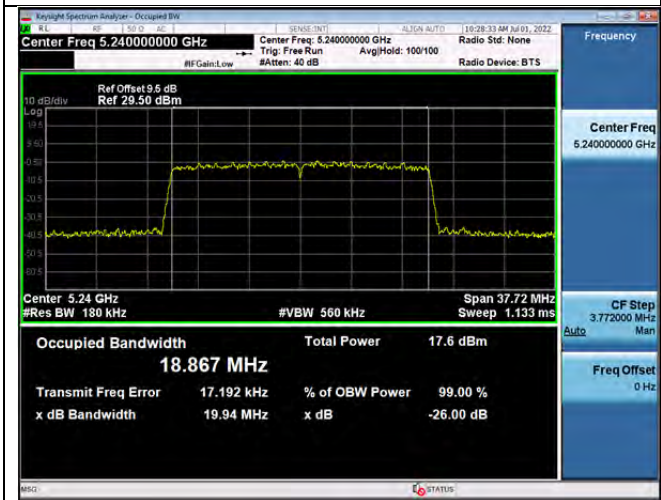


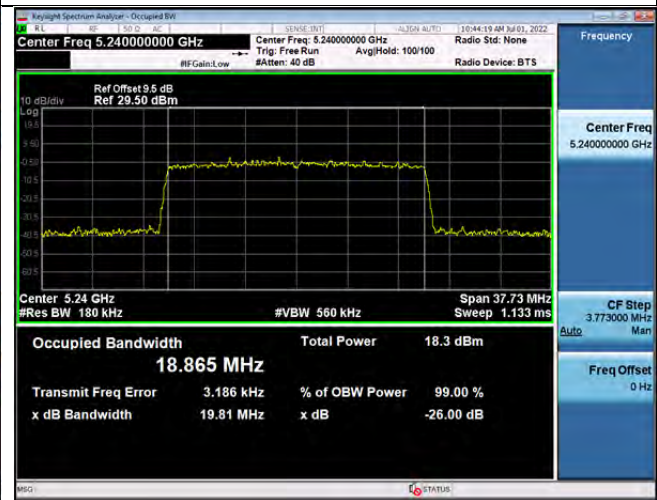
CH40-5200MHz



CH40-5200MHz

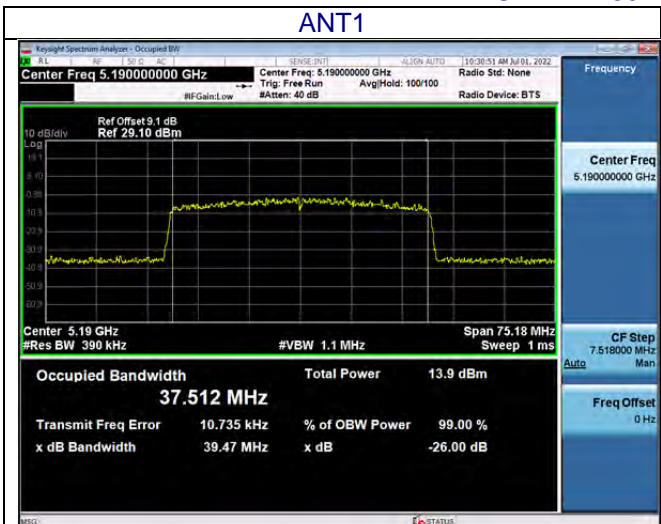


CH48-5240MHz

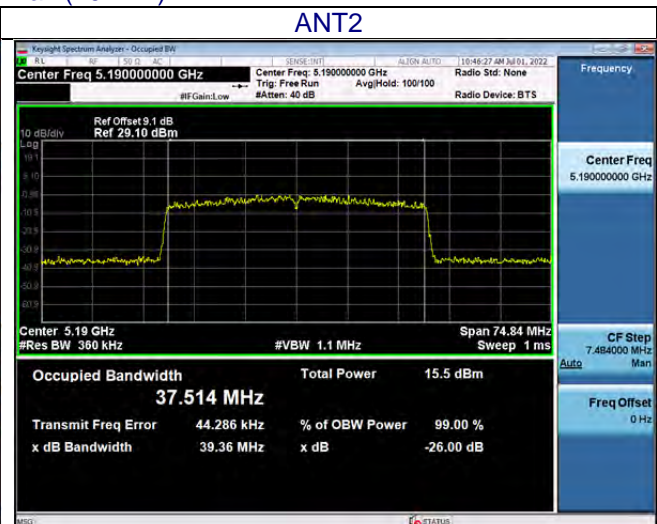


CH48-5240MHz

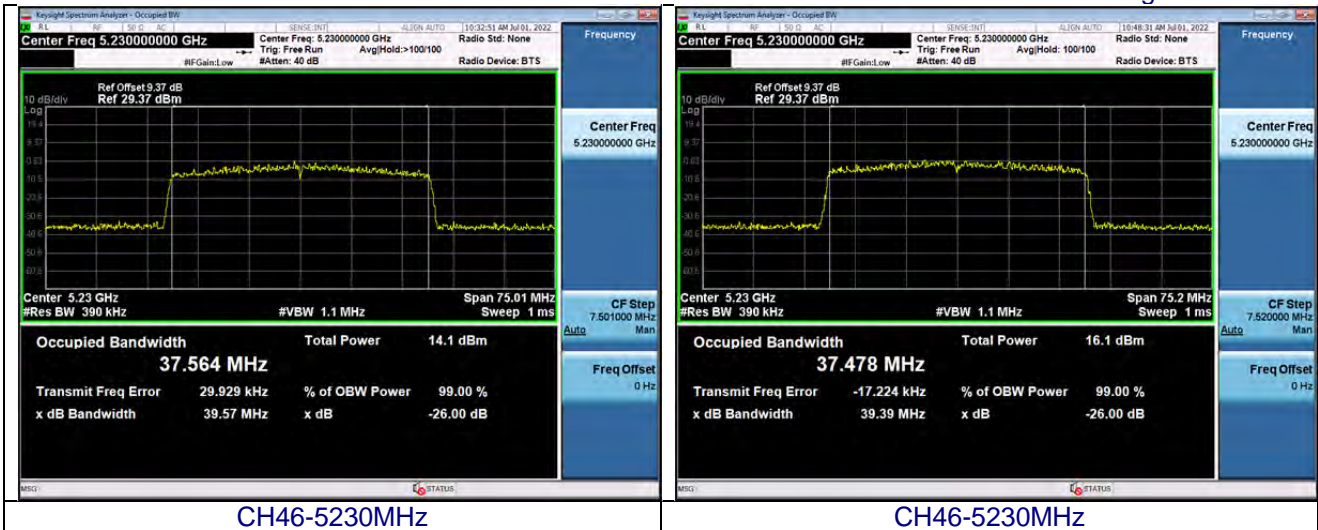
U-NII-1 – 802.11ax (40MHz)



CH38-5190MHz



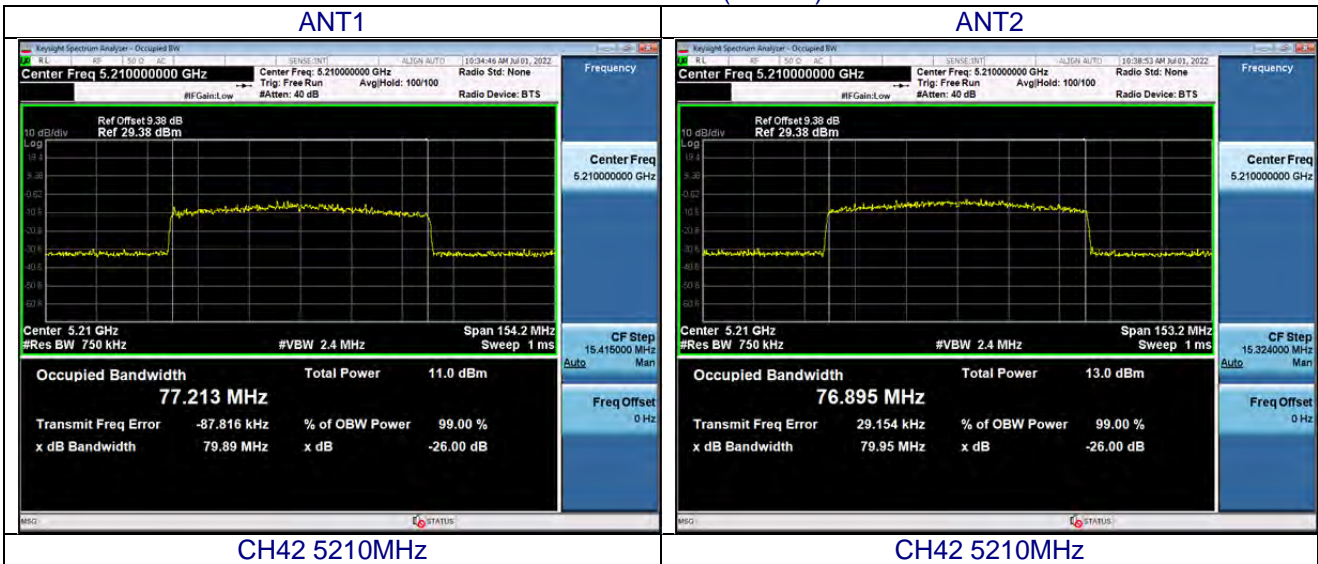
CH38-5190MHz



CH46-5230MHz

CH46-5230MHz

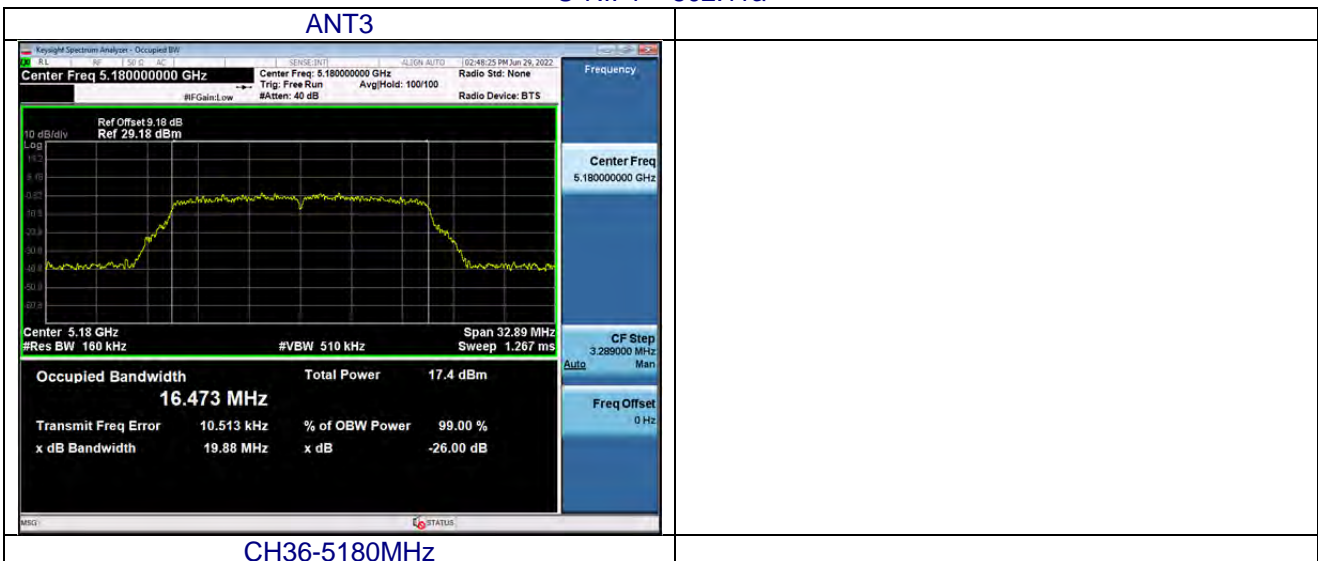
U-NII-1 -802.11ax (80MHz)



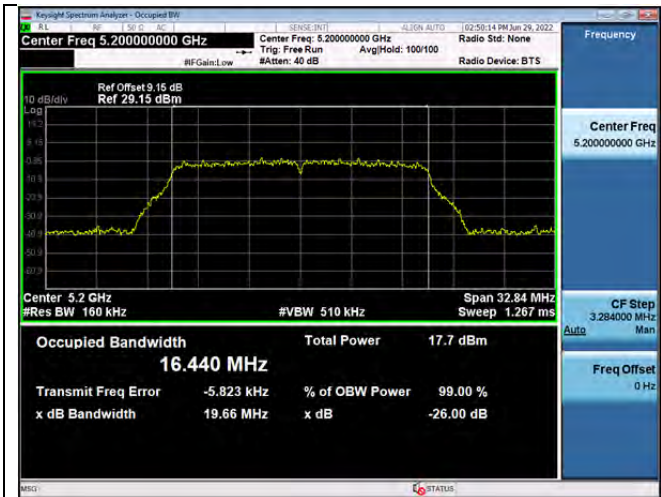
CH42 5210MHz

CH42 5210MHz

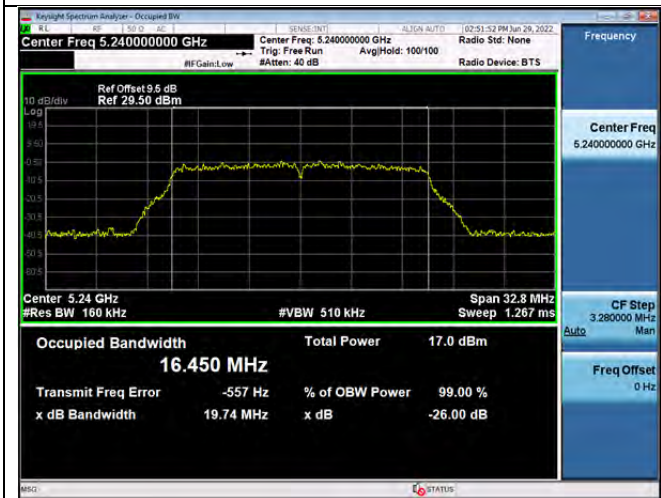
U-NII-1 - 802.11a



CH36-5180MHz



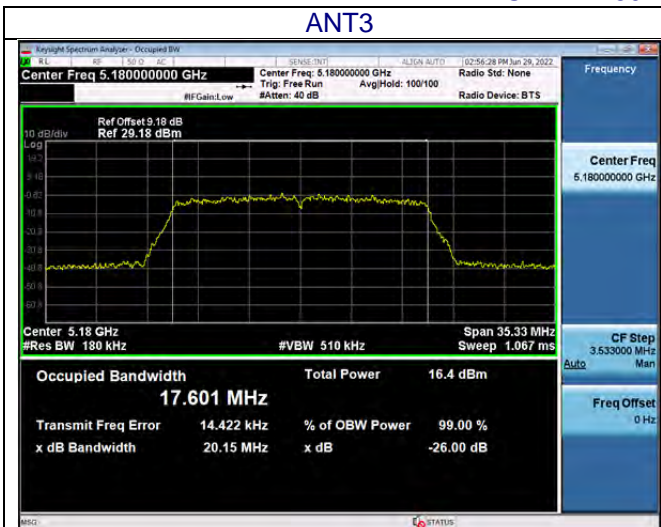
CH40-5200MHz



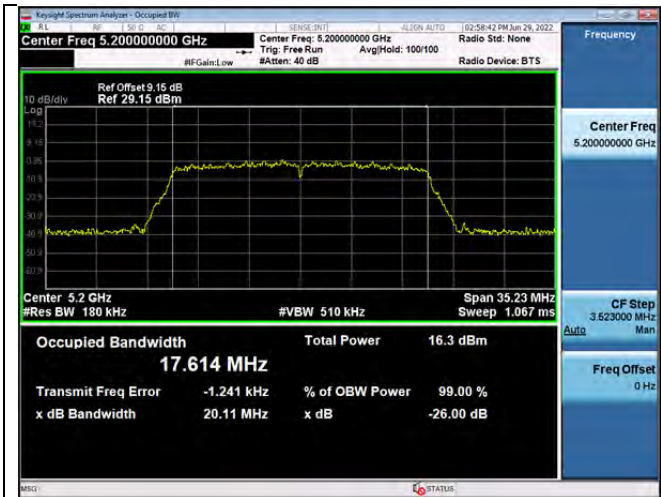
CH48-5240MHz

U-NII-1- 802.11n (20MHz)

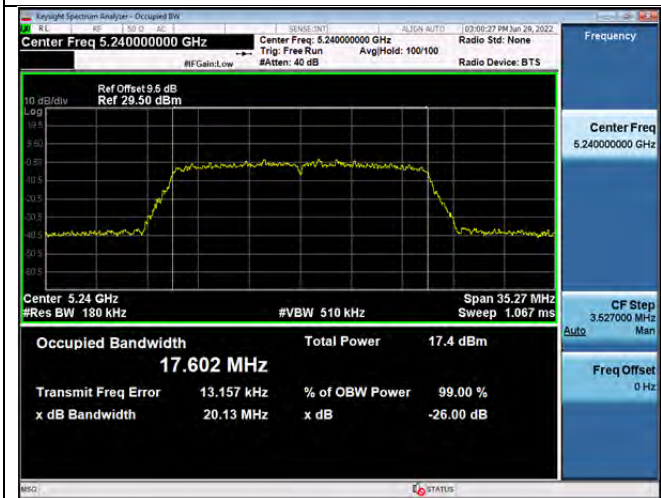
ANT3



CH36-5180MHz



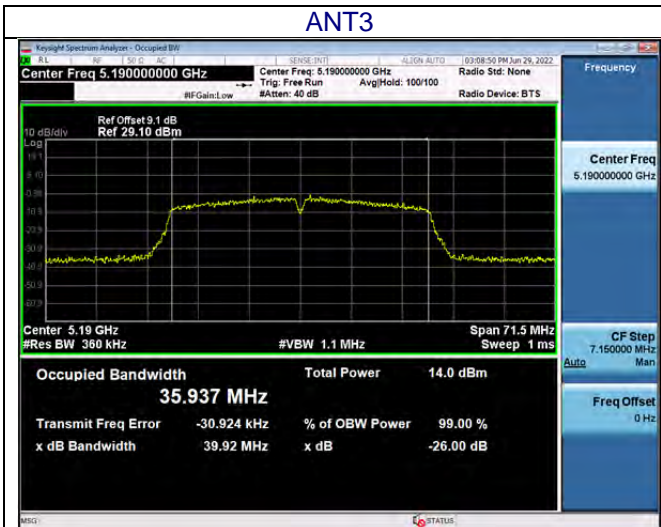
CH40-5200MHz



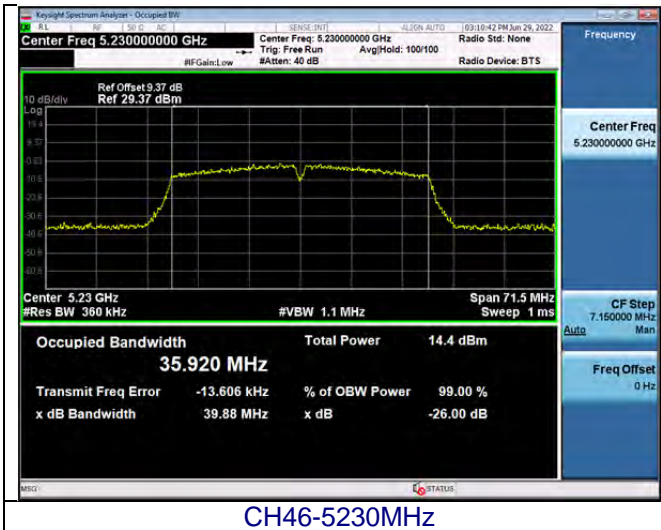
CH48-5240MHz

U-NII-1 – 802.11n (40MHz)

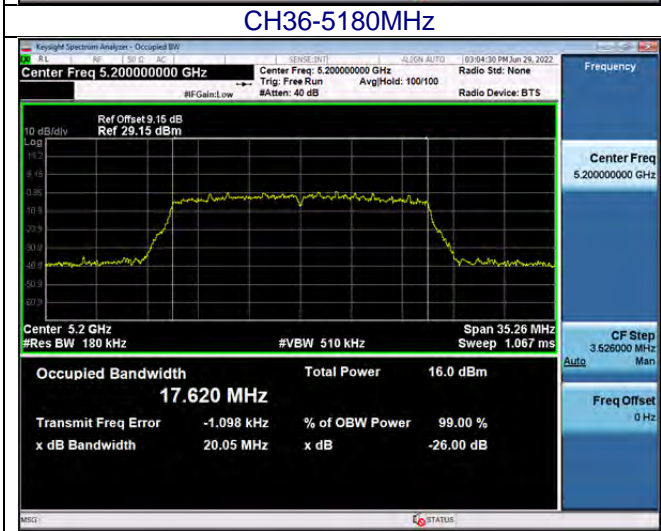
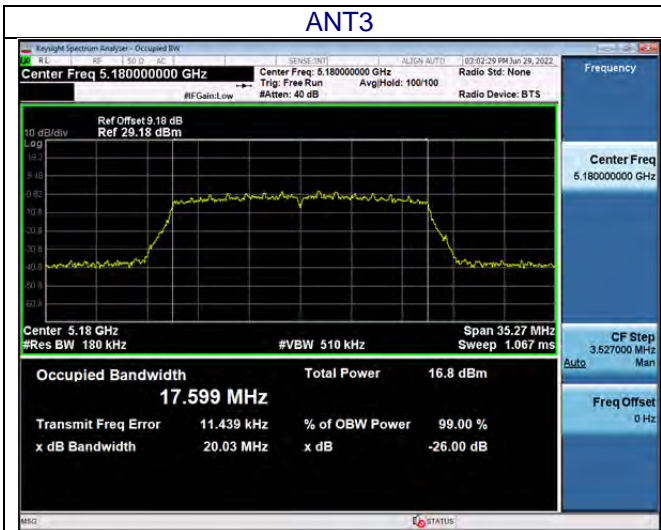
ANT3

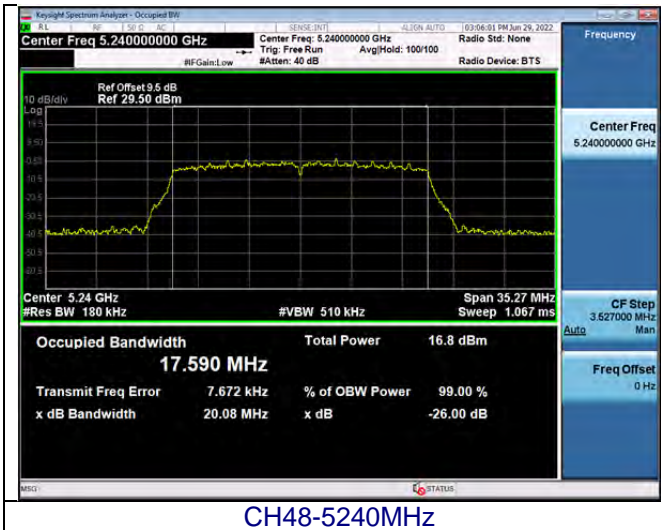


CH38-5190MHz

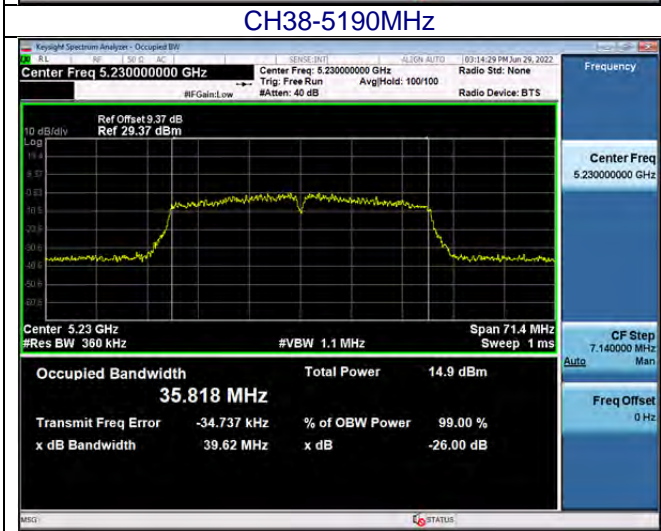
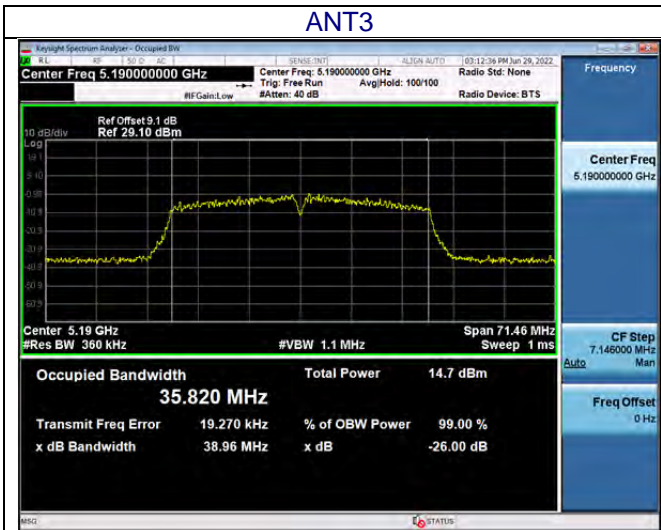


U-NII-1 – 802.11ac 20MHz)



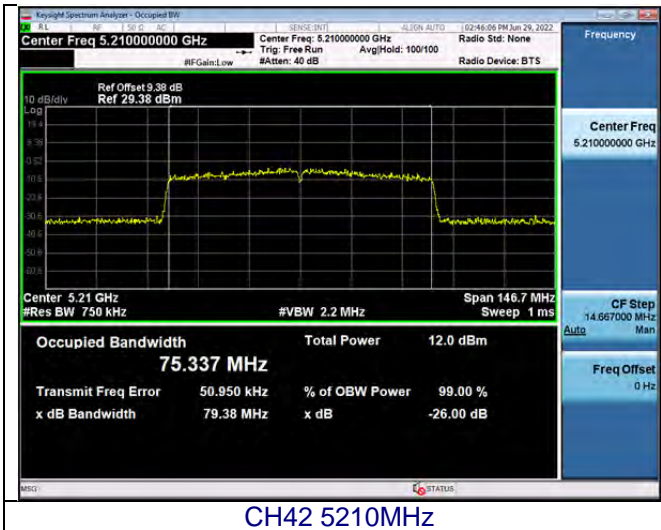


U-NII-1 – 802.11ac (40MHz)

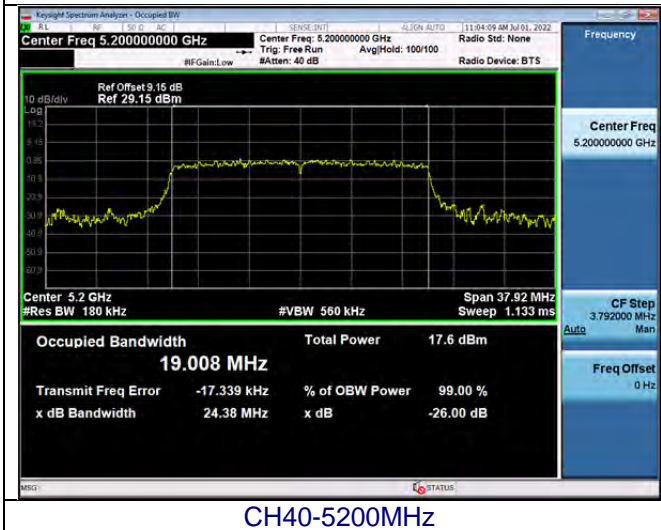
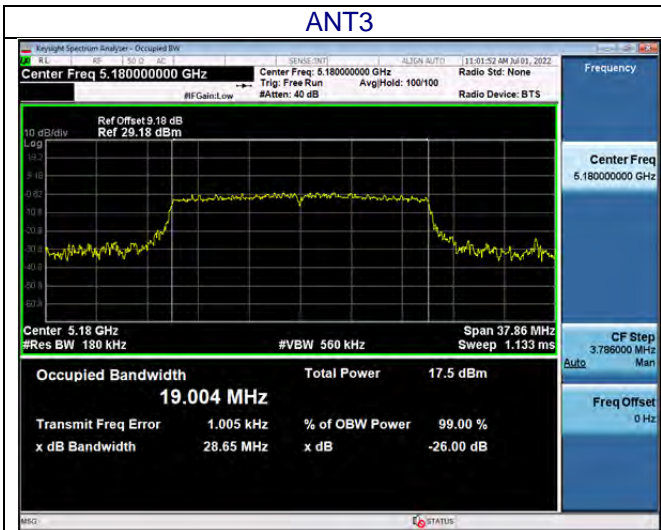


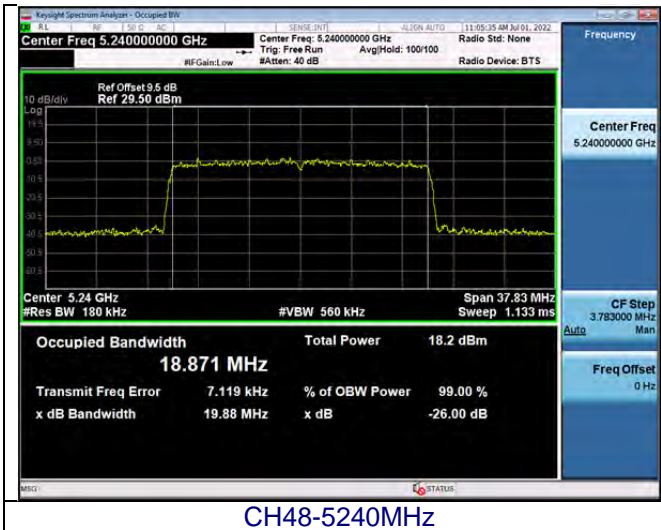
U-NII-1 – 802.11ac (80MHz)

ANT3



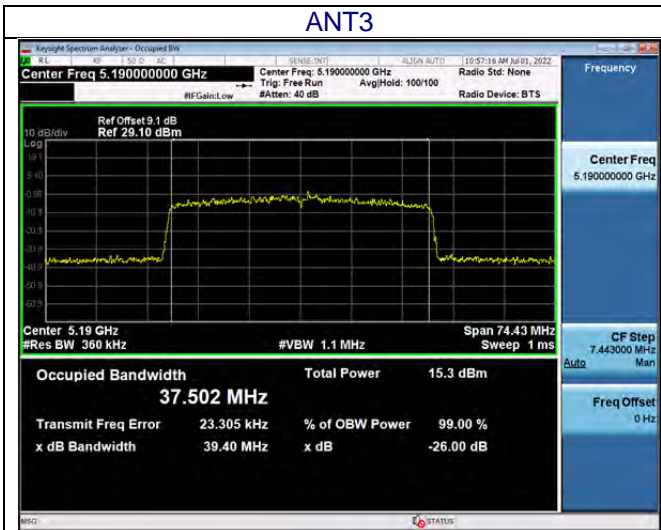
U-NII-1 – 802.11ax20MHz)



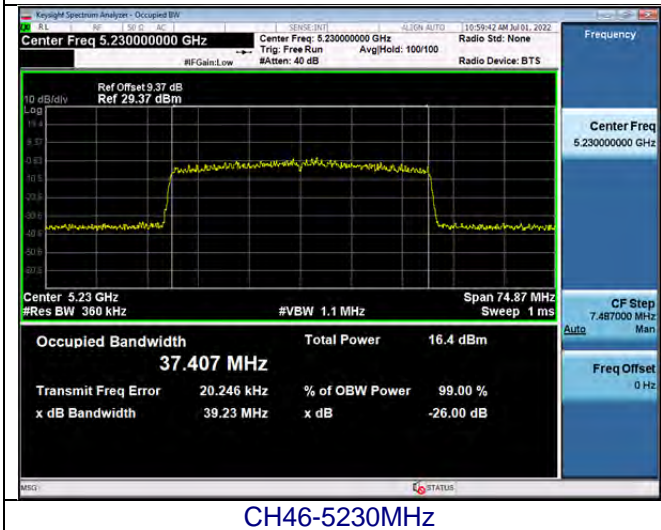


U-NII-1 – 802.11ax (40MHz)

ANT3

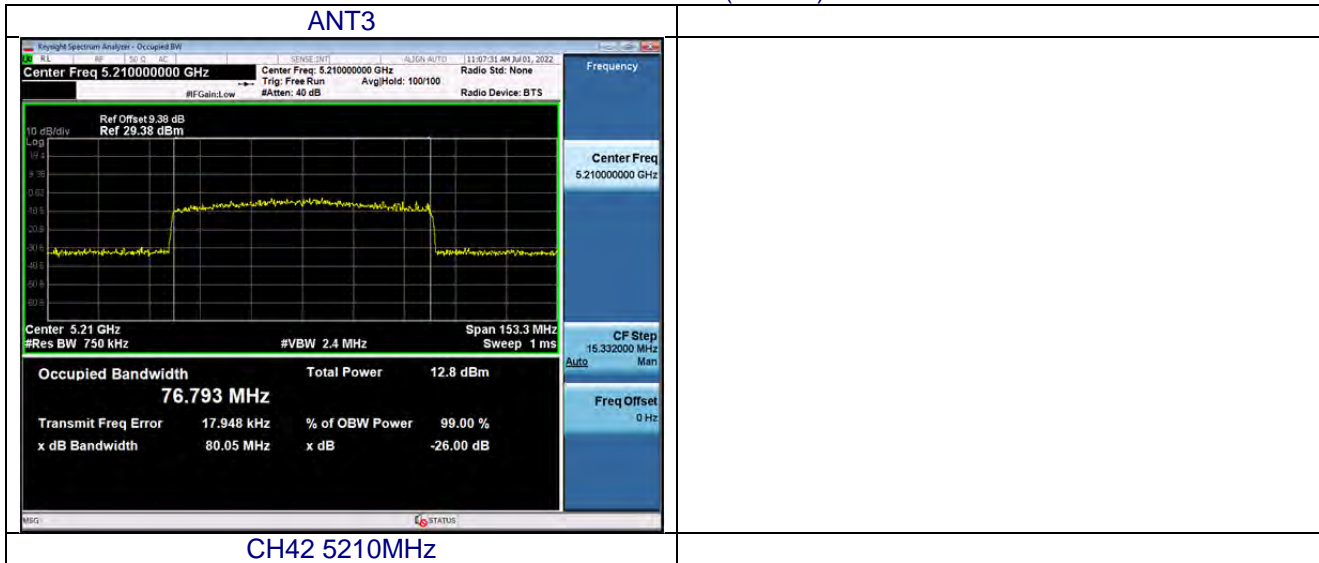


CH38-5190MHz

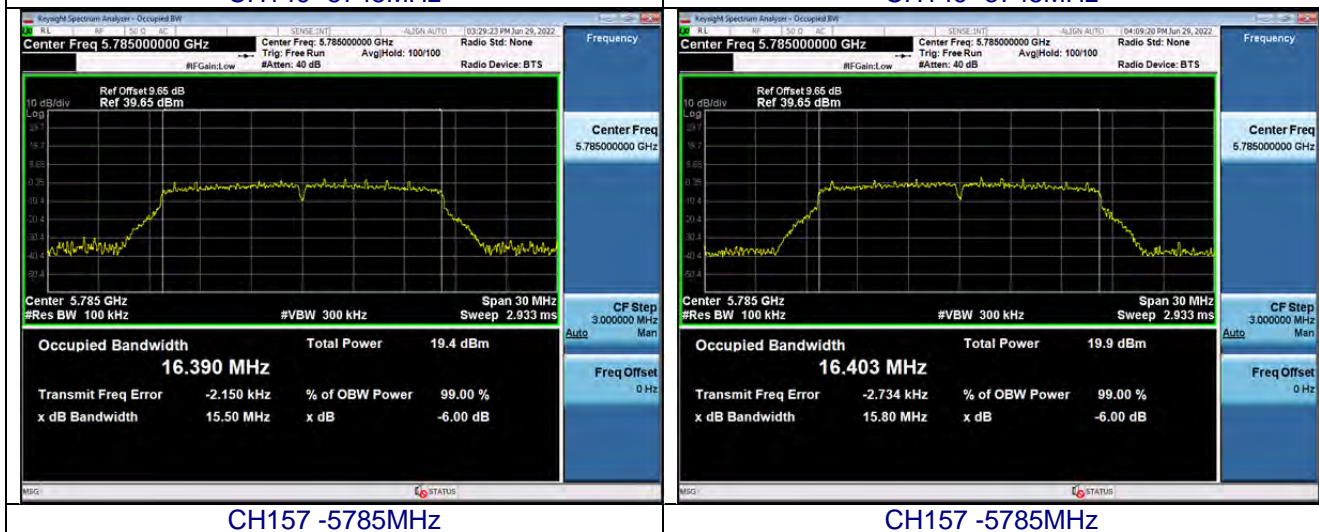
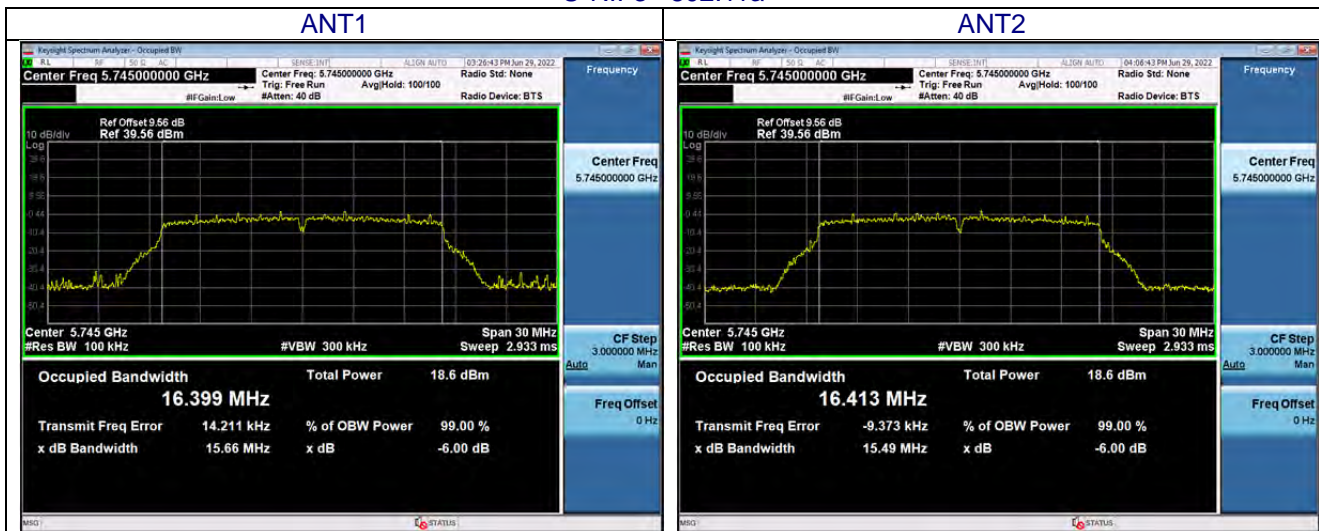


CH46-5230MHz

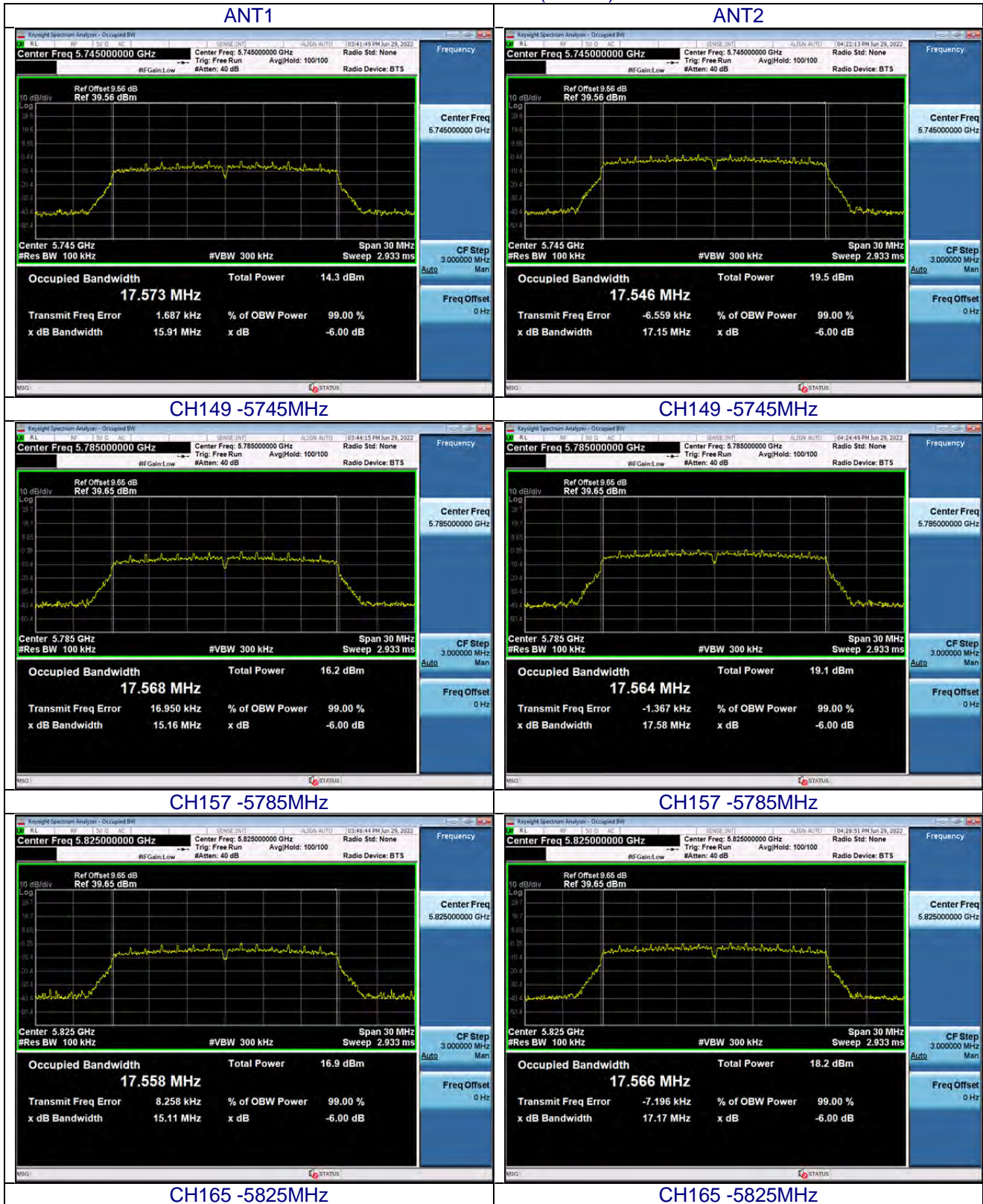
U-NII-1 -802.11ax (80MHz)



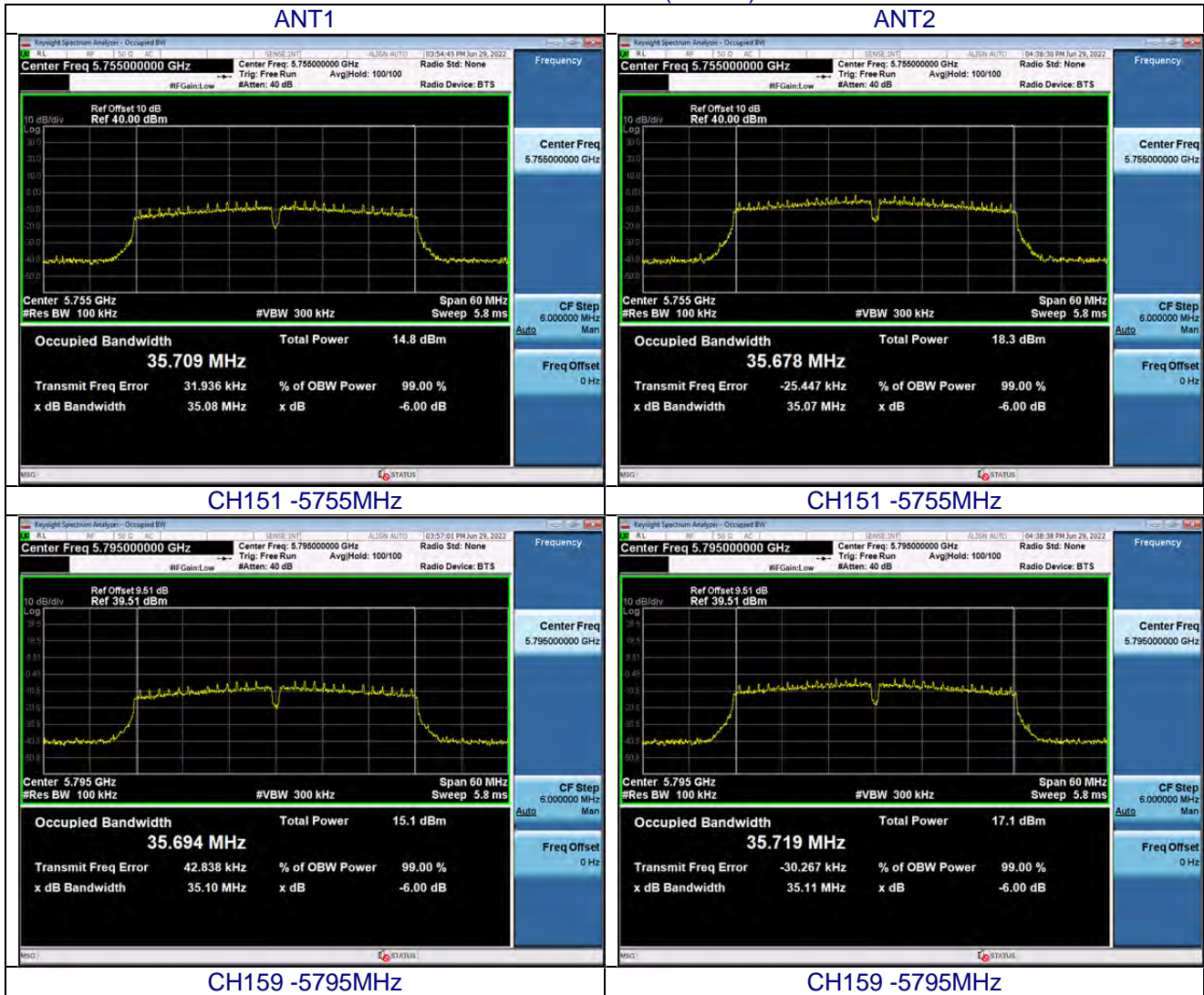
U-NII-3 -802.11a



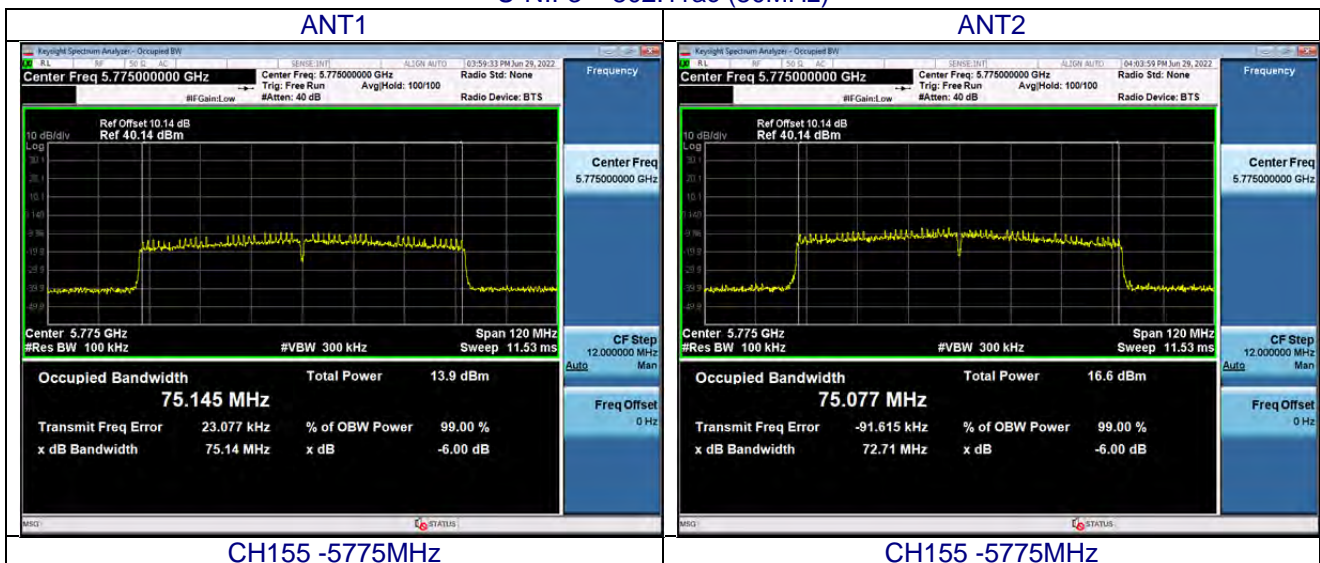
U-NII-3 -802.11ac (20MHz)



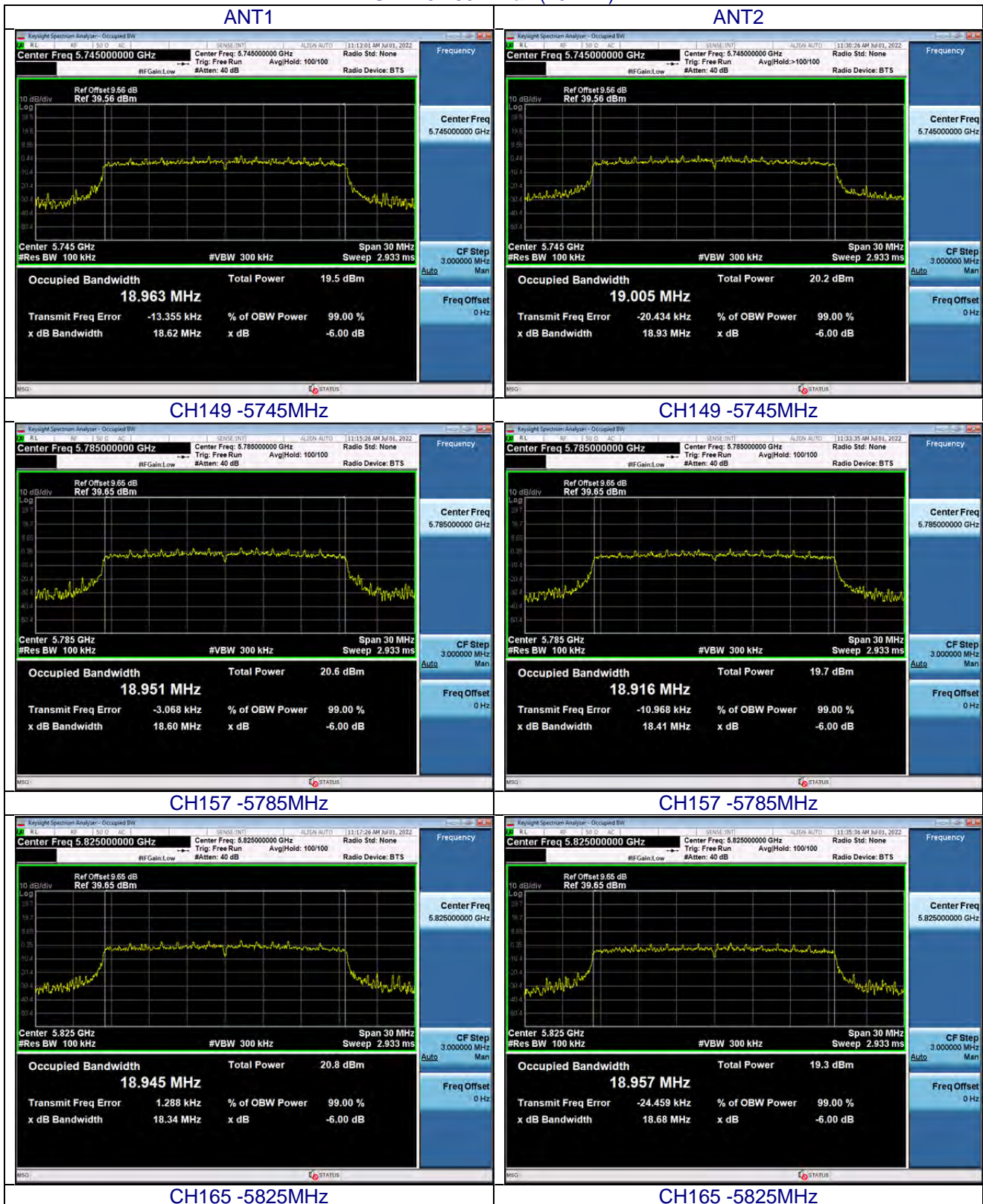
U-NII-3 – 802.11ac (40MHz)



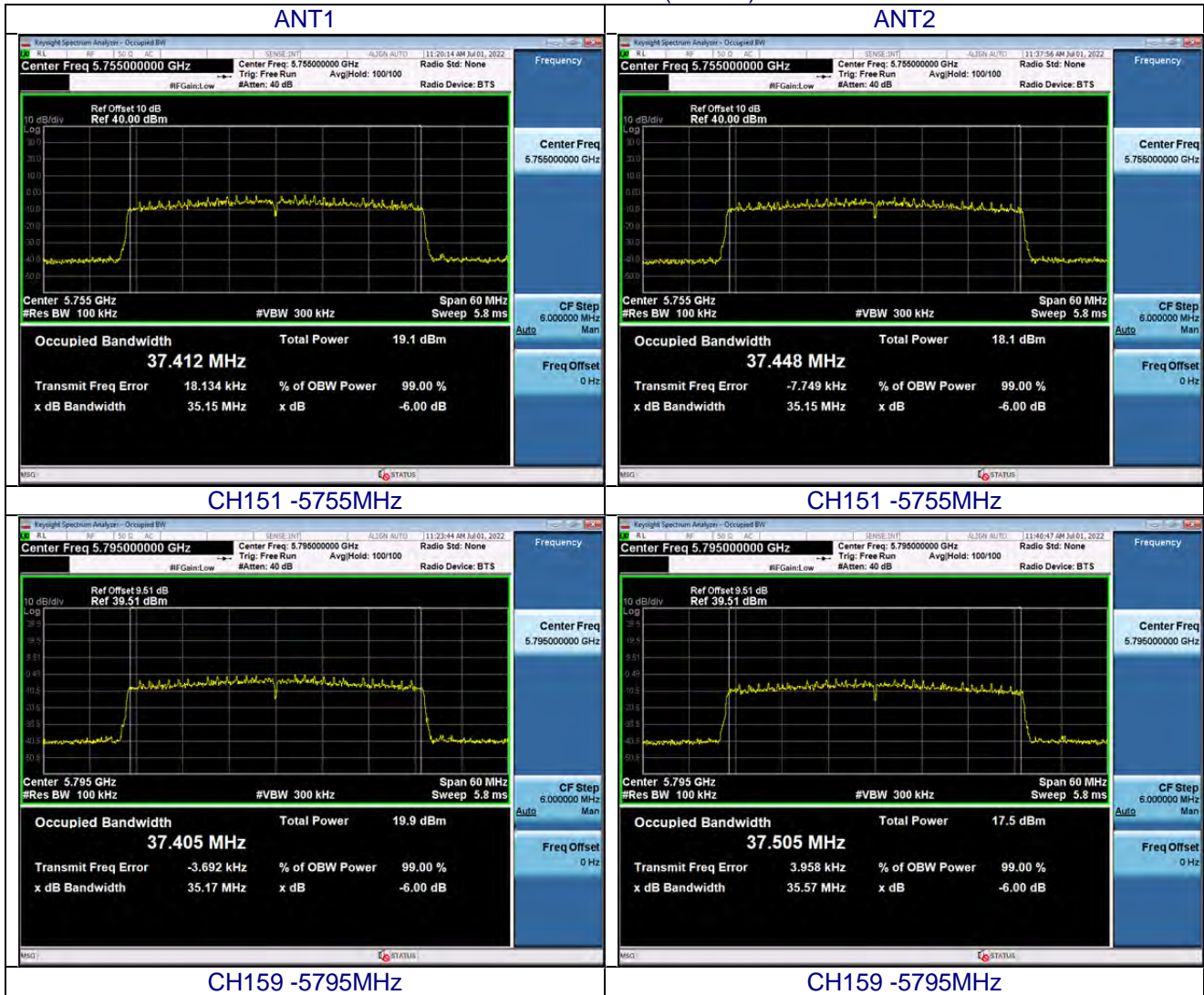
U-NII-3 – 802.11ac (80MHz)



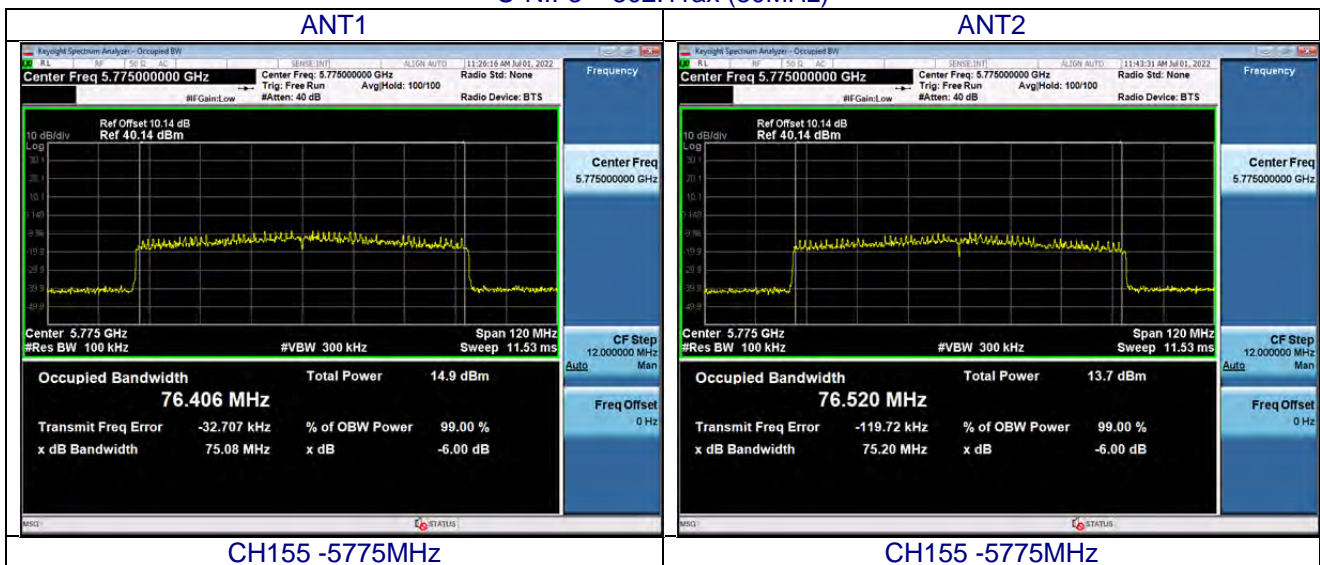
U-NII-3 -802.11ax (20MHz)



U-NII-3 – 802.11ax (40MHz)

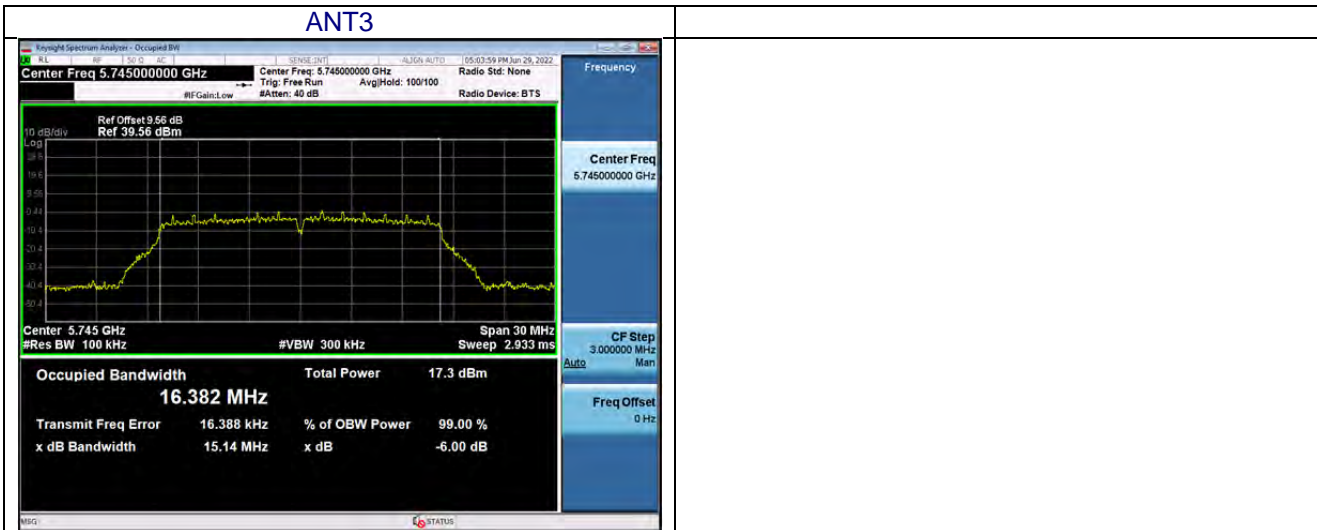


U-NII-3 – 802.11ax (80MHz)

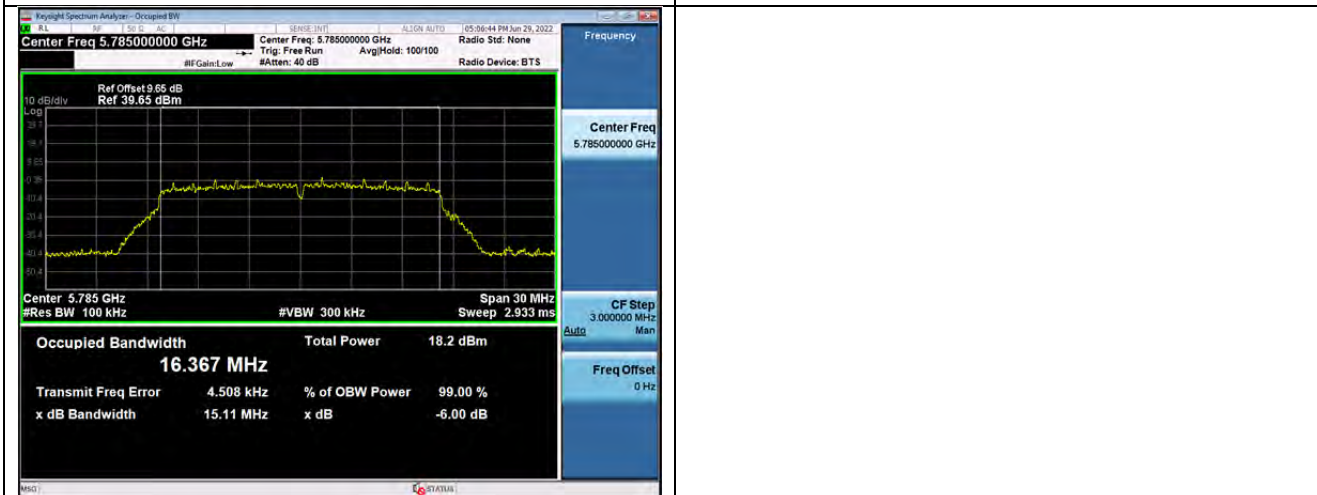


U-NII-3 -802.11a

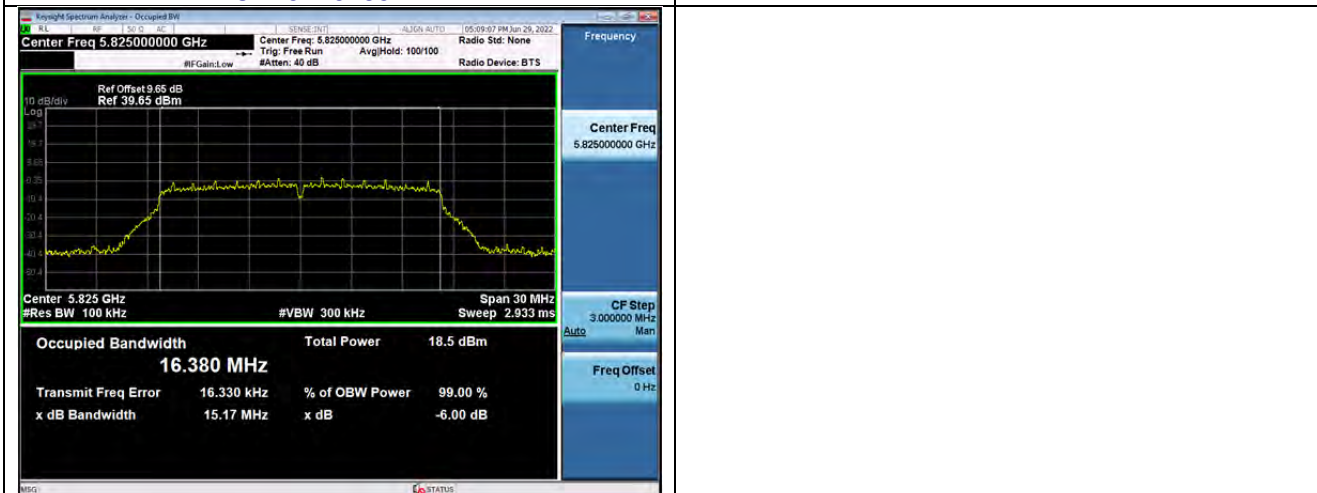
ANT3



CH149 -5745MHz



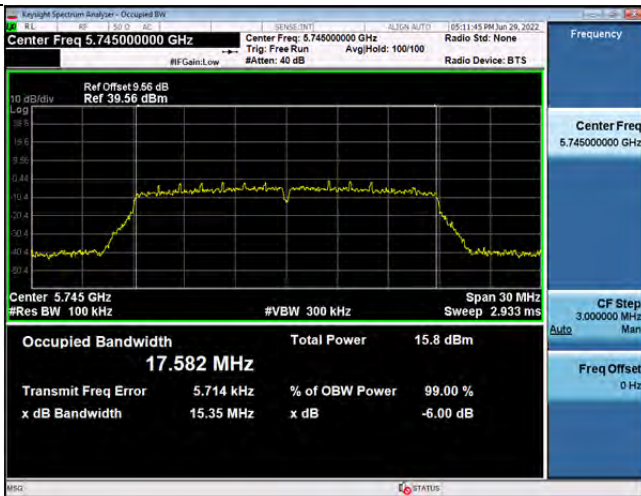
CH157 -5785MHz



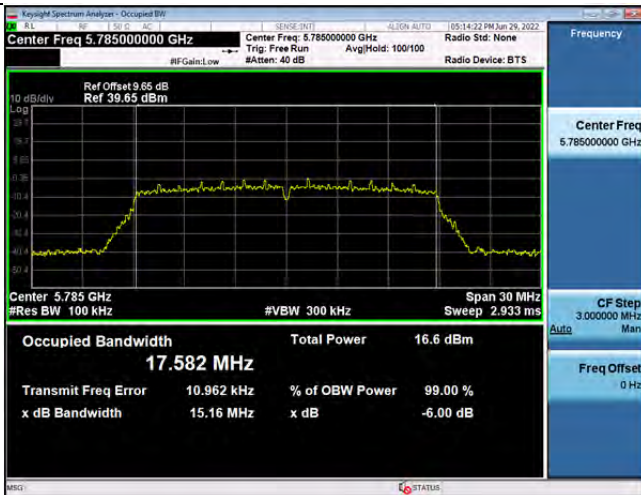
CH165 -5825MHz

U-NII-3 -802.11n (20MHz)

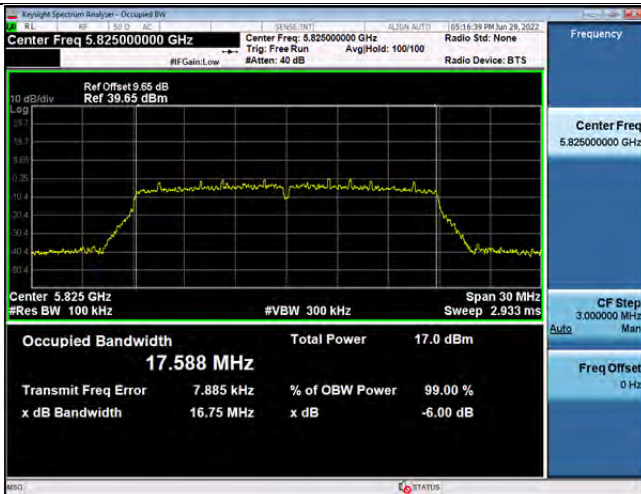
ANT3



CH149 -5745MHz



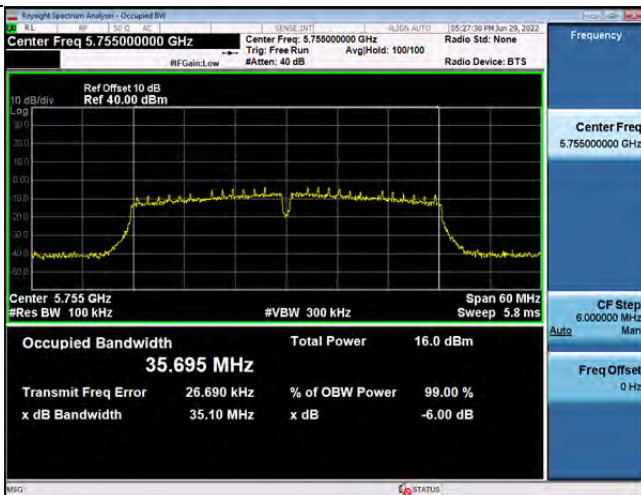
CH157 -5785MHz



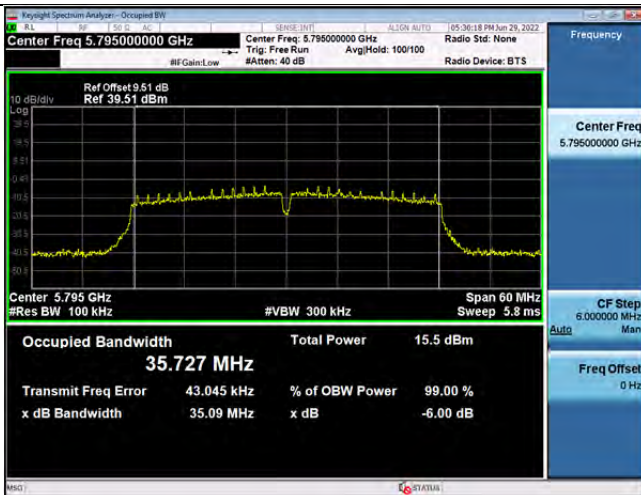
CH165 -5825MHz

U-NII-3 – 802.11n (40MHz)

ANT3



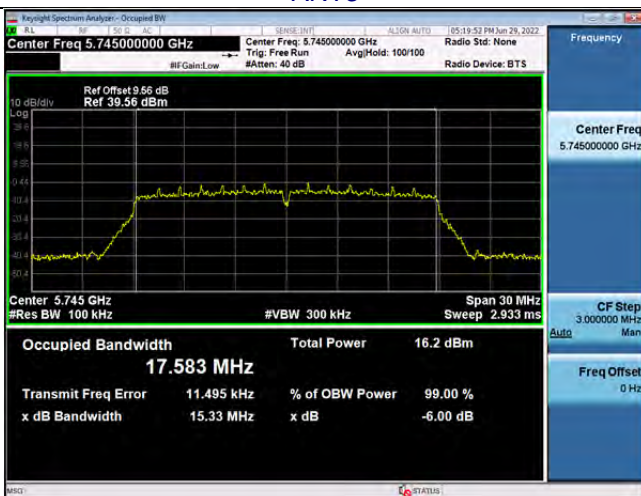
CH151 -5755MHz



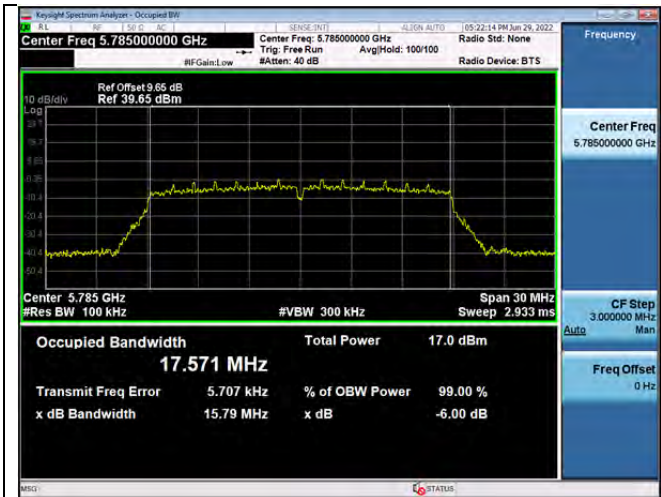
CH159 -5795MHz

U-NII-3-802.11ac (20MHz)

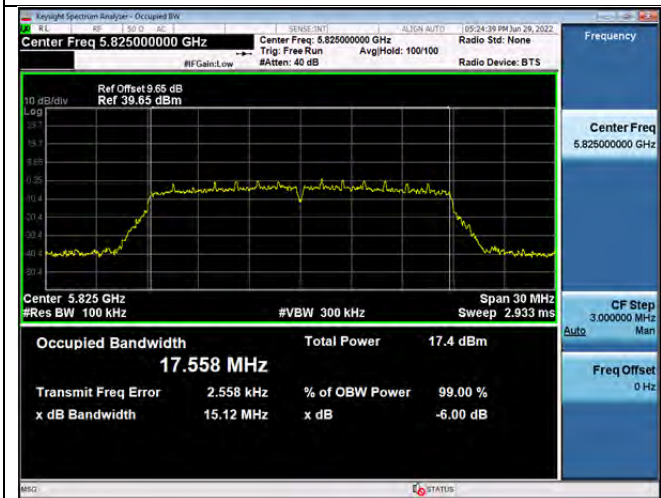
ANT3



CH149 -5745MHz



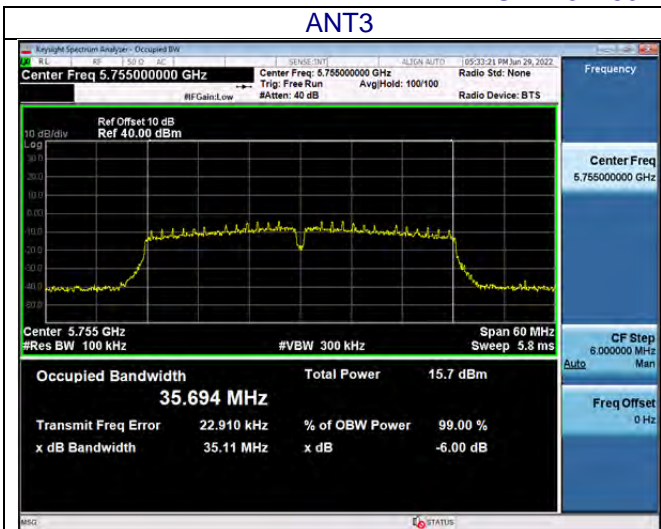
CH157 -5785MHz



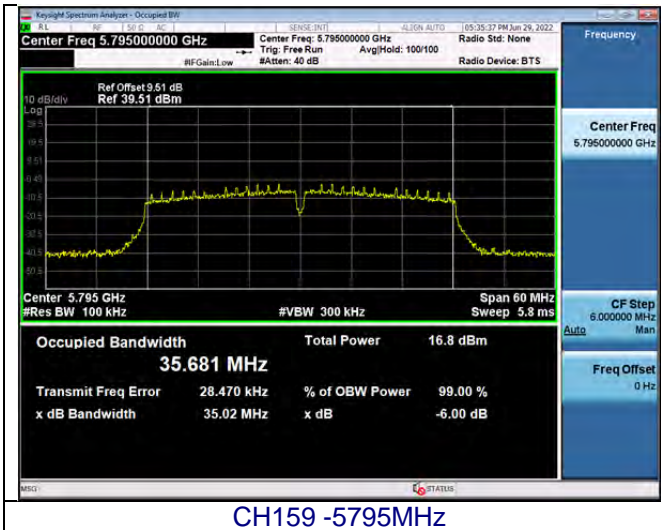
CH165 -5825MHz

U-NII-3 – 802.11ac (40MHz)

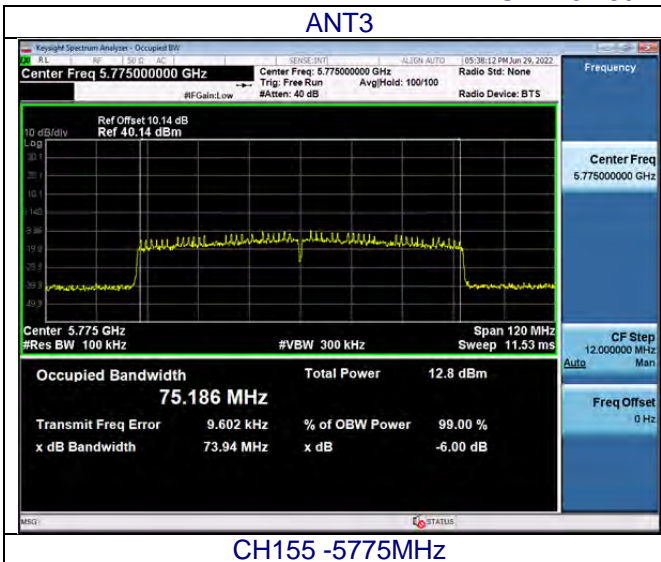
ANT3



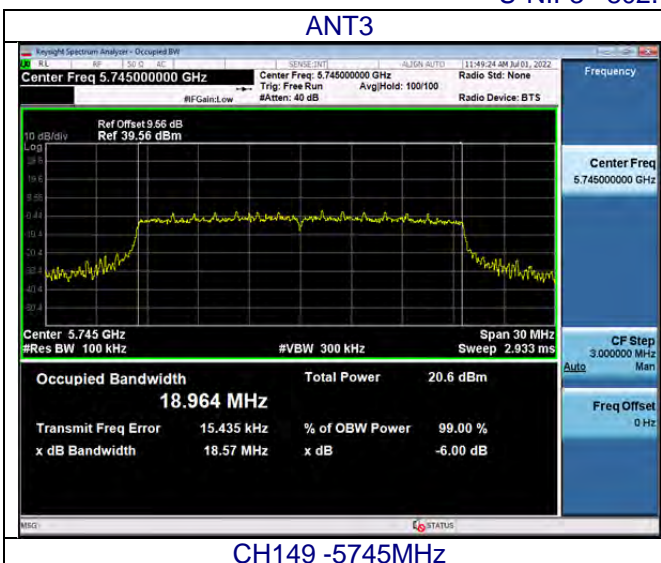
CH151 -5755MHz

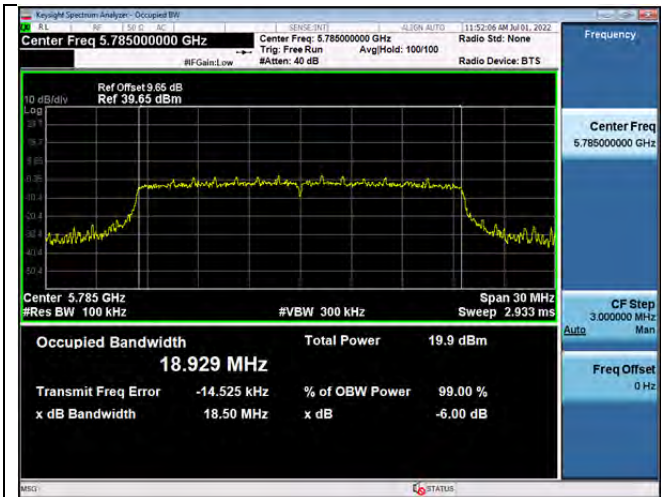


U-NII-3– 802.11ac (80MHz)

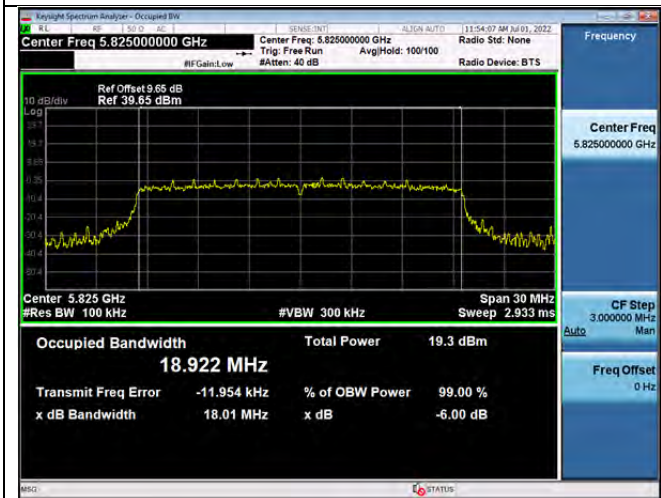


U-NII-3 –802.11ax (20MHz)





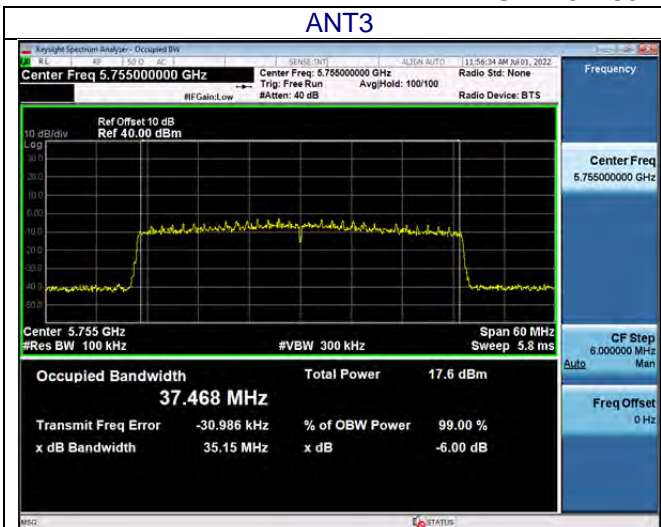
CH157 -5785MHz



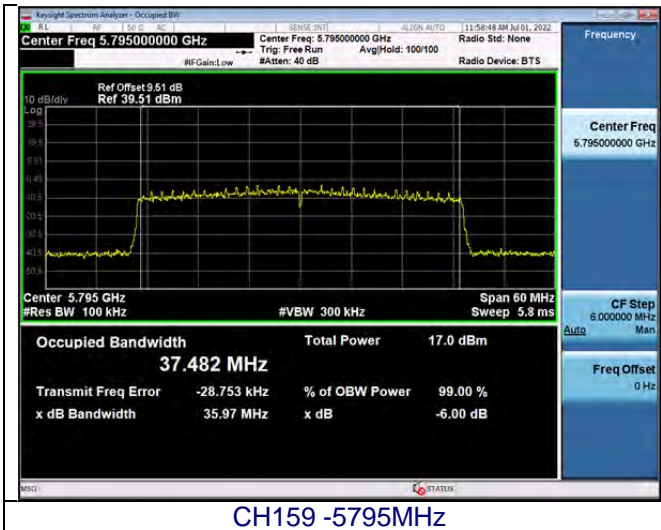
CH165 -5825MHz

U-NII-3 – 802.11ax (40MHz)

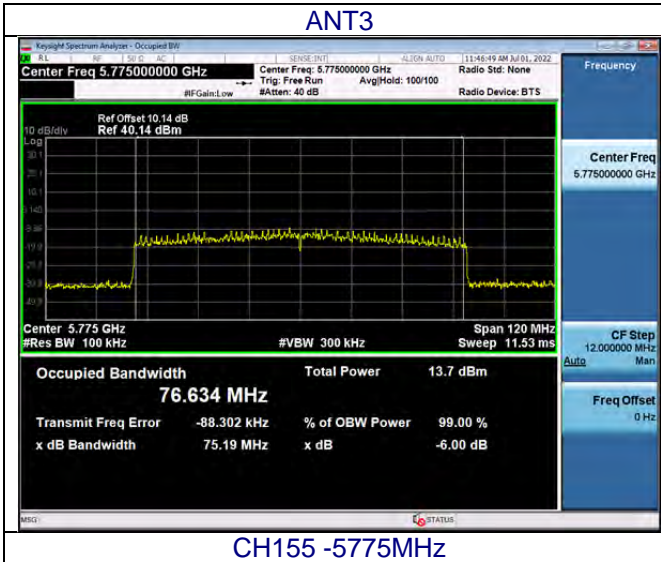
ANT3



CH151 -5755MHz



U-NII-3- 802.11ax (80MHz)



7. OUTPUT POWER TEST

Test Requirement:	15.407 (a)(1)(2)(3)
Test Method:	KDB 789033 D02 v02r01

7.1 APPLIED PROCEDURES/LIMIT

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi.

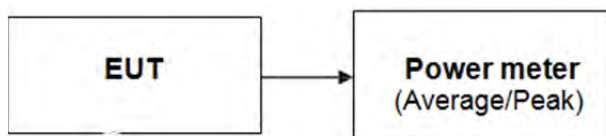
For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

Test Item	Band	Limit	Result
Max conducted output power	U-NII-1	1W / 30dbm	Pass
Max conducted output power	U-NII-3	1 W / 30dbm	Pass

7.2 DEVIATION FROM STANDARD

No deviation.

7.3 TEST SETUP



7.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

7.5 TEST RESULT

Temperature :	26°C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC120V

U-NII-1

802.11 Mode	Channel No.	Frequency [MHz]	Conducted Power [dBm]			MIMO [dBm]	Limit [dBm]	MIMO Limit
			ANT1	ANT2	ANT3			
a	36	5180	9.95	10.18	9.97	/	30.00	/
	40	5200	10.72	11.8	10.4	/	30.00	/
	48	5240	10.55	9.99	9.64	/	30.00	/
n(20MHz)	36	5180	9.03	8.03	9.08	13.51	30.00	26.23
	40	5200	9.04	8.01	9.04	13.49	30.00	26.23
	48	5240	9.12	8.71	9.77	13.99	30.00	26.23
n(40MHz)	38	5190	5.72	6.12	6.7	10.97	30.00	26.23
	46	5230	5.66	6.24	6.89	11.06	30.00	26.23
ac(20MHz)	36	5180	9.32	8.72	9.37	13.92	30.00	26.23
	40	5200	9.22	9.30	9.7	14.18	30.00	26.23
	48	5240	10.00	9.57	10.39	14.77	30.00	26.23
ac(40MHz)	38	5190	5.82	6.39	6.64	11.07	30.00	26.23
	46	5230	5.81	6.37	6.92	11.16	30.00	26.23
ac(80MHz)	42	5210	2.75	2.12	3.27	7.51	30.00	26.23
ax(20MHz)	36	5180	10.38	10.75	10.5	15.32	30.00	26.23
	40	5200	10.00	10.76	10.74	15.29	30.00	26.23
	48	5240	10.22	11.28	11.24	15.71	30.00	26.23
ax(40MHz)	38	5190	6.55	7.14	7.09	11.71	30.00	26.23
	46	5230	6.78	7.9	7.91	12.33	30.00	26.23
ax(80MHz)	42	5210	3.13	3.45	3.98	8.31	30.00	26.23

NOTE:

1. according to KDB662911D01 the MIMO-Power (Total power) is the sum of the conducted power levels measured at the various output ports.
2. For frequency U-NII-1, If MIMO Gain >6dBi , Power Limit(MIMO)=30- (MIMO Gain - 6dBi)
If MIMO Gain <6dBi , PSD Limit(MIMO)=Limit =30 dBm, in this report, MIMO Gain>6dBi ,
So Power Limit(MIMO)=Limit =30-(9.77-6)=26.23dBm

U-NII-3

802.11 Mode	Channel No.	Frequency [MHz]	Conducted Power [dBm]			MIMO [dBm]	Limit [dBm]	MIMO Limit
			ANT1	ANT2	ANT3			
a	149	5745	14.37	15.03	13.87	/	30.00	/
	157	5785	12.54	15.73	13.65	/	30.00	/
	165	5825	13.31	13.88	14.28	/	30.00	/
n (20MHz)	149	5745	11.09	12.13	11.46	16.35	30.00	26.23
	157	5785	12.46	13.57	12.18	17.55	30.00	26.23
	165	5825	12.29	13.80	12.64	17.73	30.00	26.23
n (40MHz)	151	5755	9.86	11.63	11.71	15.92	30.00	26.23
	159	5795	10.52	11.26	12.52	16.28	30.00	26.23
ac (20MHz)	149	5745	12.29	14.34	12.97	18.06	30.00	26.23
	157	5785	10.73	12.10	11.24	16.17	30.00	26.23
	165	5825	10.24	11.83	10.76	15.77	30.00	26.23
ac(40MHz)	151	5755	9.94	12.15	10.78	15.82	30.00	26.23
	159	5795	10.25	12.73	11.92	16.52	30.00	26.23
ac(80MHz)	155	5775	7.74	8.93	7.74	12.95	30.00	26.23
ax(20MHz)	149	5745	16.08	16.95	17.39	21.61	30.00	26.23
	157	5785	16.91	16.51	16.75	21.50	30.00	26.23
	165	5825	16.18	16.05	16.11	20.88	30.00	26.23
ax(40MHz)	151	5755	14.94	14.32	13.84	19.16	30.00	26.23
	159	5795	15.72	13.78	13.33	19.18	30.00	26.23
ax(80MHz)	155	5775	8.62	7.59	7.43	12.68	30.00	26.23

1. according to KDB662911D01 the MIMO-Power (Total power) is the sum of the conducted power levels measured at the various output ports.

2. For frequency U-NII-3, If MIMO Gain >6dBi , Power Limit(MIMO)=30- (MIMO Gain - 6dBi)
 If MIMO Gain <6dBi , PSD Limit(MIMO)=Limit =30 dBm, in this report, MIMO Gain>6dBi ,
 So Power Limit(MIMO)=Limit =30-(9.77-6)=26.23dBm

8. OUT OF BAND EDGE EMISSION

Test Requirement:	15.407 (b)
Test Method:	KDB 789033 D02 v02r01

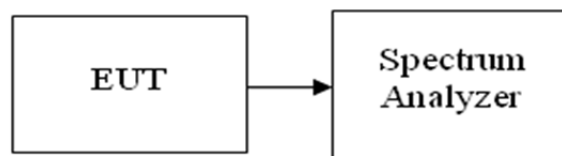
8.1 TEST PROCEDURE

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

8.2 DEVIATION FROM STANDARD

No deviation.

8.3 TEST SETUP



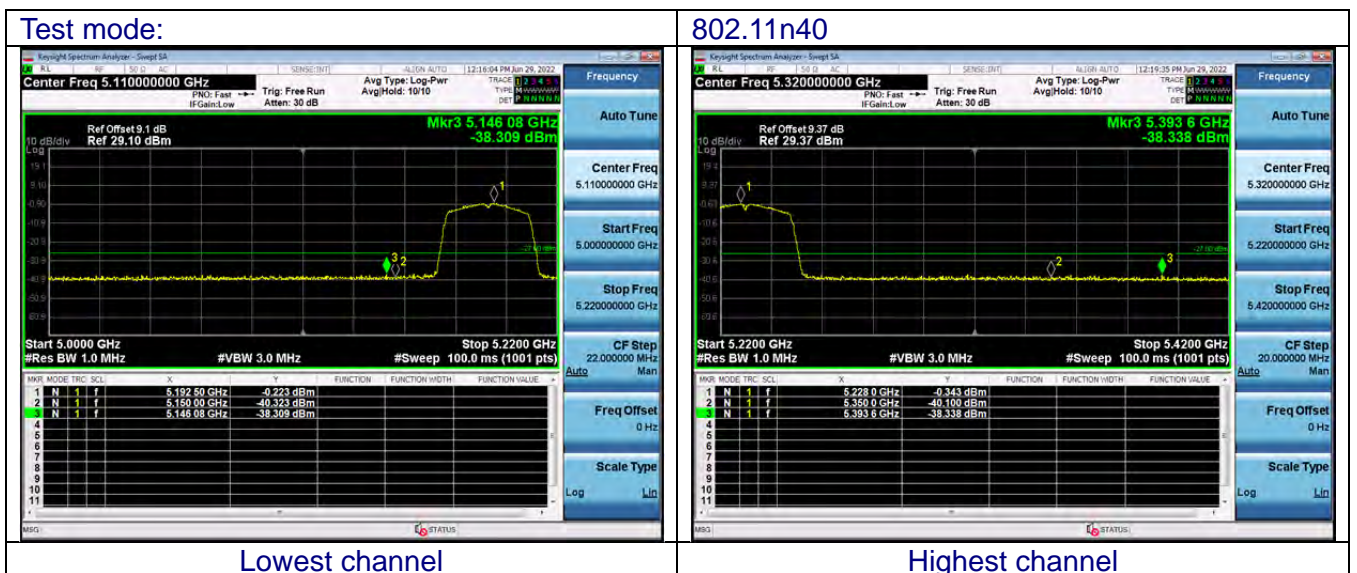
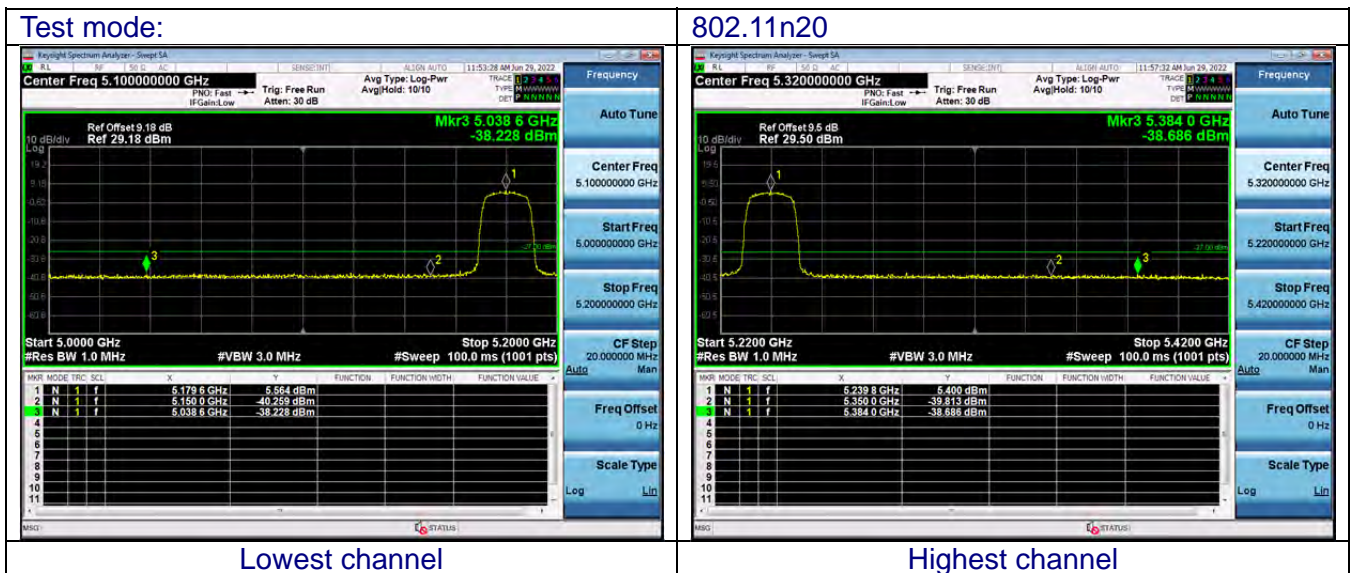
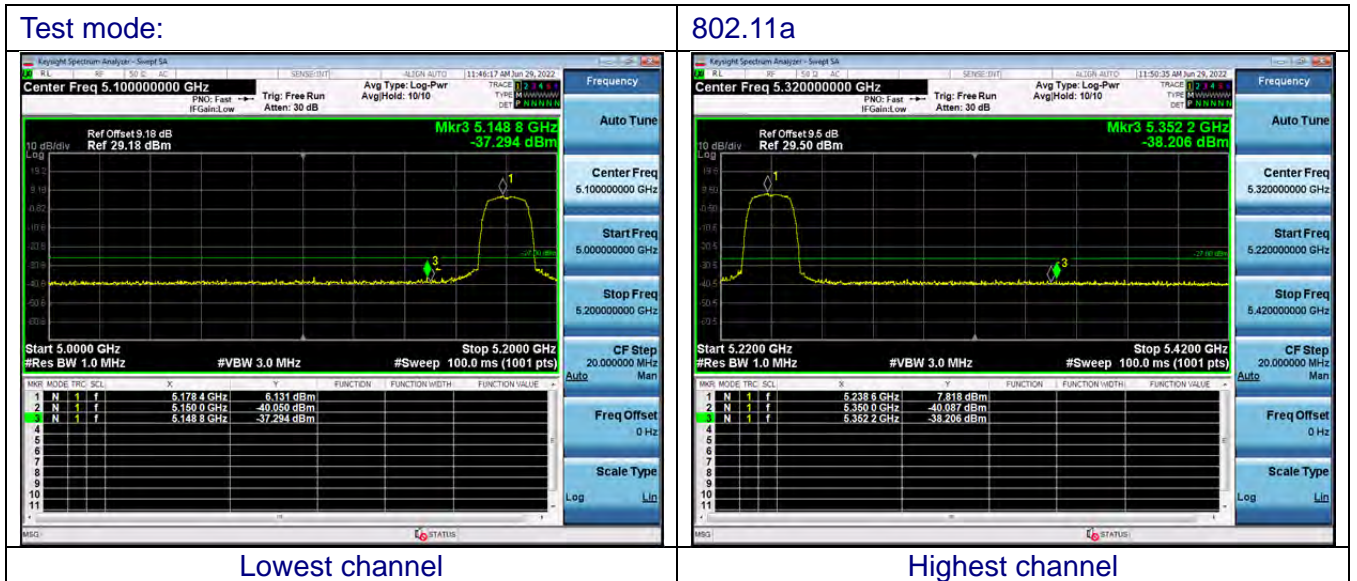
8.4 EUT OPERATION CONDITIONS

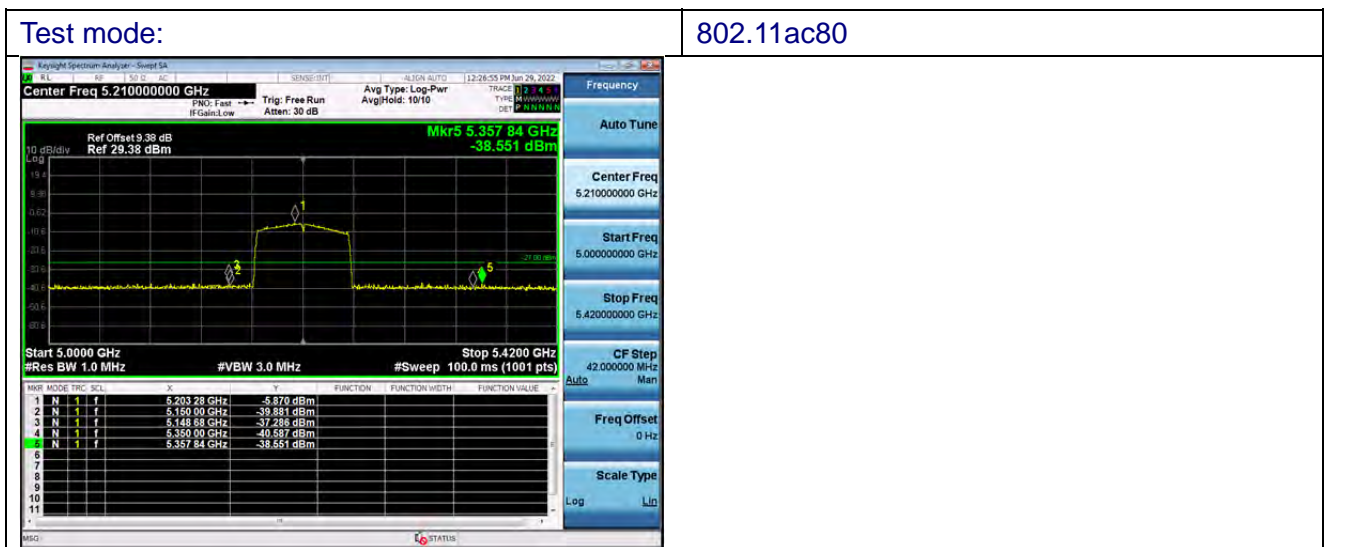
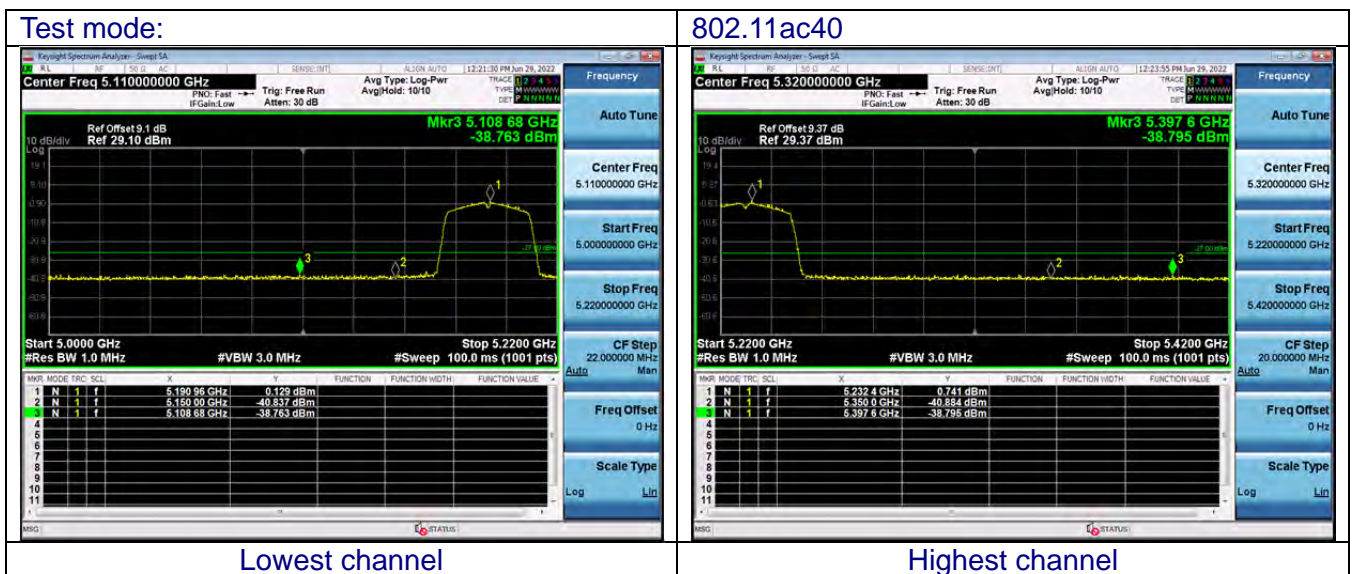
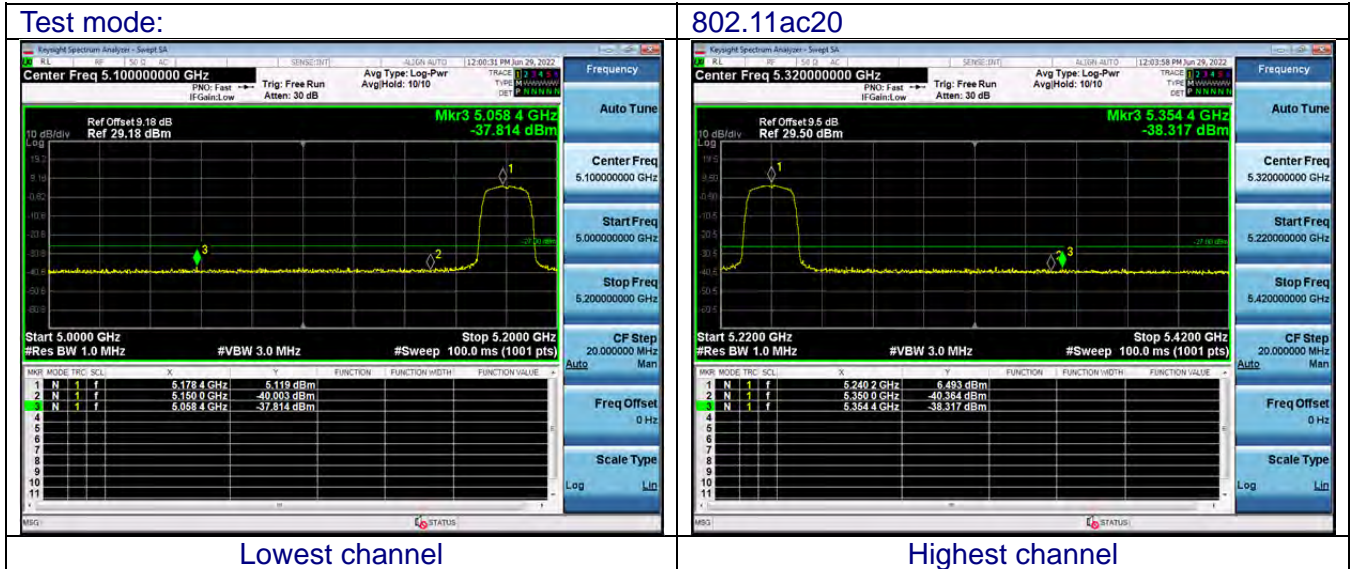
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

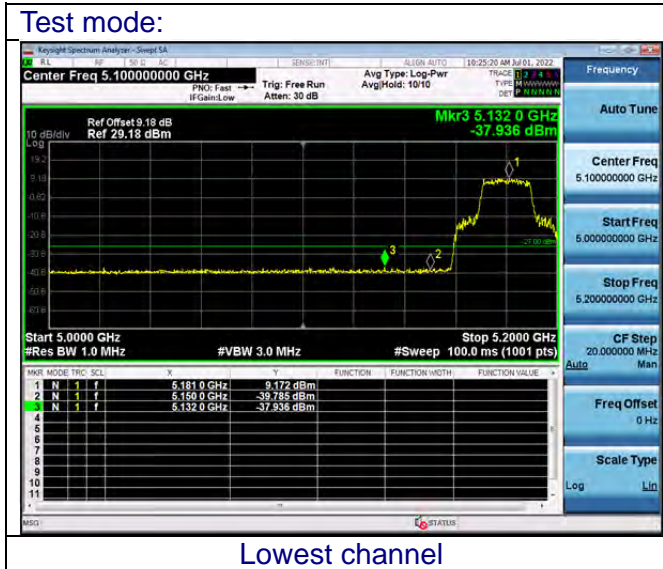
8.5 TEST RESULTS

Test plot as follows:

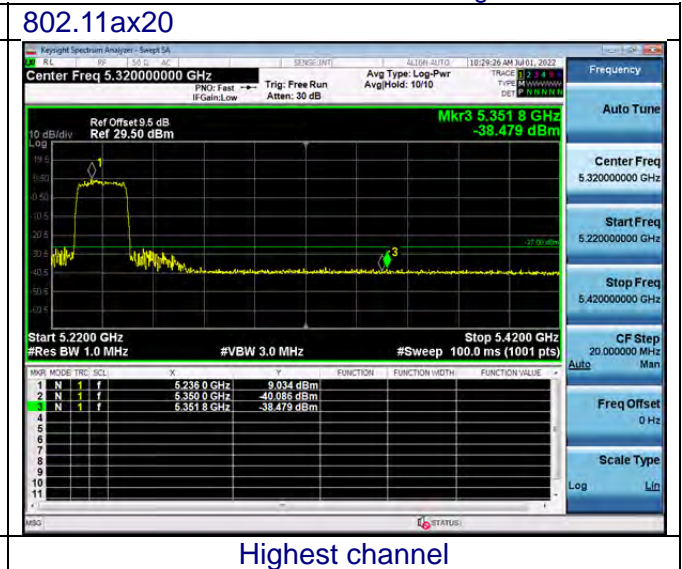
ANT1- U-NII-1



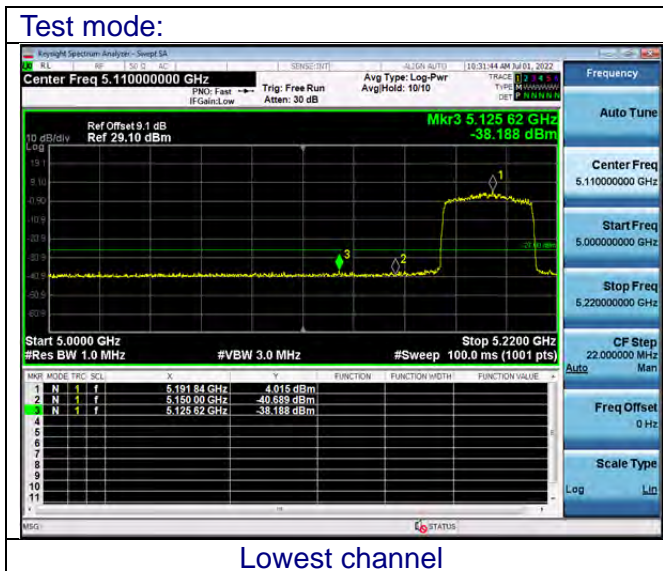




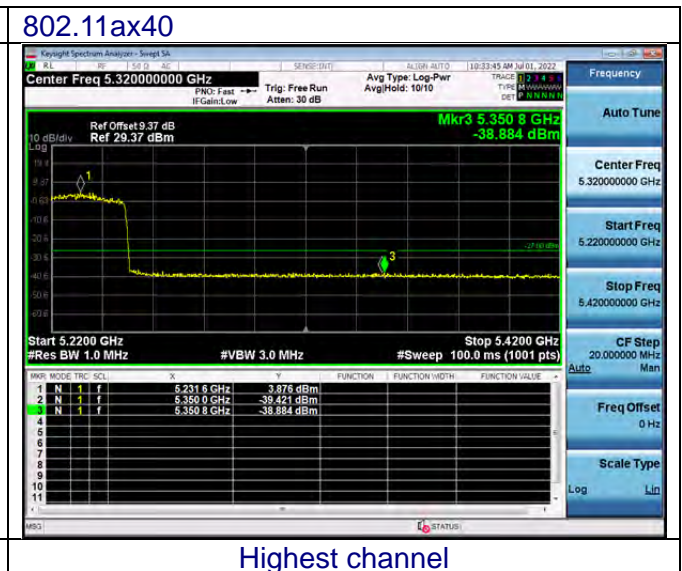
Lowest channel



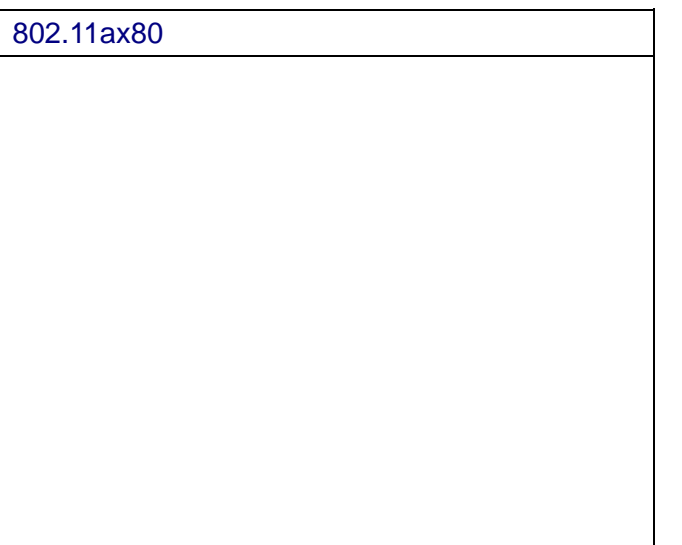
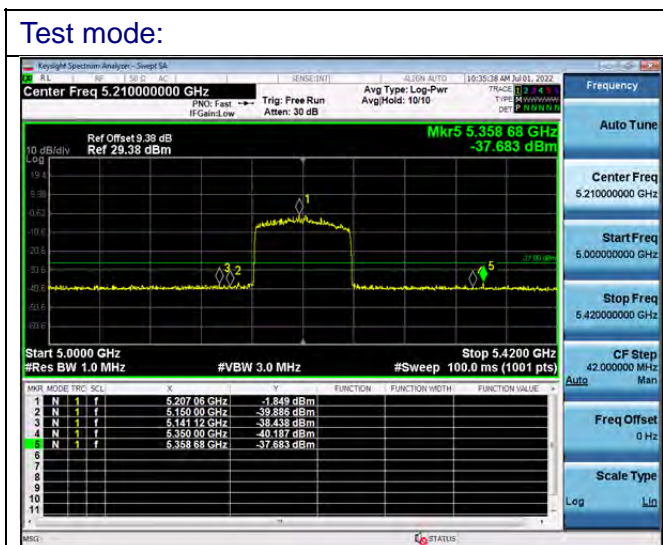
Highest channel



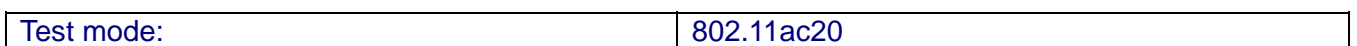
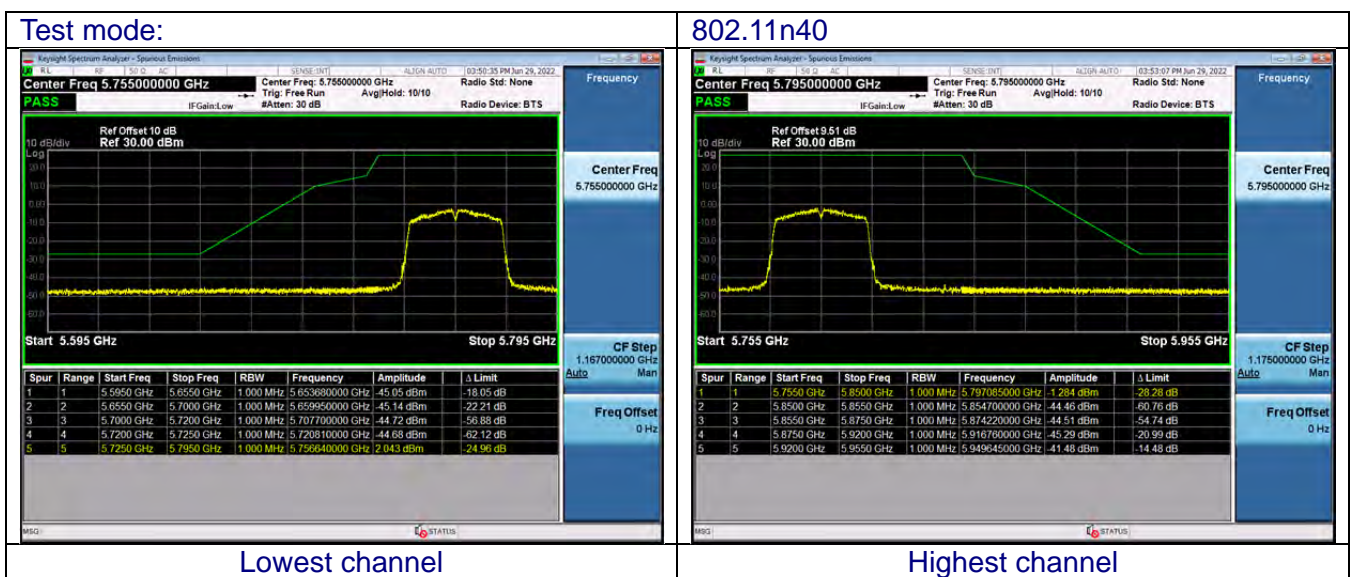
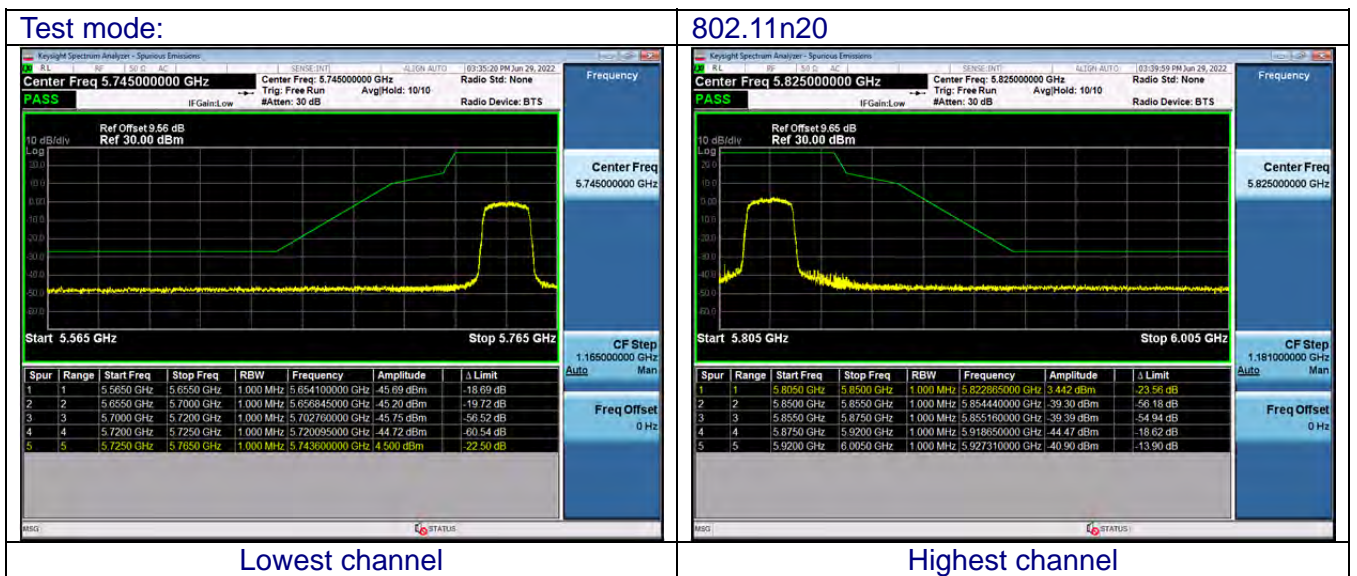
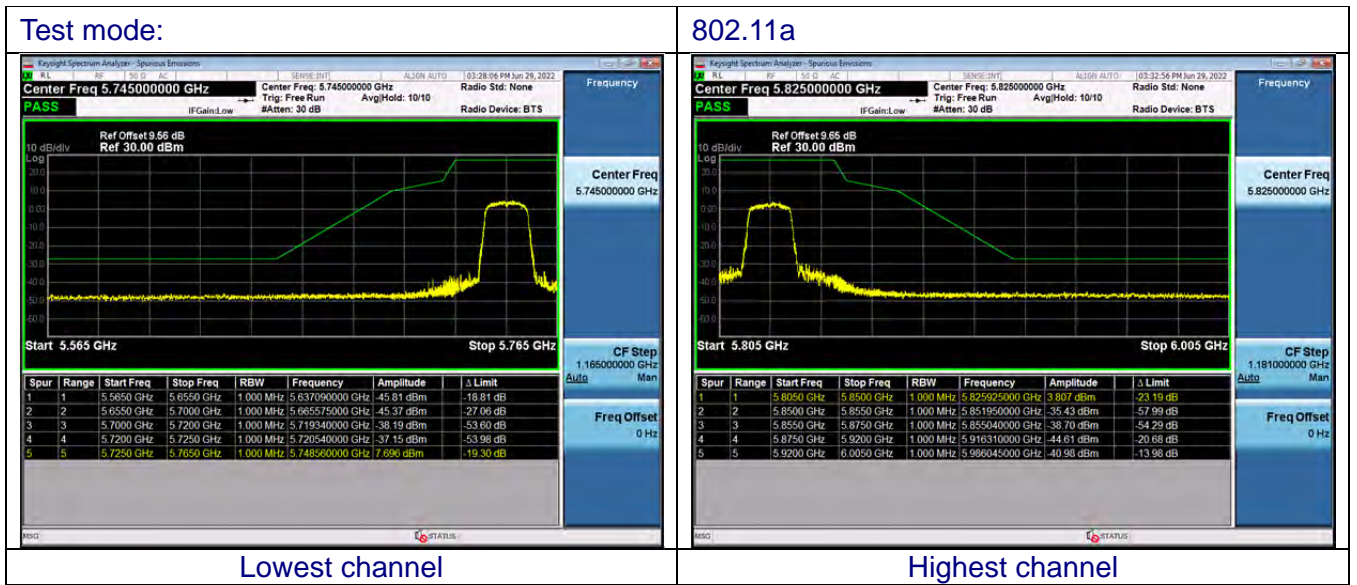
Lowest channel

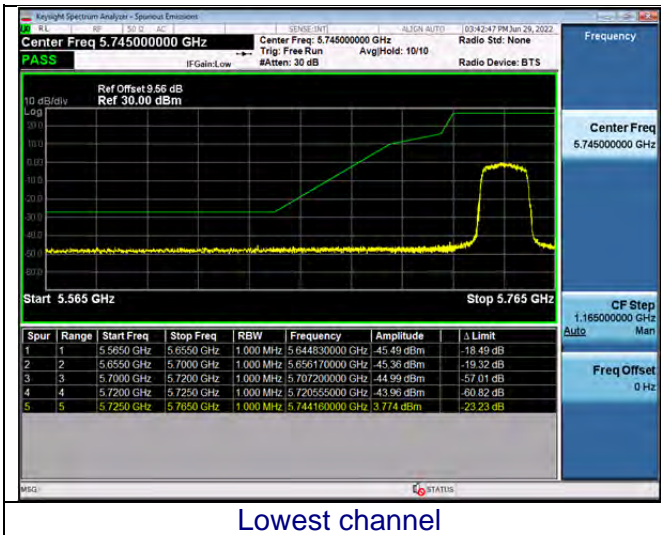


Highest channel

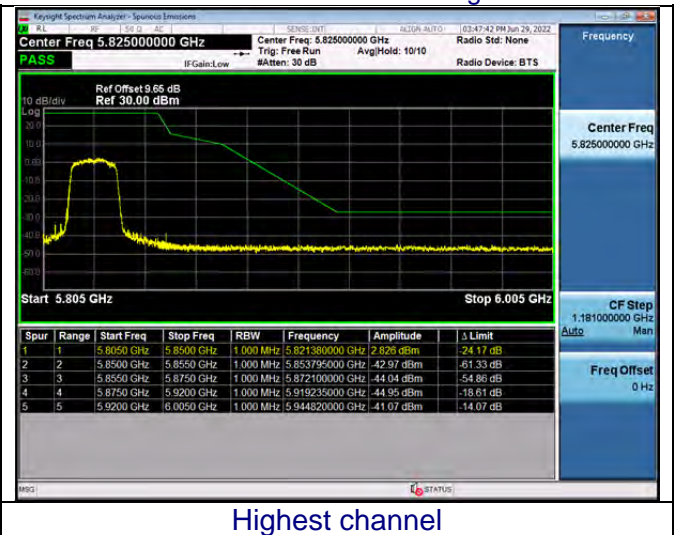


ANT1- U-NII-3

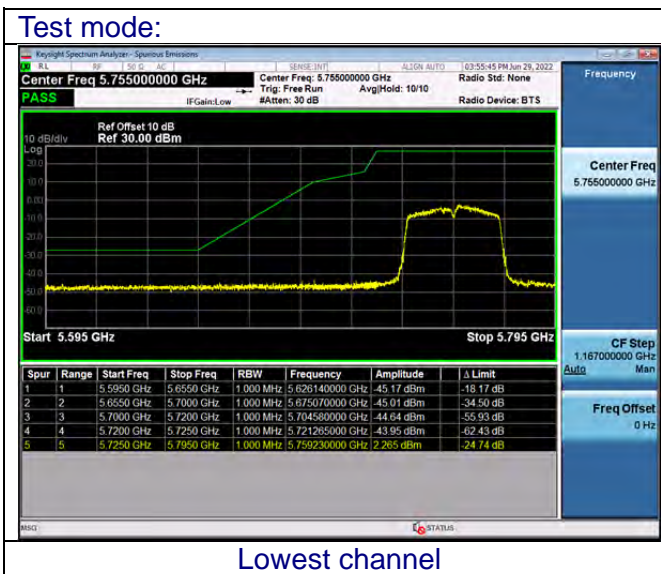




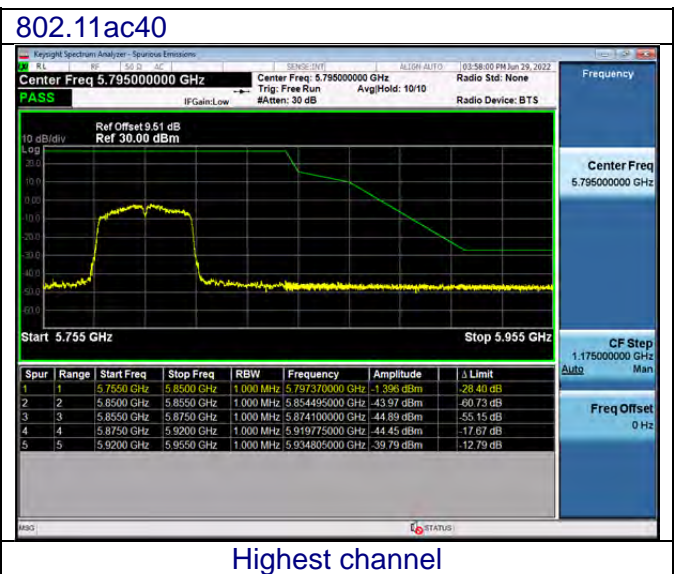
Lowest channel



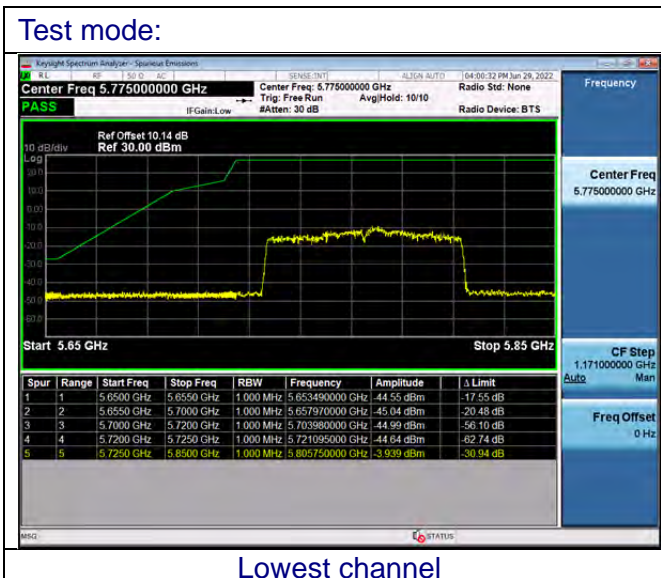
Highest channel



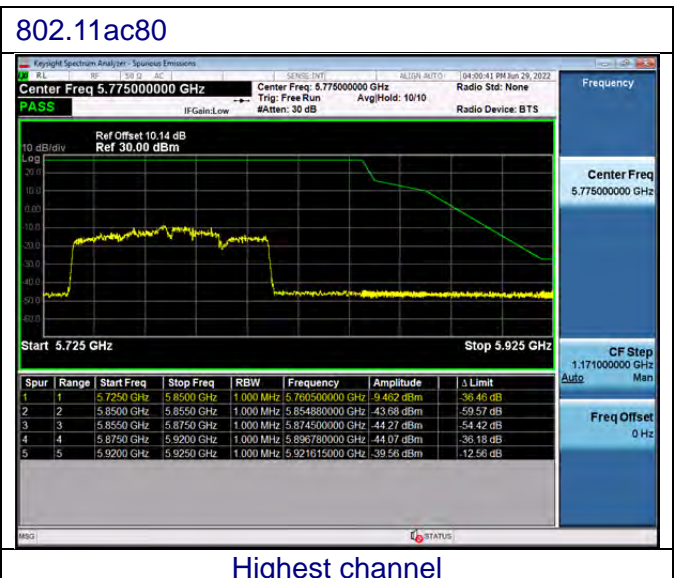
Lowest channel



Highest channel



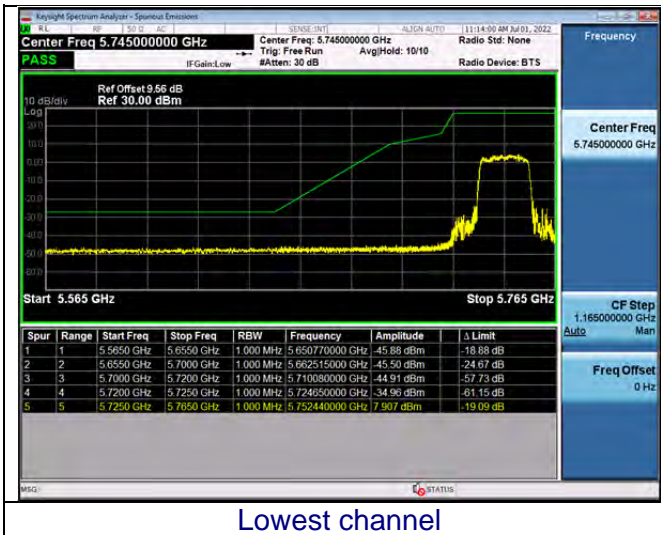
Lowest channel



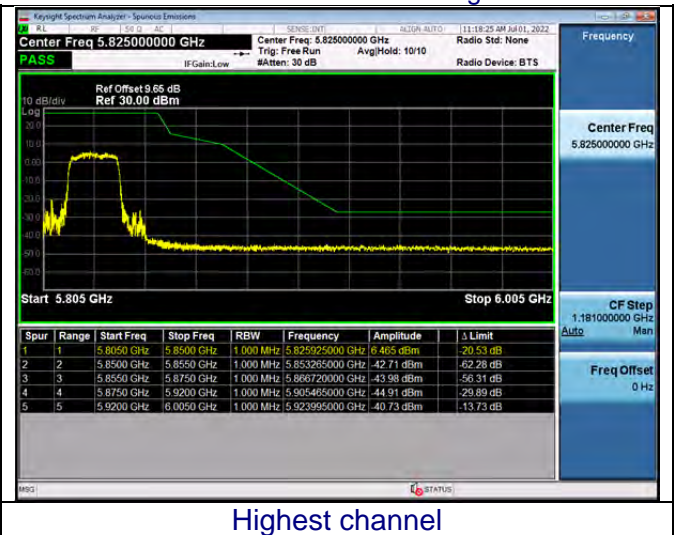
Highest channel

Test mode:

802.11ax20

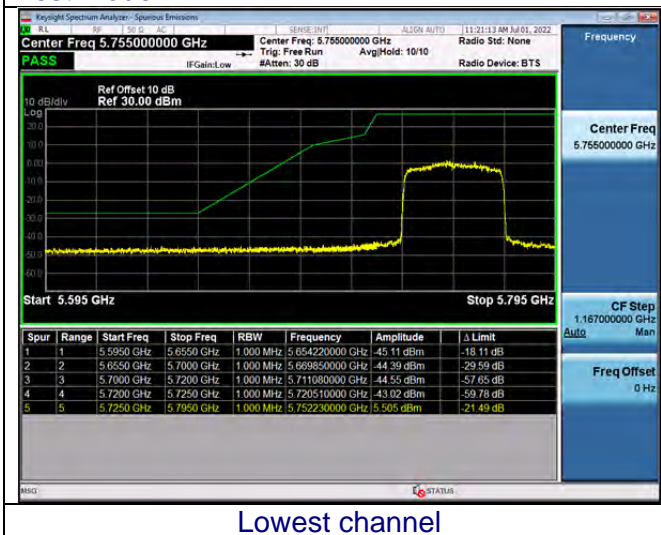


Lowest channel



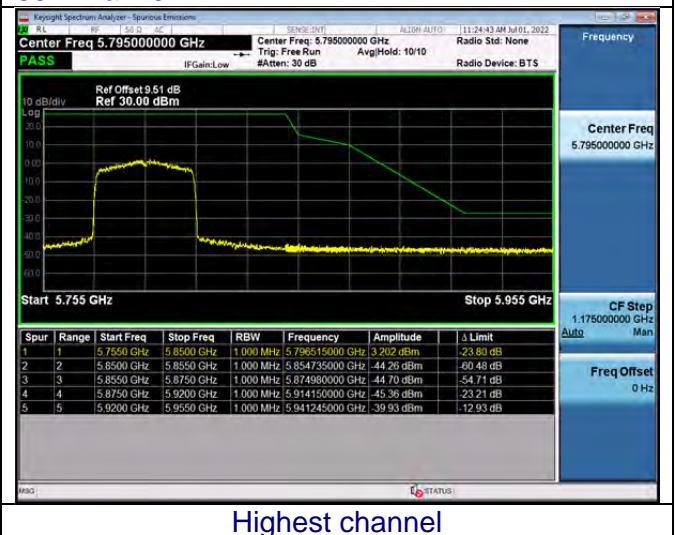
Highest channel

Test mode:



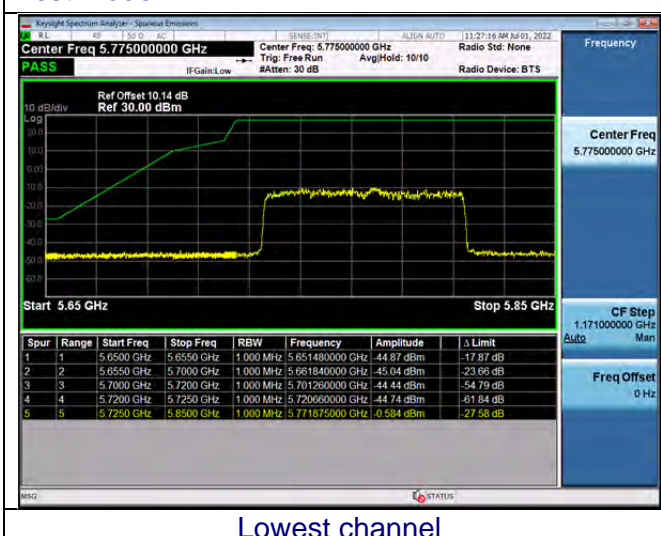
Lowest channel

802.11ax40



Highest channel

Test mode:



Lowest channel

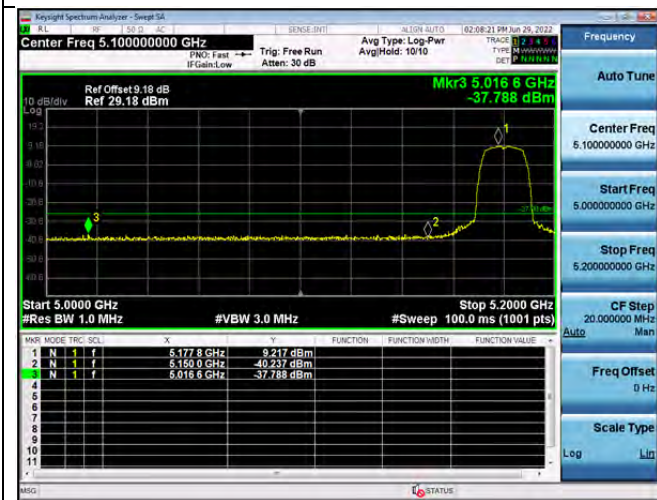
802.11ax80



Highest channel

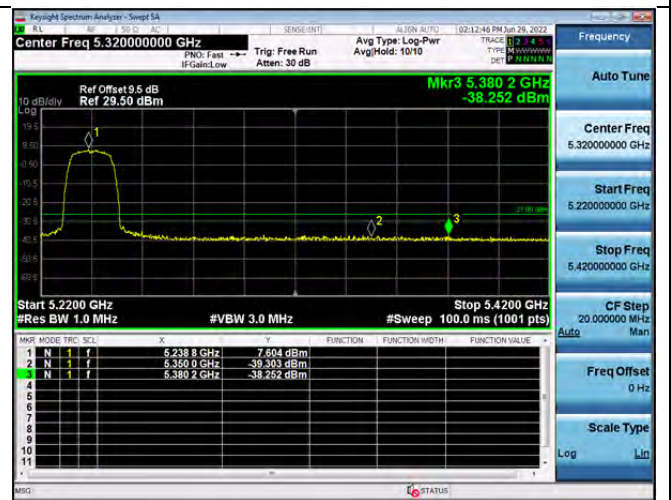
ANT2- U-NII-1

Test mode:



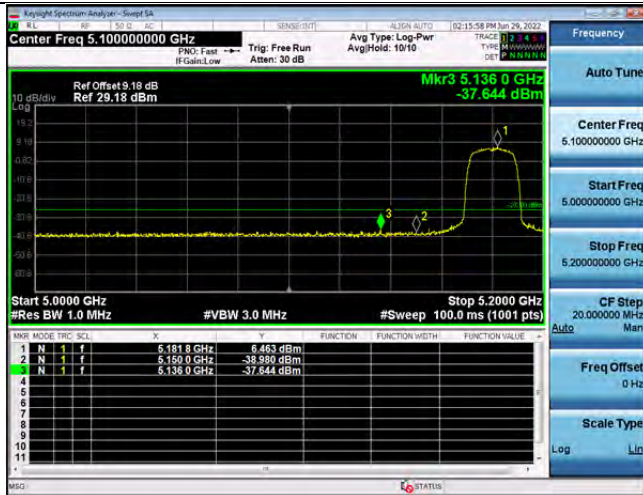
Lowest channel

802.11a



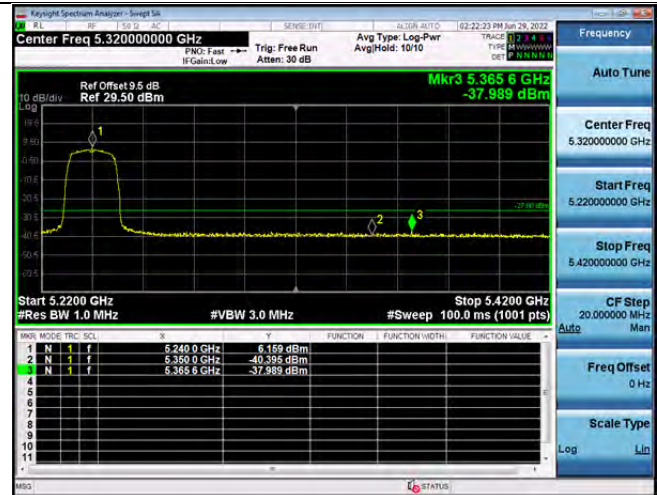
Highest channel

Test mode:



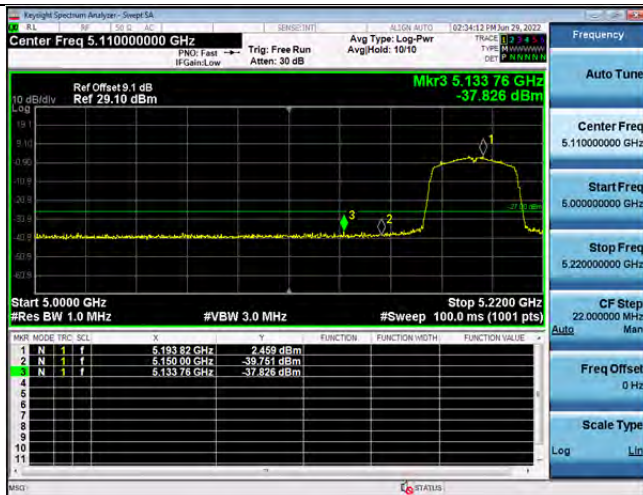
Lowest channel

802.11n20



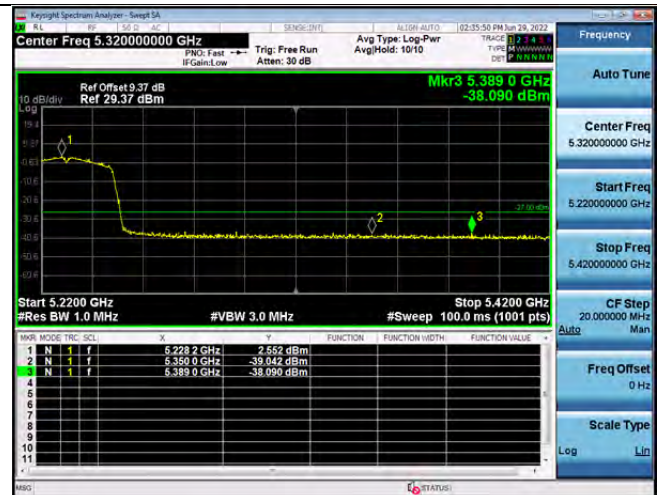
Highest channel

Test mode:

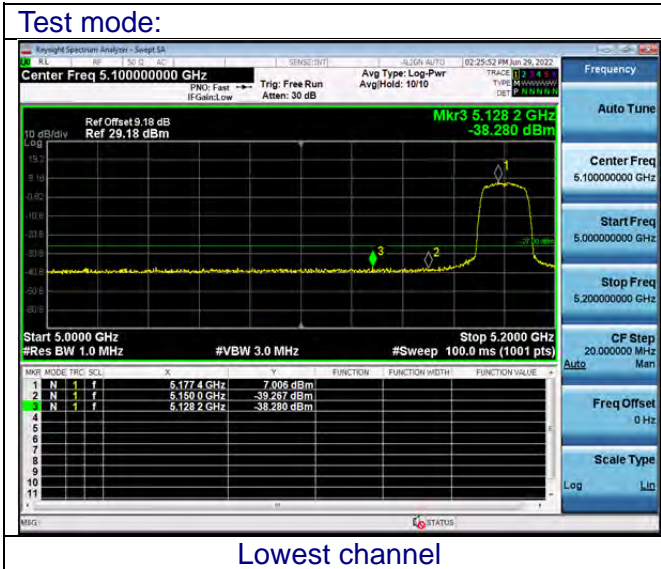


Lowest channel

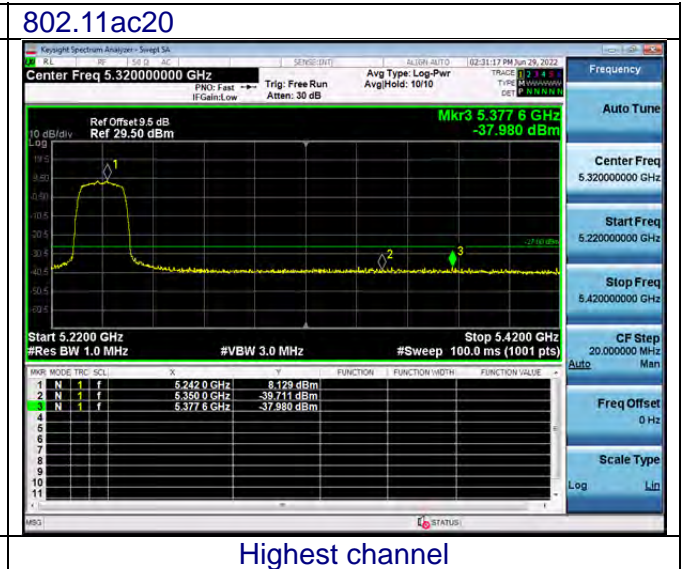
802.11n40



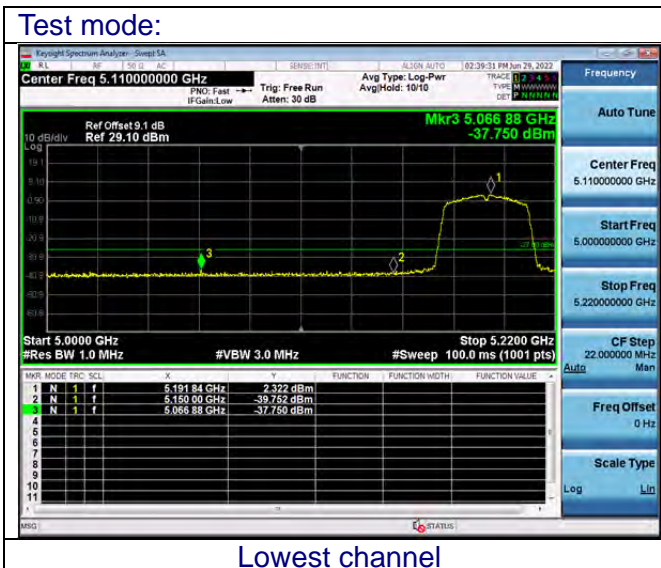
Highest channel



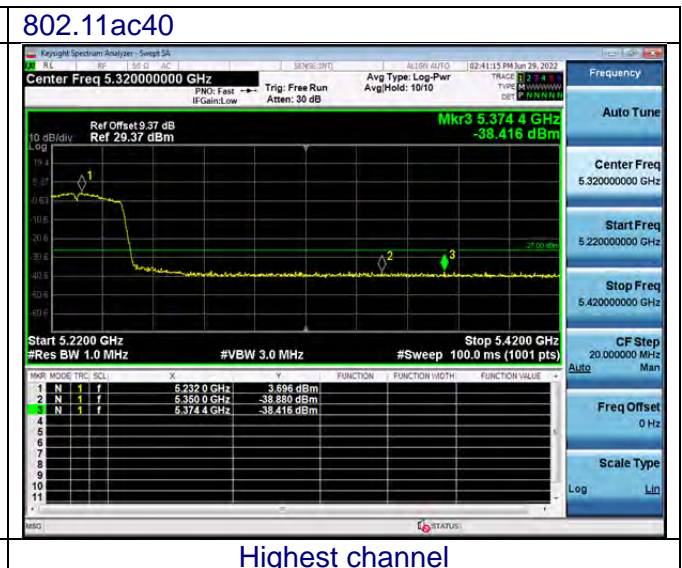
Lowest channel



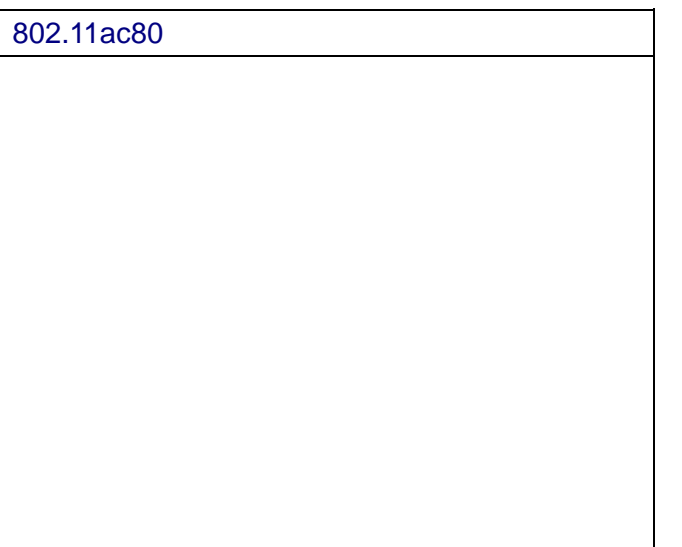
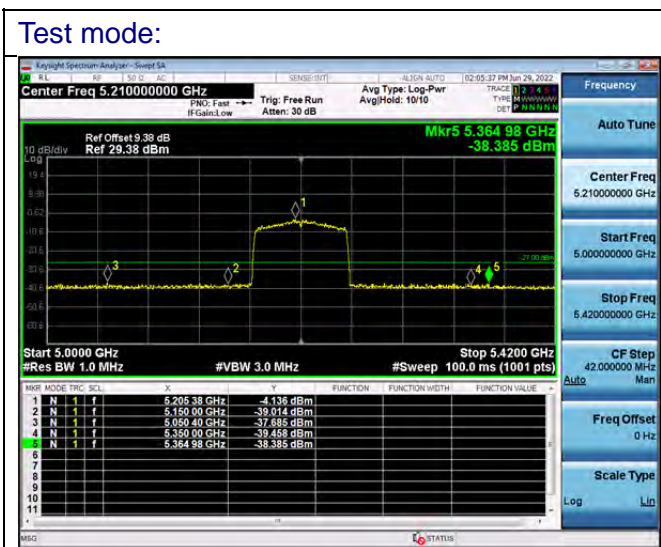
Highest channel

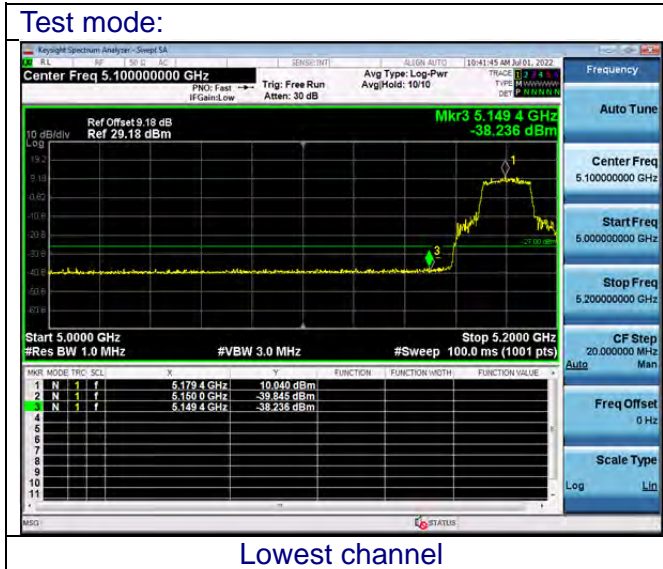


Lowest channel

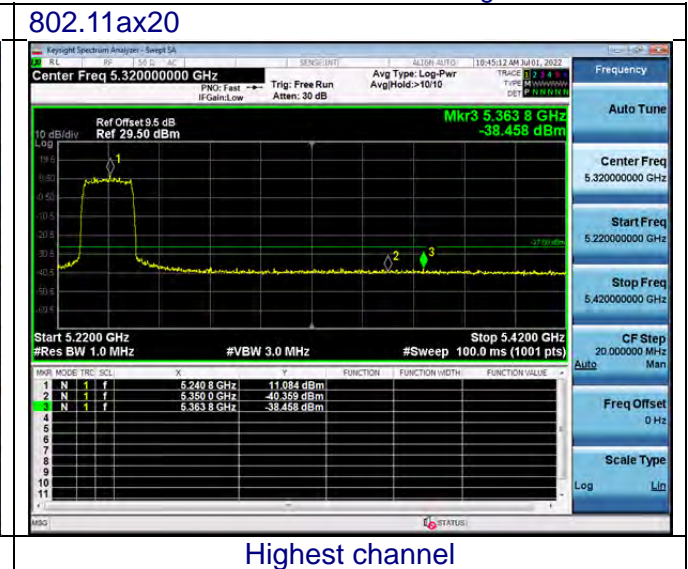


Highest channel

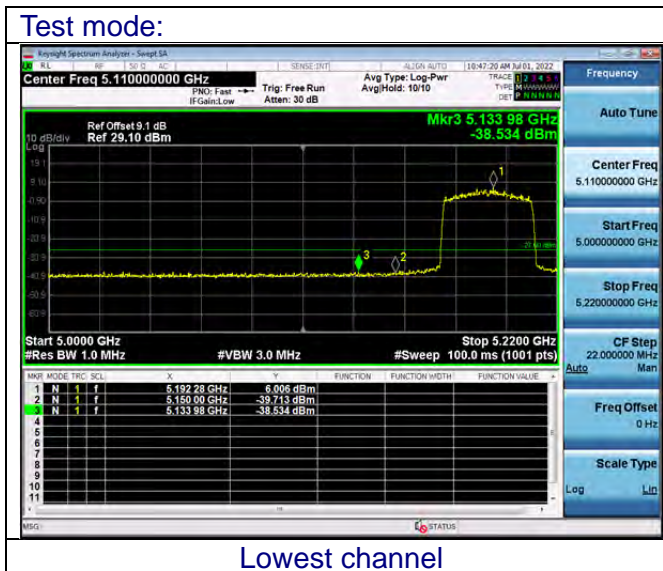




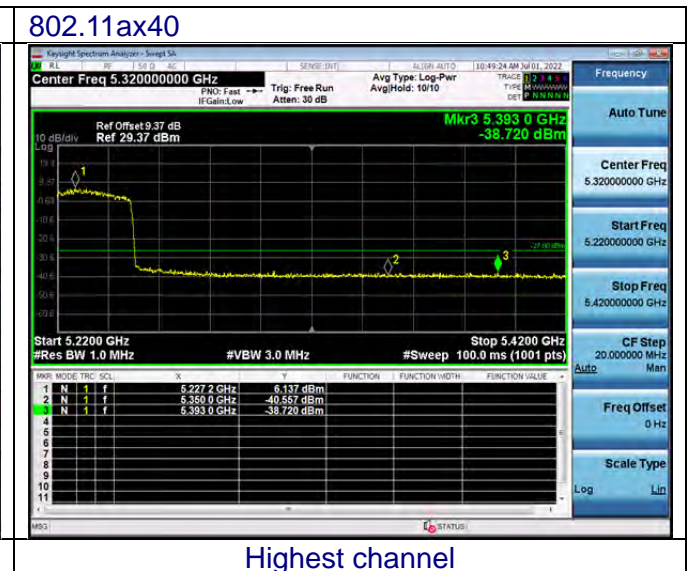
Lowest channel



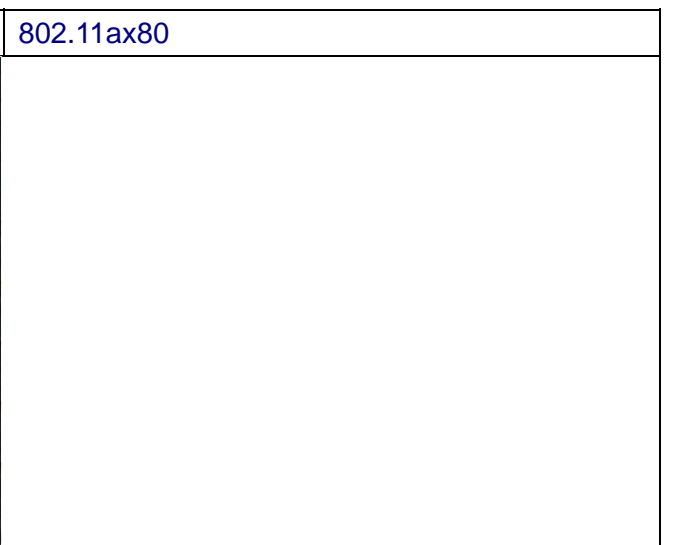
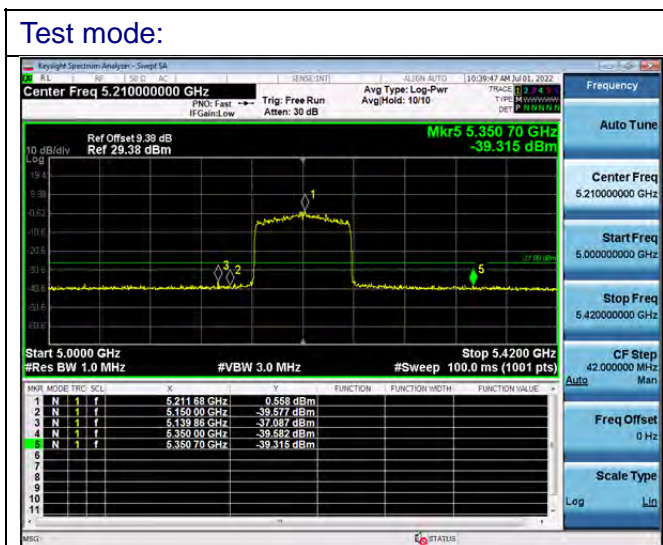
Highest channel



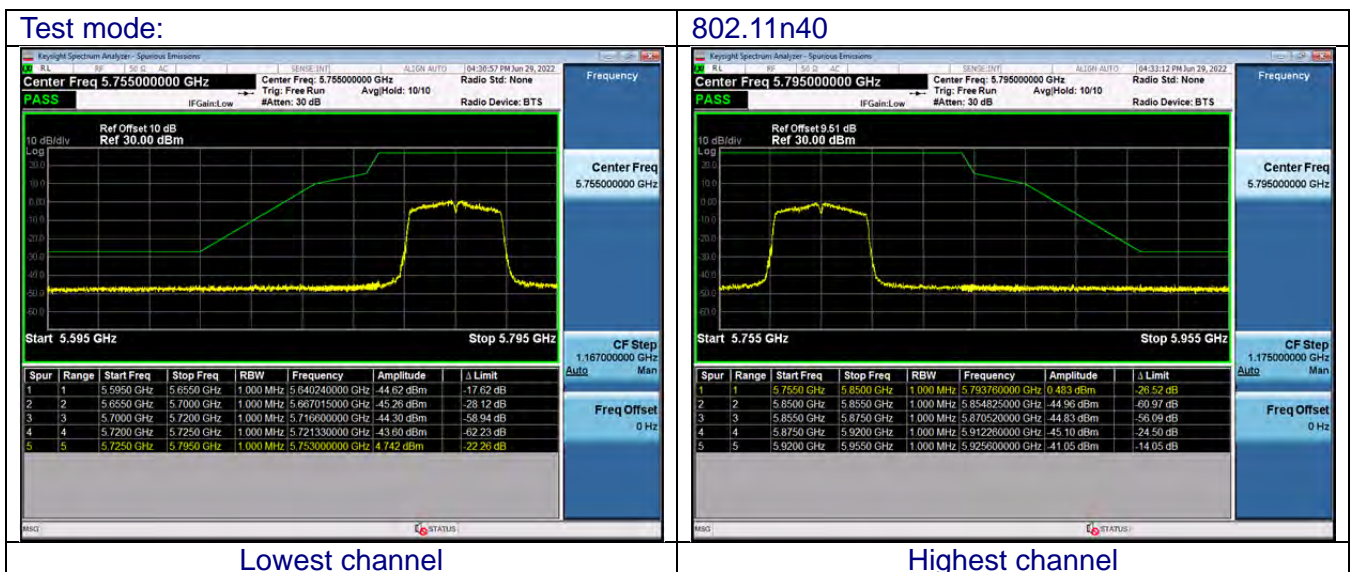
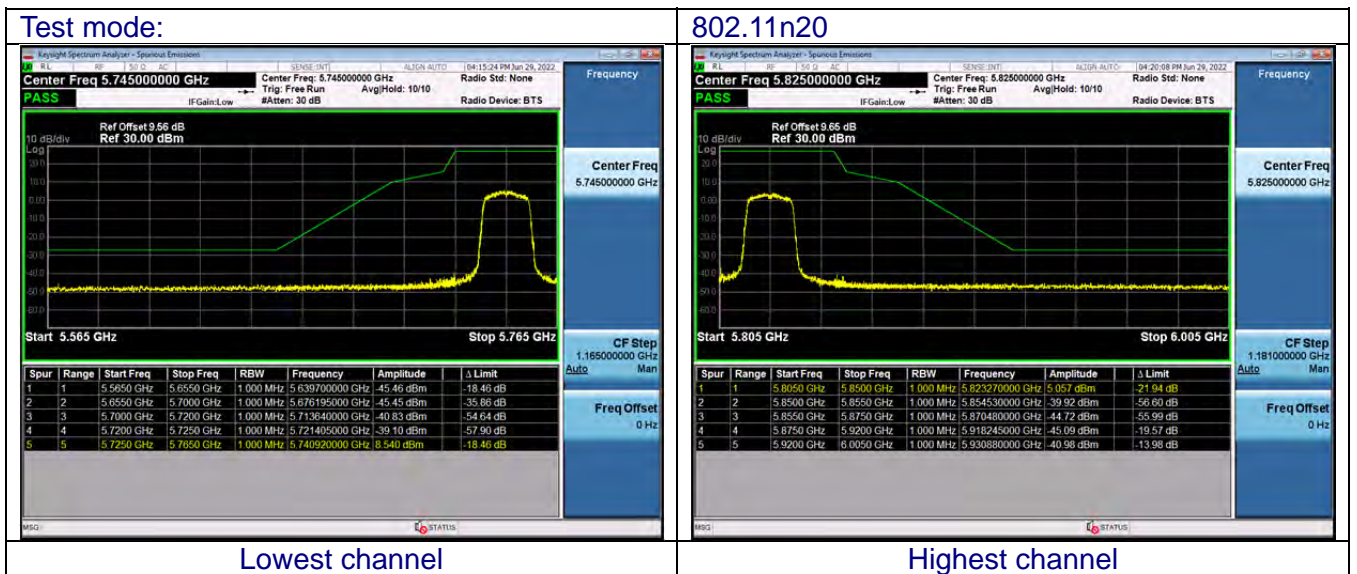
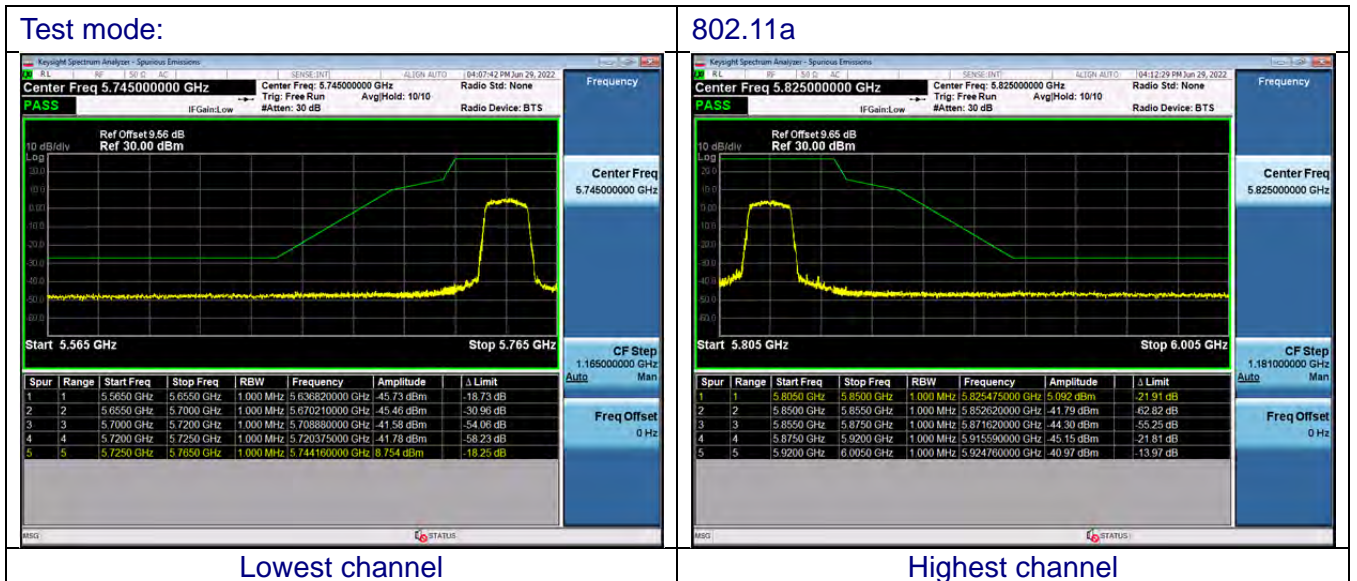
Lowest channel

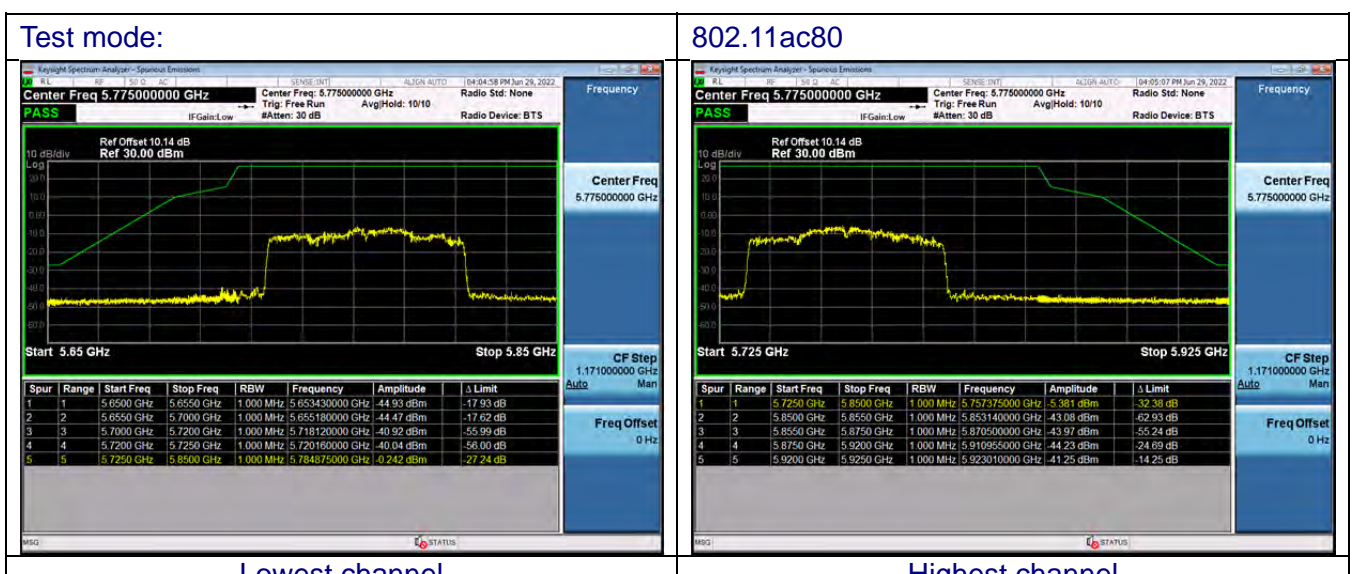
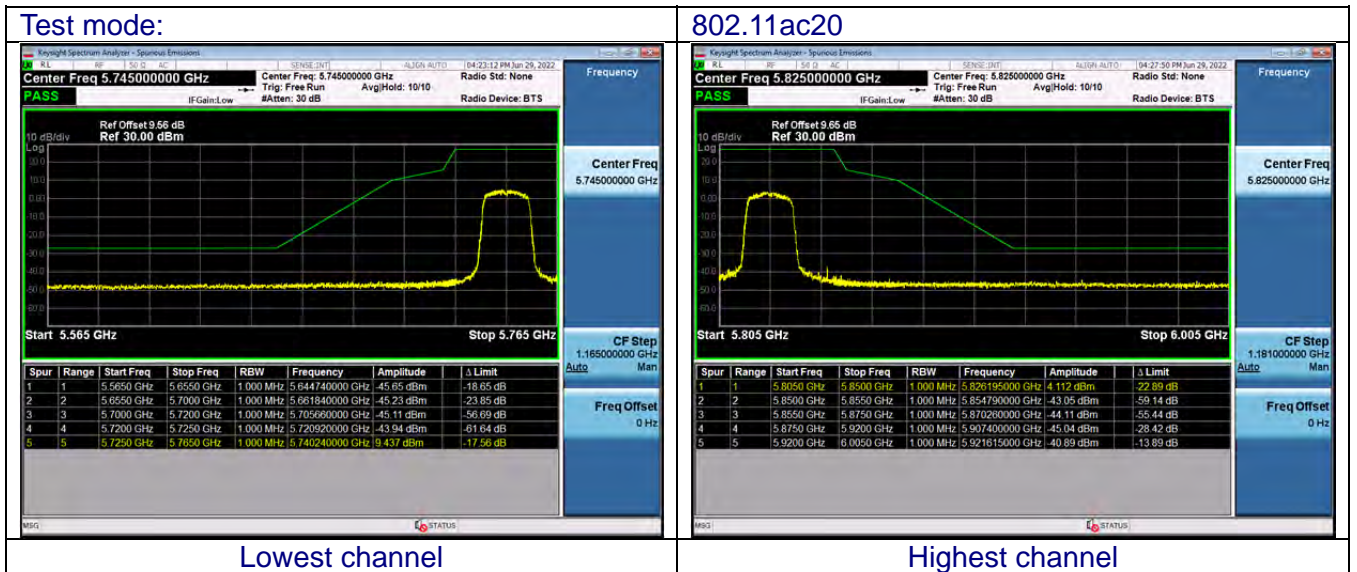


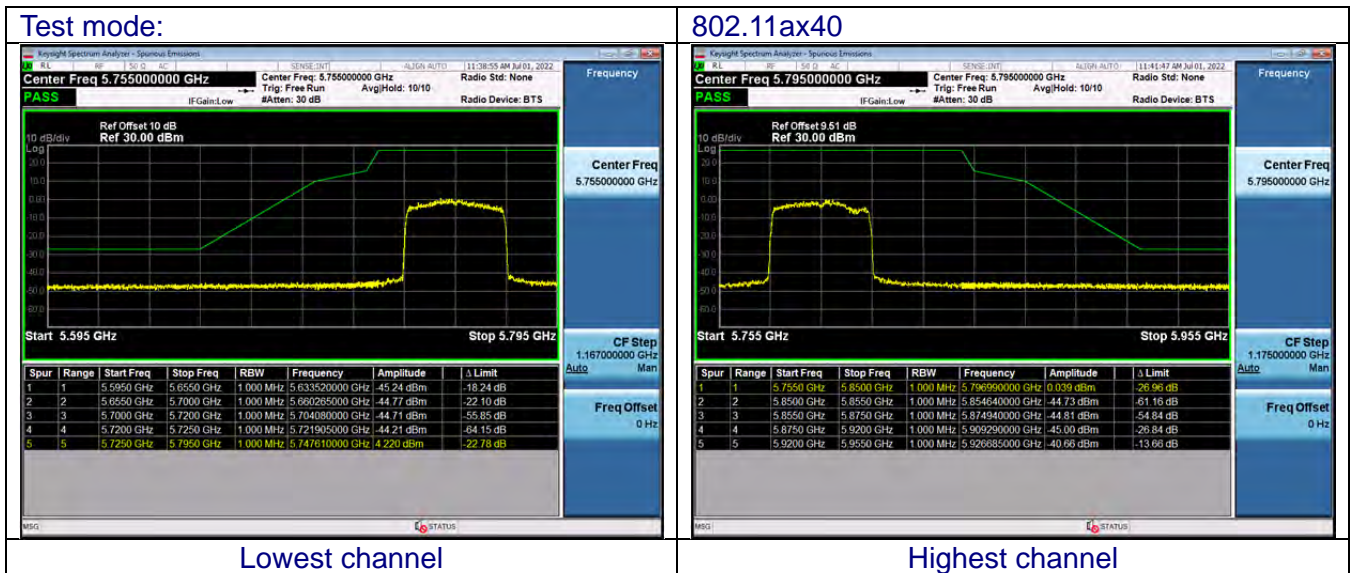
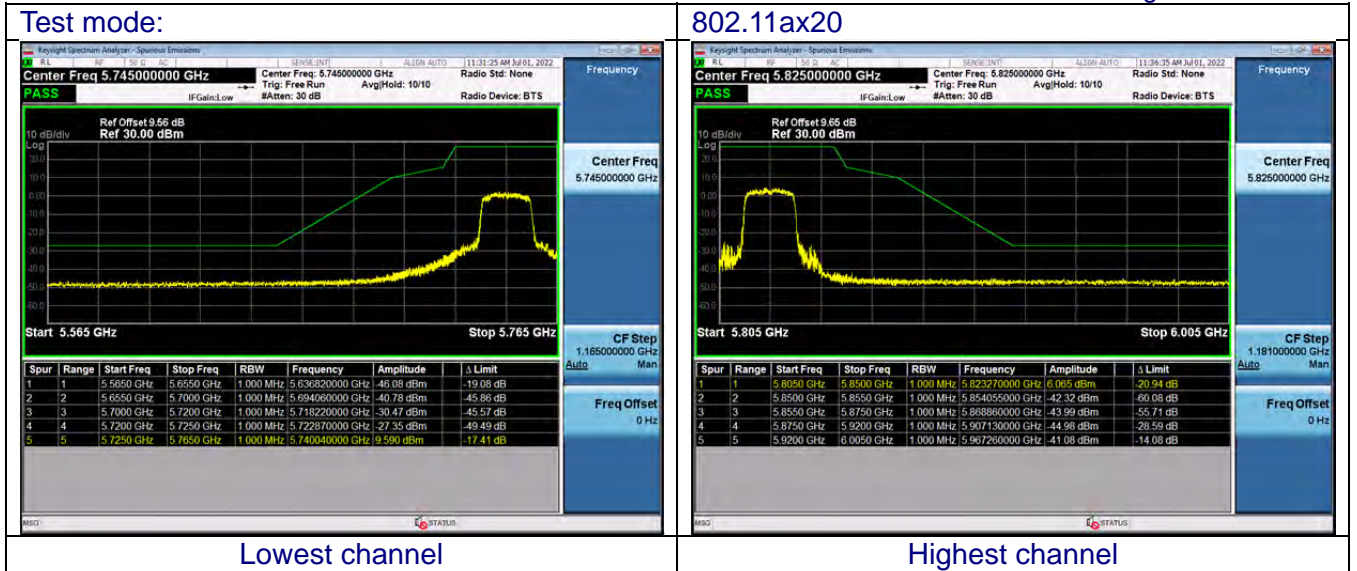
Highest channel



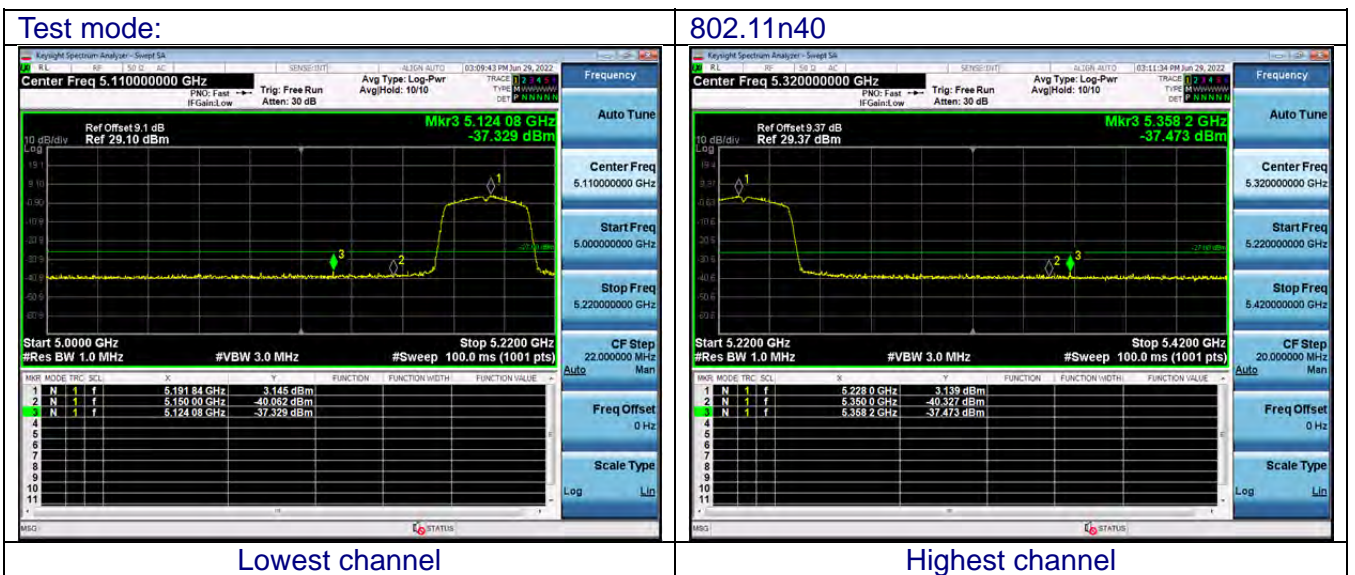
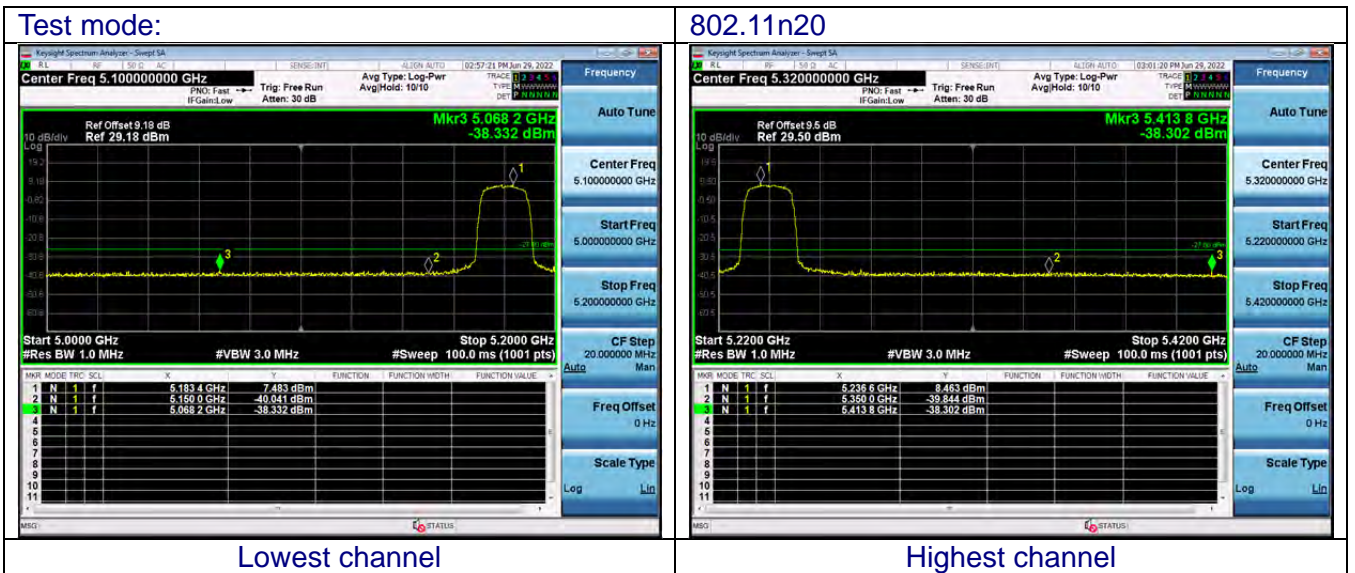
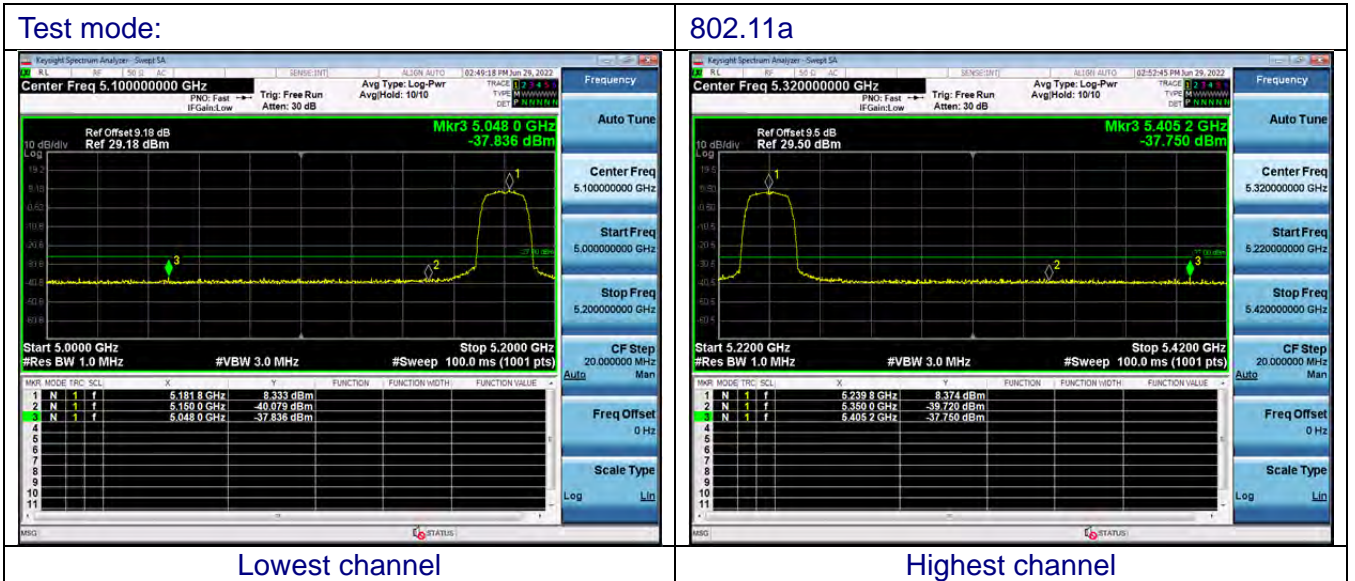
ANT2- U-NII-3

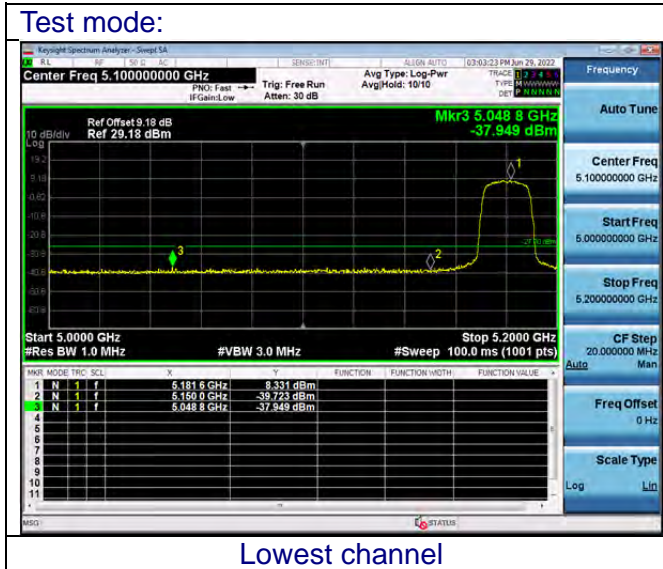




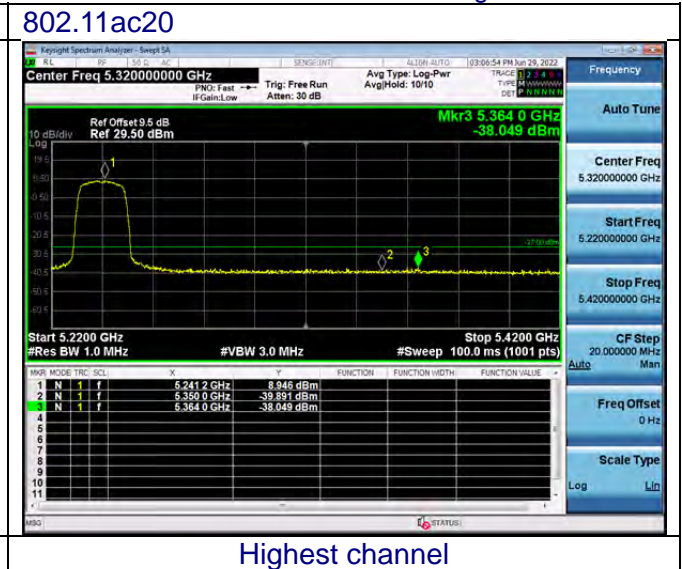


ANT3- U-NII-1

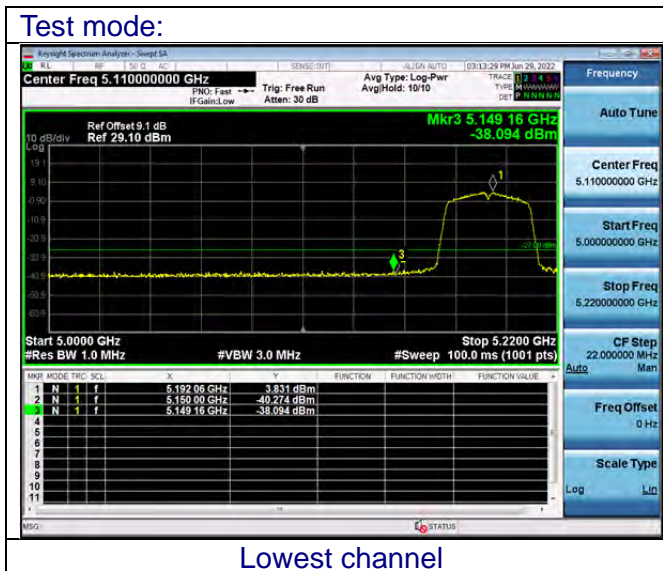




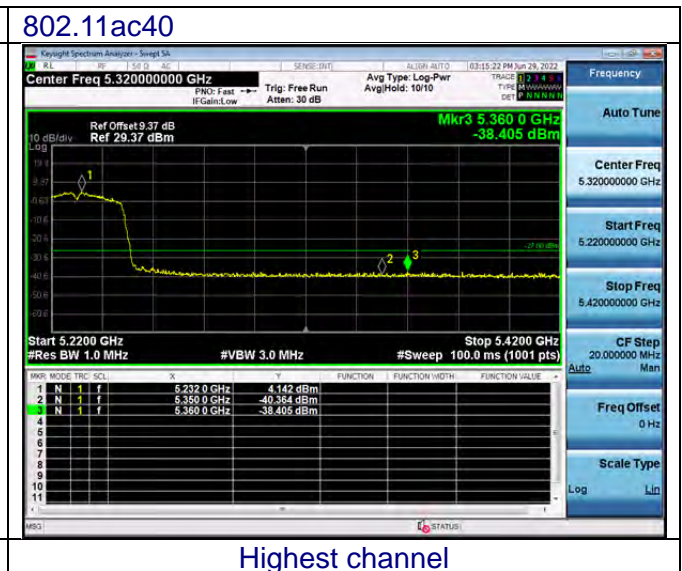
Lowest channel



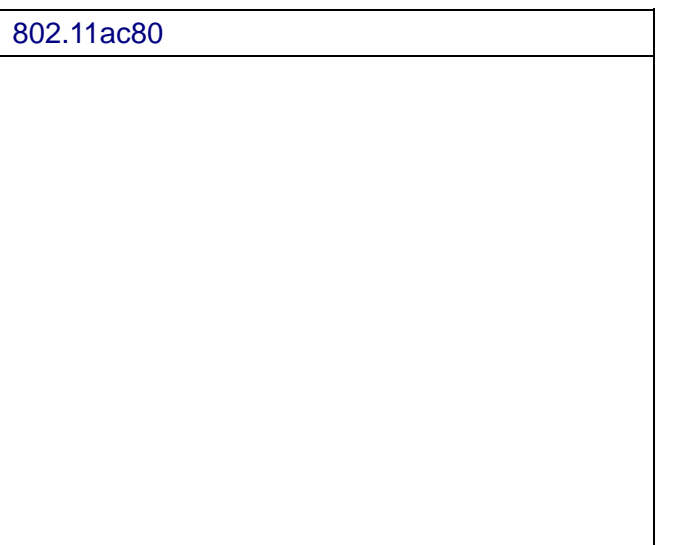
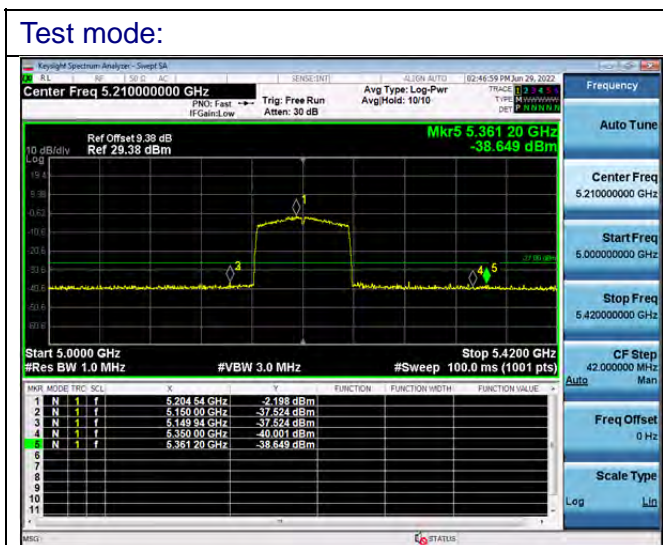
Highest channel

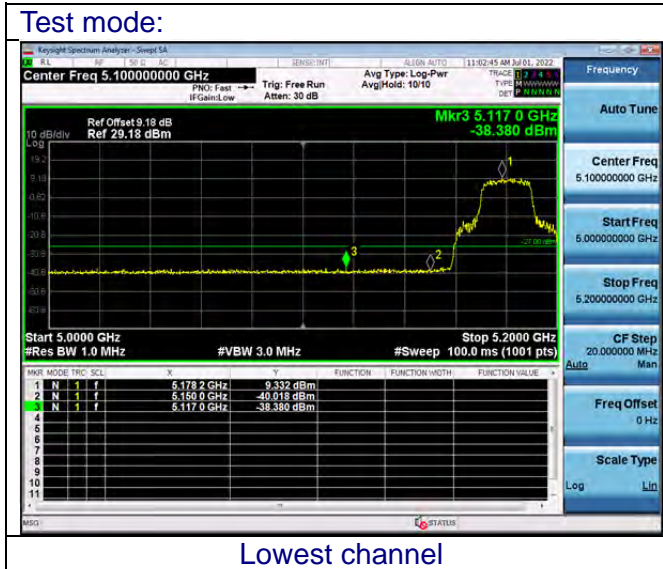


Lowest channel

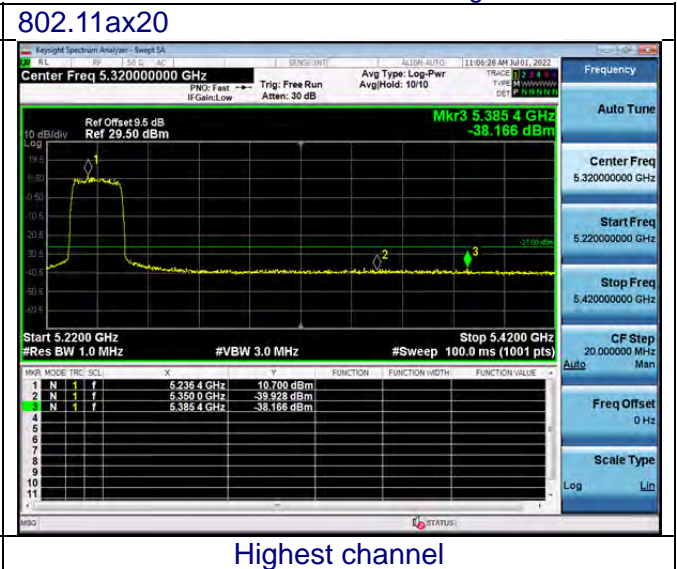


Highest channel

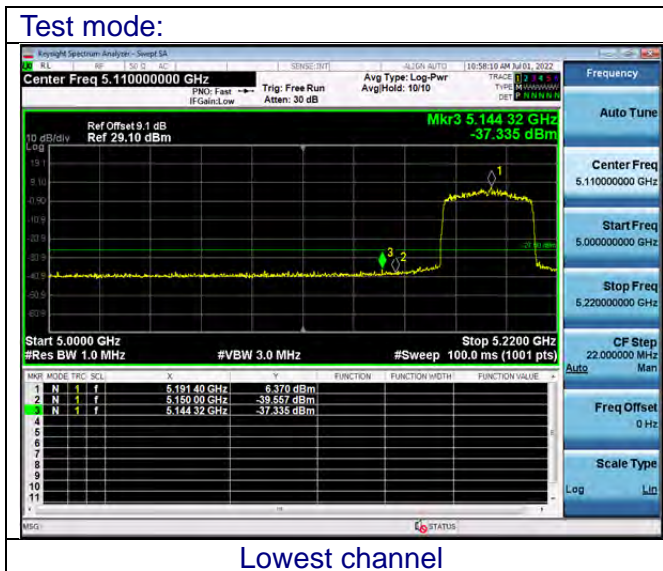




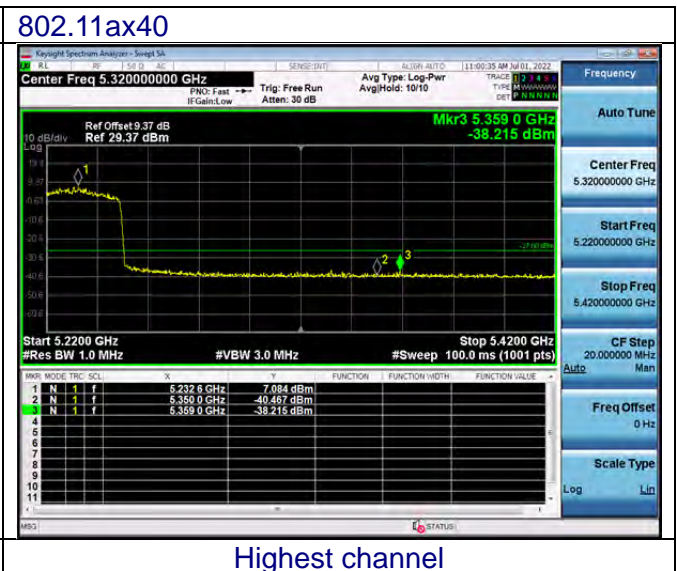
Lowest channel



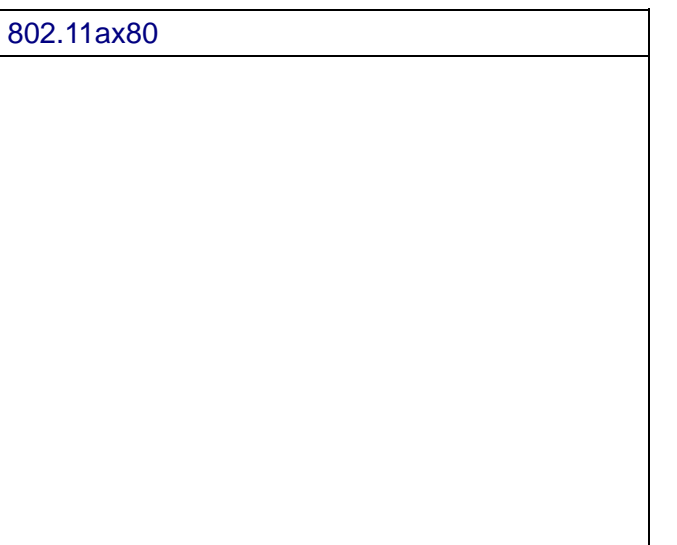
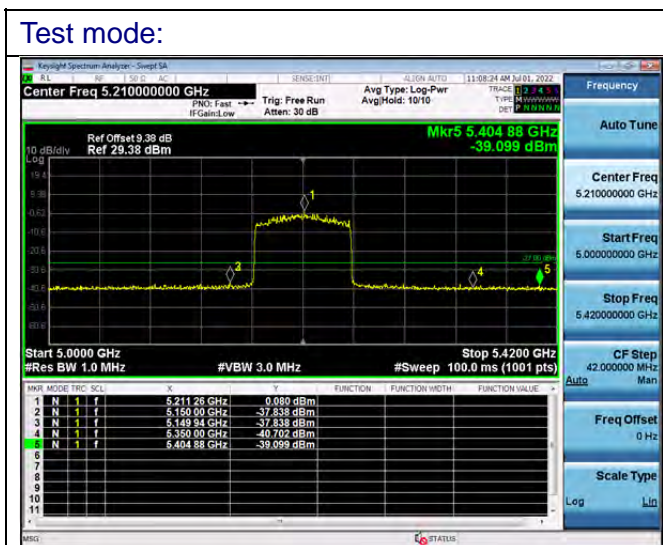
Highest channel



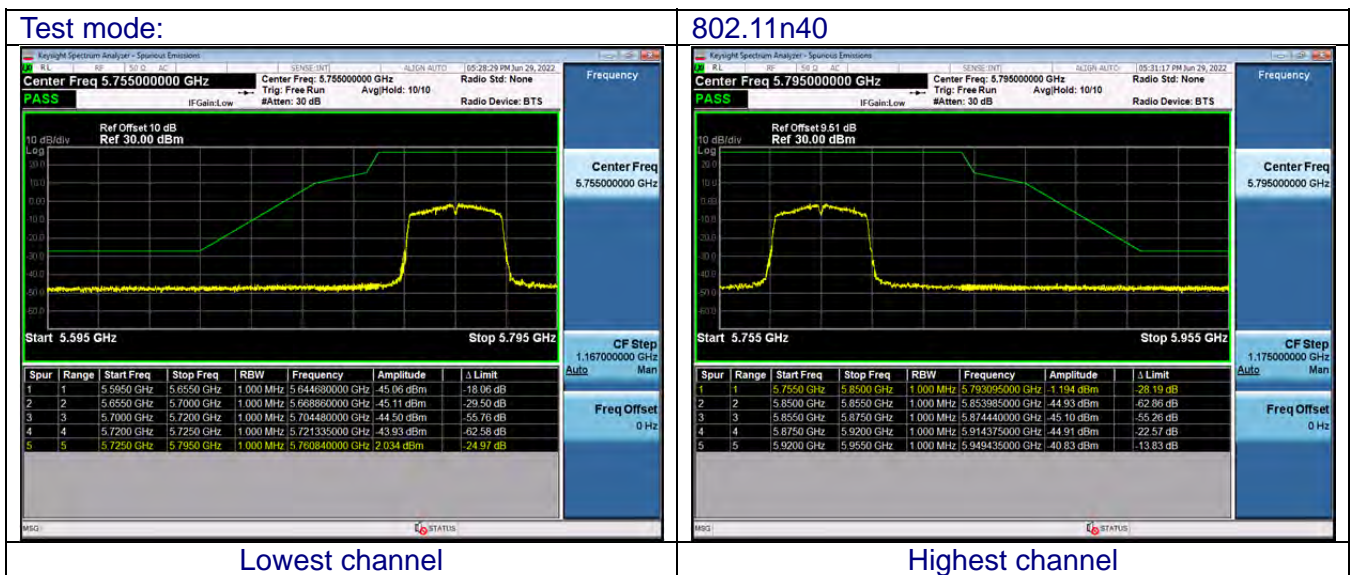
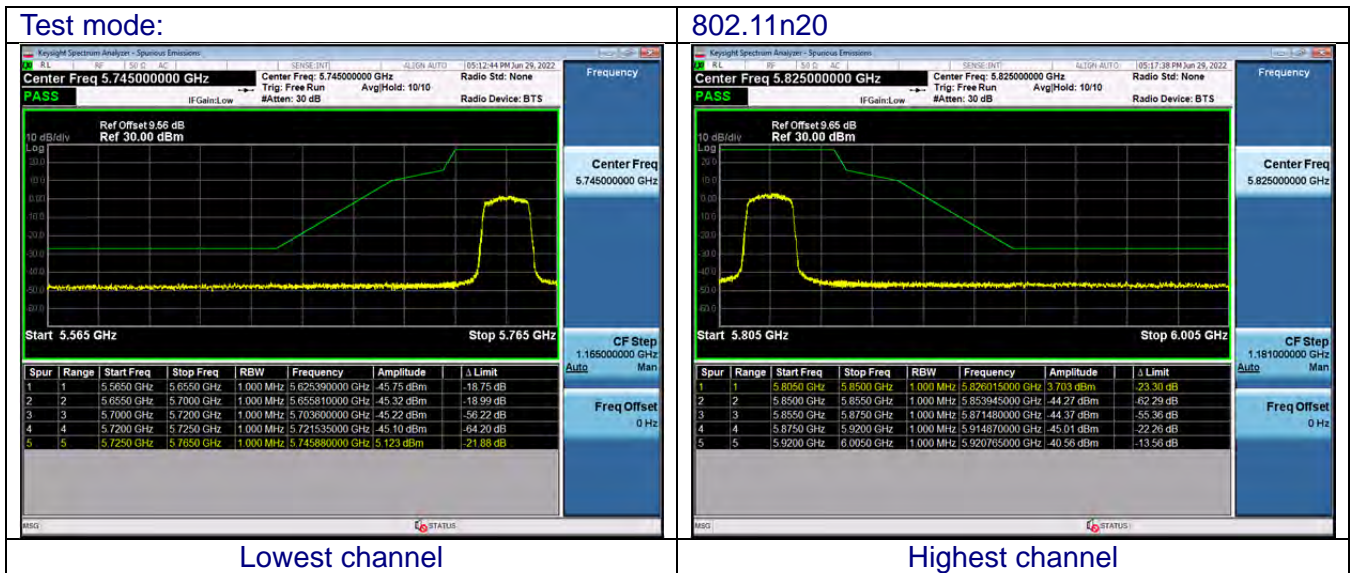
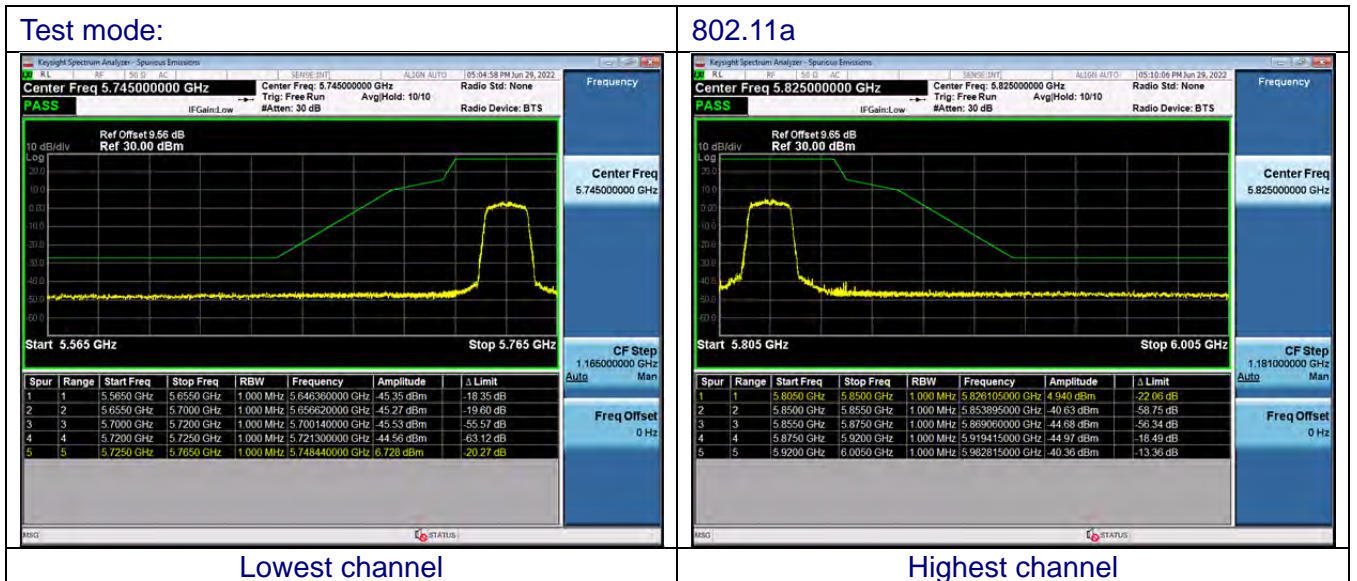
Lowest channel

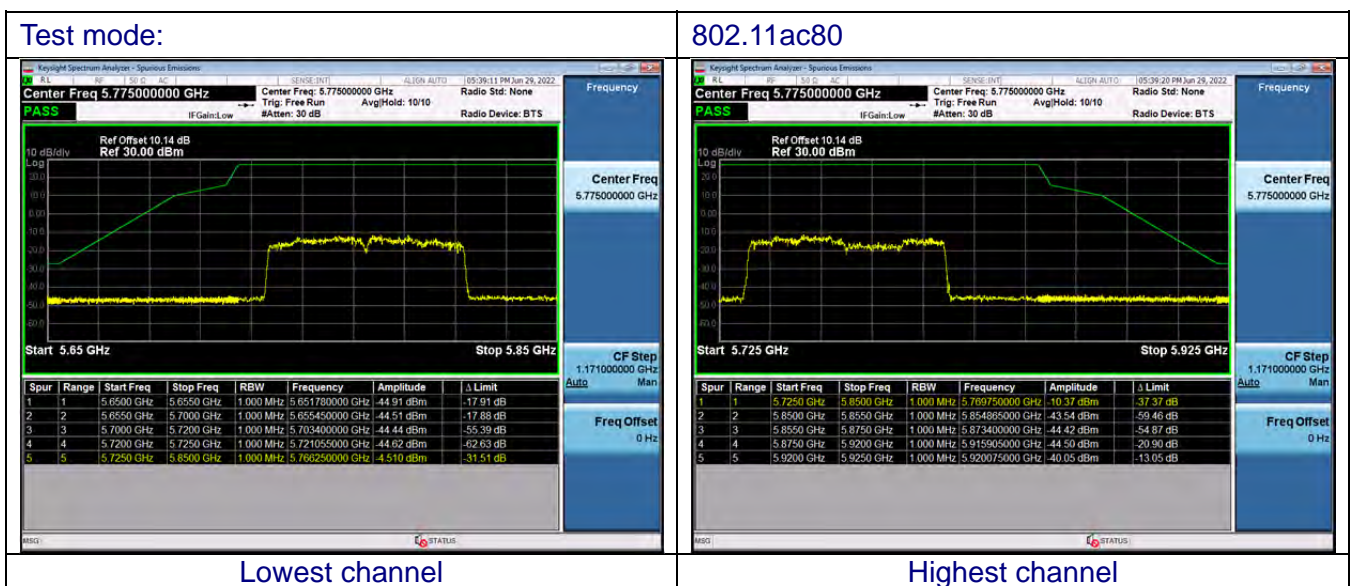
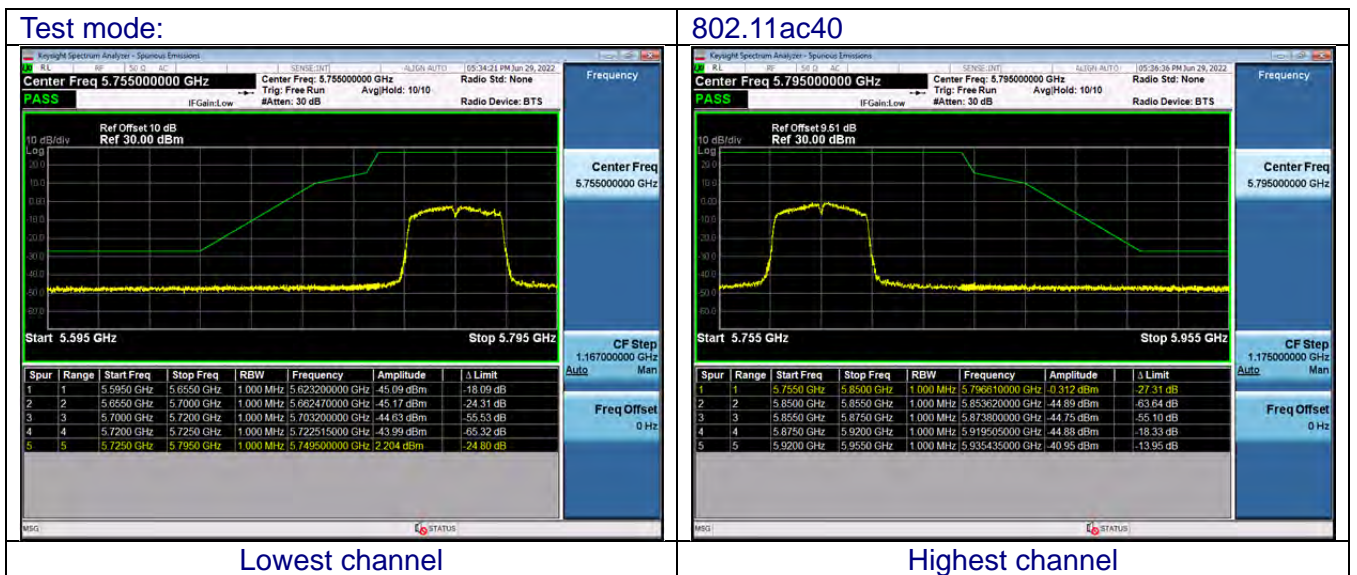
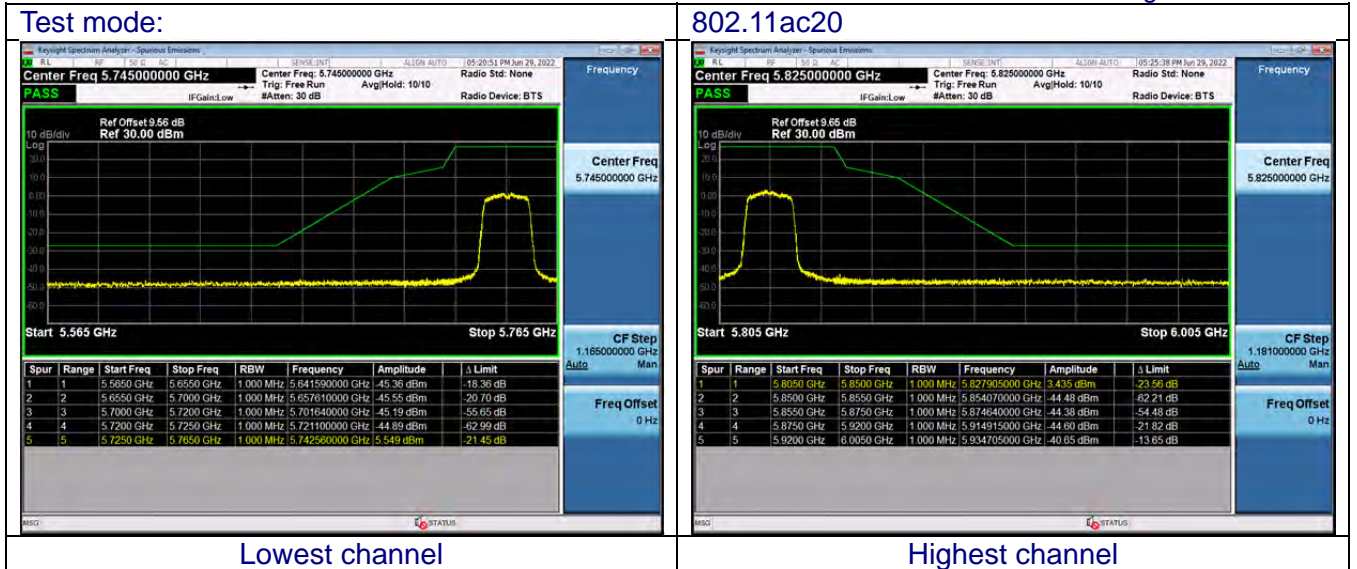


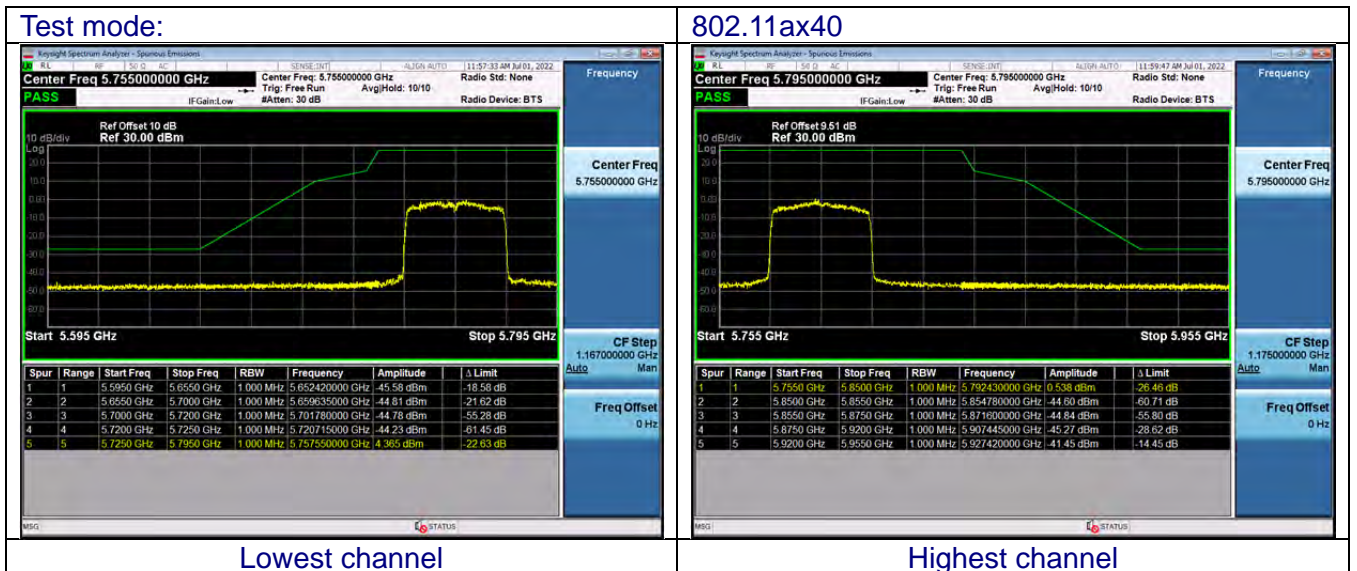
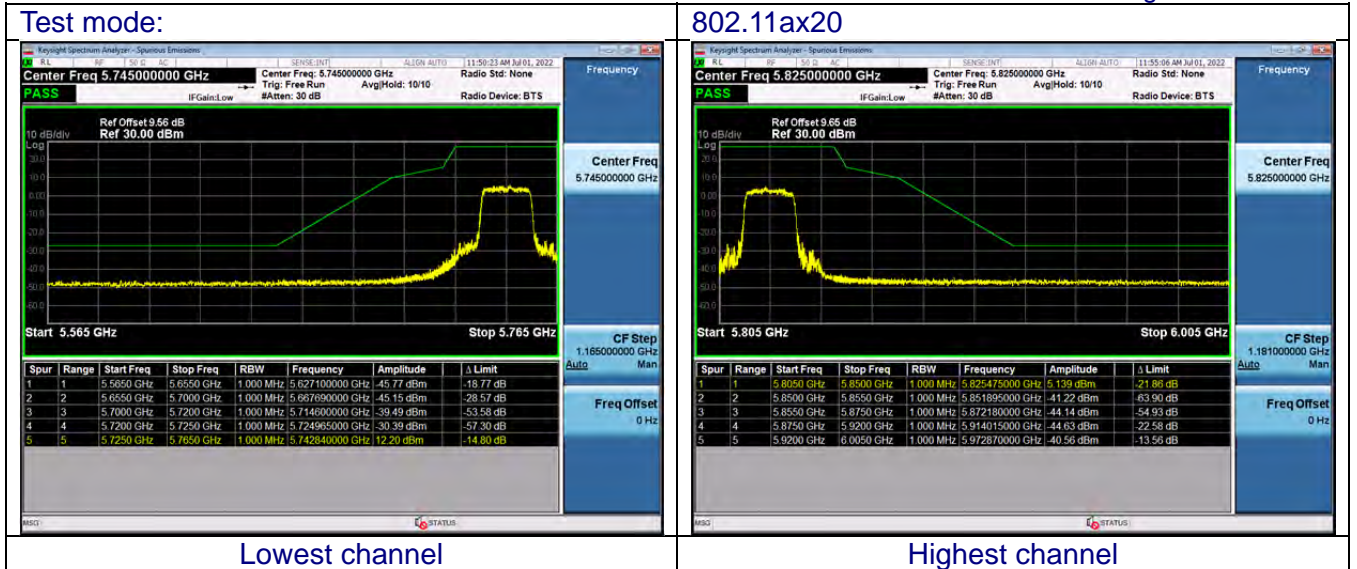
Highest channel



ANT3- U-NII-3







9. FREQUENCY STABILITY MEASUREMENT

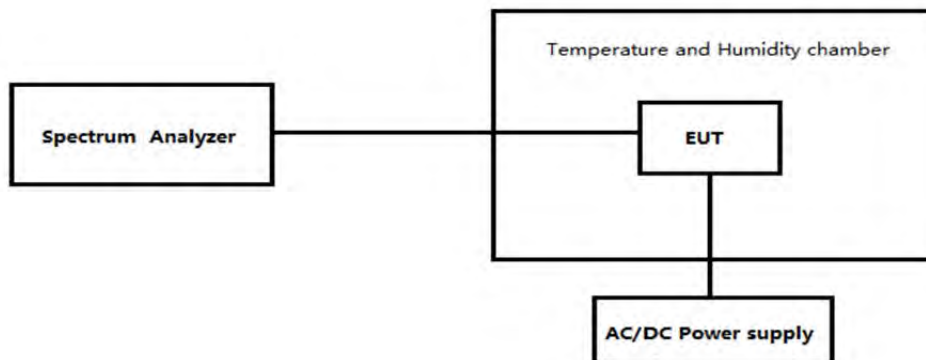
9.1 LIMIT

According to §15.407(g), Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

9.2 TESTPROCEDURE

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

9.3 TESTCONFIGURATION



9.4 TEST RESULT

Temperature :	26°C	Relative Humidity :	54%
Pressure :	101kPa	Test Voltage :	AC120V

Note: Only the test results of the worst channel are displayed

ANT1-802.11a- CH36

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.016	3.086
40	120	0.017	3.275
30	120	0.014	2.623
20	120	0.012	2.349

10	120	0.009	1.800
0	120	0.008	1.583
-10	120	0.013	2.534
-20	120	0.003	0.501
-30	120	0.002	0.351

ANT1-802.11a- CH48

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.010	1.880
40	120	0.005	0.906
30	120	0.015	2.817
20	120	0.000	0.069
10	120	0.015	2.806
0	120	0.013	2.513
-10	120	0.012	2.366
-20	120	0.012	2.372
-30	120	0.003	0.487

ANT1-802.11a- CH149

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.015	2.651
40	120	0.005	0.889
30	120	0.011	1.924
20	120	0.005	0.826
10	120	0.017	2.936
0	120	0.017	2.917
-10	120	0.004	0.649
-20	120	0.017	2.924
-30	120	0.009	1.533

ANT1-802.11a- CH165

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.010	1.733
40	120	0.015	2.660
30	120	0.018	3.080

20	120	0.003	0.577
10	120	0.015	2.550
0	120	0.017	2.895
-10	120	0.009	1.604
-20	120	0.006	0.989
-30	120	0.003	0.595

ANT1-802.11n20- CH36

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.015	2.877
40	120	0.011	2.135
30	120	0.003	0.570
20	120	0.017	3.327
10	120	0.013	2.504
0	120	0.015	2.956
-10	120	0.003	0.539
-20	120	0.005	1.017
-30	120	0.006	1.197

ANT1-802.11n20- CH48

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.002	0.448
40	120	0.016	3.122
30	120	0.016	3.133
20	120	0.003	0.513
10	120	0.012	2.235
0	120	0.003	0.629
-10	120	0.001	0.248
-20	120	0.012	2.333
-30	120	0.017	3.225

ANT1-802.11n20- CH149

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.005	0.871
40	120	0.017	3.006

30	120	0.011	1.981
20	120	0.004	0.777
10	120	0.013	2.216
0	120	0.017	3.006
-10	120	0.006	0.996
-20	120	0.015	2.675
-30	120	0.006	0.973

ANT1-802.11n20- CH165

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.007	1.124
40	120	0.017	2.923
30	120	0.016	2.821
20	120	0.011	1.852
10	120	0.015	2.620
0	120	0.005	0.899
-10	120	0.014	2.475
-20	120	0.018	3.036
-30	120	0.009	1.545

ANT1-802.11n40- CH38

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.012	2.318
40	120	0.008	1.608
30	120	0.001	0.122
20	120	0.002	0.322
10	120	0.014	2.775
0	120	0.016	3.132
-10	120	0.004	0.691
-20	120	0.018	3.435
-30	120	0.002	0.335

ANT1-802.11n40- CH46

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.013	2.546

40	120	0.010	1.896
30	120	0.016	2.977
20	120	0.016	2.980
10	120	0.001	0.125
0	120	0.008	1.601
-10	120	0.008	1.463
-20	120	0.010	1.899
-30	120	0.003	0.649

ANT1-802.11n40- CH151

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.017	2.936
40	120	0.008	1.320
30	120	0.014	2.416
20	120	0.005	0.895
10	120	0.012	2.161
0	120	0.005	0.811
-10	120	0.013	2.216
-20	120	0.002	0.268
-30	120	0.016	2.860

ANT1-802.11n40- CH159

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.006	1.084
40	120	0.017	2.938
30	120	0.010	1.675
20	120	0.011	1.866
10	120	0.017	3.013
0	120	0.007	1.123
-10	120	0.001	0.107
-20	120	0.009	1.572
-30	120	0.011	1.934

ANT1-802.11ac20- CH36

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)

50	120	0.016	3.084
40	120	0.005	0.879
30	120	0.011	2.140
20	120	0.011	2.081
10	120	0.007	1.267
0	120	0.000	0.075
-10	120	0.015	2.866
-20	120	0.016	3.031
-30	120	0.010	1.929

ANT1-802.11ac20- CH48

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.016	3.093
40	120	0.016	3.012
30	120	0.004	0.836
20	120	0.013	2.547
10	120	0.002	0.333
0	120	0.006	1.143
-10	120	0.014	2.693
-20	120	0.007	1.422
-30	120	0.012	2.224

ANT1-802.11ac20- CH149

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.017	2.916
40	120	0.017	3.032
30	120	0.014	2.493
20	120	0.002	0.340
10	120	0.016	2.860
0	120	0.002	0.279
-10	120	0.014	2.442
-20	120	0.016	2.840
-30	120	0.002	0.376

ANT1-802.11ac20- CH165

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed
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		MCF	(ppm)
50	120	0.003	0.529
40	120	0.003	0.497
30	120	0.006	1.027
20	120	0.017	2.876
10	120	0.014	2.337
0	120	0.014	2.489
-10	120	0.007	1.141
-20	120	0.000	0.036
-30	120	0.010	1.759

ANT1-802.11ac40- CH38

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.002	0.299
40	120	0.005	0.876
30	120	0.013	2.497
20	120	0.011	2.180
10	120	0.009	1.699
0	120	0.007	1.377
-10	120	0.016	3.178
-20	120	0.013	2.587
-30	120	0.009	1.702

ANT1-802.11ac40- CH46

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.006	1.142
40	120	0.001	0.265
30	120	0.005	1.029
20	120	0.008	1.555
10	120	0.008	1.467
0	120	0.011	2.111
-10	120	0.006	1.207
-20	120	0.005	0.865
-30	120	0.003	0.500

ANT1-802.11ac40- CH151

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.017	2.873
40	120	0.008	1.439
30	120	0.004	0.713
20	120	0.018	3.111
10	120	0.001	0.116
0	120	0.016	2.853
-10	120	0.013	2.173
-20	120	0.001	0.096
-30	120	0.007	1.222

ANT1-802.11ac40- CH159

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.003	0.512
40	120	0.011	1.965
30	120	0.009	1.563
20	120	0.010	1.667
10	120	0.002	0.395
0	120	0.005	0.825
-10	120	0.006	1.116
-20	120	0.012	2.082
-30	120	0.010	1.720

ANT1-802.11ac80- CH42

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.005	0.946
40	120	0.017	3.314
30	120	0.008	1.447
20	120	0.001	0.190
10	120	0.005	0.994
0	120	0.012	2.385
-10	120	0.002	0.354
-20	120	0.012	2.318
-30	120	0.009	1.735

ANT1-802.11ac80- CH155

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.013	2.190
40	120	0.007	1.213
30	120	0.006	1.035
20	120	0.015	2.612
10	120	0.017	3.011
0	120	0.005	0.915
-10	120	0.004	0.756
-20	120	0.012	2.095
-30	120	0.007	1.134

ANT1-802.11ax20- CH36

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.008	1.525
40	120	0.007	1.437
30	120	0.008	1.587
20	120	0.015	2.820
10	120	0.018	3.412
0	120	0.006	1.120
-10	120	0.017	3.240
-20	120	0.005	0.993
-30	120	0.004	0.747

ANT1-802.11ax20- CH48

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.010	1.866
40	120	0.001	0.150
30	120	0.002	0.303
20	120	0.002	0.406
10	120	0.007	1.389
0	120	0.010	1.879
-10	120	0.002	0.428
-20	120	0.015	2.939
-30	120	0.001	0.264

ANT1-802.11ax20- CH149

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.005	0.818
40	120	0.007	1.228
30	120	0.006	0.995
20	120	0.008	1.400
10	120	0.015	2.563
0	120	0.017	3.035
-10	120	0.004	0.701
-20	120	0.014	2.521
-30	120	0.003	0.470

ANT1-802.11ax20- CH165

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.010	1.755
40	120	0.001	0.124
30	120	0.017	2.945
20	120	0.013	2.297
10	120	0.018	3.017
0	120	0.005	0.805
-10	120	0.012	2.139
-20	120	0.010	1.734
-30	120	0.009	1.497

ANT1-802.11ax40- CH38

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.012	2.299
40	120	0.011	2.195
30	120	0.010	1.833
20	120	0.011	2.085
10	120	0.011	2.169
0	120	0.005	1.056
-10	120	0.002	0.343
-20	120	0.001	0.226
-30	120	0.016	3.041

ANT1-802.11ax40- CH46

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.016	3.060
40	120	0.014	2.659
30	120	0.012	2.207
20	120	0.006	1.115
10	120	0.013	2.409
0	120	0.017	3.294
-10	120	0.008	1.589
-20	120	0.016	3.075
-30	120	0.008	1.612

ANT1-802.11ax40- CH151

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.011	1.973
40	120	0.005	0.856
30	120	0.002	0.392
20	120	0.009	1.502
10	120	0.011	1.905
0	120	0.011	1.979
-10	120	0.001	0.219
-20	120	0.009	1.595
-30	120	0.003	0.581

ANT1-802.11ax40- CH159

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.002	0.398
40	120	0.016	2.690
30	120	0.016	2.798
20	120	0.004	0.749
10	120	0.012	2.034
0	120	0.007	1.286
-10	120	0.003	0.474
-20	120	0.003	0.527
-30	120	0.004	0.607


ANT1-802.11ax80- CH42

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.004	0.717
40	120	0.002	0.426
30	120	0.010	1.999
20	120	0.002	0.361
10	120	0.007	1.369
0	120	0.011	2.015
-10	120	0.014	2.676
-20	120	0.017	3.353
-30	120	0.016	3.039

ANT1-802.11ax80- CH155

Temperature (°C)	Voltage (AC:V)	Frequency Measure with time Elapsed	
		MCF	(ppm)
50	120	0.015	2.655
40	120	0.014	2.375
30	120	0.002	0.391
20	120	0.014	2.483
10	120	0.012	2.000
0	120	0.000	0.073
-10	120	0.007	1.269
-20	120	0.007	1.265
-30	120	0.018	3.062

10.ANTENNA REQUIREMENT

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
<p>For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247, if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.</p> <p>Refer to statement below for compliance.</p> <p>The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.</p> <p>Antenna Connected Construction</p> <p>The antenna used in this product is a internal antenna, and the best case gain of the antenna is antenna port 1:5dBi and Antenna port 2:5dBi, Antenna port 3:5dBi,</p>	
<p>EUT Antenna:</p> 	

10. TEST SETUP PHOTO

Reference to the test setup file for details.

11. EUT CONSTRUCTIONAL DETAILS

Reference to the external photos file and internal photos file for details.

******* END OF REPORT *******