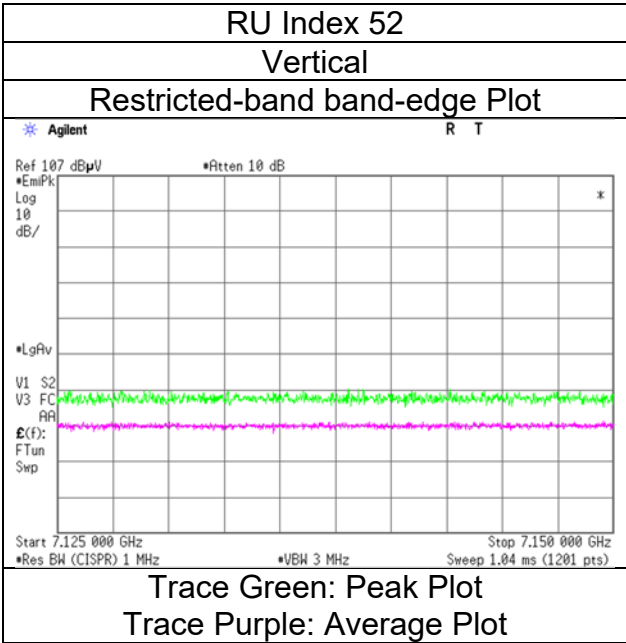
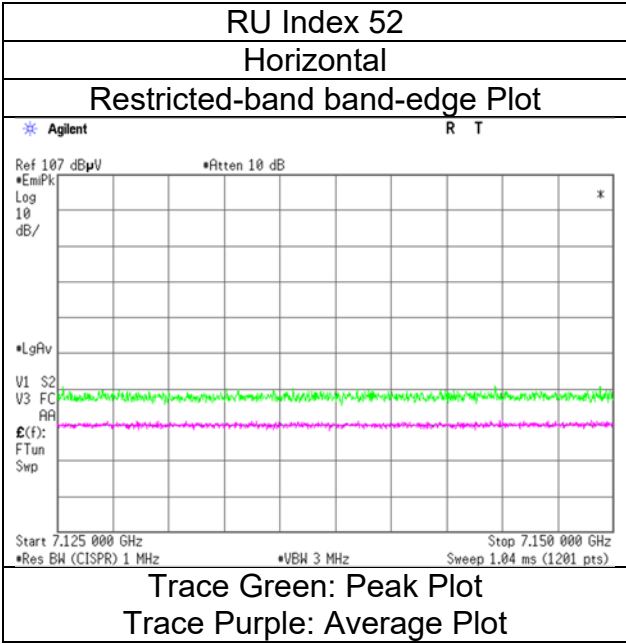


Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
February 12, 2024
21 deg. C / 31 % RH
Akihiro Oda
Tx 11ax-80 (OFDMA) 52-tone RU, 7025 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 February 12, 2024
Temperature / Humidity 21 deg. C / 31 % RH
Engineer Akihiro Oda
(1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 7025 MHz

RU Index 60

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

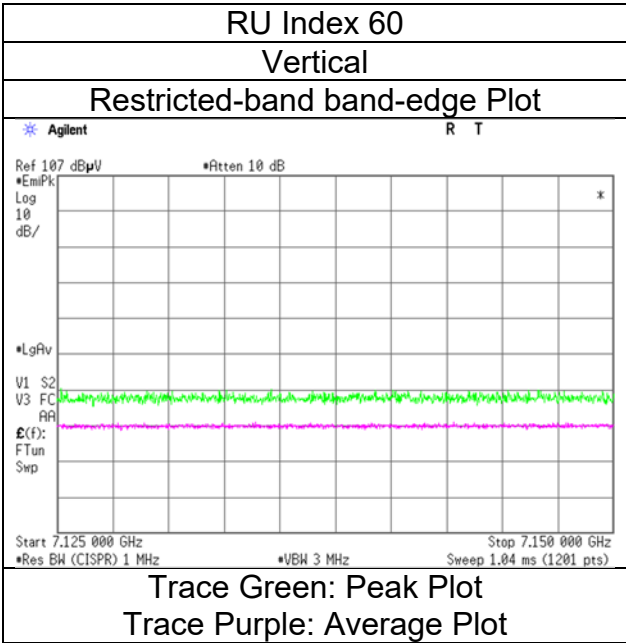
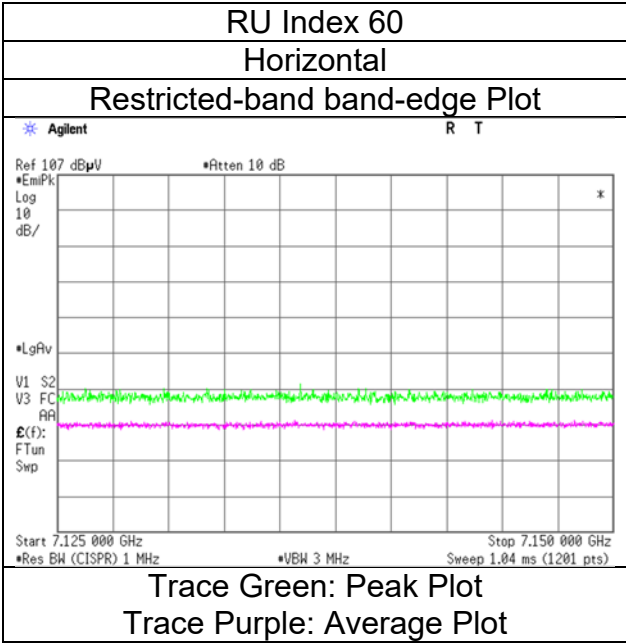
(* PK: Peak, AV: Average, QP: Quasi-Peak)															
Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.23	37.00	17.71	43.29	0.00	2.49	62.14	-33.09	-7.0	26.0	152	28	-
Hori.	7125.000	AV	38.35	37.00	17.71	43.29	0.00	2.49	52.26	-42.97	-27.0	15.9	152	28	-
Vert.	7125.000	PK	47.99	37.00	17.71	43.29	0.00	2.49	61.90	-33.33	-7.0	26.3	148	253	-
Vert.	7125.000	AV	38.62	37.00	17.71	43.29	0.00	2.49	52.53	-42.70	-27.0	15.7	148	253	-

Result (PK) [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (AV) [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Duty factor + 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
February 12, 2024
21 deg. C / 31 % RH
Akihiro Oda
Tx 11ax-80 (OFDMA) 106-tone RU, 7025 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 February 12, 2024
Temperature / Humidity 21 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 242-tone RU, 7025 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.77	37.00	17.71	43.29	0.00	2.49	62.68	-32.55	-7.0	25.5	148	64	-
Hori.	7125.000	AV	38.41	37.00	17.71	43.29	0.00	2.49	52.32	-42.91	-27.0	15.9	148	64	-
Vert.	7125.000	PK	48.81	37.00	17.71	43.29	0.00	2.49	62.72	-32.51	-7.0	25.5	191	274	-
Vert.	7125.000	AV	38.95	37.00	17.71	43.29	0.00	2.49	52.86	-42.37	-27.0	15.3	191	274	-

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

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

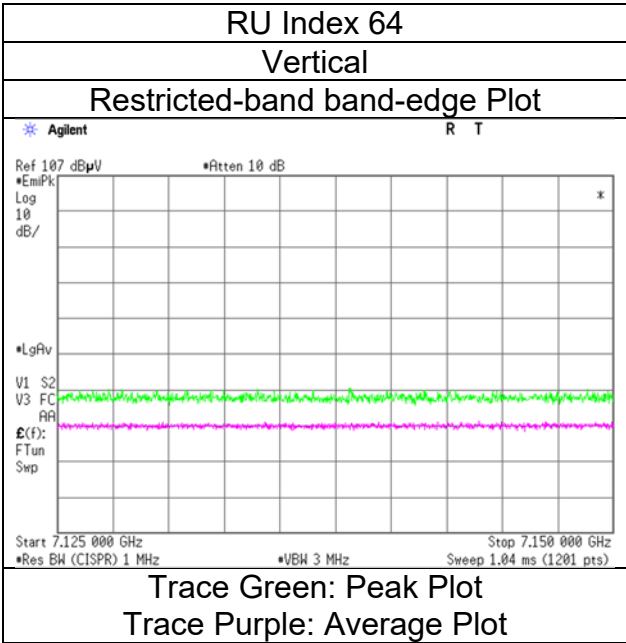
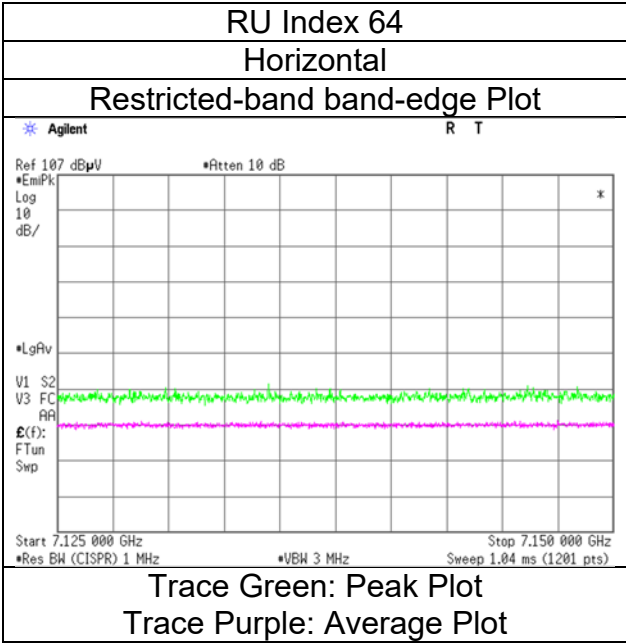
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 12, 2024
21 deg. C / 31 % RH
Akihiro Oda
Tx 11ax-80 (OFDMA) 242-tone RU, 7025 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 February 12, 2024
Temperature / Humidity 21 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 484-tone RU, 7025 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.23	37.00	17.71	43.29	0.00	2.49	63.14	-32.09	-7.0	25.0	171	92	-
Hori.	7125.000	AV	38.32	37.00	17.71	43.29	0.00	2.49	52.23	-43.00	-27.0	16.0	171	92	-
Vert.	7125.000	PK	47.74	37.00	17.71	43.29	0.00	2.49	61.65	-33.58	-7.0	26.5	173	326	-
Vert.	7125.000	AV	38.53	37.00	17.71	43.29	0.00	2.49	52.44	-42.79	-27.0	15.7	173	326	-

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

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

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

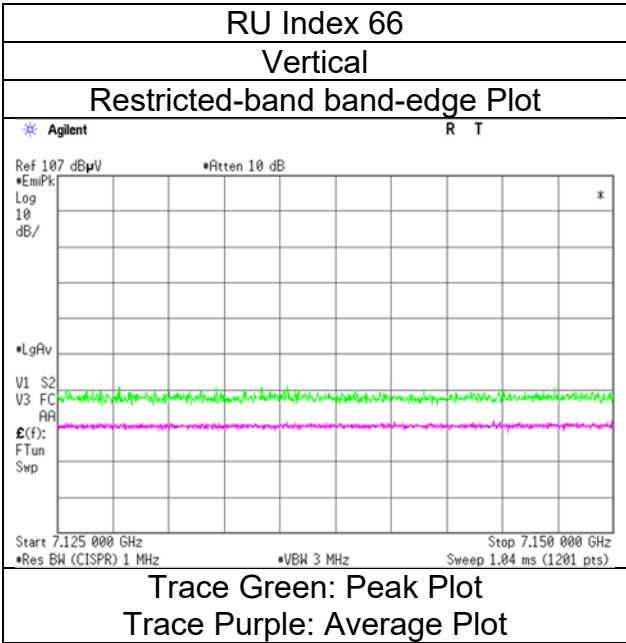
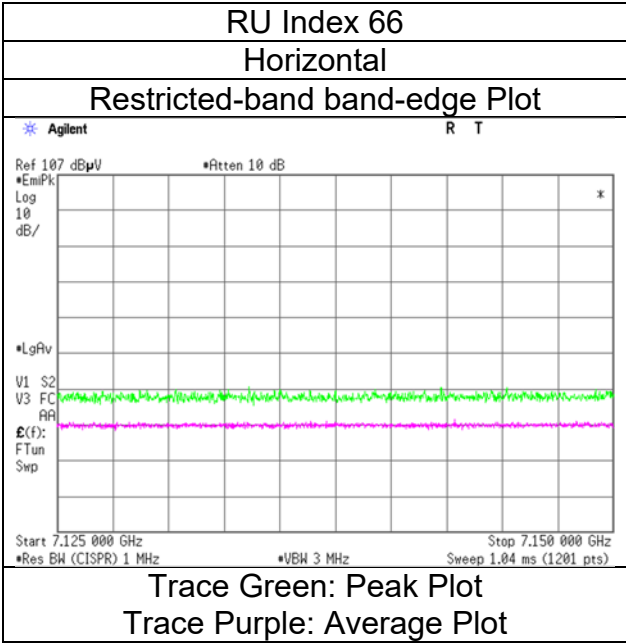
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	February 12, 2024
Temperature / Humidity	21 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-80 (OFDMA) 484-tone RU, 7025 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 3, 2023
Temperature / Humidity 24 deg. C / 40 % RH
Engineer Yohsuke Matsuzawa
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 996-tone RU, 7025 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.24	37.00	17.89	43.29	0.00	2.49	63.33	-31.90	-7.0	24.9	263	55	-
Hori.	7125.000	AV	38.14	37.00	17.89	43.29	0.20	2.49	52.43	-42.80	-27.0	15.8	263	55	-
Vert.	7125.000	PK	49.98	37.00	17.89	43.29	0.00	2.49	64.07	-31.16	-7.0	24.1	132	223	-
Vert.	7125.000	AV	38.84	37.00	17.89	43.29	0.20	2.49	53.13	-42.10	-27.0	15.1	132	223	-

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

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

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

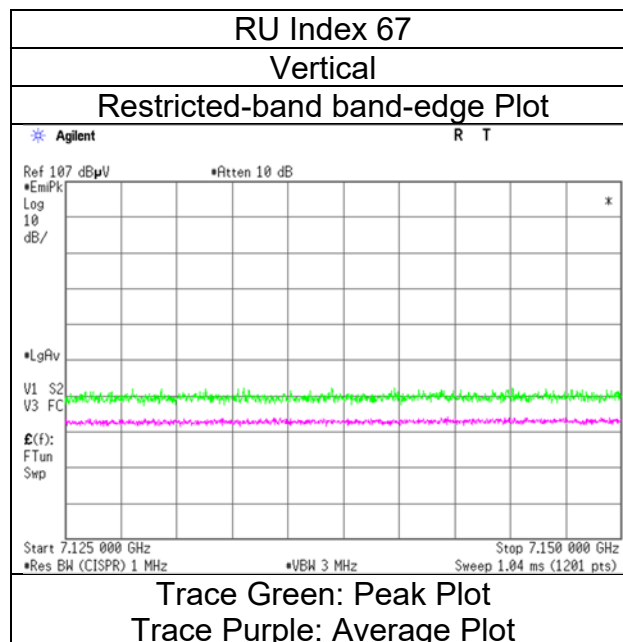
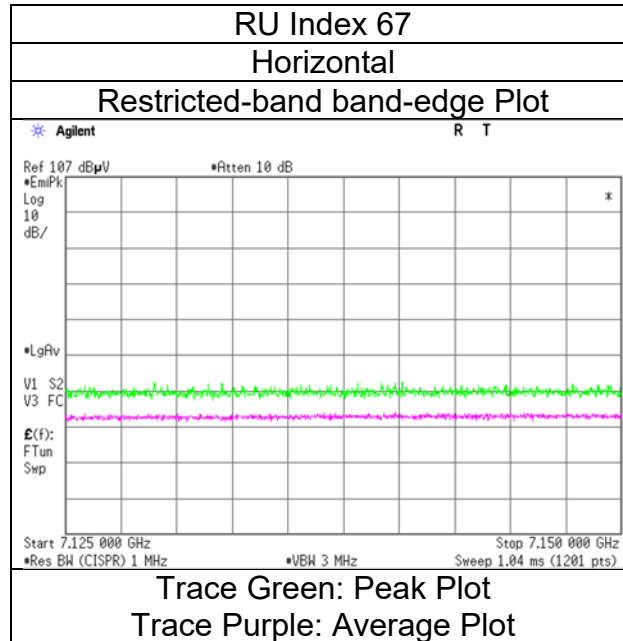
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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 3, 2023
Temperature / Humidity	24 deg. C / 40 % RH
Engineer	Yohsuke Matsuzawa
Mode	Tx 11ax-80 (OFDMA) 996-tone RU, 7025 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 3
Date January 15, 2024
Temperature / Humidity 21 deg.C, 28 %RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDM), 5955 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.09	33.06	17.80	43.38	0.00	2.49	59.06	-36.17	-7.0	29.1	106	28	-
Hori.	5925.000	AV	39.82	33.06	17.80	43.38	0.00	2.49	49.79	-45.44	-27.0	18.4	106	28	-
Vert.	5925.000	PK	49.47	33.06	17.80	43.38	0.00	2.49	59.44	-35.79	-7.0	28.7	253	226	-
Vert.	5925.000	AV	39.92	33.06	17.80	43.38	0.00	2.49	49.89	-45.34	-27.0	18.3	253	226	-

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

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

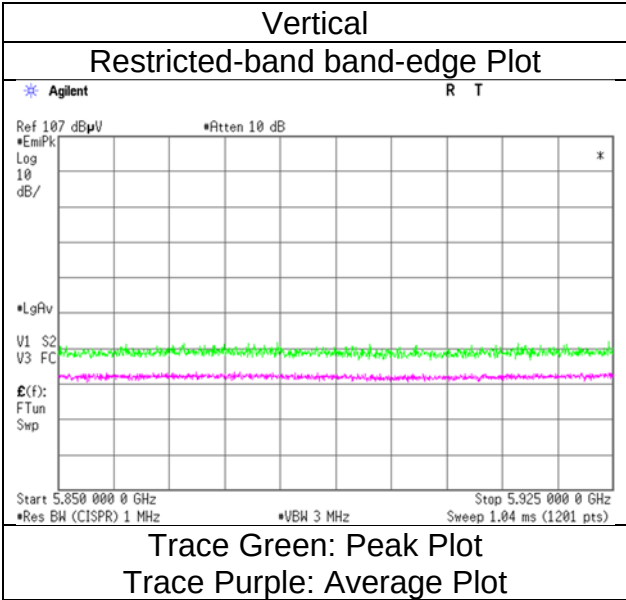
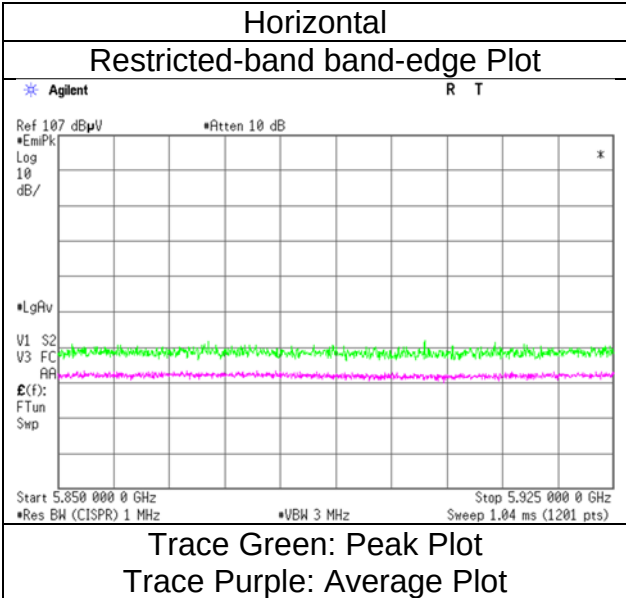
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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.
3
January 15, 2024
21 deg.C, 28 %RH
Yasumasa Owaki
Tx 11ax-20 (OFDM), 5955 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 3
Date January 15, 2024
Temperature / Humidity 21 deg.C, 28 %RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDM), 7095 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.98	37.00	18.54	43.29	0.00	2.49	63.72	-31.51	-7.0	24.5	309	12	-
Hori.	7125.000	AV	39.62	37.00	18.54	43.29	0.00	2.49	54.36	-40.87	-27.0	13.8	309	12	-
Vert.	7125.000	PK	49.27	37.00	18.54	43.29	0.00	2.49	64.01	-31.22	-7.0	24.2	109	266	-
Vert.	7125.000	AV	39.37	37.00	18.54	43.29	0.00	2.49	54.11	-41.12	-27.0	14.1	109	266	-

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

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

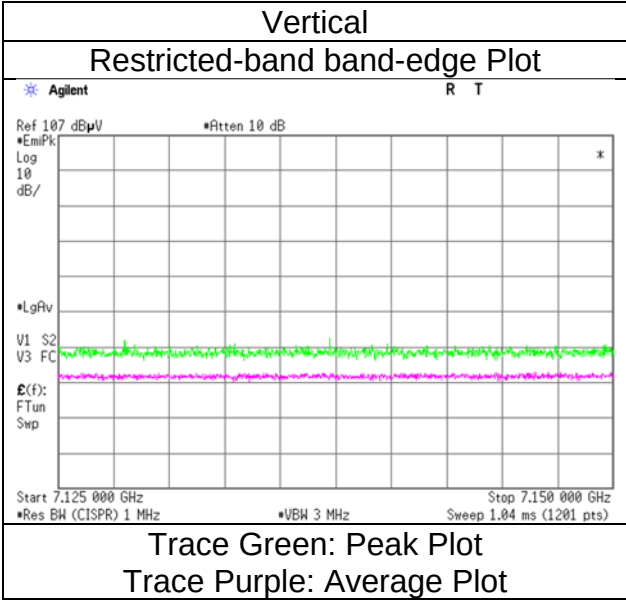
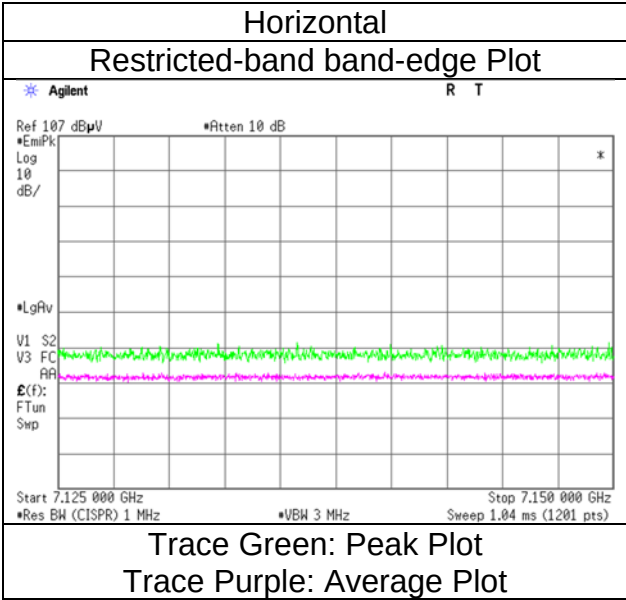
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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.
3
January 15, 2024
21 deg.C, 28 %RH
Yasumasa Owaki
Tx 11ax-20 (OFDM), 7095 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 3
Date January 15, 2024
Temperature / Humidity 21 deg.C, 28 %RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDM), 5965 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	50.66	33.06	17.80	43.38	0.00	2.49	60.63	-34.60	-7.0	27.6	150	33	-
Hori.	5925.000	AV	40.57	33.06	17.80	43.38	0.00	2.49	50.54	-44.69	-27.0	17.6	150	33	-
Vert.	5925.000	PK	49.63	33.06	17.80	43.38	0.00	2.49	59.60	-35.63	-7.0	28.6	312	236	-
Vert.	5925.000	AV	40.51	33.06	17.80	43.38	0.00	2.49	50.48	-44.75	-27.0	17.7	312	236	-

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

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

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

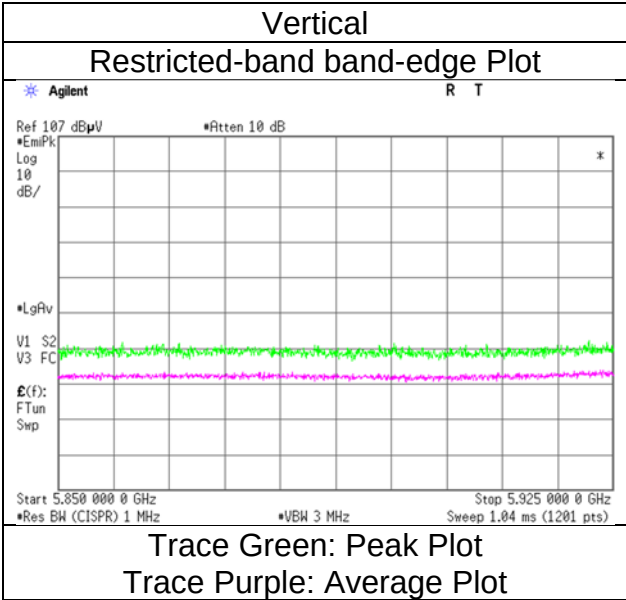
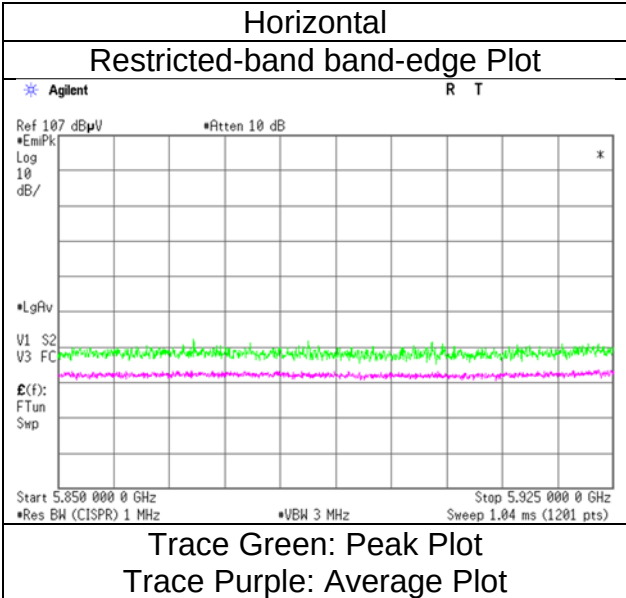
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	3
Date	January 15, 2024
Temperature / Humidity	21 deg.C, 28 %RH
Engineer	Yasumasa Owaki
Mode	Tx 11ax-40 (OFDM), 5965 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 3 3 3 3
Date January 24, 2024 January 15, 2024 January 23, 2024 January 24, 2024
Temperature / Humidity 21 deg.C, 24 %RH 21 deg.C, 28 %RH 23 deg.C, 30 %RH 23 deg.C, 31 %RH
Engineer Yosuke Murakami Yasumasa Owaki Kouki Yamada Takayuki Kobayashi
(Below 1 GHz) (1 GHz -10 GHz) (10 GHz -26.5 GHz) (Above 26.5 GHz)
Mode Tx 11ax-40 (OFDM), 6445 MHz with DH5 Hopping

(below 1 GHz and 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.	30.000	QP	22.50	19.01	6.48	32.20	0.00	15.79	40.0	24.2	100	0	-
Hori.	813.202	QP	21.10	20.80	10.67	31.58	0.00	20.99	46.0	25.0	100	0	-
Hori.	866.395	QP	20.90	21.95	10.85	31.26	0.00	22.44	46.0	23.5	100	0	-
Hori.	926.363	QP	20.50	22.11	11.04	30.89	0.00	22.76	46.0	23.2	100	0	-
Hori.	19335.000	PK	44.14	40.32	13.93	47.44	-9.54	41.41	73.9	32.4	150	0	Floor noise
Hori.	19335.000	AV	32.95	40.32	13.93	47.44	-9.54	30.22	53.9	23.6	150	0	Floor noise
Vert.	30.532	QP	22.60	18.82	6.49	32.20	0.00	15.71	40.0	24.2	100	0	-
Vert.	849.005	QP	21.10	21.54	10.80	31.37	0.00	22.07	46.0	23.9	100	0	-
Vert.	881.698	QP	20.90	22.01	10.91	31.17	0.00	22.65	46.0	23.3	100	0	-
Vert.	936.150	QP	20.60	22.07	11.08	30.82	0.00	22.93	46.0	23.0	100	0	-
Vert.	19335.000	PK	43.66	40.32	13.93	47.44	-9.54	40.93	73.9	32.9	150	0	Floor noise
Vert.	19335.000	AV	33.04	40.32	13.93	47.44	-9.54	30.31	53.9	23.5	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 : 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	12890.000	PK	46.25	38.57	10.53	41.87	0.00	-9.54	43.94	-51.29	-7.0	44.2	150	0	Floor noise
Hori.	25780.000	PK	44.43	40.69	16.30	47.03	0.00	-9.54	44.85	-50.38	-7.0	43.3	150	0	Floor noise
Hori.	12890.000	AV	37.09	38.57	10.53	41.87	0.00	-9.54	34.78	-60.45	-27.0	33.4	150	0	Floor noise
Hori.	25780.000	AV	34.05	40.69	16.30	47.03	0.00	-9.54	34.47	-60.76	-27.0	33.7	150	0	Floor noise
Vert.	12890.000	PK	46.34	38.57	10.53	41.87	0.00	-9.54	44.03	-51.20	-7.0	44.2	150	0	Floor noise
Vert.	25780.000	PK	44.77	40.69	16.30	47.03	0.00	-9.54	45.19	-50.04	-7.0	43.0	150	0	Floor noise
Vert.	12890.000	AV	36.97	38.57	10.53	41.87	0.00	-9.54	34.66	-60.57	-27.0	33.5	150	0	Floor noise
Vert.	25780.000	AV	34.11	40.69	16.30	47.03	0.00	-9.54	34.53	-60.70	-27.0	33.7	150	0	Floor noise

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

Result (AV) [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Duty factor + 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 3
Date January 15, 2024
Temperature / Humidity 21 deg.C, 28 %RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDM), 7085 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.89	37.00	18.54	43.29	0.00	2.49	63.63	-31.60	-7.0	24.6	259	14	-
Hori.	7125.000	AV	39.54	37.00	18.54	43.29	0.00	2.49	54.28	-40.95	-27.0	13.9	259	14	-
Vert.	7125.000	PK	49.16	37.00	18.54	43.29	0.00	2.49	63.90	-31.33	-7.0	24.3	109	267	-
Vert.	7125.000	AV	39.58	37.00	18.54	43.29	0.00	2.49	54.32	-40.91	-27.0	13.9	109	267	-

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

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

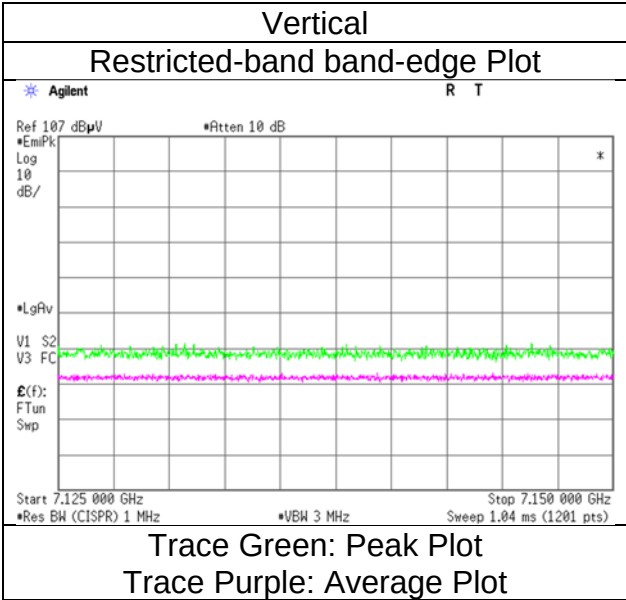
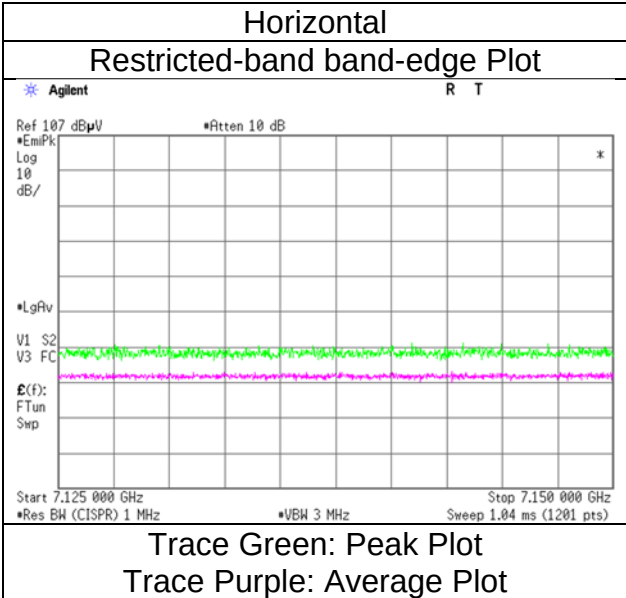
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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.
3
January 15, 2024
21 deg.C, 28 %RH
Yasumasa Owaki
Tx 11ax-40 (OFDM), 7085 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 3
Date January 15, 2024
Temperature / Humidity 21 deg.C, 28 %RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDM), 5985 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.57	33.06	17.80	43.38	0.00	2.49	59.54	-35.69	-7.0	28.6	307	34	-
Hori.	5925.000	AV	39.56	33.06	17.80	43.38	0.22	2.49	49.75	-45.48	-27.0	18.4	307	34	-
Vert.	5925.000	PK	50.29	33.06	17.80	43.38	0.00	2.49	60.26	-34.97	-7.0	27.9	279	230	-
Vert.	5925.000	AV	39.88	33.06	17.80	43.38	0.22	2.49	50.07	-45.16	-27.0	18.1	279	230	-

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

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

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

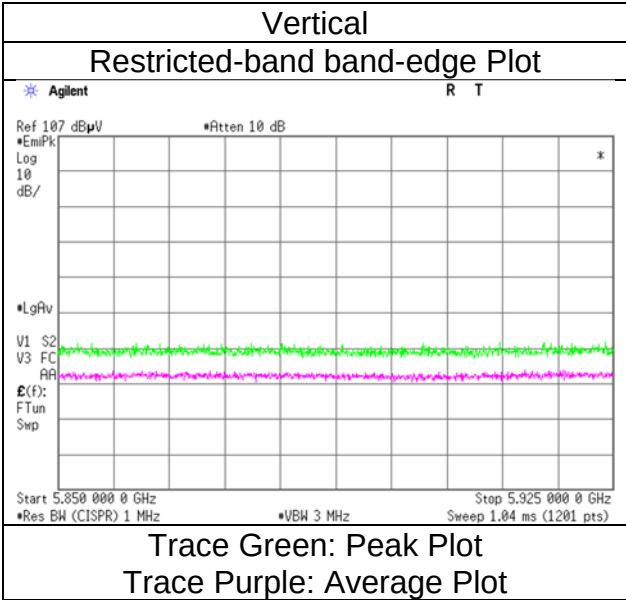
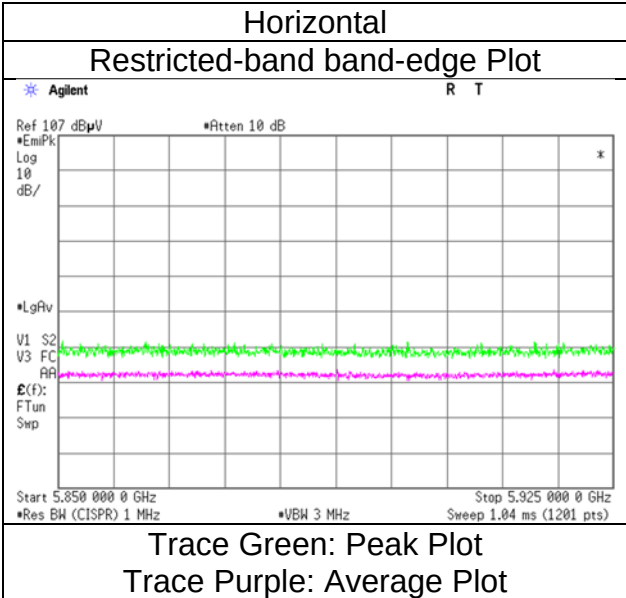
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	3
Date	January 15, 2024
Temperature / Humidity	21 deg.C, 28 %RH
Engineer	Yasumasa Owaki
Mode	Tx 11ax-80 (OFDM), 5985 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 3
Date January 15, 2024
Temperature / Humidity 21 deg.C, 28 %RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ac-80, 7025 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.04	37.00	18.54	43.29	0.00	2.49	63.78	-31.45	-7.0	24.4	337	53	-
Hori.	7125.000	AV	39.16	37.00	18.54	43.29	0.22	2.49	54.12	-41.11	-27.0	14.1	337	53	-
Vert.	7125.000	PK	49.05	37.00	18.54	43.29	0.00	2.49	63.79	-31.44	-7.0	24.4	108	268	-
Vert.	7125.000	AV	39.00	37.00	18.54	43.29	0.22	2.49	53.96	-41.27	-27.0	14.2	108	268	-

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

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

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

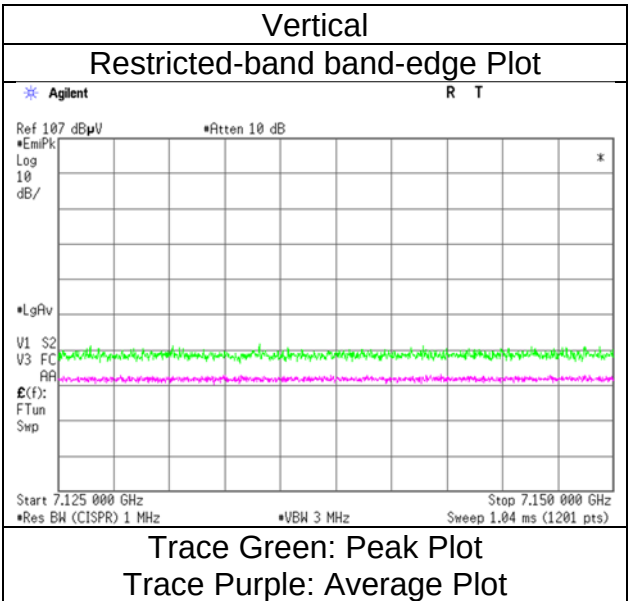
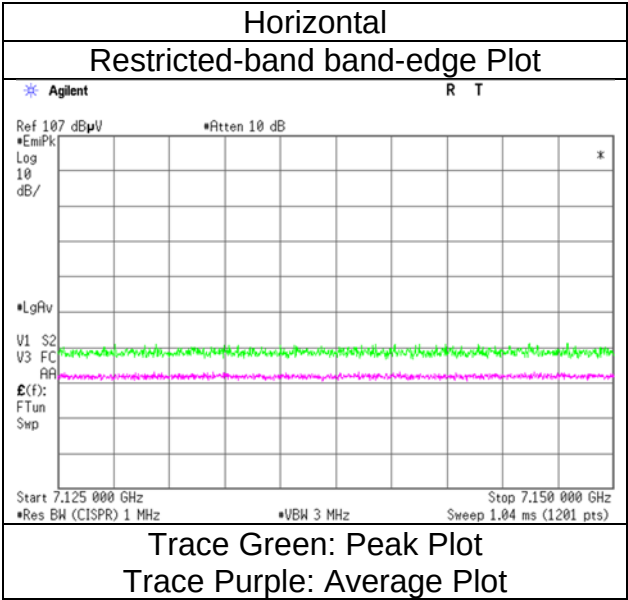
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

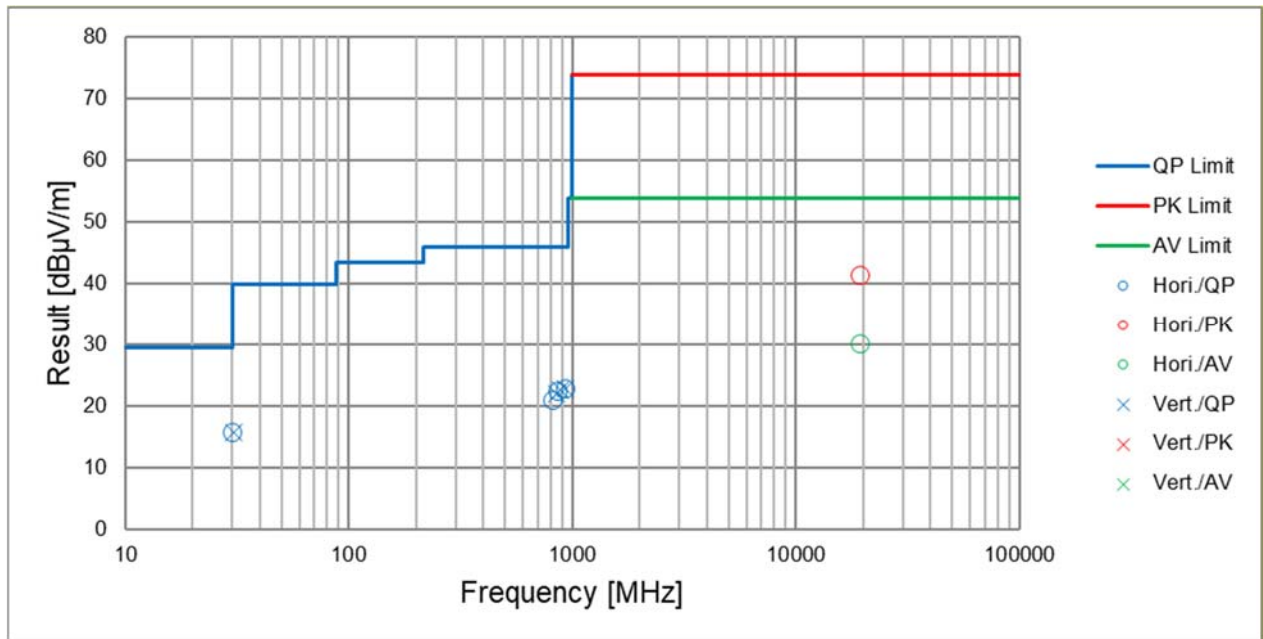
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	January 15, 2024
Temperature / Humidity	21 deg.C, 28 %RH
Engineer	Yasumasa Owaki
Mode	Tx 11ac-80, 7025 MHz with DH5 Hopping



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

Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	3	3	3	3
Date	January 24, 2024	January 15, 2024	January 23, 2024	January 24, 2024
Temperature / Humidity	21 deg.C, 24 %RH	21 deg.C, 28 %RH	23 deg.C, 30 %RH	23 deg.C, 31 %RH
Engineer	Yosuke Murakami	Yasumasa Owaki	Kouki Yamada	Takayuki Kobayashi
	(Below 1 GHz)	(1 GHz -10 GHz)	(10 GHz -26.5 GHz)	(Above 26.5 GHz)
Mode	Tx 11ax-40 (OFDM), 6445 MHz with DH5 Hopping			



*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 January 16, 2024
Temperature / Humidity 21 deg. C / 29 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 26-tone RU, 5955 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	48.82	33.06	17.80	43.38	0.00	2.49	58.79	-36.44	-7.0	29.4	227	76	-
Hori.	5925.000	AV	39.63	33.06	17.80	43.38	0.00	2.49	49.60	-45.63	-27.0	18.6	227	76	-
Vert.	5925.000	PK	49.28	33.06	17.80	43.38	0.00	2.49	59.25	-35.98	-7.0	28.9	279	237	-
Vert.	5925.000	AV	39.59	33.06	17.80	43.38	0.00	2.49	49.56	-45.67	-27.0	18.6	279	237	-

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

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

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

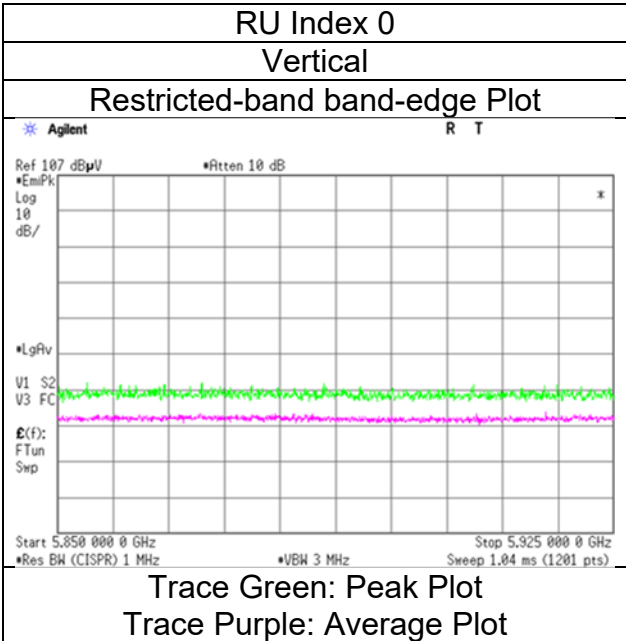
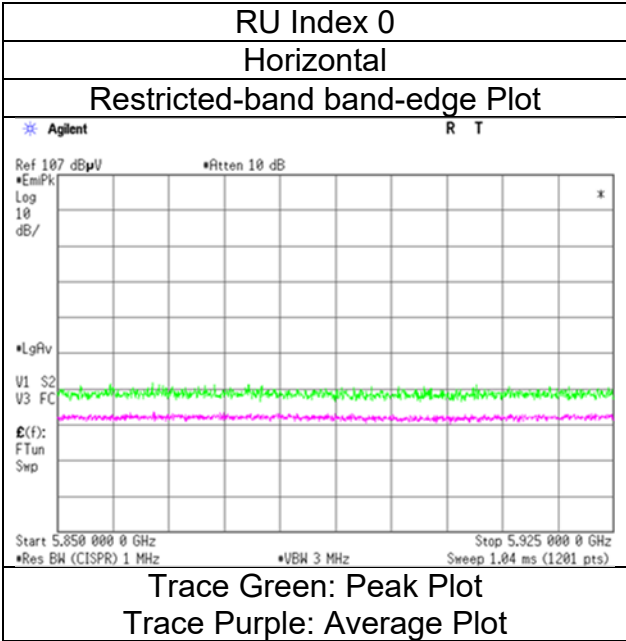
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	January 16, 2024
Temperature / Humidity	21 deg. C / 29 % RH
Engineer	Yasumasa Owaki
Mode	Tx 11ax-20 (OFDMA) 26-tone RU, 5955 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 January 16, 2024
Temperature / Humidity 21 deg. C / 29 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 52-tone RU, 5955 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.39	33.06	17.80	43.38	0.00	2.49	59.36	-35.87	-7.0	28.8	151	249	-
Hori.	5925.000	AV	39.88	33.06	17.80	43.38	0.00	2.49	49.85	-45.38	-27.0	18.3	151	249	-
Vert.	5925.000	PK	48.93	33.06	17.80	43.38	0.00	2.49	58.90	-36.33	-7.0	29.3	278	227	-
Vert.	5925.000	AV	39.70	33.06	17.80	43.38	0.00	2.49	49.67	-45.56	-27.0	18.5	278	227	-

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

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

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

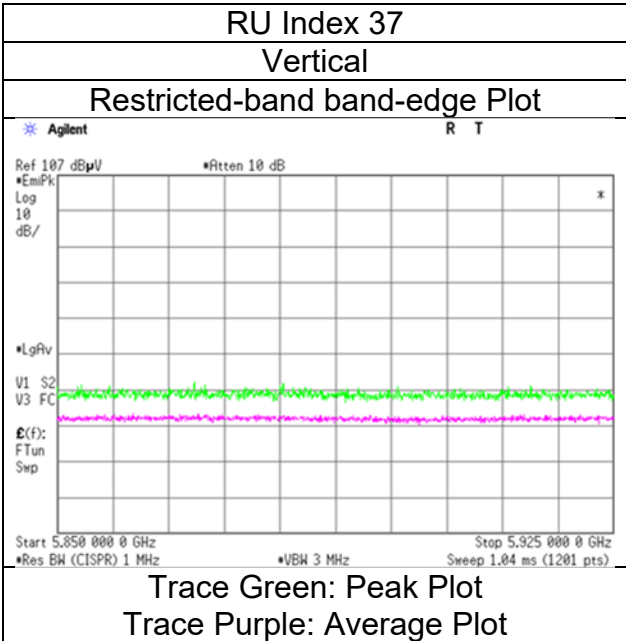
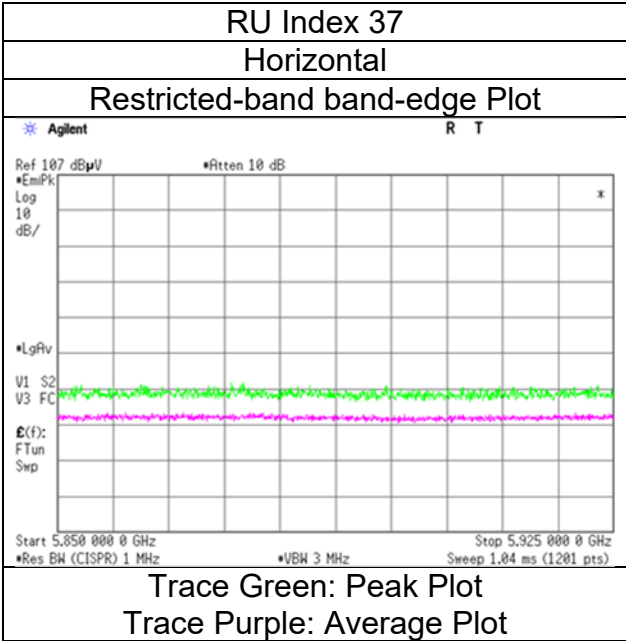
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	January 16, 2024
Temperature / Humidity	21 deg. C / 29 % RH
Engineer	Yasumasa Owaki
Mode	Tx 11ax-20 (OFDMA) 52-tone RU, 5955 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 January 16, 2024
Temperature / Humidity 21 deg. C / 29 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 106-tone RU, 5955 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.22	33.06	17.80	43.38	0.00	2.49	59.19	-36.04	-7.0	29.0	281	76	-
Hori.	5925.000	AV	39.69	33.06	17.80	43.38	0.00	2.49	49.66	-45.57	-27.0	18.5	281	76	-
Vert.	5925.000	PK	49.14	33.06	17.80	43.38	0.00	2.49	59.11	-36.12	-7.0	29.1	278	236	-
Vert.	5925.000	AV	39.88	33.06	17.80	43.38	0.00	2.49	49.85	-45.38	-27.0	18.3	278	236	-

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

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

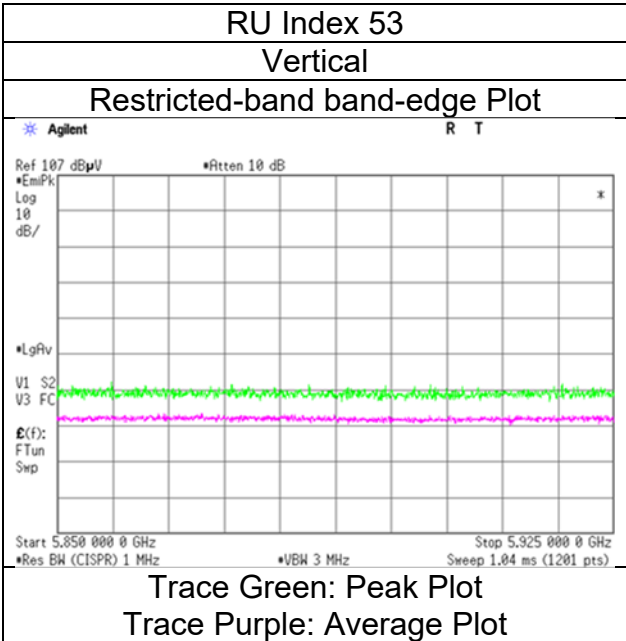
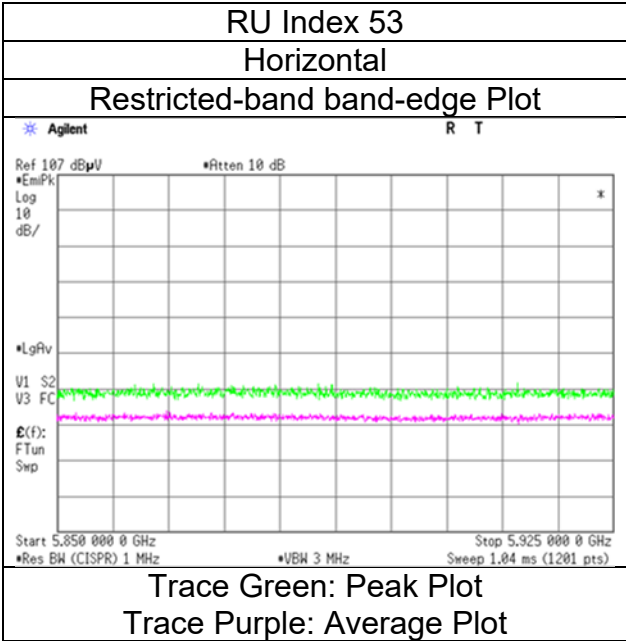
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
January 16, 2024
21 deg. C / 29 % RH
Yasumasa Owaki
Tx 11ax-20 (OFDMA) 106-tone RU, 5955 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 January 16, 2024
Temperature / Humidity 21 deg. C / 29 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 242-tone RU, 5955 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.50	33.06	17.80	43.38	0.00	2.49	59.47	-35.76	-7.0	28.7	281	76	-
Hori.	5925.000	AV	40.02	33.06	17.80	43.38	0.00	2.49	49.99	-45.24	-27.0	18.2	281	76	-
Vert.	5925.000	PK	48.99	33.06	17.80	43.38	0.00	2.49	58.96	-36.27	-7.0	29.2	317	228	-
Vert.	5925.000	AV	39.87	33.06	17.80	43.38	0.00	2.49	49.84	-45.39	-27.0	18.3	317	228	-

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

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

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

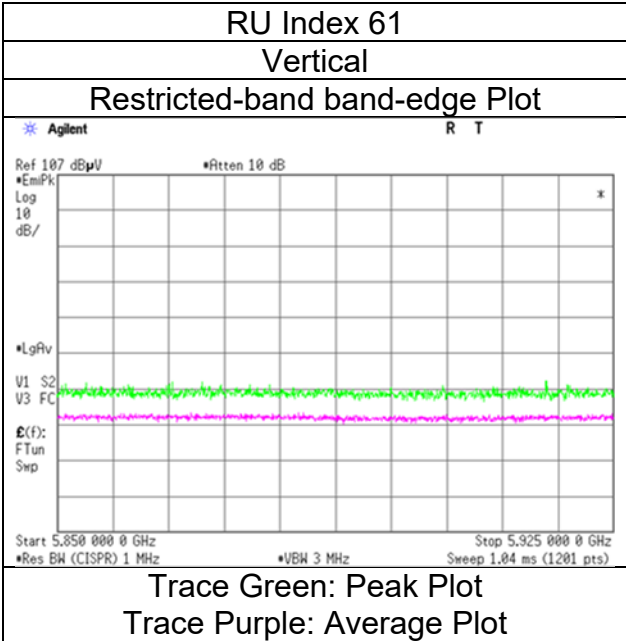
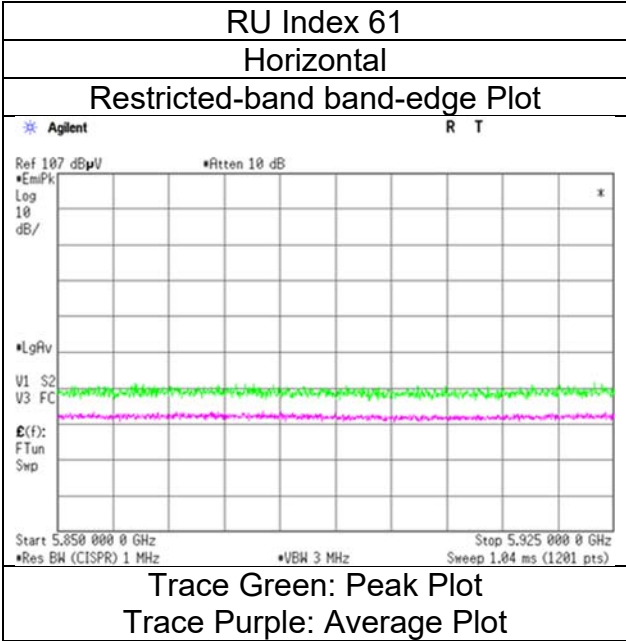
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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 January 16, 2024
Temperature / Humidity 21 deg. C / 29 % RH
Engineer Yasumasa Owaki
Mode Tx 11ax-20 (OFDMA) 242-tone RU, 5955 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 January 16, 2024
Temperature / Humidity 21 deg. C / 29 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 26-tone RU, 7095 MHz With DH5 Hopping

RU Index 8

(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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.33	37.00	18.54	43.29	0.00	2.49	63.07	-32.16	-7.0	25.1	312	8	-
Hori.	7125.000	AV	39.19	37.00	18.54	43.29	0.00	2.49	53.93	-41.30	-27.0	14.3	312	8	-
Vert.	7125.000	PK	48.77	37.00	18.54	43.29	0.00	2.49	63.51	-31.72	-7.0	24.7	173	319	-
Vert.	7125.000	AV	39.14	37.00	18.54	43.29	0.00	2.49	53.88	-41.35	-27.0	14.3	173	319	-

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

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

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

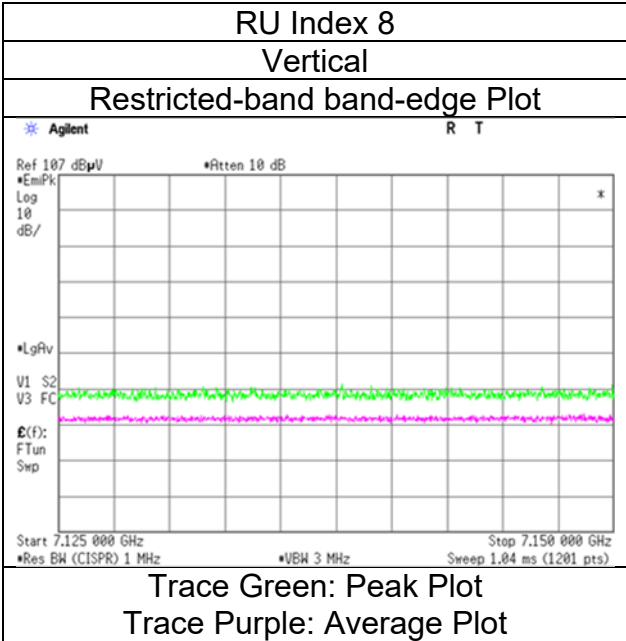
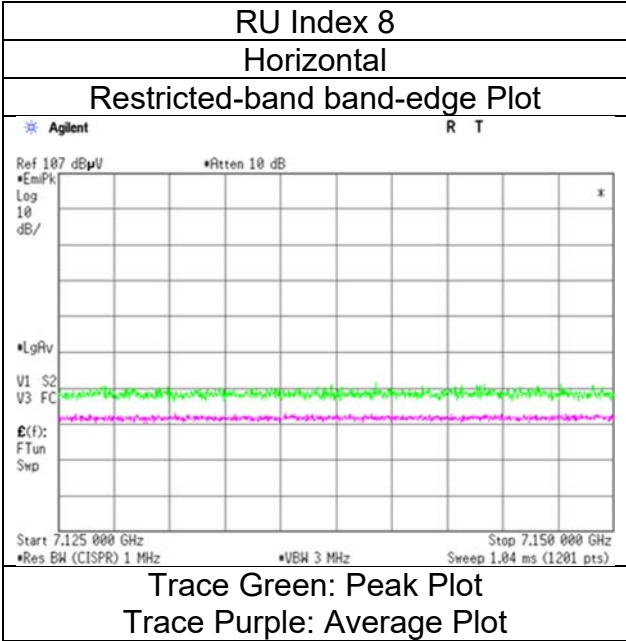
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	January 16, 2024
Temperature / Humidity	21 deg. C / 29 % RH
Engineer	Yasumasa Owaki
Mode	Tx 11ax-20 (OFDMA) 26-tone RU, 7095 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 January 16, 2024
Temperature / Humidity 21 deg. C / 29 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 52-tone RU, 7095 MHz With DH5 Hopping

RU Index 40

(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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.51	37.00	18.54	43.29	0.00	2.49	63.25	-31.98	-7.0	24.9	324	14	-
Hori.	7125.000	AV	39.50	37.00	18.54	43.29	0.00	2.49	54.24	-40.99	-27.0	13.9	324	14	-
Vert.	7125.000	PK	48.09	37.00	18.54	43.29	0.00	2.49	62.83	-32.40	-7.0	25.4	152	318	-
Vert.	7125.000	AV	39.40	37.00	18.54	43.29	0.00	2.49	54.14	-41.09	-27.0	14.0	152	318	-

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

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

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

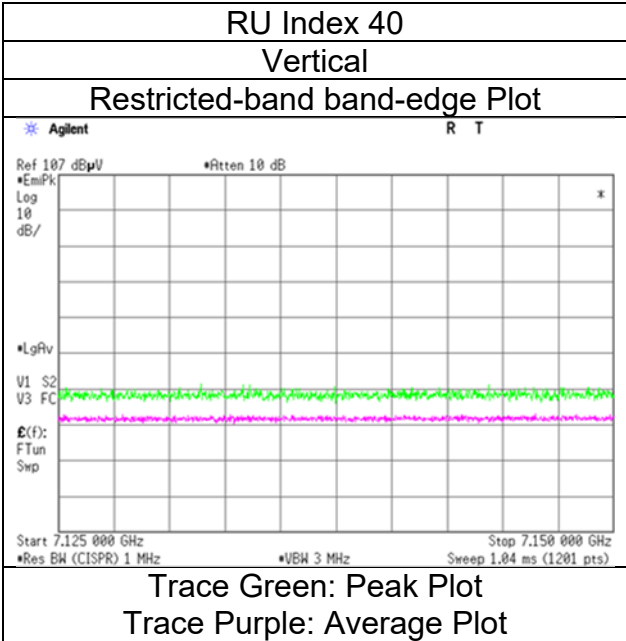
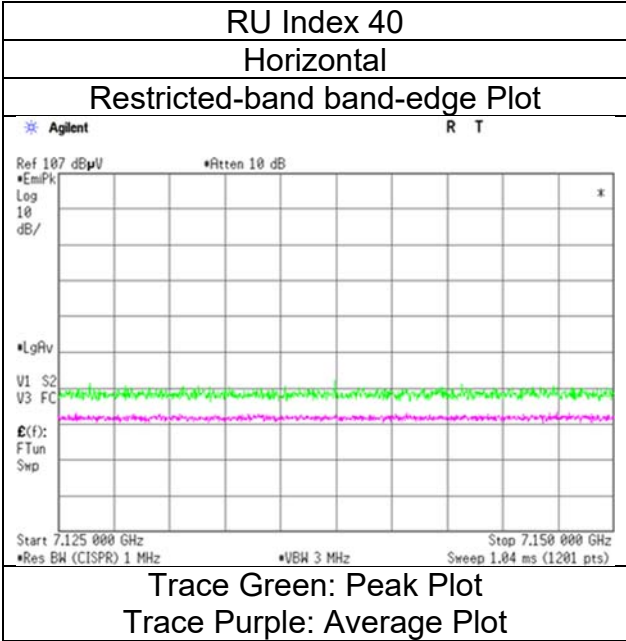
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	January 16, 2024
Temperature / Humidity	21 deg. C / 29 % RH
Engineer	Yasumasa Owaki
Mode	Tx 11ax-20 (OFDMA) 52-tone RU, 7095 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 January 16, 2024
Temperature / Humidity 21 deg. C / 29 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 106-tone RU, 7095 MHz With DH5 Hopping

RU Index 54

(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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.20	37.00	18.54	43.29	0.00	2.49	62.94	-32.29	-7.0	25.2	258	9	-
Hori.	7125.000	AV	39.12	37.00	18.54	43.29	0.00	2.49	53.86	-41.37	-27.0	14.3	258	9	-
Vert.	7125.000	PK	48.35	37.00	18.54	43.29	0.00	2.49	63.09	-32.14	-7.0	25.1	151	318	-
Vert.	7125.000	AV	39.13	37.00	18.54	43.29	0.00	2.49	53.87	-41.36	-27.0	14.3	151	318	-

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

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

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

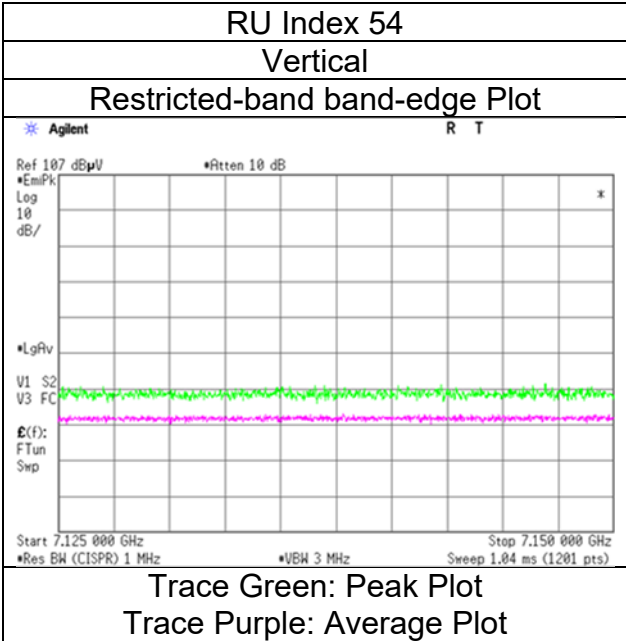
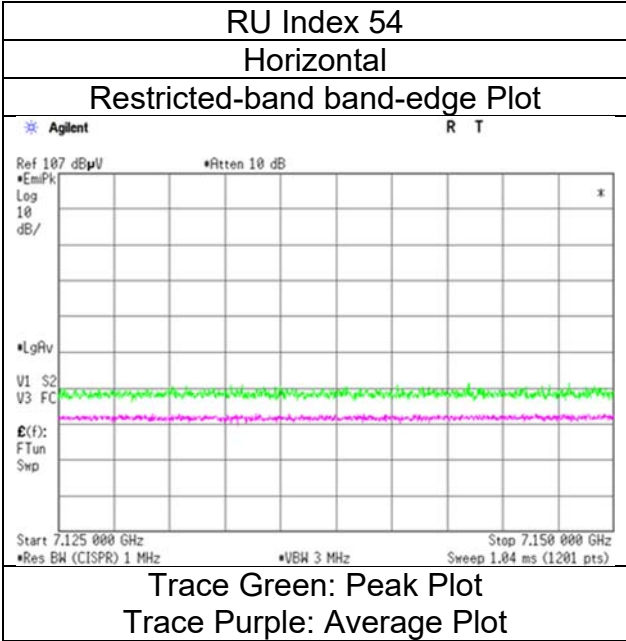
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	January 16, 2024
Temperature / Humidity	21 deg. C / 29 % RH
Engineer	Yasumasa Owaki
Mode	Tx 11ax-20 (OFDMA) 106-tone RU, 7095 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 January 16, 2024
Temperature / Humidity 21 deg. C / 29 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 242-tone RU, 7095 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.60	37.00	18.54	43.29	0.00	2.49	63.34	-31.89	-7.0	24.8	289	35	-
Hori.	7125.000	AV	39.48	37.00	18.54	43.29	0.00	2.49	54.22	-41.01	-27.0	14.0	289	35	-
Vert.	7125.000	PK	49.07	37.00	18.54	43.29	0.00	2.49	63.81	-31.42	-7.0	24.4	152	318	-
Vert.	7125.000	AV	39.58	37.00	18.54	43.29	0.00	2.49	54.32	-40.91	-27.0	13.9	152	318	-

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

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

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

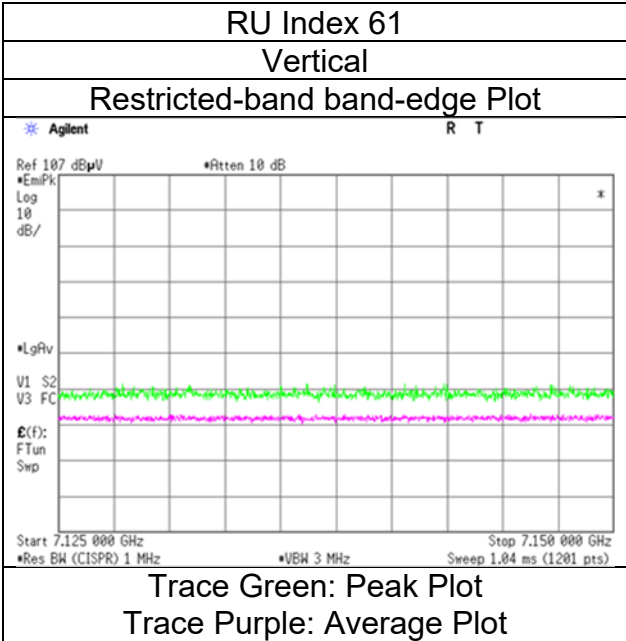
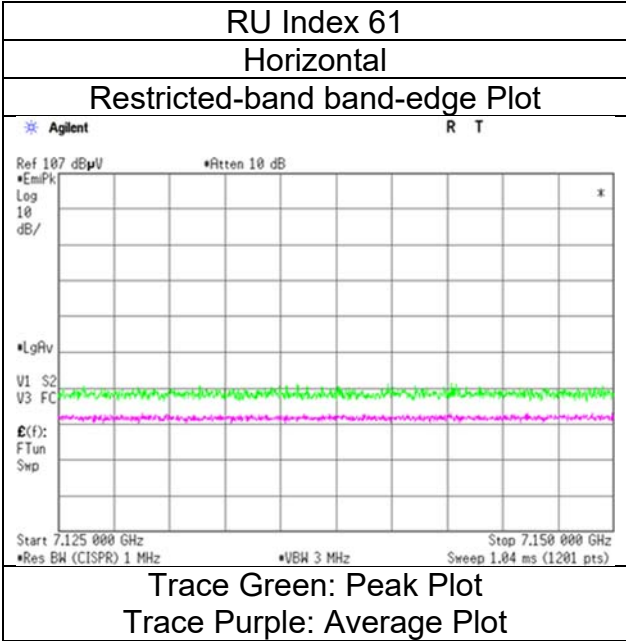
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	January 16, 2024
Temperature / Humidity	21 deg. C / 29 % RH
Engineer	Yasumasa Owaki
Mode	Tx 11ax-20 (OFDMA) 242-tone RU, 7095 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 February 14, 2024
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 26-tone RU, 5965 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.02	33.06	17.70	43.38	0.00	2.49	58.89	-36.34	-7.0	29.3	399	43	-
Hori.	5925.000	AV	40.24	33.06	17.70	43.38	0.00	2.49	50.11	-45.12	-27.0	18.1	399	43	-
Vert.	5925.000	PK	49.66	33.06	17.70	43.38	0.00	2.49	59.53	-35.70	-7.0	28.7	141	323	-
Vert.	5925.000	AV	40.14	33.06	17.70	43.38	0.00	2.49	50.01	-45.22	-27.0	18.2	141	323	-

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

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

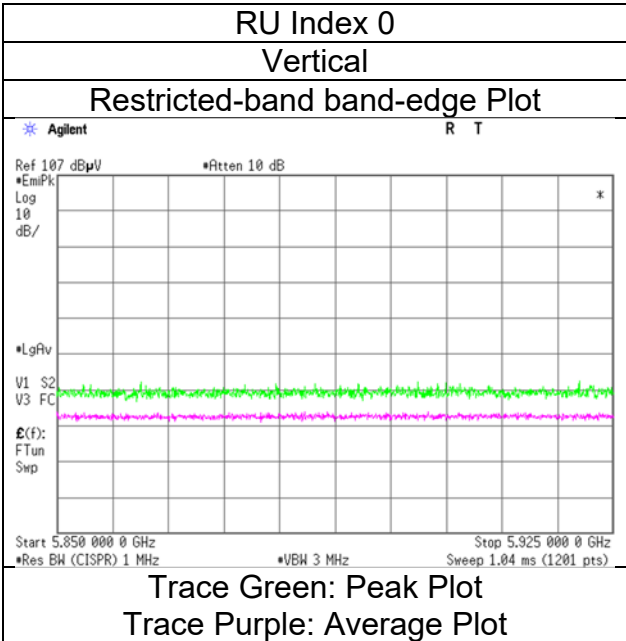
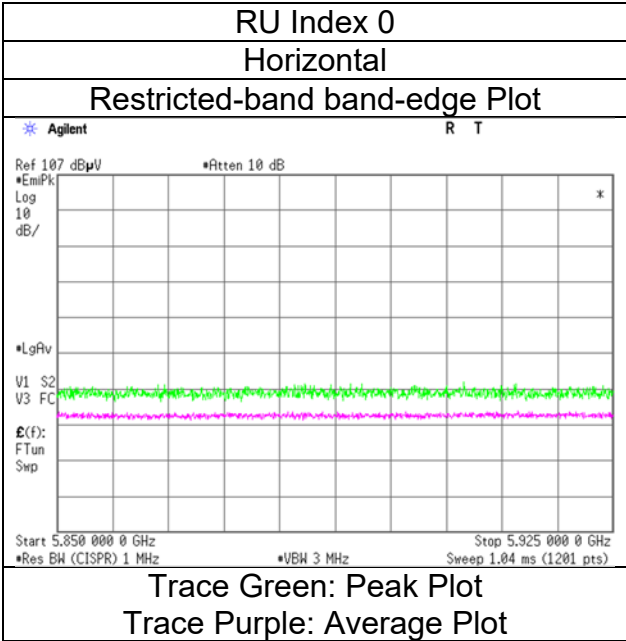
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 14, 2024
23 deg. C / 28 % RH
Yasumasa Owaki
Tx 11ax-40 (OFDMA) 26-tone RU, 5965 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 February 14, 2024
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 52-tone RU, 5965 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.03	33.06	17.70	43.38	0.00	2.49	58.90	-36.33	-7.0	29.3	297	38	-
Hori.	5925.000	AV	40.23	33.06	17.70	43.38	0.00	2.49	50.10	-45.13	-27.0	18.1	297	38	-
Vert.	5925.000	PK	49.36	33.06	17.70	43.38	0.00	2.49	59.23	-36.00	-7.0	29.0	143	323	-
Vert.	5925.000	AV	40.47	33.06	17.70	43.38	0.00	2.49	50.34	-44.89	-27.0	17.8	143	323	-

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

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

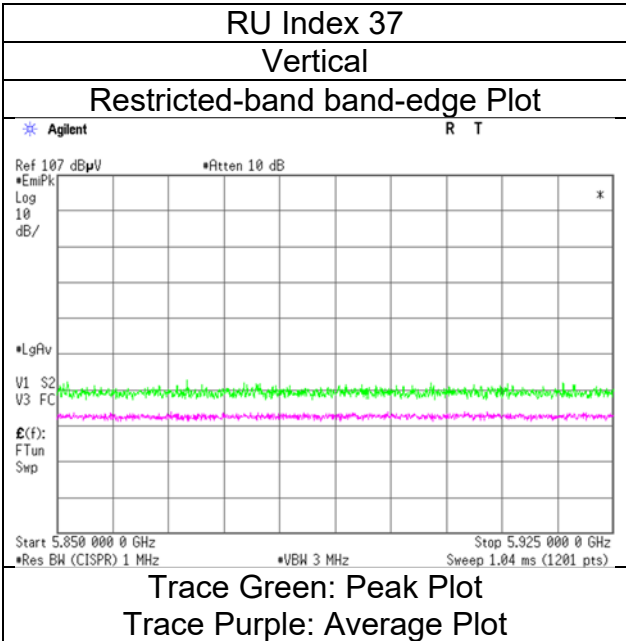
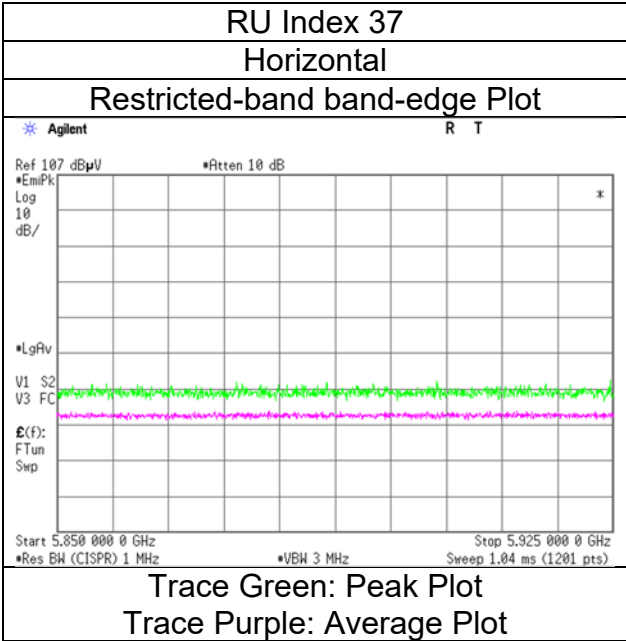
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 14, 2024
23 deg. C / 28 % RH
Yasumasa Owaki
Tx 11ax-40 (OFDMA) 52-tone RU, 5965 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 February 14, 2024
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 106 -tone RU, 5965 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.08	33.06	17.70	43.38	0.00	2.49	58.95	-36.28	-7.0	29.2	328	39	-
Hori.	5925.000	AV	40.41	33.06	17.70	43.38	0.00	2.49	50.28	-44.95	-27.0	17.9	328	39	-
Vert.	5925.000	PK	49.14	33.06	17.70	43.38	0.00	2.49	59.01	-36.22	-7.0	29.2	148	322	-
Vert.	5925.000	AV	40.00	33.06	17.70	43.38	0.00	2.49	49.87	-45.36	-27.0	18.3	148	322	-

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

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

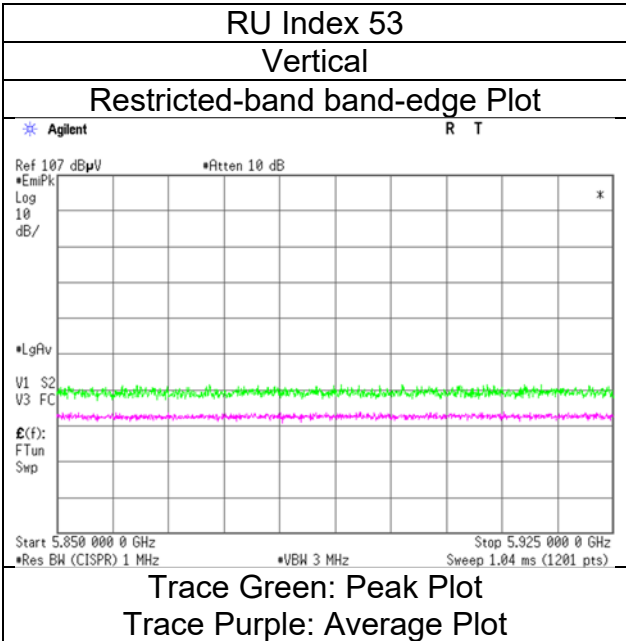
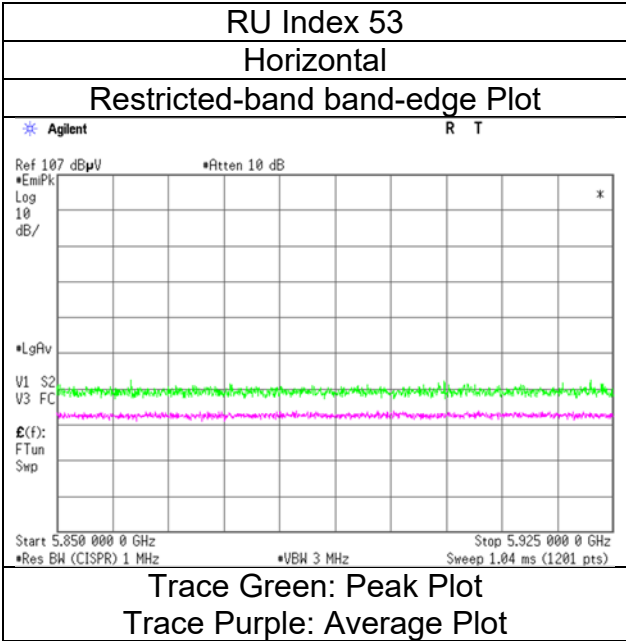
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 14, 2024
23 deg. C / 28 % RH
Yasumasa Owaki
Tx 11ax-40 (OFDMA) 106 -tone RU, 5965 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 February 14, 2024
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 242-tone RU, 5965 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.38	33.06	17.70	43.38	0.00	2.49	59.25	-35.98	-7.0	28.9	400	37	-
Hori.	5925.000	AV	40.08	33.06	17.70	43.38	0.00	2.49	49.95	-45.28	-27.0	18.2	400	37	-
Vert.	5925.000	PK	49.61	33.06	17.70	43.38	0.00	2.49	59.48	-35.75	-7.0	28.7	136	322	-
Vert.	5925.000	AV	40.28	33.06	17.70	43.38	0.00	2.49	50.15	-45.08	-27.0	18.0	136	322	-

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

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

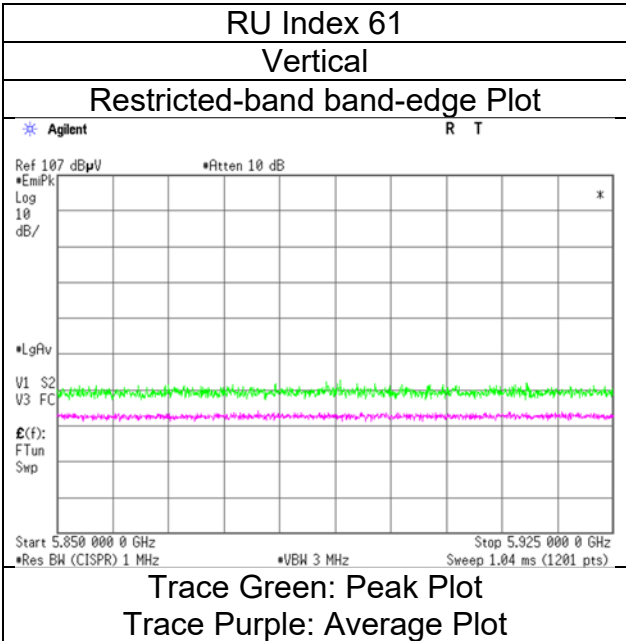
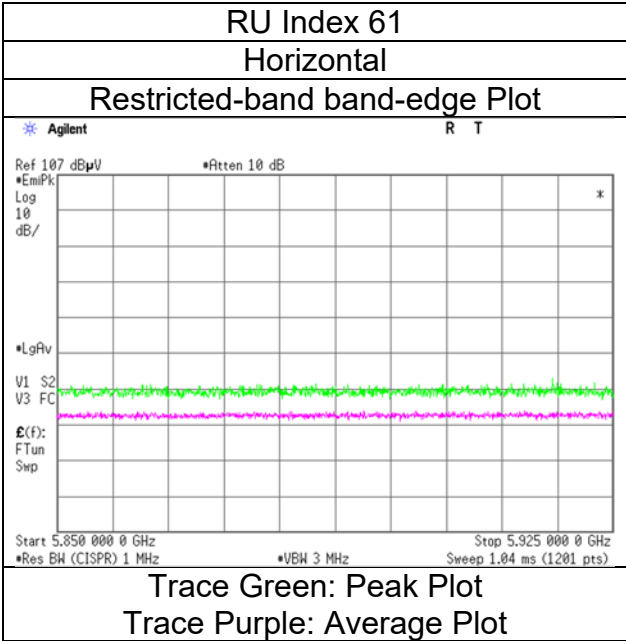
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 14, 2024
23 deg. C / 28 % RH
Yasumasa Owaki
Tx 11ax-40 (OFDMA) 242-tone RU, 5965 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 January 16, 2024
Temperature / Humidity 21 deg. C / 29 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 484-tone RU, 5965 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	50.69	33.06	17.80	43.38	0.00	2.49	60.66	-34.57	-7.0	27.5	180	76	-
Hori.	5925.000	AV	40.26	33.06	17.80	43.38	0.00	2.49	50.23	-45.00	-27.0	18.0	180	76	-
Vert.	5925.000	PK	50.13	33.06	17.80	43.38	0.00	2.49	60.10	-35.13	-7.0	28.1	280	227	-
Vert.	5925.000	AV	40.05	33.06	17.80	43.38	0.00	2.49	50.02	-45.21	-27.0	18.2	280	227	-

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

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

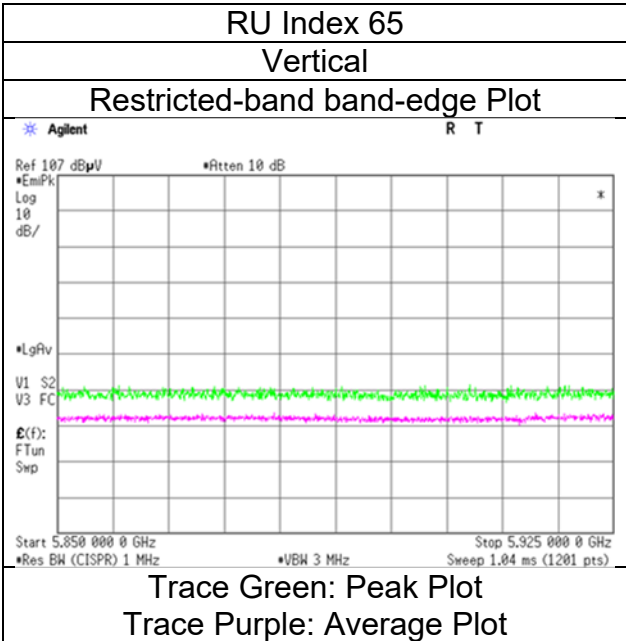
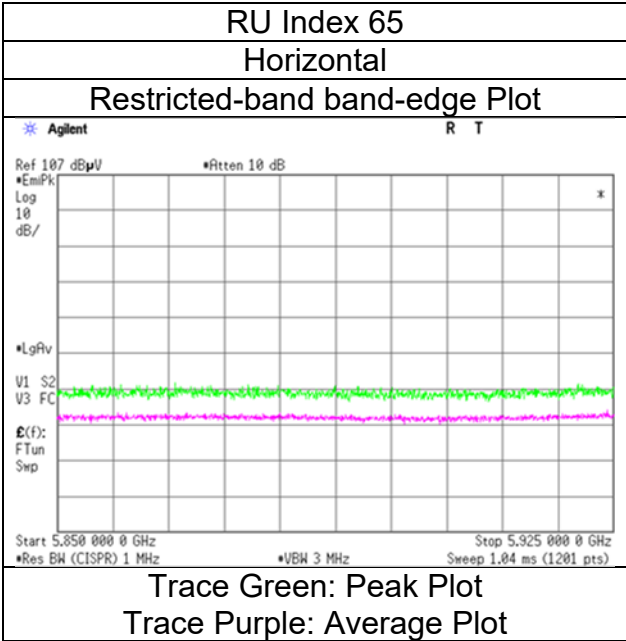
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
January 16, 2024
21 deg. C / 29 % RH
Yasumasa Owaki
Tx 11ax-40 (OFDMA) 484-tone RU, 5965 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 February 14, 2024
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 26-tone RU, 7085 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.73	37.00	18.47	43.29	0.00	2.49	64.40	-30.83	-7.0	23.8	338	10	-
Hori.	7125.000	AV	40.25	37.00	18.47	43.29	0.00	2.49	54.92	-40.31	-27.0	13.3	338	10	-
Vert.	7125.000	PK	49.09	37.00	18.47	43.29	0.00	2.49	63.76	-31.47	-7.0	24.4	149	51	-
Vert.	7125.000	AV	40.19	37.00	18.47	43.29	0.00	2.49	54.86	-40.37	-27.0	13.3	149	51	-

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

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

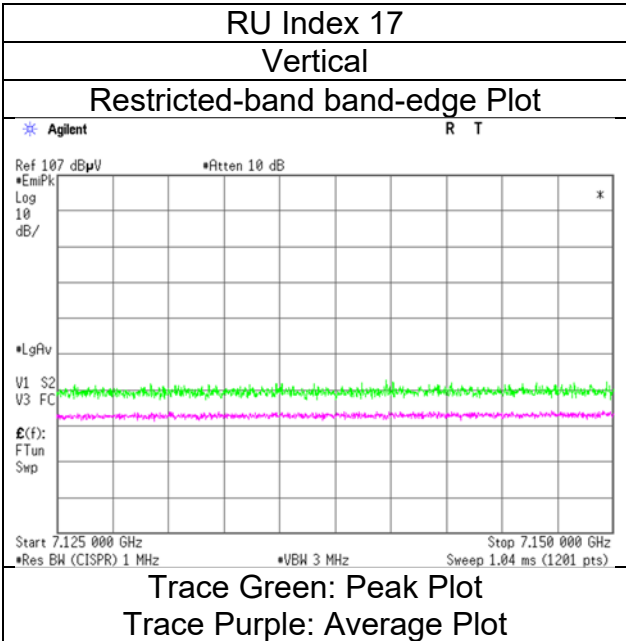
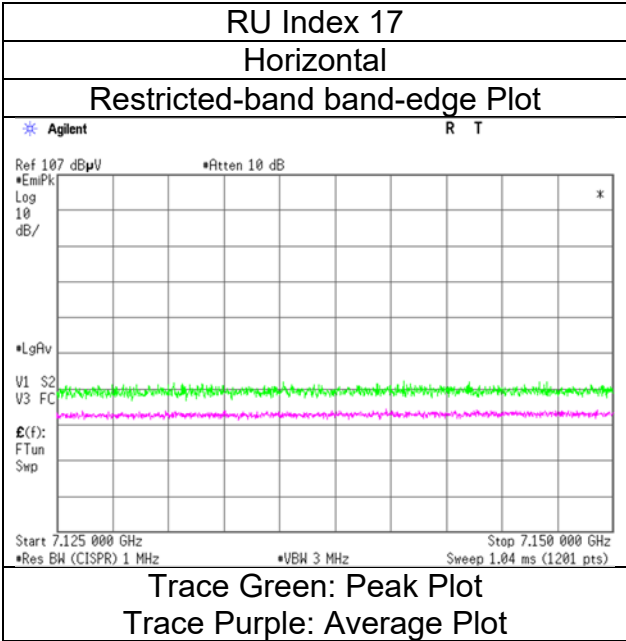
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 14, 2024
23 deg. C / 28 % RH
Yasumasa Owaki
Tx 11ax-40 (OFDMA) 26-tone RU, 7085 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 February 14, 2024
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 52-tone RU, 7085 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.21	37.00	18.47	43.29	0.00	2.49	63.88	-31.35	-7.0	24.3	332	9	-
Hori.	7125.000	AV	40.30	37.00	18.47	43.29	0.00	2.49	54.97	-40.26	-27.0	13.2	332	9	-
Vert.	7125.000	PK	49.34	37.00	18.47	43.29	0.00	2.49	64.01	-31.22	-7.0	24.2	111	52	-
Vert.	7125.000	AV	40.18	37.00	18.47	43.29	0.00	2.49	54.85	-40.38	-27.0	13.3	111	52	-

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

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

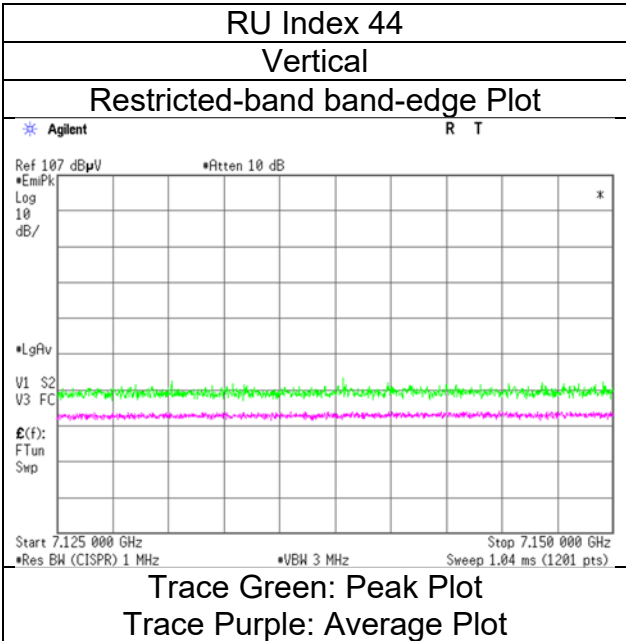
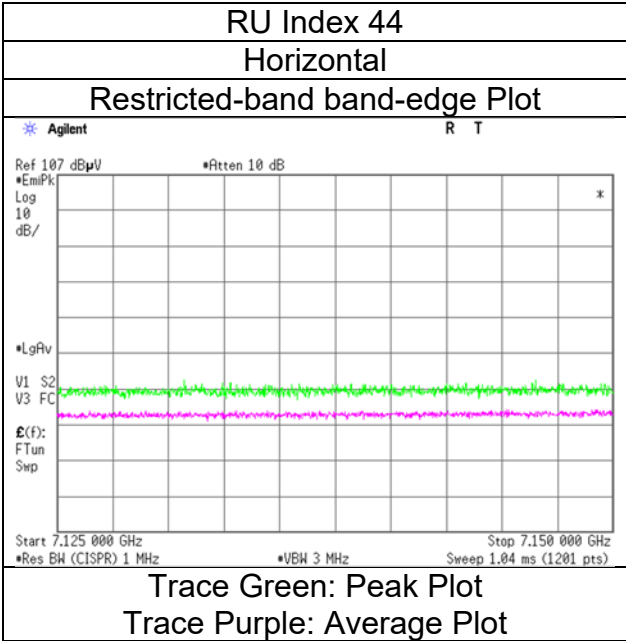
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 14, 2024
23 deg. C / 28 % RH
Yasumasa Owaki
Tx 11ax-40 (OFDMA) 52-tone RU, 7085 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 February 14, 2024
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 106 -tone RU, 7085 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.04	37.00	18.47	43.29	0.00	2.49	63.71	-31.52	-7.0	24.5	278	64	-
Hori.	7125.000	AV	40.15	37.00	18.47	43.29	0.00	2.49	54.82	-40.41	-27.0	13.4	278	64	-
Vert.	7125.000	PK	49.40	37.00	18.47	43.29	0.00	2.49	64.07	-31.16	-7.0	24.1	127	54	-
Vert.	7125.000	AV	40.40	37.00	18.47	43.29	0.00	2.49	55.07	-40.16	-27.0	13.1	127	54	-

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

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

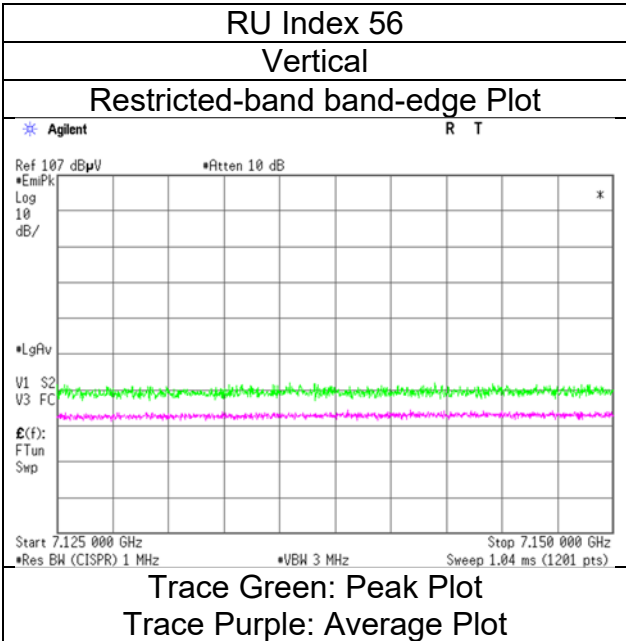
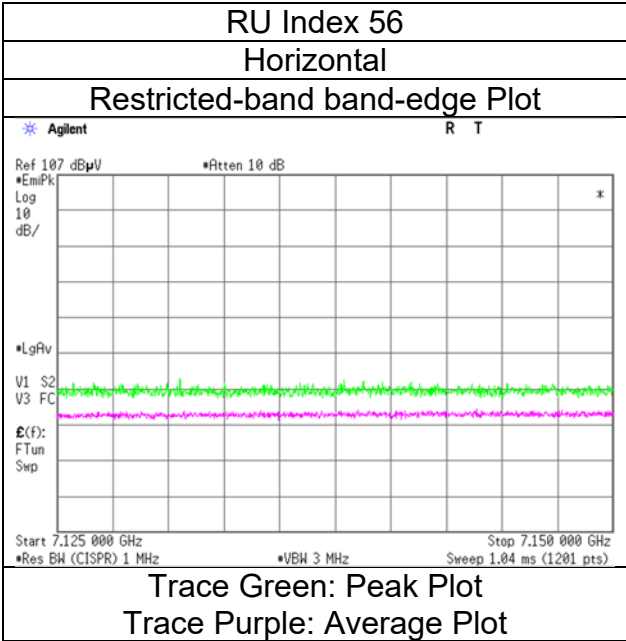
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 14, 2024
23 deg. C / 28 % RH
Yasumasa Owaki
Tx 11ax-40 (OFDMA) 106 -tone RU, 7085 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 February 14, 2024
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 242-tone RU, 7085 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.45	37.00	18.47	43.29	0.00	2.49	64.12	-31.11	-7.0	24.1	325	53	-
Hori.	7125.000	AV	40.37	37.00	18.47	43.29	0.00	2.49	55.04	-40.19	-27.0	13.1	325	53	-
Vert.	7125.000	PK	49.15	37.00	18.47	43.29	0.00	2.49	63.82	-31.41	-7.0	24.4	131	58	-
Vert.	7125.000	AV	40.15	37.00	18.47	43.29	0.00	2.49	54.82	-40.41	-27.0	13.4	131	58	-

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

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

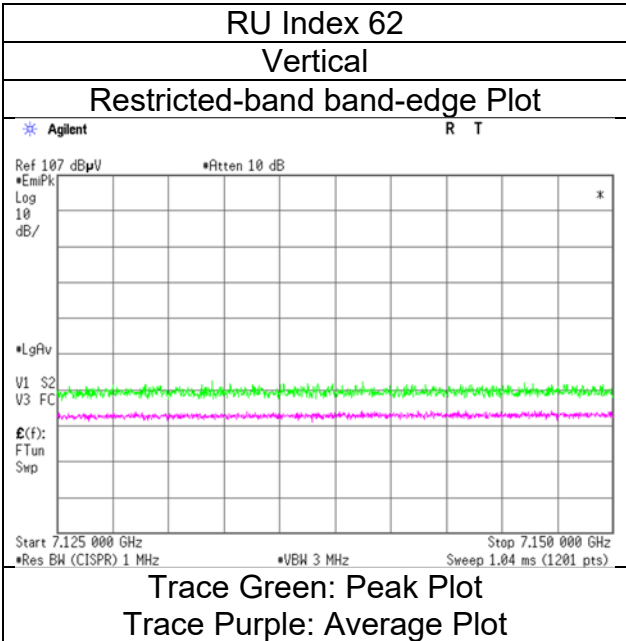
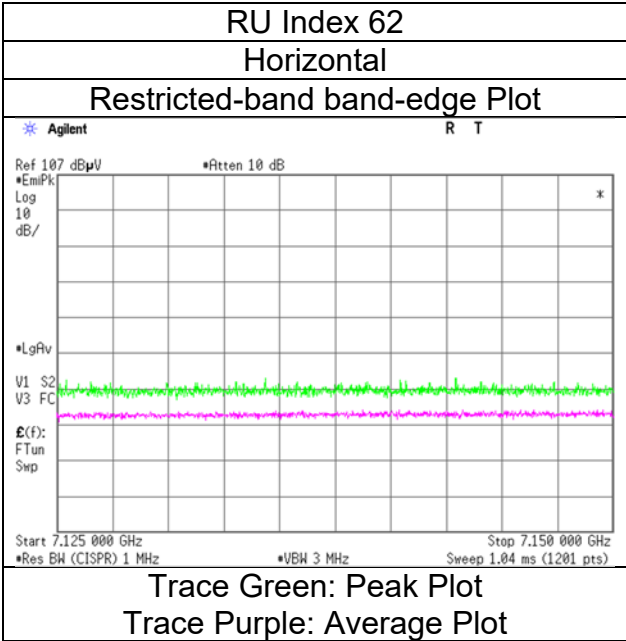
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 14, 2024
23 deg. C / 28 % RH
Yasumasa Owaki
Tx 11ax-40 (OFDMA) 242-tone RU, 7085 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 January 16, 2024
Temperature / Humidity 21 deg. C / 29 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 484-tone RU, 7085 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.61	37.00	18.54	43.29	0.00	2.49	63.35	-31.88	-7.0	24.8	338	34	-
Hori.	7125.000	AV	39.28	37.00	18.54	43.29	0.00	2.49	54.02	-41.21	-27.0	14.2	338	34	-
Vert.	7125.000	PK	49.21	37.00	18.54	43.29	0.00	2.49	63.95	-31.28	-7.0	24.2	148	319	-
Vert.	7125.000	AV	39.19	37.00	18.54	43.29	0.00	2.49	53.93	-41.30	-27.0	14.3	148	319	-

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

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

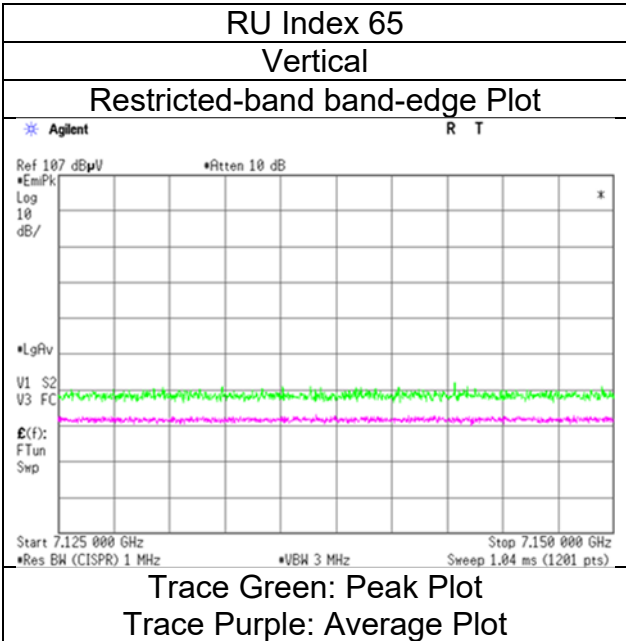
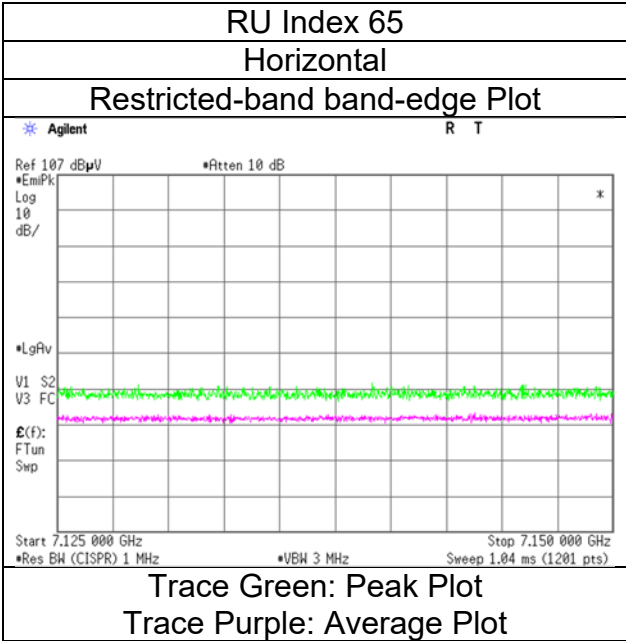
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
January 16, 2024
21 deg. C / 29 % RH
Yasumasa Owaki
Tx 11ax-40 (OFDMA) 484-tone RU, 7085 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 February 14, 2024
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 5985 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.28	33.06	17.70	43.38	0.00	2.49	59.15	-36.08	-7.0	29.0	399	38	-
Hori.	5925.000	AV	40.26	33.06	17.70	43.38	0.00	2.49	50.13	-45.10	-27.0	18.1	399	38	-
Vert.	5925.000	PK	49.44	33.06	17.70	43.38	0.00	2.49	59.31	-35.92	-7.0	28.9	148	322	-
Vert.	5925.000	AV	40.00	33.06	17.70	43.38	0.00	2.49	49.87	-45.36	-27.0	18.3	148	322	-

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

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

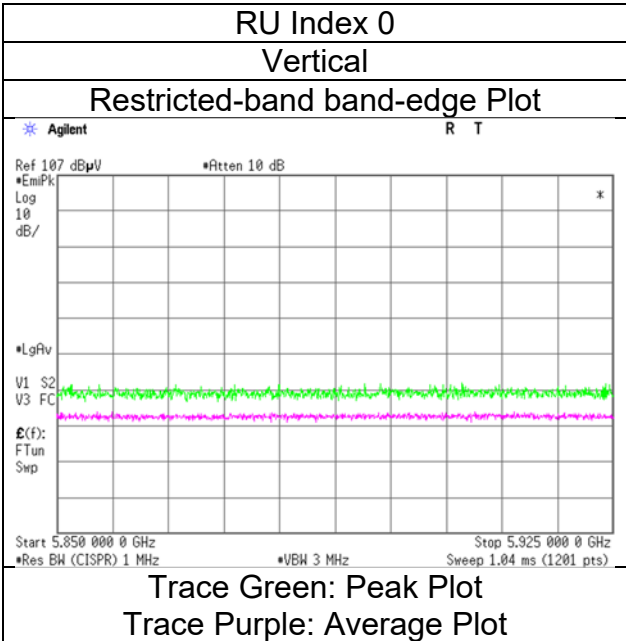
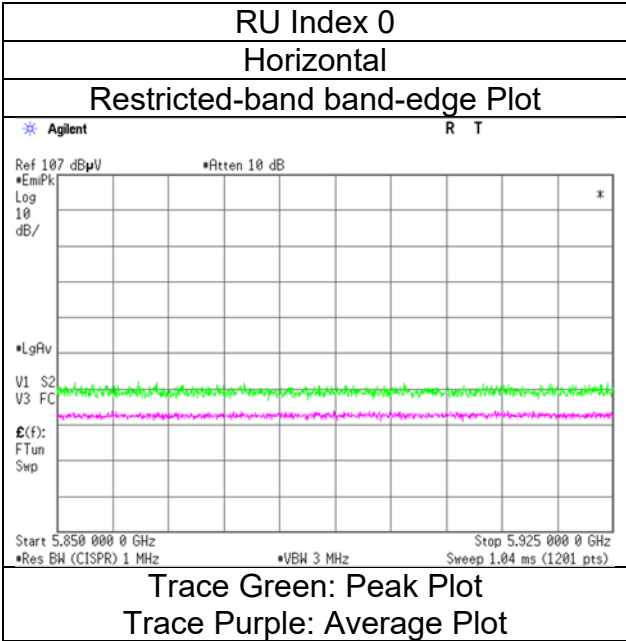
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 14, 2024
23 deg. C / 28 % RH
Yasumasa Owaki
Tx 11ax-80 (OFDMA) 26-tone RU, 5985 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 February 14, 2024
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 5985 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.26	33.06	17.70	43.38	0.00	2.49	59.13	-36.10	-7.0	29.1	297	39	-
Hori.	5925.000	AV	40.43	33.06	17.70	43.38	0.00	2.49	50.30	-44.93	-27.0	17.9	297	39	-
Vert.	5925.000	PK	49.24	33.06	17.70	43.38	0.00	2.49	59.11	-36.12	-7.0	29.1	148	322	-
Vert.	5925.000	AV	40.28	33.06	17.70	43.38	0.00	2.49	50.15	-45.08	-27.0	18.0	148	322	-

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

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

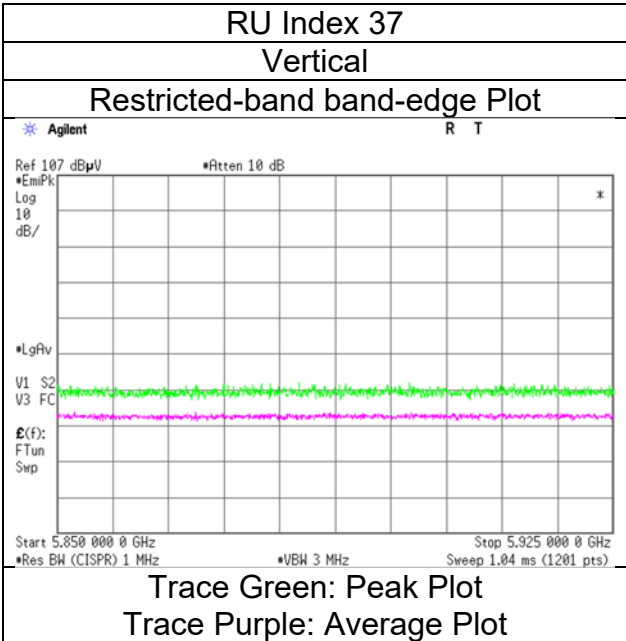
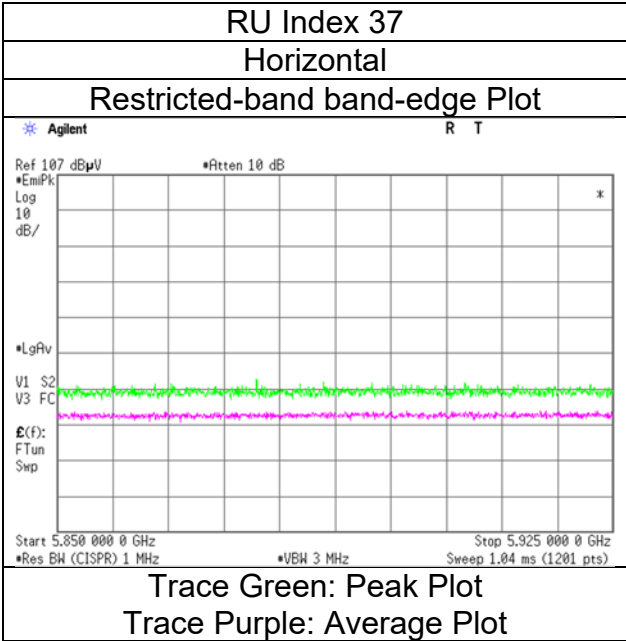
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 14, 2024
23 deg. C / 28 % RH
Yasumasa Owaki
Tx 11ax-80 (OFDMA) 52-tone RU, 5985 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 February 15, 2024
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 5985 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.51	33.06	17.35	43.38	0.00	2.49	59.03	-36.20	-7.0	29.2	361	34	-
Hori.	5925.000	AV	38.95	33.06	17.35	43.38	0.00	2.49	48.47	-46.76	-27.0	19.7	361	34	-
Vert.	5925.000	PK	50.03	33.06	17.35	43.38	0.00	2.49	59.55	-35.68	-7.0	28.6	253	221	-
Vert.	5925.000	AV	39.12	33.06	17.35	43.38	0.00	2.49	48.64	-46.59	-27.0	19.5	253	221	-

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

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

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

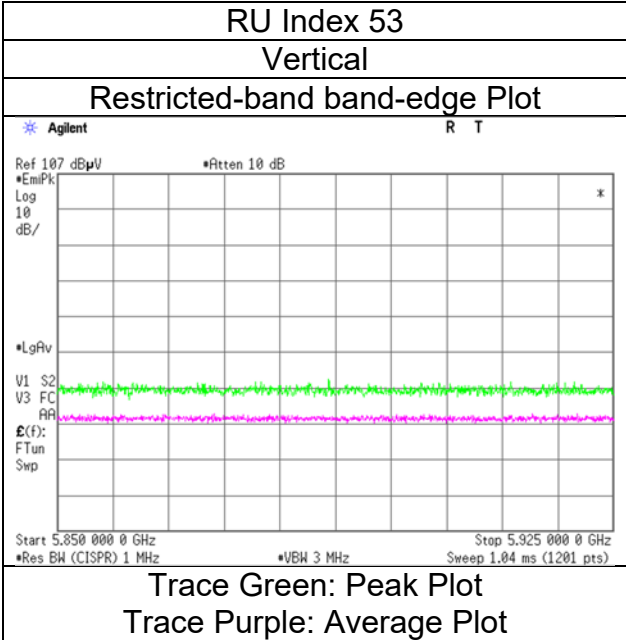
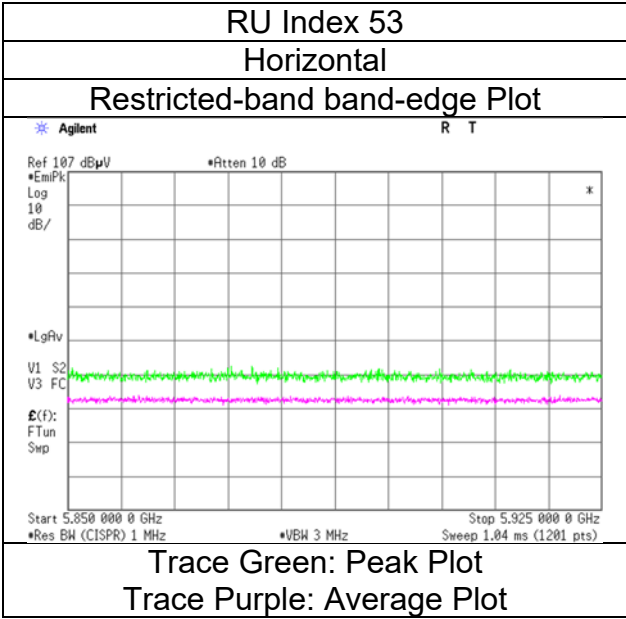
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	February 15, 2024
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 106-tone RU, 5985 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 February 15, 2024
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 242-tone RU, 5985 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.31	33.06	17.35	43.38	0.00	2.49	58.83	-36.40	-7.0	29.4	345	32	-
Hori.	5925.000	AV	38.48	33.06	17.35	43.38	0.00	2.49	48.00	-47.23	-27.0	20.2	345	32	-
Vert.	5925.000	PK	50.19	33.06	17.35	43.38	0.00	2.49	59.71	-35.52	-7.0	28.5	245	226	-
Vert.	5925.000	AV	39.33	33.06	17.35	43.38	0.00	2.49	48.85	-46.38	-27.0	19.3	245	226	-

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

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

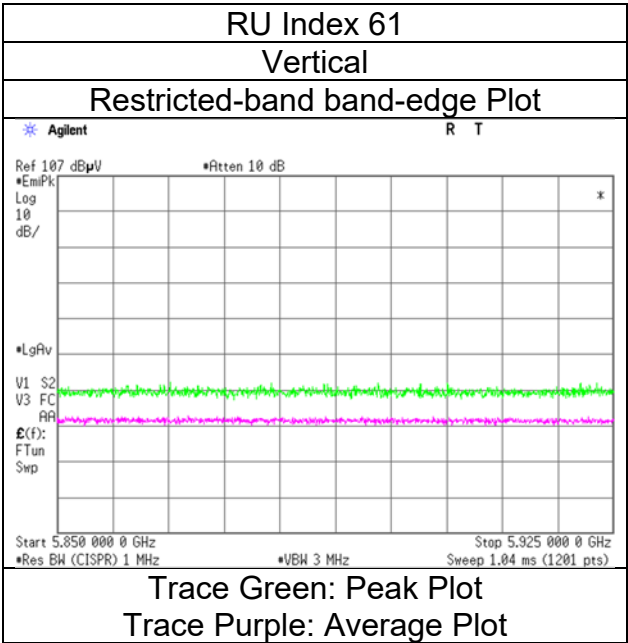
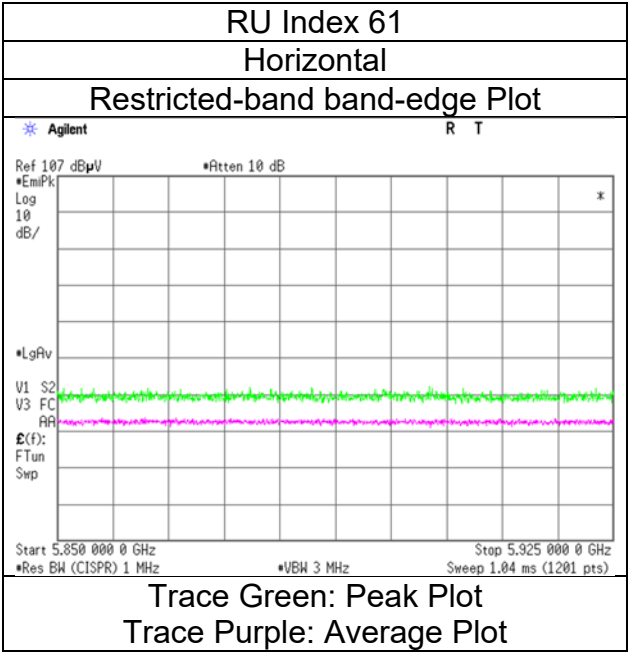
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 15, 2024
23 deg. C / 30 % RH
Takayuki Kobayashi
Tx 11ax-80 (OFDMA) 242-tone RU, 5985 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 February 15, 2024
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 484-tone RU, 5985 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.61	33.06	17.35	43.38	0.00	2.49	59.13	-36.10	-7.0	29.1	151	28	-
Hori.	5925.000	AV	39.20	33.06	17.35	43.38	0.00	2.49	48.72	-46.51	-27.0	19.5	151	28	-
Vert.	5925.000	PK	50.82	33.06	17.35	43.38	0.00	2.49	60.34	-34.89	-7.0	27.8	146	226	-
Vert.	5925.000	AV	38.56	33.06	17.35	43.38	0.00	2.49	48.08	-47.15	-27.0	20.1	146	226	-

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

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

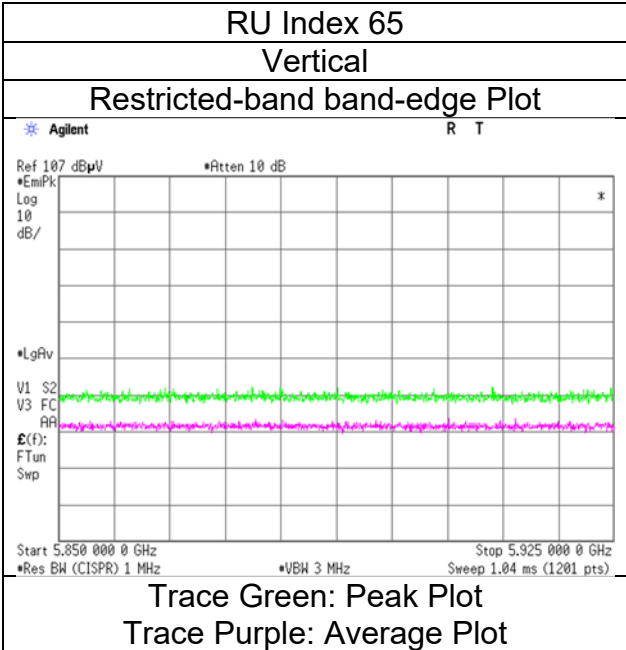
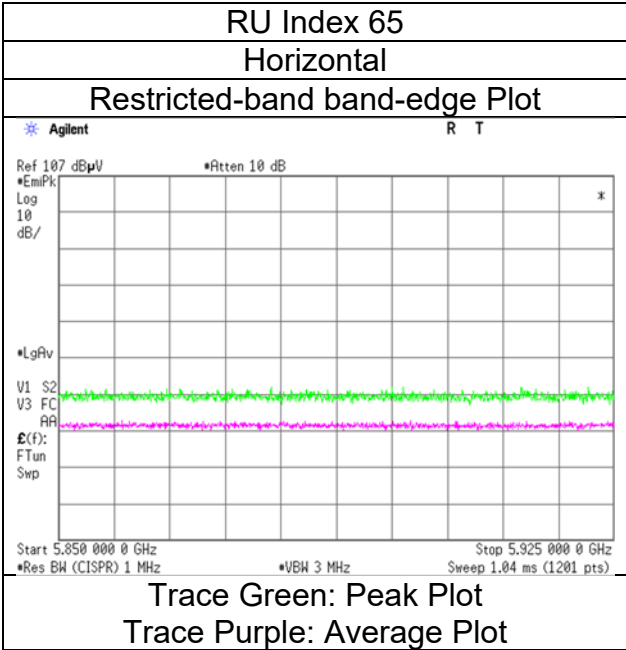
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 15, 2024
23 deg. C / 30 % RH
Takayuki Kobayashi
Tx 11ax-80 (OFDMA) 484-tone RU, 5985 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 January 16, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 996-tone RU, 5985 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.51	33.06	17.80	43.38	0.00	2.49	59.48	-35.75	-7.0	28.7	292	74	-
Hori.	5925.000	AV	38.23	33.06	17.80	43.38	0.20	2.49	48.40	-46.83	-27.0	19.8	292	74	-
Vert.	5925.000	PK	49.32	33.06	17.80	43.38	0.00	2.49	59.29	-35.94	-7.0	28.9	249	231	-
Vert.	5925.000	AV	37.78	33.06	17.80	43.38	0.20	2.49	47.95	-47.28	-27.0	20.2	249	231	-

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

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

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

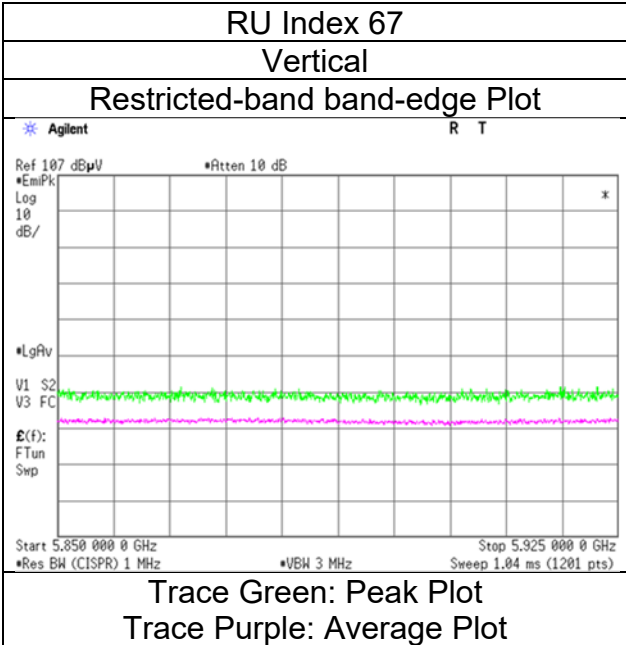
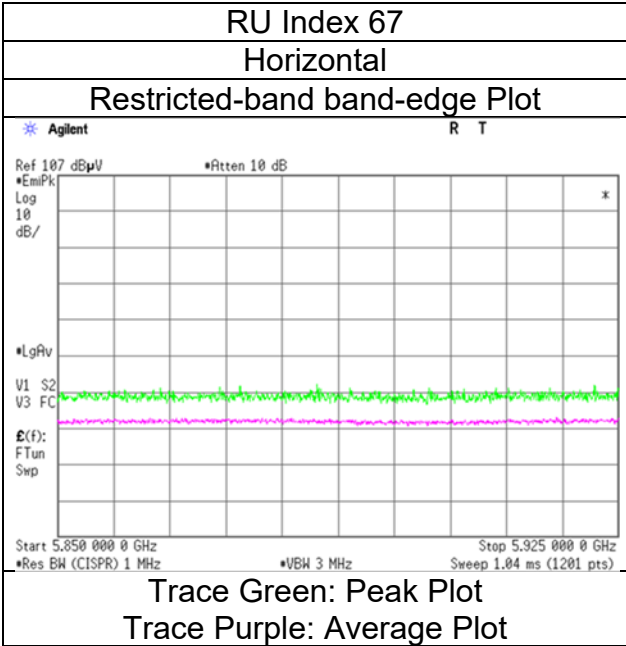
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	January 16, 2024
Temperature / Humidity	23 deg. C / 29 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 996-tone RU, 5985 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 February 14, 2024
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 7025 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.79	37.00	18.47	43.29	0.00	2.49	64.46	-30.77	-7.0	23.7	281	62	-
Hori.	7125.000	AV	40.33	37.00	18.47	43.29	0.00	2.49	55.00	-40.23	-27.0	13.2	281	62	-
Vert.	7125.000	PK	49.20	37.00	18.47	43.29	0.00	2.49	63.87	-31.36	-7.0	24.3	108	56	-
Vert.	7125.000	AV	40.33	37.00	18.47	43.29	0.00	2.49	55.00	-40.23	-27.0	13.2	108	56	-

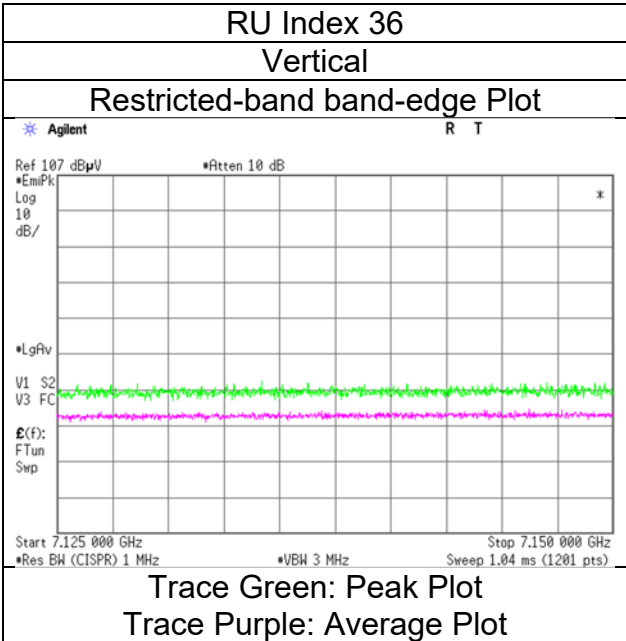
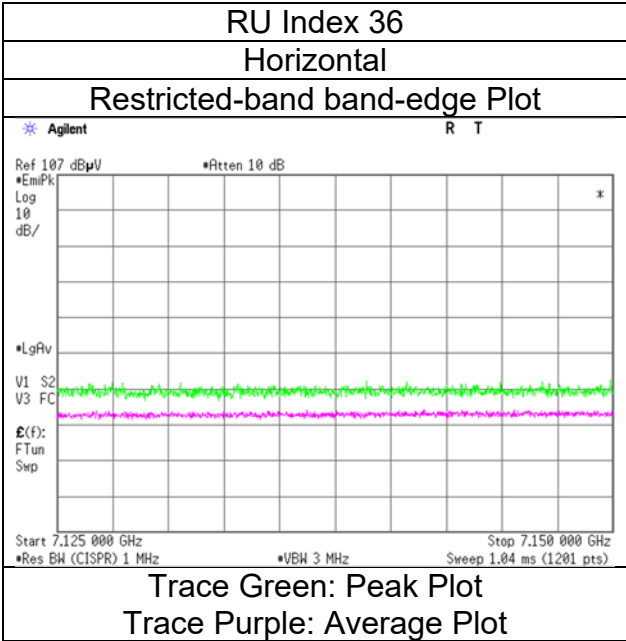
Result (PK) [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
February 14, 2024
23 deg. C / 28 % RH
Yasumasa Owaki
Tx 11ax-80 (OFDMA) 26-tone RU, 7025 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 February 14, 2024
Temperature / Humidity 23 deg. C / 28 % RH
Engineer Yasumasa Owaki
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 7025 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.62	37.00	18.47	43.29	0.00	2.49	64.29	-30.94	-7.0	23.9	281	63	-
Hori.	7125.000	AV	40.16	37.00	18.47	43.29	0.00	2.49	54.83	-40.40	-27.0	13.4	281	63	-
Vert.	7125.000	PK	49.54	37.00	18.47	43.29	0.00	2.49	64.21	-31.02	-7.0	24.0	125	54	-
Vert.	7125.000	AV	40.26	37.00	18.47	43.29	0.00	2.49	54.93	-40.30	-27.0	13.3	125	54	-

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

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

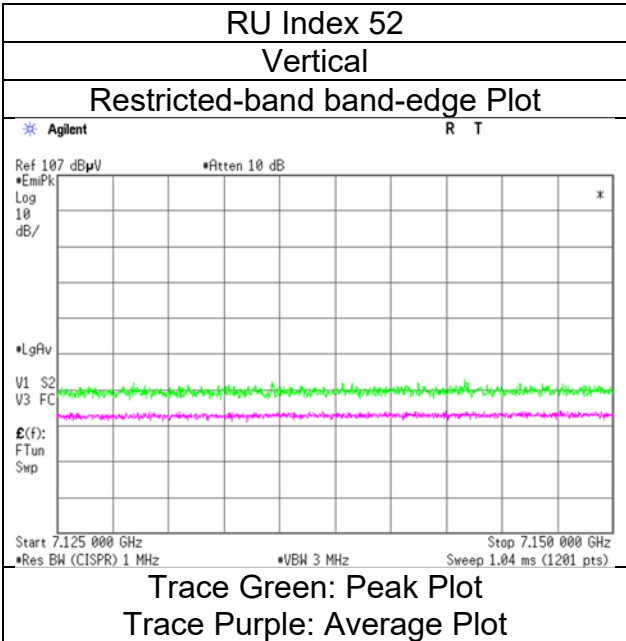
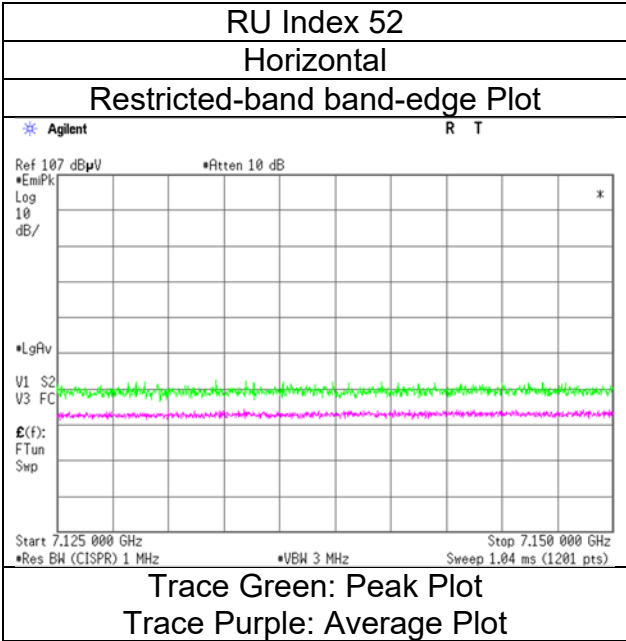
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 14, 2024
23 deg. C / 28 % RH
Yasumasa Owaki
Tx 11ax-80 (OFDMA) 52-tone RU, 7025 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 February 15, 2024
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 7025 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.18	37.00	18.13	43.29	0.00	2.49	63.51	-31.72	-7.0	24.7	344	6	-
Hori.	7125.000	AV	37.59	37.00	18.13	43.29	0.00	2.49	51.92	-43.31	-27.0	16.3	344	6	-
Vert.	7125.000	PK	49.27	37.00	18.13	43.29	0.00	2.49	63.60	-31.63	-7.0	24.6	196	41	-
Vert.	7125.000	AV	37.83	37.00	18.13	43.29	0.00	2.49	52.16	-43.07	-27.0	16.0	196	41	-

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

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

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

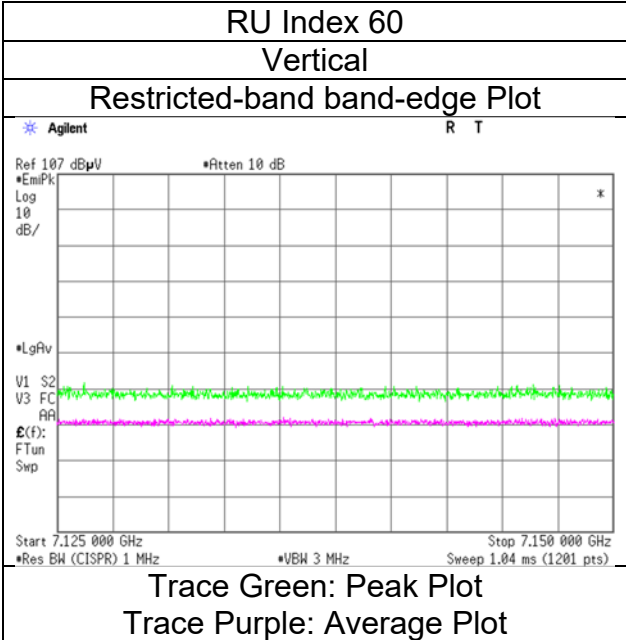
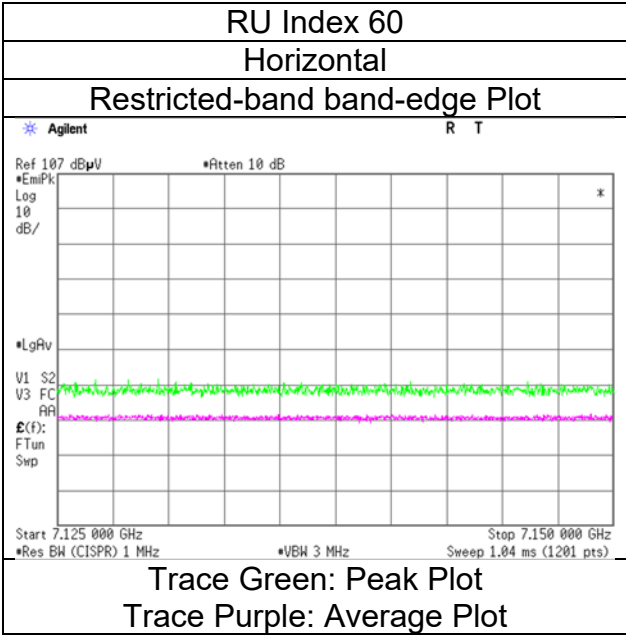
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	February 15, 2024
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 106-tone RU, 7025 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 February 15, 2024
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 242-tone RU, 7025 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.74	37.00	18.13	43.29	0.00	2.49	63.07	-32.16	-7.0	25.1	335	52	-
Hori.	7125.000	AV	37.56	37.00	18.13	43.29	0.00	2.49	51.89	-43.34	-27.0	16.3	335	52	-
Vert.	7125.000	PK	48.30	37.00	18.13	43.29	0.00	2.49	62.63	-32.60	-7.0	25.6	163	218	-
Vert.	7125.000	AV	37.09	37.00	18.13	43.29	0.00	2.49	51.42	-43.81	-27.0	16.8	163	218	-

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

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

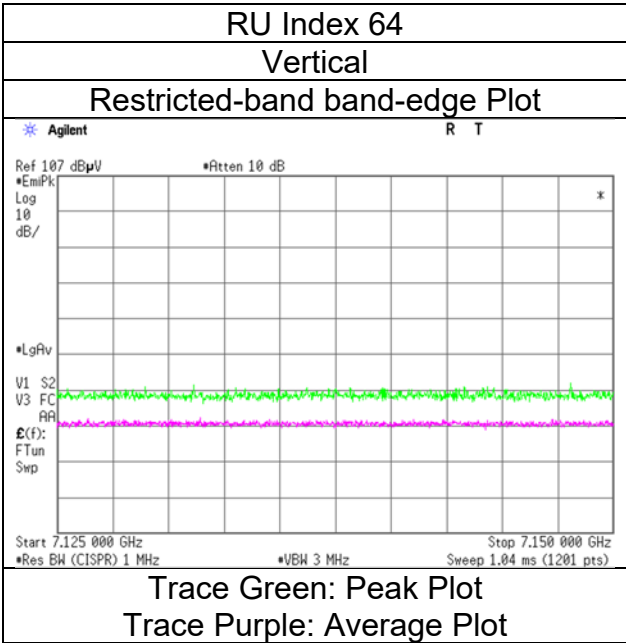
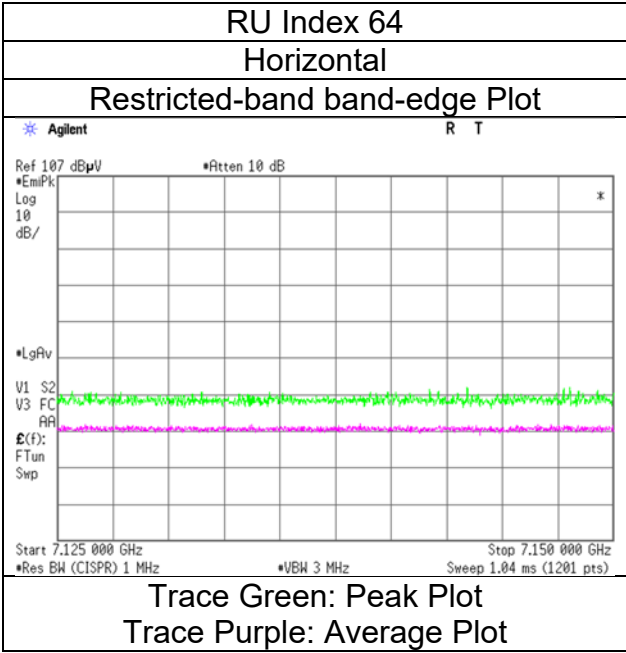
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 15, 2024
23 deg. C / 30 % RH
Takayuki Kobayashi
Tx 11ax-80 (OFDMA) 242-tone RU, 7025 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 February 15, 2024
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 484-tone RU, 7025 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.61	37.00	18.13	43.29	0.00	2.49	62.94	-32.29	-7.0	25.2	328	52	-
Hori.	7125.000	PK	48.89	37.00	18.13	43.29	0.00	2.49	63.22	-32.01	-7.0	25.0	196	33	-
Hori.	7125.000	AV	38.28	37.00	18.13	43.29	0.00	2.49	52.61	-42.62	-27.0	15.6	328	52	-
Hori.	7125.000	AV	38.33	37.00	18.13	43.29	0.00	2.49	52.66	-42.57	-27.0	15.5	196	33	-

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

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

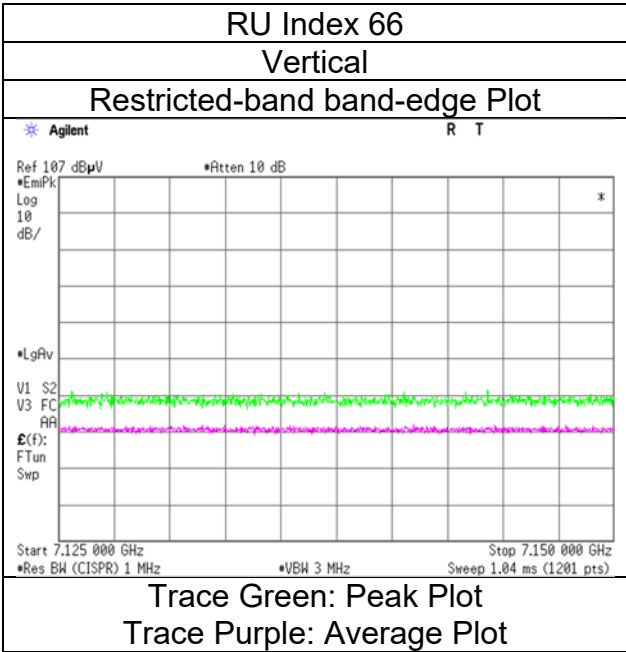
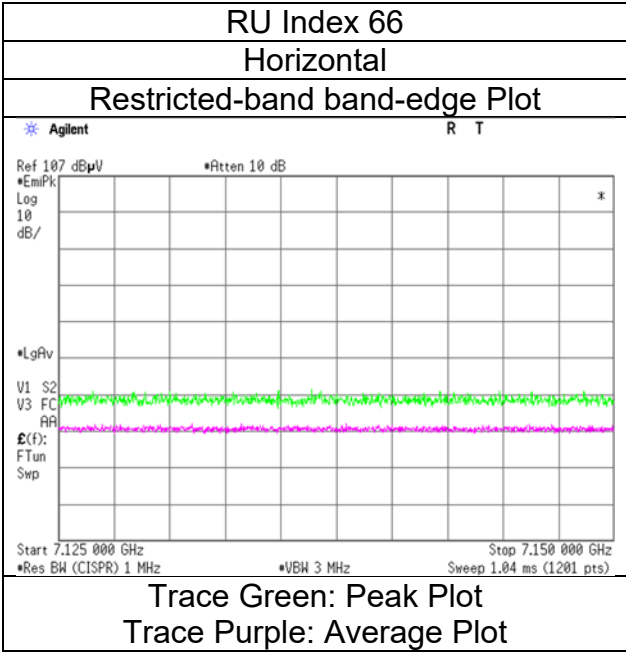
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 15, 2024
23 deg. C / 30 % RH
Takayuki Kobayashi
Tx 11ax-80 (OFDMA) 484-tone RU, 7025 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 January 16, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 996-tone RU, 7025 MHz With DH5 Hopping

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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.28	37.00	18.54	43.29	0.00	2.49	64.02	-31.21	-7.0	24.2	243	47	-
Hori.	7125.000	AV	37.78	37.00	18.54	43.29	0.20	2.49	52.72	-42.51	-27.0	15.5	243	47	-
Vert.	7125.000	PK	48.09	37.00	18.54	43.29	0.00	2.49	62.83	-32.40	-7.0	25.4	135	337	-
Vert.	7125.000	AV	38.22	37.00	18.54	43.29	0.20	2.49	53.16	-42.07	-27.0	15.0	135	337	-

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

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

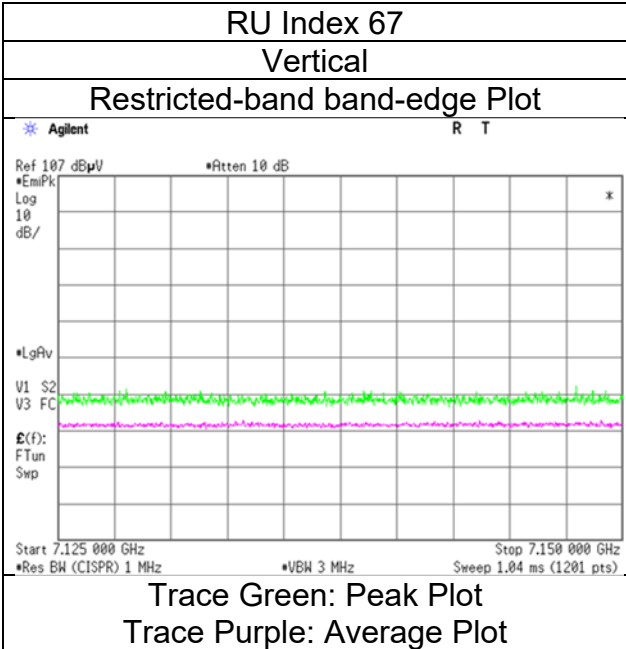
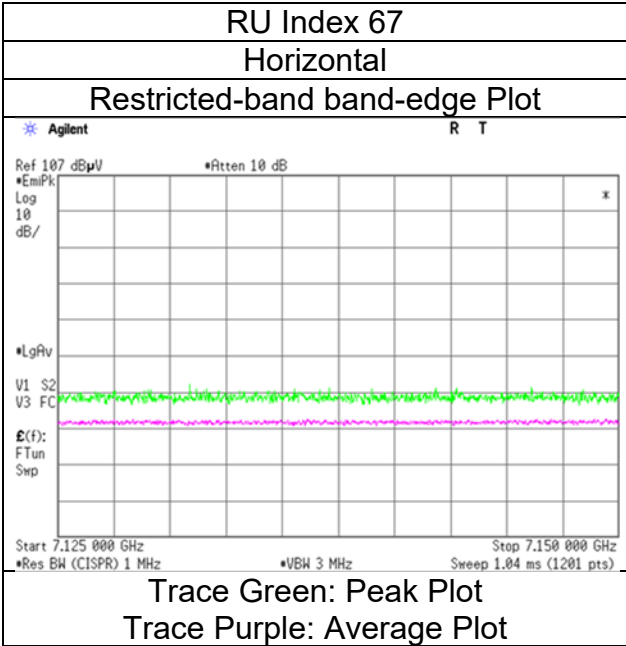
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
January 17, 2024
23 deg. C / 29 % RH
Takayuki Kobayashi
Tx 11ax-80 (OFDMA) 996-tone RU, 7025 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 3
Date January 15, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDM), 5955 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.64	33.06	17.80	43.38	0.00	2.49	59.61	-35.62	-7.0	28.6	118	251	-
Hori.	5925.000	AV	38.16	33.06	17.80	43.38	0.00	2.49	48.13	-47.10	-27.0	20.1	118	251	-
Vert.	5925.000	PK	48.94	33.06	17.80	43.38	0.00	2.49	58.91	-36.32	-7.0	29.3	235	225	-
Vert.	5925.000	AV	38.00	33.06	17.80	43.38	0.00	2.49	47.97	-47.26	-27.0	20.2	235	225	-

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

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

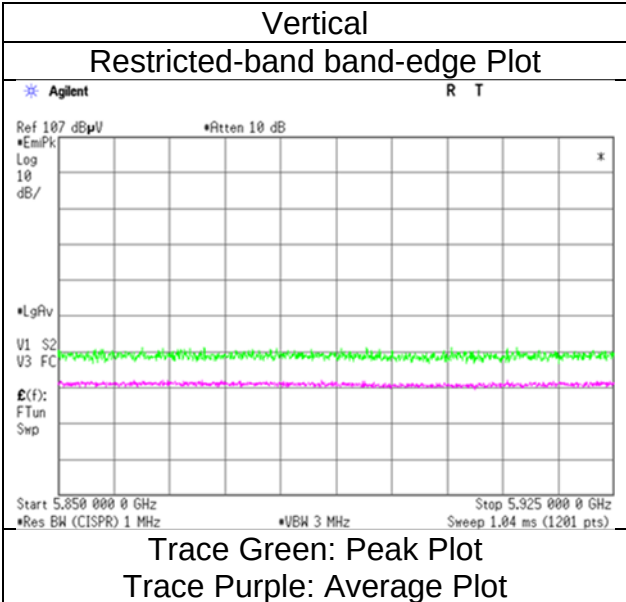
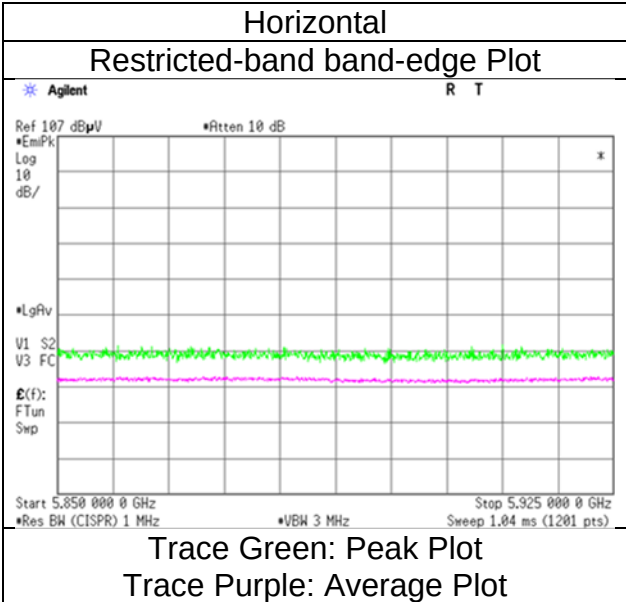
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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.
3
January 15, 2024
23 deg. C / 29 % RH
Takayuki Kobayashi
Tx 11ax-20 (OFDM), 5955 MHz With 2M-PHY BT LE 2440 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 3
Date January 15, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDM), 7095 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	47.98	37.00	18.54	43.29	0.00	2.49	62.72	-32.51	-7.0	25.5	271	37	-
Hori.	7125.000	AV	37.35	37.00	18.54	43.29	0.00	2.49	52.09	-43.14	-27.0	16.1	271	37	-
Vert.	7125.000	PK	48.51	37.00	18.54	43.29	0.00	2.49	63.25	-31.98	-7.0	24.9	172	43	-
Vert.	7125.000	AV	37.67	37.00	18.54	43.29	0.00	2.49	52.41	-42.82	-27.0	15.8	172	43	-

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

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

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

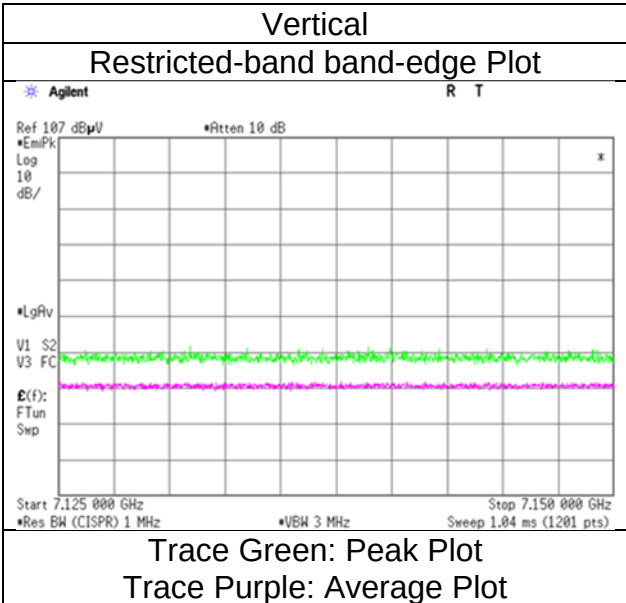
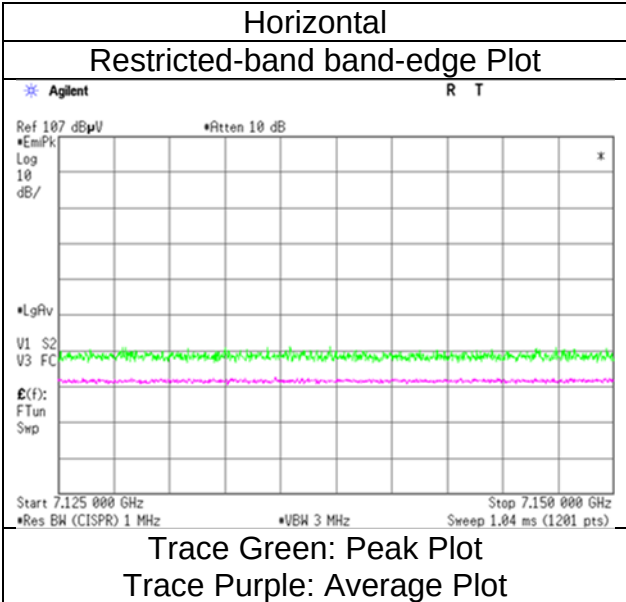
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	3
Date	January 15, 2024
Temperature / Humidity	23 deg. C / 29 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-20 (OFDM), 7095 MHz With 2M-PHY BT LE 2440 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 3
Date January 15, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDM), 5965 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	50.47	33.06	17.80	43.38	0.00	2.49	60.44	-34.79	-7.0	27.7	205	77	-
Hori.	5925.000	AV	39.15	33.06	17.80	43.38	0.00	2.49	49.12	-46.11	-27.0	19.1	205	77	-
Vert.	5925.000	PK	49.61	33.06	17.80	43.38	0.00	2.49	59.58	-35.65	-7.0	28.6	272	224	-
Vert.	5925.000	AV	39.26	33.06	17.80	43.38	0.00	2.49	49.23	-46.00	-27.0	19.0	272	224	-

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

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

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

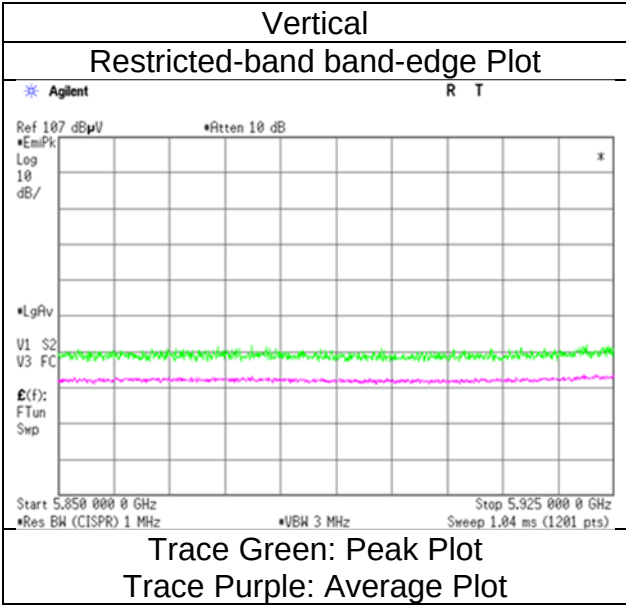
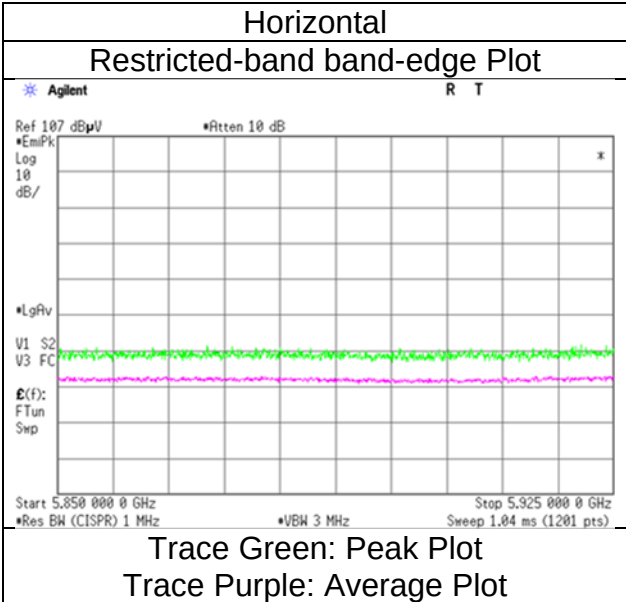
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	January 15, 2024
Temperature / Humidity	23 deg. C / 29 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-40 (OFDM), 5965 MHz With 2M-PHY BT LE 2440 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 3 3 3 3 3
Date January 24, 2024 January 15, 2024 January 23, 2024 January 23, 2024 January 24, 2024
Temperature / Humidity 21 deg.C, 24 %RH 23 deg.C, 26 %RH 23 deg.C, 30 %RH 23 deg.C, 30 %RH 23 deg.C, 31 %RH
Engineer Yosuke Murakami Takayuki Kobayashi Kouki Yamada Kouki Yamada Takayuki Kobayashi
(30 MHz -1 GHz) (1 GHz -10 GHz) (10 GHz -18 GHz) (18 GHz -26.5 GHz) (26.5 GHz -40 GHz)
Mode Tx 11ax-40 (OFDM), 6445 MHz With 2M-PHY BT LE 2440 MHz

(below 1 GHz and 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.	30.425	QP	22.60	18.86	6.48	32.20	0.00	15.74	40.0	24.2	100	0	-
Hori.	31.573	QP	23.20	18.43	6.51	32.20	0.00	15.94	40.0	24.0	100	0	-
Hori.	870.402	QP	21.10	21.99	10.86	31.24	0.00	22.71	46.0	23.2	100	0	-
Hori.	909.802	QP	20.80	21.99	10.99	31.00	0.00	22.78	46.0	23.2	100	0	-
Hori.	957.700	QP	20.70	21.96	11.15	30.65	0.00	23.16	46.0	22.8	100	0	-
Hori.	19335.000	PK	44.02	40.32	13.93	47.44	-9.54	41.29	73.9	32.6	150	0	Floor noise
Hori.	19335.000	AV	33.17	40.32	13.93	47.44	-9.54	30.44	53.9	23.4	150	0	Floor noise
Vert.	30.849	QP	22.50	18.70	6.50	32.20	0.00	15.50	40.0	24.5	100	0	-
Vert.	861.606	QP	20.90	21.87	10.83	31.29	0.00	22.31	46.0	23.6	100	0	-
Vert.	954.910	QP	20.60	21.97	11.14	30.68	0.00	23.03	46.0	22.9	100	0	-
Vert.	19335.000	PK	43.92	40.32	13.93	47.44	-9.54	41.19	73.9	32.7	150	0	Floor noise
Vert.	19335.000	AV	32.96	40.32	13.93	47.44	-9.54	30.23	53.9	23.6	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 : 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	12890.000	PK	46.31	38.57	10.53	41.87	0.00	-9.54	44.00	-51.23	-7.0	44.2	150	0	Floor noise
Hori.	25780.000	PK	44.66	40.69	16.30	47.03	0.00	-9.54	45.08	-50.15	-7.0	43.1	150	0	Floor noise
Hori.	12890.000	AV	37.19	38.57	10.53	41.87	0.00	-9.54	34.88	-60.35	-27.0	33.3	150	0	Floor noise
Hori.	25780.000	AV	34.17	40.69	16.30	47.03	0.00	-9.54	34.59	-60.64	-27.0	33.6	150	0	Floor noise
Vert.	12890.000	PK	46.27	38.57	10.53	41.87	0.00	-9.54	43.96	-51.27	-7.0	44.2	150	0	Floor noise
Vert.	25780.000	PK	44.67	40.69	16.30	47.03	0.00	-9.54	45.09	-50.14	-7.0	43.1	150	0	Floor noise
Vert.	12890.000	AV	37.07	38.57	10.53	41.87	0.00	-9.54	34.76	-60.47	-27.0	33.4	150	0	Floor noise
Vert.	25780.000	AV	34.03	40.69	16.30	47.03	0.00	-9.54	34.45	-60.78	-27.0	33.7	150	0	Floor noise

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

Result (AV) [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Duty factor + 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 3
Date January 15, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDM), 7085 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.72	37.00	18.54	43.29	0.00	2.49	64.46	-30.77	-7.0	23.7	260	2	-
Hori.	7125.000	AV	38.13	37.00	18.54	43.29	0.00	2.49	52.87	-42.36	-27.0	15.3	260	2	-
Vert.	7125.000	PK	49.44	37.00	18.54	43.29	0.00	2.49	64.18	-31.05	-7.0	24.0	167	306	-
Vert.	7125.000	AV	37.19	37.00	18.54	43.29	0.00	2.49	51.93	-43.30	-27.0	16.3	167	306	-

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

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

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

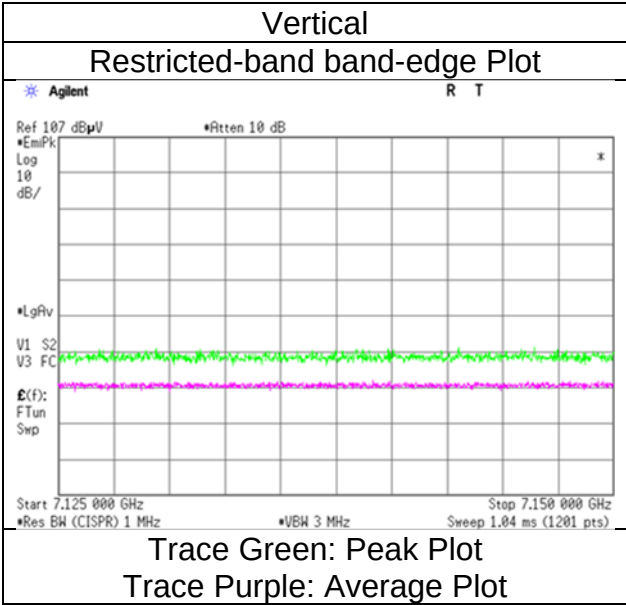
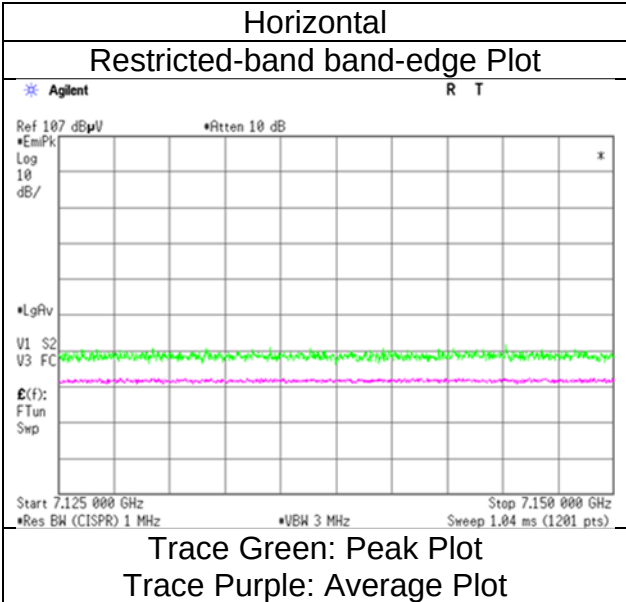
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	3
Date	January 15, 2024
Temperature / Humidity	23 deg. C / 29 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-40 (OFDM), 7085 MHz With 2M-PHY BT LE 2440 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 3
Date January 15, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDM), 5985 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.46	33.06	17.80	43.38	0.00	2.49	59.43	-35.80	-7.0	28.8	119	251	-
Hori.	5925.000	AV	38.41	33.06	17.80	43.38	0.22	2.49	48.60	-46.63	-27.0	19.6	119	251	-
Vert.	5925.000	PK	49.47	33.06	17.80	43.38	0.00	2.49	59.44	-35.79	-7.0	28.7	151	350	-
Vert.	5925.000	AV	38.57	33.06	17.80	43.38	0.22	2.49	48.76	-46.47	-27.0	19.4	151	350	-

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

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

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

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

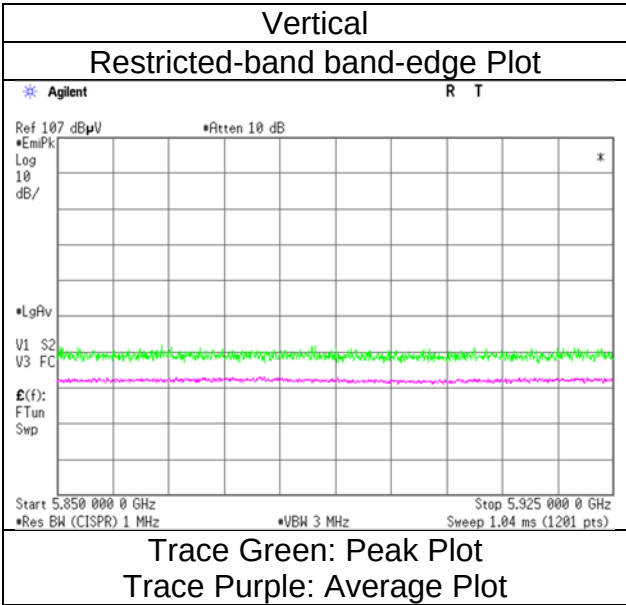
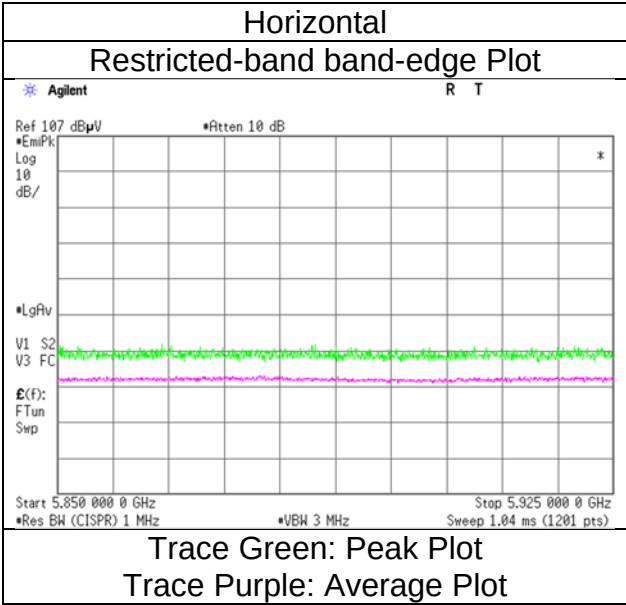
Distance factor : 1 GHz - 10 GHz : $20\log (3.995 \text{ m} / 3.0 \text{ m}) = 2.49 \text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
3
January 15, 2024
23 deg. C / 29 % RH
Takayuki Kobayashi
Tx 11ax-80 (OFDM), 5985 MHz With 2M-PHY BT LE 2440 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 3
Date January 15, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ac-80, 7025 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.89	37.00	18.54	43.29	0.00	2.49	63.63	-31.60	-7.0	24.6	269	10	-
Hori.	7125.000	AV	38.32	37.00	18.54	43.29	0.22	2.49	53.28	-41.95	-27.0	14.9	269	10	-
Vert.	7125.000	PK	49.17	37.00	18.54	43.29	0.00	2.49	63.91	-31.32	-7.0	24.3	144	153	-
Vert.	7125.000	AV	37.91	37.00	18.54	43.29	0.22	2.49	52.87	-42.36	-27.0	15.3	144	153	-

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

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

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

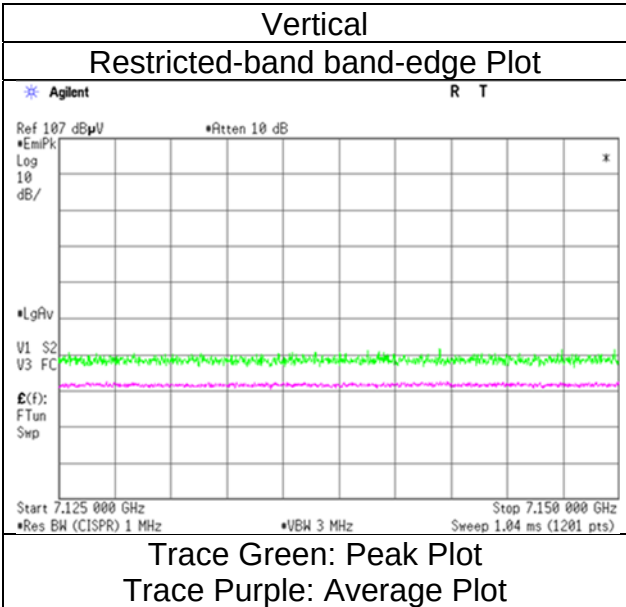
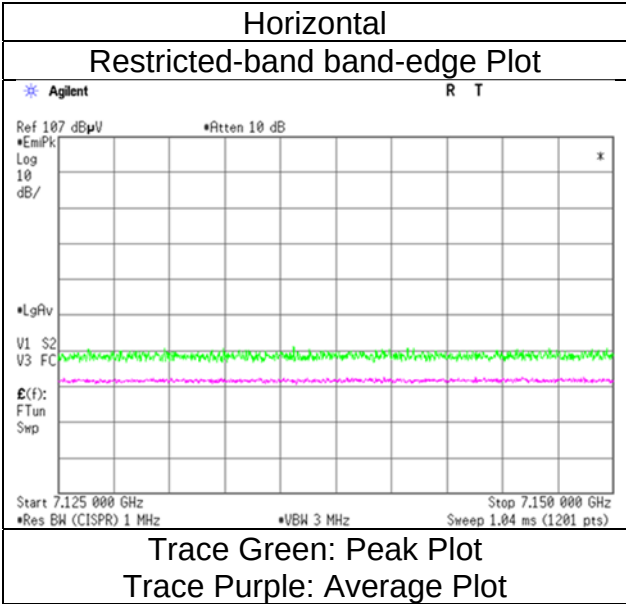
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

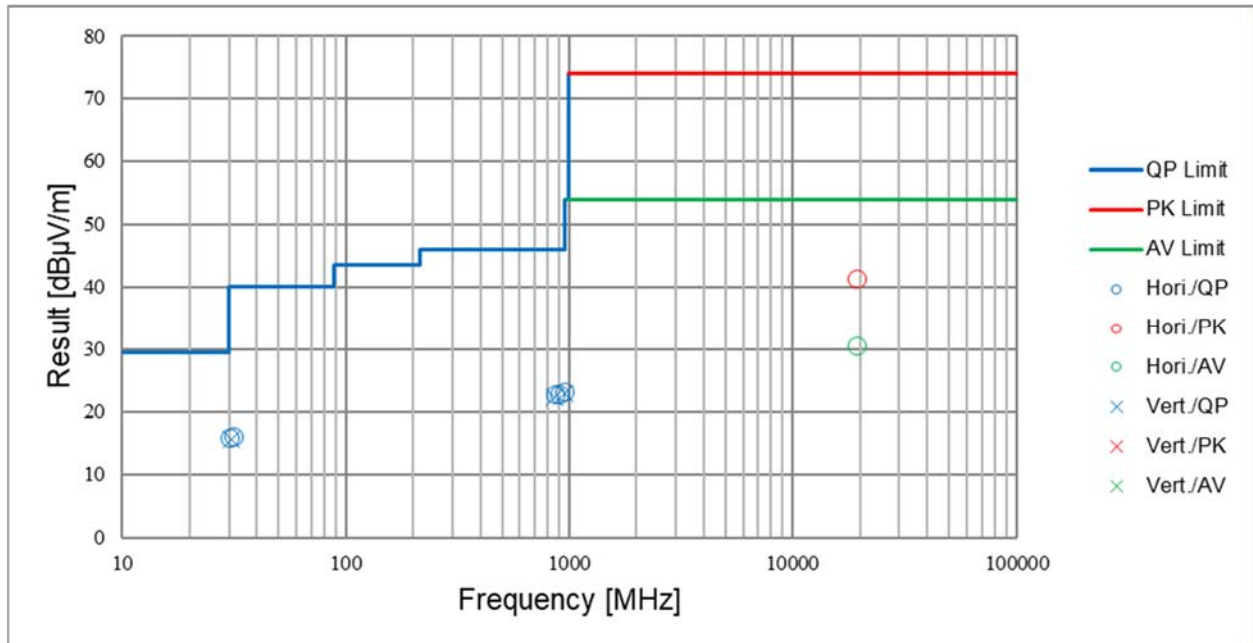
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	January 15, 2024
Temperature / Humidity	23 deg. C / 29 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ac-80, 7025 MHz With 2M-PHY BT LE 2440 MHz



* 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	3	3	3	3	3
Date	January 24, 2024	January 15, 2024	January 23, 2024	January 23, 2024	January 24, 2024
Temperature / Humidity	21 deg.C, 24 %RH	23 deg.C, 26 %RH	23 deg.C, 30 %RH	23 deg.C, 30 %RH	23 deg.C, 31 %RH
Engineer	Yosuke Murakami	Takayuki Kobayashi	Kouki Yamada	Kouki Yamada	Takayuki Kobayashi
Mode	(30 MHz -1 GHz) Tx 11ax-40 (OFDM), 6445 MHz With 2M-PHY	(1 GHz -10 GHz) BT LE 2440 MHz	(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 January 16, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 26-tone RU, 5955 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	48.47	33.06	17.80	43.38	0.00	2.49	58.44	-36.79	-7.0	29.7	150	245	-
Hori.	5925.000	AV	38.40	33.06	17.80	43.38	0.00	2.49	48.37	-46.86	-27.0	19.8	150	245	-
Vert.	5925.000	PK	49.15	33.06	17.80	43.38	0.00	2.49	59.12	-36.11	-7.0	29.1	272	218	-
Vert.	5925.000	AV	37.21	33.06	17.80	43.38	0.00	2.49	47.18	-48.05	-27.0	21.0	272	218	-

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

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

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

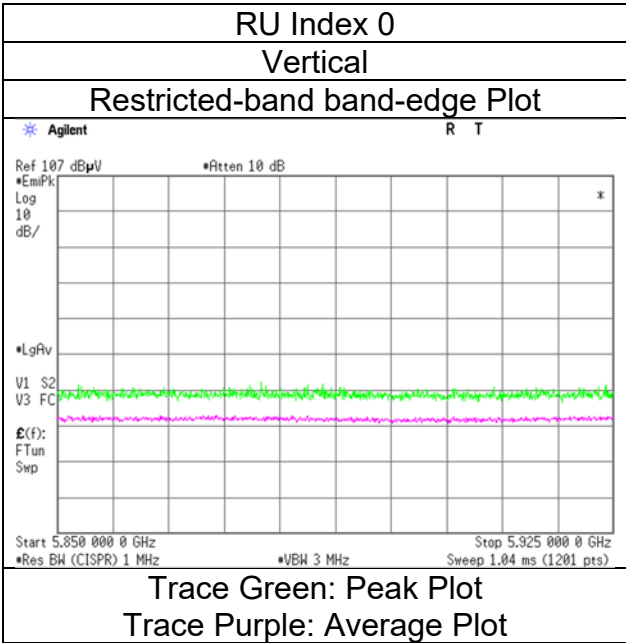
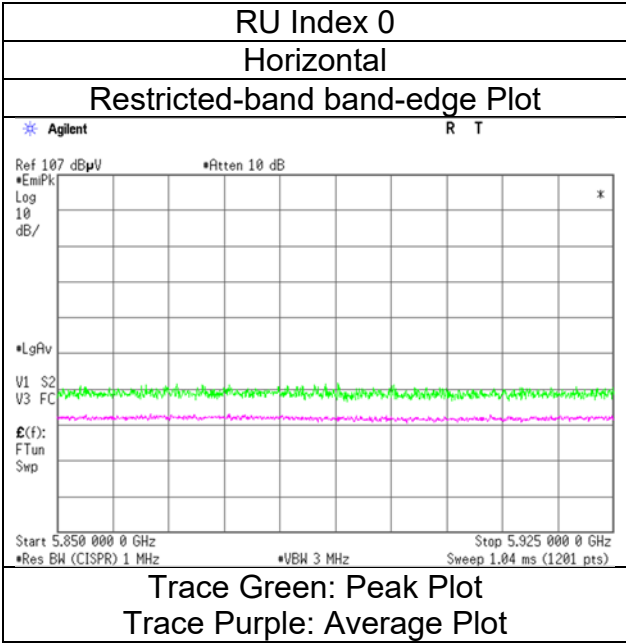
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	January 16, 2024
Temperature / Humidity	23 deg. C / 29 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-20 (OFDMA) 26-tone RU, 5955 MHz With 2M-PHY BT LE 2440 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 January 16, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 52-tone RU, 5955 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	48.88	33.06	17.80	43.38	0.00	2.49	58.85	-36.38	-7.0	29.3	254	75	-
Hori.	5925.000	AV	38.24	33.06	17.80	43.38	0.00	2.49	48.21	-47.02	-27.0	20.0	254	75	-
Vert.	5925.000	PK	48.92	33.06	17.80	43.38	0.00	2.49	58.89	-36.34	-7.0	29.3	262	226	-
Vert.	5925.000	AV	38.18	33.06	17.80	43.38	0.00	2.49	48.15	-47.08	-27.0	20.0	262	226	-

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

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

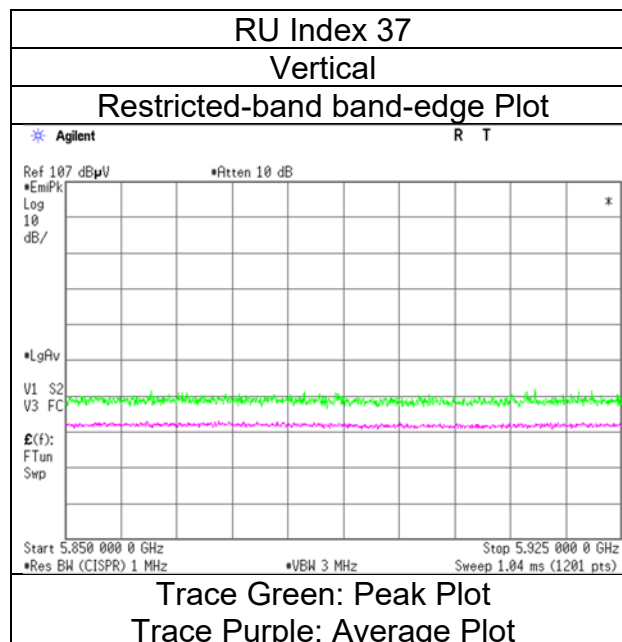
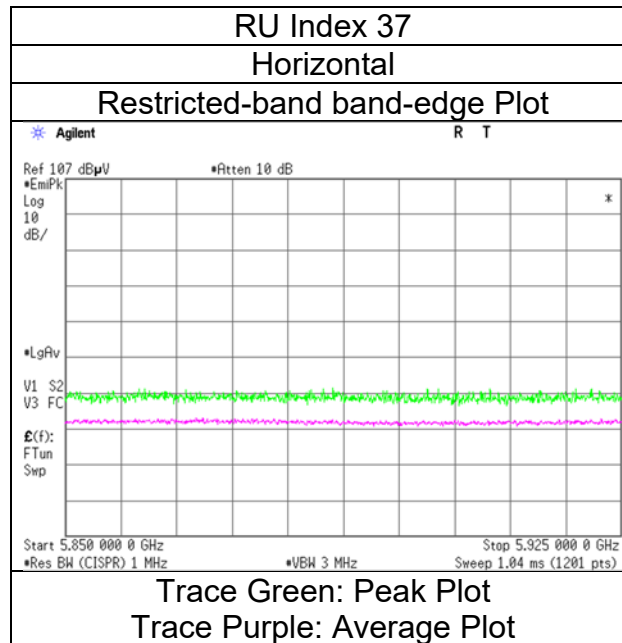
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
January 16, 2024
23 deg. C / 29 % RH
Takayuki Kobayashi
Tx 11ax-20 (OFDMA) 52-tone RU, 5955 MHz With 2M-PHY BT LE 2440 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 January 16, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 106-tone RU, 5955 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.10	33.06	17.80	43.38	0.00	2.49	59.07	-36.16	-7.0	29.1	320	98	-
Hori.	5925.000	AV	37.45	33.06	17.80	43.38	0.00	2.49	47.42	-47.81	-27.0	20.8	320	98	-
Vert.	5925.000	PK	49.19	33.06	17.80	43.38	0.00	2.49	59.16	-36.07	-7.0	29.0	143	231	-
Vert.	5925.000	AV	37.81	33.06	17.80	43.38	0.00	2.49	47.78	-47.45	-27.0	20.4	143	231	-

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

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

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

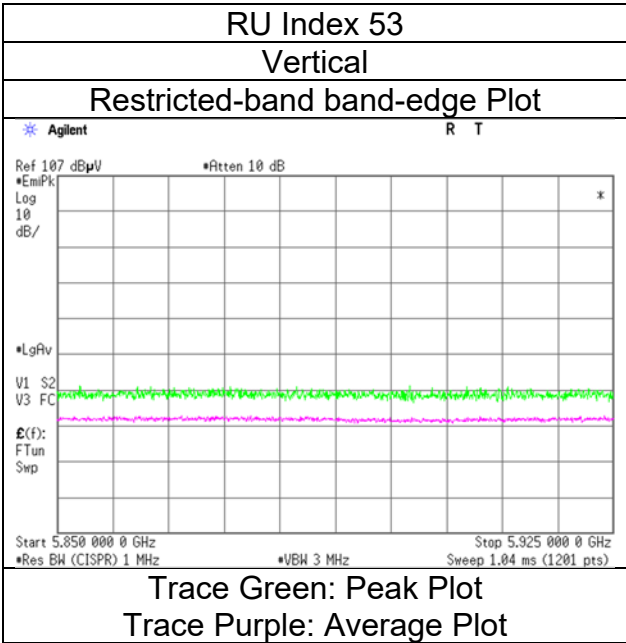
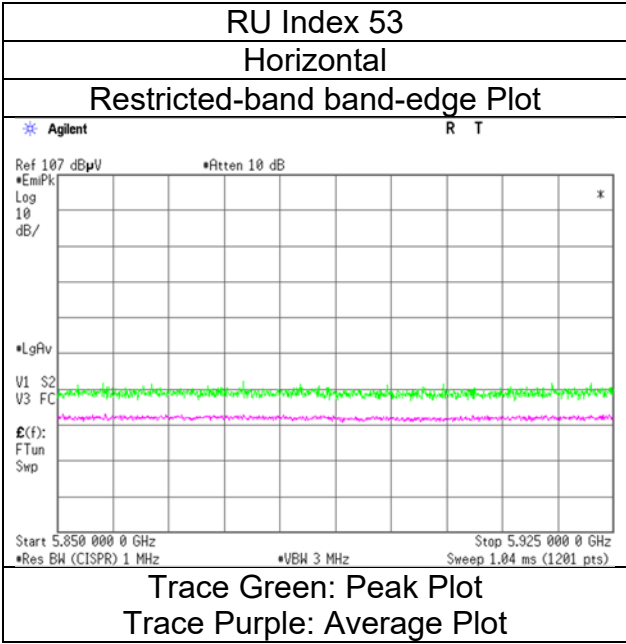
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	January 16, 2024
Temperature / Humidity	23 deg. C / 29 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-20 (OFDMA) 106-tone RU, 5955 MHz With 2M-PHY BT LE 2440 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 January 16, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 242-tone RU, 5955 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.25	33.06	17.80	43.38	0.00	2.49	59.22	-36.01	-7.0	29.0	267	94	-
Hori.	5925.000	AV	37.97	33.06	17.80	43.38	0.00	2.49	47.94	-47.29	-27.0	20.2	267	94	-
Vert.	5925.000	PK	49.20	33.06	17.80	43.38	0.00	2.49	59.17	-36.06	-7.0	29.0	150	227	-
Vert.	5925.000	AV	38.58	33.06	17.80	43.38	0.00	2.49	48.55	-46.68	-27.0	19.6	150	227	-

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

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

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

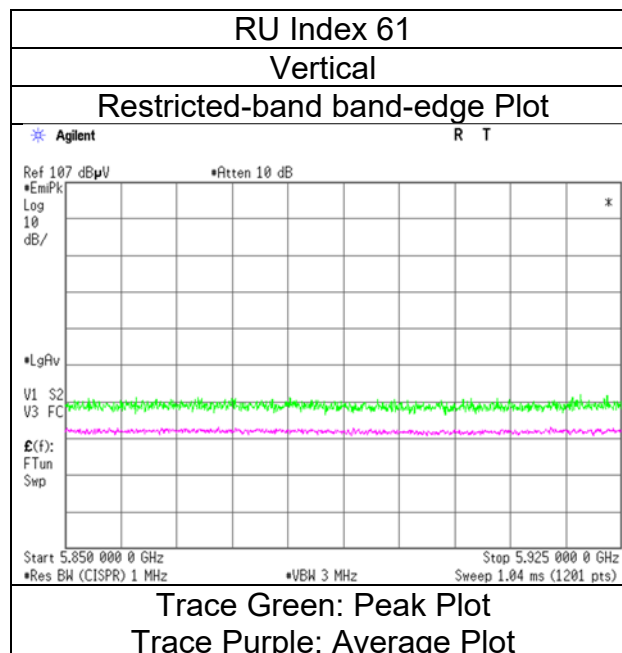
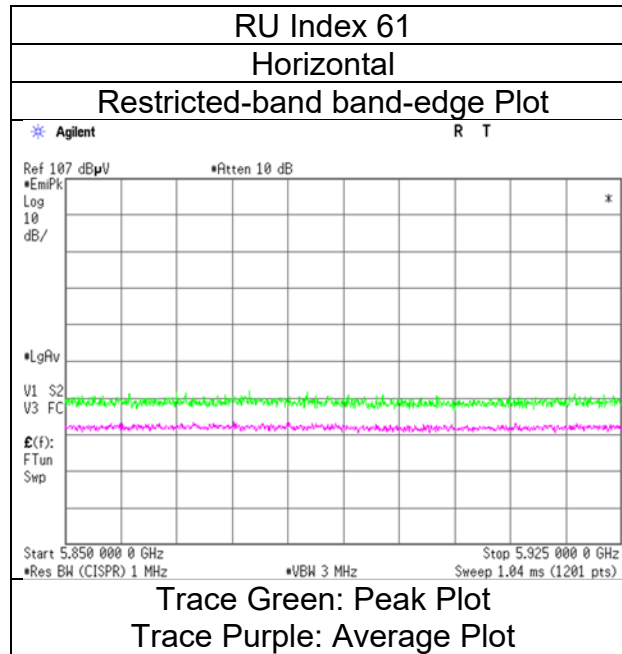
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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 January 16, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 242-tone RU, 5955 MHz With 2M-PHY BT LE 2440 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 January 16, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 26-tone RU, 7095 MHz With 2M-PHY BT LE 2440 MHz

RU Index 8

(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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.20	37.00	18.54	43.29	0.00	2.49	62.94	-32.29	-7.0	25.2	239	49	-
Hori.	7125.000	AV	37.50	37.00	18.54	43.29	0.00	2.49	52.24	-42.99	-27.0	15.9	239	49	-
Vert.	7125.000	PK	49.33	37.00	18.54	43.29	0.00	2.49	64.07	-31.16	-7.0	24.1	151	326	-
Vert.	7125.000	AV	37.06	37.00	18.54	43.29	0.00	2.49	51.80	-43.43	-27.0	16.4	151	326	-

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

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

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

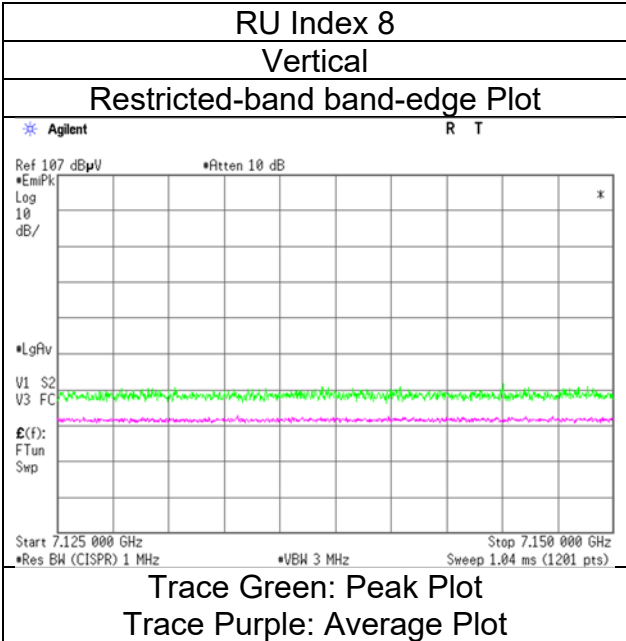
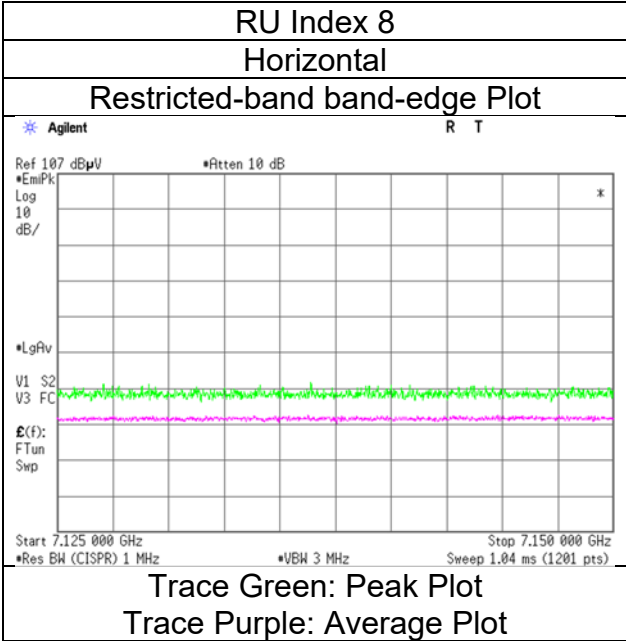
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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 January 16, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 26-tone RU, 7095 MHz With 2M-PHY BT LE 2440 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 January 16, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 52-tone RU, 7095 MHz With 2M-PHY BT LE 2440 MHz

RU Index 40

(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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.32	37.00	18.54	43.29	0.00	2.49	63.06	-32.17	-7.0	25.1	277	38	-
Hori.	7125.000	AV	37.87	37.00	18.54	43.29	0.00	2.49	52.61	-42.62	-27.0	15.6	277	38	-
Vert.	7125.000	PK	48.85	37.00	18.54	43.29	0.00	2.49	63.59	-31.64	-7.0	24.6	148	326	-
Vert.	7125.000	AV	37.31	37.00	18.54	43.29	0.00	2.49	52.05	-43.18	-27.0	16.1	148	326	-

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

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

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

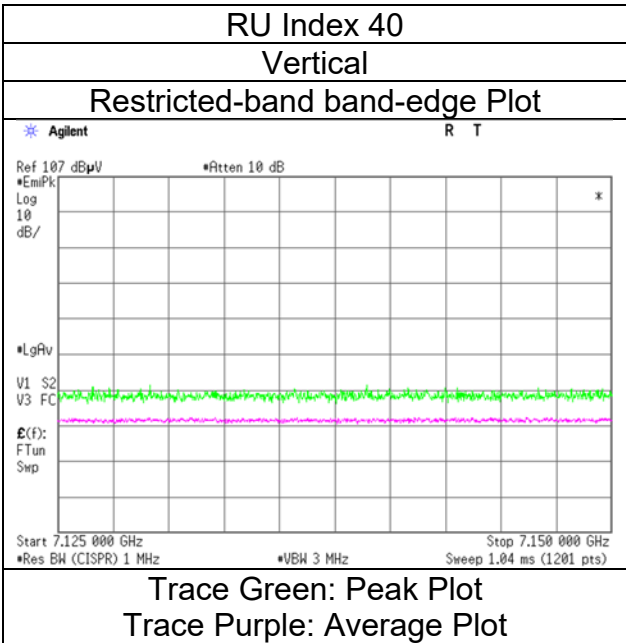
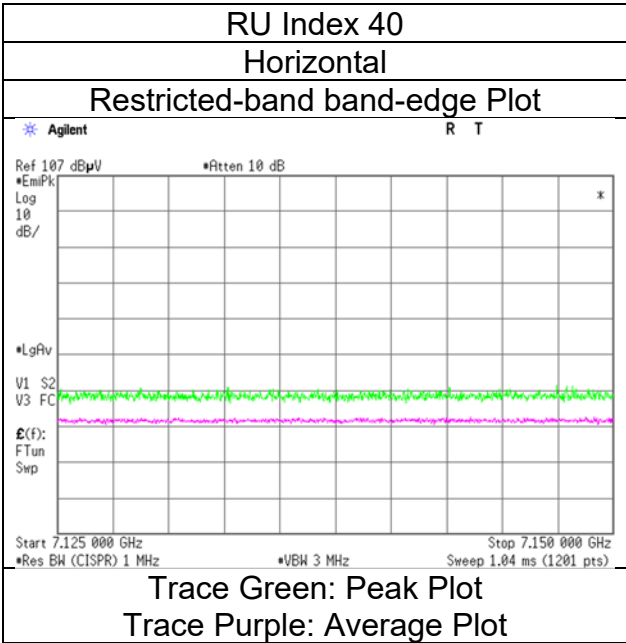
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	January 16, 2024
Temperature / Humidity	23 deg. C / 29 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-20 (OFDMA) 52-tone RU, 7095 MHz With 2M-PHY BT LE 2440 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 January 16, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 106-tone RU, 7095 MHz With 2M-PHY BT LE 2440 MHz

RU Index 54

(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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.82	37.00	18.54	43.29	0.00	2.49	63.56	-31.67	-7.0	24.6	249	45	-
Hori.	7125.000	AV	37.81	37.00	18.54	43.29	0.00	2.49	52.55	-42.68	-27.0	15.6	249	45	-
Vert.	7125.000	PK	48.49	37.00	18.54	43.29	0.00	2.49	63.23	-32.00	-7.0	25.0	149	326	-
Vert.	7125.000	AV	37.28	37.00	18.54	43.29	0.00	2.49	52.02	-43.21	-27.0	16.2	149	326	-

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

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

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

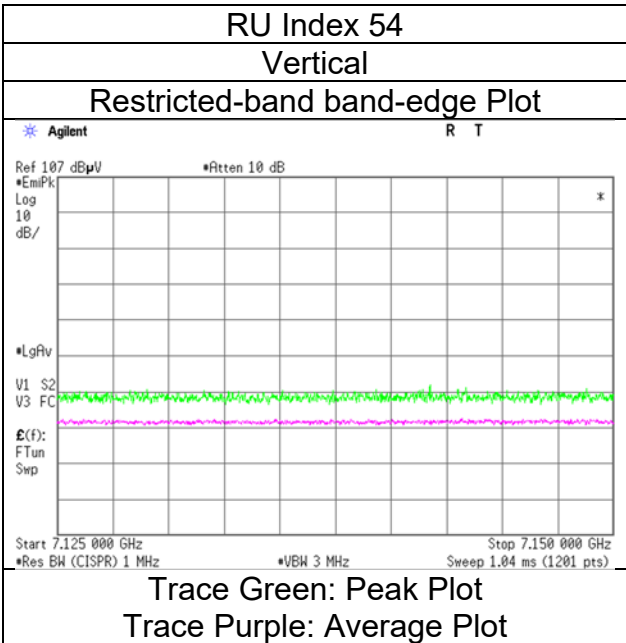
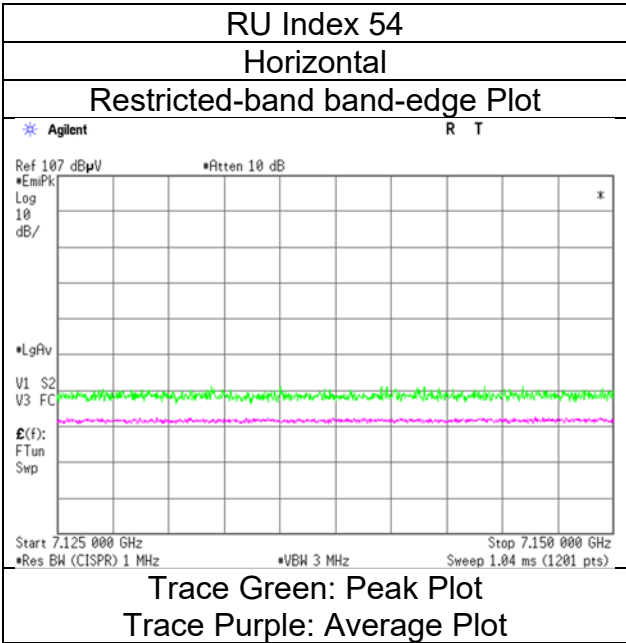
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	January 16, 2024
Temperature / Humidity	23 deg. C / 29 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-20 (OFDMA) 106-tone RU, 7095 MHz With 2M-PHY BT LE 2440 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 January 16, 2024
Temperature / Humidity 23 deg. C / 29 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-20 (OFDMA) 242-tone RU, 7095 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.27	37.00	18.54	43.29	0.00	2.49	64.01	-31.22	-7.0	24.2	247	45	-
Hori.	7125.000	AV	38.24	37.00	18.54	43.29	0.00	2.49	52.98	-42.25	-27.0	15.2	247	45	-
Vert.	7125.000	PK	48.41	37.00	18.54	43.29	0.00	2.49	63.15	-32.08	-7.0	25.0	145	270	-
Vert.	7125.000	AV	37.91	37.00	18.54	43.29	0.00	2.49	52.65	-42.58	-27.0	15.5	145	270	-

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

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

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

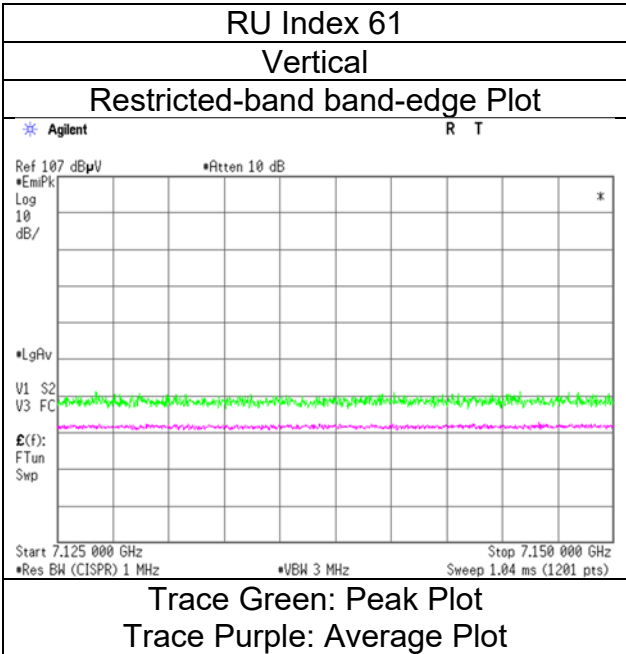
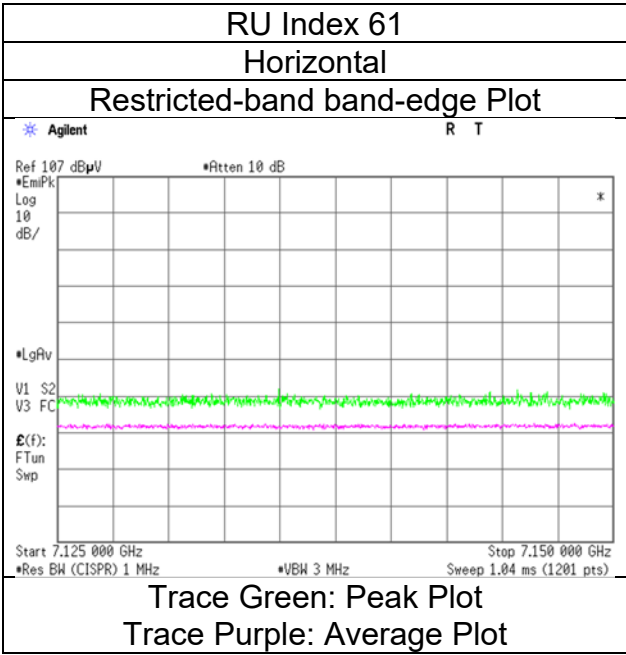
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	January 16, 2024
Temperature / Humidity	23 deg. C / 29 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-20 (OFDMA) 242-tone RU, 7095 MHz With 2M-PHY BT LE 2440 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 February 15, 2024
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 26-tone RU, 5965 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	50.37	33.06	17.69	43.38	0.00	2.49	60.23	-35.00	-7.0	28.0	340	32	-
Hori.	5925.000	AV	37.83	33.06	17.69	43.38	0.00	2.49	47.69	-47.54	-27.0	20.5	340	32	-
Vert.	5925.000	PK	49.63	33.06	17.70	43.38	0.00	2.49	59.50	-35.73	-7.0	28.7	114	229	-
Vert.	5925.000	AV	38.70	33.06	17.70	43.38	0.00	2.49	48.57	-46.66	-27.0	19.6	114	229	-

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

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

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

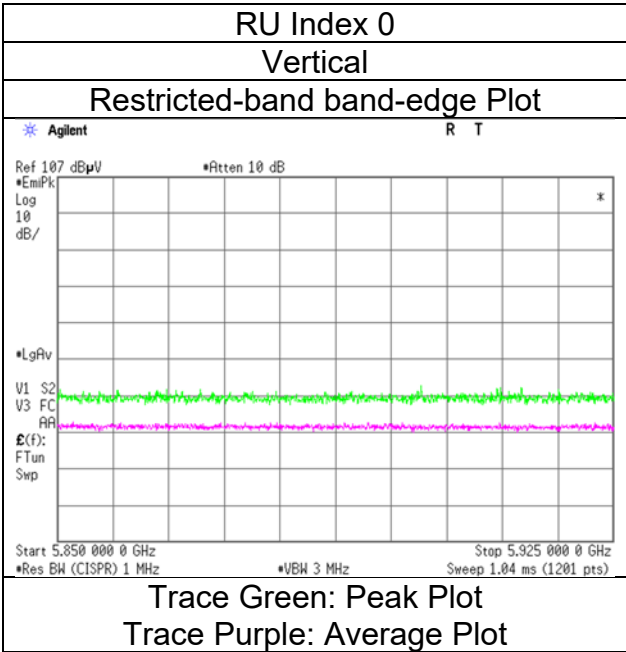
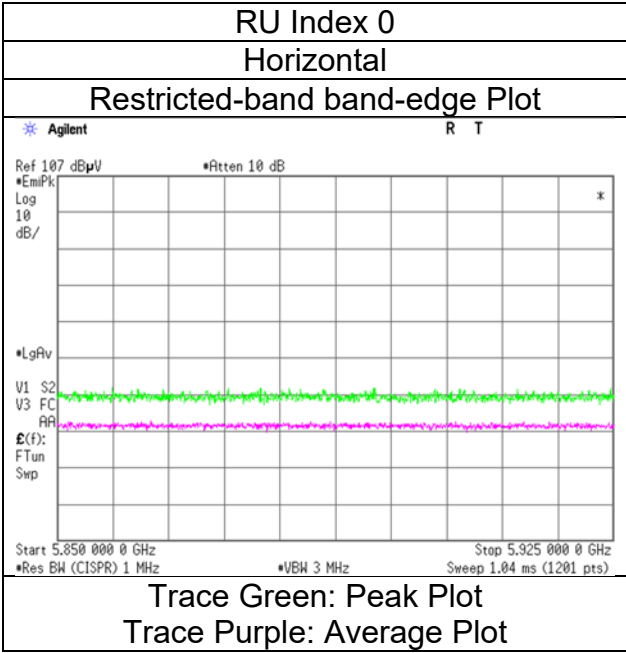
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	February 15, 2024
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-40 (OFDMA) 26-tone RU, 5965 MHz With 2M-PHY BT LE 2440 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 February 15, 2024
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 52-tone RU, 5965 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.23	33.06	17.70	43.38	0.00	2.49	59.10	-36.13	-7.0	29.1	150	242	-
Hori.	5925.000	AV	38.56	33.06	17.70	43.38	0.00	2.49	48.43	-46.80	-27.0	19.8	150	242	-
Vert.	5925.000	PK	49.85	33.06	17.70	43.38	0.00	2.49	59.72	-35.51	-7.0	28.5	228	226	-
Vert.	5925.000	AV	38.40	33.06	17.70	43.38	0.00	2.49	48.27	-46.96	-27.0	19.9	228	226	-

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

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

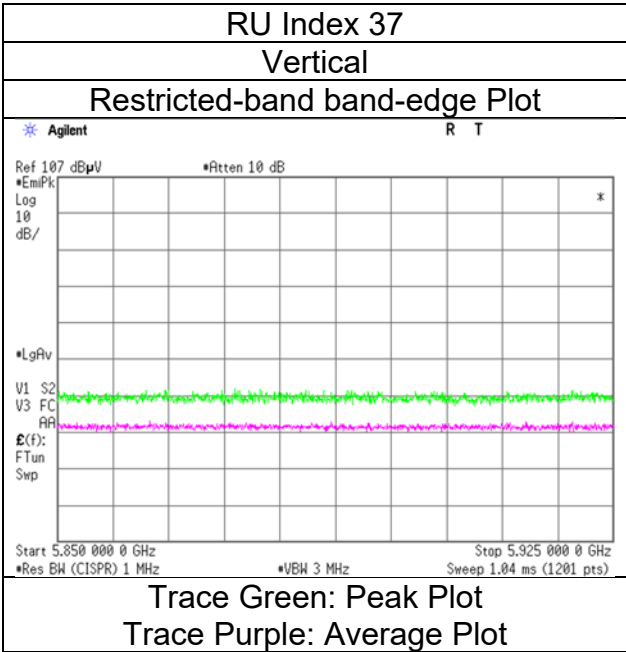
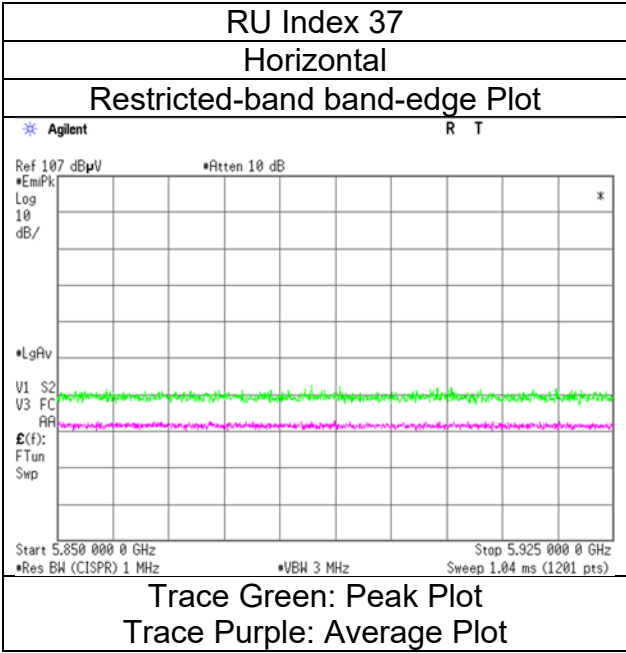
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 15, 2024
23 deg. C / 30 % RH
Takayuki Kobayashi
Tx 11ax-40 (OFDMA) 52-tone RU, 5965 MHz With 2M-PHY BT LE 2440 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 February 15, 2024
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 106 -tone RU, 5965 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.41	33.06	17.70	43.38	0.00	2.49	59.28	-35.95	-7.0	28.9	147	28	-
Hori.	5925.000	AV	38.89	33.06	17.70	43.38	0.00	2.49	48.76	-46.47	-27.0	19.4	147	28	-
Vert.	5925.000	PK	50.34	33.06	17.70	43.38	0.00	2.49	60.21	-35.02	-7.0	28.0	229	225	-
Vert.	5925.000	AV	39.26	33.06	17.70	43.38	0.00	2.49	49.13	-46.10	-27.0	19.1	229	225	-

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

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

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

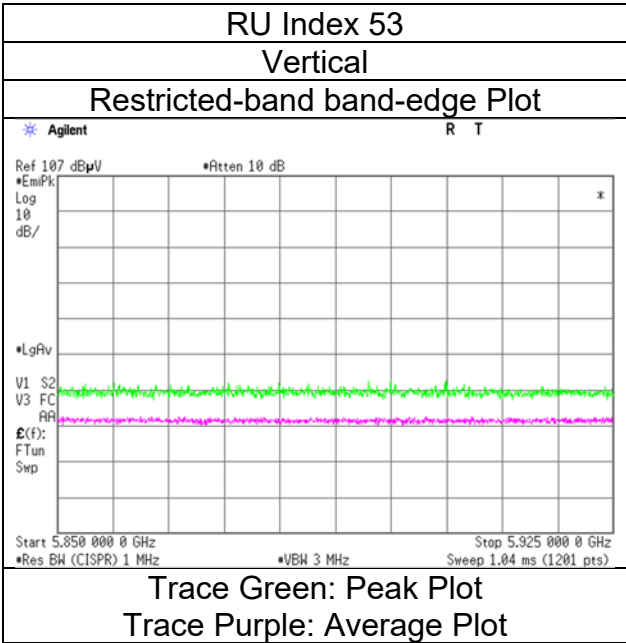
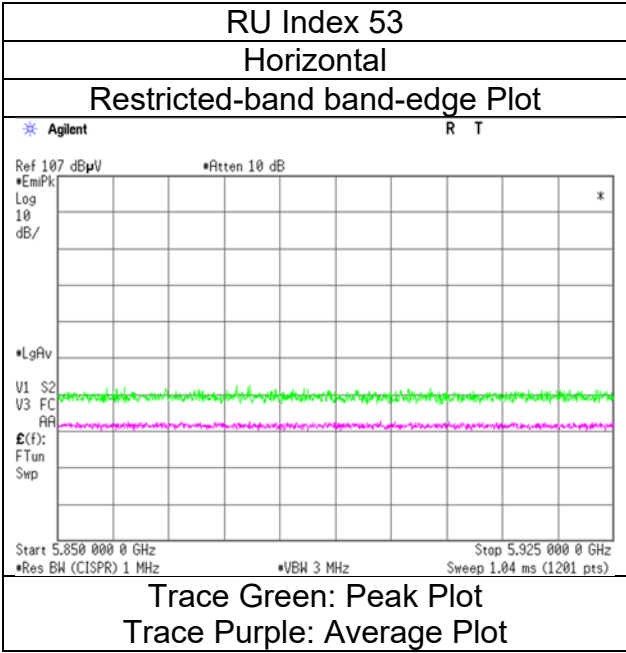
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	February 15, 2024
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-40 (OFDMA) 106 -tone RU, 5965 MHz With 2M-PHY BT LE 2440 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 February 16, 2024
Temperature / Humidity 24 deg. C / 35 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 242-tone RU, 5965 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.51	33.06	17.70	43.38	0.00	2.49	59.38	-35.85	-7.0	28.8	246	283	-
Hori.	5925.000	AV	38.94	33.06	17.70	43.38	0.00	2.49	48.81	-46.42	-27.0	19.4	246	283	-
Vert.	5925.000	PK	50.27	33.06	17.70	43.38	0.00	2.49	60.14	-35.09	-7.0	28.0	208	359	-
Vert.	5925.000	AV	38.33	33.06	17.70	43.38	0.00	2.49	48.20	-47.03	-27.0	20.0	208	359	-

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

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

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

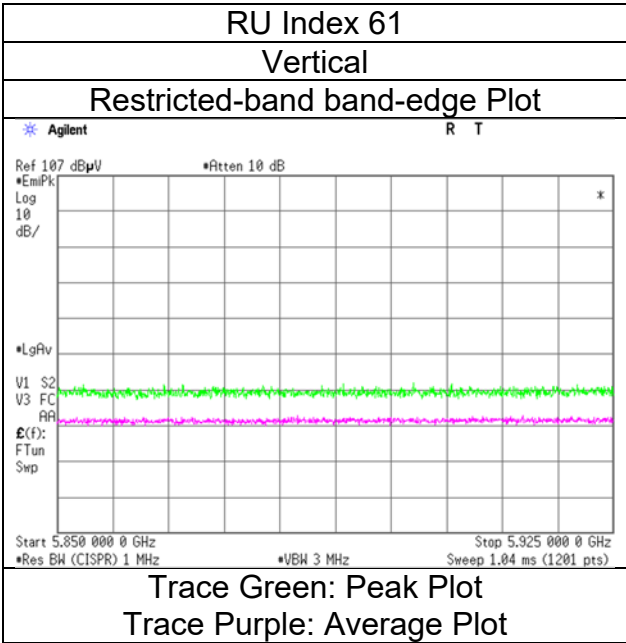
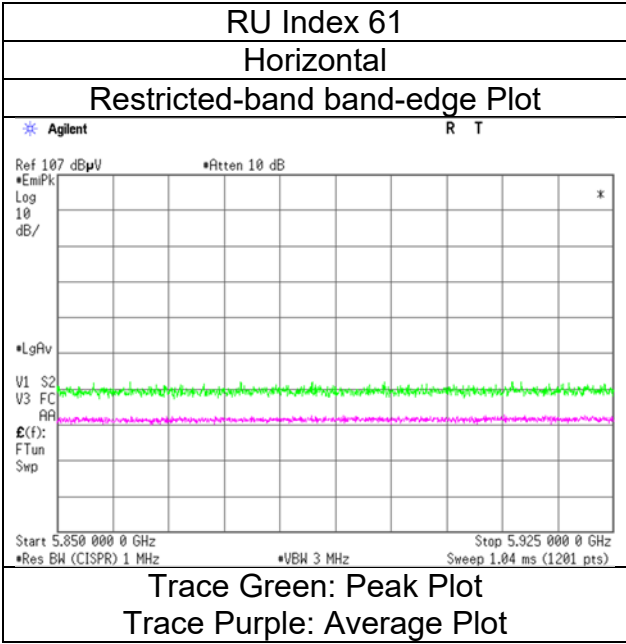
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	February 16, 2024
Temperature / Humidity	24 deg. C / 35 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-40 (OFDMA) 242-tone RU, 5965 MHz With 2M-PHY BT LE 2440 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 January 17, 2024
Temperature / Humidity 20 deg. C / 30 % RH
Engineer Yohsuke Matsuzawa
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 484-tone RU, 5965 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.25	33.06	17.69	43.38	0.00	2.49	59.11	-36.12	-7.0	29.1	245	50	-
Hori.	5925.000	AV	39.81	33.06	17.69	43.38	0.00	2.49	49.67	-45.56	-27.0	18.5	245	50	-
Vert.	5925.000	PK	49.36	33.06	17.69	43.38	0.00	2.49	59.22	-36.01	-7.0	29.0	198	134	-
Vert.	5925.000	AV	39.78	33.06	17.69	43.38	0.00	2.49	49.64	-45.59	-27.0	18.5	198	134	-

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

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

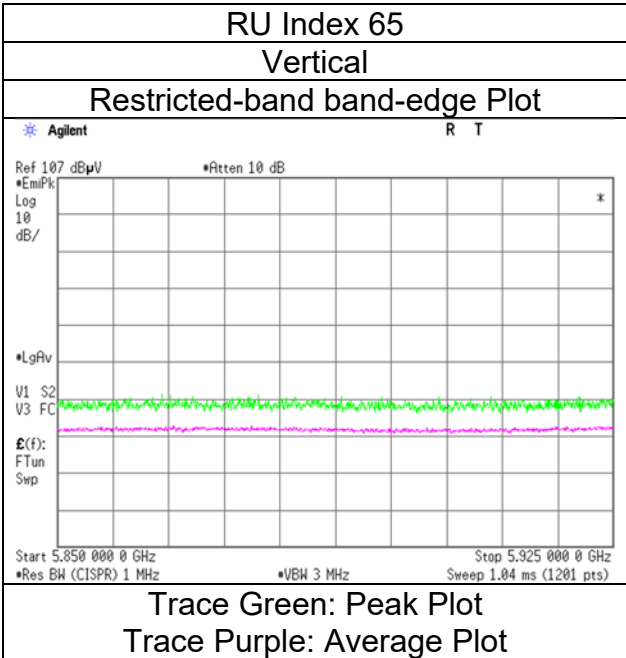
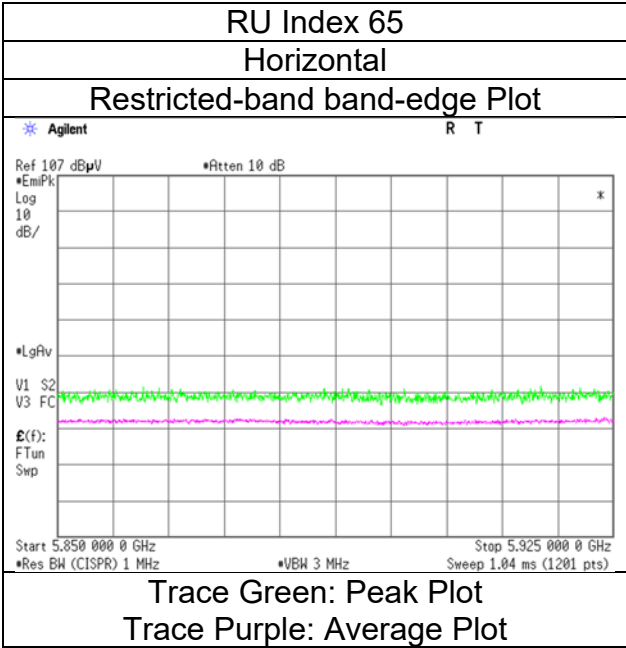
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
January 17, 2024
20 deg. C / 30 % RH
Yohsuke Matsuzawa
Tx 11ax-40 (OFDMA) 484-tone RU, 5965 MHz With 2M-PHY BT LE 2440 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 February 15, 2024
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 26-tone RU, 7085 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	48.50	37.00	18.13	43.29	0.00	2.49	62.83	-32.40	-7.0	25.4	305	50	-
Hori.	7125.000	AV	38.06	37.00	18.13	43.29	0.00	2.49	52.39	-42.84	-27.0	15.8	305	50	-
Vert.	7125.000	PK	48.37	37.00	18.13	43.29	0.00	2.49	62.70	-32.53	-7.0	25.5	212	40	-
Vert.	7125.000	AV	38.03	37.00	18.13	43.29	0.00	2.49	52.36	-42.87	-27.0	15.8	212	40	-

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

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

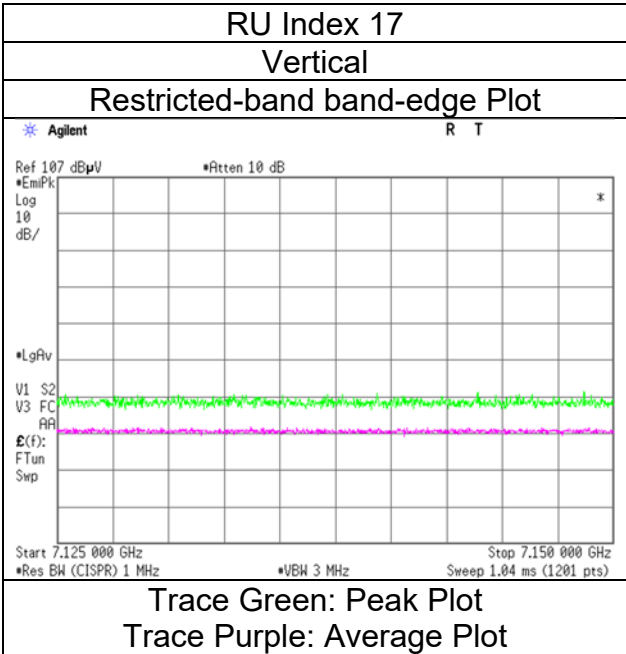
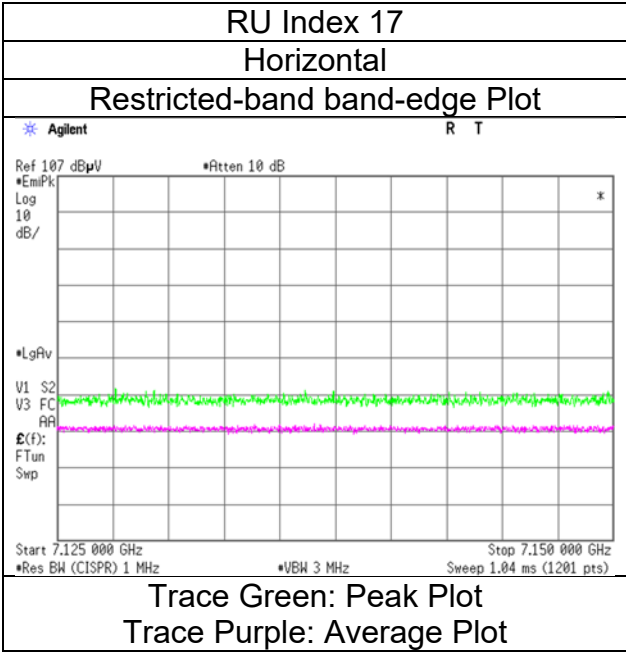
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 15, 2024
23 deg. C / 30 % RH
Takayuki Kobayashi
Tx 11ax-40 (OFDMA) 26-tone RU, 7085 MHz With 2M-PHY BT LE 2440 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 February 15, 2024
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 52-tone RU, 7085 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.17	37.00	18.13	43.29	0.00	2.49	63.50	-31.73	-7.0	24.7	345	51	-
Hori.	7125.000	AV	37.76	37.00	18.13	43.29	0.00	2.49	52.09	-43.14	-27.0	16.1	345	51	-
Vert.	7125.000	PK	49.57	37.00	18.13	43.29	0.00	2.49	63.90	-31.33	-7.0	24.3	211	42	-
Vert.	7125.000	AV	37.53	37.00	18.13	43.29	0.00	2.49	51.86	-43.37	-27.0	16.3	211	42	-

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

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

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

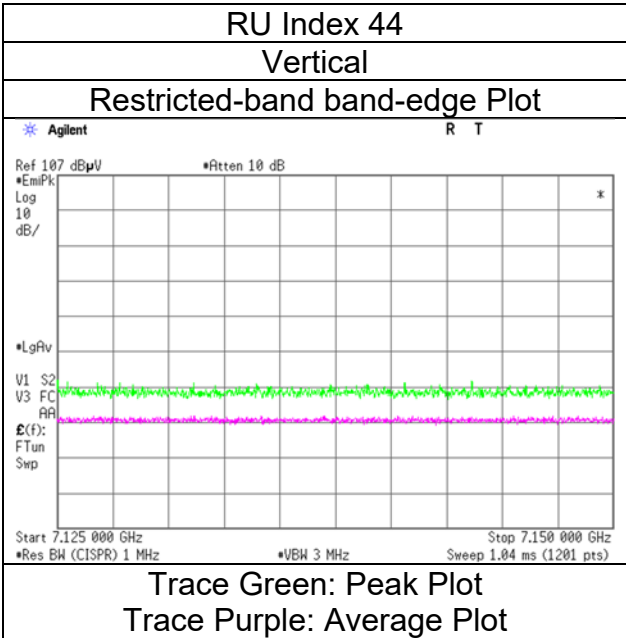
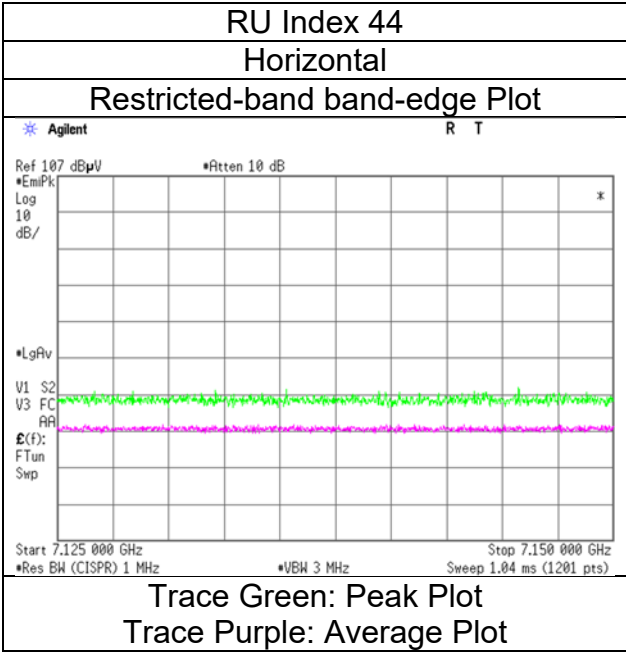
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	February 15, 2024
Temperature / Humidity	23 deg. C / 30 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-40 (OFDMA) 52-tone RU, 7085 MHz With 2M-PHY BT LE 2440 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 February 15, 2024
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 106 -tone RU, 7085 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.12	37.00	18.13	43.29	0.00	2.49	63.45	-31.78	-7.0	24.7	324	50	-
Hori.	7125.000	AV	38.39	37.00	18.13	43.29	0.00	2.49	52.72	-42.51	-27.0	15.5	324	50	-
Vert.	7125.000	PK	49.10	37.00	18.13	43.29	0.00	2.49	63.43	-31.80	-7.0	24.8	210	43	-
Vert.	7125.000	AV	37.48	37.00	18.13	43.29	0.00	2.49	51.81	-43.42	-27.0	16.4	210	43	-

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

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

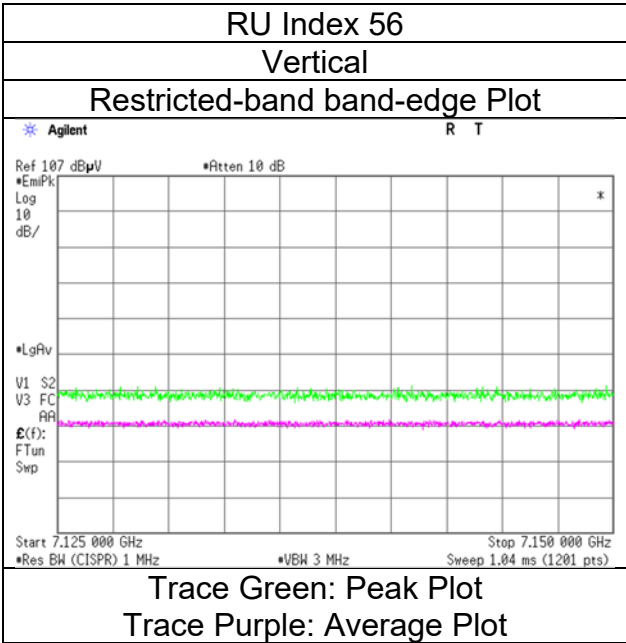
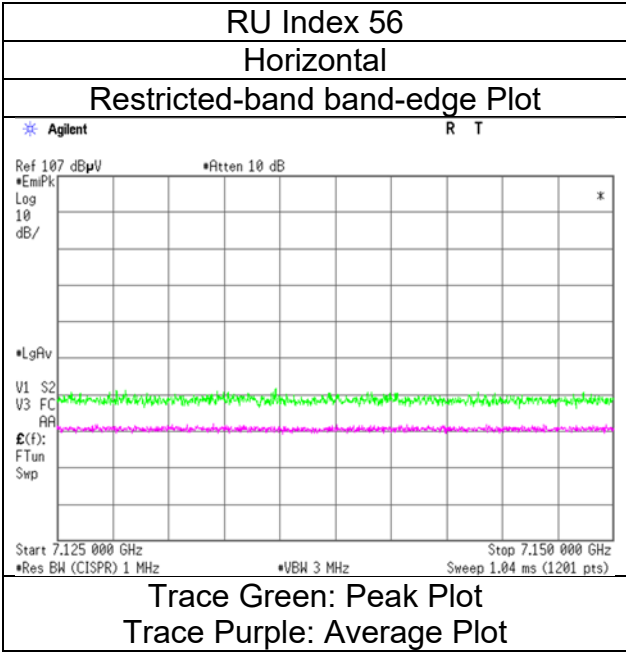
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 15, 2024
23 deg. C / 30 % RH
Takayuki Kobayashi
Tx 11ax-40 (OFDMA) 106 -tone RU, 7085 MHz With 2M-PHY BT LE 2440 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 February 16, 2024
Temperature / Humidity 24 deg. C / 35 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 242-tone RU, 7085 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	50.57	37.00	18.47	43.29	0.00	2.49	65.24	-29.99	-7.0	22.9	291	52	-
Hori.	7125.000	AV	38.63	37.00	18.47	43.29	0.00	2.49	53.30	-41.93	-27.0	14.9	291	52	-
Vert.	7125.000	PK	49.94	37.00	18.47	43.29	0.00	2.49	64.61	-30.62	-7.0	23.6	151	31	-
Vert.	7125.000	AV	38.86	37.00	18.47	43.29	0.00	2.49	53.53	-41.70	-27.0	14.7	151	31	-

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

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

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

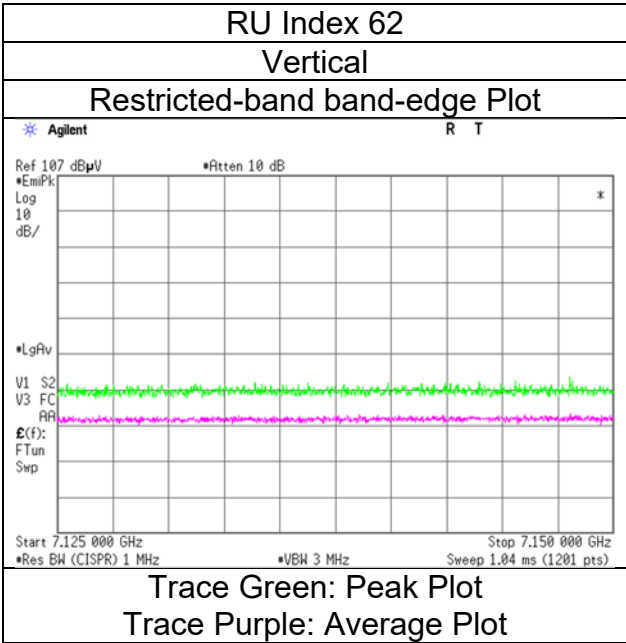
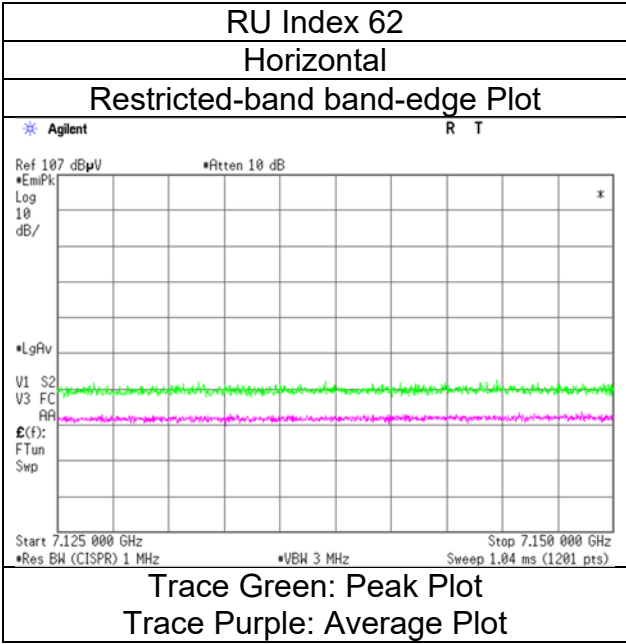
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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	February 16, 2024
Temperature / Humidity	24 deg. C / 35 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-40 (OFDMA) 242-tone RU, 7085 MHz With 2M-PHY BT LE 2440 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 January 17, 2024
Temperature / Humidity 20 deg. C / 30 % RH
Engineer Yohsuke Matsuzawa
 (1 GHz -8 GHz)
Mode Tx 11ax-40 (OFDMA) 484-tone RU, 7085 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	7125.000	PK	49.10	37.00	18.45	43.29	0.00	2.49	63.75	-31.48	-7.0	24.4	245	45	-
Hori.	7125.000	AV	38.11	37.00	18.45	43.29	0.00	2.49	52.76	-42.47	-27.0	15.4	245	45	-
Vert.	7125.000	PK	49.45	37.00	18.45	43.29	0.00	2.49	64.10	-31.13	-7.0	24.1	126	121	-
Vert.	7125.000	AV	38.21	37.00	18.45	43.29	0.00	2.49	52.86	-42.37	-27.0	15.3	126	121	-

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

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

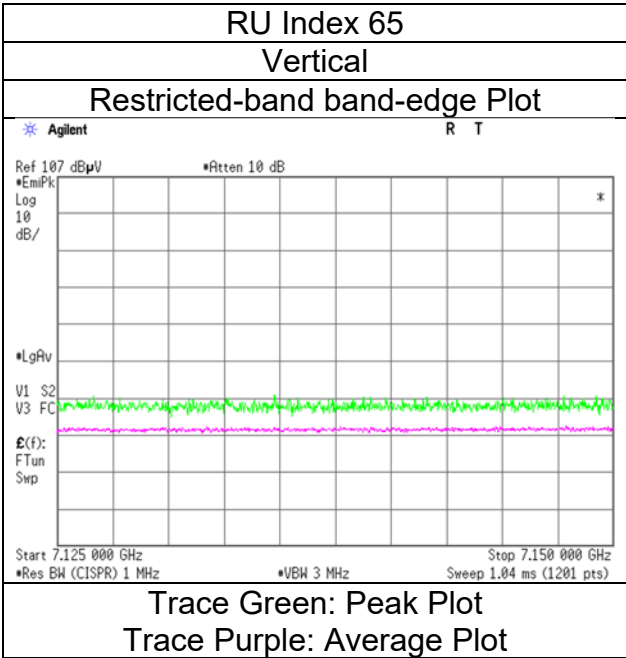
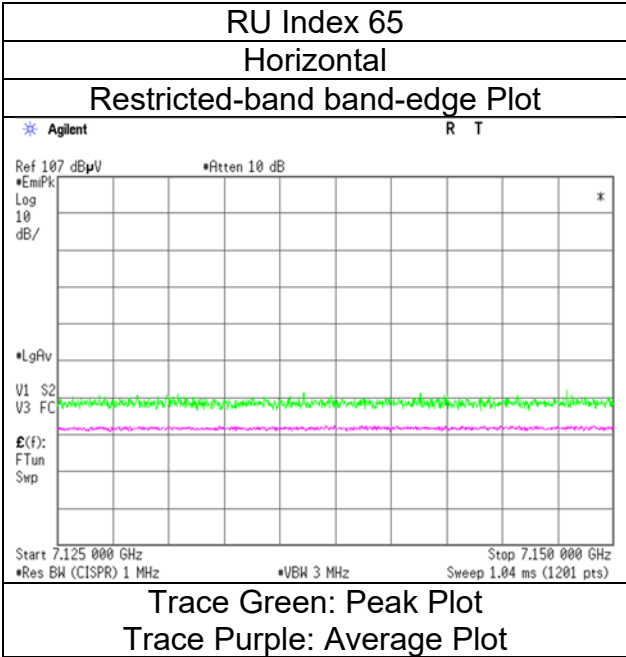
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
January 17, 2024
20 deg. C / 30 % RH
Yohsuke Matsuzawa
Tx 11ax-40 (OFDMA) 484-tone RU, 7085 MHz With 2M-PHY BT LE 2440 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 February 16, 2024
Temperature / Humidity 24 deg. C / 35 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 5985 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	50.10	33.06	17.70	43.38	0.00	2.49	59.97	-35.26	-7.0	28.2	116	32	-
Hori.	5925.000	AV	38.94	33.06	17.70	43.38	0.00	2.49	48.81	-46.42	-27.0	19.4	116	32	-
Vert.	5925.000	PK	49.77	33.06	17.70	43.38	0.00	2.49	59.64	-35.59	-7.0	28.5	158	357	-
Vert.	5925.000	AV	38.29	33.06	17.70	43.38	0.00	2.49	48.16	-47.07	-27.0	20.0	158	357	-

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

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

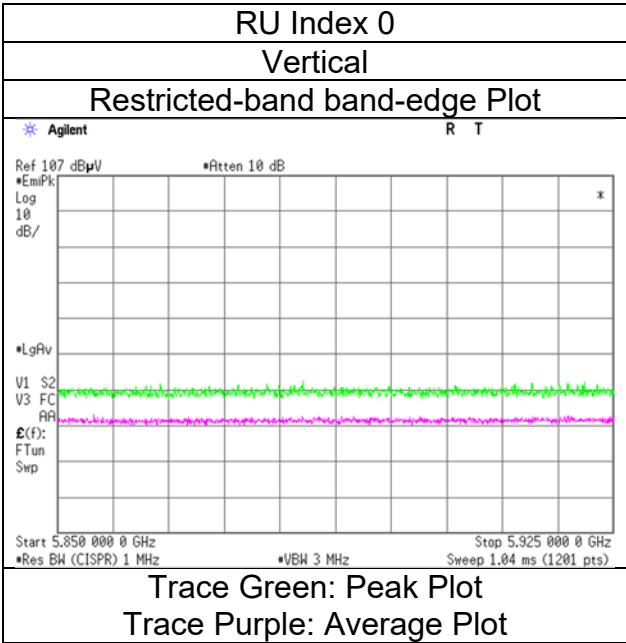
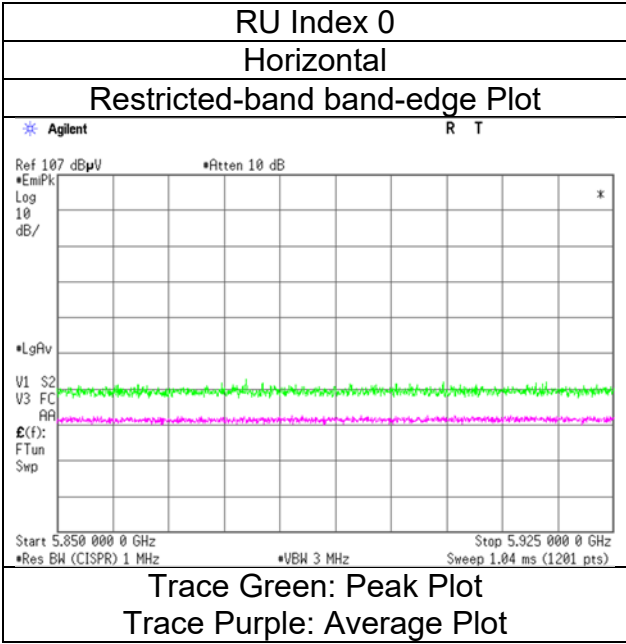
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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
February 16, 2024
24 deg. C / 35 % RH
Takayuki Kobayashi
Tx 11ax-80 (OFDMA) 26-tone RU, 5985 MHz With 2M-PHY BT LE 2440 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 February 16, 2024
Temperature / Humidity 24 deg. C / 35 % RH
Engineer Takayuki Kobayashi
 (1 GHz -8 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 5985 MHz With 2M-PHY BT LE 2440 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]	Duty Factor [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (ERP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5925.000	PK	49.57	33.06	17.70	43.38	0.00	2.49	59.44	-35.79	-7.0	28.7	116	32	-
Hori.	5925.000	AV	39.11	33.06	17.70	43.38	0.00	2.49	48.98	-46.25	-27.0	19.2	116	32	-
Vert.	5925.000	PK	50.43	33.06	17.70	43.38	0.00	2.49	60.30	-34.93	-7.0	27.9	158	358	-
Vert.	5925.000	AV	38.10	33.06	17.70	43.38	0.00	2.49	47.97	-47.26	-27.0	20.2	158	358	-

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

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