



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	54.25	55.17	68.2	-13.95	34.78	9.81	45.51	100	280	Peak
5710	95.51	96.09	/	/	35.05	9.87	45.5	100	280	Peak
5710	91.43	92.01	/	/	35.05	9.87	45.5	100	280	Average
5850	55.27	55.63	68.2	-12.93	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	52.93	54.03	68.2	-15.27	34.6	9.81	45.51	100	80	Peak
5710	97.11	97.89	/	/	34.85	9.87	45.5	100	80	Peak
5710	92.84	93.62	/	/	34.85	9.87	45.5	100	80	Average
5850	54.18	54.74	68.2	-14.02	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.
- 5710MHz: Fundamental frequency.
- #: Out of restricted band.



802.11ac (80MHz)

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.83	53.76	74	-21.17	34.77	9.81	45.51	100	280	Peak
5460	47.91	48.84	54	-6.09	34.77	9.81	45.51	100	280	Average
5470	53.82	54.74	68.2	-14.38	34.78	9.81	45.51	100	280	Peak
5530	89.44	90.29	/	/	34.84	9.81	45.5	100	280	Peak
5530	84.23	85.08	/	/	34.84	9.81	45.5	100	280	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	53.38	54.48	74	-20.62	34.6	9.81	45.51	100	80	Peak
5460	47.36	48.46	54	-6.64	34.6	9.81	45.51	100	80	Average
5470	53.48	54.58	68.2	-14.72	34.6	9.81	45.51	100	80	Peak
5530	90.69	91.74	/	/	34.64	9.81	45.5	100	80	Peak
5530	85.24	86.29	/	/	34.64	9.81	45.5	100	80	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5530MHz: Fundamental frequency.
3. #: Out of restricted band.



CHANNEL	TX Channel 122	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	53.43	54.36	74	-20.57	34.77	9.81	45.51	100	280	Peak
5460	48.62	49.55	54	-5.38	34.77	9.81	45.51	100	280	Average
5470	52.53	53.45	68.2	-15.67	34.78	9.81	45.51	100	280	Peak
5610	88.87	89.6	/	/	34.93	9.84	45.5	100	280	Peak
5610	85.9	86.63	/	/	34.93	9.84	45.5	100	280	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	54.94	56.04	74	-19.06	34.6	9.81	45.51	100	80	Peak
5460	47.65	48.75	54	-6.35	34.6	9.81	45.51	100	80	Average
5470	55.49	56.59	68.2	-12.71	34.6	9.81	45.51	100	80	Peak
5610	90.6	91.53	/	/	34.73	9.84	45.5	100	80	Peak
5610	87	87.93	/	/	34.73	9.84	45.5	100	80	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5610MHz: Fundamental frequency.
- #: Out of restricted band.



CHANNEL	TX Channel 138	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	53.8	54.72	68.2	-14.4	34.78	9.81	45.51	100	280	Peak
5690	89.84	90.45	/	/	35.03	9.86	45.5	100	280	Peak
5690	87.09	87.7	/	/	35.03	9.86	45.5	100	280	Average
5850	54.47	54.83	68.2	-13.73	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	54.32	55.42	68.2	-13.88	34.6	9.81	45.51	100	80	Peak
5690	91.3	92.11	/	/	34.83	9.86	45.5	100	80	Peak
5690	88.9	89.71	/	/	34.83	9.86	45.5	100	80	Average
5850	55.49	56.05	68.2	-12.71	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. 5690MHz: Fundamental frequency.
3. #: Out of restricted band.



802.11ax (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	53.41	54.34	74	-20.59	34.77	9.81	45.51	100	280	Peak
5460	48.54	49.47	54	-5.46	34.77	9.81	45.51	100	280	Average
5470	53.4	54.32	68.2	-14.8	34.78	9.81	45.51	100	280	Peak
5500	97.23	98.13	/	/	34.8	9.8	45.5	100	280	Peak
5500	88.31	89.21	/	/	34.8	9.8	45.5	100	280	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	53.72	54.82	74	-20.28	34.6	9.81	45.51	100	270	Peak
5460	47.46	48.56	54	-6.54	34.6	9.81	45.51	100	270	Average
5470	54.92	56.02	68.2	-13.28	34.6	9.81	45.51	100	270	Peak
5500	100.84	101.94	/	/	34.6	9.8	45.5	100	270	Peak
5500	91.08	92.18	/	/	34.6	9.8	45.5	100	270	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	53.54	54.47	74	-20.46	34.77	9.81	45.51	100	280	Peak
5460	47.41	48.34	54	-6.59	34.77	9.81	45.51	100	280	Average
5470	54.65	55.57	68.2	-13.55	34.78	9.81	45.51	100	280	Peak
5580	98.34	99.11	/	/	34.9	9.83	45.5	100	280	Peak
5580	89.34	90.11	/	/	34.9	9.83	45.5	100	280	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	53.32	54.42	74	-20.68	34.6	9.81	45.51	100	270	Peak
5460	47.25	48.35	54	-6.75	34.6	9.81	45.51	100	270	Average
5470	53.57	54.67	68.2	-14.63	34.6	9.81	45.51	100	270	Peak
5580	101.15	102.12	/	/	34.7	9.83	45.5	100	270	Peak
5580	91.25	92.22	/	/	34.7	9.83	45.5	100	270	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	102.04	102.63	/	/	35.04	9.87	45.5	100	280	Peak
5700	92.81	93.4	/	/	35.04	9.87	45.5	100	280	Average
5725	55.59	56.14	68.2	-12.61	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	101.42	102.21	/	/	34.84	9.87	45.5	100	270	Peak
5700	91.57	92.36	/	/	34.84	9.87	45.5	100	270	Average
5725	54.33	55.08	68.2	-13.87	34.87	9.88	45.5	100	270	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	53.55	54.47	68.2	-14.65	34.78	9.81	45.51	100	280	Peak
5720	101.05	101.62	/	/	35.06	9.87	45.5	100	280	Peak
5720	93.01	93.58	/	/	35.06	9.87	45.5	100	280	Average
5850	55.01	55.37	68.2	-13.19	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	54.71	55.81	68.2	-13.49	34.6	9.81	45.51	100	270	Peak
5720	102.14	102.91	/	/	34.86	9.87	45.5	100	270	Peak
5720	91.98	92.75	/	/	34.86	9.87	45.5	100	270	Average
5850	53.65	54.21	68.2	-14.55	35.02	9.92	45.5	100	270	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.



802.11ax (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	54.72	55.65	74	-19.28	34.77	9.81	45.51	100	280	Peak
5460	48.14	49.07	54	-5.86	34.77	9.81	45.51	100	280	Average
5470	53.64	54.56	68.2	-14.56	34.78	9.81	45.51	100	280	Peak
5510	91.56	92.45	/	/	34.81	9.8	45.5	100	280	Peak
5510	85.43	86.32	/	/	34.81	9.8	45.5	100	280	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	53.62	54.72	74	-20.38	34.6	9.81	45.51	100	270	Peak
5460	47.29	48.39	54	-6.71	34.6	9.81	45.51	100	270	Average
5470	55.47	56.57	68.2	-12.73	34.6	9.81	45.51	100	270	Peak
5510	95.75	96.84	/	/	34.61	9.8	45.5	100	270	Peak
5510	88.42	89.51	/	/	34.61	9.8	45.5	100	270	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	53.1	54.03	74	-20.9	34.77	9.81	45.51	100	280	Peak
5460	48.9	49.83	54	-5.1	34.77	9.81	45.51	100	280	Average
5470	55.44	56.36	68.2	-12.76	34.78	9.81	45.51	100	280	Peak
5550	93.72	94.54	/	/	34.86	9.82	45.5	100	280	Peak
5550	86.51	87.33	/	/	34.86	9.82	45.5	100	280	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	53.41	54.51	74	-20.59	34.6	9.81	45.51	100	270	Peak
5460	48.18	49.28	54	-5.82	34.6	9.81	45.51	100	270	Average
5470	53.56	54.66	68.2	-14.64	34.6	9.81	45.51	100	270	Peak
5550	95.62	96.64	/	/	34.66	9.82	45.5	100	270	Peak
5550	87.1	88.12	/	/	34.66	9.82	45.5	100	270	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	96.02	96.66	/	/	35	9.86	45.5	100	280	Peak
5670	89.2	89.84	/	/	35	9.86	45.5	100	280	Average
5725	53.49	54.41	68.2	-14.71	34.78	9.81	45.51	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	97.48	98.32	/	/	34.8	9.86	45.5	100	270	Peak
5670	88.56	89.4	/	/	34.8	9.86	45.5	100	270	Average
5725	56.37	57.12	68.2	-11.83	34.87	9.88	45.5	100	270	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	55.89	56.81	68.2	-12.31	34.78	9.81	45.51	100	280	Peak
5710	95.82	96.4	/	/	35.05	9.87	45.5	100	280	Peak
5710	89.58	90.16	/	/	35.05	9.87	45.5	100	280	Average
5850	56.85	57.21	68.2	-11.35	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	53.86	54.96	68.2	-14.34	34.6	9.81	45.51	100	270	Peak
5710	95.27	96.05	/	/	34.85	9.87	45.5	100	270	Peak
5710	89.73	90.51	/	/	21.27	9.87	45.5	100	270	Average
5850	54.39	54.95	68.2	-13.81	35.02	9.92	45.5	100	270	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.



802.11ax (80MHz)

CHANNEL	TX Channel 106	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	53.48	54.41	74	-20.52	34.77	9.81	45.51	100	280	Peak
5460	48.09	49.02	54	-5.91	34.77	9.81	45.51	100	280	Average
5470	55.38	56.3	68.2	-12.82	34.78	9.81	45.51	100	280	Peak
5530	89.3	90.15	/	/	34.84	9.81	45.5	100	280	Peak
5530	84.24	85.09	/	/	34.84	9.81	45.5	100	280	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	52.69	53.79	74	-21.31	34.6	9.81	45.51	100	270	Peak
5460	48.18	49.28	54	-5.82	34.6	9.81	45.51	100	270	Average
5470	52.69	53.79	68.2	-15.51	34.6	9.81	45.51	100	270	Peak
5530	90.2	91.25	/	/	34.64	9.81	45.5	100	270	Peak
5530	85.27	86.32	/	/	34.64	9.81	45.5	100	270	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5530MHz: Fundamental frequency.
- #: Out of restricted band.



CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.9	53.83	74	-21.1	34.77	9.81	45.51	100	280	Peak
5460	48.17	49.1	54	-5.83	34.77	9.81	45.51	100	280	Average
5470	54.06	54.98	68.2	-14.14	34.78	9.81	45.51	100	280	Peak
5610	89.63	90.36	/	/	34.93	9.84	45.5	100	280	Peak
5610	85.5	86.23	/	/	34.93	9.84	45.5	100	280	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	53.03	54.13	74	-20.97	34.6	9.81	45.51	100	270	Peak
5460	47.65	48.75	54	-6.35	34.6	9.81	45.51	100	270	Average
5470	53.82	54.92	68.2	-14.38	34.6	9.81	45.51	100	270	Peak
5610	91.5	92.43	/	/	34.73	9.84	45.5	100	270	Peak
5610	86.08	87.01	/	/	34.73	9.84	45.5	100	270	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5610MHz: Fundamental frequency.
- #: Out of restricted band.



CHANNEL	TX Channel 138	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	53.35	54.27	68.2	-14.85	34.78	9.81	45.51	100	280	Peak
5690	92.86	93.47	/	/	35.03	9.86	45.5	100	280	Peak
5690	87.11	87.72	/	/	35.03	9.86	45.5	100	280	Average
5850	55.11	55.47	68.2	-13.09	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	54.32	55.42	68.2	-13.88	34.6	9.81	45.51	100	270	Peak
5690	90.6	91.41	/	/	34.83	9.86	45.5	100	270	Peak
5690	87.94	88.75	/	/	34.83	9.86	45.5	100	270	Average
5850	55.72	56.28	68.2	-12.48	35.02	9.92	45.5	100	270	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5690MHz: Fundamental frequency.
- #: Out of restricted band.



**BUREAU
VERITAS**

Test Report No.: W7L-P22110036RF03

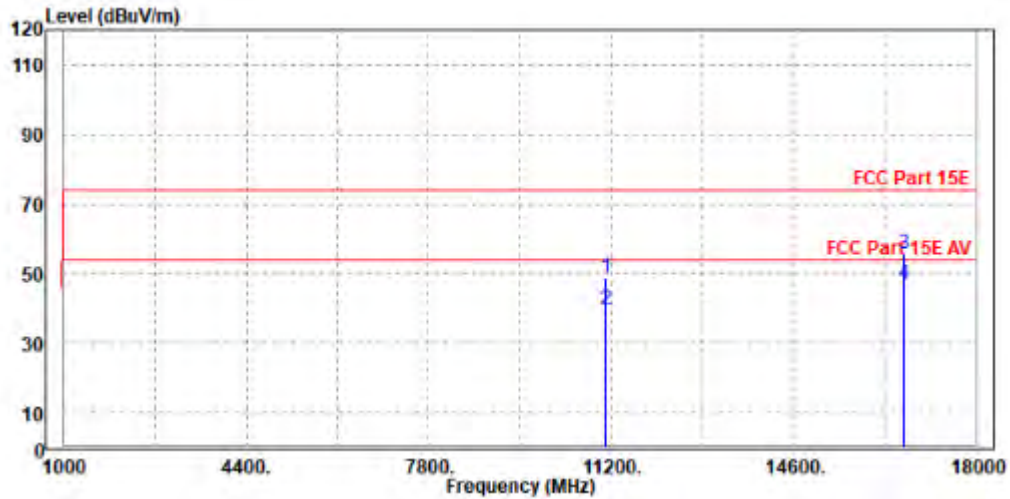
802.11ax (40MHz)

Worst case harmonic:

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

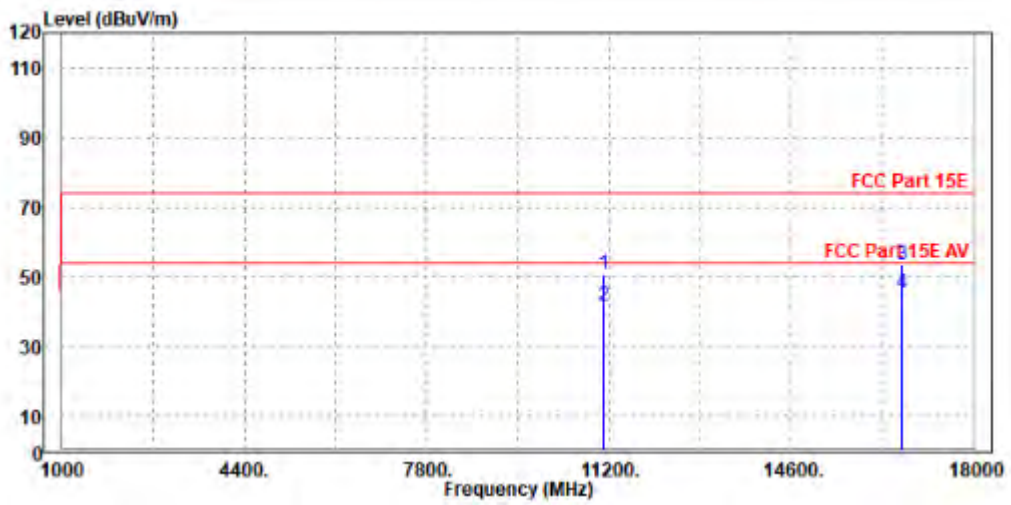
	Read	Limit	Over				
Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	11098.000	48.87	41.57	74.00	-25.13	7.30 Peak	Horizontal
2	11098.000	39.92	32.62	54.00	-14.08	7.30 Average	Horizontal
3	PK16650.000	55.59	39.27	74.00	-18.41	16.32 Peak	Horizontal
4	PP16650.000	47.16	30.84	54.00	-6.84	16.32 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	11100.000	50.53	42.79	74.00	-23.47	7.74	Peak	Vertical
2	11100.000	41.44	33.70	54.00	-12.56	7.74	Average	Vertical
3	PK16657.000	53.56	39.06	74.00	-20.44	14.50	Peak	Vertical
4	PP16657.000	45.02	30.52	54.00	-8.98	14.50	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5500MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



5G WIFI-RU

802.11ax (20MHz) (RU242):

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	56.36	57.29	74	-17.64	34.77	9.81	45.51	100	105	Peak
5460	47.8	48.73	54	-6.2	34.77	9.81	45.51	100	105	Average
5470	54.25	55.17	68.2	-13.95	34.78	9.81	45.51	100	105	Peak
5500	92.67	93.57	/	/	34.8	9.8	45.5	100	105	Peak
5500	84.11	85.01	/	/	34.8	9.8	45.5	100	105	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	53.2	54.3	74	-20.8	34.6	9.81	45.51	108	77	Peak
5460	47.11	48.21	54	-6.89	34.6	9.81	45.51	108	77	Average
5470	54.05	55.15	68.2	-14.15	34.6	9.81	45.51	108	77	Peak
5500	96.95	98.05	/	/	34.6	9.8	45.5	108	77	Peak
5500	87.75	88.85	/	/	34.6	9.8	45.5	108	77	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.



802.11ax (20MHz) (RU242):

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	54.15	55.08	74	-19.85	34.77	9.81	45.51	100	105	Peak
5460	47.97	48.9	54	-6.03	34.77	9.81	45.51	100	105	Average
5470	54.38	55.3	68.2	-13.82	34.78	9.81	45.51	100	105	Peak
5580	92	92.77	/	/	34.9	9.83	45.5	100	105	Peak
5580	83.83	84.6	/	/	34.9	9.83	45.5	100	105	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	55.09	56.19	74	-18.91	34.6	9.81	45.51	108	77	Peak
5460	47.61	48.71	54	-6.39	34.6	9.81	45.51	108	77	Average
5470	54.2	55.3	68.2	-14	34.6	9.81	45.51	108	77	Peak
5580	97.09	98.06	/	/	34.7	9.83	45.5	108	77	Peak
5580	88.51	89.48	/	/	34.7	9.83	45.5	108	77	Average

REMARKS:

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



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	93.83	94.42	/	/	35.04	9.87	45.5	100	105	Peak
5700	85.45	86.04	/	/	35.04	9.87	45.5	100	105	Average
5725	55.99	56.54	68.2	-12.21	35.07	9.88	45.5	100	105	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	98.76	99.55	/	/	34.84	9.87	45.5	108	77	Peak
5700	90.26	91.05	/	/	34.84	9.87	45.5	108	77	Average
5725	56.06	56.81	68.2	-12.14	34.87	9.88	45.5	108	77	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	53.42	54.34	68.2	-14.78	34.78	9.81	45.51	100	105	Peak
5720	94.4	94.97	/	/	35.06	9.87	45.5	100	105	Peak
5720	85.83	86.4	/	/	35.06	9.87	45.5	100	105	Average
5850	55.47	55.83	68.2	-12.73	35.22	9.92	45.5	100	105	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	53.44	54.54	68.2	-14.76	34.6	9.81	45.51	108	77	Peak
5720	99.41	100.18	/	/	34.86	9.87	45.5	108	77	Peak
5720	90.19	90.96	/	/	34.86	9.87	45.5	108	77	Average
5850	54.7	55.26	68.2	-13.5	35.02	9.92	45.5	108	77	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.



802.11ax (40MHz) (RU484):

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	54.26	55.19	74	-19.74	34.77	9.81	45.51	100	105	Peak
5460	47.95	48.88	54	-6.05	34.77	9.81	45.51	100	105	Average
5470	53.69	54.61	68.2	-14.51	34.78	9.81	45.51	100	105	Peak
5510	89.27	90.16	/	/	34.81	9.8	45.5	100	105	Peak
5510	81.28	82.17	/	/	34.81	9.8	45.5	100	105	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	53.43	54.53	74	-20.57	34.6	9.81	45.51	108	77	Peak
5460	48.15	49.25	54	-5.85	34.6	9.81	45.51	108	77	Average
5470	53.3	54.4	68.2	-14.9	34.6	9.81	45.51	108	77	Peak
5510	92.75	93.84	/	/	34.61	9.8	45.5	108	77	Peak
5510	84.92	86.01	/	/	34.61	9.8	45.5	108	77	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	53.75	54.68	74	-20.25	34.77	9.81	45.51	100	105	Peak
5460	48.62	49.55	54	-5.38	34.77	9.81	45.51	100	105	Average
5470	54.18	55.1	68.2	-14.02	34.78	9.81	45.51	100	105	Peak
5550	87.87	88.69	/	/	34.86	9.82	45.5	100	105	Peak
5550	80.98	81.8	/	/	34.86	9.82	45.5	100	105	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	56.17	57.27	74	-17.83	34.6	9.81	45.51	108	77	Peak
5460	47.66	48.76	54	-6.34	34.6	9.81	45.51	108	77	Average
5470	54.69	55.79	68.2	-13.51	34.6	9.81	45.51	108	77	Peak
5550	91.9	92.92	/	/	34.66	9.82	45.5	108	77	Peak
5550	85.01	86.03	/	/	34.66	9.82	45.5	108	77	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	88.61	89.25	/	/	35	9.86	45.5	100	105	Peak
5670	81.58	82.22	/	/	35	9.86	45.5	100	105	Average
5725	55.27	55.82	68.2	-12.93	35.07	9.88	45.5	100	105	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	93.16	94	/	/	34.8	9.86	45.5	108	77	Peak
5670	86.31	87.15	/	/	34.8	9.86	45.5	108	77	Average
5725	56.88	57.63	68.2	-11.32	34.87	9.88	45.5	108	77	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	53.72	54.64	68.2	-14.48	34.78	9.81	45.51	100	105	Peak
5710	89.83	90.41	/	/	35.05	9.87	45.5	100	105	Peak
5710	82.7	83.28	/	/	35.05	9.87	45.5	100	105	Average
5850	56.06	56.42	68.2	-12.14	35.22	9.92	45.5	100	105	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	53.19	54.29	68.2	-15.01	34.6	9.81	45.51	108	77	Peak
5710	94.05	94.83	/	/	34.85	9.87	45.5	108	77	Peak
5710	87.29	88.07	/	/	34.85	9.87	45.5	108	77	Average
5850	55.01	55.57	68.2	-13.19	35.02	9.92	45.5	108	77	Peak

REMARKS:

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



802.11ax (80MHz) (RU996):

CHANNEL	TX Channel 106	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	53.73	54.66	74	-20.27	34.77	9.81	45.51	100	105	Peak
5460	48.17	49.1	54	-5.83	34.77	9.81	45.51	100	105	Average
5470	53.08	54	68.2	-15.12	34.78	9.81	45.51	100	105	Peak
5530	84.26	85.11	/	/	34.84	9.81	45.5	100	105	Peak
5530	78.6	79.45	/	/	34.84	9.81	45.5	100	105	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	53.91	55.01	74	-20.09	34.6	9.81	45.51	108	77	Peak
5460	48.12	49.22	54	-5.88	34.6	9.81	45.51	108	77	Average
5470	55.28	56.38	68.2	-12.92	34.6	9.81	45.51	108	77	Peak
5530	89.08	90.13	/	/	34.64	9.81	45.5	108	77	Peak
5530	82.43	83.48	/	/	34.64	9.81	45.5	108	77	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5530MHz: Fundamental frequency.
3. #: Out of restricted band.



CHANNEL	TX Channel 122	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	53.26	54.19	74	-20.74	34.77	9.81	45.51	100	105	Peak
5460	48.14	49.07	54	-5.86	34.77	9.81	45.51	100	105	Average
5470	52.93	53.85	68.2	-15.27	34.78	9.81	45.51	100	105	Peak
5610	84.29	85.02	/	/	34.93	9.84	45.5	100	105	Peak
5610	78.94	79.67	/	/	34.93	9.84	45.5	100	105	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	53.61	54.71	74	-20.39	34.6	9.81	45.51	108	77	Peak
5460	47.44	48.54	54	-6.56	34.6	9.81	45.51	108	77	Average
5470	52.2	53.3	68.2	-16	34.6	9.81	45.51	108	77	Peak
5610	89.6	90.53	/	/	34.73	9.84	45.5	108	77	Peak
5610	83.95	84.88	/	/	34.73	9.84	45.5	108	77	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5610MHz: Fundamental frequency.
- #: Out of restricted band.



CHANNEL	TX Channel 138	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	53.48	54.4	68.2	-14.72	34.78	9.81	45.51	100	105	Peak
5690	85.73	86.34	/	/	35.03	9.86	45.5	100	105	Peak
5690	79.33	79.94	/	/	35.03	9.86	45.5	100	105	Average
5850	54.04	54.4	68.2	-14.16	35.22	9.92	45.5	100	105	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	53.8	54.9	68.2	-14.4	34.6	9.81	45.51	108	77	Peak
5690	90.05	90.86	/	/	34.83	9.86	45.5	108	77	Peak
5690	83.79	84.6	/	/	34.83	9.86	45.5	108	77	Average
5850	56.87	57.43	68.2	-11.33	35.02	9.92	45.5	108	77	Peak

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5690MHz: Fundamental frequency.
- #: Out of restricted band.



**BUREAU
VERITAS**

Test Report No.: W7L-P22110036RF03

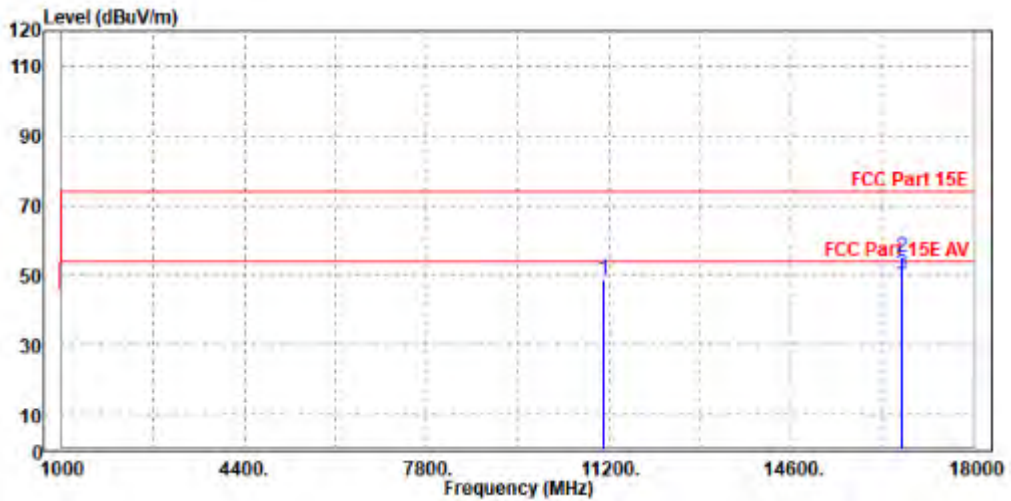
802.11ax (40MHz) (RU484):

Worst case harmonic:

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

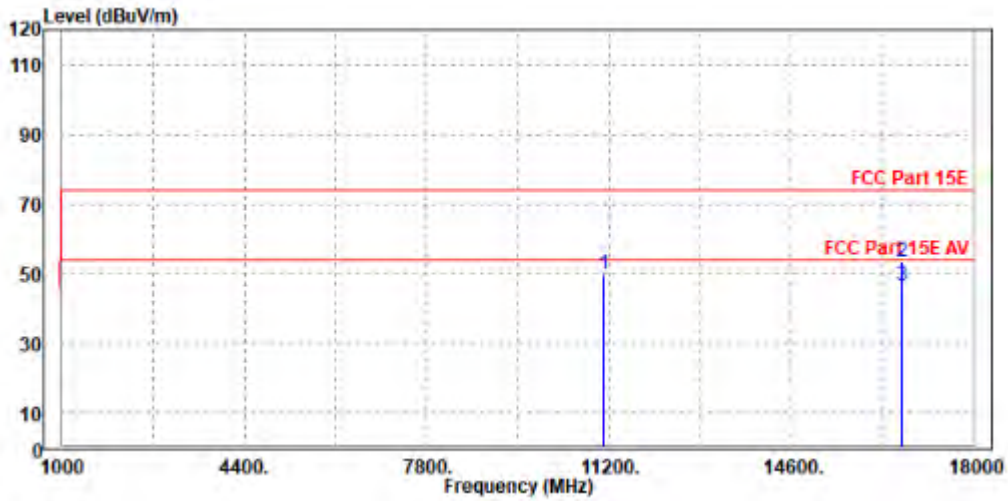
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	11100.000	48.84	41.54	74.00	-25.16	7.30	Peak	Horizontal
2	PK16657.000	55.41	39.04	74.00	-18.59	16.37	Peak	Horizontal
3	PP16657.000	50.21	33.84	54.00	-3.79	16.37	Average	Horizontal





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	11098.000	49.81	42.07	74.00	-24.19	7.74	Peak	Vertical
2	PK16650.000	53.36	38.91	74.00	-20.64	14.45	Peak	Vertical
3	PP16650.000	46.38	31.93	54.00	-7.62	14.45	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5500MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



Band 4:

802.11a

CHANNEL	TX Channel 149	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
5745	103.18	103.71	/	/	35.09	9.88	45.5	100	280	Peak
5745	95.62	96.15	/	/	35.09	9.88	45.5	100	280	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
5745	103.57	104.3	/	/	34.89	9.88	45.5	100	270	Peak
5745	96.51	97.24	/	/	34.89	9.88	45.5	100	270	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5745MHz: Fundamental frequency.

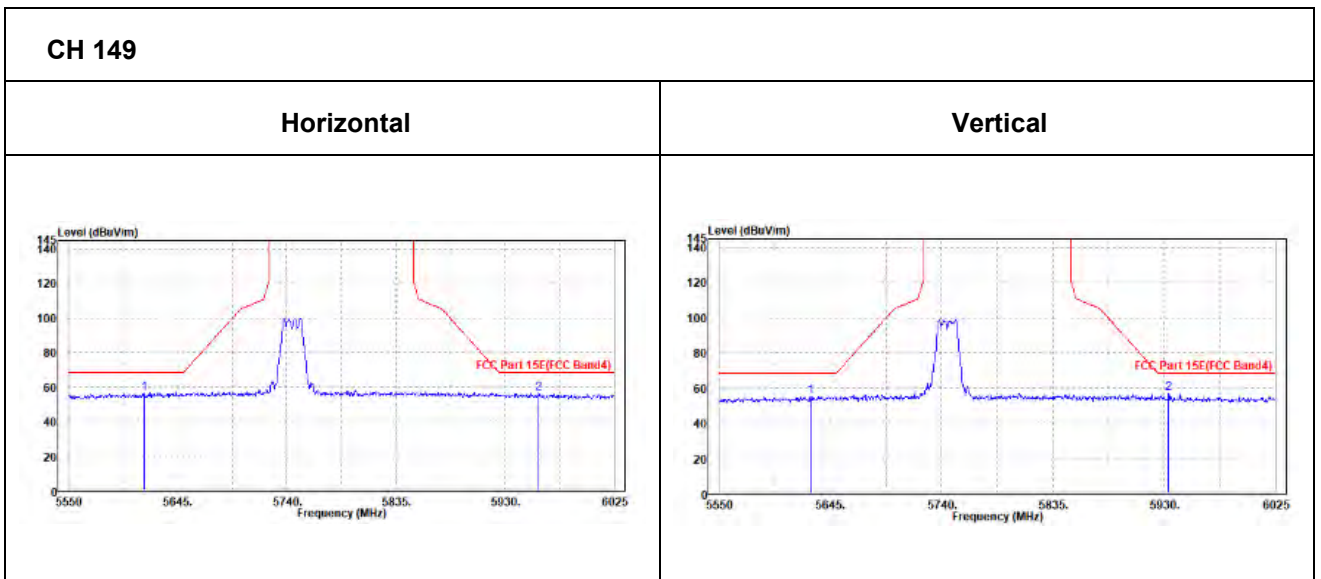


Oobe Data

802.11a

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
5615.55	56.03	56.75	68.2	-12.17	34.94	9.84	45.5	100	280	Peak
5959.45	56.43	56.62	68.2	-11.77	35.35	9.96	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
5627.9	55.2	56.11	68.2	-13	34.75	9.84	45.5	100	0	Peak
5933.8	57.01	57.44	68.2	-11.19	35.12	9.95	45.5	100	0	Peak





CHANNEL	TX Channel 157	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
5785	103.58	104.04	/	/	35.14	9.9	45.5	100	280	Peak
5785	97.22	97.68	/	/	35.14	9.9	45.5	100	280	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
5785	103.65	104.31	/	/	34.94	9.9	45.5	100	270	Peak
5785	97.53	98.19	/	/	34.94	9.9	45.5	100	270	Average

REMARKS:

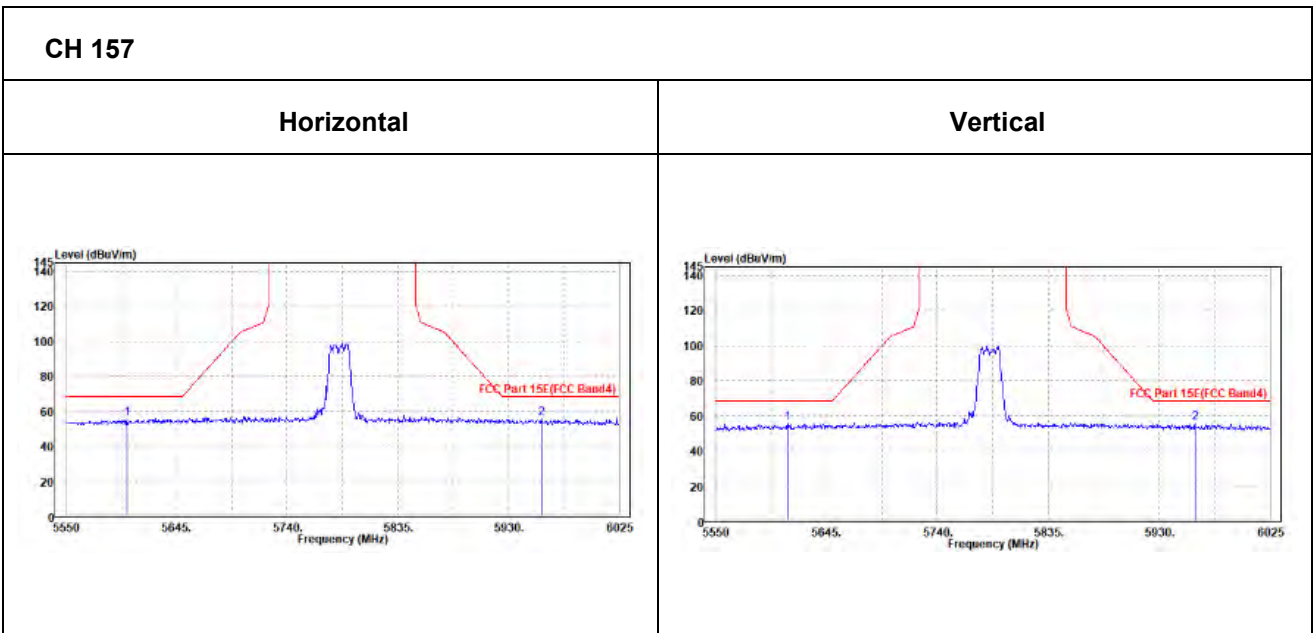
- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5785MHz: Fundamental frequency.



Oobe Data

802.11a

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
5602.725	55.62	56.37	68.2	-12.58	34.92	9.83	45.5	100	0	Peak
5958.5	55.48	55.67	68.2	-12.72	35.35	9.96	45.5	100	0	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
5611.75	55.58	56.51	68.2	-12.62	34.73	9.84	45.5	100	360	Peak
5960.875	55.66	56.05	68.2	-12.54	35.15	9.96	45.5	100	360	Peak





CHANNEL	TX Channel 165	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
5825	102.73	103.13	/	/	35.19	9.91	45.5	100	280	Peak
5825	96.94	97.34	/	/	35.19	9.91	45.5	100	280	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
5825	102.27	102.87	/	/	34.99	9.91	45.5	100	270	Peak
5825	96.62	97.22	/	/	34.99	9.91	45.5	100	270	Average

REMARKS:

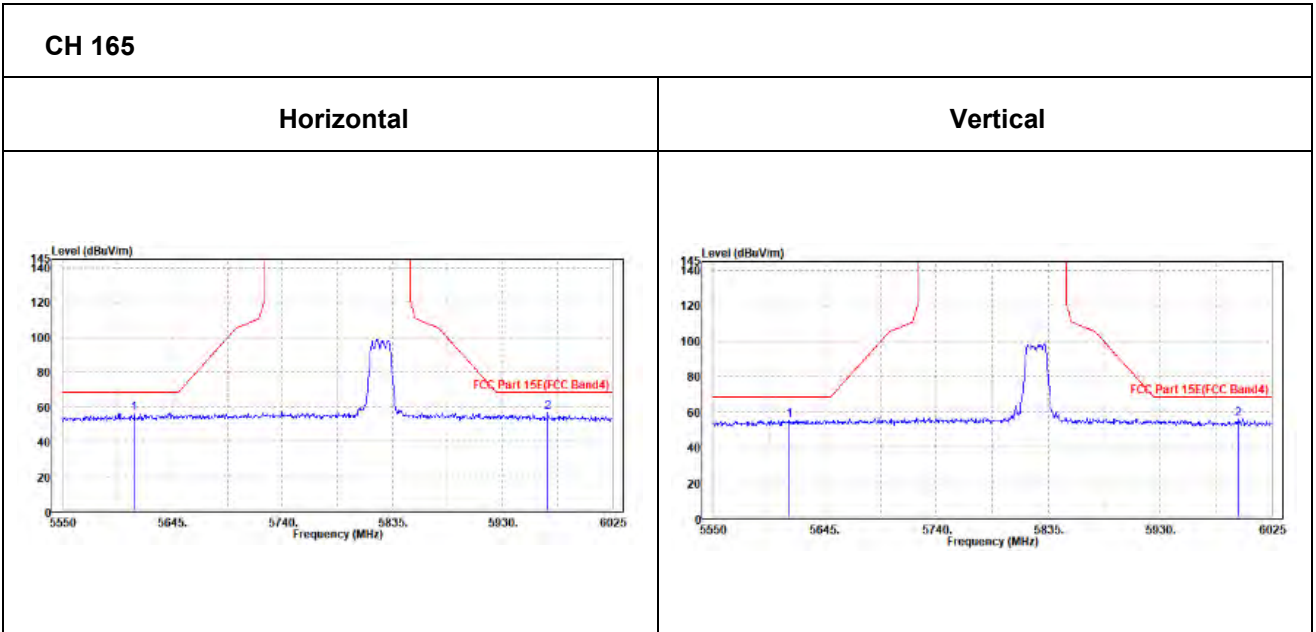
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5825MHz: Fundamental frequency.



Oobe Data

802.11a

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
5611.75	56.24	56.97	68.2	-11.96	34.93	9.84	45.5	100	0	Peak
5969.425	56.69	56.87	68.2	-11.51	35.36	9.96	45.5	100	0	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
5614.6	55.16	56.08	68.2	-13.04	34.74	9.84	45.5	100	360	Peak
5996.5	55.65	55.98	68.2	-12.55	35.2	9.97	45.5	100	360	Peak





802.11n (20MHz)

CHANNEL	TX Channel 149	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
5745	103.15	103.68	/	/	35.09	9.88	45.5	100	280	Peak
5745	95.3	95.83	/	/	35.09	9.88	45.5	100	280	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
5745	101.54	102.27	/	/	34.89	9.88	45.5	100	270	Peak
5745	95.03	95.76	/	/	34.89	9.88	45.5	100	270	Average

REMARKS:

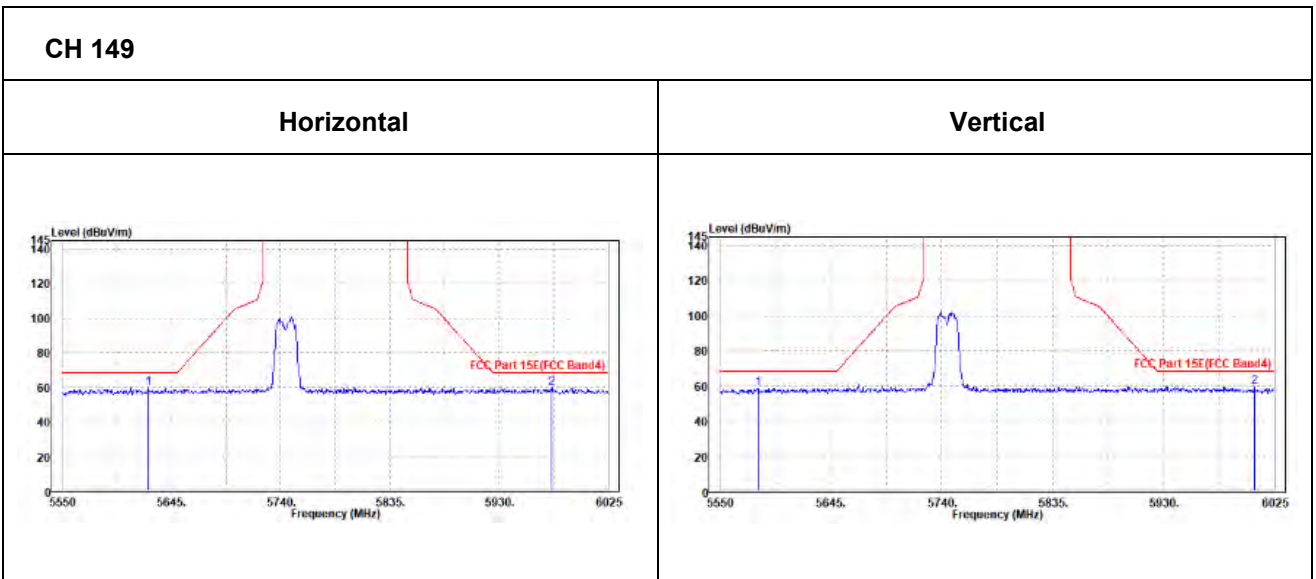
- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5745MHz: Fundamental frequency.



Oobe Data

802.11n (20MHz)

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
5624.575	59.77	60.48	68.2	-8.43	34.95	9.84	45.5	100	360	Peak
5976.075	59.65	59.82	68.2	-8.55	35.37	9.96	45.5	100	360	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
5582.3	58.49	59.46	68.2	-9.71	34.7	9.83	45.5	100	0	Peak
6007.9	59.75	60.06	68.2	-8.45	35.21	9.98	45.5	100	0	Peak





CHANNEL	TX Channel 157	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
5785	102.49	102.95	/	/	35.14	9.9	45.5	100	280	Peak
5785	95.87	96.33	/	/	35.14	9.9	45.5	100	280	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
5785	102.66	103.32	/	/	34.94	9.9	45.5	100	270	Peak
5785	95.76	96.42	/	/	34.94	9.9	45.5	100	270	Average

REMARKS:

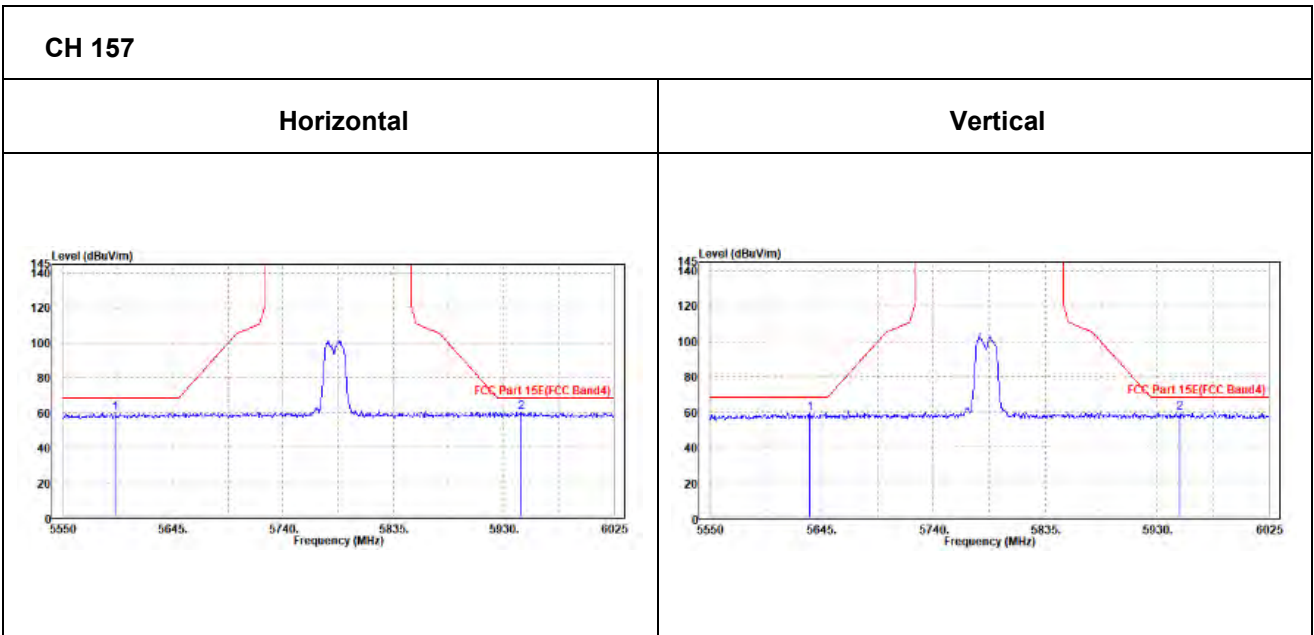
1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5785MHz: Fundamental frequency.



Oobe Data

802.11n (20MHz)

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
5595.125	59.72	60.48	68.2	-8.48	34.91	9.83	45.5	100	0	Peak
5945.2	60.21	60.43	68.2	-7.99	35.33	9.95	45.5	100	0	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
5635.025	58.89	59.78	68.2	-9.31	34.76	9.85	45.5	100	360	Peak
5949.475	59.31	59.72	68.2	-8.89	35.14	9.95	45.5	100	360	Peak





CHANNEL	TX Channel 165	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
5825	102.41	102.81	/	/	35.19	9.91	45.5	100	280	Peak
5825	94.79	95.19	/	/	35.19	9.91	45.5	100	280	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
5825	101.04	101.64	/	/	34.99	9.91	45.5	100	270	Peak
5825	94.55	95.15	/	/	34.99	9.91	45.5	100	270	Average

REMARKS:

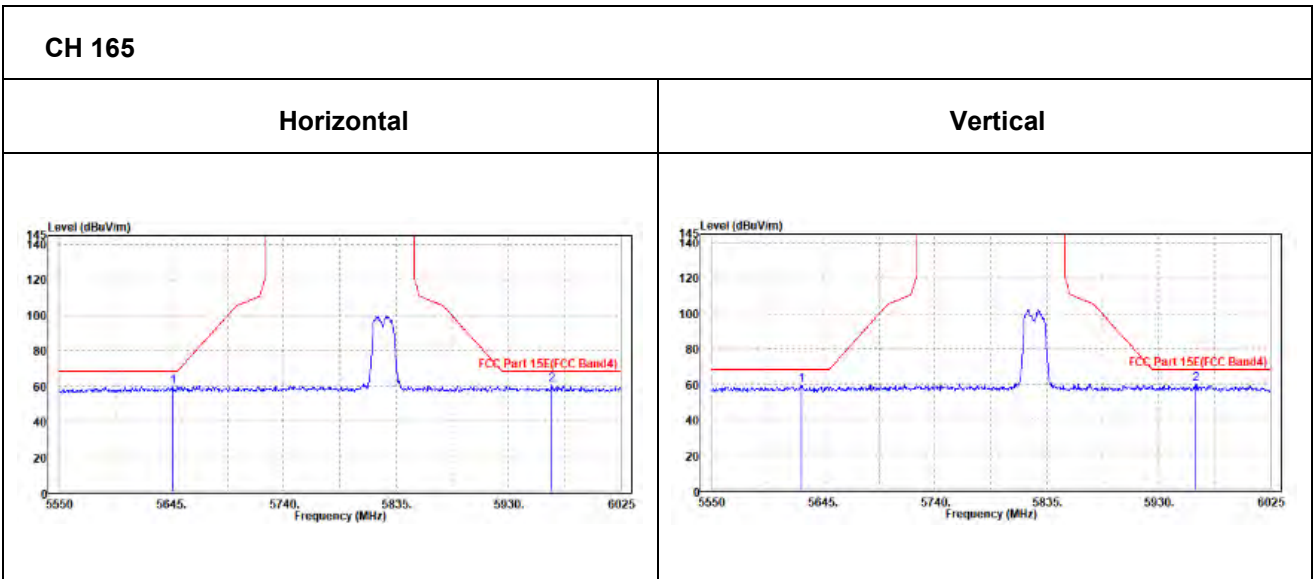
- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5825MHz: Fundamental frequency.



Oobe Data

802.11n (20MHz)

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
5646.425	59.8	60.47	68.2	-8.4	34.98	9.85	45.5	100	360	Peak
5967.05	60.57	60.75	68.2	-7.63	35.36	9.96	45.5	100	360	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
5626.475	59.33	60.24	68.2	-8.87	34.75	9.84	45.5	100	0	Peak
5961.825	59.84	60.23	68.2	-8.36	35.15	9.96	45.5	100	0	Peak





802.11n (40MHz)

CHANNEL	TX Channel 151	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
5755	96.77	97.27	/	/	35.11	9.89	45.5	100	280	Peak
5755	93.13	93.63	/	/	35.11	9.89	45.5	100	280	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
5755	97.68	98.38	/	/	34.91	9.89	45.5	100	270	Peak
5755	92.87	93.57	/	/	34.91	9.89	45.5	100	270	Average

REMARKS:

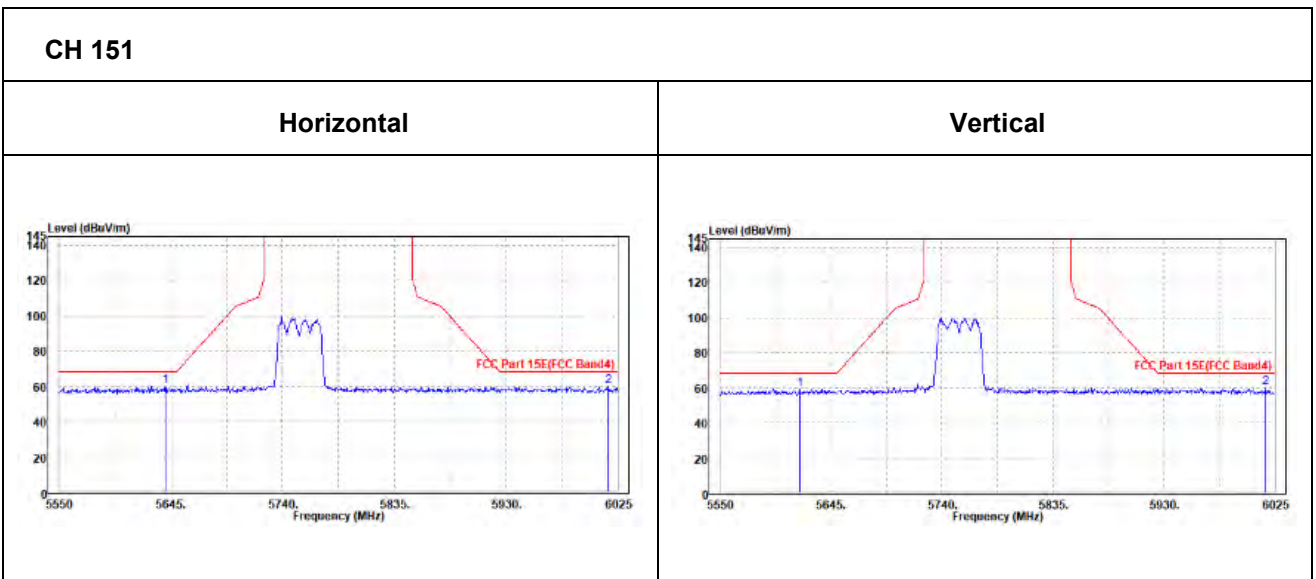
- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5755MHz: Fundamental frequency.



Oobe Data

802.11n (40MHz)

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
5640.725	60.14	60.82	68.2	-8.06	34.97	9.85	45.5	100	0	Peak
6017.4	59.87	59.98	68.2	-8.33	35.4	9.98	45.49	100	0	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
5617.925	59.24	60.16	68.2	-8.96	34.74	9.84	45.5	100	360	Peak
6017.4	60.33	60.62	68.2	-7.87	35.22	9.98	45.49	100	360	Peak





CHANNEL	TX Channel 159	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
5795	98.26	98.71	/	/	35.15	9.9	45.5	100	280	Peak
5795	92.76	93.21	/	/	35.15	9.9	45.5	100	280	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
5795	97.97	98.62	/	/	34.95	9.9	45.5	100	270	Peak
5795	93.01	93.66	/	/	34.95	9.9	45.5	100	270	Average

REMARKS:

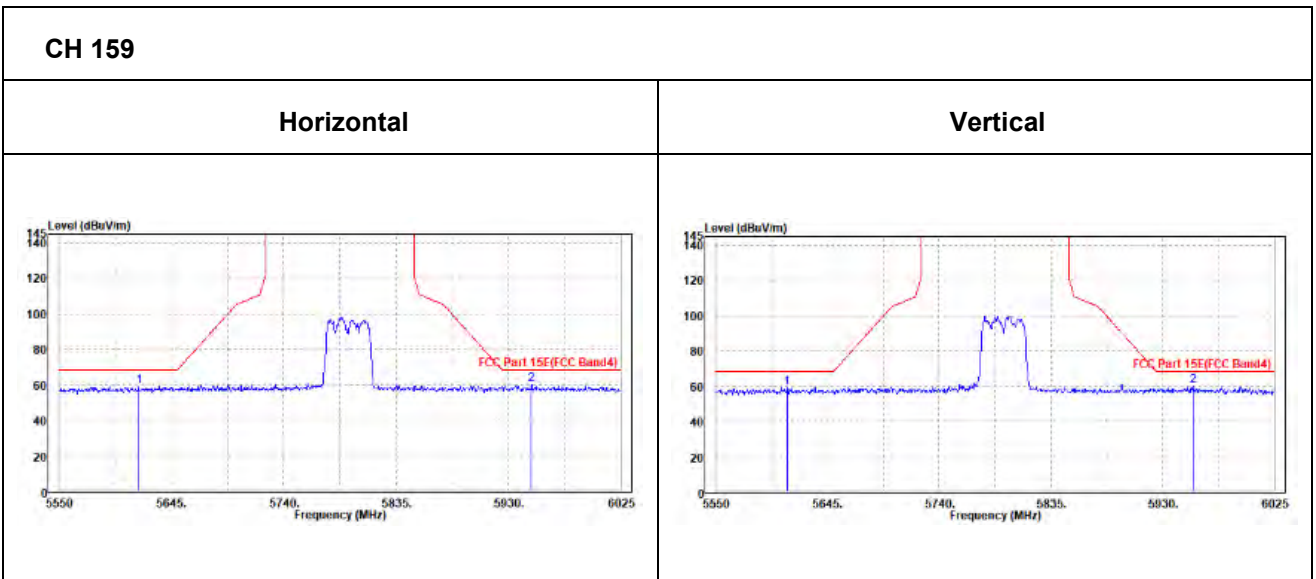
- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5795MHz: Fundamental frequency.



OBE DATA

802.11n (40MHZ)

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
5616.975	59.21	59.93	68.2	-8.99	34.94	9.84	45.5	100	360	Peak
5949.475	60.12	60.33	68.2	-8.08	35.34	9.95	45.5	100	360	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
5610.325	59.09	60.02	68.2	-9.11	34.73	9.84	45.5	100	0	Peak
5955.65	60.21	60.61	68.2	-7.99	35.15	9.95	45.5	100	0	Peak





802.11ac (20MHz)

CHANNEL	TX Channel 149	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
5745	101.15	101.68	/	/	35.09	9.88	45.5	100	280	Peak
5745	94.48	95.01	/	/	35.09	9.88	45.5	100	280	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
5745	100.89	101.62	/	/	34.89	9.88	45.5	100	270	Peak
5745	93.44	94.17	/	/	34.89	9.88	45.5	100	270	Average

REMARKS:

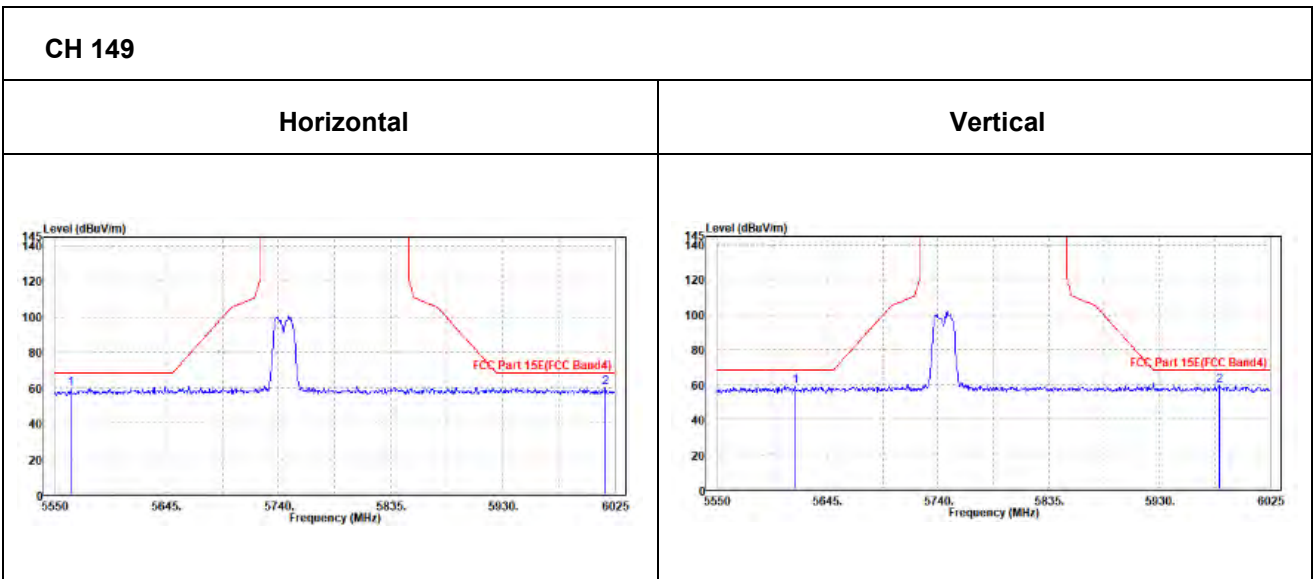
- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5745MHz: Fundamental frequency.



OOBE DATA

802.11ac (20MHZ)

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
5563.775	59.4	60.2	68.2	-8.8	34.88	9.82	45.5	100	0	Peak
6016.925	60.02	60.13	68.2	-8.18	35.4	9.98	45.49	100	0	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
5616.975	59.1	60.02	68.2	-9.1	34.74	9.84	45.5	100	360	Peak
5981.3	59.47	59.83	68.2	-8.73	35.18	9.96	45.5	100	360	Peak





CHANNEL	TX Channel 157	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
5785	101.17	101.63	/	/	35.14	9.9	45.5	100	280	Peak
5785	95.04	95.5	/	/	35.14	9.9	45.5	100	280	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
5785	100.31	100.97	/	/	34.94	9.9	45.5	100	270	Peak
5785	94.11	94.77	/	/	34.94	9.9	45.5	100	270	Average

REMARKS:

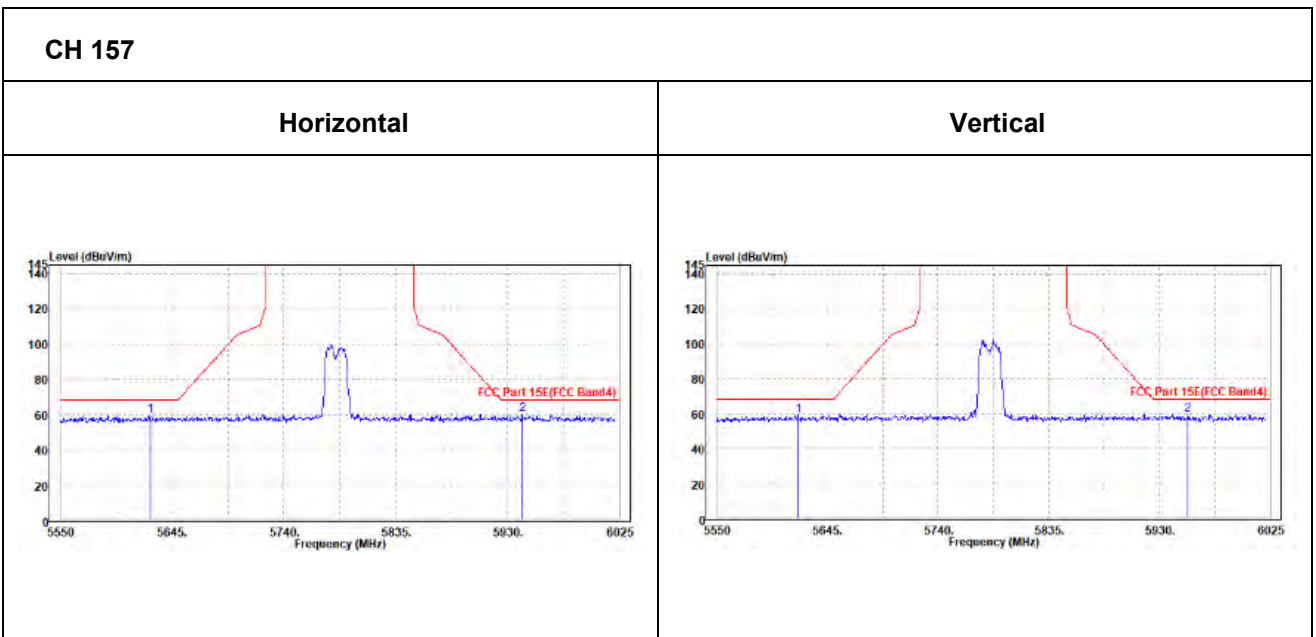
- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5785MHz: Fundamental frequency.



Oobe Data

802.11ac (20MHz)

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
5626.35	59.44	60.15	68.2	-8.76	34.95	9.84	45.5	100	360	Peak
5942.7	59.89	60.11	68.2	-8.31	35.33	9.95	45.5	100	360	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
5619.7	59.2	60.12	68.2	-9	34.74	9.84	45.5	100	0	Peak
5954.575	59.77	60.17	68.2	-8.43	35.15	9.95	45.5	100	0	Peak





CHANNEL	TX Channel 165	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
5825	101.09	101.49	/	/	35.19	9.91	45.5	100	280	Peak
5825	93.84	94.24	/	/	35.19	9.91	45.5	100	280	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
5825	99.78	100.38	/	/	34.99	9.91	45.5	100	270	Peak
5825	92.67	93.27	/	/	34.99	9.91	45.5	100	270	Average

REMARKS:

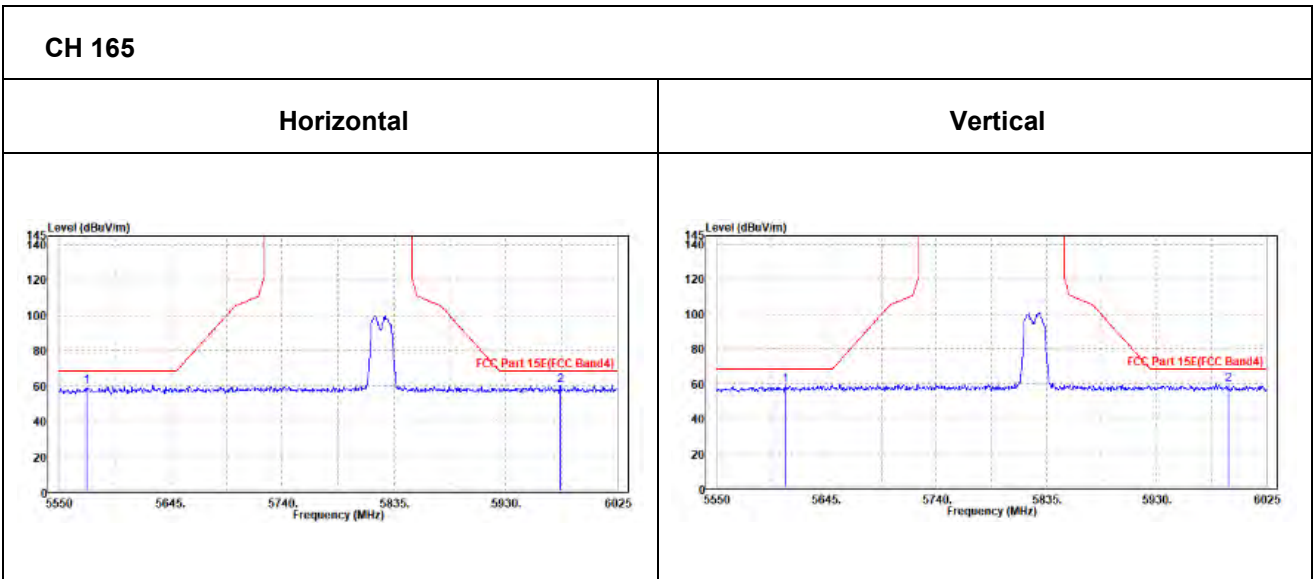
- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5825MHz: Fundamental frequency.



Oobe Data

802.11ac (20MHz)

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
5573.275	59.59	60.38	68.2	-8.61	34.89	9.82	45.5	100	0	Peak
5976.55	60.07	60.24	68.2	-8.13	35.37	9.96	45.5	100	0	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
5609.375	58.77	59.7	68.2	-9.43	34.73	9.84	45.5	100	360	Peak
5992.225	59.7	60.04	68.2	-8.5	35.19	9.97	45.5	100	360	Peak





802.11ac (40MHz)

CHANNEL	TX Channel 151	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
5755	95.76	96.26	/	/	35.11	9.89	45.5	100	280	Peak
5755	91.59	92.09	/	/	35.11	9.89	45.5	100	280	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
5755	95.48	96.18	/	/	34.91	9.89	45.5	100	270	Peak
5755	91.8	92.5	/	/	34.91	9.89	45.5	100	270	Average

REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
- 5755MHz: Fundamental frequency.



Oobe Data

802.11ac (40MHz)

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
5620.3	59.21	59.93	68.2	-8.99	34.94	9.84	45.5	100	360	Peak
5942.35	59.92	60.14	68.2	-8.28	35.33	9.95	45.5	100	360	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
5635.025	58.95	59.84	68.2	-9.25	34.76	9.85	45.5	100	0	Peak
5996.5	59.18	59.51	68.2	-9.02	35.2	9.97	45.5	100	0	Peak

