

Radiated Spurious Emission

Test place Shonan EMC Lab.
Semi Anechoic Chamber SAC 3
Date December 14, 2023
Temperature / Humidity 25 deg.C, 36 %RH
Engineer Takahiro Suzuki
 (1 GHz - 6.4 GHz)
Mode Tx 11ac-80, 5775 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.63	32.44	17.50	43.44	2.49	58.62	-36.61	-27.0	9.6	183	116	-
Hori.	5700.000	PK	49.75	32.56	17.52	43.43	2.49	58.89	-36.34	10.0	46.3	183	116	-
Hori.	5720.000	PK	50.15	32.61	17.53	43.42	2.49	59.36	-35.87	15.6	51.4	183	116	-
Hori.	5725.000	PK	49.72	32.63	17.53	43.42	2.49	58.95	-36.28	27.0	63.2	183	116	-
Hori.	5850.000	PK	49.24	32.94	17.61	43.39	2.49	58.89	-36.34	27.0	63.3	183	116	-
Hori.	5875.000	PK	50.42	32.98	17.64	43.39	2.49	60.14	-35.09	10.0	45.0	183	116	-
Hori.	5925.000	PK	49.59	33.06	17.66	43.38	2.49	59.42	-35.81	-27.0	8.8	183	116	-
Vert.	5650.000	PK	48.62	32.44	17.50	43.44	2.49	57.61	-37.62	-27.0	10.6	218	102	-
Vert.	5700.000	PK	49.00	32.56	17.52	43.43	2.49	58.14	-37.09	10.0	47.0	218	102	-
Vert.	5720.000	PK	48.33	32.61	17.53	43.42	2.49	57.54	-37.69	15.6	53.2	218	102	-
Vert.	5725.000	PK	48.87	32.63	17.53	43.42	2.49	58.10	-37.13	27.0	64.1	218	102	-
Vert.	5850.000	PK	49.19	32.94	17.61	43.39	2.49	58.84	-36.39	27.0	63.3	218	102	-
Vert.	5855.000	PK	48.43	32.95	17.61	43.39	2.49	58.09	-37.14	15.6	52.7	218	102	-
Vert.	5875.000	PK	48.67	32.98	17.64	43.39	2.49	58.39	-36.84	10.0	46.8	218	102	-
Vert.	5925.000	PK	48.93	33.06	17.66	43.38	2.49	58.76	-36.47	-27.0	9.4	218	102	-

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

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

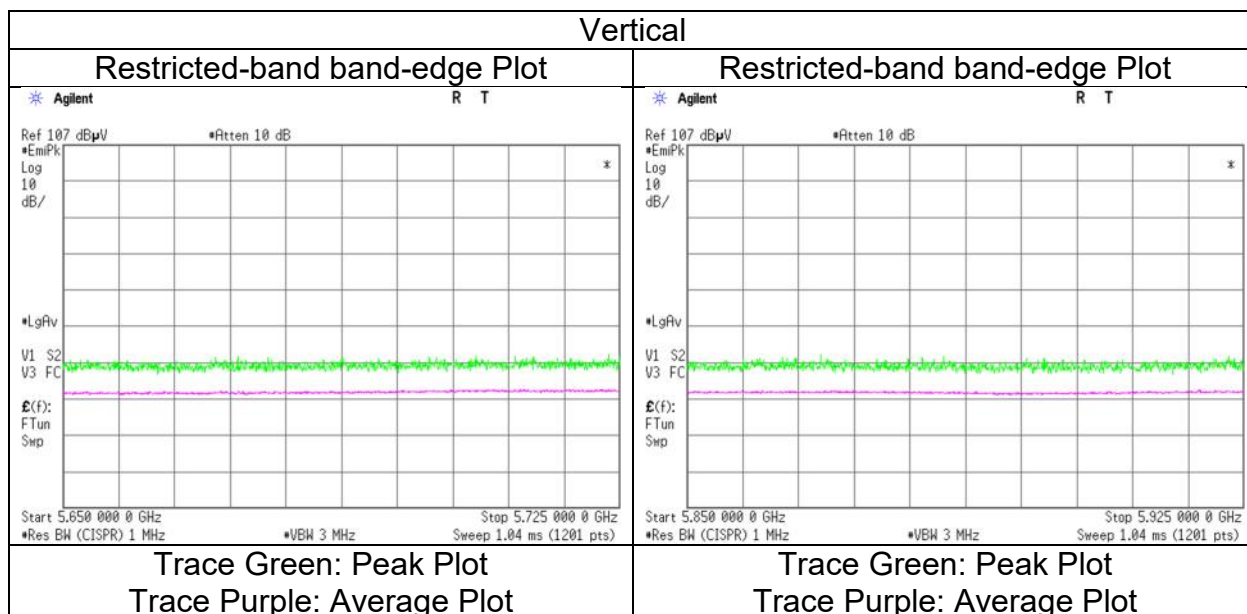
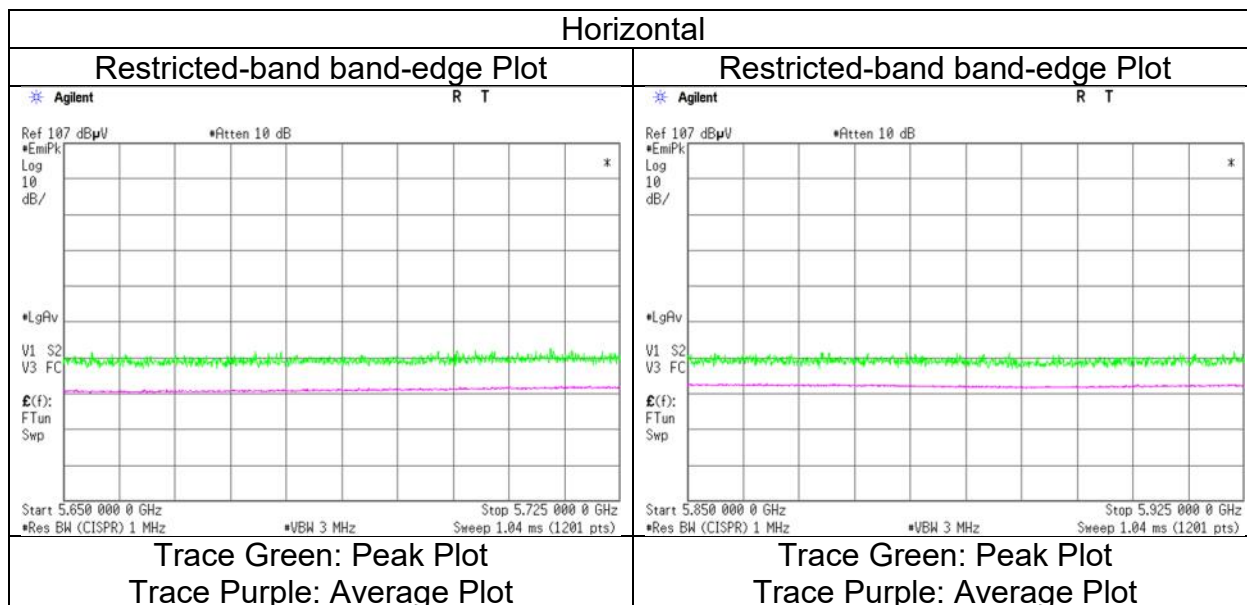
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

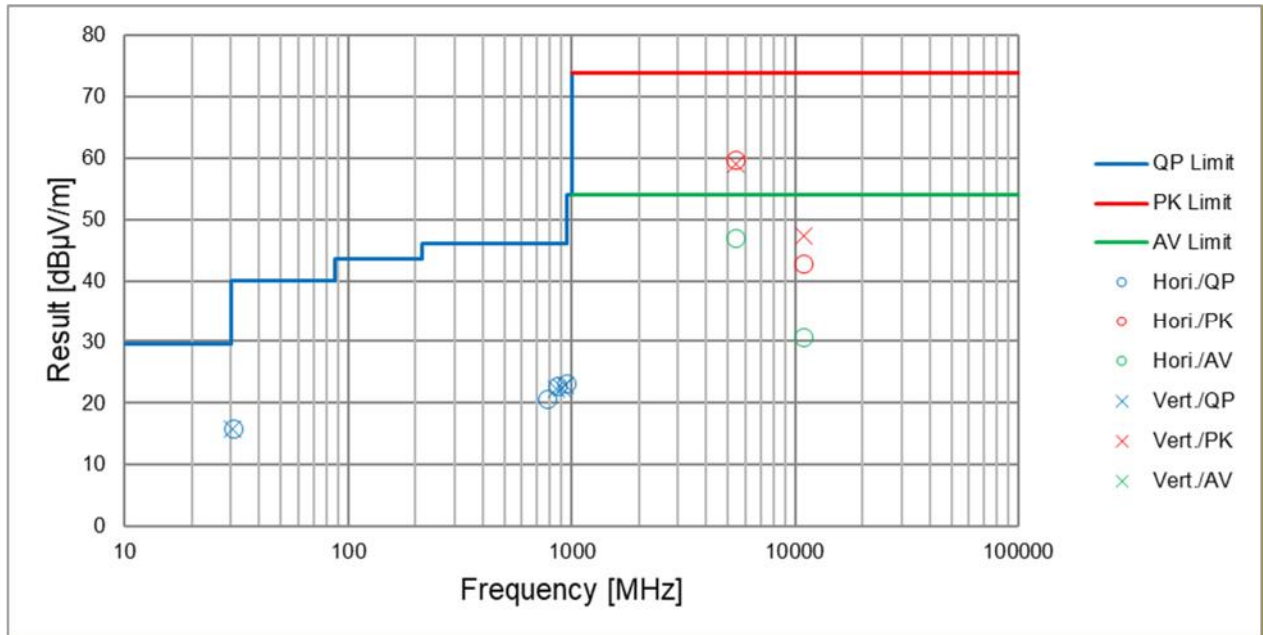
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	December 14, 2023
Temperature / Humidity	25 deg.C, 36 %RH
Engineer	Takahiro Suzuki
Mode	Tx 11ac-80, 5775 MHz With 2M-PHY BT LE 2440 MHz



* 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	SAC 3	SAC 3	SAC 3	SAC 3	SAC 3
Date	January 24, 2024	December 14, 2023	January 23, 2024	January 10, 2024	January 24, 2024
Temperature / Humidity	21 deg.C, 24 %RH	25 deg.C, 36 %RH	23 deg.C, 30 %RH	23 deg.C, 24 %RH	23 deg.C, 31 %RH
Engineer	Yosuke Murakami	Takahiro Suzuki	Kouki Yamada	Takayuki Kobayashi	Takayuki Kobayashi
	(Below 1 GHz)	(1 GHz - 6.4 GHz)	(6.4 GHz - 10 GHz, 18 GHz - 26.5 GHz)	(10 GHz - 18 GHz)	(Above 26.5 GHz)
Mode	Tx 11ax-40 (OFDM), 5510 MHz With 2M-PHY BT LE 2440 MHz				



*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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 26-tone RU, 5180 MHz With 2M-PHY BT LE 2440 MHz

RU Index 0

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.60	32.16	17.18	43.07	2.49	58.36	73.9	15.5	139	135	-
Hori.	5150.000	AV	36.28	32.16	17.18	43.07	2.49	45.04	53.9	8.8	139	135	VBW:10 Hz
Vert.	5150.000	PK	49.36	32.16	17.18	43.07	2.49	58.12	73.9	15.7	235	238	-
Vert.	5150.000	AV	36.21	32.16	17.18	43.07	2.49	44.97	53.9	8.9	235	238	VBW:10 Hz

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

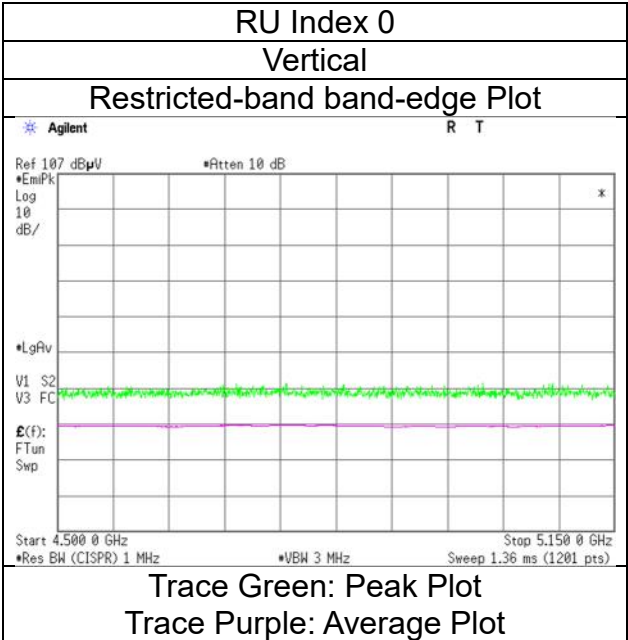
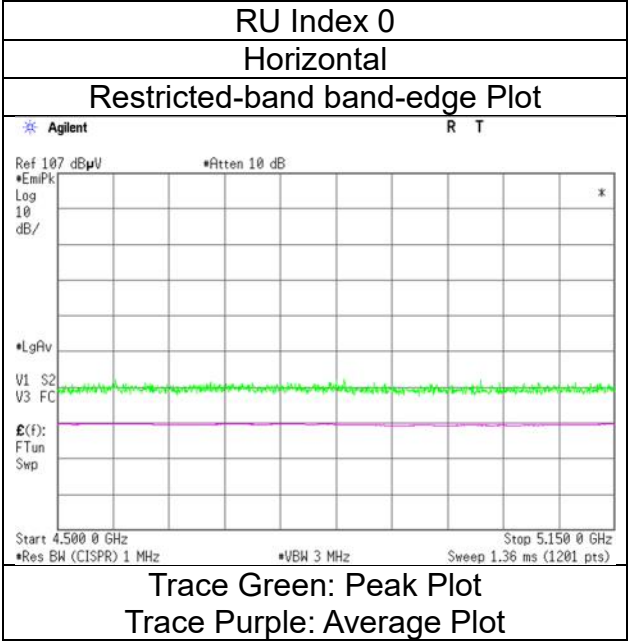
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 26-tone RU, 5180 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 52-tone RU, 5180 MHz With 2M-PHY BT LE 2440 MHz

RU Index 37

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	47.37	32.16	17.18	43.07	2.49	56.13	73.9	17.7	134	137	-
Hori.	5150.000	AV	36.27	32.16	17.18	43.07	2.49	45.03	53.9	8.8	134	137	VBW:10 Hz
Vert.	5150.000	PK	47.95	32.16	17.18	43.07	2.49	56.71	73.9	17.1	189	238	-
Vert.	5150.000	AV	36.25	32.16	17.18	43.07	2.49	45.01	53.9	8.8	189	238	VBW:10 Hz

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

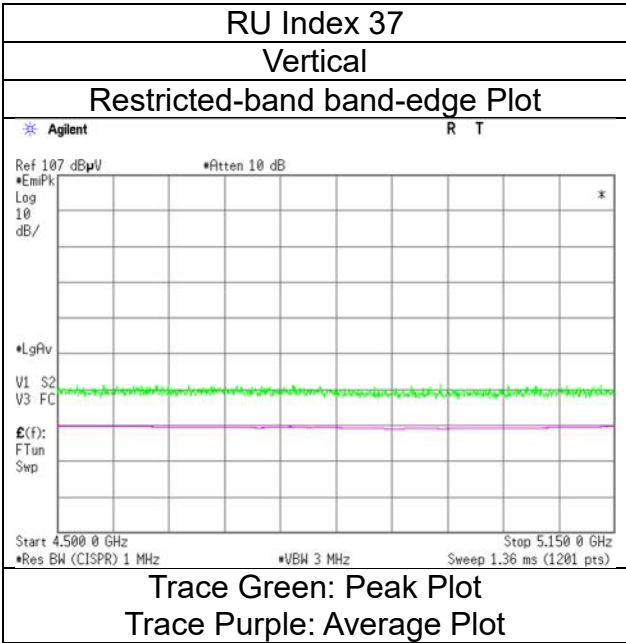
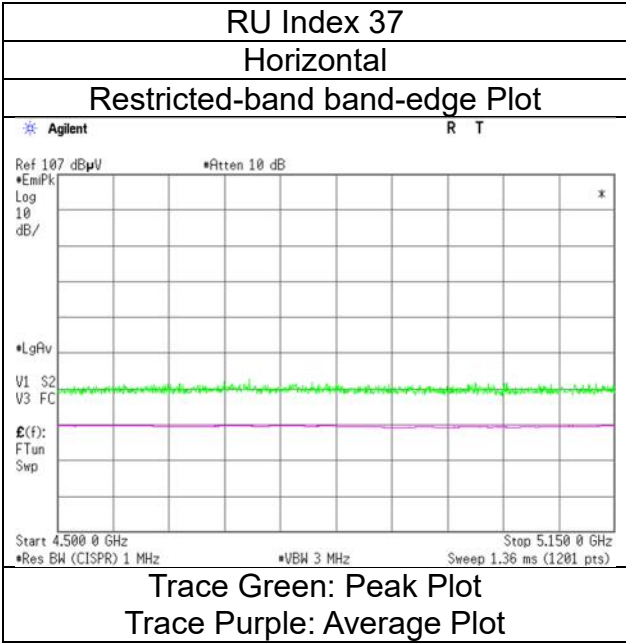
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 52-tone RU, 5180 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 106-tone RU, 5180 MHz With 2M-PHY BT LE 2440 MHz

RU Index 53

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	47.96	32.16	17.18	43.07	2.49	56.72	73.9	17.1	100	0	-
Hori.	5150.000	AV	36.30	32.16	17.18	43.07	2.49	45.06	53.9	8.8	100	0	VBW:10 Hz
Vert.	5150.000	PK	49.04	32.16	17.18	43.07	2.49	57.80	73.9	16.1	236	239	-
Vert.	5150.000	AV	36.31	32.16	17.18	43.07	2.49	45.07	53.9	8.8	236	239	VBW:10 Hz

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

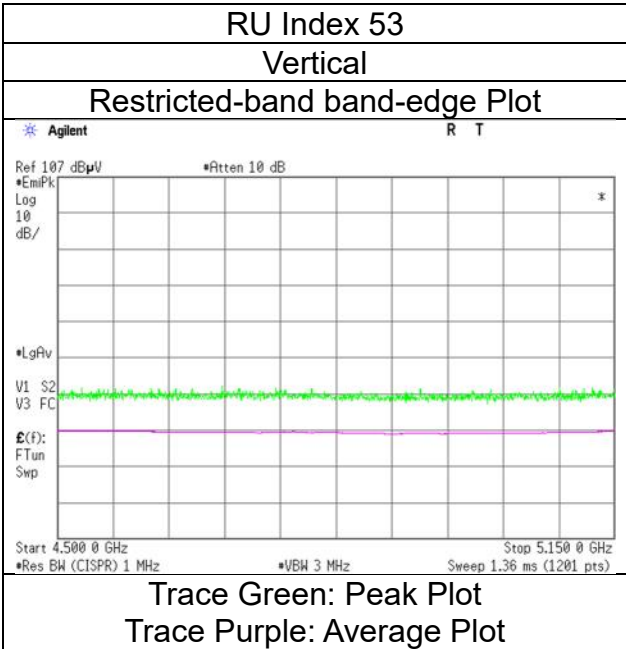
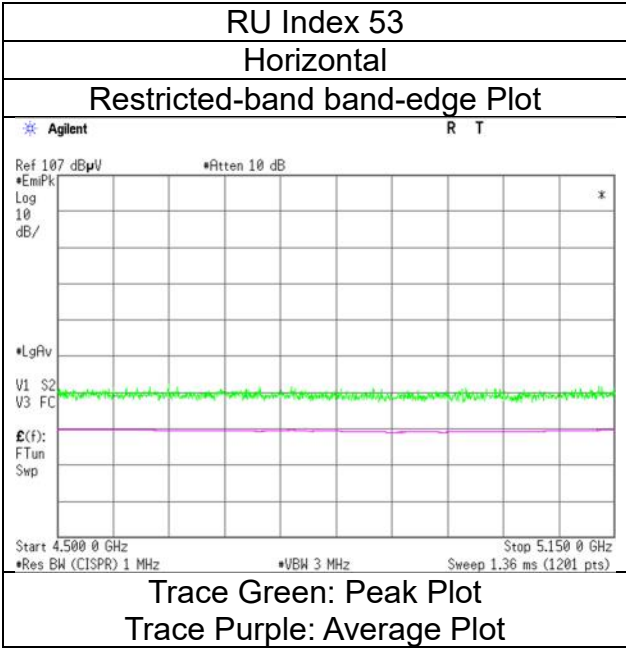
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 106-tone RU, 5180 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 7, 2024
Temperature / Humidity 21 deg. C / 26 % RH
Engineer Yuta Shiba
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 242-tone RU, 5180 MHz With 2M-PHY BT LE 2440 MHz

RU Index 61

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	50.06	32.16	17.18	43.07	2.49	58.82	73.9	15.0	180	117	-
Hori.	5150.000	AV	36.53	32.16	17.18	43.07	2.49	45.29	53.9	8.6	180	117	VBW:10 Hz
Vert.	5150.000	PK	49.14	32.16	17.18	43.07	2.49	57.90	73.9	16.0	218	244	-
Vert.	5150.000	AV	36.39	32.16	17.18	43.07	2.49	45.15	53.9	8.7	218	244	VBW:10 Hz

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

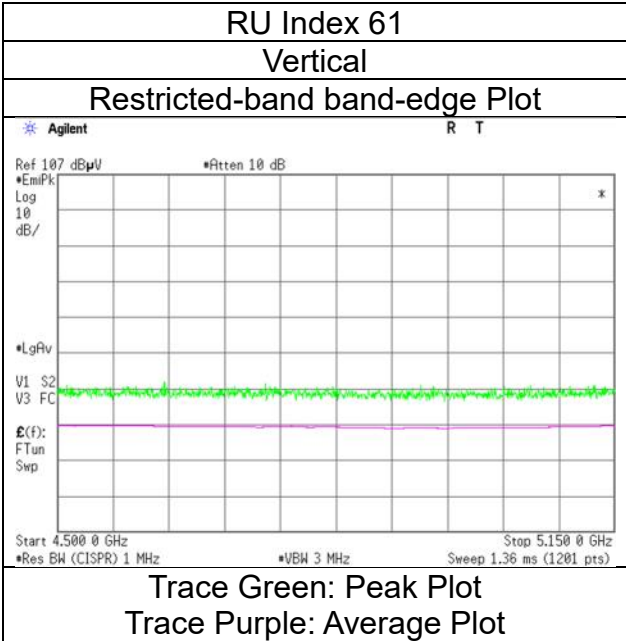
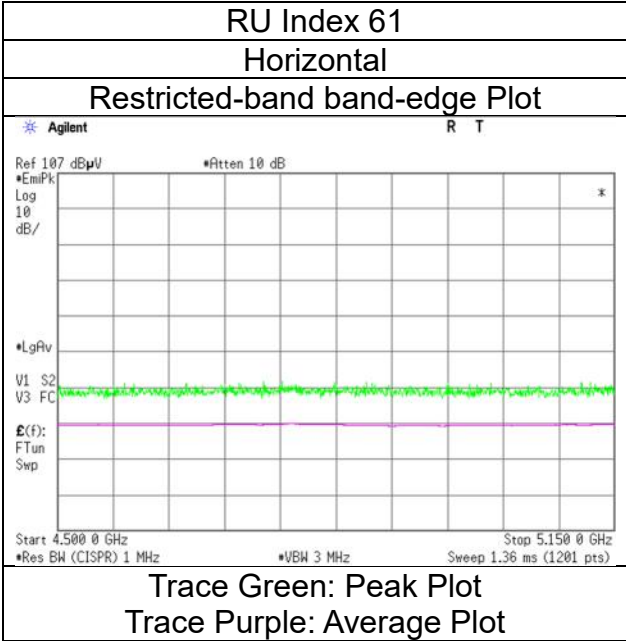
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 7, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Yuta Shiba
Mode	Tx 11ax-20 (OFDMA) 242-tone RU, 5180 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
(1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 26-tone RU, 5320 MHz With 2M-PHY BT LE 2440 MHz

RU Index 8

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	48.30	31.98	17.30	43.30	2.49	56.77	73.9	17.1	133	116	-
Hori.	5350.000	AV	36.68	31.98	17.30	43.30	2.49	45.15	53.9	8.7	133	116	VBW:10 Hz
Vert.	5350.000	PK	48.57	31.98	17.30	43.30	2.49	57.04	73.9	16.8	199	243	-
Vert.	5350.000	AV	36.53	31.98	17.30	43.30	2.49	45.00	53.9	8.9	199	243	VBW:10 Hz

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

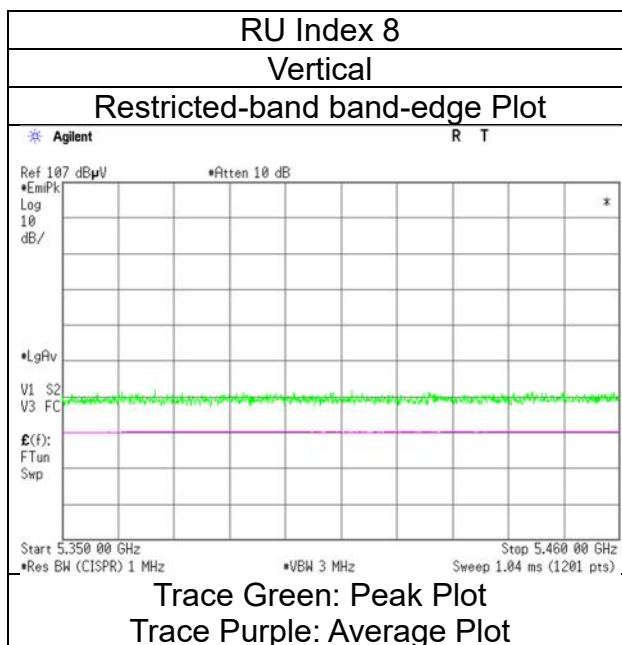
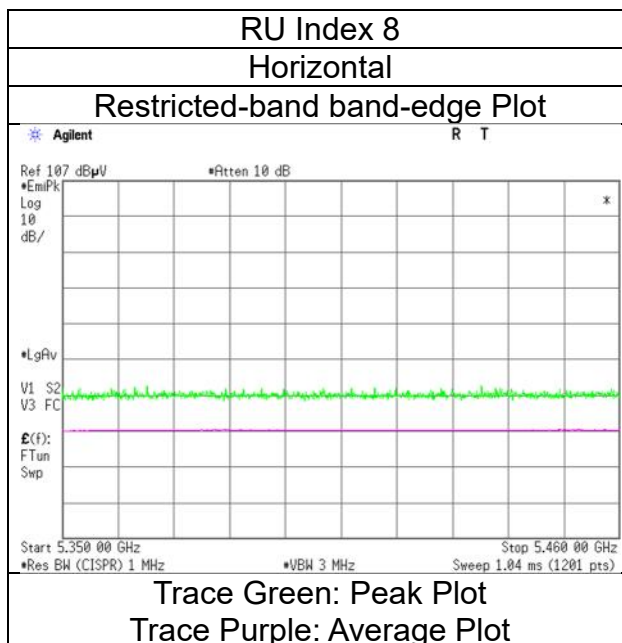
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 26-tone RU, 5320 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
(1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 52-tone RU, 5320 MHz With 2M-PHY BT LE 2440 MHz

RU Index 40

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	49.43	31.98	17.30	43.30	2.49	57.90	73.9	16.0	119	136	-
Hori.	5350.000	AV	36.69	31.98	17.30	43.30	2.49	45.16	53.9	8.7	119	136	VBW:10 Hz
Vert.	5350.000	PK	49.14	31.98	17.30	43.30	2.49	57.61	73.9	16.2	217	236	-
Vert.	5350.000	AV	36.73	31.98	17.30	43.30	2.49	45.20	53.9	8.7	217	236	VBW:10 Hz

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

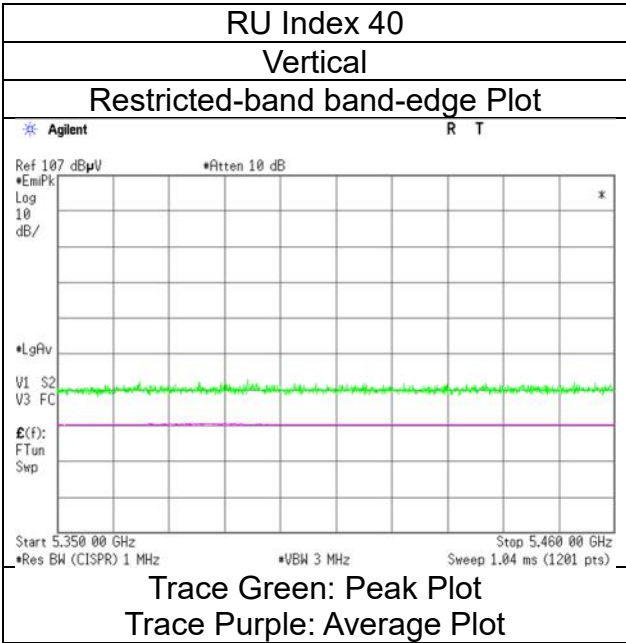
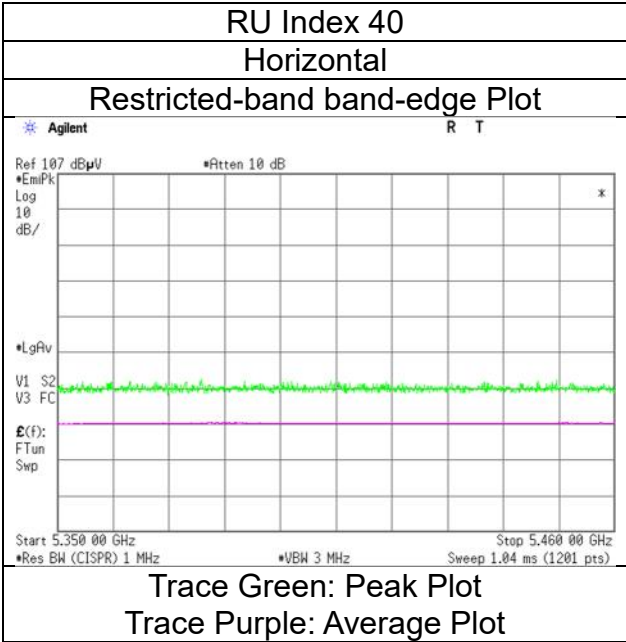
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 52-tone RU, 5320 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
(1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 106-tone RU, 5320 MHz With 2M-PHY BT LE 2440 MHz

RU Index 54

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	48.87	31.98	17.30	43.30	2.49	57.34	73.9	16.5	119	137	-
Hori.	5350.000	AV	36.78	31.98	17.30	43.30	2.49	45.25	53.9	8.6	119	137	VBW:10 Hz
Vert.	5350.000	PK	48.76	31.98	17.30	43.30	2.49	57.23	73.9	16.6	238	233	-
Vert.	5350.000	AV	36.82	31.98	17.30	43.30	2.49	45.29	53.9	8.6	238	233	VBW:10 Hz

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

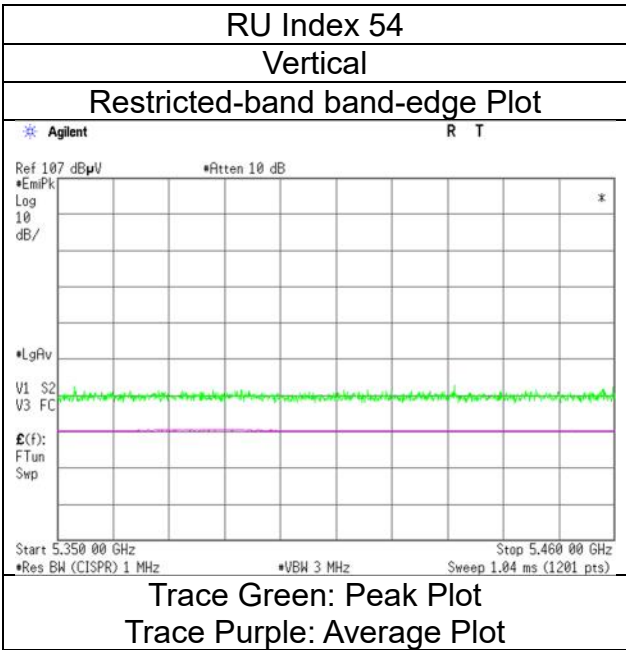
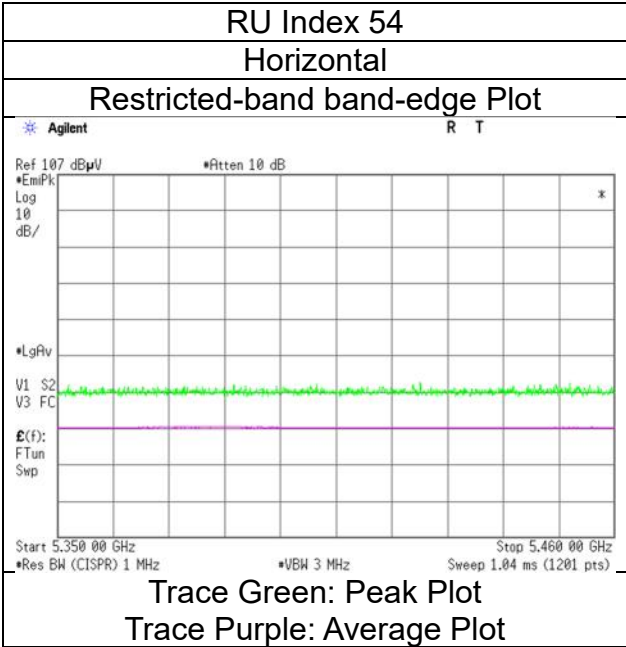
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 106-tone RU, 5320 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 7, 2024
Temperature / Humidity 21 deg. C / 26 % RH
Engineer Yuta Shiba
(1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 242-tone RU, 5320 MHz With 2M-PHY BT LE 2440 MHz

RU Index 61

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	49.46	31.98	17.30	43.30	2.49	57.93	73.9	15.9	176	119	-
Hori.	5350.000	AV	36.86	31.98	17.30	43.30	2.49	45.33	53.9	8.5	176	119	VBW:10 Hz
Vert.	5350.000	PK	49.07	31.98	17.30	43.30	2.49	57.54	73.9	16.3	238	241	-
Vert.	5350.000	AV	37.14	31.98	17.30	43.30	2.49	45.61	53.9	8.2	238	241	VBW:10 Hz

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

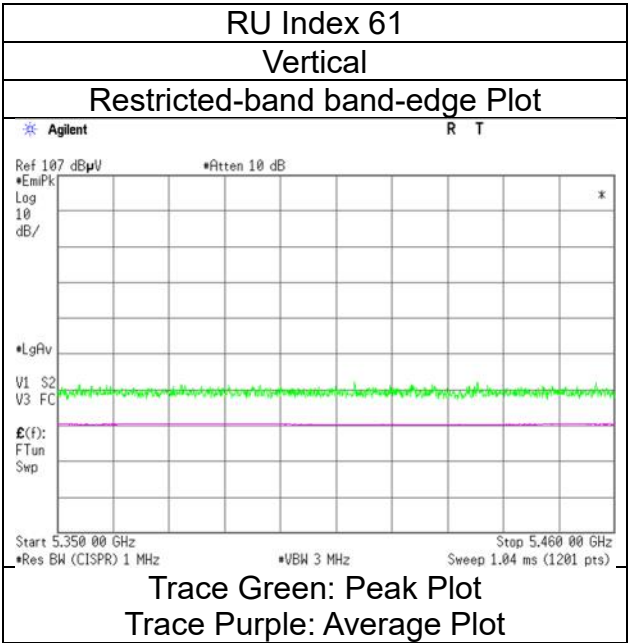
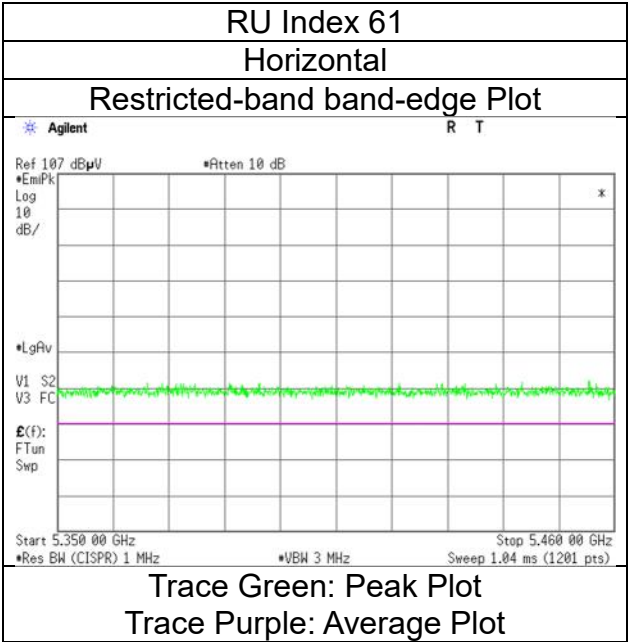
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 7, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Yuta Shiba
Mode	Tx 11ax-20 (OFDMA) 242-tone RU, 5320 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 26-tone RU, 5500 MHz With 2M-PHY BT LE 2440 MHz

RU Index 0

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	48.76	32.24	17.38	43.42	2.49	57.45	73.9	16.4	142	88	-
Hori.	5460.000	AV	36.94	32.24	17.38	43.42	2.49	45.63	53.9	8.2	142	88	VBW:10 Hz
Vert.	5460.000	PK	49.77	32.24	17.38	43.42	2.49	58.46	73.9	15.4	200	242	-
Vert.	5460.000	AV	36.89	32.24	17.38	43.42	2.49	45.58	53.9	8.3	200	242	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	48.13	32.25	17.39	43.44	2.49	56.82	-38.41	-27.0	11.4	142	88	-
Vert.	5470.000	PK	49.55	32.25	17.39	43.44	2.49	58.24	-36.99	-27.0	9.9	200	242	-

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

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

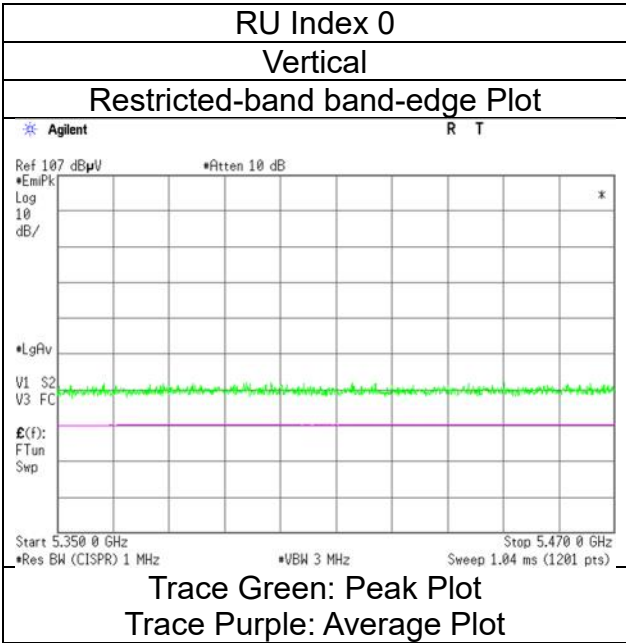
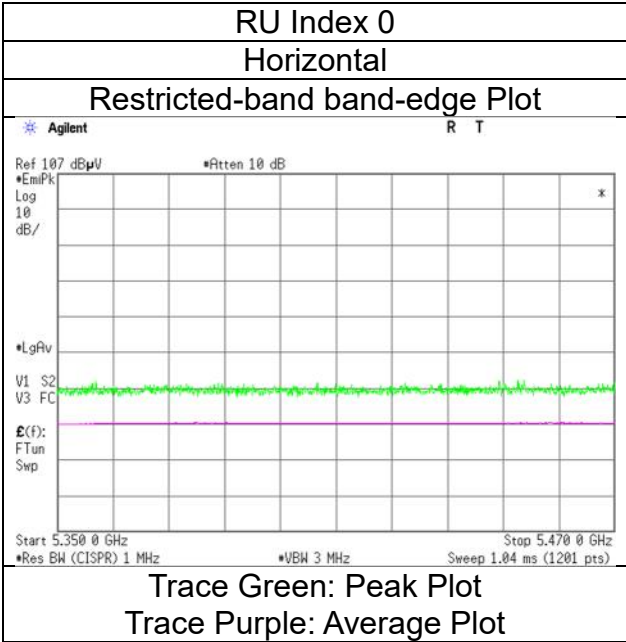
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 26-tone RU, 5500 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 52-tone RU, 5500 MHz With 2M-PHY BT LE 2440 MHz

RU Index 37

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	48.63	32.24	17.38	43.42	2.49	57.32	73.9	16.5	155	116	-
Hori.	5460.000	AV	37.05	32.24	17.38	43.42	2.49	45.74	53.9	8.1	155	116	VBW:10 Hz
Vert.	5460.000	PK	49.20	32.24	17.38	43.42	2.49	57.89	73.9	16.0	220	236	-
Vert.	5460.000	AV	37.00	32.24	17.38	43.42	2.49	45.69	53.9	8.2	220	236	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	48.59	32.25	17.39	43.44	2.49	57.28	-37.95	-27.0	10.9	155	116	-
Vert.	5470.000	PK	48.78	32.25	17.39	43.44	2.49	57.47	-37.76	-27.0	10.7	220	236	-

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

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

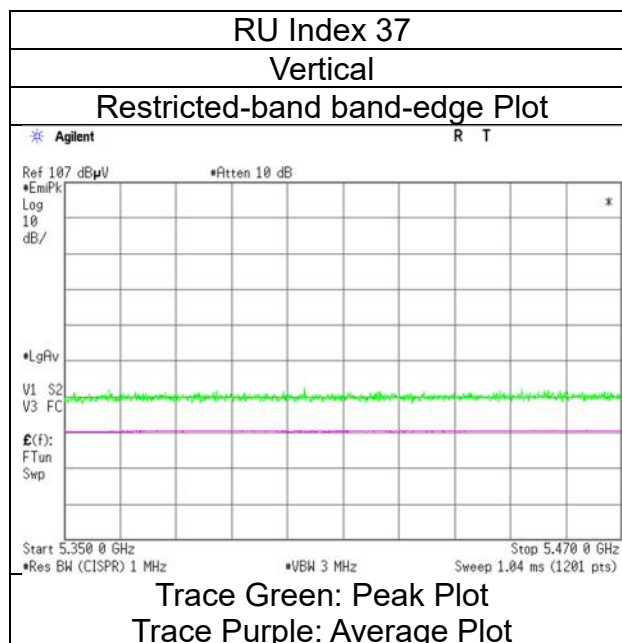
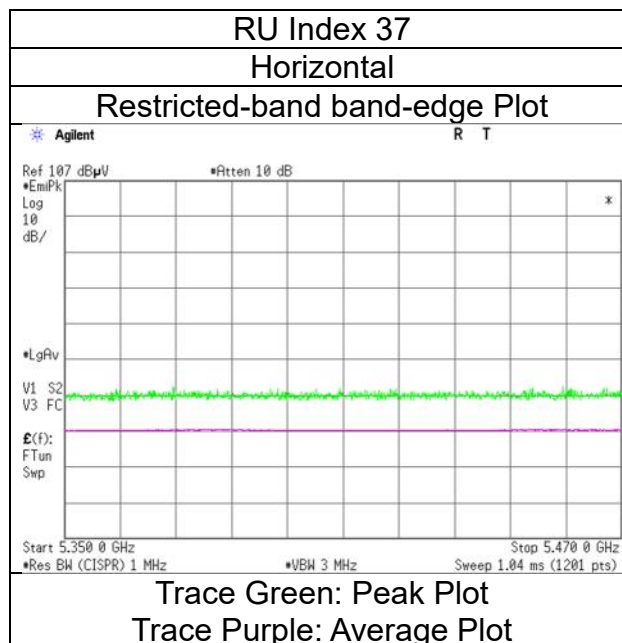
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 52-tone RU, 5500 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 106-tone RU, 5500 MHz With 2M-PHY BT LE 2440 MHz

RU Index 53

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	49.01	32.24	17.38	43.42	2.49	57.70	73.9	16.2	113	133	-
Hori.	5460.000	AV	37.06	32.24	17.38	43.42	2.49	45.75	53.9	8.1	113	133	VBW:10 Hz
Vert.	5460.000	PK	49.70	32.24	17.38	43.42	2.49	58.39	73.9	15.5	236	235	-
Vert.	5460.000	AV	37.10	32.24	17.38	43.42	2.49	45.79	53.9	8.1	236	235	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	48.32	32.25	17.39	43.44	2.49	57.01	-38.22	-27.0	11.2	113	133	-
Vert.	5470.000	PK	48.68	32.25	17.39	43.44	2.49	57.37	-37.86	-27.0	10.8	236	235	-

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

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

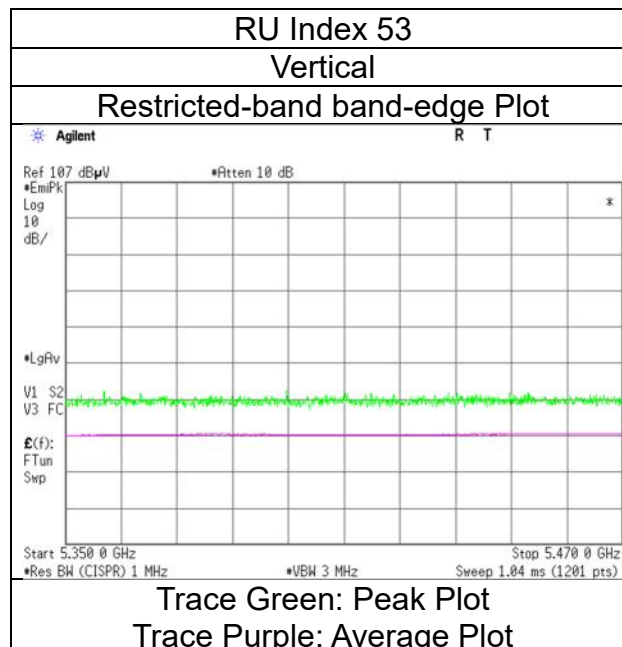
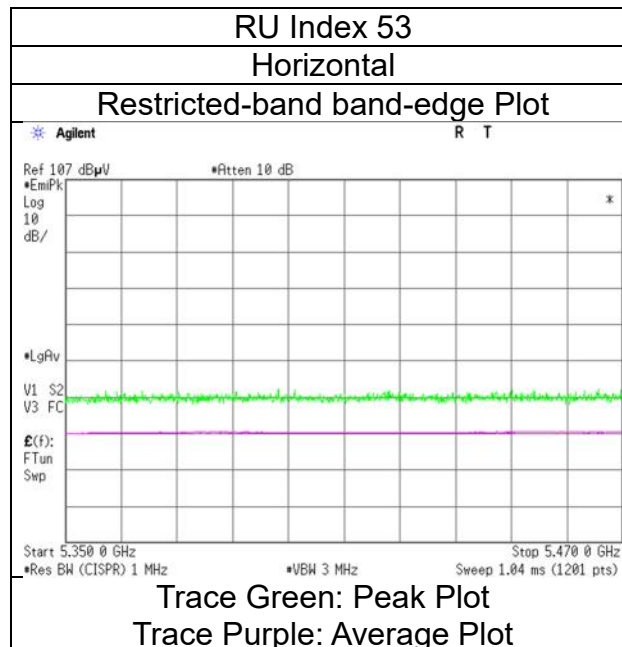
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 106-tone RU, 5500 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 7, 2024
Temperature / Humidity 21 deg. C / 26 % RH
Engineer Yuta Shiba
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 242-tone RU, 5500 MHz With 2M-PHY BT LE 2440 MHz

RU Index 61

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	49.06	32.24	17.38	43.42	2.49	57.75	73.9	16.1	192	91	-
Hori.	5460.000	AV	37.08	32.24	17.38	43.42	2.49	45.77	53.9	8.1	192	91	VBW:10 Hz
Vert.	5460.000	PK	49.74	32.24	17.38	43.42	2.49	58.43	73.9	15.4	243	242	-
Vert.	5460.000	AV	37.32	32.24	17.38	43.42	2.49	46.01	53.9	7.8	243	242	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	49.30	32.25	17.39	43.44	2.49	57.99	-37.24	-27.0	10.2	192	91	-
Vert.	5470.000	PK	50.06	32.25	17.39	43.44	2.49	58.75	-36.48	-27.0	9.4	243	242	-

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

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

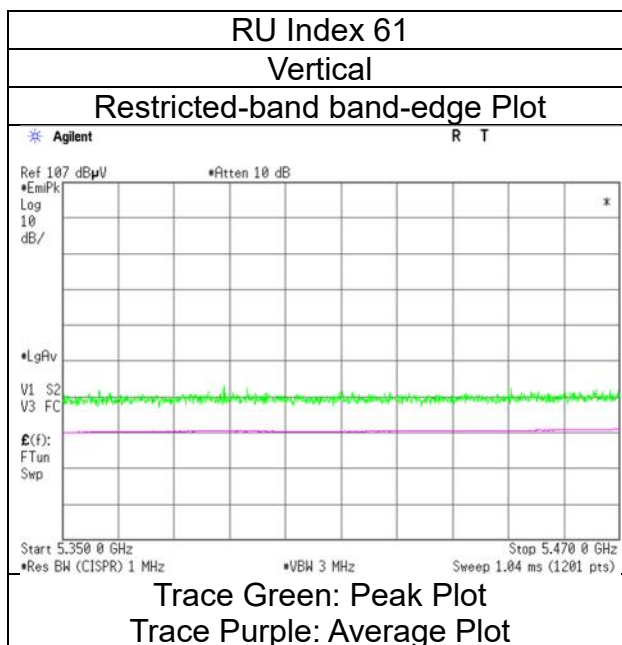
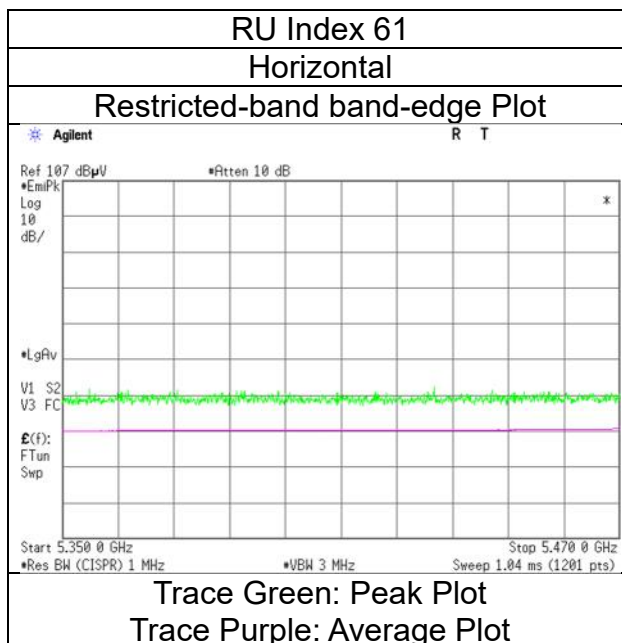
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 7, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Yuta Shiba
Mode	Tx 11ax-20 (OFDMA) 242-tone RU, 5500 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 26-tone RU, 5700 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	47.84	32.63	17.53	43.42	2.49	57.07	-38.16	-27.0	11.1	144	91	-
Vert.	5725.000	PK	48.92	32.63	17.53	43.42	2.49	58.15	-37.08	-27.0	10.0	193	236	-

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

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

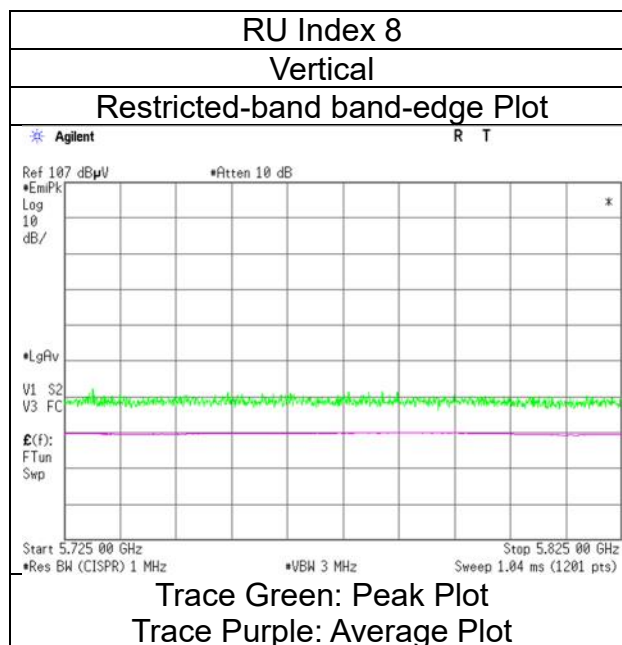
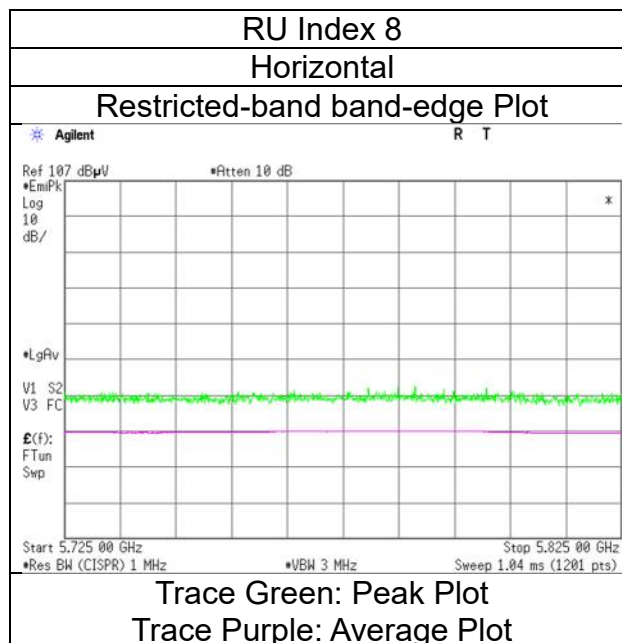
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 26-tone RU, 5700 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 52-tone RU, 5700 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	48.06	32.63	17.53	43.42	2.49	57.29	-37.94	-27.0	10.9	150	90	-
Vert.	5725.000	PK	48.47	32.63	17.53	43.42	2.49	57.70	-37.53	-27.0	10.5	189	236	-

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

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

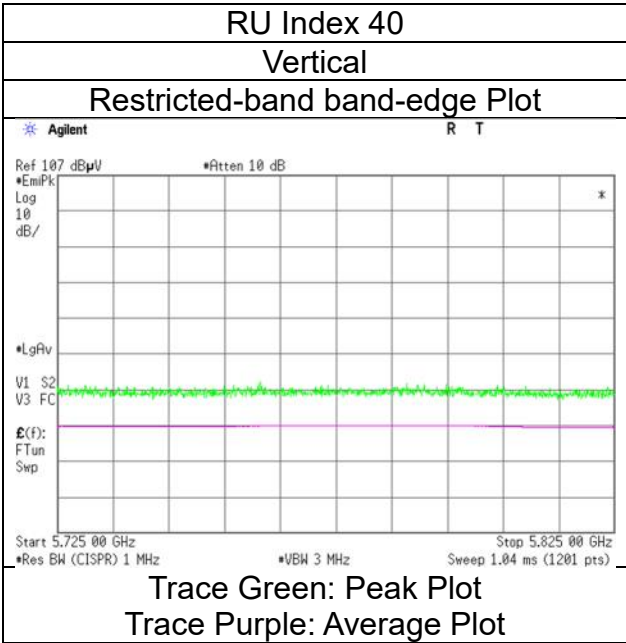
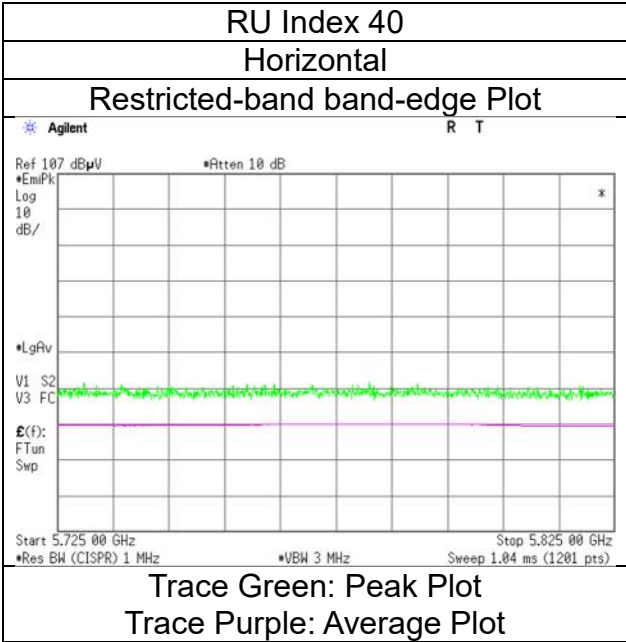
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 52-tone RU, 5700 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
(1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 106-tone RU, 5700 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	47.62	32.63	17.53	43.42	2.49	56.85	-38.38	-27.0	11.3	145	94	-
Vert.	5725.000	PK	47.98	32.63	17.53	43.42	2.49	57.21	-38.02	-27.0	11.0	214	232	-

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

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

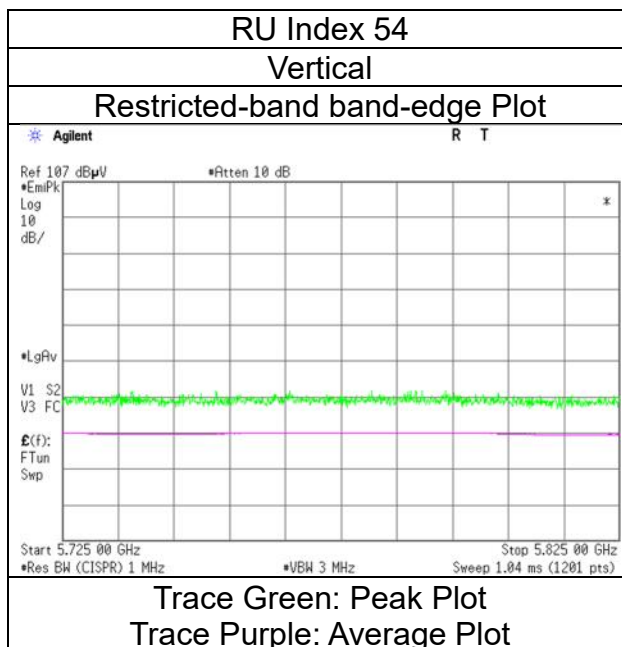
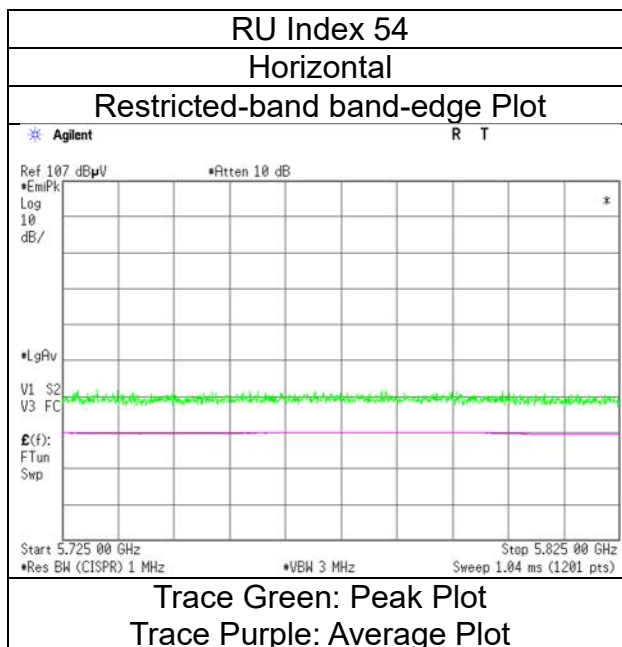
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 106-tone RU, 5700 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 7, 2024
Temperature / Humidity 21 deg. C / 26 % RH
Engineer Yuta Shiba
(1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 242-tone RU, 5700 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	49.40	32.63	17.53	43.42	2.49	58.63	-36.60	-27.0	9.6	144	124	-
Vert.	5725.000	PK	49.52	32.63	17.53	43.42	2.49	58.75	-36.48	-27.0	9.4	228	240	-

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

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

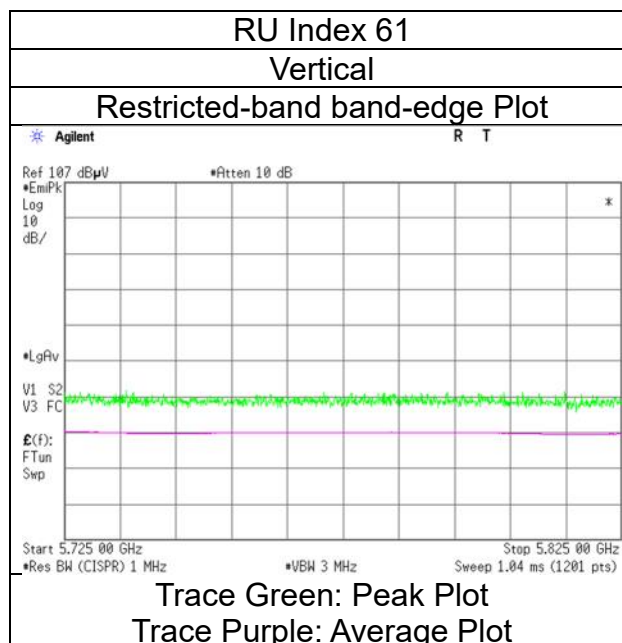
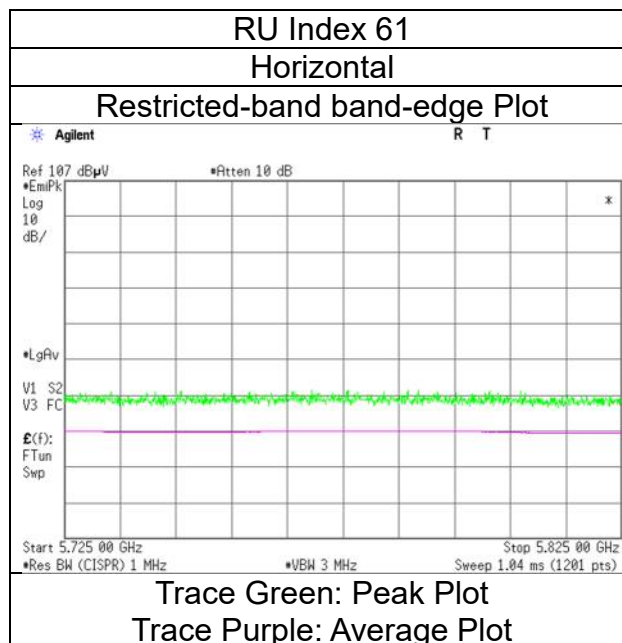
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 7, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Yuta Shiba
Mode	Tx 11ax-20 (OFDMA) 242-tone RU, 5700 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 26-tone RU, 5745 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	48.49	32.44	17.50	43.44	2.49	57.48	-37.75	-27.0	10.7	135	139	-
Hori.	5700.000	PK	48.55	32.56	17.52	43.43	2.49	57.69	-37.54	10.0	47.5	135	139	-
Hori.	5720.000	PK	47.86	32.61	17.53	43.42	2.49	57.07	-38.16	15.6	53.7	135	139	-
Hori.	5725.000	PK	48.12	32.63	17.53	43.42	2.49	57.35	-37.88	27.0	64.8	135	139	-
Vert.	5650.000	PK	48.36	32.44	17.50	43.44	2.49	57.35	-37.88	-27.0	10.8	206	231	-
Vert.	5700.000	PK	48.56	32.56	17.52	43.43	2.49	57.70	-37.53	10.0	47.5	206	231	-
Vert.	5720.000	PK	48.38	32.61	17.53	43.42	2.49	57.59	-37.64	15.6	53.2	206	231	-
Vert.	5725.000	PK	47.95	32.63	17.53	43.42	2.49	57.18	-38.05	27.0	65.0	206	231	-

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

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

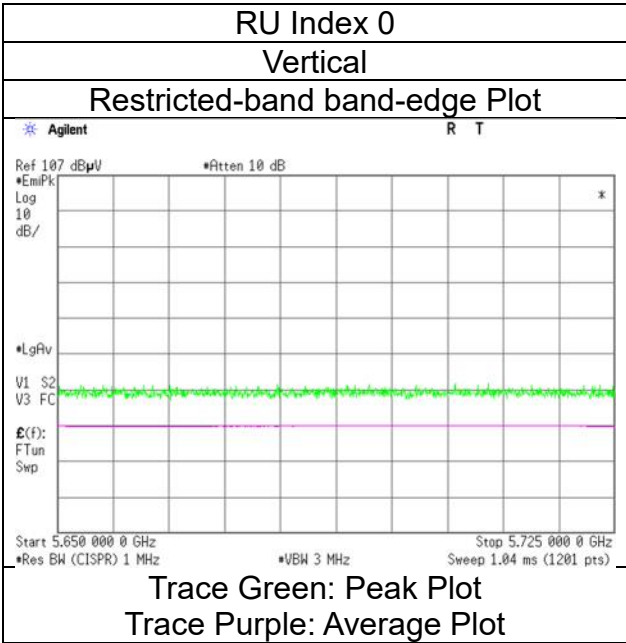
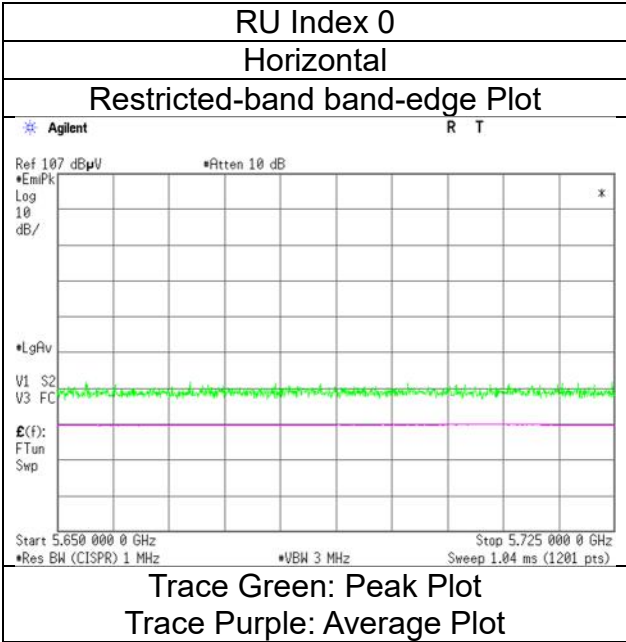
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 26-tone RU, 5745 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 52-tone RU, 5745 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.03	32.44	17.50	43.44	2.49	58.02	-37.21	-27.0	10.2	151	98	-
Hori.	5700.000	PK	47.98	32.56	17.52	43.43	2.49	57.12	-38.11	10.0	48.1	151	98	-
Hori.	5720.000	PK	48.77	32.61	17.53	43.42	2.49	57.98	-37.25	15.6	52.8	151	98	-
Hori.	5725.000	PK	47.97	32.63	17.53	43.42	2.49	57.20	-38.03	27.0	65.0	151	98	-
Vert.	5650.000	PK	48.37	32.44	17.50	43.44	2.49	57.36	-37.87	-27.0	10.8	188	239	-
Vert.	5700.000	PK	47.78	32.56	17.52	43.43	2.49	56.92	-38.31	10.0	48.3	188	239	-
Vert.	5720.000	PK	48.11	32.61	17.53	43.42	2.49	57.32	-37.91	15.6	53.5	188	239	-
Vert.	5725.000	PK	47.66	32.63	17.53	43.42	2.49	56.89	-38.34	27.0	65.3	188	239	-

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

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

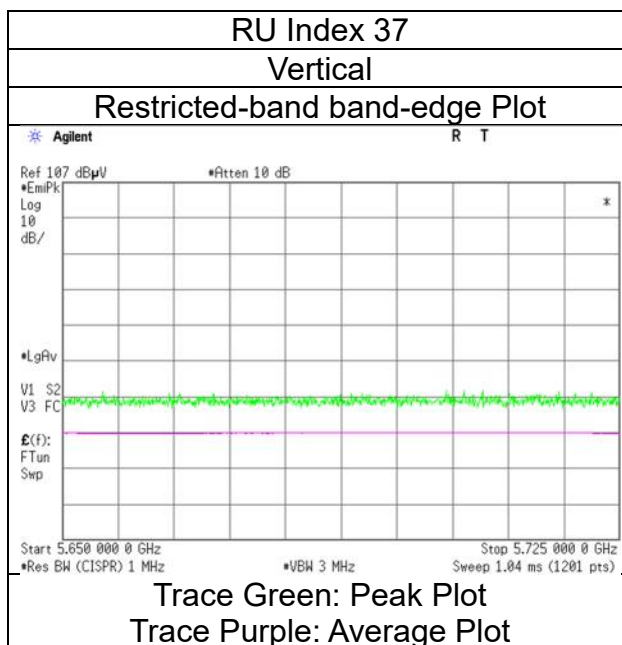
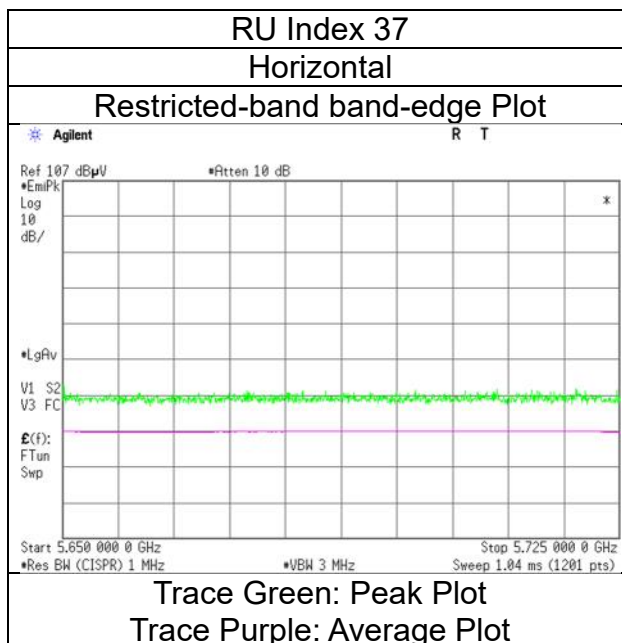
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 52-tone RU, 5745 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 106-tone RU, 5745 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.68	32.44	17.50	43.44	2.49	58.67	-36.56	-27.0	9.5	134	144	-
Hori.	5700.000	PK	48.36	32.56	17.52	43.43	2.49	57.50	-37.73	10.0	47.7	134	144	-
Hori.	5720.000	PK	48.05	32.61	17.53	43.42	2.49	57.26	-37.97	15.6	53.5	134	144	-
Hori.	5725.000	PK	48.27	32.63	17.53	43.42	2.49	57.50	-37.73	27.0	64.7	134	144	-
Vert.	5650.000	PK	48.46	32.44	17.50	43.44	2.49	57.45	-37.78	-27.0	10.7	184	239	-
Vert.	5700.000	PK	48.67	32.56	17.52	43.43	2.49	57.81	-37.42	10.0	47.4	184	239	-
Vert.	5720.000	PK	47.71	32.61	17.53	43.42	2.49	56.92	-38.31	15.6	53.9	184	239	-
Vert.	5725.000	PK	47.71	32.63	17.53	43.42	2.49	56.94	-38.29	27.0	65.2	184	239	-

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

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

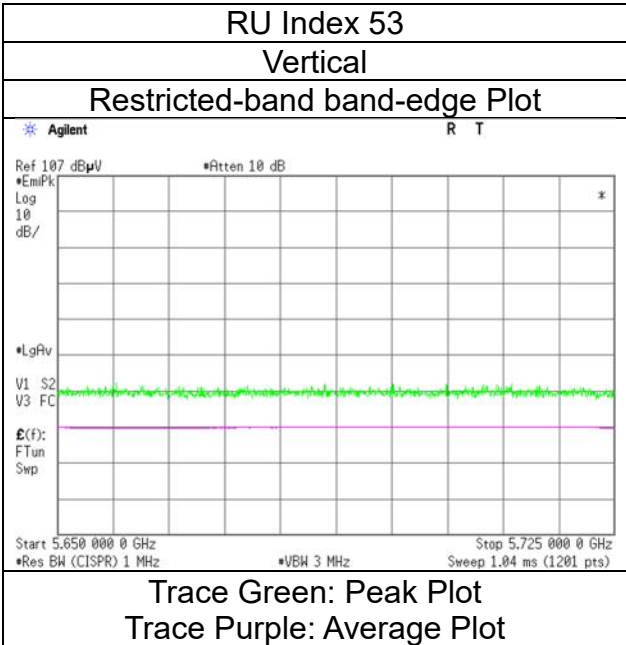
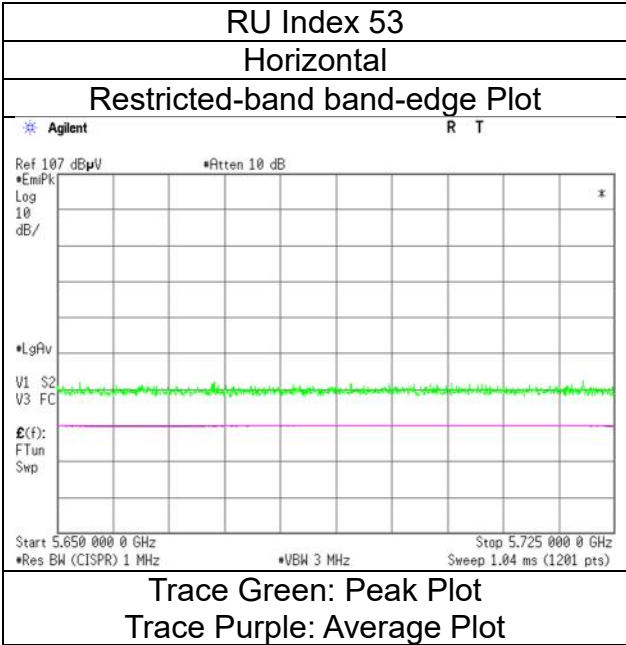
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 106-tone RU, 5745 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 7, 2024
Temperature / Humidity 21 deg. C / 26 % RH
Engineer Yuta Shiba
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 242-tone RU, 5745 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	48.35	32.44	17.50	43.44	2.49	57.34	-37.89	-27.0	10.8	143	122	-
Hori.	5700.000	PK	49.21	32.56	17.52	43.43	2.49	58.35	-36.88	10.0	46.8	143	122	-
Hori.	5720.000	PK	49.10	32.61	17.53	43.42	2.49	58.31	-36.92	15.6	52.5	143	122	-
Hori.	5725.000	PK	49.15	32.63	17.53	43.42	2.49	58.38	-36.85	27.0	63.8	143	122	-
Vert.	5650.000	PK	48.49	32.44	17.50	43.44	2.49	57.48	-37.75	-27.0	10.7	214	237	-
Vert.	5700.000	PK	49.37	32.56	17.52	43.43	2.49	58.51	-36.72	10.0	46.7	214	237	-
Vert.	5720.000	PK	49.52	32.61	17.53	43.42	2.49	58.73	-36.50	15.6	52.1	214	237	-
Vert.	5725.000	PK	49.57	32.63	17.53	43.42	2.49	58.80	-36.43	27.0	63.4	214	237	-

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

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

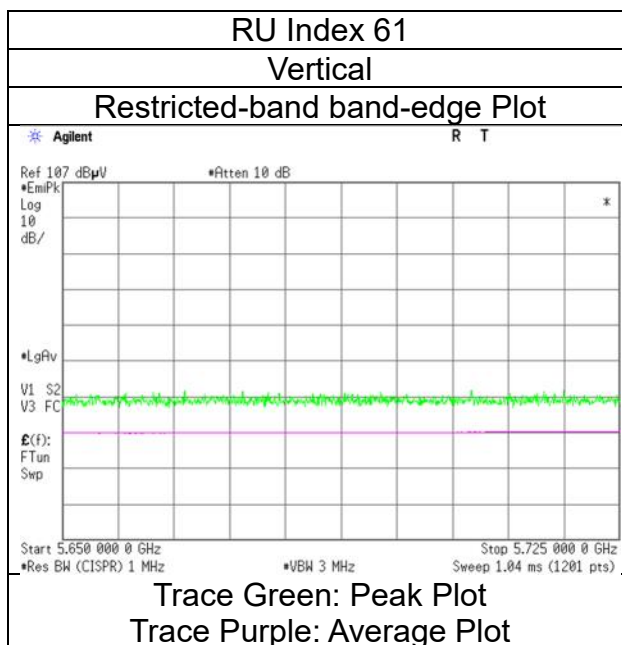
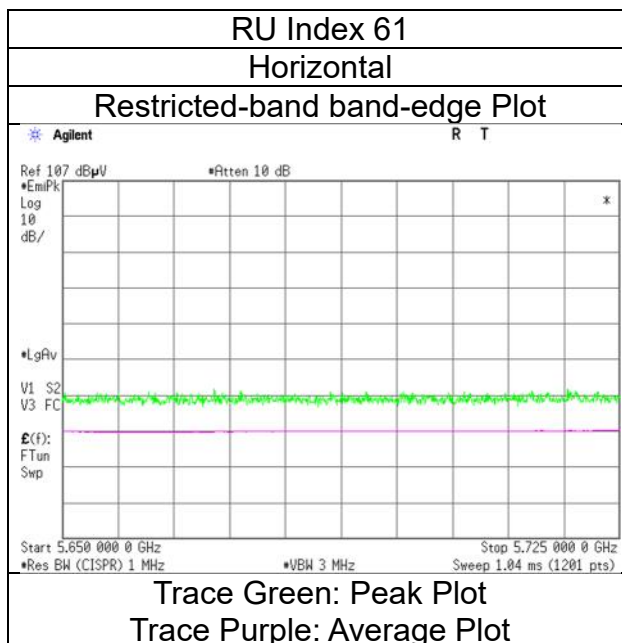
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 7, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Yuta Shiba
Mode	Tx 11ax-20 (OFDMA) 242-tone RU, 5745 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 26-tone RU, 5825 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	48.88	32.94	17.61	43.39	2.49	58.53	-36.70	27.0	63.7	150	95	-
Hori.	5855.000	PK	48.59	32.95	17.61	43.39	2.49	58.25	-36.98	15.6	52.5	150	95	-
Hori.	5875.000	PK	48.27	32.98	17.64	43.39	2.49	57.99	-37.24	10.0	47.2	150	95	-
Hori.	5925.000	PK	48.71	33.06	17.66	43.38	2.49	58.54	-36.69	-27.0	9.6	150	95	-
Vert.	5850.000	PK	48.66	32.94	17.61	43.39	2.49	58.31	-36.92	27.0	63.9	205	237	-
Vert.	5855.000	PK	48.79	32.95	17.61	43.39	2.49	58.45	-36.78	15.6	52.3	205	237	-
Vert.	5875.000	PK	48.71	32.98	17.64	43.39	2.49	58.43	-36.80	10.0	46.8	205	237	-
Vert.	5925.000	PK	48.81	33.06	17.66	43.38	2.49	58.64	-36.59	-27.0	9.5	205	237	-

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

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

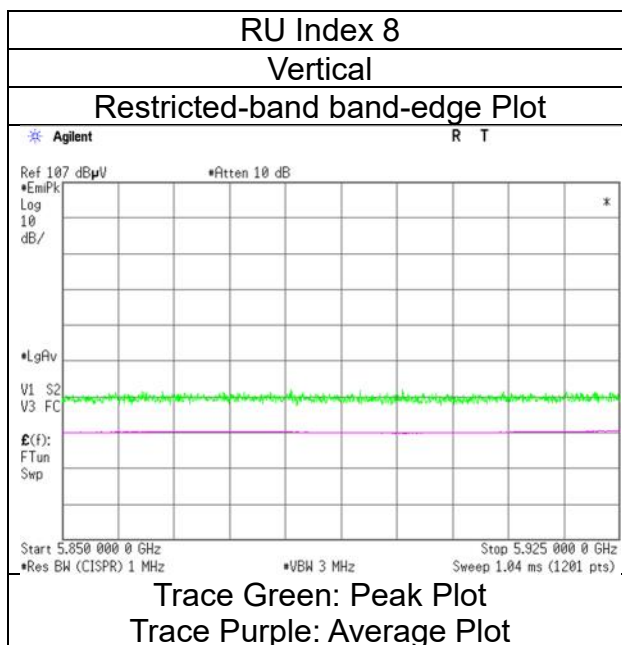
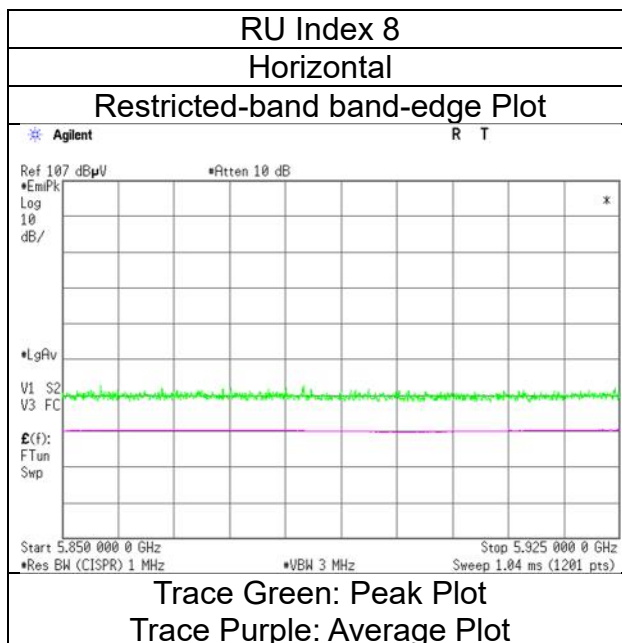
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 26-tone RU, 5825 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 52-tone RU, 5825 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	49.49	32.94	17.61	43.39	2.49	59.14	-36.09	27.0	63.0	140	91	-
Hori.	5855.000	PK	48.12	32.95	17.61	43.39	2.49	57.78	-37.45	15.6	53.0	140	91	-
Hori.	5875.000	PK	49.89	32.98	17.64	43.39	2.49	59.61	-35.62	10.0	45.6	140	91	-
Hori.	5925.000	PK	48.99	33.06	17.66	43.38	2.49	58.82	-36.41	-27.0	9.4	140	91	-
Vert.	5850.000	PK	48.44	32.94	17.61	43.39	2.49	58.09	-37.14	27.0	64.1	217	223	-
Vert.	5855.000	PK	47.78	32.95	17.61	43.39	2.49	57.44	-37.79	15.6	53.3	217	223	-
Vert.	5875.000	PK	48.35	32.98	17.64	43.39	2.49	58.07	-37.16	10.0	47.1	217	223	-
Vert.	5925.000	PK	48.56	33.06	17.66	43.38	2.49	58.39	-36.84	-27.0	9.8	217	223	-

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

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

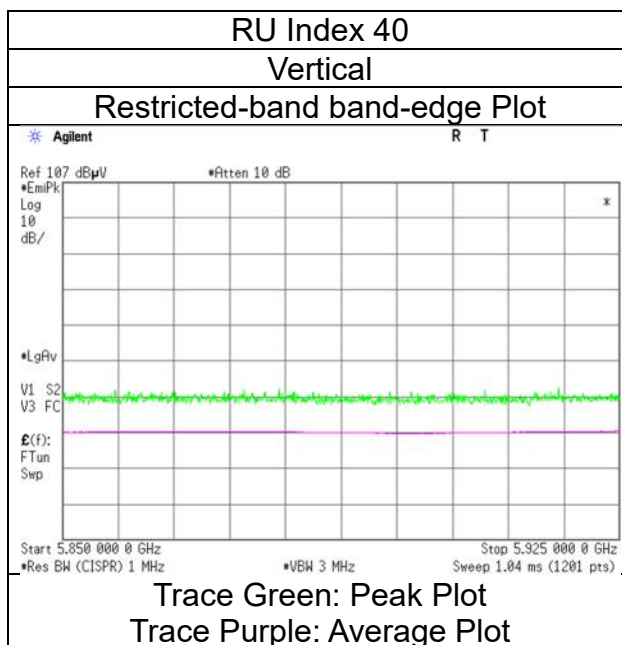
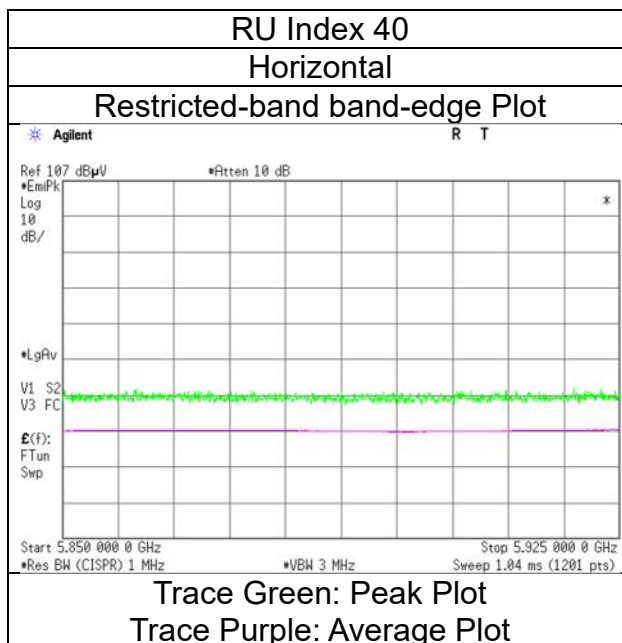
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 52-tone RU, 5825 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 6, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 106-tone RU, 5825 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	48.62	32.94	17.61	43.39	2.49	58.27	-36.96	27.0	63.9	122	148	-
Hori.	5855.000	PK	48.60	32.95	17.61	43.39	2.49	58.26	-36.97	15.6	52.5	122	148	-
Hori.	5875.000	PK	48.13	32.98	17.64	43.39	2.49	57.85	-37.38	10.0	47.3	122	148	-
Hori.	5925.000	PK	48.36	33.06	17.66	43.38	2.49	58.19	-37.04	-27.0	10.0	122	148	-
Vert.	5850.000	PK	49.01	32.94	17.61	43.39	2.49	58.66	-36.57	27.0	63.5	210	232	-
Vert.	5855.000	PK	48.24	32.95	17.61	43.39	2.49	57.90	-37.33	15.6	52.9	210	232	-
Vert.	5875.000	PK	48.85	32.98	17.64	43.39	2.49	58.57	-36.66	10.0	46.6	210	232	-
Vert.	5925.000	PK	48.52	33.06	17.66	43.38	2.49	58.35	-36.88	-27.0	9.8	210	232	-

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

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

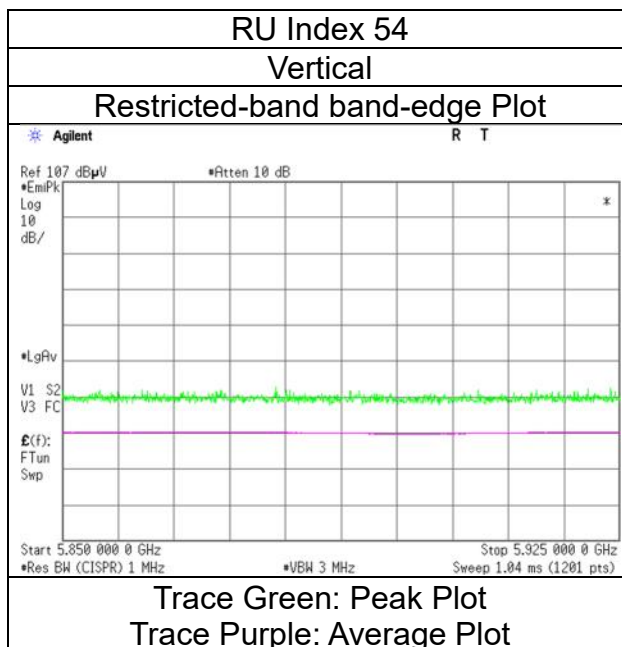
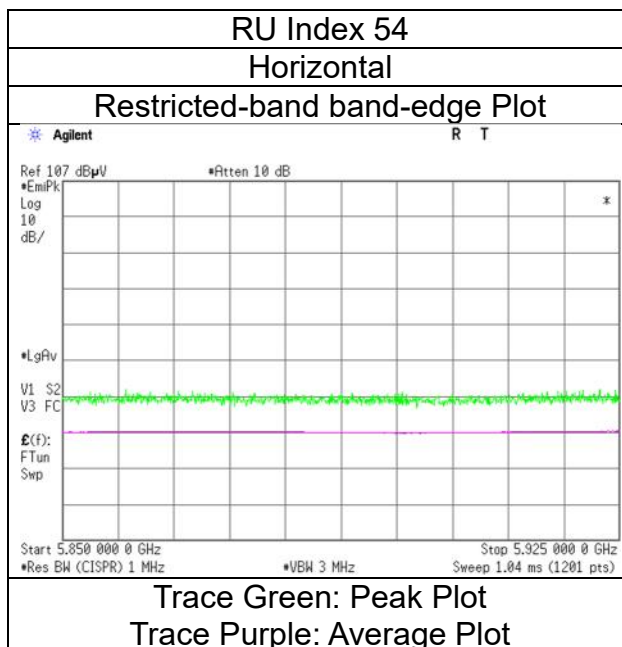
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 6, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-20 (OFDMA) 106-tone RU, 5825 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 7, 2024
Temperature / Humidity 21 deg. C / 26 % RH
Engineer Yuta Shiba
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 242-tone RU, 5825 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	49.35	32.94	17.61	43.39	2.49	59.00	-36.23	27.0	63.2	182	123	-
Hori.	5855.000	PK	49.51	32.95	17.61	43.39	2.49	59.17	-36.06	15.6	51.6	182	123	-
Hori.	5875.000	PK	49.05	32.98	17.64	43.39	2.49	58.77	-36.46	10.0	46.4	182	123	-
Hori.	5925.000	PK	49.12	33.06	17.66	43.38	2.49	58.95	-36.28	-27.0	9.2	182	123	-
Vert.	5850.000	PK	49.62	32.94	17.61	43.39	2.49	59.27	-35.96	27.0	62.9	215	218	-
Vert.	5855.000	PK	49.48	32.95	17.61	43.39	2.49	59.14	-36.09	15.6	51.6	215	218	-
Vert.	5875.000	PK	49.44	32.98	17.64	43.39	2.49	59.16	-36.07	10.0	46.0	215	218	-
Vert.	5925.000	PK	49.06	33.06	17.66	43.38	2.49	58.89	-36.34	-27.0	9.3	215	218	-

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

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

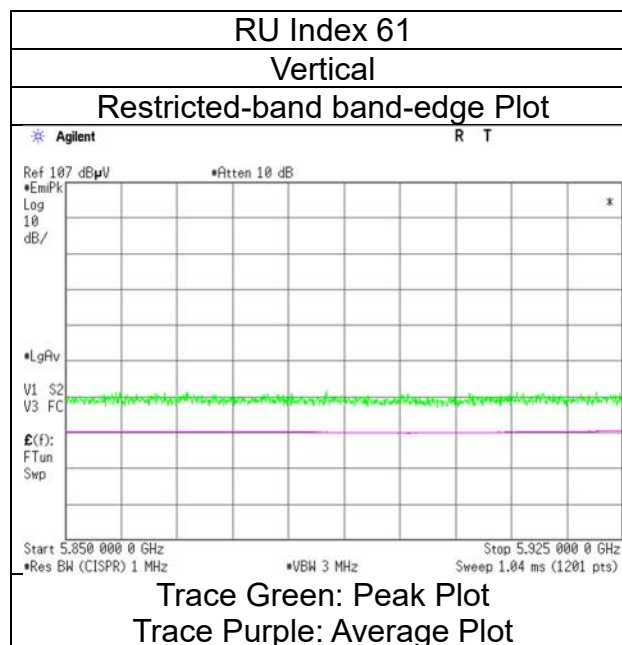
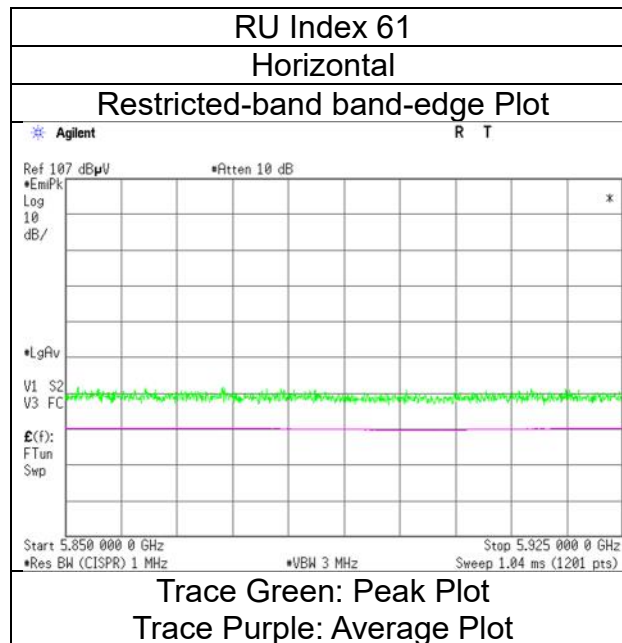
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 7, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Yuta Shiba
Mode	Tx 11ax-20 (OFDMA) 242-tone RU, 5825 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 7, 2024
Temperature / Humidity 21 deg. C / 26 % RH
Engineer Yuta Shiba
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 26-tone RU, 5190 MHz With 2M-PHY BT LE 2440 MHz

RU Index 0

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.07	32.16	17.18	43.07	2.49	57.83	73.9	16.0	193	113	-
Hori.	5150.000	AV	36.23	32.16	17.18	43.07	2.49	44.99	53.9	8.9	193	113	VBW:10 Hz
Vert.	5150.000	PK	49.54	32.16	17.18	43.07	2.49	58.30	73.9	15.6	240	244	-
Vert.	5150.000	AV	36.28	32.16	17.18	43.07	2.49	45.04	53.9	8.8	240	244	VBW:10 Hz

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

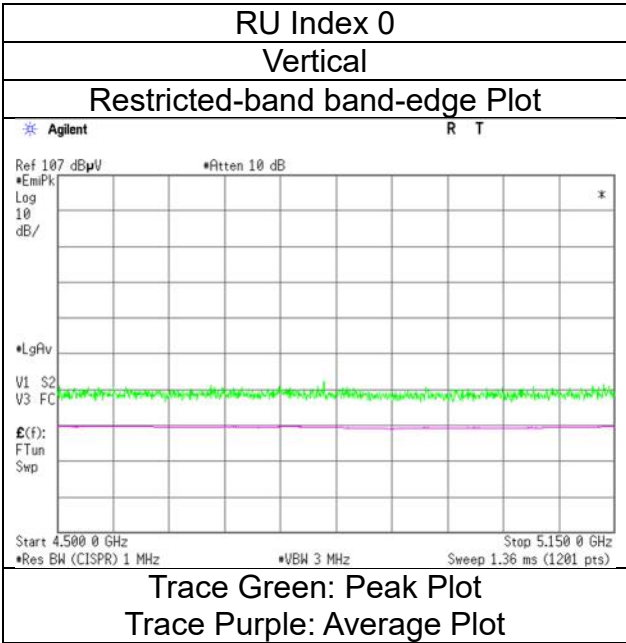
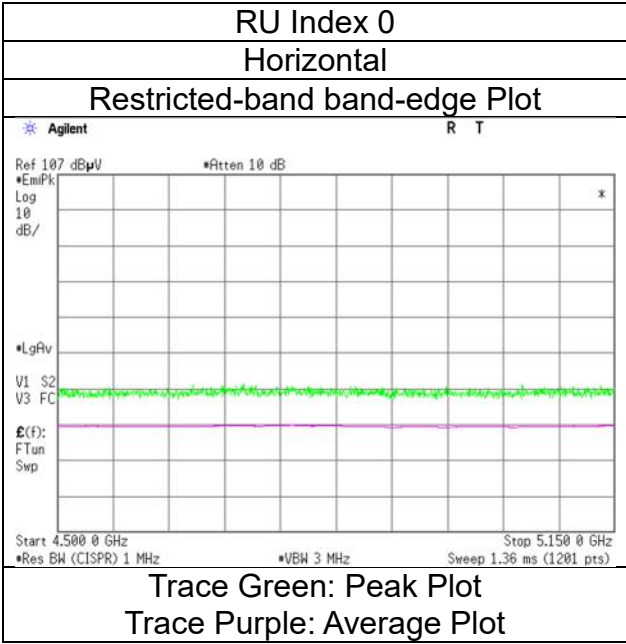
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 7, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Yuta Shiba
Mode	Tx 11ax-40 (OFDMA) 26-tone RU, 5190 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-20 (OFDMA) 52-tone RU, 5190 MHz With 2M-PHY BT LE 2440 MHz

RU Index 37

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	48.24	32.16	17.18	43.07	2.49	57.00	73.9	16.9	227	119	-
Hori.	5150.000	AV	36.74	32.16	17.18	43.07	2.49	45.50	53.9	8.4	227	119	VBW:10 Hz
Vert.	5150.000	PK	47.90	32.16	17.18	43.07	2.49	56.66	73.9	17.2	237	142	-
Vert.	5150.000	AV	36.63	32.16	17.18	43.07	2.49	45.39	53.9	8.5	237	142	VBW:10 Hz

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

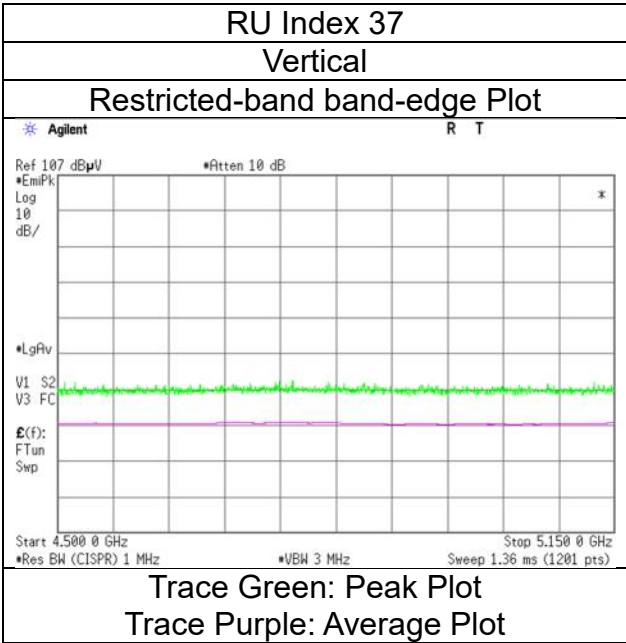
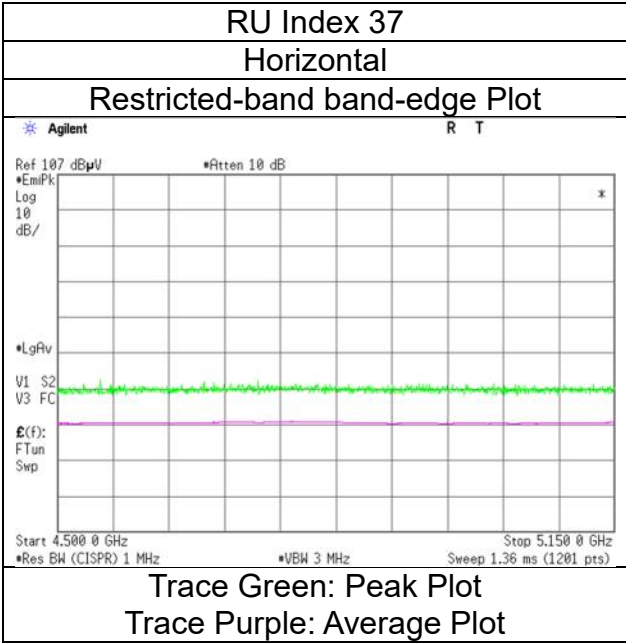
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 52-tone RU, 5190 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 106 -tone RU, 5190 MHz With 2M-PHY BT LE 2440 MHz

RU Index 53

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	48.52	32.16	17.18	43.07	2.49	57.28	73.9	16.6	229	118	-
Hori.	5150.000	AV	36.64	32.16	17.18	43.07	2.49	45.40	53.9	8.5	229	118	VBW:10 Hz
Vert.	5150.000	PK	48.39	32.16	17.18	43.07	2.49	57.15	73.9	16.7	238	141	-
Vert.	5150.000	AV	36.53	32.16	17.18	43.07	2.49	45.29	53.9	8.6	238	141	VBW:10 Hz

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

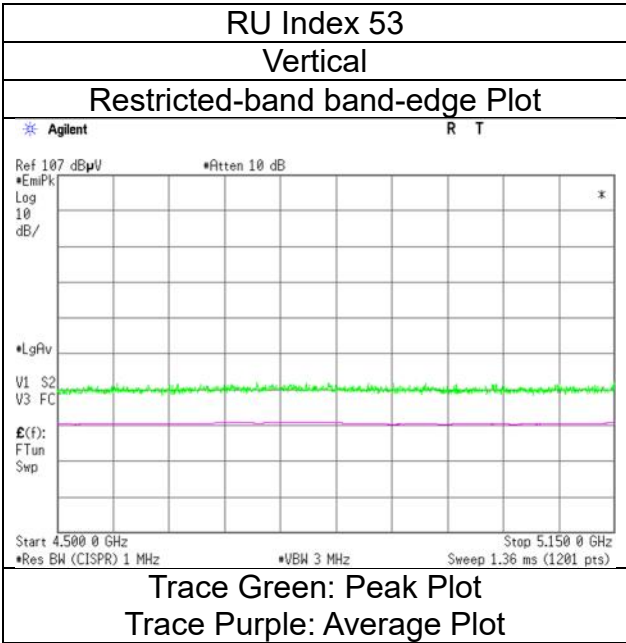
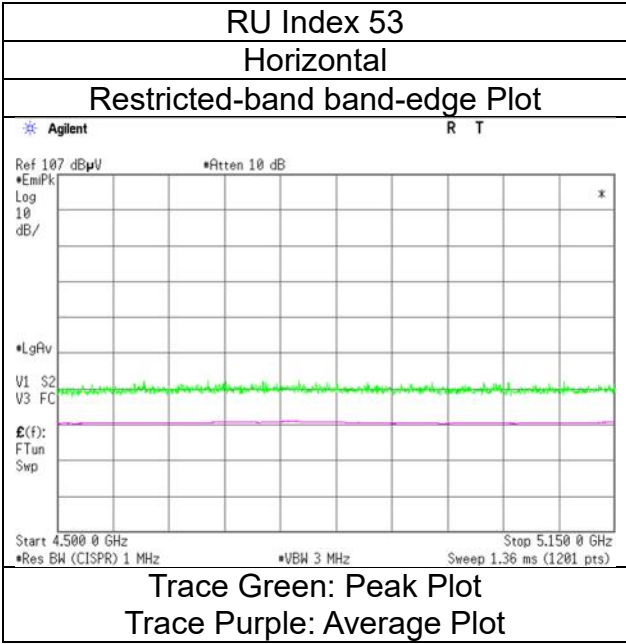
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 106 -tone RU, 5190 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 242-tone RU, 5190 MHz With 2M-PHY BT LE 2440 MHz

RU Index 61

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	48.49	32.16	17.18	43.07	2.49	57.25	73.9	16.6	232	122	-
Hori.	5150.000	AV	36.76	32.16	17.18	43.07	2.49	45.52	53.9	8.3	232	122	VBW:10 Hz
Vert.	5150.000	PK	48.42	32.16	17.18	43.07	2.49	57.18	73.9	16.7	237	136	-
Vert.	5150.000	AV	36.55	32.16	17.18	43.07	2.49	45.31	53.9	8.5	237	136	VBW:10 Hz

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

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

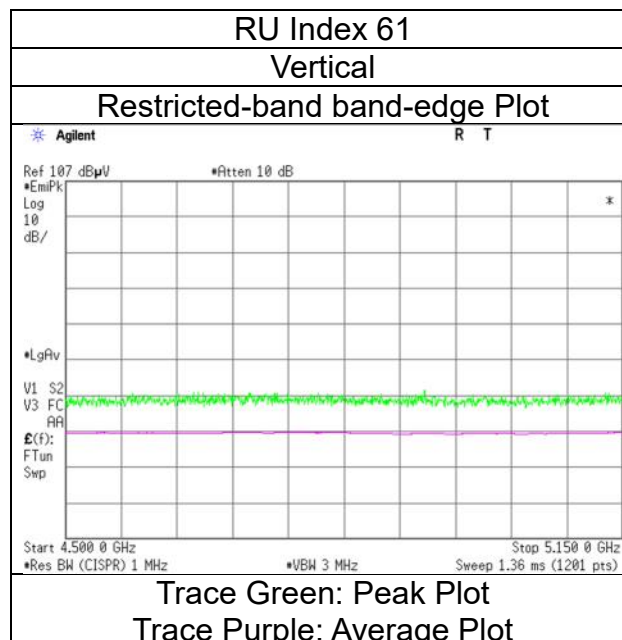
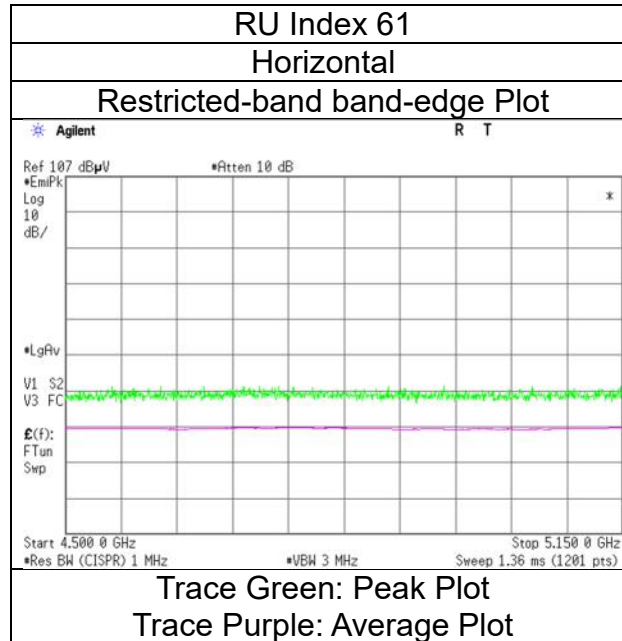
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 8, 2024
22 deg. C / 28 % RH
Kenichi Adachi
Tx 11ax-40 (OFDMA) 242-tone RU, 5190 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 484-tone RU, 5190 MHz With 2M-PHY BT LE 2440 MHz

RU Index 65

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	48.43	32.16	17.18	43.07	2.49	57.19	73.9	16.7	214	124	-
Hori.	5150.000	AV	36.51	32.16	17.18	43.07	2.49	45.27	53.9	8.6	214	124	VBW:10 Hz
Vert.	5150.000	PK	48.15	32.16	17.18	43.07	2.49	56.91	73.9	16.9	253	249	-
Vert.	5150.000	AV	36.21	32.16	17.18	43.07	2.49	44.97	53.9	8.9	253	249	VBW:10 Hz

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

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

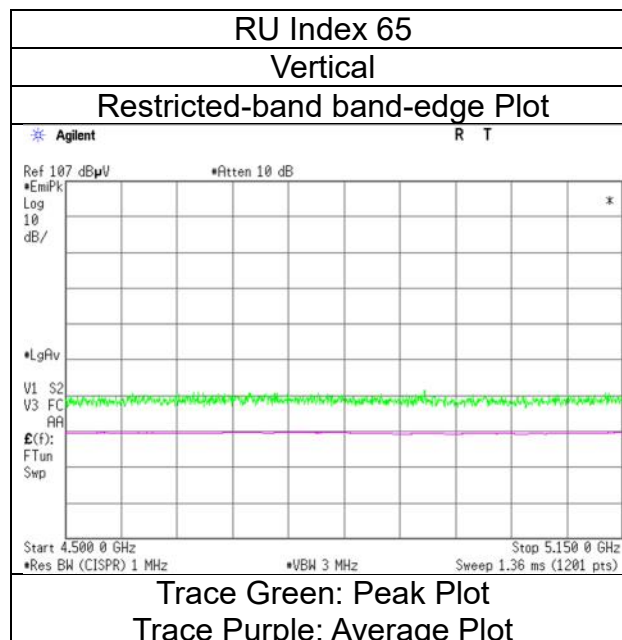
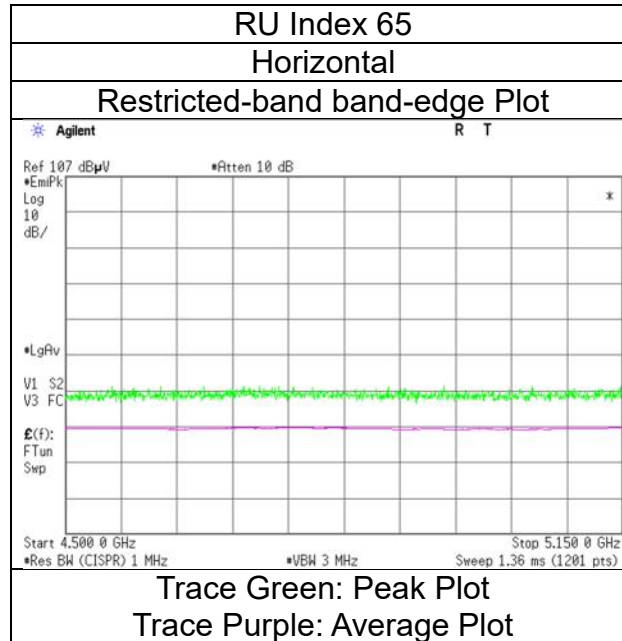
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 9, 2024
22 deg. C / 31 % RH
Akihiro Oda
Tx 11ax-40 (OFDMA) 484-tone RU, 5190 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 7, 2024
Temperature / Humidity 21 deg. C / 26 % RH
Engineer Yuta Shiba
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 26-tone RU, 5310 MHz With 2M-PHY BT LE 2440 MHz

RU Index 17

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	48.64	31.98	17.30	43.30	2.49	57.11	73.9	16.7	179	121	-
Hori.	5350.000	AV	36.53	31.98	17.30	43.30	2.49	45.00	53.9	8.9	179	121	VBW:10 Hz
Vert.	5350.000	PK	48.85	31.98	17.30	43.30	2.49	57.32	73.9	16.5	240	236	-
Vert.	5350.000	AV	36.72	31.98	17.30	43.30	2.49	45.19	53.9	8.7	240	236	VBW:10 Hz

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

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

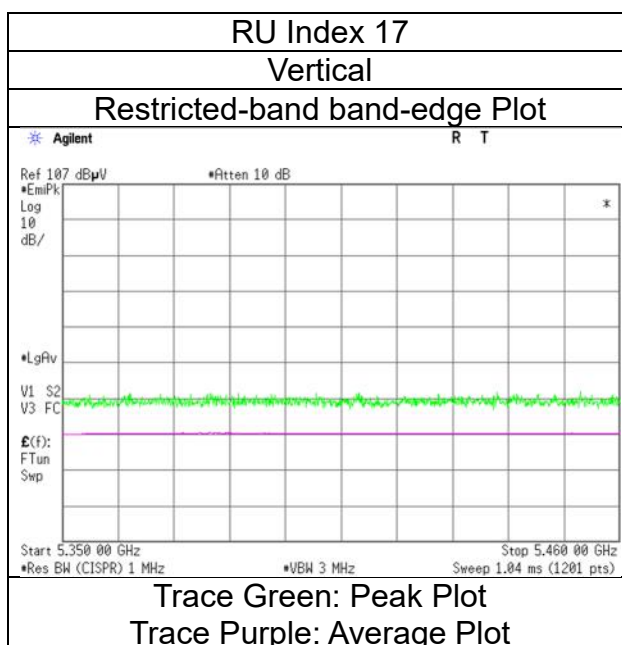
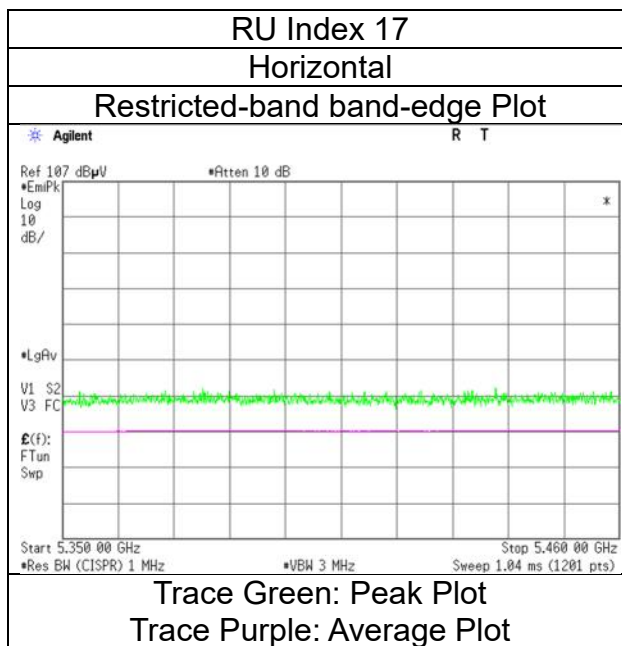
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 7, 2024
21 deg. C / 26 % RH
Yuta Shiba
Tx 11ax-40 (OFDMA) 26-tone RU, 5310 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
Date January 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 52-tone RU, 5310 MHz With 2M-PHY BT LE 2440 MHz

RU Index 44

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	48.84	31.98	17.30	43.30	2.49	57.31	73.9	16.5	226	122	-
Hori.	5350.000	AV	37.36	31.98	17.30	43.30	2.49	45.83	53.9	8.0	226	122	VBW:10 Hz
Vert.	5350.000	PK	48.72	31.98	17.30	43.30	2.49	57.19	73.9	16.7	239	240	-
Vert.	5350.000	AV	37.24	31.98	17.30	43.30	2.49	45.71	53.9	8.1	239	240	VBW:10 Hz

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

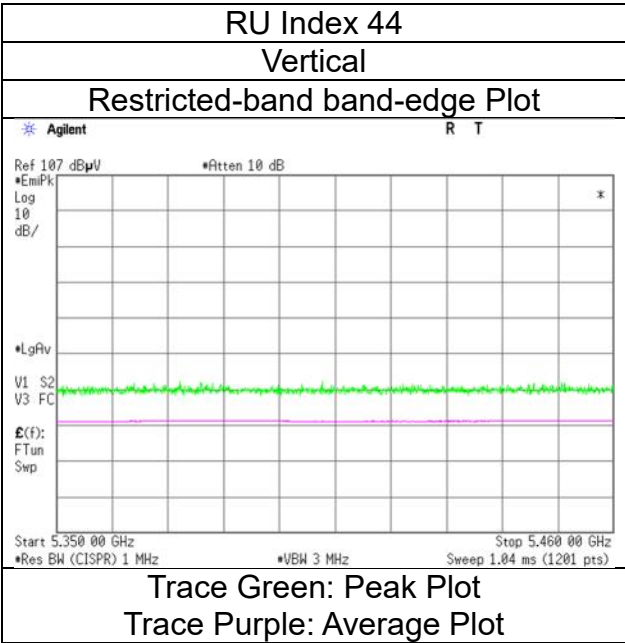
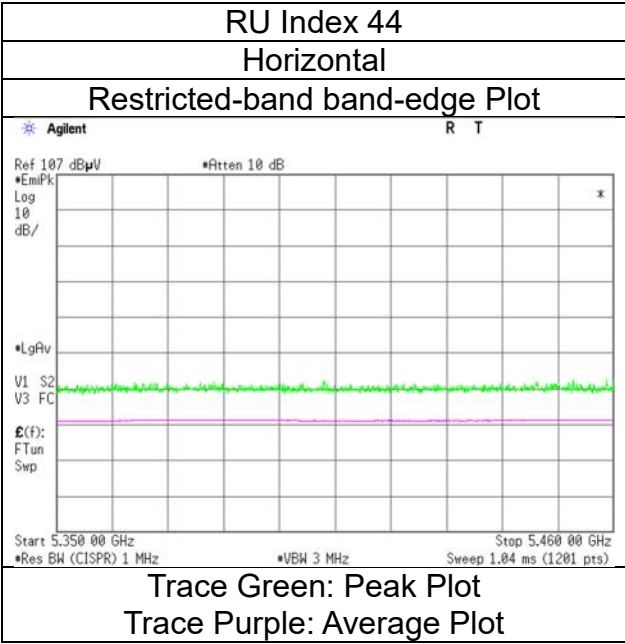
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 52-tone RU, 5310 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 106 -tone RU, 5310 MHz With 2M-PHY BT LE 2440 MHz

RU Index 56

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	49.96	31.98	17.30	43.30	2.49	58.43	73.9	15.4	231	122	-
Hori.	5350.000	AV	37.34	31.98	17.30	43.30	2.49	45.81	53.9	8.0	231	122	VBW:10 Hz
Vert.	5350.000	PK	48.88	31.98	17.30	43.30	2.49	57.35	73.9	16.5	233	140	-
Vert.	5350.000	AV	37.28	31.98	17.30	43.30	2.49	45.75	53.9	8.1	233	140	VBW:10 Hz

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

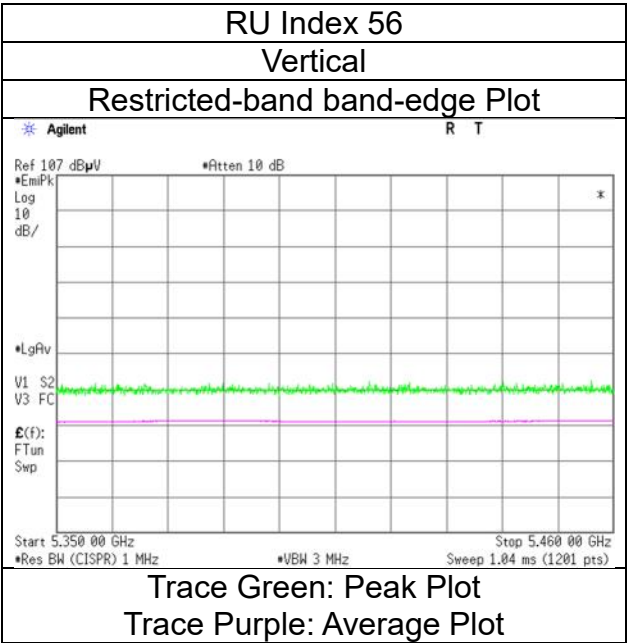
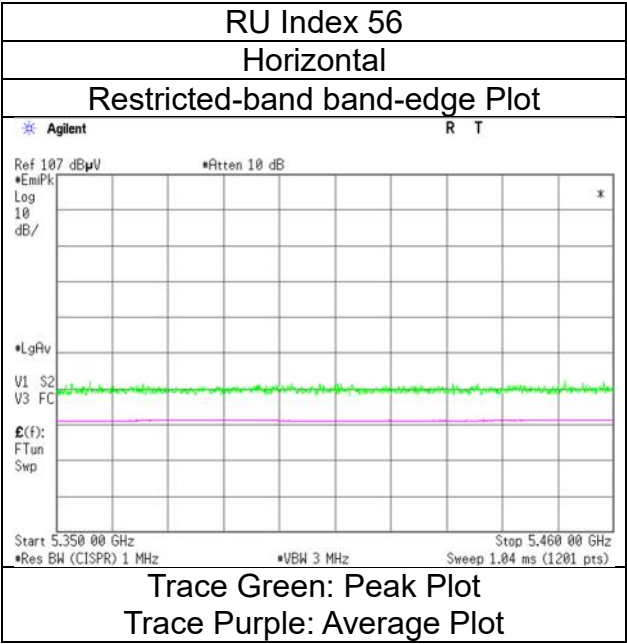
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 106 -tone RU, 5310 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 242-tone RU, 5310 MHz With 2M-PHY BT LE 2440 MHz

RU Index 62

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	48.98	31.98	17.30	43.30	2.49	57.45	73.9	16.4	229	121	-
Hori.	5350.000	AV	37.40	31.98	17.30	43.30	2.49	45.87	53.9	8.0	229	121	VBW:10 Hz
Vert.	5350.000	PK	48.91	31.98	17.30	43.30	2.49	57.38	73.9	16.5	226	241	-
Vert.	5350.000	AV	37.25	31.98	17.30	43.30	2.49	45.72	53.9	8.1	226	241	VBW:10 Hz

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

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

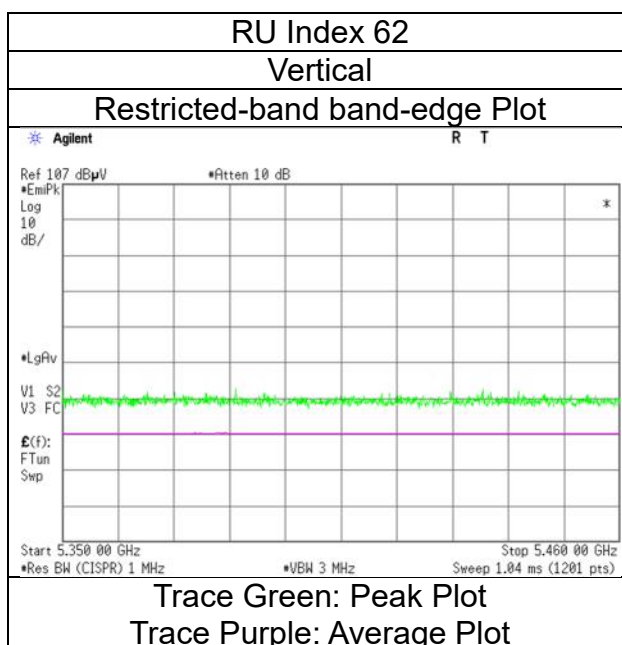
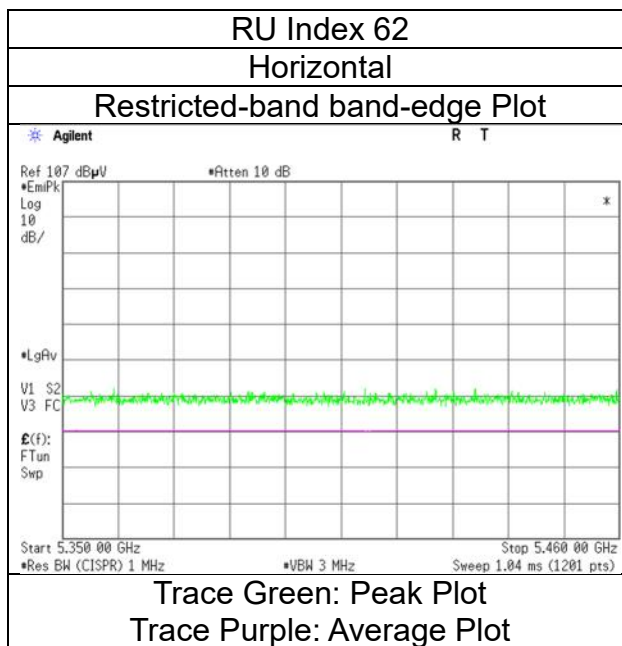
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 8, 2024
22 deg. C / 28 % RH
Kenichi Adachi
Tx 11ax-40 (OFDMA) 242-tone RU, 5310 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 484-tone RU, 5310 MHz With 2M-PHY BT LE 2440 MHz

RU Index 65

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	49.46	31.98	17.30	43.30	2.49	57.93	73.9	15.9	215	128	-
Hori.	5350.000	AV	36.97	31.98	17.30	43.30	2.49	45.44	53.9	8.4	215	128	VBW:10 Hz
Vert.	5350.000	PK	48.49	31.98	17.30	43.30	2.49	56.96	73.9	16.9	254	245	-
Vert.	5350.000	AV	36.79	31.98	17.30	43.30	2.49	45.26	53.9	8.6	254	245	VBW:10 Hz

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

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

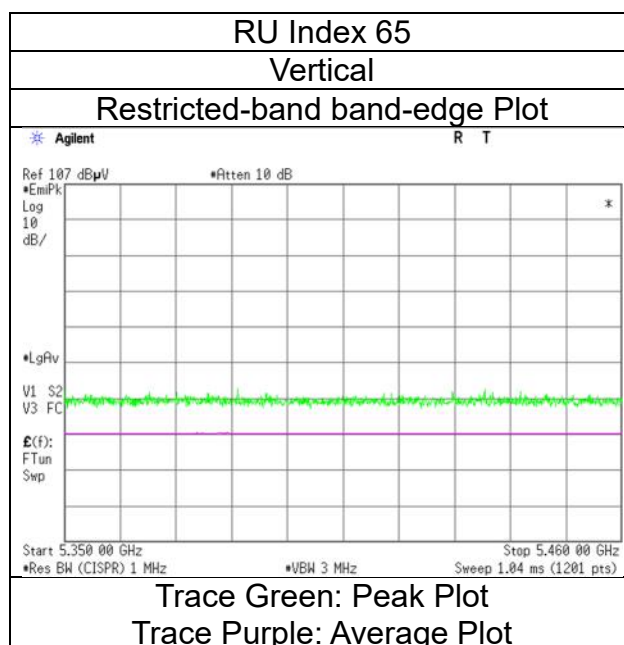
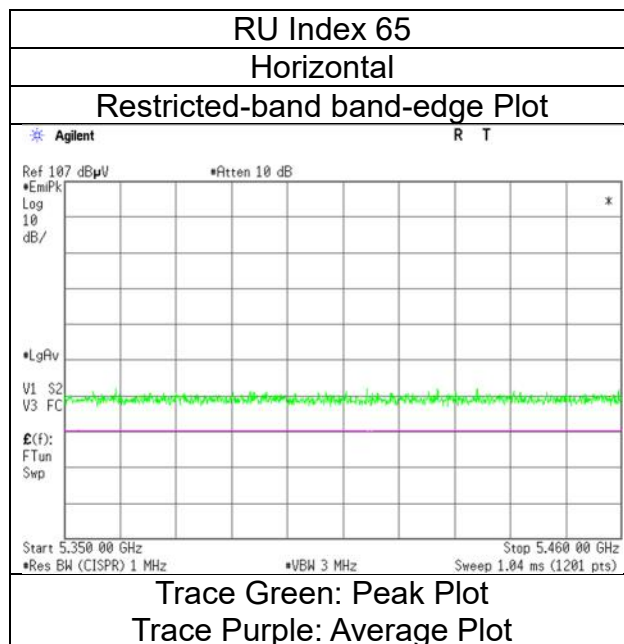
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 9, 2024
22 deg. C / 31 % RH
Akihiro Oda
Tx 11ax-40 (OFDMA) 484-tone RU, 5310 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 7, 2024
Temperature / Humidity 21 deg. C / 26 % RH
Engineer Yuta Shiba
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 26-tone RU, 5510 MHz With 2M-PHY BT LE 2440 MHz

RU Index 0

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	48.85	32.24	17.38	43.42	2.49	57.54	73.9	16.3	192	91	-
Hori.	5460.000	AV	36.90	32.24	17.38	43.42	2.49	45.59	53.9	8.3	192	91	VBW:10 Hz
Vert.	5460.000	PK	48.59	32.24	17.38	43.42	2.49	57.28	73.9	16.6	222	247	-
Vert.	5460.000	AV	36.99	32.24	17.38	43.42	2.49	45.68	53.9	8.2	222	247	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	49.24	32.25	17.39	43.44	2.49	57.93	-37.30	-27.0	10.3	192	91	-
Vert.	5470.000	PK	49.67	32.25	17.39	43.44	2.49	58.36	-36.87	-27.0	9.8	222	247	-

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

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

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

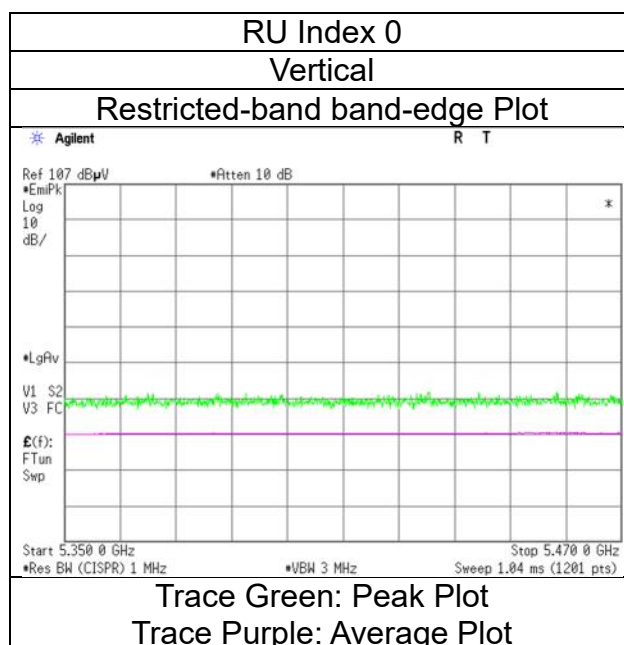
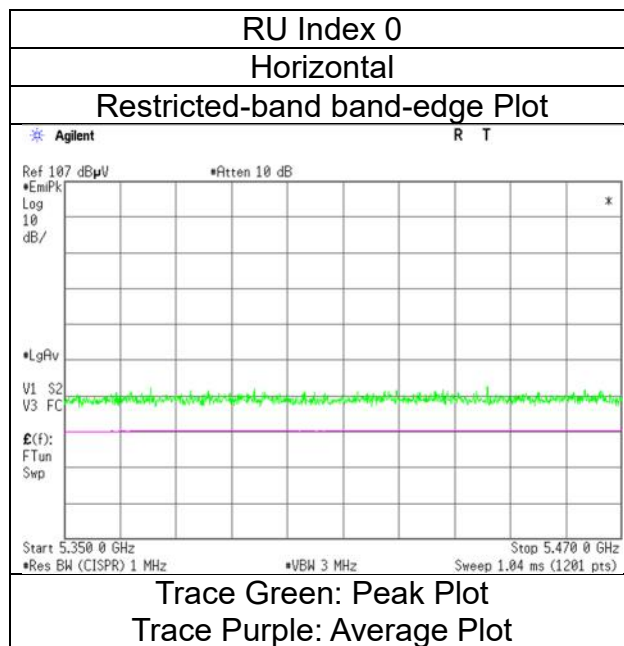
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 7, 2024
21 deg. C / 26 % RH
Yuta Shiba
Tx 11ax-40 (OFDMA) 26-tone RU, 5510 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 52-tone RU, 5510 MHz With 2M-PHY BT LE 2440 MHz

RU Index 37

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	48.64	32.24	17.38	43.42	2.49	57.33	73.9	16.5	217	118	-
Hori.	5460.000	AV	37.30	32.24	17.38	43.42	2.49	45.99	53.9	7.9	217	118	VBW:10 Hz
Vert.	5460.000	PK	48.56	32.24	17.38	43.42	2.49	57.25	73.9	16.6	239	138	-
Vert.	5460.000	AV	37.27	32.24	17.38	43.42	2.49	45.96	53.9	7.9	239	138	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	48.85	32.25	17.39	43.44	2.49	57.54	-37.69	-27.0	10.6	217	118	-
Vert.	5470.000	PK	48.78	32.25	17.39	43.44	2.49	57.47	-37.76	-27.0	10.7	239	138	-

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

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

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

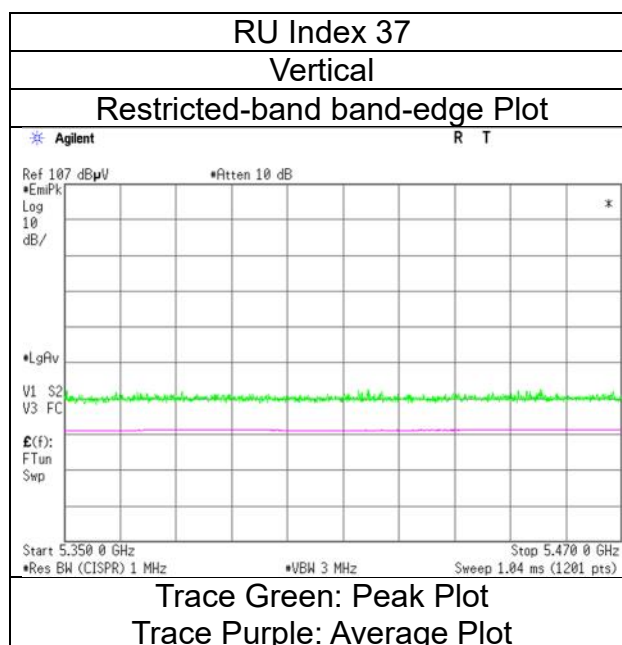
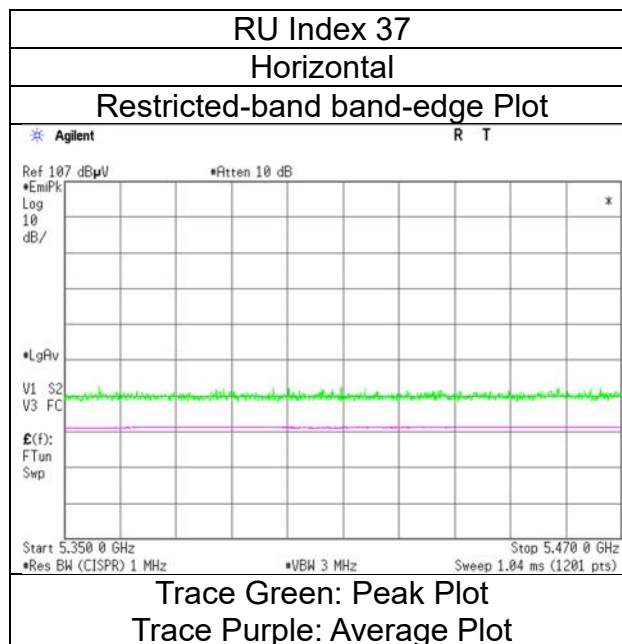
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 8, 2024
22 deg. C / 28 % RH
Kenichi Adachi
Tx 11ax-40 (OFDMA) 52-tone RU, 5510 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 106 -tone RU, 5510 MHz With 2M-PHY BT LE 2440 MHz

RU Index 53

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	48.69	32.24	17.38	43.42	2.49	57.38	73.9	16.5	218	121	-
Hori.	5460.000	AV	37.31	32.24	17.38	43.42	2.49	46.00	53.9	7.9	218	121	VBW:10 Hz
Vert.	5460.000	PK	48.60	32.24	17.38	43.42	2.49	57.29	73.9	16.6	241	137	-
Vert.	5460.000	AV	37.26	32.24	17.38	43.42	2.49	45.95	53.9	7.9	241	137	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	48.76	32.25	17.39	43.44	2.49	57.45	-37.78	-27.0	10.7	218	121	-
Vert.	5470.000	PK	48.68	32.25	17.39	43.44	2.49	57.37	-37.86	-27.0	10.8	241	137	-

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

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

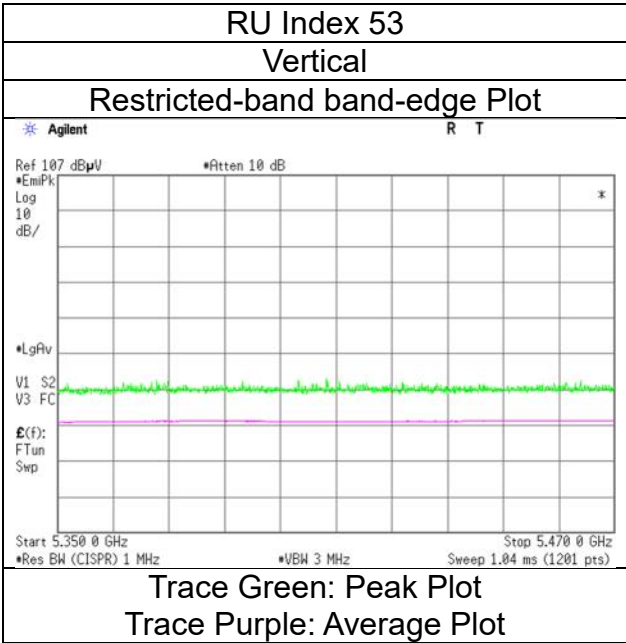
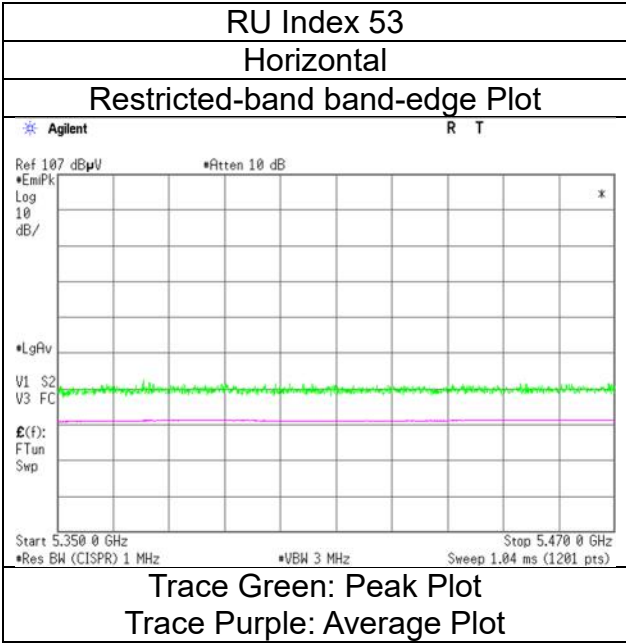
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 106 -tone RU, 5510 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 242-tone RU, 5510 MHz With 2M-PHY BT LE 2440 MHz

RU Index 61

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	48.46	32.24	17.38	43.42	2.49	57.15	73.9	16.7	218	116	-
Hori.	5460.000	AV	37.34	32.24	17.38	43.42	2.49	46.03	53.9	7.8	218	116	VBW:10 Hz
Vert.	5460.000	PK	48.32	32.24	17.38	43.42	2.49	57.01	73.9	16.8	248	134	-
Vert.	5460.000	AV	37.32	32.24	17.38	43.42	2.49	46.01	53.9	7.8	248	134	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	48.88	32.25	17.39	43.44	2.49	57.57	-37.66	-27.0	10.6	218	116	-
Vert.	5470.000	PK	48.68	32.25	17.39	43.44	2.49	57.37	-37.86	-27.0	10.8	248	134	-

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

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

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

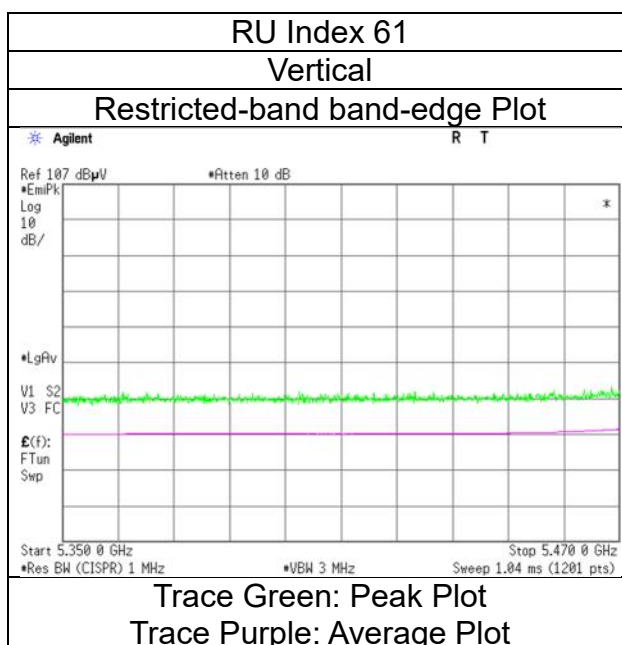
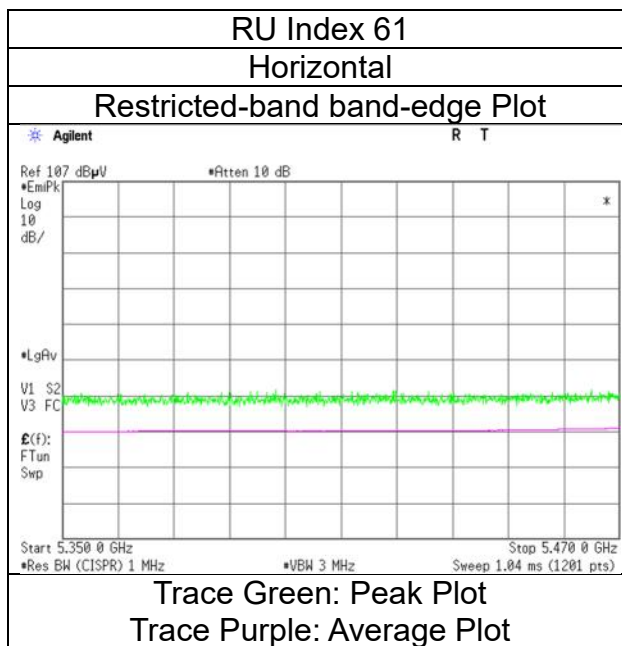
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 8, 2024
22 deg. C / 28 % RH
Kenichi Adachi
Tx 11ax-40 (OFDMA) 242-tone RU, 5510 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 484-tone RU, 5510 MHz With 2M-PHY BT LE 2440 MHz

RU Index 65

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	49.52	32.24	17.38	43.42	2.49	58.21	73.9	15.6	220	118	-
Hori.	5460.000	AV	37.28	32.24	17.38	43.42	2.49	45.97	53.9	7.9	220	118	VBW:10 Hz
Vert.	5460.000	PK	49.60	32.24	17.38	43.42	2.49	58.29	73.9	15.6	236	251	-
Vert.	5460.000	AV	37.35	32.24	17.38	43.42	2.49	46.04	53.9	7.8	236	251	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	50.15	32.25	17.39	43.44	2.49	58.84	-36.39	-27.0	9.3	220	118	-
Vert.	5470.000	PK	49.77	32.25	17.39	43.44	2.49	58.46	-36.77	-27.0	9.7	236	251	-

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

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

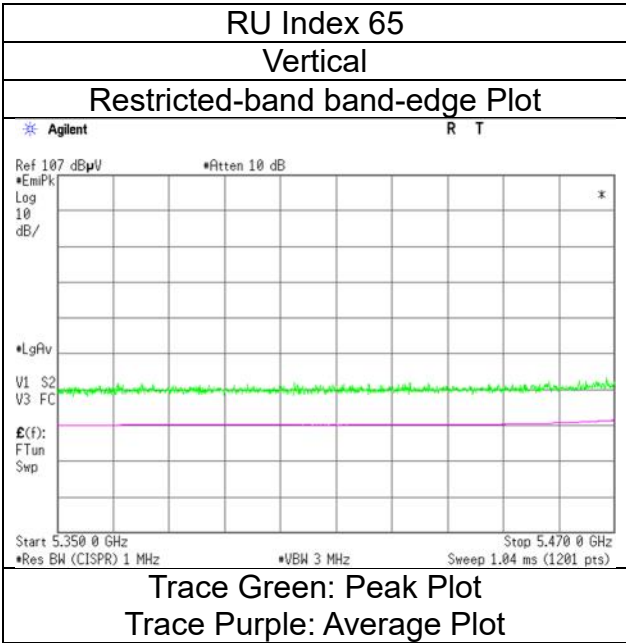
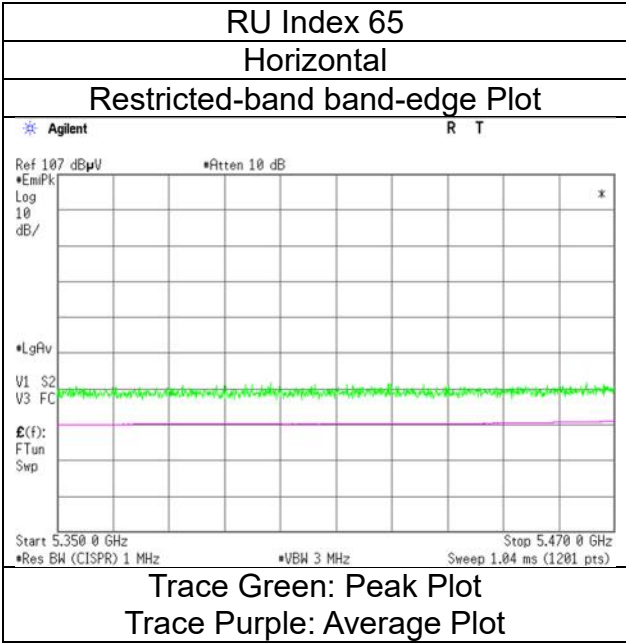
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 9, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-40 (OFDMA) 484-tone RU, 5510 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 7, 2024
Temperature / Humidity 21 deg. C / 26 % RH
Engineer Yuta Shiba
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 26-tone RU, 5670 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	48.63	32.63	17.53	43.42	2.49	57.86	-37.37	-27.0	10.3	168	122	-
Vert.	5725.000	PK	48.78	32.63	17.53	43.42	2.49	58.01	-37.22	-27.0	10.2	238	245	-

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

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

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

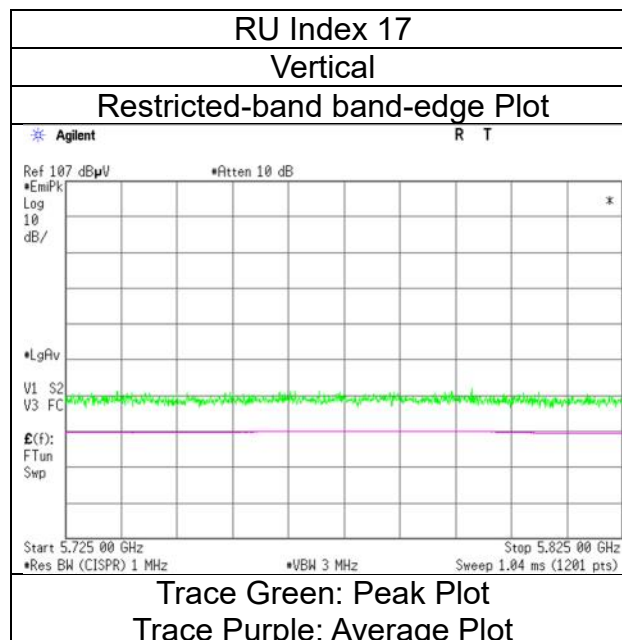
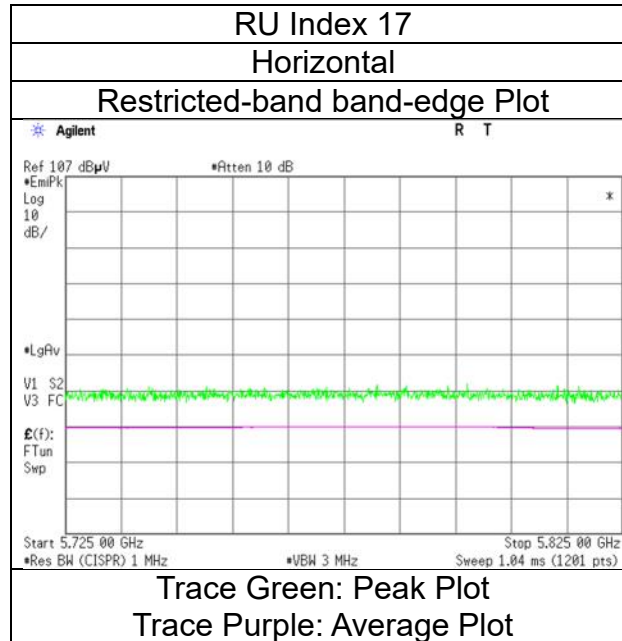
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 7, 2024
21 deg. C / 26 % RH
Yuta Shiba
Tx 11ax-40 (OFDMA) 26-tone RU, 5670 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
(1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 52-tone RU, 5670 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	48.43	32.63	17.53	43.42	2.49	57.66	-37.57	-27.0	10.5	227	239	-
Vert.	5725.000	PK	48.22	32.63	17.53	43.42	2.49	57.45	-37.78	-27.0	10.7	231	134	-

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

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

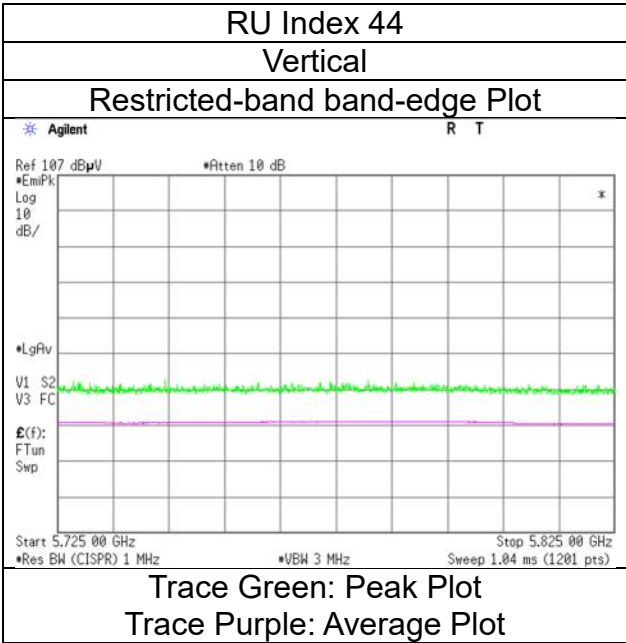
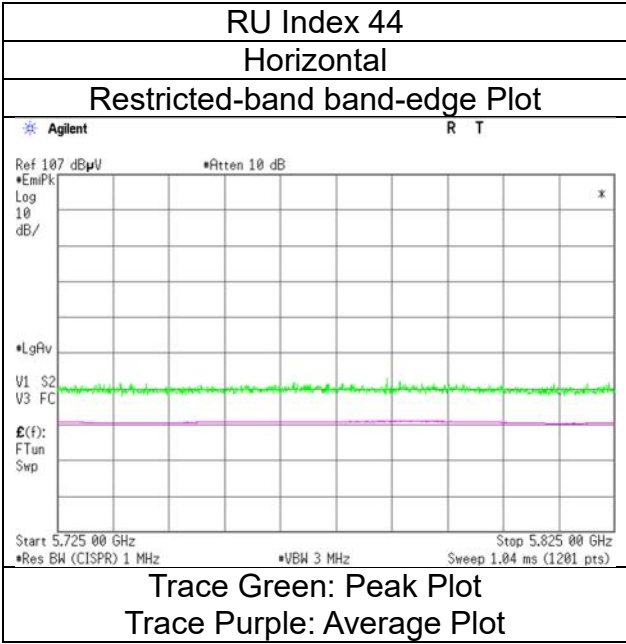
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 52-tone RU, 5670 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
(1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 106 -tone RU, 5670 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	48.97	32.63	17.53	43.42	2.49	58.20	-37.03	-27.0	10.0	204	118	-
Vert.	5725.000	PK	48.79	32.63	17.53	43.42	2.49	58.02	-37.21	-27.0	10.2	239	136	-

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

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

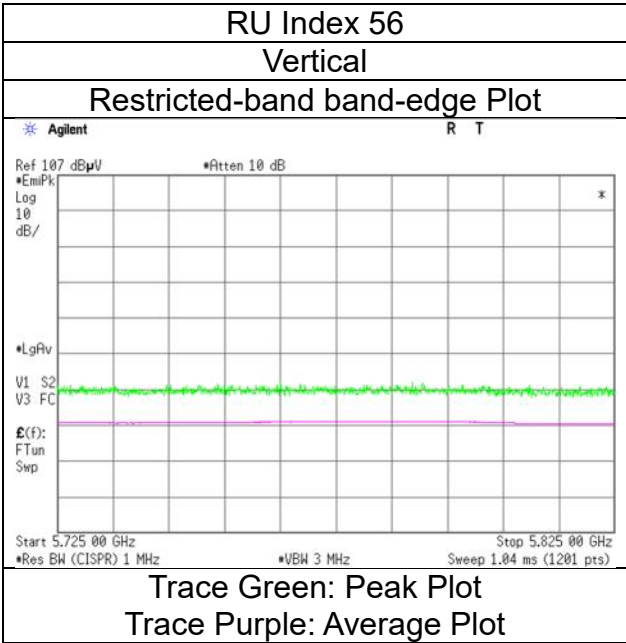
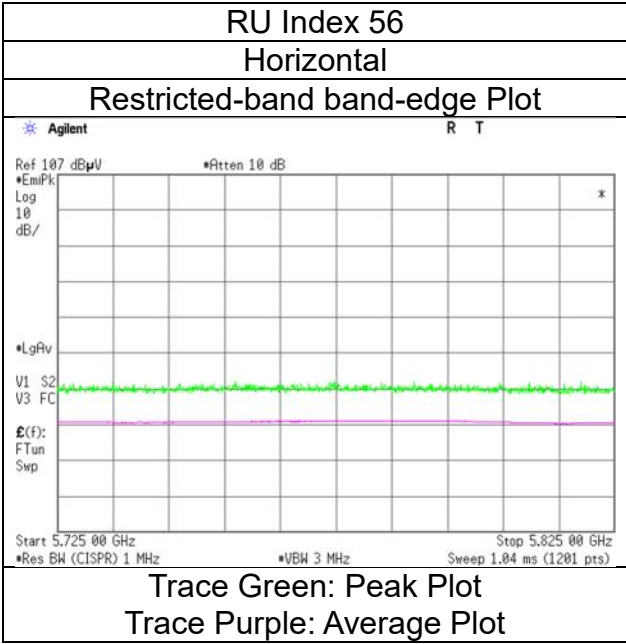
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 106 -tone RU, 5670 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 242-tone RU, 5670 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	48.48	32.63	17.53	43.42	2.49	57.71	-37.52	-27.0	10.5	226	46	-
Vert.	5725.000	PK	48.44	32.63	17.53	43.42	2.49	57.67	-37.56	-27.0	10.5	230	136	-

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

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

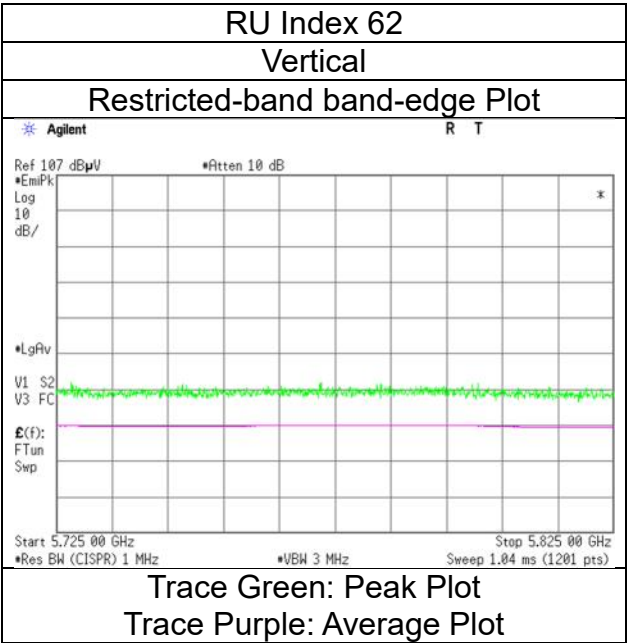
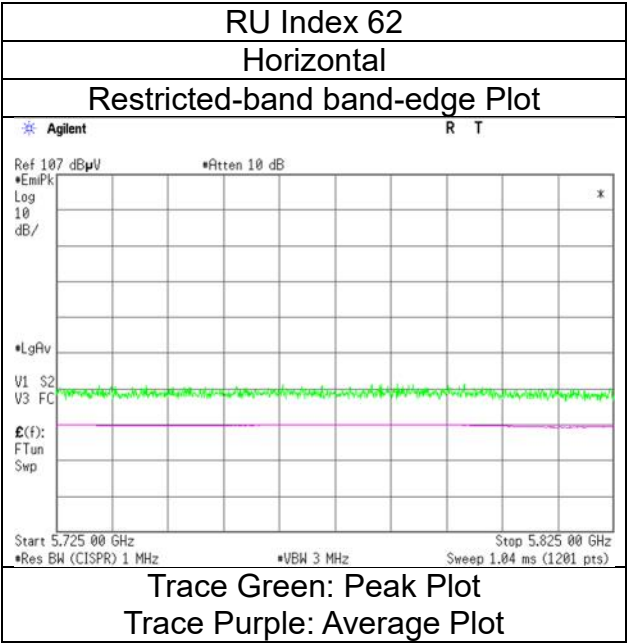
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 242-tone RU, 5670 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
(1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 484-tone RU, 5670 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	50.32	32.63	17.53	43.42	2.49	59.55	-35.68	-27.0	8.6	217	119	-
Vert.	5725.000	PK	47.62	32.63	17.53	43.42	2.49	56.85	-38.38	-27.0	11.3	237	239	-

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

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

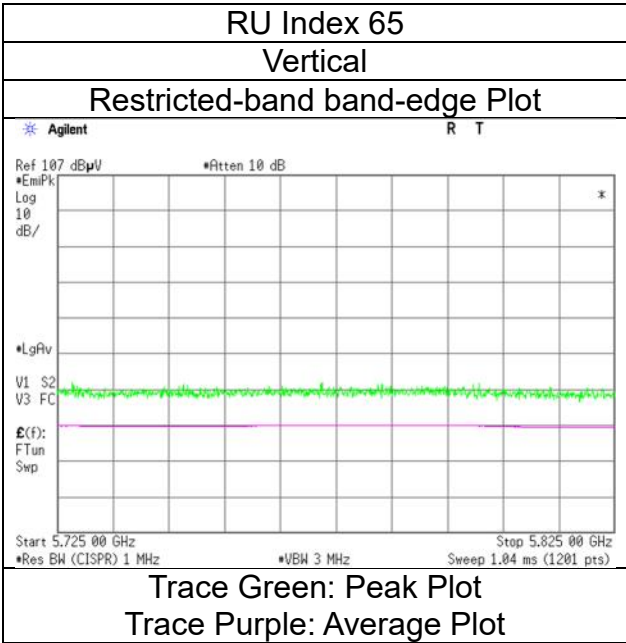
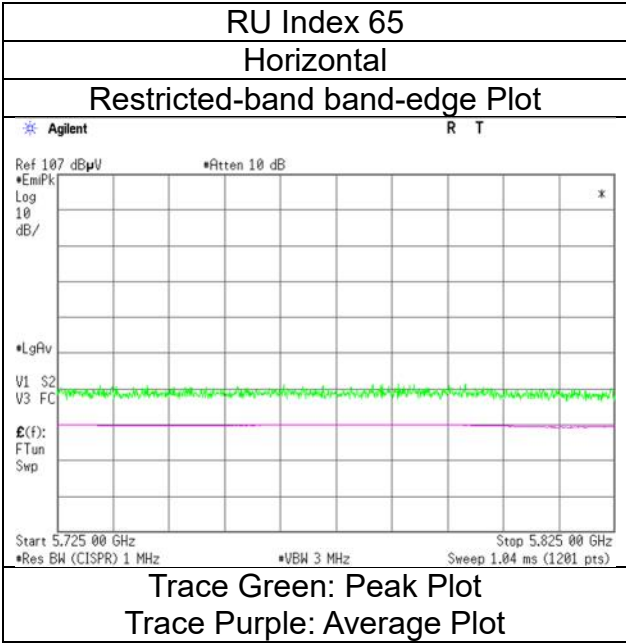
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 9, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-40 (OFDMA) 484-tone RU, 5670 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 26-tone RU, 5755 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	48.32	32.44	17.50	43.44	2.49	57.31	-37.92	-27.0	10.9	205	121	-
Hori.	5700.000	PK	48.48	32.56	17.52	43.43	2.49	57.62	-37.61	10.0	47.6	205	121	-
Hori.	5720.000	PK	48.70	32.61	17.53	43.42	2.49	57.91	-37.32	15.6	52.9	205	121	-
Hori.	5725.000	PK	48.94	32.63	17.53	43.42	2.49	58.17	-37.06	27.0	64.0	205	121	-
Vert.	5650.000	PK	48.27	32.44	17.50	43.44	2.49	57.26	-37.97	-27.0	10.9	224	139	-
Vert.	5700.000	PK	48.41	32.56	17.52	43.43	2.49	57.55	-37.68	10.0	47.6	224	139	-
Vert.	5720.000	PK	48.66	32.61	17.53	43.42	2.49	57.87	-37.36	15.6	52.9	224	139	-
Vert.	5725.000	PK	48.83	32.63	17.53	43.42	2.49	58.06	-37.17	27.0	64.1	224	139	-

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

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

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

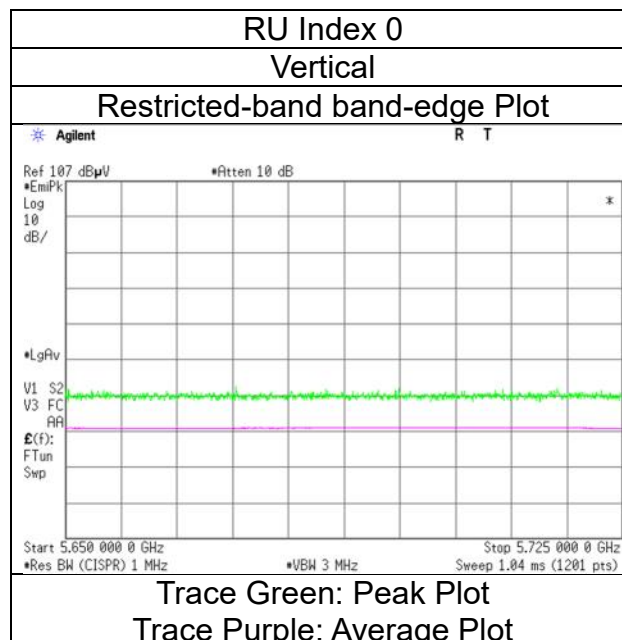
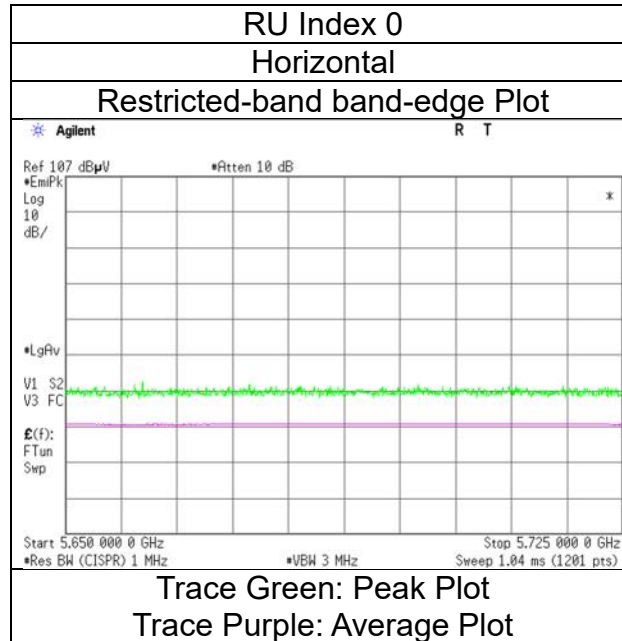
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 8, 2024
22 deg. C / 28 % RH
Kenichi Adachi
Tx 11ax-40 (OFDMA) 26-tone RU, 5755 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 52-tone RU, 5755 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	48.80	32.44	17.50	43.44	2.49	57.79	-37.44	-27.0	10.4	216	119	-
Hori.	5700.000	PK	48.82	32.56	17.52	43.43	2.49	57.96	-37.27	10.0	47.2	216	119	-
Hori.	5720.000	PK	48.88	32.61	17.53	43.42	2.49	58.09	-37.14	15.6	52.7	216	119	-
Hori.	5725.000	PK	48.97	32.63	17.53	43.42	2.49	58.20	-37.03	27.0	64.0	216	119	-
Vert.	5650.000	PK	48.78	32.44	17.50	43.44	2.49	57.77	-37.46	-27.0	10.4	228	133	-
Vert.	5700.000	PK	48.84	32.56	17.52	43.43	2.49	57.98	-37.25	10.0	47.2	228	133	-
Vert.	5720.000	PK	48.86	32.61	17.53	43.42	2.49	58.07	-37.16	15.6	52.7	228	133	-
Vert.	5725.000	PK	48.88	32.63	17.53	43.42	2.49	58.11	-37.12	27.0	64.1	228	133	-

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

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

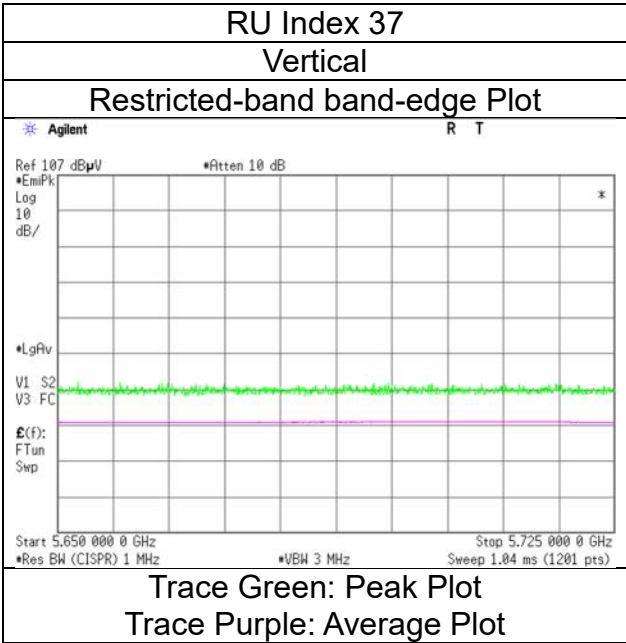
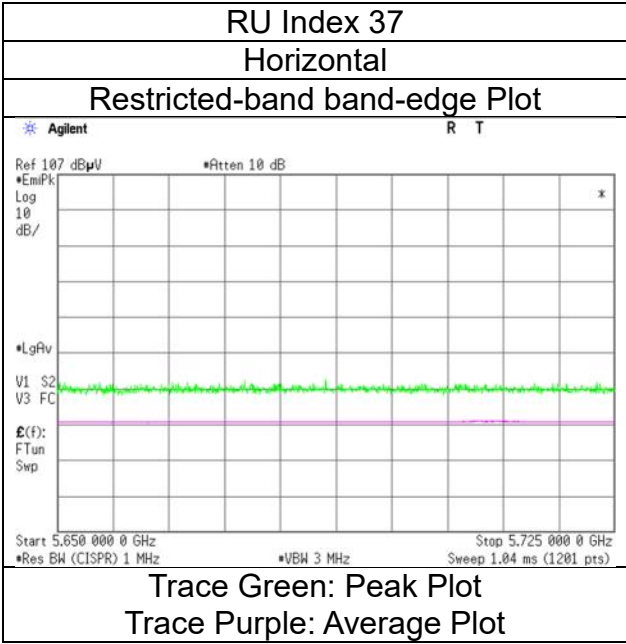
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 52-tone RU, 5755 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
(1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 106 -tone RU, 5755 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]
Hori.	5650.000	PK	48.60	32.44	17.50	43.44	2.49	57.59	-37.64	-27.0	10.6	204	120
Hori.	5700.000	PK	48.70	32.56	17.52	43.43	2.49	57.84	-37.39	10.0	47.3	204	120
Hori.	5720.000	PK	48.76	32.61	17.53	43.42	2.49	57.97	-37.26	15.6	52.8	204	120
Hori.	5725.000	PK	48.98	32.63	17.53	43.42	2.49	58.21	-37.02	27.0	64.0	204	120
Vert.	5650.000	PK	48.55	32.44	17.50	43.44	2.49	57.54	-37.69	-27.0	10.6	228	135
Vert.	5700.000	PK	48.69	32.56	17.52	43.43	2.49	57.83	-37.40	10.0	47.4	228	135
Vert.	5720.000	PK	48.74	32.61	17.53	43.42	2.49	57.95	-37.28	15.6	52.8	228	135
Vert.	5725.000	PK	48.89	32.63	17.53	43.42	2.49	58.12	-37.11	27.0	64.1	228	135

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

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

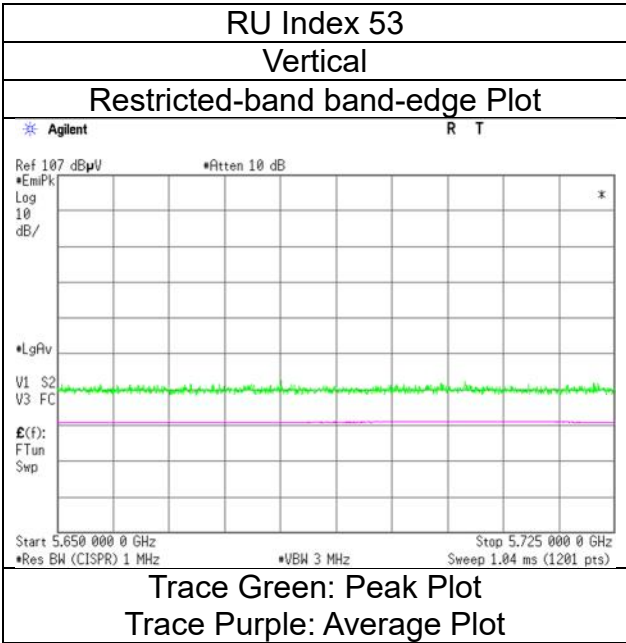
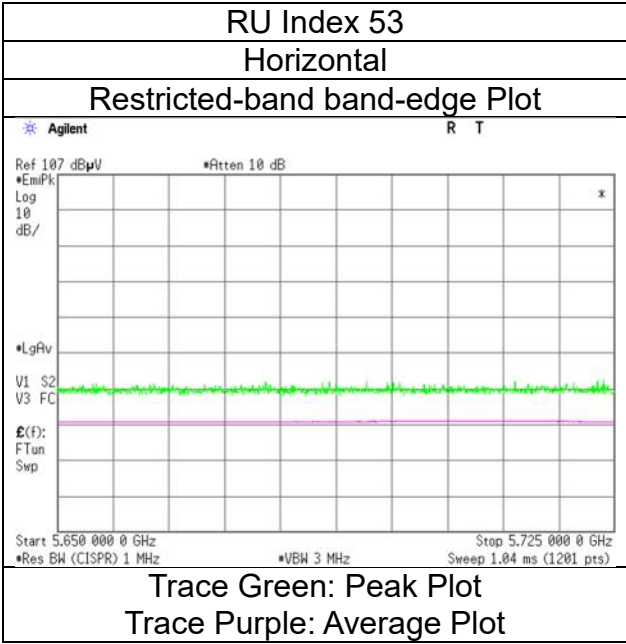
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 106 -tone RU, 5755 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 242-tone RU, 5755 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	48.48	32.44	17.50	43.44	2.49	57.47	-37.76	-27.0	10.7	229	44	-
Hori.	5700.000	PK	48.62	32.56	17.52	43.43	2.49	57.76	-37.47	10.0	47.4	229	44	-
Hori.	5720.000	PK	48.67	32.61	17.53	43.42	2.49	57.88	-37.35	15.6	52.9	229	44	-
Hori.	5725.000	PK	48.81	32.63	17.53	43.42	2.49	58.04	-37.19	27.0	64.1	229	44	-
Vert.	5650.000	PK	48.27	32.44	17.50	43.44	2.49	57.26	-37.97	-27.0	10.9	227	135	-
Vert.	5700.000	PK	48.37	32.56	17.52	43.43	2.49	57.51	-37.72	10.0	47.7	227	135	-
Vert.	5720.000	PK	48.54	32.61	17.53	43.42	2.49	57.75	-37.48	15.6	53.0	227	135	-
Vert.	5725.000	PK	48.63	32.63	17.53	43.42	2.49	57.86	-37.37	27.0	64.3	227	135	-

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

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

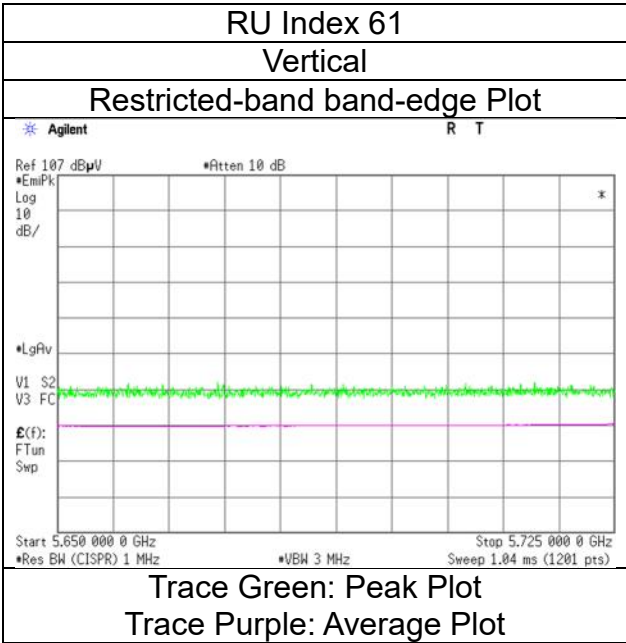
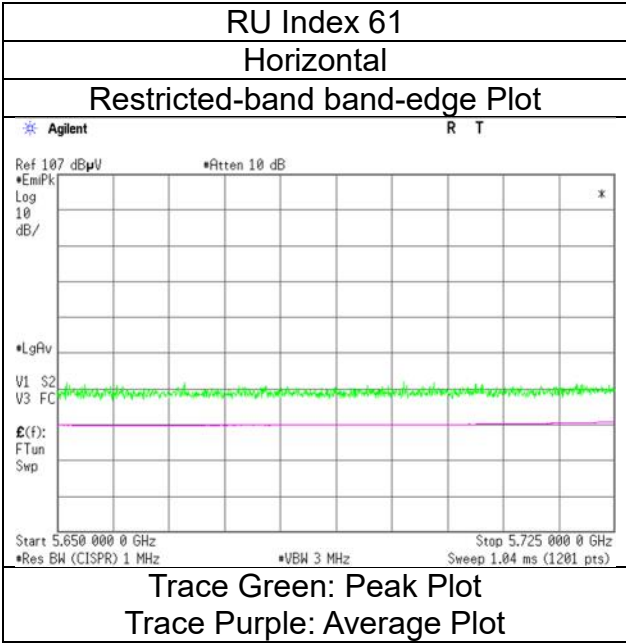
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 242-tone RU, 5755 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 484-tone RU, 5755 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	48.88	32.44	17.50	43.44	2.49	57.87	-37.36	-27.0	10.3	200	124	-
Hori.	5700.000	PK	49.25	32.56	17.52	43.43	2.49	58.39	-36.84	10.0	46.8	200	124	-
Hori.	5720.000	PK	49.71	32.61	17.53	43.42	2.49	58.92	-36.31	15.6	51.9	200	124	-
Hori.	5725.000	PK	49.87	32.63	17.53	43.42	2.49	59.10	-36.13	27.0	63.1	200	124	-
Vert.	5650.000	PK	47.61	32.44	17.50	43.44	2.49	56.60	-38.63	-27.0	11.6	236	240	-
Vert.	5700.000	PK	48.27	32.56	17.52	43.43	2.49	57.41	-37.82	10.0	47.8	236	240	-
Vert.	5720.000	PK	47.81	32.61	17.53	43.42	2.49	57.02	-38.21	15.6	53.8	236	240	-
Vert.	5725.000	PK	49.51	32.63	17.53	43.42	2.49	58.74	-36.49	27.0	63.4	236	240	-

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

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

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

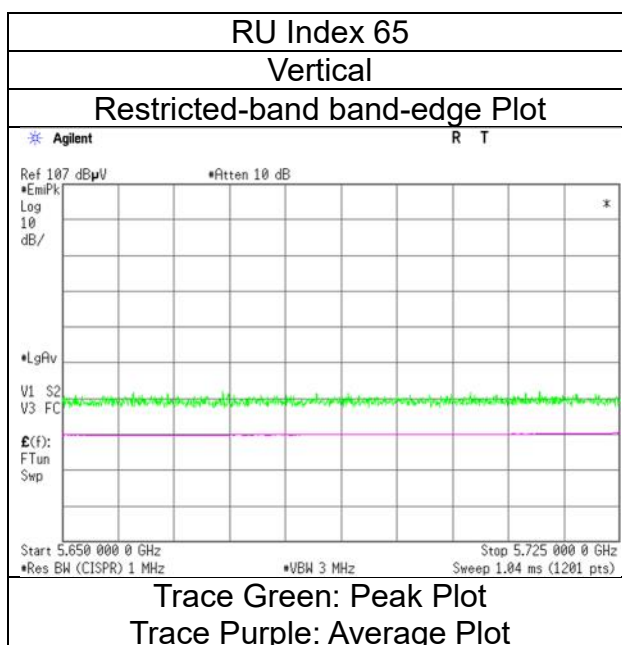
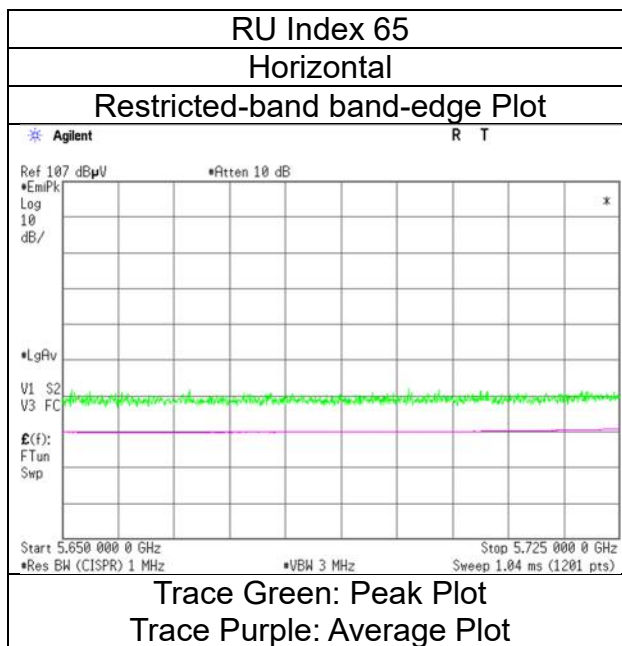
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 9, 2024
22 deg. C / 31 % RH
Akihiro Oda
Tx 11ax-40 (OFDMA) 484-tone RU, 5755 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 26-tone RU, 5795 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	48.88	32.94	17.61	43.39	2.49	58.53	-36.70	27.0	63.7	201	121	-
Hori.	5855.000	PK	48.61	32.95	17.61	43.39	2.49	58.27	-36.96	15.6	52.5	201	121	-
Hori.	5875.000	PK	48.22	32.98	17.64	43.39	2.49	57.94	-37.29	10.0	47.2	201	121	-
Hori.	5925.000	PK	48.04	33.06	17.66	43.38	2.49	57.87	-37.36	-27.0	10.3	201	121	-
Vert.	5850.000	PK	48.84	32.94	17.61	43.39	2.49	58.49	-36.74	27.0	63.7	227	123	-
Vert.	5855.000	PK	48.52	32.95	17.61	43.39	2.49	58.18	-37.05	15.6	52.6	227	123	-
Vert.	5875.000	PK	48.09	32.98	17.64	43.39	2.49	57.81	-37.42	10.0	47.4	227	123	-
Vert.	5925.000	PK	47.88	33.06	17.66	43.38	2.49	57.71	-37.52	-27.0	10.5	227	123	-

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

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

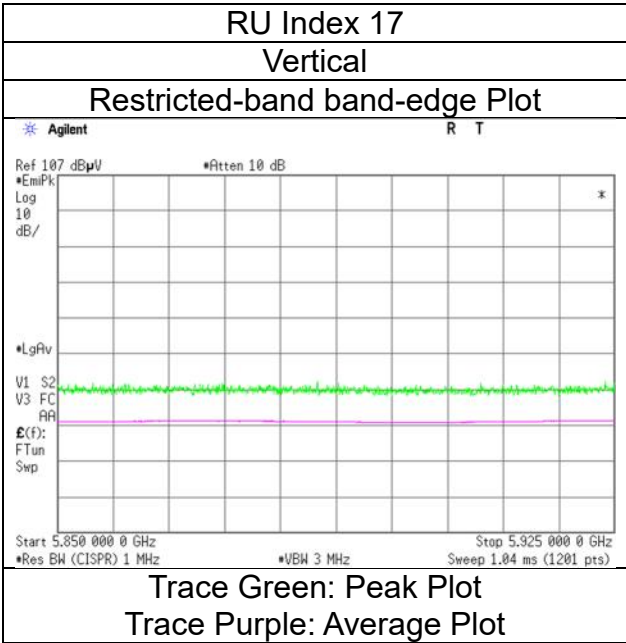
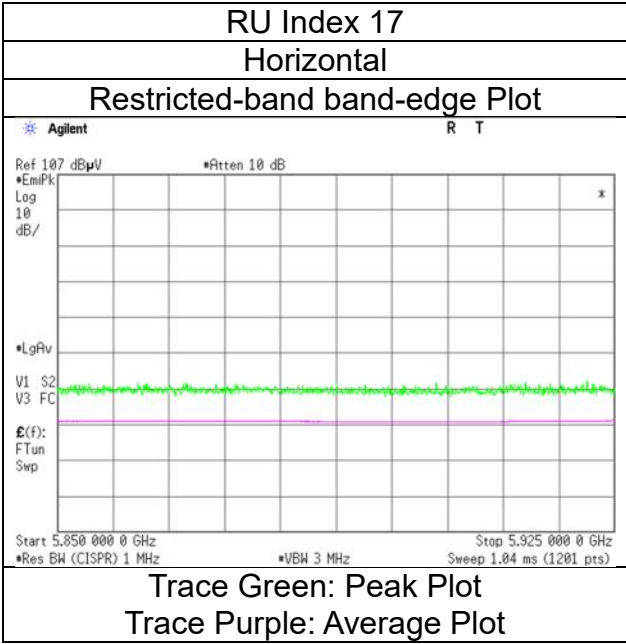
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 26-tone RU, 5795 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 52-tone RU, 5795 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	48.89	32.94	17.61	43.39	2.49	58.54	-36.69	27.0	63.6	228	119	-
Hori.	5855.000	PK	48.78	32.95	17.61	43.39	2.49	58.44	-36.79	15.6	52.3	228	119	-
Hori.	5875.000	PK	48.72	32.98	17.64	43.39	2.49	58.44	-36.79	10.0	46.7	228	119	-
Hori.	5925.000	PK	48.45	33.06	17.66	43.38	2.49	58.28	-36.95	-27.0	9.9	228	119	-
Vert.	5850.000	PK	48.76	32.94	17.61	43.39	2.49	58.41	-36.82	27.0	63.8	233	128	-
Vert.	5855.000	PK	48.72	32.95	17.61	43.39	2.49	58.38	-36.85	15.6	52.4	233	128	-
Vert.	5875.000	PK	48.67	32.98	17.64	43.39	2.49	58.39	-36.84	10.0	46.8	233	128	-
Vert.	5925.000	PK	48.23	33.06	17.66	43.38	2.49	58.06	-37.17	-27.0	10.1	233	128	-

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

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

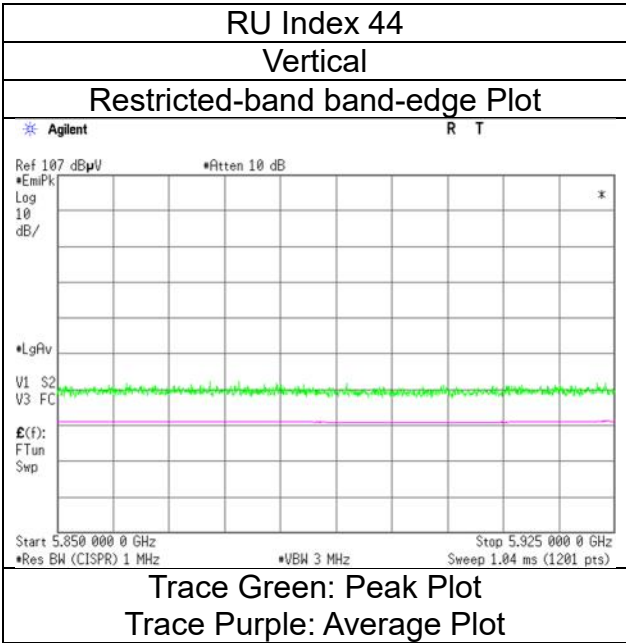
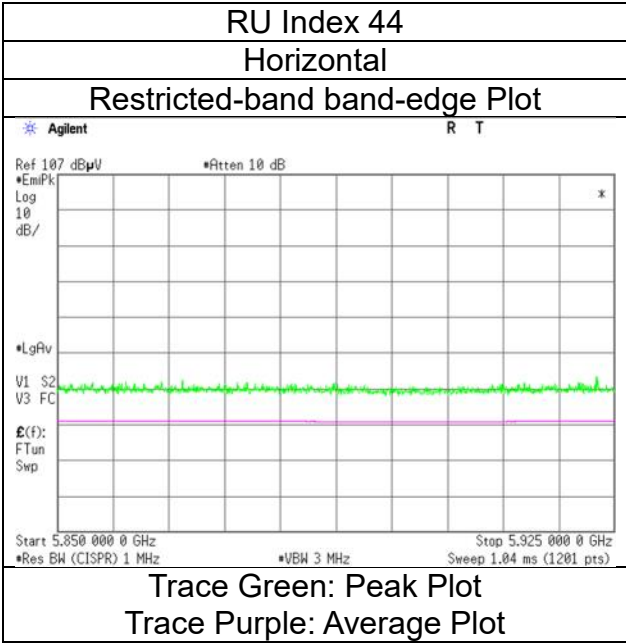
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 52-tone RU, 5795 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 106 -tone RU, 5795 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	48.84	32.94	17.61	43.39	2.49	58.49	-36.74	27.0	63.7	197	120	-
Hori.	5855.000	PK	48.78	32.95	17.61	43.39	2.49	58.44	-36.79	15.6	52.3	197	120	-
Hori.	5875.000	PK	48.67	32.98	17.64	43.39	2.49	58.39	-36.84	10.0	46.8	197	120	-
Hori.	5925.000	PK	48.12	33.06	17.66	43.38	2.49	57.95	-37.28	-27.0	10.2	197	120	-
Vert.	5850.000	PK	48.78	32.94	17.61	43.39	2.49	58.43	-36.80	27.0	63.8	234	127	-
Vert.	5855.000	PK	48.71	32.95	17.61	43.39	2.49	58.37	-36.86	15.6	52.4	234	127	-
Vert.	5875.000	PK	48.63	32.98	17.64	43.39	2.49	58.35	-36.88	10.0	46.8	234	127	-
Vert.	5925.000	PK	48.05	33.06	17.66	43.38	2.49	57.88	-37.35	-27.0	10.3	234	127	-

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

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

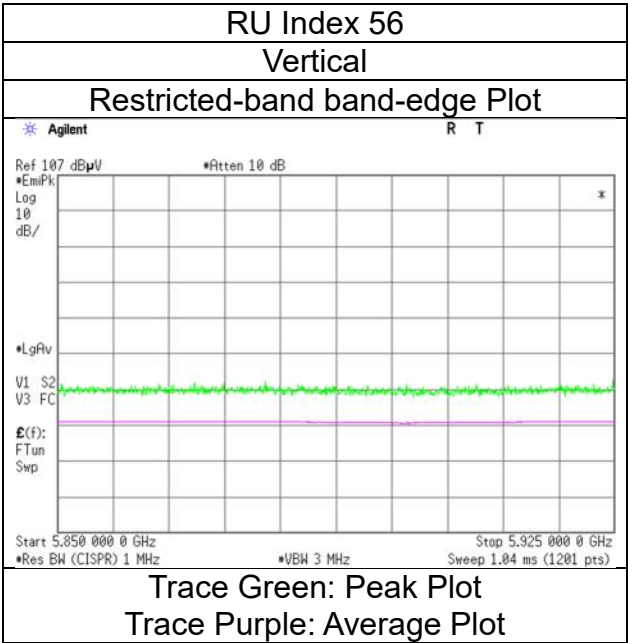
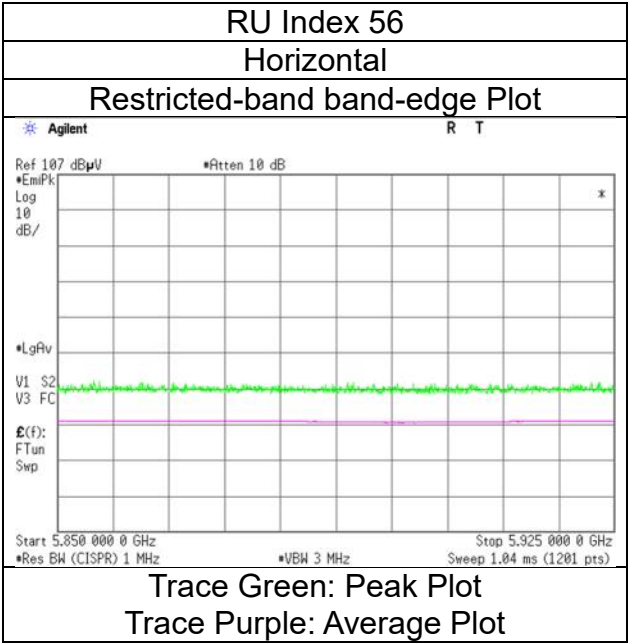
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 106 -tone RU, 5795 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 8, 2024
Temperature / Humidity 22 deg. C / 28 % RH
Engineer Kenichi Adachi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 242-tone RU, 5795 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	48.89	32.94	17.61	43.39	2.49	58.54	-36.69	27.0	63.6	226	42	-
Hori.	5855.000	PK	48.78	32.95	17.61	43.39	2.49	58.44	-36.79	15.6	52.3	226	42	-
Hori.	5875.000	PK	48.52	32.98	17.64	43.39	2.49	58.24	-36.99	10.0	46.9	226	42	-
Hori.	5925.000	PK	48.42	33.06	17.66	43.38	2.49	58.25	-36.98	-27.0	9.9	226	42	-
Vert.	5850.000	PK	48.87	32.94	17.61	43.39	2.49	58.52	-36.71	27.0	63.7	223	135	-
Vert.	5855.000	PK	48.78	32.95	17.61	43.39	2.49	58.44	-36.79	15.6	52.3	223	135	-
Vert.	5875.000	PK	48.46	32.98	17.64	43.39	2.49	58.18	-37.05	10.0	47.0	223	135	-
Vert.	5925.000	PK	48.39	33.06	17.66	43.38	2.49	58.22	-37.01	-27.0	10.0	223	135	-

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

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

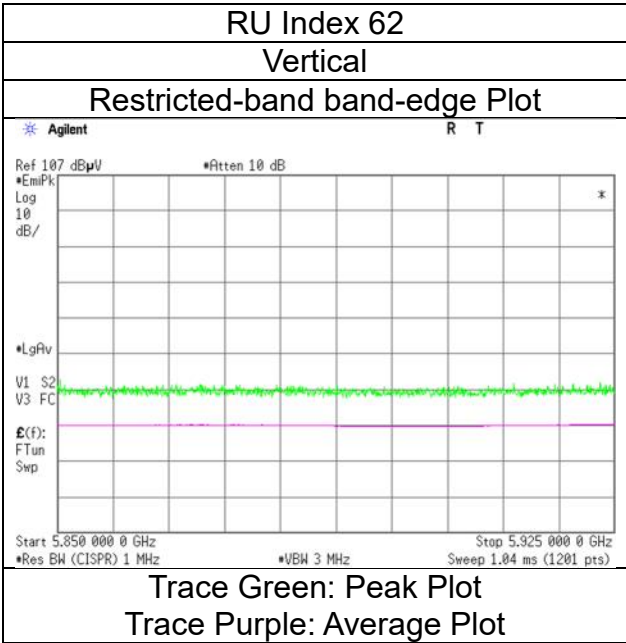
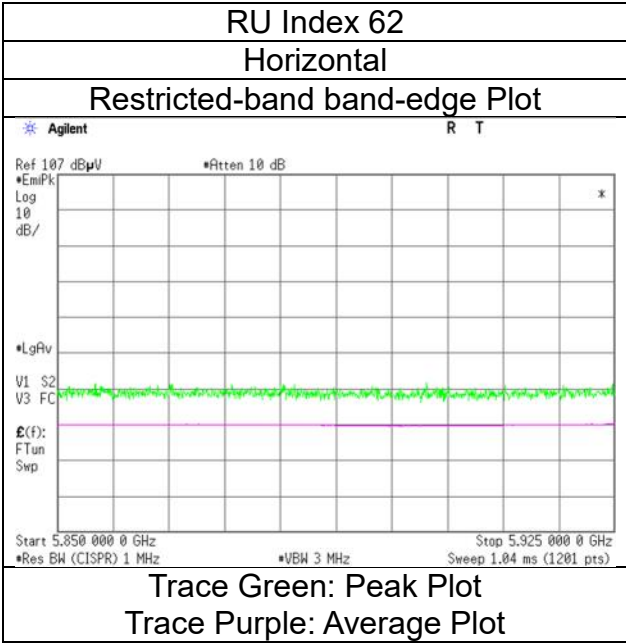
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 8, 2024
Temperature / Humidity	22 deg. C / 28 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ax-40 (OFDMA) 242-tone RU, 5795 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-40 (OFDMA) 484-tone RU, 5795 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	48.73	32.94	17.61	43.39	2.49	58.38	-36.85	27.0	63.8	201	122	-
Hori.	5855.000	PK	48.81	32.95	17.61	43.39	2.49	58.47	-36.76	15.6	52.3	201	122	-
Hori.	5875.000	PK	49.50	32.98	17.64	43.39	2.49	59.22	-36.01	10.0	46.0	201	122	-
Hori.	5925.000	PK	49.53	33.06	17.66	43.38	2.49	59.36	-35.87	-27.0	8.8	201	122	-
Vert.	5850.000	PK	48.22	32.94	17.61	43.39	2.49	57.87	-37.36	27.0	64.3	235	238	-
Vert.	5855.000	PK	48.50	32.95	17.61	43.39	2.49	58.16	-37.07	15.6	52.6	235	238	-
Vert.	5875.000	PK	48.15	32.98	17.64	43.39	2.49	57.87	-37.36	10.0	47.3	235	238	-
Vert.	5925.000	PK	48.60	33.06	17.66	43.38	2.49	58.43	-36.80	-27.0	9.8	235	238	-

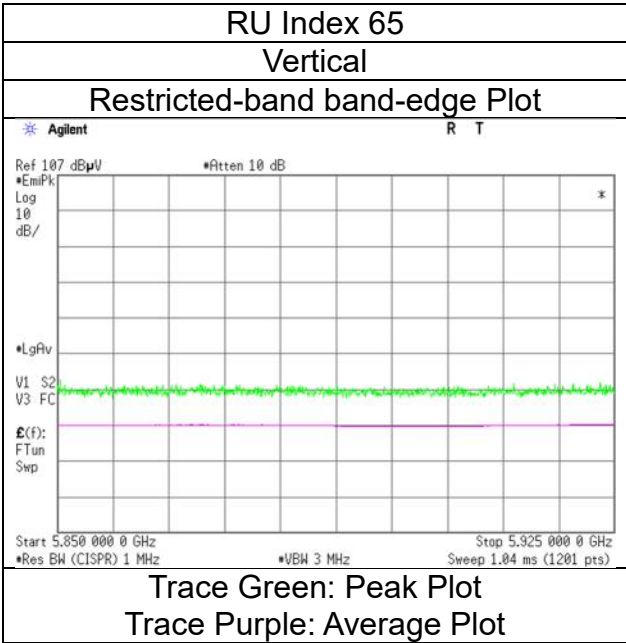
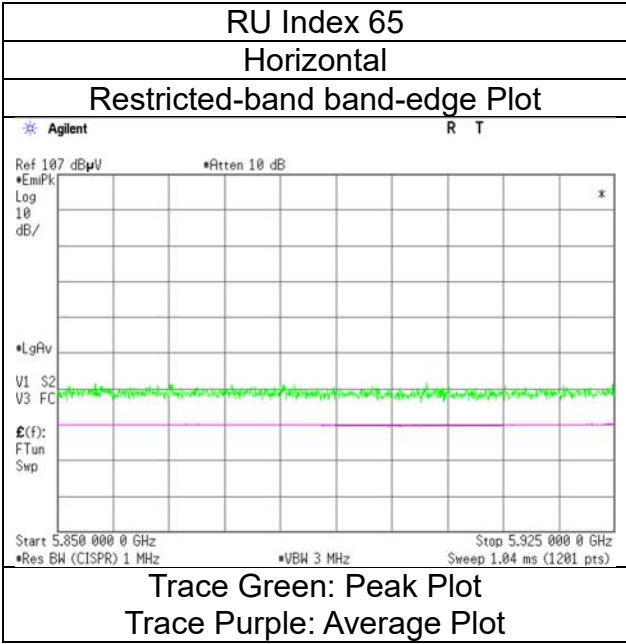
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 9, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-40 (OFDMA) 484-tone RU, 5795 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 5210 MHz With 2M-PHY BT LE 2440 MHz

RU Index 0

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	48.19	32.16	17.18	43.07	2.49	56.95	73.9	16.9	189	125	-
Hori.	5150.000	AV	36.22	32.16	17.18	43.07	2.49	44.98	53.9	8.9	189	125	VBW:10 Hz
Vert.	5150.000	PK	47.84	32.16	17.18	43.07	2.49	56.60	73.9	17.3	245	239	-
Vert.	5150.000	AV	36.16	32.16	17.18	43.07	2.49	44.92	53.9	8.9	245	239	VBW:10 Hz

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

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

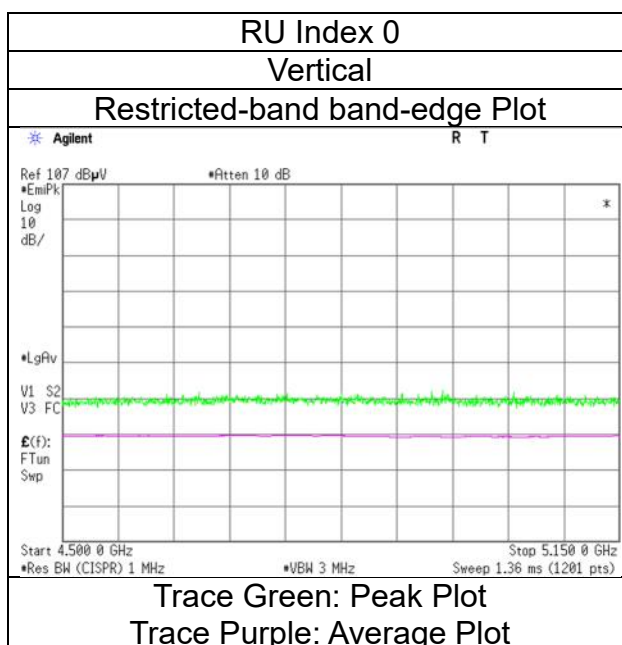
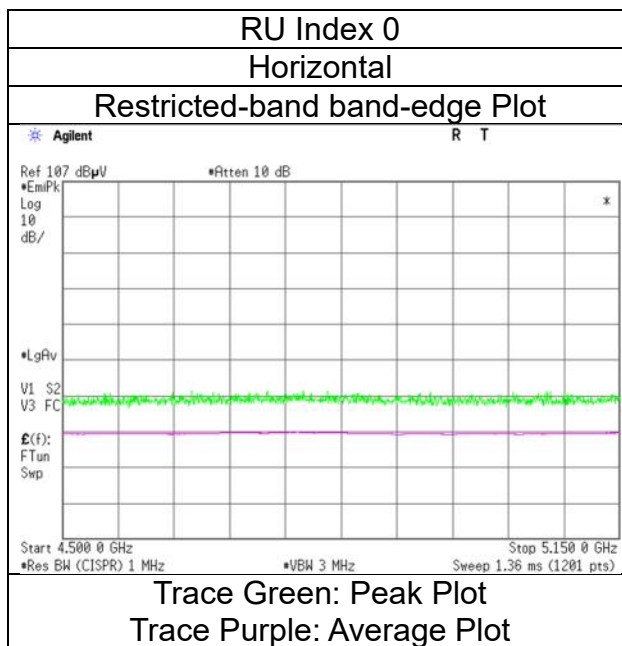
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 9, 2024
22 deg. C / 31 % RH
Akihiro Oda
Tx 11ax-80 (OFDMA) 26-tone RU, 5210 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 5210 MHz With 2M-PHY BT LE 2440 MHz

RU Index 37

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	48.48	32.16	17.18	43.07	2.49	57.24	73.9	16.6	192	126	-
Hori.	5150.000	AV	36.21	32.16	17.18	43.07	2.49	44.97	53.9	8.9	192	126	VBW:10 Hz
Vert.	5150.000	PK	48.63	32.16	17.18	43.07	2.49	57.39	73.9	16.5	242	246	-
Vert.	5150.000	AV	36.22	32.16	17.18	43.07	2.49	44.98	53.9	8.9	242	246	VBW:10 Hz

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

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

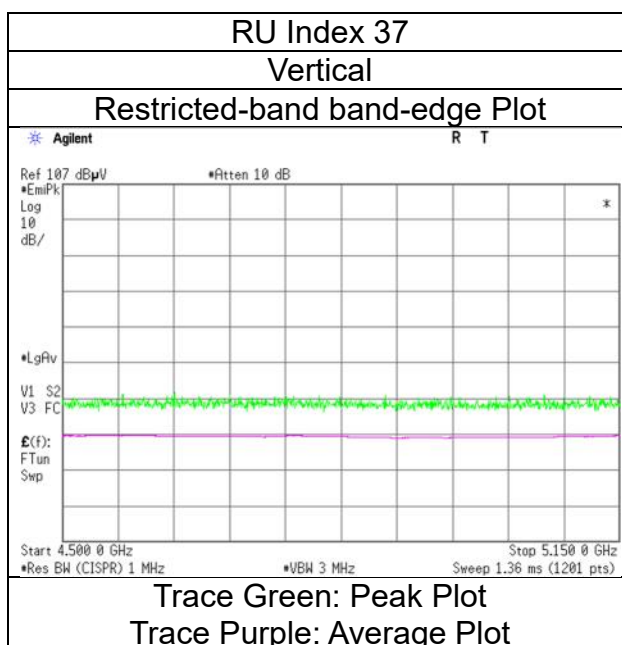
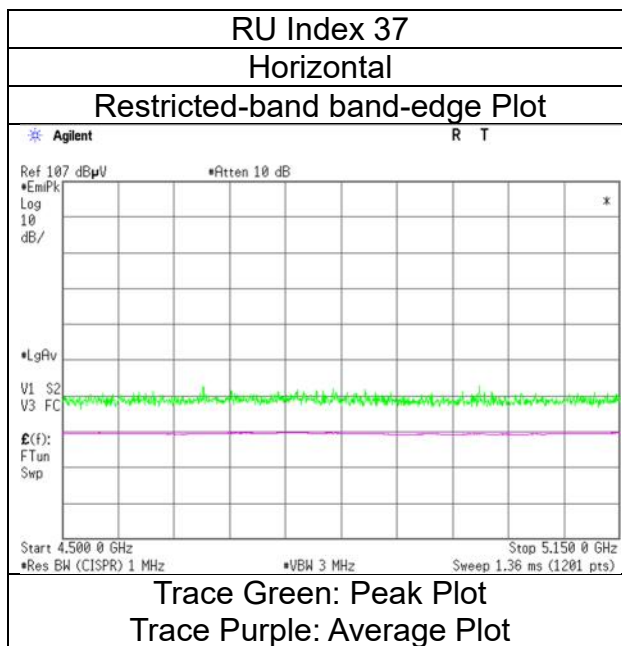
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 9, 2024
22 deg. C / 31 % RH
Akihiro Oda
Tx 11ax-80 (OFDMA) 52-tone RU, 5210 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 5210 MHz With 2M-PHY BT LE 2440 MHz

RU Index 53

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.92	32.16	16.62	44.37	2.49	56.82	73.9	17.0	227	117	-
Hori.	5150.000	AV	39.28	32.16	16.62	44.37	2.49	46.18	53.9	7.7	227	117	VBW:10 Hz
Vert.	5150.000	PK	50.29	32.16	16.62	44.37	2.49	57.19	73.9	16.7	243	247	-
Vert.	5150.000	AV	38.74	32.16	16.62	44.37	2.49	45.64	53.9	8.2	243	247	VBW:10 Hz

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

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

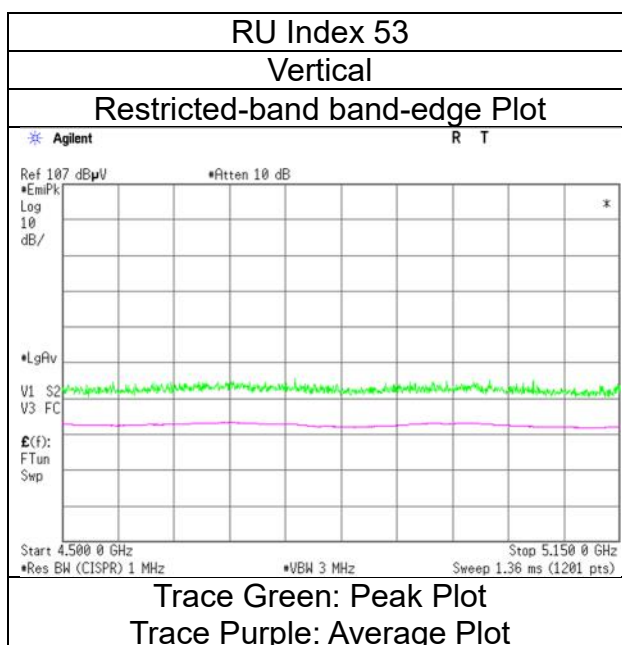
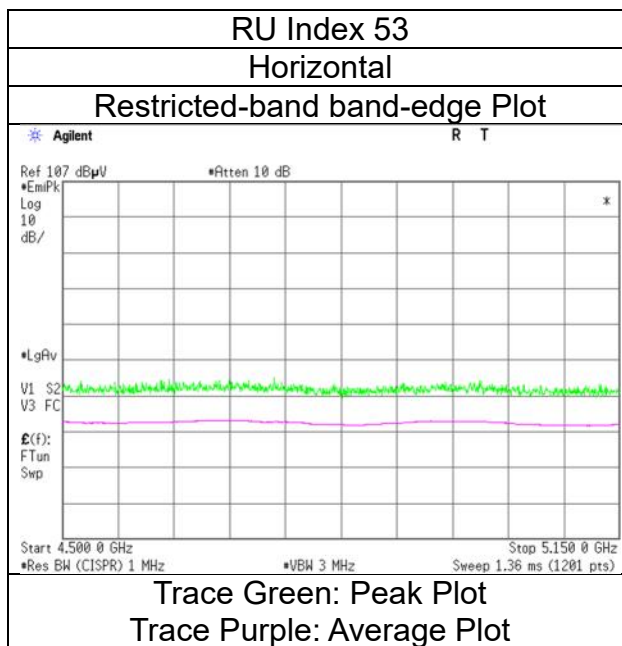
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 11, 2024
22 deg. C / 23 % RH
Takayuki Kobayashi
Tx 11ax-80 (OFDMA) 106-tone RU, 5210 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 242-tone RU, 5210 MHz With 2M-PHY BT LE 2440 MHz

RU Index 61

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	51.17	32.16	16.62	44.37	2.49	58.07	73.9	15.8	183	118	-
Hori.	5150.000	AV	39.46	32.16	16.62	44.37	2.49	46.36	53.9	7.5	183	118	VBW:10 Hz
Vert.	5150.000	PK	49.83	32.16	16.62	44.37	2.49	56.73	73.9	17.1	236	247	-
Vert.	5150.000	AV	38.71	32.16	16.62	44.37	2.49	45.61	53.9	8.2	236	247	VBW:10 Hz

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

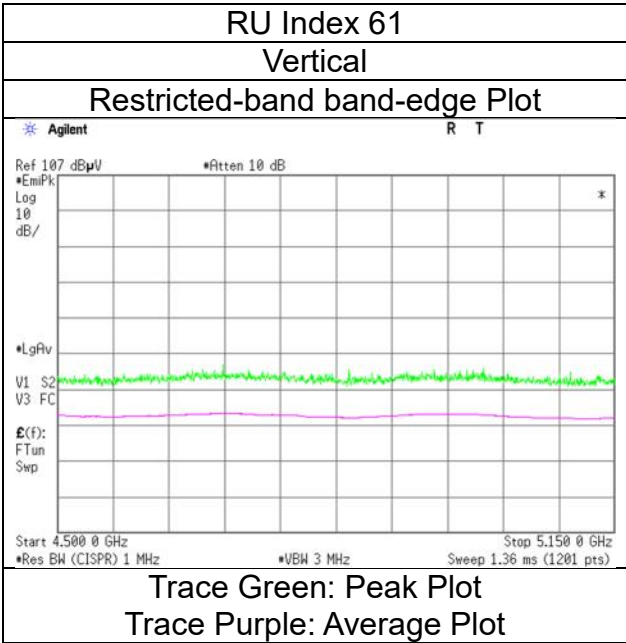
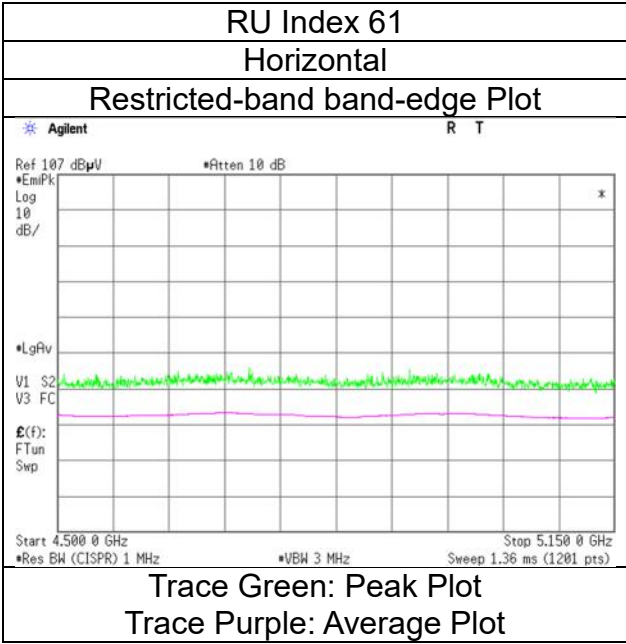
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 242-tone RU, 5210 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 484-tone RU, 5210 MHz With 2M-PHY BT LE 2440 MHz

RU Index 65

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	51.36	32.16	16.62	44.37	2.49	58.26	73.9	15.6	191	117	-
Hori.	5150.000	AV	38.64	32.16	16.62	44.37	2.49	45.54	53.9	8.3	191	117	VBW:10 Hz
Vert.	5150.000	PK	50.83	32.16	16.62	44.37	2.49	57.73	73.9	16.1	253	241	-
Vert.	5150.000	AV	38.76	32.16	16.62	44.37	2.49	45.66	53.9	8.2	253	241	VBW:10 Hz

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

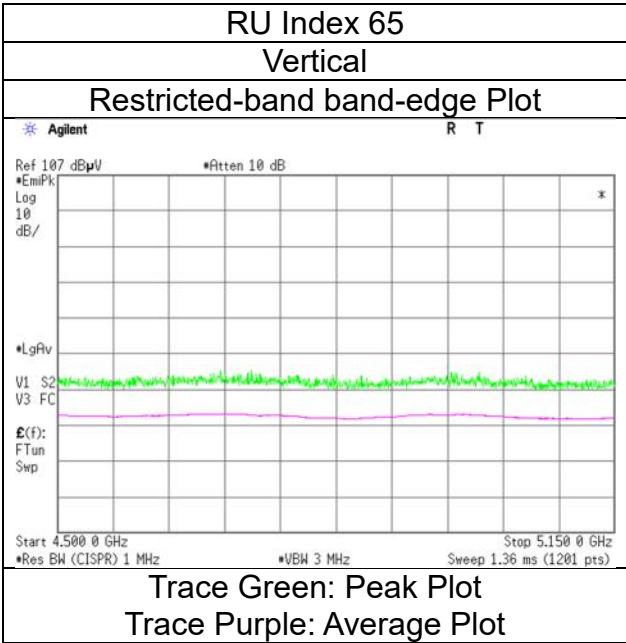
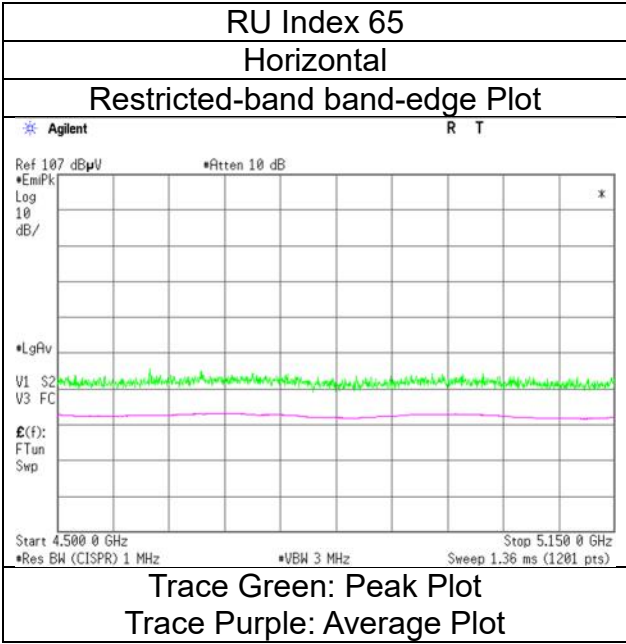
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 484-tone RU, 5210 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 996-tone RU, 5210 MHz With 2M-PHY BT LE 2440 MHz

RU Index 67

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	51.27	32.16	16.62	44.37	2.49	58.17	73.9	15.7	179	119	-
Hori.	5150.000	AV	38.92	32.16	16.62	44.37	2.49	45.82	53.9	8.0	179	119	VBW:1.5 kHz
Vert.	5150.000	PK	50.32	32.16	16.62	44.37	2.49	57.22	73.9	16.6	198	253	-
Vert.	5150.000	AV	39.71	32.16	16.62	44.37	2.49	46.61	53.9	7.2	198	253	VBW:1.5 kHz

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

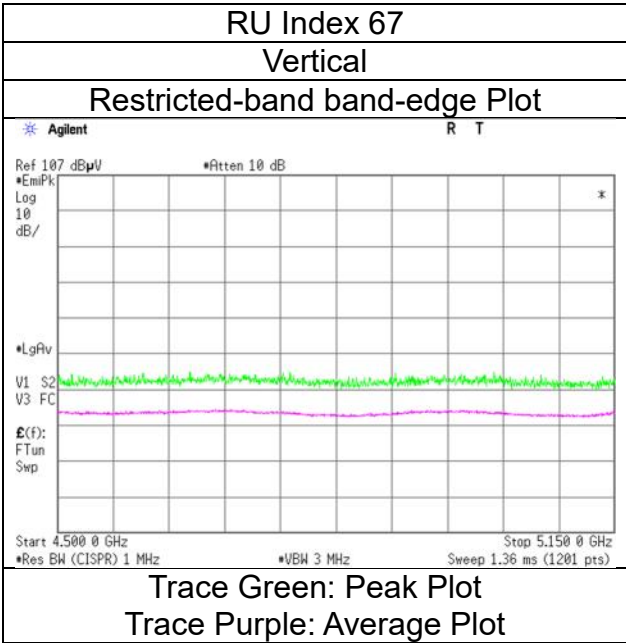
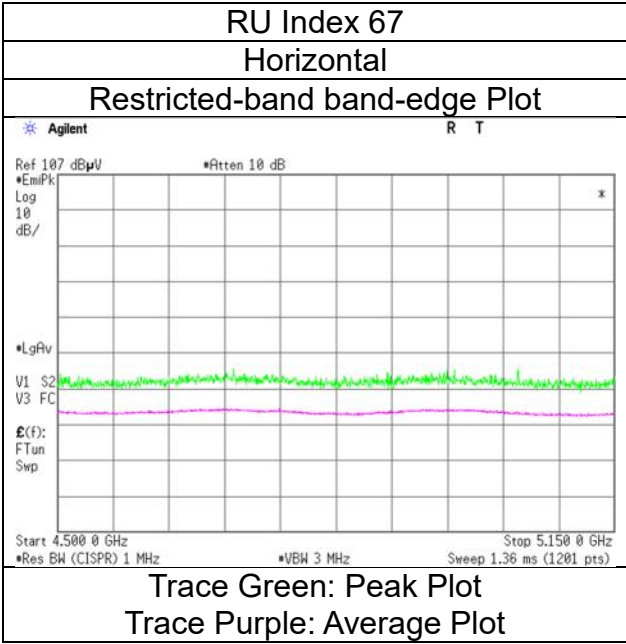
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 996-tone RU, 5210 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 5290 MHz With 2M-PHY BT LE 2440 MHz

RU Index 36

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	48.58	31.98	17.30	43.30	2.49	57.05	73.9	16.8	196	125	-
Hori.	5350.000	AV	36.49	31.98	17.30	43.30	2.49	44.96	53.9	8.9	196	125	VBW:10 Hz
Vert.	5350.000	PK	47.80	31.98	17.30	43.30	2.49	56.27	73.9	17.6	242	251	-
Vert.	5350.000	AV	36.53	31.98	17.30	43.30	2.49	45.00	53.9	8.9	242	251	VBW:10 Hz

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

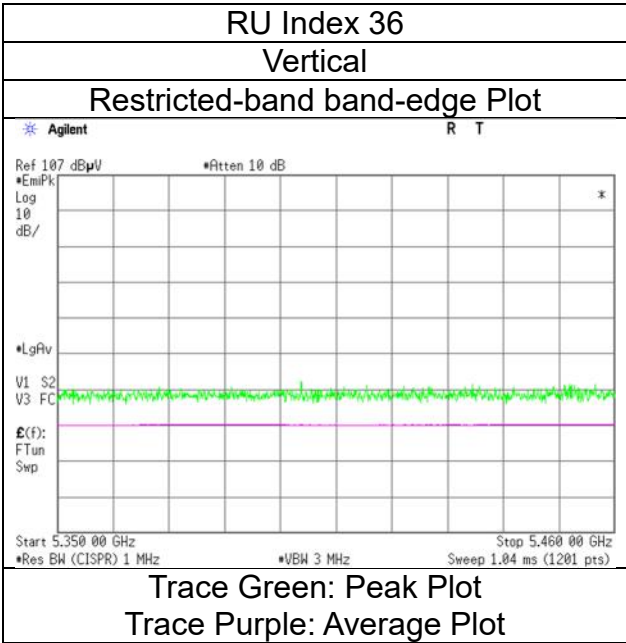
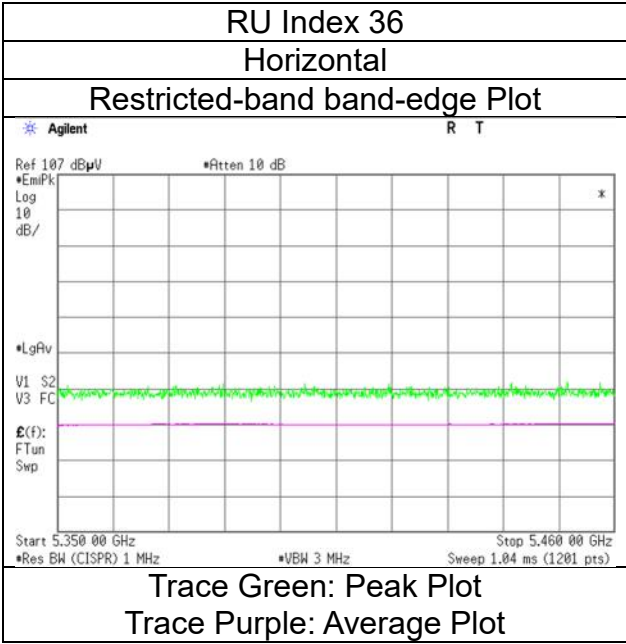
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 9, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-80 (OFDMA) 26-tone RU, 5290 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 5290 MHz With 2M-PHY BT LE 2440 MHz

RU Index 52

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	48.46	31.98	17.30	43.30	2.49	56.93	73.9	16.9	186	127	-
Hori.	5350.000	AV	36.47	31.98	17.30	43.30	2.49	44.94	53.9	8.9	186	127	VBW:10 Hz
Vert.	5350.000	PK	48.62	31.98	17.30	43.30	2.49	57.09	73.9	16.8	238	248	-
Vert.	5350.000	AV	36.57	31.98	17.30	43.30	2.49	45.04	53.9	8.8	238	248	VBW:10 Hz

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

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

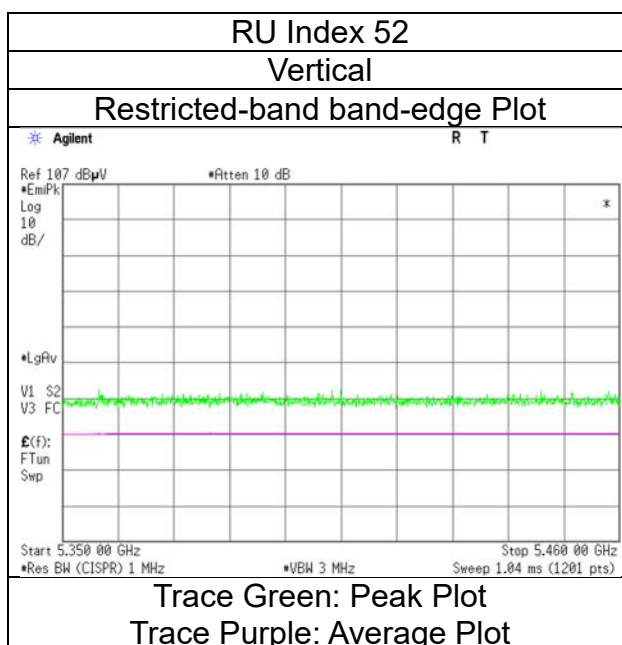
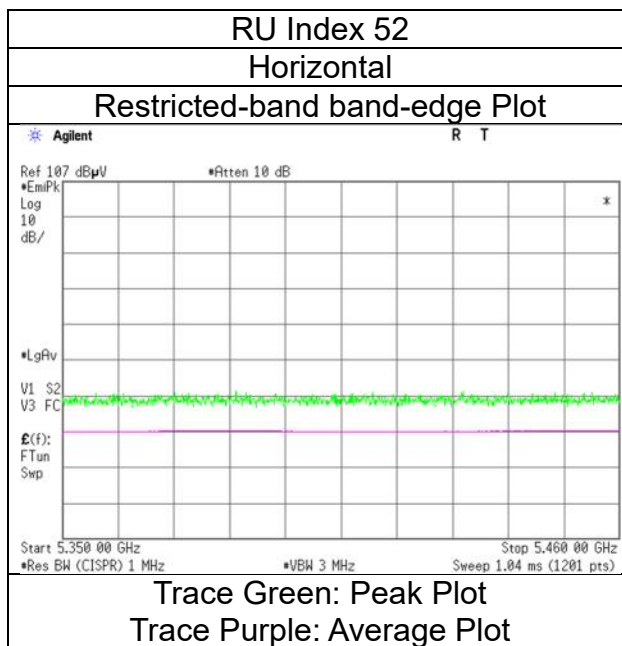
Distance factor : 1 GHz - 10 GHz : $20\log(3.995\text{ m} / 3.0\text{ m}) = 2.49\text{ dB}$

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 9, 2024
22 deg. C / 31 % RH
Akihiro Oda
Tx 11ax-80 (OFDMA) 52-tone RU, 5290 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 5290 MHz With 2M-PHY BT LE 2440 MHz

RU Index 60

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	50.63	31.98	16.74	44.27	2.49	57.57	73.9	16.3	151	124	-
Hori.	5350.000	AV	38.76	31.98	16.74	44.27	2.49	45.70	53.9	8.2	151	124	VBW:10 Hz
Vert.	5350.000	PK	50.15	31.98	16.74	44.27	2.49	57.09	73.9	16.8	238	233	-
Vert.	5350.000	AV	38.84	31.98	16.74	44.27	2.49	45.78	53.9	8.1	238	233	VBW:10 Hz

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

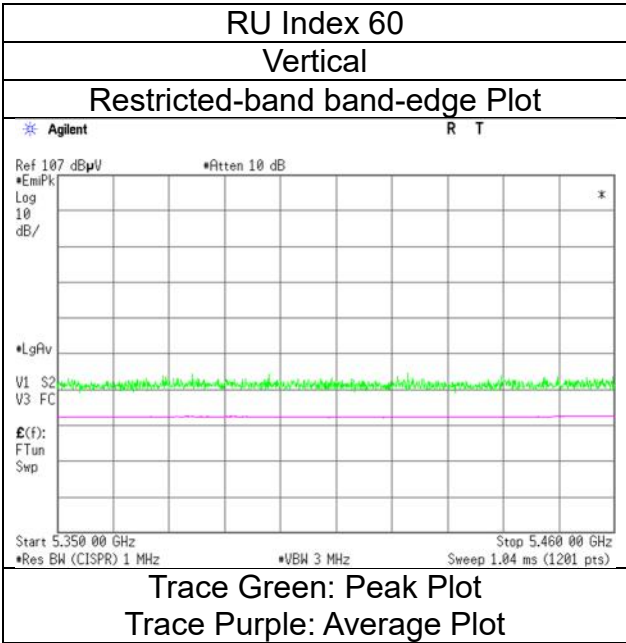
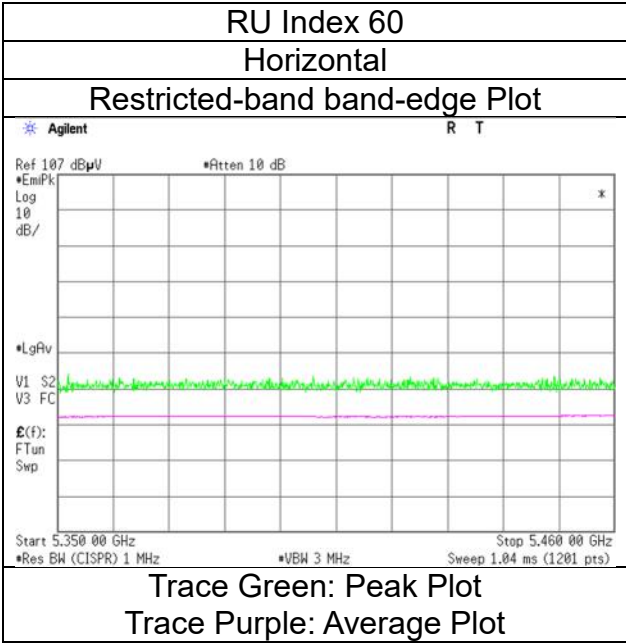
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 106-tone RU, 5290 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 242-tone RU, 5290 MHz With 2M-PHY BT LE 2440 MHz

RU Index 64

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	51.64	31.98	16.74	44.27	2.49	58.58	73.9	15.3	148	121	-
Hori.	5350.000	AV	38.82	31.98	16.74	44.27	2.49	45.76	53.9	8.1	148	121	VBW:10 Hz
Vert.	5350.000	PK	50.57	31.98	16.74	44.27	2.49	57.51	73.9	16.3	223	240	-
Vert.	5350.000	AV	38.84	31.98	16.74	44.27	2.49	45.78	53.9	8.1	223	240	VBW:10 Hz

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

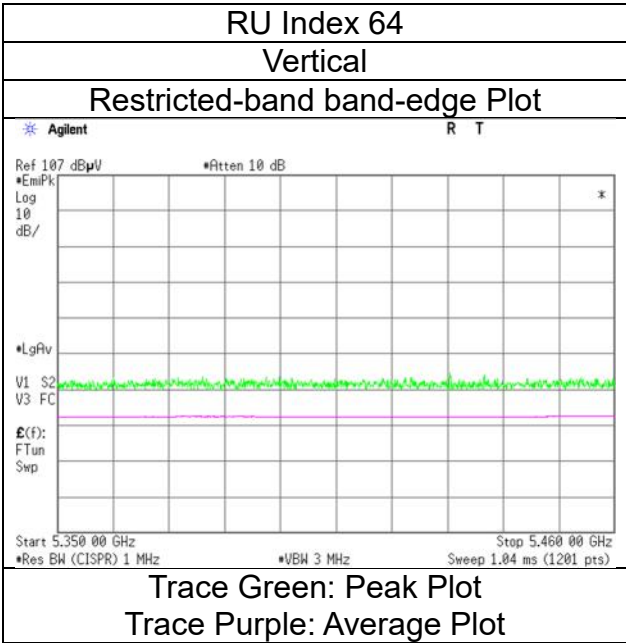
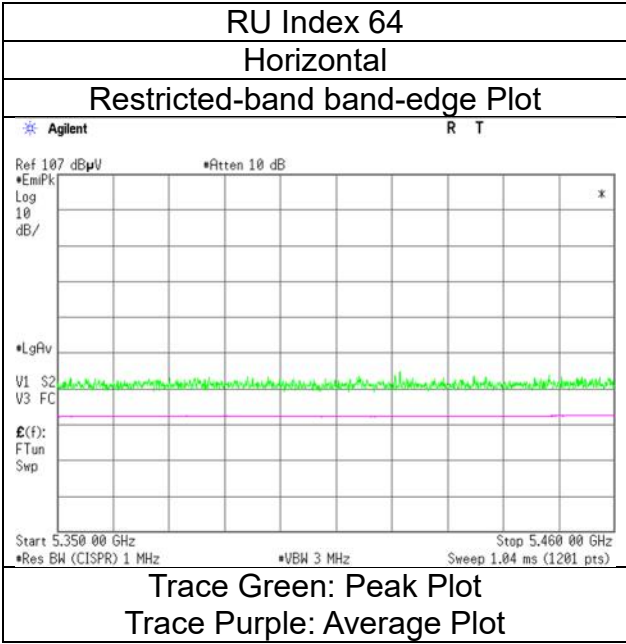
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 242-tone RU, 5290 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 484-tone RU, 5290 MHz With 2M-PHY BT LE 2440 MHz

RU Index 66

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	51.52	31.98	16.74	44.27	2.49	58.46	73.9	15.4	151	122	-
Hori.	5350.000	AV	38.75	31.98	16.74	44.27	2.49	45.69	53.9	8.2	151	122	VBW:10 Hz
Vert.	5350.000	PK	51.24	31.98	16.74	44.27	2.49	58.18	73.9	15.7	214	236	-
Vert.	5350.000	AV	39.08	31.98	16.74	44.27	2.49	46.02	53.9	7.8	214	236	VBW:10 Hz

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

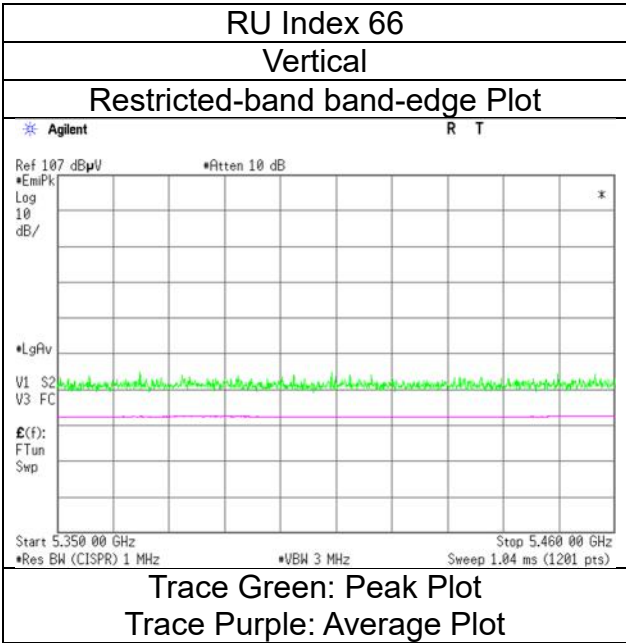
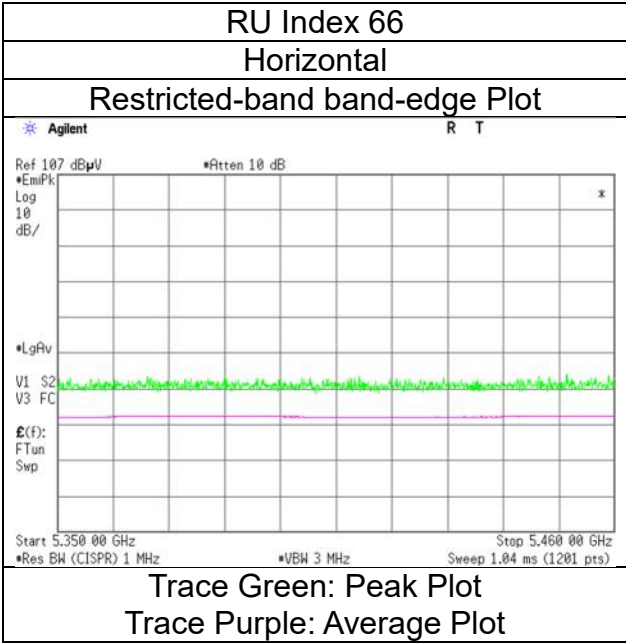
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 484-tone RU, 5290 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 996-tone RU, 5290 MHz With 2M-PHY BT LE 2440 MHz

RU Index 67

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	51.64	31.98	16.74	44.27	2.49	58.58	73.9	15.3	151	121	-
Hori.	5350.000	AV	40.06	31.98	16.74	44.27	2.49	47.00	53.9	6.9	151	121	VBW:1.5 kHz
Vert.	5350.000	PK	49.90	31.98	16.74	44.27	2.49	56.84	73.9	17.0	247	243	-
Vert.	5350.000	AV	39.84	31.98	16.74	44.27	2.49	46.78	53.9	7.1	247	243	VBW:1.5 kHz

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

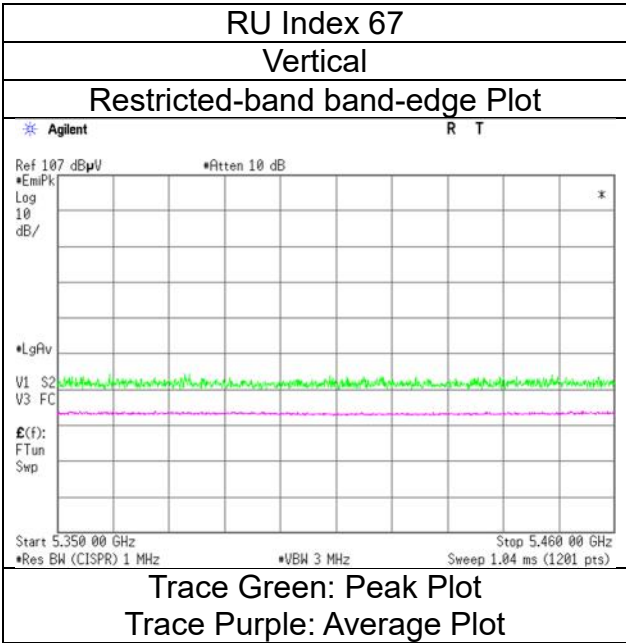
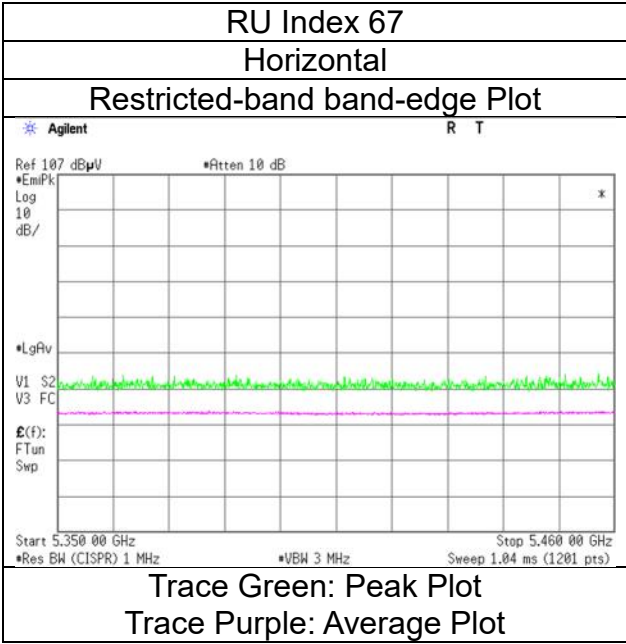
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 996-tone RU, 5290 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 5530 MHz With 2M-PHY BT LE 2440 MHz

RU Index 0

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	49.91	32.24	17.38	43.42	2.49	58.60	73.9	15.3	198	117	-
Hori.	5460.000	AV	36.73	32.24	17.38	43.42	2.49	45.42	53.9	8.4	198	117	VBW:10 Hz
Vert.	5460.000	PK	49.21	32.24	17.38	43.42	2.49	57.90	73.9	16.0	239	235	-
Vert.	5460.000	AV	36.81	32.24	17.38	43.42	2.49	45.50	53.9	8.4	239	235	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	50.08	32.25	17.39	43.44	2.49	58.77	-36.46	-27.0	9.4	198	117	-
Vert.	5470.000	PK	48.16	32.25	17.39	43.44	2.49	56.85	-38.38	-27.0	11.3	239	235	-

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

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

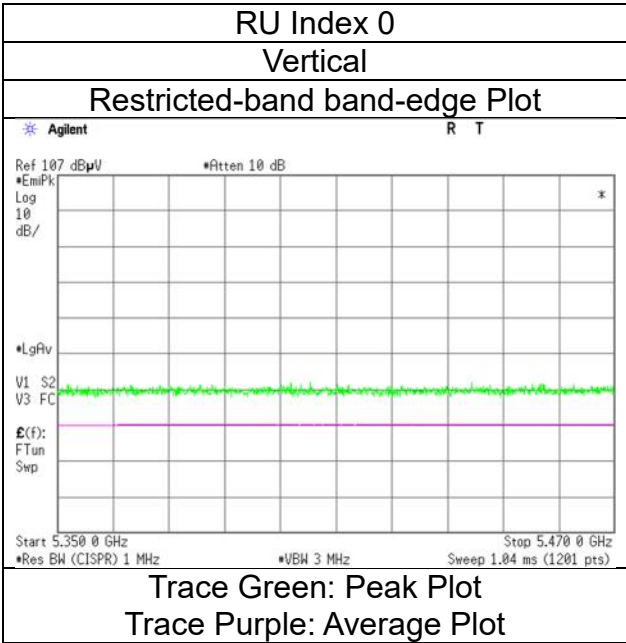
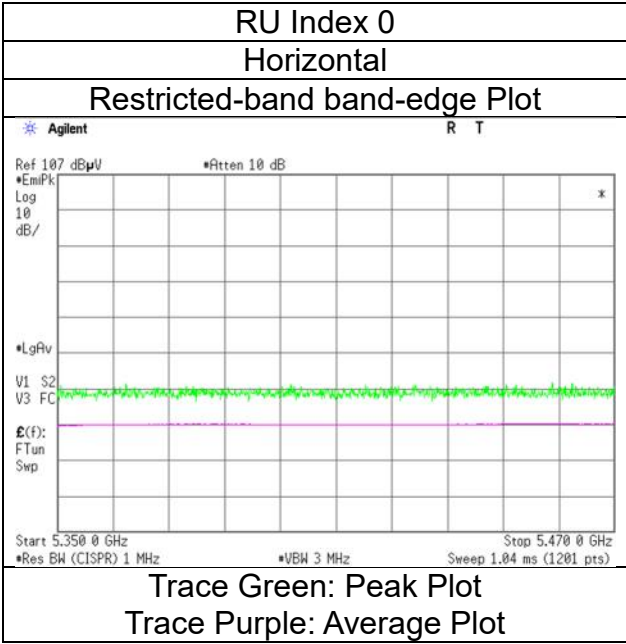
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 9, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-80 (OFDMA) 26-tone RU, 5530 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 5530 MHz With 2M-PHY BT LE 2440 MHz

RU Index 37

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	48.55	32.24	17.38	43.42	2.49	57.24	73.9	16.6	203	119	-
Hori.	5460.000	AV	36.80	32.24	17.38	43.42	2.49	45.49	53.9	8.4	203	119	VBW:10 Hz
Vert.	5460.000	PK	48.89	32.24	17.38	43.42	2.49	57.58	73.9	16.3	234	235	-
Vert.	5460.000	AV	36.87	32.24	17.38	43.42	2.49	45.56	53.9	8.3	234	235	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	49.06	32.25	17.39	43.44	2.49	57.75	-37.48	-27.0	10.4	203	119	-
Vert.	5470.000	PK	48.90	32.25	17.39	43.44	2.49	57.59	-37.64	-27.0	10.6	234	235	-

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

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

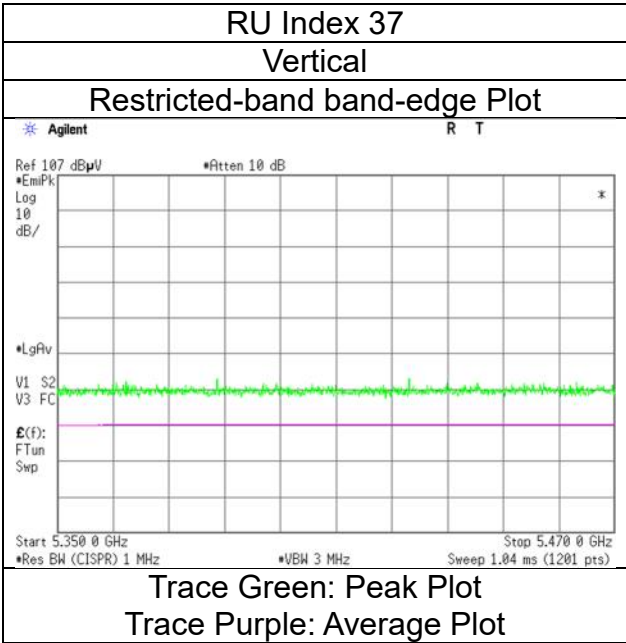
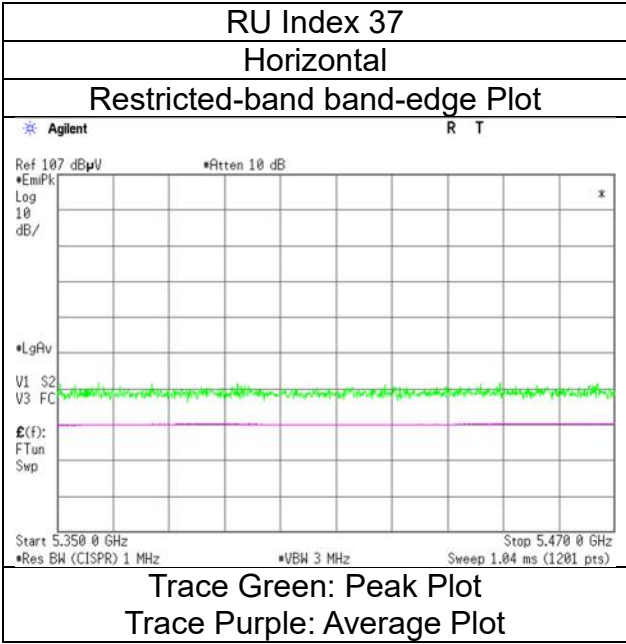
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 9, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-80 (OFDMA) 52-tone RU, 5530 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 5530 MHz With 2M-PHY BT LE 2440 MHz

RU Index 53

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	51.32	32.24	16.82	44.29	2.49	58.58	73.9	15.3	151	121	-
Hori.	5460.000	AV	39.16	32.24	16.82	44.29	2.49	46.42	53.9	7.4	151	121	VBW:10 Hz
Vert.	5460.000	PK	51.26	32.24	16.82	44.29	2.49	58.52	73.9	15.3	208	251	-
Vert.	5460.000	AV	39.16	32.24	16.82	44.29	2.49	46.42	53.9	7.4	208	251	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	50.90	32.25	16.83	44.30	2.49	58.17	-37.06	-27.0	10.0	151	121	-
Vert.	5470.000	PK	51.66	32.25	16.83	44.30	2.49	58.93	-36.30	-27.0	9.3	208	251	-

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

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

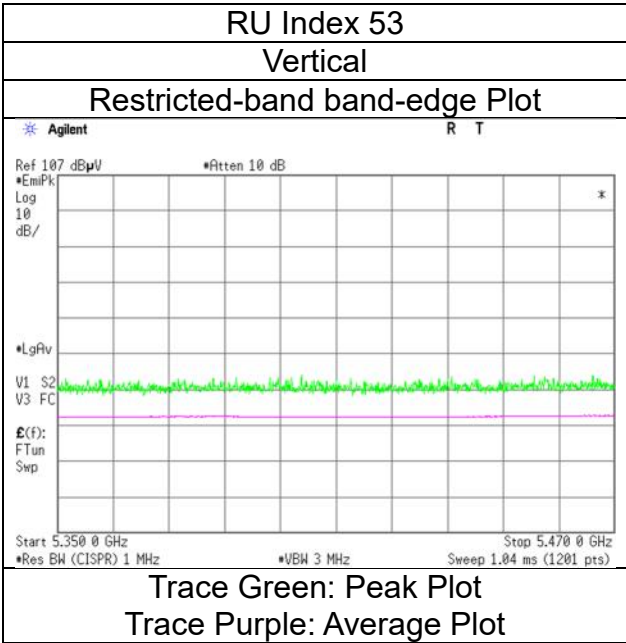
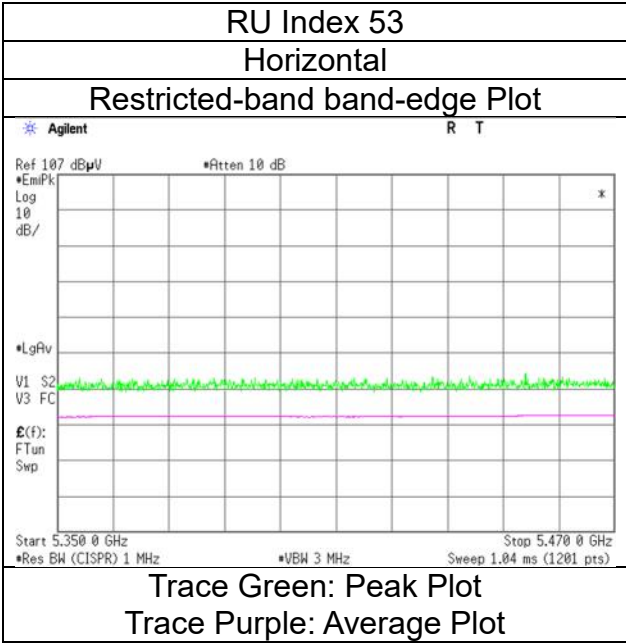
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 106-tone RU, 5530 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 242-tone RU, 5530 MHz With 2M-PHY BT LE 2440 MHz

RU Index 61

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	52.18	32.24	16.82	44.29	2.49	59.44	73.9	14.4	151	122	-
Hori.	5460.000	AV	39.16	32.24	16.82	44.29	2.49	46.42	53.9	7.4	151	122	VBW:10 Hz
Vert.	5460.000	PK	51.45	32.24	16.82	44.29	2.49	58.71	73.9	15.1	234	240	-
Vert.	5460.000	AV	39.12	32.24	16.82	44.29	2.49	46.38	53.9	7.5	234	240	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	52.06	32.25	16.83	44.30	2.49	59.33	-35.90	-27.0	8.9	151	122	-
Vert.	5470.000	PK	51.11	32.25	16.83	44.30	2.49	58.38	-36.85	-27.0	9.8	234	240	-

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

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

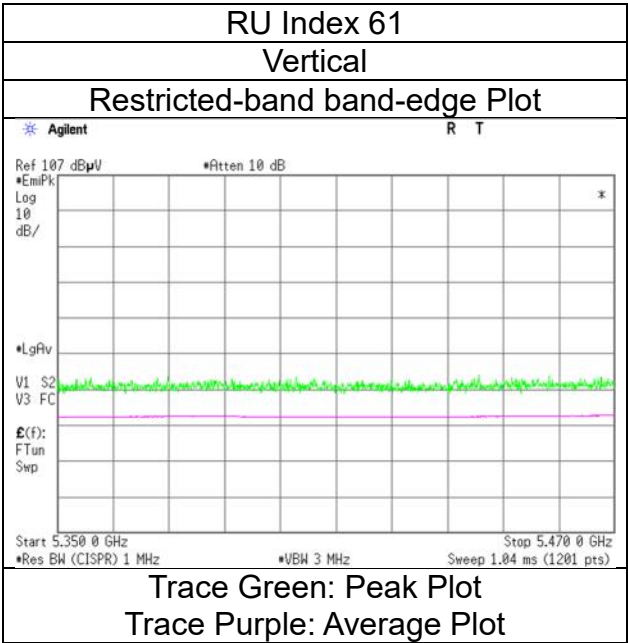
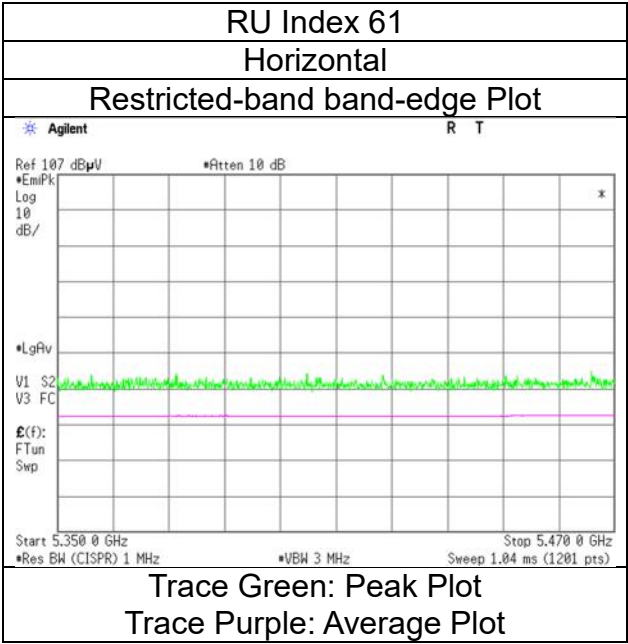
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 242-tone RU, 5530 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 484-tone RU, 5530 MHz With 2M-PHY BT LE 2440 MHz

RU Index 65

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	51.57	32.24	16.82	44.29	2.49	58.83	73.9	15.0	154	121	-
Hori.	5460.000	AV	39.15	32.24	16.82	44.29	2.49	46.41	53.9	7.4	154	121	VBW:10 Hz
Vert.	5460.000	PK	50.82	32.24	16.82	44.29	2.49	58.08	73.9	15.8	225	238	-
Vert.	5460.000	AV	39.38	32.24	16.82	44.29	2.49	46.64	53.9	7.2	225	238	VBW:10 Hz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	52.73	32.25	16.83	44.30	2.49	60.00	-35.23	-27.0	8.2	154	121	-
Vert.	5470.000	PK	52.18	32.25	16.83	44.30	2.49	59.45	-35.78	-27.0	8.7	225	238	-

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

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

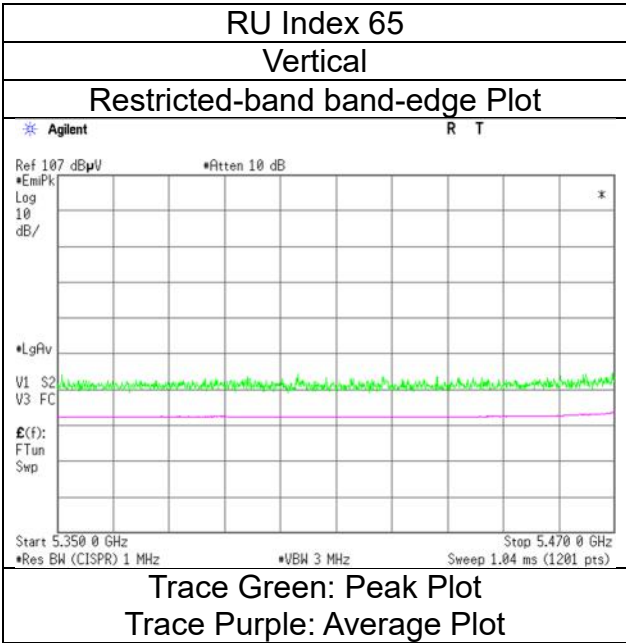
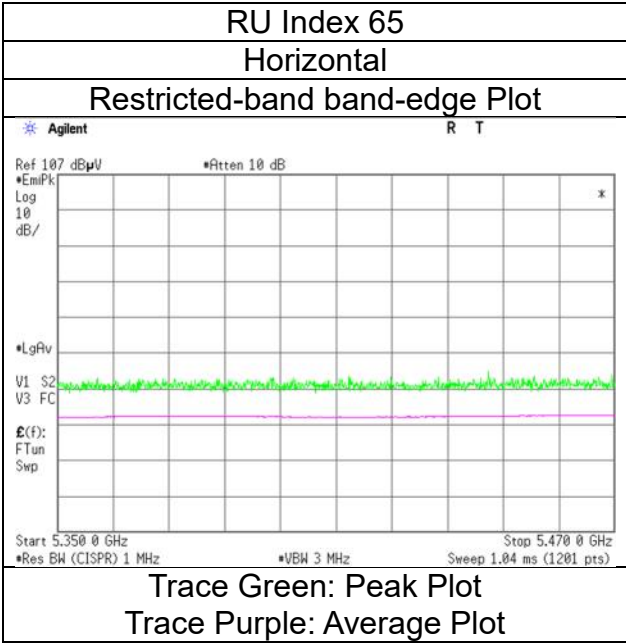
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 484-tone RU, 5530 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 996-tone RU, 5530 MHz With 2M-PHY BT LE 2440 MHz

RU Index 67

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	52.37	32.24	16.82	44.29	2.49	59.63	73.9	14.2	151	122	-
Hori.	5460.000	AV	40.79	32.24	16.82	44.29	2.49	48.05	53.9	5.8	151	122	VBW:1.5 kHz
Vert.	5460.000	PK	50.97	32.24	16.82	44.29	2.49	58.23	73.9	15.6	208	245	-
Vert.	5460.000	AV	40.92	32.24	16.82	44.29	2.49	48.18	53.9	5.7	208	245	VBW:1.5 kHz

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

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

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

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

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	52.40	32.25	16.83	44.30	2.49	59.67	-35.56	-27.0	8.5	151	122	-
Vert.	5470.000	PK	51.26	32.25	16.83	44.30	2.49	58.53	-36.70	-27.0	9.7	208	245	-

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

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

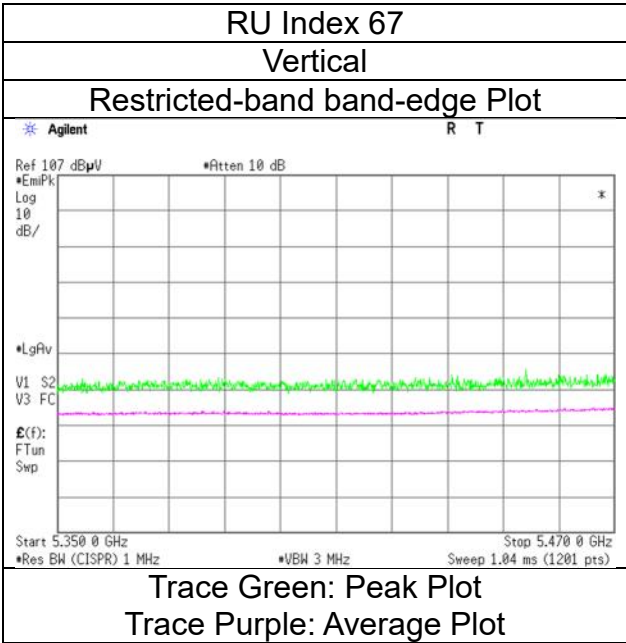
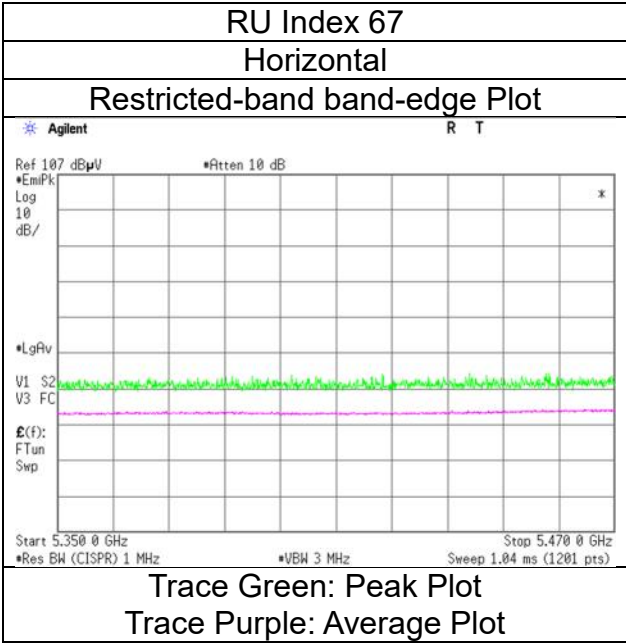
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 996-tone RU, 5530 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 5610 MHz With 2M-PHY BT LE 2440 MHz

RU Index 36

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	48.01	32.63	17.53	43.42	2.49	57.24	-37.99	-27.0	10.9	201	120	-
Vert.	5725.000	PK	47.25	32.63	17.53	43.42	2.49	56.48	-38.75	-27.0	11.7	100	0	-

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

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

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

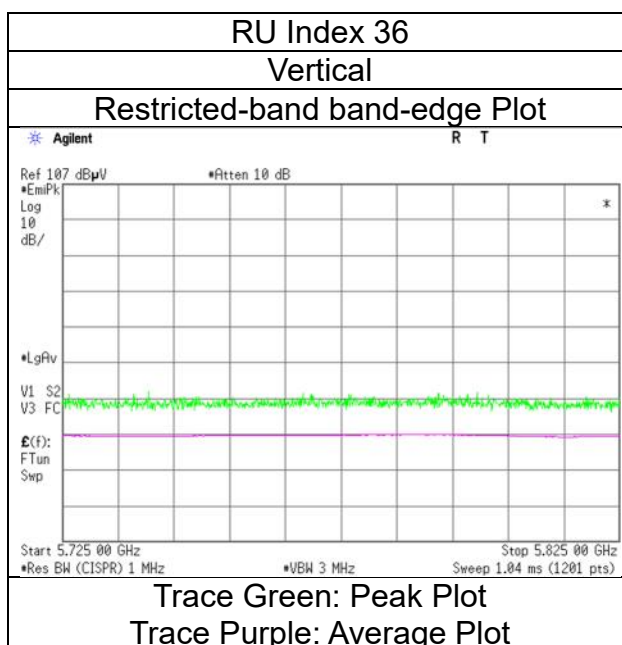
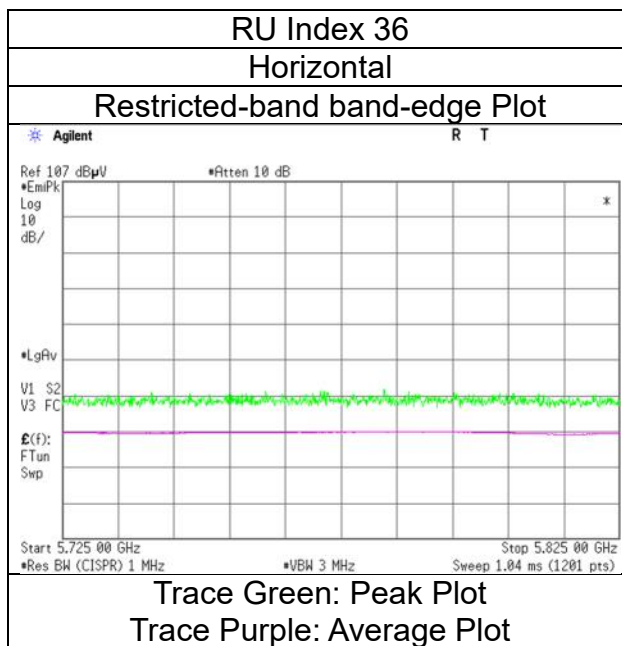
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 9, 2024
22 deg. C / 31 % RH
Akihiro Oda
Tx 11ax-80 (OFDMA) 26-tone RU, 5610 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 5610 MHz With 2M-PHY BT LE 2440 MHz

RU Index 52

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	48.88	32.63	17.53	43.42	2.49	58.11	-37.12	-27.0	10.1	199	118	-
Vert.	5725.000	PK	47.95	32.63	17.53	43.42	2.49	57.18	-38.05	-27.0	11.0	217	237	-

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

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

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

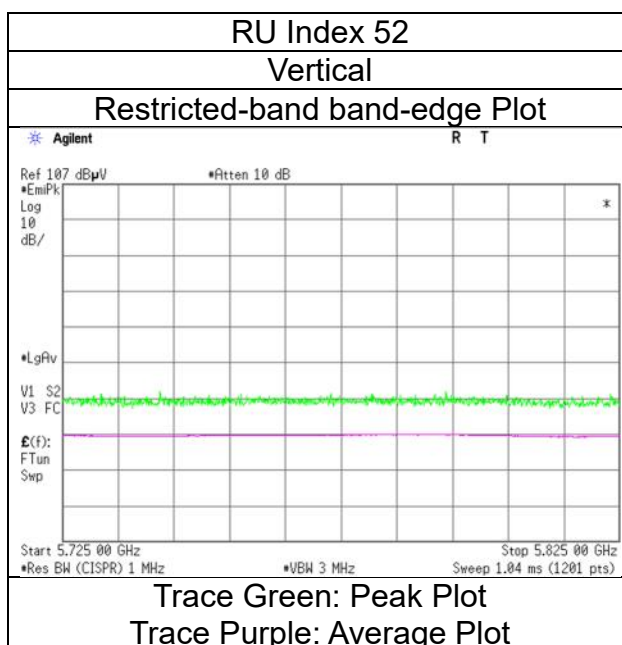
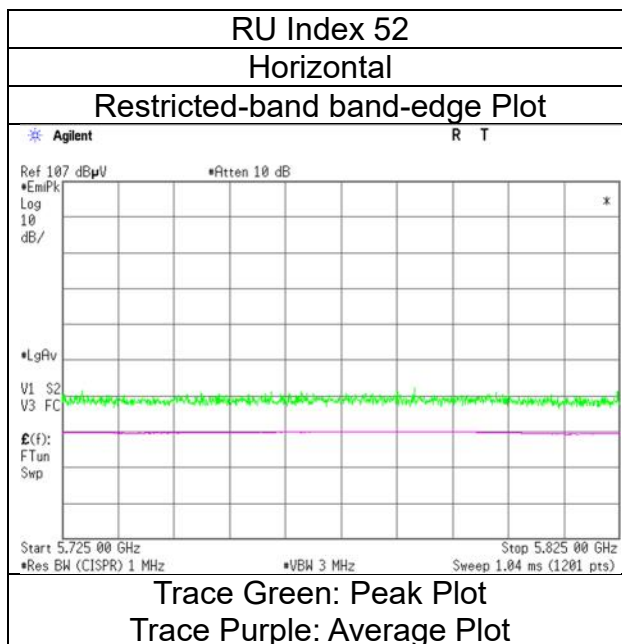
Distance factor : 1 GHz - 10 GHz : 20log (3.995 m / 3.0 m) = 2.49 dB

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

Radiated Spurious Emission

Test place
Semi Anechoic Chamber
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab.
SAC 3
January 9, 2024
22 deg. C / 31 % RH
Akihiro Oda
Tx 11ax-80 (OFDMA) 52-tone RU, 5610 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 5610 MHz With 2M-PHY BT LE 2440 MHz

RU Index 60

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	51.00	32.63	16.97	44.33	2.49	58.76	-36.47	-27.0	9.4	192	119	-
Vert.	5725.000	PK	50.82	32.63	16.97	44.33	2.49	58.58	-36.65	-27.0	9.6	217	240	-

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

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

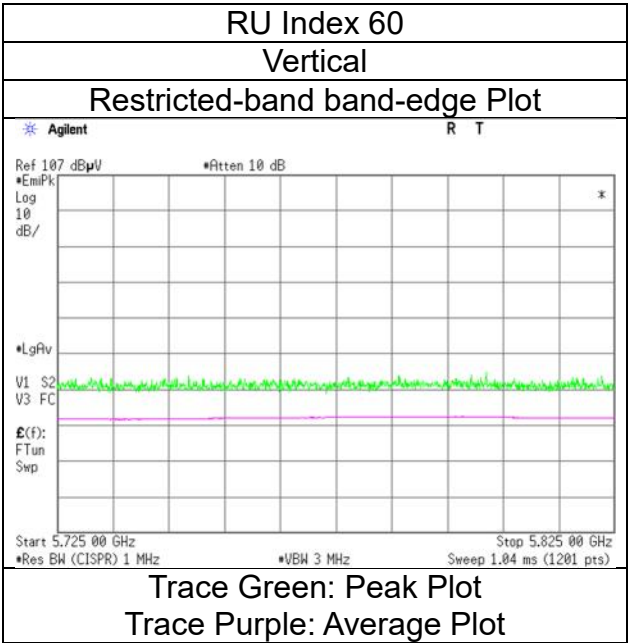
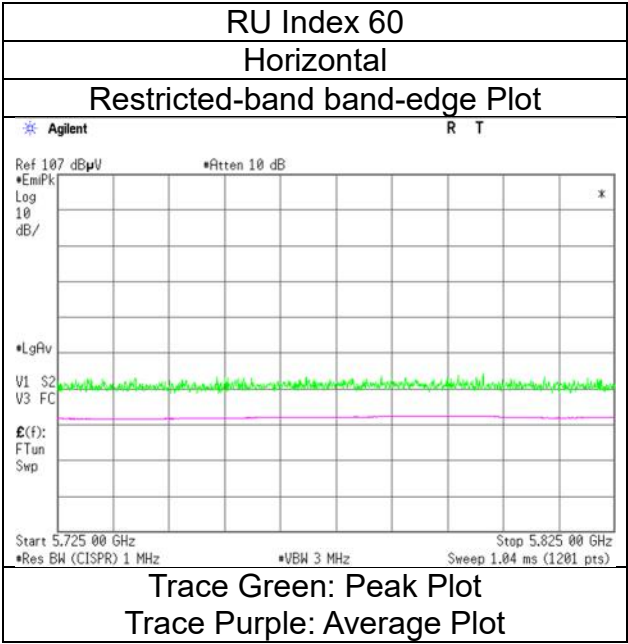
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 106-tone RU, 5610 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 242-tone RU, 5610 MHz With 2M-PHY BT LE 2440 MHz

RU Index 64

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	50.06	32.63	16.97	44.33	2.49	57.82	-37.41	-27.0	10.4	188	117	-
Vert.	5725.000	PK	50.04	32.63	16.97	44.33	2.49	57.80	-37.43	-27.0	10.4	235	243	-

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

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

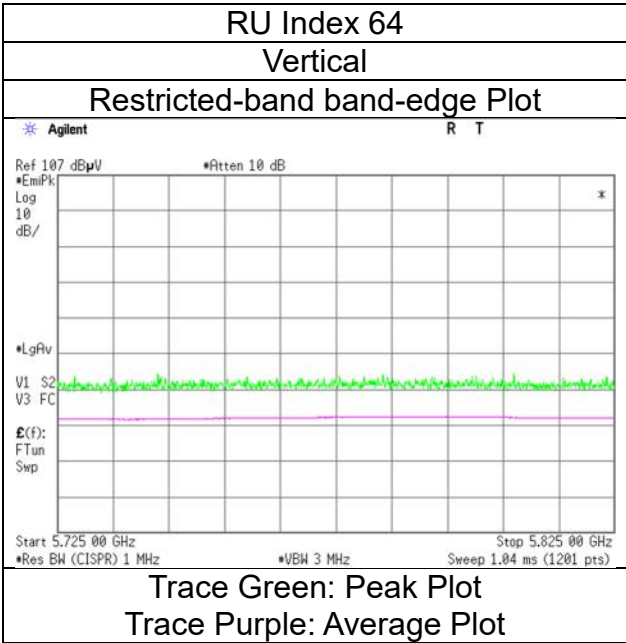
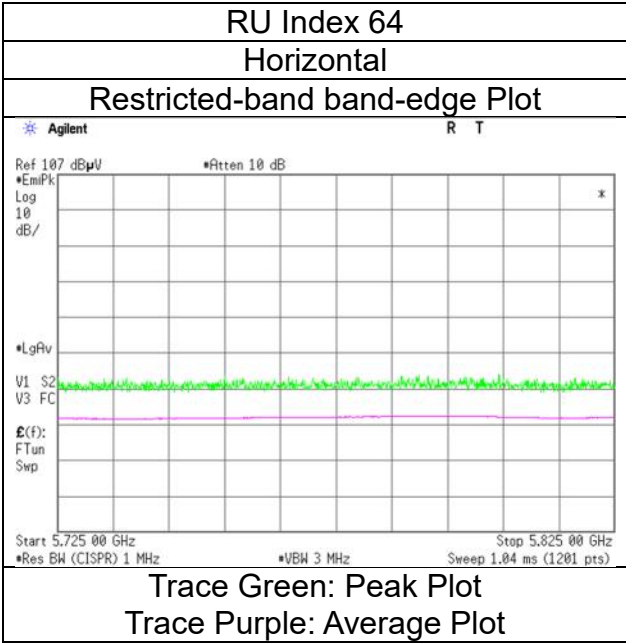
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 242-tone RU, 5610 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 484-tone RU, 5610 MHz With 2M-PHY BT LE 2440 MHz

RU Index 66

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	51.32	32.63	16.97	44.33	2.49	59.08	-36.15	-27.0	9.1	193	118	-
Vert.	5725.000	PK	50.65	32.63	16.97	44.33	2.49	58.41	-36.82	-27.0	9.8	230	258	-

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

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

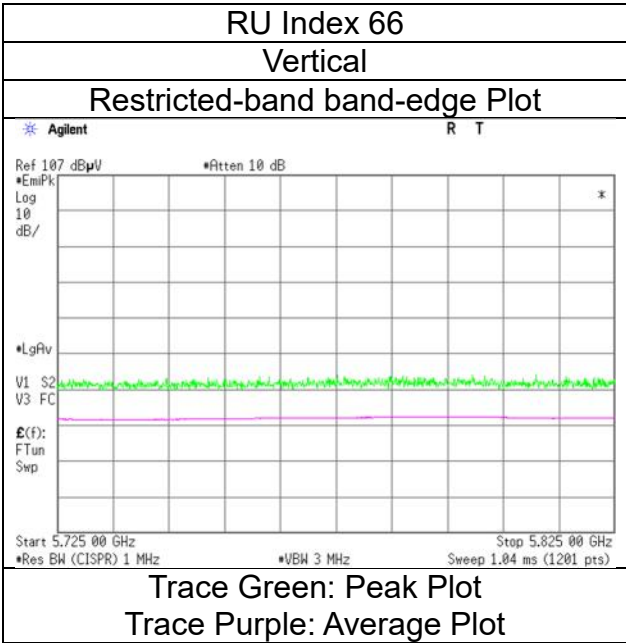
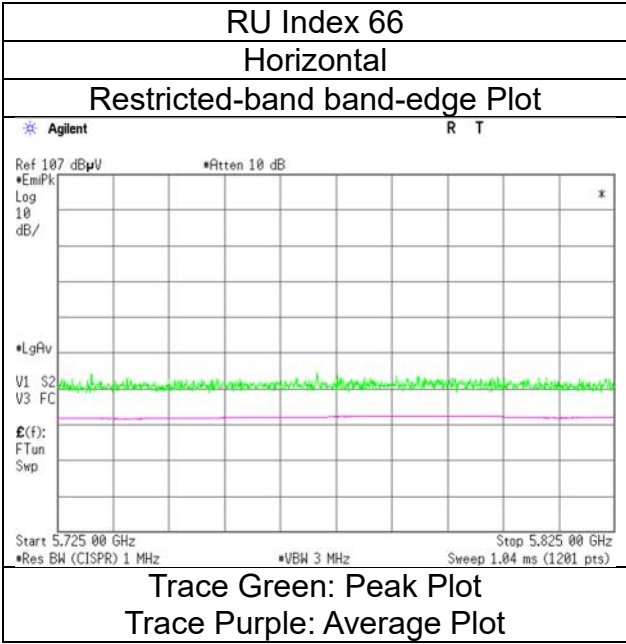
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 484-tone RU, 5610 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 996-tone RU, 5610 MHz With 2M-PHY BT LE 2440 MHz

RU Index 67

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	51.43	32.63	16.97	44.33	2.49	59.19	-36.04	-27.0	9.0	175	121	-
Vert.	5725.000	PK	50.18	32.63	16.97	44.33	2.49	57.94	-37.29	-27.0	10.2	227	239	-

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

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

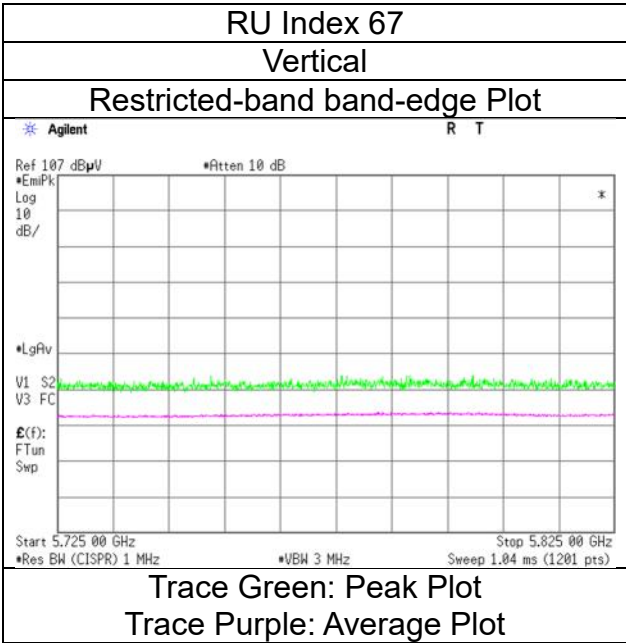
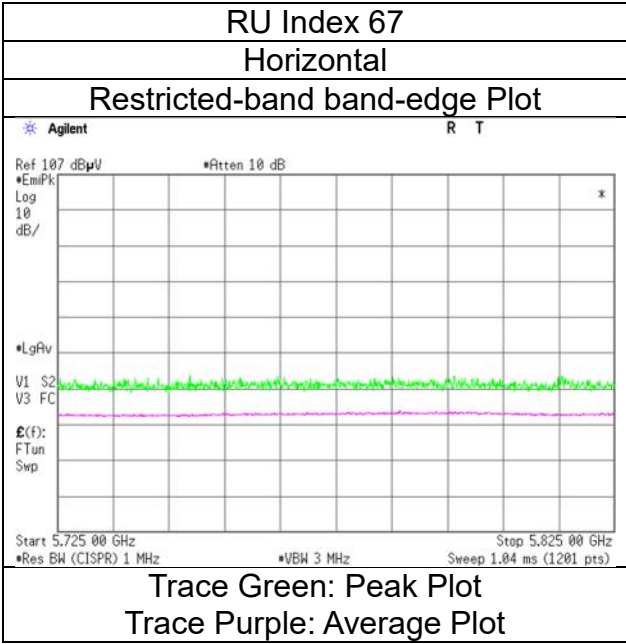
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 11, 2024
Temperature / Humidity	22 deg. C / 23 % RH
Engineer	Takayuki Kobayashi
Mode	Tx 11ax-80 (OFDMA) 996-tone RU, 5610 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 26-tone RU, 5775 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	48.62	32.44	17.50	43.44	2.49	57.61	-37.62	-27.0	10.6	197	121	-
Hori.	5700.000	PK	48.92	32.56	17.52	43.43	2.49	58.06	-37.17	10.0	47.1	197	121	-
Hori.	5720.000	PK	49.29	32.61	17.53	43.42	2.49	58.50	-36.73	15.6	52.3	197	121	-
Hori.	5725.000	PK	49.05	32.63	17.53	43.42	2.49	58.28	-36.95	27.0	63.9	197	121	-
Vert.	5650.000	PK	47.75	32.44	17.50	43.44	2.49	56.74	-38.49	-27.0	11.4	217	232	-
Vert.	5700.000	PK	48.57	32.56	17.52	43.43	2.49	57.71	-37.52	10.0	47.5	217	232	-
Vert.	5720.000	PK	47.74	32.61	17.53	43.42	2.49	56.95	-38.28	15.6	53.8	217	232	-
Vert.	5725.000	PK	48.16	32.63	17.53	43.42	2.49	57.39	-37.84	27.0	64.8	217	232	-

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

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

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

RU Index 36

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	48.02	32.94	17.61	43.39	2.49	57.67	-37.56	27.0	64.5	198	126	-
Hori.	5855.000	PK	48.57	32.95	17.61	43.39	2.49	58.23	-37.00	15.6	52.6	198	126	-
Hori.	5875.000	PK	48.77	32.98	17.64	43.39	2.49	58.49	-36.74	10.0	46.7	198	126	-
Hori.	5925.000	PK	48.92	33.06	17.66	43.38	2.49	58.75	-36.48	-27.0	9.4	198	126	-
Vert.	5850.000	PK	47.75	32.94	17.61	43.39	2.49	57.40	-37.83	27.0	64.8	227	216	-
Vert.	5855.000	PK	48.86	32.95	17.61	43.39	2.49	58.52	-36.71	15.6	52.3	227	216	-
Vert.	5875.000	PK	48.26	32.98	17.64	43.39	2.49	57.98	-37.25	10.0	47.2	227	216	-
Vert.	5925.000	PK	48.69	33.06	17.66	43.38	2.49	58.52	-36.71	-27.0	9.7	227	216	-

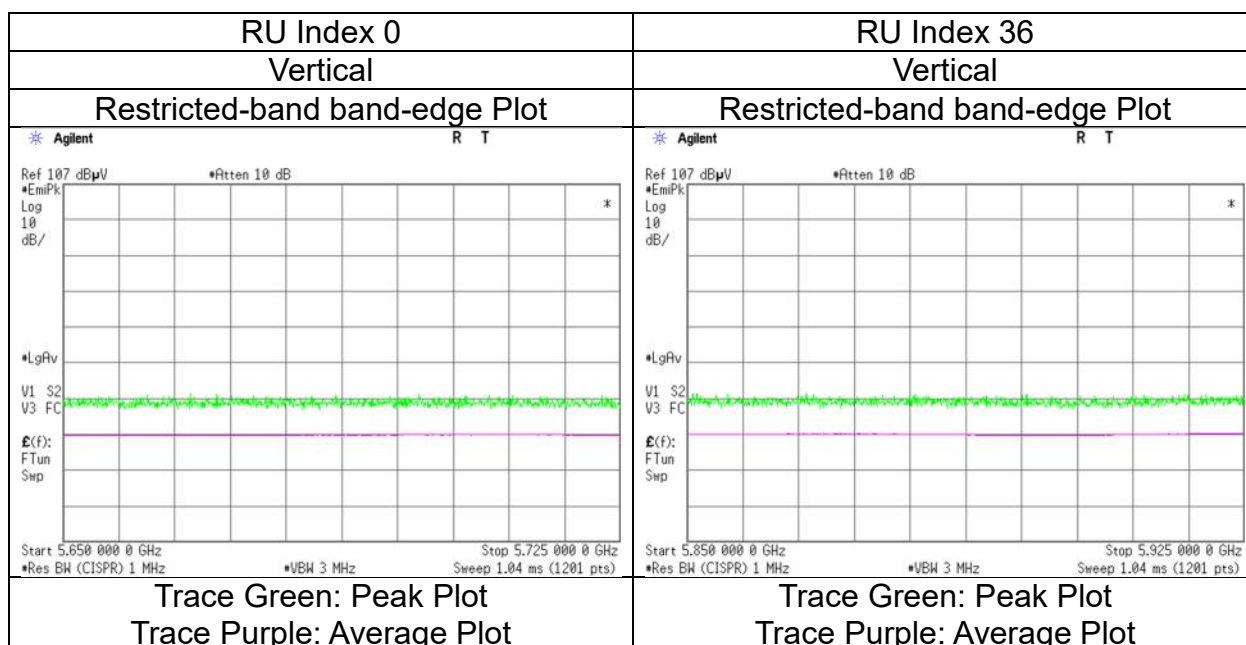
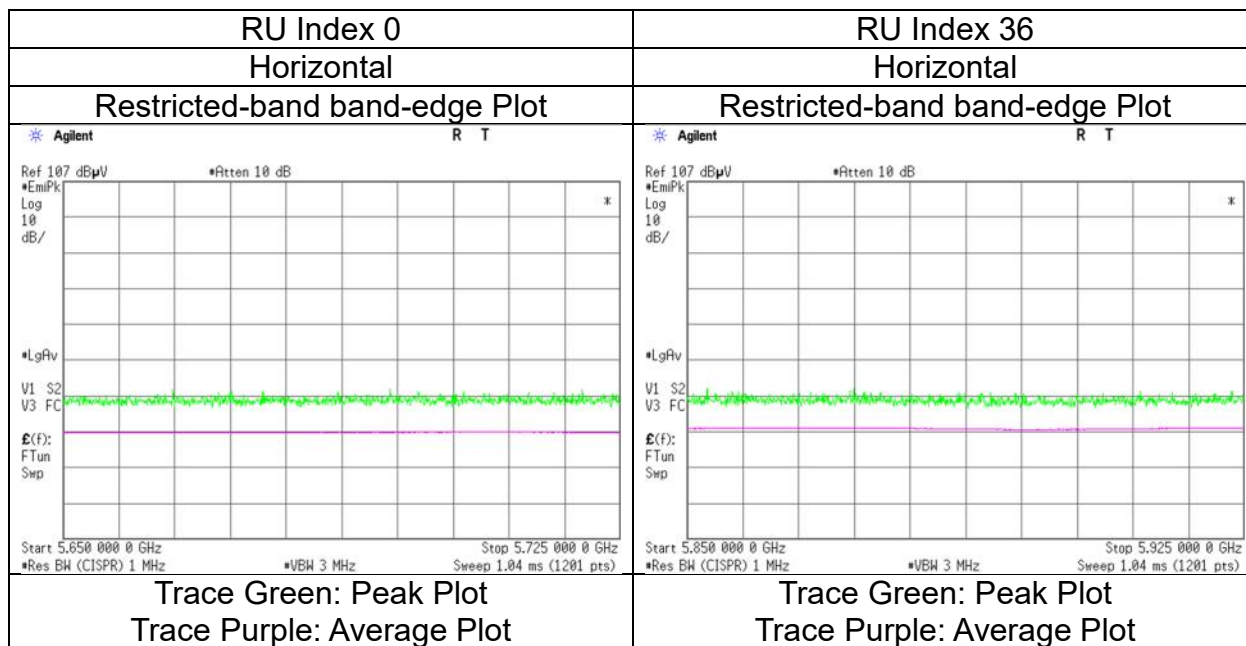
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 9, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-80 (OFDMA) 26-tone RU, 5775 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 9, 2024
Temperature / Humidity 22 deg. C / 31 % RH
Engineer Akihiro Oda
(1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 52-tone RU, 5775 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	48.75	32.44	17.50	43.44	2.49	57.74	-37.49	-27.0	10.4	190	123	-
Hori.	5700.000	PK	49.00	32.56	17.52	43.43	2.49	58.14	-37.09	10.0	47.0	190	123	-
Hori.	5720.000	PK	48.45	32.61	17.53	43.42	2.49	57.66	-37.57	15.6	53.1	190	123	-
Hori.	5725.000	PK	48.50	32.63	17.53	43.42	2.49	57.73	-37.50	27.0	64.5	190	123	-
Vert.	5650.000	PK	48.12	32.44	17.50	43.44	2.49	57.11	-38.12	-27.0	11.1	220	258	-
Vert.	5700.000	PK	47.68	32.56	17.52	43.43	2.49	56.82	-38.41	10.0	48.4	220	258	-
Vert.	5720.000	PK	47.84	32.61	17.53	43.42	2.49	57.05	-38.18	15.6	53.7	220	258	-
Vert.	5725.000	PK	47.84	32.63	17.53	43.42	2.49	57.07	-38.16	27.0	65.1	220	258	-

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

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

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

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

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

RU Index 52

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	48.56	32.94	17.61	43.39	2.49	58.21	-37.02	27.0	64.0	198	125	-
Hori.	5855.000	PK	48.57	32.95	17.61	43.39	2.49	58.23	-37.00	15.6	52.6	198	125	-
Hori.	5875.000	PK	48.53	32.98	17.64	43.39	2.49	58.25	-36.98	10.0	46.9	198	125	-
Hori.	5925.000	PK	49.03	33.06	17.66	43.38	2.49	58.86	-36.37	-27.0	9.3	198	125	-
Vert.	5850.000	PK	48.79	32.94	17.61	43.39	2.49	58.44	-36.79	27.0	63.7	230	216	-
Vert.	5855.000	PK	48.58	32.95	17.61	43.39	2.49	58.24	-36.99	15.6	52.5	230	216	-
Vert.	5875.000	PK	48.05	32.98	17.64	43.39	2.49	57.77	-37.46	10.0	47.4	230	216	-
Vert.	5925.000	PK	48.60	33.06	17.66	43.38	2.49	58.43	-36.80	-27.0	9.8	230	216	-

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

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

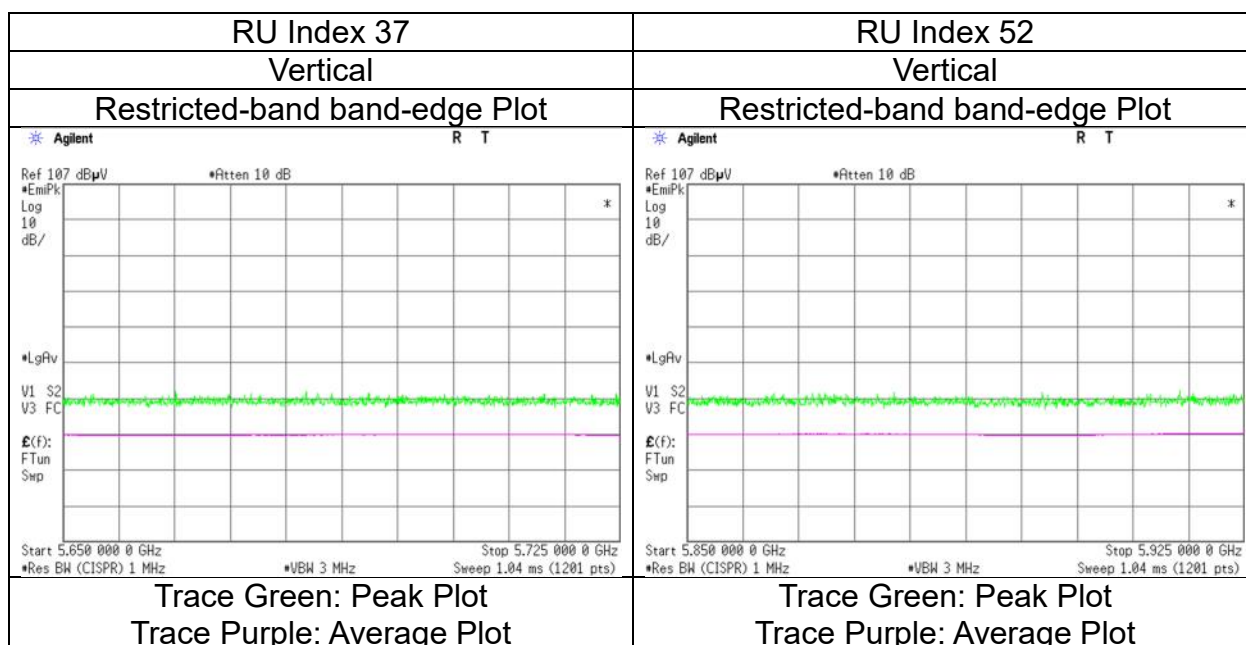
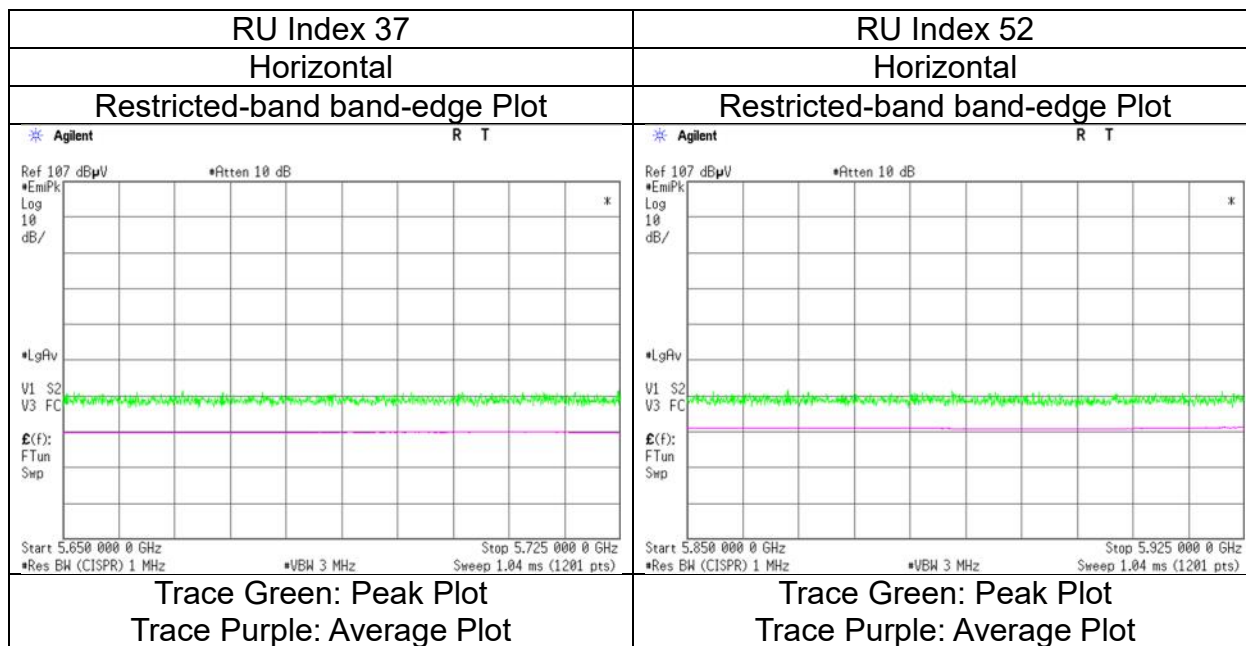
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

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

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

Radiated Spurious Emission

Test place	Shonan EMC Lab.
Semi Anechoic Chamber	SAC 3
Date	January 9, 2024
Temperature / Humidity	22 deg. C / 31 % RH
Engineer	Akihiro Oda
Mode	Tx 11ax-80 (OFDMA) 52-tone RU, 5775 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 11, 2024
Temperature / Humidity 22 deg. C / 23 % RH
Engineer Takayuki Kobayashi
 (1 GHz -6.4 GHz)
Mode Tx 11ax-80 (OFDMA) 106-tone RU, 5775 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]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	50.91	32.44	16.94	44.40	2.49	58.38	-36.85	-27.0	9.8	154	123	-
Hori.	5700.000	PK	51.71	32.56	16.96	44.35	2.49	59.37	-35.86	10.0	45.8	154	123	-
Hori.	5720.000	PK	51.36	32.61	16.97	44.33	2.49	59.10	-36.13	15.6	51.7	154	123	-
Hori.	5725.000	PK	50.61	32.63	16.97	44.33	2.49	58.37	-36.86	27.0	63.8	154	123	-
Vert.	5650.000	PK	49.99	32.44	16.94	44.40	2.49	57.46	-37.77	-27.0	10.7	226	235	-
Vert.	5700.000	PK	51.12	32.56	16.96	44.35	2.49	58.78	-36.45	10.0	46.4	226	235	-
Vert.	5720.000	PK	50.56	32.61	16.97	44.33	2.49	58.30	-36.93	15.6	52.5	226	235	-
Vert.	5725.000	PK	49.82	32.63	16.97	44.33	2.49	57.58	-37.65	27.0	64.6	226	235	-

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

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

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

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

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

RU Index 60

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	51.34	32.94	17.05	44.26	2.49	59.56	-35.67	27.0	62.6	209	120	-
Hori.	5855.000	PK	50.79	32.95	17.05	44.26	2.49	59.02	-36.21	15.6	51.8	209	120	-
Hori.	5875.000	PK	51.03	32.98	17.08	44.26	2.49	59.32	-35.91	10.0	45.9	209	120	-
Hori.	5925.000	PK	50.94	33.06	17.10	44.27	2.49	59.32	-35.91	-27.0	8.9	209	120	-
Vert.	5850.000	PK	50.27	32.94	17.05	44.26	2.49	58.49	-36.74	27.0	63.7	226	259	-
Vert.	5855.000	PK	50.95	32.95	17.05	44.26	2.49	59.18	-36.05	15.6	51.6	226	259	-
Vert.	5875.000	PK	50.73	32.98	17.08	44.26	2.49	59.02	-36.21	10.0	46.2	226	259	-
Vert.	5925.000	PK	50.92	33.06	17.10	44.27	2.49	59.30	-35.93	-27.0	8.9	226	259	-

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

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

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

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

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