



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:

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
5150.000	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.



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Test Report No.: W7L-P22110036RF03

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
5150.000	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
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	54.55	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.



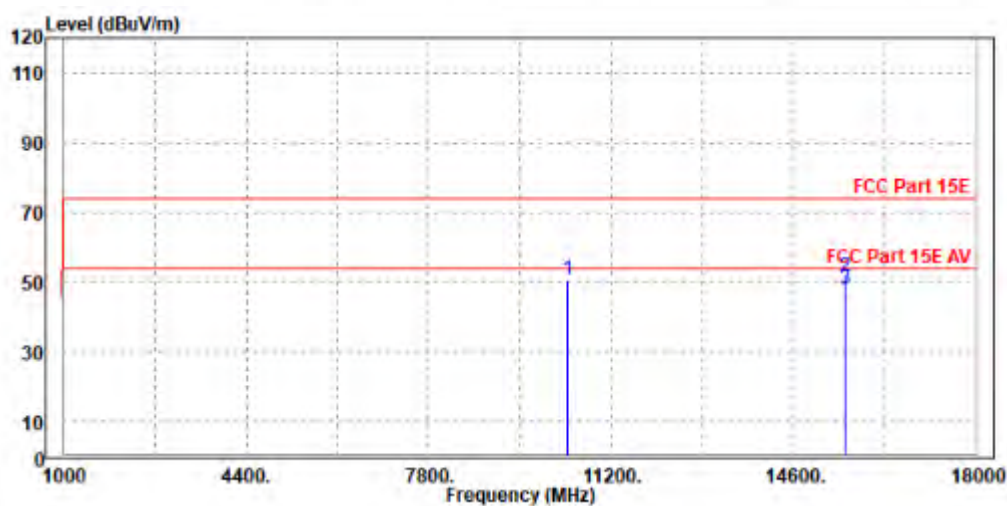
802.11ax (40MHz) (RU484):

Worst case harmonic:

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

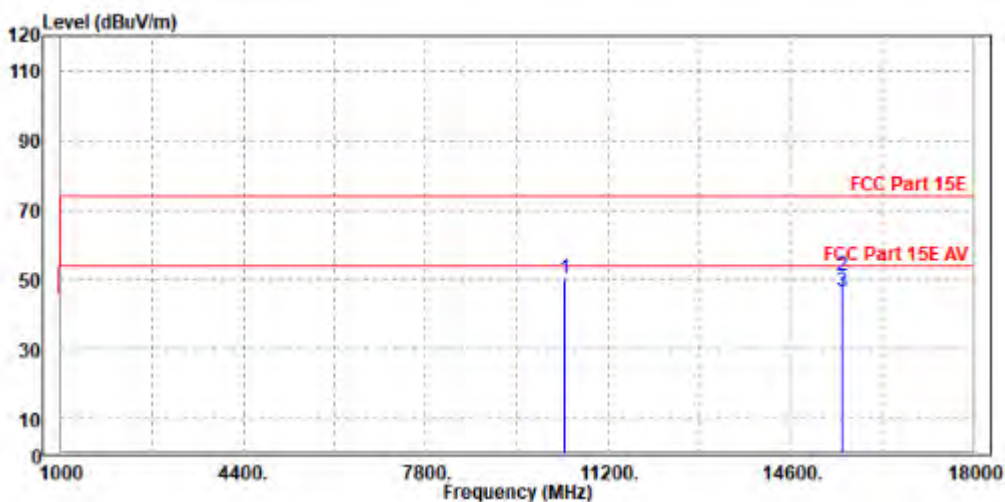
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	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**

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	55.54	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:

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
5150.000	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:

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
5150.000	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.



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Test Report No.: W7L-P22110036RF03

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:

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
5150.000	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.

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
5150.000	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.



**BUREAU
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Test Report No.: W7L-P22110036RF03

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:

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
5150.000	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:

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-P22110036RF03

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:

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
5150.000	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.

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
5150.000	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:

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-P22110036RF03

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:

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
5150.000	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:

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-P22110036RF03

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:

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-P22110036RF03

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:

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
5150.000	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:

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
5150.000	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:

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-P22110036RF03

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:

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
5150.000	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:

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-P22110036RF03

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:

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



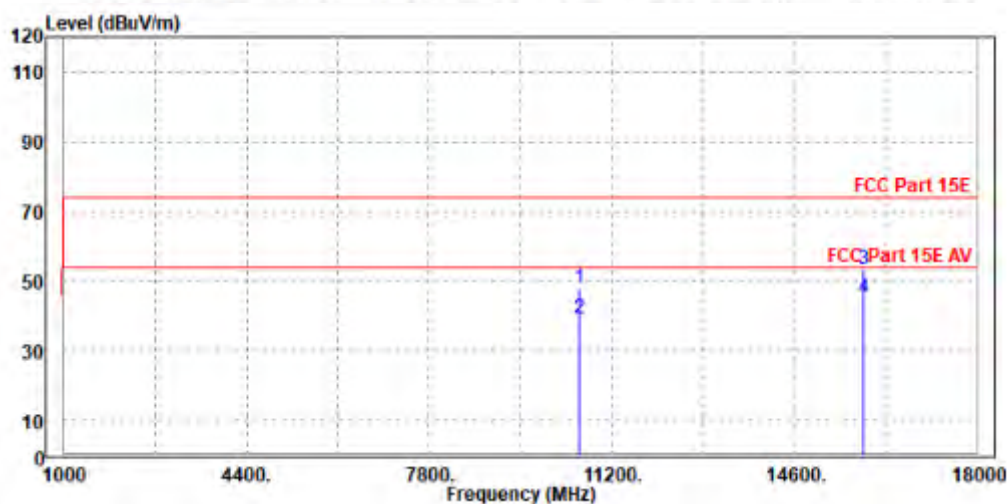
802.11ax (20MHz)

Worst case harmonic:

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

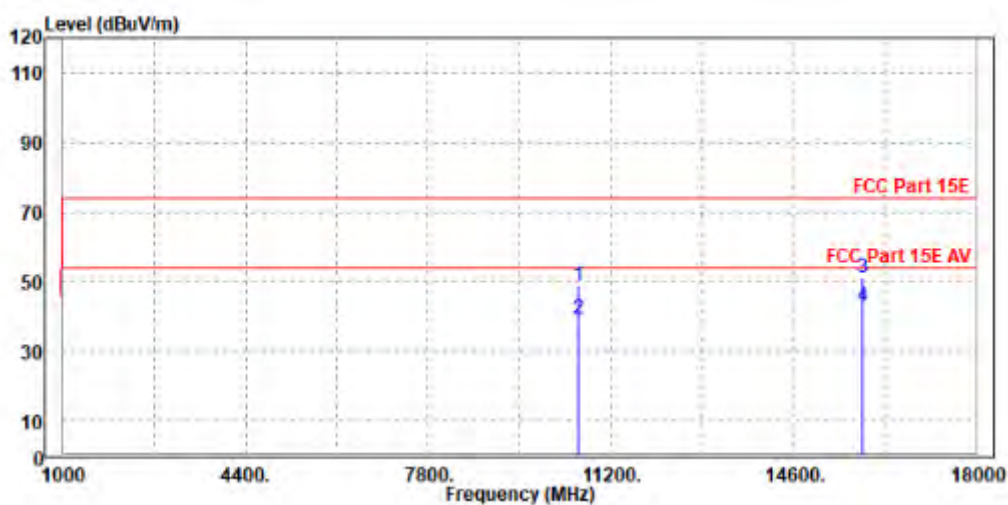
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	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.



Test Report No.: W7L-P22110036RF03

5G WIFI-RU

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
5150.000	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.

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
5150.000	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.

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
5150.000	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.



Test Report No.: W7L-P22110036RF03

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.

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	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.



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Test Report No.: W7L-P22110036RF03

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:

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



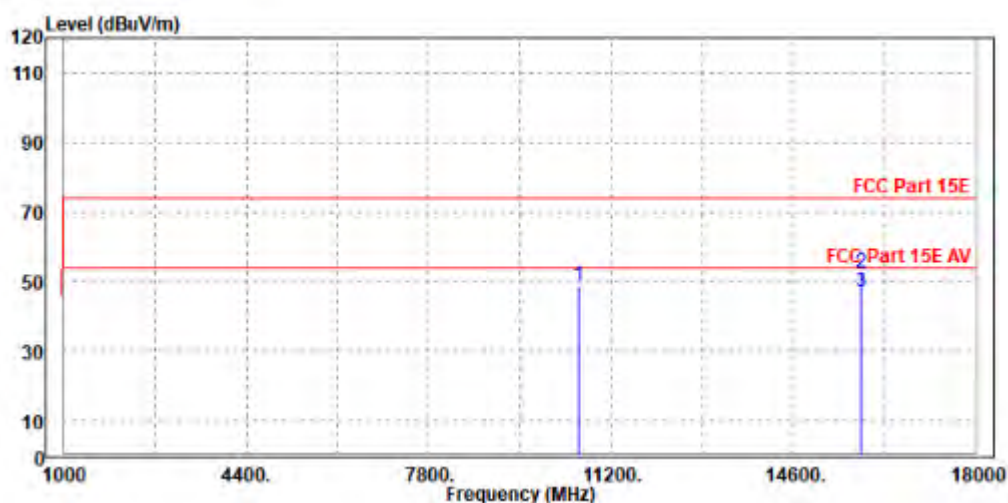
802.11ax (80MHz) (RU996):

Worst case harmonic:

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

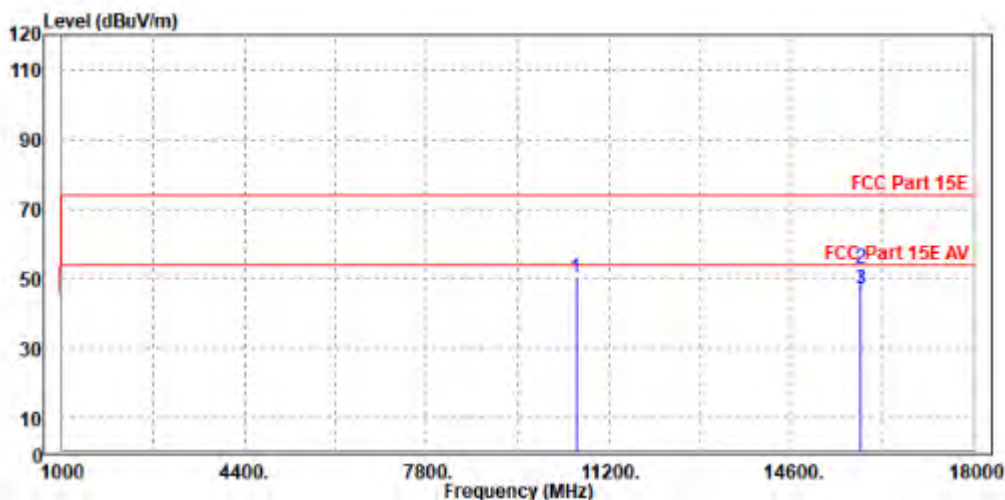
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read	Limit	Over			
	MHz	dBuV/m	Level	Line	Limit	Factor	Remark	Pol/Phase
			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.



Test Report No.: W7L-P22110036RF03

Band 3

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.54	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
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	55.42	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.65	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	103.89	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:

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	53.42	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.



**BUREAU
VERITAS**

Test Report No.: W7L-P22110036RF03

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:

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	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.

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	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:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.95	55.87	68.2	-13.25	34.78	9.81	45.51	100	280	Peak
5720	102.45	103.02	/	/	35.06	9.87	45.5	100	280	Peak
5720	95.43	96	/	/	35.06	9.87	45.5	100	280	Average
5850	54.17	54.53	68.2	-14.03	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	54.82	55.92	68.2	-13.38	34.6	9.81	45.51	100	80	Peak
5720	103.2	103.97	/	/	34.86	9.87	45.5	100	80	Peak
5720	97.47	98.24	/	/	34.86	9.87	45.5	100	80	Average
5850	55.65	56.21	68.2	-12.55	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 (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.7	55.63	74	-19.3	34.77	9.81	45.51	100	275	Peak
5460	48.15	49.08	54	-5.85	34.77	9.81	45.51	100	275	Average
5470	53.14	54.06	68.2	-15.06	34.78	9.81	45.51	100	275	Peak
5510	93.55	94.44	/	/	34.81	9.8	45.5	100	275	Peak
5510	88.62	89.51	/	/	34.81	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	53.04	54.14	74	-20.96	34.6	9.81	45.51	170	265	Peak
5460	47.81	48.91	54	-6.19	34.6	9.81	45.51	170	265	Average
5470	53.81	54.91	68.2	-14.39	34.6	9.81	45.51	170	265	Peak
5510	97.74	98.83	/	/	34.61	9.8	45.5	170	265	Peak
5510	92.35	93.44	/	/	34.61	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. 5510MHz: Fundamental frequency.
3. #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.79	54.72	74	-20.21	34.77	9.81	45.51	100	275	Peak
5460	47.6	48.53	54	-6.4	34.77	9.81	45.51	100	275	Average
5470	54.95	55.87	68.2	-13.25	34.78	9.81	45.51	100	275	Peak
5550	94.26	95.08	/	/	34.86	9.82	45.5	100	275	Peak
5550	89.75	90.57	/	/	34.86	9.82	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	53.33	54.43	74	-20.67	34.6	9.81	45.51	170	265	Peak
5460	48.21	49.31	54	-5.79	34.6	9.81	45.51	170	265	Average
5470	53.56	54.66	68.2	-14.64	34.6	9.81	45.51	170	265	Peak
5550	96.59	97.61	/	/	34.66	9.82	45.5	170	265	Peak
5550	92.41	93.43	/	/	34.66	9.82	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	96.13	96.77	/	/	35	9.86	45.5	100	280	Peak
5670	92.63	93.27	/	/	35	9.86	45.5	100	280	Average
5725	55.31	55.86	68.2	-12.89	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
5670	97.53	98.37	/	/	34.8	9.86	45.5	100	80	Peak
5670	94.08	94.92	/	/	34.8	9.86	45.5	100	80	Average
5725	54.26	55.01	68.2	-13.94	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.
- 5670MHz: Fundamental frequency.
- #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.02	54.94	68.2	-14.18	34.78	9.81	45.51	100	280	Peak
5710	96.52	97.1	/	/	35.05	9.87	45.5	100	280	Peak
5710	92.69	93.27	/	/	35.05	9.87	45.5	100	280	Average
5850	56.91	57.27	68.2	-11.29	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	53.62	54.72	68.2	-14.58	34.6	9.81	45.51	100	80	Peak
5710	99.14	99.92	/	/	34.85	9.87	45.5	100	80	Peak
5710	94.38	95.16	/	/	34.85	9.87	45.5	100	80	Average
5850	55.48	56.04	68.2	-12.72	35.02	9.92	45.5	100	80	Peak

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5710MHz: Fundamental frequency.
3. #: Out of restricted band.



802.11ac (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.82	54.75	74	-20.18	34.77	9.81	45.51	100	275	Peak
5460	47.37	48.3	54	-6.63	34.77	9.81	45.51	100	275	Average
5470	53.83	54.75	68.2	-14.37	34.78	9.81	45.51	100	275	Peak
5500	96.45	97.35	/	/	34.8	9.8	45.5	100	275	Peak
5500	90.1	91	/	/	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	52.94	54.04	74	-21.06	34.6	9.81	45.51	170	265	Peak
5460	47.58	48.68	54	-6.42	34.6	9.81	45.51	170	265	Average
5470	54.86	55.96	68.2	-13.34	34.6	9.81	45.51	170	265	Peak
5500	100.68	101.78	/	/	34.6	9.8	45.5	170	265	Peak
5500	94.54	95.64	/	/	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.19	55.12	74	-19.81	34.77	9.81	45.51	100	275	Peak
5460	47.6	48.53	54	-6.4	34.77	9.81	45.51	100	275	Average
5470	55.39	56.31	68.2	-12.81	34.78	9.81	45.51	100	275	Peak
5580	97.44	98.21	/	/	34.9	9.83	45.5	100	275	Peak
5580	91.58	92.35	/	/	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	53.17	54.27	74	-20.83	34.6	9.81	45.51	170	265	Peak
5460	48.03	49.13	54	-5.97	34.6	9.81	45.51	170	265	Average
5470	53.76	54.86	68.2	-14.44	34.6	9.81	45.51	170	265	Peak
5580	100.84	101.81	/	/	34.7	9.83	45.5	170	265	Peak
5580	94.84	95.81	/	/	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.

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	100.15	100.74	/	/	35.04	9.87	45.5	100	280	Peak
5700	94.28	94.87	/	/	35.04	9.87	45.5	100	280	Average
5725	55.49	56.04	68.2	-12.71	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	102.21	103	/	/	34.84	9.87	45.5	100	80	Peak
5700	95.95	96.74	/	/	34.84	9.87	45.5	100	80	Average
5725	55.6	56.35	68.2	-12.6	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5470	54.29	55.21	68.2	-13.91	34.78	9.81	45.51	100	280	Peak
5720	99.99	100.56	/	/	35.06	9.87	45.5	100	280	Peak
5720	94.19	94.76	/	/	35.06	9.87	45.5	100	280	Average
5850	55.1	55.46	68.2	-13.1	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	53.4	54.5	68.2	-14.8	34.6	9.81	45.51	100	80	Peak
5720	101.94	102.71	/	/	34.86	9.87	45.5	100	80	Peak
5720	95.84	96.61	/	/	34.86	9.87	45.5	100	80	Average
5850	56.57	57.13	68.2	-11.63	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.

802.11ac (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.1	54.03	74	-20.9	34.77	9.81	45.51	100	275	Peak
5460	47.88	48.81	54	-6.12	34.77	9.81	45.51	100	275	Average
5470	52.3	53.22	68.2	-15.9	34.78	9.81	45.51	100	275	Peak
5510	92.43	93.32	/	/	34.81	9.8	45.5	100	275	Peak
5510	88.09	88.98	/	/	34.81	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	53.48	54.58	74	-20.52	34.6	9.81	45.51	170	265	Peak
5460	47.64	48.74	54	-6.36	34.6	9.81	45.51	170	265	Average
5470	54.73	55.83	68.2	-13.47	34.6	9.81	45.51	170	265	Peak
5510	95.62	96.71	/	/	34.61	9.8	45.5	170	265	Peak
5510	91.85	92.94	/	/	34.61	9.8	45.5	170	265	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.91	54.84	74	-20.09	34.77	9.81	45.51	100	275	Peak
5460	48.03	48.96	54	-5.97	34.77	9.81	45.51	100	275	Average
5470	54.44	55.36	68.2	-13.76	34.78	9.81	45.51	100	275	Peak
5550	92.62	93.44	/	/	34.86	9.82	45.5	100	275	Peak
5550	88.68	89.5	/	/	34.86	9.82	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	53.07	54.17	74	-20.93	34.6	9.81	45.51	170	265	Peak
5460	47.72	48.82	54	-6.28	34.6	9.81	45.51	170	265	Average
5470	53.28	54.38	68.2	-14.92	34.6	9.81	45.51	170	265	Peak
5550	96.73	97.75	/	/	34.66	9.82	45.5	170	265	Peak
5550	91.41	92.43	/	/	34.66	9.82	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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	95.24	95.88	/	/	35	9.86	45.5	100	280	Peak
5670	90.88	91.52	/	/	35	9.86	45.5	100	280	Average
5725	57.04	57.59	68.2	-11.16	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
5670	95.84	96.68	/	/	34.8	9.86	45.5	100	80	Peak
5670	92.35	93.19	/	/	34.8	9.86	45.5	100	80	Average
5725	55.06	55.81	68.2	-13.14	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.
- 5670MHz: Fundamental frequency.
- #: Out of restricted band.