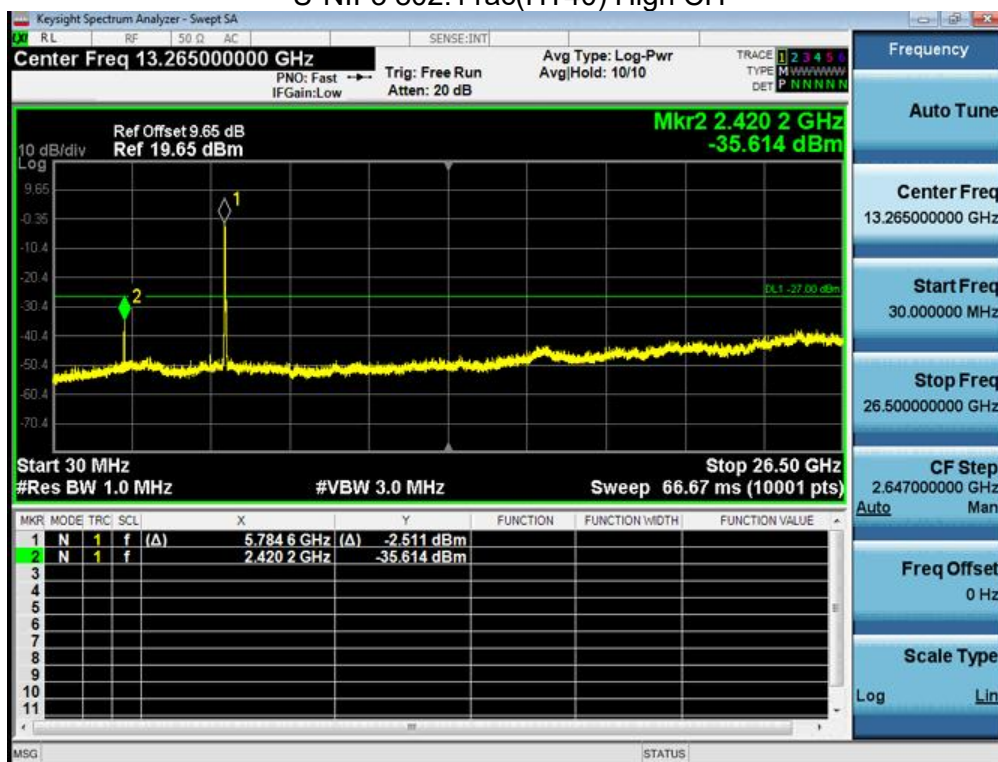
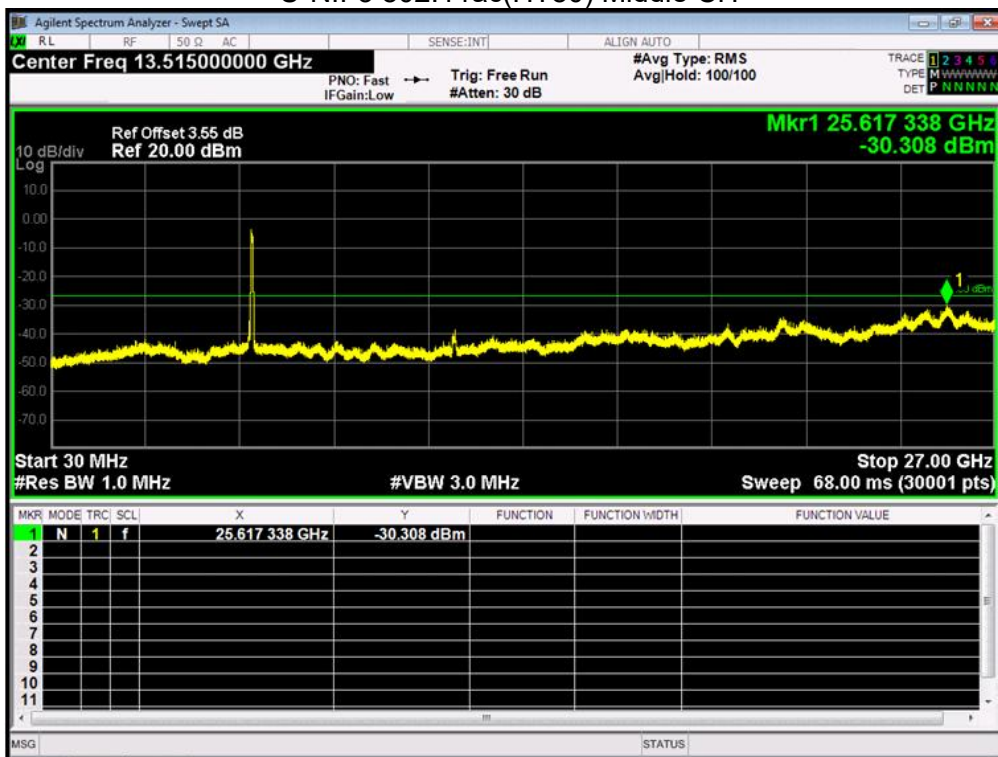


U-NII-3 802.11ac(HT40) High CH



U-NII-3 802.11ac(HT80) Middle CH



Note:

- 1.The emission levels of other frequencies were less than 20dB margin against the limit.
- 2.The result contains the antenna gain.

8. Duty Cycle

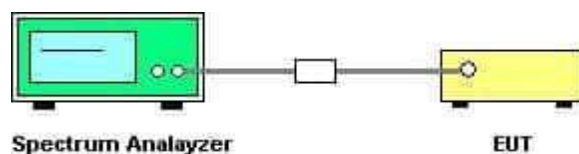
8.1 TEST REQUIREMENT

47 CFR Part 15C 15.407 and 789033 D02 General UNII Test
Procedures New Rules v02r01(December 14, 2017), Section (B)
ANSI C63.10:2020+Cor.1-2023

8.2 TEST PROCEDURE

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

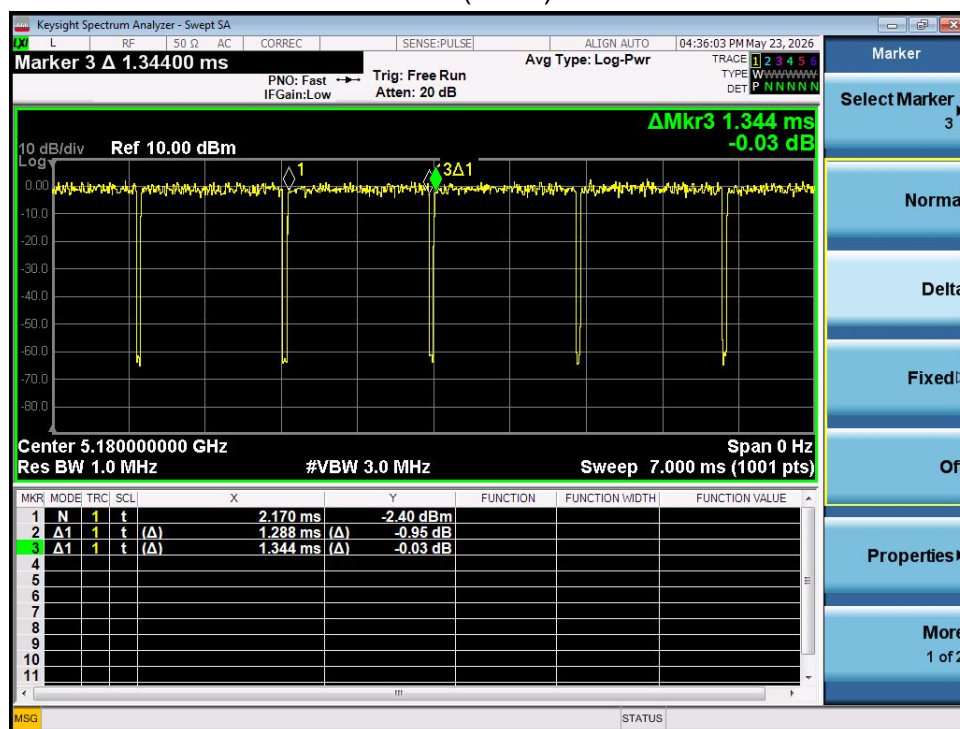
8.3 TEST SETUP



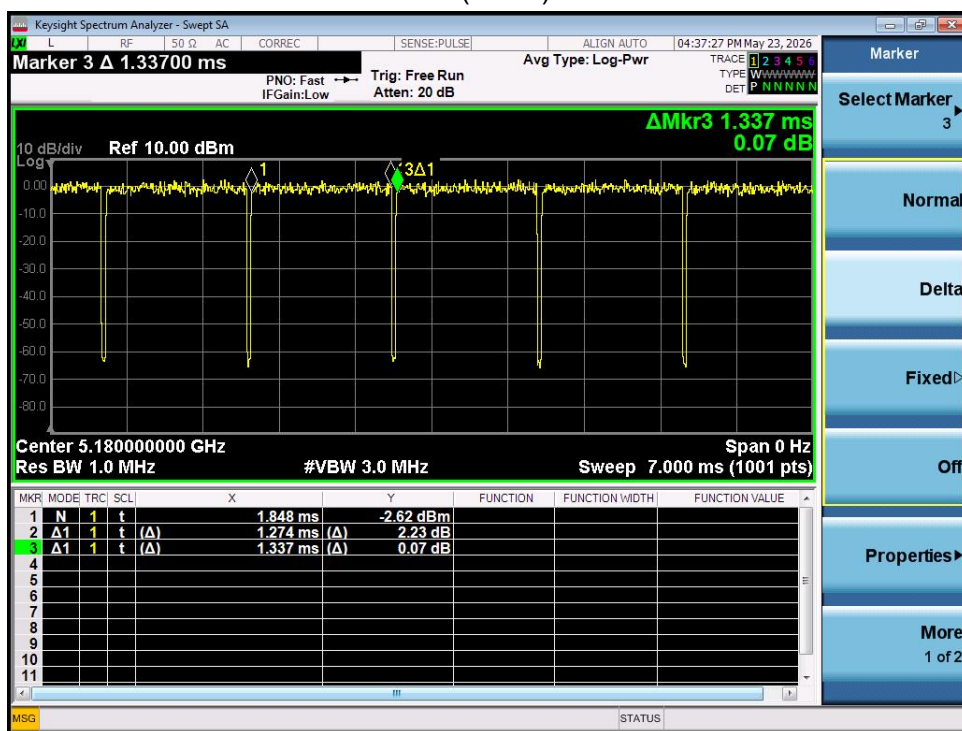
8.4 TEST RESULTS

mode	On time(ms)	Period(ms)	Duty Cycle(%)
802.11a 5180	1.288	1.344	0.958
802.11n20 5180	1.274	1.337	0.953
802.11n40 5190	1.225	2.079	0.589
802.11ac20 5180	1.281	2.646	0.484
802.11ac40 5190	1.211	2.107	0.575
802.11ac80 5120	3.01	3.78	0.796

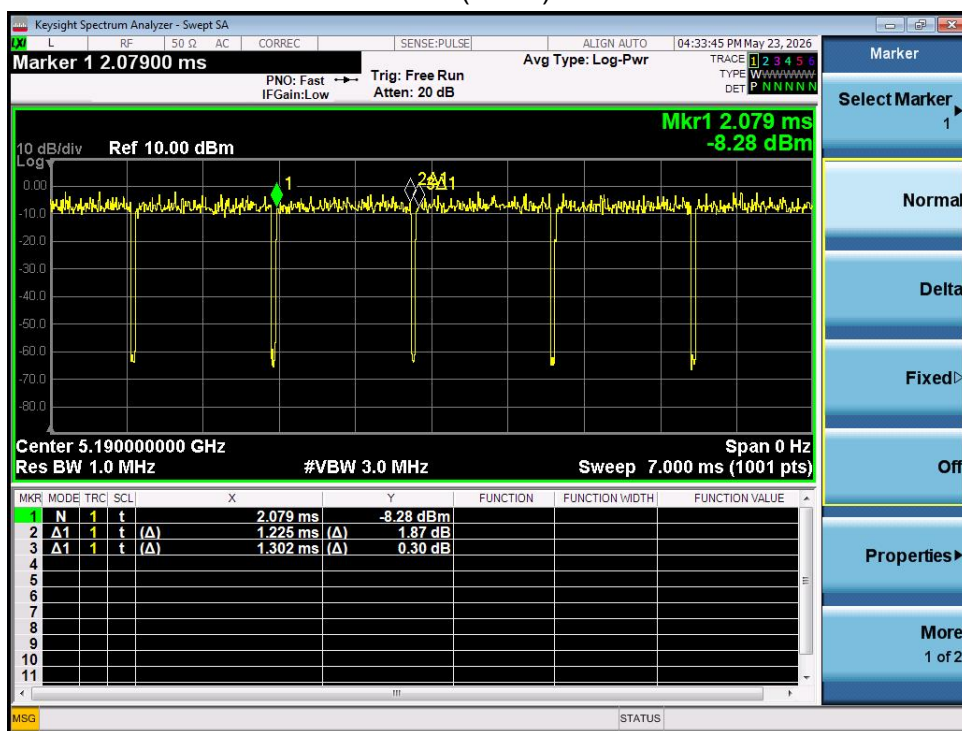
802.11a(HT20) 5180



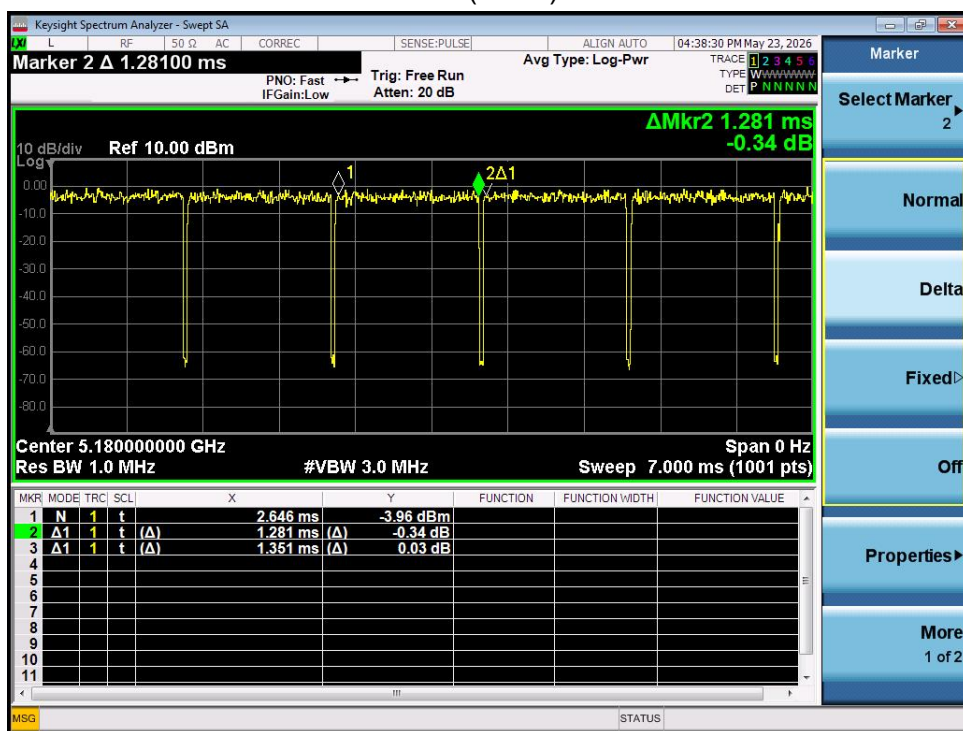
802.11n(HT20) 5180



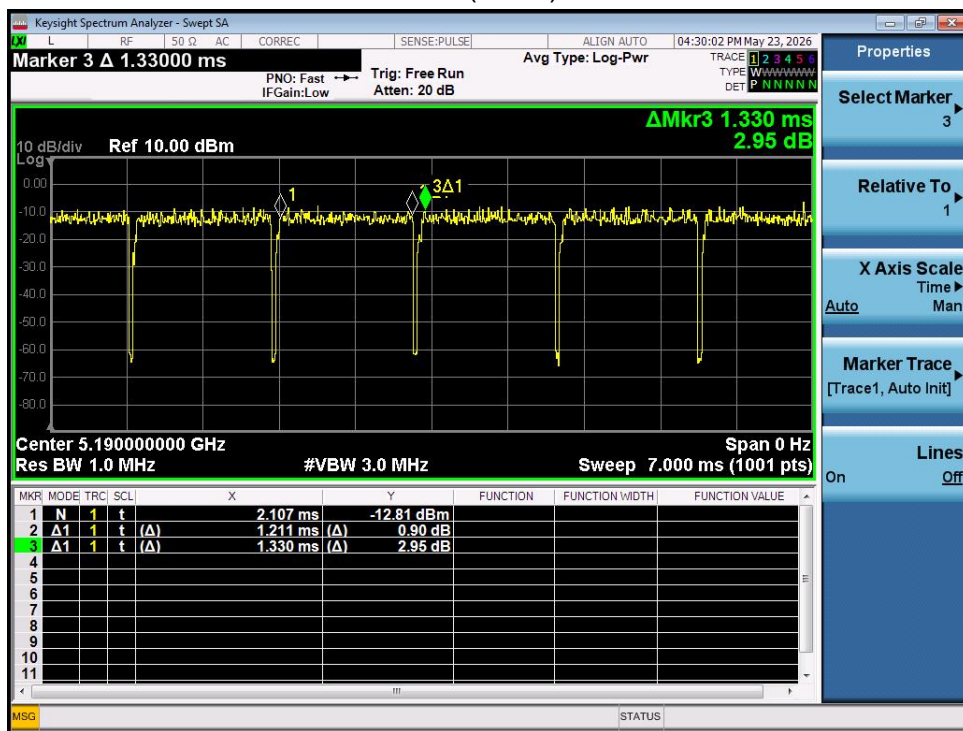
802.11n(HT40) 5190



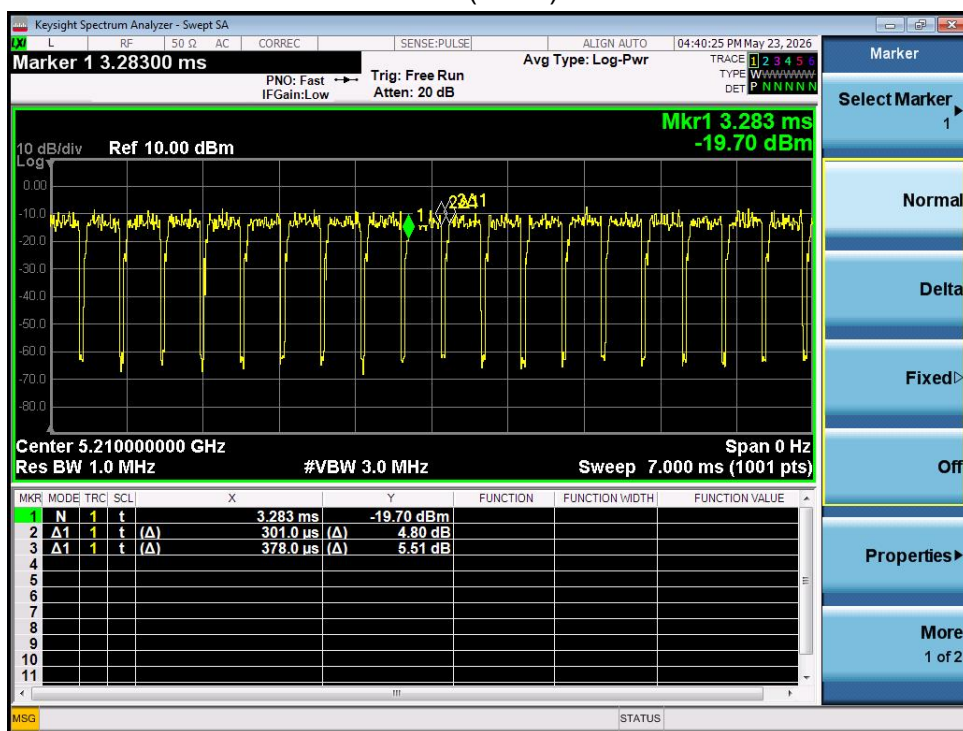
802.11ac(HT20) 5180



802.11ac(HT40) 5190



802.11ac(HT80) 5210



9 RADIATED EMISSION MEASUREMENT

9.1 RADIATED EMISSION LIMITS

In any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the Restricted band specified on Part15.205(a)&209(a) limit in the table and according to ANSI C63.10:2020+Cor.1-2023 below has to be followed

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009MHz - 1000MHz)

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

For Radiated Emission

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/AV
Start Frequency	1000 MHz(Peak/AV)
Stop Frequency	10th carrier hamonic(Peak/AV)
RB / VB (emission in restricted band)	PK=1MHz / 1MHz, AV=1 MHz /10 Hz

9.2 TEST PROCEDURE

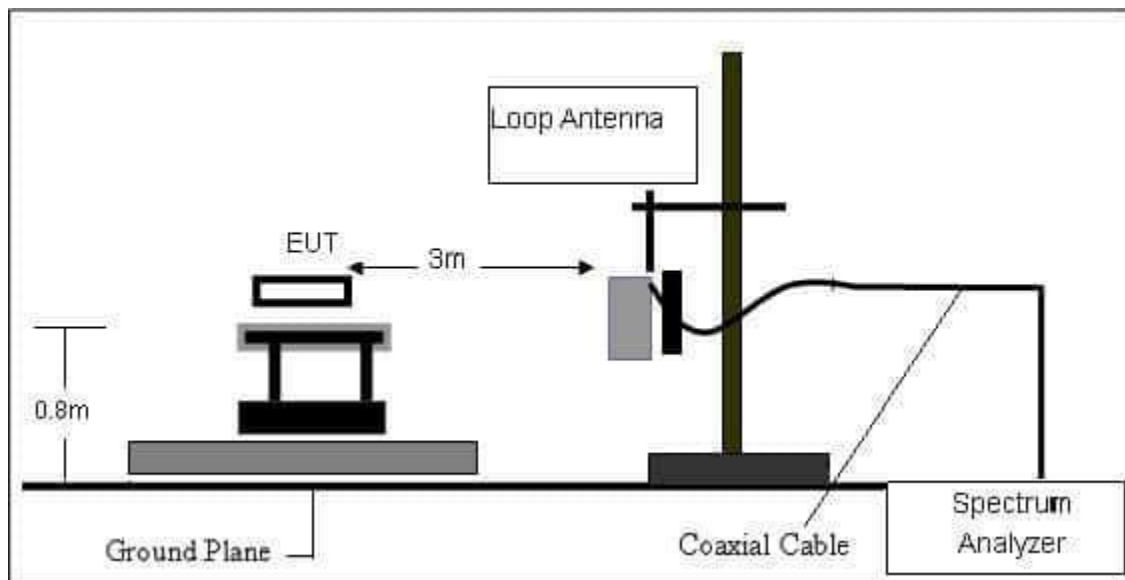
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meters (above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment shall be 0.8 m (above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then QuasiPeak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

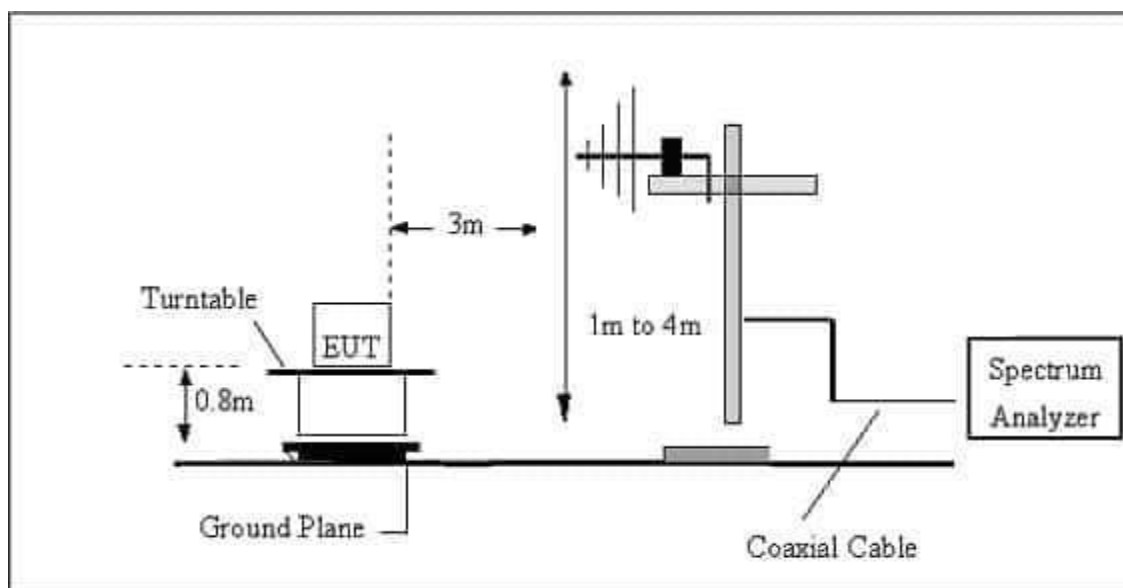
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

9.3 TESTSETUP

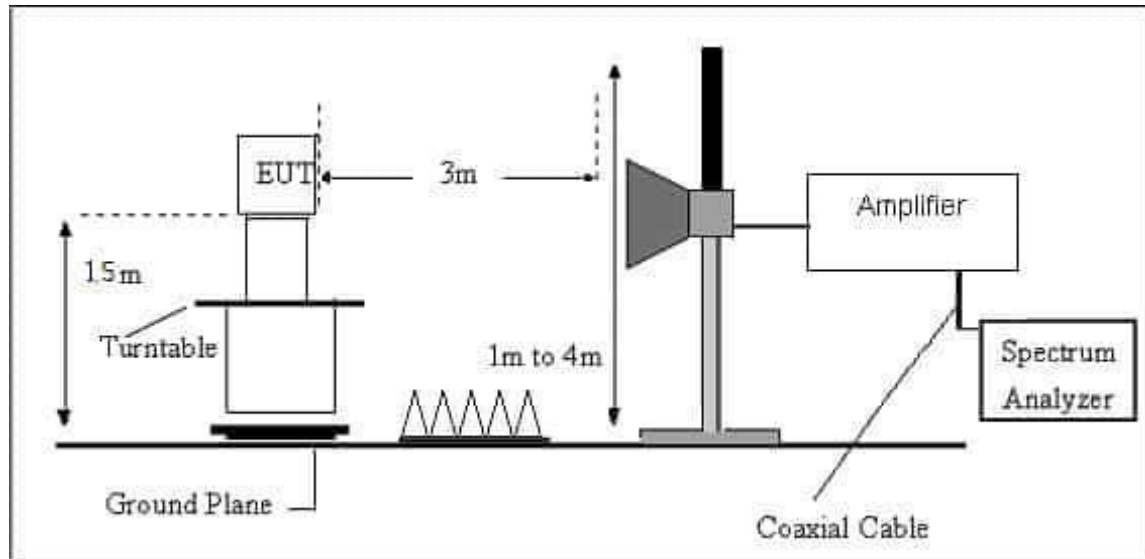
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



9.4. TEST RESULTS

(9KHz-30MHz)

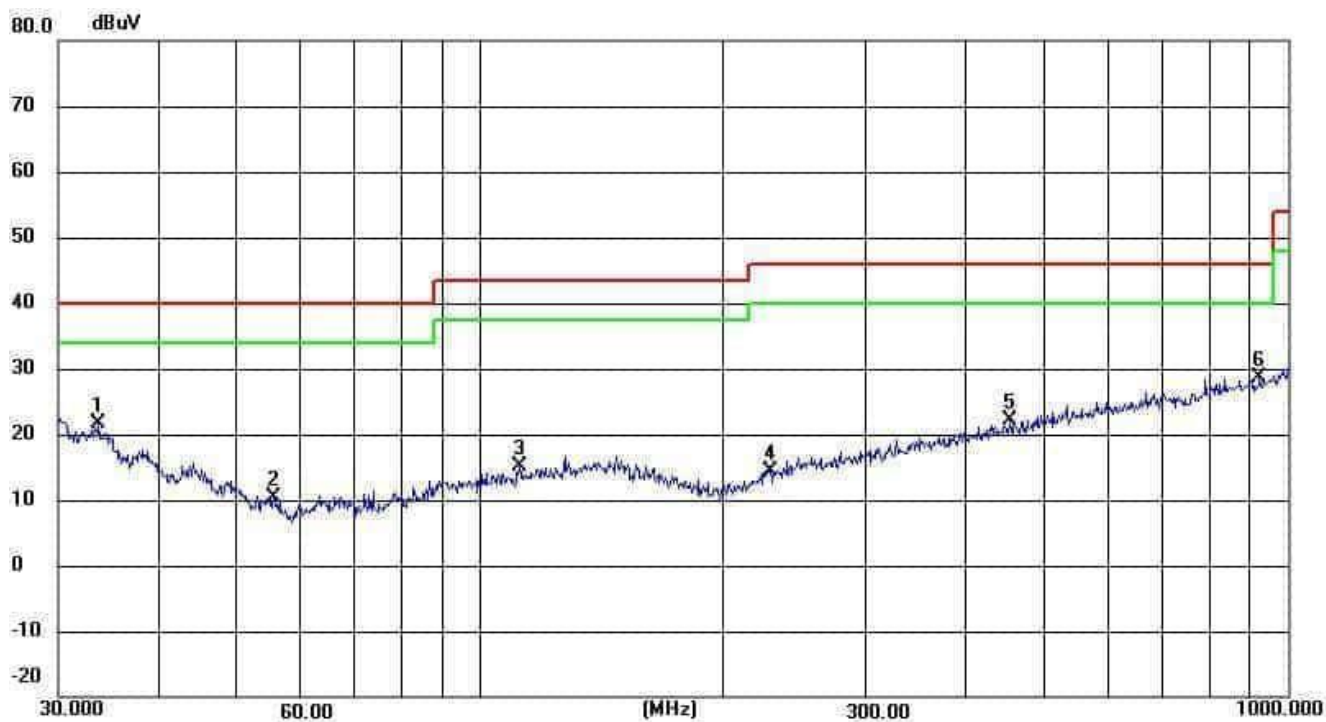
Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

(30MHz-1000MHz)

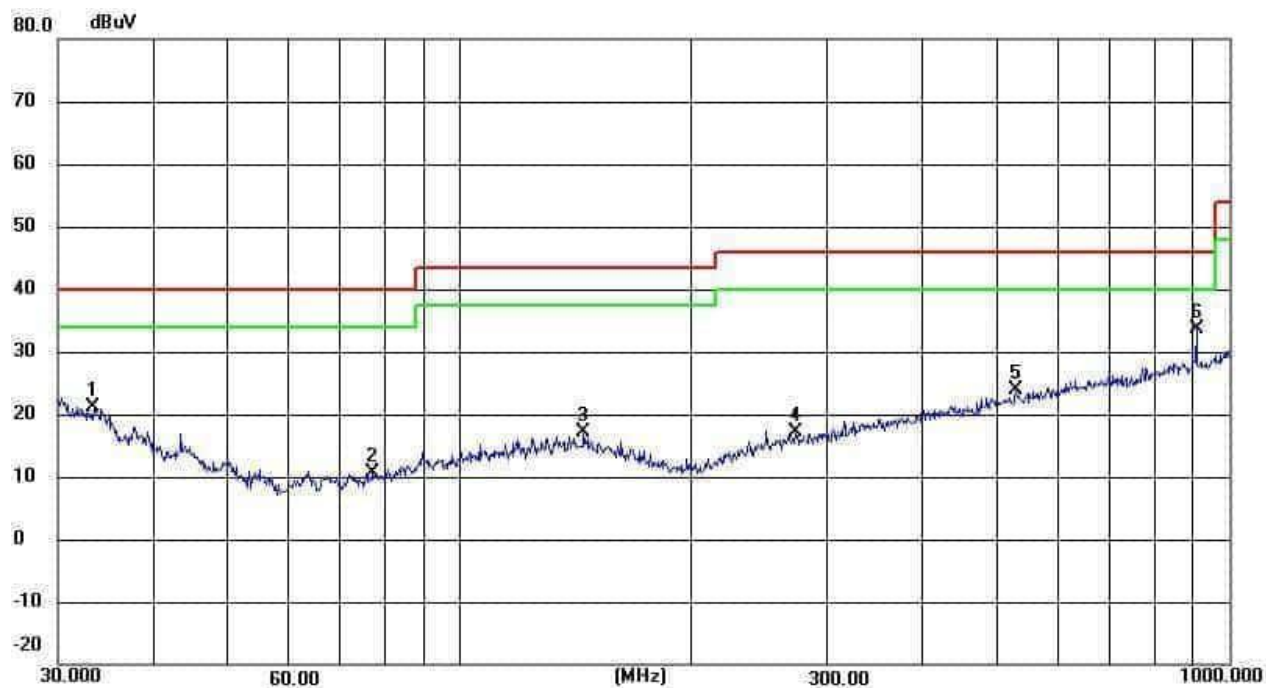
802.11a

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	33.6802	31.28	-9.65	21.63	40.00	-18.37	QP
2	55.4147	30.26	-19.80	10.46	40.00	-29.54	QP
3	111.7380	47.30	-32.18	15.12	43.50	-28.38	QP
4	228.4904	46.49	-32.01	14.48	46.00	-31.52	QP
5	452.7197	53.68	-31.44	22.24	46.00	-23.76	QP
6	922.5157	59.27	-30.68	28.59	46.00	-17.41	QP

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	33.4449	30.51	-9.50	21.01	40.00	-18.99	QP
2	77.0505	42.78	-32.15	10.63	40.00	-29.37	QP
3	144.8418	49.18	-32.13	17.05	43.50	-26.45	QP
4	273.2341	49.04	-31.94	17.10	46.00	-28.90	QP
5	528.2458	55.01	-31.25	23.76	46.00	-22.24	QP
6	906.4824	64.20	-30.69	33.51	46.00	-12.49	QP

Remark:

1. Margin = Result (Result = Reading + Factor) – Limit

2. All modes were tested, and mode 802.11a had the worst data. Only the worst mode is reflected in the report.

(1GHz~40GHz) Restricted band and Spurious emission Requirements

802.11a

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/ m)	Margin (dB)	Detect or Type
Low Channel:5745MHz									
V	11490	42.14	32.29	8.39	38.9	57.14	74	-16.86	PK
V	11490	20.9	32.29	8.39	38.9	35.9	54	-18.1	AV
V	17233.3	38.04	31.19	9.62	40.37	56.84	68.2	-11.36	PK
V	17233.3	20.93	31.19	9.62	40.37	39.73	54	-14.27	AV
V	22980	39.23	27.02	7.2	38.98	58.39	74	-15.61	PK
V	22980	18.99	27.02	7.2	38.98	38.15	54	-15.85	AV
V	28723.3	36.55	27.1	7.56	40.18	57.19	68.2	-11.01	PK
V	28723.3	17.07	27.1	7.56	40.18	37.71	54	-16.29	AV
H	11490	42.82	32.29	8.39	38.9	57.82	74	-16.18	PK
H	11490	21.39	32.29	8.39	38.9	36.39	54	-17.61	AV
H	17233.3	38.56	31.19	9.62	40.37	57.36	68.2	-10.84	PK
H	17233.3	17.85	31.19	9.62	40.37	36.65	54	-17.35	AV
H	22980	36.72	27.02	7.2	38.98	55.88	74	-18.12	PK
H	22980	20.13	27.02	7.2	38.98	39.29	54	-14.71	AV
H	28723.3	37.77	27.1	7.56	40.18	58.41	68.2	-9.79	PK
H	28723.3	16.03	27.1	7.56	40.18	36.67	54	-17.33	AV

Polar (H/V)	Frequency	Meter Reading	Pre- amplifier	Cable LosS	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:5785MHz									
V	11570	41.96	32.26	8.48	38.9	57.08	74	-16.92	PK
V	11570	17.78	32.26	8.48	38.9	32.9	54	-21.1	AV
V	17353.3	37.12	31.08	9.67	40.61	56.32	68.2	-11.88	PK
V	17353.3	15.96	31.08	9.67	40.61	35.16	54	-18.84	AV
V	23140	36.06	27.03	7.24	39.03	55.3	68.2	-12.9	PK
V	23140	15.95	27.03	7.24	39.03	35.19	54	-18.81	AV
V	28923.3	36.07	27.1	7.58	40.34	56.89	68.2	-11.31	PK
V	28923.3	17.04	27.1	7.58	40.34	37.86	54	-16.14	AV
H	11570	37.48	32.26	8.48	38.9	52.6	74	-21.4	PK
H	11570	19.25	32.26	8.48	38.9	34.37	54	-19.63	AV
H	17353.3	35.93	31.08	9.67	40.61	55.13	68.2	-13.07	PK
H	17353.3	15.82	31.08	9.67	40.61	35.02	54	-18.98	AV
H	23140	35.56	27.03	7.24	39.03	54.8	68.2	-13.4	PK
H	23140	16.09	27.03	7.24	39.03	35.33	54	-18.67	AV
H	28923.3	36.04	27.1	7.58	40.34	56.86	68.2	-11.34	PK
H	28923.3	13.71	27.1	7.58	40.34	34.53	54	-19.47	AV

Polar (H/V)		Frequency	Meter Reading	Pre- amplifier	Cable LosS	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
		(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:5825MHz										
V	11650	44.55	32.23	8.56	38.9	59.78	74	-14.22	PK	
V	11650	32.16	32.23	8.56	38.9	47.39	54	-6.61	AV	
V	17473.3	43.35	30.97	9.73	40.85	62.96	68.2	-5.24	PK	
V	17473.3	27.44	30.97	9.73	40.85	47.05	54	-6.95	AV	
V	23300	41.33	27.03	7.26	39.06	60.62	68.2	-7.58	PK	
V	23300	23.84	27.03	7.26	39.06	43.13	54	-10.87	AV	
V	29123.3	41.2	27.1	7.61	40.4	62.11	68.2	-6.09	PK	
V	29123.3	23.57	27.1	7.61	40.4	44.48	54	-9.52	AV	
H	11650	44.54	32.23	8.56	38.9	59.77	74	-14.23	PK	
H	11650	30.48	32.23	8.56	38.9	45.71	54	-8.29	AV	
H	17473.3	44.08	30.97	9.73	40.85	63.69	68.2	-4.51	PK	
H	17473.3	27.3	30.97	9.73	40.85	46.91	54	-7.09	AV	
H	23300	44.31	27.03	7.26	39.06	63.6	68.2	-4.6	PK	
H	23300	23.8	27.03	7.26	39.06	43.09	54	-10.91	AV	
H	29123.3	38.14	27.1	7.61	40.4	59.05	68.2	-9.15	PK	
H	29123.3	23.7	27.1	7.61	40.4	44.61	54	-9.39	AV	

Polar (H/V)		Frequency	Meter Reading	Pre- amplifier	Cable LosS	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
		(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Low Channel:5180MHz										
V	10360	45.76	32.7	7.72	38.59	59.37	68.2	-8.83	PK	
V	10360	24.44	32.7	7.72	38.59	38.05	54	-15.95	AV	
V	15540	43.17	31.74	9.44	39.29	60.16	74	-13.84	PK	
V	15540	18.34	31.74	9.44	39.29	35.33	54	-18.67	AV	
V	20720	42.69	26.93	6.64	37.94	60.34	74	-13.66	PK	
V	20720	19.15	26.93	6.64	37.94	36.8	54	-17.2	AV	
V	25900	36.95	27.1	7.9	39.32	57.07	68.2	-11.13	PK	
V	25900	22.75	27.1	7.9	39.32	42.87	54	-11.13	AV	
H	10360	38.59	32.7	7.72	38.59	52.2	68.2	-16	PK	
H	10360	23.14	32.7	7.72	38.59	36.75	54	-17.25	AV	
H	15540	38.81	31.74	9.44	39.29	55.8	74	-18.2	PK	
H	15540	23.16	31.74	9.44	39.29	40.15	54	-13.85	AV	
H	20720	42.22	26.93	6.64	37.94	59.87	74	-14.13	PK	
H	20720	17.51	26.93	6.64	37.94	35.16	54	-18.84	AV	
H	25900	40.13	27.1	7.9	39.32	60.25	68.2	-7.95	PK	
H	25900	20.75	27.1	7.9	39.32	40.87	54	-13.13	AV	

Polar (H/V)		Frequency	Meter Reading	Pre- amplifier	Cable LosS	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
		(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
Middle Channel:5200MHz										
V	10400	44.72	32.69	7.73	38.62	58.38	68.2	-9.82	PK	
V	10400	25.7	32.69	7.73	38.62	39.36	54	-14.64	AV	
V	15600	40.51	31.72	9.45	39.28	57.52	74	-16.48	PK	
V	15600	21.08	31.72	9.45	39.28	38.09	54	-15.91	AV	
V	20800	38.14	26.93	6.73	37.96	55.9	74	-18.1	PK	
V	20800	21.46	26.93	6.73	37.96	39.22	54	-14.78	AV	
V	26000	38.28	27.1	7.94	39.3	58.42	68.2	-9.78	PK	
V	26000	17.21	27.1	7.94	39.3	37.35	54	-16.65	AV	
H	10400	42.85	32.69	7.73	38.62	56.51	68.2	-11.69	PK	
H	10400	21.33	32.69	7.73	38.62	34.99	54	-19.01	AV	
H	15600	39.74	31.72	9.45	39.28	56.75	74	-17.25	PK	
H	15600	21.36	31.72	9.45	39.28	38.37	54	-15.63	AV	
H	20800	40.07	26.93	6.73	37.96	57.83	74	16.17	PK	
H	20800	19.46	26.93	6.73	37.96	37.22	54	-16.78	AV	
H	26000	38.51	27.1	7.94	39.3	58.65	68.2	-9.55	PK	
H	26000	17.07	27.1	7.94	39.3	37.21	54	-16.79	AV	

Polar (H/V)		Frequency	Meter Reading	Pre- amplifier	Cable LosS	Antenna Factor	Emission Level	Limits	Margin	Detect or Type
		(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/ m)	(dB)	
High Channel:5240MHz										
V	10480	40.9	32.66	7.74	38.68	54.66	68.2	-13.54	PK	
V	10480	25.55	32.66	7.74	38.68	39.31	54	-14.69	AV	
V	15720	37.59	31.68	9.48	39.26	54.65	74	-19.35	PK	
V	15720	18.59	31.68	9.48	39.26	35.65	54	-18.35	AV	
V	20960	38.05	26.94	6.91	37.99	56.01	74	-17.99	PK	
V	20960	20.77	26.94	6.91	37.99	38.73	54	-15.27	AV	
V	26200	39.22	27.1	7.89	39.5	59.51	68.2	-8.69	PK	
V	26200	16.02	27.1	7.89	39.5	36.31	54	-17.69	AV	
H	10480	45.75	32.66	7.74	38.68	59.51	68.2	-8.69	PK	
H	10480	24.58	32.66	7.74	38.68	38.34	54	-15.66	AV	
H	15720	41.07	31.68	9.48	39.26	58.13	74	-15.87	PK	
H	15720	21.09	31.68	9.48	39.26	38.15	54	-15.85	AV	
H	20960	39.61	26.94	6.91	37.99	57.57	74	-16.43	PK	
H	20960	21.14	26.94	6.91	37.99	39.1	54	-14.9	AV	
H	26200	35.69	27.1	7.89	39.5	55.98	68.2	-12.22	PK	
H	26200	18.91	27.1	7.89	39.5	39.2	54	-14.8	AV	

Remark:

1. Emission Level=Meter Reading+Antenna Factor+Cable Loss-Pre-amplifier,
Margin=Emission Level-Limit
- 2.If peak below the average limit,the average emission was no test.
- 3.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 4.The worst mode is 802.11a,only the worst data is recorded.



Radiated Band Edge data

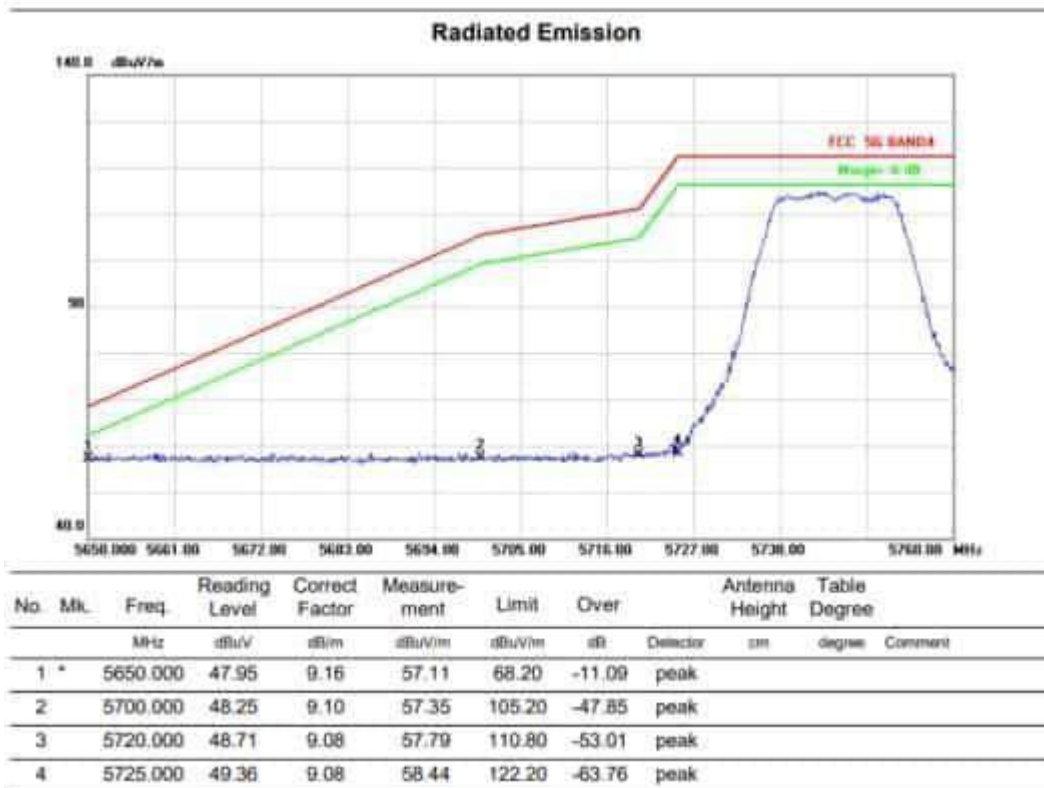
EUT:		Android Car Radio				Model Name.:		YC665	
Temperature:		20 °C				Relative Humidity:		48%	
Pressure:		1010 hPa				Test Voltage:		DC 5V	
Test Mode:		TX(5.2G)-802.11a							
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
5.2G WIFI-802.11a Mode									
4500	56.12	5.2	35.6	44.2	52.72	74	-21.28	Pk	Horizontal
4500	47.68	5.2	35.6	44.2	44.28	54	-9.72	AV	Horizontal
4500	59.35	5.2	35.6	44.2	55.95	74	-18.05	Pk	Vertical
4500	46.21	5.2	35.6	44.2	42.81	54	-11.19	AV	Vertical
5150	70.38	5.36	35.66	44.22	67.18	74	-6.82	Pk	Horizontal
5150	49.54	5.36	35.66	44.22	46.34	54	-7.66	AV	Horizontal
5150	56.47	5.36	35.66	44.22	53.27	74	-20.73	Pk	Vertical
5150	38.14	5.36	35.66	44.22	34.94	54	-19.06	AV	Vertical
5350	65.43	5.68	35.68	44.22	62.57	74	-11.43	Pk	Vertical
5350	47.18	5.68	35.68	44.22	44.32	54	-9.68	AV	Vertical
5350	61.32	5.68	35.68	44.22	58.46	74	-15.54	Pk	Horizontal
5350	45.55	5.68	35.68	44.22	42.69	54	-11.31	AV	Horizontal

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

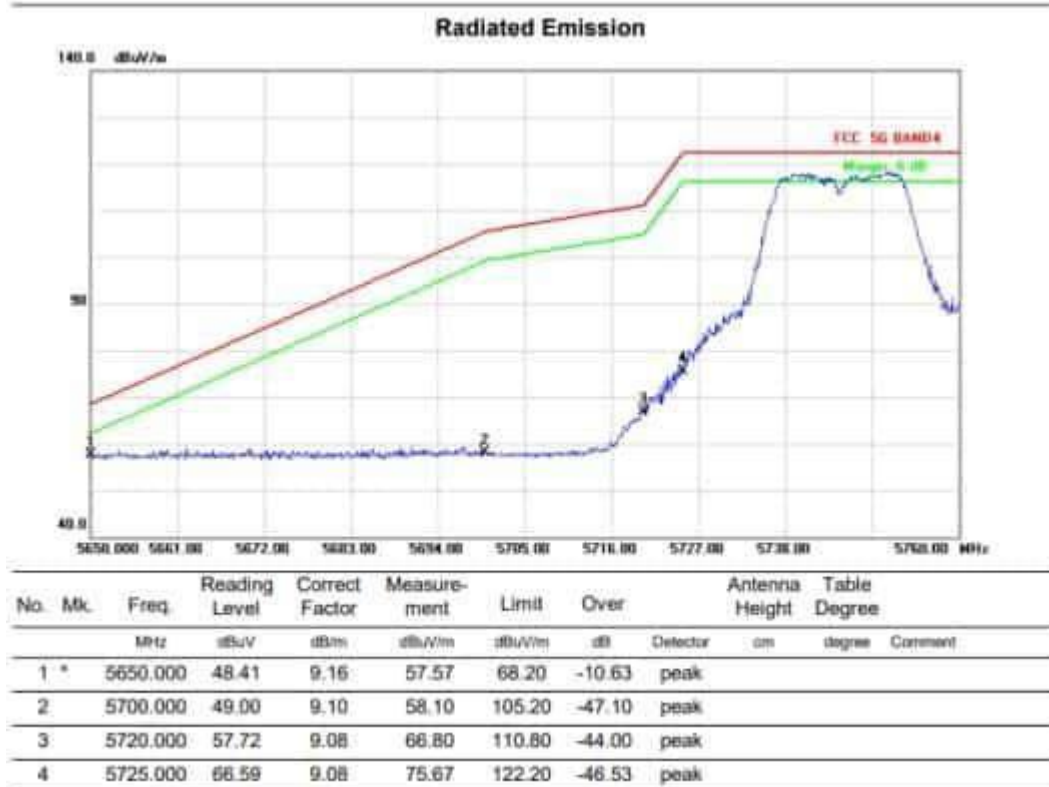
Note:(1)Emission Level=Antenna Factor+Cable Loss+Read Level-Preamplifier Factor.

(2)When PK value is lower than the Average value limit,average don't record.

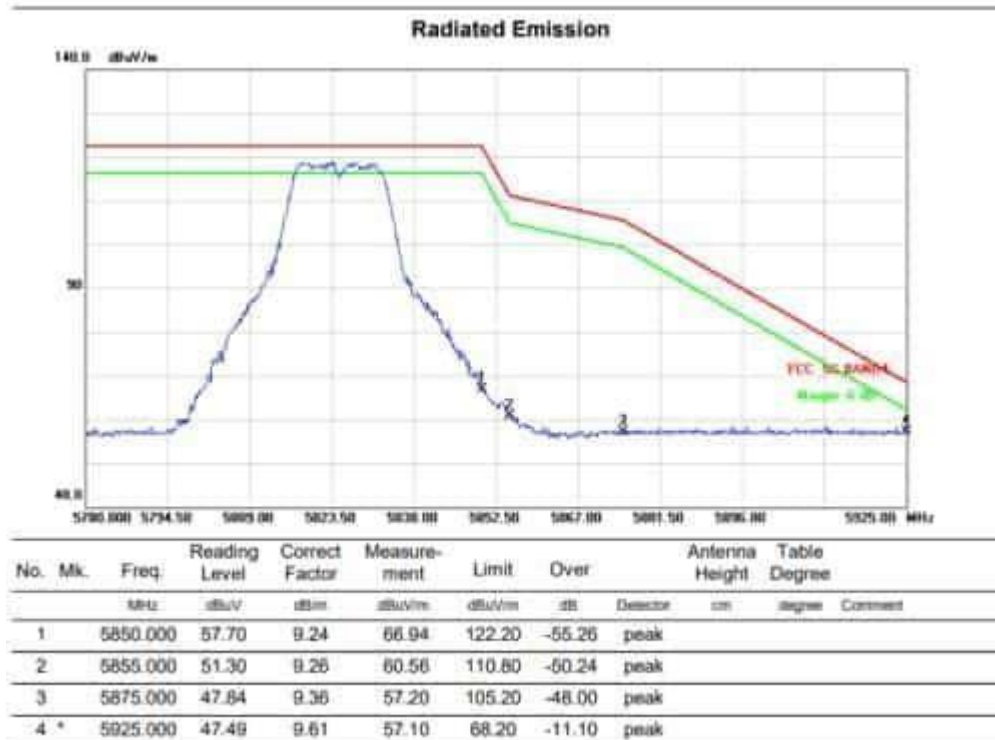
11a Channel 149: Horizontal



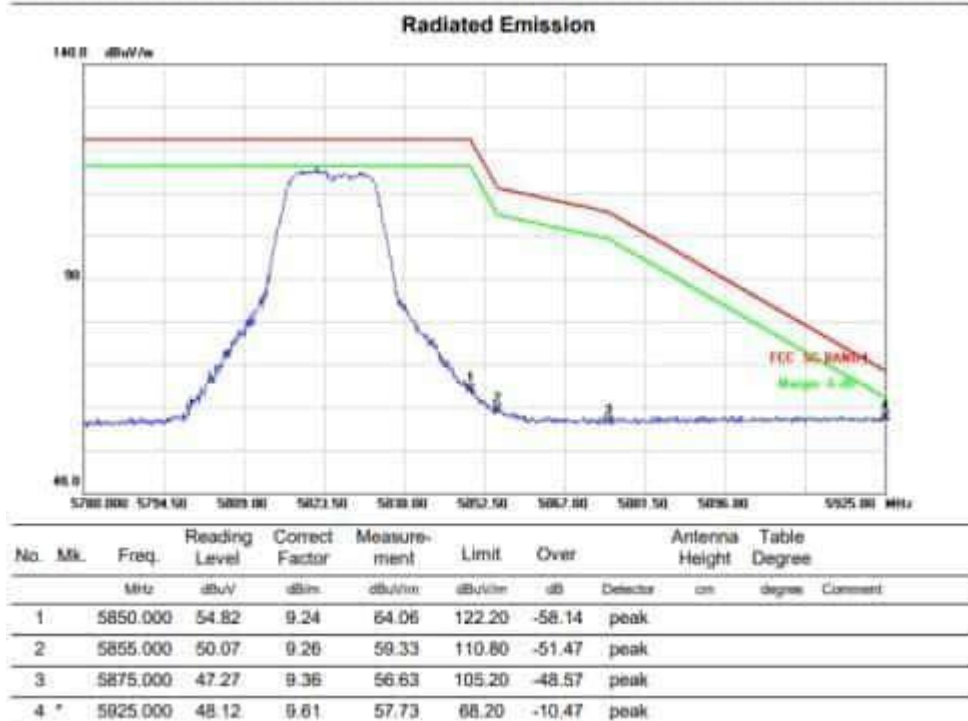
11a Channel 149: Vertical



11a Channel 161: Horizontal



11a Channel 161: Vertical



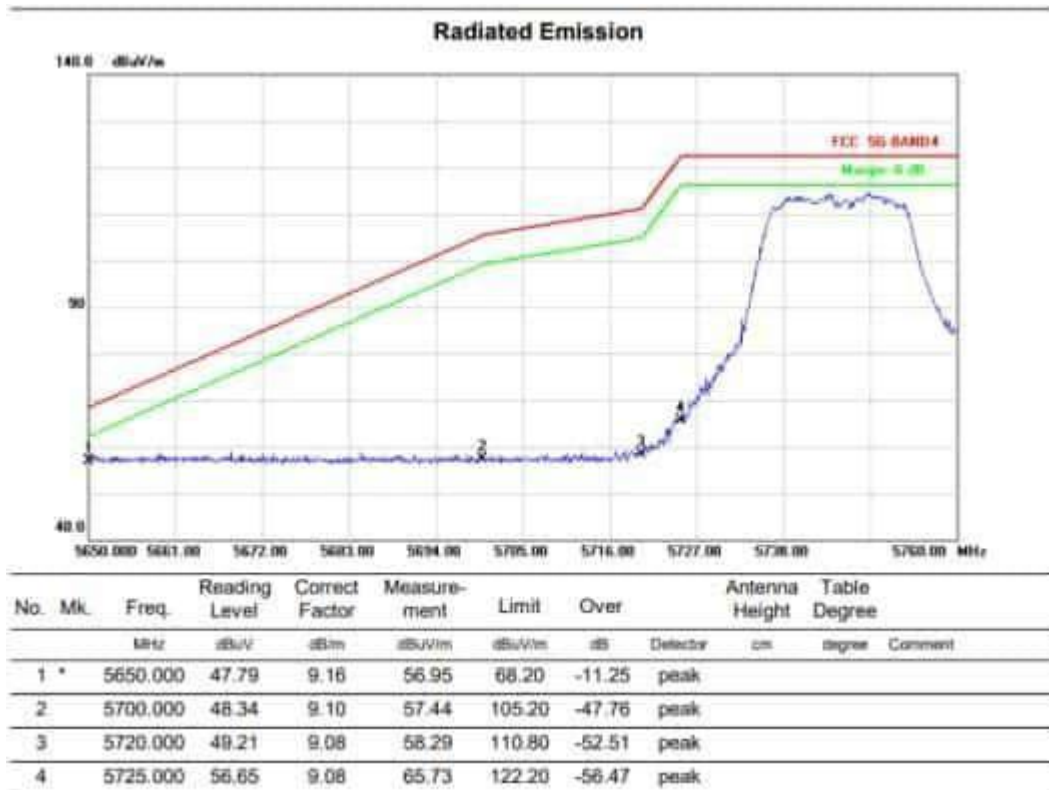


EUT:		Android Car Radio				Model Name.:		YC665	
Temperature:		20 °C				Relative Humidity:		48%	
Pressure:		1010 hPa				Test Voltage:		DC 5V	
Test Mode:		TX(5.2G)-802.11n20							
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
5.2G WIFI-802.11n20 Mode									
4500	55.46	5.2	35.6	44.2	52.06	74	-21.94	Pk	Horizontal
4500	46.12	5.2	35.6	44.2	42.72	54	-11.28	AV	Horizontal
4500	58.15	5.2	35.6	44.2	54.75	74	-19.25	Pk	Vertical
4500	47.38	5.2	35.6	44.2	43.98	54	-10.02	AV	Vertical
5150	71.01	5.36	35.66	44.22	67.81	74	-6.19	Pk	Horizontal
5150	48.99	5.36	35.66	44.22	45.79	54	-8.21	AV	Horizontal
5150	55.39	5.36	35.66	44.22	52.19	74	-21.81	Pk	Vertical
5150	39.01	5.36	35.66	44.22	35.81	54	-18.19	AV	Vertical
5350	64.32	5.68	35.68	44.22	61.46	74	-12.54	Pk	Vertical
5350	46.89	5.68	35.68	44.22	44.03	54	-9.97	AV	Vertical
5350	62.10	5.68	35.68	44.22	59.24	74	-14.76	Pk	Horizontal
5350	44.25	5.68	35.68	44.22	41.39	54	-12.61	AV	Horizontal

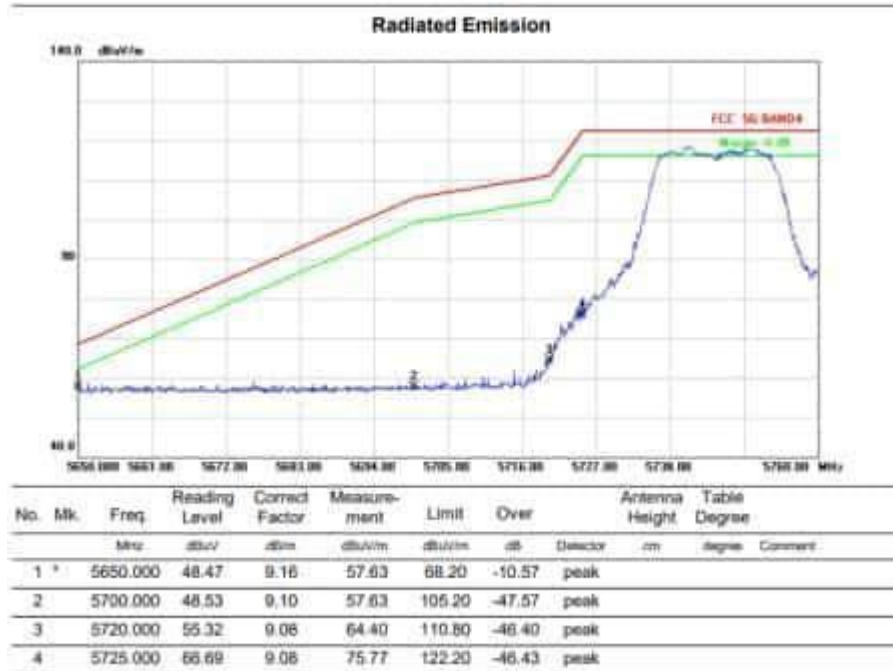
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Note:(1)Emission Level=Antenna Factor+Cable Loss+Read Level-Preamplifier Factor
(2)When PK value is lower than the Average value limit,average don't record.

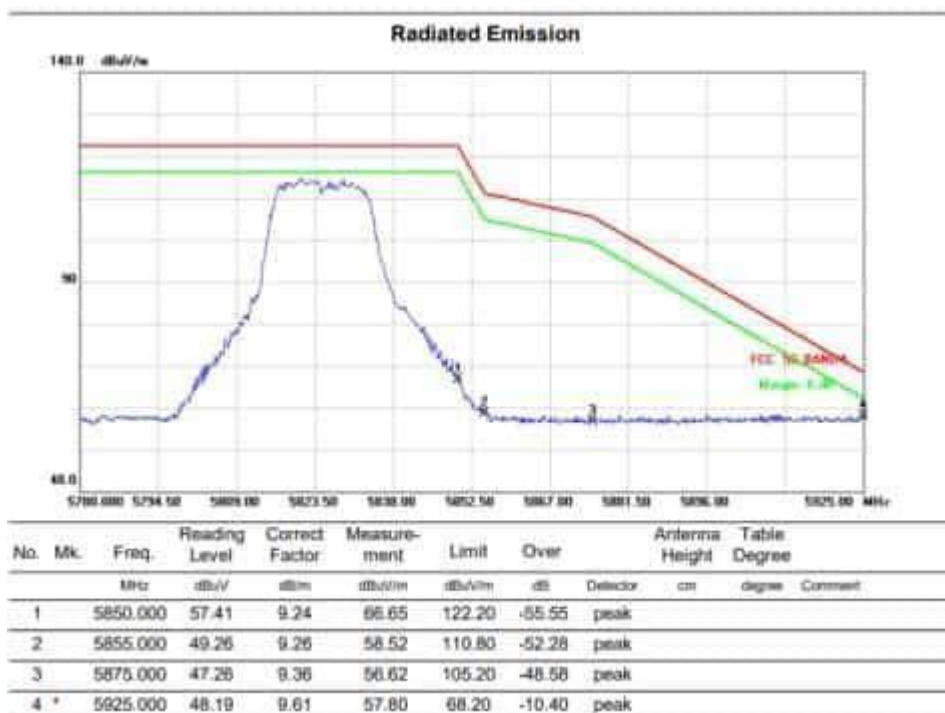
11n20 Channel 149: Horizontal



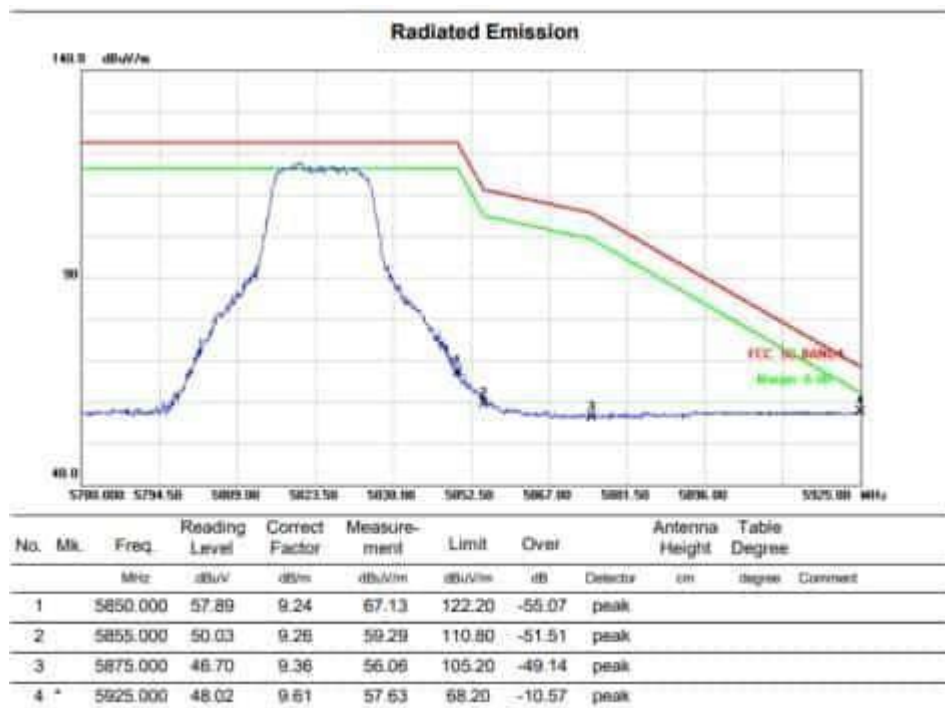
11n20 Channel 149: Vertical



11n20 Channel 165: Horizontal



11n20 Channel 165: Vertical



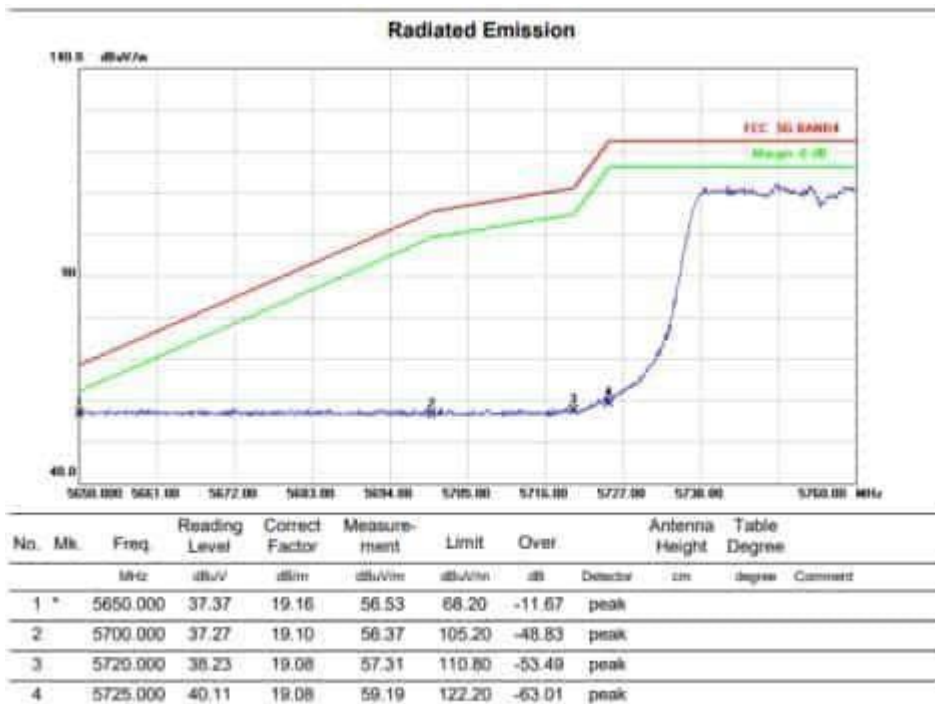


EUT:		Android Car Radio				Model Name.:		YC665	
Temperature:		20 °C				Relative Humidity:		48%	
Pressure:		1010 hPa				Test Voltage:		DC 5V	
Test Mode:		TX(5.2G)-802.11n40							
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
5.2G WIFI-802.11n40 Mode									
4500	55.01	5.2	35.6	44.2	51.61	74	-22.39	Pk	Horizontal
4500	46.28	5.2	35.6	44.2	42.88	54	-11.12	AV	Horizontal
4500	58.28	5.2	35.6	44.2	54.88	74	-19.12	Pk	Vertical
4500	47.47	5.2	35.6	44.2	44.07	54	-9.93	AV	Vertical
5150	71.18	5.36	35.66	44.22	67.98	74	-6.02	Pk	Horizontal
5150	48.24	5.36	35.66	44.22	45.04	54	-8.96	AV	Horizontal
5150	55.17	5.36	35.66	44.22	51.97	74	-22.03	Pk	Vertical
5150	39.89	5.36	35.66	44.22	36.69	54	-17.31	AV	Vertical
5350	64.56	5.68	35.68	44.22	61.7	74	-12.3	Pk	Vertical
5350	46.48	5.68	35.68	44.22	43.62	54	-10.38	AV	Vertical
5350	62.37	5.68	35.68	44.22	59.51	74	-14.49	Pk	Horizontal
5350	44.09	5.68	35.68	44.22	41.23	54	-12.77	AV	Horizontal

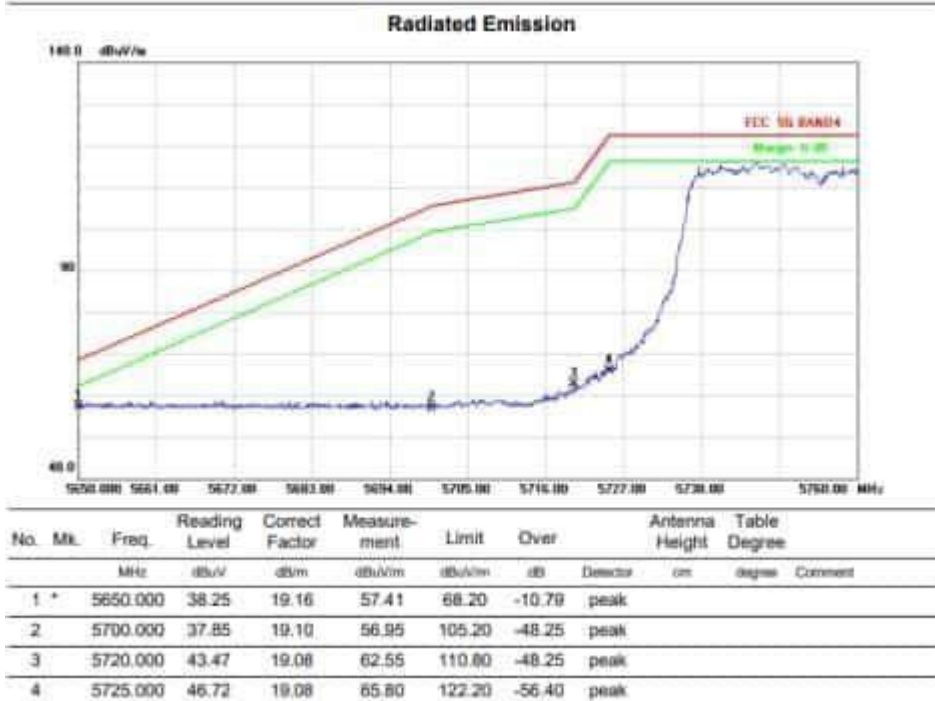
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Note:(1)Emission Level=Antenna Factor+Cable Loss+Read Level-Preamplifier Factor
(2)When PK value is lower than the Average value limit,average don't record.

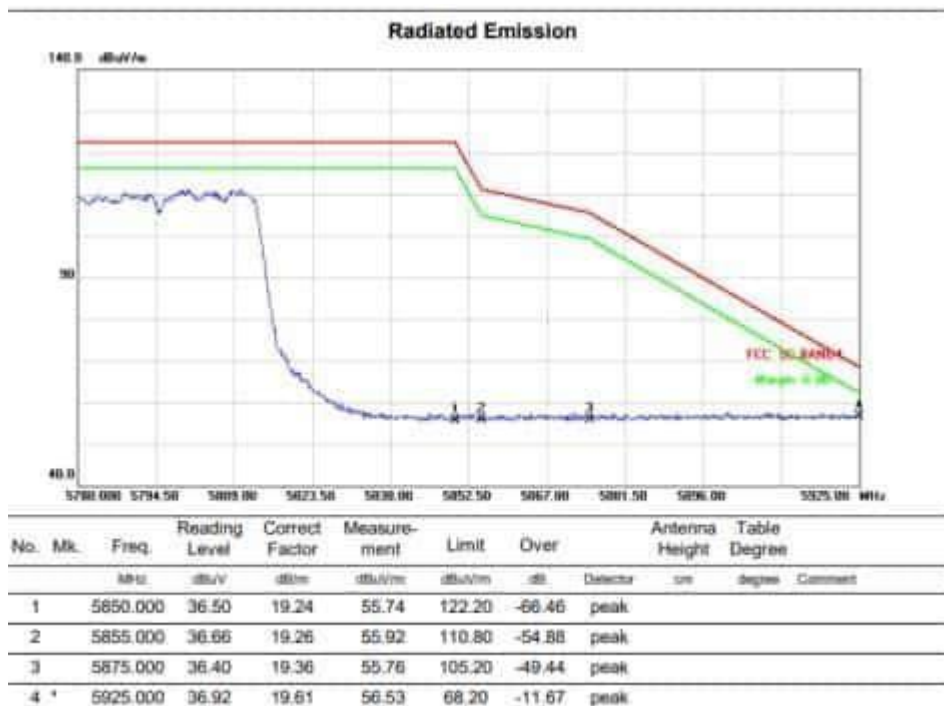
11n40 Channel 151: Horizontal



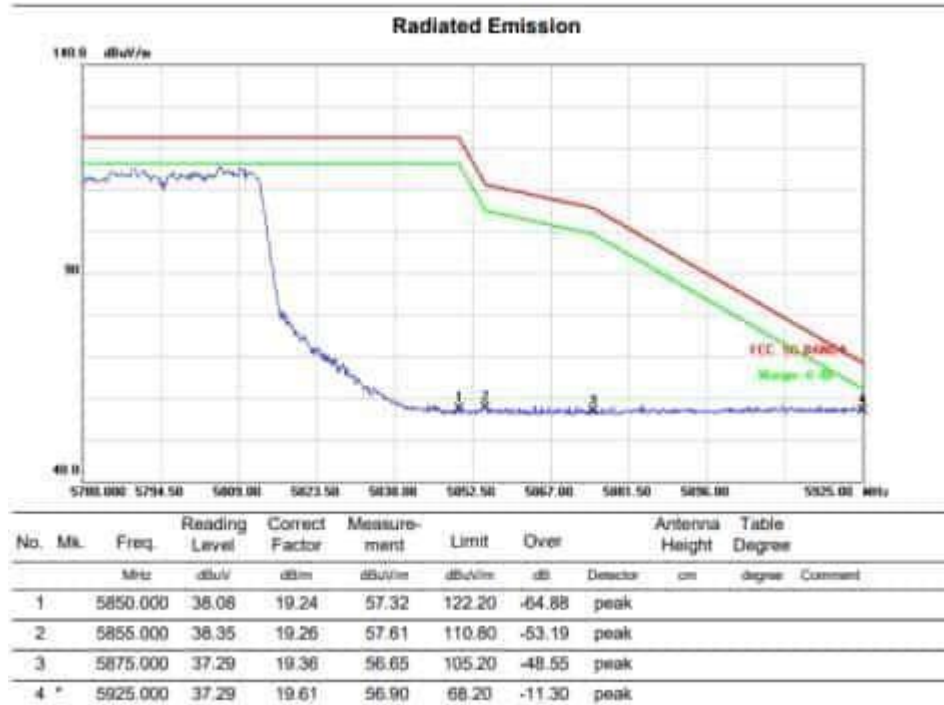
11n40 Channel 151: Vertical



11n40 Channel 159: Horizontal



11n40 Channel 159: Vertical



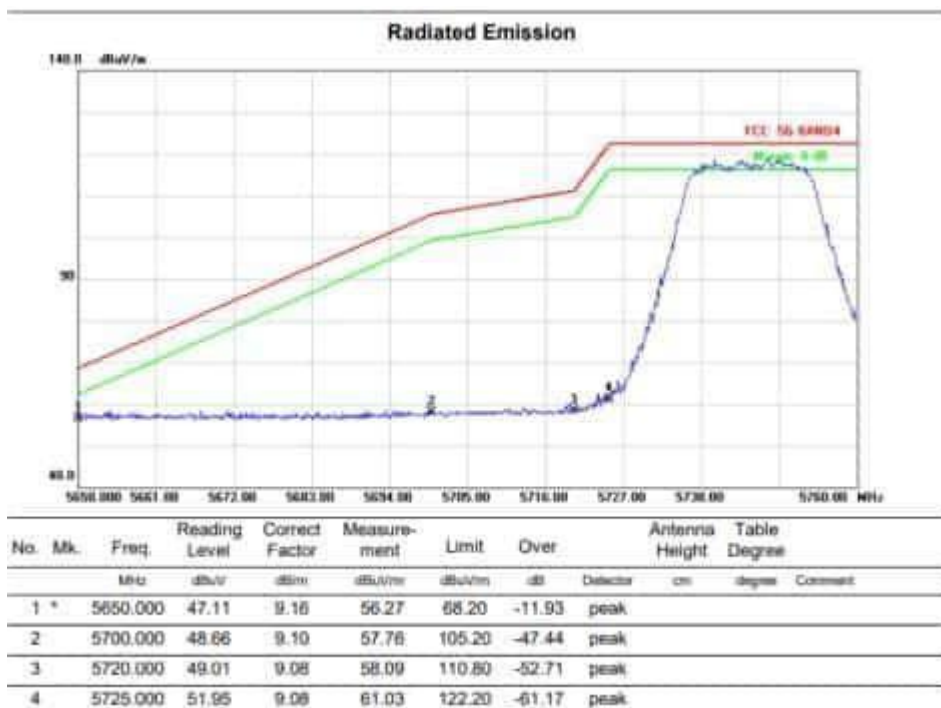


EUT:		Android Car Radio				Model Name.:		YC665	
Temperature:		20 °C				Relative Humidity:		48%	
Pressure:		1010 hPa				Test Voltage:		DC 5V	
Test Mode:		TX(5.2G)-802.11ac20							
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
5.2G WIFI-802.11ac20 Mode									
4500	55.98	5.2	35.6	44.2	52.58	74	-21.42	Pk	Horizontal
4500	46.64	5.2	35.6	44.2	43.24	54	-10.76	AV	Horizontal
4500	58.37	5.2	35.6	44.2	54.97	74	-19.03	Pk	Vertical
4500	47.69	5.2	35.6	44.2	44.29	54	-9.71	AV	Vertical
5150	71.51	5.36	35.66	44.22	68.31	74	-5.69	Pk	Horizontal
5150	48.36	5.36	35.66	44.22	45.16	54	-8.84	AV	Horizontal
5150	55.28	5.36	35.66	44.22	52.08	74	-21.92	Pk	Vertical
5150	39.55	5.36	35.66	44.22	36.35	54	-17.65	AV	Vertical
5350	64.17	5.68	35.68	44.22	61.31	74	-12.69	Pk	Vertical
5350	46.29	5.68	35.68	44.22	43.43	54	-10.57	AV	Vertical
5350	62.53	5.68	35.68	44.22	59.67	74	-14.33	Pk	Horizontal
5350	44.88	5.68	35.68	44.22	42.02	54	-11.98	AV	Horizontal

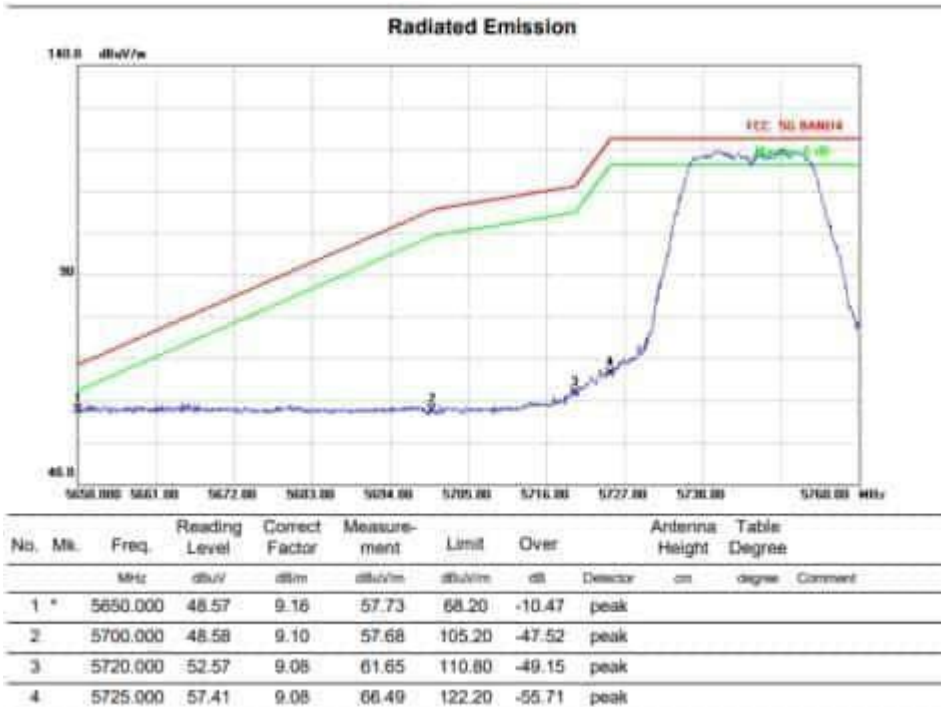
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Note:(1)Emission Level=Antenna Factor+Cable Loss+Read Level-Preamplifier Factor
(2)When PK value is lower than the Average value limit,average don't record.

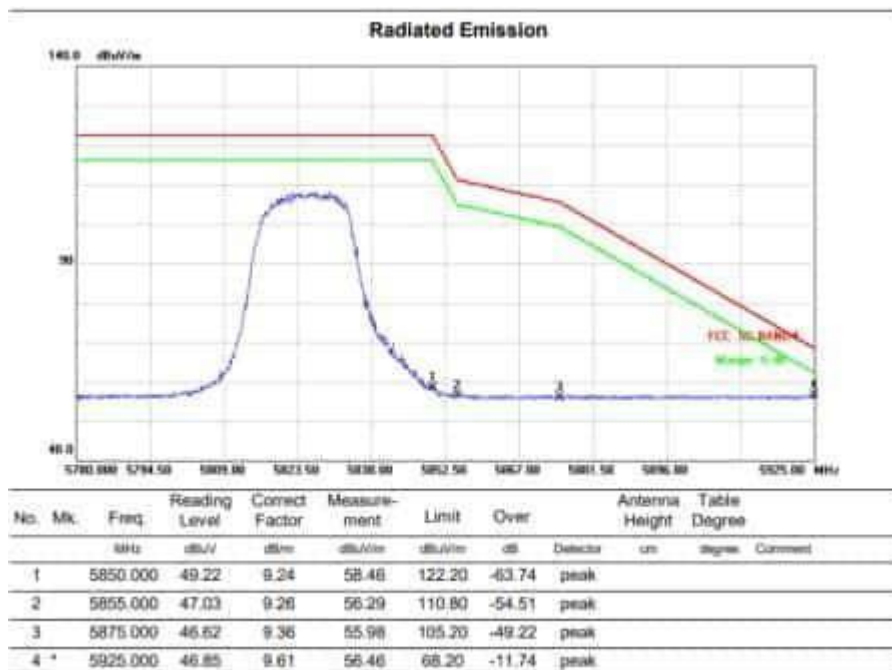
11ac20 Channel 149: Horizontal



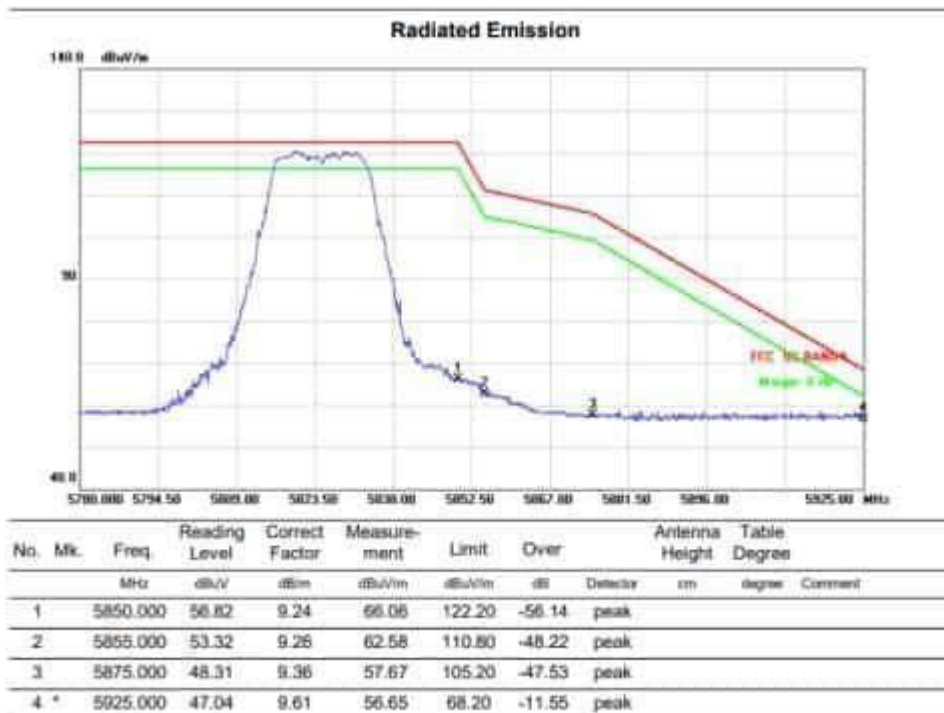
11ac20 Channel 149: Vertical



11ac20 Channel 165: Horizontal



11ac20 Channel 165: Vertical



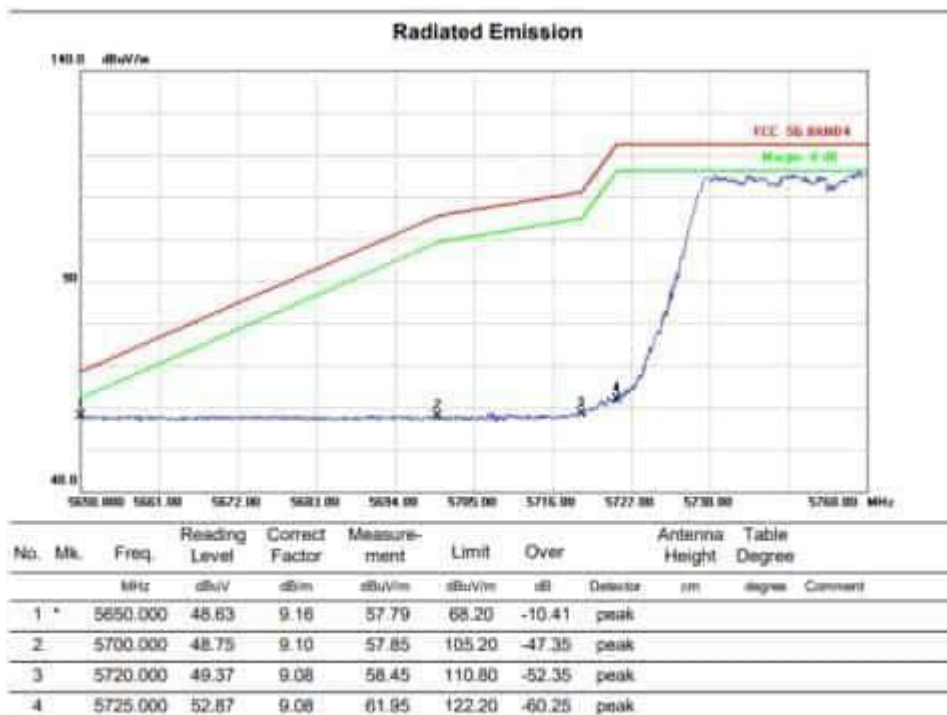


EUT:		Android Car Radio				Model Name.:		YC665	
Temperature:		20 °C				Relative Humidity:		48%	
Pressure:		1010 hPa				Test Voltage:		DC 5V	
Test Mode:		TX(5.2G)-802.11ac40							
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
5.2G WIFI-802.11ac40 Mode									
4500	56.06	5.2	35.6	44.2	52.66	74	-21.34	Pk	Horizontal
4500	47.31	5.2	35.6	44.2	43.91	54	-10.09	AV	Horizontal
4500	59.88	5.2	35.6	44.2	56.48	74	-17.52	Pk	Vertical
4500	48.21	5.2	35.6	44.2	44.81	54	-9.19	AV	Vertical
5150	68.23	5.36	35.66	44.22	65.03	74	-8.97	Pk	Horizontal
5150	47.38	5.36	35.66	44.22	44.18	54	-9.82	AV	Horizontal
5150	56.27	5.36	35.66	44.22	53.07	74	-20.93	Pk	Vertical
5150	40.01	5.36	35.66	44.22	36.81	54	-17.19	AV	Vertical
5350	65.87	5.68	35.68	44.22	63.01	74	-10.99	Pk	Vertical
5350	47.35	5.68	35.68	44.22	44.49	54	-9.51	AV	Vertical
5350	62.33	5.68	35.68	44.22	59.47	74	-14.53	Pk	Horizontal
5350	44.32	5.68	35.68	44.22	41.46	54	-12.54	AV	Horizontal

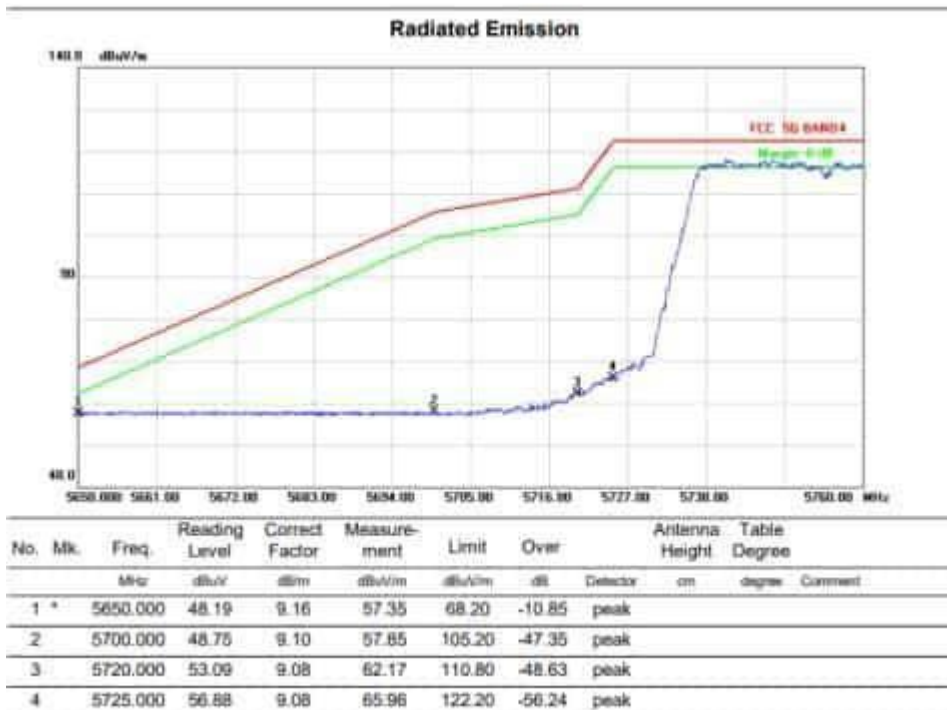
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Note:(1)Emission Level=Antenna Factor+Cable Loss+Read Level-Preamplifier Factor
(2)When PK value is lower than the Average value limit,average don't record.

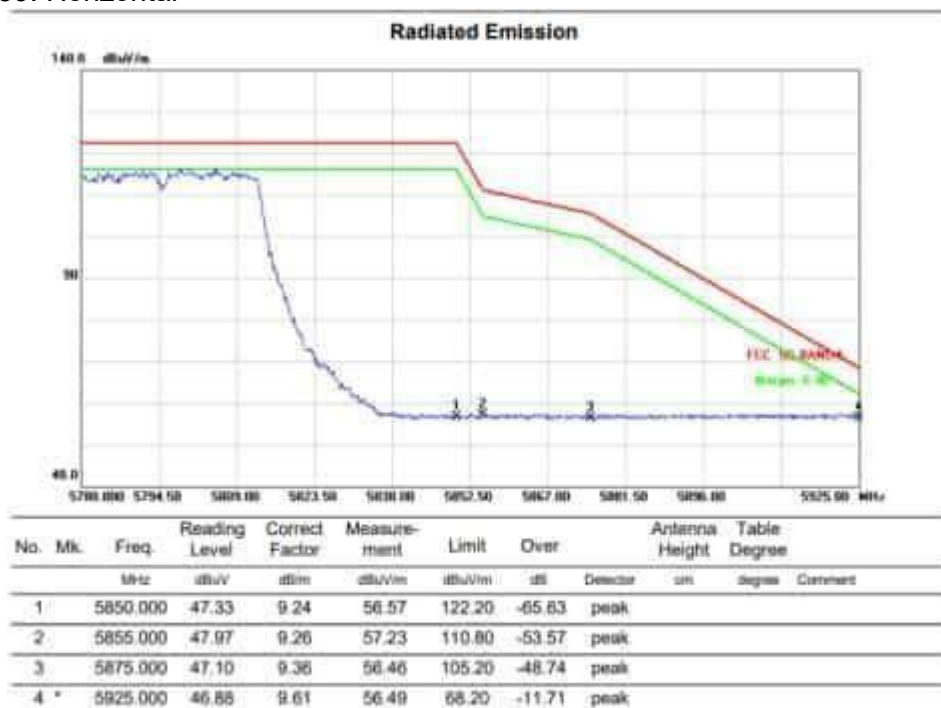
11ac40 Channel 151: Horizontal



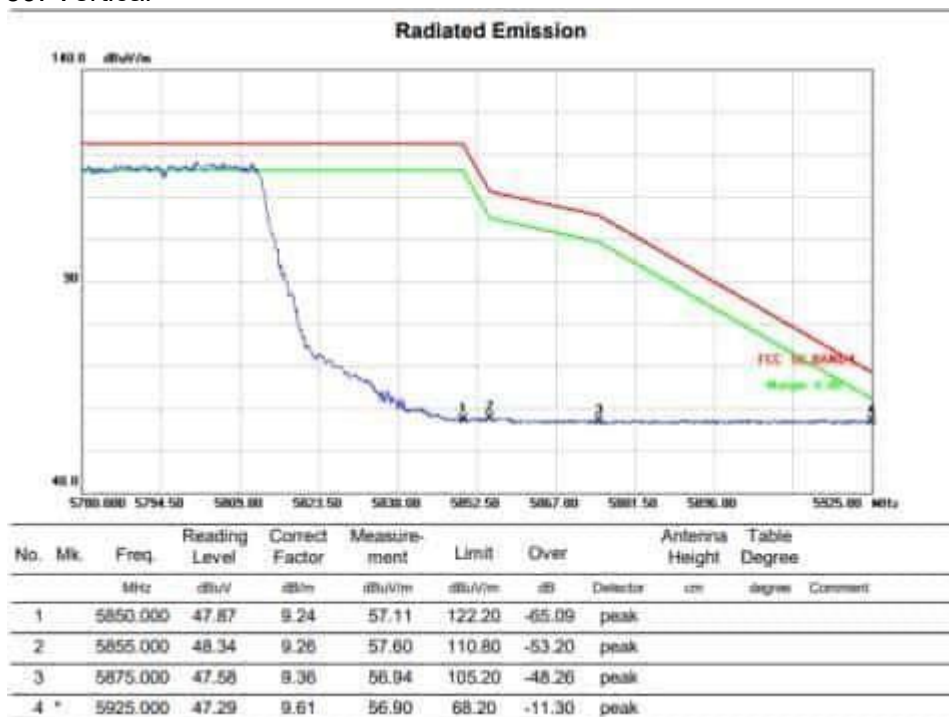
11ac40 Channel 151: Vertical



11ac40 Channel 159: Horizontal



11ac40 Channel 159: Vertical





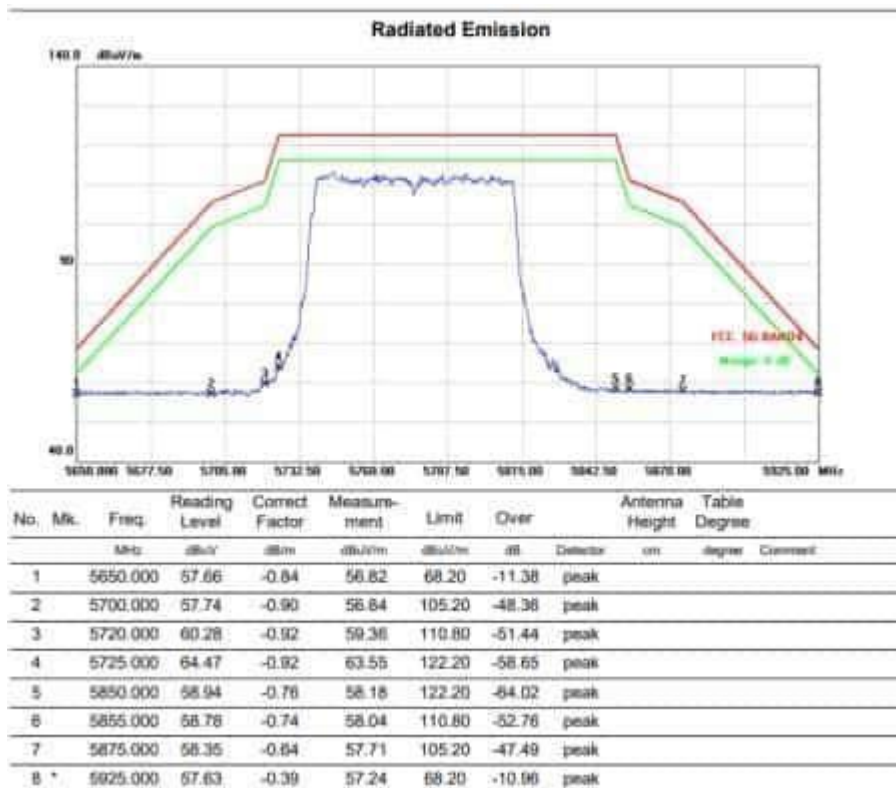
EUT:		Android Car Radio				Model Name.:		YC665	
Temperature:		20 °C				Relative Humidity:		48%	
Pressure:		1010 hPa				Test Voltage:		DC 5V	
Test Mode:		TX(5.2G)-802.11ac80							
Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
5.2G WIFI-802.11ac80 Mode									
4500	56.14	5.2	35.6	44.2	52.74	74	-21.26	Pk	Horizontal
4500	47.28	5.2	35.6	44.2	43.88	54	-10.12	AV	Horizontal
4500	59.65	5.2	35.6	44.2	56.25	74	-17.75	Pk	Vertical
4500	48.31	5.2	35.6	44.2	44.91	54	-9.09	AV	Vertical
5150	68.47	5.36	35.66	44.22	65.27	74	-8.73	Pk	Horizontal
5150	47.69	5.36	35.66	44.22	44.49	54	-9.51	AV	Horizontal
5150	56.09	5.36	35.66	44.22	52.89	74	-21.11	Pk	Vertical
5150	40.34	5.36	35.66	44.22	37.14	54	-16.86	AV	Vertical
5350	65.27	5.68	35.68	44.22	62.41	74	-11.59	Pk	Vertical
5350	47.13	5.68	35.68	44.22	44.27	54	-9.73	AV	Vertical
5350	62.77	5.68	35.68	44.22	59.91	74	-14.09	Pk	Horizontal
5350	44.60	5.68	35.68	44.22	41.74	54	-12.26	AV	Horizontal

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

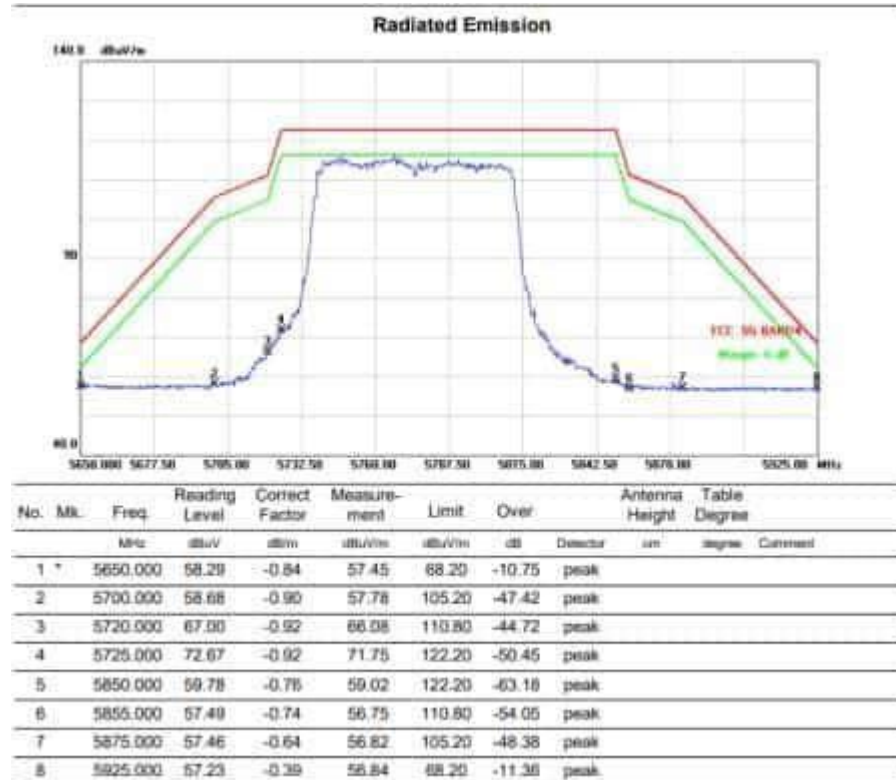
Note:(1)Emission Level=Antenna Factor+Cable Loss+Read Level-Preamplifier Factor

(2)When PK value is lower than the Average value limit,average don't record.

11ac80 Channel 155: Horizontal



11ac80 Channel 155: Vertical



10 CONDUCTED EMISSION TEST

10.1 POWER LINE CONDUCTED EMISSION LIMITS

Operating frequency band. In case the emission fall within the restricted band specified on Part 207(a) limit in the table below has to be followed.

FREQUENCY (MHz)	Conducted Emission limit (dBuV)	
	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

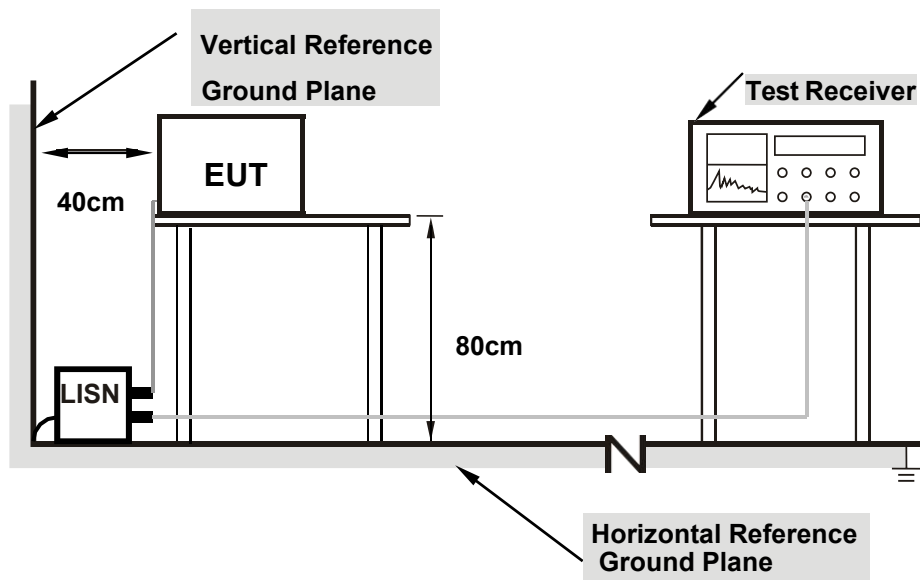
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

10.2 TEST PROCEDURE

- The EUT was 0.8 meters from the horizontal ground plane and 0.4 meters from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

10.3 TEST SETUP



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

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes



10 .4 TEST RESULT

Note: Not applicable



11. ANTENNA REQUIREMENT

11.1 STANDARD REQUIREMENT

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

11.2 RESULT

The antennas used for this product are IPEX-FPC antenna and other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 1.63 dBi.

*****END OF THE REPORT*****