

Radiated Spurious Emission

Mode	Tx 11ax-20(OFDMA)(SDM), 106-tone 2472 MHz												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
August 4, 2025	WAC2	23 deg. C	49 % RH	Kouki Yamada	1 GHz to 2.8 GHz

RU index 54

(* 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	59.72	27.77	-28.22	-	2.37	61.64	73.9	12.2	246	241	-
Vert.	2483.500	PK	55.33	27.77	-28.22	-	2.37	57.25	73.9	16.6	147	151	-

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 : $20\log(3.94[m]/3.0[m]) = 2.37[dB]$

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	42.17	27.77	-28.22	-	1.26	2.37	45.35	53.9	8.5	*1)
Vert.	2483.500	AV	38.85	27.77	-28.22	-	1.26	2.37	42.03	53.9	11.8	*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 : $20\log(3.94[m]/3.0[m]) = 2.37[dB]$

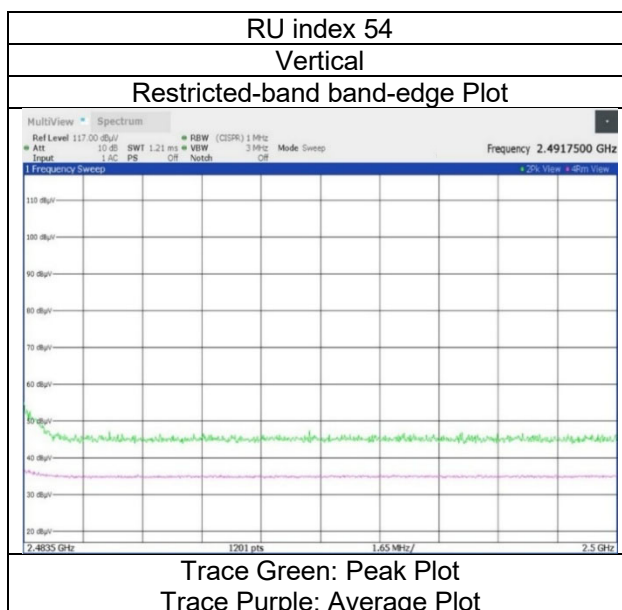
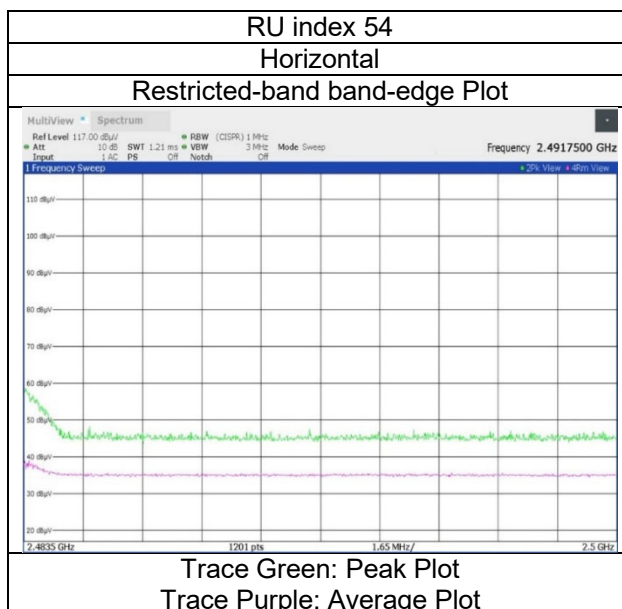
10 GHz to 40 GHz : $20\log(1.00[m]/3.0[m]) = -9.54[dB]$

Duty factor refer to "Burst rate confirmation" sheet.

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

Radiated Spurious Emission

Mode	Tx 11ax-20(OFDMA)(SDM), 106-tone 2472 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
August 4, 2025	WAC2	23 deg. C	49 % RH	Kouki Yamada	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)(SDM), 242-tone 2412 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
August 4, 2025	WAC2	23 deg. C	49 % RH	Kouki Yamada	1 GHz to 2.8 GHz

RU index 61

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2390.000	PK	55.89	27.71	-28.28	-	2.37	57.69	73.9	16.2	189	237	-
Vert.	2390.000	PK	53.59	27.71	-28.28	-	2.37	55.39	73.9	18.5	138	256	-

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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac.	Fac.	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2390.000	AV	41.74	27.71	-28.28	-	1.49	2.37	45.03	53.9	8.8	*1)
Vert.	2390.000	AV	39.76	27.71	-28.28	-	1.49	2.37	43.05	53.9	10.8	*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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2412.000	PK	95.38	27.77	-28.27	-	2.37	97.25	-	-	Carrier
Hori.	2400.000	PK	51.36	27.73	-28.27	-	2.37	53.19	77.2	24.0	-
Vert.	2412.000	PK	94.33	27.77	-28.27	-	2.37	96.20	-	-	Carrier
Vert.	2400.000	PK	47.60	27.73	-28.27	-	2.37	49.43	76.2	26.7	-

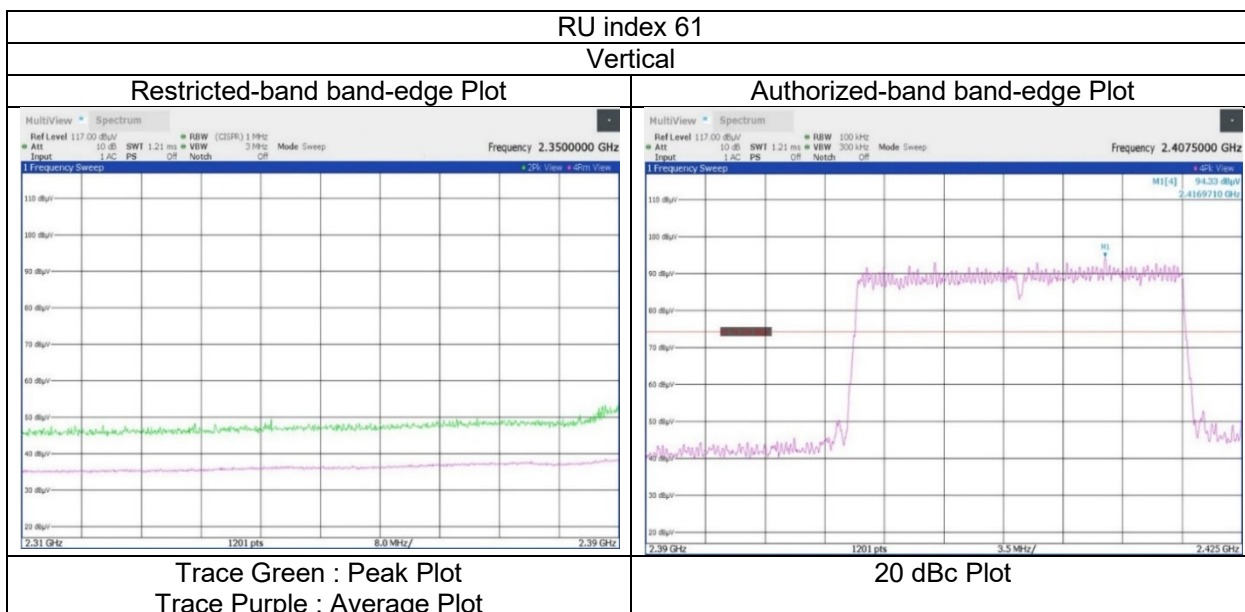
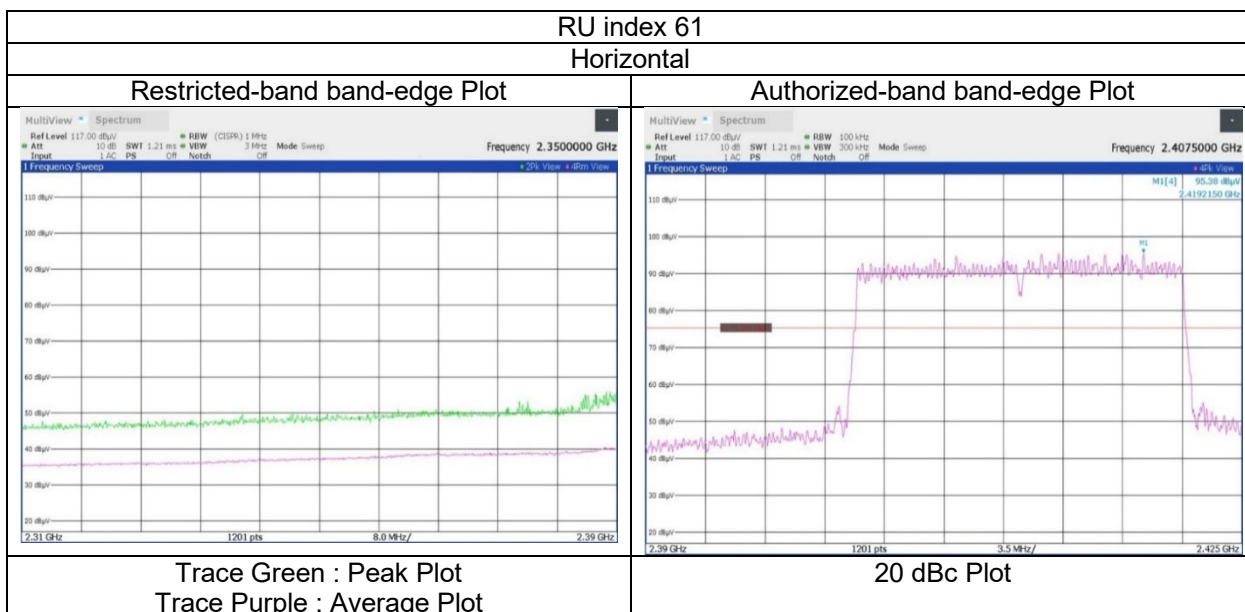
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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

Radiated Spurious Emission

Mode	Tx 11ax-20(OFDMA)(SDM), 242-tone 2412 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
August 4, 2025	WAC2	23 deg. C	49 % RH	Kouki Yamada	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)(SDM), 242-tone 2462 MHz												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
August 4, 2025	WAC2	23 deg. C	49 % RH	Kouki Yamada	1 GHz to 2.8 GHz

RU index 61

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2483.500	PK	57.36	27.77	-28.22	-	2.37	59.28	73.9	14.6	241	245	-
Vert.	2483.500	PK	51.96	27.77	-28.22	-	2.37	53.88	73.9	20.0	109	149	-

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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2483.500	AV	41.57	27.77	-28.22	-	1.49	2.37	44.98	53.9	8.9	*1)
Vert.	2483.500	AV	38.12	27.77	-28.22	-	1.49	2.37	41.53	53.9	12.3	*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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

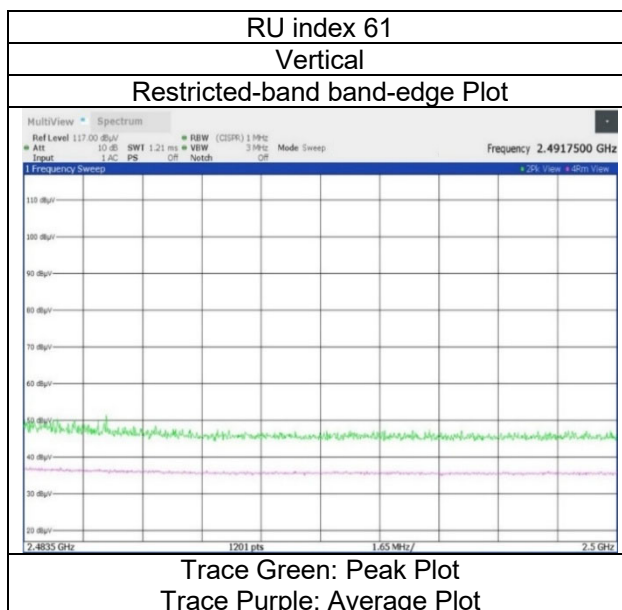
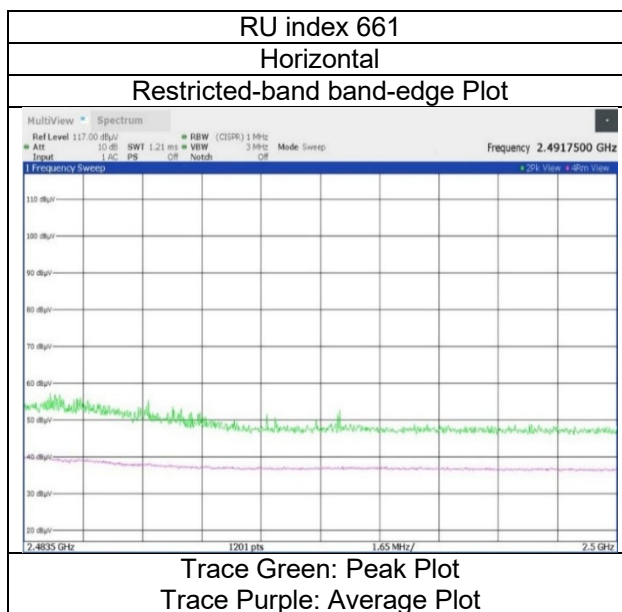
10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

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

Radiated Spurious Emission

Mode	Tx 11ax-20(OFDMA)(SDM), 242-tone 2462 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
August 4, 2025	WAC2	23 deg. C	49 % RH	Kouki Yamada	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)(SDM), 242-tone 2472 MHz												
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
August 4, 2025	WAC2	23 deg. C	49 % RH	Kouki Yamada	1 GHz to 2.8 GHz

RU index 61

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2483.500	PK	57.60	27.77	-28.22	-	2.37	59.52	73.9	14.3	210	243	-
Vert.	2483.500	PK	52.31	27.77	-28.22	-	2.37	54.23	73.9	19.6	108	255	-

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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2483.500	AV	42.19	27.77	-28.22	-	1.49	2.37	45.60	53.9	8.3	*1)
Vert.	2483.500	AV	39.51	27.77	-28.22	-	1.49	2.37	42.92	53.9	10.9	*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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

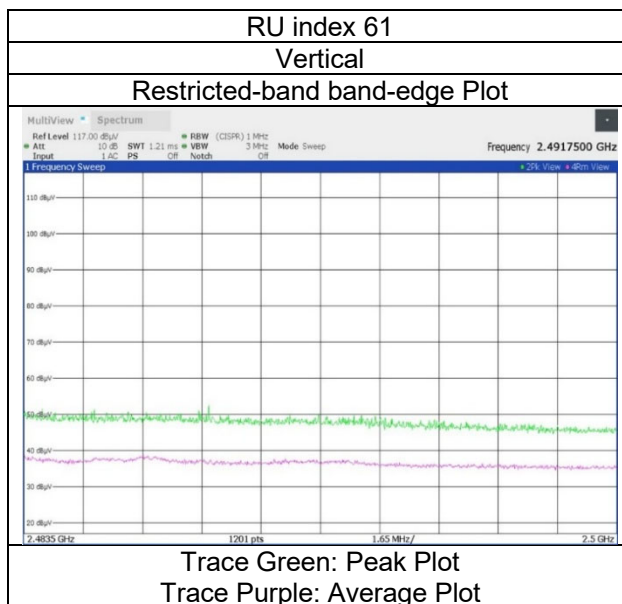
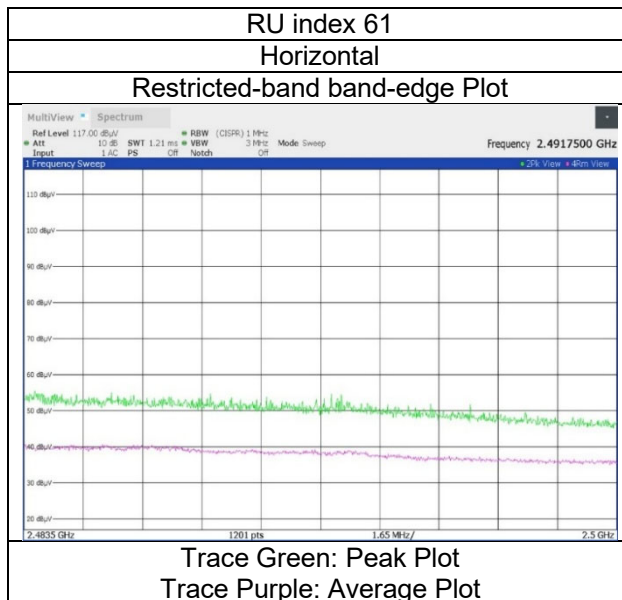
10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

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

Radiated Spurious Emission

Mode	Tx 11ax-20(OFDMA)(SDM), 242-tone 2472 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
August 4, 2025	WAC2	23 deg. C	49 % RH	Kouki Yamada	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 coded S = 8 2402 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 4, 2025	WAC2	25 deg. C	58 % RH	Kouki Yamada	1 GHz to 10 GHz
August 27, 2025	WAC2	25 deg. C	47 % RH	Hirosasa Sato	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	47.55	27.71	-28.27	-	2.37	49.36	73.9	24.5	194	135	-
Hori.	4804.000	PK	46.85	31.83	-35.97	-	2.37	45.08	73.9	28.8	149	163	-
Hori.	7206.000	PK	47.32	36.28	-34.41	-	2.37	51.56	73.9	22.3	150	0	Floor Noise
Hori.	9608.000	PK	46.07	38.04	-31.33	-	2.37	55.15	73.9	18.7	150	0	Floor Noise
Hori.	7206.000	AV	35.62	36.28	-34.41	-	2.37	39.86	53.9	14.0	150	0	Floor Noise
Hori.	9608.000	AV	35.13	38.04	-31.33	-	2.37	44.21	53.9	9.6	150	0	Floor Noise
Vert.	2390.000	PK	47.19	27.71	-28.27	-	2.37	49.00	73.9	24.9	231	218	-
Vert.	4804.000	PK	47.20	31.83	-35.97	-	2.37	45.43	73.9	28.4	152	281	-
Vert.	7206.000	PK	46.86	36.28	-34.41	-	2.37	51.10	73.9	22.8	150	0	Floor Noise
Vert.	9608.000	PK	46.79	38.04	-31.33	-	2.37	55.87	73.9	18.0	150	0	Floor Noise
Vert.	7206.000	AV	35.63	36.28	-34.41	-	2.37	39.87	53.9	14.0	150	0	Floor Noise
Vert.	9608.000	AV	35.39	38.04	-31.33	-	2.37	44.47	53.9	9.4	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 : $20\log(3.94[m]/3.0[m]) = 2.37$ [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	35.96	27.71	-28.27	-	0.12	2.37	37.89	53.9	16.0	*1)
Hori.	4804.000	AV	35.61	31.83	-35.97	-	0.12	2.37	33.96	53.9	19.9	-
Vert.	2390.000	AV	35.82	27.71	-28.27	-	0.12	2.37	37.75	53.9	16.1	*1)
Vert.	4804.000	AV	35.70	31.83	-35.97	-	0.12	2.37	34.05	53.9	19.8	-

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 : $20\log(3.94[m]/3.0[m]) = 2.37$ [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	90.99	27.74	-28.26	-	2.37	92.84	-	-	Carrier
Hori.	2400.000	PK	39.01	27.73	-28.26	-	2.37	40.85	72.8	31.9	-
Vert.	2402.000	PK	91.80	27.74	-28.26	-	2.37	93.65	-	-	Carrier
Vert.	2400.000	PK	39.35	27.73	-28.26	-	2.37	41.19	73.6	32.4	-

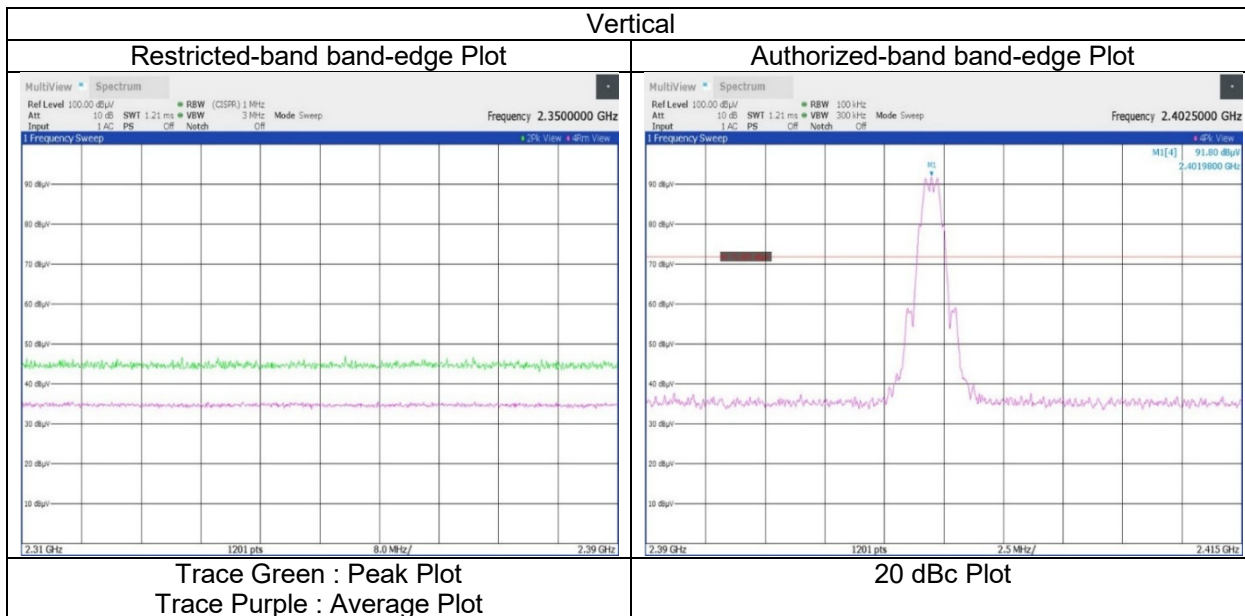
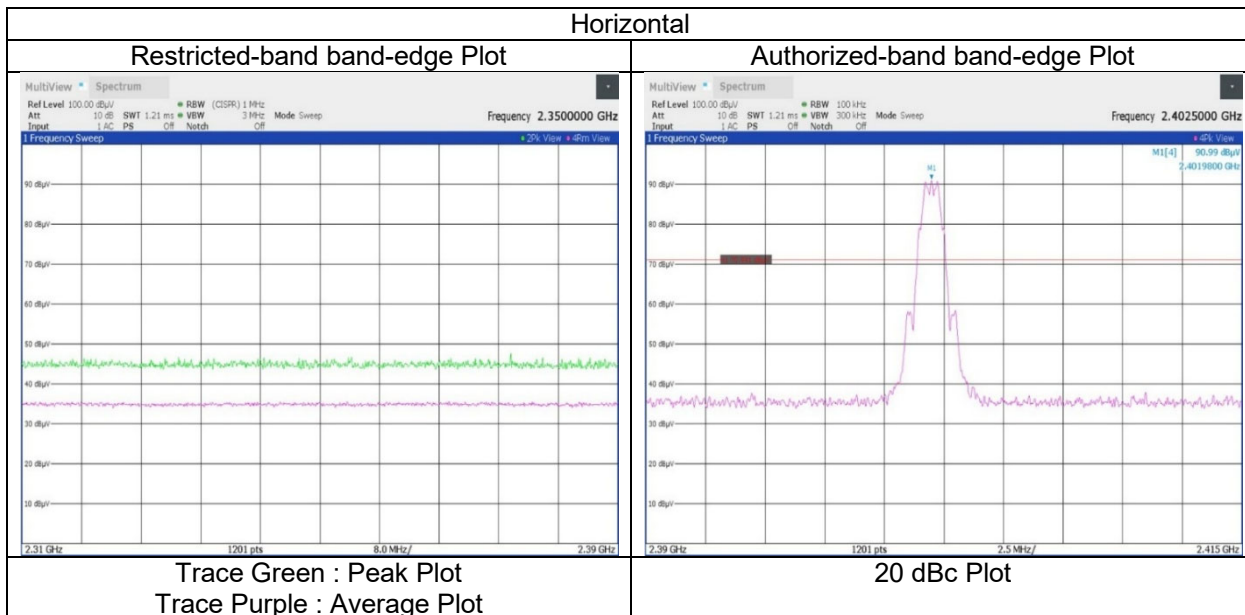
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.94[m]/3.0[m]) = 2.37$ [dB]

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

Radiated Spurious Emission

Mode	Tx BT LE coded S = 8 2402 MHz				
Date	September 4, 2025	Test site	WAC2	Temperature	25 deg. C
				Humidity	58 % RH
				Engineer	Kouki Yamada
				Measurement Range	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 coded S = 8 2440 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 4, 2025	WAC2	25 deg. C	58 % RH	Kouki Yamada	1 GHz to 10 GHz
August 27, 2025	WAC2	25 deg. C	47 % RH	Hirosasa Sato	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.	4880.000	PK	46.79	32.27	-35.95	-	2.37	45.48	73.9	28.4	153	310	-
Hori.	7320.000	PK	46.51	36.66	-34.20	-	2.37	51.34	73.9	22.5	150	0	Floor Noise
Hori.	9760.000	PK	45.52	38.09	-31.13	-	2.37	54.85	73.9	19.0	150	0	Floor Noise
Hori.	7320.000	AV	35.87	36.66	-34.20	-	2.37	40.70	53.9	13.2	150	0	Floor Noise
Hori.	9760.000	AV	34.75	38.09	-31.13	-	2.37	44.08	53.9	9.8	150	0	Floor Noise
Vert.	4880.000	PK	46.64	32.27	-35.95	-	2.37	45.33	73.9	28.5	154	159	-
Vert.	7320.000	PK	46.57	36.66	-34.20	-	2.37	51.40	73.9	22.5	150	0	Floor Noise
Vert.	9760.000	PK	46.28	38.09	-31.13	-	2.37	55.61	73.9	18.2	150	0	Floor Noise
Vert.	7320.000	AV	35.72	36.66	-34.20	-	2.37	40.55	53.9	13.3	150	0	Floor Noise
Vert.	9760.000	AV	34.93	38.09	-31.13	-	2.37	44.26	53.9	9.6	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 : $20\log(3.94[m] / 3.0[m]) = 2.37 [dB]$

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.	4880.000	AV	35.58	32.27	-35.95	-	0.12	2.37	34.39	53.9	19.5	-
Vert.	4880.000	AV	35.49	32.27	-35.95	-	0.12	2.37	34.30	53.9	19.6	-

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 : $20\log(3.94[m] / 3.0[m]) = 2.37 [dB]$

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 BT LE coded S = 8 2480 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 4, 2025	WAC2	25 deg. C	58 % RH	Kouki Yamada	1 GHz to 10 GHz
August 27, 2025	WAC2	25 deg. C	47 % RH	Hiromasa Sato	Above 10 GHz
September 12, 2025	WAC2	24 deg. C	46 % RH	Yosuke Murakami	Below 1 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	63.100	QP	41.90	9.50	6.51	33.17	0.00	24.74	40.0	15.2	323	192	-
Hori.	69.989	QP	45.40	9.30	6.59	33.20	0.00	28.09	40.0	11.9	296	223	-
Hori.	73.676	QP	43.60	9.20	6.69	33.21	0.00	26.28	40.0	13.7	400	96	-
Hori.	416.402	QP	47.20	16.00	8.06	32.52	0.00	38.74	46.0	7.2	100	318	-
Hori.	2483.500	PK	47.30	27.77	-28.21	-	2.37	49.23	73.9	24.6	264	127	-
Hori.	4960.000	PK	47.36	32.58	-35.92	-	2.37	46.39	73.9	27.5	153	187	-
Hori.	7440.000	PK	46.86	36.79	-33.97	-	2.37	52.05	73.9	21.8	150	0	Floor Noise
Hori.	9920.000	PK	46.50	38.15	-30.92	-	2.37	56.10	73.9	17.8	150	0	Floor Noise
Hori.	7440.000	AV	35.84	36.79	-33.97	-	2.37	41.03	53.9	12.8	150	0	Floor Noise
Hori.	9920.000	AV	35.00	38.15	-30.92	-	2.37	44.60	53.9	9.3	150	0	Floor Noise
Vert.	32.026	QP	46.50	13.21	6.33	32.74	0.00	33.30	40.0	6.7	100	328	-
Vert.	37.260	QP	44.30	12.06	6.41	32.88	0.00	29.89	40.0	10.1	100	316	-
Vert.	52.877	QP	45.90	9.93	6.55	33.10	0.00	29.28	40.0	10.7	100	151	-
Vert.	68.228	QP	46.80	9.36	6.57	33.19	0.00	29.54	40.0	10.4	100	88	-
Vert.	416.403	QP	44.60	16.00	8.06	32.52	0.00	36.14	46.0	9.8	146	243	-
Vert.	2483.500	PK	46.28	27.77	-28.21	-	2.37	48.21	73.9	25.6	157	214	-
Vert.	4960.000	PK	47.90	32.58	-35.92	-	2.37	46.93	73.9	26.9	148	219	-
Vert.	7440.000	PK	47.01	36.79	-33.97	-	2.37	52.20	73.9	21.7	150	0	Floor Noise
Vert.	9920.000	PK	46.43	38.15	-30.92	-	2.37	56.03	73.9	17.8	150	0	Floor Noise
Vert.	7440.000	AV	35.76	36.79	-33.97	-	2.37	40.95	53.9	12.9	150	0	Floor Noise
Vert.	9920.000	AV	35.18	38.15	-30.92	-	2.37	44.78	53.9	9.1	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: $20\log(3.94[m]/3.0[m]) = 2.37$ [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	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2483.500	AV	35.81	27.77	-28.21	-	0.12	2.37	37.86	53.9	16.0	*1)
Hori.	4960.000	AV	35.78	32.58	-35.92	-	0.12	2.37	34.93	53.9	18.9	-
Vert.	2483.500	AV	35.65	27.77	-28.21	-	0.12	2.37	37.70	53.9	16.2	*1)
Vert.	4960.000	AV	35.78	32.58	-35.92	-	0.12	2.37	34.93	53.9	18.9	-

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: $20\log(3.94[m]/3.0[m]) = 2.37$ [dB]

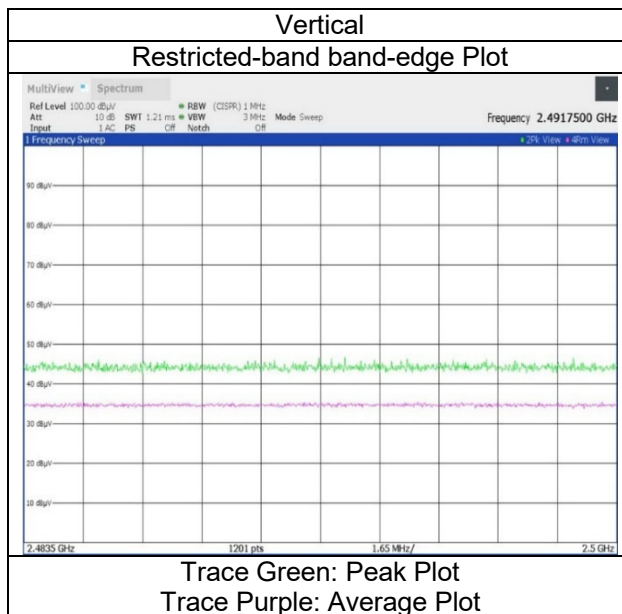
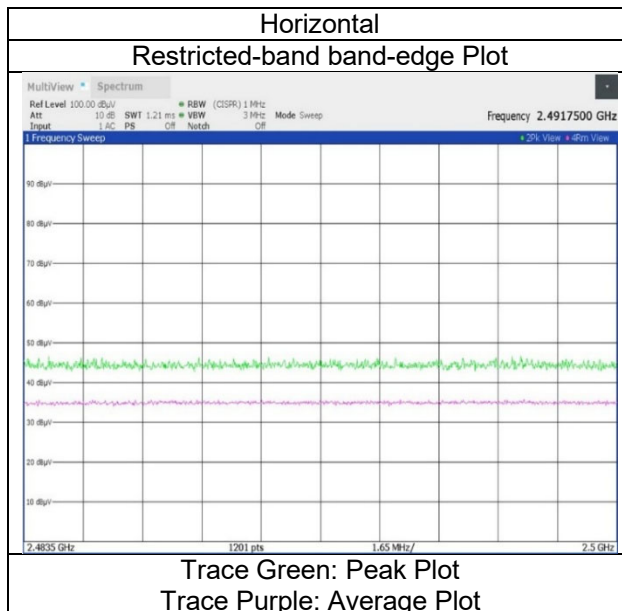
10 GHz to 40 GHz: $20\log(1.00[m]/3.0[m]) = -9.54$ [dB]

Duty factor refer to "Burst rate confirmation" sheet

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

Radiated Spurious Emission

Mode	Tx BT LE coded S = 8 2480 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 4, 2025	WAC2	25 deg. C	58 % RH	Kouki Yamada	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 2M-PHY 2402 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 4, 2025	WAC2	25 deg. C	58 % RH	Kouki Yamada	1 GHz to 10 GHz
August 27, 2025	WAC2	25 deg. C	47 % RH	Hiromasa Sato	Above 10 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2390.000	PK	47.94	27.71	-28.27	-	2.37	49.75	73.9	24.1	195	135	-
Hori.	4804.000	PK	47.00	31.83	-35.97	-	2.37	45.23	73.9	28.6	148	160	-
Hori.	7206.000	PK	46.78	36.28	-34.41	-	2.37	51.02	73.9	22.8	150	0	Floor Noise
Hori.	9608.000	PK	45.73	38.04	-31.33	-	2.37	54.81	73.9	19.0	150	0	Floor Noise
Hori.	7206.000	AV	35.66	36.28	-34.41	-	2.37	39.90	53.9	14.0	150	0	Floor Noise
Hori.	9608.000	AV	35.19	38.04	-31.33	-	2.37	44.27	53.9	9.6	150	0	Floor Noise
Vert.	2390.000	PK	47.56	27.71	-28.27	-	2.37	49.37	73.9	24.5	232	216	-
Vert.	4804.000	PK	47.05	31.83	-35.97	-	2.37	45.28	73.9	28.6	149	284	-
Vert.	7206.000	PK	46.98	36.28	-34.41	-	2.37	51.22	73.9	22.6	150	0	Floor Noise
Vert.	9608.000	PK	46.00	38.04	-31.33	-	2.37	55.08	73.9	18.8	150	0	Floor Noise
Vert.	7206.000	AV	35.58	36.28	-34.41	-	2.37	39.82	53.9	14.0	150	0	Floor Noise
Vert.	9608.000	AV	35.25	38.04	-31.33	-	2.37	44.33	53.9	9.5	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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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.	2390.000	AV	35.81	27.71	-28.27	-	2.45	2.37	40.07	53.9	13.8	*1)
Hori.	4804.000	AV	35.50	31.83	-35.97	-	2.45	2.37	36.18	53.9	17.7	-
Vert.	2390.000	AV	35.72	27.71	-28.27	-	2.45	2.37	39.98	53.9	13.9	*1)
Vert.	4804.000	AV	35.73	31.83	-35.97	-	2.45	2.37	36.41	53.9	17.4	-

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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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	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.	2402.000	PK	93.16	27.74	-28.26	-	2.37	95.01	-	-	Carrier
Hori.	2400.000	PK	61.35	27.73	-28.26	-	2.37	63.19	75.0	11.8	-
Vert.	2402.000	PK	93.95	27.74	-28.26	-	2.37	95.80	-	-	Carrier
Vert.	2400.000	PK	62.13	27.73	-28.26	-	2.37	63.97	75.8	11.8	-

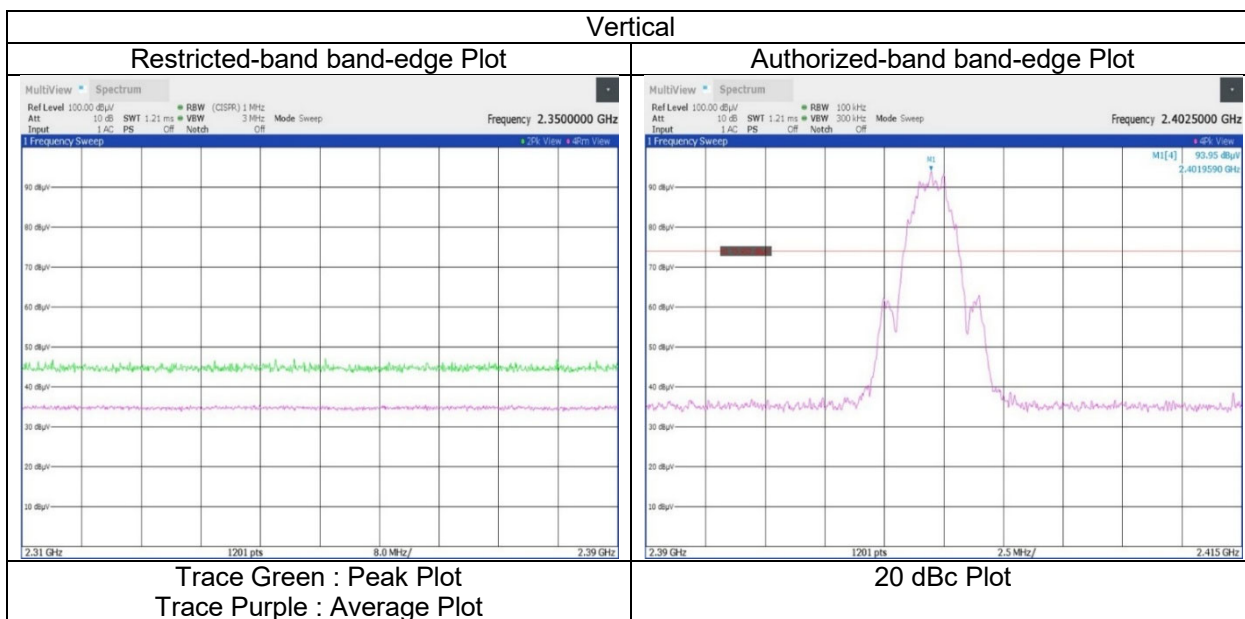
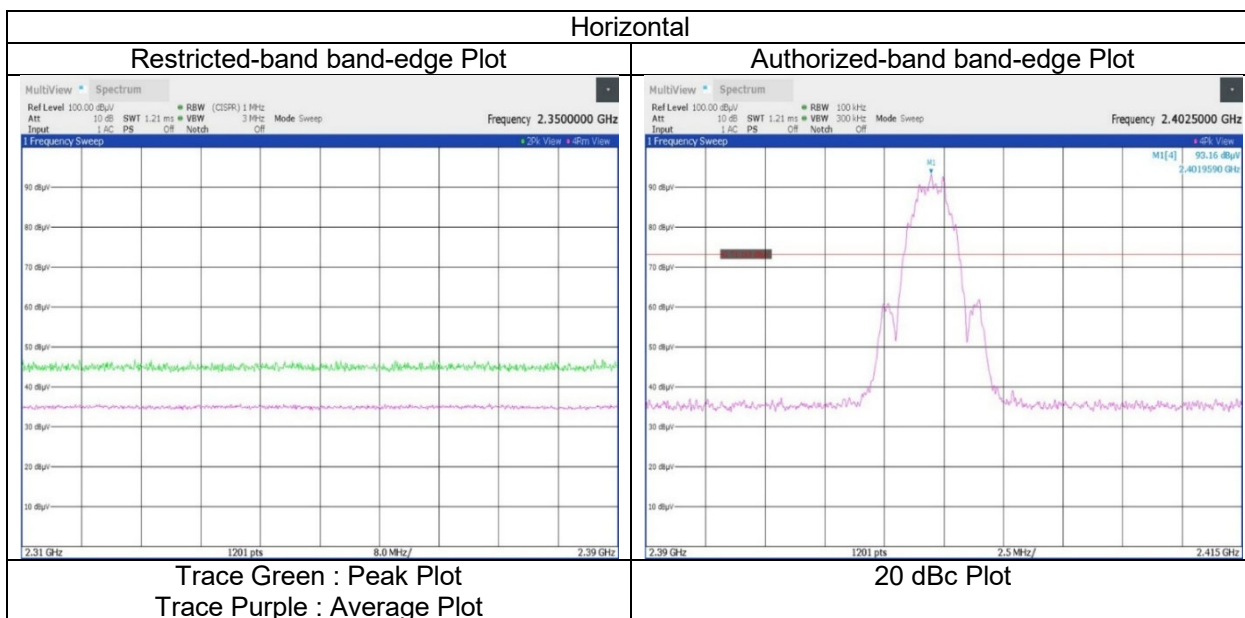
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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

Radiated Spurious Emission

Mode	Tx BT LE 2M-PHY 2402 MHz				
Date	September 4, 2025	Test site	WAC2	Temperature	25 deg. C
				Humidity	58 % RH
				Engineer	Kouki Yamada
				Measurement Range	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 2M-PHY 2440 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 4, 2025	WAC2	25 deg. C	58 % RH	Kouki Yamada	1 GHz to 10 GHz
August 27, 2025	WAC2	25 deg. C	47 % RH	Hiromasa Sato	Above 10 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	4880.000	PK	46.85	32.27	-35.95	-	2.37	45.54	73.9	28.3	151	317	-
Hori.	7320.000	PK	46.54	36.66	-34.20	-	2.37	51.37	73.9	22.5	150	0	Floor Noise
Hori.	9760.000	PK	46.08	38.09	-31.13	-	2.37	55.41	73.9	18.4	150	0	Floor Noise
Hori.	7320.000	AV	35.80	36.66	-34.20	-	2.37	40.63	53.9	13.2	150	0	Floor Noise
Hori.	9760.000	AV	34.98	38.09	-31.13	-	2.37	44.31	53.9	9.5	150	0	Floor Noise
Vert.	4880.000	PK	47.13	32.27	-35.95	-	2.37	45.82	73.9	28.0	151	154	-
Vert.	7320.000	PK	46.81	36.66	-34.20	-	2.37	51.64	73.9	22.2	150	0	Floor Noise
Vert.	9760.000	PK	45.89	38.09	-31.13	-	2.37	55.22	73.9	18.6	150	0	Floor Noise
Vert.	7320.000	AV	36.10	36.66	-34.20	-	2.37	40.93	53.9	12.9	150	0	Floor Noise
Vert.	9760.000	AV	34.97	38.09	-31.13	-	2.37	44.30	53.9	9.6	150	0	Floor Noise

Result = Reading + Ant.Fac. + Loss (Cable + (Attenuator 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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	4880.000	AV	35.46	32.27	-35.95	-	2.45	2.37	36.60	53.9	17.3	-
Vert.	4880.000	AV	35.61	32.27	-35.95	-	2.45	2.37	36.75	53.9	17.1	-

Result = Reading + Ant.Fac. + Loss (Cable + (Attenuator 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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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 BT LE 2M-PHY 2480 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 4, 2025	WAC2	25 deg. C	58 % RH	Kouki Yamada	1 GHz to 10 GHz
August 27, 2025	WAC2	25 deg. C	47 % RH	Huromasa Sato	Above 10 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	2483.500	PK	47.68	27.77	-28.21	-	2.37	49.61	73.9	24.2	265	128	-
Hori.	4960.000	PK	47.02	32.58	-35.92	-	2.37	46.05	73.9	27.8	155	191	-
Hori.	7440.000	PK	47.15	36.79	-33.97	-	2.37	52.34	73.9	21.5	150	0	Floor Noise
Hori.	9920.000	PK	46.65	38.15	-30.92	-	2.37	56.25	73.9	17.6	150	0	Floor Noise
Hori.	7440.000	AV	35.74	36.79	-33.97	-	2.37	40.93	53.9	12.9	150	0	Floor Noise
Hori.	9920.000	AV	35.03	38.15	-30.92	-	2.37	44.63	53.9	9.2	150	0	Floor Noise
Vert.	2483.500	PK	47.78	27.77	-28.21	-	2.37	49.71	73.9	24.1	158	212	-
Vert.	4960.000	PK	47.19	32.58	-35.92	-	2.37	46.22	73.9	27.6	149	217	-
Vert.	7440.000	PK	47.11	36.79	-33.97	-	2.37	52.30	73.9	21.6	150	0	Floor Noise
Vert.	9920.000	PK	46.44	38.15	-30.92	-	2.37	56.04	73.9	17.8	150	0	Floor Noise
Vert.	7440.000	AV	35.88	36.79	-33.97	-	2.37	41.07	53.9	12.8	150	0	Floor Noise
Vert.	9920.000	AV	34.94	38.15	-30.92	-	2.37	44.54	53.9	9.3	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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	Fac. [dB]	Fac. [dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2483.500	AV	35.90	27.77	-28.21	-	2.45	2.37	40.28	53.9	13.6	*1)
Hori.	4960.000	AV	36.07	32.58	-35.92	-	2.45	2.37	37.55	53.9	16.3	-
Vert.	2483.500	AV	36.24	27.77	-28.21	-	2.45	2.37	40.62	53.9	13.2	*1)
Vert.	4960.000	AV	35.95	32.58	-35.92	-	2.45	2.37	37.43	53.9	16.4	-

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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

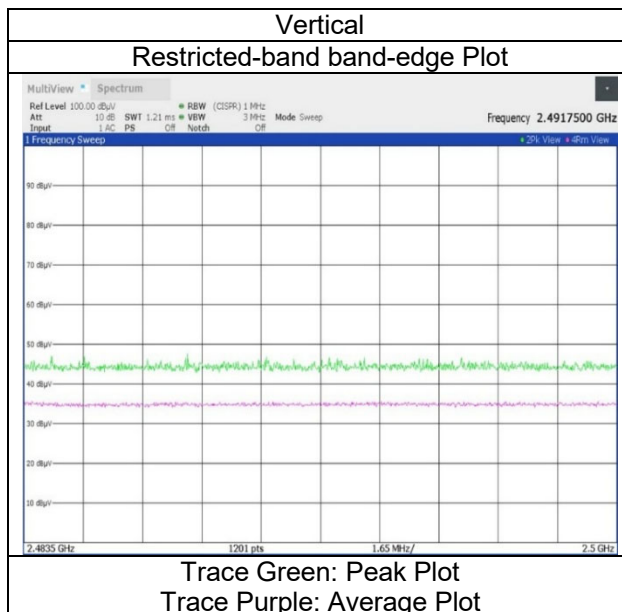
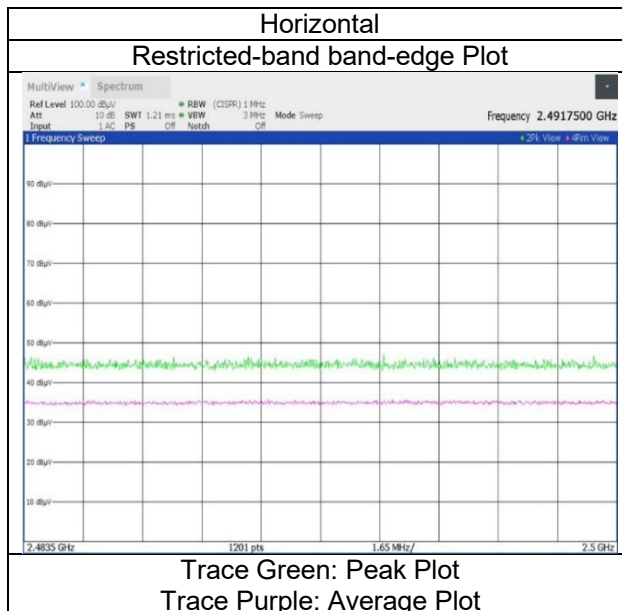
10 GHz to 40 GHz : $20\log(1.00 [m] / 3.0 [m]) = -9.54 [dB]$

Duty factor refer to "Burst rate confirmation" sheet.

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

Radiated Spurious Emission

Mode	Tx BT LE 2M-PHY 2480 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 4, 2025	WAC2	25 deg. C	58 % RH	Kouki Yamada	1 GHz to 2.8 GHz

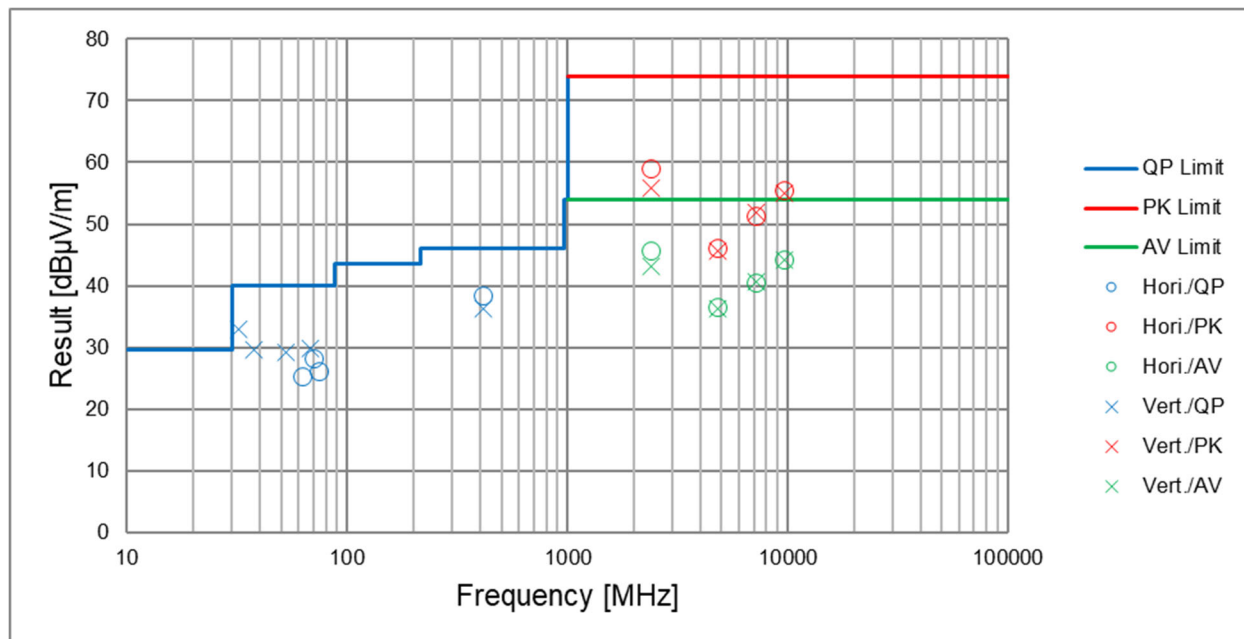


* The measurement was conducted for a sufficiently long enough time to detect any possible spurious emissions.
Final result of restricted band edge was shown in tabular data.

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

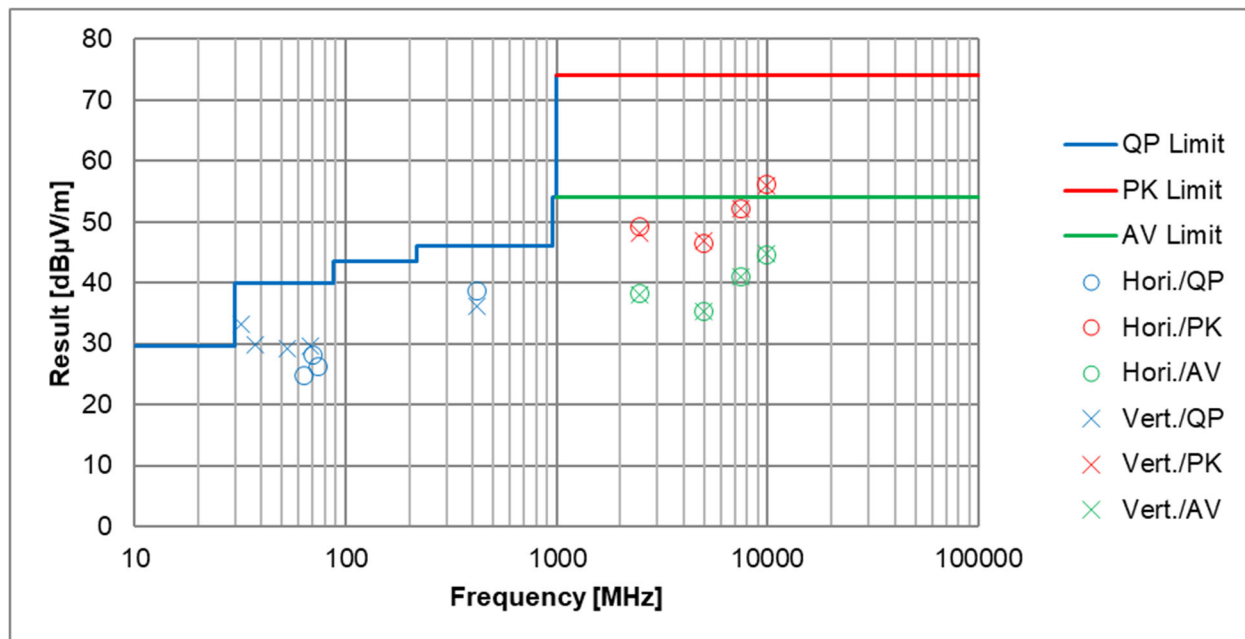
Mode	Tx 11ax-20(OFDM)(SDM) 2412 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
August 4, 2025	WAC2	23 deg. C	49 % RH	Kouki Yamada	1 GHz to 2.8 GHz
August 5, 2025	WAC2	27 deg. C	48 % RH	Kouki Yamada	2.8 GHz to 10 GHz
August 27, 2025	WAC2	25 deg. C	48 % RH	Miku Ikudome	10 GHz to 18 GHz
August 24, 2025	WAC2	25 deg. C	48 % RH	Kouki Yamada	Above 18 GHz
September 12, 2025	WAC2	24 deg. C	46 % RH	Yosuke Murakami	Below 1 GHz



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

Mode	Tx BT LE coded S = 8 2480 MHz				
Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 4, 2025	WAC2	25 deg. C	58 % RH	Kouki Yamada	1 GHz to 10 GHz
August 27, 2025	WAC2	25 deg. C	47 % RH	Hiromasa Sato	Above 10 GHz
September 12, 2025	WAC2	24 deg. C	46 % RH	Yosuke Murakami	Below 1 GHz



Radiated Spurious Emission

Mode	Tx BT LE 2M-PHY 2402 MHz with Tx 11ax-80(OFDM)(SDM) 5775 MHz											
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
January 28, 2026	WAC2	24 deg. C	22 % RH	Miku Ikudome	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.	2390.000	PK	47.62	27.71	-28.17	-	2.37	49.53	73.9	24.3	251	230	-
Vert.	2390.000	PK	47.83	27.71	-28.17	-	2.37	49.74	73.9	24.1	268	211	-

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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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	36.97	27.71	-28.17	-	2.45	2.37	41.33	53.9	12.5	*1)
Vert.	2390.000	AV	37.11	27.71	-28.17	-	2.45	2.37	41.47	53.9	12.4	*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 : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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	92.38	27.74	-28.16	-	2.37	94.33	-	-	Carrier
Hori.	2400.000	PK	61.17	27.73	-28.17	-	2.37	63.10	74.3	11.2	-
Vert.	2402.000	PK	92.59	27.74	-28.16	-	2.37	94.54	-	-	Carrier
Vert.	2400.000	PK	61.23	27.73	-28.17	-	2.37	63.16	74.5	11.3	-

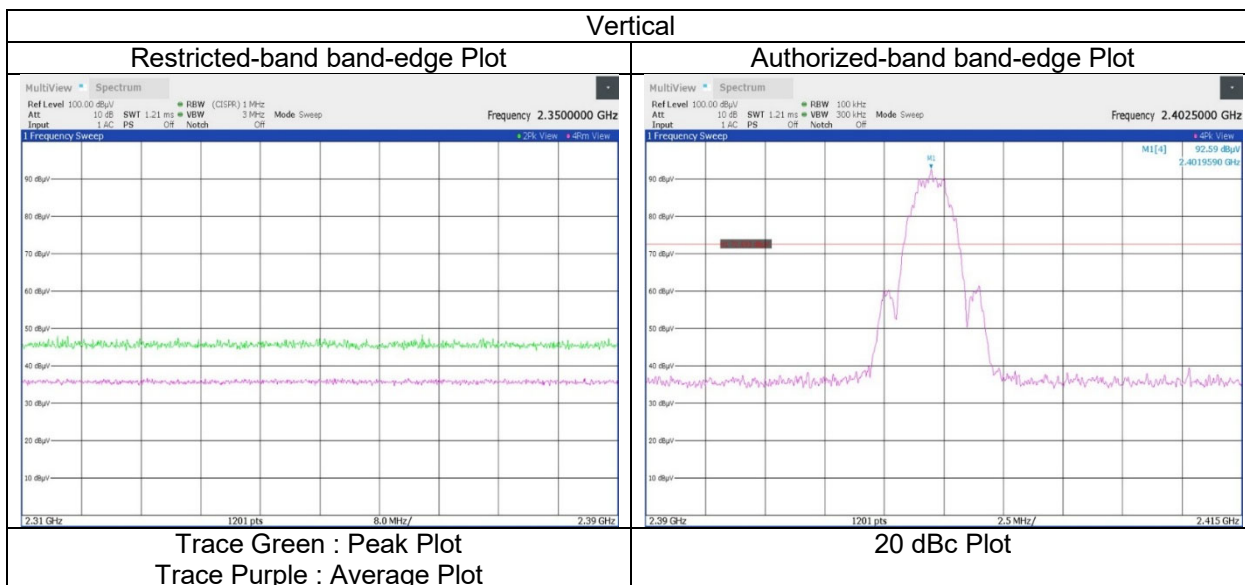
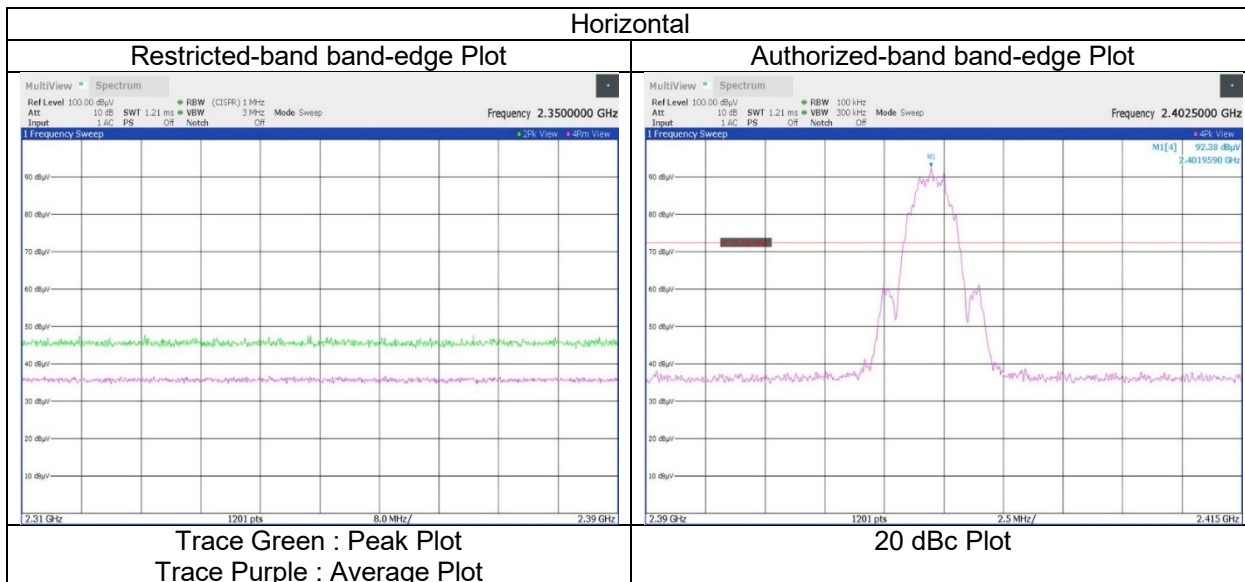
Result = Reading + Ant.Fac. + Loss (Cable + (Atten or Filter)(below 18 GHz) - Gain(Amp) (1 GHz to 18 GHz)) - Gain(Amp) (only below 1 GHz & above 18 GHz) + Distance Fac.

Distance Fac. : 1 GHz to 10 GHz : $20\log(3.94 [m] / 3.0 [m]) = 2.37 [dB]$

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

Radiated Spurious Emission

Mode	Tx BT LE 2M-PHY 2402 MHz with Tx 11ax-80(OFDM)(SDM) 5775 MHz				
Date	January 28, 2026	Test site	WAC2	Temperature	24 deg. C
				Humidity	22 % RH
				Engineer	Miku Ikudome
				Measurement Range	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 2M-PHY 2480 MHz with Tx 11ax-80(OFDM)(SDM) 5775 MHz
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Date	Test site	Temperature	Humidity	Engineer	Measurement Range
September 10, 2025	WAC2	25 deg. C	55 % RH	Yosuke Murakami	1 GHz to 10 GHz
August 8, 2025	WAC2	25 deg. C	50 % RH	Yosuke Murakami	Above 10 GHz
September 12, 2025	WAC2	24 deg. C	46 % RH	Yosuke Murakami	Below 1 GHz

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

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Distance	Result	Limit	Margin	Height	Angle	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[deg.]	
Hori.	62.572	QP	41.40	9.51	6.51	33.17	0.00	24.25	40.0	15.7	317	187	-
Hori.	69.729	QP	45.60	9.31	6.59	33.20	0.00	28.30	40.0	11.7	304	218	-
Hori.	73.582	QP	42.80	9.20	6.69	33.21	0.00	25.48	40.0	14.5	400	108	-
Hori.	416.404	QP	47.20	16.00	8.06	32.52	0.00	38.74	46.0	7.2	100	321	-
Hori.	2483.500	PK	46.81	27.77	-28.21	-	2.37	48.74	73.9	25.1	184	128	-
Hori.	4960.000	PK	47.06	32.58	-35.92	-	2.37	46.09	73.9	27.8	153	125	-
Hori.	7440.000	PK	45.98	36.79	-33.94	-	2.37	51.20	73.9	22.7	150	0	Floor Noise
Hori.	9920.000	PK	45.32	38.15	-31.33	-	2.37	54.51	73.9	19.3	150	0	Floor Noise
Hori.	7440.000	AV	35.64	36.79	-33.94	-	2.37	40.86	53.9	13.0	150	0	Floor Noise
Hori.	9920.000	AV	34.70	38.15	-31.33	-	2.37	43.89	53.9	10.0	150	0	Floor Noise
Vert.	32.666	QP	46.40	13.06	6.33	32.76	0.00	33.03	40.0	6.9	100	320	-
Vert.	37.292	QP	44.40	12.05	6.41	32.88	0.00	29.98	40.0	10.0	100	328	-
Vert.	51.563	QP	46.00	10.02	6.55	33.09	0.00	29.48	40.0	10.5	100	152	-
Vert.	68.268	QP	46.80	9.35	6.57	33.19	0.00	29.53	40.0	10.4	100	96	-
Vert.	416.403	QP	44.70	16.00	8.06	32.52	0.00	36.24	46.0	9.7	145	243	-
Vert.	2483.500	PK	46.66	27.77	-28.21	-	2.37	48.59	73.9	25.3	137	220	-
Vert.	4960.000	PK	46.83	32.58	-35.92	-	2.37	45.86	73.9	28.0	159	185	-
Vert.	7440.000	PK	46.55	36.79	-33.94	-	2.37	51.77	73.9	22.1	150	0	Floor Noise
Vert.	9920.000	PK	45.22	38.15	-31.33	-	2.37	54.41	73.9	19.4	150	0	Floor Noise
Vert.	7440.000	AV	35.54	36.79	-33.94	-	2.37	40.76	53.9	13.1	150	0	Floor Noise
Vert.	9920.000	AV	34.72	38.15	-31.33	-	2.37	43.91	53.9	9.9	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 : $20\log(3.94[m]/3.0[m]) = 2.37[dB]$

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	Distance	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori.	2483.500	AV	35.95	27.77	-28.21	-	2.45	2.37	40.33	53.9	13.5	*1)
Hori.	4960.000	AV	36.50	32.58	-35.92	-	2.45	2.37	37.98	53.9	15.9	-
Vert.	2483.500	AV	35.84	27.77	-28.21	-	2.45	2.37	40.22	53.9	13.6	*1)
Vert.	4960.000	AV	36.13	32.58	-35.92	-	2.45	2.37	37.61	53.9	16.2	-

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 : $20\log(3.94[m]/3.0[m]) = 2.37[dB]$

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

Duty factor refer to "Burst rate confirmation" sheet.

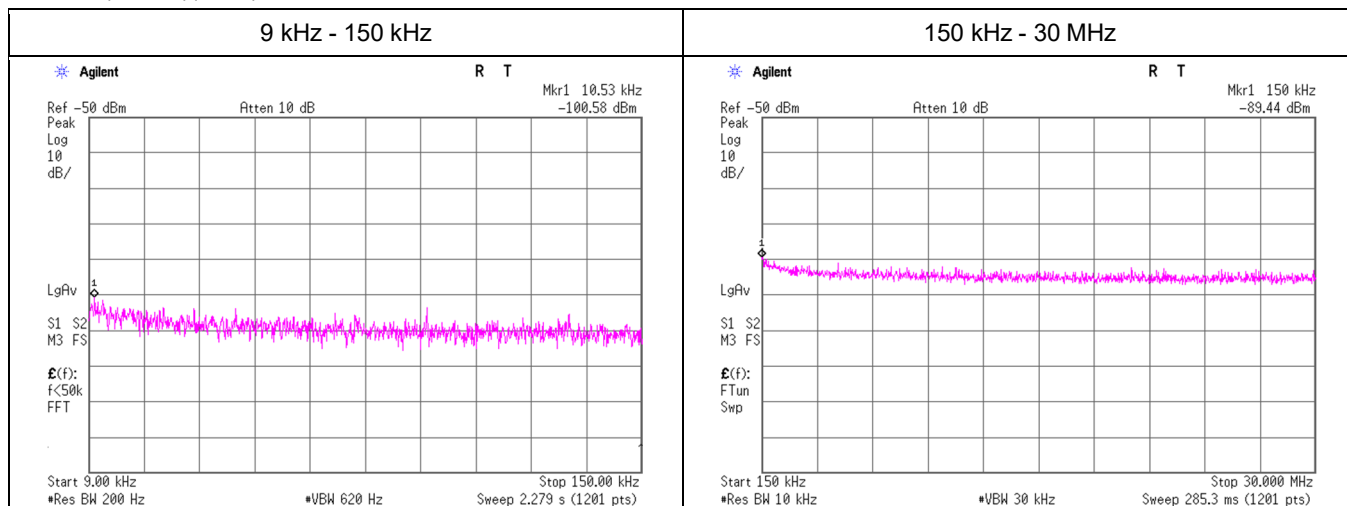
*1) Not out of band emission (Leakage Power)

Conducted Spurious Emission

Mode	Tx 11ax-20(OFDM)(SDM)
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Date	Test Place	Temperature	Humidity	Engineer
August 27, 2025	MR1	25 deg.C	46 %RH	Yosuke Murakami

11ax-20(OFDM)(SDM) 2412 MHz



Freq.	Reading	Cable	Atten.	Antenna	N	EIRP	Distance	Ground	E	Limit	Margin	Remark
[MHz]	[dBm]	Loss	Loss	Gain *	(Number of Output)	[dBm]	[m]	bounce	(field strength)	[dBuV/m]	[dB]	
0.011	-100.58	0.00	10.11	2.00	2.00	-85.5	300	6.0	-24.2	47.1	71.3	-
0.150	-89.44	0.01	10.11	2.00	2.00	-74.3	300	6.0	-13.1	24.0	37.1	-

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

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

N: Number of output

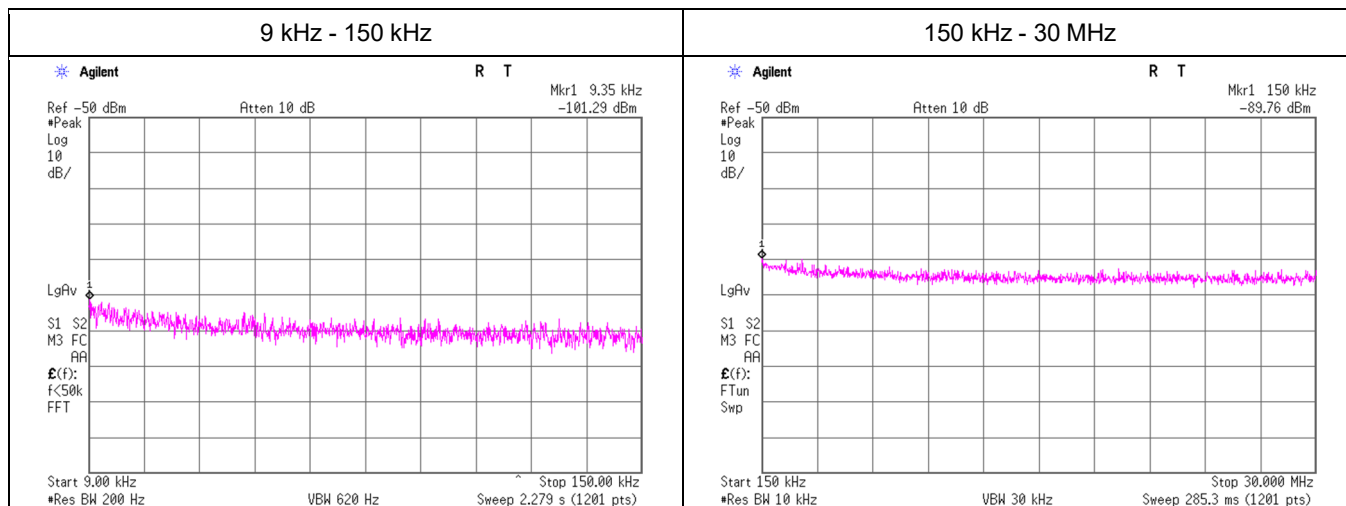
*2.0 dBi was applied to the test result based on ANSI C63.10 since antenna gain was less than 2.0 dBi.

Conducted Spurious Emission

Mode	Tx BT LE coded S = 8
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Date	Test Place	Temperature	Humidity	Engineer
August 25, 2025	MR1	25 deg.C	52 %RH	Yosuke Murakami

BT LE coded S = 8, 2480 MHz



Freq.	Reading	Cable Loss	Atten. Loss	Antenna Gain *	N (Number of Output)	EIRP	Distance	Ground bounce	E (field strength)	Limit	Margin	Remark
[MHz]	[dBm]	[dB]	[dB]	[dBi]		[dBm]	[m]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
0.009	-101.29	0.00	10.11	2.00	1.00	-89.2	300	6.0	-27.9	48.1	76.0	-
0.150	-89.76	0.01	10.11	2.00	1.00	-77.6	300	6.0	-16.4	24.0	40.4	-

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

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

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
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Date	Test Place	Temperature	Humidity	Engineer
August 20, 2025	MR1	25 deg.C	52 %RH	Kouki Yamada

11b

Antenna Port: Ant 0

Tested Freq. [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2412	-22.02	1.65	10.17	-10.21	8.00	18.21
2437	-22.31	1.65	10.17	-10.49	8.00	18.49
2462	-21.83	1.66	10.17	-10.01	8.00	18.01
2467	-24.54	1.66	10.17	-12.72	8.00	20.72
2472	-24.02	1.66	10.17	-12.20	8.00	20.20

Sample Calculation:

PSD: Power Spectral Density

PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

11g

Antenna Port: Ant 0

Tested Freq. [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2412	-25.19	1.65	10.17	-13.38	8.00	21.38
2437	-24.77	1.65	10.17	-12.95	8.00	20.95
2462	-25.03	1.66	10.17	-13.21	8.00	21.21
2467	-27.37	1.66	10.17	-15.54	8.00	23.54
2472	-26.94	1.66	10.17	-15.12	8.00	23.12

Sample Calculation:

PSD: Power Spectral Density

PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

11n-20(SDM)

Ant 0 + Ant 2

Tested Freq.	Ant 0					Ant 2					Total Result Power		Limit	Margin
	PSD Reading	Cable Loss	Atten. Loss	Result		PSD Reading	Cable Loss	Atten. Loss	Result					
	[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]
	[MHz]													
2412	-24.54	1.65	10.17	-12.73	0.06	-22.49	1.65	9.88	-10.97	0.08	-8.54	0.14	8.00	16.54
2437	-23.48	1.65	10.17	-11.66	0.07	-22.17	1.65	9.88	-10.65	0.09	-7.96	0.16	8.00	15.96
2462	-24.35	1.66	10.17	-12.53	0.06	-22.89	1.65	9.88	-11.36	0.08	-8.54	0.14	8.00	16.54
2467	-27.88	1.66	10.17	-16.05	0.03	-26.81	1.65	9.88	-15.29	0.03	-12.22	0.06	8.00	20.22
2472	-27.56	1.66	10.17	-15.73	0.03	-26.42	1.65	9.88	-14.90	0.04	-11.55	0.07	8.00	19.55

Sample Calculation:

PSD: Power Spectral Density

Eac Port PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

Total Result = Ant 0 Result + Ant 2 Result

11ax-20(OFDM)(SDM)

Ant 0 + Ant 2

Ant 0 + Ant 2														
Tested Freq.	Ant 0					Ant 2					Total Result Power		Limit	Margin
	PSD Reading	Cable Loss	Atten. Loss	Result		PSD Reading	Cable Loss	Atten. Loss	Result					
	[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	-23.56	1.65	10.17	-11.74	0.07	-23.92	1.65	9.88	-12.40	0.06	-8.87	0.13	8.00	16.87
2437	-23.91	1.65	10.17	-12.09	0.07	-23.55	1.65	9.88	-12.03	0.07	-8.54	0.14	8.00	16.54
2462	-23.47	1.66	10.17	-11.65	0.07	-23.67	1.65	9.88	-12.14	0.07	-8.54	0.14	8.00	16.54
2467	-28.86	1.66	10.17	-17.03	0.02	-28.07	1.65	9.88	-16.55	0.03	-13.02	0.05	8.00	21.02
2472	-28.15	1.66	10.17	-16.33	0.03	-28.66	1.65	9.88	-17.13	0.02	-13.02	0.05	8.00	21.02

Sample Calculation:

PSD: Power Spectral Density

Eac Port PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

Total Result = Ant 0 Result + Ant 2 Result

Power Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
August 20, 2025	MR1	24 deg.C	53 %RH	Masahide Ozaki

11ax-20(OFDMA)(SDM), 26-tone RU

Ant 0 + Ant 2

Tested Freq.	RU Index	Ant 0						Ant 2						Total		Limit	Margin
		PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		Result Power					
					[dBm / 3 kHz]	[mW / 3 kHz]				[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[mW / 3 kHz]				
[MHz]																	
2412	0	-23.52	1.65	10.17	-11.71	0.07	-23.34	1.65	9.88	-11.82	0.07	-8.54	0.14	8.00	16.54		
2437	4	-23.72	1.65	10.17	-11.91	0.07	-24.79	1.65	9.88	-13.27	0.05	-9.21	0.12	8.00	17.21		
2462	8	-23.46	1.66	10.17	-11.63	0.07	-24.53	1.65	9.88	-13.01	0.06	-8.87	0.13	8.00	16.87		
2467	0	-31.91	1.66	10.17	-20.09	0.01	-33.31	1.65	9.88	-21.78	0.01	-16.99	0.02	8.00	24.99		
2472	8	-31.97	1.66	10.17	-20.14	0.01	-33.30	1.65	9.88	-21.77	0.01	-16.99	0.02	8.00	24.99		

Sample Calculation:

PSD: Power Spectral Density

Eac Port PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

Total Result = Ant 0 Result + Ant 2 Result

11ax-20(OFDMA)(SDM), 52-tone RU

Ant 0 + Ant 2

Ant 0 + Ant 2																			
Tested Freq.	RU Index	Ant 0										Ant 2				Total		Limit	Margin
		PSD Reading	Cable Loss	Atten. Loss	Result		PSD Reading	Cable Loss	Atten. Loss	Result		Result Power							
					[dBm / 3 kHz]	[mW / 3 kHz]				[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[mW / 3 kHz]						
[MHz]		[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]		
2412	37	-24.56	1.65	10.17	-12.74	0.06	-23.11	1.65	9.88	-11.59	0.07	-8.87	0.13	8.00		16.87			
2437	38	-24.50	1.65	10.17	-12.69	0.06	-23.74	1.65	9.88	-12.22	0.06	-9.21	0.12	8.00		17.21			
2462	40	-22.67	1.66	10.17	-10.85	0.09	-23.34	1.65	9.88	-11.81	0.07	-7.96	0.16	8.00		15.96			
2467	37	-35.55	1.66	10.17	-23.72	0.01	-35.97	1.65	9.88	-24.45	0.01	-16.99	0.02	8.00		24.99			
2472	40	-36.02	1.66	10.17	-24.20	0.01	-35.82	1.65	9.88	-24.29	0.01	-16.99	0.02	8.00		24.99			

Sample Calculation:

PSD: Power Spectral Density

Eac Port PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

Total Result = Ant 0 Result + Ant 2 Result

11ax-20(OFDMA)(SDM), 106-tone RU

Ant 0 + Ant 2

Ant 0 + Ant 2																		
Tested Freq.	RU Index	Ant 0						Ant 2						Total Result Power		Limit	Margin	
		PSD Reading	Cable Loss	Atten. Loss	Result		PSD Reading	Cable Loss	Atten. Loss	Result		PSD Reading	Cable Loss	Atten. Loss	Result			
[MHz]		[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]	[dB]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[dB]
2412	53	-23.67	1.65	10.17	-11.85	0.07	-22.39	1.65	9.88	-10.87	0.09	-7.96	0.16		8.00		15.96	
2437	53	-23.62	1.65	10.17	-11.80	0.07	-23.13	1.65	9.88	-11.61	0.07	-8.54	0.14		8.00		16.54	
2462	54	-22.32	1.66	10.17	-10.50	0.09	-22.14	1.65	9.88	-10.61	0.09	-7.45	0.18		8.00		15.45	
2467	53	-35.59	1.66	10.17	-23.76	0.01	-34.33	1.65	9.88	-22.81	0.01	-16.99	0.02		8.00		24.99	
2472	54	-34.87	1.66	10.17	-23.05	0.01	-34.41	1.65	9.88	-22.88	0.01	-16.99	0.02		8.00		24.99	

Sample Calculation:

PSD: Power Spectral Density

Eac Port PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

Total Result = Ant 0 Result + Ant 2 Result

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

Ant 0 + Ant 2

Part 6 - Unit 2																			
Tested Freq.	RU Index	Ant 0										Ant 2				Total		Limit	Margin
		PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result		Result Power							
					[dBm / 3 kHz]	[mW / 3 kHz]				[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[mW / 3 kHz]	[dBm / 3 kHz]	[mW / 3 kHz]				
[MHz]																			
2412	61	-22.42	1.65	10.17	-10.61	0.09	-21.66	1.65	9.88	-10.14	0.10	-7.22	0.19	8.00	15.22				
2437	61	-22.09	1.65	10.17	-10.27	0.10	-20.20	1.65	9.88	-8.68	0.14	-6.20	0.24	8.00	14.20				
2462	61	-22.61	1.66	10.17	-10.79	0.09	-21.41	1.65	9.88	-9.89	0.11	-6.99	0.20	8.00	14.99				
2467	61	-26.21	1.66	10.17	-14.38	0.04	-25.97	1.65	9.88	-14.45	0.04	-10.97	0.08	8.00	18.97				
2472	61	-25.80	1.66	10.17	-13.98	0.04	-25.91	1.65	9.88	-14.38	0.04	-10.97	0.08	8.00	18.97				

Sample Calculation:

PSD: Power Spectral Density

Eac Port PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

Total Result = Ant 0 Result + Ant 2 Result

Power Density

Mode	Tx BT LE
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Date	Test Place	Temperature	Humidity	Engineer
August 25, 2025	MR1	25 deg.C	52 %RH	Yosuke Murakami

BT LE coded S = 8

Antenna Port: Ant 0

Tested Freq. [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2402	-12.53	1.65	10.17	-0.72	8.00	8.72
2440	-12.43	1.65	10.17	-0.61	8.00	8.61
2480	-12.04	1.66	10.17	-0.22	8.00	8.22

Sample Calculation:

PSD: Power Spectral Density

PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

BT LE 2M-PHY

Antenna Port: Ant 0

Tested Freq. [MHz]	PSD Reading [dBm / 3 kHz]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm / 3 kHz]	Limit [dBm / 3 kHz]	Margin [dB]
2402	-24.72	1.65	10.17	-12.91	8.00	20.91
2440	-24.80	1.65	10.17	-12.85	8.00	20.85
2480	-24.46	1.66	10.17	-12.64	8.00	20.64

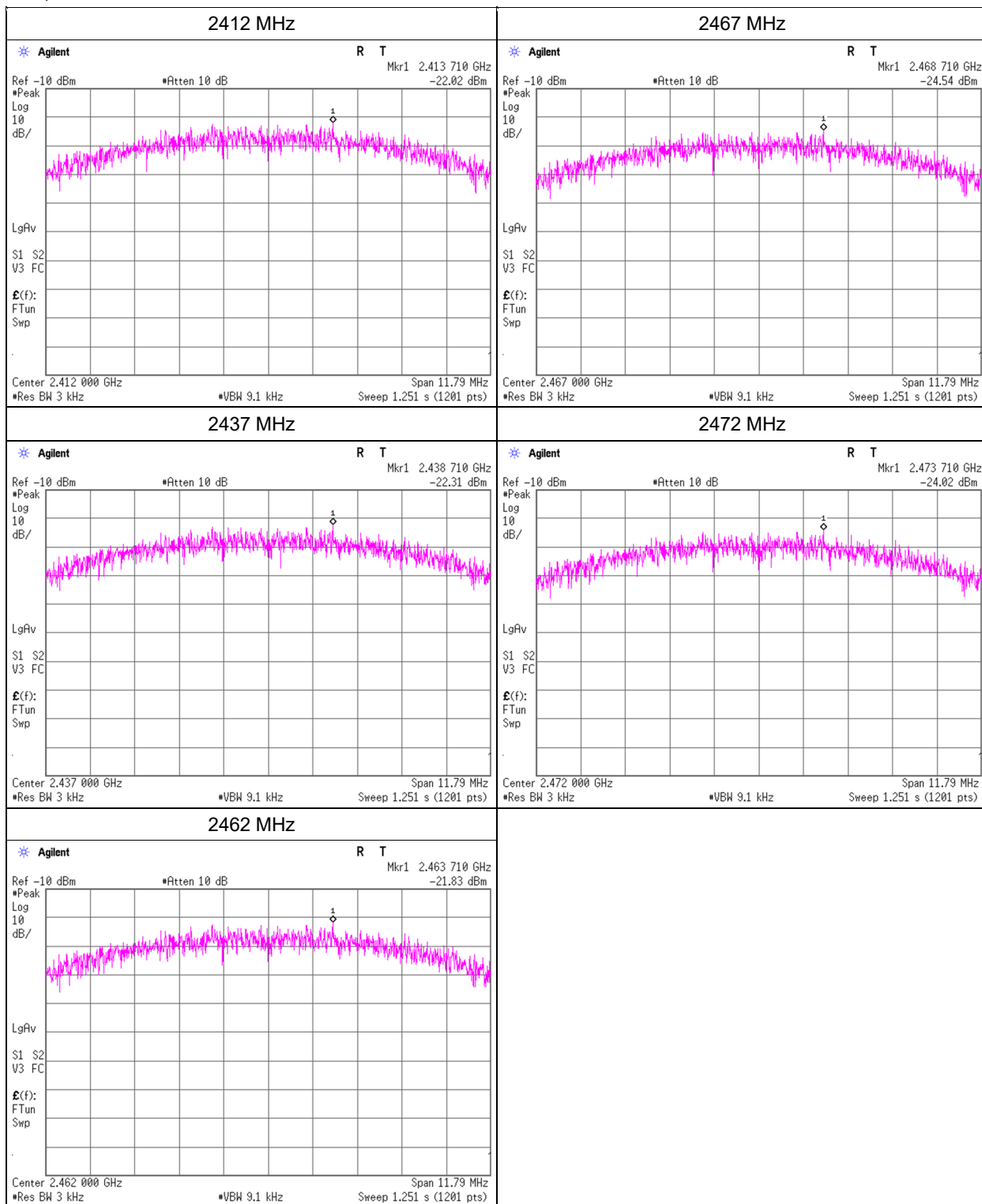
Sample Calculation:

PSD: Power Spectral Density

PSD Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

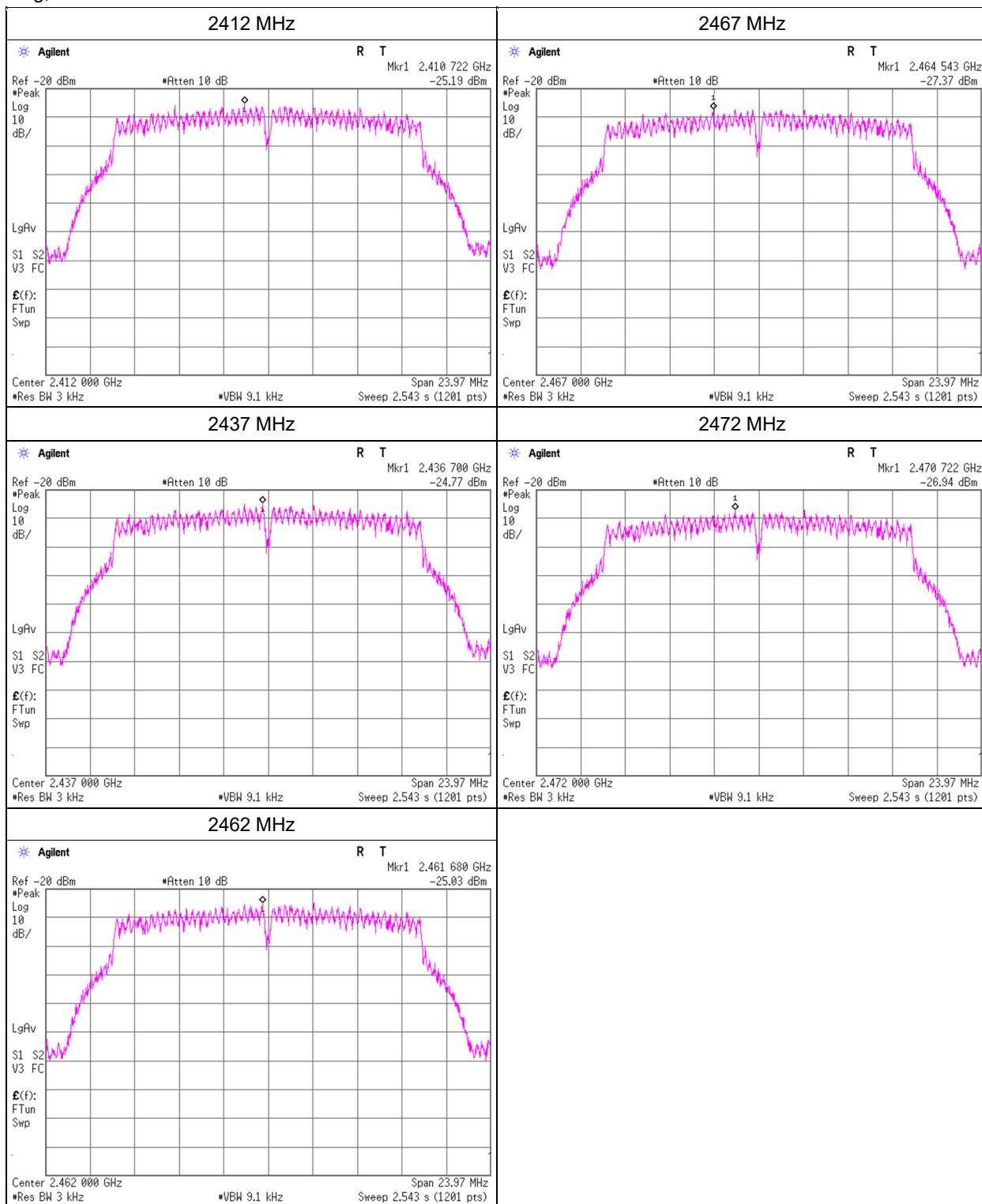
Power Density

11b, Ant 0



Power Density

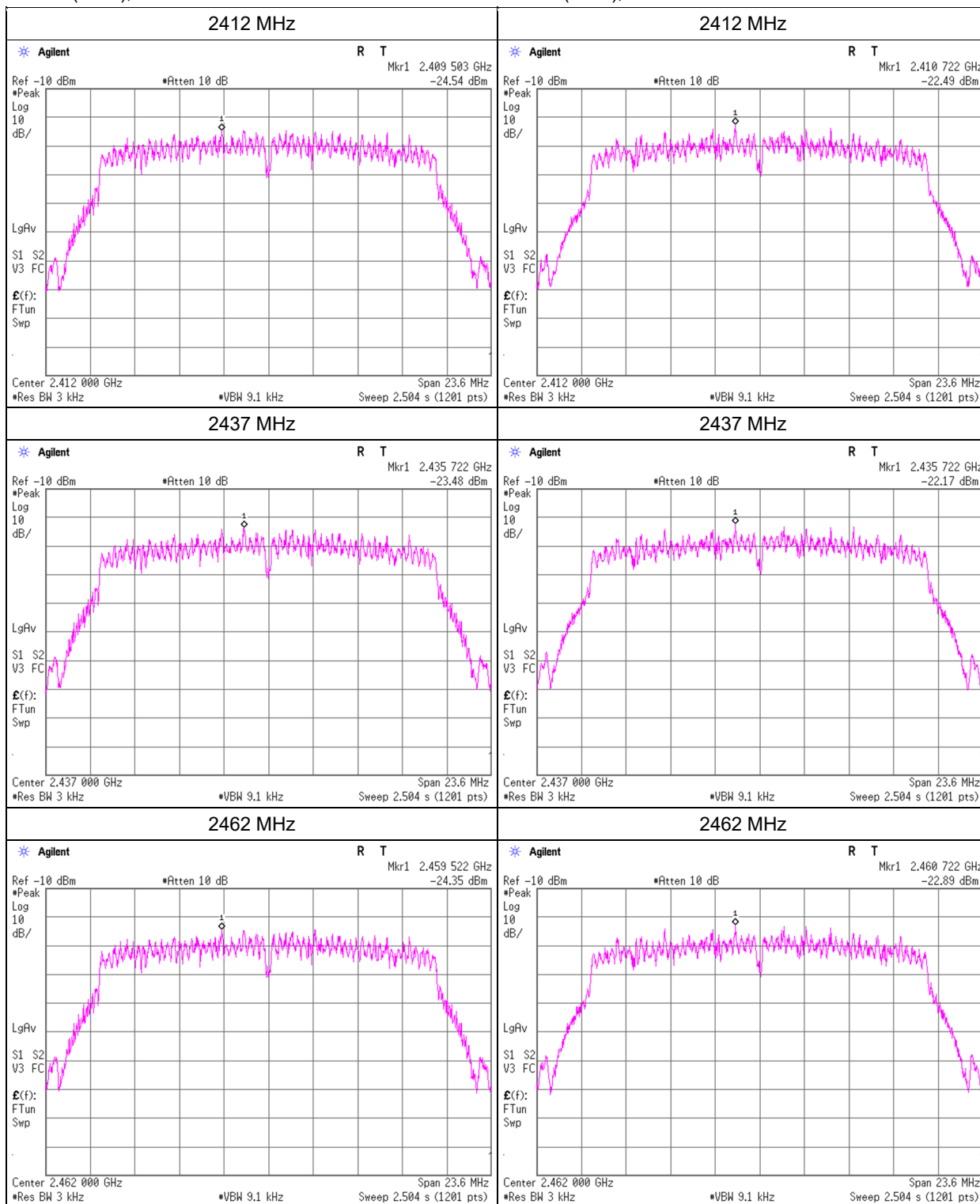
11g, Ant 0



Power Density

11n-20(SDM), Ant 0

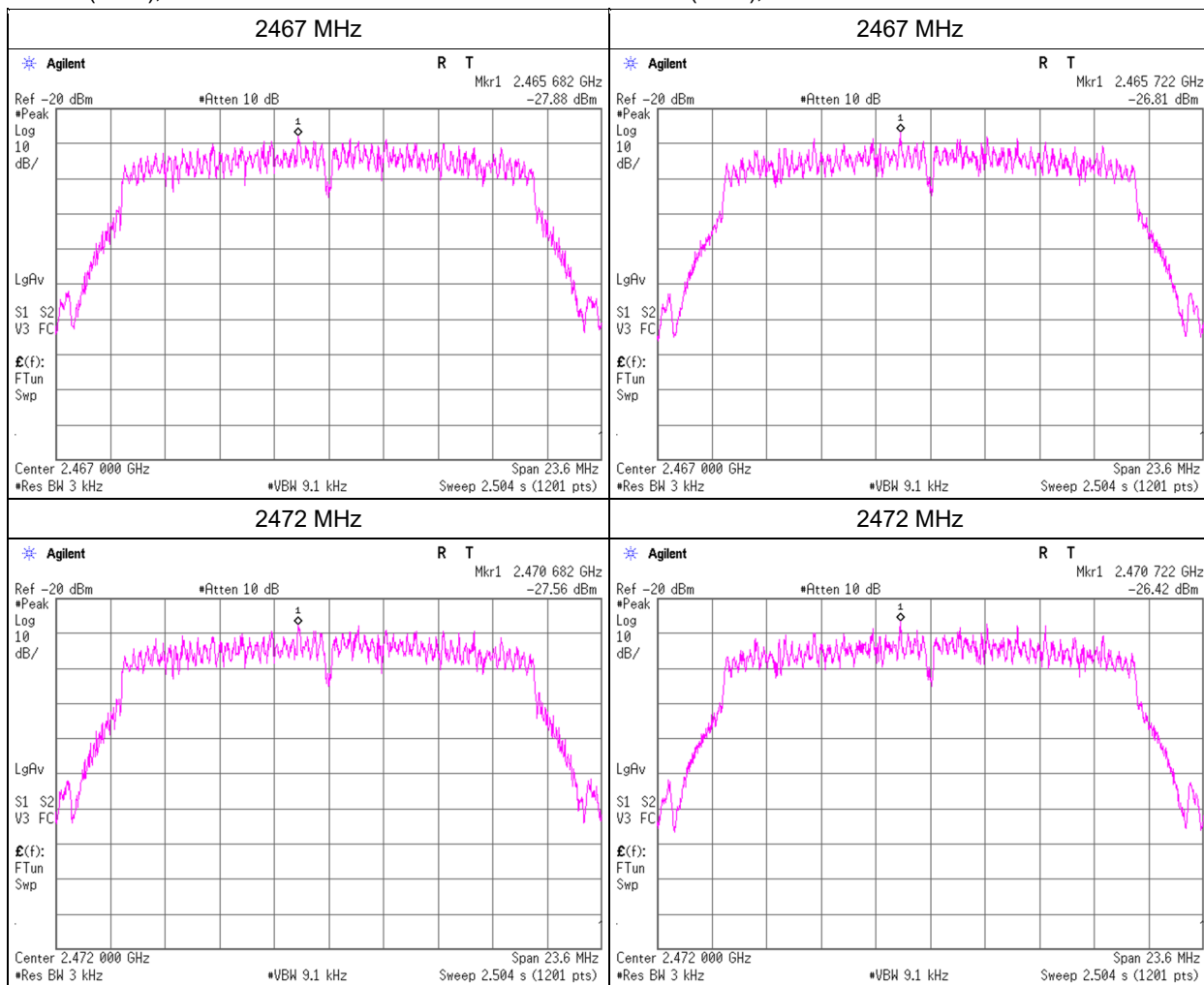
11n-20(SDM), Ant 2



Power Density

11n-20(SDM), Ant 0

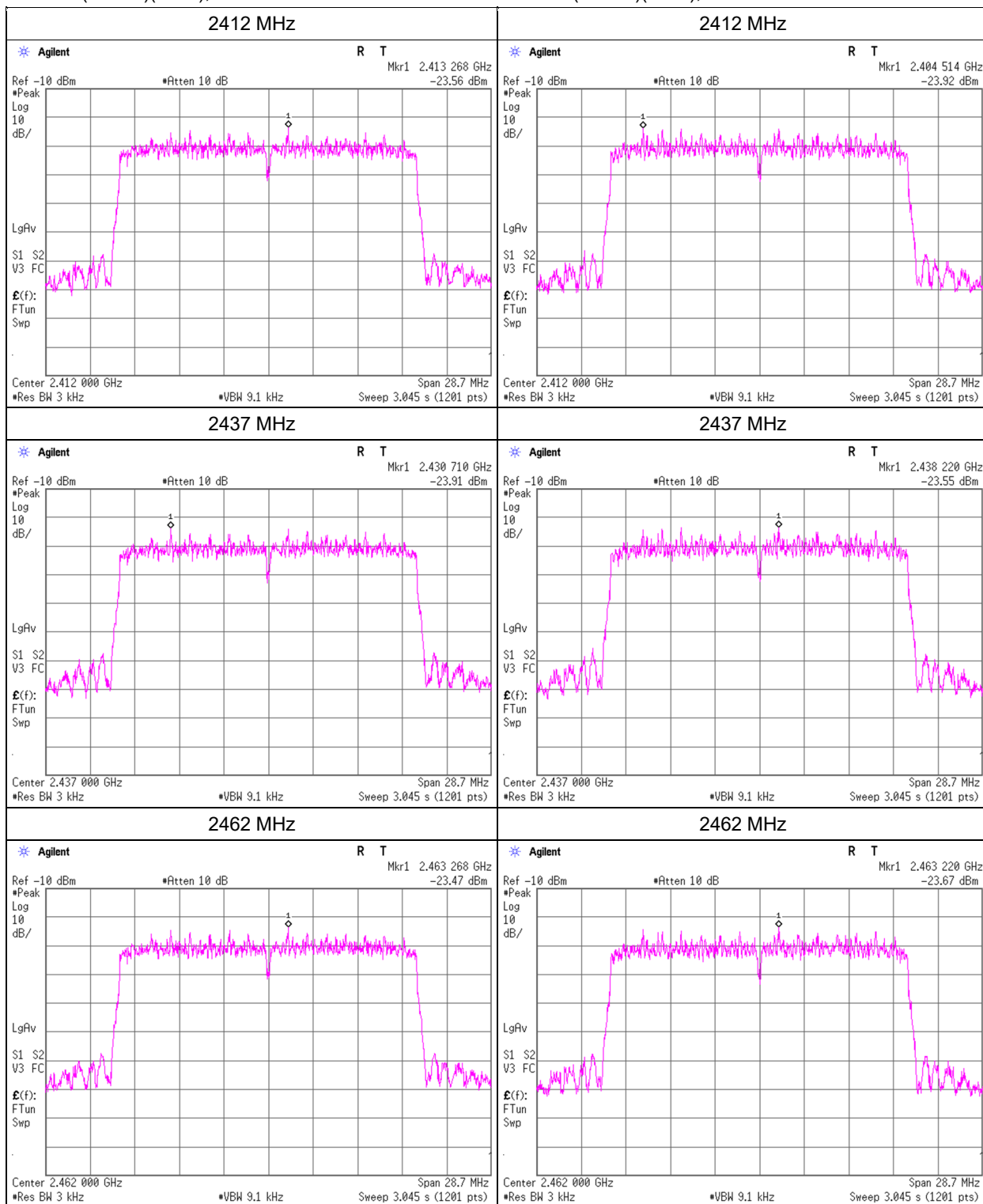
11n-20(SDM), Ant 2



Power Density

11ax-20(OFDM)(SDM), Ant 0

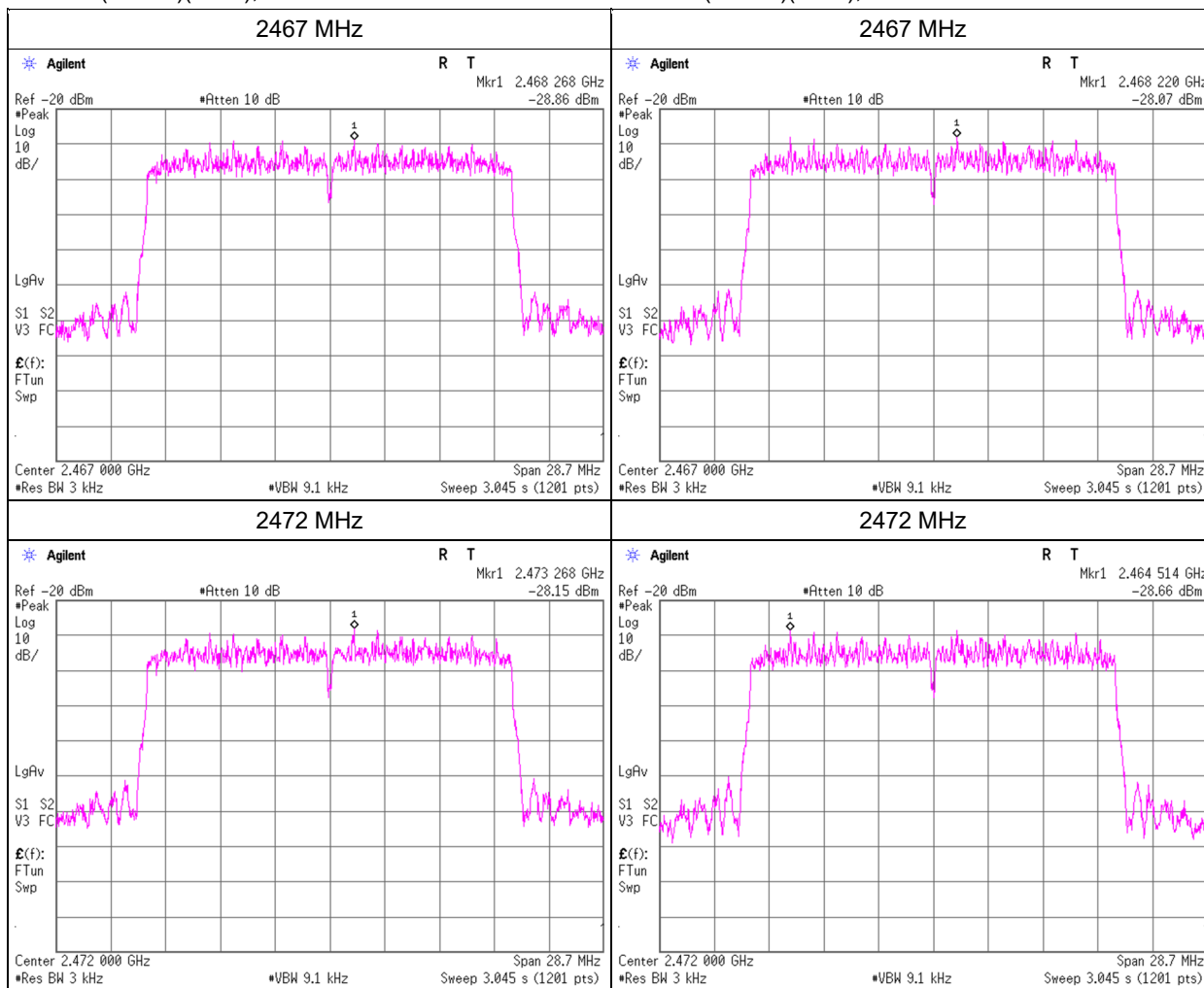
11ax-20(OFDM)(SDM), Ant 2



Power Density

11ax-20(OFDM)(SDM), Ant 0

11ax-20(OFDM)(SDM), Ant 2



Power Density

11ax-20(OFDMA)(SDM), 26-tone RU, Ant 0

11ax-20(OFDMA)(SDM), 26-tone RU, Ant 2

