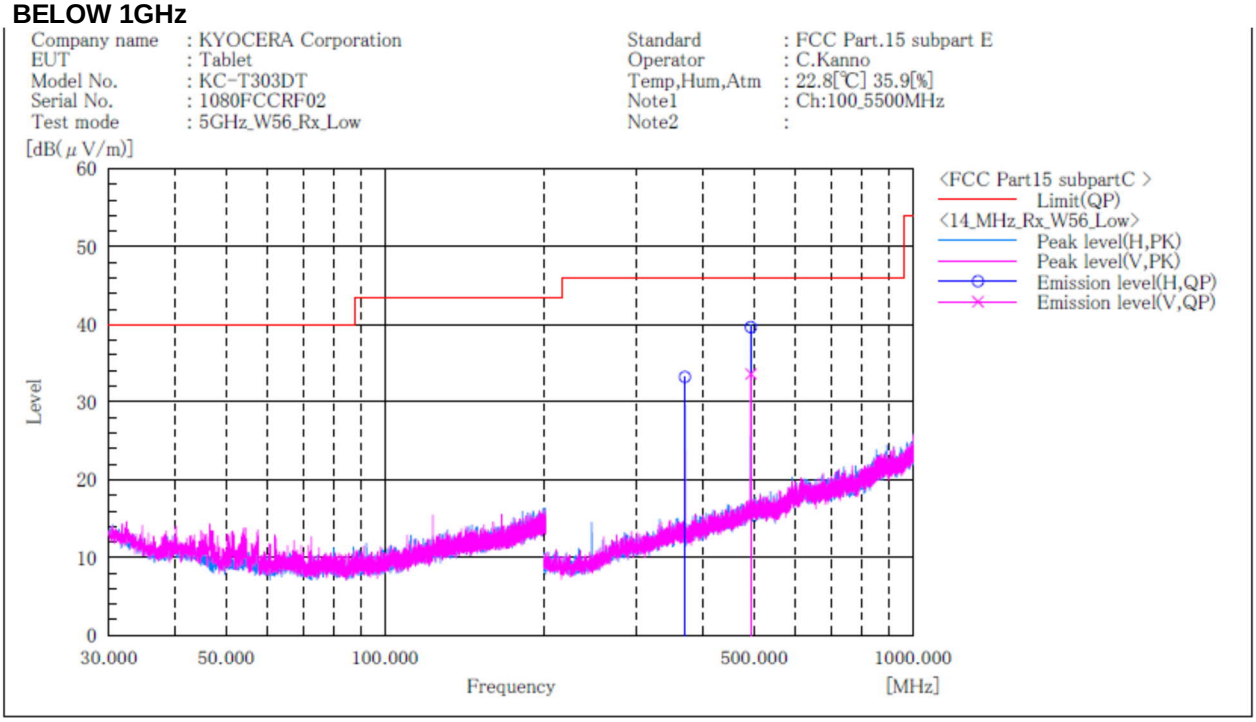
W56 / Channel Low

BELOW 1GHz



Final Result

No.	Frequency	(P)	Reading QP	c.f	Result QP	Limit QP	Margin QP	Height	Angle	Remark
	[MHz]		[dB(μV)]	[dB(1/m)]	[dB(μV/m)]	[dB(μV/m)]	[dB]	[cm]	[°]	
1	369.740	H	45.4	-12.2	33.2	46.0	12.8	100.0	78.0	
2	493.000	H	48.9	-9.2	39.7	46.0	6.3	198.0	249.0	
3	493.000	V	42.8	-9.2	33.6	46.0	12.4	201.0	314.0	

Note:

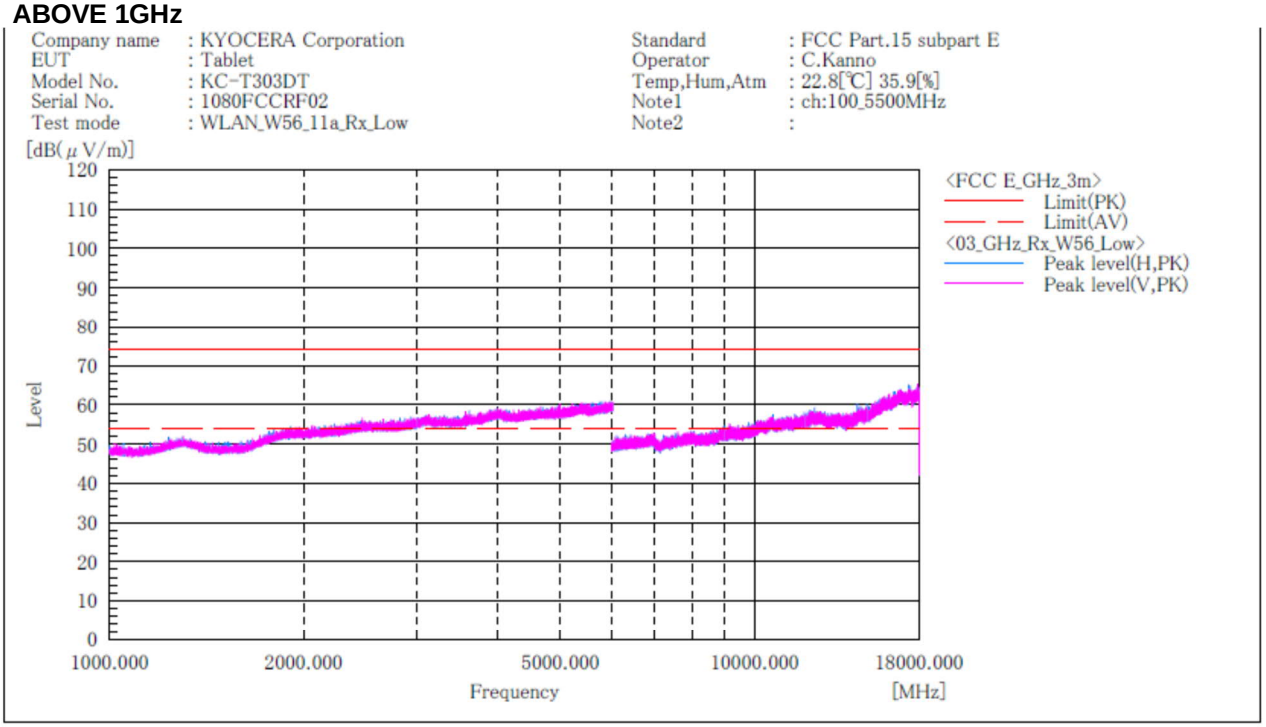
1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]

Japan

W56 / Channel Low

ABOVE 1GHz

Company name	: KYOCERA Corporation	Standard	: FCC Part.15 subpart E
EUT	: Tablet	Operator	: C.Kanno
Model No.	: KC-T303DT	Temp,Hum,Atm	: 22.8[℃] 35.9[%]
Serial No.	: 1080FCCRF02	Note1	: ch:100_5500MHz
Test mode	: WLAN_W56_11a_Rx_Low	Note2	:



Final Result

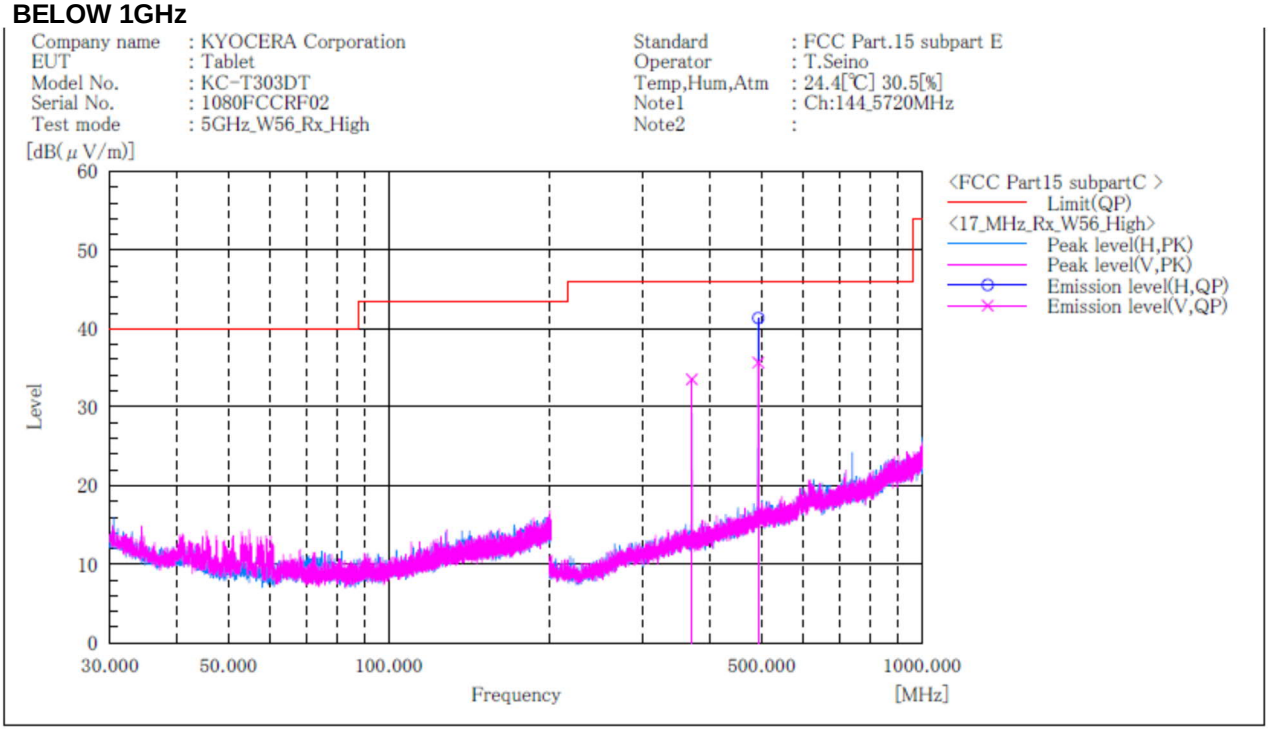
No.	Frequency [MHz]	(P)	c.f [dB(1/m)]	Height [cm]	Angle [°]	Remark

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

W56 / Channel High

BELOW 1GHz



Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(μV)]	c.f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [°]	Remark
1	369.750	V	45.7	-12.2	33.5	46.0	12.5	100.0	90.0	
2	493.000	H	50.6	-9.2	41.4	46.0	4.6	214.0	270.0	
3	493.000	V	44.8	-9.2	35.6	46.0	10.4	213.0	341.0	

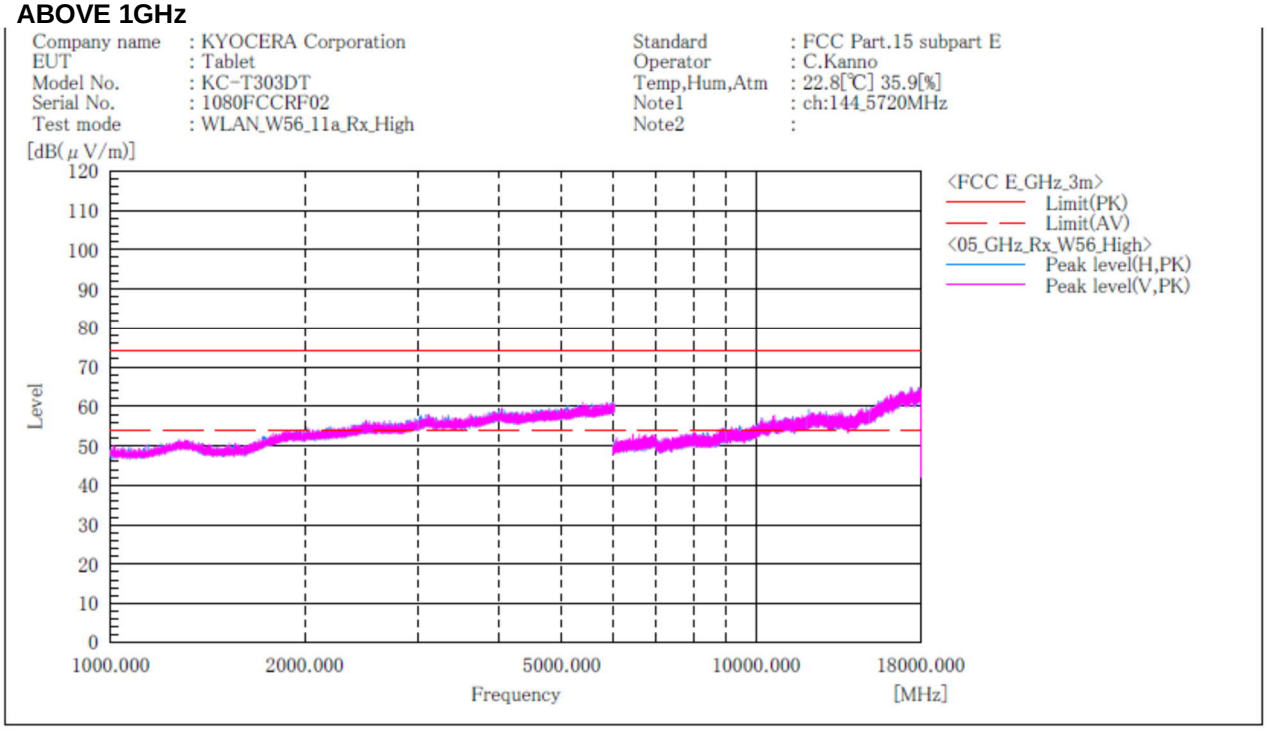
Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]

Japan

W56 / Channel High

ABOVE 1GHz



Final Result

No.	Frequency [MHz]	(P)	c.f [dB(1/m)]	Height [cm]	Angle [°]	Remark

Note:

1. Emission Level (Margin) = Limit - [Reading + Factor (Antenna + Cable – Amp)]
2. No emission were detected in frequency range 18GHz to 40GHz at the 3 meters distance.

Japan

4.5 Frequency Stability

4.5.1 Measurement procedure

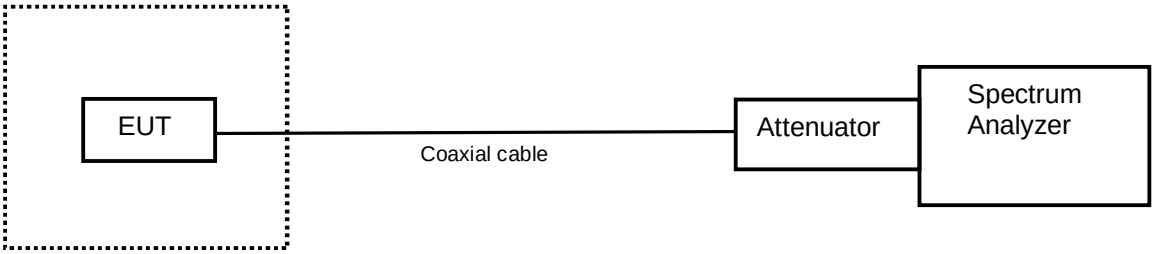
[FCC 15.407(g)]

The EUT was placed of an inside of an constant temperature chamber as the temperature in the chamber was varied between -30˚C and +60˚C. The temperature was incremented by 10˚C intervals and the unit was allowed to stabilize at each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channels center frequency was recorded.

The EUT was set to operate with following conditions.
- 5.2 GHz Band, 5.3 GHz Band, 5.6 GHz Band

The test mode of EUT is as follows.
- Tx mode

- Test configuration



Constant Temperature Chamber

4.5.2 Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified.

Japan

4.5.3 Measurement result

Date : 29-September-2021
Temperature : 20.0 [˚C]
Humidity : 62.3 [%]
Test place : Shielded room No.4
Test engineer : Kazunori Saito

[Channel: 36 (5180 MHz)]

Power Supply [V]	Temperature [ºC]	Measurements Frequency (startup) [Hz]	Frequency Tolerance (startup) [ppm]	Measurements Frequency (2mins) [Hz]	Frequency Tolerance (2mins) [ppm]	Measurements Frequency (5mins) [Hz]	Frequency Tolerance (5mins) [ppm]	Measurements Frequency (10mins) [Hz]	Frequency Tolerance (10mins) [ppm]
3.80	25(Ref.)	5180002302	0.00000000	5179999256	-0.58808179	5180000706	-0.30815816	5180012824	2.03127323
	60	5179981731	-3.97123376	5179962218	-7.73822050	5179980554	-4.19845373	5179980866	-4.13822210
	50	5179962857	-7.61486148	5179965460	-7.11235205	5179965099	-7.18204314	5179986375	-3.07470906
	40	5179987401	-2.87663965	5179993282	-1.74131197	5179978371	-4.61988212	5179992297	-1.93146632
	30	5180005694	0.65482596	5180009424	1.37490286	5179996329	-1.15308829	5179991540	-2.07760525
	20	5180018557	3.13802949	5180008057	1.11100337	5180019524	3.32470895	5180014685	2.39053948
	10	5180021372	3.68146555	5180023855	4.16080896	5180016061	2.65617643	5180017701	2.97277860
	0	5180026113	4.59671610	5180035275	6.36544119	5180045450	8.32972603	5180042356	7.73242900
	-10	5180016923	2.82258562	5180032558	5.84092405	5180038374	6.96370347	5180025995	4.57393619
	-20	5180033853	6.09092393	5180022479	3.89517201	5180019162	3.25482481	5180024316	4.24980506
	-30	5180012653	1.99826166	5179995340	-1.34401485	5179994518	-1.50270203	5179993488	-1.70154365
3.42	25	5180005503	0.61795339	5179992190	-1.95212268	5180019213	3.26467036	5179988920	-2.58339654
4.18	25	5179987407	-2.87548135	5179992629	-1.86737369	5180004953	0.51177583	5180012796	2.02586783

Frequency Tolerance (ppm) = Measurements Frequency (Hz) – Reference Frequency (Hz) / Reference Frequency (Hz) x 1000000

Japan

[Channel: 64 (5320 MHz)]

Power Supply [V]	Temperature [ºC]	Measurements Frequency (startup) [Hz]	Frequency Tolerance (startup) [ppm]	Measurements Frequency (2mins) [Hz]	Frequency Tolerance (2mins) [ppm]	Measurements Frequency (5mins) [Hz]	Frequency Tolerance (5mins) [ppm]	Measurements Frequency (10mins) [Hz]	Frequency Tolerance (10mins) [ppm]
3.80	25(Ref.)	5320002941	0.00000000	5320005064	0.39905993	5319993786	-1.72086371	5319997057	-1.10601443
	60	5319983407	-3.67180248	5319974873	-5.27593693	5319992189	-2.02105151	5319975307	-5.19435803
	50	5319978054	-4.67800493	5319973171	-5.59586157	5319975653	-5.12932047	5319976899	-4.89511008
	40	5319990493	-2.33984833	5319979904	-4.33026076	5319975118	-5.22988433	5319973056	-5.61747810
	30	5319989829	-2.46466029	5319996410	-1.22763090	5319991878	-2.07951013	5320000164	-0.52196813
	20	5320030628	5.20432043	5320020664	3.33138914	5320010774	1.47236761	5320010451	1.41165335
	10	5320019349	3.08420882	5320028720	4.84567401	5320019909	3.18947192	5320021540	3.49605070
	0	5320043254	7.57762739	5320034509	5.93383131	5320034781	5.98495910	5320021652	3.51710332
	-10	5320026934	4.50995991	5320050589	8.95638603	5320020646	3.32800568	5320000034	-0.54646229
	-20	5320016721	2.59022413	5320022650	3.70469720	5320019938	3.19492305	5320021894	3.56259202
	-30	5320016925	2.62856998	5320012198	1.74003663	5320003263	0.06052628	5319997611	-1.00187915
3.42	25	5320014621	2.19548751	5319999698	-0.60952635	5320012608	1.81710426	5319989354	-2.55394596
4.18	25	5319982303	-3.87932116	5320000437	-0.47065218	5320007403	0.83872134	5319997492	-1.02424755

Frequency Tolerance (ppm) = Measurements Frequency (Hz) – Reference Frequency (Hz) / Reference Frequency (Hz) x 1000000

[Channel: 144 (5720 MHz)]

Power Supply [V]	Temperature [ºC]	Measurements Frequency (startup) [Hz]	Frequency Tolerance (startup) [ppm]	Measurements Frequency (2mins) [Hz]	Frequency Tolerance (2mins) [ppm]	Measurements Frequency (5mins) [Hz]	Frequency Tolerance (5mins) [ppm]	Measurements Frequency (10mins) [Hz]	Frequency Tolerance (10mins) [ppm]
3.80	25(Ref.)	5700008790	0.00000000	5700013963	0.90754246	5700000785	-1.40440538	5700011354	0.44982387
	60	5699971479	-6.54577938	5699966990	-7.33332202	5699976608	-5.64595621	5699978377	-5.33560581
	50	5699979629	-5.11595702	5699978736	-5.27262345	5699970477	-6.72156858	5699957847	-8.93735464
	40	5699983909	-4.36508099	5699991049	-3.11245134	5699999441	-1.64011712	5699958322	-8.85402143
	30	5699991267	-3.07420579	5699996126	-2.22175096	5700013892	0.89508634	5700000612	-1.43476761
	20	5700023563	2.59175039	5700025547	2.93982003	5700012523	0.65491127	5700020696	2.08876871
	10	5700024165	2.69736426	5700011539	0.48227996	5700020048	1.97508467	5700036078	4.78736104
	0	5700043945	6.16753435	5700026839	3.16648635	5700027108	3.21367925	5700039628	5.41016710
	-10	5700034589	4.52613337	5700038984	5.29718481	5700036244	4.81648380	5700024061	2.67911868
	-20	5700013732	0.86701621	5700032149	4.09806386	5700035121	4.61946656	5700021513	2.23210182
	-30	5700010836	0.35894681	5700009795	0.17631552	5700005901	-0.50684132	5699999368	-1.65303096
3.42	25	5700000584	-1.43959059	5700008698	-0.01614033	5700001743	-1.23631388	5700001670	-1.24912088
4.18	25	5700011585	0.49035012	5700006206	-0.45333263	5699987214	-3.78525732	5700005500	-0.57719209

Frequency Tolerance (ppm) = Measurements Frequency (Hz) – Reference Frequency (Hz) / Reference Frequency (Hz) x 1000000

Japan

4.6 AC Power Line Conducted Emissions

4.6.1 Measurement procedure

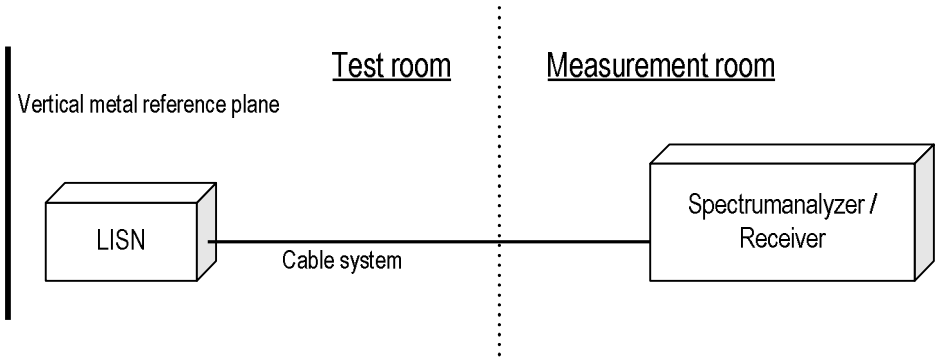
[FCC 15.207]

Test was applied by following conditions.

Test method	:	ANSI C63.10
Frequency range	:	0.15 MHz to 30 MHz
Test place	:	3m Semi-anechoic chamber
EUT was placed on	:	FRP table / (W) 1.5 × (D) 1.0 × (H) 0.8 m
Vertical Metal Reference Plane	:	(W) 2.0 × (H) 2.0 m, 0.4 m away from EUT
Test receiver setting		
- Detector	:	Quasi-peak, Average
- Bandwidth	:	9 kHz

EUT and peripherals are connected to 50Ω/50μH Line Impedance Stabilization Network (LISN) which are connected to reference ground plane, and are placed 80cm away from EUT. Excess of AC power cable is bundled in center.
LISN for peripheral is terminated in 50Ω.
EUT operating mode is selected to emit the maximum noise. Overall frequency range is investigated with spectrum analyzer using peak detector. Maximum emission configuration is determined by manipulating the EUT, peripherals, interconnecting cables. Then, emission measurements are performed with test receiver in above setting to each current-carrying conductor of the mains port. Sufficient time for EUT, peripherals and test equipment is provided in order for them to warm up to their normal operating condition. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits.

- Test configuration



4.6.2 Calculation method

Emission level = Reading + (LISN. factor + Cable system loss)
Margin = Limit – Emission level

Japan

4.6.3 Limit

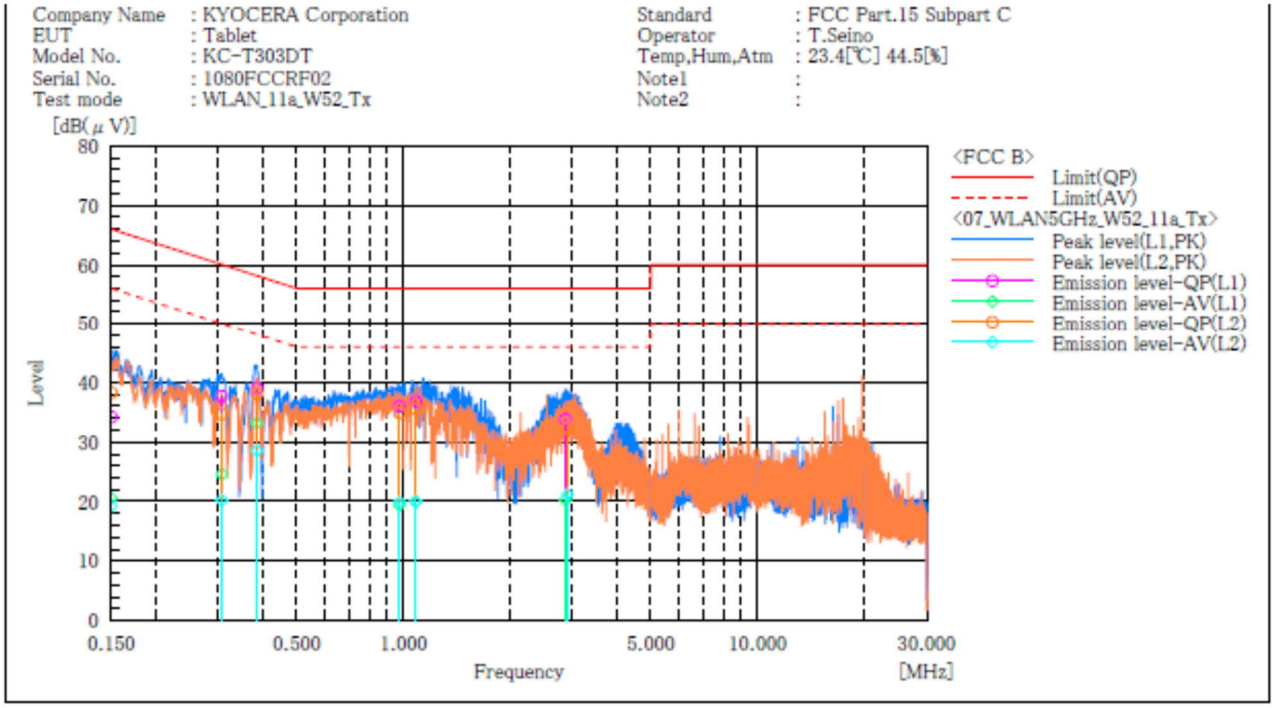
Frequency [MHz]	Limit	
	QP [dBuV]	AV [dBuV]
0.15-0.5	66-56*	56-46*
0.5-5	56	46
5-30	60	50

*: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Japan

4.6.4 Test data

Date : 9-November-2021
Temperature : 23.4 [˚C]
Humidity : 44.5 [%] Test engineer :
Test place : 3m Semi-anechoic chamber Tadahiro Seino



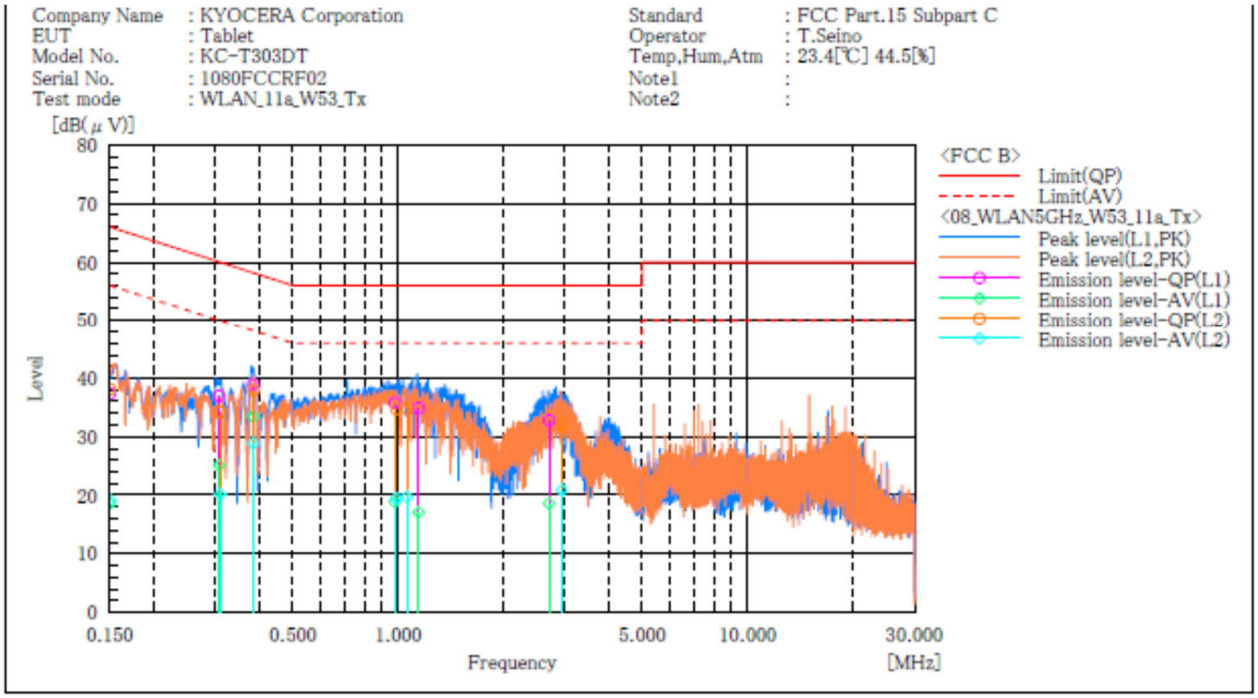
Final Result

— L1 Phase —

No.	Frequency [MHz]	Reading QP [dBμV]	Reading CAV [dBμV]	c.f [dB]	Result QP [dBμV]	Result CAV [dBμV]	Limit QP [dBμV]	Limit AV [dBμV]	Margin QP [dB]	Margin CAV [dB]
1	0.150	23.6	10.0	10.6	34.2	20.6	66.0	56.0	31.8	35.4
2	0.308	27.3	14.2	10.4	37.7	24.6	60.0	50.0	22.3	25.4
3	0.386	28.6	22.8	10.4	39.0	33.2	58.1	48.1	19.1	14.9
4	0.974	25.6	9.0	10.4	36.0	19.4	56.0	46.0	20.0	26.6
5	1.085	26.4	9.6	10.4	36.8	20.0	56.0	46.0	19.2	26.0
6	2.869	23.3	9.8	10.5	33.8	20.3	56.0	46.0	22.2	25.7

— L2 Phase —

No.	Frequency [MHz]	Reading QP [dBμV]	Reading CAV [dBμV]	c.f [dB]	Result QP [dBμV]	Result CAV [dBμV]	Limit QP [dBμV]	Limit AV [dBμV]	Margin QP [dB]	Margin CAV [dB]
1	0.150	27.7	8.7	10.6	38.3	19.3	66.0	56.0	27.7	36.7
2	0.308	24.3	9.8	10.4	34.7	20.2	60.0	50.0	25.3	29.8
3	0.386	27.7	18.2	10.4	38.1	28.6	58.1	48.1	20.0	19.5
4	0.975	24.4	9.4	10.5	34.9	19.9	56.0	46.0	21.1	26.1
5	1.083	25.1	9.5	10.5	35.6	20.0	56.0	46.0	20.4	26.0
6	2.909	21.8	10.6	10.6	32.4	21.2	56.0	46.0	23.6	24.8



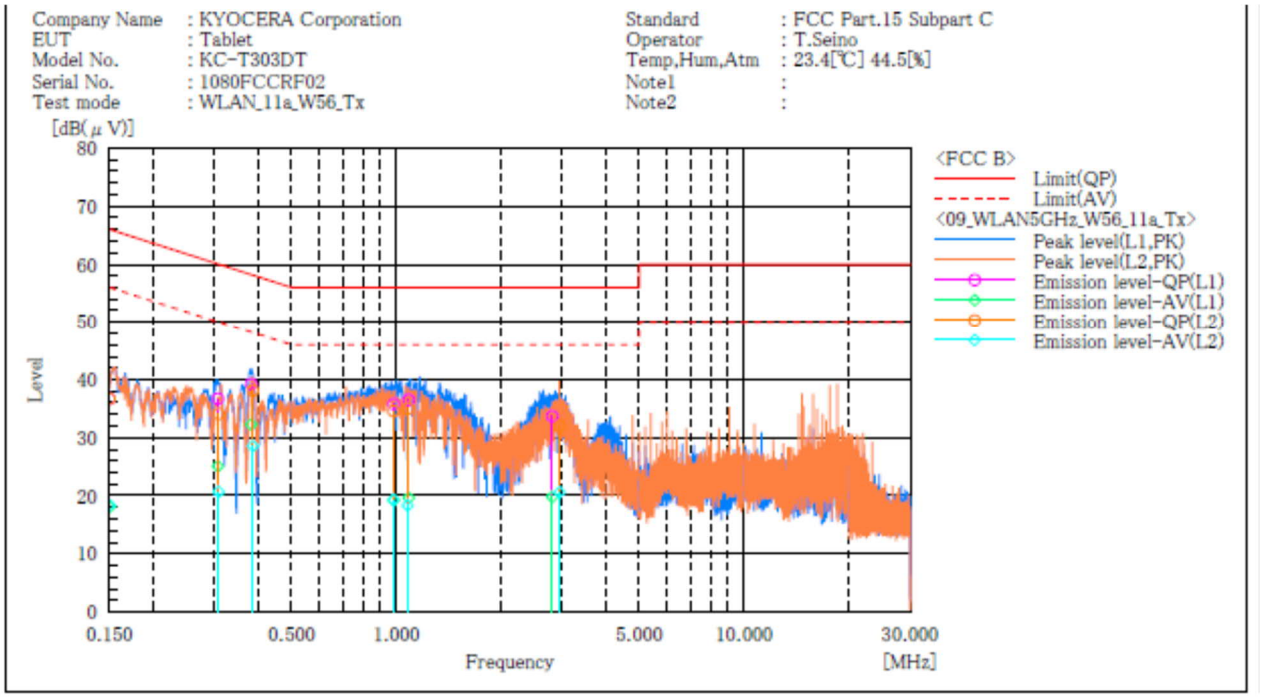
Final Result

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	26.8	8.0	10.6	37.4	18.6	66.0	56.0	28.6	37.4
2	0.308	26.6	14.7	10.4	37.0	25.1	60.0	50.0	23.0	24.9
3	0.385	28.5	23.0	10.4	38.9	33.4	58.2	48.2	19.3	14.8
4	0.980	25.4	8.5	10.4	35.8	18.9	56.0	46.0	20.2	27.1
5	1.146	24.5	6.7	10.4	34.9	17.1	56.0	46.0	21.1	28.9
6	2.707	22.3	8.1	10.5	32.8	18.6	56.0	46.0	23.2	27.4

--- L2 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	27.5	8.6	10.6	38.1	19.2	66.0	56.0	27.9	36.8
2	0.310	23.8	9.7	10.4	34.2	20.1	60.0	50.0	25.8	29.9
3	0.386	27.5	18.5	10.4	37.9	28.9	58.1	48.1	20.2	19.2
4	0.988	24.2	9.0	10.5	34.7	19.5	56.0	46.0	21.3	26.5
5	1.061	24.3	9.2	10.5	34.8	19.7	56.0	46.0	21.2	26.3
6	2.940	21.6	10.3	10.6	32.2	20.9	56.0	46.0	23.8	25.1



Final Result

--- L1 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	26.1	7.5	10.6	36.7	18.1	66.0	56.0	29.3	37.9
2	0.307	26.3	14.7	10.4	36.7	25.1	60.1	50.1	23.4	25.0
3	0.383	28.8	21.9	10.4	39.2	32.3	58.2	48.2	19.0	15.9
4	0.983	25.4	8.8	10.4	35.8	19.2	56.0	46.0	20.2	26.8
5	1.087	26.1	9.2	10.4	36.5	19.6	56.0	46.0	19.5	26.4
6	2.808	23.2	9.3	10.5	33.7	19.8	56.0	46.0	22.3	26.2

--- L2 Phase ---

No.	Frequency [MHz]	Reading QP [dB(μV)]	Reading CAV [dB(μV)]	c.f [dB]	Result QP [dB(μV)]	Result CAV [dB(μV)]	Limit QP [dB(μV)]	Limit AV [dB(μV)]	Margin QP [dB]	Margin CAV [dB]
1	0.150	26.1	7.8	10.6	36.7	18.4	66.0	56.0	29.3	37.6
2	0.309	23.7	10.3	10.4	34.1	20.7	60.0	50.0	25.9	29.3
3	0.387	27.7	18.2	10.4	38.1	28.6	58.1	48.1	20.0	19.5
4	0.981	24.1	8.8	10.5	34.6	19.3	56.0	46.0	21.4	26.7
5	1.079	24.5	7.8	10.5	35.0	18.3	56.0	46.0	21.0	27.7
6	2.948	21.4	10.0	10.6	32.0	20.6	56.0	46.0	24.0	25.4

Japan

4.7 Duty Cycle

4.7.1 Measurement procedure

[KDB 789033 D02, Section B, Zero-Span Spectrum Analyzer Method]

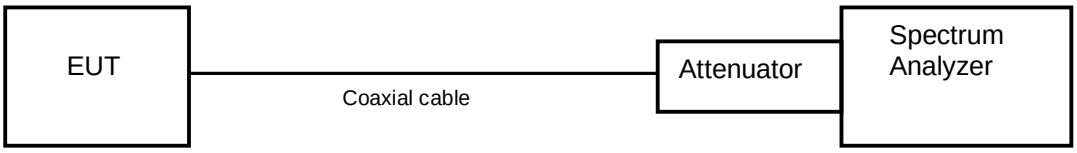
The duty cycle is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate center frequency.

The spectrum analyzer is set to;
- RBW=8 MHz, VBW=8 MHz, Span=0 Hz, Sweep=Auto, Detector=Peak, Trace mode=Single

The EUT was set to operate with following conditions.
- 5.2 GHz Band, 5.3 GHz Band, 5.6 GHz Band

The test mode of EUT is as follows.
- Tx mode

- Test configuration



4.7.2 Limit

None

4.7.3 Measurement result

Date	:	27-September-2021		
Temperature	:	18.1 [˚C]		
Humidity	:	62.8 [%]	Test engineer	:
Test place	:	Shielded room No.4		Kazunori Saito

Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11a	36	5180	1.392	1.436	0.969	718.4	0.135	0.270
	40	5200						
	48	5240						
	52	5260	1.390	1.436	0.968	719.4	0.141	0.283
	56	5280						
	64	5320						
	100	5500	1.392	1.436	0.969	718.4	0.135	0.270
	116	5580						
	140	5700						
	144	5720						

Note: X = On time / (On + Off time)

Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11n (20MHz)	36	5180	1.286	1.332	0.965	777.6	0.153	0.305
	40	5200						
	48	5240						
	52	5260	1.288	1.332	0.967	776.4	0.146	0.292
	56	5280						
	64	5320						
	100	5500	1.288	1.334	0.966	776.4	0.152	0.305
	116	5580						
	140	5700						
	144	5720						

Note: X = On time / (On + Off time)

Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11n (40MHz)	38	5190	0.636	0.680	0.935	1572.3	0.291	0.581
	46	5230						
	54	5270	0.636	0.680	0.935	1572.3	0.291	0.581
	62	5310						
	102	5510	0.635	0.681	0.932	1574.8	0.304	0.607
	110	5550						
	134	5670						
	142	5710						

Note: X = On time / (On + Off time)

Mode	Channel	Frequency (MHz)	Duty Cycle				DCF (dB) 10log(1/x)	DCF (dB) 20log(1/x)
			On Time(ms)	On+Off Time(ms)	X	1/T		
802.11ac (80MHz)	42	5210	0.323	0.368	0.878	3097.9	0.567	1.134
	58	5290	0.324	0.368	0.879	3086.4	0.558	1.115
	106	5530	0.323	0.367	0.879	3095.0	0.558	1.116
	122	5610	0.324	0.369	0.880	3084.5	0.556	1.112
	138	5690	0.323	0.368	0.878	3095.0	0.564	1.128

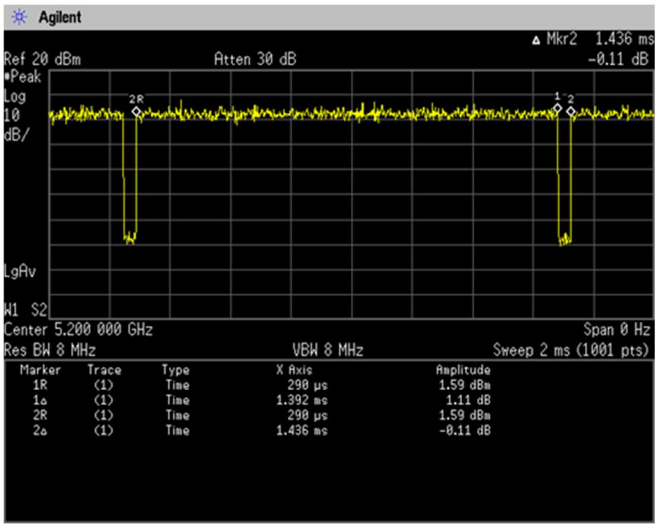
Note: X = On time / (On + Off time)

Japan

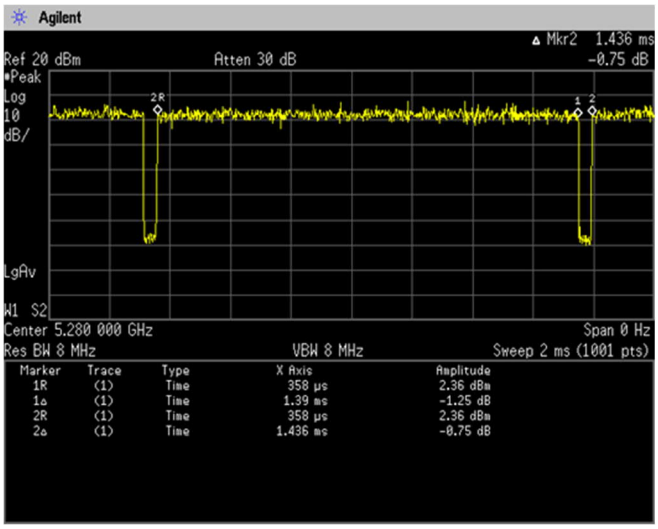
4.7.4 Trace data

[IEEE802.11a]

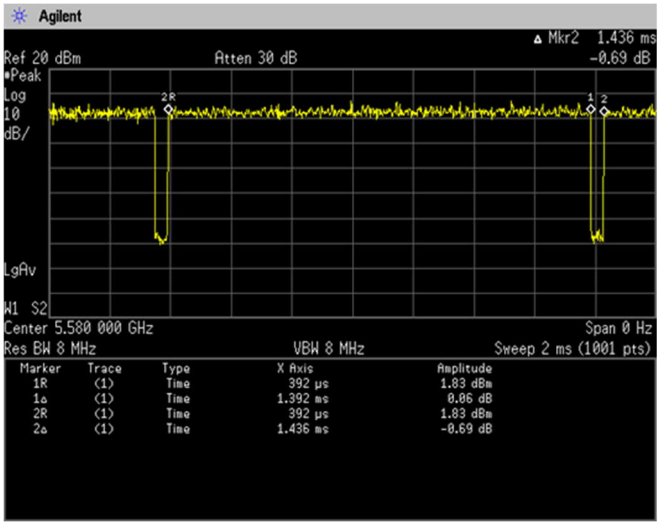
Channel: 40



Channel: 56

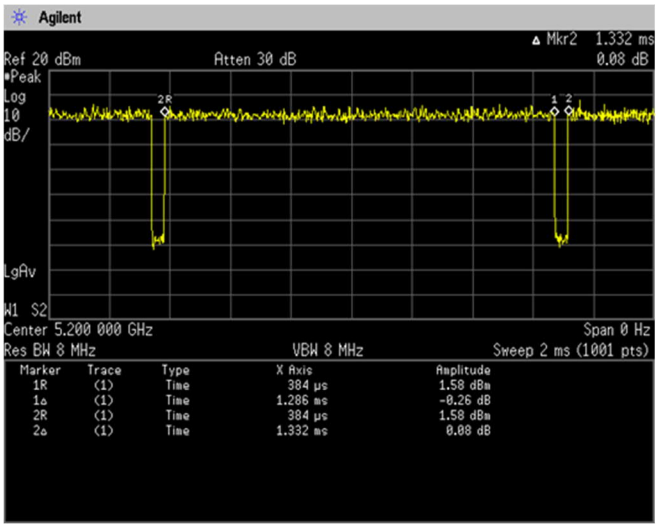


Channel: 116

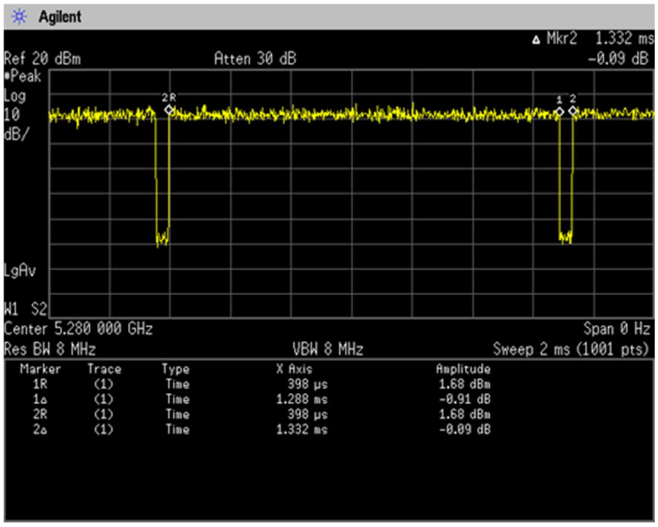


[IEEE802.11n (HT20)]

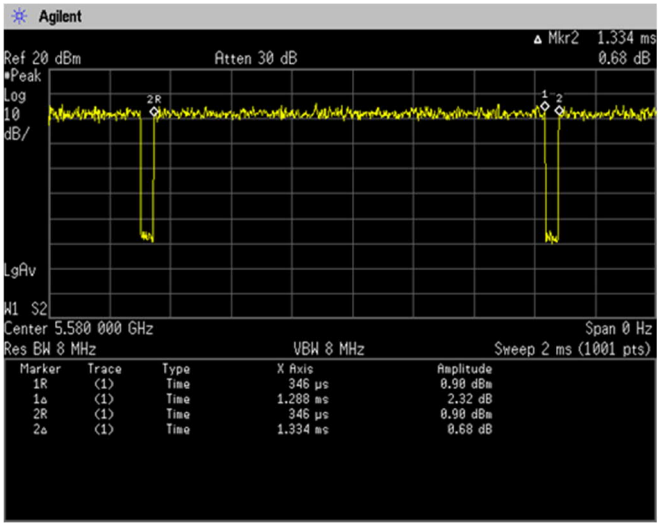
Channel: 40



Channel: 56



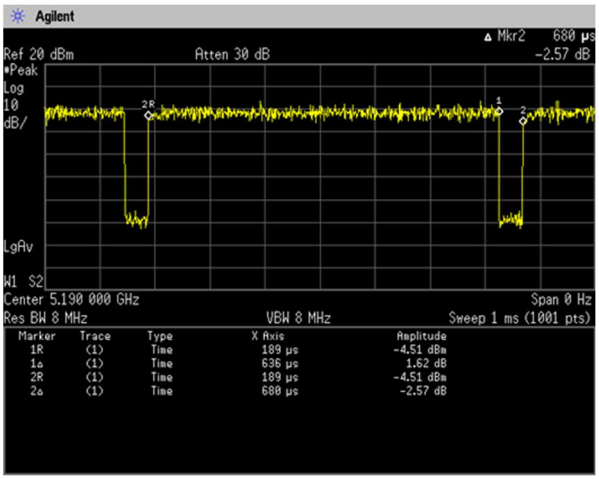
Channel: 116



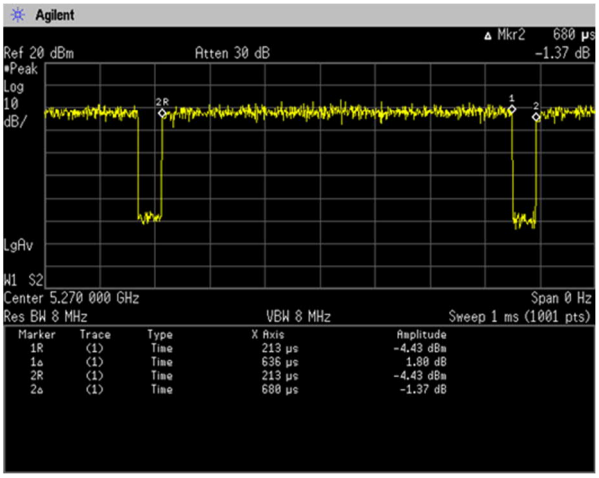
Japan

[IEEE802.11n (HT40)]

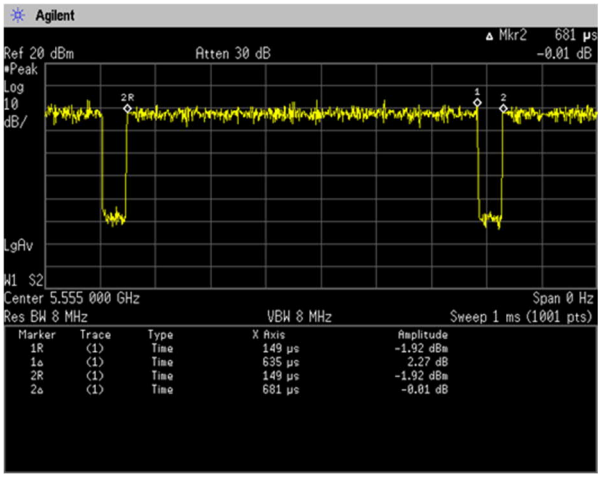
Channel: 38



Channel: 54



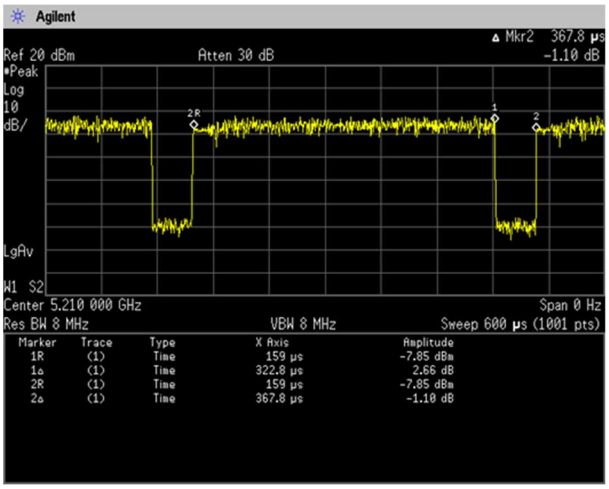
Channel: 110



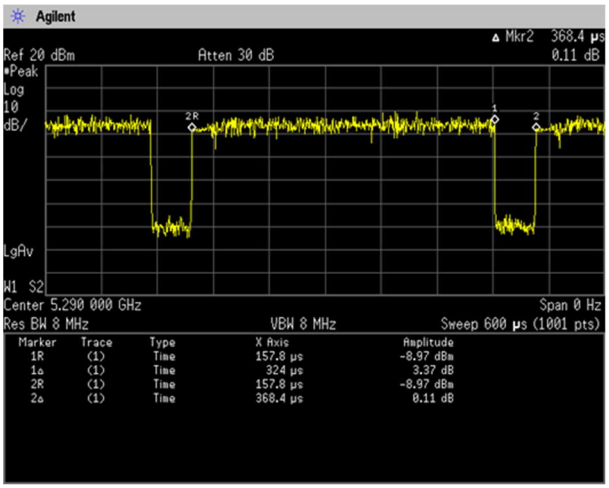
Japan

[IEEE802.11ac (HT80)]

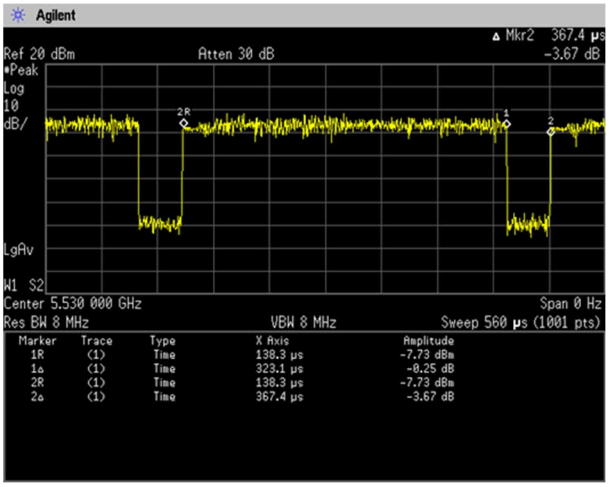
Channel: 42



Channel: 58

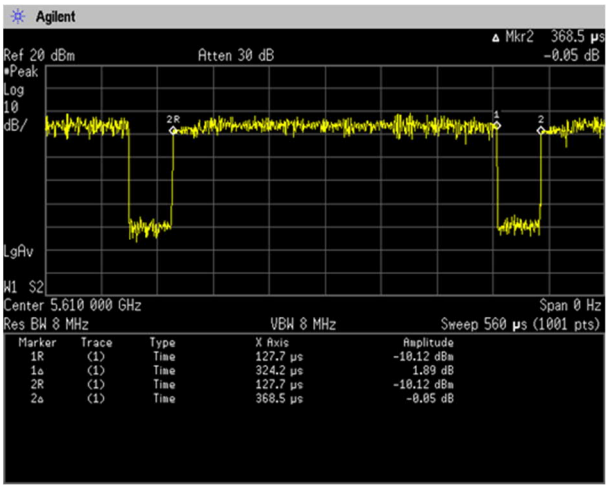


Channel: 106

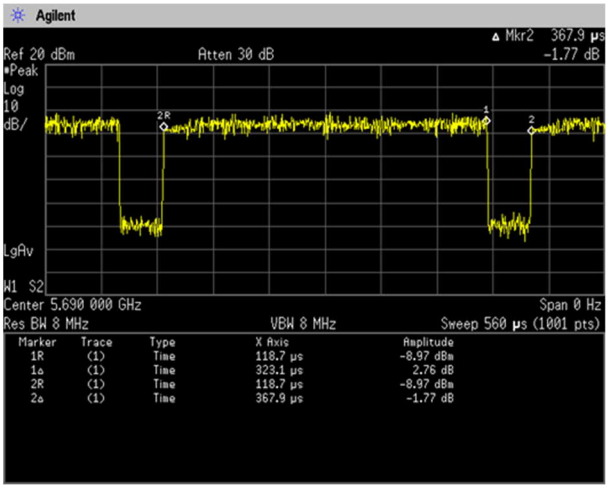


Japan

Channel: 122



Channel: 138



Japan

5 Antenna requirement

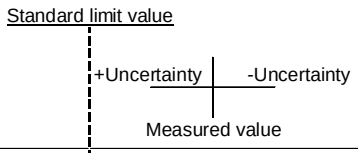
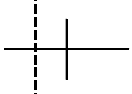
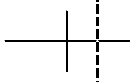
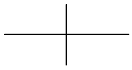
According to FCC section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.
The antenna is a special antenna mounted inside of the EUT. Therefore, the EUT complies with the antenna requirement of FCC section 15.203.

Japan

6 Measurement uncertainty

Expanded uncertainties stated are calculated with a coverage Factor k=2.
Please note that these results are not taken into account when measurement uncertainty considerations contained in ETSI TR 100 028 Parts 1 and 2 determining compliance or non-compliance with test result.

Test item	Measurement uncertainty
Conducted emission, AMN (9 kHz – 150 kHz)	±3.7 dB
Conducted emission, AMN (150 kHz – 30 MHz)	±3.3 dB
Radiated emission (9kHz – 30 MHz)	±3.2 dB
Radiated emission (30 MHz – 1000 MHz)	±5.3 dB
Radiated emission (1 GHz – 6 GHz)	±4.8 dB
Radiated emission (6 GHz – 18 GHz)	±4.5 dB
Radiated emission (18 GHz – 40 GHz)	±6.4 dB
Radio Frequency	$\pm 1.4 * 10^{-8}$
RF power, conducted	±0.8 dB
Adjacent channel power	±2.4 dB
Temperature	±0.6 °C
Humidity	±1.2 %
Voltage (DC)	±0.4 %
Voltage (AC, <10kHz)	±0.2 %

Judge	Measured value and standard limit value
PASS	**Case1**  Even if it takes uncertainty into consideration, a standard limit value is fulfilled.
	Case2  Although measured value is in a standard limit value, a limit value won't be fulfilled if uncertainty is taken into consideration.
FAIL	**Case3**  Although measured value exceeds a standard limit value, a limit value will be fulfilled if uncertainty is taken into consideration.
	Case4  Even if it takes uncertainty into consideration, a standard limit value isn't fulfilled.

Japan

7 Laboratory Information

Testing was performed and the report was issued at:

TÜV SÜD Japan Ltd. Yonezawa Testing Center

Address: 5-4149-7 Hachimanpara, Yonezawa-shi, Yamagata, 992-1128 Japan
Phone: +81-238-28-2881

Accreditation and Registration
A2LA
Certificate #3686.03

VLAC
Accreditation No.: VLAC-013

BSMI
Laboratory Code: SL2-IN-E-6018, SL2-A1-E-6018

Innovation, Science and Economic Development Canada
ISED#: 4224A

VCCI Council
Registration number: A-0166

Appendix A. Test Equipment

Antenna port conducted test

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
Spectrum analyzer	Agilent Technologies	E4440A	US44302655	30-Sep-2022	01-Sep-2021
Attenuator	Weinschel	56-10	J4180	31-Jul-2022	20-Jul-2021
Micro wave cable	Junkosha Inc.	MWX221/1m	N/A(S400)	31-Mar-2022	10-Mar-2021
Low temperature and humidity chamber	Espec	PL1KP	14007261	30-Sep-2022	03-Sep-2021

Radiated emission

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI Receiver	ROHDE&SCHWARZ	ESCI	100765	30-Sep-2022	15-Sep-2021
Spectrum analyzer	Agilent Technologies	E4447A	MY46180188	31-Mar-2022	11-Mar-2021
Spectrum analyzer	Agilent Technologies	E4440A	US40420937	31-Dec-2021	11-Dec-2020
Spectrum analyzer	ROHDE&SCHWARZ	FSV40	101731	30-Jun-2022	08-Jun-2021
Preamplifier	SONOMA	310	372170	30-Sep-2022	15-Sep-2021
Loop antenna	ROHDE&SCHWARZ	HFH2-Z2	100515	30-Apr-2022	27-Apr-2021
Attenuator	TOYO Connector	NA-PJ-6	N/A(S507)	28-Feb-2022	03-Feb-2021
Biconical antenna	Schwarzbeck	VHBB9124/BBA9106	1333	31-Dec-2021	15-Dec-2020
Log periodic antenna	Schwarzbeck	VUSLP9111B	346	31-Oct-2022	19-Oct-2021
Attenuator	TOYO Connector	NA-PJ-6/6dB	N/A(S541)	30-Sep-2022	16-Sep-2021
Attenuator	TAMAGAWA.ELEC	CFA-10/3dB	N/A(S503)	31-Jul-2022	20-Jul-2021
Preamplifier	TSJ	MLA-100M18-B02-40	1929118	31-Dec-2021	15-Dec-2020
Attenuator	AEROFLEX	26A-10	081217-08	31-Dec-2021	14-Dec-2020
Double ridged guide antenna	ETS LINDGREN	3117	00224193	31-Mar-2022	30-Mar-2021
Attenuator	HUBER+SUHNER	6803.17.B	N/A(2340)	31-Dec-2021	15-Dec-2020
Double ridged guide antenna	A.H.Systems Inc.	SAS-574	469	31-Aug-2022	02-Aug-2021
Preamplifier	TSJ	MLA-1840-B03-35	1240332	31-Aug-2022	02-Aug-2021
Band rejection filter	Micro-Tronics	BRM50716	006	31-Jul-2022	20-Jul-2021
Microwave cable	HUBER+SUHNER	SUCOFLEX104/9m	MY30037/4	31-Dec-2021	15-Dec-2020
		SUCOFLEX104/1m	my24610/4	31-Dec-2021	15-Dec-2020
		SUCOFLEX104/8m	SN MY30033/4	31-Dec-2021	15-Dec-2020
		SUCOFLEX104/1m	MY32976/4	31-Dec-2021	15-Dec-2020
		SUCOFLEX104/2m	SN MY28404/4	31-Dec-2021	15-Dec-2020
		SUCOFLEX104/7m	41625/6	31-Dec-2021	15-Dec-2020
PC	DELL	DIMENSION E521	75465BX	N/A	N/A
Software	TOYO Corporation	EP5/RE-AJ	0611193/V6.0.140	N/A	N/A
Absorber	RIKEN	PFP30	N/A	N/A	N/A
3m Semi an-echoic Chamber	TOKIN	N/A	N/A(9002-NSA)	31-May-2022	20-May-2021
3m Semi an-echoic Chamber	TOKIN	N/A	N/A(9002-SVSWR)	31-May-2022	20-May-2021

Conducted emission at mains port

Equipment	Company	Model No.	Serial No.	Cal. Due	Cal. Date
EMI Receiver	ROHDE&SCHWARZ	ESCI	100765	30-Sep-2022	15-Sep-2021
Attenuator	HUBER+SUHNER	6810.01.A	N/A (S411)	31-Dec-2021	15-Dec-2020
Line impedance stabilization network	Kyoritsu Electrical Works, Ltd.	TNW-407F2	12-17-110-2	30-Jun-2022	17-Jun-2021
Coaxial cable	FUJIKURA	5D-2W/4m	N/A (S350)	31-Dec-2021	15-Dec-2020
Coaxial cable	FUJIKURA	5D-2W/1m	N/A (S193)	31-Dec-2021	15-Dec-2020
Coaxial cable	HUBER+SUHNER	RG214/U/10m	N/A (S194)	31-Dec-2021	15-Dec-2020
PC	DELL	DIMENSION	75465BX	N/A	N/A
Software	TOYO Corporation	EP5/CE-AJ	0611193/V5.4.11	N/A	N/A

*: The calibrations of the above equipment are traceable to NIST or equivalent standards of the reference organizations.