

Radiated Spurious Emission

Mode	Tx, Hopping Off, DH5, 2441 MHz
------	--------------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
June 16, 2025	WAC1	23 deg. C	70 % RH	Takahiro Suzuki	1 GHz to 2.8 GHz
June 17, 2025	WAC1	25 deg. C	65 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
June 18, 2025	WAC1	24 deg. C	61 % RH	Kouki Yamada	Above 10 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.	4882.000	PK	48.29	31.92	-35.41	-	2.28	47.08	73.9	26.8	358	180	-
Hori.	7323.000	PK	47.51	36.25	-33.85	-	2.28	52.19	73.9	21.7	100	228	-
Hori.	9764.000	PK	46.53	37.52	-31.32	-	2.28	55.01	73.9	18.8	356	180	-
Hori.	9764.000	AV	35.35	37.52	-31.32	-	2.28	43.83	53.9	10.0	356	180	-
Vert.	4882.000	PK	46.86	31.92	-35.41	-	2.28	45.65	73.9	28.2	100	286	-
Vert.	7323.000	PK	46.31	36.25	-33.85	-	2.28	50.99	73.9	22.9	100	245	-
Vert.	9764.000	PK	46.10	37.52	-31.32	-	2.28	54.58	73.9	19.3	100	275	-

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 : $20\log(3.90[m]/3.0[m]) = 2.28[dB]$

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.	4882.000	AV	36.40	31.92	-35.41	-	1.14	2.28	36.33	53.9	17.5	-
Hori.	7323.000	AV	36.40	36.25	-33.85	-	1.14	2.28	42.22	53.9	11.6	-
Vert.	4882.000	AV	36.65	31.92	-35.41	-	1.14	2.28	36.58	53.9	17.3	-
Vert.	7323.000	AV	36.02	36.25	-33.85	-	1.14	2.28	41.84	53.9	12.0	-
Vert.	9764.000	AV	35.29	37.52	-31.32	-	1.14	2.28	44.91	53.9	8.9	-

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 : $20\log(3.90[m]/3.0[m]) = 2.28[dB]$

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

Duty factor refer to "Burst rate confirmation" sheet.

Radiated Spurious Emission

Mode	Tx, Hopping Off, DH5, 2480 MHz
------	--------------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
June 16, 2025	WAC1	23 deg. C	70 % RH	Takahiro Suzuki	1 GHz to 2.8 GHz
June 17, 2025	WAC1	25 deg. C	65 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
June 18, 2025	WAC1	24 deg. C	61 % RH	Kouki Yamada	Above 10 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	53.17	27.65	-27.94	-	2.28	55.16	73.9	18.7	152	208	-
Hori.	4960.000	PK	48.27	32.16	-35.50	-	2.28	47.21	73.9	26.6	160	166	-
Hori.	7440.000	PK	47.46	36.30	-33.66	-	2.28	52.38	73.9	21.5	124	244	-
Hori.	9920.000	PK	46.07	37.54	-31.18	-	2.28	54.71	73.9	19.1	175	187	-
Vert.	2483.500	PK	52.58	27.65	-27.94	-	2.28	54.57	73.9	19.3	168	257	-
Vert.	4960.000	PK	48.63	32.16	-35.50	-	2.28	47.57	73.9	26.3	151	287	-
Vert.	7440.000	PK	46.79	36.30	-33.66	-	2.28	51.71	73.9	22.1	150	283	-
Vert.	9920.000	PK	46.84	37.54	-31.18	-	2.28	55.48	73.9	18.4	150	280	-

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 : $20\log(3.90[m]/3.0[m]) = 2.28 [dB]$

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	37.80	27.65	-27.94	-	1.14	2.28	40.93	53.9	12.9	*1)
Hori.	4960.000	AV	37.89	32.16	-35.50	-	1.14	2.28	37.97	53.9	15.9	-
Hori.	7440.000	AV	36.06	36.30	-33.66	-	1.14	2.28	42.12	53.9	11.7	-
Hori.	9920.000	AV	35.09	37.54	-31.18	-	1.14	2.28	44.87	53.9	9.0	-
Vert.	2483.500	AV	37.78	27.65	-27.94	-	1.14	2.28	40.91	53.9	12.9	*1)
Vert.	4960.000	AV	38.48	32.16	-35.50	-	1.14	2.28	38.56	53.9	15.3	-
Vert.	7440.000	AV	35.64	36.30	-33.66	-	1.14	2.28	41.70	53.9	12.2	-
Vert.	9920.000	AV	35.22	37.54	-31.18	-	1.14	2.28	45.00	53.9	8.9	-

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 : $20\log(3.90[m]/3.0[m]) = 2.28 [dB]$

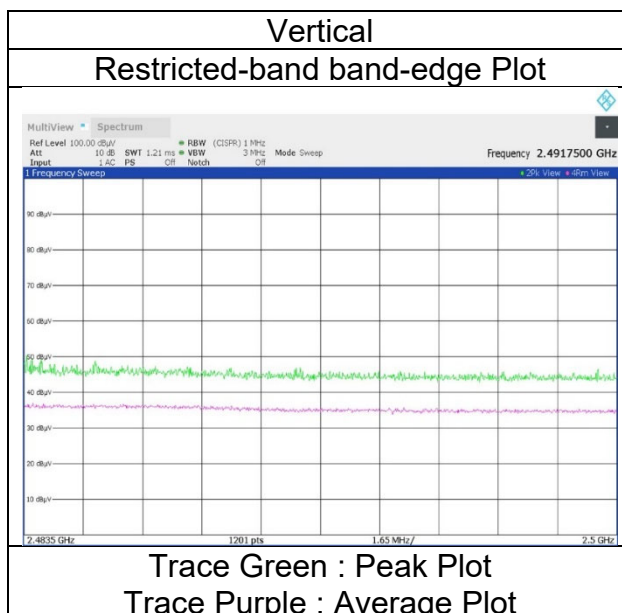
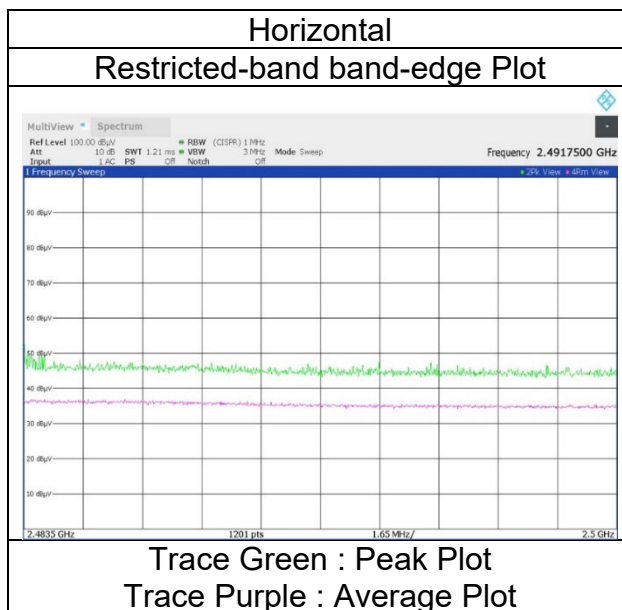
10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54 [dB]$

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, Hopping Off, DH5, 2480 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
June 16, 2025	WAC1	23 deg. C	70 % RH	Takahiro Suzuki	1 GHz to 2.8 GHz
June 17, 2025	WAC1	25 deg. C	65 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
June 18, 2025	WAC1	24 deg. C	61 % RH	Kouki Yamada	Above 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, Hopping Off, 3DH5, 2402 MHz
------	---------------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
June 16, 2025	WAC1	23 deg. C	70 % RH	Takahiro Suzuki	1 GHz to 2.8 GHz
June 17, 2025	WAC1	25 deg. C	65 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
June 18, 2025	WAC1	24 deg. C	61 % RH	Kouki Yamada	Above 10 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.	2390.000	PK	47.43	27.56	-28.00	-	2.28	49.27	73.9	24.6	100	207	-
Hori.	4804.000	PK	49.32	31.49	-35.33	-	2.28	47.76	73.9	26.1	150	175	-
Hori.	7206.000	PK	47.31	35.86	-34.02	-	2.28	51.43	73.9	22.4	150	233	-
Hori.	9608.000	PK	46.71	37.56	-31.46	-	2.28	55.09	73.9	18.8	172	184	-
Vert.	2390.000	PK	47.56	27.56	-28.00	-	2.28	49.40	73.9	24.5	129	246	-
Vert.	4804.000	PK	48.52	31.49	-35.33	-	2.28	46.96	73.9	26.9	106	284	-
Vert.	7206.000	PK	46.42	35.86	-34.02	-	2.28	50.54	73.9	23.3	100	240	-
Vert.	9608.000	PK	46.53	37.56	-31.46	-	2.28	54.91	73.9	18.9	209	274	-

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 : $20\log(3.90[m] / 3.0[m]) = 2.28 [dB]$

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.	2390.000	AV	36.44	27.56	-28.00	-	1.15	2.28	39.43	53.9	14.4	*1)
Hori.	4804.000	AV	38.84	31.49	-35.33	-	1.15	2.28	38.43	53.9	15.4	-
Hori.	7206.000	AV	36.13	35.86	-34.02	-	1.15	2.28	41.40	53.9	12.5	-
Hori.	9608.000	AV	35.48	37.56	-31.46	-	1.15	2.28	45.01	53.9	8.8	-
Vert.	2390.000	AV	36.25	27.56	-28.00	-	1.15	2.28	39.24	53.9	14.6	*1)
Vert.	4804.000	AV	38.80	31.49	-35.33	-	1.15	2.28	38.39	53.9	15.5	-
Vert.	7206.000	AV	36.01	35.86	-34.02	-	1.15	2.28	41.28	53.9	12.6	-
Vert.	9608.000	AV	35.52	37.56	-31.46	-	1.15	2.28	45.05	53.9	8.8	-

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) + Duty Fac. + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.90[m] / 3.0[m]) = 2.28 [dB]$

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)

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	94.97	27.57	-27.99	-	2.28	96.83	-	-	Carrier
Hori.	2400.000	PK	45.07	27.57	-27.99	-	2.28	46.93	76.8	29.8	-
Vert.	2402.000	PK	96.22	27.57	-27.99	-	2.28	98.08	-	-	Carrier
Vert.	2400.000	PK	45.78	27.57	-27.99	-	2.28	47.64	78.0	30.3	-

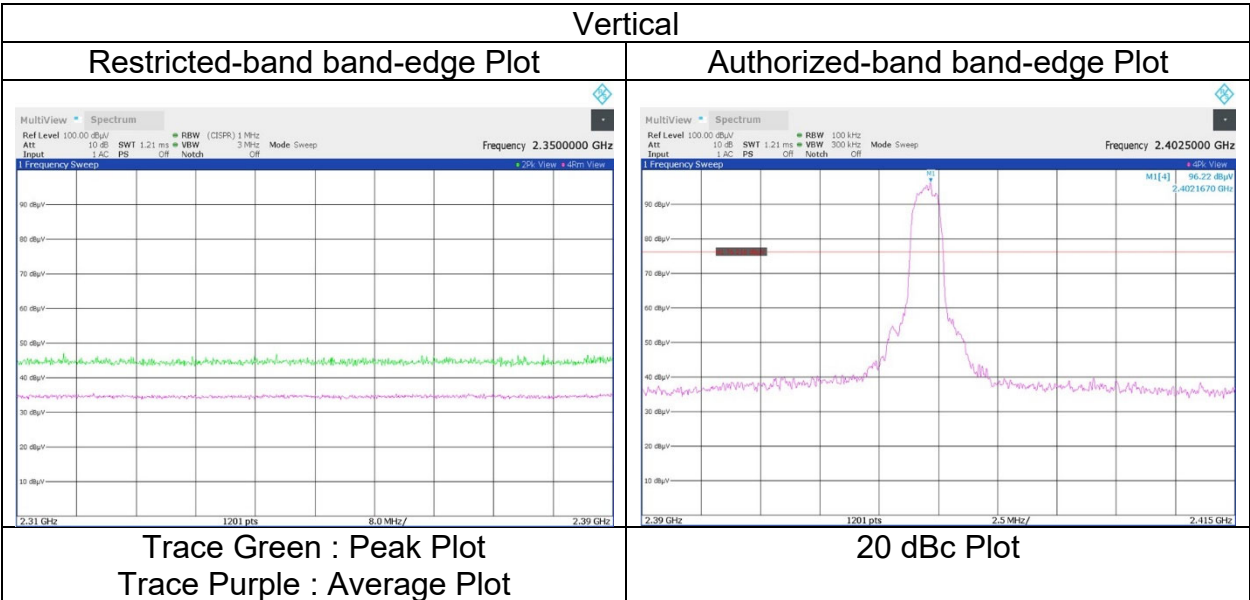
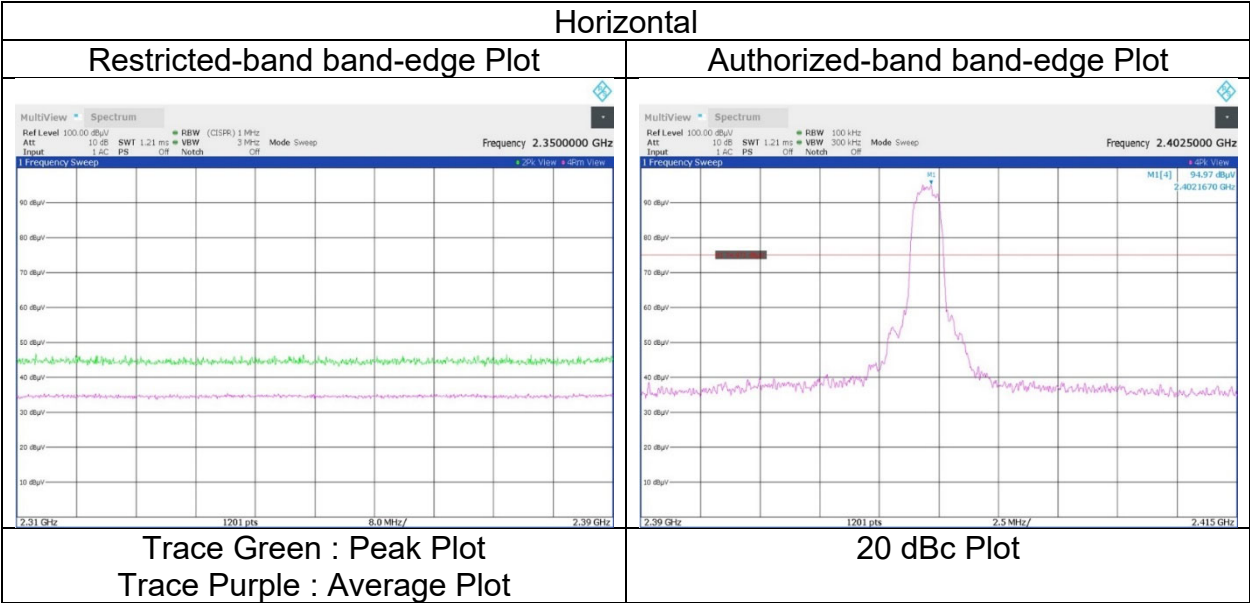
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.90[m] / 3.0[m]) = 2.28 [dB]$

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, Hopping Off, 3DH5, 2402 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
June 16, 2025	WAC1	23 deg. C	70 % RH	Takahiro Suzuki	1 GHz to 2.8 GHz
June 17, 2025	WAC1	25 deg. C	65 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
June 18, 2025	WAC1	24 deg. C	61 % RH	Kouki Yamada	Above 10 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, Hopping Off, 3DH5, 2441 MHz
------	---------------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
June 16, 2025	WAC1	23 deg. C	70 % RH	Takahiro Suzuki	1 GHz to 2.8 GHz
June 17, 2025	WAC1	25 deg. C	65 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
June 18, 2025	WAC1	24 deg. C	61 % RH	Kouki Yamada	Above 10 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.	4882.000	PK	49.01	31.92	-35.41	-	2.28	47.80	73.9	26.1	264	207	-
Hori.	7323.000	PK	47.59	36.25	-33.85	-	2.28	52.27	73.9	21.6	100	235	-
Hori.	9764.000	PK	46.52	37.52	-31.32	-	2.28	55.00	73.9	18.9	100	199	-
Vert.	4882.000	PK	48.87	31.92	-35.41	-	2.28	47.66	73.9	26.2	114	286	-
Vert.	7323.000	PK	47.20	36.25	-33.85	-	2.28	51.88	73.9	22.0	105	234	-
Vert.	9764.000	PK	46.11	37.52	-31.32	-	2.28	54.59	73.9	19.3	156	276	-

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 : $20\log(3.90 [m] / 3.0 [m]) = 2.28 [dB]$

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.	4882.000	AV	38.94	31.92	-35.41	-	1.15	2.28	38.88	53.9	15.0	-
Hori.	7323.000	AV	36.22	36.25	-33.85	-	1.15	2.28	42.05	53.9	11.8	-
Hori.	9764.000	AV	35.12	37.52	-31.32	-	1.15	2.28	44.75	53.9	9.1	-
Vert.	4882.000	AV	38.52	31.92	-35.41	-	1.15	2.28	38.46	53.9	15.4	-
Vert.	7323.000	AV	36.07	36.25	-33.85	-	1.15	2.28	41.90	53.9	12.0	-
Vert.	9764.000	AV	35.00	37.52	-31.32	-	1.15	2.28	44.63	53.9	9.2	-

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 : $20\log(3.90 [m] / 3.0 [m]) = 2.28 [dB]$

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

Duty factor refer to "Burst rate confirmation" sheet.

Radiated Spurious Emission

Mode	Tx, Hopping Off, 3DH5, 2480 MHz
------	---------------------------------

Date	Test site	Temperature	Humidity	Engineer	Measurement Range
June 16, 2025	WAC1	23 deg. C	70 % RH	Takahiro Suzuki	1 GHz to 2.8 GHz
June 17, 2025	WAC1	25 deg. C	65 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
June 18, 2025	WAC1	24 deg. C	61 % RH	Kouki Yamada	Above 10 GHz
June 20, 2025	WAC1	21 deg. C	52 % RH	Hiromasa Sato	Below 1 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.	270.336	QP	40.47	12.91	7.43	33.61	0.00	27.20	46.0	18.8	112	95	-
Hori.	319.488	QP	43.54	14.18	7.58	33.54	0.00	31.76	46.0	14.2	100	93	-
Hori.	368.640	QP	44.96	15.07	7.73	33.43	0.00	34.33	46.0	11.6	100	99	-
Hori.	417.792	QP	38.27	16.04	7.87	33.32	0.00	28.86	46.0	17.1	100	173	-
Hori.	2483.500	PK	53.19	27.65	-27.94	-	2.28	55.18	73.9	18.7	100	207	-
Hori.	4960.000	PK	48.13	32.16	-35.50	-	2.28	47.07	73.9	26.8	160	180	-
Hori.	7440.000	PK	46.76	36.30	-33.66	-	2.28	51.68	73.9	22.2	125	238	-
Hori.	9920.000	PK	46.16	37.54	-31.18	-	2.28	54.80	73.9	19.1	198	186	-
Vert.	172.032	QP	36.39	12.72	7.34	33.67	0.00	22.78	43.5	20.7	100	348	-
Vert.	319.488	QP	37.40	14.18	7.58	33.54	0.00	25.62	46.0	20.3	168	93	-
Vert.	368.641	QP	44.90	15.07	7.73	33.43	0.00	34.27	46.0	11.7	142	87	-
Vert.	393.216	QP	38.62	15.58	7.79	33.38	0.00	28.61	46.0	17.3	116	57	-
Vert.	417.792	QP	39.62	16.04	7.87	33.32	0.00	30.21	46.0	15.7	110	163	-
Vert.	466.944	QP	34.22	16.92	8.00	33.17	0.00	25.97	46.0	20.0	105	122	-
Vert.	2483.500	PK	52.66	27.65	-27.94	-	2.28	54.65	73.9	19.2	109	252	-
Vert.	4960.000	PK	48.45	32.16	-35.50	-	2.28	47.39	73.9	26.5	152	290	-
Vert.	7440.000	PK	47.10	36.30	-33.66	-	2.28	52.02	73.9	21.8	147	283	-
Vert.	9920.000	PK	46.36	37.54	-31.18	-	2.28	55.00	73.9	18.9	150	280	-

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 : $20\log(3.90[m]/3.0[m]) = 2.28$ [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	37.32	27.65	-27.94	-	1.15	2.28	40.46	53.9	13.4	*1)
Hori.	4960.000	AV	37.90	32.16	-35.50	-	1.15	2.28	37.99	53.9	15.9	-
Hori.	7440.000	AV	35.95	36.30	-33.66	-	1.15	2.28	42.02	53.9	11.8	-
Hori.	9920.000	AV	35.61	37.54	-31.18	-	1.15	2.28	45.40	53.9	8.4	-
Vert.	2483.500	AV	37.09	27.65	-27.94	-	1.15	2.28	40.23	53.9	13.6	*1)
Vert.	4960.000	AV	37.99	32.16	-35.50	-	1.15	2.28	38.08	53.9	15.8	-
Vert.	7440.000	AV	35.95	36.30	-33.66	-	1.15	2.28	42.02	53.9	11.8	-
Vert.	9920.000	AV	35.32	37.54	-31.18	-	1.15	2.28	45.11	53.9	8.7	-

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 : $20\log(3.90[m]/3.0[m]) = 2.28$ [dB]

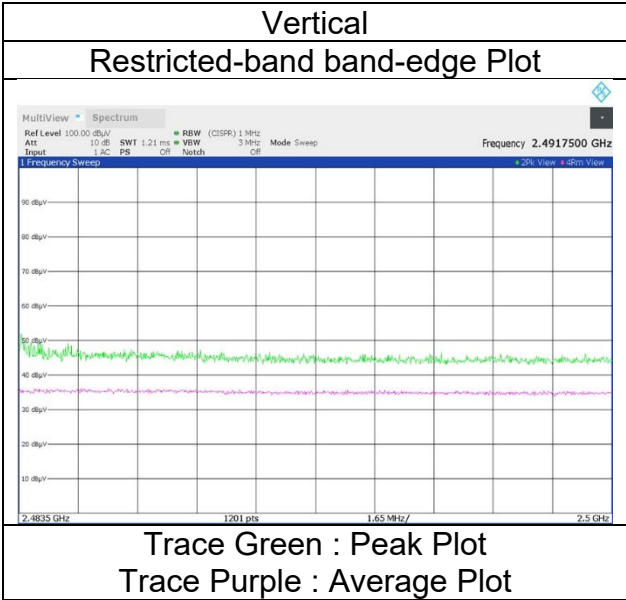
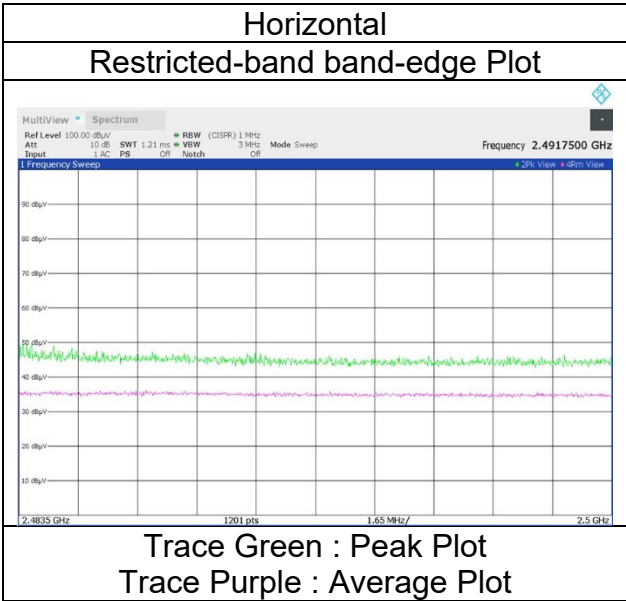
10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54$ [dB]

Duty factor refer to "Burst rate confirmation" sheet.

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

Radiated Spurious Emission
(Reference Plot for band-edge)

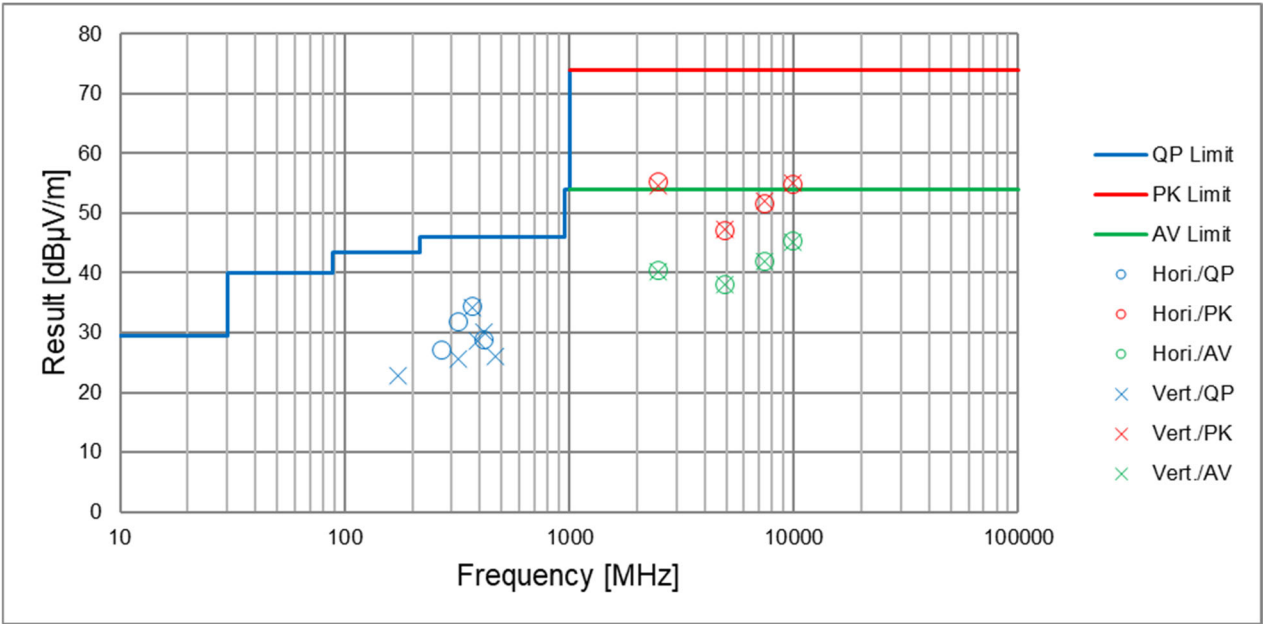
Mode	Tx, Hopping Off, 3DH5, 2480 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
June 16, 2025	WAC1	23 deg. C	70 % RH	Takahiro Suzuki	1 GHz to 2.8 GHz
June 17, 2025	WAC1	25 deg. C	65 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
June 18, 2025	WAC1	24 deg. C	61 % RH	Kouki Yamada	Above 10 GHz
June 20, 2025	WAC1	21 deg. C	52 % RH	Hiromasa Sato	Below 1 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, Hopping Off, 3DH5, 2480 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
June 16, 2025	WAC1	23 deg. C	70 % RH	Takahiro Suzuki	1 GHz to 2.8 GHz
June 17, 2025	WAC1	25 deg. C	65 % RH	Makoto Hosaka	2.8 GHz to 10 GHz
June 18, 2025	WAC1	24 deg. C	61 % RH	Kouki Yamada	Above 10 GHz
June 20, 2025	WAC1	21 deg. C	52 % RH	Hiromasa Sato	Below 1 GHz

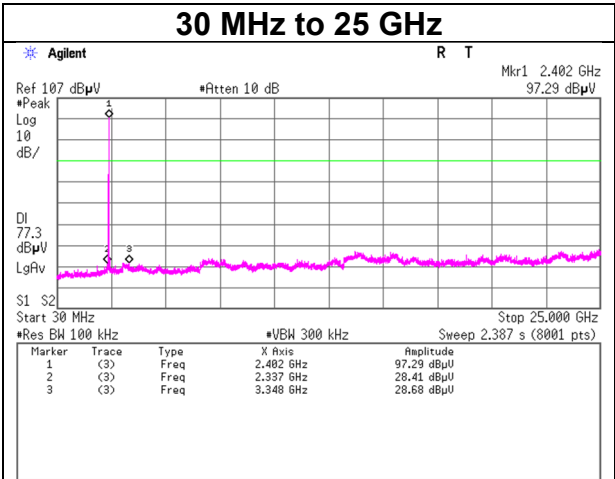
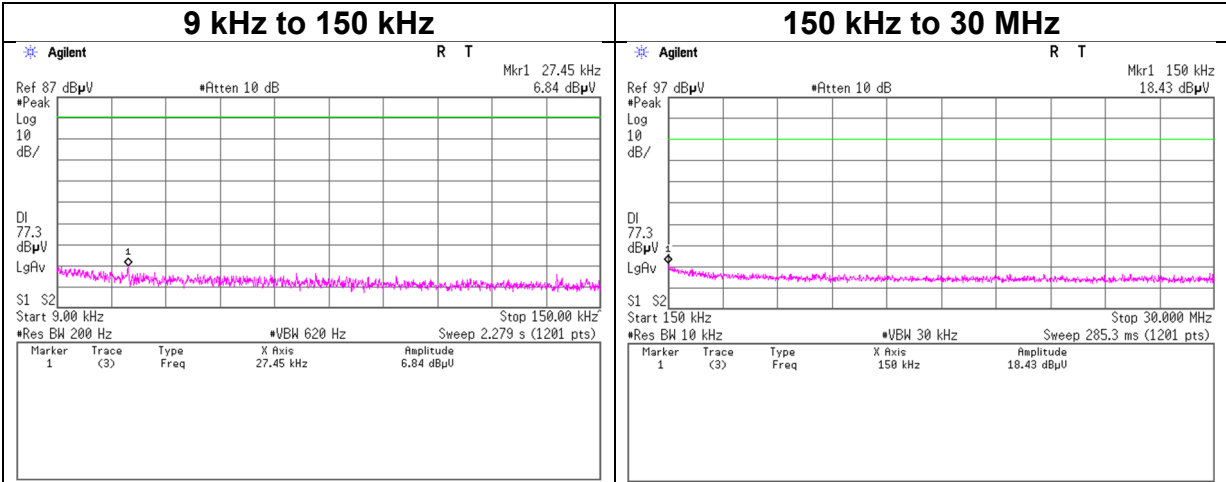


*These plots data contain sufficient number to show the trend of characteristic features for EUT.

Conducted Spurious Emission

Mode	Tx, Hopping Off, DH5			
Date	Test site	Temperature	Humidity	Engineer
June 13, 2025	MR2	25 deg. C	53 % RH	Kenichi Adachi

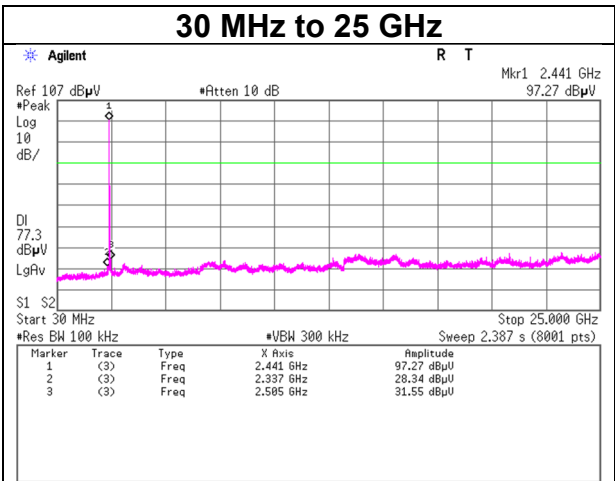
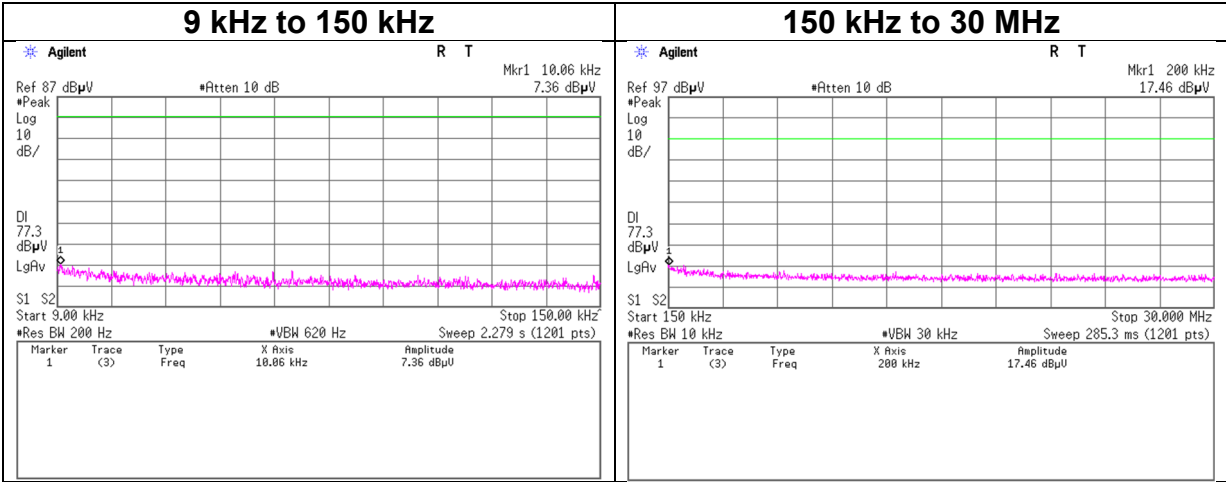
2402 MHz



Conducted Spurious Emission

Mode	Tx, Hopping Off, DH5			
Date	Test site	Temperature	Humidity	Engineer
June 13, 2025	MR2	25 deg. C	53 % RH	Kenichi Adachi

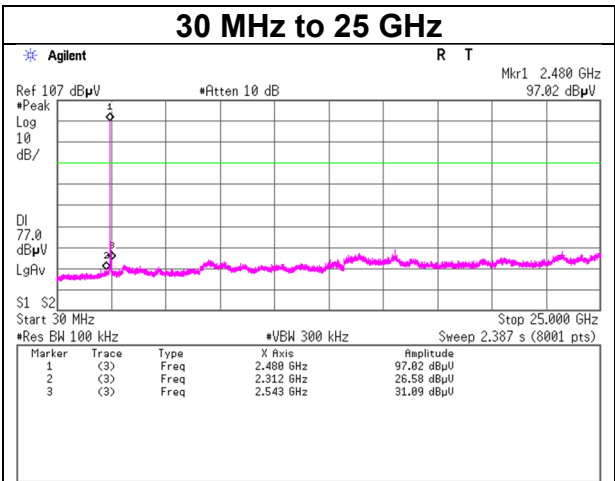
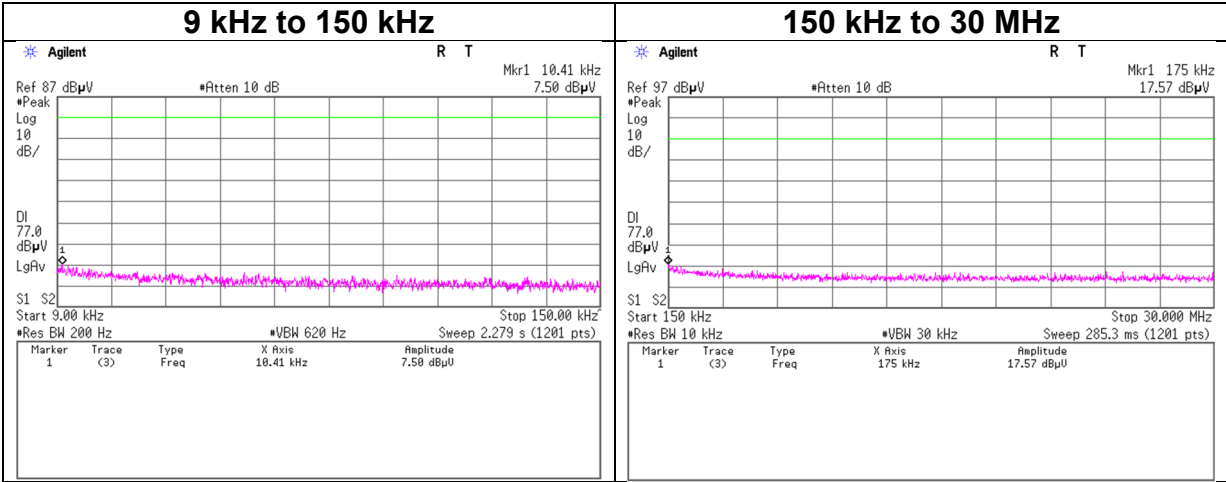
2441 MHz



Conducted Spurious Emission

Mode	Tx, Hopping Off, DH5			
Date	Test site	Temperature	Humidity	Engineer
June 13, 2025	MR2	25 deg. C	53 % RH	Kenichi Adachi

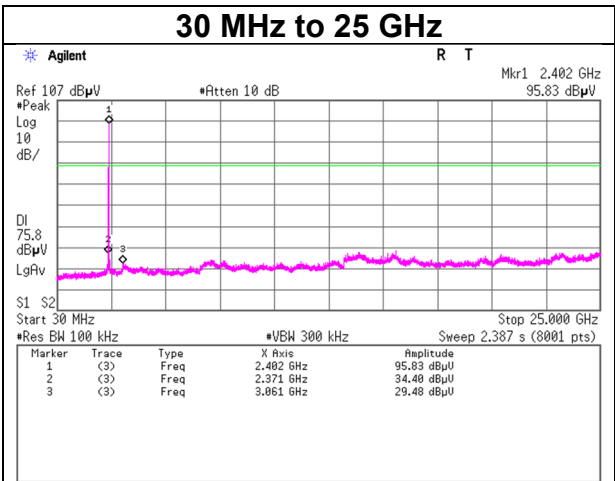
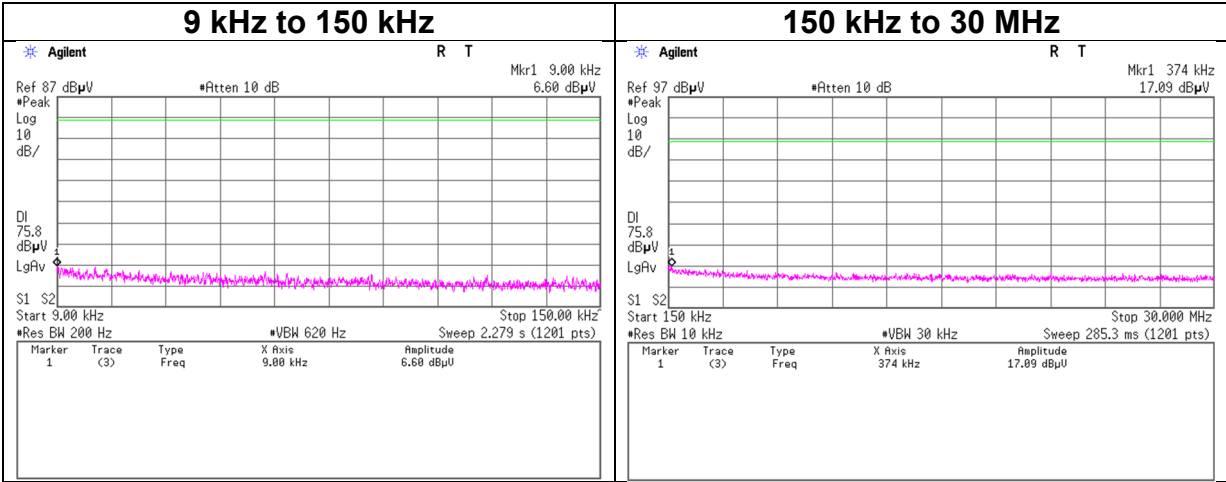
2480 MHz



Conducted Spurious Emission

Mode	Tx, Hopping Off, 3DH5			
Date	Test site	Temperature	Humidity	Engineer
June 13, 2025	MR2	25 deg. C	53 % RH	Kenichi Adachi

2402 MHz

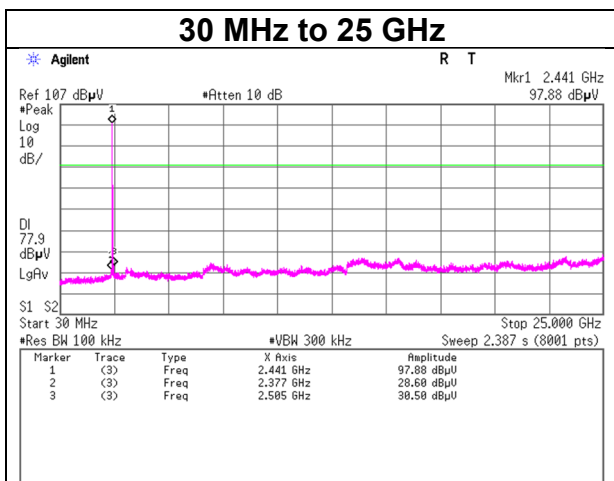
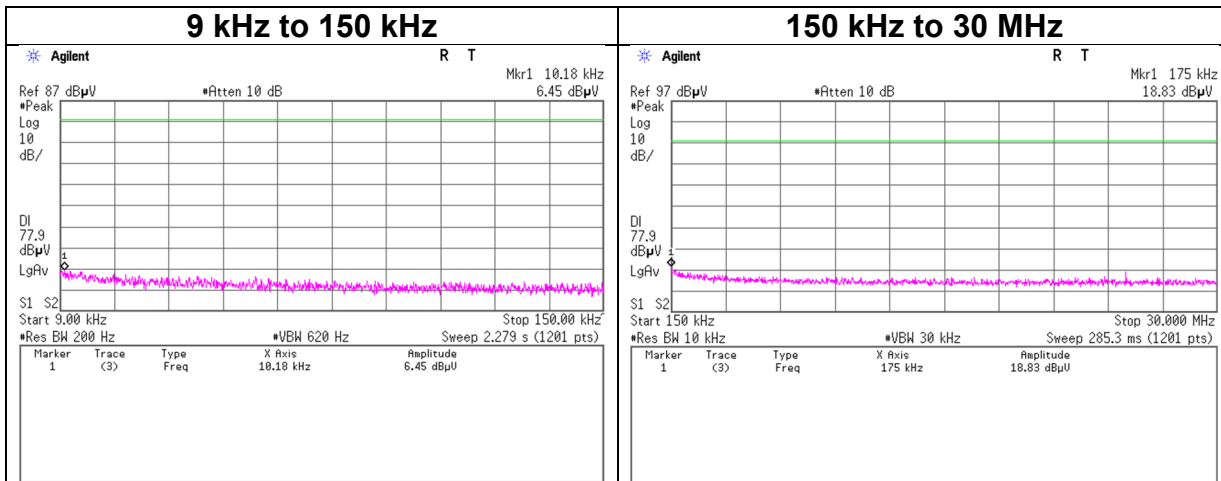


Conducted Spurious Emission

Mode	Tx, Hopping Off, 3DH5			
------	-----------------------	--	--	--

Date	Test site	Temperature	Humidity	Engineer
June 13, 2025	MR2	25 deg. C	53 % RH	Kenichi Adachi

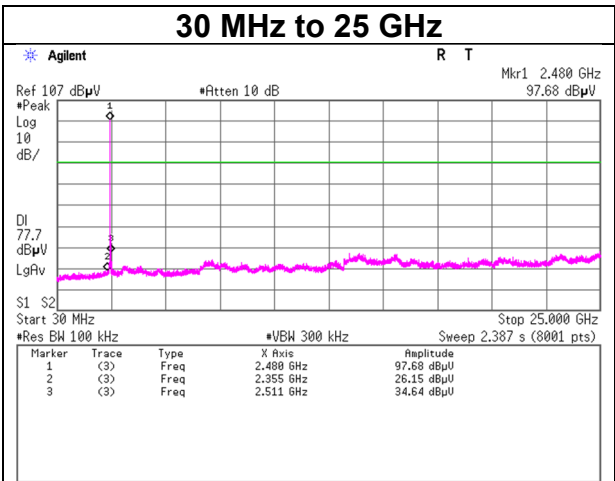
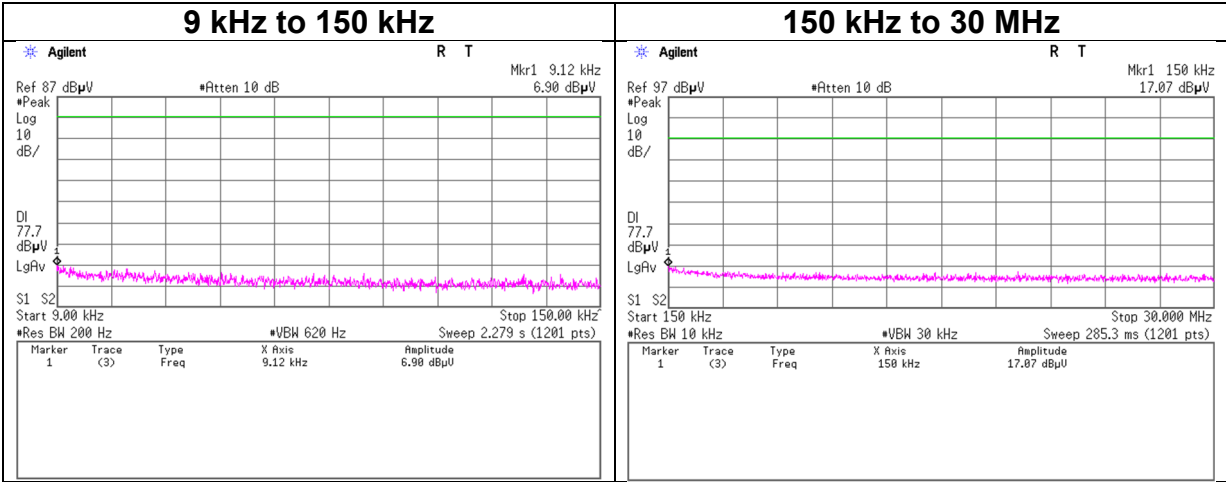
2441 MHz



Conducted Spurious Emission

Mode	Tx, Hopping Off, 3DH5			
Date	Test site	Temperature	Humidity	Engineer
June 13, 2025	MR2	25 deg. C	53 % RH	Kenichi Adachi

2480 MHz

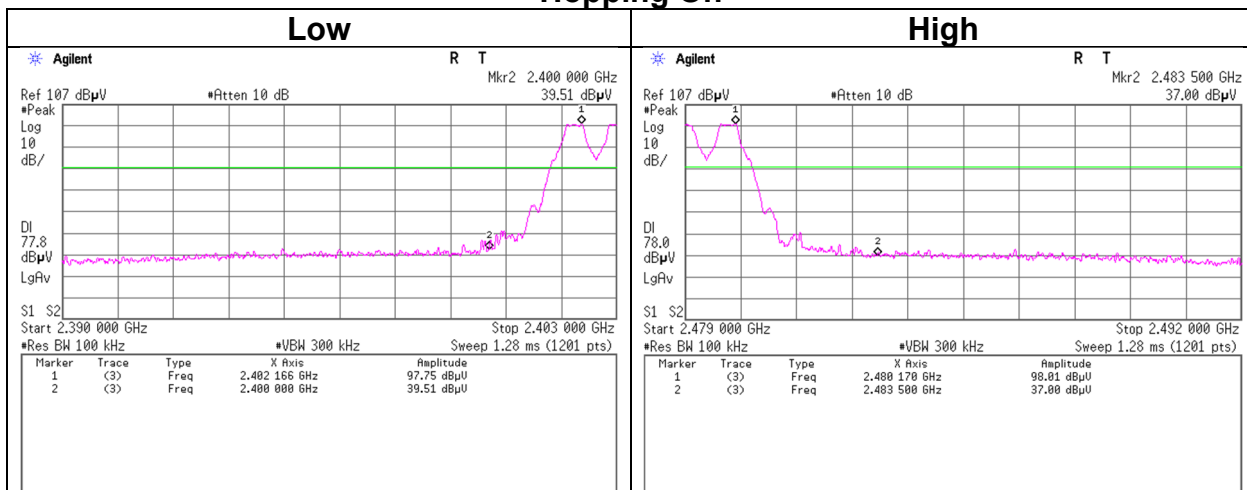


Conducted Emission Band Edge compliance

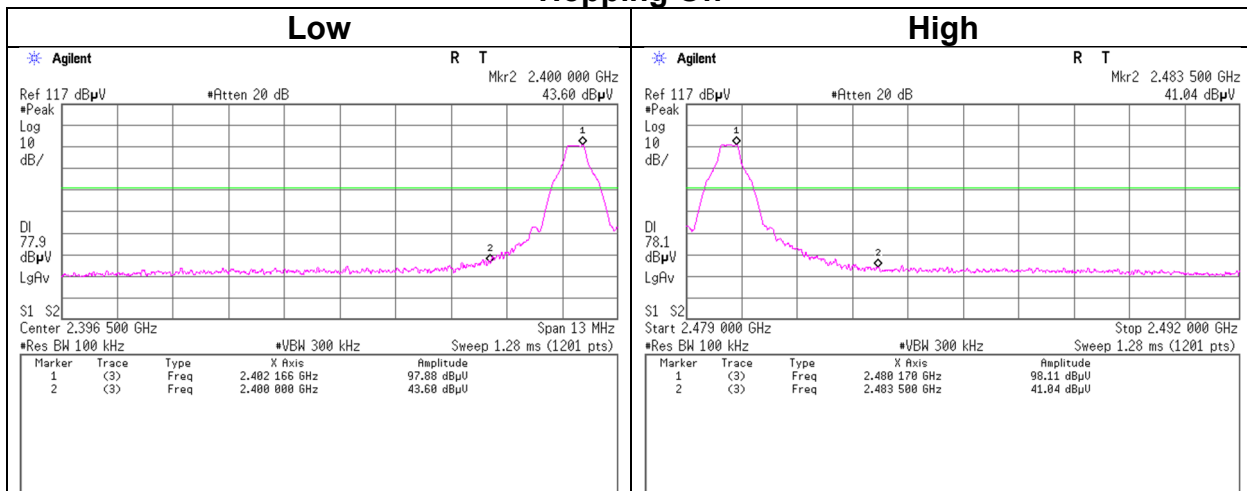
Mode	Tx, Hopping On / Off, DH5
------	---------------------------

Date	Test site	Temperature	Humidity	Engineer
June 12, 2025	MR2	25 deg. C	57 % RH	Toshinori Yamada
June 13, 2025	MR2	25 deg. C	53 % RH	Kenichi Adachi

Hopping On



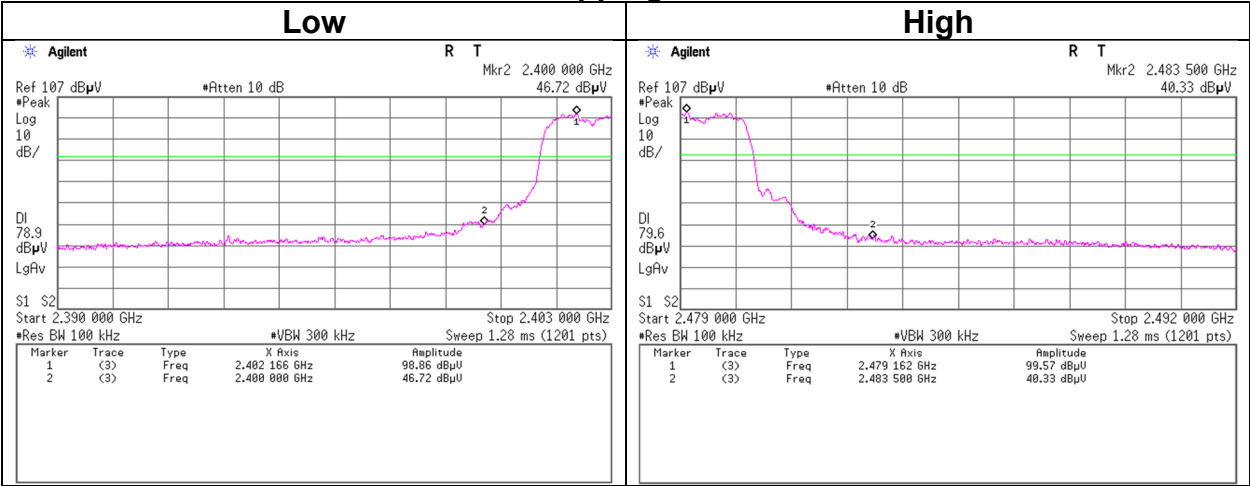
Hopping Off



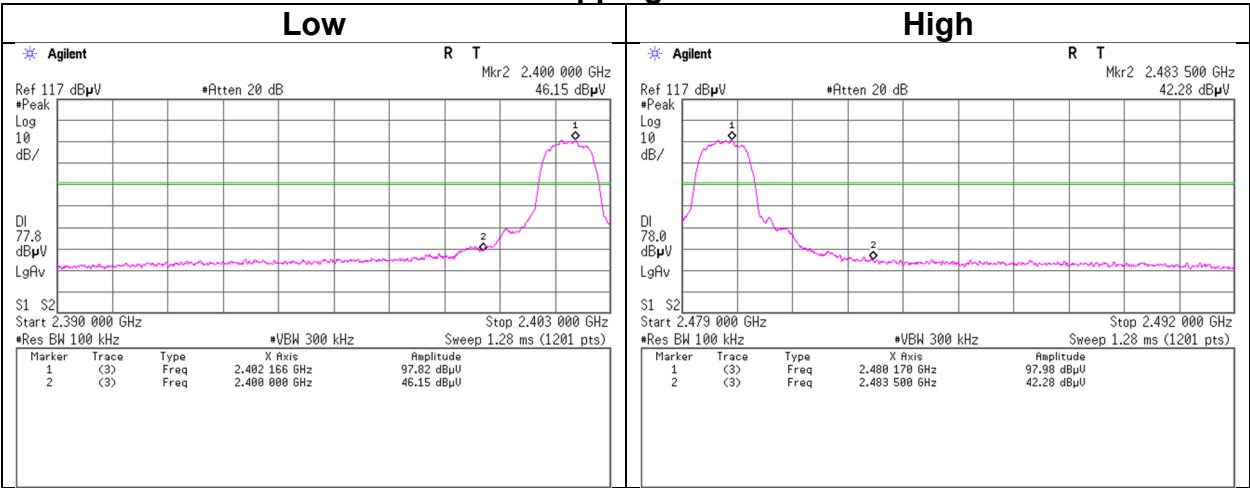
Conducted Emission Band Edge compliance

Mode	Tx, Hopping On / Off, 3DH5			
Date	Test site	Temperature	Humidity	Engineer
June 12, 2025	MR2	25 deg. C	57 % RH	Toshinori Yamada
June 12, 2025	MR2	25 deg. C	53 % RH	Kenichi Adachi

Hopping On



Hopping Off



APPENDIX 2: Test Instruments

Test Equipment(1/2)

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
AT	204928	Attenuator	Weinschel Corp.	54A-10	109973	2025/02/18	12
AT	239653	Coaxial Cable	Huber+Suhner	SUCOFLEX 102	2001221/2	2024/08/20	12
AT	235640	DIGITAL MULTIMETER	HIOKI E. E. CORPORATION	DT4261	230313157	2025/05/22	12
AT	146247	Power Meter	Keysight Technologies Inc	8990B	MY51000272	2025/05/20	12
AT	146310	Power sensor	Keysight Technologies Inc	N1923A	MY5326009	2025/05/20	12
AT	145801	Spectrum Analyzer	Keysight Technologies Inc	E4448A	MY48250152	2024/08/29	12
AT	146362	Thermo-Hygrometer	CUSTOM. Inc	CTH-190	K-07	2024/08/11	12
AT	259715	Thermo-Hygrometer	CUSTOM. Inc	CTH-230	-	2025/04/11	12
CE	248304	Attenuator	JFW	50HFFA-006-2/18N	-	2025/05/14	12
CE	145036	Coaxial Cable&RF Selector	Suhner/Suhner/TOYO	RG223U/141PE/NS4906	-/0901-271(RF Selector)	2025/04/05	12
CE	146210	Digital Hitester	HIOKI E. E. CORPORATION	3805-50	80997823	2024/09/24	12
CE	145539	LISN	Rohde & Schwarz	ENV216	100512	2025/02/01	12
CE	146432	Tape Measure	TAJIMA	GL19-55	-	-	-
CE	213530	Test Receiver	Rohde & Schwarz	ESW44	103068	2025/02/12	12
CE	259711	Thermo-Hygrometer	CUSTOM. Inc	CTH-230	-	2025/04/11	12
CE,RE	170932	EMI Software	TSJ (Techno Science Japan)	TEPTO-DV3(RE,CE,ME,PE)	Ver 3.1.0546	-	-
RE	199784	Attenuator	JFW	50HF-006N	-	2025/06/04	12
RE	239786	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	VHBB 9124+BBA9106	01895	2024/08/10	12
RE	236708	Coaxial Cable	Hayashi-Repic co., Ltd.	NMS079B-GL310C-SMS117B-2m	47256-02-03	2025/05/27	12
RE	236710	Coaxial Cable	Hayashi-Repic co., Ltd.	KMS020B-GL140sE-KMS020B-7.0m	47256-03-01	2025/05/27	12
RE	236723	Coaxial Cable	Hayashi-Repic co., Ltd.	SF106(HUBER+SUHNER)/LMR400UF/GL310C/GL310C	2000429/47753-1/47256-01-03/47256-01-01	2025/05/12	12
RE	239643	Coaxial Cable	Junkosha	MWX221-01000NFSNMS/B	2306S021	2024/08/20	12
RE	243209	Coaxial Cable	Hayashi-Repic co., Ltd.	SMS13-13A26-NFS13-1.0m	49190-01-01	2024/12/05	12
RE	243687	Coaxial Cable	Hayashi-Repic co., Ltd.	NMS079B-GL310C-NMS079B-6.0m	49373-01-01	2024/12/05	12
RE	243689	Coaxial Cable	Huber+Suhner	GL310C(Hayashi-Repic)/SF106/SF106	49373-01-01/2000781/2001160	2024/12/17	12

Test Equipment(2/2)

Test Item	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
RE	235639	DIGITAL MULTIMETER	HIOKI E. E. CORPORATION	DT4261	230313156	2025/05/22	12
RE	236585	Horn Antenna	AINFO Inc.	LB-42-25-C2-KF	2020087000103	2025/04/01	12
RE	236686	Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA 9120 C	787	2025/04/01	12
RE	236769	Horn Antenna	AINFO Inc.	LB-8180-NF	2030013000111	2025/04/01	12
RE	145527	Logperiodic Antenna	Schwarzbeck Mess-Elektronik OHG	VUSLP9111B	193	2025/03/18	12
RE	144878	Pre Amplifier	Hewlett Packard	8449B	3008A01268	2025/04/01	12
RE	236966	Pre Amplifier	TSJ (Techno Science Japan)	MLA-9K01-L01	23050009	2025/02/19	12
RE	237718	Pre Amplifier	TSJ (Techno Science Japan)	MLA-18265-J03	23060016	2025/06/19	12
RE	237784	RF RELAY MATRIX with preamplifier	TSJ (Techno Science Japan)	RFM-E221261R	07795	2024/11/12	12
RE	236212	Semi-Anechoic Chamber	TDK	SWAC-01(NSA)	1	2025/05/12	12
RE	236616	Semi-Anechoic Chamber	TDK	SWAC-01(SVSWR)	1	2025/06/12	12
RE	207280	Tape Measure	ASKUL	-	-	-	-
RE	235267	Test Receiver	Rohde & Schwarz	ESW44	103018	2025/03/18	12
RE	235735	Thermo-Hygrometer	CUSTOM. Inc	CTH-230	-	2025/04/16	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
CE: Conducted Emission
RE: Radiated Emission