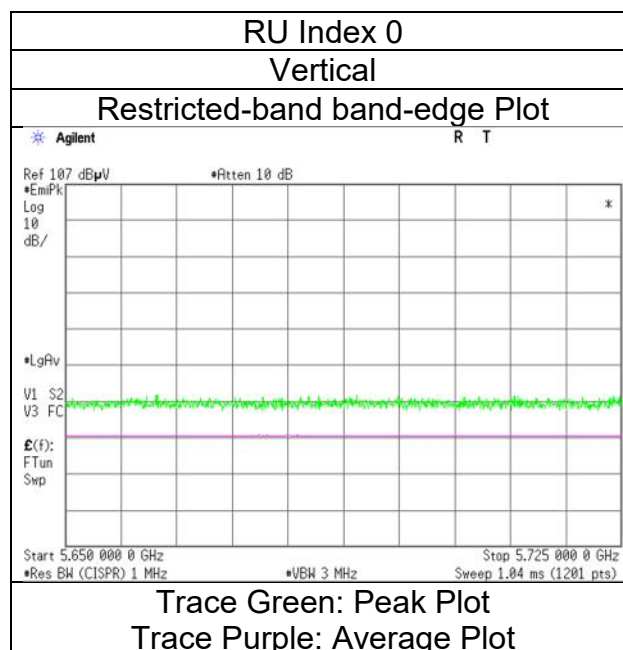
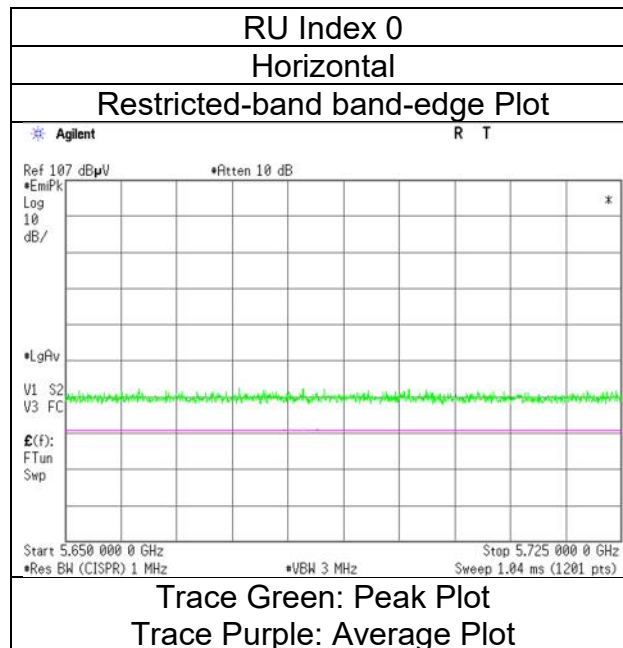


Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	October 2, 2023
Temperature / Humidity	24 deg. C / 53 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-40 (OFDMA) 26-tone RU, 5755 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 20, 2023
Temperature / Humidity 22 deg.C, 48 %RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 52-tone RU, 5755 MHz

RU Index 37

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.81	32.44	17.03	43.44	2.49	58.33	-36.90	-27.0	9.9	146	128	-
Hori.	5700.000	PK	50.10	32.56	17.05	43.43	2.49	58.77	-36.46	10.0	46.4	146	128	-
Hori.	5720.000	PK	50.40	32.61	17.06	43.42	2.49	59.14	-36.09	15.6	51.6	146	128	-
Hori.	5725.000	PK	50.41	32.63	17.07	43.42	2.49	59.18	-36.05	27.0	63.0	146	128	-
Vert.	5650.000	PK	49.76	32.44	17.03	43.44	2.49	58.28	-36.95	-27.0	9.9	203	227	-
Vert.	5700.000	PK	49.62	32.56	17.05	43.43	2.49	58.29	-36.94	10.0	46.9	203	227	-
Vert.	5720.000	PK	49.56	32.61	17.06	43.42	2.49	58.30	-36.93	15.6	52.5	203	227	-
Vert.	5725.000	PK	50.17	32.63	17.07	43.42	2.49	58.94	-36.29	27.0	63.2	203	227	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

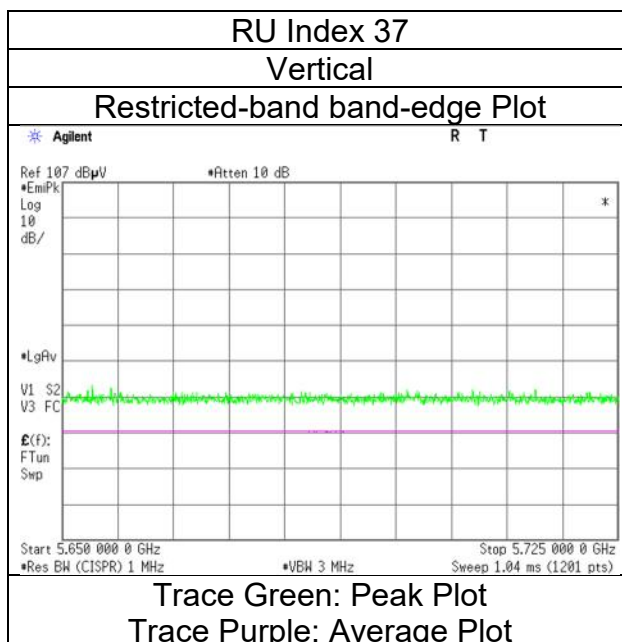
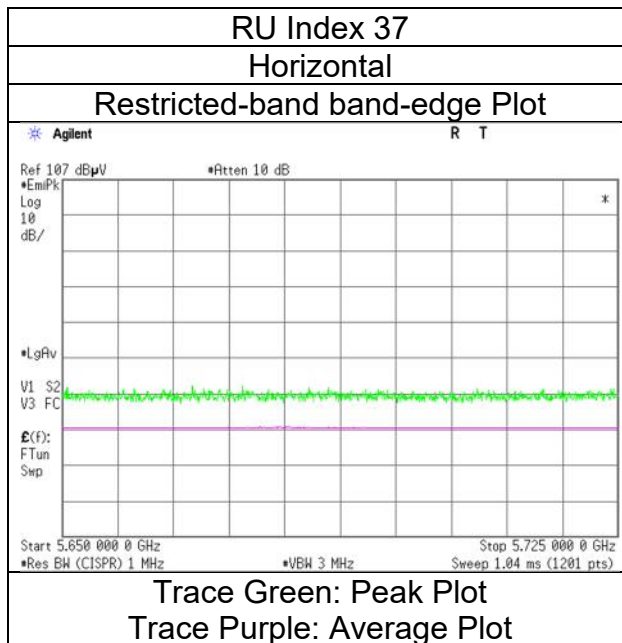
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
September 20, 2023
22 deg.C, 48 %RH
Kouki Yamada
Tx 11ax-40 (OFDMA) 52-tone RU, 5755 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 20, 2023
Temperature / Humidity 22 deg.C, 48 %RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 106 -tone RU, 5755 MHz

RU Index 53

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	50.61	32.44	17.03	43.44	2.49	59.13	-36.10	-27.0	9.1	152	128	-
Hori.	5700.000	PK	50.89	32.56	17.05	43.43	2.49	59.56	-35.67	10.0	45.6	152	128	-
Hori.	5720.000	PK	50.31	32.61	17.06	43.42	2.49	59.05	-36.18	15.6	51.7	152	128	-
Hori.	5725.000	PK	50.61	32.63	17.07	43.42	2.49	59.38	-35.85	27.0	62.8	152	128	-
Vert.	5650.000	PK	51.32	32.44	17.03	43.44	2.49	59.84	-35.39	-27.0	8.3	210	231	-
Vert.	5700.000	PK	51.69	32.56	17.05	43.43	2.49	60.36	-34.87	10.0	44.8	210	231	-
Vert.	5720.000	PK	51.44	32.61	17.06	43.42	2.49	60.18	-35.05	15.6	50.6	210	231	-
Vert.	5725.000	PK	51.56	32.63	17.07	43.42	2.49	60.33	-34.90	27.0	61.9	210	231	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

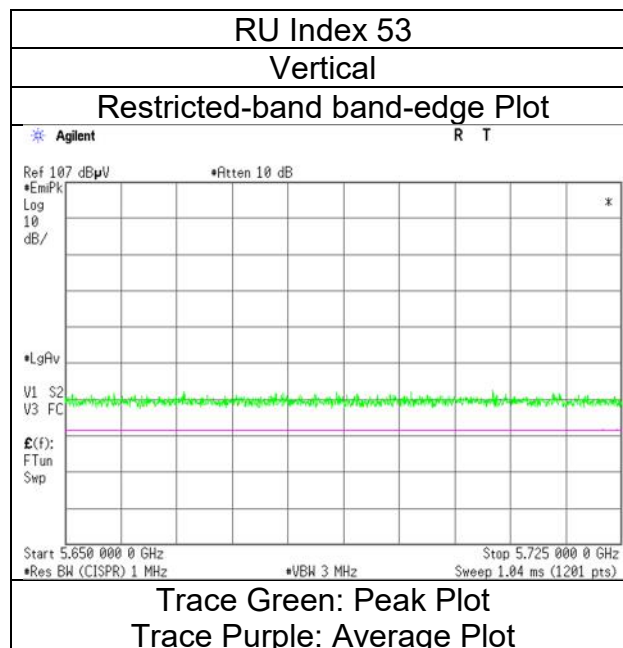
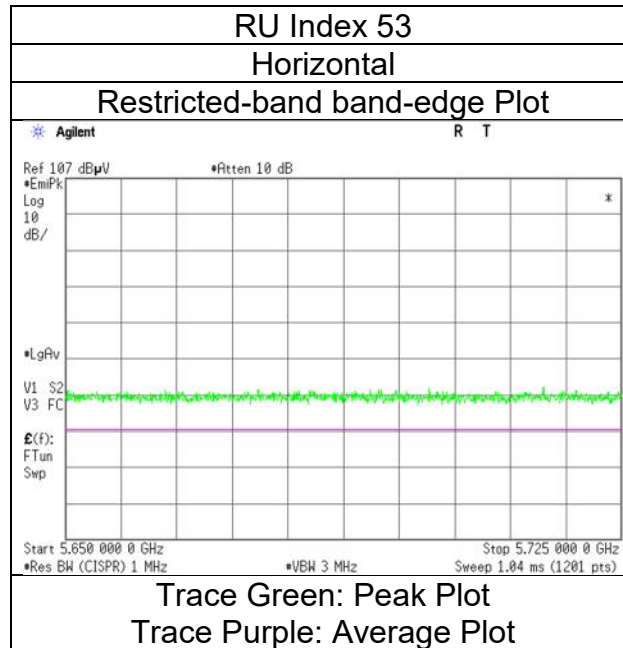
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 20, 2023
Temperature / Humidity	22 deg.C, 48 %RH
Engineer	Kouki Yamada
Mode	Tx 11ax-40 (OFDMA) 106 -tone RU, 5755 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 20, 2023
Temperature / Humidity 22 deg.C, 48 %RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 242-tone RU, 5755 MHz

RU Index 61

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	50.50	32.44	17.03	43.44	2.49	59.02	-36.21	-27.0	9.2	153	129	-
Hori.	5700.000	PK	50.84	32.56	17.05	43.43	2.49	59.51	-35.72	10.0	45.7	153	129	-
Hori.	5720.000	PK	50.67	32.61	17.06	43.42	2.49	59.41	-35.82	15.6	51.4	153	129	-
Hori.	5725.000	PK	51.06	32.63	17.07	43.42	2.49	59.83	-35.40	27.0	62.4	153	129	-
Vert.	5650.000	PK	51.22	32.44	17.03	43.44	2.49	59.74	-35.49	-27.0	8.4	211	242	-
Vert.	5700.000	PK	51.41	32.56	17.05	43.43	2.49	60.08	-35.15	10.0	45.1	211	242	-
Vert.	5720.000	PK	51.57	32.61	17.06	43.42	2.49	60.31	-34.92	15.6	50.5	211	242	-
Vert.	5725.000	PK	51.88	32.63	17.07	43.42	2.49	60.65	-34.58	27.0	61.5	211	242	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

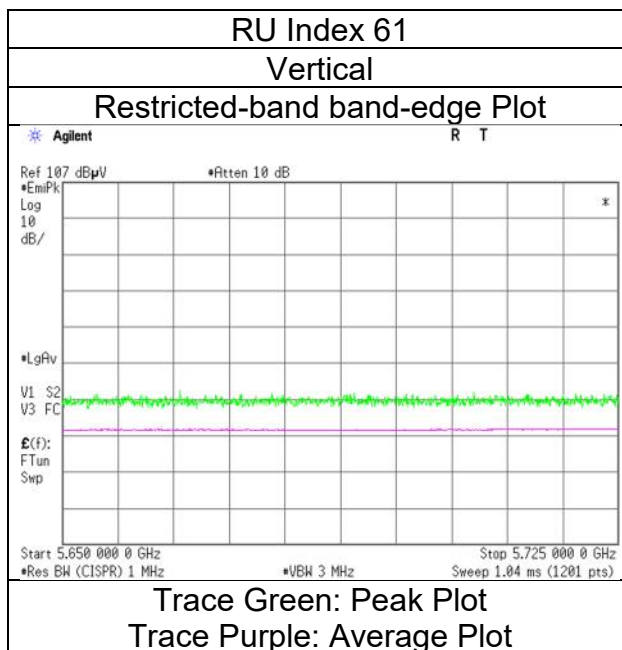
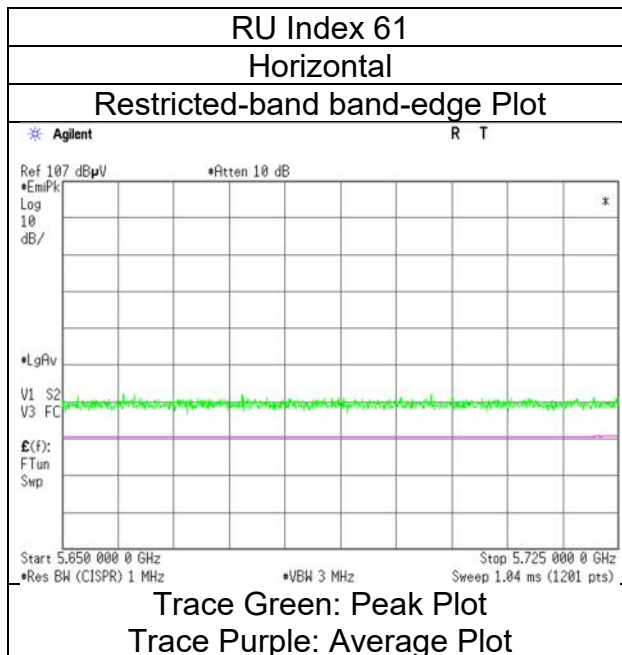
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
September 20, 2023
22 deg.C, 48 %RH
Kouki Yamada
Tx 11ax-40 (OFDMA) 242-tone RU, 5755 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 21, 2023
Temperature / Humidity 23 deg.C, 46 %RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 484-tone RU, 5755 MHz

RU Index 65

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	50.17	32.44	17.03	43.44	2.49	58.69	-36.54	-27.0	9.5	144	126	-
Hori.	5700.000	PK	50.00	32.56	17.05	43.43	2.49	58.67	-36.56	10.0	46.5	144	126	-
Hori.	5720.000	PK	51.30	32.61	17.06	43.42	2.49	60.04	-35.19	15.6	50.7	144	126	-
Hori.	5725.000	PK	50.94	32.63	17.07	43.42	2.49	59.71	-35.52	27.0	62.5	144	126	-
Vert.	5650.000	PK	51.17	32.44	17.03	43.44	2.49	59.69	-35.54	-27.0	8.5	209	235	-
Vert.	5700.000	PK	51.37	32.56	17.05	43.43	2.49	60.04	-35.19	10.0	45.1	209	235	-
Vert.	5720.000	PK	52.11	32.61	17.06	43.42	2.49	60.85	-34.38	15.6	49.9	209	235	-
Vert.	5725.000	PK	51.73	32.63	17.07	43.42	2.49	60.50	-34.73	27.0	61.7	209	235	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

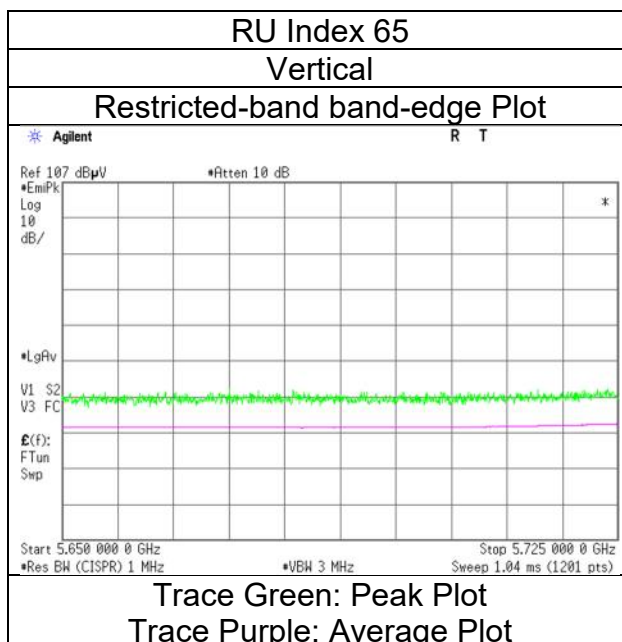
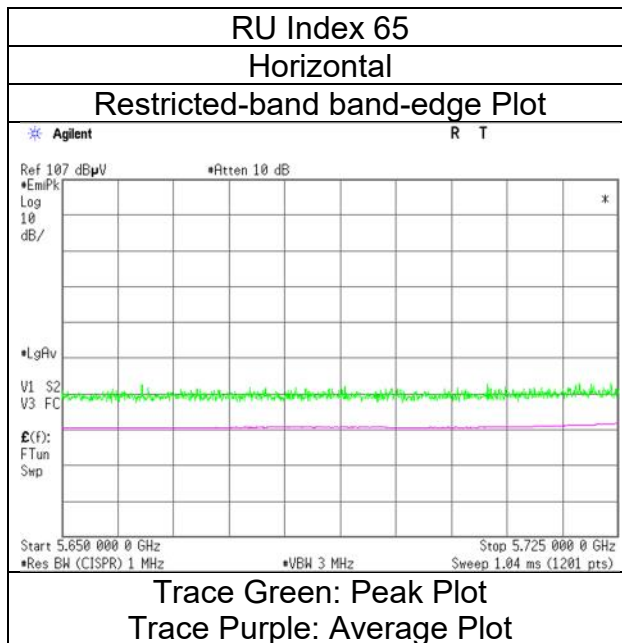
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
September 21, 2023
23 deg.C, 46 %RH
Kouki Yamada
Tx 11ax-40 (OFDMA) 484-tone RU, 5755 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date October 2, 2023
Temperature / Humidity 24 deg. C / 53 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 26-tone RU, 5795 MHz

RU Index 17

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	49.94	32.94	17.14	43.39	2.49	59.12	-36.11	27.0	63.1	166	123	-
Hori.	5855.000	PK	50.03	32.95	17.14	43.39	2.49	59.22	-36.01	15.6	51.6	166	123	-
Hori.	5875.000	PK	50.24	32.98	17.18	43.39	2.49	59.50	-35.73	10.0	45.7	166	123	-
Hori.	5925.000	PK	50.06	33.06	17.20	43.38	2.49	59.43	-35.80	-27.0	8.8	166	123	-
Vert.	5850.000	PK	50.10	32.94	17.14	43.39	2.49	59.28	-35.95	27.0	62.9	100	110	-
Vert.	5855.000	PK	50.32	32.95	17.14	43.39	2.49	59.51	-35.72	15.6	51.3	100	110	-
Vert.	5875.000	PK	50.10	32.98	17.18	43.39	2.49	59.36	-35.87	10.0	45.8	100	110	-
Vert.	5925.000	PK	50.20	33.06	17.20	43.38	2.49	59.57	-35.66	-27.0	8.6	100	110	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20)) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

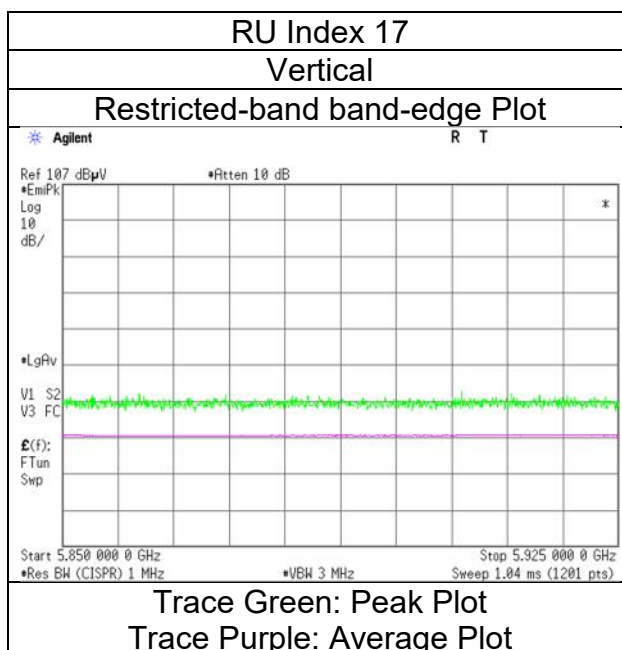
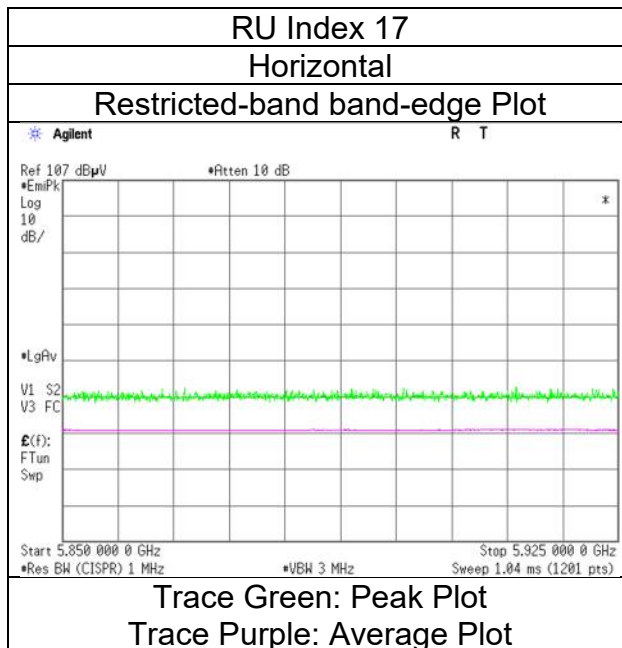
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	October 2, 2023
Temperature / Humidity	24 deg. C / 53 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-40 (OFDMA) 26-tone RU, 5795 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 20, 2023
Temperature / Humidity 22 deg.C, 48 %RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 52-tone RU, 5795 MHz

RU Index 44

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	50.32	32.94	17.14	43.39	2.49	59.50	-35.73	27.0	62.7	126	128	-
Hori.	5855.000	PK	49.87	32.95	17.14	43.39	2.49	59.06	-36.17	15.6	51.7	126	128	-
Hori.	5875.000	PK	49.83	32.98	17.18	43.39	2.49	59.09	-36.14	10.0	46.1	126	128	-
Hori.	5925.000	PK	50.07	33.06	17.20	43.38	2.49	59.44	-35.79	-27.0	8.7	126	128	-
Vert.	5850.000	PK	50.03	32.94	17.14	43.39	2.49	59.21	-36.02	27.0	63.0	203	223	-
Vert.	5855.000	PK	49.40	32.95	17.14	43.39	2.49	58.59	-36.64	15.6	52.2	203	223	-
Vert.	5875.000	PK	49.85	32.98	17.18	43.39	2.49	59.11	-36.12	10.0	46.1	203	223	-
Vert.	5925.000	PK	50.56	33.06	17.20	43.38	2.49	59.93	-35.30	-27.0	8.3	203	223	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20)) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

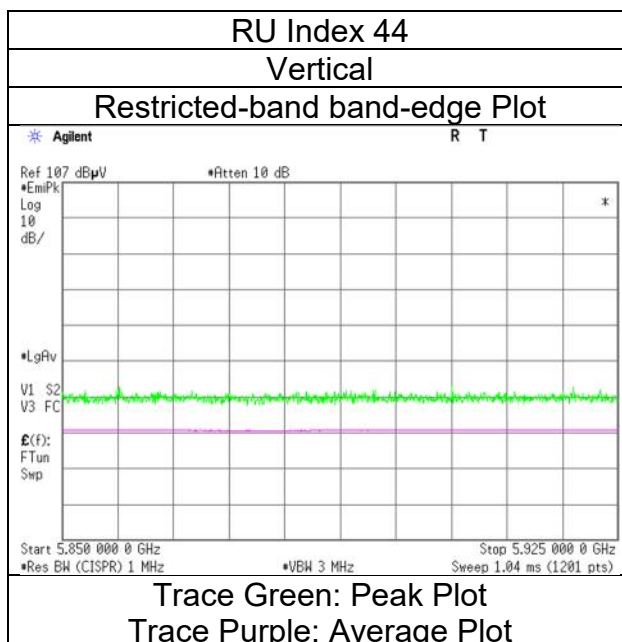
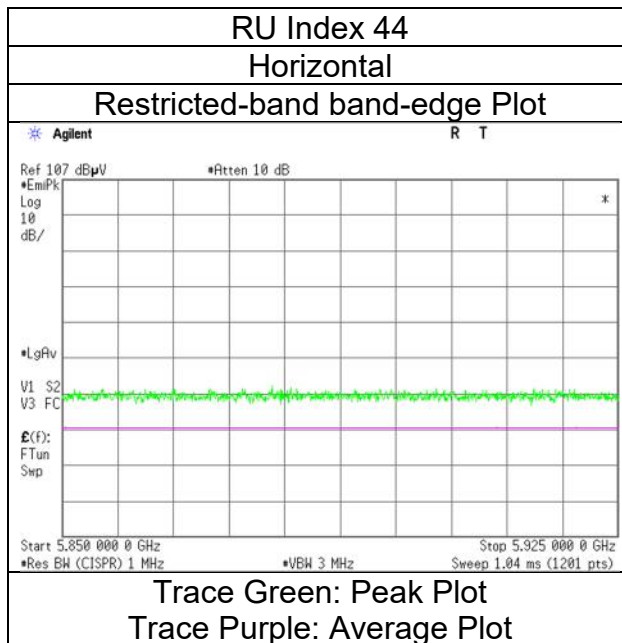
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
September 20, 2023
22 deg.C, 48 %RH
Kouki Yamada
Tx 11ax-40 (OFDMA) 52-tone RU, 5795 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 20, 2023
Temperature / Humidity 22 deg.C, 48 %RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 106 -tone RU, 5795 MHz

RU Index 56

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	50.65	32.94	17.14	43.39	2.49	59.83	-35.40	27.0	62.4	149	119	-
Hori.	5855.000	PK	50.81	32.95	17.14	43.39	2.49	60.00	-35.23	15.6	50.8	149	119	-
Hori.	5875.000	PK	50.37	32.98	17.18	43.39	2.49	59.63	-35.60	10.0	45.6	149	119	-
Hori.	5925.000	PK	50.97	33.06	17.20	43.38	2.49	60.34	-34.89	-27.0	7.8	149	119	-
Vert.	5850.000	PK	51.55	32.94	17.14	43.39	2.49	60.73	-34.50	27.0	61.5	210	232	-
Vert.	5855.000	PK	51.60	32.95	17.14	43.39	2.49	60.79	-34.44	15.6	50.0	210	232	-
Vert.	5875.000	PK	51.23	32.98	17.18	43.39	2.49	60.49	-34.74	10.0	44.7	210	232	-
Vert.	5925.000	PK	51.99	33.06	17.20	43.38	2.49	61.36	-33.87	-27.0	6.8	210	232	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

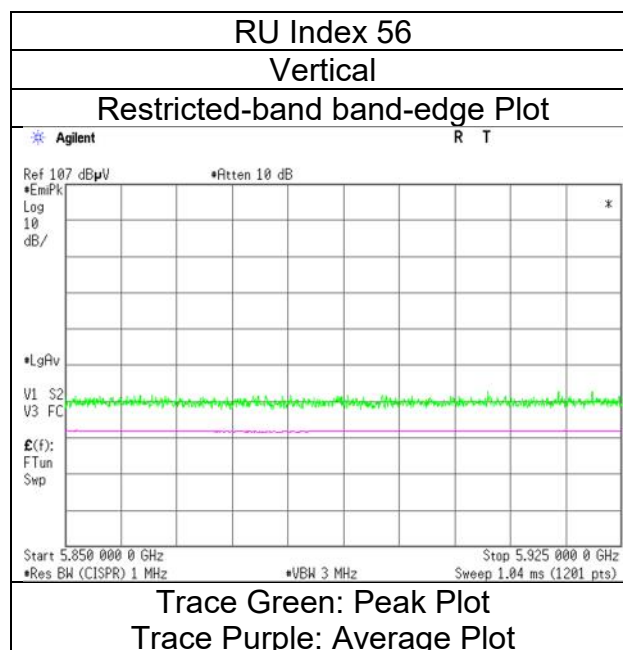
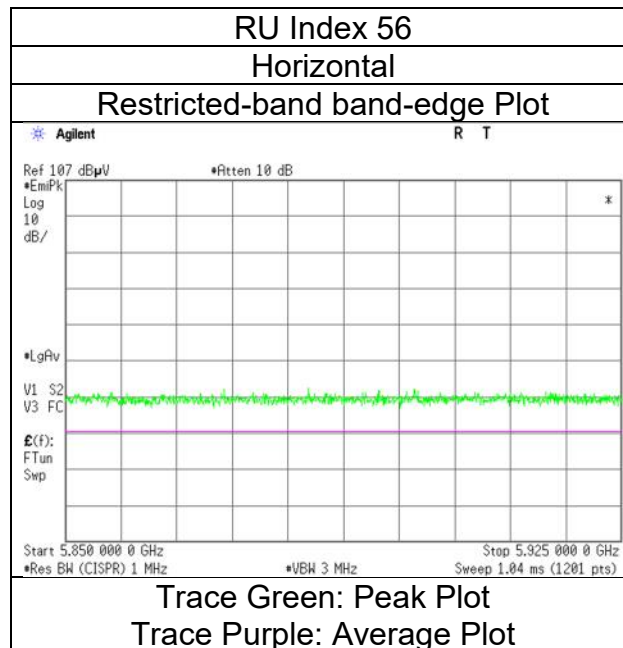
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 20, 2023
Temperature / Humidity	22 deg.C, 48 %RH
Engineer	Kouki Yamada
Mode	Tx 11ax-40 (OFDMA) 106 -tone RU, 5795 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 20, 2023
Temperature / Humidity 22 deg.C, 48 %RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 242-tone RU, 5795 MHz

RU Index 62

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	51.80	32.94	17.14	43.39	2.49	60.98	-34.25	27.0	61.2	149	129	-
Hori.	5855.000	PK	51.60	32.95	17.14	43.39	2.49	60.79	-34.44	15.6	50.0	149	129	-
Hori.	5875.000	PK	51.37	32.98	17.18	43.39	2.49	60.63	-34.60	10.0	44.6	149	129	-
Hori.	5925.000	PK	50.96	33.06	17.20	43.38	2.49	60.33	-34.90	-27.0	7.8	149	129	-
Vert.	5850.000	PK	52.04	32.94	17.14	43.39	2.49	61.22	-34.01	27.0	61.0	210	232	-
Vert.	5855.000	PK	51.37	32.95	17.14	43.39	2.49	60.56	-34.67	15.6	50.2	210	232	-
Vert.	5875.000	PK	51.49	32.98	17.18	43.39	2.49	60.75	-34.48	10.0	44.4	210	232	-
Vert.	5925.000	PK	51.77	33.06	17.20	43.38	2.49	61.14	-34.09	-27.0	7.0	210	232	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

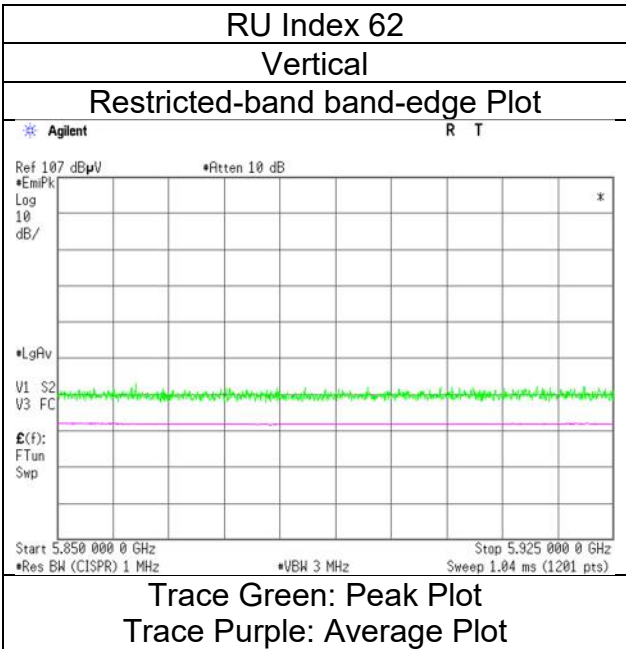
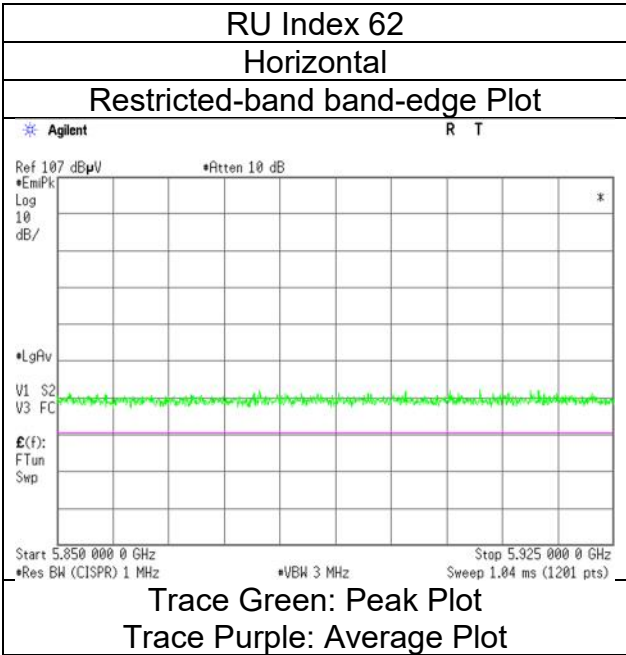
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 20, 2023
Temperature / Humidity	22 deg.C, 48 %RH
Engineer	Kouki Yamada
Mode	Tx 11ax-40 (OFDMA) 242-tone RU, 5795 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 21, 2023
Temperature / Humidity 23 deg.C, 46 %RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 484-tone RU, 5795 MHz

RU Index 65

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	50.97	32.94	17.14	43.39	2.49	60.15	-35.08	27.0	62.0	141	127	-
Hori.	5855.000	PK	50.86	32.95	17.14	43.39	2.49	60.05	-35.18	15.6	50.7	141	127	-
Hori.	5875.000	PK	50.01	32.98	17.18	43.39	2.49	59.27	-35.96	10.0	45.9	141	127	-
Hori.	5925.000	PK	50.51	33.06	17.20	43.38	2.49	59.88	-35.35	-27.0	8.3	141	127	-
Vert.	5850.000	PK	51.64	32.94	17.14	43.39	2.49	60.82	-34.41	27.0	61.4	231	236	-
Vert.	5855.000	PK	51.52	32.95	17.14	43.39	2.49	60.71	-34.52	15.6	50.1	231	236	-
Vert.	5875.000	PK	51.55	32.98	17.18	43.39	2.49	60.81	-34.42	10.0	44.4	231	236	-
Vert.	5925.000	PK	51.75	33.06	17.20	43.38	2.49	61.12	-34.11	-27.0	7.1	231	236	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

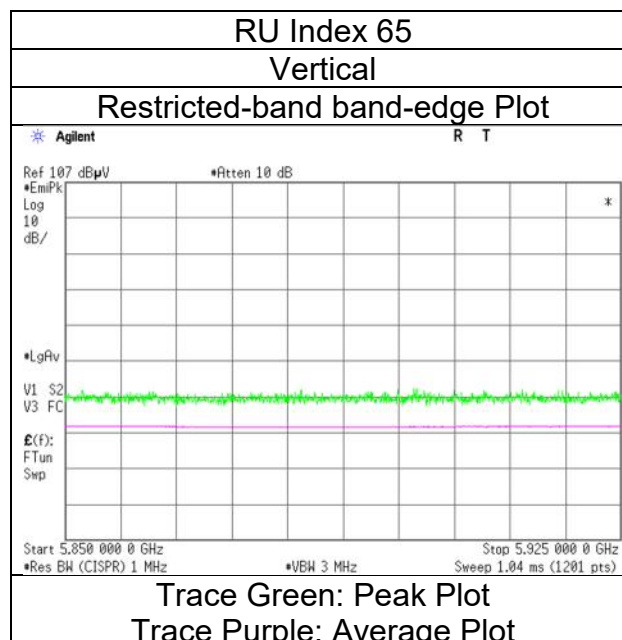
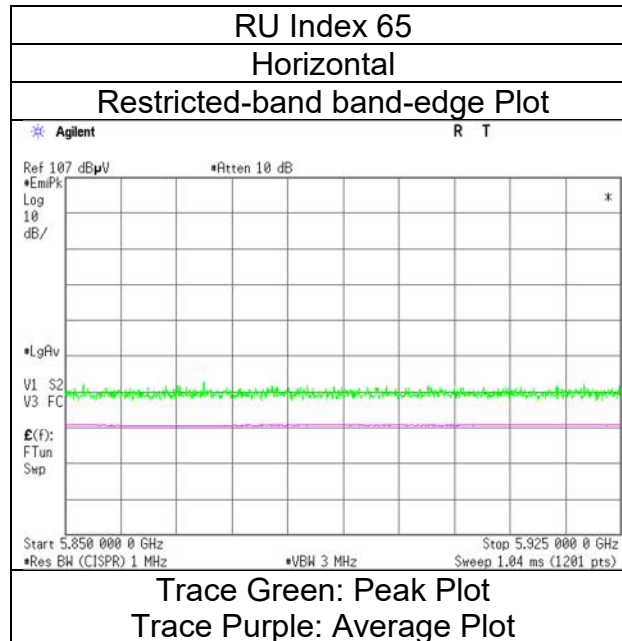
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
September 21, 2023
23 deg.C, 46 %RH
Kouki Yamada
Tx 11ax-40 (OFDMA) 484-tone RU, 5795 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date June 19, 2023
Temperature / Humidity 23 deg.C, 51 %RH
Engineer Hiromasa Sato
 (1 GHz -6.4 GHz)
Mode Tx 11ac-80, 5210 MHz

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	50.19	32.16	16.74	43.07	2.49	58.51	73.9	15.3	100	134	-
Hori.	5150.000	AV	37.16	32.16	16.74	43.07	2.49	45.48	53.9	8.4	100	134	VBW:1.8 kHz
Vert.	5150.000	PK	49.87	32.16	16.74	43.07	2.49	58.19	73.9	15.7	235	145	-
Vert.	5150.000	AV	38.01	32.16	16.74	43.07	2.49	46.33	53.9	7.5	235	145	VBW:1.8 kHz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

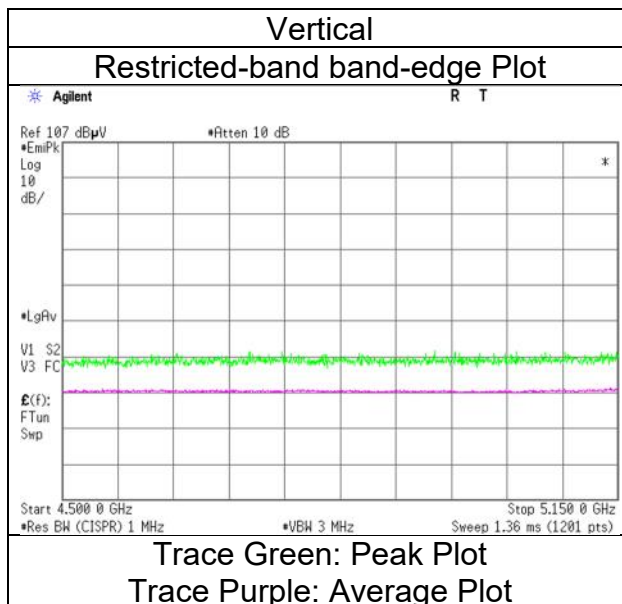
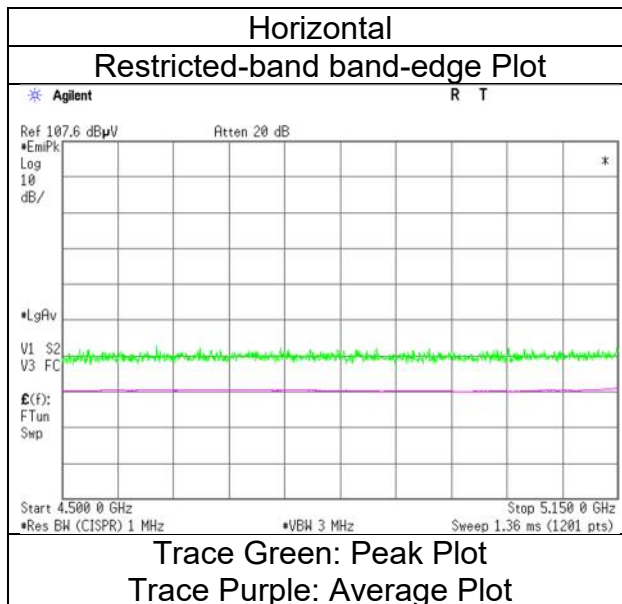
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$
10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
June 19, 2023
23 deg.C, 51 %RH
Hiromasa Sato
Tx 11ac-80, 5210 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date July 13, 2023
Temperature / Humidity 23 deg.C, 52 %RH
Engineer Shiro Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11ac-80, 5290 MHz

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)													
Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	50.93	31.98	16.87	43.30	2.49	58.97	73.9	14.9	237	178	-
Hori.	5350.000	AV	39.03	31.98	16.87	43.30	2.49	47.07	53.9	6.8	237	178	VBW:1.8 kHz
Vert.	5350.000	PK	51.40	31.98	16.87	43.30	2.49	59.44	73.9	14.4	275	142	-
Vert.	5350.000	AV	39.59	31.98	16.87	43.30	2.49	47.63	53.9	6.2	275	142	VBW:1.8 kHz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

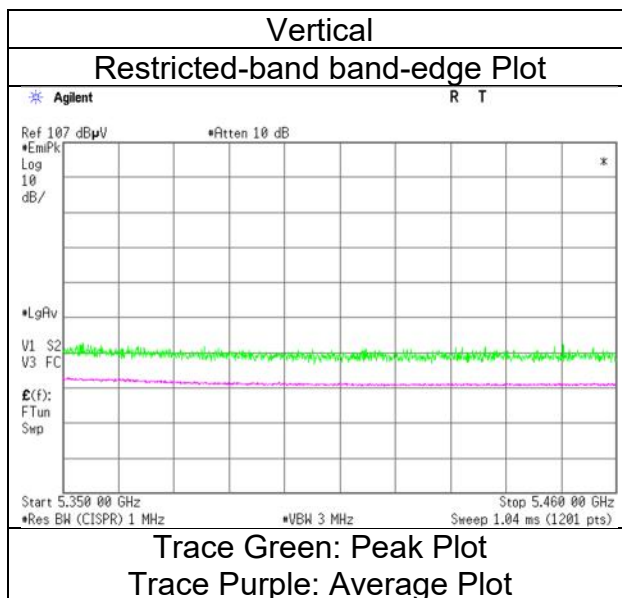
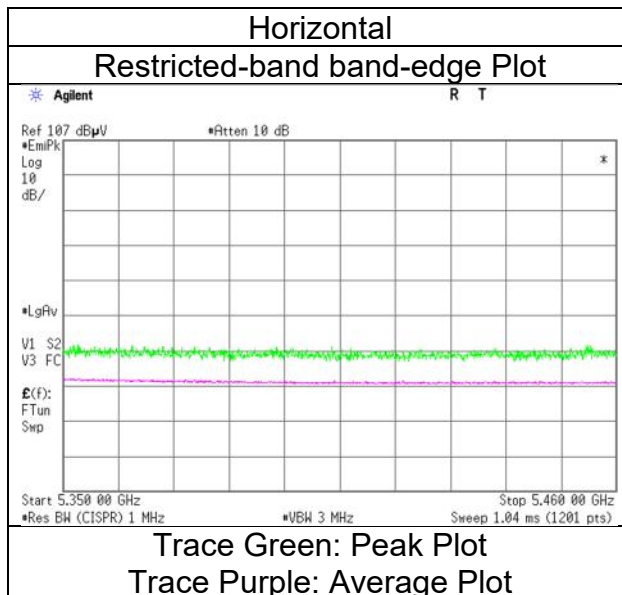
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
July 13, 2023
23 deg.C, 52 %RH
Shiro Kobayashi
Tx 11ac-80, 5290 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date July 7, 2023
Temperature / Humidity 22 deg.C, 52 %RH
Engineer Hiromasa Sato
 (1 GHz -6.4 GHz)
Mode Tx 11ac-80, 5530 MHz

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	51.12	32.24	16.94	43.42	2.49	59.37	73.9	14.5	331	244	-
Hori.	5460.000	AV	38.85	32.24	16.94	43.42	2.49	47.10	53.9	6.8	331	244	VBW:1.8 kHz
Vert.	5460.000	PK	50.96	32.24	16.94	43.42	2.49	59.21	73.9	14.6	151	286	-
Vert.	5460.000	AV	39.11	32.24	16.94	43.42	2.49	47.36	53.9	6.5	151	286	VBW:1.8 kHz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	50.70	32.25	16.95	43.44	2.49	58.95	-36.28	-27.0	9.2	331	244	-
Vert.	5470.000	PK	51.05	32.25	16.95	43.44	2.49	59.30	-35.93	-27.0	8.9	151	286	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \text{LOG} ((10^{\wedge}(\text{Electric Field Strength [dBuV/m]} / 20) * 10^{\wedge}(-6) * \text{Distance : 3 [m]})^2 / 30 * 10^{\wedge}3)$

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

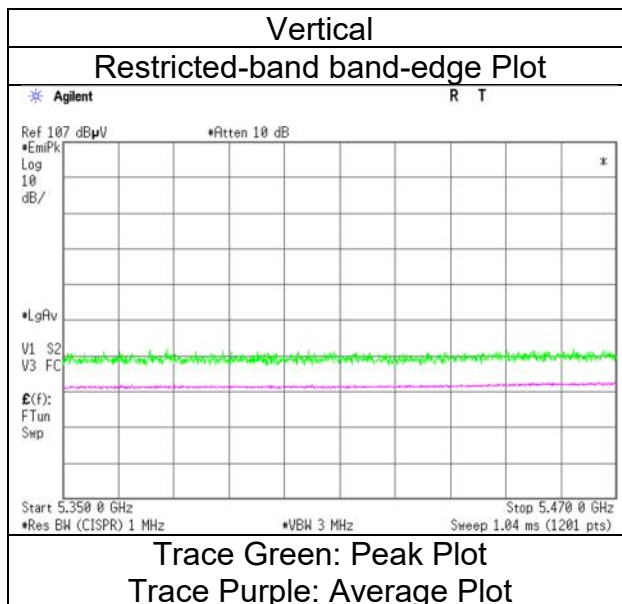
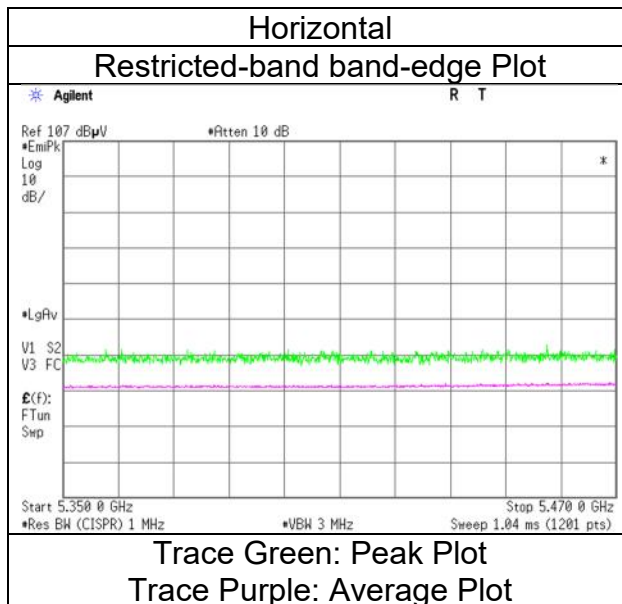
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
July 7, 2023
22 deg.C, 52 %RH
Hiromasa Sato
Tx 11ac-80, 5530 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date July 7, 2023
Temperature / Humidity 22 deg.C, 52 %RH
Engineer Hiromasa Sato
 (1 GHz -6.4 GHz)
Mode Tx 11ac-80, 5610 MHz

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	49.95	32.63	17.10	43.42	2.49	58.75	-36.48	-27.0	9.4	208	246	-
Vert.	5725.000	PK	49.46	32.63	17.10	43.42	2.49	58.26	-36.97	-27.0	9.9	151	284	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

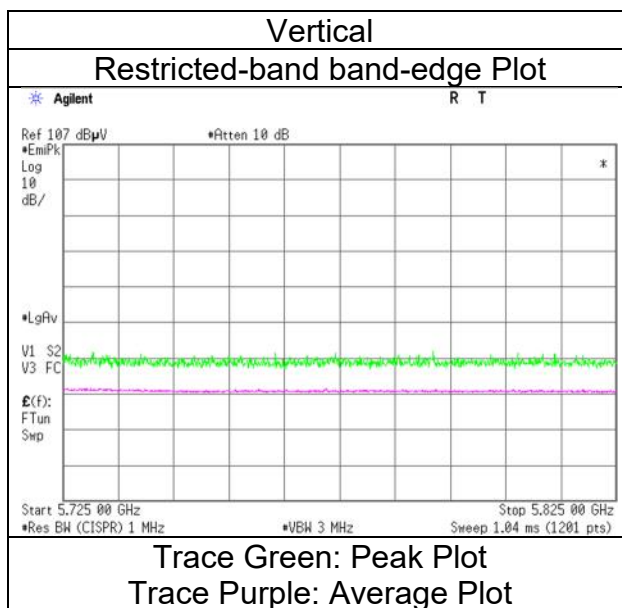
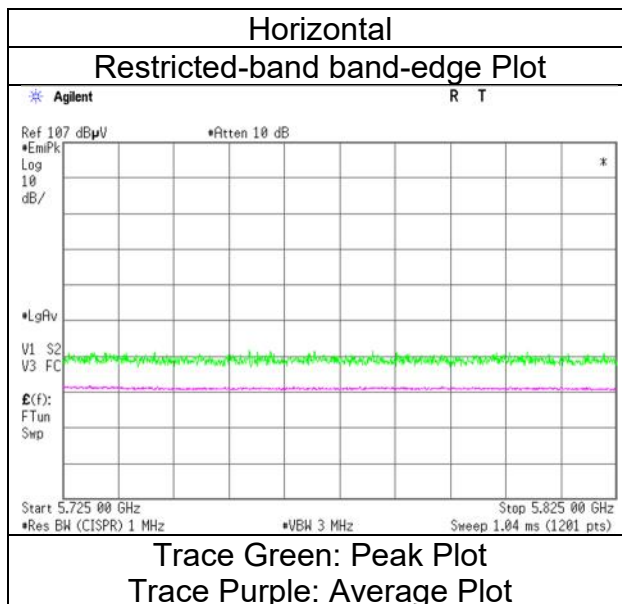
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
July 7, 2023
22 deg.C, 52 %RH
Hiromasa Sato
Tx 11ac-80, 5610 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date June 19, 2023
Temperature / Humidity 23 deg.C, 51 %RH
Engineer Hiromasa Sato
 (1 GHz -6.4 GHz)
Mode Tx 11ac-80, 5775 MHz

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	50.34	32.44	17.06	43.44	2.49	58.89	-36.34	-27.0	9.3	100	143	-
Hori.	5700.000	PK	50.50	32.56	17.08	43.43	2.49	59.20	-36.03	10.0	46.0	100	143	-
Hori.	5720.000	PK	51.05	32.61	17.09	43.42	2.49	59.82	-35.41	15.6	51.0	100	143	-
Hori.	5725.000	PK	50.99	32.63	17.10	43.42	2.49	59.79	-35.44	27.0	62.4	100	143	-
Hori.	5850.000	PK	50.56	32.94	17.17	43.39	2.49	59.77	-35.46	27.0	62.4	100	143	-
Hori.	5855.000	PK	50.32	32.95	17.17	43.39	2.49	59.54	-35.69	15.6	51.2	100	143	-
Hori.	5875.000	PK	50.07	32.98	17.21	43.39	2.49	59.36	-35.87	10.0	45.8	100	143	-
Hori.	5925.000	PK	50.12	33.06	17.23	43.38	2.49	59.52	-35.71	-27.0	8.7	100	143	-
Vert.	5650.000	PK	49.16	32.44	17.06	43.44	2.49	57.71	-37.52	-27.0	10.5	242	106	-
Vert.	5700.000	PK	49.77	32.56	17.08	43.43	2.49	58.47	-36.76	10.0	46.7	242	106	-
Vert.	5720.000	PK	49.95	32.61	17.09	43.42	2.49	58.72	-36.51	15.6	52.1	242	106	-
Vert.	5725.000	PK	50.00	32.63	17.10	43.42	2.49	58.80	-36.43	27.0	63.4	242	106	-
Vert.	5850.000	PK	49.68	32.94	17.17	43.39	2.49	58.89	-36.34	27.0	63.3	242	106	-
Vert.	5855.000	PK	49.67	32.95	17.17	43.39	2.49	58.89	-36.34	15.6	51.9	242	106	-
Vert.	5875.000	PK	49.66	32.98	17.21	43.39	2.49	58.95	-36.28	10.0	46.2	242	106	-
Vert.	5925.000	PK	49.12	33.06	17.23	43.38	2.49	58.52	-36.71	-27.0	9.7	242	106	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

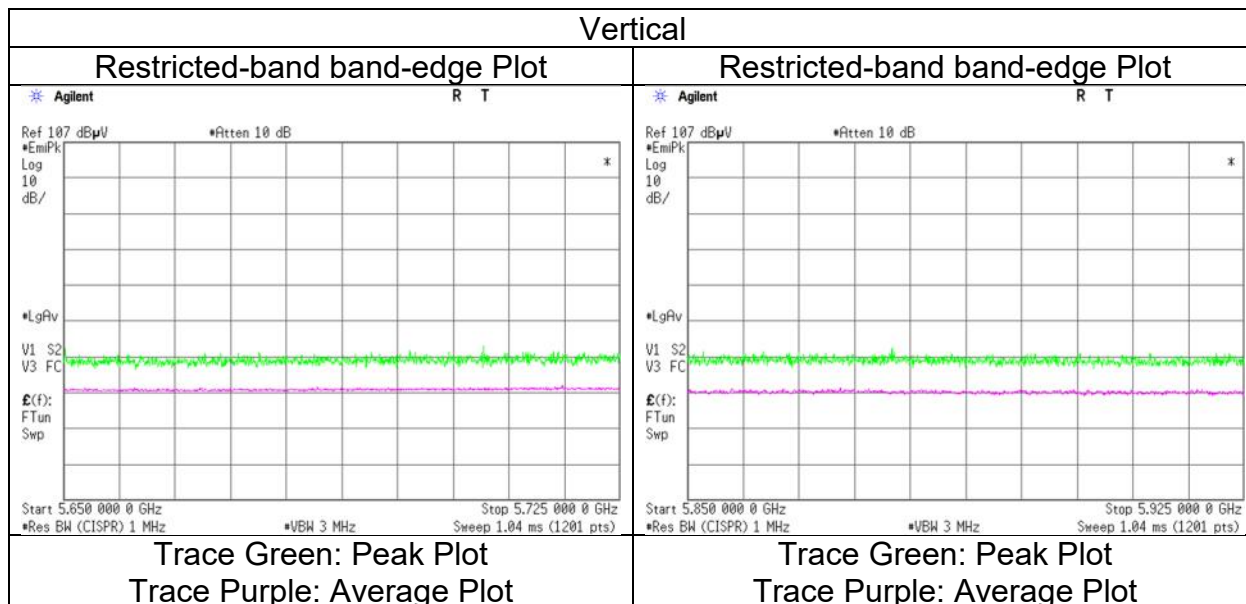
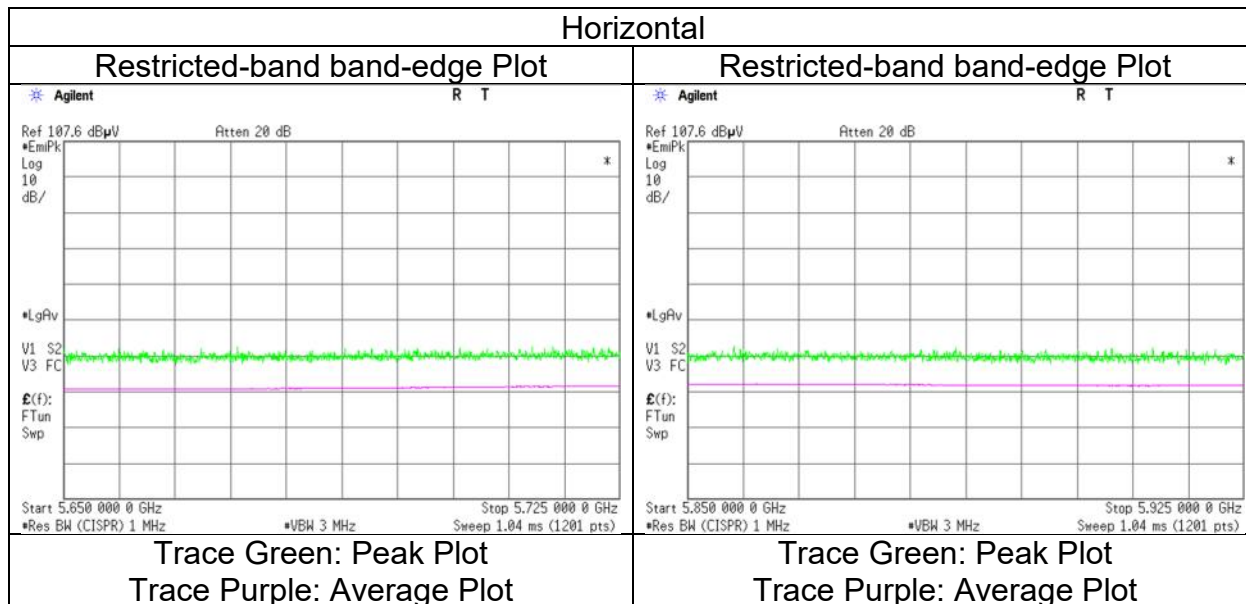
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	June 19, 2023
Temperature / Humidity	23 deg.C, 51 %RH
Engineer	Hiromasa Sato
Mode	Tx 11ac-80, 5775 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	SAC 3	SAC 3	SAC 3	SAC 3
Date	June 19, 2023	June 20, 2023	June 21, 2023	June 21, 2023
Temperature / Humidity	23 deg.C, 51 %RH	21 deg.C, 47 %RH	24 deg.C, 43 %RH	23 deg.C, 44 %RH
Engineer	Hiromasa Sato	Hiromasa Sato	Ken Fujita	Hiromasa Sato
Mode	(1 GHz -10 GHz)	(10 GHz -18 GHz)	(18 GHz -26.5 GHz)	(26.5 GHz – 40 GHz)
	Tx 11ax-80 (OFDM), 5210 MHz			

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.62	32.16	16.74	43.07	2.49	57.94	73.9	15.9	102	134	-
Hori.	15630.000	PK	45.98	39.52	11.82	40.54	-9.54	47.24	73.9	26.6	150	0	-
Hori.	36470.000	PK	57.34	43.71	19.87	67.97	-9.54	43.41	73.9	30.4	156	342	-
Hori.	5150.000	AV	36.92	32.16	16.74	43.07	2.49	45.24	53.9	8.6	102	134	VBW:1.5 kHz
Hori.	15630.000	AV	34.73	39.52	11.82	40.54	-9.54	35.99	53.9	17.9	150	0	Floor Noise
Hori.	36470.000	AV	49.12	43.71	19.87	67.97	-9.54	35.19	53.9	18.7	156	342	VBW:1.5 kHz
Vert.	5150.000	PK	49.54	32.16	16.74	43.07	2.49	57.86	73.9	16.0	233	145	-
Vert.	15630.000	PK	46.55	39.52	11.82	40.54	-9.54	47.81	73.9	26.0	150	0	-
Vert.	36470.000	PK	58.69	43.71	19.87	67.97	-9.54	44.76	73.9	29.1	141	81	-
Vert.	5150.000	AV	37.88	32.16	16.74	43.07	2.49	46.20	53.9	7.7	233	145	VBW:1.5 kHz
Vert.	15630.000	AV	33.70	39.52	11.82	40.54	-9.54	34.96	53.9	18.9	150	0	Floor Noise
Vert.	36470.000	AV	49.33	43.71	19.87	67.97	-9.54	35.40	53.9	18.5	141	81	VBW:1.5 kHz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	10420.000	PK	47.62	36.39	9.51	42.84	-9.54	41.14	-54.09	-27.0	27.0	150	0	-
Vert.	10420.000	PK	48.16	36.39	9.51	42.84	-9.54	41.68	-53.55	-27.0	26.5	150	0	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (ERP [dBm]) = $10 * \text{LOG}((10^{\wedge}(\text{Electric Field Strength [dBuV/m]} / 20)) * 10^{\wedge}(-6)) * \text{Distance} : 3\text{ [m]})^2 / 30 * 10^{\wedge}3)$

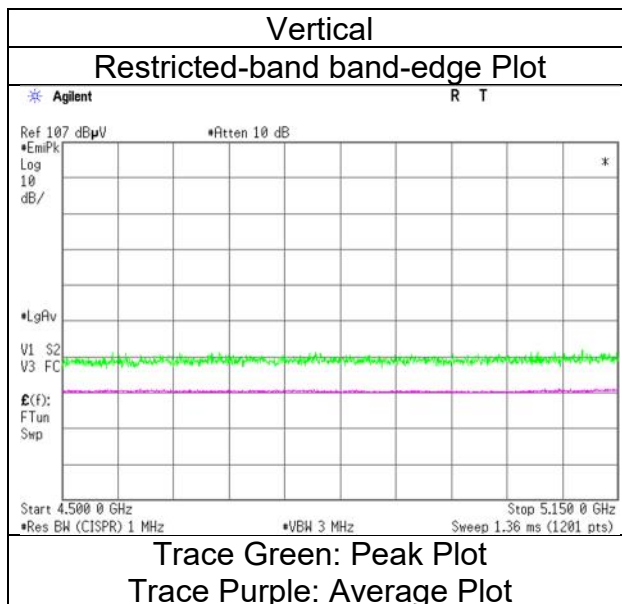
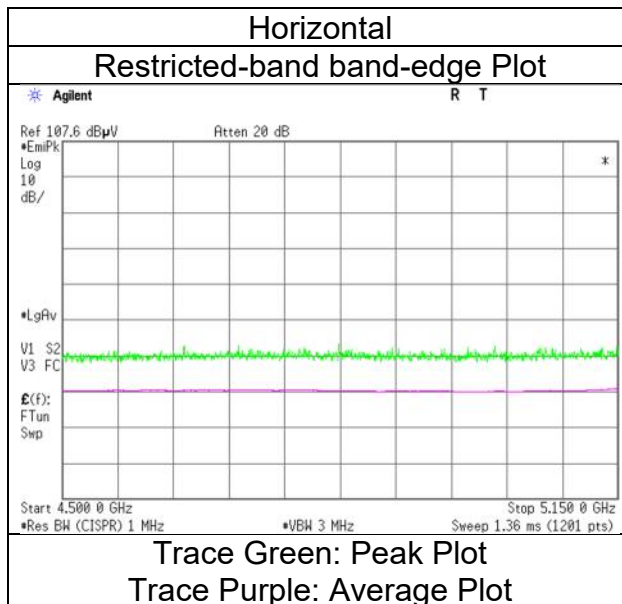
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	June 19, 2023
Temperature / Humidity	23 deg.C, 51 %RH
Engineer	Hiromasa Sato
Mode	Tx 11ax-80 (OFDM), 5210 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Shonan EMC Lab.					
Semi Anechoic Chamber	SAC 3	SAC 3	SAC 3	SAC 3	SAC 3	SAC 3
Date	July 13, 2023	June 19, 2023	June 20, 2023	June 21, 2023	June 21, 2023	June 21, 2023
Temperature / Humidity	23 deg.C, 52 %RH	23 deg.C, 51 %RH	21 deg.C, 47 %RH	24 deg.C, 43 %RH	23 deg.C, 44 %RH	23 deg.C, 44 %RH
Engineer	Shiro Kobayashi	Hiromasa Sato	Hiromasa Sato	Ken Fujita	Hiromasa Sato	Hiromasa Sato
Mode	(1 GHz -6.4 GHz)	(6.4 GHz -10 GHz)	(10 GHz -18 GHz)	(18 GHz -26.5 GHz)	(26.5 GHz - 40 GHz)	
	Tx 11ax-80 (OFDM), 5290 MHz					

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	55.88	31.98	16.87	43.30	2.49	63.92	73.9	9.9	100	138	-
Hori.	15870.000	PK	48.95	39.93	11.75	40.59	-9.54	50.50	73.9	23.4	150	0	-
Hori.	5350.000	AV	41.63	31.98	16.87	43.30	2.49	49.67	53.9	4.2	100	138	VBW:1.5 kHz
Hori.	15870.000	AV	37.17	39.93	11.75	40.59	-9.54	38.72	53.9	15.1	150	0	Floor Noise
Vert.	5350.000	PK	52.16	31.98	16.87	43.30	2.49	60.20	73.9	13.7	225	146	-
Vert.	15870.000	PK	47.79	39.93	11.75	40.59	-9.54	49.34	73.9	24.5	150	0	-
Vert.	5350.000	AV	39.82	31.98	16.87	43.30	2.49	47.86	53.9	6.0	225	146	VBW:1.5 kHz
Vert.	15870.000	AV	34.39	39.93	11.75	40.59	-9.54	35.94	53.9	17.9	150	0	Floor Noise

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	10580.000	PK	49.27	36.89	9.56	42.85	-9.54	43.33	-51.90	-27.0	24.9	150	0	-
Hori.	37030.000	PK	60.24	43.72	20.10	70.57	-9.54	43.95	-51.28	-27.0	24.2	168	337	-
Vert.	10580.000	PK	47.73	36.89	9.56	42.85	-9.54	41.79	-53.44	-27.0	26.4	150	0	-
Vert.	37030.000	PK	62.44	43.72	20.10	70.57	-9.54	46.15	-49.08	-27.0	22.0	167	81	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \log(10^{\wedge}(\text{Electric Field Strength [dBuV/m]} / 20) * 10^{\wedge}(-6) * \text{Distance : } 3\text{ [m]})^{\wedge}2 / 30 * 10^{\wedge}3)$

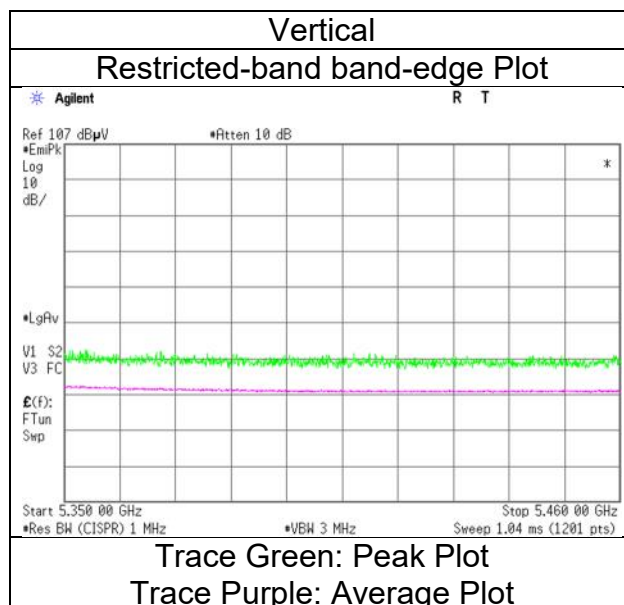
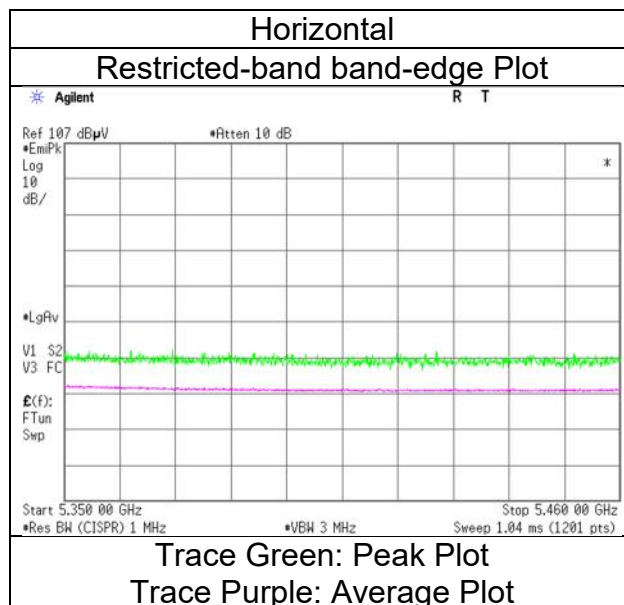
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	July 13, 2023
Temperature / Humidity	23 deg.C, 52 %RH
Engineer	Shiro Kobayashi
Mode	Tx 11ax-80 (OFDM), 5290 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	SAC 3	SAC 3	SAC 3	SAC 3
Date	July 7, 2023	October 29, 2023	June 21, 2023	October 29, 2023
Temperature / Humidity	22 deg.C, 52 %RH	23 deg.C, 50 %RH	24 deg.C, 43 %RH	23 deg.C, 50 %RH
Engineer	Hiromasa Sato	Yohsuke Matsuzawa	Ken Fujita	Yohsuke Matsuzawa
	(1 GHz -10 GHz)	(10 GHz -18 GHz)	(18 GHz -26.5 GHz)	(26.5 - 40 GHz)
Mode	Tx 11ax-80 (OFDM), 5530 MHz			

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	50.75	32.24	16.94	43.42	2.49	59.00	73.9	14.9	235	245	-
Hori.	11060.000	PK	49.73	37.60	9.74	42.86	-9.54	44.67	73.9	29.2	150	0	-
Hori.	38710.000	PK	60.11	44.01	20.69	70.14	-9.54	45.13	73.9	28.7	167	264	-
Hori.	5460.000	AV	38.75	32.24	16.94	43.42	2.49	47.00	53.9	6.9	235	245	VBW:1.5 kHz
Hori.	11060.000	AV	37.31	37.60	9.74	42.86	-9.54	32.25	53.9	21.6	150	0	Floor Noise
Hori.	38710.000	AV	49.88	44.01	20.69	70.14	-9.54	34.90	53.9	19.0	167	264	VBW: 1.5 kHz
Vert.	5460.000	PK	50.77	32.24	16.94	43.42	2.49	59.02	73.9	14.8	152	293	-
Vert.	11060.000	PK	50.15	37.60	9.74	42.86	-9.54	45.09	73.9	28.8	150	0	-
Vert.	38710.000	PK	61.56	44.01	20.69	70.14	-9.54	46.58	73.9	27.3	168	247	-
Vert.	5460.000	AV	38.53	32.24	16.94	43.42	2.49	46.78	53.9	7.1	152	293	VBW:1.5 kHz
Vert.	11060.000	AV	37.85	37.60	9.74	42.86	-9.54	32.79	53.9	21.1	150	0	Floor Noise
Vert.	38710.000	AV	54.65	44.01	20.69	70.14	-9.54	39.67	53.9	14.2	168	247	VBW: 1.5 kHz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995 \text{ m} / 3.0 \text{ m}) = 2.49 \text{ dB}$

10 GHz - 40 GHz : $20\log(1.0 \text{ m} / 3.0 \text{ m}) = -9.54 \text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	51.56	32.25	16.95	43.44	2.49	59.81	-35.42	-27.0	8.4	235	245	-
Hori.	16590.000	PK	46.61	39.92	12.48	40.62	-9.54	48.85	-46.38	-27.0	19.3	150	0	-
Vert.	5470.000	PK	53.25	32.25	16.95	43.44	2.49	61.50	-33.73	-27.0	6.7	152	293	-
Vert.	16590.000	PK	46.88	39.92	12.48	40.62	-9.54	49.12	-46.11	-27.0	19.1	150	0	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \text{LOG}((10^{\wedge}(\text{Electric Field Strength [dBuV/m]} / 20)) * 10^{\wedge}(-6)) * \text{Distance} : 3 [\text{m}]^2 / 30 * 10^{\wedge}3)$

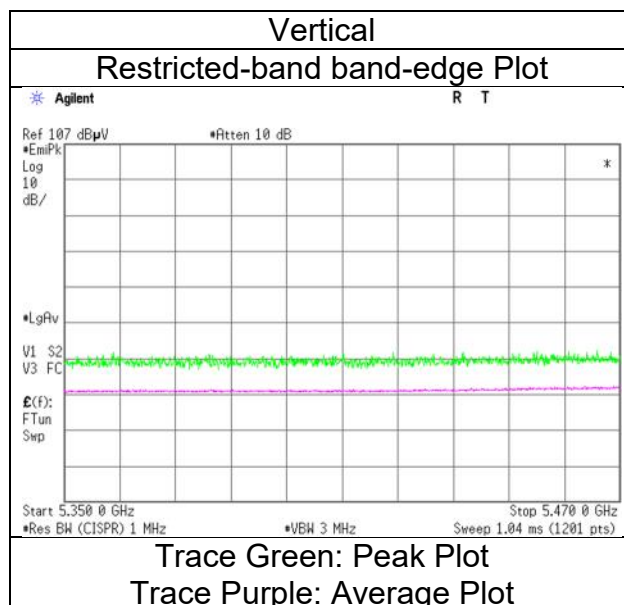
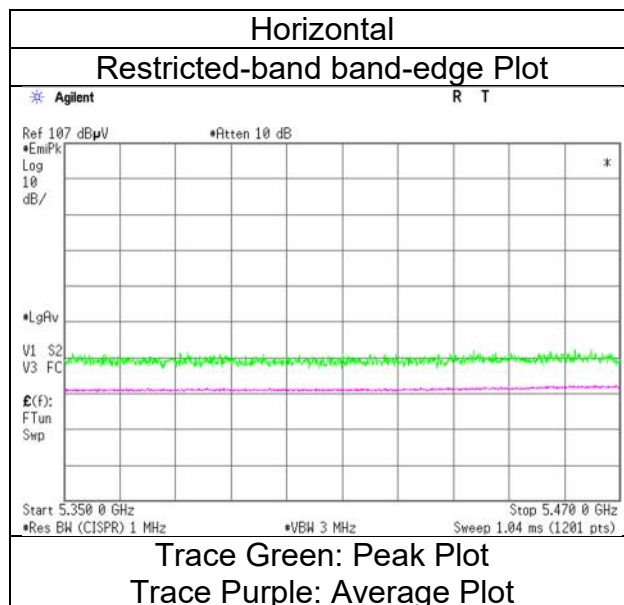
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995 \text{ m} / 3.0 \text{ m}) = 2.49 \text{ dB}$

10 GHz - 40 GHz : $20\log(1.0 \text{ m} / 3.0 \text{ m}) = -9.54 \text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	July 7, 2023
Temperature / Humidity	22 deg.C, 52 %RH
Engineer	Hiromasa Sato
Mode	Tx 11ax-80 (OFDM), 5530 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	SAC 3	SAC 3	SAC 3	SAC 3
Date	July 7, 2023	October 29, 2023	June 21, 2023	October 29, 2023
Temperature / Humidity	22 deg.C, 52 %RH	23 deg.C, 50 %RH	24 deg.C, 43 %RH	23 deg.C, 50 %RH
Engineer	Hiromasa Sato	Yohsuke Matsuzawa	Ken Fujita	Yohsuke Matsuzawa
	(1 GHz -10 GHz)	(10 GHz -18 GHz)	(18 GHz -26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ax-80 (OFDM), 5610 MHz			

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	11220.000	PK	50.35	37.87	9.83	42.76	-9.54	45.75	73.9	28.1	150	0	-
Hori.	39270.000	PK	59.53	44.13	20.69	69.37	-9.54	45.44	73.9	28.4	169	263	-
Hori.	11220.000	AV	38.01	37.87	9.83	42.76	-9.54	33.41	53.9	20.4	150	0	Floor Noise
Hori.	39270.000	AV	48.57	44.13	20.69	69.37	-9.54	34.48	53.9	19.4	169	263	VBW: 1.5 kHz
Vert.	11220.000	PK	49.55	37.87	9.83	42.76	-9.54	44.95	73.9	28.9	150	0	-
Vert.	39270.000	PK	62.31	44.13	20.69	69.37	-9.54	48.22	73.9	25.6	186	74	-
Vert.	11220.000	AV	37.86	37.87	9.83	42.76	-9.54	33.26	53.9	20.6	150	0	Floor Noise
Vert.	39270.000	AV	56.47	44.13	20.69	69.37	-9.54	42.38	53.9	11.5	186	74	VBW: 1.5 kHz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	49.59	32.63	17.10	43.42	2.49	58.39	-36.84	-27.0	9.8	232	228	-
Hori.	16830.000	PK	47.18	39.51	12.54	40.54	-9.54	49.15	-46.08	-27.0	19.0	150	0	-
Vert.	5725.000	PK	50.13	32.63	17.10	43.42	2.49	58.93	-36.30	-27.0	9.2	148	286	-
Vert.	16830.000	PK	48.21	39.51	12.54	40.54	-9.54	50.18	-45.05	-27.0	18.0	150	0	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \text{LOG}((10^{\wedge}(\text{Electric Field Strength [dBuV/m]} / 20) * 10^{\wedge}(-6)) * \text{Distance} : 3 [\text{m}])^{\wedge}2 / 30 * 10^{\wedge}3)$

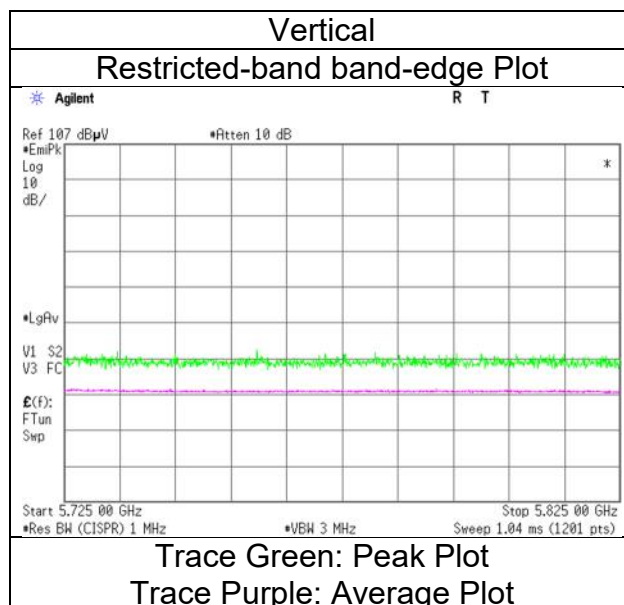
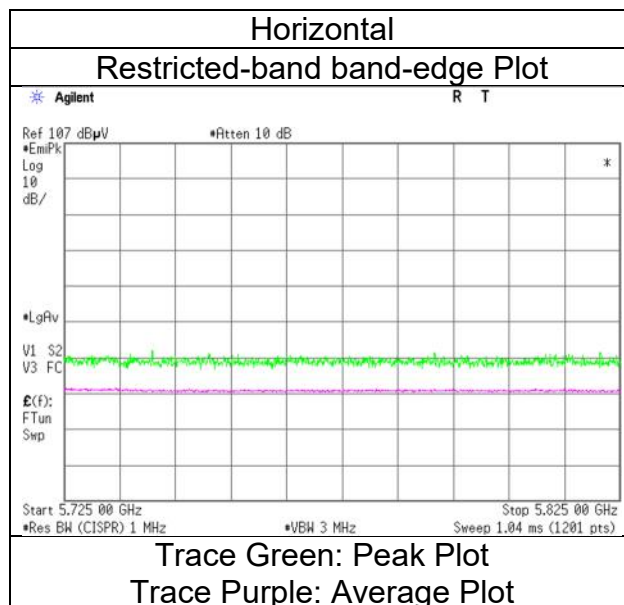
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	July 7, 2023
Temperature / Humidity	22 deg.C, 52 %RH
Engineer	Hiromasa Sato
Mode	Tx 11ax-80 (OFDM), 5610 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	SAC 3	SAC 3	SAC 3	SAC 3
Date	June 19, 2023	June 20, 2023	June 21, 2023	June 21, 2023
Temperature / Humidity	23 deg.C, 51 %RH	21 deg.C, 47 %RH	24 deg.C, 43 %RH	23 deg.C, 44 %RH
Engineer	Hiromasa Sato	Hiromasa Sato	Ken Fujita	Hiromasa Sato
Mode	(1 GHz -10 GHz)	(10 GHz -18 GHz)	(18 GHz -26.5 GHz)	(26.5 GHz – 40 GHz)
	Tx 11ax-80 (OFDM), 5775 MHz			

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	11550.000	PK	47.24	38.34	10.03	42.56	-9.54	43.51	73.9	30.3	150	0	-
Hori.	11550.000	AV	35.71	38.34	10.03	42.56	-9.54	31.98	53.9	21.9	150	0	Floor Noise
Vert.	11550.000	PK	48.07	38.34	10.03	42.56	-9.54	44.34	73.9	29.5	150	0	-
Vert.	11550.000	AV	35.04	38.34	10.03	42.56	-9.54	31.31	53.9	22.5	150	0	Floor Noise

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.82	32.44	17.06	43.44	2.49	58.37	-36.86	-27.0	9.8	100	139	-
Hori.	5700.000	PK	50.51	32.56	17.08	43.43	2.49	59.21	-36.02	10.0	46.0	100	139	-
Hori.	5720.000	PK	52.23	32.61	17.09	43.42	2.49	61.00	-34.23	15.6	49.8	100	139	-
Hori.	5725.000	PK	51.56	32.63	17.10	43.42	2.49	60.36	-34.87	27.0	61.8	100	139	-
Hori.	5850.000	PK	50.52	32.94	17.17	43.39	2.49	59.73	-35.50	27.0	62.5	100	139	-
Hori.	5855.000	PK	50.54	32.95	17.17	43.39	2.49	59.76	-35.47	15.6	51.0	100	139	-
Hori.	5875.000	PK	49.95	32.98	17.21	43.39	2.49	59.24	-35.99	10.0	45.9	100	139	-
Hori.	5925.000	PK	50.03	33.06	17.23	43.38	2.49	59.43	-35.80	-27.0	8.8	100	139	-
Hori.	17325.000	PK	47.27	40.18	12.78	40.28	-9.54	50.41	-44.82	-27.0	17.8	150	0	-
Vert.	5650.000	PK	49.09	32.44	17.06	43.44	2.49	57.64	-37.59	-27.0	10.5	218	104	-
Vert.	5700.000	PK	49.24	32.56	17.08	43.43	2.49	57.94	-37.29	10.0	47.2	218	104	-
Vert.	5720.000	PK	50.12	32.61	17.09	43.42	2.49	58.89	-36.34	15.6	51.9	218	104	-
Vert.	5725.000	PK	50.21	32.63	17.10	43.42	2.49	59.01	-36.22	27.0	63.2	218	104	-
Vert.	5850.000	PK	49.93	32.94	17.17	43.39	2.49	59.14	-36.09	27.0	63.0	218	104	-
Vert.	5855.000	PK	49.59	32.95	17.17	43.39	2.49	58.81	-36.42	15.6	52.0	218	104	-
Vert.	5875.000	PK	49.65	32.98	17.21	43.39	2.49	58.94	-36.29	10.0	46.2	218	104	-
Vert.	5925.000	PK	48.90	33.06	17.23	43.38	2.49	58.30	-36.93	-27.0	9.9	218	104	-
Vert.	17325.000	PK	48.23	40.18	12.78	40.28	-9.54	51.37	-43.86	-27.0	16.8	150	0	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \text{LOG}((10^{\wedge}(\text{Electric Field Strength [dBuV/m]} / 20)) * 10^{\wedge}(-6)) * \text{Distance} : 3\text{ [m]}^{\wedge}2 / 30 * 10^{\wedge}3)$

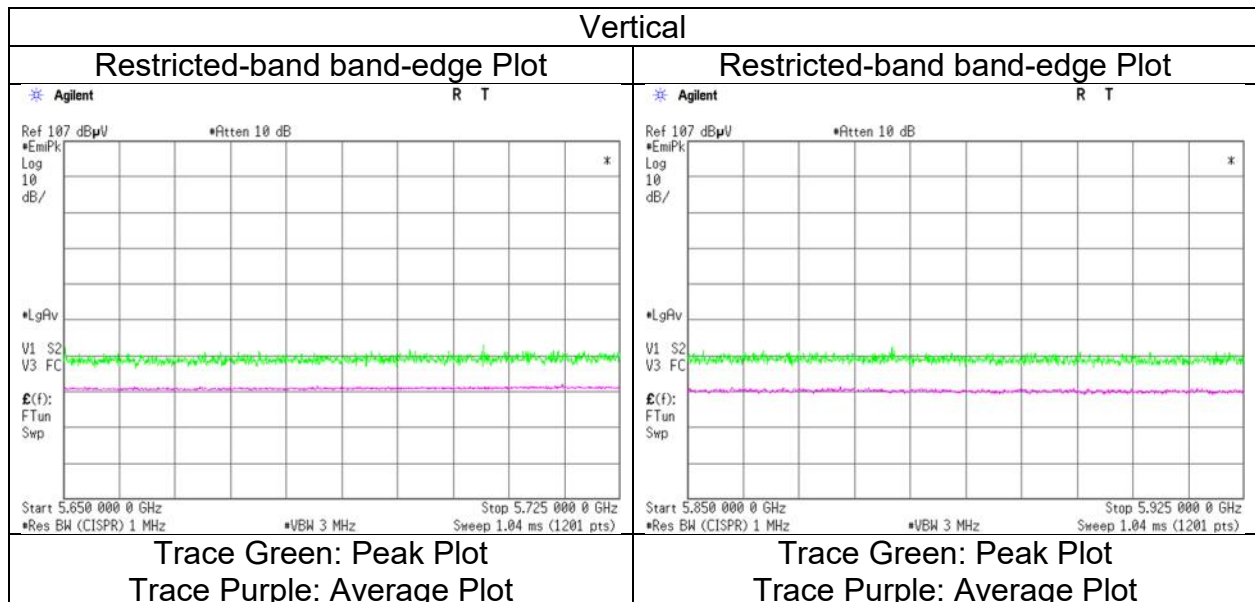
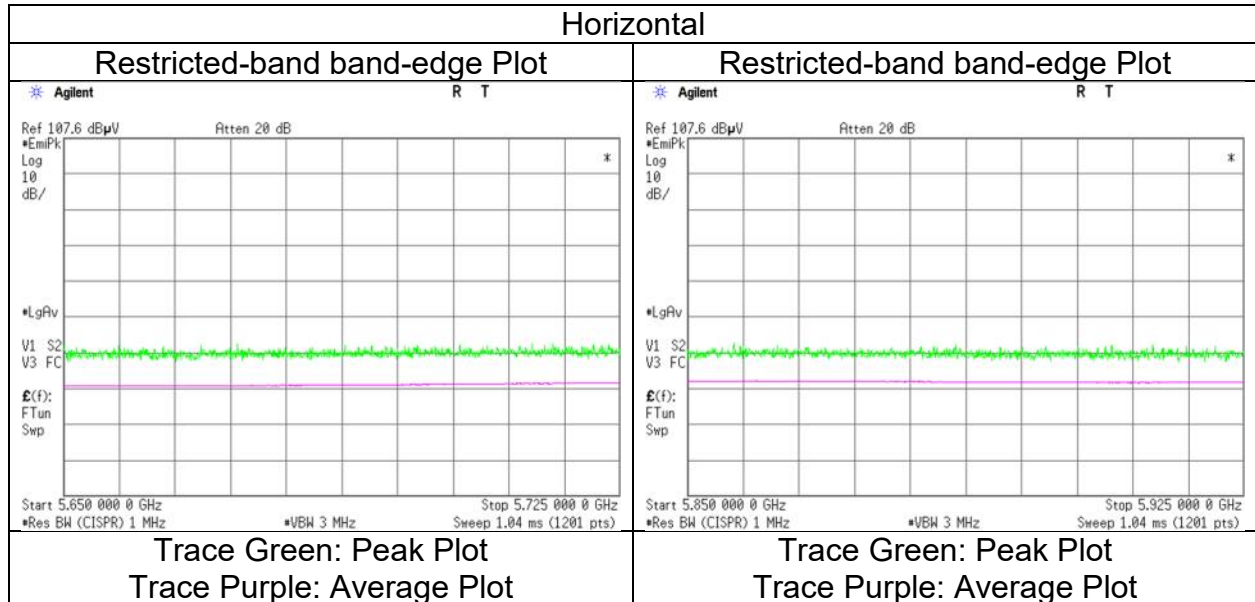
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	June 19, 2023
Temperature / Humidity	23 deg.C, 51 %RH
Engineer	Hiromasa Sato
Mode	Tx 11ax-80 (OFDM), 5775 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date October 2, 2023
Temperature / Humidity 24 deg. C / 53 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 5210 MHz

RU Index 0

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.50	32.16	16.71	43.07	2.49	57.79	73.9	16.1	177	121	-
Hori.	5150.000	AV	36.99	32.16	16.71	43.07	2.49	45.28	53.9	8.6	177	121	VBW:10 Hz
Vert.	5150.000	PK	49.98	32.16	16.71	43.07	2.49	58.27	73.9	15.6	199	140	-
Vert.	5150.000	AV	36.77	32.16	16.71	43.07	2.49	45.06	53.9	8.8	199	140	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

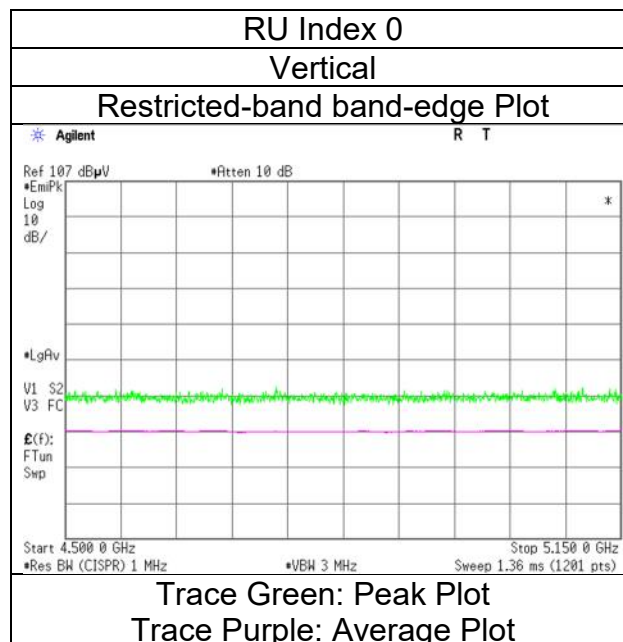
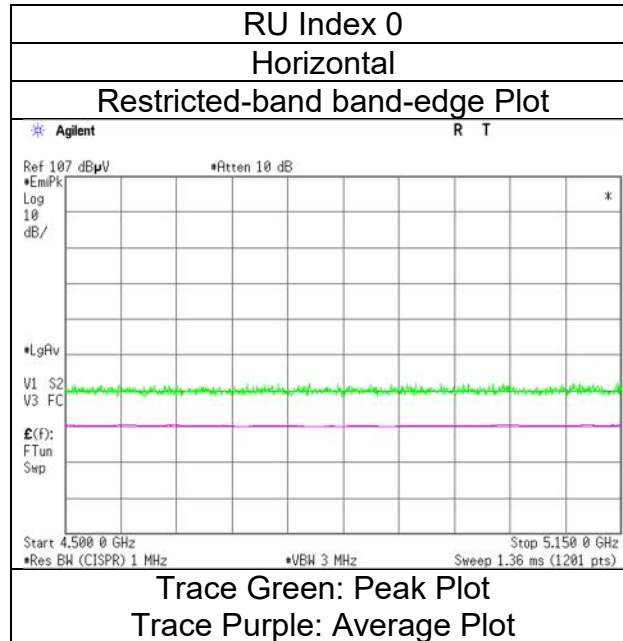
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	October 2, 2023
Temperature / Humidity	24 deg. C / 53 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 26-tone RU, 5210 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 21, 2023
Temperature / Humidity 23 deg. C / 46 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 5210 MHz

RU Index 37

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.91	32.16	16.71	43.07	2.49	58.20	73.9	15.7	147	122	-
Hori.	5150.000	AV	36.77	32.16	16.71	43.07	2.49	45.06	53.9	8.8	147	122	VBW: 10 Hz
Vert.	5150.000	PK	51.50	32.16	16.71	43.07	2.49	59.79	73.9	14.1	244	139	-
Vert.	5150.000	AV	36.74	32.16	16.71	43.07	2.49	45.03	53.9	8.8	244	139	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

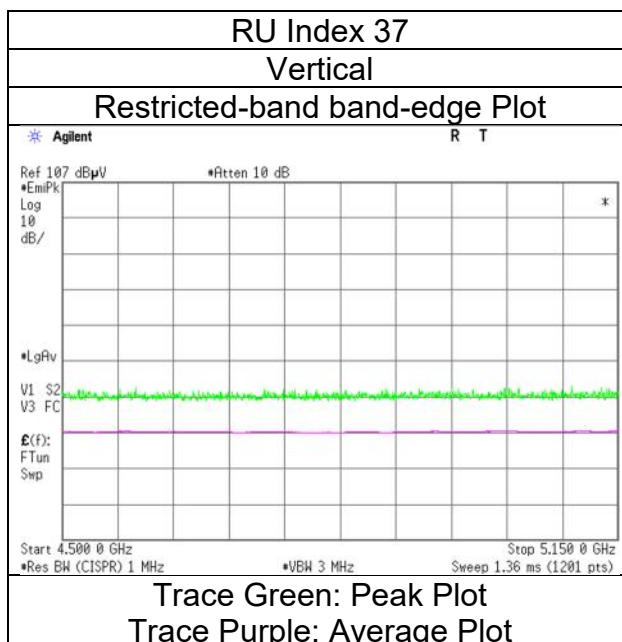
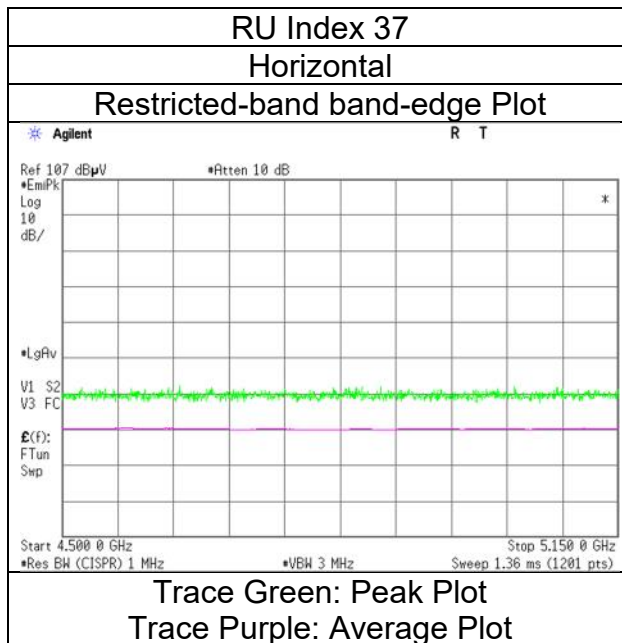
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 21, 2023
Temperature / Humidity	23 deg. C / 46 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 52-tone RU, 5210 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 21, 2023
Temperature / Humidity 23 deg. C / 46 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 5210 MHz

RU Index 53

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.04	32.16	16.71	43.07	2.49	57.33	73.9	16.5	145	122	-
Hori.	5150.000	AV	36.94	32.16	16.71	43.07	2.49	45.23	53.9	8.6	145	122	VBW: 10 Hz
Vert.	5150.000	PK	50.20	32.16	16.71	43.07	2.49	58.49	73.9	15.4	276	141	-
Vert.	5150.000	AV	37.03	32.16	16.71	43.07	2.49	45.32	53.9	8.5	276	141	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

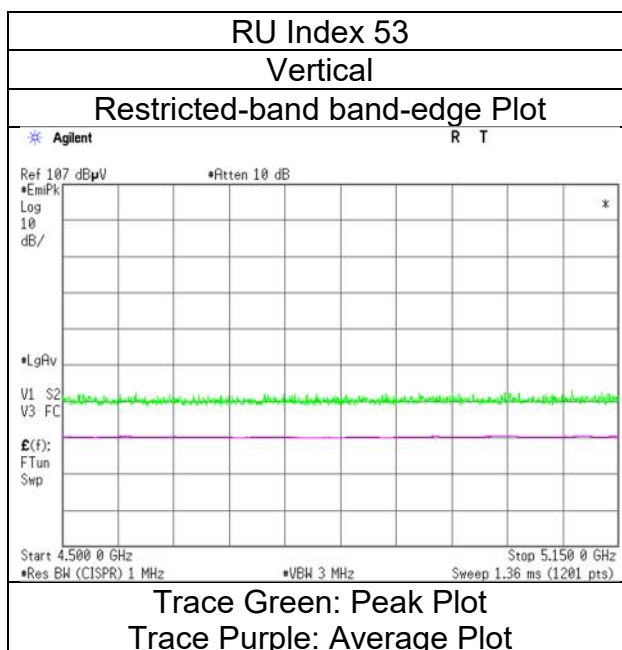
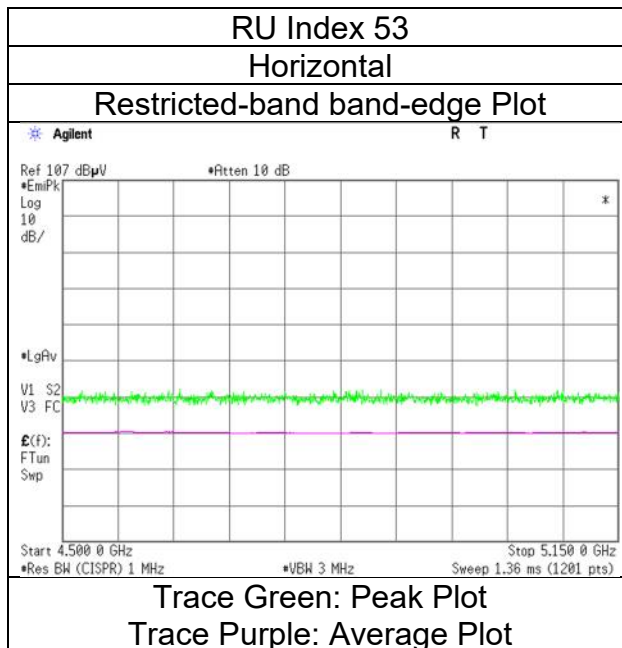
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
September 21, 2023
23 deg.C, 46 %RH
Kouki Yamada
Tx 11ax-80 (OFDMA) 106-tone RU, 5210 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 27, 2023
Temperature / Humidity 24 deg. C / 51 % RH
Engineer Yohsuke Matsuzawa
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 242-tone RU, 5210 MHz

RU Index 61

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.71	32.16	16.71	43.07	2.49	58.00	73.9	15.9	143	124	-
Hori.	5150.000	AV	36.77	32.16	16.71	43.07	2.49	45.06	53.9	8.8	143	124	VBW: 10 Hz
Vert.	5150.000	PK	49.52	32.16	16.71	43.07	2.49	57.81	73.9	16.0	244	142	-
Vert.	5150.000	AV	37.32	32.16	16.71	43.07	2.49	45.61	53.9	8.2	244	142	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

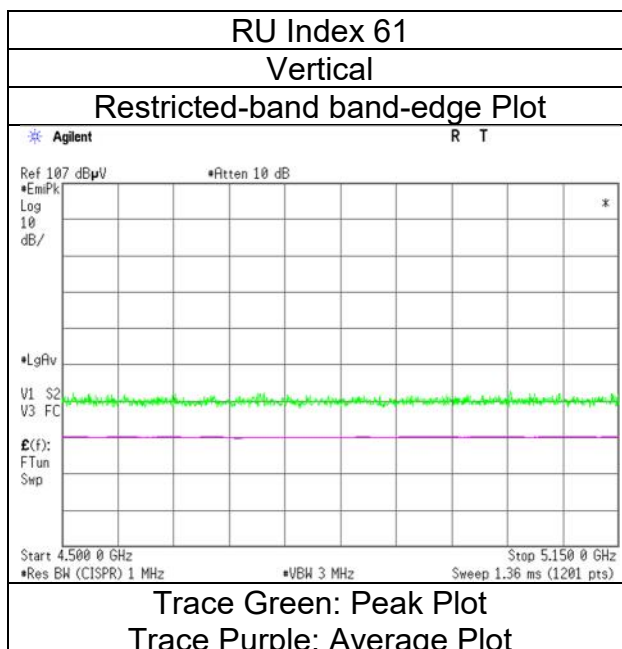
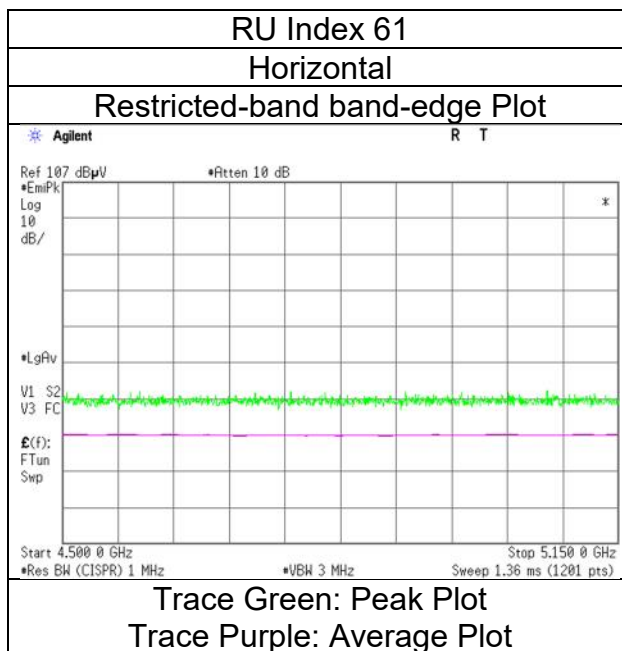
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 27, 2023
Temperature / Humidity	24 deg. C / 51 % RH
Engineer	Yohsuke Matsuzawa
Mode	Tx 11ax-80 (OFDMA) 242-tone RU, 5210 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 27, 2023
Temperature / Humidity 24 deg. C / 51 % RH
Engineer Yohsuke Matsuzawa
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 484-tone RU, 5210 MHz

RU Index 65

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.74	32.16	16.71	43.07	2.49	58.03	73.9	15.8	138	124	-
Hori.	5150.000	AV	37.09	32.16	16.71	43.07	2.49	45.38	53.9	8.5	138	124	VBW: 10 Hz
Vert.	5150.000	PK	49.20	32.16	16.71	43.07	2.49	57.49	73.9	16.4	257	146	-
Vert.	5150.000	AV	37.08	32.16	16.71	43.07	2.49	45.37	53.9	8.5	257	146	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

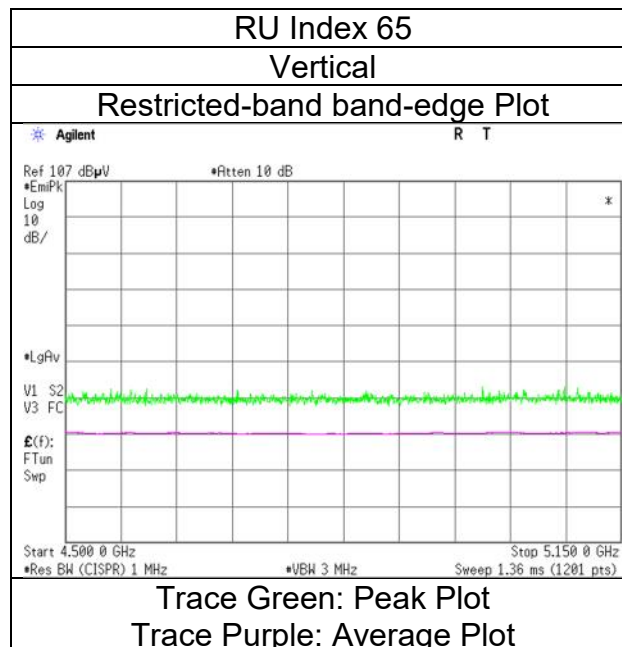
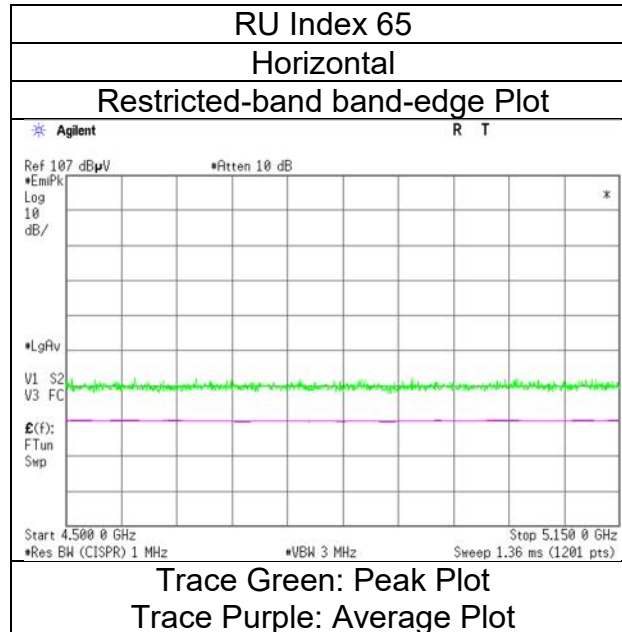
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 27, 2023
Temperature / Humidity	24 deg. C / 51 % RH
Engineer	Yohsuke Matsuzawa
Mode	Tx 11ax-80 (OFDMA) 484-tone RU, 5210 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 1
Date September 25, 2023
Temperature / Humidity 22 deg. C / 54 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 996-tone RU, 5210 MHz

RU Index 67

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	46.31	31.85	17.57	39.67	2.49	58.55	73.9	15.3	180	123	-
Hori.	5150.000	AV	35.20	31.85	17.57	39.67	2.49	47.44	53.9	6.4	180	123	VBW:1.5 kHz
Vert.	5150.000	PK	46.71	31.85	17.57	39.67	2.49	58.95	73.9	14.9	241	232	-
Vert.	5150.000	AV	35.07	31.85	17.57	39.67	2.49	47.31	53.9	6.5	241	232	VBW:1.5 kHz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

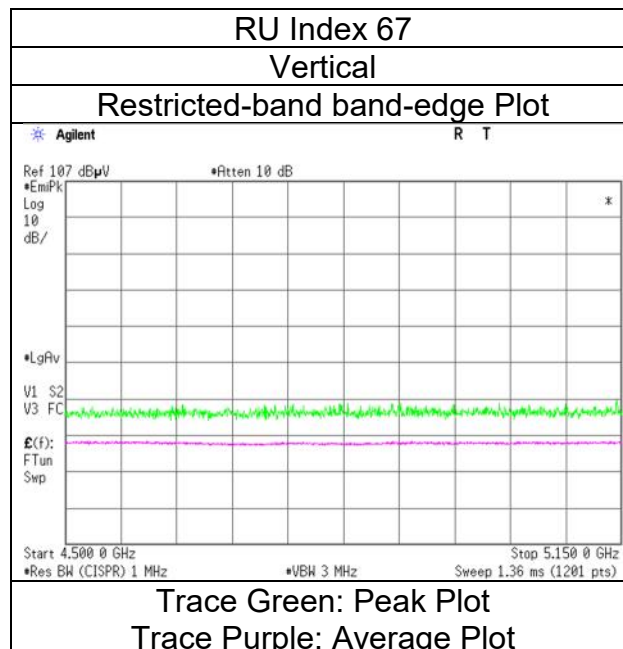
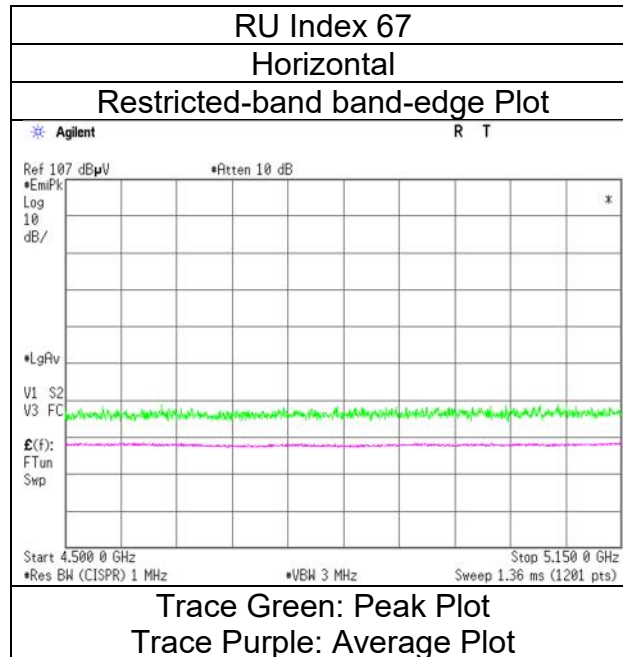
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 1
Date	September 25, 2023
Temperature / Humidity	22 deg. C / 54 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 996-tone RU, 5210 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date October 2, 2023
Temperature / Humidity 24 deg. C / 53 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 5290 MHz

RU Index 36

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	50.28	31.98	16.84	43.30	2.49	58.29	73.9	15.6	186	123	-
Hori.	5350.000	AV	37.56	31.98	16.84	43.30	2.49	45.57	53.9	8.3	186	123	VBW:10 Hz
Vert.	5350.000	PK	49.54	31.98	16.84	43.30	2.49	57.55	73.9	16.3	176	142	-
Vert.	5350.000	AV	35.85	31.98	16.84	43.30	2.49	43.86	53.9	10.0	176	142	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

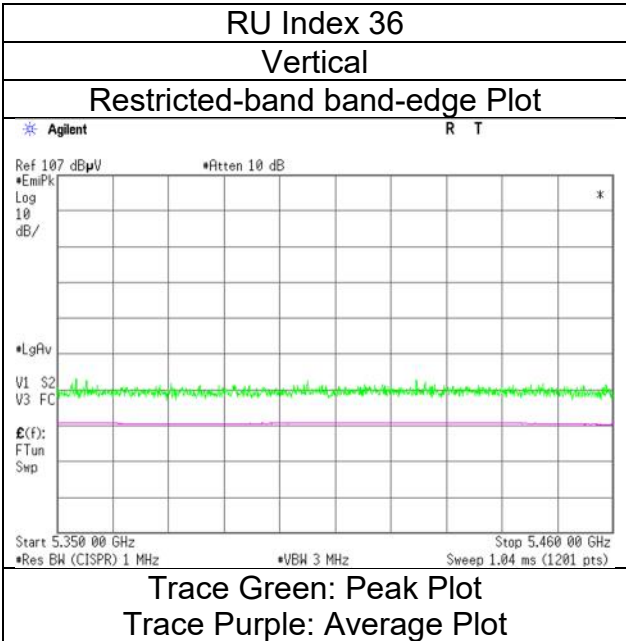
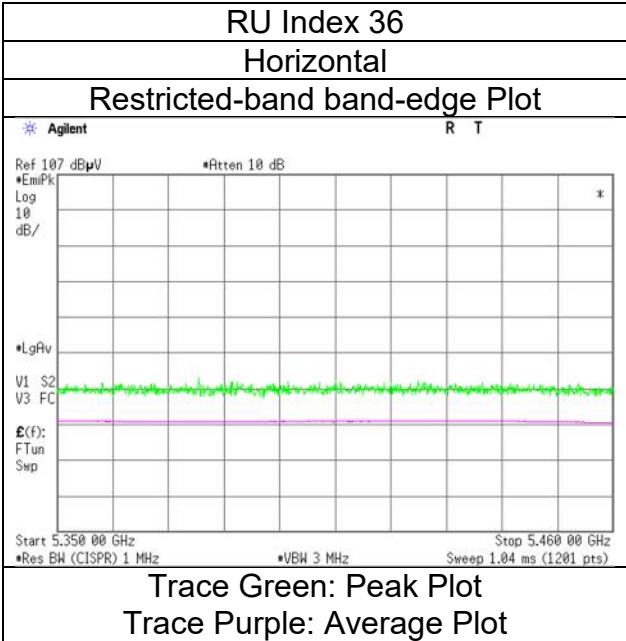
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	October 2, 2023
Temperature / Humidity	24 deg. C / 53 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 26-tone RU, 5290 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 21, 2023
Temperature / Humidity 23 deg. C / 46 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 5290 MHz

RU Index 52

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	50.15	31.98	16.84	43.30	2.49	58.16	73.9	15.7	154	122	-
Hori.	5350.000	AV	37.35	31.98	16.84	43.30	2.49	45.36	53.9	8.5	154	122	VBW: 10 Hz
Vert.	5350.000	PK	51.18	31.98	16.84	43.30	2.49	59.19	73.9	14.7	249	229	-
Vert.	5350.000	AV	37.27	31.98	16.84	43.30	2.49	45.28	53.9	8.6	249	229	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

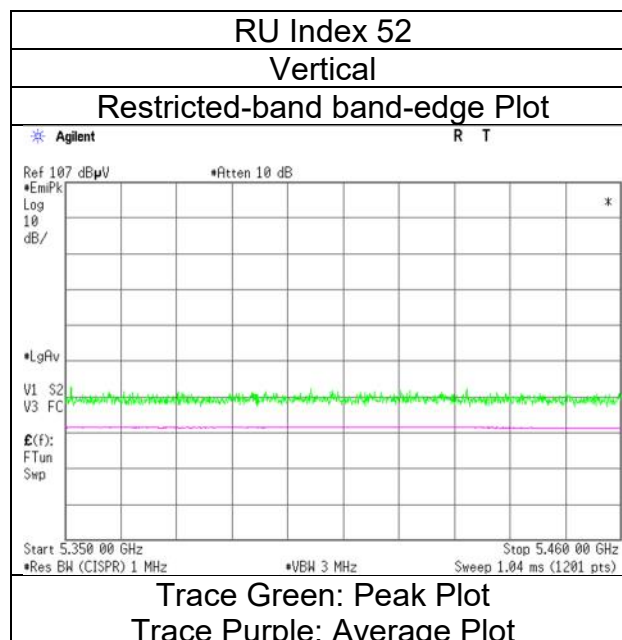
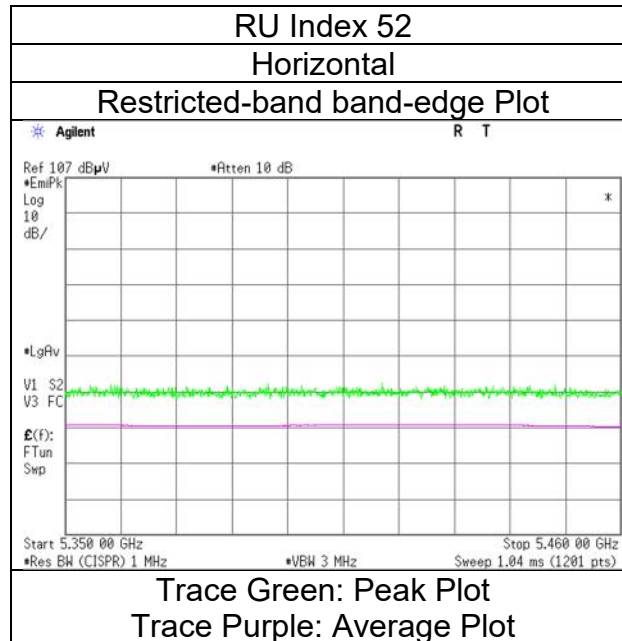
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
September 21, 2023
23 deg.C, 46 %RH
Kouki Yamada
Tx 11ax-80 (OFDMA) 52-tone RU, 5290 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 21, 2023
Temperature / Humidity 23 deg.C, 46 %RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 5290 MHz

RU Index 60

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	50.04	31.98	16.84	43.30	2.49	58.05	73.9	15.8	151	123	-
Hori.	5350.000	AV	37.58	31.98	16.84	43.30	2.49	45.59	53.9	8.3	151	123	VBW: 10 Hz
Vert.	5350.000	PK	50.71	31.98	16.84	43.30	2.49	58.72	73.9	15.1	278	145	-
Vert.	5350.000	AV	37.55	31.98	16.84	43.30	2.49	45.56	53.9	8.3	278	145	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

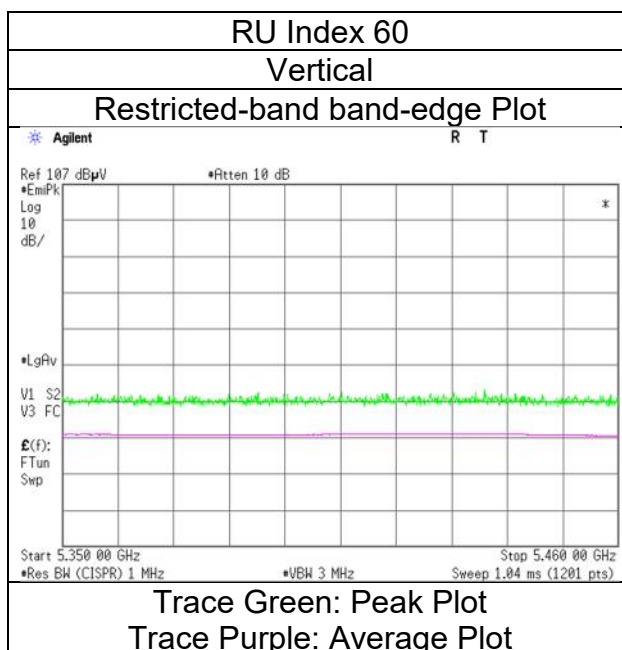
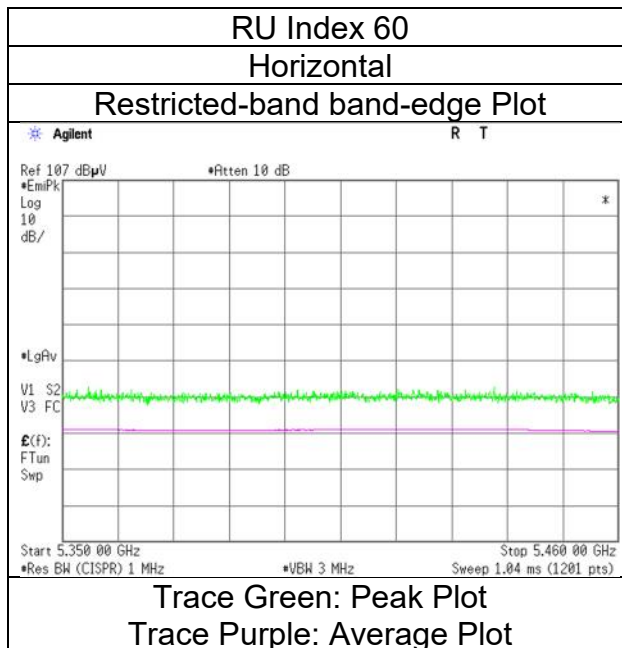
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
September 21, 2023
23 deg.C, 46 %RH
Kouki Yamada
Tx 11ax-80 (OFDMA) 106-tone RU, 5290 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 27, 2023
Temperature / Humidity 24 deg. C / 51 % RH
Engineer Yohsuke Matsuzawa
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 242-tone RU, 5290 MHz

RU Index 64

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	50.49	31.98	16.84	43.30	2.49	58.50	73.9	15.4	183	125	-
Hori.	5350.000	AV	37.72	31.98	16.84	43.30	2.49	45.73	53.9	8.1	183	125	VBW: 10 Hz
Vert.	5350.000	PK	50.07	31.98	16.84	43.30	2.49	58.08	73.9	15.8	264	143	-
Vert.	5350.000	AV	37.79	31.98	16.84	43.30	2.49	45.80	53.9	8.1	264	143	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

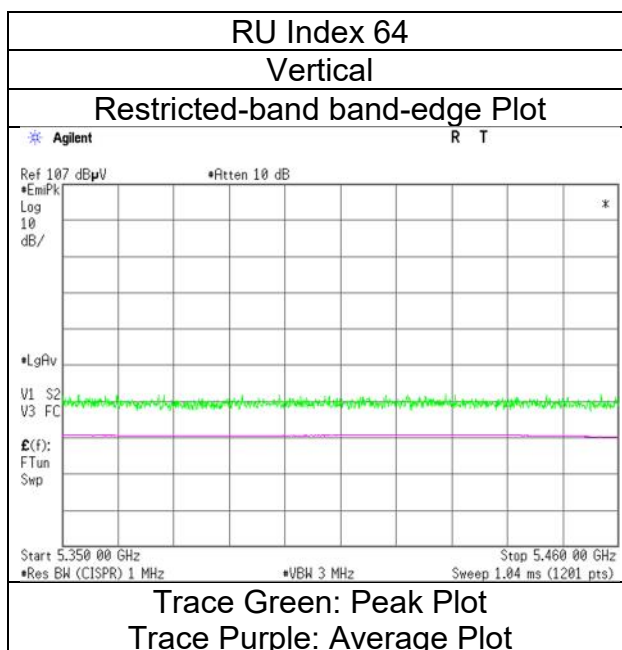
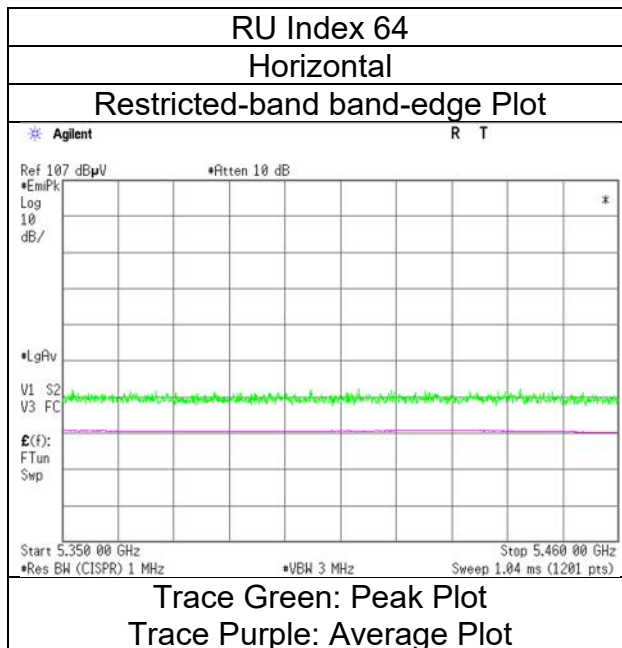
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 27, 2023
Temperature / Humidity	24 deg. C / 51 % RH
Engineer	Yohsuke Matsuzawa
Mode	Tx 11ax-80 (OFDMA) 242-tone RU, 5290 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 27, 2023
Temperature / Humidity 24 deg. C / 51 % RH
Engineer Yohsuke Matsuzawa
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 484-tone RU, 5290 MHz

RU Index 66

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	49.91	31.98	16.84	43.30	2.49	57.92	73.9	15.9	112	125	-
Hori.	5350.000	AV	37.35	31.98	16.84	43.30	2.49	45.36	53.9	8.5	112	125	VBW: 10 Hz
Vert.	5350.000	PK	50.03	31.98	16.84	43.30	2.49	58.04	73.9	15.8	280	148	-
Vert.	5350.000	AV	36.24	31.98	16.84	43.30	2.49	44.25	53.9	9.6	280	148	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

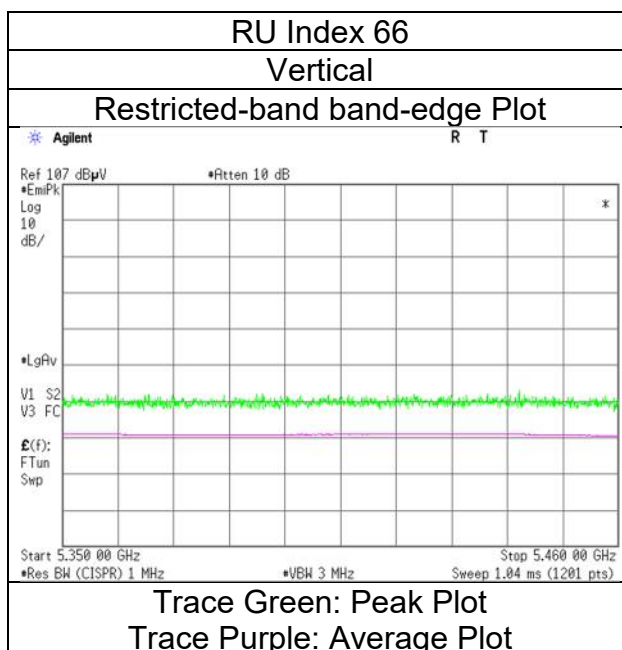
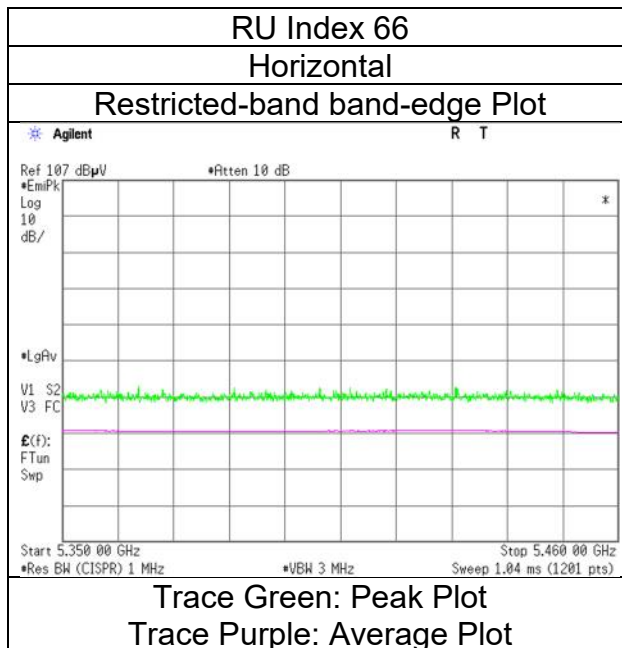
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 27, 2023
Temperature / Humidity	24 deg. C / 51 % RH
Engineer	Yohsuke Matsuzawa
Mode	Tx 11ax-80 (OFDMA) 484-tone RU, 5290 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 1
Date September 25, 2023
Temperature / Humidity 22 deg. C / 54 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 996-tone RU, 5290 MHz

RU Index 67

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	46.83	31.56	17.75	39.66	2.49	58.97	73.9	14.9	181	127	-
Hori.	5350.000	AV	35.29	31.56	17.75	39.66	2.49	47.43	53.9	6.4	181	127	VBW:1.5 kHz
Vert.	5350.000	PK	46.86	31.56	17.75	39.66	2.49	59.00	73.9	14.9	227	234	-
Vert.	5350.000	AV	35.13	31.56	17.75	39.66	2.49	47.27	53.9	6.6	227	234	VBW:1.5 kHz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

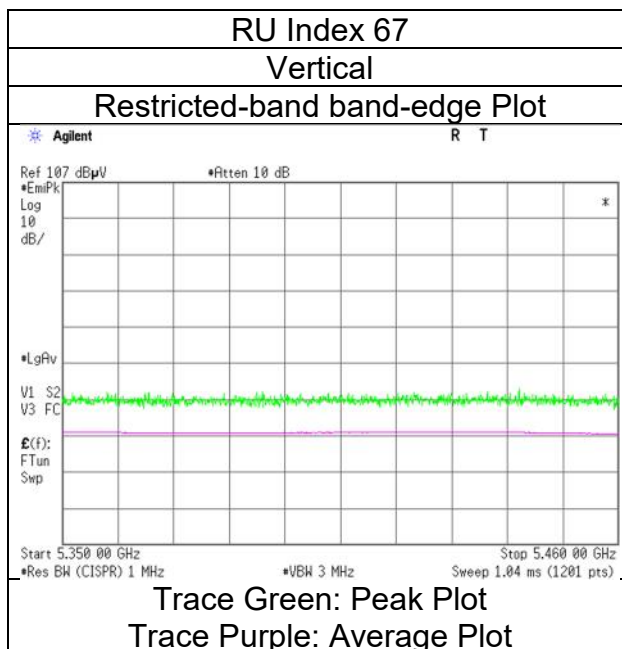
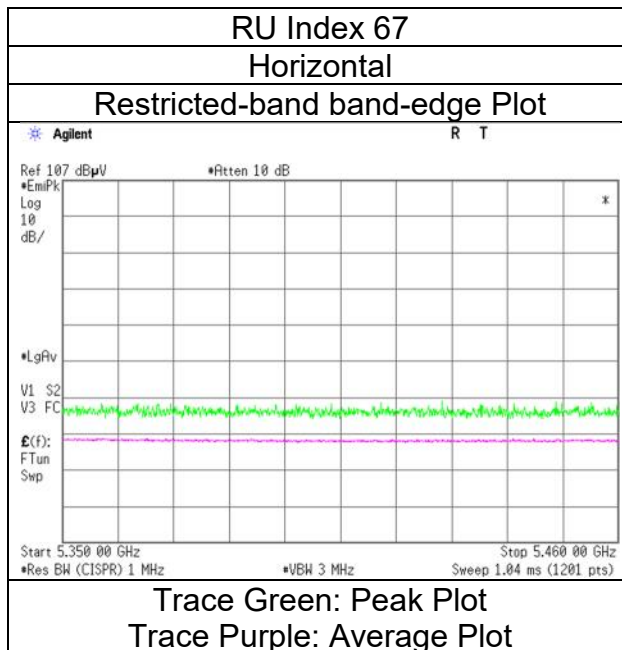
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 1
Date	September 25, 2023
Temperature / Humidity	22 deg. C / 54 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 996-tone RU, 5290 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date October 2, 2023
Temperature / Humidity 24 deg. C / 53 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 5530 MHz

RU Index 0

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	50.30	32.24	16.91	43.42	2.49	58.52	73.9	15.3	184	73	-
Hori.	5460.000	AV	37.21	32.24	16.91	43.42	2.49	45.43	53.9	8.4	184	73	VBW:10 Hz
Vert.	5460.000	PK	49.21	32.24	16.91	43.42	2.49	57.43	73.9	16.4	151	144	-
Vert.	5460.000	AV	37.08	32.24	16.91	43.42	2.49	45.30	53.9	8.6	151	144	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	51.19	32.25	16.92	43.44	2.49	59.41	-35.82	-27.0	8.8	184	73	-
Vert.	5470.000	PK	49.41	32.25	16.92	43.44	2.49	57.63	-37.60	-27.0	10.6	151	144	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \text{LOG} ((10^{(\text{Electric Field Strength [dBuV/m]} / 20)}) * 10^{(-6)} * \text{Distance} : 3\text{ [m]})^2 / 30 * 10^{(-3)}$

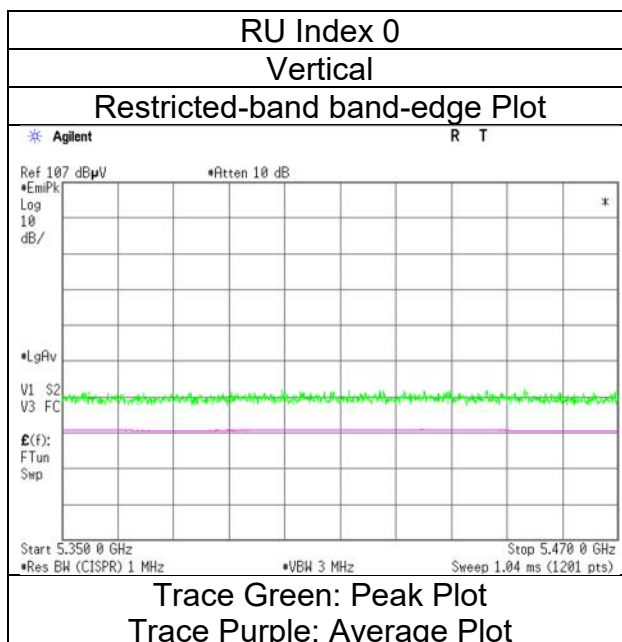
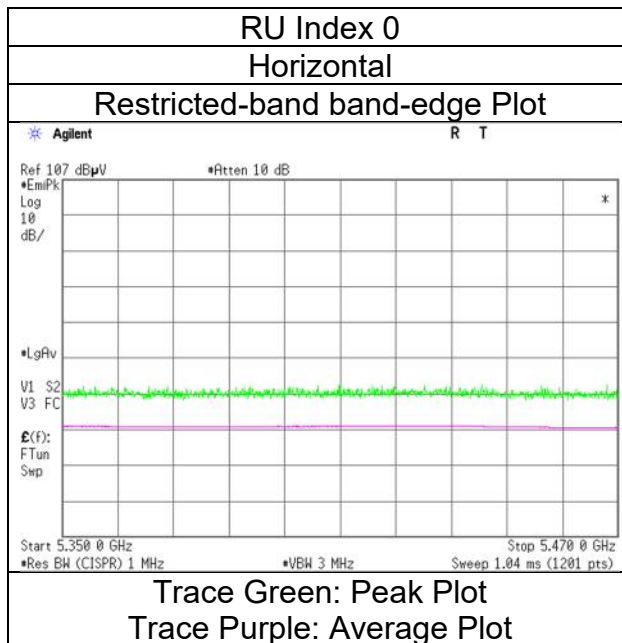
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	October 2, 2023
Temperature / Humidity	24 deg. C / 53 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 26-tone RU, 5530 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 21, 2023
Temperature / Humidity 23 deg. C / 46 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 5530 MHz

RU Index 37

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	49.38	32.24	16.91	43.42	2.49	57.60	73.9	16.3	160	128	-
Hori.	5460.000	AV	36.94	32.24	16.91	43.42	2.49	45.16	53.9	8.7	160	128	VBW: 10 Hz
Vert.	5460.000	PK	50.96	32.24	16.91	43.42	2.49	59.18	73.9	14.7	226	237	-
Vert.	5460.000	AV	36.98	32.24	16.91	43.42	2.49	45.20	53.9	8.7	226	237	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	49.52	32.25	16.92	43.44	2.49	57.74	-37.49	-27.0	10.4	160	128	-
Vert.	5470.000	PK	50.93	32.25	16.92	43.44	2.49	59.15	-36.08	-27.0	9.0	226	237	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \text{LOG} ((10^{(\text{Electric Field Strength [dBuV/m]} / 20)}) * 10^{(-6)} * \text{Distance} : 3\text{ [m]})^2 / 30 * 10^{-3}$

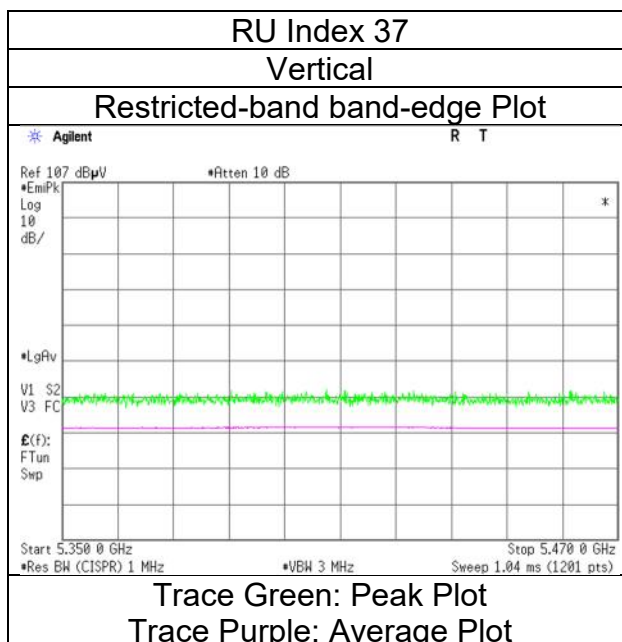
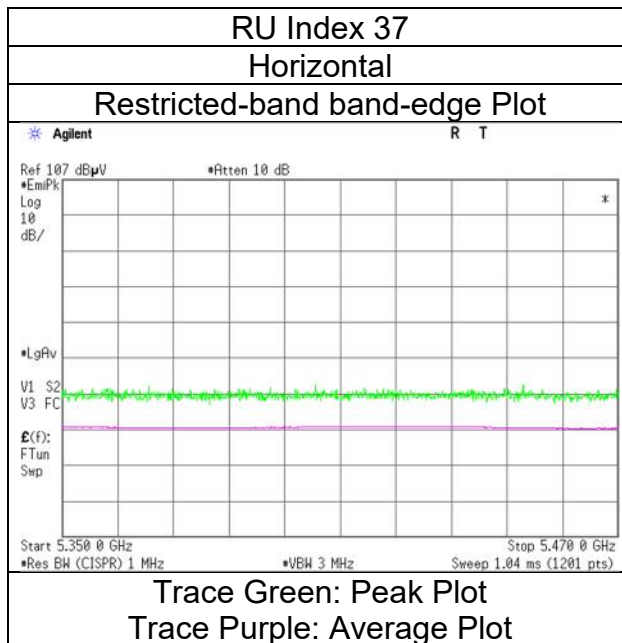
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 21, 2023
Temperature / Humidity	23 deg. C / 46 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 52-tone RU, 5530 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 21, 2023
Temperature / Humidity 23 deg. C / 46 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 5530 MHz

RU Index 53

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	49.05	32.24	16.91	43.42	2.49	57.27	73.9	16.6	153	124	-
Hori.	5460.000	AV	37.32	32.24	16.91	43.42	2.49	45.54	53.9	8.3	153	124	VBW: 10 Hz
Vert.	5460.000	PK	49.34	32.24	16.91	43.42	2.49	57.56	73.9	16.3	225	237	-
Vert.	5460.000	AV	37.25	32.24	16.91	43.42	2.49	45.47	53.9	8.4	225	237	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	49.20	32.25	16.92	43.44	2.49	57.42	-37.81	-27.0	10.8	153	124	-
Vert.	5470.000	PK	49.79	32.25	16.92	43.44	2.49	58.01	-37.22	-27.0	10.2	225	237	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \text{LOG} ((10^{(\text{Electric Field Strength [dBuV/m]} / 20)}) * 10^{(-6)} * \text{Distance} : 3\text{ [m]})^2 / 30 * 10^{-3}$

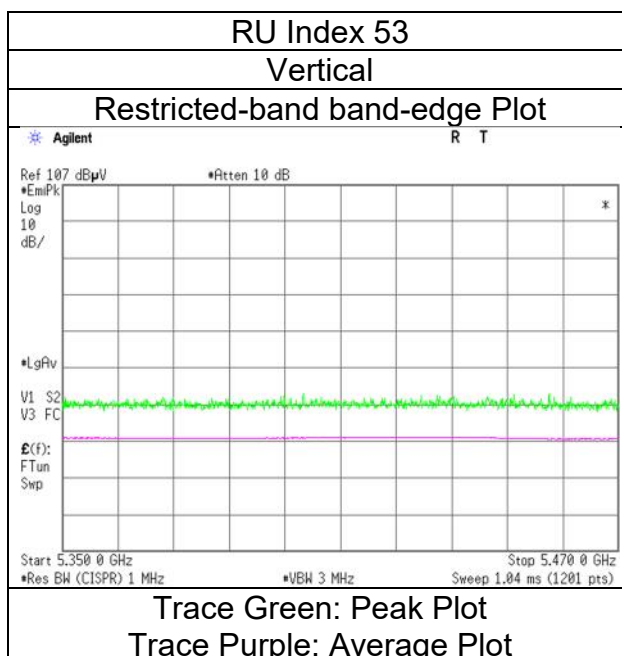
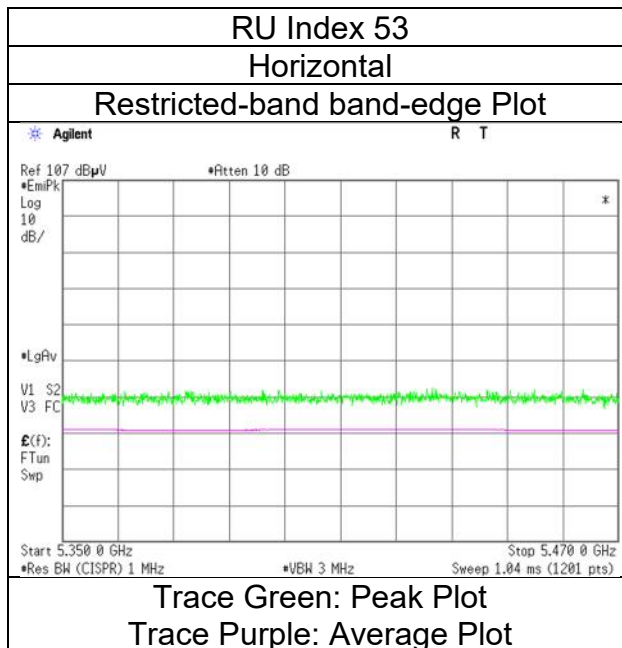
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 21, 2023
Temperature / Humidity	23 deg. C / 46 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 106-tone RU, 5530 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 27, 2023
Temperature / Humidity 23 deg. C / 41 % RH
Engineer Yohsuke Matsuzawa
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 242-tone RU, 5530 MHz

RU Index 61

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	49.86	32.24	16.91	43.42	2.49	58.08	73.9	15.8	141	128	-
Hori.	5460.000	AV	36.97	32.24	16.91	43.42	2.49	45.19	53.9	8.7	141	128	VBW: 10 Hz
Vert.	5460.000	PK	49.84	32.24	16.91	43.42	2.49	58.06	73.9	15.8	224	236	-
Vert.	5460.000	AV	37.01	32.24	16.91	43.42	2.49	45.23	53.9	8.6	224	236	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	49.39	32.25	16.92	43.44	2.49	57.61	-37.62	-27.0	10.6	141	128	-
Vert.	5470.000	PK	50.17	32.25	16.92	43.44	2.49	58.39	-36.84	-27.0	9.8	224	236	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \text{LOG} ((10^{(\text{Electric Field Strength [dBuV/m]} / 20)}) * 10^{(-6)} * \text{Distance} : 3\text{ [m]})^2 / 30 * 10^{(-3)}$

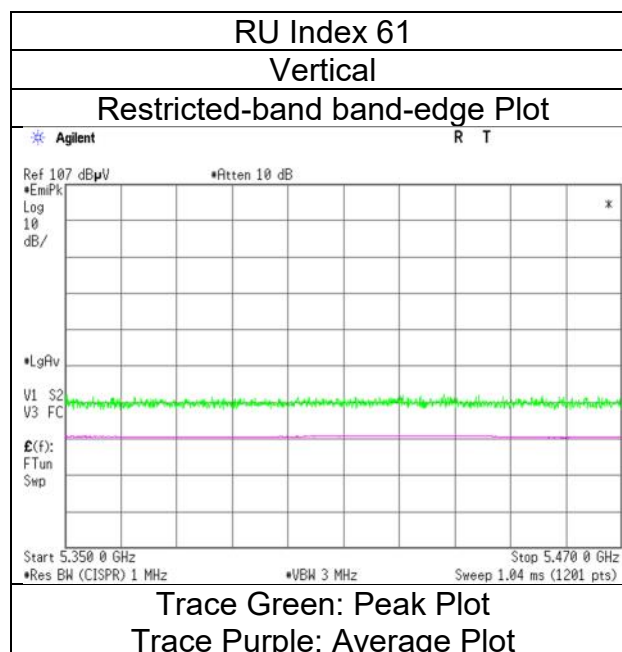
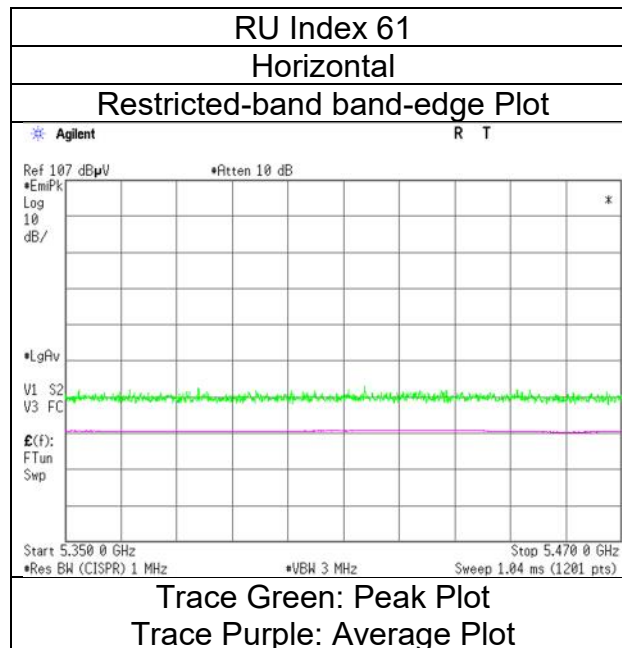
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 27, 2023
Temperature / Humidity	23 deg. C / 41 % RH
Engineer	Yohsuke Matsuzawa
Mode	Tx 11ax-80 (OFDMA) 242-tone RU, 5530 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 27, 2023
Temperature / Humidity 23 deg. C / 41 % RH
Engineer Yohsuke Matsuzawa
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 484-tone RU, 5530 MHz

RU Index 65

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	49.77	32.24	16.91	43.42	2.49	57.99	73.9	15.9	180	127	-
Hori.	5460.000	AV	37.07	32.24	16.91	43.42	2.49	45.29	53.9	8.6	180	127	VBW: 10 Hz
Vert.	5460.000	PK	50.39	32.24	16.91	43.42	2.49	58.61	73.9	15.2	237	237	-
Vert.	5460.000	AV	37.39	32.24	16.91	43.42	2.49	45.61	53.9	8.2	237	237	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	50.05	32.25	16.92	43.44	2.49	58.27	-36.96	-27.0	9.9	180	127	-
Vert.	5470.000	PK	49.53	32.25	16.92	43.44	2.49	57.75	-37.48	-27.0	10.4	237	237	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

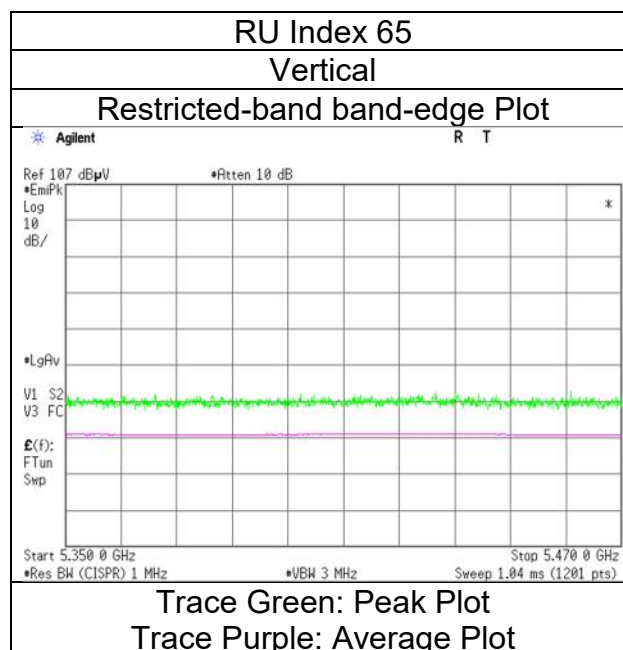
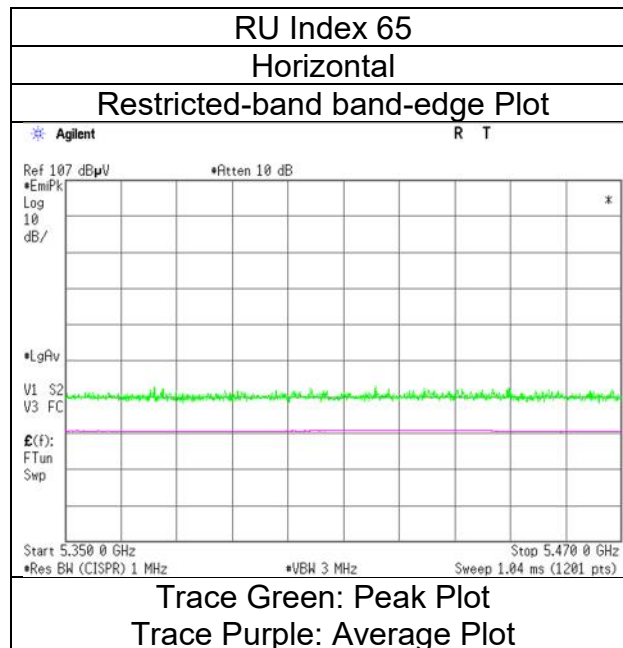
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 27, 2023
Temperature / Humidity	23 deg. C / 41 % RH
Engineer	Yohsuke Matsuzawa
Mode	Tx 11ax-80 (OFDMA) 484-tone RU, 5530 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 1
Date September 25, 2023
Temperature / Humidity 22 deg. C / 54 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 996-tone RU, 5530 MHz

RU Index 67

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	46.79	31.81	17.84	39.66	2.49	59.27	73.9	14.6	149	125	-
Hori.	5460.000	AV	35.43	31.81	17.84	39.66	2.49	47.91	53.9	5.9	149	125	VBW:1.5 kHz
Vert.	5460.000	PK	46.89	31.81	17.84	39.66	2.49	59.37	73.9	14.5	207	244	-
Vert.	5460.000	AV	35.42	31.81	17.84	39.66	2.49	47.90	53.9	6.0	207	244	VBW:1.5 kHz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	47.02	31.83	17.85	39.66	2.49	59.53	-35.70	-27.0	8.7	149	125	-
Vert.	5470.000	PK	48.18	31.83	17.85	39.66	2.49	60.69	-34.54	-27.0	7.5	207	244	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \text{LOG} ((10^{(\text{Electric Field Strength [dBuV/m]} / 20)}) * 10^{(-6)} * \text{Distance} : 3\text{ [m]}) ^2 / 30 * 10^{(-3)}$

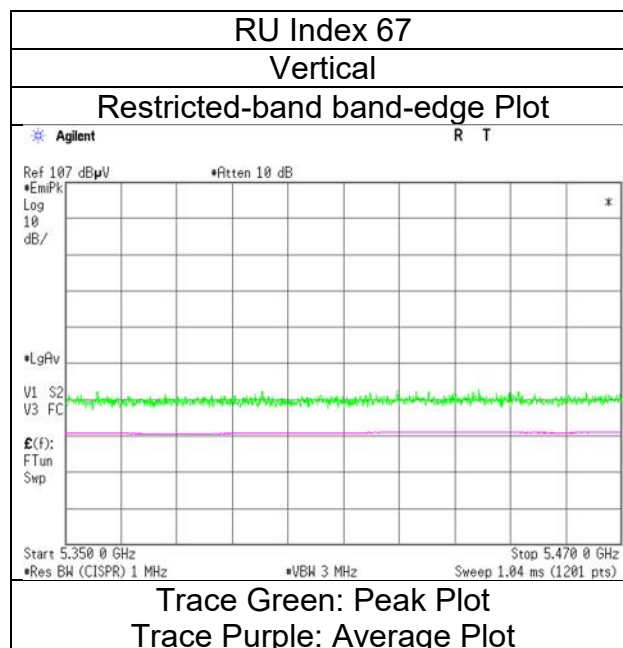
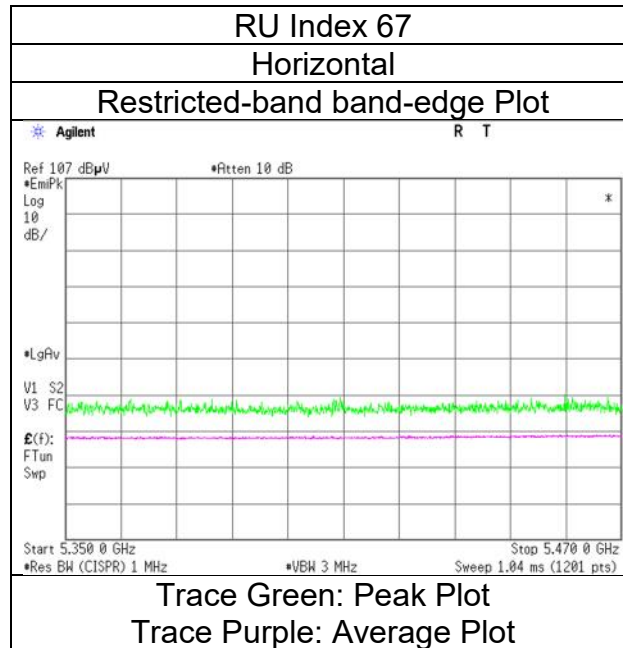
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 1
Date	September 25, 2023
Temperature / Humidity	22 deg. C / 54 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 996-tone RU, 5530 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date October 2, 2023
Temperature / Humidity 24 deg. C / 53 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 5610 MHz

RU Index 36

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	50.53	32.63	17.07	43.42	2.49	59.30	-35.93	-27.0	8.9	177	107	-
Vert.	5725.000	PK	50.19	32.63	17.07	43.42	2.49	58.96	-36.27	-27.0	9.2	169	111	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

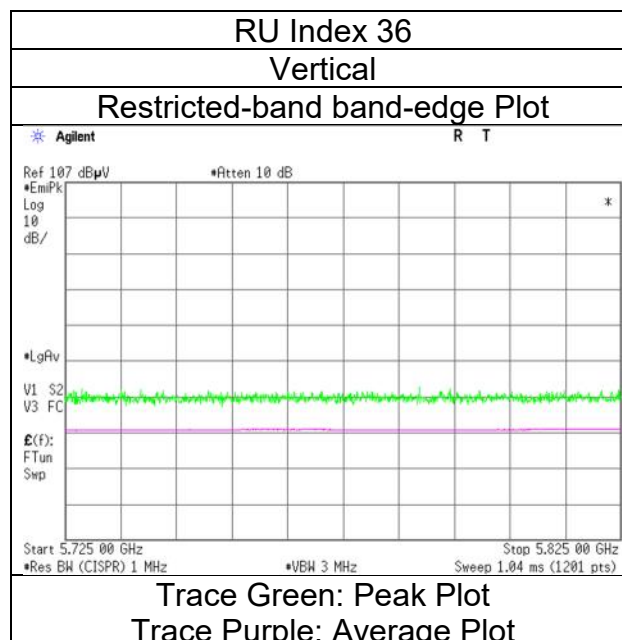
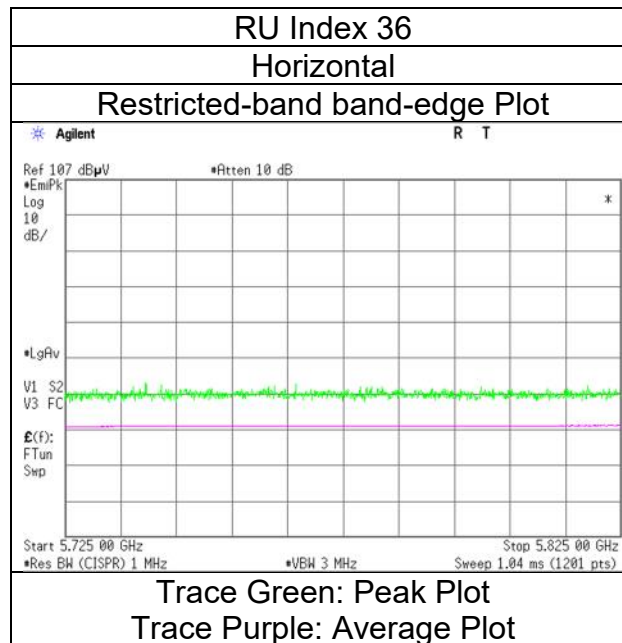
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	October 2, 2023
Temperature / Humidity	24 deg. C / 53 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 26-tone RU, 5610 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 21, 2023
Temperature / Humidity 23 deg. C / 46 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 5610 MHz

RU Index 52

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	49.85	32.63	17.07	43.42	2.49	58.62	-36.61	-27.0	9.6	134	127	-
Vert.	5725.000	PK	49.95	32.63	17.07	43.42	2.49	58.72	-36.51	-27.0	9.5	216	235	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+Attenuator or Filter)(below 18 GHz) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

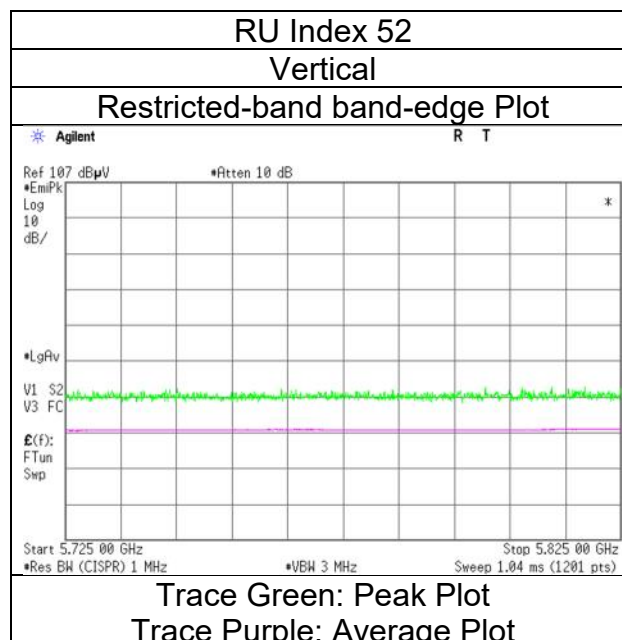
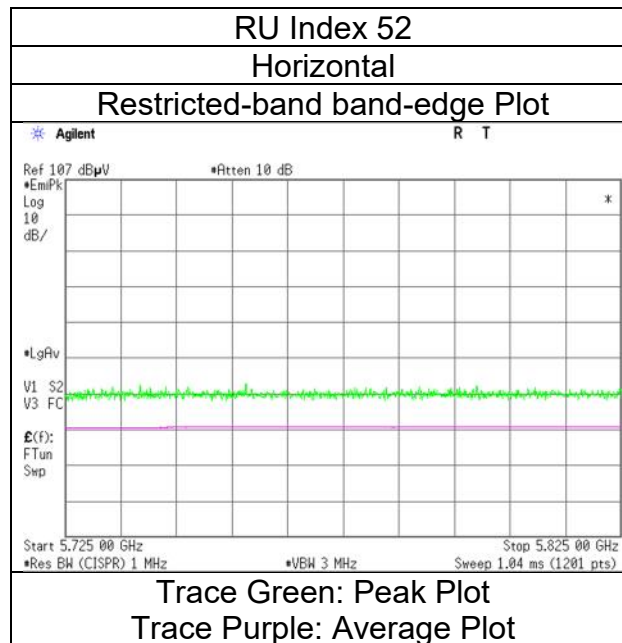
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 21, 2023
Temperature / Humidity	23 deg.C, 46 %RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 52-tone RU, 5610 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 21, 2023
Temperature / Humidity 23 deg.C, 46 %RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 5610 MHz

RU Index 60

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	50.38	32.63	17.07	43.42	2.49	59.15	-36.08	-27.0	9.0	133	128	-
Vert.	5725.000	PK	49.99	32.63	17.07	43.42	2.49	58.76	-36.47	-27.0	9.4	217	234	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

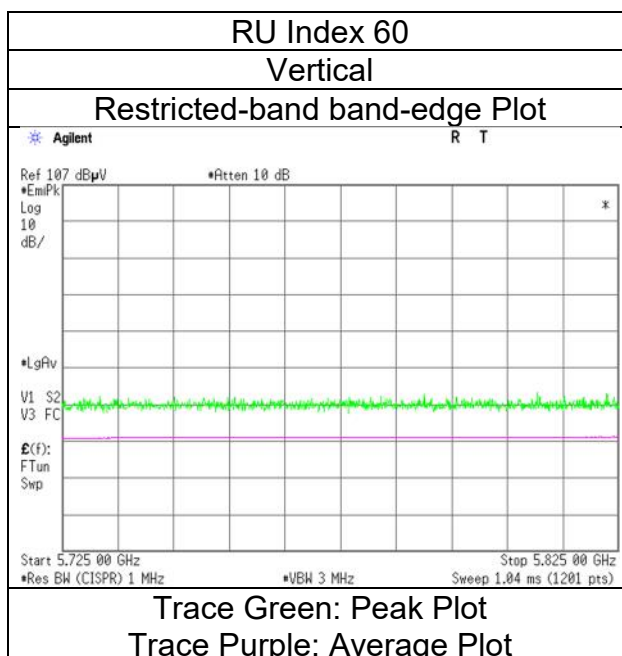
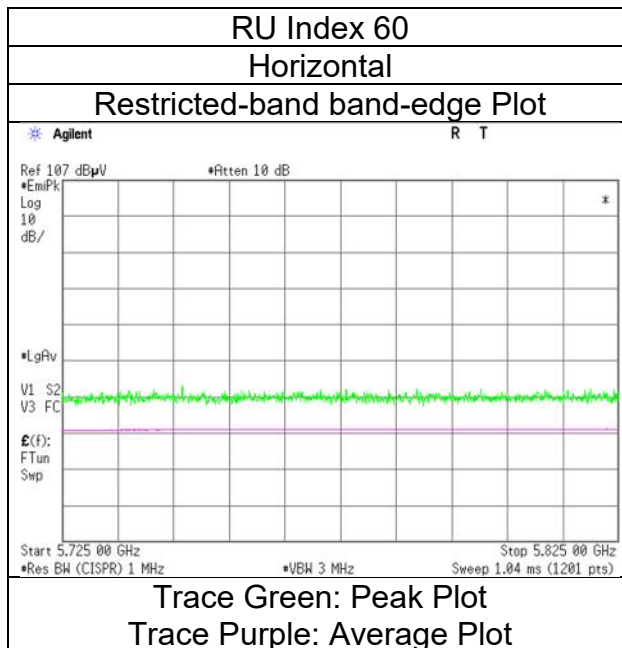
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
September 21, 2023
23 deg.C, 46 %RH
Kouki Yamada
Tx 11ax-80 (OFDMA) 106-tone RU, 5610 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 27, 2023
Temperature / Humidity 24 deg. C / 51 % RH
Engineer Yohsuke Matsuzawa
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 242-tone RU, 5610 MHz

RU Index 64

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	49.59	32.63	17.07	43.42	2.49	58.36	-36.87	-27.0	9.8	143	124	-
Vert.	5725.000	PK	49.85	32.63	17.07	43.42	2.49	58.62	-36.61	-27.0	9.6	259	234	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

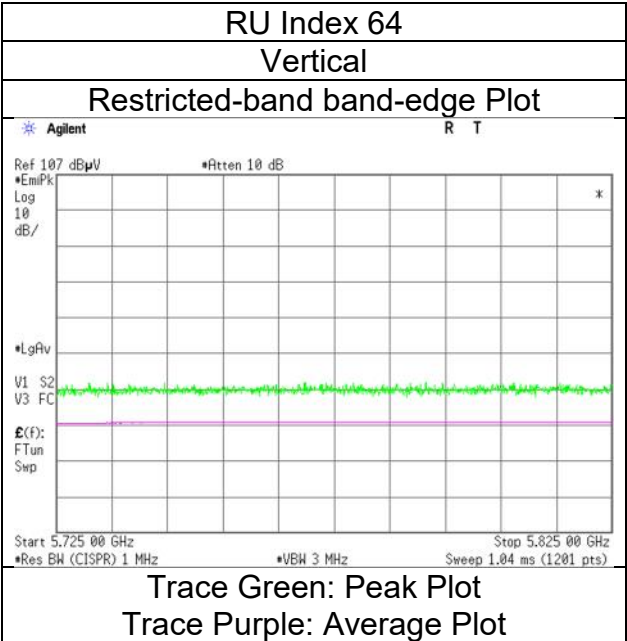
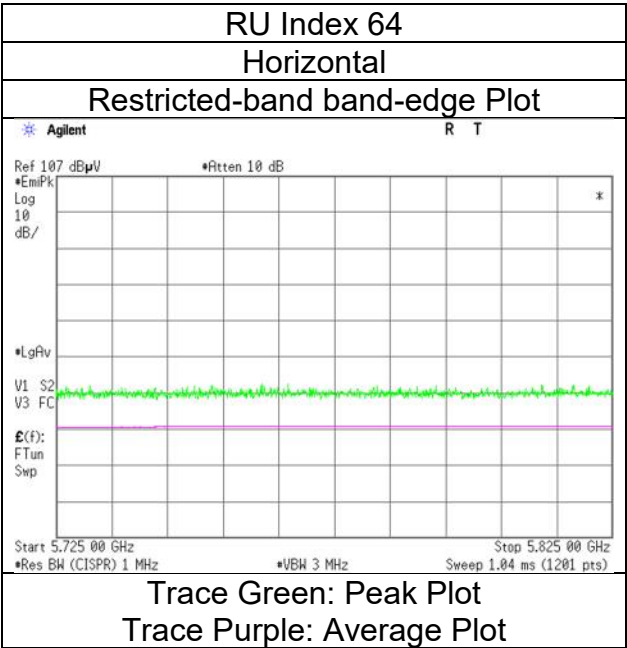
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 27, 2023
Temperature / Humidity	24 deg. C / 51 % RH
Engineer	Yohsuke Matsuzawa
Mode	Tx 11ax-80 (OFDMA) 242-tone RU, 5610 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 27, 2023
Temperature / Humidity 24 deg. C / 51 % RH
Engineer Yohsuke Matsuzawa
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 484-tone RU, 5610 MHz

RU Index 66

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	49.69	32.63	17.07	43.42	2.49	58.46	-36.77	-27.0	9.7	100	128	-
Vert.	5725.000	PK	49.70	32.63	17.07	43.42	2.49	58.47	-36.76	-27.0	9.7	232	233	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+Attenuator or Filter)(below 18 GHz) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

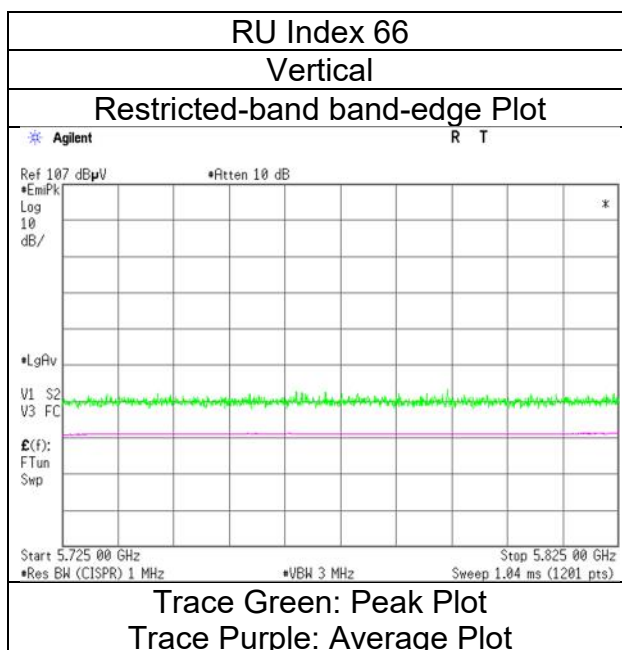
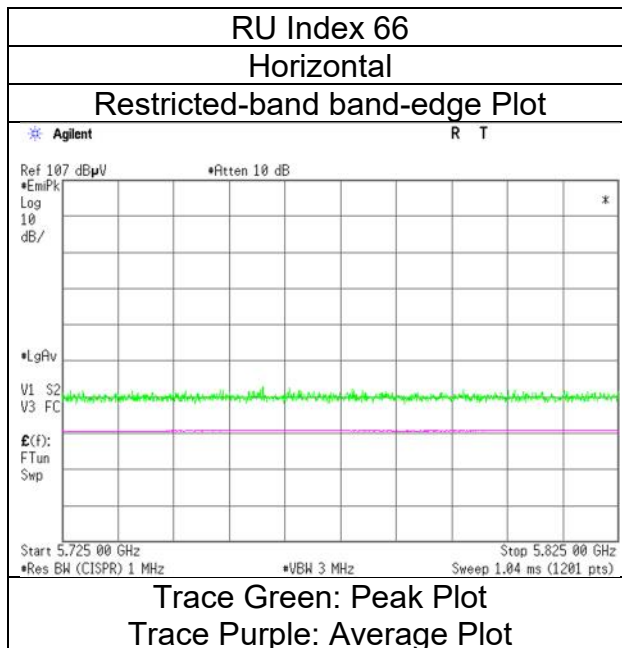
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 27, 2023
Temperature / Humidity	24 deg. C / 51 % RH
Engineer	Yohsuke Matsuzawa
Mode	Tx 11ax-80 (OFDMA) 484-tone RU, 5610 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 1
Date September 25, 2023
Temperature / Humidity 22 deg. C / 54 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 996-tone RU, 5610 MHz

RU Index 67

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	47.16	32.20	18.01	39.75	2.49	60.11	-35.12	-27.0	8.1	158	127	-
Vert.	5725.000	PK	46.13	32.20	18.01	39.75	2.49	59.08	-36.15	-27.0	9.1	206	244	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+Attenuator or Filter)(below 18 GHz) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

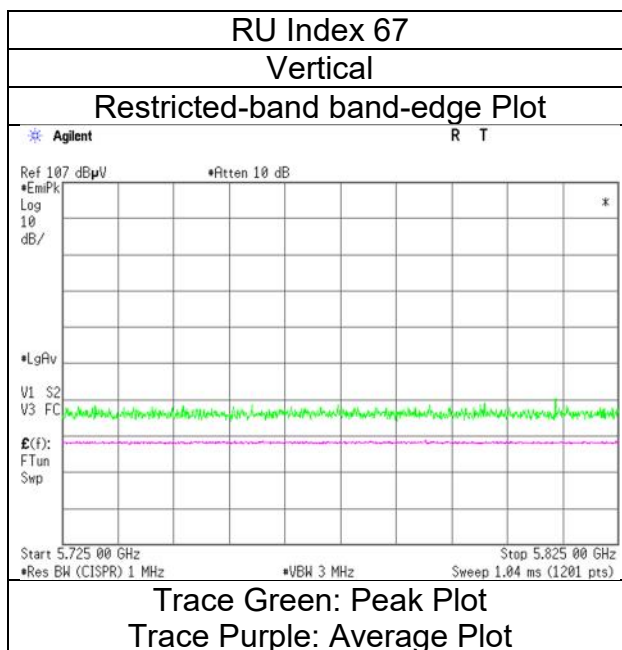
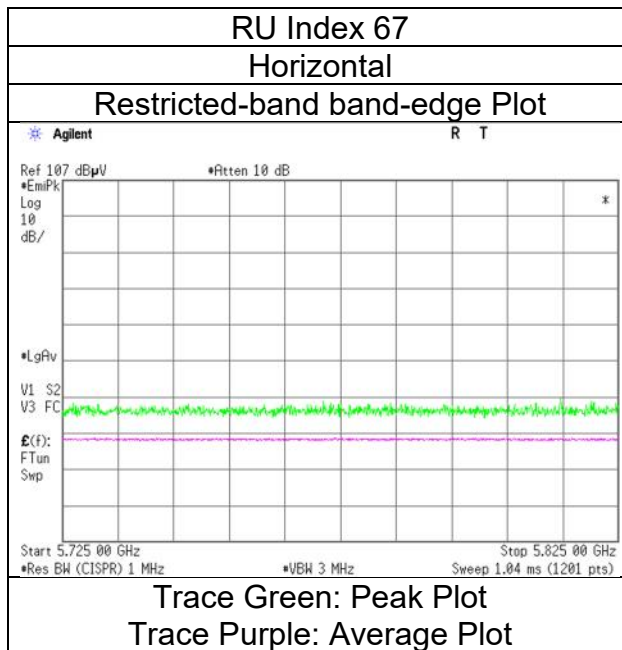
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 1
Date	September 25, 2023
Temperature / Humidity	22 deg. C / 54 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 996-tone RU, 5610 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date October 2, 2023
Temperature / Humidity 24 deg. C / 53 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 5775 MHz

RU Index 0

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	50.31	32.44	17.03	43.44	2.49	58.83	-36.40	-27.0	9.4	213	37	-
Hori.	5700.000	PK	50.18	32.56	17.05	43.43	2.49	58.85	-36.38	10.0	46.3	213	37	-
Hori.	5720.000	PK	51.22	32.61	17.06	43.42	2.49	59.96	-35.27	15.6	50.8	213	37	-
Hori.	5725.000	PK	50.76	32.63	17.07	43.42	2.49	59.53	-35.70	27.0	62.7	213	37	-
Vert.	5650.000	PK	50.35	32.44	17.03	43.44	2.49	58.87	-36.36	-27.0	9.3	222	103	-
Vert.	5700.000	PK	50.47	32.56	17.05	43.43	2.49	59.14	-36.09	10.0	46.0	222	103	-
Vert.	5720.000	PK	50.43	32.61	17.06	43.42	2.49	59.17	-36.06	15.6	51.6	222	103	-
Vert.	5725.000	PK	50.51	32.63	17.07	43.42	2.49	59.28	-35.95	27.0	62.9	222	103	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

RU Index 36

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	50.46	32.94	17.14	43.39	2.49	59.64	-35.59	27.0	62.5	220	41	-
Hori.	5855.000	PK	50.22	32.95	17.14	43.39	2.49	59.41	-35.82	15.6	51.4	220	41	-
Hori.	5875.000	PK	50.75	32.98	17.18	43.39	2.49	60.01	-35.22	10.0	45.2	220	41	-
Hori.	5925.000	PK	50.85	33.06	17.20	43.38	2.49	60.22	-35.01	-27.0	8.0	220	41	-
Vert.	5850.000	PK	50.49	32.94	17.14	43.39	2.49	59.67	-35.56	27.0	62.5	174	109	-
Vert.	5855.000	PK	50.56	32.95	17.14	43.39	2.49	59.75	-35.48	15.6	51.0	174	109	-
Vert.	5875.000	PK	50.75	32.98	17.18	43.39	2.49	60.01	-35.22	10.0	45.2	174	109	-
Vert.	5925.000	PK	50.88	33.06	17.20	43.38	2.49	60.25	-34.98	-27.0	7.9	174	109	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

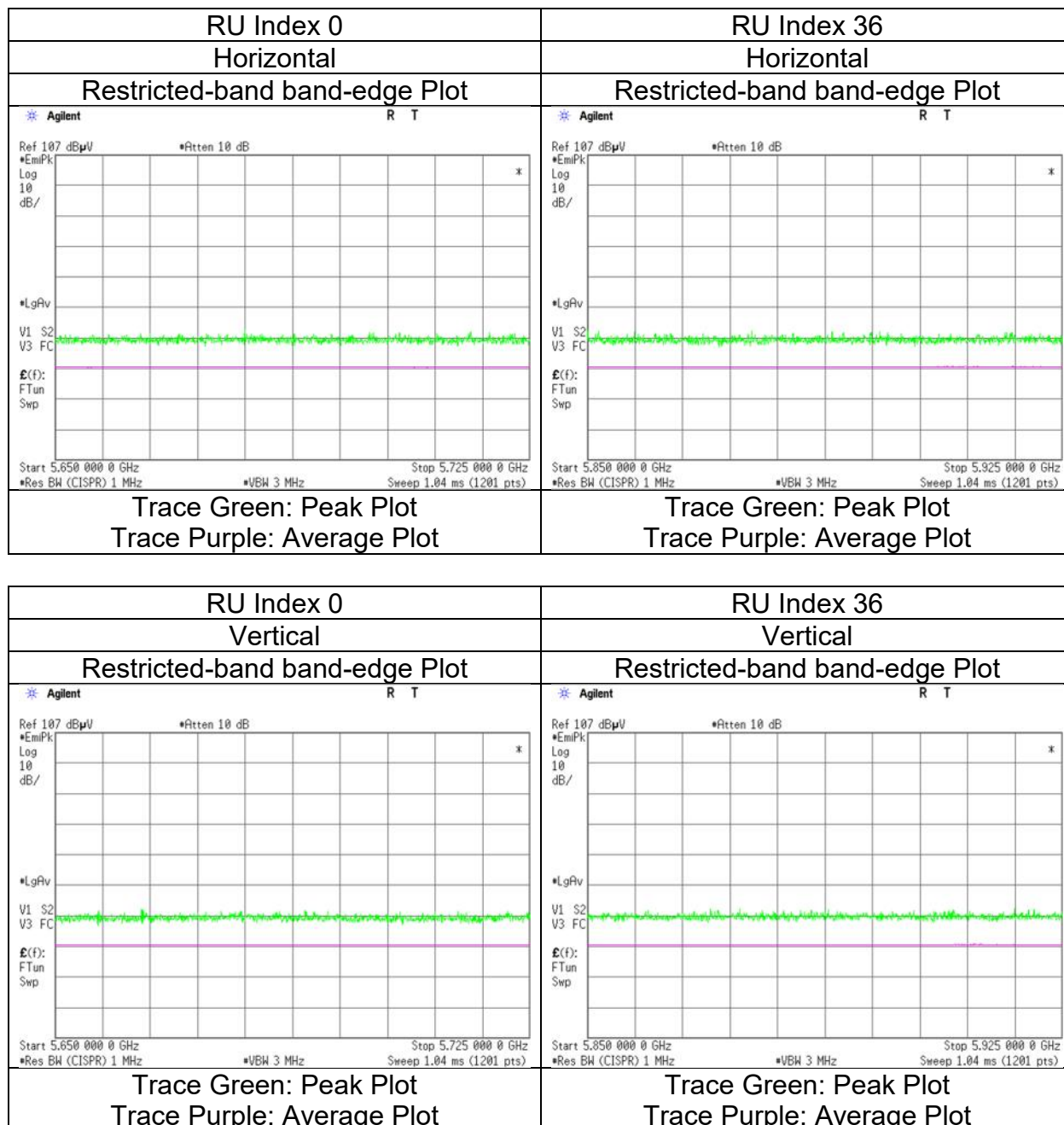
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	October 2, 2023
Temperature / Humidity	24 deg. C / 53 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 26-tone RU, 5775 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 21, 2023
Temperature / Humidity 23 deg. C / 46 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 5775 MHz

RU Index 37

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.78	32.44	17.03	43.44	2.49	58.30	-36.93	-27.0	9.9	172	127	-
Hori.	5700.000	PK	50.11	32.56	17.05	43.43	2.49	58.78	-36.45	10.0	46.4	172	127	-
Hori.	5715.000	PK	50.08	32.60	17.06	43.42	2.49	58.81	-36.42	14.2	50.6	172	127	-
Hori.	5720.000	PK	49.45	32.61	17.06	43.42	2.49	58.19	-37.04	15.6	52.6	172	127	-
Hori.	5725.000	PK	49.97	32.63	17.07	43.42	2.49	58.74	-36.49	27.0	63.4	172	127	-
Hori.	5850.000	PK	49.60	32.94	17.14	43.39	2.49	58.78	-36.45	27.0	63.4	172	127	-
Hori.	5855.000	PK	49.99	32.95	17.14	43.39	2.49	59.18	-36.05	15.6	51.6	172	127	-
Hori.	5860.000	PK	50.43	32.96	17.15	43.39	2.49	59.64	-35.59	14.2	49.7	172	127	-
Hori.	5875.000	PK	50.08	32.98	17.18	43.39	2.49	59.34	-35.89	10.0	45.8	172	127	-
Hori.	5925.000	PK	50.13	33.06	17.20	43.38	2.49	59.50	-35.73	-27.0	8.7	172	127	-
Vert.	5650.000	PK	49.35	32.44	17.03	43.44	2.49	57.87	-37.36	-27.0	10.3	218	99	-
Vert.	5700.000	PK	49.33	32.56	17.05	43.43	2.49	58.00	-37.23	10.0	47.2	218	99	-
Vert.	5715.000	PK	49.58	32.60	17.06	43.42	2.49	58.31	-36.92	14.2	51.1	218	99	-
Vert.	5720.000	PK	49.60	32.61	17.06	43.42	2.49	58.34	-36.89	15.6	52.4	218	99	-
Vert.	5725.000	PK	49.66	32.63	17.07	43.42	2.49	58.43	-36.80	27.0	63.8	218	99	-
Vert.	5850.000	PK	49.58	32.94	17.14	43.39	2.49	58.76	-36.47	27.0	63.4	218	99	-
Vert.	5855.000	PK	50.35	32.95	17.14	43.39	2.49	59.54	-35.69	15.6	51.2	218	99	-
Vert.	5860.000	PK	49.82	32.96	17.15	43.39	2.49	59.03	-36.20	14.2	50.3	218	99	-
Vert.	5875.000	PK	49.06	32.98	17.18	43.39	2.49	58.32	-36.91	10.0	46.9	218	99	-
Vert.	5925.000	PK	49.25	33.06	17.20	43.38	2.49	58.62	-36.61	-27.0	9.6	218	99	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

RU Index 52

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.43	32.44	17.03	43.44	2.49	57.95	-37.28	-27.0	10.2	126	127	-
Hori.	5700.000	PK	49.29	32.56	17.05	43.43	2.49	57.96	-37.27	10.0	47.2	126	127	-
Hori.	5720.000	PK	49.39	32.61	17.06	43.42	2.49	58.13	-37.10	15.6	52.7	126	127	-
Hori.	5725.000	PK	49.35	32.63	17.07	43.42	2.49	58.12	-37.11	27.0	64.1	126	127	-
Hori.	5850.000	PK	49.68	32.94	17.14	43.39	2.49	58.86	-36.37	27.0	63.3	126	127	-
Hori.	5855.000	PK	49.81	32.95	17.14	43.39	2.49	59.00	-36.23	15.6	51.8	126	127	-
Hori.	5875.000	PK	49.50	32.98	17.18	43.39	2.49	58.76	-36.47	10.0	46.4	126	127	-
Hori.	5925.000	PK	49.72	33.06	17.20	43.38	2.49	59.09	-36.14	-27.0	9.1	126	127	-
Vert.	5650.000	PK	49.76	32.44	17.03	43.44	2.49	58.28	-36.95	-27.0	9.9	199	229	-
Vert.	5700.000	PK	50.43	32.56	17.05	43.43	2.49	59.10	-36.13	10.0	46.1	199	229	-
Vert.	5720.000	PK	49.90	32.61	17.06	43.42	2.49	58.64	-36.59	15.6	52.1	199	229	-
Vert.	5725.000	PK	49.57	32.63	17.07	43.42	2.49	58.34	-36.89	27.0	63.8	199	229	-
Vert.	5850.000	PK	49.99	32.94	17.14	43.39	2.49	59.17	-36.06	27.0	63.0	199	229	-
Vert.	5855.000	PK	50.09	32.95	17.14	43.39	2.49	59.28	-35.95	15.6	51.5	199	229	-
Vert.	5875.000	PK	49.75	32.98	17.18	43.39	2.49	59.01	-36.22	10.0	46.2	199	229	-
Vert.	5925.000	PK	49.97	33.06	17.20	43.38	2.49	59.34	-35.89	-27.0	8.8	199	229	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

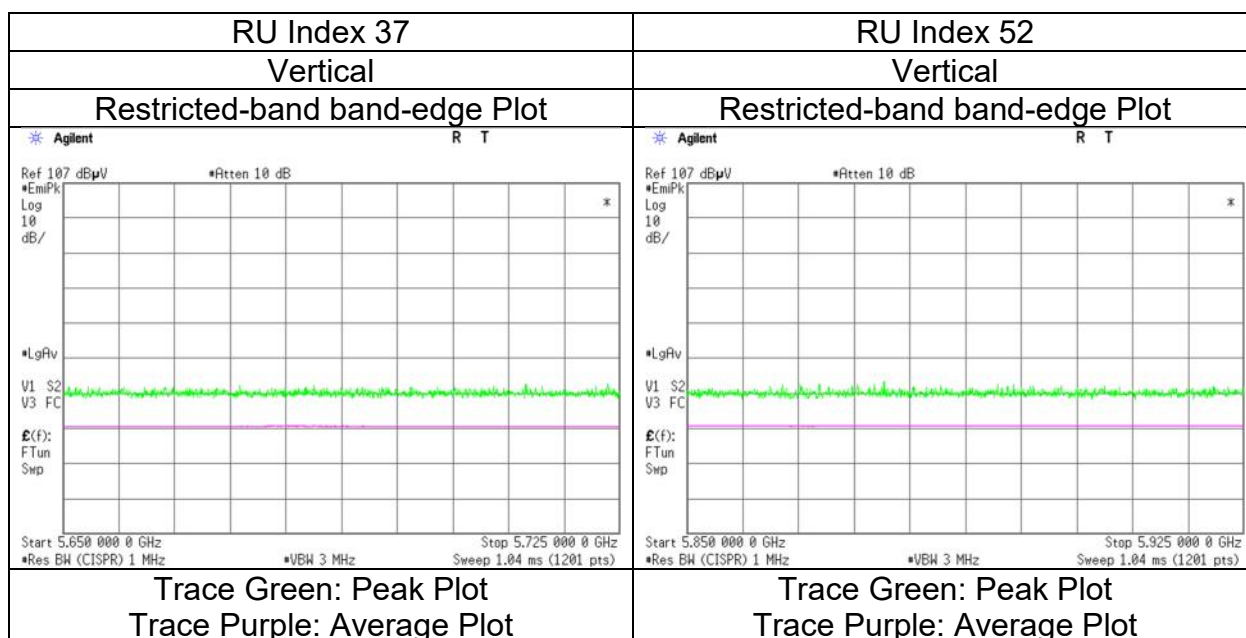
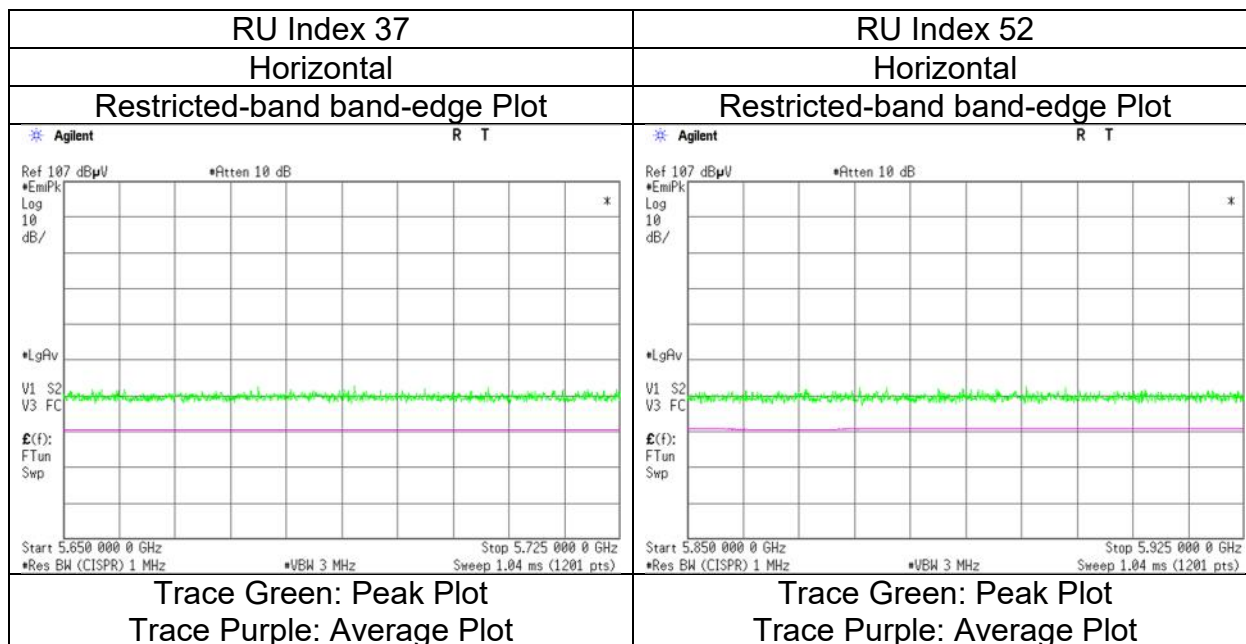
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 21, 2023
Temperature / Humidity	23 deg.C, 46 %RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 52-tone RU, 5775 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 27, 2023
Temperature / Humidity 24 deg.C, 51 %RH
Engineer Yohsuke Matsuzawa
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 5775 MHz

RU Index 53

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	50.03	32.44	17.03	43.44	2.49	58.55	-36.68	-27.0	9.6	146	124	-
Hori.	5700.000	PK	50.57	32.56	17.05	43.43	2.49	59.24	-35.99	10.0	45.9	146	124	-
Hori.	5720.000	PK	50.22	32.61	17.06	43.42	2.49	58.96	-36.27	15.6	51.8	146	124	-
Hori.	5725.000	PK	50.24	32.63	17.07	43.42	2.49	59.01	-36.22	27.0	63.2	146	124	-
Hori.	5850.000	PK	50.30	32.94	17.14	43.39	2.49	59.48	-35.75	27.0	62.7	146	124	-
Hori.	5855.000	PK	49.73	32.95	17.14	43.39	2.49	58.92	-36.31	15.6	51.9	146	124	-
Hori.	5875.000	PK	49.93	32.98	17.18	43.39	2.49	59.19	-36.04	10.0	46.0	146	124	-
Hori.	5925.000	PK	50.20	33.06	17.20	43.38	2.49	59.57	-35.66	-27.0	8.6	146	124	-
Vert.	5650.000	PK	50.18	32.44	17.03	43.44	2.49	58.70	-36.53	-27.0	9.5	220	100	-
Vert.	5700.000	PK	49.79	32.56	17.05	43.43	2.49	58.46	-36.77	10.0	46.7	220	100	-
Vert.	5720.000	PK	50.42	32.61	17.06	43.42	2.49	59.16	-36.07	15.6	51.6	220	100	-
Vert.	5725.000	PK	50.20	32.63	17.07	43.42	2.49	58.97	-36.26	27.0	63.2	220	100	-
Vert.	5850.000	PK	50.46	32.94	17.14	43.39	2.49	59.64	-35.59	27.0	62.5	220	100	-
Vert.	5855.000	PK	49.48	32.95	17.14	43.39	2.49	58.67	-36.56	15.6	52.1	220	100	-
Vert.	5875.000	PK	49.44	32.98	17.18	43.39	2.49	58.70	-36.53	10.0	46.5	220	100	-
Vert.	5925.000	PK	49.74	33.06	17.20	43.38	2.49	59.11	-36.12	-27.0	9.1	220	100	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

RU Index 60

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.15	32.44	17.03	43.44	2.49	57.67	-37.56	-27.0	10.5	100	126	-
Hori.	5700.000	PK	49.21	32.56	17.05	43.43	2.49	57.88	-37.35	10.0	47.3	100	126	-
Hori.	5720.000	PK	49.96	32.61	17.06	43.42	2.49	58.70	-36.53	15.6	52.1	100	126	-
Hori.	5725.000	PK	49.95	32.63	17.07	43.42	2.49	58.72	-36.51	27.0	63.5	100	126	-
Hori.	5850.000	PK	49.97	32.94	17.14	43.39	2.49	59.15	-36.08	27.0	63.0	100	126	-
Hori.	5855.000	PK	49.71	32.95	17.14	43.39	2.49	58.90	-36.33	15.6	51.9	100	126	-
Hori.	5875.000	PK	50.03	32.98	17.18	43.39	2.49	59.29	-35.94	10.0	45.9	100	126	-
Hori.	5925.000	PK	49.93	33.06	17.20	43.38	2.49	59.30	-35.93	-27.0	8.9	100	126	-
Vert.	5650.000	PK	49.52	32.44	17.03	43.44	2.49	58.04	-37.19	-27.0	10.1	232	234	-
Vert.	5700.000	PK	49.63	32.56	17.05	43.43	2.49	58.30	-36.93	10.0	46.9	232	234	-
Vert.	5720.000	PK	49.74	32.61	17.06	43.42	2.49	58.48	-36.75	15.6	52.3	232	234	-
Vert.	5725.000	PK	49.45	32.63	17.07	43.42	2.49	58.22	-37.01	27.0	64.0	232	234	-
Vert.	5850.000	PK	49.98	32.94	17.14	43.39	2.49	59.16	-36.07	27.0	63.0	232	234	-
Vert.	5855.000	PK	50.51	32.95	17.14	43.39	2.49	59.70	-35.53	15.6	51.1	232	234	-
Vert.	5875.000	PK	50.40	32.98	17.18	43.39	2.49	59.66	-35.57	10.0	45.5	232	234	-
Vert.	5925.000	PK	49.71	33.06	17.20	43.38	2.49	59.08	-36.15	-27.0	9.1	232	234	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

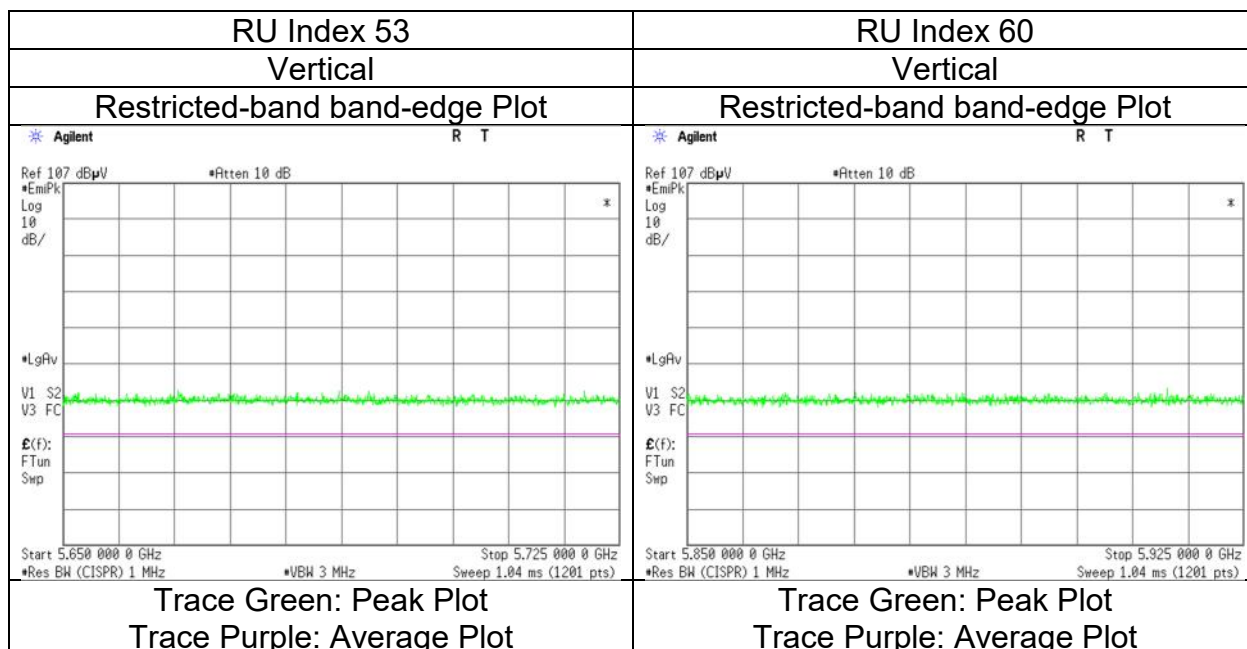
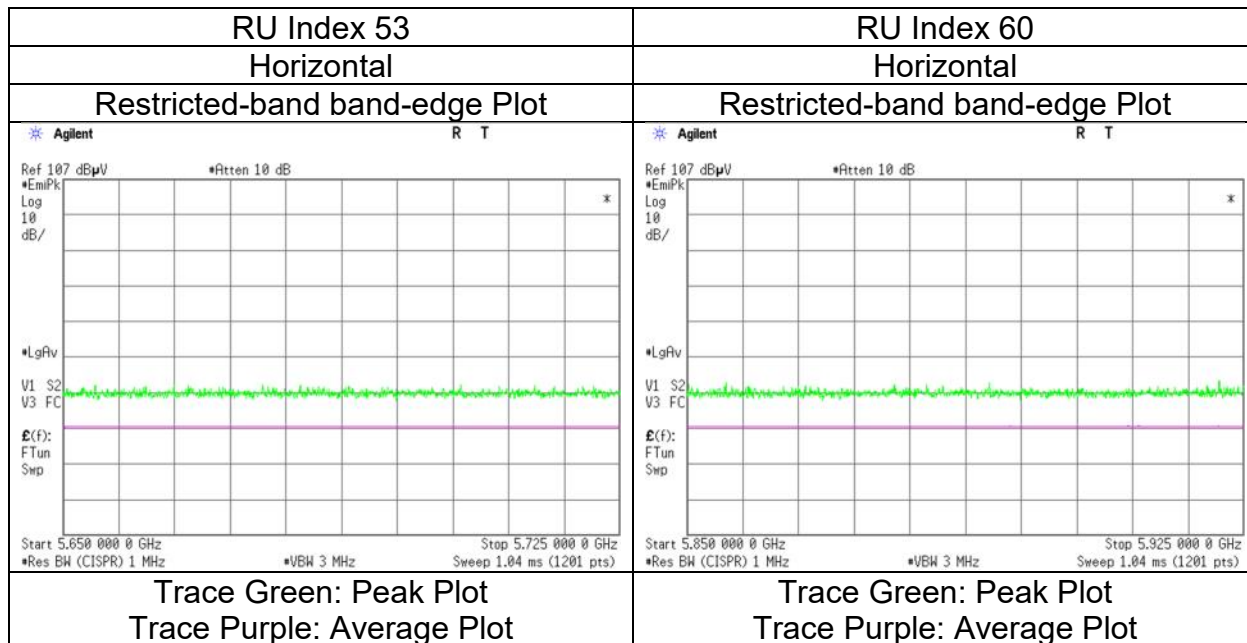
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 27, 2023
Temperature / Humidity	24 deg.C, 51 %RH
Engineer	Yohsuke Matsuzawa
Mode	Tx 11ax-80 (OFDMA) 106-tone RU, 5775 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 27, 2023
Temperature / Humidity 24 deg.C, 51 %RH
Engineer Yohsuke Matsuzawa
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 242-tone RU, 5775 MHz

RU Index 61

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.54	32.44	17.03	43.44	2.49	58.06	-37.17	-27.0	10.1	122	128	-
Hori.	5700.000	PK	49.05	32.56	17.05	43.43	2.49	57.72	-37.51	10.0	47.5	122	128	-
Hori.	5720.000	PK	49.46	32.61	17.06	43.42	2.49	58.20	-37.03	15.6	52.6	122	128	-
Hori.	5725.000	PK	49.91	32.63	17.07	43.42	2.49	58.68	-36.55	27.0	63.5	122	128	-
Hori.	5850.000	PK	49.68	32.94	17.14	43.39	2.49	58.86	-36.37	27.0	63.3	122	128	-
Hori.	5855.000	PK	50.39	32.95	17.14	43.39	2.49	59.58	-35.65	15.6	51.2	122	128	-
Hori.	5875.000	PK	49.39	32.98	17.18	43.39	2.49	58.65	-36.58	10.0	46.5	122	128	-
Hori.	5925.000	PK	49.91	33.06	17.20	43.38	2.49	59.28	-35.95	-27.0	8.9	122	128	-
Vert.	5650.000	PK	49.93	32.44	17.03	43.44	2.49	58.45	-36.78	-27.0	9.7	216	233	-
Vert.	5700.000	PK	49.74	32.56	17.05	43.43	2.49	58.41	-36.82	10.0	46.8	216	233	-
Vert.	5720.000	PK	49.45	32.61	17.06	43.42	2.49	58.19	-37.04	15.6	52.6	216	233	-
Vert.	5725.000	PK	51.08	32.63	17.07	43.42	2.49	59.85	-35.38	27.0	62.3	216	233	-
Vert.	5850.000	PK	50.08	32.94	17.14	43.39	2.49	59.26	-35.97	27.0	62.9	216	233	-
Vert.	5855.000	PK	50.33	32.95	17.14	43.39	2.49	59.52	-35.71	15.6	51.3	216	233	-
Vert.	5875.000	PK	50.89	32.98	17.18	43.39	2.49	60.15	-35.08	10.0	45.0	216	233	-
Vert.	5925.000	PK	50.09	33.06	17.20	43.38	2.49	59.46	-35.77	-27.0	8.7	216	233	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

RU Index 64

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.58	32.44	17.03	43.44	2.49	58.10	-37.13	-27.0	10.1	162	127	-
Hori.	5700.000	PK	50.05	32.56	17.05	43.43	2.49	58.72	-36.51	10.0	46.5	162	127	-
Hori.	5720.000	PK	49.81	32.61	17.06	43.42	2.49	58.55	-36.68	15.6	52.2	162	127	-
Hori.	5725.000	PK	50.27	32.63	17.07	43.42	2.49	59.04	-36.19	27.0	63.1	162	127	-
Hori.	5850.000	PK	50.28	32.94	17.14	43.39	2.49	59.46	-35.77	27.0	62.7	162	127	-
Hori.	5855.000	PK	49.77	32.95	17.14	43.39	2.49	58.96	-36.27	15.6	51.8	162	127	-
Hori.	5875.000	PK	50.64	32.98	17.18	43.39	2.49	59.90	-35.33	10.0	45.3	162	127	-
Hori.	5925.000	PK	50.34	33.06	17.20	43.38	2.49	59.71	-35.52	-27.0	8.5	162	127	-
Vert.	5650.000	PK	49.94	32.44	17.03	43.44	2.49	58.46	-36.77	-27.0	9.7	221	233	-
Vert.	5700.000	PK	49.46	32.56	17.05	43.43	2.49	58.13	-37.10	10.0	47.1	221	233	-
Vert.	5720.000	PK	49.69	32.61	17.06	43.42	2.49	58.43	-36.80	15.6	52.4	221	233	-
Vert.	5725.000	PK	49.99	32.63	17.07	43.42	2.49	58.76	-36.47	27.0	63.4	221	233	-
Vert.	5850.000	PK	50.26	32.94	17.14	43.39	2.49	59.44	-35.79	27.0	62.7	221	233	-
Vert.	5855.000	PK	49.99	32.95	17.14	43.39	2.49	59.18	-36.05	15.6	51.6	221	233	-
Vert.	5875.000	PK	49.45	32.98	17.18	43.39	2.49	58.71	-36.52	10.0	46.5	221	233	-
Vert.	5925.000	PK	49.62	33.06	17.20	43.38	2.49	58.99	-36.24	-27.0	9.2	221	233	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

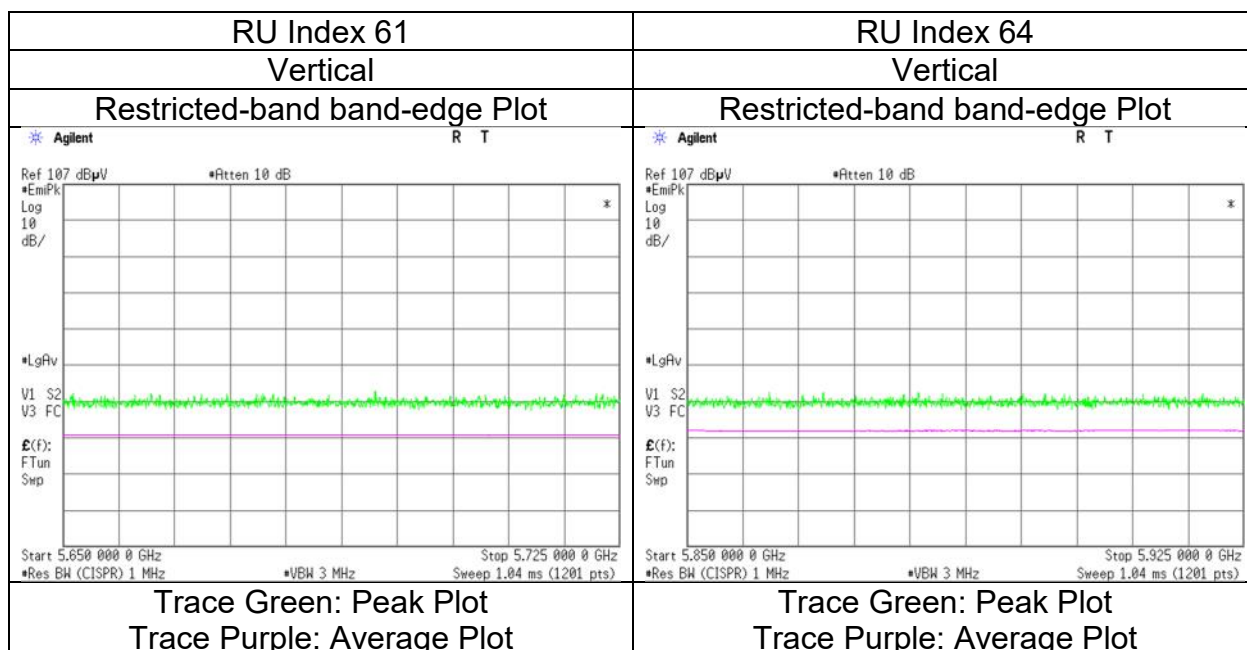
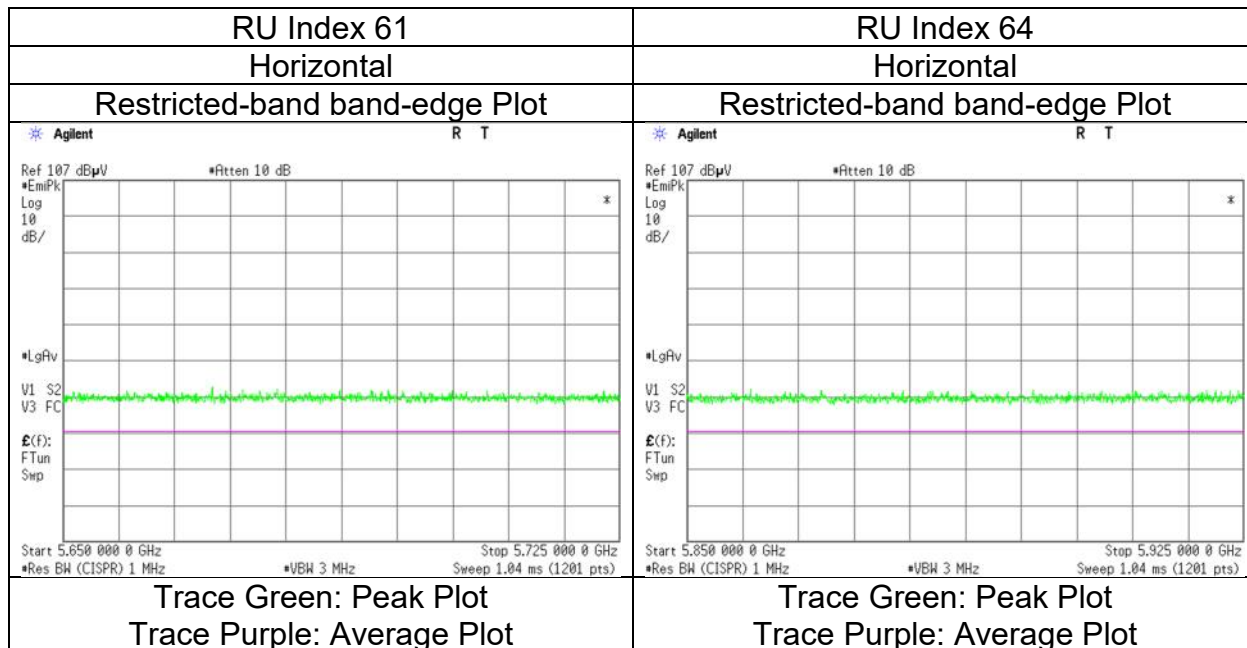
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 27, 2023
Temperature / Humidity	24 deg.C, 51 %RH
Engineer	Yohsuke Matsuzawa
Mode	Tx 11ax-80 (OFDMA) 242-tone RU, 5775 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date September 27, 2023
Temperature / Humidity 24 deg.C, 51 %RH
Engineer Yohsuke Matsuzawa
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 484-tone RU, 5775 MHz

RU Index 65

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.05	32.44	17.03	43.44	2.49	57.57	-37.66	-27.0	10.6	150	128	-
Hori.	5700.000	PK	49.51	32.56	17.05	43.43	2.49	58.18	-37.05	10.0	47.0	150	128	-
Hori.	5720.000	PK	49.37	32.61	17.06	43.42	2.49	58.11	-37.12	15.6	52.7	150	128	-
Hori.	5725.000	PK	49.63	32.63	17.07	43.42	2.49	58.40	-36.83	27.0	63.8	150	128	-
Hori.	5850.000	PK	50.45	32.94	17.14	43.39	2.49	59.63	-35.60	27.0	62.6	150	128	-
Hori.	5855.000	PK	50.01	32.95	17.14	43.39	2.49	59.20	-36.03	15.6	51.6	150	128	-
Hori.	5875.000	PK	49.50	32.98	17.18	43.39	2.49	58.76	-36.47	10.0	46.4	150	128	-
Hori.	5925.000	PK	49.72	33.06	17.20	43.38	2.49	59.09	-36.14	-27.0	9.1	150	128	-
Vert.	5650.000	PK	49.37	32.44	17.03	43.44	2.49	57.89	-37.34	-27.0	10.3	223	232	-
Vert.	5700.000	PK	49.32	32.56	17.05	43.43	2.49	57.99	-37.24	10.0	47.2	223	232	-
Vert.	5720.000	PK	49.92	32.61	17.06	43.42	2.49	58.66	-36.57	15.6	52.1	223	232	-
Vert.	5725.000	PK	49.49	32.63	17.07	43.42	2.49	58.26	-36.97	27.0	63.9	223	232	-
Vert.	5850.000	PK	49.85	32.94	17.14	43.39	2.49	59.03	-36.20	27.0	63.2	223	232	-
Vert.	5855.000	PK	50.14	32.95	17.14	43.39	2.49	59.33	-35.90	15.6	51.5	223	232	-
Vert.	5875.000	PK	49.22	32.98	17.18	43.39	2.49	58.48	-36.75	10.0	46.7	223	232	-
Vert.	5925.000	PK	49.21	33.06	17.20	43.38	2.49	58.58	-36.65	-27.0	9.6	223	232	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

RU Index 66

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.27	32.44	17.03	43.44	2.49	57.79	-37.44	-27.0	10.4	147	128	-
Hori.	5700.000	PK	49.06	32.56	17.05	43.43	2.49	57.73	-37.50	10.0	47.5	147	128	-
Hori.	5720.000	PK	49.61	32.61	17.06	43.42	2.49	58.35	-36.88	15.6	52.4	147	128	-
Hori.	5725.000	PK	49.63	32.63	17.07	43.42	2.49	58.40	-36.83	27.0	63.8	147	128	-
Hori.	5850.000	PK	50.02	32.94	17.14	43.39	2.49	59.20	-36.03	27.0	63.0	147	128	-
Hori.	5855.000	PK	50.17	32.95	17.14	43.39	2.49	59.36	-35.87	15.6	51.4	147	128	-
Hori.	5875.000	PK	49.74	32.98	17.18	43.39	2.49	59.00	-36.23	10.0	46.2	147	128	-
Hori.	5925.000	PK	49.80	33.06	17.20	43.38	2.49	59.17	-36.06	-27.0	9.0	147	128	-
Vert.	5650.000	PK	49.40	32.44	17.03	43.44	2.49	57.92	-37.31	-27.0	10.3	218	234	-
Vert.	5700.000	PK	50.18	32.56	17.05	43.43	2.49	58.85	-36.38	10.0	46.3	218	234	-
Vert.	5720.000	PK	49.75	32.61	17.06	43.42	2.49	58.49	-36.74	15.6	52.3	218	234	-
Vert.	5725.000	PK	49.75	32.63	17.07	43.42	2.49	58.52	-36.71	27.0	63.7	218	234	-
Vert.	5850.000	PK	50.02	32.94	17.14	43.39	2.49	59.20	-36.03	27.0	63.0	218	234	-
Vert.	5855.000	PK	50.00	32.95	17.14	43.39	2.49	59.19	-36.04	15.6	51.6	218	234	-
Vert.	5875.000	PK	50.28	32.98	17.18	43.39	2.49	59.54	-35.69	10.0	45.6	218	234	-
Vert.	5925.000	PK	50.48	33.06	17.20	43.38	2.49	59.85	-35.38	-27.0	8.3	218	234	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

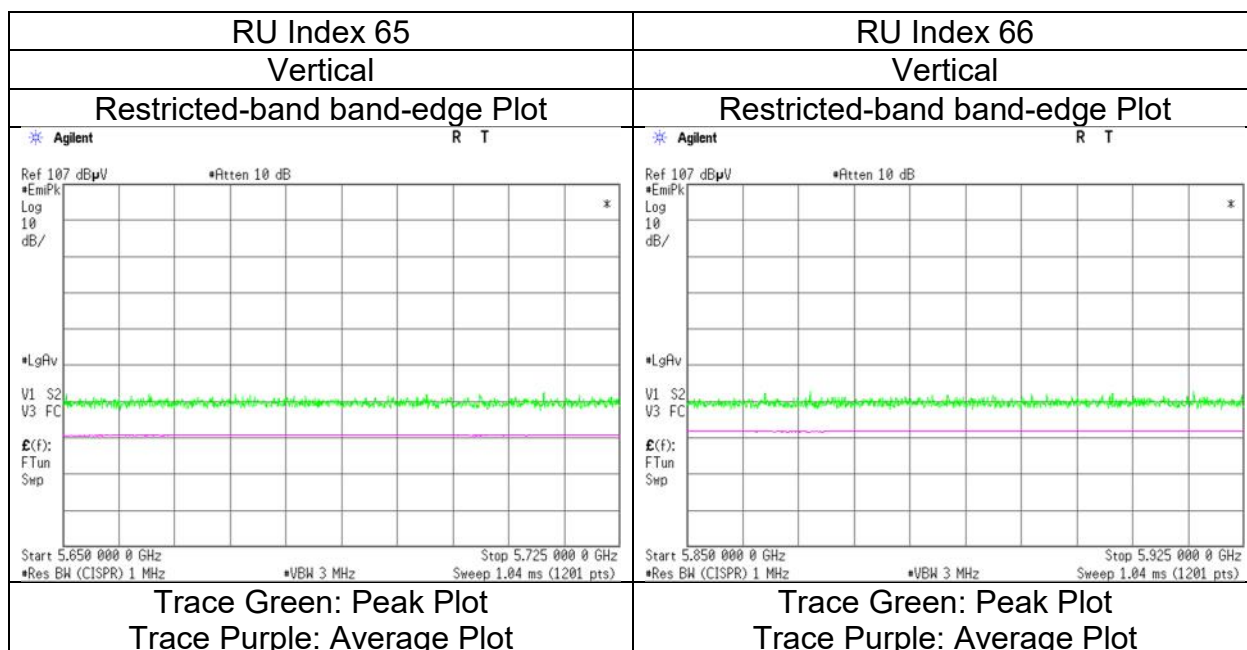
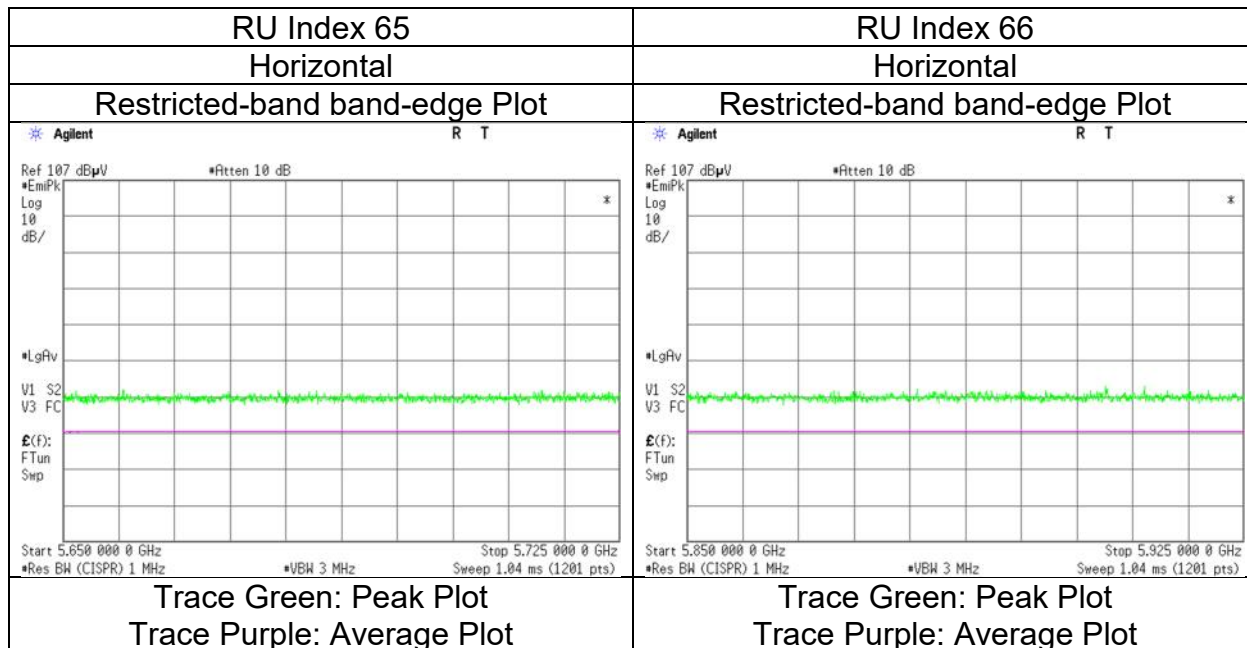
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	September 27, 2023
Temperature / Humidity	24 deg.C, 51 %RH
Engineer	Yohsuke Matsuzawa
Mode	Tx 11ax-80 (OFDMA) 484-tone RU, 5775 MHz



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 1
Date September 25, 2023
Temperature / Humidity 22 deg. C / 54 % RH
Engineer Kouki Yamada
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 996-tone RU, 5775 MHz

RU Index 67

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	46.42	32.00	17.97	39.72	2.49	59.16	-36.07	-27.0	9.0	150	129	-
Hori.	5700.000	PK	46.96	32.13	18.00	39.74	2.49	59.84	-35.39	10.0	45.3	150	129	-
Hori.	5720.000	PK	47.03	32.18	18.01	39.74	2.49	59.97	-35.26	15.6	50.8	150	129	-
Hori.	5725.000	PK	47.00	32.20	18.01	39.75	2.49	59.95	-35.28	27.0	62.2	150	129	-
Hori.	5850.000	PK	47.36	32.55	18.11	39.79	2.49	60.72	-34.51	27.0	61.5	150	129	-
Hori.	5855.000	PK	46.18	32.56	18.11	39.79	2.49	59.55	-35.68	15.6	51.2	150	129	-
Hori.	5875.000	PK	47.60	32.59	18.12	39.80	2.49	61.00	-34.23	10.0	44.2	150	129	-
Hori.	5925.000	PK	46.47	32.66	18.15	39.82	2.49	59.95	-35.28	-27.0	8.2	150	129	-
Vert.	5650.000	PK	45.94	32.00	17.97	39.72	2.49	58.68	-36.55	-27.0	9.5	160	244	-
Vert.	5700.000	PK	46.30	32.13	18.00	39.74	2.49	59.18	-36.05	10.0	46.0	160	244	-
Vert.	5720.000	PK	46.20	32.18	18.01	39.74	2.49	59.14	-36.09	15.6	51.6	160	244	-
Vert.	5725.000	PK	46.87	32.20	18.01	39.75	2.49	59.82	-35.41	27.0	62.4	160	244	-
Vert.	5850.000	PK	46.78	32.55	18.11	39.79	2.49	60.14	-35.09	27.0	62.0	160	244	-
Vert.	5855.000	PK	46.30	32.56	18.11	39.79	2.49	59.67	-35.56	15.6	51.1	160	244	-
Vert.	5875.000	PK	45.87	32.59	18.12	39.80	2.49	59.27	-35.96	10.0	45.9	160	244	-
Vert.	5925.000	PK	46.66	32.66	18.15	39.82	2.49	60.14	-35.09	-27.0	8.0	160	244	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

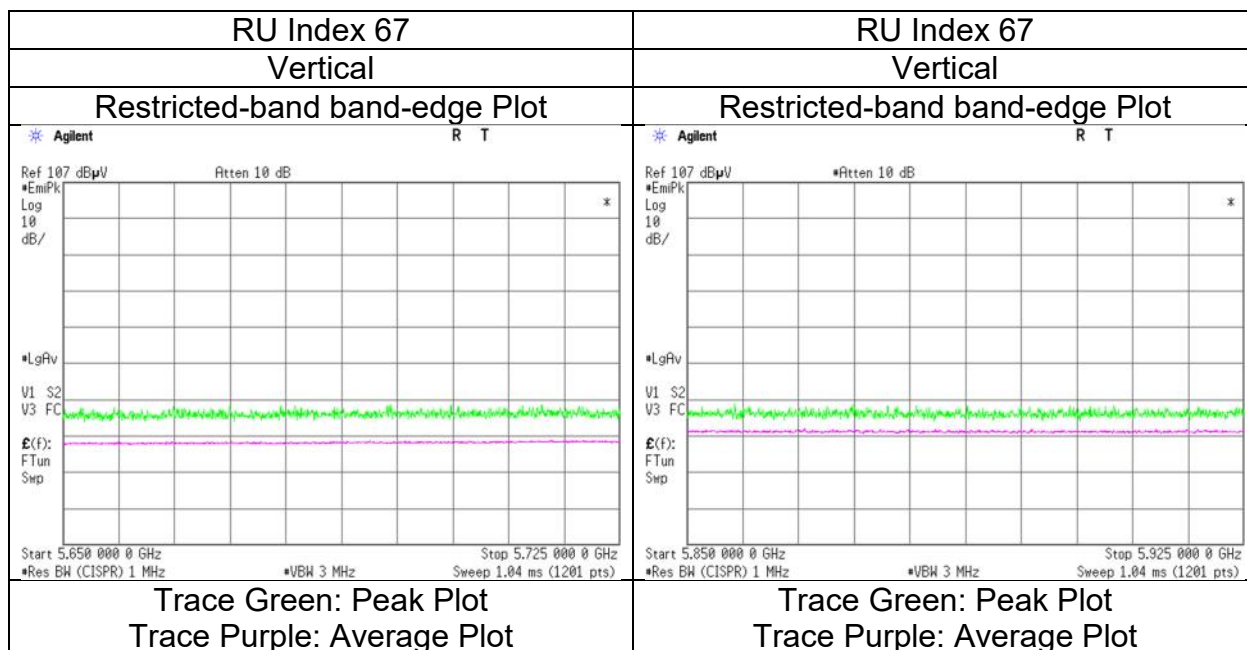
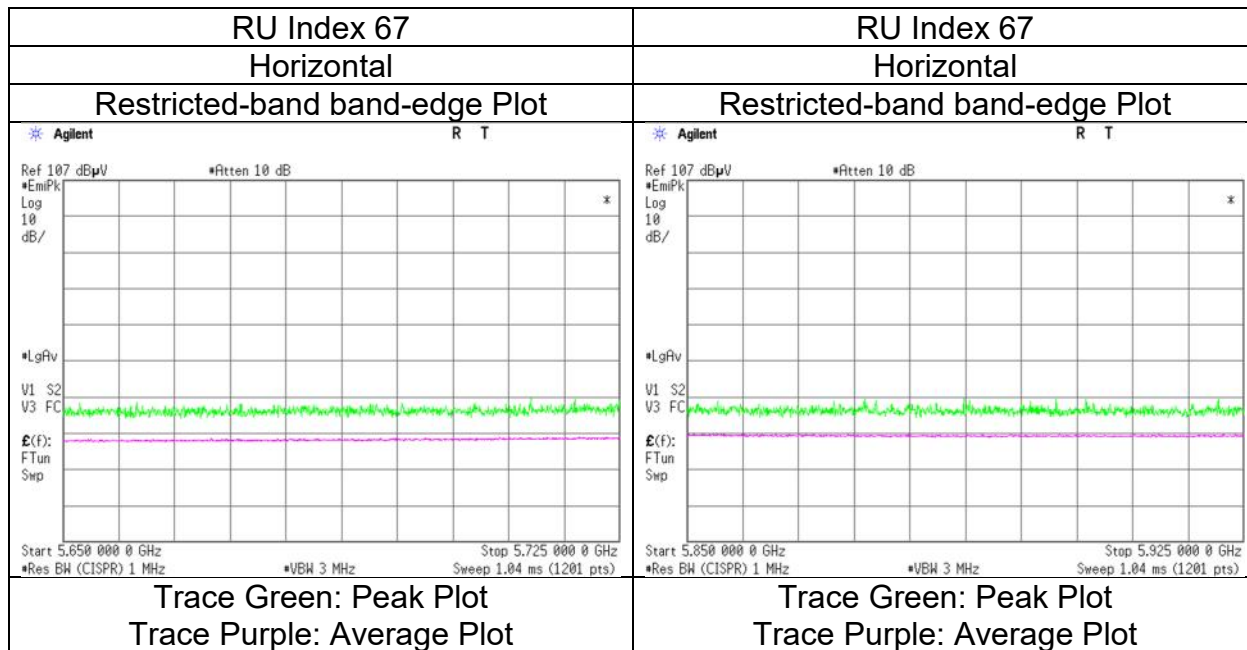
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 1
Date	September 25, 2023
Temperature / Humidity	22 deg. C / 54 % RH
Engineer	Kouki Yamada
Mode	Tx 11ax-80 (OFDMA) 996-tone RU, 5775 MHz

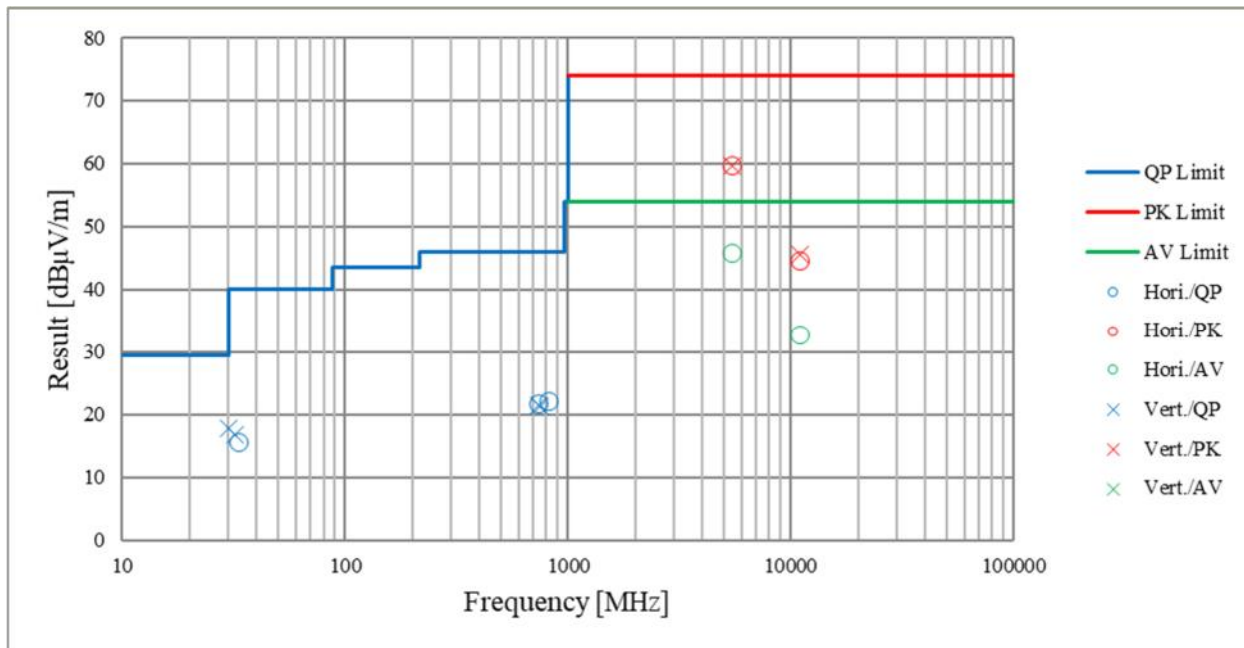


* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

(Plot data, Worst case mode for Maximum Conducted Output Power)

Test place	Shonan EMC Lab.					
Semi Anechoic Chamber	SAC 3	SAC 2	SAC 3	SAC 3	SAC 3	SAC 3
Date	October 20, 2023	July 25, 2023	June 17, 2023	October 29, 2023	June 21, 2023	October 29, 2023
Temperature / Humidity	23 deg.C, 44 %RH	23 deg.C, 50 %RH	23 deg.C, 52 %RH	23 deg.C, 50 %RH	24 deg.C, 43 %RH	23 deg.C, 50 %RH
Engineer	Hirosama Sato	Yohsuke Matsuzawa	Kenichi Adachi	Yohsuke Matsuzawa	Ken Fujita	Yohsuke Matsuzawa
Mode	(30 MHz - 1 GHz) Tx 11ax-40 (OFDM), 5510 MHz	(1 GHz - 6.4 GHz)	(6.4 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)



*These plots data contains sufficient number to show the trend of characteristic features for EUT.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz - 6.4 GHz)
Mode Tx 11a, 5180 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.35	32.16	17.18	43.07	2.49	58.11	73.9	15.7	175	126	-
Hori.	5150.000	AV	38.36	32.16	17.18	43.07	2.49	47.12	53.9	6.7	175	126	VBW:3.6 kHz
Vert.	5150.000	PK	48.54	32.16	17.18	43.07	2.49	57.30	73.9	16.6	215	238	-
Vert.	5150.000	AV	38.51	32.16	17.18	43.07	2.49	47.27	53.9	6.6	215	238	VBW:3.6 kHz

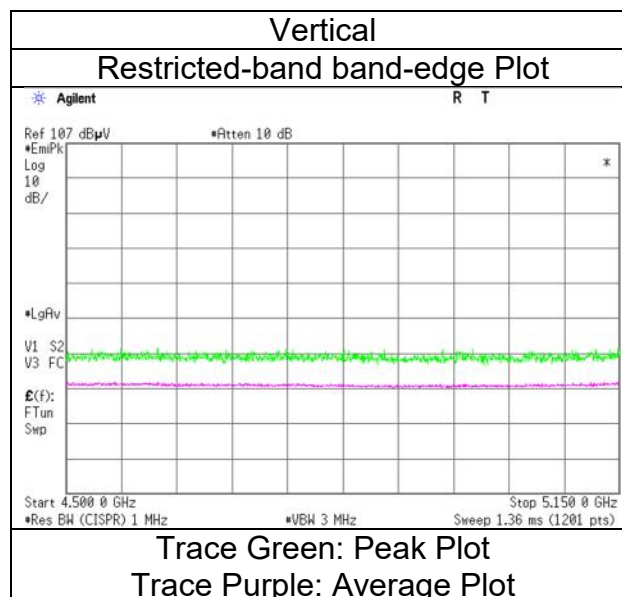
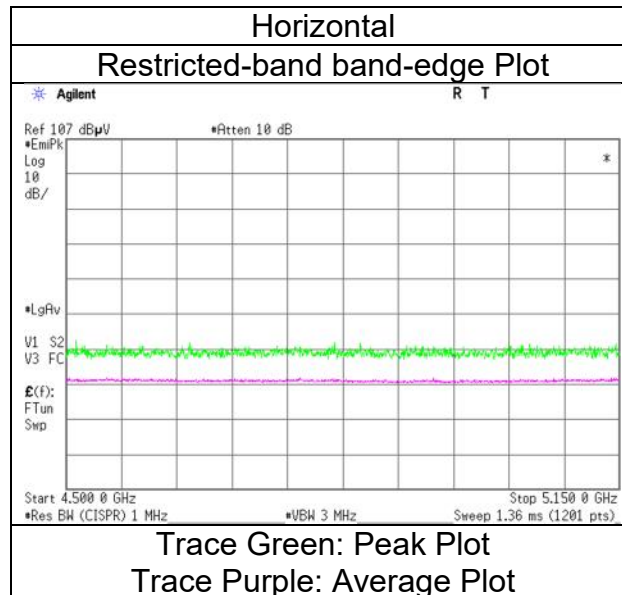
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$
10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11a, 5180 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11a, 5320 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	48.81	31.98	17.30	43.30	2.49	57.28	73.9	16.6	166	125	-
Hori.	5350.000	AV	39.42	31.98	17.30	43.30	2.49	47.89	53.9	6.0	166	125	VBW:3.6 kHz
Vert.	5350.000	PK	49.25	31.98	17.30	43.30	2.49	57.72	73.9	16.1	315	238	-
Vert.	5350.000	AV	39.02	31.98	17.30	43.30	2.49	47.49	53.9	6.4	315	238	VBW:3.6 kHz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

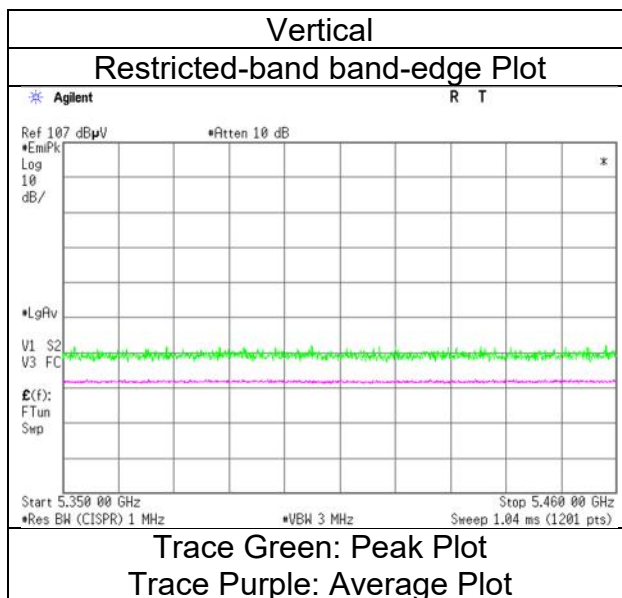
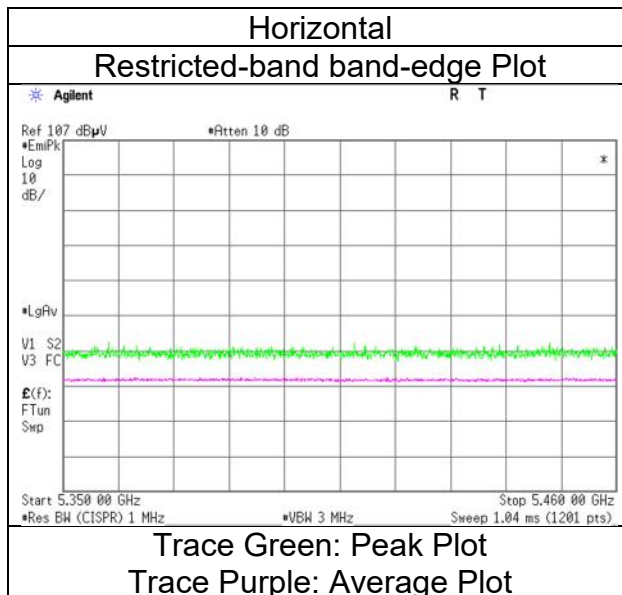
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11a, 5320 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11a, 5500 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	50.22	32.24	17.38	43.42	2.49	58.91	73.9	14.9	151	129	-
Hori.	5460.000	AV	39.21	32.24	17.38	43.42	2.49	47.90	53.9	6.0	151	129	VBW:3.6 kHz
Vert.	5460.000	PK	50.16	32.24	17.38	43.42	2.49	58.85	73.9	15.0	194	235	-
Vert.	5460.000	AV	39.33	32.24	17.38	43.42	2.49	48.02	53.9	5.8	194	235	VBW:3.6 kHz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	49.70	32.25	17.39	43.44	2.49	58.39	-36.84	-27.0	9.8	151	129	-
Vert.	5470.000	PK	50.12	32.25	17.39	43.44	2.49	58.81	-36.42	-27.0	9.4	194	235	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

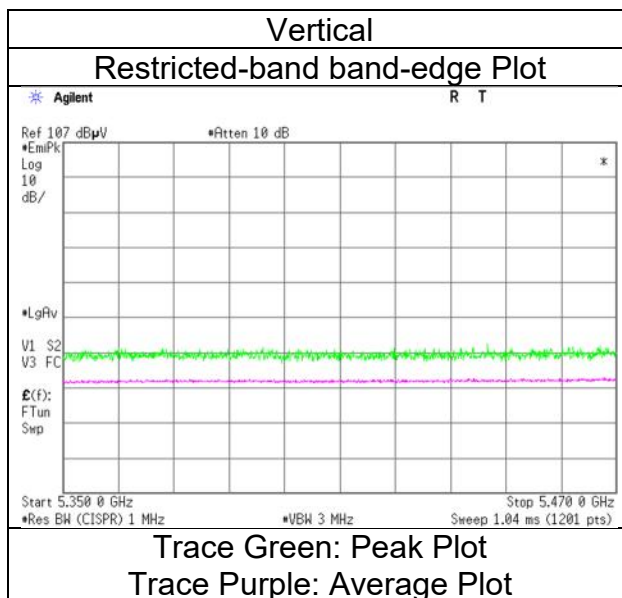
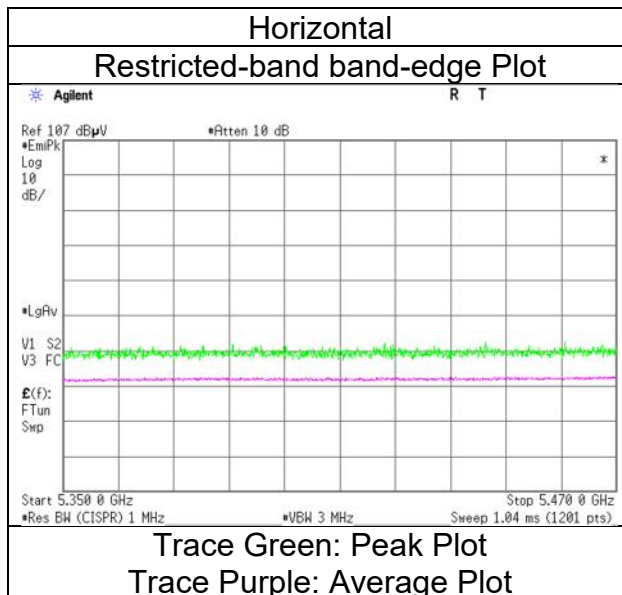
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11a, 5500 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11a, 5700 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	48.56	32.63	17.53	43.42	2.49	57.79	-37.44	-27.0	10.4	181	119	-
Vert.	5725.000	PK	49.73	32.63	17.53	43.42	2.49	58.96	-36.27	-27.0	9.2	308	90	-

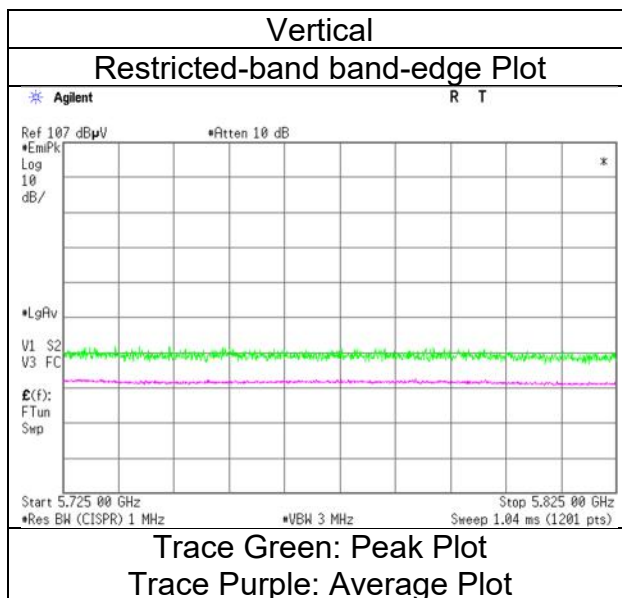
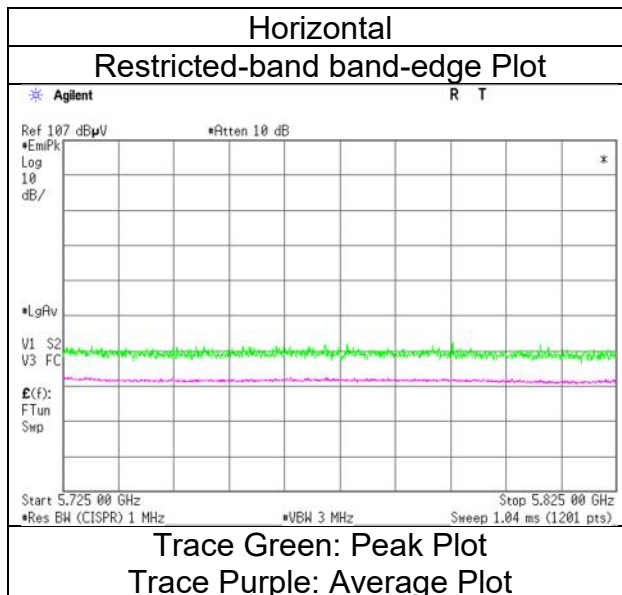
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11a, 5700 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -10 GHz)
Mode Tx 11a, 5745 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.12	32.44	17.50	43.44	2.49	58.11	-37.12	-27.0	10.1	179	119	-
Hori.	5700.000	PK	49.08	32.56	17.52	43.43	2.49	58.22	-37.01	10.0	47.0	179	119	-
Hori.	5720.000	PK	49.37	32.61	17.53	43.42	2.49	58.58	-36.65	15.6	52.2	179	119	-
Hori.	5725.000	PK	49.79	32.63	17.53	43.42	2.49	59.02	-36.21	27.0	63.2	179	119	-
Vert.	5650.000	PK	49.17	32.44	17.50	43.44	2.49	58.16	-37.07	-27.0	10.0	143	237	-
Vert.	5700.000	PK	49.01	32.56	17.52	43.43	2.49	58.15	-37.08	10.0	47.0	143	237	-
Vert.	5720.000	PK	49.42	32.61	17.53	43.42	2.49	58.63	-36.60	15.6	52.2	143	237	-
Vert.	5725.000	PK	49.90	32.63	17.53	43.42	2.49	59.13	-36.10	27.0	63.1	143	237	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

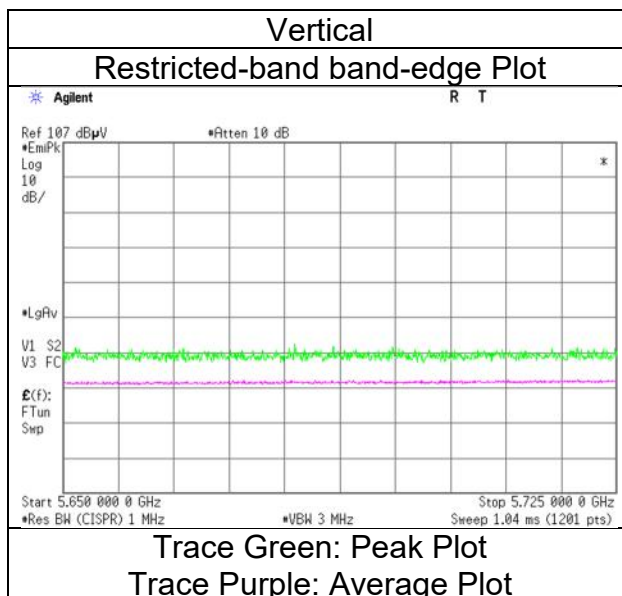
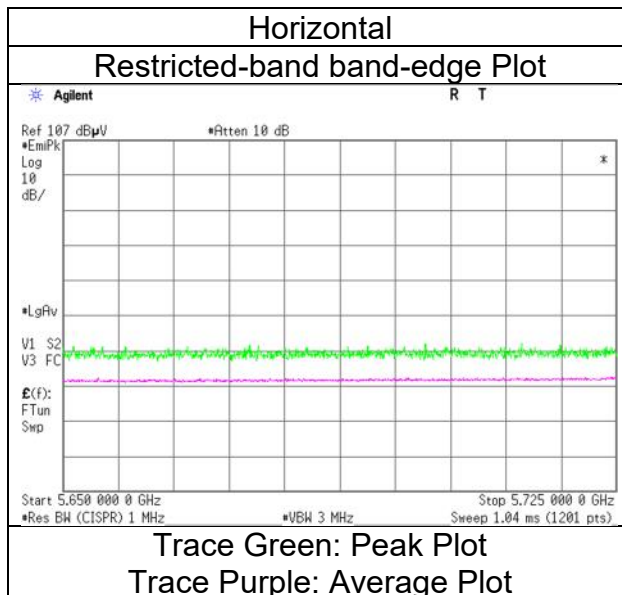
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
December 4, 2023
20 deg.C, 35 %RH
Yosuke Murakami
Tx 11a, 5745 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -10 GHz)
Mode Tx 11a, 5825 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result(EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	49.63	32.94	17.61	43.39	2.49	59.28	-35.95	27.0	62.9	173	119	-
Hori.	5855.000	PK	49.70	32.95	17.61	43.39	2.49	59.36	-35.87	15.6	51.4	173	119	-
Hori.	5875.000	PK	50.18	32.98	17.64	43.39	2.49	59.90	-35.33	10.0	45.3	173	119	-
Hori.	5925.000	PK	50.22	33.06	17.66	43.38	2.49	60.05	-35.18	-27.0	8.1	173	119	-
Vert.	5850.000	PK	49.58	32.94	17.61	43.39	2.49	59.23	-36.00	27.0	63.0	124	305	-
Vert.	5855.000	PK	50.41	32.95	17.61	43.39	2.49	60.07	-35.16	15.6	50.7	124	305	-
Vert.	5875.000	PK	49.24	32.98	17.64	43.39	2.49	58.96	-36.27	10.0	46.2	124	305	-
Vert.	5925.000	PK	49.62	33.06	17.66	43.38	2.49	59.45	-35.78	-27.0	8.7	124	305	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

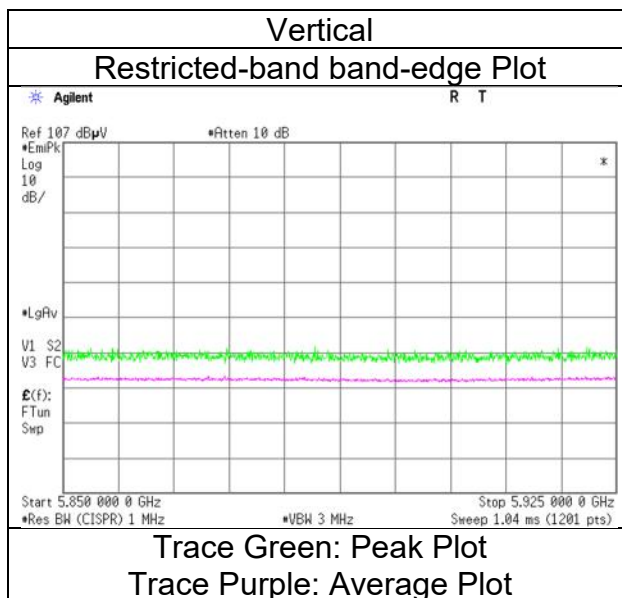
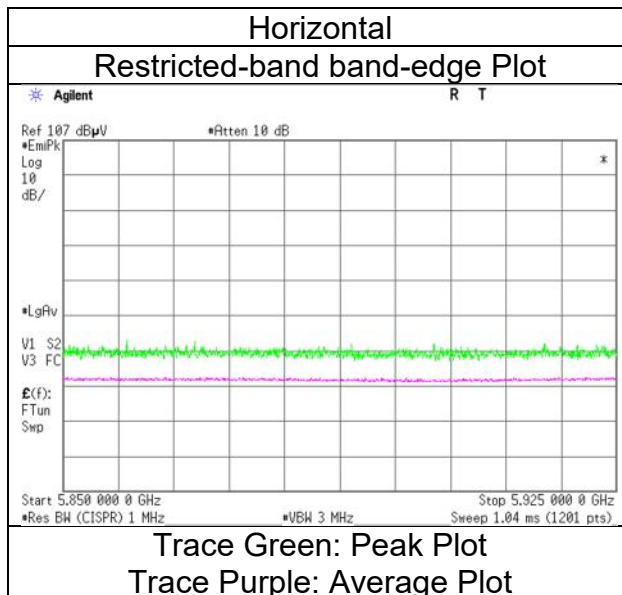
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
December 4, 2023
20 deg.C, 35 %RH
Yosuke Murakami
Tx 11a, 5825 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -10 GHz)
Mode Tx 11n-20, 5180 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.85	32.16	17.18	43.07	2.49	58.61	73.9	15.2	153	123	-
Hori.	5150.000	AV	35.34	32.16	17.18	43.07	2.49	44.10	53.9	9.8	153	123	VBW:10 Hz
Vert.	5150.000	PK	49.12	32.16	17.18	43.07	2.49	57.88	73.9	16.0	212	234	-
Vert.	5150.000	AV	36.49	32.16	17.18	43.07	2.49	45.25	53.9	8.6	212	234	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

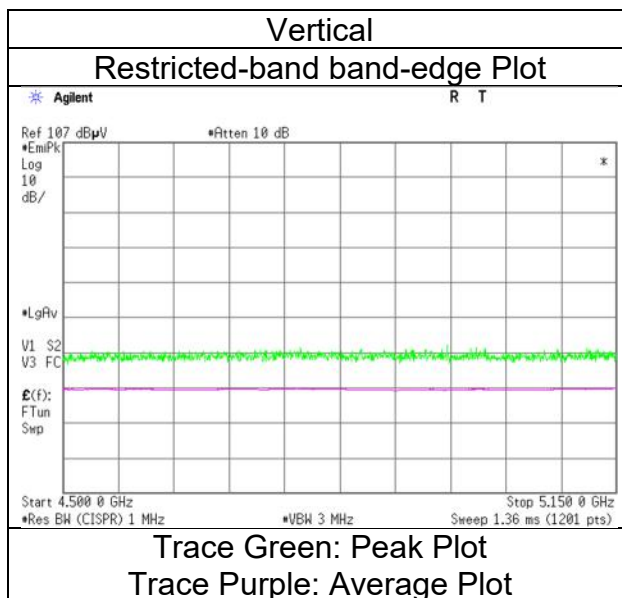
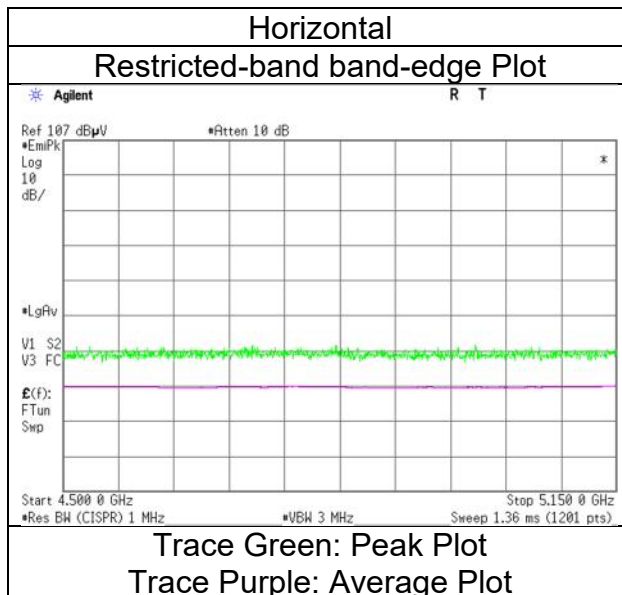
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-20, 5180 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11n-20, 5320 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	49.53	31.98	17.30	43.30	2.49	58.00	73.9	15.9	168	126	-
Hori.	5350.000	AV	37.13	31.98	17.30	43.30	2.49	45.60	53.9	8.3	168	126	VBW:10 Hz
Vert.	5350.000	PK	49.71	31.98	17.30	43.30	2.49	58.18	73.9	15.7	315	238	-
Vert.	5350.000	AV	36.83	31.98	17.30	43.30	2.49	45.30	53.9	8.6	315	238	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

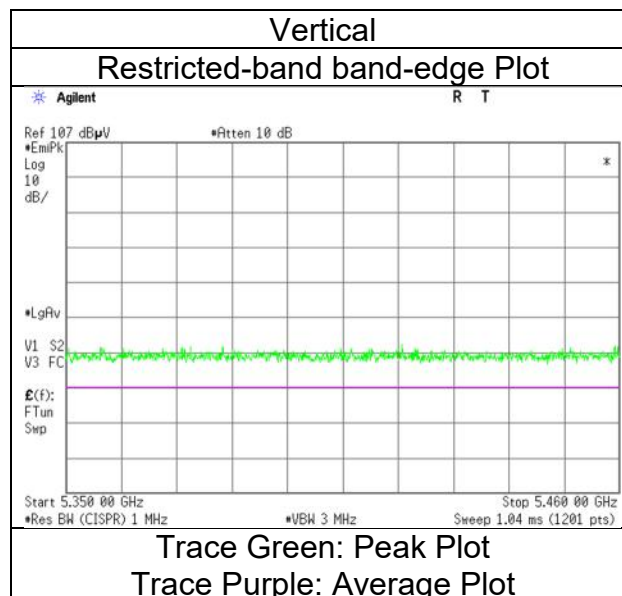
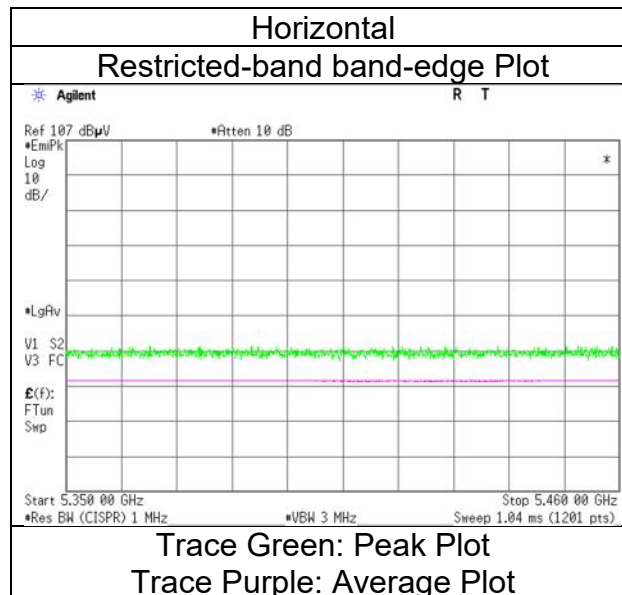
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-20, 5320 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11n-20, 5500 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	50.33	32.24	17.38	43.42	2.49	59.02	73.9	14.8	156	116	-
Hori.	5460.000	AV	37.38	32.24	17.38	43.42	2.49	46.07	53.9	7.8	156	116	VBW:10 Hz
Vert.	5460.000	PK	49.21	32.24	17.38	43.42	2.49	57.90	73.9	16.0	182	236	-
Vert.	5460.000	AV	37.14	32.24	17.38	43.42	2.49	45.83	53.9	8.0	182	236	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	49.92	32.25	17.39	43.44	2.49	58.61	-36.62	-27.0	9.6	156	116	-
Vert.	5470.000	PK	49.87	32.25	17.39	43.44	2.49	58.56	-36.67	-27.0	9.6	182	236	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \text{LOG}((10^{(Electric\ Field\ Strength\ [dBuV/m] / 20)} * 10^{(-6)} * \text{Distance} : 3\text{ [m]})^2 / 30 * 10^{(-3)})$

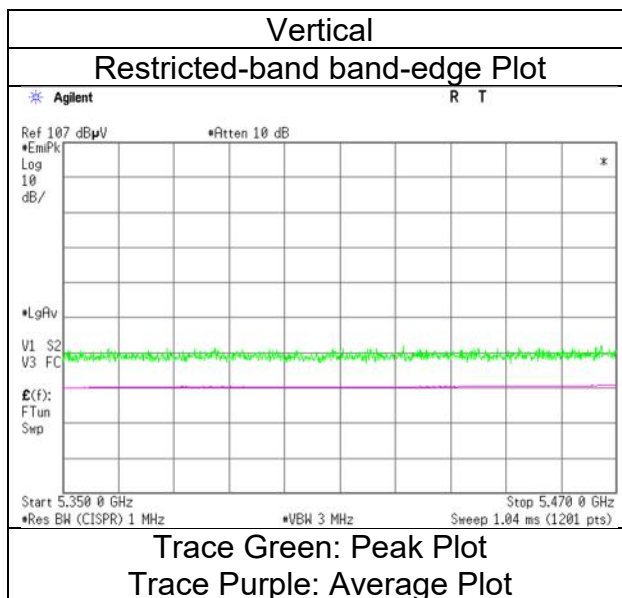
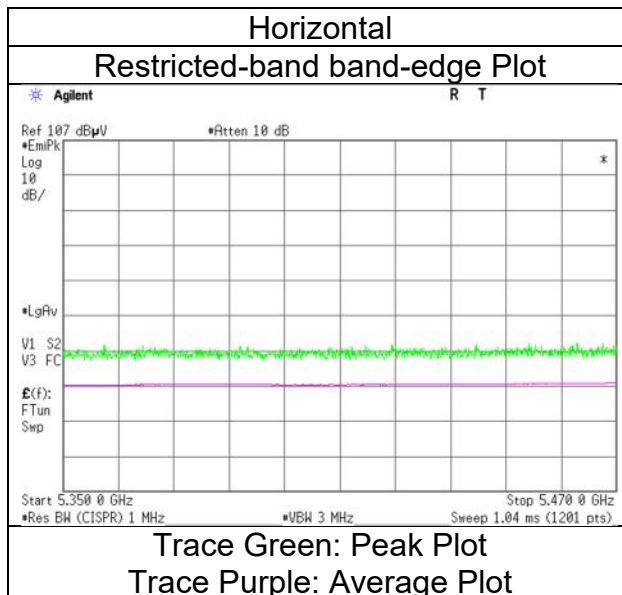
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-20, 5500 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11n-20, 5700 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	51.14	32.63	17.53	43.42	2.49	60.37	-34.86	-27.0	7.8	182	119	-
Vert.	5725.000	PK	49.61	32.63	17.53	43.42	2.49	58.84	-36.39	-27.0	9.3	190	237	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

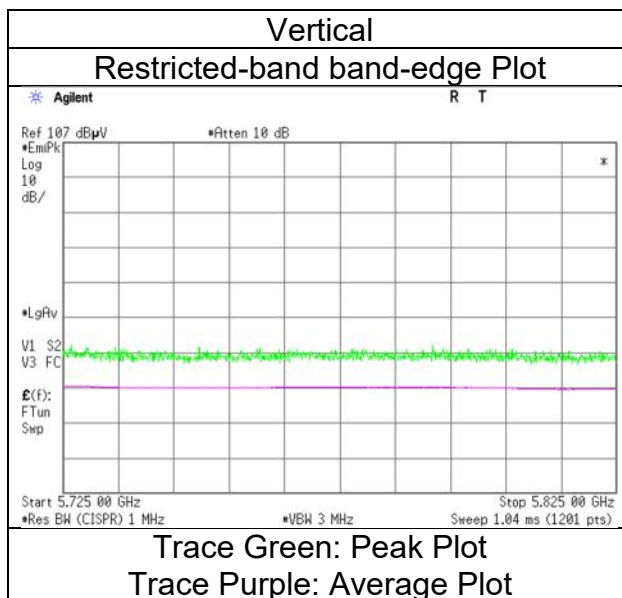
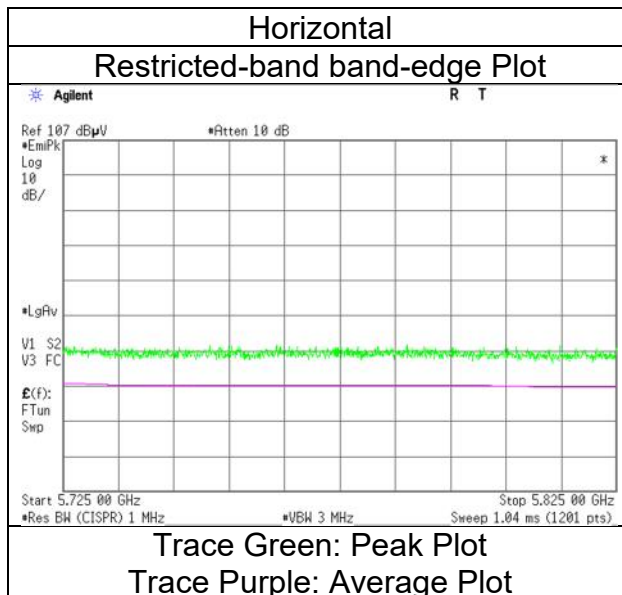
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-20, 5700 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -10 GHz)
Mode Tx 11n-20, 5745 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.51	32.44	17.50	43.44	2.49	58.50	-36.73	-27.0	9.7	181	119	-
Hori.	5700.000	PK	49.18	32.56	17.52	43.43	2.49	58.32	-36.91	10.0	46.9	181	119	-
Hori.	5720.000	PK	49.36	32.61	17.53	43.42	2.49	58.57	-36.66	15.6	52.2	181	119	-
Hori.	5725.000	PK	49.44	32.63	17.53	43.42	2.49	58.67	-36.56	27.0	63.5	181	119	-
Vert.	5650.000	PK	49.13	32.44	17.50	43.44	2.49	58.12	-37.11	-27.0	10.1	235	151	-
Vert.	5700.000	PK	48.53	32.56	17.52	43.43	2.49	57.67	-37.56	10.0	47.5	235	151	-
Vert.	5720.000	PK	49.42	32.61	17.53	43.42	2.49	58.63	-36.60	15.6	52.2	235	151	-
Vert.	5725.000	PK	49.76	32.63	17.53	43.42	2.49	58.99	-36.24	27.0	63.2	235	151	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

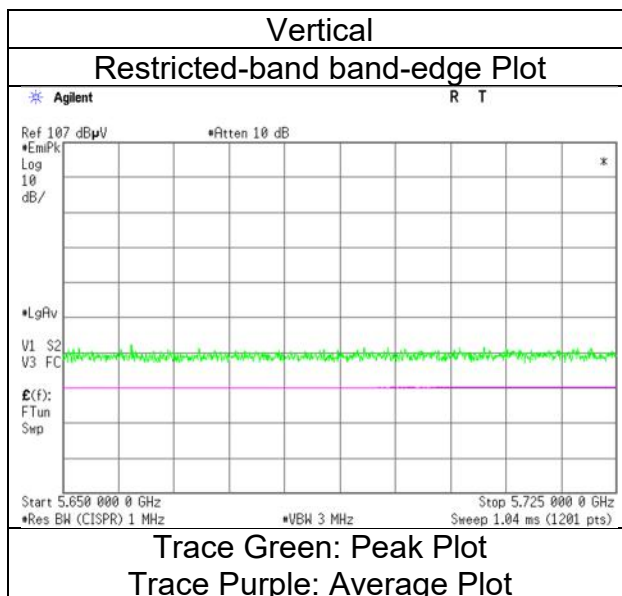
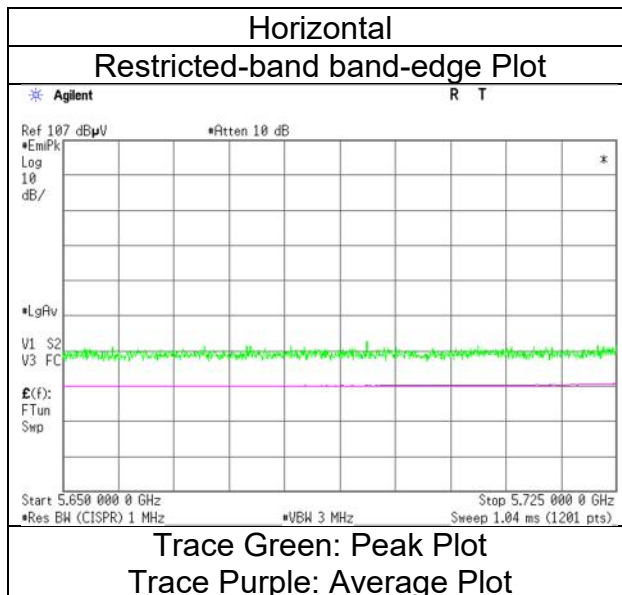
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-20, 5745 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11n-20, 5825 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	49.45	32.94	17.61	43.39	2.49	59.10	-36.13	27.0	63.1	193	121	-
Hori.	5855.000	PK	50.14	32.95	17.61	43.39	2.49	59.80	-35.43	15.6	51.0	193	121	-
Hori.	5875.000	PK	49.57	32.98	17.64	43.39	2.49	59.29	-35.94	10.0	45.9	193	121	-
Hori.	5925.000	PK	49.42	33.06	17.66	43.38	2.49	59.25	-35.98	-27.0	8.9	193	121	-
Vert.	5850.000	PK	49.30	32.94	17.61	43.39	2.49	58.95	-36.28	27.0	63.2	144	184	-
Vert.	5855.000	PK	49.58	32.95	17.61	43.39	2.49	59.24	-35.99	15.6	51.5	144	184	-
Vert.	5875.000	PK	49.78	32.98	17.64	43.39	2.49	59.50	-35.73	10.0	45.7	144	184	-
Vert.	5925.000	PK	50.08	33.06	17.66	43.38	2.49	59.91	-35.32	-27.0	8.3	144	184	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

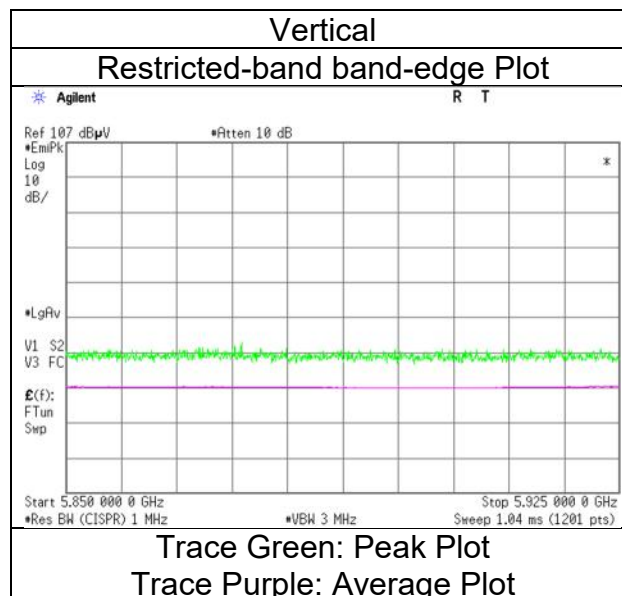
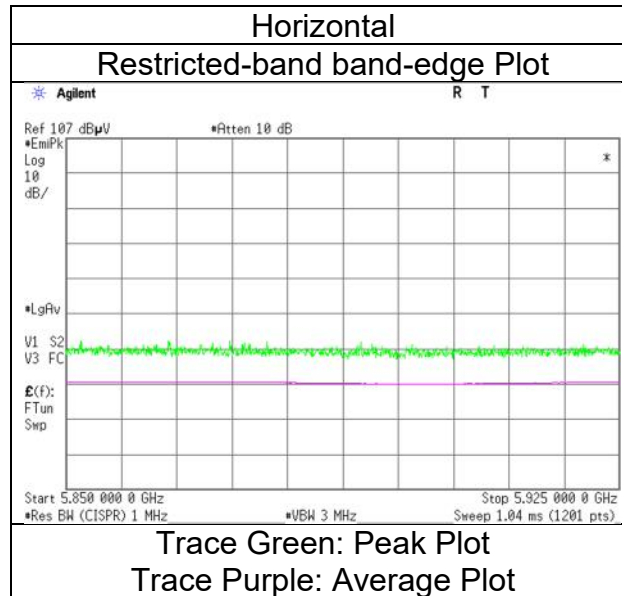
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-20, 5825 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11ac-20, 5180 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.43	32.16	17.18	43.07	2.49	58.19	73.9	15.7	149	125	-
Hori.	5150.000	AV	36.73	32.16	17.18	43.07	2.49	45.49	53.9	8.4	149	125	VBW:10 Hz
Vert.	5150.000	PK	49.04	32.16	17.18	43.07	2.49	57.80	73.9	16.1	244	237	-
Vert.	5150.000	AV	36.53	32.16	17.18	43.07	2.49	45.29	53.9	8.6	244	237	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

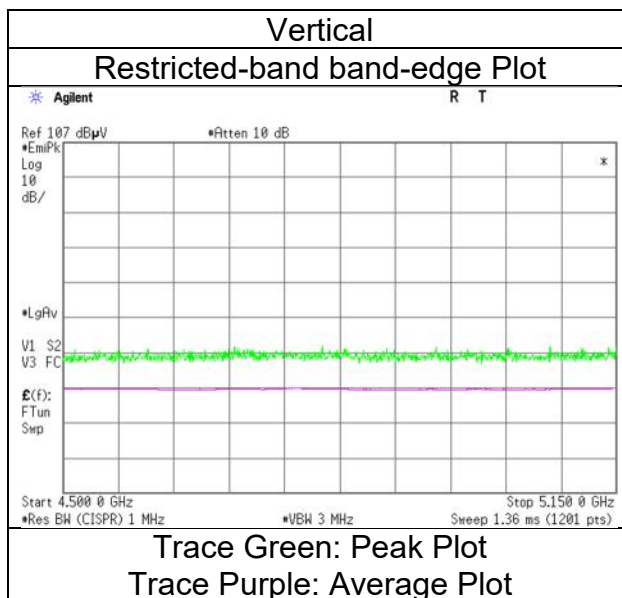
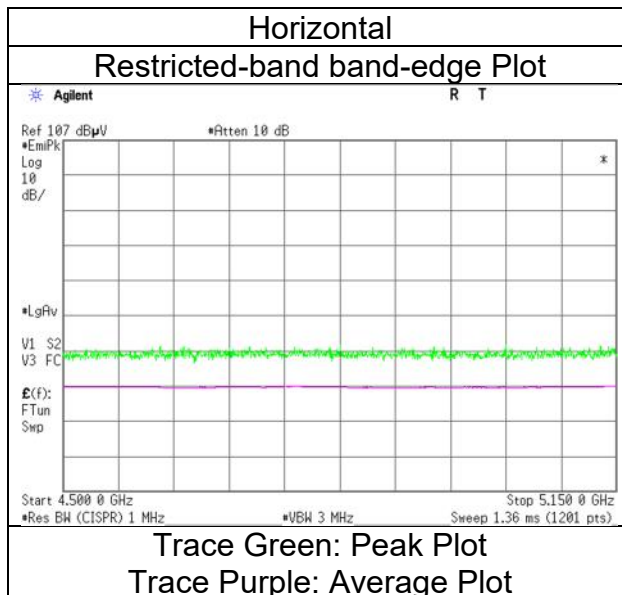
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20, 5180 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11ac-20, 5320 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	49.21	31.98	17.30	43.30	2.49	57.68	73.9	16.2	151	124	-
Hori.	5350.000	AV	37.03	31.98	17.30	43.30	2.49	45.50	53.9	8.4	151	124	VBW:10 Hz
Vert.	5350.000	PK	49.50	31.98	17.30	43.30	2.49	57.97	73.9	15.9	208	238	-
Vert.	5350.000	AV	37.01	31.98	17.30	43.30	2.49	45.48	53.9	8.4	208	238	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

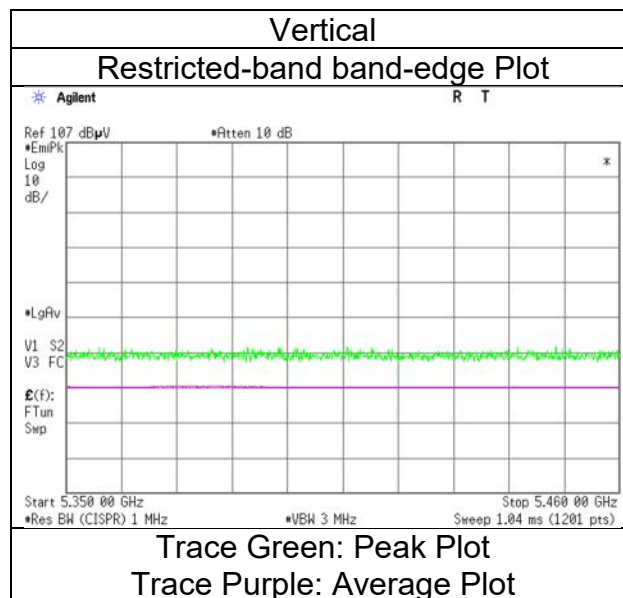
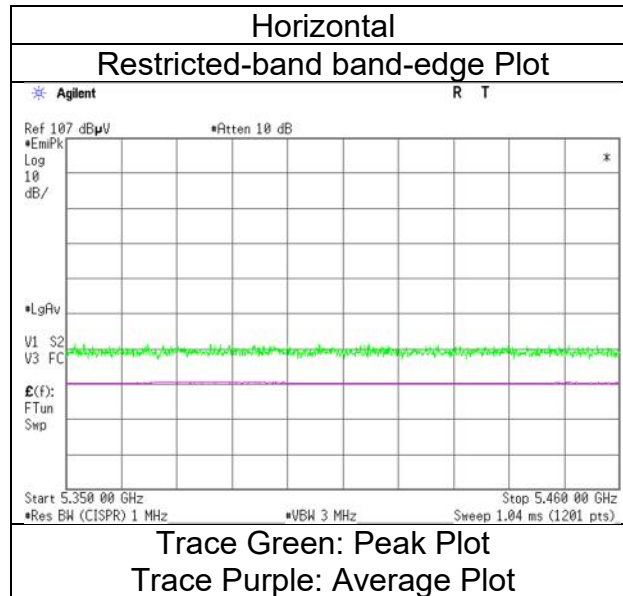
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20, 5320 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11ac-20, 5500 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	49.86	32.24	17.38	43.42	2.49	58.55	73.9	15.3	183	114	-
Hori.	5460.000	AV	37.29	32.24	17.38	43.42	2.49	45.98	53.9	7.9	183	114	VBW:10 Hz
Vert.	5460.000	PK	49.27	32.24	17.38	43.42	2.49	57.96	73.9	15.9	187	238	-
Vert.	5460.000	AV	37.26	32.24	17.38	43.42	2.49	45.95	53.9	7.9	187	238	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	50.35	32.25	17.39	43.44	2.49	59.04	-36.19	-27.0	9.1	183	114	-
Vert.	5470.000	PK	50.02	32.25	17.39	43.44	2.49	58.71	-36.52	-27.0	9.5	187	238	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \text{LOG}((10^{\wedge}(\text{Electric Field Strength [dBuV/m]} / 20) * 10^{\wedge}(-6)) * \text{Distance} : 3\text{ [m]})^{\wedge}2 / 30 * 10^{\wedge}3)$

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

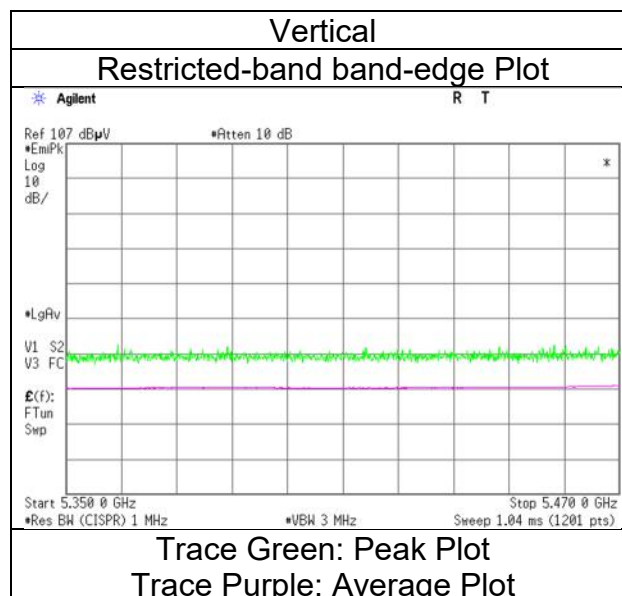
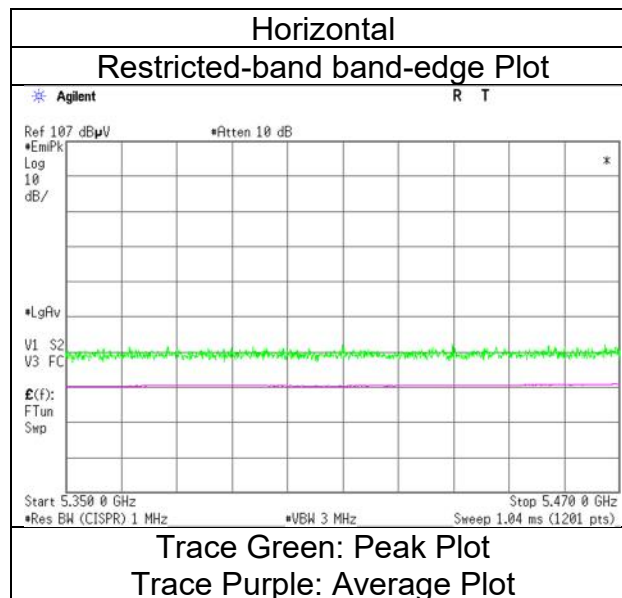
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
December 4, 2023
20 deg.C, 35 %RH
Yosuke Murakami
Tx 11ac-20, 5500 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11ac-20, 5700 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	50.75	32.63	17.53	43.42	2.49	59.98	-35.25	-27.0	8.2	182	119	-
Vert.	5725.000	PK	49.88	32.63	17.53	43.42	2.49	59.11	-36.12	-27.0	9.1	152	237	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

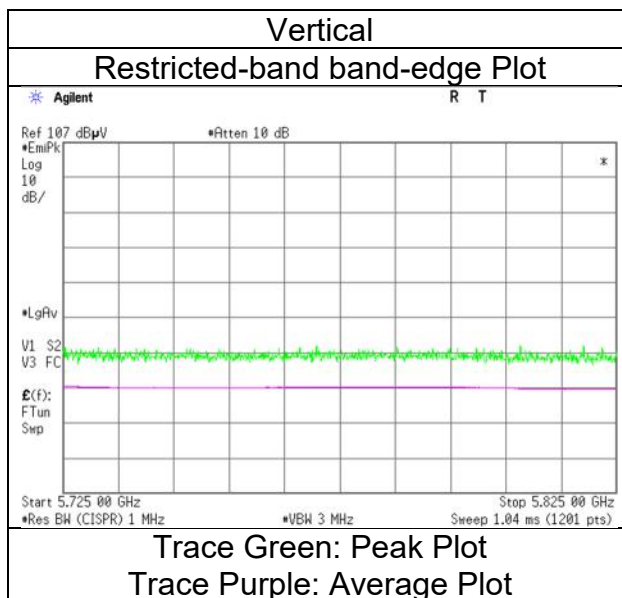
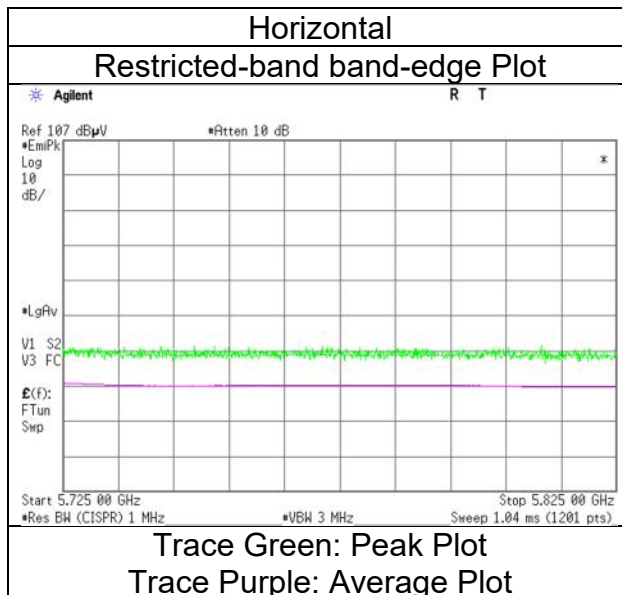
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20, 5700 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11ac-20, 5745 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.29	32.44	17.50	43.44	2.49	58.28	-36.95	-27.0	9.9	184	120	-
Hori.	5700.000	PK	49.45	32.56	17.52	43.43	2.49	58.59	-36.64	10.0	46.6	184	120	-
Hori.	5720.000	PK	49.76	32.61	17.53	43.42	2.49	58.97	-36.26	15.6	51.8	184	120	-
Hori.	5725.000	PK	49.31	32.63	17.53	43.42	2.49	58.54	-36.69	27.0	63.6	184	120	-
Vert.	5650.000	PK	48.72	32.44	17.50	43.44	2.49	57.71	-37.52	-27.0	10.5	147	235	-
Vert.	5700.000	PK	49.07	32.56	17.52	43.43	2.49	58.21	-37.02	10.0	47.0	147	235	-
Vert.	5720.000	PK	49.04	32.61	17.53	43.42	2.49	58.25	-36.98	15.6	52.5	147	235	-
Vert.	5725.000	PK	49.06	32.63	17.53	43.42	2.49	58.29	-36.94	27.0	63.9	147	235	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20)) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

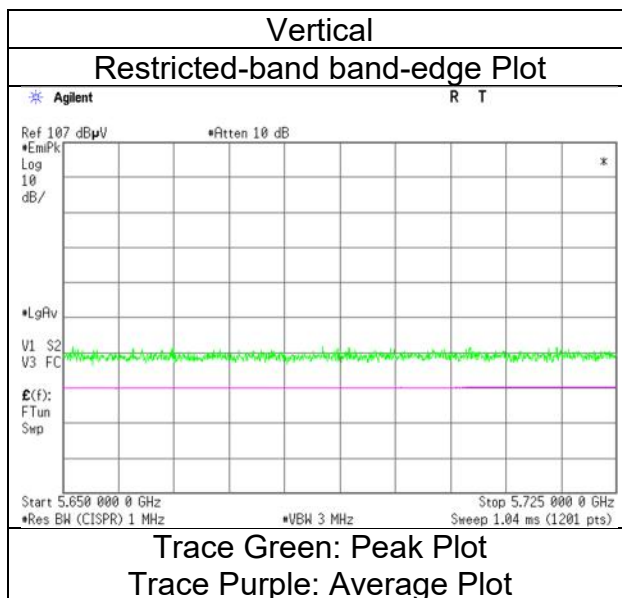
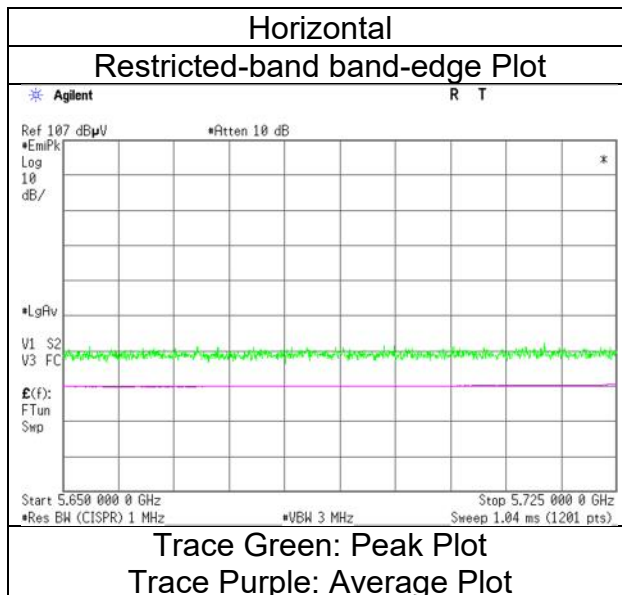
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20, 5745 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 20 deg.C, 35 %RH
Engineer Yosuke Murakami
 (1 GHz -6.4 GHz)
Mode Tx 11ac-20, 5825 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	49.57	32.94	17.61	43.39	2.49	59.22	-36.01	27.0	63.0	179	120	-
Hori.	5855.000	PK	49.60	32.95	17.61	43.39	2.49	59.26	-35.97	15.6	51.5	179	120	-
Hori.	5875.000	PK	49.34	32.98	17.64	43.39	2.49	59.06	-36.17	10.0	46.1	179	120	-
Hori.	5925.000	PK	50.55	33.06	17.66	43.38	2.49	60.38	-34.85	-27.0	7.8	179	120	-
Vert.	5850.000	PK	49.64	32.94	17.61	43.39	2.49	59.29	-35.94	27.0	62.9	182	144	-
Vert.	5855.000	PK	49.11	32.95	17.61	43.39	2.49	58.77	-36.46	15.6	52.0	182	144	-
Vert.	5875.000	PK	49.46	32.98	17.64	43.39	2.49	59.18	-36.05	10.0	46.0	182	144	-
Vert.	5925.000	PK	49.42	33.06	17.66	43.38	2.49	59.25	-35.98	-27.0	8.9	182	144	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

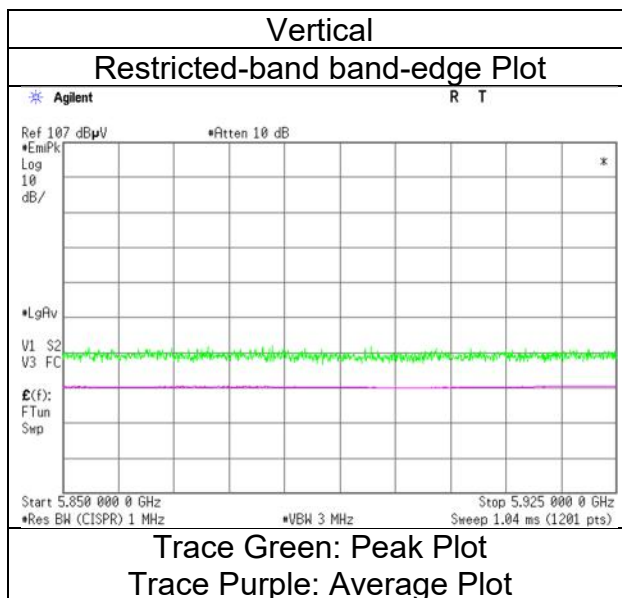
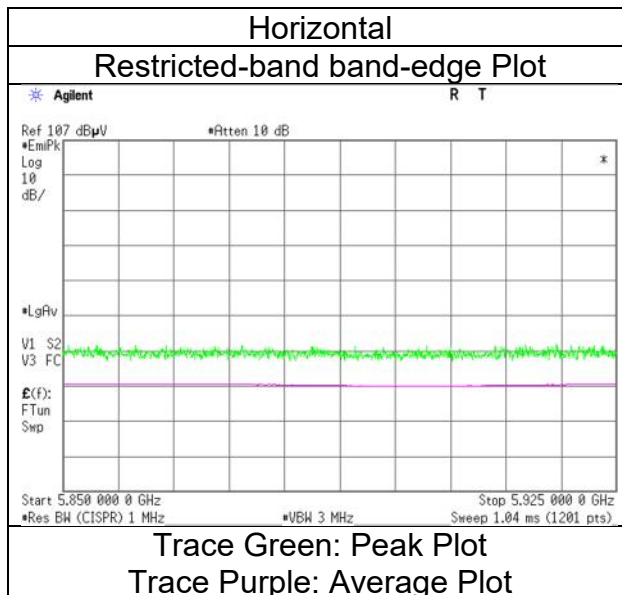
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	20 deg.C, 35 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20, 5825 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 21 deg.C, 33 %RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDM), 5180 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	48.77	32.16	17.18	43.07	2.49	57.53	73.9	16.3	216	117	-
Hori.	5150.000	AV	36.62	32.16	17.18	43.07	2.49	45.38	53.9	8.5	216	117	VBW:10 Hz
Vert.	5150.000	PK	47.71	32.16	17.18	43.07	2.49	56.47	73.9	17.4	149	235	-
Vert.	5150.000	AV	36.56	32.16	17.18	43.07	2.49	45.32	53.9	8.5	149	235	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

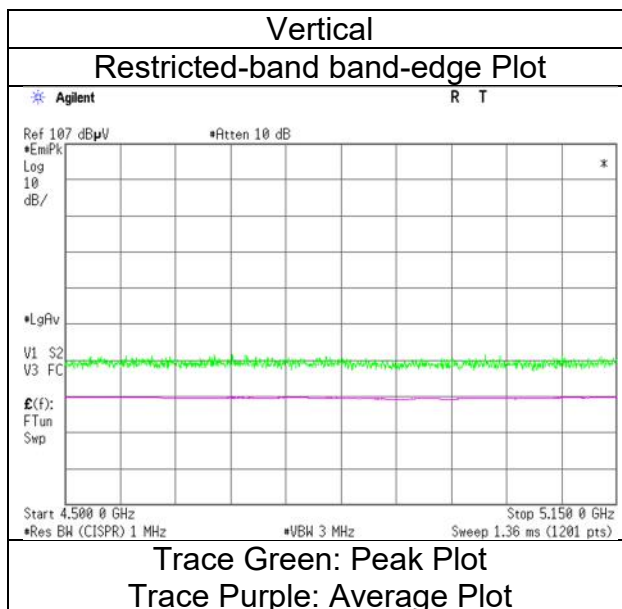
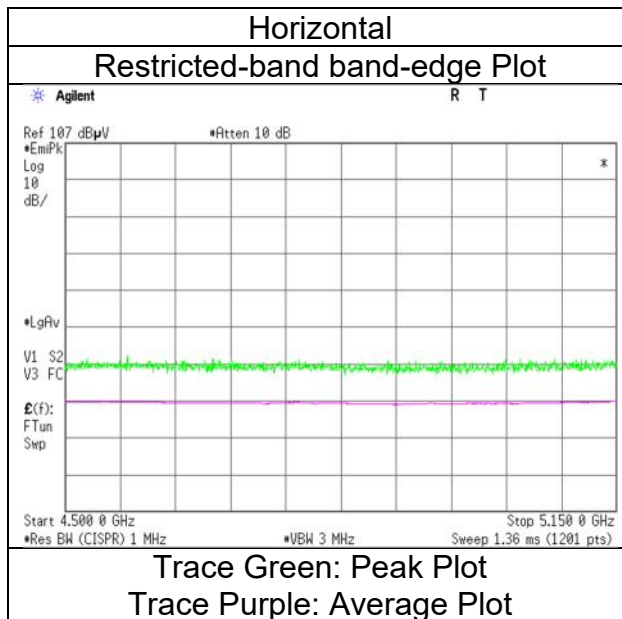
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
December 4, 2023
21 deg.C, 33 %RH
Akihiro Oda
Tx 11ax-20 (OFDM), 5180 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 21 deg.C, 33 %RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDM), 5320 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	48.91	31.98	17.30	43.30	2.49	57.38	73.9	16.5	230	115	-
Hori.	5350.000	AV	37.08	31.98	17.30	43.30	2.49	45.55	53.9	8.3	230	115	VBW:10 Hz
Vert.	5350.000	PK	48.57	31.98	17.30	43.30	2.49	57.04	73.9	16.8	145	235	-
Vert.	5350.000	AV	36.91	31.98	17.30	43.30	2.49	45.38	53.9	8.5	145	235	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

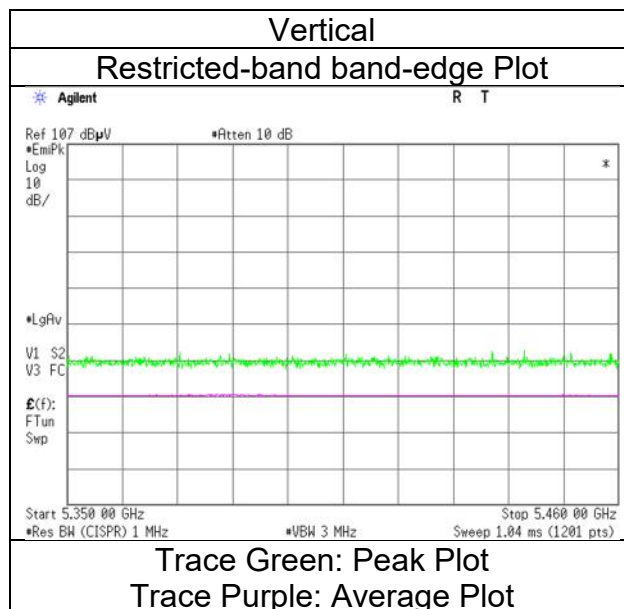
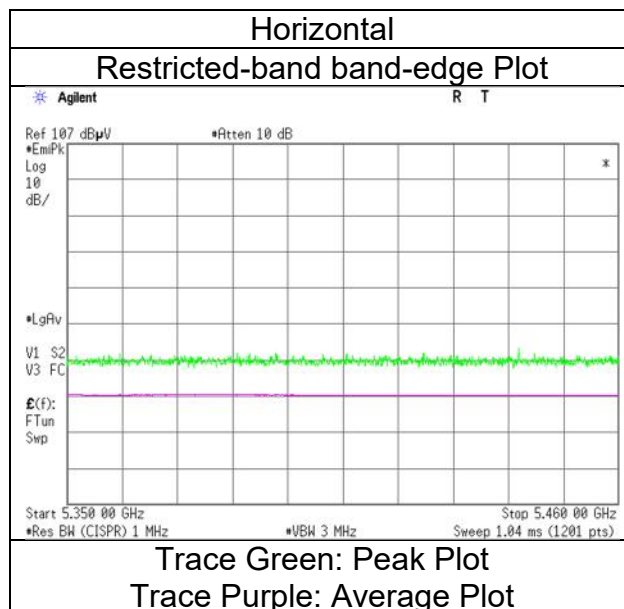
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
December 4, 2023
21 deg.C, 33 %RH
Akihiro Oda
Tx 11ax-20 (OFDM), 5320 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 4, 2023
Temperature / Humidity 21 deg.C, 33 %RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDM), 5500 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	49.03	32.24	17.38	43.42	2.49	57.72	73.9	16.1	199	114	-
Hori.	5460.000	AV	37.39	32.24	17.38	43.42	2.49	46.08	53.9	7.8	199	114	VBW:10 Hz
Vert.	5460.000	PK	50.03	32.24	17.38	43.42	2.49	58.72	73.9	15.1	153	234	-
Vert.	5460.000	AV	37.21	32.24	17.38	43.42	2.49	45.90	53.9	8.0	153	234	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	50.13	32.25	17.39	43.44	2.49	58.82	-36.41	-27.0	9.4	199	114	-
Vert.	5470.000	PK	50.11	32.25	17.39	43.44	2.49	58.80	-36.43	-27.0	9.4	153	234	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

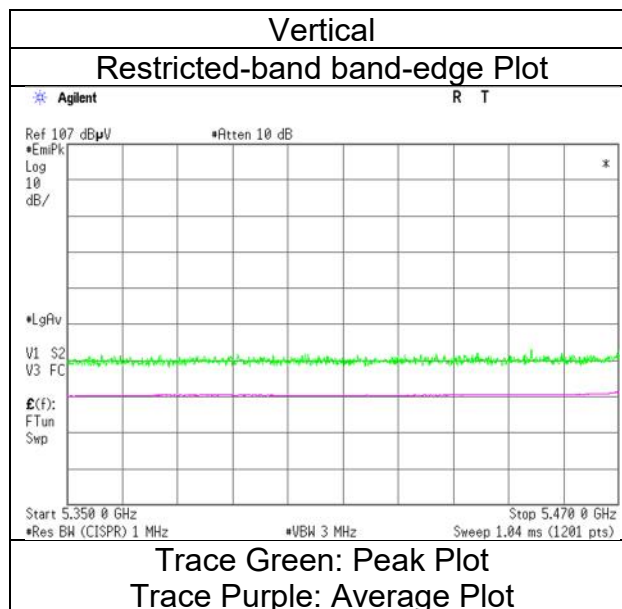
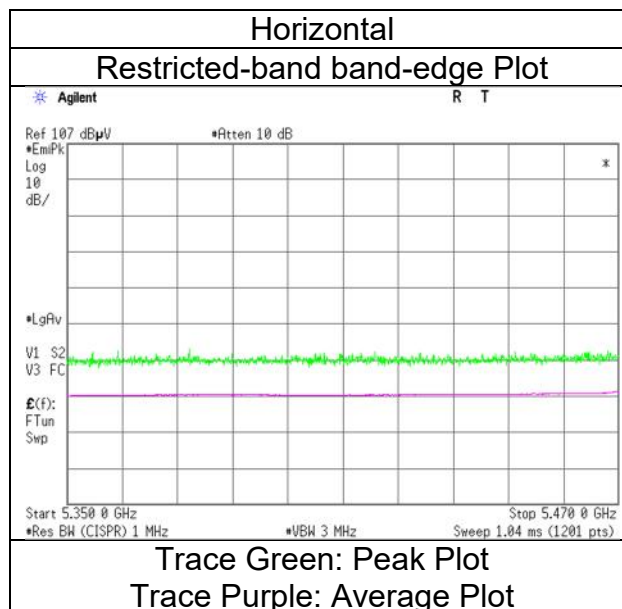
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
December 4, 2023
21 deg.C, 33 %RH
Akihiro Oda
Tx 11ax-20 (OFDM), 5500 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	21 deg.C, 33 %RH
Engineer	Akihiro Oda
	(1 GHz -6.4 GHz)
Mode	Tx 11ax-20 (OFDM), 5700 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	49.32	32.63	17.53	43.42	2.49	58.55	-36.68	-27.0	9.6	210	120	-
Vert.	5725.000	PK	49.86	32.63	17.53	43.42	2.49	59.09	-36.14	-27.0	9.1	147	236	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
 Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

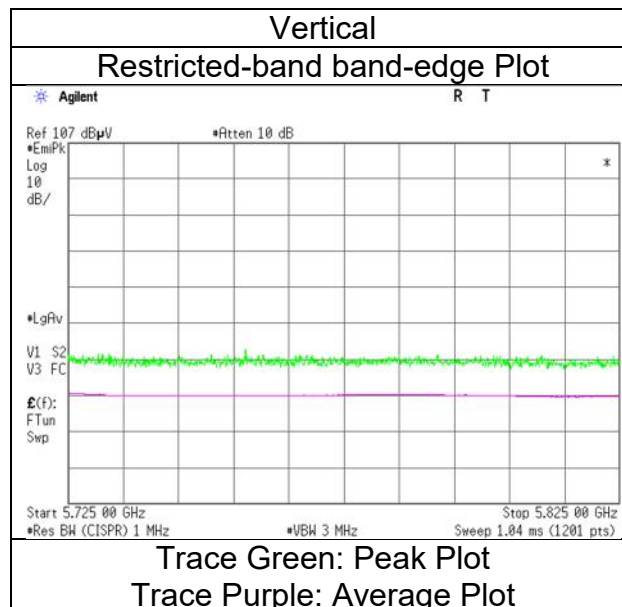
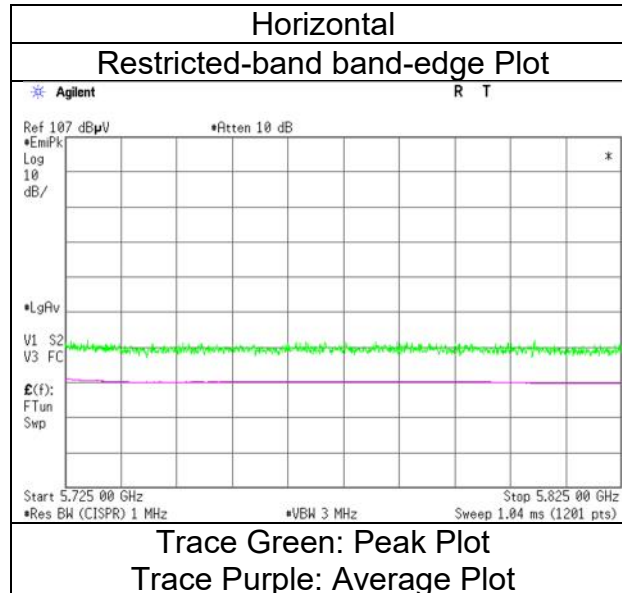
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
December 4, 2023
21 deg.C, 33 %RH
Akihiro Oda
Tx 11ax-20 (OFDM), 5700 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	21 deg.C, 33 %RH
Engineer	Akihiro Oda
	(1 GHz -6.4 GHz)
Mode	Tx 11ax-20 (OFDM), 5745 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	48.28	32.44	17.50	43.44	2.49	57.27	-37.96	-27.0	10.9	183	116	-
Hori.	5700.000	PK	48.86	32.56	17.52	43.43	2.49	58.00	-37.23	10.0	47.2	183	116	-
Hori.	5720.000	PK	48.30	32.61	17.53	43.42	2.49	57.51	-37.72	15.6	53.3	183	116	-
Hori.	5725.000	PK	48.47	32.63	17.53	43.42	2.49	57.70	-37.53	27.0	64.5	183	116	-
Vert.	5650.000	PK	48.97	32.44	17.50	43.44	2.49	57.96	-37.27	-27.0	10.2	151	234	-
Vert.	5700.000	PK	48.10	32.56	17.52	43.43	2.49	57.24	-37.99	10.0	47.9	151	234	-
Vert.	5720.000	PK	48.39	32.61	17.53	43.42	2.49	57.60	-37.63	15.6	53.2	151	234	-
Vert.	5725.000	PK	48.19	32.63	17.53	43.42	2.49	57.42	-37.81	27.0	64.8	151	234	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

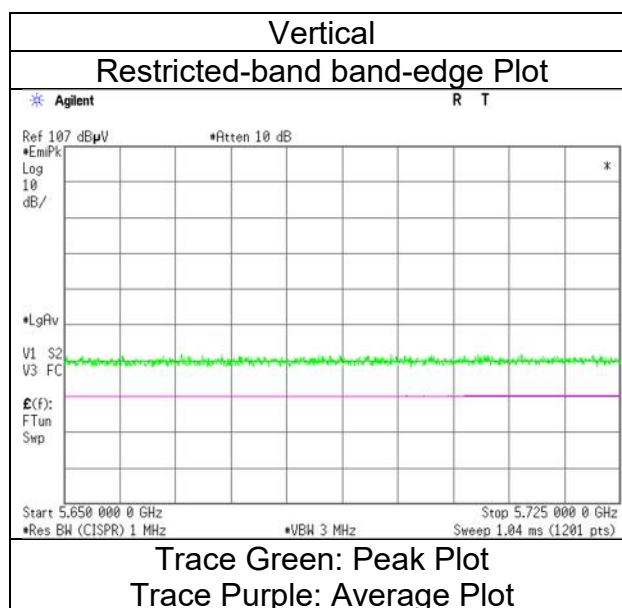
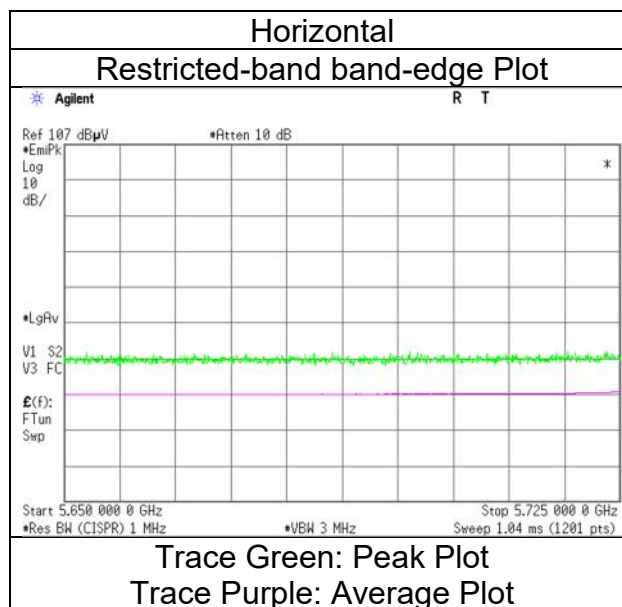
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
December 4, 2023
21 deg.C, 33 %RH
Akihiro Oda
Tx 11ax-20 (OFDM), 5745 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 4, 2023
Temperature / Humidity	21 deg.C, 33 %RH
Engineer	Akihiro Oda
	(1 GHz - 6.4 GHz)
Mode	Tx 11ax-20 (OFDM), 5825 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	49.55	32.94	17.61	43.39	2.49	59.20	-36.03	27.0	63.0	207	111	-
Hori.	5855.000	PK	48.09	32.95	17.61	43.39	2.49	57.75	-37.48	15.6	53.0	207	111	-
Hori.	5875.000	PK	48.47	32.98	17.64	43.39	2.49	58.19	-37.04	10.0	47.0	207	111	-
Hori.	5925.000	PK	48.66	33.06	17.66	43.38	2.49	58.49	-36.74	-27.0	9.7	207	111	-
Vert.	5850.000	PK	49.09	32.94	17.61	43.39	2.49	58.74	-36.49	27.0	63.4	148	233	-
Vert.	5855.000	PK	48.39	32.95	17.61	43.39	2.49	58.05	-37.18	15.6	52.7	148	233	-
Vert.	5875.000	PK	48.54	32.98	17.64	43.39	2.49	58.26	-36.97	10.0	46.9	148	233	-
Vert.	5925.000	PK	49.76	33.06	17.66	43.38	2.49	59.59	-35.64	-27.0	8.6	148	233	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

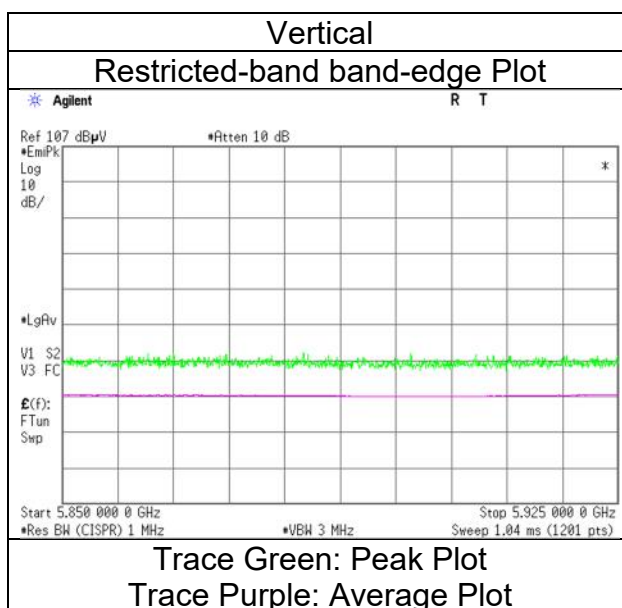
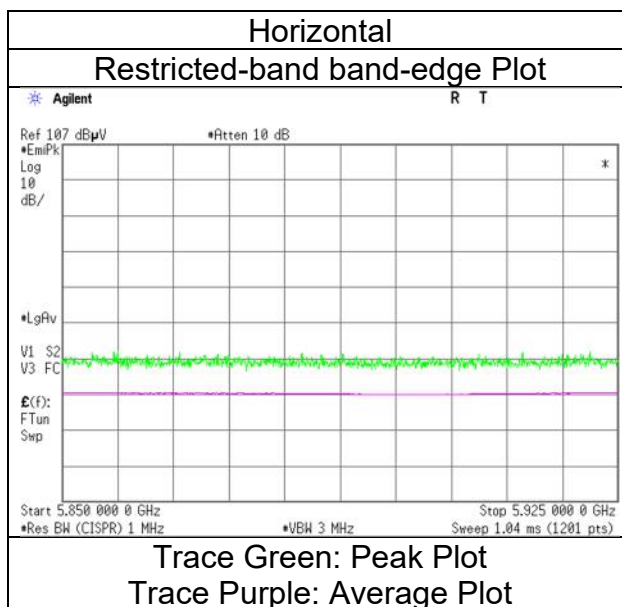
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
December 4, 2023
21 deg.C, 33 %RH
Akihiro Oda
Tx 11ax-20 (OFDM), 5825 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 6, 2023
Temperature / Humidity 22 deg.C, 30 %RH
Engineer Shiro Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11n-40, 5190 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.15	32.16	17.18	43.07	2.49	57.91	73.9	15.9	276	46	-
Hori.	5150.000	AV	36.45	32.16	17.18	43.07	2.49	45.21	53.9	8.6	276	46	VBW:10 Hz
Vert.	5150.000	PK	48.47	32.16	17.18	43.07	2.49	57.23	73.9	16.6	213	234	-
Vert.	5150.000	AV	35.58	32.16	17.18	43.07	2.49	44.34	53.9	9.5	213	234	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

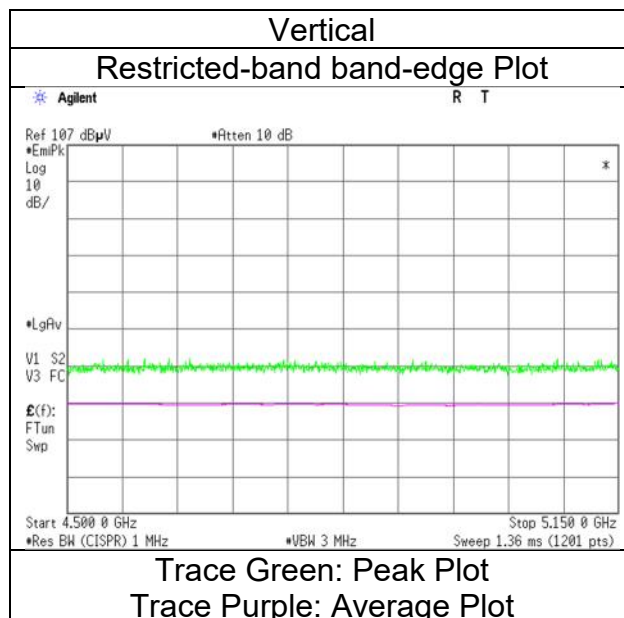
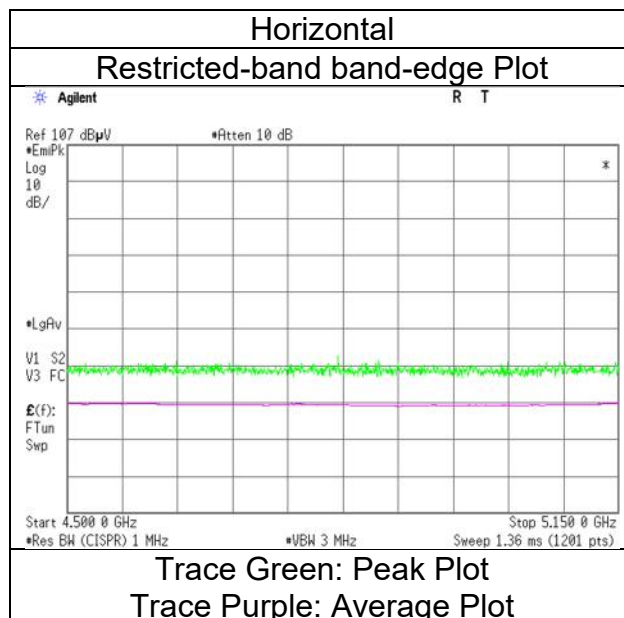
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
December 6, 2023
22 deg.C, 30 %RH
Shiro Kobayashi
Tx 11n-40, 5190 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 6, 2023
Temperature / Humidity 22 deg.C, 30 %RH
Engineer Shiro Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11n-40, 5310 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	49.49	31.98	17.30	43.30	2.49	57.96	73.9	15.9	280	48	-
Hori.	5350.000	AV	37.07	31.98	17.30	43.30	2.49	45.54	53.9	8.3	280	48	VBW:10 Hz
Vert.	5350.000	PK	48.37	31.98	17.30	43.30	2.49	56.84	73.9	17.0	216	226	-
Vert.	5350.000	AV	37.01	31.98	17.30	43.30	2.49	45.48	53.9	8.4	216	226	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

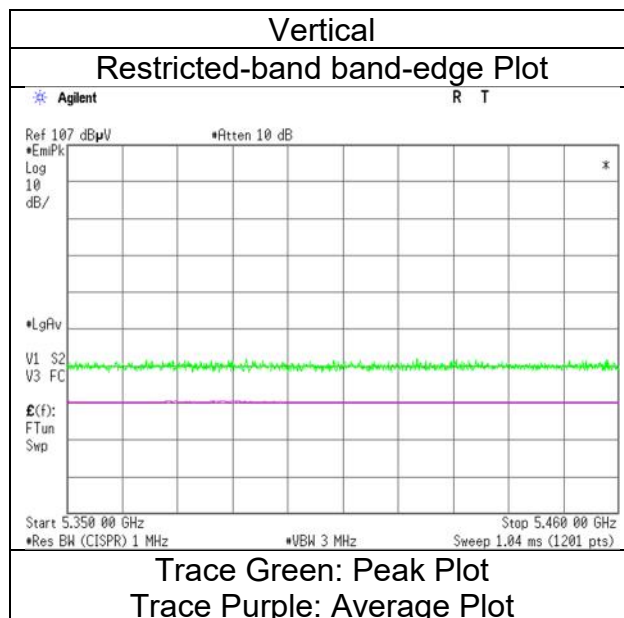
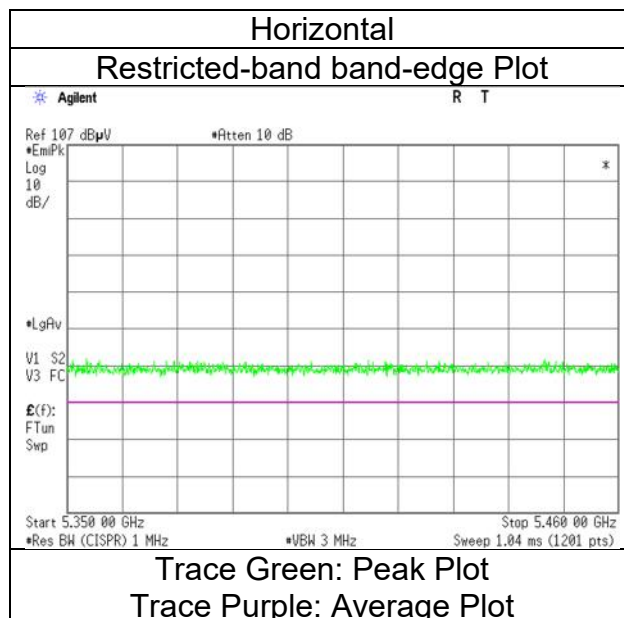
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
December 6, 2023
22 deg.C, 30 %RH
Shiro Kobayashi
Tx 11n-40, 5310 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 6, 2023
Temperature / Humidity 22 deg.C, 30 %RH
Engineer Shiro Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11n-40, 5510 MHz with DH5 Hopping

(above 1 GHz Inside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	49.71	32.24	17.38	43.42	2.49	58.40	73.9	15.5	312	45	-
Hori.	5460.000	AV	37.23	32.24	17.38	43.42	2.49	45.92	53.9	7.9	312	45	VBW:10 Hz
Vert.	5460.000	PK	48.89	32.24	17.38	43.42	2.49	57.58	73.9	16.3	202	218	-
Vert.	5460.000	AV	37.19	32.24	17.38	43.42	2.49	45.88	53.9	8.0	202	218	VBW:10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	49.64	32.25	17.39	43.44	2.49	58.33	-36.90	-27.0	9.9	312	45	-
Vert.	5470.000	PK	49.11	32.25	17.39	43.44	2.49	57.80	-37.43	-27.0	10.4	202	218	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = $10 * \text{LOG}((10^{(\text{Electric Field Strength [dBuV/m]} / 20)} * 10^{(-6)} * \text{Distance : 3 [m]})^2 / 30 * 10^{(3)})$

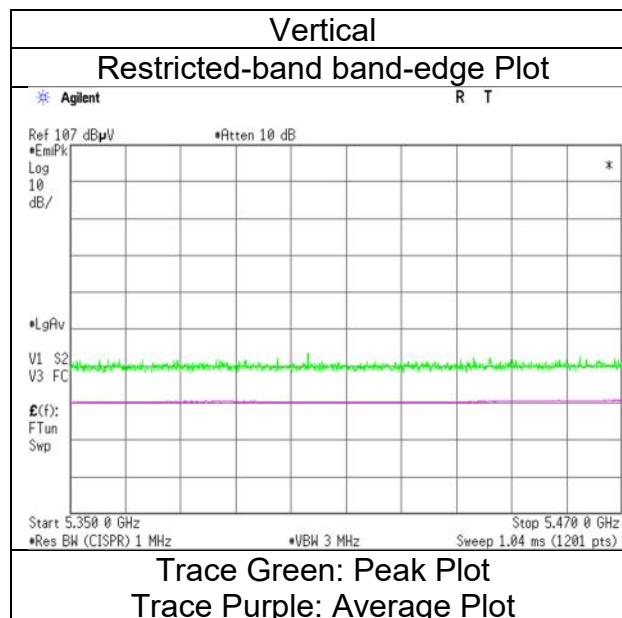
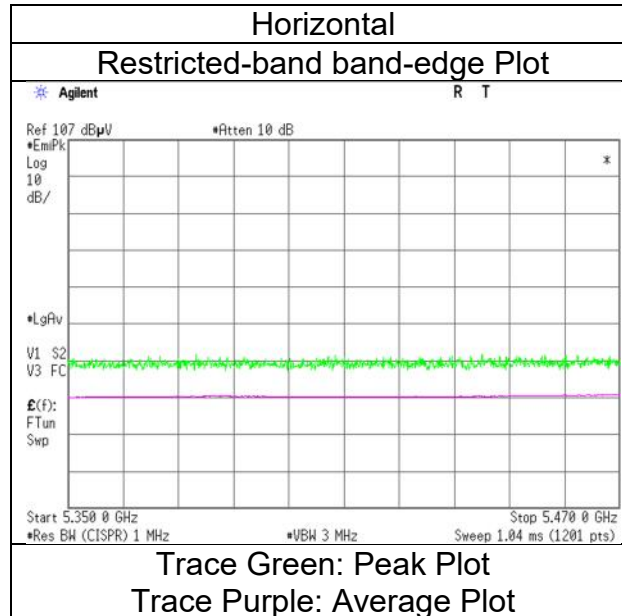
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

10 GHz - 40 GHz : $20\log(1.0\text{ m} / 3.0\text{ m}) = -9.54\text{ dB}$

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 6, 2023
Temperature / Humidity	22 deg.C, 30 %RH
Engineer	Shiro Kobayashi
Mode	Tx 11n-40, 5510 MHz with DH5 Hopping



* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 6, 2023
Temperature / Humidity 22 deg.C, 30 %RH
Engineer Shiro Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11n-40, 5670 MHz with DH5 Hopping

(Calculation) (above 1 GHz Outside of the restricted band)

(* PK: Peak, AV: Average, QP: Quasi-Peak)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	49.11	32.63	17.53	43.42	2.49	58.34	-36.89	-27.0	9.8	152	46	-
Vert.	5725.000	PK	48.91	32.63	17.53	43.42	2.49	58.14	-37.09	-27.0	10.0	195	226	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB