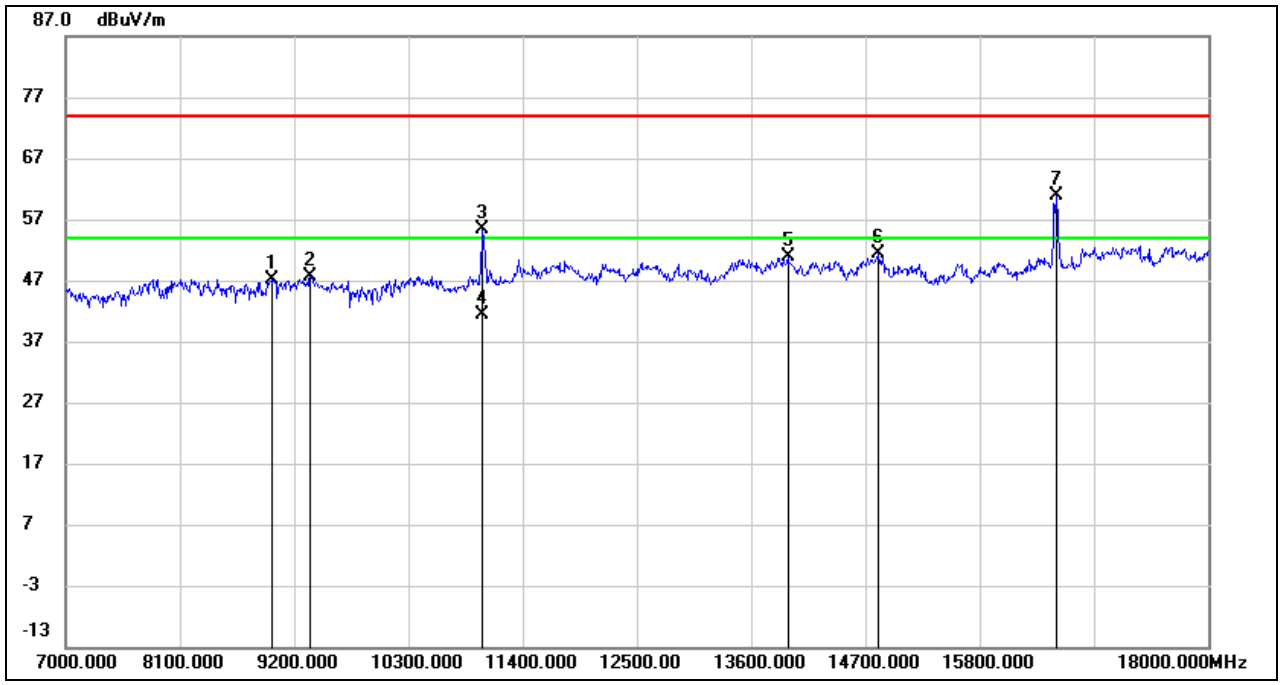
UNII-2C BAND

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	8991.000	36.03	11.10	47.13	74.00	-26.87	peak
2	9354.000	37.01	10.70	47.71	74.00	-26.29	peak
3	11015.000	42.06	13.38	55.44	74.00	-18.56	peak
4	11015.000	28.04	13.38	41.42	54.00	-12.58	AVG
5	13952.000	33.25	17.60	50.85	74.00	-23.15	peak
6	14821.000	33.58	17.90	51.48	74.00	-22.52	peak
7	16537.000	41.00	19.81	60.81	68.2	-7.39	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.

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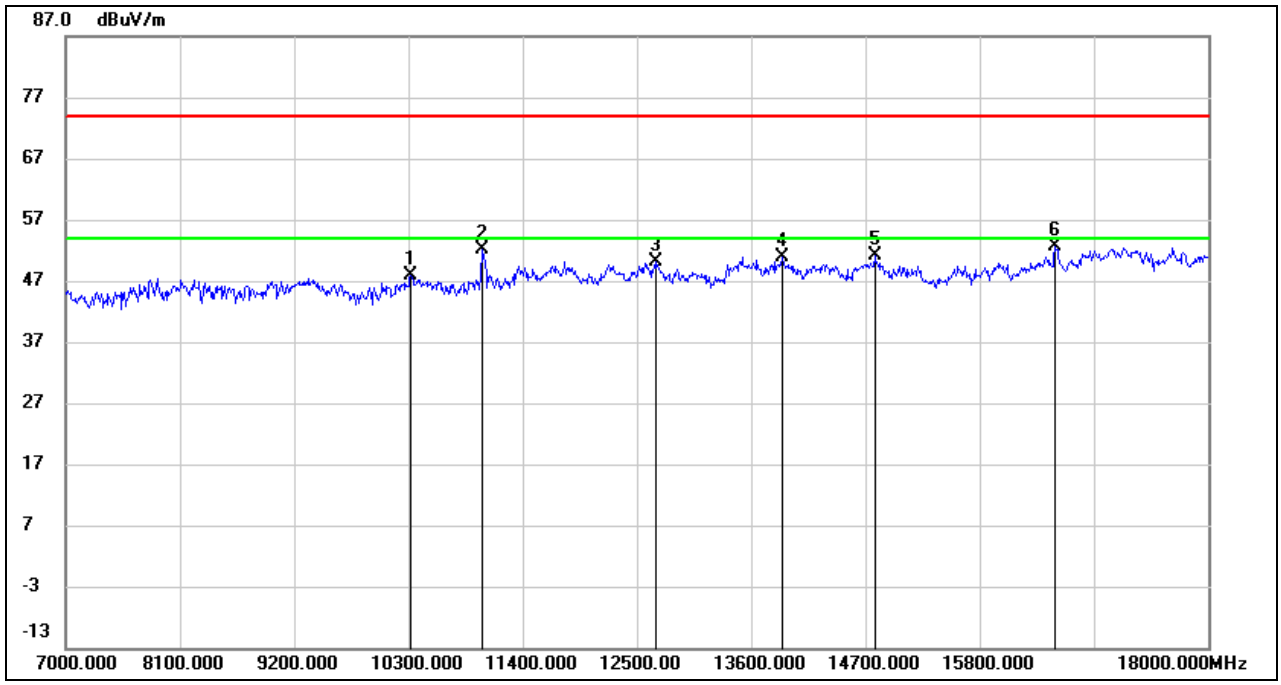
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10322.000	35.93	11.91	47.84	74.00	-26.16	peak
2	11015.000	38.65	13.38	52.03	74.00	-21.97	peak
3	12687.000	34.59	15.64	50.23	74.00	-23.77	peak
4	13897.000	33.29	17.52	50.81	74.00	-23.19	peak
5	14788.000	33.18	18.00	51.18	74.00	-22.82	peak
6	16526.000	32.77	19.77	52.54	74.00	-21.46	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.

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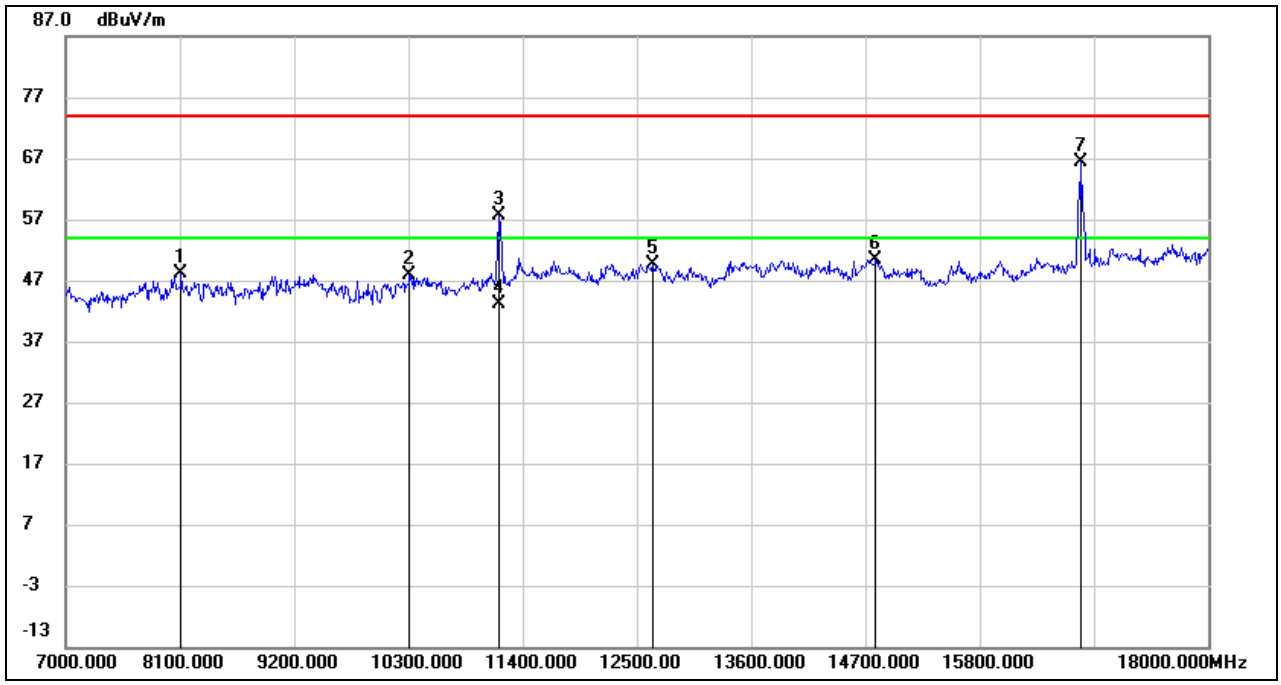
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8111.000	37.91	10.14	48.05	74.00	-25.95	peak
2	10311.000	36.01	11.86	47.87	74.00	-26.13	peak
3	11169.000	43.76	13.80	57.56	74.00	-16.44	peak
4	11169.000	29.36	13.80	43.16	54.00	-10.84	AVG
5	12654.000	34.05	15.69	49.74	74.00	-24.26	peak
6	14799.000	32.37	18.04	50.41	74.00	-23.59	peak
7	16779.000	45.77	20.55	66.32	68.2	-1.88	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.

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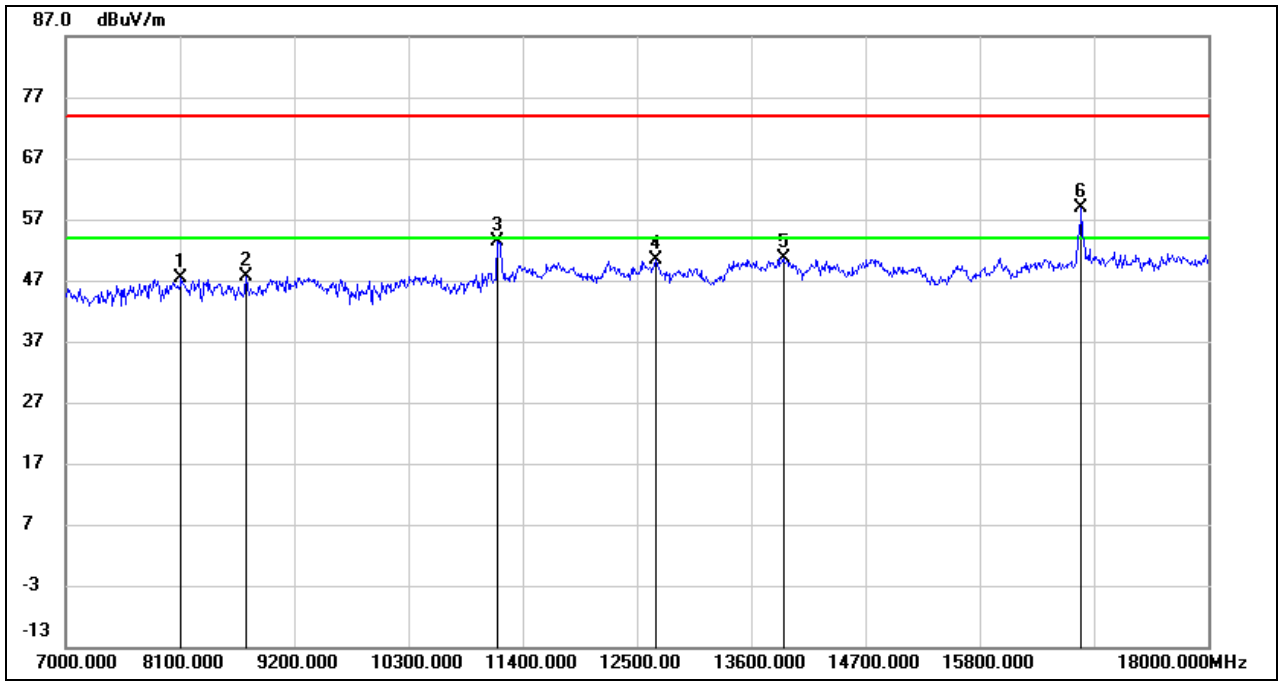
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8111.000	37.14	10.14	47.28	74.00	-26.72	peak
2	8738.000	38.55	9.11	47.66	74.00	-26.34	peak
3	11158.000	39.47	13.79	53.26	74.00	-20.74	peak
4	12676.000	34.62	15.66	50.28	74.00	-23.72	peak
5	13908.000	33.08	17.54	50.62	74.00	-23.38	peak
6	16779.000	38.37	20.55	58.92	68.2	-9.28	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.

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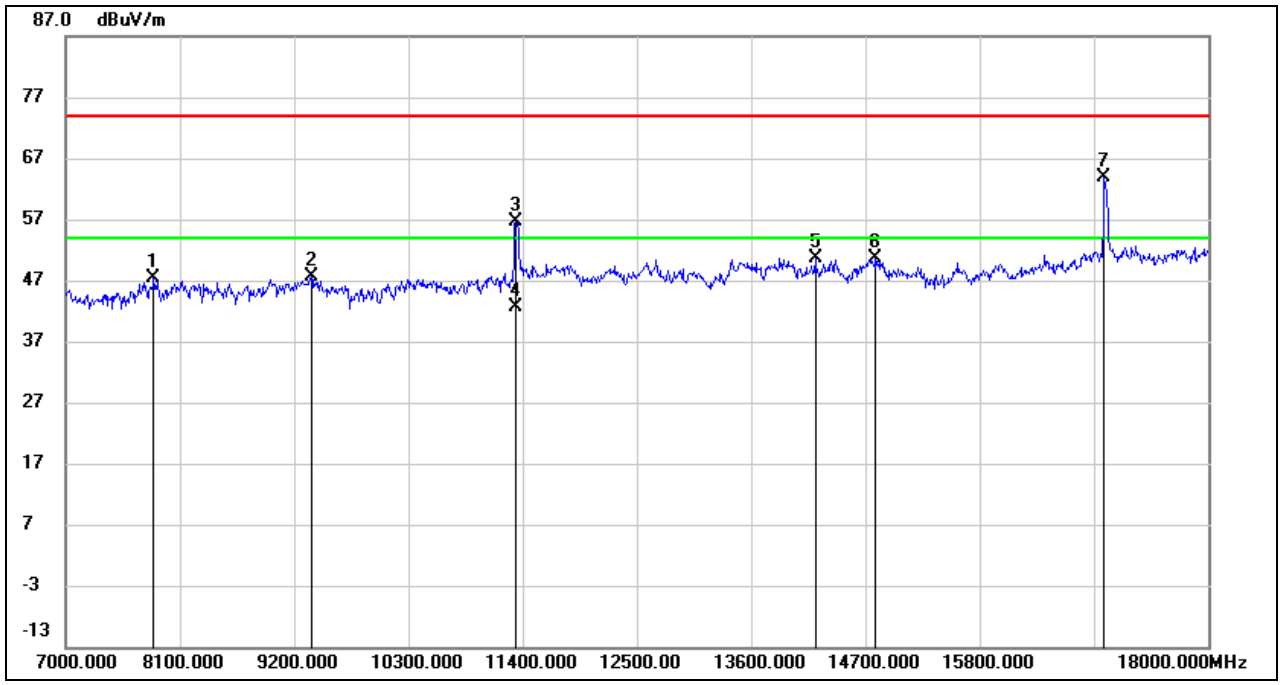
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7847.000	38.18	9.12	47.30	74.00	-26.70	peak
2	9365.000	36.88	10.77	47.65	74.00	-26.35	peak
3	11334.000	42.49	14.15	56.64	74.00	-17.36	peak
4	11334.000	28.37	14.15	42.52	54.00	-11.48	AVG
5	14216.000	32.74	17.84	50.58	74.00	-23.42	peak
6	14799.000	32.49	18.04	50.53	74.00	-23.47	peak
7	16999.000	42.60	21.25	63.85	68.2	-4.35	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.

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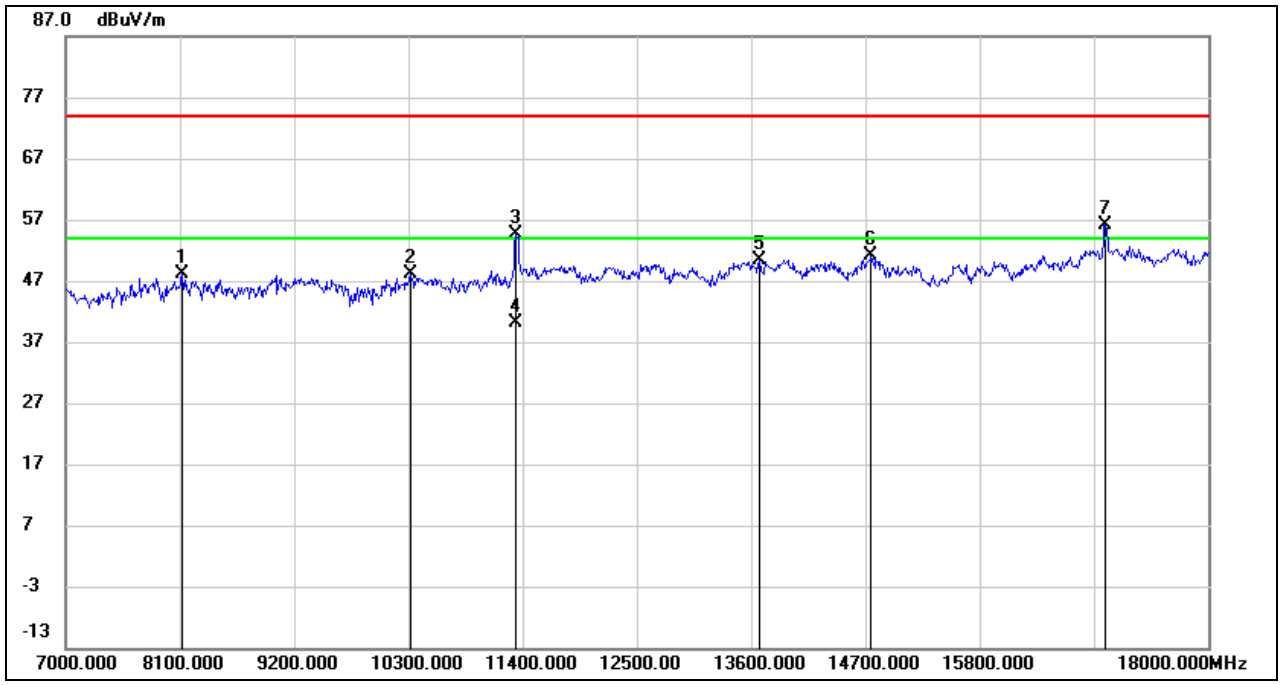
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8122.000	37.95	10.10	48.05	74.00	-25.95	peak
2	10322.000	36.30	11.91	48.21	74.00	-25.79	peak
3	11334.000	40.42	14.15	54.57	74.00	-19.43	peak
4	11334.000	25.96	14.15	40.11	54.00	-13.89	AVG
5	13677.000	32.95	17.50	50.45	74.00	-23.55	peak
6	14755.000	33.14	17.88	51.02	74.00	-22.98	peak
7	17010.000	34.87	21.31	56.18	68.2	-2.02	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.

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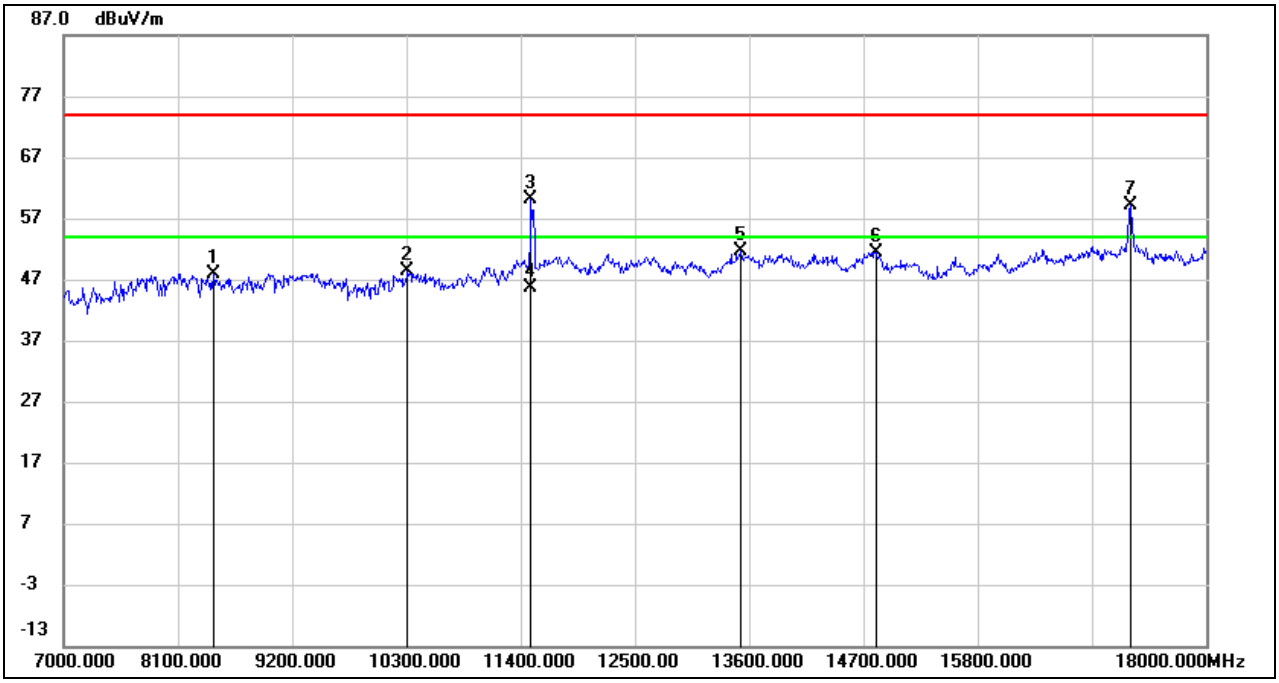
UNII-3 BAND

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	8441.000	38.63	9.25	47.88	74.00	-26.12	peak
2	10311.000	36.62	11.86	48.48	74.00	-25.52	peak
3	11499.000	45.55	14.65	60.20	74.00	-13.80	peak
4	11499.000	31.00	14.65	45.65	54.00	-8.35	AVG
5	13523.000	34.36	17.19	51.55	74.00	-22.45	peak
6	14821.000	33.59	17.90	51.49	74.00	-22.51	peak
7	17274.000	36.75	22.45	59.20	68.2	-9.0	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.

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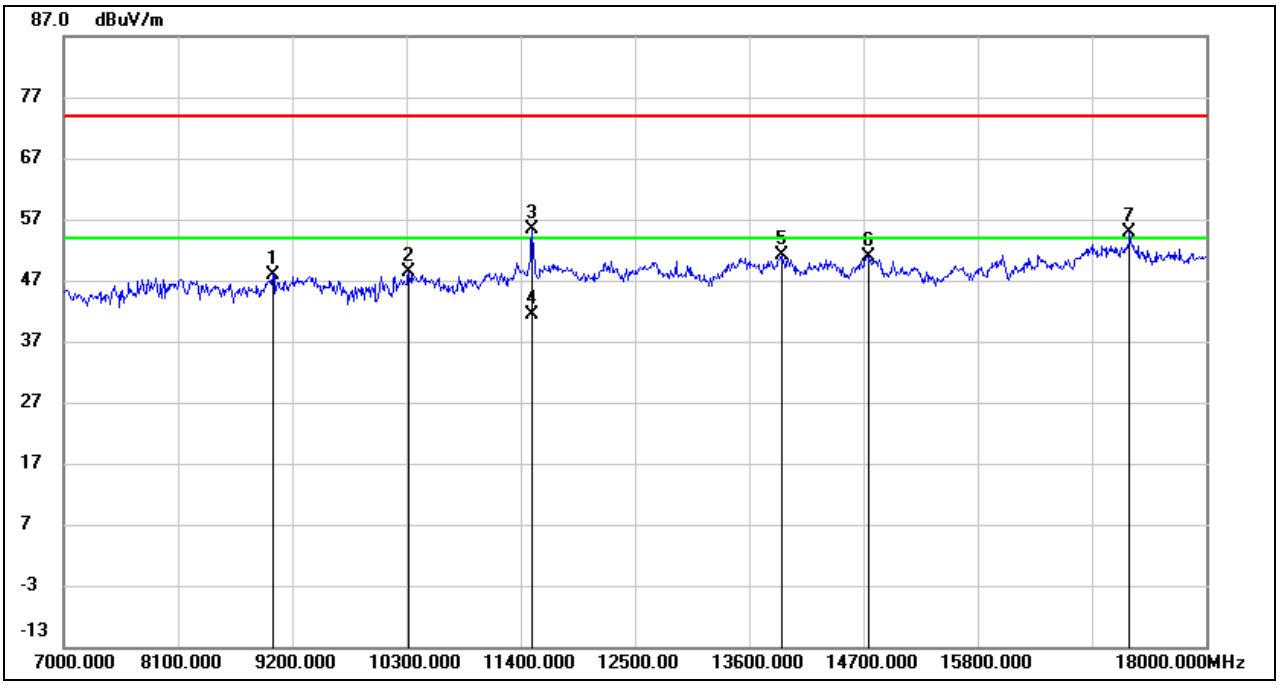
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9013.000	36.83	11.12	47.95	74.00	-26.05	peak
2	10322.000	36.36	11.91	48.27	74.00	-25.73	peak
3	11510.000	40.76	14.66	55.42	74.00	-18.58	peak
4	11510.000	26.65	14.66	41.31	54.00	-12.69	AVG
5	13908.000	33.70	17.54	51.24	74.00	-22.76	peak
6	14744.000	33.02	17.84	50.86	74.00	-23.14	peak
7	17263.000	32.51	22.38	54.89	68.2	-13.31	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.

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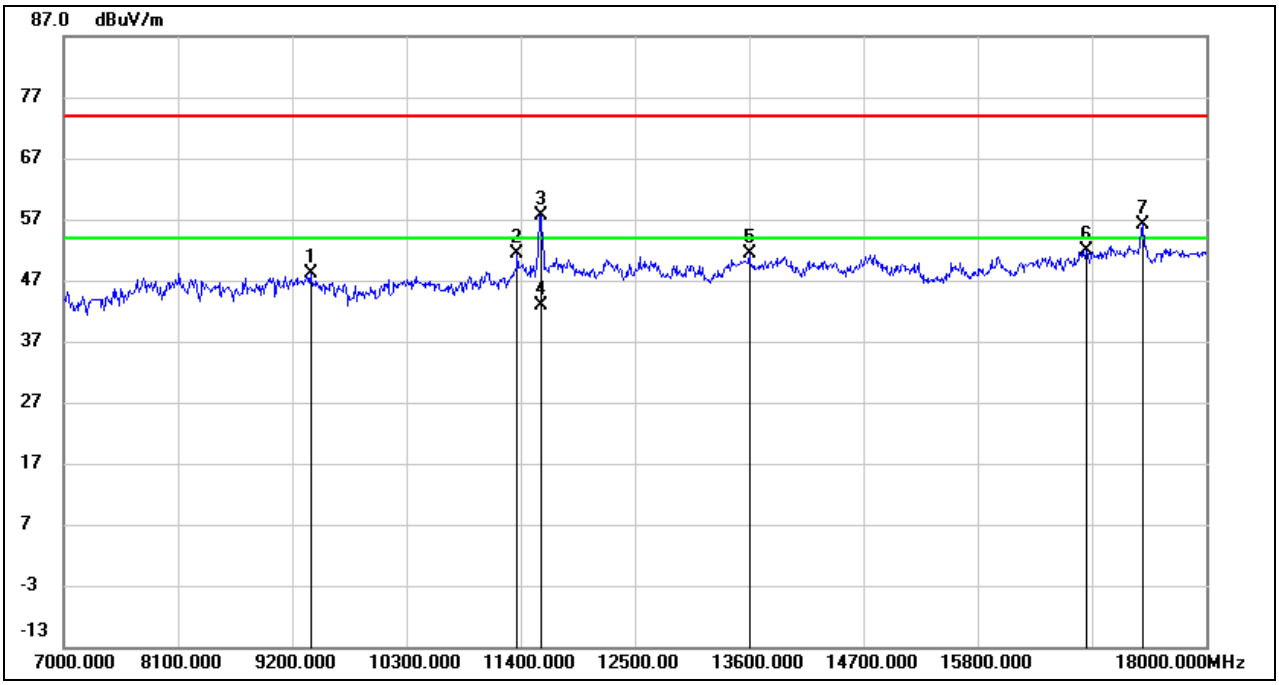
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9376.000	37.31	10.84	48.15	74.00	-25.85	peak
2	11367.000	36.92	14.45	51.37	74.00	-22.63	peak
3	11598.000	43.00	14.72	57.72	74.00	-16.28	peak
4	11598.000	28.24	14.72	42.96	54.00	-11.04	AVG
5	13600.000	34.29	17.10	51.39	74.00	-22.61	peak
6	16845.000	30.76	21.10	51.86	74.00	-22.14	peak
7	17395.000	34.34	21.91	56.25	68.2	-11.95	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.

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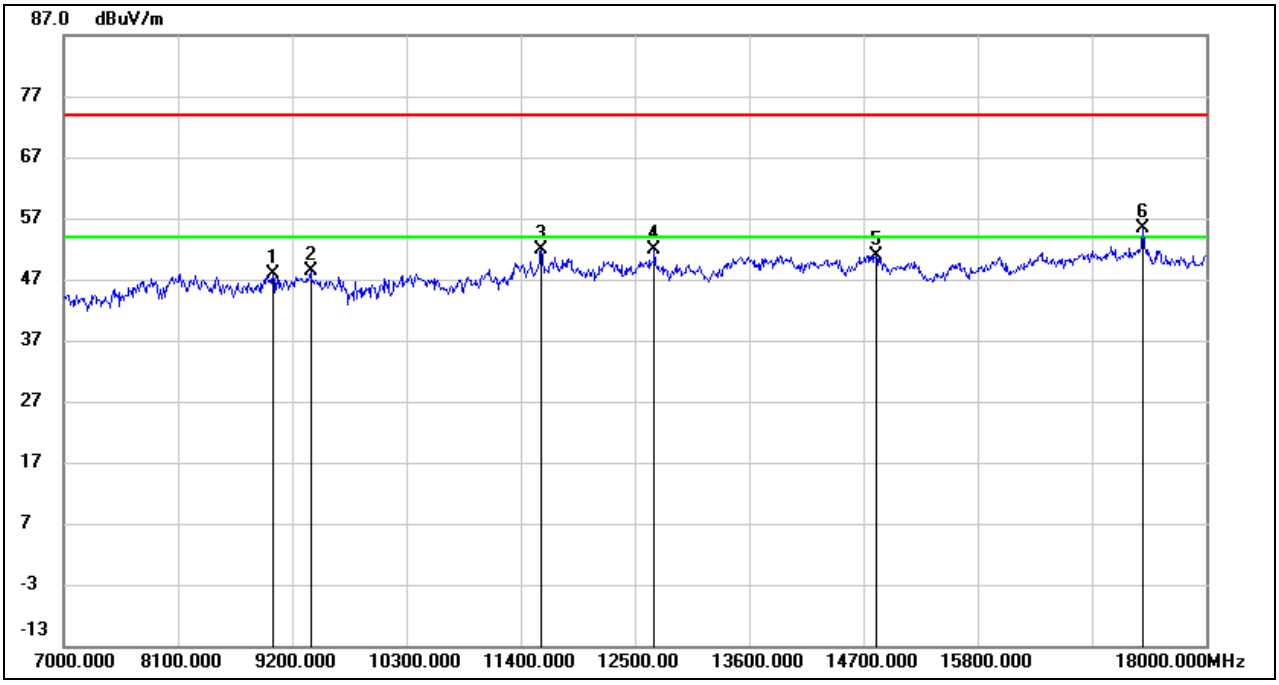
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9013.000	36.78	11.12	47.90	74.00	-26.10	peak
2	9376.000	37.65	10.84	48.49	74.00	-25.51	peak
3	11598.000	37.05	14.72	51.77	74.00	-22.23	peak
4	12687.000	36.36	15.64	52.00	74.00	-22.00	peak
5	14821.000	33.10	17.90	51.00	74.00	-23.00	peak
6	17384.000	33.50	21.99	55.49	68.2	-12.71	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.

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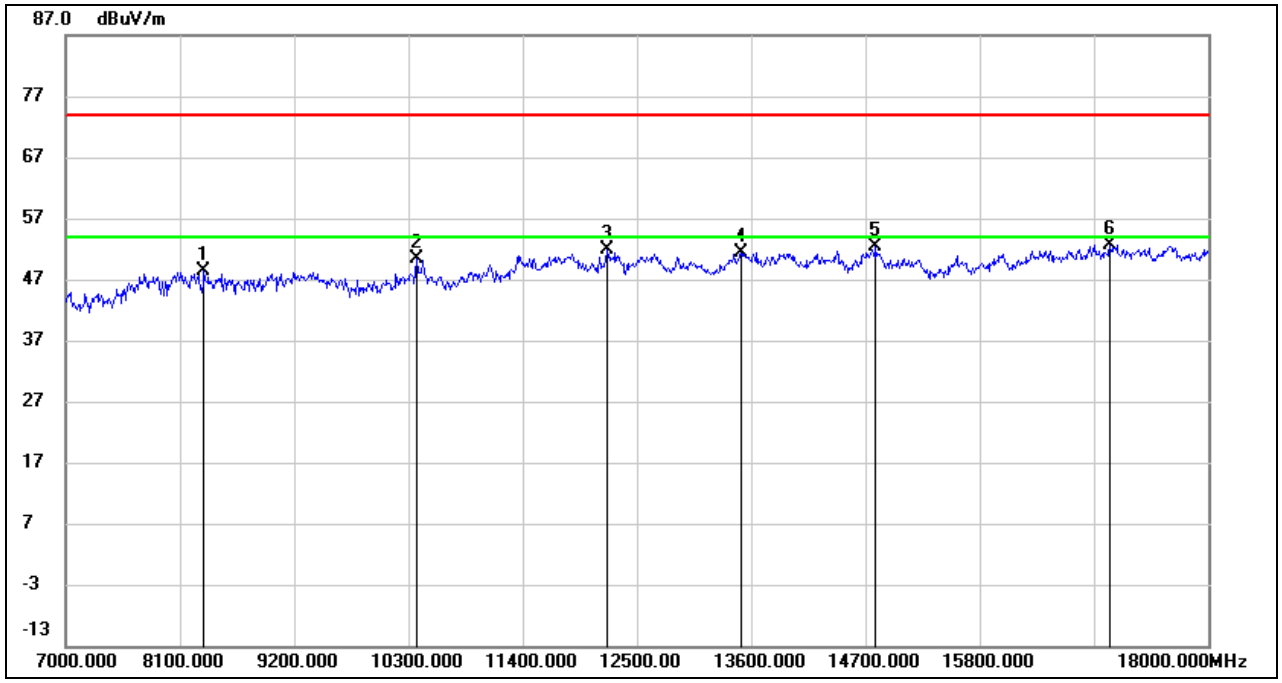
8.3.4. 802.11ac VHT80 CDD 4TX MODE

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	8331.000	38.81	9.58	48.39	74.00	-25.61	peak
2	10377.000	38.28	12.13	50.41	74.00	-23.59	peak
3	12214.000	35.94	15.97	51.91	74.00	-22.09	peak
4	13501.000	34.27	17.22	51.49	74.00	-22.51	peak
5	14799.000	34.23	18.04	52.27	74.00	-21.73	peak
6	17054.000	31.10	21.59	52.69	74.00	-21.31	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.

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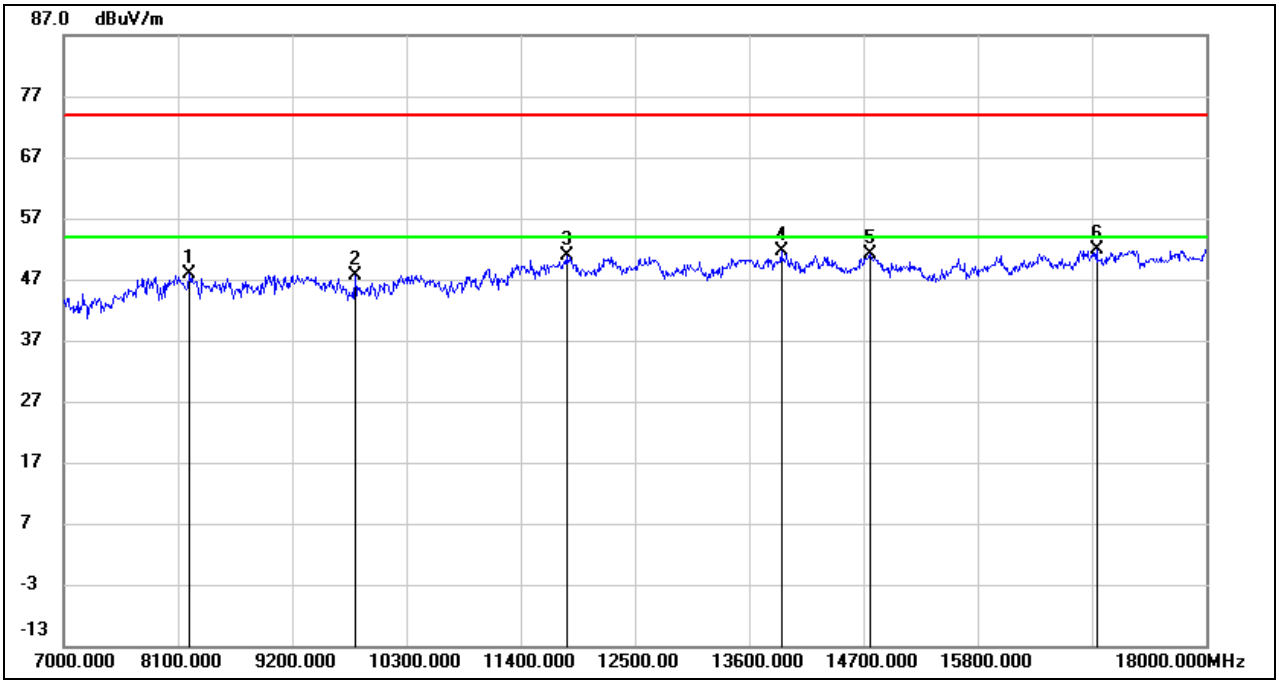
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8210.000	38.06	9.80	47.86	74.00	-26.14	peak
2	9805.000	37.59	10.12	47.71	74.00	-26.29	peak
3	11840.000	35.55	15.35	50.90	74.00	-23.10	peak
4	13908.000	34.19	17.54	51.73	74.00	-22.27	peak
5	14766.000	33.14	17.92	51.06	74.00	-22.94	peak
6	16944.000	30.34	21.43	51.77	74.00	-22.23	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.

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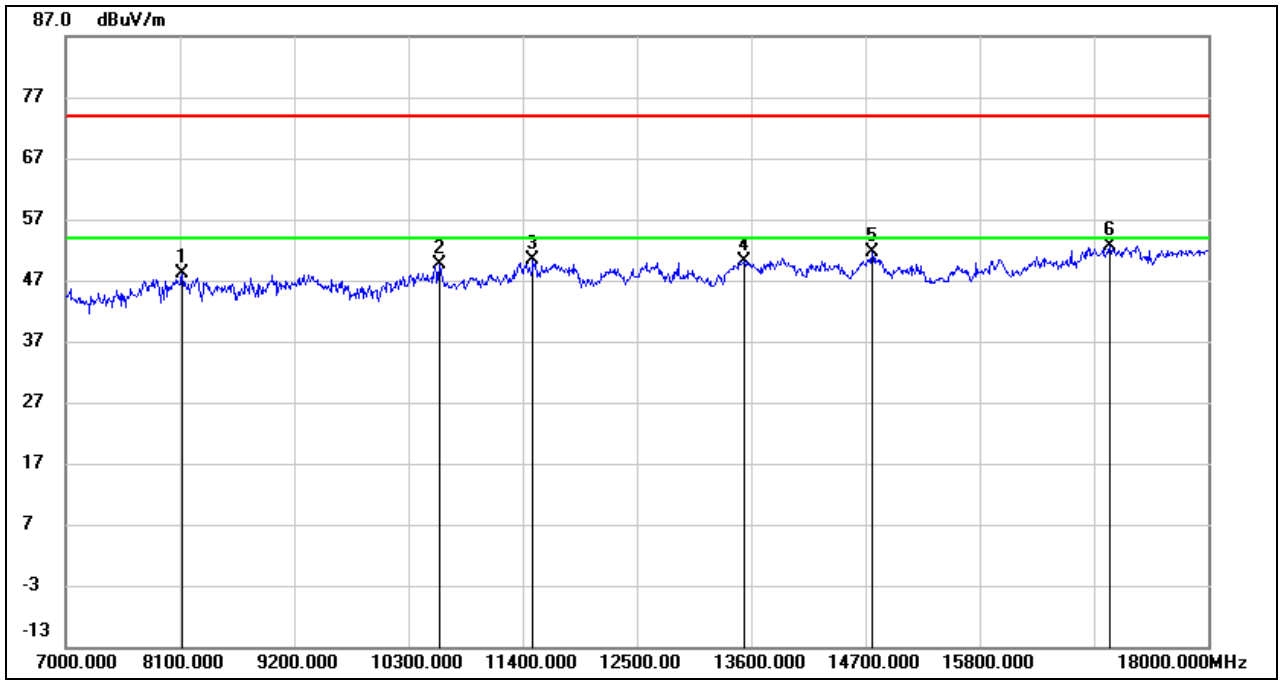
UNII-2A BAND

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	8122.000	38.12	10.10	48.22	74.00	-25.78	peak
2	10597.000	37.03	12.68	49.71	74.00	-24.29	peak
3	11499.000	35.67	14.65	50.32	74.00	-23.68	peak
4	13534.000	33.03	17.18	50.21	74.00	-23.79	peak
5	14766.000	33.68	17.92	51.60	74.00	-22.40	peak
6	17054.000	31.03	21.59	52.62	74.00	-21.38	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.

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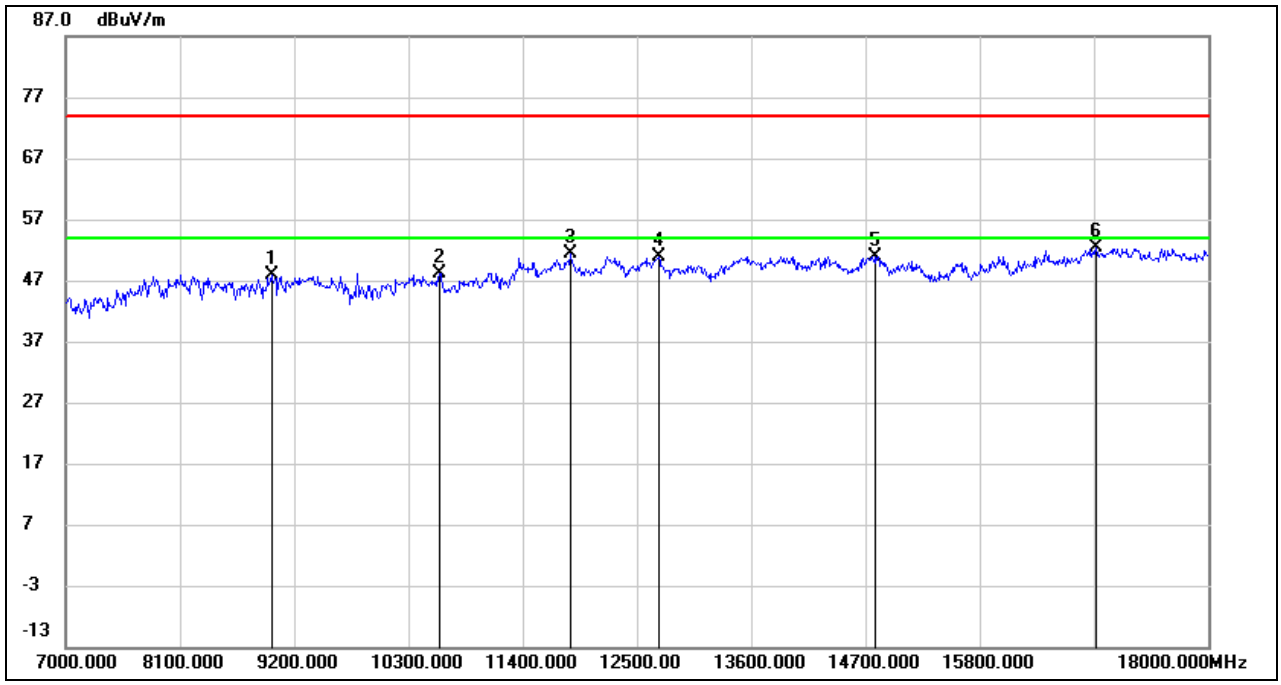
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8980.000	36.92	10.89	47.81	74.00	-26.19	peak
2	10597.000	35.53	12.68	48.21	74.00	-25.79	peak
3	11862.000	35.87	15.41	51.28	74.00	-22.72	peak
4	12709.000	35.29	15.66	50.95	74.00	-23.05	peak
5	14799.000	32.95	18.04	50.99	74.00	-23.01	peak
6	16922.000	30.93	21.49	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. 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.

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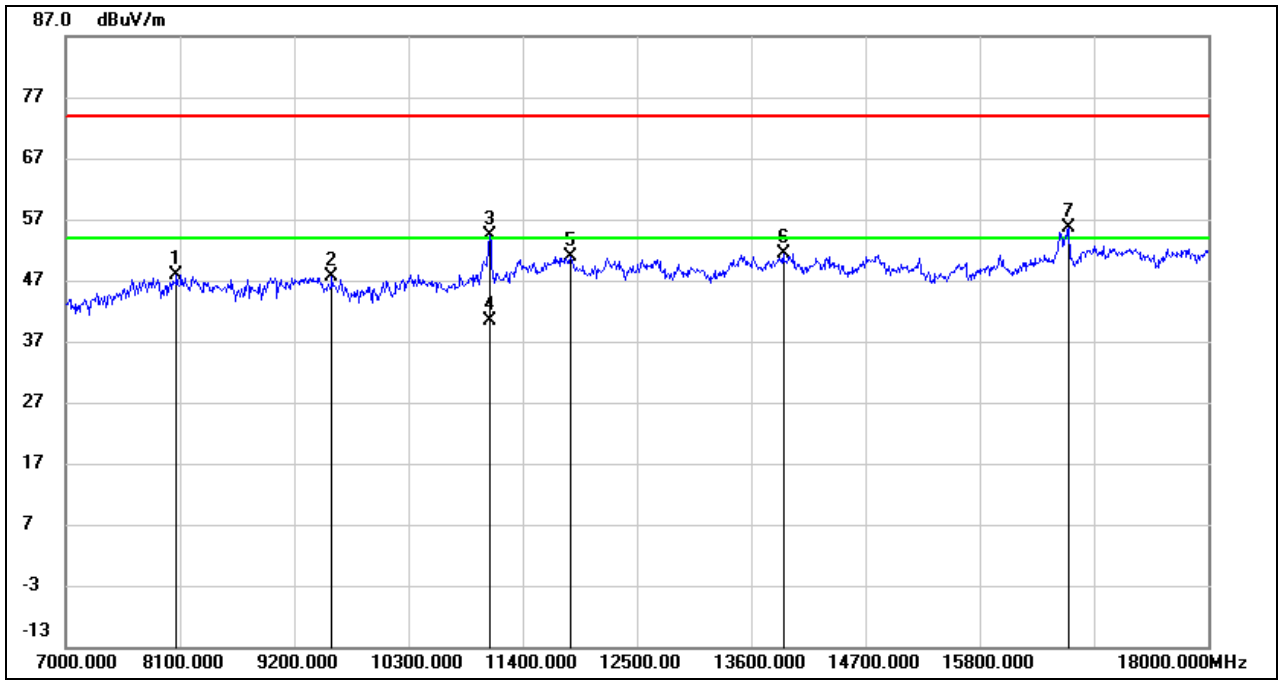
UNII-2C BAND

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	8067.000	38.25	9.67	47.92	74.00	-26.08	peak
2	9563.000	36.68	10.83	47.51	74.00	-26.49	peak
3	11081.000	40.75	13.70	54.45	74.00	-19.55	peak
4	11081.000	26.63	13.70	40.33	54.00	-13.67	AVG
5	11862.000	35.47	15.41	50.88	74.00	-23.12	peak
6	13908.000	33.94	17.54	51.48	74.00	-22.52	peak
7	16658.000	35.53	19.98	55.51	68.2	-12.69	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.

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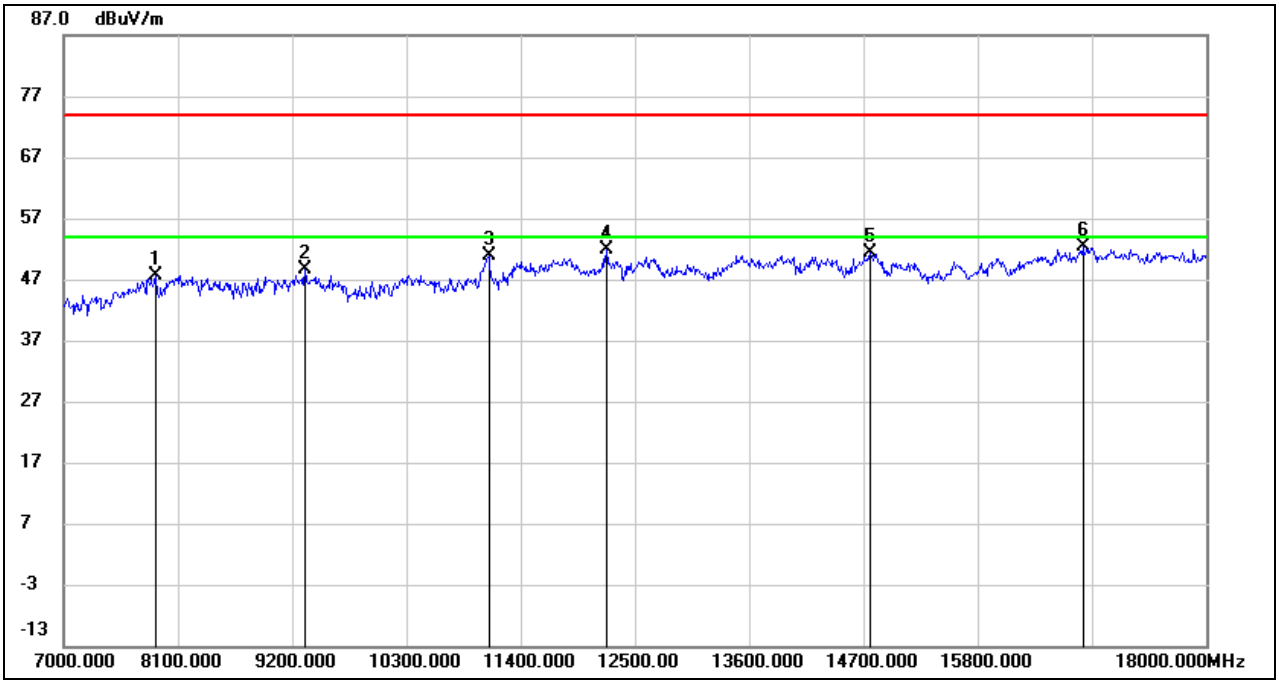
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7880.000	38.66	8.95	47.61	74.00	-26.39	peak
2	9321.000	38.03	10.52	48.55	74.00	-25.45	peak
3	11092.000	37.09	13.75	50.84	74.00	-23.16	peak
4	12225.000	35.78	15.99	51.77	74.00	-22.23	peak
5	14766.000	33.34	17.92	51.26	74.00	-22.74	peak
6	16812.000	31.64	20.81	52.45	74.00	-21.55	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.

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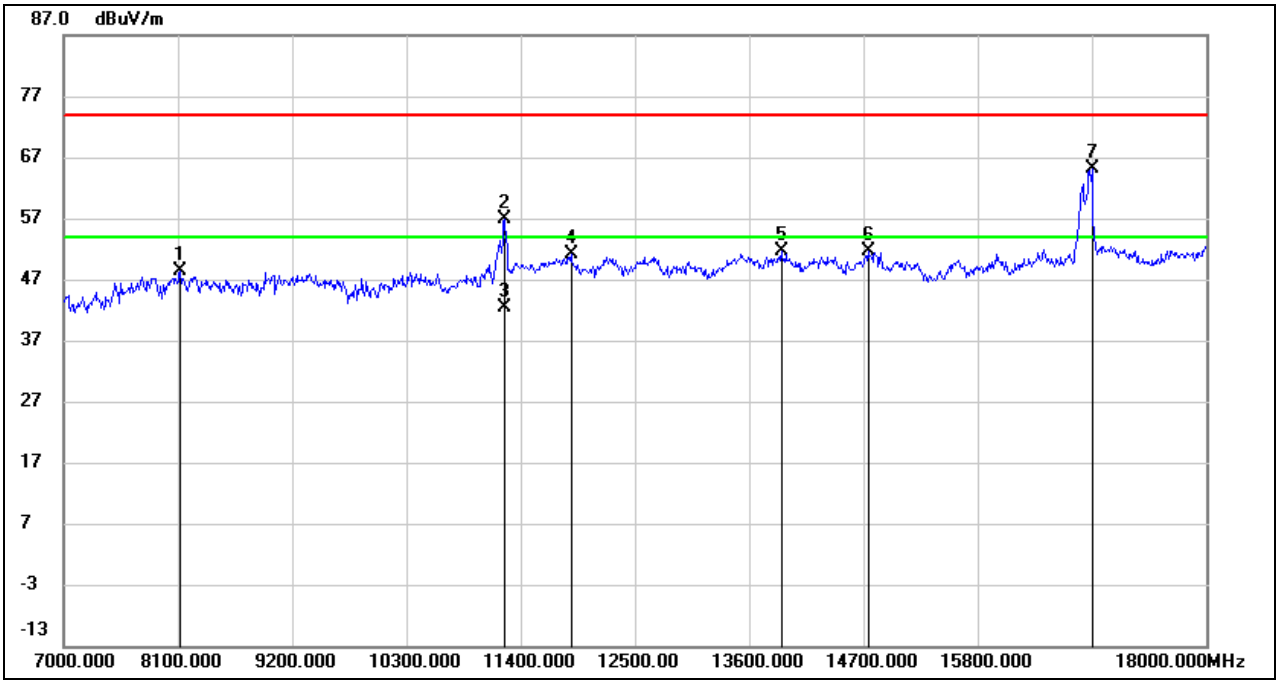
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8122.000	38.37	10.10	48.47	74.00	-25.53	peak
2	11246.000	42.95	13.82	56.77	74.00	-17.23	peak
3	11246.000	28.46	13.82	42.28	54.00	-11.72	AVG
4	11884.000	35.66	15.47	51.13	74.00	-22.87	peak
5	13908.000	33.97	17.54	51.51	74.00	-22.49	peak
6	14744.000	33.71	17.84	51.55	74.00	-22.45	peak
7	16900.000	43.49	21.57	65.06	68.2	-3.14	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.
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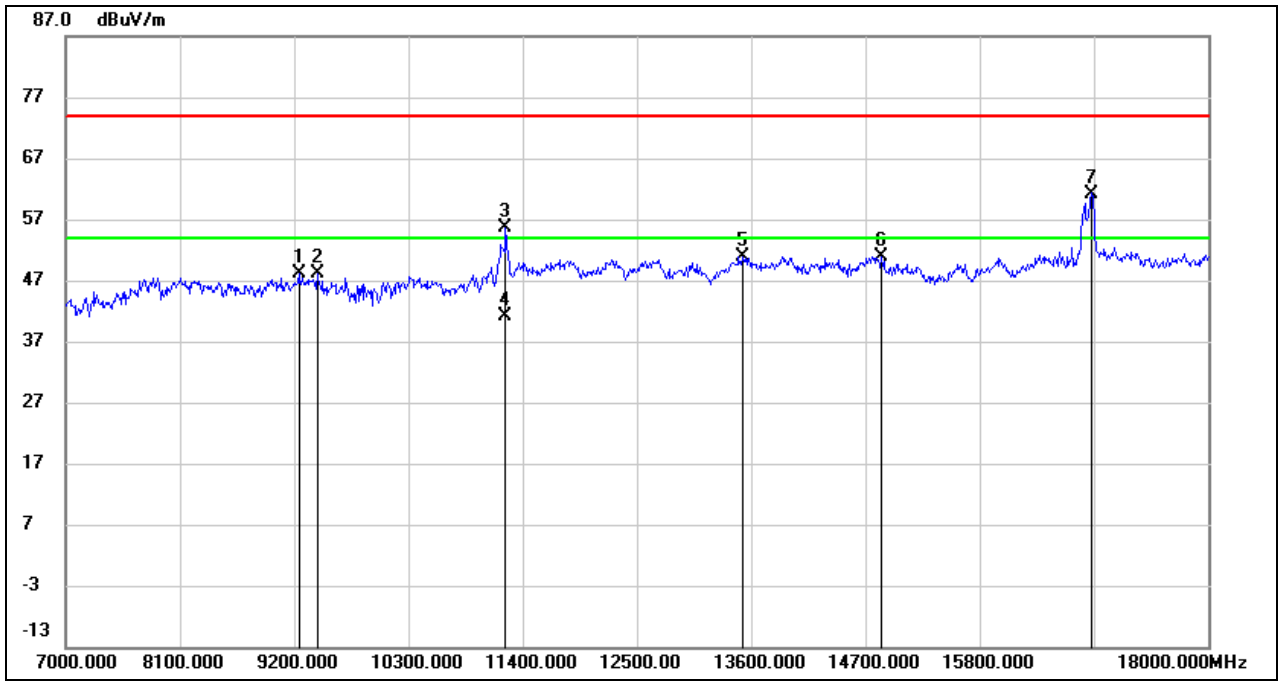
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9244.000	37.94	10.12	48.06	74.00	-25.94	peak
2	9420.000	37.29	10.88	48.17	74.00	-25.83	peak
3	11235.000	41.71	13.81	55.52	74.00	-18.48	peak
4	11235.000	27.42	13.81	41.23	54.00	-12.77	AVG
5	13523.000	33.68	17.19	50.87	74.00	-23.13	peak
6	14854.000	33.24	17.69	50.93	74.00	-23.07	peak
7	16878.000	39.87	21.38	61.25	68.2	-6.95	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.

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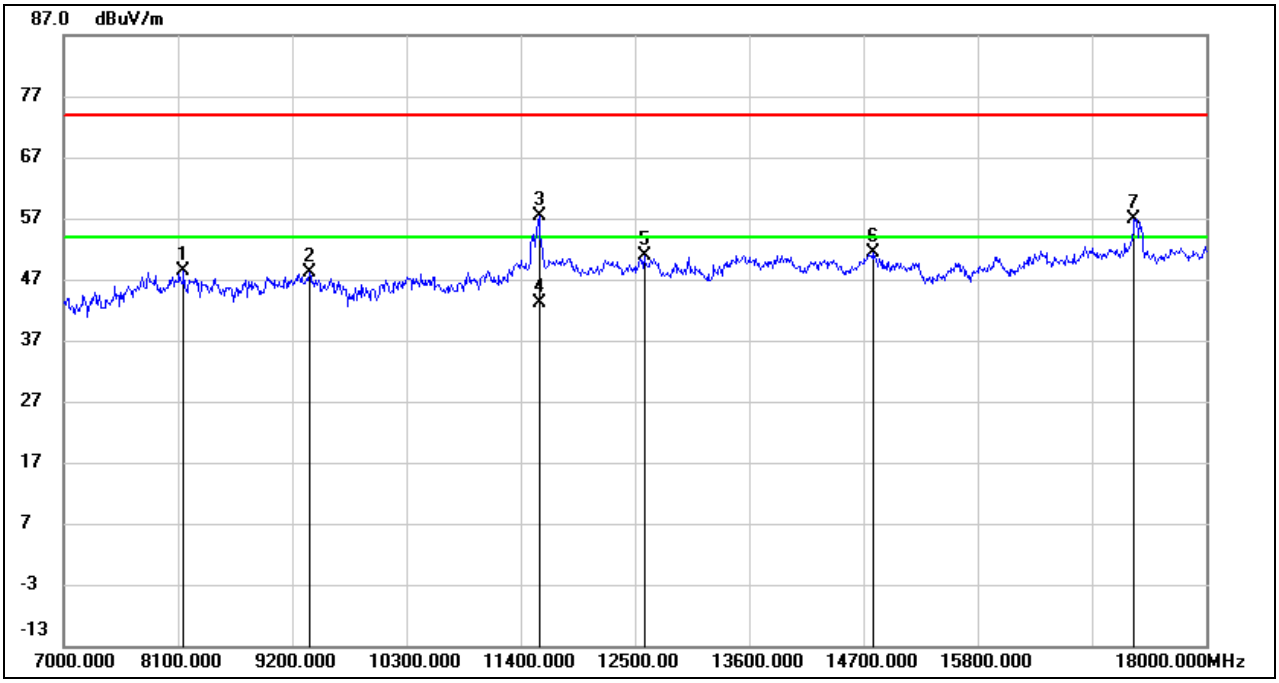
UNII-3 BAND

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	8155.000	38.32	9.98	48.30	74.00	-25.70	peak
2	9365.000	37.36	10.77	48.13	74.00	-25.87	peak
3	11576.000	42.73	14.71	57.44	74.00	-16.56	peak
4	11576.000	28.45	14.71	43.16	54.00	-10.84	AVG
5	12588.000	35.24	15.76	51.00	74.00	-23.00	peak
6	14799.000	33.30	18.04	51.34	74.00	-22.66	peak
7	17307.000	34.24	22.56	56.80	68.2	-11.40	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.

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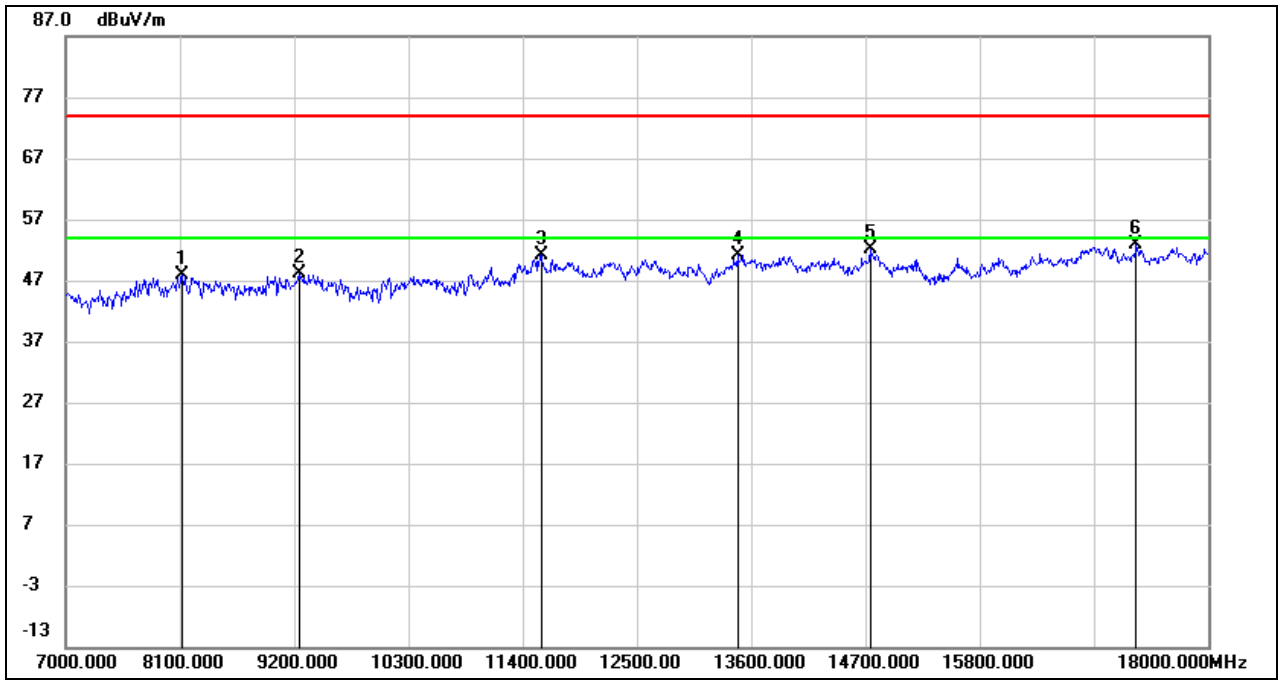
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8122.000	37.70	10.10	47.80	74.00	-26.20	peak
2	9244.000	38.04	10.12	48.16	74.00	-25.84	peak
3	11576.000	36.49	14.71	51.20	74.00	-22.80	peak
4	13468.000	33.92	17.15	51.07	74.00	-22.93	peak
5	14744.000	34.24	17.84	52.08	74.00	-21.92	peak
6	17307.000	30.32	22.56	52.88	74.00	-21.12	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.

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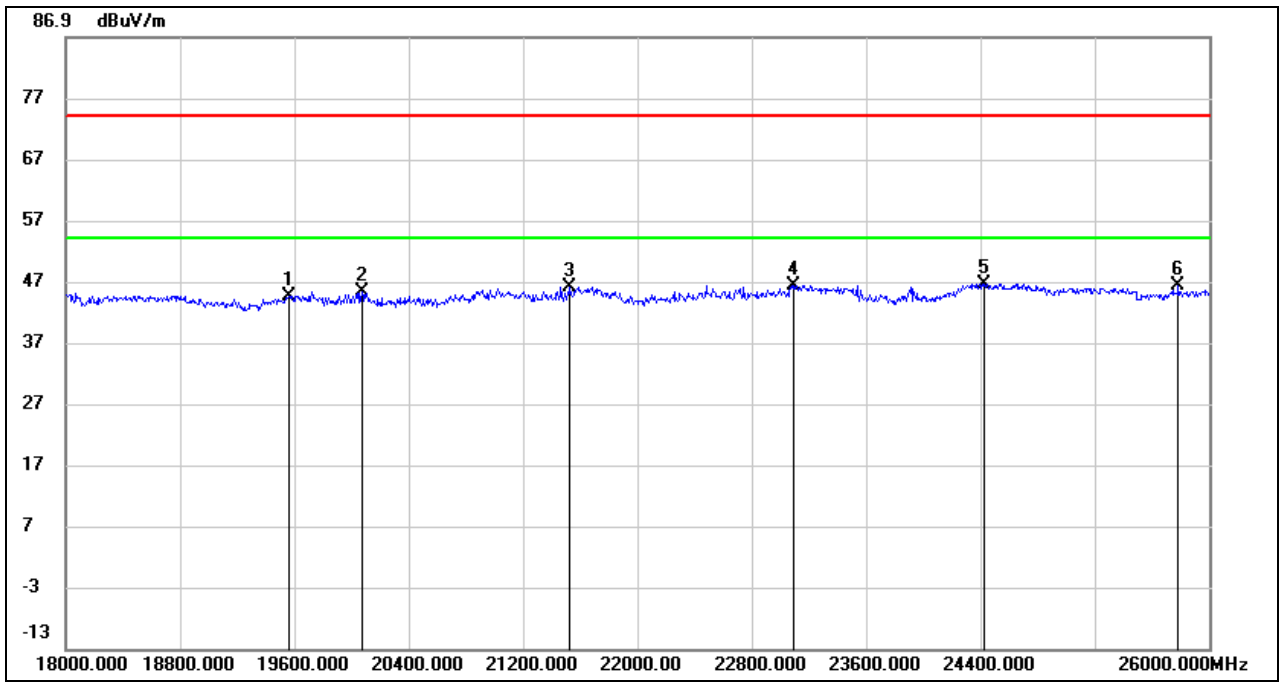
8.4. SPURIOUS EMISSIONS (18 GHz ~ 26 GHz)

8.4.1. 802.11ac VHT20 CDD 4TX MODE

SPURIOUS EMISSIONS (UNII-2C BAND LOW CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	19560.000	49.31	-4.69	44.62	74.00	-29.38	peak
2	20072.000	49.84	-4.51	45.33	74.00	-28.67	peak
3	21528.000	51.92	-5.78	46.14	74.00	-27.86	peak
4	23096.000	51.80	-5.47	46.33	74.00	-27.67	peak
5	24424.000	49.54	-2.90	46.64	74.00	-27.36	peak
6	25784.000	47.73	-1.49	46.24	74.00	-27.76	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. The preamplifier only effect to the above 18GHz signal and no filter added to the measurement chain.

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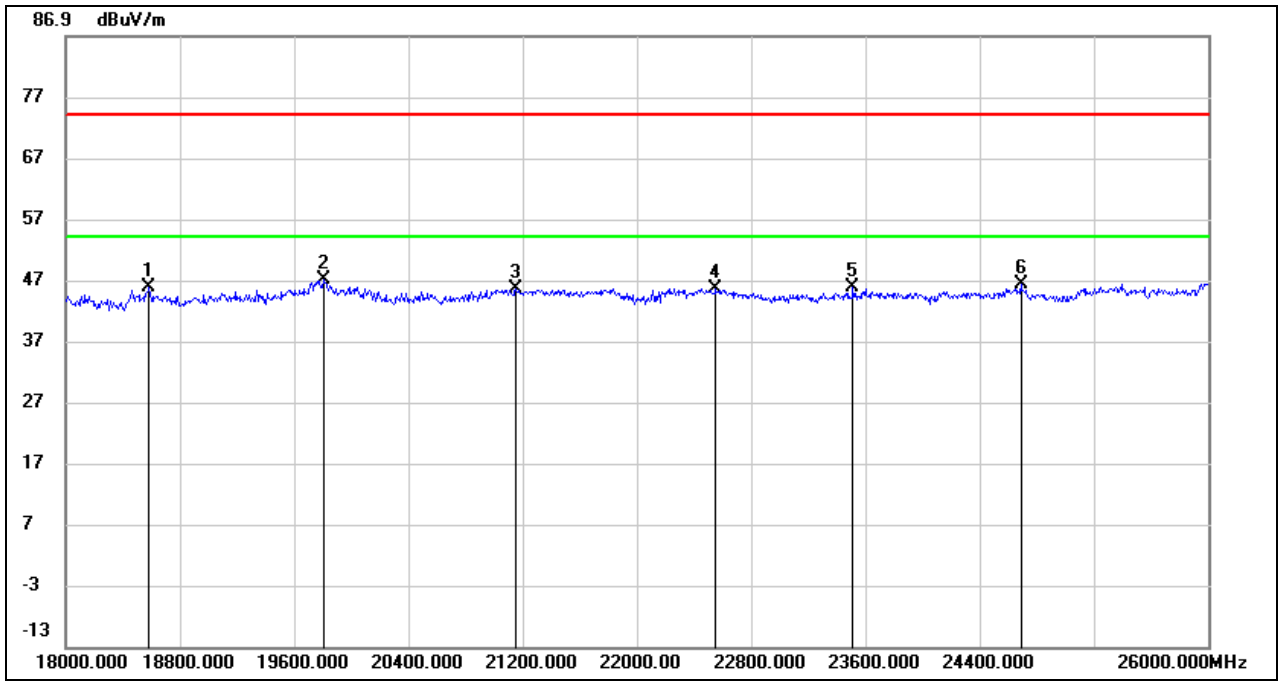
SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18584.000	50.19	-4.53	45.66	74.00	-28.34	peak
2	19808.000	51.33	-4.34	46.99	74.00	-27.01	peak
3	21152.000	51.06	-5.42	45.64	74.00	-28.36	peak
4	22552.000	51.39	-5.78	45.61	74.00	-28.39	peak
5	23512.000	50.51	-4.76	45.75	74.00	-28.25	peak
6	24688.000	48.39	-2.11	46.28	74.00	-27.72	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. The preamplifier only effect to the above 18GHz signal and no filter added to the measurement chain.

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

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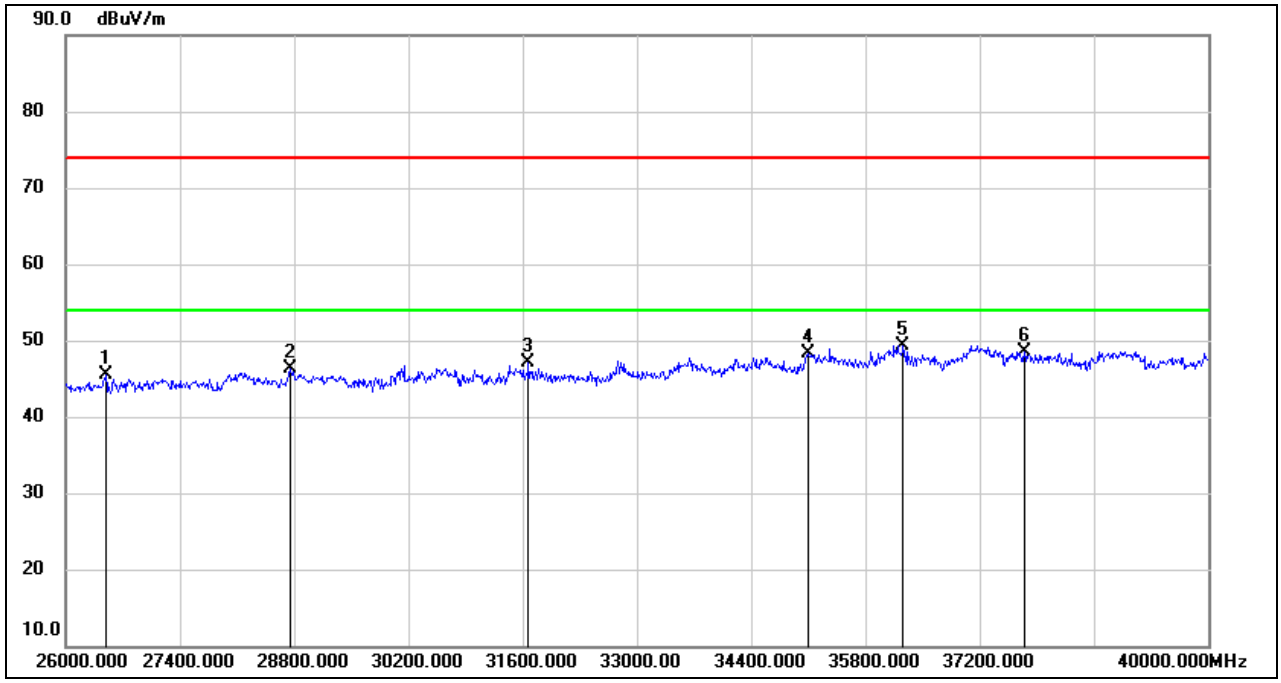
8.5. SPURIOUS EMISSIONS (26 GHz ~ 40 GHz)

8.5.1. 802.11ac VHT20 CDD 4TX MODE

SPURIOUS EMISSIONS (UNII-2C BAND LOW CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26490.000	50.29	-4.74	45.55	74.00	-28.45	peak
2	28744.000	46.86	-0.56	46.30	74.00	-27.70	peak
3	31670.000	48.36	-1.21	47.15	74.00	-26.85	peak
4	35100.000	46.44	1.85	48.29	74.00	-25.71	peak
5	36262.000	46.10	3.28	49.38	74.00	-24.62	peak
6	37746.000	44.90	3.66	48.56	74.00	-25.44	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.

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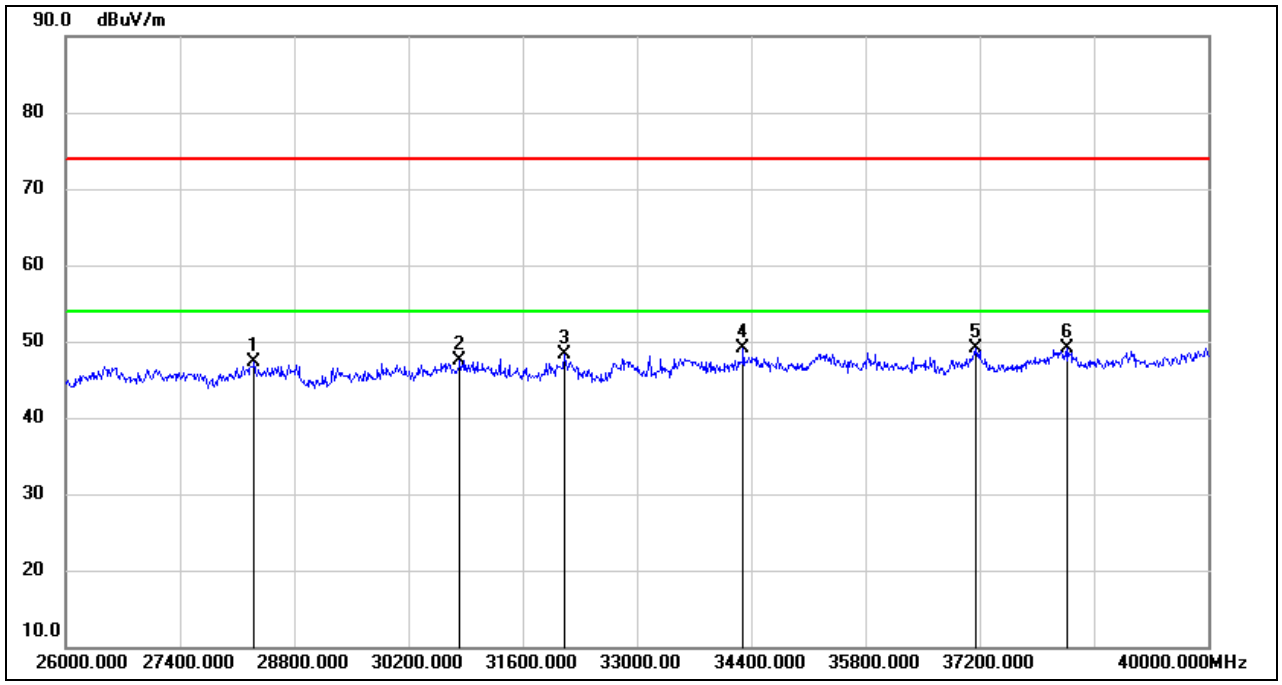
SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	28310.000	49.67	-2.46	47.21	74.00	-26.79	peak
2	30830.000	48.52	-1.03	47.49	74.00	-26.51	peak
3	32104.000	49.99	-1.75	48.24	74.00	-25.76	peak
4	34302.000	47.95	1.10	49.05	74.00	-24.95	peak
5	37158.000	45.84	3.17	49.01	74.00	-24.99	peak
6	38278.000	45.32	3.82	49.14	74.00	-24.86	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 channels had been tested, but only the worst data was recorded in the report.

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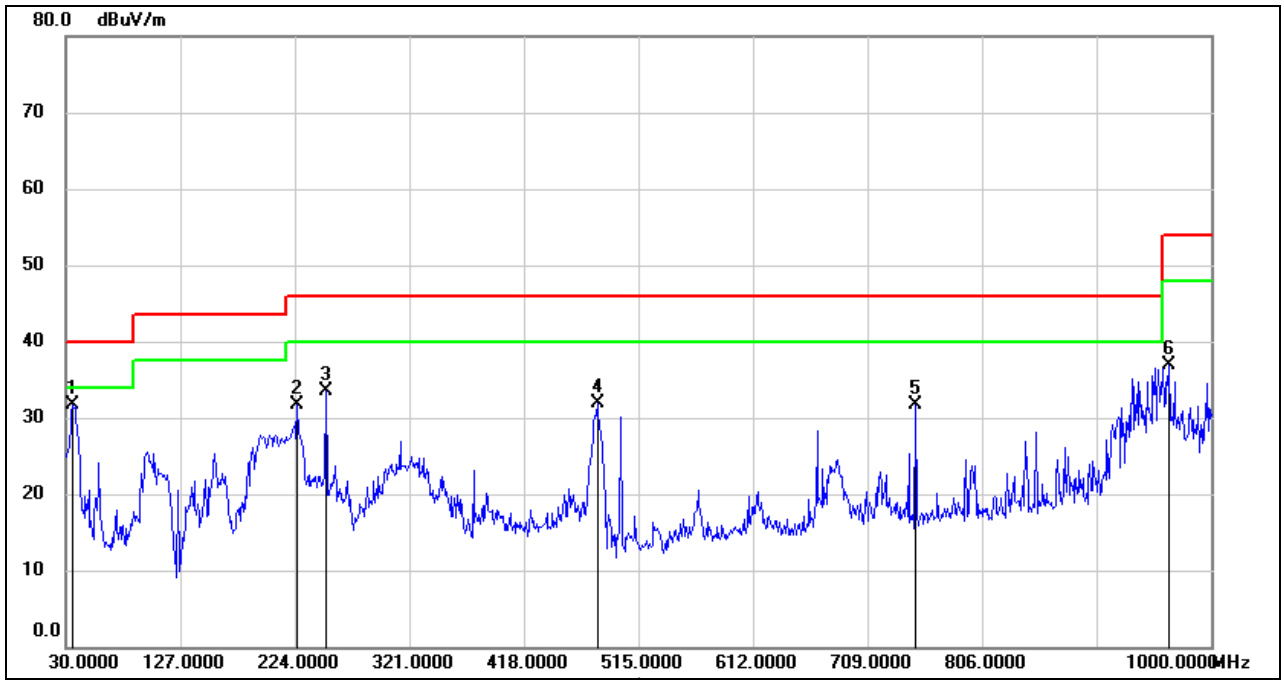
8.6. SPURIOUS EMISSIONS (30 MHz ~ 1 GHz)

8.6.1. 802.11ac VHT20 CDD 4TX MODE

TEST RESULTS (WORST CASE)

SPURIOUS EMISSIONS (UNII-2C BAND LOW CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	35.8200	51.15	-19.50	31.65	40.00	-8.35	QP
2	225.9400	50.19	-18.47	31.72	46.00	-14.28	QP
3	250.1900	52.40	-18.91	33.49	46.00	-12.51	QP
4	480.0800	43.65	-11.79	31.86	46.00	-14.14	QP
5	749.7400	39.59	-7.94	31.65	46.00	-14.35	QP
6	964.1100	41.40	-4.49	36.91	54.00	-17.09	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.

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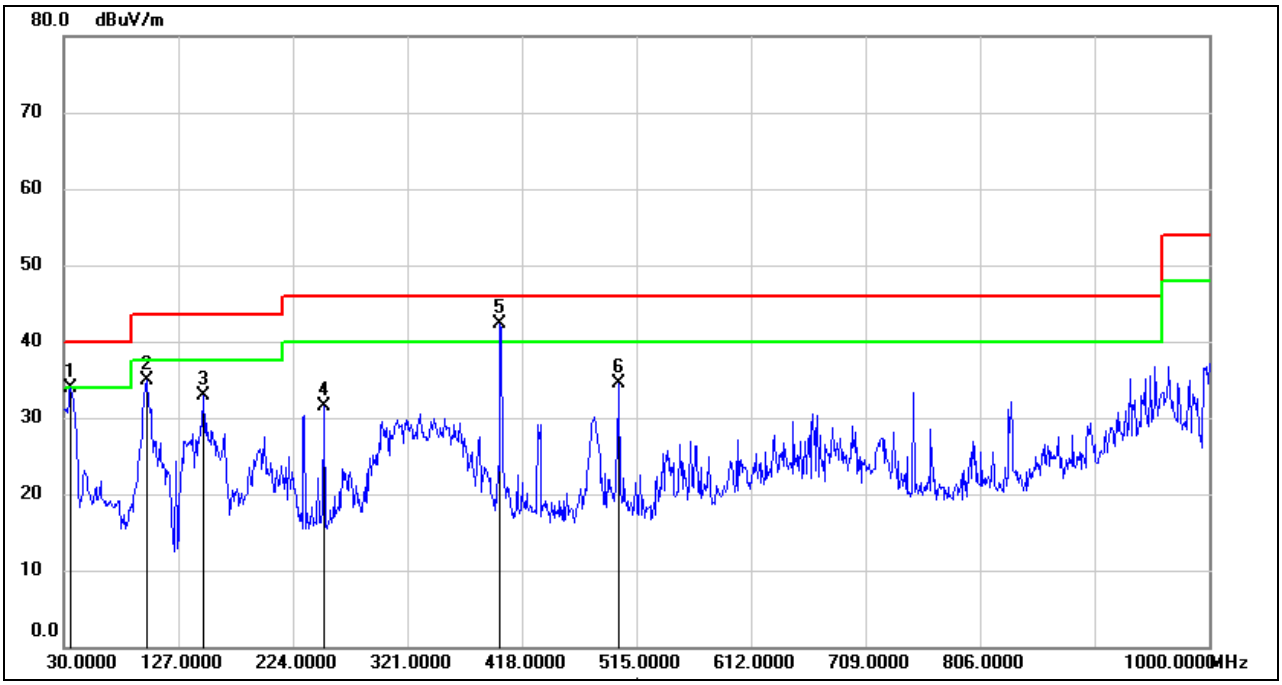
SPURIOUS EMISSIONS (UNII-2C BAND LOW CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	35.8200	53.38	-19.50	33.88	40.00	-6.12	QP
2	99.8399	56.10	-21.15	34.95	43.50	-8.55	QP
3	148.3400	51.30	-18.36	32.94	43.50	-10.56	QP
4	250.1900	50.40	-18.91	31.49	46.00	-14.51	QP
5	399.5700	55.61	-13.37	42.24	46.00	-3.76	QP
6	500.4500	45.89	-11.46	34.43	46.00	-11.57	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 channels had been tested, but only the worst data was recorded in the report.

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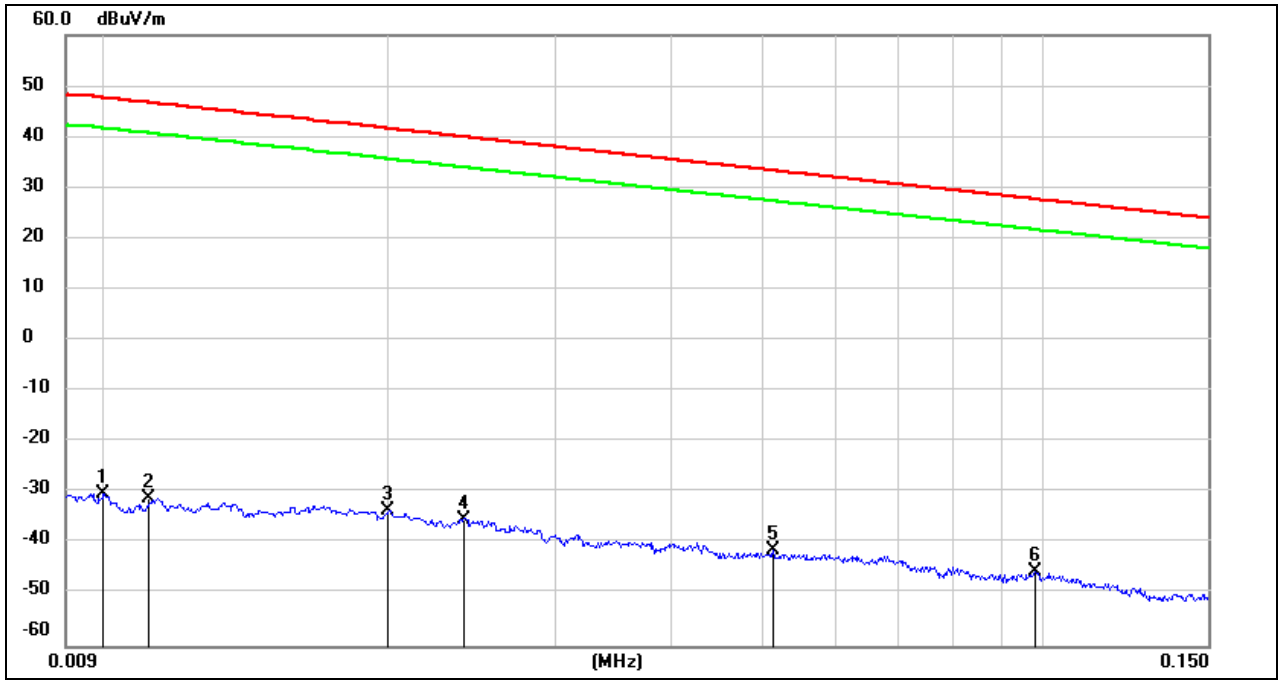
8.7. SPURIOUS EMISSIONS BELOW 30 MHz

8.7.1. 802.11ac VHT20 CDD 4TX MODE

SPURIOUS EMISSIONS (UNII-2C BAND LOW CHANNEL, LOOP ANTENNA FACE ON TO THE EUT, WORST-CASE CONFIGURATION)

9 kHz~ 150 kHz



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.0100	71.22	-101.40	-30.18	47.6	-81.68	-3.90	-77.78	peak
2	0.0111	70.45	-101.39	-30.94	46.69	-82.44	-4.81	-77.63	peak
3	0.0200	67.86	-101.34	-33.48	41.58	-84.98	-9.92	-75.06	peak
4	0.0240	66.05	-101.36	-35.31	40	-86.81	-11.50	-75.31	peak
5	0.0514	60.18	-101.48	-41.3	33.38	-92.80	-18.12	-74.68	peak
6	0.0981	56.27	-101.78	-45.51	27.77	-97.01	-23.73	-73.28	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. dBuA/m = dBuV/m – 20log10(120π) = dBuV/m -51.5.

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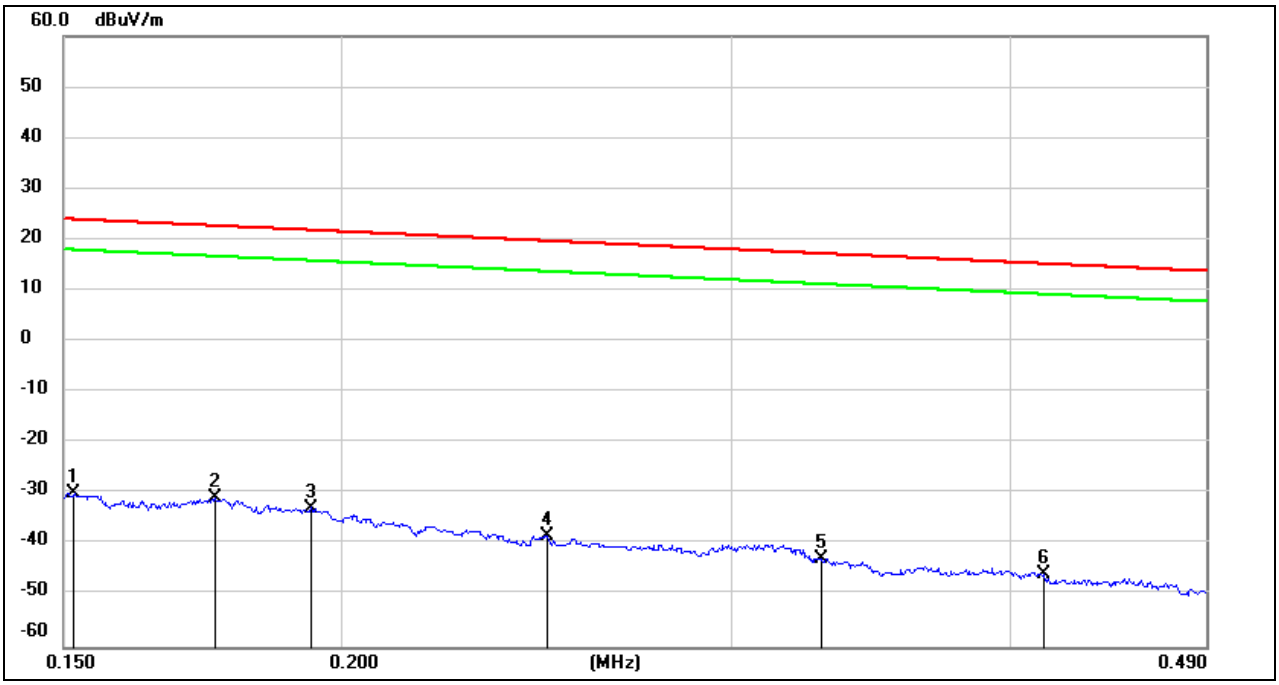
150 kHz ~ 490 kHz



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.1517	71.75	-101.63	-29.88	23.98	-81.38	-27.52	-53.86	peak
2	0.1756	70.84	-101.68	-30.84	22.72	-82.34	-28.78	-53.56	peak
3	0.1937	69.00	-101.70	-32.7	21.86	-84.20	-29.64	-54.56	peak
4	0.2474	63.44	-101.80	-38.36	19.73	-89.86	-31.77	-58.09	peak
5	0.3286	59.21	-101.88	-42.67	17.27	-94.17	-34.23	-59.94	peak
6	0.4142	56.23	-101.98	-45.75	15.26	-97.25	-36.24	-61.01	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. dBuA/m = dBuV/m – 20log10(120π) = dBuV/m -51.5.

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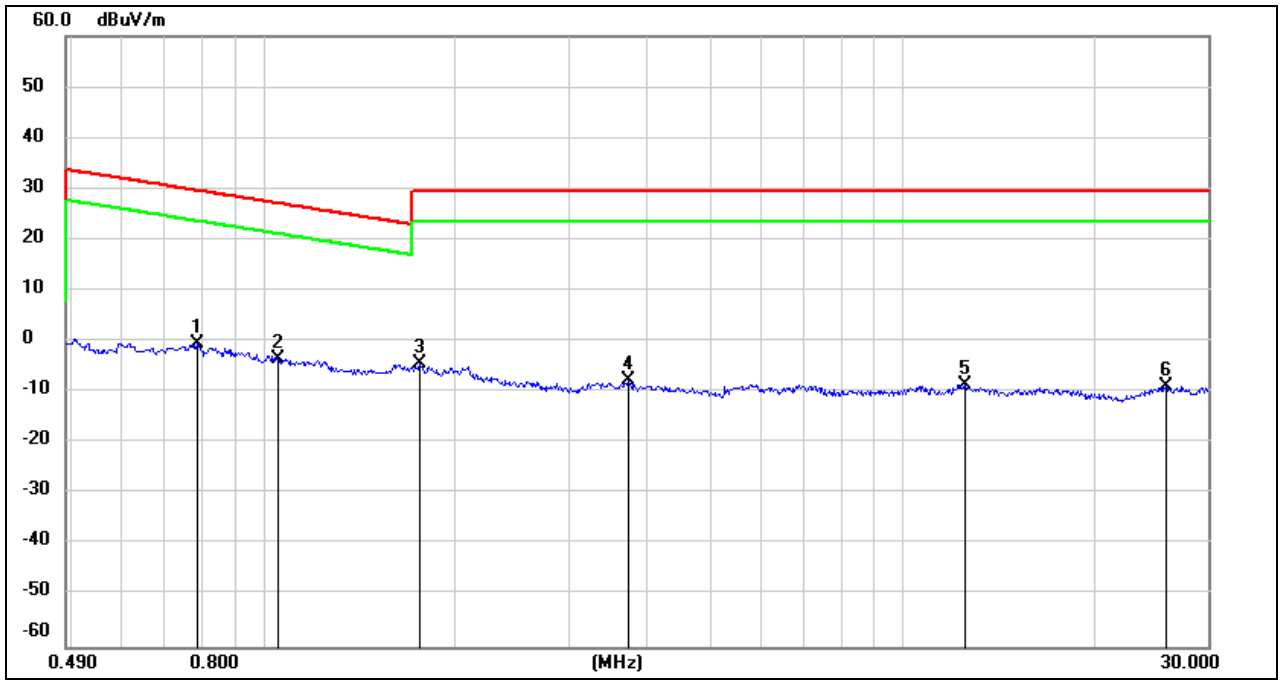
490 kHz ~ 30 MHz



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.7861	61.83	-62.14	-0.31	29.69	-51.81	-21.81	-30.00	peak
2	1.0524	58.94	-62.24	-3.3	27.16	-54.80	-24.34	-30.46	peak
3	1.7580	57.58	-61.93	-4.35	29.54	-55.85	-21.96	-33.89	peak
4	3.7100	53.70	-61.41	-7.71	29.54	-59.21	-21.96	-37.25	peak
5	12.5006	52.32	-60.91	-8.59	29.54	-60.09	-21.96	-38.13	peak
6	25.8094	51.41	-60.37	-8.96	29.54	-60.46	-21.96	-38.50	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. dBuA/m = dBuV/m – 20log10(120π) = dBuV/m -51.5.

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

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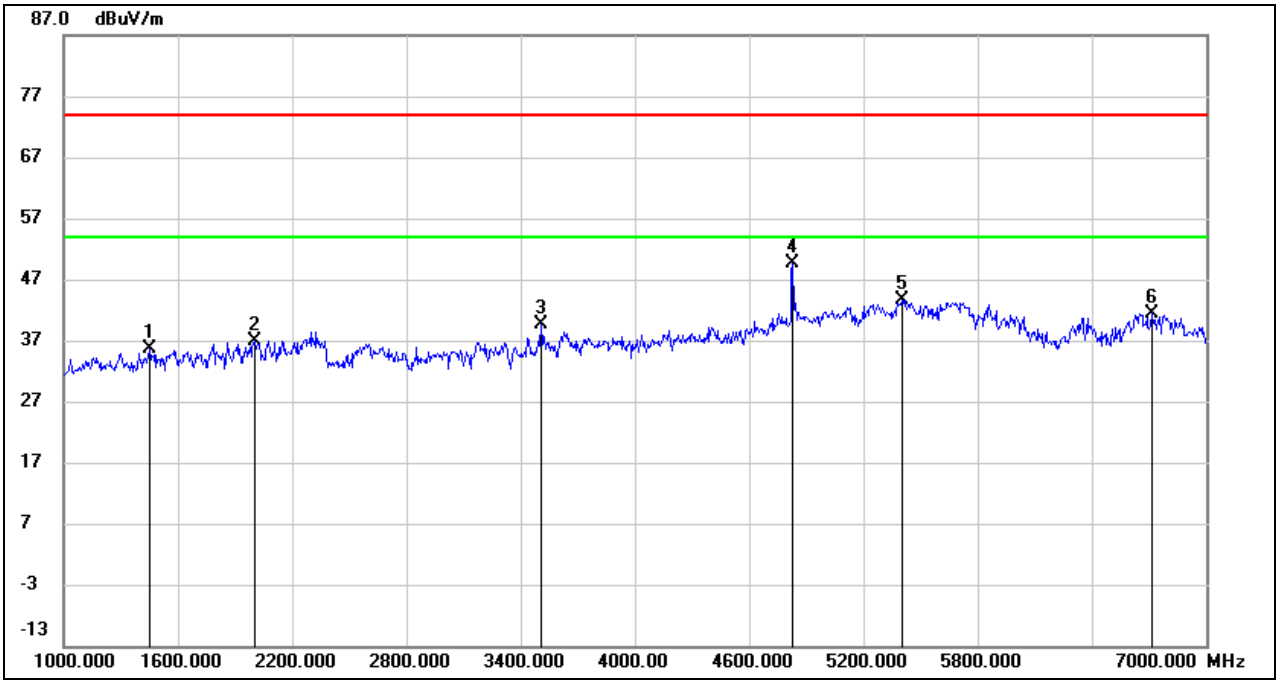
8.8. SPURIOUS EMISSIONS FOR SIMULTANEOUS TRANSMISSION

8.8.1. UNII-2A 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	1450.000	48.17	-12.46	35.71	74.00	-38.29	peak
2	2002.000	47.17	-10.18	36.99	74.00	-37.01	peak
3	3508.000	44.28	-4.67	39.61	74.00	-34.39	peak
4	4828.000	48.93	0.63	49.56	74.00	-24.44	peak
5	5404.000	41.79	1.89	43.68	74.00	-30.32	peak
6	6712.000	35.96	5.54	41.50	74.00	-32.50	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.

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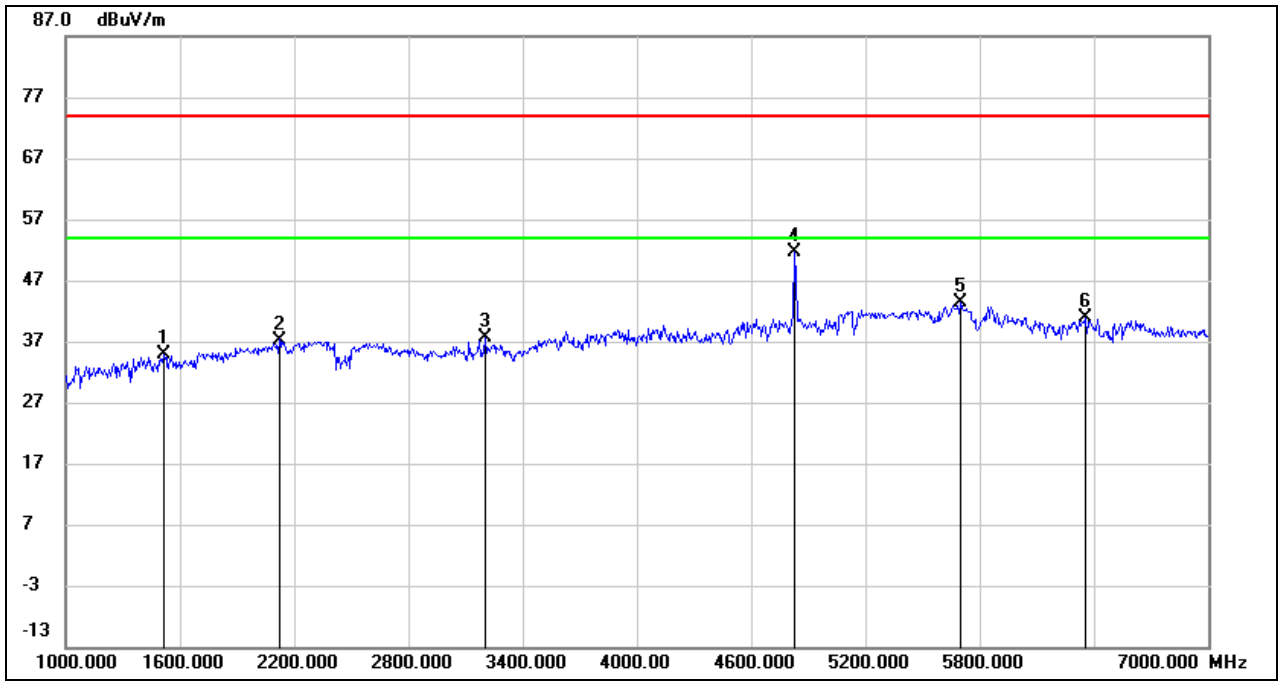
SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)

1-7GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1516.000	46.92	-12.12	34.80	74.00	-39.20	peak
2	2122.000	46.74	-9.49	37.25	74.00	-36.75	peak
3	3202.000	42.78	-5.25	37.53	74.00	-36.47	peak
4	4828.000	50.88	0.63	51.51	74.00	-22.49	peak
5	5698.000	40.84	2.49	43.33	74.00	-30.67	peak
6	6352.000	36.88	4.10	40.98	74.00	-33.02	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.

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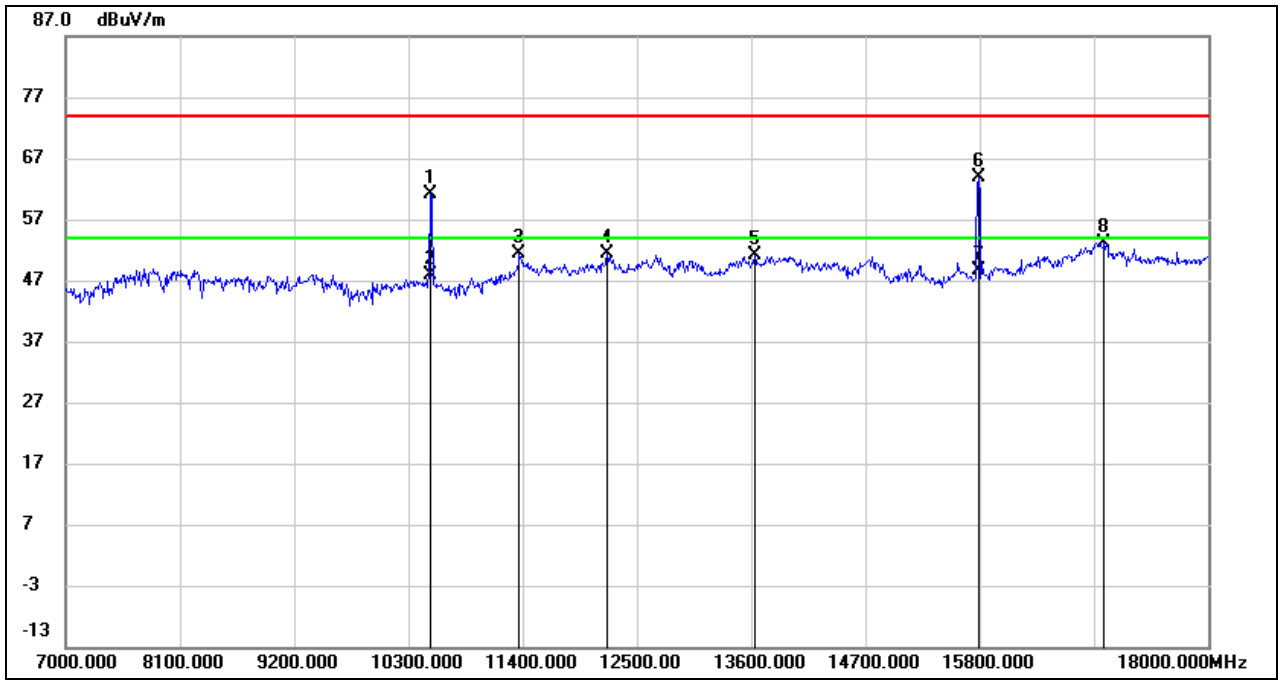
SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)

7-18GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10509.000	48.84	12.39	61.23	68.2	-6.97	peak
2	10509.000	35.47	12.39	47.86	/	/	AVG
3	11367.000	36.98	14.45	51.43	74.00	-22.57	peak
4	12214.000	35.30	15.97	51.27	74.00	-22.73	peak
5	13633.000	33.76	17.26	51.02	74.00	-22.98	peak
6	15789.000	45.93	17.97	63.90	74.00	-10.10	peak
7	15789.000	30.70	17.97	48.67	54.00	-5.33	AVG
8	16999.000	31.99	21.25	53.24	74.00	-20.76	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.

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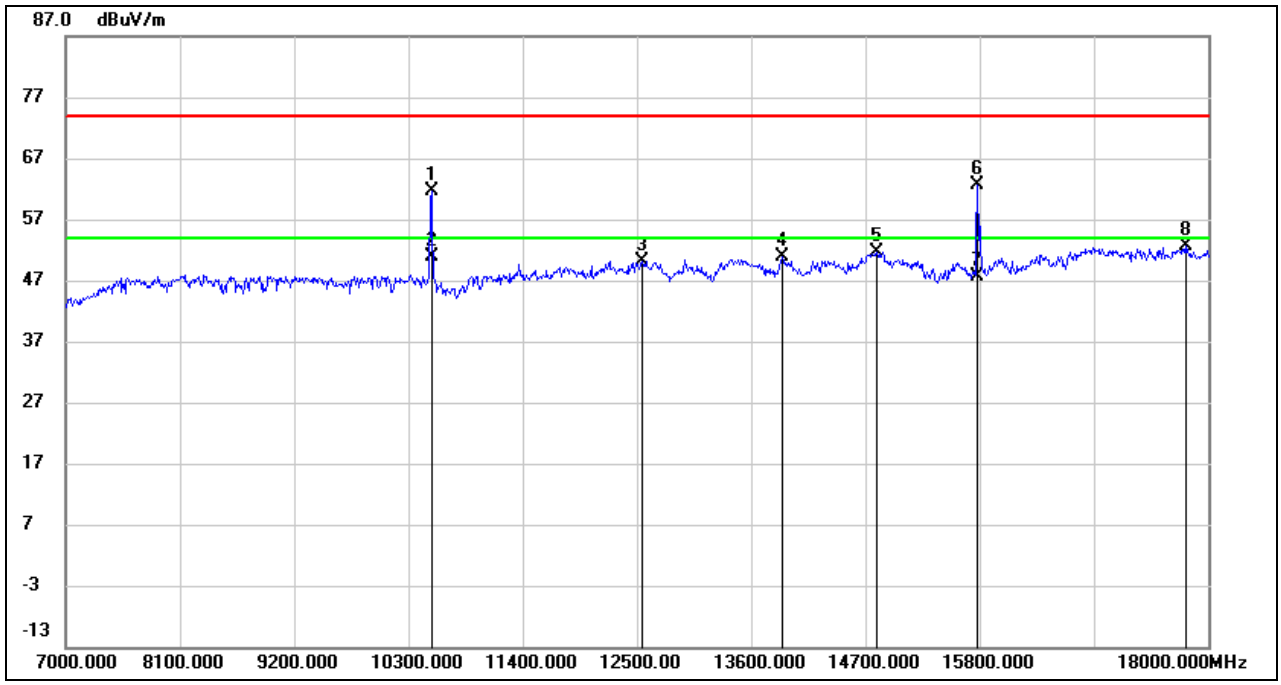
SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)

7-18GHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10520.000	49.28	12.43	61.71	68.2	-6.49	peak
2	10520.000	38.54	12.43	50.97	/	/	AVG
3	12555.000	34.47	15.73	50.20	74.00	-23.80	peak
4	13897.000	33.32	17.52	50.84	74.00	-23.16	peak
5	14810.000	33.59	17.97	51.56	74.00	-22.44	peak
6	15778.000	44.69	17.96	62.65	74.00	-11.35	peak
7	15778.000	29.60	17.96	47.56	54.00	-6.44	AVG
8	17780.000	28.65	23.94	52.59	74.00	-21.41	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.

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9. AC POWER LINE CONDUCTED EMISSIONS

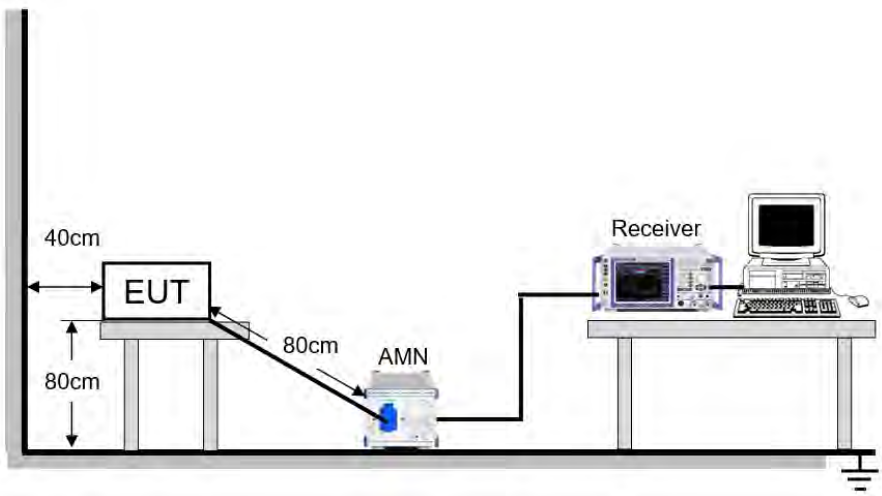
LIMITS

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	25.5 °C	Relative Humidity	59 %
Atmosphere Pressure	101 kPa	Test Voltage	AC120 V,60 Hz

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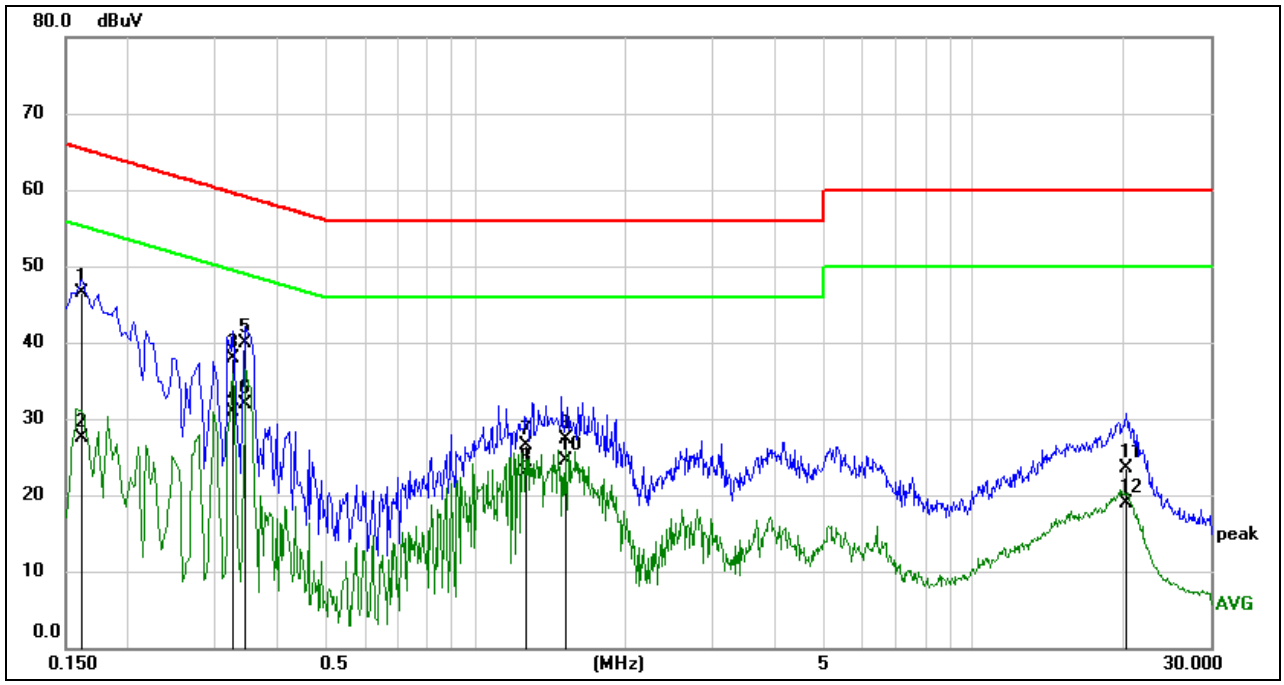
RESULTS

9.1. 802.11ac VHT20 CDD 4TX MODE

LINE N RESULTS (UNII-2C BAND LOW CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1620	37.00	9.59	46.59	65.36	-18.77	QP
2	0.1620	17.90	9.59	27.49	55.36	-27.87	AVG
3	0.3265	28.41	9.59	38.00	59.54	-21.54	QP
4	0.3265	21.30	9.59	30.89	49.54	-18.65	AVG
5	0.3437	30.41	9.59	40.00	59.11	-19.11	QP
6	0.3437	22.25	9.59	31.84	49.11	-17.27	AVG
7	1.2665	16.93	9.61	26.54	56.00	-29.46	QP
8	1.2665	13.29	9.61	22.90	46.00	-23.10	AVG
9	1.5170	17.65	9.62	27.27	56.00	-28.73	QP
10	1.5170	14.92	9.62	24.54	46.00	-21.46	AVG
11	20.3844	13.83	9.74	23.57	60.00	-36.43	QP
12	20.3844	9.10	9.74	18.84	50.00	-31.16	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.

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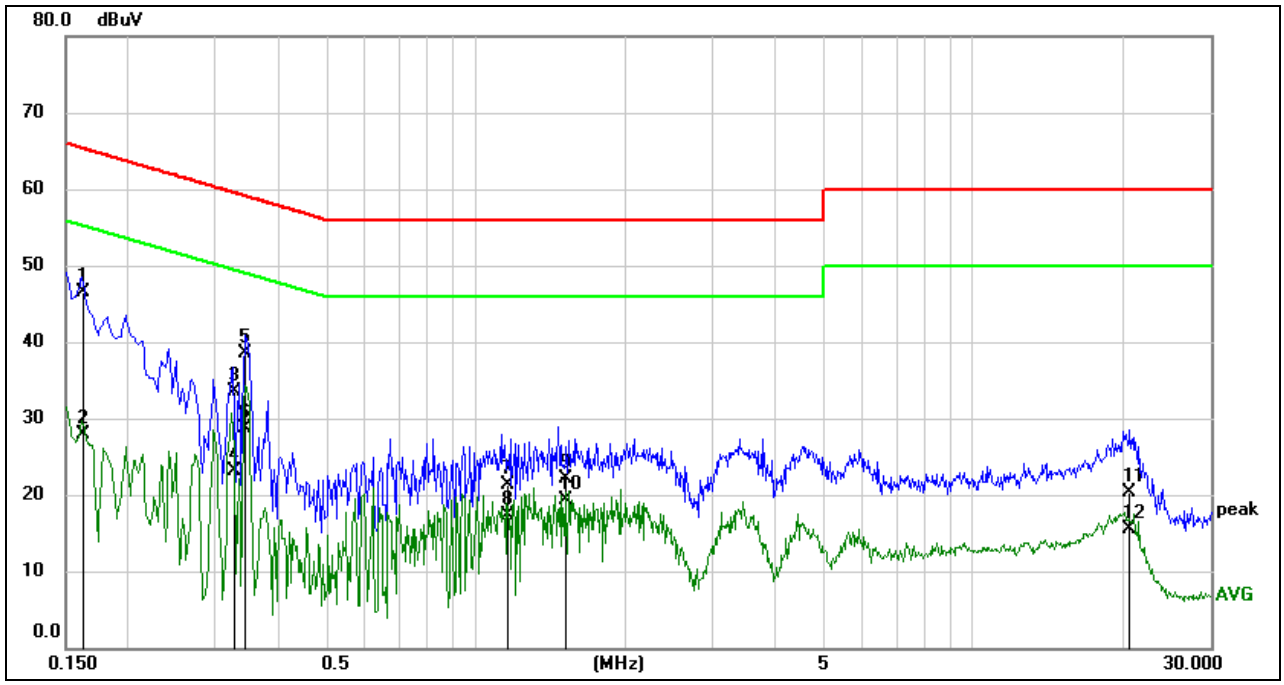
LINE L RESULTS (UNII-2C BAND LOW CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1627	36.93	9.59	46.52	65.32	-18.80	QP
2	0.1627	18.22	9.59	27.81	55.32	-27.51	AVG
3	0.3290	23.90	9.59	33.49	59.48	-25.99	QP
4	0.3290	13.42	9.59	23.01	49.48	-26.47	AVG
5	0.3421	28.89	9.59	38.48	59.15	-20.67	QP
6	0.3421	19.10	9.59	28.69	49.15	-20.46	AVG
7	1.1678	11.77	9.61	21.38	56.00	-34.62	QP
8	1.1678	7.77	9.61	17.38	46.00	-28.62	AVG
9	1.5168	12.45	9.62	22.07	56.00	-33.93	QP
10	1.5168	9.72	9.62	19.34	46.00	-26.66	AVG
11	20.6312	10.43	9.84	20.27	60.00	-39.73	QP
12	20.6312	5.57	9.84	15.41	50.00	-34.59	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 and channels had been tested, but only the worst data was recorded in the report.

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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.

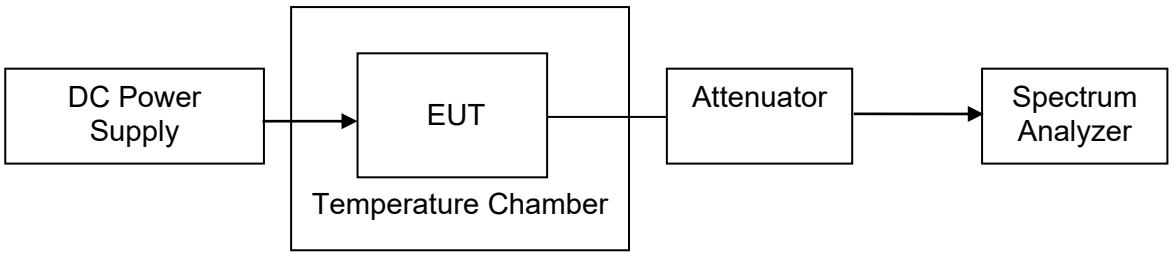
Connect the EUT to the spectrum analyser and use the following settings:

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	10 kHz
VBW	≥3 × 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, 5minutes, 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



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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

Please refer to Appendix E.

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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)(1)(2)(3)
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

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Appendix A1: 26dB Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11A-CDD	Ant1	5180	19.800	5170.200	5190.000	PASS
		5200	20.320	5190.040	5203.040	PASS
		5240	19.840	5230.320	5250.160	PASS
		5260	19.320	5250.320	5269.640	PASS
		5280	19.800	5270.120	5289.920	PASS
		5320	19.600	5310.360	5329.960	PASS
		5500	19.360	5490.480	5509.840	PASS
		5580	19.040	5570.480	5589.520	PASS
		5700	19.200	5690.400	5709.600	PASS
		5745	19.440	5735.400	5754.840	PASS
		5785	19.640	5775.200	5794.840	PASS
		5825	19.400	5815.520	5834.920	PASS
11AC20-CDD	Ant1	5180	19.760	5170.040	5189.800	PASS
		5200	20.200	5189.960	5210.160	PASS
		5240	20.240	5229.840	5250.080	PASS
		5260	19.840	5250.000	5269.840	PASS
		5280	19.880	5270.120	5290.000	PASS
		5320	19.960	5310.160	5330.120	PASS
		5500	19.920	5490.120	5510.040	PASS
		5580	19.760	5570.000	5589.760	PASS
		5700	19.520	5690.360	5709.880	PASS
		5745	19.840	5734.800	5754.640	PASS
		5785	20.280	5774.960	5795.240	PASS
		5825	20.280	5814.920	5835.200	PASS
11AC40-CDD	Ant1	5190	40.080	5169.760	5209.840	PASS
		5230	39.520	5210.400	5249.920	PASS
		5270	38.800	5250.800	5289.600	PASS
		5310	40.000	5290.000	5330.000	PASS
		5510	39.120	5490.400	5529.520	PASS
		5550	40.320	5529.920	5570.240	PASS
		5670	39.040	5650.720	5689.760	PASS
		5755	40.400	5734.360	5774.760	PASS
		5795	40.000	5775.080	5815.080	PASS
11AC80-CDD	Ant1	5210	79.360	5170.800	5250.160	PASS
		5290	80.000	5250.480	5330.480	PASS
		5530	80.960	5489.520	5570.480	PASS
		5610	80.160	5570.160	5650.320	PASS
		5775	79.840	5735.320	5815.160	PASS

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

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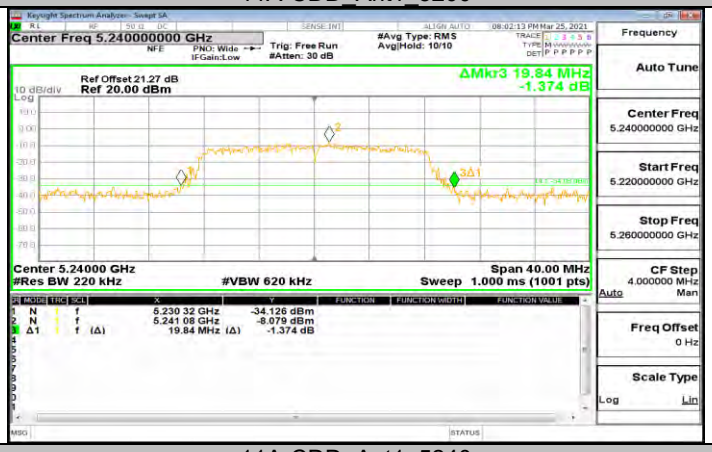
Test Graphs

11A-CDD_Ant1_5180

11A-CDD_Ant1_5200



11A-CDD_Ant1_5240

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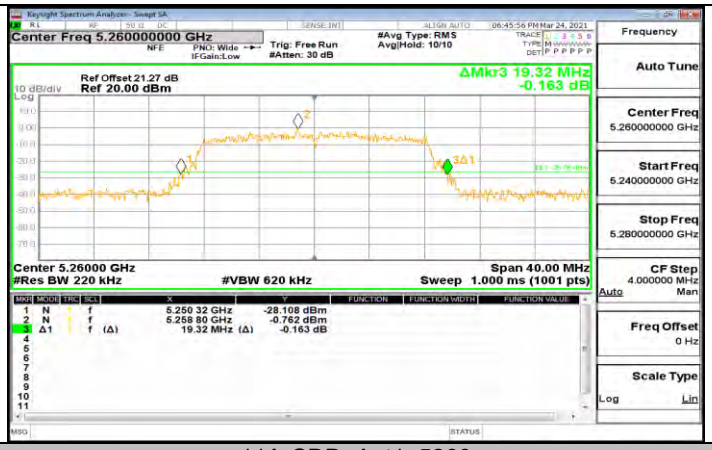

11A-CDD_Ant1_5260

11A-CDD_Ant1_5280

11A-CDD_Ant1_5320

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11A-CDD_Ant1_5500

11A-CDD_Ant1_5580

11A-CDD_Ant1_5700

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11A-CDD_Ant1_5745

11A-CDD_Ant1_5785

11A-CDD_Ant1_5825

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11AC20-CDD_Ant1_5180

11AC20-CDD_Ant1_5200

11AC20-CDD_Ant1_5240

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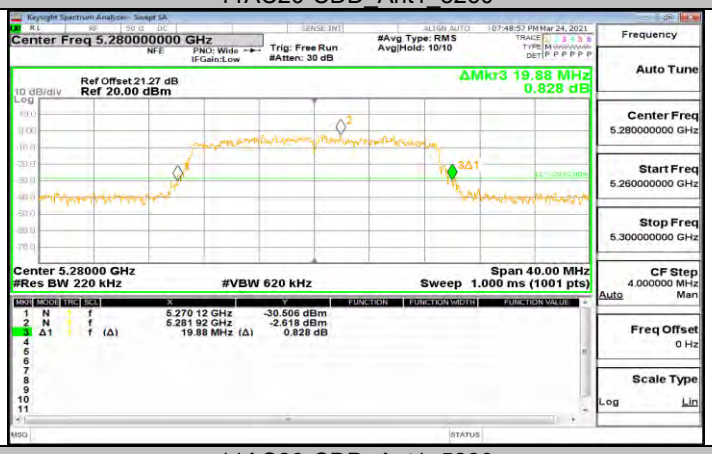

11AC20-CDD_Ant1_5280

11AC20-CDD_Ant1_5320

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11AC20-CDD_Ant1_5500

11AC20-CDD_Ant1_5580

11AC20-CDD_Ant1_5700

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11AC20-CDD_Ant1_5745

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11AC20-CDD_Ant1_5825

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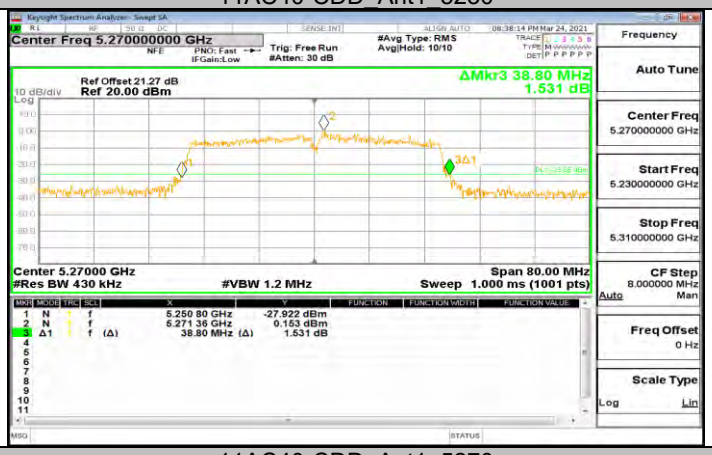
11AC40-CDD_Ant1_5230



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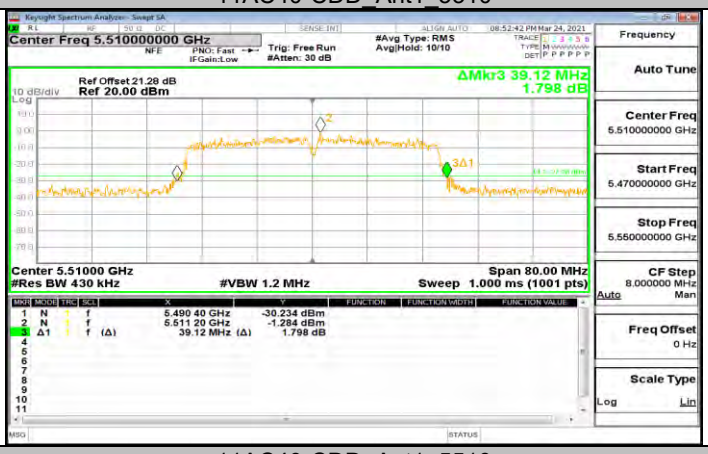

11AC40-CDD_Ant1_5510

11AC40-CDD_Ant1_5550

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11AC40-CDD_Ant1_5670

11AC40-CDD_Ant1_5755

11AC40-CDD_Ant1_5795

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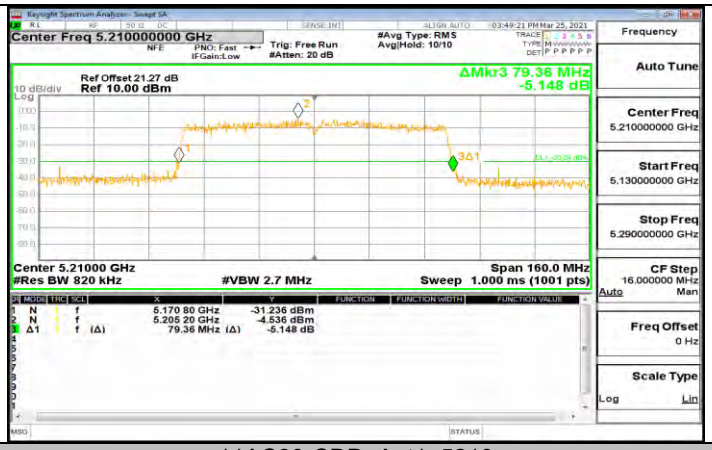
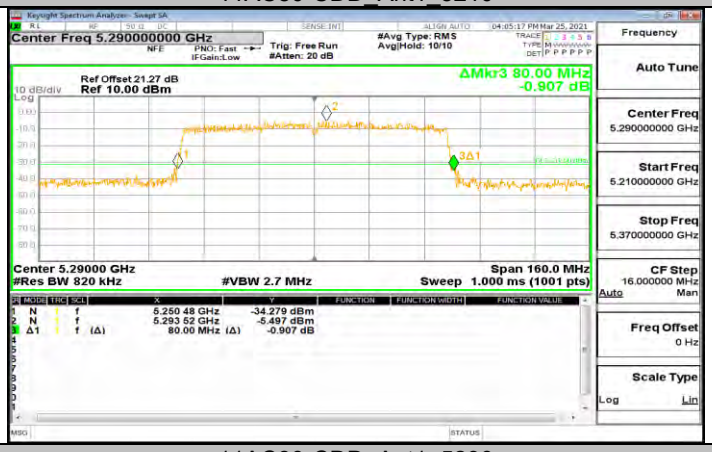


11AC80-CDD_Ant1_5210



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11AC80-CDD_Ant1_5530

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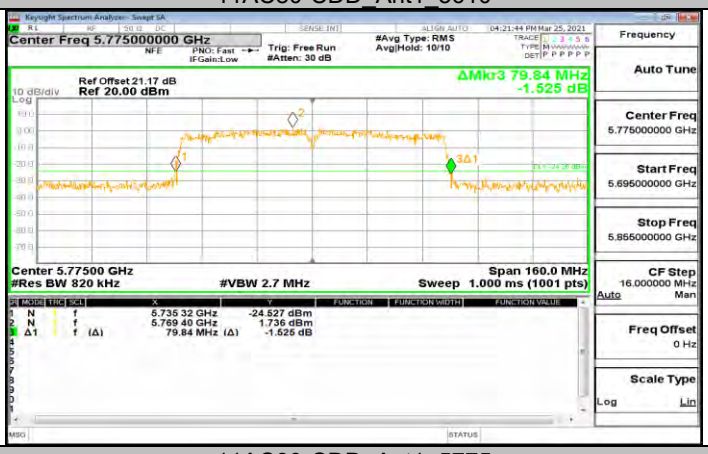
11AC80-CDD_Ant1_5610



11AC80-CDD_Ant1_5775

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Appendix A2: 99% Occupied channel bandwidth
Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A-CDD	Ant1	5180	16.803	5171.673	5188.476	PASS
		5200	16.766	5191.677	5208.443	PASS
		5240	16.775	5231.713	5248.488	PASS
		5260	16.567	5251.794	5268.361	PASS
		5280	16.661	5271.751	5288.412	PASS
		5320	16.520	5311.805	5328.325	PASS
		5500	16.522	5491.798	5508.320	PASS
		5580	16.601	5571.730	5588.331	PASS
		5700	16.515	5691.767	5708.282	PASS
		5745	16.564	5736.780	5753.344	PASS
		5785	16.516	5776.804	5793.320	PASS
		5825	16.672	5816.702	5833.374	PASS
11AC20-CDD	Ant1	5180	17.798	5171.165	5188.963	PASS
		5200	17.851	5191.113	5208.964	PASS
		5240	17.762	5231.167	5248.929	PASS
		5260	17.703	5251.187	5268.890	PASS
		5280	17.673	5271.215	5288.888	PASS
		5320	17.704	5311.162	5328.866	PASS
		5500	17.792	5491.179	5508.971	PASS
		5580	17.788	5571.207	5588.995	PASS
		5700	17.570	5691.260	5708.830	PASS
		5745	17.663	5736.181	5753.844	PASS
		5785	17.744	5776.164	5793.908	PASS
		5825	17.622	5816.235	5833.857	PASS
11AC40-CDD	Ant1	5190	35.980	5172.095	5208.075	PASS
		5230	36.226	5211.976	5248.202	PASS
		5270	36.409	5252.080	5288.489	PASS
		5310	36.110	5292.131	5328.241	PASS
		5510	36.153	5492.081	5528.234	PASS
		5550	36.287	5531.974	5568.261	PASS
		5670	36.170	5651.994	5688.164	PASS
		5755	35.876	5737.238	5773.114	PASS
		5795	36.018	5777.090	5813.108	PASS
11AC80-CDD	Ant1	5210	76.565	5171.768	5248.333	PASS
		5290	76.413	5252.001	5328.414	PASS
		5530	76.212	5492.146	5568.358	PASS
		5610	76.477	5571.981	5648.458	PASS
		5775	75.740	5737.236	5812.976	PASS

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

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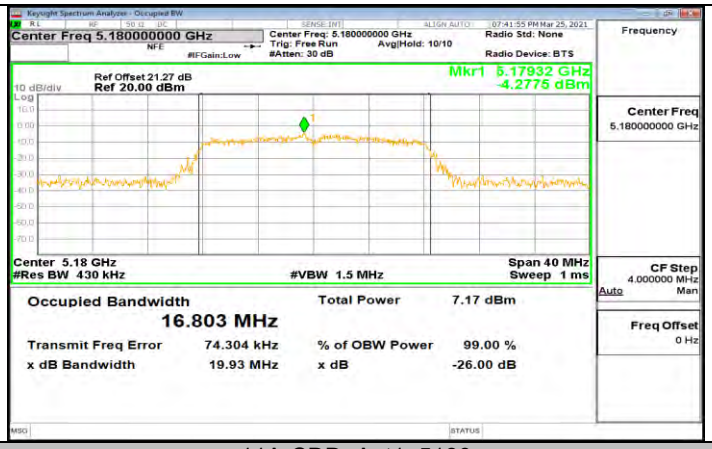
Test Graphs



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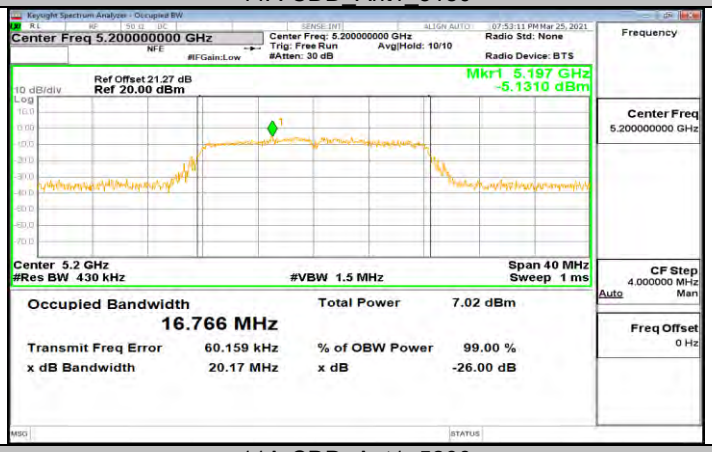
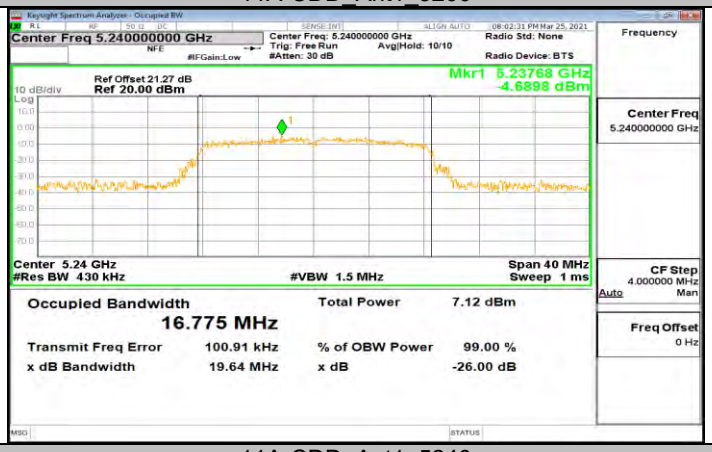


11A-CDD_Ant1_5200



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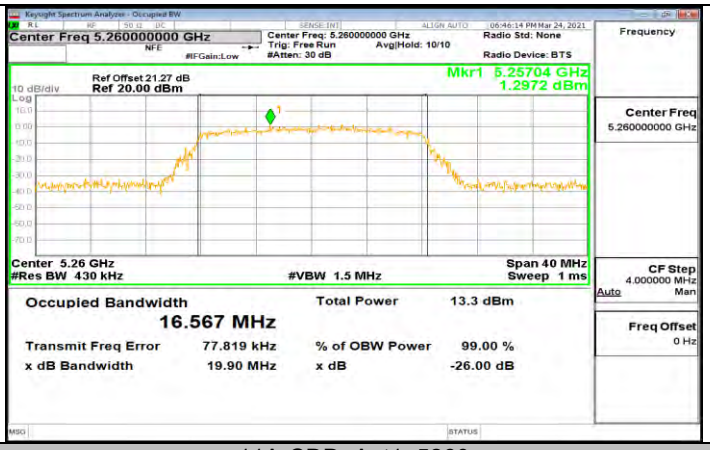

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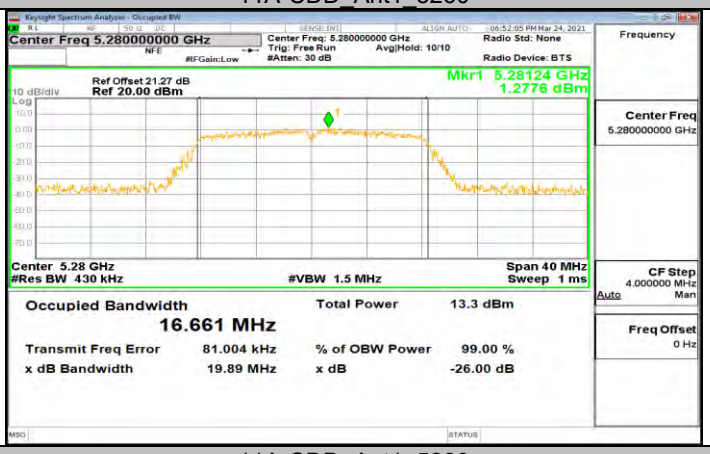

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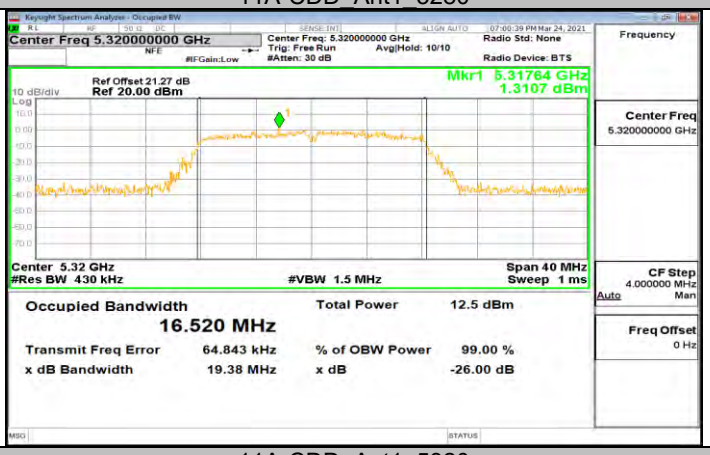

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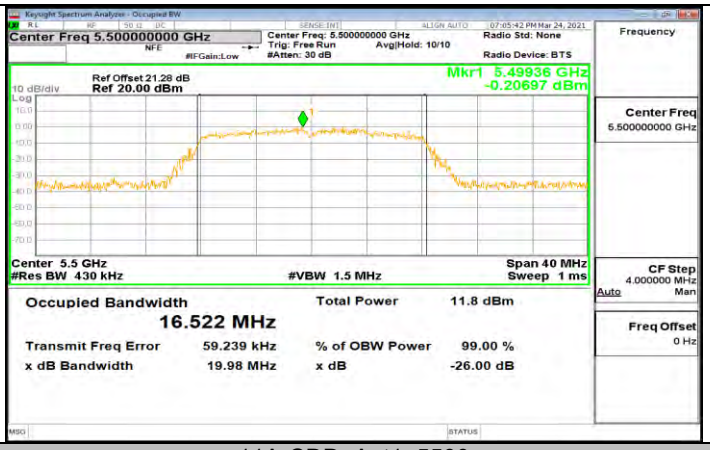

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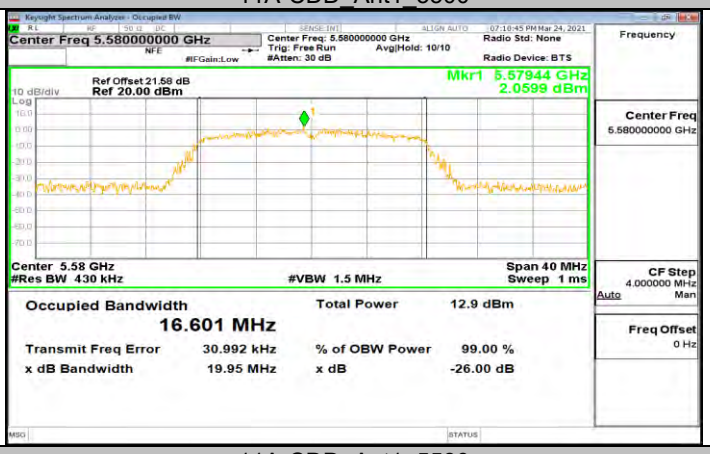

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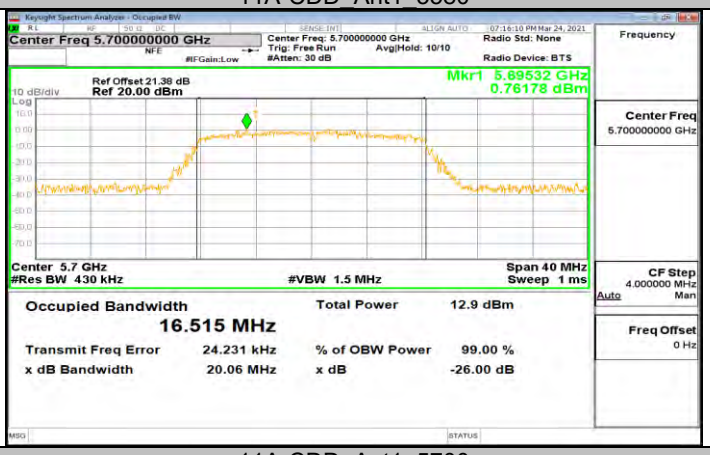

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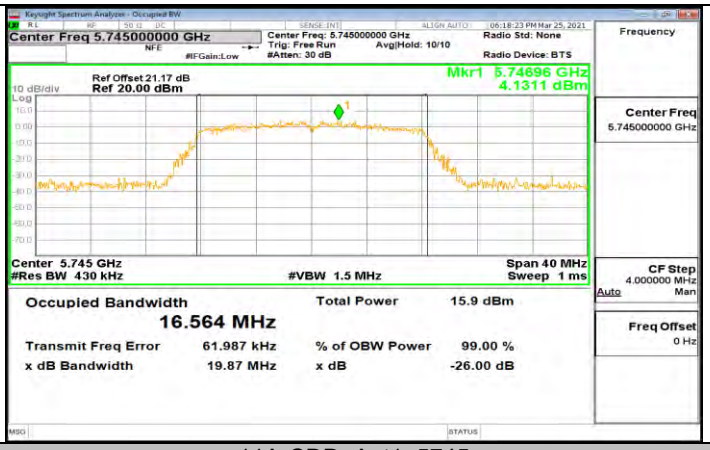

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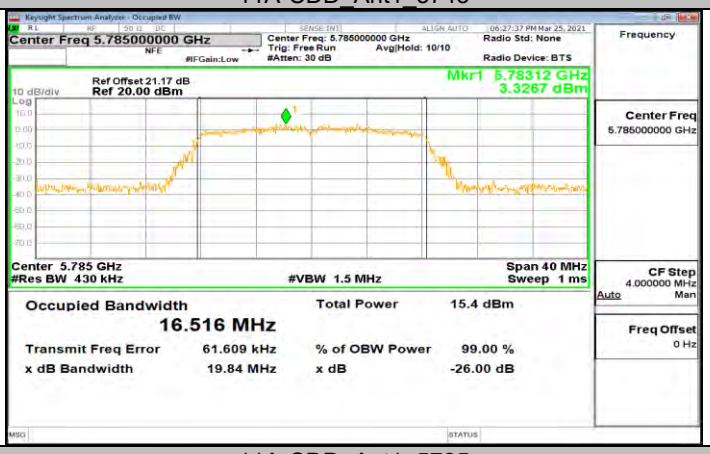

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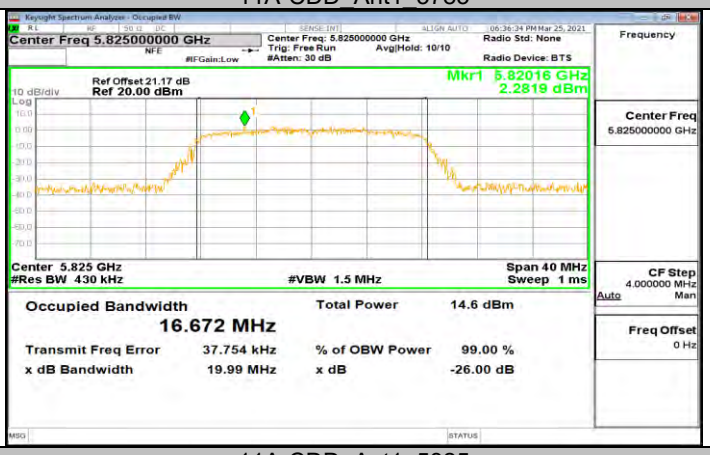

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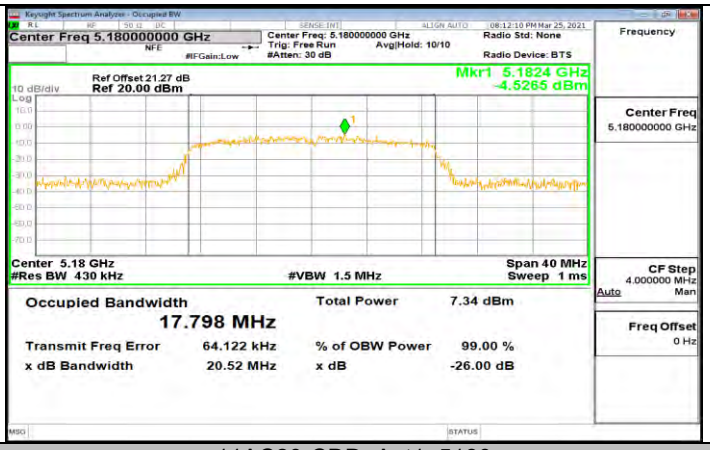

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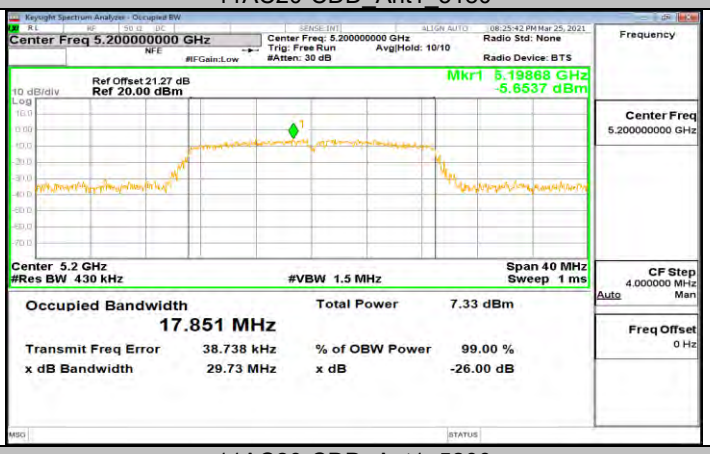

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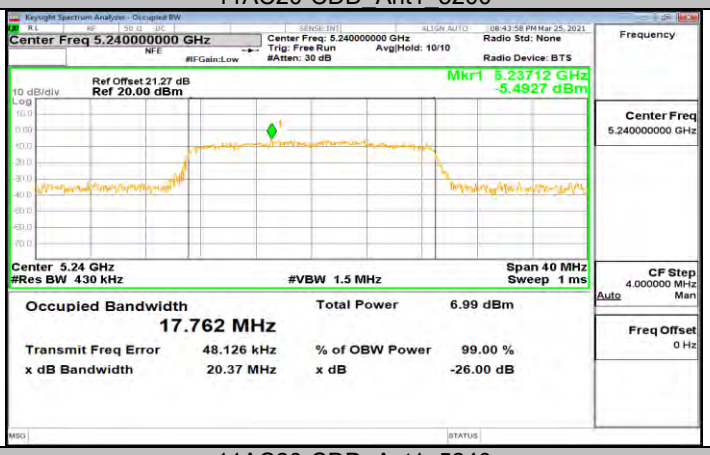

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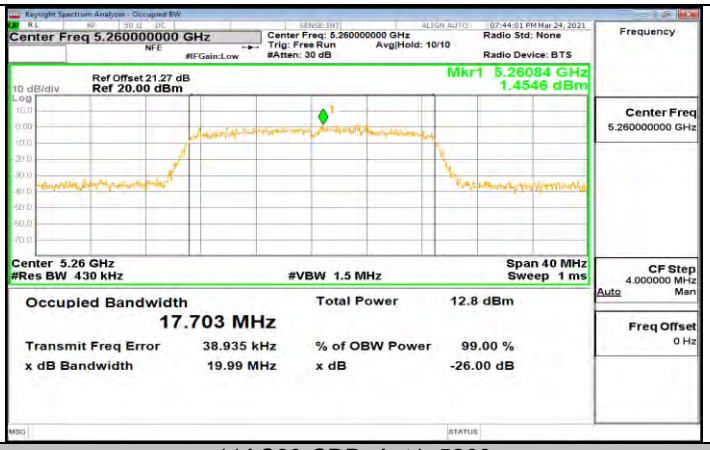

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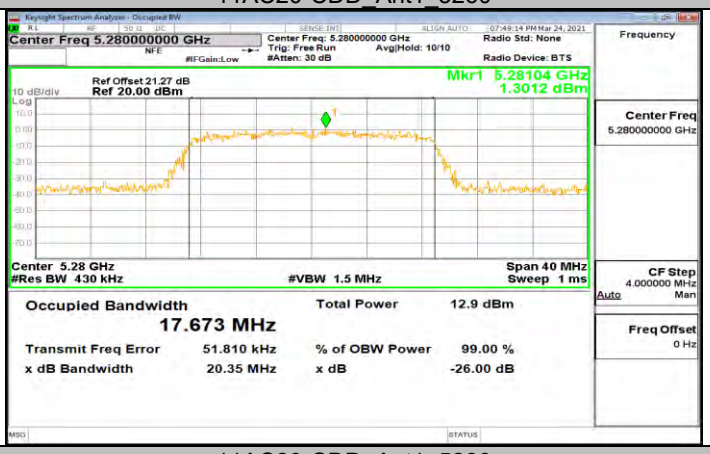

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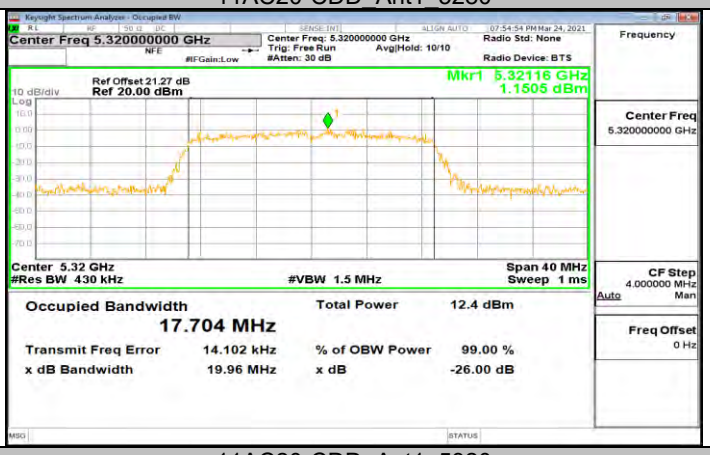

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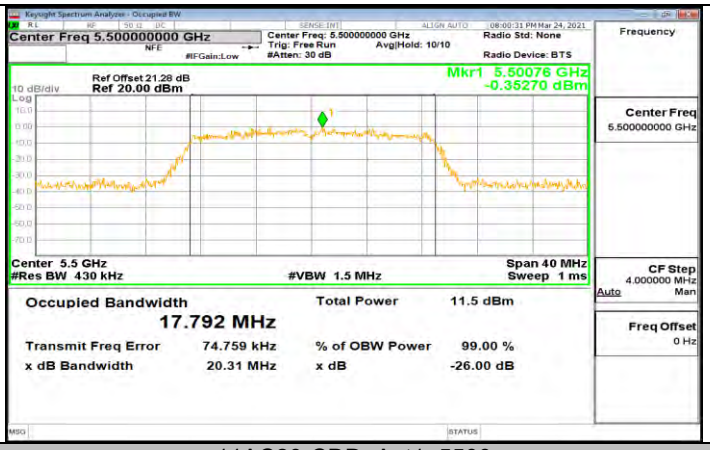

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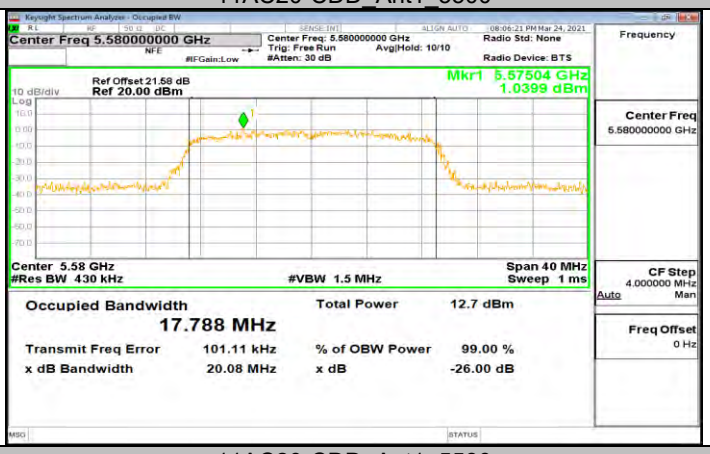

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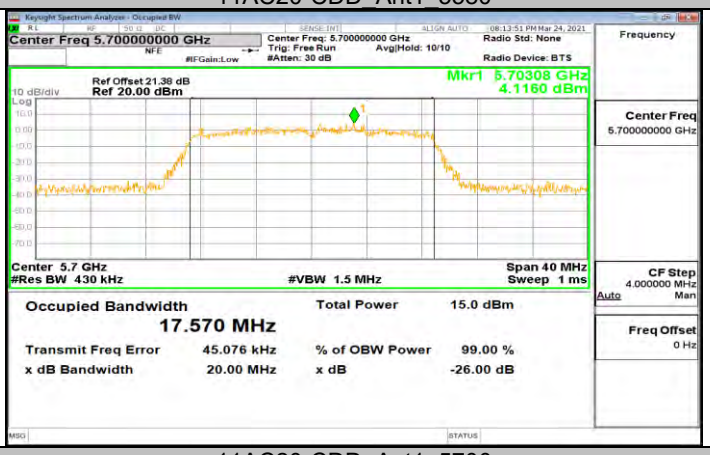

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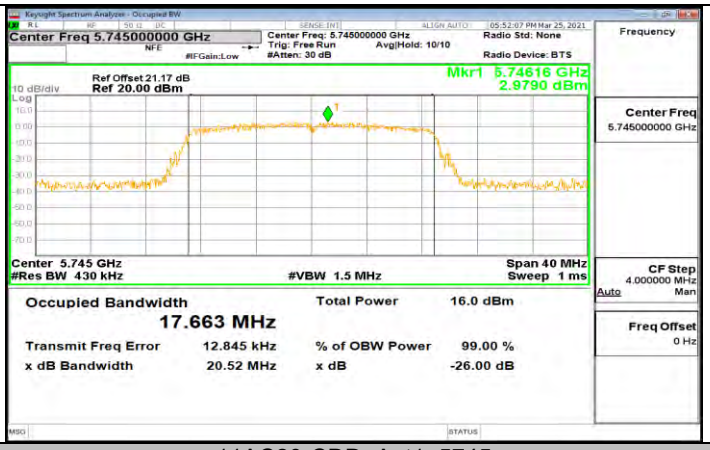

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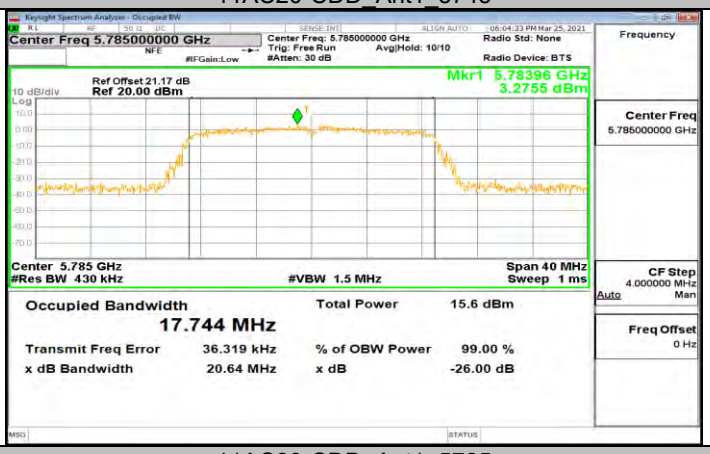

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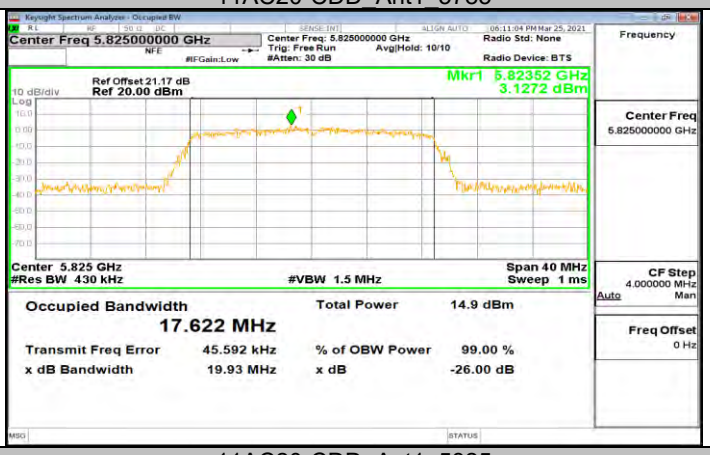

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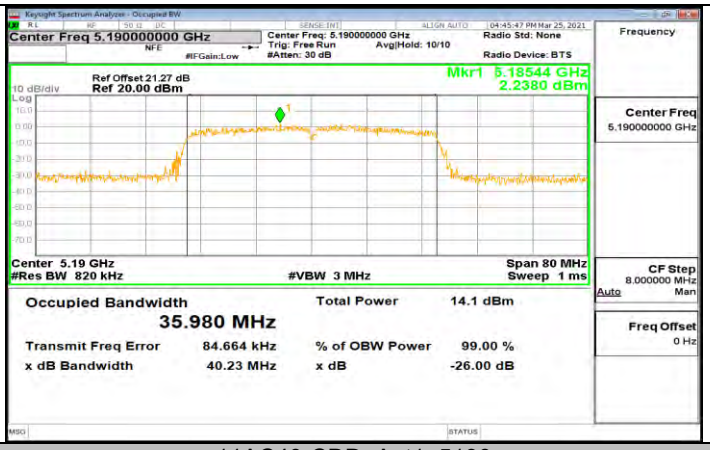

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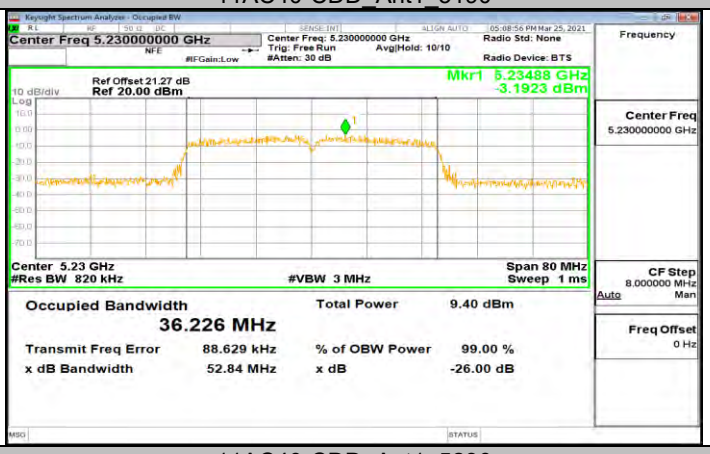

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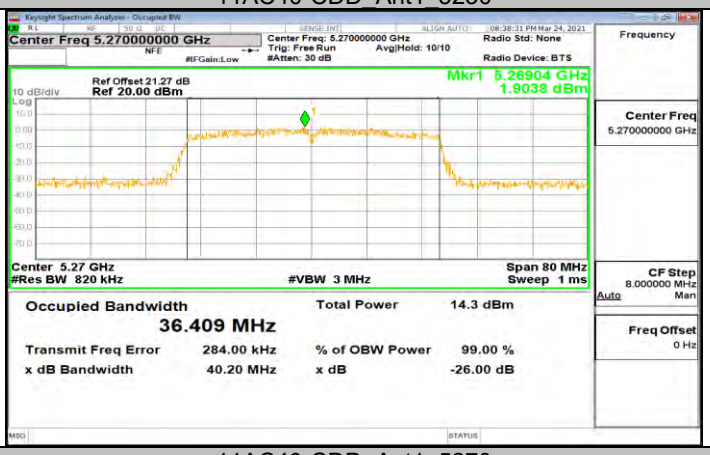

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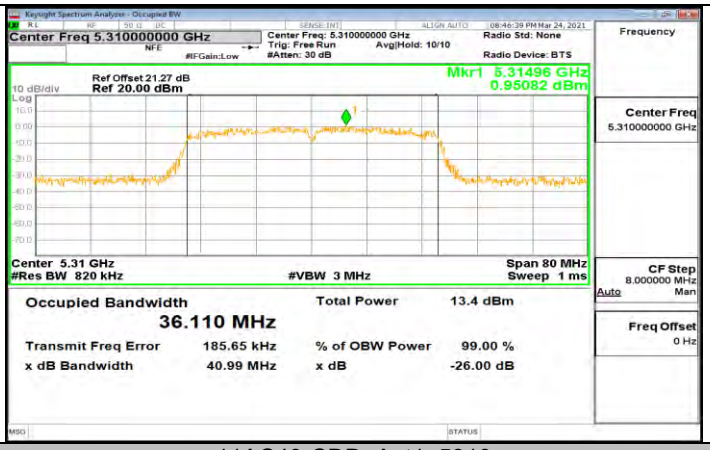

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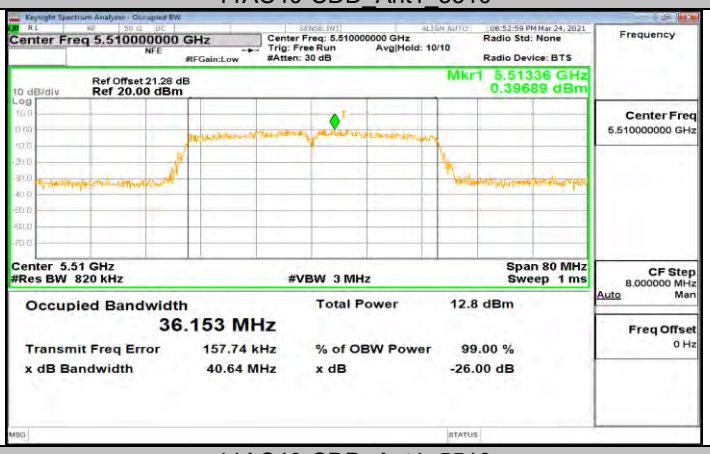

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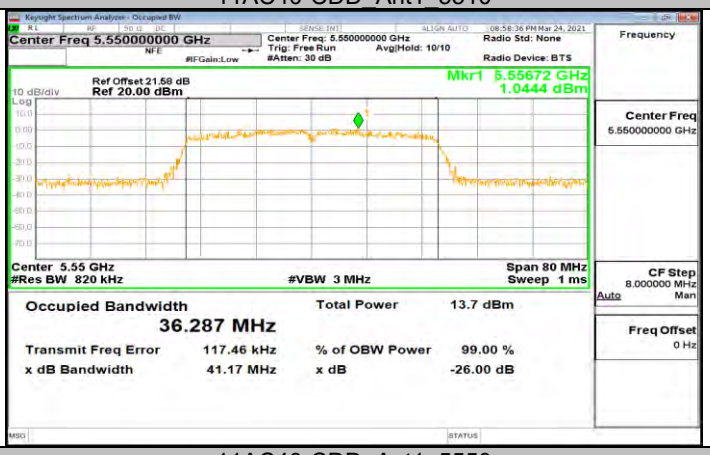

11AC40-CDD_Ant1_5550

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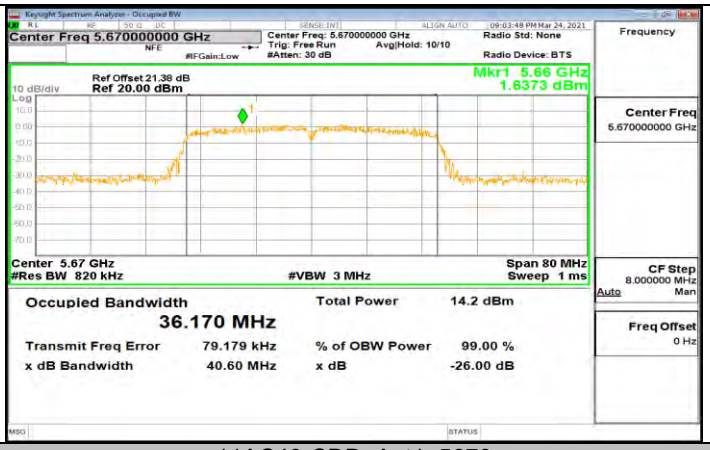
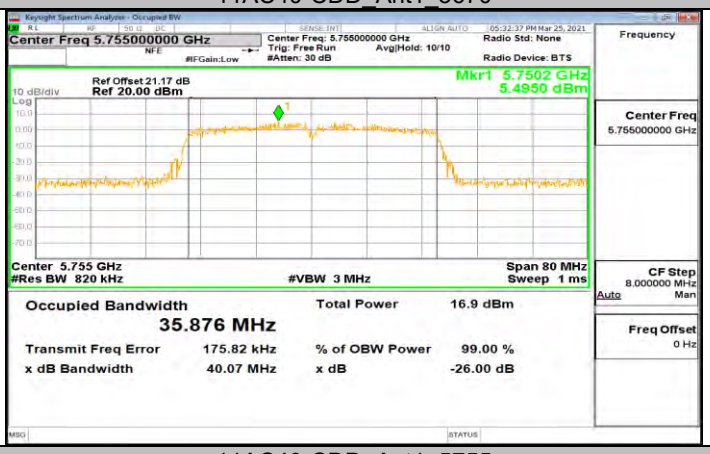
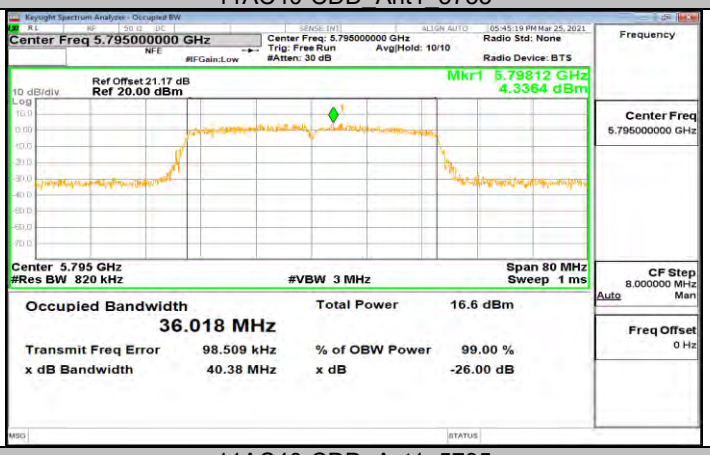


11AC40-CDD_Ant1_5670



11AC40-CDD_Ant1_5755



11AC40-CDD_Ant1_5795

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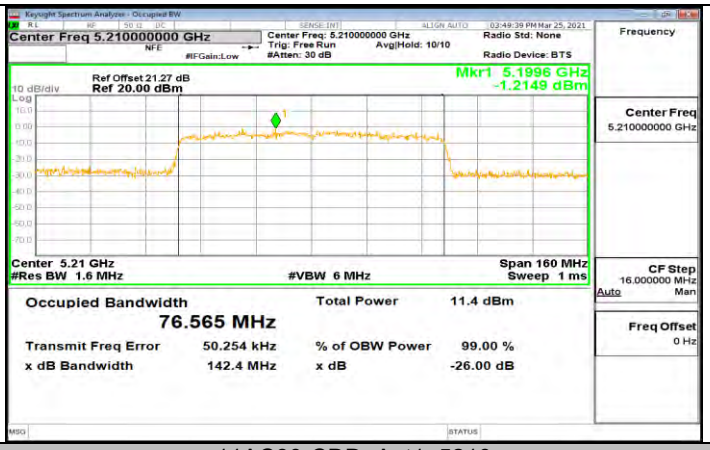
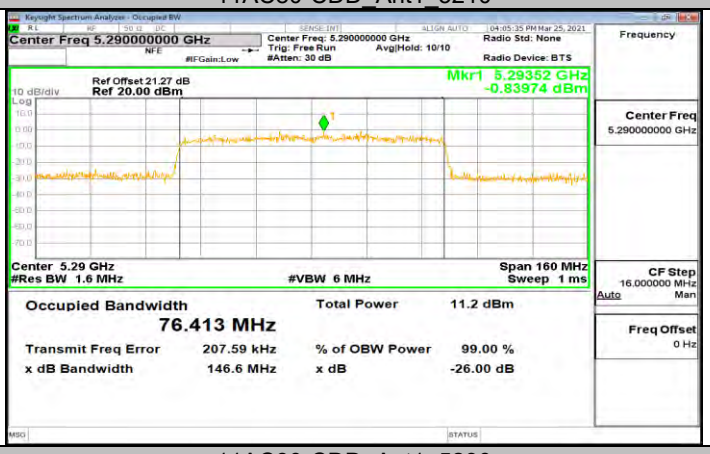
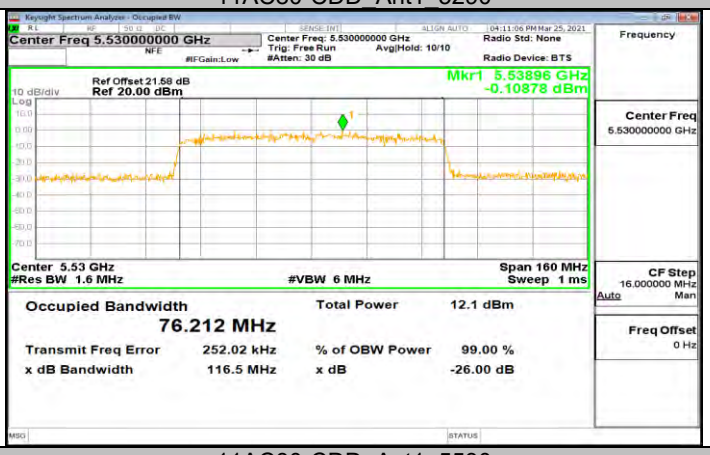


11AC80-CDD_Ant1_5210



11AC80-CDD_Ant1_5290



11AC80-CDD_Ant1_5530

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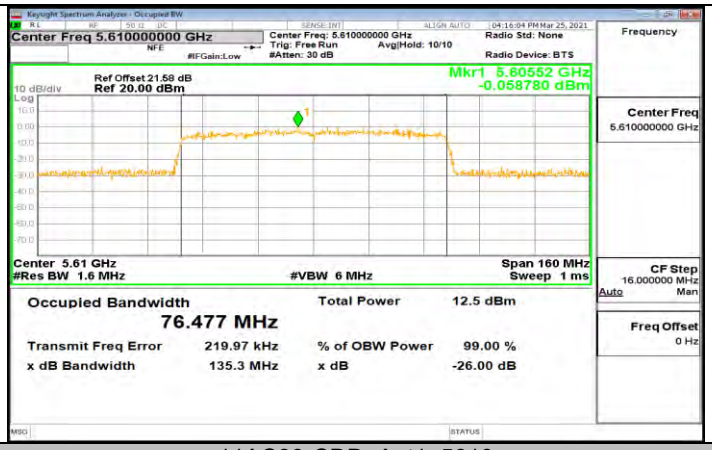
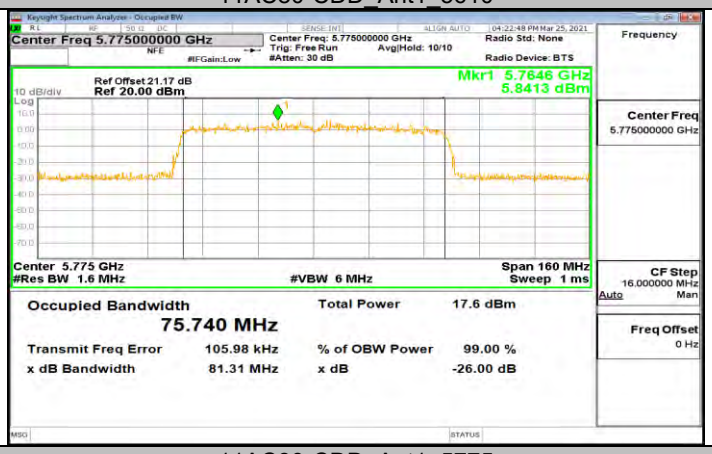


11AC80-CDD_Ant1_5610



11AC80-CDD_Ant1_5775

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Appendix A3: 6dB Emission bandwidth
Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	16.350	5736.8700	5753.220	0.5	PASS
		5785	16.350	5776.870	5793.220	0.5	PASS
		5825	15.480	5817.500	5832.980	0.5	PASS
11AC20-CDD	Ant1	5745	15.780	5736.870	5752.650	0.5	PASS
		5785	15.780	5776.870	5792.650	0.5	PASS
		5825	15.780	5816.870	5832.650	0.5	PASS
11AC40-CDD	Ant1	5755	35.160	5737.480	5772.640	0.5	PASS
		5795	35.220	5777.420	5812.640	0.5	PASS
11AC80-CDD	Ant1	5755	75.24	5737.440	5182.680	0.5	PASS

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

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Test Graphs

11A-CDD_Ant1_5745

11A-CDD_Ant1_5785

11A-CDD_Ant1_5825

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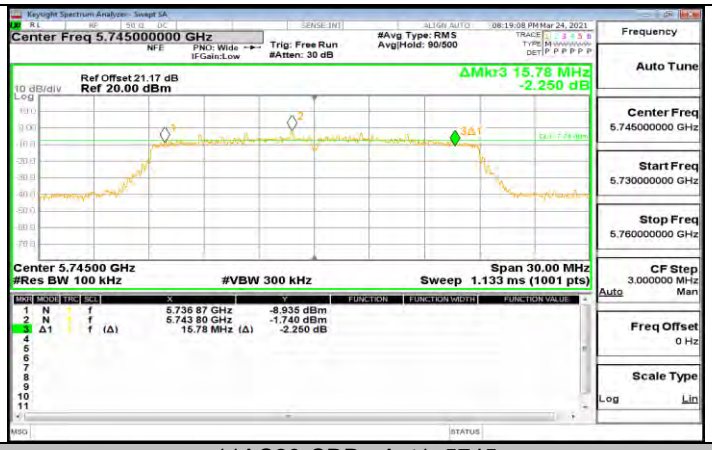

11AC20-CDD _Ant1_5745

11AC20-CDD _Ant1_5785

11AC20-CDD _Ant1_5825

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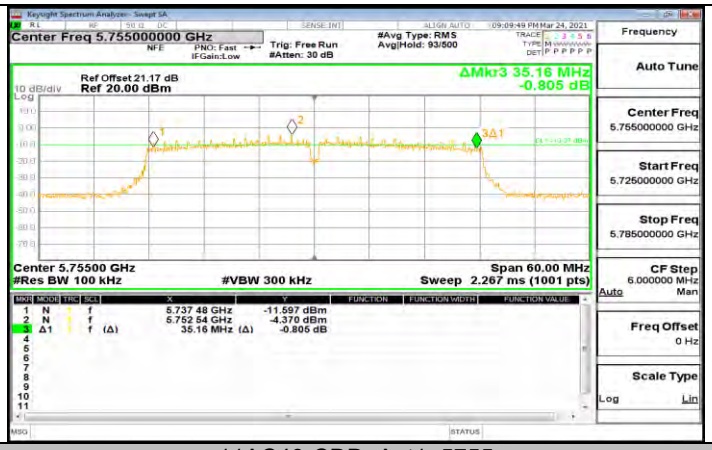
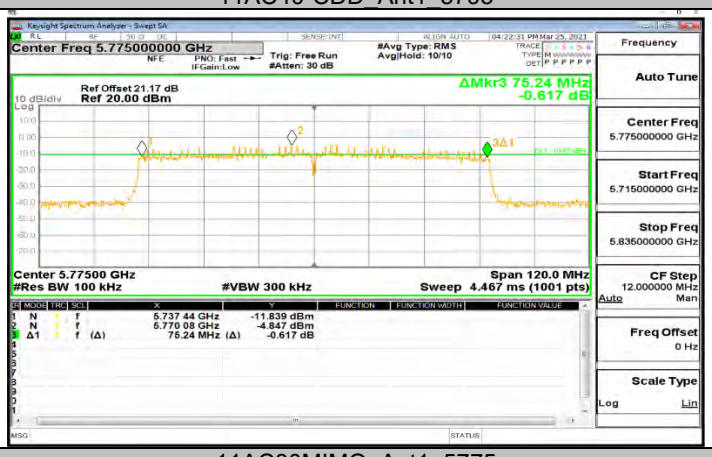


11AC40-CDD_Ant1_5755

11AC40-CDD_Ant1_5795



11AC80MIMO_Ant1_5775

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Appendix B: Maximum AVG conducted output power

Test Result

Test Mode	Antenna	Channel	Power [dBm]	FCC Limit [dBm]	EIRP [dBm]	Verdict
11A-CDD	Ant1	5180	2.58	<=30	7.88	PASS
	Ant2	5180	1.86	<=30	7.16	PASS
	Ant3	5180	3.80	<=30	9.10	PASS
	Ant4	5180	2.31	<=30	7.61	PASS
	total	5180	8.72	<=30	14.02	PASS
	Ant1	5200	2.61	<=30	7.91	PASS
	Ant2	5200	2.04	<=30	7.34	PASS
	Ant3	5200	3.66	<=30	8.96	PASS
	Ant4	5200	2.63	<=30	7.93	PASS
	total	5200	8.80	<=30	14.10	PASS
	Ant1	5240	2.59	<=30	7.89	PASS
	Ant2	5240	2.88	<=30	8.18	PASS
	Ant3	5240	3.11	<=30	8.41	PASS
	Ant4	5240	2.89	<=30	8.19	PASS
	total	5240	8.89	<=30	14.19	PASS
	Ant1	5260	7.43	<=24	12.73	PASS
	Ant2	5260	8.28	<=24	13.58	PASS
	Ant3	5260	8.66	<=24	13.96	PASS
	Ant4	5260	7.69	<=24	12.99	PASS
	total	5260	14.06	<=24	19.36	PASS
	Ant1	5280	8.07	<=24	13.37	PASS
	Ant2	5280	8.38	<=24	13.68	PASS
	Ant3	5280	7.88	<=24	13.18	PASS
	Ant4	5280	7.67	<=24	12.97	PASS
	total	5280	14.03	<=24	19.33	PASS
	Ant1	5320	7.15	<=24	12.45	PASS
	Ant2	5320	7.84	<=24	13.14	PASS
	Ant3	5320	7.22	<=24	12.52	PASS
	Ant4	5320	7.15	<=24	12.45	PASS
	total	5320	13.37	<=24	18.67	PASS
	Ant1	5500	8.59	<=24	13.89	PASS
	Ant2	5500	7.04	<=24	12.34	PASS
	Ant3	5500	8.02	<=24	13.32	PASS
	Ant4	5500	7.36	<=24	12.66	PASS
	total	5500	13.81	<=24	19.11	PASS
	Ant1	5580	8.10	<=24	13.40	PASS
	Ant2	5580	8.03	<=24	13.33	PASS
	Ant3	5580	9.05	<=24	14.35	PASS
	Ant4	5580	8.42	<=24	13.72	PASS
	total	5580	14.44	<=24	19.74	PASS
	Ant1	5700	9.16	<=24	14.46	PASS
	Ant2	5700	8.38	<=24	13.68	PASS
	Ant3	5700	8.45	<=24	13.75	PASS
	Ant4	5700	9.92	<=24	15.22	PASS
	total	5700	15.04	<=24	20.34	PASS
	Ant1	5745	11.81	<=30	13.97	PASS
	Ant2	5745	10.43	<=30	13.74	PASS
	Ant3	5745	9.85	<=30	13.43	PASS
	Ant4	5745	11.05	<=30	14.94	PASS
	total	5745	16.87	<=30	20.08	PASS
	Ant1	5785	11.16	<=30	14.79	PASS
	Ant2	5785	9.92	<=30	13.54	PASS
	Ant3	5785	9.61	<=30	13.52	PASS

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	Ant4	5785	10.71	<=30	15.13	PASS
	total	5785	16.41	<=30	20.33	PASS
	Ant1	5825	10.23	<=30	14.15	PASS
	Ant2	5825	9.63	<=30	12.78	PASS
	Ant3	5825	9.48	<=30	13.35	PASS
	Ant4	5825	10.76	<=30	14.29	PASS
	total	5825	16.08	<=30	19.71	PASS
11AC20-CDD	Ant1	5180	2.30	<=30	7.60	PASS
	Ant2	5180	2.36	<=30	7.66	PASS
	Ant3	5180	4.15	<=30	9.45	PASS
	Ant4	5180	2.76	<=30	8.06	PASS
	total	5180	8.98	<=30	14.28	PASS
	Ant1	5200	2.62	<=30	7.92	PASS
	Ant2	5200	2.08	<=30	7.38	PASS
	Ant3	5200	3.61	<=30	8.91	PASS
	Ant4	5200	2.72	<=30	8.02	PASS
	total	5200	8.81	<=30	14.11	PASS
	Ant1	5240	2.66	<=30	7.96	PASS
	Ant2	5240	2.74	<=30	8.04	PASS
	Ant3	5240	2.95	<=30	8.25	PASS
	Ant4	5240	2.75	<=30	8.05	PASS
	total	5240	8.80	<=30	14.10	PASS
	Ant1	5260	8.08	<=24	13.38	PASS
	Ant2	5260	8.03	<=24	13.33	PASS
	Ant3	5260	8.25	<=24	13.55	PASS
	Ant4	5260	8.00	<=24	13.30	PASS
	total	5260	14.11	<=24	19.41	PASS
	Ant1	5280	8.28	<=24	13.58	PASS
	Ant2	5280	8.65	<=24	13.95	PASS
	Ant3	5280	8.12	<=24	13.42	PASS
	Ant4	5280	7.80	<=24	13.10	PASS
	total	5280	14.24	<=24	19.54	PASS
	Ant1	5320	7.73	<=24	13.03	PASS
	Ant2	5320	8.11	<=24	13.41	PASS
	Ant3	5320	8.45	<=24	13.75	PASS
	Ant4	5320	7.25	<=24	12.55	PASS
	total	5320	13.93	<=24	19.23	PASS
	Ant1	5500	8.79	<=24	14.09	PASS
	Ant2	5500	7.41	<=24	12.71	PASS
	Ant3	5500	8.02	<=24	13.32	PASS
	Ant4	5500	8.01	<=24	13.31	PASS
	total	5500	14.11	<=24	19.41	PASS
	Ant1	5580	8.16	<=24	13.46	PASS
	Ant2	5580	8.36	<=24	13.66	PASS
	Ant3	5580	9.01	<=24	14.31	PASS
	Ant4	5580	8.52	<=24	13.82	PASS
	total	5580	14.54	<=24	19.84	PASS
	Ant1	5700	9.40	<=24	14.70	PASS
	Ant2	5700	8.75	<=24	14.05	PASS
	Ant3	5700	8.43	<=24	13.73	PASS
	Ant4	5700	9.82	<=24	15.12	PASS
	total	5700	15.15	<=24	20.45	PASS
	Ant1	5745	12.33	<=30	14.31	PASS
	Ant2	5745	10.73	<=30	14.42	PASS
	Ant3	5745	10.05	<=30	14.18	PASS
	Ant4	5745	11.23	<=30	15.55	PASS
	total	5745	17.19	<=30	20.67	PASS
	Ant1	5785	11.70	<=30	15.10	PASS
	Ant2	5785	10.44	<=30	14.06	PASS
	Ant3	5785	9.75	<=30	14.21	PASS
	Ant4	5785	10.78	<=30	15.53	PASS

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	total	5785	16.75	<=30	20.79	PASS
	Ant1	5825	10.77	<=30	14.42	PASS
	Ant2	5825	9.54	<=30	13.24	PASS
	Ant3	5825	9.45	<=30	13.94	PASS
	Ant4	5825	10.73	<=30	14.62	PASS
	total	5825	16.19	<=30	20.11	PASS
11AC40-CDD	Ant1	5190	4.43	<=30	9.73	PASS
	Ant2	5190	3.23	<=30	8.53	PASS
	Ant3	5190	4.73	<=30	10.03	PASS
	Ant4	5190	3.96	<=30	9.26	PASS
	total	5190	10.14	<=30	15.44	PASS
	Ant1	5230	4.42	<=30	9.72	PASS
	Ant2	5230	3.87	<=30	9.17	PASS
	Ant3	5230	4.33	<=30	9.63	PASS
	Ant4	5230	4.31	<=30	9.61	PASS
	total	5230	10.26	<=30	15.56	PASS
	Ant1	5270	8.50	<=24	13.80	PASS
	Ant2	5270	8.79	<=24	14.09	PASS
	Ant3	5270	8.29	<=24	13.59	PASS
	Ant4	5270	8.33	<=24	13.63	PASS
	total	5270	14.50	<=24	19.80	PASS
	Ant1	5310	7.81	<=24	13.11	PASS
	Ant2	5310	8.10	<=24	13.40	PASS
	Ant3	5310	7.69	<=24	12.99	PASS
	Ant4	5310	7.65	<=24	12.95	PASS
	total	5310	13.84	<=24	19.14	PASS
	Ant1	5510	8.81	<=24	14.11	PASS
	Ant2	5510	7.43	<=24	12.73	PASS
	Ant3	5510	8.45	<=24	13.75	PASS
	Ant4	5510	8.01	<=24	13.31	PASS
	total	5510	14.23	<=24	19.53	PASS
	Ant1	5550	8.40	<=24	13.70	PASS
	Ant2	5550	8.14	<=24	13.44	PASS
	Ant3	5550	9.10	<=24	14.40	PASS
	Ant4	5550	8.40	<=24	13.70	PASS
	total	5550	14.55	<=24	19.85	PASS
	Ant1	5670	9.42	<=24	14.72	PASS
	Ant2	5670	8.81	<=24	14.11	PASS
	Ant3	5670	9.05	<=24	14.35	PASS
	Ant4	5670	9.89	<=24	15.19	PASS
	total	5670	15.33	<=24	20.63	PASS
	Ant1	5755	11.54	<=30	14.96	PASS
	Ant2	5755	10.31	<=30	14.87	PASS
	Ant3	5755	9.87	<=30	14.78	PASS
	Ant4	5755	11.06	<=30	16.14	PASS
	total	5755	16.76	<=30	21.25	PASS
	Ant1	5795	11.31	<=30	15.76	PASS
	Ant2	5795	9.60	<=30	14.68	PASS
	Ant3	5795	9.70	<=30	14.72	PASS
	Ant4	5795	10.73	<=30	16.09	PASS
	total	5795	16.42	<=30	21.38	PASS
11AC80-CDD	Ant1	5210	4.86	<=30	10.16	PASS
	Ant2	5210	4.83	<=30	10.13	PASS
	Ant3	5210	5.80	<=30	11.10	PASS
	Ant4	5210	5.46	<=30	10.76	PASS
	total	5210	11.28	<=30	16.58	PASS
	Ant1	5290	5.08	<=24	10.38	PASS
	Ant2	5290	5.56	<=24	10.86	PASS
	Ant3	5290	6.00	<=24	11.30	PASS
	Ant4	5290	6.10	<=24	11.40	PASS
	total	5290	11.72	<=24	17.02	PASS

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	Ant1	5530	5.84	<=24	11.14	PASS
	Ant2	5530	5.71	<=24	11.01	PASS
	Ant3	5530	6.56	<=24	11.86	PASS
	Ant4	5530	6.10	<=24	11.40	PASS
	total	5530	12.09	<=24	17.39	PASS
	Ant1	5610	5.98	<=24	11.28	PASS
	Ant2	5610	6.29	<=24	11.59	PASS
	Ant3	5610	7.83	<=24	13.13	PASS
	Ant4	5610	7.13	<=24	12.43	PASS
	total	5610	12.89	<=24	18.19	PASS
	Ant1	5775	11.22	<=30	15.83	PASS
	Ant2	5775	10.43	<=30	15.09	PASS
	Ant3	5775	10.70	<=30	15.32	PASS
	Ant4	5775	11.49	<=30	16.46	PASS
	total	5775	17.00	<=30	21.73	PASS

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

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Appendix C: Maximum power spectral density
Test Result

Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A-CDD	Ant1	5180	-7.72	11.68	PASS
	Ant2	5180	-8.63	11.68	PASS
	Ant3	5180	-6.70	11.68	PASS
	Ant4	5180	-7.87	11.68	PASS
	total	5180	-1.65	11.68	PASS
	Ant1	5200	-7.92	11.68	PASS
	Ant2	5200	-8.37	11.68	PASS
	Ant3	5200	-6.57	11.68	PASS
	Ant4	5200	-7.77	11.68	PASS
	total	5200	-1.58	11.68	PASS
	Ant1	5240	-7.82	11.68	PASS
	Ant2	5240	-7.17	11.68	PASS
	Ant3	5240	-6.90	11.68	PASS
	Ant4	5240	-7.58	11.68	PASS
	total	5240	-1.33	11.68	PASS
	Ant1	5260	-1.39	5.68	PASS
	Ant2	5260	-2.06	5.68	PASS
	Ant3	5260	-0.98	5.68	PASS
	Ant4	5260	-1.36	5.68	PASS
	total	5260	4.59	5.68	PASS
	Ant1	5280	-1.59	5.68	PASS
	Ant2	5280	-2.00	5.68	PASS
	Ant3	5280	-1.51	5.68	PASS
	Ant4	5280	-1.55	5.68	PASS
	total	5280	4.36	5.68	PASS
	Ant1	5320	-2.24	5.68	PASS
	Ant2	5320	-2.99	5.68	PASS
	Ant3	5320	-2.63	5.68	PASS
	Ant4	5320	-2.23	5.68	PASS
	total	5320	3.51	5.68	PASS
	Ant1	5500	-2.73	5.68	PASS
	Ant2	5500	-2.01	5.68	PASS
	Ant3	5500	-1.67	5.68	PASS
	Ant4	5500	-1.82	5.68	PASS
	total	5500	3.98	5.68	PASS
	Ant1	5580	-1.62	5.68	PASS
	Ant2	5580	-2.09	5.68	PASS
	Ant3	5580	-0.18	5.68	PASS
	Ant4	5580	-0.64	5.68	PASS
	total	5580	4.95	5.68	PASS
	Ant1	5700	-1.66	5.68	PASS
	Ant2	5700	-0.73	5.68	PASS
	Ant3	5700	-1.78	5.68	PASS
	Ant4	5700	0.12	5.68	PASS
	total	5700	1.84	5.68	PASS
	Ant1	5745	-1.37	24.68	PASS
	Ant2	5745	-2.58	24.68	PASS
	Ant3	5745	-3.52	24.68	PASS
	Ant4	5745	-2.33	24.68	PASS
	total	5745	3.64	24.68	PASS
	Ant1	5785	-2.23	24.68	PASS
	Ant2	5785	-3.57	24.68	PASS
	Ant3	5785	-4.21	24.68	PASS

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	Ant4	5785	-2.7	24.68	PASS
	total	5785	2.91	24.68	PASS
	Ant1	5825	-2.99	24.68	PASS
	Ant2	5825	-3.51	24.68	PASS
	Ant3	5825	-4.05	24.68	PASS
	Ant4	5825	-2.55	24.68	PASS
	total	5825	2.78	24.68	PASS
11AC20-CDD	Ant1	5180	-8.21	11.68	PASS
	Ant2	5180	-8.12	11.68	PASS
	Ant3	5180	-6.07	11.68	PASS
	Ant4	5180	-7.54	11.68	PASS
	total	5180	-1.38	11.68	PASS
	Ant1	5200	-7.69	11.68	PASS
	Ant2	5200	-8.14	11.68	PASS
	Ant3	5200	-6.53	11.68	PASS
	Ant4	5200	-7.97	11.68	PASS
	total	5200	-1.51	11.68	PASS
	Ant1	5240	-7.99	11.68	PASS
	Ant2	5240	-7.39	11.68	PASS
	Ant3	5240	-7.32	11.68	PASS
	Ant4	5240	-7.44	11.68	PASS
	total	5240	-1.51	11.68	PASS
	Ant1	5260	-2.02	5.68	PASS
	Ant2	5260	-2.56	5.68	PASS
	Ant3	5260	-1.62	5.68	PASS
	Ant4	5260	-1.82	5.68	PASS
	total	5260	4.03	5.68	PASS
	Ant1	5280	-1.55	5.68	PASS
	Ant2	5280	-2.56	5.68	PASS
	Ant3	5280	-1.59	5.68	PASS
	Ant4	5280	-1.99	5.68	PASS
	total	5280	4.12	5.68	PASS
	Ant1	5320	-2.47	5.68	PASS
	Ant2	5320	-2.75	5.68	PASS
	Ant3	5320	-2.58	5.68	PASS
	Ant4	5320	-2.77	5.68	PASS
	total	5320	3.38	5.68	PASS
	Ant1	5500	-3.29	5.68	PASS
	Ant2	5500	-1.84	5.68	PASS
	Ant3	5500	-1.28	5.68	PASS
	Ant4	5500	-1.86	5.68	PASS
	total	5500	2.71	5.68	PASS
	Ant1	5580	-2.20	5.68	PASS
	Ant2	5580	-2.13	5.68	PASS
	Ant3	5580	-0.22	5.68	PASS
	Ant4	5580	-0.89	5.68	PASS
	total	5580	4.74	5.68	PASS
	Ant1	5700	-1.20	5.68	PASS
	Ant2	5700	-2.61	5.68	PASS
	Ant3	5700	-1.22	5.68	PASS
	Ant4	5700	-0.04	5.68	PASS
	total	5700	4.85	5.68	PASS
	Ant1	5745	-1.67	24.68	PASS
	Ant2	5745	-2.71	24.68	PASS
	Ant3	5745	-3.46	24.68	PASS
	Ant4	5745	-1.9	24.68	PASS
	total	5745	3.64	24.68	PASS
	Ant1	5785	-1.98	24.68	PASS
	Ant2	5785	-3.62	24.68	PASS
	Ant3	5785	-3.72	24.68	PASS
	Ant4	5785	-2.15	24.68	PASS

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	total	5785	3.23	24.68	PASS
	Ant1	5825	-2.54	24.68	PASS
	Ant2	5825	-3.55	24.68	PASS
	Ant3	5825	-3.61	24.68	PASS
	Ant4	5825	-2.16	24.68	PASS
	total	5825	3.10	24.68	PASS
11AC40-CDD	Ant1	5190	-8.53	11.68	PASS
	Ant2	5190	-9.33	11.68	PASS
	Ant3	5190	-7.12	11.68	PASS
	Ant4	5190	-8.49	11.68	PASS
	total	5190	-2.27	11.68	PASS
	Ant1	5230	-8.88	11.68	PASS
	Ant2	5230	-8.73	11.68	PASS
	Ant3	5230	-7.61	11.68	PASS
	Ant4	5230	-8.61	11.68	PASS
	total	5230	-2.41	11.68	PASS
	Ant1	5270	-4.18	5.68	PASS
	Ant2	5270	-4.84	5.68	PASS
	Ant3	5270	-3.79	5.68	PASS
	Ant4	5270	-4.57	5.68	PASS
	total	5270	1.69	5.68	PASS
	Ant1	5310	-4.77	5.68	PASS
	Ant2	5310	-5.52	5.68	PASS
	Ant3	5310	-4.33	5.68	PASS
	Ant4	5310	-5.15	5.68	PASS
	total	5310	1.10	5.68	PASS
	Ant1	5510	-5.49	5.68	PASS
	Ant2	5510	-4.19	5.68	PASS
	Ant3	5510	-3.58	5.68	PASS
	Ant4	5510	-4.55	5.68	PASS
	total	5510	1.62	5.68	PASS
	Ant1	5550	-4.16	5.68	PASS
	Ant2	5550	-4.10	5.68	PASS
	Ant3	5550	-2.33	5.68	PASS
	Ant4	5550	-3.24	5.68	PASS
	total	5550	2.63	5.68	PASS
	Ant1	5670	-3.77	5.68	PASS
	Ant2	5670	-3.44	5.68	PASS
	Ant3	5670	-3.40	5.68	PASS
	Ant4	5670	-2.82	5.68	PASS
	total	5670	2.68	5.68	PASS
	Ant1	5755	-3.80	24.68	PASS
	Ant2	5755	-5.21	24.68	PASS
	Ant3	5755	-5.81	24.68	PASS
	Ant4	5755	-4.23	24.68	PASS
	total	5755	1.33	24.68	PASS
	Ant1	5795	-4.39	24.68	PASS
	Ant2	5795	-6.19	24.68	PASS
	Ant3	5795	-6.20	24.68	PASS
	Ant4	5795	-4.53	24.68	PASS
	total	5795	0.78	24.68	PASS
11AC80-CDD	Ant1	5210	-10.82	11.68	PASS
	Ant2	5210	-11.32	11.68	PASS
	Ant3	5210	-10.29	11.68	PASS
	Ant4	5210	-11.10	11.68	PASS
	total	5210	-4.84	11.68	PASS
	Ant1	5290	-10.73	5.68	PASS
	Ant2	5290	-10.07	5.68	PASS
	Ant3	5290	-9.69	5.68	PASS
	Ant4	5290	-9.84	5.68	PASS
	total	5290	-4.04	5.68	PASS

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	Ant1	5530	-9.92	5.68	PASS
	Ant2	5530	-9.68	5.68	PASS
	Ant3	5530	-9.03	5.68	PASS
	Ant4	5530	-9.44	5.68	PASS
	total	5530	-3.48	5.68	PASS
	Ant1	5610	-8.55	5.68	PASS
	Ant2	5610	-8.73	5.68	PASS
	Ant3	5610	-8.10	5.68	PASS
	Ant4	5610	-8.47	5.68	PASS
	total	5610	-2.44	5.68	PASS
	Ant1	5775	-6.93	24.68	PASS
	Ant2	5775	-8.46	24.68	PASS
	Ant3	5775	-8.81	24.68	PASS
	Ant4	5775	-7.18	24.68	PASS
	total	5775	-1.75	24.68	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.

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Test Graphs

11A-CDD_Ant1_5180

11A-CDD_Ant2_5180

11A-CDD_Ant3_5180

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11A-CDD_Ant4_5180

11A-CDD_Ant1_5200

11A-CDD_Ant2_5200

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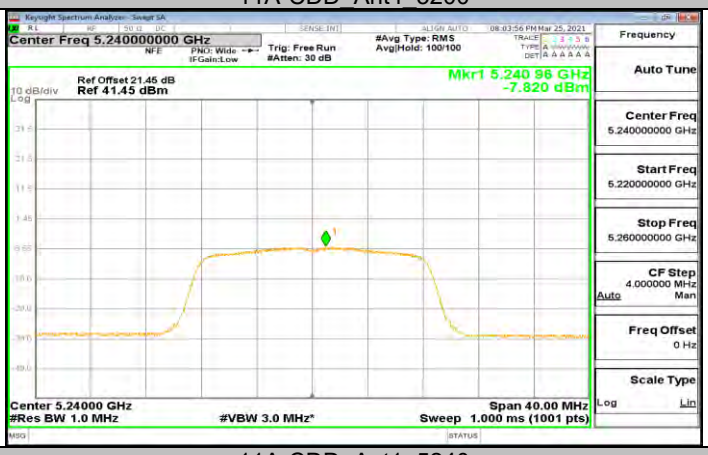
11A-CDD_Ant3_5200

11A-CDD_Ant4_5200



11A-CDD_Ant1_5240

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