



**BUREAU
VERITAS**

Test Report No.: W7L-P23080006RF03

802.11ac (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.23	55.3	74	-19.77	34.52	9.92	45.51	195	323	Peak
5150	47.85	48.92	54	-6.15	34.52	9.92	45.51	195	323	Average
5260	105.14	106.16	/	/	34.61	9.88	45.51	195	323	Peak
5260	98.57	99.59	/	/	34.61	9.88	45.51	195	323	Average
5350	53.9	54.88	74	-20.1	34.68	9.85	45.51	195	323	Peak
5350	47.19	48.17	54	-6.81	34.68	9.85	45.51	195	323	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.77	55.76	74	-19.23	34.6	9.92	45.51	100	292	Peak
5150	47.91	48.9	54	-6.09	34.6	9.92	45.51	100	292	Average
5260	100.39	101.42	/	/	34.6	9.88	45.51	100	292	Peak
5260	93.62	94.65	/	/	34.6	9.88	45.51	100	292	Average
5350	54.64	55.7	74	-19.36	34.6	9.85	45.51	100	292	Peak
5350	48.85	49.91	54	-5.15	34.6	9.85	45.51	100	292	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5260MHz: Fundamental frequency.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.85	53.92	74	-21.15	34.52	9.92	45.51	195	323	Peak
5150	48.09	49.16	54	-5.91	34.52	9.92	45.51	195	323	Average
5300	105.58	106.58	/	/	34.64	9.87	45.51	195	323	Peak
5300	98.17	99.17	/	/	34.64	9.87	45.51	195	323	Average
5350	54.4	55.38	74	-19.6	34.68	9.85	45.51	195	323	Peak
5350	48.56	49.54	54	-5.44	34.68	9.85	45.51	195	323	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	54.44	55.43	74	-19.56	34.6	9.92	45.51	100	292	Peak
5150	47.95	48.94	54	-6.05	34.6	9.92	45.51	100	292	Average
5300	100	101.04	/	/	34.6	9.87	45.51	100	292	Peak
5300	93.59	94.63	/	/	34.6	9.87	45.51	100	292	Average
5350	53.24	54.3	74	-20.76	34.6	9.85	45.51	100	292	Peak
5350	47.43	48.49	54	-6.57	34.6	9.85	45.51	100	292	Average

REMARKS:

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

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.84	54.91	74	-20.16	34.52	9.92	45.51	200	323	Peak
5150	47.5	48.57	54	-6.5	34.52	9.92	45.51	200	323	Average
5320	104.75	105.74	/	/	34.66	9.86	45.51	200	323	Peak
5320	98.28	99.27	/	/	34.66	9.86	45.51	200	323	Average
5350	56.52	57.5	74	-17.48	34.68	9.85	45.51	200	323	Peak
5350	48.52	49.5	54	-5.48	34.68	9.85	45.51	200	323	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.53	53.52	74	-21.47	34.6	9.92	45.51	100	292	Peak
5150	47.89	48.88	54	-6.11	34.6	9.92	45.51	100	292	Average
5320	99.8	100.85	/	/	34.6	9.86	45.51	100	292	Peak
5320	92.45	93.5	/	/	34.6	9.86	45.51	100	292	Average
5350	53.16	54.22	74	-20.84	34.6	9.85	45.51	100	292	Peak
5350	47.61	48.67	54	-6.39	34.6	9.85	45.51	100	292	Average

REMARKS:

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



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Test Report No.: W7L-P23080006RF03

802.11ac (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.72	53.79	74	-21.28	34.52	9.92	45.51	200	323	Peak
5150	47.89	48.96	54	-6.11	34.52	9.92	45.51	200	323	Average
5270	98.89	99.9	/	/	34.62	9.88	45.51	200	323	Peak
5270	94.42	95.43	/	/	34.62	9.88	45.51	200	323	Average
5350	52.48	53.46	74	-21.52	34.68	9.85	45.51	200	323	Peak
5350	47.87	48.85	54	-6.13	34.68	9.85	45.51	200	323	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	53.87	54.86	74	-20.13	34.6	9.92	45.51	100	292	Peak
5150	47.91	48.9	54	-6.09	34.6	9.92	45.51	100	292	Average
5270	93.77	94.8	/	/	34.6	9.88	45.51	100	292	Peak
5270	88.8	89.83	/	/	34.6	9.88	45.51	100	292	Average
5350	53.88	54.94	74	-20.12	34.6	9.85	45.51	100	292	Peak
5350	47.93	48.99	54	-6.07	34.6	9.85	45.51	100	292	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5270MHz: Fundamental frequency.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	51.98	53.05	74	-22.02	34.52	9.92	45.51	200	323	Peak
5150	48.37	49.44	54	-5.63	34.52	9.92	45.51	200	323	Average
5310	98.44	99.44	/	/	34.65	9.86	45.51	200	323	Peak
5310	93.1	94.1	/	/	34.65	9.86	45.51	200	323	Average
5350	53.42	54.4	74	-20.58	34.68	9.85	45.51	200	323	Peak
5350	48.7	49.68	54	-5.3	34.68	9.85	45.51	200	323	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.26	53.25	74	-21.74	34.6	9.92	45.51	100	292	Peak
5150	48.08	49.07	54	-5.92	34.6	9.92	45.51	100	292	Average
5310	93.18	94.23	/	/	34.6	9.86	45.51	100	292	Peak
5310	88.57	89.62	/	/	34.6	9.86	45.51	100	292	Average
5350	54.38	55.44	74	-19.62	34.6	9.85	45.51	100	292	Peak
5350	48.77	49.83	54	-5.23	34.6	9.85	45.51	100	292	Average

REMARKS:

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



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Test Report No.: W7L-P23080006RF03

802.11ac (80MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.34	53.41	74	-21.66	34.52	9.92	45.51	200	323	Peak
5150	48.62	49.69	54	-5.38	34.52	9.92	45.51	200	323	Average
5290	95.47	96.48	/	/	34.63	9.87	45.51	200	323	Peak
5290	90.29	91.3	/	/	34.63	9.87	45.51	200	323	Average
5350	55.37	56.35	74	-18.63	34.68	9.85	45.51	200	323	Peak
5350	50.88	51.86	54	-3.12	34.68	9.85	45.51	200	323	Average
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5150	52.26	53.25	74	-21.74	34.6	9.92	45.51	100	292	Peak
5150	48.2	49.19	54	-5.8	34.6	9.92	45.51	100	292	Average
5310	91	92.05	/	/	34.6	9.86	45.51	100	292	Peak
5310	85.94	86.99	/	/	34.6	9.86	45.51	100	292	Average
5350	54.11	55.17	74	-19.89	34.6	9.85	45.51	100	292	Peak
5350	49.35	50.41	54	-4.65	34.6	9.85	45.51	100	292	Average

REMARKS:

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



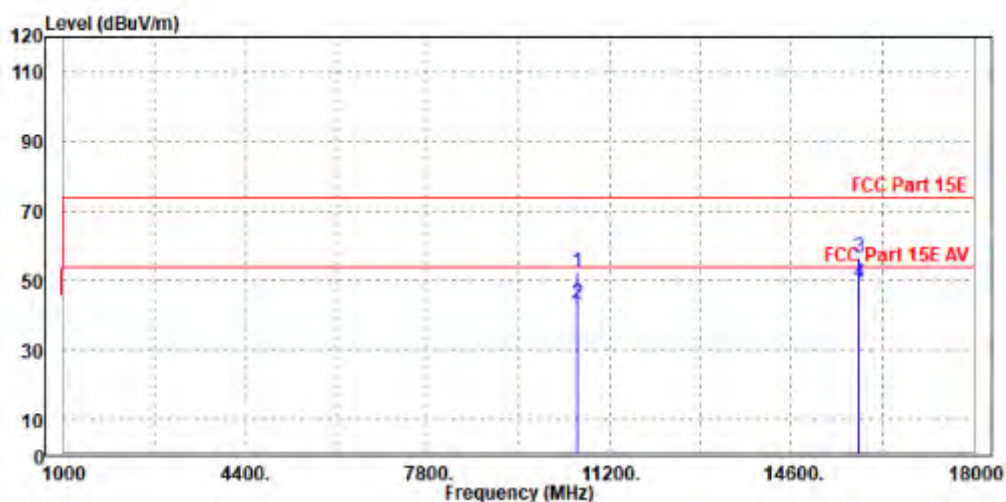
802.11ac (80MHz)

Worst case harmonic:

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

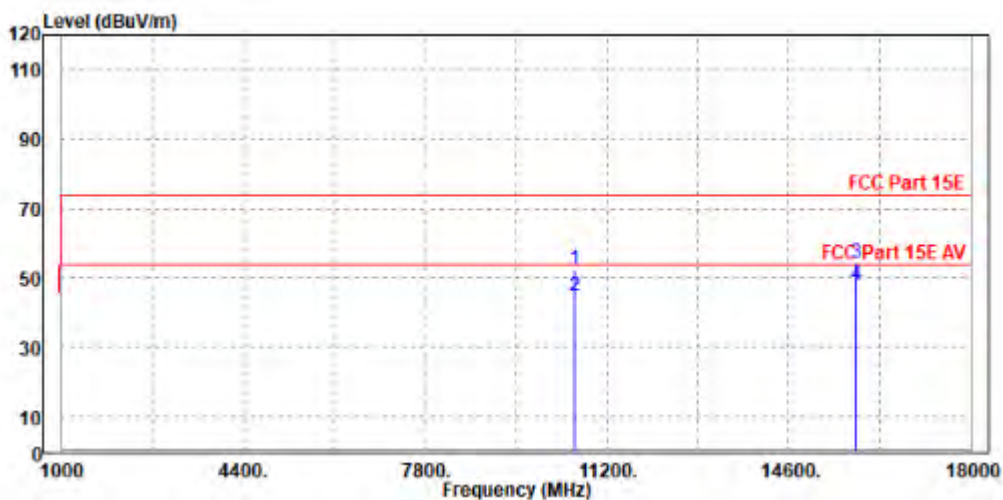
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10588.000	52.64	45.70	74.00	-21.36	6.94	Peak	Horizontal
2	10588.000	43.42	36.48	54.00	-10.58	6.94	Average	Horizontal
3	PK15870.000	56.43	42.39	74.00	-17.57	14.04	Peak	Horizontal
4	PP15870.000	49.17	35.13	54.00	-4.83	14.04	Average	Horizontal



ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	10588.000	52.40	44.24	74.00	-21.60	8.16	Peak	Vertical
2	10588.000	44.79	36.63	54.00	-9.21	8.16	Average	Vertical
3	PK15870.000	54.51	41.88	74.00	-19.49	12.63	Peak	Vertical
4	PP15870.000	47.89	35.26	54.00	-6.11	12.63	Average	Vertical



REMARKS:

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



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Test Report No.: W7L-P23080006RF03

Band 3

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	54.35	55.28	74	-19.65	34.77	9.81	45.51	200	323	Peak
5460	47.87	48.8	54	-6.13	34.77	9.81	45.51	200	323	Average
5470	54.48	55.4	68.2	-13.72	34.78	9.81	45.51	200	323	Peak
5500	102.35	103.25	/	/	34.8	9.8	45.5	200	323	Peak
5500	96.23	97.13	/	/	34.8	9.8	45.5	200	323	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	53.96	54.89	74	-20.04	34.77	9.81	45.51	100	292	Peak
5460	48.11	49.04	54	-5.89	34.77	9.81	45.51	100	292	Average
5470	54.45	55.37	68.2	-13.75	34.78	9.81	45.51	100	292	Peak
5500	98.34	99.24	/	/	34.8	9.8	45.5	100	292	Peak
5500	92.4	93.3	/	/	34.8	9.8	45.5	100	292	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	53.05	53.98	74	-20.95	34.77	9.81	45.51	200	323	Peak
5460	47.63	48.56	54	-6.37	34.77	9.81	45.51	200	323	Average
5470	54.63	55.55	68.2	-13.57	34.78	9.81	45.51	200	323	Peak
5580	102.95	103.72	/	/	34.9	9.83	45.5	200	323	Peak
5580	97.11	97.88	/	/	34.9	9.83	45.5	200	323	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	52.63	53.73	74	-21.37	34.6	9.81	45.51	100	292	Peak
5460	46.26	47.36	54	-7.74	34.6	9.81	45.51	100	292	Average
5470	52.82	53.92	68.2	-15.38	34.6	9.81	45.51	100	292	Peak
5580	98.16	99.13	/	/	34.7	9.83	45.5	100	292	Peak
5580	91.97	92.94	/	/	34.7	9.83	45.5	100	292	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.



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Test Report No.: W7L-P23080006RF03

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	100.68	101.27	/	/	35.04	9.87	45.5	200	0	Peak
5700	94.54	95.13	/	/	35.04	9.87	45.5	200	0	Average
5725	54.43	55.02	68.2	-13.77	35.04	9.87	45.5	200	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
5700	95.07	95.86	/	/	34.84	9.87	45.5	100	292	Peak
5700	88.73	89.52	/	/	34.84	9.87	45.5	100	292	Average
5725	53.81	54.56	68.2	-14.39	34.87	9.88	45.5	100	292	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.



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Test Report No.: W7L-P23080006RF03

802.11n (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	55.31	56.24	74	-18.69	34.77	9.81	45.51	200	360	Peak
5460	48.35	49.28	54	-5.65	34.77	9.81	45.51	200	360	Average
5470	54.79	55.71	68.2	-13.41	34.78	9.81	45.51	200	360	Peak
5500	103.89	104.79	/	/	34.8	9.8	45.5	200	360	Peak
5500	97.25	98.15	/	/	34.8	9.8	45.5	200	360	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	52.82	53.92	74	-21.18	34.6	9.81	45.51	100	292	Peak
5460	46.81	47.91	54	-7.19	34.6	9.81	45.51	100	292	Average
5470	53.79	54.89	68.2	-14.41	34.6	9.81	45.51	100	292	Peak
5500	98.32	99.42	/	/	34.6	9.8	45.5	100	292	Peak
5500	92.48	93.58	/	/	34.6	9.8	45.5	100	292	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.87	53.8	74	-21.13	34.77	9.81	45.51	200	360	Peak
5460	47.1	48.03	54	-6.9	34.77	9.81	45.51	200	360	Average
5470	52.25	53.17	68.2	-15.95	34.78	9.81	45.51	200	360	Peak
5580	101.46	102.23	/	/	34.9	9.83	45.5	200	360	Peak
5580	94.88	95.65	/	/	34.9	9.83	45.5	200	360	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	52.27	53.37	74	-21.73	34.6	9.81	45.51	100	292	Peak
5460	47.44	48.54	54	-6.56	34.6	9.81	45.51	100	292	Average
5470	53.35	54.45	68.2	-14.85	34.6	9.81	45.51	100	292	Peak
5580	95.6	96.57	/	/	34.7	9.83	45.5	100	292	Peak
5580	90.82	91.79	/	/	34.7	9.83	45.5	100	292	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	100.94	101.53	/	/	35.04	9.87	45.5	200	360	Peak
5700	95.86	96.45	/	/	35.04	9.87	45.5	200	360	Average
5725	54.01	54.56	68.2	-14.19	35.07	9.88	45.5	200	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
5700	95.78	96.57	/	/	34.84	9.87	45.5	100	292	Peak
5700	89.49	90.28	/	/	34.84	9.87	45.5	100	292	Average
5725	55.19	55.94	68.2	-13.01	34.87	9.88	45.5	100	292	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.

802.11n (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.49	53.42	74	-21.51	34.77	9.81	45.51	200	360	Peak
5460	47.64	48.57	54	-6.36	34.77	9.81	45.51	200	360	Average
5470	54.47	55.39	68.2	-13.73	34.78	9.81	45.51	200	360	Peak
5510	98.3	99.19	/	/	34.81	9.8	45.5	200	360	Peak
5510	91.76	92.65	/	/	34.81	9.8	45.5	200	360	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	51.88	52.98	74	-22.12	34.6	9.81	45.51	100	292	Peak
5460	47.64	48.74	54	-6.36	34.6	9.81	45.51	100	292	Average
5470	53.8	54.9	68.2	-14.4	34.6	9.81	45.51	100	292	Peak
5510	91.37	92.46	/	/	34.61	9.8	45.5	100	292	Peak
5510	88.55	89.64	/	/	34.61	9.8	45.5	100	292	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5510MHz: Fundamental frequency.
3. #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.24	53.17	74	-21.76	34.77	9.81	45.51	200	360	Peak
5460	47.5	48.43	54	-6.5	34.77	9.81	45.51	200	360	Average
5470	52.73	53.65	68.2	-15.47	34.78	9.81	45.51	200	360	Peak
5550	96.69	97.51	/	/	34.86	9.82	45.5	200	360	Peak
5550	93.76	94.58	/	/	34.86	9.82	45.5	200	360	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	53.55	54.65	74	-20.45	34.6	9.81	45.51	100	292	Peak
5460	46.69	47.79	54	-7.31	34.6	9.81	45.51	100	292	Average
5470	51.87	52.97	68.2	-16.33	34.6	9.81	45.51	100	292	Peak
5550	91.15	92.17	/	/	34.66	9.82	45.5	100	292	Peak
5550	87.4	88.42	/	/	34.66	9.82	45.5	100	292	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5500MHz: Fundamental frequency.
3. #: Out of restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5670	95.82	96.46	/	/	35	9.86	45.5	200	360	Peak
5670	91.46	92.1	/	/	35	9.86	45.5	200	360	Average
5725	54.06	54.61	68.2	-14.14	35.07	9.88	45.5	200	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
5670	90.76	91.6	/	/	34.8	9.86	45.5	100	292	Peak
5670	86.83	87.67	/	/	34.8	9.86	45.5	100	292	Average
5725	53.1	53.1	68.2	-15.1	0	0	0	100	292	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.



802.11ac (20MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.64	53.57	74	-21.36	34.77	9.81	45.51	200	360	Peak
5460	47.95	48.88	54	-6.05	34.77	9.81	45.51	200	360	Average
5470	54.02	54.94	68.2	-14.18	34.78	9.81	45.51	200	360	Peak
5500	103.69	104.59	/	/	34.8	9.8	45.5	200	360	Peak
5500	96.19	97.09	/	/	34.8	9.8	45.5	200	360	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	52.63	53.73	74	-21.37	34.6	9.81	45.51	100	292	Peak
5460	47.43	48.53	54	-6.57	34.6	9.81	45.51	100	292	Average
5470	53.36	54.46	68.2	-14.84	34.6	9.81	45.51	100	292	Peak
5500	97.73	98.83	/	/	34.6	9.8	45.5	100	292	Peak
5500	91.39	92.49	/	/	34.6	9.8	45.5	100	292	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	53.7	54.63	74	-20.3	34.77	9.81	45.51	200	360	Peak
5460	47.47	48.4	54	-6.53	34.77	9.81	45.51	200	360	Average
5470	54.19	55.11	68.2	-14.01	34.78	9.81	45.51	200	360	Peak
5580	100.82	101.59	/	/	34.9	9.83	45.5	200	360	Peak
5580	94.99	95.76	/	/	34.9	9.83	45.5	200	360	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	54.42	55.52	74	-19.58	34.6	9.81	45.51	100	292	Peak
5460	47.17	48.27	54	-6.83	34.6	9.81	45.51	100	292	Average
5470	52.67	53.77	68.2	-15.53	34.6	9.81	45.51	100	292	Peak
5580	95.51	96.48	/	/	34.7	9.83	45.5	100	292	Peak
5580	90.16	91.13	/	/	34.7	9.83	45.5	100	292	Average

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5700	100.3	100.89	/	/	35.04	9.87	45.5	200	360	Peak
5700	95.29	95.88	/	/	35.04	9.87	45.5	200	360	Average
5725	54.3	54.85	68.2	-13.9	35.07	9.88	45.5	200	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
5700	95.21	96	/	/	34.84	9.87	45.5	100	292	Peak
5700	88.46	89.25	/	/	34.84	9.87	45.5	100	292	Average
5725	54	54.75	68.2	-14.2	34.87	9.88	45.5	100	292	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.

802.11ac (40MHz)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M										
FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	READ LEVEL (dBuV)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA FACTOR (dB /m)	CABLE LOSS (dB)	PREAMP FACTOR (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	REMARK
5460	52.73	53.66	74	-21.27	34.77	9.81	45.51	200	360	Peak
5460	47.93	48.86	54	-6.07	34.77	9.81	45.51	200	360	Average
5470	53.16	54.08	68.2	-15.04	34.78	9.81	45.51	200	360	Peak
5510	98.38	99.27	/	/	34.81	9.8	45.5	200	360	Peak
5510	93.95	94.84	/	/	34.81	9.8	45.5	200	360	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	53.68	54.78	74	-20.32	34.6	9.81	45.51	100	292	Peak
5460	47.66	48.76	54	-6.34	34.6	9.81	45.51	100	292	Average
5470	53.07	54.17	68.2	-15.13	34.6	9.81	45.51	100	292	Peak
5510	91.58	92.67	/	/	34.61	9.8	45.5	100	292	Peak
5510	88.12	89.21	/	/	34.61	9.8	45.5	100	292	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	52.65	53.58	74	-21.35	34.77	9.81	45.51	200	360	Peak
5460	47.35	48.28	54	-6.65	34.77	9.81	45.51	200	360	Average
5470	53.79	54.71	68.2	-14.41	34.78	9.81	45.51	200	360	Peak
5550	97.46	98.28	/	/	34.86	9.82	45.5	200	360	Peak
5550	94.56	95.38	/	/	34.86	9.82	45.5	200	360	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	51.27	52.37	74	-22.73	34.6	9.81	45.51	100	292	Peak
5460	47.29	48.39	54	-6.71	34.6	9.81	45.51	100	292	Average
5470	52.15	53.25	68.2	-16.05	34.6	9.81	45.51	100	292	Peak
5550	92.76	93.78	/	/	34.66	9.82	45.5	100	292	Peak
5550	88.91	89.93	/	/	34.66	9.82	45.5	100	292	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	94.34	94.98	/	/	35	9.86	45.5	200	360	Peak
5670	89.63	90.27	/	/	35	9.86	45.5	200	360	Average
5725	52.86	53.41	68.2	-15.34	35.07	9.88	45.5	200	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
5670	89.22	90.06	/	/	34.8	9.86	45.5	100	292	Peak
5670	85.91	86.75	/	/	34.8	9.86	45.5	100	292	Average
5725	52.13	52.88	68.2	-16.07	34.87	9.88	45.5	100	292	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.

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	53.98	54.91	74	-20.02	34.77	9.81	45.51	200	0	Peak
5460	50.01	50.94	54	-3.99	34.77	9.81	45.51	200	0	Average
5470	53.82	54.74	68.2	-14.38	34.78	9.81	45.51	200	0	Peak
5530	93.89	94.74	/	/	34.84	9.81	45.5	200	0	Peak
5530	90.41	91.26	/	/	34.84	9.81	45.5	200	0	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	53.01	54.11	74	-20.99	34.6	9.81	45.51	100	292	Peak
5460	48.48	49.58	54	-5.52	34.6	9.81	45.51	100	292	Average
5470	53.62	54.72	68.2	-14.58	34.6	9.81	45.51	100	292	Peak
5530	88.84	89.89	/	/	34.64	9.81	45.5	100	292	Peak
5530	85.17	86.22	/	/	34.64	9.81	45.5	100	292	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	53.11	54.04	74	-20.89	34.77	9.81	45.51	200	0	Peak
5460	47.74	48.67	54	-6.26	34.77	9.81	45.51	200	0	Average
5470	52.24	53.16	68.2	-15.96	34.78	9.81	45.51	200	0	Peak
5610	91.36	92.09	/	/	34.93	9.84	45.5	200	0	Peak
5610	88.54	89.27	/	/	34.93	9.84	45.5	200	0	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	52.25	53.35	74	-21.75	34.6	9.81	45.51	100	292	Peak
5460	47.71	48.81	54	-6.29	34.6	9.81	45.51	100	292	Average
5470	52.51	53.61	68.2	-15.69	34.6	9.81	45.51	100	292	Peak
5610	86.06	86.99	/	/	34.73	9.84	45.5	100	292	Peak
5610	83.12	84.05	/	/	34.73	9.84	45.5	100	292	Average

REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5610MHz: Fundamental frequency.
3. #: Out of restricted band.



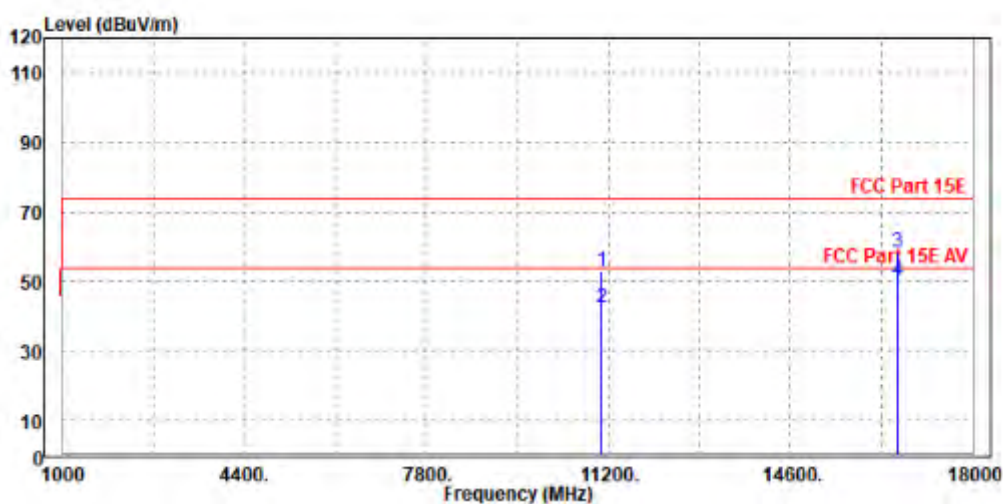
802.11ac (80MHz)

Worst case harmonic:

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

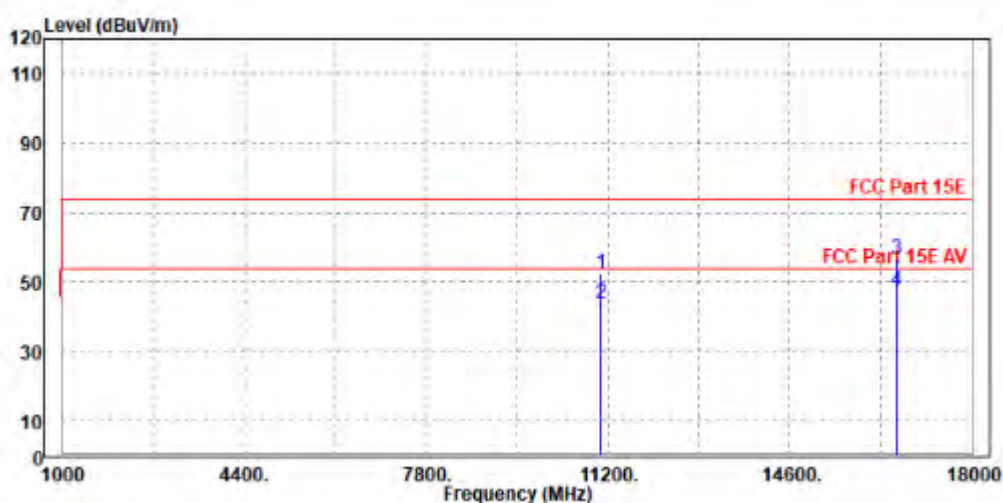
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dBuV/m	dB	dB/m		
1	11060.000	53.15	46.03	74.00	-20.85	7.12	Peak	Horizontal
2	11060.000	42.40	35.28	54.00	-11.60	7.12	Average	Horizontal
3	PK16589.000	58.61	42.58	74.00	-15.39	16.03	Peak	Horizontal
4	PP16589.000	50.35	34.32	54.00	-3.65	16.03	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	11064.000	52.52	44.95	74.00	-21.48	7.57	Peak	Vertical
2	11064.000	43.62	36.05	54.00	-10.38	7.57	Average	Vertical
3	PK16590.000	56.59	42.44	74.00	-17.41	14.15	Peak	Vertical
4	PP16590.000	47.40	33.25	54.00	-6.60	14.15	Average	Vertical



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Emission level – Limit value.
2. 5530MHz: 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	103.16	103.69	/	/	35.09	9.88	45.5	135	300	Peak
5745	97.34	97.87	/	/	35.09	9.88	45.5	135	300	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	98.54	99.27	/	/	34.89	9.88	45.5	100	175	Peak
5745	92.8	93.53	/	/	34.89	9.88	45.5	100	175	Average

REMARKS:

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

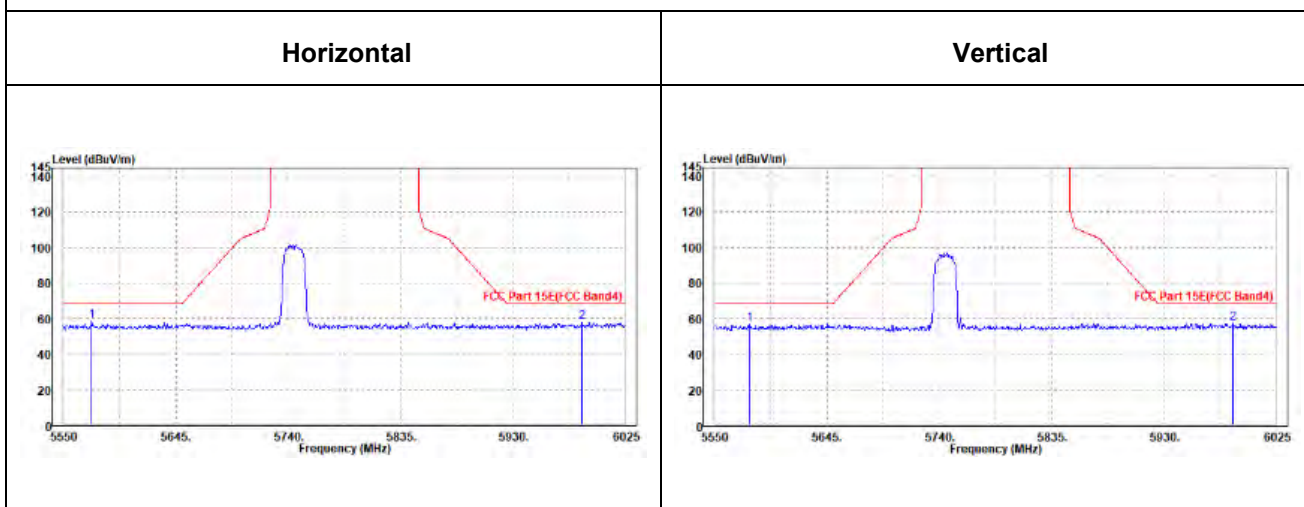


OOBE DATA

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
5573.75	58.21	58.99	68.2	-9.99	34.89	9.83	45.5	135	0	Peak
5987.95	57.94	58.08	68.2	-10.26	35.39	9.97	45.5	135	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
5578.975	56.65	57.63	68.2	-11.55	34.69	9.83	45.5	100	360	Peak
5988.425	57.42	57.76	68.2	-10.78	35.19	9.97	45.5	100	360	Peak

CH 149





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	102.59	103.05	/	/	35.14	9.9	45.5	135	300	Peak
5785	96.42	96.88	/	/	35.14	9.9	45.5	135	300	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	98.48	99.14	/	/	34.94	9.9	45.5	100	175	Peak
5785	92.6	93.26	/	/	34.94	9.9	45.5	100	175	Average

REMARKS:

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

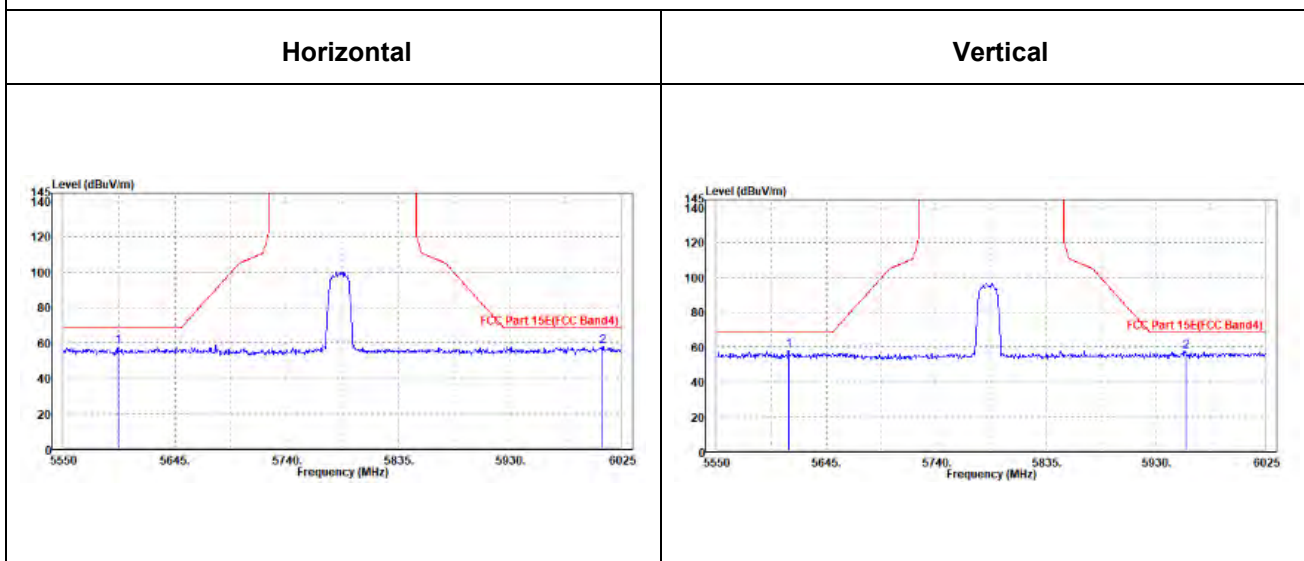


OBE DATA

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
5596.55	57.89	58.64	68.2	-10.31	34.92	9.83	45.5	135	360	Peak
6008.85	57.95	58.07	68.2	-10.25	35.4	9.98	45.5	135	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
5612.225	57.92	58.85	68.2	-10.28	34.73	9.84	45.5	100	0	Peak
5955.65	57.45	57.85	68.2	-10.75	35.15	9.95	45.5	100	0	Peak

CH 157





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	102.96	103.36	/	/	35.19	9.91	45.5	135	300	Peak
5825	96.71	97.11	/	/	35.19	9.91	45.5	135	300	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	98.8	99.4	/	/	34.99	9.91	45.5	100	175	Peak
5825	92.81	93.41	/	/	34.99	9.91	45.5	100	175	Average

REMARKS:

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

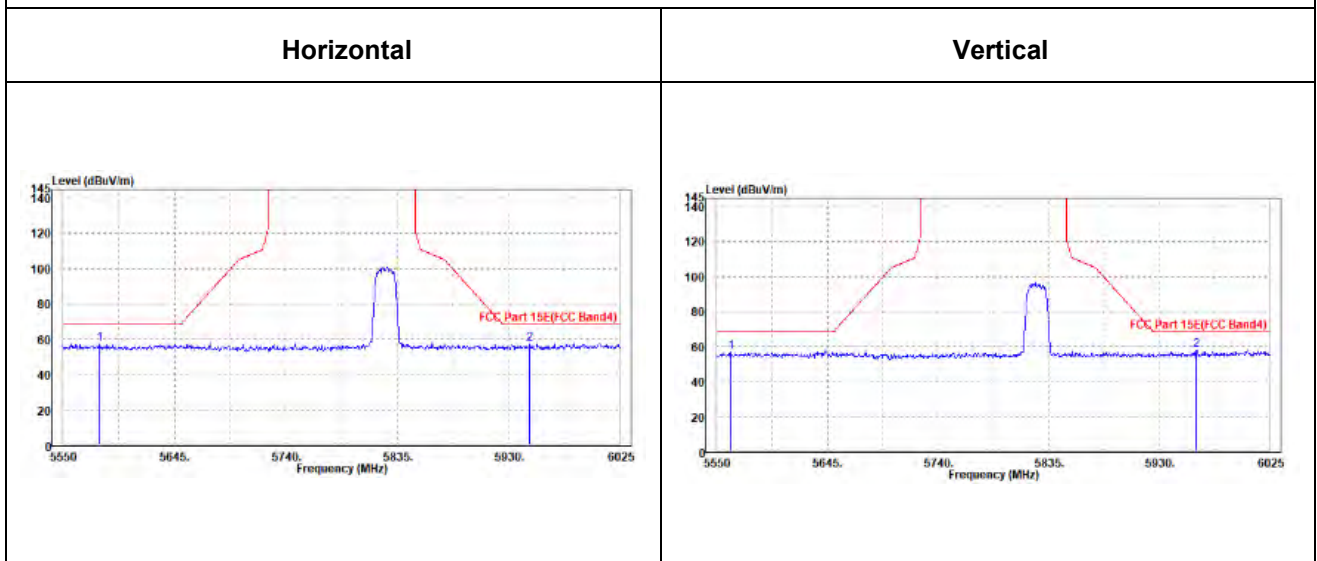


Oobe Data

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
5581.35	57.36	58.13	68.2	-10.84	34.9	9.83	45.5	135	0	Peak
5948.05	57.58	57.79	68.2	-10.62	35.34	9.95	45.5	135	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
5561.875	57.04	58.05	68.2	-11.16	34.67	9.82	45.5	100	360	Peak
5961.825	57.86	58.25	68.2	-10.34	35.15	9.96	45.5	100	360	Peak

CH 165





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	103.46	103.99	/	/	35.09	9.88	45.5	135	300	Peak
5745	96.93	97.46	/	/	35.09	9.88	45.5	135	300	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	99	99.73	/	/	34.89	9.88	45.5	100	175	Peak
5745	91.8	92.53	/	/	34.89	9.88	45.5	100	175	Average

REMARKS:

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

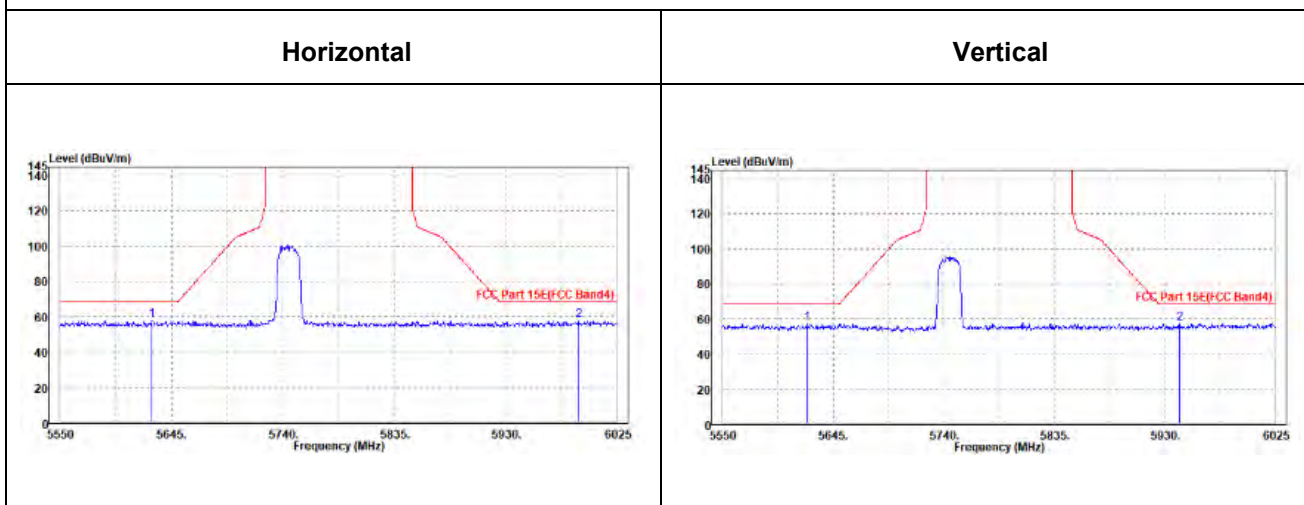


OOBE DATA

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
5627.9	57.68	58.39	68.2	-10.52	34.95	9.84	45.5	135	360	Peak
5992.225	58.14	58.28	68.2	-10.06	35.39	9.97	45.5	135	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
5622.675	57.38	58.29	68.2	-10.82	34.75	9.84	45.5	100	0	Peak
5942.825	57.45	57.87	68.2	-10.75	35.13	9.95	45.5	100	0	Peak

CH 149





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	102.62	103.08	/	/	35.14	9.9	45.5	135	300	Peak
5785	96.05	96.51	/	/	35.14	9.9	45.5	135	300	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	98.57	99.23	/	/	34.94	9.9	45.5	100	175	Peak
5785	92.31	92.97	/	/	34.94	9.9	45.5	100	175	Average

REMARKS:

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

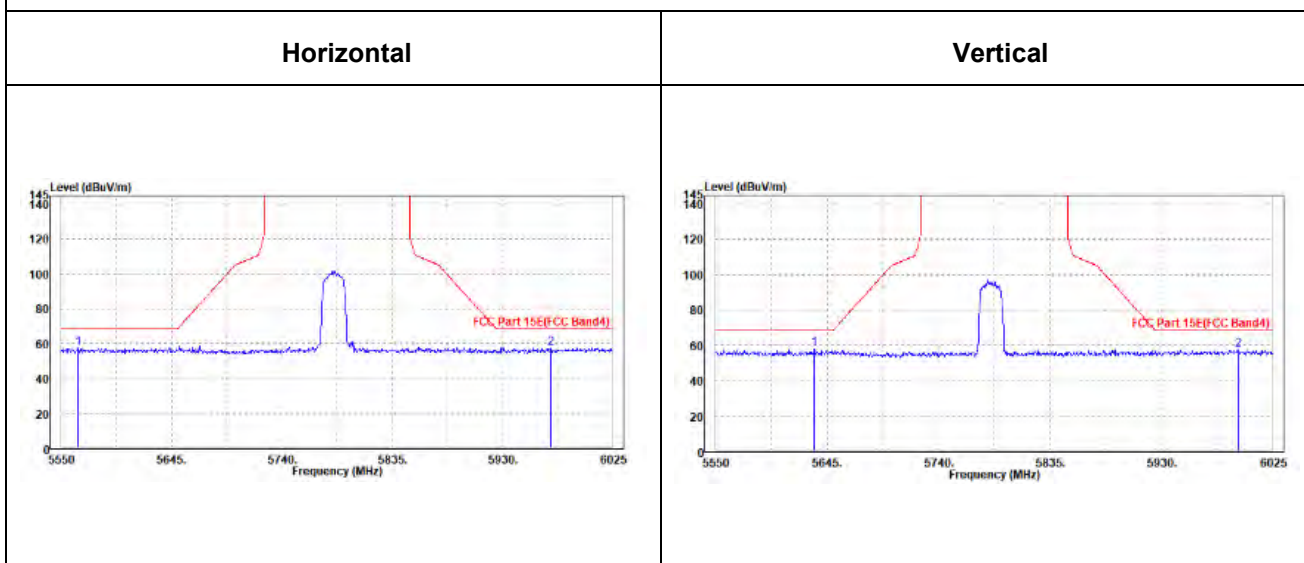


OOBE DATA

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
5564.25	57.12	57.92	68.2	-11.08	34.88	9.82	45.5	135	0	Peak
5971.8	57.43	57.6	68.2	-10.77	35.37	9.96	45.5	135	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
5634.075	57.82	58.71	68.2	-10.38	34.76	9.85	45.5	100	360	Peak
5995.55	57.48	57.82	68.2	-10.72	35.19	9.97	45.5	100	360	Peak

CH 157





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	102.46	102.86	/	/	35.19	9.91	45.5	135	300	Peak
5825	95.65	96.05	/	/	35.19	9.91	45.5	135	300	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	98.14	98.74	/	/	34.99	9.91	45.5	100	175	Peak
5825	92.21	92.81	/	/	34.99	9.91	45.5	100	175	Average

REMARKS:

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

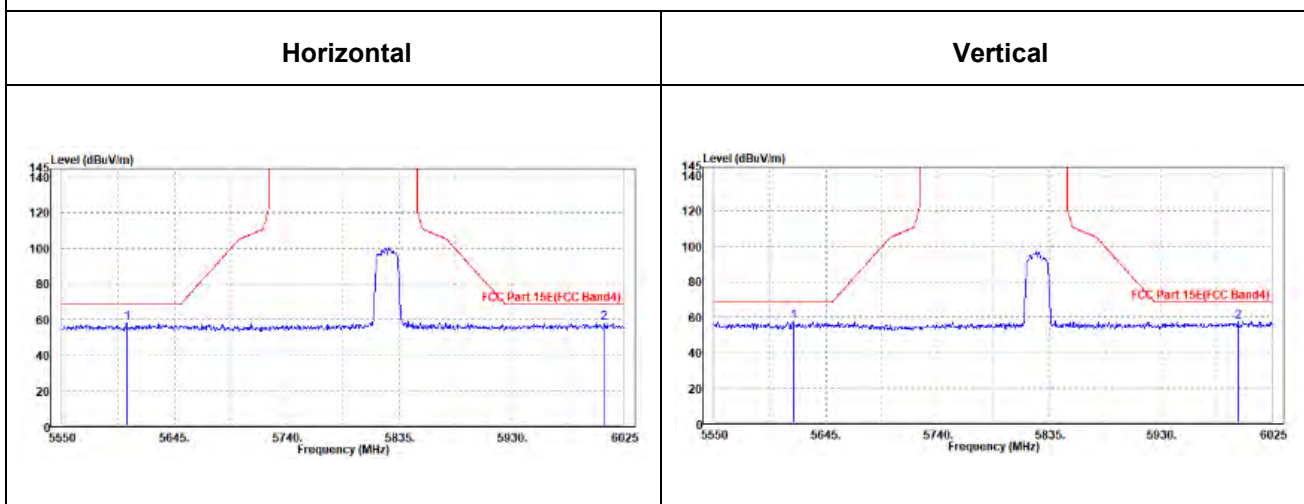


OOBE DATA

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
5604.625	57.67	58.4	68.2	-10.53	34.93	9.84	45.5	135	360	Peak
6008.375	57.69	57.81	68.2	-10.51	35.4	9.98	45.5	135	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
5616.975	57.09	58.01	68.2	-11.11	34.74	9.84	45.5	100	0	Peak
5996.025	57.3	57.63	68.2	-10.9	35.2	9.97	45.5	100	0	Peak

CH 165





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	96.71	97.21	/	/	35.11	9.89	45.5	135	300	Peak
5755	93.63	94.13	/	/	35.11	9.89	45.5	135	300	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	92.3	93	/	/	34.91	9.89	45.5	100	175	Peak
5755	88.39	89.09	/	/	34.91	9.89	45.5	100	175	Average

REMARKS:

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

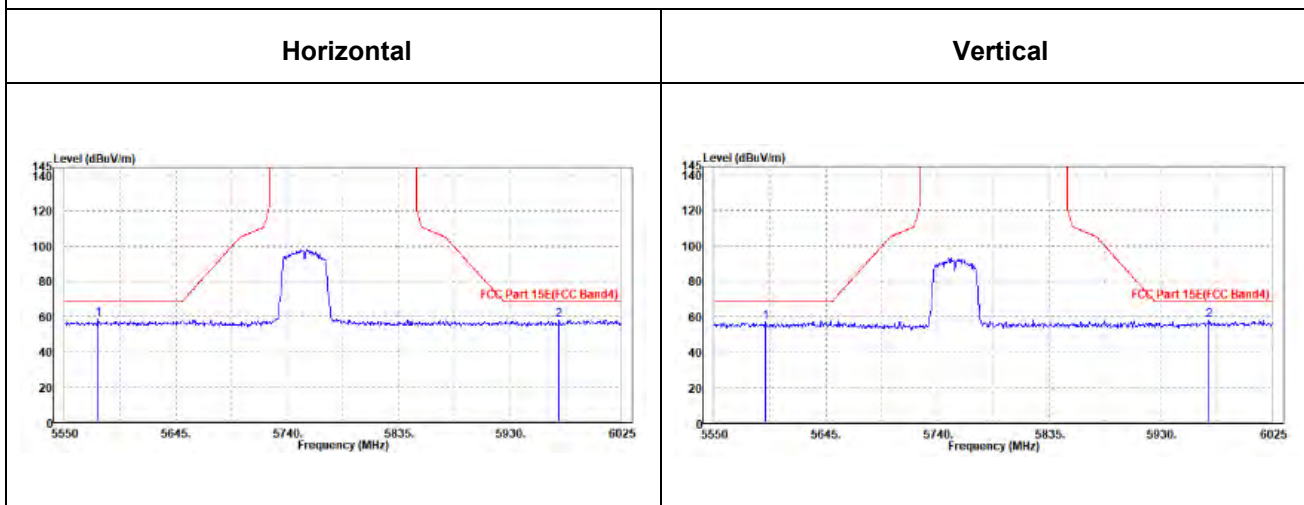


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802.11n (40MHZ)

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
5578.5	58.25	59.03	68.2	-9.95	34.89	9.83	45.5	135	0	Peak
5971.8	57.93	58.1	68.2	-10.27	35.37	9.96	45.5	135	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
5593.225	56.56	57.52	68.2	-11.64	34.71	9.83	45.5	100	360	Peak
5970.85	58.04	58.41	68.2	-10.16	35.17	9.96	45.5	100	360	Peak

CH 151





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	96.69	97.14	/	/	35.15	9.9	45.5	135	300	Peak
5795	93.18	93.63	/	/	35.15	9.9	45.5	135	300	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	93.42	94.07	/	/	34.95	9.9	45.5	100	175	Peak
5795	89.51	90.16	/	/	34.95	9.9	45.5	100	175	Average

REMARKS:

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

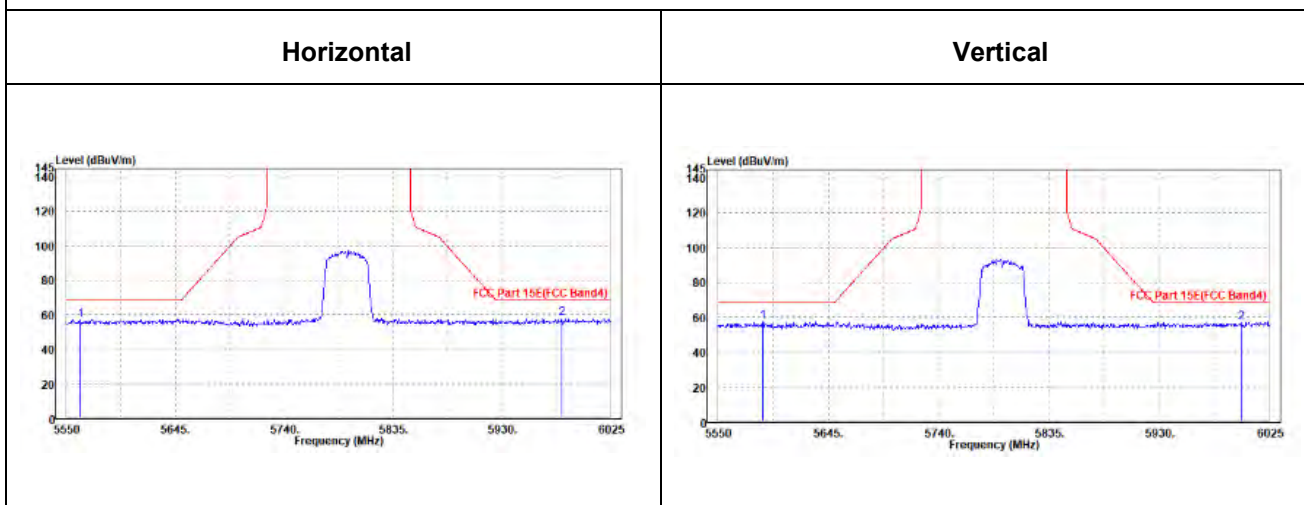


Oobe Data

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
5562.35	56.96	57.77	68.2	-11.24	34.87	9.82	45.5	135	360	Peak
5982.725	58.15	58.31	68.2	-10.05	35.38	9.96	45.5	135	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
5588.475	57.4	58.36	68.2	-10.8	34.71	9.83	45.5	100	0	Peak
6000.775	56.9	57.23	68.2	-11.3	35.2	9.97	45.5	100	0	Peak

CH 159





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	102.65	103.18	/	/	35.09	9.88	45.5	135	300	Peak
5745	96.67	97.2	/	/	35.09	9.88	45.5	135	300	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	98.16	98.89	/	/	34.89	9.88	45.5	100	175	Peak
5745	91.89	92.62	/	/	34.89	9.88	45.5	100	175	Average

REMARKS:

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

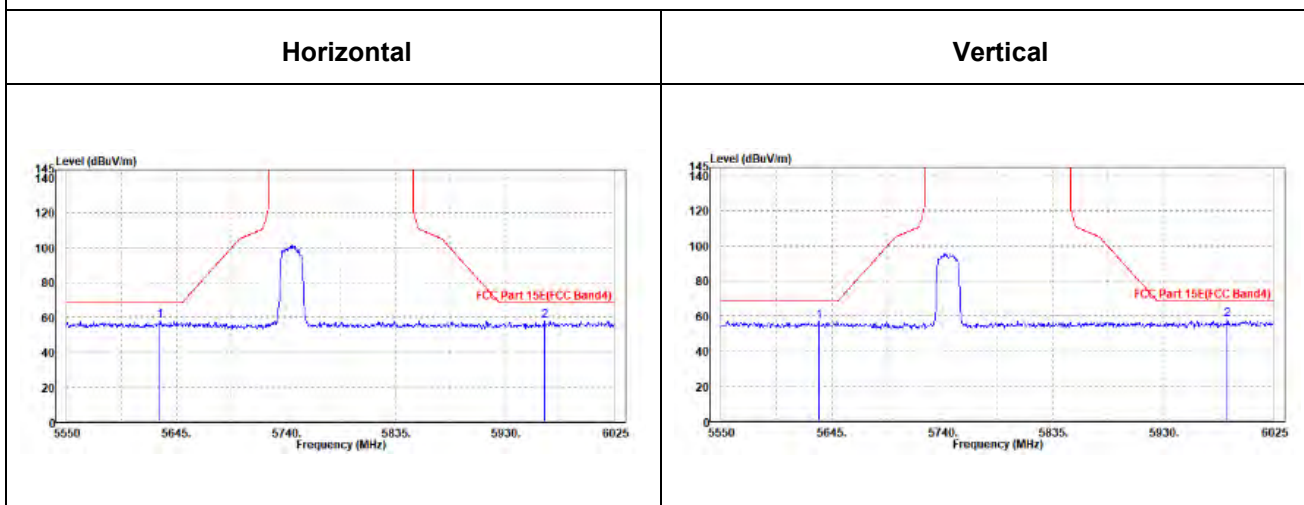


OOBE DATA

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
5630.75	57.77	58.47	68.2	-10.43	34.96	9.84	45.5	135	0	Peak
5964.675	57.97	58.15	68.2	-10.23	35.36	9.96	45.5	135	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
5633.6	56.55	57.44	68.2	-11.65	34.76	9.85	45.5	100	360	Peak
5985.1	58.09	58.45	68.2	-10.11	35.18	9.96	45.5	100	360	Peak

CH 149





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	102.31	102.77	/	/	35.14	9.9	45.5	135	300	Peak
5785	95.82	96.28	/	/	35.14	9.9	45.5	135	300	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	97.86	98.52	/	/	34.94	9.9	45.5	100	175	Peak
5785	92.43	93.09	/	/	34.94	9.9	45.5	100	175	Average

REMARKS:

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

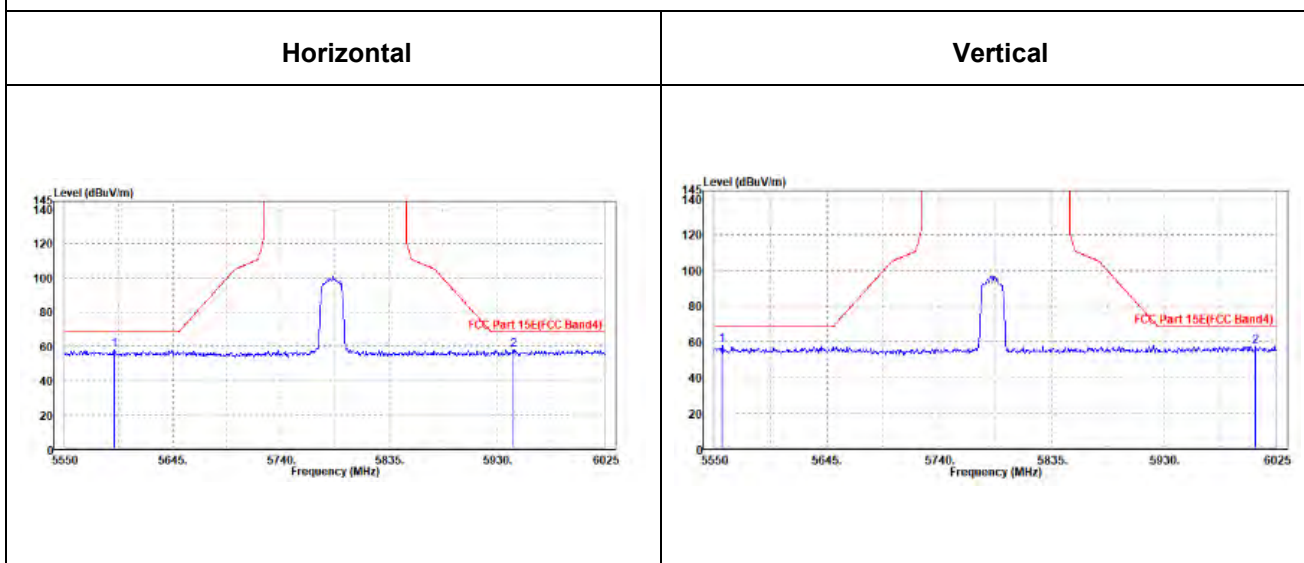


Oobe Data

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
5593.7	57.67	58.43	68.2	-10.53	34.91	9.83	45.5	135	360	Peak
5944.725	57.99	58.21	68.2	-10.21	35.33	9.95	45.5	135	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
5556.175	57.98	58.99	68.2	-10.22	34.67	9.82	45.5	100	0	Peak
6007.425	57.24	57.55	68.2	-10.96	35.21	9.98	45.5	100	0	Peak

CH 157





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	102.24	102.64	/	/	35.19	9.91	45.5	135	300	Peak
5825	96.27	96.67	/	/	35.19	9.91	45.5	135	300	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	98.03	98.63	/	/	34.99	9.91	45.5	100	175	Peak
5825	92.45	93.05	/	/	34.99	9.91	45.5	100	175	Average

REMARKS:

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

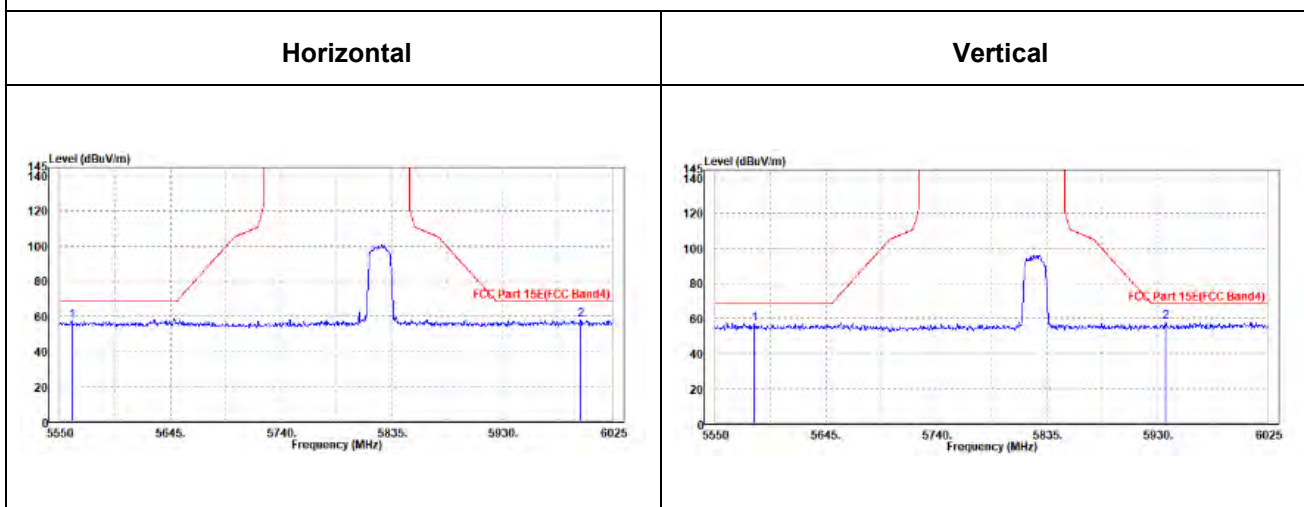


OOBE DATA

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
5559.975	57.2	58.01	68.2	-11	34.87	9.82	45.5	135	0	Peak
5996.975	57.66	57.79	68.2	-10.54	35.4	9.97	45.5	135	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
5583.25	56.76	57.73	68.2	-11.44	34.7	9.83	45.5	100	360	Peak
5937.125	57.88	58.31	68.2	-10.32	35.12	9.95	45.5	100	360	Peak

CH 165





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	97.84	98.34	/	/	35.11	9.89	45.5	135	300	Peak
5755	93.93	94.43	/	/	35.11	9.89	45.5	135	300	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	93.31	94.01	/	/	34.91	9.89	45.5	100	175	Peak
5755	89.24	89.94	/	/	34.91	9.89	45.5	100	175	Average

REMARKS:

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

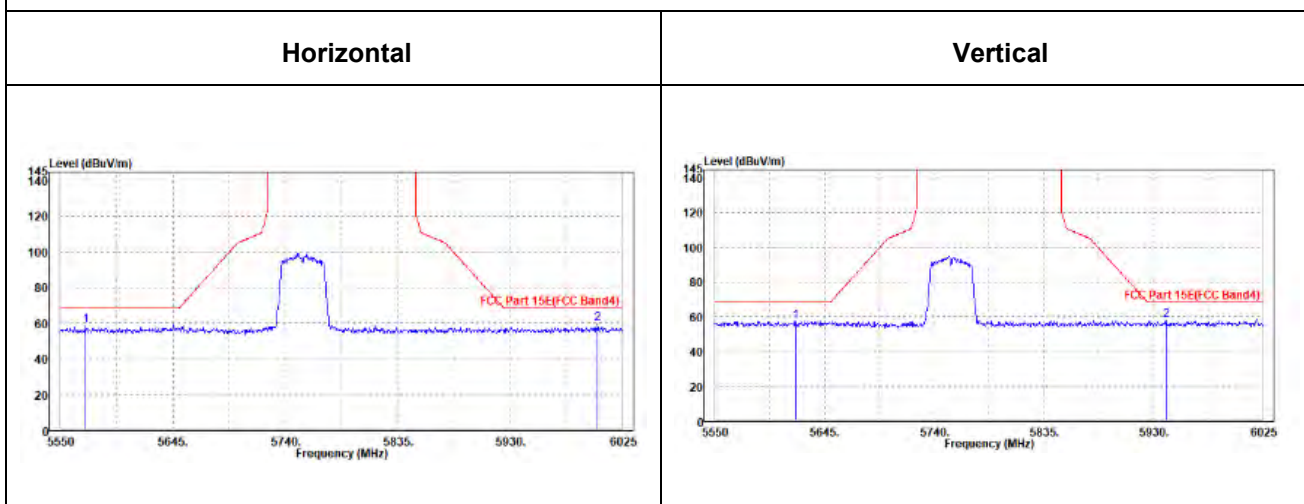


Oobe Data

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
5570.9	58.56	59.35	68.2	-9.64	34.89	9.82	45.5	135	360	Peak
6004.1	59.4	59.53	68.2	-8.8	35.4	9.97	45.5	135	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
5619.825	57.37	58.29	68.2	-10.83	34.74	9.84	45.5	100	0	Peak
5940.925	57.66	58.08	68.2	-10.54	35.13	9.95	45.5	100	0	Peak

CH 151





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	99.03	99.48	/	/	35.15	9.9	45.5	135	300	Peak
5795	94.29	94.74	/	/	35.15	9.9	45.5	135	300	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	94.8	95.45	/	/	34.95	9.9	45.5	100	175	Peak
5795	90.83	91.48	/	/	34.95	9.9	45.5	100	175	Average

REMARKS:

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