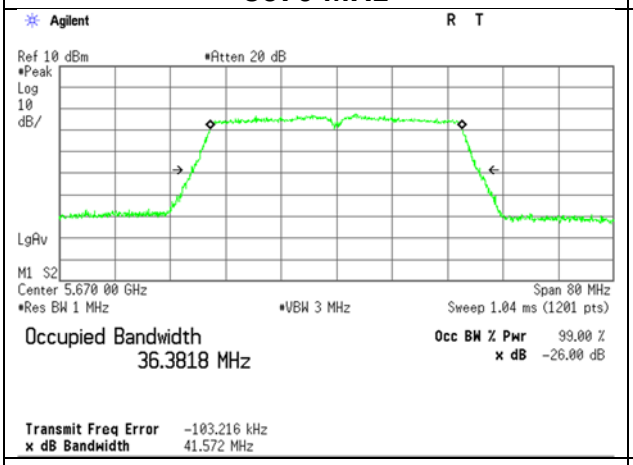
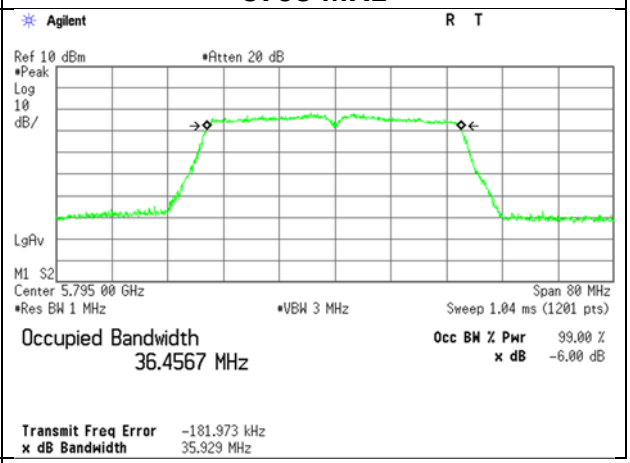
99 % Occupied Bandwidth

11ac-40 (SISO), Chain 2

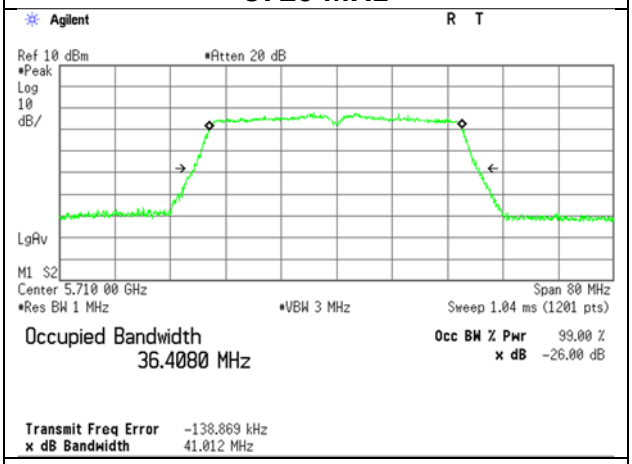
5670 MHz



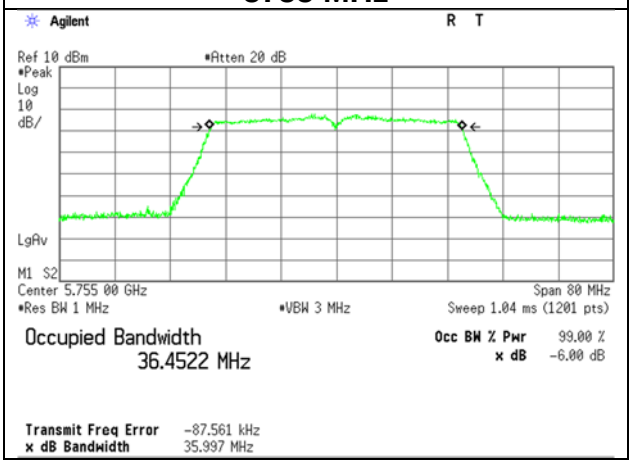
5795 MHz



5710 MHz



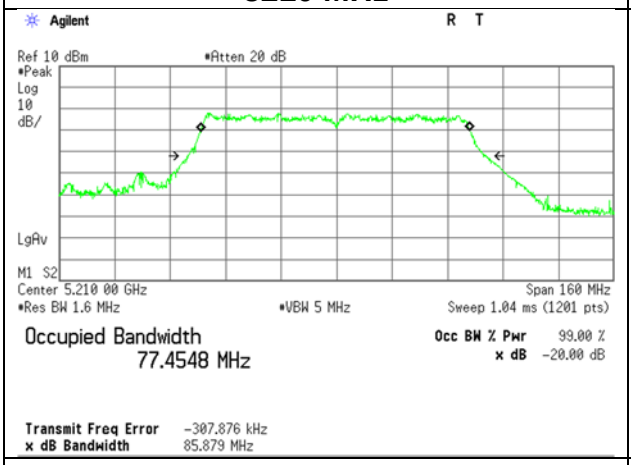
5755 MHz



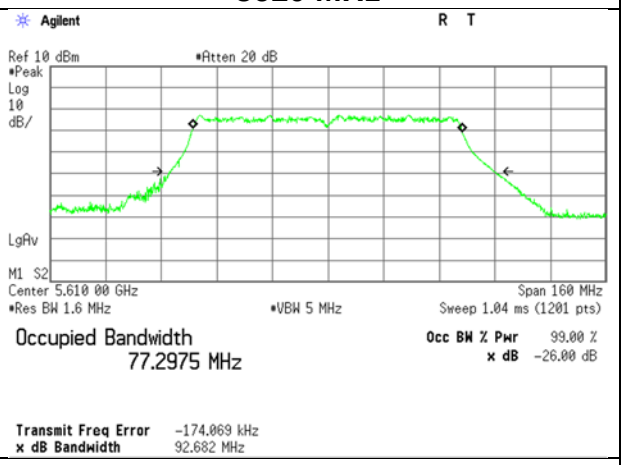
99 % Occupied Bandwidth

11ac-80 (SISO), Chain 2

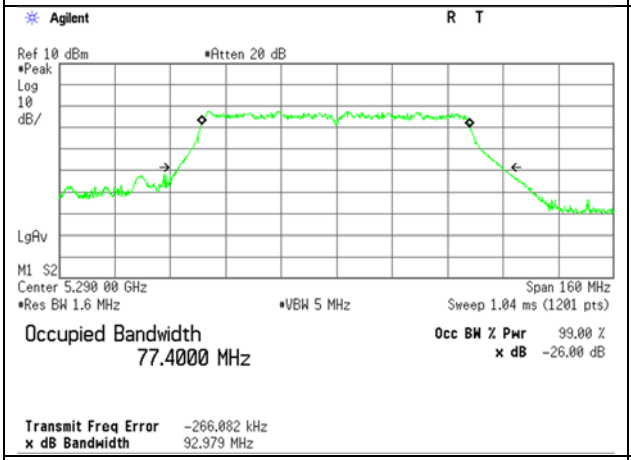
5210 MHz



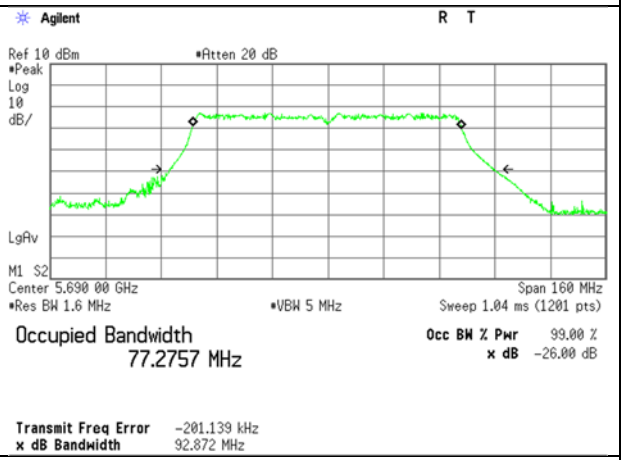
5610 MHz



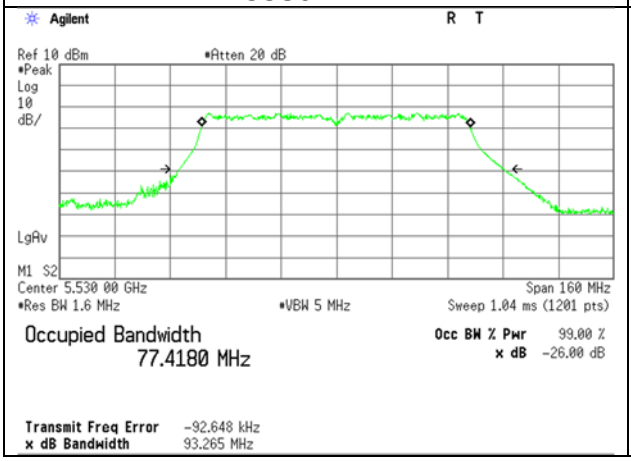
5290 MHz



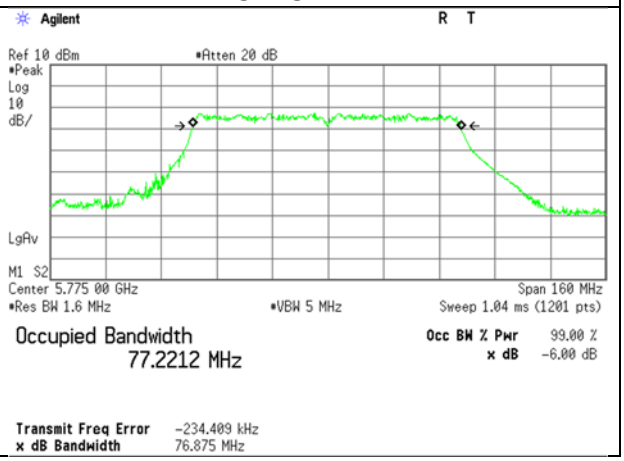
5690 MHz



5530 MHz



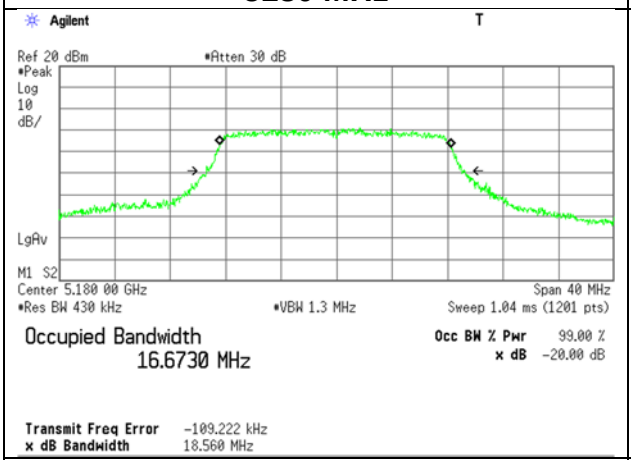
5775 MHz



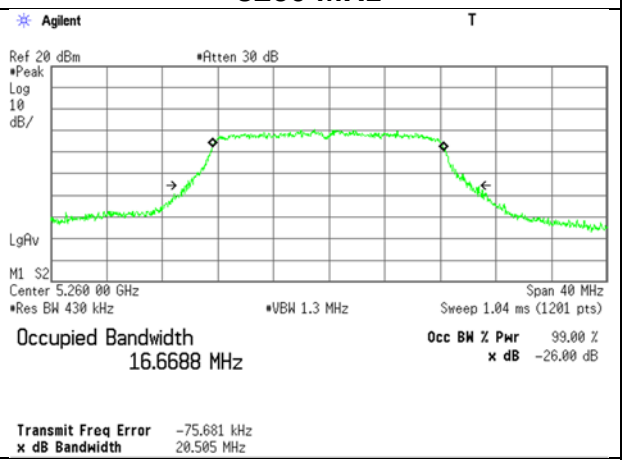
99 % Occupied Bandwidth

11a (CDD), Chain 2

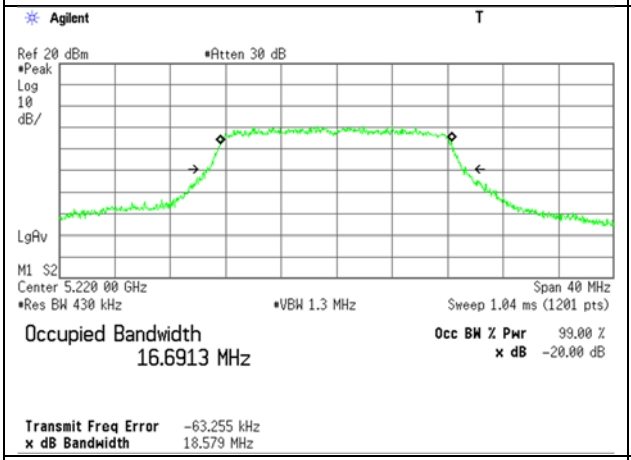
5180 MHz



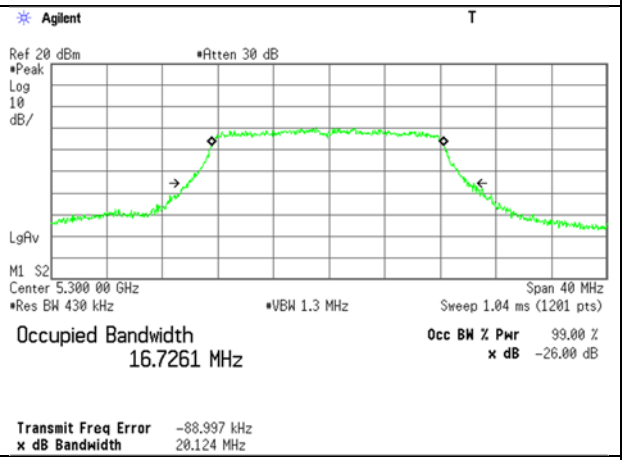
5260 MHz



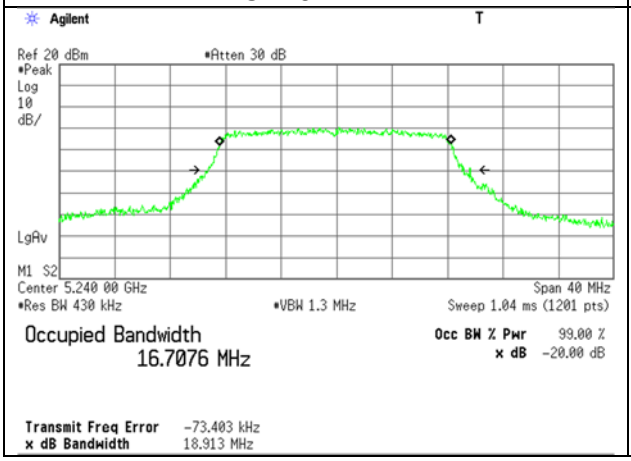
5220 MHz



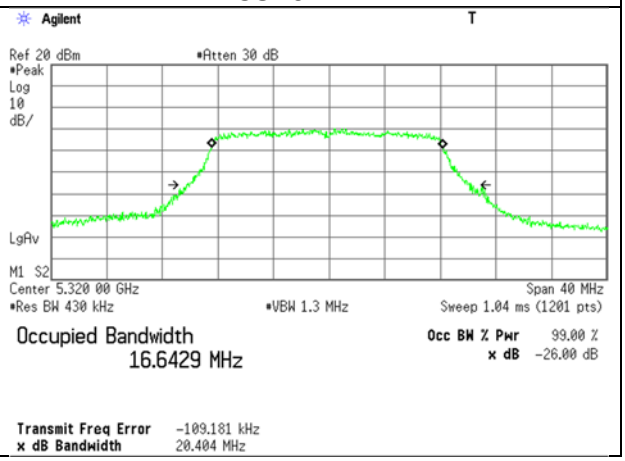
5300 MHz



5240 MHz



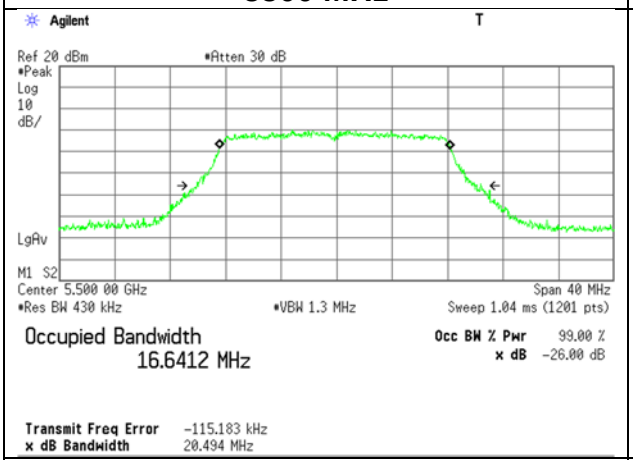
5320 MHz



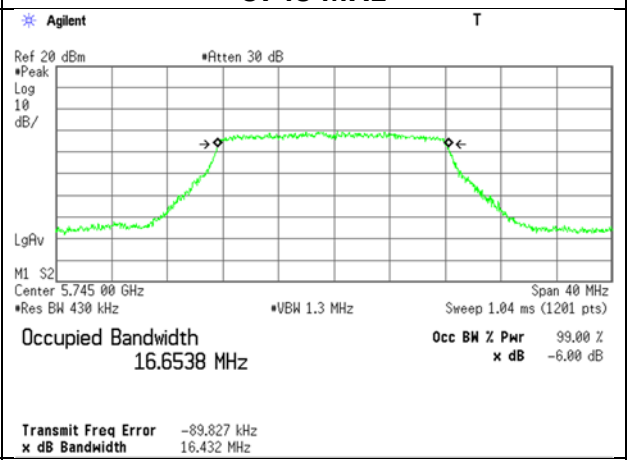
99 % Occupied Bandwidth

11a (CDD), Chain 2

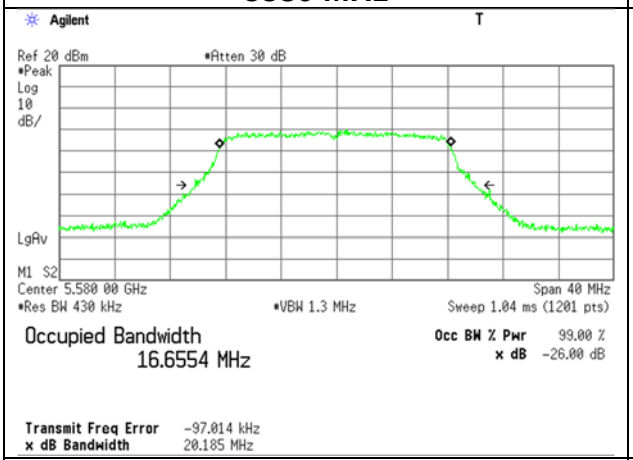
5500 MHz



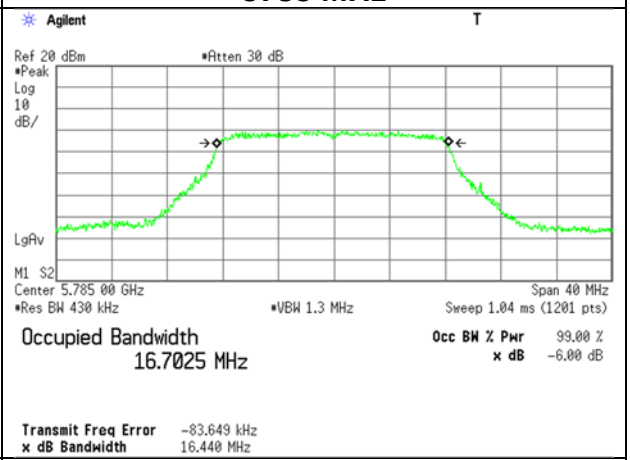
5745 MHz



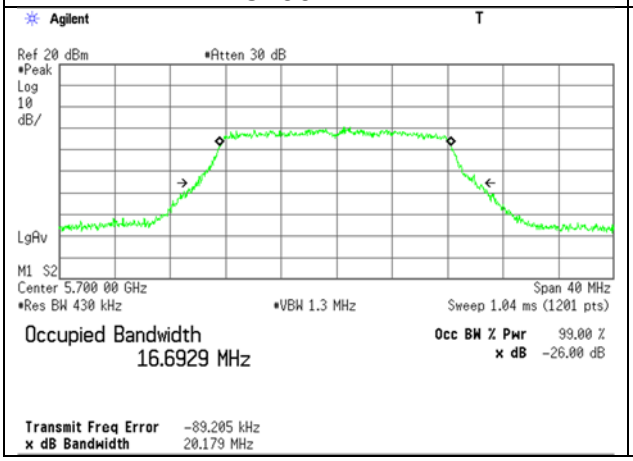
5580 MHz



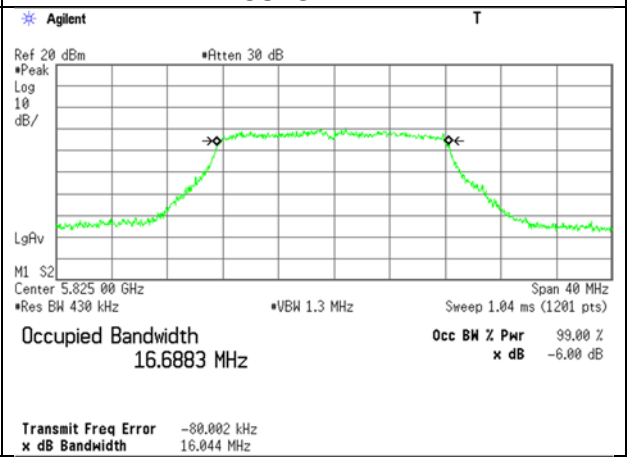
5785 MHz



5700 MHz



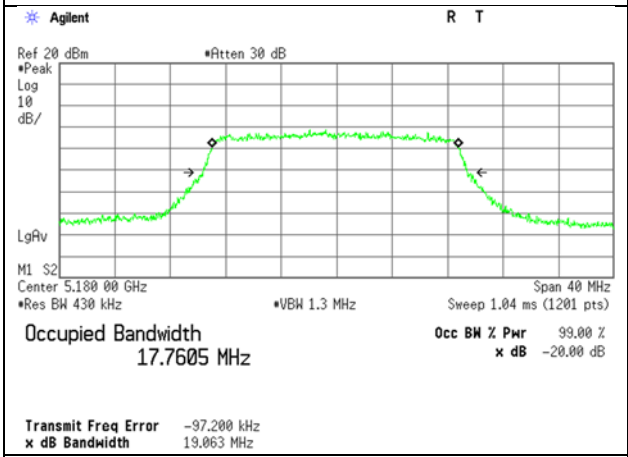
5825 MHz



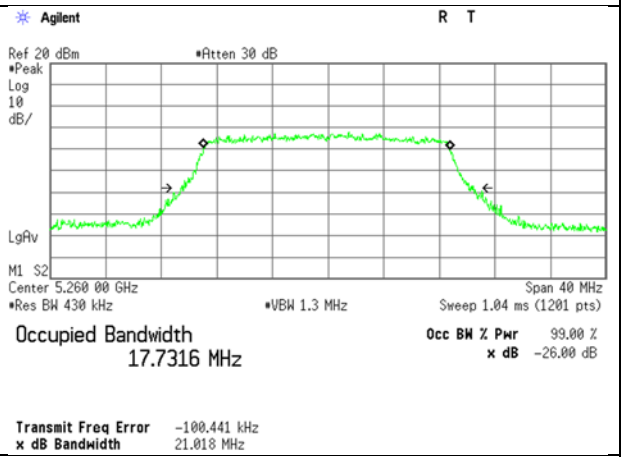
99 % Occupied Bandwidth

11n-20 (CDD), Chain 2

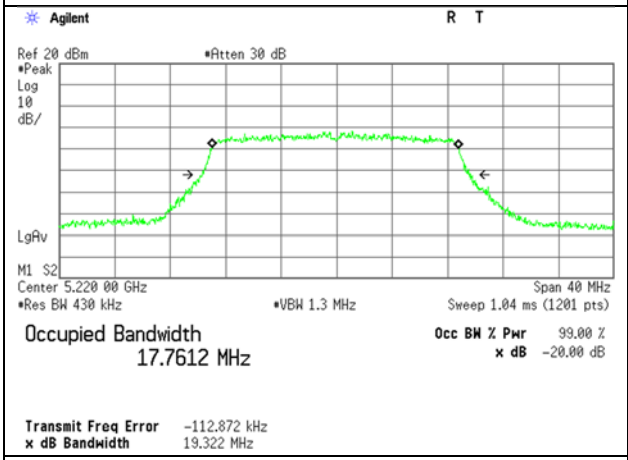
5180 MHz



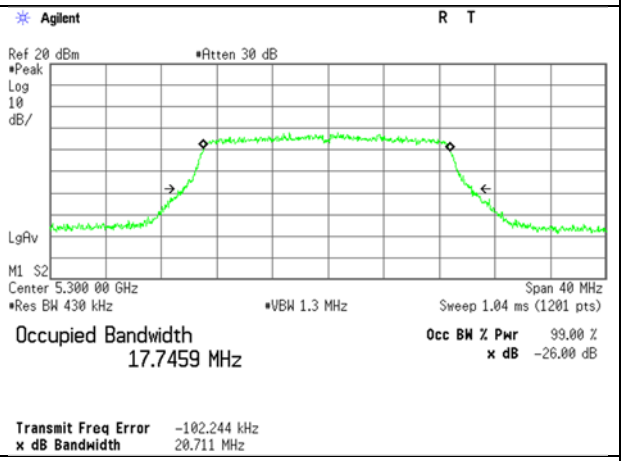
5260 MHz



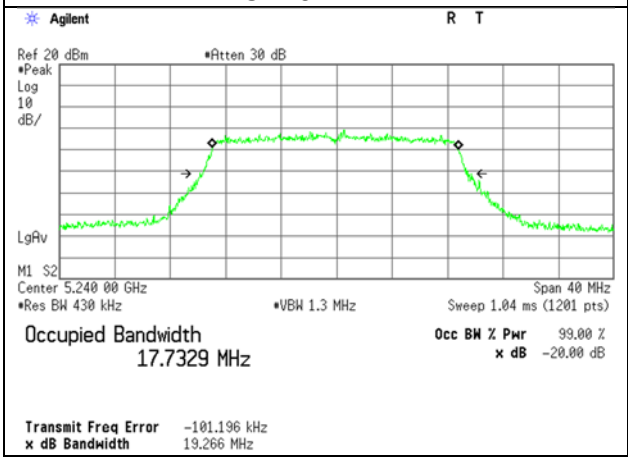
5220 MHz



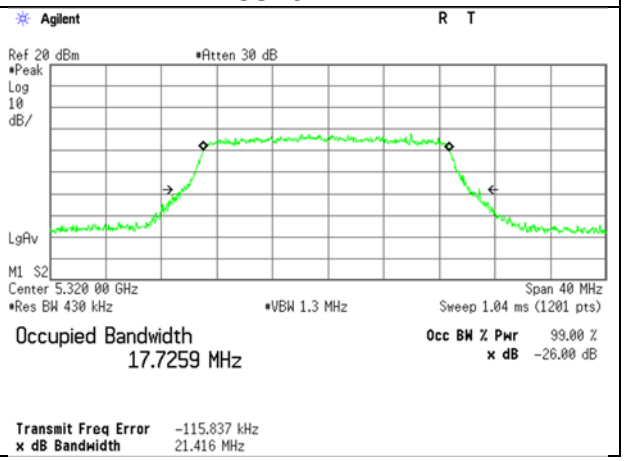
5300 MHz



5240 MHz



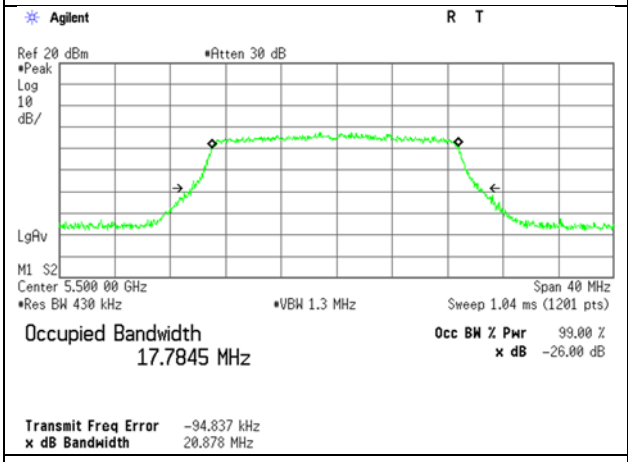
5320 MHz



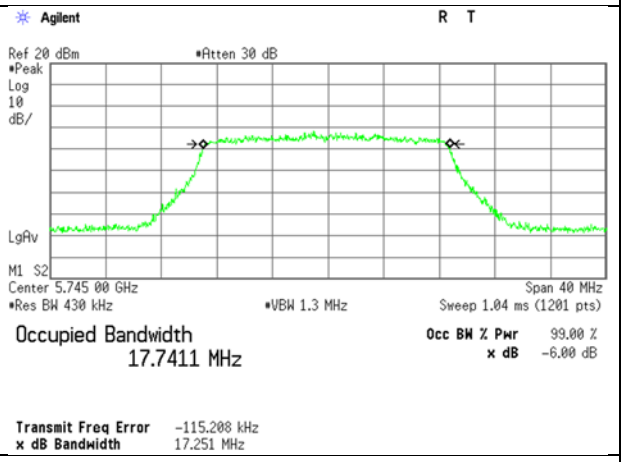
99 % Occupied Bandwidth

11n-20 (CDD), Chain 2

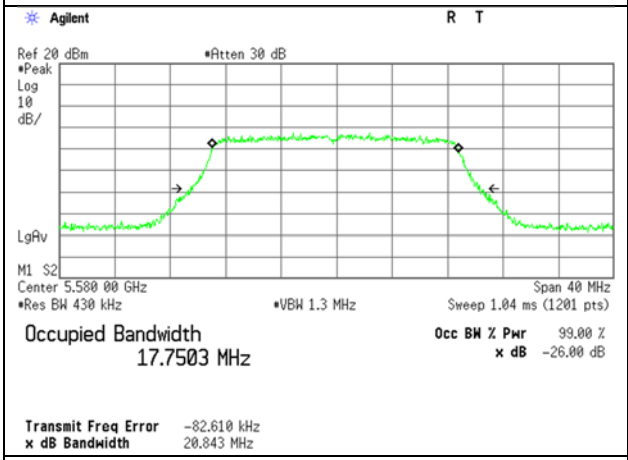
5500 MHz



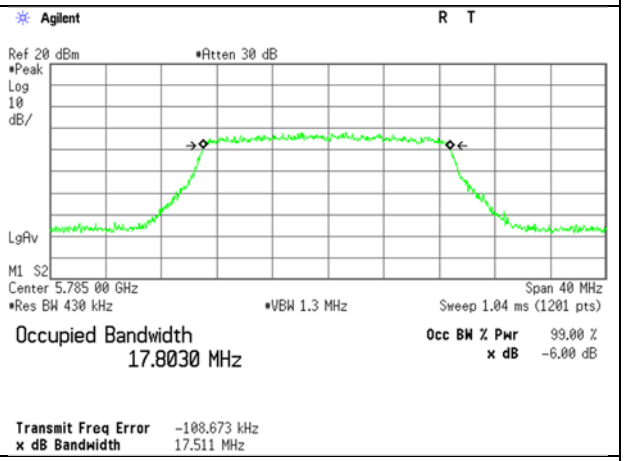
5745 MHz



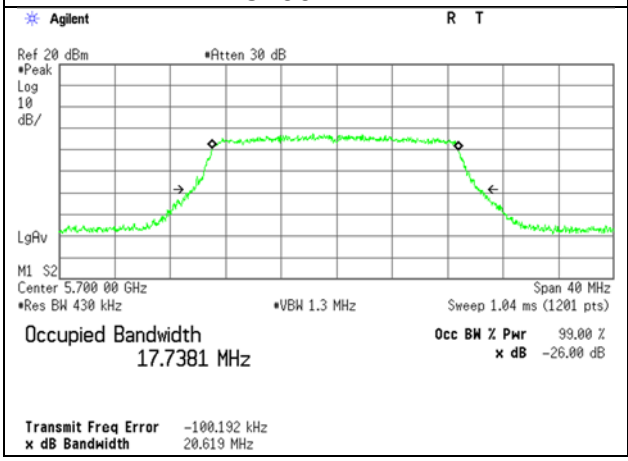
5580 MHz



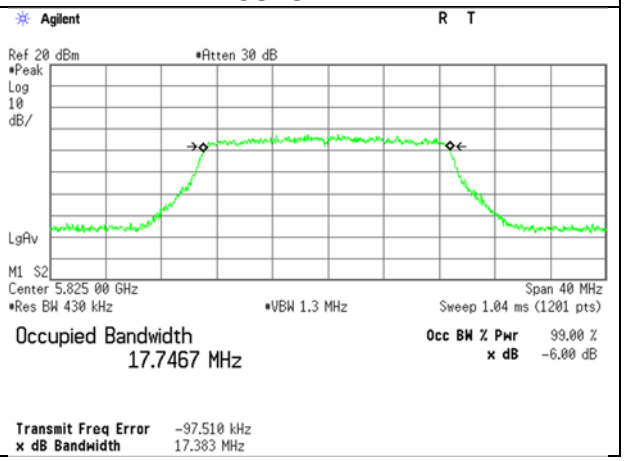
5785 MHz



5700 MHz



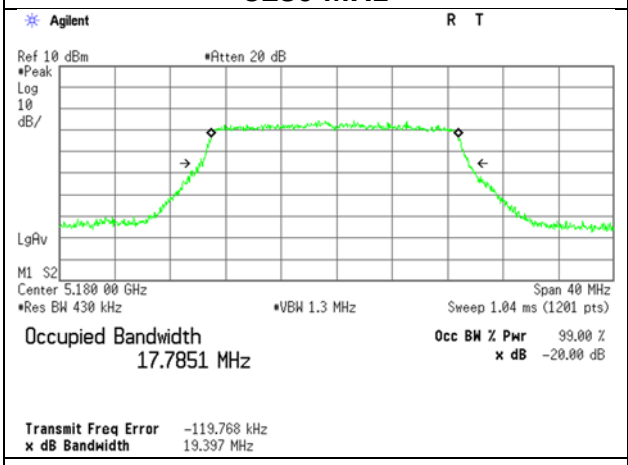
5825 MHz



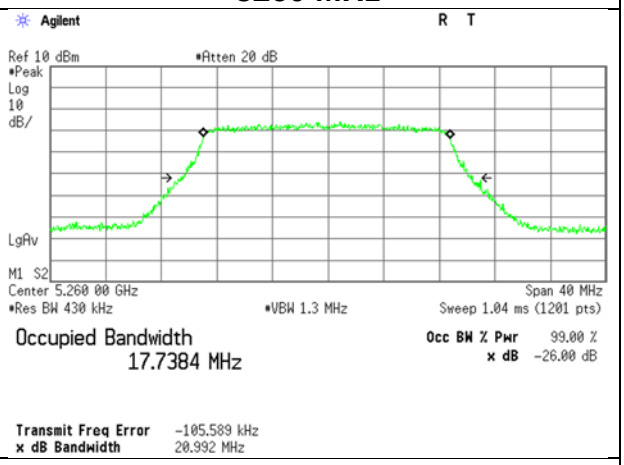
99 % Occupied Bandwidth

11ac-20 (CDD), Chain 2

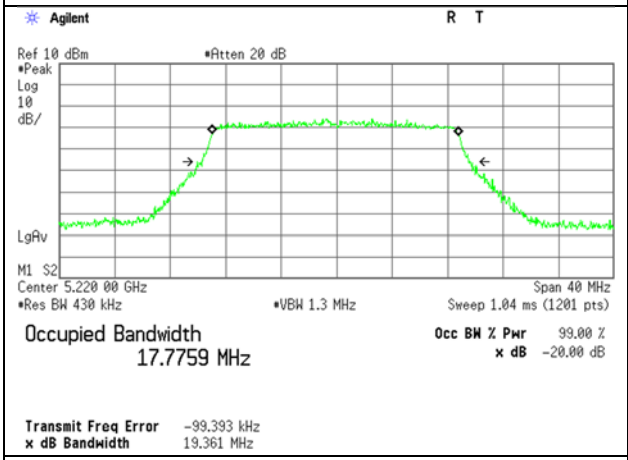
5180 MHz



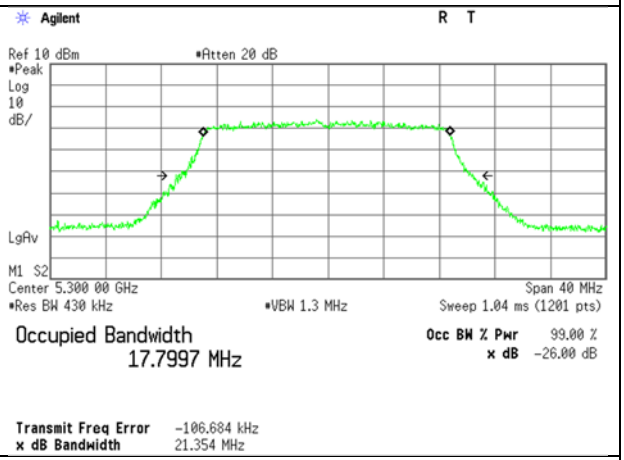
5260 MHz



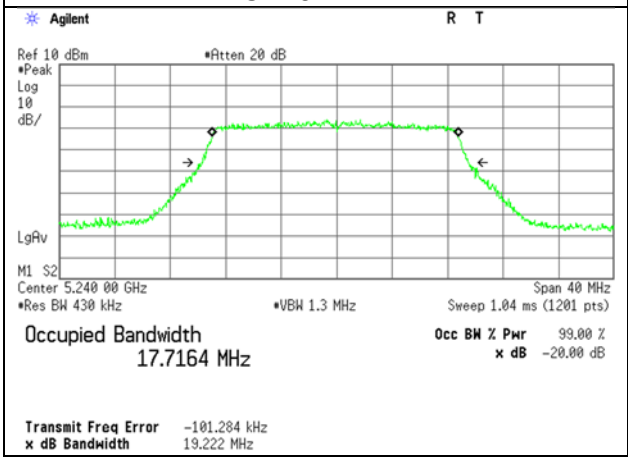
5220 MHz



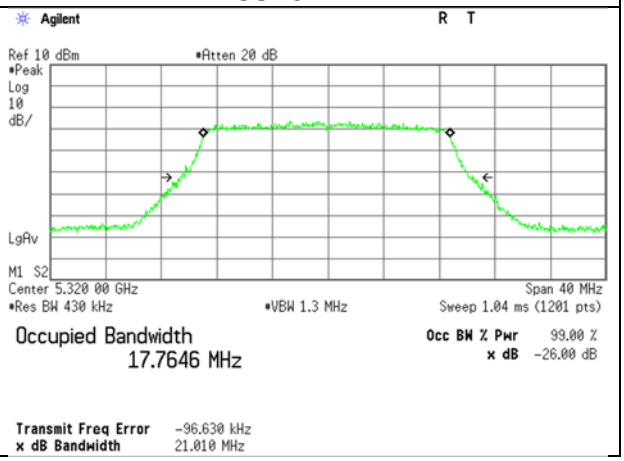
5300 MHz



5240 MHz



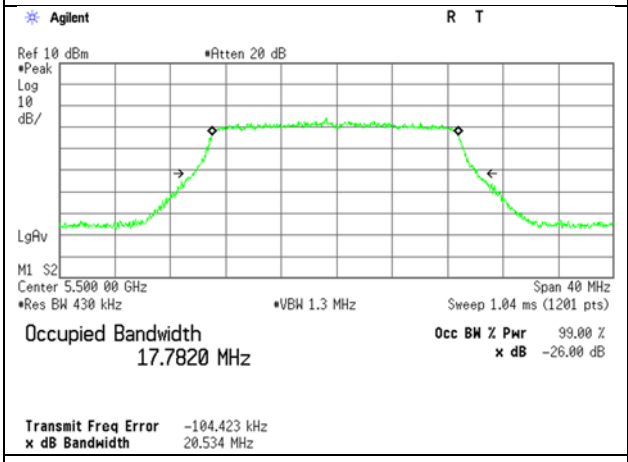
5320 MHz



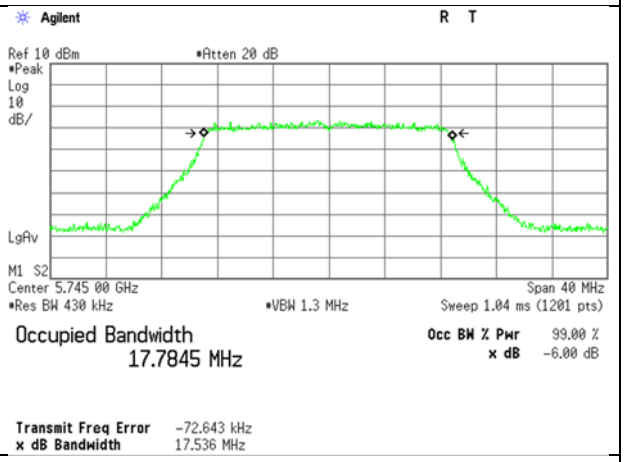
99 % Occupied Bandwidth

11ac-20 (CDD), Chain 2

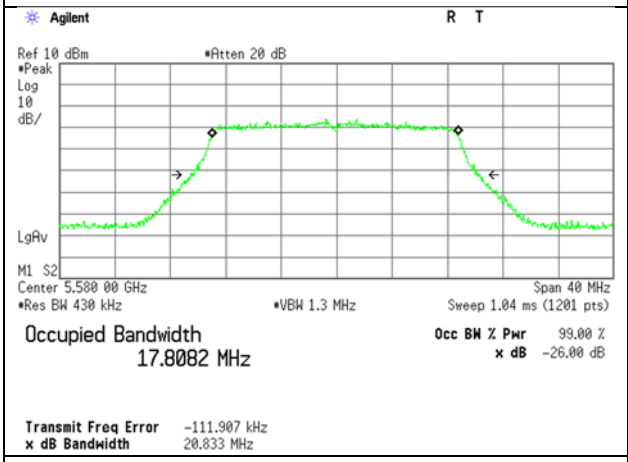
5500 MHz



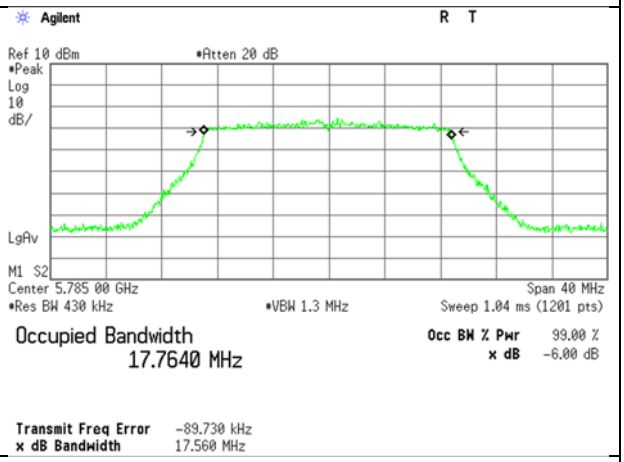
5745 MHz



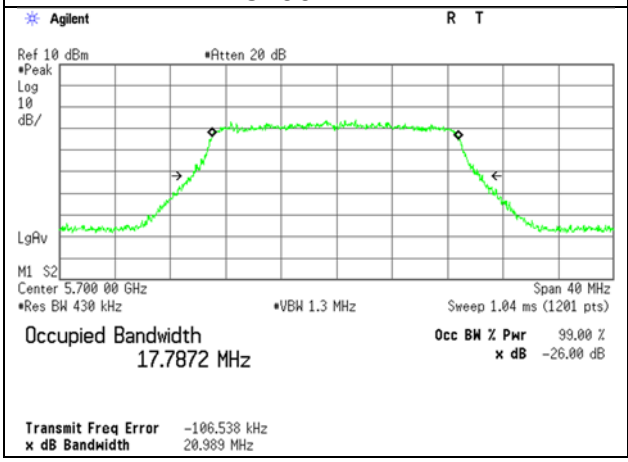
5580 MHz



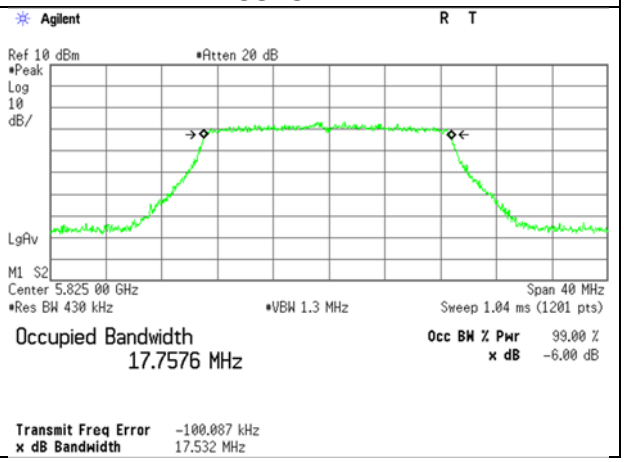
5785 MHz



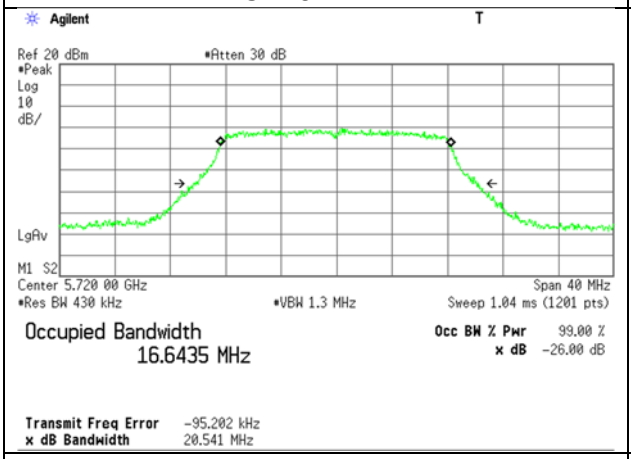
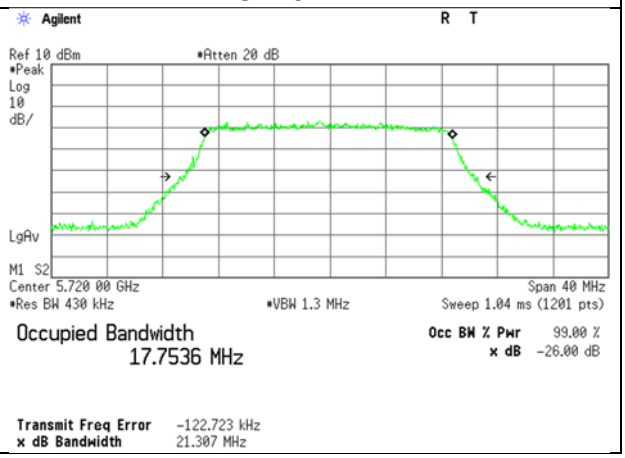
5700 MHz

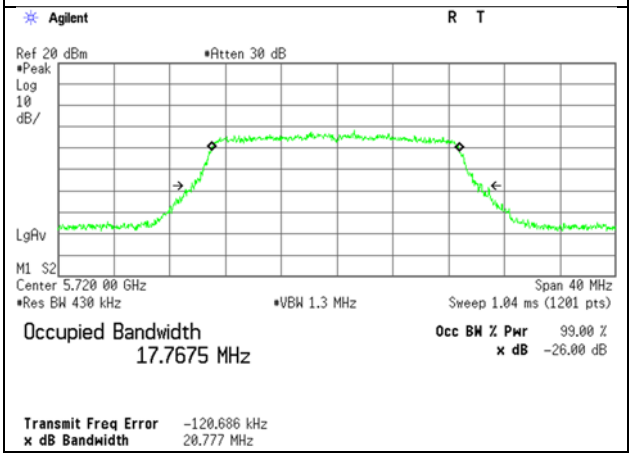


5825 MHz



99 % Occupied Bandwidth

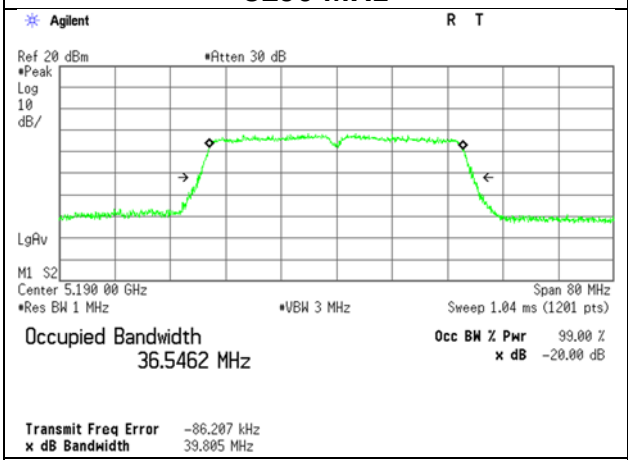
11a (CDD), Chain 2	11ac-20 (CDD), Chain 2
5720 MHz	5720 MHz
	

11n-20 (CDD), Chain 2
5720 MHz


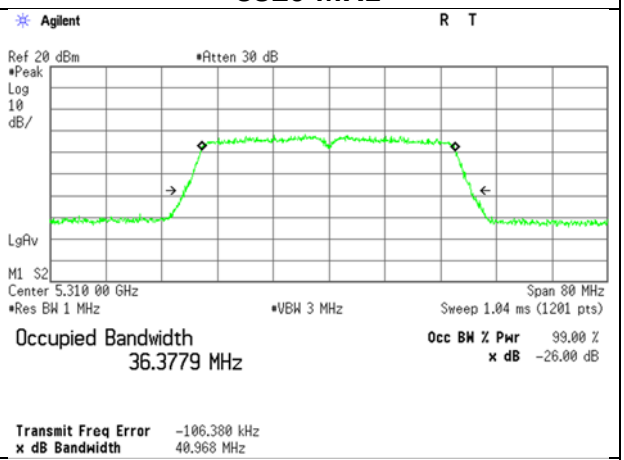
99 % Occupied Bandwidth

11n-40 (CDD), Chain 2

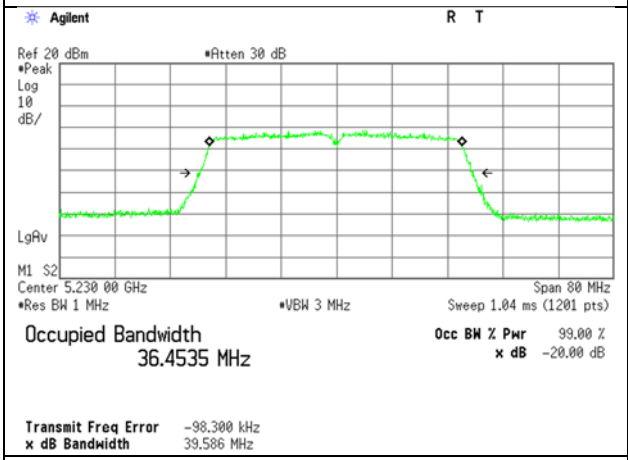
5190 MHz



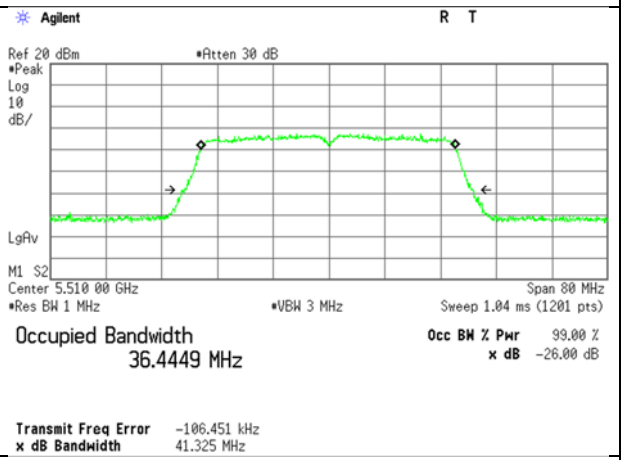
5310 MHz



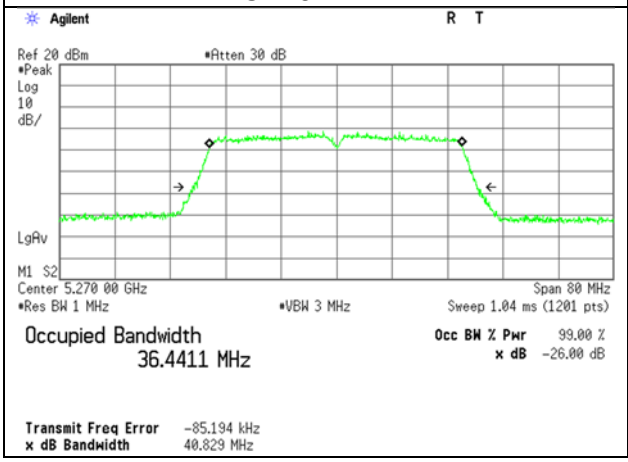
5230 MHz



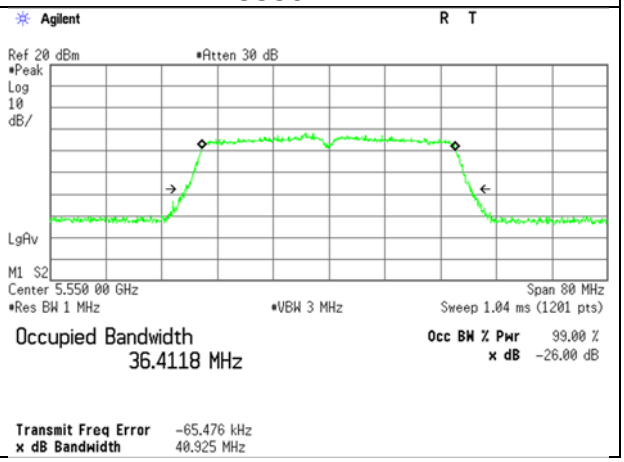
5510 MHz



5270 MHz



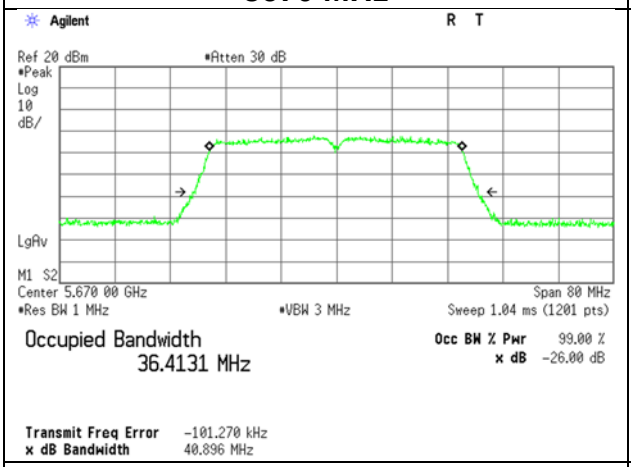
5550 MHz



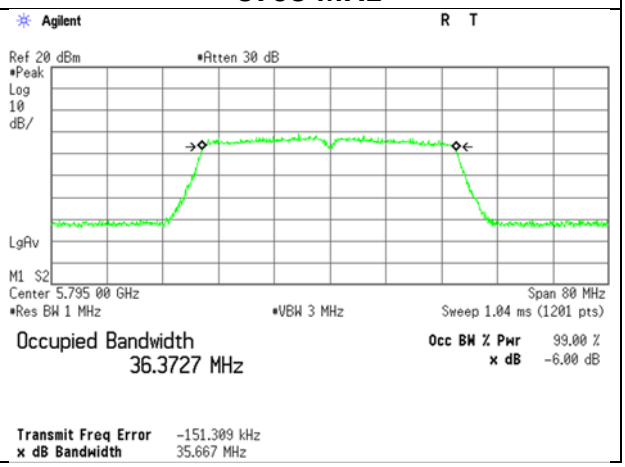
99 % Occupied Bandwidth

11n-40 (CDD), Chain 2

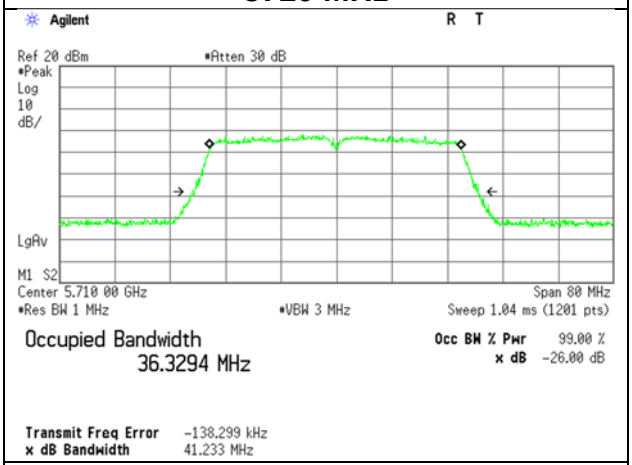
5670 MHz



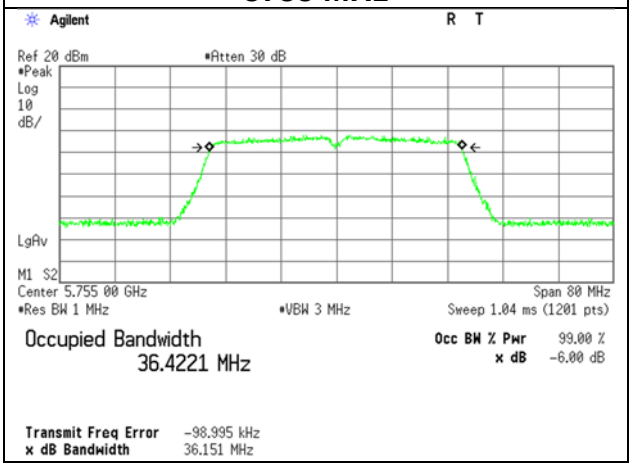
5795 MHz



5710 MHz



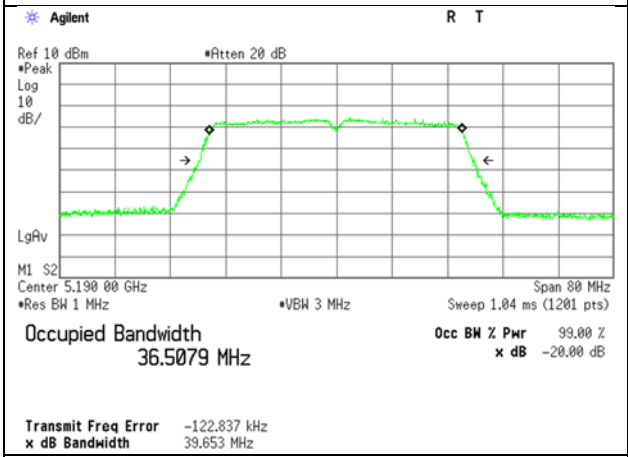
5755 MHz



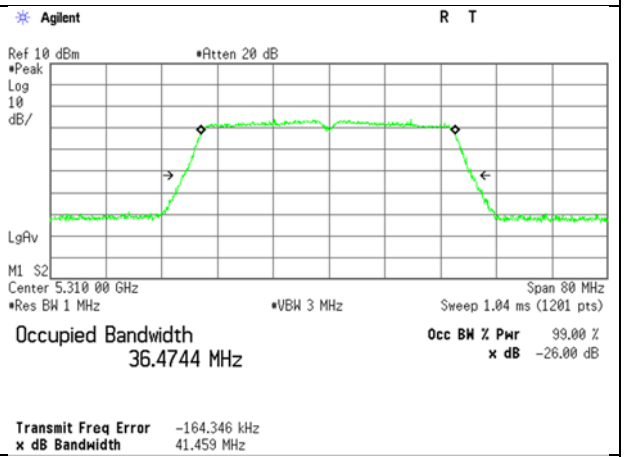
99 % Occupied Bandwidth

11ac-40 (CDD), Chain 2

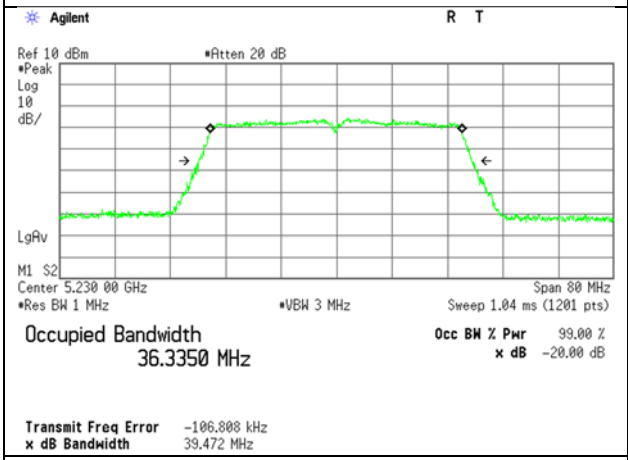
5190 MHz



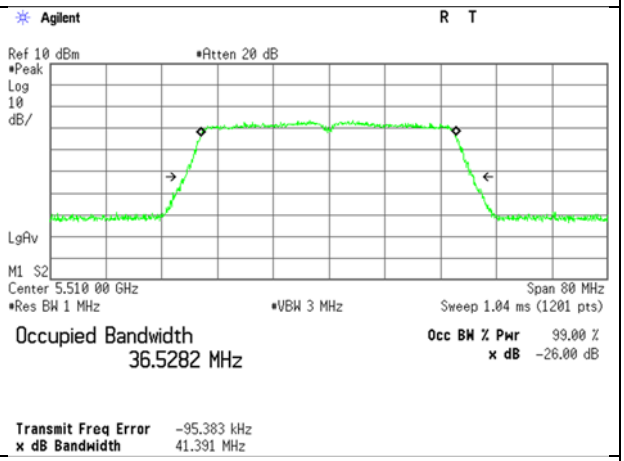
5310 MHz



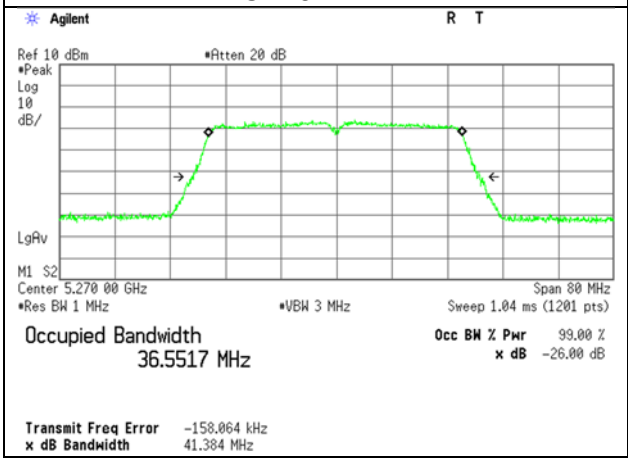
5230 MHz



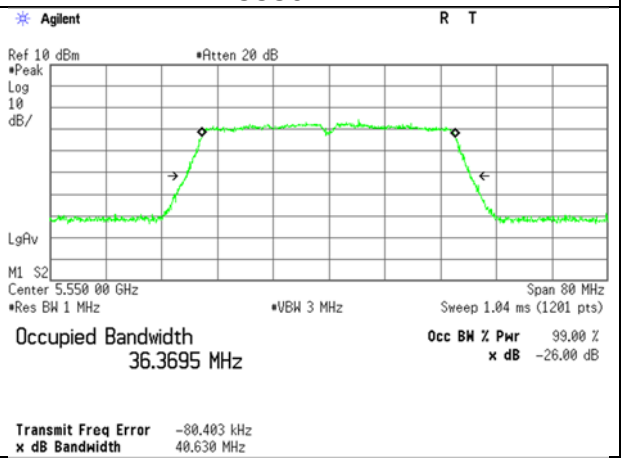
5510 MHz



5270 MHz



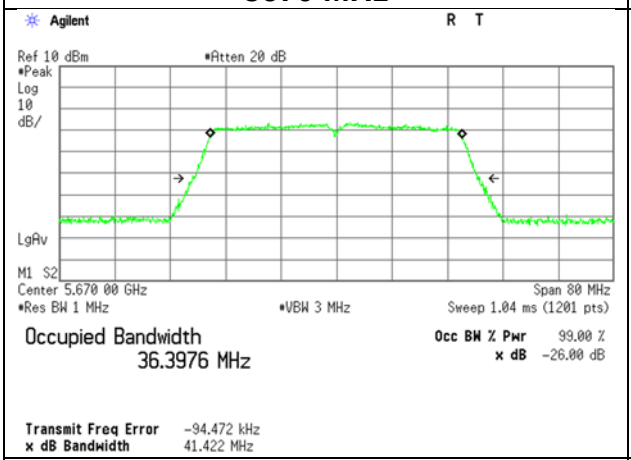
5550 MHz



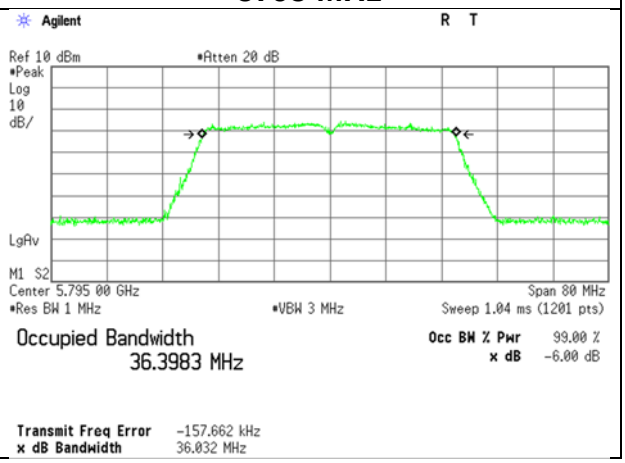
99 % Occupied Bandwidth

11ac-40 (CDD), Chain 2

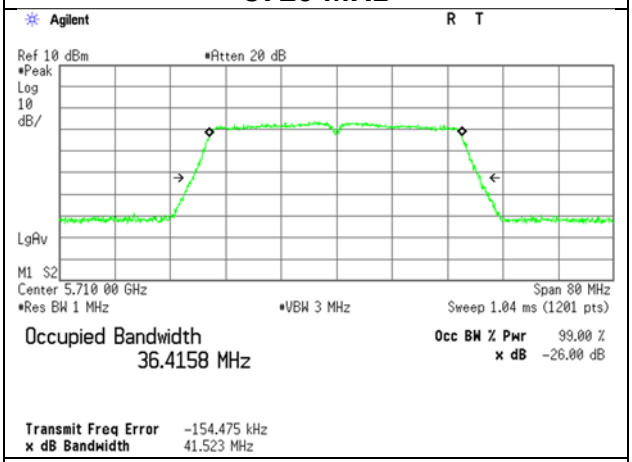
5670 MHz



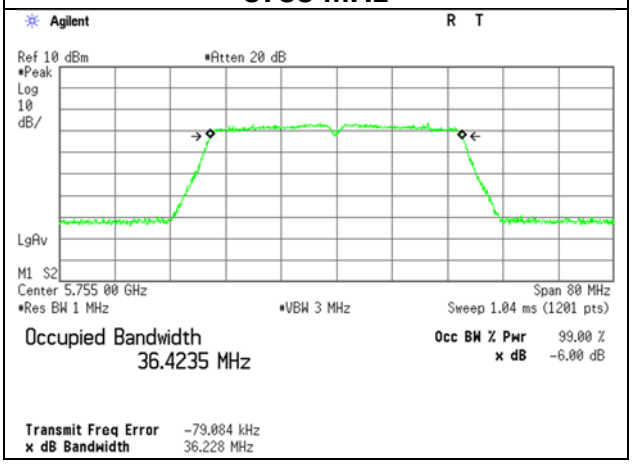
5795 MHz



5710 MHz



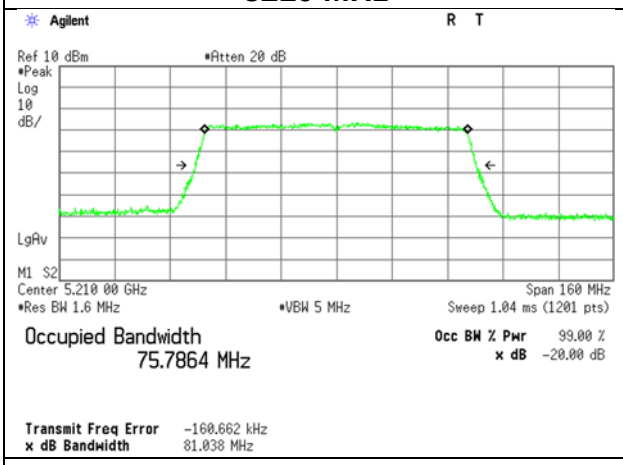
5755 MHz



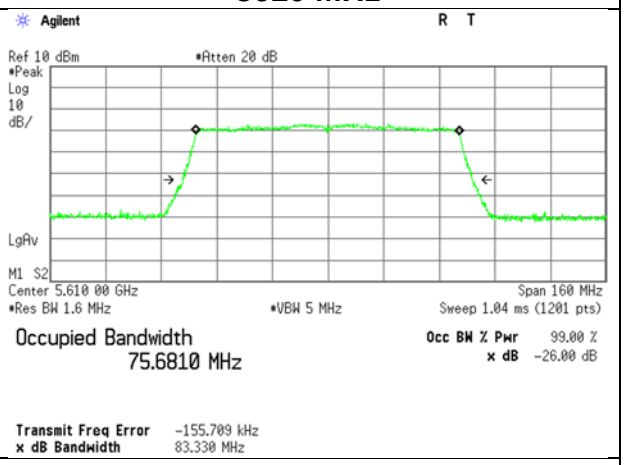
99 % Occupied Bandwidth

11ac-80 (CDD), Chain 2

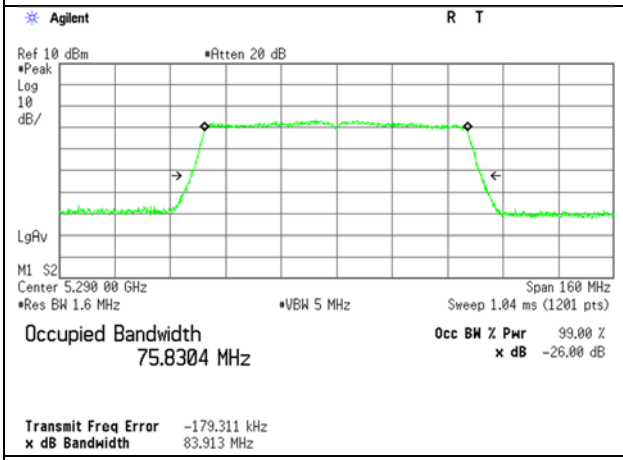
5210 MHz



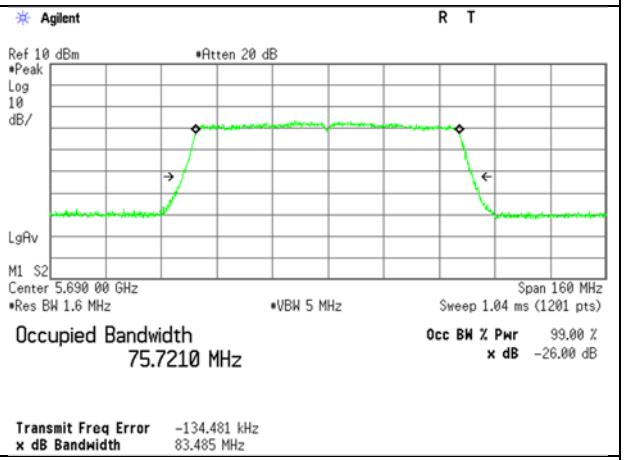
5610 MHz



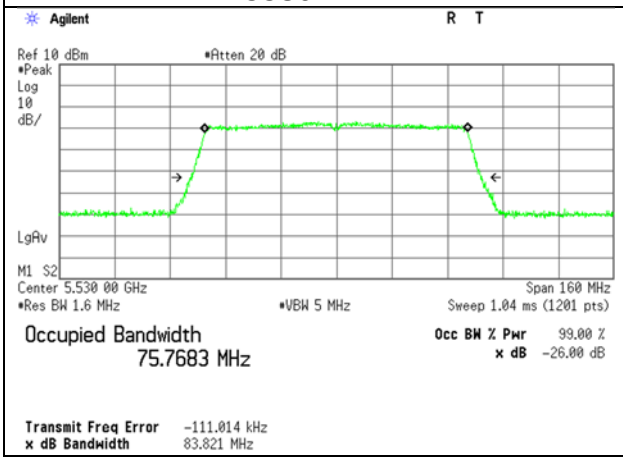
5290 MHz



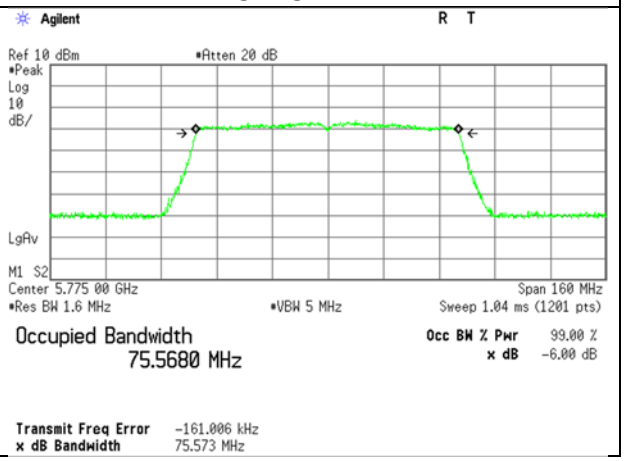
5690 MHz



5530 MHz



5775 MHz



6 dB Bandwidth

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 31, 2024
Temperature / Humidity	21 deg. C / 23 % RH
Engineer	Kouki Yamada
Mode	Tx

11a (SISO)

Antenna	Tested Frequency [MHz]	6 dB Emission Bandwidth [MHz]
Chain 2	5745	15.995
	5785	15.689
	5825	15.720

11n-20 (SISO)

Antenna	Tested Frequency [MHz]	6 dB Emission Bandwidth [MHz]
Chain 2	5745	16.516
	5785	15.495
	5825	15.965

11ac-20 (SISO)

Antenna	Tested Frequency [MHz]	6 dB Emission Bandwidth [MHz]
Chain 2	5745	15.360
	5785	15.731
	5825	15.841

11n-40 (SISO)

Antenna	Tested Frequency [MHz]	6 dB Emission Bandwidth [MHz]
Chain 2	5755	36.337
	5795	36.016

11ac-40 (SISO)

Antenna	Tested Frequency [MHz]	6 dB Emission Bandwidth [MHz]
Chain 2	5755	35.440
	5795	35.453

11ac-80 (SISO)

Antenna	Tested Frequency [MHz]	6 dB Emission Bandwidth [MHz]
Chain 2	5775	76.534

6 dB Bandwidth

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room		
Date	January 31, 2024	February 1, 2024	February 2, 2024
Temperature / Humidity	21 deg. C / 23 % RH	23 deg. C / 29 % RH	20 deg. C / 22 % RH
Engineer	Kouki Yamada	Kouki Yamada	Kouki Yamada
Mode	Tx		

11a (CDD)

Antenna	Tested Frequency [MHz]	6 dB Emission Bandwidth [MHz]
Chain 2	5745	15.718
	5785	15.401
	5825	15.742

11n-20 (CDD)

Antenna	Tested Frequency [MHz]	6 dB Emission Bandwidth [MHz]
Chain 2	5745	17.567
	5785	17.433
	5825	17.176

11ac-20 (CDD)

Antenna	Tested Frequency [MHz]	6 dB Emission Bandwidth [MHz]
Chain 2	5745	17.304
	5785	17.359
	5825	17.251

11n-40 (CDD)

Antenna	Tested Frequency [MHz]	6 dB Emission Bandwidth [MHz]
Chain 2	5755	35.281
	5795	35.447

11ac-40 (CDD)

Antenna	Tested Frequency [MHz]	6 dB Emission Bandwidth [MHz]
Chain 2	5755	35.268
	5795	35.833

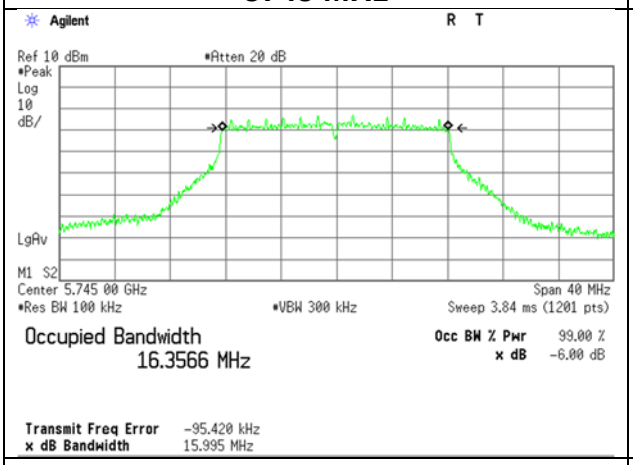
11ac-80 (CDD)

Antenna	Tested Frequency [MHz]	6 dB Emission Bandwidth [MHz]
Chain 2	5775	75.333

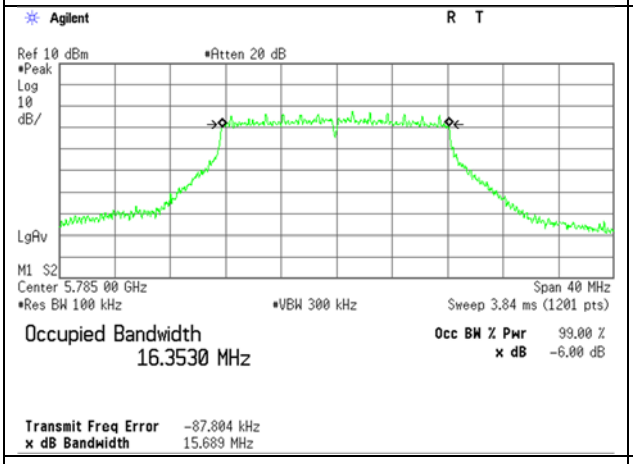
6 dB Bandwidth

11a (SISO), Chain 2

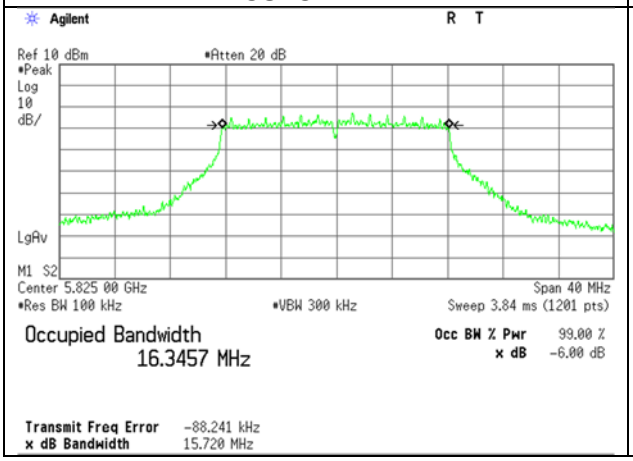
5745 MHz



5785 MHz

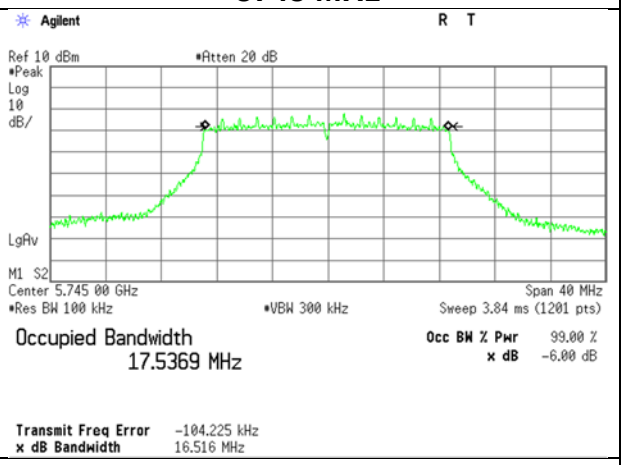


5825 MHz

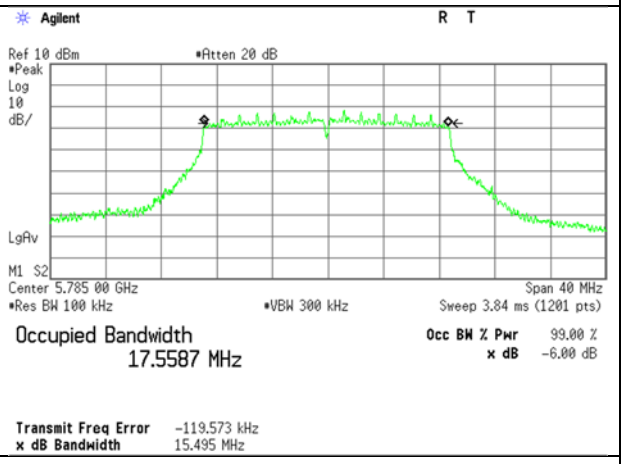


11n-20 (SISO), Chain 2

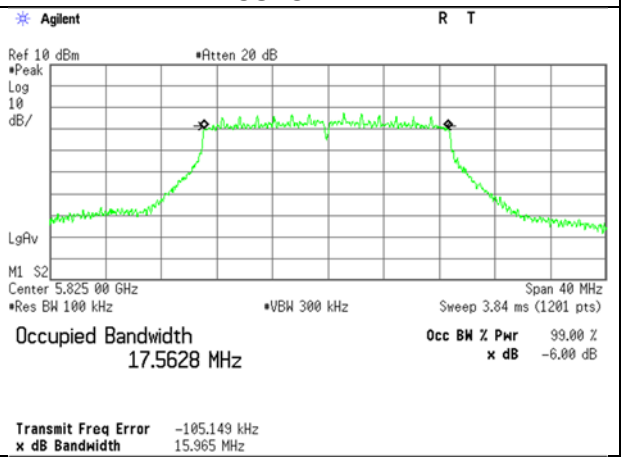
5745 MHz



5785 MHz



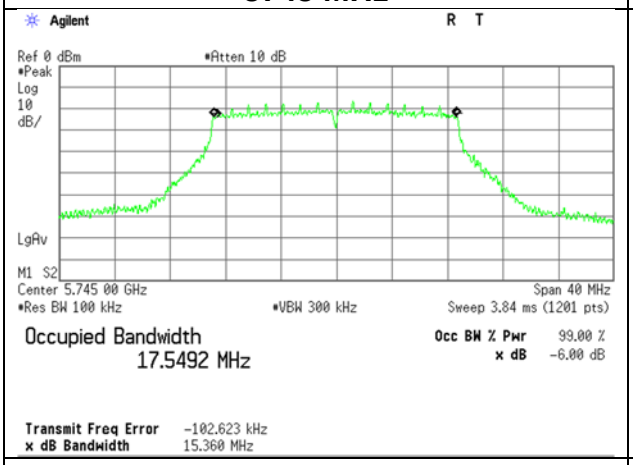
5825 MHz



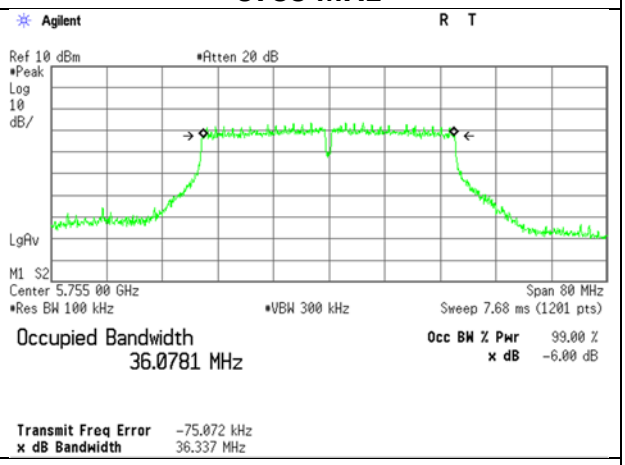
6 dB Bandwidth

11ac-20 (SISO), Chain 2

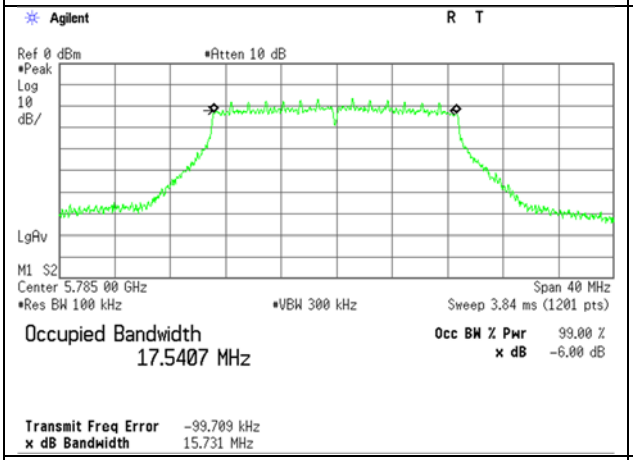
5745 MHz



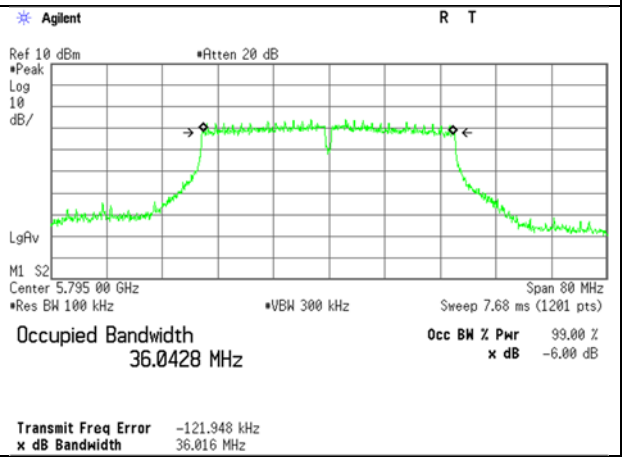
5755 MHz



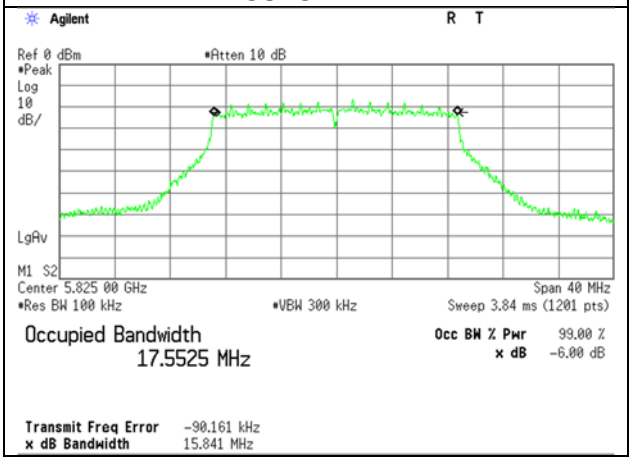
5785 MHz



5795 MHz



5825 MHz

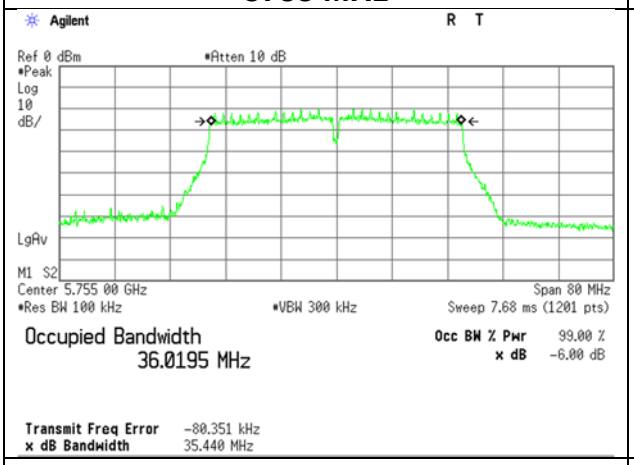


11n-40 (SISO), Chain 2

6 dB Bandwidth

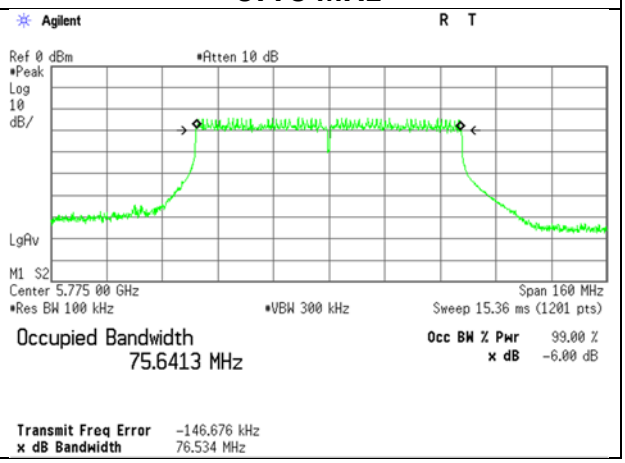
11ac-40 (SISO), Chain 2

5755 MHz

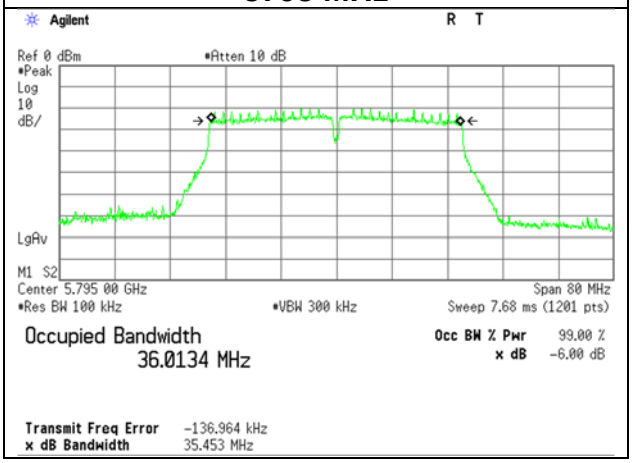


11ac-80 (SISO), Chain 2

5775 MHz



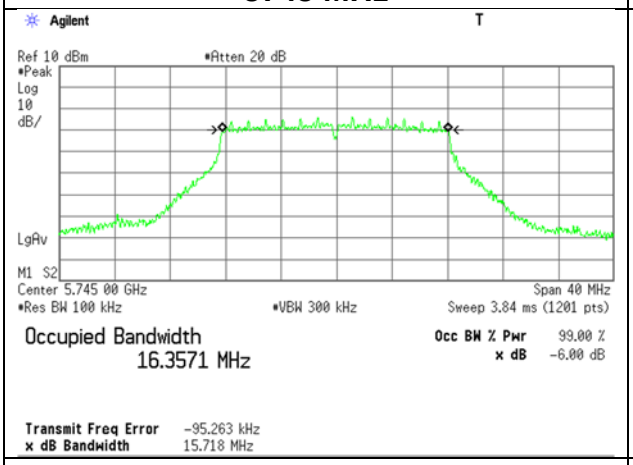
5795 MHz



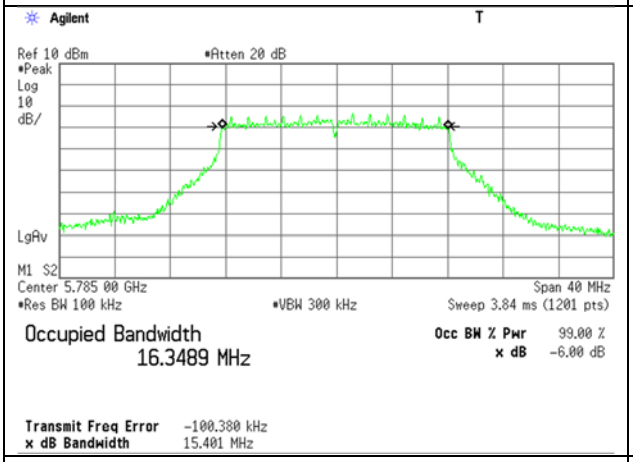
6 dB Bandwidth

11a (CDD), Chain 2

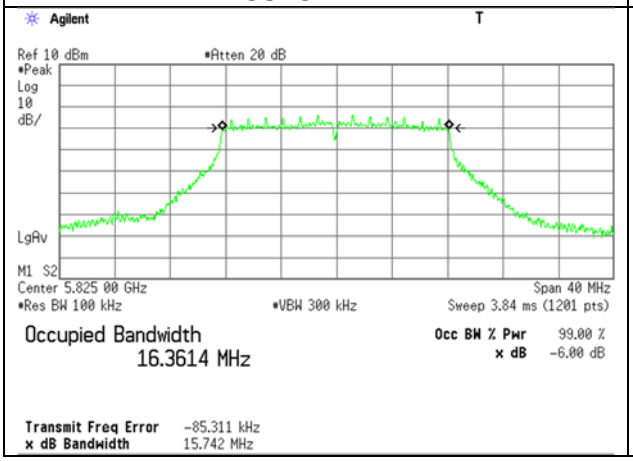
5745 MHz



5785 MHz

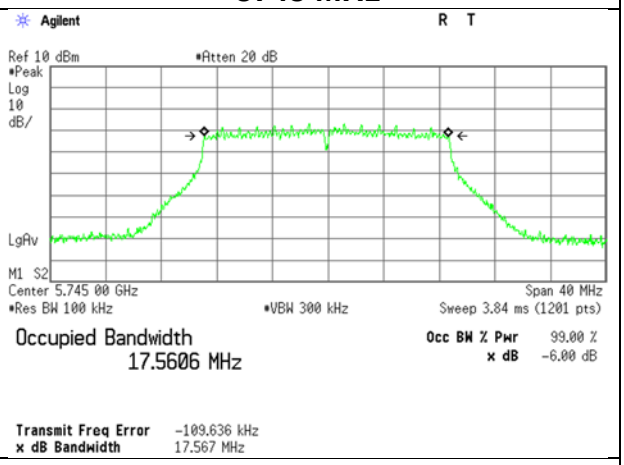


5825 MHz

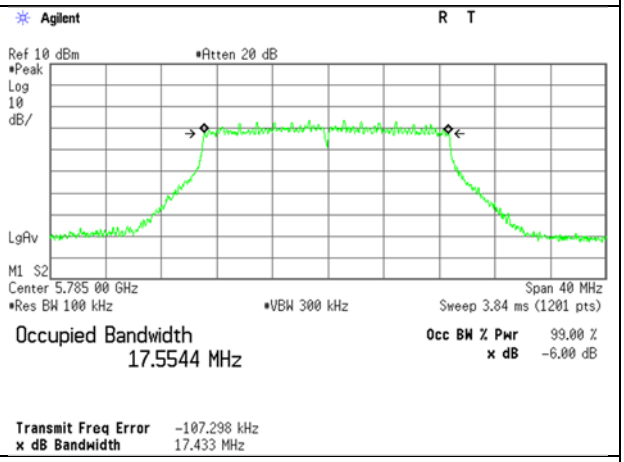


11n-20 (CDD), Chain 2

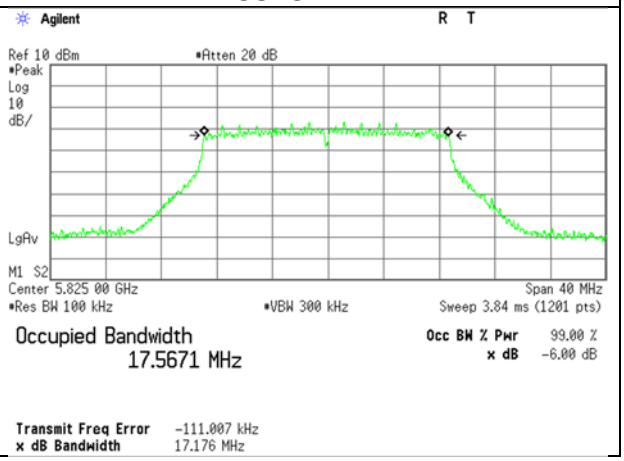
5745 MHz



5785 MHz



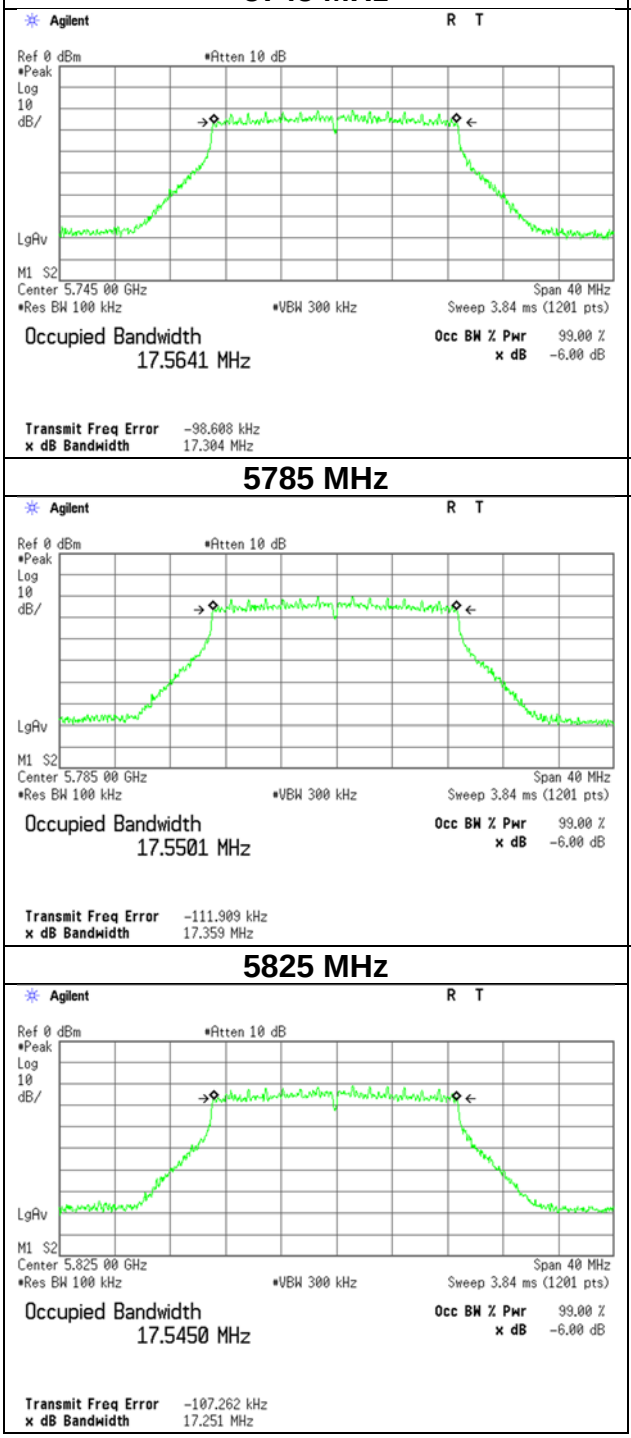
5825 MHz



6 dB Bandwidth

11ac-20 (CDD), Chain 2

5745 MHz

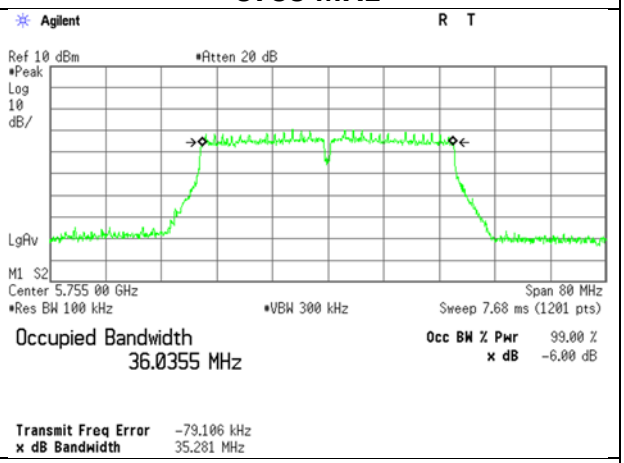


5785 MHz

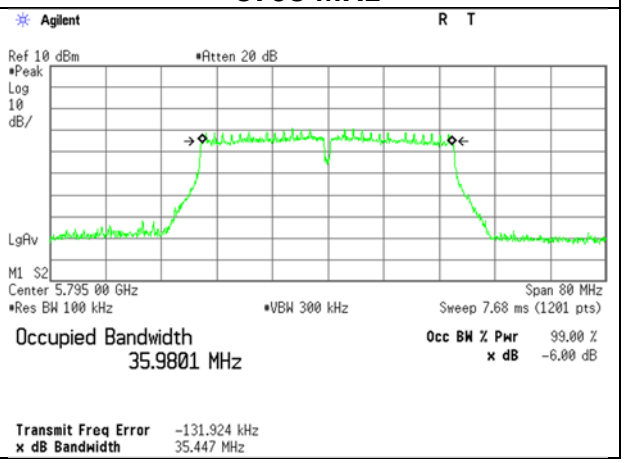
5825 MHz

11n-40 (CDD), Chain 2

5755 MHz



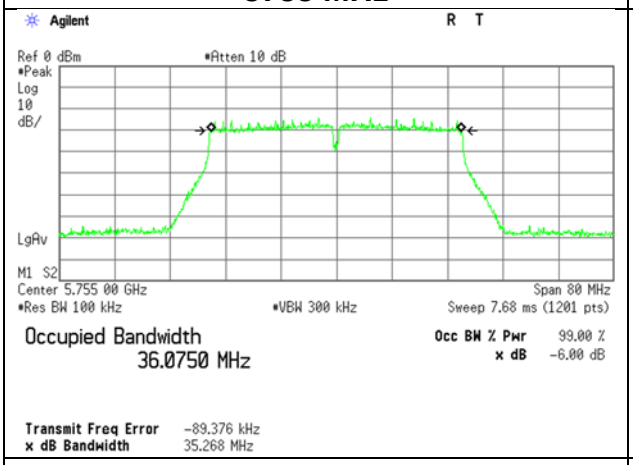
5795 MHz



6 dB Bandwidth

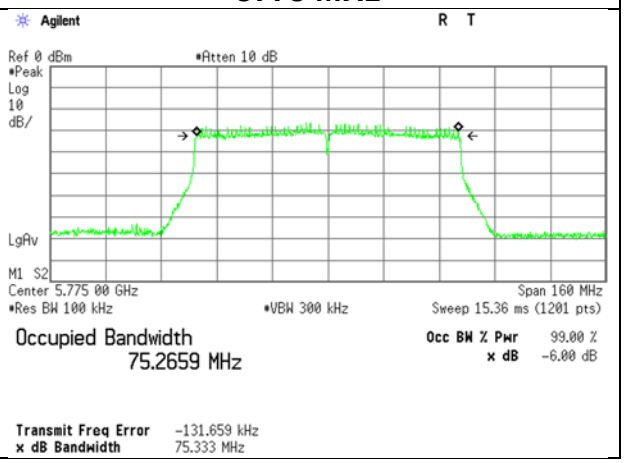
11ac-40 (CDD), Chain 2

5755 MHz

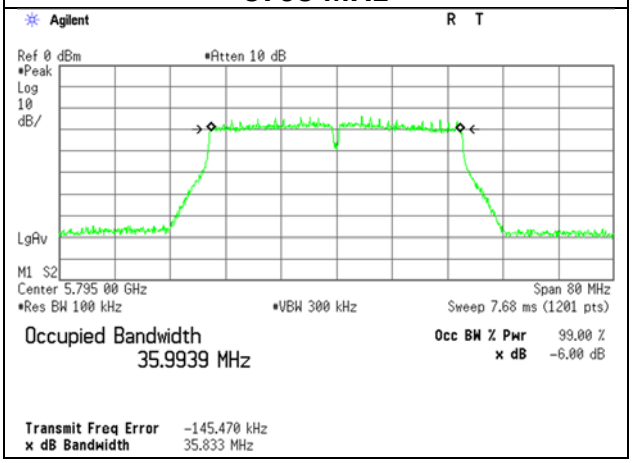


11ac-80 (CDD), Chain 2

5775 MHz



5795 MHz



Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 30, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Kouki Yamada
Mode	Tx 11a (SISO)

11a (SISO) (*1) Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted Power Result [dBm]	Conducted Power Result [mW]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	e.i.r.p. Result [dBm]	e.i.r.p. Result [mW]	e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5180	-0.81	1.60	9.98	0.00	2.29	-	16.675	***10.77***	***11.94***	23.97	13.20	***13.06***	***20.23***	29.97	16.91
5220	-1.00	1.61	9.98	0.00	2.29	-	16.631	10.59	11.46	23.97	13.38	12.88	19.41	29.97	17.09
5240	-1.30	1.57	9.98	0.00	2.29	-	16.661	10.25	10.59	23.97	13.72	12.54	17.95	29.97	17.43
5260	-1.60	1.58	9.98	0.00	2.29	19.854	16.645	***9.96***	***9.91***	23.97	14.01	***12.25***	***16.79***	29.97	17.72
5300	-1.63	1.58	9.98	0.00	2.29	19.334	16.648	9.93	9.84	23.86	13.93	12.22	16.67	29.97	17.75
5320	-1.72	1.62	9.98	0.00	2.29	19.683	16.649	9.88	9.73	23.94	14.06	12.17	16.48	29.97	17.80
5500	-2.24	1.70	9.98	0.00	2.29	19.684	16.652	9.44	8.79	23.94	14.50	11.73	14.89	29.97	18.24
5580	-2.31	1.70	9.98	0.00	2.29	19.628	16.656	9.37	8.65	23.92	14.55	11.66	14.66	29.97	18.31
5700	-1.92	1.59	9.98	0.00	2.29	19.552	16.633	***9.65***	***9.23***	23.91	14.26	***11.94***	***15.63***	29.97	18.03
5720	-2.13	1.60	9.98	0.00	2.29	19.475	16.640	9.45	8.81	23.89	14.44	11.74	14.93	29.97	18.23
5745	-1.68	1.58	9.99	0.00	2.29	-	16.620	9.89	9.75	30.00	20.11	12.18	16.52	36.00	23.82
5785	-1.51	1.58	9.99	0.00	2.29	-	16.608	***10.06***	***10.14***	30.00	19.94	***12.35***	***17.18***	36.00	23.65
5825	-1.71	1.57	9.99	0.00	2.29	-	16.652	9.85	9.66	30.00	20.15	12.14	16.37	36.00	23.86

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain (*1) Power was measured with using the gate function of power meter.
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 30, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Kouki Yamada
Mode	Tx 11n-20 (SISO)

11n-20 (SISO) (*1) Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted Power Result [dBm]	Conducted Power Result [mW]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	e.i.r.p. Result [dBm]	e.i.r.p. Result [mW]	e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5180	-1.12	1.60	9.98	0.00	2.29	-	17.757	***10.46***	***11.12***	23.97	13.51	***12.75***	***18.84***	29.97	17.22
5220	-1.32	1.61	9.98	0.00	2.29	-	17.776	10.27	10.64	23.97	13.70	12.56	18.03	29.97	17.41
5240	-1.63	1.57	9.98	0.00	2.29	-	17.738	9.92	9.82	23.97	14.05	12.21	16.63	29.97	17.76
5260	-1.84	1.58	9.98	0.00	2.29	20.125	17.811	***9.72***	***9.38***	23.97	14.25	***12.01***	***15.89***	29.97	17.96
5300	-1.92	1.58	9.98	0.00	2.29	20.100	17.738	9.64	9.20	23.97	14.33	11.93	15.60	29.97	18.04
5320	-1.98	1.62	9.98	0.00	2.29	20.128	17.767	9.62	9.16	23.97	14.35	11.91	15.52	29.97	18.06
5500	-2.33	1.70	9.98	0.00	2.29	20.359	17.737	9.35	8.61	23.97	14.62	11.64	14.59	29.97	18.33
5580	-2.50	1.70	9.98	0.00	2.29	20.010	17.787	9.18	8.28	23.97	14.79	11.47	14.03	29.97	18.50
5700	-2.15	1.59	9.98	0.00	2.29	20.199	17.759	***9.42***	***8.75***	23.97	14.55	***11.71***	***14.83***	29.97	18.26
5720	-2.36	1.60	9.98	0.00	2.29	20.195	17.763	9.22	8.36	23.97	14.75	11.51	14.16	29.97	18.46
5745	-1.96	1.58	9.99	0.00	2.29	-	17.797	9.61	9.14	30.00	20.39	11.90	15.49	36.00	24.10
5785	-1.78	1.58	9.99	0.00	2.29	-	17.751	***9.79***	***9.53***	30.00	20.21	***12.08***	***16.14***	36.00	23.92
5825	-2.00	1.57	9.99	0.00	2.29	-	17.774	9.56	9.04	30.00	20.44	11.85	15.31	36.00	24.15

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain (*1) Power was measured with using the gate function of power meter.
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room	
Date	January 22, 2024	January 24, 2024
Temperature / Humidity	24 deg. C / 35 % RH	24 deg. C / 35 % RH
Engineer	Yuta Shiba	Yuta Shiba
Mode	Tx 11ac-20 (SISO)	

11ac-20 (SISO) (*1) Applied limit: 15.407, mobile and portable client device

Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	26 dB EBW (B for FCC)	99 % OBW (B for ISED)	Conducted Power Result		Conducted Power Limit	Conducted Power Margin	e.i.r.p. Result		e.i.r.p. Limit	e.i.r.p. Margin
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[MHz]	[MHz]	[dBm]	[mW]	[dBm]	[dB]	[dBm]	[mW]	[dBm]	[dB]
5180	-6.34	1.60	9.98	0.00	2.29	-	17.786	5.24	3.34	23.97	18.73	7.53	5.66	29.97	22.44
5220	-6.31	1.61	9.98	0.00	2.29	-	17.775	***5.28***	***3.37***	23.97	18.69	***7.57***	***5.71***	29.97	22.40
5240	-6.52	1.57	9.98	0.00	2.29	-	17.783	5.03	3.18	23.97	18.94	7.32	5.40	29.97	22.65
5260	-6.61	1.58	9.98	0.00	2.29	20.196	17.779	***4.95***	***3.13***	23.97	19.02	***7.24***	***5.30***	29.97	22.73
5300	-6.80	1.58	9.98	0.00	2.29	20.083	17.782	4.76	2.99	23.97	19.21	7.05	5.07	29.97	22.92
5320	-6.84	1.62	9.98	0.00	2.29	19.932	17.774	4.76	2.99	23.97	19.21	7.05	5.07	29.97	22.92
5500	-6.63	1.70	9.98	0.00	2.29	19.929	17.765	5.05	3.20	23.97	18.92	7.34	5.42	29.97	22.63
5580	-6.20	1.70	9.98	0.00	2.29	20.244	17.766	5.48	3.53	23.97	18.49	7.77	5.98	29.97	22.20
5700	-5.70	1.59	9.98	0.00	2.29	20.182	17.787	***5.87***	***3.86***	23.97	18.10	***8.16***	***6.55***	29.97	21.81
5720	-5.99	1.60	9.98	0.00	2.29	20.032	17.763	5.59	3.62	23.97	18.38	7.88	6.14	29.97	22.09
5745	-5.82	1.58	9.99	0.00	2.29	-	17.786	***5.75***	***3.76***	30.00	24.25	***8.04***	***6.37***	36.00	27.96
5785	-5.90	1.58	9.99	0.00	2.29	-	17.786	5.67	3.69	30.00	24.33	7.96	6.25	36.00	28.04
5825	-5.87	1.57	9.99	0.00	2.29	-	17.766	5.69	3.71	30.00	24.31	7.98	6.28	36.00	28.02

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain (*1) Power was measured with using the gate function of power meter.
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 30, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Kouki Yamada
Mode	Tx 11n-40 (SISO)

11n-40 (SISO) (*1) Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted Power Result [dBm]	Conducted Power Result [mW]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	e.i.r.p. Result [dBm]	e.i.r.p. Result [mW]	e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5190	-1.23	1.60	9.98	0.00	2.29	-	36.502	***10.35***	***10.84***	23.97	13.62	***12.64***	***18.37***	29.97	17.33
5230	-1.62	1.57	9.98	0.00	2.29	-	36.439	9.93	9.84	23.97	14.04	12.22	16.67	29.97	17.75
5270	-2.04	1.58	9.98	0.00	2.29	42.138	36.461	9.52	8.95	23.97	14.45	11.81	15.17	29.97	18.16
5310	-1.92	1.62	9.98	0.00	2.29	40.998	36.372	***9.68***	***9.29***	23.97	14.29	***11.97***	***15.74***	29.97	18.00
5510	-2.54	1.70	9.98	0.00	2.29	40.696	36.361	9.14	8.20	23.97	14.83	11.43	13.90	29.97	18.54
5550	-3.09	1.70	9.98	0.00	2.29	40.747	36.386	8.59	7.23	23.97	15.38	10.88	12.25	29.97	19.09
5670	-2.61	1.59	9.98	0.00	2.29	41.143	36.478	8.96	7.87	23.97	15.01	11.25	13.34	29.97	18.72
5710	-2.40	1.60	9.98	0.00	2.29	40.958	36.366	***9.18***	***8.28***	23.97	14.79	***11.47***	***14.03***	29.97	18.50
5755	-2.23	1.58	9.99	0.00	2.29	-	36.435	9.34	8.59	30.00	20.66	11.63	14.55	36.00	24.37
5795	-2.06	1.57	9.99	0.00	2.29	-	36.348	***9.50***	***8.91***	30.00	20.50	***11.79***	***15.10***	36.00	24.21

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain (*1) Power was measured with using the gate function of power meter.
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 30, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Kouki Yamada
Mode	Tx 11ac-40 (SISO)

11ac-40 (SISO) (*1) Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted Power Result [dBm]	Conducted Power Result [mW]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	e.i.r.p. Result [dBm]	e.i.r.p. Result [mW]	e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5190	-5.32	1.60	9.98	0.00	2.29	-	36.492	***6.26***	***4.23***	23.97	17.71	***8.55***	***7.16***	29.97	21.42
5230	-5.75	1.57	9.98	0.00	2.29	-	36.354	5.80	3.80	23.97	18.17	8.09	6.44	29.97	21.88
5270	-6.02	1.58	9.98	0.00	2.29	40.203	36.382	5.54	3.58	23.97	18.43	7.83	6.07	29.97	22.14
5310	-5.95	1.62	9.98	0.00	2.29	39.909	36.465	***5.65***	***3.67***	23.97	18.32	***7.94***	***6.22***	29.97	22.03
5510	-6.65	1.70	9.98	0.00	2.29	40.432	36.441	5.03	3.18	23.97	18.94	7.32	5.40	29.97	22.65
5550	-7.15	1.70	9.98	0.00	2.29	40.117	36.467	4.53	2.84	23.97	19.44	6.82	4.81	29.97	23.15
5670	-6.53	1.59	9.98	0.00	2.29	40.160	36.382	5.04	3.19	23.97	18.93	7.33	5.41	29.97	22.64
5710	-6.40	1.60	9.98	0.00	2.29	40.128	36.408	***5.18***	***3.30***	23.97	18.79	***7.47***	***5.58***	29.97	22.50
5755	-6.24	1.58	9.99	0.00	2.29	-	36.452	5.33	3.41	30.00	24.67	7.62	5.78	36.00	28.38
5795	-6.06	1.57	9.99	0.00	2.29	-	36.457	***5.50***	***3.55***	30.00	24.50	***7.79***	***6.01***	36.00	28.21

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain (*1) Power was measured with using the gate function of power meter.
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 30, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Kouki Yamada
Mode	Tx 11ac-80 (SISO)

11ac-80 (SISO) (*1) Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted Power Result [dBm]	Conducted Power Result [mW]	Conducted Power Limit [dBm]	Conducted Power Margin [dB]	e.i.r.p. Result [dBm]	e.i.r.p. Result [mW]	e.i.r.p. Limit [dBm]	e.i.r.p. Margin [dB]
5210	-5.62	1.60	9.98	0.00	2.29	-	77.455	***5.97***	***3.95***	23.97	18.01	***8.26***	***6.69***	29.97	21.72
5290	-6.03	1.62	9.98	0.00	2.29	90.489	77.400	***5.57***	***3.61***	23.97	18.40	***7.86***	***6.11***	29.97	22.11
5530	-6.81	1.70	9.98	0.00	2.29	90.319	77.418	4.87	3.07	23.97	19.10	7.16	5.20	29.97	22.81
5610	-6.84	1.70	9.98	0.00	2.29	90.108	77.298	4.84	3.05	23.97	19.13	7.13	5.16	29.97	22.84
5690	-6.52	1.60	9.98	0.00	2.29	89.788	77.276	***5.06***	***3.21***	23.97	18.91	***7.35***	***5.43***	29.97	22.62
5775	-6.15	1.57	9.99	0.00	2.29	-	77.221	***5.41***	***3.48***	30.00	24.59	***7.70***	***5.89***	36.00	28.30

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain (*1) Power was measured with using the gate function of power meter.
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 25, 2024
Temperature / Humidity	21 deg. C / 27 % RH
Engineer	Yuta Shiba
Mode	Tx 11a (CDD)

Chain 1+2

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted power Chain 1 [mW]	Chain 2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	e.i.r.p. Chain 1 [mW]	Chain 2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5180	-	16.673	4.27	4.57	8.84	9.46	23.97	14.51	7.96	8.53	16.49	12.17	29.97	17.80
5220	-	16.691	4.16	4.93	***9.09***	***9.59***	23.97	14.38	7.76	9.20	***16.97***	***12.30***	29.97	17.67
5240	-	16.708	4.12	4.54	8.66	9.38	23.97	14.59	7.69	8.47	16.16	12.09	29.97	17.88
5260	19.480	16.669	3.90	4.47	***8.37***	***9.23***	23.89	14.66	7.28	8.34	***15.61***	***11.94***	29.97	18.03
5300	19.611	16.726	3.73	4.34	8.07	9.07	23.92	14.85	6.97	8.09	15.06	11.78	29.97	18.19
5320	19.487	16.643	3.85	4.06	7.91	8.98	23.89	14.91	7.19	7.57	14.76	11.69	29.97	18.28
5500	19.566	16.641	4.10	3.61	7.71	8.87	23.91	15.04	7.66	6.73	14.39	11.58	29.97	18.39
5580	19.476	16.655	4.52	3.34	7.86	8.95	23.89	14.94	8.43	6.24	14.67	11.66	29.97	18.31
5700	19.201	16.693	4.99	3.74	***8.73***	***9.41***	23.83	14.42	9.31	6.98	***16.29***	***12.12***	29.97	17.85
5720	19.530	16.643	4.75	3.64	8.39	9.24	23.90	14.66	8.87	6.79	15.66	11.95	29.97	18.02
5745	-	16.654	5.00	3.96	8.96	9.52	30.00	20.48	9.33	7.40	16.73	12.23	36.00	23.77
5785	-	16.703	4.83	4.18	***9.01***	***9.55***	30.00	20.45	9.02	7.80	***16.81***	***12.26***	36.00	23.74
5825	-	16.688	4.78	3.94	8.71	9.40	30.00	20.60	8.91	7.35	16.26	12.11	36.00	23.89

	(*1)	**Chain 1**						**Chain 2**					
Tested Frequency [MHz]	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain *2) [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain *2) [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5180	0.00	-5.21	1.53	9.98	2.71	6.30	9.01	-4.98	1.60	9.98	2.71	6.60	9.31
5220	0.00	-5.33	1.54	9.98	2.71	6.19	8.90	-4.66	1.61	9.98	2.71	6.93	9.64
5240	0.00	-5.49	1.66	9.98	2.71	6.15	8.86	-4.98	1.57	9.98	2.71	6.57	9.28
5260	0.00	-5.64	1.57	9.98	2.71	5.91	8.62	-5.06	1.58	9.98	2.71	6.50	9.21
5300	0.00	-5.84	1.58	9.98	2.71	5.72	8.43	-5.19	1.58	9.98	2.71	6.37	9.08
5320	0.00	-5.85	1.73	9.98	2.71	5.86	8.57	-5.52	1.62	9.98	2.71	6.08	8.79
5500	0.00	-5.53	1.68	9.98	2.71	6.13	8.84	-6.11	1.70	9.98	2.71	5.57	8.28
5580	0.00	-5.12	1.69	9.98	2.71	6.55	9.26	-6.44	1.70	9.98	2.71	5.24	7.95
5700	0.00	-4.59	1.59	9.98	2.71	6.98	9.69	-5.84	1.59	9.98	2.71	5.73	8.44
5720	0.00	-4.80	1.59	9.98	2.71	6.77	9.48	-5.97	1.60	9.98	2.71	5.61	8.32
5745	0.00	-4.59	1.59	9.99	2.71	6.99	9.70	-5.59	1.58	9.99	2.71	5.98	8.69
5785	0.00	-4.75	1.60	9.99	2.71	6.84	9.55	-5.36	1.58	9.99	2.71	6.21	8.92
5825	0.00	-4.80	1.60	9.99	2.71	6.79	9.50	-5.61	1.57	9.99	2.71	5.95	8.66

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor
(*1) Power was measured with using the gate function of power meter. *2) Antenna Gain applied the highest gain of the two antennas.
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	February 9, 2024
Temperature / Humidity	23 deg. C / 24 % RH
Engineer	Miku Ikudome
Mode	Tx 11n-20 (CDD)

Chain 1+2

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted power Chain 1 [mW]	Chain 2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	e.i.r.p. Chain 1 [mW]	Chain 2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5180	-	17.760	4.25	4.44	8.68	9.39	23.97	14.58	7.93	8.28	16.20	12.10	29.97	17.87
5220	-	17.761	4.02	4.72	***8.74***	***9.41***	23.97	14.56	7.50	8.81	***16.31***	***12.12***	29.97	17.85
5240	-	17.733	3.85	4.20	8.05	9.06	23.97	14.91	7.19	7.83	15.03	11.77	29.97	18.20
5260	20.265	17.732	3.72	4.01	7.72	8.88	23.97	15.09	6.93	7.48	14.42	11.59	29.97	18.38
5300	20.443	17.746	3.52	4.18	7.69	8.86	23.97	15.11	6.56	7.80	14.36	11.57	29.97	18.40
5320	20.209	17.726	3.79	3.96	***7.76***	***8.90***	23.97	15.07	7.08	7.40	***14.48***	***11.61***	29.97	18.36
5500	20.166	17.785	4.01	3.54	7.55	8.78	23.97	15.19	7.48	6.61	14.09	11.49	29.97	18.48
5580	20.126	17.750	4.48	3.58	8.06	9.06	23.97	14.91	8.36	6.68	15.04	11.77	29.97	18.20
5700	20.196	17.738	5.01	3.80	***8.81***	***9.45***	23.97	14.52	9.35	7.10	***16.45***	***12.16***	29.97	17.81
5720	19.908	17.767	4.71	3.65	8.36	9.22	23.97	14.75	8.79	6.81	15.60	11.93	29.97	18.04
5745	-	17.741	4.93	3.94	***8.87***	***9.48***	30.00	20.52	9.20	7.35	***16.55***	***12.19***	36.00	23.81
5785	-	17.803	4.66	4.14	8.80	9.44	30.00	20.56	8.69	7.73	16.42	12.15	36.00	23.85
5825	-	17.747	4.63	4.09	8.73	9.41	30.00	20.59	8.65	7.64	16.29	12.12	36.00	23.88

	(*1)	**Chain 1**						**Chain 2**					
Tested Frequency [MHz]	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain *2) [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain *2) [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5180	0.00	-5.23	1.53	9.98	2.71	6.28	8.99	-5.11	1.60	9.98	2.71	6.47	9.18
5220	0.00	-5.48	1.54	9.98	2.71	6.04	8.75	-4.85	1.61	9.98	2.71	6.74	9.45
5240	0.00	-5.78	1.66	9.98	2.71	5.86	8.57	-5.32	1.57	9.98	2.71	6.23	8.94
5260	0.00	-5.85	1.57	9.98	2.71	5.70	8.41	-5.53	1.58	9.98	2.71	6.03	8.74
5300	0.00	-6.10	1.58	9.98	2.71	5.46	8.17	-5.35	1.58	9.98	2.71	6.21	8.92
5320	0.00	-5.92	1.73	9.98	2.71	5.79	8.50	-5.62	1.62	9.98	2.71	5.98	8.69
5500	0.00	-5.63	1.68	9.98	2.71	6.03	8.74	-6.19	1.70	9.98	2.71	5.49	8.20
5580	0.00	-5.16	1.69	9.98	2.71	6.51	9.22	-6.14	1.70	9.98	2.71	5.54	8.25
5700	0.00	-4.57	1.59	9.98	2.71	7.00	9.71	-5.77	1.59	9.98	2.71	5.80	8.51
5720	0.00	-4.84	1.59	9.98	2.71	6.73	9.44	-5.96	1.60	9.98	2.71	5.62	8.33
5745	0.00	-4.65	1.59	9.99	2.71	6.93	9.64	-5.62	1.58	9.99	2.71	5.95	8.66
5785	0.00	-4.91	1.60	9.99	2.71	6.68	9.39	-5.40	1.58	9.99	2.71	6.17	8.88
5825	0.00	-4.93	1.60	9.99	2.71	6.66	9.37	-5.44	1.57	9.99	2.71	6.12	8.83

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor
(*1) Power was measured with using the gate function of power meter. *2) Antenna Gain applied the highest gain of the two antennas.
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 25, 2024
Temperature / Humidity	21 deg. C / 27 % RH
Engineer	Yuta Shiba
Mode	Tx 11ac-20 (CDD)

Chain 1+2 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted power Chain 1 [mW]	Chain 2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	e.i.r.p. Chain 1 [mW]	Chain 2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5180	-	17.785	1.74	1.82	***3.56***	***5.51***	23.97	18.46	3.25	3.39	***6.64***	***8.22***	29.97	21.75
5220	-	17.776	1.70	1.79	3.49	5.43	23.97	18.54	3.17	3.35	6.52	8.14	29.97	21.83
5240	-	17.716	1.67	1.69	3.37	5.27	23.97	18.70	3.12	3.16	6.28	7.98	29.97	21.99
5260	20.374	17.738	1.59	1.63	***3.22***	***5.08***	23.97	18.89	2.97	3.04	***6.01***	***7.79***	29.97	22.18
5300	20.309	17.800	1.55	1.59	3.14	4.97	23.97	19.00	2.89	2.96	5.86	7.68	29.97	22.29
5320	20.204	17.765	1.54	1.54	3.08	4.89	23.97	19.08	2.88	2.87	5.75	7.60	29.97	22.37
5500	20.299	17.782	1.71	1.37	3.08	4.88	23.97	19.09	3.19	2.55	5.74	7.59	29.97	22.38
5580	20.232	17.808	1.93	1.36	3.29	5.17	23.97	18.80	3.60	2.54	6.13	7.88	29.97	22.09
5700	19.859	17.787	2.09	1.47	***3.57***	***5.52***	23.97	18.45	3.91	2.75	***6.66***	***8.23***	29.97	21.74
5720	20.137	17.754	1.92	1.38	3.30	5.18	23.97	18.79	3.58	2.58	6.16	7.89	29.97	22.08
5745	-	17.785	2.07	1.57	3.64	5.62	30.00	24.38	3.86	2.94	6.80	8.33	36.00	27.67
5785	-	17.764	2.01	1.65	***3.67***	***5.64***	30.00	24.36	3.76	3.08	***6.84***	***8.35***	36.00	27.65
5825	-	17.758	1.97	1.52	3.49	5.43	30.00	24.57	3.68	2.83	6.51	8.14	36.00	27.86

	(*1)	**Chain 1**						**Chain 2**					
Tested Frequency [MHz]	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain *2) [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain *2) [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5180	0.00	-9.10	1.53	9.98	2.71	2.41	5.12	-8.99	1.60	9.98	2.71	2.59	5.30
5220	0.00	-9.22	1.54	9.98	2.71	2.30	5.01	-9.05	1.61	9.98	2.71	2.54	5.25
5240	0.00	-9.41	1.66	9.98	2.71	2.23	4.94	-9.26	1.57	9.98	2.71	2.29	5.00
5260	0.00	-9.53	1.57	9.98	2.71	2.02	4.73	-9.44	1.58	9.98	2.71	2.12	4.83
5300	0.00	-9.66	1.58	9.98	2.71	1.90	4.61	-9.55	1.58	9.98	2.71	2.01	4.72
5320	0.00	-9.83	1.73	9.98	2.71	1.88	4.59	-9.73	1.62	9.98	2.71	1.87	4.58
5500	0.00	-9.33	1.68	9.98	2.71	2.33	5.04	-10.32	1.70	9.98	2.71	1.36	4.07
5580	0.00	-8.82	1.69	9.98	2.71	2.85	5.56	-10.35	1.70	9.98	2.71	1.33	4.04
5700	0.00	-8.36	1.59	9.98	2.71	3.21	5.92	-9.89	1.59	9.98	2.71	1.68	4.39
5720	0.00	-8.74	1.59	9.98	2.71	2.83	5.54	-10.18	1.60	9.98	2.71	1.40	4.11
5745	0.00	-8.42	1.59	9.99	2.71	3.16	5.87	-9.60	1.58	9.99	2.71	1.97	4.68
5785	0.00	-8.55	1.60	9.99	2.71	3.04	5.75	-9.39	1.58	9.99	2.71	2.18	4.89
5825	0.00	-8.64	1.60	9.99	2.71	2.95	5.66	-9.75	1.57	9.99	2.71	1.81	4.52

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor
(*1) Power was measured with using the gate function of power meter. *2) Antenna Gain applied the highest gain of the two antennas.
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 24, 2024
Temperature / Humidity	20 deg. C / 20 % RH
Engineer	Yuta Shiba
Mode	Tx 11n-40 (CDD)

Chain 1+2

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted power Chain 1 [mW]	Chain 2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	e.i.r.p. Chain 1 [mW]	Chain 2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5190	-	36.546	3.54	4.04	***7.58***	***8.79***	23.97	15.18	6.61	7.53	***14.14***	***11.50***	29.97	18.47
5230	-	36.454	3.48	3.73	7.22	8.58	23.97	15.39	6.50	6.97	13.47	11.29	29.97	18.68
5270	40.050	36.441	3.70	3.61	***7.31***	***8.64***	23.97	15.33	6.90	6.75	***13.65***	***11.35***	29.97	18.62
5310	39.817	36.378	3.30	3.72	7.02	8.46	23.97	15.51	6.17	6.93	13.10	11.17	29.97	18.80
5510	40.342	36.445	3.85	3.10	6.94	8.42	23.97	15.55	7.18	5.78	12.96	11.13	29.97	18.84
5550	39.981	36.412	3.93	2.79	6.72	8.27	23.97	15.70	7.33	5.21	12.54	10.98	29.97	18.99
5670	40.004	36.413	4.46	3.44	7.89	8.97	23.97	15.00	8.32	6.41	14.73	11.68	29.97	18.29
5710	39.687	36.329	4.74	3.44	***8.18***	***9.13***	23.97	14.84	8.85	6.41	***15.26***	***11.84***	29.97	18.13
5755	-	36.422	4.61	3.68	8.29	9.19	30.00	20.81	8.61	6.87	15.48	11.90	36.00	24.10
5795	-	36.373	4.46	3.85	***8.30***	***9.19***	30.00	20.81	8.32	7.18	***15.50***	***11.90***	36.00	24.10

Tested Frequency [MHz]	(*1) Duty Factor [dB]	**Chain 1** Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain *2) [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]	**Chain 2** Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain *2) [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]
5190	0.00	-6.02	1.53	9.98	2.71	5.49	8.20	-5.52	1.60	9.98	2.71	6.06	8.77
5230	0.00	-6.10	1.54	9.98	2.71	5.42	8.13	-5.80	1.54	9.98	2.71	5.72	8.43
5270	0.00	-5.88	1.58	9.98	2.71	5.68	8.39	-5.98	1.58	9.98	2.71	5.58	8.29
5310	0.00	-6.37	1.58	9.98	2.71	5.19	7.90	-5.87	1.59	9.98	2.71	5.70	8.41
5510	0.00	-5.81	1.68	9.98	2.71	5.85	8.56	-6.77	1.70	9.98	2.71	4.91	7.62
5550	0.00	-5.72	1.68	9.98	2.71	5.94	8.65	-7.22	1.70	9.98	2.71	4.46	7.17
5670	0.00	-5.11	1.62	9.98	2.71	6.49	9.20	-6.26	1.64	9.98	2.71	5.36	8.07
5710	0.00	-4.81	1.59	9.98	2.71	6.76	9.47	-6.21	1.59	9.98	2.71	5.36	8.07
5755	0.00	-4.95	1.60	9.99	2.71	6.64	9.35	-5.91	1.58	9.99	2.71	5.66	8.37
5795	0.00	-5.10	1.60	9.99	2.71	6.49	9.20	-5.72	1.58	9.99	2.71	5.85	8.56

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor
(*1) Power was measured with using the gate function of power meter. *2) Antenna Gain applied the highest gain of the two antennas.
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 25, 2024
Temperature / Humidity	21 deg. C / 27 % RH
Engineer	Yuta Shiba
Mode	Tx 11ac-40 (CDD)

Chain 1+2

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted power Chain 1 [mW]	Chain 2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	e.i.r.p. Chain 1 [mW]	Chain 2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5190	-	36.508	1.44	1.55	2.99	4.75	23.97	19.22	2.69	2.88	5.58	7.46	29.97	22.51
5230	-	36.335	1.56	1.66	***3.22***	***5.08***	23.97	18.89	2.91	3.10	***6.02***	***7.79***	29.97	22.18
5270	40.279	36.552	1.49	1.48	***2.97***	***4.73***	23.97	19.24	2.78	2.76	***5.54***	***7.44***	29.97	22.53
5310	39.975	36.474	1.39	1.49	2.89	4.60	23.97	19.37	2.60	2.79	5.39	7.31	29.97	22.66
5510	40.442	36.528	1.43	1.25	2.68	4.28	23.97	19.69	2.67	2.33	5.00	6.99	29.97	22.98
5550	39.774	36.369	1.61	1.12	2.74	4.37	23.97	19.60	3.01	2.09	5.11	7.08	29.97	22.89
5670	40.305	36.398	1.82	1.32	3.14	4.97	23.97	19.00	3.40	2.46	5.86	7.68	29.97	22.29
5710	40.259	36.416	1.91	1.38	***3.29***	***5.17***	23.97	18.80	3.56	2.57	***6.13***	***7.88***	29.97	22.09
5755	-	36.424	1.92	1.40	3.33	5.22	30.00	24.78	3.59	2.62	6.21	7.93	36.00	28.07
5795	-	36.398	1.89	1.49	***3.38***	***5.29***	30.00	24.71	3.52	2.79	***6.31***	***8.00***	36.00	28.00

	(*1)	Chain 1						Chain 2					
Tested Frequency [MHz]	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain *2) [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain *2) [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5190	0.00	-9.92	1.53	9.98	2.71	1.59	4.30	-9.69	1.60	9.98	2.71	1.89	4.60
5230	0.00	-9.59	1.54	9.98	2.71	1.93	4.64	-9.31	1.54	9.98	2.71	2.21	4.92
5270	0.00	-9.83	1.58	9.98	2.71	1.73	4.44	-9.86	1.58	9.98	2.71	1.70	4.41
5310	0.00	-10.12	1.58	9.98	2.71	1.44	4.15	-9.83	1.59	9.98	2.71	1.74	4.45
5510	0.00	-10.10	1.68	9.98	2.71	1.56	4.27	-10.72	1.70	9.98	2.71	0.96	3.67
5550	0.00	-9.58	1.68	9.98	2.71	2.08	4.79	-11.18	1.70	9.98	2.71	0.50	3.21
5670	0.00	-9.00	1.62	9.98	2.71	2.60	5.31	-10.42	1.64	9.98	2.71	1.20	3.91
5710	0.00	-8.76	1.59	9.98	2.71	2.81	5.52	-10.18	1.59	9.98	2.71	1.39	4.10
5755	0.00	-8.75	1.60	9.99	2.71	2.84	5.55	-10.10	1.58	9.99	2.71	1.47	4.18
5795	0.00	-8.83	1.60	9.99	2.71	2.76	5.47	-9.83	1.58	9.99	2.71	1.74	4.45

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor
(*1) Power was measured with using the gate function of power meter. *2) Antenna Gain applied the highest gain of the two antennas.
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 25, 2024
Temperature / Humidity	21 deg. C / 27 % RH
Engineer	Yuta Shiba
Mode	Tx 11ac-80 (CDD)

Chain 1+2

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted power Chain 1 [mW]	Chain 2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	e.i.r.p. Chain 1 [mW]	Chain 2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5210	-	75.786	1.36	1.51	***2.87***	***4.58***	23.97	19.39	2.55	2.81	***5.36***	***7.29***	29.97	22.68
5290	82.548	75.830	1.38	1.53	***2.91***	***4.64***	23.97	19.33	2.58	2.85	***5.43***	***7.35***	29.97	22.62
5530	82.044	75.768	1.53	1.23	2.76	4.41	23.97	19.56	2.85	2.30	5.15	7.12	29.97	22.85
5610	82.466	75.681	1.64	1.22	2.87	4.57	23.97	19.40	3.06	2.29	5.35	7.28	29.97	22.69
5690	82.688	75.721	1.87	1.35	***3.22***	***5.07***	23.97	18.90	3.49	2.51	***6.00***	***7.78***	29.97	22.19
5775	-	75.568	1.84	1.38	***3.22***	***5.08***	30.00	24.92	3.44	2.58	***6.02***	***7.79***	36.00	28.21

	(*1)	**Chain 1**						**Chain 2**					
Tested Frequency [MHz]	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain *2) [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain *2) [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5210	0.00	-10.16	1.53	9.98	2.71	1.35	4.06	-9.81	1.61	9.98	2.71	1.78	4.49
5290	0.00	-10.16	1.58	9.98	2.71	1.40	4.11	-9.72	1.58	9.98	2.71	1.84	4.55
5530	0.00	-9.82	1.68	9.98	2.71	1.84	4.55	-10.77	1.70	9.98	2.71	0.91	3.62
5610	0.00	-9.45	1.62	9.98	2.71	2.15	4.86	-10.74	1.64	9.98	2.71	0.88	3.59
5690	0.00	-8.88	1.62	9.98	2.71	2.72	5.43	-10.33	1.64	9.98	2.71	1.29	4.00
5775	0.00	-8.94	1.60	9.99	2.71	2.65	5.36	-10.16	1.58	9.99	2.71	1.41	4.12

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor
(*1) Power was measured with using the gate function of power meter. *2) Antenna Gain applied the highest gain of the two antennas.
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 30, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Kouki Yamada
Mode	Tx 11a (SISO)

5180 MHz (*1)

	Data rate [Mbps]	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks
Chain 1	6	-2.37	1.53	9.98	0.00	9.14	
	9	-2.35	1.53	9.98	0.00	9.16	
	12	-2.35	1.53	9.98	0.00	9.16	
	18	-1.36	1.53	9.98	0.00	10.15	
	24	-1.48	1.53	9.98	0.00	10.03	
	36	-1.99	1.53	9.98	0.00	9.52	
	48	-2.11	1.53	9.98	0.00	9.40	
	54	-2.04	1.53	9.98	0.00	9.47	
Chain 2	6	-1.73	1.60	9.98	0.00	9.85	
	9	-1.74	1.60	9.98	0.00	9.84	
	12	-1.71	1.60	9.98	0.00	9.87	
	18	-0.81	1.60	9.98	0.00	**10.77**	**Worst**
	24	-0.83	1.60	9.98	0.00	10.75	
	36	-1.33	1.60	9.98	0.00	10.25	
	48	-1.35	1.60	9.98	0.00	10.23	
	54	-1.27	1.60	9.98	0.00	10.31	

Sample Calculation:

Conducted Pow er Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

(*1) Power was measured with using the gate function of power meter.

* All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 30, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Kouki Yamada
Mode	Tx 11n-20 (SISO)

5180 MHz (*1)

	Mode (MCS)	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks
Chain 1	0	-2.54	1.53	9.98	0.00	8.97	
	1	-2.51	1.53	9.98	0.00	9.00	
	2	-1.68	1.53	9.98	0.00	9.83	
	3	-1.73	1.53	9.98	0.00	9.78	
	4	-2.33	1.53	9.98	0.00	9.18	
	5	-2.25	1.53	9.98	0.00	9.26	
	6	-2.15	1.53	9.98	0.00	9.36	
	7	-2.23	1.53	9.98	0.00	9.28	
Chain 2	0	-2.00	1.60	9.98	0.00	9.58	
	1	-1.97	1.60	9.98	0.00	9.61	
	2	-1.12	1.60	9.98	0.00	**10.46**	**Worst**
	3	-1.24	1.60	9.98	0.00	10.34	
	4	-1.65	1.60	9.98	0.00	9.93	
	5	-1.72	1.60	9.98	0.00	9.86	
	6	-1.68	1.60	9.98	0.00	9.90	
	7	-1.71	1.60	9.98	0.00	9.87	

Sample Calculation:

Conducted Pow er Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

(*1) Power was measured with using the gate function of power meter.

* All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 22, 2024
Temperature / Humidity	24 deg. C / 35 % RH
Engineer	Yuta Shiba
Mode	Tx 11ac-20 (SISO)

5180 MHz (*1)

	Mode (MCS)	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks
Chain 1	0	-7.86	1.53	9.98	0.00	3.65	
	1	-7.74	1.53	9.98	0.00	3.77	
	2	-6.89	1.53	9.98	0.00	4.62	
	3	-6.91	1.53	9.98	0.00	4.60	
	4	-6.98	1.53	9.98	0.00	4.53	
	5	-7.42	1.53	9.98	0.00	4.09	
	6	-7.36	1.53	9.98	0.00	4.15	
	7	-7.31	1.53	9.98	0.00	4.20	
	8	-7.35	1.53	9.98	0.00	4.16	
Chain 2	0	-7.25	1.60	9.98	0.00	4.33	
	1	-7.19	1.60	9.98	0.00	4.39	
	2	-6.34	1.60	9.98	0.00	**5.24**	**Worst**
	3	-6.44	1.60	9.98	0.00	5.14	
	4	-6.85	1.60	9.98	0.00	4.73	
	5	-6.92	1.60	9.98	0.00	4.66	
	6	-6.89	1.60	9.98	0.00	4.69	
	7	-6.94	1.60	9.98	0.00	4.64	
	8	-6.93	1.60	9.98	0.00	4.65	

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

(*1) Power was measured with using the gate function of power meter.

* All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 30, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Kouki Yamada
Mode	Tx 11n-40 (SISO)

5190 MHz (*1)

	Mode (MCS)	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks
Chain 1	0	-2.01	1.60	9.98	0.00	9.57	
	1	-1.93	1.60	9.98	0.00	9.65	
	2	-1.88	1.60	9.98	0.00	9.70	
	3	-1.80	1.60	9.98	0.00	9.78	
	4	-1.81	1.60	9.98	0.00	9.77	
	5	-1.83	1.60	9.98	0.00	9.75	
	6	-1.82	1.60	9.98	0.00	9.76	
	7	-1.81	1.60	9.98	0.00	9.77	
Chain 2	0	-2.03	1.60	9.98	0.00	9.55	
	1	-2.04	1.60	9.98	0.00	9.54	
	2	-1.60	1.60	9.98	0.00	9.98	
	3	-1.23	1.60	9.98	0.00	**10.35**	**Worst**
	4	-1.84	1.60	9.98	0.00	9.74	
	5	-1.72	1.60	9.98	0.00	9.86	
	6	-1.78	1.60	9.98	0.00	9.80	
	7	-1.76	1.60	9.98	0.00	9.82	

Sample Calculation:

Conducted Pow er Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

(*1) Power was measured with using the gate function of power meter.

* All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 30, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Kouki Yamada
Mode	Tx 11ac-40 (SISO)

5190 MHz (*1)

	Mode (MCS)	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks
Chain 1	0	-6.11	1.53	9.98	0.00	5.40	
	1	-6.11	1.53	9.98	0.00	5.40	
	2	-6.05	1.53	9.98	0.00	5.46	
	3	-6.11	1.53	9.98	0.00	5.40	
	4	-6.41	1.53	9.98	0.00	5.10	
	5	-6.35	1.53	9.98	0.00	5.16	
	6	-6.29	1.53	9.98	0.00	5.22	
	7	-6.24	1.53	9.98	0.00	5.27	
	8	-6.34	1.53	9.98	0.00	5.17	
	9	-6.28	1.53	9.98	0.00	5.23	
Chain 2	0	-5.47	1.60	9.98	0.00	6.11	
	1	-5.43	1.60	9.98	0.00	6.15	
	2	-5.32	1.60	9.98	0.00	**6.26**	**Worst**
	3	-5.40	1.60	9.98	0.00	6.18	
	4	-5.60	1.60	9.98	0.00	5.98	
	5	-5.64	1.60	9.98	0.00	5.94	
	6	-5.54	1.60	9.98	0.00	6.04	
	7	-5.51	1.60	9.98	0.00	6.07	
	8	-5.62	1.60	9.98	0.00	5.96	
	9	-5.57	1.60	9.98	0.00	6.01	

Sample Calculation:

Conducted Pow er Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

(*1) Power was measured with using the gate function of power meter.

* All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 30, 2024
Temperature / Humidity	21 deg. C / 26 % RH
Engineer	Kouki Yamada
Mode	Tx 11ac-80 (SISO)

5210 MHz (*1)

	Mode (MCS)	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks
Chain 1	0	-6.51	1.53	9.98	0.00	5.00	
	1	-6.59	1.53	9.98	0.00	4.92	
	2	-6.41	1.53	9.98	0.00	5.10	
	3	-6.44	1.53	9.98	0.00	5.07	
	4	-6.40	1.53	9.98	0.00	5.11	
	5	-6.47	1.53	9.98	0.00	5.04	
	6	-6.47	1.53	9.98	0.00	5.04	
	7	-6.48	1.53	9.98	0.00	5.03	
	8	-6.39	1.53	9.98	0.00	5.12	
	9	-6.33	1.53	9.98	0.00	5.18	
Chain 2	0	-5.87	1.61	9.98	0.00	5.72	
	1	-5.95	1.61	9.98	0.00	5.64	
	2	-5.83	1.61	9.98	0.00	5.76	
	3	-5.86	1.61	9.98	0.00	5.73	
	4	-5.82	1.61	9.98	0.00	5.77	
	5	-5.62	1.61	9.98	0.00	**5.97**	**Worst**
	6	-5.84	1.61	9.98	0.00	5.75	
	7	-5.83	1.61	9.98	0.00	5.76	
	8	-5.88	1.61	9.98	0.00	5.71	
	9	-5.86	1.61	9.98	0.00	5.73	

Sample Calculation:

Conducted Pow er Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

(*1) Power was measured with using the gate function of power meter.

* All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 25, 2024
Temperature / Humidity	21 deg. C / 27 % RH
Engineer	Yuta Shiba
Mode	Tx 11a (CDD)

Worst rate check (5180 MHz)

data rate	Chain 1					Chain 2					Total Result Power		Remark
	Reading (Average)	Cable Loss	Atten. Loss	Result		Reading (Average)	Cable Loss	Atten. Loss	Result				
[Mbps]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	
6	-6.16	1.53	9.98	5.35	3.43	-5.89	1.60	9.98	5.69	3.71	8.53	7.13	-
9	-6.12	1.53	9.98	5.39	3.46	-5.87	1.60	9.98	5.71	3.72	8.56	7.18	-
12	-6.11	1.53	9.98	5.40	3.47	-5.85	1.60	9.98	5.73	3.74	8.58	7.21	-
18	-5.21	1.53	9.98	6.30	4.27	-4.98	1.60	9.98	6.60	4.57	9.46	8.84	*
24	-5.23	1.53	9.98	6.28	4.25	-5.04	1.60	9.98	6.54	4.51	9.42	8.75	-
36	-5.87	1.53	9.98	5.64	3.66	-5.43	1.60	9.98	6.15	4.12	8.91	7.79	-
48	-5.91	1.53	9.98	5.60	3.63	-5.59	1.60	9.98	5.99	3.97	8.81	7.60	-
54	-5.79	1.53	9.98	5.72	3.73	-5.48	1.60	9.98	6.10	4.07	8.92	7.81	-

*Worst Rate

Sample Calculation:

Each port Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

Total Result = Chain 1 Result + Chain 2 Result

* This measurement was performed only on the on time using the gate function of power meter.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	February 9, 2024
Temperature / Humidity	23 deg. C / 24 % RH
Engineer	Miku Ikudome
Mode	Tx 11n-20 (MIMO)

Worst rate check (5180 MHz)

MCS	Chain 1					Chain 2					Total Result Power		Remark
	Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]	Result [mW]	Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]	Result [mW]	[dBm]	[mW]	
0	-6.18	1.53	9.98	5.33	3.41	-6.17	1.60	9.98	5.41	3.48	8.38	6.89	-
1	-6.11	1.53	9.98	5.40	3.47	-6.24	1.60	9.98	5.34	3.42	8.38	6.89	-
2	-5.35	1.53	9.98	6.16	4.13	-5.23	1.60	9.98	6.35	4.32	9.27	8.45	-
3	-5.23	1.53	9.98	6.28	4.25	-5.11	1.60	9.98	6.47	4.44	9.39	8.68	*
4	-5.85	1.53	9.98	5.66	3.68	-5.52	1.60	9.98	6.06	4.04	8.87	7.72	-
5	-5.81	1.53	9.98	5.70	3.72	-5.38	1.60	9.98	6.20	4.17	8.97	7.88	-
6	-5.96	1.53	9.98	5.55	3.59	-5.38	1.60	9.98	6.20	4.17	8.90	7.76	-
7	-5.79	1.53	9.98	5.72	3.73	-5.45	1.60	9.98	6.13	4.10	8.94	7.83	-
8	-6.28	1.53	9.98	5.23	3.33	-5.82	1.60	9.98	5.76	3.77	8.51	7.10	-
9	-6.26	1.53	9.98	5.25	3.35	-5.79	1.60	9.98	5.79	3.79	8.54	7.14	-
10	-5.34	1.53	9.98	6.17	4.14	-5.04	1.60	9.98	6.54	4.51	9.37	8.65	-
11	-5.47	1.53	9.98	6.04	4.02	-4.99	1.60	9.98	6.59	4.56	9.33	8.58	-
12	-5.84	1.53	9.98	5.67	3.69	-5.51	1.60	9.98	6.07	4.05	8.88	7.74	-
13	-5.83	1.53	9.98	5.68	3.70	-5.43	1.60	9.98	6.15	4.12	8.93	7.82	-
14	-5.85	1.53	9.98	5.66	3.68	-5.55	1.60	9.98	6.03	4.01	8.86	7.69	-
15	-5.94	1.53	9.98	5.57	3.61	-5.53	1.60	9.98	6.05	4.03	8.83	7.63	-

*Worst Rate

Sample Calculation:

Each port Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

Total Result = Chain 1 Result + Chain 2 Result

* This measurement was performed only on the on time using the gate function of power meter.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 25, 2024
Temperature / Humidity	21 deg. C / 27 % RH
Engineer	Yuta Shiba
Mode	Tx 11ac-20 (MIMO)

Worst rate check (5180 MHz)

MCS	Chain 1					Chain 2					Total Result Power		Remark
	Reading (Average)	Cable Loss	Atten. Loss	Result		Reading (Average)	Cable Loss	Atten. Loss	Result				
	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	
0 (1SS)	-10.10	1.53	9.98	1.41	1.38	-9.97	1.60	9.98	1.61	1.45	4.52	2.83	-
1 (1SS)	-9.98	1.53	9.98	1.53	1.42	-9.80	1.60	9.98	1.78	1.51	4.67	2.93	-
2 (1SS)	-9.14	1.53	9.98	2.37	1.73	-8.96	1.60	9.98	2.62	1.83	5.51	3.55	-
3 (1SS)	-9.10	1.53	9.98	2.41	1.74	-8.99	1.60	9.98	2.59	1.82	5.51	3.56	*
4 (1SS)	-9.80	1.53	9.98	1.71	1.48	-9.48	1.60	9.98	2.10	1.62	4.92	3.10	-
5 (1SS)	-9.84	1.53	9.98	1.67	1.47	-9.43	1.60	9.98	2.15	1.64	4.93	3.11	-
6 (1SS)	-9.71	1.53	9.98	1.80	1.51	-9.48	1.60	9.98	2.10	1.62	4.96	3.14	-
7 (1SS)	-9.64	1.53	9.98	1.87	1.54	-9.45	1.60	9.98	2.13	1.63	5.01	3.17	-
8 (1SS)	-9.67	1.53	9.98	1.84	1.53	-9.47	1.60	9.98	2.11	1.63	4.99	3.15	-
0 (2SS)	-10.02	1.53	9.98	1.49	1.41	-9.91	1.60	9.98	1.67	1.47	4.59	2.88	-
1 (2SS)	-10.08	1.53	9.98	1.43	1.39	-9.84	1.60	9.98	1.74	1.49	4.60	2.88	-
2 (2SS)	-9.27	1.53	9.98	2.24	1.67	-8.92	1.60	9.98	2.66	1.85	5.47	3.52	-
3 (2SS)	-9.21	1.53	9.98	2.30	1.70	-8.89	1.60	9.98	2.69	1.86	5.51	3.56	-
4 (2SS)	-9.80	1.53	9.98	1.71	1.48	-9.38	1.60	9.98	2.20	1.66	4.97	3.14	-
5 (2SS)	-9.54	1.53	9.98	1.97	1.57	-9.39	1.60	9.98	2.19	1.66	5.09	3.23	-
6 (2SS)	-9.76	1.53	9.98	1.75	1.50	-9.37	1.60	9.98	2.21	1.66	5.00	3.16	-
7 (2SS)	-9.68	1.53	9.98	1.83	1.52	-9.39	1.60	9.98	2.19	1.66	5.02	3.18	-
8 (2SS)	-9.74	1.53	9.98	1.77	1.50	-9.40	1.60	9.98	2.18	1.65	4.99	3.16	-

*Worst Rate

Sample Calculation: (* SS: Spatial Stream)

Each port Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

Total Result = Chain 1 Result + Chain 2 Result

* This measurement was performed only on the on time using the gate function of power meter.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 24, 2024
Temperature / Humidity	20 deg. C / 20 % RH
Engineer	Yuta Shiba
Mode	Tx 11n-40 (MIMO)

Worst rate check (5190 MHz)

MCS	Chain 1					Chian 2					Total Result Power		Remark
	Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]	Result [mW]	Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]	Result [mW]	[dBm]	[mW]	
0	-6.10	1.53	9.98	5.41	3.48	-5.46	1.60	9.98	6.12	4.09	8.79	7.57	-
1	-6.19	1.53	9.98	5.32	3.40	-5.59	1.60	9.98	5.99	3.97	8.68	7.38	-
2	-6.02	1.53	9.98	5.49	3.54	-5.52	1.60	9.98	6.06	4.04	8.79	7.58	*
3	-6.18	1.53	9.98	5.33	3.41	-5.49	1.60	9.98	6.09	4.06	8.74	7.48	-
4	-6.23	1.53	9.98	5.28	3.37	-5.69	1.60	9.98	5.89	3.88	8.61	7.25	-
5	-6.27	1.53	9.98	5.24	3.34	-5.66	1.60	9.98	5.92	3.91	8.60	7.25	-
6	-6.33	1.53	9.98	5.18	3.30	-5.69	1.60	9.98	5.89	3.88	8.56	7.18	-
7	-6.24	1.53	9.98	5.27	3.37	-5.71	1.60	9.98	5.87	3.86	8.59	7.23	-
8	-6.16	1.53	9.98	5.35	3.43	-5.48	1.60	9.98	6.10	4.07	8.75	7.50	-
9	-6.16	1.53	9.98	5.35	3.43	-5.63	1.60	9.98	5.95	3.94	8.67	7.36	-
10	-6.12	1.53	9.98	5.39	3.46	-5.57	1.60	9.98	6.01	3.99	8.72	7.45	-
11	-6.05	1.53	9.98	5.46	3.52	-5.66	1.60	9.98	5.92	3.91	8.71	7.42	-
12	-6.27	1.53	9.98	5.24	3.34	-5.60	1.60	9.98	5.98	3.96	8.64	7.30	-
13	-6.21	1.53	9.98	5.30	3.39	-5.70	1.60	9.98	5.88	3.87	8.61	7.26	-
14	-6.33	1.53	9.98	5.18	3.30	-5.67	1.60	9.98	5.91	3.90	8.57	7.20	-
15	-6.41	1.53	9.98	5.10	3.24	-5.71	1.60	9.98	5.87	3.86	8.51	7.10	-

*Worst Rate

Sample Calculation:

Each port Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

Total Result = Chain 1 Result + Chian 2 Result

* This measurement was performed only on the on time using the gate function of power meter.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 25, 2024
Temperature / Humidity	21 deg. C / 27 % RH
Engineer	Yuta Shiba
Mode	Tx 11ac-40 (MIMO)

Worst rate check (5190 MHz)

MCS	Chain 1					Chain 2					Total Result Power		Remark
	Reading (Average)	Cable Loss	Atten. Loss	Result		Reading (Average)	Cable Loss	Atten. Loss	Result				
	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	
0 (1SS)	-10.08	1.53	9.98	1.43	1.39	-9.86	1.60	9.98	1.72	1.49	4.59	2.88	-
1 (1SS)	-10.06	1.53	9.98	1.45	1.40	-9.90	1.60	9.98	1.68	1.47	4.58	2.87	-
2 (1SS)	-9.92	1.53	9.98	1.59	1.44	-9.69	1.60	9.98	1.89	1.55	4.75	2.99	*
3 (1SS)	-9.97	1.53	9.98	1.54	1.43	-9.84	1.60	9.98	1.74	1.49	4.65	2.92	-
4 (1SS)	-10.35	1.53	9.98	1.16	1.31	-10.12	1.60	9.98	1.46	1.40	4.32	2.71	-
5 (1SS)	-10.35	1.53	9.98	1.16	1.31	-10.07	1.60	9.98	1.51	1.42	4.35	2.72	-
6 (1SS)	-10.32	1.53	9.98	1.19	1.32	-10.15	1.60	9.98	1.43	1.39	4.32	2.71	-
7 (1SS)	-10.45	1.53	9.98	1.06	1.28	-10.14	1.60	9.98	1.44	1.39	4.26	2.67	-
8 (1SS)	-10.28	1.53	9.98	1.23	1.33	-10.09	1.60	9.98	1.49	1.41	4.37	2.74	-
9 (1SS)	-10.28	1.53	9.98	1.23	1.33	-9.99	1.60	9.98	1.59	1.44	4.42	2.77	-
0 (2SS)	-10.09	1.53	9.98	1.42	1.39	-9.93	1.60	9.98	1.65	1.46	4.55	2.85	-
1 (2SS)	-10.12	1.53	9.98	1.39	1.38	-9.84	1.60	9.98	1.74	1.49	4.58	2.87	-
2 (2SS)	-9.93	1.53	9.98	1.58	1.44	-9.76	1.60	9.98	1.82	1.52	4.71	2.96	-
3 (2SS)	-9.98	1.53	9.98	1.53	1.42	-9.78	1.60	9.98	1.80	1.51	4.68	2.94	-
4 (2SS)	-10.42	1.53	9.98	1.09	1.29	-10.09	1.60	9.98	1.49	1.41	4.30	2.69	-
5 (2SS)	-10.55	1.53	9.98	0.96	1.25	-10.09	1.60	9.98	1.49	1.41	4.24	2.66	-
6 (2SS)	-10.44	1.53	9.98	1.07	1.28	-10.15	1.60	9.98	1.43	1.39	4.26	2.67	-
7 (2SS)	-10.34	1.53	9.98	1.17	1.31	-9.85	1.60	9.98	1.73	1.49	4.47	2.80	-
8 (2SS)	-10.23	1.53	9.98	1.28	1.34	-9.83	1.60	9.98	1.75	1.50	4.53	2.84	-
9 (2SS)	-10.31	1.53	9.98	1.20	1.32	-9.84	1.60	9.98	1.74	1.49	4.49	2.81	-

*Worst Rate

Sample Calculation: (* SS: Spatial Stream)

Each port Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

Total Result = Chain 1 Result + Chain 2 Result

* This measurement was performed only on the on time using the gate function of power meter.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Wireless Shielded Room
Date	January 25, 2024
Temperature / Humidity	21 deg. C / 27 % RH
Engineer	Yuta Shiba
Mode	Tx 11ac-80 (MIMO)

Worst rate check (5210 MHz)

MCS	Chain 1					Chain 2					Total Result Power		Remark
	Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]	Result [mW]	Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result [dBm]	Result [mW]	[dBm]	[mW]	
0 (1SS)	-10.45	1.53	9.98	1.06	1.28	-10.06	1.60	9.98	1.52	1.42	4.31	2.70	-
1 (1SS)	-10.42	1.53	9.98	1.09	1.29	-10.02	1.60	9.98	1.56	1.43	4.34	2.72	-
2 (1SS)	-10.16	1.53	9.98	1.35	1.36	-9.81	1.60	9.98	1.77	1.50	4.58	2.87	*
3 (1SS)	-10.36	1.53	9.98	1.15	1.30	-9.82	1.60	9.98	1.76	1.50	4.48	2.80	-
4 (1SS)	-10.31	1.53	9.98	1.20	1.32	-9.99	1.60	9.98	1.59	1.44	4.41	2.76	-
5 (1SS)	-10.23	1.53	9.98	1.28	1.34	-9.92	1.60	9.98	1.66	1.47	4.48	2.81	-
6 (1SS)	-10.34	1.53	9.98	1.17	1.31	-9.87	1.60	9.98	1.71	1.48	4.46	2.79	-
7 (1SS)	-10.33	1.53	9.98	1.18	1.31	-9.82	1.60	9.98	1.76	1.50	4.49	2.81	-
8 (1SS)	-10.23	1.53	9.98	1.28	1.34	-9.81	1.60	9.98	1.77	1.50	4.54	2.85	-
9 (1SS)	-10.35	1.53	9.98	1.16	1.31	-9.87	1.60	9.98	1.71	1.48	4.45	2.79	-
0 (2SS)	-10.42	1.53	9.98	1.09	1.29	-10.01	1.60	9.98	1.57	1.44	4.35	2.72	-
1 (2SS)	-10.38	1.53	9.98	1.13	1.30	-9.99	1.60	9.98	1.59	1.44	4.38	2.74	-
2 (2SS)	-10.22	1.53	9.98	1.29	1.35	-9.79	1.60	9.98	1.79	1.51	4.56	2.86	-
3 (2SS)	-10.23	1.53	9.98	1.28	1.34	-9.78	1.60	9.98	1.80	1.51	4.56	2.86	-
4 (2SS)	-10.33	1.53	9.98	1.18	1.31	-9.82	1.60	9.98	1.76	1.50	4.49	2.81	-
5 (2SS)	-10.19	1.53	9.98	1.32	1.36	-9.94	1.60	9.98	1.64	1.46	4.49	2.81	-
6 (2SS)	-10.31	1.53	9.98	1.20	1.32	-9.92	1.60	9.98	1.66	1.47	4.45	2.78	-
7 (2SS)	-10.28	1.53	9.98	1.23	1.33	-9.90	1.60	9.98	1.68	1.47	4.47	2.80	-
8 (2SS)	-10.19	1.53	9.98	1.32	1.36	-9.79	1.60	9.98	1.79	1.51	4.57	2.87	-
9 (2SS)	-10.27	1.53	9.98	1.24	1.33	-9.89	1.60	9.98	1.69	1.48	4.48	2.81	-

*Worst Rate

Sample Calculation: (* SS: Spatial Stream)

Each port Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

Total Result = Chain 1 Result + Chain 2 Result

* This measurement was performed only on the on time using the gate function of power meter.

Maximum Power Spectral Density

Test place	Shonan EMC Lab. No.2 Measurement Room
Date	February 14, 2024
Temperature / Humidity	23 deg. C / 27 % RH
Engineer	Kenichi Adachi
Mode	Tx 11a (SISO)

Chain 2 (*1) Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD Frequency [MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	RBW Correction Factor [dB]	PSD (Conducted) Result [dBm/MHz]	PSD (Conducted) Limit [dBm/MHz]	PSD (Conducted) Margin [dB]	PSD (e.i.r.p.) Result [dBm/MHz]	PSD (e.i.r.p.) Limit [dBm/MHz]	PSD (e.i.r.p.) Margin [dB]
5180	5181.127	-12.13	1.60	9.98	0.00	2.29	0.00	***-0.55***	11.00	11.55	***1.74***	17.00	15.26
5220	5221.062	-12.52	1.61	9.98	0.00	2.29	0.00	-0.93	11.00	11.93	1.37	17.00	15.64
5240	5240.650	-12.15	1.57	9.98	0.00	2.29	0.00	-0.60	11.00	11.60	1.69	17.00	15.31
5260	5260.758	-12.92	1.58	9.98	0.00	2.29	0.00	-1.36	11.00	12.36	0.93	17.00	16.07
5300	5301.495	-12.79	1.58	9.98	0.00	2.29	0.00	***-1.23***	11.00	12.23	***1.06***	17.00	15.94
5320	5320.910	-12.99	1.62	9.98	0.00	2.29	0.00	-1.39	11.00	12.39	0.90	17.00	16.10
5500	5500.693	-13.17	1.70	9.98	0.00	2.29	0.00	***-1.49***	11.00	12.49	***0.80***	17.00	16.20
5580	5580.975	-13.89	1.70	9.98	0.00	2.29	0.00	-2.21	11.00	13.21	0.08	17.00	16.92
5700	5700.737	-13.42	1.59	9.98	0.00	2.29	0.00	-1.85	11.00	12.85	0.44	17.00	16.56
5720	5720.975	-13.39	1.60	9.98	0.00	2.29	0.00	-1.81	11.00	12.81	0.48	17.00	16.52
5745	5744.393	-16.11	1.58	9.99	0.00	2.29	0.27	-4.27	30.00	34.27	-1.98	36.00	37.98
5785	5786.148	-15.77	1.58	9.99	0.00	2.29	0.27	-3.94	30.00	33.94	-1.65	36.00	37.65
5825	5825.758	-15.76	1.57	9.99	0.00	2.29	0.27	***-3.93***	30.00	33.93	***-1.64***	36.00	37.64

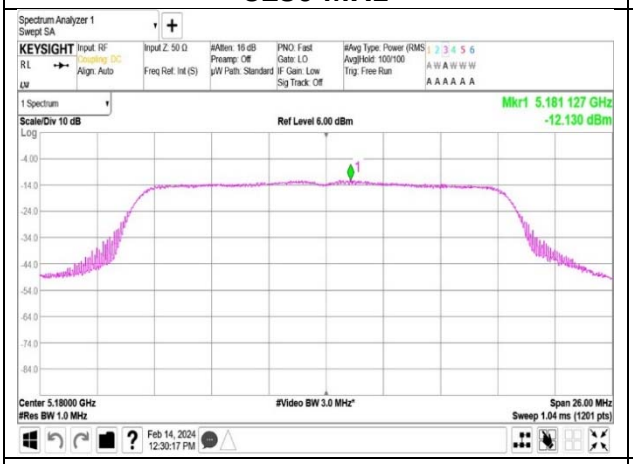
Sample Calculation:
PSD: Power Spectral Density (*1) Power density was measured with using the gate function of spectrum analyzer.
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = 10 * log (Specified bandwidth / Measured bandwidth)
PSD Result (Conducted) = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

Maximum Power Spectral Density

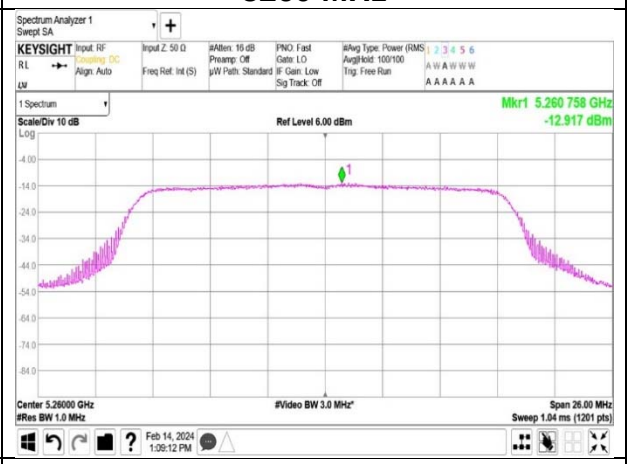
Test place	Shonan EMC Lab. No.2 Measurement Room
Date	February 14, 2024
Temperature / Humidity	23 deg. C / 27 % RH
Engineer	Kenichi Adachi
Mode	Tx 11a (SISO)

11a (SISO), Chain 2

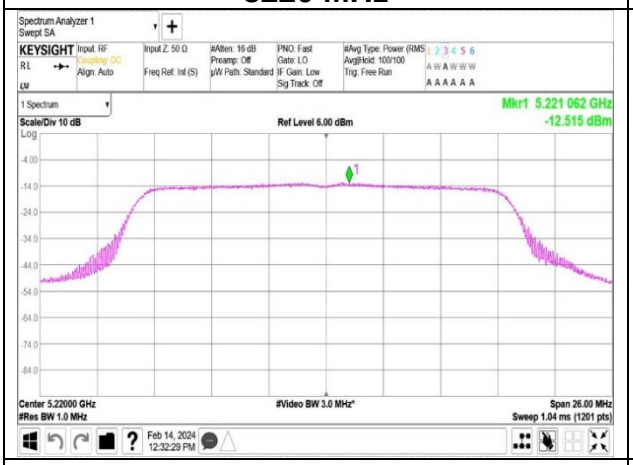
5180 MHz



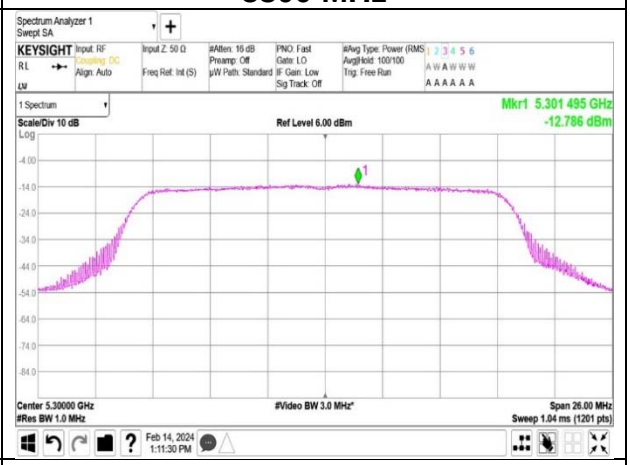
5260 MHz



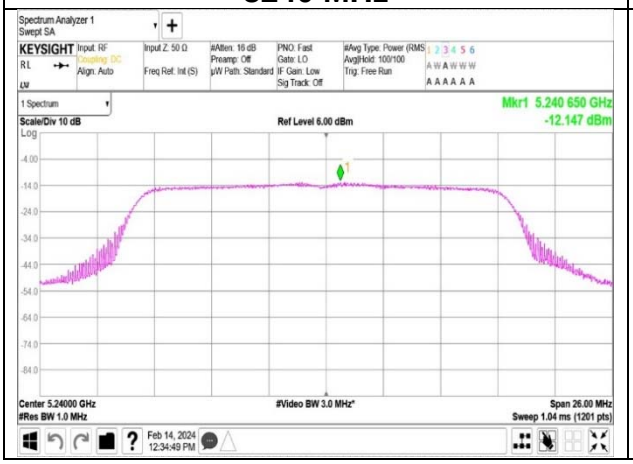
5220 MHz



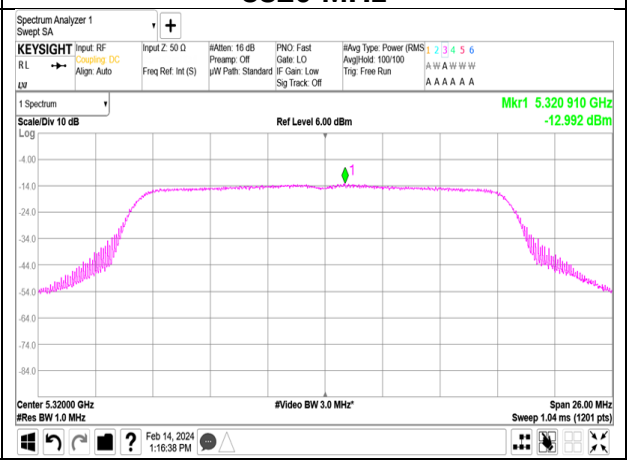
5300 MHz



5240 MHz



5320 MHz

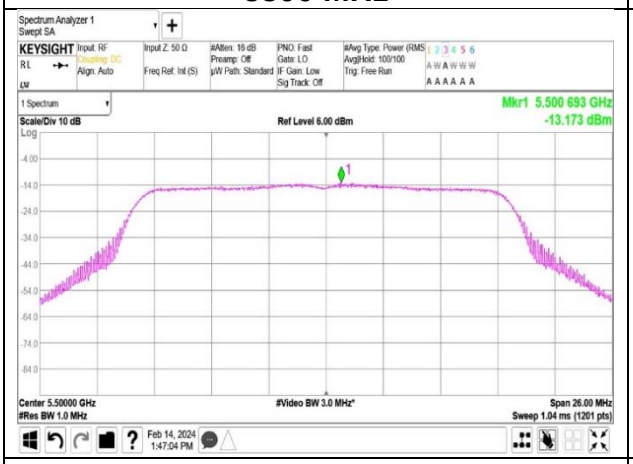


Maximum Power Spectral Density

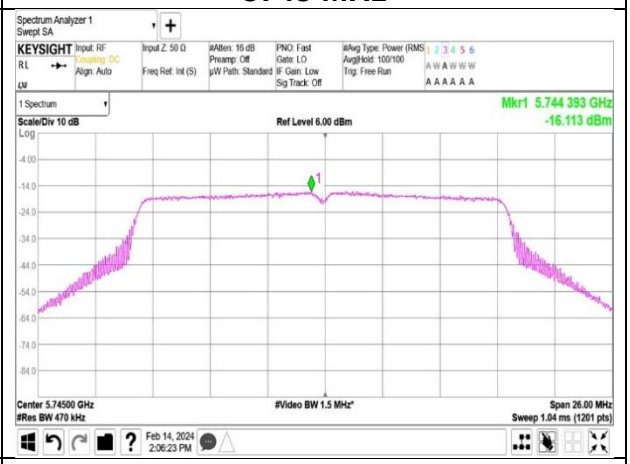
Test place	Shonan EMC Lab. No.2 Measurement Room
Date	February 14, 2024
Temperature / Humidity	23 deg. C / 27 % RH
Engineer	Kenichi Adachi
Mode	Tx 11a (SISO)

11a (SISO), Chain 2

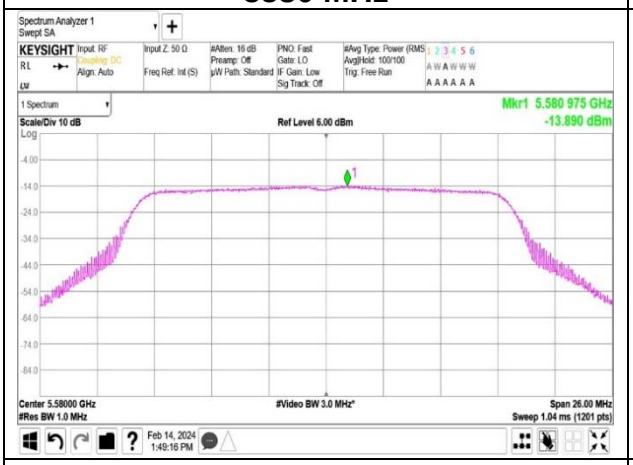
5500 MHz



5745 MHz

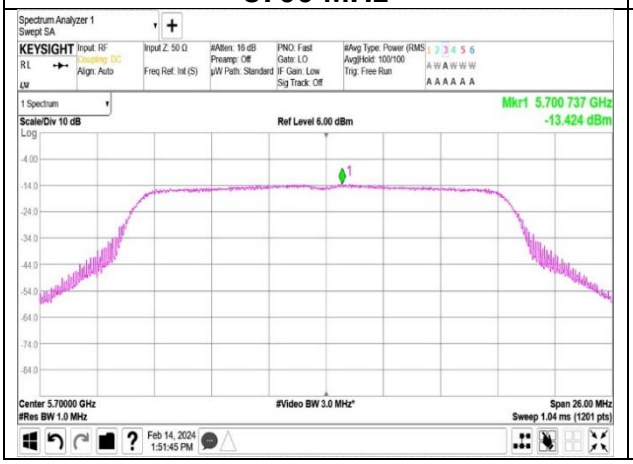


5580 MHz

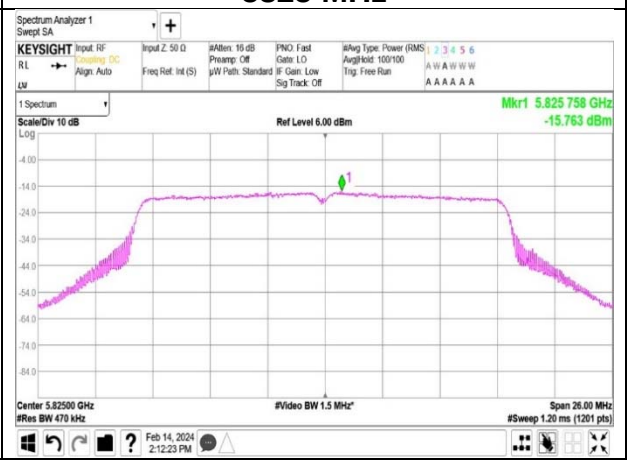


5785 MHz

5700 MHz



5825 MHz



Maximum Power Spectral Density

Test place	Shonan EMC Lab. No.2 Measurement Room
Date	February 14, 2024
Temperature / Humidity	23 deg. C / 27 % RH
Engineer	Kenichi Adachi
Mode	Tx 11n-20 (SISO)

Chain 2 (*1) Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD Frequency [MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	RBW Correction Factor [dB]	PSD (Conducted) Result [dBm/MHz]	PSD (Conducted) Limit [dBm/MHz]	PSD (Conducted) Margin [dB]	PSD (e.i.r.p.) Result [dBm/MHz]	PSD (e.i.r.p.) Limit [dBm/MHz]	PSD (e.i.r.p.) Margin [dB]
5180	5178.938	-12.64	1.60	9.98	0.00	2.29	0.00	***-1.06***	11.00	12.06	***1.23***	17.00	15.77
5220	5219.003	-12.89	1.61	9.98	0.00	2.29	0.00	-1.30	11.00	12.30	0.99	17.00	16.01
5240	5240.953	-13.35	1.57	9.98	0.00	2.29	0.00	-1.80	11.00	12.80	0.49	17.00	16.51
5260	5260.932	-13.49	1.58	9.98	0.00	2.29	0.00	***-1.93***	11.00	12.93	***0.36***	17.00	16.64
5300	5301.235	-13.81	1.58	9.98	0.00	2.29	0.00	-2.25	11.00	13.25	0.04	17.00	16.96
5320	5318.895	-13.75	1.62	9.98	0.00	2.29	0.00	-2.15	11.00	13.15	0.14	17.00	16.86
5500	5501.040	-13.79	1.70	9.98	0.00	2.29	0.00	***-2.11***	11.00	13.11	***0.18***	17.00	16.82
5580	5581.517	-14.20	1.70	9.98	0.00	2.29	0.00	-2.52	11.00	13.52	-0.23	17.00	17.23
5700	5701.105	-13.93	1.59	9.98	0.00	2.29	0.00	-2.36	11.00	13.36	-0.07	17.00	17.07
5720	5720.715	-13.96	1.60	9.98	0.00	2.29	0.00	-2.38	11.00	13.38	-0.09	17.00	17.09
5745	5746.885	-16.60	1.58	9.99	0.00	2.29	0.27	-4.76	30.00	34.76	-2.47	36.00	38.47
5785	5785.433	-16.32	1.58	9.99	0.00	2.29	0.27	-4.48	30.00	34.48	-2.19	36.00	38.19
5825	5825.520	-16.00	1.57	9.99	0.00	2.29	0.27	***-4.17***	30.00	34.17	***-1.88***	36.00	37.88

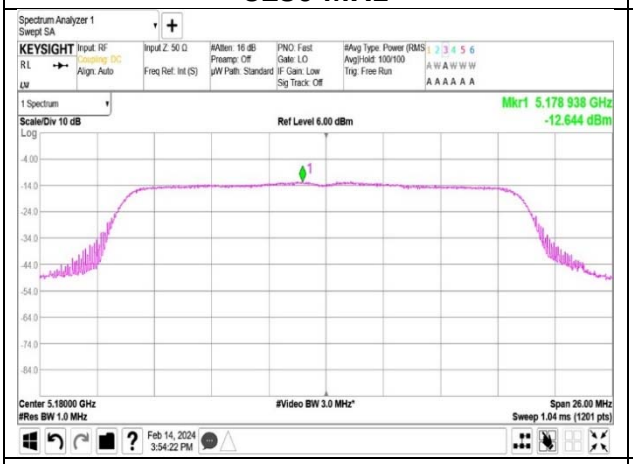
Sample Calculation:
PSD: Power Spectral Density (*1) Power density was measured with using the gate function of spectrum analyzer.
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = 10 * log (Specified bandwidth / Measured bandwidth)
PSD Result (Conducted) = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

Maximum Power Spectral Density

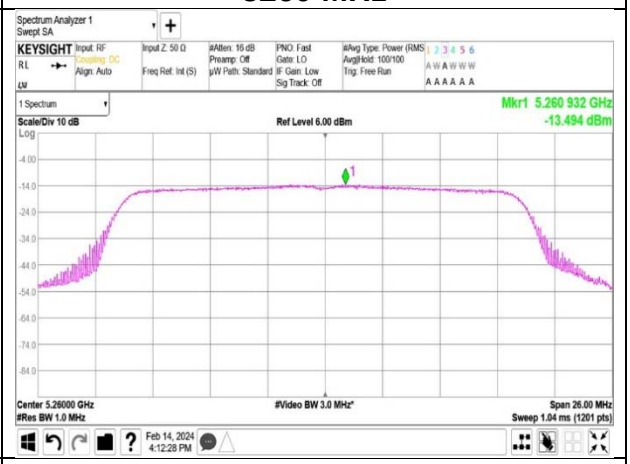
Test place	Shonan EMC Lab. No.2 Measurement Room
Date	February 14, 2024
Temperature / Humidity	23 deg. C / 27 % RH
Engineer	Kenichi Adachi
Mode	Tx 11n-20 (SISO)

11n-20 (SISO), Chain 2

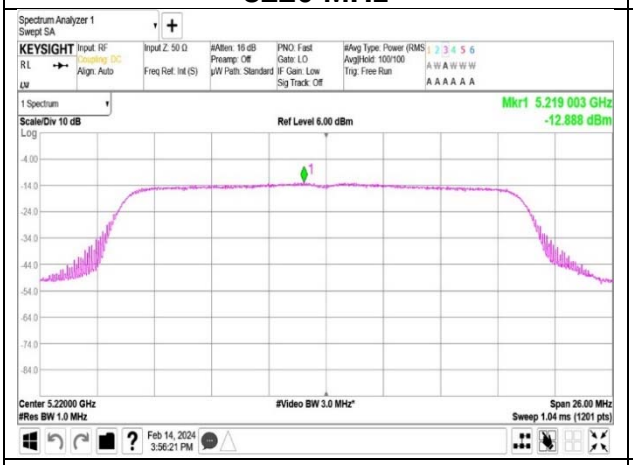
5180 MHz



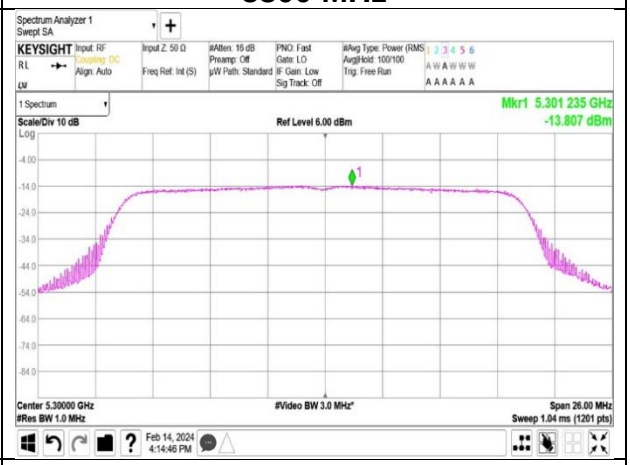
5260 MHz



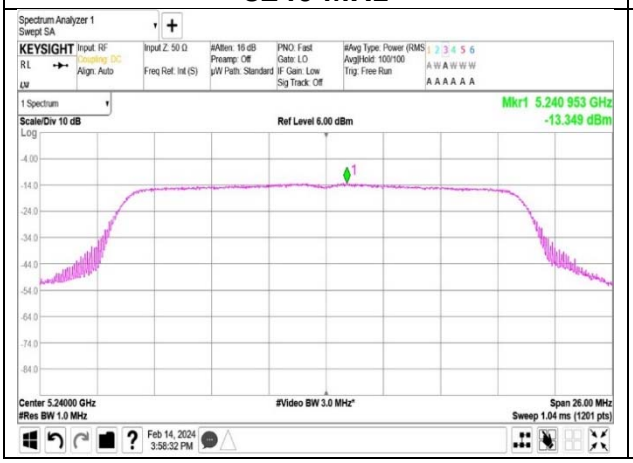
5220 MHz



5300 MHz



5240 MHz



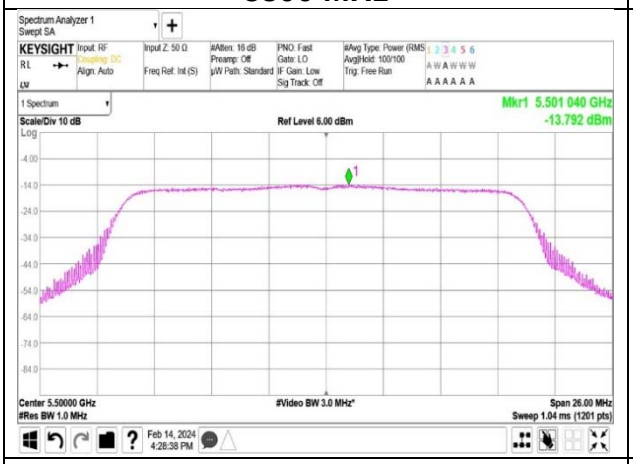
5320 MHz

Maximum Power Spectral Density

Test place	Shonan EMC Lab. No.2 Measurement Room
Date	February 14, 2024
Temperature / Humidity	23 deg. C / 27 % RH
Engineer	Kenichi Adachi
Mode	Tx 11n-20 (SISO)

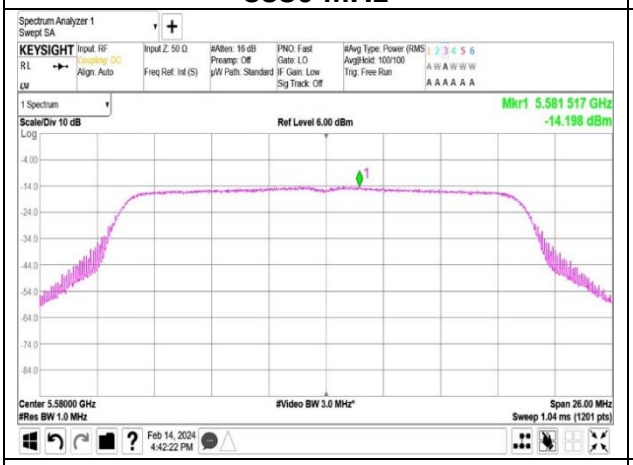
11n-20 (SISO), Chain 2

5500 MHz

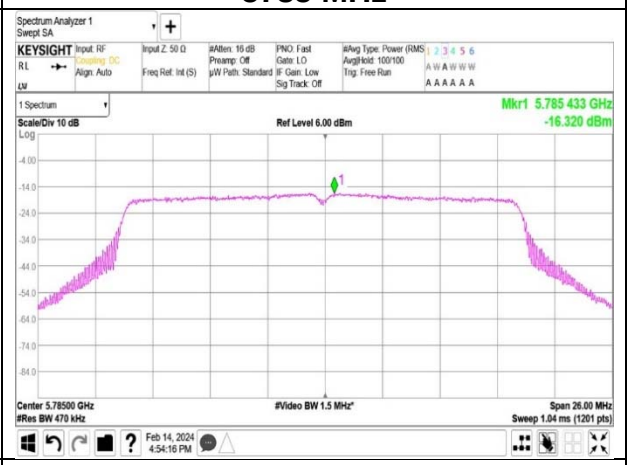


5745 MHz

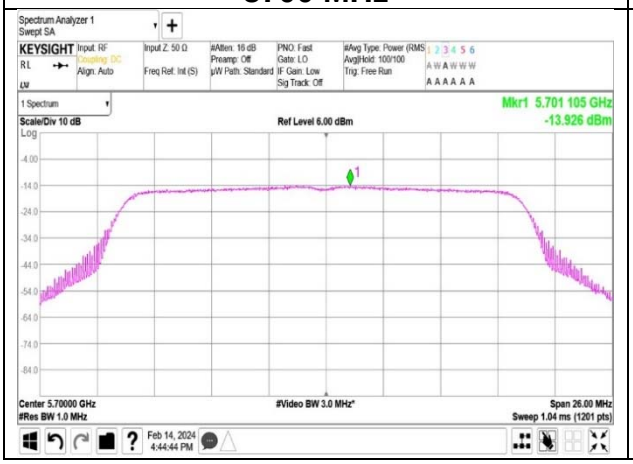
5580 MHz



5785 MHz



5700 MHz



5825 MHz

Maximum Power Spectral Density

Test place	Shonan EMC Lab. No.2 Measurement Room
Date	February 14, 2024
Temperature / Humidity	23 deg. C / 27 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ac-20 (SISO)

Chain 2 (*1) Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD Frequency [MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	RBW Correction Factor [dB]	PSD (Conducted) Result [dBm/MHz]	PSD (Conducted) Limit [dBm/MHz]	PSD (Conducted) Margin [dB]	PSD (e.i.r.p.) Result [dBm/MHz]	PSD (e.i.r.p.) Limit [dBm/MHz]	PSD (e.i.r.p.) Margin [dB]
5180	5178.960	-16.93	1.60	9.98	0.00	2.29	0.00	***-5.35***	11.00	16.35	***-3.06***	17.00	20.06
5220	5218.787	-17.46	1.61	9.98	0.00	2.29	0.00	-5.87	11.00	16.87	-3.58	17.00	20.58
5240	5241.018	-17.61	1.57	9.98	0.00	2.29	0.00	-6.06	11.00	17.06	-3.77	17.00	20.77
5260	5259.047	-17.87	1.58	9.98	0.00	2.29	0.00	-6.31	11.00	17.31	-4.02	17.00	21.02
5300	5298.570	-17.82	1.58	9.98	0.00	2.29	0.00	***-6.26***	11.00	17.26	***-3.97***	17.00	20.97
5320	5318.397	-18.23	1.62	9.98	0.00	2.29	0.00	-6.63	11.00	17.63	-4.34	17.00	21.34
5500	5501.647	-18.21	1.70	9.98	0.00	2.29	0.00	***-6.53***	11.00	17.53	***-4.24***	17.00	21.24
5580	5580.585	-18.68	1.70	9.98	0.00	2.29	0.00	-7.00	11.00	18.00	-4.71	17.00	21.71
5700	5698.483	-18.47	1.59	9.98	0.00	2.29	0.00	-6.90	11.00	17.90	-4.61	17.00	21.61
5720	5720.802	-18.49	1.60	9.98	0.00	2.29	0.00	-6.91	11.00	17.91	-4.62	17.00	21.62
5745	5744.263	-21.08	1.58	9.99	0.00	2.29	0.27	-9.24	30.00	39.24	-6.95	36.00	42.95
5785	5784.350	-20.38	1.58	9.99	0.00	2.29	0.27	***-8.54***	30.00	38.54	***-6.25***	36.00	42.25
5825	5824.372	-20.58	1.57	9.99	0.00	2.29	0.27	-8.75	30.00	38.75	-6.46	36.00	42.46

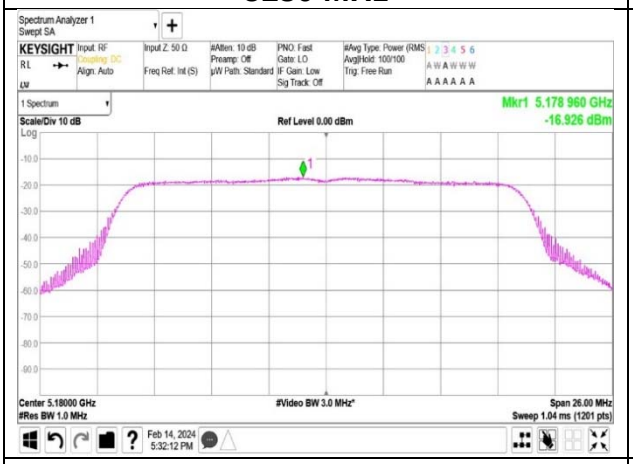
Sample Calculation:
PSD: Power Spectral Density (*1) Power density was measured with using the gate function of spectrum analyzer.
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = 10 * log (Specified bandwidth / Measured bandwidth)
PSD Result (Conducted) = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

Maximum Power Spectral Density

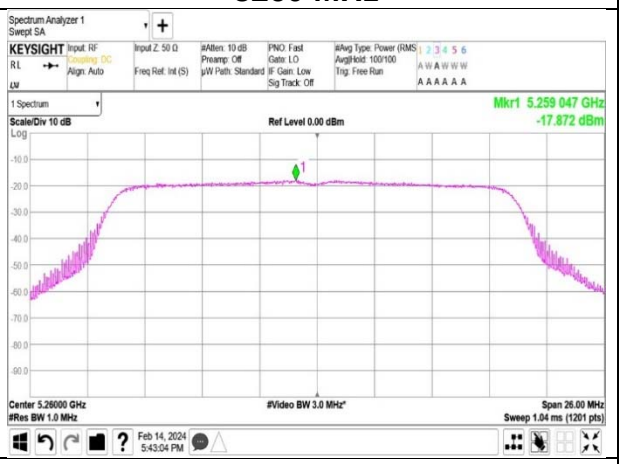
Test place	Shonan EMC Lab. No.2 Measurement Room
Date	February 14, 2024
Temperature / Humidity	23 deg. C / 27 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ac-20 (SISO)

11ac-20 (SISO), Chain 2

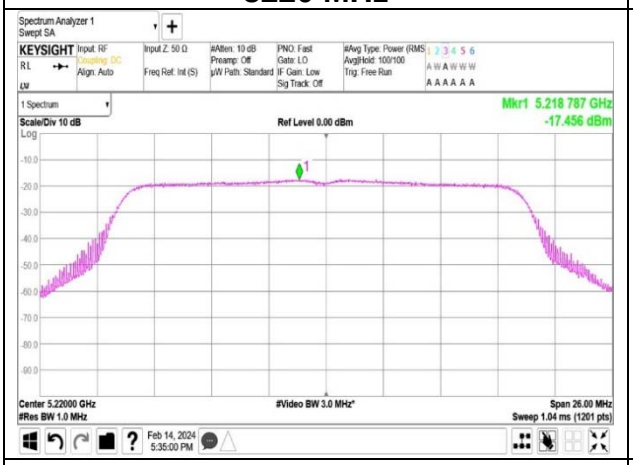
5180 MHz



5260 MHz

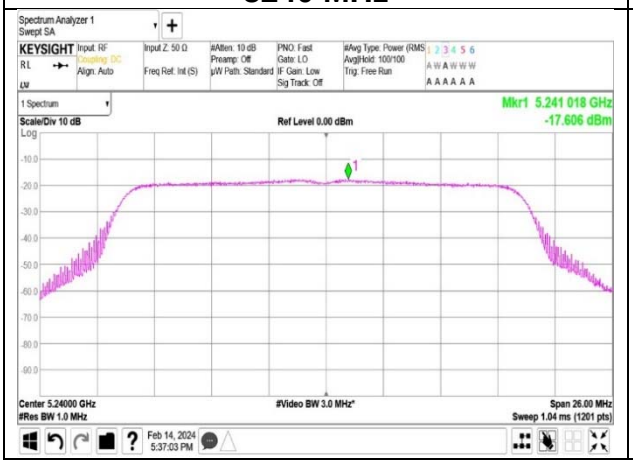


5220 MHz

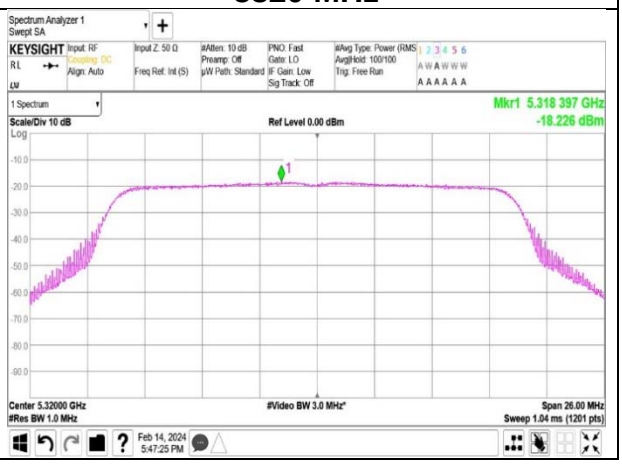


5300 MHz

5240 MHz



5320 MHz

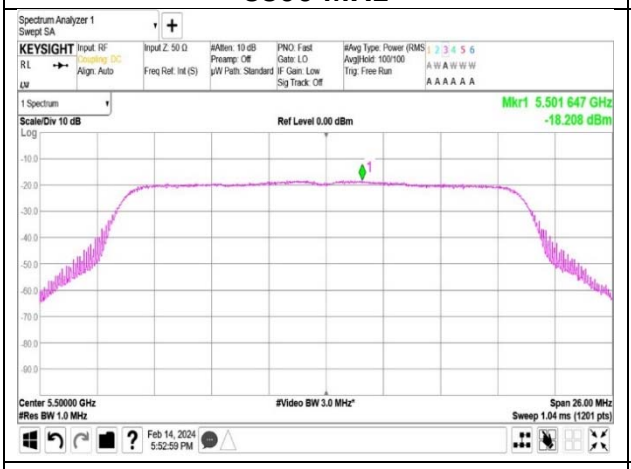


Maximum Power Spectral Density

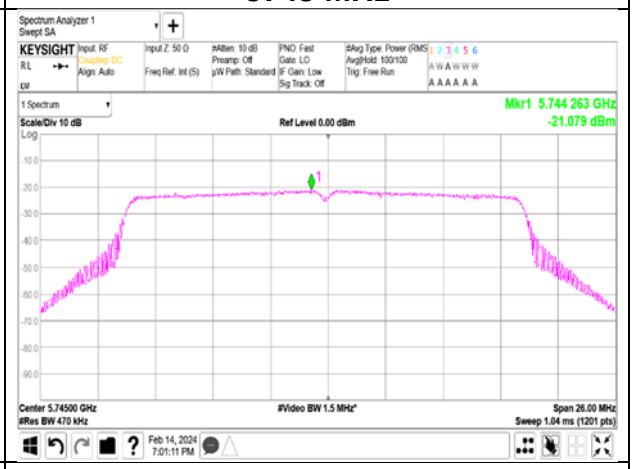
Test place	Shonan EMC Lab. No.2 Measurement Room
Date	February 14, 2024
Temperature / Humidity	23 deg. C / 27 % RH
Engineer	Kenichi Adachi
Mode	Tx 11ac-20 (SISO)

11ac-20 (SISO), Chain 2

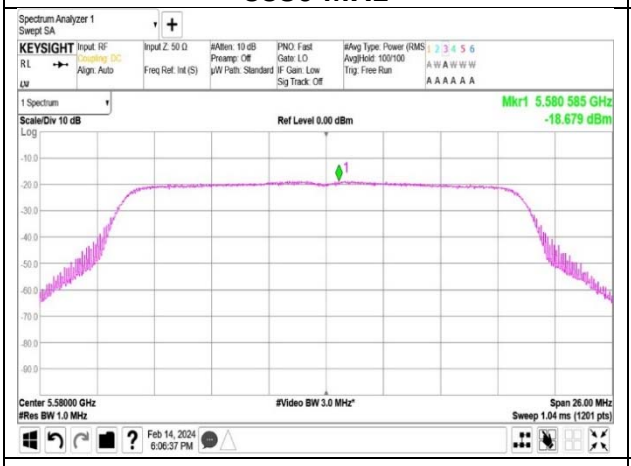
5500 MHz



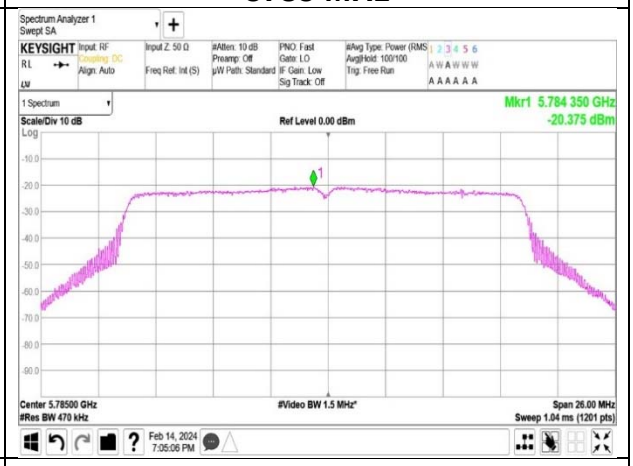
5745 MHz

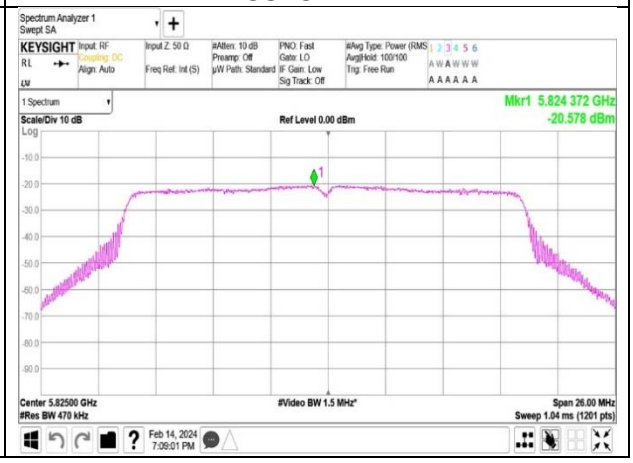


5580 MHz



5785 MHz



5700 MHz

5825 MHz