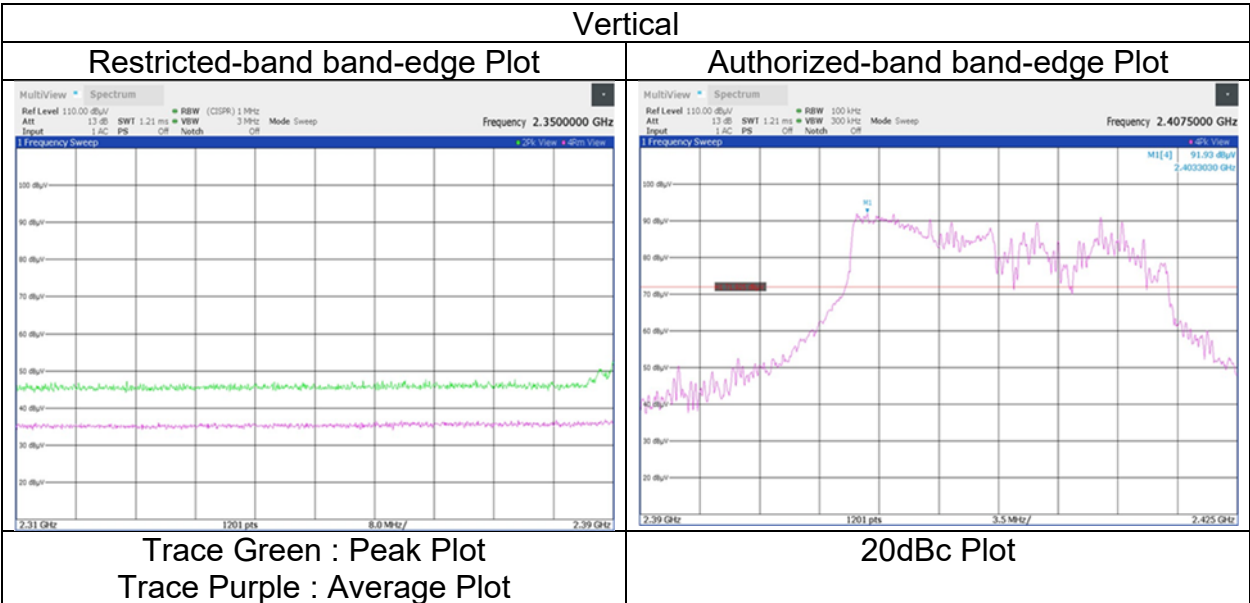
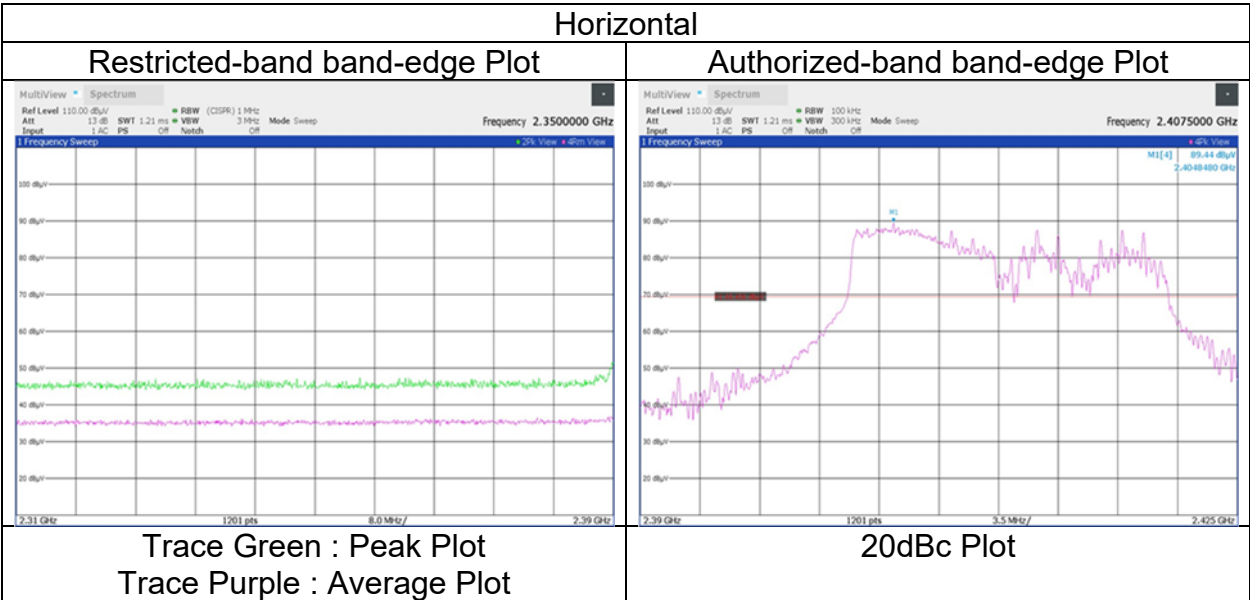


Radiated Spurious Emission
(Reference Plot for band-edge)

Mode	Tx 11ax-20(OFDMA) 106-tone RU, RU Index 53, MIMO, 2412 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 19, 2025	WAC2	18 deg. C	28 % RH	Miku Ikudome	1 GHz to 2.8 GHz



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

Radiated Spurious Emission

Mode	Tx 11ax-20(OFDMA) 106-tone RU, RU Index 54, MIMO, 2462 MHz
------	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 19, 2025	WAC2	18 deg. C	28 % RH	Miku Ikudome	1 GHz to 2.8 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance Fac.	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2483.500	PK	53.59	27.80	-28.53	-	2.22	55.08	73.9	18.8	141	298	-
Vert.	2483.500	PK	55.60	27.80	-28.53	-	2.22	57.09	73.9	16.8	278	79	-

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m] / 3.0[m]) = 2.22 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Duty Fac.	Distance Fac.	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2483.500	AV	38.26	27.80	-28.53	-	0.29	2.22	40.04	53.9	13.8	*1)
Vert.	2483.500	AV	39.84	27.80	-28.53	-	0.29	2.22	41.62	53.9	12.2	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m] / 3.0[m]) = 2.22 [dB]$

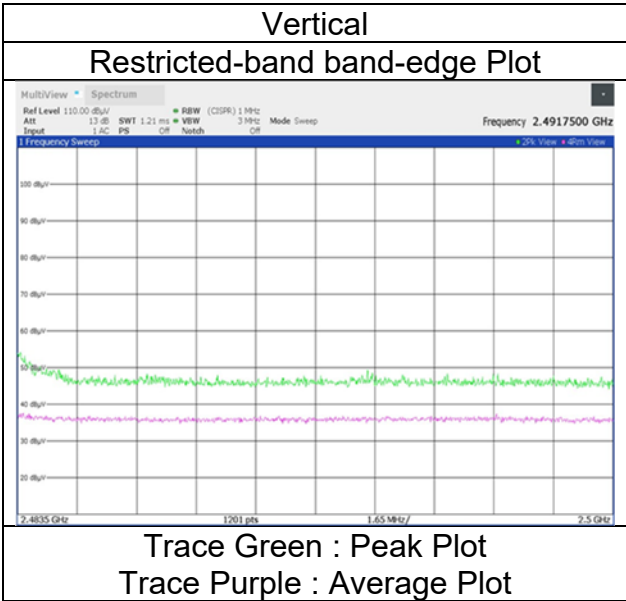
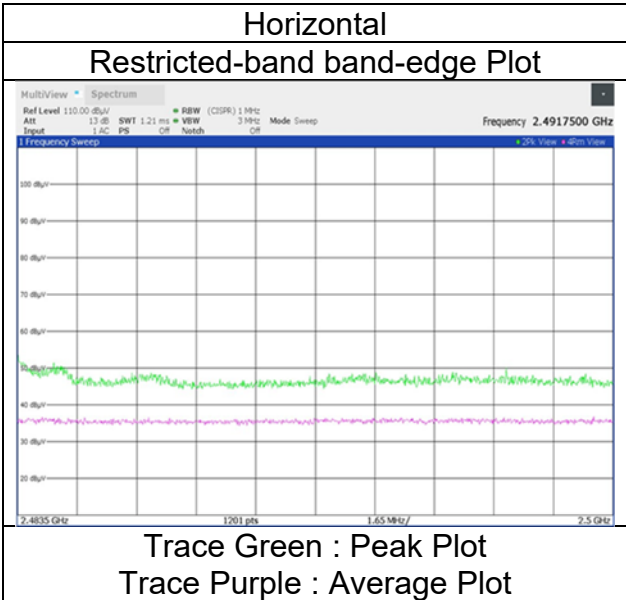
10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

**Radiated Spurious Emission
(Reference Plot for band-edge)**

Mode	Tx 11ax-20(OFDMA) 106-tone RU, RU Index 54, MIMO, 2462 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 19, 2025	WAC2	18 deg. C	28 % RH	Miku Ikudome	1 GHz to 2.8 GHz



* 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

Mode	Tx 11ax-20(OFDMA) 242-tone RU, RU Index 61, MIMO, 2412 MHz
------	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 19, 2025	WAC2	18 deg. C	28 % RH	Miku Ikudome	1 GHz to 2.8 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance Fac.	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2386.170	PK	59.31	27.74	-28.59	-	2.22	60.68	73.9	13.2	286	67	-
Hori.	2390.000	PK	58.60	27.75	-28.59	-	2.22	59.98	73.9	13.9	286	67	-
Hori.	2386.170	AV	40.02	27.74	-28.59	-	2.22	41.39	53.9	12.5	286	67	VBW:5 kHz
Hori.	2390.000	AV	42.39	27.75	-28.59	-	2.22	43.77	53.9	10.1	286	67	VBW:5 kHz
Vert.	2386.103	PK	59.97	27.74	-28.59	-	2.22	61.34	73.9	12.5	281	70	-
Vert.	2390.000	PK	58.98	27.75	-28.59	-	2.22	60.36	73.9	13.5	281	70	-
Vert.	2386.103	AV	40.80	27.74	-28.59	-	2.22	42.17	53.9	11.7	281	70	VBW:5 kHz
Vert.	2390.000	AV	42.88	27.75	-28.59	-	2.22	44.26	53.9	9.6	281	70	VBW:5 kHz

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87 [m] / 3.0 [m]) = 2.22 [dB]$

10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance Fac.	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2412.000	PK	88.29	27.79	-28.58	-	2.22	89.72	-	-	Carrier
Hori.	2400.000	PK	54.62	27.77	-28.58	-	2.22	56.03	69.7	13.6	-
Vert.	2412.000	PK	90.74	27.79	-28.58	-	2.22	92.17	-	-	Carrier
Vert.	2400.000	PK	56.56	27.77	-28.58	-	2.22	57.97	72.1	14.1	-

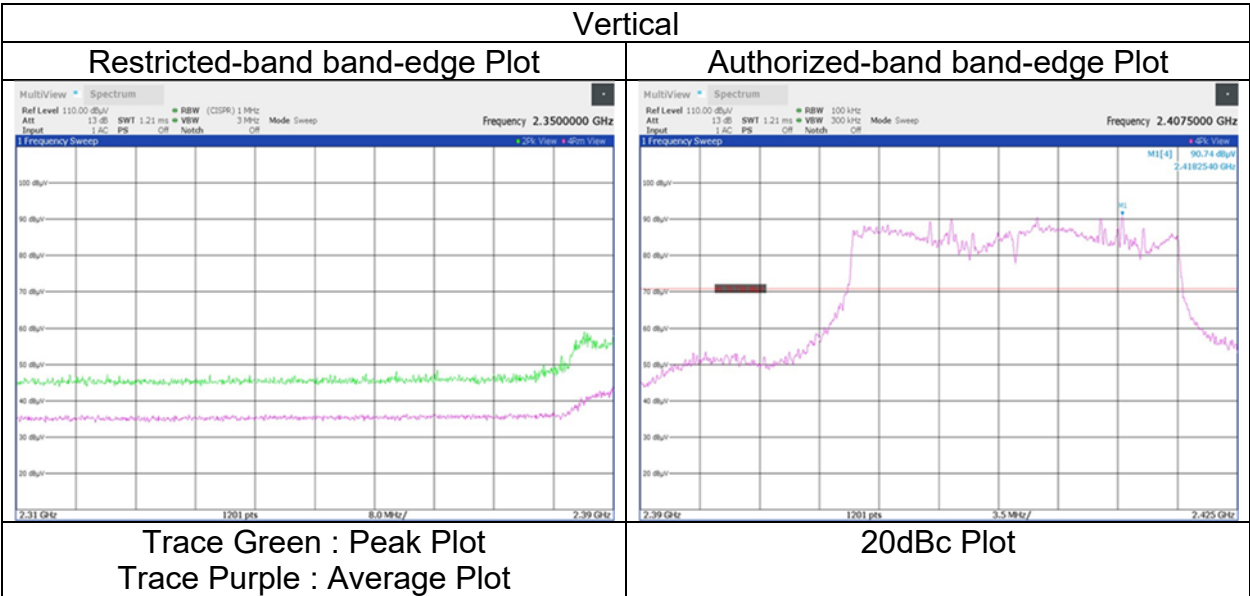
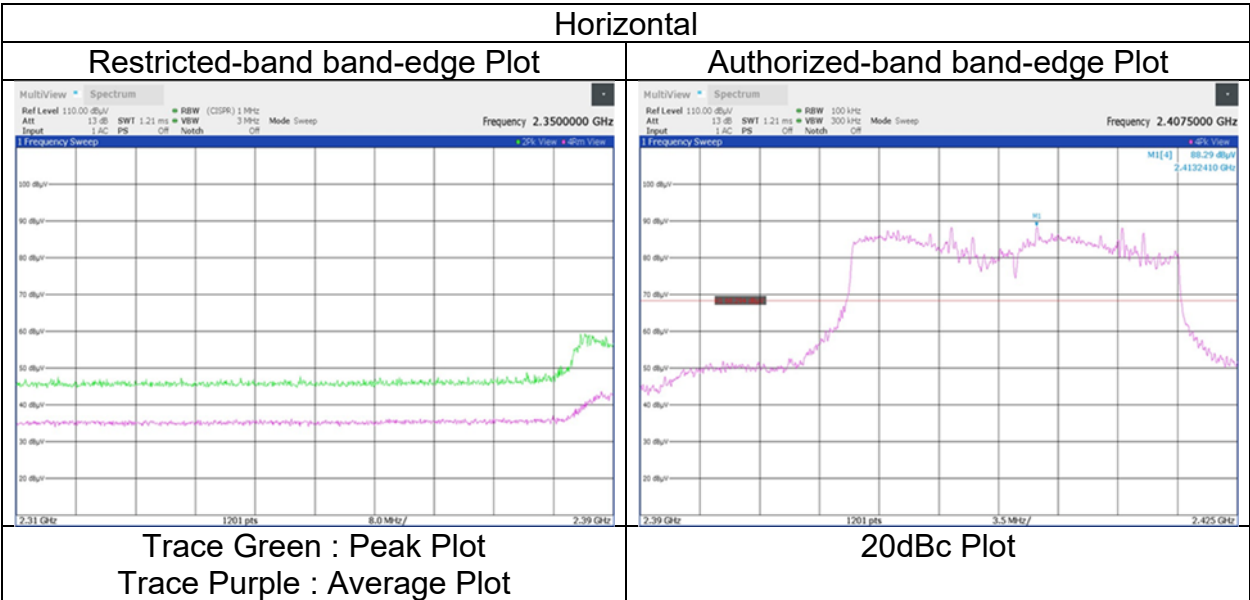
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87 [m] / 3.0 [m]) = 2.22 [dB]$

10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Radiated Spurious Emission
(Reference Plot for band-edge)

Mode	Tx 11ax-20(OFDMA) 242-tone RU, RU Index 61, MIMO, 2412 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 19, 2025	WAC2	18 deg. C	28 % RH	Miku Ikudome	1 GHz to 2.8 GHz



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

Radiated Spurious Emission

Mode	Tx 11ax-20(OFDMA) 242-tone RU, RU Index 61, MIMO, 2462 MHz
------	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 20, 2025	WAC2	18 deg. C	28 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant. Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2483.500	PK	59.23	27.80	-28.53	-	2.22	60.72	73.9	13.1	106	124	-
Hori.	2488.247	PK	55.91	27.79	-28.53	-	2.22	57.39	73.9	16.5	106	124	-
Hori.	2483.500	AV	42.53	27.80	-28.53	-	2.22	44.02	53.9	9.8	106	124	VBW:5kHz
Hori.	2488.247	AV	36.82	27.79	-28.53	-	2.22	38.30	53.9	15.6	106	124	VBW:5kHz
Vert.	2483.500	PK	62.65	27.80	-28.53	-	2.22	64.14	73.9	9.7	334	88	-
Vert.	2483.500	AV	46.57	27.80	-28.53	-	2.22	48.06	53.9	5.8	334	88	VBW:5kHz

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

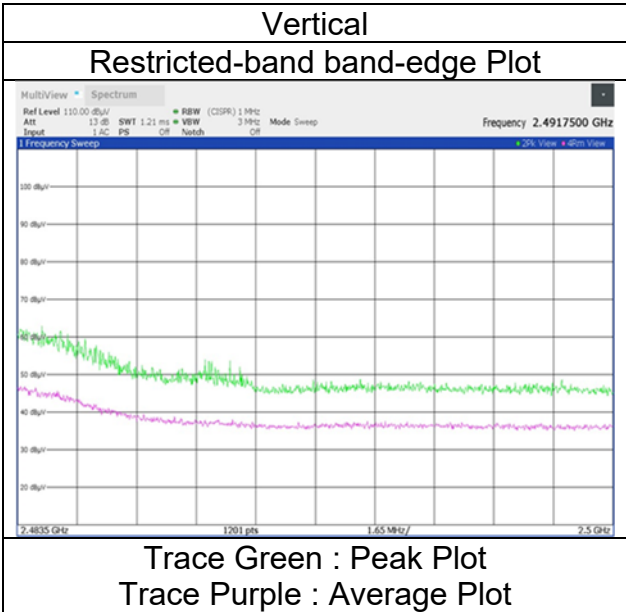
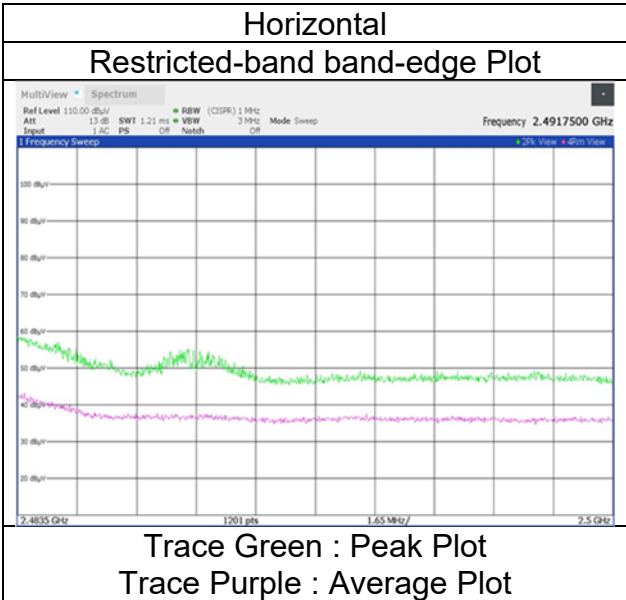
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).

Distance Fac.: 1 GHz to 10 GHz : $20\log(3.87[m] / 3.0[m]) = 2.22 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

**Radiated Spurious Emission
(Reference Plot for band-edge)**

Mode	Tx 11ax-20(OFDMA) 242-tone RU, RU Index 61, MIMO, 2462 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 20, 2025	WAC2	18 deg. C	28 % RH	Yohsuke Matsuzawa	1 GHz to 2.8 GHz



* 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

Mode	Tx BT LE 1 M-PHY, 2402 MHz
------	----------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 21, 2025	WAC2	18 deg. C	25 % RH	Hiromasa Sato	1 GHz to 2.8 GHz
March 4, 2025	WAC2	21 deg. C	29 % RH	Shiro Kobayashi	2.8 GHz to 10 GHz
March 5, 2025	WAC2	22 deg. C	44 % RH	Shiro Kobayashi	10 GHz to 18 GHz
March 7, 2025	WAC2	21 deg. C	32 % RH	Miku Ikudome	18 GHz to 26.5 GHz

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2248.747	PK	50.46	27.25	-28.68	-	2.22	51.25	73.9	22.6	141	47	-
Hori.	2274.400	PK	52.14	27.35	-28.66	-	2.22	53.05	73.9	20.8	119	47	-
Hori.	2390.000	PK	47.02	27.75	-28.59	-	2.22	48.40	73.9	25.5	141	57	-
Hori.	4804.000	PK	46.77	31.56	-36.43	-	2.22	44.12	73.9	29.7	150	0	Floor Noise
Hori.	7206.000	PK	47.13	36.21	-34.86	-	2.22	50.70	73.9	23.2	150	0	Floor Noise
Hori.	9608.000	PK	45.13	38.14	-31.99	-	2.22	53.50	73.9	20.4	150	0	Floor Noise
Hori.	4804.000	AV	35.92	31.56	-36.43	-	2.22	33.27	53.9	20.6	150	0	Floor Noise
Hori.	7206.000	AV	36.01	36.21	-34.86	-	2.22	39.58	53.9	14.3	150	0	Floor Noise
Hori.	9608.000	AV	34.28	38.14	-31.99	-	2.22	42.65	53.9	11.2	150	0	Floor Noise
Vert.	2248.524	PK	52.14	27.25	-28.68	-	2.22	52.93	73.9	20.9	296	89	-
Vert.	2273.957	PK	54.10	27.35	-28.66	-	2.22	55.01	73.9	18.8	296	89	-
Vert.	2390.000	PK	47.03	27.75	-28.59	-	2.22	48.41	73.9	25.4	307	98	-
Vert.	4804.000	PK	48.18	31.56	-36.43	-	2.22	45.53	73.9	28.3	150	0	Floor Noise
Vert.	7206.000	PK	47.24	36.21	-34.86	-	2.22	50.81	73.9	23.0	150	0	Floor Noise
Vert.	9608.000	PK	44.92	38.14	-31.99	-	2.22	53.29	73.9	20.6	150	0	Floor Noise
Vert.	4804.000	AV	36.04	31.56	-36.43	-	2.22	33.39	53.9	20.5	150	0	Floor Noise
Vert.	7206.000	AV	35.95	36.21	-34.86	-	2.22	39.52	53.9	14.3	150	0	Floor Noise
Vert.	9608.000	AV	34.48	38.14	-31.99	-	2.22	42.85	53.9	11.0	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Attenu or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2248.747	AV	40.91	27.25	-28.68	-	2.01	2.22	43.71	53.9	10.1	*2)
Hori.	2274.400	AV	45.68	27.35	-28.66	-	2.01	2.22	48.60	53.9	5.3	*2)
Hori.	2390.000	AV	36.41	27.75	-28.59	-	2.01	2.22	39.80	53.9	14.1	*1)
Vert.	2248.524	AV	42.10	27.25	-28.68	-	2.01	2.22	44.90	53.9	9.0	*2)
Vert.	2273.957	AV	48.09	27.35	-28.66	-	2.01	2.22	51.01	53.9	2.8	*2)
Vert.	2390.000	AV	36.14	27.75	-28.59	-	2.01	2.22	39.53	53.9	14.3	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Attenu or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

*2) Noise synchronized with duty of carrier frequency.

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2402.000	PK	94.45	27.77	-28.58	-	2.22	95.86	-	-	Carrier
Hori.	2400.000	PK	37.89	27.77	-28.58	-	2.22	39.30	75.8	36.5	-
Vert.	2402.000	PK	95.59	27.77	-28.58	-	2.22	97.00	-	-	Carrier
Vert.	2400.000	PK	39.19	27.77	-28.58	-	2.22	40.60	77.0	36.4	-

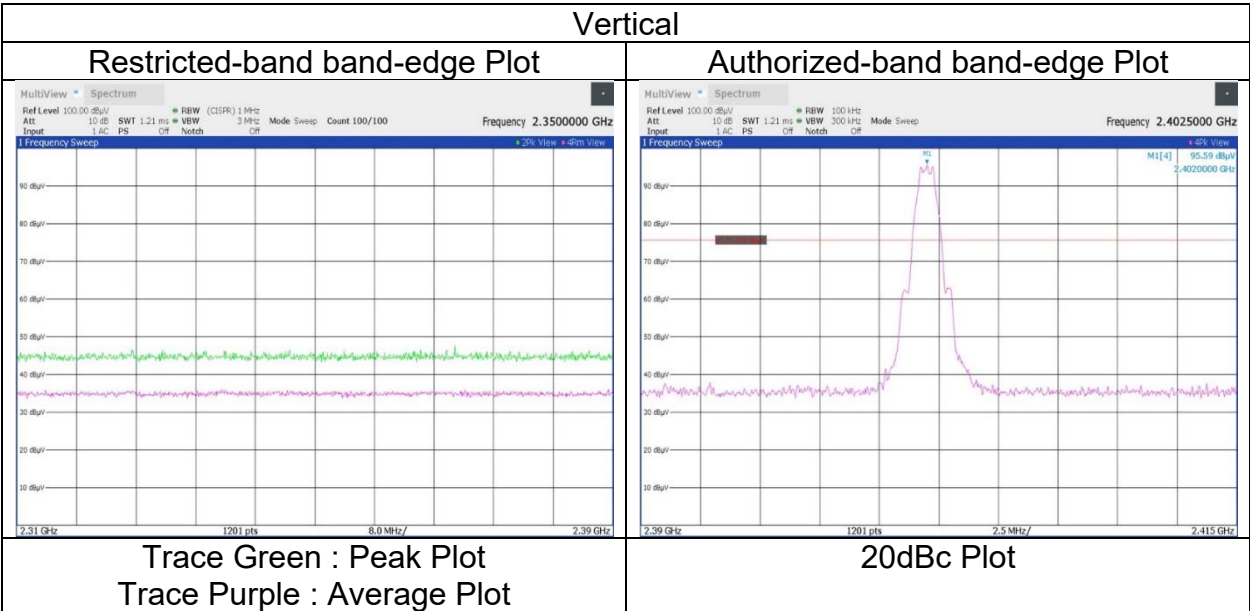
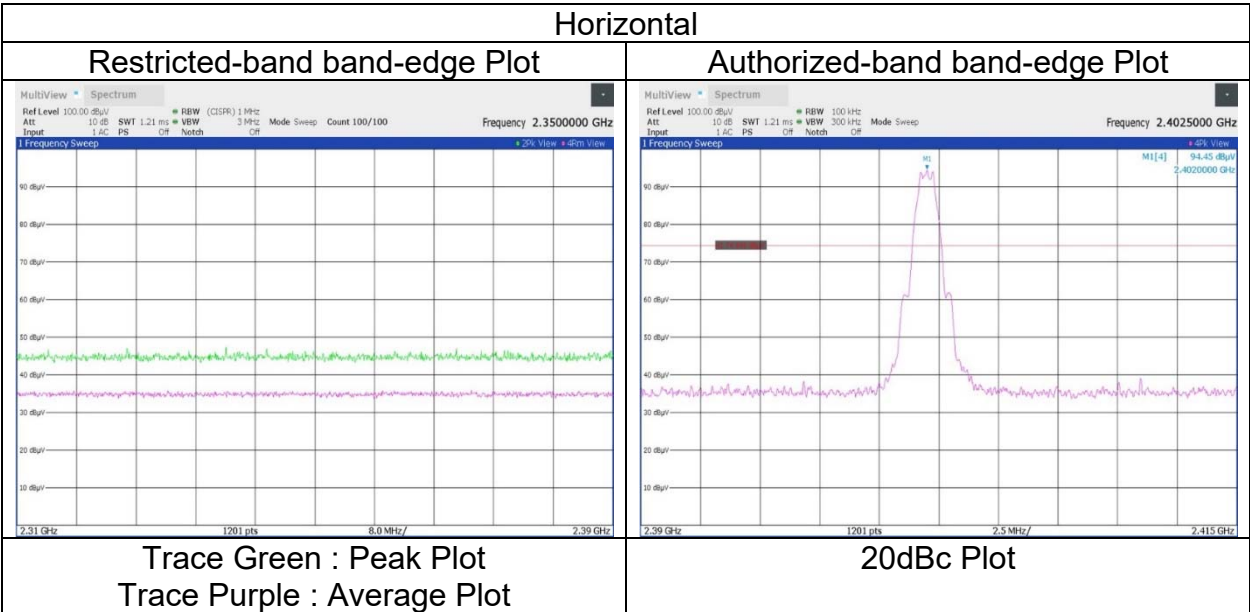
Result = Reading + Ant.Fac. + Loss (Cable + (Attenu or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Radiated Spurious Emission
(Reference Plot for band-edge)

Mode	Tx BT LE 1 M-PHY, 2402 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 21, 2025	WAC2	18 deg. C	25 % RH	Hiromasa Sato	1 GHz to 2.8 GHz



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

Radiated Spurious Emission

Mode	Tx BT LE 1 M-PHY, 2440 MHz
------	----------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 21, 2025	WAC2	18 deg. C	25 % RH	Hiromasa Sato	1 GHz to 10 GHz
March 5, 2025	WAC2	22 deg. C	44 % RH	Shiro Kobayashi	10 GHz to 18 GHz
March 7, 2025	WAC2	21 deg. C	32 % RH	Miku Ikudome	18 GHz to 26.5 GHz

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2286.319	PK	51.13	27.40	-28.65	-	2.22	52.10	73.9	21.8	172	52	-
Hori.	2311.942	PK	53.74	27.49	-28.64	-	2.22	54.81	73.9	19.0	160	51	-
Hori.	4880.000	PK	47.14	31.95	-36.42	-	2.22	44.89	73.9	29.0	150	0	Floor Noise
Hori.	7320.000	PK	47.45	36.66	-34.67	-	2.22	51.66	73.9	22.2	150	0	Floor Noise
Hori.	9760.000	PK	44.89	38.10	-31.79	-	2.22	53.42	73.9	20.4	150	0	Floor Noise
Hori.	4880.000	AV	35.52	31.95	-36.42	-	2.22	33.27	53.9	20.6	150	0	Floor Noise
Hori.	7320.000	AV	35.91	36.66	-34.67	-	2.22	40.12	53.9	13.7	150	0	Floor Noise
Hori.	9760.000	AV	33.87	38.10	-31.79	-	2.22	42.40	53.9	11.5	150	0	Floor Noise
Vert.	2286.292	PK	51.68	27.40	-28.65	-	2.22	52.65	73.9	21.2	248	100	-
Vert.	2311.879	PK	55.34	27.49	-28.64	-	2.22	56.41	73.9	17.4	280	85	-
Vert.	4880.000	PK	47.40	31.95	-36.42	-	2.22	45.15	73.9	28.7	150	0	Floor Noise
Vert.	7320.000	PK	47.26	36.66	-34.67	-	2.22	51.47	73.9	22.4	150	0	Floor Noise
Vert.	9760.000	PK	44.89	38.10	-31.79	-	2.22	53.42	73.9	20.4	150	0	Floor Noise
Vert.	4880.000	AV	35.69	31.95	-36.42	-	2.22	33.44	53.9	20.4	150	0	Floor Noise
Vert.	7320.000	AV	36.01	36.66	-34.67	-	2.22	40.22	53.9	13.6	150	0	Floor Noise
Vert.	9760.000	AV	33.84	38.10	-31.79	-	2.22	42.37	53.9	11.5	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22$ [dB]

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54$ [dB]

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2286.319	AV	42.45	27.40	-28.65	-	2.01	2.22	45.43	53.9	8.4	*2)
Hori.	2311.942	AV	47.58	27.49	-28.64	-	2.01	2.22	50.66	53.9	3.2	*2)
Vert.	2286.292	AV	44.17	27.40	-28.65	-	2.01	2.22	47.15	53.9	6.7	*2)
Vert.	2311.879	AV	49.56	27.49	-28.64	-	2.01	2.22	52.64	53.9	1.2	*2)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22$ [dB]

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54$ [dB]

Duty factor refer to "Burst rate confirmation" sheet.

*2) Noise synchronized with duty of carrier frequency.

Radiated Spurious Emission

Mode	Tx BT LE 1 M-PHY, 2480 MHz
------	----------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 21, 2025	WAC2	18 deg. C	25 % RH	Hiromasa Sato	1 GHz to 2.8 GHz
March 4, 2025	WAC2	21 deg. C	29 % RH	Shiro Kobayashi	2.8 GHz to 10 GHz
March 5, 2025	WAC2	22 deg. C	44 % RH	Shiro Kobayashi	10 GHz to 18 GHz
March 7, 2025	WAC2	21 deg. C	32 % RH	Miku Ikudome	18 GHz to 26.5 GHz

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2326.377	PK	51.03	27.54	-28.63	-	2.22	52.16	73.9	21.7	107	48	-
Hori.	2352.033	PK	54.41	27.63	-28.61	-	2.22	55.65	73.9	18.2	107	48	-
Hori.	2483.500	PK	47.55	27.80	-28.53	-	2.22	49.04	73.9	24.8	107	57	-
Hori.	4960.000	PK	47.31	32.23	-36.40	-	2.22	45.36	73.9	28.5	150	0	Floor Noise
Hori.	7440.000	PK	47.38	36.81	-34.46	-	2.22	51.95	73.9	21.9	150	0	Floor Noise
Hori.	9920.000	PK	45.48	38.04	-31.57	-	2.22	54.17	73.9	19.7	150	0	Floor Noise
Hori.	4960.000	AV	36.39	32.23	-36.40	-	2.22	34.44	53.9	19.4	150	0	Floor Noise
Hori.	7440.000	AV	36.26	36.81	-34.46	-	2.22	40.83	53.9	13.0	150	0	Floor Noise
Hori.	9920.000	AV	34.41	38.04	-31.57	-	2.22	43.10	53.9	10.8	150	0	Floor Noise
Vert.	2326.379	PK	51.00	27.54	-28.63	-	2.22	52.13	73.9	21.7	292	100	-
Vert.	2352.239	PK	56.30	27.63	-28.61	-	2.22	57.54	73.9	16.3	292	100	-
Vert.	2483.500	PK	49.56	27.80	-28.53	-	2.22	51.05	73.9	22.8	251	88	-
Vert.	4960.000	PK	47.80	32.23	-36.40	-	2.22	45.85	73.9	28.0	150	0	Floor Noise
Vert.	7440.000	PK	47.06	36.81	-34.46	-	2.22	51.63	73.9	22.2	150	0	Floor Noise
Vert.	9920.000	PK	45.92	38.04	-31.57	-	2.22	54.61	73.9	19.2	150	0	Floor Noise
Vert.	4960.000	AV	36.27	32.23	-36.40	-	2.22	34.32	53.9	19.5	150	0	Floor Noise
Vert.	7440.000	AV	36.17	36.81	-34.46	-	2.22	40.74	53.9	13.1	150	0	Floor Noise
Vert.	9920.000	AV	34.45	38.04	-31.57	-	2.22	43.14	53.9	10.7	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m] / 3.0[m]) = 2.22 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2326.377	AV	43.02	27.54	-28.63	-	2.01	2.22	46.16	53.9	7.7	*2)
Hori.	2352.033	AV	48.69	27.63	-28.61	-	2.01	2.22	51.94	53.9	1.9	*2)
Hori.	2483.500	AV	36.16	27.80	-28.53	-	2.01	2.22	39.66	53.9	14.2	*1)
Vert.	2326.379	AV	43.75	27.54	-28.63	-	2.01	2.22	46.89	53.9	7.0	*2)
Vert.	2352.239	AV	50.40	27.63	-28.61	-	2.01	2.22	53.65	53.9	0.2	*2)
Vert.	2483.500	AV	36.42	27.80	-28.53	-	2.01	2.22	39.92	53.9	13.9	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m] / 3.0[m]) = 2.22 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

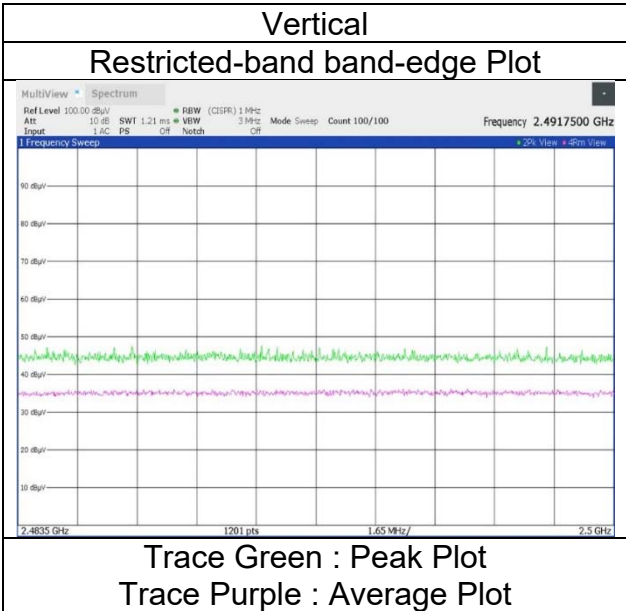
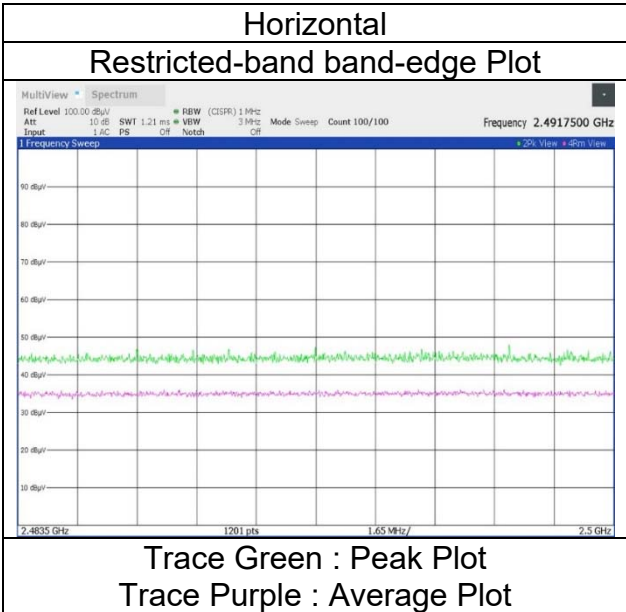
Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

*2) Noise synchronized with duty of carrier frequency.

Radiated Spurious Emission
(Reference Plot for band-edge)

Mode	Tx BT LE 1 M-PHY, 2480 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 21, 2025	WAC2	18 deg. C	25 % RH	Hiromasa Sato	1 GHz to 2.8 GHz



* 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

Mode	Tx BT LE 2 M-PHY, 2402 MHz
------	----------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 21, 2025	WAC2	18 deg. C	25 % RH	Hiromasa Sato	1 GHz to 2.8 GHz
March 4, 2025	WAC2	21 deg. C	29 % RH	Shiro Kobayashi	2.8 GHz to 10 GHz
March 5, 2025	WAC2	22 deg. C	44 % RH	Shiro Kobayashi	10 GHz to 18 GHz
March 7, 2025	WAC2	21 deg. C	32 % RH	Miku Ikudome	18 GHz to 26.5 GHz

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2248.526	PK	50.42	27.25	-28.68	-	2.22	51.21	73.9	22.6	109	50	-
Hori.	2273.948	PK	52.78	27.35	-28.66	-	2.22	53.69	73.9	20.2	109	50	-
Hori.	2390.000	PK	47.89	27.75	-28.59	-	2.22	49.27	73.9	24.6	109	58	-
Hori.	4804.000	PK	47.15	31.56	-36.43	-	2.22	44.50	73.9	29.4	150	0	Floor Noise
Hori.	7206.000	PK	47.14	36.21	-34.86	-	2.22	50.71	73.9	23.1	150	0	Floor Noise
Hori.	9608.000	PK	45.44	38.14	-31.99	-	2.22	53.81	73.9	20.0	150	0	Floor Noise
Hori.	4804.000	AV	35.94	31.56	-36.43	-	2.22	33.29	53.9	20.6	150	0	Floor Noise
Hori.	7206.000	AV	35.73	36.21	-34.86	-	2.22	39.30	53.9	14.6	150	0	Floor Noise
Hori.	9608.000	AV	34.45	38.14	-31.99	-	2.22	42.82	53.9	11.0	150	0	Floor Noise
Vert.	2248.521	PK	52.99	27.25	-28.68	-	2.22	53.78	73.9	20.1	272	109	-
Vert.	2274.161	PK	54.54	27.35	-28.66	-	2.22	55.45	73.9	18.4	272	109	-
Vert.	2390.000	PK	46.72	27.75	-28.59	-	2.22	48.10	73.9	25.8	272	91	-
Vert.	4804.000	PK	47.34	31.56	-36.43	-	2.22	44.69	73.9	29.2	150	0	Floor Noise
Vert.	7206.000	PK	46.33	36.21	-34.86	-	2.22	49.90	73.9	24.0	150	0	Floor Noise
Vert.	9608.000	PK	45.39	38.14	-31.99	-	2.22	53.76	73.9	20.1	150	0	Floor Noise
Vert.	4804.000	AV	36.21	31.56	-36.43	-	2.22	33.56	53.9	20.3	150	0	Floor Noise
Vert.	7206.000	AV	35.83	36.21	-34.86	-	2.22	39.40	53.9	14.5	150	0	Floor Noise
Vert.	9608.000	AV	34.20	38.14	-31.99	-	2.22	42.57	53.9	11.3	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2248.526	AV	39.28	27.25	-28.68	-	4.75	2.22	44.82	53.9	9.0	*2)
Hori.	2273.948	AV	43.02	27.35	-28.66	-	4.75	2.22	48.68	53.9	5.2	*2)
Hori.	2390.000	AV	36.34	27.75	-28.59	-	4.75	2.22	42.47	53.9	11.4	*1)
Vert.	2248.521	AV	40.11	27.25	-28.68	-	4.75	2.22	45.65	53.9	8.2	*2)
Vert.	2274.161	AV	45.52	27.35	-28.66	-	4.75	2.22	51.18	53.9	2.7	*2)
Vert.	2390.000	AV	36.31	27.75	-28.59	-	4.75	2.22	42.44	53.9	11.4	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

*2) Noise synchronized with duty of carrier frequency.

20 dBc Data Sheet

(RBW 100 kHz, VBW 300 kHz)

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2402.000	PK	93.96	27.77	-28.58	-	2.22	95.37	-	-	Carrier
Hori.	2400.000	PK	47.22	27.77	-28.58	-	2.22	48.63	75.3	26.6	-
Vert.	2402.000	PK	94.71	27.77	-28.58	-	2.22	96.12	-	-	Carrier
Vert.	2400.000	PK	47.88	27.77	-28.58	-	2.22	49.29	76.1	26.8	-

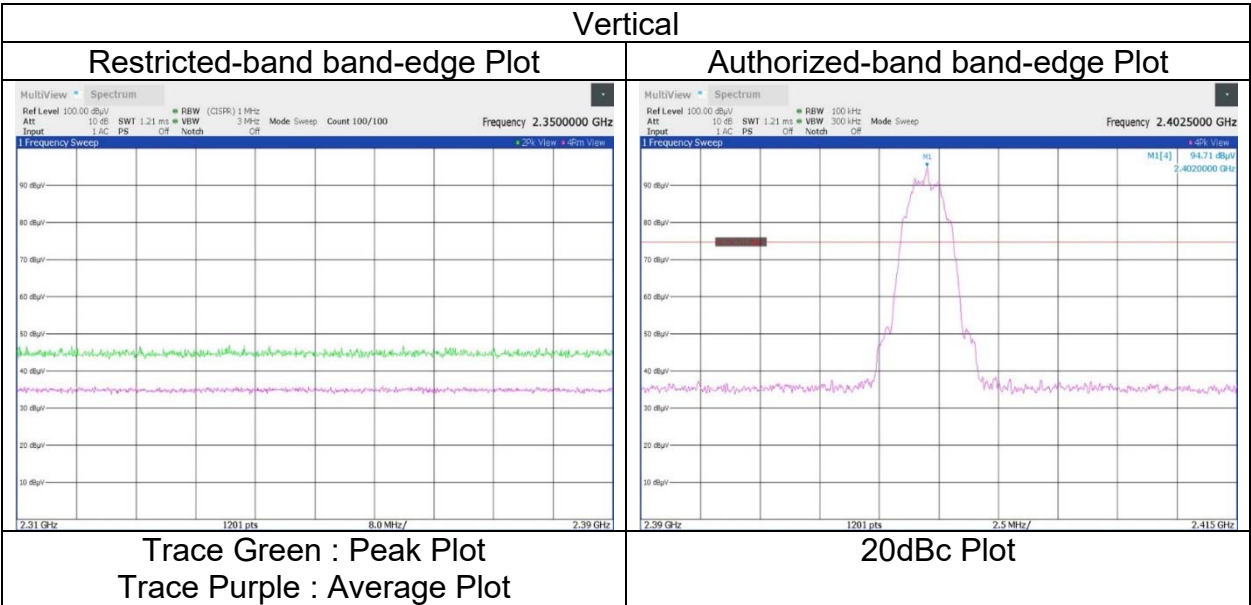
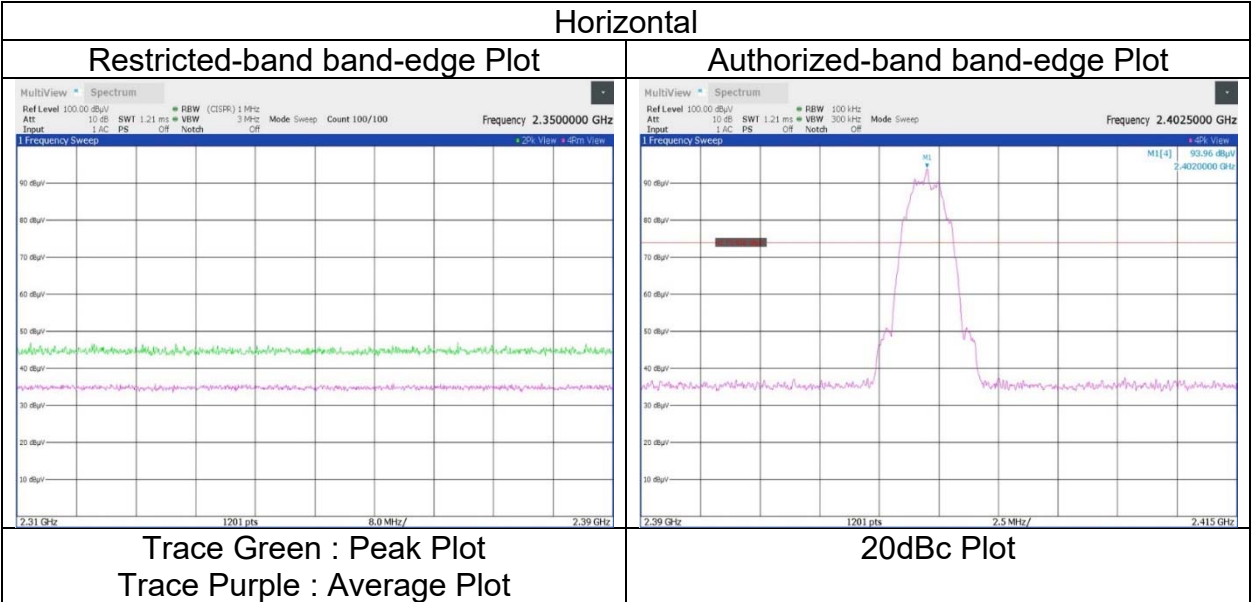
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Radiated Spurious Emission
(Reference Plot for band-edge)

Mode	Tx BT LE 2 M-PHY, 2402 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 21, 2025	WAC2	18 deg. C	25 % RH	Hiromasa Sato	1 GHz to 2.8 GHz



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

Radiated Spurious Emission

Mode	Tx BT LE 2 M-PHY, 2440 MHz
------	----------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
April 15, 2025	SAC3	23 deg. C	33 % RH	Yosuke Murakami	Below 1 GHz
February 21, 2025	WAC2	18 deg. C	25 % RH	Hiromasa Sato	1 GHz to 10 GHz
March 5, 2025	WAC2	22 deg. C	44 % RH	Shiro Kobayashi	10 GHz to 18 GHz
March 7, 2025	WAC2	21 deg. C	32 % RH	Miku Ikudome	18 GHz to 26.5 GHz

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	47.518	QP	42.40	12.04	6.75	32.18	0.00	29.01	40.0	10.9	400	306	-
Hori.	57.482	QP	45.20	8.77	6.64	32.17	0.00	28.44	40.0	11.5	377	150	-
Hori.	62.614	QP	48.90	7.61	6.51	32.17	0.00	30.85	40.0	9.1	359	220	-
Hori.	63.529	QP	49.40	7.47	6.50	32.17	0.00	31.20	40.0	8.8	359	220	-
Hori.	67.255	QP	50.60	6.85	6.61	32.17	0.00	31.89	40.0	8.1	273	90	-
Hori.	72.275	QP	47.40	6.35	6.98	32.16	0.00	28.57	40.0	11.4	250	81	-
Hori.	2286.291	PK	50.61	27.40	-28.65	-	2.22	51.58	73.9	22.3	202	56	-
Hori.	2311.921	PK	54.34	27.49	-28.64	-	2.22	55.41	73.9	18.4	163	51	-
Hori.	4880.000	PK	47.23	31.95	-36.42	-	2.22	44.98	73.9	28.9	150	0	Floor Noise
Hori.	7320.000	PK	47.63	36.66	-34.67	-	2.22	51.84	73.9	22.0	150	0	Floor Noise
Hori.	9760.000	PK	45.21	38.10	-31.79	-	2.22	53.74	73.9	20.1	150	0	Floor Noise
Hori.	4880.000	AV	35.83	31.95	-36.42	-	2.22	33.58	53.9	20.3	150	0	Floor Noise
Hori.	7320.000	AV	36.14	36.66	-34.67	-	2.22	40.35	53.9	13.5	150	0	Floor Noise
Hori.	9760.000	AV	33.87	38.10	-31.79	-	2.22	42.40	53.9	11.5	150	0	Floor Noise
Vert.	41.462	QP	39.10	14.25	6.64	32.18	0.00	27.81	40.0	12.1	100	280	-
Vert.	67.316	QP	48.50	6.85	6.61	32.17	0.00	29.79	40.0	10.2	100	88	-
Vert.	68.322	QP	48.70	6.73	6.67	32.17	0.00	29.93	40.0	10.0	100	86	-
Vert.	71.871	QP	47.70	6.38	6.94	32.16	0.00	28.86	40.0	11.1	100	156	-
Vert.	476.553	QP	41.30	16.77	9.68	31.98	0.00	35.77	46.0	10.2	131	305	-
Vert.	2286.240	PK	51.67	27.39	-28.65	-	2.22	52.63	73.9	21.2	287	87	-
Vert.	2311.904	PK	55.02	27.49	-28.64	-	2.22	56.09	73.9	17.8	303	99	-
Vert.	4880.000	PK	47.30	31.95	-36.42	-	2.22	45.05	73.9	28.8	150	0	Floor Noise
Vert.	7320.000	PK	47.18	36.66	-34.67	-	2.22	51.39	73.9	22.5	150	0	Floor Noise
Vert.	9760.000	PK	45.29	38.10	-31.79	-	2.22	53.82	73.9	20.0	150	0	Floor Noise
Vert.	4880.000	AV	35.89	31.95	-36.42	-	2.22	33.64	53.9	20.2	150	0	Floor Noise
Vert.	7320.000	AV	36.16	36.66	-34.67	-	2.22	40.37	53.9	13.5	150	0	Floor Noise
Vert.	9760.000	AV	34.08	38.10	-31.79	-	2.22	42.61	53.9	11.2	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2286.291	AV	40.04	27.40	-28.65	-	4.75	2.22	45.76	53.9	8.1	*2)
Hori.	2311.921	AV	45.00	27.49	-28.64	-	4.75	2.22	50.82	53.9	3.0	*2)
Vert.	2286.240	AV	41.46	27.39	-28.65	-	4.75	2.22	47.17	53.9	6.7	*2)
Vert.	2311.904	AV	46.22	27.49	-28.64	-	4.75	2.22	52.04	53.9	1.8	*2)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*2) Noise synchronized with duty of carrier frequency.

Radiated Spurious Emission

Mode	Tx BT LE 2 M-PHY, 2480 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 21, 2025	WAC2	18 deg. C	25 % RH	Hiromasa Sato	1 GHz to 2.8 GHz
March 4, 2025	WAC2	21 deg. C	29 % RH	Shiro Kobayashi	2.8 GHz to 10 GHz
March 5, 2025	WAC2	22 deg. C	44 % RH	Shiro Kobayashi	10 GHz to 18 GHz
March 7, 2025	WAC2	21 deg. C	32 % RH	Miku Ikudome	18 GHz to 26.5 GHz

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	2326.374	PK	51.17	27.54	-28.63	-	2.22	52.30	73.9	21.6	100	44	-
Hori.	2352.480	PK	55.38	27.63	-28.61	-	2.22	56.62	73.9	17.2	100	44	-
Hori.	2483.500	PK	47.44	27.80	-28.53	-	2.22	48.93	73.9	24.9	101	56	-
Hori.	4960.000	PK	47.16	32.23	-36.40	-	2.22	45.21	73.9	28.6	150	0	Floor Noise
Hori.	7440.000	PK	46.92	36.81	-34.46	-	2.22	51.49	73.9	22.4	150	0	Floor Noise
Hori.	9920.000	PK	45.04	38.04	-31.57	-	2.22	53.73	73.9	20.1	150	0	Floor Noise
Hori.	4960.000	AV	36.25	32.23	-36.40	-	2.22	34.30	53.9	19.6	150	0	Floor Noise
Hori.	7440.000	AV	36.03	36.81	-34.46	-	2.22	40.60	53.9	13.3	150	0	Floor Noise
Hori.	9920.000	AV	34.49	38.04	-31.57	-	2.22	43.18	53.9	10.7	150	0	Floor Noise
Vert.	2326.376	PK	50.30	27.54	-28.63	-	2.22	51.43	73.9	22.4	199	88	-
Vert.	2352.024	PK	55.10	27.63	-28.61	-	2.22	56.34	73.9	17.5	199	88	-
Vert.	2483.500	PK	47.91	27.80	-28.53	-	2.22	49.40	73.9	24.5	239	83	-
Vert.	4960.000	PK	47.72	32.23	-36.40	-	2.22	45.77	73.9	28.1	150	0	Floor Noise
Vert.	7440.000	PK	47.55	36.81	-34.46	-	2.22	52.12	73.9	21.7	150	0	Floor Noise
Vert.	9920.000	PK	45.37	38.04	-31.57	-	2.22	54.06	73.9	19.8	150	0	Floor Noise
Vert.	4960.000	AV	36.24	32.23	-36.40	-	2.22	34.29	53.9	19.6	150	0	Floor Noise
Vert.	7440.000	AV	36.00	36.81	-34.46	-	2.22	40.57	53.9	13.3	150	0	Floor Noise
Vert.	9920.000	AV	34.26	38.04	-31.57	-	2.22	42.95	53.9	10.9	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac.: 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2326.374	AV	40.73	27.54	-28.63	-	4.75	2.22	46.61	53.9	7.2	*2)
Hori.	2352.480	AV	46.61	27.63	-28.61	-	4.75	2.22	52.60	53.9	1.3	*2)
Hori.	2483.500	AV	36.24	27.80	-28.53	-	4.75	2.22	42.48	53.9	11.4	*1)
Vert.	2326.376	AV	40.90	27.54	-28.63	-	4.75	2.22	46.78	53.9	7.1	*2)
Vert.	2352.024	AV	46.29	27.63	-28.61	-	4.75	2.22	52.28	53.9	1.6	*2)
Vert.	2483.500	AV	36.35	27.80	-28.53	-	4.75	2.22	42.59	53.9	11.3	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac.: 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

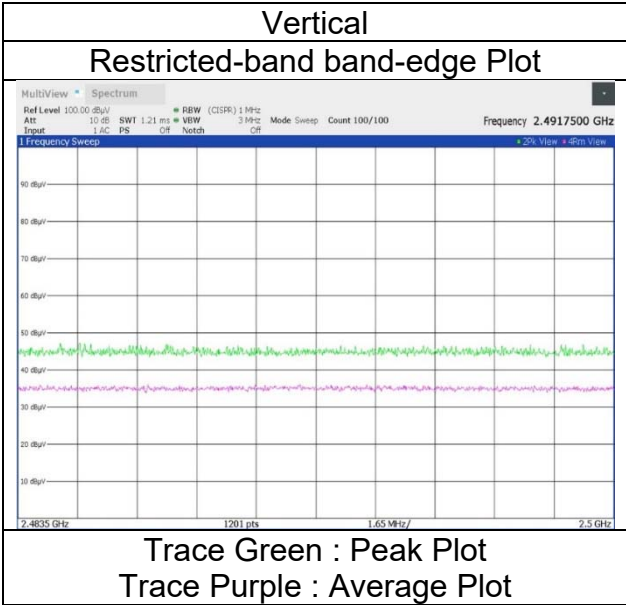
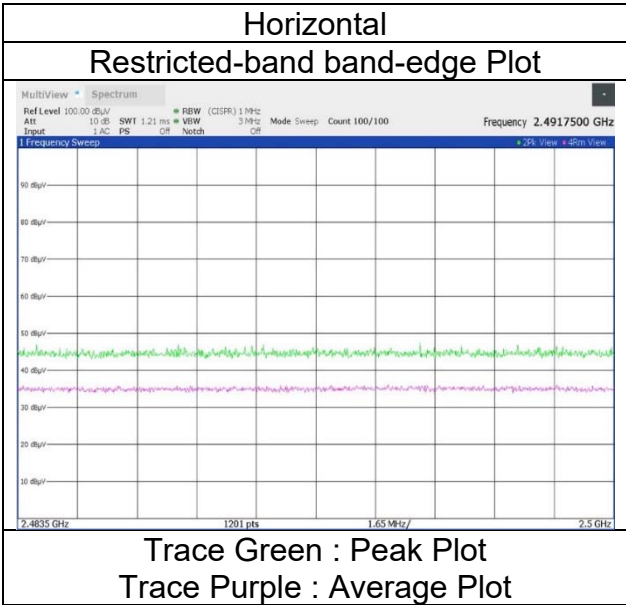
Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

*2) Noise synchronized with duty of carrier frequency.

Radiated Spurious Emission
(Reference Plot for band-edge)

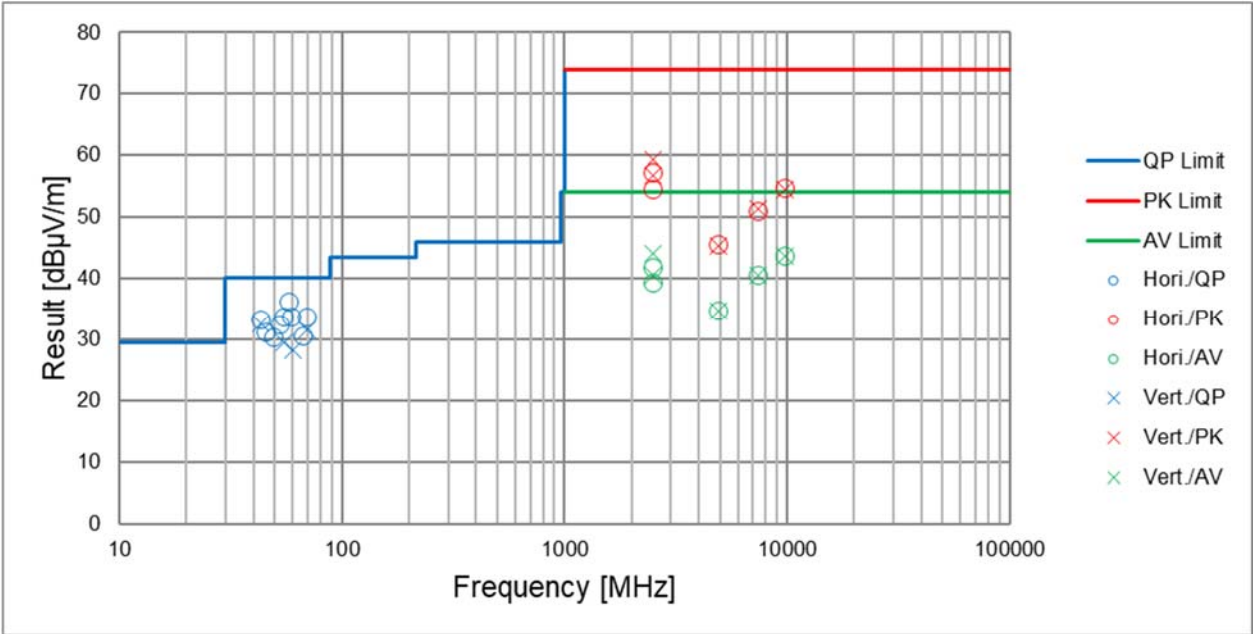
Mode	Tx BT LE 2 M-PHY, 2480 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
February 21, 2025	WAC2	18 deg. C	25 % RH	Hiromasa Sato	1 GHz to 2.8 GHz



* 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 Peak Output Power)

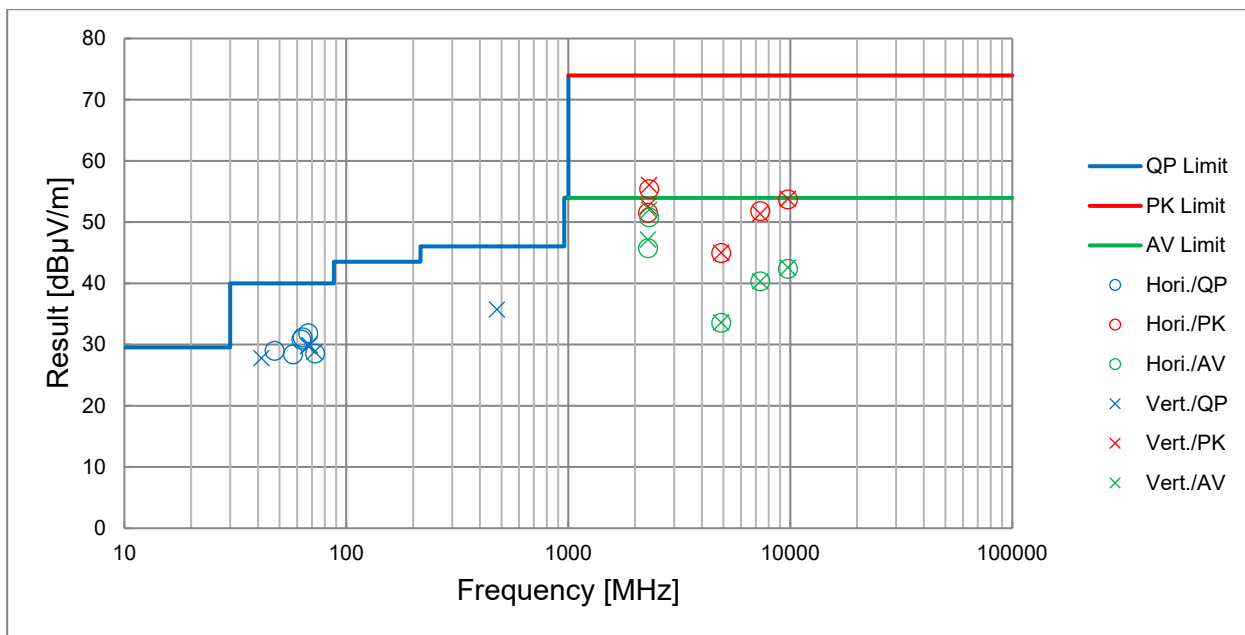
Mode	Tx 11g MIMO, 2462 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
April 14, 2025	WAC2	29 deg. C	23 % RH	Yuta Shiba	Below 1 GHz
February 19, 2025	WAC2	18 deg. C	28 % RH	Miku Ikudome	1 GHz to 2.8 GHz
March 3, 2025	WAC2	21 deg. C	39 % RH	Shiro Kobayashi	2.8 GHz to 10 GHz
March 5, 2025	WAC2	22 deg. C	28 % RH	Yuta Shiba	10 GHz to 18 GHz
March 7, 2025	WAC2	21 deg. C	32 % RH	Miku Ikudome	18 GHz to 26.5 GHz



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

Radiated Spurious Emission (Plot data, Worst case mode for Maximum Peak Output Power)

Mode	Tx BT LE 2 M-PHY, 2440 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
April 15, 2025	SAC3	23 deg. C	33 % RH	Yosuke Murakami	Below 1 GHz
February 21, 2025	WAC2	18 deg. C	25 % RH	Hiromasa Sato	1 GHz to 10 GHz
March 5, 2025	WAC2	22 deg. C	44 % RH	Shiro Kobayashi	10 GHz to 18 GHz
March 7, 2025	WAC2	21 deg. C	32 % RH	Miku Ikudome	18 GHz to 26.5 GHz



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

Radiated Spurious Emission

Mode	Tx 11ax-20(OFDM) MIMO, 2462 MHz with 11ac-20 5825 MHz
------	---

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
April 14, 2025	SAC3	29 deg. C	23 % RH	Yuta Shiba	Below 1 GHz
March 12, 2025	WAC2	20 deg. C	50 % RH	Shiro Kobayashi	1 GHz to 10 GHz
March 11, 2025	WAC2	23 deg. C	35 % RH	Miku Ikudome	10 GHz to 18 GHz
March 11, 2025	WAC2	23 deg. C	38 % RH	Yohsuke Matsuzawa	18 GHz to 26.5 GHz

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	43.305	QP	45.00	13.57	6.69	32.18	0.00	33.08	40.0	6.9	400	146	-
Hori.	55.172	QP	50.30	9.42	6.72	32.18	0.00	34.26	40.0	5.7	400	79	-
Hori.	57.505	QP	52.70	8.76	6.64	32.17	0.00	35.93	40.0	4.0	400	57	-
Hori.	60.710	QP	49.70	7.96	6.53	32.17	0.00	32.02	40.0	7.9	371	258	-
Hori.	70.020	QP	52.10	6.55	6.77	32.16	0.00	33.26	40.0	6.7	258	231	-
Hori.	129.808	QP	42.10	13.84	7.46	32.12	0.00	31.28	43.5	12.2	244	100	-
Hori.	155.816	QP	39.50	14.98	7.93	32.10	0.00	30.31	43.5	13.1	217	331	-
Hori.	2483.500	PK	61.20	27.80	-28.53	-	2.22	62.69	73.9	11.2	214	300	-
Hori.	4924.000	PK	47.04	32.14	-36.40	-	2.22	45.00	73.9	28.9	150	0	Floor Noise
Hori.	7386.000	PK	46.33	36.77	-34.55	-	2.22	50.77	73.9	23.1	150	0	Floor Noise
Hori.	9848.000	PK	46.75	38.07	-31.65	-	2.22	55.39	73.9	18.5	150	0	Floor Noise
Hori.	4924.000	AV	36.67	32.14	-36.40	-	2.22	34.63	53.9	19.2	150	0	Floor Noise
Hori.	7386.000	AV	35.87	36.77	-34.55	-	2.22	40.31	53.9	13.5	150	0	Floor Noise
Hori.	9848.000	AV	34.84	38.07	-31.65	-	2.22	43.48	53.9	10.4	150	0	Floor Noise
Vert.	38.284	QP	36.60	15.47	6.58	32.19	0.00	26.46	40.0	13.5	100	272	-
Vert.	43.310	QP	45.10	13.57	6.69	32.18	0.00	33.18	40.0	6.8	100	99	-
Vert.	55.200	QP	45.50	9.41	6.73	32.18	0.00	29.46	40.0	10.5	100	110	-
Vert.	57.513	QP	46.30	8.76	6.64	32.17	0.00	29.53	40.0	10.4	100	77	-
Vert.	70.081	QP	50.10	6.54	6.78	32.16	0.00	31.26	40.0	8.7	100	115	-
Vert.	2483.500	PK	62.83	27.80	-28.53	-	2.22	64.32	73.9	9.5	182	107	-
Vert.	4924.000	PK	47.61	32.14	-36.40	-	2.22	45.57	73.9	28.3	150	138	Floor Noise
Vert.	7386.000	PK	46.80	36.77	-34.55	-	2.22	51.24	73.9	22.6	150	162	Floor Noise
Vert.	9848.000	PK	46.56	38.07	-31.65	-	2.22	55.20	73.9	18.7	150	139	Floor Noise
Vert.	4924.000	AV	36.66	32.14	-36.40	-	2.22	34.62	53.9	19.2	150	138	Floor Noise
Vert.	7386.000	AV	35.95	36.77	-34.55	-	2.22	40.39	53.9	13.5	150	162	Floor Noise
Vert.	9848.000	AV	34.80	38.07	-31.65	-	2.22	43.44	53.9	10.4	150	139	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m] / 3.0[m]) = 2.22 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2483.500	AV	45.78	27.80	-28.53	-	0.03	2.22	47.30	53.9	6.6	*1)
Vert.	2483.500	AV	46.81	27.80	-28.53	-	0.03	2.22	48.33	53.9	5.5	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m] / 3.0[m]) = 2.22 [dB]$

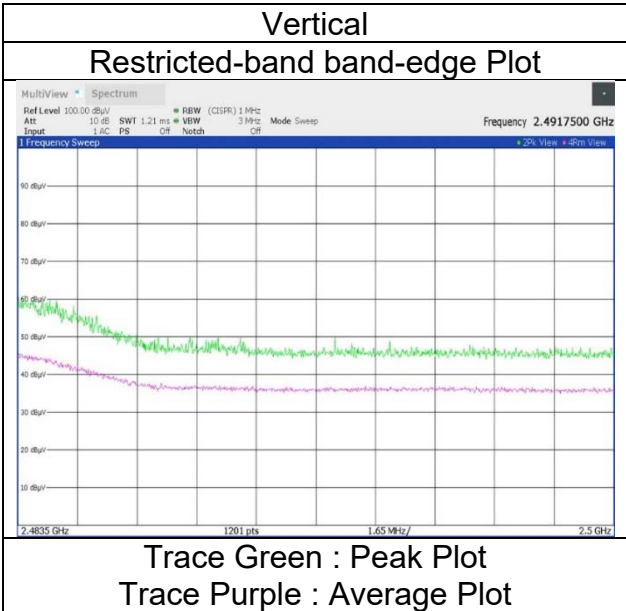
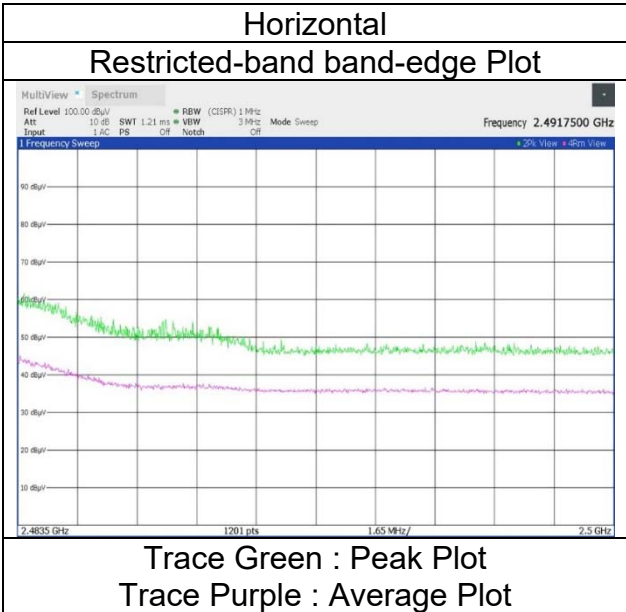
10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

Radiated Spurious Emission
(Reference Plot for band-edge)

Mode	Tx 11ax-20(OFDM) MIMO, 2462 MHz with 11ac-20 5825 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
March 12, 2025	WAC2	20 deg. C	50 % RH	Shiro Kobayashi	1 GHz to 10 GHz



* 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

Mode	Tx 11ax-20(OFDM) MIMO, 2462 MHz with 11ax-160(OFDM) 6665 MHz
------	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
April 14, 2025	SAC3	29 deg. C	23 % RH	Yuta Shiba	Below 1 GHz
March 12, 2025	WAC2	20 deg. C	50 % RH	Shiro Kobayashi	1 GHz to 10 GHz
March 11, 2025	WAC2	23 deg. C	35 % RH	Miku Ikudome	10 GHz to 18 GHz
March 11, 2025	WAC2	23 deg. C	38 % RH	Yohsuke Matsuzawa	18 GHz to 26.5 GHz

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	43.293	QP	45.20	13.58	6.69	32.18	0.00	33.29	40.0	6.7	400	151	-
Hori.	45.346	QP	44.50	12.84	6.73	32.18	0.00	31.89	40.0	8.1	400	202	-
Hori.	55.183	QP	50.00	9.42	6.72	32.18	0.00	33.96	40.0	6.0	400	39	-
Hori.	57.504	QP	52.70	8.76	6.64	32.17	0.00	35.93	40.0	4.0	400	240	-
Hori.	59.635	QP	51.10	8.22	6.56	32.17	0.00	33.71	40.0	6.2	379	238	-
Hori.	62.985	QP	46.40	7.55	6.51	32.17	0.00	28.29	40.0	11.7	376	251	-
Hori.	70.033	QP	52.00	6.55	6.77	32.16	0.00	33.16	40.0	6.8	266	231	-
Hori.	129.807	QP	42.00	13.84	7.46	32.12	0.00	31.18	43.5	12.3	234	92	-
Hori.	2483.500	PK	61.55	27.80	-28.53	-	2.22	63.04	73.9	10.8	213	301	-
Hori.	4924.000	PK	47.03	32.14	-36.40	-	2.22	44.99	73.9	28.9	150	0	Floor Noise
Hori.	7386.000	PK	46.23	36.77	-34.55	-	2.22	50.67	73.9	23.2	150	0	Floor Noise
Hori.	9848.000	PK	45.71	38.07	-31.65	-	2.22	54.35	73.9	19.5	150	0	Floor Noise
Hori.	4924.000	AV	36.46	32.14	-36.40	-	2.22	34.42	53.9	19.4	150	0	Floor Noise
Hori.	7386.000	AV	35.86	36.77	-34.55	-	2.22	40.30	53.9	13.6	150	0	Floor Noise
Hori.	9848.000	AV	34.95	38.07	-31.65	-	2.22	43.59	53.9	10.3	150	0	Floor Noise
Vert.	38.282	QP	36.90	15.47	6.58	32.19	0.00	26.76	40.0	13.2	100	274	-
Vert.	43.269	QP	44.70	13.59	6.69	32.18	0.00	32.80	40.0	7.2	100	120	-
Vert.	55.160	QP	45.10	9.42	6.72	32.18	0.00	29.06	40.0	10.9	100	97	-
Vert.	60.679	QP	46.60	7.97	6.53	32.17	0.00	28.93	40.0	11.0	100	210	-
Vert.	69.553	QP	50.30	6.59	6.75	32.16	0.00	31.48	40.0	8.5	100	120	-
Vert.	2483.500	PK	63.74	27.80	-28.53	-	2.22	65.23	73.9	8.6	177	106	-
Vert.	4924.000	PK	46.99	32.14	-36.40	-	2.22	44.95	73.9	28.9	150	0	Floor Noise
Vert.	7386.000	PK	46.84	36.77	-34.55	-	2.22	51.28	73.9	22.6	150	0	Floor Noise
Vert.	9848.000	PK	45.68	38.07	-31.65	-	2.22	54.32	73.9	19.5	150	0	Floor Noise
Vert.	4924.000	AV	36.56	32.14	-36.40	-	2.22	34.52	53.9	19.3	150	0	Floor Noise
Vert.	7386.000	AV	36.07	36.77	-34.55	-	2.22	40.51	53.9	13.3	150	0	Floor Noise
Vert.	9848.000	AV	35.09	38.07	-31.65	-	2.22	43.73	53.9	10.1	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2483.500	AV	45.49	27.80	-28.53	-	0.03	2.22	47.01	53.9	6.8	*1)
Vert.	2483.500	AV	47.70	27.80	-28.53	-	0.03	2.22	49.22	53.9	4.6	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

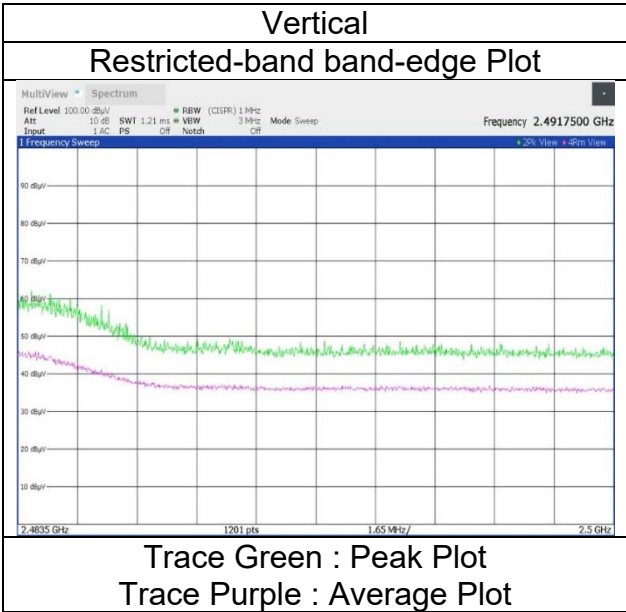
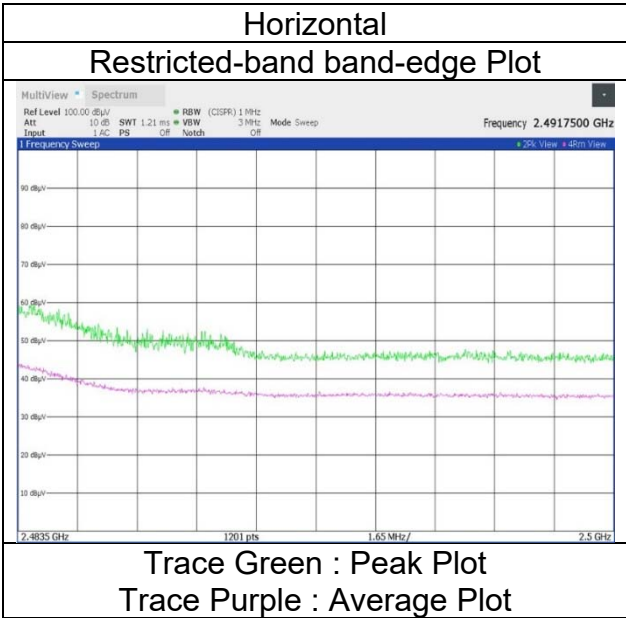
10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

**Radiated Spurious Emission
(Reference Plot for band-edge)**

Mode	Tx 11ax-20(OFDM) MIMO, 2462 MHz with 11ax-160(OFDM) 6665 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
March 12, 2025	WAC2	20 deg. C	50 % RH	Shiro Kobayashi	1 GHz to 10 GHz



* 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

Mode	Tx BT LE 1 M-PHY 2480 MHz with 11ax-20(OFDM) 5825 MHz
------	---

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
April 15, 2025	SAC3	23 deg. C	33 % RH	Yosuke Murakami	Below 1 GHz
March 12, 2025	WAC2	20 deg. C	50 % RH	Shiro Kobayashi	1 GHz to 10 GHz
March 11, 2025	WAC2	23 deg. C	35 % RH	Miku Ikudome	10 GHz to 18 GHz
March 11, 2025	WAC2	23 deg. C	38 % RH	Yohsuke Matsuzawa	18 GHz to 26.5 GHz

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	47.518	QP	41.90	12.04	6.75	32.18	0.00	28.51	40.0	11.4	400	307	-
Hori.	57.482	QP	45.30	8.77	6.64	32.17	0.00	28.54	40.0	11.4	378	153	-
Hori.	62.614	QP	49.10	7.61	6.51	32.17	0.00	31.05	40.0	8.9	359	221	-
Hori.	63.529	QP	49.80	7.47	6.50	32.17	0.00	31.60	40.0	8.4	357	220	-
Hori.	67.255	QP	50.40	6.85	6.61	32.17	0.00	31.69	40.0	8.3	274	89	-
Hori.	72.275	QP	46.90	6.35	6.98	32.16	0.00	28.07	40.0	11.9	248	81	-
Hori.	2326.375	PK	51.97	27.54	-28.63	-	2.22	53.10	73.9	20.8	355	58	-
Hori.	2352.265	PK	55.62	27.63	-28.61	-	2.22	56.86	73.9	17.0	352	60	-
Hori.	2483.500	PK	47.97	27.80	-28.53	-	2.22	49.46	73.9	24.4	128	51	-
Hori.	4960.000	PK	47.07	32.23	-36.40	-	2.22	45.12	73.9	28.7	150	0	Floor Noise
Hori.	7440.000	PK	46.89	36.81	-34.46	-	2.22	51.46	73.9	22.4	150	0	Floor Noise
Hori.	9920.000	PK	45.12	38.04	-31.57	-	2.22	53.81	73.9	20.0	150	0	Floor Noise
Hori.	4960.000	AV	36.67	32.23	-36.40	-	2.22	34.72	53.9	19.1	150	0	Floor Noise
Hori.	7440.000	AV	36.66	36.81	-34.46	-	2.22	41.23	53.9	12.6	150	0	Floor Noise
Hori.	9920.000	AV	34.68	38.04	-31.57	-	2.22	43.37	53.9	10.5	150	0	Floor Noise
Vert.	41.462	QP	38.70	14.25	6.64	32.18	0.00	27.41	40.0	12.5	100	280	-
Vert.	67.316	QP	49.20	6.85	6.61	32.17	0.00	30.49	40.0	9.5	100	84	-
Vert.	68.322	QP	48.50	6.73	6.67	32.17	0.00	29.73	40.0	10.2	100	90	-
Vert.	71.871	QP	46.80	6.38	6.94	32.16	0.00	27.96	40.0	12.0	100	150	-
Vert.	476.553	QP	40.60	16.77	9.68	31.98	0.00	35.07	46.0	10.9	131	306	-
Vert.	2326.375	PK	51.69	27.54	-28.63	-	2.22	52.82	73.9	21.0	218	61	-
Vert.	2352.265	PK	52.79	27.63	-28.61	-	2.22	54.03	73.9	19.8	354	113	-
Vert.	2483.500	PK	49.35	27.80	-28.53	-	2.22	50.84	73.9	23.0	251	93	-
Vert.	4960.000	PK	47.23	32.23	-36.40	-	2.22	45.28	73.9	28.6	150	0	Floor Noise
Vert.	7440.000	PK	47.33	36.81	-34.46	-	2.22	51.90	73.9	22.0	150	0	Floor Noise
Vert.	9920.000	PK	45.52	38.04	-31.57	-	2.22	54.21	73.9	19.6	150	0	Floor Noise
Vert.	4960.000	AV	36.31	32.23	-36.40	-	2.22	34.36	53.9	19.5	150	0	Floor Noise
Vert.	7440.000	AV	36.42	36.81	-34.46	-	2.22	40.99	53.9	12.9	150	0	Floor Noise
Vert.	9920.000	AV	34.71	38.04	-31.57	-	2.22	43.40	53.9	10.5	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2326.375	AV	44.16	27.54	-28.63	-	2.01	2.22	47.30	53.9	6.6	*2)
Hori.	2352.265	AV	50.03	27.63	-28.61	-	2.01	2.22	53.28	53.9	0.6	*2)
Hori.	2483.500	AV	36.38	27.80	-28.53	-	2.01	2.22	39.88	53.9	14.0	*1)
Vert.	2326.375	AV	44.38	27.54	-28.63	-	2.01	2.22	47.52	53.9	6.3	*2)
Vert.	2352.265	AV	50.28	27.63	-28.61	-	2.01	2.22	53.53	53.9	0.3	*2)
Vert.	2483.500	AV	36.96	27.80	-28.53	-	2.01	2.22	40.46	53.9	13.4	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m]/3.0[m]) = 2.22[dB]$

10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

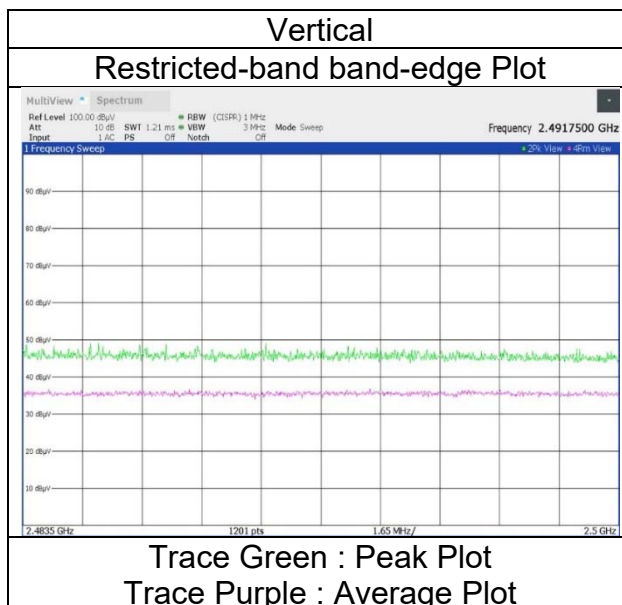
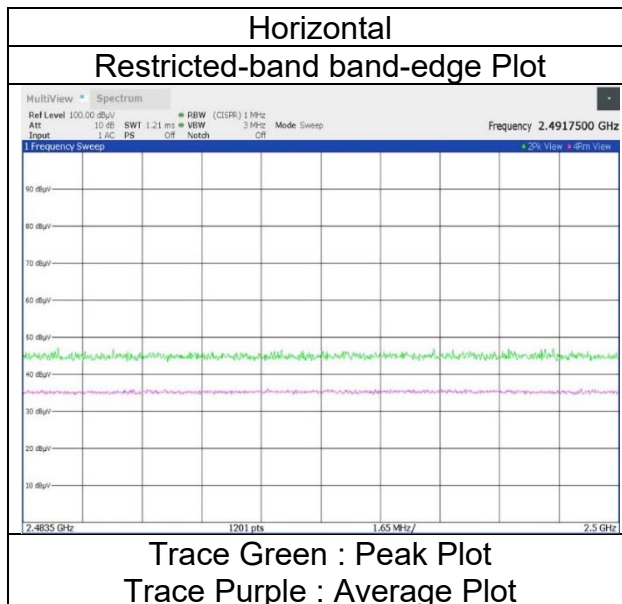
Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

*2) Noise synchronized with duty of carrier frequency.

Radiated Spurious Emission (Reference Plot for band-edge)

Mode	Tx BT LE 1 M-PHY 2480 MHz with 11ax-20(OFDM) 5825 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
March 12, 2025	WAC2	20 deg. C	50 % RH	Shiro Kobayashi	1 GHz to 10 GHz



* 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

Mode	Tx BT LE 1 M-PHY 2480 MHz with 11ax-160(OFDM) 6665 MHz
------	--

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
April 15, 2025	SAC3	23 deg. C	33 % RH	Yosuke Murakami	Below 1 GHz
March 12, 2025	WAC2	20 deg. C	50 % RH	Shiro Kobayashi	1 GHz to 10 GHz
March 11, 2025	WAC2	23 deg. C	35 % RH	Miku Ikudome	10 GHz to 18 GHz
March 11, 2025	WAC2	23 deg. C	38 % RH	Yohsuke Matsuzawa	18 GHz to 26.5 GHz

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	47.518	QP	42.40	12.04	6.75	32.18	0.00	29.01	40.0	10.9	400	306	-
Hori.	57.482	QP	45.10	8.77	6.64	32.17	0.00	28.34	40.0	11.6	380	153	-
Hori.	62.614	QP	49.00	7.61	6.51	32.17	0.00	30.95	40.0	9.0	359	220	-
Hori.	63.529	QP	49.40	7.47	6.50	32.17	0.00	31.20	40.0	8.8	359	220	-
Hori.	67.255	QP	50.90	6.85	6.61	32.17	0.00	32.19	40.0	7.8	274	90	-
Hori.	72.275	QP	47.30	6.35	6.98	32.16	0.00	28.47	40.0	11.5	250	80	-
Hori.	2326.376	PK	51.95	27.54	-28.63	-	2.22	53.08	73.9	20.8	354	55	-
Hori.	2352.023	PK	56.45	27.63	-28.61	-	2.22	57.69	73.9	16.2	348	61	-
Hori.	2483.500	PK	47.36	27.80	-28.53	-	2.22	48.85	73.9	25.0	122	55	-
Hori.	4960.000	PK	47.86	32.23	-36.40	-	2.22	45.91	73.9	27.9	150	0	Floor Noise
Hori.	7440.000	PK	48.24	36.81	-34.46	-	2.22	52.81	73.9	21.0	150	0	Floor Noise
Hori.	9920.000	PK	46.60	38.04	-31.57	-	2.22	55.29	73.9	18.6	150	0	Floor Noise
Hori.	4960.000	AV	36.54	32.23	-36.40	-	2.22	34.59	53.9	19.3	150	0	Floor Noise
Hori.	7440.000	AV	36.21	36.81	-34.46	-	2.22	40.78	53.9	13.1	150	0	Floor Noise
Hori.	9920.000	AV	34.83	38.04	-31.57	-	2.22	43.52	53.9	10.3	150	0	Floor Noise
Vert.	41.462	QP	39.00	14.25	6.64	32.18	0.00	27.71	40.0	12.2	100	283	-
Vert.	67.316	QP	49.40	6.85	6.61	32.17	0.00	30.69	40.0	9.3	100	86	-
Vert.	68.322	QP	48.90	6.73	6.67	32.17	0.00	30.13	40.0	9.8	100	88	-
Vert.	71.871	QP	47.80	6.38	6.94	32.16	0.00	28.96	40.0	11.0	100	151	-
Vert.	476.553	QP	40.90	16.77	9.68	31.98	0.00	35.37	46.0	10.6	130	307	-
Vert.	2326.600	PK	51.66	27.54	-28.63	-	2.22	52.79	73.9	21.1	150	63	-
Vert.	2352.027	PK	56.93	27.63	-28.61	-	2.22	58.17	73.9	15.7	358	90	-
Vert.	2483.500	PK	48.64	27.80	-28.53	-	2.22	50.13	73.9	23.7	238	99	-
Vert.	4960.000	PK	46.87	32.23	-36.40	-	2.22	44.92	73.9	28.9	150	0	Floor Noise
Vert.	7440.000	PK	46.88	36.81	-34.46	-	2.22	51.45	73.9	22.4	150	0	Floor Noise
Vert.	9920.000	PK	45.38	38.04	-31.57	-	2.22	54.07	73.9	19.8	150	0	Floor Noise
Vert.	4960.000	AV	36.32	32.23	-36.40	-	2.22	34.37	53.9	19.5	150	0	Floor Noise
Vert.	7440.000	AV	36.30	36.81	-34.46	-	2.22	40.87	53.9	13.0	150	0	Floor Noise
Vert.	9920.000	AV	34.81	38.04	-31.57	-	2.22	43.50	53.9	10.4	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

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

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m] / 3.0[m]) = 2.22 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

Average measurement value with Duty Factor

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Duty Fac. [dB]	Distance Fac. [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
Hori.	2326.376	AV	44.56	27.54	-28.63	-	2.01	2.22	47.70	53.9	6.2	*2)
Hori.	2352.023	AV	50.11	27.63	-28.61	-	2.01	2.22	53.36	53.9	0.5	*2)
Hori.	2483.500	AV	36.44	27.80	-28.53	-	2.01	2.22	39.94	53.9	13.9	*1)
Vert.	2326.600	AV	44.17	27.54	-28.63	-	2.01	2.22	47.31	53.9	6.5	*2)
Vert.	2352.027	AV	50.34	27.63	-28.61	-	2.01	2.22	53.59	53.9	0.3	*2)
Vert.	2483.500	AV	36.84	27.80	-28.53	-	2.01	2.22	40.34	53.9	13.5	*1)

Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.87[m] / 3.0[m]) = 2.22 [dB]$

10 GHz to 40 GHz : $20\log(1.00[m] / 3.0[m]) = -9.54 [dB]$

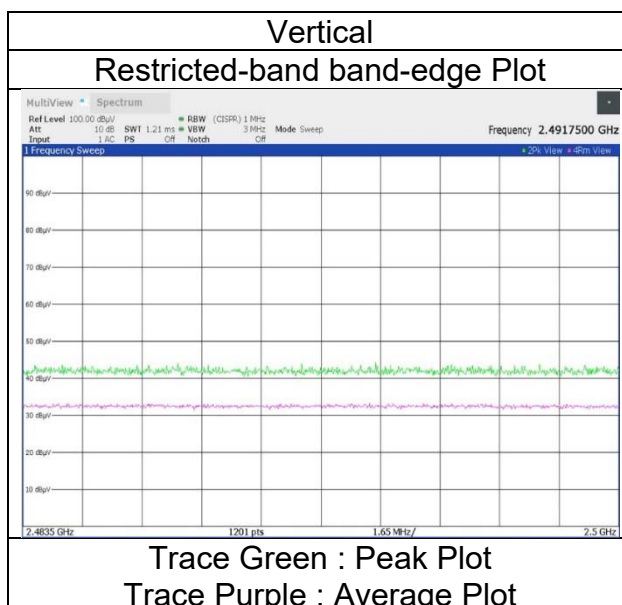
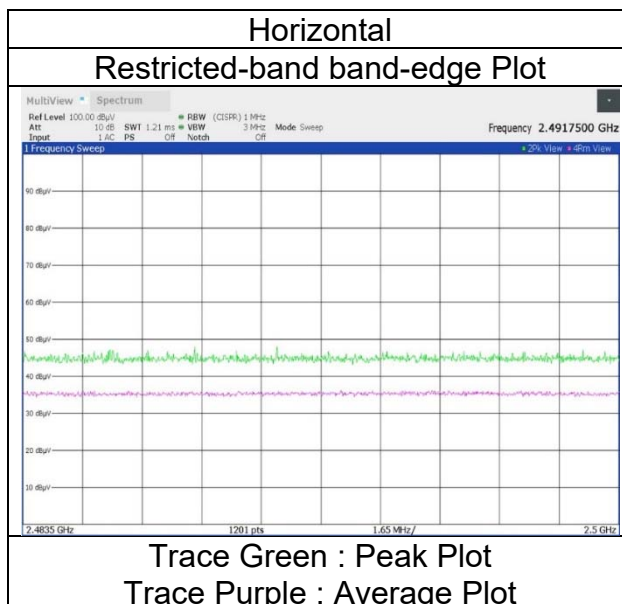
Duty factor refer to "Burst rate confirmation" sheet.

*1) Not out of band emission (Leakage Power)

*2) Noise synchronized with duty of carrier frequency.

Radiated Spurious Emission (Reference Plot for band-edge)

Mode	Tx BT LE 1 M-PHY 2480 MHz with 11ax-160(OFDM) 6665 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
March 12, 2025	WAC2	20 deg. C	50 % RH	Shiro Kobayashi	1 GHz to 10 GHz

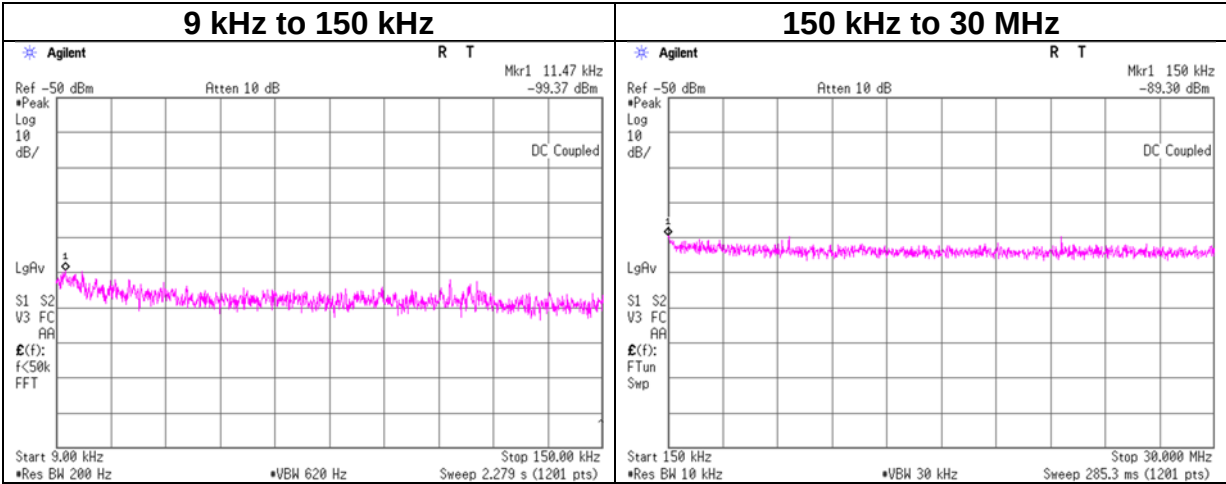


* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

Conducted Spurious Emission

Mode	Tx 11g MIMO, 2462 MHz, ANT2
------	-----------------------------

Date	Test Place	Temperature	Humidity	Engineer
January 6, 2025	SR5	21 deg. C	27 % RH	Makoto Hosaka



Frequency	Reading	Cable Loss	Attenuator Loss	Antenna Gain *	N (Number of Output)	EIRP	Distance	Ground bounce	E (field strength)	Limit	Margin	Remark
[kHz]	[dBm]	[dB]	[dB]	[dBi]		[dBm]	[m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
11.47	-99.4	0.0	10.1	2.0	2.0	-84.2	300	6.0	-23.0	46.4	69.4	-
150.00	-89.3	0.0	10.1	2.0	2.0	-74.2	300	6.0	-12.9	24.0	36.9	-

$E \text{ [dBuV/m]} = \text{EIRP [dBm]} - 20 \log (\text{Distance [m]}) + \text{Ground bounce [dB]} + 104.8 \text{ [dBuV/m]}$

$\text{EIRP [dBm]} = \text{Reading [dBm]} + \text{Cable loss [dB]} + \text{Attenuator Loss [dB]} + \text{Antenna gain [dBi]} + 10 * \log (N)$

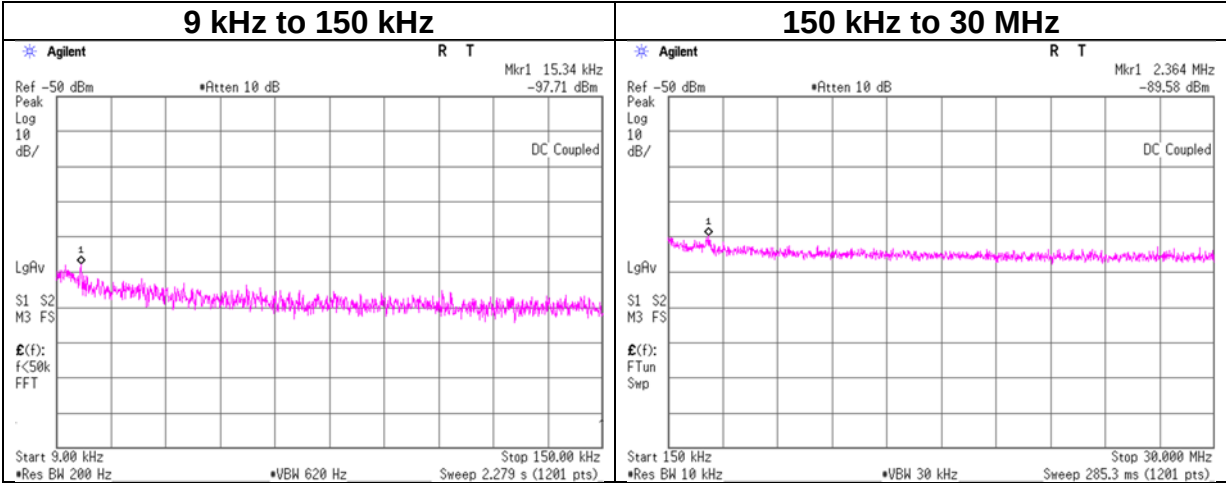
N: Number of output

*2.0 dBi was applied to the test result based on ANSI C63.10 since antenna gain was less than 2.0 dBi.

Conducted Spurious Emission

Mode	Tx BT LE 2M-PHY 2440 MHz
------	--------------------------

Date	Test Place	Temperature	Humidity	Engineer
December 19, 2024	SR5	24 deg. C	44 % RH	Yuta Shiba



Frequency	Reading	Cable Loss	Attenuator Loss	Antenna Gain *	N (Number of Output)	EIRP	Distance	Ground bounce	E (field strength)	Limit	Margin	Remark
[kHz]	[dBm]	[dB]	[dB]	[dBi]		[dBm]	[m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
15.34	-97.7	0.0	10.1	2.0	1.0	-85.6	300	6.0	-24.3	43.8	68.1	-
2364.00	-89.6	0.0	10.1	2.0	1.0	-77.5	30	6.0	3.8	29.5	25.7	-

$E\text{ [dBuV/m]} = EIRP\text{ [dBm]} - 20 \log(\text{Distance [m]}) + \text{Ground bounce [dB]} + 104.8\text{ [dBuV/m]}$

$EIRP\text{[dBm]} = \text{Reading [dBm]} + \text{Cable loss [dB]} + \text{Attenuator Loss [dB]} + \text{Antenna gain [dBi]} + 10 * \log(N)$

N: Number of output

*2.0 dBi was applied to the test result based on ANSI C63.10 since antenna gain was less than 2.0 dBi.

Power Density

Mode	Tx 11b MIMO
------	-------------

Date	Test Place	Temperature	Humidity	Engineer
December 24, 2024	SR5	21 deg. C	40 % RH	Hiromasa Sato

ANT1 + ANT2

Tested Frequency [MHz]	ANT1 Result [mW / 3 kHz]	ANT2 Result [mW / 3 kHz]	Result		Limit [dBm / 3 kHz]	Margin [dB]
			[mW / 3 kHz]	[dBm / 3 kHz]		
2412	0.07	0.14	0.20	-6.89	8.00	14.89
2437	0.07	0.09	0.16	-7.86	8.00	15.86
2462	0.07	0.08	0.16	-8.02	8.00	16.02

Sample Calculation:

$$\text{Result} = \text{ANT1} + \text{ANT2}$$

ANT1

Tested Frequency [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit [dBm / 3 kHz]	Margin [dB]
				[dBm / 3 kHz]	[mW / 3 kHz]		
2412	-22.92	1.00	10.18	-11.74	0.07	8.00	19.74
2437	-22.53	1.02	10.18	-11.33	0.07	8.00	19.33
2462	-22.51	1.07	10.18	-11.26	0.07	8.00	19.26

ANT2

Tested Frequency [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit [dBm / 3 kHz]	Margin [dB]
				[dBm / 3 kHz]	[mW / 3 kHz]		
2412	-19.57	1.02	9.94	-8.61	0.14	8.00	16.61
2437	-21.44	1.05	9.94	-10.45	0.09	8.00	18.45
2462	-21.84	1.09	9.94	-10.81	0.08	8.00	18.81

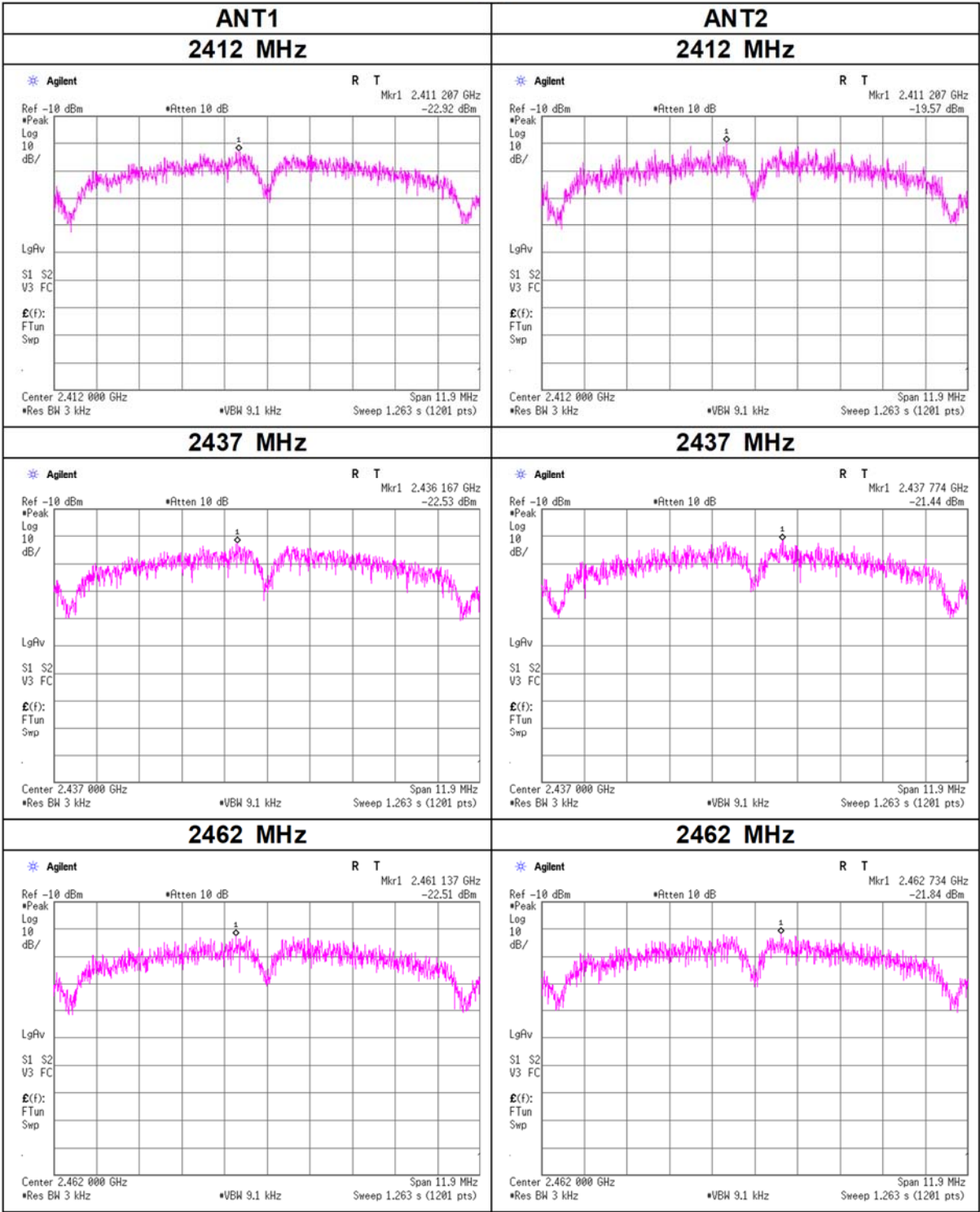
Sample Calculation:

PSD: Power Spectral Density

$$\text{PSD (Conducted) Result} = \text{Reading} + \text{Cable Loss} + \text{Atten. Loss}$$

Power Density

11b



Power Density

Mode	Tx 11g MIMO
------	-------------

Date	Test Place	Temperature	Humidity	Engineer
December 24, 2024	SR5	21 deg. C	40 % RH	Hiromasa Sato

ANT1 + ANT2

Tested Frequency [MHz]	ANT1 Result [mW / 3 kHz]	ANT2 Result [mW / 3 kHz]	Result		Limit [dBm / 3 kHz]	Margin [dB]
			[mW / 3 kHz]	[dBm / 3 kHz]		
2412	0.02	0.02	0.04	-14.31	8.00	22.31
2437	0.02	0.02	0.04	-14.50	8.00	22.50
2462	0.02	0.02	0.04	-14.28	8.00	22.28

Sample Calculation:
Result = ANT1 + ANT2

ANT1

Tested Frequency [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit [dBm / 3 kHz]	Margin [dB]
				[dBm / 3 kHz]	[mW / 3 kHz]		
2412	-28.95	1.00	10.17	-17.78	0.02	8.00	25.78
2437	-29.01	1.02	10.17	-17.82	0.02	8.00	25.82
2462	-28.16	1.07	10.17	-16.92	0.02	8.00	24.92

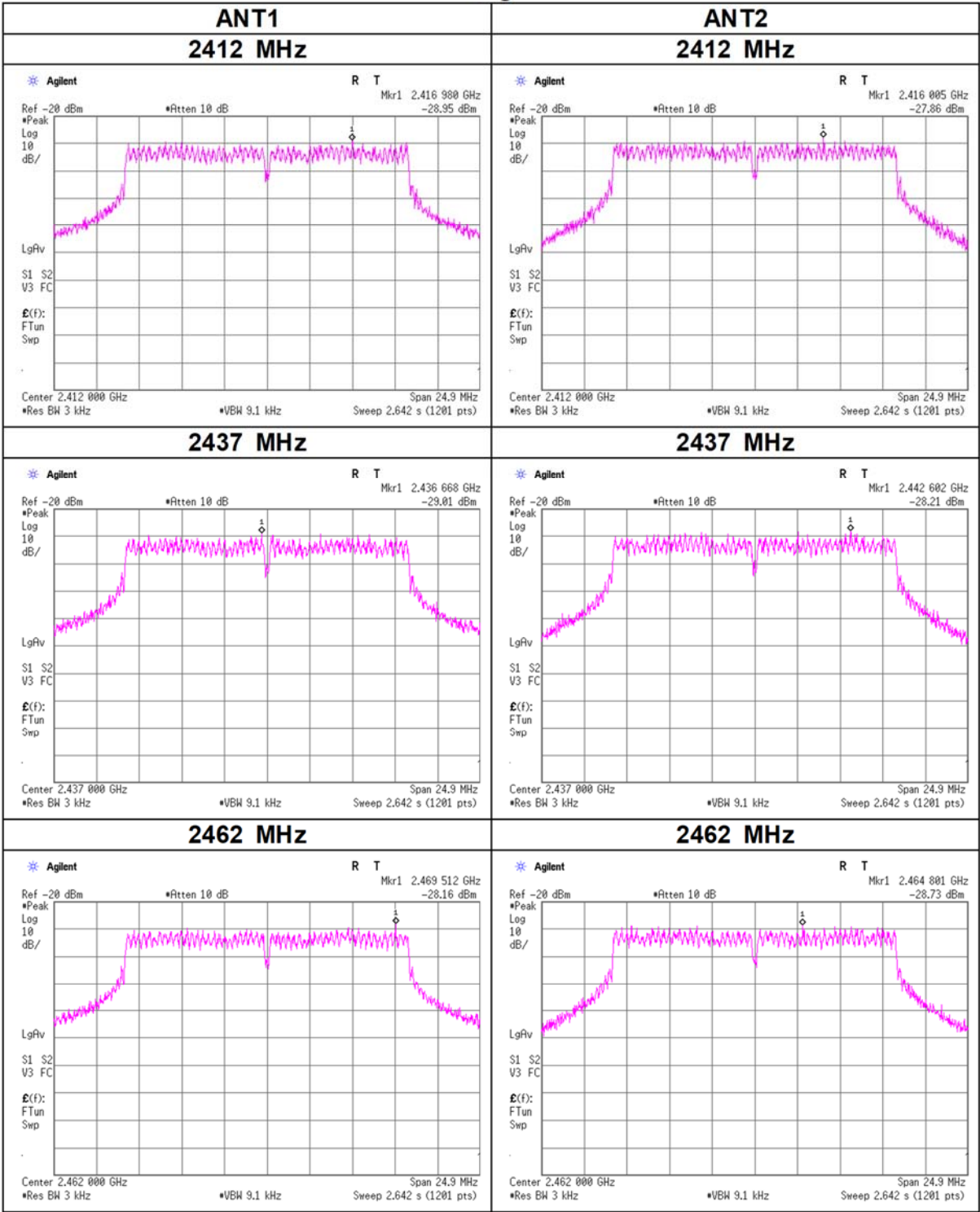
ANT2

Tested Frequency [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit [dBm / 3 kHz]	Margin [dB]
				[dBm / 3 kHz]	[mW / 3 kHz]		
2412	-27.86	1.02	9.94	-16.90	0.02	8.00	24.90
2437	-28.21	1.05	9.94	-17.22	0.02	8.00	25.22
2462	-28.73	1.09	9.94	-17.70	0.02	8.00	25.70

Sample Calculation:
PSD: Power Spectral Density
PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss

Power Density

11g



Power Density

Mode	Tx 11n-20 MIMO
------	----------------

Date	Test Place	Temperature	Humidity	Engineer
December 24, 2024	SR5	21 deg. C	40 % RH	Hiromasa Sato

ANT1 + ANT2

Tested Frequency [MHz]	ANT1 Result [mW / 3 kHz]	ANT2 Result [mW / 3 kHz]	Result		Limit [dBm / 3 kHz]	Margin [dB]
			[mW / 3 kHz]	[dBm / 3 kHz]		
2412	0.01	0.01	0.02	-16.37	8.00	24.37
2437	0.01	0.01	0.02	-16.24	8.00	24.24
2462	0.01	0.01	0.02	-16.33	8.00	24.33

Sample Calculation:

Result = ANT1 + ANT2

ANT1

Tested Frequency [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit [dBm / 3 kHz]	Margin [dB]
				[dBm / 3 kHz]	[mW / 3 kHz]		
2412	-30.53	1.00	10.17	-19.36	0.01	8.00	27.36
2437	-30.59	1.02	10.17	-19.40	0.01	8.00	27.40
2462	-30.56	1.07	10.17	-19.32	0.01	8.00	27.32

ANT2

Tested Frequency [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit [dBm / 3 kHz]	Margin [dB]
				[dBm / 3 kHz]	[mW / 3 kHz]		
2412	-30.37	1.02	9.94	-19.41	0.01	8.00	27.41
2437	-30.10	1.05	9.94	-19.11	0.01	8.00	27.11
2462	-30.38	1.09	9.94	-19.35	0.01	8.00	27.35

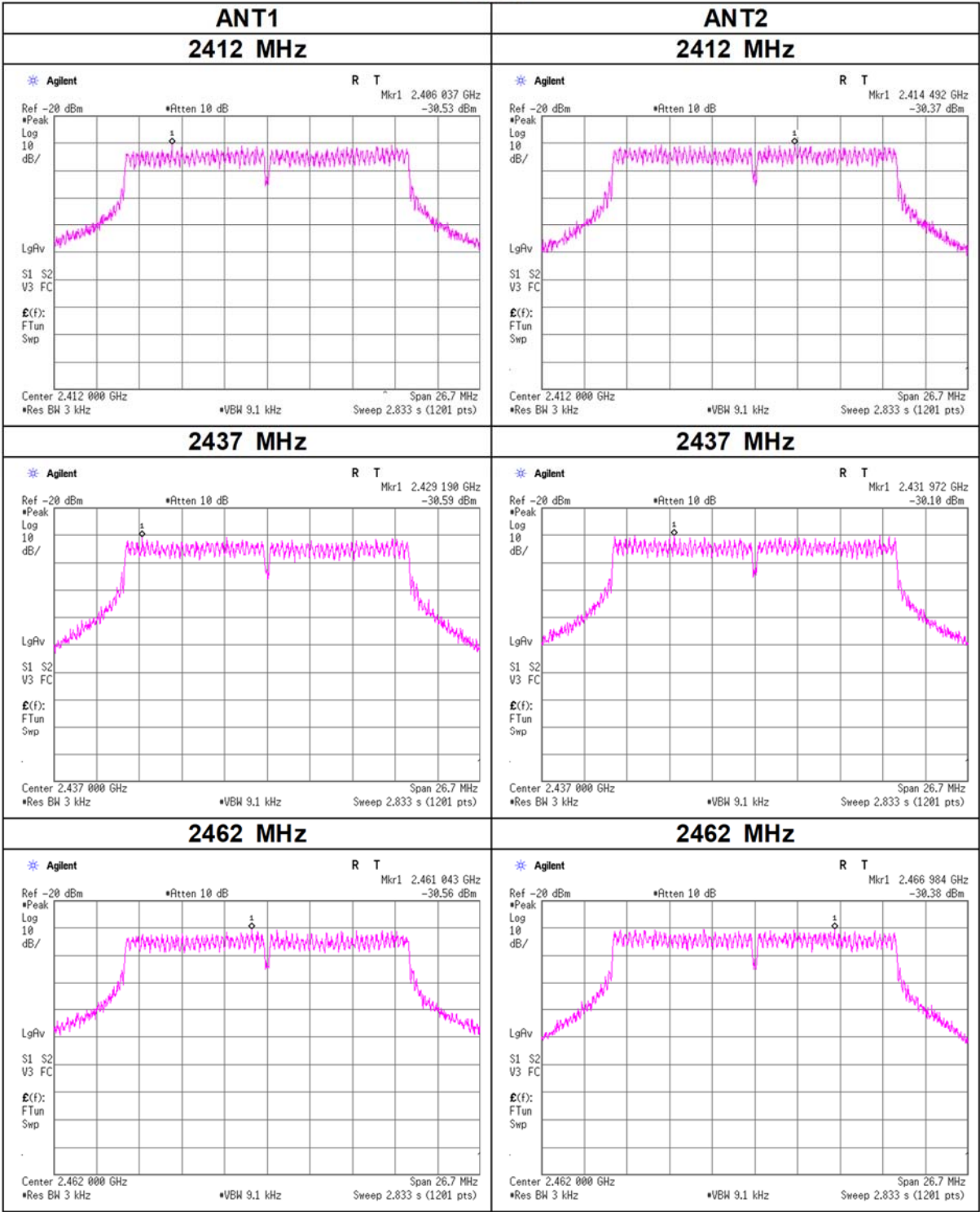
Sample Calculation:

PSD: Power Spectral Density

PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss

Power Density

11n-20



Power Density

Mode	Tx 11ax-20(OFDM) MIMO
------	-----------------------

Date	Test Place	Temperature	Humidity	Engineer
December 24, 2024	SR5	21 deg. C	40 % RH	Hiromasa Sato

ANT1 + ANT2

Tested Frequency [MHz]	ANT1 Result [mW / 3 kHz]	ANT2 Result [mW / 3 kHz]	Result		Limit [dBm / 3 kHz]	Margin [dB]
			[mW / 3 kHz]	[dBm / 3 kHz]		
2412	0.01	0.01	0.02	-18.20	8.00	26.20
2437	0.01	0.01	0.02	-17.73	8.00	25.73
2462	0.01	0.01	0.02	-17.48	8.00	25.48

Sample Calculation:
Result = ANT1 + ANT2

ANT1

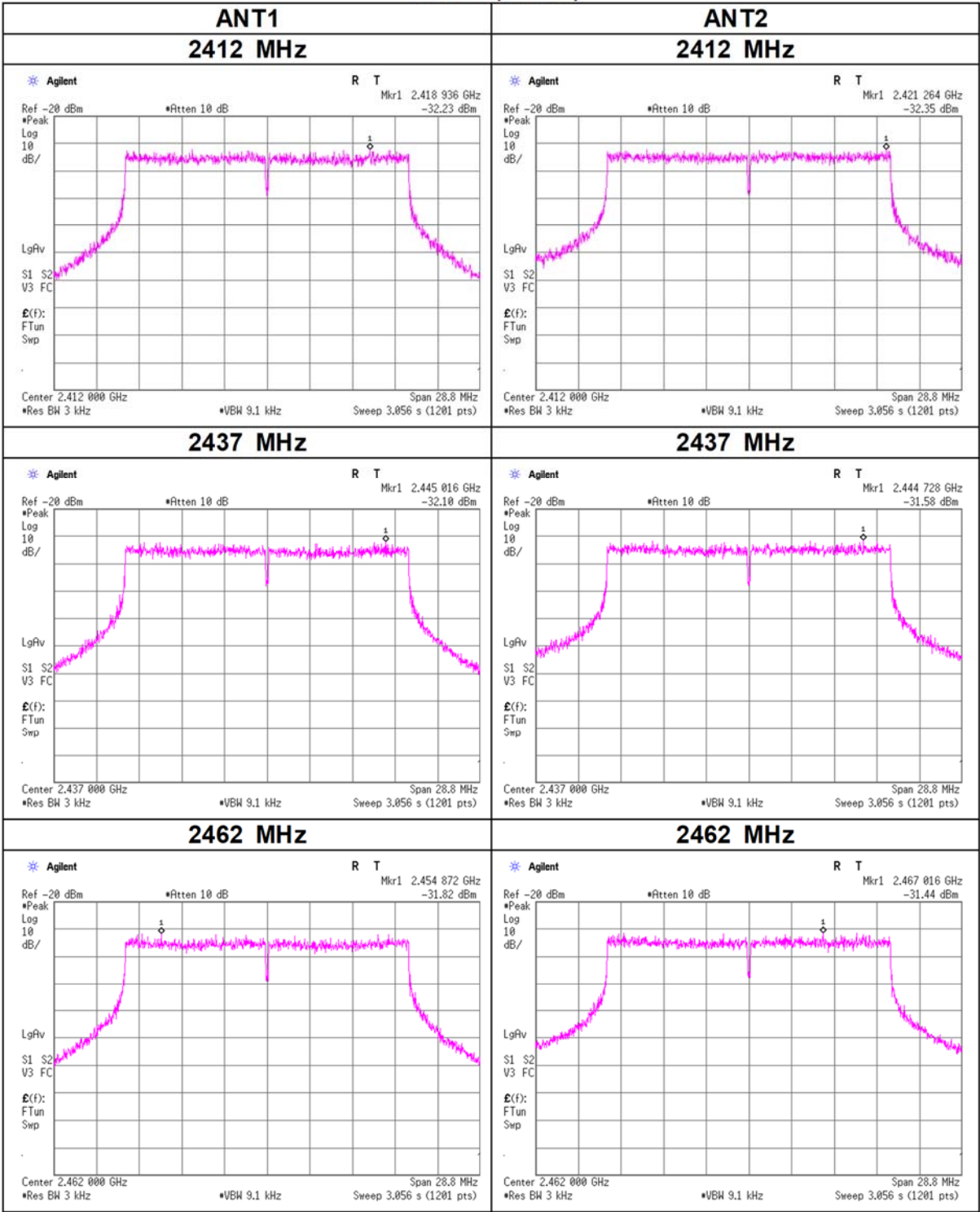
Tested Frequency [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit [dBm / 3 kHz]	Margin [dB]
				[dBm / 3 kHz]	[mW / 3 kHz]		
2412	-32.23	1.00	10.18	-21.05	0.01	8.00	29.05
2437	-32.10	1.02	10.18	-20.90	0.01	8.00	28.90
2462	-31.82	1.07	10.18	-20.57	0.01	8.00	28.57

ANT2

Tested Frequency [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		Limit [dBm / 3 kHz]	Margin [dB]
				[dBm / 3 kHz]	[mW / 3 kHz]		
2412	-32.35	1.02	9.94	-21.39	0.01	8.00	29.39
2437	-31.58	1.05	9.94	-20.59	0.01	8.00	28.59
2462	-31.44	1.09	9.94	-20.41	0.01	8.00	28.41

Sample Calculation:
PSD: Power Spectral Density
PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss

Power Density
11ax-20(OFDM)



Power Density

Mode	Tx 11ax-20(OFDMA) 26-tone RU, MIMO
------	------------------------------------

Date	Test Place	Temperature	Humidity	Engineer
December 25, 2024	SR5	21 deg. C	41 % RH	Yohsuke Matsuzawa

ANT1 + ANT2

Tested Frequency	RU Index	ANT1 Result	ANT2 Result	Result		Limit	Margin
				[mW / 3 kHz]	[dBm / 3 kHz]		
[MHz]		[mW / 3 kHz]	[mW / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	0	0.07	0.10	0.18	-7.53	8.00	15.53
2437	4	0.07	0.09	0.16	-7.96	8.00	15.96
2462	8	0.08	0.10	0.18	-7.49	8.00	15.49

Sample Calculation:
Result = ANT1 + ANT2

ANT1

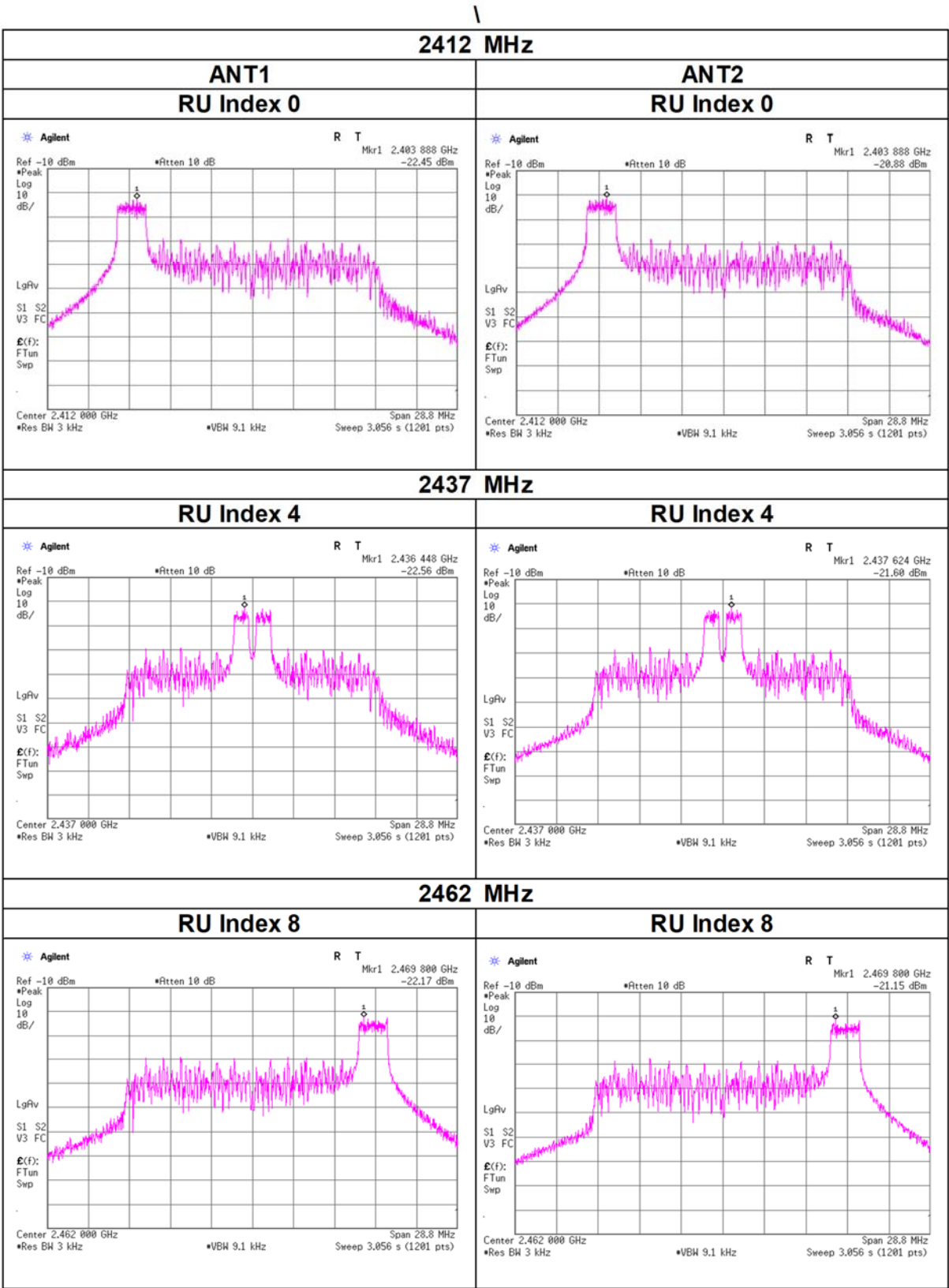
Tested Frequency	RU Index	PSD Reading	Cable Loss	Atten. Loss	Result		Limit	Margin
					[dBm / 3 kHz]	[mW / 3 kHz]		
[MHz]		[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	0	-22.45	1.00	10.18	-11.27	0.07	8.00	19.27
2437	4	-22.56	1.02	10.18	-11.36	0.07	8.00	19.36
2462	8	-22.17	1.07	10.18	-10.92	0.08	8.00	18.92

ANT2

Tested Frequency	RU Index	PSD Reading	Cable Loss	Atten. Loss	Result		Limit	Margin
					[dBm / 3 kHz]	[mW / 3 kHz]		
[MHz]		[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	0	-20.88	1.02	9.94	-9.92	0.10	8.00	17.92
2437	4	-21.60	1.05	9.94	-10.61	0.09	8.00	18.61
2462	8	-21.15	1.09	9.94	-10.12	0.10	8.00	18.12

Sample Calculation:
PSD: Power Spectral Density
PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss

Power Density



Power Density

Mode	Tx 11ax-20(OFDMA) 52-tone RU, MIMO
------	------------------------------------

Date	Test Place	Temperature	Humidity	Engineer
December 25, 2024	SR5	21 deg. C	41 % RH	Yohsuke Matsuzawa

ANT1 + ANT2

Tested Frequency [MHz]	RU Index	ANT1 Result	ANT2 Result	Result		Limit	Margin
		[mW / 3 kHz]	[mW / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	37	0.03	0.05	0.08	-11.13	8.00	19.13
2437	38	0.05	0.05	0.10	-10.22	8.00	18.22
2462	40	0.03	0.04	0.07	-11.46	8.00	19.46

Sample Calculation:

$$\text{Result} = \text{ANT1} + \text{ANT2}$$

ANT1

Tested Frequency [MHz]	RU Index	PSD Reading	Cable Loss	Atten. Loss	Result		Limit	Margin
		[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	37	-26.12	1.00	10.17	-14.95	0.03	8.00	22.95
2437	38	-24.26	1.02	10.17	-13.07	0.05	8.00	21.07
2462	40	-25.84	1.07	10.17	-14.60	0.03	8.00	22.60

ANT2

Tested Frequency [MHz]	RU Index	PSD Reading	Cable Loss	Atten. Loss	Result		Limit	Margin
		[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	37	-24.42	1.02	9.94	-13.46	0.05	8.00	21.46
2437	38	-24.39	1.05	9.94	-13.40	0.05	8.00	21.40
2462	40	-25.37	1.09	9.94	-14.34	0.04	8.00	22.34

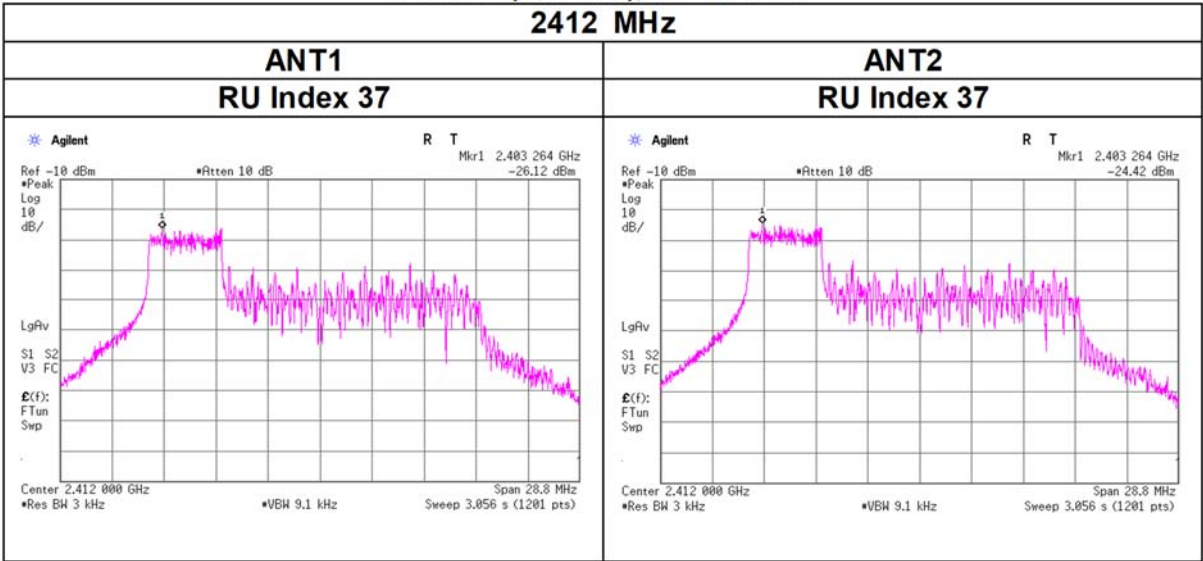
Sample Calculation:

PSD: Power Spectral Density

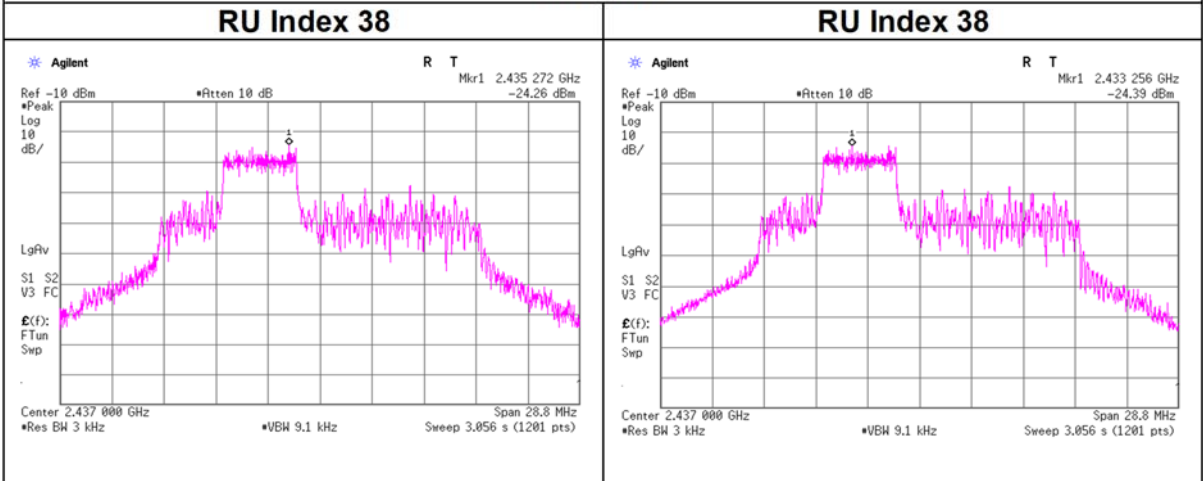
$$\text{PSD (Conducted) Result} = \text{Reading} + \text{Cable Loss} + \text{Atten. Loss}$$

Power Density

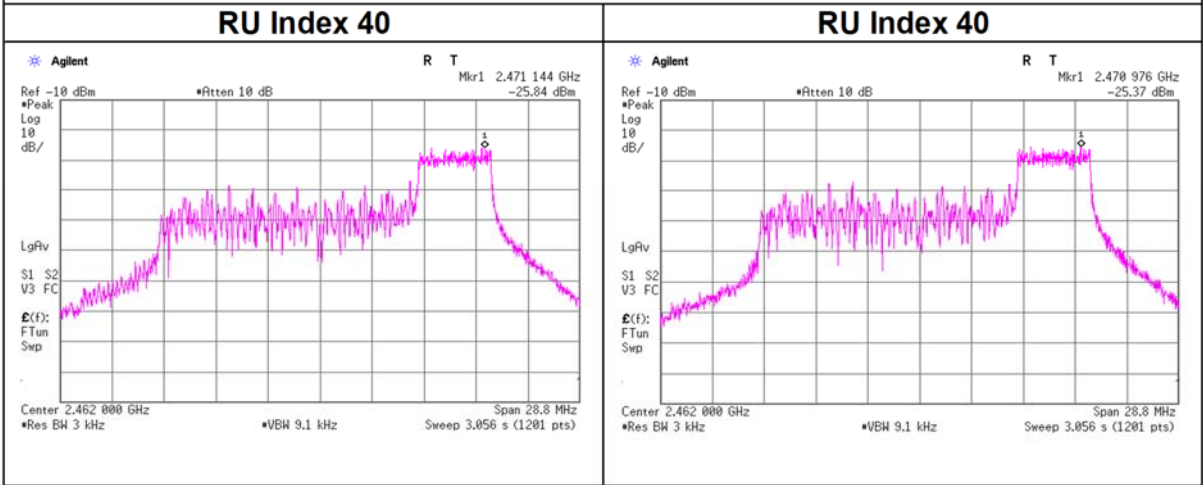
11ax-20(OFDMA), 52-tone RU
2412 MHz



2437 MHz



2462 MHz



Power Density

Mode	Tx 11ax-20(OFDMA) 106-tone RU, MIMO
------	-------------------------------------

Date	Test Place	Temperature	Humidity	Engineer
December 25, 2024	SR5	21 deg. C	41 % RH	Yohsuke Matsuzawa

ANT1 + ANT2

Tested Frequency	RU Index	ANT1 Result	ANT2 Result	Result		Limit	Margin
[MHz]		[mW / 3 kHz]	[mW / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	53	0.02	0.02	0.04	-13.99	8.00	21.99
2437	53	0.02	0.02	0.04	-13.85	8.00	21.85
2462	54	0.02	0.02	0.04	-13.72	8.00	21.72

Sample Calculation:
Result = ANT1 + ANT2

ANT1

Tested Frequency	RU Index	PSD Reading	Cable Loss	Atten. Loss	Result		Limit	Margin
[MHz]		[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	53	-28.63	1.00	10.17	-17.46	0.02	8.00	25.46
2437	53	-28.41	1.02	10.17	-17.22	0.02	8.00	25.22
2462	54	-28.75	1.07	10.17	-17.51	0.02	8.00	25.51

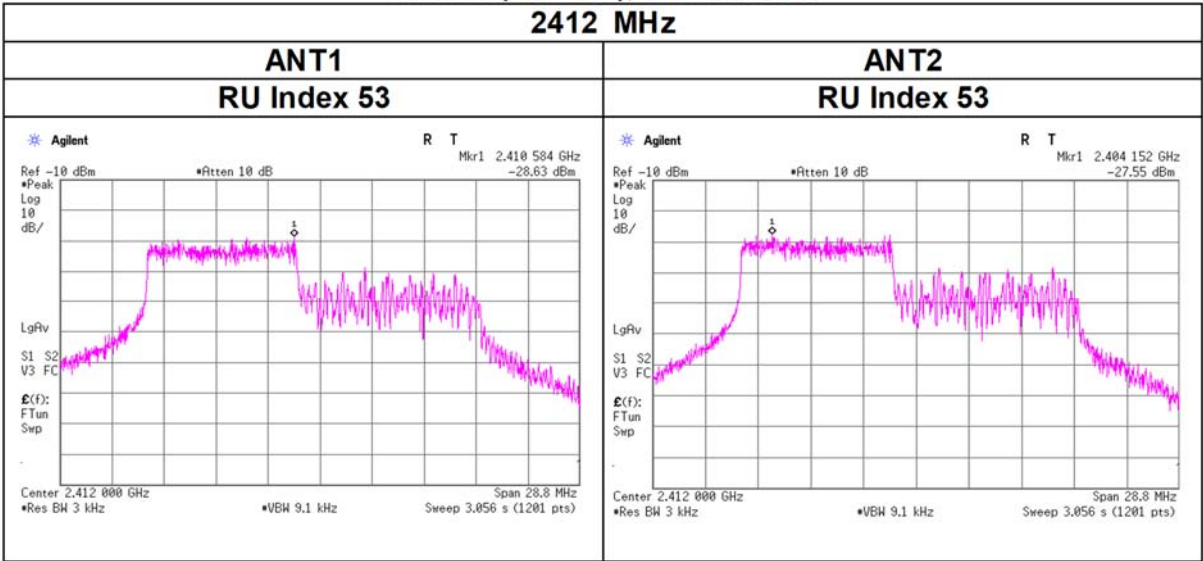
ANT2

Tested Frequency	RU Index	PSD Reading	Cable Loss	Atten. Loss	Result		Limit	Margin
[MHz]		[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	53	-27.55	1.02	9.94	-16.59	0.02	8.00	24.59
2437	53	-27.52	1.05	9.94	-16.53	0.02	8.00	24.53
2462	54	-27.10	1.09	9.94	-16.07	0.02	8.00	24.07

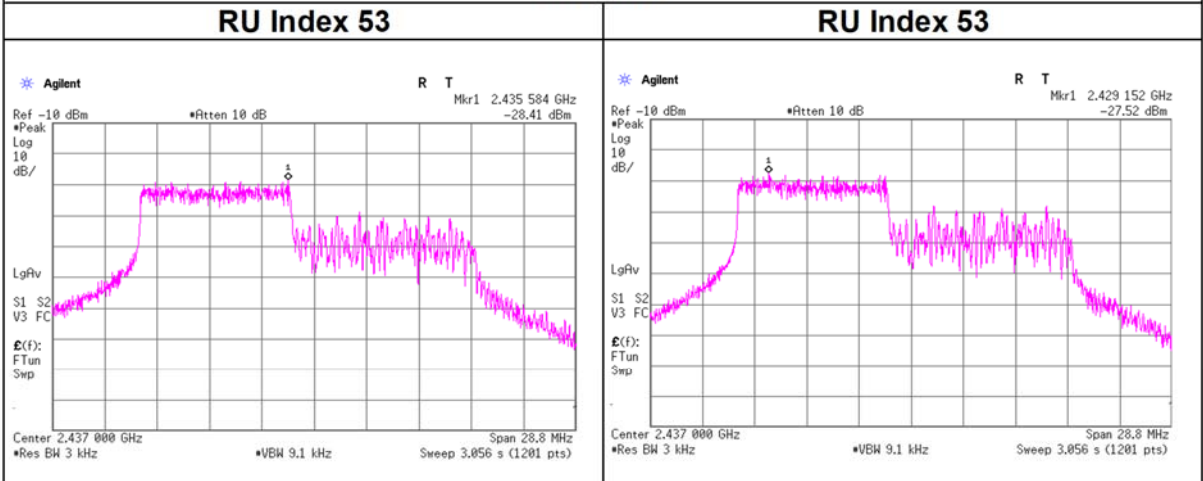
Sample Calculation:
PSD: Power Spectral Density
PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss

Power Density

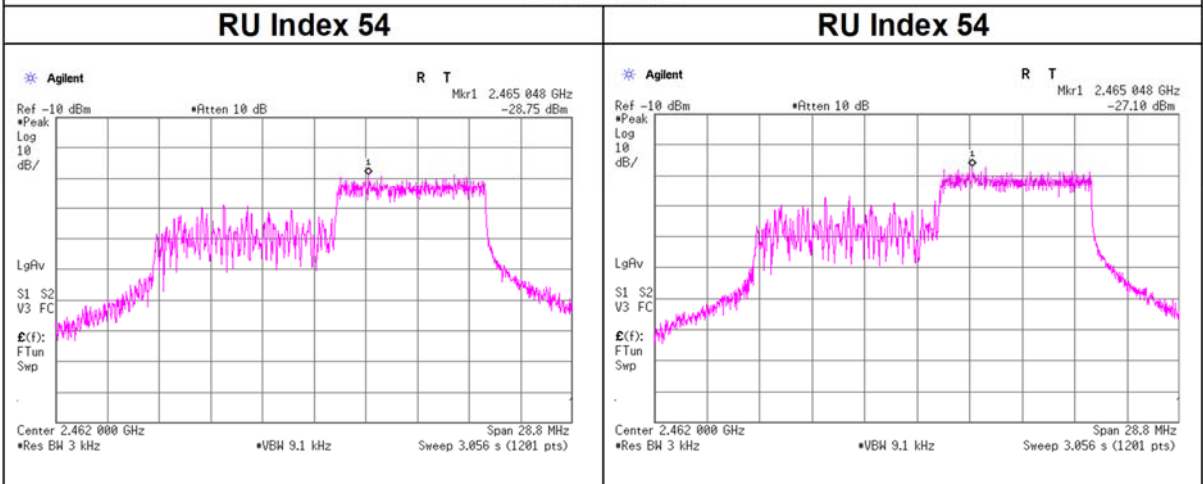
11ax-20(OFDMA), 106-tone RU
2412 MHz



2437 MHz



2462 MHz



Power Density

Mode	Tx 11ax-20(OFDMA) 242-tone RU, MIMO
------	-------------------------------------

Date	Test Place	Temperature	Humidity	Engineer
December 25, 2024	SR5	21 deg. C	41 % RH	Yohsuke Matsuzawa

ANT1 + ANT2

Tested Frequency	RU Index	ANT1 Result	ANT2 Result	Result		Limit	Margin
[MHz]		[mW / 3 kHz]	[mW / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	61	0.01	0.01	0.02	-17.57	8.00	25.57
2437	61	0.01	0.01	0.02	-16.94	8.00	24.94
2462	61	0.01	0.01	0.02	-16.83	8.00	24.83

Sample Calculation:

Result = ANT1 + ANT2

ANT1

Tested Frequency	RU Index	PSD Reading	Cable Loss	Atten. Loss	Result		Limit	Margin
[MHz]		[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	61	-32.26	1.00	10.17	-21.09	0.01	8.00	29.09
2437	61	-32.30	1.02	10.17	-21.11	0.01	8.00	29.11
2462	61	-31.48	1.07	10.17	-20.24	0.01	8.00	28.24

ANT2

Tested Frequency	RU Index	PSD Reading	Cable Loss	Atten. Loss	Result		Limit	Margin
[MHz]		[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	61	-31.09	1.02	9.94	-20.13	0.01	8.00	28.13
2437	61	-30.02	1.05	9.94	-19.03	0.01	8.00	27.03
2462	61	-30.51	1.09	9.94	-19.48	0.01	8.00	27.48

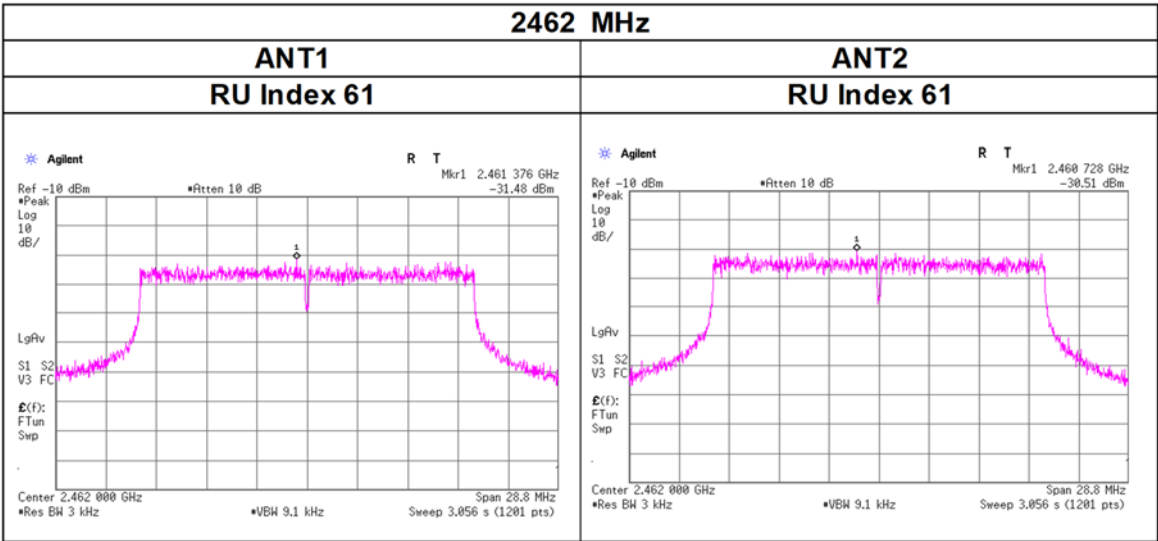
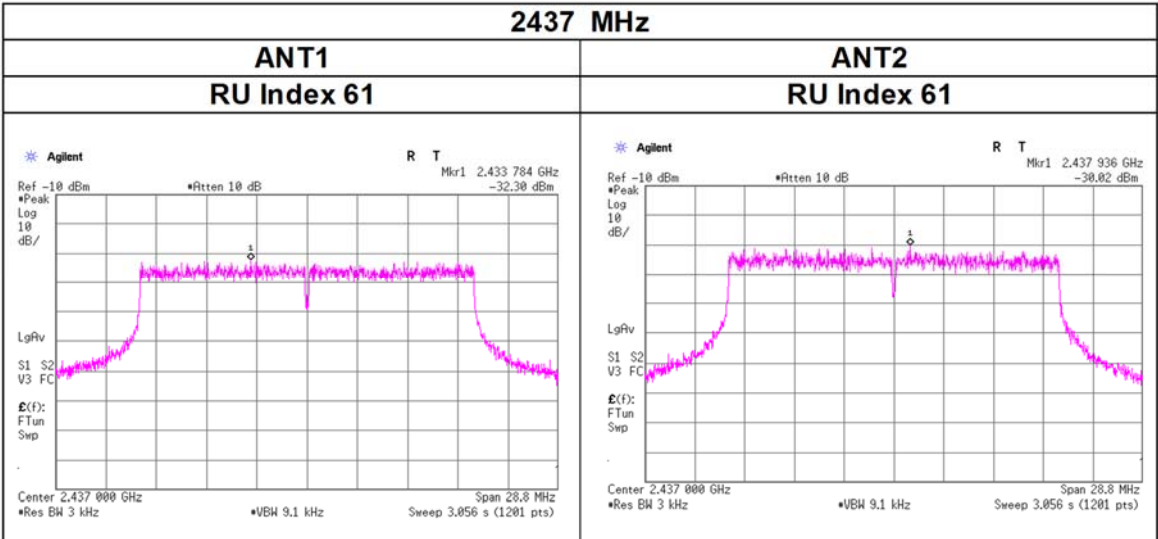
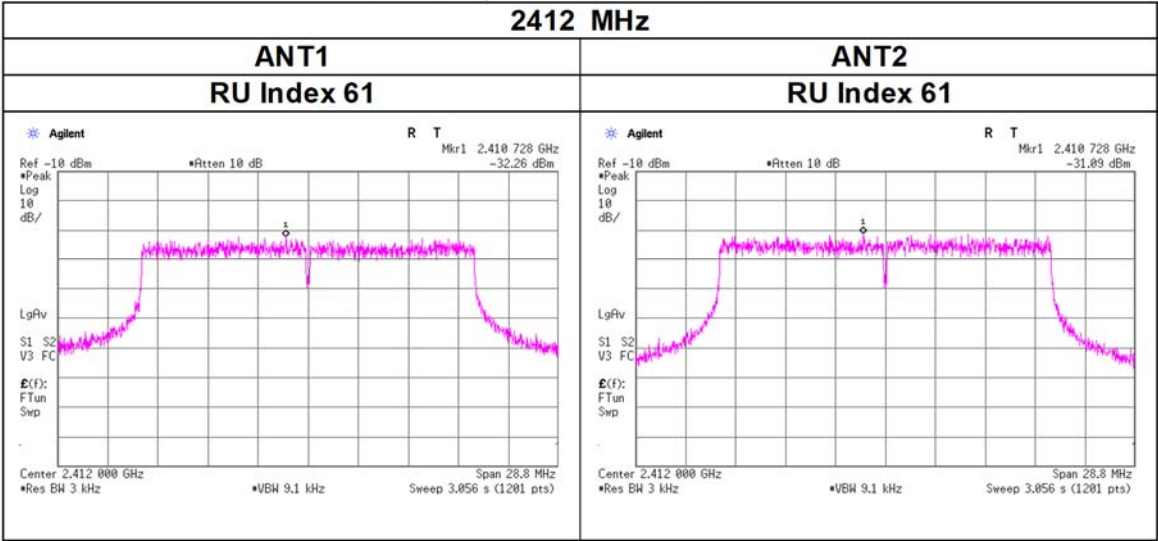
Sample Calculation:

PSD: Power Spectral Density

PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss

Power Density

11ax-20(OFDMA), 242-tone RU



Power Density

Mode	Tx
------	----

Date	Test Place	Temperature	Humidity	Engineer
December 19, 2024	SR5	24 deg. C	44 % RH	Yuta Shiba

BT LE 1M-PHY

Frequency [MHz]	Measured Frequency [MHz]	Reading [dBm/3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm/3 kHz]	Limit [dBm/3 kHz]	Margin [dB]
2402	2401.996	-22.94	1.01	10.18	-11.75	8.00	19.75
2440	2439.996	-23.02	1.02	10.18	-11.82	8.00	19.82
2480	2479.995	-23.14	1.06	10.18	-11.90	8.00	19.90

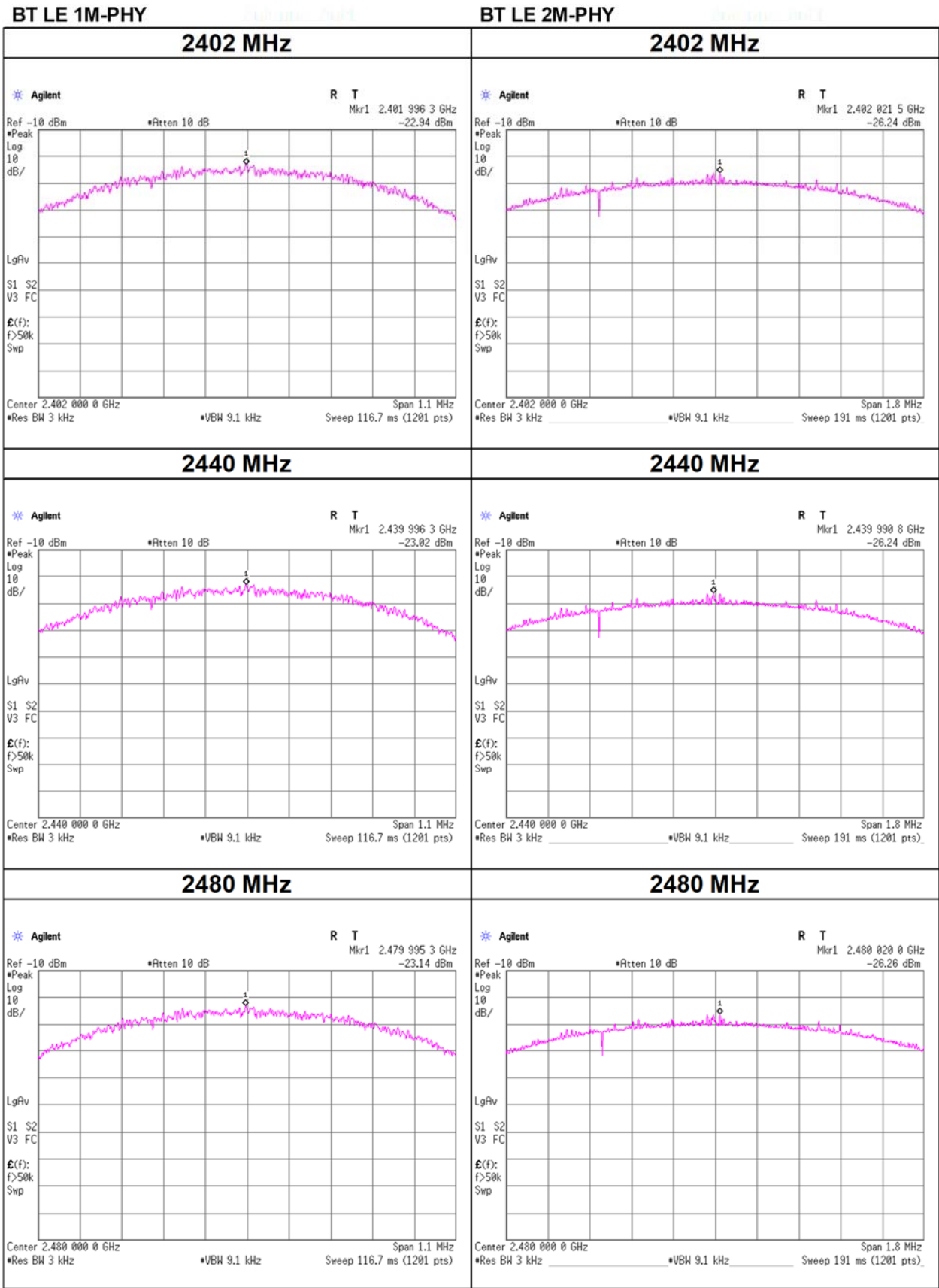
BT LE 2M-PHY

Frequency [MHz]	Measured Frequency [MHz]	Reading [dBm/3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm/3 kHz]	Limit [dBm/3 kHz]	Margin [dB]
2402	2402.022	-26.24	1.01	10.18	-15.05	8.00	23.05
2440	2439.991	-26.24	1.02	10.18	-15.04	8.00	23.04
2480	2480.020	-26.26	1.06	10.18	-15.02	8.00	23.02

Sample Calculation:
Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

*The equipment and cables were not used for factor 0 dB of the data sheets.

Power Density



APPENDIX 2: Test Instruments

Test Equipment [1/2]

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
AT	160493	Attenuator	Weinschel Corp.	54A-10	83406	2024/12/03	12
AT	204925	Attenuator	Weinschel Corp.	54A-10	109970	2025/02/18	12
AT	239651	Coaxial Cable	Huber+Suhner	SUCOFLEX 102	2001219/2	2024/08/20	12
AT	239652	Coaxial Cable	Huber+Suhner	SUCOFLEX 102	2001220/2	2024/08/20	12
AT	146212	Digital Hitester	HIOKI E. E. CORPORATION	3805-50	80997828	2024/09/24	12
AT	254939	Microwave cable	RS Pro	R-132G7210 100CO	-	2024/11/14	12
AT	254940	Microwave cable	RS Pro	R-132G7210 100CO	-	2024/11/14	12
AT	169910	Power Meter	Keysight Technologies Inc	8990B	MY51000448	2024/09/11	12
AT	169911	Power sensor	Keysight Technologies Inc	N1923A	MY57270004	2024/09/11	12
AT	169912	Power sensor	Keysight Technologies Inc	N1923A	MY57290005	2024/09/11	12
AT	253774	Spectrum Analyzer	Keysight Technologies Inc	E4440A	MY46185398	2024/11/19	12
AT	249688	Terminator	To-Conne Co., Ltd.	SMA50-SP 1W	-	-	-
AT	175822	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	-	2024/08/11	12
RE	248303	Attenuator	JFW	50HFFA-006-2/18N	-	2024/05/06	12
RE	145023	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	BBA9106	91032666	2024/05/10	12
RE	236709	Coaxial Cable	Hayashi-Repic co., Ltd.	NMS079B-GL310C-SMS117B-2m	47256-02-04	2024/05/09	12
RE	236711	Coaxial Cable	Hayashi-Repic co., Ltd.	KMS020B-GL140sE-KMS020B-7.0m	47256-03-02	2024/05/09	12
RE	236720	Coaxial Cable	Huber+Suhner	SF106/SF106/SF106	2001167/2001168/2001161	2024/05/10	12
RE	236756	Coaxial Cable	Huber+Suhner	SF106/11N/11N/6000	2001167	2024/05/10	12
RE	239644	Coaxial Cable	Junkosha	MWX221-01000NFSNMS/B	2306S022	2024/08/21	12
RE	243210	Coaxial Cable	Hayashi-Repic co., Ltd.	SMS13-13A26-NFS13-1.0m	49190-01-02	2024/12/05	12
RE	253628	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	5D2W/12DSFA/141PE/141PE/141PE/141PE/NS4906	-/0901-271(RF Selector)	2025/04/05	12
RE	146210	Digital Hitester	HIOKI E. E. CORPORATION	3805-50	80997823	2024/09/24	12
RE	235640	DIGITAL MULTIMETER	HIOKI E. E. CORPORATION	DT4261	230313157	2024/05/29	12
RE	170932	EMI Software	TSJ (Techno Science Japan)	TEPTO-DV3(RE,CE,ME,PE)	Ver 3.1.0546	-	-
RE	145512	Horn Antenna	ETS-Lindgren	3160-09	00094868	2024/06/20	12
RE	236584	Horn Antenna	AINFO Inc.	LB-8180-NF	2030013000112	2024/04/04	12
RE	236687	Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA 9120 C	788	2024/04/04	12
RE	236769	Horn Antenna	AINFO Inc.	LB-8180-NF	2030013000111	2025/04/01	12
RE	145529	Logperiodic Antenna	Schwarzbeck Mess-Elektronik OHG	VUSLP9111B	196	2024/05/10	12
RE	145007	Pre Amplifier	Toyo Corporation	HAP18-26W	19	2024/08/21	12
RE	145126	Pre Amplifier	SONOMA	310N	290213	2025/02/19	12
RE	237786	RF RELAY MATRIX with preamplifier	TSJ (Techno Science Japan)	RFM-E221261R	07796	2024/11/12	12
RE	145565	Semi-Anechoic Chamber	TDK	SAEC-03(NSA)	3	2025/04/07	12
RE	236617	Semi-Anechoic Chamber	TDK	SWAC-02(SVSWR)	2	2024/06/06	12

Test Equipment [2/2]

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
RE	146432	Tape Measure	TAJIMA	GL19-55	-	-	-
RE	207281	Tape Measure	ASKUL	-	-	-	-
RE	213530	Test Receiver	Rohde & Schwarz	ESW44	103068	2025/02/12	12
RE	235267	Test Receiver	Rohde & Schwarz	ESW44	103018	2025/03/18	12
RE	235268	Test Receiver	Rohde & Schwarz	ESW44	103212	2024/12/18	12
RE	191840	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	-	2024/08/12	12
RE	235738	Thermo-Hygrometer	CUSTOM. Inc	CTH-230	-	2024/04/28	12

*Hyphens for Last Calibration Date and Cal Int (month) are instruments that Calibration is not required (e.g. software), or instruments checked in advance before use.

The expiration date of the calibration is the end of the expired month.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or international standards.

Test item:

AT: Antenna Terminal Conducted test

RE: Radiated Emission