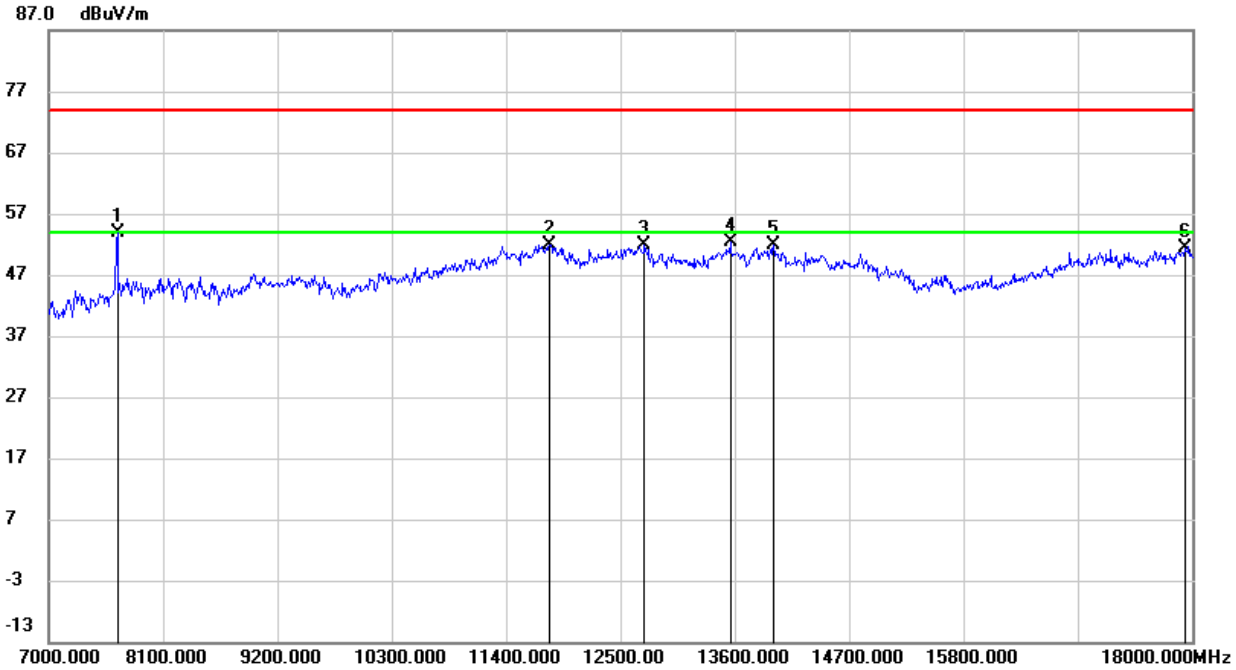
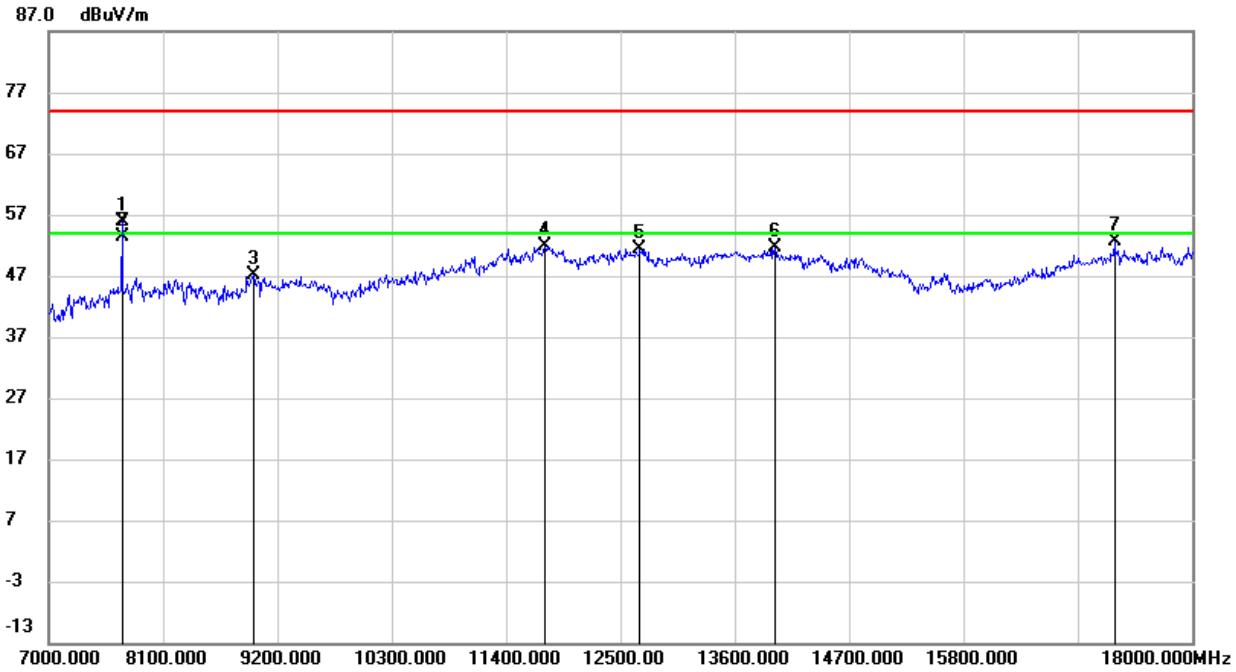
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7660.000	46.73	7.04	53.77	74.00	-20.23	peak
2	11818.000	34.69	17.31	52.00	74.00	-22.00	peak
3	12731.000	34.86	16.93	51.79	74.00	-22.21	peak
4	13561.500	33.97	18.39	52.36	74.00	-21.64	peak
5	13979.500	33.21	18.57	51.78	74.00	-22.22	peak
6	17939.500	28.28	23.22	51.50	74.00	-22.50	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.

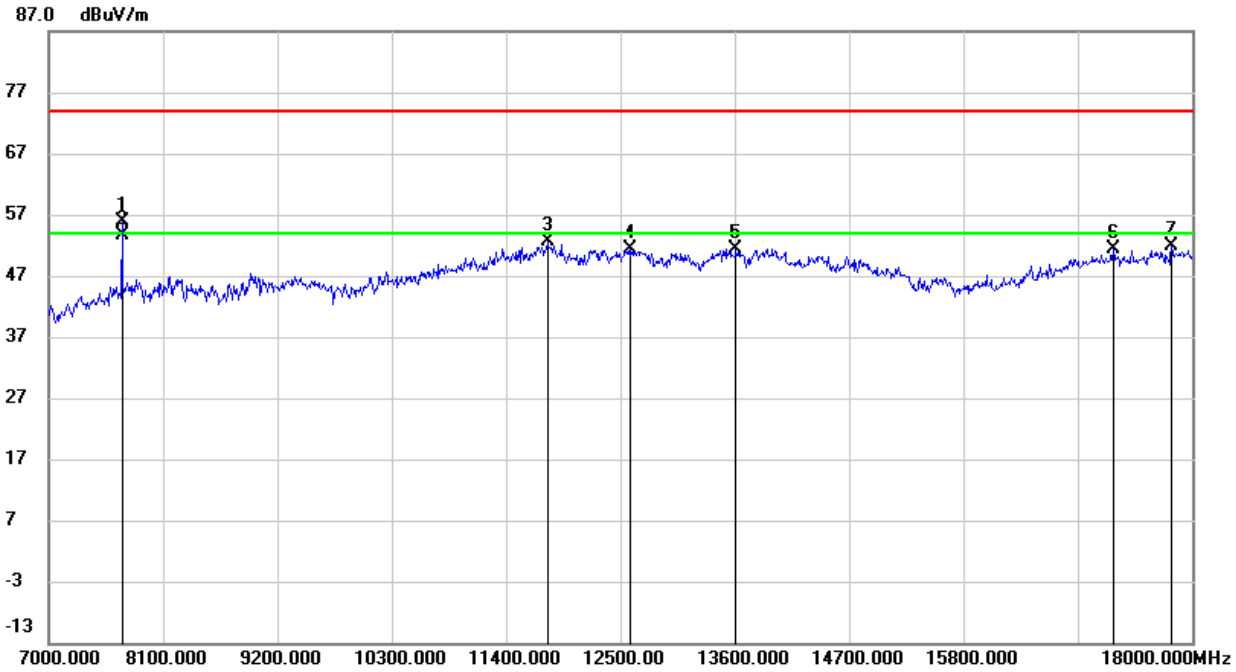
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7709.500	48.65	7.25	55.90	74.00	-18.10	peak
2	7709.500	46.19	7.25	53.44	54.00	-0.56	AVG
3	8969.000	37.27	9.79	47.06	74.00	-26.94	peak
4	11779.500	34.72	17.24	51.96	74.00	-22.04	peak
5	12692.500	34.66	16.83	51.49	74.00	-22.51	peak
6	13985.000	33.00	18.57	51.57	74.00	-22.43	peak
7	17252.000	32.85	19.78	52.63	74.00	-21.37	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.

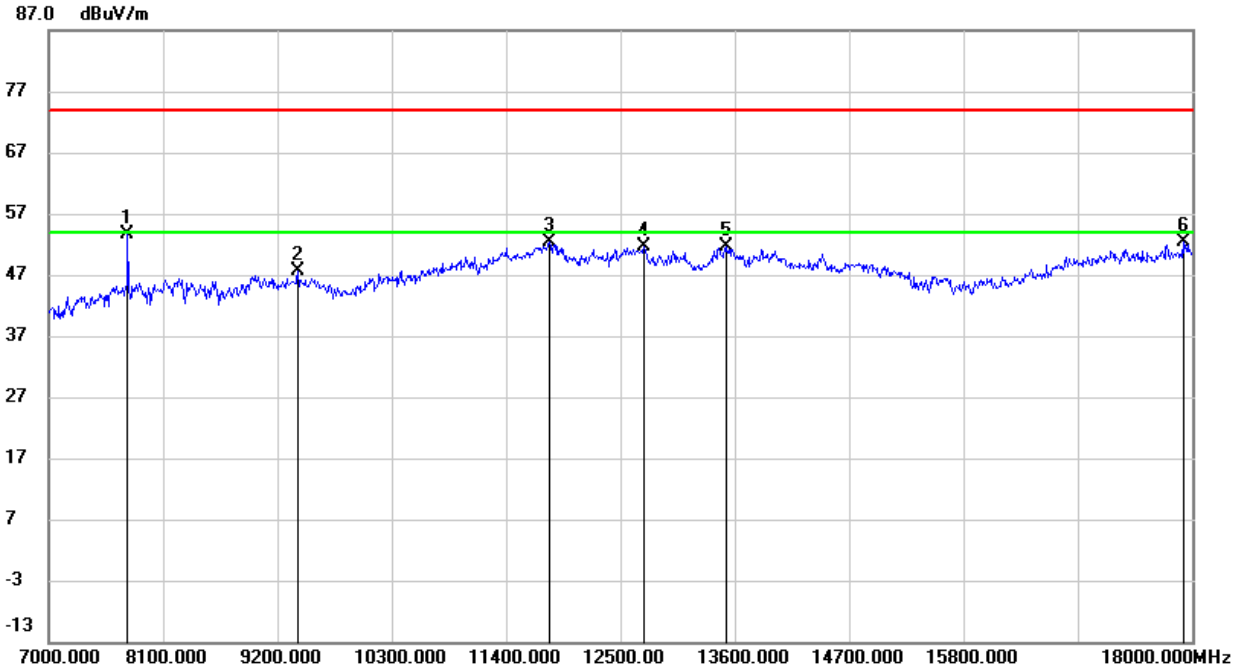
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7709.500	48.55	7.25	55.80	74.00	-18.20	peak
2	7709.500	46.45	7.25	53.70	54.00	-0.30	AVG
3	11801.500	35.25	17.35	52.60	74.00	-21.40	peak
4	12604.500	34.73	16.65	51.38	74.00	-22.62	peak
5	13616.500	32.97	18.40	51.37	74.00	-22.63	peak
6	17241.000	31.64	19.75	51.39	74.00	-22.61	peak
7	17807.500	28.96	22.87	51.83	74.00	-22.17	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. 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.

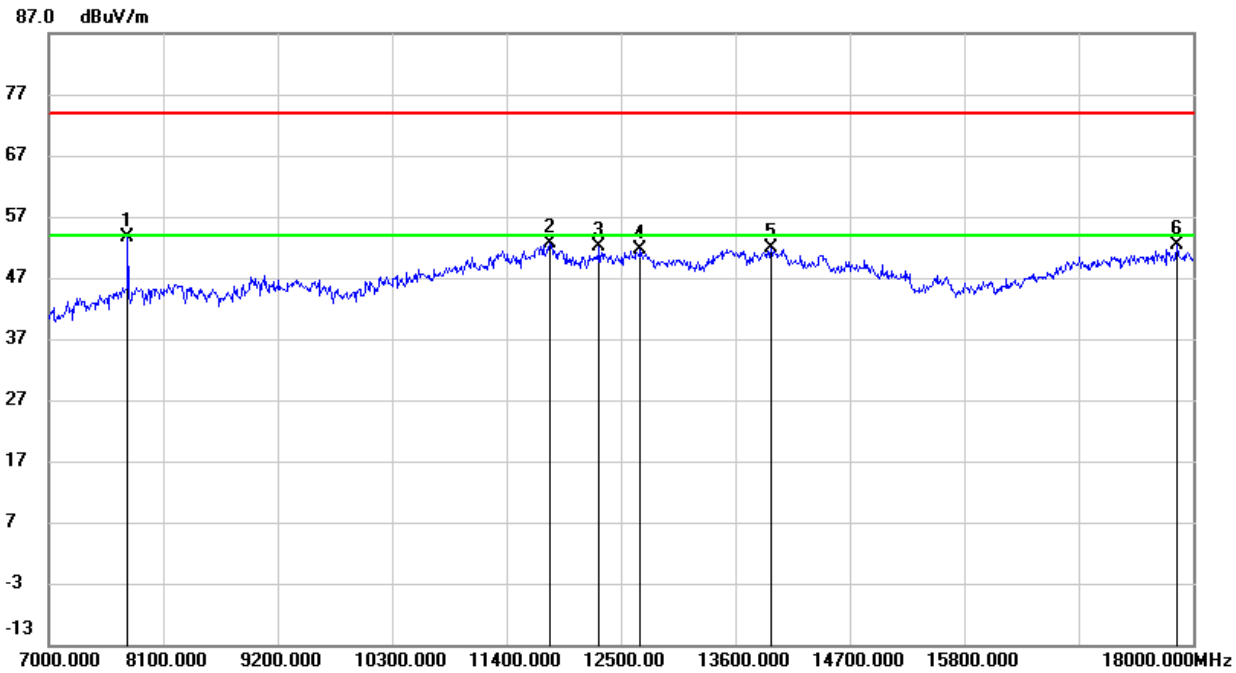
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7764.500	46.06	7.46	53.52	74.00	-20.48	peak
2	9398.000	37.51	10.12	47.63	74.00	-26.37	peak
3	11823.500	35.14	17.32	52.46	74.00	-21.54	peak
4	12725.500	34.82	16.91	51.73	74.00	-22.27	peak
5	13512.000	33.26	18.41	51.67	74.00	-22.33	peak
6	17912.000	29.17	23.14	52.31	74.00	-21.69	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.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)



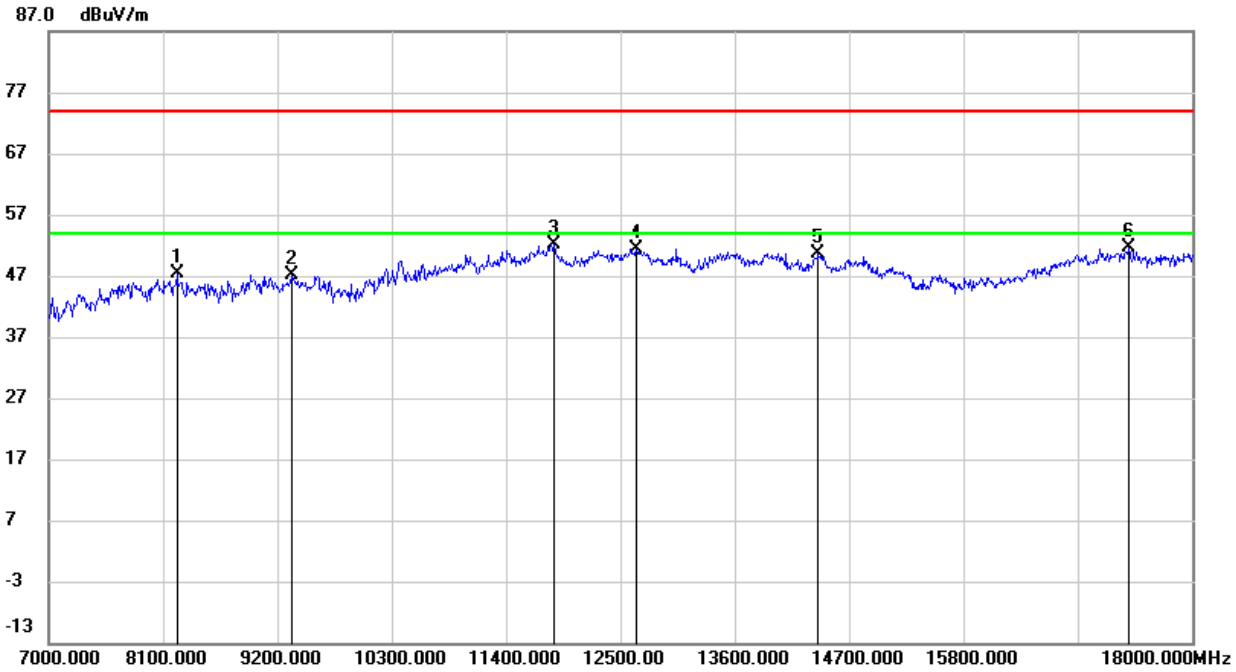
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7764.500	46.17	7.46	53.63	74.00	-20.37	peak
2	11818.000	35.36	17.31	52.67	74.00	-21.33	peak
3	12296.500	35.26	16.76	52.02	74.00	-21.98	peak
4	12692.500	34.68	16.83	51.51	74.00	-22.49	peak
5	13946.500	33.15	18.61	51.76	74.00	-22.24	peak
6	17846.000	29.39	22.98	52.37	74.00	-21.63	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.

8.3.3. 802.11n HT40 SISO MODE

UNII-1 BAND

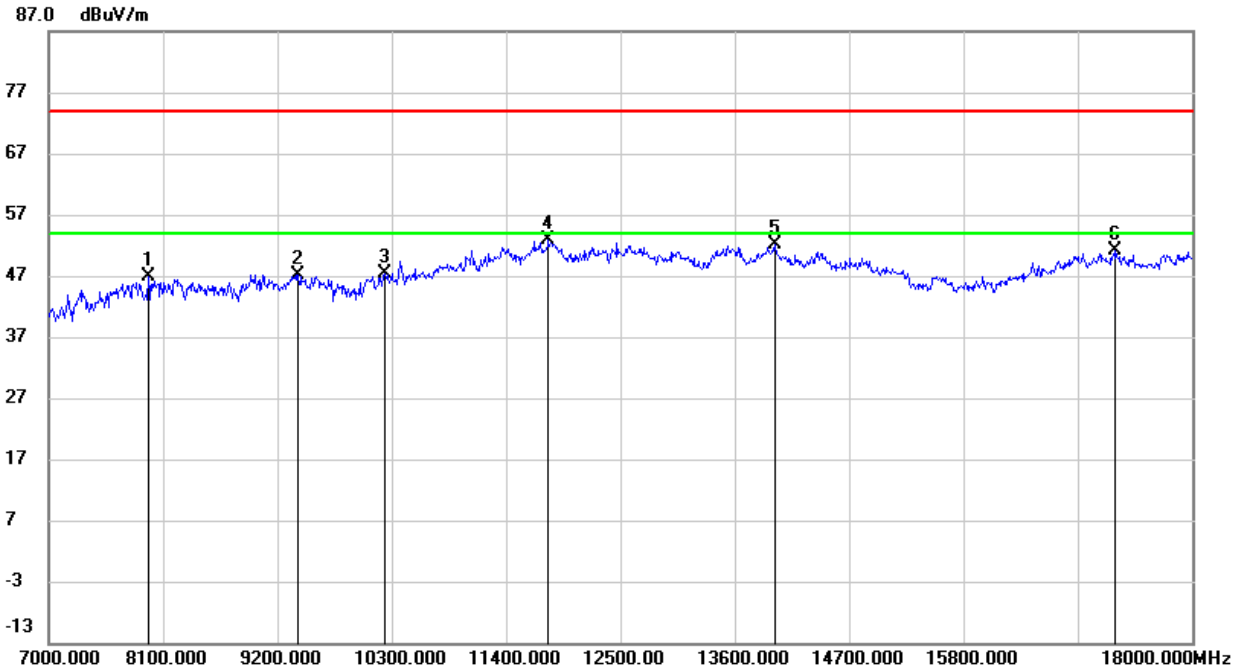
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8232.000	38.76	8.59	47.35	74.00	-26.65	peak
2	9343.000	37.36	9.80	47.16	74.00	-26.84	peak
3	11862.000	34.89	17.25	52.14	74.00	-21.86	peak
4	12654.000	34.60	16.74	51.34	74.00	-22.66	peak
5	14403.000	33.24	17.42	50.66	74.00	-23.34	peak
6	17395.000	31.84	19.83	51.67	74.00	-22.33	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.

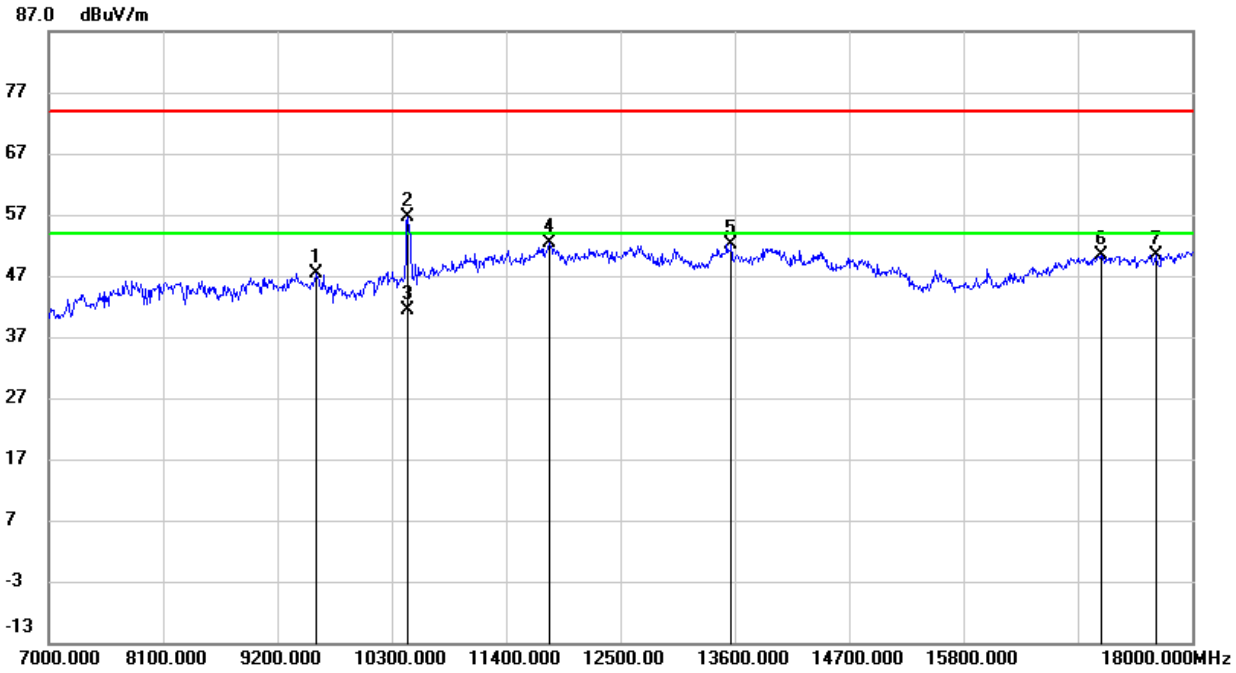
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7957.000	39.64	7.18	46.82	74.00	-27.18	peak
2	9398.000	37.06	10.12	47.18	74.00	-26.82	peak
3	10234.000	36.05	11.42	47.47	74.00	-26.53	peak
4	11807.000	35.42	17.35	52.77	74.00	-21.23	peak
5	13985.000	33.58	18.57	52.15	74.00	-21.85	peak
6	17263.000	31.29	19.78	51.07	74.00	-22.93	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.

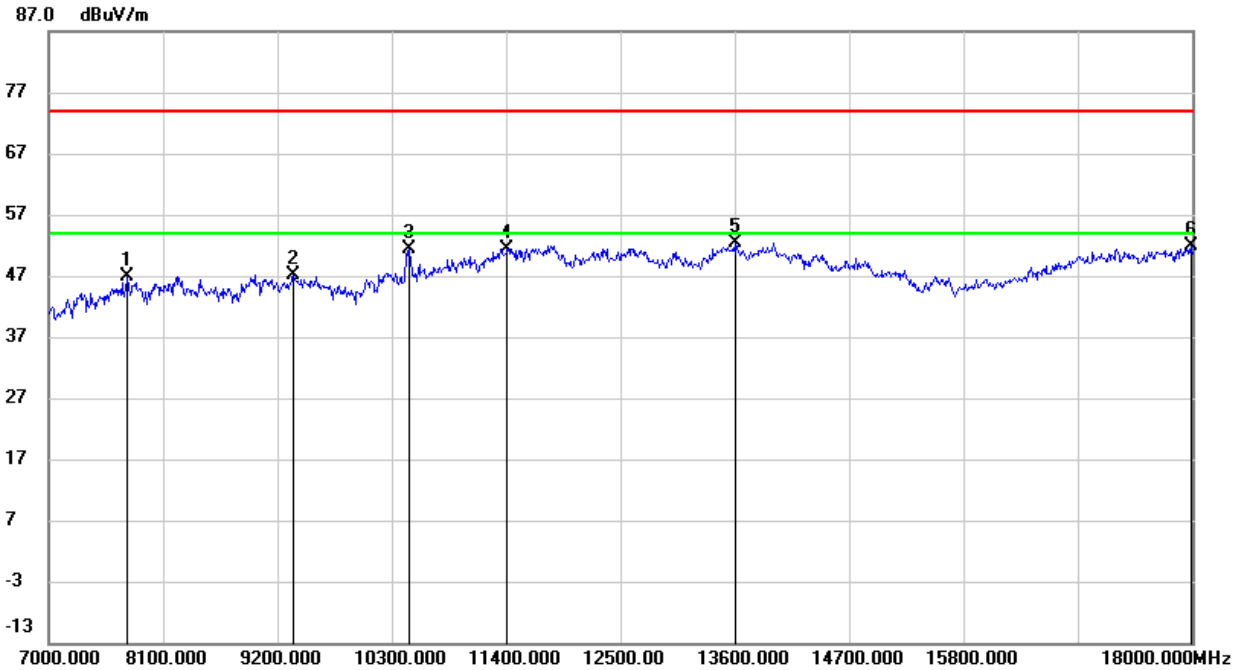
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9574.000	36.83	10.46	47.29	74.00	-26.71	peak
2	10454.000	44.32	12.24	56.56	74.00	-17.44	peak
3	10454.000	29.08	12.24	41.32	54.00	-12.68	AVG
4	11818.000	35.11	17.31	52.42	74.00	-21.58	peak
5	13567.000	33.81	18.38	52.19	74.00	-21.81	peak
6	17120.000	31.14	19.26	50.40	74.00	-23.60	peak
7	17659.000	29.09	21.37	50.46	74.00	-23.54	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)

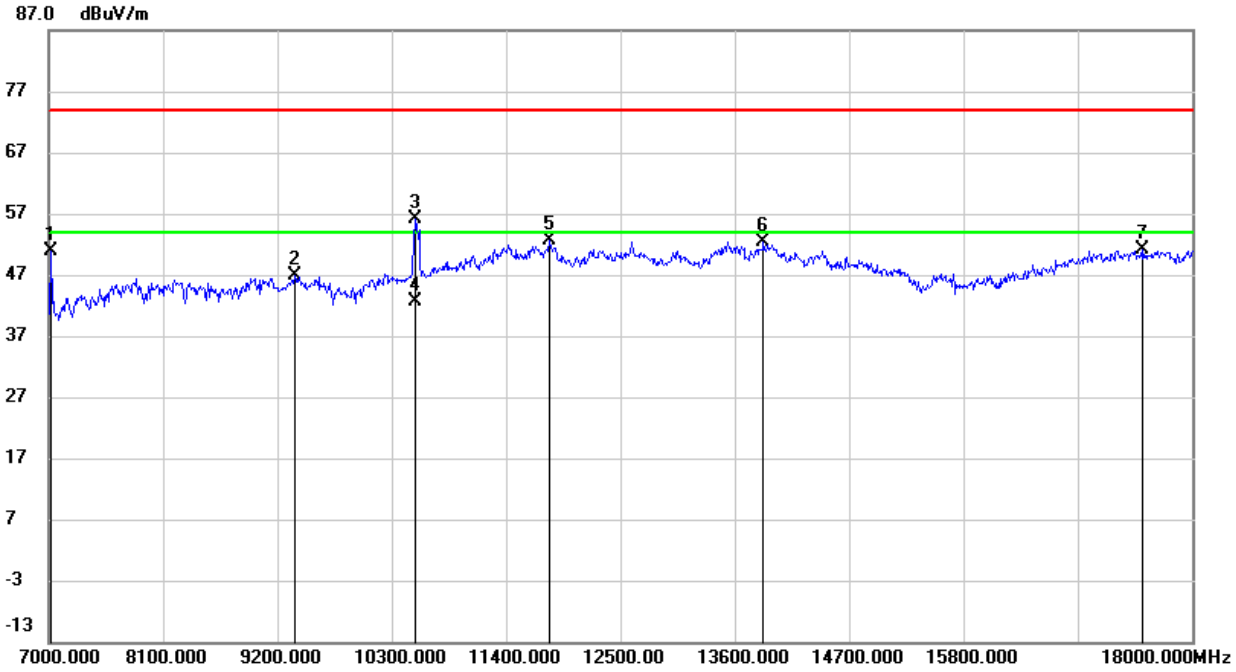


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7759.000	39.44	7.45	46.89	74.00	-27.11	peak
2	9354.000	37.27	9.86	47.13	74.00	-26.87	peak
3	10465.000	39.13	12.29	51.42	74.00	-22.58	peak
4	11411.000	35.60	15.87	51.47	74.00	-22.53	peak
5	13611.000	34.00	18.39	52.39	74.00	-21.61	peak
6	17989.000	28.63	23.34	51.97	74.00	-22.03	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.

UNII-2A BAND

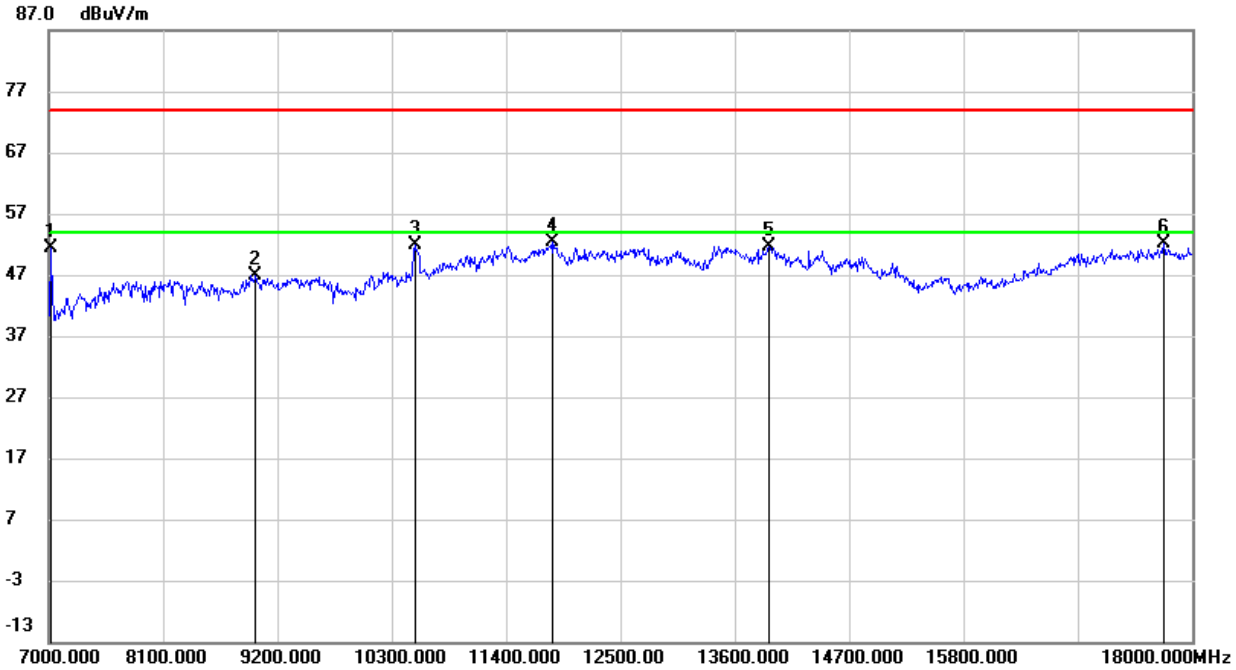
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7022.000	45.69	5.24	50.93	74.00	-23.07	peak
2	9365.000	37.03	9.92	46.95	74.00	-27.05	peak
3	10520.000	43.63	12.56	56.19	74.00	-17.81	peak
4	10520.000	30.09	12.56	42.65	54.00	-11.35	AVG
5	11818.000	35.21	17.31	52.52	74.00	-21.48	peak
6	13875.000	33.64	18.69	52.33	74.00	-21.67	peak
7	17527.000	30.74	20.30	51.04	74.00	-22.96	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.

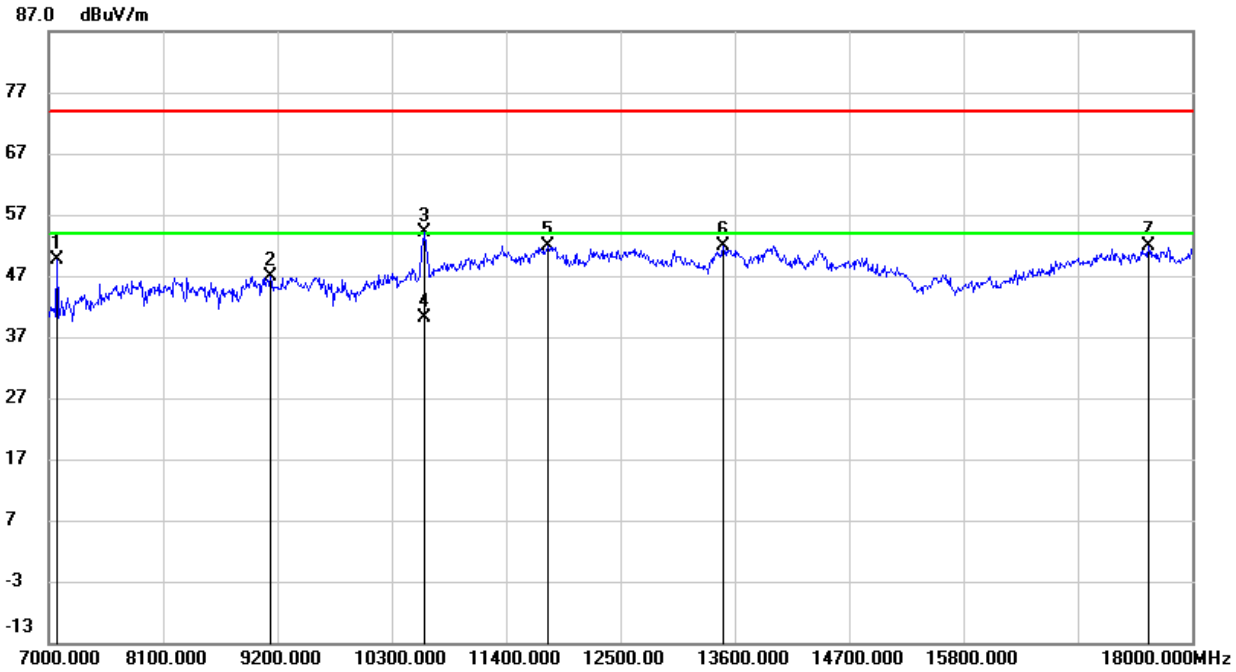
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7022.000	46.17	5.24	51.41	74.00	-22.59	peak
2	8991.000	36.85	10.03	46.88	74.00	-27.12	peak
3	10520.000	39.39	12.56	51.95	74.00	-22.05	peak
4	11840.000	35.02	17.29	52.31	74.00	-21.69	peak
5	13930.000	33.08	18.63	51.71	74.00	-22.29	peak
6	17725.000	29.99	22.06	52.05	74.00	-21.95	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.

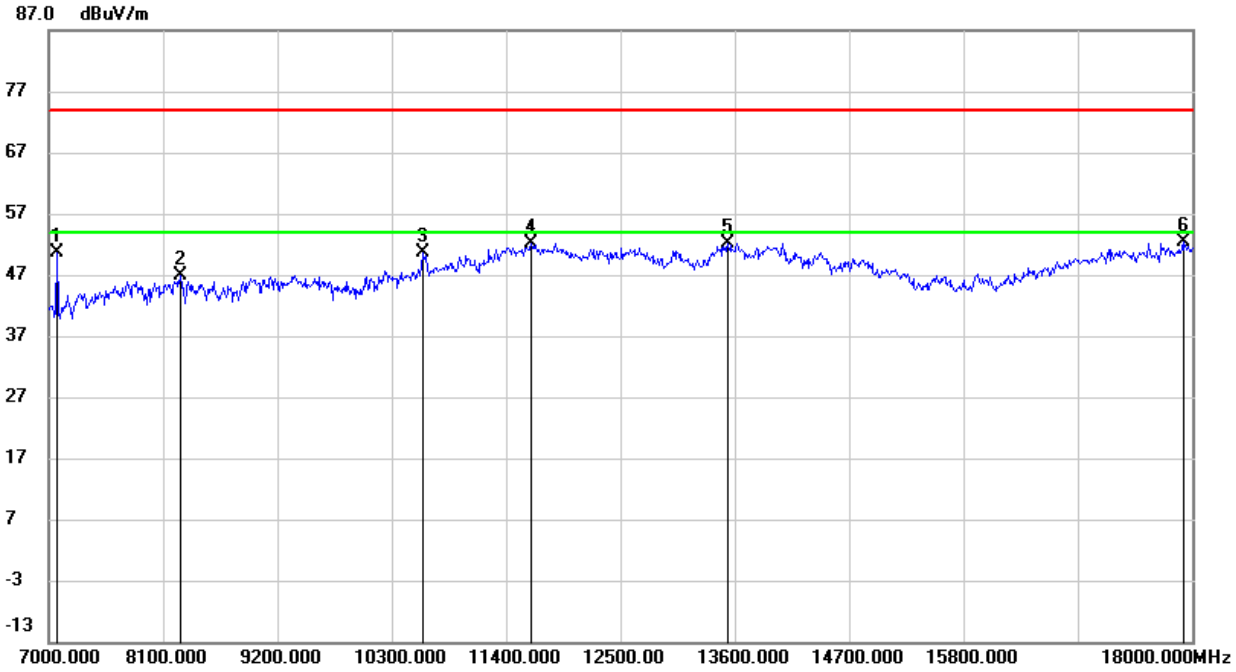
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7077.000	44.02	5.50	49.52	74.00	-24.48	peak
2	9134.000	37.60	9.33	46.93	74.00	-27.07	peak
3	10619.000	41.09	12.99	54.08	74.00	-19.92	peak
4	10619.000	27.22	12.99	40.21	54.00	-13.79	AVG
5	11807.000	34.57	17.35	51.92	74.00	-22.08	peak
6	13490.000	33.52	18.40	51.92	74.00	-22.08	peak
7	17582.000	31.25	20.64	51.89	74.00	-22.11	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)

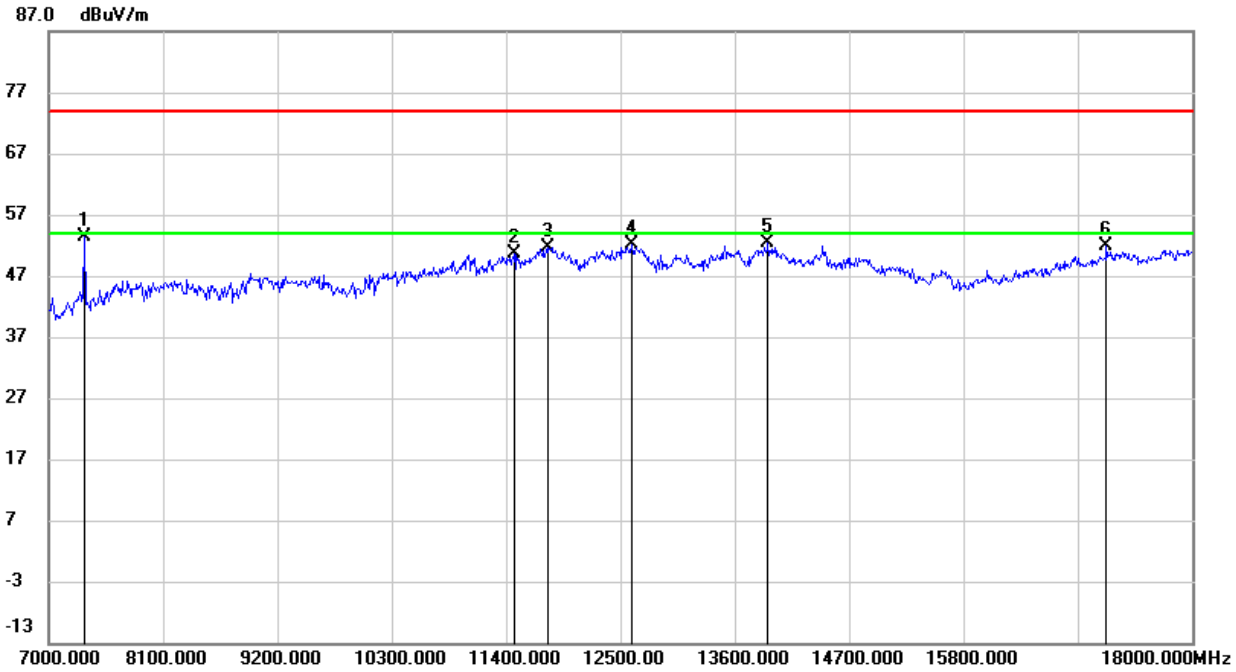


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7077.000	45.06	5.50	50.56	74.00	-23.44	peak
2	8265.000	38.35	8.45	46.80	74.00	-27.20	peak
3	10597.000	37.73	12.93	50.66	74.00	-23.34	peak
4	11642.000	35.60	16.51	52.11	74.00	-21.89	peak
5	13534.000	33.65	18.40	52.05	74.00	-21.95	peak
6	17912.000	29.30	23.14	52.44	74.00	-21.56	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.

UNII-2C BAND

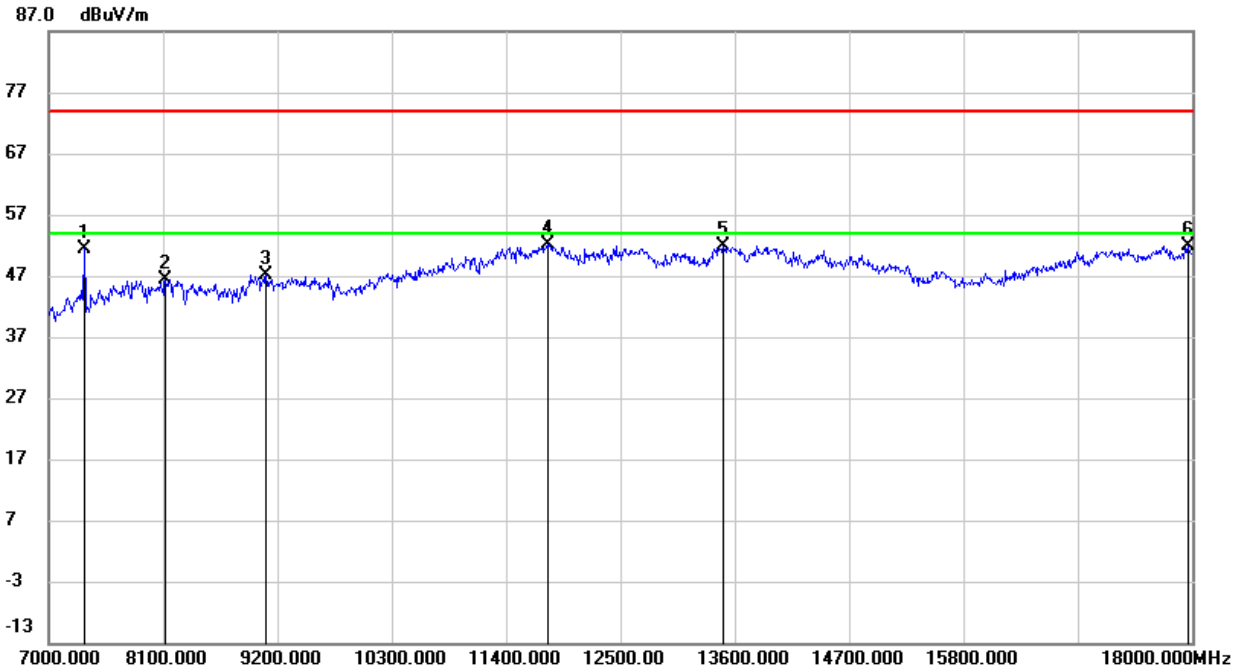
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7341.000	46.61	6.72	53.33	74.00	-20.67	peak
2	11477.000	34.54	16.09	50.63	74.00	-23.37	peak
3	11796.000	34.38	17.33	51.71	74.00	-22.29	peak
4	12610.000	35.41	16.64	52.05	74.00	-21.95	peak
5	13919.000	33.72	18.64	52.36	74.00	-21.64	peak
6	17175.000	32.34	19.59	51.93	74.00	-22.07	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.

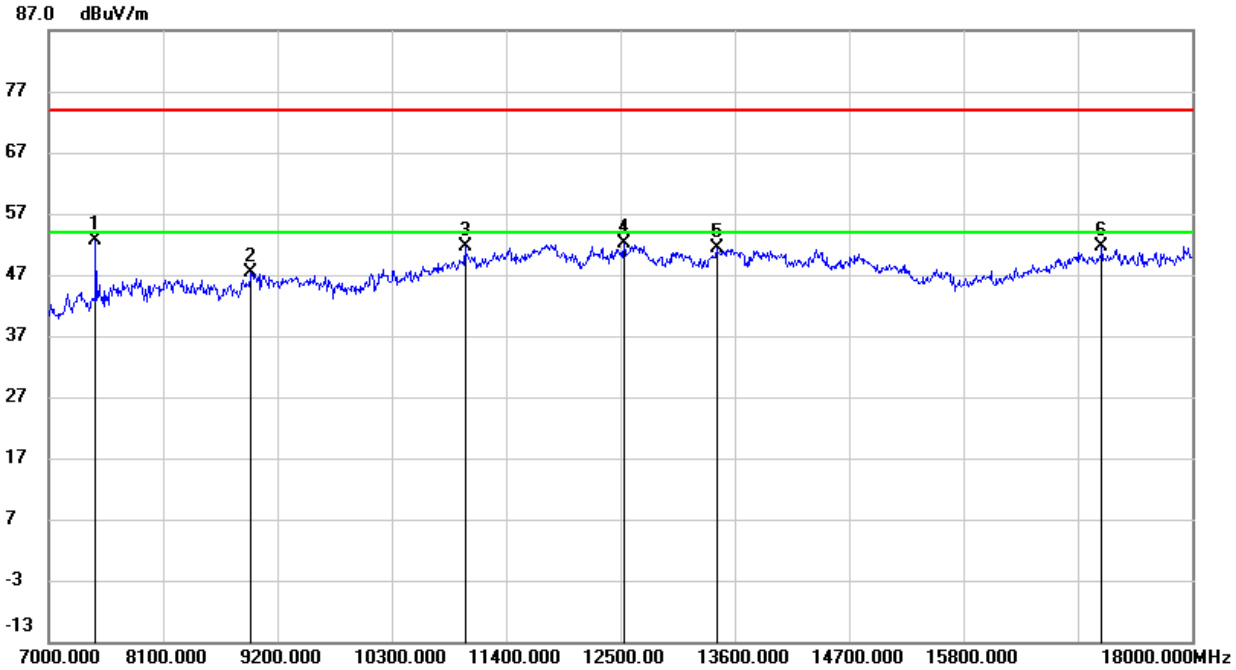
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7341.000	44.65	6.72	51.37	74.00	-22.63	peak
2	8122.000	38.31	8.07	46.38	74.00	-27.62	peak
3	9090.000	37.62	9.60	47.22	74.00	-26.78	peak
4	11796.000	34.77	17.33	52.10	74.00	-21.90	peak
5	13490.000	33.58	18.40	51.98	74.00	-22.02	peak
6	17956.000	28.62	23.26	51.88	74.00	-22.12	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.

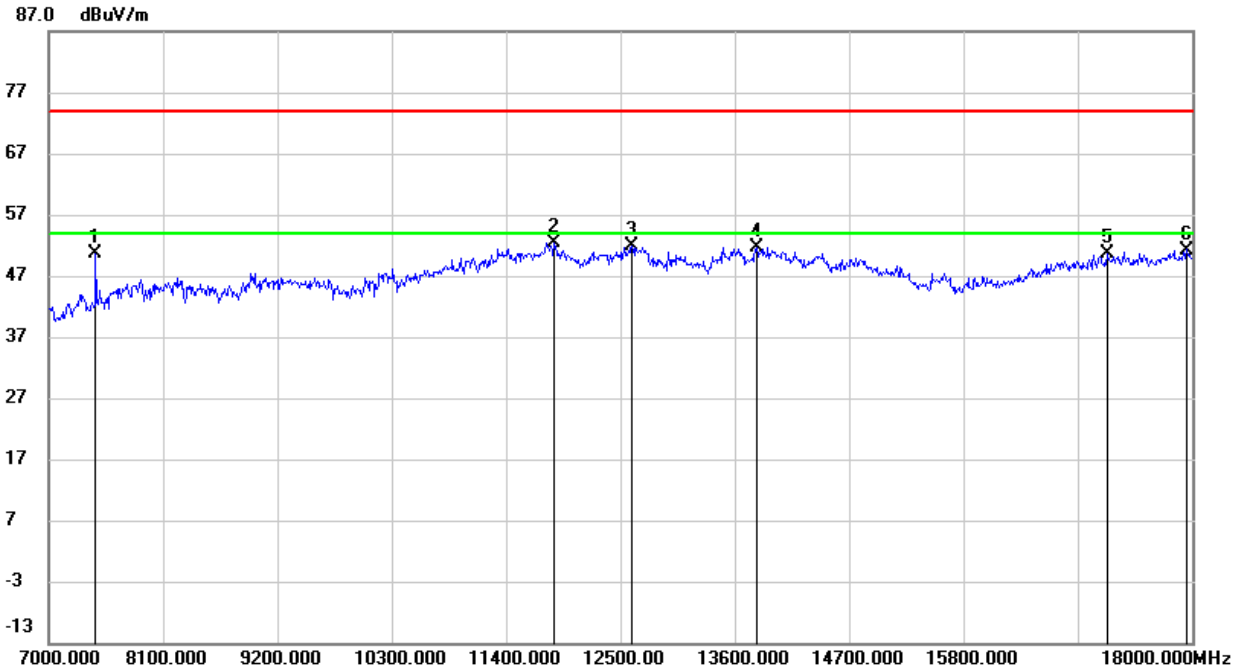
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7451.000	45.75	6.94	52.69	74.00	-21.31	peak
2	8947.000	37.72	9.55	47.27	74.00	-26.73	peak
3	11004.000	37.51	14.17	51.68	74.00	-22.32	peak
4	12533.000	35.43	16.66	52.09	74.00	-21.91	peak
5	13424.000	33.12	18.25	51.37	74.00	-22.63	peak
6	17131.000	32.19	19.33	51.52	74.00	-22.48	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.

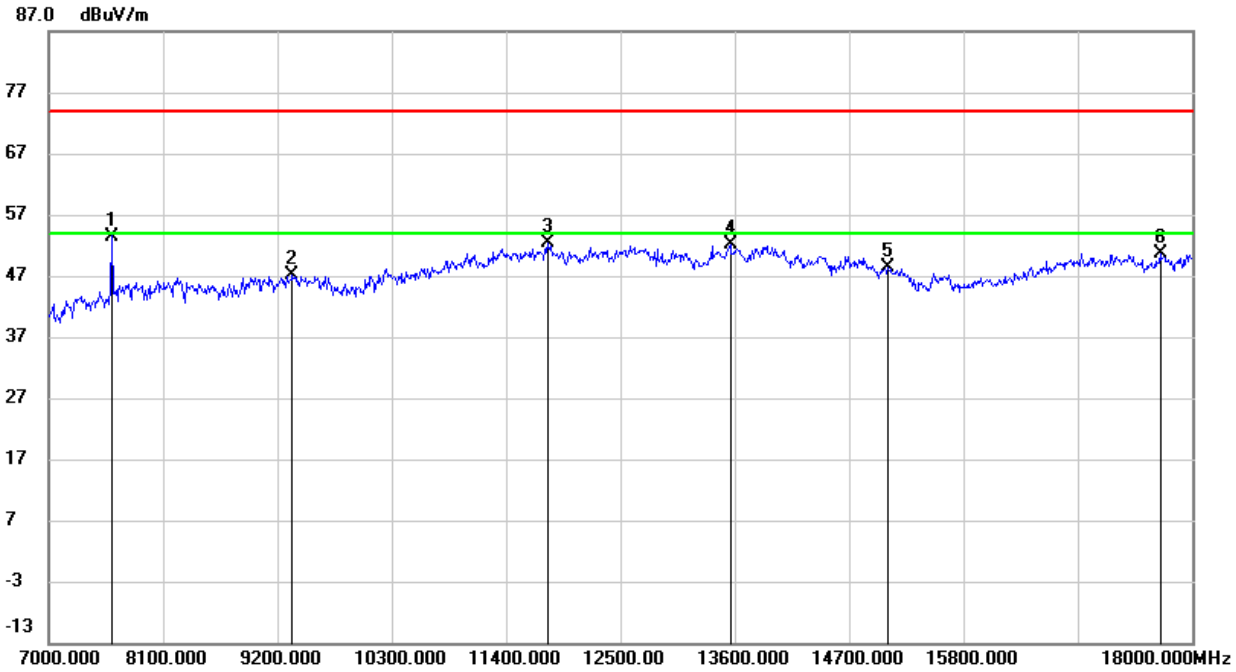
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7451.000	43.73	6.94	50.67	74.00	-23.33	peak
2	11862.000	35.23	17.25	52.48	74.00	-21.52	peak
3	12610.000	35.20	16.64	51.84	74.00	-22.16	peak
4	13809.000	32.91	18.77	51.68	74.00	-22.32	peak
5	17186.000	30.86	19.65	50.51	74.00	-23.49	peak
6	17945.000	28.02	23.23	51.25	74.00	-22.75	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. 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.

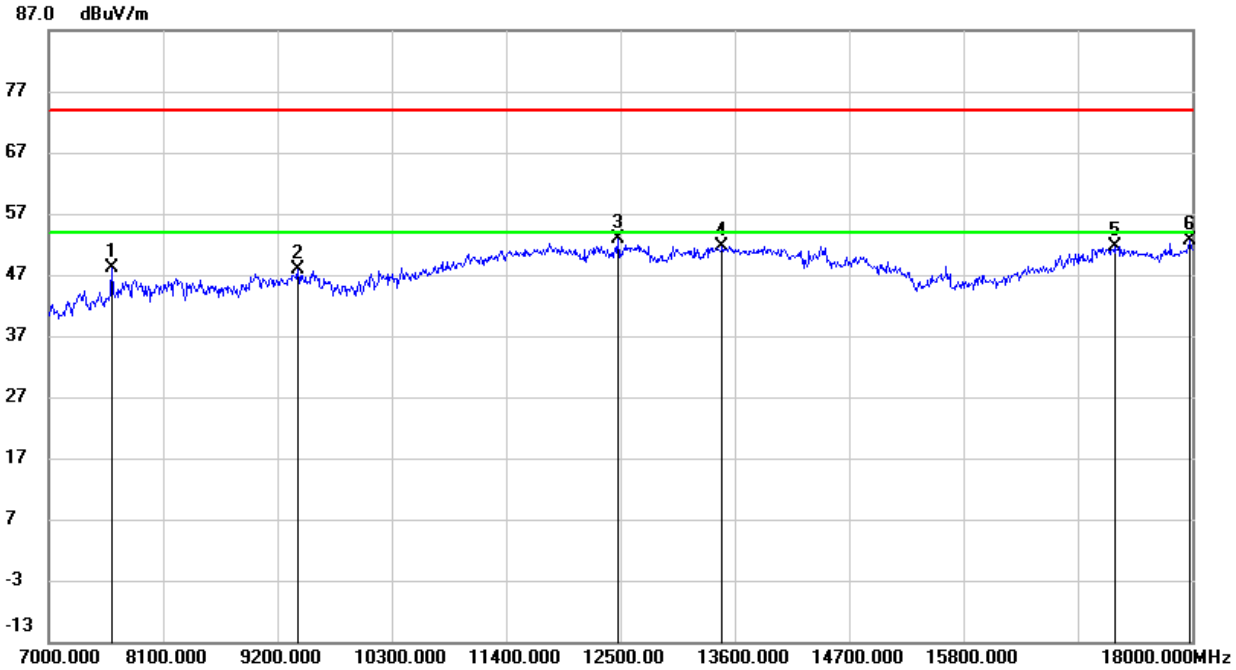
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7610.500	46.66	6.84	53.50	74.00	-20.50	peak
2	9343.000	37.41	9.80	47.21	74.00	-26.79	peak
3	11801.500	35.07	17.35	52.42	74.00	-21.58	peak
4	13561.500	33.68	18.39	52.07	74.00	-21.93	peak
5	15079.500	32.97	15.47	48.44	74.00	-25.56	peak
6	17697.500	28.73	21.78	50.51	74.00	-23.49	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)

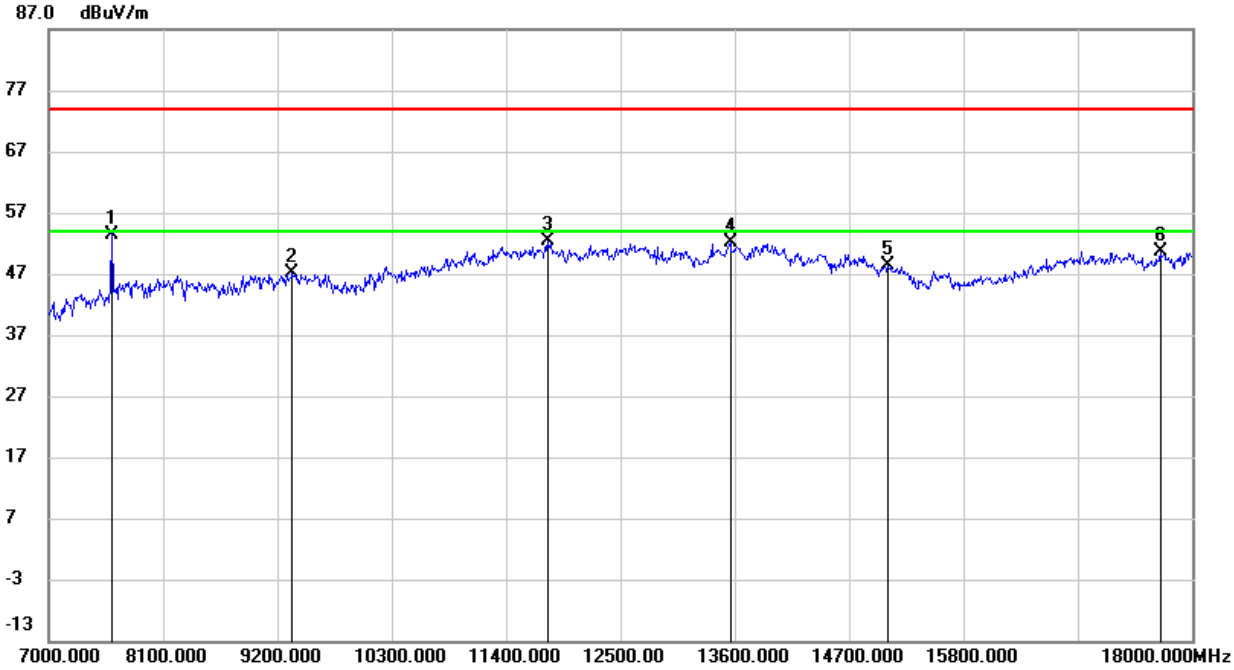


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7610.500	41.34	6.84	48.18	74.00	-25.82	peak
2	9398.000	37.70	10.12	47.82	74.00	-26.18	peak
3	12478.000	36.09	16.72	52.81	74.00	-21.19	peak
4	13484.500	33.34	18.39	51.73	74.00	-22.27	peak
5	17268.500	31.88	19.78	51.66	74.00	-22.34	peak
6	17983.500	29.30	23.33	52.63	74.00	-21.37	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.

STRADDLE CHANNEL 142

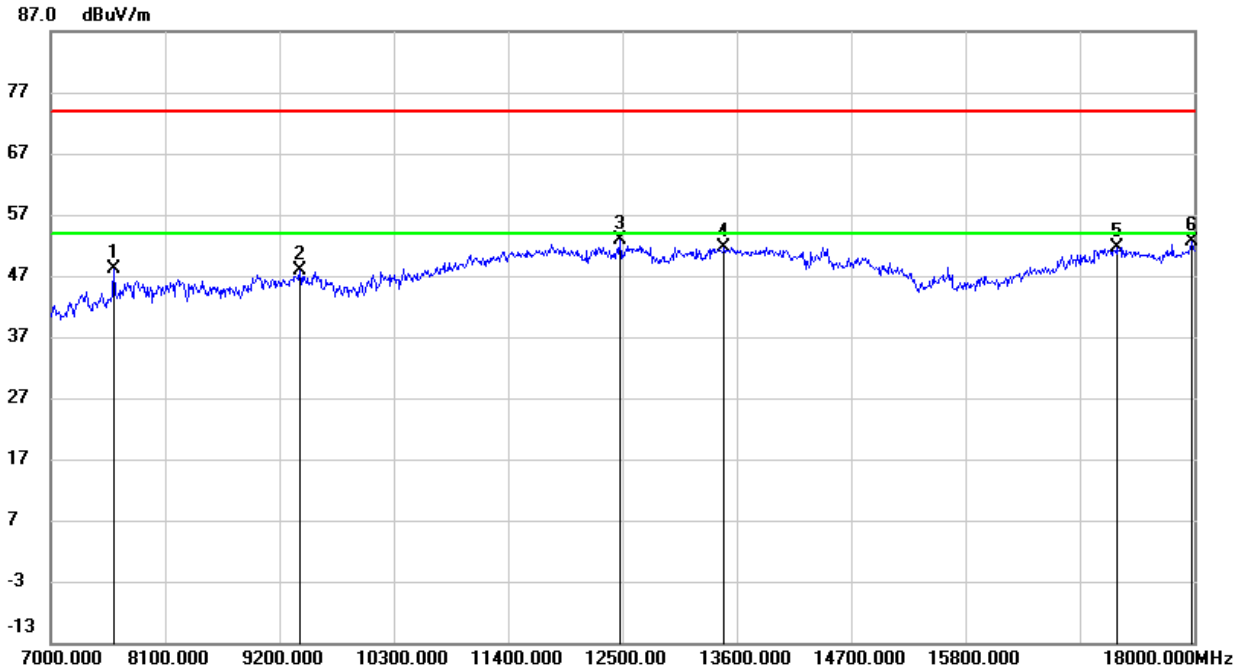
HARMONICS AND SPURIOUS EMISSIONS (HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7610.500	46.66	6.84	53.50	74.00	-20.50	peak
2	9343.000	37.41	9.80	47.21	74.00	-26.79	peak
3	11801.500	35.07	17.35	52.42	74.00	-21.58	peak
4	13561.500	33.68	18.39	52.07	74.00	-21.93	peak
5	15079.500	32.97	15.47	48.44	74.00	-25.56	peak
6	17697.500	28.73	21.78	50.51	74.00	-23.49	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 (VERTICAL)

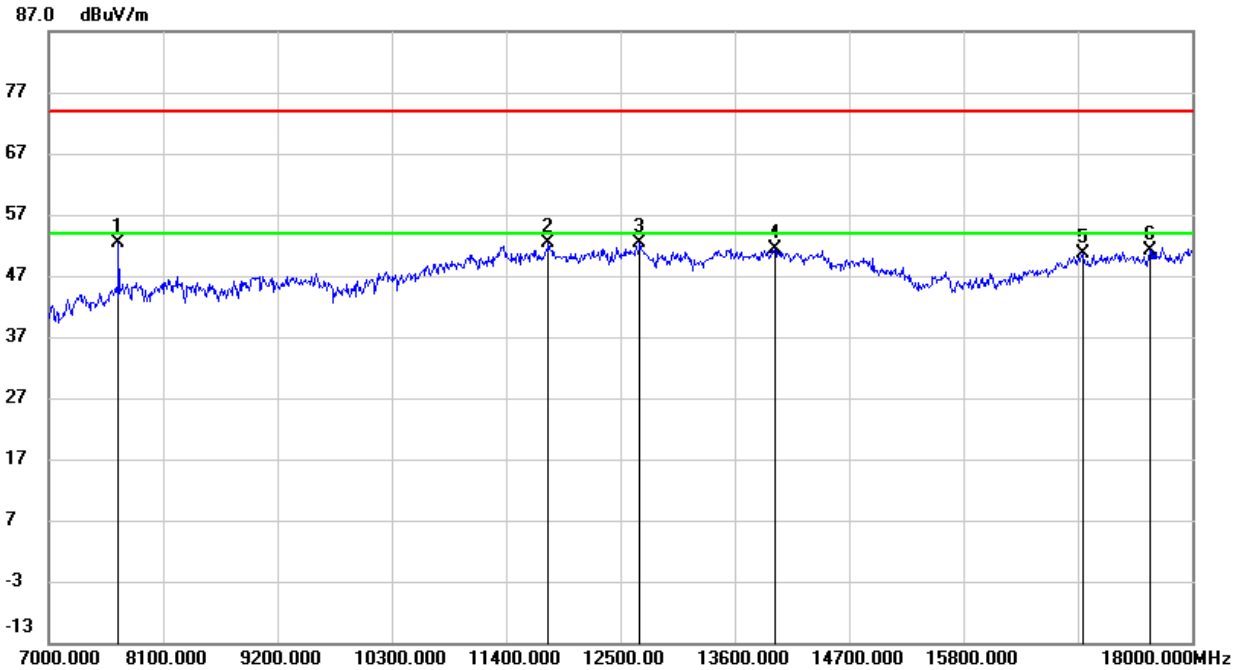


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7610.500	41.34	6.84	48.18	74.00	-25.82	peak
2	9398.000	37.70	10.12	47.82	74.00	-26.18	peak
3	12478.000	36.09	16.72	52.81	74.00	-21.19	peak
4	13484.500	33.34	18.39	51.73	74.00	-22.27	peak
5	17268.500	31.88	19.78	51.66	74.00	-22.34	peak
6	17983.500	29.30	23.33	52.63	74.00	-21.37	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.

UNII-3 BAND

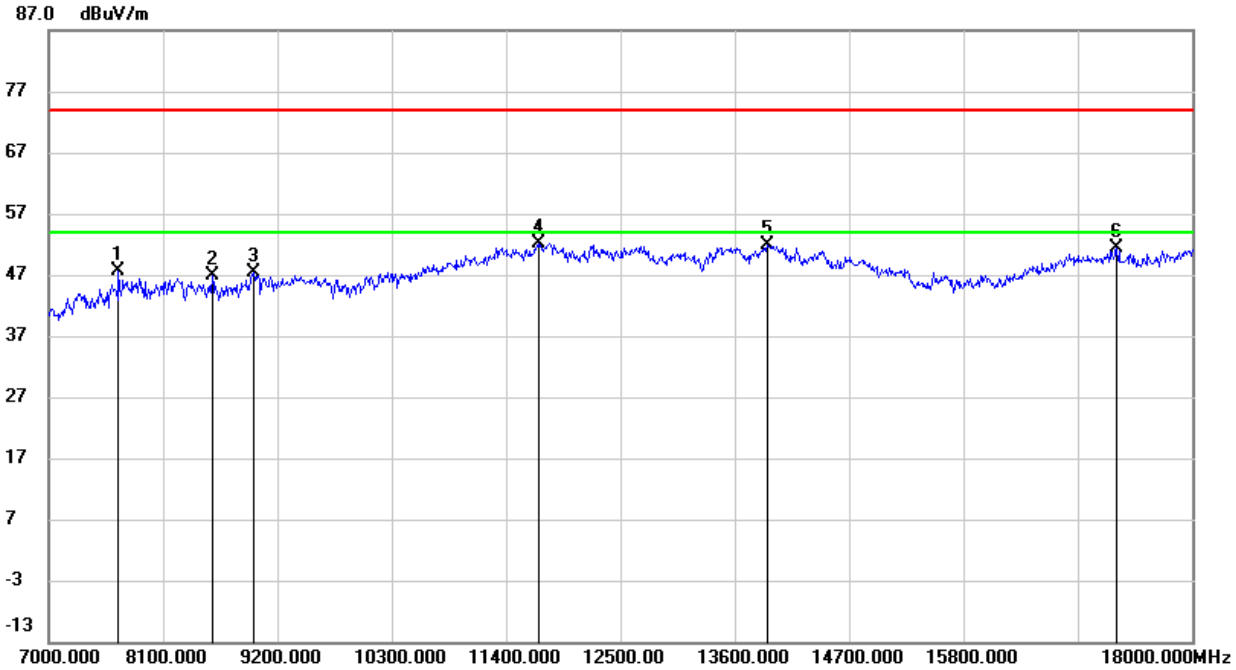
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7671.000	45.41	7.08	52.49	74.00	-21.51	peak
2	11807.000	35.03	17.35	52.38	74.00	-21.62	peak
3	12692.500	35.53	16.83	52.36	74.00	-21.64	peak
4	13985.000	32.78	18.57	51.35	74.00	-22.65	peak
5	16944.000	32.34	18.32	50.66	74.00	-23.34	peak
6	17598.500	30.43	20.74	51.17	74.00	-22.83	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. 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.

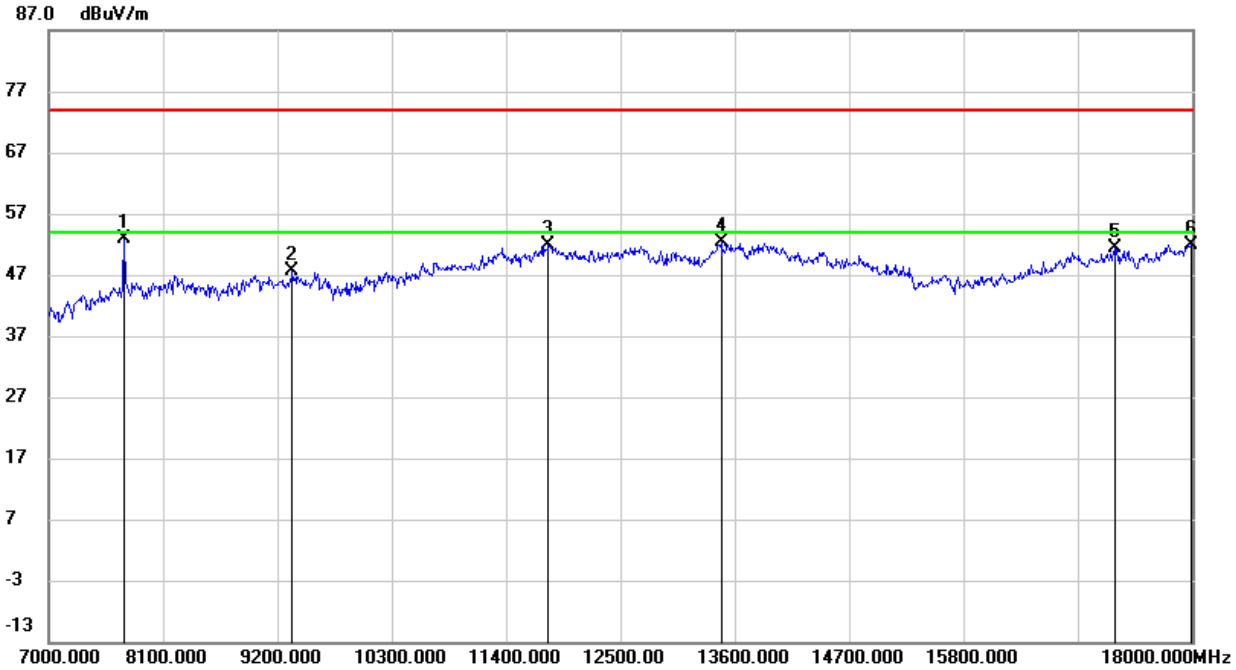
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7671.000	40.44	7.08	47.52	74.00	-26.48	peak
2	8578.500	38.88	7.88	46.76	74.00	-27.24	peak
3	8969.000	37.62	9.79	47.41	74.00	-26.59	peak
4	11708.000	35.33	16.87	52.20	74.00	-21.80	peak
5	13908.000	33.13	18.66	51.79	74.00	-22.21	peak
6	17279.500	31.67	19.78	51.45	74.00	-22.55	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.

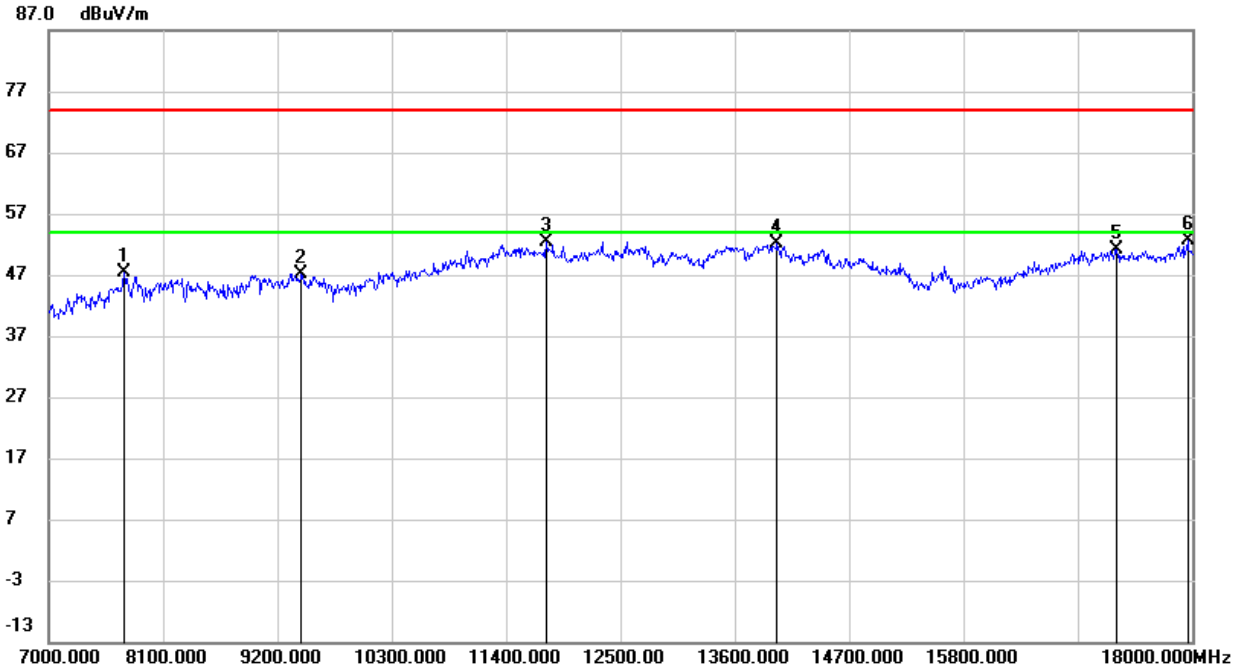
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7726.000	45.51	7.31	52.82	74.00	-21.18	peak
2	9348.500	37.79	9.83	47.62	74.00	-26.38	peak
3	11807.000	34.56	17.35	51.91	74.00	-22.09	peak
4	13473.500	34.09	18.35	52.44	74.00	-21.56	peak
5	17268.500	31.48	19.78	51.26	74.00	-22.74	peak
6	17989.000	28.64	23.34	51.98	74.00	-22.02	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. 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)



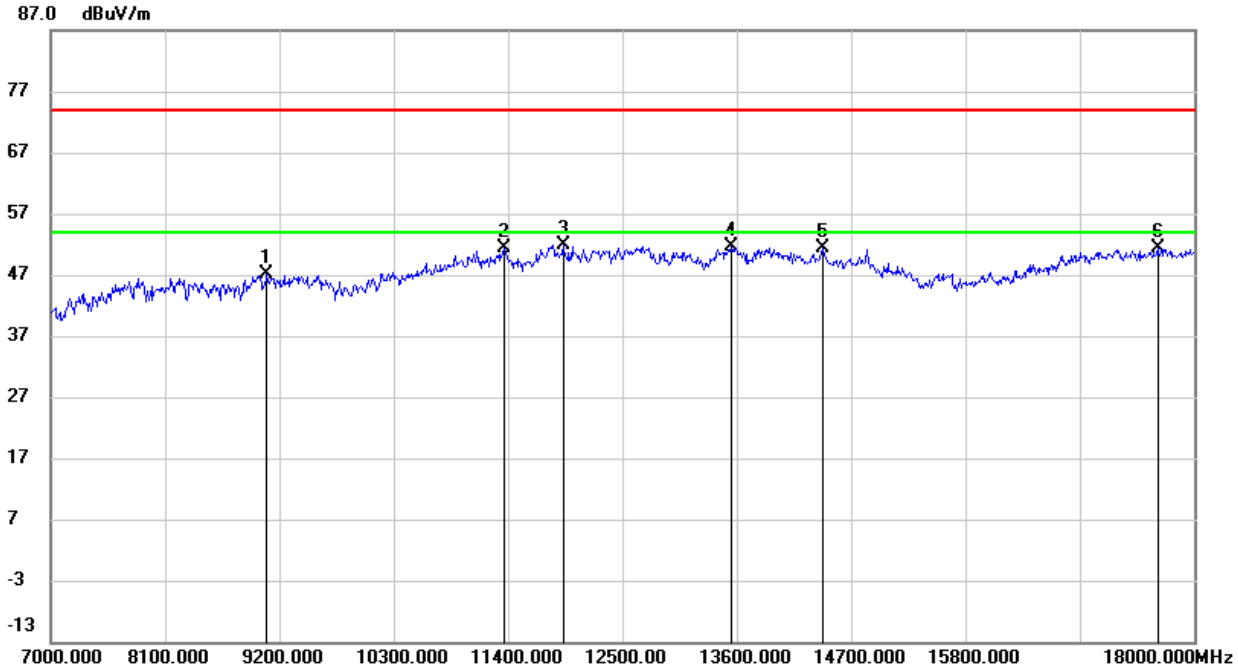
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7726.000	40.07	7.31	47.38	74.00	-26.62	peak
2	9431.000	37.02	10.20	47.22	74.00	-26.78	peak
3	11790.500	35.12	17.30	52.42	74.00	-21.58	peak
4	14007.000	33.63	18.53	52.16	74.00	-21.84	peak
5	17274.000	31.39	19.78	51.17	74.00	-22.83	peak
6	17956.000	29.26	23.26	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.

8.3.1. 802.11ac VHT80 SISO MODE

UNII-1 BAND

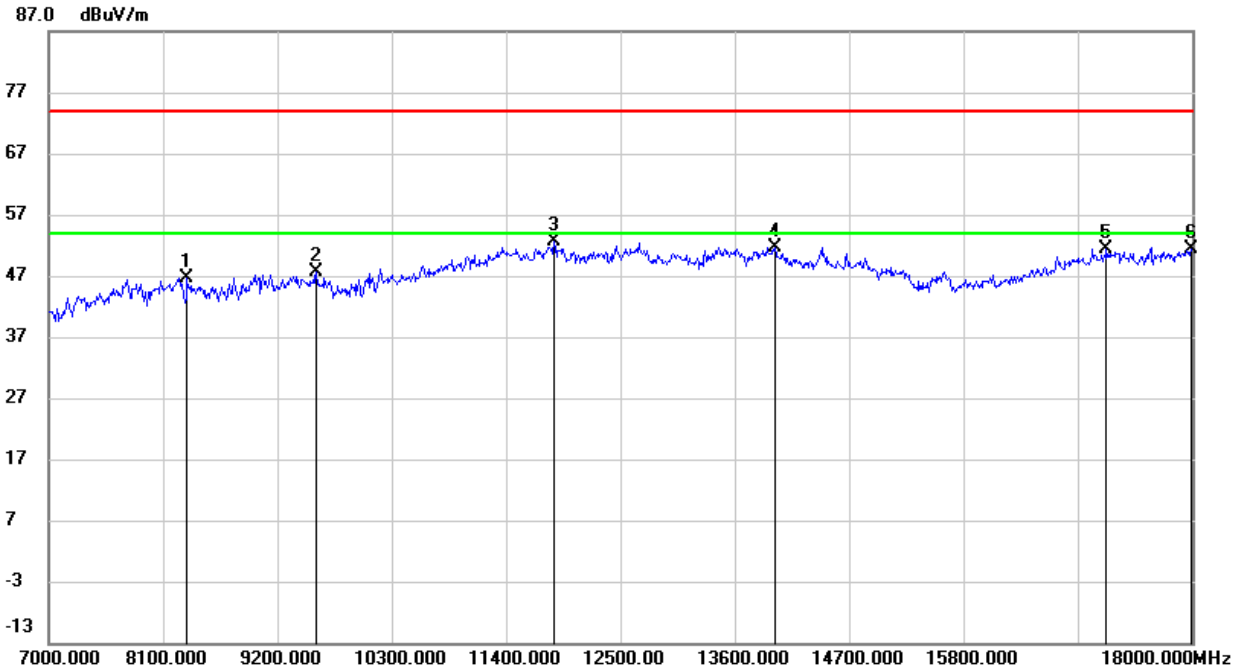
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9084.500	37.44	9.63	47.07	74.00	-26.93	peak
2	11367.000	35.76	15.67	51.43	74.00	-22.57	peak
3	11933.500	34.82	17.14	51.96	74.00	-22.04	peak
4	13545.000	33.25	18.39	51.64	74.00	-22.36	peak
5	14425.000	34.12	17.31	51.43	74.00	-22.57	peak
6	17648.000	30.12	21.26	51.38	74.00	-22.62	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.
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)

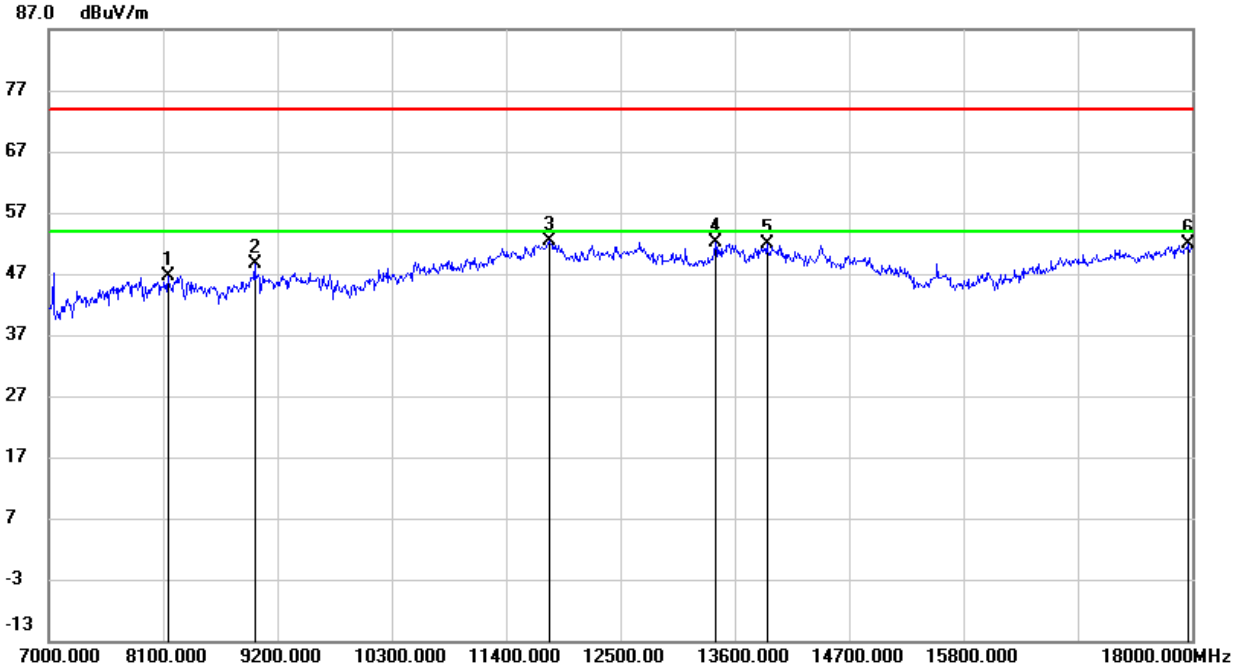


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8331.000	38.47	8.19	46.66	74.00	-27.34	peak
2	9579.500	37.16	10.48	47.64	74.00	-26.36	peak
3	11862.000	35.37	17.25	52.62	74.00	-21.38	peak
4	13985.000	33.02	18.57	51.59	74.00	-22.41	peak
5	17180.500	31.76	19.63	51.39	74.00	-22.61	peak
6	17989.000	27.98	23.34	51.32	74.00	-22.68	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.

UNII-2A BAND

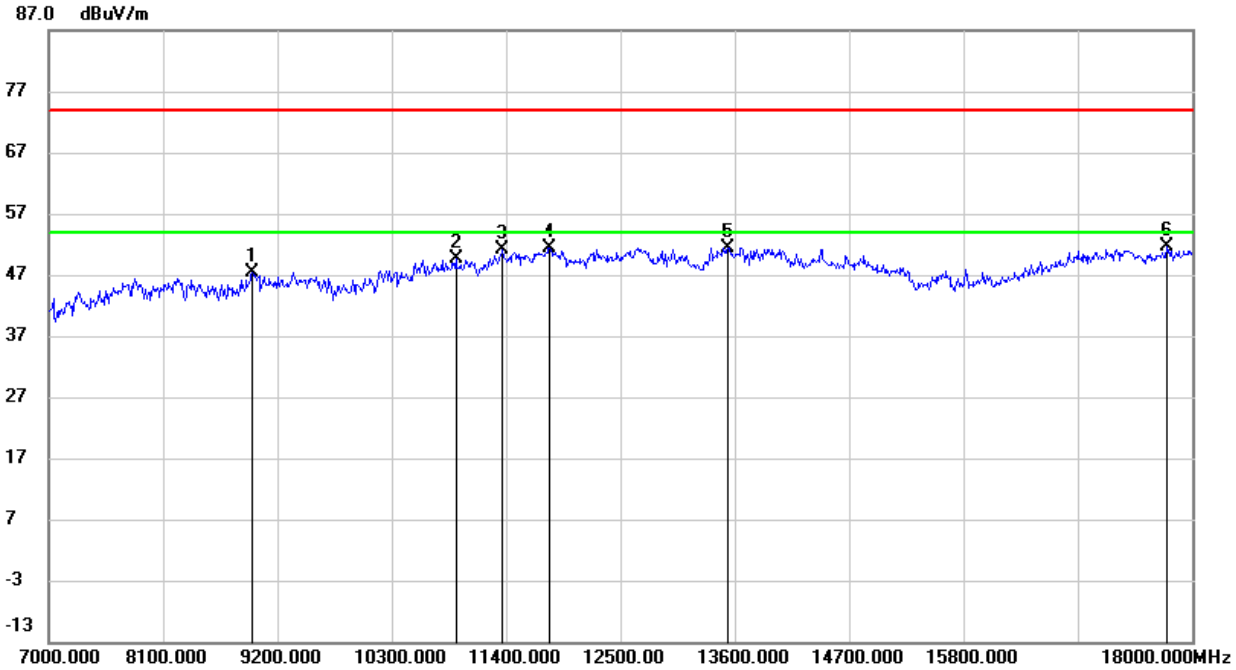
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8144.000	38.38	8.25	46.63	74.00	-27.37	peak
2	8985.500	38.59	9.97	48.56	74.00	-25.44	peak
3	11818.000	35.14	17.31	52.45	74.00	-21.55	peak
4	13418.500	33.79	18.24	52.03	74.00	-21.97	peak
5	13913.500	33.26	18.65	51.91	74.00	-22.09	peak
6	17956.000	28.54	23.26	51.80	74.00	-22.20	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)

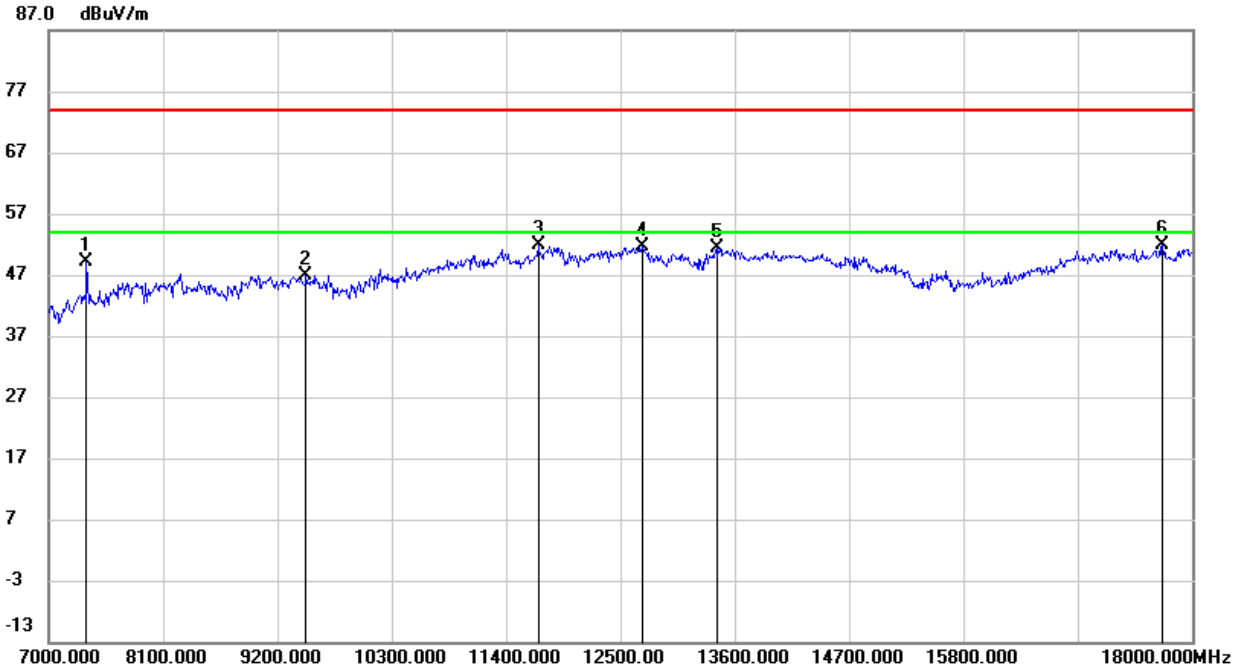


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8963.500	37.73	9.73	47.46	74.00	-26.54	peak
2	10916.000	35.75	13.84	49.59	74.00	-24.41	peak
3	11372.500	35.41	15.71	51.12	74.00	-22.88	peak
4	11823.500	34.14	17.32	51.46	74.00	-22.54	peak
5	13534.000	32.98	18.40	51.38	74.00	-22.62	peak
6	17763.500	29.16	22.48	51.64	74.00	-22.36	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.

UNII-2C BAND

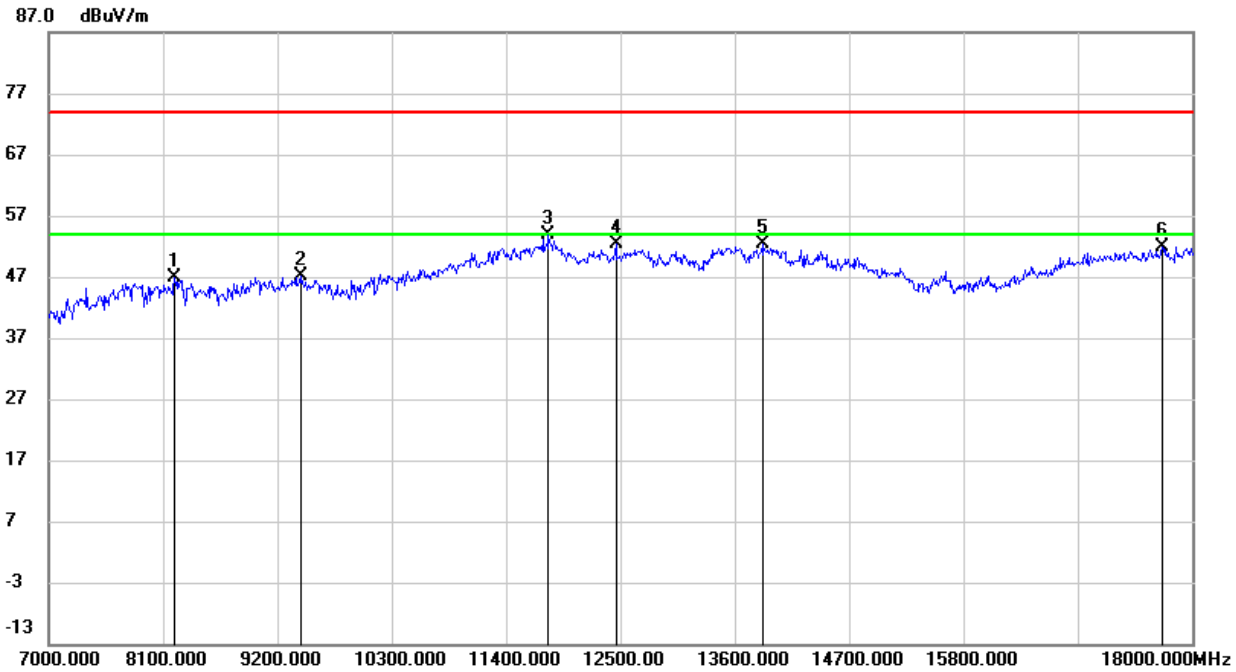
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7368.500	42.27	6.83	49.10	74.00	-24.90	peak
2	9475.000	36.63	10.30	46.93	74.00	-27.07	peak
3	11713.500	34.98	16.90	51.88	74.00	-22.12	peak
4	12709.000	34.88	16.87	51.75	74.00	-22.25	peak
5	13435.000	33.15	18.28	51.43	74.00	-22.57	peak
6	17719.500	29.93	22.01	51.94	74.00	-22.06	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.

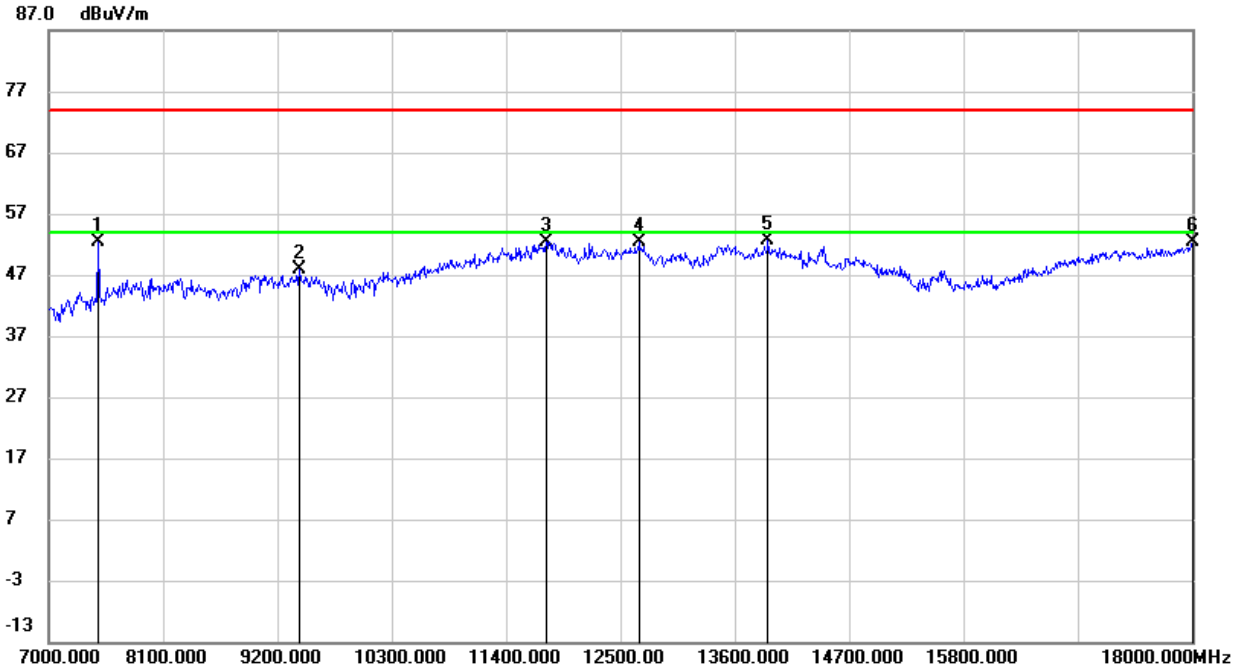
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8210.000	38.31	8.68	46.99	74.00	-27.01	peak
2	9420.000	37.08	10.17	47.25	74.00	-26.75	peak
3	11812.500	36.67	17.33	54.00	74.00	-20.00	peak
4	12461.500	35.70	16.75	52.45	74.00	-21.55	peak
5	13864.000	33.75	18.70	52.45	74.00	-21.55	peak
6	17714.000	29.86	21.94	51.80	74.00	-22.20	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.

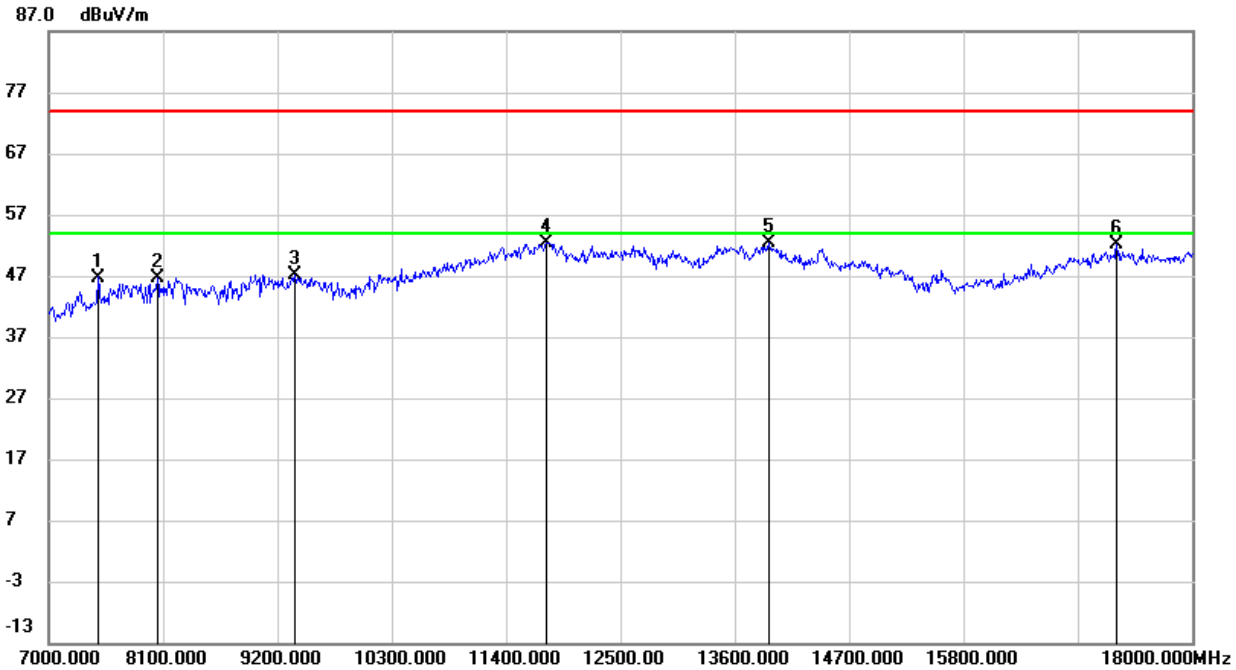
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7478.500	45.49	6.92	52.41	74.00	-21.59	peak
2	9414.500	37.71	10.16	47.87	74.00	-26.13	peak
3	11790.500	35.20	17.30	52.50	74.00	-21.50	peak
4	12681.500	35.47	16.81	52.28	74.00	-21.72	peak
5	13924.500	33.95	18.64	52.59	74.00	-21.41	peak
6	18000.000	28.93	23.37	52.30	74.00	-21.70	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)

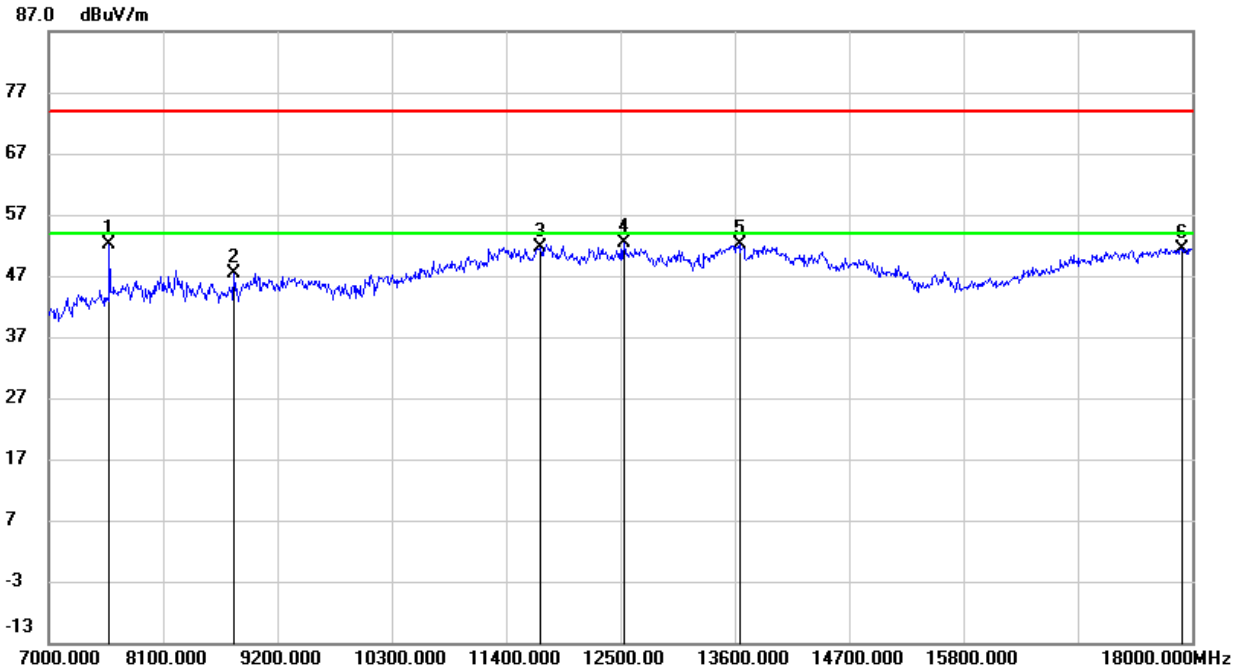


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7478.500	39.83	6.92	46.75	74.00	-27.25	peak
2	8050.500	39.22	7.48	46.70	74.00	-27.30	peak
3	9365.000	37.26	9.92	47.18	74.00	-26.82	peak
4	11785.000	35.08	17.27	52.35	74.00	-21.65	peak
5	13935.500	33.83	18.62	52.45	74.00	-21.55	peak
6	17274.000	32.24	19.78	52.02	74.00	-21.98	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.

STRADDLE CHANNEL 138

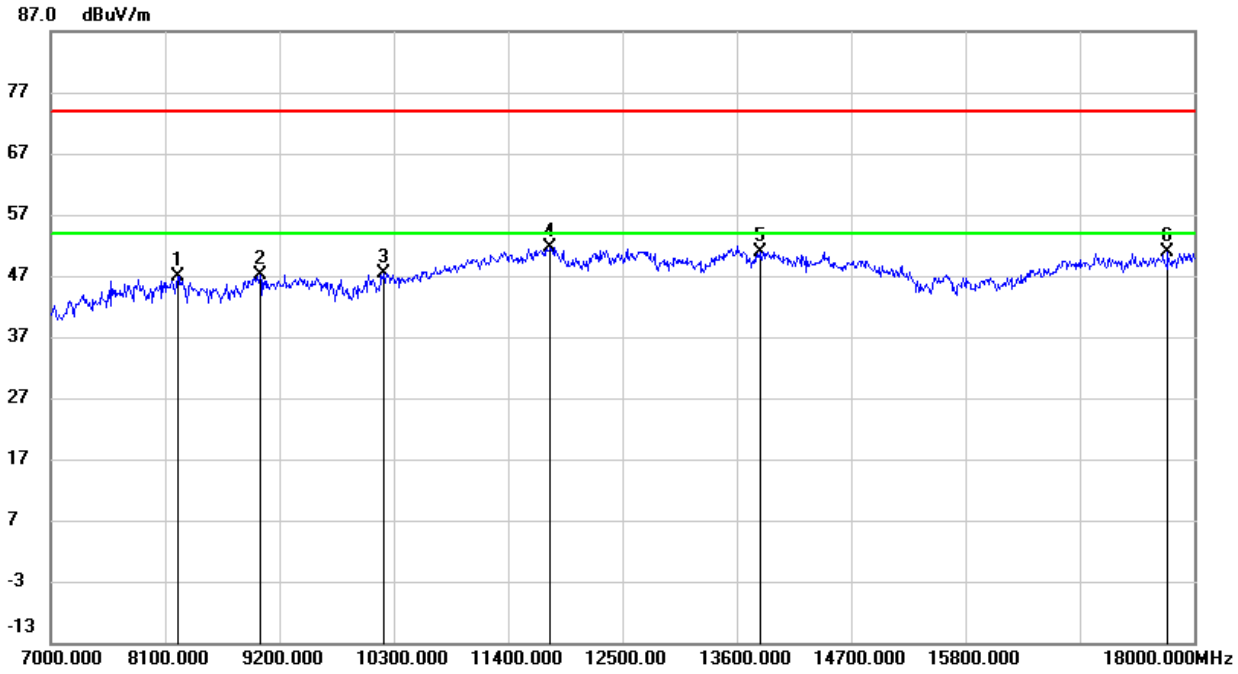
HARMONICS AND SPURIOUS EMISSIONS (HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7583.000	45.21	6.82	52.03	74.00	-21.97	peak
2	8787.500	39.50	7.93	47.43	74.00	-26.57	peak
3	11735.500	34.65	17.01	51.66	74.00	-22.34	peak
4	12538.500	35.67	16.66	52.33	74.00	-21.67	peak
5	13649.500	33.67	18.47	52.14	74.00	-21.86	peak
6	17901.000	28.37	23.12	51.49	74.00	-22.51	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 (VERTICAL)

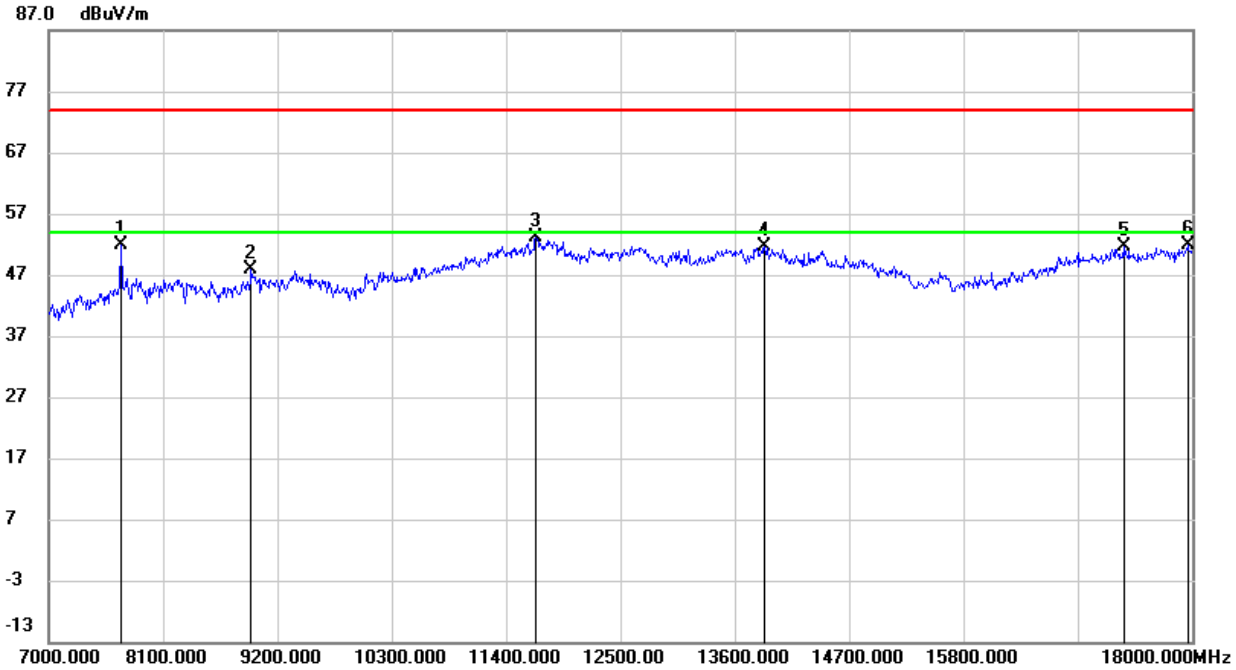


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8226.500	38.34	8.61	46.95	74.00	-27.05	peak
2	9013.000	37.20	10.05	47.25	74.00	-26.75	peak
3	10201.000	36.09	11.30	47.39	74.00	-26.61	peak
4	11807.000	34.25	17.35	51.60	74.00	-22.40	peak
5	13831.000	32.18	18.75	50.93	74.00	-23.07	peak
6	17747.000	28.46	22.30	50.76	74.00	-23.24	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.

UNII-3 BAND

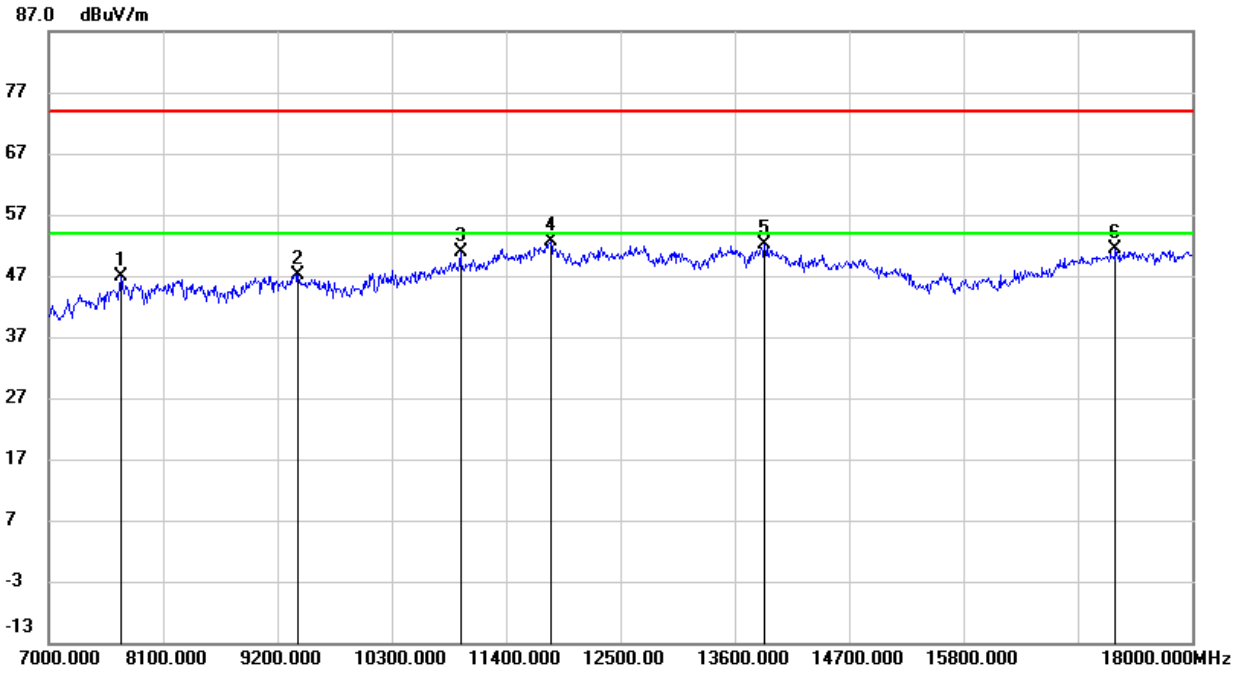
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7698.500	44.74	7.20	51.94	74.00	-22.06	peak
2	8947.000	38.22	9.55	47.77	74.00	-26.23	peak
3	11686.000	36.47	16.75	53.22	74.00	-20.78	peak
4	13886.000	33.01	18.68	51.69	74.00	-22.31	peak
5	17345.500	31.70	19.81	51.51	74.00	-22.49	peak
6	17956.000	28.52	23.26	51.78	74.00	-22.22	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)



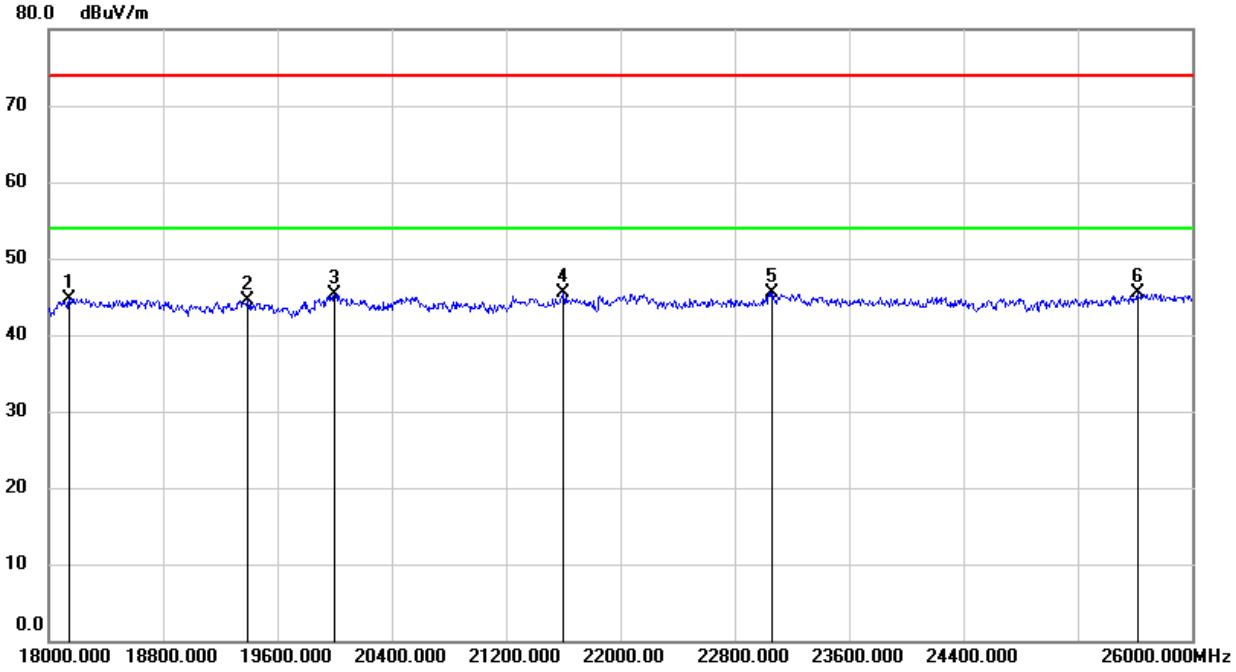
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7698.500	39.75	7.20	46.95	74.00	-27.05	peak
2	9398.000	37.13	10.12	47.25	74.00	-26.75	peak
3	10965.500	36.73	14.03	50.76	74.00	-23.24	peak
4	11834.500	35.23	17.29	52.52	74.00	-21.48	peak
5	13891.500	33.49	18.67	52.16	74.00	-21.84	peak
6	17263.000	31.58	19.78	51.36	74.00	-22.64	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. 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.

8.4. SPURIOUS EMISSIONS (18 GHz ~ 26 GHz)

8.4.1. 802.11a 20 MODE

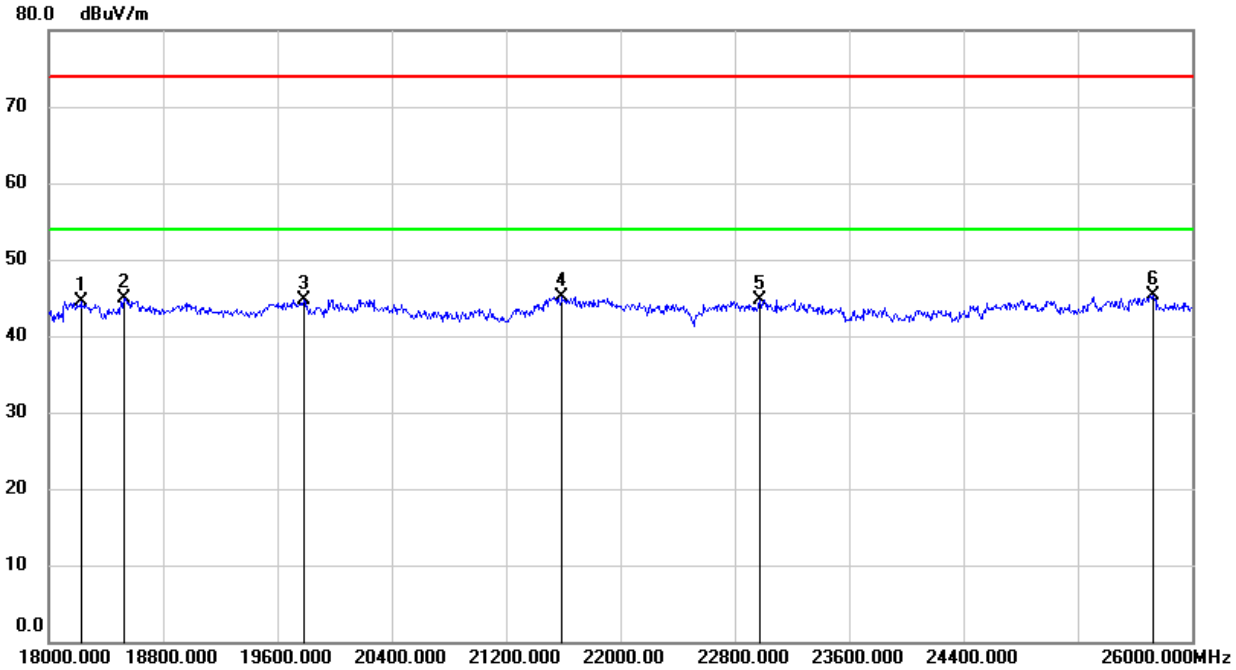
SPURIOUS EMISSIONS (UNII-2C BAND MID CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18144.000	50.27	-5.48	44.79	74.00	-29.21	peak
2	19392.000	50.12	-5.57	44.55	74.00	-29.45	peak
3	20000.000	50.81	-5.45	45.36	74.00	-28.64	peak
4	21600.000	50.02	-4.54	45.48	74.00	-28.52	peak
5	23064.000	48.99	-3.42	45.57	74.00	-28.43	peak
6	25616.000	46.68	-1.24	45.44	74.00	-28.56	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 (UNII-2C BAND MID CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18224.000	50.08	-5.53	44.55	74.00	-29.45	peak
2	18528.000	50.11	-5.26	44.85	74.00	-29.15	peak
3	19784.000	50.07	-5.28	44.79	74.00	-29.21	peak
4	21592.000	49.64	-4.55	45.09	74.00	-28.91	peak
5	22976.000	48.26	-3.46	44.80	74.00	-29.20	peak
6	25728.000	46.11	-0.72	45.39	74.00	-28.61	peak

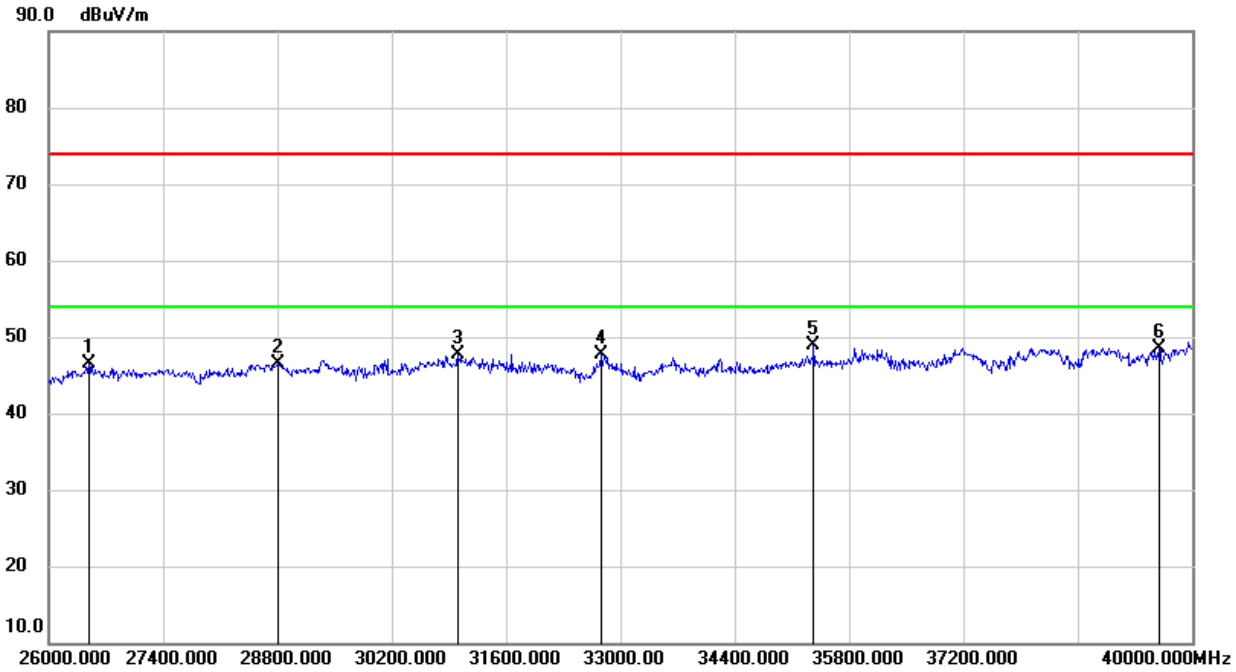
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

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

8.5. SPURIOUS EMISSIONS (26 GHz ~ 40 GHz)

8.5.1. 802.11a 20 MODE

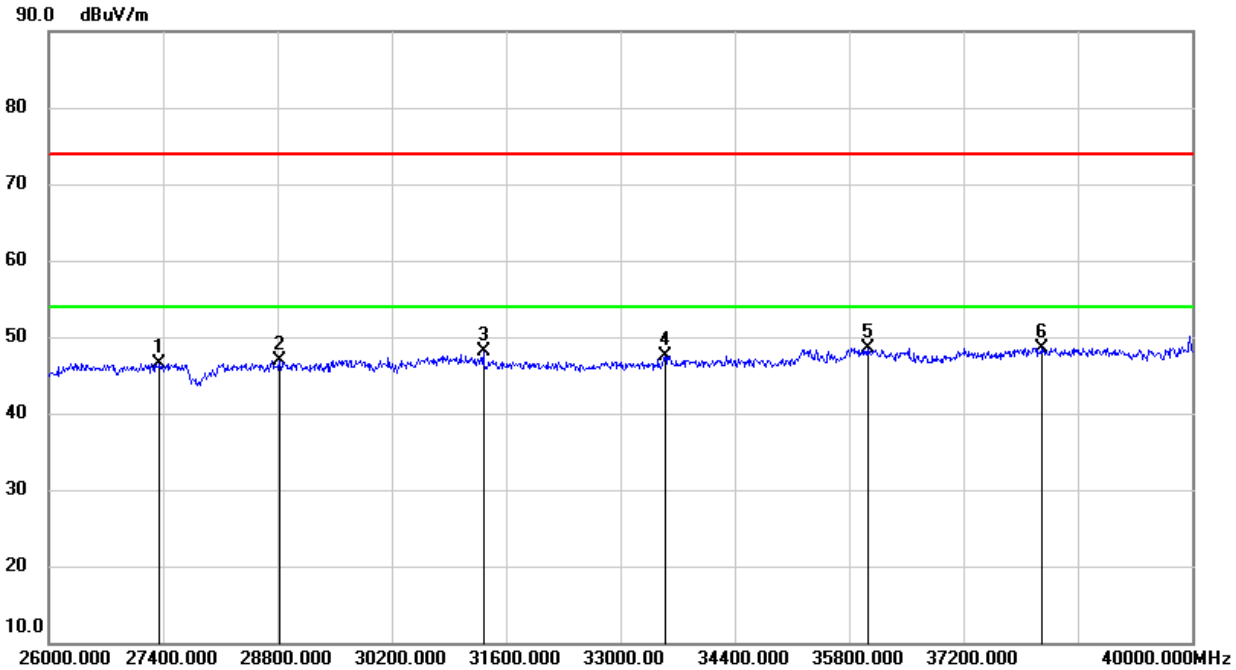
SPURIOUS EMISSIONS (UNII-2C BAND MID CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	26490.000	51.29	-4.74	46.55	74.00	-27.45	peak
2	28814.000	47.19	-0.75	46.44	74.00	-27.56	peak
3	31012.000	48.33	-0.71	47.62	74.00	-26.38	peak
4	32762.000	48.95	-1.21	47.74	74.00	-26.26	peak
5	35366.000	46.40	2.59	48.99	74.00	-25.01	peak
6	39594.000	43.54	4.95	48.49	74.00	-25.51	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 (UNII-2C BAND MID CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	27358.000	50.44	-3.95	46.49	74.00	-27.51	peak
2	28828.000	47.63	-0.79	46.84	74.00	-27.16	peak
3	31320.000	49.11	-0.93	48.18	74.00	-25.82	peak
4	33546.000	46.99	0.53	47.52	74.00	-26.48	peak
5	36024.000	44.54	3.96	48.50	74.00	-25.50	peak
6	38152.000	44.85	3.63	48.48	74.00	-25.52	peak

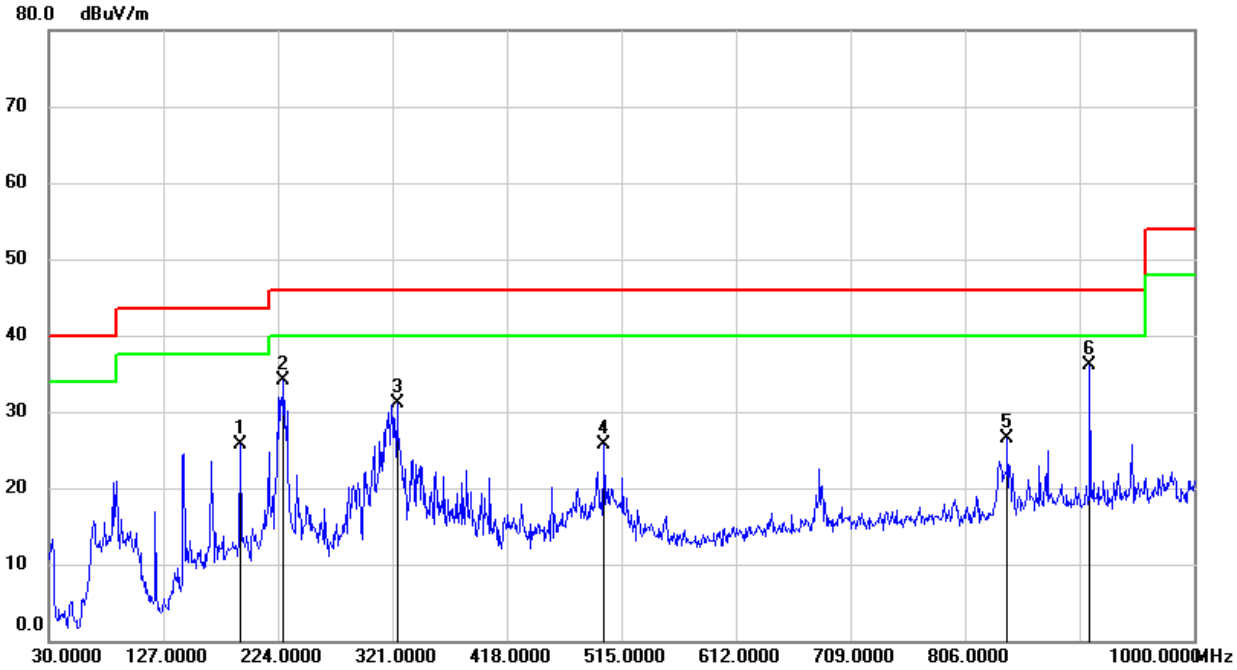
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

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

8.6. SPURIOUS EMISSIONS (30 MHz ~ 1 GHz)

8.6.1. 802.11a 20 MODE

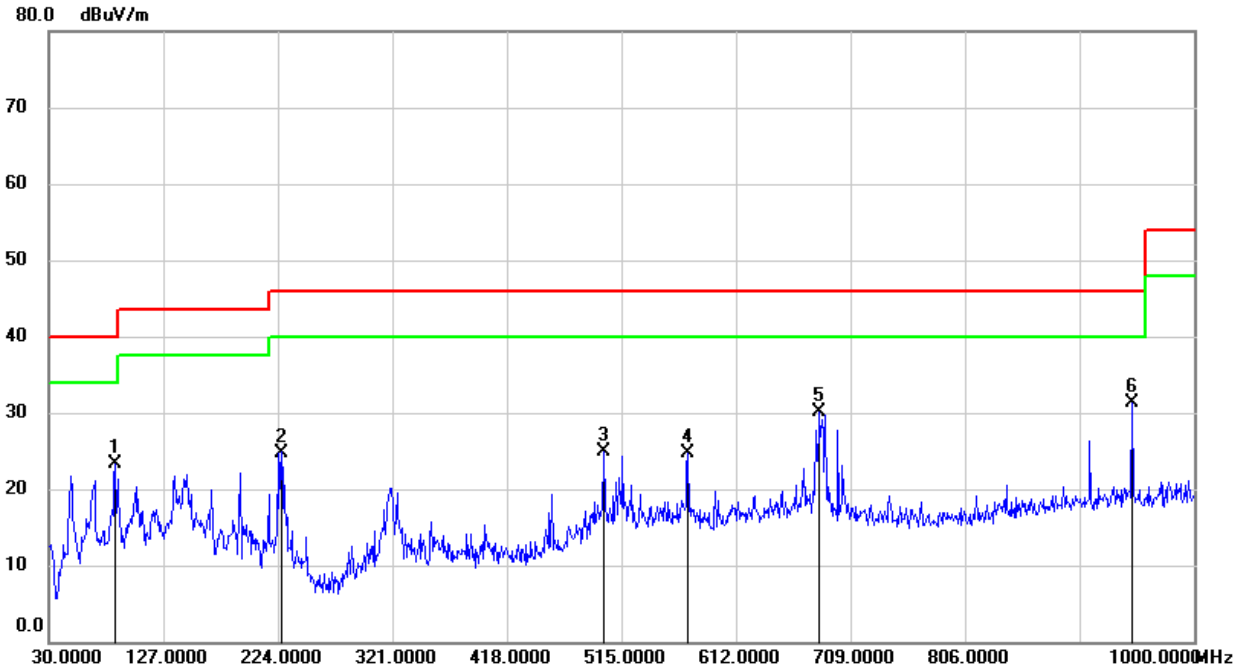
SPURIOUS EMISSIONS (UNII-2C BAND MID CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	191.9900	42.34	-16.56	25.78	43.50	-17.72	QP
2	228.8500	52.64	-18.61	34.03	46.00	-11.97	QP
3	324.8800	45.82	-14.73	31.09	46.00	-14.91	QP
4	500.4500	37.18	-11.46	25.72	46.00	-20.28	QP
5	841.8900	32.92	-6.43	26.49	46.00	-19.51	QP
6	911.7300	41.02	-4.93	36.09	46.00	-9.91	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-2C BAND MID CHANNEL, VERTICAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	86.2600	45.12	-21.75	23.37	40.00	-16.63	QP
2	226.9100	43.31	-18.51	24.80	46.00	-21.20	QP
3	500.4500	36.37	-11.46	24.91	46.00	-21.09	QP
4	571.2600	34.83	-10.06	24.77	46.00	-21.23	QP
5	682.8100	38.72	-8.52	30.20	46.00	-15.80	QP
6	947.6200	35.65	-4.43	31.22	46.00	-14.78	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

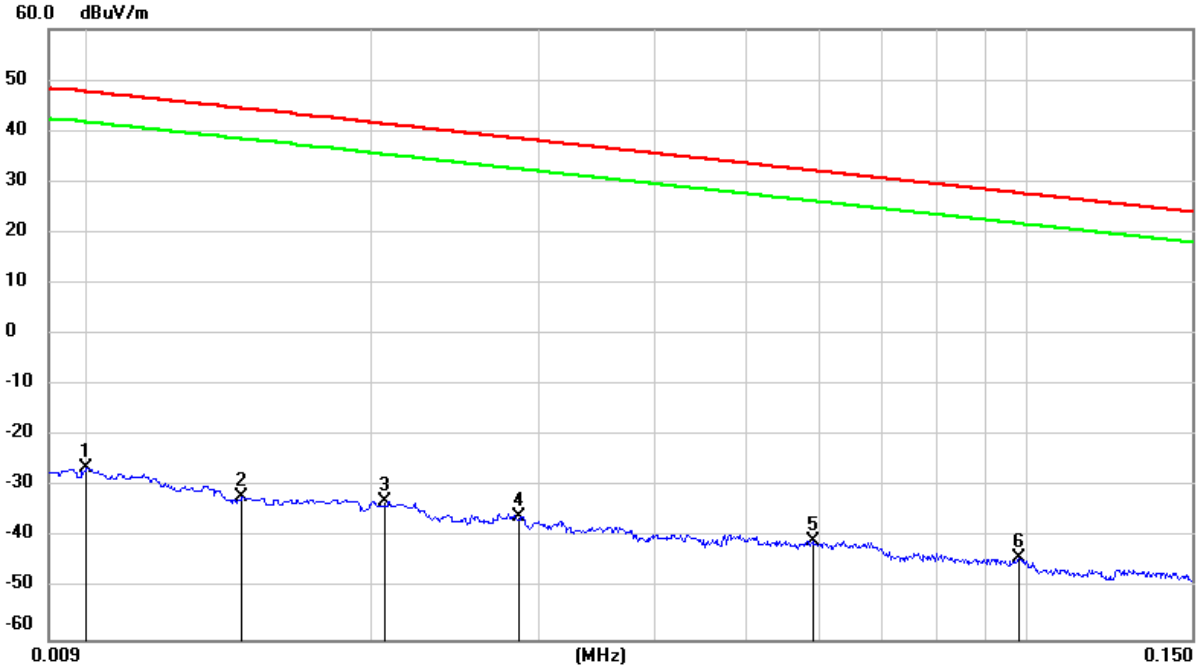
Note: All the modes had been tested, but only the worst data was recorded in the report.

8.7. SPURIOUS EMISSIONS BELOW 30 MHz

8.7.1. 802.11a 20 MODE

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

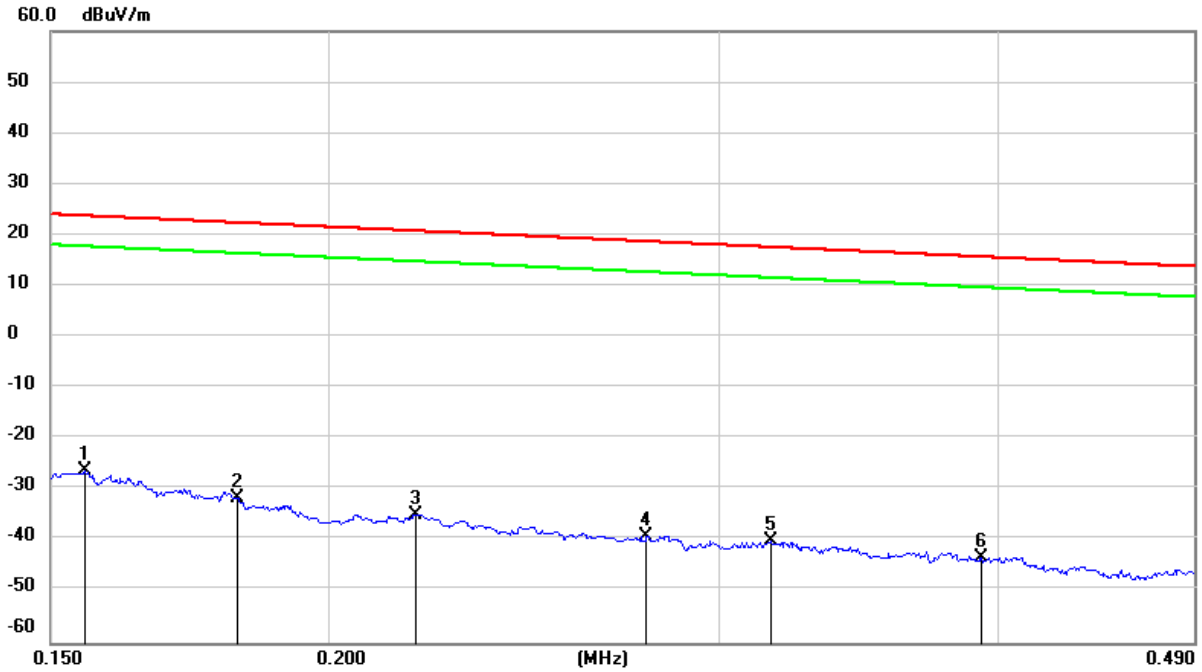
9 kHz ~ 150 kHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0100	75.22	-101.40	-26.18	47.60	-73.78	peak
2	0.0145	69.55	-101.38	-31.83	44.37	-76.20	peak
3	0.0206	68.42	-101.35	-32.93	41.32	-74.25	peak
4	0.0286	65.46	-101.38	-35.92	38.47	-74.39	peak
5	0.0589	60.81	-101.52	-40.71	32.20	-72.91	peak
6	0.0981	57.77	-101.78	-44.01	27.77	-71.78	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.

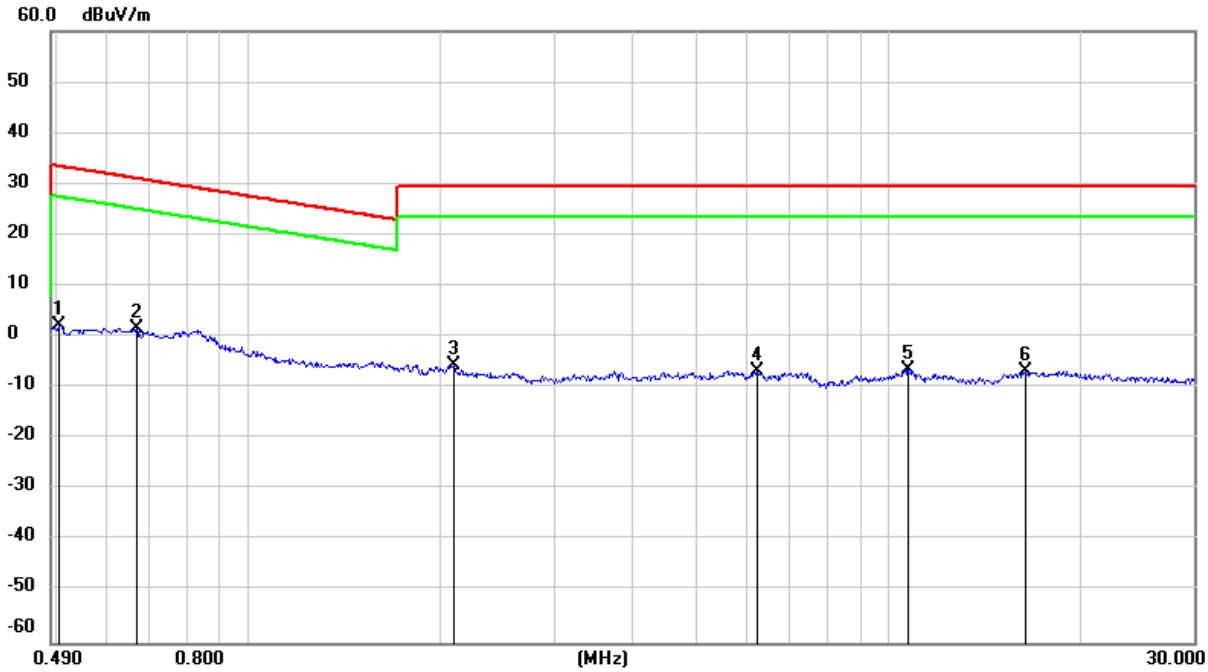
150 kHz ~ 490 kHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1554	75.27	-101.65	-26.38	23.77	-50.15	peak
2	0.1819	69.99	-101.68	-31.69	22.41	-54.10	peak
3	0.2190	66.77	-101.75	-34.98	20.79	-55.77	peak
4	0.2782	62.79	-101.83	-39.04	18.71	-57.75	peak
5	0.3163	61.70	-101.87	-40.17	17.60	-57.77	peak
6	0.3933	58.72	-101.96	-43.24	15.71	-58.95	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.

490 kHz ~ 30 MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.5039	64.44	-62.07	2.37	33.56	-31.19	peak
2	0.6671	63.75	-62.10	1.65	31.12	-29.47	peak
3	2.0939	56.39	-61.79	-5.40	29.54	-34.94	peak
4	6.2445	54.63	-61.32	-6.69	29.54	-36.23	peak
5	10.7299	54.48	-60.83	-6.35	29.54	-35.89	peak
6	16.3959	54.17	-60.96	-6.79	29.54	-36.33	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 had been tested, but only the worst data was recorded in the report.

9. AC POWER LINE CONDUCTED EMISSIONS

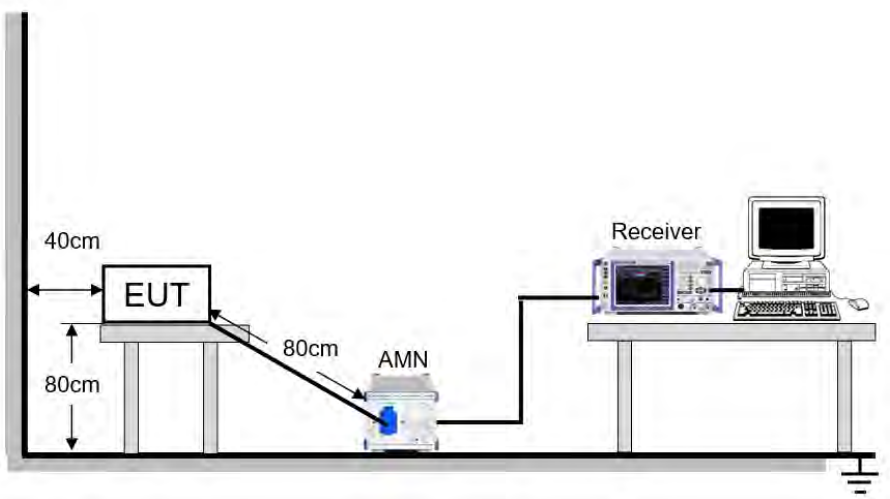
LIMITS

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.

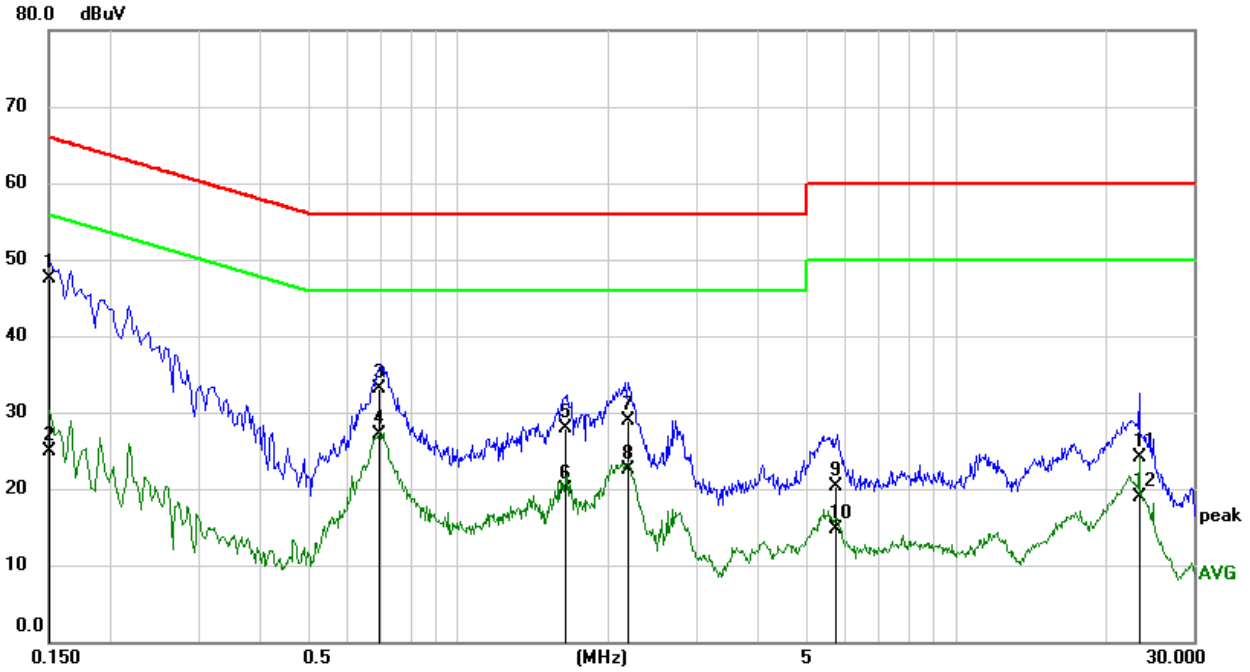
TEST ENVIRONMENT

Temperature	20.6 °C	Relative Humidity	62.1 %
Atmosphere Pressure	101 kPa	Test Voltage	AC 120 V/ 60 Hz

RESULTS

9.1.1. 802.11a 20 MODE

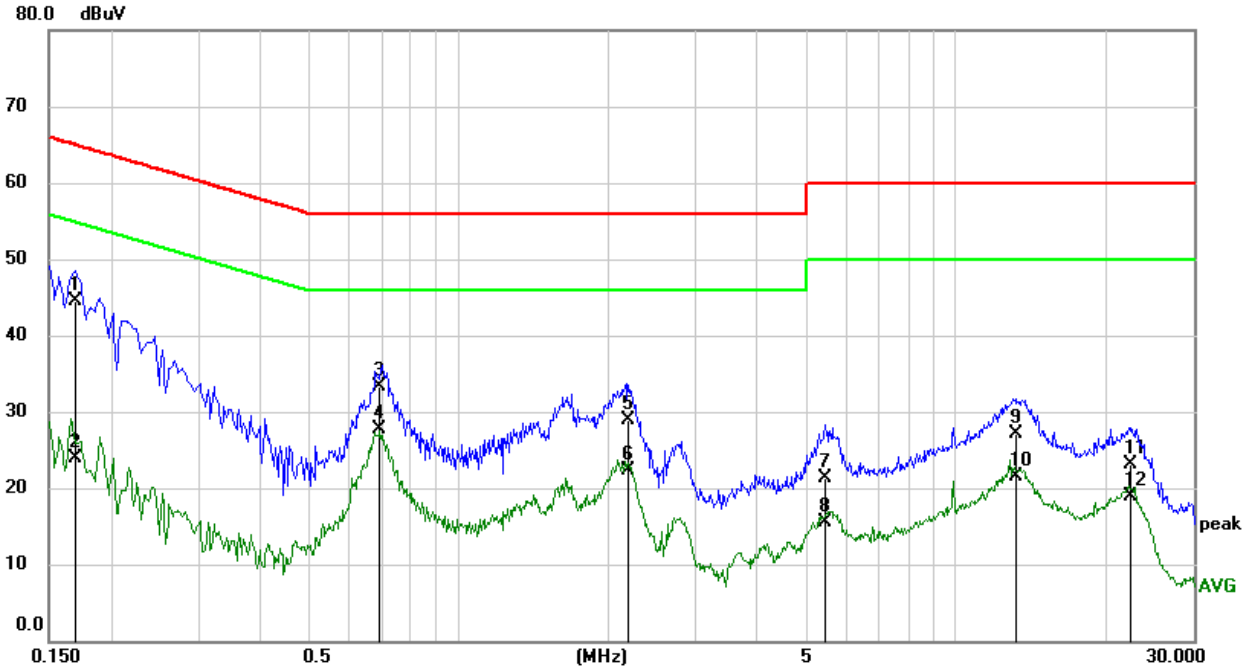
LINE N RESULTS (UNII-2C BAND MID CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1512	37.87	9.59	47.46	65.93	-18.47	QP
2	0.1512	15.29	9.59	24.88	55.93	-31.05	AVG
3	0.6914	23.46	9.59	33.05	56.00	-22.95	QP
4	0.6914	17.56	9.59	27.15	46.00	-18.85	AVG
5	1.6353	18.19	9.62	27.81	56.00	-28.19	QP
6	1.6353	10.25	9.62	19.87	46.00	-26.13	AVG
7	2.1895	19.36	9.63	28.99	56.00	-27.01	QP
8	2.1895	12.82	9.63	22.45	46.00	-23.55	AVG
9	5.7042	10.69	9.63	20.32	60.00	-39.68	QP
10	5.7042	5.10	9.63	14.73	50.00	-35.27	AVG
11	23.3340	14.35	9.72	24.07	60.00	-35.93	QP
12	23.3340	9.20	9.72	18.92	50.00	-31.08	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-2C BAND MID CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1701	35.03	9.53	44.56	64.96	-20.40	QP
2	0.1701	14.42	9.53	23.95	54.96	-31.01	AVG
3	0.6918	23.86	9.50	33.36	56.00	-22.64	QP
4	0.6918	18.17	9.50	27.67	46.00	-18.33	AVG
5	2.1822	19.23	9.63	28.86	56.00	-27.14	QP
6	2.1822	12.73	9.63	22.36	46.00	-23.64	AVG
7	5.4656	11.94	9.34	21.28	60.00	-38.72	QP
8	5.4656	6.20	9.34	15.54	50.00	-34.46	AVG
9	13.1228	17.41	9.66	27.07	60.00	-32.93	QP
10	13.1228	11.81	9.66	21.47	50.00	-28.53	AVG
11	22.4545	13.42	9.76	23.18	60.00	-36.82	QP
12	22.4545	9.22	9.76	18.98	50.00	-31.02	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 ~ 70 °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.

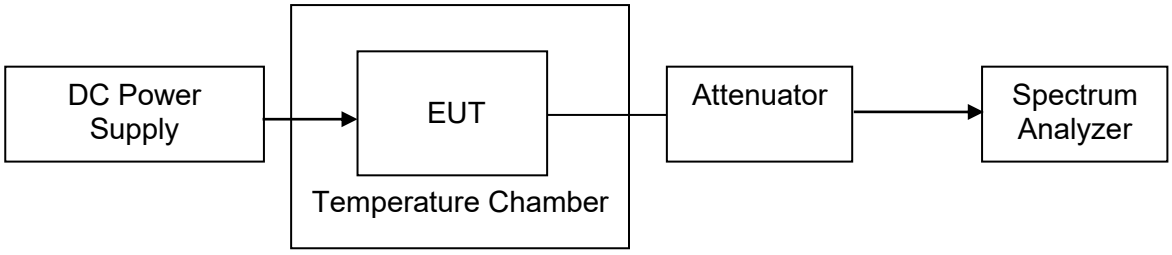
Connect the EUT to the spectrum analyser and use the following settings:

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



TEST ENVIRONMENT

	Normal Test Conditions	Extreme Test Conditions
Relative Humidity	20 % - 75 %	/
Atmospheric Pressure	100 kPa ~102 kPa	/
Temperature	T_N (Normal Temperature): 25.1 °C	T_L (Low Temperature): 0 °C
		T_H (High Temperature): 70 °C
Supply Voltage	V_N (Normal Voltage): AC 120 V	V_L (Low Voltage): AC 102 V
		V_H (High Voltage): DC 138 V

Note: A test jig has been used to apply voltage variation to device while maintaining functionalities of the device based on C63.10 Clause 5.13 d.

RESULTS

Please refer to Appendix F.

11. DYNAMIC FREQUENCY SELECTION

APPLICABILITY OF DFS REQUIREMENTS

A U-NII network will employ a DFS function to detect signals from radar systems and to avoid co-channel operation with these systems. This applies to the 5250-5350 MHz and/or 5470-5725 MHz bands.
Within the context of the operation of the DFS function, a U-NII device will operate in either Master Mode or Client Mode. U-NII devices operating in Client Mode can only operate in a network controlled by a U-NII device operating in Master Mode.

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	☐ Master	☒ Client Without Radar Detection	☐ Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	☐ Master Device or Client with Radar Detection	☒ Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

LIMITS

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

PARAMETERS OF RADAR TEST WAVEFORMS

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

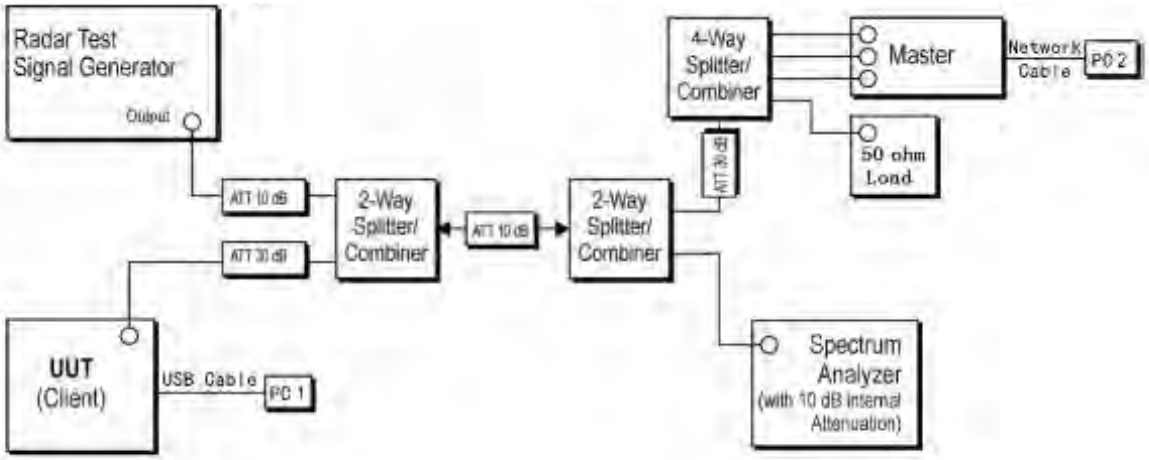
Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A	Roundup $\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{PRI_{\mu sec}}\right)\right\}$	60%	30
		Test B			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.
Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a
Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4.

TEST SETUP

Setup for Client with injection at the Master



TEST ENVIRONMENT

Temperature	26.6 °C	Relative Humidity	62.6 %
Atmosphere Pressure	101 kPa	Test Voltage	3.3 VDC

RESULTS

Please refer to Appendix E.

12. 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 §15.247(b)(4)
The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RESULTS

Complies

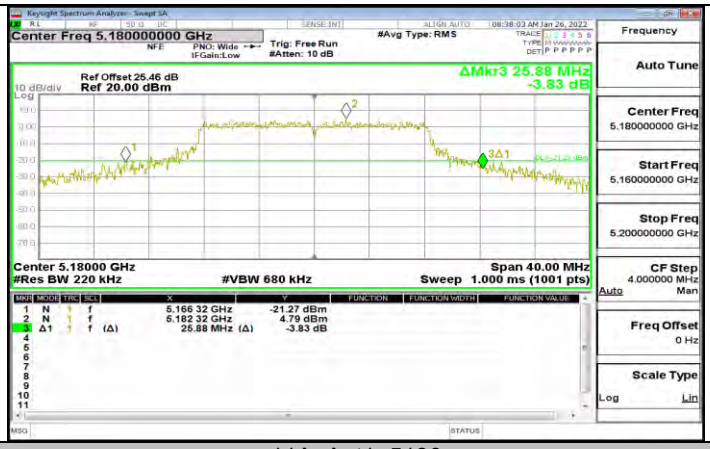
13. Appendix

13.1. Appendix A1: Emission Bandwidth

13.1.1. Test Result

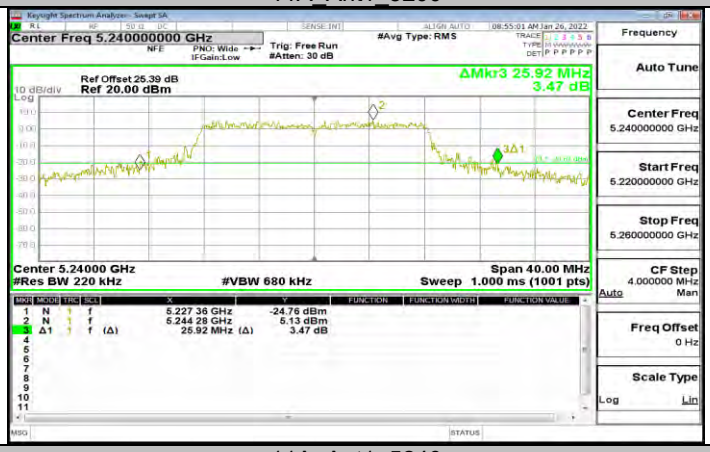
Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant1	5180	25.880	5166.320	5192.200	PASS
		5200	25.040	5187.400	5212.440	PASS
		5240	25.920	5227.360	5253.280	PASS
		5260	25.080	5248.120	5273.200	PASS
		5280	26.720	5266.760	5293.480	PASS
		5320	25.160	5307.320	5332.480	PASS
		5500	25.280	5487.040	5512.320	PASS
		5580	26.200	5567.320	5593.520	PASS
		5700	25.560	5686.840	5712.400	PASS
		5720	26.520	5706.520	5733.040	PASS
		5720_UNII-2C	18.48	5706.520	5725	PASS
		5720_UNII-3	8.04	5725	5733.040	PASS
		5745	26.520	5732.160	5758.680	PASS
		5785	26.120	5771.760	5797.880	PASS
		5825	26.280	5811.600	5837.880	PASS
11N20SISO	Ant1	5180	27.840	5166.160	5194.000	PASS
		5200	26.040	5187.880	5213.920	PASS
		5240	27.240	5227.200	5254.440	PASS
		5260	26.800	5247.120	5273.920	PASS
		5280	26.680	5266.640	5293.320	PASS
		5320	26.920	5305.760	5332.680	PASS
		5500	26.480	5487.440	5513.920	PASS
		5580	26.920	5566.560	5593.480	PASS
		5700	26.480	5687.320	5713.800	PASS
		5720	26.160	5706.040	5732.200	PASS
		5720_UNII-2C	18.96	5706.040	5725	PASS
		5720_UNII-3	7.2	5725	5732.200	PASS
		5745	26.920	5731.560	5758.480	PASS
		5785	26.520	5772.320	5798.840	PASS
		5825	26.240	5811.480	5837.720	PASS
11N40SISO	Ant1	5190	49.840	5164.080	5213.920	PASS
		5230	50.480	5205.920	5256.400	PASS
		5270	49.520	5244.880	5294.400	PASS
		5310	49.520	5284.800	5334.320	PASS
		5510	50.080	5484.080	5534.160	PASS
		5550	50.000	5524.240	5574.240	PASS
		5670	49.520	5645.040	5694.560	PASS
		5710	50.480	5683.120	5733.600	PASS
		5710_UNII-2C	41.88	5683.120	5725	PASS
		5710_UNII-3	8.6	5725	5733.600	PASS
		5755	50.000	5730.120	5780.120	PASS
		5795	49.760	5770.040	5819.800	PASS
11AC80SISO	Ant1	5210	81.280	5169.520	5250.800	PASS
		5290	81.760	5248.880	5330.640	PASS
		5530	81.440	5489.040	5570.480	PASS
		5610	81.600	5569.520	5651.120	PASS
		5690	81.120	5649.680	5730.800	PASS
		5690_UNII-2C	75.32	5649.680	5725	PASS
		5690_UNII-3	5.8	5725	5730.800	PASS
		5775	81.440	5734.360	5815.800	PASS

13.1.2. Test Graphs



11A_Ant1_5180

11A_Ant1_5200



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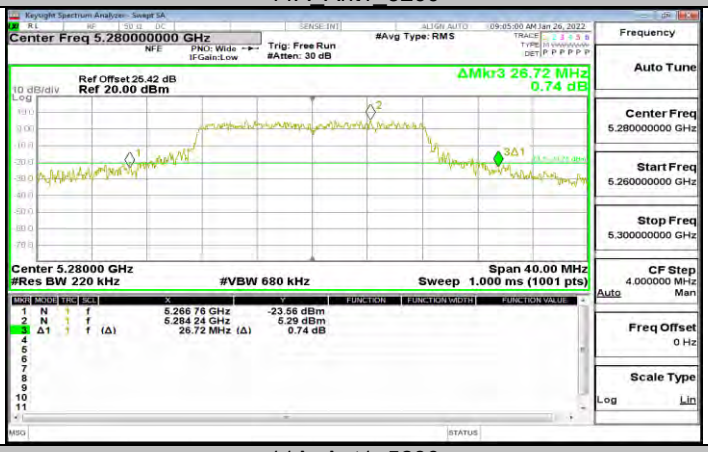
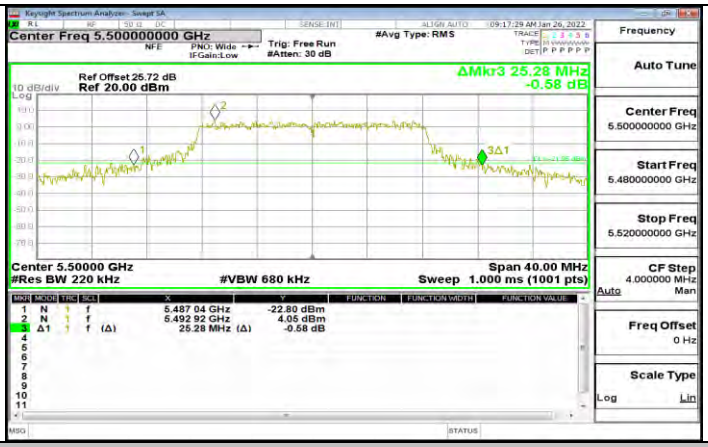
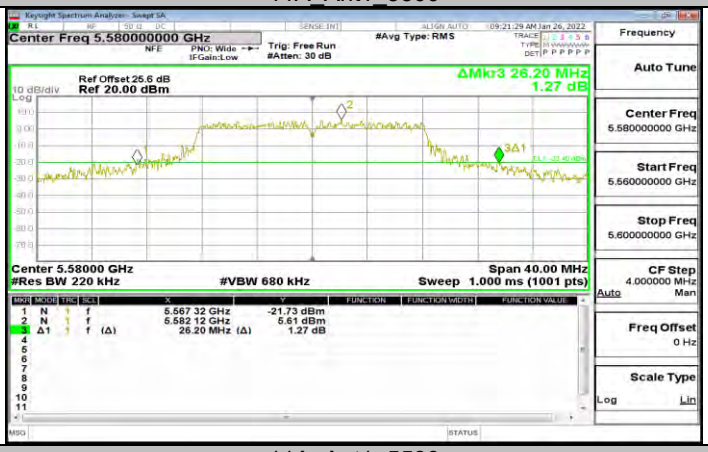


11A_Ant1_5280

11A_Ant1_5320



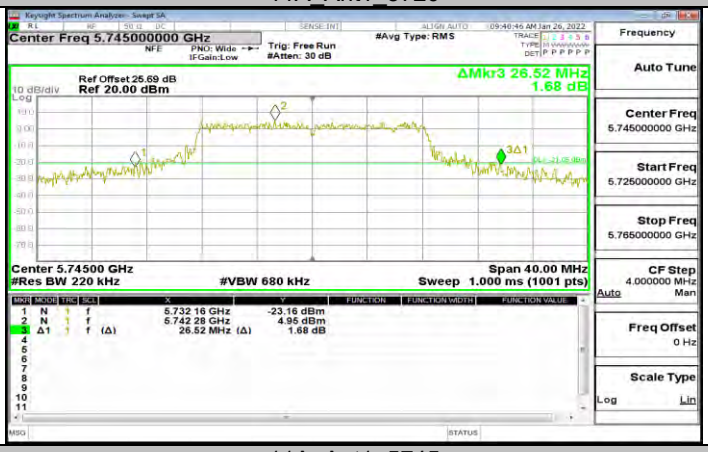
11A_Ant1_5500



11A_Ant1_5580

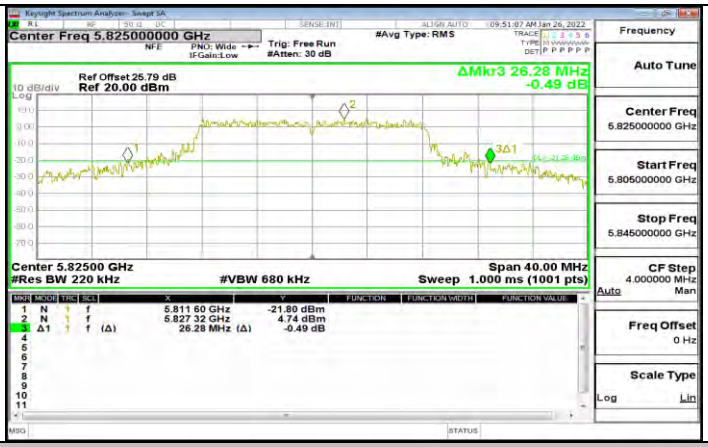
11A_Ant1_5700

11A_Ant1_5720



11A_Ant1_5745

11A_Ant1_5785



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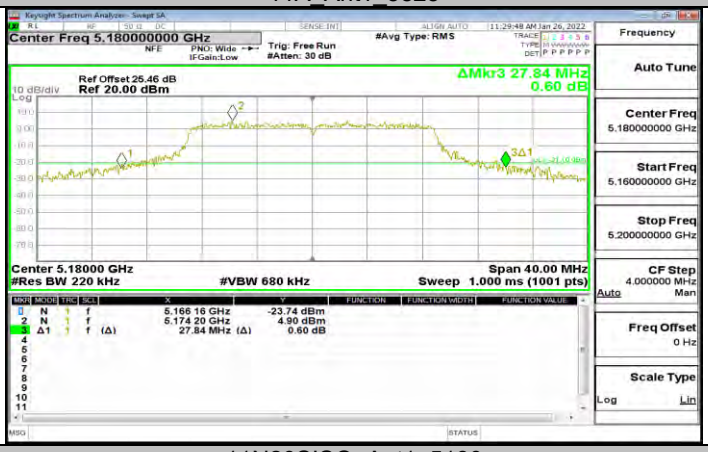
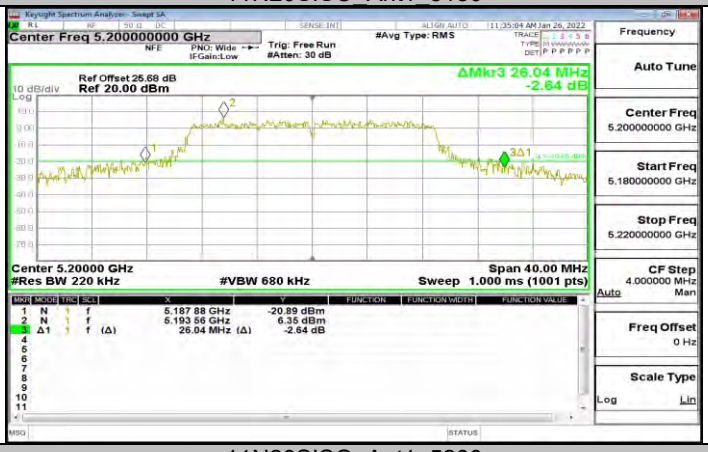


11N20SISO_Ant1_5180



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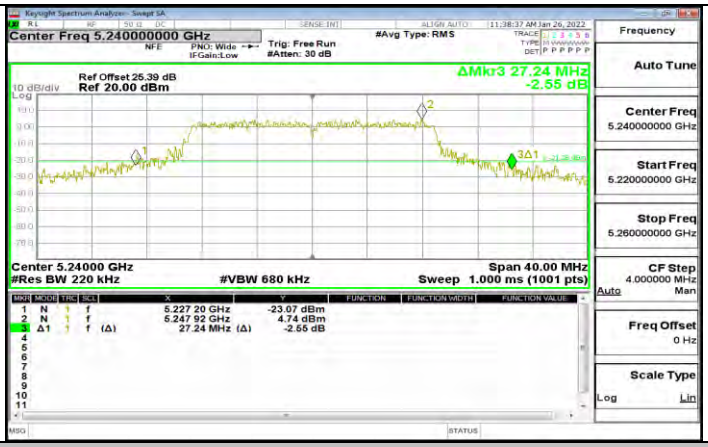

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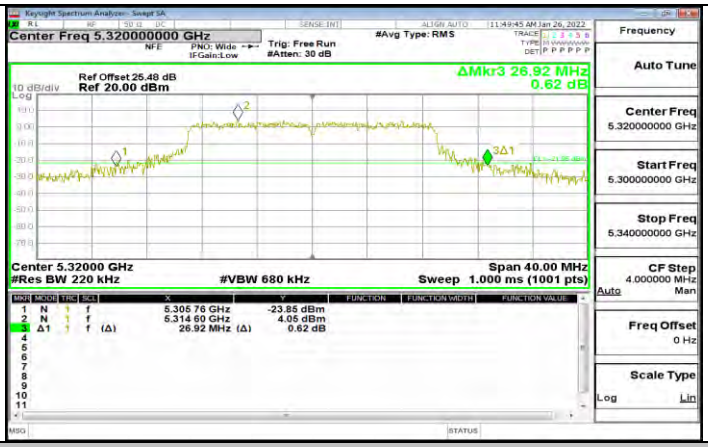
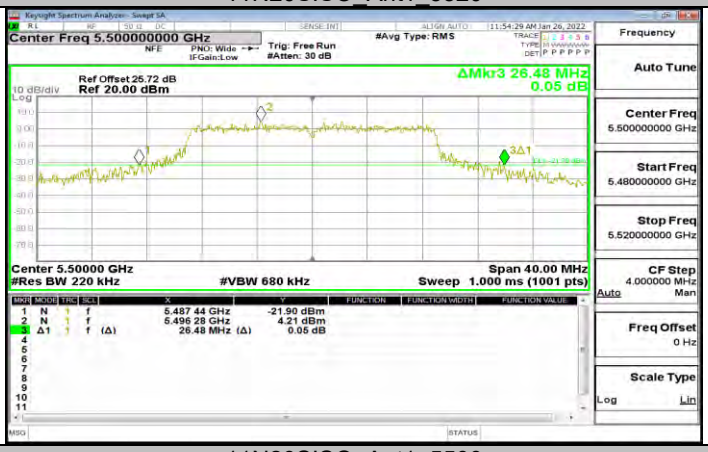
11N20SISO_Ant1_5260

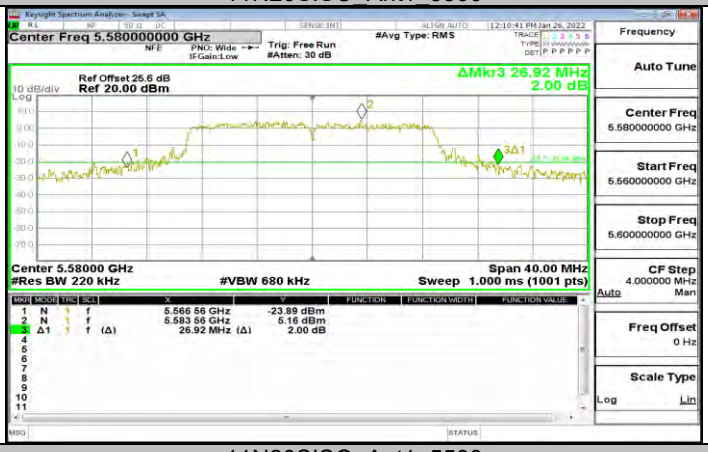
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320

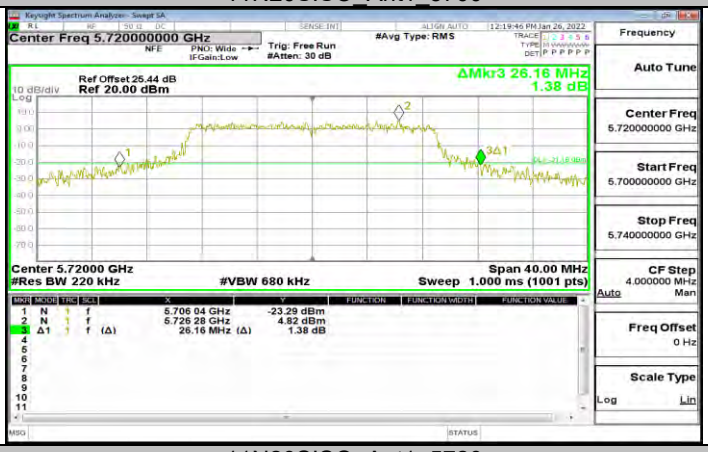


11N20SISO_Ant1_5500



11N20SISO_Ant1_5580

11N20SISO_Ant1_5700



11N20SISO_Ant1_5720

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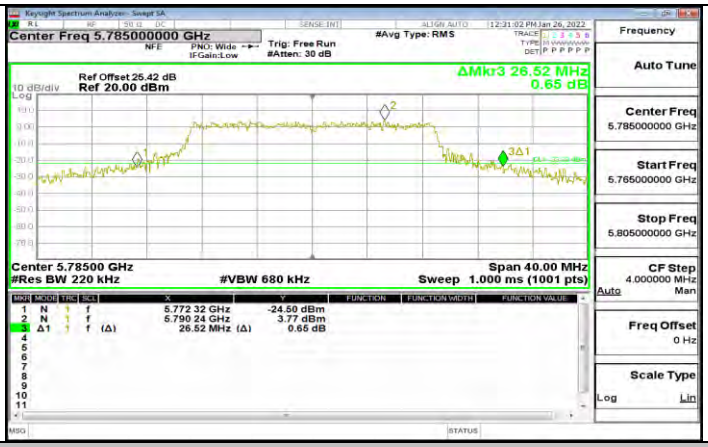

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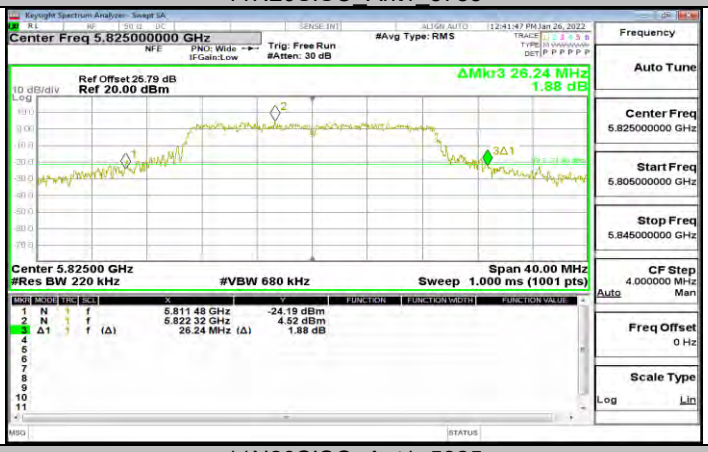

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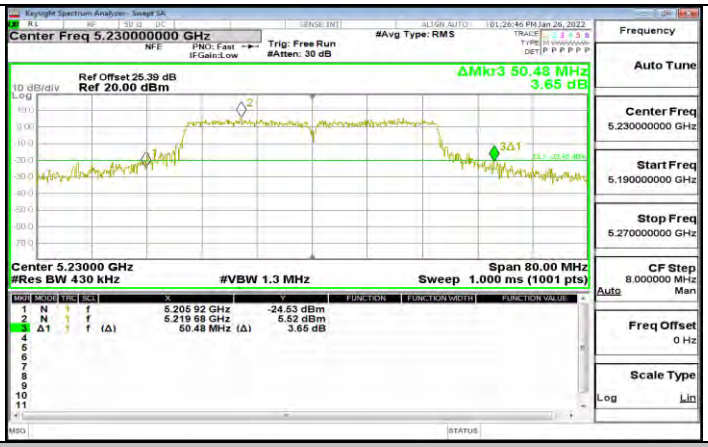

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11N40SISO_Ant1_5270

11N40SISO_Ant1_5310

11N40SISO_Ant1_5510

11N40SISO_Ant1_5550

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11N40SISO_Ant1_5710

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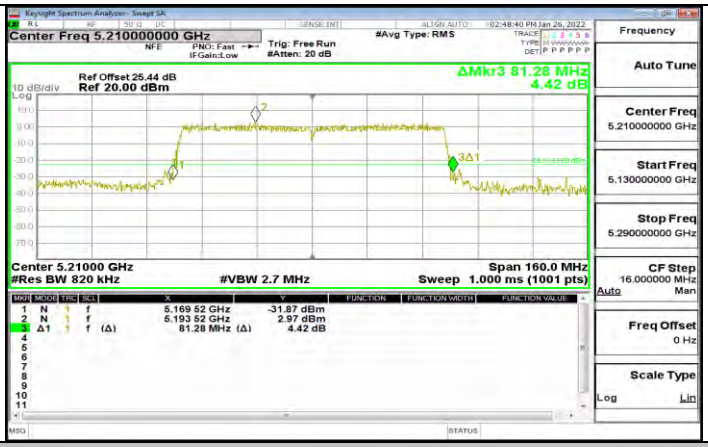

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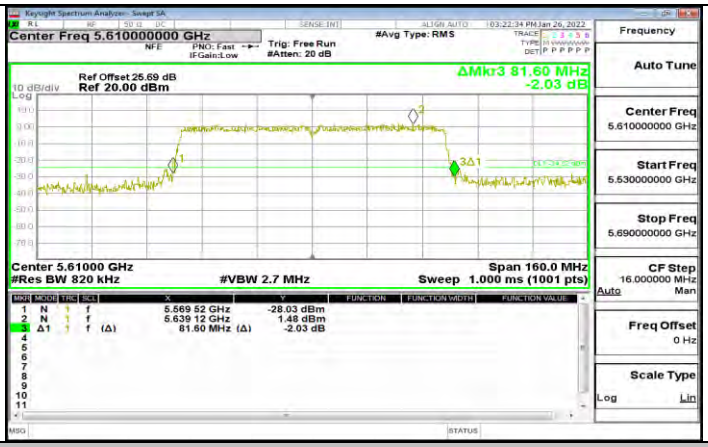

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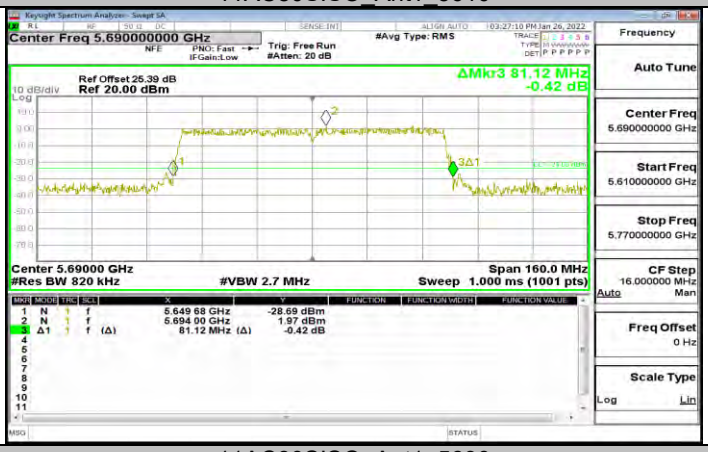


11AC80SISO_Ant1_5690

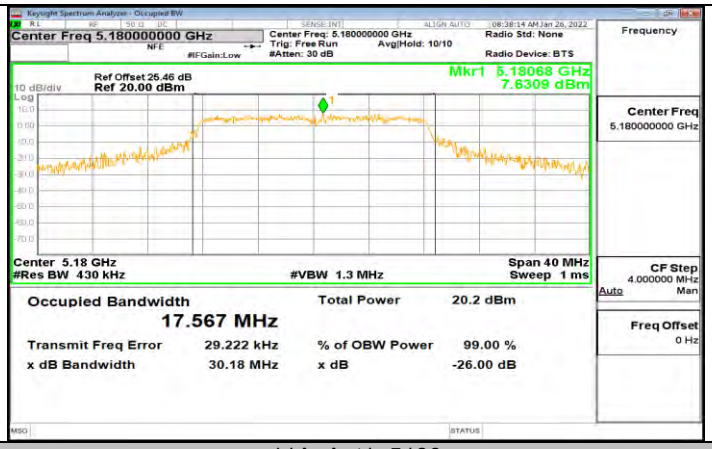
11AC80SISO_Ant1_5775

13.2. Appendix A2: Occupied Channel Bandwidth

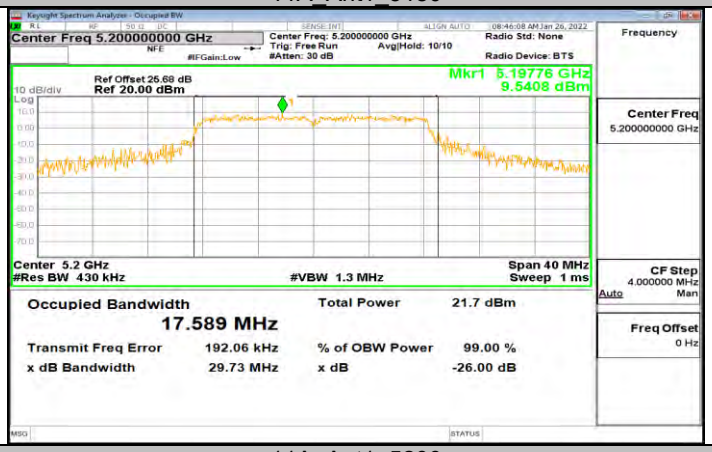
13.2.1. Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A	Ant1	5180	17.567	5171.246	5188.813	PASS
		5200	17.589	5191.398	5208.987	PASS
		5240	17.405	5231.249	5248.654	PASS
		5260	17.546	5251.233	5268.779	PASS
		5280	17.291	5271.308	5288.599	PASS
		5320	17.286	5311.417	5328.703	PASS
		5500	17.475	5491.178	5508.653	PASS
		5580	17.440	5571.289	5588.729	PASS
		5700	17.406	5691.267	5708.673	PASS
		5720	17.295	5711.326	5728.621	PASS
		5720_UNII-2C	13.674	5711.326	5725	PASS
		5720_UNII-3	3.621	5725	5728.621	PASS
		5745	17.314	5736.361	5753.675	PASS
		5785	17.245	5776.292	5793.537	PASS
		5825	17.404	5816.324	5833.728	PASS
11N20SISO	Ant1	5180	18.595	5170.693	5189.288	PASS
		5200	18.667	5190.702	5209.369	PASS
		5240	18.449	5230.695	5249.144	PASS
		5260	18.407	5250.887	5269.294	PASS
		5280	18.453	5270.782	5289.235	PASS
		5320	18.535	5310.665	5329.200	PASS
		5500	18.413	5490.750	5509.163	PASS
		5580	18.553	5570.702	5589.255	PASS
		5700	18.436	5690.852	5709.288	PASS
		5720	18.434	5710.787	5729.221	PASS
		5720_UNII-2C	14.213	5710.787	5725	PASS
		5720_UNII-3	4.221	5725	5729.221	PASS
		5745	18.551	5735.709	5754.260	PASS
		5785	18.465	5775.727	5794.192	PASS
		5825	18.528	5815.749	5834.277	PASS
11N40SISO	Ant1	5190	37.078	5171.558	5208.636	PASS
		5230	37.011	5211.452	5248.463	PASS
		5270	37.321	5251.326	5288.647	PASS
		5310	37.265	5291.299	5328.564	PASS
		5510	37.342	5491.293	5528.635	PASS
		5550	37.505	5531.194	5568.699	PASS
		5670	37.192	5651.548	5688.740	PASS
		5710	37.084	5691.437	5728.521	PASS
		5710_UNII-2C	33.563	5691.437	5725	PASS
		5710_UNII-3	3.521	5725	5728.521	PASS
		5755	37.427	5736.262	5773.689	PASS
		5795	37.308	5776.480	5813.788	PASS
11AC80SISO	Ant1	5210	76.535	5171.885	5248.420	PASS
		5290	76.673	5251.692	5328.365	PASS
		5530	76.721	5491.797	5568.518	PASS
		5610	76.529	5571.892	5648.421	PASS
		5690	76.363	5651.957	5728.320	PASS
		5690_UNII-2C	73.043	5651.957	5725	PASS
		5690_UNII-3	3.32	5725	5728.320	PASS
		5775	76.528	5736.912	5813.440	PASS

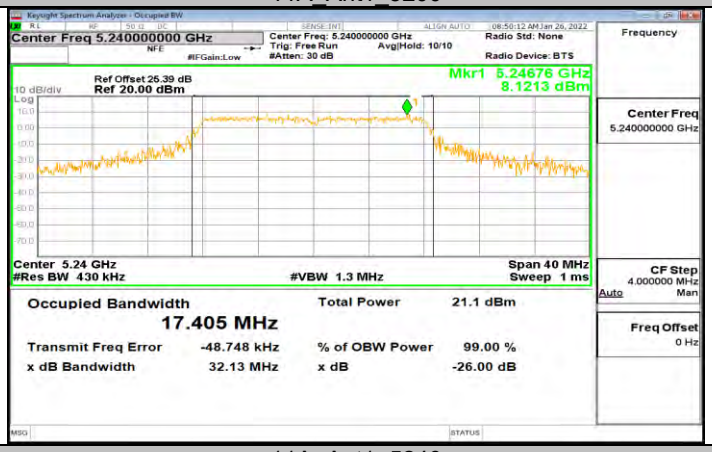
13.2.2. Test Graphs



11A_Ant1_5180



11A_Ant1_5200



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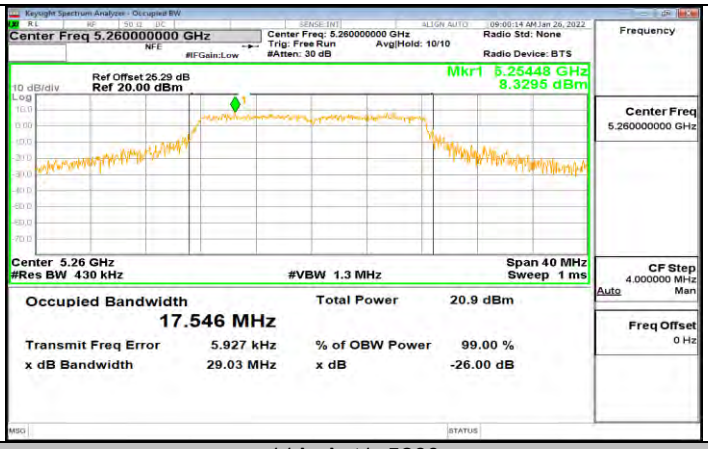
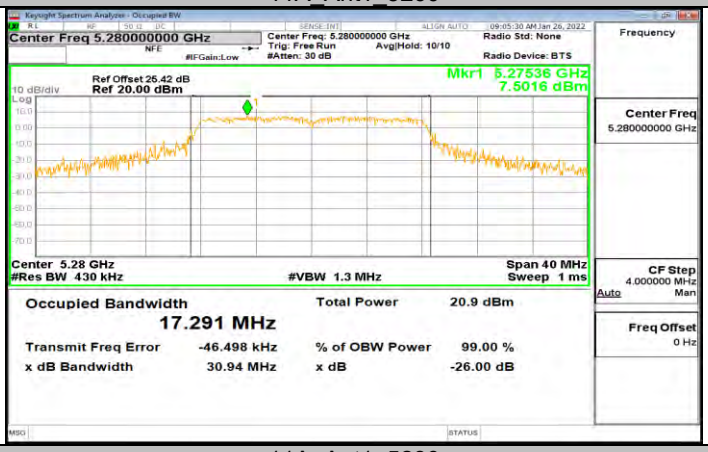
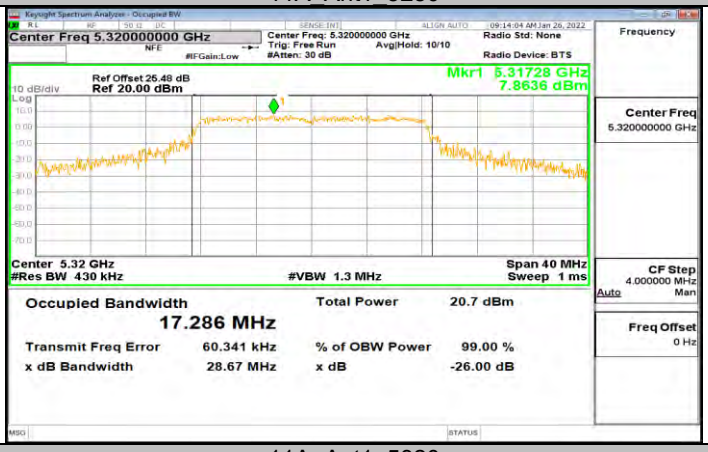


11A_Ant1_5260



11A_Ant1_5280



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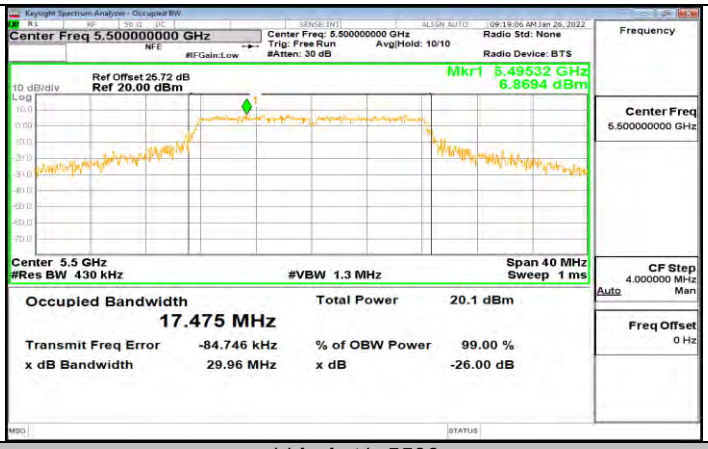

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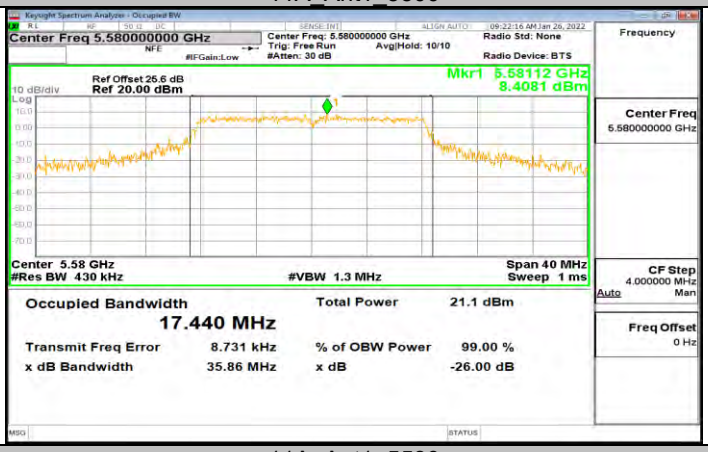

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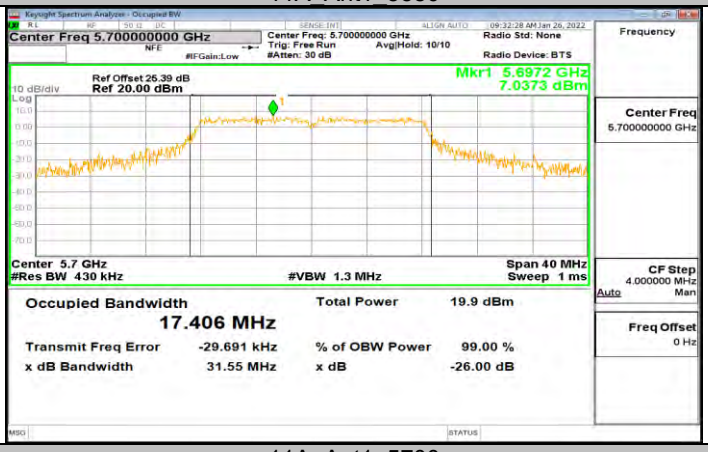

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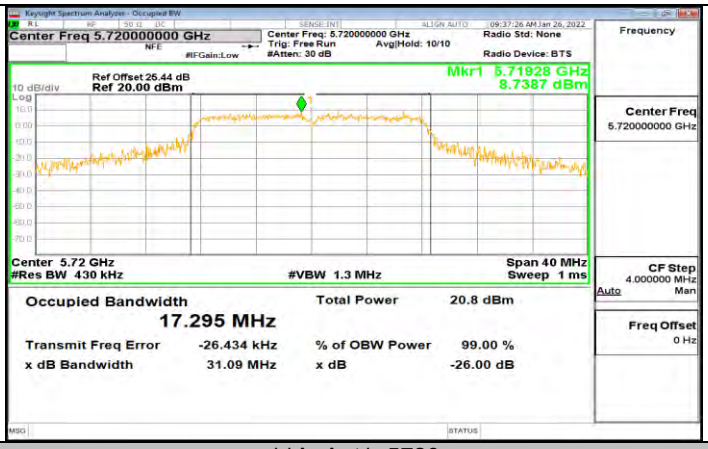

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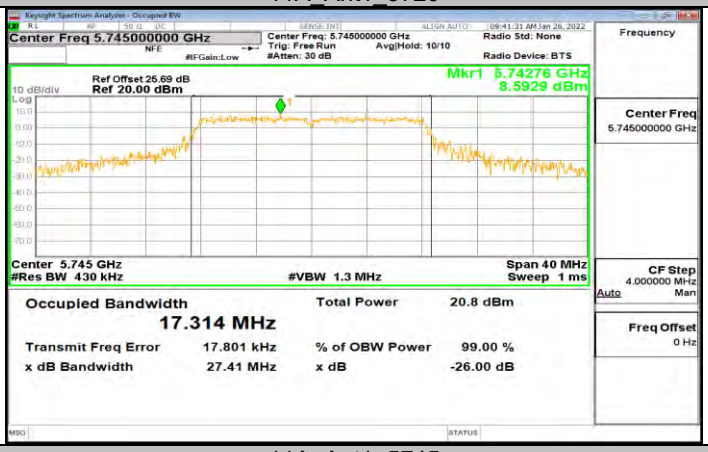

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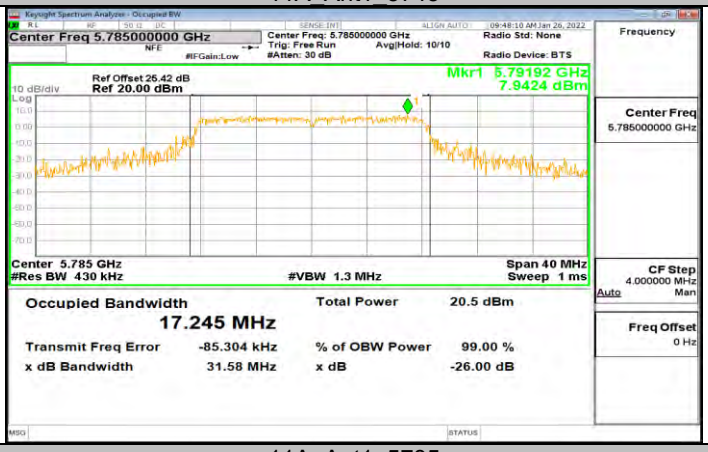

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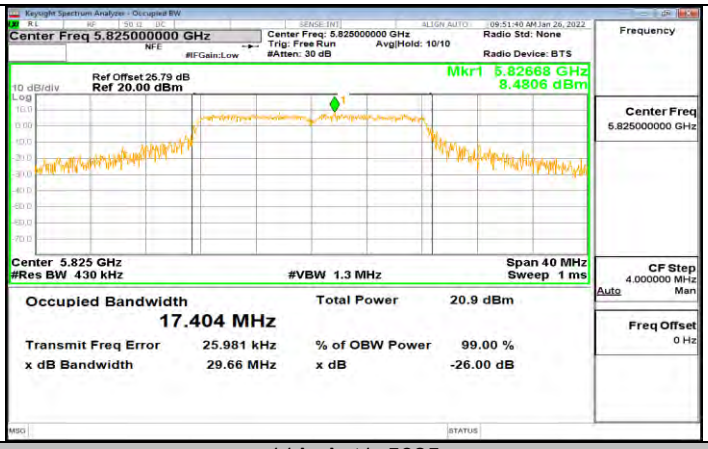

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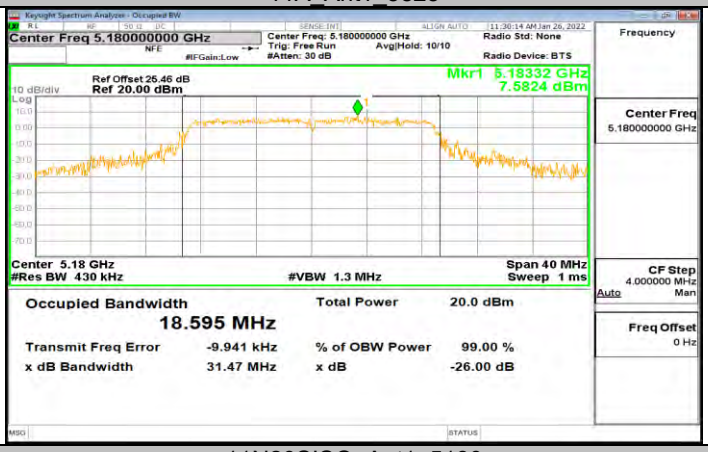

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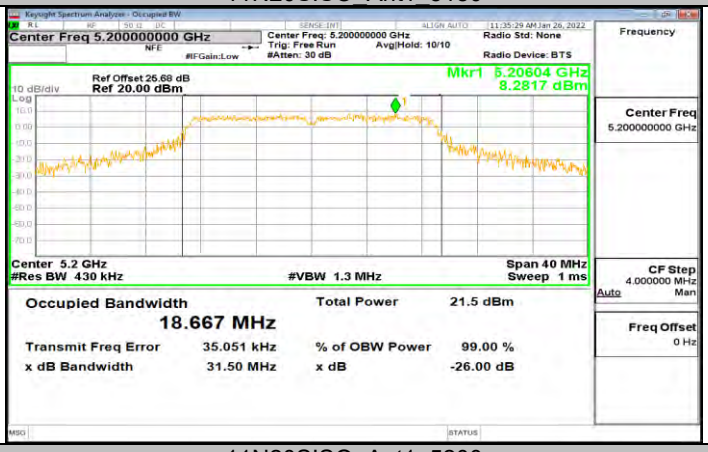

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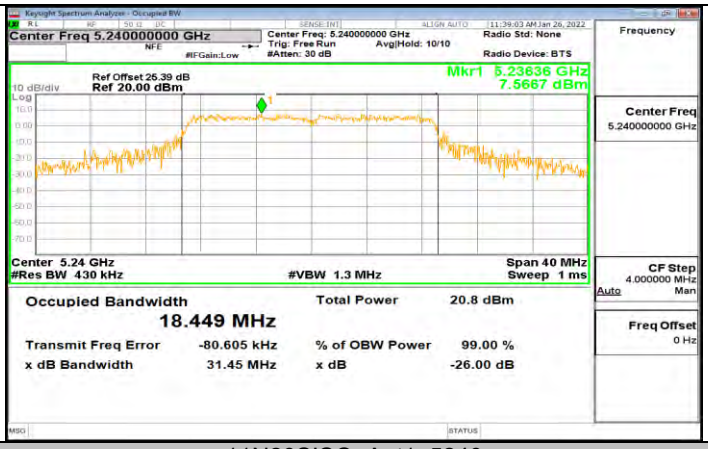

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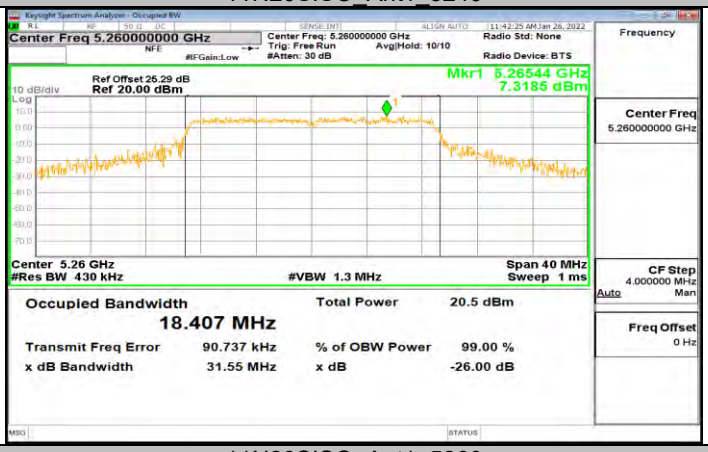

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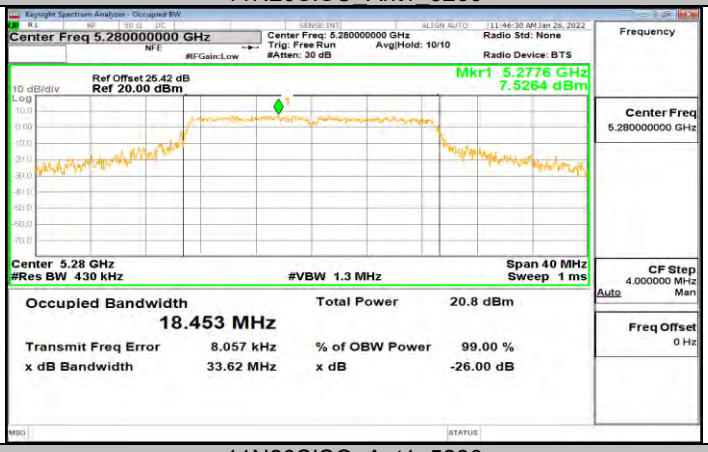

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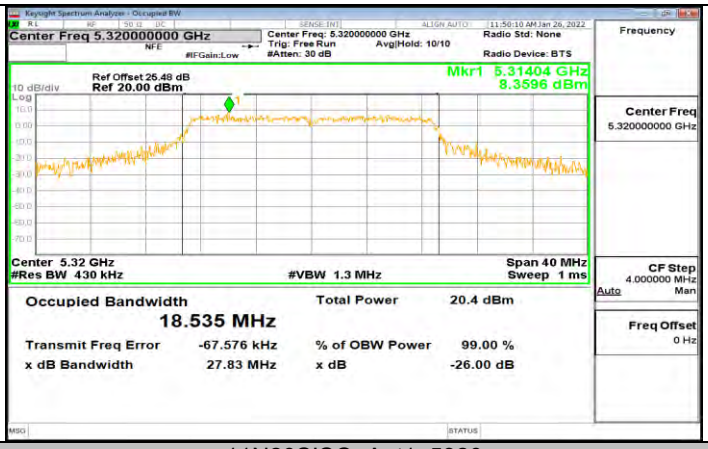

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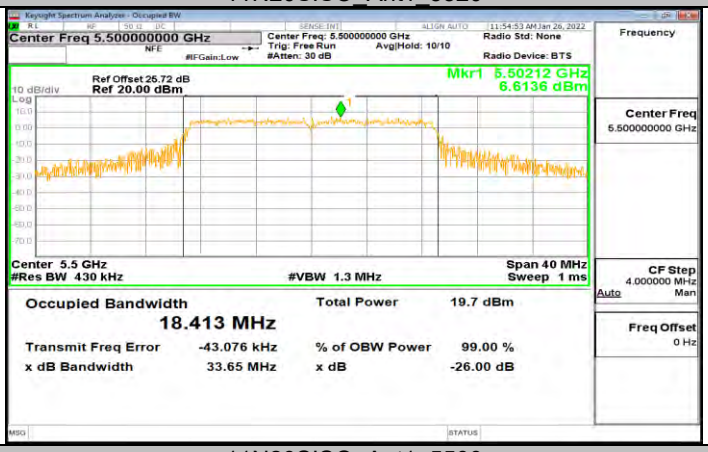

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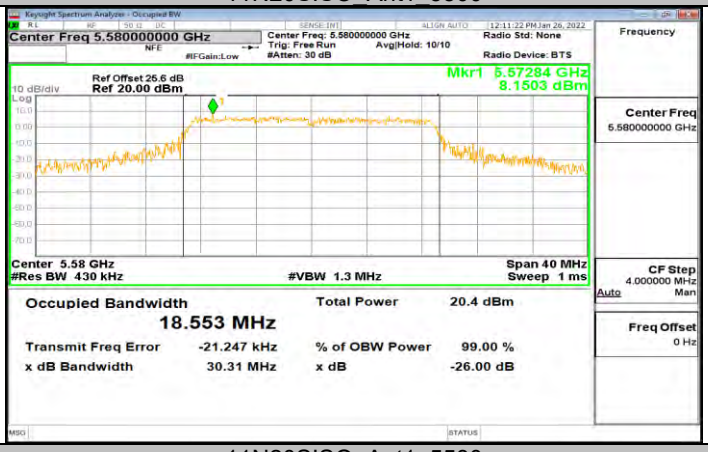

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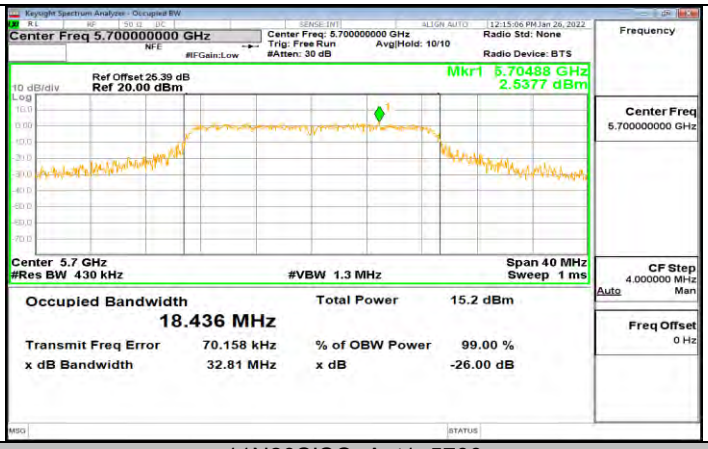

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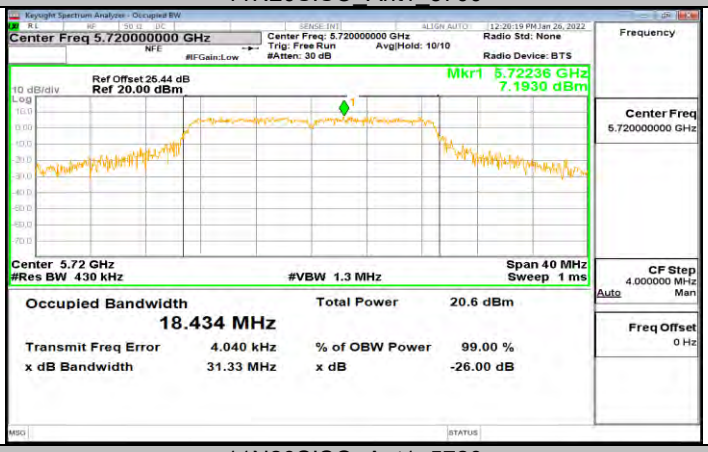

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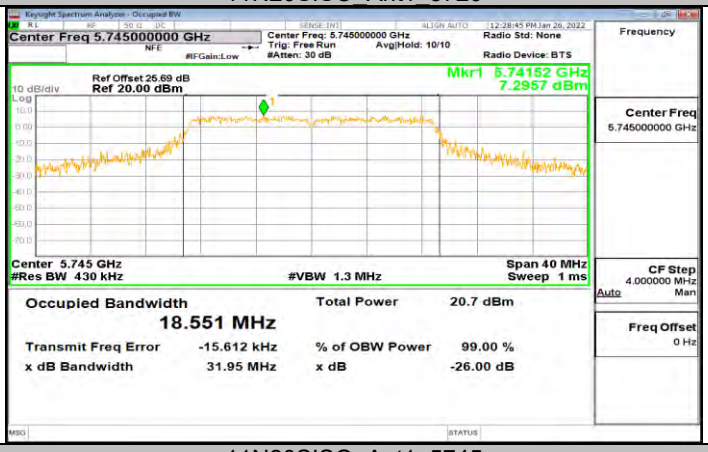

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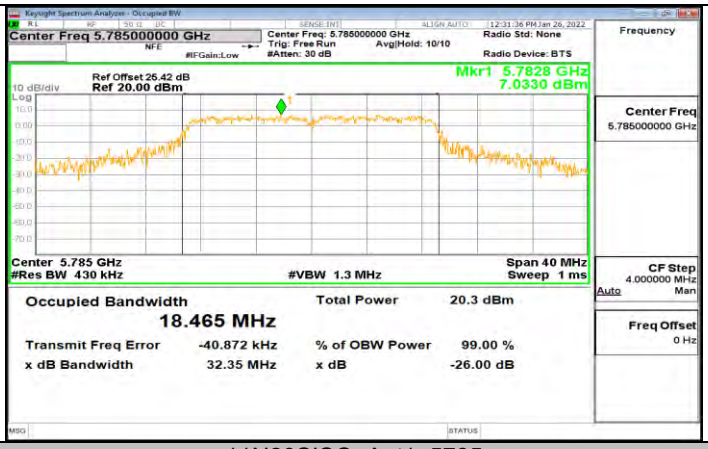

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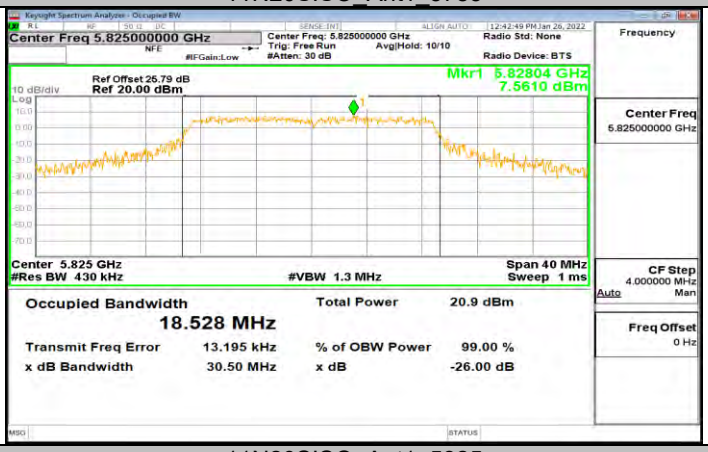

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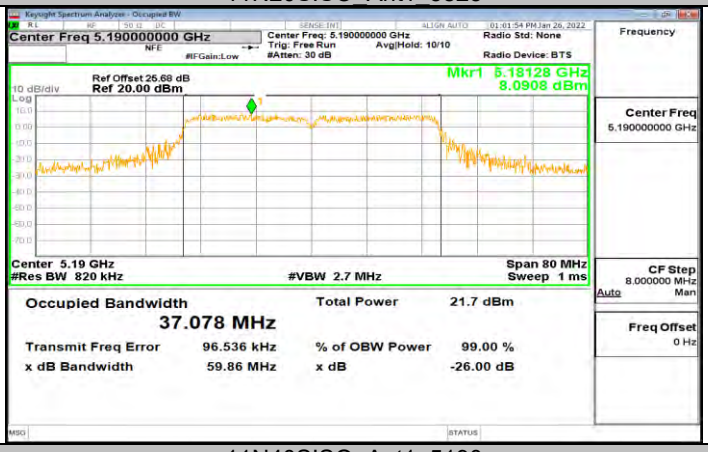

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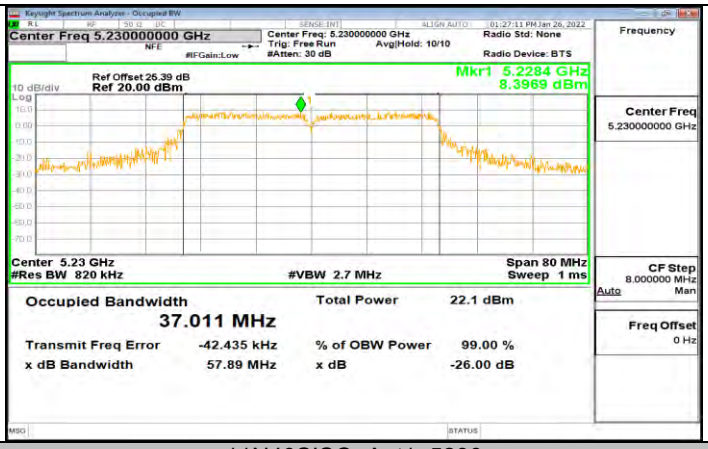

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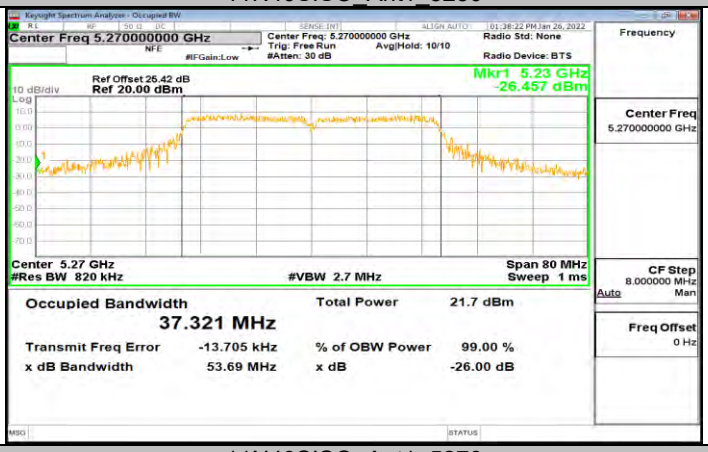

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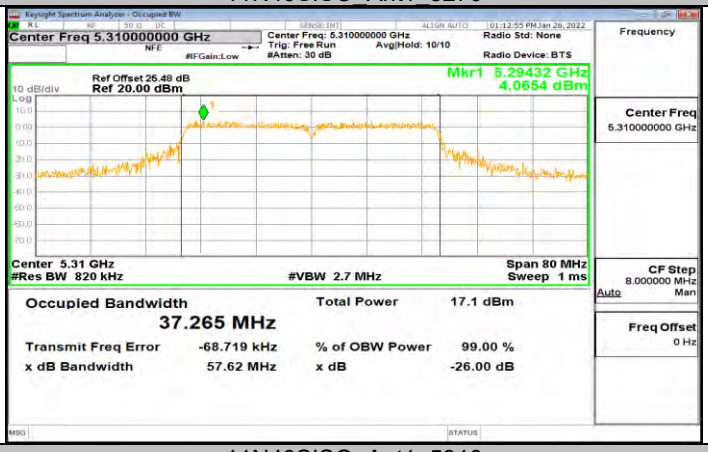

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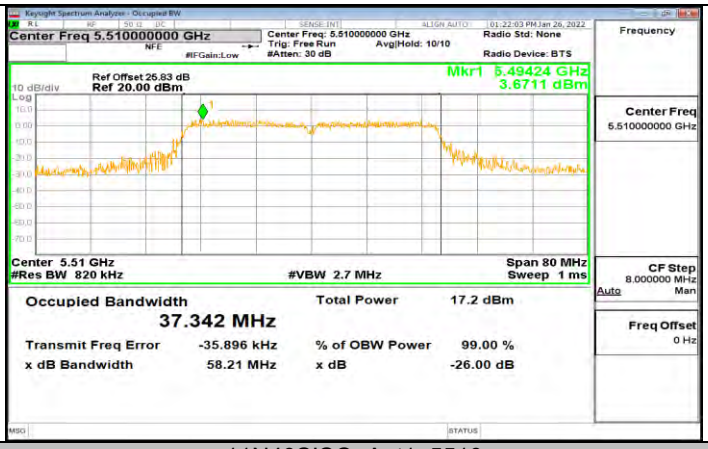

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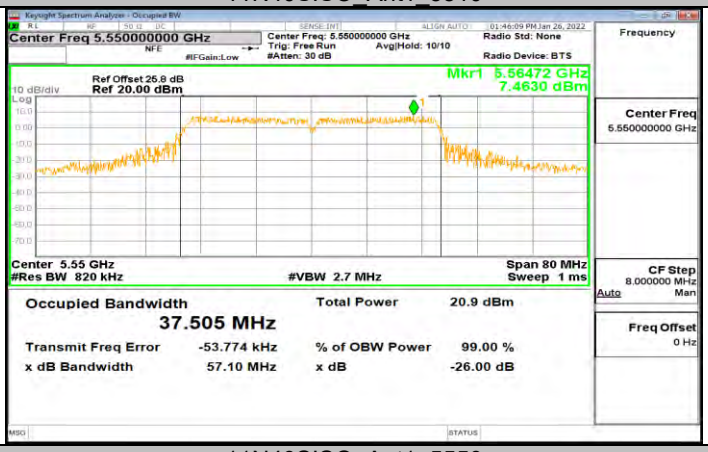
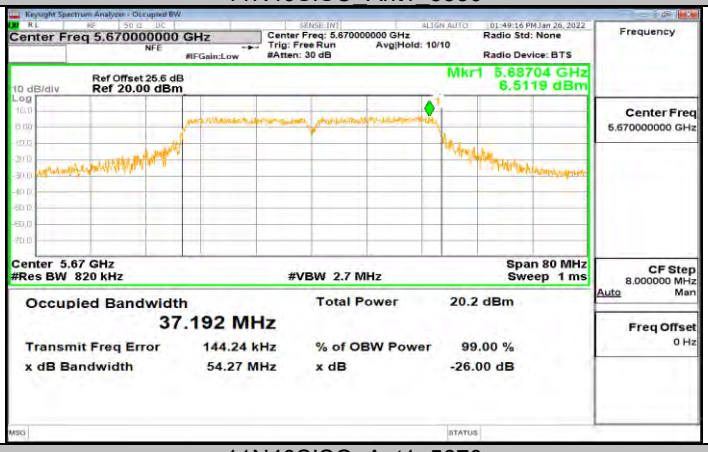
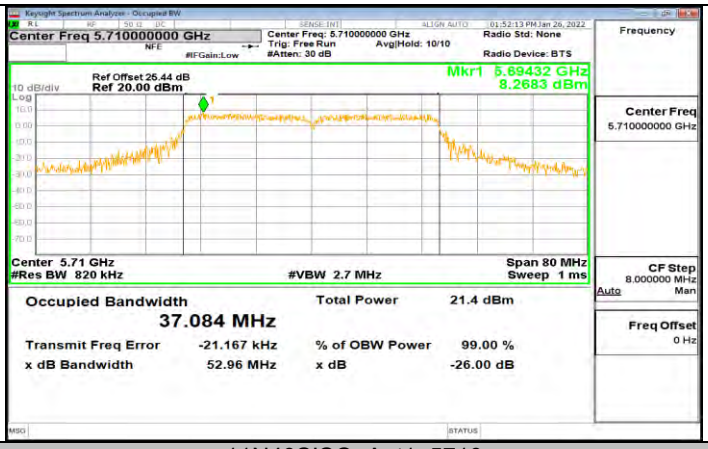


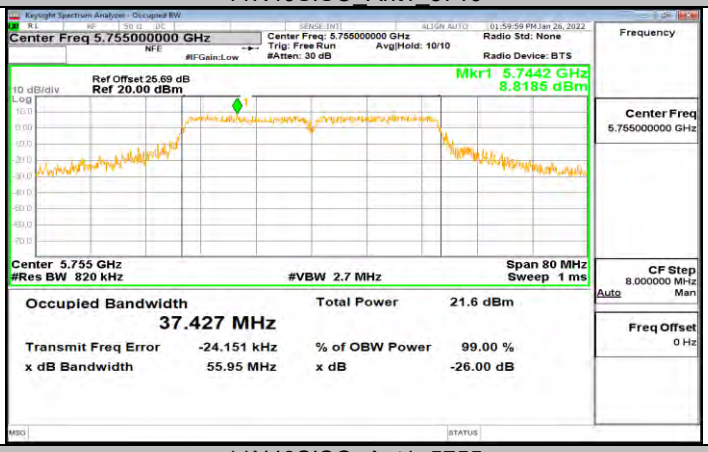
11N40SISO_Ant1_5550



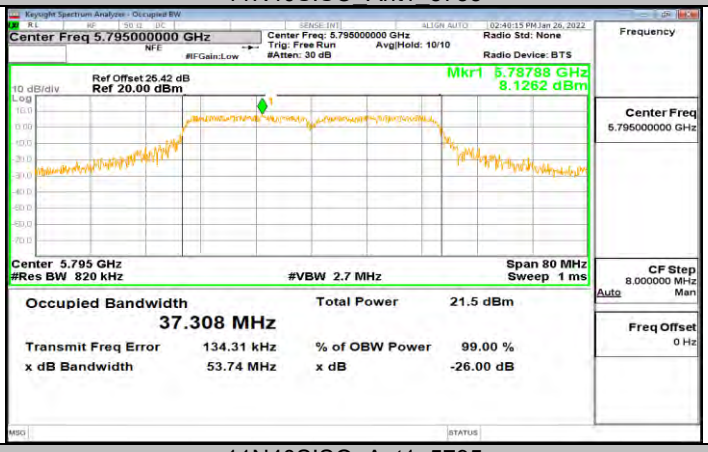
11N40SISO_Ant1_5670



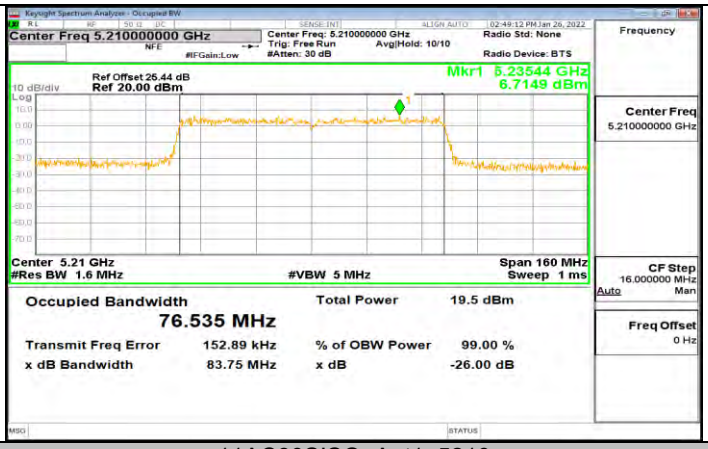
11N40SISO_Ant1_5710



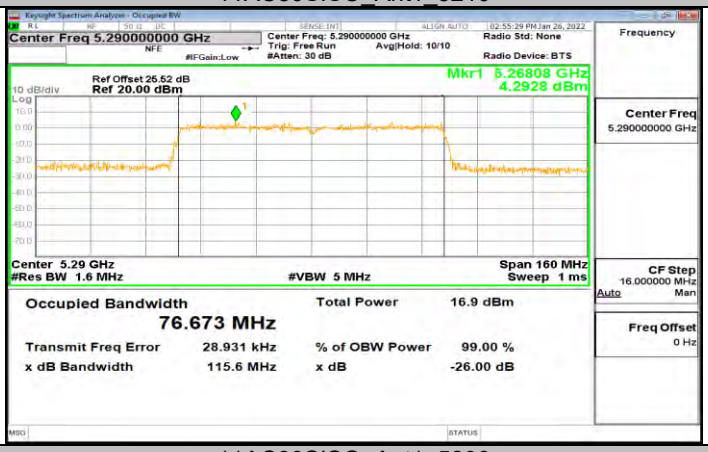
11N40SISO_Ant1_5755



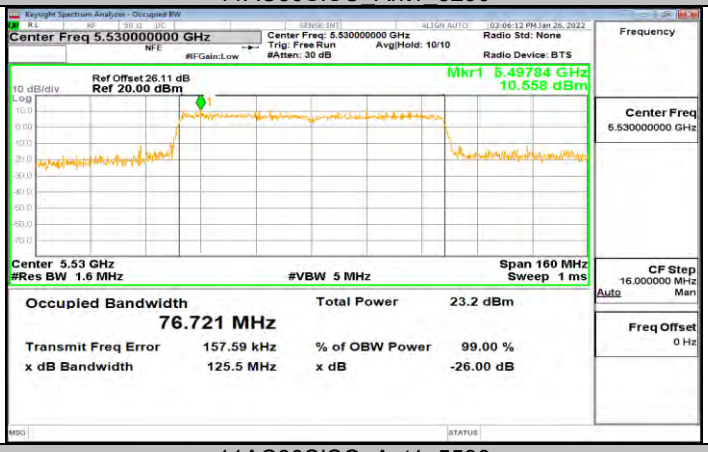
11N40SISO_Ant1_5795



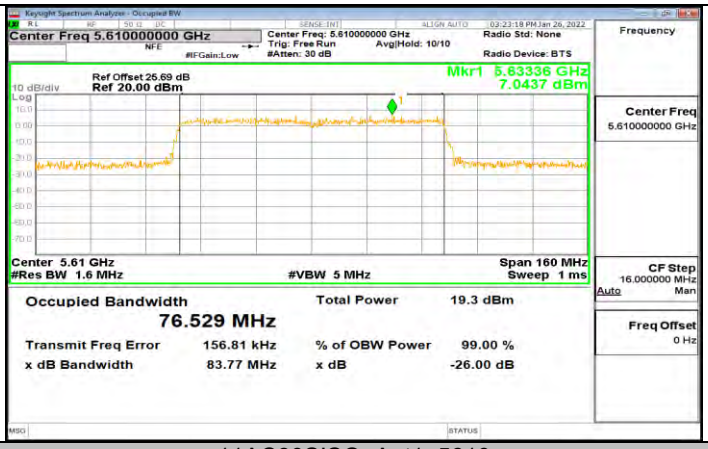
11AC80SISO_Ant1_5210



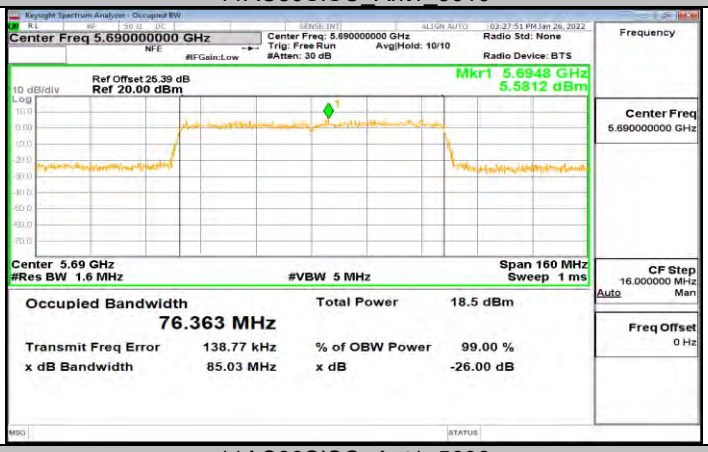
11AC80SISO_Ant1_5290



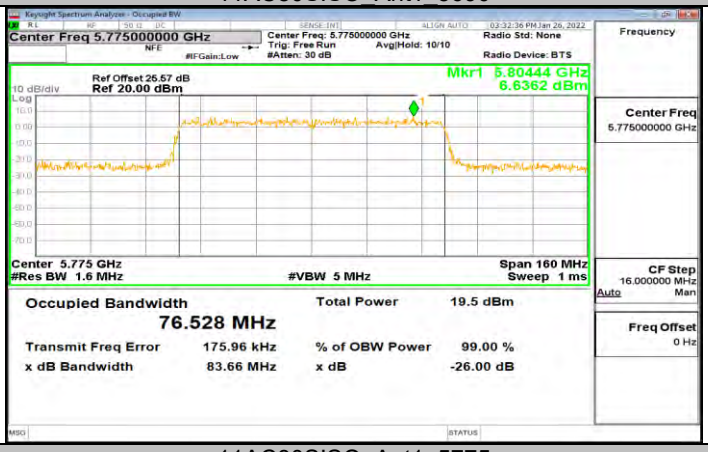
11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AC80SISO_Ant1_5690



11AC80SISO_Ant1_5775

13.3. Appendix A3: Min Emission Bandwidth

13.3.1. Test Result

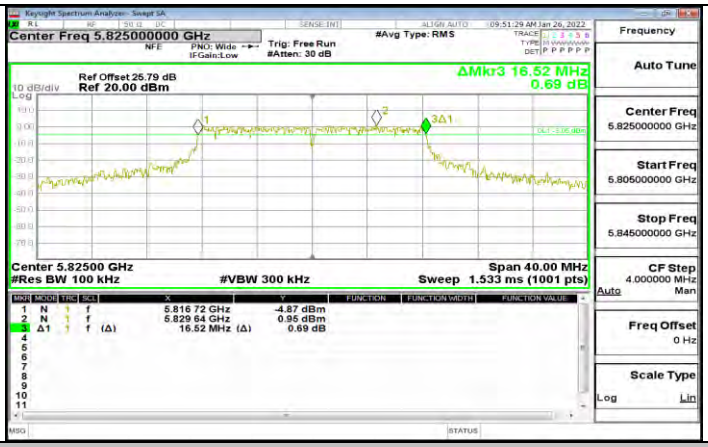
Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5720_UNII-3	3.28	5725	5728.280	0.5	PASS
		5745	16.480	5736.720	5753.200	0.5	PASS
		5785	16.560	5776.720	5793.280	0.5	PASS
		5825	16.520	5816.720	5833.240	0.5	PASS
11N20SISO	Ant1	5720_UNII-3	3.92	5725	5728.920	0.5	PASS
		5745	17.560	5736.240	5753.800	0.5	PASS
		5785	17.760	5776.120	5793.880	0.5	PASS
		5825	17.760	5816.120	5833.880	0.5	PASS
11N40SISO	Ant1	5710_UNII-3	3.16	5725	5728.160	0.5	PASS
		5755	36.400	5736.840	5773.240	0.5	PASS
		5795	36.560	5776.760	5813.320	0.5	PASS
11AC80SISO	Ant1	5690_UNII-3	3.24	5725	5728.240	0.5	PASS
		5775	76.160	5736.920	5813.080	0.5	PASS

13.3.2. Test Graphs

11A_Ant1_5720_UNII-3

11A_Ant1_5745

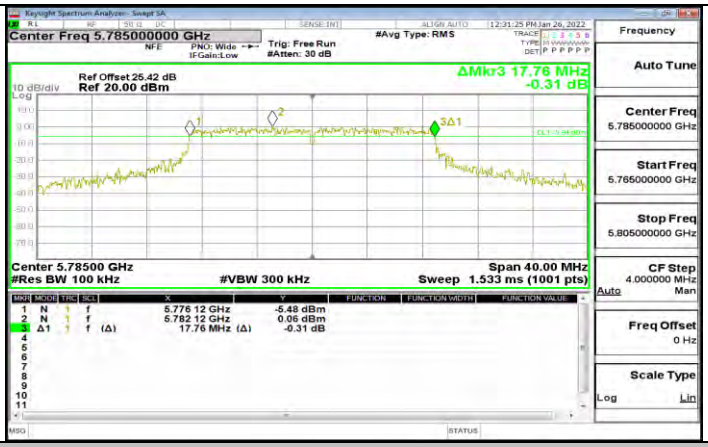
11A_Ant1_5785



11A_Ant1_5825

11N20SISO_Ant1_5720_UNII-3

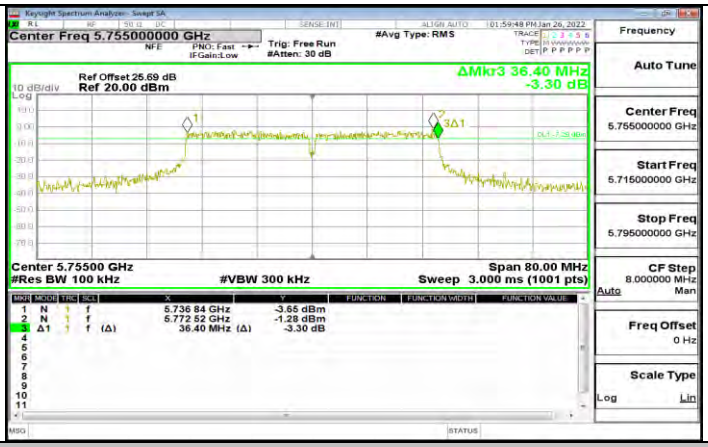
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785

11N20SISO_Ant1_5825

11N40SISO_Ant1_5710_UNII-3



11N40SISO_Ant1_5755

11N40SISO_Ant1_5795

11AC80SISO_Ant1_5690_UNII-3