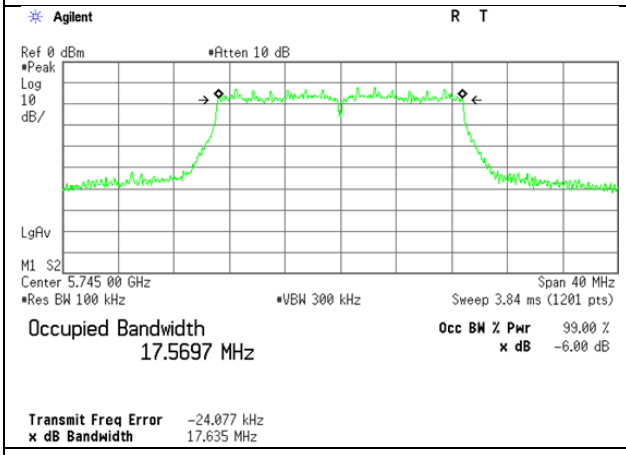
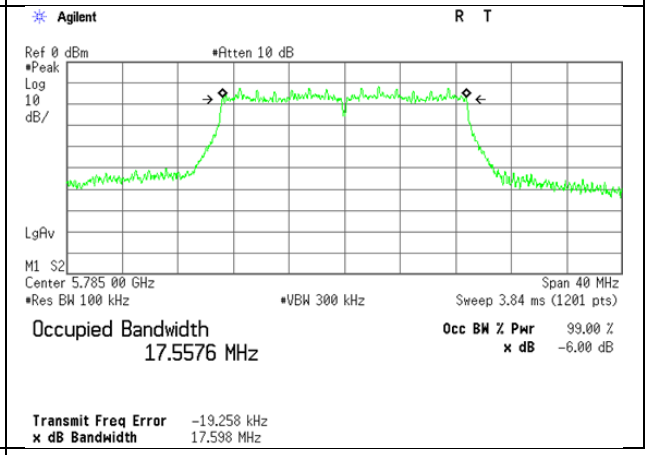
6dB Bandwidth

11n-20 Antenna 1

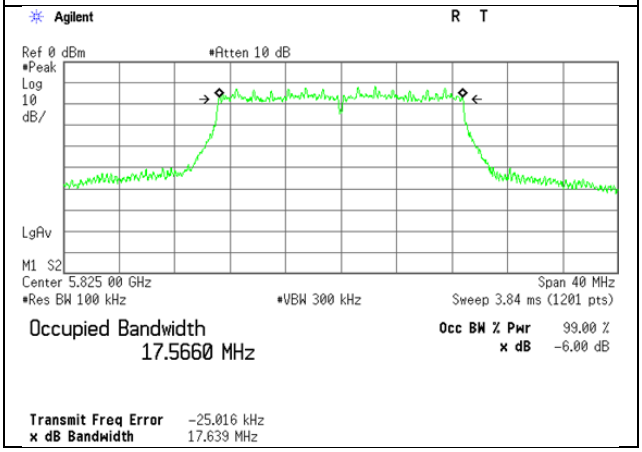
5745MHz



5785MHz



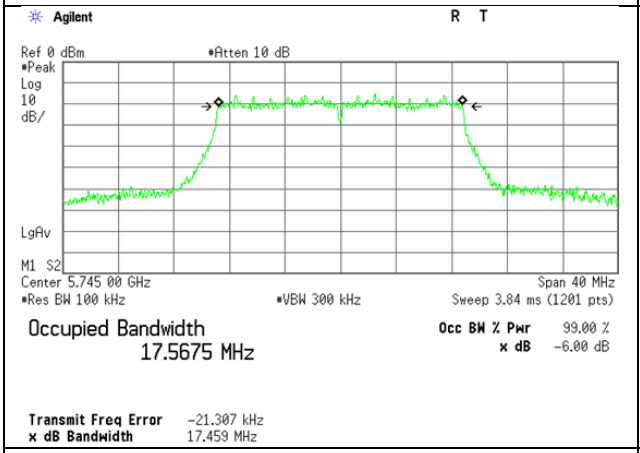
5825MHz



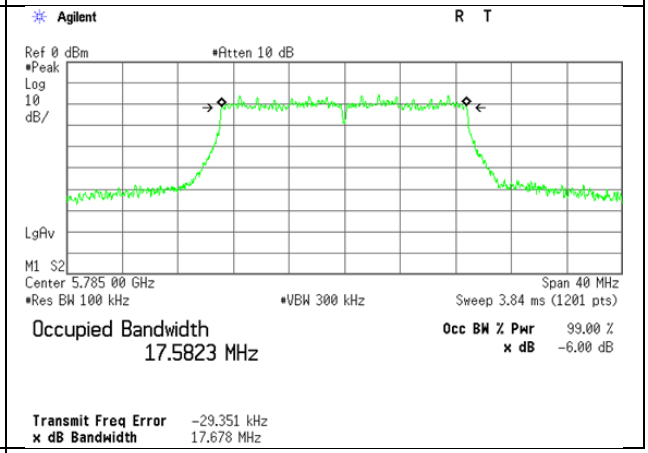
6dB Bandwidth

11ac-20 Antenna 1

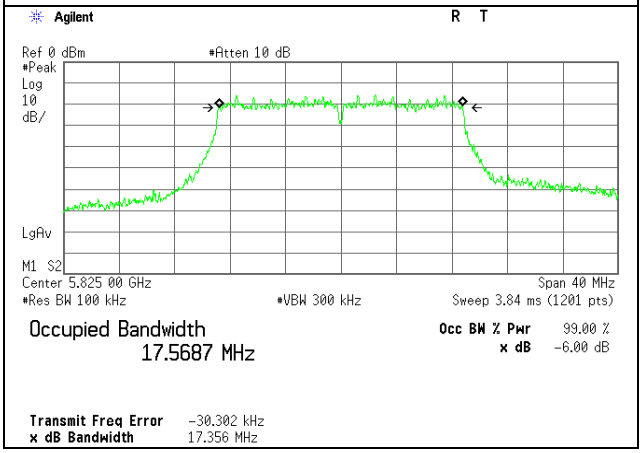
5745MHz



5785MHz



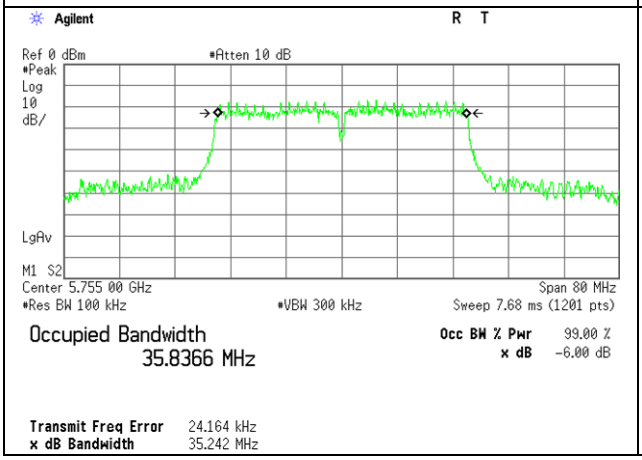
5825MHz



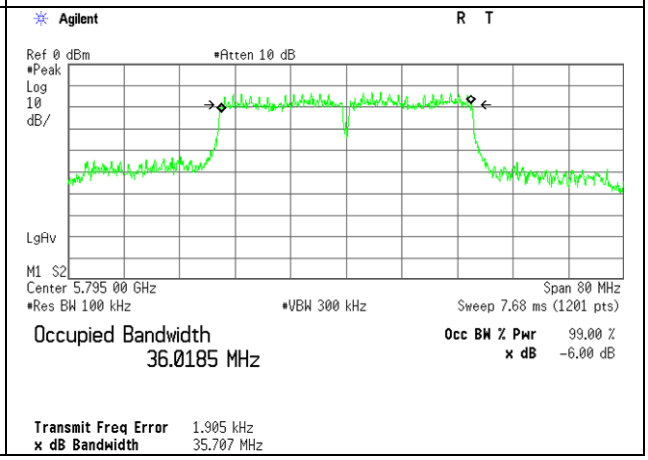
6dB Bandwidth

11n-40 Antenna 1

5755MHz

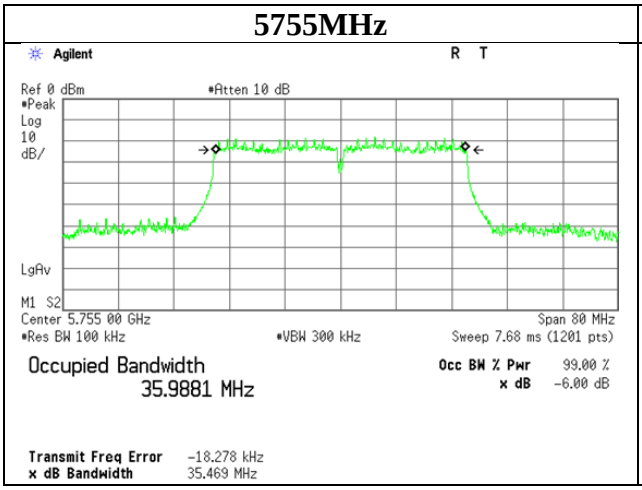


5795MHz

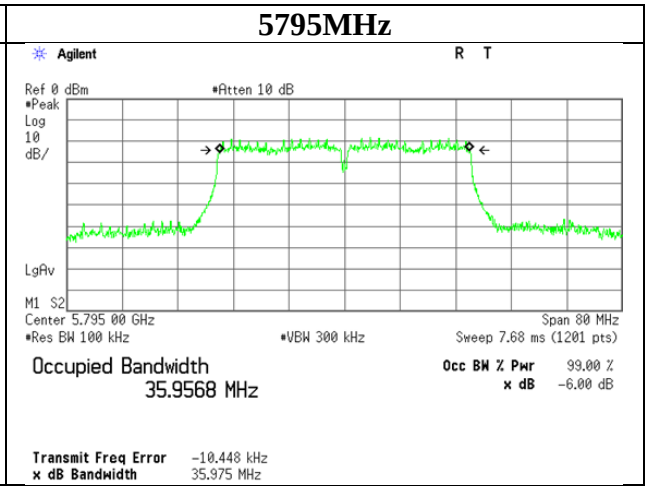


11ac-40 Antenna 1

5755MHz

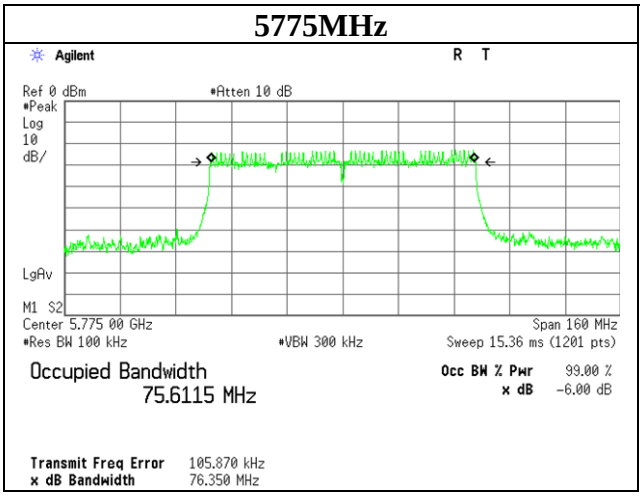


5795MHz



11ac-80 Antenna 1

5775MHz



Maximum Conducted Output Power

Test place	Ise EMC Lab. No.11 Measurement Room	
Report No.	10689818H	
Date	04/10/2015	06/02/2015
Temperature/ Humidity	23deg. C / 33% RH	23deg. C / 68% RH
Engineer	Tomoki Matsui	Takafumi Noguchi
Mode	11a Tx	

Antenna 1

Freq.	P/M Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Result (Cond.)		Result (e.i.r.p.)		Limit (Cond.)		Limit (e.i.r.p.)		Margin (Cond.)	Margin (e.i.r.p.)
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dB]	[dB]
5180.0	0.23	2.71	10.01	0.88	5.00	13.83	24.17	18.83	76.43	23.97	250.00	-	-	10.14	-
5220.0	0.29	2.74	10.01	0.88	5.00	13.92	24.66	18.92	77.98	23.97	250.00	-	-	10.05	-
5240.0	0.19	2.75	10.01	0.88	5.00	13.83	24.17	18.83	76.44	23.97	250.00	-	-	10.14	-
5260.0	0.02	2.77	10.01	0.88	5.00	13.68	23.32	18.68	73.74	23.89	244.91	-	-	10.21	-
5300.0	0.39	2.79	10.01	0.88	5.00	14.07	25.55	19.07	80.79	23.85	242.66	-	-	9.78	-
5320.0	0.41	2.80	10.01	0.88	5.00	14.11	25.75	19.11	81.41	23.85	242.66	-	-	9.74	-
5500.0	0.17	2.92	10.02	0.88	5.00	13.99	25.03	18.99	79.16	23.87	243.78	-	-	9.89	-
5580.0	-0.05	2.96	10.02	0.88	5.00	13.81	24.04	18.81	76.02	23.94	247.74	-	-	10.13	-
5700.0	-1.06	3.03	10.02	0.88	5.00	12.86	19.34	17.86	61.15	23.85	242.66	-	-	10.99	-
5745.0	-0.79	3.05	10.02	0.88	5.00	13.16	20.69	18.16	65.44	30.00	1000.00	-	-	16.84	-
5785.0	0.15	3.07	10.02	0.88	5.00	14.12	25.82	19.12	81.65	30.00	1000.00	-	-	15.88	-
5825.0	0.12	3.09	10.02	0.88	5.00	14.11	25.77	19.11	81.48	30.00	1000.00	-	-	15.89	-

Result(Cond.) = Reading + Cable Loss + Atten.Loss + Duty Factor
Result(e.i.r.p.) = Reading + Cable Loss + Atten.Loss + Duty Factor + Antenna Gain
15.407(a)(1)(iv) Limit(Cond.) = 23.97dBm(250mW)
Although the EUT operates on Master mode, more strigent limit for Client device was applied.
15.407(a)(2) Limit(Cond.) = 23.97dBm(250mW) or 11 + 10log(26dB BW) dBm
15.407(a)(3) Limit(Cond.) = 30dBm(1W)

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.11 Measurement Room	
Report No.	10689818H	
Date	04/10/2015	06/02/2015
Temperature/ Humidity	23deg. C / 33% RH	23deg. C / 68% RH
Engineer	Tomoki Matsui	Takafumi Noguchi
Mode	11n-20 Tx	

Antenna 1+2

Freq.	Antenna Port 1 Result		Antenna Port 2 Result		Result Antenna Port 1+2 (Cond.)		Result Antenna Port 1+2 (e.i.r.p)		Limit (Cond.)		Limit (e.i.r.p)		Margin (Cond.)	Margin (e.i.r.p.)
	(Cond.)	(e.i.r.p.)	(Cond.)	(e.i.r.p.)										
[MHz]	[mW]	[mW]	[mW]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dB]	[dB]
5180.0	8.38	26.50	7.17	22.67	11.92	15.55	16.92	49.17	23.97	250.00	-	-	12.05	-
5220.0	8.63	27.29	7.04	22.26	11.95	15.67	16.95	49.55	23.97	250.00	-	-	12.02	-
5240.0	8.38	26.50	7.30	23.09	11.95	15.68	16.95	49.59	23.97	250.00	-	-	12.02	-
5260.0	8.27	26.16	7.07	22.35	11.86	15.34	16.86	48.51	23.97	249.46	-	-	12.11	-
5300.0	8.92	28.21	7.56	23.89	12.17	16.48	17.17	52.10	23.94	247.74	-	-	11.77	-
5320.0	8.62	27.27	7.28	23.02	12.01	15.90	17.01	50.29	23.94	247.74	-	-	11.93	-
5500.0	8.74	27.64	7.70	24.35	12.16	16.44	17.16	51.99	23.90	245.47	-	-	11.74	-
5580.0	8.18	25.88	6.95	21.99	11.80	15.13	16.80	47.87	23.94	247.74	-	-	12.14	-
5700.0	8.76	27.70	7.47	23.62	12.10	16.23	17.10	51.32	23.95	248.31	-	-	11.85	-
5745.0	9.16	28.96	8.55	27.03	12.48	17.71	17.48	55.99	30.00	1000.00	-	-	17.52	-
5785.0	9.27	29.31	8.24	26.07	12.43	17.51	17.43	55.38	30.00	1000.00	-	-	17.57	-
5825.0	8.22	26.00	8.10	25.61	12.13	16.32	17.13	51.61	30.00	1000.00	-	-	17.87	-

Antenna 1

Freq.	P/M Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Result (Cond.)		Result (e.i.r.p.)	
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	[dBm]	[mW]
5180.0	-4.65	2.71	10.01	1.16	5.00	9.23	8.38	14.23	26.50
5220.0	-4.55	2.74	10.01	1.16	5.00	9.36	8.63	14.36	27.29
5240.0	-4.69	2.75	10.01	1.16	5.00	9.23	8.38	14.23	26.50
5260.0	-4.76	2.77	10.01	1.16	5.00	9.18	8.27	14.18	26.16
5300.0	-4.46	2.79	10.01	1.16	5.00	9.50	8.92	14.50	28.21
5320.0	-4.62	2.80	10.01	1.16	5.00	9.36	8.62	14.36	27.27
5500.0	-4.68	2.92	10.02	1.16	5.00	9.42	8.74	14.42	27.64
5580.0	-5.01	2.96	10.02	1.16	5.00	9.13	8.18	14.13	25.88
5700.0	-4.78	3.03	10.02	1.16	5.00	9.42	8.76	14.42	27.70
5745.0	-4.61	3.05	10.02	1.16	5.00	9.62	9.16	14.62	28.96
5785.0	-4.58	3.07	10.02	1.16	5.00	9.67	9.27	14.67	29.31
5825.0	-5.12	3.09	10.02	1.16	5.00	9.15	8.22	14.15	26.00

Antenna 2

Freq.	P/M Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Result (Cond.)		Result (e.i.r.p.)	
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	[dBm]	[mW]
5180.0	-5.26	2.64	10.01	1.16	5.00	8.56	7.17	13.56	22.67
5220.0	-5.36	2.66	10.01	1.16	5.00	8.47	7.04	13.47	22.26
5240.0	-5.21	2.67	10.01	1.16	5.00	8.63	7.30	13.63	23.09
5260.0	-5.36	2.68	10.01	1.16	5.00	8.49	7.07	13.49	22.35
5300.0	-5.09	2.70	10.01	1.16	5.00	8.78	7.56	13.78	23.89
5320.0	-5.26	2.71	10.01	1.16	5.00	8.62	7.28	13.62	23.02
5500.0	-5.10	2.79	10.02	1.16	5.00	8.87	7.70	13.87	24.35
5580.0	-5.57	2.82	10.02	1.16	5.00	8.42	6.95	13.42	21.99
5700.0	-5.30	2.86	10.02	1.16	5.00	8.73	7.47	13.73	23.62
5745.0	-4.73	2.87	10.02	1.16	5.00	9.32	8.55	14.32	27.03
5785.0	-4.90	2.88	10.02	1.16	5.00	9.16	8.24	14.16	26.07
5825.0	-4.99	2.89	10.02	1.16	5.00	9.08	8.10	14.08	25.61

Result(Cond.) = Reading + Cable Loss + Atten.Loss + Duty Factor
Result(e.i.r.p.) = Reading + Cable Loss + Atten.Loss + Duty Factor + Antenna Gain
15.407(a)(1)(iv) Limit(Cond.) = 23.97dBm(250mW)
Although the EUT operates on Master mode, more strigent limit for Client device was applied.
15.407(a)(2) Limit(Cond.) = 23.97dBm(250mW) or 11 + 10log(26dB BW) dBm
15.407(a)(3) Limit(Cond.) = 30dBm(1W)

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	06/02/2015
Temperature/ Humidity	23deg. C / 68% RH
Engineer	Takafumi Noguchi
Mode	11ac-20 Tx

Antenna 1+2

Freq.	Antenna Port 1 Result		Antenna Port 2 Result		Result Antenna Port 1+2 (Cond.)		Result Antenna Port 1+2 (e.i.r.p)		Limit (Cond.)		Limit (e.i.r.p)		Margin (Cond.)	Margin (e.i.r.p.)
	(Cond.)	(e.i.r.p.)	(Cond.)	(e.i.r.p.)										
[MHz]	[mW]	[mW]	[mW]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dB]	[dB]
5180.0	3.79	11.97	3.32	10.51	8.52	7.11	13.52	22.48	23.97	250.00	-	-	15.45	-
5220.0	3.84	12.13	3.34	10.55	8.56	7.18	13.56	22.68	23.97	250.00	-	-	15.41	-
5240.0	3.85	12.17	3.45	10.90	8.63	7.30	13.63	23.07	23.97	250.00	-	-	15.34	-
5260.0	3.76	11.90	3.28	10.38	8.48	7.04	13.48	22.28	23.91	246.04	-	-	15.43	-
5300.0	3.90	12.34	3.26	10.31	8.55	7.16	13.55	22.65	23.91	246.04	-	-	15.36	-
5320.0	3.94	12.47	3.41	10.77	8.66	7.35	13.66	23.24	23.93	247.17	-	-	15.27	-
5500.0	3.96	12.52	3.05	9.65	8.46	7.01	13.46	22.17	23.97	250.00	-	-	15.51	-
5580.0	3.70	11.69	2.99	9.47	8.25	6.69	13.26	21.16	23.92	246.60	-	-	15.67	-
5700.0	4.12	13.01	3.26	10.31	8.68	7.38	13.68	23.32	23.96	248.89	-	-	15.28	-
5745.0	3.89	12.30	3.51	11.11	8.69	7.40	13.69	23.41	30.00	1000.00	-	-	21.31	-
5785.0	3.99	12.62	3.45	10.92	8.72	7.44	13.72	23.54	30.00	1000.00	-	-	21.28	-
5825.0	3.89	12.30	3.14	9.94	8.47	7.03	13.47	22.24	30.00	1000.00	-	-	21.53	-

Antenna 1

Freq.	P/M Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Result (Cond.)		Result (e.i.r.p.)	
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	[dBm]	[mW]
5180.0	-8.19	2.71	10.01	1.25	5.00	5.78	3.79	10.78	11.97
5220.0	-8.16	2.74	10.01	1.25	5.00	5.84	3.84	10.84	12.13
5240.0	-8.16	2.75	10.01	1.25	5.00	5.85	3.85	10.85	12.17
5260.0	-8.27	2.77	10.01	1.25	5.00	5.76	3.76	10.76	11.90
5300.0	-8.14	2.79	10.01	1.25	5.00	5.91	3.90	10.91	12.34
5320.0	-8.11	2.80	10.01	1.25	5.00	5.96	3.94	10.96	12.47
5500.0	-8.21	2.92	10.02	1.25	5.00	5.98	3.96	10.98	12.52
5580.0	-8.55	2.96	10.02	1.25	5.00	5.68	3.70	10.68	11.69
5700.0	-8.15	3.03	10.02	1.25	5.00	6.14	4.12	11.14	13.01
5745.0	-8.42	3.05	10.02	1.25	5.00	5.90	3.89	10.90	12.30
5785.0	-8.33	3.07	10.02	1.25	5.00	6.01	3.99	11.01	12.62
5825.0	-8.46	3.09	10.02	1.25	5.00	5.90	3.89	10.90	12.30

Antenna 2

Freq.	P/M Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Result (Cond.)		Result (e.i.r.p.)	
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	[dBm]	[mW]
5180.0	-8.69	2.64	10.01	1.25	5.00	5.22	3.32	10.22	10.51
5220.0	-8.69	2.66	10.01	1.25	5.00	5.23	3.34	10.23	10.55
5240.0	-8.56	2.67	10.01	1.25	5.00	5.37	3.45	10.37	10.90
5260.0	-8.78	2.68	10.01	1.25	5.00	5.16	3.28	10.16	10.38
5300.0	-8.83	2.70	10.01	1.25	5.00	5.13	3.26	10.13	10.31
5320.0	-8.65	2.71	10.01	1.25	5.00	5.32	3.41	10.32	10.77
5500.0	-9.21	2.79	10.02	1.25	5.00	4.85	3.05	9.85	9.65
5580.0	-9.32	2.82	10.02	1.25	5.00	4.76	2.99	9.76	9.47
5700.0	-8.99	2.86	10.02	1.25	5.00	5.13	3.26	10.13	10.31
5745.0	-8.68	2.87	10.02	1.25	5.00	5.46	3.51	10.46	11.11
5785.0	-8.77	2.88	10.02	1.25	5.00	5.38	3.45	10.38	10.92
5825.0	-9.19	2.89	10.02	1.25	5.00	4.97	3.14	9.97	9.94

Result(Cond.) = Reading + Cable Loss + Atten.Loss + Duty Factor
Result(e.i.r.p.) = Reading + Cable Loss + Atten.Loss + Duty Factor + Antenna Gain
15.407(a)(1)(iv) Limit(Cond.) = 23.97dBm(250mW)
Although the EUT operates on Master mode, more strigent limit for Client device was applied.
15.407(a)(2) Limit(Cond.) = 23.97dBm(250mW) or 11 + 10log(26dB BW) dBm
15.407(a)(3) Limit(Cond.) = 30dBm(1W)

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.11 Measurement Room		
Report No.	10689818H		
Date	04/10/2015	04/15/2015	06/02/2015
Temperature/ Humidity	23deg. C / 33% RH	24deg. C / 39% RH	23deg. C / 68% RH
Engineer	Tomoki Matsui	Yuta Moriya	Takafumi Noguchi
Mode	11n-40 Tx		

Antenna 1

Freq.	P/M Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Result (Cond.)		Result (e.i.r.p.)		Limit (Cond.)		Limit (e.i.r.p.)		Margin (Cond.)	Margin (e.i.r.p.)
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dB]	[dB]
5190.0	-5.16	2.72	10.01	1.79	5.00	9.36	8.63	14.36	27.29	23.97	250.00	-	-	14.61	-
5230.0	-2.26	2.75	10.01	1.79	5.00	12.29	16.95	17.29	53.59	23.97	250.00	-	-	11.68	-
5270.0	-1.88	2.77	10.01	1.79	5.00	12.69	18.58	17.69	58.77	23.97	250.00	-	-	11.28	-
5310.0	-3.75	2.80	10.01	1.79	5.00	10.85	12.17	15.85	38.47	23.97	250.00	-	-	13.12	-
5510.0	-3.06	2.93	10.02	1.79	5.00	11.68	14.71	16.68	46.52	23.97	250.00	-	-	12.29	-
5550.0	-2.00	2.95	10.02	1.79	5.00	12.76	18.87	17.76	59.67	23.97	250.00	-	-	11.21	-
5670.0	-2.26	3.01	10.02	1.79	5.00	12.56	18.02	17.56	57.00	23.97	250.00	-	-	11.41	-
5755.0	-2.98	3.05	10.02	1.79	5.00	11.88	15.41	16.88	48.74	30.00	1000.00	-	-	18.12	-
5795.0	-2.15	3.08	10.02	1.79	5.00	12.74	18.79	17.74	59.42	30.00	1000.00	-	-	17.26	-

Result(Cond.) = Reading + Cable Loss + Atten.Loss + Duty Factor
Result(e.i.r.p.) = Reading + Cable Loss + Atten.Loss + Duty Factor +Antenna Gain
15.407(a)(1)(iv) Limit(Cond.) = 23.97dBm(250mW)
Although the EUT operates on Master mode, more strigent limit for Client device was applied.
15.407(a)(2) Limit(Cond.) = 23.97dBm(250mW) or 11 + 10log(26dB BW) dBm
15.407(a)(3) Limit(Cond.) = 30dBm(1W)

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	06/02/2015
Temperature/ Humidity	23deg. C / 68% RH
Engineer	Takafumi Noguchi
Mode	11ac-40 Tx

Antenna 1+2

Freq.	Antenna Port 1 Result		Antenna Port 2 Result		Result Antenna Port 1+2 (Cond.)		Result Antenna Port 1+2 (e.i.r.p)		Limit (Cond.)		Limit (e.i.r.p)		Margin (Cond.)	Margin (e.i.r.p.)
	(Cond.)	(e.i.r.p.)	(Cond.)	(e.i.r.p.)										
[MHz]	[mW]	[mW]	[mW]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dB]	[dB]
5190.0	3.31	10.47	3.07	9.71	8.05	6.38	13.05	20.18	23.97	250.00	-	-	15.92	-
5230.0	3.25	10.27	2.90	9.18	7.89	6.15	12.89	19.45	23.97	250.00	-	-	16.08	-
5270.0	3.83	12.12	3.29	10.42	8.52	7.12	13.53	22.54	23.97	250.00	-	-	15.45	-
5310.0	3.49	11.04	2.95	9.33	8.09	6.44	13.09	20.37	23.97	250.00	-	-	15.88	-
5510.0	3.24	10.23	2.80	8.85	7.81	6.04	12.81	19.08	23.97	250.00	-	-	16.16	-
5550.0	3.27	10.33	2.76	8.71	7.80	6.03	12.80	19.04	23.97	250.00	-	-	16.17	-
5670.0	3.33	10.54	2.95	9.34	7.98	6.28	12.98	19.88	23.97	250.00	-	-	15.99	-
5755.0	3.53	11.15	3.18	10.05	8.27	6.71	13.26	21.20	30.00	1000.00	-	-	21.73	-
5795.0	3.48	11.00	3.21	10.15	8.25	6.69	13.25	21.15	30.00	1000.00	-	-	21.75	-

Antenna 1

Freq.	P/M Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Result (Cond.)		Result (e.i.r.p.)	
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	[dBm]	[mW]
5190.0	-8.88	2.72	10.01	1.35	5.00	5.20	3.31	10.20	10.47
5230.0	-8.99	2.75	10.01	1.35	5.00	5.12	3.25	10.12	10.27
5270.0	-8.30	2.77	10.01	1.35	5.00	5.83	3.83	10.83	12.12
5310.0	-8.73	2.80	10.01	1.35	5.00	5.43	3.49	10.43	11.04
5510.0	-9.19	2.93	10.02	1.35	5.00	5.10	3.24	10.10	10.23
5550.0	-9.17	2.95	10.02	1.35	5.00	5.14	3.27	10.14	10.33
5670.0	-9.15	3.01	10.02	1.35	5.00	5.23	3.33	10.23	10.54
5755.0	-8.95	3.05	10.02	1.35	5.00	5.47	3.53	10.47	11.15
5795.0	-9.03	3.08	10.02	1.35	5.00	5.41	3.48	10.41	11.00

Antenna 2

Freq.	P/M Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Result (Cond.)		Result (e.i.r.p.)	
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	[dBm]	[mW]
5190.0	-9.14	2.65	10.01	1.35	5.00	4.87	3.07	9.87	9.71
5230.0	-9.40	2.67	10.01	1.35	5.00	4.63	2.90	9.63	9.18
5270.0	-8.87	2.69	10.01	1.35	5.00	5.18	3.29	10.18	10.42
5310.0	-9.37	2.70	10.01	1.35	5.00	4.70	2.95	9.70	9.33
5510.0	-9.69	2.79	10.02	1.35	5.00	4.47	2.80	9.47	8.85
5550.0	-9.77	2.81	10.02	1.35	5.00	4.40	2.76	9.40	8.71
5670.0	-9.51	2.85	10.02	1.35	5.00	4.70	2.95	9.70	9.34
5755.0	-9.22	2.87	10.02	1.35	5.00	5.02	3.18	10.02	10.05
5795.0	-9.19	2.89	10.02	1.35	5.00	5.06	3.21	10.06	10.15

Result(Cond.) = Reading + Cable Loss + Atten.Loss
Result(e.i.r.p.) = Reading + Cable Loss + Atten.Loss + Antenna Gain
15.407(a)(1)(iv) Limit(Cond.) = 23.97dBm(250mW)
Although the EUT operates on Master mode, more strigent limit for Client device was applied.
15.407(a)(2) Limit(Cond.) = 23.97dBm(250mW) or 11 + 10log(26dB BW) dBm
15.407(a)(3) Limit(Cond.) = 30dBm(1W)

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	05/25/2015
Temperature/ Humidity	24 deg. C / 49% RH
Engineer	Shinichi Miyazono
Mode	11ac-80 Tx

Antenna 1+2

Freq.	Antenna Port 1 Result		Antenna Port 2 Result		Result Antenna Port 1+2 (Cond.)		Result Antenna Port 1+2 (e.i.r.p)		Limit (Cond.)		Limit (e.i.r.p)		Margin (Cond.)	Margin (e.i.r.p.)
	(Cond.)	(e.i.r.p.)	(Cond.)	(e.i.r.p.)										
[MHz]	[mW]	[mW]	[mW]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	[dB]	[dB]
5210.0	2.48	7.83	2.33	7.36	6.82	4.81	11.82	15.19	23.97	250.00	-	-	17.15	-
5290.0	3.52	11.12	3.21	10.14	8.28	6.73	13.28	21.26	23.97	250.00	-	-	15.69	-
5530.0	2.98	9.42	2.62	8.28	7.48	5.60	12.48	17.70	23.97	250.00	-	-	16.49	-
5610.0	3.42	10.81	3.19	10.09	8.20	6.61	13.20	20.90	23.97	250.00	-	-	15.77	-
5775.0	2.42	7.66	2.26	7.16	6.70	4.68	11.71	14.82	30.00	1000.00	-	-	23.30	-

Antenna 1

Freq.	P/M Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Result (Cond.)		Result (e.i.r.p.)	
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	[dBm]	[mW]
5210.0	-10.07	2.73	10.01	1.27	5.00	3.94	2.48	8.94	7.83
5290.0	-8.60	2.78	10.01	1.27	5.00	5.46	3.52	10.46	11.12
5530.0	-9.48	2.93	10.02	1.27	5.00	4.74	2.98	9.74	9.42
5610.0	-8.93	2.98	10.02	1.27	5.00	5.34	3.42	10.34	10.81
5775.0	-10.51	3.06	10.02	1.27	5.00	3.84	2.42	8.84	7.66

Antenna 2

Freq.	P/M Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Result (Cond.)		Result (e.i.r.p.)	
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	[dBm]	[mW]
5210.0	-10.34	2.73	10.01	1.27	5.00	3.67	2.33	8.67	7.36
5290.0	-9.00	2.78	10.01	1.27	5.00	5.06	3.21	10.06	10.14
5530.0	-10.04	2.93	10.02	1.27	5.00	4.18	2.62	9.18	8.28
5610.0	-9.23	2.98	10.02	1.27	5.00	5.04	3.19	10.04	10.09
5775.0	-10.80	3.06	10.02	1.27	5.00	3.55	2.26	8.55	7.16

Result(Cond.) = Reading + Cable Loss + Atten.Loss + Duty Factor
Result(e.i.r.p.) = Reading + Cable Loss + Atten.Loss + Duty Factor + Antenna Gain
15.407(a)(1)(iv) Limit(Cond.) = 23.97dBm(250mW)
Although the EUT operates on Master mode, more strigent limit for Client device was applied.
15.407(a)(2) Limit(Cond.) = 23.97dBm(250mW) or 11 + 10log(26dB BW) dBm
15.407(a)(3) Limit(Cond.) = 30dBm(1W)

Maximum Conducted Output Power
(Reference data)

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	02/02/2015
Temperature/ Humidity	26deg. C / 40% RH
Engineer	Satofumi Matsuyama
Mode	11a Tx

5180MHz

Rate [Mbps]	Reading Antenna1 [dBm]	Reading Antenna2 [dBm]	Remark
6	3.21	2.66	*
9	3.20	-	
12	3.18	-	
18	3.19	-	
24	3.16	-	
36	2.77	-	
48	2.89	-	
54	2.92	-	

*Difference between worst rate check data and formal test result is due to the different test condition.

Maximum Conducted Output Power
(Reference data)

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	02/02/2015
Temperature/ Humidity	26deg. C / 40% RH
Engineer	Satofumi Matsuyama
Mode	11n-20 Tx

5180MHz

MCS Index	Reading Antenna1 [dBm]	Reading Antenna2 [dBm]	Total [dBm]	Ramark
0	1.85	-	-	
1	1.37	-	-	
2	1.99	1.74	-	
3	1.67	-	-	
4	1.77	-	-	
5	1.83	-	-	
6	1.88	-	-	
7	1.84	-	-	
8	-0.65	-1.23	2.08	*
9	-0.62	-1.62	1.92	
10	-1.01	-1.36	1.83	
11	-0.96	-1.26	1.90	
12	-0.88	-1.39	1.88	
13	-1.23	-1.28	1.76	
14	-1.17	-1.63	1.62	
15	-1.09	-1.55	1.70	

*Difference between worst rate check data and formal test result is due to the different test condition.

Maximum Conducted Output Power
(Reference data)

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	02/02/2015
Temperature/ Humidity	26deg. C / 40% RH
Engineer	Satofumi Matsuyama
Mode	11ac-20 Tx

5180MHz

MCS Index	Reading Antenna1 [dBm]	Reading Antenna2 [dBm]	Total [dBm]	Ramark
0	-2.12	-	-	
1	-2.61	-	-	
2	-2.07	-	-	
3	-2.06	-	-	
4	-1.99	-	-	
5	-1.95	-	-	
6	-1.97	-	-	
7	-1.89	-2.43	-	
8	-2.22	-	-	
0	-4.49	-5.08	-1.76	
1	-4.77	-5.29	-2.01	
2	-4.19	-4.79	-1.47	*
3	-4.33	-4.88	-1.59	
4	-4.23	-4.78	-1.49	
5	-4.20	-5.24	-1.68	
6	-4.43	-5.08	-1.73	
7	-4.46	-5.09	-1.75	
8	-4.42	-5.04	-1.71	

*Difference between worst rate check data and formal test result is due to the different test condition.

Maximum Conducted Output Power
(Reference data)

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	02/02/2015
Temperature/ Humidity	26deg. C / 40% RH
Engineer	Satofumi Matsuyama
Mode	11n-40 Tx

5190MHz

MCS Index	Reading Antenna1 [dBm]	Reading Antenna2 [dBm]	Total [dBm]	Ramark
0	2.16	-	-	
1	2.10	-	-	
2	1.93	-	-	
3	2.19	-	-	
4	2.22	-	-	
5	2.29	-	-	
6	2.34	1.43	-	*
7	2.09	-	-	
8	-0.73	-1.37	1.97	
9	-1.23	-1.72	1.54	
10	-0.95	-1.55	1.77	
11	-1.17	-1.63	1.62	
12	-1.02	-1.48	1.77	
13	-1.03	-1.38	1.81	
14	-1.00	-1.47	1.78	
15	-1.13	-1.63	1.64	

*Difference between worst rate check data and formal test result is due to the different test condition.

Maximum Conducted Output Power
(Reference data)

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	02/02/2015
Temperature/ Humidity	26deg. C / 40% RH
Engineer	Satofumi Matsuyama
Mode	11ac-40 Tx

5190MHz

MCS Index	Reading Antenna1 [dBm]	Reading Antenna2 [dBm]	Total [dBm]	Ramark
0	-2.05	-	-	
1	-2.20	-	-	
2	-2.19	-	-	
3	-1.89	-	-	
4	-2.12	-	-	
5	-2.02	-	-	
6	-1.95	-	-	
7	-1.99	-	-	
8	-1.86	-	-	
9	-1.83	-2.50	-	
0	-4.44	-5.19	-1.79	
1	-4.36	-4.96	-1.64	*
2	-4.36	-4.98	-1.65	
3	-4.63	-5.27	-1.93	
4	-4.70	-5.36	-2.01	
5	-4.61	-5.19	-1.88	
6	-4.52	-5.19	-1.83	
7	-4.54	-5.22	-1.86	
8	-4.56	-5.22	-1.87	
9	-4.46	-5.13	-1.77	

*Difference between worst rate check data and formal test result is due to the different test condition.

Maximum Conducted Output Power
(Reference data)

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	05/18/2015
Temperature/ Humidity	25deg. C / 49% RH
Engineer	Tomoki Matsui
Mode	11ac-80 Tx

5190MHz

MCS Index	Reading Antenna1 [dBm]	Reading Antenna2 [dBm]	Total [dBm]	Ramark
0	-3.80	-	-	
1	-3.57	-	-	
2	-3.59	-	-	
3	-3.70	-	-	
4	-3.71	-	-	
5	-3.64	-	-	
6	-3.90	-	-	
7	-3.67	-	-	
8	-3.54	-4.25	-	
9	-3.86	-	-	
0	-5.96	-6.32	-3.13	
1	-6.04	-6.27	-3.14	
2	-6.10	-6.37	-3.22	
3	-6.03	-6.32	-3.16	
4	-5.83	-6.35	-3.07	
5	-5.70	-6.39	-3.02	*
6	-5.87	-6.33	-3.08	
7	-5.93	-6.56	-3.22	
8	-5.82	-6.56	-3.16	
9	-5.74	-6.50	-3.09	

*Difference between worst rate check data and formal test result is due to the different test condition.

Maximum Power Spectral Density

Test place	Ise EMC Lab. No.11 Measurement Room	
Report No.	10689818H	
Date	04/11/2015	06/02/2015
Temperature/ Humidity	24deg. C / 40% RH	23deg. C / 68% RH
Engineer	Shinichi Miyazono	Takafumi Noguchi
Mode	11a Tx	

Antenna 1

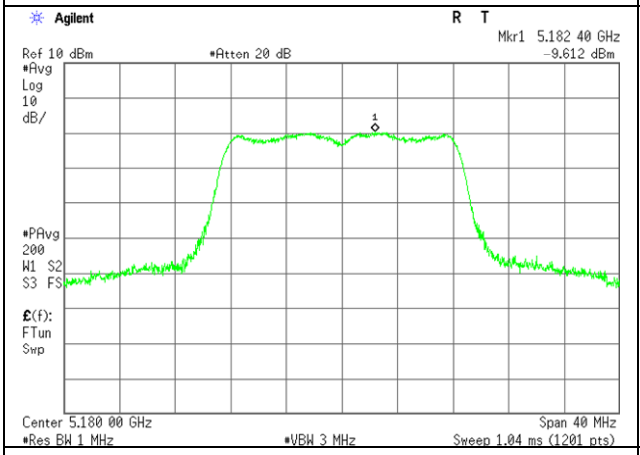
Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Correction Factor [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
5180.0	-9.61	2.71	10.02	0.88	0.00	4.00	11.00	7.00
5220.0	-9.88	2.74	10.02	0.88	0.00	3.77	11.00	7.24
5240.0	-10.11	2.75	10.02	0.88	0.00	3.54	11.00	7.46
5260.0	-9.98	2.76	10.02	0.88	0.00	3.68	11.00	7.32
5300.0	-9.95	2.79	10.02	0.88	0.00	3.74	11.00	7.26
5320.0	-10.14	2.80	10.02	0.88	0.00	3.56	11.00	7.44
5500.0	-10.48	2.92	10.02	0.88	0.00	3.34	11.00	7.66
5580.0	-10.37	2.96	10.02	0.88	0.00	3.49	11.00	7.51
5700.0	-11.57	3.02	10.02	0.88	0.00	2.35	11.00	8.65
5745.0	-14.02	3.05	10.02	0.88	0.27	0.20	30.00	29.80
5785.0	-12.63	3.07	10.02	0.88	0.27	1.62	30.00	28.39
5825.0	-13.19	3.09	10.02	0.88	0.27	1.07	30.00	28.93

Result = Reading + Cable Loss + Attenuator + Duty factor + Correction factor

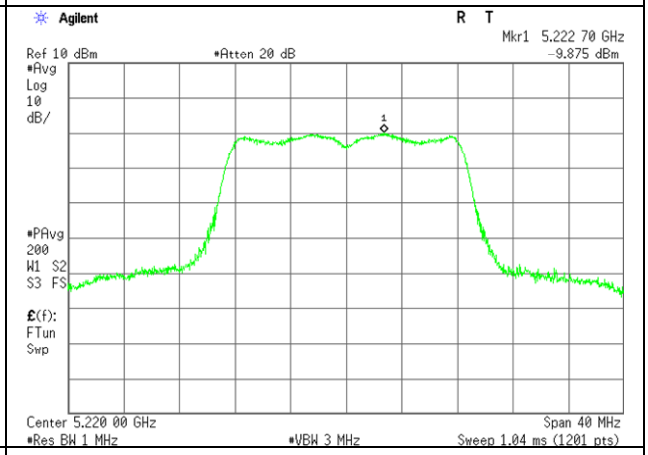
Maximum Power Spectral Density

11a Antenna 1

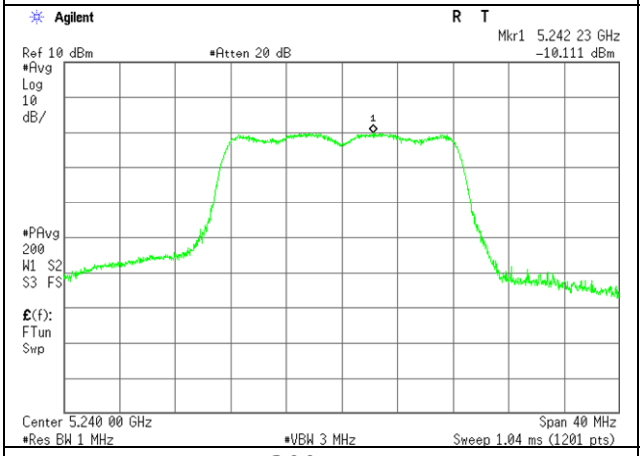
5180MHz



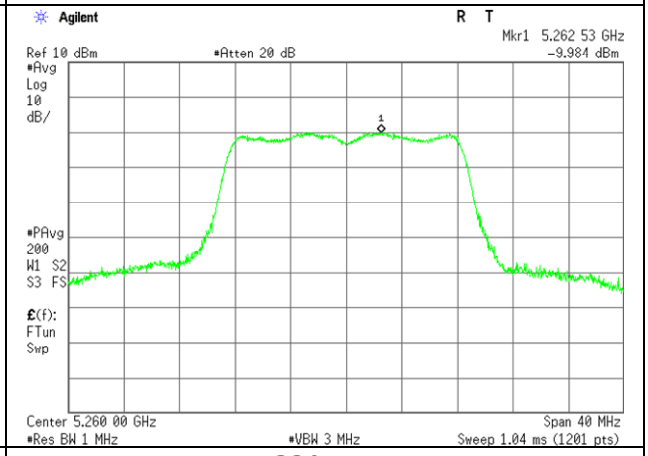
5220MHz



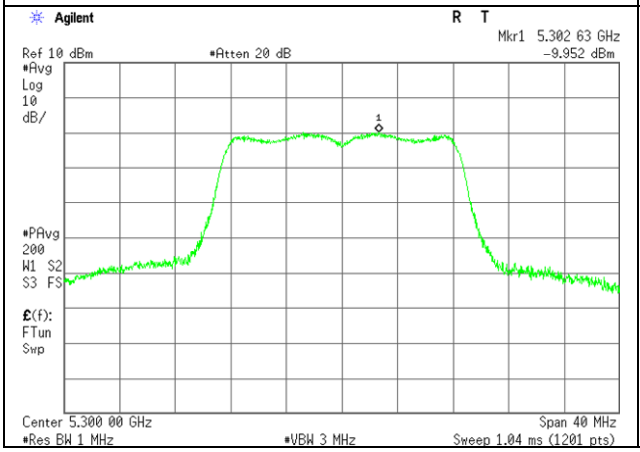
5240MHz



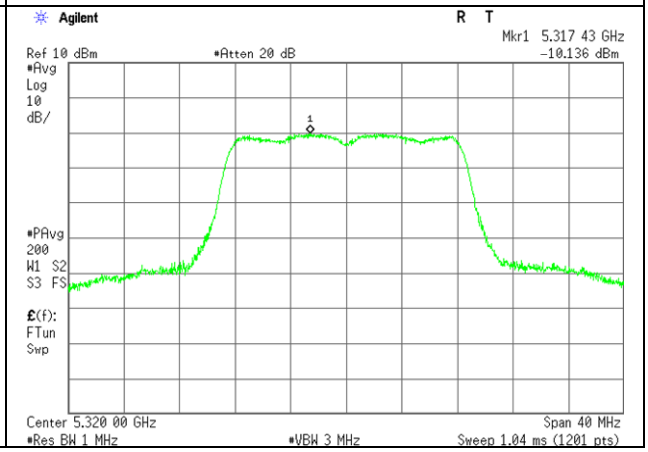
5260MHz



5300MHz



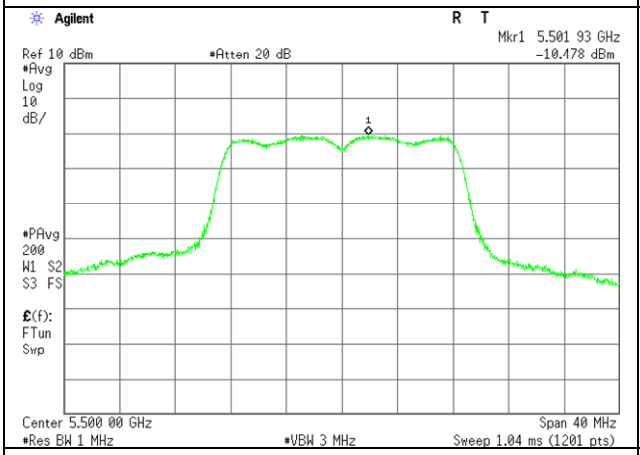
5320MHz



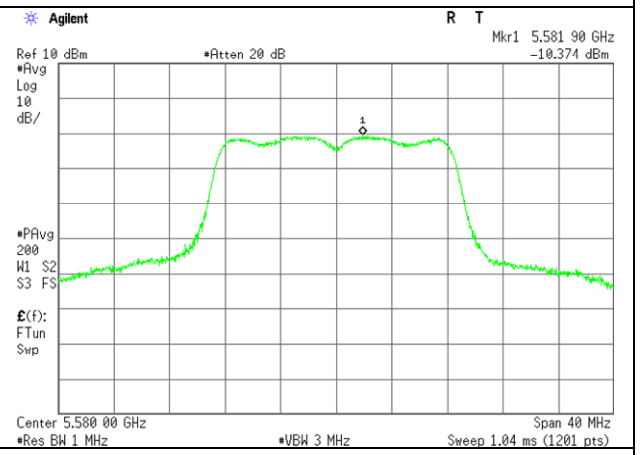
Maximum Power Spectral Density

11a Antenna 1

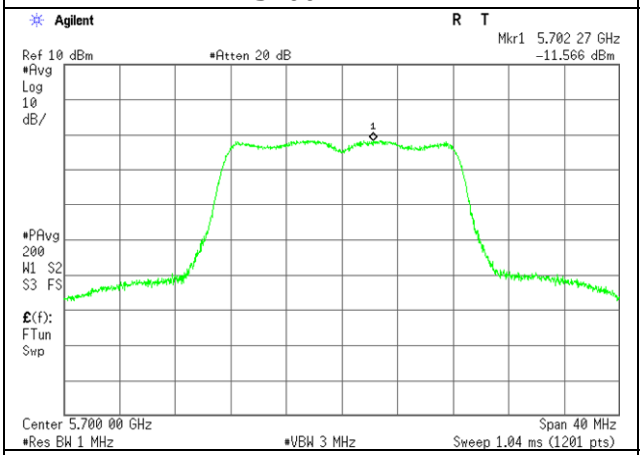
5500MHz



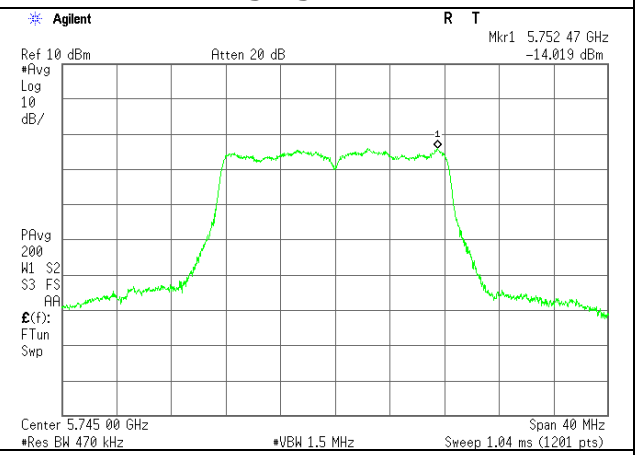
5580MHz



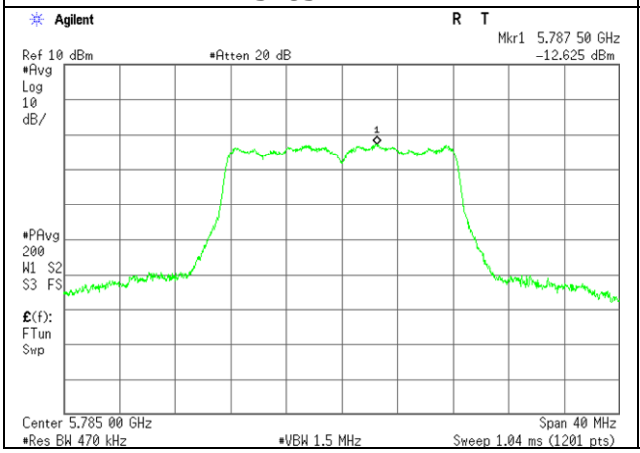
5700MHz



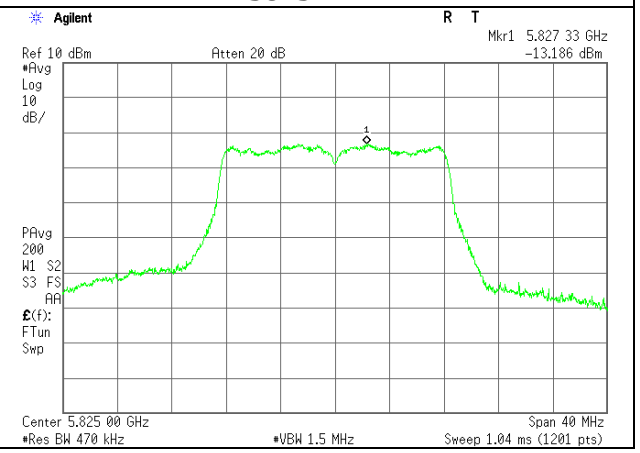
5745MHz



5785MHz



5825MHz



Maximum Power Spectral Density

Test place	Ise EMC Lab. No.11 Measurement Room	
Report No.	10689818H	
Date	04/11/2015	06/02/2015
Temperature/ Humidity	24deg. C / 40% RH	23deg. C / 68% RH
Engineer	Shinichi Miyazono	Takafumi Noguchi
Mode	11n-20 Tx	

Antenna 1+2

Freq. [MHz]	Result [dBm]	Limit [dBm]	Margin [dB]
5180.0	1.91	11.00	9.09
5220.0	1.84	11.00	9.16
5240.0	2.00	11.00	9.00
5260.0	2.00	11.00	9.00
5300.0	1.94	11.00	9.06
5320.0	1.94	11.00	9.06
5500.0	1.40	11.00	9.60
5580.0	1.50	11.00	9.50
5700.0	1.58	11.00	9.42
5745.0	0.14	30.00	29.86
5785.0	-0.20	30.00	30.20
5825.0	-0.21	30.00	30.21

Result [dBm] = 10 x log (10 ^ (Ant1 Result [dBm] / 10) + 10 ^ (Ant2 Result [dBm] / 10))

Antenna 1

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Duty Factor [dB]	Correction Factor [dB]	Result [dBm]
5180.0	-14.73	2.71	10.02	1.16	0.00	-0.84
5220.0	-14.87	2.74	10.02	1.16	0.00	-0.95
5240.0	-14.83	2.75	10.02	1.16	0.00	-0.90
5260.0	-14.40	2.76	10.02	1.16	0.00	-0.46
5300.0	-14.74	2.79	10.02	1.16	0.00	-0.77
5320.0	-14.64	2.80	10.02	1.16	0.00	-0.66
5500.0	-15.44	2.92	10.02	1.16	0.00	-1.34
5580.0	-15.31	2.96	10.02	1.16	0.00	-1.17
5700.0	-15.37	3.02	10.02	1.16	0.00	-1.17
5745.0	-17.11	3.05	10.02	1.16	0.27	-2.61
5785.0	-17.58	3.07	10.02	1.16	0.27	-3.06
5825.0	-17.59	3.09	10.02	1.16	0.27	-3.05

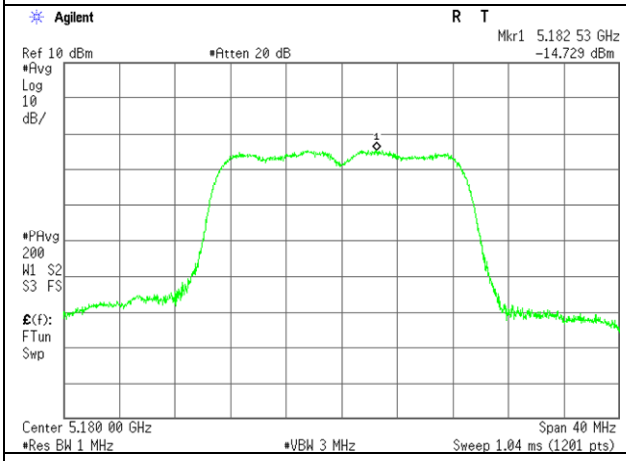
Antenna 2

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Duty Factor [dB]	Correction Factor [dB]	Result [dBm]
5180.0	-15.27	2.71	10.02	1.16	0.00	-1.38
5220.0	-15.32	2.74	10.02	1.16	0.00	-1.40
5240.0	-15.05	2.75	10.02	1.16	0.00	-1.12
5260.0	-15.59	2.76	10.02	1.16	0.00	-1.65
5300.0	-15.37	2.79	10.02	1.16	0.00	-1.40
5320.0	-15.50	2.80	10.02	1.16	0.00	-1.52
5500.0	-16.00	2.92	10.02	1.16	0.00	-1.90
5580.0	-16.02	2.96	10.02	1.16	0.00	-1.88
5700.0	-15.91	3.02	10.02	1.16	0.00	-1.71
5745.0	-17.66	3.05	10.02	1.16	0.27	-3.16
5785.0	-17.88	3.07	10.02	1.16	0.27	-3.36
5825.0	-17.94	3.09	10.02	1.16	0.27	-3.40

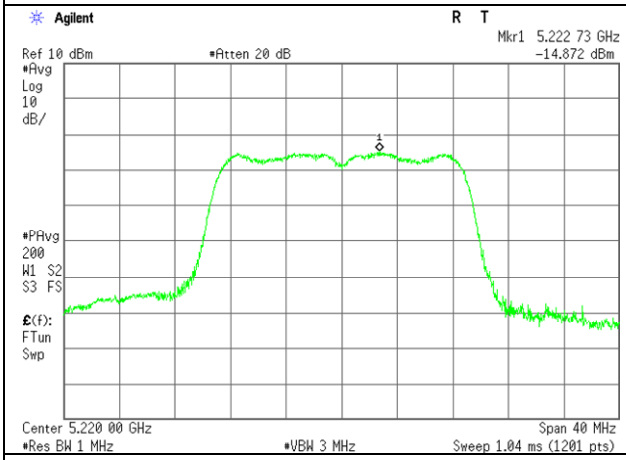
Maximum Power Spectral Density

11n-20 Antenna 1

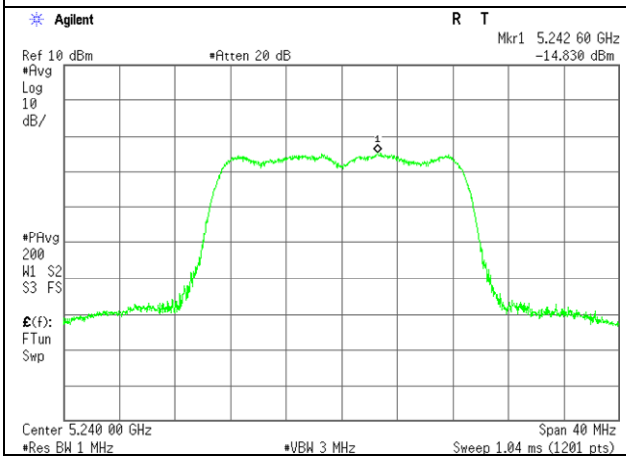
5180MHz



5220MHz

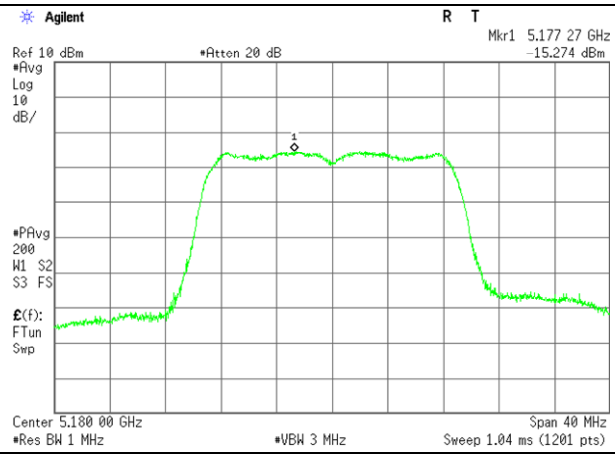


5240MHz

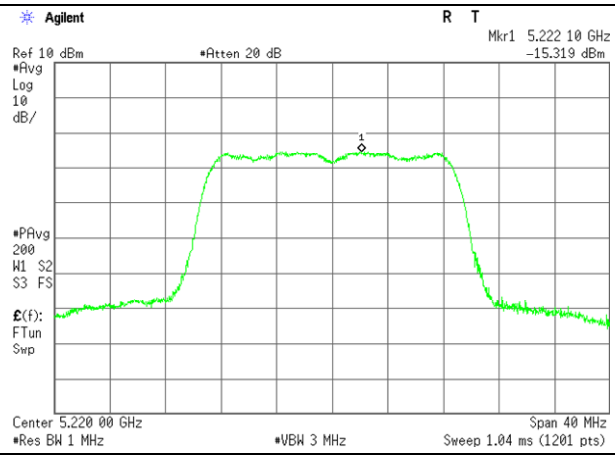


11n-20 Antenna 2

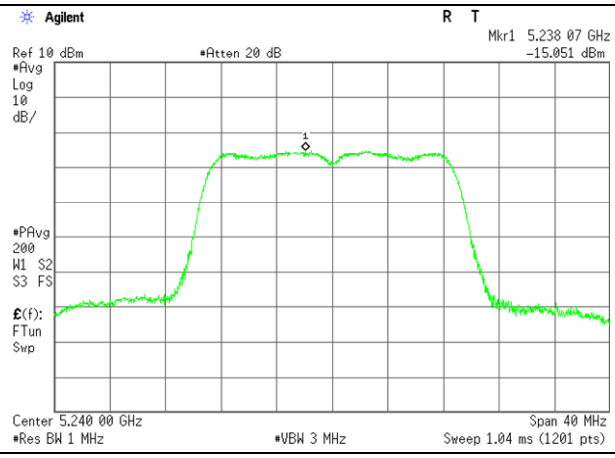
5180MHz



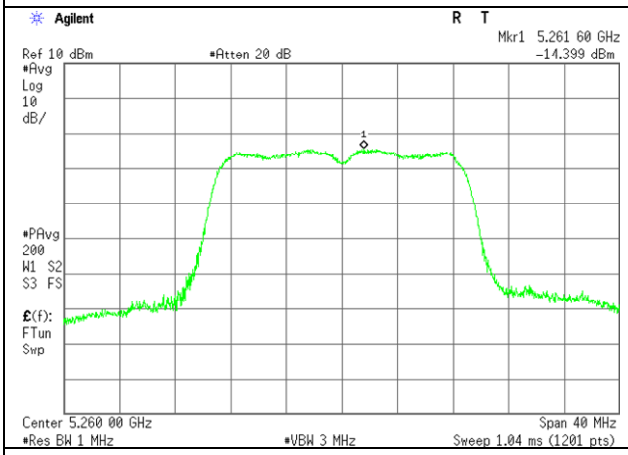
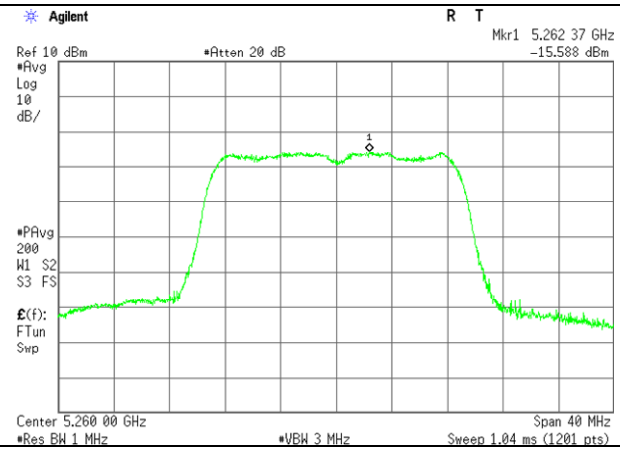
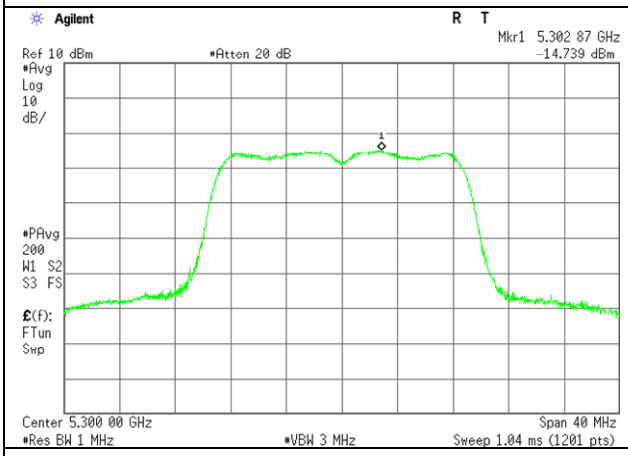
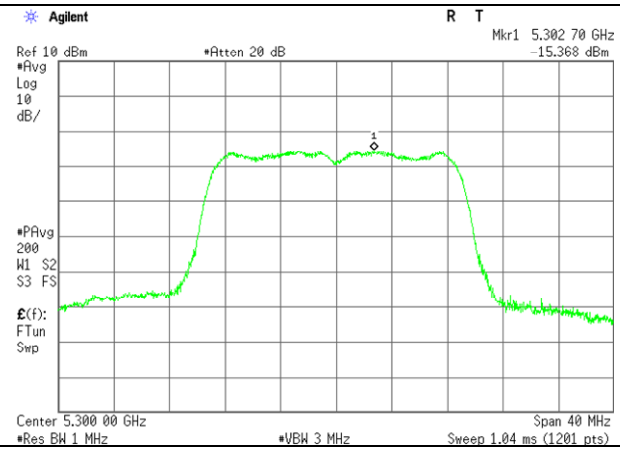
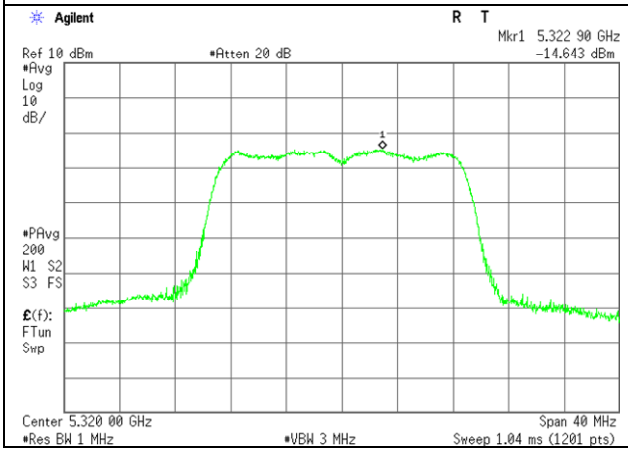
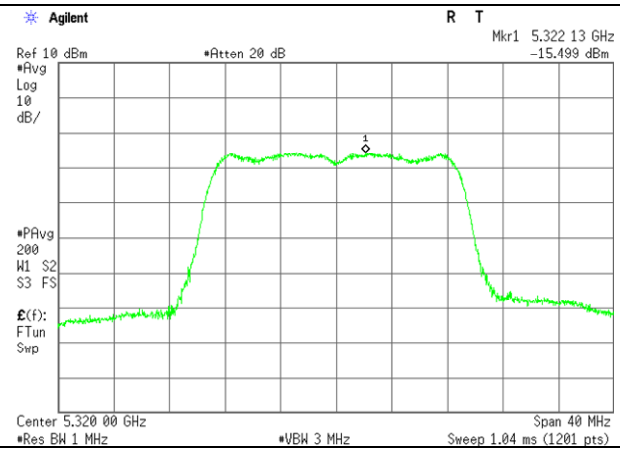
5220MHz



5240MHz



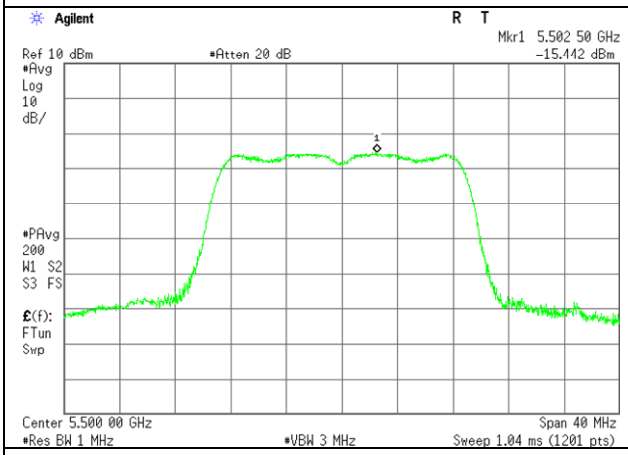
Maximum Power Spectral Density

11n-20 Antenna 1	11n-20 Antenna 2
5260MHz	**5260MHz**
	
5300MHz	**5300MHz**
	
5320MHz	**5320MHz**
	

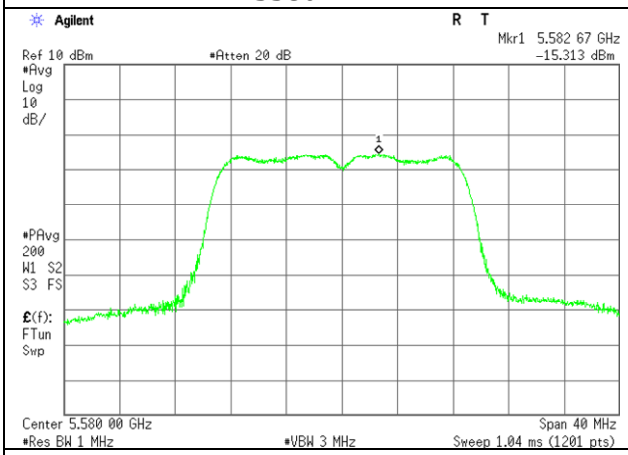
Maximum Power Spectral Density

11n-20 Antenna 1

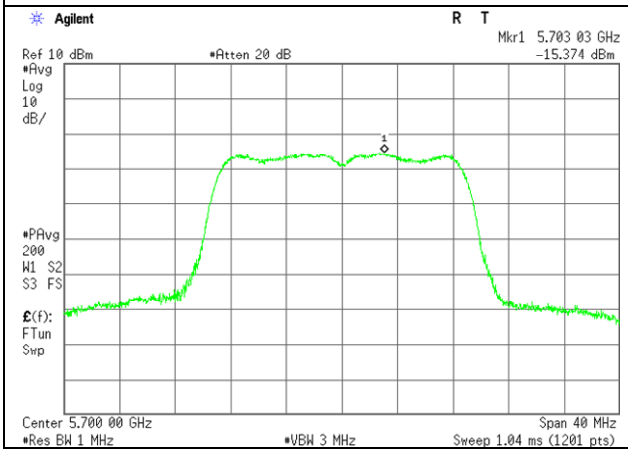
5500MHz



5580MHz

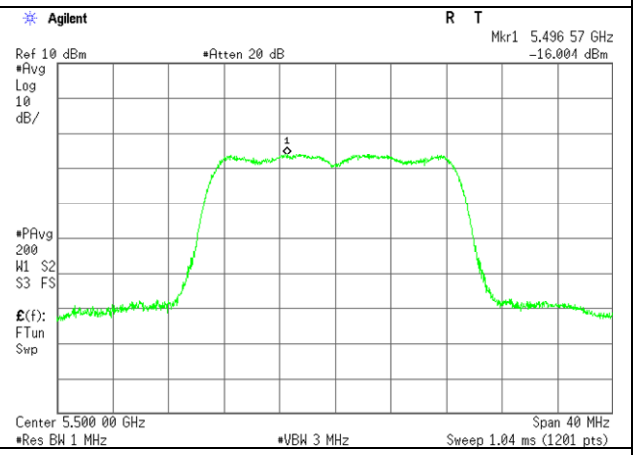


5700MHz

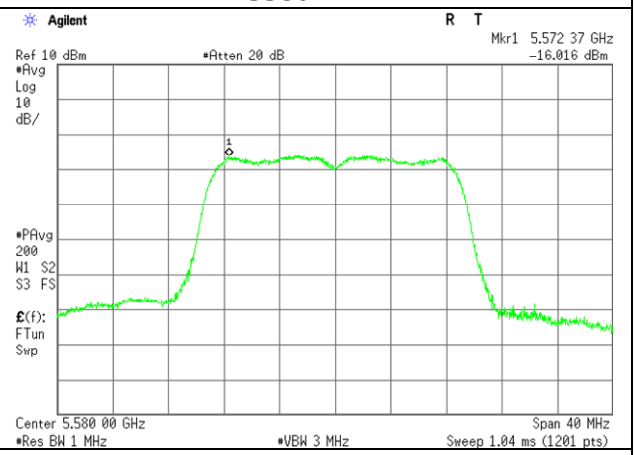


11n-20 Antenna 2

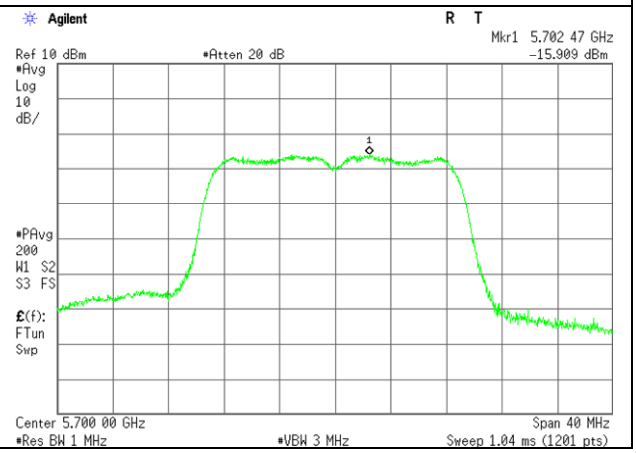
5500MHz



5580MHz



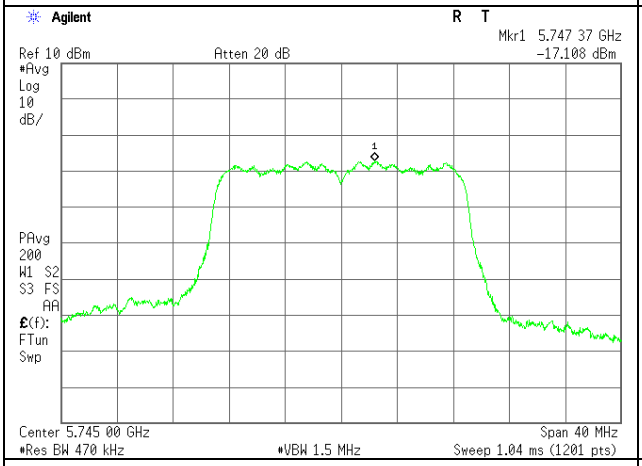
5700MHz



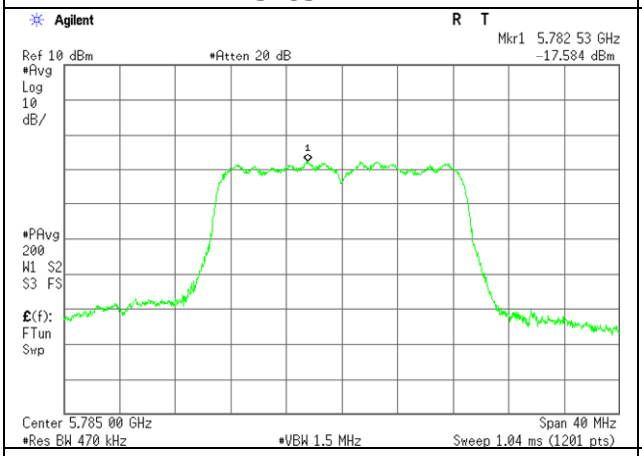
Maximum Power Spectral Density

11n-20 Antenna 1

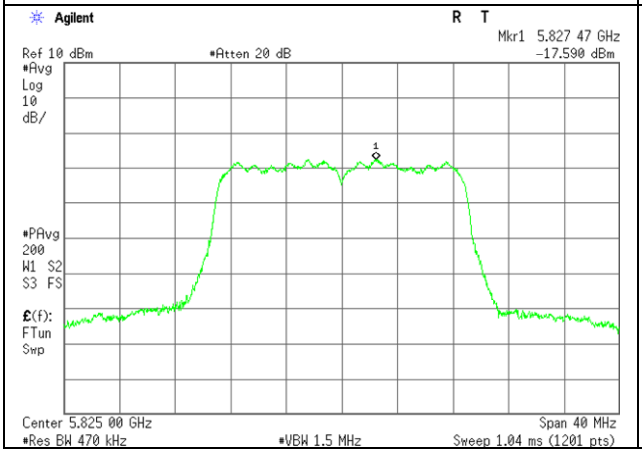
5745MHz



5785MHz

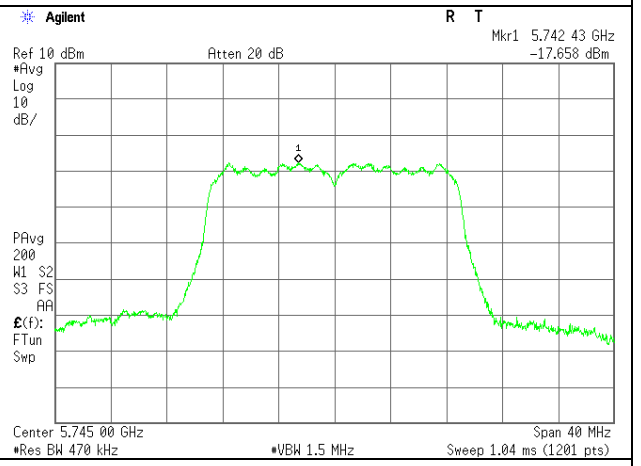


5825MHz

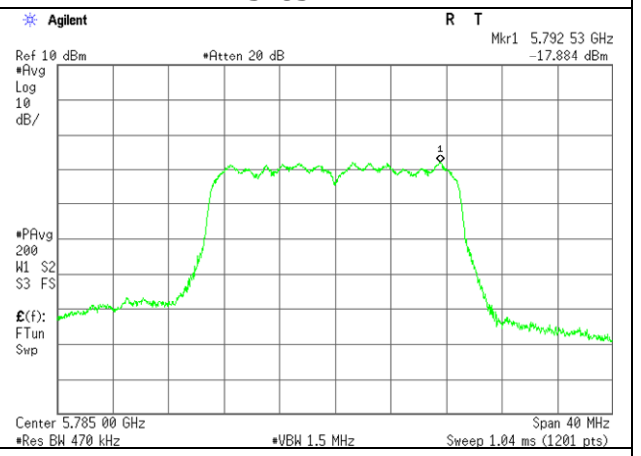


11n-20 Antenna 2

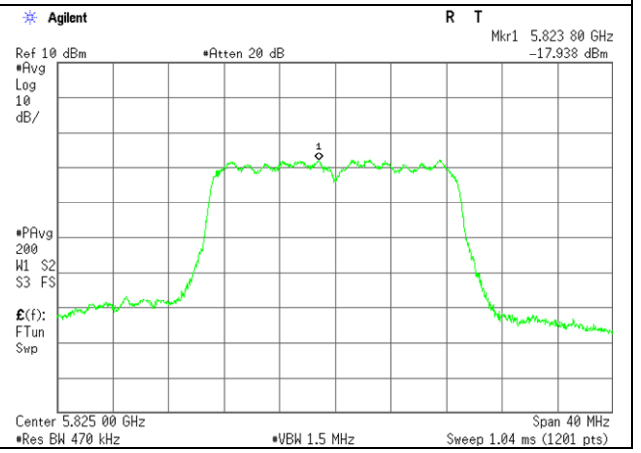
5745MHz



5785MHz



5825MHz



Maximum Power Spectral Density

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	04/13/2015
Temperature/ Humidity	24deg. C / 39% RH
Engineer	Shinichi Miyazono
Mode	11ac-20 Tx

Antenna 1+2

Freq. [MHz]	Result [dBm]	Limit [dBm]	Margin [dB]
5180.0	-1.55	11.00	12.55
5220.0	-1.90	11.00	12.90
5240.0	-2.03	11.00	13.03
5260.0	-1.53	11.00	12.53
5300.0	-1.56	11.00	12.56
5320.0	-1.59	11.00	12.59
5500.0	-2.16	11.00	13.16
5580.0	-2.06	11.00	13.06
5700.0	-1.90	11.00	12.90
5745.0	-3.49	30.00	33.49
5785.0	-3.76	30.00	33.76
5825.0	-3.80	30.00	33.80

Result [dBm] = 10 x log (10 ^ (Ant1 Result [dBm] / 10) + 10 ^ (Ant2 Result [dBm] / 10))

Antenna 1

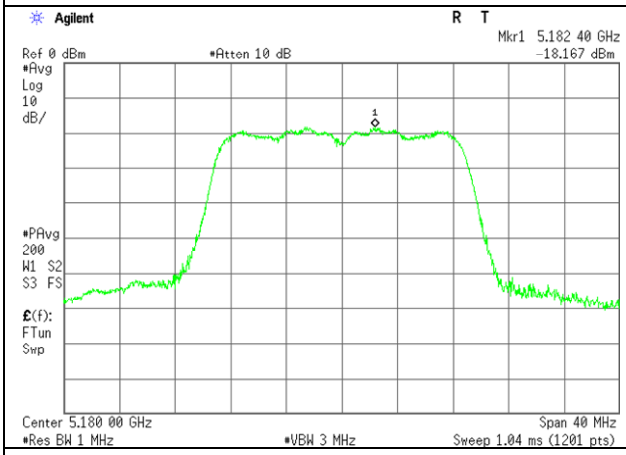
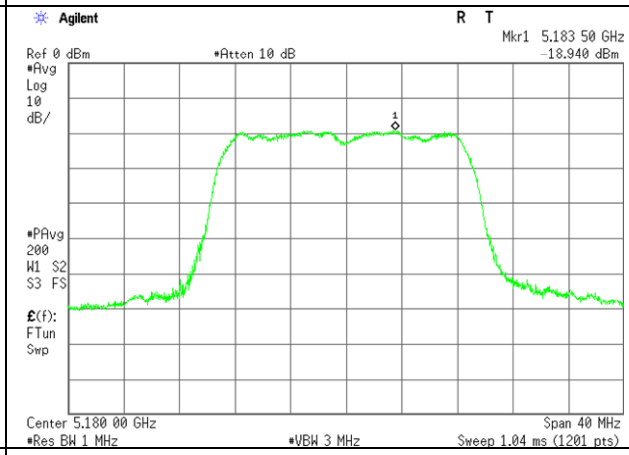
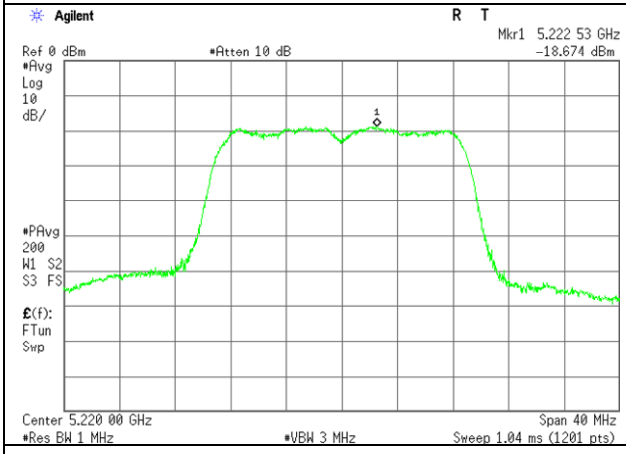
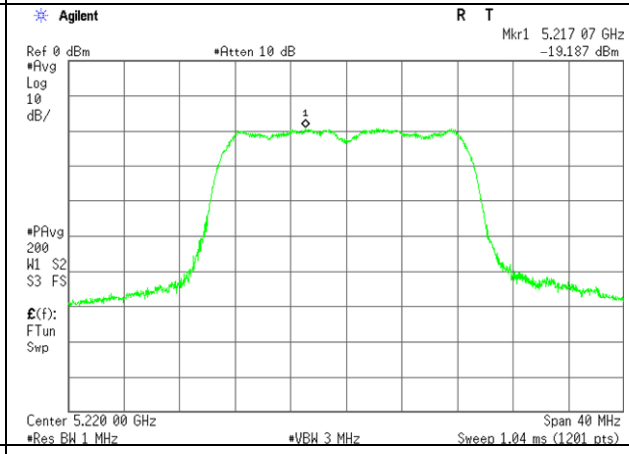
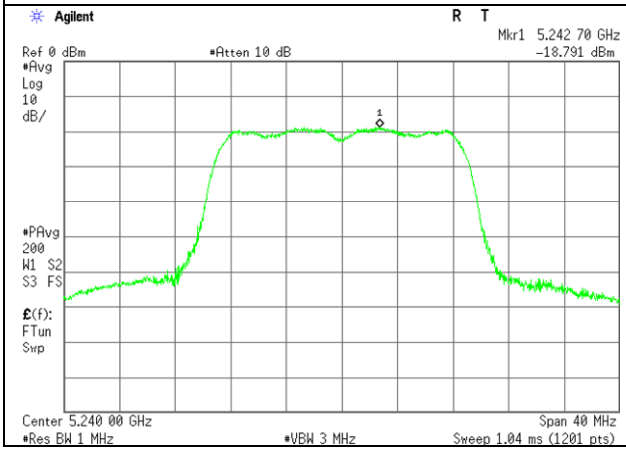
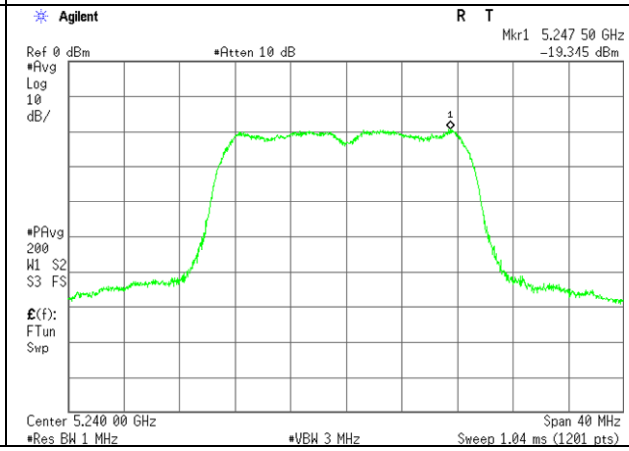
Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Duty Factor [dB]	Correction Factor [dB]	Result [dBm]
5180.0	-18.17	2.71	10.02	1.25	0.00	-4.19
5220.0	-18.67	2.74	10.02	1.25	0.00	-4.66
5240.0	-18.79	2.75	10.02	1.25	0.00	-4.77
5260.0	-17.97	2.76	10.02	1.25	0.00	-3.94
5300.0	-18.52	2.79	10.02	1.25	0.00	-4.46
5320.0	-18.28	2.80	10.02	1.25	0.00	-4.21
5500.0	-19.05	2.92	10.02	1.25	0.00	-4.86
5580.0	-18.73	2.96	10.02	1.25	0.00	-4.50
5700.0	-18.71	3.02	10.02	1.25	0.00	-4.42
5745.0	-20.97	3.05	10.02	1.25	0.27	-6.38
5785.0	-21.22	3.07	10.02	1.25	0.27	-6.61
5825.0	-21.22	3.09	10.02	1.25	0.27	-6.59

Antenna 2

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Duty Factor [dB]	Correction Factor [dB]	Result [dBm]
5180.0	-18.94	2.71	10.02	1.25	0.00	-4.96
5220.0	-19.19	2.74	10.02	1.25	0.00	-5.18
5240.0	-19.35	2.75	10.02	1.25	0.00	-5.33
5260.0	-19.27	2.76	10.02	1.25	0.00	-5.24
5300.0	-18.76	2.79	10.02	1.25	0.00	-4.70
5320.0	-19.11	2.80	10.02	1.25	0.00	-5.04
5500.0	-19.70	2.92	10.02	1.25	0.00	-5.51
5580.0	-19.95	2.96	10.02	1.25	0.00	-5.72
5700.0	-19.75	3.02	10.02	1.25	0.00	-5.46
5745.0	-21.21	3.05	10.02	1.25	0.27	-6.62
5785.0	-21.55	3.07	10.02	1.25	0.27	-6.94
5825.0	-21.67	3.09	10.02	1.25	0.27	-7.04

Result = Reading + Cable Loss + Attenuator + Duty Factor + Correction Factor

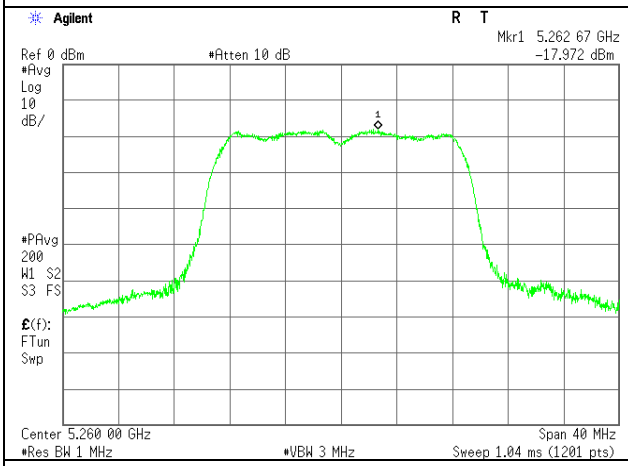
Maximum Power Spectral Density

11ac-20 Antenna 1	11ac-20 Antenna 2
5180MHz	**5180MHz**
	
5220MHz	**5220MHz**
	
5240MHz	**5240MHz**
	

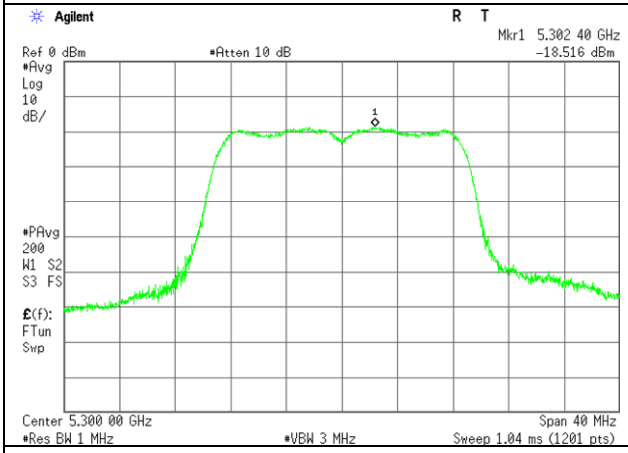
Maximum Power Spectral Density

11ac-20 Antenna 1

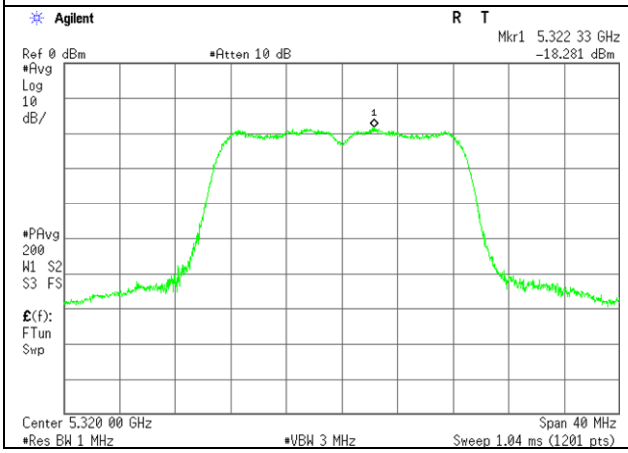
5260MHz



5300MHz

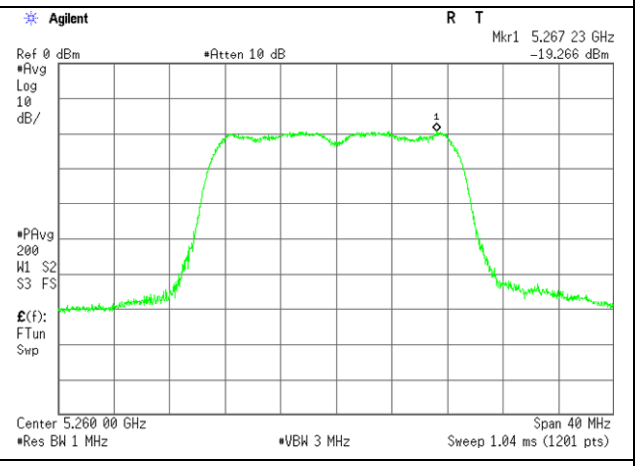


5320MHz

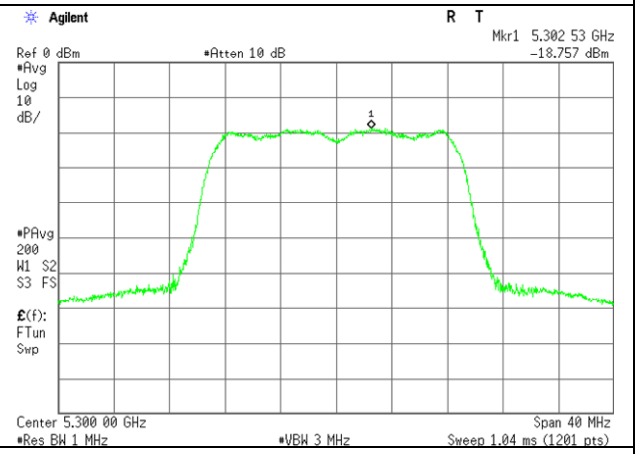


11ac-20 Antenna 2

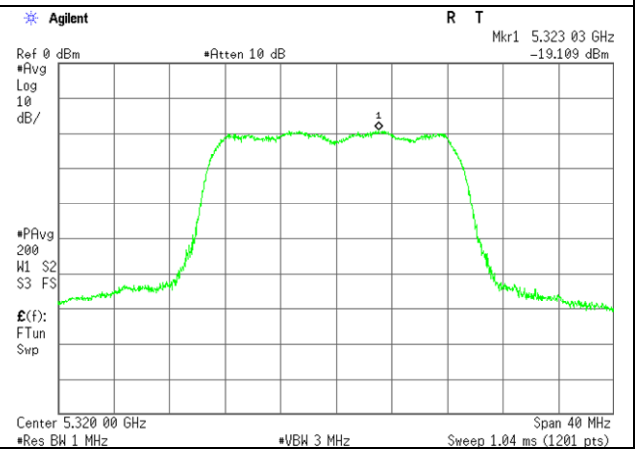
5260MHz



5300MHz



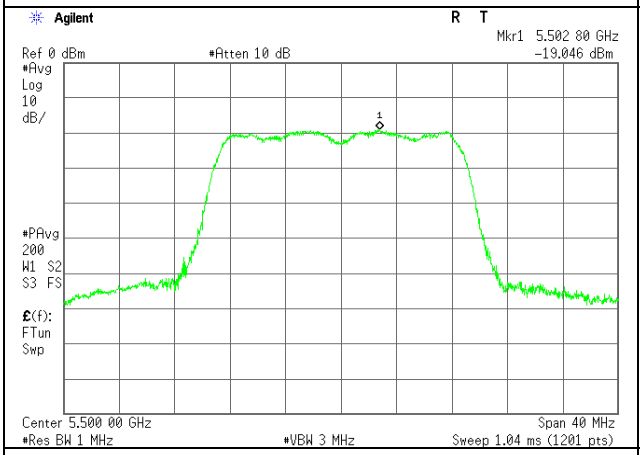
5320MHz



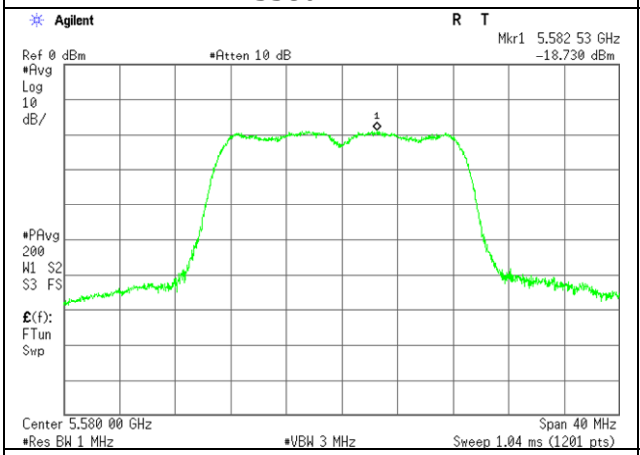
Maximum Power Spectral Density

11ac-20 Antenna 1

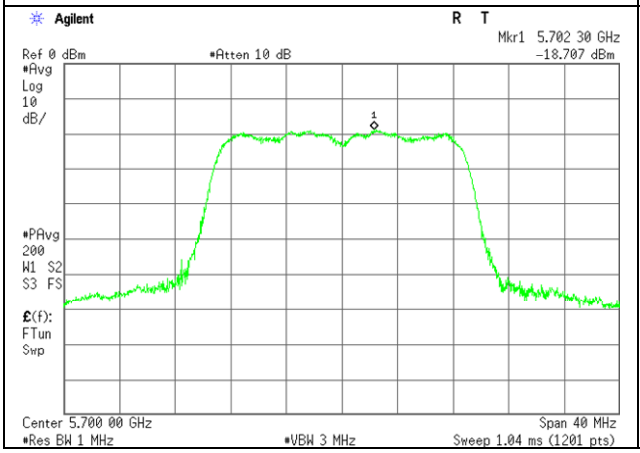
5500MHz



5580MHz

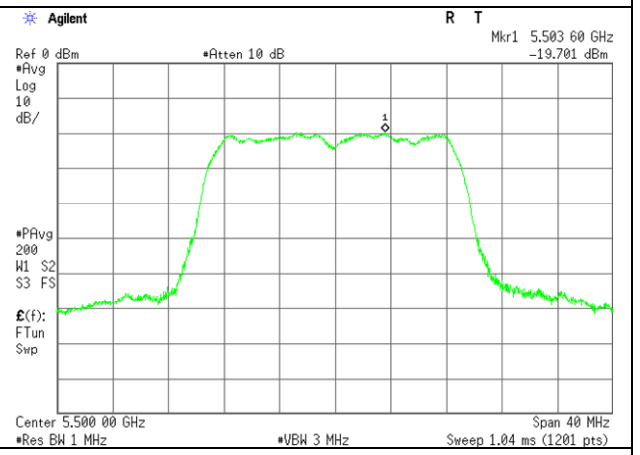


5700MHz

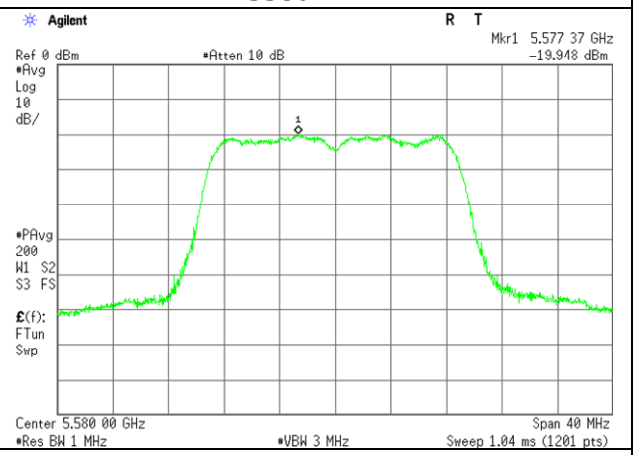


11ac-20 Antenna 2

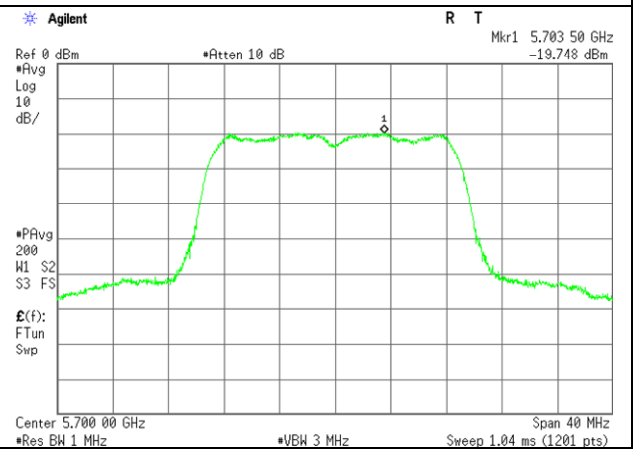
5500MHz



5580MHz



5700MHz



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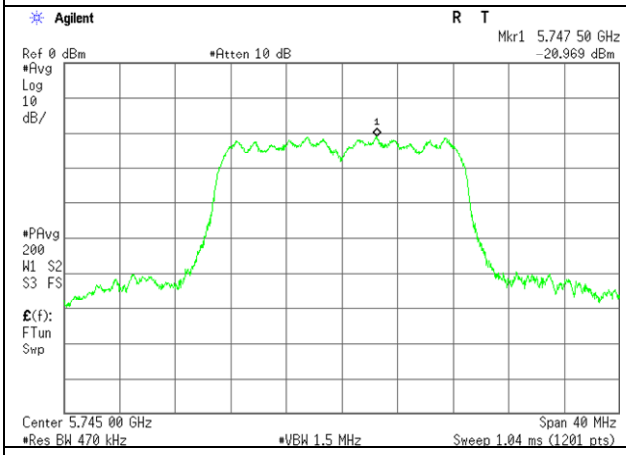
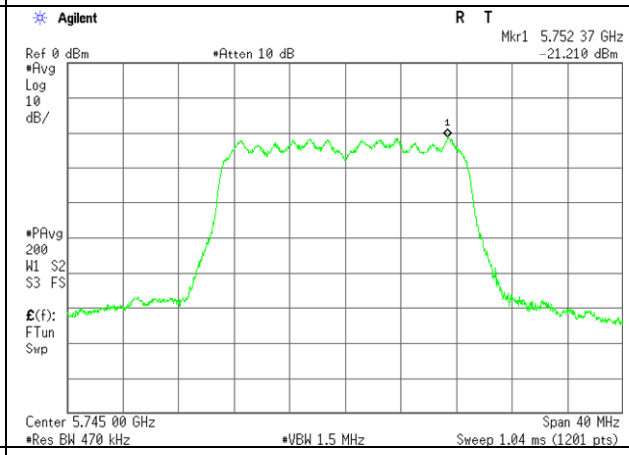
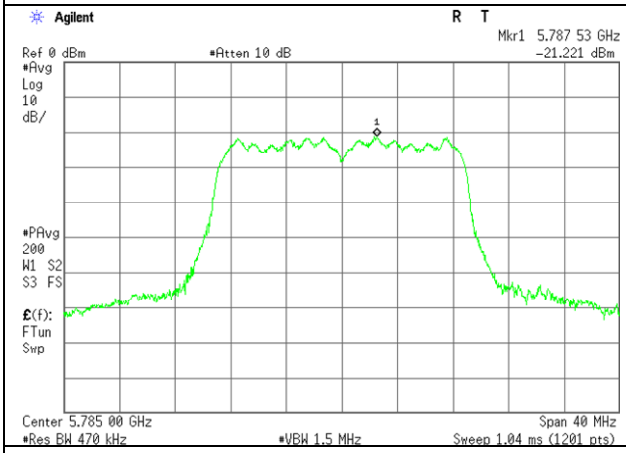
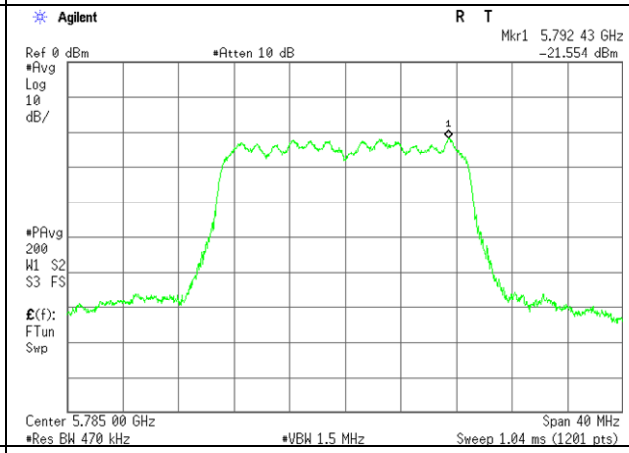
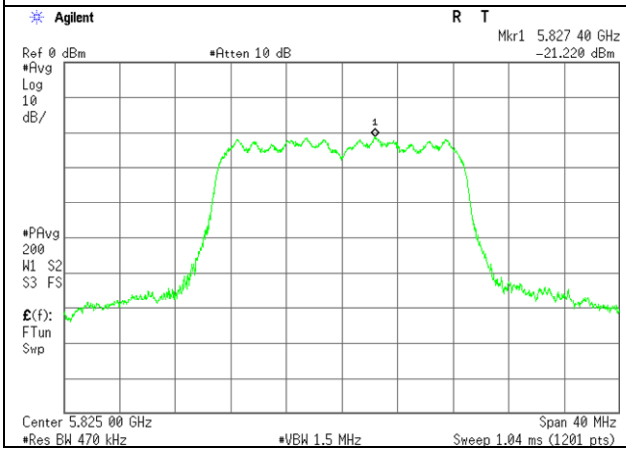
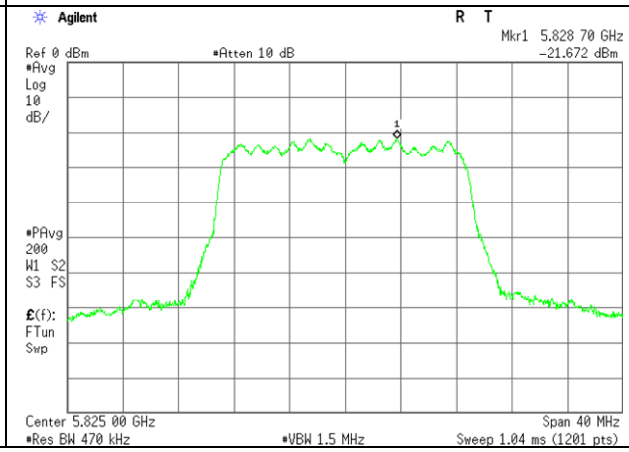
Ise EMC Lab.
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN
Telephone : +81 596 24 8999
Facsimile : +81 596 24 8124

Maximum Power Spectral Density

11ac-20 Antenna 1	11ac-20 Antenna 2
5745MHz	**5745MHz**
	
5785MHz	**5785MHz**
	
5825MHz	**5825MHz**
	

Maximum Power Spectral Density

Test place	Ise EMC Lab. No.11 Measurement Room	
Report No.	10689818H	
Date	04/13/2015	06/02/2015
Temperature/ Humidity	24deg. C / 39% RH	23deg. C / 68% RH
Engineer	Shinichi Miyazono	Takafumi Noguchi
Mode	11n-40 Tx	

Antenna 1

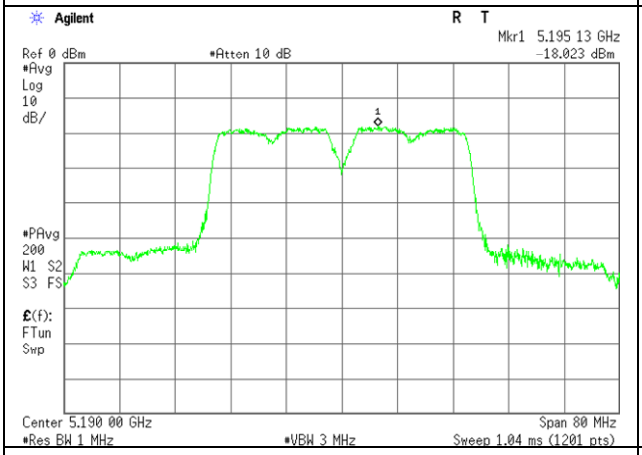
Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Correction Factor [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
5190.0	-18.02	2.72	10.01	1.79	0.00	-3.50	11.00	14.50
5230.0	-14.71	2.74	10.01	1.79	0.00	-0.17	11.00	11.17
5270.0	-14.24	2.77	10.01	1.79	0.00	0.33	11.00	10.67
5310.0	-16.75	2.80	10.01	1.79	0.00	-2.15	11.00	13.15
5510.0	-16.07	2.92	10.02	1.79	0.00	-1.34	11.00	12.34
5550.0	-15.29	2.95	10.02	1.79	0.00	-0.53	11.00	11.53
5670.0	-15.16	3.01	10.02	1.79	0.00	-0.34	11.00	11.34
5755.0	-17.64	3.05	10.02	1.79	0.27	-2.51	30.00	32.51
5795.0	-16.85	3.08	10.02	1.79	0.27	-1.69	30.00	31.69

Result = Reading + Cable Loss + Attenuator + Duty factor + Correction factor

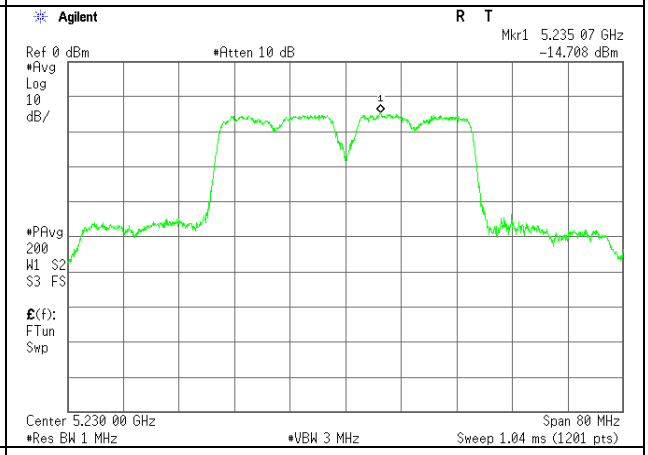
Maximum Power Spectral Density

11n-40 Antenna 1

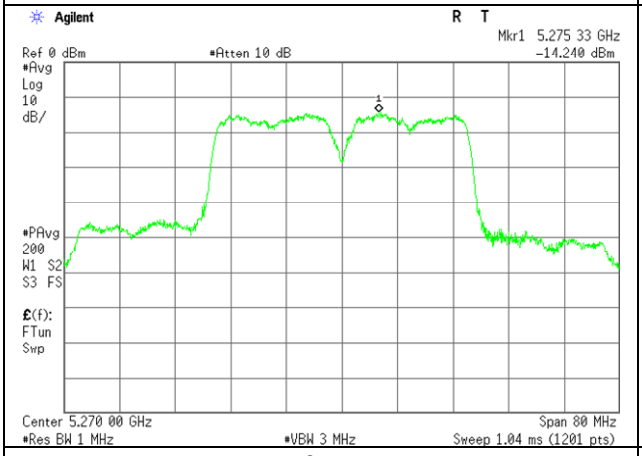
5190MHz



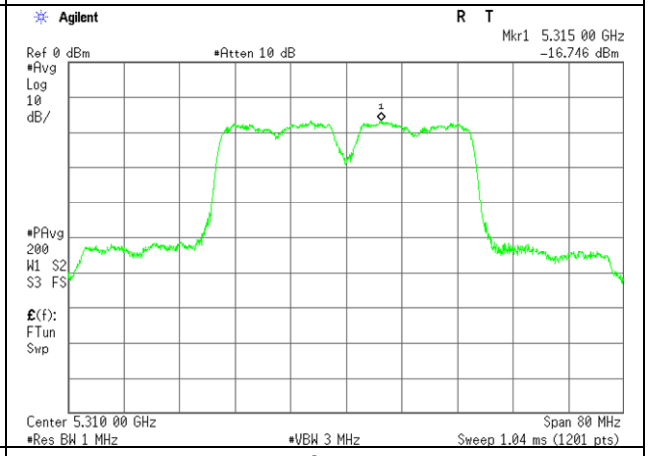
5230MHz



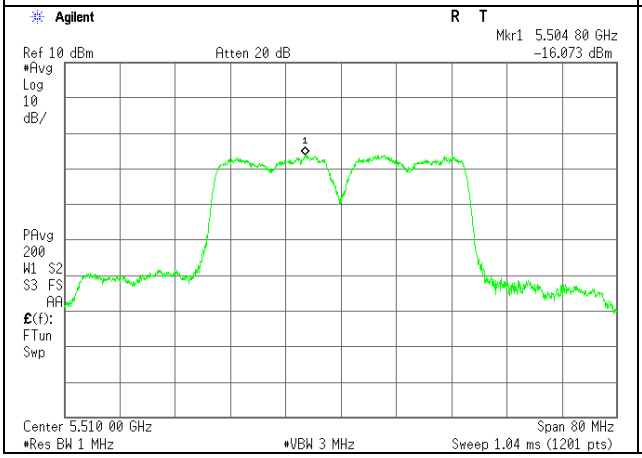
5270MHz



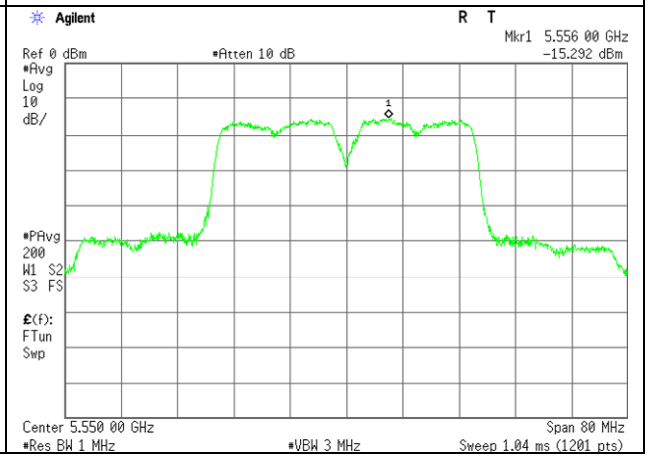
5310MHz



5510MHz



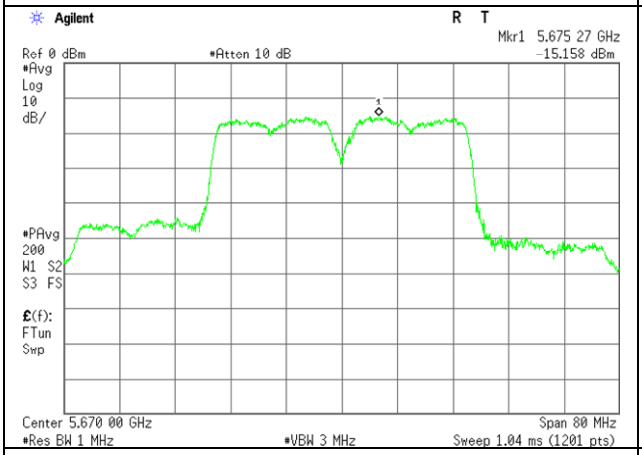
5550MHz



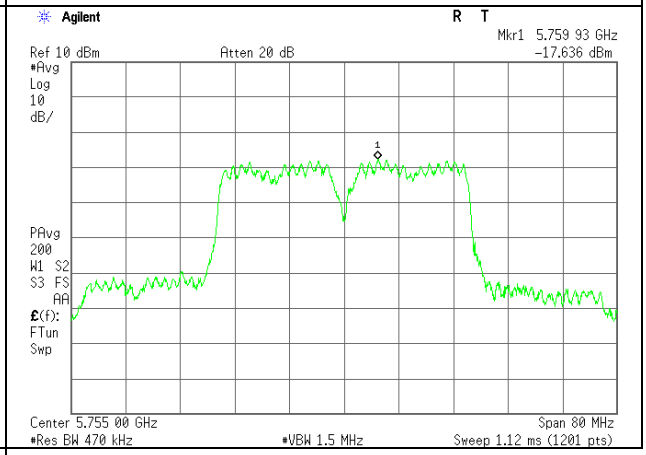
Maximum Power Spectral Density

11n-40 Antenna 1

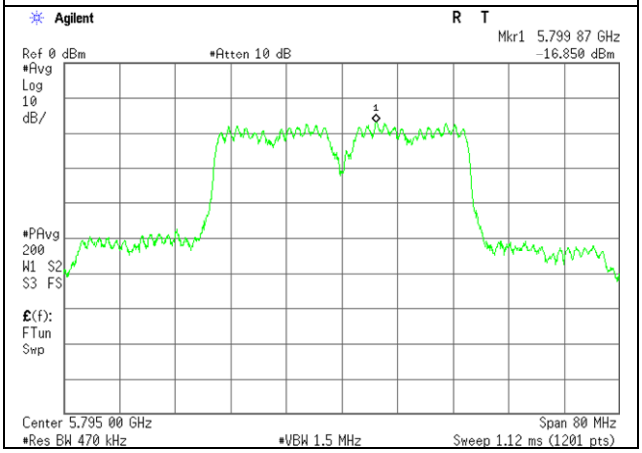
5670MHz



5755MHz



5795MHz



Maximum Power Spectral Density

Test place	Ise EMC Lab. No.11 Measurement Room	
Report No.	10689818H	
Date	04/13/2015	06/02/2015
Temperature/ Humidity	24deg. C / 39% RH	23deg. C / 68% RH
Engineer	Shinichi Miyazono	Takafumi Noguchi
Mode	11ac-40 Tx	

Antenna 1+2

Freq. [MHz]	Result [dBm]	Limit [dBm]	Margin [dB]
5190.0	-5.17	11.00	16.17
5230.0	-4.92	11.00	15.92
5270.0	-4.66	11.00	15.66
5310.0	-4.39	11.00	15.39
5510.0	-5.16	11.00	16.16
5550.0	-5.20	11.00	16.20
5670.0	-4.92	11.00	15.92
5755.0	-6.56	30.00	36.56
5795.0	-6.47	30.00	36.47

Result [dBm] = 10 x log (10 ^ (Ant1 Result [dBm] / 10) + 10 ^ (Ant2 Result [dBm] / 10))

Antenna 1

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Duty Factor [dB]	Correction Factor [dB]	Result [dBm]
5190.0	-21.94	2.72	10.01	1.35	0.00	-7.86
5230.0	-22.00	2.74	10.01	1.35	0.00	-7.90
5270.0	-21.54	2.77	10.01	1.35	0.00	-7.41
5310.0	-21.19	2.80	10.01	1.35	0.00	-7.03
5510.0	-22.15	2.92	10.02	1.35	0.00	-7.86
5550.0	-22.18	2.95	10.02	1.35	0.00	-7.86
5670.0	-22.16	3.01	10.02	1.35	0.00	-7.78
5755.0	-24.01	3.05	10.02	1.35	0.27	-9.32
5795.0	-23.90	3.08	10.02	1.35	0.27	-9.18

Antenna 2

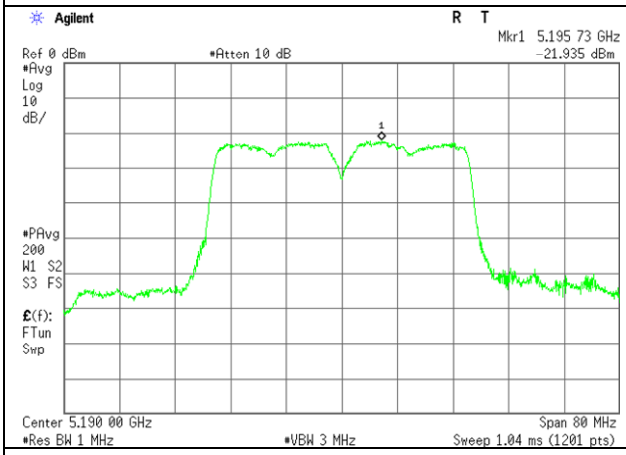
Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Duty Factor [dB]	Correction Factor [dB]	Result [dBm]
5180.0	-22.62	2.72	10.01	1.35	0.00	-8.54
5220.0	-22.06	2.74	10.01	1.35	0.00	-7.96
5270.0	-22.08	2.77	10.01	1.35	0.00	-7.95
5310.0	-21.96	2.80	10.01	1.35	0.00	-7.80
5510.0	-22.79	2.92	10.02	1.35	0.00	-8.50
5550.0	-22.91	2.95	10.02	1.35	0.00	-8.59
5670.0	-22.46	3.01	10.02	1.35	0.00	-8.08
5755.0	-24.53	3.05	10.02	1.35	0.27	-9.84
5795.0	-24.53	3.08	10.02	1.35	0.27	-9.81

Result = Reading + Cable Loss + Attenuator + Duty Factor + Correction Factor

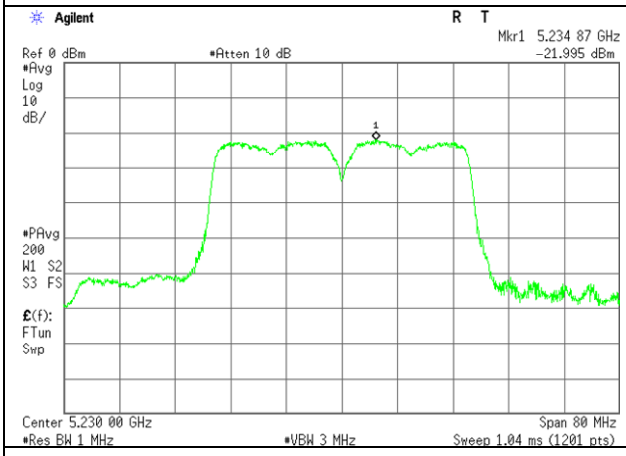
Maximum Power Spectral Density

11ac-40 Antenna 1

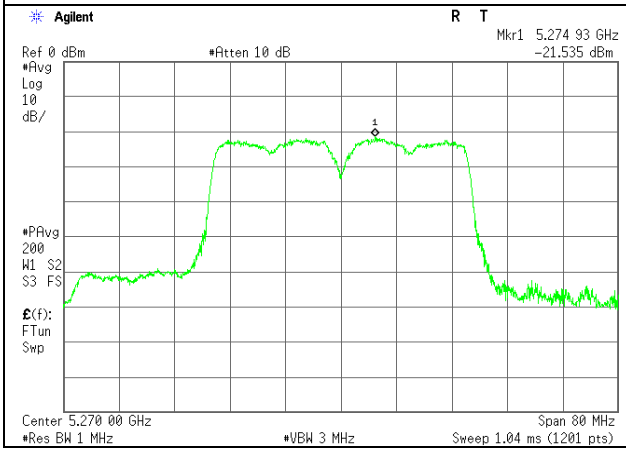
5190MHz



5230MHz

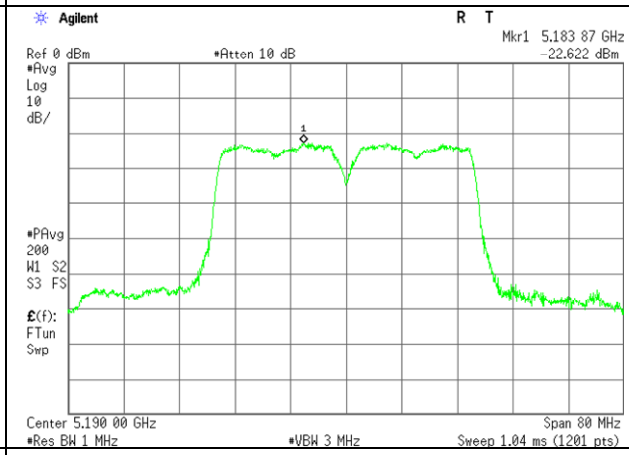


5270MHz

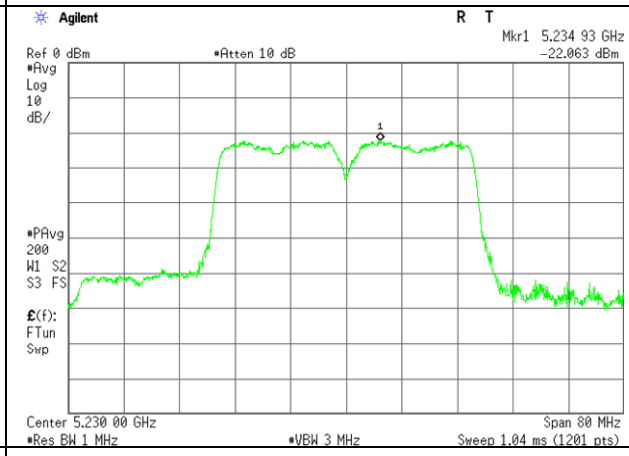


11ac-40 Antenna 2

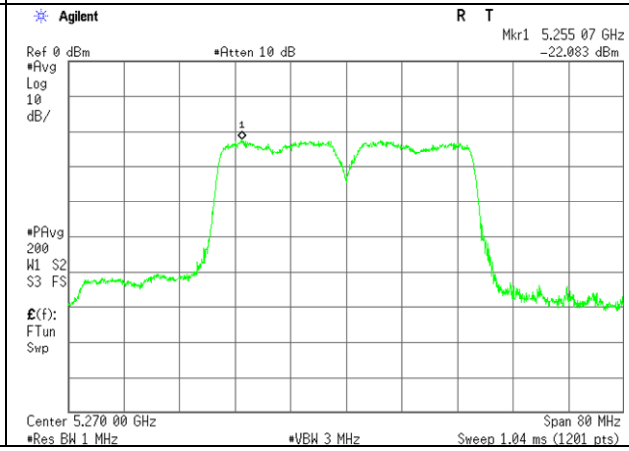
5190MHz



5230MHz



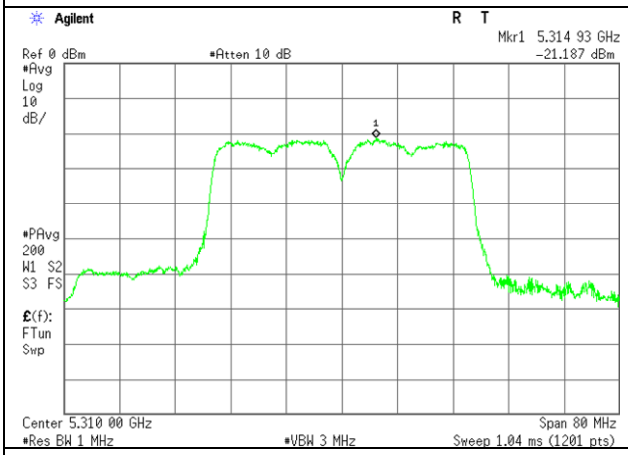
5270MHz



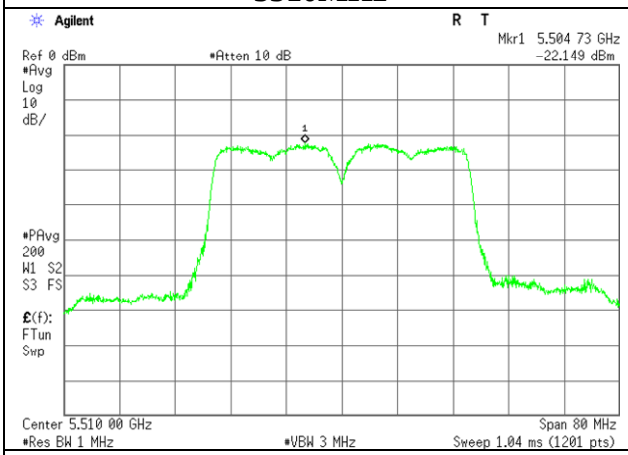
Maximum Power Spectral Density

11ac-40 Antenna 1

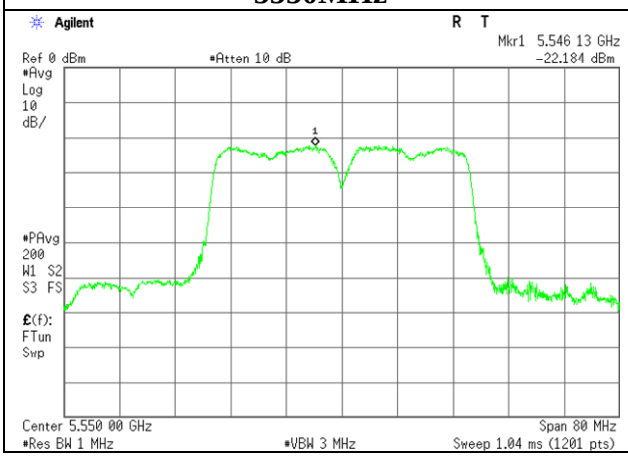
5310MHz



5510MHz

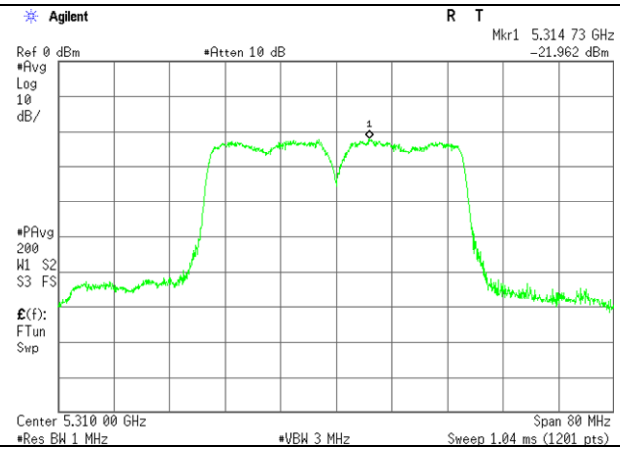


5550MHz

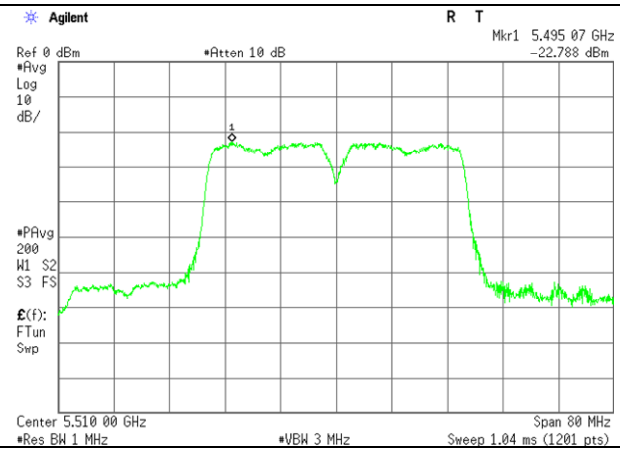


11ac-40 Antenna 2

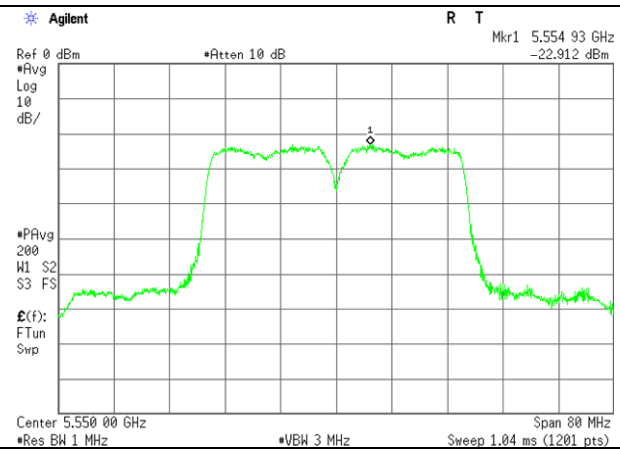
5310MHz



5510MHz



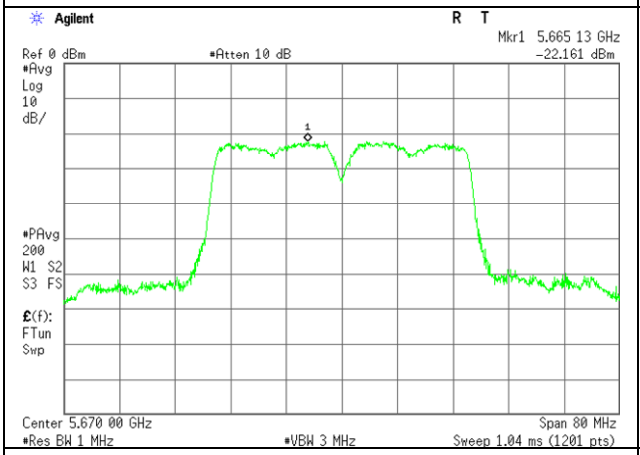
5550MHz



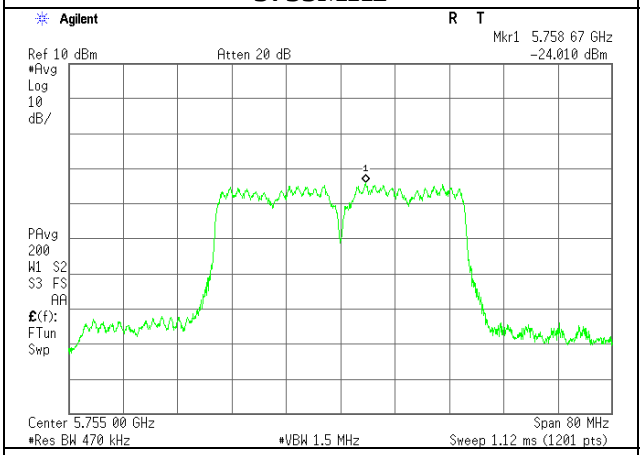
Maximum Power Spectral Density

11ac-40 Antenna 1

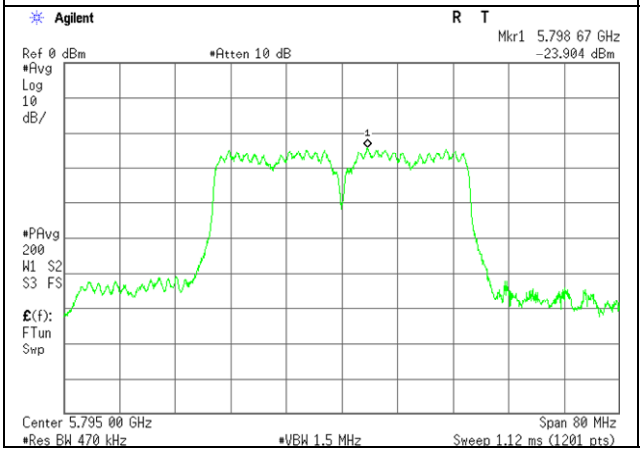
5670MHz



5755MHz

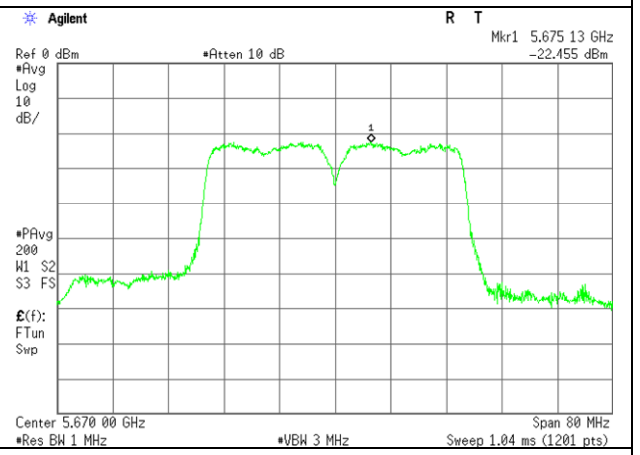


5795MHz

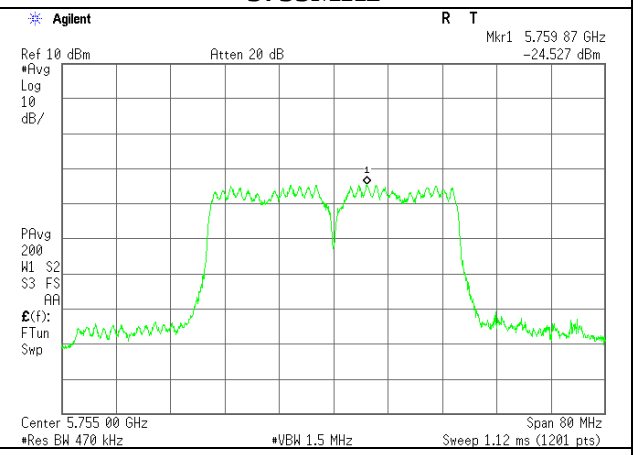


11ac-40 Antenna 2

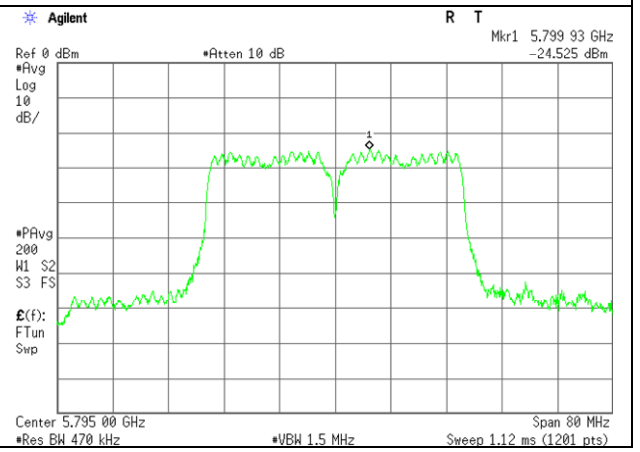
5670MHz



5755MHz



5795MHz



Maximum Power Spectral Density

Test place	Ise EMC Lab. No.11 Measurement Room
Report No.	10689818H
Date	05/16/2015
Temperature/ Humidity	25deg. C / 41% RH
Engineer	Shinichi Miyazono
Mode	11ac-80 Tx

Antenna 1+2

Freq. [MHz]	Result [dBm]	Limit [dBm]	Margin [dB]
5210.0	-10.10	11.00	21.10
5290.0	-8.72	11.00	19.72
5530.0	-9.20	11.00	20.20
5610.0	-8.78	11.00	19.78
5775.0	-11.65	30.00	41.65

Result [dBm] = 10 x log (10 ^ (Ant1 Result [dBm] / 10) + 10 ^ (Ant2 Result [dBm] / 10))

Antenna 1

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Duty Factor [dB]	Correction Factor [dB]	Result [dBm]
5210.0	-26.69	2.73	10.01	1.27	0.00	-12.68
5290.0	-25.69	2.78	10.01	1.27	0.00	-11.63
5530.0	-26.11	2.93	10.02	1.27	0.00	-11.89
5610.0	-25.52	2.98	10.02	1.27	0.00	-11.25
5775.0	-29.08	3.06	10.02	1.27	0.27	-14.46

Antenna 2

Freq. [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Duty Factor [dB]	Correction Factor [dB]	Result [dBm]
5210.0	-27.59	2.73	10.01	1.27	0.00	-13.58
5290.0	-25.90	2.78	10.01	1.27	0.00	-11.84
5530.0	-26.77	2.93	10.02	1.27	0.00	-12.55
5610.0	-26.67	2.98	10.02	1.27	0.00	-12.40
5775.0	-29.50	3.06	10.02	1.27	0.27	-14.88

Result = Reading + Cable Loss + Attenuator + Duty Factor + Correction Factor