



<b>CHANNEL</b>	TX Channel 64	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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
5150.000	55.39	56.46	74.00	-18.61	34.52	9.92	45.51	100	50	Peak
5150.000	49.30	50.37	54.00	-4.70	34.52	9.92	45.51	100	50	Average
5320.000	96.89	97.88	/	/	34.66	9.86	45.51	100	50	Peak
5320.000	90.67	91.66	/	/	34.66	9.86	45.51	100	50	Average
5350.000	54.01	54.99	74.00	-19.99	34.68	9.85	45.51	100	50	Peak
5350.000	47.46	48.44	54.00	-6.54	34.68	9.85	45.51	100	50	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
5150.000	54.35	55.34	74.00	-19.65	34.60	9.92	45.51	100	90	Peak
5150.000	49.67	50.66	54.00	-4.33	34.60	9.92	45.51	100	90	Average
5320.000	101.91	102.96	/	/	34.60	9.86	45.51	100	90	Peak
5320.000	95.51	96.56	/	/	34.60	9.86	45.51	100	90	Average
5350.000	53.43	54.49	74.00	-20.57	34.60	9.85	45.51	100	90	Peak
5350.000	47.39	48.45	54.00	-6.61	34.60	9.85	45.51	100	90	Average

**REMARKS:**

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



802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150.000	54.25	55.32	74.00	-19.75	34.52	9.92	45.51	100	350	Peak
5150.000	49.50	50.57	54.00	-4.50	34.52	9.92	45.51	100	350	Average
5270.000	93.29	94.30	/	/	34.62	9.88	45.51	100	350	Peak
5270.000	87.70	88.71	/	/	34.62	9.88	45.51	100	350	Average
5350.000	54.34	55.32	74.00	-19.66	34.68	9.85	45.51	100	350	Peak
5350.000	47.76	48.74	54.00	-6.24	34.68	9.85	45.51	100	350	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
5150.000	54.66	55.65	74.00	-19.34	34.60	9.92	45.51	100	90	Peak
5150.000	49.71	50.70	54.00	-4.29	34.60	9.92	45.51	100	90	Average
5270.000	98.08	99.11	/	/	34.60	9.88	45.51	100	90	Peak
5270.000	92.33	93.36	/	/	34.60	9.88	45.51	100	90	Average
5350.000	53.49	54.55	74.00	-20.51	34.60	9.85	45.51	100	90	Peak
5350.000	47.60	48.66	54.00	-6.40	34.60	9.85	45.51	100	90	Average

REMARKS:

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



BUREAU  
VERITAS

Test Report No.: W7L-P23030016RF03

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
5150.000	55.83	56.90	74.00	-18.17	34.52	9.92	45.51	100	350	Peak
5150.000	49.67	50.74	54.00	-4.33	34.52	9.92	45.51	100	350	Average
5310.000	92.65	93.65	/	/	34.65	9.86	45.51	100	350	Peak
5310.000	87.66	88.66	/	/	34.65	9.86	45.51	100	350	Average
5350.000	53.48	54.46	74.00	-20.52	34.68	9.85	45.51	100	350	Peak
5350.000	47.55	48.53	54.00	-6.45	34.68	9.85	45.51	100	350	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
5150.000	54.41	55.40	74.00	-19.59	34.60	9.92	45.51	100	90	Peak
5150.000	49.36	50.35	54.00	-4.64	34.60	9.92	45.51	100	90	Average
5310.000	97.12	98.17	/	/	34.60	9.86	45.51	100	90	Peak
5310.000	92.43	93.48	/	/	34.60	9.86	45.51	100	90	Average
5350.000	53.95	55.01	74.00	-20.05	34.60	9.85	45.51	100	90	Peak
5350.000	47.84	48.90	54.00	-6.16	34.60	9.85	45.51	100	90	Average

**REMARKS:**

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



802.11ac (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150.000	53.96	55.03	74.00	-20.04	34.52	9.92	45.51	100	350	Peak
5150.000	49.73	50.80	54.00	-4.27	34.52	9.92	45.51	100	350	Average
5260.000	96.59	97.61	/	/	34.61	9.88	45.51	100	350	Peak
5260.000	89.88	90.90	/	/	34.61	9.88	45.51	100	350	Average
5350.000	54.02	55.00	74.00	-19.98	34.68	9.85	45.51	100	350	Peak
5350.000	47.63	48.61	54.00	-6.37	34.68	9.85	45.51	100	350	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
5150.000	55.79	56.78	74.00	-18.21	34.60	9.92	45.51	100	90	Peak
5150.000	49.42	50.41	54.00	-4.58	34.60	9.92	45.51	100	90	Average
5260.000	101.95	102.98	/	/	34.60	9.88	45.51	100	90	Peak
5260.000	94.32	95.35	/	/	34.60	9.88	45.51	100	90	Average
5350.000	53.62	54.68	74.00	-20.38	34.60	9.85	45.51	100	90	Peak
5350.000	47.87	48.93	54.00	-6.13	34.60	9.85	45.51	100	90	Average

REMARKS:

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



<b>CHANNEL</b>	TX Channel 60	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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
5150.000	55.63	56.70	74.00	-18.37	34.52	9.92	45.51	100	350	Peak
5150.000	49.65	50.72	54.00	-4.35	34.52	9.92	45.51	100	350	Average
5300.000	97.73	98.73	/	/	34.64	9.87	45.51	100	350	Peak
5300.000	90.17	91.17	/	/	34.64	9.87	45.51	100	350	Average
5350.000	53.73	54.71	74.00	-20.27	34.68	9.85	45.51	100	350	Peak
5350.000	47.98	48.96	54.00	-6.02	34.68	9.85	45.51	100	350	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
5150.000	55.66	56.65	74.00	-18.34	34.60	9.92	45.51	100	90	Peak
5150.000	49.81	50.80	54.00	-4.19	34.60	9.92	45.51	100	90	Average
5300.000	101.50	102.54	/	/	34.60	9.87	45.51	100	90	Peak
5300.000	95.07	96.11	/	/	34.60	9.87	45.51	100	90	Average
5350.000	54.55	55.61	74.00	-19.45	34.60	9.85	45.51	100	90	Peak
5350.000	47.80	48.86	54.00	-6.20	34.60	9.85	45.51	100	90	Average

**REMARKS:**

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



<b>CHANNEL</b>	TX Channel 64	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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
5150.000	55.16	56.23	74.00	-18.84	34.52	9.92	45.51	100	100	Peak
5150.000	49.68	50.75	54.00	-4.32	34.52	9.92	45.51	100	100	Average
5320.000	96.44	97.43	/	/	34.66	9.86	45.51	100	100	Peak
5320.000	89.97	90.96	/	/	34.66	9.86	45.51	100	100	Average
5350.000	53.07	54.05	74.00	-20.93	34.68	9.85	45.51	100	100	Peak
5350.000	47.89	48.87	54.00	-6.11	34.68	9.85	45.51	100	100	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
5150.000	55.90	56.89	74.00	-18.10	34.60	9.92	45.51	100	90	Peak
5150.000	49.54	50.53	54.00	-4.46	34.60	9.92	45.51	100	90	Average
5320.000	101.90	102.95	/	/	34.60	9.86	45.51	100	90	Peak
5320.000	95.11	96.16	/	/	34.60	9.86	45.51	100	90	Average
5350.000	53.00	54.06	74.00	-21.00	34.60	9.85	45.51	100	90	Peak
5350.000	47.33	48.39	54.00	-6.67	34.60	9.85	45.51	100	90	Average

**REMARKS:**

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



802.11ac (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150.000	54.52	55.59	74.00	-19.48	34.52	9.92	45.51	100	350	Peak
5150.000	50.10	51.17	54.00	-3.90	34.52	9.92	45.51	100	350	Average
5270.000	93.36	94.37	/	/	34.62	9.88	45.51	100	350	Peak
5270.000	87.21	88.22	/	/	34.62	9.88	45.51	100	350	Average
5350.000	54.33	55.31	74.00	-19.67	34.68	9.85	45.51	100	350	Peak
5350.000	48.10	49.08	54.00	-5.90	34.68	9.85	45.51	100	350	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
5150.000	54.40	55.39	74.00	-19.60	34.60	9.92	45.51	100	90	Peak
5150.000	49.89	50.88	54.00	-4.11	34.60	9.92	45.51	100	90	Average
5270.000	97.80	98.83	/	/	34.60	9.88	45.51	100	90	Peak
5270.000	91.71	92.74	/	/	34.60	9.88	45.51	100	90	Average
5350.000	53.61	54.67	74.00	-20.39	34.60	9.85	45.51	100	90	Peak
5350.000	47.70	48.76	54.00	-6.30	34.60	9.85	45.51	100	90	Average

REMARKS:

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



<b>CHANNEL</b>	TX Channel 62	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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
5150.000	55.13	56.20	74.00	-18.87	34.52	9.92	45.51	100	350	Peak
5150.000	49.83	50.90	54.00	-4.17	34.52	9.92	45.51	100	350	Average
5310.000	92.62	93.62	/	/	34.65	9.86	45.51	100	350	Peak
5310.000	87.21	88.21	/	/	34.65	9.86	45.51	100	350	Average
5350.000	53.26	54.24	74.00	-20.74	34.68	9.85	45.51	100	350	Peak
5350.000	47.74	48.72	54.00	-6.26	34.68	9.85	45.51	100	350	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
5150.000	56.91	57.90	74.00	-17.09	34.60	9.92	45.51	100	90	Peak
5150.000	49.73	50.72	54.00	-4.27	34.60	9.92	45.51	100	90	Average
5310.000	97.41	98.46	/	/	34.60	9.86	45.51	100	90	Peak
5310.000	91.68	92.73	/	/	34.60	9.86	45.51	100	90	Average
5350.000	53.99	55.05	74.00	-20.01	34.60	9.85	45.51	100	90	Peak
5350.000	48.25	49.31	54.00	-5.75	34.60	9.85	45.51	100	90	Average

**REMARKS:**

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





802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150.000	56.07	57.14	74.00	-17.93	34.52	9.92	45.51	100	350	Peak
5150.000	49.90	50.97	54.00	-4.10	34.52	9.92	45.51	100	350	Average
5290.000	87.32	88.33	/	/	34.63	9.87	45.51	100	350	Peak
5290.000	82.10	83.11	/	/	34.63	9.87	45.51	100	350	Average
5350.000	53.59	54.57	74.00	-20.41	34.68	9.85	45.51	100	350	Peak
5350.000	47.52	48.50	54.00	-6.48	34.68	9.85	45.51	100	350	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
5150.000	56.40	57.39	74.00	-17.60	34.60	9.92	45.51	100	90	Peak
5150.000	49.42	50.41	54.00	-4.58	34.60	9.92	45.51	100	90	Average
5290.000	93.06	94.10	/	/	34.60	9.87	45.51	100	90	Peak
5290.000	87.76	88.80	/	/	34.60	9.87	45.51	100	90	Average
5350.000	53.38	54.44	74.00	-20.62	34.60	9.85	45.51	100	90	Peak
5350.000	48.28	49.34	54.00	-5.72	34.60	9.85	45.51	100	90	Average

REMARKS:

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



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
5150.000	55.26	56.33	74.00	-18.74	34.52	9.92	45.51	100	350	Peak
5150.000	50.02	51.09	54.00	-3.98	34.52	9.92	45.51	100	350	Average
5260.000	98.16	99.18	/	/	34.61	9.88	45.51	100	350	Peak
5260.000	88.03	89.05	/	/	34.61	9.88	45.51	100	350	Average
5350.000	53.81	54.79	74.00	-20.19	34.68	9.85	45.51	100	350	Peak
5350.000	47.83	48.81	54.00	-6.17	34.68	9.85	45.51	100	350	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
5150.000	56.07	57.06	74.00	-17.93	34.60	9.92	45.51	100	90	Peak
5150.000	49.40	50.39	54.00	-4.60	34.60	9.92	45.51	100	90	Average
5260.000	103.19	104.22	/	/	34.60	9.88	45.51	100	90	Peak
5260.000	92.81	93.84	/	/	34.60	9.88	45.51	100	90	Average
5350.000	53.83	54.89	74.00	-20.17	34.60	9.85	45.51	100	90	Peak
5350.000	47.98	49.04	54.00	-6.02	34.60	9.85	45.51	100	90	Average

REMARKS:

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



<b>CHANNEL</b>	TX Channel 60	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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
5150.000	56.04	57.11	74.00	-17.96	34.52	9.92	45.51	100	350	Peak
5150.000	49.50	50.57	54.00	-4.50	34.52	9.92	45.51	100	350	Average
5300.000	97.90	98.90	/	/	34.64	9.87	45.51	100	350	Peak
5300.000	89.24	90.24	/	/	34.64	9.87	45.51	100	350	Average
5350.000	54.92	55.90	74.00	-19.08	34.68	9.85	45.51	100	350	Peak
5350.000	48.04	49.02	54.00	-5.96	34.68	9.85	45.51	100	350	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
5150.000	55.01	56.00	74.00	-18.99	34.60	9.92	45.51	100	90	Peak
5150.000	50.38	51.37	54.00	-3.62	34.60	9.92	45.51	100	90	Average
5300.000	103.39	104.43	/	/	34.60	9.87	45.51	100	90	Peak
5300.000	93.57	94.61	/	/	34.60	9.87	45.51	100	90	Average
5350.000	54.18	55.24	74.00	-19.82	34.60	9.85	45.51	100	90	Peak
5350.000	48.25	49.31	54.00	-5.75	34.60	9.85	45.51	100	90	Average

**REMARKS:**

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



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Test Report No.: W7L-P23030016RF03

<b>CHANNEL</b>	TX Channel 64	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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
5150.000	54.22	55.29	74.00	-19.78	34.52	9.92	45.51	100	100	Peak
5150.000	49.74	50.81	54.00	-4.26	34.52	9.92	45.51	100	100	Average
5320.000	98.61	99.60	/	/	34.66	9.86	45.51	100	100	Peak
5320.000	89.07	90.06	/	/	34.66	9.86	45.51	100	100	Average
5350.000	53.31	54.29	74.00	-20.69	34.68	9.85	45.51	100	100	Peak
5350.000	47.51	48.49	54.00	-6.49	34.68	9.85	45.51	100	100	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
5150.000	55.49	56.48	74.00	-18.51	34.60	9.92	45.51	100	90	Peak
5150.000	49.61	50.60	54.00	-4.39	34.60	9.92	45.51	100	90	Average
5320.000	103.03	104.08	/	/	34.60	9.86	45.51	100	90	Peak
5320.000	93.68	94.73	/	/	34.60	9.86	45.51	100	90	Average
5350.000	53.59	54.65	74.00	-20.41	34.60	9.85	45.51	100	90	Peak
5350.000	47.82	48.88	54.00	-6.18	34.60	9.85	45.51	100	90	Average

**REMARKS:**

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



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
5150.000	56.54	57.61	74.00	-17.46	34.52	9.92	45.51	100	350	Peak
5150.000	49.88	50.95	54.00	-4.12	34.52	9.92	45.51	100	350	Average
5270.000	93.05	94.06	/	/	34.62	9.88	45.51	100	350	Peak
5270.000	85.04	86.05	/	/	34.62	9.88	45.51	100	350	Average
5350.000	54.39	55.37	74.00	-19.61	34.68	9.85	45.51	100	350	Peak
5350.000	47.95	48.93	54.00	-6.05	34.68	9.85	45.51	100	350	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
5150.000	55.51	56.50	74.00	-18.49	34.60	9.92	45.51	100	90	Peak
5150.000	49.87	50.86	54.00	-4.13	34.60	9.92	45.51	100	90	Average
5270.000	98.64	99.67	/	/	34.60	9.88	45.51	100	90	Peak
5270.000	90.23	91.26	/	/	34.60	9.88	45.51	100	90	Average
5350.000	53.19	54.25	74.00	-20.81	34.60	9.85	45.51	100	90	Peak
5350.000	48.07	49.13	54.00	-5.93	34.60	9.85	45.51	100	90	Average

REMARKS:

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



<b>CHANNEL</b>	TX Channel 62	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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
5150.000	55.74	56.81	74.00	-18.26	34.52	9.92	45.51	100	350	Peak
5150.000	49.82	50.89	54.00	-4.18	34.52	9.92	45.51	100	350	Average
5310.000	93.03	94.03	/	/	34.65	9.86	45.51	100	350	Peak
5310.000	85.79	86.79	/	/	34.65	9.86	45.51	100	350	Average
5350.000	53.70	54.68	74.00	-20.30	34.68	9.85	45.51	100	350	Peak
5350.000	47.85	48.83	54.00	-6.15	34.68	9.85	45.51	100	350	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
5150.000	54.27	55.26	74.00	-19.73	34.60	9.92	45.51	100	90	Peak
5150.000	49.68	50.67	54.00	-4.32	34.60	9.92	45.51	100	90	Average
5310.000	97.95	99.00	/	/	34.60	9.86	45.51	100	90	Peak
5310.000	90.36	91.41	/	/	34.60	9.86	45.51	100	90	Average
5350.000	53.06	54.12	74.00	-20.94	34.60	9.85	45.51	100	90	Peak
5350.000	47.69	48.75	54.00	-6.31	34.60	9.85	45.51	100	90	Average

**REMARKS:**

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



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
5150.000	54.63	55.70	74.00	-19.37	34.52	9.92	45.51	100	350	Peak
5150.000	49.93	51.00	54.00	-4.07	34.52	9.92	45.51	100	350	Average
5290.000	90.74	91.75	/	/	34.63	9.87	45.51	100	350	Peak
5290.000	82.00	83.01	/	/	34.63	9.87	45.51	100	350	Average
5350.000	53.78	54.76	74.00	-20.22	34.68	9.85	45.51	100	350	Peak
5350.000	48.12	49.10	54.00	-5.88	34.68	9.85	45.51	100	350	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
5150.000	54.59	55.58	74.00	-19.41	34.60	9.92	45.51	100	90	Peak
5150.000	50.22	51.21	54.00	-3.78	34.60	9.92	45.51	100	90	Average
5290.000	94.94	95.98	/	/	34.60	9.87	45.51	100	90	Peak
5290.000	87.56	88.60	/	/	34.60	9.87	45.51	100	90	Average
5350.000	54.06	55.12	74.00	-19.94	34.60	9.85	45.51	100	90	Peak
5350.000	48.69	49.75	54.00	-5.31	34.60	9.85	45.51	100	90	Average

REMARKS:

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



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Test Report No.: W7L-P23030016RF03

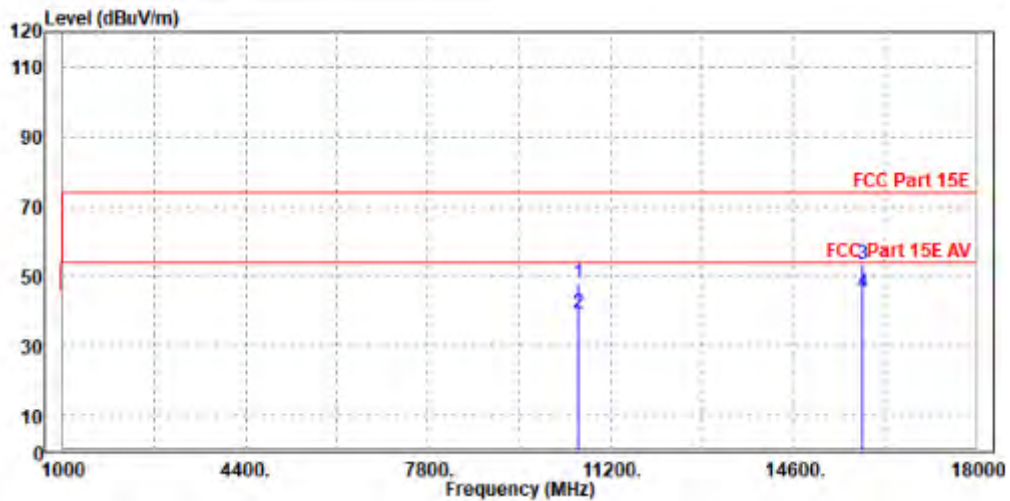
802.11ax (20MHz)

Worst case harmonic:

<b>CHANNEL</b>	TX Channel 60	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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	10600.000	47.95	41.02	74.00	-26.05	6.93	Peak	Horizontal
2	10600.000	39.25	32.32	54.00	-14.75	6.93	Average	Horizontal
3	PK15892.000	53.34	39.20	74.00	-20.66	14.14	Peak	Horizontal
4	PP15892.000	45.00	30.86	54.00	-9.00	14.14	Average	Horizontal

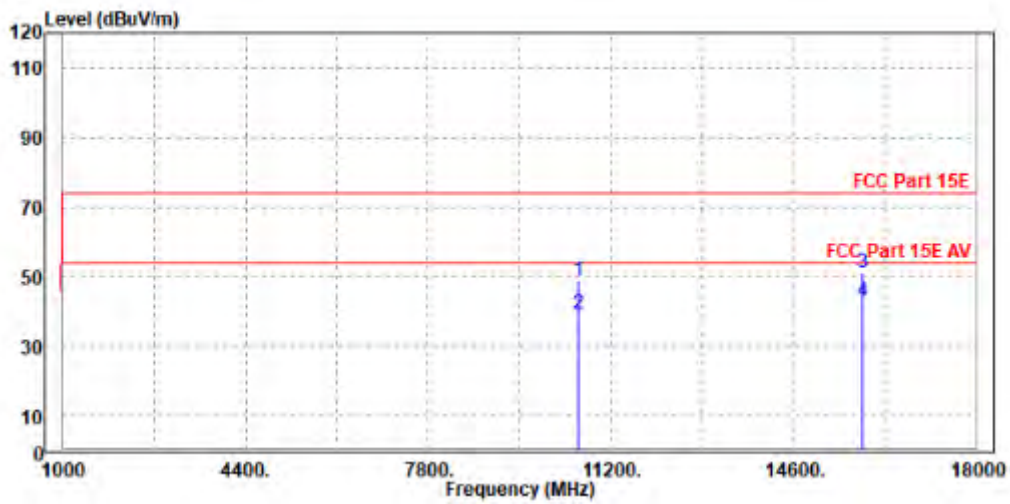






ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10605.000	48.88	40.75	74.00	-25.12	8.13	Peak	Vertical
2	10605.000	39.01	30.88	54.00	-14.99	8.13	Average	Vertical
3	PK15900.000	51.32	38.62	74.00	-22.68	12.70	Peak	Vertical
4	PP15900.000	42.89	30.19	54.00	-11.11	12.70	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 5300MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



**5G WIFI-RU**

**802.11ax (20MHz) (RU242):**

<b>CHANNEL</b>	TX Channel 52	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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
5150.000	55.19	56.26	74.00	-18.81	34.52	9.92	45.51	100	358	Peak
5150.000	49.22	50.29	54.00	-4.78	34.52	9.92	45.51	100	358	Average
5260.000	97.29	98.31	/	/	34.61	9.88	45.51	100	358	Peak
5260.000	87.80	88.82	/	/	34.61	9.88	45.51	100	358	Average
5350.000	54.89	55.87	74.00	-19.11	34.68	9.85	45.51	100	358	Peak
5350.000	47.94	48.92	54.00	-6.06	34.68	9.85	45.51	100	358	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
5150.000	55.42	56.41	74.00	-18.58	34.60	9.92	45.51	100	265	Peak
5150.000	49.67	50.66	54.00	-4.33	34.60	9.92	45.51	100	265	Average
5260.000	99.79	100.82	/	/	34.60	9.88	45.51	100	265	Peak
5260.000	90.51	91.54	/	/	34.60	9.88	45.51	100	265	Average
5350.000	53.87	54.93	74.00	-20.13	34.60	9.85	45.51	100	265	Peak
5350.000	48.43	49.49	54.00	-5.57	34.60	9.85	45.51	100	265	Average

**REMARKS:**

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



<b>CHANNEL</b>	TX Channel 60	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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
5150.000	54.27	55.34	74.00	-19.73	34.52	9.92	45.51	100	358	Peak
5150.000	49.67	50.74	54.00	-4.33	34.52	9.92	45.51	100	358	Average
5300.000	96.39	97.39	/	/	34.64	9.87	45.51	100	358	Peak
5300.000	86.54	87.54	/	/	34.64	9.87	45.51	100	358	Average
5350.000	54.53	55.51	74.00	-19.47	34.68	9.85	45.51	100	358	Peak
5350.000	47.52	48.50	54.00	-6.48	34.68	9.85	45.51	100	358	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
5150.000	54.24	55.23	74.00	-19.76	34.60	9.92	45.51	100	265	Peak
5150.000	49.82	50.81	54.00	-4.18	34.60	9.92	45.51	100	265	Average
5300.000	99.60	100.64	/	/	34.60	9.87	45.51	100	265	Peak
5300.000	89.96	91.00	/	/	34.60	9.87	45.51	100	265	Average
5350.000	54.52	55.58	74.00	-19.48	34.60	9.85	45.51	100	265	Peak
5350.000	47.97	49.03	54.00	-6.03	34.60	9.85	45.51	100	265	Average

**REMARKS:**

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



<b>CHANNEL</b>	TX Channel 64	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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
5150.000	54.31	55.38	74.00	-19.69	34.52	9.92	45.51	100	358	Peak
5150.000	49.55	50.62	54.00	-4.45	34.52	9.92	45.51	100	358	Average
5320.000	95.05	96.04	/	/	34.66	9.86	45.51	100	358	Peak
5320.000	85.74	86.73	/	/	34.66	9.86	45.51	100	358	Average
5350.000	54.42	55.40	74.00	-19.58	34.68	9.85	45.51	100	358	Peak
5350.000	47.32	48.30	54.00	-6.68	34.68	9.85	45.51	100	358	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
5150.000	55.66	56.65	74.00	-18.34	34.60	9.92	45.51	100	265	Peak
5150.000	49.60	50.59	54.00	-4.40	34.60	9.92	45.51	100	265	Average
5320.000	99.07	100.12	/	/	34.60	9.86	45.51	100	265	Peak
5320.000	89.85	90.90	/	/	34.60	9.86	45.51	100	265	Average
5350.000	53.93	54.99	74.00	-20.07	34.60	9.85	45.51	100	265	Peak
5350.000	48.12	49.18	54.00	-5.88	34.60	9.85	45.51	100	265	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
5150.000	56.52	57.59	74.00	-17.48	34.52	9.92	45.51	100	358	Peak
5150.000	49.57	50.64	54.00	-4.43	34.52	9.92	45.51	100	358	Average
5270.000	91.60	92.61	/	/	34.62	9.88	45.51	100	358	Peak
5270.000	84.24	85.25	/	/	34.62	9.88	45.51	100	358	Average
5350.000	55.19	56.17	74.00	-18.81	34.68	9.85	45.51	100	358	Peak
5350.000	48.26	49.24	54.00	-5.74	34.68	9.85	45.51	100	358	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
5150.000	54.25	55.24	74.00	-19.75	34.60	9.92	45.51	100	265	Peak
5150.000	50.31	51.30	54.00	-3.69	34.60	9.92	45.51	100	265	Average
5270.000	94.57	95.60	/	/	34.60	9.88	45.51	100	265	Peak
5270.000	87.34	88.37	/	/	34.60	9.88	45.51	100	265	Average
5350.000	54.05	55.11	74.00	-19.95	34.60	9.85	45.51	100	265	Peak
5350.000	47.90	48.96	54.00	-6.10	34.60	9.85	45.51	100	265	Average

REMARKS:

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



<b>CHANNEL</b>	TX Channel 62	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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
5150.000	54.82	55.89	74.00	-19.18	34.52	9.92	45.51	100	358	Peak
5150.000	50.13	51.20	54.00	-3.87	34.52	9.92	45.51	100	358	Average
5310.000	91.08	92.08	/	/	34.65	9.86	45.51	100	358	Peak
5310.000	83.22	84.22	/	/	34.65	9.86	45.51	100	358	Average
5350.000	53.67	54.65	74.00	-20.33	34.68	9.85	45.51	100	358	Peak
5350.000	48.02	49.00	54.00	-5.98	34.68	9.85	45.51	100	358	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
5150.000	56.74	57.73	74.00	-17.26	34.60	9.92	45.51	100	265	Peak
5150.000	49.86	50.85	54.00	-4.14	34.60	9.92	45.51	100	265	Average
5310.000	94.99	96.04	/	/	34.60	9.86	45.51	100	265	Peak
5310.000	87.18	88.23	/	/	34.60	9.86	45.51	100	265	Average
5350.000	53.88	54.94	74.00	-20.12	34.60	9.85	45.51	100	265	Peak
5350.000	47.68	48.74	54.00	-6.32	34.60	9.85	45.51	100	265	Average

**REMARKS:**

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



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
5150.000	55.09	56.16	74.00	-18.91	34.52	9.92	45.51	100	358	Peak
5150.000	49.93	51.00	54.00	-4.07	34.52	9.92	45.51	100	358	Average
5290.000	88.42	89.43	/	/	34.63	9.87	45.51	100	358	Peak
5290.000	80.75	81.76	/	/	34.63	9.87	45.51	100	358	Average
5350.000	53.14	54.12	74.00	-20.86	34.68	9.85	45.51	100	358	Peak
5350.000	48.06	49.04	54.00	-5.94	34.68	9.85	45.51	100	358	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
5150.000	55.69	56.68	74.00	-18.31	34.60	9.92	45.51	100	265	Peak
5150.000	50.44	51.43	54.00	-3.56	34.60	9.92	45.51	100	265	Average
5290.000	91.69	92.73	/	/	34.60	9.87	45.51	100	265	Peak
5290.000	84.41	85.45	/	/	34.60	9.87	45.51	100	265	Average
5350.000	53.78	54.84	74.00	-20.22	34.60	9.85	45.51	100	265	Peak
5350.000	48.48	49.54	54.00	-5.52	34.60	9.85	45.51	100	265	Average

REMARKS:

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



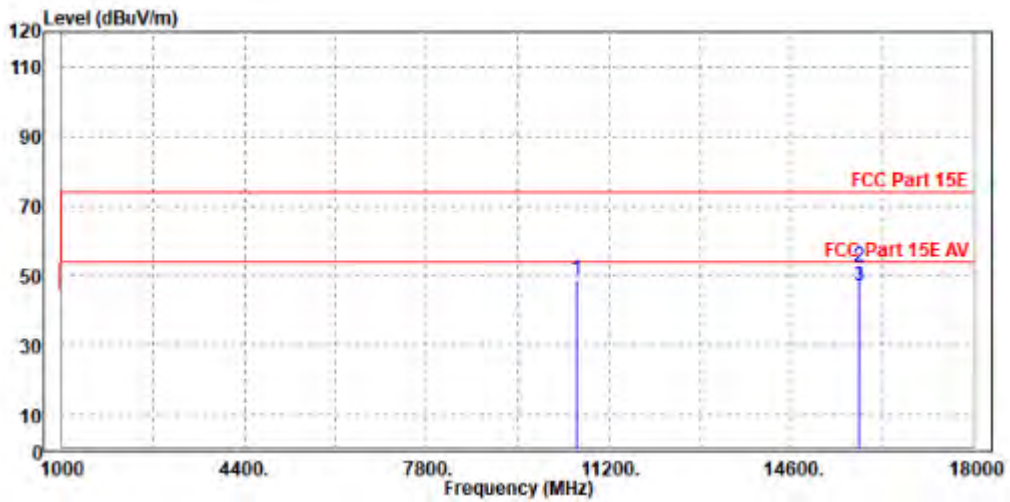
802.11ax (80MHz) (RU996):

Worst case harmonic:

<b>CHANNEL</b>	TX Channel 58	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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	48.97	42.03	74.00	-25.03	6.94	Peak	Horizontal
2	PK15870.000	52.62	38.58	74.00	-21.38	14.04	Peak	Horizontal
3	PP15870.000	47.20	33.16	54.00	-6.80	14.04	Average	Horizontal

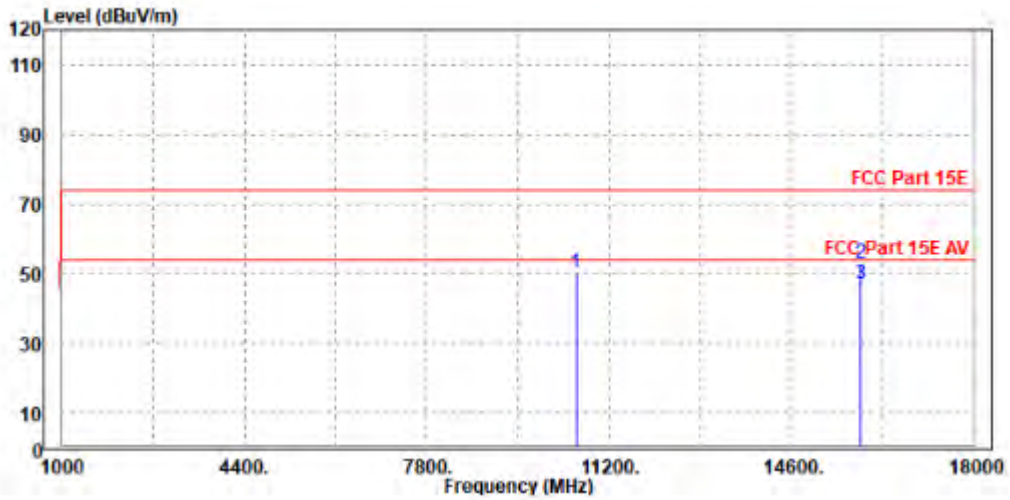






ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10580.000	50.13	41.95	74.00	-23.87	8.18	Peak	Vertical
2	PK15875.000	52.76	40.12	74.00	-21.24	12.64	Peak	Vertical
3	PP15875.000	47.22	34.58	54.00	-6.78	12.64	Average	Vertical



REMARKS:

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



**Band 3**

**802.11a**

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

<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ 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	55.47	74	-19.46	34.77	9.81	45.51	100	275	Peak
5460	47.72	48.65	54	-6.28	34.77	9.81	45.51	100	275	Average
5470	53.87	54.79	68.2	-14.33	34.78	9.81	45.51	100	275	Peak
5500	100.24	101.14	/	/	34.8	9.8	45.5	100	275	Peak
5500	93.73	94.63	/	/	34.8	9.8	45.5	100	275	Average

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ 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	55.42	56.52	74	-18.58	34.6	9.81	45.51	170	265	Peak
5460	47.61	48.71	54	-6.39	34.6	9.81	45.51	170	265	Average
5470	52.99	54.09	68.2	-15.21	34.6	9.81	45.51	170	265	Peak
5500	103.32	104.42	/	/	34.6	9.8	45.5	170	265	Peak
5500	97.85	98.95	/	/	34.6	9.8	45.5	170	265	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.



<b>CHANNEL</b>	TX Channel 116	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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	53.65	54.58	74	-20.35	34.77	9.81	45.51	100	275	Peak
5460	48.1	49.03	54	-5.9	34.77	9.81	45.51	100	275	Average
5470	54.65	55.57	68.2	-13.55	34.78	9.81	45.51	100	275	Peak
5580	100.83	101.6	/	/	34.9	9.83	45.5	100	275	Peak
5580	94.76	95.53	/	/	34.9	9.83	45.5	100	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
5460	54.44	55.54	74	-19.56	34.6	9.81	45.51	170	265	Peak
5460	48.24	49.34	54	-5.76	34.6	9.81	45.51	170	265	Average
5470	56.39	57.49	68.2	-11.81	34.6	9.81	45.51	170	265	Peak
5580	103.8	104.77	/	/	34.7	9.83	45.5	170	265	Peak
5580	97.57	98.54	/	/	34.7	9.83	45.5	170	265	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.



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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	103.89	104.48	/	/	35.04	9.87	45.5	100	280	Peak
5700	97.52	98.11	/	/	35.04	9.87	45.5	100	280	Average
5725	57.78	58.33	68.2	-10.42	35.07	9.88	45.5	100	280	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	105.43	106.22	/	/	34.84	9.87	45.5	100	80	Peak
5700	99.14	99.93	/	/	34.84	9.87	45.5	100	80	Average
5725	56.26	57.01	68.2	-11.94	34.87	9.88	45.5	100	80	Peak

**REMARKS:**

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



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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.42	54.34	68.2	-14.78	34.78	9.81	45.51	100	280	Peak
5720	103.47	104.04	/	/	35.06	9.87	45.5	100	280	Peak
5720	97.95	98.52	/	/	35.06	9.87	45.5	100	280	Average
5850	55.88	56.24	68.2	-12.32	35.22	9.92	45.5	100	280	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	54.72	55.82	68.2	-13.48	34.6	9.81	45.51	100	80	Peak
5720	105.4	106.17	/	/	34.86	9.87	45.5	100	80	Peak
5720	99.33	100.1	/	/	34.86	9.87	45.5	100	80	Average
5850	55.24	55.8	68.2	-12.96	35.02	9.92	45.5	100	80	Peak

**REMARKS:**

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



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	54.53	55.46	74	-19.47	34.77	9.81	45.51	100	275	Peak
5460	47.98	48.91	54	-6.02	34.77	9.81	45.51	100	275	Average
5470	53.31	54.23	68.2	-14.89	34.78	9.81	45.51	100	275	Peak
5500	98.22	99.12	/	/	34.8	9.8	45.5	100	275	Peak
5500	91	91.9	/	/	34.8	9.8	45.5	100	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
5460	54.59	55.69	74	-19.41	34.6	9.81	45.51	170	265	Peak
5460	48.29	49.39	54	-5.71	34.6	9.81	45.51	170	265	Average
5470	56.23	57.33	68.2	-11.97	34.6	9.81	45.51	170	265	Peak
5500	101.69	102.79	/	/	34.6	9.8	45.5	170	265	Peak
5500	95.39	96.49	/	/	34.6	9.8	45.5	170	265	Average

REMARKS:

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



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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.19	54.12	74	-20.81	34.77	9.81	45.51	100	275	Peak
5460	47.61	48.54	54	-6.39	34.77	9.81	45.51	100	275	Average
5470	53.8	54.72	68.2	-14.4	34.78	9.81	45.51	100	275	Peak
5580	98.78	99.55	/	/	34.9	9.83	45.5	100	275	Peak
5580	92.59	93.36	/	/	34.9	9.83	45.5	100	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
5460	54.58	55.68	74	-19.42	34.6	9.81	45.51	170	265	Peak
5460	47.73	48.83	54	-6.27	34.6	9.81	45.51	170	265	Average
5470	53.82	54.92	68.2	-14.38	34.6	9.81	45.51	170	265	Peak
5580	101.89	102.86	/	/	34.7	9.83	45.5	170	265	Peak
5580	95.57	96.54	/	/	34.7	9.83	45.5	170	265	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.



<b>CHANNEL</b>	TX Channel 140	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	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	101.9	102.49	/	/	35.04	9.87	45.5	100	280	Peak
5700	95.12	95.71	/	/	35.04	9.87	45.5	100	280	Average
5725	55.57	56.12	68.2	-12.63	35.07	9.88	45.5	100	280	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	103.16	103.95	/	/	34.84	9.87	45.5	100	80	Peak
5700	97.15	97.94	/	/	34.84	9.87	45.5	100	80	Average
5725	56.61	57.36	68.2	-11.59	34.87	9.88	45.5	100	80	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.