47	11.24	46.54	140	280	Peak
5210	91.40	92.23	/	/	34.47	11.24	46.54	140	280	Average
5350	51.67	52.28	74.00	-22.33	34.58	11.39	46.58	140	280	Peak
5350	48.26	48.87	54.00	-5.74	34.58	11.39	46.58	140	280	Average

REMARKS:

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

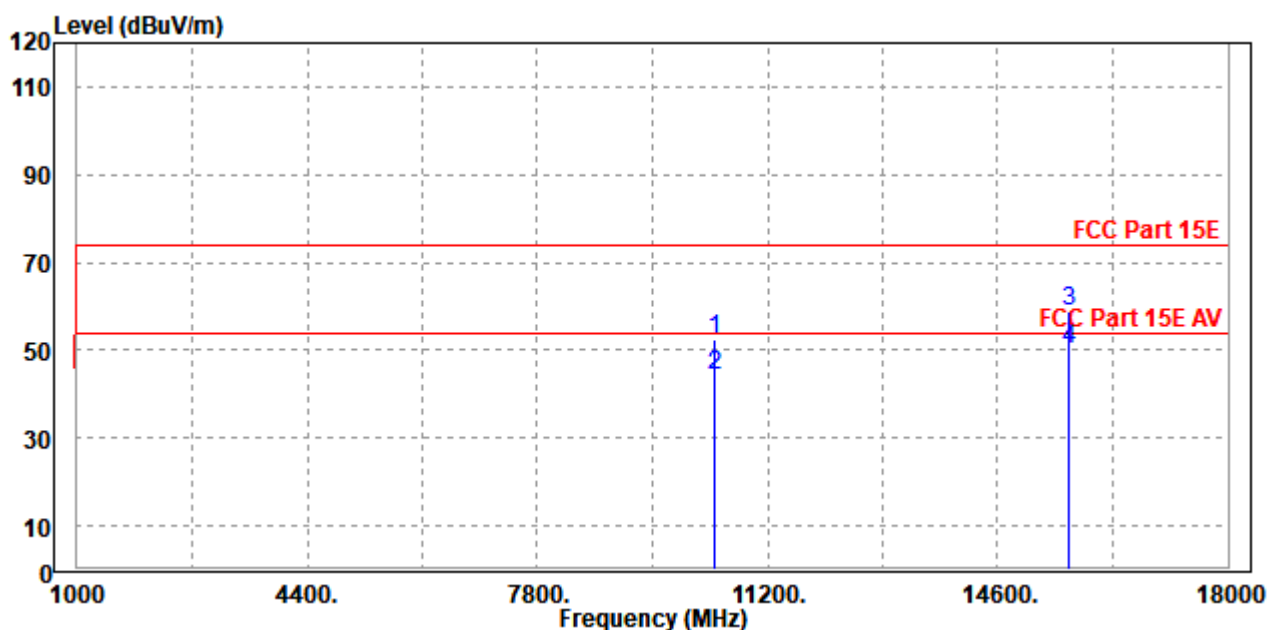
802.11ax (80MHz) (RU996):

Worst case harmonic:

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

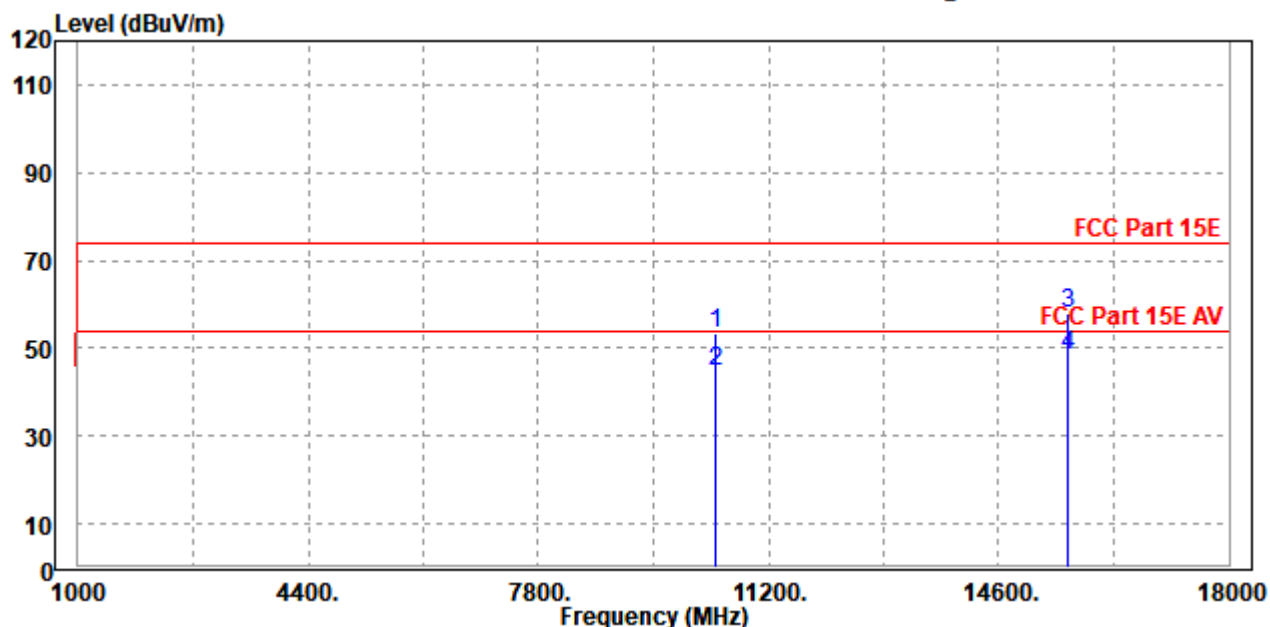
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10420.000	52.29	44.13	74.00	-21.71	8.16	Peak	Horizontal
2	10420.000	44.04	35.88	54.00	-9.96	8.16	Average	Horizontal
3	PK15637.000	58.64	42.58	74.00	-15.36	16.06	Peak	Horizontal
4	PP15637.000	50.16	34.10	54.00	-3.84	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	53.26	44.89	74.00	-20.74	8.37	Peak	Vertical
2	10418.000	44.62	36.25	54.00	-9.38	8.37	Average	Vertical
3	PK15630.000	57.94	41.67	74.00	-16.06	16.27	Peak	Vertical
4	PP15630.000	48.19	31.92	54.00	-5.81	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

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	54.05	55.14	74.00	-19.95	34.26	11.17	46.52	200	275	Peak
5150	46.99	48.08	54.00	-7.01	34.26	11.17	46.52	200	275	Average
5260	102.64	103.60	/	/	34.30	11.29	46.55	200	275	Peak
5260	96.94	97.90	/	/	34.30	11.29	46.55	200	275	Average
5350	53.19	54.04	74.00	-20.81	34.34	11.39	46.58	200	275	Peak
5350	47.87	48.72	54.00	-6.13	34.34	11.39	46.58	200	275	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	53.69	54.62	74.00	-20.31	34.42	11.17	46.52	100	283	Peak
5150	47.44	48.37	54.00	-6.56	34.42	11.17	46.52	100	283	Average
5260	109.20	109.95	/	/	34.51	11.29	46.55	100	283	Peak
5260	103.60	104.35	/	/	34.51	11.29	46.55	100	283	Average
5350	52.97	53.58	74.00	-21.03	34.58	11.39	46.58	100	283	Peak
5350	48.10	48.71	54.00	-5.90	34.58	11.39	46.58	100	283	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	53.57	54.66	74.00	-20.43	34.26	11.17	46.52	200	275	Peak
5150	47.43	48.52	54.00	-6.57	34.26	11.17	46.52	200	275	Average
5300	102.15	103.05	/	/	34.32	11.34	46.56	200	275	Peak
5300	96.44	97.34	/	/	34.32	11.34	46.56	200	275	Average
5350	53.02	53.87	74.00	-20.98	34.34	11.39	46.58	200	275	Peak
5350	47.39	48.24	54.00	-6.61	34.34	11.39	46.58	200	275	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	283	Peak
5150	47.73	48.66	54.00	-6.27	34.42	11.17	46.52	100	283	Average
5300	108.51	109.19	/	/	34.54	11.34	46.56	100	283	Peak
5300	102.82	103.50	/	/	34.54	11.34	46.56	100	283	Average
5350	53.72	54.33	74.00	-20.28	34.58	11.39	46.58	100	283	Peak
5350	48.12	48.73	54.00	-5.88	34.58	11.39	46.58	100	283	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	200	275	Peak
5150	47.57	48.66	54.00	-6.43	34.26	11.17	46.52	200	275	Average
5320	101.90	102.78	/	/	34.33	11.36	46.57	200	275	Peak
5320	96.21	97.09	/	/	34.33	11.36	46.57	200	275	Average
5350	54.48	55.33	74.00	-19.52	34.34	11.39	46.58	200	275	Peak
5350	47.63	48.48	54.00	-6.37	34.34	11.39	46.58	200	275	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	53.35	54.28	74.00	-20.65	34.42	11.17	46.52	100	283	Peak
5150	47.48	48.41	54.00	-6.52	34.42	11.17	46.52	100	283	Average
5320	107.62	108.27	/	/	34.56	11.36	46.57	100	283	Peak
5320	102.13	102.78	/	/	34.56	11.36	46.57	100	283	Average
5350	53.94	54.55	74.00	-20.06	34.58	11.39	46.58	100	283	Peak
5350	48.53	49.14	54.00	-5.47	34.58	11.39	46.58	100	283	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	200	275	Peak
5150	46.98	48.07	54.00	-7.02	34.26	11.17	46.52	200	275	Average
5260	99.92	100.88	/	/	34.30	11.29	46.55	200	275	Peak
5260	96.03	96.99	/	/	34.30	11.29	46.55	200	275	Average
5350	53.17	54.02	74.00	-20.83	34.34	11.39	46.58	200	275	Peak
5350	47.20	48.05	54.00	-6.80	34.34	11.39	46.58	200	275	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	53.66	54.59	74.00	-20.34	34.42	11.17	46.52	100	283	Peak
5150	47.25	48.18	54.00	-6.75	34.42	11.17	46.52	100	283	Average
5260	106.71	107.46	/	/	34.51	11.29	46.55	100	283	Peak
5260	102.54	103.29	/	/	34.51	11.29	46.55	100	283	Average
5350	54.16	54.77	74.00	-19.84	34.58	11.39	46.58	100	283	Peak
5350	47.55	48.16	54.00	-6.45	34.58	11.39	46.58	100	283	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	52.39	53.48	74.00	-21.61	34.26	11.17	46.52	200	275	Peak
5150	47.41	48.50	54.00	-6.59	34.26	11.17	46.52	200	275	Average
5300	99.45	100.35	/	/	34.32	11.34	46.56	200	275	Peak
5300	95.58	96.48	/	/	34.32	11.34	46.56	200	275	Average
5350	53.97	54.82	74.00	-20.03	34.34	11.39	46.58	200	275	Peak
5350	47.90	48.75	54.00	-6.10	34.34	11.39	46.58	200	275	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	53.41	54.34	74.00	-20.59	34.42	11.17	46.52	100	283	Peak
5150	47.42	48.35	54.00	-6.58	34.42	11.17	46.52	100	283	Average
5300	105.83	106.51	/	/	34.54	11.34	46.56	100	283	Peak
5300	101.79	102.47	/	/	34.54	11.34	46.56	100	283	Average
5350	53.46	54.07	74.00	-20.54	34.58	11.39	46.58	100	283	Peak
5350	48.28	48.89	54.00	-5.72	34.58	11.39	46.58	100	283	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	54.38	55.47	74.00	-19.62	34.26	11.17	46.52	200	275	Peak
5150	47.51	48.60	54.00	-6.49	34.26	11.17	46.52	200	275	Average
5320	98.97	99.85	/	/	34.33	11.36	46.57	200	275	Peak
5320	95.43	96.31	/	/	34.33	11.36	46.57	200	275	Average
5350	53.65	54.50	74.00	-20.35	34.34	11.39	46.58	200	275	Peak
5350	47.24	48.09	54.00	-6.76	34.34	11.39	46.58	200	275	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	100	283	Peak
5150	47.50	48.43	54.00	-6.50	34.42	11.17	46.52	100	283	Average
5320	105.17	105.82	/	/	34.56	11.36	46.57	100	283	Peak
5320	101.49	102.14	/	/	34.56	11.36	46.57	100	283	Average
5350	54.00	54.61	74.00	-20.00	34.58	11.39	46.58	100	283	Peak
5350	47.90	48.51	54.00	-6.10	34.58	11.39	46.58	100	283	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	53.50	54.59	74.00	-20.50	34.26	11.17	46.52	200	275	Peak
5150	47.40	48.49	54.00	-6.60	34.26	11.17	46.52	200	275	Average
5270	97.29	98.24	/	/	34.31	11.30	46.56	200	275	Peak
5270	92.70	93.65	/	/	34.31	11.30	46.56	200	275	Average
5350	52.32	53.17	74.00	-21.68	34.34	11.39	46.58	200	275	Peak
5350	47.41	48.26	54.00	-6.59	34.34	11.39	46.58	200	275	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	52.88	53.81	74.00	-21.12	34.42	11.17	46.52	100	283	Peak
5150	47.69	48.62	54.00	-6.31	34.42	11.17	46.52	100	283	Average
5270	104.11	104.85	/	/	34.52	11.30	46.56	100	283	Peak
5270	99.50	100.24	/	/	34.52	11.30	46.56	100	283	Average
5350	53.38	53.99	74.00	-20.62	34.58	11.39	46.58	100	283	Peak
5350	47.69	48.30	54.00	-6.31	34.58	11.39	46.58	100	283	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	52.00	53.09	74.00	-22.00	34.26	11.17	46.52	200	275	Peak
5150	47.86	48.95	54.00	-6.14	34.26	11.17	46.52	200	275	Average
5310	97.28	98.18	/	/	34.32	11.35	46.57	200	275	Peak
5310	92.80	93.70	/	/	34.32	11.35	46.57	200	275	Average
5350	52.31	53.16	74.00	-21.69	34.34	11.39	46.58	200	275	Peak
5350	47.89	48.74	54.00	-6.11	34.34	11.39	46.58	200	275	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	52.89	53.82	74.00	-21.11	34.42	11.17	46.52	100	283	Peak
5150	47.17	48.10	54.00	-6.83	34.42	11.17	46.52	100	283	Average
5310	103.75	104.42	/	/	34.55	11.35	46.57	100	283	Peak
5310	98.95	99.62	/	/	34.55	11.35	46.57	100	283	Average
5350	52.62	53.23	74.00	-21.38	34.58	11.39	46.58	100	283	Peak
5350	48.25	48.86	54.00	-5.75	34.58	11.39	46.58	100	283	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	52.94	54.03	74.00	-21.06	34.26	11.17	46.52	200	275	Peak
5150	47.31	48.40	54.00	-6.69	34.26	11.17	46.52	200	275	Average
5260	104.58	105.54	/	/	34.30	11.29	46.55	200	275	Peak
5260	96.22	97.18	/	/	34.30	11.29	46.55	200	275	Average
5350	52.88	53.73	74.00	-21.12	34.34	11.39	46.58	200	275	Peak
5350	47.19	48.04	54.00	-6.81	34.34	11.39	46.58	200	275	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	55.47	74.00	-19.46	34.42	11.17	46.52	100	283	Peak
5150	47.43	48.36	54.00	-6.57	34.42	11.17	46.52	100	283	Average
5260	111.07	111.82	/	/	34.51	11.29	46.55	100	283	Peak
5260	102.86	103.61	/	/	34.51	11.29	46.55	100	283	Average
5350	55.07	55.68	74.00	-18.93	34.58	11.39	46.58	100	283	Peak
5350	47.85	48.46	54.00	-6.15	34.58	11.39	46.58	100	283	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	54.41	55.50	74.00	-19.59	34.26	11.17	46.52	200	275	Peak
5150	47.62	48.71	54.00	-6.38	34.26	11.17	46.52	200	275	Average
5300	104.56	105.46	/	/	34.32	11.34	46.56	200	275	Peak
5300	96.20	97.10	/	/	34.32	11.34	46.56	200	275	Average
5350	53.82	54.67	74.00	-20.18	34.34	11.39	46.58	200	275	Peak
5350	47.53	48.38	54.00	-6.47	34.34	11.39	46.58	200	275	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	283	Peak
5150	48.03	48.96	54.00	-5.97	34.42	11.17	46.52	100	283	Average
5300	110.76	111.44	/	/	34.54	11.34	46.56	100	283	Peak
5300	102.59	103.27	/	/	34.54	11.34	46.56	100	283	Average
5350	52.68	53.29	74.00	-21.32	34.58	11.39	46.58	100	283	Peak
5350	47.86	48.47	54.00	-6.14	34.58	11.39	46.58	100	283	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5300MHz: Fundamental frequency.



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Test Report No.: W7L-231127W001RF03

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	53.57	54.66	74.00	-20.43	34.26	11.17	46.52	200	275	Peak
5150	46.91	48.00	54.00	-7.09	34.26	11.17	46.52	200	275	Average
5320	104.77	105.65	/	/	34.33	11.36	46.57	200	275	Peak
5320	96.08	96.96	/	/	34.33	11.36	46.57	200	275	Average
5350	52.77	53.62	74.00	-21.23	34.34	11.39	46.58	200	275	Peak
5350	47.58	48.43	54.00	-6.42	34.34	11.39	46.58	200	275	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	53.68	54.61	74.00	-20.32	34.42	11.17	46.52	100	283	Peak
5150	47.70	48.63	54.00	-6.30	34.42	11.17	46.52	100	283	Average
5320	110.49	111.14	/	/	34.56	11.36	46.57	100	283	Peak
5320	102.21	102.86	/	/	34.56	11.36	46.57	100	283	Average
5350	54.04	54.65	74.00	-19.96	34.58	11.39	46.58	100	283	Peak
5350	47.98	48.59	54.00	-6.02	34.58	11.39	46.58	100	283	Average

REMARKS:

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



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	53.18	54.27	74.00	-20.82	34.26	11.17	46.52	200	275	Peak
5150	47.26	48.35	54.00	-6.74	34.26	11.17	46.52	200	275	Average
5270	99.61	100.56	/	/	34.31	11.30	46.56	200	275	Peak
5270	92.96	93.91	/	/	34.31	11.30	46.56	200	275	Average
5350	52.99	53.84	74.00	-21.01	34.34	11.39	46.58	200	275	Peak
5350	47.68	48.53	54.00	-6.32	34.34	11.39	46.58	200	275	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	52.97	53.90	74.00	-21.03	34.42	11.17	46.52	100	283	Peak
5150	47.64	48.57	54.00	-6.36	34.42	11.17	46.52	100	283	Average
5270	106.48	107.22	/	/	34.52	11.30	46.56	100	283	Peak
5270	99.67	100.41	/	/	34.52	11.30	46.56	100	283	Average
5350	53.43	54.04	74.00	-20.57	34.58	11.39	46.58	100	283	Peak
5350	48.19	48.80	54.00	-5.81	34.58	11.39	46.58	100	283	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	53.31	54.40	74.00	-20.69	34.26	11.17	46.52	200	275	Peak
5150	47.87	48.96	54.00	-6.13	34.26	11.17	46.52	200	275	Average
5310	100.30	101.20	/	/	34.32	11.35	46.57	200	275	Peak
5310	93.72	94.62	/	/	34.32	11.35	46.57	200	275	Average
5350	52.98	53.83	74.00	-21.02	34.34	11.39	46.58	200	275	Peak
5350	47.18	48.03	54.00	-6.82	34.34	11.39	46.58	200	275	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	52.78	53.71	74.00	-21.22	34.42	11.17	46.52	100	283	Peak
5150	47.32	48.25	54.00	-6.68	34.42	11.17	46.52	100	283	Average
5310	106.34	107.01	/	/	34.55	11.35	46.57	100	283	Peak
5310	99.53	100.20	/	/	34.55	11.35	46.57	100	283	Average
5350	54.31	54.92	74.00	-19.69	34.58	11.39	46.58	100	283	Peak
5350	50.38	50.99	54.00	-3.62	34.58	11.39	46.58	100	283	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 (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	52.79	53.88	74.00	-21.21	34.26	11.17	46.52	200	275	Peak
5150	47.42	48.51	54.00	-6.58	34.26	11.17	46.52	200	275	Average
5290	95.19	96.11	/	/	34.32	11.32	46.56	200	275	Peak
5290	88.96	89.88	/	/	34.32	11.32	46.56	200	275	Average
5350	53.27	54.12	74.00	-20.73	34.34	11.39	46.58	200	275	Peak
5350	48.74	49.59	54.00	-5.26	34.34	11.39	46.58	200	275	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	52.30	53.23	74.00	-21.70	34.42	11.17	46.52	100	283	Peak
5150	47.32	48.25	54.00	-6.68	34.42	11.17	46.52	100	283	Average
5290	101.34	102.05	/	/	34.53	11.32	46.56	100	283	Peak
5290	95.59	96.30	/	/	34.53	11.32	46.56	100	283	Average
5350	56.58	57.19	74.00	-17.42	34.58	11.39	46.58	100	283	Peak
5350	53.13	53.74	54.00	-0.87	34.58	11.39	46.58	100	283	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5290MHz: Fundamental frequency.



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Test Report No.: W7L-231127W001RF03

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	52.94	54.03	74	-21.06	34.26	11.17	46.52	200	275	Peak
5150	47.19	48.28	54	-6.81	34.26	11.17	46.52	200	275	Average
5290	93.79	94.71	/	/	34.32	11.32	46.56	200	275	Peak
5290	90.29	91.21	/	/	34.32	11.32	46.56	200	275	Average
5350	53.98	54.83	74	-20.02	34.34	11.39	46.58	200	275	Peak
5350	48.9	49.75	54	-5.1	34.34	11.39	46.58	200	275	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	53.73	54.66	74	-20.27	34.42	11.17	46.52	100	283	Peak
5150	47.66	48.59	54	-6.34	34.42	11.17	46.52	100	283	Average
5290	100.63	101.34	/	/	34.53	11.32	46.56	100	283	Peak
5290	96.76	97.47	/	/	34.53	11.32	46.56	100	283	Average
5350	57.91	58.52	74	-16.09	34.58	11.39	46.58	100	283	Peak
5350	52.81	53.42	54	-1.19	34.58	11.39	46.58	100	283	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5290MHz: Fundamental frequency.



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Test Report No.: W7L-231127W001RF03

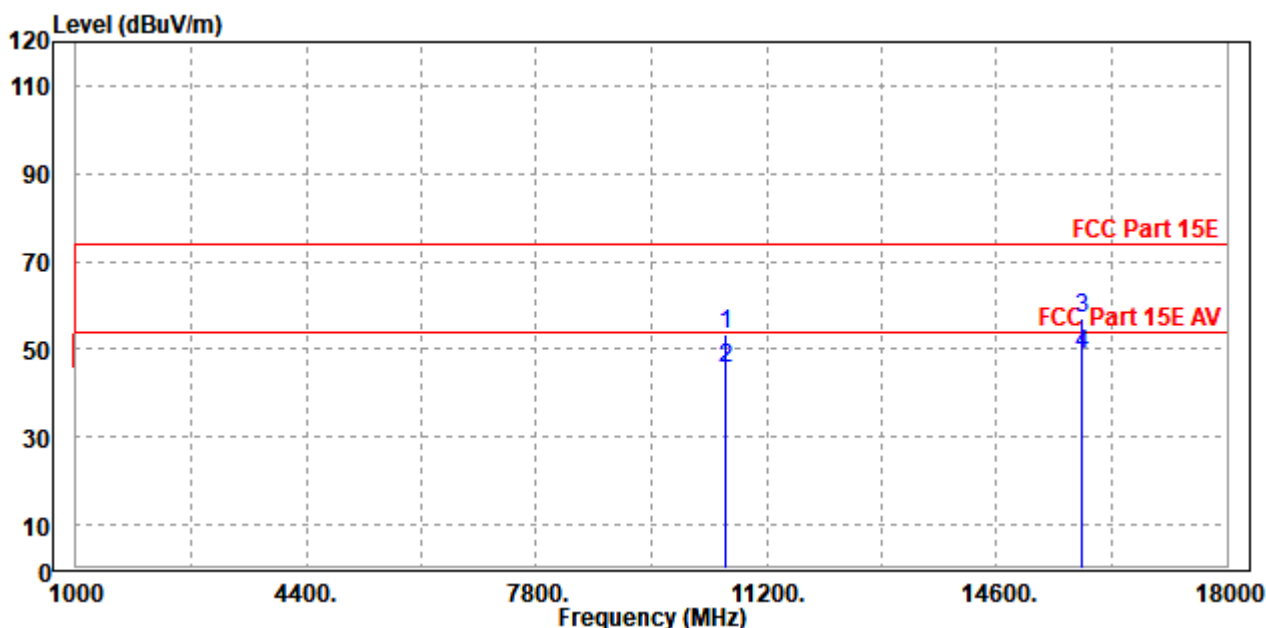
802.11ax (80MHz)

Worst case harmonic:

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

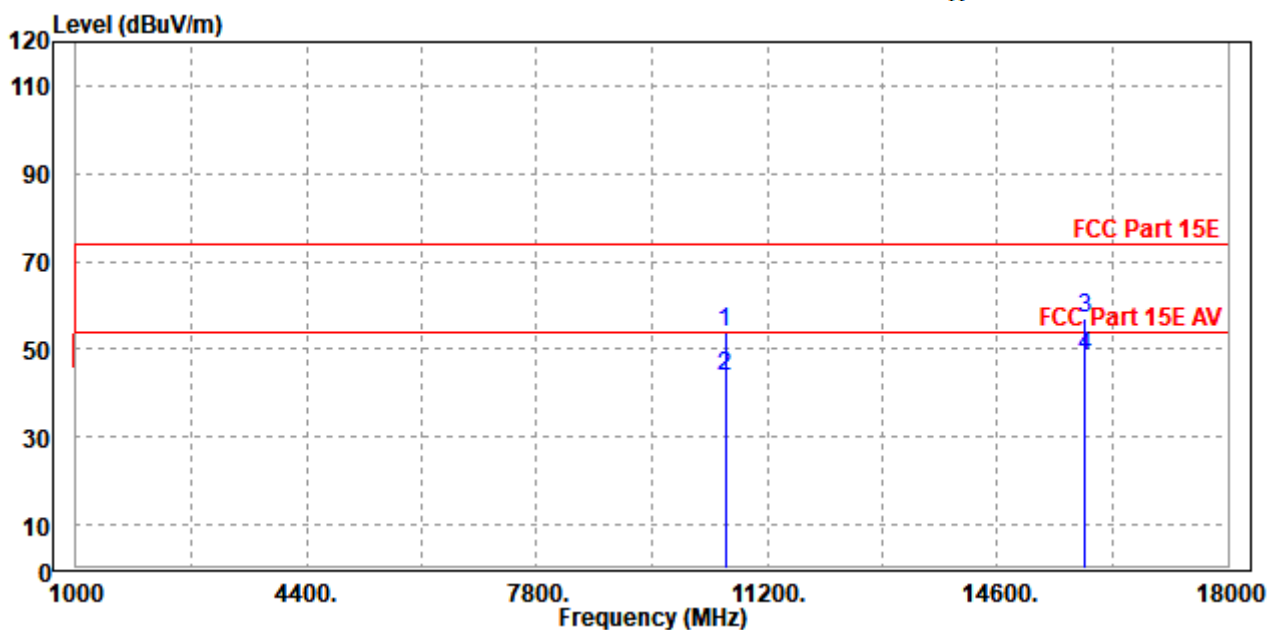
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10588.000	53.45	45.25	74.00	-20.55	8.20	Peak	Horizontal
2	10588.000	45.44	37.24	54.00	-8.56	8.20	Average	Horizontal
3	PK15870.000	57.10	40.83	74.00	-16.90	16.27	Peak	Horizontal
4	PP15870.000	48.91	32.64	54.00	-5.09	16.27	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	10580.000	53.64	45.24	74.00	-20.36	8.40	Peak	Vertical
2	10580.000	43.86	35.46	54.00	-10.14	8.40	Average	Vertical
3	PK15875.000	57.09	40.35	74.00	-16.91	16.74	Peak	Vertical
4	PP15875.000	48.53	31.79	54.00	-5.47	16.74	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.



Test Report No.: W7L-231127W001RF03

5G WIFI-RU

802.11ax (20MHz) (RU26):

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	53.17	54.26	74.00	-20.83	34.26	11.17	46.52	130	25	Peak
5150	47.72	48.81	54.00	-6.28	34.26	11.17	46.52	130	25	Average
5180	101.06	102.02	/	/	34.30	11.29	46.55	130	25	Peak
5180	95.16	96.12	/	/	34.30	11.29	46.55	130	25	Average
5350	52.41	53.26	74.00	-21.59	34.34	11.39	46.58	130	25	Peak
5350	46.64	47.49	54.00	-7.36	34.34	11.39	46.58	130	25	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	54.01	54.94	74.00	-19.99	34.42	11.17	46.52	140	280	Peak
5150	47.02	47.95	54.00	-6.98	34.42	11.17	46.52	140	280	Average
5260	109.07	109.82	/	/	34.51	11.29	46.55	140	280	Peak
5260	103.83	104.58	/	/	34.51	11.29	46.55	140	280	Average
5350	52.91	53.52	74.00	-21.09	34.58	11.39	46.58	140	280	Peak
5350	47.06	47.67	54.00	-6.94	34.58	11.39	46.58	140	280	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	52.94	54.03	74.00	-21.06	34.26	11.17	46.52	130	25	Peak
5150	46.58	47.67	54.00	-7.42	34.26	11.17	46.52	130	25	Average
5300	99.43	100.33	/	/	34.32	11.34	46.56	130	25	Peak
5300	95.51	96.41	/	/	34.32	11.34	46.56	130	25	Average
5350	52.77	53.62	74.00	-21.23	34.34	11.39	46.58	130	25	Peak
5350	46.91	47.76	54.00	-7.09	34.34	11.39	46.58	130	25	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	53.70	54.63	74.00	-20.30	34.42	11.17	46.52	140	280	Peak
5150	47.29	48.22	54.00	-6.71	34.42	11.17	46.52	140	280	Average
5300	106.75	107.43	/	/	34.54	11.34	46.56	140	280	Peak
5300	102.28	102.96	/	/	34.54	11.34	46.56	140	280	Average
5350	53.50	54.11	74.00	-20.50	34.58	11.39	46.58	140	280	Peak
5350	47.75	48.36	54.00	-6.25	34.58	11.39	46.58	140	280	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	52.52	53.61	74.00	-21.48	34.26	11.17	46.52	130	25	Peak
5150	47.28	48.37	54.00	-6.72	34.26	11.17	46.52	130	25	Average
5320	106.20	107.08	/	/	34.33	11.36	46.57	130	25	Peak
5320	100.75	101.63	/	/	34.33	11.36	46.57	130	25	Average
5350	54.00	54.85	74.00	-20.00	34.34	11.39	46.58	130	25	Peak
5350	47.00	47.85	54.00	-7.00	34.34	11.39	46.58	130	25	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	53.01	53.94	74.00	-20.99	34.42	11.17	46.52	140	280	Peak
5150	47.59	48.52	54.00	-6.41	34.42	11.17	46.52	140	280	Average
5320	112.93	113.58	/	/	34.56	11.36	46.57	140	280	Peak
5320	107.88	108.53	/	/	34.56	11.36	46.57	140	280	Average
5350	53.57	54.18	74.00	-20.43	34.58	11.39	46.58	140	280	Peak
5350	48.68	49.29	54.00	-5.32	34.58	11.39	46.58	140	280	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 (20MHz) (RU52):

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	52.97	54.06	74.00	-21.03	34.26	11.17	46.52	130	25	Peak
5150	48.56	49.65	54.00	-5.44	34.26	11.17	46.52	130	25	Average
5260	99.81	100.77	/	/	34.30	11.29	46.55	130	25	Peak
5260	94.67	95.63	/	/	34.30	11.29	46.55	130	25	Average
5350	52.41	53.26	74.00	-21.59	34.34	11.39	46.58	130	25	Peak
5350	48.43	49.28	54.00	-5.57	34.34	11.39	46.58	130	25	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	52.28	53.21	74.00	-21.72	34.42	11.17	46.52	140	280	Peak
5150	48.43	49.36	54.00	-5.57	34.42	11.17	46.52	140	280	Average
5260	108.59	109.34	/	/	34.51	11.29	46.55	140	280	Peak
5260	102.90	103.65	/	/	34.51	11.29	46.55	140	280	Average
5350	52.07	52.68	74.00	-21.93	34.58	11.39	46.58	140	280	Peak
5350	47.04	47.65	54.00	-6.96	34.58	11.39	46.58	140	280	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5260MHz: Fundamental frequency.



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Test Report No.: W7L-231127W001RF03

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	54.85	55.94	74.00	-19.15	34.26	11.17	46.52	130	25	Peak
5150	47.08	48.17	54.00	-6.92	34.26	11.17	46.52	130	25	Average
5300	97.52	98.42	/	/	34.32	11.34	46.56	130	25	Peak
5300	92.55	93.45	/	/	34.32	11.34	46.56	130	25	Average
5350	52.57	53.42	74.00	-21.43	34.34	11.39	46.58	130	25	Peak
5350	46.60	47.45	54.00	-7.40	34.34	11.39	46.58	130	25	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	52.76	53.69	74.00	-21.24	34.42	11.17	46.52	140	280	Peak
5150	47.37	48.30	54.00	-6.63	34.42	11.17	46.52	140	280	Average
5300	105.32	106.00	/	/	34.54	11.34	46.56	140	280	Peak
5300	99.98	100.66	/	/	34.54	11.34	46.56	140	280	Average
5350	53.57	54.18	74.00	-20.43	34.58	11.39	46.58	140	280	Peak
5350	47.61	48.22	54.00	-6.39	34.58	11.39	46.58	140	280	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	52.29	53.38	74.00	-21.71	34.26	11.17	46.52	130	25	Peak
5150	46.86	47.95	54.00	-7.14	34.26	11.17	46.52	130	25	Average
5320	98.88	99.76	/	/	34.33	11.36	46.57	130	25	Peak
5320	92.77	93.65	/	/	34.33	11.36	46.57	130	25	Average
5350	53.41	54.26	74.00	-20.59	34.34	11.39	46.58	130	25	Peak
5350	47.30	48.15	54.00	-6.70	34.34	11.39	46.58	130	25	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	52.88	53.81	74.00	-21.12	34.42	11.17	46.52	140	280	Peak
5150	47.58	48.51	54.00	-6.42	34.42	11.17	46.52	140	280	Average
5320	106.04	106.69	/	/	34.56	11.36	46.57	140	280	Peak
5320	99.82	100.47	/	/	34.56	11.36	46.57	140	280	Average
5350	54.38	54.99	74.00	-19.62	34.58	11.39	46.58	140	280	Peak
5350	48.04	48.65	54.00	-5.96	34.58	11.39	46.58	140	280	Average

REMARKS:

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



Test Report No.: W7L-231127W001RF03

802.11ax (20MHz) (RU106):

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	53.93	55.02	74.00	-20.07	34.26	11.17	46.52	132	25	Peak
5150	46.94	48.03	54.00	-7.06	34.26	11.17	46.52	132	25	Average
5260	97.57	98.53	/	/	34.30	11.29	46.55	132	25	Peak
5260	93.35	94.31	/	/	34.30	11.29	46.55	132	25	Average
5350	53.07	53.92	74.00	-20.93	34.34	11.39	46.58	132	25	Peak
5350	47.32	48.17	54.00	-6.68	34.34	11.39	46.58	132	25	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	54.96	55.89	74.00	-19.04	34.42	11.17	46.52	110	281	Peak
5150	48.49	49.42	54.00	-5.51	34.42	11.17	46.52	110	281	Average
5260	105.65	106.40	/	/	34.51	11.29	46.55	110	281	Peak
5260	101.25	102.00	/	/	34.51	11.29	46.55	110	281	Average
5350	54.20	54.81	74.00	-19.80	34.58	11.39	46.58	110	281	Peak
5350	47.67	48.28	54.00	-6.33	34.58	11.39	46.58	110	281	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	54.67	55.76	74.00	-19.33	34.26	11.17	46.52	118	25	Peak
5150	47.11	48.20	54.00	-6.89	34.26	11.17	46.52	118	25	Average
5300	97.13	98.03	/	/	34.32	11.34	46.56	118	25	Peak
5300	92.87	93.77	/	/	34.32	11.34	46.56	118	25	Average
5350	54.10	54.95	74.00	-19.90	34.34	11.39	46.58	118	25	Peak
5350	47.22	48.07	54.00	-6.78	34.34	11.39	46.58	118	25	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	53.14	54.07	74.00	-20.86	34.42	11.17	46.52	110	283	Peak
5150	47.51	48.44	54.00	-6.49	34.42	11.17	46.52	110	283	Average
5300	105.57	106.25	/	/	34.54	11.34	46.56	110	283	Peak
5300	101.06	101.74	/	/	34.54	11.34	46.56	110	283	Average
5350	54.19	54.80	74.00	-19.81	34.58	11.39	46.58	110	283	Peak
5350	47.62	48.23	54.00	-6.38	34.58	11.39	46.58	110	283	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	54.33	55.42	74.00	-19.67	34.26	11.17	46.52	136	25	Peak
5150	47.33	48.42	54.00	-6.67	34.26	11.17	46.52	136	25	Average
5320	98.42	99.30	/	/	34.33	11.36	46.57	136	25	Peak
5320	93.25	94.13	/	/	34.33	11.36	46.57	136	25	Average
5350	53.45	54.30	74.00	-20.55	34.34	11.39	46.58	136	25	Peak
5350	47.67	48.52	54.00	-6.33	34.34	11.39	46.58	136	25	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	55.52	74.00	-19.41	34.42	11.17	46.52	110	283	Peak
5150	47.63	48.56	54.00	-6.37	34.42	11.17	46.52	110	283	Average
5320	106.23	106.88	/	/	34.56	11.36	46.57	110	283	Peak
5320	100.97	101.62	/	/	34.56	11.36	46.57	110	283	Average
5350	53.47	54.08	74.00	-20.53	34.58	11.39	46.58	110	283	Peak
5350	47.48	48.09	54.00	-6.52	34.58	11.39	46.58	110	283	Average

REMARKS:

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



Test Report No.: W7L-231127W001RF03

802.11ax (20MHz) (RU242):

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	53.25	54.34	74.00	-20.75	34.26	11.17	46.52	132	25	Peak
5150	47.24	48.33	54.00	-6.76	34.26	11.17	46.52	132	25	Average
5260	96.31	97.27	/	/	34.30	11.29	46.55	132	25	Peak
5260	90.29	91.25	/	/	34.30	11.29	46.55	132	25	Average
5350	53.40	54.25	74.00	-20.60	34.34	11.39	46.58	132	25	Peak
5350	47.76	48.61	54.00	-6.24	34.34	11.39	46.58	132	25	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	53.52	54.45	74.00	-20.48	34.42	11.17	46.52	120	283	Peak
5150	47.87	48.80	54.00	-6.13	34.42	11.17	46.52	120	283	Average
5260	104.63	105.38	/	/	34.51	11.29	46.55	120	283	Peak
5260	98.72	99.47	/	/	34.51	11.29	46.55	120	283	Average
5350	53.56	54.17	74.00	-20.44	34.58	11.39	46.58	120	283	Peak
5350	48.30	48.91	54.00	-5.70	34.58	11.39	46.58	120	283	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	54.24	55.33	74.00	-19.76	34.26	11.17	46.52	110	25	Peak
5150	47.23	48.32	54.00	-6.77	34.26	11.17	46.52	110	25	Average
5300	95.40	96.30	/	/	34.32	11.34	46.56	110	25	Peak
5300	89.44	90.34	/	/	34.32	11.34	46.56	110	25	Average
5350	53.68	54.53	74.00	-20.32	34.34	11.39	46.58	110	25	Peak
5350	47.52	48.37	54.00	-6.48	34.34	11.39	46.58	110	25	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	53.91	54.84	74.00	-20.09	34.42	11.17	46.52	110	283	Peak
5150	47.15	48.08	54.00	-6.85	34.42	11.17	46.52	110	283	Average
5300	103.80	104.48	/	/	34.54	11.34	46.56	110	283	Peak
5300	97.91	98.59	/	/	34.54	11.34	46.56	110	283	Average
5350	53.60	54.21	74.00	-20.40	34.58	11.39	46.58	110	283	Peak
5350	48.28	48.89	54.00	-5.72	34.58	11.39	46.58	110	283	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	52.34	53.43	74.00	-21.66	34.26	11.17	46.52	110	25	Peak
5150	47.91	49.00	54.00	-6.09	34.26	11.17	46.52	110	25	Average
5320	96.05	96.93	/	/	34.33	11.36	46.57	110	25	Peak
5320	89.56	90.44	/	/	34.33	11.36	46.57	110	25	Average
5350	55.17	56.02	74.00	-18.83	34.34	11.39	46.58	110	25	Peak
5350	47.31	48.16	54.00	-6.69	34.34	11.39	46.58	110	25	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	53.81	54.74	74.00	-20.19	34.42	11.17	46.52	100	283	Peak
5150	47.85	48.78	54.00	-6.15	34.42	11.17	46.52	100	283	Average
5320	103.76	104.41	/	/	34.56	11.36	46.57	100	283	Peak
5320	97.86	98.51	/	/	34.56	11.36	46.57	100	283	Average
5350	53.62	54.23	74.00	-20.38	34.58	11.39	46.58	100	283	Peak
5350	48.68	49.29	54.00	-5.32	34.58	11.39	46.58	100	283	Average

REMARKS:

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



802.11ax (40MHz) (RU484):

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	51.98	53.07	74.00	-22.02	34.26	11.17	46.52	132	25	Peak
5150	48.30	49.39	54.00	-5.70	34.26	11.17	46.52	132	25	Average
5270	91.25	92.20	/	/	34.31	11.30	46.56	132	25	Peak
5270	86.26	87.21	/	/	34.31	11.30	46.56	132	25	Average
5350	52.40	53.25	74.00	-21.60	34.34	11.39	46.58	132	25	Peak
5350	48.01	48.86	54.00	-5.99	34.34	11.39	46.58	132	25	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	52.90	53.83	74.00	-21.10	34.42	11.17	46.52	120	283	Peak
5150	47.84	48.77	54.00	-6.16	34.42	11.17	46.52	120	283	Average
5270	99.64	100.38	/	/	34.52	11.30	46.56	120	283	Peak
5270	95.01	95.75	/	/	34.52	11.30	46.56	120	283	Average
5350	52.81	53.42	74.00	-21.19	34.58	11.39	46.58	120	283	Peak
5350	48.11	48.72	54.00	-5.89	34.58	11.39	46.58	120	283	Average

REMARKS:

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



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Test Report No.: W7L-231127W001RF03

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	52.23	53.32	74.00	-21.77	34.26	11.17	46.52	140	25	Peak
5150	47.91	49.00	54.00	-6.09	34.26	11.17	46.52	140	25	Average
5310	91.10	92.00	/	/	34.32	11.35	46.57	140	25	Peak
5310	86.35	87.25	/	/	34.32	11.35	46.57	140	25	Average
5350	52.27	53.12	74.00	-21.73	34.34	11.39	46.58	140	25	Peak
5350	47.99	48.84	54.00	-6.01	34.34	11.39	46.58	140	25	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	52.96	53.89	74.00	-21.04	34.42	11.17	46.52	100	283	Peak
5150	47.92	48.85	54.00	-6.08	34.42	11.17	46.52	100	283	Average
5310	99.09	99.76	/	/	34.55	11.35	46.57	100	283	Peak
5310	94.18	94.85	/	/	34.55	11.35	46.57	100	283	Average
5350	53.26	53.87	74.00	-20.74	34.58	11.39	46.58	100	283	Peak
5350	47.69	48.30	54.00	-6.31	34.58	11.39	46.58	100	283	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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VERITAS**

Test Report No.: W7L-231127W001RF03

802.11ax (80MHz) (RU996):

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	52.66	53.75	74.00	-21.34	34.26	11.17	46.52	135	25	Peak
5150	47.88	48.97	54.00	-6.12	34.26	11.17	46.52	135	25	Average
5290	89.20	90.12	/	/	34.32	11.32	46.56	135	25	Peak
5290	82.78	83.70	/	/	34.32	11.32	46.56	135	25	Average
5350	52.24	53.09	74.00	-21.76	34.34	11.39	46.58	135	25	Peak
5350	47.90	48.75	54.00	-6.10	34.34	11.39	46.58	135	25	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	52.97	53.90	74.00	-21.03	34.42	11.17	46.52	100	283	Peak
5150	48.18	49.11	54.00	-5.82	34.42	11.17	46.52	100	283	Average
5290	97.63	98.34	/	/	34.53	11.32	46.56	100	283	Peak
5290	91.93	92.64	/	/	34.53	11.32	46.56	100	283	Average
5350	54.82	55.43	74.00	-19.18	34.58	11.39	46.58	100	283	Peak
5350	50.01	50.62	54.00	-3.99	34.58	11.39	46.58	100	283	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5290MHz: Fundamental frequency.



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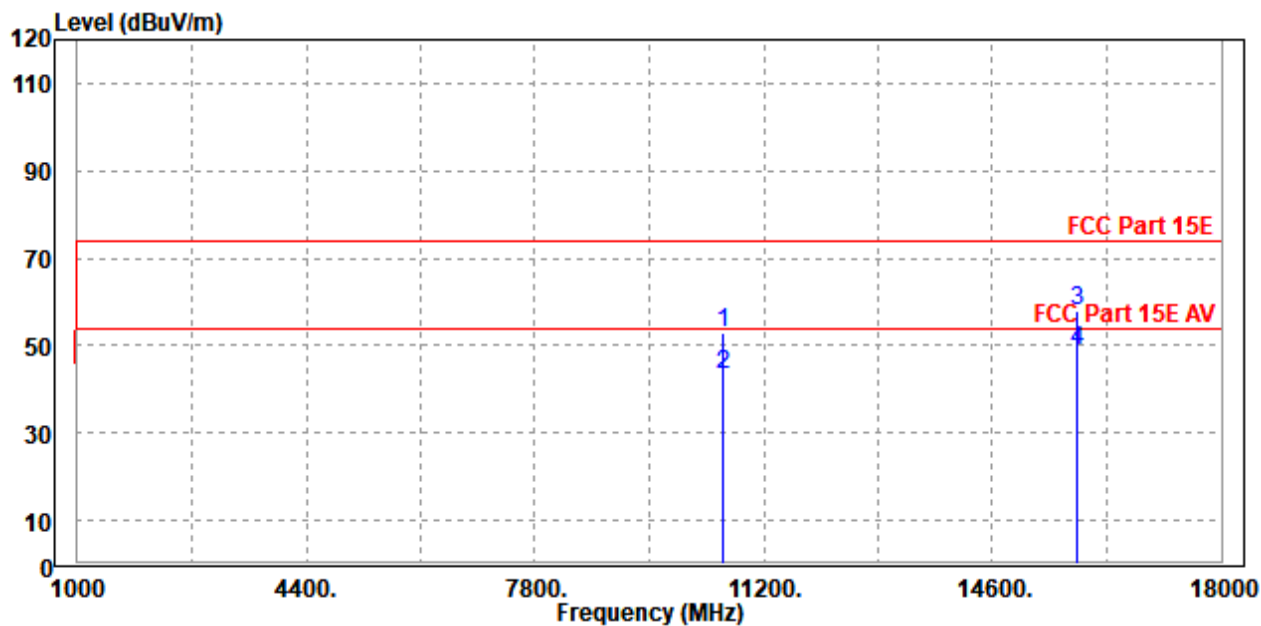
802.11ax (80MHz) (RU484):

Worst case harmonic:

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

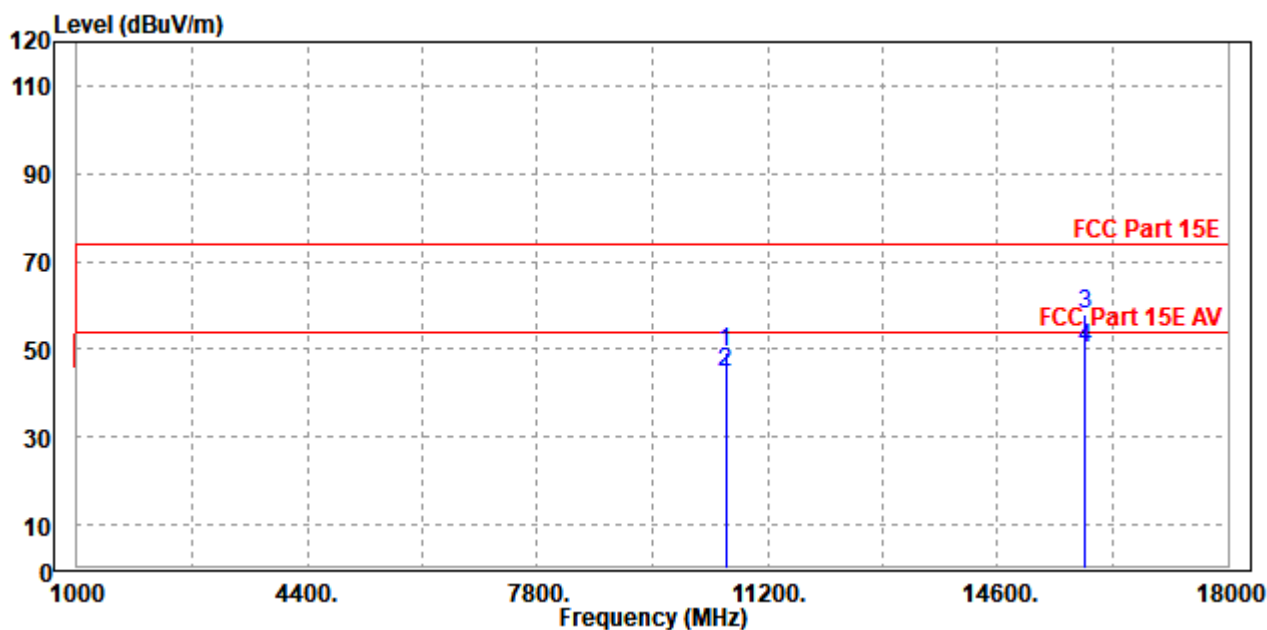
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10588.000	52.79	44.59	74.00	-21.21	8.20	Peak	Horizontal
2	10588.000	43.49	35.29	54.00	-10.51	8.20	Average	Horizontal
3	PK15870.000	58.10	41.83	74.00	-15.90	16.27	Peak	Horizontal
4	PP15870.000	48.95	32.68	54.00	-5.05	16.27	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	10580.000	49.25	40.85	74.00	-24.75	8.40	Peak	Vertical
2	10580.000	44.57	36.17	54.00	-9.43	8.40	Average	Vertical
3	PK15875.000	58.07	41.33	74.00	-15.93	16.74	Peak	Vertical
4	PP15875.000	49.97	33.23	54.00	-4.03	16.74	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.



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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	53.06	53.77	74	-20.94	34.38	11.52	46.61	100	30	Peak
5460	46.64	47.35	54	-7.36	34.38	11.52	46.61	100	30	Average
5470	53.29	53.98	68.2	-14.91	34.39	11.53	46.61	100	30	Peak
5500	99.11	99.77	/	/	34.4	11.56	46.62	100	30	Peak
5500	93.15	93.81	/	/	34.4	11.56	46.62	100	30	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	54.42	74	-20	34.67	11.52	46.61	100	295	Peak
5460	48.16	48.58	54	-5.84	34.67	11.52	46.61	100	295	Average
5470	52.73	53.13	68.2	-15.47	34.68	11.53	46.61	100	295	Peak
5500	107.68	108.04	/	/	34.7	11.56	46.62	100	295	Peak
5500	101.56	101.92	/	/	34.7	11.56	46.62	100	295	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

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	52.86	53.57	74	-21.14	34.38	11.52	46.61	100	35	Peak
5460	47.35	48.06	54	-6.65	34.38	11.52	46.61	100	35	Average
5470	53.96	54.65	68.2	-14.24	34.39	11.53	46.61	100	35	Peak
5580	101.47	101.98	/	/	34.54	11.59	46.64	100	35	Peak
5580	95.04	95.55	/	/	34.54	11.59	46.64	100	35	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	52.8	53.22	74	-21.2	34.67	11.52	46.61	100	295	Peak
5460	47.07	47.49	54	-6.93	34.67	11.52	46.61	100	295	Average
5470	52.8	53.2	68.2	-15.4	34.68	11.53	46.61	100	295	Peak
5580	110.4	110.62	/	/	34.83	11.59	46.64	100	295	Peak
5580	104.79	105.01	/	/	34.83	11.59	46.64	100	295	Average

REMARKS:

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



**BUREAU
VERITAS**

Test Report No.: W7L-231127W001RF03

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	100.59	100.87	/	/	34.76	11.64	46.68	100	35	Peak
5700	93.97	94.25	/	/	34.76	11.64	46.68	100	35	Average
5725	54.68	54.9	68.2	-13.52	34.81	11.65	46.68	100	35	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	107.97	107.99	/	/	35.02	11.64	46.68	100	295	Peak
5700	102.82	102.84	/	/	35.02	11.64	46.68	100	295	Average
5725	55.67	55.64	68.2	-12.53	35.06	11.65	46.68	100	295	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5700MHz: Fundamental frequency.
3. #: Out of restricted band.



**BUREAU
VERITAS**

Test Report No.: W7L-231127W001RF03

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	52.33	53.02	68.2	-15.87	34.39	11.53	46.61	100	35	Peak
5720	99.7	99.94	/	/	34.8	11.64	46.68	100	35	Peak
5720	94.18	94.42	/	/	34.8	11.64	46.68	100	35	Average
5850	54.56	54.56	68.2	-13.64	35.03	11.69	46.72	100	35	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	54.63	55.03	68.2	-13.57	34.68	11.53	46.61	100	295	Peak
5720	108.21	108.2	/	/	35.05	11.64	46.68	100	295	Peak
5720	102.28	102.27	/	/	35.05	11.64	46.68	100	295	Average
5850	53.85	53.62	68.2	-14.35	35.26	11.69	46.72	100	295	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5720MHz: Fundamental frequency.
3. #: Out of restricted band.



**BUREAU
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Test Report No.: W7L-231127W001RF03

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	52.72	53.43	74	-21.28	34.38	11.52	46.61	100	33	Peak
5460	46.65	47.36	54	-7.35	34.38	11.52	46.61	100	33	Average
5470	55.58	56.27	68.2	-12.62	34.39	11.53	46.61	100	33	Peak
5500	96.58	97.24	/	/	34.4	11.56	46.62	100	33	Peak
5500	92.27	92.93	/	/	34.4	11.56	46.62	100	33	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	55.07	55.49	74	-18.93	34.67	11.52	46.61	100	295	Peak
5460	47.89	48.31	54	-6.11	34.67	11.52	46.61	100	295	Average
5470	53.94	54.34	68.2	-14.26	34.68	11.53	46.61	100	295	Peak
5500	105.23	105.59	/	/	34.7	11.56	46.62	100	295	Peak
5500	100.89	101.25	/	/	34.7	11.56	46.62	100	295	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.



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Test Report No.: W7L-231127W001RF03

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	52.94	53.65	74	-21.06	34.38	11.52	46.61	110	33	Peak
5460	47.94	48.65	54	-6.06	34.38	11.52	46.61	110	33	Average
5470	54.31	55	68.2	-13.89	34.39	11.53	46.61	110	33	Peak
5580	98.92	99.43	/	/	34.54	11.59	46.64	110	33	Peak
5580	94.7	95.21	/	/	34.54	11.59	46.64	110	33	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	53.81	54.23	74	-20.19	34.67	11.52	46.61	100	295	Peak
5460	48.79	49.21	54	-5.21	34.67	11.52	46.61	100	295	Average
5470	56.07	56.47	68.2	-12.13	34.68	11.53	46.61	100	295	Peak
5580	107.67	107.89	/	/	34.83	11.59	46.64	100	295	Peak
5580	103.43	103.65	/	/	34.83	11.59	46.64	100	295	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5580MHz: Fundamental frequency.
3. #: Out of restricted band.



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Test Report No.: W7L-231127W001RF03

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	97.37	97.65	/	/	34.76	11.64	46.68	110	318	Peak
5700	93.23	93.51	/	/	34.76	11.64	46.68	110	318	Average
5725	56.13	56.35	68.2	-12.07	34.81	11.65	46.68	110	318	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	105.86	105.88	/	/	35.02	11.64	46.68	100	297	Peak
5700	102.1	102.12	/	/	35.02	11.64	46.68	100	297	Average
5725	56.68	56.65	68.2	-11.52	35.06	11.65	46.68	100	297	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5700MHz: Fundamental frequency.
3. #: Out of restricted band.