



**802.11n (20MHz)**

<b>CHANNEL</b>	TX Channel 36	<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	54.65	55.72	74.00	-19.35	34.52	9.92	45.51	100	350	Peak
5150.000	50.13	51.20	54.00	-3.87	34.52	9.92	45.51	100	350	Average
5180.000	99.28	100.34	/	/	34.54	9.91	45.51	100	350	Peak
5180.000	92.96	94.02	/	/	34.54	9.91	45.51	100	350	Average
5350.000	53.69	54.67	74.00	-20.31	34.68	9.85	45.51	100	350	Peak
5350.000	48.33	49.31	54.00	-5.67	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	54.98	55.97	74.00	-19.02	34.60	9.92	45.51	100	90	Peak
5150.000	50.19	51.18	54.00	-3.81	34.60	9.92	45.51	100	90	Average
5180.000	102.67	103.67	/	/	34.60	9.91	45.51	100	90	Peak
5180.000	96.24	97.24	/	/	34.60	9.91	45.51	100	90	Average
5350.000	54.04	55.10	74.00	-19.96	34.60	9.85	45.51	100	90	Peak
5350.000	47.62	48.68	54.00	-6.38	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. 5180MHz: Fundamental frequency.



<b>CHANNEL</b>	TX Channel 40	<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	54.70	55.77	74.00	-19.30	34.52	9.92	45.51	100	350	Peak
5150.000	49.79	50.86	54.00	-4.21	34.52	9.92	45.51	100	350	Average
5200.000	98.04	99.09	/	/	34.56	9.90	45.51	100	350	Peak
5200.000	92.24	93.29	/	/	34.56	9.90	45.51	100	350	Average
5350.000	53.56	54.54	74.00	-20.44	34.68	9.85	45.51	100	350	Peak
5350.000	48.09	49.07	54.00	-5.91	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	56.77	57.76	74.00	-17.23	34.60	9.92	45.51	100	90	Peak
5150.000	49.95	50.94	54.00	-4.05	34.60	9.92	45.51	100	90	Average
5200.000	102.19	103.20	/	/	34.60	9.90	45.51	100	90	Peak
5200.000	95.78	96.79	/	/	34.60	9.90	45.51	100	90	Average
5350.000	54.36	55.42	74.00	-19.64	34.60	9.85	45.51	100	90	Peak
5350.000	48.19	49.25	54.00	-5.81	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.
- 5200MHz: Fundamental frequency.



<b>CHANNEL</b>	TX Channel 48	<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	56.25	57.32	74.00	-17.75	34.52	9.92	45.51	100	350	Peak
5150.000	49.99	51.06	54.00	-4.01	34.52	9.92	45.51	100	350	Average
5240.000	98.61	99.64	/	/	34.59	9.89	45.51	100	350	Peak
5240.000	91.26	92.29	/	/	34.59	9.89	45.51	100	350	Average
5350.000	54.86	55.84	74.00	-19.14	34.68	9.85	45.51	100	350	Peak
5350.000	47.91	48.89	54.00	-6.09	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	56.73	57.72	74.00	-17.27	34.60	9.92	45.51	100	90	Peak
5150.000	50.29	51.28	54.00	-3.71	34.60	9.92	45.51	100	90	Average
5240.000	102.63	103.65	/	/	34.60	9.89	45.51	100	90	Peak
5240.000	94.98	96.00	/	/	34.60	9.89	45.51	100	90	Average
5350.000	53.07	54.13	74.00	-20.93	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.
- 5240MHz: Fundamental frequency.



802.11n (40MHz)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150.000	55.15	56.22	74.00	-18.85	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
5190.000	95.73	96.78	/	/	34.55	9.91	45.51	100	350	Peak
5190.000	89.88	90.93	/	/	34.55	9.91	45.51	100	350	Average
5350.000	56.62	57.60	74.00	-17.38	34.68	9.85	45.51	100	350	Peak
5350.000	48.43	49.41	54.00	-5.57	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	54.07	55.06	74.00	-19.93	34.60	9.92	45.51	100	90	Peak
5150.000	50.42	51.41	54.00	-3.58	34.60	9.92	45.51	100	90	Average
5190.000	99.42	100.42	/	/	34.60	9.91	45.51	100	90	Peak
5190.000	93.54	94.54	/	/	34.60	9.91	45.51	100	90	Average
5350.000	53.29	54.35	74.00	-20.71	34.60	9.85	45.51	100	90	Peak
5350.000	48.16	49.22	54.00	-5.84	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. 5190MHz: Fundamental frequency.



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Test Report No.: W7L-P23030016RF03

<b>CHANNEL</b>	TX Channel 46	<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	54.18	55.25	74.00	-19.82	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
5230.000	95.24	96.28	/	/	34.58	9.89	45.51	100	350	Peak
5230.000	88.29	89.33	/	/	34.58	9.89	45.51	100	350	Average
5350.000	53.28	54.26	74.00	-20.72	34.68	9.85	45.51	100	350	Peak
5350.000	47.75	48.73	54.00	-6.25	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	54.71	55.70	74.00	-19.29	34.60	9.92	45.51	100	90	Peak
5150.000	50.16	51.15	54.00	-3.84	34.60	9.92	45.51	100	90	Average
5230.000	98.51	99.53	/	/	34.60	9.89	45.51	100	90	Peak
5230.000	92.44	93.46	/	/	34.60	9.89	45.51	100	90	Average
5350.000	53.40	54.46	74.00	-20.60	34.60	9.85	45.51	100	90	Peak
5350.000	48.04	49.10	54.00	-5.96	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.
- 5230MHz: Fundamental frequency.



802.11ac (20MHz)

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150.000	55.23	56.30	74.00	-18.77	34.52	9.92	45.51	100	350	Peak
5150.000	49.68	50.75	54.00	-4.32	34.52	9.92	45.51	100	350	Average
5180.000	97.98	99.04	/	/	34.54	9.91	45.51	100	350	Peak
5180.000	91.90	92.96	/	/	34.54	9.91	45.51	100	350	Average
5350.000	53.06	54.04	74.00	-20.94	34.68	9.85	45.51	100	350	Peak
5350.000	47.99	48.97	54.00	-6.01	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	55.96	56.95	74.00	-18.04	34.60	9.92	45.51	100	90	Peak
5150.000	49.57	50.56	54.00	-4.43	34.60	9.92	45.51	100	90	Average
5180.000	101.75	102.75	/	/	34.60	9.91	45.51	100	90	Peak
5180.000	95.39	96.39	/	/	34.60	9.91	45.51	100	90	Average
5350.000	55.75	56.81	74.00	-18.25	34.60	9.85	45.51	100	90	Peak
5350.000	47.85	48.91	54.00	-6.15	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.
- 5180MHz: Fundamental frequency.



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Test Report No.: W7L-P23030016RF03

<b>CHANNEL</b>	TX Channel 40	<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	54.45	55.52	74.00	-19.55	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
5200.000	97.79	98.84	/	/	34.56	9.90	45.51	100	350	Peak
5200.000	91.33	92.38	/	/	34.56	9.90	45.51	100	350	Average
5350.000	56.66	57.64	74.00	-17.34	34.68	9.85	45.51	100	350	Peak
5350.000	49.14	50.12	54.00	-4.86	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	55.92	56.91	74.00	-18.08	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
5200.000	101.06	102.07	/	/	34.60	9.90	45.51	100	90	Peak
5200.000	95.17	96.18	/	/	34.60	9.90	45.51	100	90	Average
5350.000	54.58	55.64	74.00	-19.42	34.60	9.85	45.51	100	90	Peak
5350.000	47.93	48.99	54.00	-6.07	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.
- 5200MHz: Fundamental frequency.



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VERITAS

Test Report No.: W7L-P23030016RF03

<b>CHANNEL</b>	TX Channel 48	<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	55.38	56.45	74.00	-18.62	34.52	9.92	45.51	100	350	Peak
5150.000	49.80	50.87	54.00	-4.20	34.52	9.92	45.51	100	350	Average
5240.000	97.82	98.85	/	/	34.59	9.89	45.51	100	350	Peak
5240.000	90.50	91.53	/	/	34.59	9.89	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	49.46	50.44	54.00	-4.54	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	56.76	57.75	74.00	-17.24	34.60	9.92	45.51	100	90	Peak
5150.000	49.66	50.65	54.00	-4.34	34.60	9.92	45.51	100	90	Average
5240.000	101.63	102.65	/	/	34.60	9.89	45.51	100	90	Peak
5240.000	93.96	94.98	/	/	34.60	9.89	45.51	100	90	Average
5350.000	53.68	54.74	74.00	-20.32	34.60	9.85	45.51	100	90	Peak
5350.000	48.03	49.09	54.00	-5.97	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.
- 5240MHz: Fundamental frequency.





802.11ac (40MHz)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150.000	55.49	56.56	74.00	-18.51	34.52	9.92	45.51	100	350	Peak
5150.000	49.80	50.87	54.00	-4.20	34.52	9.92	45.51	100	350	Average
5190.000	94.41	95.46	/	/	34.55	9.91	45.51	100	350	Peak
5190.000	89.55	90.60	/	/	34.55	9.91	45.51	100	350	Average
5350.000	53.29	54.27	74.00	-20.71	34.68	9.85	45.51	100	350	Peak
5350.000	48.06	49.04	54.00	-5.94	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	55.97	56.96	74.00	-18.03	34.60	9.92	45.51	100	90	Peak
5150.000	49.86	50.85	54.00	-4.14	34.60	9.92	45.51	100	90	Average
5190.000	98.74	99.74	/	/	34.60	9.91	45.51	100	90	Peak
5190.000	93.11	94.11	/	/	34.60	9.91	45.51	100	90	Average
5350.000	53.67	54.73	74.00	-20.33	34.60	9.85	45.51	100	90	Peak
5350.000	47.66	48.72	54.00	-6.34	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.
- 5190MHz: Fundamental frequency.



<b>CHANNEL</b>	TX Channel 46	<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	54.51	55.58	74.00	-19.49	34.52	9.92	45.51	100	350	Peak
5150.000	49.94	51.01	54.00	-4.06	34.52	9.92	45.51	100	350	Average
5230.000	93.82	94.86	/	/	34.58	9.89	45.51	100	350	Peak
5230.000	88.03	89.07	/	/	34.58	9.89	45.51	100	350	Average
5350.000	54.01	54.99	74.00	-19.99	34.68	9.85	45.51	100	350	Peak
5350.000	47.70	48.68	54.00	-6.30	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	54.02	55.01	74.00	-19.98	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
5230.000	98.07	99.09	/	/	34.60	9.89	45.51	100	90	Peak
5230.000	92.51	93.53	/	/	34.60	9.89	45.51	100	90	Average
5350.000	55.39	56.45	74.00	-18.61	34.60	9.85	45.51	100	90	Peak
5350.000	48.08	49.14	54.00	-5.92	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. 5230MHz: Fundamental frequency.



802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150.000	55.47	56.54	74.00	-18.53	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
5210.000	89.15	90.19	/	/	34.57	9.90	45.51	100	350	Peak
5210.000	84.53	85.57	/	/	34.57	9.90	45.51	100	350	Average
5350.000	53.44	54.42	74.00	-20.56	34.68	9.85	45.51	100	350	Peak
5350.000	48.03	49.01	54.00	-5.97	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	55.15	56.14	74.00	-18.85	34.60	9.92	45.51	100	90	Peak
5150.000	50.08	51.07	54.00	-3.92	34.60	9.92	45.51	100	90	Average
5210.000	92.98	93.99	/	/	34.60	9.90	45.51	100	90	Peak
5210.000	88.10	89.11	/	/	34.60	9.90	45.51	100	90	Average
5350.000	54.25	55.31	74.00	-19.75	34.60	9.85	45.51	100	90	Peak
5350.000	47.94	49.00	54.00	-6.06	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.
- 5210MHz: Fundamental frequency.



**802.11ax (20MHz)**

<b>CHANNEL</b>	TX Channel 36	<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
5150.000	57.48	58.55	74.00	-16.52	34.52	9.92	45.51	100	350	Peak
5150.000	49.55	50.62	54.00	-4.45	34.52	9.92	45.51	100	350	Average
5180.000	99.64	100.70	/	/	34.54	9.91	45.51	100	350	Peak
5180.000	90.66	91.72	/	/	34.54	9.91	45.51	100	350	Average
5350.000	53.22	54.20	74.00	-20.78	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
<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
5150.000	56.62	57.61	74.00	-17.38	34.60	9.92	45.51	100	90	Peak
5150.000	49.64	50.63	54.00	-4.36	34.60	9.92	45.51	100	90	Average
5180.000	103.18	104.18	/	/	34.60	9.91	45.51	100	90	Peak
5180.000	94.35	95.35	/	/	34.60	9.91	45.51	100	90	Average
5350.000	54.82	55.88	74.00	-19.18	34.60	9.85	45.51	100	90	Peak
5350.000	47.61	48.67	54.00	-6.39	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.
- 5180MHz: Fundamental frequency.



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**Test Report No.: W7L-P23030016RF03**

<b>CHANNEL</b>	TX Channel 40	<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	54.87	55.94	74.00	-19.13	34.52	9.92	45.51	100	350	Peak
5150.000	49.22	50.29	54.00	-4.78	34.52	9.92	45.51	100	350	Average
5200.000	98.83	99.88	/	/	34.56	9.90	45.51	100	350	Peak
5200.000	90.38	91.43	/	/	34.56	9.90	45.51	100	350	Average
5350.000	53.76	54.74	74.00	-20.24	34.68	9.85	45.51	100	350	Peak
5350.000	47.16	48.14	54.00	-6.84	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	54.87	55.86	74.00	-19.13	34.60	9.92	45.51	100	90	Peak
5150.000	50.11	51.10	54.00	-3.89	34.60	9.92	45.51	100	90	Average
5200.000	102.20	103.21	/	/	34.60	9.90	45.51	100	90	Peak
5200.000	94.03	95.04	/	/	34.60	9.90	45.51	100	90	Average
5350.000	54.11	55.17	74.00	-19.89	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:**

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



<b>CHANNEL</b>	TX Channel 48	<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	55.14	56.21	74.00	-18.86	34.52	9.92	45.51	100	350	Peak
5150.000	49.64	50.71	54.00	-4.36	34.52	9.92	45.51	100	350	Average
5240.000	99.12	100.15	/	/	34.59	9.89	45.51	100	350	Peak
5240.000	88.66	89.69	/	/	34.59	9.89	45.51	100	350	Average
5350.000	53.35	54.33	74.00	-20.65	34.68	9.85	45.51	100	350	Peak
5350.000	48.06	49.04	54.00	-5.94	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	55.13	56.12	74.00	-18.87	34.60	9.92	45.51	100	90	Peak
5150.000	49.34	50.33	54.00	-4.66	34.60	9.92	45.51	100	90	Average
5240.000	102.14	103.16	/	/	34.60	9.89	45.51	100	90	Peak
5240.000	92.59	93.61	/	/	34.60	9.89	45.51	100	90	Average
5350.000	54.00	55.06	74.00	-20.00	34.60	9.85	45.51	100	90	Peak
5350.000	47.65	48.71	54.00	-6.35	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.
- 5240MHz: Fundamental frequency.



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VERITAS**

Test Report No.: W7L-P23030016RF03

**802.11ax (40MHz)**

<b>CHANNEL</b>	TX Channel 38	<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	54.49	55.56	74.00	-19.51	34.52	9.92	45.51	100	350	Peak
5150.000	49.45	50.52	54.00	-4.55	34.52	9.92	45.51	100	350	Average
5190.000	95.50	96.55	/	/	34.55	9.91	45.51	100	350	Peak
5190.000	87.97	89.02	/	/	34.55	9.91	45.51	100	350	Average
5350.000	55.07	56.05	74.00	-18.93	34.68	9.85	45.51	100	350	Peak
5350.000	48.21	49.19	54.00	-5.79	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	54.45	55.44	74.00	-19.55	34.60	9.92	45.51	100	350	Peak
5150.000	49.92	50.91	54.00	-4.08	34.60	9.92	45.51	100	350	Average
5190.000	98.49	99.49	/	/	34.60	9.91	45.51	100	350	Peak
5190.000	91.58	92.58	/	/	34.60	9.91	45.51	100	350	Average
5350.000	53.88	54.94	74.00	-20.12	34.60	9.85	45.51	100	350	Peak
5350.000	47.81	48.87	54.00	-6.19	34.60	9.85	45.51	100	350	Average

**REMARKS:**

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



<b>CHANNEL</b>	TX Channel 46	<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	54.40	55.47	74.00	-19.60	34.52	9.92	45.51	100	350	Peak
5150.000	49.63	50.70	54.00	-4.37	34.52	9.92	45.51	100	350	Average
5230.000	94.62	95.66	/	/	34.58	9.89	45.51	100	350	Peak
5230.000	85.79	86.83	/	/	34.58	9.89	45.51	100	350	Average
5350.000	55.18	56.16	74.00	-18.82	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	54.03	55.02	74.00	-19.97	34.60	9.92	45.51	100	90	Peak
5150.000	49.66	50.65	54.00	-4.34	34.60	9.92	45.51	100	90	Average
5230.000	97.79	98.81	/	/	34.60	9.89	45.51	100	90	Peak
5230.000	89.98	91.00	/	/	34.60	9.89	45.51	100	90	Average
5350.000	53.41	54.47	74.00	-20.59	34.60	9.85	45.51	100	90	Peak
5350.000	47.59	48.65	54.00	-6.41	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. 5230MHz: Fundamental frequency.





802.11ax (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150.000	55.66	56.73	74.00	-18.34	34.52	9.92	45.51	100	350	Peak
5150.000	49.97	51.04	54.00	-4.03	34.52	9.92	45.51	100	350	Average
5210.000	91.36	92.40	/	/	34.57	9.90	45.51	100	350	Peak
5210.000	84.11	85.15	/	/	34.57	9.90	45.51	100	350	Average
5350.000	53.14	54.12	74.00	-20.86	34.68	9.85	45.51	100	350	Peak
5350.000	47.61	48.59	54.00	-6.39	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	56.80	57.79	74.00	-17.20	34.60	9.92	45.51	100	90	Peak
5150.000	50.43	51.42	54.00	-3.57	34.60	9.92	45.51	100	90	Average
5210.000	95.34	96.35	/	/	34.60	9.90	45.51	100	90	Peak
5210.000	88.16	89.17	/	/	34.60	9.90	45.51	100	90	Average
5350.000	54.05	55.11	74.00	-19.95	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.
- 5210MHz: Fundamental frequency.



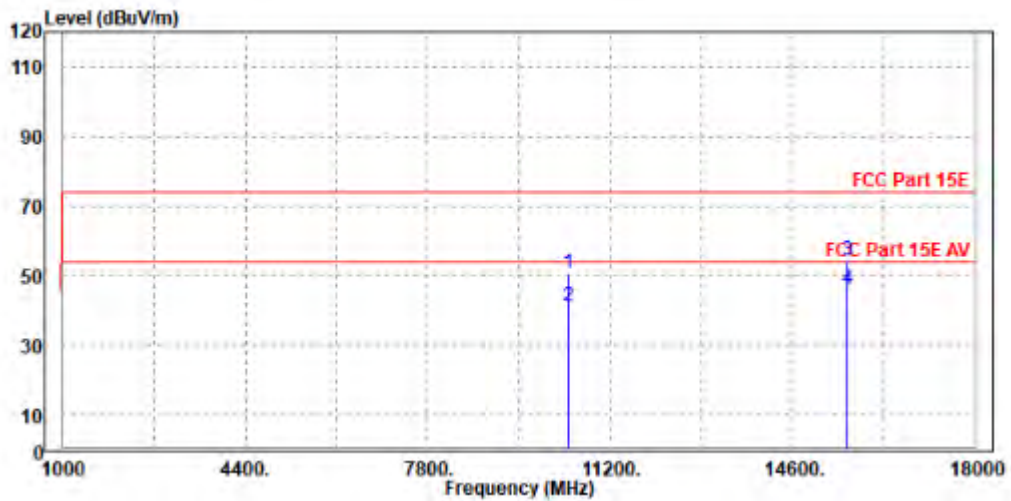
802.11ax (80MHz)

Worst case harmonic:

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

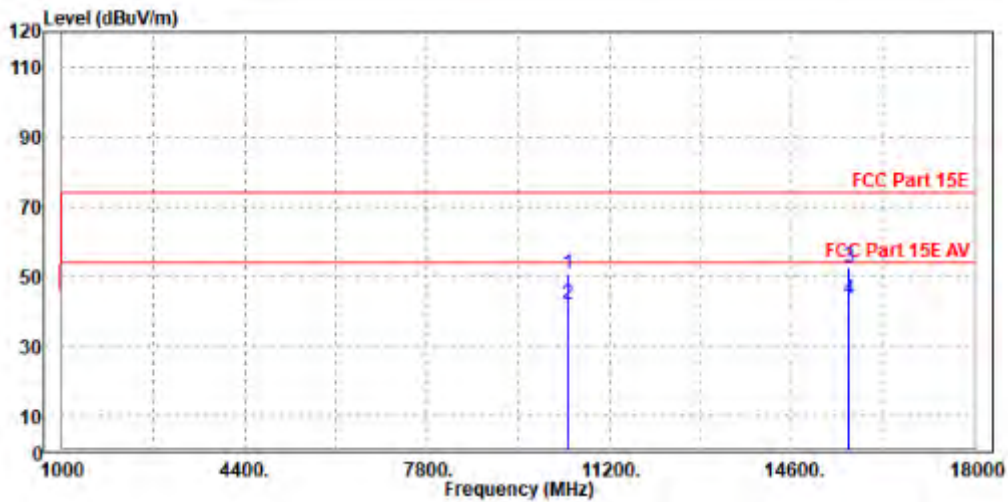
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10418.000	50.49	43.59	74.00	-23.51	6.90	Peak	Horizontal
2	10418.000	41.09	34.19	54.00	-12.91	6.90	Average	Horizontal
3	PK15630.000	54.37	41.27	74.00	-19.63	13.10	Peak	Horizontal
4	PP15630.000	45.92	32.82	54.00	-8.08	13.10	Average	Horizontal





ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	PoI/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10420.000	50.65	42.53	74.00	-23.35	8.12	Peak	Vertical
2	10420.000	41.76	33.64	54.00	-12.24	8.12	Average	Vertical
3	PK15637.000	52.70	40.66	74.00	-21.30	12.04	Peak	Vertical
4	PP15637.000	43.49	31.45	54.00	-10.51	12.04	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.



**5G WIFI-RU**

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

<b>CHANNEL</b>	TX Channel 36	<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	56.74	57.81	74.00	-17.26	34.52	9.92	45.51	100	350	Peak
5150.000	49.51	50.58	54.00	-4.49	34.52	9.92	45.51	100	350	Average
5180.000	97.87	98.93	/	/	34.54	9.91	45.51	100	350	Peak
5180.000	89.35	90.41	/	/	34.54	9.91	45.51	100	350	Average
5350.000	53.86	54.84	74.00	-20.14	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	54.29	55.28	74.00	-19.71	34.60	9.92	45.51	100	265	Peak
5150.000	50.27	51.26	54.00	-3.73	34.60	9.92	45.51	100	265	Average
5180.000	100.94	101.94	/	/	34.60	9.91	45.51	100	265	Peak
5180.000	91.45	92.45	/	/	34.60	9.91	45.51	100	265	Average
5350.000	54.73	55.79	74.00	-19.27	34.60	9.85	45.51	100	265	Peak
5350.000	47.64	48.70	54.00	-6.36	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.
- 5180MHz: Fundamental frequency.



**BUREAU  
VERITAS**

**Test Report No.: W7L-P23030016RF03**

<b>CHANNEL</b>	TX Channel 40	<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	54.90	55.97	74.00	-19.10	34.52	9.92	45.51	100	350	Peak
5150.000	49.64	50.71	54.00	-4.36	34.52	9.92	45.51	100	350	Average
5200.000	97.08	98.13	/	/	34.56	9.90	45.51	100	350	Peak
5200.000	88.40	89.45	/	/	34.56	9.90	45.51	100	350	Average
5350.000	55.94	56.92	74.00	-18.06	34.68	9.85	45.51	100	350	Peak
5350.000	47.72	48.70	54.00	-6.28	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	54.87	55.86	74.00	-19.13	34.60	9.92	45.51	100	265	Peak
5150.000	49.65	50.64	54.00	-4.35	34.60	9.92	45.51	100	265	Average
5200.000	99.50	100.51	/	/	34.60	9.90	45.51	100	265	Peak
5200.000	90.92	91.93	/	/	34.60	9.90	45.51	100	265	Average
5350.000	53.64	54.70	74.00	-20.36	34.60	9.85	45.51	100	265	Peak
5350.000	47.55	48.61	54.00	-6.45	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. 5200MHz: Fundamental frequency.



<b>CHANNEL</b>	TX Channel 48	<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	55.87	56.94	74.00	-18.13	34.52	9.92	45.51	100	350	Peak
5150.000	50.16	51.23	54.00	-3.84	34.52	9.92	45.51	100	350	Average
5240.000	97.34	98.37	/	/	34.59	9.89	45.51	100	350	Peak
5240.000	88.11	89.14	/	/	34.59	9.89	45.51	100	350	Average
5350.000	53.88	54.86	74.00	-20.12	34.68	9.85	45.51	100	350	Peak
5350.000	48.86	49.84	54.00	-5.14	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	55.37	56.36	74.00	-18.63	34.60	9.92	45.51	100	265	Peak
5150.000	50.35	51.34	54.00	-3.65	34.60	9.92	45.51	100	265	Average
5240.000	100.81	101.83	/	/	34.60	9.89	45.51	100	265	Peak
5240.000	91.02	92.04	/	/	34.60	9.89	45.51	100	265	Average
5350.000	54.60	55.66	74.00	-19.40	34.60	9.85	45.51	100	265	Peak
5350.000	48.30	49.36	54.00	-5.70	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.
- 5240MHz: Fundamental frequency.



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
5150.000	56.88	57.95	74.00	-17.12	34.52	9.92	45.51	100	358	Peak
5150.000	50.58	51.65	54.00	-3.42	34.52	9.92	45.51	100	358	Average
5190.000	94.28	95.33	/	/	34.55	9.91	45.51	100	358	Peak
5190.000	85.21	86.26	/	/	34.55	9.91	45.51	100	358	Average
5350.000	53.34	54.32	74.00	-20.66	34.68	9.85	45.51	100	358	Peak
5350.000	47.71	48.69	54.00	-6.29	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	55.72	56.71	74.00	-18.28	34.60	9.92	45.51	100	265	Peak
5150.000	50.05	51.04	54.00	-3.95	34.60	9.92	45.51	100	265	Average
5190.000	96.52	97.52	/	/	34.60	9.91	45.51	100	265	Peak
5190.000	87.81	88.81	/	/	34.60	9.91	45.51	100	265	Average
5350.000	53.59	54.65	74.00	-20.41	34.60	9.85	45.51	100	265	Peak
5350.000	48.14	49.20	54.00	-5.86	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.
- 5190MHz: Fundamental frequency.



<b>CHANNEL</b>	TX Channel 46	<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	55.69	56.76	74.00	-18.31	34.52	9.92	45.51	100	358	Peak
5150.000	50.08	51.15	54.00	-3.92	34.52	9.92	45.51	100	358	Average
5230.000	92.83	93.87	/	/	34.58	9.89	45.51	100	358	Peak
5230.000	84.96	86.00	/	/	34.58	9.89	45.51	100	358	Average
5350.000	54.08	55.06	74.00	-19.92	34.68	9.85	45.51	100	358	Peak
5350.000	48.21	49.19	54.00	-5.79	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	55.57	56.56	74.00	-18.43	34.60	9.92	45.51	100	265	Peak
5150.000	50.32	51.31	54.00	-3.68	34.60	9.92	45.51	100	265	Average
5230.000	95.25	96.27	/	/	34.60	9.89	45.51	100	265	Peak
5230.000	87.23	88.25	/	/	34.60	9.89	45.51	100	265	Average
5350.000	53.99	55.05	74.00	-20.01	34.60	9.85	45.51	100	265	Peak
5350.000	47.85	48.91	54.00	-6.15	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. 5230MHz: Fundamental frequency.





**802.11ax (80MHz) (RU996):**

<b>CHANNEL</b>	TX Channel 42	<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>										
<b>FREQ. (MHz)</b>	<b>EMISSION LEVEL (dBuV/m)</b>	<b>READ LEVEL (dBuV)</b>	<b>LIMIT (dBuV/m)</b>	<b>MARGIN (dB)</b>	<b>ANTENNA FACTOR (dB /m)</b>	<b>CABLE LOSS (dB)</b>	<b>PREAMP FACTOR (dB)</b>	<b>ANTENNA HEIGHT (cm)</b>	<b>TABLE ANGLE (Degree)</b>	<b>REMARK</b>
5150.000	55.30	56.37	74.00	-18.70	34.52	9.92	45.51	100	358	Peak
5150.000	49.89	50.96	54.00	-4.11	34.52	9.92	45.51	100	358	Average
5210.000	89.58	90.62	/	/	34.57	9.90	45.51	100	358	Peak
5210.000	81.74	82.78	/	/	34.57	9.90	45.51	100	358	Average
5350.000	54.04	55.02	74.00	-19.96	34.68	9.85	45.51	100	358	Peak
5350.000	48.35	49.33	54.00	-5.65	34.68	9.85	45.51	100	358	Average

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>										
<b>FREQ. (MHz)</b>	<b>EMISSION LEVEL (dBuV/m)</b>	<b>READ LEVEL (dBuV)</b>	<b>LIMIT (dBuV/m)</b>	<b>MARGIN (dB)</b>	<b>ANTENNA FACTOR (dB /m)</b>	<b>CABLE LOSS (dB)</b>	<b>PREAMP FACTOR (dB)</b>	<b>ANTENNA HEIGHT (cm)</b>	<b>TABLE ANGLE (Degree)</b>	<b>REMARK</b>
5150.000	54.55	55.54	74.00	-19.45	34.60	9.92	45.51	100	265	Peak
5150.000	50.36	51.35	54.00	-3.64	34.60	9.92	45.51	100	265	Average
5210.000	92.17	93.18	/	/	34.60	9.90	45.51	100	265	Peak
5210.000	84.28	85.29	/	/	34.60	9.90	45.51	100	265	Average
5350.000	53.65	54.71	74.00	-20.35	34.60	9.85	45.51	100	265	Peak
5350.000	48.04	49.10	54.00	-5.96	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. 5210MHz: Fundamental frequency.



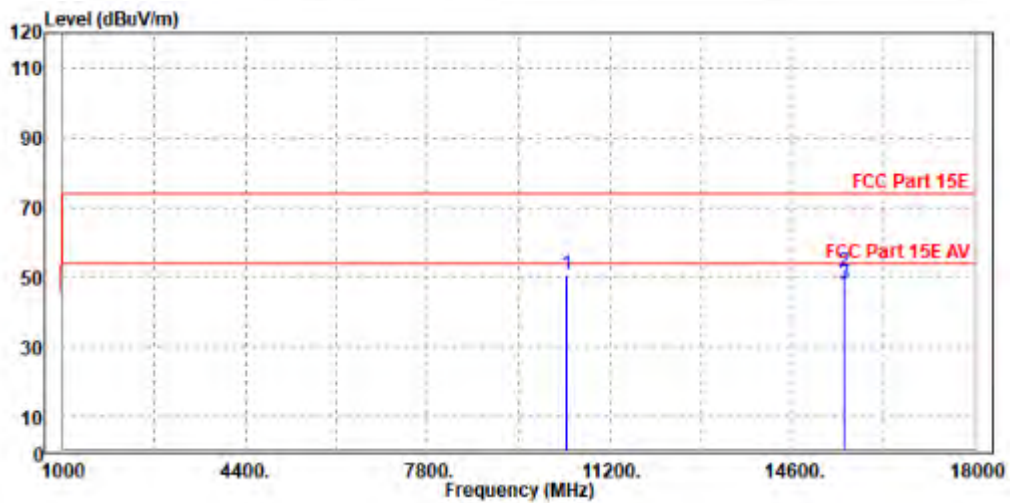
802.11ax (40MHz) (RU484):

Worst case harmonic:

<b>CHANNEL</b>	TX Channel 38	<b>DETECTOR FUNCTION</b>	Peak (PK)
<b>FREQUENCY RANGE</b>	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

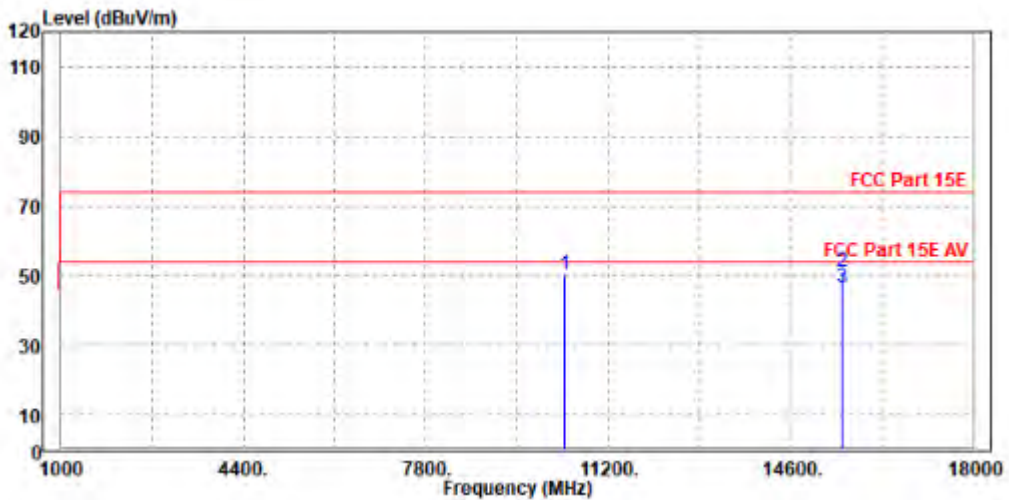
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10380.000	50.53	43.65	74.00	-23.47	6.88	Peak	Horizontal
2	PK15569.000	51.78	38.93	74.00	-22.22	12.85	Peak	Horizontal
3	PP15569.000	47.77	34.92	54.00	-6.23	12.85	Average	Horizontal





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	10384.000	50.41	42.38	74.00	-23.59	8.03	Peak	Vertical
2	PK15570.000	51.00	39.14	74.00	-23.00	11.86	Peak	Vertical
3	PP15570.000	46.61	34.75	54.00	-7.39	11.86	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 5190MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



**Band 2  
802.11a**

<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	55.54	56.61	74.00	-18.46	34.52	9.92	45.51	100	350	Peak
5150.000	49.38	50.45	54.00	-4.62	34.52	9.92	45.51	100	350	Average
5260.000	99.23	100.25	/	/	34.61	9.88	45.51	100	350	Peak
5260.000	93.09	94.11	/	/	34.61	9.88	45.51	100	350	Average
5350.000	54.91	55.89	74.00	-19.09	34.68	9.85	45.51	100	350	Peak
5350.000	48.14	49.12	54.00	-5.86	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	56.13	57.12	74.00	-17.87	34.60	9.92	45.51	100	90	Peak
5150.000	49.80	50.79	54.00	-4.20	34.60	9.92	45.51	100	90	Average
5260.000	104.03	105.06	/	/	34.60	9.88	45.51	100	90	Peak
5260.000	97.38	98.41	/	/	34.60	9.88	45.51	100	90	Average
5350.000	53.24	54.30	74.00	-20.76	34.60	9.85	45.51	100	90	Peak
5350.000	47.75	48.81	54.00	-6.25	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	54.26	55.33	74.00	-19.74	34.52	9.92	45.51	100	350	Peak
5150.000	49.24	50.31	54.00	-4.76	34.52	9.92	45.51	100	350	Average
5300.000	98.81	99.81	/	/	34.64	9.87	45.51	100	350	Peak
5300.000	93.12	94.12	/	/	34.64	9.87	45.51	100	350	Average
5350.000	53.85	54.83	74.00	-20.15	34.68	9.85	45.51	100	350	Peak
5350.000	48.86	49.84	54.00	-5.14	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	56.02	57.01	74.00	-17.98	34.60	9.92	45.51	100	90	Peak
5150.000	49.46	50.45	54.00	-4.54	34.60	9.92	45.51	100	90	Average
5300.000	104.47	105.51	/	/	34.60	9.87	45.51	100	90	Peak
5300.000	97.68	98.72	/	/	34.60	9.87	45.51	100	90	Average
5350.000	53.47	54.53	74.00	-20.53	34.60	9.85	45.51	100	90	Peak
5350.000	47.62	48.68	54.00	-6.38	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.



<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	55.85	56.92	74.00	-18.15	34.52	9.92	45.51	100	100	Peak
5150.000	49.88	50.95	54.00	-4.12	34.52	9.92	45.51	100	100	Average
5320.000	99.06	100.05	/	/	34.66	9.86	45.51	100	100	Peak
5320.000	92.83	93.82	/	/	34.66	9.86	45.51	100	100	Average
5350.000	54.83	55.81	74.00	-19.17	34.68	9.85	45.51	100	100	Peak
5350.000	47.45	48.43	54.00	-6.55	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	55.16	56.15	74.00	-18.84	34.60	9.92	45.51	100	90	Peak
5150.000	49.60	50.59	54.00	-4.40	34.60	9.92	45.51	100	90	Average
5320.000	103.76	104.81	/	/	34.60	9.86	45.51	100	90	Peak
5320.000	97.71	98.76	/	/	34.60	9.86	45.51	100	90	Average
5350.000	53.34	54.40	74.00	-20.66	34.60	9.85	45.51	100	90	Peak
5350.000	47.96	49.02	54.00	-6.04	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 (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	55.55	56.62	74.00	-18.45	34.52	9.92	45.51	100	350	Peak
5150.000	49.53	50.60	54.00	-4.47	34.52	9.92	45.51	100	350	Average
5260.000	98.07	99.09	/	/	34.61	9.88	45.51	100	350	Peak
5260.000	90.77	91.79	/	/	34.61	9.88	45.51	100	350	Average
5350.000	53.54	54.52	74.00	-20.46	34.68	9.85	45.51	100	350	Peak
5350.000	48.27	49.25	54.00	-5.73	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	50.01	51.00	54.00	-3.99	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	95.03	96.06	/	/	34.60	9.88	45.51	100	90	Average
5350.000	53.34	54.40	74.00	-20.66	34.60	9.85	45.51	100	90	Peak
5350.000	47.85	48.91	54.00	-6.15	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.



BUREAU  
VERITAS

Test Report No.: W7L-P23030016RF03

<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	56.14	57.21	74.00	-17.86	34.52	9.92	45.51	100	350	Peak
5150.000	49.84	50.91	54.00	-4.16	34.52	9.92	45.51	100	350	Average
5300.000	97.42	98.42	/	/	34.64	9.87	45.51	100	350	Peak
5300.000	91.18	92.18	/	/	34.64	9.87	45.51	100	350	Average
5350.000	53.90	54.88	74.00	-20.10	34.68	9.85	45.51	100	350	Peak
5350.000	47.73	48.71	54.00	-6.27	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	55.60	56.59	74.00	-18.40	34.60	9.92	45.51	100	90	Peak
5150.000	49.92	50.91	54.00	-4.08	34.60	9.92	45.51	100	90	Average
5300.000	101.97	103.01	/	/	34.60	9.87	45.51	100	90	Peak
5300.000	95.50	96.54	/	/	34.60	9.87	45.51	100	90	Average
5350.000	54.17	55.23	74.00	-19.83	34.60	9.85	45.51	100	90	Peak
5350.000	47.88	48.94	54.00	-6.12	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.