

Radiated disturbance at (30 ~ 1000) MHz _Measurement data			
Test configuration mode	3	EUT Operation mode	3
Test voltage (V)	120	Test Frequency (Hz)	60
-	-	Ear-Mic	Bujeon

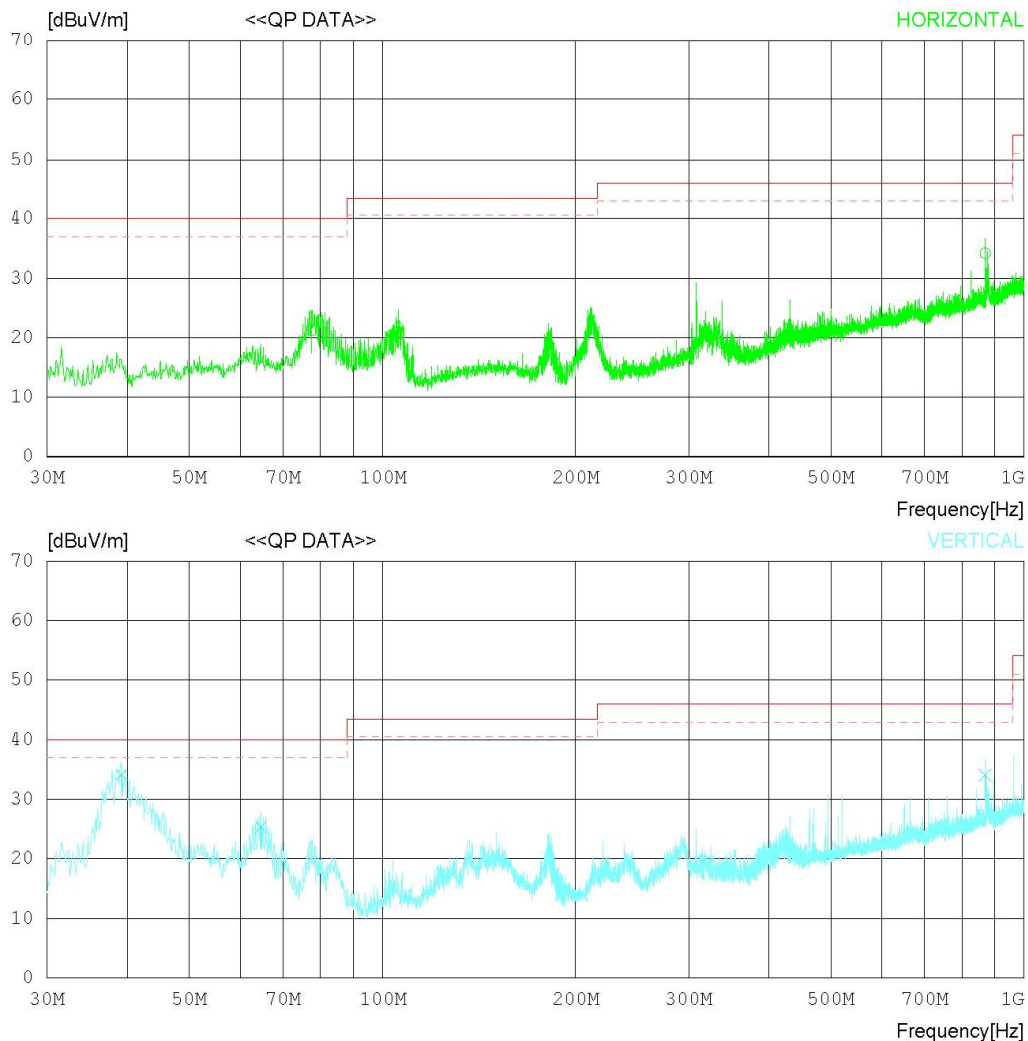
RADIATED EMISSION

Date 2019-12-06

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 °C 40 % R.H.
Test Condition wireless charging

Memo bujeon

LIMIT : FCC Part15 Subpart B Class B (3m)
MARGIN: 3 dB



RADIATED EMISSION

Date 2019-12-06

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 °C 40 % R.H.
Test Condition wireless charging

Memo bujeon

LIMIT : FCC Part15 Subpart.B Class B (3m)
MARGIN: 3 dB

No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	77.530	30.20	15.24	1.45	25.74	21.15	40.00	18.85	271	124
2	105.780	29.90	15.94	1.60	25.70	21.74	43.50	21.76	134	275
3	870.086	27.10	29.20	3.55	25.78	34.07	46.00	11.93	331	260
----- Vertical -----										
4	39.215	41.90	16.80	1.19	25.81	34.08	40.00	5.92	231	120
5	64.604	32.20	17.52	1.32	25.77	25.27	40.00	14.73	114	178
6	869.997	27.00	29.20	3.55	25.78	33.97	46.00	12.03	122	112

Radiated disturbance at (1 ~ 6) GHz _Peak measurement data			
Test configuration mode	3	EUT Operation mode	3
Test voltage (V)	120	Test Frequency (Hz)	60
-	-	Ear-Mic	Bujeon

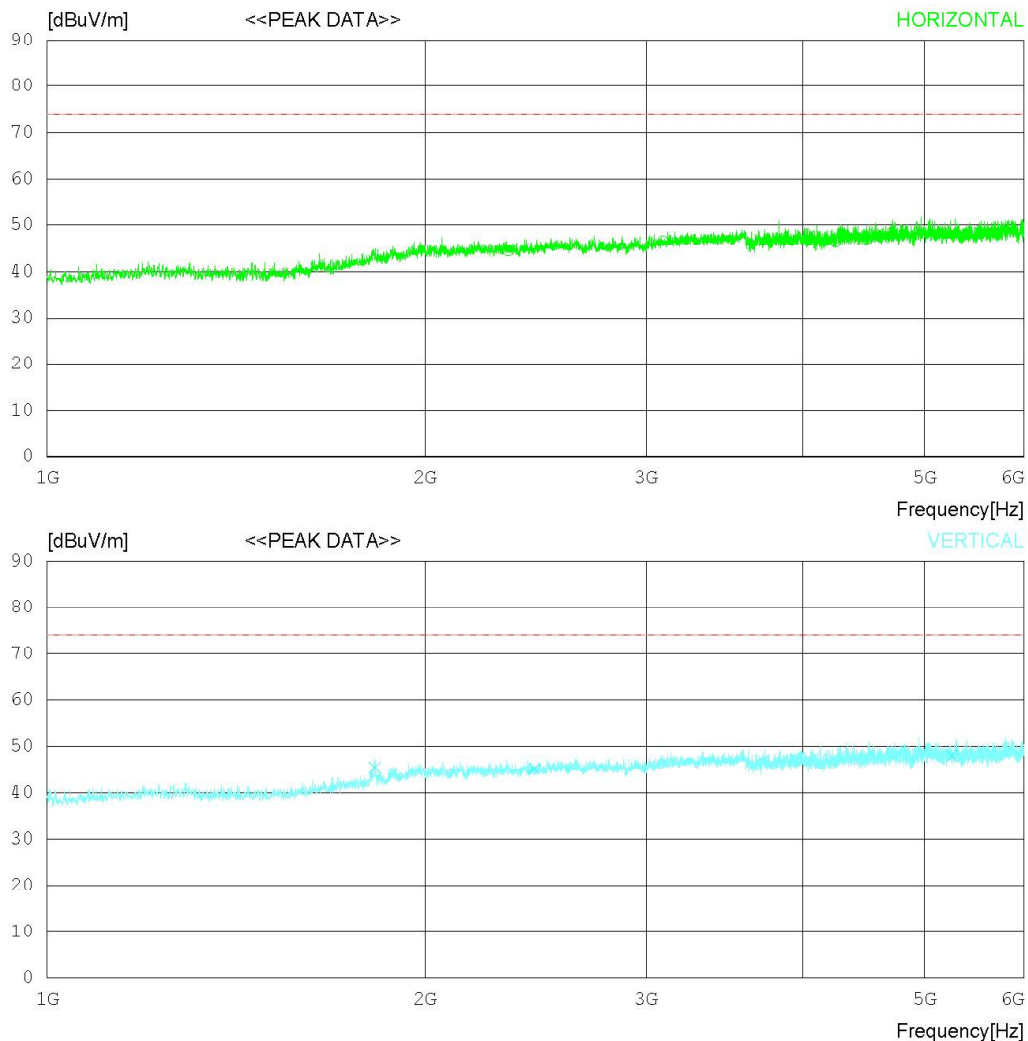
RADIATED EMISSION

Date 2019-12-07

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 40 % R.H.
Test Condition wireless charging

Memo bujeon

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
FCC Part15 Subpart.B Class B (3m) - GHz(Peak)



RADIATED EMISSION

Date 2019-12-07

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 °C 40 % R.H.
Test Condition wireless charging

Memo buejon

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

No.	FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	2328.750	40.70	31.66	6.57	34.53	44.40	74.0	29.6	125	13
2	3093.125	40.90	32.87	7.61	34.80	46.58	74.0	27.42	124	313
3	4243.750	37.20	33.48	9.42	33.86	46.24	74.0	27.76	241	358
----- Vertical -----										
4	1823.750	43.80	30.50	5.69	34.59	45.40	74.0	28.6	243	0
5	2443.750	41.00	32.06	6.69	34.60	45.15	74.0	28.85	137	123
6	5258.750	37.90	34.32	10.72	34.90	48.04	74.0	25.96	148	149

Radiated disturbance at (1 ~ 6) GHz _Average measurement data			
Test configuration mode	3	EUT Operation mode	3
Test voltage (V)	120	Test Frequency (Hz)	60
-	-	Ear-Mic	Bujeon

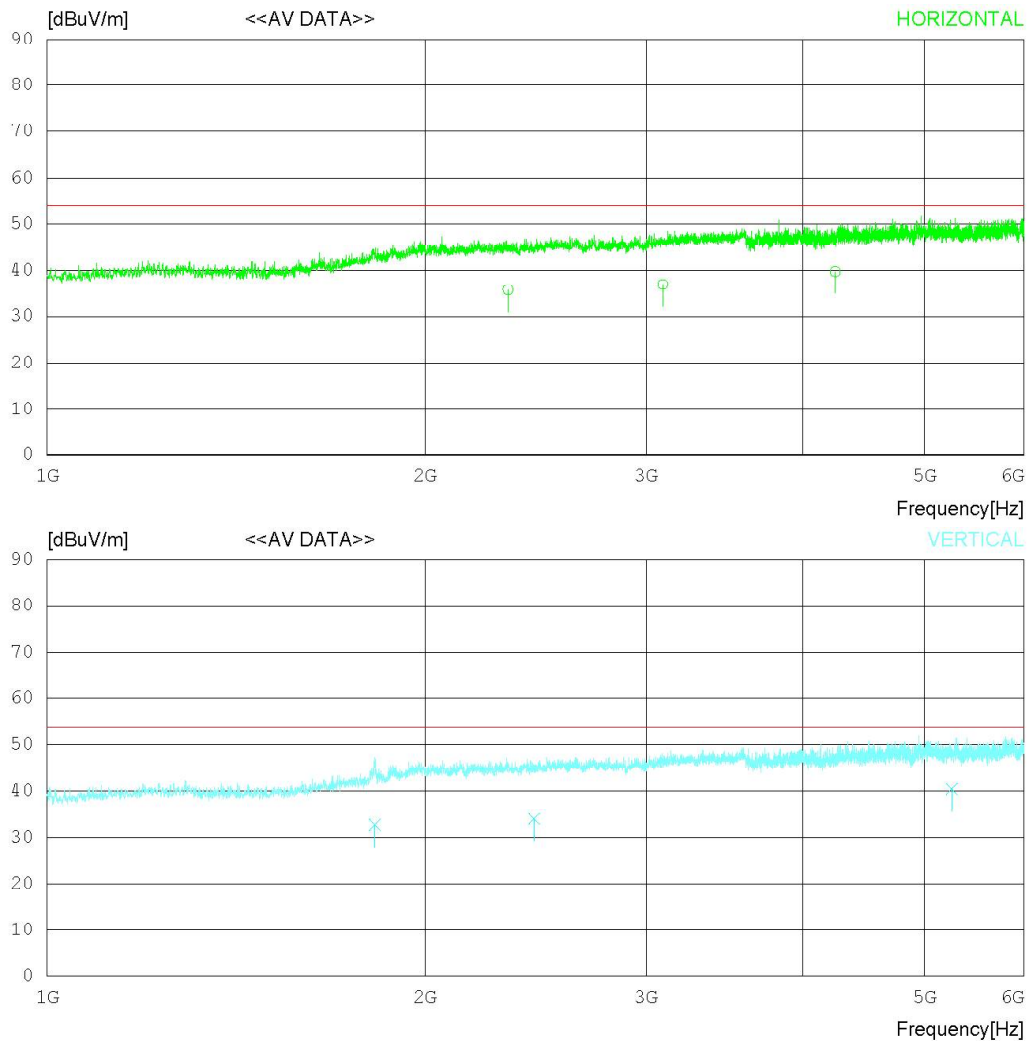
RADIATED EMISSION

Date 2019-12-07

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 40 % R.H.
Test Condition wireless charging

Memo bujeon

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)
FCC Part15 Subpart.B Class B (3m) - GHz(Average)



RADIATED EMISSION

Date 2019-12-07

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23°C 40 % R.H.
Test Condition wireless charging

Memo buejon

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)
FCC Part15 Subpart.B Class B (3m) - GHz(Average)

No.	FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	2328.420	32.01	31.66	6.57	34.53	35.71	54.00	18.29	120	137
2	3093.122	31.22	32.87	7.61	34.80	36.90	54.00	17.10	273	237
3	4243.756	30.67	33.48	9.42	33.86	39.71	54.00	14.29	123	311
----- Vertical -----										
4	1823.744	31.20	30.49	5.69	34.59	32.79	54.00	21.21	134	120
5	2443.142	29.90	32.06	6.69	34.60	34.05	54.00	19.95	224	223
6	5258.356	30.22	34.32	10.72	34.90	40.36	54.00	13.64	120	157

Radiated disturbance at (6 ~ 18) GHz _Peak measurement data			
Test configuration mode	3	EUT Operation mode	3
Test voltage (V)	120	Test Frequency (Hz)	60
-	-	Ear-Mic	Bujeon

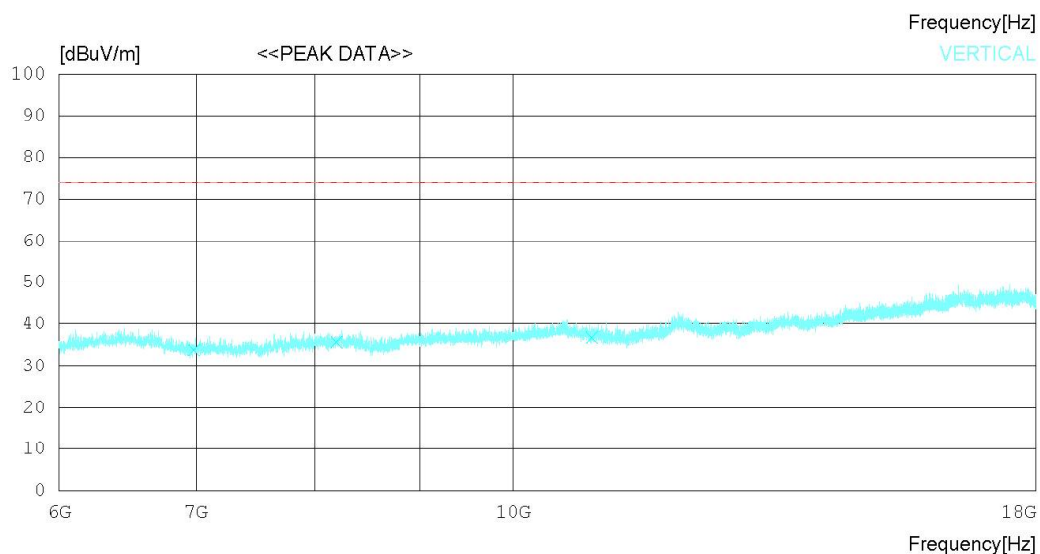
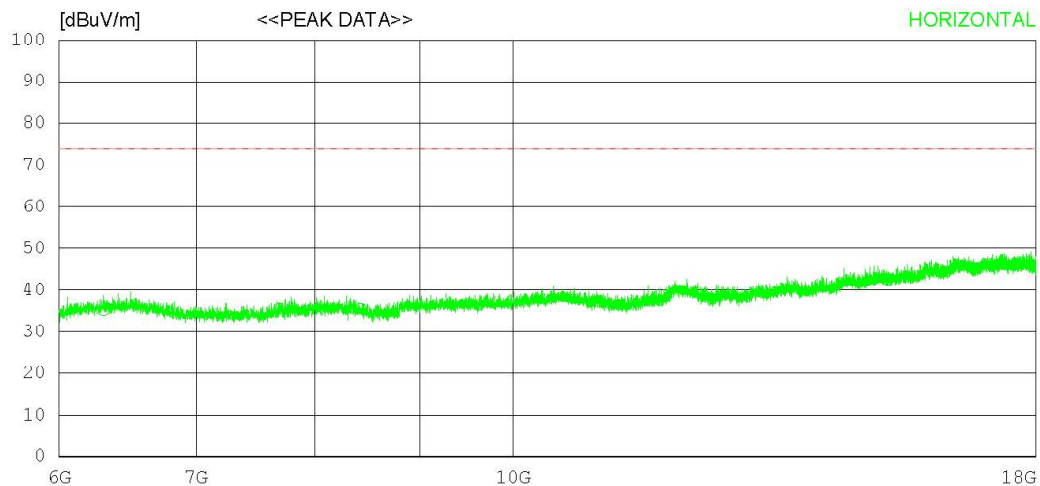
RADIATED EMISSION

Date 2019-12-08

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 21 'C 44 % R.H.
Test Condition wireless

Memo bujeon

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
FCC Part15 Subpart.B Class B (3m) - GHz(Peak)



RADIATED EMISSION

Date 2019-12-08

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 21 °C 44 % R.H.
Test Condition wireless

Memo bujeon

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

No.	FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	6308.250	31.30	31.64	10.99	38.79	35.14	74.0	38.86	126	0
2	7682.250	30.20	31.35	12.25	38.17	35.63	74.0	38.37	112	0
3	8424.750	28.70	31.64	12.95	37.64	35.65	74.0	38.35	132	0
----- Vertical -----										
4	6982.500	29.40	31.45	11.72	38.69	33.88	74.0	40.12	201	212
5	8196.750	29.30	31.46	12.72	37.77	35.71	74.0	38.29	243	0
6	10926.000	27.60	32.42	14.83	38.10	36.75	74.0	37.25	177	267

Radiated disturbance at (6 ~ 18) GHz _Average measurement data			
Test configuration mode	3	EUT Operation mode	3
Test voltage (V)	120	Test Frequency (Hz)	60
-	-	Ear-Mic	Bujeon

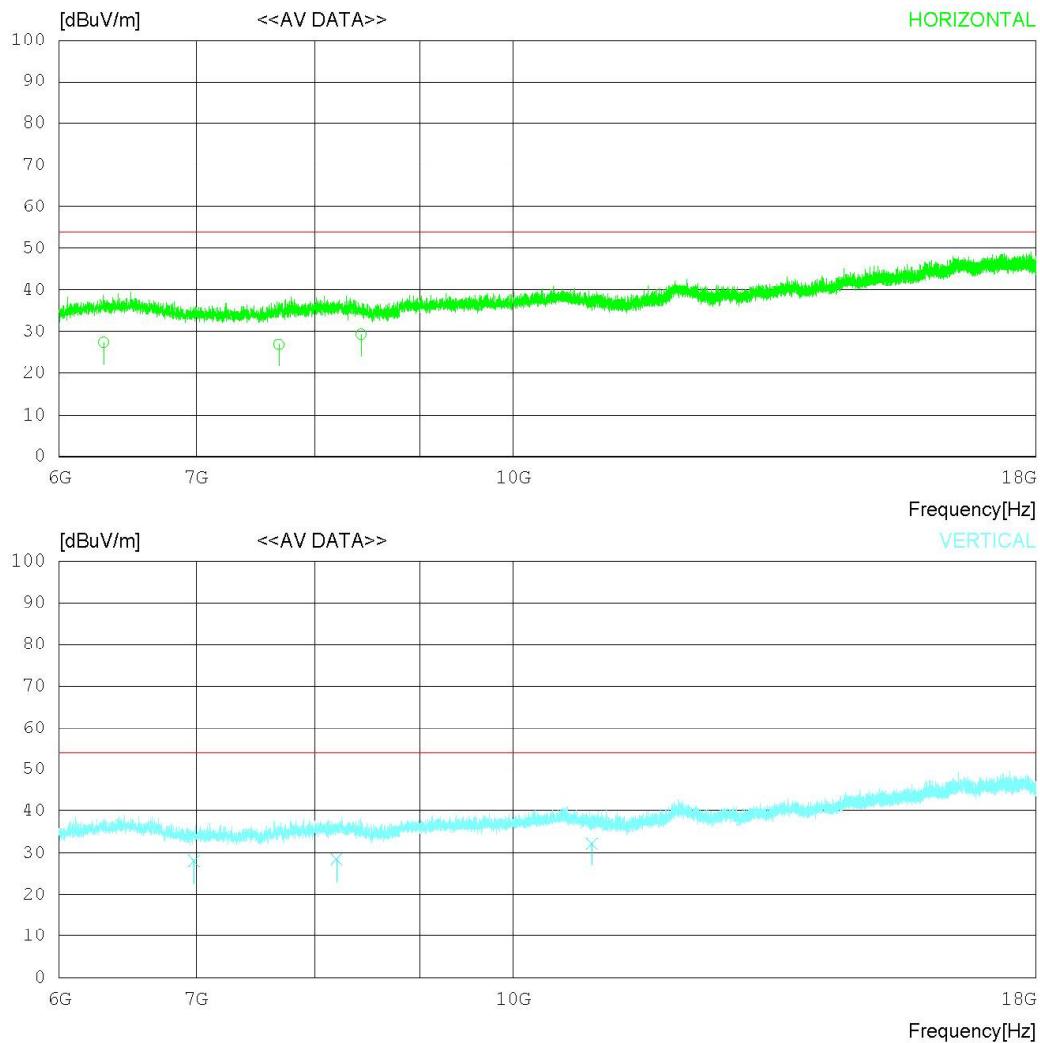
RADIATED EMISSION

Date 2019-12-08

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 21 'C 44 % R.H.
Test Condition wireless

Memo bujeon

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)
FCC Part15 Subpart.B Class B (3m) - GHz(Average)



RADIATED EMISSION

Date 2019-12-08

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 21 °C 44 % R.H.
Test Condition wireless

Memo bujeon

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)
FCC Part15 Subpart.B Class B (3m) - GHz(Average)

No.	FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	CAV [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	6308.172	23.60	31.64	10.99	38.79	27.44	54.00	26.56	127	120
2	7682.211	21.50	31.35	12.25	38.17	26.93	54.00	27.07	230	273
3	8424.712	22.40	31.64	12.95	37.64	29.35	54.00	24.65	133	134
----- Vertical -----										
4	6982.512	23.60	31.45	11.72	38.69	28.08	54.00	25.92	120	78
5	8196.112	22.10	31.46	12.72	37.77	28.51	54.00	25.49	227	112
6	10926.070	23.20	32.42	14.83	38.10	32.35	54.00	21.65	238	134

Radiated disturbance at (18 ~ 40) GHz _Peak measurement data			
Test configuration mode	3	EUT Operation mode	3
Test voltage (V)	120	Test Frequency (Hz)	60
-	-	Ear-Mic	Bujeon

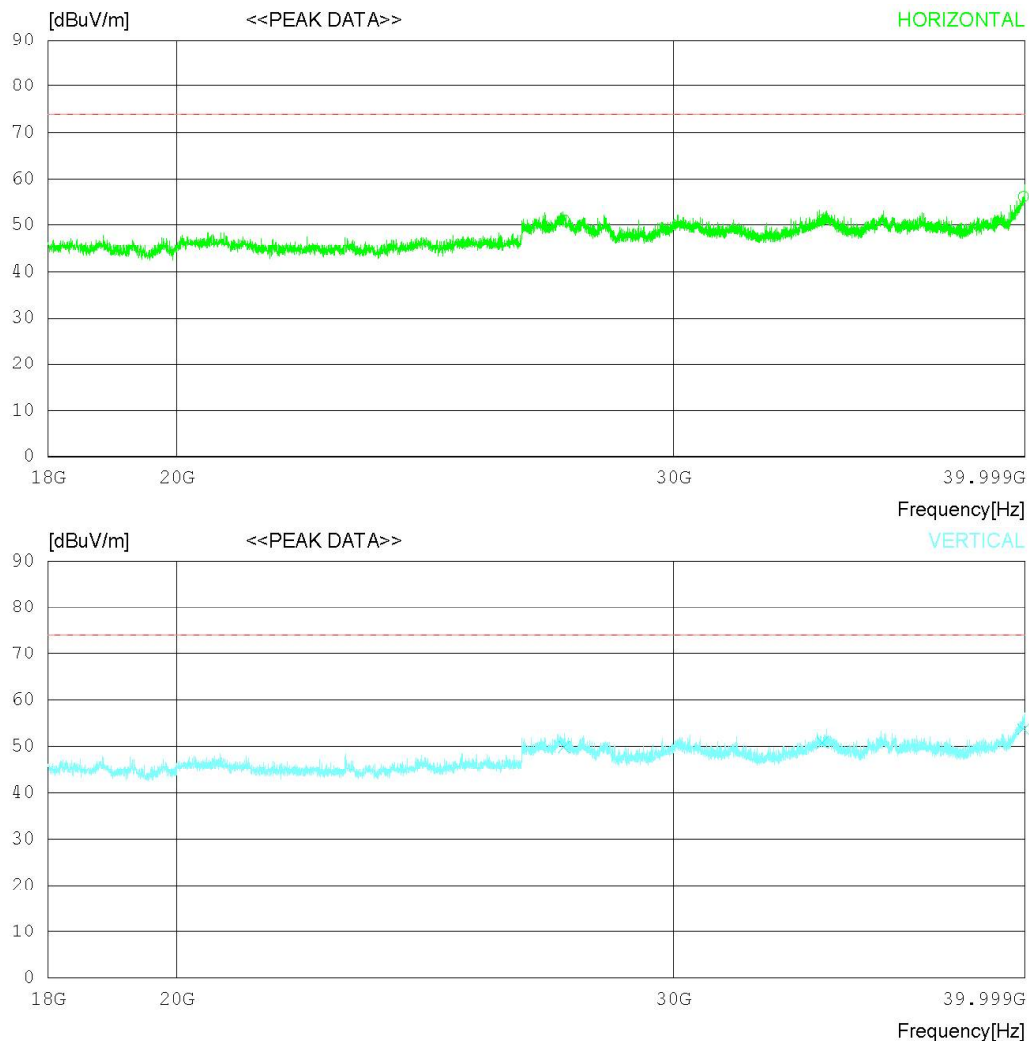
RADIATED EMISSION

Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 47 % R.H.
Test Condition wireless

Memo bujeon

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
FCC Part15 Subpart.B Class B (3m) - GHz(Peak)



RADIATED EMISSION

Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 °C 47 % R.H.
Test Condition wireless

Memo bujeon

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Peak)
FCC Part15 Subpart.B Class B (3m) - GHz(Peak)

No.	FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	PEAK [dBuV]	FACTOR [dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	27443.500	36.60	38.83	21.10	45.45	51.08	74.0	22.92	243	290
2	33900.500	32.40	41.39	24.09	46.76	51.12	74.0	22.88	247	339
3	39945.000	35.80	43.37	23.97	46.91	56.23	74.0	17.77	223	358
----- Vertical -----										
4	27443.500	35.40	38.83	21.10	45.45	49.88	74.0	24.12	243	308
5	33900.500	32.10	41.39	24.09	46.76	50.82	74.0	23.18	347	0
6	39945.000	33.30	43.37	23.97	46.91	53.73	74.0	20.27	273	0

Radiated disturbance at (18 ~ 40) GHz _Average measurement data			
Test configuration mode	3	EUT Operation mode	3
Test voltage (V)	120	Test Frequency (Hz)	60
-	-	Ear-Mic	Bujeon

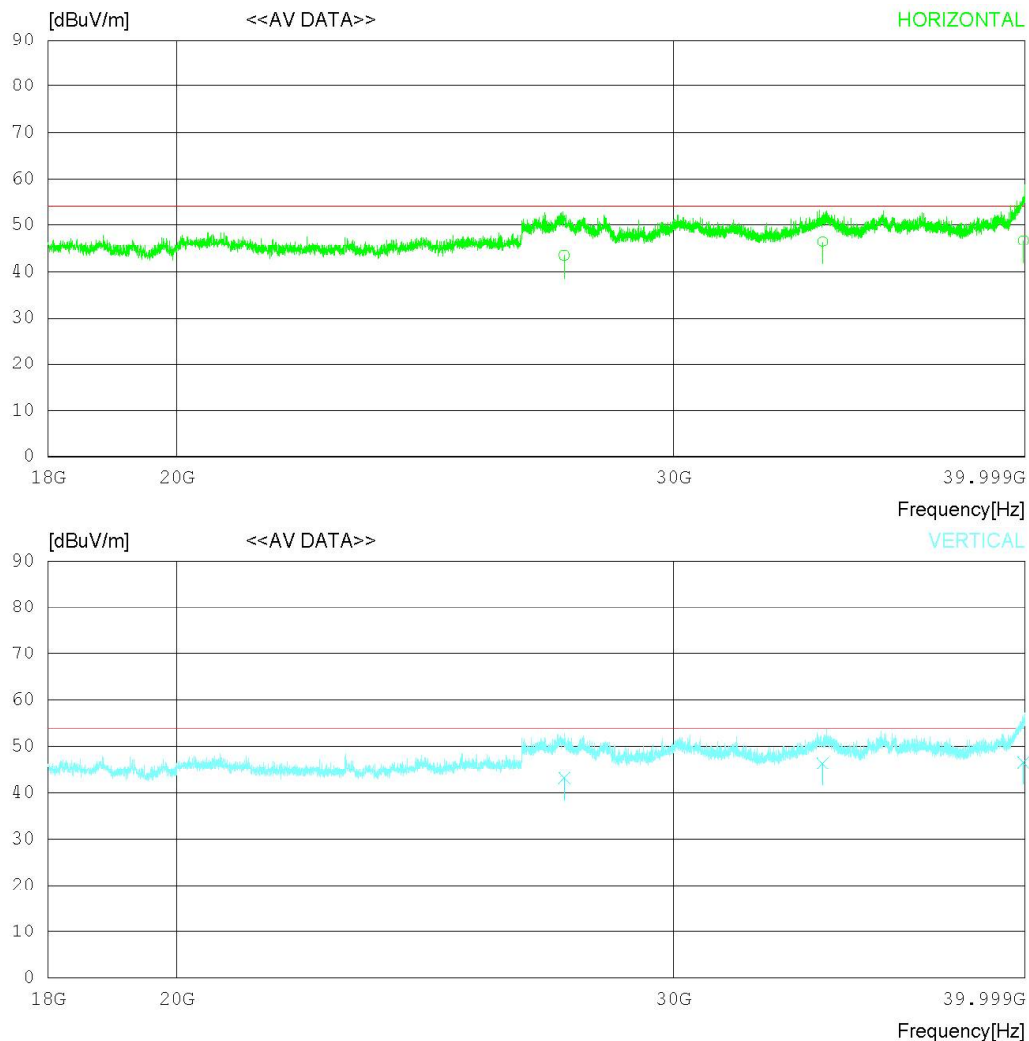
RADIATED EMISSION

Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 47 % R.H.
Test Condition wireless

Memo bujeon

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)
FCC Part15 Subpart.B Class B (3m) - GHz(Average)



RADIATED EMISSION

Date 2019-12-10

Order No. DTNC1911-09483
Power Supply 120 V 60 Hz
Temp/Humi 23 'C 47 % R.H.
Test Condition wireless

Memo bujeon

LIMIT : FCC Part15 Subpart.B Class B (3m) - GHz(Average)
FCC Part15 Subpart.B Class B (3m) - GHz(Average)

No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	27443.51028.90		38.83	21.10	45.45	43.38	54.00	10.62	120	120
2	33900.57027.66		41.39	24.09	46.76	46.38	54.00	7.62	134	308
3	39945.42026.21		43.38	23.97	46.91	46.65	54.00	7.35	233	277
----- Vertical -----										
4	27443.51028.60		38.83	21.10	45.45	43.08	54.00	10.92	120	124
5	33900.32027.66		41.39	24.09	46.76	46.38	54.00	7.62	308	138
6	39945.04026.20		43.37	23.97	46.91	46.63	54.00	7.37	177	141

Calculation

N : Neutral phase, L1 : Live phase
C.FACTOR(dB) : Pulse Limiter(dB) + Cable loss(dB) + Insertion loss of LISN(dB)
Result(dBμV) : Reading Value(dBμV) + C.FACTOR(dB)
Margin(dB) : Limit(dBμV) - Result(dBμV)

8. Revision History

Date	Description	Revised By	Reviewed By
Dec. 13. 2019	Initial report	JunSeo Park	HyungJun Kim

-End of test report-