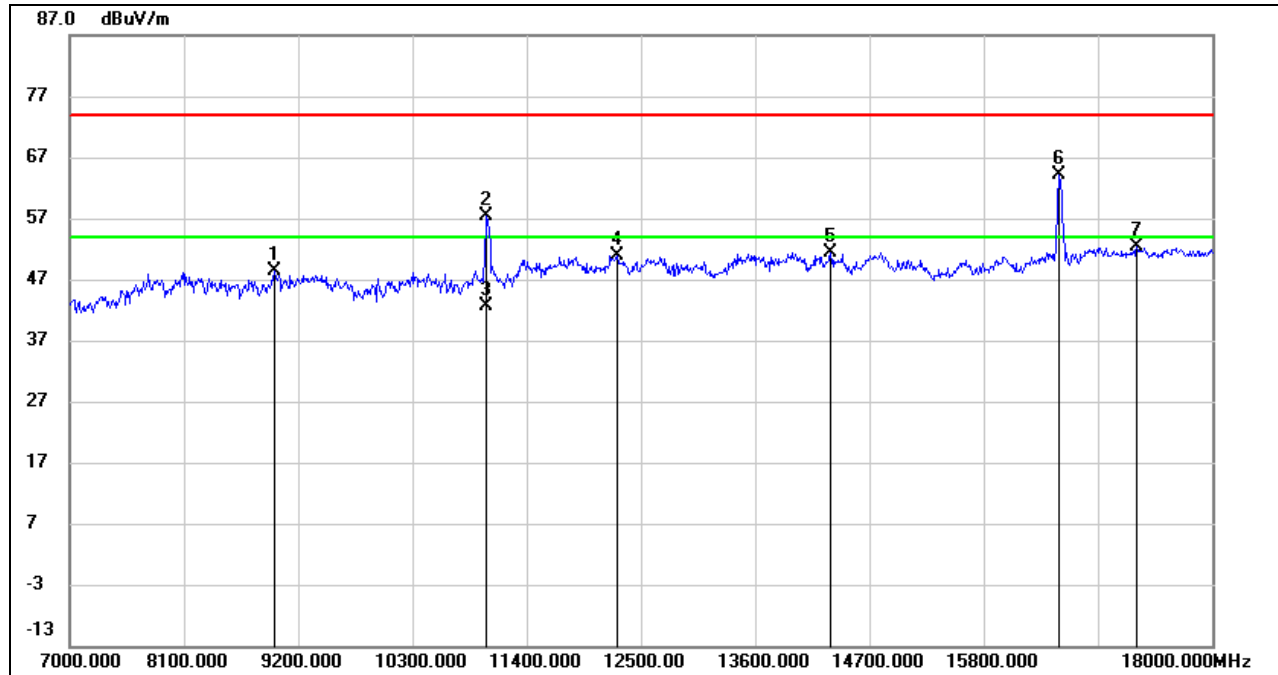


HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

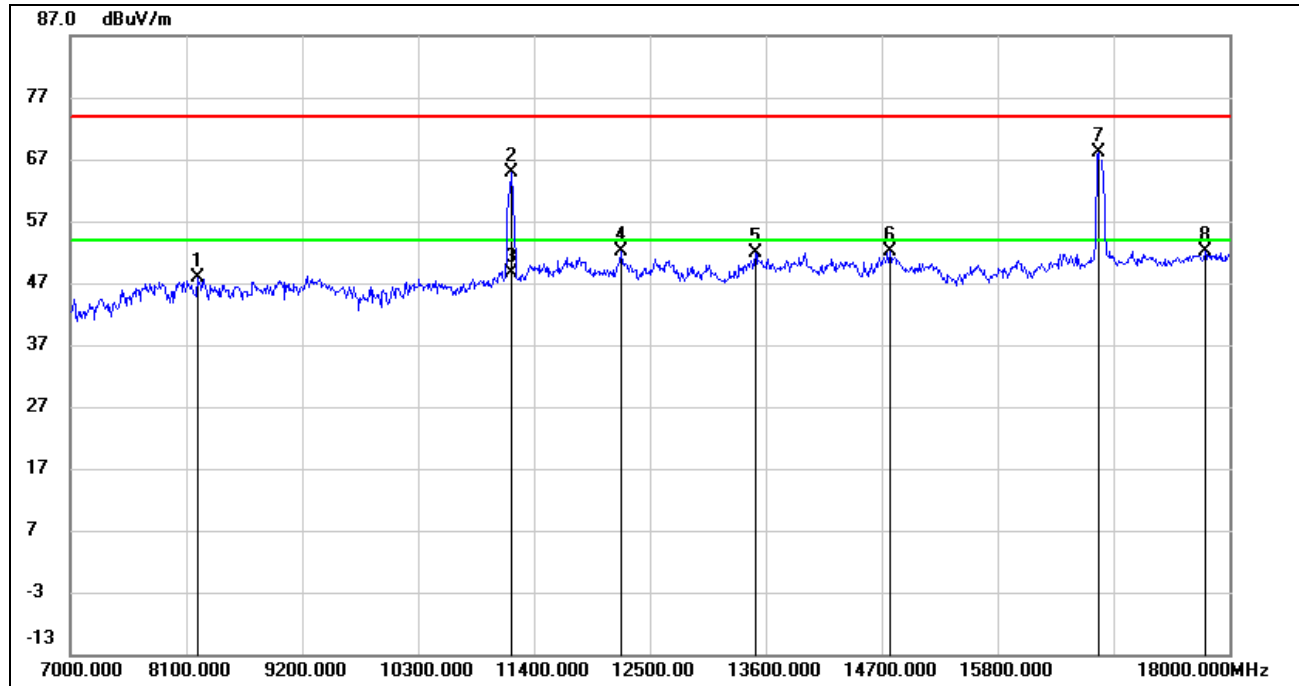


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8969.000	37.64	10.69	48.33	74.00	-25.67	peak
2	11015.000	43.98	13.38	57.36	74.00	-16.64	peak
3	11015.000	29.14	13.38	42.52	54.00	-11.48	AVG
4	12269.000	34.85	16.04	50.89	74.00	-23.11	peak
5	14326.000	33.51	17.93	51.44	74.00	-22.56	peak
6	16526.000	44.45	19.77	64.22	68.2	-3.98	peak
7	17274.000	29.97	22.45	52.42	74.00	-21.58	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

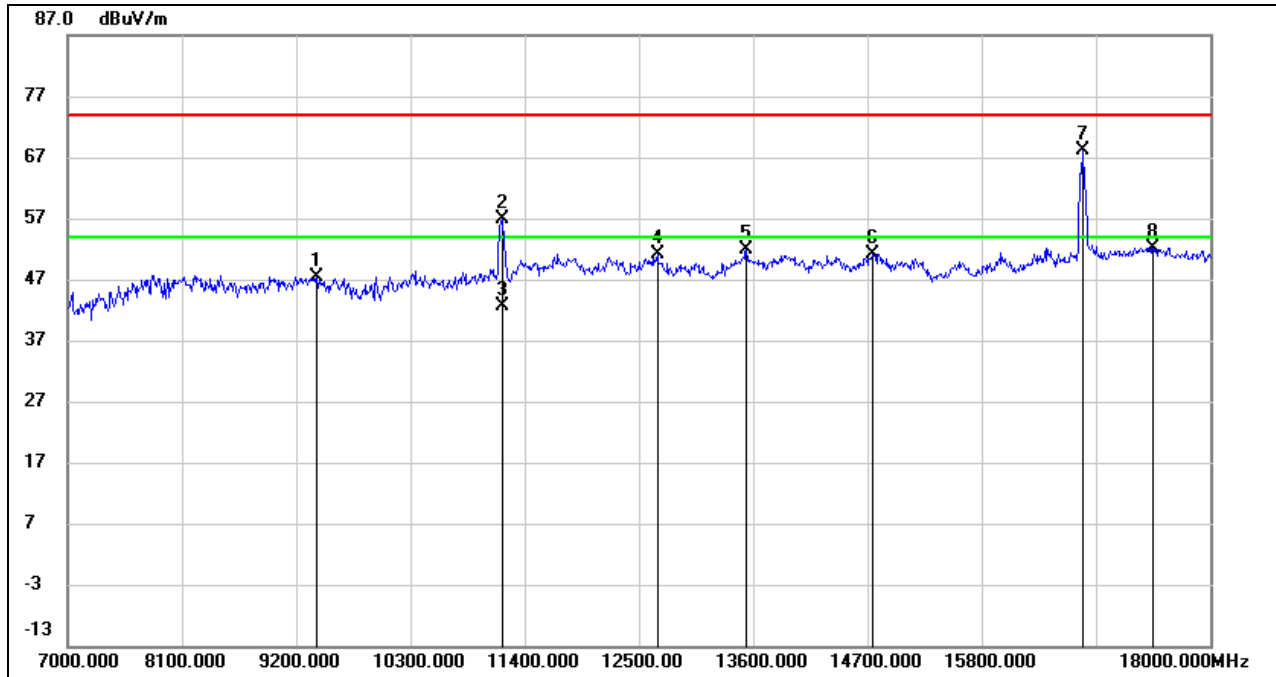


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8210.000	37.96	9.80	47.76	74.00	-26.24	peak
2	11191.000	51.21	13.78	64.99	74.00	-9.01	peak
3	11191.000	34.90	13.78	48.68	54.00	-5.32	AVG
4	12225.000	36.05	15.99	52.04	74.00	-21.96	peak
5	13501.000	34.59	17.22	51.81	74.00	-22.19	peak
6	14777.000	34.16	17.96	52.12	74.00	-21.88	peak
7	16757.000	49.81	20.39	67.13	68.2	-1.07	peak
8	17769.000	28.16	23.87	52.03	74.00	-21.97	peak

Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. AVG: $VBW=1/Ton$, where: Ton is the transmitting duration.
 5. For the transmitting duration, please refer to clause 7.1.
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



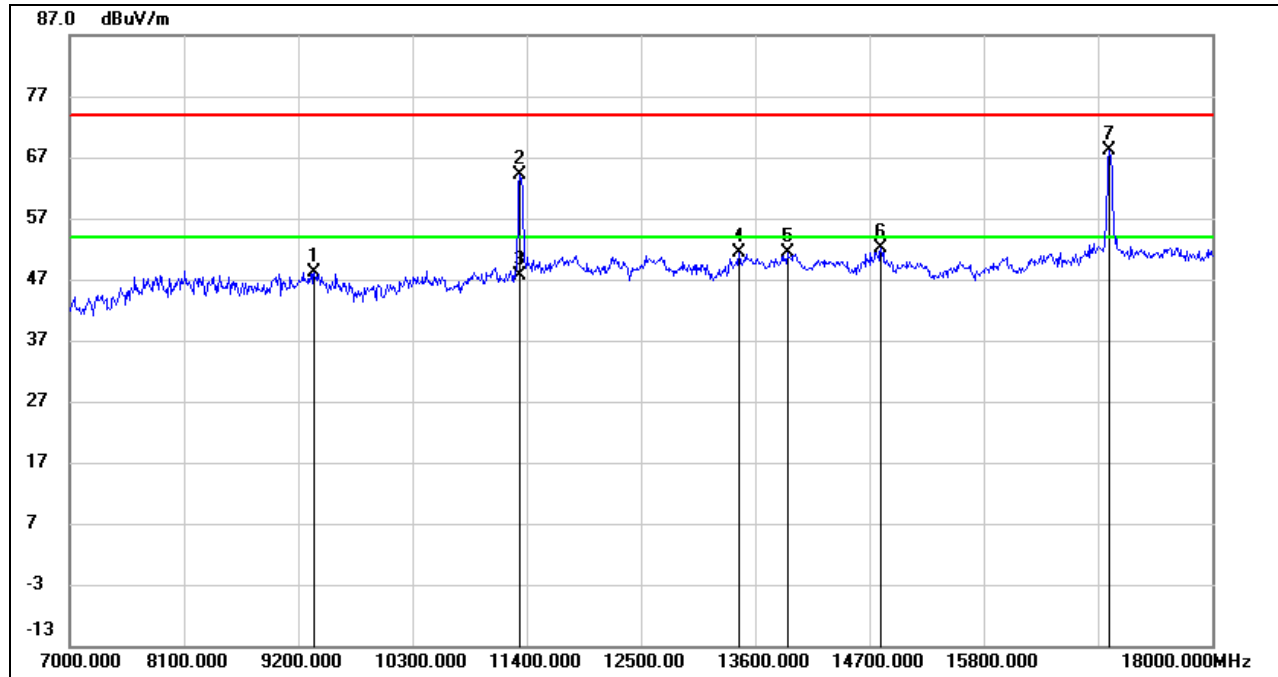
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9398.000	36.48	10.96	47.44	74.00	-26.56	peak
2	11191.000	43.08	13.78	56.86	74.00	-17.14	peak
3	11191.000	28.73	13.78	42.51	54.00	-11.49	AVG
4	12676.000	35.42	15.66	51.08	74.00	-22.92	peak
5	13534.000	34.66	17.18	51.84	74.00	-22.16	peak
6	14755.000	33.35	17.88	51.23	74.00	-22.77	peak
7	16768.000	47.59	20.47	67.23	68.2	-0.97	peak
8	17450.000	30.23	21.95	52.18	74.00	-21.82	peak

Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

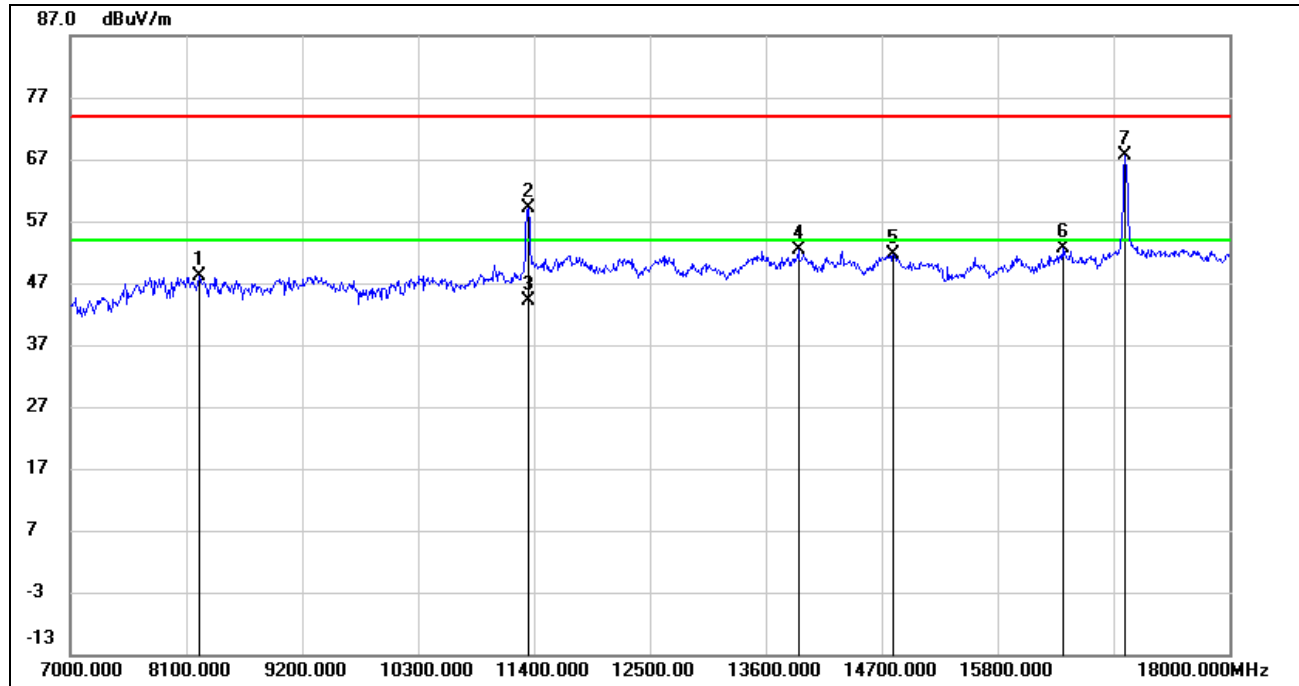


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9354.000	37.38	10.70	48.08	74.00	-25.92	peak
2	11334.000	49.91	14.15	64.06	74.00	-9.94	peak
3	11334.000	33.54	14.15	47.69	54.00	-6.31	AVG
4	13446.000	34.25	17.12	51.37	74.00	-22.63	peak
5	13908.000	33.90	17.54	51.44	74.00	-22.56	peak
6	14810.000	34.06	17.97	52.03	74.00	-21.97	peak
7	17010.000	46.75	21.31	67.21	68.2	-0.99	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. AVG: $VBW=1/Ton$, where: Ton is the transmitting duration.
 5. For the transmitting duration, please refer to clause 7.1.
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

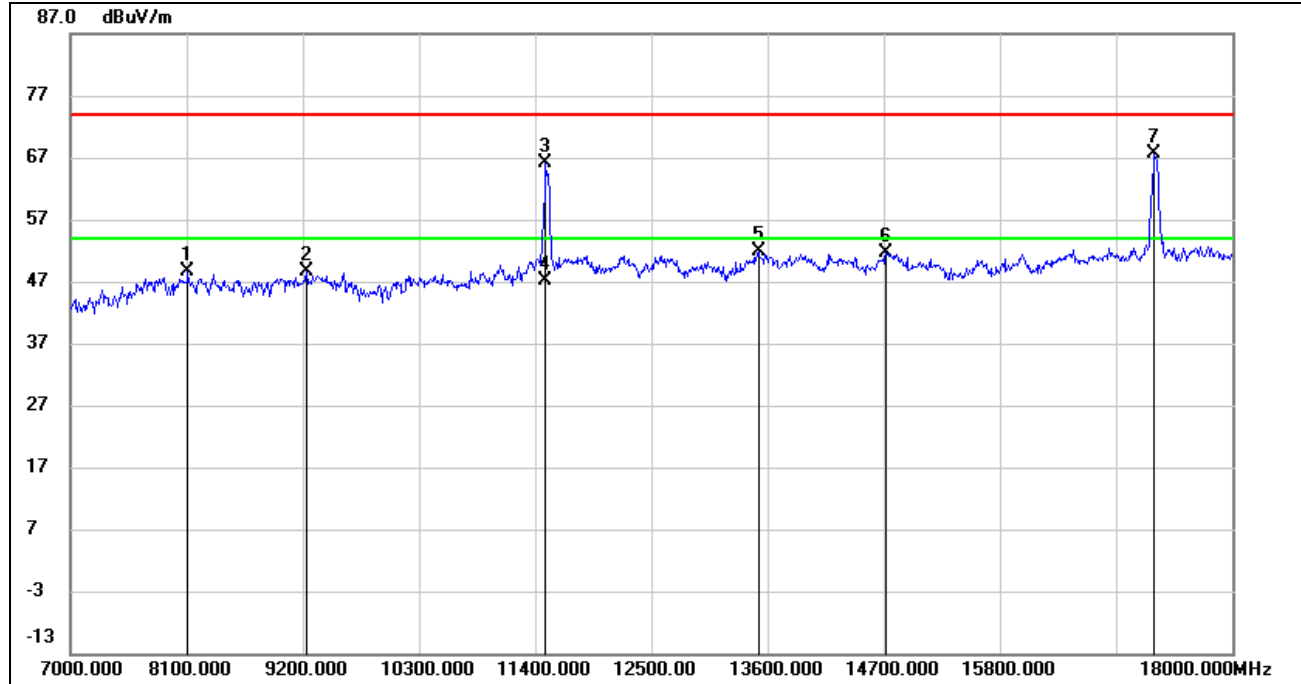


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8221.000	38.26	9.79	48.05	74.00	-25.95	peak
2	11345.000	44.77	14.26	59.03	74.00	-14.97	peak
3	11345.000	29.77	14.26	44.03	54.00	-9.97	AVG
4	13908.000	34.76	17.54	52.30	74.00	-21.70	peak
5	14810.000	33.72	17.97	51.69	74.00	-22.31	peak
6	16416.000	32.91	19.68	52.59	74.00	-21.41	peak
7	17010.000	47.04	21.31	67.15	68.2	-1.05	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

UNII-3 BAND

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

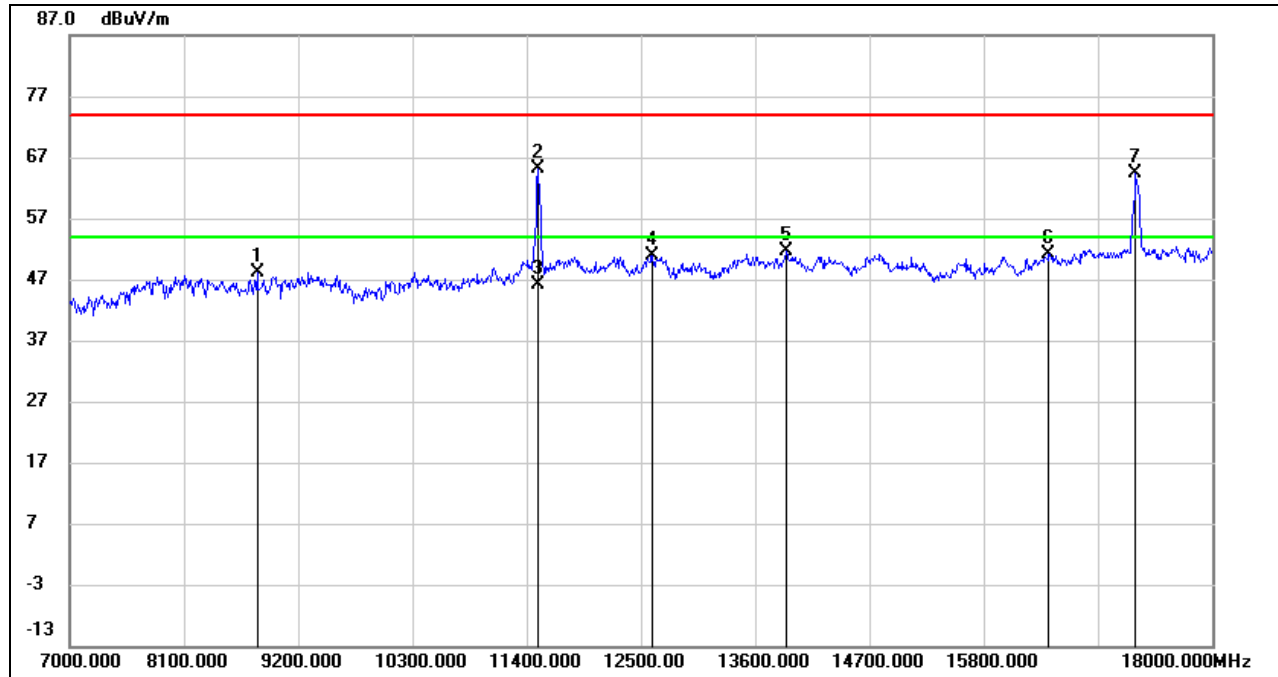


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8111.000	38.45	10.14	48.59	74.00	-25.41	peak
2	9233.000	38.65	10.08	48.73	74.00	-25.27	peak
3	11499.000	51.36	14.65	66.01	74.00	-7.99	peak
4	11499.000	32.54	14.65	47.19	54.00	-6.81	AVG
5	13512.000	34.60	17.20	51.80	74.00	-22.20	peak
6	14722.000	33.81	17.77	51.58	74.00	-22.42	peak
7	17263.000	46.03	22.38	67.12	68.2	-1.08	peak

Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

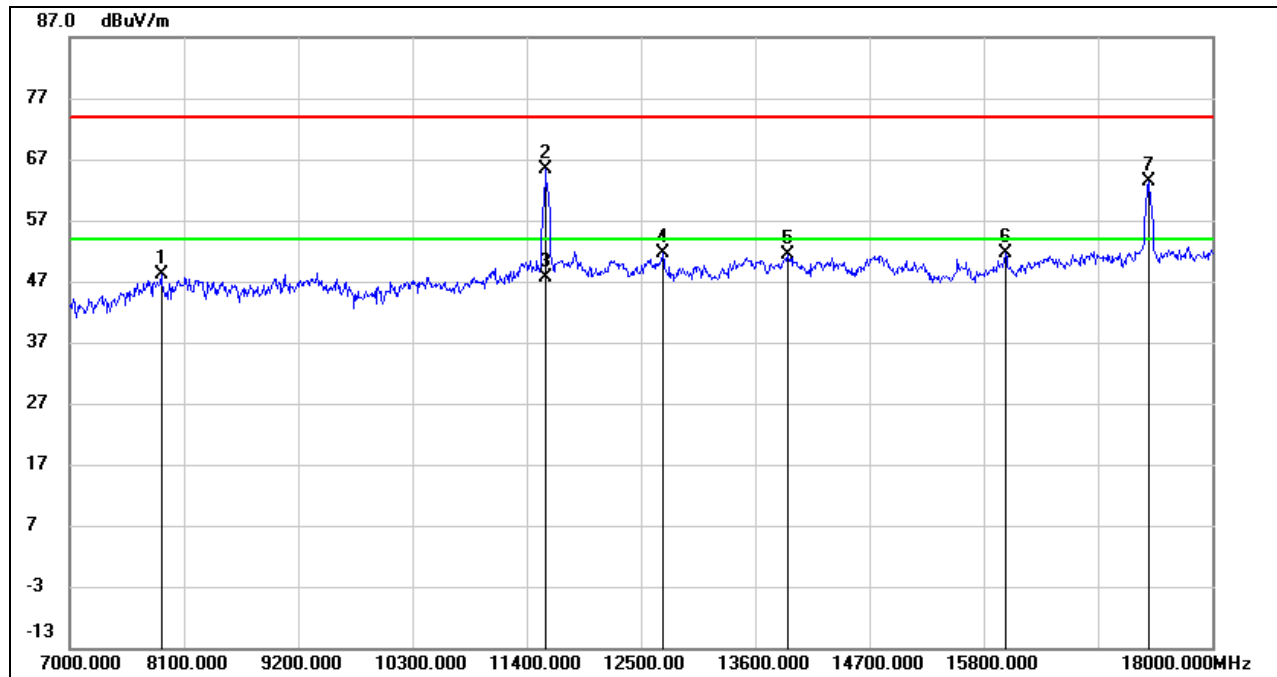


HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8804.000	38.79	9.25	48.04	74.00	-25.96	peak
2	11510.000	50.38	14.66	65.04	74.00	-8.96	peak
3	11510.000	31.45	14.66	46.11	54.00	-7.89	AVG
4	12610.000	35.20	15.76	50.96	74.00	-23.04	peak
5	13897.000	34.17	17.52	51.69	74.00	-22.31	peak
6	16427.000	31.56	19.68	51.24	74.00	-22.76	peak
7	17263.000	42.08	22.38	64.46	68.2	-3.74	peak

Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7880.000	39.23	8.95	48.18	74.00	-25.82	peak
2	11576.000	50.77	14.71	65.48	74.00	-8.52	peak
3	11576.000	32.86	14.71	47.57	54.00	-6.43	AVG
4	12709.000	35.87	15.66	51.53	74.00	-22.47	peak
5	13908.000	33.76	17.54	51.30	74.00	-22.70	peak
6	16009.000	33.14	18.41	51.55	74.00	-22.45	peak
7	17384.000	41.46	21.99	63.45	68.2	-4.75	peak

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

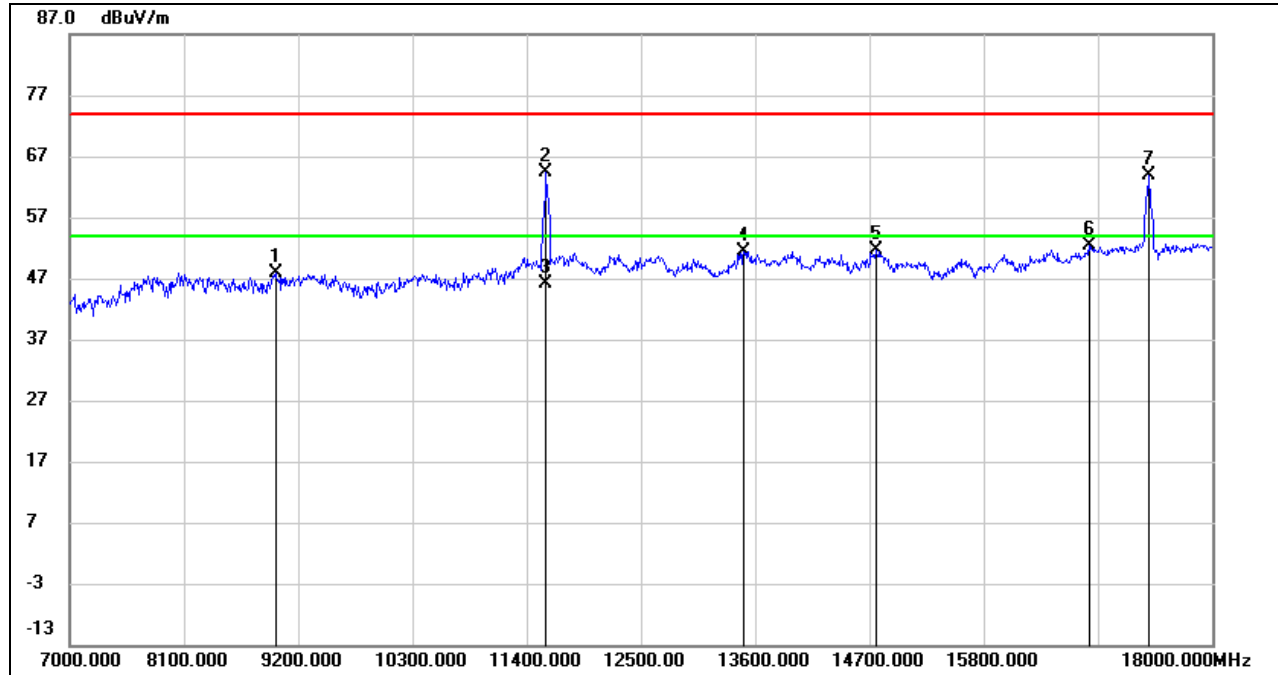
3. Peak: Peak detector.

4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8980.000	37.05	10.89	47.94	74.00	-26.06	peak
2	11587.000	49.61	14.72	64.33	74.00	-9.67	peak
3	11587.000	31.48	14.72	46.20	54.00	-7.80	AVG
4	13490.000	34.29	17.20	51.49	74.00	-22.51	peak
5	14766.000	33.67	17.92	51.59	74.00	-22.41	peak
6	16812.000	31.68	20.81	52.49	74.00	-21.51	peak
7	17395.000	41.87	21.91	63.78	68.2	-4.42	peak

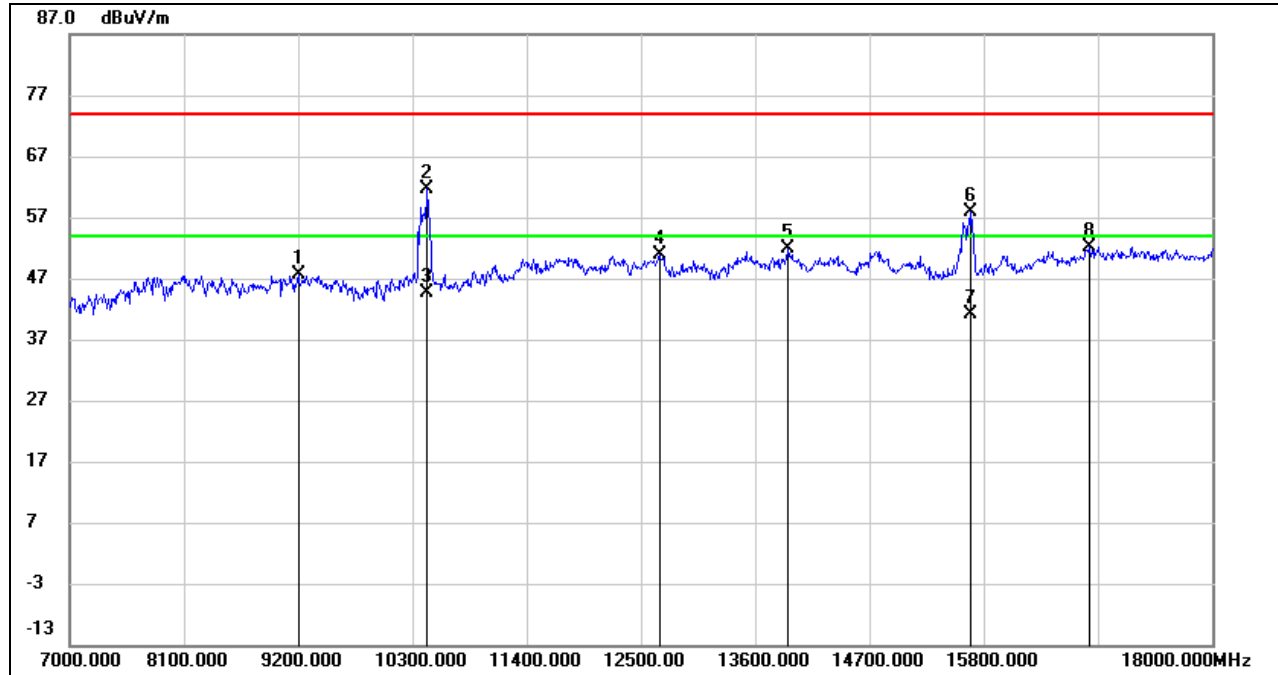
Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



8.3.4. 802.11ac VHT80 CDD 4TX MODE

UNII-1 BAND

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

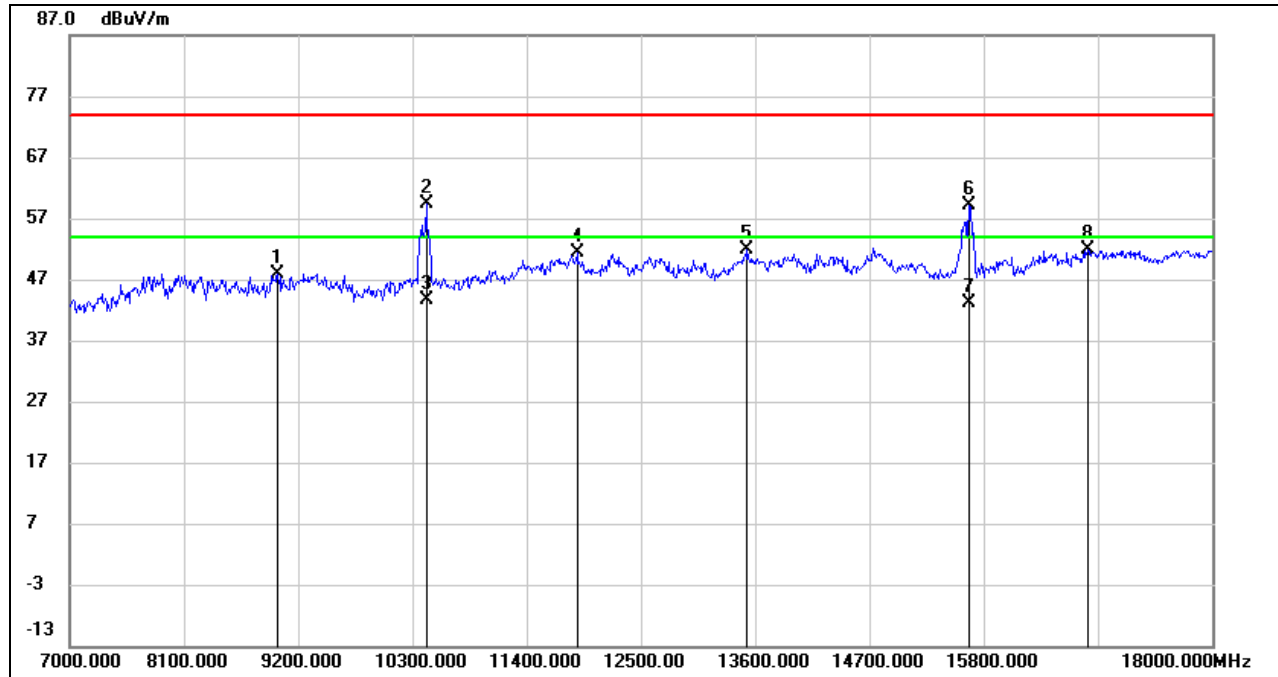


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9200.000	37.79	9.91	47.70	74.00	-26.30	peak
2	10443.000	49.44	12.29	61.73	68.2	-6.47	peak
3	10443.000	32.22	12.29	44.51	/	/	AVG
4	12676.000	35.14	15.66	50.80	74.00	-23.20	peak
5	13919.000	34.29	17.55	51.84	74.00	-22.16	peak
6	15679.000	39.96	17.80	57.76	74.00	-16.24	peak
7	15679.000	23.36	17.80	41.16	54.00	-12.84	AVG
8	16823.000	31.18	20.91	52.09	74.00	-21.91	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. AVG: $VBW=1/Ton$, where: Ton is the transmitting duration.
 5. For the transmitting duration, please refer to clause 7.1.
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

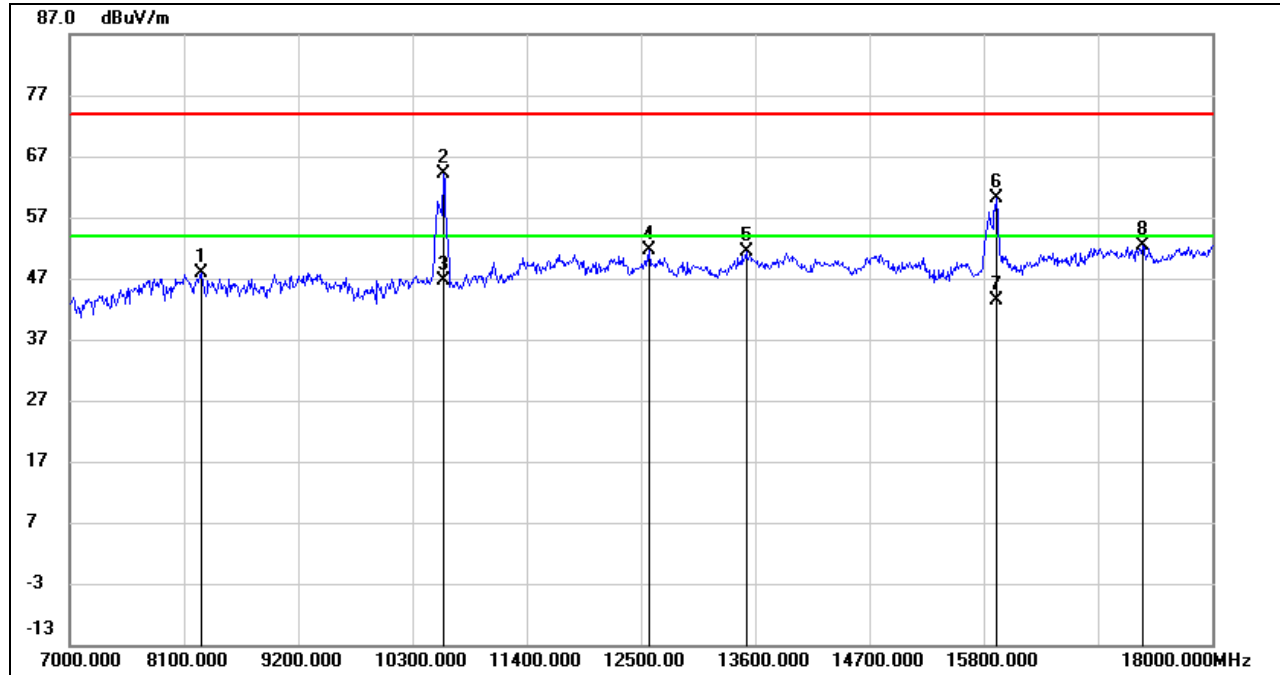


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9002.000	36.76	11.24	48.00	74.00	-26.00	peak
2	10432.000	47.22	12.27	59.49	68.2	-8.71	peak
3	10432.000	31.26	12.27	43.53	/	/	AVG
4	11884.000	35.79	15.47	51.26	74.00	-22.74	peak
5	13523.000	34.57	17.19	51.76	74.00	-22.24	peak
6	15657.000	41.45	17.77	59.22	74.00	-14.78	peak
7	15657.000	25.25	17.77	43.02	54.00	-10.98	AVG
8	16801.000	31.09	20.72	51.81	74.00	-22.19	peak

Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

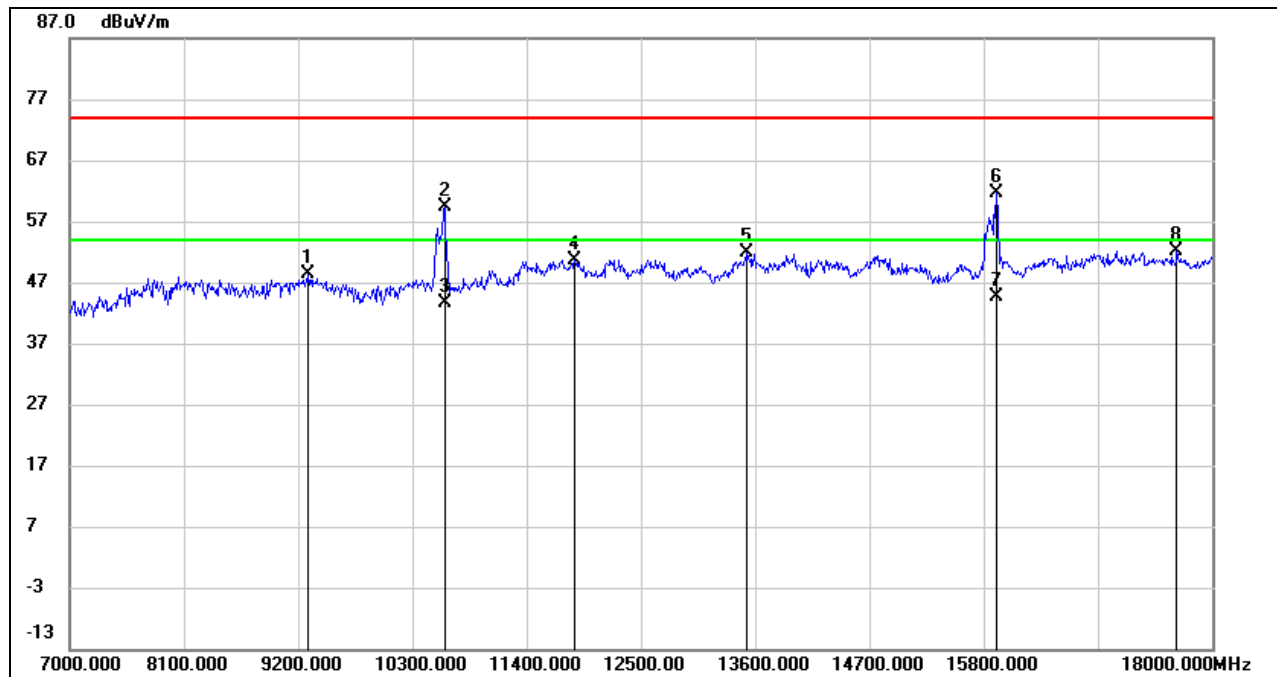
UNII-2A BAND

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8265.000	38.09	9.73	47.82	74.00	-26.18	peak
2	10597.000	51.51	12.68	64.19	68.2	-4.01	peak
3	10597.000	34.03	12.68	46.71	/	/	AVG
4	12577.000	35.76	15.75	51.51	74.00	-22.49	peak
5	13512.000	34.19	17.20	51.39	74.00	-22.61	peak
6	15921.000	42.05	18.14	60.19	74.00	-13.81	peak
7	15921.000	25.15	18.14	43.29	54.00	-10.71	AVG
8	17329.000	29.90	22.39	52.29	74.00	-21.71	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. AVG: $VBW=1/Ton$, where: Ton is the transmitting duration.
 5. For the transmitting duration, please refer to clause 7.1.
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9299.000	38.00	10.40	48.40	74.00	-25.60	peak
2	10608.000	46.75	12.70	59.45	74.00	-14.55	peak
3	10608.000	30.96	12.70	43.66	54.00	-10.34	AVG
4	11862.000	35.34	15.41	50.75	74.00	-23.25	peak
5	13523.000	34.77	17.19	51.96	74.00	-22.04	peak
6	15921.000	43.50	18.14	61.64	74.00	-12.36	peak
7	15921.000	26.49	18.14	44.63	54.00	-9.37	AVG
8	17659.000	29.05	23.17	52.22	74.00	-21.78	peak

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.

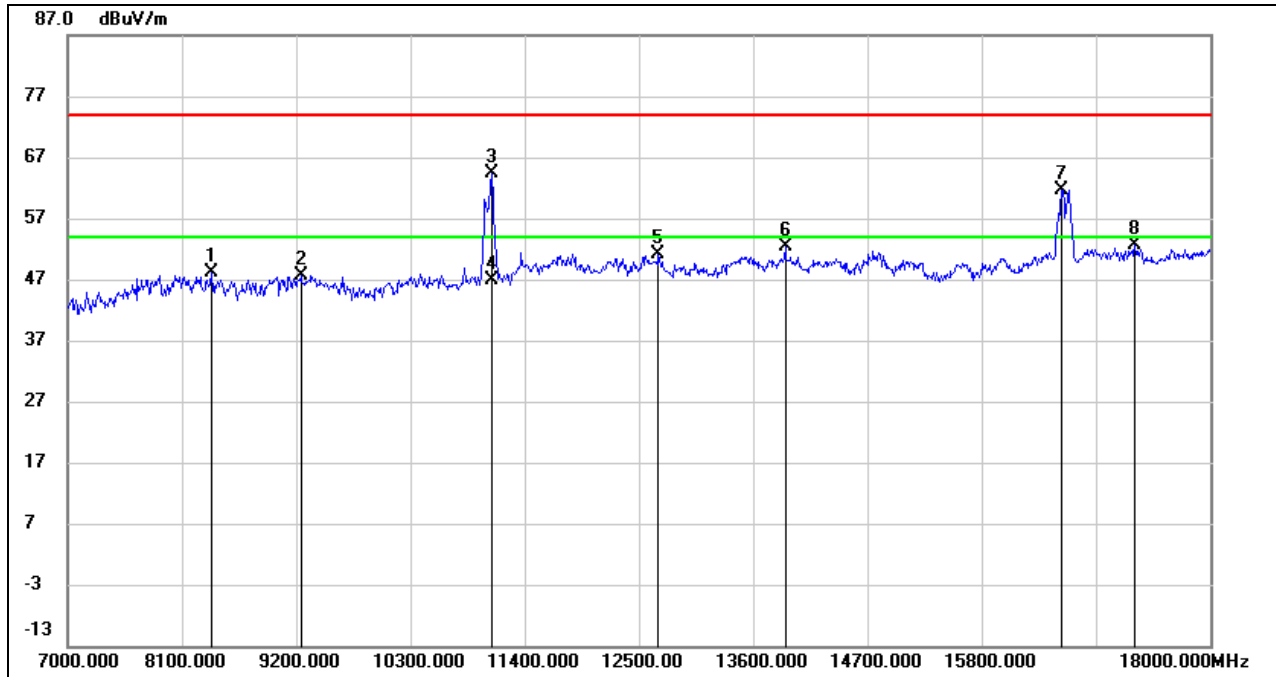
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



UNII-2C BAND

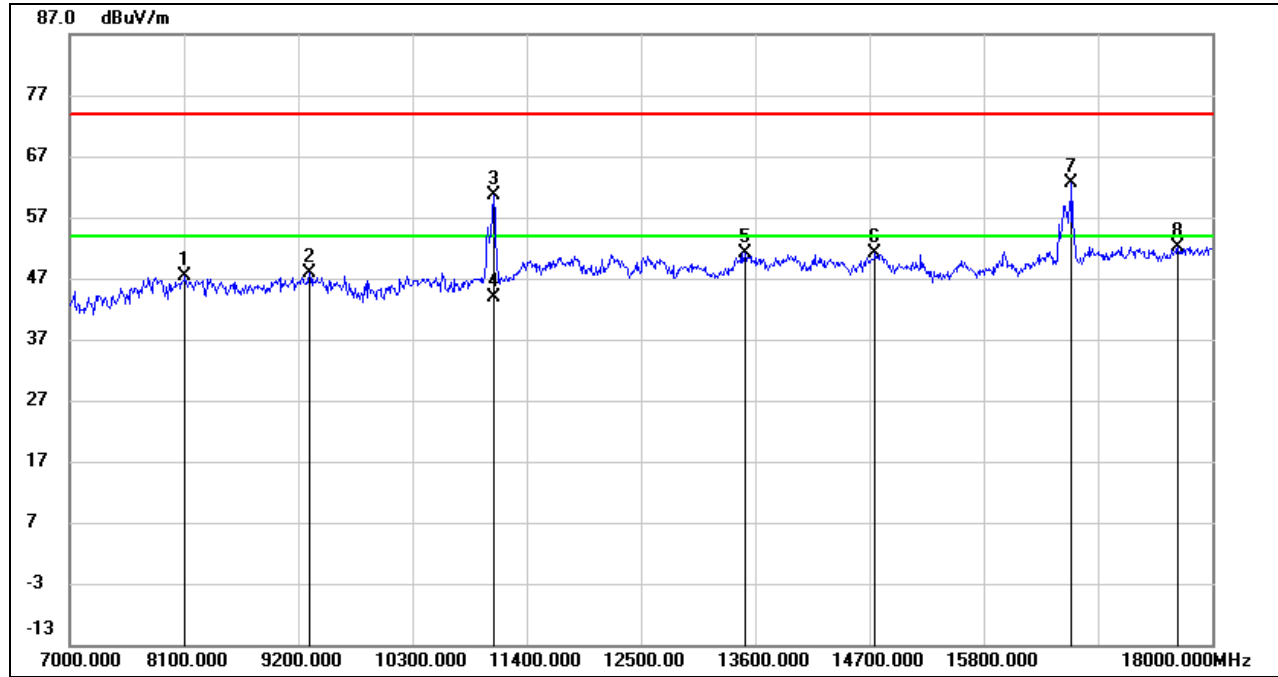
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8386.000	38.69	9.39	48.08	74.00	-25.92	peak
2	9244.000	37.48	10.12	47.60	74.00	-26.40	peak
3	11081.000	50.59	13.70	64.29	74.00	-9.71	peak
4	11081.000	33.12	13.70	46.82	54.00	-7.18	AVG
5	12687.000	35.59	15.64	51.23	74.00	-22.77	peak
6	13908.000	34.89	17.54	52.43	74.00	-21.57	peak
7	16570.000	41.81	19.92	61.73	68.2	-6.47	peak
8	17274.000	30.07	22.45	52.52	74.00	-21.48	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. AVG: $VBW=1/Ton$, where: Ton is the transmitting duration.
 5. For the transmitting duration, please refer to clause 7.1.
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

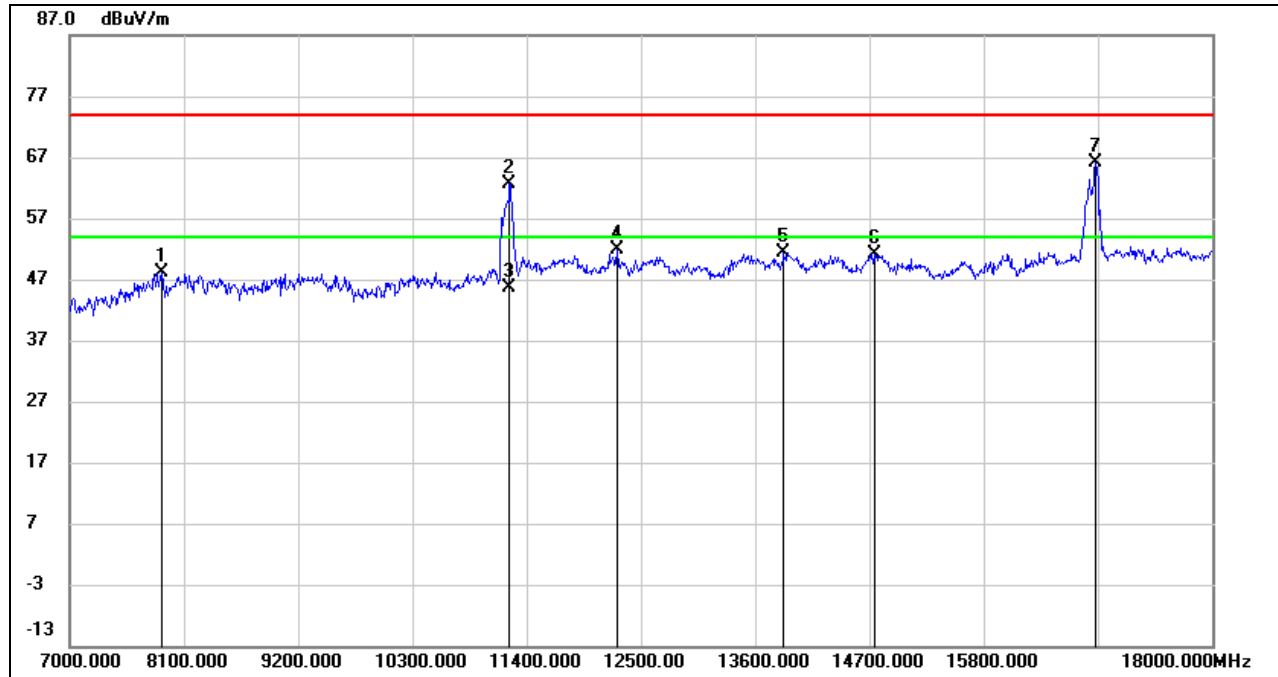
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8111.000	37.14	10.14	47.28	74.00	-26.72	peak
2	9310.000	37.47	10.46	47.93	74.00	-26.07	peak
3	11081.000	46.97	13.70	60.67	74.00	-13.33	peak
4	11081.000	30.26	13.70	43.96	54.00	-10.04	AVG
5	13501.000	34.02	17.22	51.24	74.00	-22.76	peak
6	14755.000	33.27	17.88	51.15	74.00	-22.85	peak
7	16647.000	42.55	19.98	62.53	68.2	-5.67	peak
8	17670.000	28.93	23.24	52.17	74.00	-21.83	peak

Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)

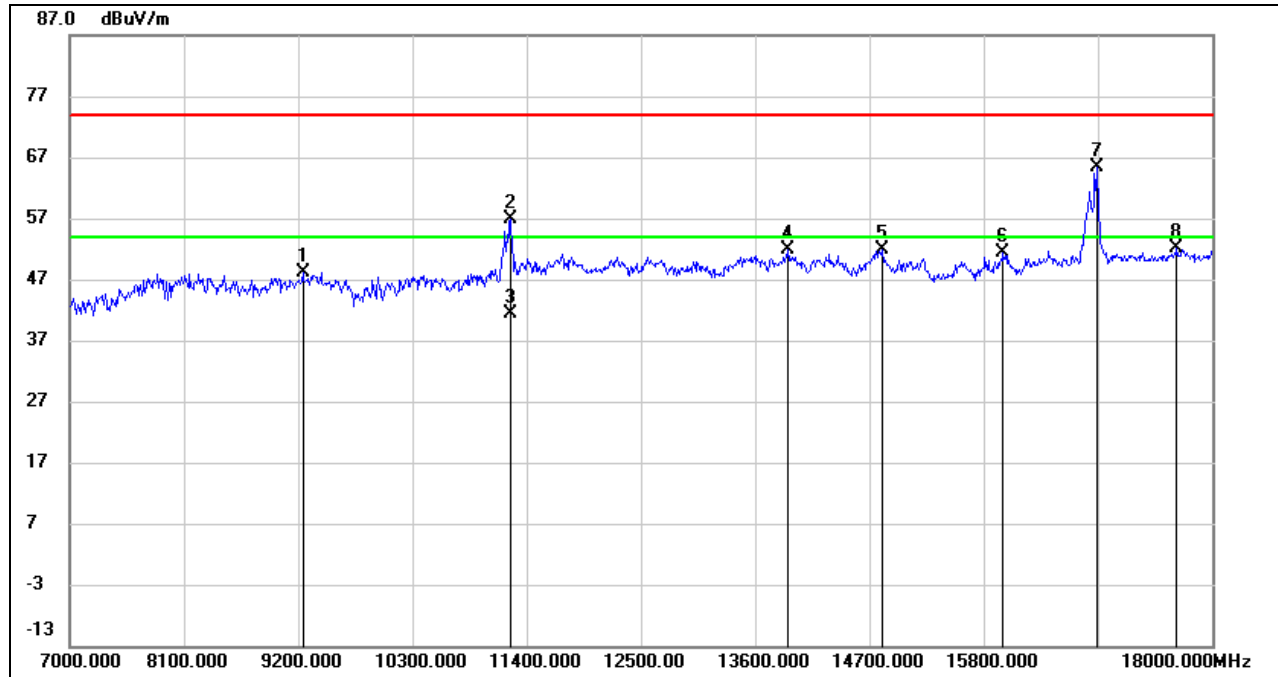


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7891.000	39.18	8.90	48.08	74.00	-25.92	peak
2	11235.000	48.80	13.81	62.61	74.00	-11.39	peak
3	11235.000	31.94	13.81	45.75	54.00	-8.25	AVG
4	12269.000	35.77	16.04	51.81	74.00	-22.19	peak
5	13875.000	33.82	17.55	51.37	74.00	-22.63	peak
6	14744.000	33.40	17.84	51.24	74.00	-22.76	peak
7	16878.000	44.77	21.38	66.15	68.2	-2.05	peak

- Note:
1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. AVG: $VBW=1/Ton$, where: Ton is the transmitting duration.
 5. For the transmitting duration, please refer to clause 7.1.
 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



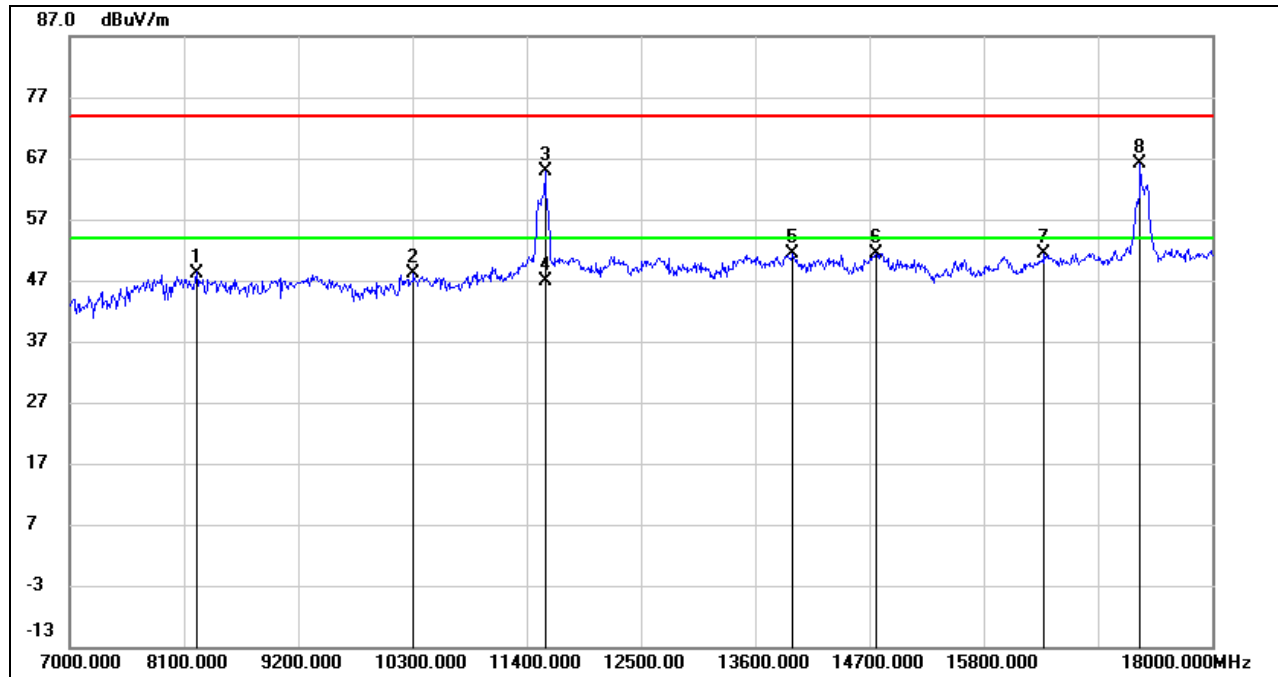
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9244.000	37.92	10.12	48.04	74.00	-25.96	peak
2	11246.000	43.00	13.82	56.82	74.00	-17.18	peak
3	11246.000	27.51	13.82	41.33	54.00	-12.67	AVG
4	13919.000	34.31	17.55	51.86	74.00	-22.14	peak
5	14821.000	33.97	17.90	51.87	74.00	-22.13	peak
6	15987.000	33.13	18.37	51.50	74.00	-22.50	peak
7	16889.000	43.99	21.47	65.46	68.2	-2.74	peak
8	17659.000	28.86	23.17	52.03	74.00	-21.97	peak

Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



UNII-3 BAND

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

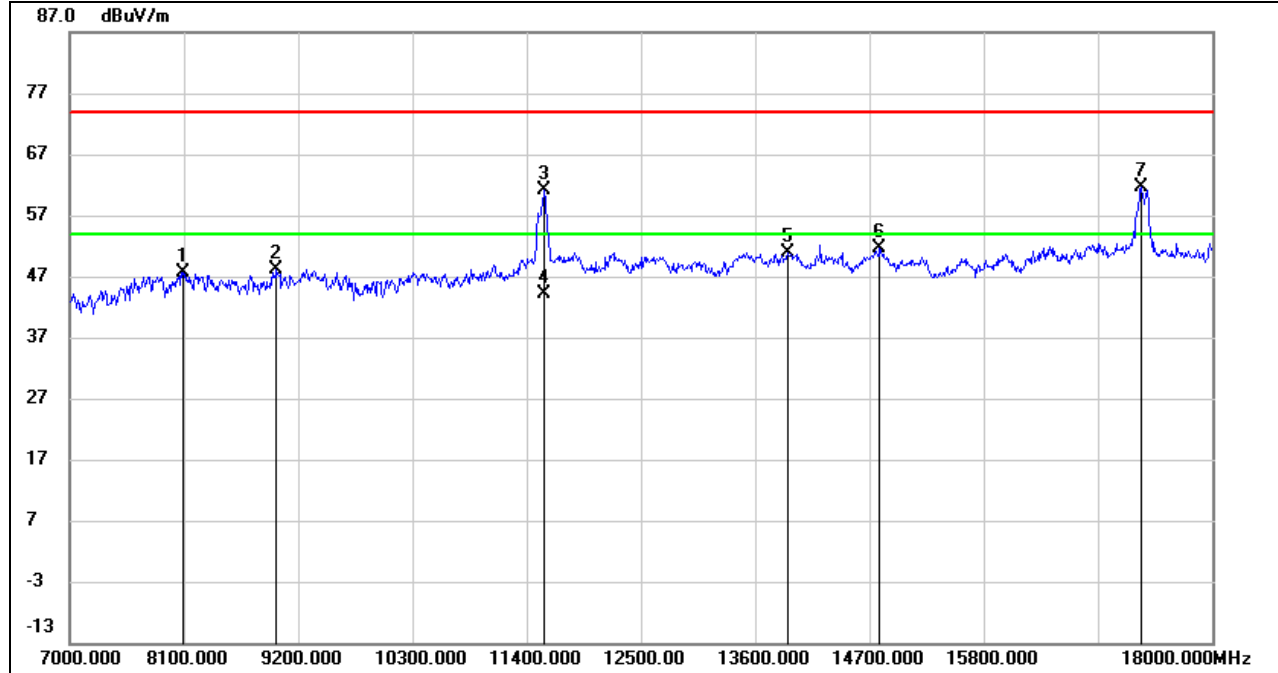


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8221.000	38.46	9.79	48.25	74.00	-25.75	peak
2	10311.000	36.36	11.86	48.22	74.00	-25.78	peak
3	11576.000	50.08	14.71	64.79	74.00	-9.21	peak
4	11576.000	32.07	14.71	46.78	54.00	-7.22	AVG
5	13963.000	33.77	17.61	51.38	74.00	-22.62	peak
6	14766.000	33.48	17.92	51.40	74.00	-22.60	peak
7	16383.000	31.64	19.67	51.31	74.00	-22.69	peak
8	17307.000	43.48	22.56	66.04	68.2	-2.16	peak

Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.



HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



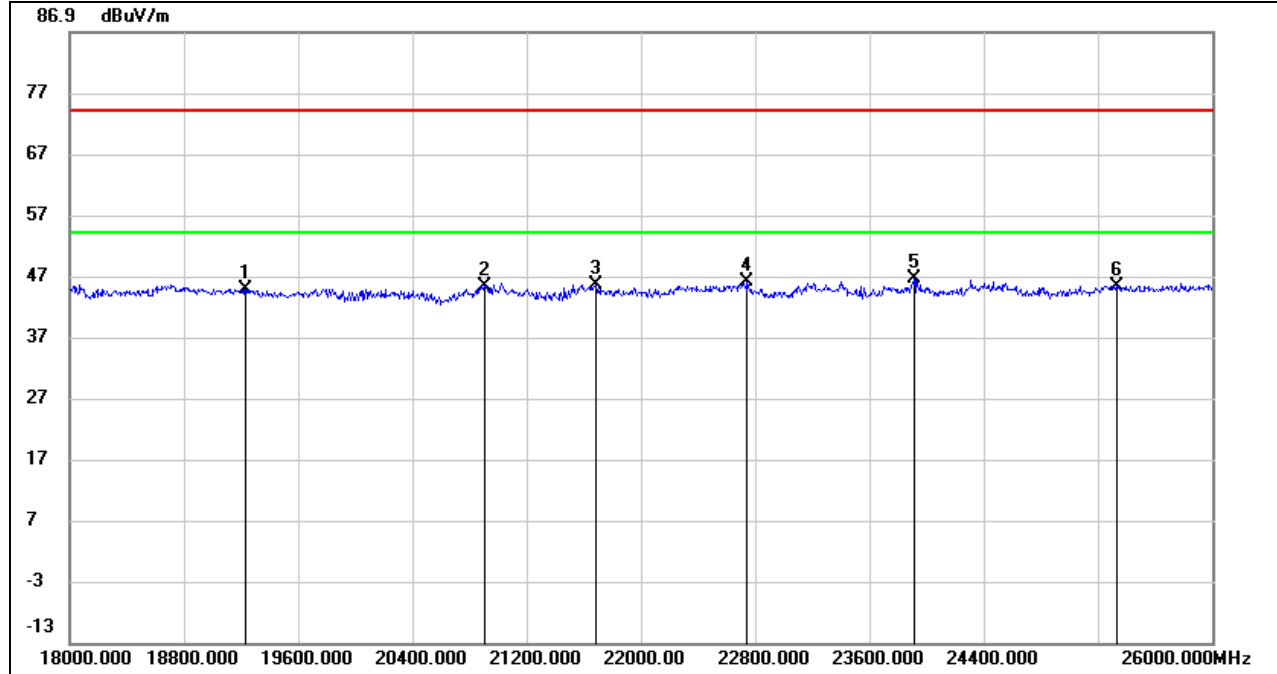
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8089.000	37.62	10.01	47.63	74.00	-26.37	peak
2	8991.000	37.06	11.10	48.16	74.00	-25.84	peak
3	11565.000	46.54	14.69	61.23	74.00	-12.77	peak
4	11565.000	29.54	14.69	44.23	54.00	-9.77	AVG
5	13908.000	33.45	17.54	50.99	74.00	-23.01	peak
6	14799.000	33.69	18.04	51.73	74.00	-22.27	peak
7	17318.000	39.09	22.47	61.56	68.2	-6.64	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
 6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

8.4. SPURIOUS EMISSIONS (18 GHz ~ 26 GHz)

8.4.1. 802.11ac VHT80 CDD 4TX MODE

SPURIOUS EMISSIONS (UNII-3 BAND HIGH CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)

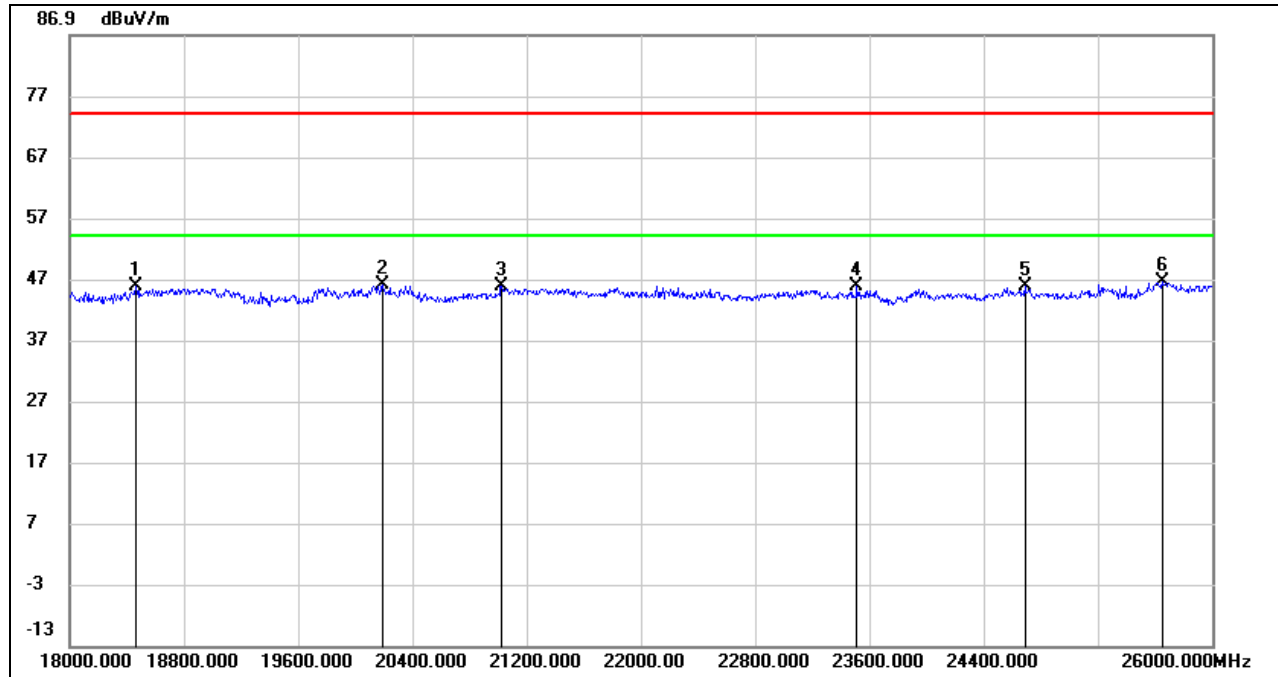


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19232.000	49.92	-5.03	44.89	74.00	-29.11	peak
2	20904.000	50.38	-5.21	45.17	74.00	-28.83	peak
3	21680.000	51.24	-5.76	45.48	74.00	-28.52	peak
4	22744.000	51.68	-5.74	45.94	74.00	-28.06	peak
5	23912.000	50.82	-4.23	46.59	74.00	-27.41	peak
6	25328.000	46.76	-1.38	45.38	74.00	-28.62	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.



SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18464.000	50.20	-4.39	45.81	74.00	-28.19	peak
2	20192.000	50.87	-4.76	46.11	74.00	-27.89	peak
3	21024.000	51.14	-5.30	45.84	74.00	-28.16	peak
4	23512.000	50.51	-4.76	45.75	74.00	-28.25	peak
5	24688.000	47.89	-2.11	45.78	74.00	-28.22	peak
6	25648.000	48.12	-1.53	46.59	74.00	-27.41	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.

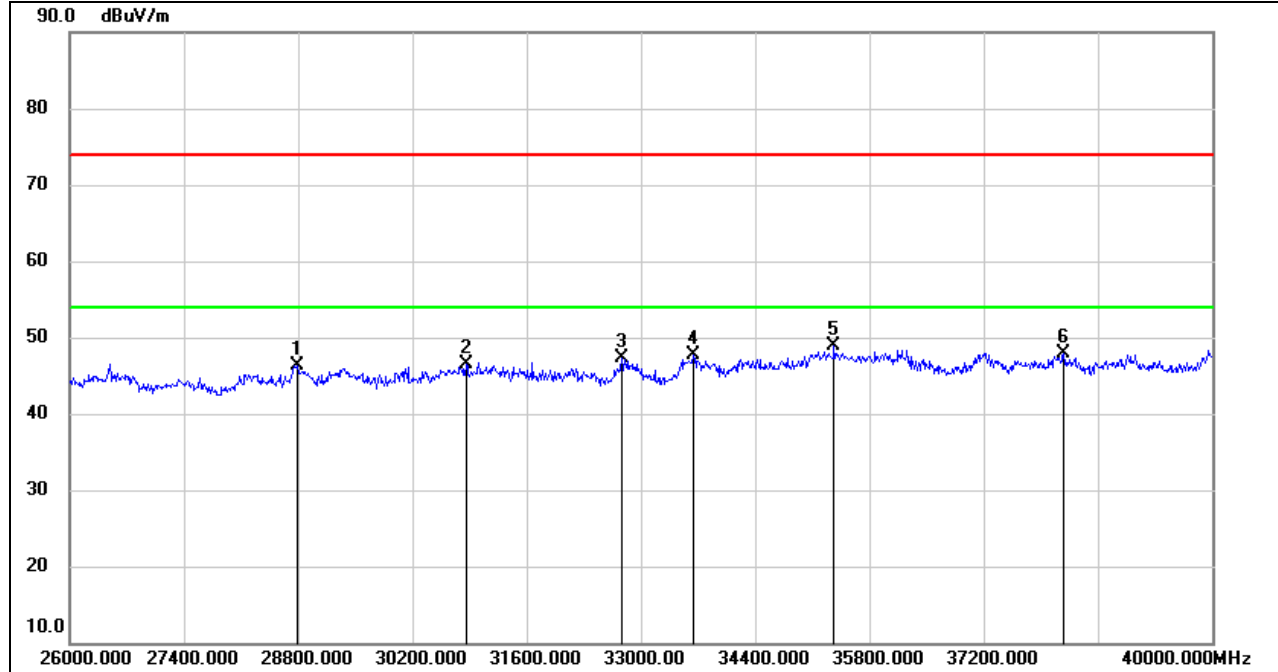
Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.



8.5. SPURIOUS EMISSIONS (26 GHz ~ 40 GHz)

8.5.1. 802.11ac VHT80 CDD 4TX MODE

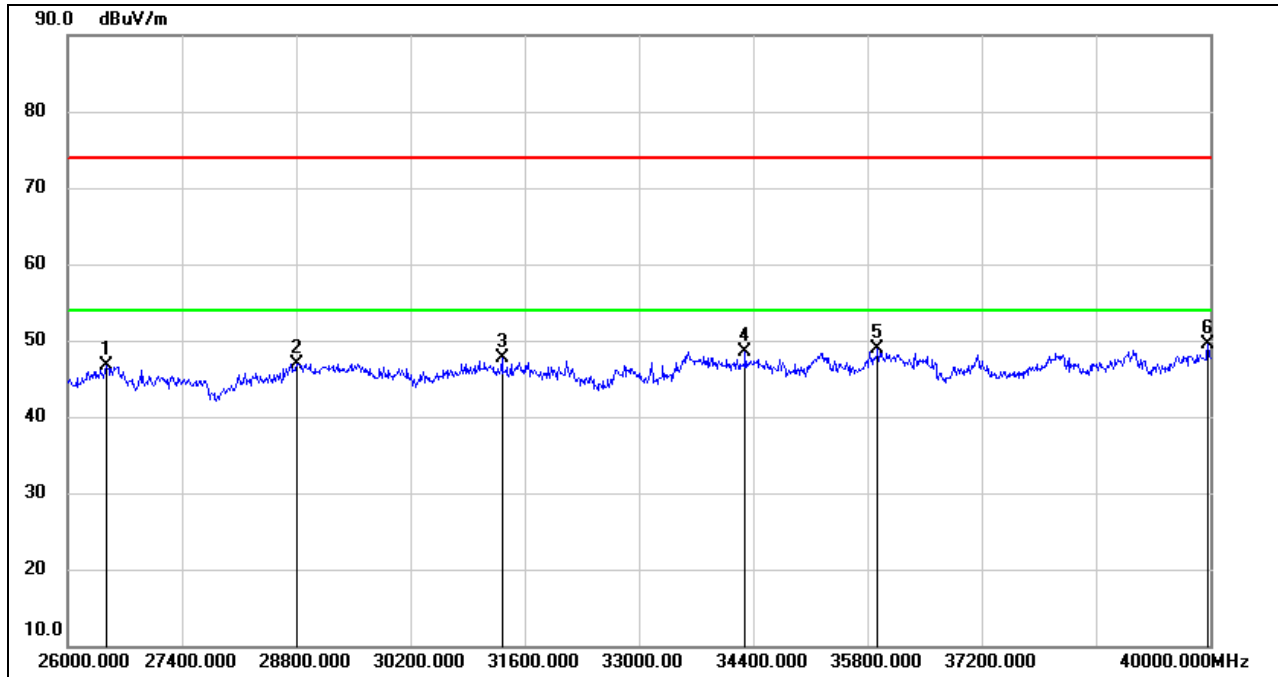
SPURIOUS EMISSIONS (UNII-3 BAND HIGH CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	28786.000	46.99	-0.64	46.35	74.00	-27.65	peak
2	30858.000	47.50	-0.97	46.53	74.00	-27.47	peak
3	32762.000	48.45	-1.21	47.24	74.00	-26.76	peak
4	33644.000	47.31	0.42	47.73	74.00	-26.27	peak
5	35366.000	46.40	2.59	48.99	74.00	-25.01	peak
6	38180.000	44.14	3.69	47.83	74.00	-26.17	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Proper operation of the transmitter prior to adding the filter to the measurement chain.

SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26476.000	51.53	-4.78	46.75	74.00	-27.25	peak
2	28800.000	47.60	-0.70	46.90	74.00	-27.10	peak
3	31320.000	48.61	-0.93	47.68	74.00	-26.32	peak
4	34302.000	47.45	1.10	48.55	74.00	-25.45	peak
5	35926.000	44.94	3.88	48.82	74.00	-25.18	peak
6	39972.000	44.45	5.13	49.58	74.00	-24.42	peak

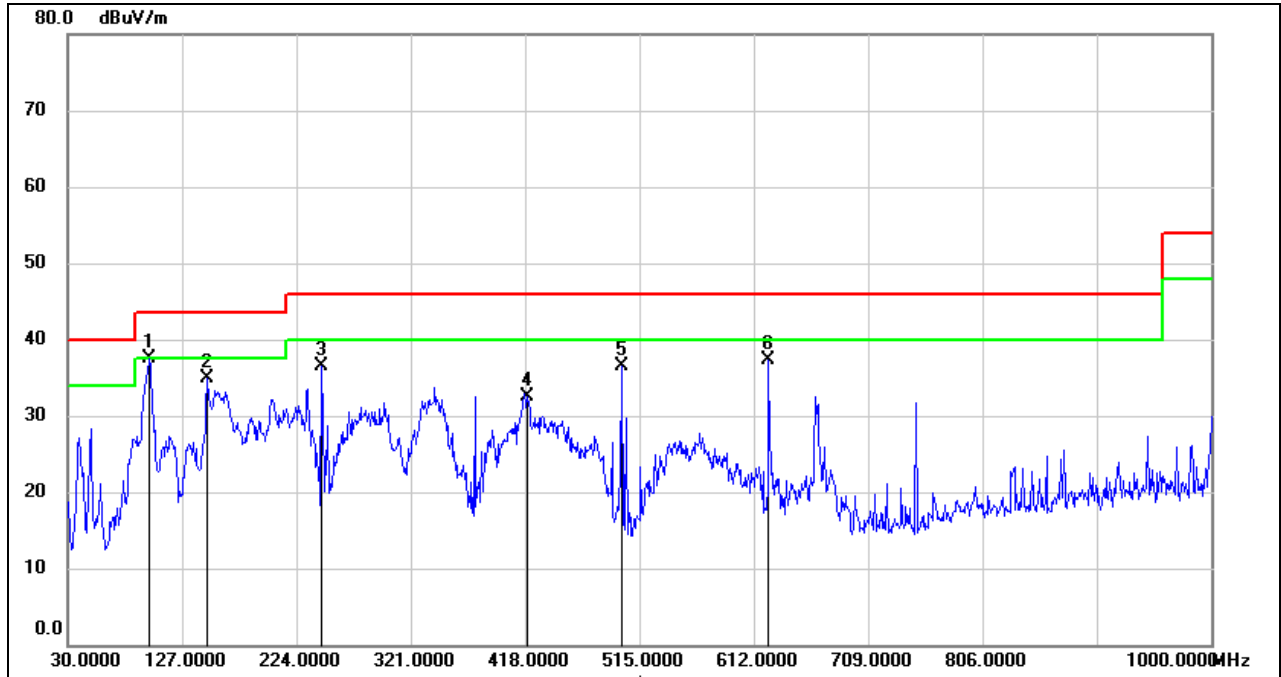
- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Proper operation of the transmitter prior to adding the filter to the measurement chain.

Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

8.6. SPURIOUS EMISSIONS (30 MHz ~ 1 GHz)

8.6.1. 802.11ac VHT80 CDD 4TX MODE

SPURIOUS EMISSIONS (UNII-3 BAND HIGH CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)

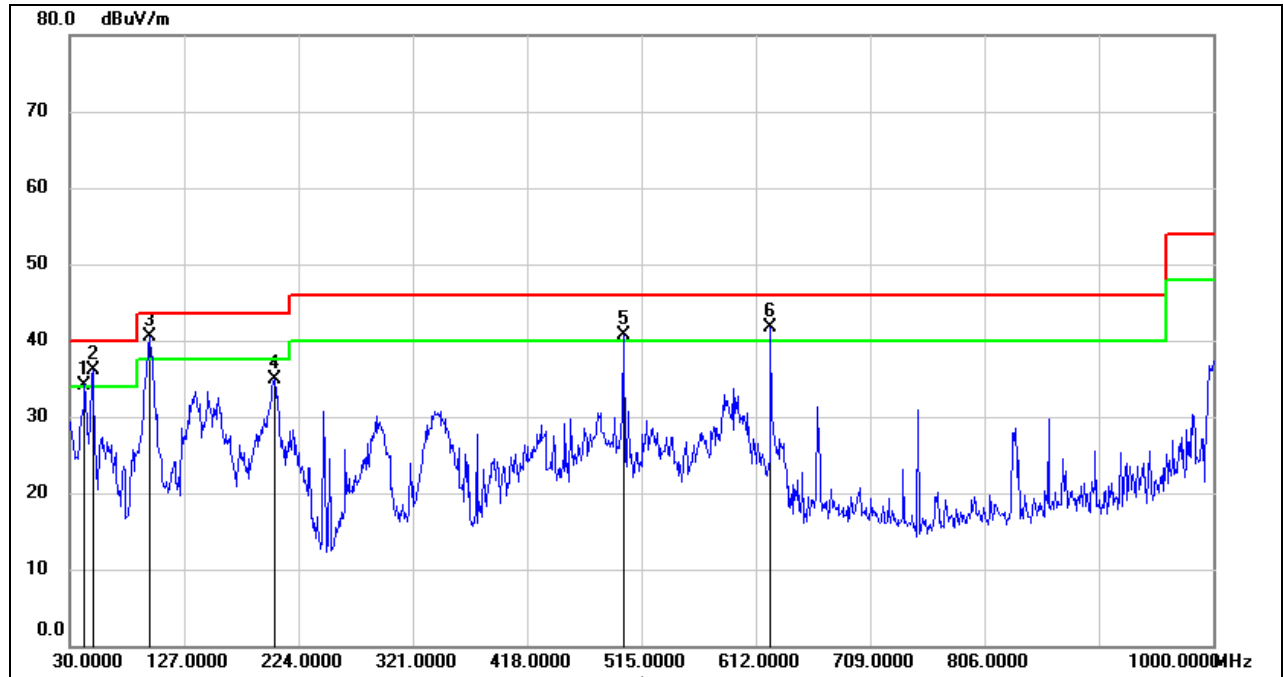


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	98.8700	58.65	-21.23	37.42	43.50	-6.08	QP
2	148.3400	53.18	-18.36	34.82	43.50	-8.68	QP
3	245.3400	55.49	-19.04	36.45	46.00	-9.55	QP
4	419.9400	45.50	-12.99	32.51	46.00	-13.49	QP
5	500.4500	48.06	-11.46	36.60	46.00	-9.40	QP
6	624.6100	46.60	-9.31	37.29	46.00	-8.71	QP

- Note: 1. Result Level = Read Level + Correct Factor.
 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.



SPURIOUS EMISSIONS (UNII-3 BAND HIGH CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	42.6100	54.37	-20.17	34.20	40.00	-5.80	QP
2	49.4000	56.85	-20.72	36.13	40.00	-3.87	QP
3	97.9000	61.72	-21.30	40.42	43.50	-3.08	QP
4	203.6300	51.58	-16.70	34.88	43.50	-8.62	QP
5	499.4800	52.26	-11.48	40.78	46.00	-5.22	QP
6	624.6100	51.05	-9.31	41.74	46.00	-4.26	QP

- Note: 1. Result Level = Read Level + Correct Factor.
 2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
 3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

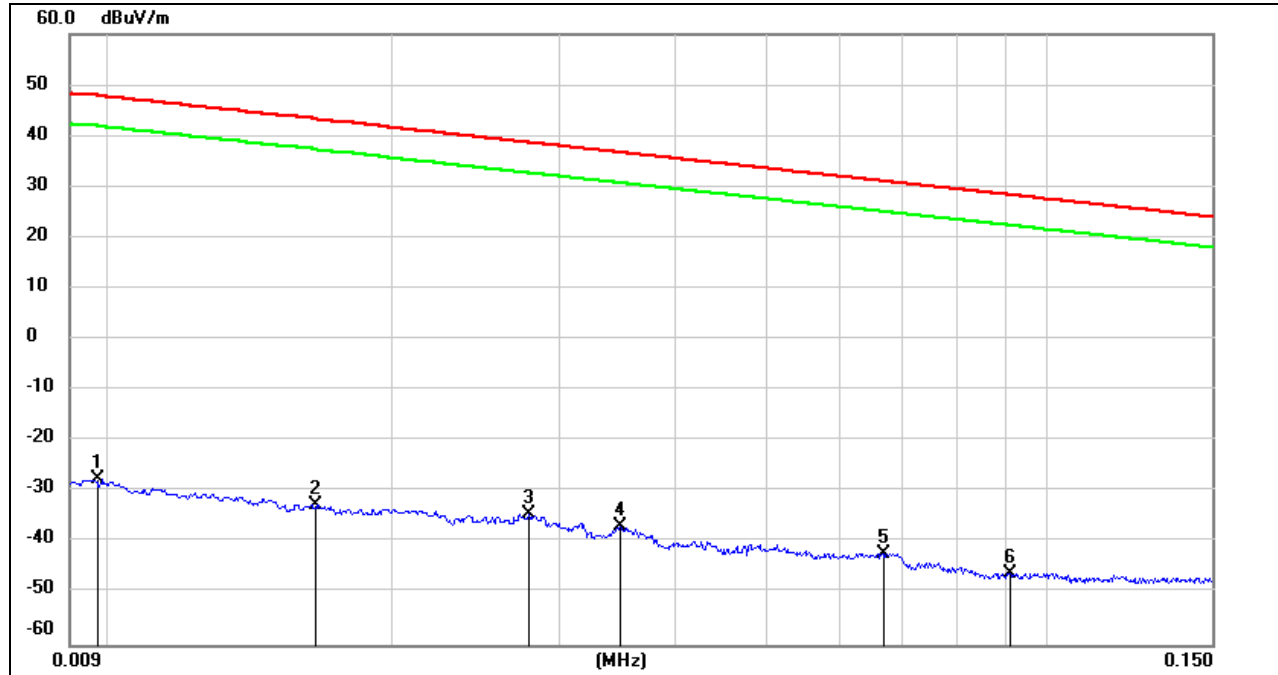
Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

8.7. SPURIOUS EMISSIONS BELOW 30 MHz

8.7.1. 802.11ac VHT80 CDD 4TX MODE

SPURIOUS EMISSIONS (UNII-3 BAND HIGH CHANNEL, LOOP ANTENNA FACE ON TO THE EUT, WORST-CASE CONFIGURATION)

9 kHz~ 150 kHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.0097	73.93	-101.38	-27.45	47.82	-78.95	-3.68	-75.27	peak
2	0.0165	68.84	-101.37	-32.53	43.25	-84.03	-8.25	-75.78	peak
3	0.0279	67.17	-101.38	-34.21	38.69	-85.71	-12.81	-72.90	peak
4	0.0349	64.53	-101.41	-36.88	36.75	-88.38	-14.75	-73.63	peak
5	0.0666	59.43	-101.55	-42.12	31.13	-93.62	-20.37	-73.25	peak
6	0.0912	55.72	-101.73	-46.01	28.4	-97.51	-23.10	-74.41	peak

Note: 1. Measurement = Reading Level + Correct Factor.

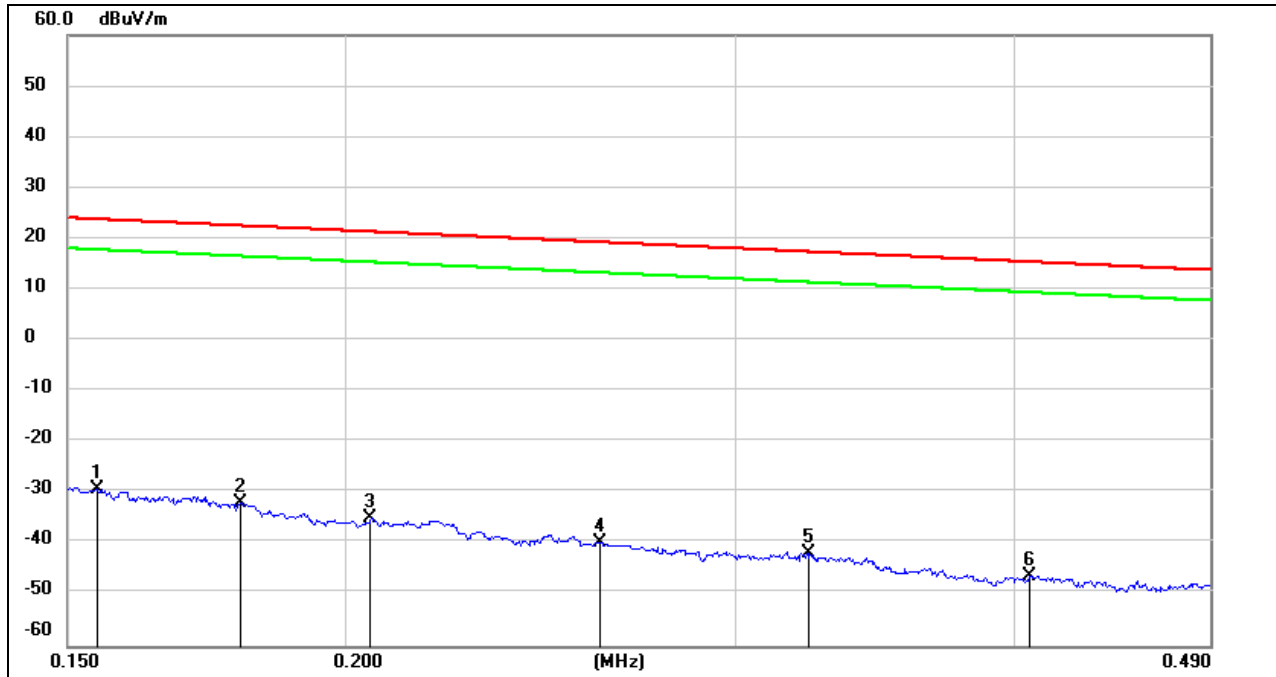
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.

3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

4. $\text{dBuA/m} = \text{dBuV/m} - 20\log_{10}(120\pi) = \text{dBuV/m} - 51.5$.



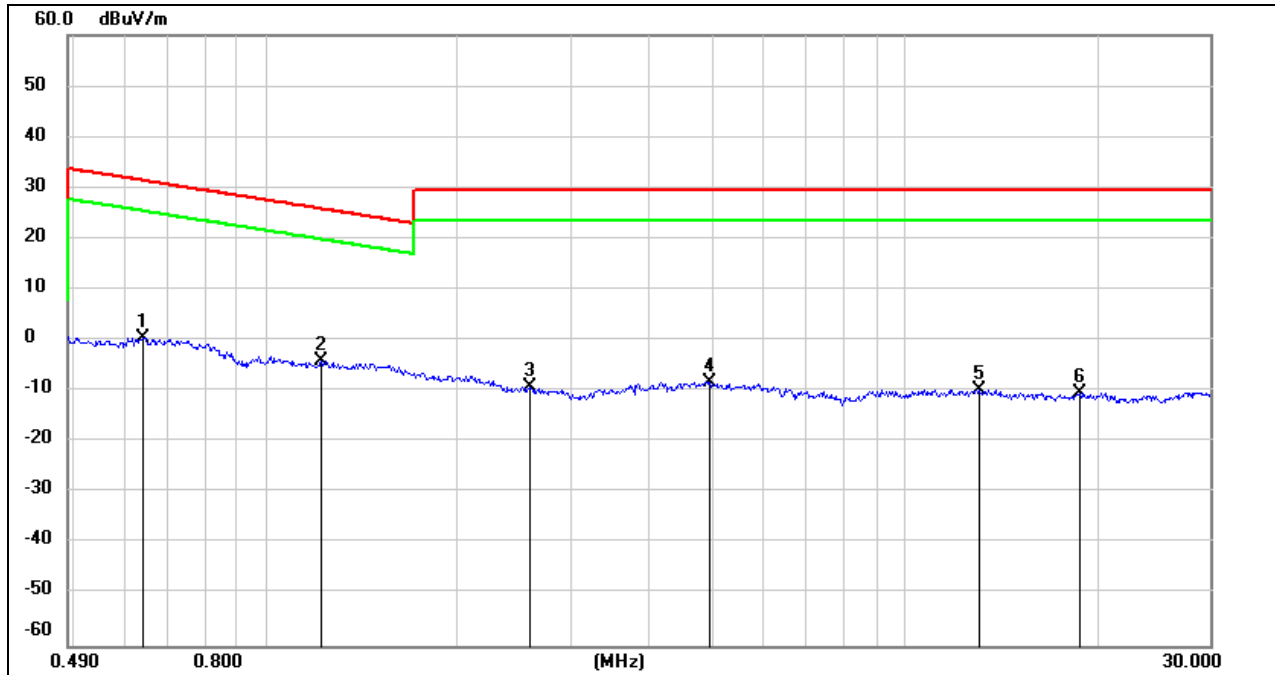
150 kHz ~ 490 kHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.1547	72.31	-101.65	-29.34	23.81	-80.84	-27.69	-53.15	peak
2	0.1794	69.77	-101.68	-31.91	22.53	-83.41	-28.97	-54.44	peak
3	0.2053	66.79	-101.73	-34.94	21.35	-86.44	-30.15	-56.29	peak
4	0.2605	62.14	-101.81	-39.67	19.28	-91.17	-32.22	-58.95	peak
5	0.3234	59.98	-101.88	-41.9	17.41	-93.40	-34.09	-59.31	peak
6	0.4062	55.64	-101.96	-46.32	15.43	-97.82	-36.07	-61.75	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
 3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
 4. $\text{dBuA/m} = \text{dBuV/m} - 20\log_{10}(120\pi) = \text{dBuV/m} - 51.5$.

490 kHz ~ 30 MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.6429	62.65	-62.09	0.56	31.44	-50.94	-20.06	-30.88	peak
2	1.2214	58.12	-62.16	-4.04	25.87	-55.54	-25.63	-29.91	peak
3	2.5935	52.61	-61.68	-9.07	29.54	-60.57	-21.96	-38.61	peak
4	4.9481	53.29	-61.47	-8.18	29.54	-59.68	-21.96	-37.72	peak
5	13.0907	51.13	-60.93	-9.8	29.54	-61.30	-21.96	-39.34	peak
6	18.7862	50.53	-60.88	-10.35	29.54	-61.85	-21.96	-39.89	peak

- Note: 1. Measurement = Reading Level + Correct Factor.
 2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
 3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
 4. $\text{dBuA/m} = \text{dBuV/m} - 20\log_{10}(120\pi) = \text{dBuV/m} - 51.5$.

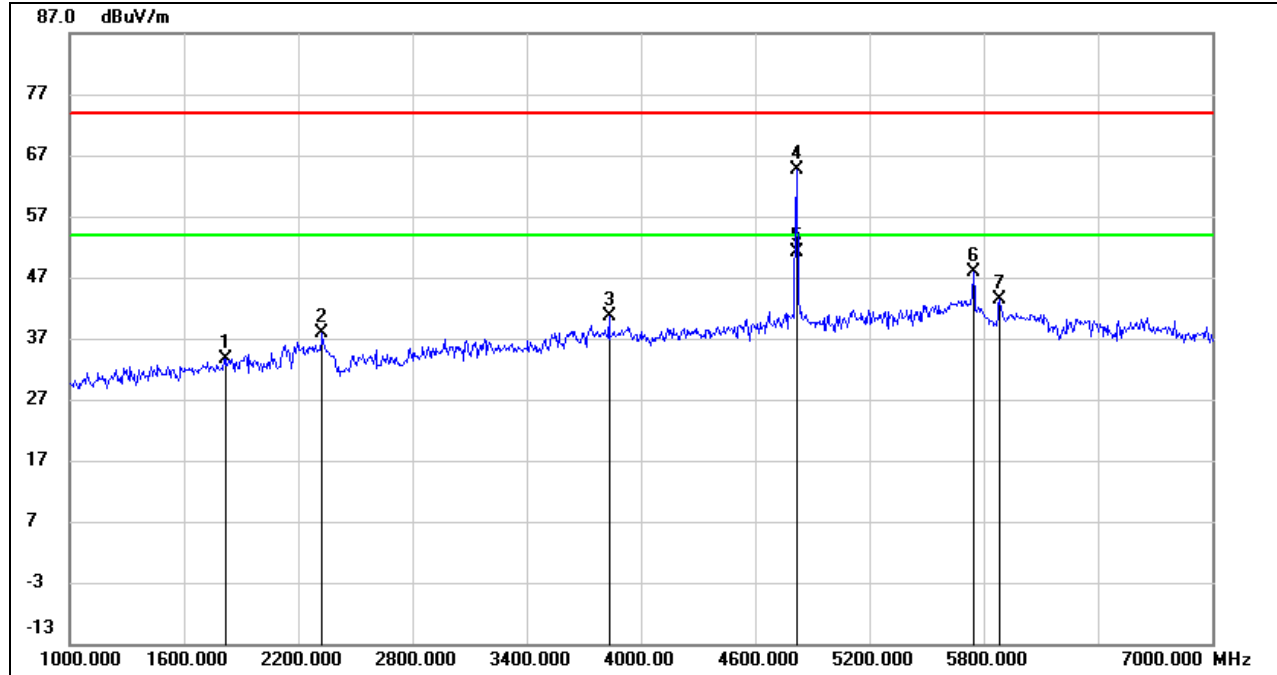
Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

8.8. SPURIOUS EMISSIONS FOR SIMULTANEOUS TRANSMISSION

8.8.1. UNII-3 802.11a 4TX MODE AND 802.11b MODE (TRANSMIT SIMULTANEOUSLY)

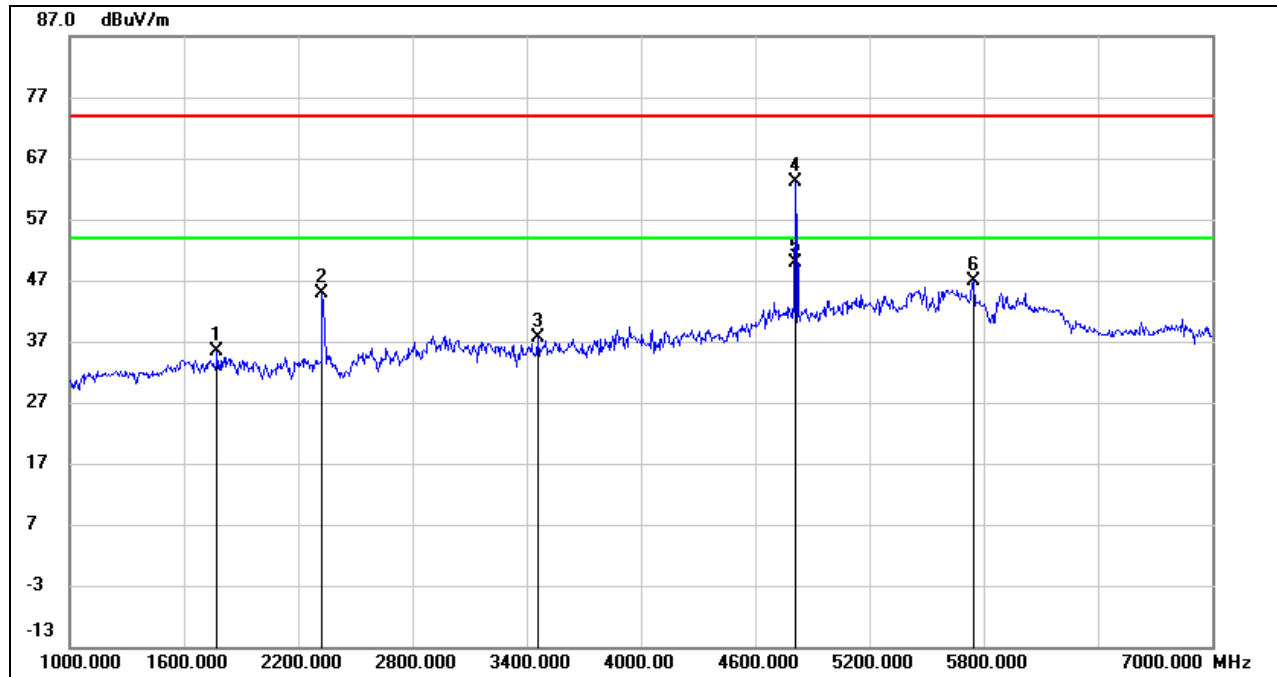
SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)

1-7GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1822.000	43.62	-10.06	33.56	74.00	-40.44	peak
2	2326.000	46.61	-8.64	37.97	74.00	-36.03	peak
3	3832.000	43.98	-3.32	40.66	74.00	-33.34	peak
4	4822.000	64.09	0.63	64.72	74.00	-9.28	peak
5	4822.000	50.59	0.63	51.22	54.00	-2.78	AVG
6	5746.000	45.34	2.50	47.84	74.00	-26.16	peak
7	5884.000	40.45	2.84	43.29	74.00	-30.71	peak

- Note: 1. Peak Result = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

**SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)****1-7GHz**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1774.000	45.52	-10.24	35.28	74.00	-38.72	peak
2	2326.000	53.41	-8.64	44.77	74.00	-29.23	peak
3	3460.000	42.55	-4.87	37.68	74.00	-36.32	peak
4	4821.000	62.65	0.60	63.25	74.00	-10.75	peak
5	4821.000	49.18	0.60	49.78	54.00	-4.22	AVG
6	5746.000	44.30	2.50	46.80	74.00	-27.20	peak

Note: 1. Peak Result = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

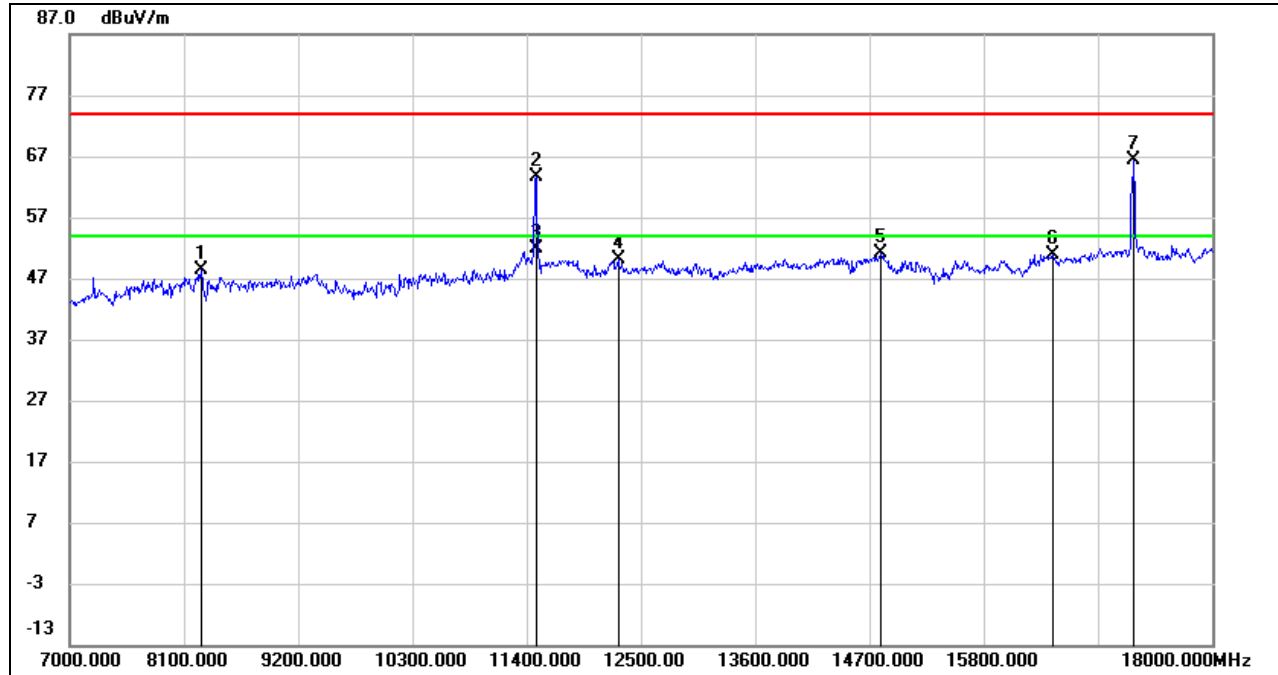
3. Peak: Peak detector.

4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.

5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

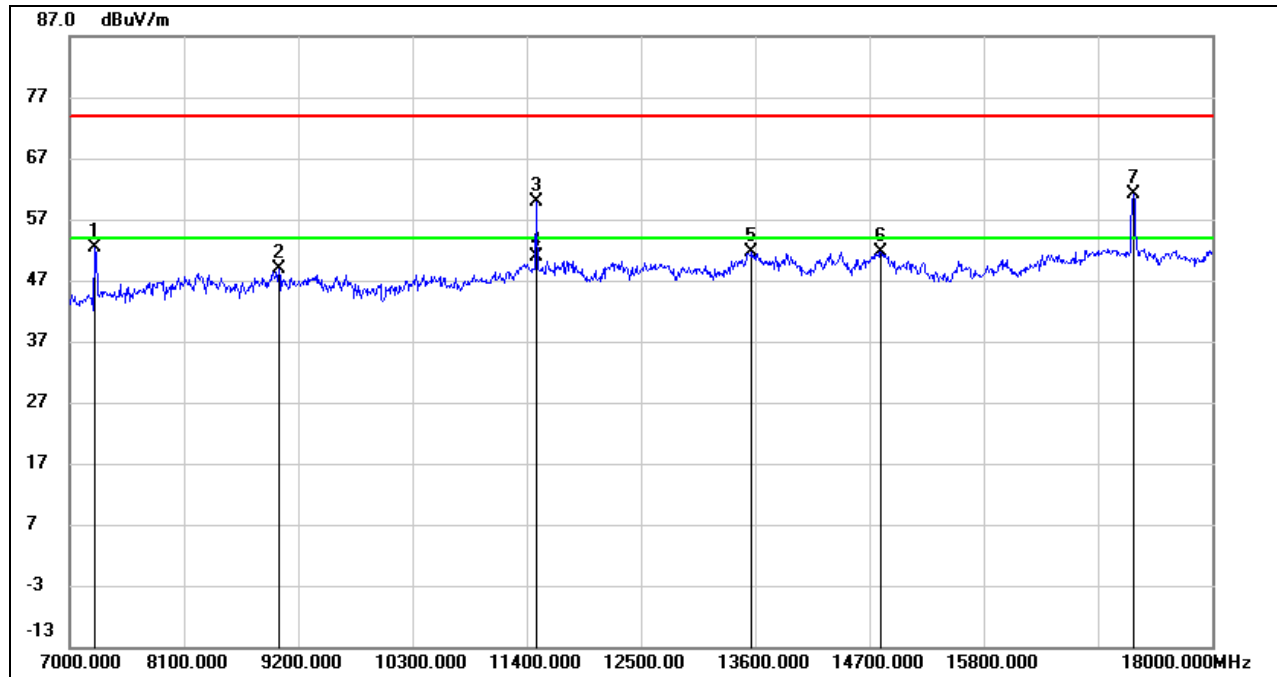
SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)

7-18GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8265.000	38.64	9.73	48.37	74.00	-25.63	peak
2	11488.000	49.08	14.66	63.74	74.00	-10.26	peak
3	11488.000	37.23	14.66	51.89	54.00	-2.11	AVG
4	12280.000	34.09	16.07	50.16	74.00	-23.84	peak
5	14810.000	33.21	17.97	51.18	74.00	-22.82	peak
6	16471.000	31.30	19.68	50.98	74.00	-23.02	peak
7	17241.000	44.07	22.24	66.89	68.2	-1.31	peak

- Note: 1. Peak Result = Reading Level + Correct Factor.
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Peak: Peak detector.
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.
 5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

**SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)****7-18GHz**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7242.000	45.01	7.25	52.26	74.00	-21.74	peak
2	9013.000	37.77	11.12	48.89	74.00	-25.11	peak
3	11488.000	45.23	14.66	59.89	74.00	-14.11	peak
4	11488.000	36.12	14.66	50.78	54.00	-3.22	AVG
5	13567.000	34.50	17.14	51.64	74.00	-22.36	peak
6	14810.000	33.61	17.97	51.58	74.00	-22.42	peak
7	17241.000	38.81	22.24	61.05	68.2	-7.15	peak

Note: 1. Peak Result = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Peak: Peak detector.

4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for HPF losses.

5. Proper operation of the transmitter prior to adding the filter to the measurement chain.

Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

9. AC POWER LINE CONDUCTED EMISSIONS

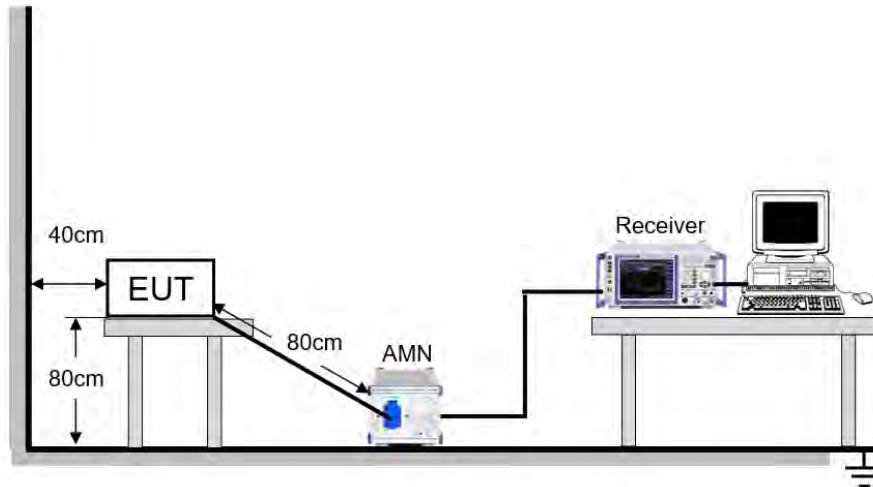
LIMITS

Please refer to CFR 47 FCC §15.207 (a).

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

TEST SETUP AND PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.



The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST ENVIRONMENT

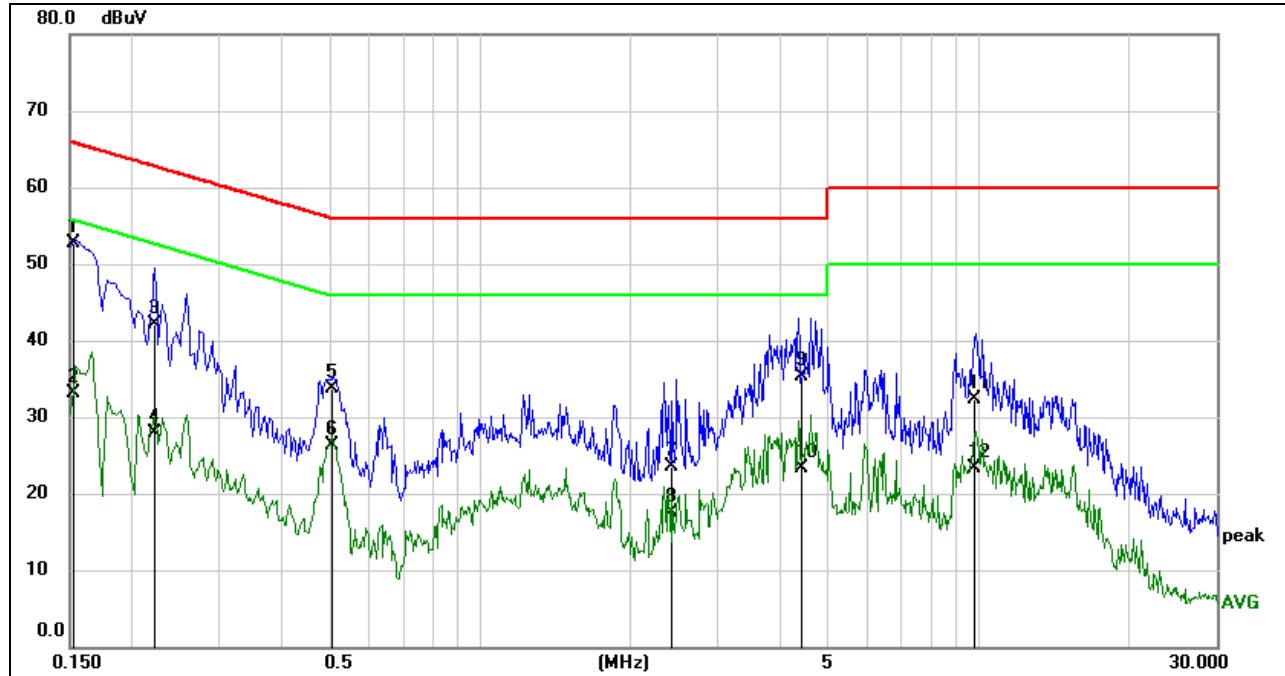
Temperature	22.4 °C	Relative Humidity	52.1 %
Atmosphere Pressure	101 kPa	Test Voltage	AC 120 V,60Hz



RESULTS

9.1. 802.11n HT40 CDD MODE

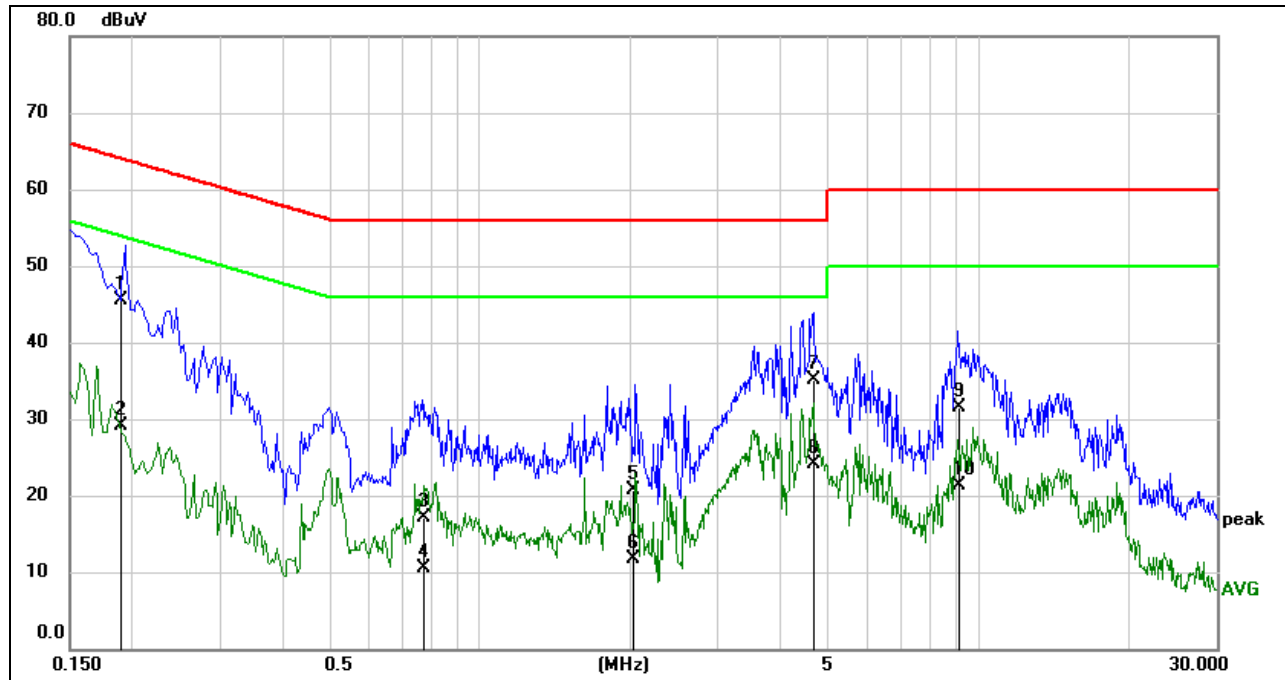
LINE N RESULTS (UNII-3 BAND LOW CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1524	43.21	9.59	52.80	65.87	-13.07	QP
2	0.1524	23.52	9.59	33.11	55.87	-22.76	AVG
3	0.2212	32.57	9.59	42.16	62.77	-20.61	QP
4	0.2212	18.36	9.59	27.95	52.77	-24.82	AVG
5	0.5048	24.01	9.60	33.61	56.00	-22.39	QP
6	0.5048	16.67	9.60	26.27	46.00	-19.73	AVG
7	2.4346	13.88	9.63	23.51	56.00	-32.49	QP
8	2.4346	7.80	9.63	17.43	46.00	-28.57	AVG
9	4.4174	25.72	9.61	35.33	56.00	-20.67	QP
10	4.4174	13.75	9.61	23.36	46.00	-22.64	AVG
11	9.8407	22.65	9.62	32.27	60.00	-27.73	QP
12	9.8407	13.68	9.62	23.30	50.00	-26.70	AVG

- Note: 1. Result = Reading + Correct Factor.
 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
 4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

LINE L RESULTS (UNII-1 BAND LOW CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1901	35.83	9.59	45.42	64.03	-18.61	QP
2	0.1901	19.42	9.59	29.01	54.03	-25.02	AVG
3	0.7705	7.53	9.60	17.13	56.00	-38.87	QP
4	0.7705	0.98	9.60	10.58	46.00	-35.42	AVG
5	2.0312	10.99	9.63	20.62	56.00	-35.38	QP
6	2.0312	2.09	9.63	11.72	46.00	-34.28	AVG
7	4.6452	25.51	9.61	35.12	56.00	-20.88	QP
8	4.6452	14.56	9.61	24.17	46.00	-21.83	AVG
9	9.1421	21.81	9.61	31.42	60.00	-28.58	QP
10	9.1421	11.78	9.61	21.39	50.00	-28.61	AVG

Note: 1. Result = Reading + Correct Factor.
 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
 4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes had been tested, but only the worst data was recorded in the report.

10. FREQUENCY STABILITY

LIMITS

The frequency of the carrier signal shall be maintained within band of operation.

TEST PROCEDURE

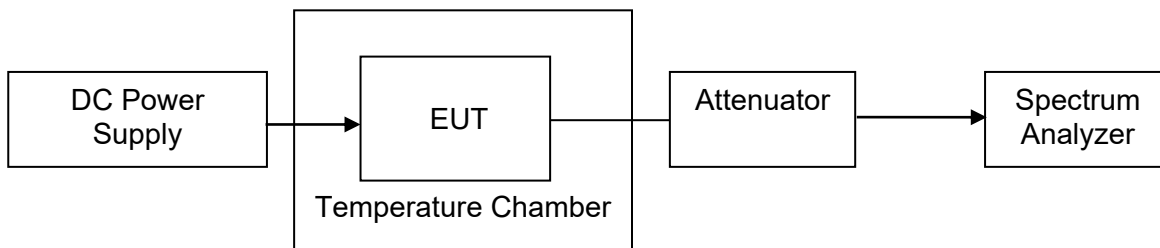
1. The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between 0 °C ~ 40 °C (declared by customer).
2. The temperature was incremented by 10 °C intervals and the unit allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.
3. The primary supply voltage is varied from 85 % to 115 % of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

Connect the EUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	10 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

4. While maintaining a constant temperature inside the environmental chamber, turn the EUT on and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized.
5. Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

TEST SETUP





TEST ENVIRONMENT

	Normal Test Conditions	Extreme Test Conditions
Relative Humidity	20 % - 75 %	/
Atmospheric Pressure	100 kPa ~102 kPa	/
Temperature	T _N (Normal Temperature): 22 °C – 28 °C	T _L (Low Temperature): 0 °C
		T _H (High Temperature): 40 °C
Supply Voltage	V _N (Normal Voltage): AC 120 V, 60HZ	V _L (Low Voltage): AC 132 V
		V _H (High Voltage): AC 108 V

RESULTS

TEST RESULTS

Frequency Error vs. Voltage									
802.11a: 5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5200.0052	1.01	5199.9867	-2.55	5199.9967	-0.64	5200.0133	2.56
TN	VN	5199.9790	-4.04	5200.0189	3.64	5200.0081	1.57	5199.9965	-0.66
TN	VH	5199.9947	-1.03	5199.9847	-2.94	5200.0151	2.90	5199.9958	-0.82
Frequency Error vs. Temperature									
802.11a: 5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
50	VN	5200.0139	2.67	5199.9928	-1.39	5199.9966	-0.66	5200.0103	1.98
40	VN	5200.0126	2.42	5200.0227	4.37	5200.0159	3.05	5199.9810	-3.66
30	VN	5199.9769	-4.45	5200.0238	4.58	5199.9980	-0.38	5200.0081	1.56
20	VN	5199.9822	-3.43	5200.0182	3.49	5200.0120	2.30	5199.9756	-4.70
10	VN	5199.9932	-1.31	5200.0059	1.13	5200.0062	1.19	5200.0082	1.58
0	VN	5200.0219	4.21	5200.0185	3.57	5199.9927	-1.41	5199.9839	-3.10
-10	VN	5199.9820	-3.45	5199.9937	-1.21	5199.9917	-1.59	5200.0031	0.60



Frequency Error vs. Voltage									
802.11a: 5825MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5824.9787	-3.66	5825.0191	3.29	5824.9759	-4.13	5825.0200	3.44
TN	VN	5824.9831	-2.91	5824.9915	-1.46	5824.9893	-1.83	5824.9899	-1.74
TN	VH	5824.9766	-4.02	5824.9786	-3.68	5824.9884	-1.99	5824.9760	-4.12

Frequency Error vs. Temperature									
802.11a: 5825MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
50	VN	5825.0116	1.99	5824.9809	-3.27	5824.9817	-3.14	5824.9878	-2.10
40	VN	5824.9791	-3.59	5824.9810	-3.25	5825.0121	2.08	5825.0195	3.35
30	VN	5825.0152	2.60	5824.9816	-3.16	5824.9778	-3.80	5824.9973	-0.47
20	VN	5824.9867	-2.29	5825.0106	1.82	5825.0100	1.71	5824.9943	-0.98
10	VN	5825.0228	3.91	5825.0239	4.10	5824.9952	-0.82	5824.9927	-1.25
0	VN	5824.9866	-2.30	5825.0150	2.58	5824.9966	-0.58	5824.9815	-3.17
-10	VN	5824.9897	-1.77	5824.9987	-0.23	5825.0076	1.31	5824.9861	-2.39

Note: All the test modes have been tested, only the worst data record in the report.



11. ANTENNA REQUIREMENTS

APPLICABLE REQUIREMENTS

Please refer to FCC §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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.407(a)

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RESULTS

Complies



12. Appendix

12.1. Appendix A1: 26dB Emission Bandwidth

12.1.1. Test Result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11A-CDD	Ant1	5180	19.560	5170.360	5189.920	PASS
	Ant1	5200	19.480	5190.200	5209.680	PASS
	Ant1	5240	19.440	5230.160	5249.600	PASS
	Ant1	5260	19.800	5250.280	5270.080	PASS
	Ant1	5280	19.600	5270.280	5289.880	PASS
	Ant1	5320	19.520	5310.320	5329.840	PASS
	Ant1	5500	19.640	5490.240	5509.880	PASS
	Ant1	5580	19.320	5570.160	5589.480	PASS
	Ant1	5700	19.320	5690.520	5709.840	PASS
	Ant1	5745	19.440	5735.440	5754.880	PASS
	Ant1	5785	19.320	5775.600	5794.920	PASS
11AC20-CDD	Ant1	5825	19.520	5815.440	5834.960	PASS
	Ant1	5180	19.960	5170.040	5190.000	PASS
	Ant1	5200	19.560	5190.200	5209.760	PASS
	Ant1	5240	20.440	5229.680	5250.120	PASS
	Ant1	5260	20.360	5249.840	5270.200	PASS
	Ant1	5280	19.800	5270.080	5289.880	PASS
	Ant1	5320	19.640	5310.160	5329.800	PASS
	Ant1	5500	20.120	5490.040	5510.160	PASS
	Ant1	5580	20.200	5569.880	5590.080	PASS
	Ant1	5700	19.840	5690.160	5710.000	PASS
	Ant1	5745	19.880	5735.160	5755.040	PASS
11AC40-CDD	Ant1	5785	19.960	5775.200	5795.160	PASS
	Ant1	5825	19.640	5815.400	5835.040	PASS
	Ant1	5190	39.920	5170.320	5210.240	PASS
	Ant1	5230	39.680	5210.320	5250.000	PASS
	Ant1	5270	40.000	5249.840	5289.840	PASS
	Ant1	5310	39.440	5290.640	5330.080	PASS
	Ant1	5510	39.440	5490.640	5530.080	PASS
	Ant1	5550	39.440	5530.320	5569.760	PASS
	Ant1	5670	39.600	5650.160	5689.760	PASS
11AC80-CDD	Ant1	5755	39.040	5735.880	5774.920	PASS
	Ant1	5795	38.720	5775.800	5814.520	PASS
	Ant1	5210	79.840	5170.160	5250.000	PASS
	Ant1	5290	81.280	5249.360	5330.640	PASS
	Ant1	5530	80.480	5490.160	5570.640	PASS
11AC80-CDD	Ant1	5610	80.960	5569.840	5650.800	PASS
	Ant1	5775	80.640	5734.840	5815.480	PASS



12.1.2. Test Graphs





11A-CDD Ant1 5260



11A-CDD Ant1 5280



11A-CDD Ant1 5320



11A-CDD Ant1 5500



11A-CDD Ant1 5580



11A-CDD Ant1 5700



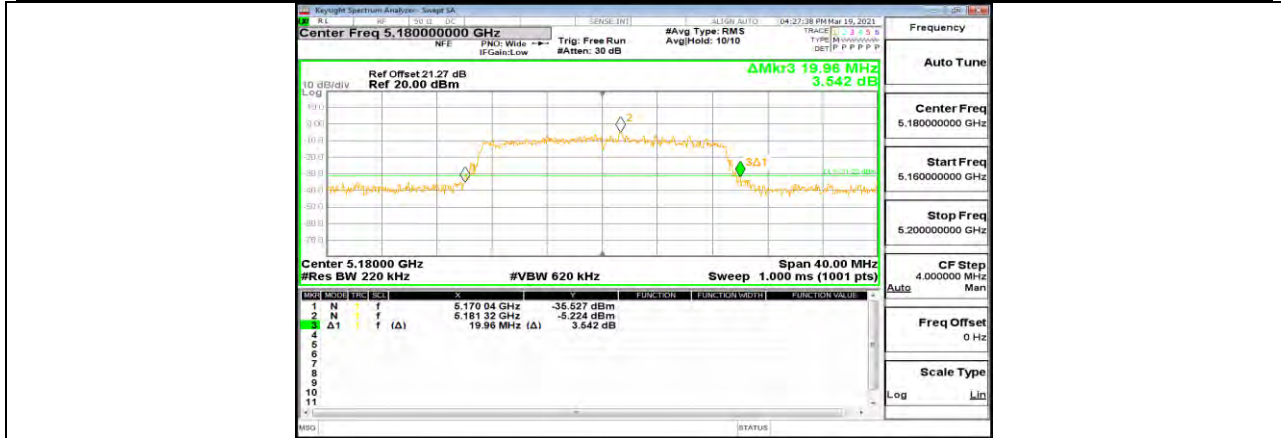
11A-CDD Ant1 5745



11A-CDD Ant1 5785



11A-CDD Ant1 5825



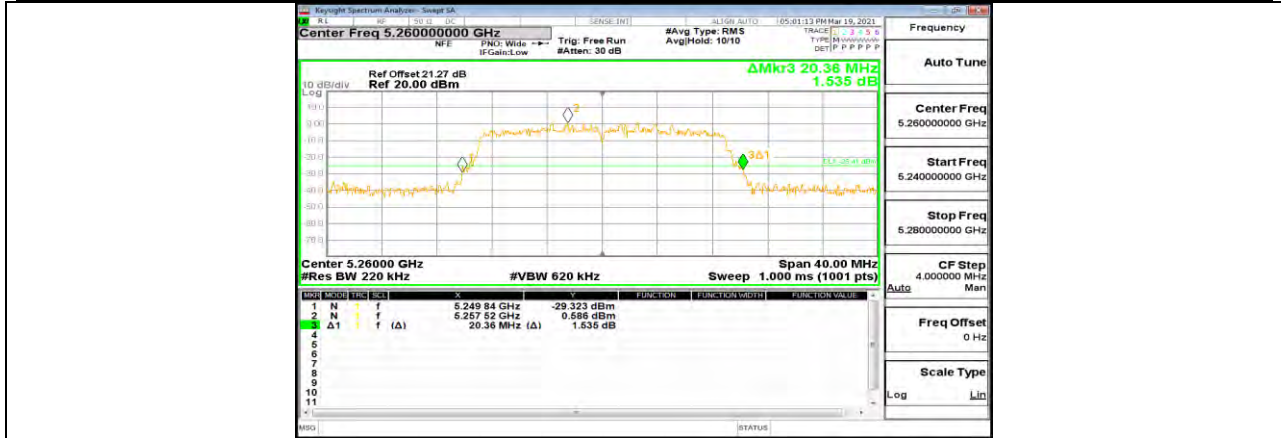
11AC20-CDD Ant1 5180



11AC20-CDD Ant1 5200



11AC20-CDD Ant1 5240



11AC20-CDD Ant1 5260



11AC20-CDD Ant1 5280



11AC20-CDD Ant1 5320



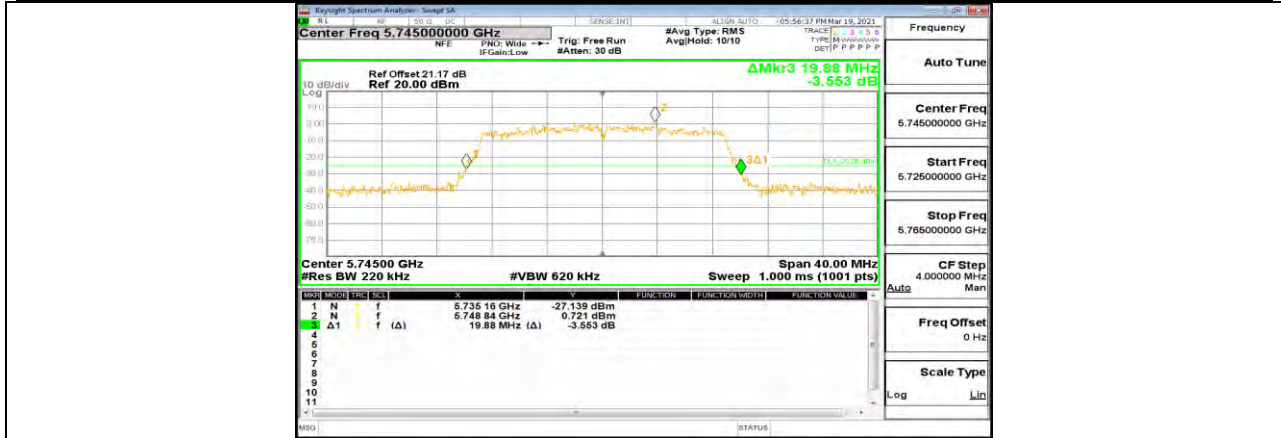
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11AC20-CDD Ant1 5580



11AC20-CDD Ant1 5700



11AC20-CDD Ant1 5745



11AC20-CDD Ant1 5785



11AC20-CDD Ant1 5825



11AC40-CDD Ant1 5190



11AC40-CDD Ant1 5230



11AC40-CDD Ant1 5270



11AC40-CDD Ant1 5310



11AC40-CDD Ant1 5510



11AC40-CDD Ant1 5550



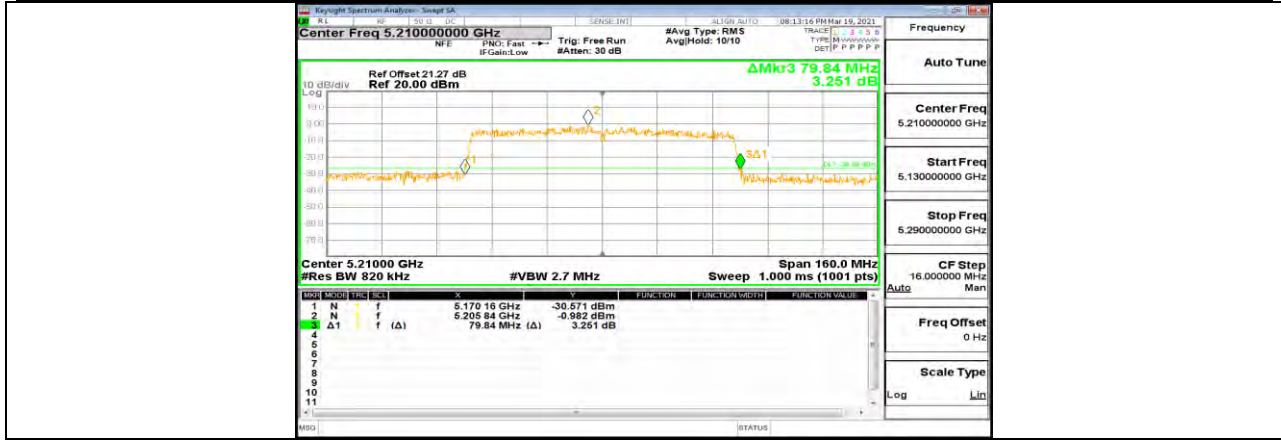
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11AC40-CDD Ant1 5755



11AC40-CDD Ant1 5795



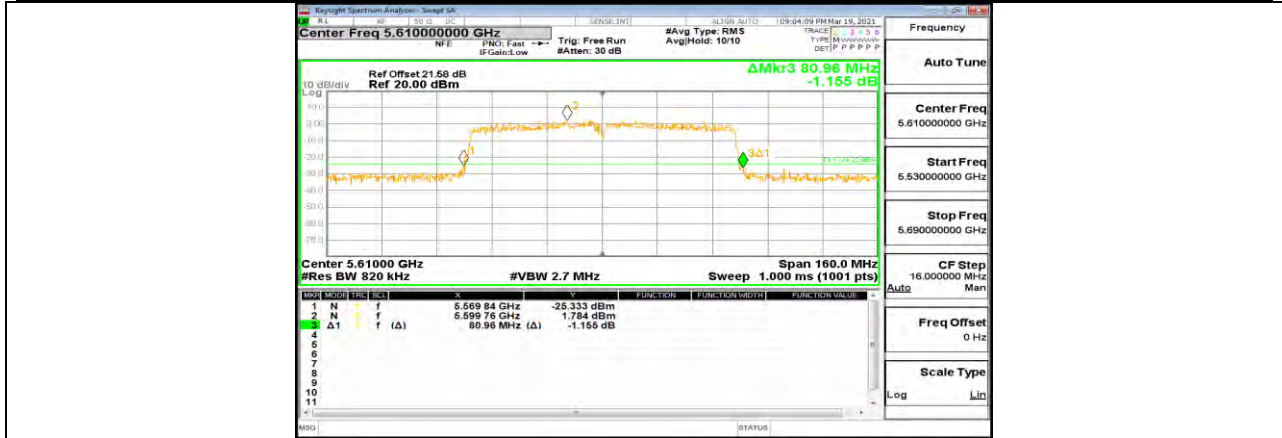
11AC80-CDD Ant1 5210



11AC80-CDD Ant1 5290



11AC80-CDD Ant1 5530



11AC80-CDD Ant1 5610



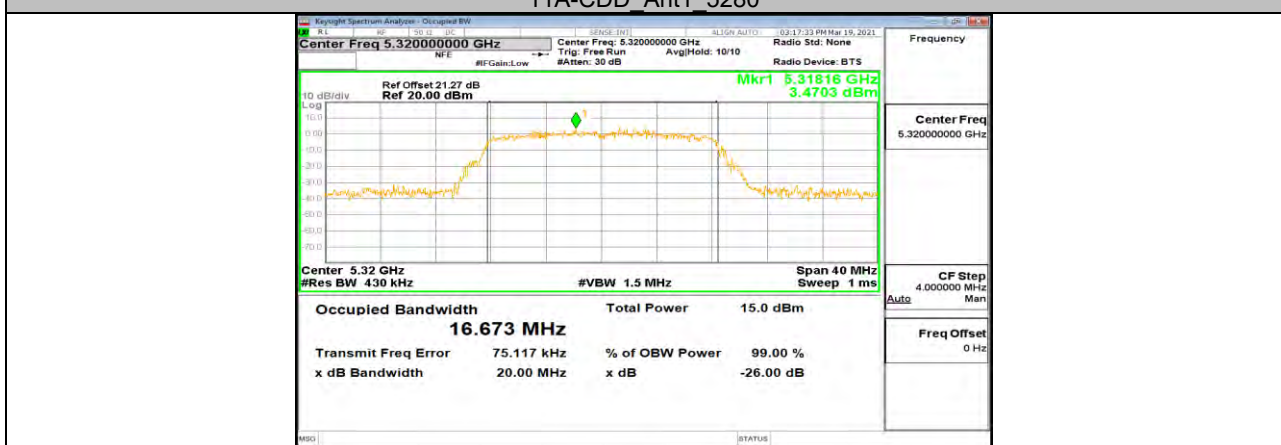
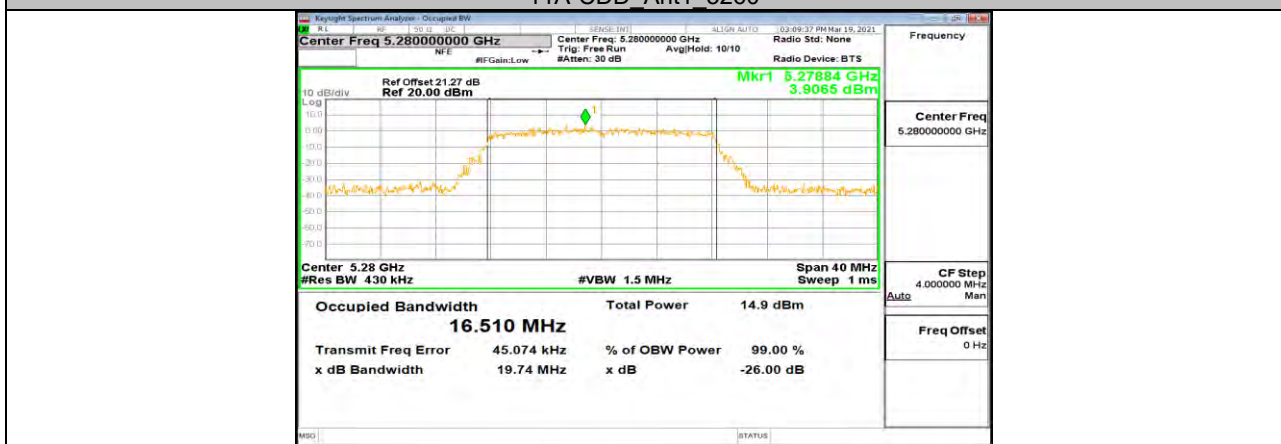
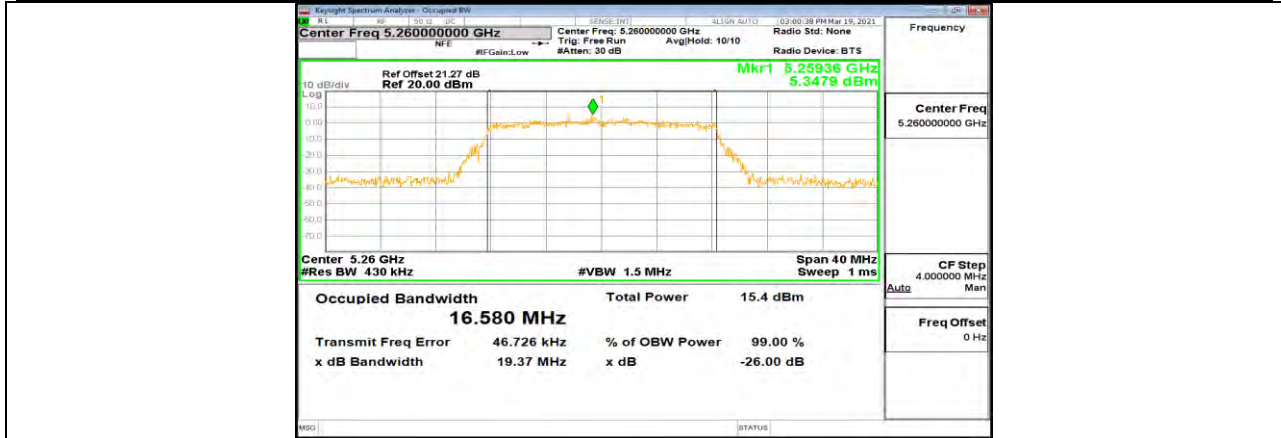
11AC80-CDD Ant1 5775

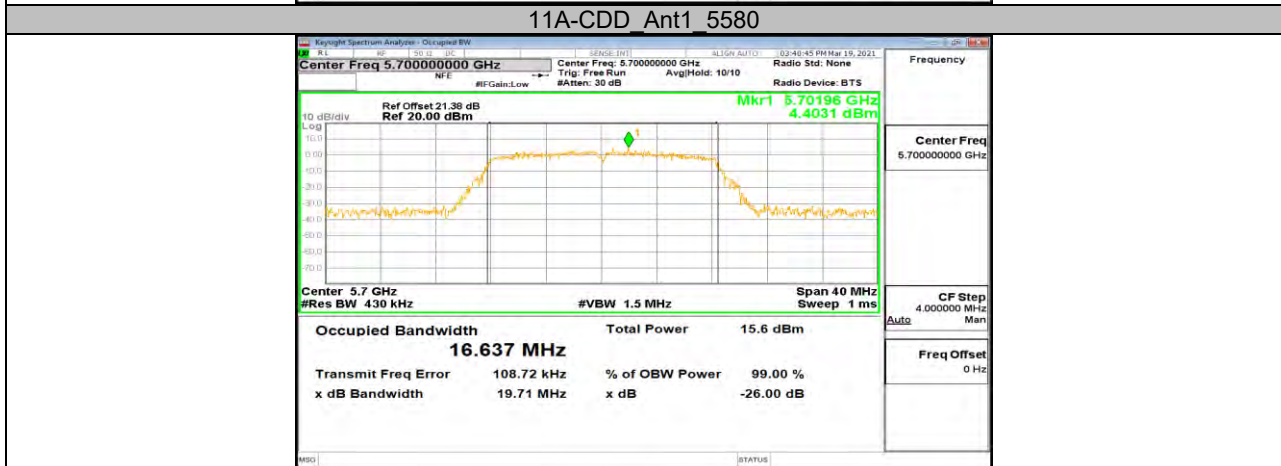
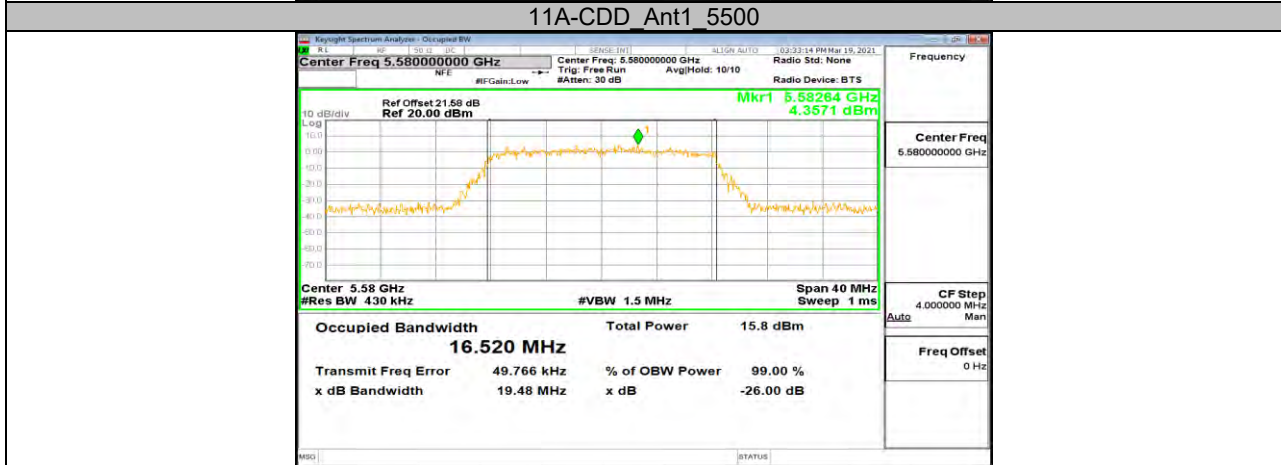
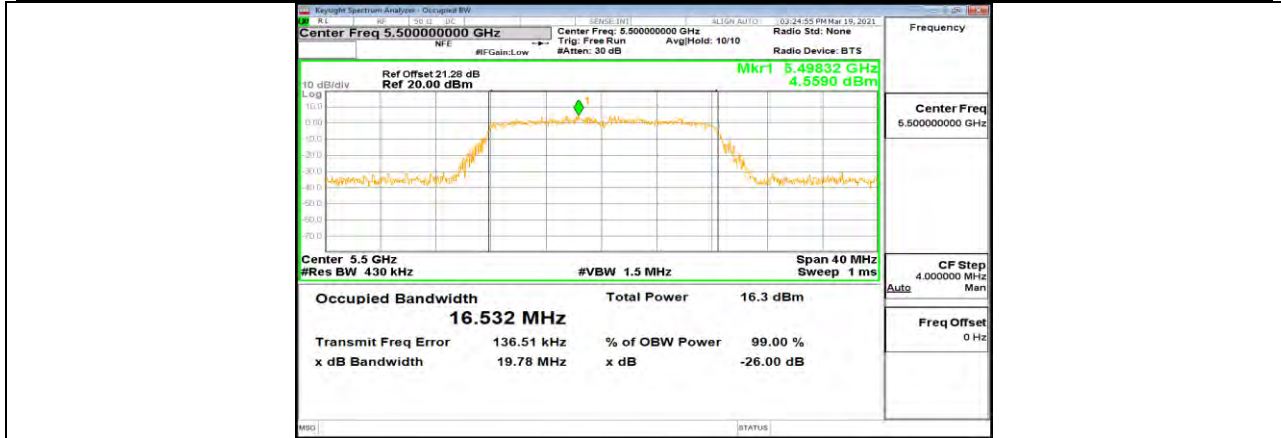
**12.2. Appendix A2: 99% Occupied channel bandwidth****12.2.1. Test Result**

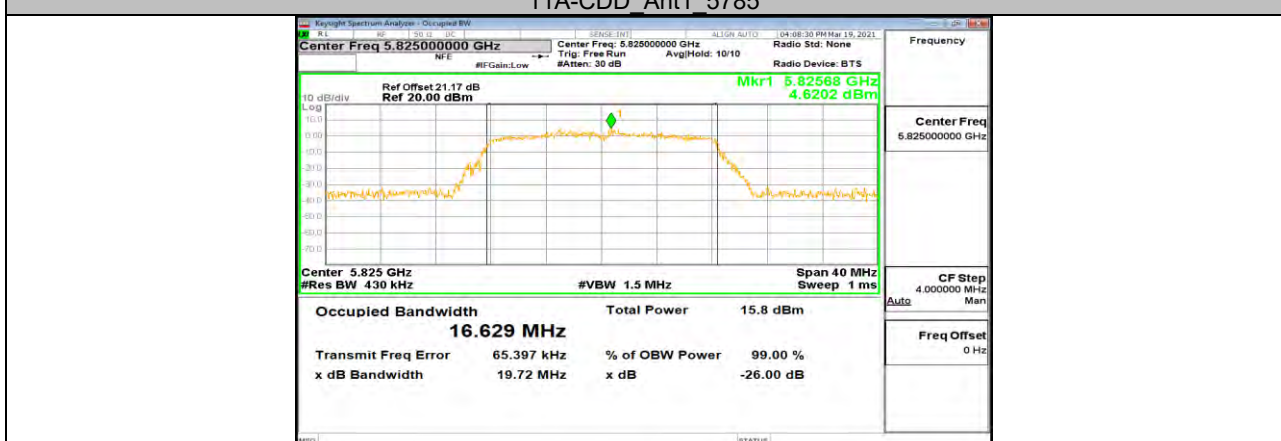
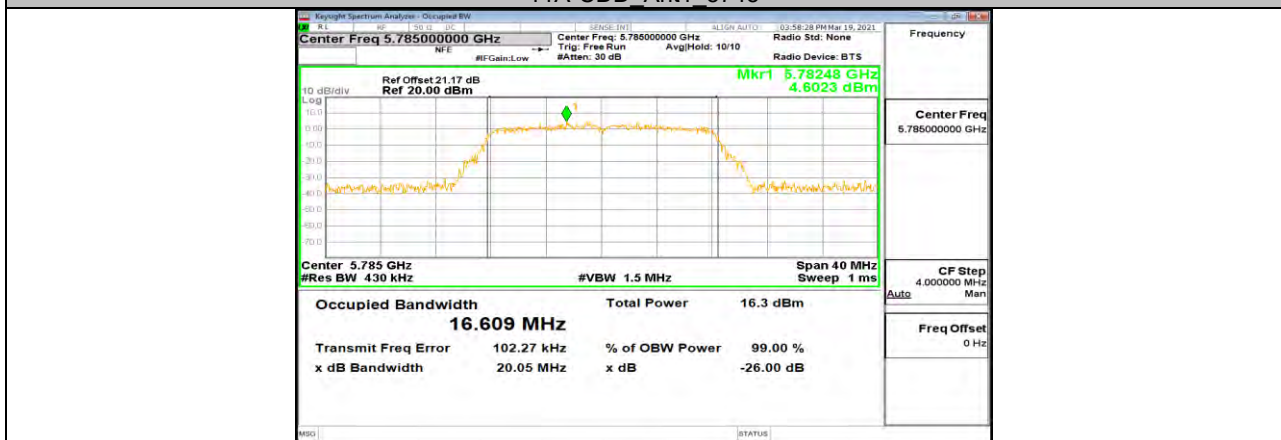
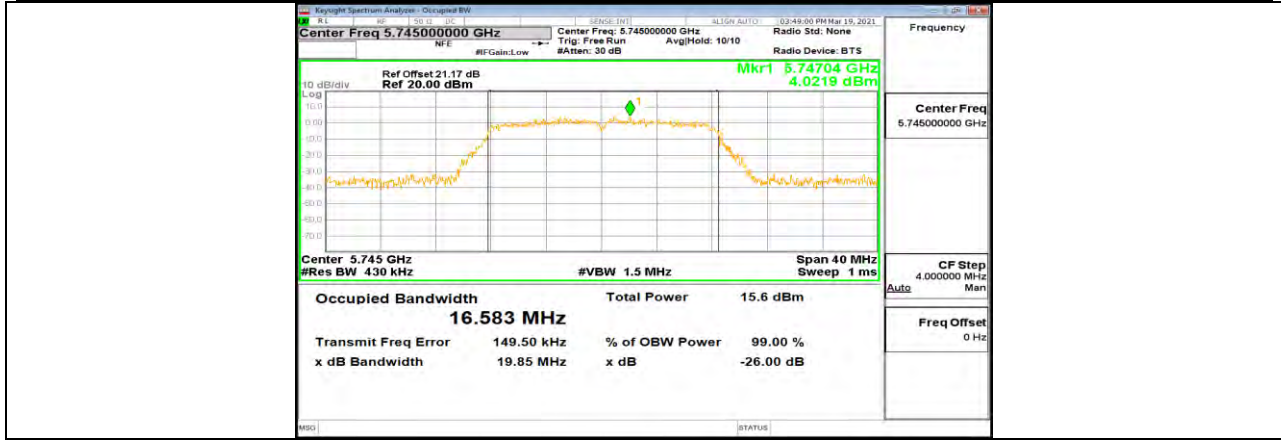
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A-CDD	Ant1	5180	16.573	5171.781	5188.354	PASS
		5200	16.824	5191.663	5208.487	PASS
		5240	16.651	5231.756	5248.407	PASS
		5260	16.580	5251.757	5268.337	PASS
		5280	16.510	5271.790	5288.300	PASS
		5320	16.673	5311.739	5328.412	PASS
		5500	16.532	5491.871	5508.403	PASS
		5580	16.520	5571.790	5588.310	PASS
		5700	16.637	5691.790	5708.427	PASS
		5745	16.583	5736.858	5753.441	PASS
		5785	16.609	5776.798	5793.407	PASS
		5825	16.629	5816.751	5833.380	PASS
11AC20-CDD	Ant1	5180	17.837	5171.140	5188.977	PASS
		5200	17.805	5191.161	5208.966	PASS
		5240	17.695	5231.239	5248.934	PASS
		5260	17.691	5251.206	5268.897	PASS
		5280	17.729	5271.199	5288.928	PASS
		5320	17.690	5311.225	5328.915	PASS
		5500	17.709	5491.216	5508.925	PASS
		5580	17.729	5571.228	5588.957	PASS
		5700	17.598	5691.337	5708.935	PASS
		5745	17.735	5736.215	5753.950	PASS
		5785	17.693	5776.277	5793.970	PASS
		5825	17.656	5816.267	5833.923	PASS
11AC40-CDD	Ant1	5190	36.364	5171.893	5208.257	PASS
		5230	36.318	5211.858	5248.176	PASS
		5270	36.018	5252.034	5288.052	PASS
		5310	36.157	5292.028	5328.185	PASS
		5510	36.128	5492.067	5528.195	PASS
		5550	36.138	5532.013	5568.151	PASS
		5670	36.150	5652.102	5688.252	PASS
		5755	36.104	5737.116	5773.220	PASS
5795	36.178	5777.017	5813.195	PASS		
11AC80-CDD	Ant1	5210	76.000	5172.084	5248.084	PASS
		5290	75.955	5252.226	5328.181	PASS
		5530	75.818	5492.331	5568.149	PASS
		5610	75.711	5572.465	5648.176	PASS
		5775	75.496	5737.585	5813.081	PASS

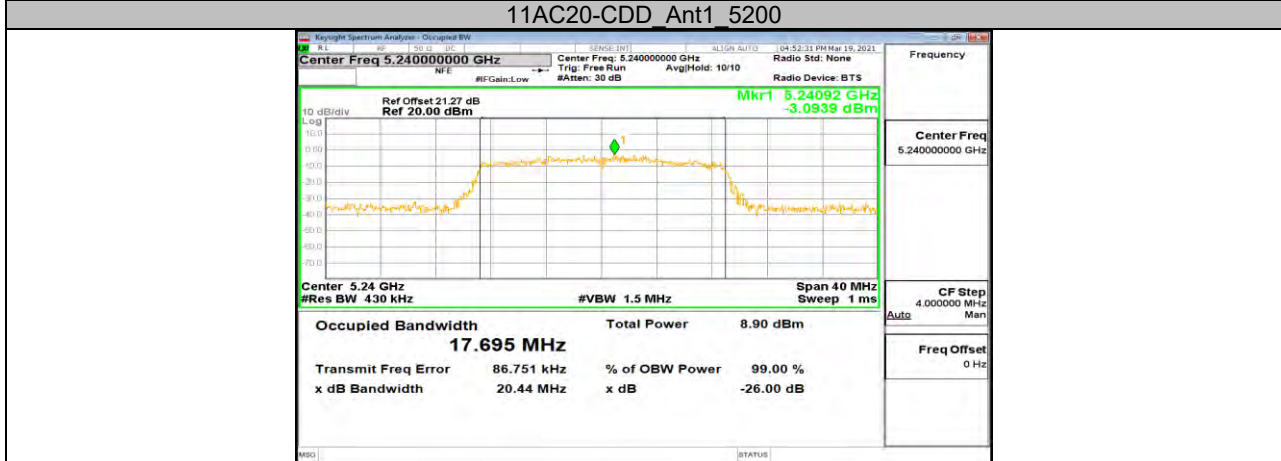
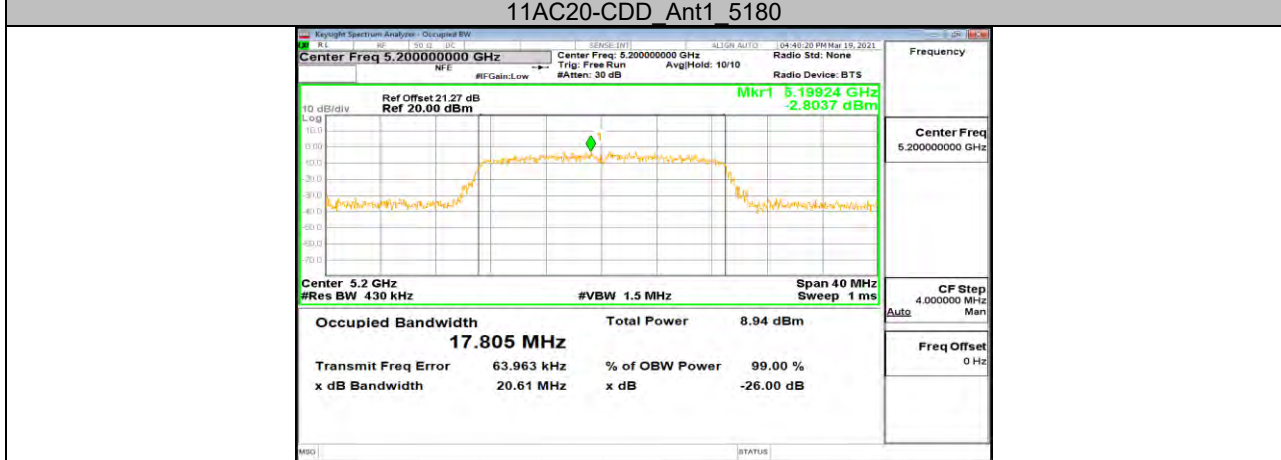
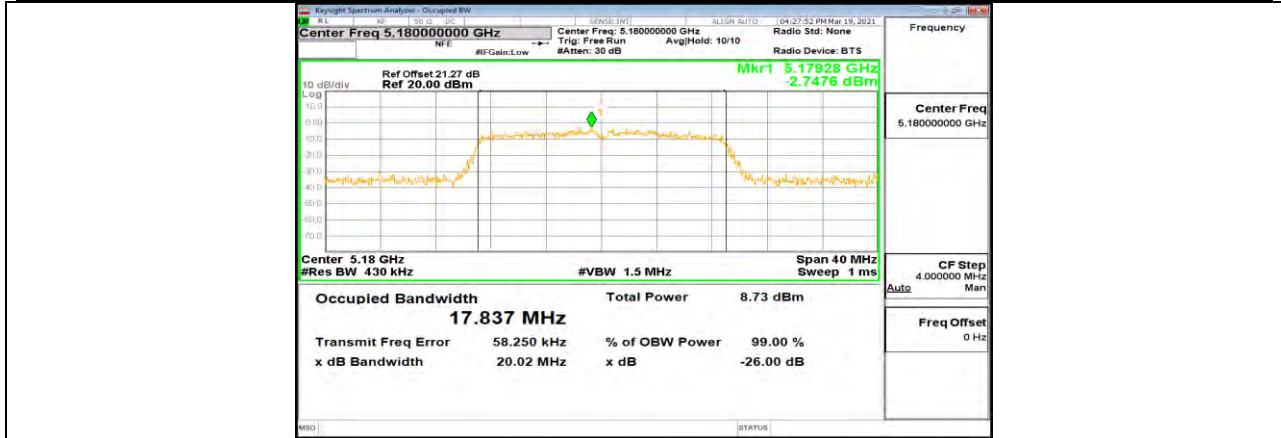
12.2.2. Test Graphs

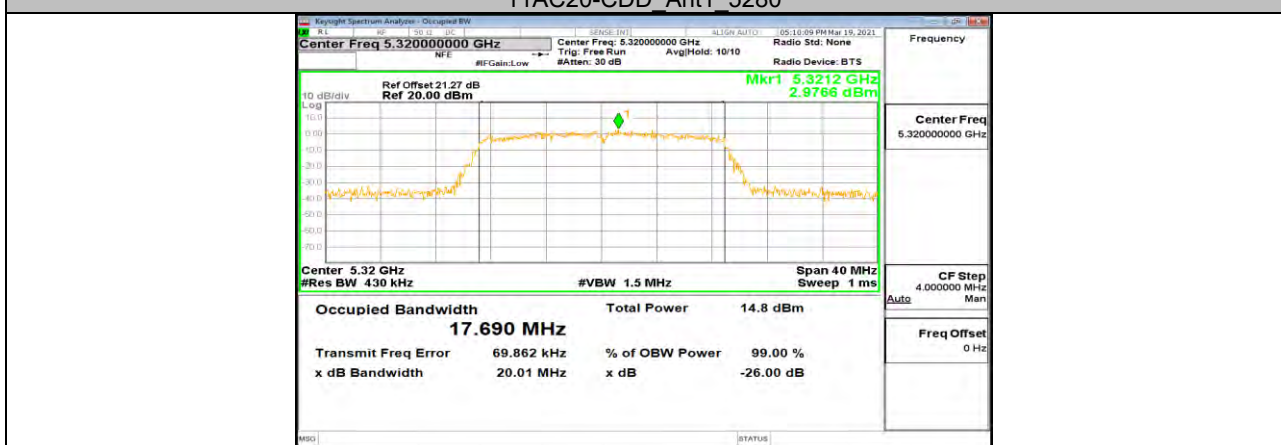
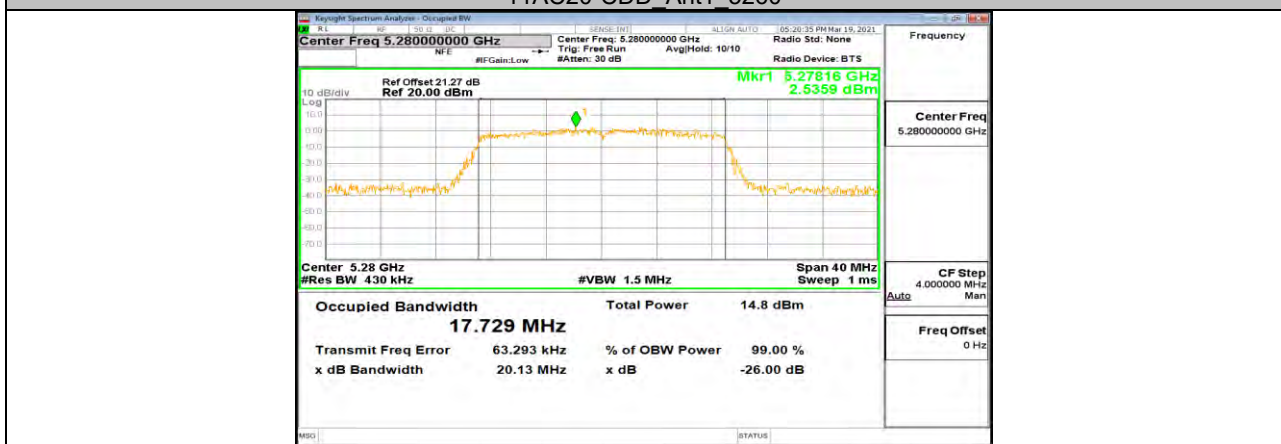
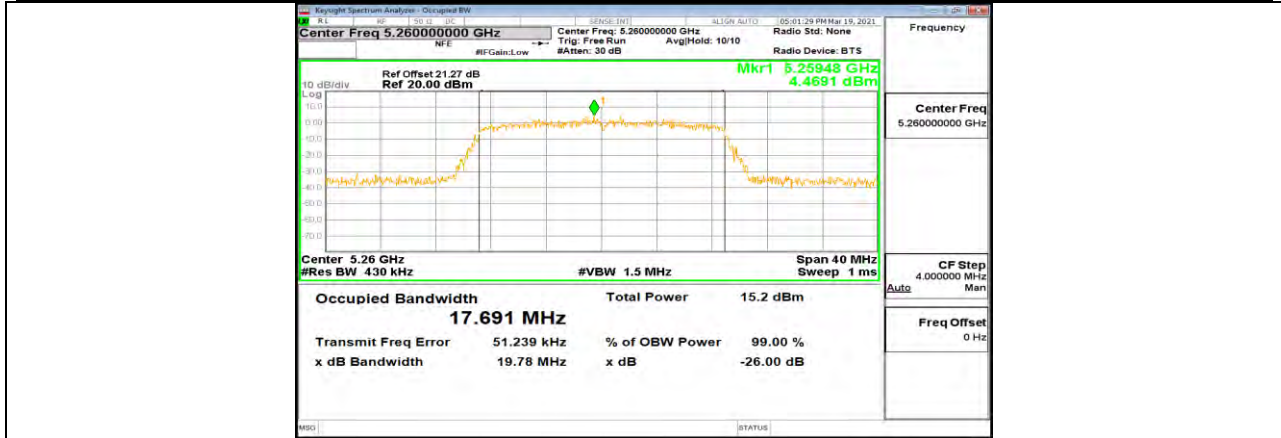


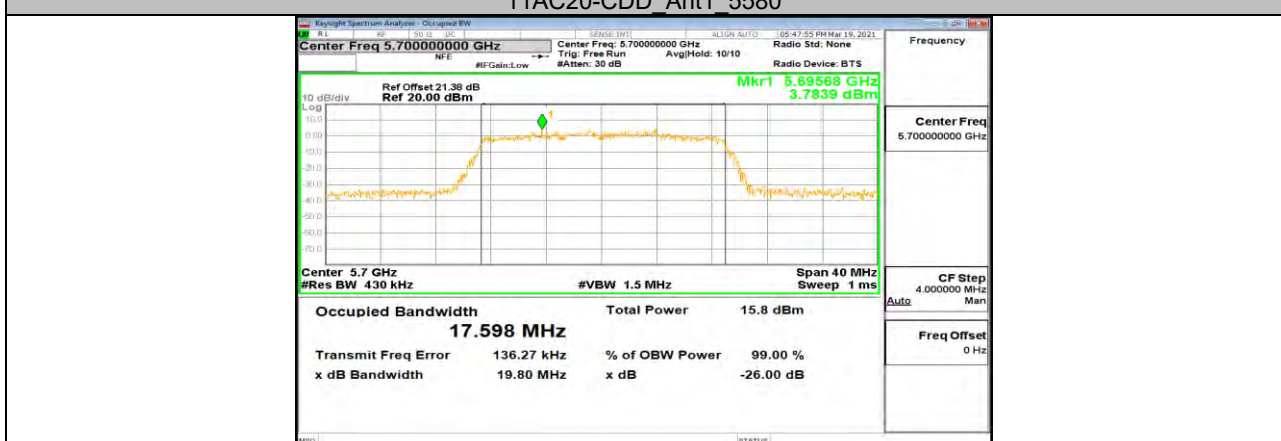
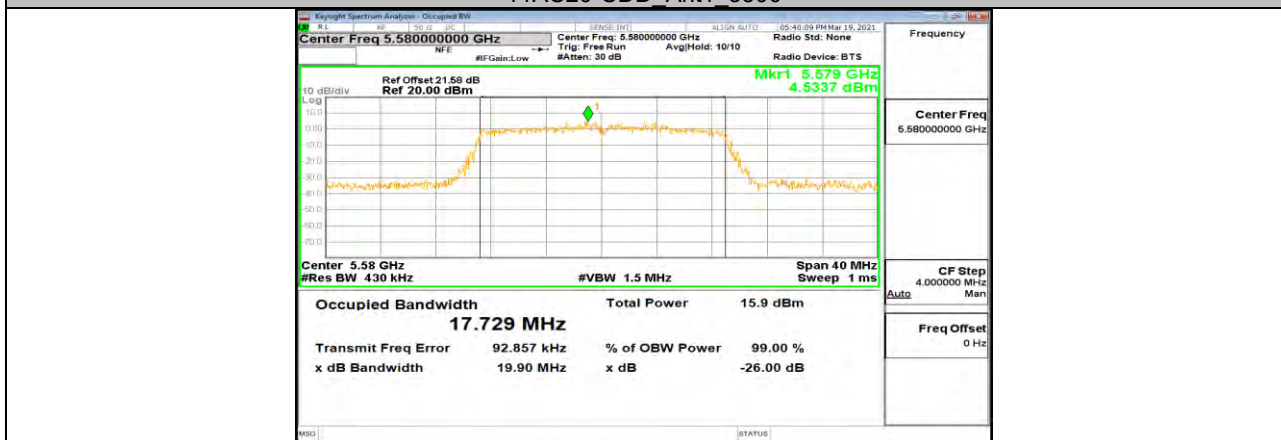
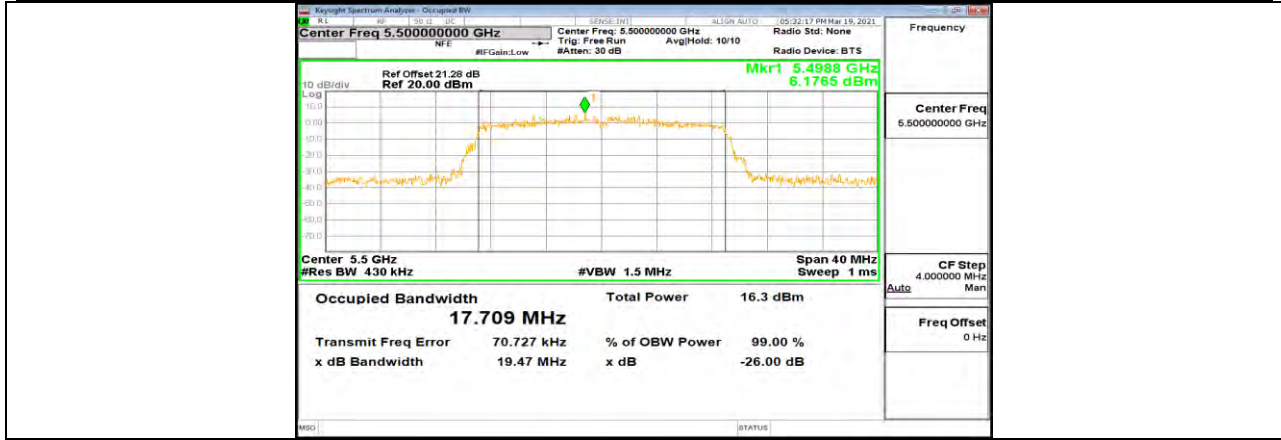


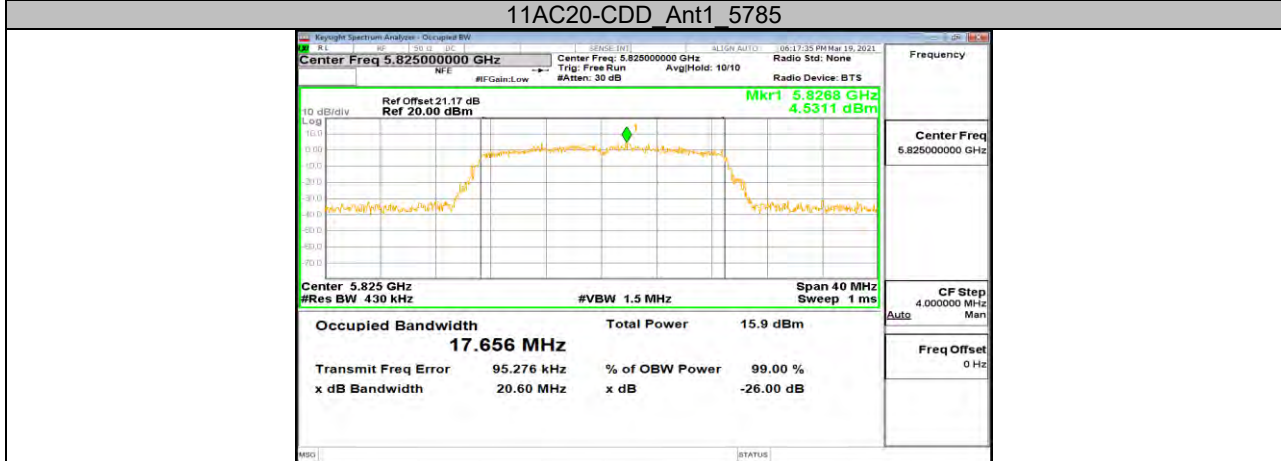
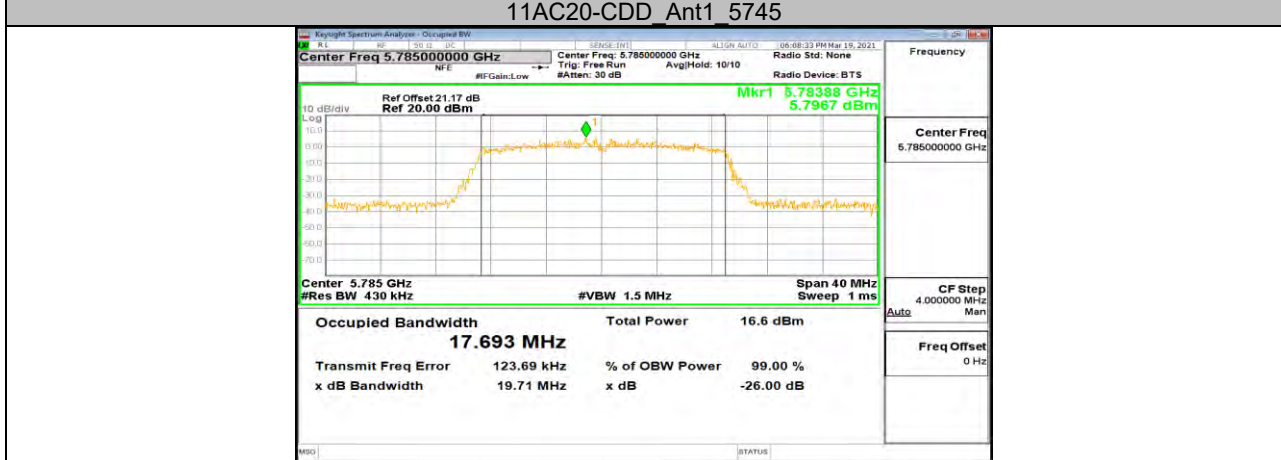
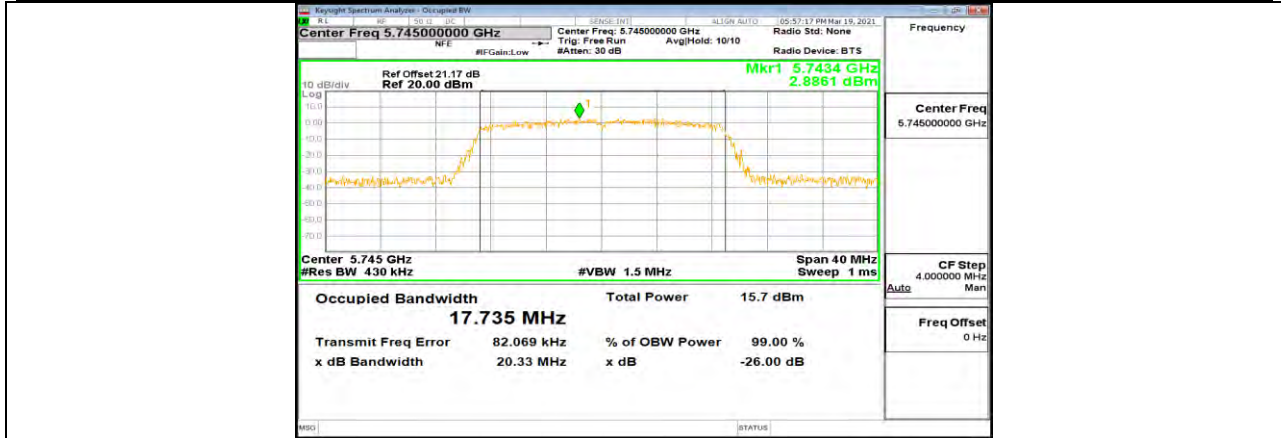


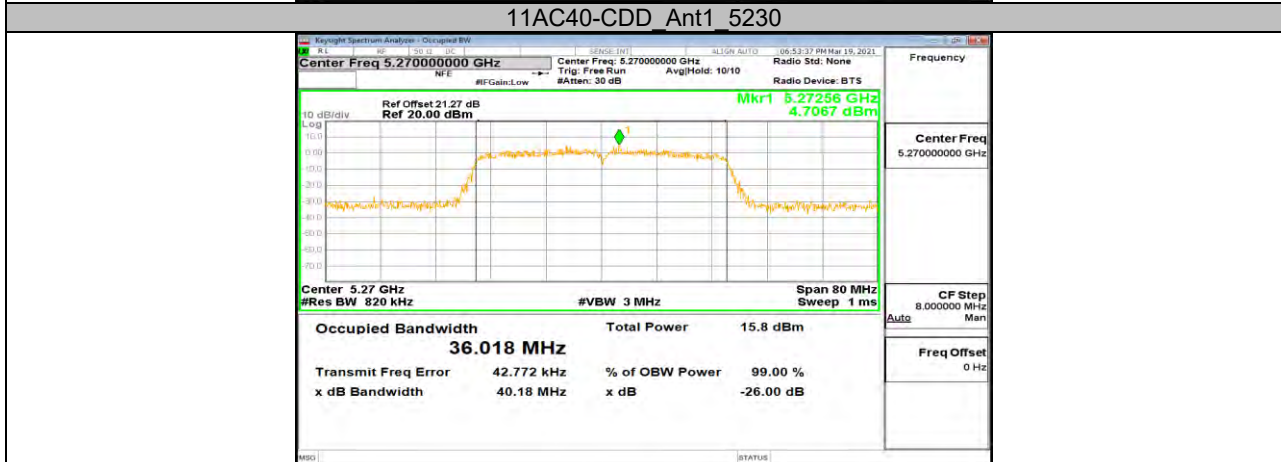
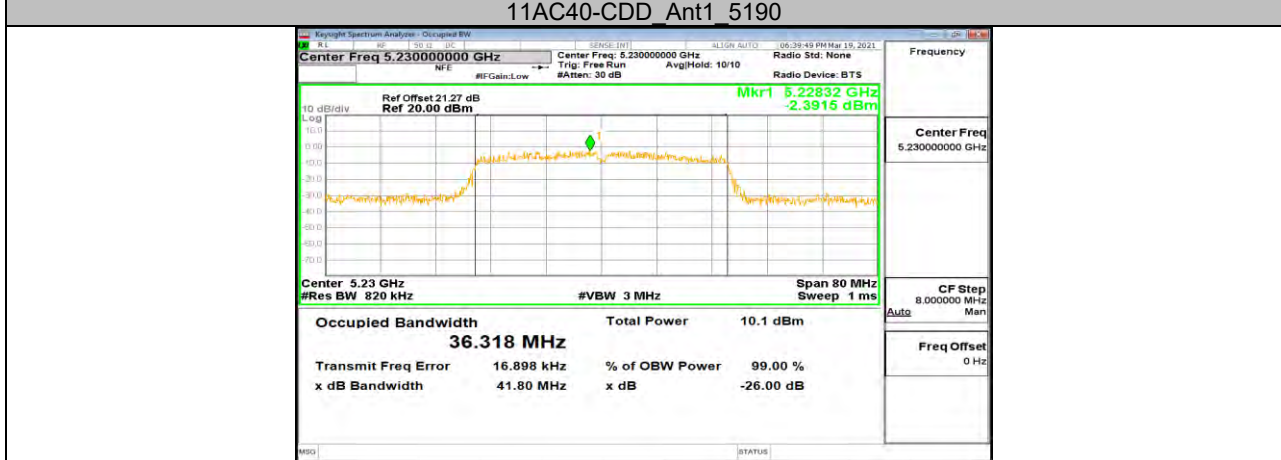
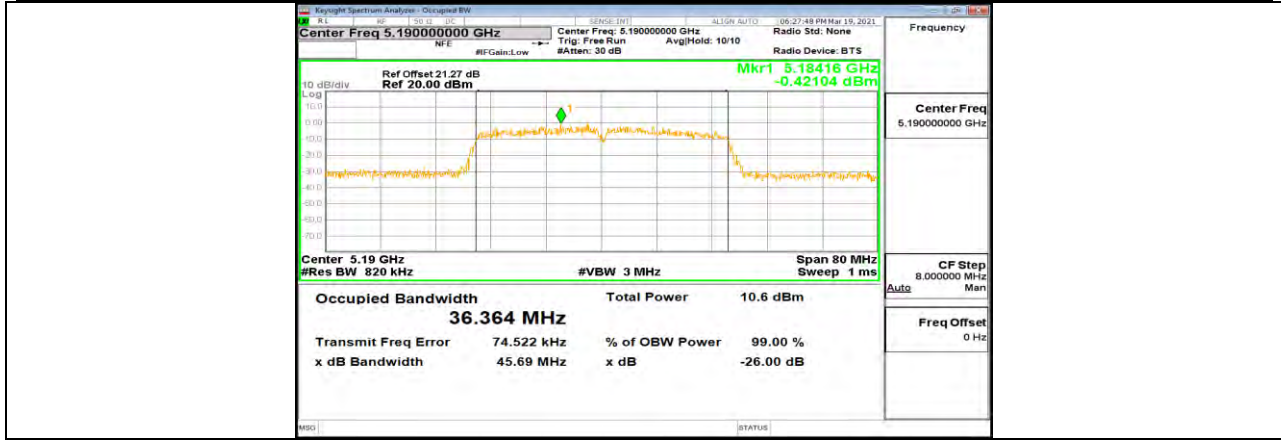




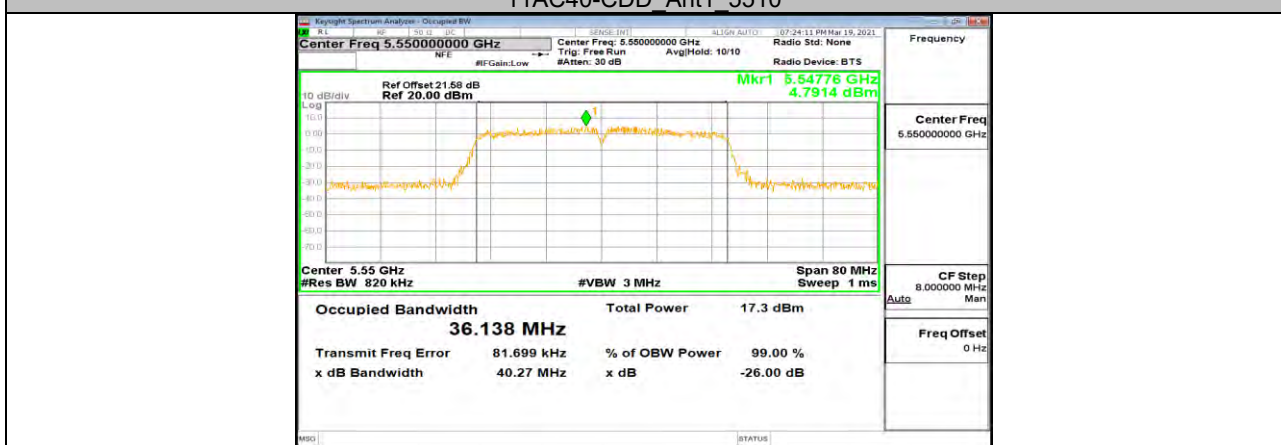
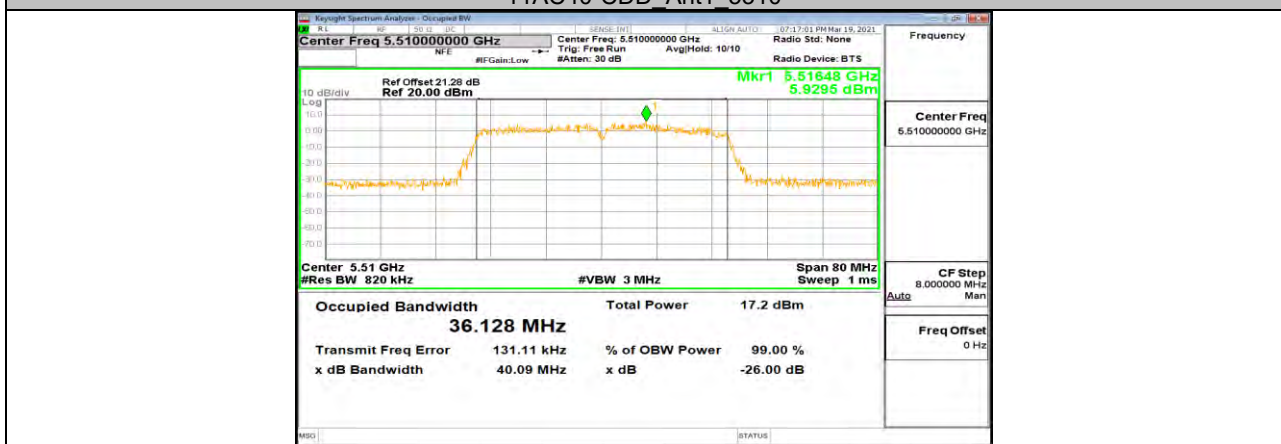
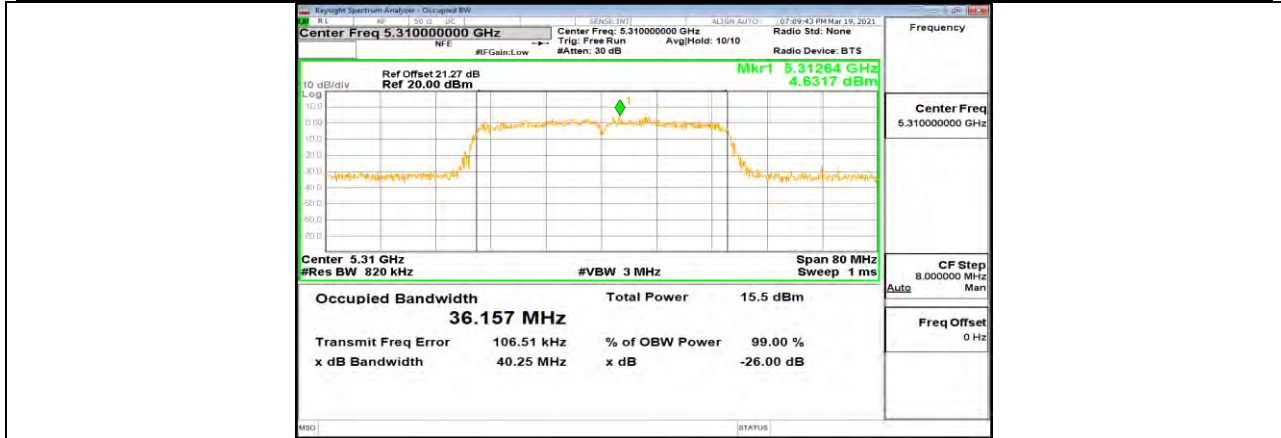


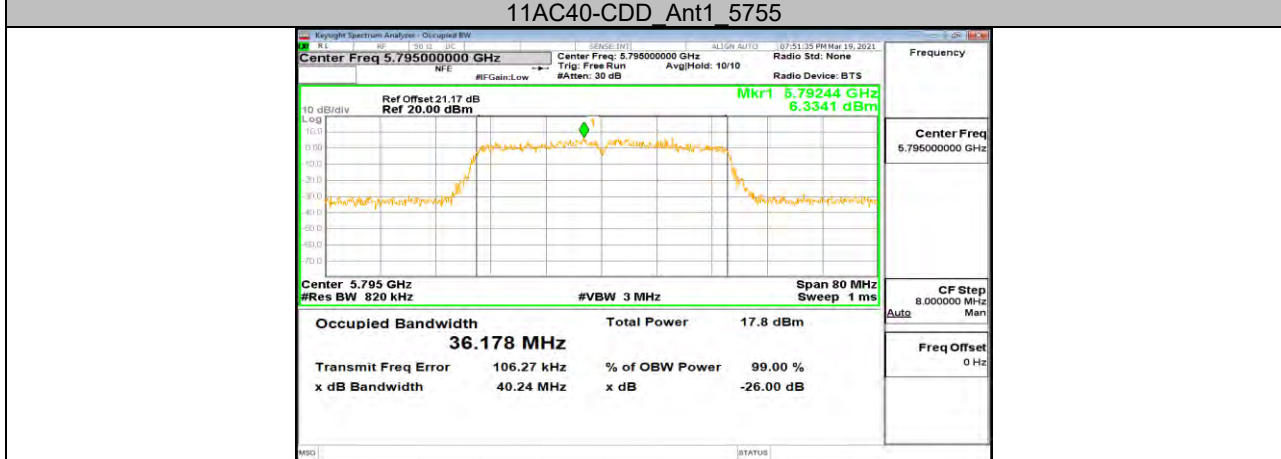
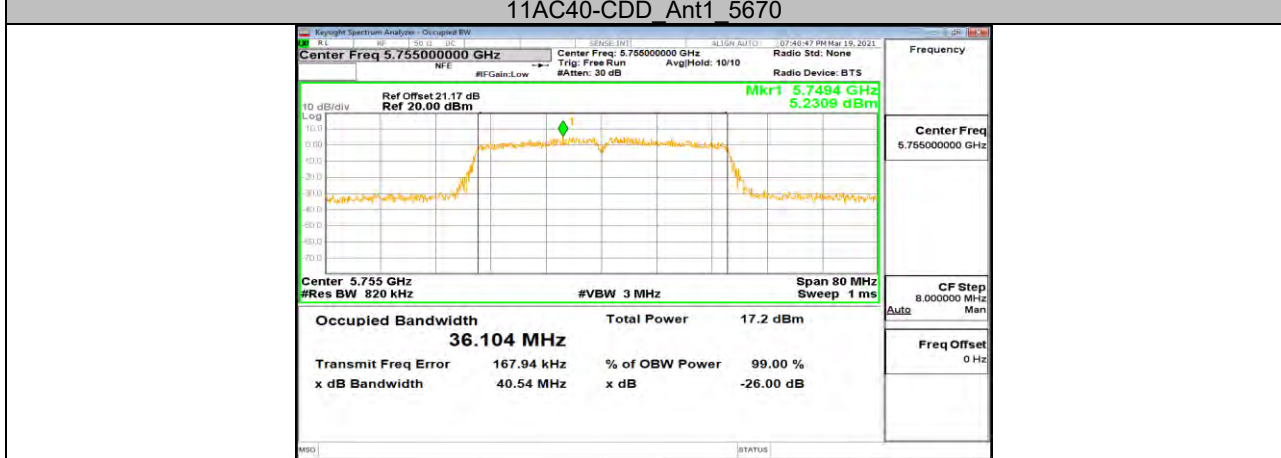
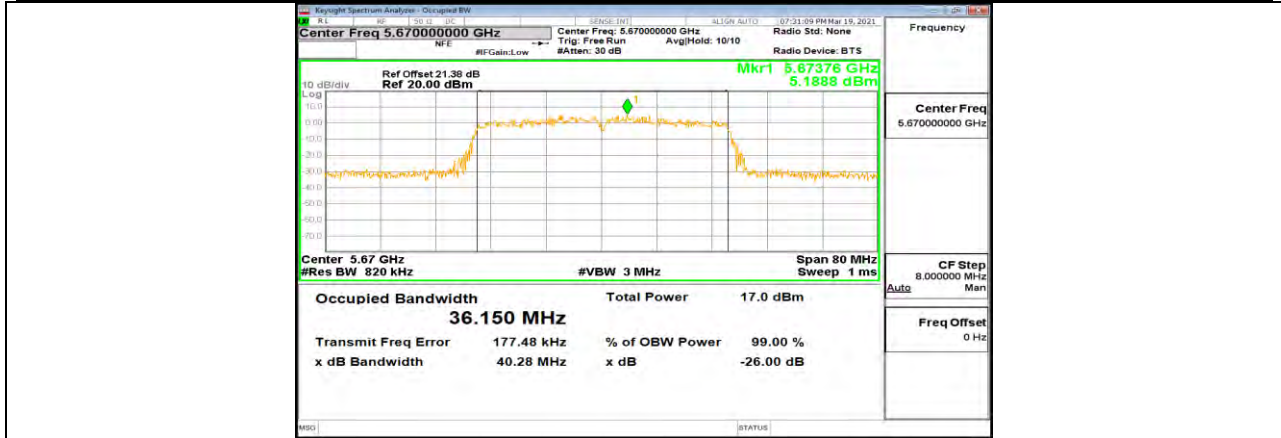


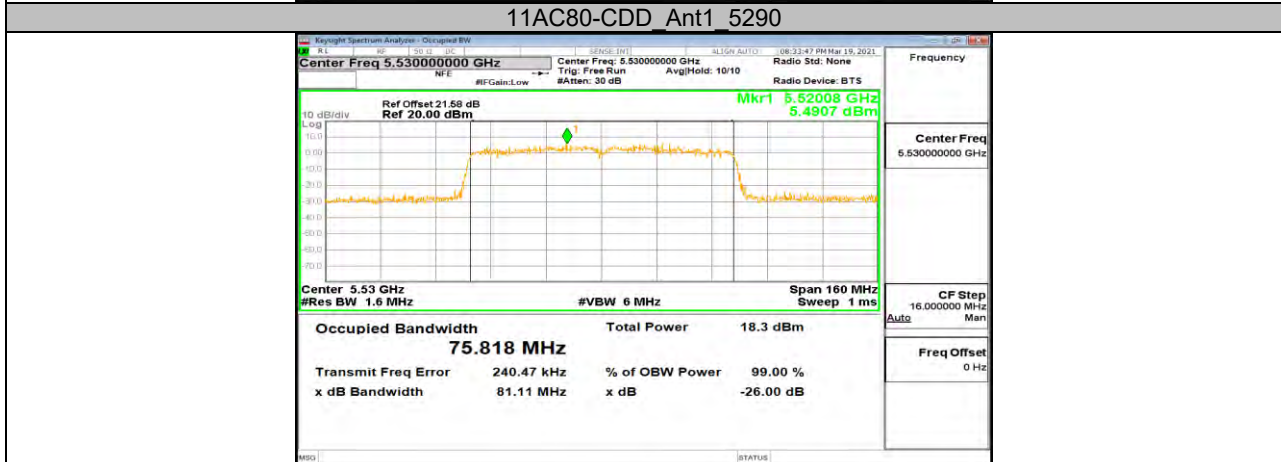
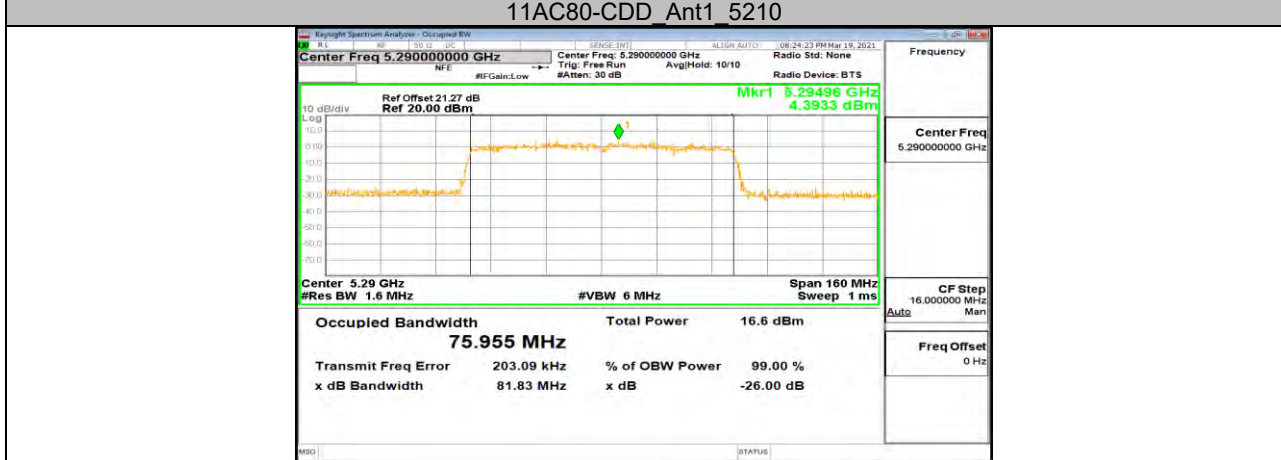
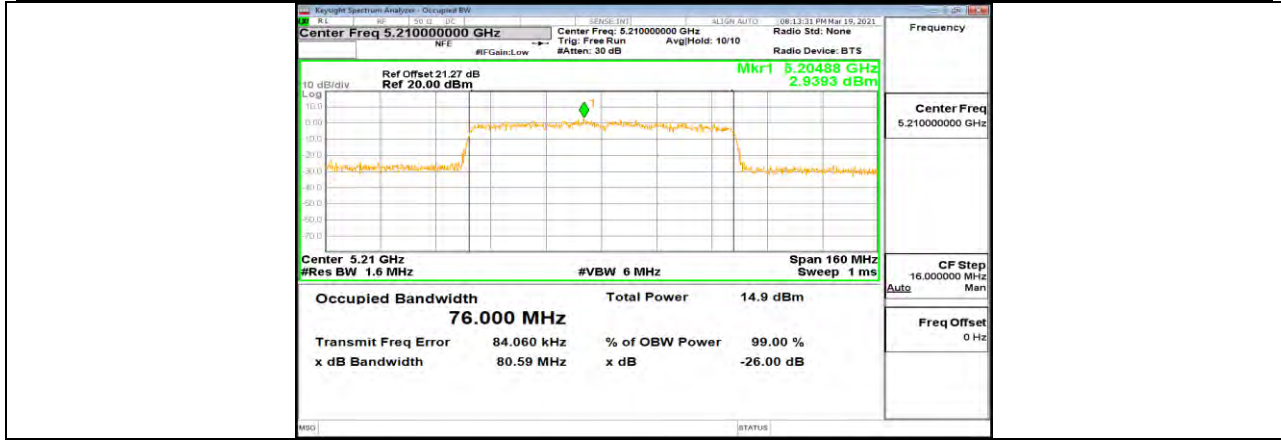


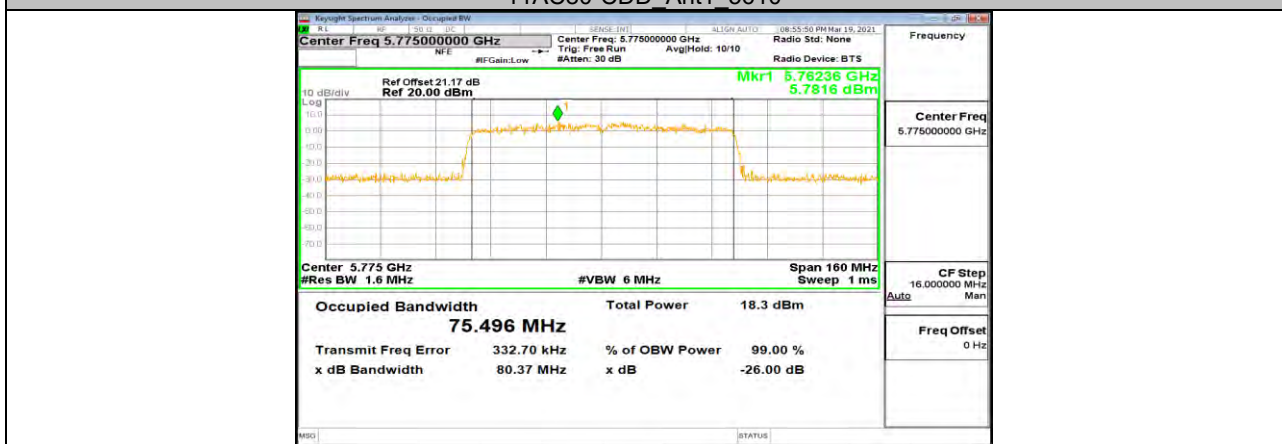
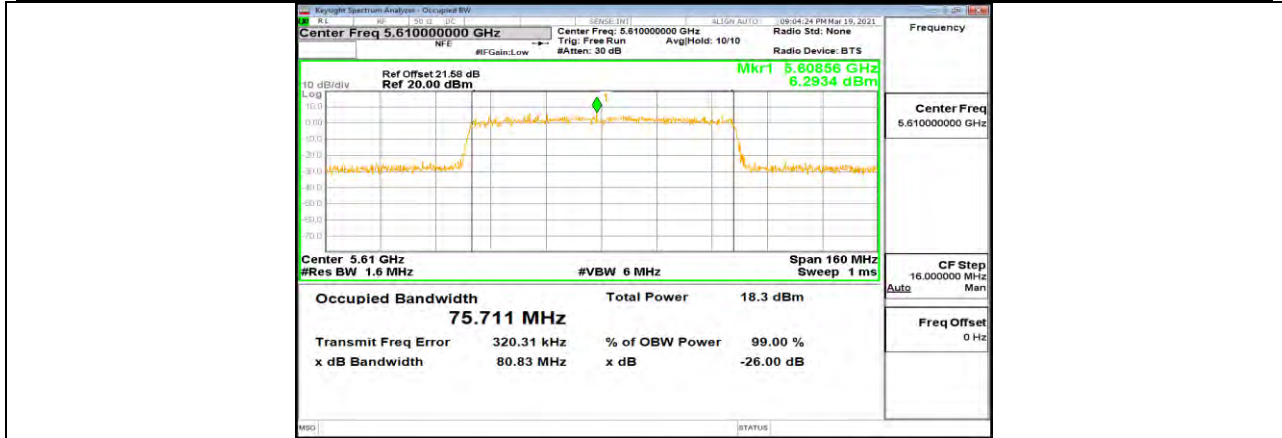


11AC40-CDD Ant1 5270











12.3. Appendix A3: 6dB emission bandwidth

12.3.1. Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	15.690	5737.560	5753.250	0.5	PASS
		5785	16.350	5776.900	5793.250	0.5	PASS
		5825	15.510	5817.470	5832.980	0.5	PASS
11AC20-CDD	Ant1	5745	15.990	5737.470	5753.460	0.5	PASS
		5785	15.090	5777.470	5792.560	0.5	PASS
		5825	15.690	5816.900	5832.590	0.5	PASS
11AC40-CDD	Ant1	5755	35.160	5737.480	5772.640	0.5	PASS
		5795	35.160	5777.480	5812.640	0.5	PASS
11AC80-CDD	Ant1	5775	75.240	5737.440	5812.680	0.5	PASS



12.3.2. Test Graphs





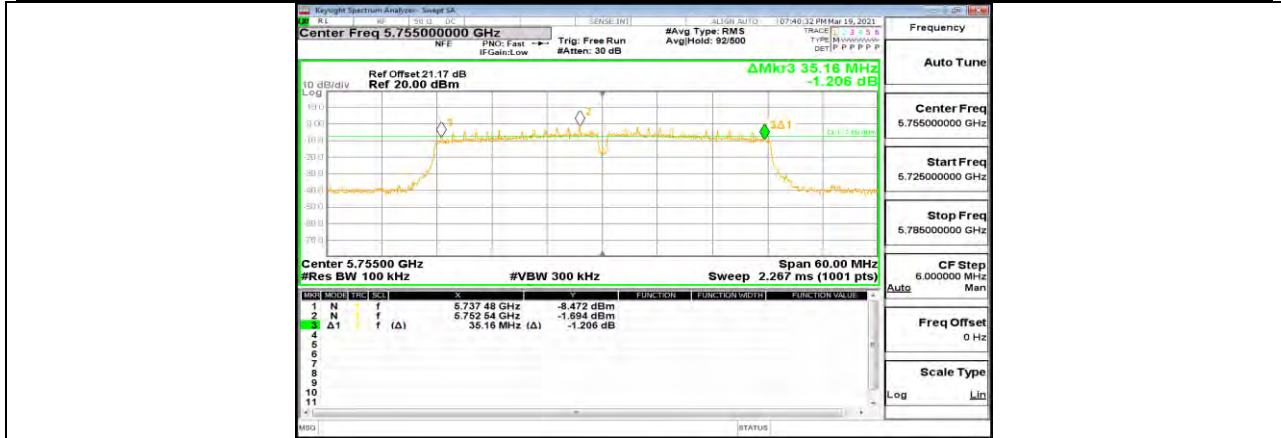
11AC20-CDD Ant1 5745



11AC20-CDD Ant1 5785



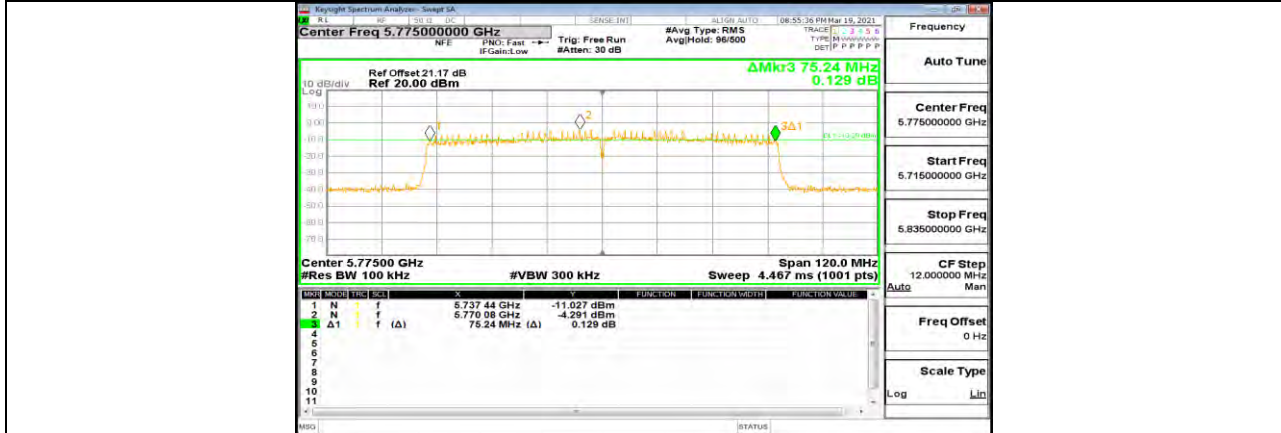
11AC20-CDD Ant1 5825



11AC40-CDD Ant1 5755



11AC40-CDD Ant1 5795



11AC80-CDD Ant1 5775

**12.4. Appendix B: Maximum AVG conducted output power****12.4.1. Test Result**

Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	EIRP [dBm]	Verdict
11A-CDD	Ant1	5180	4.80	<=30	7.80	PASS
	Ant2	5180	3.93	<=30	6.93	PASS
	Ant3	5180	3.87	<=30	6.87	PASS
	Ant4	5180	5.49	<=30	8.49	PASS
	total	5180	10.60	<=30	13.60	PASS
	Ant1	5200	3.71	<=30	6.71	PASS
	Ant2	5200	3.02	<=30	6.02	PASS
	Ant3	5200	3.52	<=30	6.52	PASS
	Ant4	5200	4.79	<=30	7.79	PASS
	total	5200	9.83	<=30	12.83	PASS
	Ant1	5240	4.33	<=30	7.33	PASS
	Ant2	5240	3.26	<=30	6.26	PASS
	Ant3	5240	5.09	<=30	8.09	PASS
	Ant4	5240	4.70	<=30	7.70	PASS
	total	5240	10.42	<=30	13.42	PASS
	Ant1	5260	10.89	<=24	13.89	PASS
	Ant2	5260	10.26	<=24	13.26	PASS
	Ant3	5260	12.75	<=24	15.75	PASS
	Ant4	5260	11.23	<=24	14.23	PASS
	total	5260	17.40	<=24	20.40	PASS
	Ant1	5280	10.42	<=24	13.42	PASS
	Ant2	5280	10.00	<=24	13.00	PASS
	Ant3	5280	12.30	<=24	15.30	PASS
	Ant4	5280	10.71	<=24	13.71	PASS
	total	5280	16.97	<=24	19.97	PASS
	Ant1	5320	10.34	<=24	13.34	PASS
	Ant2	5320	10.81	<=24	13.81	PASS
	Ant3	5320	12.45	<=24	15.45	PASS
	Ant4	5320	10.72	<=24	13.72	PASS
	total	5320	17.18	<=24	20.18	PASS
	Ant1	5500	11.81	<=24	14.81	PASS
	Ant2	5500	9.69	<=24	12.69	PASS
	Ant3	5500	9.89	<=24	12.89	PASS
	Ant4	5500	11.10	<=24	14.10	PASS
	total	5500	16.73	<=24	19.73	PASS
	Ant1	5580	11.16	<=24	14.16	PASS
	Ant2	5580	10.41	<=24	13.41	PASS
	Ant3	5580	11.38	<=24	14.38	PASS
	Ant4	5580	10.61	<=24	13.61	PASS
	total	5580	16.93	<=24	19.93	PASS
	Ant1	5700	11.16	<=24	14.16	PASS
	Ant2	5700	11.25	<=24	14.25	PASS
	Ant3	5700	11.48	<=24	14.48	PASS
	Ant4	5700	11.36	<=24	14.36	PASS
	total	5700	17.33	<=24	20.33	PASS
	Ant1	5745	10.97	<=30	13.97	PASS
	Ant2	5745	10.74	<=30	13.74	PASS
	Ant3	5745	10.43	<=30	13.43	PASS
Ant4	5745	11.94	<=30	14.94	PASS	
total	5745	17.08	<=30	20.08	PASS	
Ant1	5785	11.79	<=30	14.79	PASS	
Ant2	5785	10.54	<=30	13.54	PASS	
Ant3	5785	10.52	<=30	13.52	PASS	
Ant4	5785	12.13	<=30	15.13	PASS	
total	5785	17.33	<=30	20.33	PASS	



	Ant1	5825	11.15	<=30	14.15	PASS
	Ant2	5825	9.78	<=30	12.78	PASS
	Ant3	5825	10.35	<=30	13.35	PASS
	Ant4	5825	11.29	<=30	14.29	PASS
	total	5825	16.71	<=30	19.71	PASS
11AC20-CDD	Ant1	5180	4.45	<=30	7.45	PASS
	Ant2	5180	2.88	<=30	5.88	PASS
	Ant3	5180	3.12	<=30	6.12	PASS
	Ant4	5180	4.79	<=30	7.79	PASS
	total	5180	9.91	<=30	12.91	PASS
	Ant1	5200	4.67	<=30	7.67	PASS
	Ant2	5200	3.18	<=30	6.18	PASS
	Ant3	5200	3.69	<=30	6.69	PASS
	Ant4	5200	5.00	<=30	8.00	PASS
	total	5200	10.22	<=30	13.22	PASS
	Ant1	5240	4.40	<=30	7.40	PASS
	Ant2	5240	3.05	<=30	6.05	PASS
	Ant3	5240	4.89	<=30	7.89	PASS
	Ant4	5240	4.58	<=30	7.58	PASS
	total	5240	10.30	<=30	13.30	PASS
	Ant1	5260	10.60	<=24	13.60	PASS
	Ant2	5260	9.58	<=24	12.58	PASS
	Ant3	5260	12.06	<=24	15.06	PASS
	Ant4	5260	10.84	<=24	13.84	PASS
	total	5260	16.88	<=24	19.88	PASS
	Ant1	5280	10.26	<=24	13.26	PASS
	Ant2	5280	9.79	<=24	12.79	PASS
	Ant3	5280	12.35	<=24	15.35	PASS
	Ant4	5280	10.73	<=24	13.73	PASS
	total	5280	16.92	<=24	19.92	PASS
	Ant1	5320	10.40	<=24	13.40	PASS
	Ant2	5320	10.91	<=24	13.91	PASS
	Ant3	5320	12.64	<=24	15.64	PASS
	Ant4	5320	10.93	<=24	13.93	PASS
	total	5320	17.33	<=24	20.33	PASS
	Ant1	5500	11.75	<=24	14.75	PASS
	Ant2	5500	10.01	<=24	13.01	PASS
	Ant3	5500	10.53	<=24	13.53	PASS
	Ant4	5500	11.49	<=24	14.49	PASS
	total	5500	17.02	<=24	20.02	PASS
	Ant1	5580	11.47	<=24	14.47	PASS
	Ant2	5580	10.74	<=24	13.74	PASS
	Ant3	5580	11.67	<=24	14.67	PASS
	Ant4	5580	10.96	<=24	13.96	PASS
	total	5580	17.25	<=24	20.25	PASS
	Ant1	5700	11.41	<=24	14.41	PASS
	Ant2	5700	11.65	<=24	14.65	PASS
Ant3	5700	11.92	<=24	14.92	PASS	
Ant4	5700	11.75	<=24	14.75	PASS	
total	5700	17.71	<=24	20.71	PASS	
Ant1	5745	11.31	<=30	14.31	PASS	
Ant2	5745	11.42	<=30	14.42	PASS	
Ant3	5745	11.18	<=30	14.18	PASS	
Ant4	5745	12.55	<=30	15.55	PASS	
total	5745	17.67	<=30	20.67	PASS	
Ant1	5785	12.10	<=30	15.10	PASS	
Ant2	5785	11.06	<=30	14.06	PASS	
Ant3	5785	11.21	<=30	14.21	PASS	
Ant4	5785	12.53	<=30	15.53	PASS	
total	5785	17.79	<=30	20.79	PASS	
Ant1	5825	11.42	<=30	14.42	PASS	
Ant2	5825	10.24	<=30	13.24	PASS	



	Ant3	5825	10.94	<=30	13.94	PASS
	Ant4	5825	11.62	<=30	14.62	PASS
	total	5825	17.11	<=30	20.11	PASS
11AC40-CDD	Ant1	5190	5.05	<=30	8.05	PASS
	Ant2	5190	4.25	<=30	7.25	PASS
	Ant3	5190	4.69	<=30	7.69	PASS
	Ant4	5190	5.85	<=30	8.85	PASS
	total	5190	11.02	<=30	14.02	PASS
	Ant1	5230	4.97	<=30	7.97	PASS
	Ant2	5230	3.96	<=30	6.96	PASS
	Ant3	5230	5.57	<=30	8.57	PASS
	Ant4	5230	5.27	<=30	8.27	PASS
	total	5230	11.00	<=30	14.00	PASS
	Ant1	5270	10.47	<=24	13.47	PASS
	Ant2	5270	10.37	<=24	13.37	PASS
	Ant3	5270	12.86	<=24	15.86	PASS
	Ant4	5270	11.32	<=24	14.32	PASS
	total	5270	17.40	<=24	20.40	PASS
	Ant1	5310	10.14	<=24	13.14	PASS
	Ant2	5310	11.30	<=24	14.30	PASS
	Ant3	5310	13.13	<=24	16.13	PASS
	Ant4	5310	11.28	<=24	14.28	PASS
	total	5310	17.62	<=24	20.62	PASS
	Ant1	5510	11.92	<=24	14.92	PASS
	Ant2	5510	10.36	<=24	13.36	PASS
	Ant3	5510	11.01	<=24	14.01	PASS
	Ant4	5510	11.58	<=24	14.58	PASS
	total	5510	17.28	<=24	20.28	PASS
	Ant1	5550	11.83	<=24	14.83	PASS
	Ant2	5550	10.88	<=24	13.88	PASS
	Ant3	5550	11.58	<=24	14.58	PASS
	Ant4	5550	11.74	<=24	14.74	PASS
	total	5550	17.54	<=24	20.54	PASS
	Ant1	5670	11.82	<=24	14.82	PASS
	Ant2	5670	12.21	<=24	15.21	PASS
	Ant3	5670	12.65	<=24	15.65	PASS
	Ant4	5670	12.24	<=24	15.24	PASS
	total	5670	18.26	<=24	21.26	PASS
	Ant1	5755	11.96	<=30	14.96	PASS
	Ant2	5755	11.87	<=30	14.87	PASS
	Ant3	5755	11.78	<=30	14.78	PASS
	Ant4	5755	13.14	<=30	16.14	PASS
	total	5755	18.25	<=30	21.25	PASS
Ant1	5795	12.76	<=30	15.76	PASS	
Ant2	5795	11.68	<=30	14.68	PASS	
Ant3	5795	11.72	<=30	14.72	PASS	
Ant4	5795	13.09	<=30	16.09	PASS	
total	5795	18.38	<=30	21.38	PASS	
11AC80-CDD	Ant1	5210	9.11	<=30	12.11	PASS
	Ant2	5210	7.84	<=30	10.84	PASS
	Ant3	5210	9.16	<=30	12.16	PASS
	Ant4	5210	9.49	<=30	12.49	PASS
	total	5210	14.96	<=30	17.96	PASS
	Ant1	5290	11.05	<=24	14.05	PASS
	Ant2	5290	11.48	<=24	14.48	PASS
	Ant3	5290	13.44	<=24	16.44	PASS
	Ant4	5290	11.77	<=24	14.77	PASS
	total	5290	18.06	<=24	21.06	PASS
	Ant1	5530	12.86	<=24	15.86	PASS
	Ant2	5530	11.33	<=24	14.33	PASS
	Ant3	5530	11.89	<=24	14.89	PASS
Ant4	5530	12.70	<=24	15.70	PASS	



	total	5530	18.26	<=24	21.26	PASS
	Ant1	5610	12.59	<=24	15.59	PASS
	Ant2	5610	12.03	<=24	15.03	PASS
	Ant3	5610	12.88	<=24	15.88	PASS
	Ant4	5610	12.46	<=24	15.46	PASS
	total	5610	18.52	<=24	21.52	PASS
	Ant1	5775	12.83	<=30	15.83	PASS
	Ant2	5775	12.09	<=30	15.09	PASS
	Ant3	5775	12.32	<=30	15.32	PASS
	Ant4	5775	13.46	<=30	16.46	PASS
	total	5775	18.73	<=30	21.73	PASS

Note : The Duty Cycle Factor is compensated in the graph.

**12.5. Appendix C: Maximum power spectral density****12.5.1. Test Result**

Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A-CDD	Ant1	5180	-5.30	13.98	3.72	10	PASS
	Ant2	5180	-6.27	13.98	2.75	10	PASS
	Ant3	5180	-6.43	13.98	2.59	10	PASS
	Ant4	5180	-4.77	13.98	4.25	10	PASS
	total	5180	0.38	13.98	9.40	10	PASS
	Ant1	5200	-6.35	13.98	2.67	10	PASS
	Ant2	5200	-7.34	13.98	1.68	10	PASS
	Ant3	5200	-6.67	13.98	2.35	10	PASS
	Ant4	5200	-5.44	13.98	3.58	10	PASS
	total	5200	-0.37	13.98	8.65	10	PASS
	Ant1	5240	-5.94	13.98	3.08	10	PASS
	Ant2	5240	-7.12	13.98	1.90	10	PASS
	Ant3	5240	-5.20	13.98	3.82	10	PASS
	Ant4	5240	-5.63	13.98	3.39	10	PASS
	total	5240	0.10	13.98	9.12	10	PASS
	Ant1	5260	0.35	7.98	---	---	PASS
	Ant2	5260	0.13	7.98	---	---	PASS
	Ant3	5260	2.5	7.98	---	---	PASS
	Ant4	5260	0.98	7.98	---	---	PASS
	total	5260	7.11	7.98	---	---	PASS
	Ant1	5280	0.06	7.98	---	---	PASS
	Ant2	5280	-0.27	7.98	---	---	PASS
	Ant3	5280	2.08	7.98	---	---	PASS
	Ant4	5280	0.44	7.98	---	---	PASS
	total	5280	6.70	7.98	---	---	PASS
	Ant1	5320	-0.06	7.98	---	---	PASS
	Ant2	5320	0.51	7.98	---	---	PASS
	Ant3	5320	1.89	7.98	---	---	PASS
	Ant4	5320	0.67	7.98	---	---	PASS
	total	5320	6.83	7.98	---	---	PASS
	Ant1	5500	1.61	7.98	---	---	PASS
	Ant2	5500	-0.47	7.98	---	---	PASS
	Ant3	5500	-0.57	7.98	---	---	PASS
	Ant4	5500	1.07	7.98	---	---	PASS
	total	5500	6.53	7.98	---	---	PASS
	Ant1	5580	0.96	7.98	---	---	PASS
	Ant2	5580	0.42	7.98	---	---	PASS
	Ant3	5580	1.12	7.98	---	---	PASS
	Ant4	5580	0.31	7.98	---	---	PASS
	total	5580	6.74	7.98	---	---	PASS
Ant1	5700	1.35	7.98	---	---	PASS	
Ant2	5700	0.77	7.98	---	---	PASS	
Ant3	5700	1.29	7.98	---	---	PASS	
Ant4	5700	1.4	7.98	---	---	PASS	
total	5700	7.23	7.98	---	---	PASS	
Ant1	5745	-1.94	26.98	---	---	PASS	
Ant2	5745	-2.28	26.98	---	---	PASS	
Ant3	5745	-2.67	26.98	---	---	PASS	
Ant4	5745	-0.86	26.98	---	---	PASS	
total	5745	4.14	26.98	---	---	PASS	
Ant1	5785	-1.29	26.98	---	---	PASS	
Ant2	5785	-2.53	26.98	---	---	PASS	
Ant3	5785	-2.2	26.98	---	---	PASS	
Ant4	5785	-0.82	26.98	---	---	PASS	
total	5785	4.36	26.98	---	---	PASS	



	Ant1	5825	-2.03	26.98	---	---	PASS
	Ant2	5825	-3.18	26.98	---	---	PASS
	Ant3	5825	-2.56	26.98	---	---	PASS
	Ant4	5825	-1.46	26.98	---	---	PASS
	total	5825	3.76	26.98	---	---	PASS
11AC20-CDD	Ant1	5180	-6.11	13.98	2.91	10	PASS
	Ant2	5180	-7.42	13.98	1.60	10	PASS
	Ant3	5180	-7.23	13.98	1.79	10	PASS
	Ant4	5180	-5.82	13.98	3.20	10	PASS
	total	5180	-0.57	13.98	8.45	10	PASS
	Ant1	5200	-5.79	13.98	3.23	10	PASS
	Ant2	5200	-7.17	13.98	1.85	10	PASS
	Ant3	5200	-6.55	13.98	2.47	10	PASS
	Ant4	5200	-5.4	13.98	3.62	10	PASS
	total	5200	-0.15	13.98	8.87	10	PASS
	Ant1	5240	-5.98	13.98	3.04	10	PASS
	Ant2	5240	-7.12	13.98	1.90	10	PASS
	Ant3	5240	-5.02	13.98	4.00	10	PASS
	Ant4	5240	-5.78	13.98	3.24	10	PASS
	total	5240	0.11	13.98	9.13	10	PASS
	Ant1	5260	0.20	7.98	---	---	PASS
	Ant2	5260	-0.63	7.98	---	---	PASS
	Ant3	5260	1.69	7.98	---	---	PASS
	Ant4	5260	0.43	7.98	---	---	PASS
	total	5260	6.52	7.98	---	---	PASS
	Ant1	5280	0.22	7.98	---	---	PASS
	Ant2	5280	-0.44	7.98	---	---	PASS
	Ant3	5280	2.36	7.98	---	---	PASS
	Ant4	5280	0.27	7.98	---	---	PASS
	total	5280	6.76	7.98	---	---	PASS
	Ant1	5320	0.05	7.98	---	---	PASS
	Ant2	5320	0.52	7.98	---	---	PASS
	Ant3	5320	2.21	7.98	---	---	PASS
	Ant4	5320	0.79	7.98	---	---	PASS
	total	5320	6.99	7.98	---	---	PASS
	Ant1	5500	1.27	7.98	---	---	PASS
	Ant2	5500	-0.25	7.98	---	---	PASS
	Ant3	5500	0.27	7.98	---	---	PASS
	Ant4	5500	1.41	7.98	---	---	PASS
	total	5500	6.75	7.98	---	---	PASS
	Ant1	5580	1.05	7.98	---	---	PASS
	Ant2	5580	0.65	7.98	---	---	PASS
	Ant3	5580	1.32	7.98	---	---	PASS
	Ant4	5580	0.54	7.98	---	---	PASS
	total	5580	6.92	7.98	---	---	PASS
Ant1	5700	1.32	7.98	---	---	PASS	
Ant2	5700	1.53	7.98	---	---	PASS	
Ant3	5700	1.63	7.98	---	---	PASS	
Ant4	5700	1.43	7.98	---	---	PASS	
total	5700	7.50	7.98	---	---	PASS	
Ant1	5745	-1.84	26.98	---	---	PASS	
Ant2	5745	-1.49	26.98	---	---	PASS	
Ant3	5745	-2	26.98	---	---	PASS	
Ant4	5745	-0.69	26.98	---	---	PASS	
total	5745	4.55	26.98	---	---	PASS	
Ant1	5785	-0.92	26.98	---	---	PASS	
Ant2	5785	-1.88	26.98	---	---	PASS	
Ant3	5785	-1.76	26.98	---	---	PASS	
Ant4	5785	-0.6	26.98	---	---	PASS	
total	5785	4.76	26.98	---	---	PASS	
Ant1	5825	-1.31	26.98	---	---	PASS	
Ant2	5825	-2.9	26.98	---	---	PASS	



	Ant3	5825	-2.31	26.98	---	---	PASS
	Ant4	5825	-1.35	26.98	---	---	PASS
	total	5825	4.10	26.98	---	---	PASS
11AC40-CDD	Ant1	5190	-8.21	13.98	0.81	10	PASS
	Ant2	5190	-8.76	13.98	0.26	10	PASS
	Ant3	5190	-8.96	13.98	0.06	10	PASS
	Ant4	5190	-7.53	13.98	1.49	10	PASS
	total	5190	-2.31	13.98	6.71	10	PASS
	Ant1	5230	-8.39	13.98	0.63	10	PASS
	Ant2	5230	-9.7	13.98	-0.68	10	PASS
	Ant3	5230	-7.74	13.98	1.28	10	PASS
	Ant4	5230	-8.10	13.98	0.92	10	PASS
	total	5230	-2.40	13.98	6.62	10	PASS
	Ant1	5270	-2.87	7.98	---	---	PASS
	Ant2	5270	-2.71	7.98	---	---	PASS
	Ant3	5270	-0.28	7.98	---	---	PASS
	Ant4	5270	-2.23	7.98	---	---	PASS
	total	5270	4.13	7.98	---	---	PASS
	Ant1	5310	-2.89	7.98	---	---	PASS
	Ant2	5310	-1.72	7.98	---	---	PASS
	Ant3	5310	0.15	7.98	---	---	PASS
	Ant4	5310	-1.69	7.98	---	---	PASS
	total	5310	4.62	7.98	---	---	PASS
	Ant1	5510	-0.93	7.98	---	---	PASS
	Ant2	5510	-2.83	7.98	---	---	PASS
	Ant3	5510	-2.32	7.98	---	---	PASS
	Ant4	5510	-1.57	7.98	---	---	PASS
	total	5510	4.17	7.98	---	---	PASS
	Ant1	5550	-1.32	7.98	---	---	PASS
	Ant2	5550	-2.54	7.98	---	---	PASS
	Ant3	5550	-1.77	7.98	---	---	PASS
	Ant4	5550	-1.47	7.98	---	---	PASS
	total	5550	4.27	7.98	---	---	PASS
	Ant1	5670	-1.34	7.98	---	---	PASS
	Ant2	5670	-0.79	7.98	---	---	PASS
	Ant3	5670	-0.75	7.98	---	---	PASS
	Ant4	5670	-0.69	7.98	---	---	PASS
	total	5670	5.14	7.98	---	---	PASS
	Ant1	5755	-3.76	26.98	---	---	PASS
	Ant2	5755	-3.97	26.98	---	---	PASS
	Ant3	5755	-4.25	26.98	---	---	PASS
	Ant4	5755	-2.92	26.98	---	---	PASS
	total	5755	2.32	26.98	---	---	PASS
Ant1	5795	-3.29	26.98	---	---	PASS	
Ant2	5795	-4.44	26.98	---	---	PASS	
Ant3	5795	-3.97	26.98	---	---	PASS	
Ant4	5795	-3.14	26.98	---	---	PASS	
total	5795	2.34	26.98	---	---	PASS	
11AC80-CDD	Ant1	5210	-7.33	13.98	1.69	10	PASS
	Ant2	5210	-8.72	13.98	0.30	10	PASS
	Ant3	5210	-7.51	13.98	1.51	10	PASS
	Ant4	5210	-6.92	13.98	2.10	10	PASS
	total	5210	-1.55	13.98	7.47	10	PASS
	Ant1	5290	-5.42	7.98	---	---	PASS
	Ant2	5290	-5.07	7.98	---	---	PASS
	Ant3	5290	-2.8	7.98	---	---	PASS
	Ant4	5290	-5.01	7.98	---	---	PASS
	total	5290	1.58	7.98	---	---	PASS
	Ant1	5530	-3.07	7.98	---	---	PASS
	Ant2	5530	-5.11	7.98	---	---	PASS
	Ant3	5530	-4.45	7.98	---	---	PASS
Ant4	5530	-3.47	7.98	---	---	PASS	



	total	5530	2.07	7.98	---	---	PASS
	Ant1	5610	-4.14	7.98	---	---	PASS
	Ant2	5610	-4.68	7.98	---	---	PASS
	Ant3	5610	-3.45	7.98	---	---	PASS
	Ant4	5610	-4	7.98	---	---	PASS
	total	5610	1.98	7.98	---	---	PASS
	Ant1	5775	-5.82	26.98	---	---	PASS
	Ant2	5775	-7.12	26.98	---	---	PASS
	Ant3	5775	-6.8	26.98	---	---	PASS
	Ant4	5775	-5.35	26.98	---	---	PASS
	total	5775	-0.19	26.98	---	---	PASS

- Note : 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

12.5.2. Test Graphs





11A-CDD Ant4 5180



11A-CDD Ant1 5200



11A-CDD Ant2 5200