

4.1.9 Test Results (Mode 3)

Above 1GHz Data:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	63.1 PK	74.0	-10.9	1.57 H	28	60.1	3.0
2	5150.00	52.2 AV	54.0	-1.8	1.57 H	28	49.2	3.0
3	*5180.00	118.5 PK			1.57 H	28	115.6	2.9
4	*5180.00	109.8 AV			1.57 H	28	106.9	2.9
5	#10360.00	46.2 PK	68.2	-22.0	2.13 H	2	34.2	12.0
6	15540.00	56.9 PK	74.0	-17.1	3.20 H	338	43.9	13.0
7	15540.00	45.5 AV	54.0	-8.5	3.20 H	338	32.5	13.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	62.3 PK	74.0	-11.7	1.50 V	359	59.3	3.0
2	5150.00	51.8 AV	54.0	-2.2	1.50 V	359	48.8	3.0
3	*5180.00	118.9 PK			1.50 V	359	116.0	2.9
4	*5180.00	109.7 AV			1.50 V	359	106.8	2.9
5	#10360.00	46.4 PK	68.2	-21.8	3.04 V	42	34.4	12.0
6	15540.00	65.9 PK	74.0	-8.1	2.71 V	53	52.9	13.0
7	15540.00	52.2 AV	54.0	-1.8	2.71 V	53	39.2	13.0

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.1 PK	74.0	-18.9	2.40 H	200	52.1	3.0
2	5150.00	45.4 AV	54.0	-8.6	2.40 H	200	42.4	3.0
3	*5200.00	118.6 PK			2.40 H	200	115.8	2.8
4	*5200.00	109.8 AV			2.40 H	200	107.0	2.8
5	5350.00	48.8 PK	74.0	-25.2	2.40 H	200	46.2	2.6
6	5350.00	39.8 AV	54.0	-14.2	2.40 H	200	37.2	2.6
7	#10400.00	46.0 PK	68.2	-22.2	3.08 H	18	33.9	12.1
8	15600.00	57.3 PK	74.0	-16.7	3.25 H	343	44.4	12.9
9	15600.00	45.9 AV	54.0	-8.1	3.25 H	343	33.0	12.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	54.3 PK	74.0	-19.7	2.40 V	248	51.3	3.0
2	5150.00	45.1 AV	54.0	-8.9	2.40 V	248	42.1	3.0
3	*5200.00	118.4 PK			2.40 V	248	115.6	2.8
4	*5200.00	110.2 AV			2.40 V	248	107.4	2.8
5	5350.00	47.5 PK	74.0	-26.5	2.40 V	248	44.9	2.6
6	5350.00	39.1 AV	54.0	-14.9	2.40 V	248	36.5	2.6
7	#10400.00	46.0 PK	68.2	-22.2	2.99 V	26	33.9	12.1
8	15600.00	67.2 PK	74.0	-6.8	2.80 V	54	54.3	12.9
9	15600.00	52.5 AV	54.0	-1.5	2.80 V	54	39.6	12.9

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	118.5 PK			1.50 H	26	115.9	2.6
2	*5240.00	109.6 AV			1.50 H	26	107.0	2.6
3	5350.00	52.3 PK	74.0	-21.7	1.50 H	26	49.7	2.6
4	5350.00	41.6 AV	54.0	-12.4	1.50 H	26	39.0	2.6
5	#10480.00	45.6 PK	68.2	-22.6	3.11 H	13	33.1	12.5
6	15720.00	56.9 PK	74.0	-17.1	3.29 H	355	44.7	12.2
7	15720.00	45.7 AV	54.0	-8.3	3.29 H	355	33.5	12.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	118.1 PK			2.05 V	240	115.5	2.6
2	*5240.00	109.5 AV			2.05 V	240	106.9	2.6
3	5350.00	52.1 PK	74.0	-21.9	2.05 V	240	49.5	2.6
4	5350.00	40.9 AV	54.0	-13.1	2.05 V	240	38.3	2.6
5	#10480.00	46.5 PK	68.2	-21.7	2.95 V	29	34.0	12.5
6	15720.00	65.4 PK	74.0	-8.6	2.98 V	54	53.2	12.2
7	15720.00	53.3 AV	54.0	-0.7	2.98 V	54	41.1	12.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5619.24	53.8 PK	68.2	-14.4	1.49 H	154	50.5	3.3
2	*5745.00	116.2 PK			1.49 H	154	112.9	3.3
3	*5745.00	107.5 AV			1.49 H	154	104.2	3.3
4	#5983.53	53.4 PK	68.2	-14.8	1.49 H	154	49.3	4.1
5	11490.00	46.1 PK	74.0	-27.9	3.20 H	32	33.5	12.6
6	11490.00	35.7 AV	54.0	-18.3	3.20 H	32	23.1	12.6
7	#17235.00	59.6 PK	68.2	-8.6	3.45 H	335	42.8	16.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5608.81	61.7 PK	68.2	-6.5	3.11 V	188	58.4	3.3
2	*5745.00	117.1 PK			3.11 V	188	113.8	3.3
3	*5745.00	108.3 AV			3.11 V	188	105.0	3.3
4	#5936.46	60.5 PK	68.2	-7.7	3.11 V	188	56.3	4.2
5	11490.00	45.9 PK	74.0	-28.1	2.89 V	8	33.3	12.6
6	11490.00	35.6 AV	54.0	-18.4	2.89 V	8	23.0	12.6
7	#17235.00	67.8 PK	68.2	-0.4	2.93 V	359	51.0	16.8

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5583.78	62.4 PK	68.2	-5.8	2.33 H	167	59.1	3.3
2	*5785.00	116.1 PK			2.33 H	167	112.7	3.4
3	*5785.00	107.1 AV			2.33 H	167	103.7	3.4
4	#5978.33	62.2 PK	68.2	-6.0	2.33 H	167	58.1	4.1
5	11570.00	46.5 PK	74.0	-27.5	3.25 H	24	34.3	12.2
6	11570.00	36.1 AV	54.0	-17.9	3.25 H	24	23.9	12.2
7	#17355.00	59.8 PK	68.2	-8.4	3.41 H	347	43.2	16.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5568.45	61.6 PK	68.2	-6.6	2.31 V	187	58.3	3.3
2	*5785.00	117.8 PK			2.31 V	187	114.4	3.4
3	*5785.00	109.5 AV			2.31 V	187	106.1	3.4
4	#6007.88	61.0 PK	68.2	-7.2	2.31 V	187	56.9	4.1
5	11570.00	46.0 PK	74.0	-28.0	2.86 V	2	33.8	12.2
6	11570.00	35.4 AV	54.0	-18.6	2.86 V	2	23.2	12.2
7	#17355.00	67.9 PK	68.2	-0.3	3.20 V	358	51.3	16.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5567.50	61.3 PK	68.2	-6.9	2.28 H	202	58.0	3.3
2	*5825.00	116.8 PK			2.28 H	202	113.2	3.6
3	*5825.00	107.7 AV			2.28 H	202	104.1	3.6
4	#5975.31	61.7 PK	68.2	-6.5	2.28 H	202	57.6	4.1
5	11650.00	46.5 PK	74.0	-27.5	3.22 H	40	34.1	12.4
6	11650.00	36.0 AV	54.0	-18.0	3.22 H	40	23.6	12.4
7	#17475.00	60.0 PK	68.2	-8.2	3.45 H	337	43.0	17.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5568.28	61.5 PK	68.2	-6.7	2.36 V	176	58.2	3.3
2	*5825.00	117.6 PK			2.36 V	176	114.0	3.6
3	*5825.00	108.3 AV			2.36 V	176	104.7	3.6
4	#5970.42	61.6 PK	68.2	-6.6	2.36 V	176	57.4	4.2
5	11650.00	46.5 PK	74.0	-27.5	3.25 V	316	34.1	12.4
6	11650.00	35.8 AV	54.0	-18.2	3.25 V	316	23.4	12.4
7	#17475.00	67.6 PK	68.2	-0.6	3.26 V	347	50.6	17.0

REMARKS:

- Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " * ": Fundamental frequency.
- " # ": The radiated frequency is out of the restricted band.

802.11ax (HE20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	70.1 PK	74.0	-3.9	2.49 H	198	67.1	3.0
2	5150.00	53.6 AV	54.0	-0.4	2.49 H	198	50.6	3.0
3	*5180.00	120.1 PK			2.49 H	198	117.2	2.9
4	*5180.00	108.5 AV			2.49 H	198	105.6	2.9
5	#10360.00	46.8 PK	68.2	-21.4	3.20 H	29	34.8	12.0
6	15540.00	59.8 PK	74.0	-14.2	3.48 H	324	46.8	13.0
7	15540.00	47.7 AV	54.0	-6.3	3.48 H	324	34.7	13.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	69.8 PK	74.0	-4.2	3.02 V	245	66.8	3.0
2	5150.00	52.7 AV	54.0	-1.3	3.02 V	245	49.7	3.0
3	*5180.00	121.2 PK			3.02 V	245	118.3	2.9
4	*5180.00	107.9 AV			3.02 V	245	105.0	2.9
5	#10360.00	46.3 PK	68.2	-21.9	2.82 V	126	34.3	12.0
6	15540.00	63.9 PK	74.0	-10.1	3.60 V	58	50.9	13.0
7	15540.00	53.7 AV	54.0	-0.3	3.60 V	58	40.7	13.0

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	121.1 PK			2.38 H	198	118.3	2.8
2	*5200.00	109.9 AV			2.38 H	198	107.1	2.8
3	#10400.00	47.3 PK	68.2	-20.9	3.24 H	30	35.2	12.1
4	15600.00	60.0 PK	74.0	-14.0	3.47 H	328	47.1	12.9
5	15600.00	47.6 AV	54.0	-6.4	3.47 H	328	34.7	12.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	120.7 PK			2.42 V	334	117.9	2.8
2	*5200.00	109.1 AV			2.42 V	334	106.3	2.8
3	#10400.00	46.4 PK	68.2	-21.8	2.80 V	118	34.3	12.1
4	15600.00	65.5 PK	74.0	-8.5	3.61 V	60	52.6	12.9
5	15600.00	53.4 AV	54.0	-0.6	3.61 V	60	40.5	12.9

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	119.9 PK			1.49 H	172	117.3	2.6
2	*5240.00	109.5 AV			1.49 H	172	106.9	2.6
3	5350.00	52.5 PK	74.0	-21.5	1.49 H	172	49.9	2.6
4	5350.00	41.5 AV	54.0	-12.5	1.49 H	172	38.9	2.6
5	#10480.00	47.4 PK	68.2	-20.8	3.30 H	42	34.9	12.5
6	15720.00	59.9 PK	74.0	-14.1	3.42 H	334	47.7	12.2
7	15720.00	47.7 AV	54.0	-6.3	3.42 H	334	35.5	12.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	119.2 PK			1.56 V	186	116.6	2.6
2	*5240.00	109.1 AV			1.56 V	186	106.5	2.6
3	5350.00	52.1 PK	74.0	-21.9	1.56 V	186	49.5	2.6
4	5350.00	40.7 AV	54.0	-13.3	1.56 V	186	38.1	2.6
5	#10480.00	46.3 PK	68.2	-21.9	2.81 V	107	33.8	12.5
6	15720.00	63.3 PK	74.0	-10.7	2.07 V	160	51.1	12.2
7	15720.00	53.6 AV	54.0	-0.4	2.07 V	160	41.4	12.2

REMARKS:

- Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " * ": Fundamental frequency.
- " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5616.63	61.5 PK	68.2	-6.7	2.63 H	171	58.2	3.3
2	*5745.00	121.3 PK			2.63 H	171	118.0	3.3
3	*5745.00	108.3 AV			2.63 H	171	105.0	3.3
4	#5967.47	61.4 PK	68.2	-6.8	2.63 H	171	57.2	4.2
5	11490.00	48.7 PK	74.0	-25.3	3.44 H	43	36.1	12.6
6	11490.00	37.1 AV	54.0	-16.9	3.44 H	43	24.5	12.6
7	#17235.00	59.1 PK	68.2	-9.1	3.43 H	344	42.3	16.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5642.47	61.9 PK	68.2	-6.3	1.80 V	195	58.6	3.3
2	*5745.00	120.1 PK			2.72 V	342	116.8	3.3
3	*5745.00	108.1 AV			2.72 V	342	104.8	3.3
4	#5927.44	60.4 PK	68.2	-7.8	1.80 V	195	56.3	4.1
5	11490.00	46.9 PK	74.0	-27.1	2.80 V	73	34.3	12.6
6	11490.00	36.1 AV	54.0	-17.9	2.80 V	73	23.5	12.6
7	#17235.00	67.9 PK	68.2	-0.3	1.74 V	164	51.1	16.8

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5558.55	62.0 PK	68.2	-6.2	2.19 H	168	58.7	3.3
2	*5785.00	121.3 PK			2.19 H	168	117.9	3.4
3	*5785.00	108.9 AV			2.19 H	168	105.5	3.4
4	#5975.80	61.4 PK	68.2	-6.8	2.19 H	168	57.3	4.1
5	11570.00	48.3 PK	74.0	-25.7	3.45 H	52	36.1	12.2
6	11570.00	36.7 AV	54.0	-17.3	3.45 H	52	24.5	12.2
7	#17355.00	59.3 PK	68.2	-8.9	3.49 H	331	42.7	16.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5614.39	61.3 PK	68.2	-6.9	2.49 V	186	58.0	3.3
2	*5785.00	120.5 PK			1.80 V	195	117.1	3.4
3	*5785.00	108.7 AV			1.80 V	195	105.3	3.4
4	#5937.36	61.2 PK	68.2	-7.0	2.49 V	186	57.0	4.2
5	11570.00	47.2 PK	74.0	-26.8	2.83 V	72	35.0	12.2
6	11570.00	36.4 AV	54.0	-17.6	2.83 V	72	24.2	12.2
7	#17355.00	67.8 PK	68.2	-0.4	2.46 V	194	51.2	16.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5567.42	61.6 PK	68.2	-6.6	2.04 H	159	58.3	3.3
2	*5825.00	121.2 PK			2.04 H	159	117.6	3.6
3	*5825.00	109.5 AV			2.04 H	159	105.9	3.6
4	#5964.94	61.8 PK	68.2	-6.4	2.04 H	159	57.6	4.2
5	11650.00	47.7 PK	74.0	-26.3	3.50 H	47	35.3	12.4
6	11650.00	36.3 AV	54.0	-17.7	3.50 H	47	23.9	12.4
7	#17475.00	59.3 PK	68.2	-8.9	3.49 H	328	42.3	17.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5556.72	62.3 PK	68.2	-5.9	2.80 V	187	59.0	3.3
2	*5825.00	120.1 PK			2.80 V	187	116.5	3.6
3	*5825.00	109.5 AV			2.80 V	187	105.9	3.6
4	#5970.97	62.2 PK	68.2	-6.0	2.80 V	187	58.0	4.2
5	11650.00	47.6 PK	74.0	-26.4	2.78 V	85	35.2	12.4
6	11650.00	36.5 AV	54.0	-17.5	2.78 V	85	24.1	12.4
7	#17475.00	68.0 PK	68.2	-0.2	1.71 V	198	51.0	17.0

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	67.4 PK	74.0	-6.6	2.82 H	174	64.4	3.0
2	5150.00	53.8 AV	54.0	-0.2	2.82 H	174	50.8	3.0
3	*5190.00	115.9 PK			2.82 H	174	113.0	2.9
4	*5190.00	104.6 AV			2.82 H	174	101.7	2.9
5	#10380.00	46.4 PK	68.2	-21.8	3.55 H	49	34.2	12.2
6	15570.00	58.4 PK	74.0	-15.6	3.43 H	338	45.4	13.0
7	15570.00	45.9 AV	54.0	-8.1	3.43 H	338	32.9	13.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	67.1 PK	74.0	-6.9	2.86 V	177	64.1	3.0
2	5150.00	53.2 AV	54.0	-0.8	2.86 V	177	50.2	3.0
3	*5190.00	115.2 PK			2.86 V	177	112.3	2.9
4	*5190.00	104.1 AV			2.86 V	177	101.2	2.9
5	#10380.00	46.6 PK	68.2	-21.6	1.26 V	10	34.4	12.2
6	15570.00	62.4 PK	74.0	-11.6	3.61 V	60	49.4	13.0
7	15570.00	52.6 AV	54.0	-1.4	3.61 V	60	39.6	13.0

REMARKS:

- Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " * ": Fundamental frequency.
- " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	117.3 PK			2.79 H	184	114.7	2.6
2	*5230.00	107.2 AV			2.79 H	184	104.6	2.6
3	5350.00	55.9 PK	74.0	-18.1	2.79 H	184	53.3	2.6
4	5350.00	44.6 AV	54.0	-9.4	2.79 H	184	42.0	2.6
5	#10460.00	47.4 PK	68.2	-20.8	3.54 H	43	35.0	12.4
6	15690.00	59.3 PK	74.0	-14.7	3.42 H	343	46.9	12.4
7	15690.00	47.1 AV	54.0	-6.9	3.42 H	343	34.7	12.4

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	117.1 PK			3.02 V	224	114.5	2.6
2	*5230.00	106.5 AV			3.02 V	224	103.9	2.6
3	5350.00	55.3 PK	74.0	-18.7	3.02 V	224	52.7	2.6
4	5350.00	44.2 AV	54.0	-9.8	3.02 V	224	41.6	2.6
5	#10460.00	46.9 PK	68.2	-21.3	2.04 V	306	34.5	12.4
6	15690.00	65.9 PK	74.0	-8.1	3.16 V	56	53.5	12.4
7	15690.00	53.5 AV	54.0	-0.5	3.16 V	56	41.1	12.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5623.04	61.8 PK	68.2	-6.4	2.28 H	157	58.5	3.3
2	*5755.00	116.2 PK			2.28 H	157	112.9	3.3
3	*5755.00	105.2 AV			2.28 H	157	101.9	3.3
4	#5940.03	61.1 PK	68.2	-7.1	2.28 H	157	56.9	4.2
5	11510.00	50.8 PK	74.0	-23.2	3.17 H	57	38.3	12.5
6	11510.00	39.7 AV	54.0	-14.3	3.17 H	57	27.2	12.5
7	#17265.00	59.5 PK	68.2	-8.7	3.11 H	317	42.9	16.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5607.56	62.1 PK	68.2	-6.1	2.46 V	186	58.8	3.3
2	*5755.00	117.4 PK			2.46 V	186	114.1	3.3
3	*5755.00	106.7 AV			2.46 V	186	103.4	3.3
4	#5968.58	61.9 PK	68.2	-6.3	2.46 V	186	57.7	4.2
5	11510.00	49.5 PK	74.0	-24.5	1.11 V	12	37.0	12.5
6	11510.00	37.9 AV	54.0	-16.1	1.11 V	12	25.4	12.5
7	#17265.00	67.7 PK	68.2	-0.5	1.72 V	175	51.1	16.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5583.18	60.4 PK	68.2	-7.8	1.96 H	200	57.1	3.3
2	*5795.00	115.6 PK			1.96 H	200	112.1	3.5
3	*5795.00	105.8 AV			1.96 H	200	102.3	3.5
4	#5996.39	60.9 PK	68.2	-7.3	1.96 H	200	56.8	4.1
5	11590.00	50.7 PK	74.0	-23.3	3.13 H	64	38.4	12.3
6	11590.00	39.6 AV	54.0	-14.4	3.13 H	64	27.3	12.3
7	#17385.00	59.7 PK	68.2	-8.5	3.11 H	322	43.2	16.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5600.48	62.0 PK	68.2	-6.2	2.44 V	186	58.7	3.3
2	*5795.00	117.8 PK			2.44 V	186	114.3	3.5
3	*5795.00	107.2 AV			2.44 V	186	103.7	3.5
4	#5940.14	61.3 PK	68.2	-6.9	2.44 V	186	57.1	4.2
5	11590.00	48.7 PK	74.0	-25.3	1.13 V	26	36.4	12.3
6	11590.00	37.4 AV	54.0	-16.6	1.13 V	26	25.1	12.3
7	#17385.00	67.9 PK	68.2	-0.3	1.68 V	165	51.4	16.5

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	68.1 PK	74.0	-5.9	2.39 H	193	65.1	3.0
2	5150.00	53.1 AV	54.0	-0.9	2.39 H	193	50.1	3.0
3	*5210.00	109.5 PK			2.39 H	193	106.8	2.7
4	*5210.00	101.1 AV			2.39 H	193	98.4	2.7
5	5350.00	51.8 PK	74.0	-22.2	2.39 H	193	49.2	2.6
6	5350.00	40.7 AV	54.0	-13.3	2.39 H	193	38.1	2.6
7	#10420.00	48.1 PK	68.2	-20.1	3.11 H	55	35.8	12.3
8	15630.00	56.9 PK	74.0	-17.1	3.06 H	327	44.2	12.7
9	15630.00	44.0 AV	54.0	-10.0	3.06 H	327	31.3	12.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	67.8 PK	74.0	-6.2	2.42 V	306	64.8	3.0
2	5150.00	52.9 AV	54.0	-1.1	2.42 V	306	49.9	3.0
3	*5210.00	109.2 PK			2.42 V	306	106.5	2.7
4	*5210.00	100.2 AV			2.42 V	306	97.5	2.7
5	5350.00	52.2 PK	74.0	-21.8	2.42 V	306	49.6	2.6
6	5350.00	42.6 AV	54.0	-11.4	2.42 V	306	40.0	2.6
7	#10420.00	45.4 PK	68.2	-22.8	1.15 V	31	33.1	12.3
8	15630.00	59.3 PK	74.0	-14.7	3.09 V	167	46.6	12.7
9	15630.00	50.2 AV	54.0	-3.8	3.09 V	167	37.5	12.7

REMARKS:

- Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " * ": Fundamental frequency.
- " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5648.40	66.8 PK	68.2	-1.4	2.86 H	196	63.5	3.3
2	*5775.00	114.2 PK			2.86 H	196	110.8	3.4
3	*5775.00	103.1 AV			2.86 H	196	99.7	3.4
4	#5931.08	63.9 PK	68.2	-4.3	2.86 H	196	59.8	4.1
5	11550.00	51.0 PK	74.0	-23.0	3.17 H	59	38.6	12.4
6	11550.00	39.8 AV	54.0	-14.2	3.17 H	59	27.4	12.4
7	#17325.00	60.3 PK	68.2	-7.9	3.01 H	346	43.6	16.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5651.61	68.2 PK	69.4	-1.2	1.89 V	200	64.9	3.3
2	*5775.00	115.1 PK			1.89 V	200	111.7	3.4
3	*5775.00	104.1 AV			1.89 V	200	100.7	3.4
4	#5930.46	66.8 PK	68.2	-1.4	1.89 V	200	62.7	4.1
5	11550.00	49.7 PK	74.0	-24.3	1.07 V	18	37.3	12.4
6	11550.00	38.5 AV	54.0	-15.5	1.07 V	18	26.1	12.4
7	#17325.00	67.7 PK	68.2	-0.5	1.87 V	162	51.0	16.7

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Below 1GHz Data:

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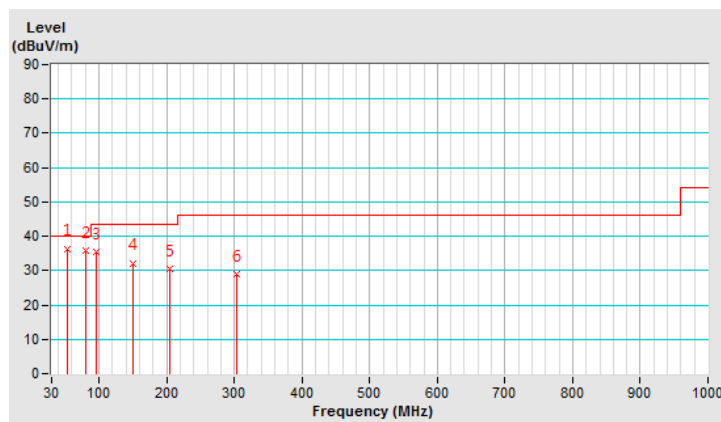
CHANNEL	TX Channel 155	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	53.50	36.4 QP	40.0	-3.6	1.50 H	243	44.3	-7.9
2	80.29	35.9 QP	40.0	-4.1	2.00 H	13	48.6	-12.7
3	95.77	35.6 QP	43.5	-7.9	2.00 H	295	48.2	-12.6
4	149.93	32.2 QP	43.5	-11.3	2.00 H	47	39.3	-7.1
5	204.77	30.6 QP	43.5	-12.9	1.50 H	71	40.8	-10.2
6	303.93	28.8 QP	46.0	-17.2	1.00 H	220	35.0	-6.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



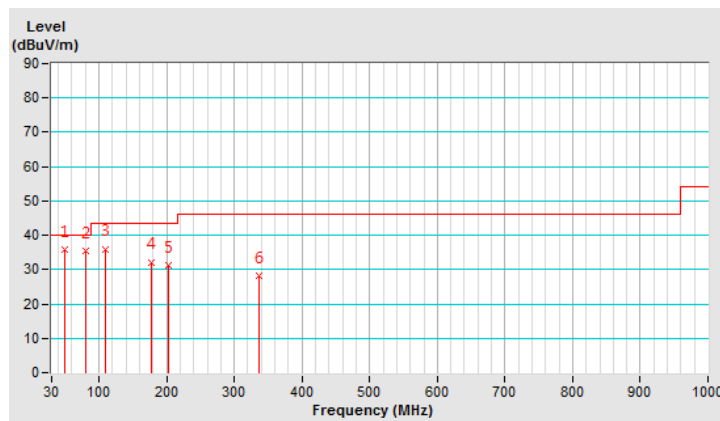
CHANNEL	TX Channel 155	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.31	35.9 QP	40.0	-4.1	1.50 V	243	43.6	-7.7
2	79.77	35.3 QP	40.0	-4.7	3.00 V	17	47.9	-12.6
3	109.87	36.0 QP	43.5	-7.5	1.00 V	308	46.4	-10.4
4	177.97	32.2 QP	43.5	-11.3	1.00 V	34	40.6	-8.4
5	202.33	31.4 QP	43.5	-12.1	1.50 V	102	41.7	-10.3
6	335.72	28.2 QP	46.0	-17.8	1.50 V	254	33.5	-5.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.1.10 Test Results (Mode 4)

Above 1GHz Data:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	62.6 PK	74.0	-11.4	2.30 H	179	59.1	3.5
2	5150.00	50.5 AV	54.0	-3.5	2.30 H	179	47.0	3.5
3	*5180.00	121.4 PK			2.30 H	179	118.0	3.4
4	*5180.00	112.6 AV			2.30 H	179	109.2	3.4
5	#10360.00	45.6 PK	68.2	-22.6	1.56 H	236	32.5	13.1
6	15540.00	57.5 PK	74.0	-16.5	2.88 H	192	43.9	13.6
7	15540.00	46.6 AV	54.0	-7.4	2.88 H	192	33.0	13.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.4 PK	74.0	-8.6	2.20 V	208	61.9	3.5
2	5150.00	53.4 AV	54.0	-0.6	2.20 V	208	49.9	3.5
3	*5180.00	122.3 PK			2.20 V	208	118.9	3.4
4	*5180.00	112.9 AV			2.20 V	208	109.5	3.4
5	#10360.00	46.8 PK	68.2	-21.4	1.86 V	139	33.7	13.1
6	15540.00	64.8 PK	74.0	-9.2	1.78 V	241	51.2	13.6
7	15540.00	52.9 AV	54.0	-1.1	1.78 V	241	39.3	13.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	121.7 PK			2.34 H	182	118.3	3.4
2	*5200.00	112.6 AV			2.34 H	182	109.2	3.4
3	#10400.00	46.5 PK	68.2	-21.7	1.52 H	202	33.1	13.4
4	15600.00	63.8 PK	74.0	-10.2	1.63 H	225	50.4	13.4
5	15600.00	50.1 AV	54.0	-3.9	1.63 H	225	36.7	13.4

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	122.4 PK			2.09 V	198	119.0	3.4
2	*5200.00	113.3 AV			2.09 V	198	109.9	3.4
3	#10400.00	46.2 PK	68.2	-22.0	2.14 V	308	32.8	13.4
4	15600.00	67.1 PK	74.0	-6.9	3.54 V	240	53.7	13.4
5	15600.00	53.5 AV	54.0	-0.5	3.54 V	240	40.1	13.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	121.9 PK			2.29 H	185	118.9	3.0
2	*5240.00	113.0 AV			2.29 H	185	110.0	3.0
3	5350.00	52.7 PK	74.0	-21.3	2.29 H	185	49.4	3.3
4	5350.00	42.6 AV	54.0	-11.4	2.29 H	185	39.3	3.3
5	#10480.00	46.9 PK	68.2	-21.3	1.78 H	216	33.4	13.5
6	15720.00	62.4 PK	74.0	-11.6	1.72 H	225	49.6	12.8
7	15720.00	51.7 AV	54.0	-2.3	1.72 H	225	38.9	12.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	122.3 PK			2.12 V	194	119.3	3.0
2	*5240.00	112.9 AV			2.12 V	194	109.9	3.0
3	5350.00	54.5 PK	74.0	-19.5	2.12 V	194	51.2	3.3
4	5350.00	45.7 AV	54.0	-8.3	2.12 V	194	42.4	3.3
5	#10480.00	45.8 PK	68.2	-22.4	1.26 V	307	32.3	13.5
6	15720.00	65.1 PK	74.0	-8.9	3.29 V	219	52.3	12.8
7	15720.00	53.9 AV	54.0	-0.1	3.29 V	219	41.1	12.8

REMARKS:

- Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " * ": Fundamental frequency.
- " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5558.15	61.4 PK	68.2	-6.8	1.79 H	176	58.1	3.3
2	*5745.00	119.5 PK			1.79 H	176	115.6	3.9
3	*5745.00	110.1 AV			1.79 H	176	106.2	3.9
4	#5957.51	61.8 PK	68.2	-6.4	1.79 H	176	57.6	4.2
5	11490.00	46.5 PK	74.0	-27.5	3.12 H	214	32.3	14.2
6	11490.00	35.7 AV	54.0	-18.3	3.12 H	214	21.5	14.2
7	#17235.00	62.7 PK	68.2	-5.5	1.64 H	302	45.4	17.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5634.24	60.9 PK	68.2	-7.3	1.92 V	200	57.6	3.3
2	*5745.00	120.6 PK			1.92 V	200	116.7	3.9
3	*5745.00	110.6 AV			1.92 V	200	106.7	3.9
4	#5969.61	62.0 PK	68.2	-6.2	1.92 V	200	57.8	4.2
5	11490.00	44.3 PK	74.0	-29.7	1.48 V	176	30.1	14.2
6	11490.00	34.8 AV	54.0	-19.2	1.48 V	176	20.6	14.2
7	#17235.00	67.5 PK	68.2	-0.7	3.10 V	189	50.2	17.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5614.61	61.4 PK	68.2	-6.8	1.82 H	180	58.1	3.3
2	*5785.00	120.9 PK			1.82 H	180	116.9	4.0
3	*5785.00	111.2 AV			1.82 H	180	107.2	4.0
4	#5936.59	61.9 PK	68.2	-6.3	1.82 H	180	57.7	4.2
5	11570.00	45.6 PK	74.0	-28.4	1.70 H	122	31.4	14.2
6	11570.00	36.5 AV	54.0	-17.5	1.70 H	122	22.3	14.2
7	#17355.00	62.8 PK	68.2	-5.4	1.58 H	134	45.1	17.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5586.84	61.5 PK	68.2	-6.7	1.60 V	195	58.2	3.3
2	*5785.00	121.3 PK			1.60 V	195	117.3	4.0
3	*5785.00	112.2 AV			1.60 V	195	108.2	4.0
4	#5976.19	61.1 PK	68.2	-7.1	1.60 V	195	57.0	4.1
5	11570.00	45.4 PK	74.0	-28.6	2.04 V	305	31.2	14.2
6	11570.00	35.6 AV	54.0	-18.4	2.04 V	305	21.4	14.2
7	#17355.00	67.5 PK	68.2	-0.7	2.19 V	360	49.8	17.7

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5572.88	61.8 PK	68.2	-6.4	1.82 H	170	58.5	3.3
2	*5825.00	120.6 PK			1.82 H	170	116.4	4.2
3	*5825.00	110.9 AV			1.82 H	170	106.7	4.2
4	#5940.64	61.6 PK	68.2	-6.6	1.82 H	170	57.4	4.2
5	11650.00	45.9 PK	74.0	-28.1	1.56 H	302	32.0	13.9
6	11650.00	35.8 AV	54.0	-18.2	1.56 H	302	21.9	13.9
7	#17475.00	62.8 PK	68.2	-5.4	1.47 H	246	44.0	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5581.44	62.5 PK	68.2	-5.7	1.48 V	181	59.2	3.3
2	*5825.00	121.5 PK			1.48 V	181	117.3	4.2
3	*5825.00	112.6 AV			1.48 V	181	108.4	4.2
4	#5952.97	62.7 PK	68.2	-5.5	1.48 V	181	58.5	4.2
5	11650.00	44.8 PK	74.0	-29.2	1.57 V	236	30.9	13.9
6	11650.00	35.2 AV	54.0	-18.8	1.57 V	236	21.3	13.9
7	#17475.00	67.7 PK	68.2	-0.5	3.88 V	224	48.9	18.8

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	61.9 PK	74.0	-12.1	2.29 H	188	58.4	3.5
2	5150.00	50.1 AV	54.0	-3.9	2.29 H	188	46.6	3.5
3	*5180.00	121.1 PK			2.25 H	186	117.7	3.4
4	*5180.00	112.5 AV			2.25 H	186	109.1	3.4
5	#10360.00	45.4 PK	68.2	-22.8	1.52 H	237	32.3	13.1
6	15540.00	57.4 PK	74.0	-16.6	2.88 H	176	43.8	13.6
7	15540.00	46.6 AV	54.0	-7.4	2.88 H	176	33.0	13.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	68.1 PK	74.0	-5.9	1.38 V	191	64.6	3.5
2	5150.00	53.8 AV	54.0	-0.2	1.38 V	191	50.3	3.5
3	*5180.00	122.9 PK			1.38 V	191	119.5	3.4
4	*5180.00	112.6 AV			1.38 V	191	109.2	3.4
5	#10360.00	45.8 PK	68.2	-22.4	1.25 V	228	32.7	13.1
6	15540.00	65.1 PK	74.0	-8.9	3.37 V	239	51.5	13.6
7	15540.00	52.6 AV	54.0	-1.4	3.37 V	239	39.0	13.6

REMARKS:

- Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " * ": Fundamental frequency.
- " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	121.4 PK			2.37 H	195	118.0	3.4
2	*5200.00	112.6 AV			2.37 H	195	109.2	3.4
3	#10400.00	46.2 PK	68.2	-22.0	1.36 H	222	32.8	13.4
4	15600.00	62.4 PK	74.0	-11.6	1.48 H	263	49.0	13.4
5	15600.00	49.8 AV	54.0	-4.2	1.48 H	263	36.4	13.4

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	123.7 PK			1.38 V	187	120.3	3.4
2	*5200.00	113.1 AV			1.38 V	187	109.7	3.4
3	#10400.00	45.7 PK	68.2	-22.5	1.39 V	207	32.3	13.4
4	15600.00	67.7 PK	74.0	-6.3	3.55 V	240	54.3	13.4
5	15600.00	53.4 AV	54.0	-0.6	3.55 V	240	40.0	13.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 48	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	122.0 PK			2.34 H	195	119.0	3.0
2	*5240.00	113.3 AV			2.34 H	195	110.3	3.0
3	5350.00	53.0 PK	74.0	-21.0	2.34 H	178	49.7	3.3
4	5350.00	43.0 AV	54.0	-11.0	2.34 H	178	39.7	3.3
5	#10480.00	45.9 PK	68.2	-22.3	1.46 H	222	32.4	13.5
6	15720.00	62.4 PK	74.0	-11.6	1.63 H	301	49.6	12.8
7	15720.00	49.6 AV	54.0	-4.4	1.63 H	301	36.8	12.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	123.2 PK			1.52 V	186	120.2	3.0
2	*5240.00	113.6 AV			1.52 V	186	110.6	3.0
3	5350.00	55.6 PK	74.0	-18.4	1.52 V	186	52.3	3.3
4	5350.00	45.4 AV	54.0	-8.6	1.52 V	186	42.1	3.3
5	#10480.00	44.7 PK	68.2	-23.5	1.47 V	229	31.2	13.5
6	15720.00	66.2 PK	74.0	-7.8	3.74 V	242	53.4	12.8
7	15720.00	53.3 AV	54.0	-0.7	3.74 V	242	40.5	12.8

REMARKS:

- Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " * ": Fundamental frequency.
- " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 149	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5637.29	62.3 PK	68.2	-5.9	1.71 H	177	59.0	3.3
2	*5745.00	124.6 PK			1.71 H	177	120.7	3.9
3	*5745.00	113.4 AV			1.71 H	177	109.5	3.9
4	#5995.18	62.0 PK	68.2	-6.2	1.71 H	177	57.9	4.1
5	11490.00	46.5 PK	74.0	-27.5	1.74 H	202	32.3	14.2
6	11490.00	35.2 AV	54.0	-18.8	1.74 H	202	21.0	14.2
7	#17235.00	62.9 PK	68.2	-5.3	1.88 H	315	45.6	17.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5650.84	63.1 PK	68.8	-5.7	1.95 V	186	59.8	3.3
2	*5745.00	123.5 PK			1.95 V	186	119.6	3.9
3	*5745.00	112.3 AV			1.95 V	186	108.4	3.9
4	#5943.31	62.1 PK	68.2	-6.1	1.95 V	186	57.9	4.2
5	11490.00	46.5 PK	74.0	-27.5	1.62 V	207	32.3	14.2
6	11490.00	34.8 AV	54.0	-19.2	1.62 V	207	20.6	14.2
7	#17235.00	67.6 PK	68.2	-0.6	2.96 V	360	50.3	17.3

REMARKS:

- Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " * ": Fundamental frequency.
- " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5590.94	61.1 PK	68.2	-7.1	1.92 H	183	57.8	3.3
2	*5785.00	122.6 PK			1.92 H	183	118.6	4.0
3	*5785.00	111.1 AV			1.92 H	183	107.1	4.0
4	#5927.79	61.8 PK	68.2	-6.4	1.92 H	183	57.7	4.1
5	11570.00	46.5 PK	74.0	-27.5	3.01 H	225	32.3	14.2
6	11570.00	36.5 AV	54.0	-17.5	3.01 H	225	22.3	14.2
7	#17355.00	62.9 PK	68.2	-5.3	1.64 H	333	45.2	17.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5558.44	62.6 PK	68.2	-5.6	1.87 V	193	59.3	3.3
2	*5785.00	123.2 PK			1.87 V	193	119.2	4.0
3	*5785.00	112.6 AV			1.87 V	193	108.6	4.0
4	#5942.36	60.7 PK	68.2	-7.5	1.87 V	193	56.5	4.2
5	11570.00	45.7 PK	74.0	-28.3	1.71 V	228	31.5	14.2
6	11570.00	35.8 AV	54.0	-18.2	1.71 V	228	21.6	14.2
7	#17355.00	67.9 PK	68.2	-0.3	1.70 V	12	50.2	17.7

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 165	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5573.36	61.4 PK	68.2	-6.8	1.72 H	178	58.1	3.3
2	*5825.00	122.5 PK			1.72 H	178	118.3	4.2
3	*5825.00	111.9 AV			1.72 H	178	107.7	4.2
4	#5982.90	62.0 PK	68.2	-6.2	1.72 H	178	57.9	4.1
5	11650.00	45.9 PK	74.0	-28.1	1.70 H	202	32.0	13.9
6	11650.00	33.7 AV	54.0	-20.3	1.70 H	202	19.8	13.9
7	#17475.00	63.7 PK	68.2	-4.5	2.01 H	225	44.9	18.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5569.53	62.5 PK	68.2	-5.7	1.83 V	185	59.2	3.3
2	*5825.00	122.7 PK			1.83 V	185	118.5	4.2
3	*5825.00	112.1 AV			1.83 V	185	107.9	4.2
4	#5940.58	61.4 PK	68.2	-6.8	1.83 V	185	57.2	4.2
5	11650.00	45.7 PK	74.0	-28.3	1.67 V	207	31.8	13.9
6	11650.00	34.1 AV	54.0	-19.9	1.67 V	207	20.2	13.9
7	#17475.00	67.9 PK	68.2	-0.3	3.70 V	216	49.1	18.8

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE40)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	68.4 PK	74.0	-5.6	1.64 H	215	64.9	3.5
2	5150.00	52.9 AV	54.0	-1.1	1.64 H	215	49.4	3.5
3	*5190.00	115.6 PK			1.64 H	215	112.2	3.4
4	*5190.00	104.1 AV			1.64 H	215	100.7	3.4
5	#10380.00	46.2 PK	68.2	-22.0	1.57 H	202	32.9	13.3
6	15570.00	57.6 PK	74.0	-16.4	1.64 H	215	44.2	13.4
7	15570.00	44.8 AV	54.0	-9.2	1.64 H	215	31.4	13.4

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	69.5 PK	74.0	-4.5	2.05 V	192	66.0	3.5
2	5150.00	53.2 AV	54.0	-0.8	2.05 V	192	49.7	3.5
3	*5190.00	116.4 PK			2.05 V	192	113.0	3.4
4	*5190.00	105.5 AV			2.05 V	192	102.1	3.4
5	#10380.00	45.9 PK	68.2	-22.3	1.48 V	207	32.6	13.3
6	15570.00	61.5 PK	74.0	-12.5	3.14 V	140	48.1	13.4
7	15570.00	48.4 AV	54.0	-5.6	3.14 V	140	35.0	13.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 46	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	120.3 PK			2.00 H	189	117.2	3.1
2	*5230.00	109.8 AV			2.00 H	189	106.7	3.1
3	5350.00	64.9 PK	74.0	-9.1	2.00 H	189	61.6	3.3
4	5350.00	52.1 AV	54.0	-1.9	2.00 H	189	48.8	3.3
5	#10460.00	46.9 PK	68.2	-21.3	1.38 H	201	33.4	13.5
6	15690.00	62.8 PK	74.0	-11.2	1.66 H	222	49.9	12.9
7	15690.00	50.6 AV	54.0	-3.4	1.66 H	222	37.7	12.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	121.6 PK			1.94 V	178	118.5	3.1
2	*5230.00	110.9 AV			1.94 V	178	107.8	3.1
3	5350.00	65.1 PK	74.0	-8.9	1.94 V	178	61.8	3.3
4	5350.00	52.9 AV	54.0	-1.1	1.94 V	178	49.6	3.3
5	#10460.00	45.9 PK	68.2	-22.3	1.52 V	218	32.4	13.5
6	15690.00	65.6 PK	74.0	-8.4	3.26 V	141	52.7	12.9
7	15690.00	53.2 AV	54.0	-0.8	3.26 V	141	40.3	12.9

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5648.37	63.1 PK	68.2	-5.1	1.78 H	177	59.8	3.3
2	*5755.00	121.3 PK			1.78 H	177	117.4	3.9
3	*5755.00	111.3 AV			1.78 H	177	107.4	3.9
4	#5958.26	61.2 PK	68.2	-7.0	1.78 H	177	57.0	4.2
5	11510.00	46.2 PK	74.0	-27.8	2.04 H	334	32.0	14.2
6	11510.00	36.9 AV	54.0	-17.1	2.04 H	334	22.7	14.2
7	#17265.00	62.7 PK	68.2	-5.5	1.86 H	300	45.5	17.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5648.80	65.8 PK	68.2	-2.4	1.91 V	184	62.5	3.3
2	*5755.00	122.9 PK			1.91 V	184	119.0	3.9
3	*5755.00	110.9 AV			1.91 V	184	107.0	3.9
4	#5954.53	62.0 PK	68.2	-6.2	1.91 V	184	57.8	4.2
5	11510.00	46.7 PK	74.0	-27.3	1.56 V	309	32.5	14.2
6	11510.00	35.7 AV	54.0	-18.3	1.56 V	309	21.5	14.2
7	#17265.00	67.8 PK	68.2	-0.4	2.21 V	360	50.6	17.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 159	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5564.20	62.4 PK	68.2	-5.8	1.84 H	177	59.1	3.3
2	*5795.00	121.2 PK			1.84 H	177	117.2	4.0
3	*5795.00	110.5 AV			1.84 H	177	106.5	4.0
4	#5932.19	64.6 PK	68.2	-3.6	1.84 H	177	60.5	4.1
5	11590.00	46.5 PK	74.0	-27.5	1.42 H	272	32.3	14.2
6	11590.00	36.3 AV	54.0	-17.7	1.42 H	272	22.1	14.2
7	#17385.00	63.4 PK	68.2	-4.8	1.45 H	265	45.6	17.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5609.65	62.0 PK	68.2	-6.2	1.91 V	183	58.7	3.3
2	*5795.00	121.6 PK			1.91 V	183	117.6	4.0
3	*5795.00	111.1 AV			1.91 V	183	107.1	4.0
4	#5974.95	61.7 PK	68.2	-6.5	1.91 V	183	57.6	4.1
5	11590.00	46.5 PK	74.0	-27.5	1.39 V	267	32.3	14.2
6	11590.00	35.9 AV	54.0	-18.1	1.39 V	267	21.7	14.2
7	#17385.00	67.9 PK	68.2	-0.3	1.72 V	13	50.1	17.8

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11ax (HE80)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.1 PK	74.0	-8.9	2.32 H	223	61.6	3.5
2	5150.00	53.2 AV	54.0	-0.8	2.32 H	223	49.7	3.5
3	*5210.00	109.6 PK			2.32 H	223	106.3	3.3
4	*5210.00	100.1 AV			2.32 H	223	96.8	3.3
5	5350.00	51.1 PK	74.0	-22.9	2.32 H	223	47.8	3.3
6	5350.00	40.2 AV	54.0	-13.8	2.32 H	223	36.9	3.3
7	#10420.00	46.2 PK	68.2	-22.0	1.45 H	216	32.7	13.5
8	15630.00	52.7 PK	74.0	-21.3	1.64 H	202	39.5	13.2
9	15630.00	42.6 AV	54.0	-11.4	1.64 H	202	29.4	13.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.6 PK	74.0	-8.4	2.05 V	194	62.1	3.5
2	5150.00	53.9 AV	54.0	-0.1	2.05 V	194	50.4	3.5
3	*5210.00	110.1 PK			2.05 V	194	106.8	3.3
4	*5210.00	100.5 AV			2.05 V	194	97.2	3.3
5	5350.00	51.6 PK	74.0	-22.4	2.05 V	194	48.3	3.3
6	5350.00	40.9 AV	54.0	-13.1	2.05 V	194	37.6	3.3
7	#10420.00	46.8 PK	68.2	-21.4	1.45 V	208	33.3	13.5
8	15630.00	55.1 PK	74.0	-18.9	2.86 V	125	41.9	13.2
9	15630.00	46.6 AV	54.0	-7.4	2.86 V	125	33.4	13.2

REMARKS:

- Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " * ": Fundamental frequency.
- " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 155	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5639.61	66.2 PK	68.2	-2.0	1.88 H	165	62.9	3.3
2	*5775.00	116.9 PK			1.88 H	165	113.0	3.9
3	*5775.00	105.8 AV			1.88 H	165	101.9	3.9
4	#5934.50	64.9 PK	68.2	-3.3	1.88 H	165	60.7	4.2
5	11550.00	46.5 PK	74.0	-27.5	3.02 H	214	32.3	14.2
6	11550.00	36.5 AV	54.0	-17.5	3.02 H	214	22.3	14.2
7	#17325.00	62.5 PK	68.2	-5.7	2.90 H	248	45.1	17.4

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5649.01	66.7 PK	68.2	-1.5	1.98 V	186	63.4	3.3
2	*5775.00	116.1 PK			1.98 V	186	112.2	3.9
3	*5775.00	105.1 AV			1.98 V	186	101.2	3.9
4	#5932.67	63.1 PK	68.2	-5.1	1.98 V	186	59.0	4.1
5	11550.00	46.8 PK	74.0	-27.2	2.05 V	147	32.6	14.2
6	11550.00	35.9 AV	54.0	-18.1	2.05 V	147	21.7	14.2
7	#17325.00	67.2 PK	68.2	-1.0	3.09 V	341	49.8	17.4

REMARKS:

- Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
- Margin value = Emission Level – Limit value
- The other emission levels were very low against the limit.
- " * ": Fundamental frequency.
- " # ": The radiated frequency is out of the restricted band.

Below 1GHz Data:

802.11a

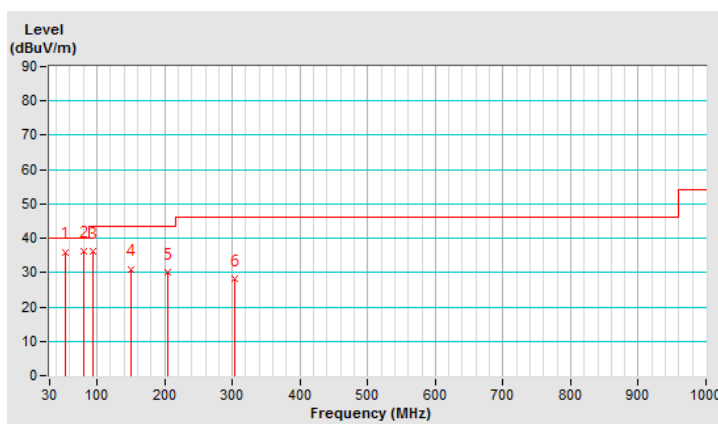
CHANNEL	TX Channel 149	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	52.59	36.0 QP	40.0	-4.0	1.50 H	234	43.8	-7.8
2	80.29	36.4 QP	40.0	-3.6	2.50 H	26	49.1	-12.7
3	94.50	36.3 QP	43.5	-7.2	2.50 H	290	49.2	-12.9
4	149.72	31.1 QP	43.5	-12.4	1.50 H	51	38.2	-7.1
5	204.31	30.2 QP	43.5	-13.3	1.50 H	81	40.4	-10.2
6	304.37	28.0 QP	46.0	-18.0	1.00 H	218	34.2	-6.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



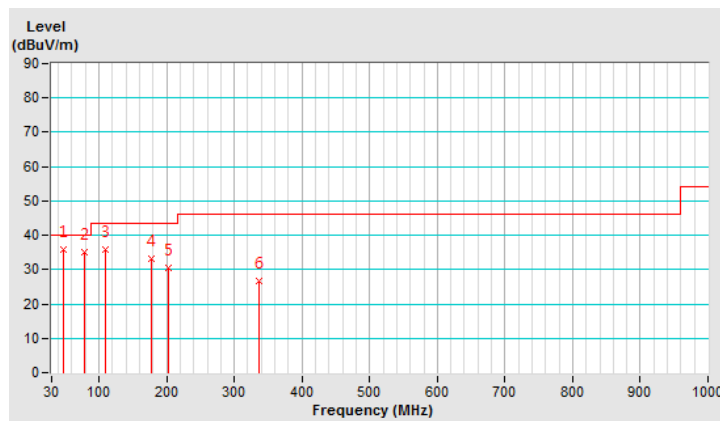
CHANNEL	TX Channel 149	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	48.10	35.8 QP	40.0	-4.2	1.50 V	242	43.5	-7.7
2	79.42	35.2 QP	40.0	-4.8	2.50 V	27	47.7	-12.5
3	110.49	35.7 QP	43.5	-7.8	1.50 V	310	46.0	-10.3
4	176.96	33.2 QP	43.5	-10.3	2.00 V	34	41.5	-8.3
5	202.30	30.4 QP	43.5	-13.1	1.00 V	101	40.7	-10.3
6	335.89	26.8 QP	46.0	-19.2	1.50 V	254	32.1	-5.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	847124/029	Oct. 23, 2019	Oct. 22, 2020
Line-Impedance Stabilization Network (for EUT) R&S	ESH3-Z5	848773/004	Oct. 23, 2019	Oct. 22, 2020
Line-Impedance Stabilization Network (for Peripheral) R&S	ESH3-Z5	835239/001	Mar. 17, 2019	Mar. 16, 2020
50 ohms Terminator	50	3	Oct. 23, 2019	Oct. 22, 2020
RF Cable	5D-FB	COCCAB-001	Sep. 27, 2019	Sep. 26, 2020
Fixed attenuator EMCI	STI02-2200-10	003	Mar. 14, 2019	Mar. 13, 2020
Software BVADT	BVADT_Cond_ V7.3.7.4	NA	NA	NA

Note:

1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Conduction 1.
- 3 Tested Date: Dec. 03, 2019

4.2.3 Test Procedure

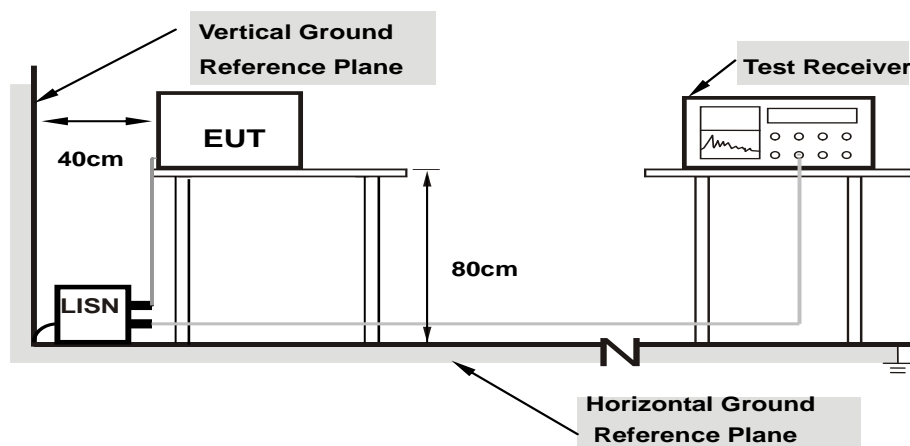
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT Operating Condition

Same as 4.1.6.

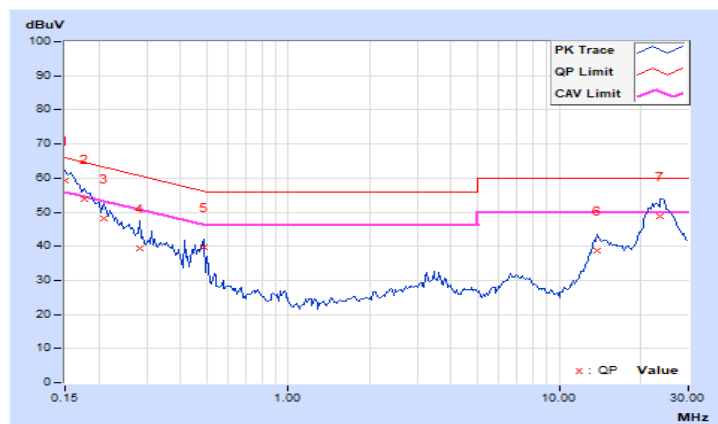
4.2.7 Test Results

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr.	Reading Value		Emission Level		Limit		Margin	
		Factor (dB)	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	9.97	49.33	33.73	59.30	43.70	66.00	56.00	-6.70	-12.30
2	0.17734	9.97	43.94	28.29	53.91	38.26	64.61	54.61	-10.70	-16.35
3	0.20859	9.97	38.10	23.94	48.07	33.91	63.26	53.26	-15.19	-19.35
4	0.28281	9.97	29.56	16.17	39.53	26.14	60.73	50.73	-21.20	-24.59
5	0.48594	9.99	29.62	25.50	39.61	35.49	56.24	46.24	-16.63	-10.75
6	13.79688	10.70	28.13	23.29	38.83	33.99	60.00	50.00	-21.17	-16.01
7	23.65234	11.15	37.57	33.42	48.72	44.57	60.00	50.00	-11.28	-5.43

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

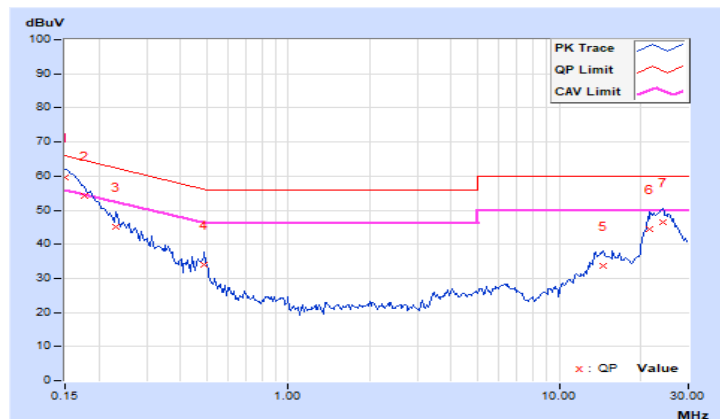


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
-------	-------------	-------------------	--------------------------------

No	Freq. [MHz]	Corr. Factor	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
		(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
	1	0.15000	9.97	49.51	33.63	59.48	43.60	66.00	56.00	-6.52
2	0.17734	9.97	44.14	28.07	54.11	38.04	64.61	54.61	-10.50	-16.57
3	0.23203	9.97	35.03	21.13	45.00	31.10	62.38	52.38	-17.38	-21.28
4	0.48984	9.99	24.18	19.50	34.17	29.49	56.17	46.17	-22.00	-16.68
5	14.53516	10.58	23.24	18.21	33.82	28.79	60.00	50.00	-26.18	-21.21
6	21.62500	10.83	33.59	28.84	44.42	39.67	60.00	50.00	-15.58	-10.33
7	24.19141	10.87	35.47	31.20	46.34	42.07	60.00	50.00	-13.66	-7.93

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



4.3 Transmit Power Measurement

4.3.1 Limits of Transmit Power Measurement

Operation Band	EUT Category		Limit
U-NII-1	√	Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p ≤ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
		Fixed point-to-point Access Point	1 Watt (30 dBm)
		Indoor Access Point	1 Watt (30 dBm)
		Client device	250mW (24 dBm)
U-NII-2A			250mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C			250mW (24 dBm) or 11 dBm+10 log B*
U-NII-3		√	1 Watt (30 dBm)

*B is the 26 dB emission bandwidth in megahertz

Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

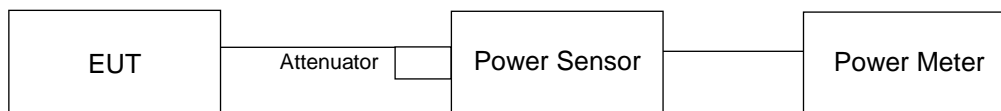
Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

For power measurements on all other devices: Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

4.3.2 Test Setup



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedure

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 Test Result (Mode 1)

Non-Beamforming Mode

802.11a

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	1.67	1.71	1.65	1.97	5.988	7.77	23.00	Pass
40	5200	1.68	1.74	1.63	2.02	6.013	7.79	23.00	Pass
48	5240	1.64	1.72	1.68	2.01	6.006	7.79	23.00	Pass
149	5745	16.95	16.84	16.77	17.06	196.2	22.93	23.00	Pass
157	5785	16.79	16.82	16.67	17.09	193.457	22.87	23.00	Pass
165	5825	16.85	16.93	16.69	17.01	194.635	22.89	23.00	Pass

Note: 1. Antennas gain = 13dBi > 6dBi, so the power limit shall be reduced to $30-(13-6) = 23.00$ dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	119.40	20.77	21	Pass
40	5200	119.95	20.79	21	Pass
48	5240	119.95	20.79	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≤ 125 mW(21 dBm) to compliance.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	1.42	1.57	1.49	1.73	5.721	7.57	23.00	Pass
40	5200	1.51	1.58	1.59	1.76	5.796	7.63	23.00	Pass
48	5240	1.47	1.58	1.62	1.82	5.814	7.64	23.00	Pass
149	5745	16.83	16.76	16.68	16.97	191.951	22.83	23.00	Pass
157	5785	16.89	16.76	16.59	16.87	190.534	22.80	23.00	Pass
165	5825	16.78	16.68	16.57	16.89	188.461	22.75	23.00	Pass

Note: 1. Antennas gain = 13dBi > 6dBi, so the power limit shall be reduced to $30-(13-6) = 23.00$ dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	114.03	20.57	21	Pass
40	5200	115.611	20.63	21	Pass
48	5240	115.878	20.64	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p \leq 125mW(21 dBm) to compliance.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	1.81	1.47	1.86	1.36	5.822	7.65	23.00	Pass
46	5230	1.82	1.49	1.91	1.42	5.869	7.69	23.00	Pass
151	5755	16.41	16.57	16.34	16.83	180.394	22.56	23.00	Pass
159	5795	16.47	16.61	16.41	16.87	182.568	22.61	23.00	Pass

Note: 1. Antennas gain = 13dBi > 6dBi, so the power limit shall be reduced to $30 - (13 - 6) = 23.00$ dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	116.15	20.65	21	Pass
46	5230	117.22	20.69	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p \leq 125mW(21 dBm) to compliance.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	1.71	1.26	1.67	1.26	5.625	7.50	23.00	Pass
155	5775	16.57	16.62	16.47	16.73	182.773	22.62	23.00	Pass

Note: 1. Antennas gain = 13dBi > 6dBi, so the power limit shall be reduced to $30-(13-6) = 23.00\text{dBm}$.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	112.20	20.50	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p $\leq 125\text{mW}(21\text{ dBm})$ to compliance.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	1.58	1.68	1.62	1.86	5.898	7.71	23.00	Pass
40	5200	1.62	1.65	1.71	1.88	5.939	7.74	23.00	Pass
48	5240	1.62	1.69	1.76	1.93	5.987	7.77	23.00	Pass
149	5745	16.92	16.87	16.74	17.02	195.401	22.91	23.00	Pass
157	5785	16.96	16.84	16.72	17.01	195.189	22.90	23.00	Pass
165	5825	16.86	16.79	16.68	17.11	194.245	22.88	23.00	Pass

Note: 1. Antennas gain = 13dBi > 6dBi, so the power limit shall be reduced to $30-(13-6) = 23.00\text{dBm}$.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	117.76	20.71	21	Pass
40	5200	118.577	20.74	21	Pass
48	5240	119.399	20.77	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p $\leq 125\text{mW}(21\text{ dBm})$ to compliance.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	1.86	1.54	1.95	1.46	5.927	7.73	23.00	Pass
46	5230	1.93	1.62	1.97	1.52	6.005	7.79	23.00	Pass
151	5755	16.53	16.72	16.49	16.95	186.078	22.70	23.00	Pass
159	5795	16.58	16.71	16.53	17.03	187.824	22.74	23.00	Pass

Note: 1. Antennas gain = 13dBi > 6dBi, so the power limit shall be reduced to $30 - (13 - 6) = 23.00$ dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	118.30	20.73	21	Pass
46	5230	119.95	20.79	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≤ 125 mW (21 dBm) to compliance.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	1.78	1.45	1.77	1.43	5.796	7.63	23.00	Pass
155	5775	16.62	16.78	16.62	16.94	188.914	22.76	23.00	Pass

Note: 1. Antennas gain = 13dBi > 6dBi, so the power limit shall be reduced to $30 - (13 - 6) = 23.00$ dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	115.61	20.63	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≤ 125 mW (21 dBm) to compliance.

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	-4.13	-4.31	-4.32	-4.15	1.5115	1.79	16.98	Pass
40	5200	-4.16	-4.27	-4.35	-4.25	1.5009	1.76	16.98	Pass
48	5240	-4.08	-4.19	-4.29	-4.23	1.5219	1.82	16.98	Pass
149	5745	10.73	10.69	10.53	10.84	46.984	16.72	16.98	Pass
157	5785	10.76	10.68	10.65	10.81	47.272	16.75	16.98	Pass
165	5825	10.76	10.82	10.58	10.86	47.609	16.78	16.98	Pass

- Note: 1. For U-NII-1: The directional gain = $13\text{dBi} + 10\log(4) = 19.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (19.02 - 6) = 16.98\text{dBm}$.
2. For U-NII-3: The directional gain = $13\text{dBi} + 10\log(4) = 19.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (19.02 - 6) = 16.98\text{dBm}$.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	120.50	20.81	21	Pass
40	5200	119.674	20.78	21	Pass
48	5240	121.339	20.84	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p $\leq 125\text{mW}(21\text{ dBm})$ to compliance.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	-4.11	-4.47	-4.11	-4.35	1.5009	1.76	16.98	Pass
46	5230	-4.13	-4.45	-4.19	-4.35	1.4936	1.74	16.98	Pass
151	5755	10.58	10.72	10.42	10.89	46.522	16.68	16.98	Pass
159	5795	10.49	10.72	10.54	10.95	46.767	16.70	16.98	Pass

- Note: 1. For U-NII-1: The directional gain = $13\text{dBi} + 10\log(4) = 19.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (19.02 - 6) = 16.98\text{dBm}$.
2. For U-NII-3: The directional gain = $13\text{dBi} + 10\log(4) = 19.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (19.02 - 6) = 16.98\text{dBm}$.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	119.67	20.78	21	Pass
46	5230	119.124	20.76	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p \leq 125mW(21 dBm) to compliance.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-4.12	-4.43	-4.00	-4.35	1.5132	1.80	16.98	Pass
155	5775	10.49	10.76	10.54	10.82	46.509	16.68	16.98	Pass

Note: 1. For U-NII-1: The directional gain = $13\text{dBi} + 10\log(4) = 19.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (19.02 - 6) = 16.98\text{dBm}$.

2. For U-NII-3: The directional gain = $13\text{dBi} + 10\log(4) = 19.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (19.02 - 6) = 16.98\text{dBm}$.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	120.78	20.82	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p \leq 125mW(21 dBm) to compliance.

802.11ax (HE20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	-4.02	-4.19	-4.20	-4.01	1.5547	1.92	16.98	Pass
40	5200	-4.08	-4.16	-4.19	-4.09	1.5456	1.89	16.98	Pass
48	5240	-3.98	-4.11	-4.15	-4.12	1.5599	1.93	16.98	Pass
149	5745	10.87	10.77	10.69	10.96	48.354	16.84	16.98	Pass
157	5785	10.85	10.79	10.76	10.91	48.4	16.85	16.98	Pass
165	5825	10.79	10.83	10.64	10.99	48.249	16.83	16.98	Pass

Note: 1. For U-NII-1: The directional gain = $13\text{dBi} + 10\log(4) = 19.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (19.02 - 6) = 16.98\text{dBm}$.

2. For U-NII-3: The directional gain = $13\text{dBi} + 10\log(4) = 19.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (19.02 - 6) = 16.98\text{dBm}$.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	124.17	20.94	21	Pass
40	5200	123.31	20.91	21	Pass
48	5240	124.451	20.95	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p $\leq 125\text{mW}(21\text{ dBm})$ to compliance.

802.11ax (HE40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	-3.92	-4.36	-3.96	-4.27	1.5478	1.90	16.98	Pass
46	5230	-3.96	-4.31	-4.06	-4.25	1.541	1.88	16.98	Pass
151	5755	10.67	10.78	10.53	11.02	47.581	16.77	16.98	Pass
159	5795	10.62	10.79	10.68	11.06	47.989	16.81	16.98	Pass

Note: 1. For U-NII-1: The directional gain = $13\text{dBi} + 10\log(4) = 19.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (19.02 - 6) = 16.98\text{dBm}$.

2. For U-NII-3: The directional gain = $13\text{dBi} + 10\log(4) = 19.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (19.02 - 6) = 16.98\text{dBm}$.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	123.60	20.92	21	Pass
46	5230	123.027	20.90	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p \leq 125mW(21 dBm) to compliance.

802.11ax (HE80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-3.96	-4.26	-3.89	-4.21	1.5644	1.94	16.98	Pass
155	5775	10.58	10.89	10.66	10.96	47.818	16.80	16.98	Pass

Note: 1. For U-NII-1: The directional gain = 13dBi + 10log(4) =19.02dBi > 6dBi, so the power limit shall be reduced to 30-(19.02-6) = 16.98dBm.

2. For U-NII-3: The directional gain = 13dBi + 10log(4) =19.02dBi > 6dBi, so the power limit shall be reduced to 30-(19.02-6) = 16.98dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	124.74	20.96	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p \leq 125mW(21 dBm) to compliance.