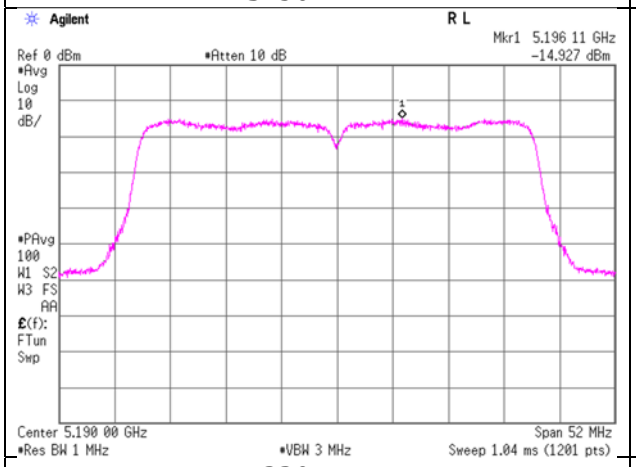
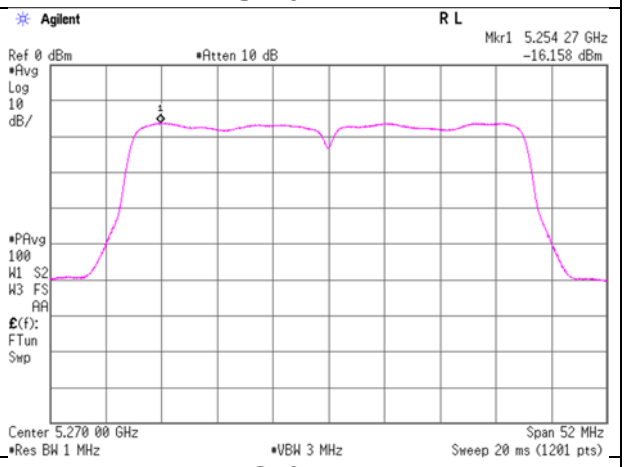
Maximum Power Spectral Density

Report No.	13734674S-C-R2	
Test place	Shonan EMC Lab. No.5 Shielded Room	
Date	March 24, 2021	March 25, 2021
Temperature / Humidity	22 deg. C / 39% RH	23 deg. C / 47% RH
Engineer	Toshinori Yamada	Toshinori Yamada
Mode	Tx 11n-40	

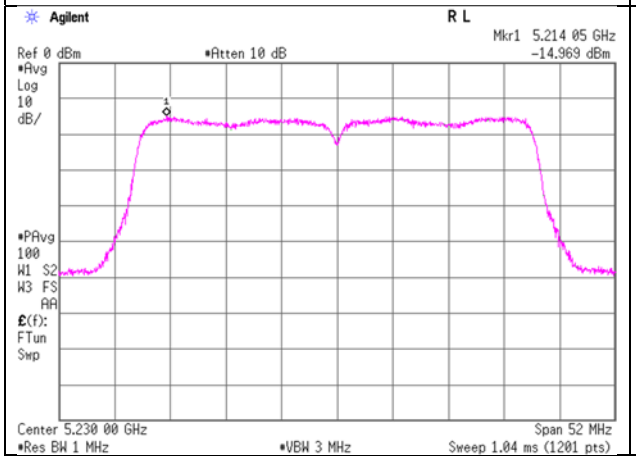
5190 MHz



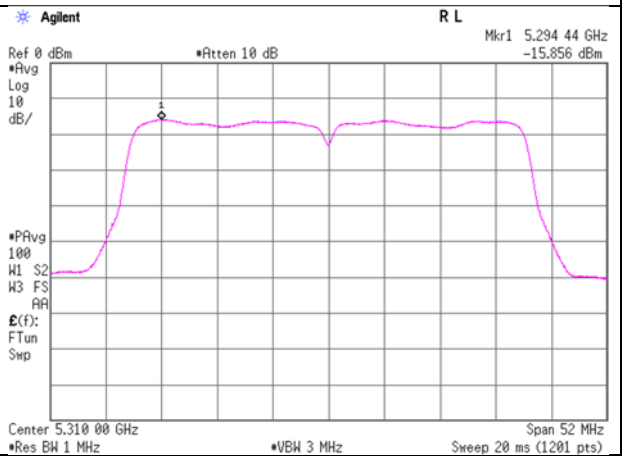
5270 MHz



5230 MHz



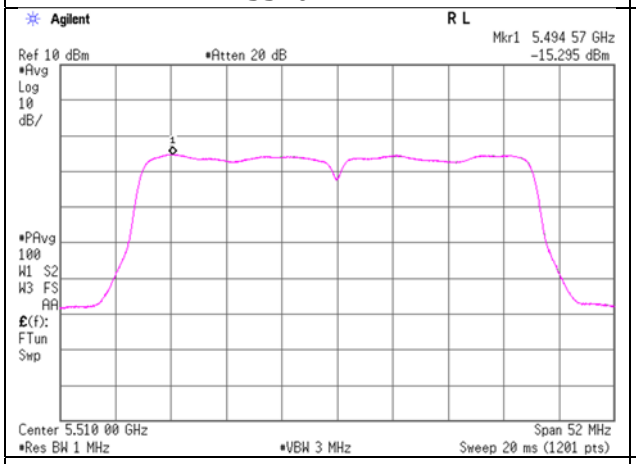
5310 MHz



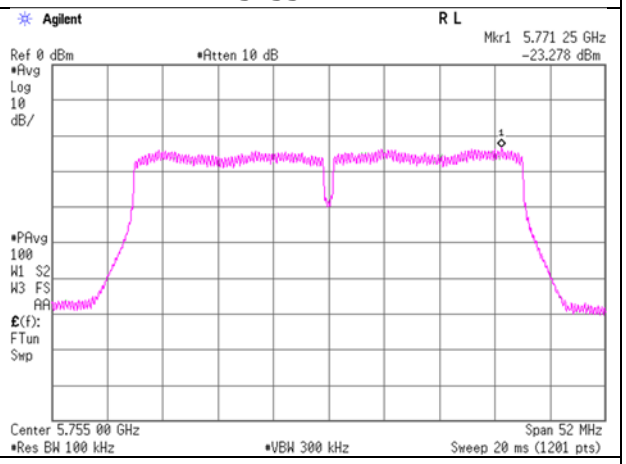
Maximum Power Spectral Density

Report No.	13734674S-C-R2	
Test place	Shonan EMC Lab. No.5 Shielded Room	
Date	March 24, 2021	March 25, 2021
Temperature / Humidity	22 deg. C / 39% RH	23 deg. C / 47% RH
Engineer	Toshinori Yamada	Toshinori Yamada
Mode	Tx 11n-40	

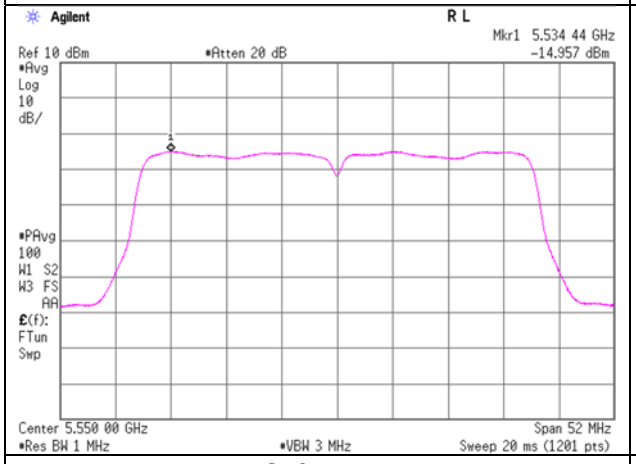
5510 MHz



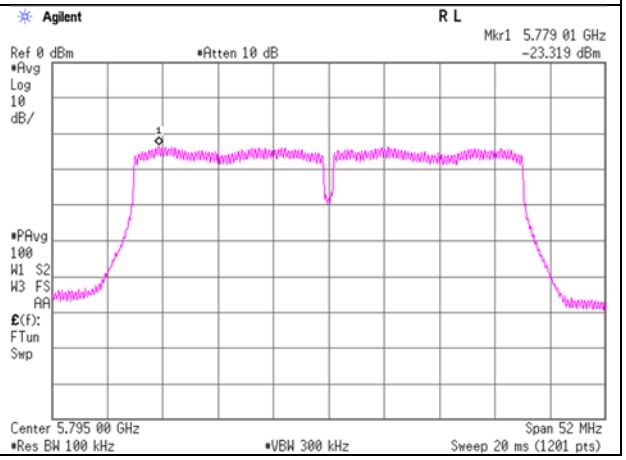
5755 MHz



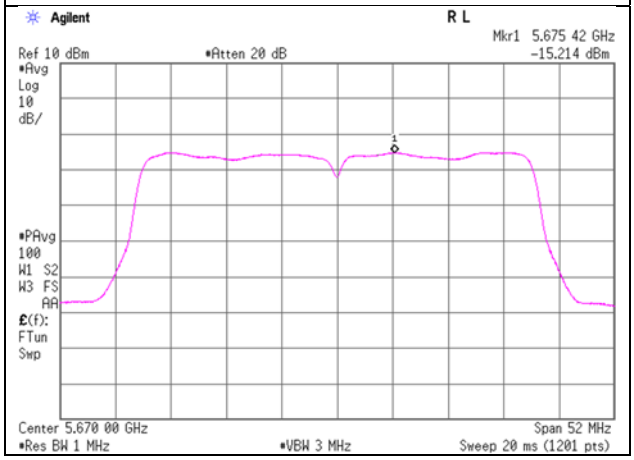
5550 MHz



5795 MHz



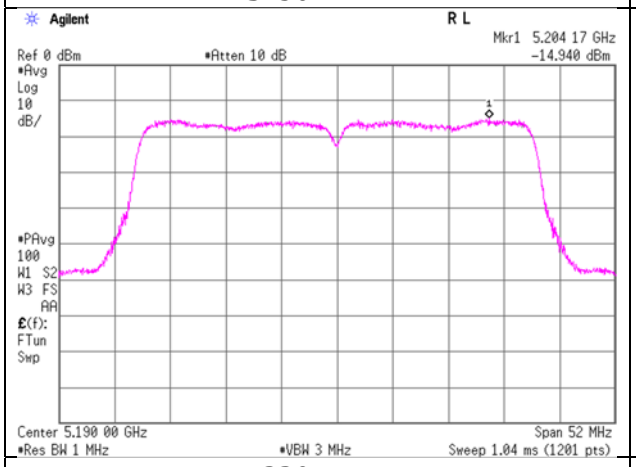
5670 MHz



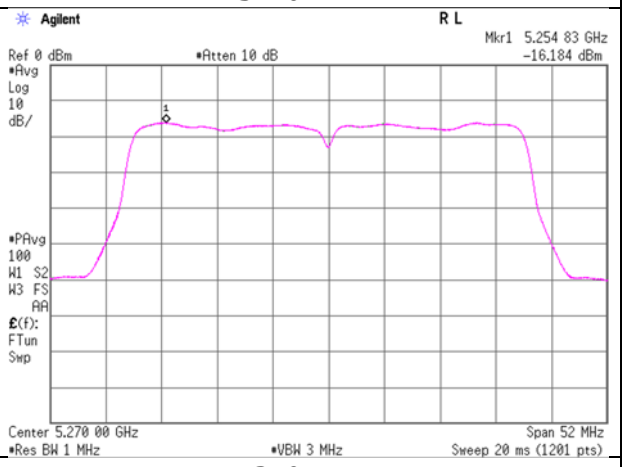
Maximum Power Spectral Density

Report No.	13734674S-C-R2	
Test place	Shonan EMC Lab. No.5 Shielded Room	
Date	March 24, 2021	March 25, 2021
Temperature / Humidity	22 deg. C / 39% RH	23 deg. C / 47% RH
Engineer	Toshinori Yamada	Toshinori Yamada
Mode	Tx 11ac-40	

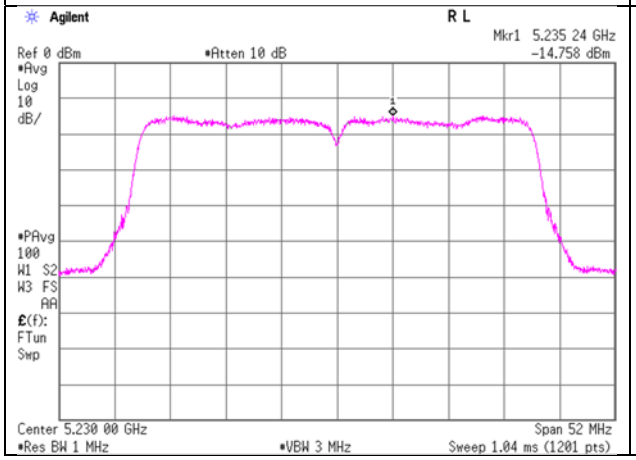
5190 MHz



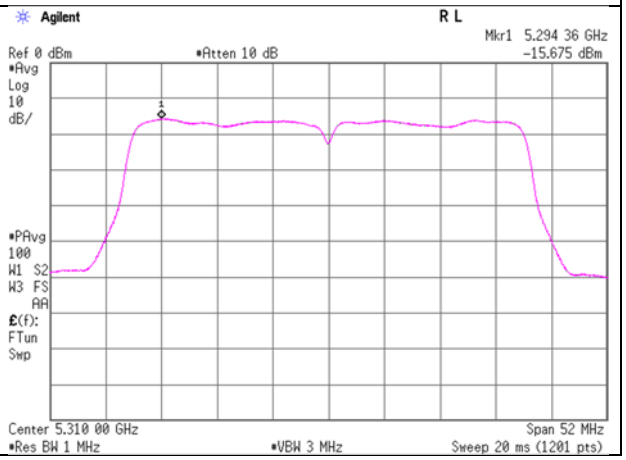
5270 MHz



5230 MHz



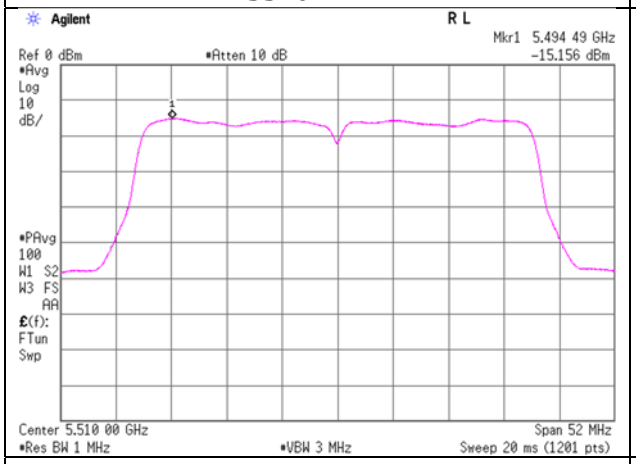
5310 MHz



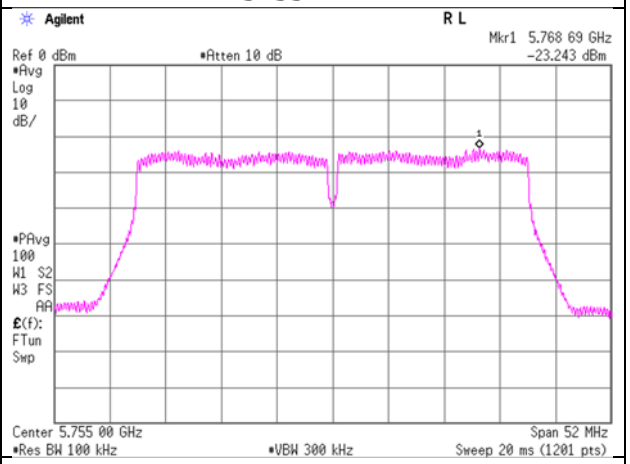
Maximum Power Spectral Density

Report No.	13734674S-C-R2	
Test place	Shonan EMC Lab. No.5 Shielded Room	
Date	March 24, 2021	March 25, 2021
Temperature / Humidity	22 deg. C / 39% RH	23 deg. C / 47% RH
Engineer	Toshinori Yamada	Toshinori Yamada
Mode	Tx 11ac-40	

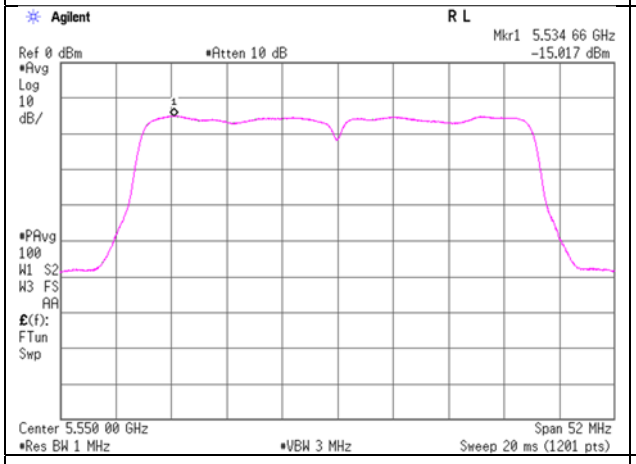
5510 MHz



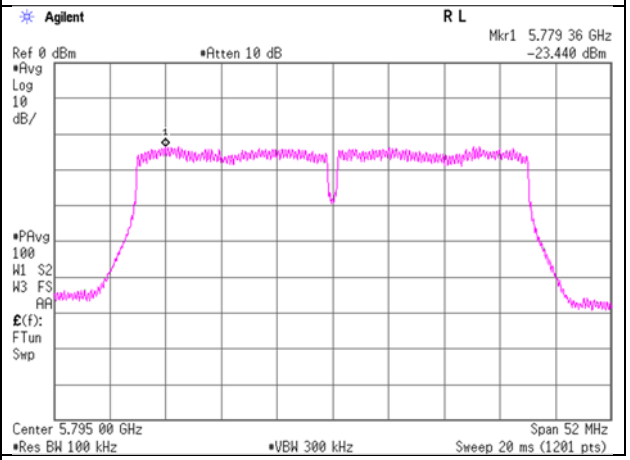
5755 MHz



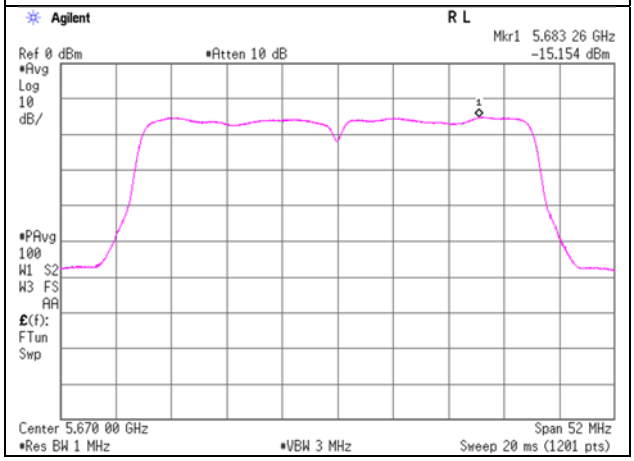
5550 MHz



5795 MHz



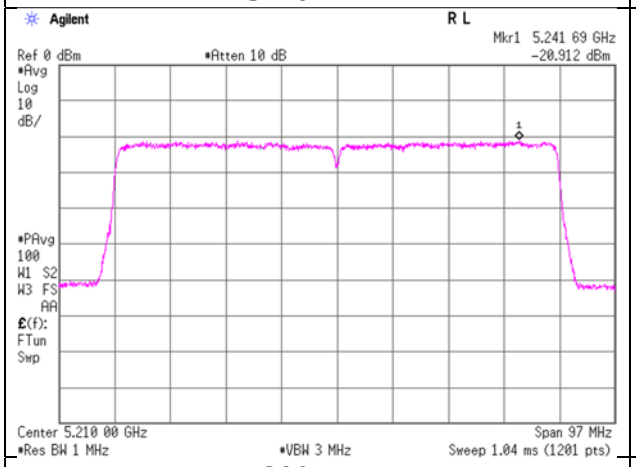
5670 MHz



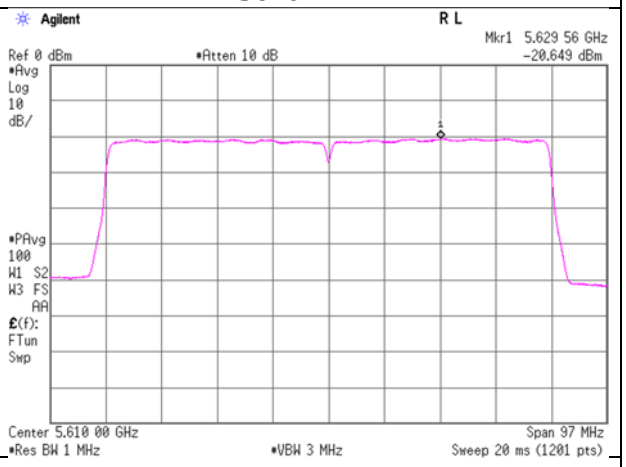
Maximum Power Spectral Density

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab. No.5 Shielded Room
Date	March 25, 2021
Temperature / Humidity	23 deg. C / 47% RH
Engineer	Toshinori Yamada
Mode	Tx 11ac-80

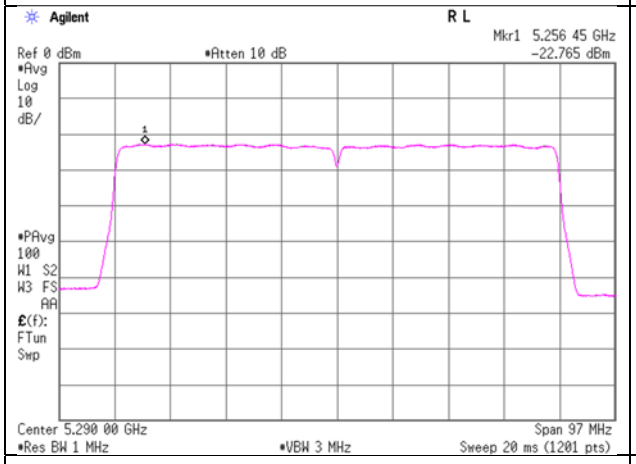
5210 MHz



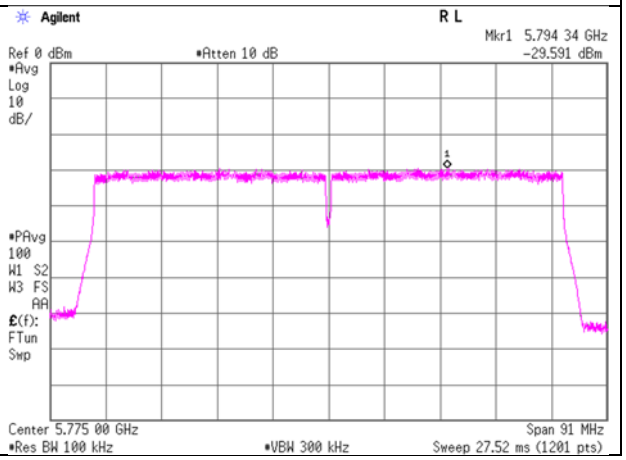
5610 MHz



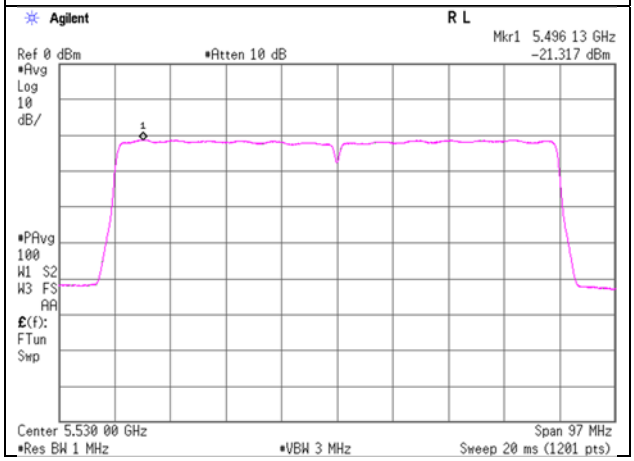
5290 MHz



5775 MHz



5530 MHz



Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11a 5180 MHz

(above 1 GHz Inside of the restricted band)

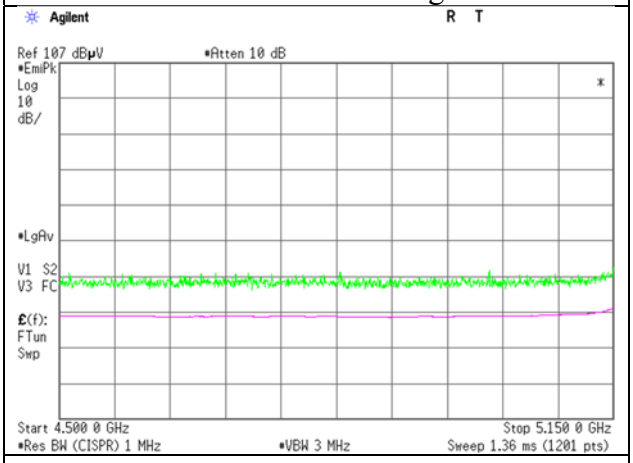
(* PK: Peak, AV: Average, QP: Quasi-Peak)

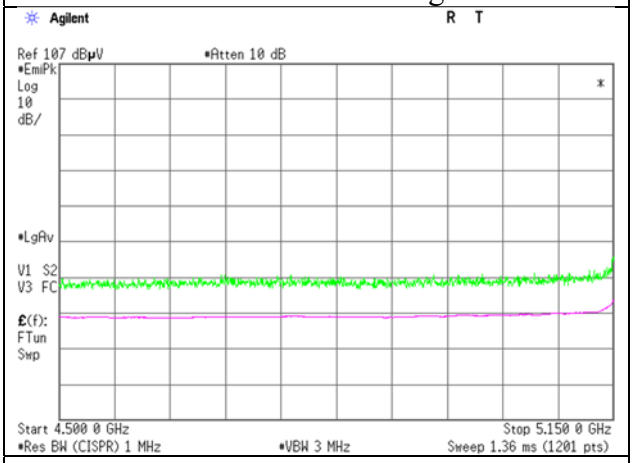
Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	52.41	32.12	16.67	43.05	2.12	60.27	73.9	13.6	180	212	-
Hori.	5150.000	AV	38.03	32.12	16.67	43.05	2.12	45.89	53.9	8.0	180	212	VBW: 10 Hz
Vert.	5150.000	PK	55.16	32.12	16.67	43.05	2.12	63.02	73.9	10.8	194	213	-
Vert.	5150.000	AV	40.06	32.12	16.67	43.05	2.12	47.92	53.9	**5.9**	194	213	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
Mode	Tx 11a 5180 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11a 5320 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	51.82	31.83	16.80	43.26	2.12	59.31	73.9	14.5	203	211	-
Hori.	5350.000	AV	38.63	31.83	16.80	43.26	2.12	46.12	53.9	7.7	203	211	VBW: 10 Hz
Vert.	5350.000	PK	53.14	31.83	16.80	43.26	2.12	60.63	73.9	13.2	185	211	-
Vert.	5350.000	AV	40.11	31.83	16.80	43.26	2.12	47.60	53.9	**6.3**	185	211	VBW: 10 Hz

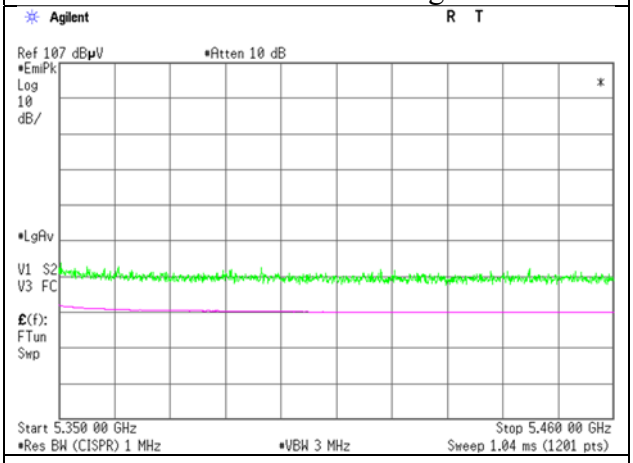
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
Mode	Tx 11a 5320 MHz

Horizontal

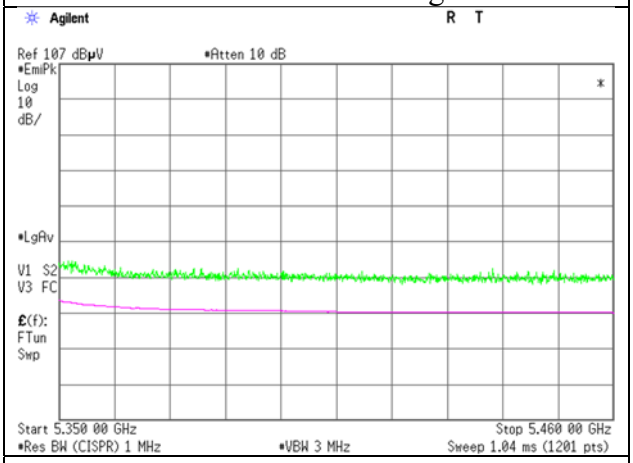
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11a 5500 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	39.50	32.30	16.88	43.38	2.12	47.42	73.9	26.4	194	209	-
Hori.	5460.000	AV	37.51	32.30	16.88	43.38	2.12	45.43	53.9	8.4	194	209	VBW: 10 Hz
Vert.	5460.000	PK	50.66	32.30	16.88	43.38	2.12	58.58	73.9	15.3	184	210	-
Vert.	5460.000	AV	38.20	32.30	16.88	43.38	2.12	46.12	53.9	**7.7**	184	210	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	50.62	32.33	16.88	43.39	2.12	58.56	-36.67	-27.0	9.6	194	209	-
Vert.	5470.000	PK	52.17	32.33	16.88	43.39	2.12	60.11	-35.12	-27.0	8.1	184	210	-

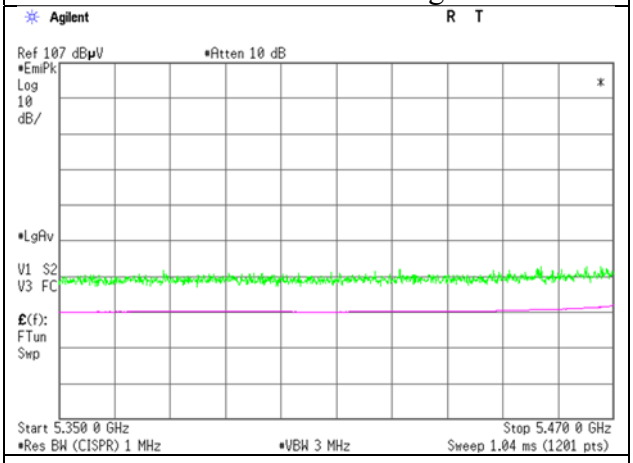
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
Mode	Tx 11a 5500 MHz

Horizontal

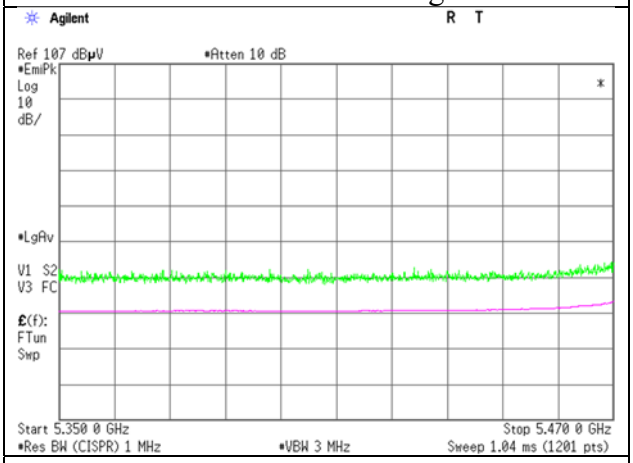
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11a 5700 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	48.92	32.68	17.03	43.42	2.12	57.33	-37.90	-27.0	10.9	183	124	-
Vert.	5725.000	PK	49.16	32.68	17.03	43.42	2.12	57.57	-37.66	-27.0	**10.6**	206	156	-

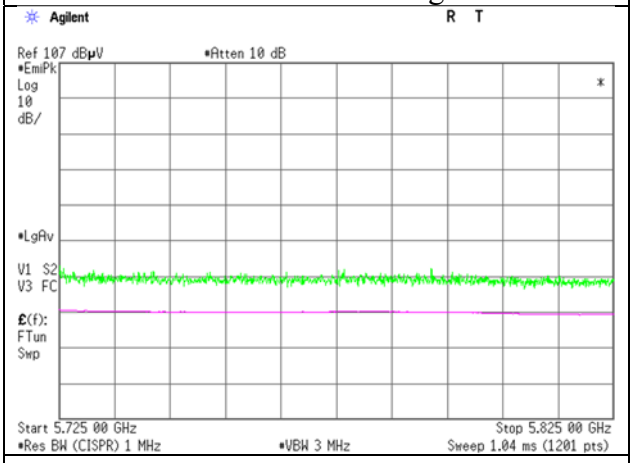
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
Mode	Tx 11a 5700 MHz

Horizontal

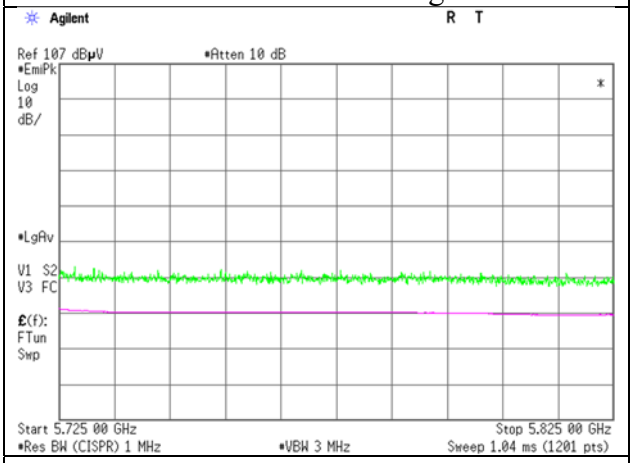
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11a 5745 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	48.34	32.49	16.99	43.42	2.12	56.52	-38.71	-27.0	11.7	191	125	-
Hori.	5700.000	PK	49.02	32.60	17.01	43.42	2.12	57.33	-37.90	10.0	47.9	191	125	-
Hori.	5720.000	PK	50.39	32.66	17.02	43.42	2.12	58.77	-36.46	15.6	52.0	191	125	-
Hori.	5725.000	PK	56.42	32.68	17.03	43.42	2.12	64.83	-30.40	27.0	57.4	191	125	-
Vert.	5650.000	PK	48.64	32.49	16.99	43.42	2.12	56.82	-38.41	-27.0	**11.4**	200	161	-
Vert.	5700.000	PK	49.69	32.60	17.01	43.42	2.12	58.00	-37.23	10.0	47.2	200	161	-
Vert.	5720.000	PK	51.41	32.66	17.02	43.42	2.12	59.79	-35.44	15.6	51.0	200	161	-
Vert.	5725.000	PK	58.37	32.68	17.03	43.42	2.12	66.78	-28.45	27.0	55.4	200	161	-

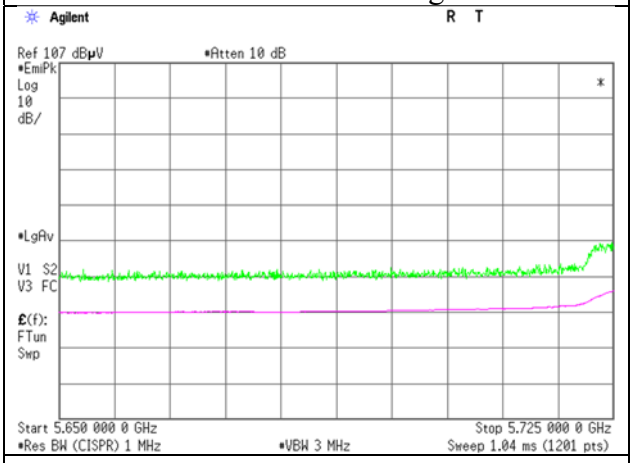
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
Mode	Tx 11a 5745 MHz

Horizontal

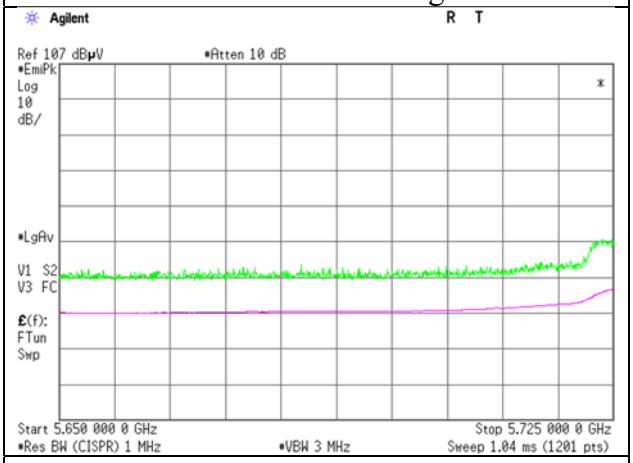
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11a 5825 MHz

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

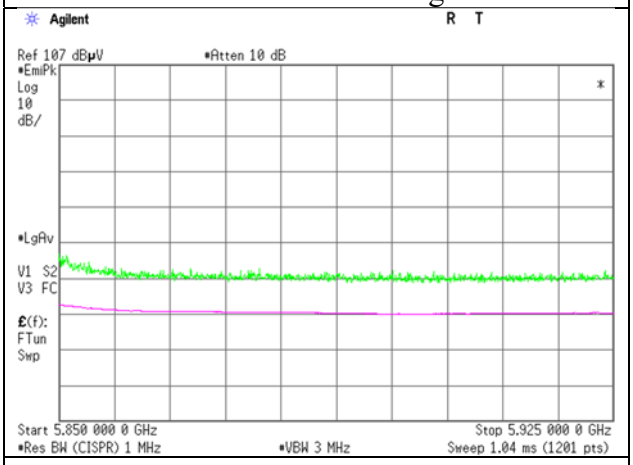
(* PK: Peak, AV: Average, QP: Quasi-Peak)

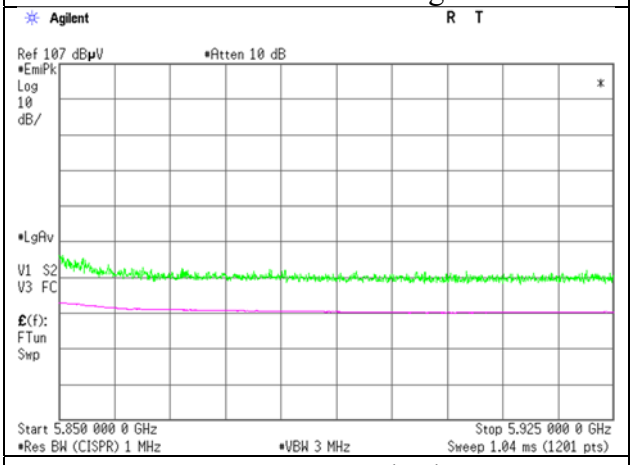
Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	53.40	33.07	17.11	43.43	2.12	62.27	-32.96	27.0	59.9	195	126	-
Hori.	5855.000	PK	50.40	33.08	17.11	43.43	2.12	59.28	-35.95	15.6	51.5	195	126	-
Hori.	5875.000	PK	49.41	33.12	17.14	43.43	2.12	58.36	-36.87	10.0	46.8	195	126	-
Hori.	5925.000	PK	48.77	33.21	17.16	43.43	2.12	57.83	-37.40	-27.0	**10.4**	195	126	-
Vert.	5850.000	PK	54.05	33.07	17.11	43.43	2.12	62.92	-32.31	27.0	59.3	179	171	-
Vert.	5855.000	PK	50.62	33.08	17.11	43.43	2.12	59.50	-35.73	15.6	51.3	179	171	-
Vert.	5875.000	PK	49.55	33.12	17.14	43.43	2.12	58.50	-36.73	10.0	46.7	179	171	-
Vert.	5925.000	PK	48.73	33.21	17.16	43.43	2.12	57.79	-37.44	-27.0	**10.4**	179	171	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
Mode	Tx 11a 5825 MHz

Horizontal
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

Vertical
Restricted-band band-edge Plot

Trace Green: Peak Plot Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	3	1	3	3
Date	April 3, 2021	April 23, 2021	May 4, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 40 %RH	23 deg.C, 33 %RH	23 deg.C, 43 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Yosuke Murakami	Takahiro Suzuki	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11n-20 5180 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.08	32.12	16.67	43.05	2.12	56.94	73.9	16.9	181	207	-
Hori.	15540.000	PK	49.35	39.58	13.23	39.13	-9.54	53.49	73.9	20.4	161	165	-
Hori.	15540.000	PK	49.35	39.58	13.23	39.13	-9.54	53.49	73.9	20.4	161	165	-
Hori.	20720.000	PK	49.16	40.25	14.37	47.30	-9.54	46.94	73.9	26.9	136	65	-
Hori.	5150.000	AV	36.95	32.12	16.67	43.05	2.12	44.81	53.9	9.0	181	207	VBW: 10 Hz
Hori.	15540.000	AV	37.02	39.58	13.23	39.13	-9.54	41.16	53.9	12.7	161	165	VBW: 10 Hz
Hori.	15540.000	AV	37.02	39.58	13.23	39.13	-9.54	41.16	53.9	12.7	161	165	VBW: 10 Hz
Hori.	20720.000	AV	34.03	40.25	14.37	47.30	-9.54	31.81	53.9	22.0	136	65	VBW: 10 Hz
Vert.	5150.000	PK	51.09	32.12	16.67	43.05	2.12	58.95	73.9	14.9	324	189	-
Vert.	15540.000	PK	48.23	39.58	13.23	39.13	-9.54	52.37	73.9	21.5	147	118	-
Vert.	15540.000	PK	48.23	39.58	13.23	39.13	-9.54	52.37	73.9	21.5	147	118	-
Vert.	20720.000	PK	48.23	40.25	14.37	47.30	-9.54	46.01	73.9	27.8	172	94	-
Vert.	5150.000	AV	38.29	32.12	16.67	43.05	2.12	46.15	53.9	**7.7**	324	189	VBW: 10 Hz
Vert.	15540.000	AV	36.32	39.58	13.23	39.13	-9.54	40.46	53.9	13.4	147	118	VBW: 10 Hz
Vert.	15540.000	AV	36.32	39.58	13.23	39.13	-9.54	40.46	53.9	13.4	147	118	VBW: 10 Hz
Vert.	20720.000	AV	33.69	40.25	14.37	47.30	-9.54	31.47	53.9	22.4	172	94	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	10360.000	PK	59.95	36.38	10.50	39.88	-9.54	57.41	-37.82	-27.0	10.8	141	270	-
Hori.	10360.000	PK	59.95	36.38	10.50	39.88	-9.54	57.41	-37.82	-27.0	10.8	141	270	-
Vert.	10360.000	PK	59.01	36.38	10.50	39.88	-9.54	56.47	-38.76	-27.0	11.7	126	152	-
Vert.	10360.000	PK	59.01	36.38	10.50	39.88	-9.54	56.47	-38.76	-27.0	11.7	126	152	-

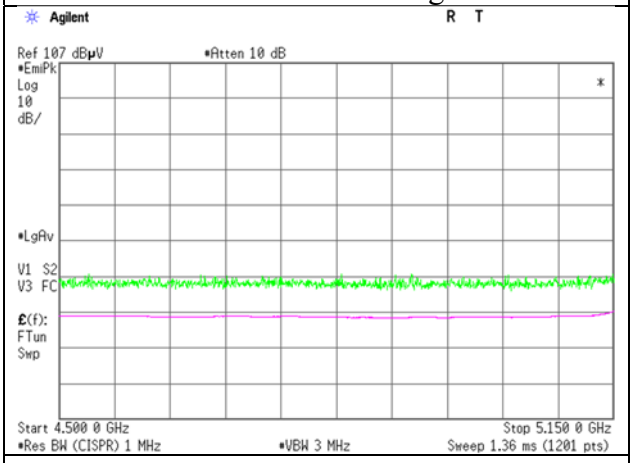
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 3, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-20 5180 MHz

Horizontal

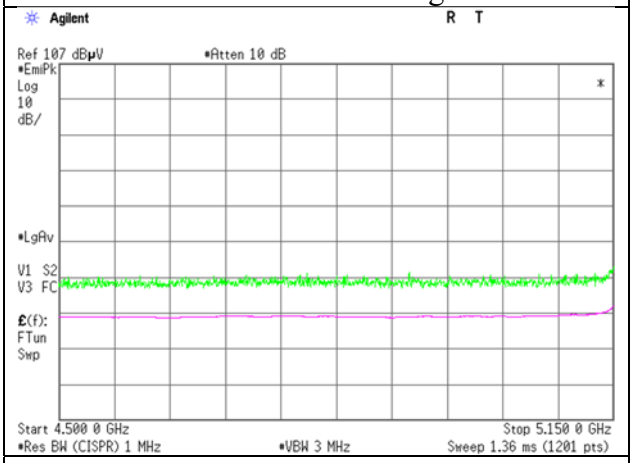
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	2	1	3	3
Date	April 8, 2021	April 23, 2021	May 4, 2021	May 7, 2021
Temperature / Humidity	22 deg.C, 38 %RH	23 deg.C, 33 %RH	23 deg.C, 43 %RH	24 deg.C, 49 %RH
Engineer	Takahiro Suzuki	Yosuke Murakami	Takahiro Suzuki	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11n-20 5240 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	15720.000	PK	49.31	39.85	13.17	39.37	-9.54	53.42	73.9	20.4	149	166	-
Hori.	15720.000	PK	49.31	39.85	13.17	39.37	-9.54	53.42	73.9	20.4	149	166	-
Hori.	20960.000	PK	46.17	40.22	14.46	47.23	-9.54	44.08	73.9	29.8	181	68	-
Hori.	15720.000	AV	37.38	39.85	13.17	39.37	-9.54	41.49	53.9	12.4	149	166	VBW: 10 Hz
Hori.	15720.000	AV	37.38	39.85	13.17	39.37	-9.54	41.49	53.9	12.4	149	166	VBW: 10 Hz
Hori.	20960.000	AV	32.33	40.22	14.46	47.23	-9.54	30.24	53.9	23.6	181	68	VBW: 10 Hz
Vert.	15720.000	PK	48.22	39.85	13.17	39.37	-9.54	52.33	73.9	21.5	149	121	-
Vert.	15720.000	PK	48.22	39.85	13.17	39.37	-9.54	52.33	73.9	21.5	149	121	-
Vert.	20960.000	PK	46.15	40.22	14.46	47.23	-9.54	44.06	73.9	29.8	181	349	-
Vert.	15720.000	AV	36.32	39.85	13.17	39.37	-9.54	40.43	53.9	13.4	149	121	VBW: 10 Hz
Vert.	15720.000	AV	36.32	39.85	13.17	39.37	-9.54	40.43	53.9	13.4	149	121	VBW: 10 Hz
Vert.	20960.000	AV	31.79	40.22	14.46	47.23	-9.54	29.70	53.9	24.2	181	349	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	10480.000	PK	60.80	36.57	10.56	40.11	-9.54	58.28	-36.95	-27.0	**9.9**	146	277	-
Hori.	10480.000	PK	60.80	36.57	10.56	40.11	-9.54	58.28	-36.95	-27.0	**9.9**	146	277	-
Vert.	10480.000	PK	58.19	36.57	10.56	40.11	-9.54	55.67	-39.56	-27.0	12.5	156	140	-
Vert.	10480.000	PK	58.19	36.57	10.56	40.11	-9.54	55.67	-39.56	-27.0	12.5	156	140	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	2	1	3	3
Date	April 8, 2021	April 23, 2021	May 4, 2021	May 7, 2021
Temperature / Humidity	22 deg.C, 38 %RH	23 deg.C, 33 %RH	23 deg.C, 43 %RH	24 deg.C, 49 %RH
Engineer	Takahiro Suzuki	Yosuke Murakami	Takahiro Suzuki	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11n-20 5320 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	47.61	31.99	17.34	39.74	2.12	59.32	73.9	14.5	169	319	-
Hori.	10640.000	PK	56.23	37.13	10.63	40.02	-9.54	54.43	73.9	19.4	151	27	-
Hori.	15960.000	PK	48.93	40.10	13.09	39.70	-9.54	52.88	73.9	21.0	160	164	-
Hori.	21280.000	PK	46.08	40.23	14.58	47.21	-9.54	44.14	73.9	29.7	160	57	-
Hori.	5350.000	AV	34.13	31.99	17.34	39.74	2.12	45.84	53.9	8.0	169	319	VBW: 10 Hz
Hori.	10640.000	AV	42.66	37.13	10.63	40.02	-9.54	40.86	53.9	13.0	151	27	VBW: 10 Hz
Hori.	15960.000	AV	36.08	40.10	13.09	39.70	-9.54	40.03	53.9	13.8	160	164	VBW: 10 Hz
Hori.	21280.000	AV	32.42	40.23	14.58	47.21	-9.54	30.48	53.9	23.4	160	57	VBW: 10 Hz
Vert.	5350.000	PK	52.16	31.99	17.34	39.74	2.12	63.87	73.9	10.0	152	14	-
Vert.	10640.000	PK	54.41	37.13	10.63	40.02	-9.54	52.61	73.9	21.2	122	16	-
Vert.	15960.000	PK	48.24	40.10	13.09	39.70	-9.54	52.19	73.9	21.7	175	304	-
Vert.	21280.000	PK	47.35	40.23	14.58	47.21	-9.54	45.41	73.9	28.4	133	33	-
Vert.	5350.000	AV	35.77	31.99	17.34	39.74	2.12	47.48	53.9	**6.4**	152	14	VBW: 10 Hz
Vert.	10640.000	AV	40.91	37.13	10.63	40.02	-9.54	39.11	53.9	14.7	122	16	VBW: 10 Hz
Vert.	15960.000	AV	36.31	40.10	13.09	39.70	-9.54	40.26	53.9	13.6	175	304	VBW: 10 Hz
Vert.	21280.000	AV	33.21	40.23	14.58	47.21	-9.54	31.27	53.9	22.6	133	33	VBW: 10 Hz

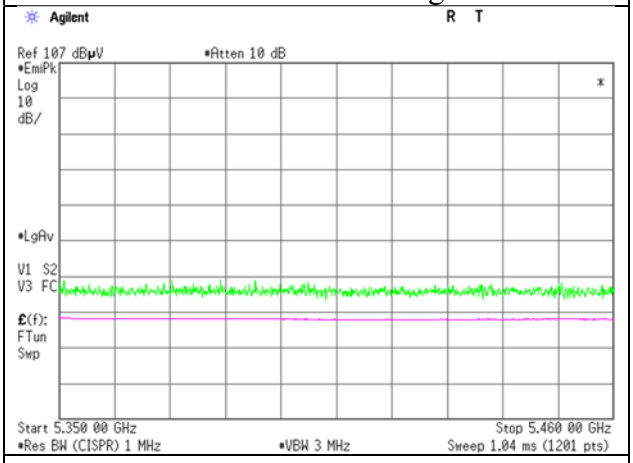
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	2
Date	April 8, 2021
Temperature / Humidity	22 deg.C, 38 %RH
Engineer	Takahiro Suzuki
Mode	Tx 11n-20 5320 MHz

Horizontal

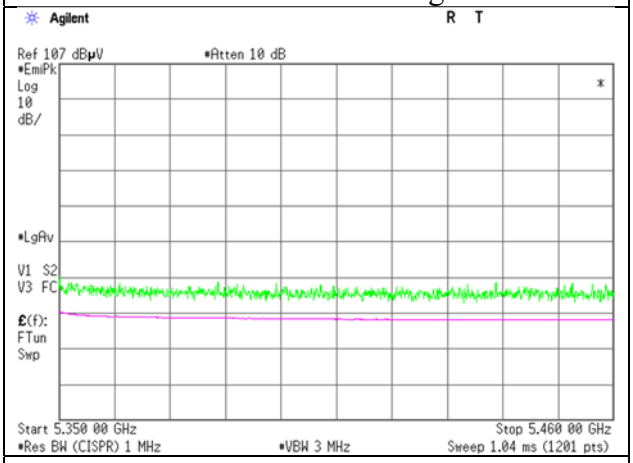
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	2	3	3	3
Date	April 8, 2021	April 24, 2021	May 4, 2021	May 7, 2021
Temperature / Humidity	22 deg.C, 38 %RH	22 deg.C, 30 %RH	23 deg.C, 43 %RH	24 deg.C, 49 %RH
Engineer	Takahiro Suzuki (1 GHz - 10 GHz)	Takahiro Kawakami (10 GHz - 18 GHz)	Takahiro Suzuki (18 GHz - 26.5 GHz)	Toshinori Yamada (26.5 GHz - 40 GHz)
Mode	Tx 11n-20 5500 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	47.26	32.22	17.43	39.75	2.12	59.28	73.9	14.6	166	203	-
Hori.	11000.000	PK	54.77	37.23	9.65	42.99	-9.54	49.12	73.9	24.7	142	80	-
Hori.	5460.000	AV	34.21	32.22	17.43	39.75	2.12	46.23	53.9	7.6	166	203	VBW: 10 Hz
Hori.	11000.000	AV	42.13	37.23	9.65	42.99	-9.54	36.48	53.9	17.4	142	80	VBW: 10 Hz
Vert.	5460.000	PK	48.06	32.22	17.43	39.75	2.12	60.08	73.9	13.8	170	13	-
Vert.	11000.000	PK	55.67	37.23	9.65	42.99	-9.54	50.02	73.9	23.8	129	149	-
Vert.	5460.000	AV	34.89	32.22	17.43	39.75	2.12	46.91	53.9	6.9	170	13	VBW: 10 Hz
Vert.	11000.000	AV	42.02	37.23	9.65	42.99	-9.54	36.37	53.9	17.5	129	149	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	48.66	32.24	17.43	39.75	2.12	60.70	-34.53	-27.0	7.5	166	203	-
Hori.	16500.000	PK	56.52	39.88	12.16	40.32	-9.54	58.70	-36.53	-27.0	9.5	179	296	-
Hori.	22000.000	PK	46.09	40.43	14.91	47.73	-9.54	44.16	-51.07	-27.0	24.0	138	68	-
Vert.	5470.000	PK	50.84	32.24	17.43	39.75	2.12	62.88	-32.35	-27.0	**5.3**	170	13	-
Vert.	16500.000	PK	57.63	39.88	12.16	40.32	-9.54	59.81	-35.42	-27.0	8.4	147	37	-
Vert.	22000.000	PK	45.98	40.43	14.91	47.73	-9.54	44.05	-51.18	-27.0	24.1	176	338	-

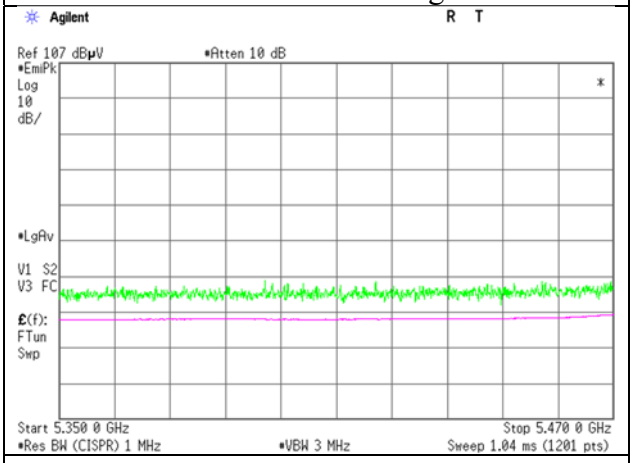
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	2
Date	April 8, 2021
Temperature / Humidity	22 deg.C, 38 %RH
Engineer	Takahiro Suzuki
Mode	Tx 11n-20 5500 MHz

Horizontal

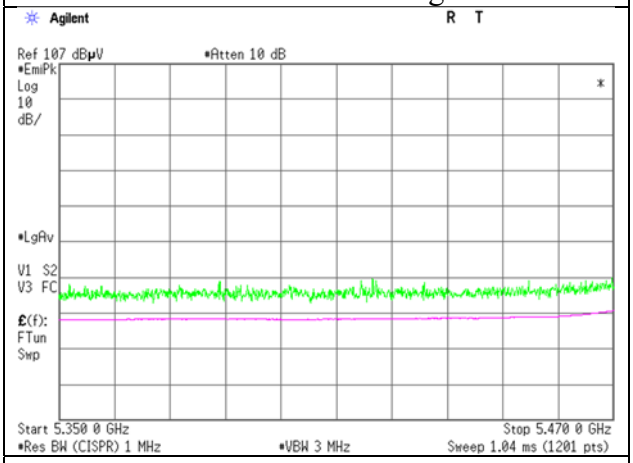
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	2	3	3	3
Date	April 8, 2021	April 24, 2021	May 4, 2021	May 7, 2021
Temperature / Humidity	22 deg.C, 38 %RH	22 deg.C, 30 %RH	23 deg.C, 43 %RH	24 deg.C, 49 %RH
Engineer	Takahiro Suzuki	Takahiro Kawakami	Takahiro Suzuki	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11n-20 5580 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	11160.000	PK	56.99	37.20	9.73	42.85	-9.54	51.53	73.9	22.3	111	277	-
Hori.	22320.000	PK	46.37	40.44	14.97	47.94	-9.54	44.30	73.9	29.6	136	83	-
Hori.	11160.000	AV	43.23	37.20	9.73	42.85	-9.54	37.77	53.9	16.1	111	277	VBW: 10 Hz
Hori.	22320.000	AV	32.02	40.44	14.97	47.94	-9.54	29.95	53.9	23.9	136	83	VBW: 10 Hz
Vert.	11160.000	PK	55.09	37.20	9.73	42.85	-9.54	49.63	73.9	24.2	105	352	-
Vert.	22320.000	PK	48.06	40.44	14.97	47.94	-9.54	45.99	73.9	27.9	181	287	-
Vert.	11160.000	AV	41.81	37.20	9.73	42.85	-9.54	36.35	53.9	17.5	105	352	VBW: 10 Hz
Vert.	22320.000	AV	32.98	40.44	14.97	47.94	-9.54	30.91	53.9	22.9	181	287	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	16740.000	PK	55.83	39.41	12.29	40.33	-9.54	57.66	-37.57	-27.0	**10.5**	142	231	-
Vert.	16740.000	PK	55.75	39.41	12.29	40.33	-9.54	57.58	-37.65	-27.0	10.6	139	38	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2				
Test place	Shonan EMC Lab.				
Semi Anechoic Chamber	3	2	3	3	3
Date	May 12, 2021	April 8, 2021	April 24, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 45 %RH	22 deg.C, 38 %RH	22 deg.C, 30 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Toshinori Yamada	Takahiro Suzuki	Takahiro Kawakami	Takahiro Kawakami	Toshinori Yamada
	(30 MHz - 1 GHz)	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11n-20 5700 MHz				

(below 1 GHz and above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	202.051	QP	38.20	16.77	8.02	32.05	0.00	30.94	43.5	12.5	165	279	-
Hori.	250.441	QP	41.60	17.48	8.30	31.98	0.00	35.40	46.0	10.6	195	250	-
Hori.	356.246	QP	40.30	14.94	8.86	31.92	0.00	32.18	46.0	13.8	124	119	-
Hori.	367.385	QP	36.50	15.27	8.91	31.93	0.00	28.75	46.0	17.2	113	146	-
Hori.	712.489	QP	38.00	20.54	10.33	31.81	0.00	37.06	46.0	8.9	148	218	-
Hori.	11400.000	PK	54.65	37.76	9.84	42.65	-9.54	50.06	73.9	23.8	118	277	-
Hori.	22800.000	PK	42.78	40.31	15.12	47.56	-9.54	41.11	73.9	32.7	147	37	-
Hori.	11400.000	AV	42.64	37.76	9.84	42.65	-9.54	38.05	53.9	15.8	118	277	VBW: 10 Hz
Hori.	22800.000	AV	30.98	40.31	15.12	47.56	-9.54	29.31	53.9	24.5	147	37	VBW: 10 Hz
Vert.	62.147	QP	30.40	7.78	6.51	32.16	0.00	12.53	40.0	27.4	100	5	-
Vert.	128.612	QP	31.40	13.87	7.37	32.11	0.00	20.53	43.5	22.9	100	323	-
Vert.	282.303	QP	33.60	18.64	8.48	31.98	0.00	28.74	46.0	17.2	100	302	-
Vert.	367.323	QP	37.40	15.27	8.91	31.93	0.00	29.65	46.0	16.3	100	287	-
Vert.	712.489	QP	36.80	20.54	10.33	31.81	0.00	35.86	46.0	10.1	133	127	-
Vert.	11400.000	PK	51.95	37.76	9.84	42.65	-9.54	47.36	73.9	26.5	146	151	-
Vert.	22800.000	PK	43.78	40.31	15.12	47.56	-9.54	42.11	73.9	31.7	145	288	-
Vert.	11400.000	AV	39.29	37.76	9.84	42.65	-9.54	34.70	53.9	19.2	146	151	VBW: 10 Hz
Vert.	22800.000	AV	31.48	40.31	15.12	47.56	-9.54	29.81	53.9	24.0	145	288	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	47.30	32.64	17.60	39.92	2.12	59.74	-35.49	-27.0	8.4	179	328	-
Hori.	17100.000	PK	58.96	39.77	12.48	40.33	-9.54	61.34	-33.89	-27.0	6.8	145	229	-
Vert.	5725.000	PK	49.12	32.64	17.60	39.92	2.12	61.56	-33.67	-27.0	**6.6**	142	19	-
Vert.	17100.000	PK	54.15	39.77	12.48	40.33	-9.54	56.53	-38.70	-27.0	11.7	142	241	-

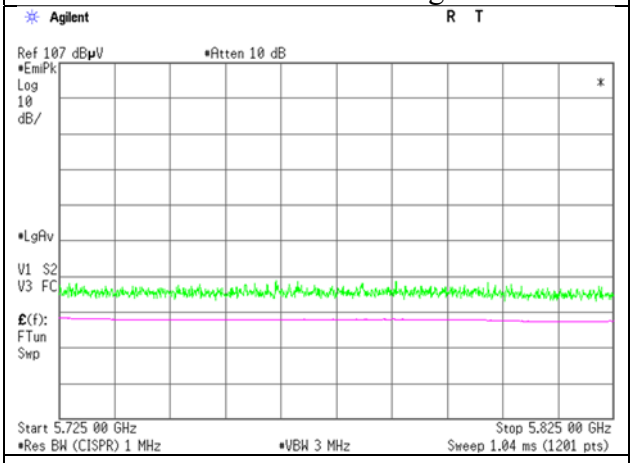
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	2
Date	April 8, 2021
Temperature / Humidity	22 deg.C, 38 %RH
Engineer	Takahiro Suzuki
Mode	Tx 11n-20 5700 MHz

Horizontal

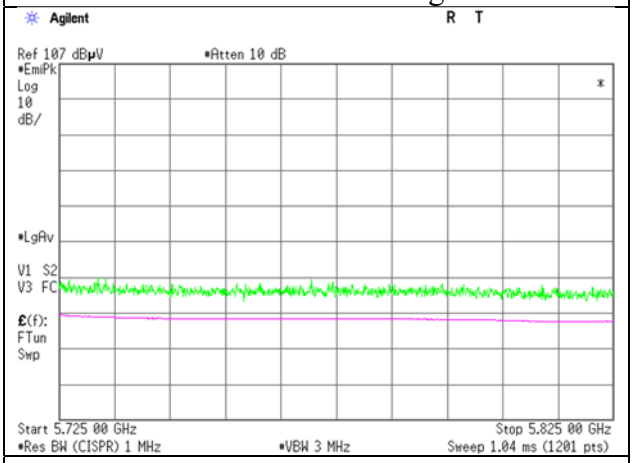
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	2	3	3	3
Date	April 8, 2021	April 24, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	22 deg.C, 38 %RH	22 deg.C, 30 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Takahiro Suzuki	Takahiro Kawakami	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11n-20 5745 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	11490.000	PK	53.04	37.91	9.90	42.57	-9.54	48.74	73.9	25.1	133	280	-
Hori.	22980.000	PK	44.26	40.24	15.19	47.26	-9.54	42.89	73.9	31.0	153	48	-
Hori.	11490.000	AV	39.92	37.91	9.90	42.57	-9.54	35.62	53.9	18.2	133	280	VBW: 10 Hz
Hori.	22980.000	AV	31.40	40.24	15.19	47.26	-9.54	30.03	53.9	23.8	153	48	VBW: 10 Hz
Vert.	11490.000	PK	50.41	37.91	9.90	42.57	-9.54	46.11	73.9	27.7	130	19	-
Vert.	22980.000	PK	45.27	40.24	15.19	47.26	-9.54	43.90	73.9	30.0	198	326	-
Vert.	11490.000	AV	37.35	37.91	9.90	42.57	-9.54	33.05	53.9	20.8	130	19	VBW: 10 Hz
Vert.	22980.000	AV	31.77	40.24	15.19	47.26	-9.54	30.40	53.9	23.5	198	326	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	47.36	32.44	17.55	39.86	2.12	59.61	-35.62	-27.0	8.6	154	326	-
Hori.	5700.000	PK	47.01	32.56	17.58	39.90	2.12	59.37	-35.86	10.0	45.8	154	326	-
Hori.	5720.000	PK	51.91	32.62	17.59	39.92	2.12	64.32	-30.91	15.6	46.5	154	326	-
Hori.	5725.000	PK	57.57	32.64	17.60	39.92	2.12	70.01	-25.22	27.0	52.2	154	326	-
Hori.	17235.000	PK	60.30	40.03	12.54	40.32	-9.54	63.01	-32.22	-27.0	**5.2**	145	225	-
Vert.	5650.000	PK	47.34	32.44	17.55	39.86	2.12	59.59	-35.64	-27.0	8.6	128	19	-
Vert.	5700.000	PK	48.77	32.56	17.58	39.90	2.12	61.13	-34.10	10.0	44.1	128	19	-
Vert.	5720.000	PK	54.71	32.62	17.59	39.92	2.12	67.12	-28.11	15.6	43.7	128	19	-
Vert.	5725.000	PK	60.55	32.64	17.60	39.92	2.12	72.99	-22.24	27.0	49.2	128	19	-
Vert.	17235.000	PK	56.69	40.03	12.54	40.32	-9.54	59.40	-35.83	-27.0	8.8	133	298	-

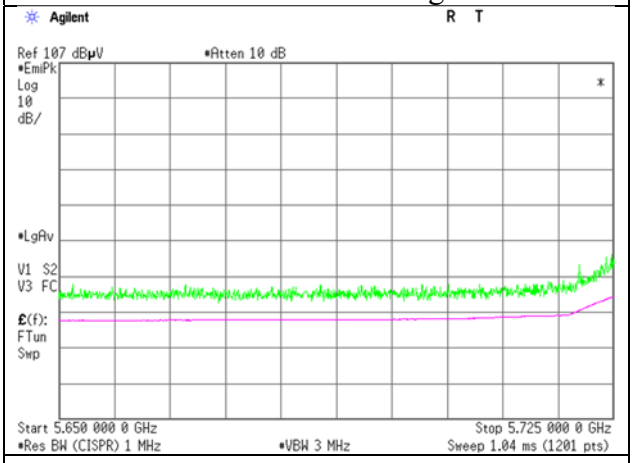
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	2
Date	April 8, 2021
Temperature / Humidity	22 deg.C, 38 %RH
Engineer	Takahiro Suzuki
Mode	Tx 11n-20 5745 MHz

Horizontal

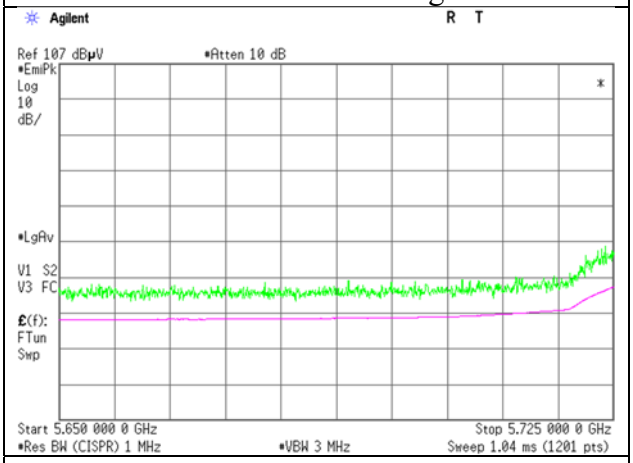
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	2	3	3	3
Date	April 8, 2021	April 24, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	22 deg.C, 38 %RH	22 deg.C, 30 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Takahiro Suzuki	Takahiro Kawakami	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11n-20 5785 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	11570.000	PK	52.21	37.98	9.94	42.56	-9.54	48.03	73.9	25.8	164	76	-
Hori.	11570.000	AV	39.83	37.98	9.94	42.56	-9.54	35.65	53.9	18.2	164	76	VBW: 10 Hz
Vert.	11570.000	PK	50.89	37.98	9.94	42.56	-9.54	46.71	73.9	27.1	221	124	-
Vert.	11570.000	AV	37.29	37.98	9.94	42.56	-9.54	33.11	53.9	20.7	221	124	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	17355.000	PK	60.66	40.19	12.57	40.31	-9.54	63.57	-31.66	-27.0	**4.6**	140	233	-
Hori.	23140.000	PK	45.77	40.19	15.25	47.19	-9.54	44.48	-50.75	-27.0	23.7	173	31	-
Vert.	17355.000	PK	59.66	40.19	12.57	40.31	-9.54	62.57	-32.66	-27.0	5.6	134	27	-
Vert.	23140.000	PK	46.64	40.19	15.25	47.19	-9.54	45.35	-49.88	-27.0	22.8	200	319	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	2	3	3	3
Date	April 8, 2021	April 24, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	22 deg.C, 38 %RH	22 deg.C, 30 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Takahiro Suzuki	Takahiro Kawakami	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11n-20 5825 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	11650.000	PK	56.10	37.98	10.02	42.57	-9.54	51.99	73.9	21.9	155	63	-
Hori.	11650.000	AV	43.01	37.98	10.02	42.57	-9.54	38.90	53.9	15.0	155	63	VBW: 10 Hz
Vert.	11650.000	PK	51.57	37.98	10.02	42.57	-9.54	47.46	73.9	26.4	240	131	-
Vert.	11650.000	AV	38.89	37.98	10.02	42.57	-9.54	34.78	53.9	19.1	240	131	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	53.78	32.91	17.68	40.02	2.12	66.47	-28.76	27.0	55.7	133	329	-
Hori.	5855.000	PK	51.96	32.92	17.68	40.02	2.12	64.66	-30.57	15.6	46.1	133	329	-
Hori.	5875.000	PK	48.54	32.95	17.71	40.04	2.12	61.28	-33.95	10.0	43.9	133	329	-
Hori.	5925.000	PK	46.76	32.99	17.74	40.07	2.12	59.54	-35.69	-27.0	8.6	133	329	-
Hori.	17475.000	PK	59.79	40.34	12.64	40.30	-9.54	62.93	-32.30	-27.0	5.3	141	241	-
Hori.	23300.000	PK	46.55	40.18	15.32	47.13	-9.54	45.38	-49.85	-27.0	22.8	133	42	-
Vert.	5850.000	PK	56.08	32.91	17.68	40.02	2.12	68.77	-26.46	27.0	53.4	120	19	-
Vert.	5855.000	PK	54.11	32.92	17.68	40.02	2.12	66.81	-28.42	15.6	44.0	120	19	-
Vert.	5875.000	PK	48.82	32.95	17.71	40.04	2.12	61.56	-33.67	10.0	43.6	120	19	-
Vert.	5925.000	PK	46.91	32.99	17.74	40.07	2.12	59.69	-35.54	-27.0	8.5	120	19	-
Vert.	17475.000	PK	61.34	40.34	12.64	40.30	-9.54	64.48	-30.75	-27.0	**3.7**	163	133	-
Vert.	23300.000	PK	46.51	40.18	15.32	47.13	-9.54	45.34	-49.89	-27.0	22.8	179	325	-

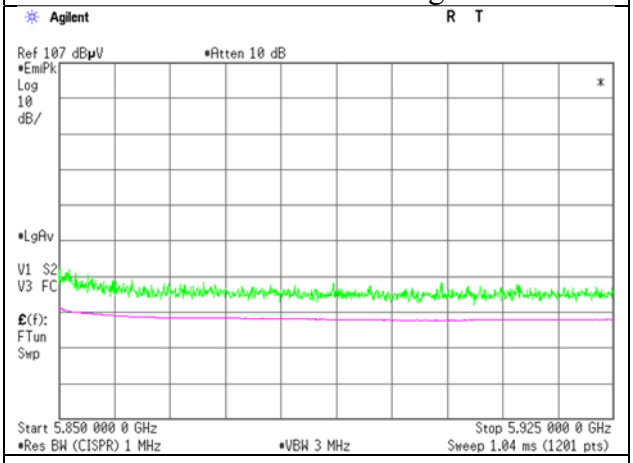
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	2
Date	April 8, 2021
Temperature / Humidity	22 deg.C, 38 %RH
Engineer	Takahiro Suzuki
Mode	Tx 11n-20 5825 MHz

Horizontal

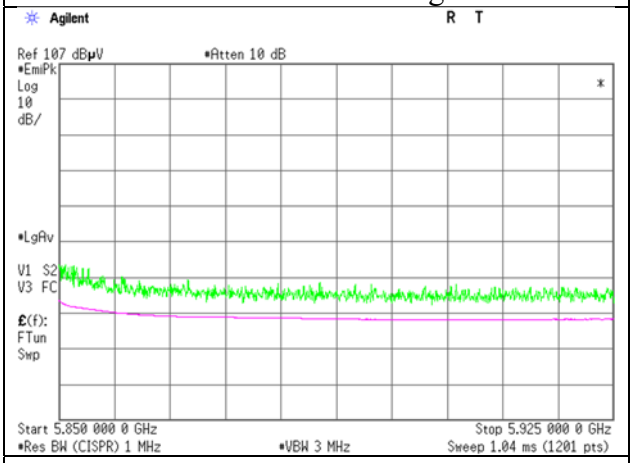
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 20, 2021
Temperature / Humidity	22 deg.C, 45 %RH
Engineer	Takahiro Suzuki
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-20 5180 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	51.38	32.12	16.64	43.05	2.12	59.21	73.9	14.6	124	187	-
Hori.	5150.000	AV	37.37	32.12	16.64	43.05	2.12	45.20	53.9	8.7	124	187	VBW: 10 Hz
Vert.	5150.000	PK	55.31	32.12	16.64	43.05	2.12	63.14	73.9	10.7	186	132	-
Vert.	5150.000	AV	40.37	32.12	16.64	43.05	2.12	48.20	53.9	**5.7**	186	132	VBW: 10 Hz

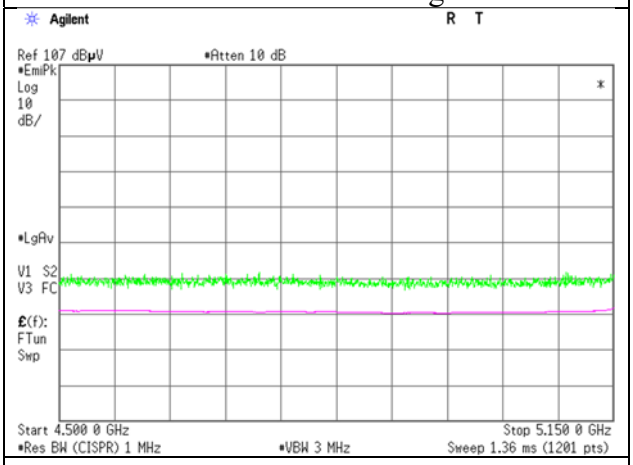
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 20, 2021
Temperature / Humidity	22 deg.C, 45 %RH
Engineer	Takahiro Suzuki
Mode	Tx 11ac-20 5180 MHz

Horizontal

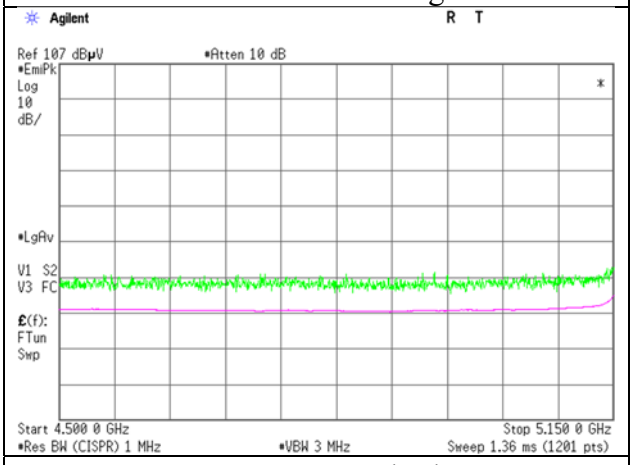
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 20, 2021
Temperature / Humidity	22 deg.C, 45 %RH
Engineer	Takahiro Suzuki
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-20 5320 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	51.92	31.83	16.76	43.26	2.12	59.37	73.9	14.5	144	268	-
Hori.	5350.000	AV	37.96	31.83	16.76	43.26	2.12	45.41	53.9	8.4	144	268	VBW: 10 Hz
Vert.	5350.000	PK	55.39	31.83	16.76	43.26	2.12	62.84	73.9	11.0	190	128	-
Vert.	5350.000	AV	40.49	31.83	16.76	43.26	2.12	47.94	53.9	**5.9**	190	128	VBW: 10 Hz

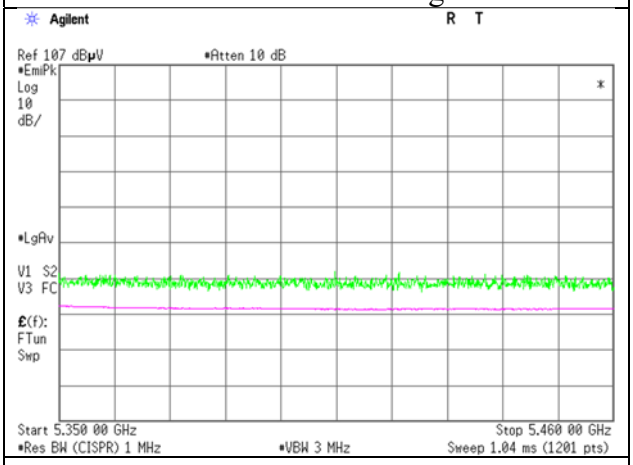
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 20, 2021
Temperature / Humidity	22 deg.C, 45 %RH
Engineer	Takahiro Suzuki
Mode	Tx 11ac-20 5320 MHz

Horizontal

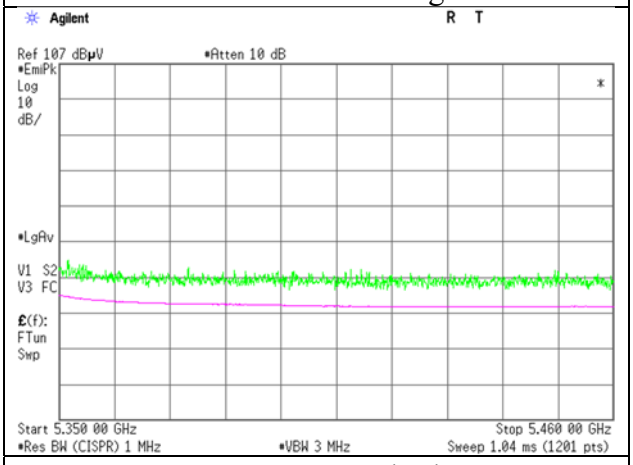
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 20, 2021
Temperature / Humidity	22 deg.C, 45 %RH
Engineer	Takahiro Suzuki
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-20 5500 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	51.84	32.30	16.84	43.38	2.12	59.72	73.9	14.1	139	271	-
Hori.	5460.000	AV	37.53	32.30	16.84	43.38	2.12	45.41	53.9	8.4	139	271	VBW: 10 Hz
Vert.	5460.000	PK	54.03	32.30	16.84	43.38	2.12	61.91	73.9	11.9	194	129	-
Vert.	5460.000	AV	39.01	32.30	16.84	43.38	2.12	46.89	53.9	7.0	194	129	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	51.95	32.33	16.84	43.39	2.12	59.85	-35.38	-27.0	8.3	139	271	-
Vert.	5470.000	PK	55.64	32.33	16.84	43.39	2.12	63.54	-31.69	-27.0	**4.6**	194	129	-

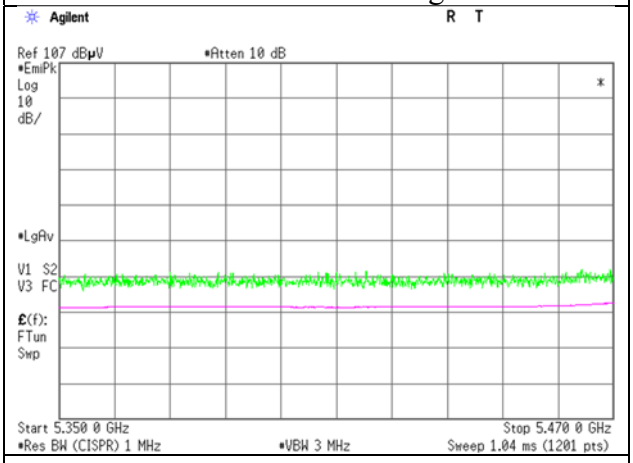
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	April 20, 2021
Temperature / Humidity	22 deg.C, 45 %RH
Engineer	Takahiro Suzuki
Mode	Tx 11ac-20 5500 MHz

Horizontal

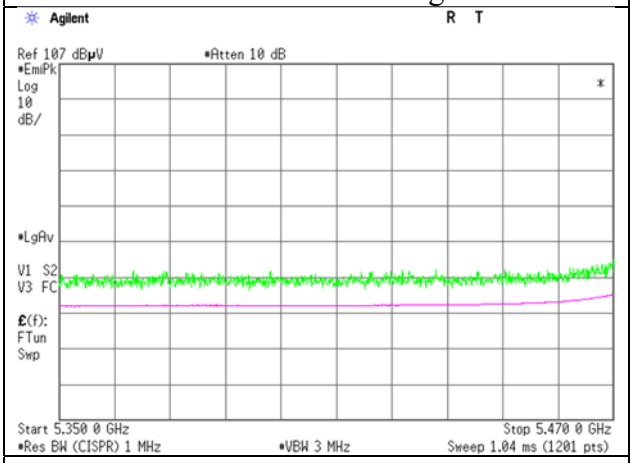
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-20 5700 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	48.02	32.64	17.60	39.92	2.12	60.46	-34.77	-27.0	**7.7**	143	36	-
Vert.	5725.000	PK	47.61	32.64	17.60	39.92	2.12	60.05	-35.18	-27.0	8.1	141	86	-

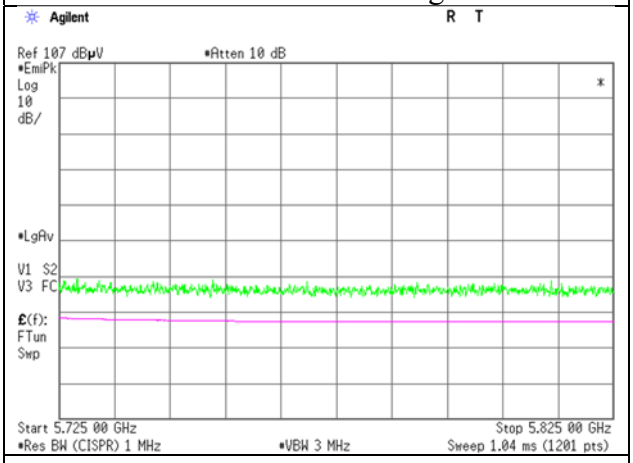
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20 5700 MHz

Horizontal

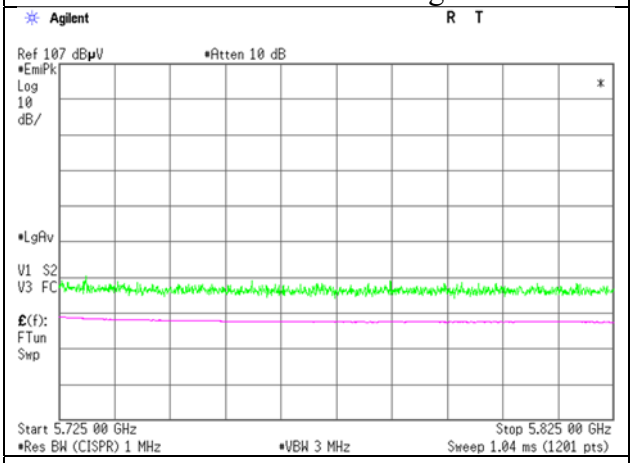
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-20 5745 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	46.22	32.44	17.55	39.86	2.12	58.47	-36.76	-27.0	9.7	149	39	-
Hori.	5700.000	PK	46.68	32.56	17.58	39.90	2.12	59.04	-36.19	10.0	46.1	149	39	-
Hori.	5720.000	PK	51.06	32.62	17.59	39.92	2.12	63.47	-31.76	15.6	47.3	149	39	-
Hori.	5725.000	PK	55.10	32.64	17.60	39.92	2.12	67.54	-27.69	27.0	54.6	149	39	-
Vert.	5650.000	PK	46.73	32.44	17.55	39.86	2.12	58.98	-36.25	-27.0	**9.2**	167	88	-
Vert.	5700.000	PK	47.23	32.56	17.58	39.90	2.12	59.59	-35.64	10.0	45.6	167	88	-
Vert.	5720.000	PK	52.10	32.62	17.59	39.92	2.12	64.51	-30.72	15.6	46.3	167	88	-
Vert.	5725.000	PK	56.39	32.64	17.60	39.92	2.12	68.83	-26.40	27.0	53.4	167	88	-

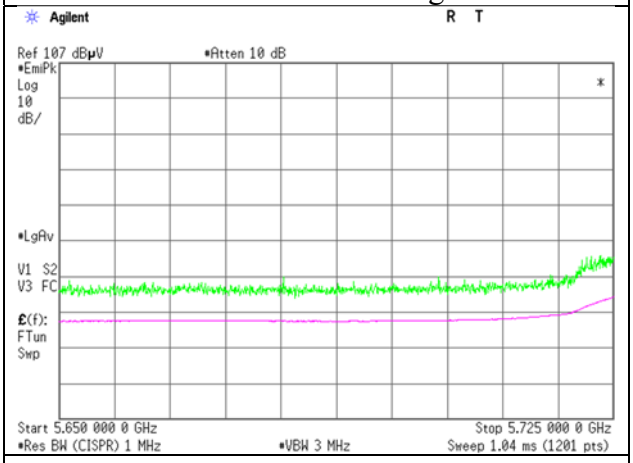
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20 5745 MHz

Horizontal

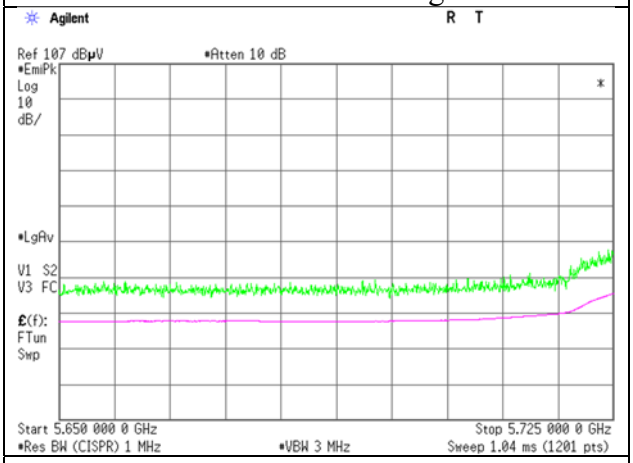
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-20 5825 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	53.83	32.91	17.67	40.02	2.12	66.51	-28.72	27.0	55.7	153	37	-
Hori.	5855.000	PK	48.82	32.92	17.67	40.02	2.12	61.51	-33.72	15.6	49.3	153	37	-
Hori.	5875.000	PK	46.88	32.95	17.71	40.04	2.12	59.62	-35.61	10.0	45.6	153	37	-
Hori.	5925.000	PK	46.75	32.99	17.74	40.07	2.12	59.53	-35.70	-27.0	8.7	153	37	-
Vert.	5850.000	PK	56.00	32.91	17.67	40.02	2.12	68.68	-26.55	27.0	53.5	145	83	-
Vert.	5855.000	PK	50.32	32.92	17.67	40.02	2.12	63.01	-32.22	15.6	47.8	145	83	-
Vert.	5875.000	PK	47.65	32.95	17.71	40.04	2.12	60.39	-34.84	10.0	44.8	145	83	-
Vert.	5925.000	PK	47.22	32.99	17.74	40.07	2.12	60.00	-35.23	-27.0	**8.2**	145	83	-

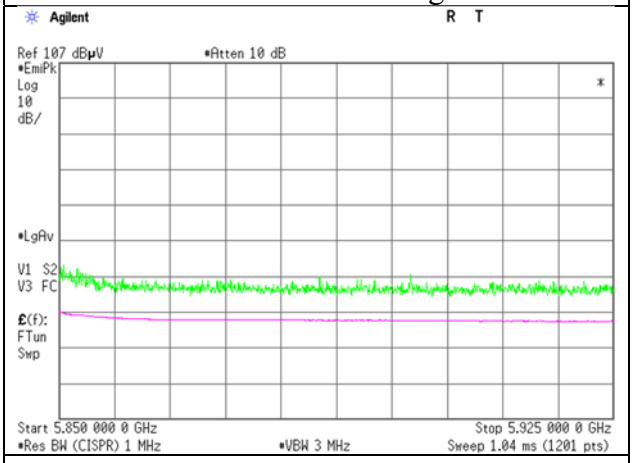
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20 5825 MHz

Horizontal

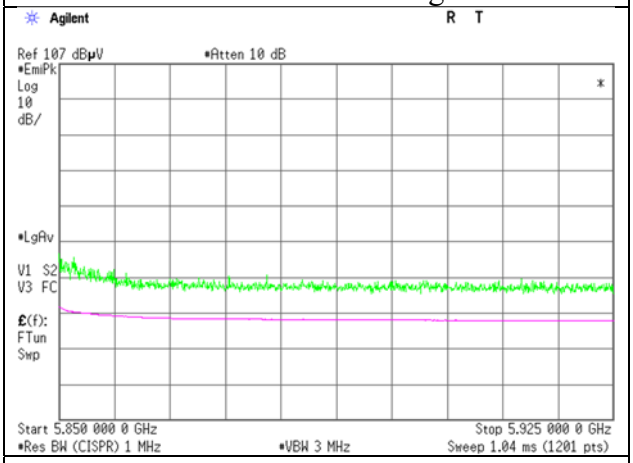
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-40 5190 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	50.55	32.25	17.18	39.72	2.12	62.38	73.9	11.5	106	61	-
Hori.	5150.000	AV	37.59	32.25	17.18	39.72	2.12	49.42	53.9	4.4	106	61	VBW: 10 Hz
Vert.	5150.000	PK	52.42	32.25	17.18	39.72	2.12	64.25	73.9	9.6	162	104	-
Vert.	5150.000	AV	39.91	32.25	17.18	39.72	2.12	51.74	53.9	**2.1**	162	104	VBW: 10 Hz

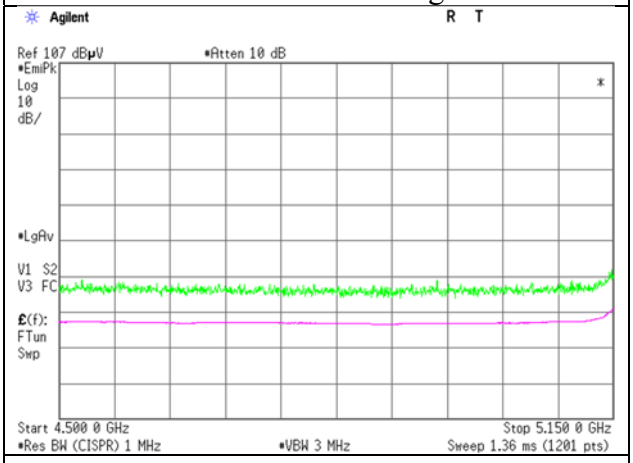
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-40 5190 MHz

Horizontal

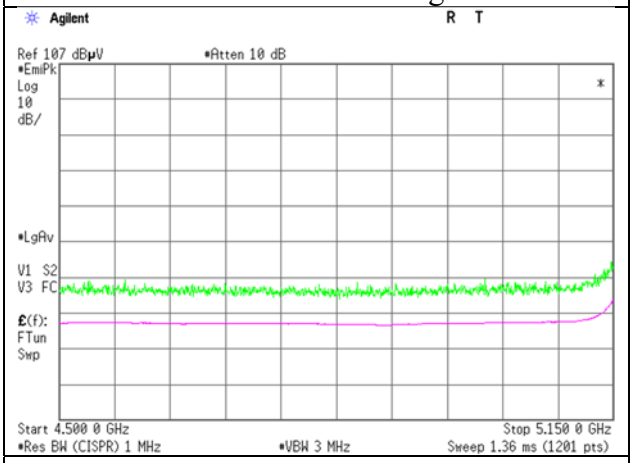
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-40 5310 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	49.39	31.99	17.33	39.74	2.12	61.09	73.9	12.8	205	49	-
Hori.	5350.000	AV	36.62	31.99	17.33	39.74	2.12	48.32	53.9	5.5	205	49	VBW: 10 Hz
Vert.	5350.000	PK	50.76	31.99	17.33	39.74	2.12	62.46	73.9	11.4	164	107	-
Vert.	5350.000	AV	38.21	31.99	17.33	39.74	2.12	49.91	53.9	**3.9**	164	107	VBW: 10 Hz

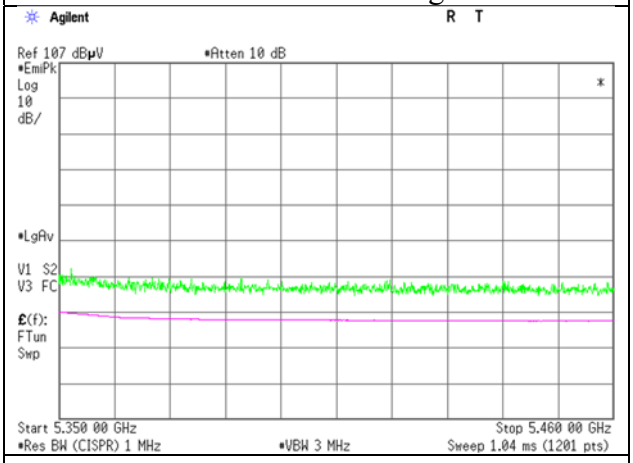
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-40 5310 MHz

Horizontal

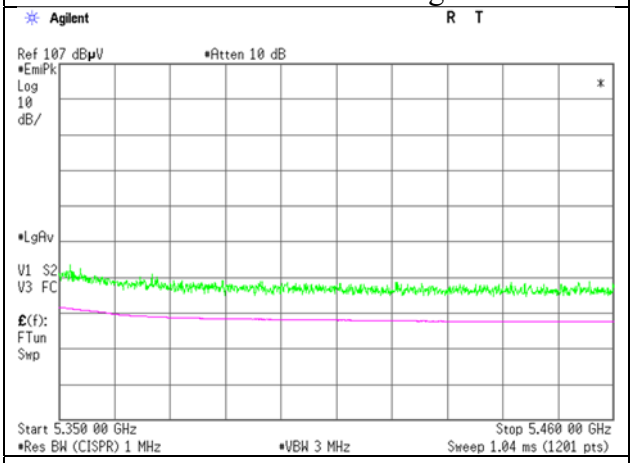
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-40 5510 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	47.40	32.22	17.42	39.75	2.12	59.41	73.9	14.4	155	34	-
Hori.	5460.000	AV	35.56	32.22	17.42	39.75	2.12	47.57	53.9	6.3	155	34	VBW: 10 Hz
Vert.	5460.000	PK	48.93	32.22	17.42	39.75	2.12	60.94	73.9	12.9	163	106	-
Vert.	5460.000	AV	36.75	32.22	17.42	39.75	2.12	48.76	53.9	5.1	163	106	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	50.89	32.24	17.42	39.75	2.12	62.92	-32.31	-27.0	5.3	155	34	-
Vert.	5470.000	PK	53.14	32.24	17.42	39.75	2.12	65.17	-30.06	-27.0	**3.0**	163	106	-

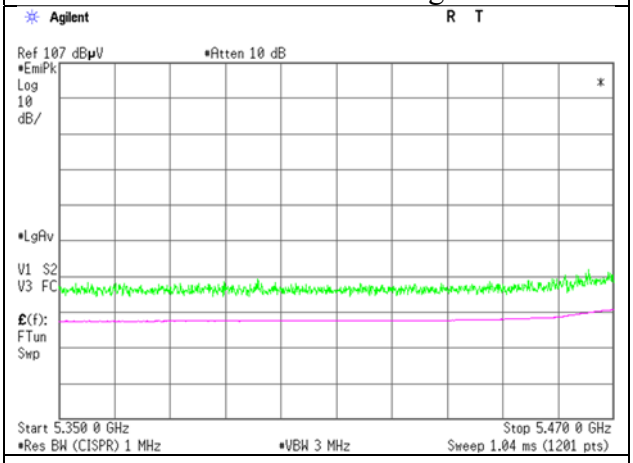
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-40 5510 MHz

Horizontal

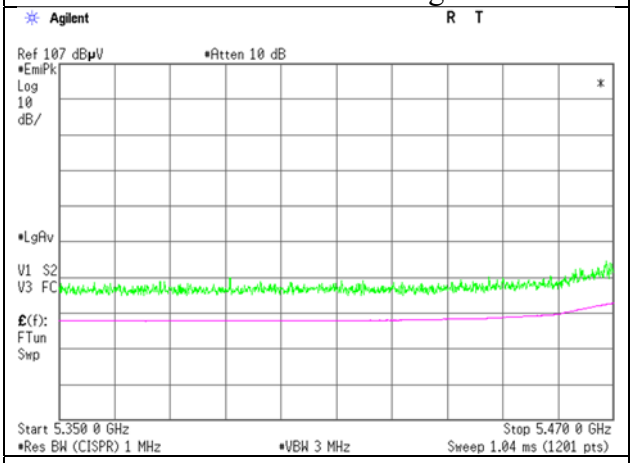
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-40 5670 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	47.08	32.64	17.60	39.92	2.12	59.52	-35.71	-27.0	**8.7**	151	36	-
Vert.	5725.000	PK	46.72	32.64	17.60	39.92	2.12	59.16	-36.07	-27.0	9.0	135	107	-

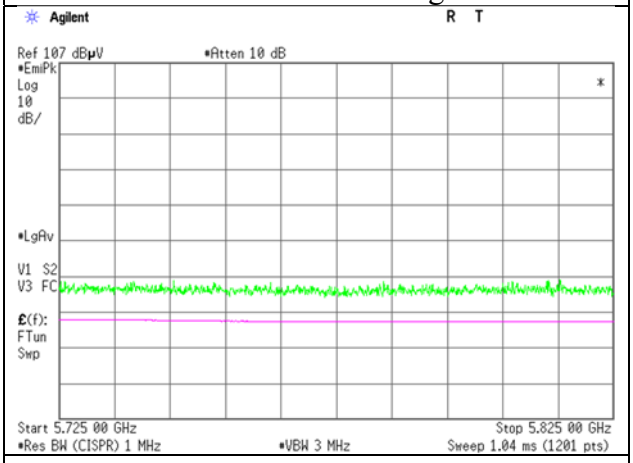
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-40 5670 MHz

Horizontal

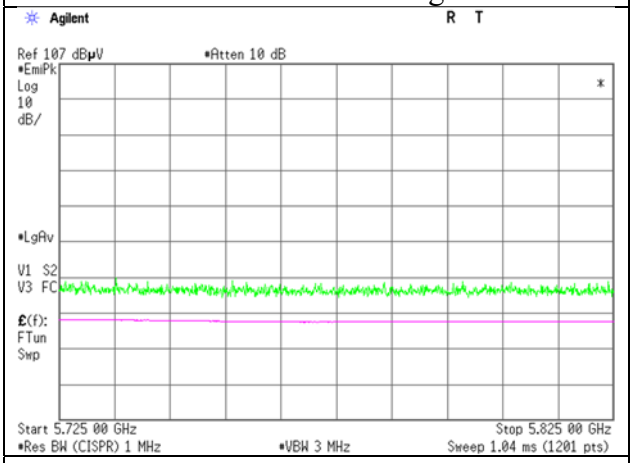
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-40 5755 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	46.23	32.44	17.55	39.86	2.12	58.48	-36.75	-27.0	9.7	148	68	-
Hori.	5700.000	PK	47.05	32.56	17.58	39.90	2.12	59.41	-35.82	10.0	45.8	148	68	-
Hori.	5720.000	PK	55.29	32.62	17.59	39.92	2.12	67.70	-27.53	15.6	43.1	148	68	-
Hori.	5725.000	PK	56.88	32.64	17.60	39.92	2.12	69.32	-25.91	27.0	52.9	148	68	-
Vert.	5650.000	PK	48.32	32.44	17.55	39.86	2.12	60.57	-34.66	-27.0	**7.6**	139	87	-
Vert.	5700.000	PK	48.09	32.56	17.58	39.90	2.12	60.45	-34.78	10.0	44.7	139	87	-
Vert.	5720.000	PK	56.25	32.62	17.59	39.92	2.12	68.66	-26.57	15.6	42.1	139	87	-
Vert.	5725.000	PK	59.66	32.64	17.60	39.92	2.12	72.10	-23.13	27.0	50.1	139	87	-

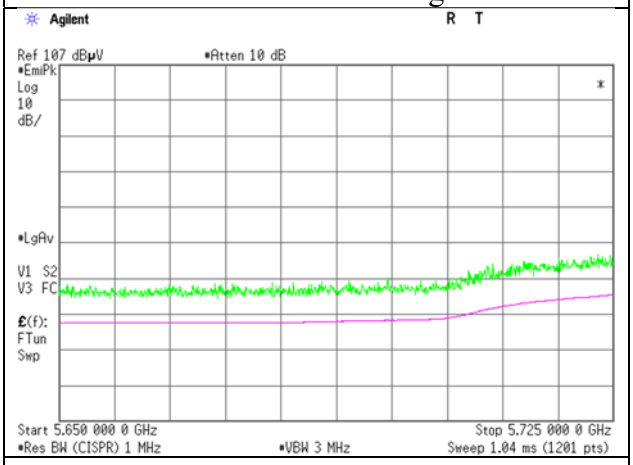
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-40 5755 MHz

Horizontal

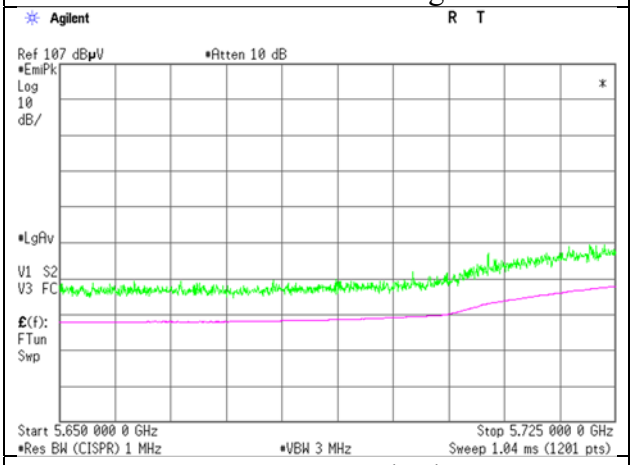
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-40 5795 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	47.56	32.91	17.67	40.02	2.12	60.24	-34.99	27.0	61.9	167	37	-
Hori.	5855.000	PK	46.72	32.92	17.67	40.02	2.12	59.41	-35.82	15.6	51.4	167	37	-
Hori.	5875.000	PK	46.75	32.95	17.71	40.04	2.12	59.49	-35.74	10.0	45.7	167	37	-
Hori.	5925.000	PK	46.52	32.99	17.74	40.07	2.12	59.30	-35.93	-27.0	**8.9**	167	37	-
Vert.	5850.000	PK	49.54	32.91	17.67	40.02	2.12	62.22	-33.01	27.0	60.0	135	84	-
Vert.	5855.000	PK	47.52	32.92	17.67	40.02	2.12	60.21	-35.02	15.6	50.6	135	84	-
Vert.	5875.000	PK	47.18	32.95	17.71	40.04	2.12	59.92	-35.31	10.0	45.3	135	84	-
Vert.	5925.000	PK	45.99	32.99	17.74	40.07	2.12	58.77	-36.46	-27.0	9.4	135	84	-

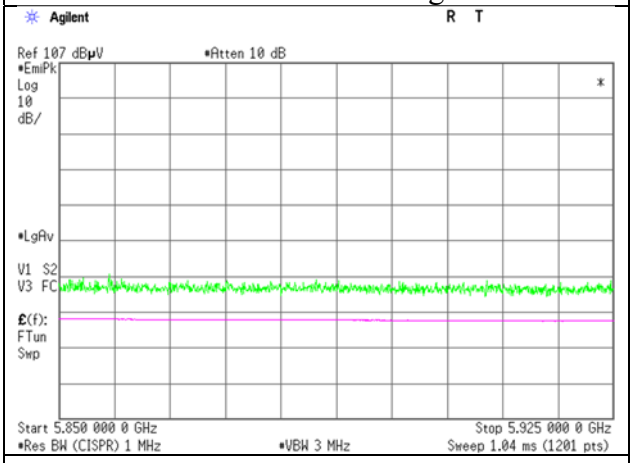
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-40 5795 MHz

Horizontal

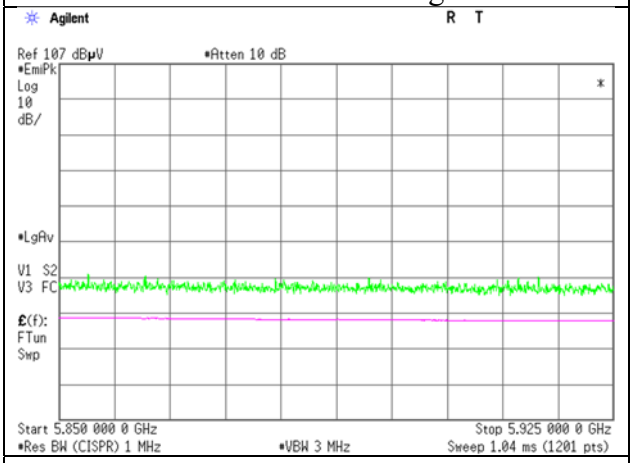
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	1	3	3	3
Date	April 22, 2021	April 24, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	20 deg.C, 32 %RH	22 deg.C, 30 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Takahiro Kawakami	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-40 5190 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.48	32.25	17.18	39.72	2.12	61.31	73.9	12.5	148	30	-
Hori.	15570.000	PK	50.04	39.58	11.67	40.44	-9.54	51.31	73.9	22.5	162	159	-
Hori.	20760.000	PK	44.85	40.25	14.39	47.29	-9.54	42.66	73.9	31.2	136	322	-
Hori.	5150.000	AV	36.20	32.25	17.18	39.72	2.12	48.03	53.9	5.8	148	30	VBW: 10 Hz
Hori.	15570.000	AV	37.10	39.58	11.67	40.44	-9.54	38.37	53.9	15.5	162	159	VBW: 10 Hz
Hori.	20760.000	AV	32.05	40.25	14.39	47.29	-9.54	29.86	53.9	24.0	136	322	VBW: 10 Hz
Vert.	5150.000	PK	51.83	32.25	17.18	39.72	2.12	63.66	73.9	10.2	152	114	-
Vert.	15570.000	PK	48.62	39.58	11.67	40.44	-9.54	49.89	73.9	24.0	136	299	-
Vert.	20760.000	PK	45.65	40.25	14.39	47.29	-9.54	43.46	73.9	30.4	195	356	-
Vert.	5150.000	AV	39.65	32.25	17.18	39.72	2.12	51.48	53.9	**2.4**	152	114	VBW: 10 Hz
Vert.	15570.000	AV	37.59	39.58	11.67	40.44	-9.54	38.86	53.9	15.0	136	299	VBW: 10 Hz
Vert.	20760.000	AV	32.15	40.25	14.39	47.29	-9.54	29.96	53.9	23.9	195	356	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	10380.000	PK	58.00	36.21	9.41	42.74	-9.54	51.34	-43.89	-27.0	16.8	180	279	-
Vert.	10380.000	PK	59.77	36.21	9.41	42.74	-9.54	53.11	-42.12	-27.0	15.1	133	151	-

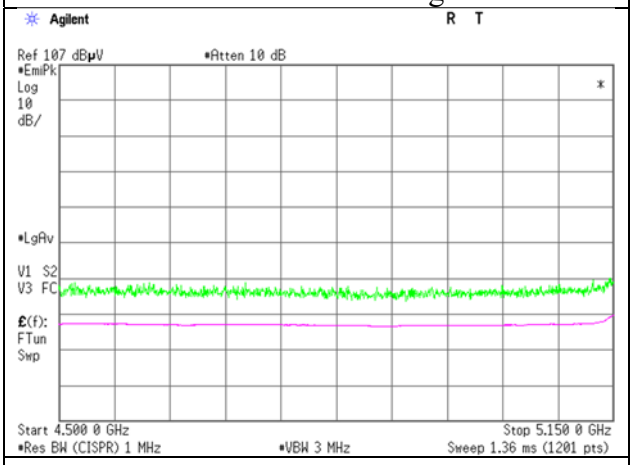
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 22, 2021
Temperature / Humidity	20 deg.C, 32 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-40 5190 MHz

Horizontal

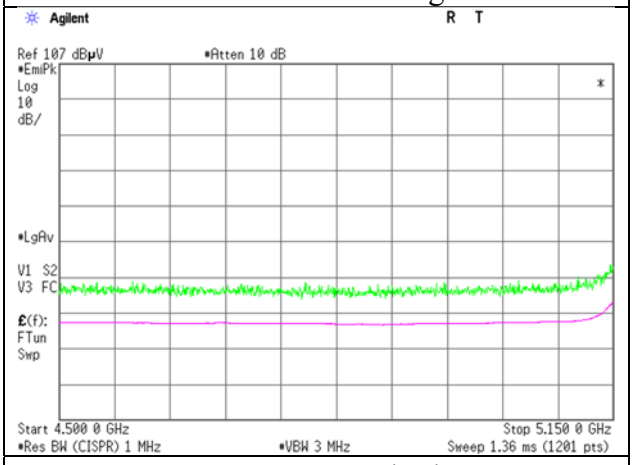
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	1	3	3	3
Date	April 22, 2021	April 24, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	20 deg.C, 32 %RH	22 deg.C, 30 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Takahiro Kawakami	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-40 5230 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	15690.000	PK	49.00	39.76	11.65	40.34	-9.54	50.53	73.9	23.3	153	162	-
Hori.	20920.000	PK	42.63	40.23	14.45	47.24	-9.54	40.53	73.9	33.3	193	257	-
Hori.	15690.000	AV	36.71	39.76	11.65	40.34	-9.54	38.24	53.9	15.6	153	162	VBW: 10 Hz
Hori.	20920.000	AV	31.64	40.23	14.45	47.24	-9.54	29.54	53.9	24.3	193	257	VBW: 10 Hz
Vert.	15690.000	PK	49.91	39.76	11.65	40.34	-9.54	51.44	73.9	22.4	141	303	-
Vert.	20920.000	PK	43.87	40.23	14.45	47.24	-9.54	41.77	73.9	32.1	241	358	-
Vert.	15690.000	AV	36.85	39.76	11.65	40.34	-9.54	38.38	53.9	**15.5**	141	303	VBW: 10 Hz
Vert.	20920.000	AV	30.95	40.23	14.45	47.24	-9.54	28.85	53.9	25.0	241	358	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	10460.000	PK	57.59	36.27	9.45	42.75	-9.54	51.02	-44.21	-27.0	17.2	148	59	-
Vert.	10460.000	PK	58.06	36.27	9.45	42.75	-9.54	51.49	-43.74	-27.0	16.7	149	151	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	1	3	3	3
Date	April 23, 2021	April 24, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 33 %RH	22 deg.C, 30 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Takahiro Kawakami	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-40 5310 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	48.54	31.99	17.33	39.74	2.12	60.24	73.9	13.6	159	44	-
Hori.	10620.000	PK	58.79	36.75	9.50	42.82	-9.54	52.68	73.9	21.2	148	65	-
Hori.	15930.000	PK	48.98	40.20	11.59	40.15	-9.54	51.08	73.9	22.8	145	224	-
Hori.	21240.000	PK	43.20	40.22	14.56	47.22	-9.54	41.22	73.9	32.6	156	242	-
Hori.	5350.000	AV	35.91	31.99	17.33	39.74	2.12	47.61	53.9	6.2	159	44	VBW: 10 Hz
Hori.	10620.000	AV	46.05	36.75	9.50	42.82	-9.54	39.94	53.9	13.9	148	65	VBW: 10 Hz
Hori.	15930.000	AV	35.38	40.20	11.59	40.15	-9.54	37.48	53.9	16.4	145	224	VBW: 10 Hz
Hori.	21240.000	AV	31.76	40.22	14.56	47.22	-9.54	29.78	53.9	24.1	156	242	VBW: 10 Hz
Vert.	5350.000	PK	49.36	31.99	17.33	39.74	2.12	61.06	73.9	12.8	150	109	-
Vert.	10620.000	PK	56.22	36.75	9.50	42.82	-9.54	50.11	73.9	23.7	133	358	-
Vert.	15930.000	PK	51.81	40.20	11.59	40.15	-9.54	53.91	73.9	19.9	136	296	-
Vert.	21240.000	PK	44.71	40.22	14.56	47.22	-9.54	42.73	73.9	31.1	148	312	-
Vert.	5350.000	AV	37.55	31.99	17.33	39.74	2.12	49.25	53.9	**4.6**	150	109	VBW: 10 Hz
Vert.	10620.000	AV	43.55	36.75	9.50	42.82	-9.54	37.44	53.9	16.4	133	358	VBW: 10 Hz
Vert.	15930.000	AV	38.74	40.20	11.59	40.15	-9.54	40.84	53.9	13.0	136	296	VBW: 10 Hz
Vert.	21240.000	AV	31.64	40.22	14.56	47.22	-9.54	29.66	53.9	24.2	148	312	VBW: 10 Hz

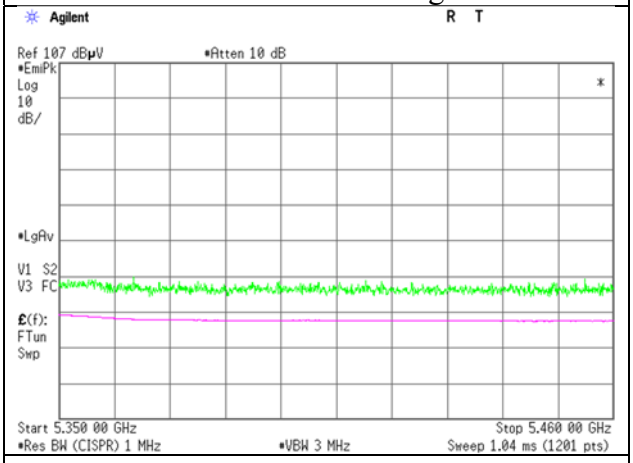
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 23, 2021
Temperature / Humidity	23 deg.C, 33 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-40 5310 MHz

Horizontal

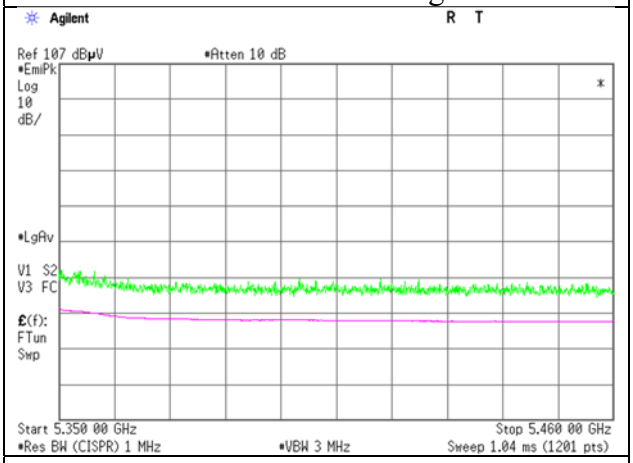
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	1	3	3	3
Date	April 23, 2021	April 24, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 33 %RH	22 deg.C, 30 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Takahiro Kawakami	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-40 5510 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	48.35	32.22	17.42	39.75	2.12	60.36	73.9	13.5	153	33	-
Hori.	11020.000	PK	52.93	37.21	9.66	42.97	-9.54	47.29	73.9	26.6	141	83	-
Hori.	22040.000	PK	42.61	40.44	14.92	47.76	-9.54	40.67	73.9	33.2	177	62	-
Hori.	5460.000	AV	35.63	32.22	17.42	39.75	2.12	47.64	53.9	6.2	153	33	VBW: 10 Hz
Hori.	11020.000	AV	39.85	37.21	9.66	42.97	-9.54	34.21	53.9	19.6	141	83	VBW: 10 Hz
Hori.	22040.000	AV	31.01	40.44	14.92	47.76	-9.54	29.07	53.9	24.8	177	62	VBW: 10 Hz
Vert.	5460.000	PK	50.08	32.22	17.42	39.75	2.12	62.09	73.9	11.8	159	96	-
Vert.	11020.000	PK	51.77	37.21	9.66	42.97	-9.54	46.13	73.9	27.7	127	156	-
Vert.	22040.000	PK	44.74	40.44	14.92	47.76	-9.54	42.80	73.9	31.1	195	284	-
Vert.	5460.000	AV	36.63	32.22	17.42	39.75	2.12	48.64	53.9	5.2	159	96	VBW: 10 Hz
Vert.	11020.000	AV	39.30	37.21	9.66	42.97	-9.54	33.66	53.9	20.2	127	156	VBW: 10 Hz
Vert.	22040.000	AV	31.80	40.44	14.92	47.76	-9.54	29.86	53.9	24.0	195	284	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	50.14	32.24	17.42	39.75	2.12	62.17	-33.06	-27.0	6.0	153	33	-
Hori.	16530.000	PK	54.41	39.86	12.17	40.32	-9.54	56.58	-38.65	-27.0	11.6	145	231	-
Vert.	5470.000	PK	51.48	32.24	17.42	39.75	2.12	63.51	-31.72	-27.0	**4.7**	159	96	-
Vert.	16530.000	PK	53.42	39.86	12.17	40.32	-9.54	55.59	-39.64	-27.0	12.6	136	159	-

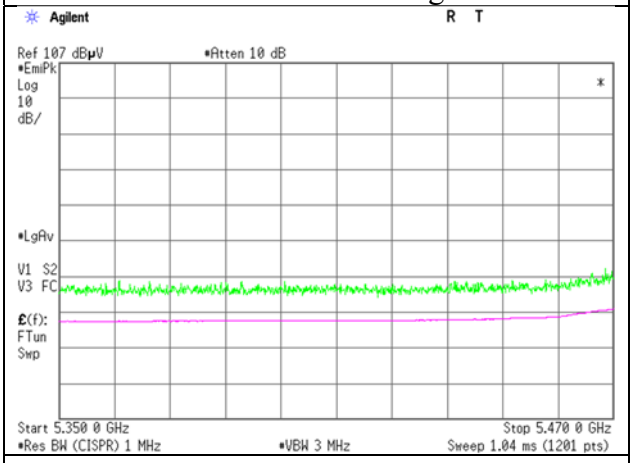
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 23, 2021
Temperature / Humidity	23 deg.C, 33 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-40 5510 MHz

Horizontal

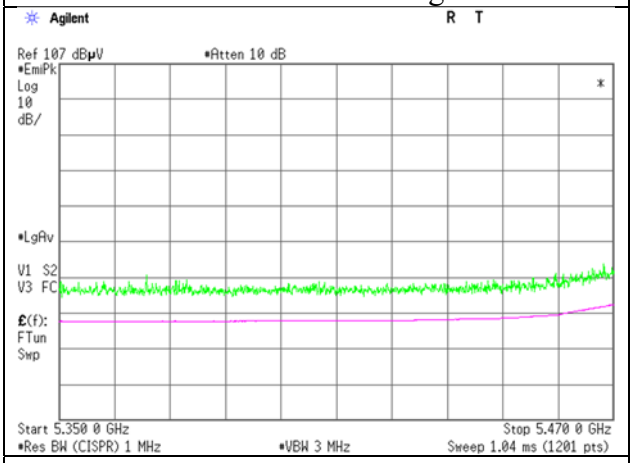
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	1	3	3	3
Date	April 23, 2021	April 25, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 33 %RH	24 deg.C, 31 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Kenichi Adachi	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-40 5550 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	11100.000	PK	52.74	37.19	9.71	42.90	-9.54	47.20	73.9	26.7	109	211	-
Hori.	22200.000	PK	44.59	40.44	14.95	47.86	-9.54	42.58	73.9	31.3	146	53	-
Hori.	11100.000	AV	42.88	37.19	9.71	42.90	-9.54	37.34	53.9	16.5	109	211	VBW: 10 Hz
Hori.	22200.000	AV	31.36	40.44	14.95	47.86	-9.54	29.35	53.9	24.5	146	53	VBW: 10 Hz
Vert.	11100.000	PK	49.58	37.19	9.71	42.90	-9.54	44.04	73.9	29.8	115	19	-
Vert.	22200.000	PK	44.23	40.44	14.95	47.86	-9.54	42.22	73.9	31.6	131	290	-
Vert.	11100.000	AV	39.86	37.19	9.71	42.90	-9.54	34.32	53.9	19.5	115	19	VBW: 10 Hz
Vert.	22200.000	AV	32.03	40.44	14.95	47.86	-9.54	30.02	53.9	23.8	131	290	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	16650.000	PK	54.24	39.57	12.26	40.33	-9.54	56.20	-39.03	-27.0	**12.0**	107	283	-
Vert.	16650.000	PK	54.22	39.57	12.26	40.33	-9.54	56.18	-39.05	-27.0	**12.0**	117	334	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	1	3	3	3
Date	April 23, 2021	April 25, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 33 %RH	24 deg.C, 31 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Kenichi Adachi	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-40 5670 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	11340.000	PK	51.42	37.62	9.82	42.70	-9.54	46.62	73.9	27.2	108	209	-
Hori.	22680.000	PK	43.46	40.34	15.07	47.76	-9.54	41.57	73.9	32.3	137	356	-
Hori.	11340.000	AV	40.44	37.62	9.82	42.70	-9.54	35.64	53.9	18.2	108	209	VBW: 10 Hz
Hori.	22680.000	AV	31.05	40.34	15.07	47.76	-9.54	29.16	53.9	24.7	137	356	VBW: 10 Hz
Vert.	11340.000	PK	48.24	37.62	9.82	42.70	-9.54	43.44	73.9	30.4	116	21	-
Vert.	22680.000	PK	44.17	40.34	15.07	47.76	-9.54	42.28	73.9	31.6	143	75	-
Vert.	11340.000	AV	37.36	37.62	9.82	42.70	-9.54	32.56	53.9	21.3	116	21	VBW: 10 Hz
Vert.	22680.000	AV	31.41	40.34	15.07	47.76	-9.54	29.52	53.9	24.3	143	75	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	47.96	32.64	17.60	39.92	2.12	60.40	-34.83	-27.0	**7.8**	139	32	-
Hori.	17010.000	PK	51.58	39.65	12.45	40.34	-9.54	53.80	-41.43	-27.0	14.4	106	281	-
Vert.	5725.000	PK	47.56	32.64	17.60	39.92	2.12	60.00	-35.23	-27.0	8.2	157	111	-
Vert.	17010.000	PK	51.44	39.65	12.45	40.34	-9.54	53.66	-41.57	-27.0	14.5	117	332	-

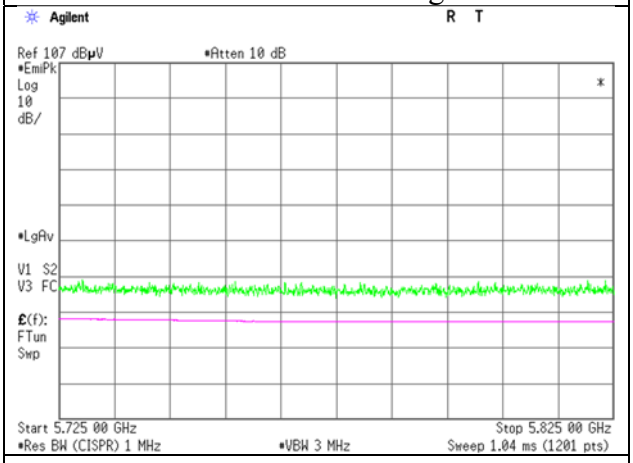
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 23, 2021
Temperature / Humidity	23 deg.C, 33 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-40 5670 MHz

Horizontal

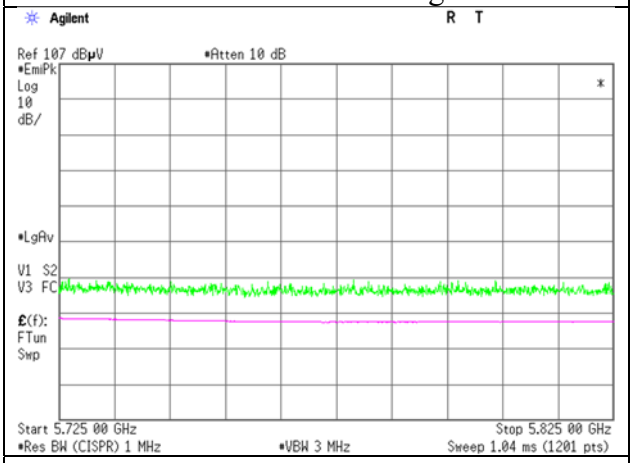
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	1	3	3	3
Date	April 23, 2021	April 25, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 33 %RH	24 deg.C, 31 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Kenichi Adachi	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-40 5755 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	11510.000	PK	50.96	37.93	9.90	42.56	-9.54	46.69	73.9	27.2	103	208	-
Hori.	23020.000	PK	44.13	40.23	15.21	47.22	-9.54	42.81	73.9	31.0	129	31	-
Hori.	11510.000	AV	41.22	37.93	9.90	42.56	-9.54	36.95	53.9	16.9	103	208	VBW: 10 Hz
Hori.	23020.000	AV	32.20	40.23	15.21	47.22	-9.54	30.88	53.9	23.0	129	31	VBW: 10 Hz
Vert.	11510.000	PK	47.82	37.93	9.90	42.56	-9.54	43.55	73.9	30.3	121	29	-
Vert.	23020.000	PK	44.01	40.23	15.21	47.22	-9.54	42.69	73.9	31.2	154	340	-
Vert.	11510.000	AV	38.11	37.93	9.90	42.56	-9.54	33.84	53.9	20.0	121	29	VBW: 10 Hz
Vert.	23020.000	AV	30.13	40.23	15.21	47.22	-9.54	28.81	53.9	25.0	154	340	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	45.81	32.44	17.55	39.86	2.12	58.06	-37.17	-27.0	10.1	150	34	-
Hori.	5700.000	PK	49.01	32.56	17.58	39.90	2.12	61.37	-33.86	10.0	43.8	150	34	-
Hori.	5720.000	PK	55.25	32.62	17.59	39.92	2.12	67.66	-27.57	15.6	43.1	150	34	-
Hori.	5725.000	PK	56.49	32.64	17.60	39.92	2.12	68.93	-26.30	27.0	53.3	150	34	-
Hori.	17265.000	PK	57.26	40.08	12.55	40.32	-9.54	60.03	-35.20	-27.0	**8.2**	101	220	-
Vert.	5650.000	PK	46.43	32.44	17.55	39.86	2.12	58.68	-36.55	-27.0	9.5	147	107	-
Vert.	5700.000	PK	47.54	32.56	17.58	39.90	2.12	59.90	-35.33	10.0	45.3	147	107	-
Vert.	5720.000	PK	56.11	32.62	17.59	39.92	2.12	68.52	-26.71	15.6	42.3	147	107	-
Vert.	5725.000	PK	57.68	32.64	17.60	39.92	2.12	70.12	-25.11	27.0	52.1	147	107	-
Vert.	17265.000	PK	55.14	40.08	12.55	40.32	-9.54	57.91	-37.32	-27.0	10.3	116	26	-

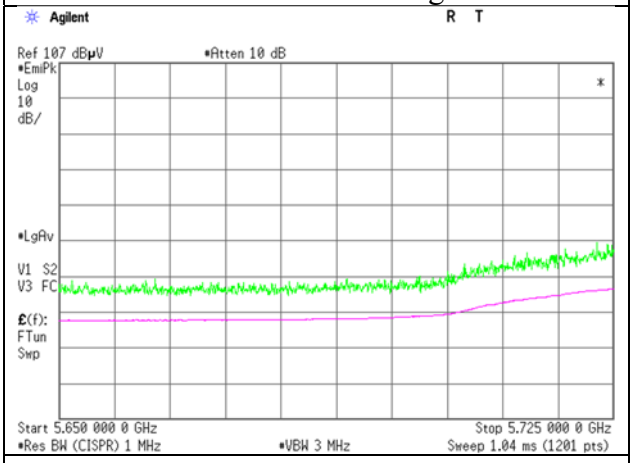
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 23, 2021
Temperature / Humidity	23 deg.C, 33 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-40 5755 MHz

Horizontal

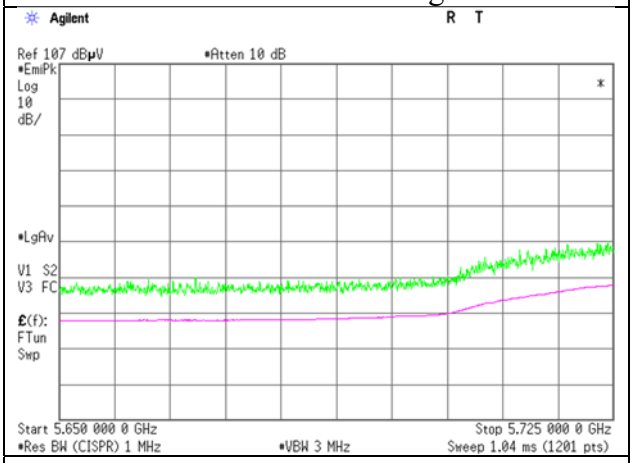
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	1	3	3	3
Date	April 23, 2021	April 25, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 33 %RH	24 deg.C, 31 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Kenichi Adachi	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-40 5795 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	11590.000	PK	49.98	37.98	9.97	42.57	-9.54	45.82	73.9	28.0	116	209	-
Hori.	11590.000	AV	40.34	37.98	9.97	42.57	-9.54	36.18	53.9	17.7	116	209	VBW: 10 Hz
Vert.	11590.000	PK	46.88	37.98	9.97	42.57	-9.54	42.72	73.9	31.1	122	31	-
Vert.	11590.000	AV	37.19	37.98	9.97	42.57	-9.54	33.03	53.9	20.8	122	31	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	47.47	32.91	17.67	40.02	2.12	60.15	-35.08	27.0	62.0	138	36	-
Hori.	5855.000	PK	47.51	32.92	17.67	40.02	2.12	60.20	-35.03	15.6	50.6	138	36	-
Hori.	5875.000	PK	46.93	32.95	17.71	40.04	2.12	59.67	-35.56	10.0	45.5	138	36	-
Hori.	5925.000	PK	46.21	32.99	17.74	40.07	2.12	58.99	-36.24	-27.0	9.2	138	36	-
Hori.	17385.000	PK	60.22	40.24	12.61	40.31	-9.54	63.22	-32.01	-27.0	**5.0**	118	204	-
Hori.	23180.000	PK	44.69	40.19	15.26	47.17	-9.54	43.43	-51.80	-27.0	24.8	229	353	-
Vert.	5850.000	PK	47.85	32.91	17.67	40.02	2.12	60.53	-34.70	27.0	61.7	149	106	-
Vert.	5855.000	PK	47.67	32.92	17.67	40.02	2.12	60.36	-34.87	15.6	50.4	149	106	-
Vert.	5875.000	PK	47.14	32.95	17.71	40.04	2.12	59.88	-35.35	10.0	45.3	149	106	-
Vert.	5925.000	PK	46.81	32.99	17.74	40.07	2.12	59.59	-35.64	-27.0	8.6	149	106	-
Vert.	17385.000	PK	58.57	40.24	12.61	40.31	-9.54	61.57	-33.66	-27.0	6.6	113	27	-
Vert.	23180.000	PK	44.86	40.19	15.26	47.17	-9.54	43.60	-51.63	-27.0	24.6	199	80	-

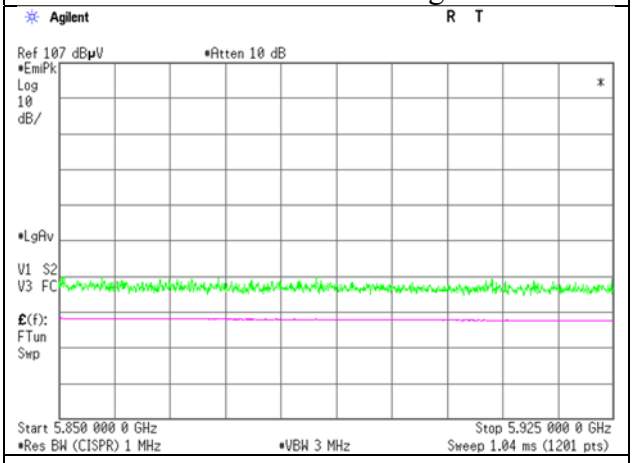
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	1
Date	April 23, 2021
Temperature / Humidity	23 deg.C, 33 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-40 5795 MHz

Horizontal

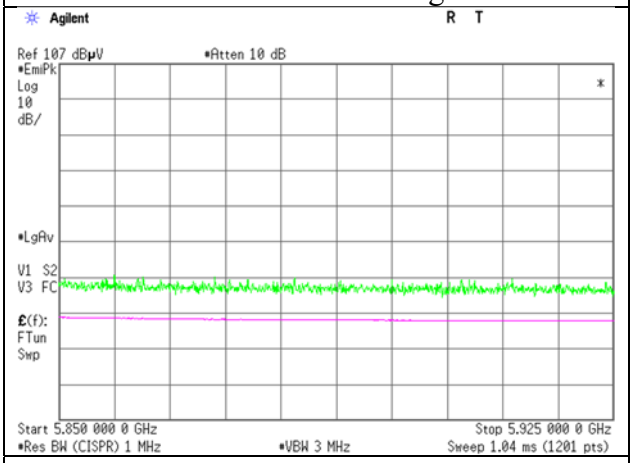
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	3	3	3	3
Date	May 10, 2021	May 9, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 40 %RH	23 deg.C, 47 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Yasumasa Owaki	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-80 5210 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	55.54	32.12	16.60	43.05	2.12	63.33	73.9	10.5	240	224	-
Hori.	15630.000	PK	49.78	39.77	11.65	40.39	-9.54	51.27	73.9	22.6	131	286	-
Hori.	20840.000	PK	44.29	40.24	14.42	47.26	-9.54	42.15	73.9	31.7	144	333	-
Hori.	5150.000	AV	43.03	32.12	16.60	43.05	2.12	50.82	53.9	3.0	240	224	VBW: 10 Hz
Hori.	15630.000	AV	38.14	39.77	11.65	40.39	-9.54	39.63	53.9	14.2	131	286	VBW: 10 Hz
Hori.	20840.000	AV	31.71	40.24	14.42	47.26	-9.54	29.57	53.9	24.3	144	333	VBW: 10 Hz
Vert.	5150.000	PK	55.45	32.12	16.60	43.05	2.12	63.24	73.9	10.6	171	276	-
Vert.	15630.000	PK	48.74	39.77	11.65	40.39	-9.54	50.23	73.9	23.6	167	121	-
Vert.	20840.000	PK	45.68	40.24	14.42	47.26	-9.54	43.54	73.9	30.3	202	358	-
Vert.	5150.000	AV	43.50	32.12	16.60	43.05	2.12	51.29	53.9	**2.6**	171	276	VBW: 10 Hz
Vert.	15630.000	AV	37.16	39.77	11.65	40.39	-9.54	38.65	53.9	15.2	167	121	VBW: 10 Hz
Vert.	20840.000	AV	31.84	40.24	14.42	47.26	-9.54	29.70	53.9	24.2	202	358	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	10420.000	PK	54.73	36.24	9.31	42.74	-9.54	48.00	-47.23	-27.0	20.2	143	273	-
Vert.	10420.000	PK	55.59	36.24	9.31	42.74	-9.54	48.86	-46.37	-27.0	19.3	125	152	-

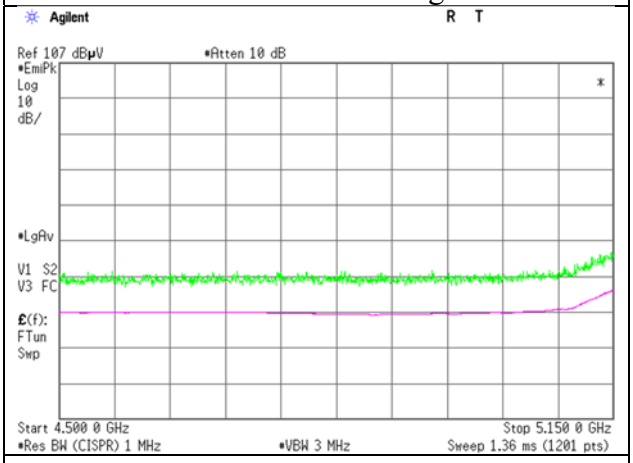
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	May 10, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-80 5210 MHz

Horizontal

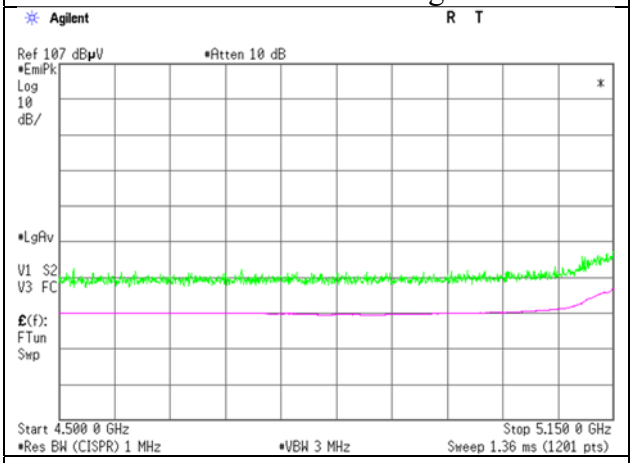
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	3	3	3	3
Date	May 10, 2021	May 9, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 40 %RH	23 deg.C, 47 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Yasumasa Owaki	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-80 5290 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	55.04	31.83	16.74	43.26	2.12	62.47	73.9	11.4	231	224	-
Hori.	21160.000	PK	43.44	40.21	14.54	47.22	-9.54	41.43	73.9	32.4	194	7	-
Hori.	5350.000	AV	42.14	31.83	16.74	43.26	2.12	49.57	53.9	**4.3**	231	224	VBW: 10 Hz
Hori.	21160.000	AV	30.67	40.21	14.54	47.22	-9.54	28.66	53.9	25.2	194	7	VBW: 10 Hz
Vert.	5350.000	PK	54.80	31.83	16.74	43.26	2.12	62.23	73.9	11.6	149	266	-
Vert.	21160.000	PK	43.11	40.21	14.54	47.22	-9.54	41.10	73.9	32.8	153	315	-
Vert.	5350.000	AV	42.16	31.83	16.74	43.26	2.12	49.59	53.9	**4.3**	149	266	VBW: 10 Hz
Vert.	21160.000	AV	31.07	40.21	14.54	47.22	-9.54	29.06	53.9	24.8	153	315	VBW: 10 Hz

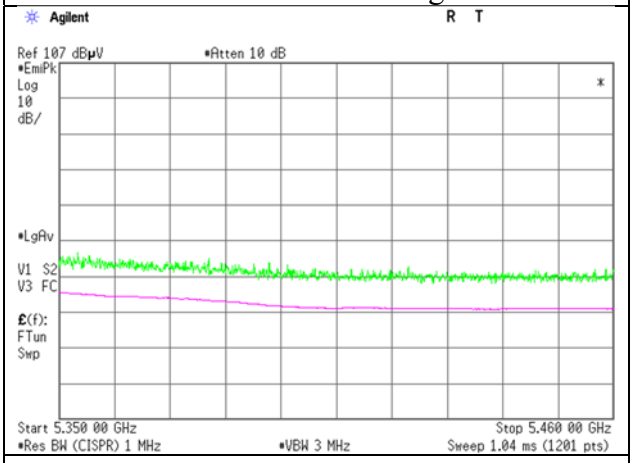
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	May 10, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-80 5290 MHz

Horizontal

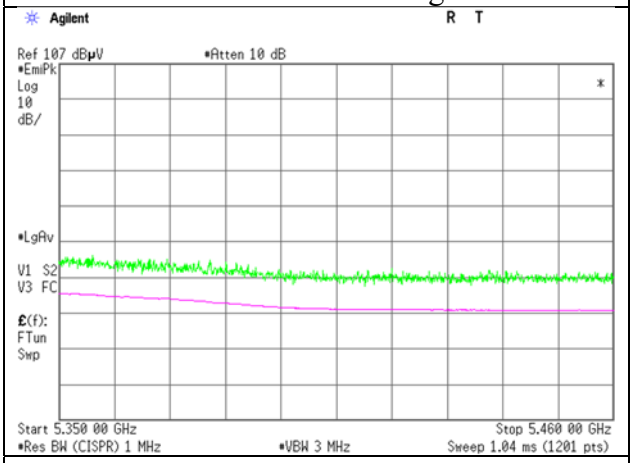
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	3	3	3	3
Date	May 10, 2021	May 9, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 40 %RH	23 deg.C, 47 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Yasumasa Owaki	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-80 5530 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	54.86	32.30	16.82	43.38	2.12	62.72	73.9	11.1	203	224	-
Hori.	11060.000	PK	49.79	37.20	9.56	42.94	-9.54	44.07	73.9	29.8	145	261	-
Hori.	22120.000	PK	43.42	40.45	14.93	47.81	-9.54	41.45	73.9	32.4	179	126	-
Hori.	5460.000	AV	41.96	32.30	16.82	43.38	2.12	49.82	53.9	4.0	203	224	VBW: 10 Hz
Hori.	11060.000	AV	40.14	37.20	9.56	42.94	-9.54	34.42	53.9	19.4	145	261	VBW: 10 Hz
Hori.	22120.000	AV	30.96	40.45	14.93	47.81	-9.54	28.99	53.9	24.9	179	126	VBW: 10 Hz
Vert.	5460.000	PK	54.58	32.30	16.82	43.38	2.12	62.44	73.9	11.4	168	293	-
Vert.	11060.000	PK	51.00	37.20	9.56	42.94	-9.54	45.28	73.9	28.6	128	267	-
Vert.	22120.000	PK	44.94	40.45	14.93	47.81	-9.54	42.97	73.9	30.9	187	278	-
Vert.	5460.000	AV	42.17	32.30	16.82	43.38	2.12	50.03	53.9	**3.8**	168	293	VBW: 10 Hz
Vert.	11060.000	AV	40.37	37.20	9.56	42.94	-9.54	34.65	53.9	19.2	128	267	VBW: 10 Hz
Vert.	22120.000	AV	31.37	40.45	14.93	47.81	-9.54	29.40	53.9	24.5	187	278	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	54.83	32.33	16.82	43.39	2.12	62.71	-32.52	-27.0	5.5	203	224	-
Hori.	16590.000	PK	50.61	39.71	12.36	40.32	-9.54	52.82	-42.41	-27.0	15.4	132	224	-
Vert.	5470.000	PK	55.20	32.33	16.82	43.39	2.12	63.08	-32.15	-27.0	5.1	168	293	-
Vert.	16590.000	PK	49.85	39.71	12.36	40.32	-9.54	52.06	-43.17	-27.0	16.1	247	320	-

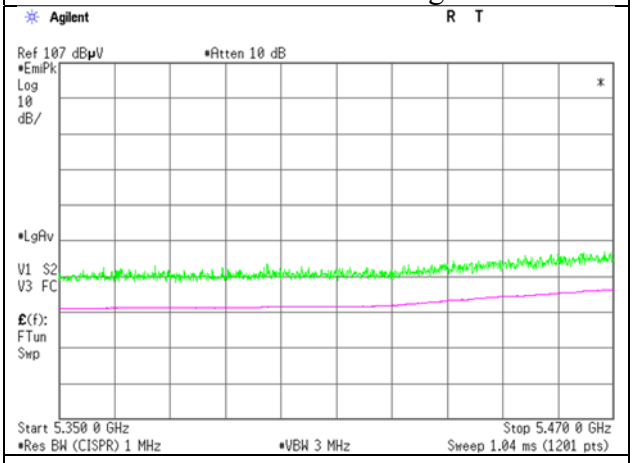
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	May 10, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-80 5530 MHz

Horizontal

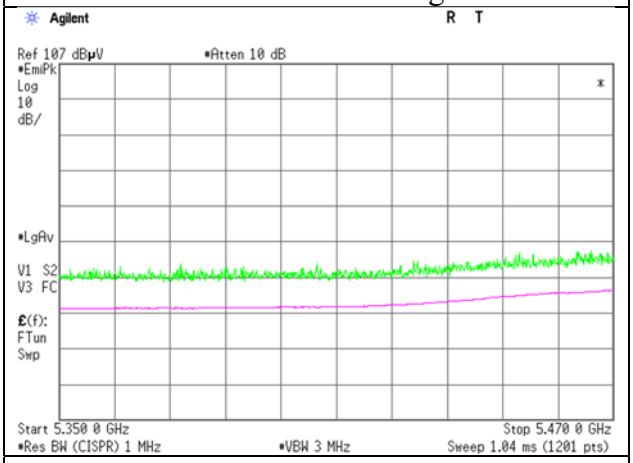
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	3	3	3	3
Date	May 10, 2021	May 9, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 40 %RH	23 deg.C, 47 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Yasumasa Owaki	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-80 5610 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	11220.000	PK	51.09	37.30	9.66	42.80	-9.54	45.71	73.9	28.1	165	261	-
Hori.	22440.000	PK	43.34	40.43	14.99	48.02	-9.54	41.20	73.9	32.7	104	243	-
Hori.	11220.000	AV	40.11	37.30	9.66	42.80	-9.54	34.73	53.9	19.1	165	261	VBW: 10 Hz
Hori.	22440.000	AV	31.16	40.43	14.99	48.02	-9.54	29.02	53.9	24.8	104	243	VBW: 10 Hz
Vert.	11220.000	PK	50.76	37.30	9.66	42.80	-9.54	45.38	73.9	28.5	175	266	-
Vert.	22440.000	PK	43.79	40.43	14.99	48.02	-9.54	41.65	73.9	32.2	182	312	-
Vert.	11220.000	AV	40.59	37.30	9.66	42.80	-9.54	35.21	53.9	18.6	175	266	VBW: 10 Hz
Vert.	22440.000	AV	31.63	40.43	14.99	48.02	-9.54	29.49	53.9	24.4	182	312	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	50.61	32.68	16.99	43.42	2.12	58.98	-36.25	-27.0	**9.2**	202	224	-
Hori.	16830.000	PK	51.97	39.45	12.47	40.33	-9.54	54.02	-41.21	-27.0	14.2	133	218	-
Vert.	5725.000	PK	50.13	32.68	16.99	43.42	2.12	58.50	-36.73	-27.0	9.7	166	291	-
Vert.	16830.000	PK	49.35	39.45	12.47	40.33	-9.54	51.40	-43.83	-27.0	16.8	246	319	-

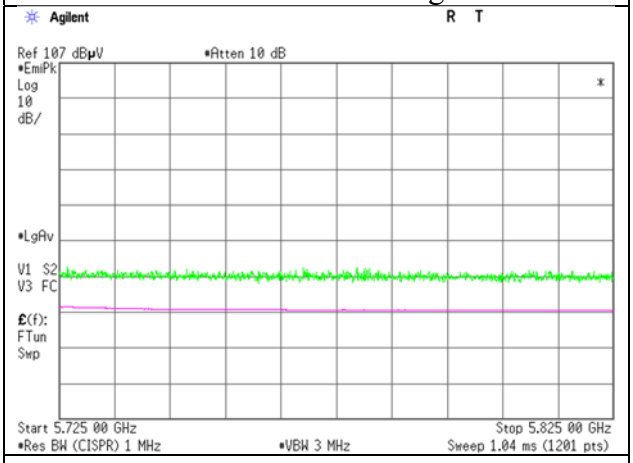
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	May 10, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-80 5610 MHz

Horizontal

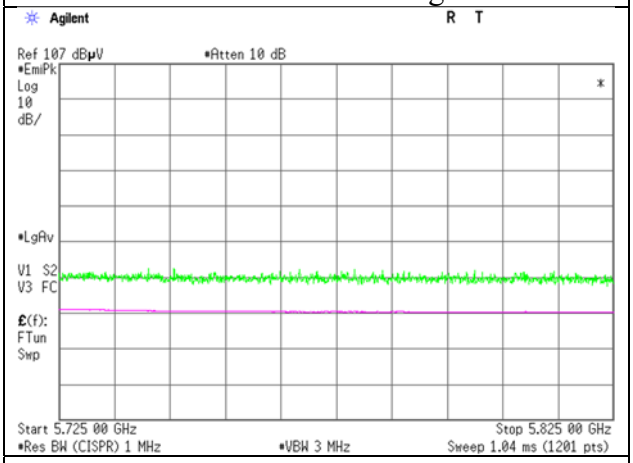
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	3	3	3	3
Date	May 10, 2021	May 9, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 40 %RH	23 deg.C, 47 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Yosuke Murakami	Yasumasa Owaki	Takahiro Kawakami	Toshinori Yamada
	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11ac-80 5775 MHz			

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	11550.000	PK	49.39	37.97	9.87	42.56	-9.54	45.13	73.9	28.7	140	278	-
Hori.	23100.000	PK	44.97	40.21	15.24	47.20	-9.54	43.68	73.9	30.2	125	10	-
Hori.	11550.000	AV	37.28	37.97	9.87	42.56	-9.54	33.02	53.9	20.8	140	278	VBW: 10 Hz
Hori.	23100.000	AV	32.81	40.21	15.24	47.20	-9.54	31.52	53.9	22.3	125	10	VBW: 10 Hz
Vert.	11550.000	PK	48.20	37.97	9.87	42.56	-9.54	43.94	73.9	29.9	129	346	-
Vert.	23100.000	PK	45.63	40.21	15.24	47.20	-9.54	44.34	73.9	29.5	174	342	-
Vert.	11550.000	AV	36.61	37.97	9.87	42.56	-9.54	32.35	53.9	21.5	129	346	VBW: 10 Hz
Vert.	23100.000	AV	32.93	40.21	15.24	47.20	-9.54	31.64	53.9	22.2	174	342	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	51.85	32.49	16.95	43.42	2.12	59.99	-35.24	-27.0	**8.2**	215	226	-
Hori.	5700.000	PK	56.27	32.60	16.97	43.42	2.12	64.54	-30.69	10.0	40.6	215	226	-
Hori.	5720.000	PK	57.45	32.66	16.98	43.42	2.12	65.79	-29.44	15.6	45.0	215	226	-
Hori.	5725.000	PK	58.97	32.68	16.99	43.42	2.12	67.34	-27.89	27.0	54.8	215	226	-
Hori.	5850.000	PK	53.19	33.07	17.05	43.43	2.12	62.00	-33.23	27.0	60.2	215	226	-
Hori.	5855.000	PK	53.34	33.08	17.05	43.43	2.12	62.16	-33.07	15.6	48.6	215	226	-
Hori.	5875.000	PK	51.44	33.12	17.10	43.43	2.12	60.35	-34.88	10.0	44.8	215	226	-
Hori.	5925.000	PK	49.36	33.21	17.12	43.43	2.12	58.38	-36.85	-27.0	9.8	215	226	-
Hori.	17325.000	PK	55.14	40.10	12.58	40.31	-9.54	57.97	-37.26	-27.0	10.2	144	221	-
Vert.	5650.000	PK	51.57	32.49	16.95	43.42	2.12	59.71	-35.52	-27.0	8.5	151	270	-
Vert.	5700.000	PK	56.42	32.60	16.97	43.42	2.12	64.69	-30.54	10.0	40.5	151	270	-
Vert.	5720.000	PK	56.75	32.66	16.98	43.42	2.12	65.09	-30.14	15.6	45.7	151	270	-
Vert.	5725.000	PK	58.03	32.68	16.99	43.42	2.12	66.40	-28.83	27.0	55.8	151	270	-
Vert.	5850.000	PK	52.23	33.07	17.05	43.43	2.12	61.04	-34.19	27.0	61.1	151	270	-
Vert.	5855.000	PK	52.19	33.08	17.05	43.43	2.12	61.01	-34.22	15.6	49.8	151	270	-
Vert.	5875.000	PK	51.20	33.12	17.10	43.43	2.12	60.11	-35.12	10.0	45.1	151	270	-
Vert.	5925.000	PK	50.92	33.21	17.12	43.43	2.12	59.94	-35.29	-27.0	**8.2**	151	270	-
Vert.	17325.000	PK	53.06	40.10	12.58	40.31	-9.54	55.89	-39.34	-27.0	12.3	152	161	-

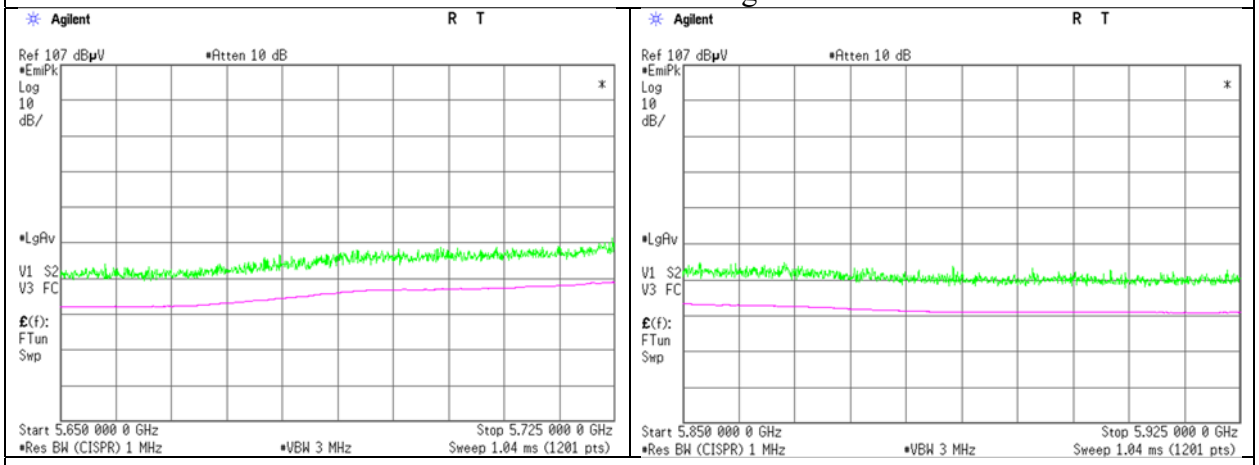
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	May 10, 2021
Temperature / Humidity	23 deg.C, 40 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-80 5775 MHz

Horizontal

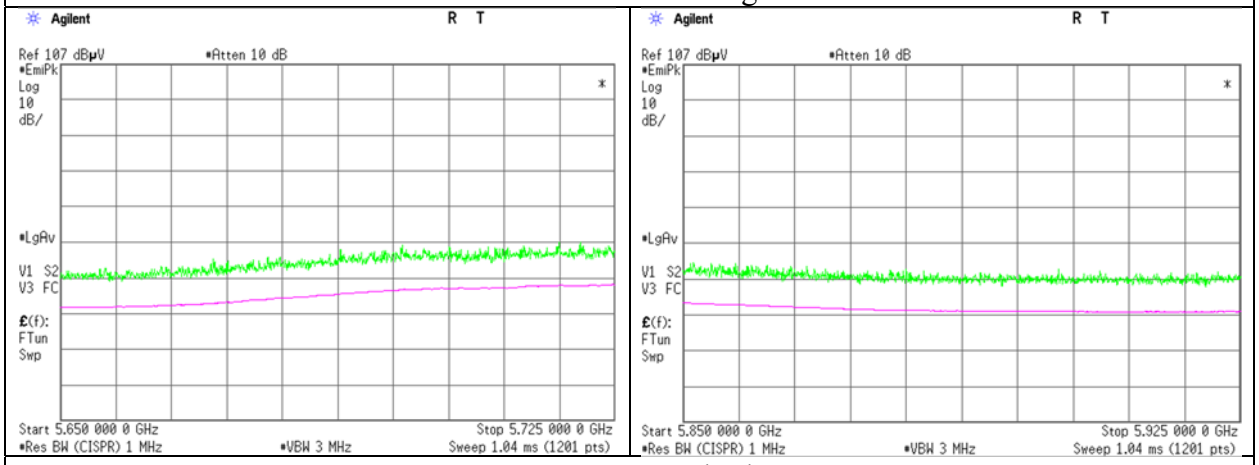
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
	(1 GHz - 6.4 GHz)
Mode	Tx 11a 5180 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	51.72	31.84	17.06	43.05	2.12	59.69	73.9	14.2	285	51	-
Hori.	5150.000	AV	37.84	31.84	17.06	43.05	2.12	45.81	53.9	8.0	285	51	VBW: 10 Hz
Vert.	5150.000	PK	54.02	31.84	17.06	43.05	2.12	61.99	73.9	11.9	194	110	-
Vert.	5150.000	AV	39.02	31.84	17.06	43.05	2.12	46.99	53.9	**6.9**	194	110	VBW: 10 Hz

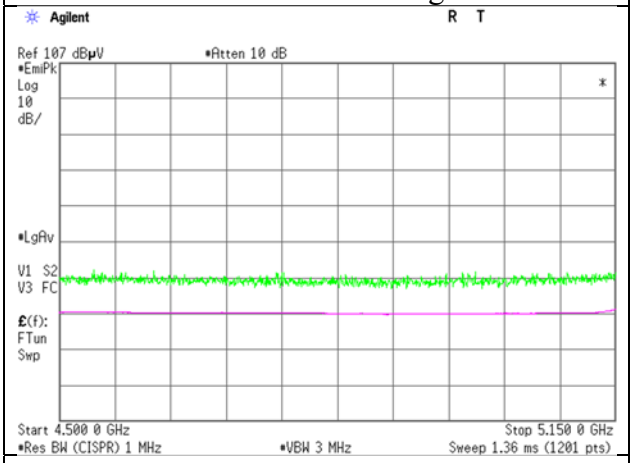
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
Mode	Tx 11a 5180 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

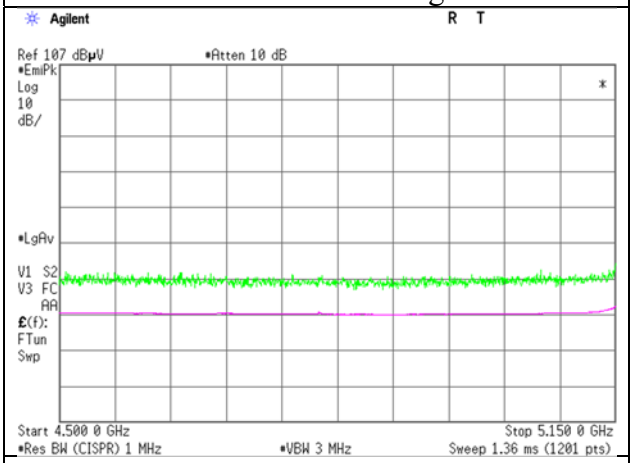
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
	(1 GHz - 6.4 GHz)
Mode	Tx 11a 5320 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	51.26	31.60	17.20	43.26	2.12	58.92	73.9	14.9	217	51	-
Hori.	5350.000	AV	38.02	31.60	17.20	43.26	2.12	45.68	53.9	8.2	217	51	VBW: 10 Hz
Vert.	5350.000	PK	52.08	31.60	17.20	43.26	2.12	59.74	73.9	14.1	190	115	-
Vert.	5350.000	AV	38.81	31.60	17.20	43.26	2.12	46.47	53.9	**7.4**	190	115	VBW: 10 Hz

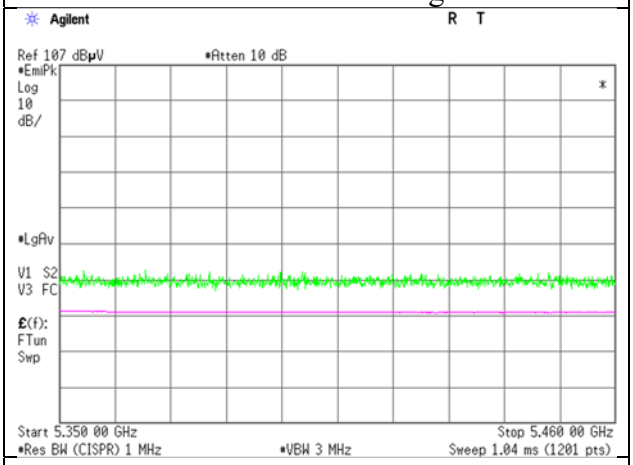
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
Mode	Tx 11a 5320 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

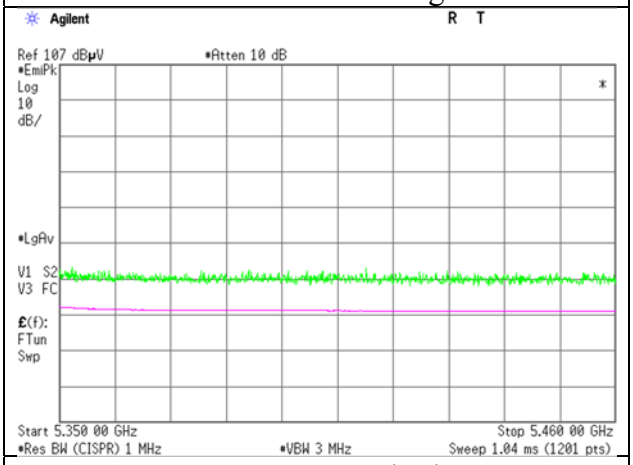
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
	(1 GHz - 6.4 GHz)
Mode	Tx 11a 5500 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	51.05	31.81	17.26	43.38	2.12	58.86	73.9	15.0	214	51	-
Hori.	5460.000	AV	37.85	31.81	17.26	43.38	2.12	45.66	53.9	8.2	214	51	VBW: 10 Hz
Vert.	5460.000	PK	51.04	31.81	17.26	43.38	2.12	58.85	73.9	15.0	152	114	-
Vert.	5460.000	AV	38.04	31.81	17.26	43.38	2.12	45.85	53.9	8.0	152	114	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	51.79	31.82	17.27	43.39	2.12	59.61	-35.62	-27.0	8.6	214	51	-
Vert.	5470.000	PK	52.51	31.82	17.27	43.39	2.12	60.33	-34.90	-27.0	**7.9**	152	114	-

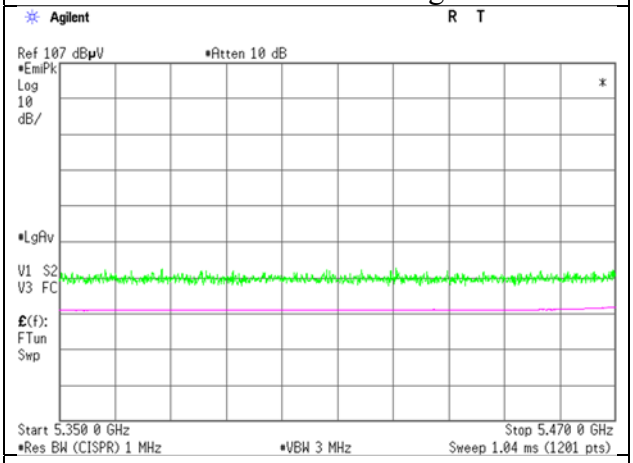
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
Mode	Tx 11a 5500 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

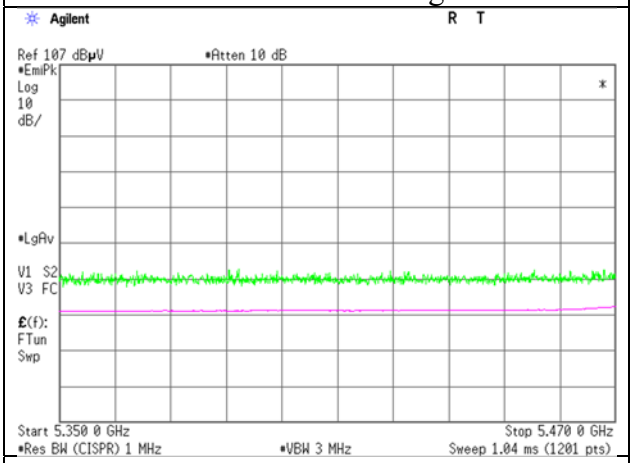
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
	(1 GHz - 6.4 GHz)
Mode	Tx 11a 5700 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	51.21	31.98	17.41	43.42	2.12	59.30	-35.93	-27.0	8.9	238	55	-
Vert.	5725.000	PK	51.79	31.98	17.41	43.42	2.12	59.88	-35.35	-27.0	**8.3**	234	139	-

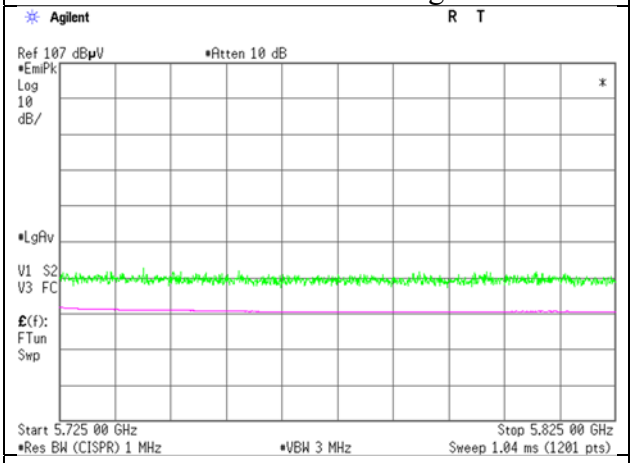
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
Mode	Tx 11a 5700 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

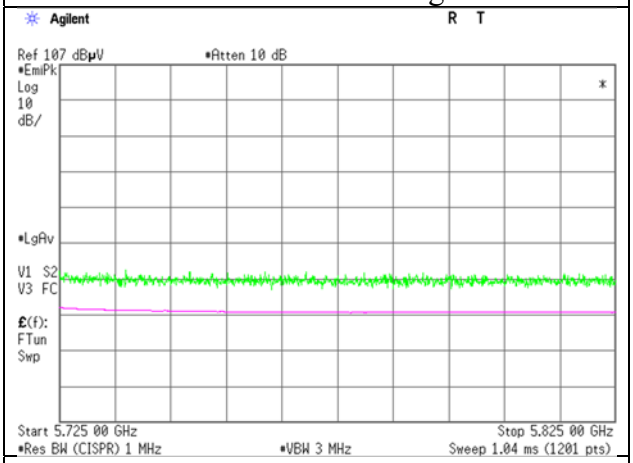
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
	(1 GHz - 6.4 GHz)
Mode	Tx 11a 5745 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	50.19	31.83	17.38	43.42	2.12	58.10	-37.13	-27.0	10.1	245	58	-
Hori.	5700.000	PK	50.86	31.92	17.40	43.42	2.12	58.88	-36.35	10.0	46.3	245	58	-
Hori.	5720.000	PK	51.83	31.96	17.41	43.42	2.12	59.90	-35.33	15.6	50.9	245	58	-
Hori.	5725.000	PK	54.80	31.98	17.41	43.42	2.12	62.89	-32.34	27.0	59.3	245	58	-
Vert.	5650.000	PK	50.35	31.83	17.38	43.42	2.12	58.26	-36.97	-27.0	**9.9**	138	104	-
Vert.	5700.000	PK	50.68	31.92	17.40	43.42	2.12	58.70	-36.53	10.0	46.5	138	104	-
Vert.	5720.000	PK	52.92	31.96	17.41	43.42	2.12	60.99	-34.24	15.6	49.8	138	104	-
Vert.	5725.000	PK	56.96	31.98	17.41	43.42	2.12	65.05	-30.18	27.0	57.1	138	104	-

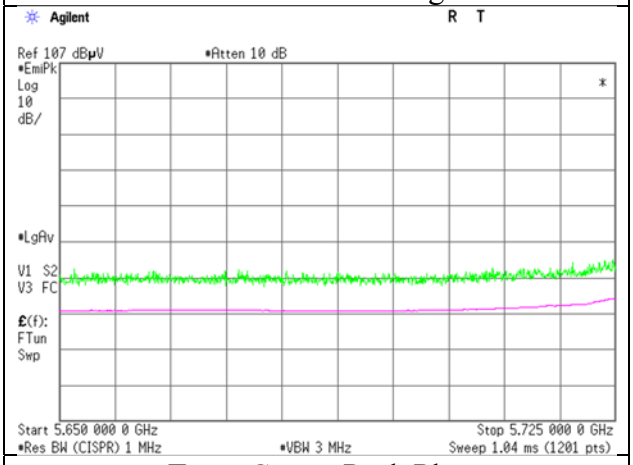
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
Mode	Tx 11a 5745 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

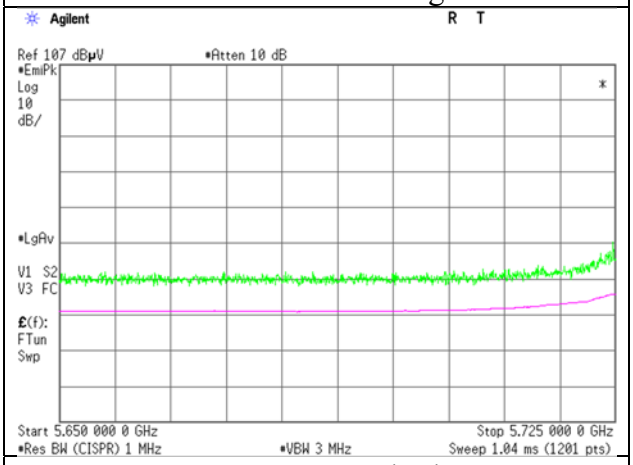
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
	(1 GHz - 6.4 GHz)
Mode	Tx 11a 5825 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	51.24	32.27	17.49	43.43	2.12	59.69	-35.54	27.0	62.5	108	69	-
Hori.	5855.000	PK	51.00	32.28	17.49	43.43	2.12	59.46	-35.77	15.6	51.3	108	69	-
Hori.	5875.000	PK	50.21	32.31	17.52	43.43	2.12	58.73	-36.50	10.0	46.5	108	69	-
Hori.	5925.000	PK	49.86	32.36	17.54	43.43	2.12	58.45	-36.78	-27.0	9.7	108	69	-
Vert.	5850.000	PK	55.08	32.27	17.49	43.43	2.12	63.53	-31.70	27.0	58.7	138	98	-
Vert.	5855.000	PK	52.77	32.28	17.49	43.43	2.12	61.23	-34.00	15.6	49.6	138	98	-
Vert.	5875.000	PK	51.74	32.31	17.52	43.43	2.12	60.26	-34.97	10.0	44.9	138	98	-
Vert.	5925.000	PK	51.58	32.36	17.54	43.43	2.12	60.17	-35.06	-27.0	**8.0**	138	98	-

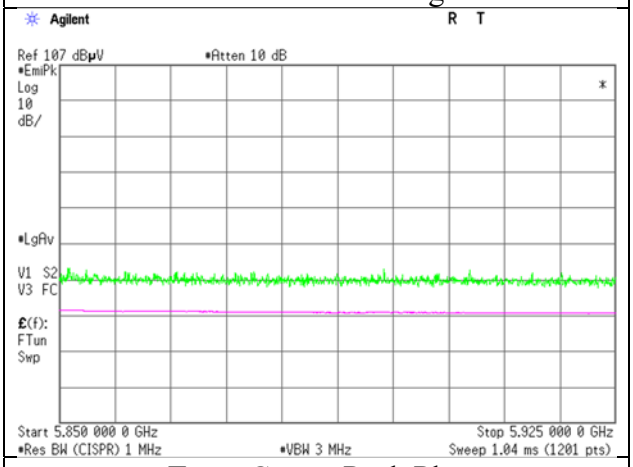
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
Mode	Tx 11a 5825 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

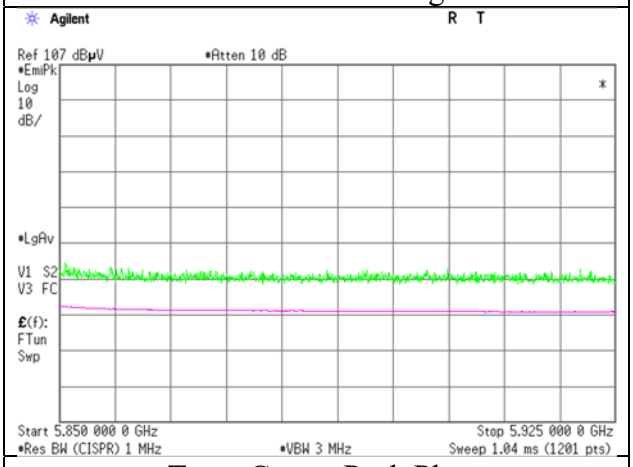
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-20 5180 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	51.50	31.84	17.06	43.05	2.12	59.47	73.9	14.4	234	54	-
Hori.	5150.000	AV	38.04	31.84	17.06	43.05	2.12	46.01	53.9	7.8	234	54	VBW: 10 Hz
Vert.	5150.000	PK	53.14	31.84	17.06	43.05	2.12	61.11	73.9	12.7	188	115	-
Vert.	5150.000	AV	39.19	31.84	17.06	43.05	2.12	47.16	53.9	**6.7**	188	115	VBW: 10 Hz

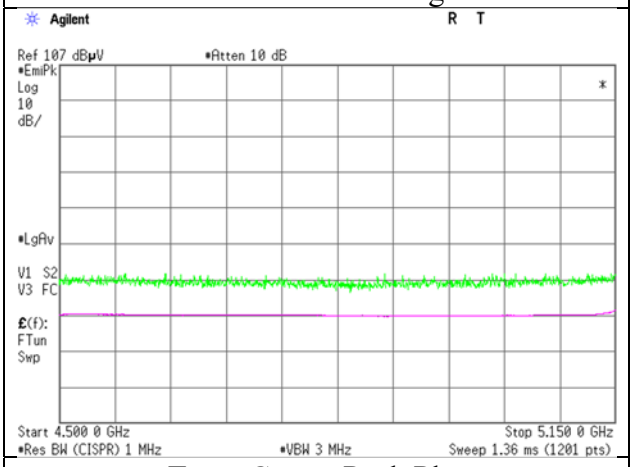
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
Mode	Tx 11n-20 5180 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

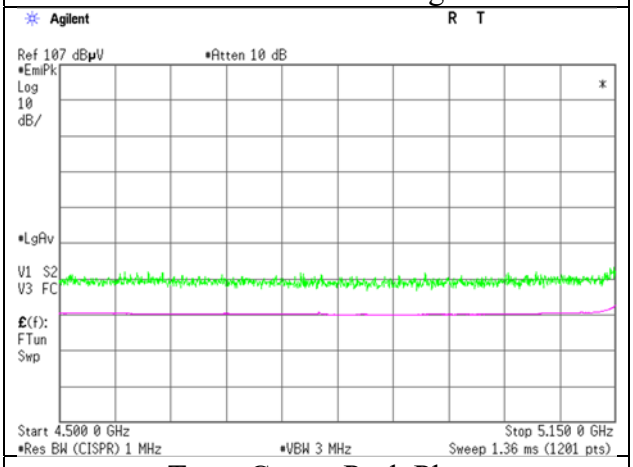
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-20 5320 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	51.17	31.60	17.20	43.26	2.12	58.83	73.9	15.0	217	51	-
Hori.	5350.000	AV	38.31	31.60	17.20	43.26	2.12	45.97	53.9	7.9	217	51	VBW: 10 Hz
Vert.	5350.000	PK	52.49	31.60	17.20	43.26	2.12	60.15	73.9	13.7	193	116	-
Vert.	5350.000	AV	39.30	31.60	17.20	43.26	2.12	46.96	53.9	**6.9**	193	116	VBW: 10 Hz

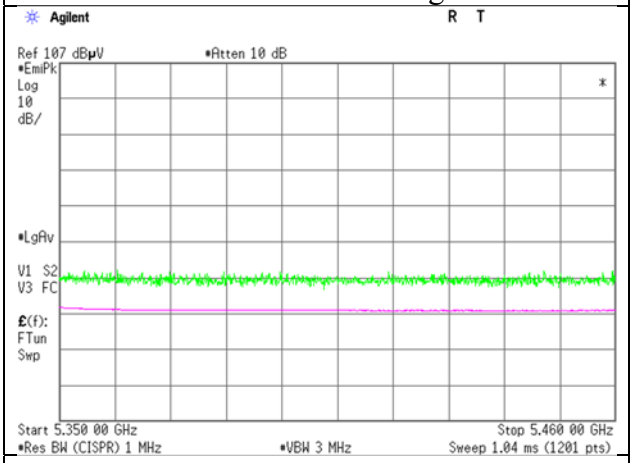
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
Mode	Tx 11n-20 5320 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

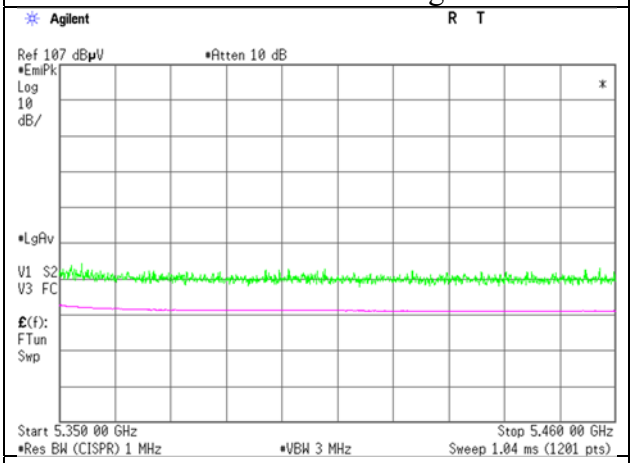
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-20 5500 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	50.69	31.81	17.26	43.38	2.12	58.50	73.9	15.4	221	52	-
Hori.	5460.000	AV	37.97	31.81	17.26	43.38	2.12	45.78	53.9	8.1	221	52	VBW: 10 Hz
Vert.	5460.000	PK	51.55	31.81	17.26	43.38	2.12	59.36	73.9	14.5	179	109	-
Vert.	5460.000	AV	38.47	31.81	17.26	43.38	2.12	46.28	53.9	7.6	179	109	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	52.24	31.82	17.27	43.39	2.12	60.06	-35.17	-27.0	8.1	221	52	-
Vert.	5470.000	PK	53.38	31.82	17.27	43.39	2.12	61.20	-34.03	-27.0	**7.0**	179	109	-

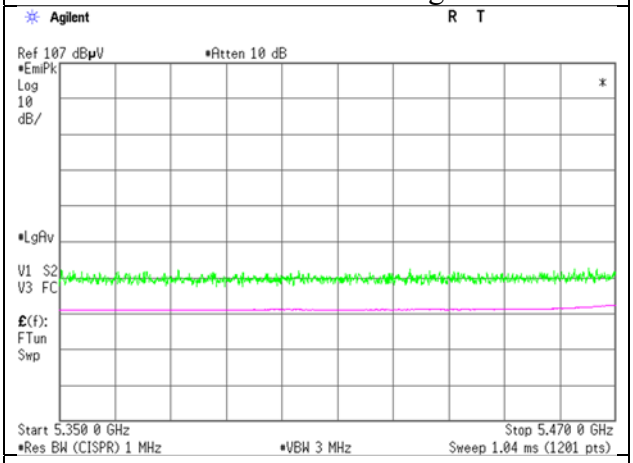
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
Mode	Tx 11n-20 5500 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

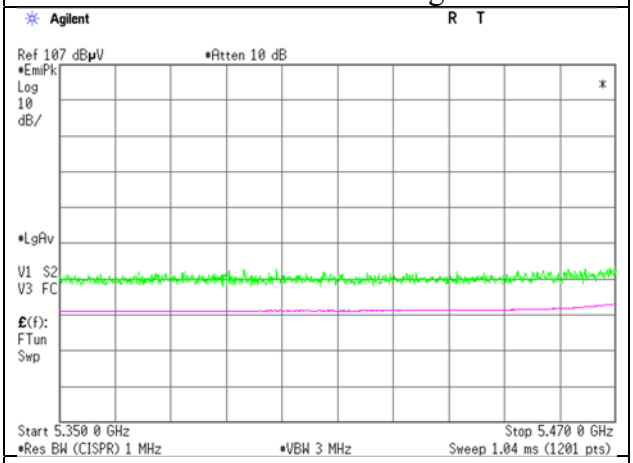
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	3	3	3	3
Date	May 12, 2021	June 16, 2021	June 18, 2021	June 21, 2021
Temperature / Humidity	23 deg.C, 45 %RH	23 deg.C, 54 %RH	21 deg.C, 58 %RH	23 deg.C, 50 %RH
Engineer	Toshinori Yamada	Toshinori Yamada	Shunsaku Yumi	Yosuke Matsuzawa
	(30 MHz - 1 GHz)	(1 GHz - 6.4 GHz)	(6.4 GHz -10 GHz)	(10 GHz -40 GHz)
Mode	Tx 11n-20 5700 MHz + Tx BT LE 2 M PHY 2402 MHz			

(below 1 GHz and above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	202.045	QP	38.00	16.77	8.02	32.05	0.00	30.74	43.5	12.7	166	278	-
Hori.	250.408	QP	41.30	17.48	8.30	31.98	0.00	35.10	46.0	10.9	142	254	-
Hori.	356.242	QP	40.30	14.94	8.86	31.92	0.00	32.18	46.0	13.8	124	107	-
Hori.	367.981	QP	37.80	15.29	8.91	31.93	0.00	30.07	46.0	15.9	128	153	-
Hori.	712.488	QP	37.50	20.54	10.33	31.81	0.00	36.56	46.0	9.4	148	219	-
Hori.	11400.000	PK	54.55	37.76	9.72	42.65	-9.54	49.84	73.9	24.0	153	226	-
Hori.	22800.000	PK	44.00	40.31	15.11	47.56	-9.54	42.32	73.9	31.5	150	0	-
Hori.	11400.000	AV	41.73	37.76	9.72	42.65	-9.54	37.02	53.9	16.8	153	226	-
Hori.	22800.000	AV	31.17	40.31	15.11	47.56	-9.54	29.49	53.9	24.4	150	0	-
Vert.	61.557	QP	30.30	7.89	6.52	32.16	0.00	12.55	40.0	27.4	100	4	-
Vert.	128.603	QP	31.10	13.87	7.37	32.11	0.00	20.23	43.5	23.2	100	330	-
Vert.	277.389	QP	34.50	18.41	8.45	31.98	0.00	29.38	46.0	16.6	100	292	-
Vert.	367.927	QP	37.90	15.29	8.91	31.93	0.00	30.17	46.0	15.8	100	295	-
Vert.	712.488	QP	36.90	20.54	10.33	31.81	0.00	35.96	46.0	10.0	138	122	-
Vert.	11400.000	PK	51.65	37.76	9.72	42.65	-9.54	46.94	73.9	26.9	166	267	-
Vert.	22800.000	PK	44.16	40.31	15.11	47.56	-9.54	42.48	73.9	31.4	150	0	-
Vert.	11400.000	AV	40.07	37.76	9.72	42.65	-9.54	35.36	53.9	18.5	166	267	-
Vert.	22800.000	AV	31.28	40.31	15.11	47.56	-9.54	29.60	53.9	24.3	150	0	-

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	52.14	31.98	17.41	43.42	2.12	60.23	-35.00	-27.0	8.0	103	66	-
Hori.	17100.000	PK	62.11	39.77	12.49	40.33	-9.54	64.50	-30.73	-27.0	**3.7**	153	226	-
Vert.	5725.000	PK	52.80	31.98	17.41	43.42	2.12	60.89	-34.34	-27.0	7.3	232	139	-
Vert.	17100.000	PK	58.78	39.77	12.49	40.33	-9.54	61.17	-34.06	-27.0	7.0	135	19	-

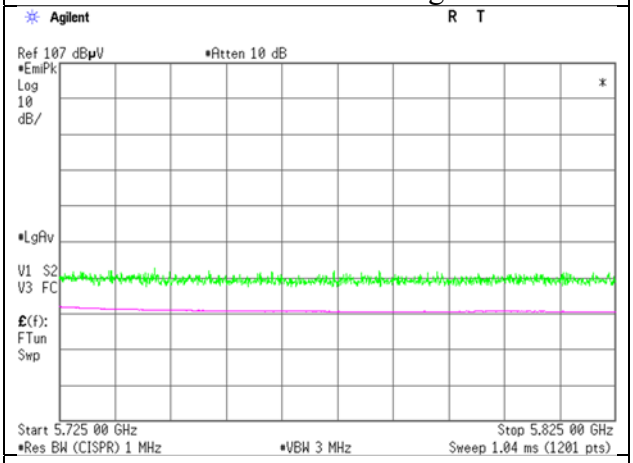
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 16, 2021
Temperature / Humidity	23 deg.C, 54 %RH
Engineer	Toshinori Yamada
Mode	Tx 11n-20 5700 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

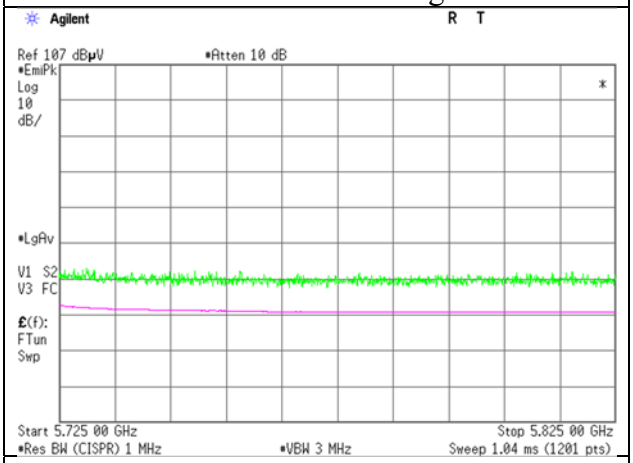
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-20 5745 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.96	32.49	17.38	43.42	2.12	58.53	-36.70	-27.0	9.7	112	64	-
Hori.	5700.000	PK	50.90	32.60	17.40	43.42	2.12	59.60	-35.63	10.0	45.6	112	64	-
Hori.	5720.000	PK	52.28	32.66	17.41	43.42	2.12	61.05	-34.18	15.6	49.7	112	64	-
Hori.	5725.000	PK	56.27	32.68	17.41	43.42	2.12	65.06	-30.17	27.0	57.1	112	64	-
Vert.	5650.000	PK	51.16	32.49	17.38	43.42	2.12	59.73	-35.50	-27.0	**8.5**	175	108	-
Vert.	5700.000	PK	51.46	32.60	17.40	43.42	2.12	60.16	-35.07	10.0	45.0	175	108	-
Vert.	5720.000	PK	54.75	32.66	17.41	43.42	2.12	63.52	-31.71	15.6	47.3	175	108	-
Vert.	5725.000	PK	58.84	32.68	17.41	43.42	2.12	67.63	-27.60	27.0	54.6	175	108	-

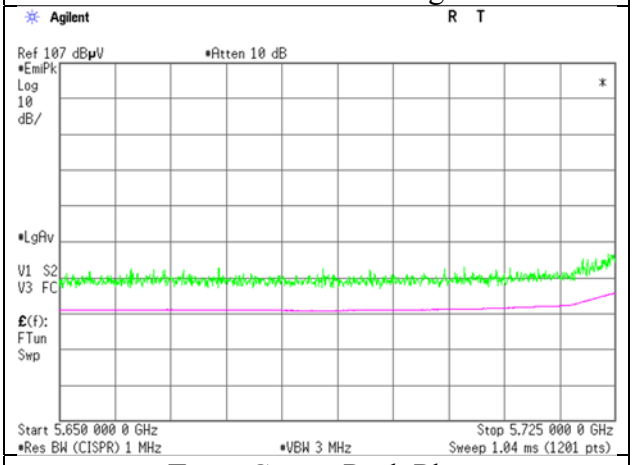
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-20 5745 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

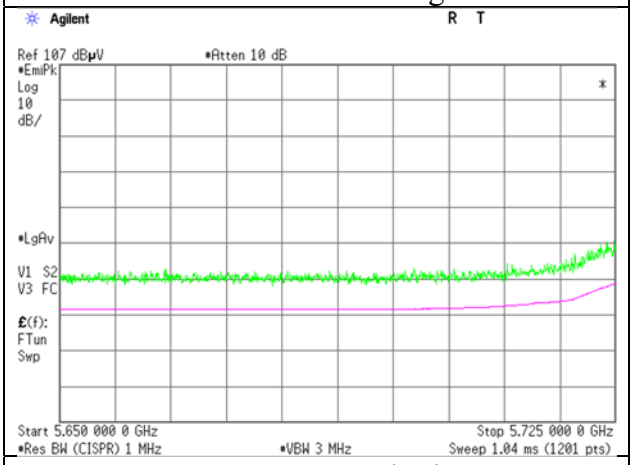
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-20 5825 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	53.63	33.07	17.49	43.43	2.12	62.88	-32.35	27.0	59.3	107	59	-
Hori.	5855.000	PK	51.75	33.08	17.49	43.43	2.12	61.01	-34.22	15.6	49.8	107	59	-
Hori.	5875.000	PK	50.36	33.12	17.52	43.43	2.12	59.69	-35.54	10.0	45.5	107	59	-
Hori.	5925.000	PK	49.50	33.21	17.54	43.43	2.12	58.94	-36.29	-27.0	9.2	107	59	-
Vert.	5850.000	PK	54.83	33.07	17.49	43.43	2.12	64.08	-31.15	27.0	58.1	161	84	-
Vert.	5855.000	PK	53.60	33.08	17.49	43.43	2.12	62.86	-32.37	15.6	47.9	161	84	-
Vert.	5875.000	PK	50.96	33.12	17.52	43.43	2.12	60.29	-34.94	10.0	44.9	161	84	-
Vert.	5925.000	PK	50.48	33.21	17.54	43.43	2.12	59.92	-35.31	-27.0	**8.3**	161	84	-

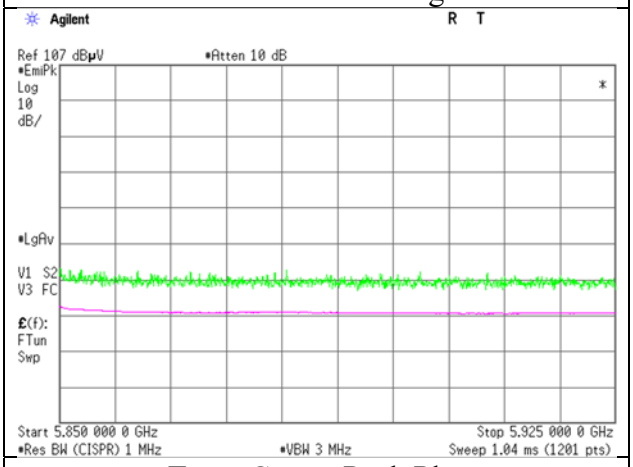
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-20 5825 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

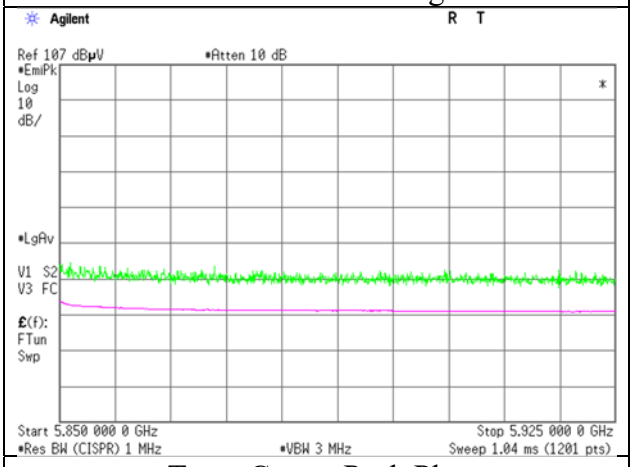
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-20 5180 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	51.11	32.12	17.06	43.05	2.12	59.36	73.9	14.5	105	53	-
Hori.	5150.000	AV	38.33	32.12	17.06	43.05	2.12	46.58	53.9	7.3	105	53	VBW: 10 Hz
Vert.	5150.000	PK	51.73	32.12	17.06	43.05	2.12	59.98	73.9	13.9	174	100	-
Vert.	5150.000	AV	39.44	32.12	17.06	43.05	2.12	47.69	53.9	**6.2**	174	100	VBW: 10 Hz

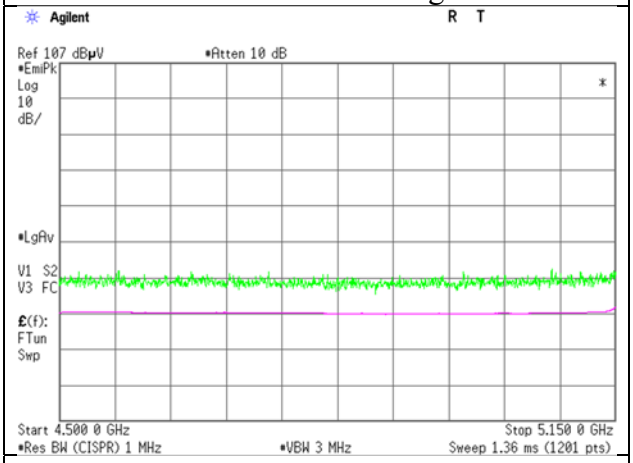
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20 5180 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

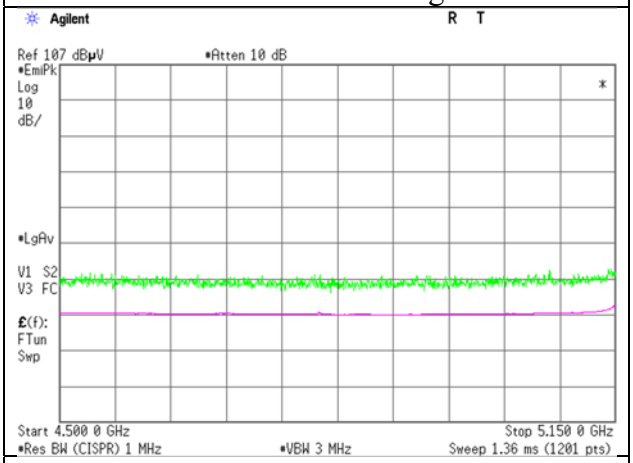
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-20 5320 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	50.94	31.83	17.20	43.26	2.12	58.83	73.9	15.0	114	56	-
Hori.	5350.000	AV	38.57	31.83	17.20	43.26	2.12	46.46	53.9	7.4	114	56	VBW: 10 Hz
Vert.	5350.000	PK	52.10	31.83	17.20	43.26	2.12	59.99	73.9	13.9	174	99	-
Vert.	5350.000	AV	39.27	31.83	17.20	43.26	2.12	47.16	53.9	**6.7**	174	99	VBW: 10 Hz

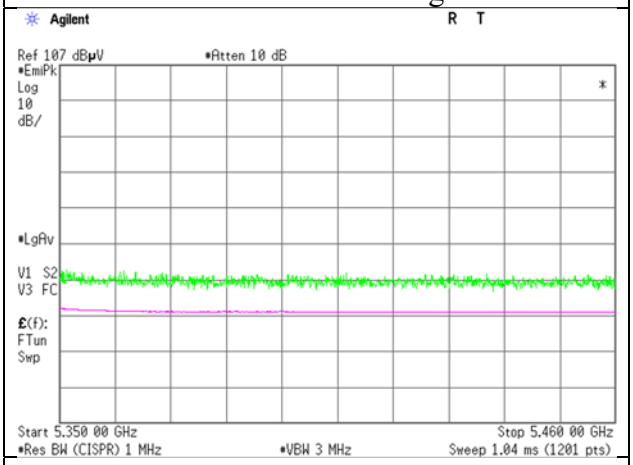
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20 5320 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

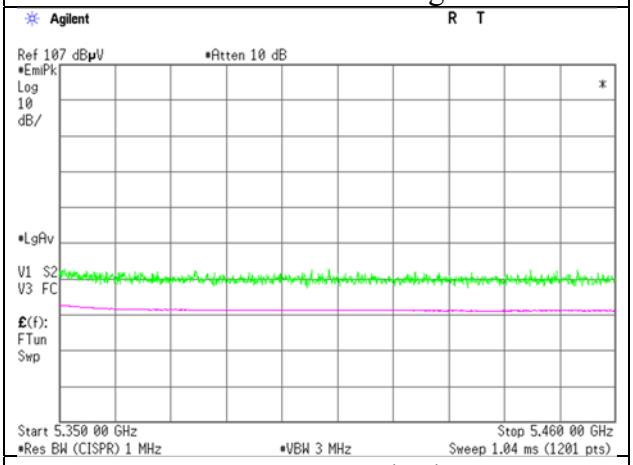
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-20 5500 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	50.00	32.30	17.26	43.38	2.12	58.30	73.9	15.6	113	57	-
Hori.	5460.000	AV	38.08	32.30	17.26	43.38	2.12	46.38	53.9	7.5	113	57	VBW: 10 Hz
Vert.	5460.000	PK	51.10	32.30	17.26	43.38	2.12	59.40	73.9	14.5	167	98	-
Vert.	5460.000	AV	38.35	32.30	17.26	43.38	2.12	46.65	53.9	**7.2**	167	98	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	50.64	32.33	17.27	43.39	2.12	58.97	-36.26	-27.0	9.2	113	57	-
Vert.	5470.000	PK	52.04	32.33	17.27	43.39	2.12	60.37	-34.86	-27.0	7.8	167	98	-

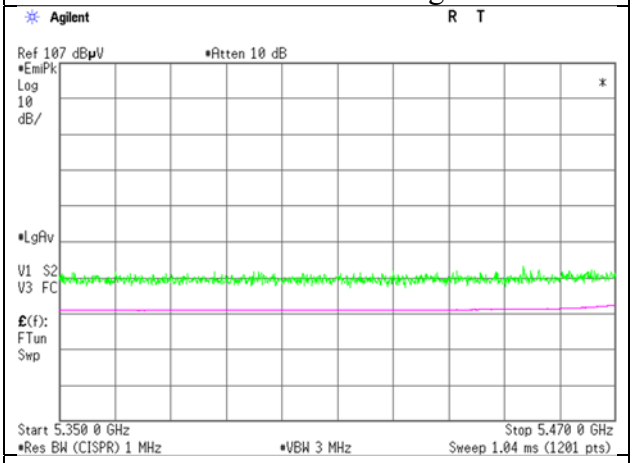
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20 5500 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

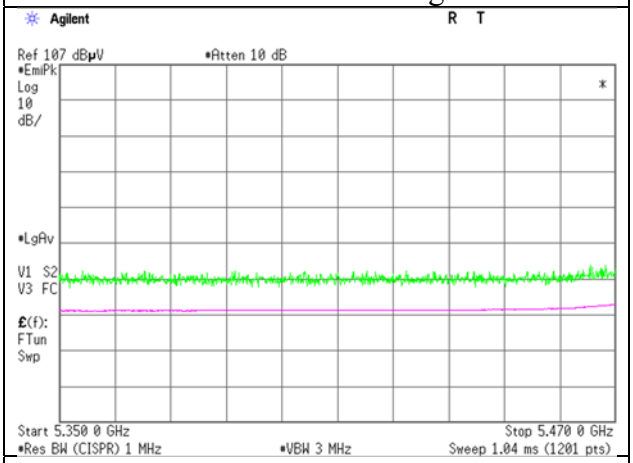
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-20 5700 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	51.21	32.68	17.41	43.42	2.12	60.00	-35.23	-27.0	8.2	140	57	-
Vert.	5725.000	PK	51.44	32.68	17.41	43.42	2.12	60.23	-35.00	-27.0	**8.0**	186	100	-

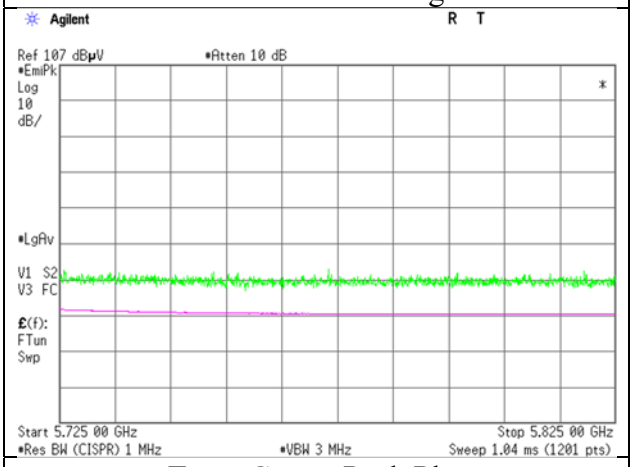
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20 5700 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

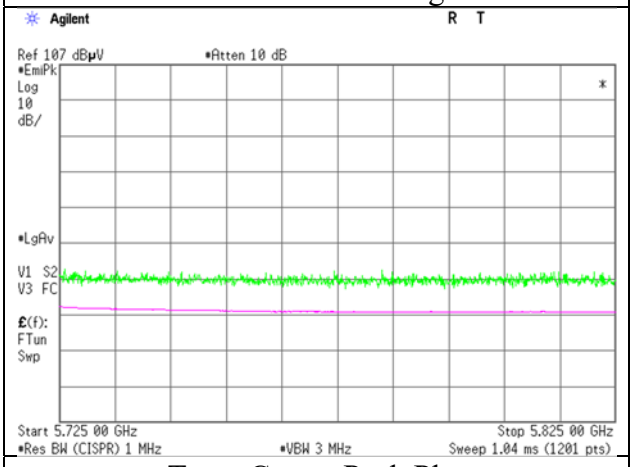
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-20 5745 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.93	32.49	17.38	43.42	2.12	58.50	-36.73	-27.0	9.7	136	57	-
Hori.	5700.000	PK	50.41	32.60	17.40	43.42	2.12	59.11	-36.12	10.0	46.1	136	57	-
Hori.	5720.000	PK	52.95	32.66	17.41	43.42	2.12	61.72	-33.51	15.6	49.1	136	57	-
Hori.	5725.000	PK	54.17	32.68	17.41	43.42	2.12	62.96	-32.27	27.0	59.2	136	57	-
Vert.	5650.000	PK	50.22	32.49	17.38	43.42	2.12	58.79	-36.44	-27.0	**9.4**	208	114	-
Vert.	5700.000	PK	50.83	32.60	17.40	43.42	2.12	59.53	-35.70	10.0	45.7	208	114	-
Vert.	5720.000	PK	54.91	32.66	17.41	43.42	2.12	63.68	-31.55	15.6	47.1	208	114	-
Vert.	5725.000	PK	56.55	32.68	17.41	43.42	2.12	65.34	-29.89	27.0	56.8	208	114	-

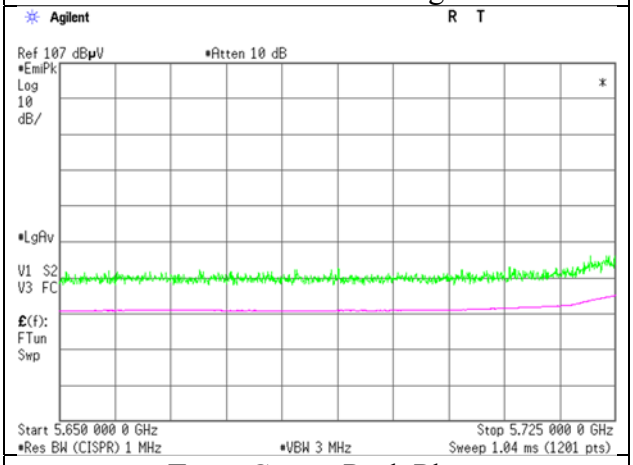
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20 5745 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

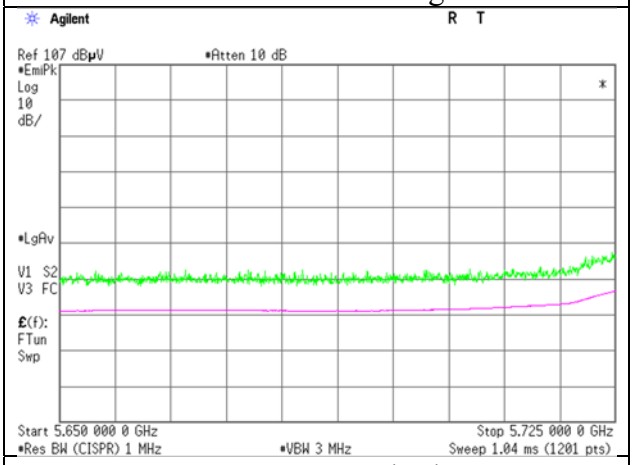
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-20 5825 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	54.57	33.07	17.49	43.43	2.12	63.82	-31.41	27.0	58.4	107	56	-
Hori.	5855.000	PK	51.45	33.08	17.49	43.43	2.12	60.71	-34.52	15.6	50.1	107	56	-
Hori.	5875.000	PK	49.69	33.12	17.52	43.43	2.12	59.02	-36.21	10.0	46.2	107	56	-
Hori.	5925.000	PK	49.11	33.21	17.54	43.43	2.12	58.55	-36.68	-27.0	9.6	107	56	-
Vert.	5850.000	PK	56.95	33.07	17.49	43.43	2.12	66.20	-29.03	27.0	56.0	161	98	-
Vert.	5855.000	PK	51.99	33.08	17.49	43.43	2.12	61.25	-33.98	15.6	49.5	161	98	-
Vert.	5875.000	PK	50.75	33.12	17.52	43.43	2.12	60.08	-35.15	10.0	45.1	161	98	-
Vert.	5925.000	PK	49.65	33.21	17.54	43.43	2.12	59.09	-36.14	-27.0	**9.1**	161	98	-

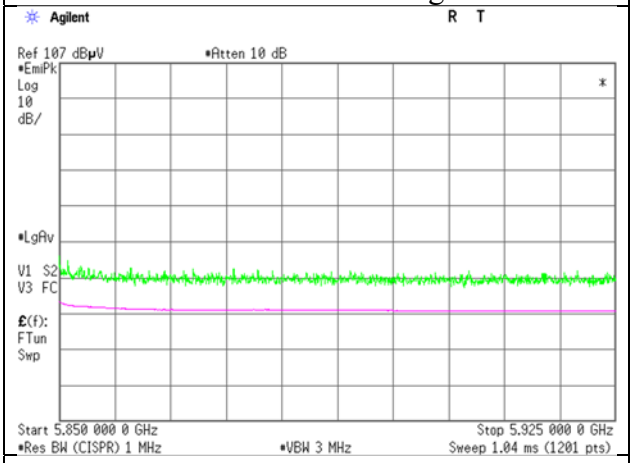
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
Mode	Tx 11ac-20 5825 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

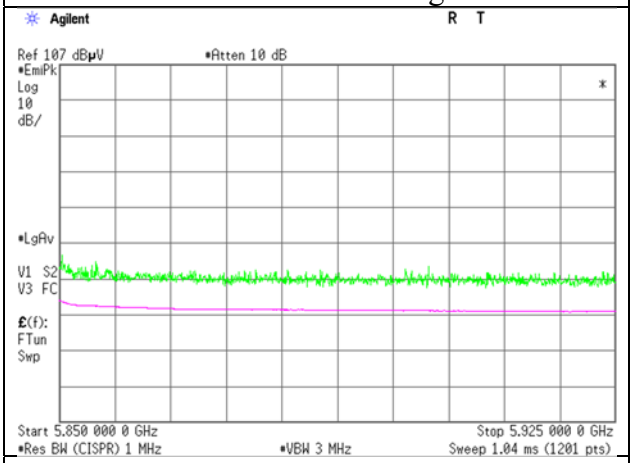
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-40 5190 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	52.75	32.12	17.06	43.05	2.12	61.00	73.9	12.9	101	51	-
Hori.	5150.000	AV	39.88	32.12	17.06	43.05	2.12	48.13	53.9	5.7	101	51	VBW: 10 Hz
Vert.	5150.000	PK	54.80	32.12	17.06	43.05	2.12	63.05	73.9	10.8	207	103	-
Vert.	5150.000	AV	41.90	32.12	17.06	43.05	2.12	50.15	53.9	**3.7**	207	103	VBW: 10 Hz

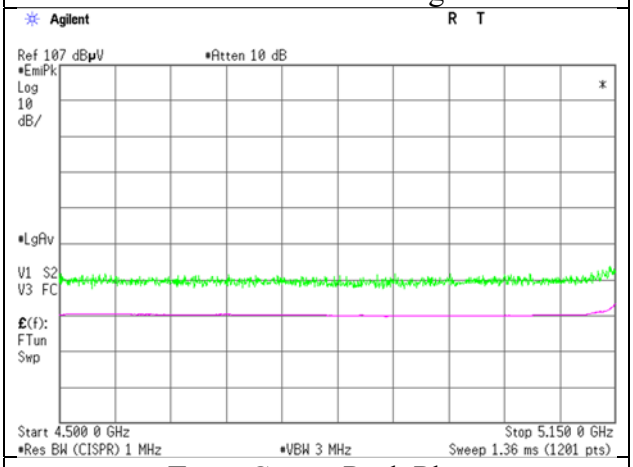
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-40 5190 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

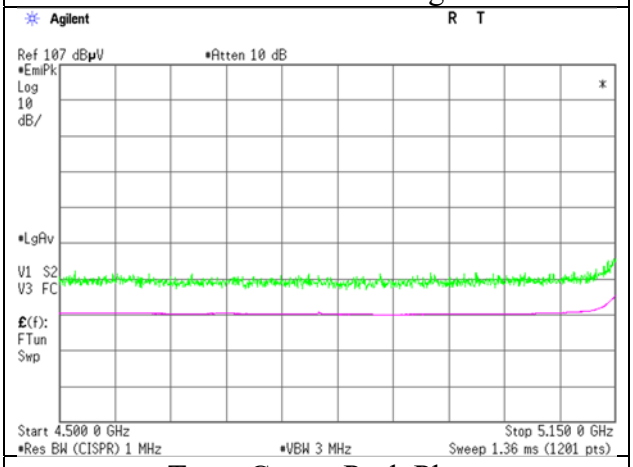
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-40 5310 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	51.68	31.83	17.20	43.26	2.12	59.57	73.9	14.3	104	53	-
Hori.	5350.000	AV	39.44	31.83	17.20	43.26	2.12	47.33	53.9	6.5	104	53	VBW: 10 Hz
Vert.	5350.000	PK	53.01	31.83	17.20	43.26	2.12	60.90	73.9	13.0	180	95	-
Vert.	5350.000	AV	40.65	31.83	17.20	43.26	2.12	48.54	53.9	**5.3**	180	95	VBW: 10 Hz

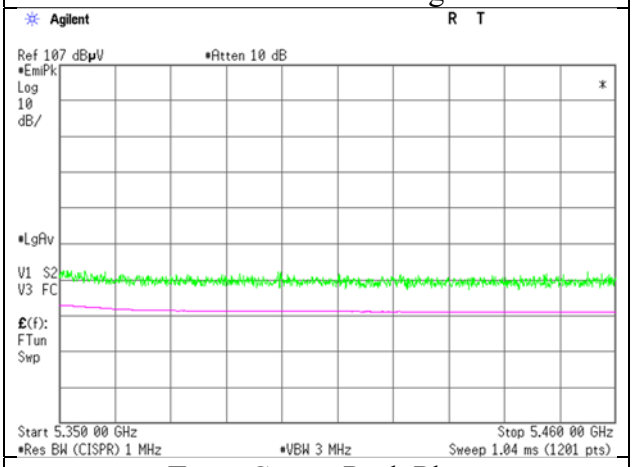
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-40 5310 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

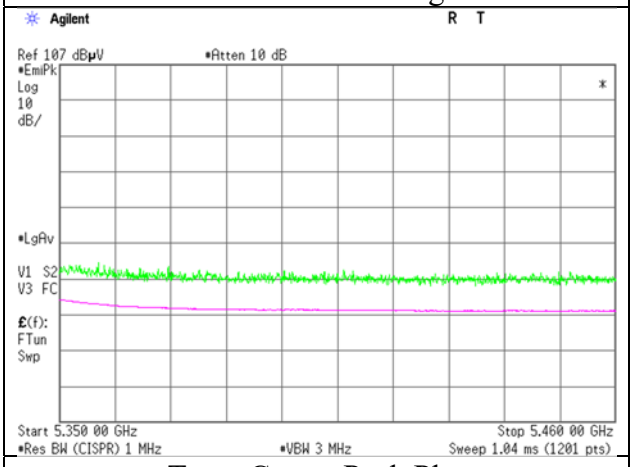
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-40 5510 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	51.69	32.30	17.26	43.38	2.12	59.99	73.9	13.9	102	54	-
Hori.	5460.000	AV	39.22	32.30	17.26	43.38	2.12	47.52	53.9	6.3	102	54	VBW: 10 Hz
Vert.	5460.000	PK	53.03	32.30	17.26	43.38	2.12	61.33	73.9	12.5	194	105	-
Vert.	5460.000	AV	40.10	32.30	17.26	43.38	2.12	48.40	53.9	5.5	194	105	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	53.37	32.33	17.27	43.39	2.12	61.70	-33.53	-27.0	6.5	102	54	-
Vert.	5470.000	PK	54.45	32.33	17.27	43.39	2.12	62.78	-32.45	-27.0	**5.4**	194	105	-

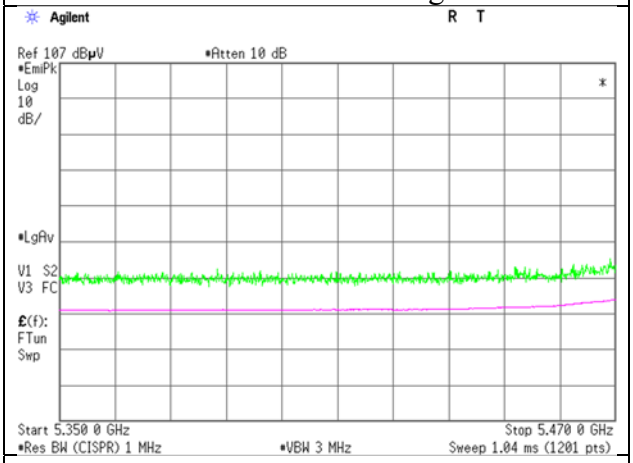
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-40 5510 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

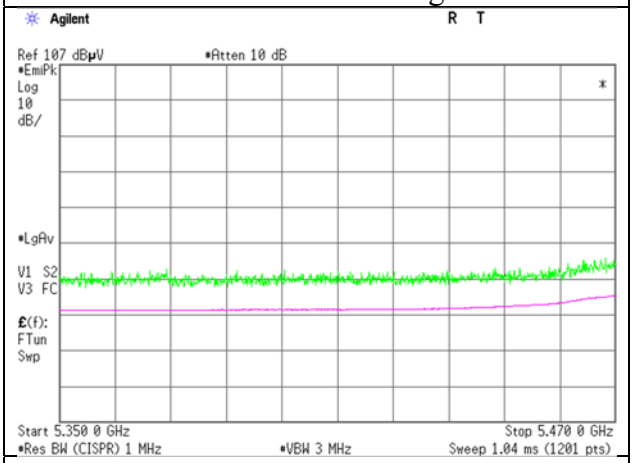
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-40 5670 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	52.63	32.68	17.41	43.42	2.12	61.42	-33.81	-27.0	**6.8**	138	56	-
Vert.	5725.000	PK	51.71	32.68	17.41	43.42	2.12	60.50	-34.73	-27.0	7.7	186	104	-

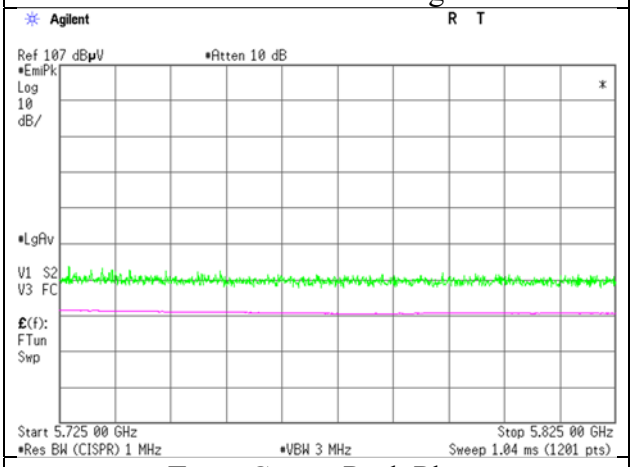
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 17, 2021
Temperature / Humidity	24 deg.C, 53 %RH
Engineer	Yosuke Murakami
Mode	Tx 11n-40 5670 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

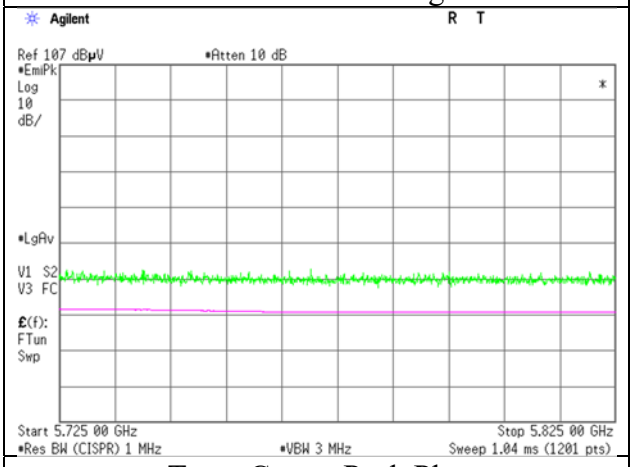
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-40 5755 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.10	32.49	17.38	43.42	2.12	57.67	-37.56	-27.0	10.5	115	69	-
Hori.	5700.000	PK	50.52	32.60	17.40	43.42	2.12	59.22	-36.01	10.0	46.0	115	69	-
Hori.	5720.000	PK	55.95	32.66	17.41	43.42	2.12	64.72	-30.51	15.6	46.1	115	69	-
Hori.	5725.000	PK	56.86	32.68	17.41	43.42	2.12	65.65	-29.58	27.0	56.5	115	69	-
Vert.	5650.000	PK	50.27	32.49	17.38	43.42	2.12	58.84	-36.39	-27.0	**9.3**	178	108	-
Vert.	5700.000	PK	51.87	32.60	17.40	43.42	2.12	60.57	-34.66	10.0	44.6	178	108	-
Vert.	5720.000	PK	58.20	32.66	17.41	43.42	2.12	66.97	-28.26	15.6	43.8	178	108	-
Vert.	5725.000	PK	61.20	32.68	17.41	43.42	2.12	69.99	-25.24	27.0	52.2	178	108	-

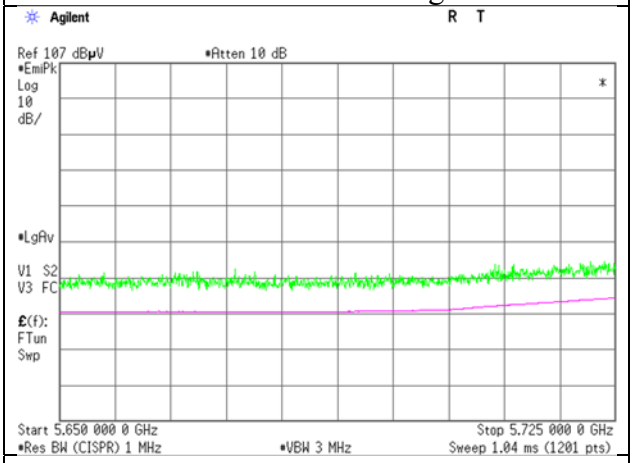
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11n-40 5755 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

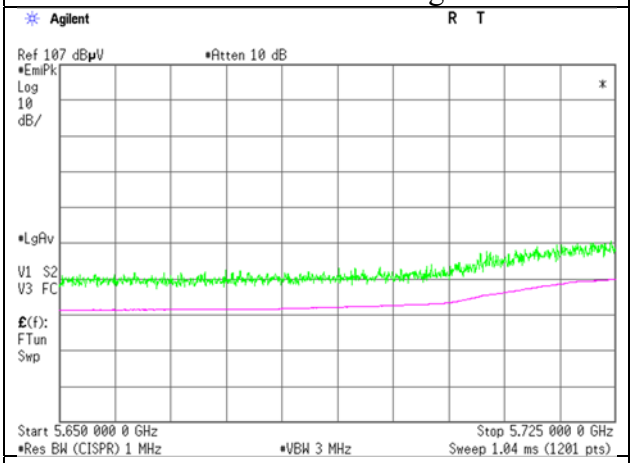
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11n-40 5795 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	50.47	33.07	17.49	43.43	2.12	59.72	-35.51	27.0	62.5	121	69	-
Hori.	5855.000	PK	50.36	33.08	17.49	43.43	2.12	59.62	-35.61	15.6	51.2	121	69	-
Hori.	5875.000	PK	50.09	33.12	17.52	43.43	2.12	59.42	-35.81	10.0	45.8	121	69	-
Hori.	5925.000	PK	49.86	33.21	17.54	43.43	2.12	59.30	-35.93	-27.0	**8.9**	121	69	-
Vert.	5850.000	PK	51.41	33.07	17.49	43.43	2.12	60.66	-34.57	27.0	61.5	154	105	-
Vert.	5855.000	PK	51.13	33.08	17.49	43.43	2.12	60.39	-34.84	15.6	50.4	154	105	-
Vert.	5875.000	PK	51.05	33.12	17.52	43.43	2.12	60.38	-34.85	10.0	44.8	154	105	-
Vert.	5925.000	PK	49.84	33.21	17.54	43.43	2.12	59.28	-35.95	-27.0	**8.9**	154	105	-

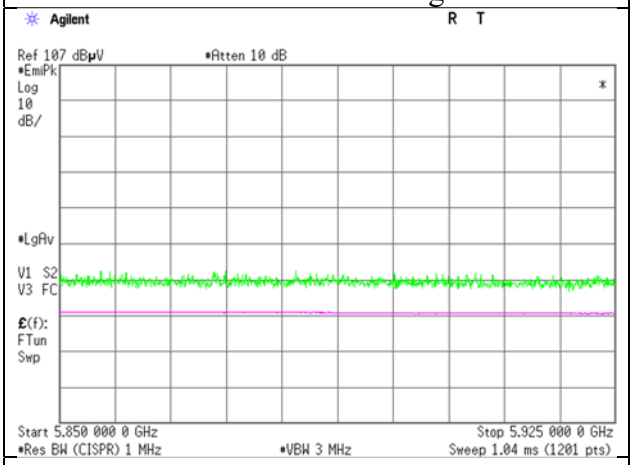
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11n-40 5795 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

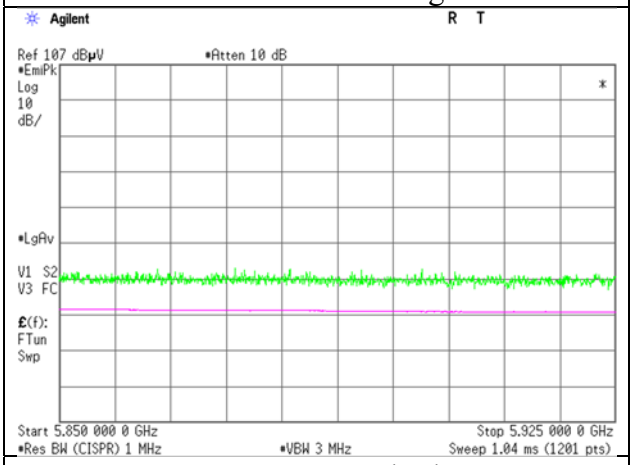
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-40 5190 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	51.57	32.12	17.06	43.05	2.12	59.82	73.9	14.0	109	65	-
Hori.	5150.000	AV	38.98	32.12	17.06	43.05	2.12	47.23	53.9	6.6	109	65	VBW: 10 Hz
Vert.	5150.000	PK	56.05	32.12	17.06	43.05	2.12	64.30	73.9	9.6	170	110	-
Vert.	5150.000	AV	43.13	32.12	17.06	43.05	2.12	51.38	53.9	**2.5**	170	110	VBW: 10 Hz

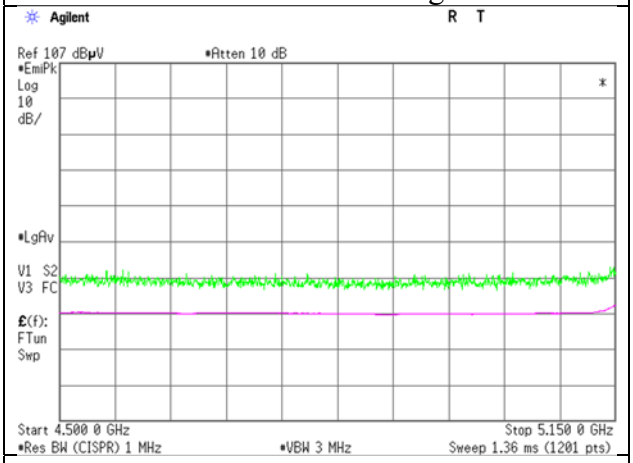
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11ac-40 5190 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

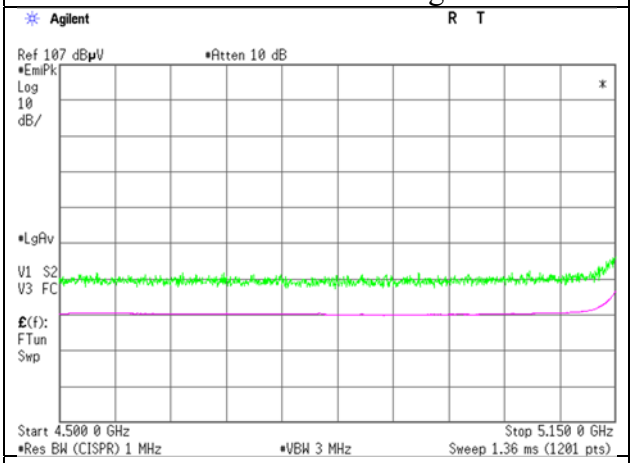
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-40 5310 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	51.83	31.83	17.20	43.26	2.12	59.72	73.9	14.1	185	67	-
Hori.	5350.000	AV	38.57	31.83	17.20	43.26	2.12	46.46	53.9	7.4	185	67	VBW: 10 Hz
Vert.	5350.000	PK	53.10	31.83	17.20	43.26	2.12	60.99	73.9	12.9	182	111	-
Vert.	5350.000	AV	40.41	31.83	17.20	43.26	2.12	48.30	53.9	**5.6**	182	111	VBW: 10 Hz

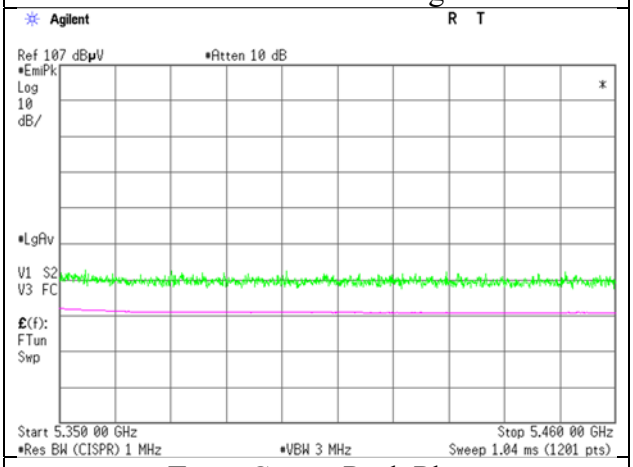
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11ac-40 5310 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

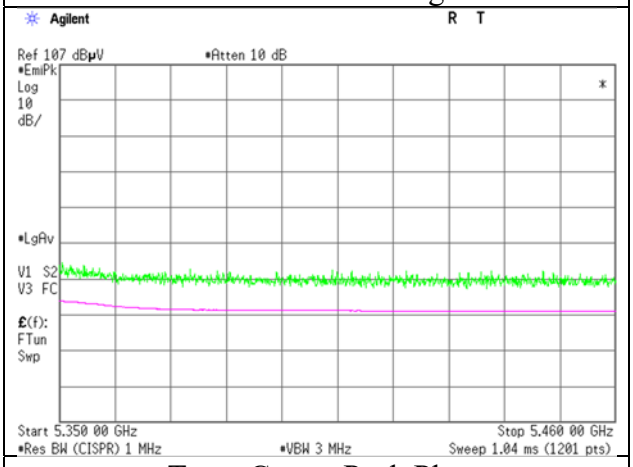
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-40 5510 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	52.11	32.30	17.26	43.38	2.12	60.41	73.9	13.4	125	68	-
Hori.	5460.000	AV	38.67	32.30	17.26	43.38	2.12	46.97	53.9	6.9	125	68	VBW: 10 Hz
Vert.	5460.000	PK	53.43	32.30	17.26	43.38	2.12	61.73	73.9	12.1	184	106	-
Vert.	5460.000	AV	39.65	32.30	17.26	43.38	2.12	47.95	53.9	**5.9**	184	106	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	52.38	32.33	17.27	43.39	2.12	60.71	-34.52	-27.0	7.5	125	68	-
Vert.	5470.000	PK	53.72	32.33	17.27	43.39	2.12	62.05	-33.18	-27.0	6.1	184	106	-

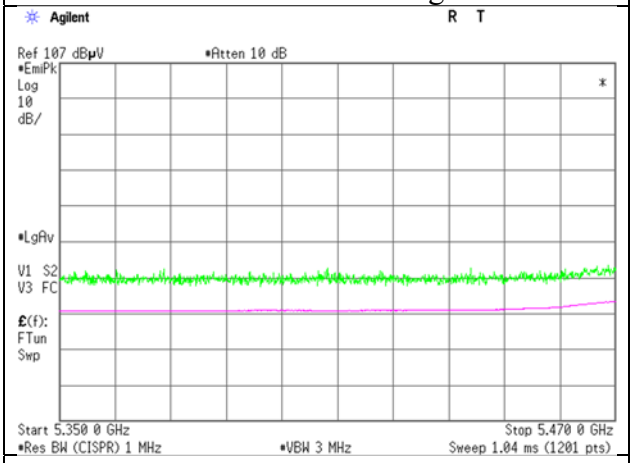
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG ((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11ac-40 5510 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

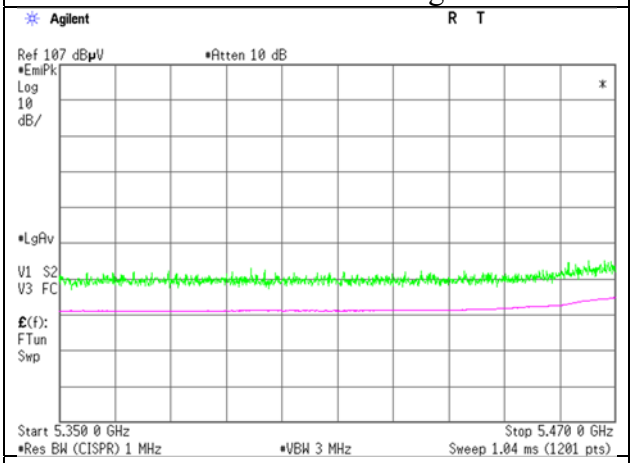
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-40 5670 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	49.59	32.68	17.41	43.42	2.12	58.38	-36.85	-27.0	9.8	126	67	-
Vert.	5725.000	PK	50.71	32.68	17.41	43.42	2.12	59.50	-35.73	-27.0	**8.7**	189	108	-

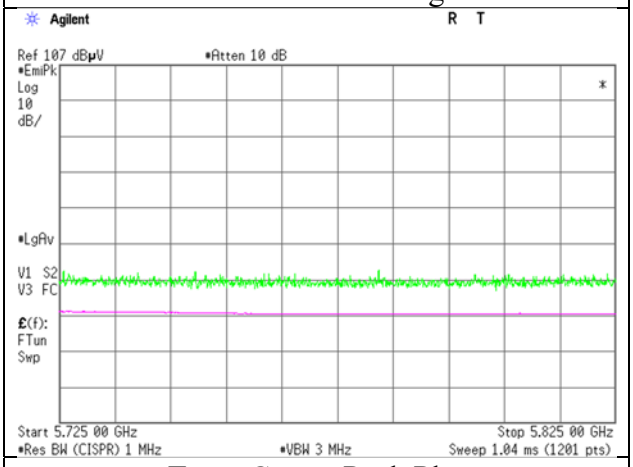
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11ac-40 5670 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

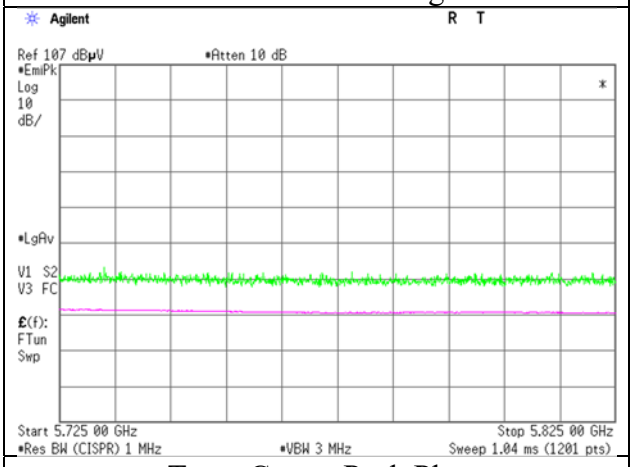
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-40 5755 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	50.30	32.49	17.38	43.42	2.12	58.87	-36.36	-27.0	**9.3**	152	68	-
Hori.	5700.000	PK	51.40	32.60	17.40	43.42	2.12	60.10	-35.13	10.0	45.1	152	68	-
Hori.	5720.000	PK	55.86	32.66	17.41	43.42	2.12	64.63	-30.60	15.6	46.2	152	68	-
Hori.	5725.000	PK	57.78	32.68	17.41	43.42	2.12	66.57	-28.66	27.0	55.6	152	68	-
Vert.	5650.000	PK	50.07	32.49	17.38	43.42	2.12	58.64	-36.59	-27.0	9.5	181	105	-
Vert.	5700.000	PK	52.46	32.60	17.40	43.42	2.12	61.16	-34.07	10.0	44.0	181	105	-
Vert.	5720.000	PK	58.26	32.66	17.41	43.42	2.12	67.03	-28.20	15.6	43.8	181	105	-
Vert.	5725.000	PK	59.28	32.68	17.41	43.42	2.12	68.07	-27.16	27.0	54.1	181	105	-

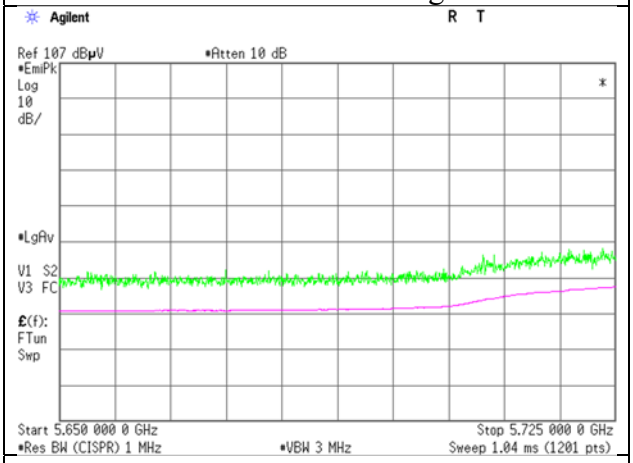
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11ac-40 5755 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

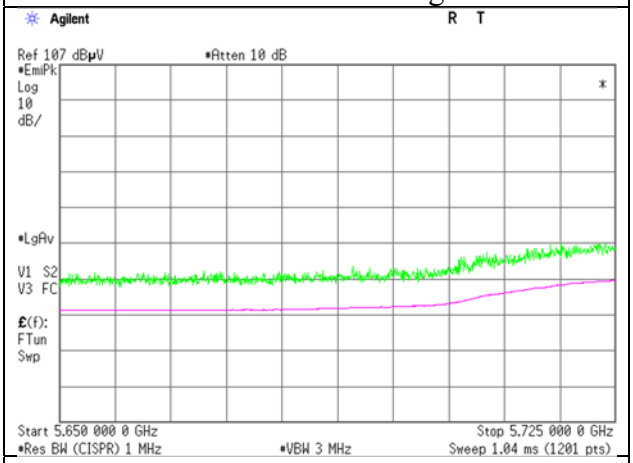
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-40 5795 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5850.000	PK	50.17	33.07	17.49	43.43	2.12	59.42	-35.81	27.0	62.8	136	68	-
Hori.	5855.000	PK	50.05	33.08	17.49	43.43	2.12	59.31	-35.92	15.6	51.5	136	68	-
Hori.	5875.000	PK	49.83	33.12	17.52	43.43	2.12	59.16	-36.07	10.0	46.0	136	68	-
Hori.	5925.000	PK	49.71	33.21	17.54	43.43	2.12	59.15	-36.08	-27.0	**9.0**	136	68	-
Vert.	5850.000	PK	50.70	33.07	17.49	43.43	2.12	59.95	-35.28	27.0	62.2	153	102	-
Vert.	5855.000	PK	50.40	33.08	17.49	43.43	2.12	59.66	-35.57	15.6	51.1	153	102	-
Vert.	5875.000	PK	50.29	33.12	17.52	43.43	2.12	59.62	-35.61	10.0	45.6	153	102	-
Vert.	5925.000	PK	49.48	33.21	17.54	43.43	2.12	58.92	-36.31	-27.0	9.3	153	102	-

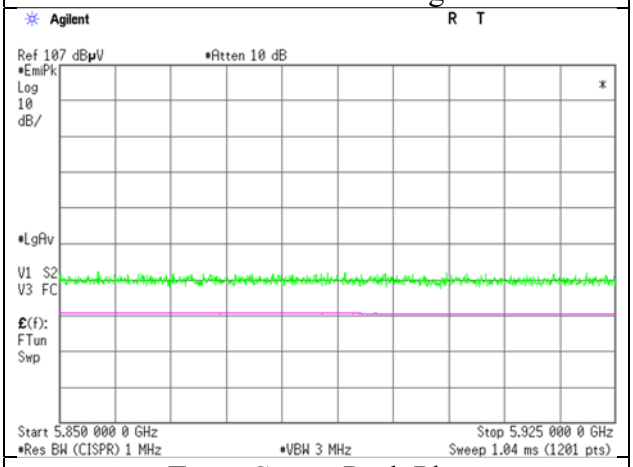
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11ac-40 5795 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

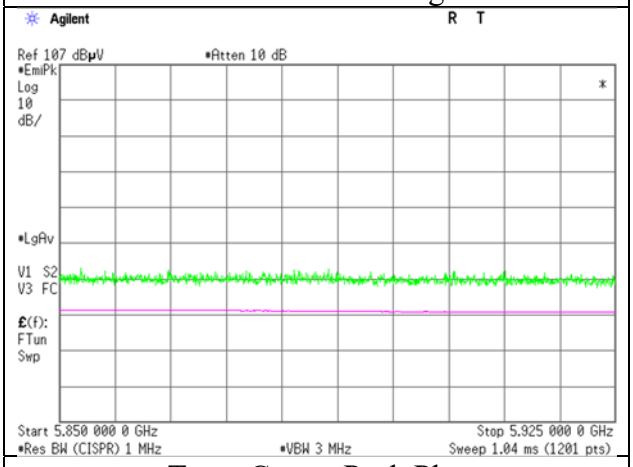
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-80 5210 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5150.000	PK	49.56	32.12	17.06	43.05	2.12	57.81	73.9	16.0	148	244	-
Hori.	5150.000	AV	37.67	32.12	17.06	43.05	2.12	45.92	53.9	7.9	148	244	VBW: 10 Hz
Vert.	5150.000	PK	51.27	32.12	17.06	43.05	2.12	59.52	73.9	14.3	168	262	-
Vert.	5150.000	AV	38.58	32.12	17.06	43.05	2.12	46.83	53.9	**7.0**	168	262	VBW: 10 Hz

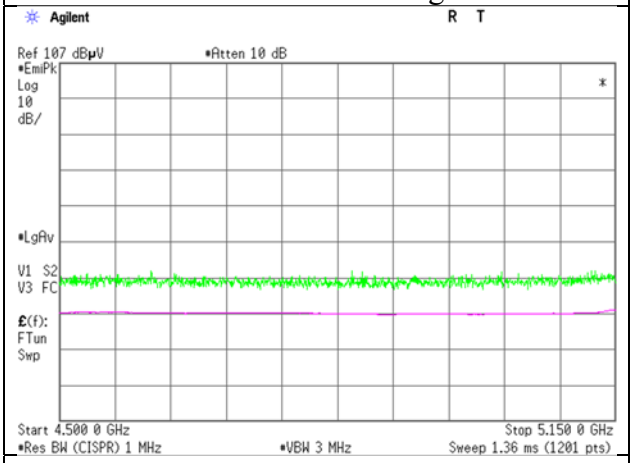
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11ac-80 5210 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

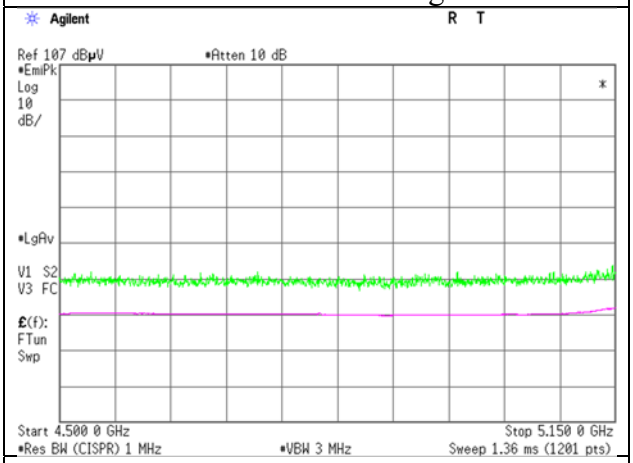
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-80 5290 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5350.000	PK	52.32	31.83	17.20	43.26	2.12	60.21	73.9	13.6	199	248	-
Hori.	5350.000	AV	39.79	31.83	17.20	43.26	2.12	47.68	53.9	6.2	199	248	VBW: 10 Hz
Vert.	5350.000	PK	54.20	31.83	17.20	43.26	2.12	62.09	73.9	11.8	186	264	-
Vert.	5350.000	AV	41.37	31.83	17.20	43.26	2.12	49.26	53.9	**4.6**	186	264	VBW: 10 Hz

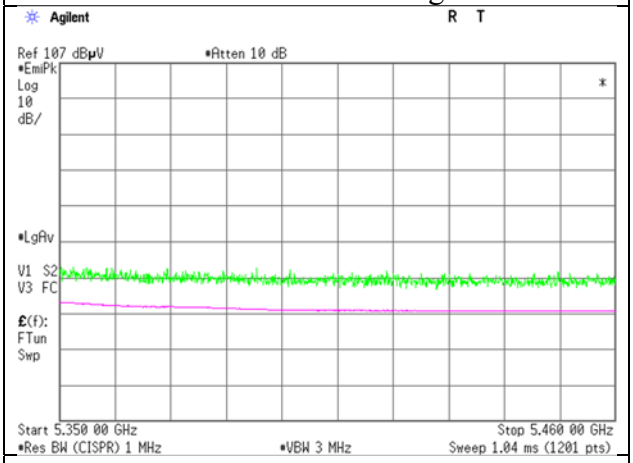
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11ac-80 5290 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

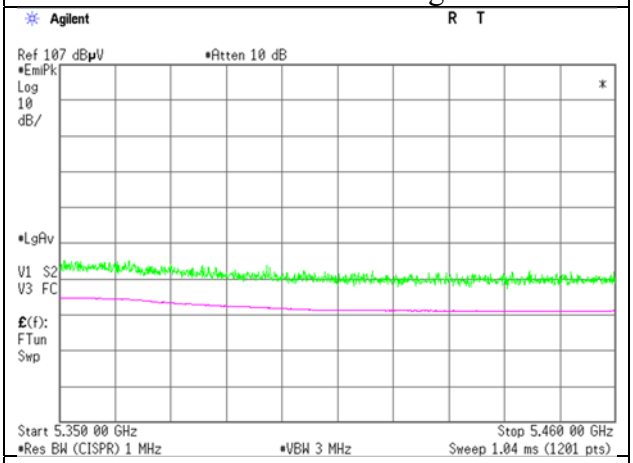
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

* 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

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-80 5530 MHz + Tx BT LE 2 M PHY 2402 MHz

(above 1 GHz Inside of the restricted band)

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5460.000	PK	52.40	32.30	17.26	43.38	2.12	60.70	73.9	13.2	206	220	-
Hori.	5460.000	AV	39.88	32.30	17.26	43.38	2.12	48.18	53.9	5.7	206	220	VBW: 10 Hz
Vert.	5460.000	PK	52.62	32.30	17.26	43.38	2.12	60.92	73.9	12.9	163	272	-
Vert.	5460.000	AV	40.86	32.30	17.26	43.38	2.12	49.16	53.9	**4.7**	163	272	VBW: 10 Hz

Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5470.000	PK	52.98	32.33	17.27	43.39	2.12	61.31	-33.92	-27.0	6.9	206	220	-
Vert.	5470.000	PK	53.26	32.33	17.27	43.39	2.12	61.59	-33.64	-27.0	6.6	163	272	-

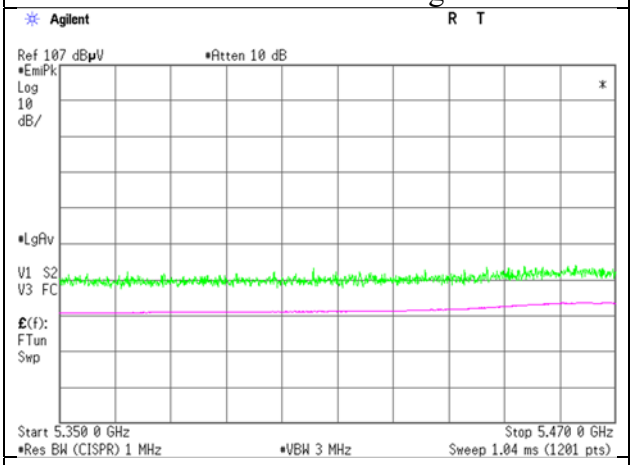
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11ac-80 5530 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

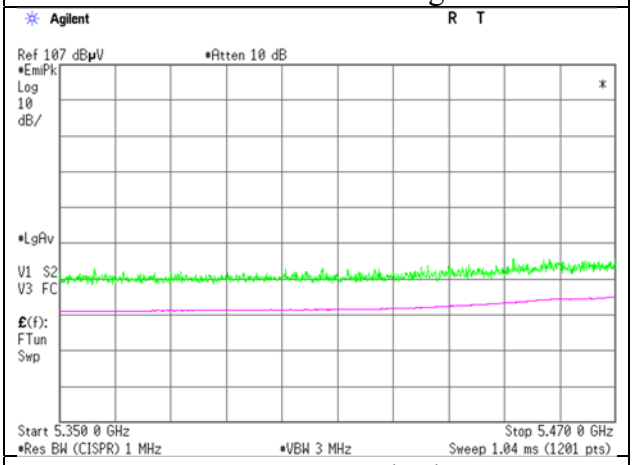
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-80 5610 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5725.000	PK	49.91	32.68	17.41	43.42	2.12	58.70	-36.53	-27.0	9.5	226	222	-
Vert.	5725.000	PK	50.11	32.68	17.41	43.42	2.12	58.90	-36.33	-27.0	**9.3**	163	264	-

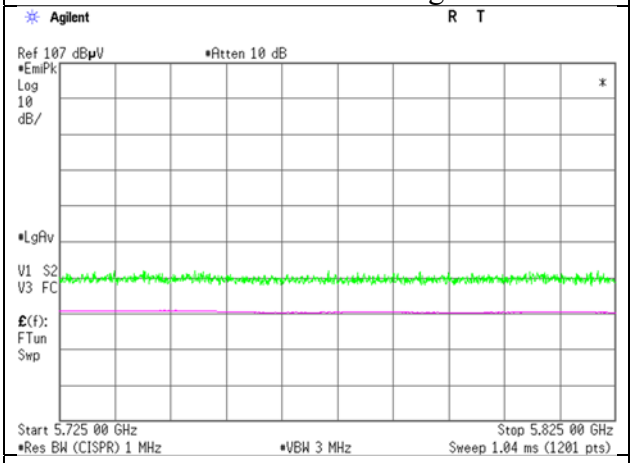
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11ac-80 5610 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

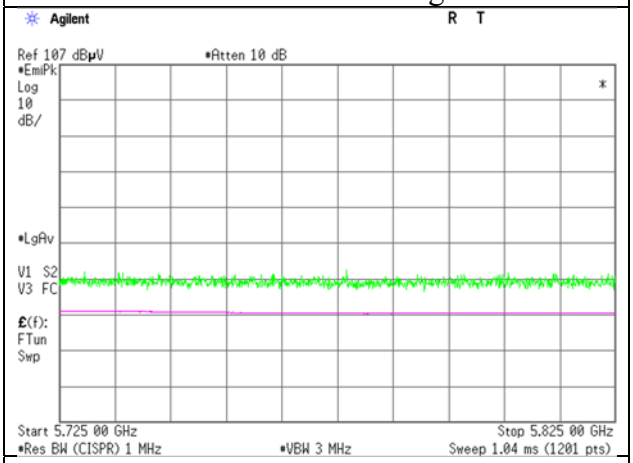
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

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Final result of restricted band edge was shown in tabular data.

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
	(1 GHz - 6.4 GHz)
Mode	Tx 11ac-80 5775 MHz + Tx BT LE 2 M PHY 2402 MHz

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

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

Polarity	Frequency [MHz]	Detector	Reading [dBuV]	Ant.Fac. [dB/m]	Loss [dB]	Gain [dB]	Distance Factor [dB]	Result [dBuV/m]	Result (EIRP) [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [deg.]	Remark
Hori.	5650.000	PK	49.82	32.49	17.38	43.42	2.12	58.39	-36.84	-27.0	9.8	182	246	-
Hori.	5700.000	PK	52.40	32.60	17.40	43.42	2.12	61.10	-34.13	10.0	44.1	182	246	-
Hori.	5720.000	PK	52.74	32.66	17.41	43.42	2.12	61.51	-33.72	15.6	49.3	182	246	-
Hori.	5725.000	PK	52.79	32.68	17.41	43.42	2.12	61.58	-33.65	27.0	60.6	182	246	-
Hori.	5850.000	PK	51.21	33.07	17.49	43.43	2.12	60.46	-34.77	27.0	61.7	182	246	-
Hori.	5855.000	PK	49.96	33.08	17.49	43.43	2.12	59.22	-36.01	15.6	51.6	182	246	-
Hori.	5875.000	PK	49.89	33.12	17.52	43.43	2.12	59.22	-36.01	10.0	46.0	182	246	-
Hori.	5925.000	PK	49.47	33.21	17.54	43.43	2.12	58.91	-36.32	-27.0	9.3	182	246	-
Vert.	5650.000	PK	50.69	32.49	17.38	43.42	2.12	59.26	-35.97	-27.0	8.9	156	264	-
Vert.	5700.000	PK	54.00	32.60	17.40	43.42	2.12	62.70	-32.53	10.0	42.5	156	264	-
Vert.	5720.000	PK	55.66	32.66	17.41	43.42	2.12	64.43	-30.80	15.6	46.4	156	264	-
Vert.	5725.000	PK	55.98	32.68	17.41	43.42	2.12	64.77	-30.46	27.0	57.4	156	264	-
Vert.	5850.000	PK	52.54	33.07	17.49	43.43	2.12	61.79	-33.44	27.0	60.4	156	264	-
Vert.	5855.000	PK	52.05	33.08	17.49	43.43	2.12	61.31	-33.92	15.6	49.5	156	264	-
Vert.	5875.000	PK	51.79	33.12	17.52	43.43	2.12	61.12	-34.11	10.0	44.1	156	264	-
Vert.	5925.000	PK	50.21	33.21	17.54	43.43	2.12	59.65	-35.58	-27.0	**8.5**	156	264	-

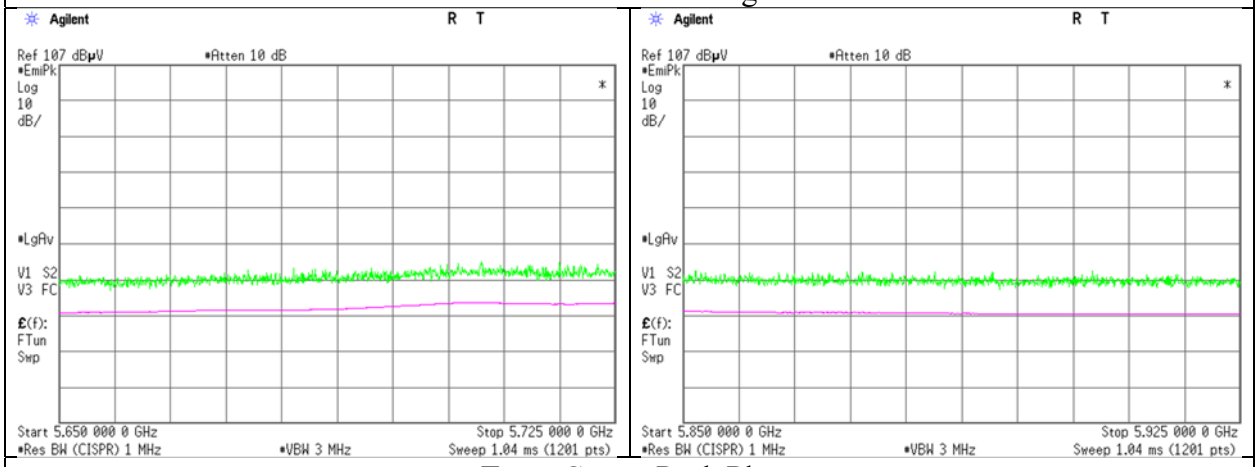
Result [dBuV/m] = Reading + Ant.Fac. + Loss (Cable+(Attenuator or Filter)(below 18 GHz)) - Gain(Amplifier) + Distance factor
Result (EIRP [dBm]) = 10 * LOG((10 ^ (Electric Field Strength [dBuV/m] / 20) * 10 ^ (-6) * Distance : 3 [m]) ^ 2 / 30 * 10 ^ 3)
*Other frequency noises omitted in this report were not seen or have enough margin (more than 20 dB).
Distance factor : 1 GHz - 10 GHz : 20log (3.83 m / 3.0 m) = 2.12 dB
10 GHz - 40 GHz : 20log (1.0 m / 3.0 m) = -9.54 dB

Radiated Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab.
Semi Anechoic Chamber	3
Date	June 18, 2021
Temperature / Humidity	21 deg.C, 58 %RH
Engineer	Shunsaku Yumi
Mode	Tx 11ac-80 5775 MHz + Tx BT LE 2 M PHY 2402 MHz

Horizontal

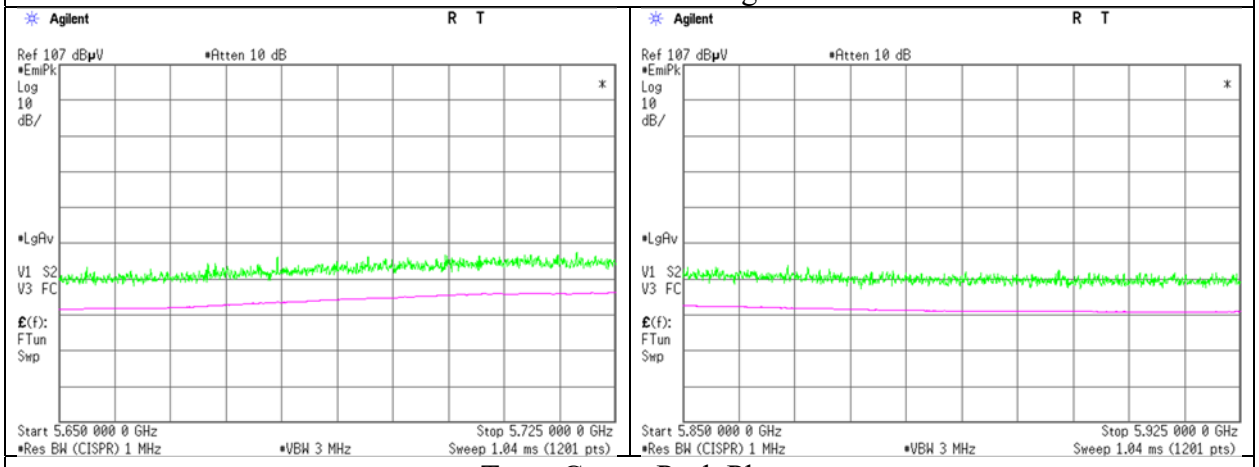
Restricted-band band-edge Plot



Trace Green: Peak Plot
Trace Purple: Average Plot

Vertical

Restricted-band band-edge Plot

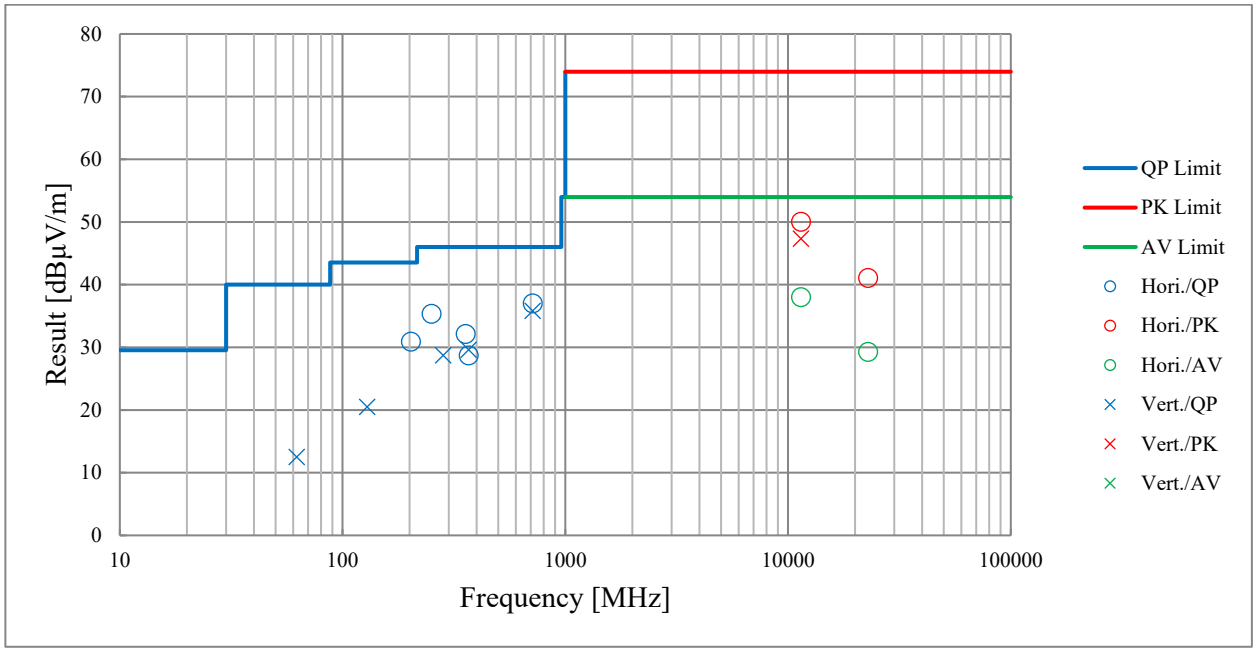


Trace Green: Peak Plot
Trace Purple: Average Plot

* 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)

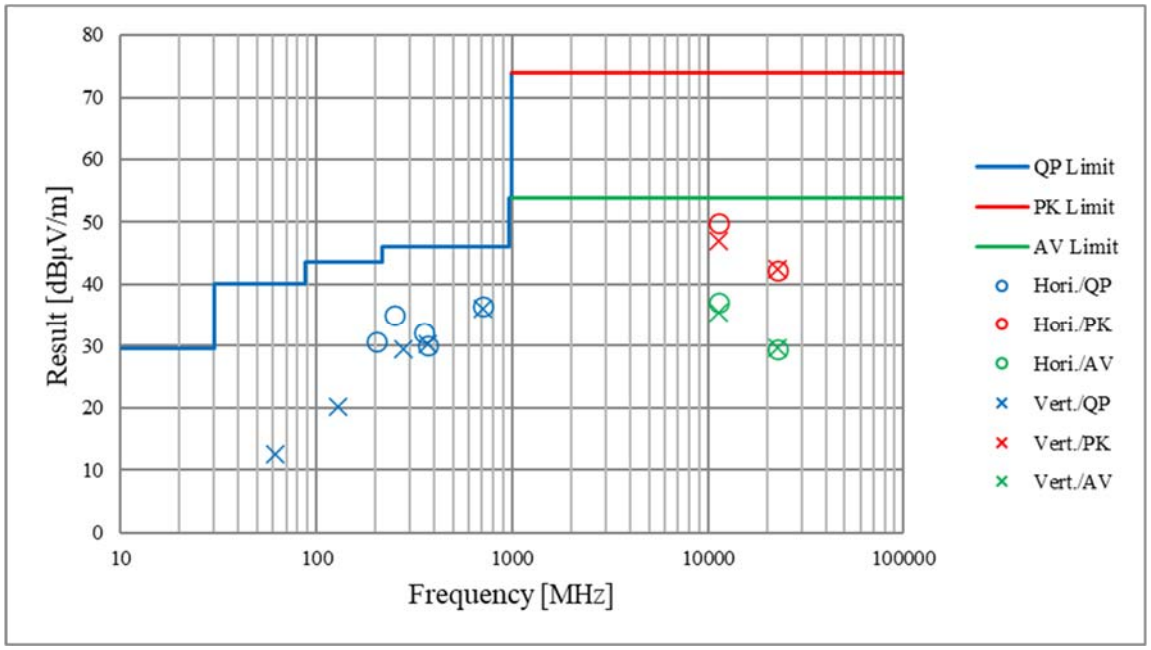
Report No.	13734674S-C-R2				
Test place	Shonan EMC Lab.				
Semi Anechoic Chamber	3	2	3	3	3
Date	May 12, 2021	April 8, 2021	April 24, 2021	May 5, 2021	May 7, 2021
Temperature / Humidity	23 deg.C, 45 %RH	22 deg.C, 38 %RH	22 deg.C, 30 %RH	24 deg.C, 34 %RH	24 deg.C, 49 %RH
Engineer	Toshinori Yamada	Takahiro Suzuki	Takahiro Kawakami	Takahiro Kawakami	Toshinori Yamada
	(30 MHz - 1 GHz)	(1 GHz - 10 GHz)	(10 GHz - 18 GHz)	(18 GHz - 26.5 GHz)	(26.5 GHz - 40 GHz)
Mode	Tx 11n-20 5700 MHz				



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

Radiated Spurious Emission
(Plot data, Worst case)

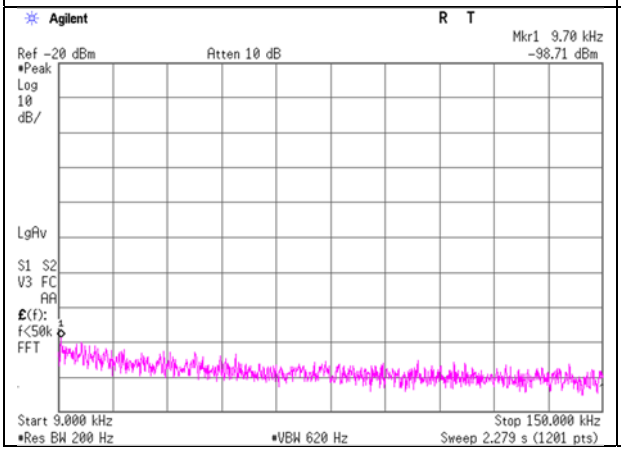
Report No.	13734674S-C-R2			
Test place	Shonan EMC Lab.			
Semi Anechoic Chamber	3	3	3	3
Date	May 12, 2021	June 16, 2021	June 18, 2021	June 21, 2021
Temperature / Humidity	23 deg.C, 45 %RH	23 deg.C, 54 %RH	21 deg.C, 58 %RH	23 deg.C, 50 %RH
Engineer	Toshinori Yamada	Toshinori Yamada	Shunsaku Yumi	Yosuke Matsuzawa
	(30 MHz - 1 GHz)	(1 GHz - 6.4 GHz)	(6.4 GHz -10 GHz)	(10 GHz -40 GHz)
Mode	Tx 11n-20 5700 MHz + Tx BT LE 2 M PHY 2402 MHz			



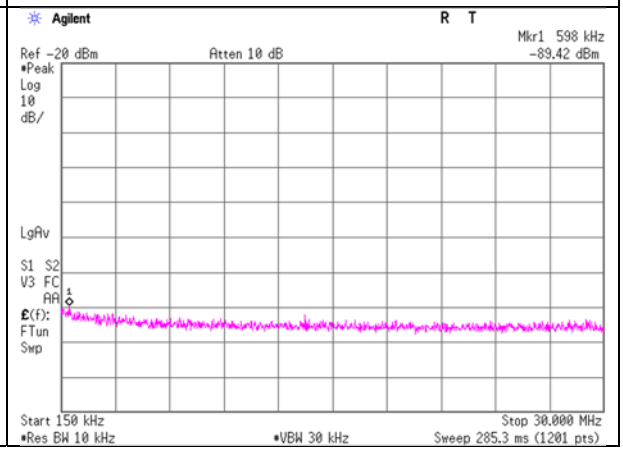
Conducted Spurious Emission

Report No.	13734674S-C-R2
Test place	Shonan EMC Lab. No.5 Shielded Room
Date	March 25, 2021
Temperature / Humidity	23 deg. C / 47 RH
Engineer	Toshinori Yamada
Mode	Tx 11n-20 5700 MHz

9 kHz - 150 kHz



150 kHz - 30 MHz



Frequency [kHz]	Reading [dBm]	Cable Loss [dB]	Attenuator [dB]	Antenna Gain [dBi]	N (Number of Output)	EIRP [dBm]	Distance [m]	Ground bounce [dB]	E (field strength) [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Remark
9.70	-98.7	1.01	9.83	3.9	1	-84.0	300	6.0	-22.7	47.8	70.5	-
598.00	-89.4	1.01	9.83	3.9	1	-74.7	30	6.0	6.6	32.0	25.4	-

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

APPENDIX 2: Test instruments

Test equipment (1/3)

Test Item	Local ID	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
AT	KTS-07	145111	Digital Tester	SANWA	PC500	7019232	2020/10/21	12
AT	SAT10-14	154591	Attenuator	Weinschel Corp.	54A-10	81595	2021/04/08	12
AT	SCC-H21	197395	Microwave cable	RS Pro	R-132G7210 100CO	-	2021/04/08	12
AT	SCC-H22	197396	Microwave cable	RS Pro	R-132G7210 100CO	-	2021/04/08	12
AT	SOS-27	191845	Humidity Indicator	CUSTOM. Inc	CTH-201	-	2020/09/29	12
AT	SPM-13	169910	Power Meter	Keysight Technologies Inc	8990B	MY51000448	2021/01/25	12
AT	SPSS-06	169911	Power sensor	Keysight Technologies Inc	N1923A	MY57270004	2021/01/25	12
AT	SRENT-15	160899	Spectrum Analyzer	Keysight Technologies Inc	E4440A	MY46185516	2021/01/26	12
AT	STM-G10	171617	Terminator	Weinschel - API Technologies Corp	M1459A	92420	2021/05/18	12
AT	STS-05	146212	Digital Hitester	HIOKI E.E. CORPORATION	3805-50	80997828	2020/10/19	12
AT	SCC-G13	145166	Coaxial Cable	Suhner	SUCOFLEX 102	31599/2	2020/12/21	12
AT	SAT10-15	160493	Attenuator	Weinschel Corp.	54A-10	83406	2020/12/21	12
AT,RE	SSA-02	145800	Spectrum Analyzer	Keysight Technologies Inc	E4448A	MY48250106	2021/04/13	12
AT,RE	SSA-03	145801	Spectrum Analyzer	Keysight Technologies Inc	E4448A	MY48250152	2020/08/12	12
CE	SAT3-10	144960	Attenuator	JFW	50HF-003N	-	2020/08/18	12
CE	SCC-C9/C10/SRSE-03	145036	Coaxial Cable&RF Selector	Suhner/Suhner/TOYO	RG223U/141PE/NS4906	-/0901-271 (RF Selector)	2021/04/12	12
CE	SLS-02	145539	LISN	Rohde & Schwarz	ENV216	100512	2021/02/24	12
CE	SLS-05	145542	LISN	Rohde & Schwarz	ENV216	100516	2021/02/12	12
CE	SOS-06	146294	Humidity Indicator	A&D Company	AD-5681	4062118	-	-
CE	STM-23	146200	Terminator	TME	CT-01 BP	-	2021/01/26	12
CE	STR-08	150463	Test Receiver	Rohde & Schwarz	ESW44	101581	2020/12/02	12
CE,RE	COTS-SEMI-5	170932	EMI Software	TSJ (Techno Science Japan)	TEPTO-DV3(RE,CE,ME,PE)	-	-	-
CE,RE	KJM-02	146432	Measure	TAJIMA	GL19-55	-	-	-
CE,RE	STS-03	146210	Digital Hitester	HIOKI E.E. CORPORATION	3805-50	80997823	2020/10/19	12

Test equipment (2/3)

Test Item	Local ID	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
RE	KAT10-S2	144892	Attenuator	Keysight Technologies Inc	8490D 010	6036	2020/10/05	12
RE	SAT10-05	145136	Attenuator	Keysight Technologies Inc	8493C-010	74864	2020/10/05	12
RE	KBA-01	146343	Biconical Antenna	Schwarzbeck Mess-Elektronik OHG	BBA9106	1748	2021/06/12	12
RE	KFL-15	144938	Highpass Filter	MICRO-TRONICS	HPM50112	7	2020/10/05	12
RE	KHA-02	144941	Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	230	2021/05/10	12
RE	KJM-09	145929	Measure	KOMELON	KMC-36	-	-	-
RE	KJM-10	146454	Measure	KOMELON	KMC-36	-	-	-
RE	KSA-08	145089	Spectrum Analyzer	Keysight Technologies Inc	E4446A	MY46180525	2020/11/24	12
RE	SAEC-01(SVSWR)	145561	Semi-Anechoic Chamber	TDK	SAEC-01(SVSWR)	1	2021/05/09	12
RE	SAEC-02(NSA)	145563	Semi-Anechoic Chamber	TDK	SAEC-02(NSA)	2	2021/03/16	12
RE	SAEC-02(SVSWR)	145598	Semi-Anechoic Chamber	TDK	SAEC-02(SVSWR)	2	2021/05/20	12
RE	SAEC-03(NSA)	145565	Semi-Anechoic Chamber	TDK	SAEC-03(NSA)	3	2021/04/27	12
RE	SAEC-03(SVSWR)	145566	Semi-Anechoic Chamber	TDK	SAEC-03(SVSWR)	3	2021/05/21	12
RE	SAF-03	145126	Pre Amplifier	SONOMA	310N	290213	2021/02/10	12
RE	SAF-04	145127	Pre Amplifier	Toyo Corporation	TPA0118-36	2072554	2021/05/17	12
RE	SAF-05	145128	Pre Amplifier	Toyo Corporation	TPA0118-36	1440490	2021/05/17	12
RE	SAF-06	145005	Pre Amplifier	Toyo Corporation	TPA0118-36	1440491	2021/02/08	12
RE	SAF-08	145007	Pre Amplifier	Toyo Corporation	HAP18-26W	19	2021/03/01	12
RE	SAF-10	145129	Pre Amplifier	Toyo Corporation	HAP26-40W	10	2021/03/01	12
RE	SAJ-03	146105	Antenna Tilt Jig	Intelligent System Engineering Co., Ltd	Antenna Tilt Jig	T-S003	-	-
RE	SAT10-06	145137	Attenuator	Keysight Technologies Inc	8493C-010	74865	2020/10/05	12
RE	SAT6-13	167094	Attenuator	JFW	50HF-006N	-	2021/02/10	12
RE	SCC-C1/C2/C3/C4/C5/C10/SRSE-03	145171	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/141PE/NS4906	-/0901-271 (RF Selector)	2021/04/12	12
RE	SCC-G05	145039	Coaxial Cable	Junkosha	J12J102207-00	APR-30-15-037	2021/01/26	12
RE	SCC-G15	145176	Coaxial Cable	Suhner	SUCOFLEX 102	32703/2	2021/03/01	12
RE	SCC-G40	166491	Coaxial Cable	Junkosha	MWX221-01000NFSNMS/B	1612S005	2021/01/19	12
RE	SCC-G41	151617	Coaxial Cable	Junkosha	MWX221-01000NFSNMS/B	1612S006	2021/01/19	12
RE	SCC-G43	156380	Coaxial Cable	Huber+Suhner	SUCOFLEX_104_E	SN MY 13406/4E	2021/05/17	12
RE	SCC-G45	168301	Coaxial Cable	Huber+Suhner	SUCOFLEX 102 E	800137/2EA	2021/03/01	12
RE	SCC-G50	178573	Coaxial Cable	Huber+Suhner	SUCOFLEX_104_E	MY13407/4E	2021/03/01	12
RE	SCC-G51	178572	Coaxial Cable	Huber+Suhner	SUCOFLEX 104	800288 /4A	2021/03/01	12
RE	SCC-G57	179540	Coaxial Cable	Huber+Suhner	SUCOFLEX 102	802815/2	2021/05/18	12
RE	SCC-G58	183047	Coaxial Cable	Huber+Suhner	SUCOFLEX 104	800287/4A	2021/05/17	12
RE	SCC-G62	196985	Coaxial Cable	Huber+Suhner	SUCOFLEX 102	803650/2	2021/03/01	12
RE	SCC-G68	200008	Coaxial Cable	Huber+Suhner	SUCOFLEX 104	575616/4	2020/07/07	12
RE	SCC-G69	200009	Coaxial Cable	Huber+Suhner	SUCOFLEX 104	575617/4	2020/07/07	12
RE	SCC-G70	200010	Coaxial Cable	Huber+Suhner	SUCOFLEX 104	575618/4	2020/07/07	12

Test equipment (3/3)

Test Item	Local ID	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Cal Int
RE	SFL-02	145301	Highpass Filter	MICRO-TRONICS	HPM50111	51	2020/10/05	12
RE	SFL-03	145377	Highpass Filter	MICRO-TRONICS	HPM50112	28	2020/10/05	12
RE	SFL-18	145305	Highpass Filter	MICRO-TRONICS	HPM50111	119	2021/04/08	12
RE	SFL-25	202959	Highpass Filter	MICRO-TRONICS	HPM50107	G077	2020/11/20	12
RE	SHA-01	145383	Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	9120D-725	2021/05/20	12
RE	SHA-02	145384	Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	9120D-726	2021/06/14	12
RE	SHA-03	145501	Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA9120D	9120D-739	2021/06/14	12
RE	SHA-04	145512	Horn Antenna	ETS-Lindgren	3160-09	00094868	2021/06/14	12
RE	SHA-06	145514	Horn Antenna	ETS-Lindgren	3160-10	00092383	2021/06/14	12
RE	SHA-08	194683	Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA 9120 C	694	2021/03/03	12
RE	SHA-10	194685	Horn Antenna	Schwarzbeck Mess-Elektronik OHG	BBHA 9120 C	711	2021/03/03	12
RE	SLA-01	145531	Logperiodic Antenna	Schwarzbeck Mess-Elektronik OHG	UHALP9108A	UHALP 9108-A 0888	2021/06/12	12
RE	SOS-20	191837	Humidity Indicator	CUSTOM. Inc	CTH-201	-	2020/09/28	12
RE	SOS-21	191838	Humidity Indicator	CUSTOM. Inc	CTH-201	-	2020/09/28	12
RE	SOS-23	191840	Humidity Indicator	CUSTOM. Inc	CTH-201	-	2020/09/28	12
RE	STR-01	145790	Test Receiver	Rohde & Schwarz	ESU40	100093	2021/04/27	12
RE	STR-07	146209	Test Receiver	Rohde & Schwarz	ESU26	100484	2020/09/07	12
RE	STS-01	145792	Digital Hitester	HIOKI E.E. CORPORATION	3805-50	80997812	2020/10/19	12
RE	STS-02	145793	Digital Hitester	HIOKI E.E. CORPORATION	3805-50	80997819	2021/04/28	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:

CE: Conducted Emission
RE: Radiated Emission
AT: Antenna Terminal Conducted test