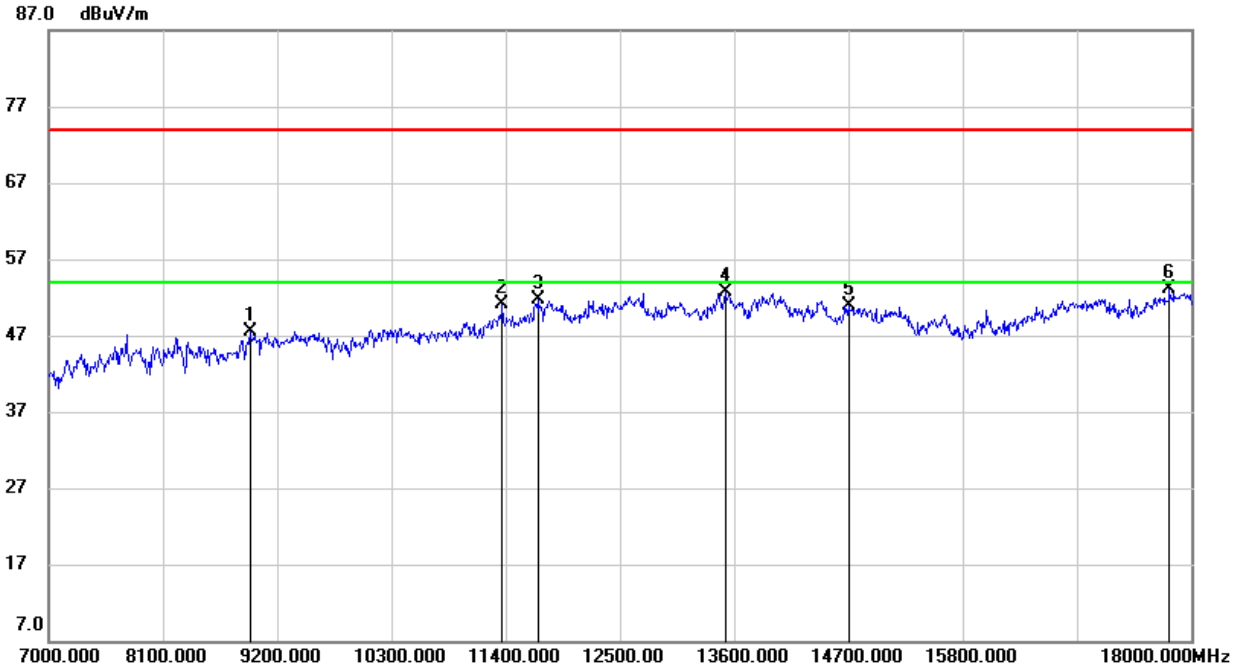
UNII-3 BAND

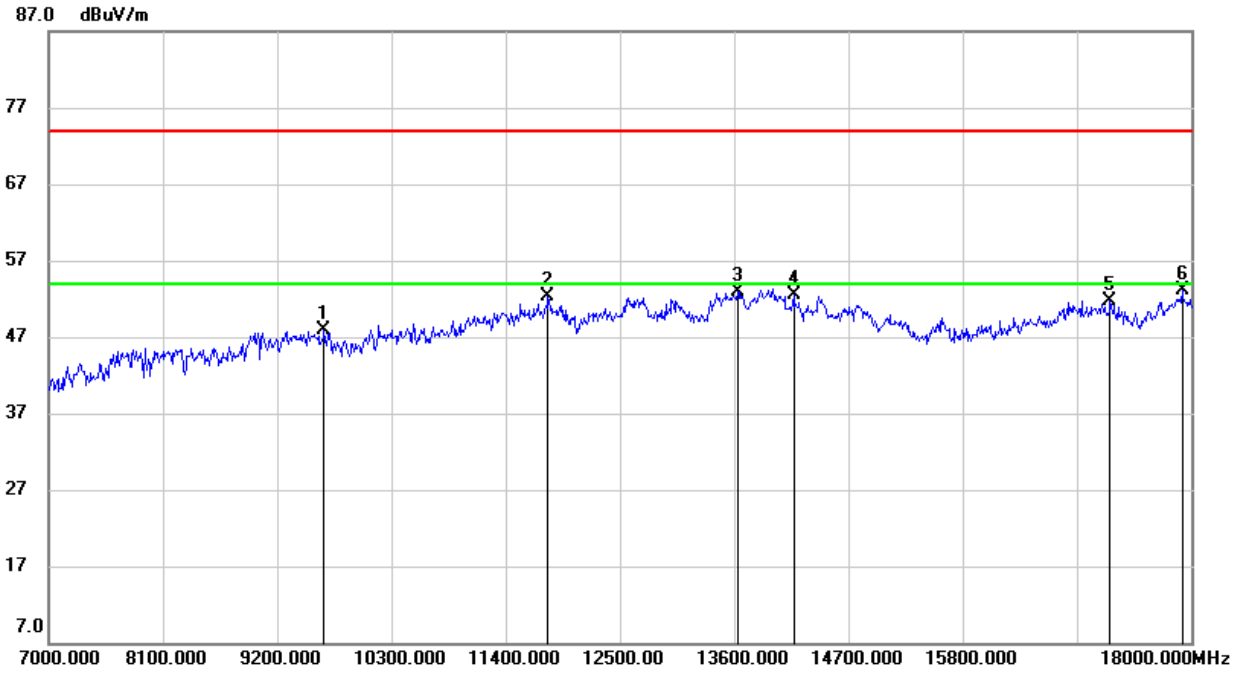
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8938.200	37.54	9.93	47.47	74.00	-26.53	peak
2	11370.300	34.76	16.33	51.09	74.00	-22.91	peak
3	11709.100	33.79	17.83	51.62	74.00	-22.38	peak
4	13515.300	32.11	20.65	52.76	74.00	-21.24	peak
5	14705.500	32.35	18.56	50.91	74.00	-23.09	peak
6	17793.200	28.68	24.35	53.03	74.00	-20.97	peak

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

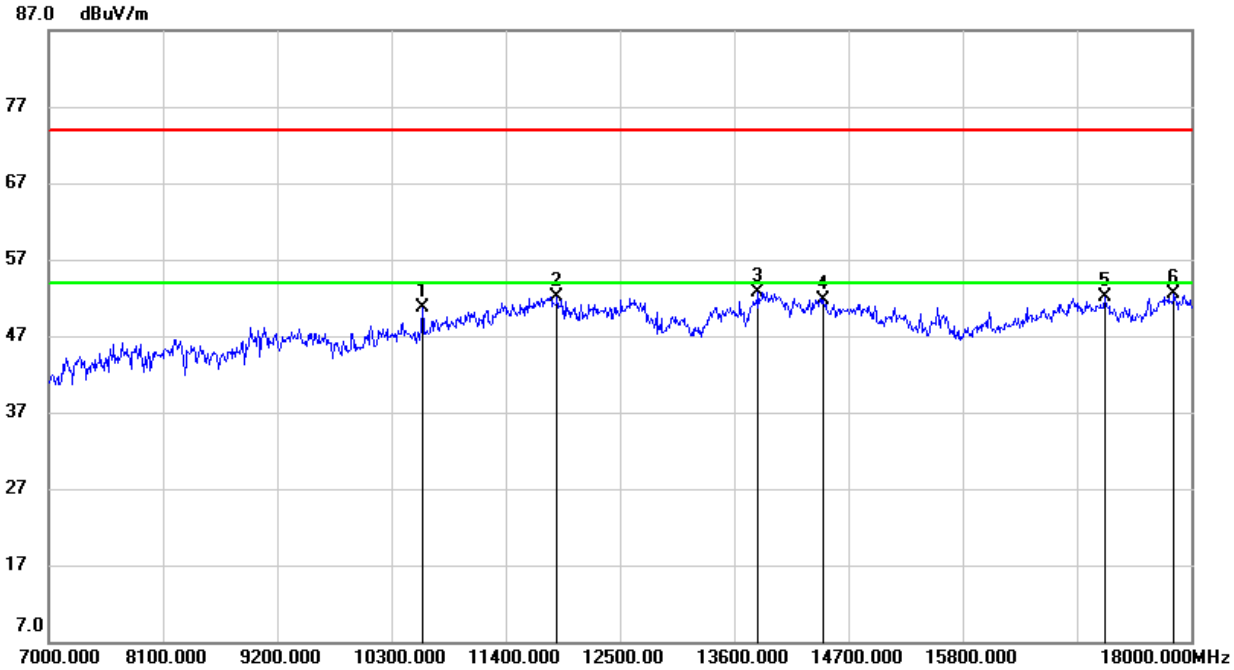
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9659.800	36.35	11.49	47.84	74.00	-26.16	peak
2	11815.800	34.05	18.31	52.36	74.00	-21.64	peak
3	13636.300	32.06	20.90	52.96	74.00	-21.04	peak
4	14181.900	31.49	20.94	52.43	74.00	-21.57	peak
5	17222.300	30.20	21.55	51.75	74.00	-22.25	peak
6	17918.600	28.27	24.78	53.05	74.00	-20.95	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.

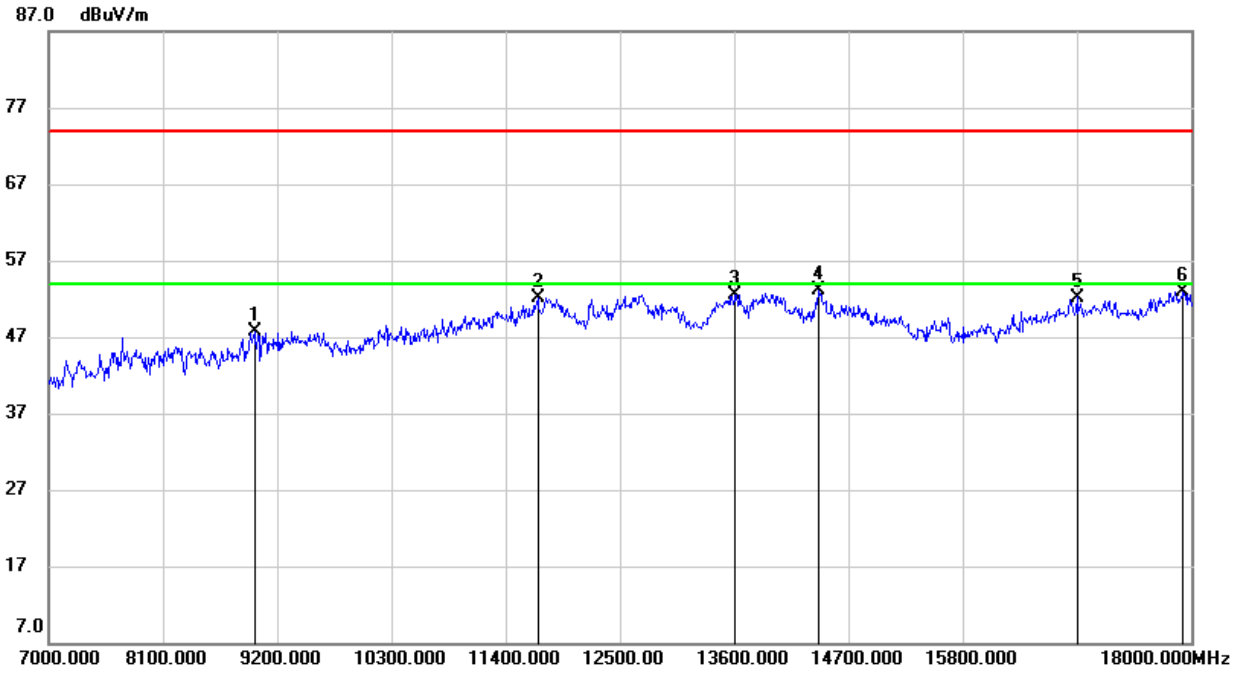
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10602.500	37.26	13.36	50.62	74.00	-23.38	peak
2	11898.300	33.83	18.30	52.13	74.00	-21.87	peak
3	13832.100	31.13	21.67	52.80	74.00	-21.20	peak
4	14462.400	31.96	19.67	51.63	74.00	-22.37	peak
5	17173.900	30.63	21.39	52.02	74.00	-21.98	peak
6	17841.600	28.05	24.54	52.59	74.00	-21.41	peak

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

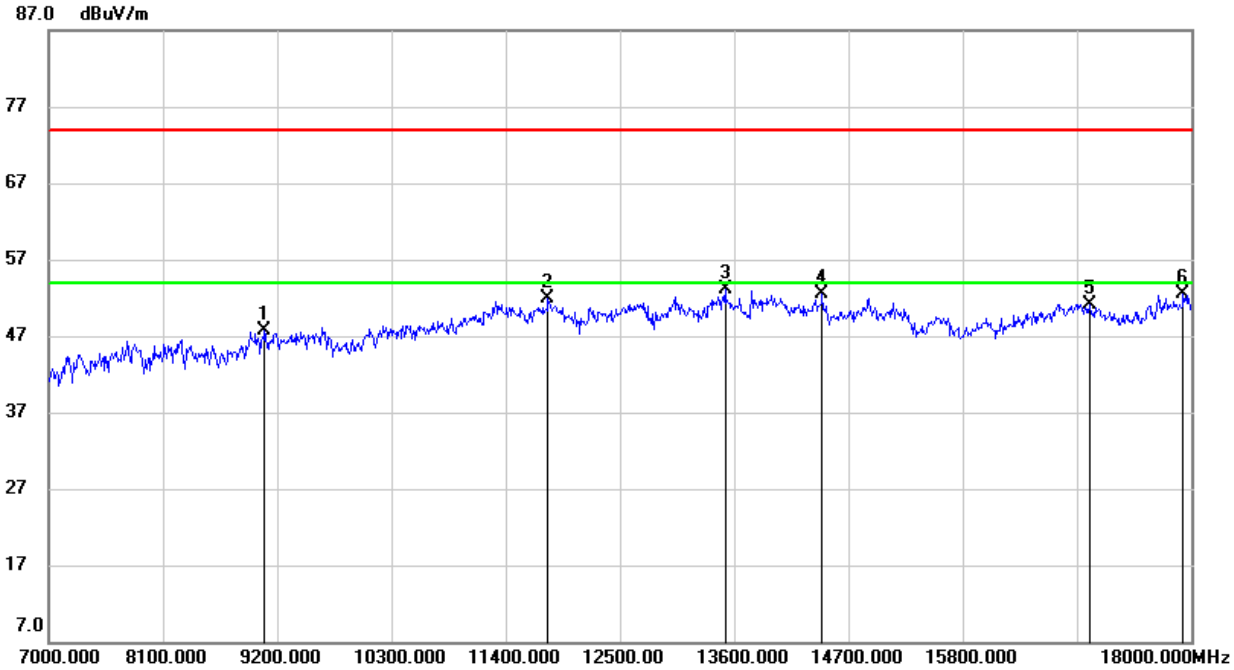
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8981.100	37.37	10.41	47.78	74.00	-26.22	peak
2	11712.400	34.34	17.84	52.18	74.00	-21.82	peak
3	13611.000	31.82	20.77	52.59	74.00	-21.41	peak
4	14423.900	33.18	19.90	53.08	74.00	-20.92	peak
5	16901.100	32.39	19.81	52.20	74.00	-21.80	peak
6	17928.500	28.19	24.81	53.00	74.00	-21.00	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.

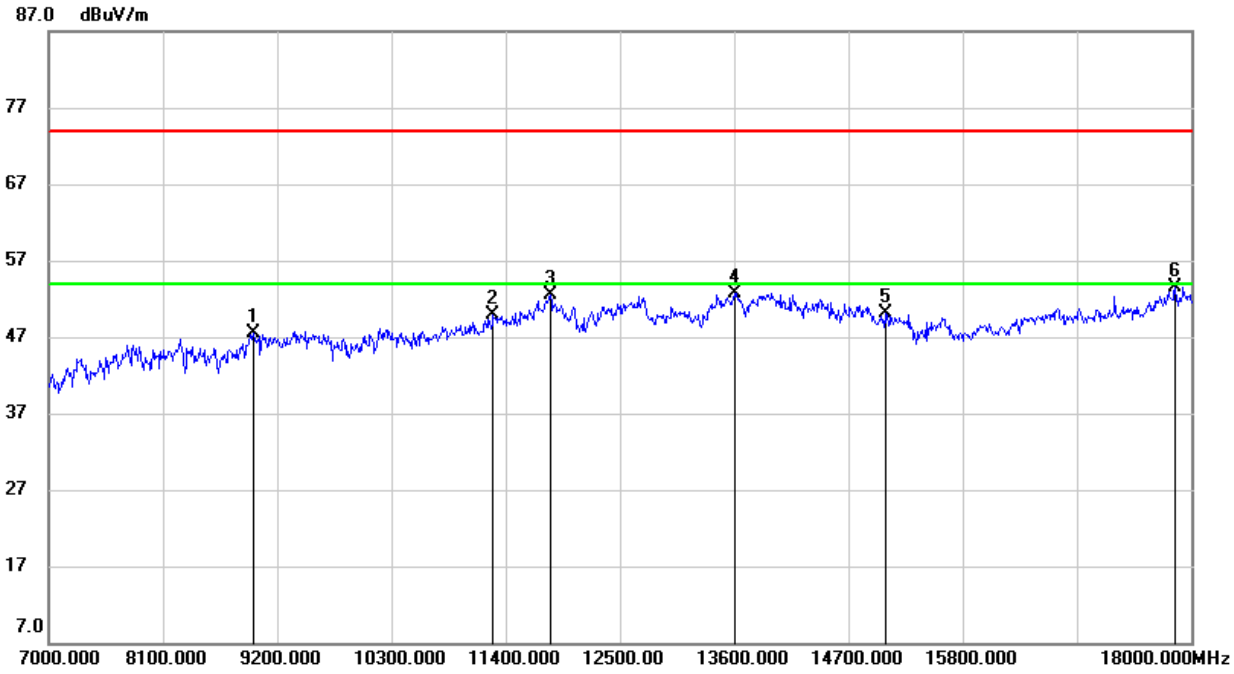
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9082.300	37.46	10.24	47.70	74.00	-26.30	peak
2	11816.900	33.67	18.31	51.98	74.00	-22.02	peak
3	13516.400	32.49	20.65	53.14	74.00	-20.86	peak
4	14455.800	32.89	19.71	52.60	74.00	-21.40	peak
5	17030.900	30.86	20.34	51.20	74.00	-22.80	peak
6	17926.300	27.68	24.81	52.49	74.00	-21.51	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 (HIGH CHANNEL, VERTICAL)



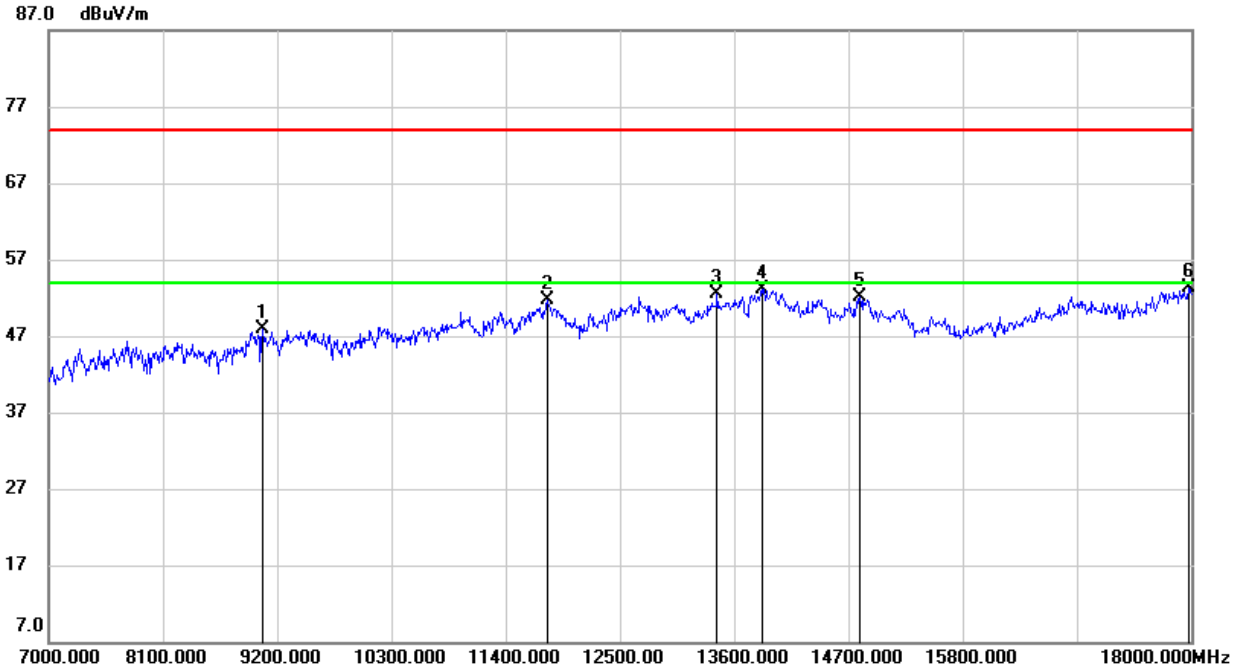
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8969.000	37.16	10.27	47.43	74.00	-26.57	peak
2	11286.700	33.96	15.89	49.85	74.00	-24.15	peak
3	11830.100	34.26	18.30	52.56	74.00	-21.44	peak
4	13619.800	31.91	20.81	52.72	74.00	-21.28	peak
5	15061.900	32.82	17.27	50.09	74.00	-23.91	peak
6	17850.400	28.99	24.57	53.56	74.00	-20.44	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. 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

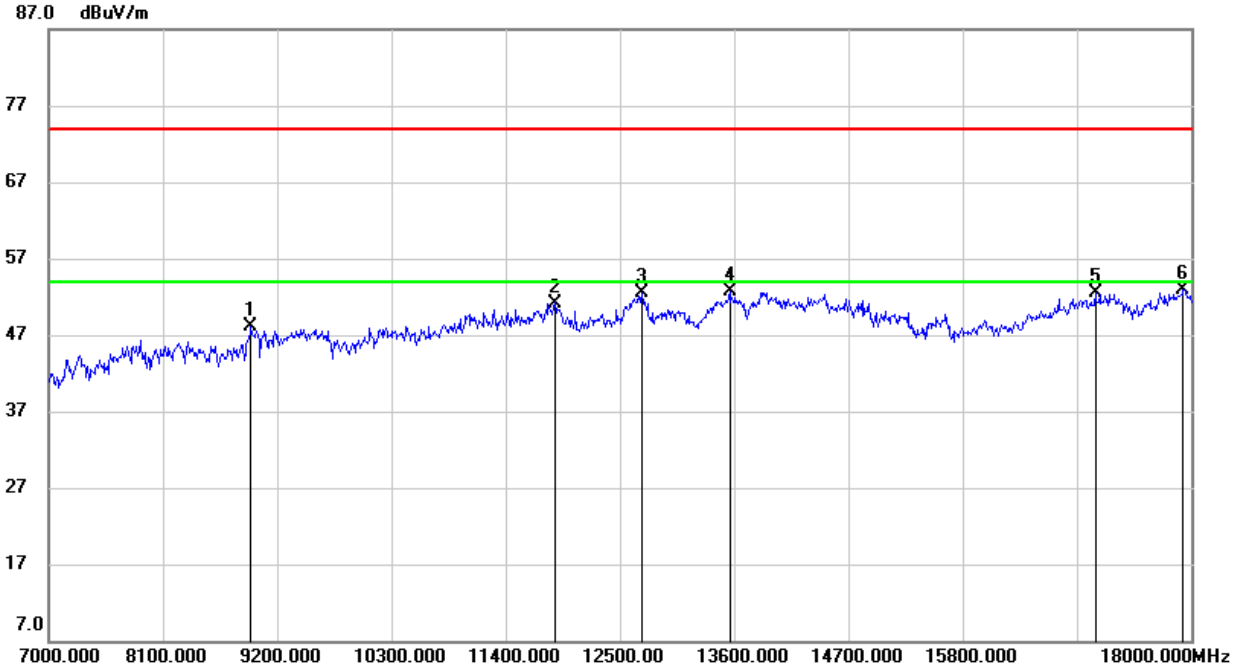
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9062.500	37.54	10.33	47.87	74.00	-26.13	peak
2	11796.000	33.44	18.29	51.73	74.00	-22.27	peak
3	13435.000	31.99	20.42	52.41	74.00	-21.59	peak
4	13864.000	31.51	21.65	53.16	74.00	-20.84	peak
5	14813.300	33.92	18.24	52.16	74.00	-21.84	peak
6	17984.600	28.26	24.98	53.24	74.00	-20.76	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. 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.

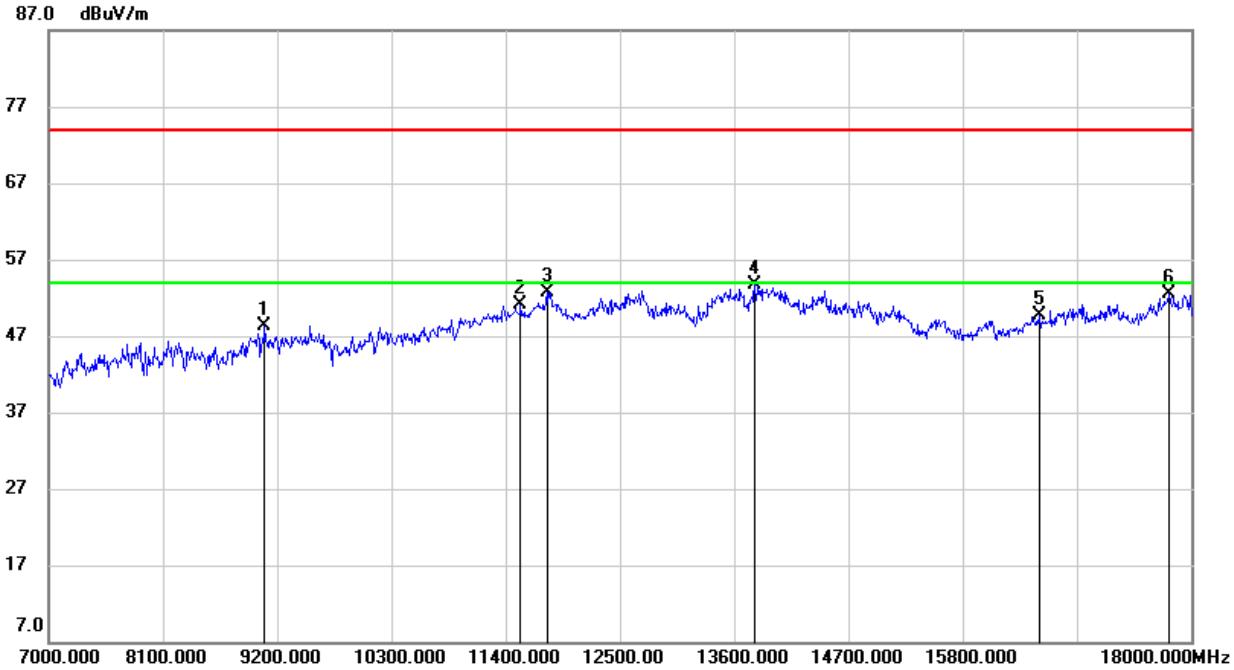
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8948.100	38.03	10.04	48.07	74.00	-25.93	peak
2	11873.000	32.90	18.30	51.20	74.00	-22.80	peak
3	12716.700	34.02	18.40	52.42	74.00	-21.58	peak
4	13563.700	32.09	20.68	52.77	74.00	-21.23	peak
5	17084.800	31.80	20.73	52.53	74.00	-21.47	peak
6	17928.500	28.16	24.81	52.97	74.00	-21.03	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.

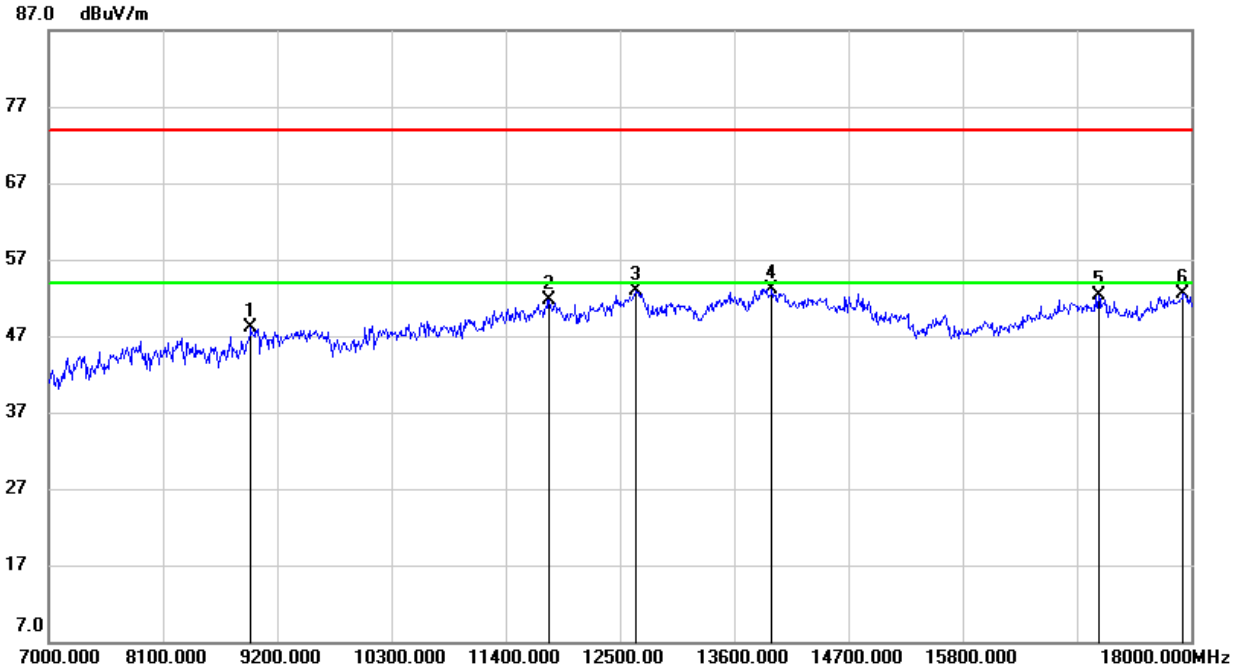
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9084.500	38.10	10.23	48.33	74.00	-25.67	peak
2	11547.400	34.08	17.08	51.16	74.00	-22.84	peak
3	11802.600	34.37	18.30	52.67	74.00	-21.33	peak
4	13806.800	32.06	21.66	53.72	74.00	-20.28	peak
5	16543.600	30.82	18.80	49.62	74.00	-24.38	peak
6	17788.800	28.16	24.30	52.46	74.00	-21.54	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)

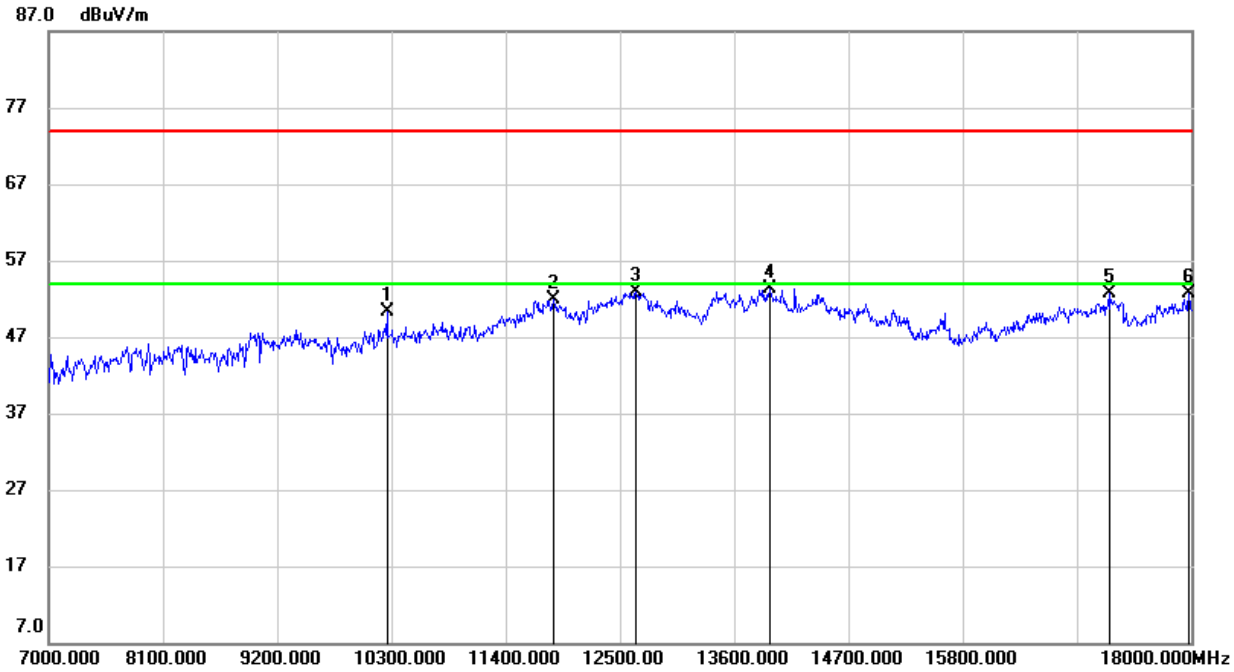


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8948.100	38.03	10.04	48.07	74.00	-25.93	peak
2	11818.000	33.40	18.30	51.70	74.00	-22.30	peak
3	12660.600	34.45	18.37	52.82	74.00	-21.18	peak
4	13970.700	31.40	21.67	53.07	74.00	-20.93	peak
5	17111.200	31.31	20.92	52.23	74.00	-21.77	peak
6	17928.500	27.66	24.81	52.47	74.00	-21.53	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

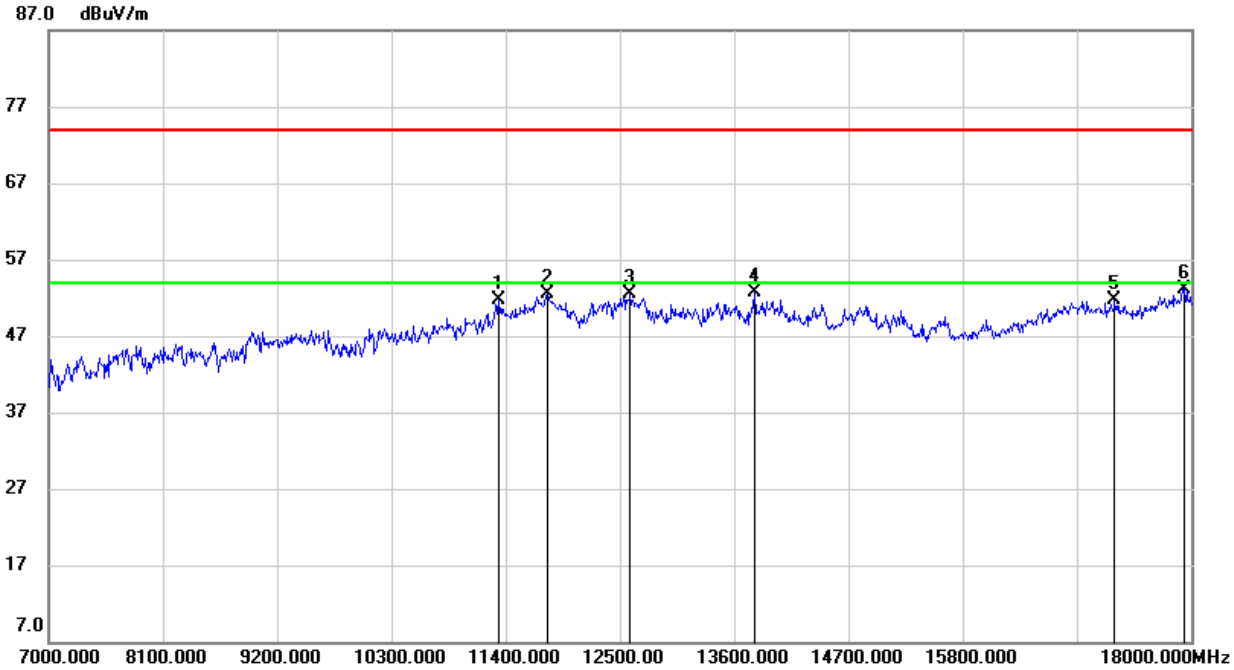
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10259.300	38.09	12.14	50.23	74.00	-23.77	peak
2	11863.100	33.56	18.30	51.86	74.00	-22.14	peak
3	12659.500	34.46	18.37	52.83	74.00	-21.17	peak
4	13948.700	31.61	21.66	53.27	74.00	-20.73	peak
5	17208.000	31.09	21.57	52.66	74.00	-21.34	peak
6	17984.600	27.71	24.98	52.69	74.00	-21.31	peak

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

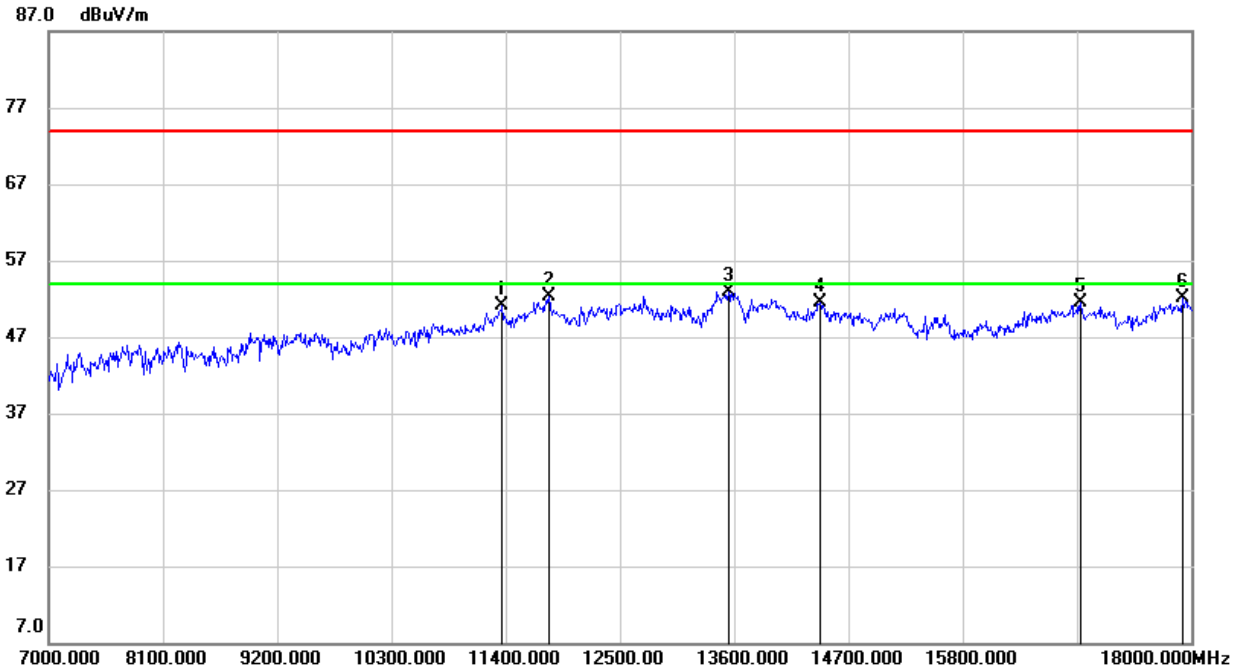
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11336.200	35.53	16.14	51.67	74.00	-22.33	peak
2	11813.600	34.30	18.30	52.60	74.00	-21.40	peak
3	12606.700	34.24	18.36	52.60	74.00	-21.40	peak
4	13799.100	31.08	21.66	52.74	74.00	-21.26	peak
5	17266.300	30.17	21.49	51.66	74.00	-22.34	peak
6	17940.600	28.35	24.85	53.20	74.00	-20.80	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.

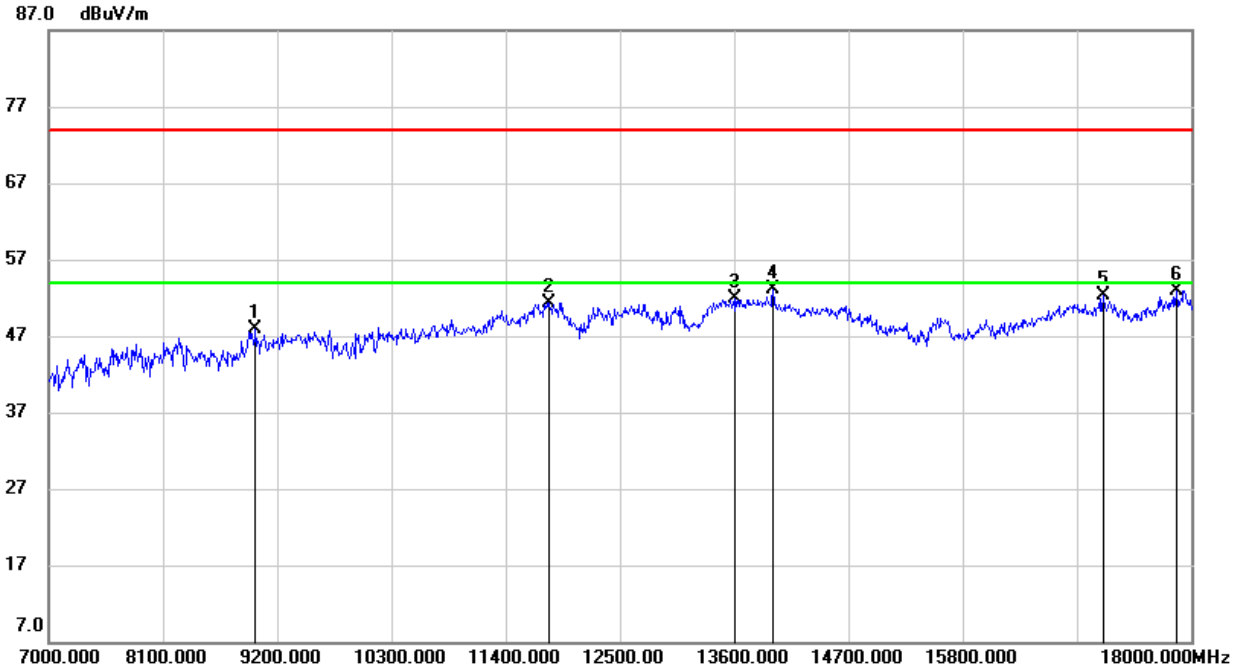
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11372.500	34.81	16.34	51.15	74.00	-22.85	peak
2	11819.100	33.99	18.31	52.30	74.00	-21.70	peak
3	13546.100	32.27	20.68	52.95	74.00	-21.05	peak
4	14426.100	31.54	19.88	51.42	74.00	-22.58	peak
5	16934.100	31.53	19.92	51.45	74.00	-22.55	peak
6	17917.500	27.33	24.78	52.11	74.00	-21.89	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)

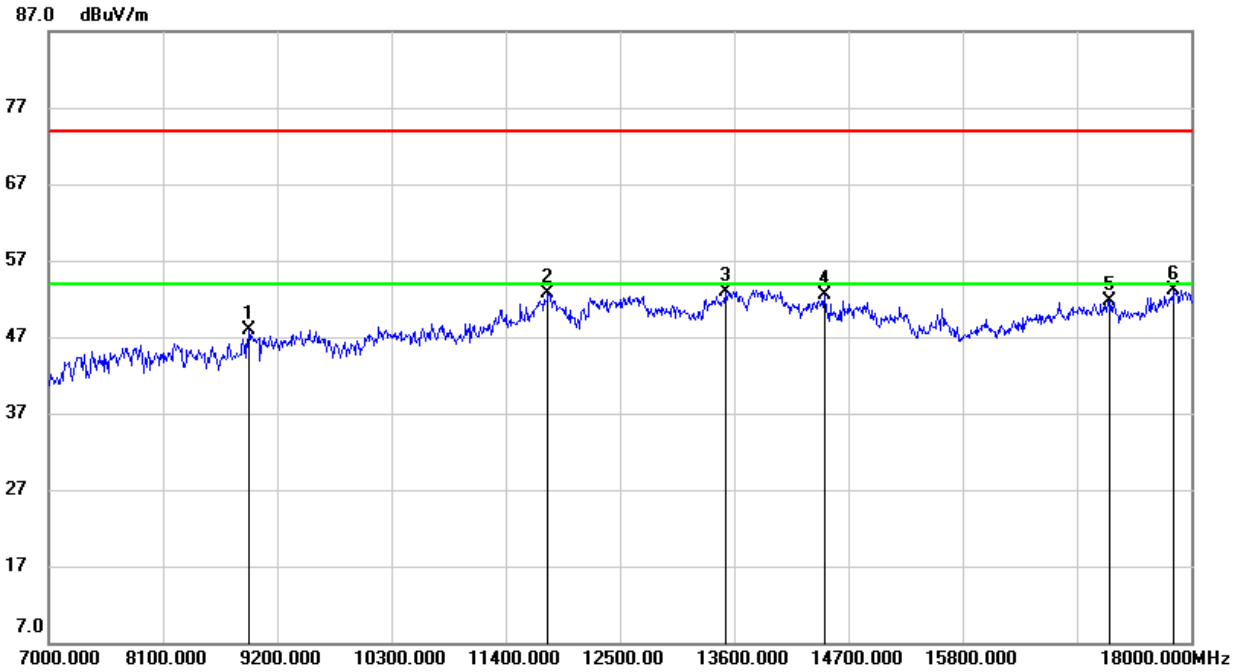


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8993.200	37.34	10.54	47.88	74.00	-26.12	peak
2	11819.100	33.00	18.31	51.31	74.00	-22.69	peak
3	13606.600	31.07	20.75	51.82	74.00	-22.18	peak
4	13979.500	31.48	21.67	53.15	74.00	-20.85	peak
5	17156.300	31.09	21.25	52.34	74.00	-21.66	peak
6	17860.300	28.31	24.59	52.90	74.00	-21.10	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

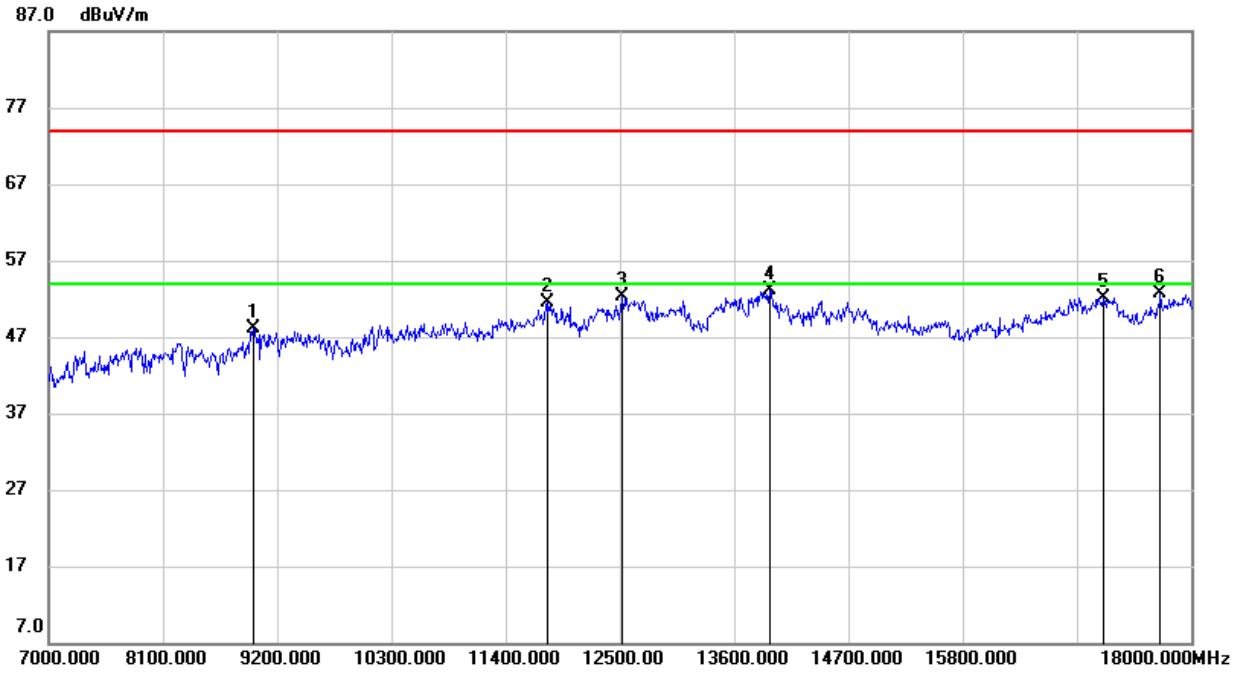
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8933.800	38.04	9.88	47.92	74.00	-26.08	peak
2	11811.400	34.40	18.31	52.71	74.00	-21.29	peak
3	13521.900	32.17	20.66	52.83	74.00	-21.17	peak
4	14474.500	32.90	19.61	52.51	74.00	-21.49	peak
5	17224.500	30.25	21.55	51.80	74.00	-22.20	peak
6	17844.900	28.62	24.55	53.17	74.00	-20.83	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.

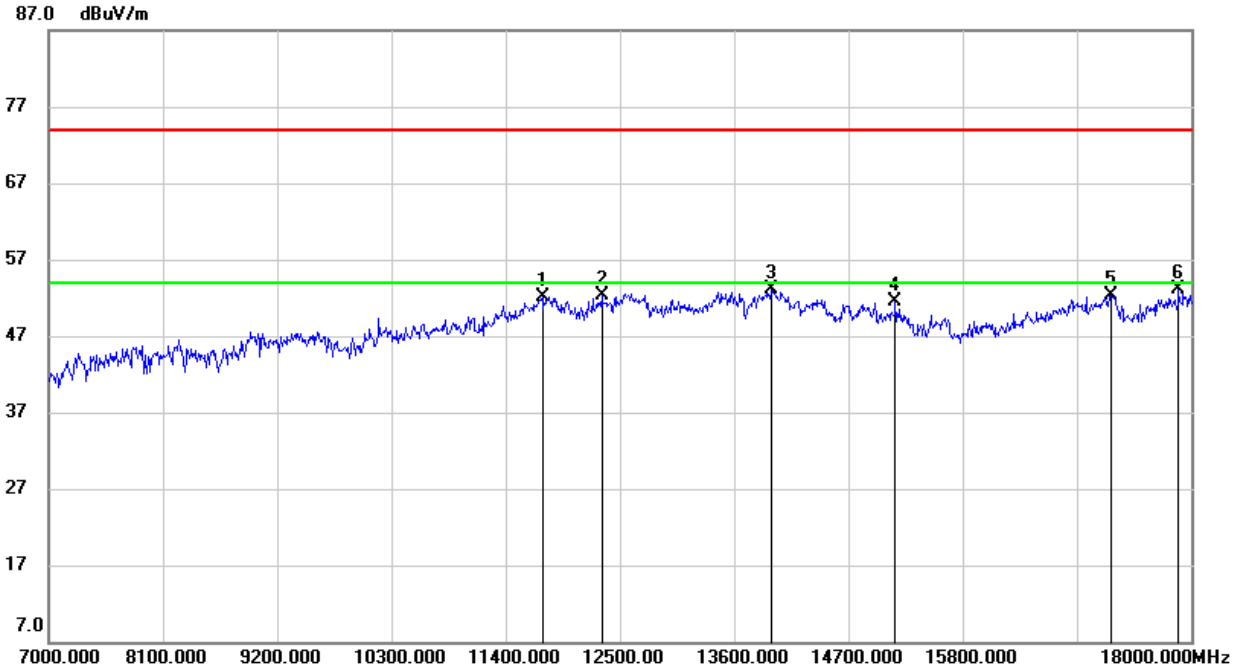
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8973.400	37.69	10.32	48.01	74.00	-25.99	peak
2	11814.700	33.27	18.31	51.58	74.00	-22.42	peak
3	12528.600	34.08	18.23	52.31	74.00	-21.69	peak
4	13948.700	31.39	21.66	53.05	74.00	-20.95	peak
5	17160.700	30.87	21.29	52.16	74.00	-21.84	peak
6	17710.700	29.09	23.56	52.65	74.00	-21.35	peak

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

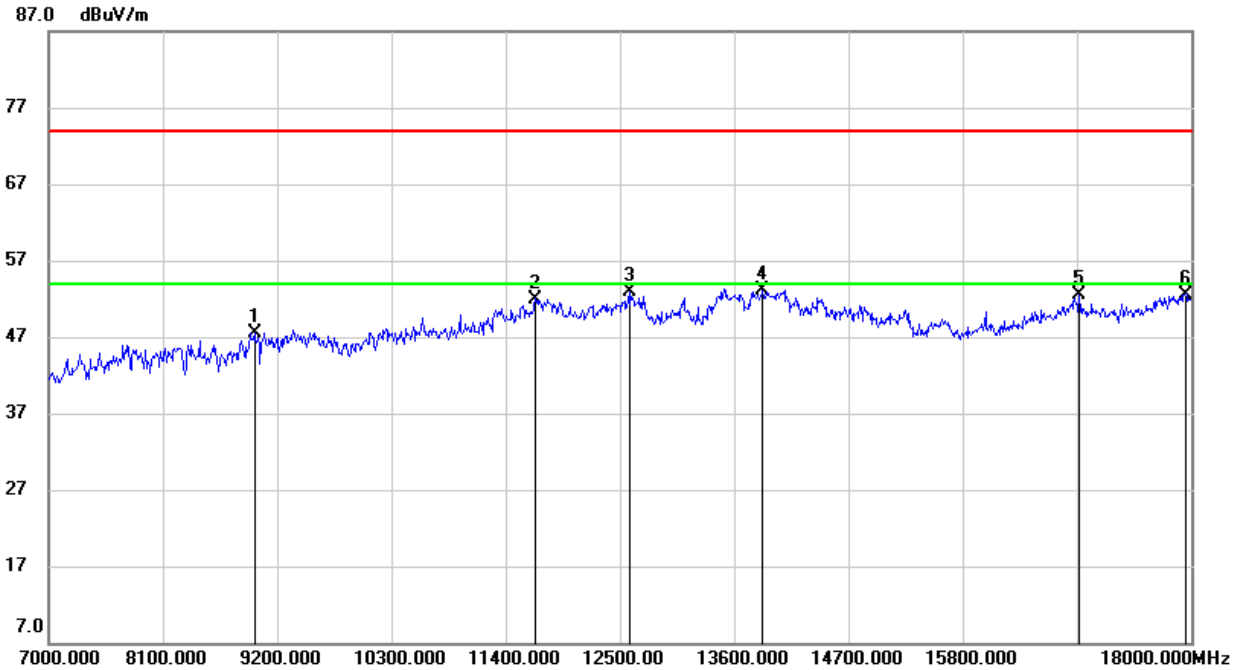
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	11757.500	34.05	18.09	52.14	74.00	-21.86	peak
2	12328.400	34.09	18.14	52.23	74.00	-21.77	peak
3	13972.900	31.41	21.66	53.07	74.00	-20.93	peak
4	15159.800	34.55	16.87	51.42	74.00	-22.58	peak
5	17230.000	30.73	21.54	52.27	74.00	-21.73	peak
6	17885.600	28.35	24.67	53.02	74.00	-20.98	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.

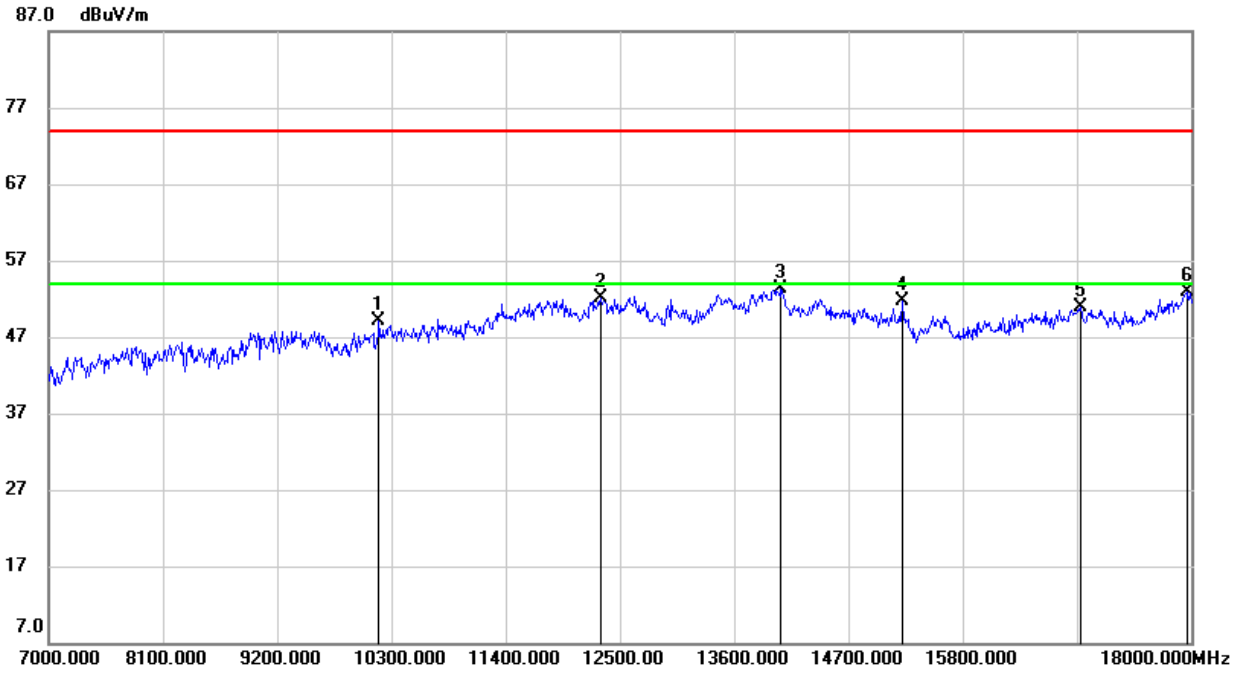
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8986.600	37.04	10.47	47.51	74.00	-26.49	peak
2	11691.500	34.27	17.73	52.00	74.00	-22.00	peak
3	12591.300	34.50	18.33	52.83	74.00	-21.17	peak
4	13884.900	31.49	21.67	53.16	74.00	-20.84	peak
5	16924.200	32.59	19.88	52.47	74.00	-21.53	peak
6	17949.400	27.72	24.88	52.60	74.00	-21.40	peak

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

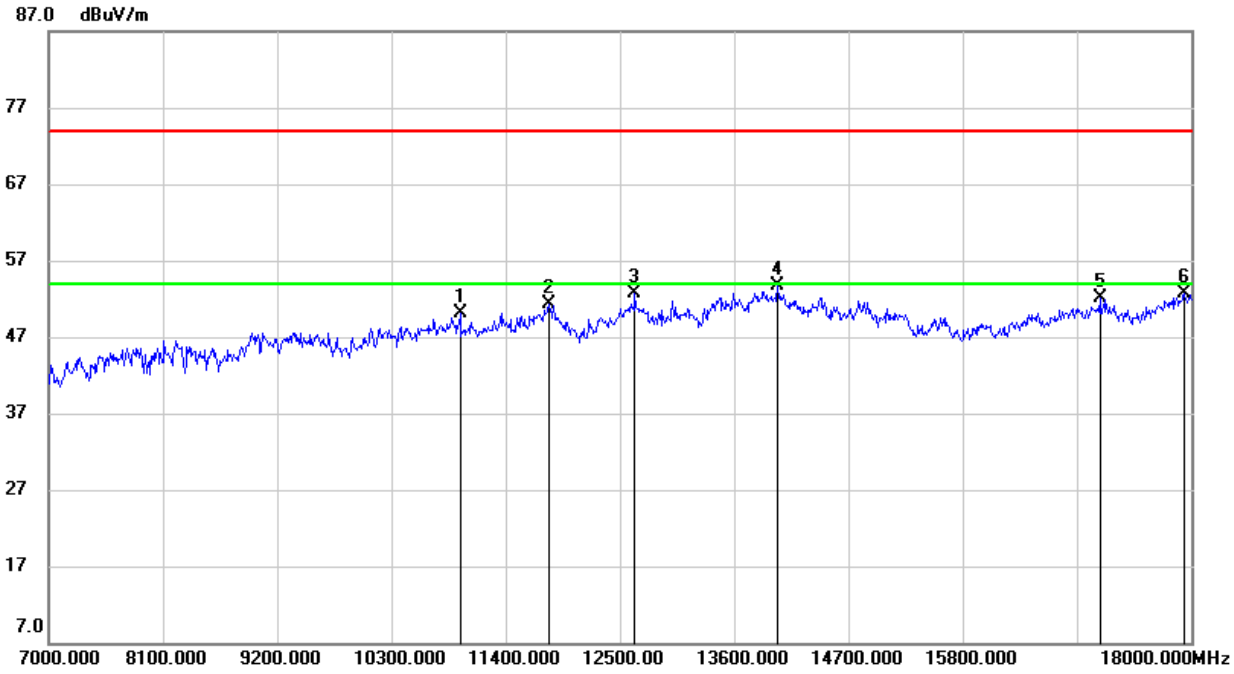
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10183.400	37.13	11.94	49.07	74.00	-24.93	peak
2	12320.700	34.04	18.14	52.18	74.00	-21.82	peak
3	14054.300	31.88	21.45	53.33	74.00	-20.67	peak
4	15218.100	34.91	16.70	51.61	74.00	-22.39	peak
5	16933.000	30.99	19.92	50.91	74.00	-23.09	peak
6	17956.000	28.10	24.89	52.99	74.00	-21.01	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)

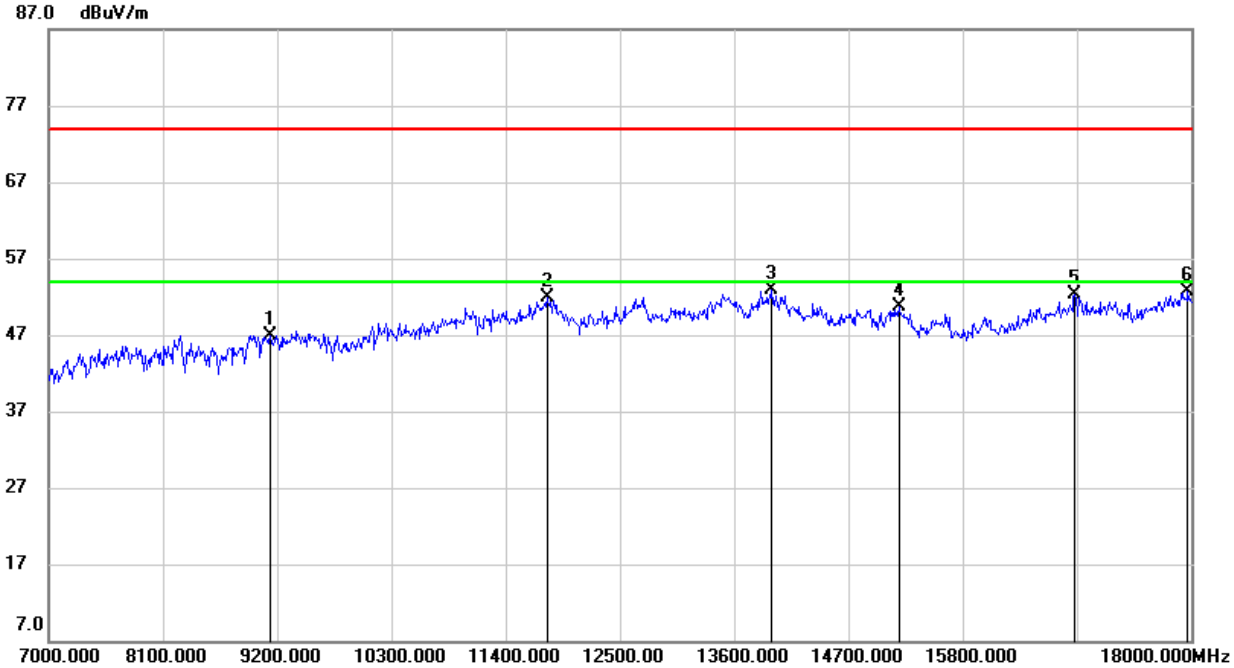


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	10961.100	35.81	14.23	50.04	74.00	-23.96	peak
2	11826.800	32.93	18.31	51.24	74.00	-22.76	peak
3	12650.700	34.27	18.36	52.63	74.00	-21.37	peak
4	14026.800	32.05	21.56	53.61	74.00	-20.39	peak
5	17127.700	31.02	21.05	52.07	74.00	-21.93	peak
6	17935.100	27.89	24.83	52.72	74.00	-21.28	peak

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

STRADDLE CHANNEL 142

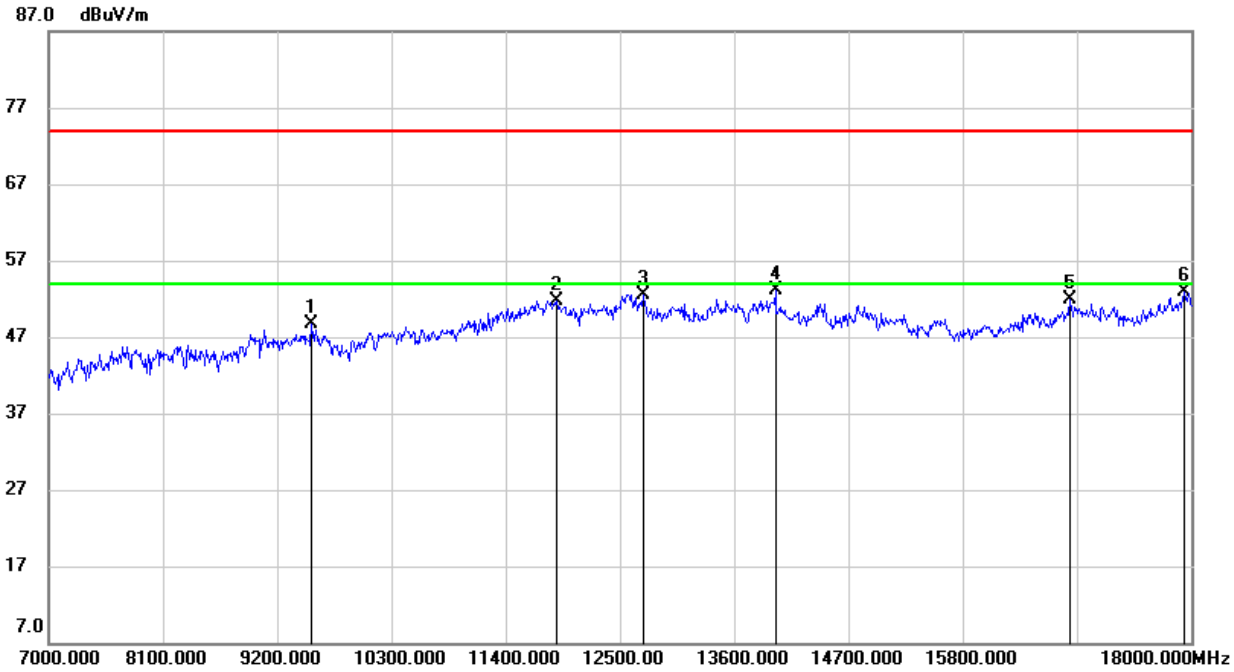
HARMONICS AND SPURIOUS EMISSIONS (HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9138.400	37.00	9.98	46.98	74.00	-27.02	peak
2	11800.400	33.66	18.31	51.97	74.00	-22.03	peak
3	13968.500	31.24	21.66	52.90	74.00	-21.10	peak
4	15185.100	33.95	16.78	50.73	74.00	-23.27	peak
5	16884.600	32.45	19.77	52.22	74.00	-21.78	peak
6	17969.200	27.79	24.94	52.73	74.00	-21.27	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)

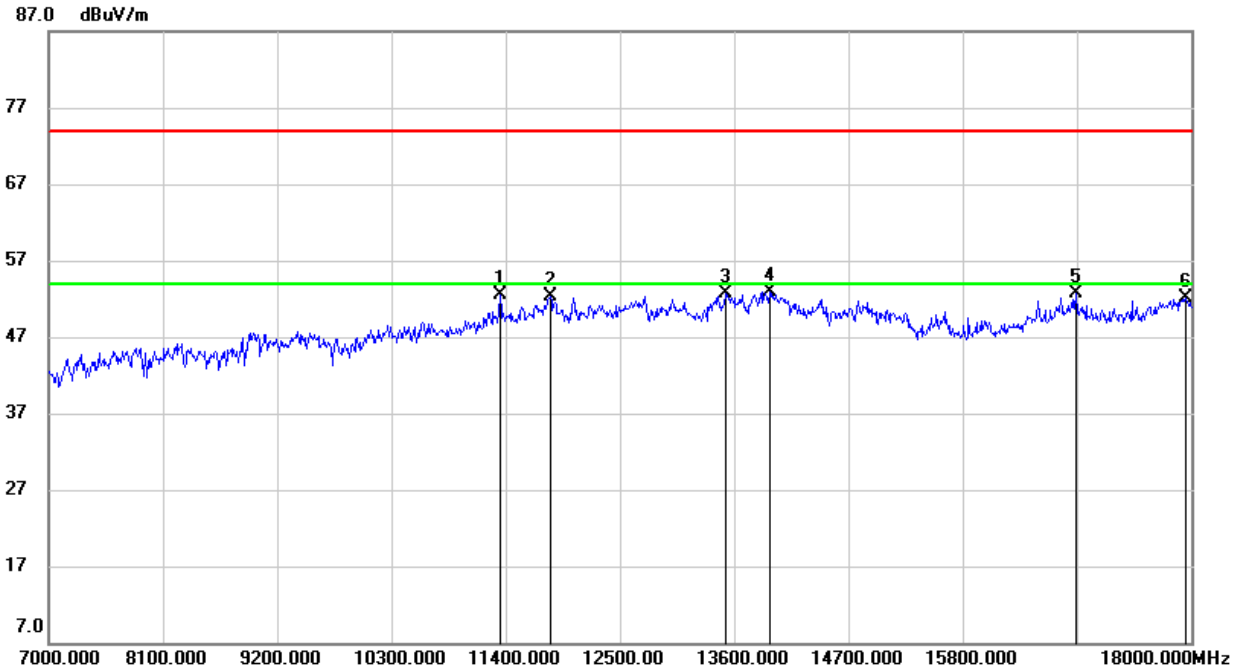


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9537.700	37.38	11.38	48.76	74.00	-25.24	peak
2	11895.000	33.39	18.30	51.69	74.00	-22.31	peak
3	12725.500	34.17	18.40	52.57	74.00	-21.43	peak
4	14002.600	31.36	21.66	53.02	74.00	-20.98	peak
5	16840.600	32.33	19.64	51.97	74.00	-22.03	peak
6	17934.000	28.08	24.82	52.90	74.00	-21.10	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

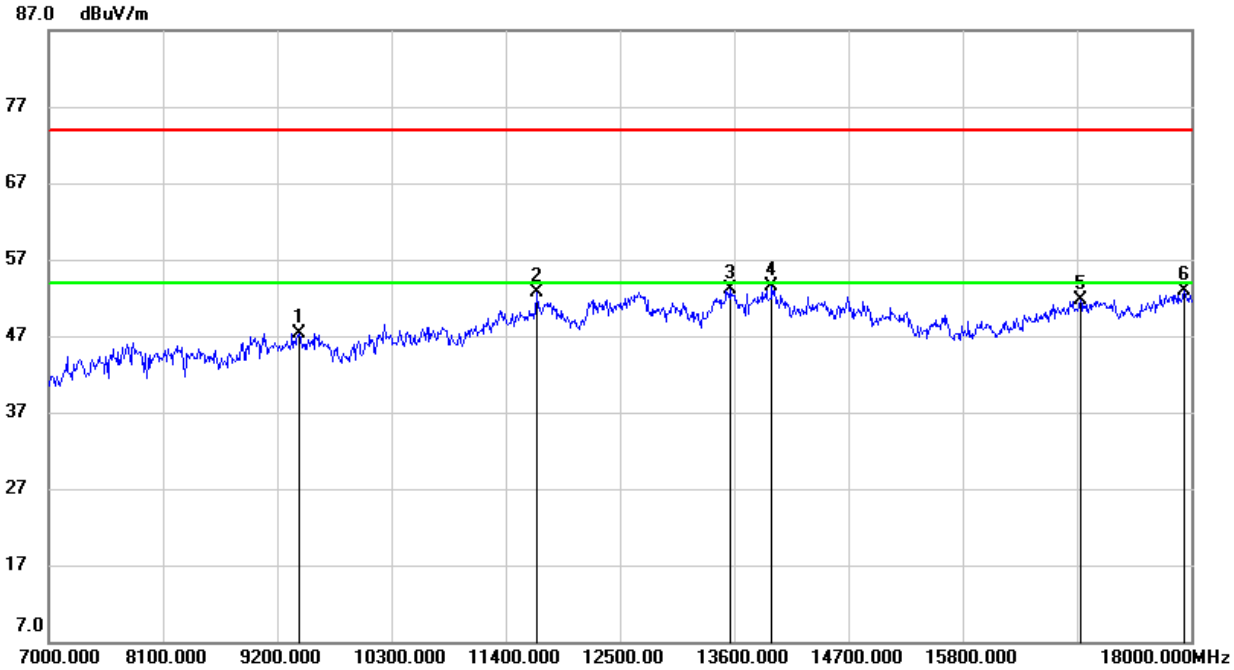
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11352.700	36.27	16.24	52.51	74.00	-21.49	peak
2	11836.700	34.04	18.30	52.34	74.00	-21.66	peak
3	13514.200	32.06	20.65	52.71	74.00	-21.29	peak
4	13946.500	31.33	21.67	53.00	74.00	-21.00	peak
5	16895.600	32.87	19.80	52.67	74.00	-21.33	peak
6	17945.000	27.17	24.86	52.03	74.00	-21.97	peak

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

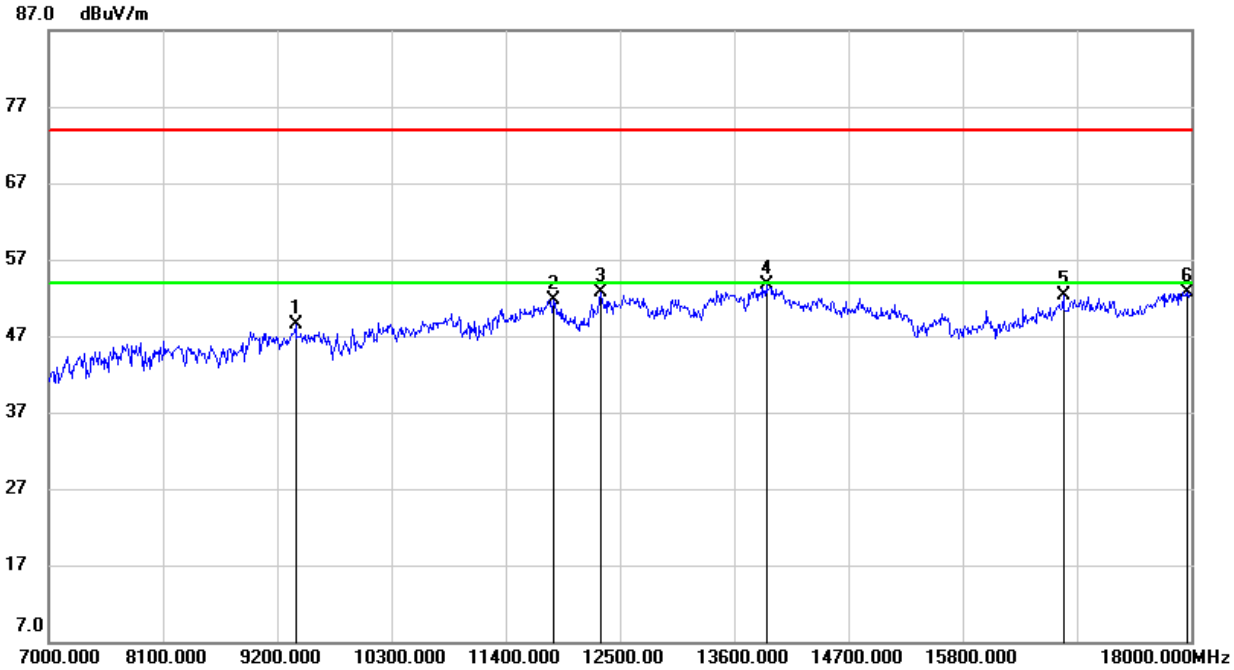
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9418.900	36.50	10.89	47.39	74.00	-26.61	peak
2	11705.800	34.94	17.80	52.74	74.00	-21.26	peak
3	13564.800	32.44	20.69	53.13	74.00	-20.87	peak
4	13966.300	31.86	21.67	53.53	74.00	-20.47	peak
5	16933.000	31.75	19.92	51.67	74.00	-22.33	peak
6	17935.100	28.09	24.83	52.92	74.00	-21.08	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. 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.

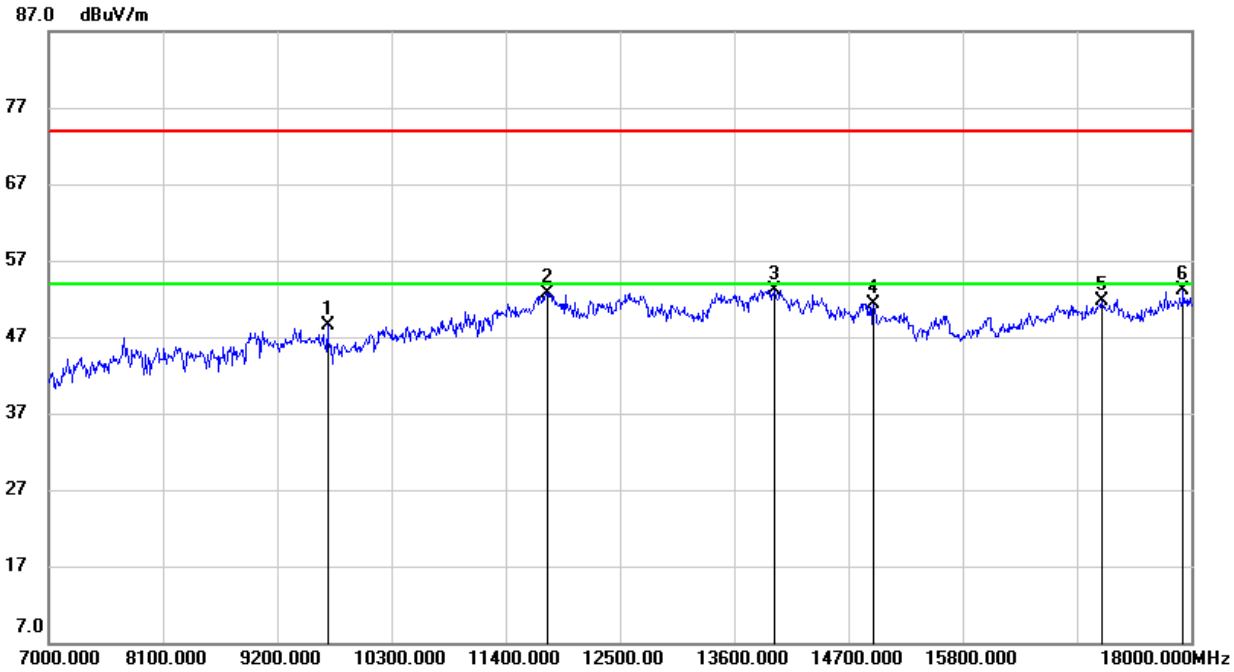
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9380.400	37.75	10.70	48.45	74.00	-25.55	peak
2	11867.500	33.44	18.29	51.73	74.00	-22.27	peak
3	12321.800	34.49	18.14	52.63	74.00	-21.37	peak
4	13912.400	32.07	21.66	53.73	74.00	-20.27	peak
5	16776.800	32.74	19.48	52.22	74.00	-21.78	peak
6	17963.700	27.79	24.91	52.70	74.00	-21.30	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)



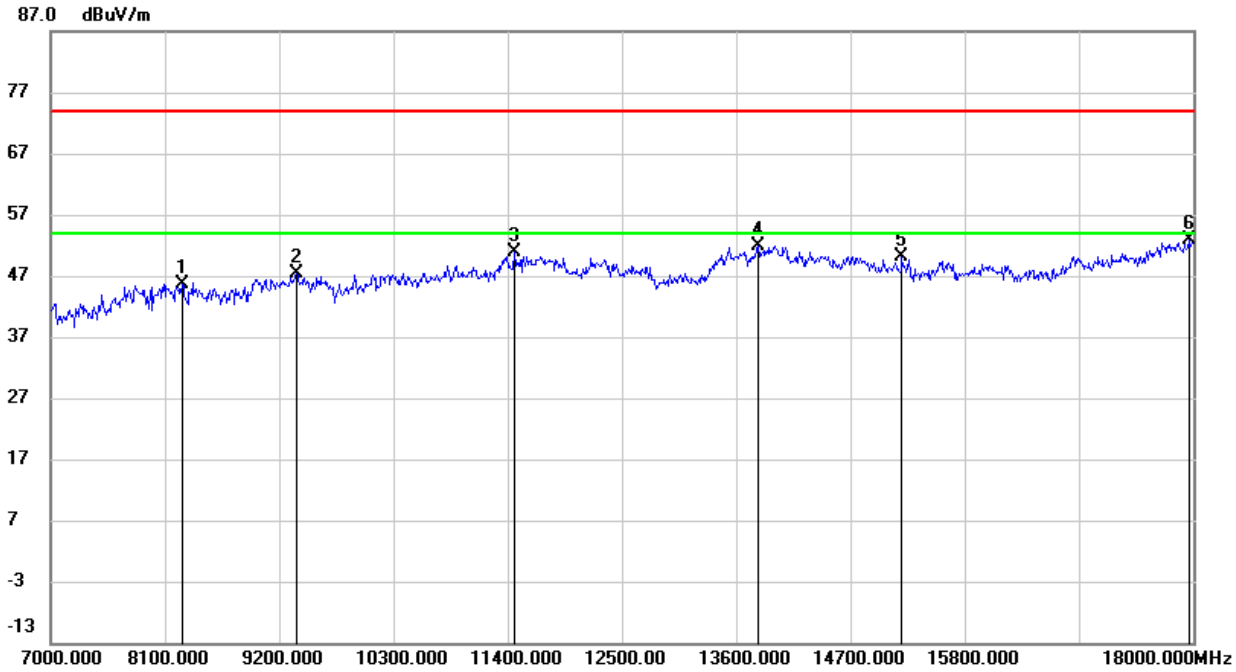
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9692.800	37.13	11.41	48.54	74.00	-25.46	peak
2	11807.000	34.37	18.31	52.68	74.00	-21.32	peak
3	13989.400	31.52	21.67	53.19	74.00	-20.81	peak
4	14943.100	33.66	17.73	51.39	74.00	-22.61	peak
5	17148.600	30.41	21.21	51.62	74.00	-22.38	peak
6	17931.800	28.20	24.82	53.02	74.00	-20.98	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.

8.3.4. 802.11ac VHT80 SISO MODE

UNII-1 BAND

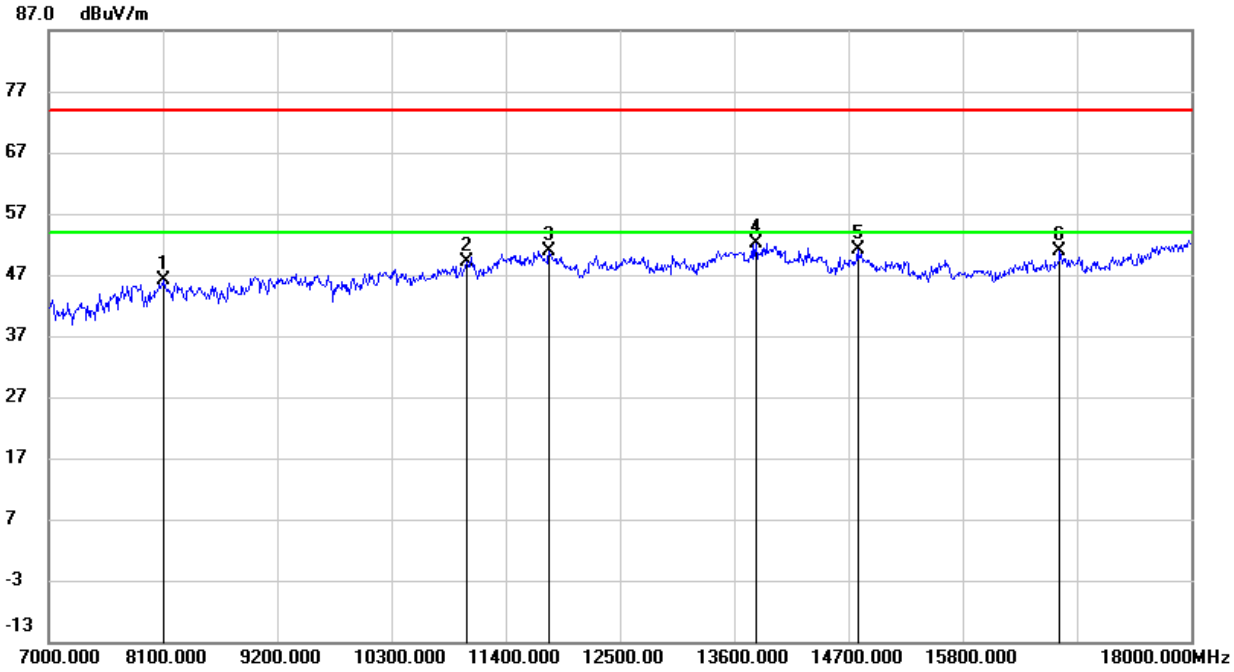
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8265.000	38.02	7.65	45.67	74.00	-28.33	peak
2	9365.000	37.25	10.10	47.35	74.00	-26.65	peak
3	11466.000	34.89	15.93	50.82	74.00	-23.18	peak
4	13809.000	30.65	21.16	51.81	74.00	-22.19	peak
5	15195.000	33.91	16.22	50.13	74.00	-23.87	peak
6	17956.000	27.89	24.99	52.88	74.00	-21.12	peak

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

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

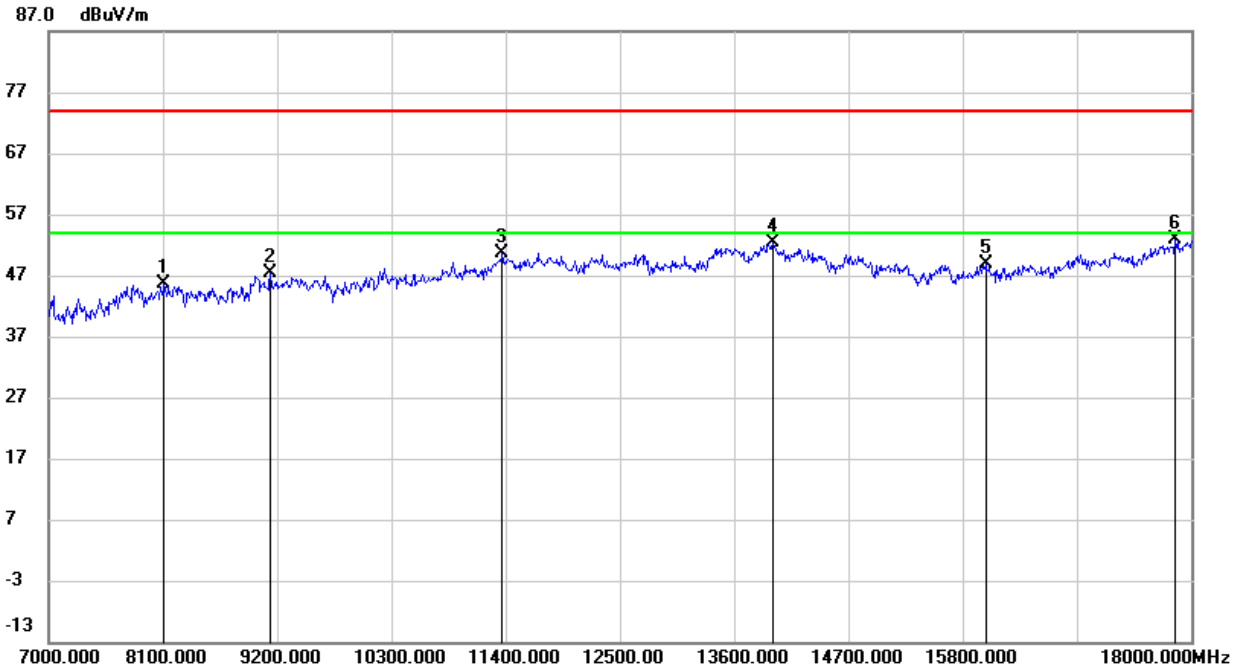


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8111.000	38.21	7.93	46.14	74.00	-27.86	peak
2	11026.000	35.77	13.43	49.20	74.00	-24.80	peak
3	11818.000	34.07	16.91	50.98	74.00	-23.02	peak
4	13809.000	30.87	21.16	52.03	74.00	-21.97	peak
5	14788.000	32.50	18.52	51.02	74.00	-22.98	peak
6	16735.000	32.15	18.69	50.84	74.00	-23.16	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. 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)

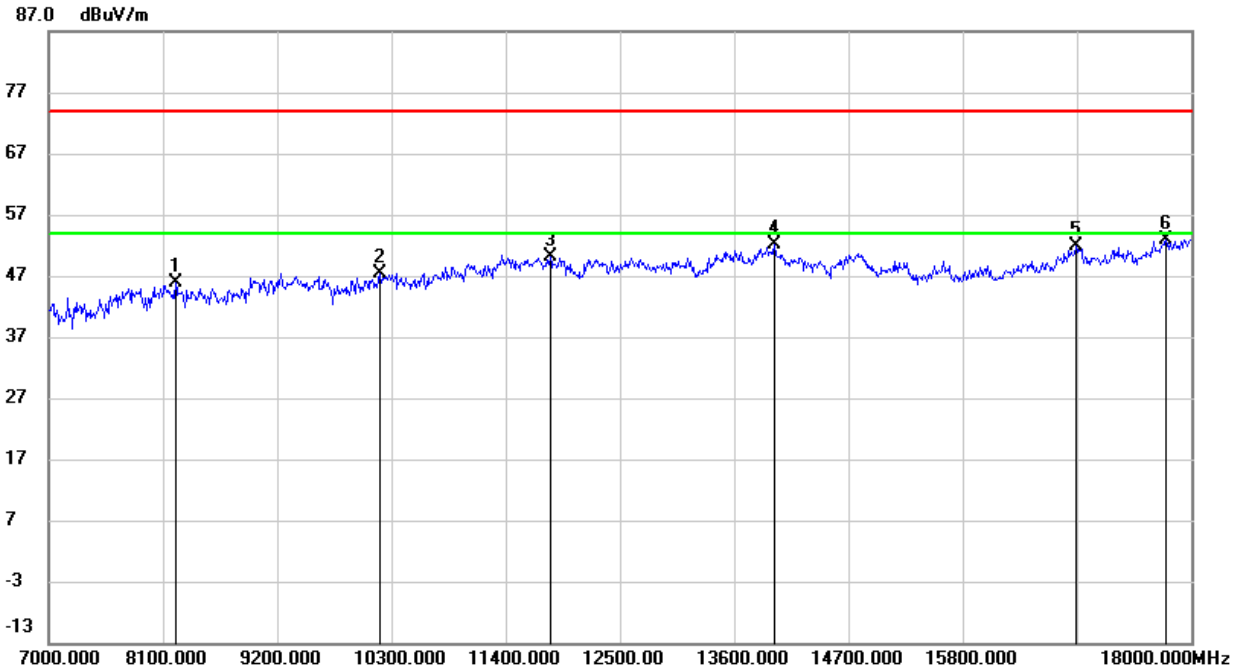


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8111.000	37.65	7.93	45.58	74.00	-28.42	peak
2	9134.000	38.29	9.11	47.40	74.00	-26.60	peak
3	11367.000	35.22	15.42	50.64	74.00	-23.36	peak
4	13974.000	30.92	21.39	52.31	74.00	-21.69	peak
5	16020.000	32.32	16.56	48.88	74.00	-25.12	peak
6	17846.000	28.25	24.58	52.83	74.00	-21.17	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. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
5. Proper operation of the transmitter prior to adding the filter to the measurement chain.
6. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27dBm/MHz (68.2dBuV/m) limit.

.

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8221.000	38.20	7.67	45.87	74.00	-28.13	peak
2	10190.000	35.81	11.65	47.46	74.00	-26.54	peak
3	11829.000	33.19	16.95	50.14	74.00	-23.86	peak
4	13985.000	30.67	21.42	52.09	74.00	-21.91	peak
5	16889.000	31.70	20.09	51.79	74.00	-22.21	peak
6	17758.000	28.84	24.16	53.00	74.00	-21.00	peak

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

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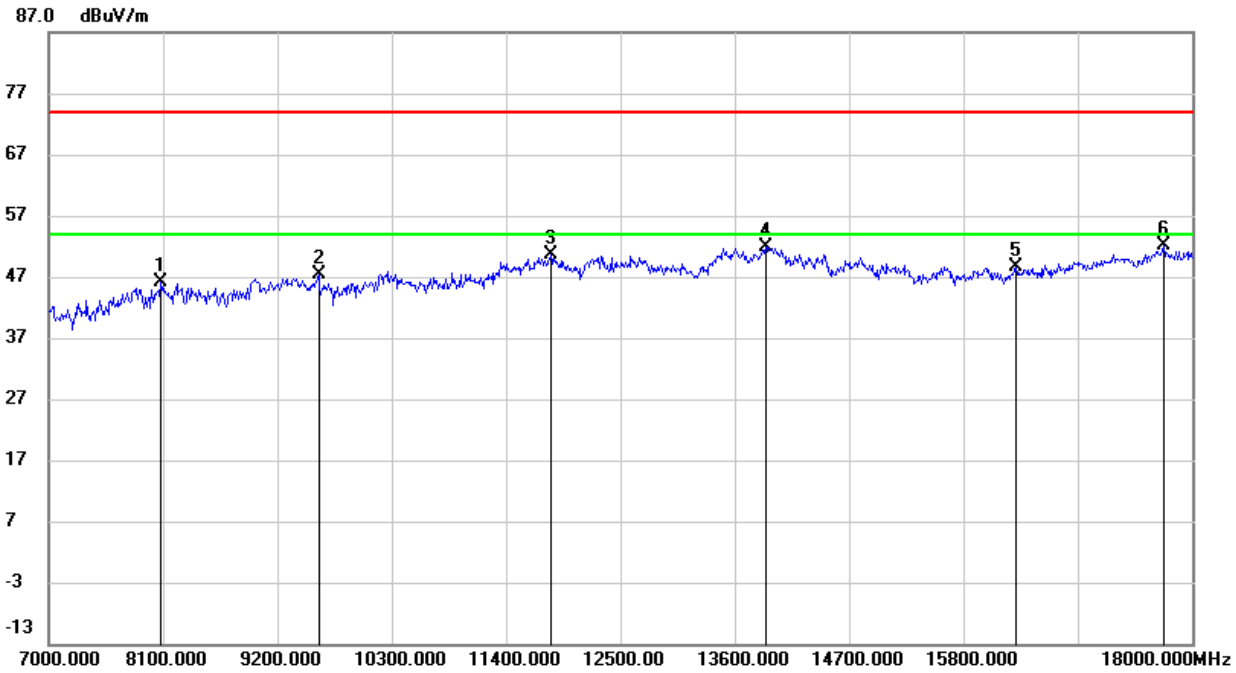
UNII-2C BAND

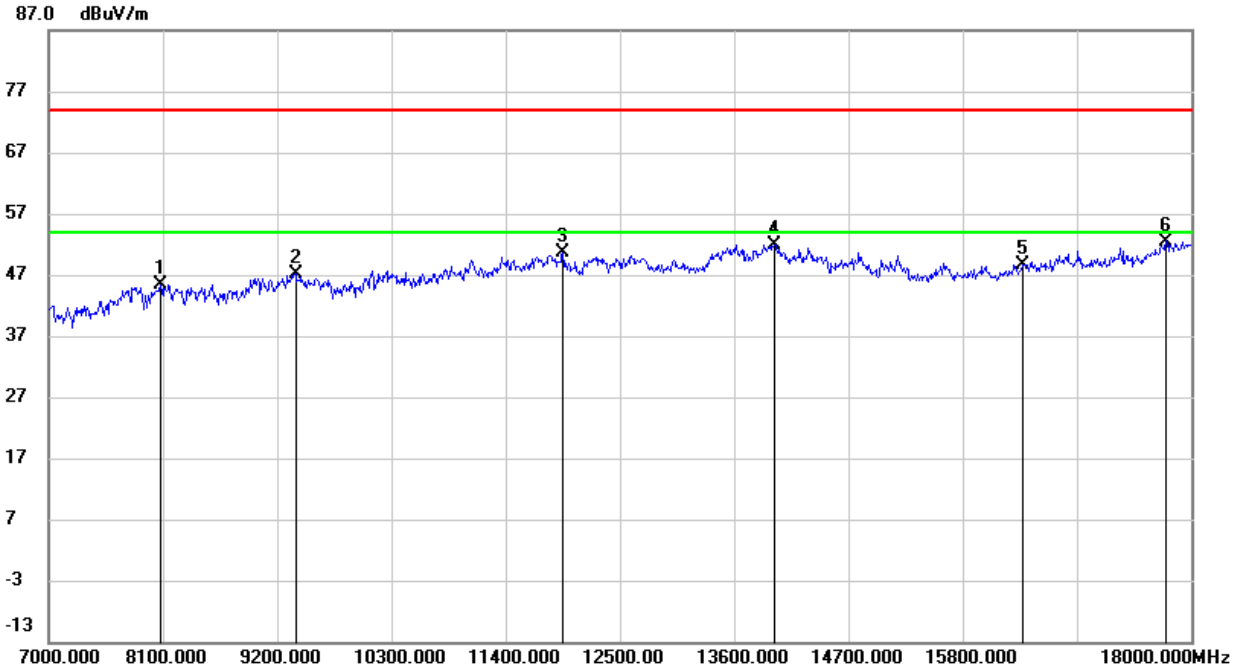
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8078.000	38.46	7.60	46.06	74.00	-27.94	peak
2	9596.000	36.76	10.67	47.43	74.00	-26.57	peak
3	11829.000	33.57	16.95	50.52	74.00	-23.48	peak
4	13897.000	30.81	21.18	51.99	74.00	-22.01	peak
5	16306.000	30.89	17.83	48.72	74.00	-25.28	peak
6	17725.000	28.18	23.89	52.07	74.00	-21.93	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.

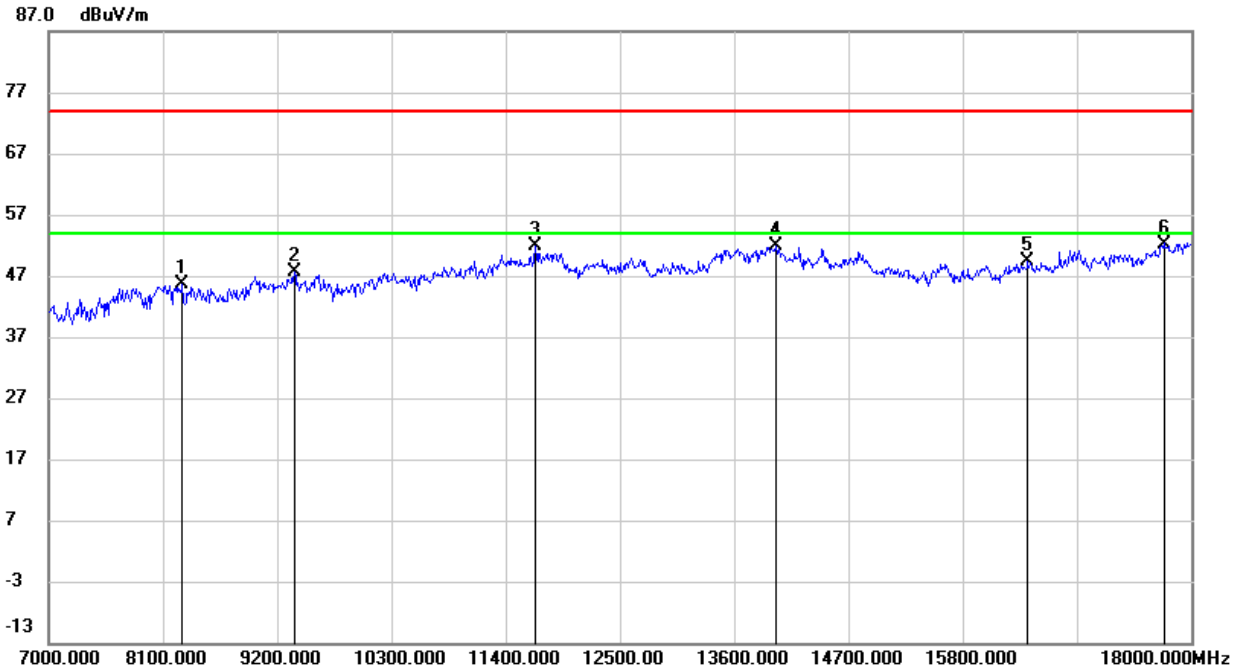
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8078.000	37.68	7.60	45.28	74.00	-28.72	peak
2	9376.000	36.95	10.18	47.13	74.00	-26.87	peak
3	11950.000	33.22	17.29	50.51	74.00	-23.49	peak
4	13985.000	30.50	21.42	51.92	74.00	-22.08	peak
5	16372.000	30.85	17.88	48.73	74.00	-25.27	peak
6	17758.000	28.34	24.16	52.50	74.00	-21.50	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 (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8287.000	37.87	7.66	45.53	74.00	-28.47	peak
2	9365.000	37.47	10.10	47.57	74.00	-26.43	peak
3	11686.000	35.21	16.78	51.99	74.00	-22.01	peak
4	14007.000	30.57	21.42	51.99	74.00	-22.01	peak
5	16427.000	31.35	17.91	49.26	74.00	-24.74	peak
6	17736.000	28.26	23.99	52.25	74.00	-21.75	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.

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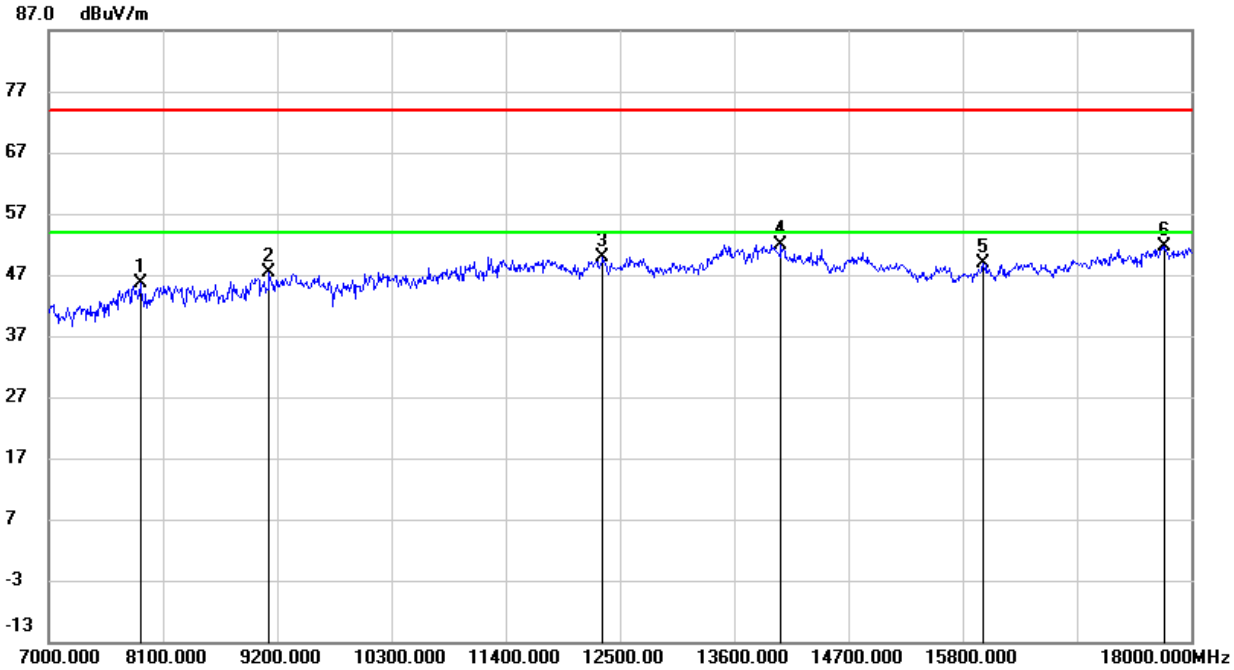
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

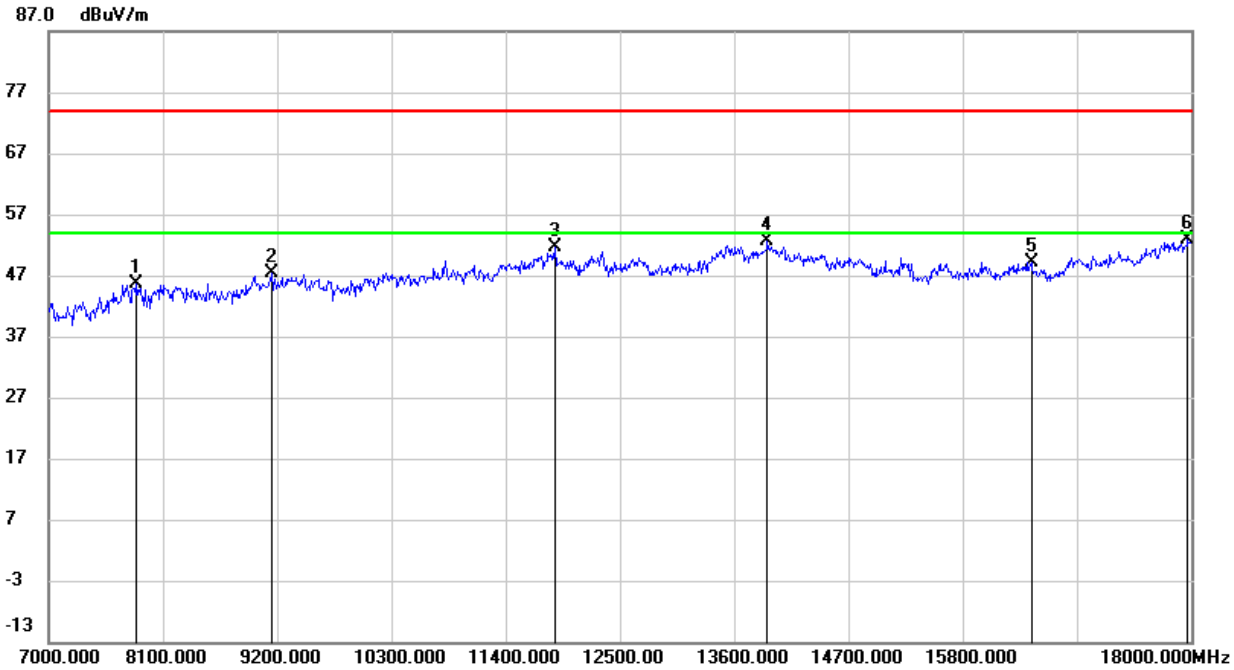


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7880.000	38.86	6.73	45.59	74.00	-28.41	peak
2	9123.000	38.29	9.13	47.42	74.00	-26.58	peak
3	12335.000	32.16	17.61	49.77	74.00	-24.23	peak
4	14051.000	30.70	21.14	51.84	74.00	-22.16	peak
5	15998.000	32.36	16.57	48.93	74.00	-25.07	peak
6	17747.000	27.59	24.08	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.

STRADDLE CHANNEL 138

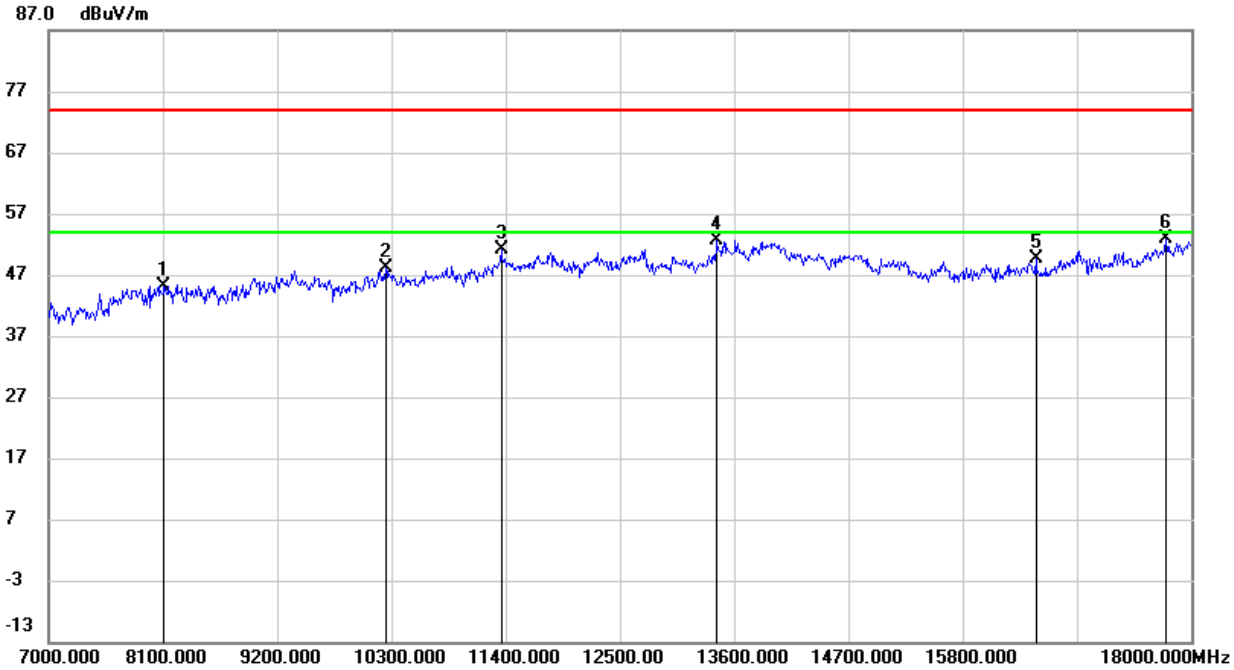
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7847.000	38.63	6.92	45.55	74.00	-28.45	peak
2	9145.000	38.26	9.11	47.37	74.00	-26.63	peak
3	11873.000	34.49	17.11	51.60	74.00	-22.40	peak
4	13919.000	31.28	21.24	52.52	74.00	-21.48	peak
5	16460.000	31.24	17.92	49.16	74.00	-24.84	peak
6	17967.000	27.81	25.06	52.87	74.00	-21.13	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)

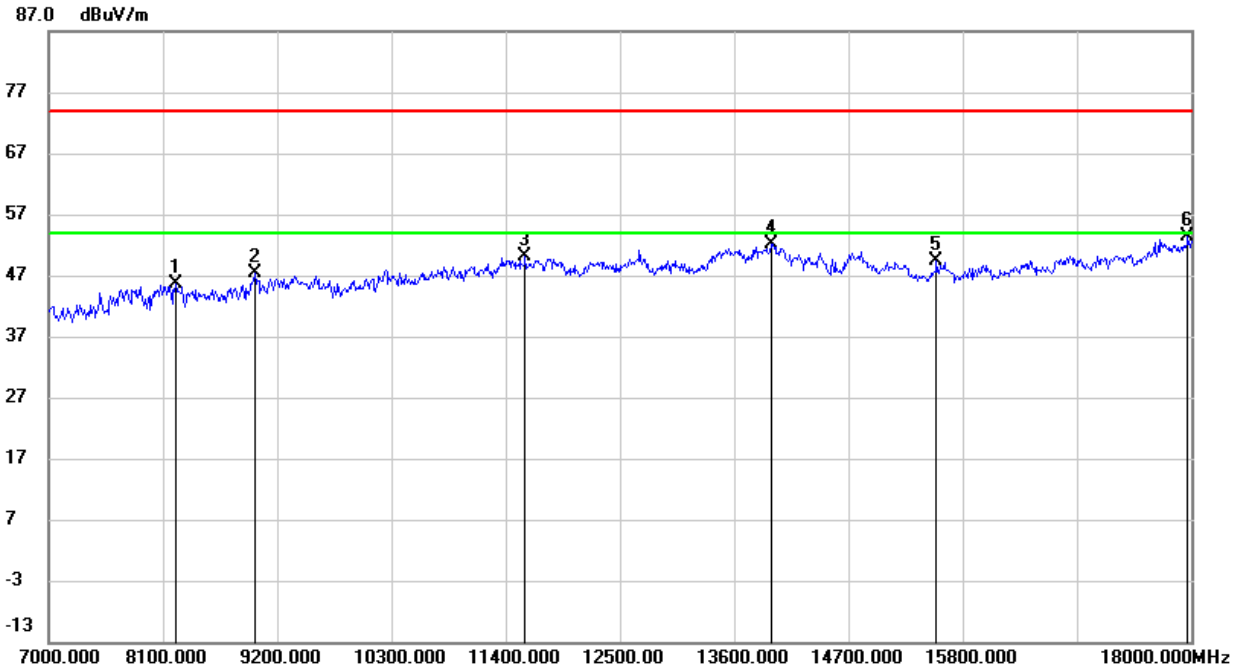


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	8111.000	37.30	7.93	45.23	74.00	-28.77	peak
2	10245.000	36.39	11.76	48.15	74.00	-25.85	peak
3	11356.000	35.82	15.30	51.12	74.00	-22.88	peak
4	13435.000	32.64	20.08	52.72	74.00	-21.28	peak
5	16504.000	31.63	17.95	49.58	74.00	-24.42	peak
6	17758.000	28.75	24.16	52.91	74.00	-21.09	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

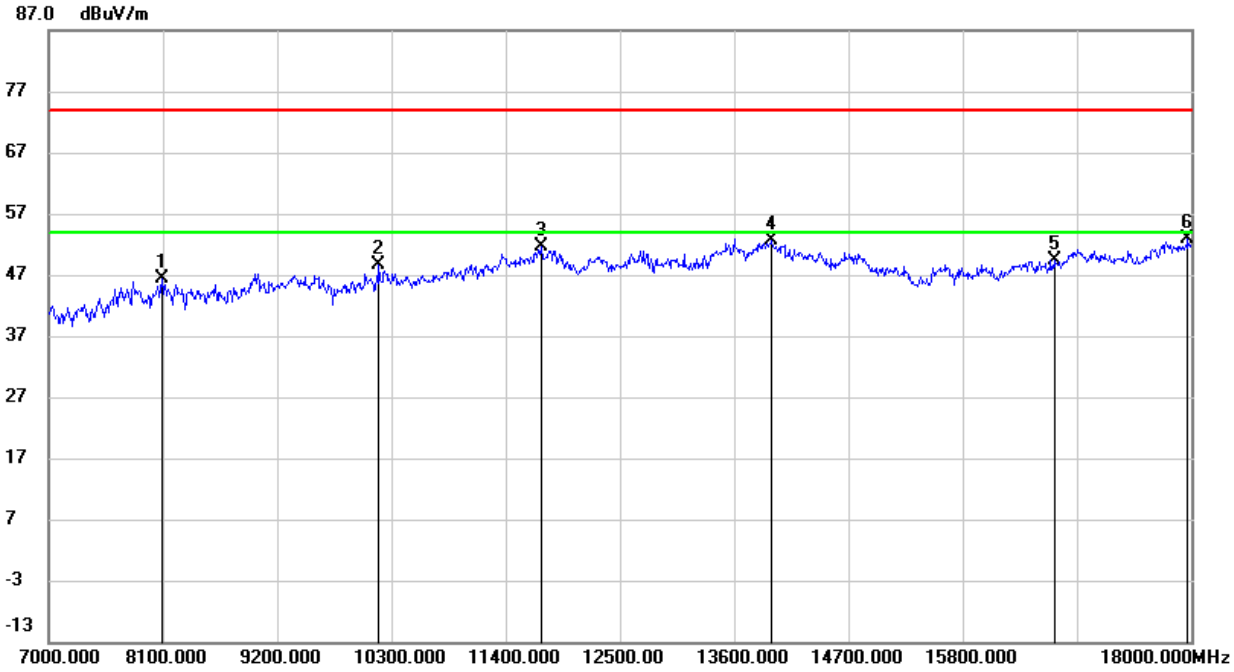
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8221.000	37.92	7.67	45.59	74.00	-28.41	peak
2	8991.000	37.32	9.99	47.31	74.00	-26.69	peak
3	11587.000	33.94	16.14	50.08	74.00	-23.92	peak
4	13952.000	30.84	21.33	52.17	74.00	-21.83	peak
5	15547.000	33.12	16.15	49.27	74.00	-24.73	peak
6	17967.000	28.21	25.06	53.27	74.00	-20.73	peak

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

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



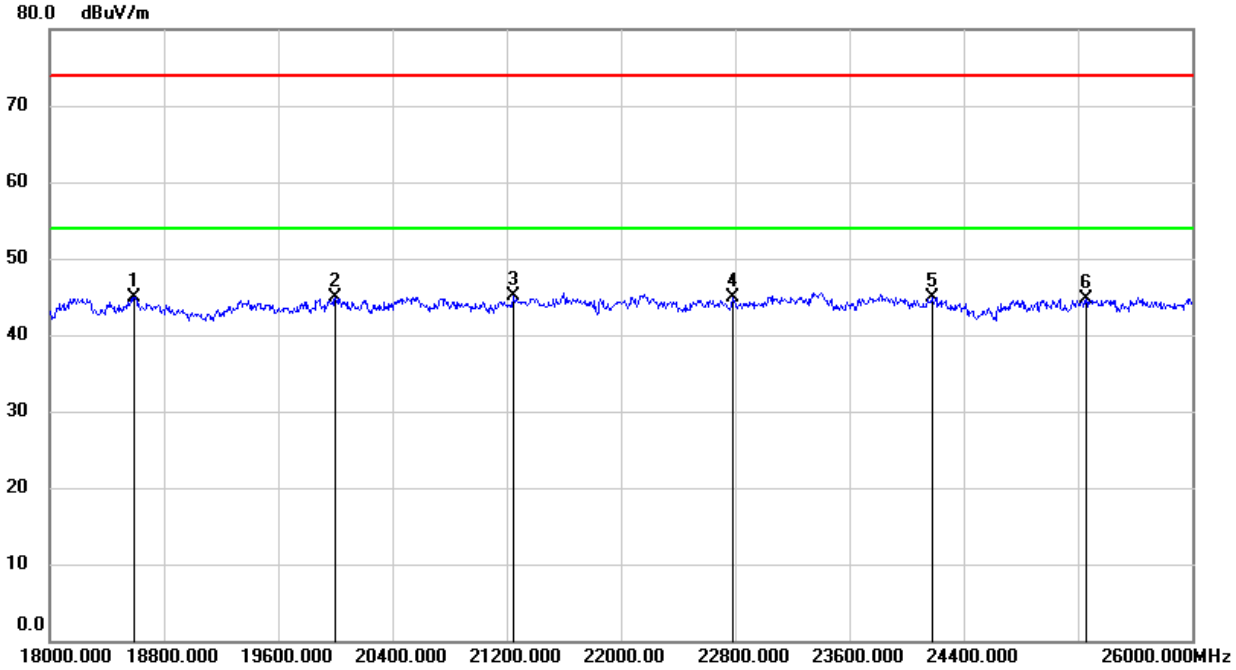
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8089.000	38.53	7.78	46.31	74.00	-27.69	peak
2	10179.000	37.04	11.60	48.64	74.00	-25.36	peak
3	11741.000	34.80	16.86	51.66	74.00	-22.34	peak
4	13963.000	31.22	21.35	52.57	74.00	-21.43	peak
5	16680.000	30.97	18.38	49.35	74.00	-24.65	peak
6	17967.000	27.81	25.06	52.87	74.00	-21.13	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. 802.11a20 MODE

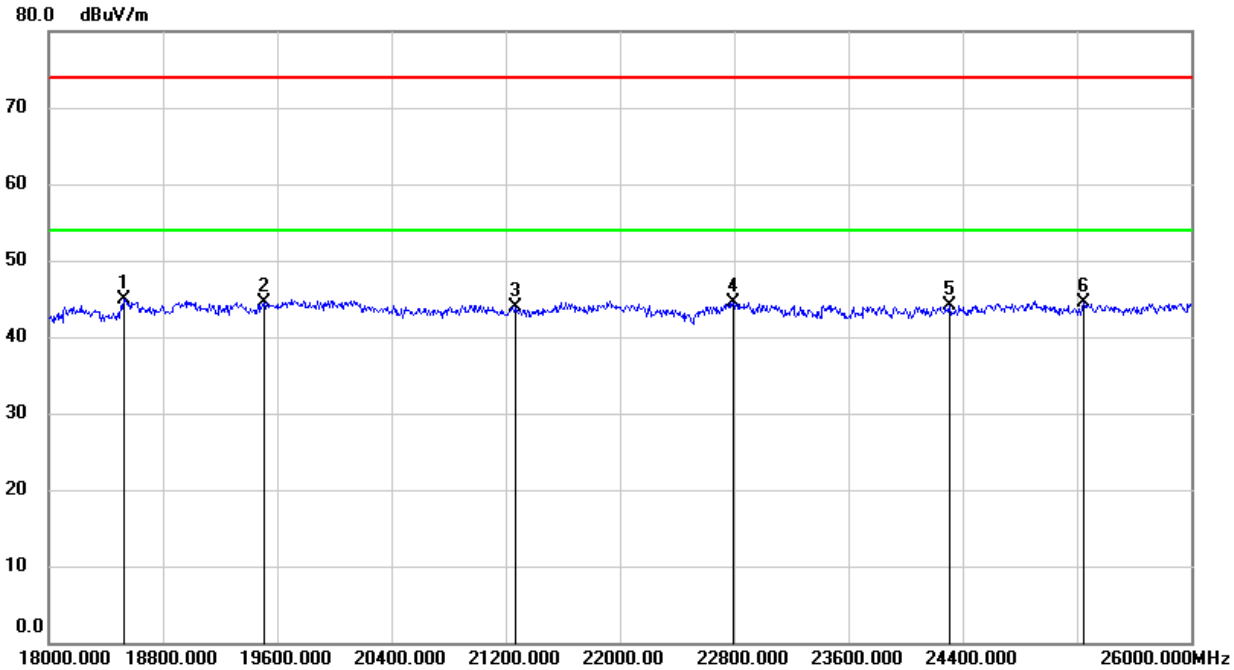
SPURIOUS EMISSIONS (UNII-2C BAND MID CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18592.000	50.25	-5.31	44.94	74.00	-29.06	peak
2	20000.000	50.31	-5.45	44.86	74.00	-29.14	peak
3	21248.000	49.79	-4.77	45.02	74.00	-28.98	peak
4	22784.000	48.48	-3.65	44.83	74.00	-29.17	peak
5	24176.000	47.69	-2.80	44.89	74.00	-29.11	peak
6	25256.000	46.29	-1.67	44.62	74.00	-29.38	peak

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

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	18528.000	50.11	-5.26	44.85	74.00	-29.15	peak
2	19504.000	50.13	-5.54	44.59	74.00	-29.41	peak
3	21272.000	48.75	-4.76	43.99	74.00	-30.01	peak
4	22792.000	48.11	-3.65	44.46	74.00	-29.54	peak
5	24304.000	46.89	-2.72	44.17	74.00	-29.83	peak
6	25248.000	46.09	-1.67	44.42	74.00	-29.58	peak

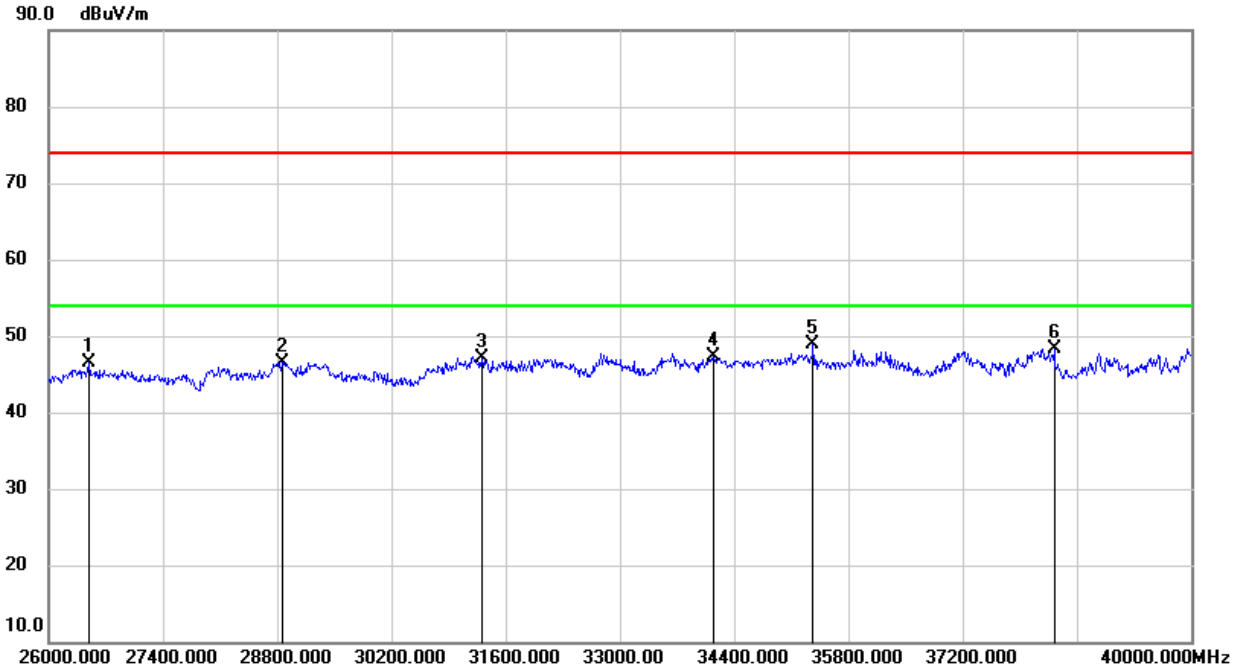
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

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

8.5. SPURIOUS EMISSIONS (26 GHz ~ 40 GHz)

8.5.1. 802.11a20 Mode

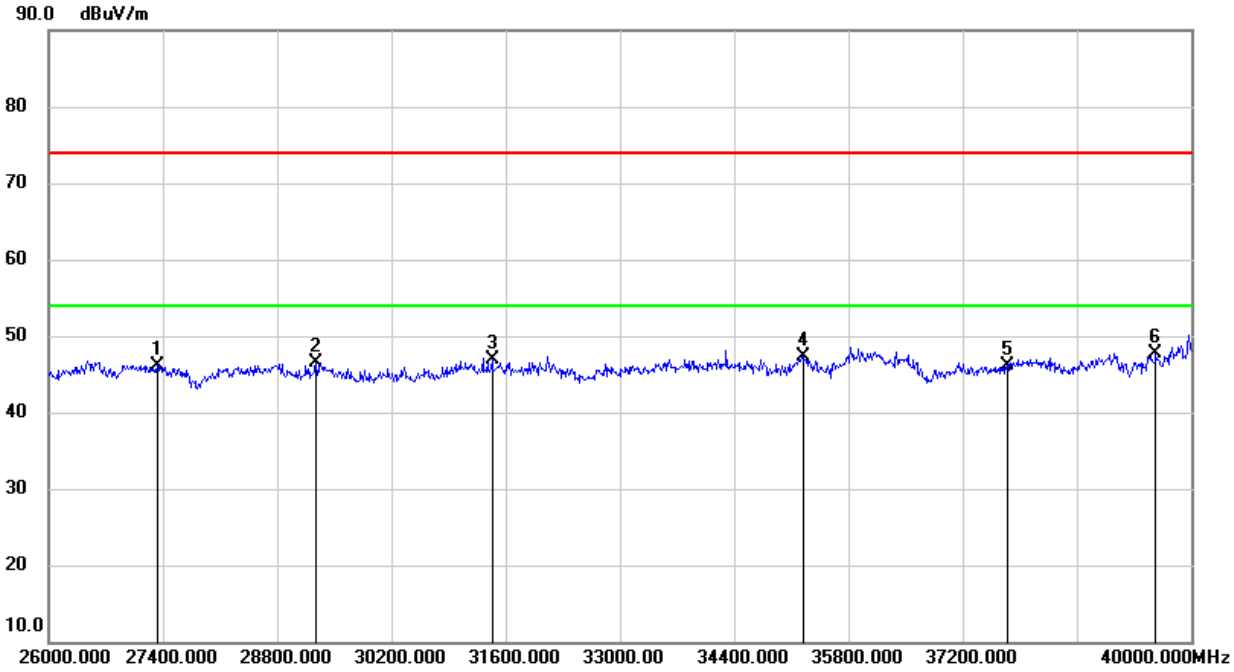
SPURIOUS EMISSIONS (UNII-2C BAND MID CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	26490.000	51.29	-4.74	46.55	74.00	-27.45	peak
2	28856.000	47.37	-0.90	46.47	74.00	-27.53	peak
3	31306.000	48.09	-0.90	47.19	74.00	-26.81	peak
4	34148.000	46.16	1.12	47.28	74.00	-26.72	peak
5	35366.000	46.40	2.59	48.99	74.00	-25.01	peak
6	38320.000	44.56	3.77	48.33	74.00	-25.67	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	27330.000	50.25	-4.05	46.20	74.00	-27.80	peak
2	29276.000	47.51	-1.01	46.50	74.00	-27.50	peak
3	31432.000	48.02	-1.10	46.92	74.00	-27.08	peak
4	35254.000	44.62	2.65	47.27	74.00	-26.73	peak
5	37746.000	42.52	3.66	46.18	74.00	-27.82	peak
6	39566.000	42.74	4.97	47.71	74.00	-26.29	peak

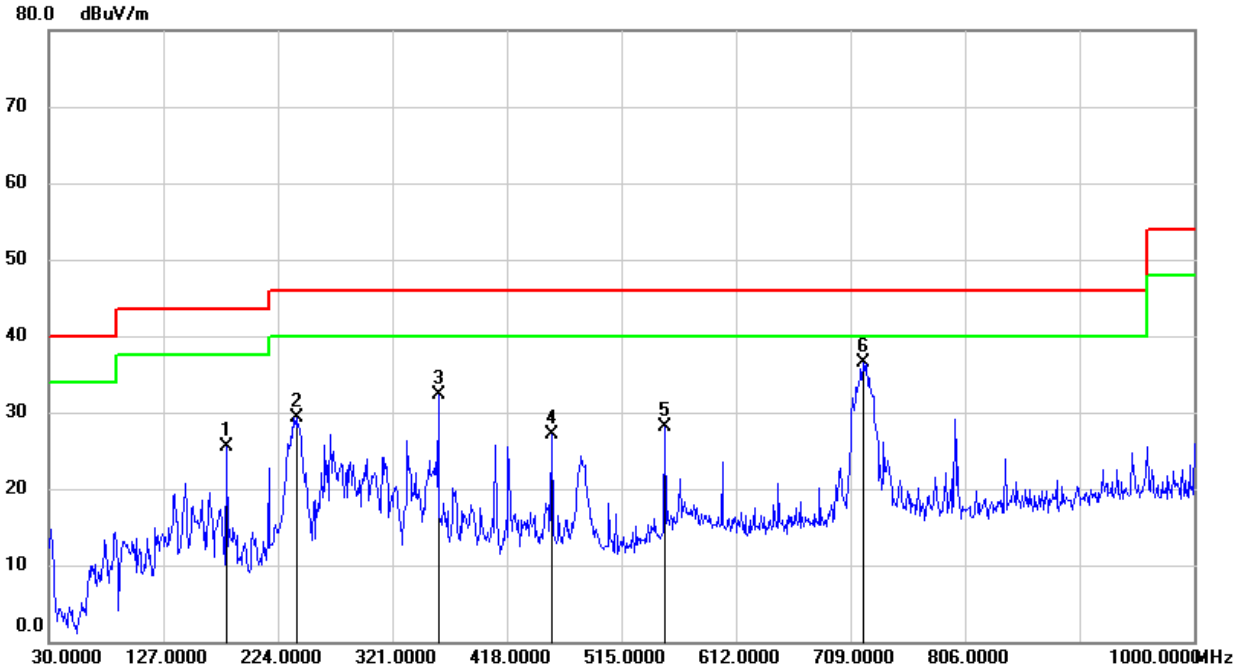
Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.

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

8.6. SPURIOUS EMISSIONS (30 MHz ~ 1 GHz)

8.6.1. 802.11a20 MODE

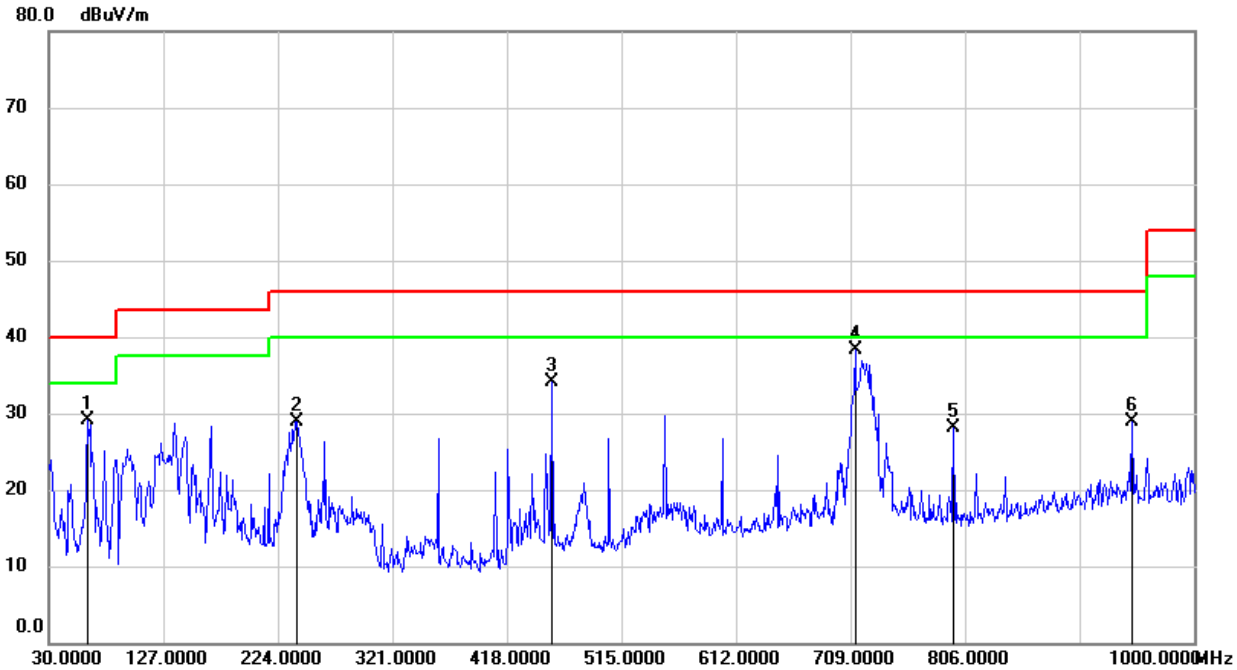
SPURIOUS EMISSIONS (UNII-2C BAND MID CHANNEL, HORIZONTAL, WORST-CASE CONFIGURATION)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	180.3500	42.25	-16.82	25.43	43.50	-18.07	QP
2	239.5200	48.52	-19.16	29.36	46.00	-16.64	QP
3	359.8000	46.32	-14.10	32.22	46.00	-13.78	QP
4	455.8300	39.30	-12.27	27.03	46.00	-18.97	QP
5	551.8600	38.64	-10.46	28.18	46.00	-17.82	QP
6	719.6700	44.54	-8.08	36.46	46.00	-9.54	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	62.9800	49.59	-20.52	29.07	40.00	-10.93	QP
2	239.5200	48.16	-19.16	29.00	46.00	-17.00	QP
3	455.8300	46.36	-12.27	34.09	46.00	-11.91	QP
4	712.8800	46.47	-8.20	38.27	46.00	-7.73	QP
5	796.3000	35.44	-7.35	28.09	46.00	-17.91	QP
6	947.6200	33.29	-4.43	28.86	46.00	-17.14	QP

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

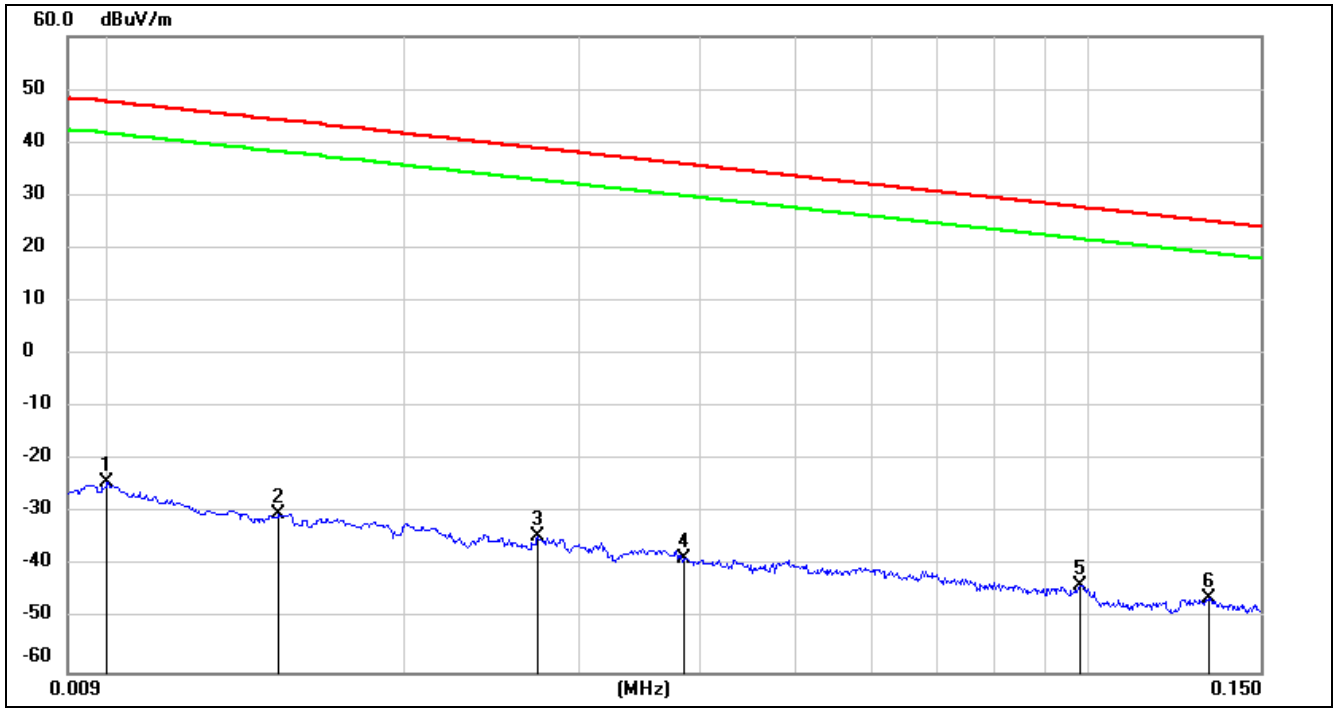
Note: All the modes and antennas had been tested, but only the worst data was recorded in the report.

8.7. SPURIOUS EMISSIONS BELOW 30 MHz

8.7.1. 802.11a20 MODE

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

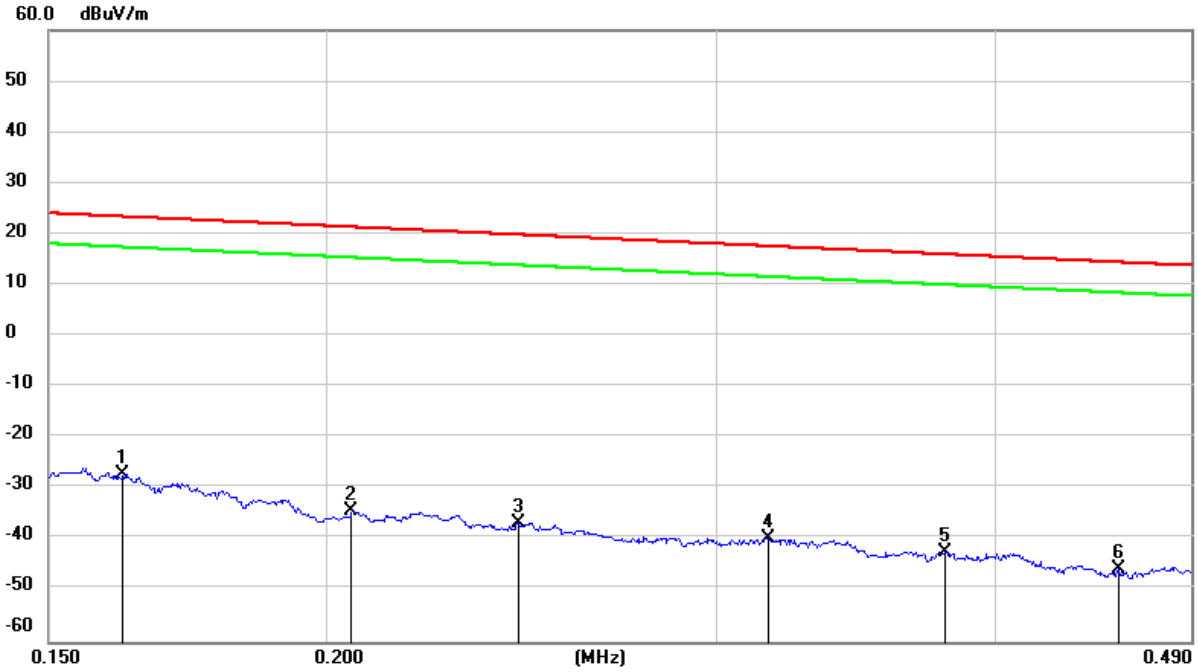
9 kHz~ 150 kHz



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.0100	77.22	-101.40	-24.18	47.6	-75.68	-3.90	-71.78	peak
2	0.0148	71.14	-101.37	-30.23	44.2	-81.73	-7.30	-74.43	peak
3	0.0273	66.99	-101.38	-34.39	38.88	-85.89	-12.62	-73.27	peak
4	0.0386	62.96	-101.43	-38.47	35.87	-89.97	-15.63	-74.34	peak
5	0.0981	58.27	-101.78	-43.51	27.77	-95.01	-23.73	-71.28	peak
6	0.1324	55.67	-101.69	-46.02	25.17	-97.52	-26.33	-71.19	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.

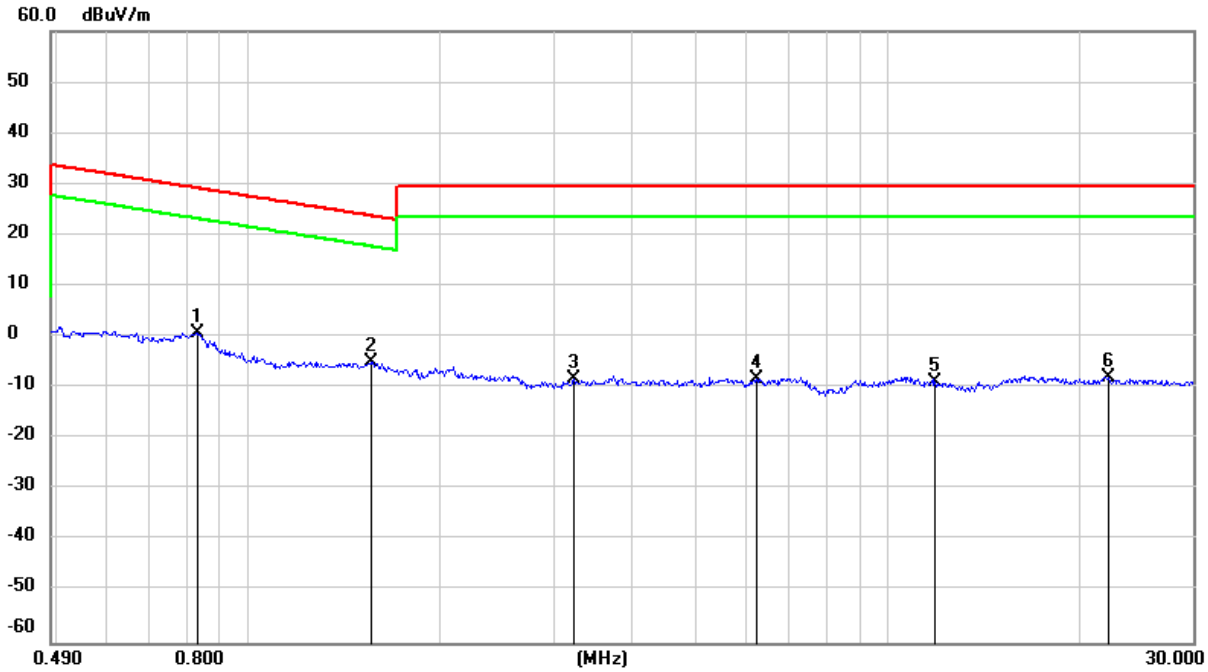
150 kHz ~ 490 kHz



No.	Frequency	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.1621	74.42	-101.65	-27.23	23.41	-78.73	-28.09	-50.64	peak
2	0.2053	67.29	-101.73	-34.44	21.35	-85.94	-30.15	-55.79	peak
3	0.2442	65.03	-101.79	-36.76	19.85	-88.26	-31.65	-56.61	peak
4	0.3163	62.20	-101.87	-39.67	17.6	-91.17	-33.90	-57.27	peak
5	0.3800	59.52	-101.94	-42.42	16.01	-93.92	-35.49	-58.43	peak
6	0.4550	56.14	-102.02	-45.88	14.44	-97.38	-37.06	-60.32	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	Reading	Correct	FCC Result	FCC Limit	ISED Result	ISED Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dBuA/m)	(dBuA/m)	(dB)	
1	0.8296	62.94	-62.17	0.77	29.23	-50.73	-22.27	-28.46	peak
2	1.5564	57.18	-62.02	-4.84	23.76	-56.34	-27.74	-28.60	peak
3	3.2343	53.29	-61.53	-8.24	29.54	-59.74	-21.96	-37.78	peak
4	6.2445	53.13	-61.32	-8.19	29.54	-59.69	-21.96	-37.73	peak
5	11.8513	52.06	-60.88	-8.82	29.54	-60.32	-21.96	-38.36	peak
6	22.1503	52.70	-60.67	-7.97	29.54	-59.47	-21.96	-37.51	peak

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV and QP limit, AV and QP Result are deemed to comply with AV limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. dBuA/m = dBuV/m – 20log10(120π) = dBuV/m -51.5.

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

9. AC POWER LINE CONDUCTED EMISSIONS

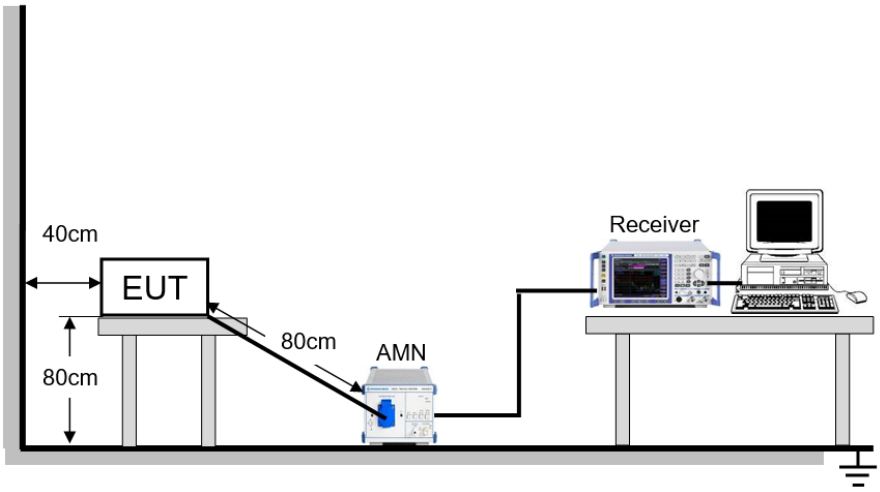
LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISED RSS-Gen Clause 8.8

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.

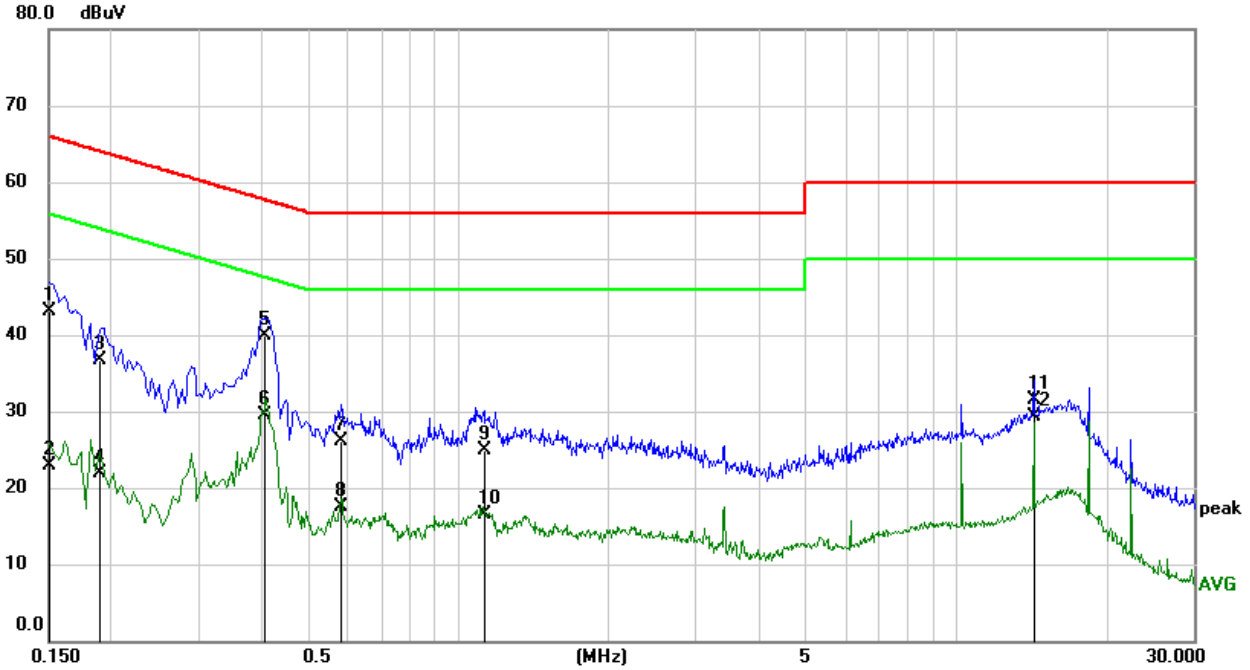
TEST ENVIRONMENT

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 MODE

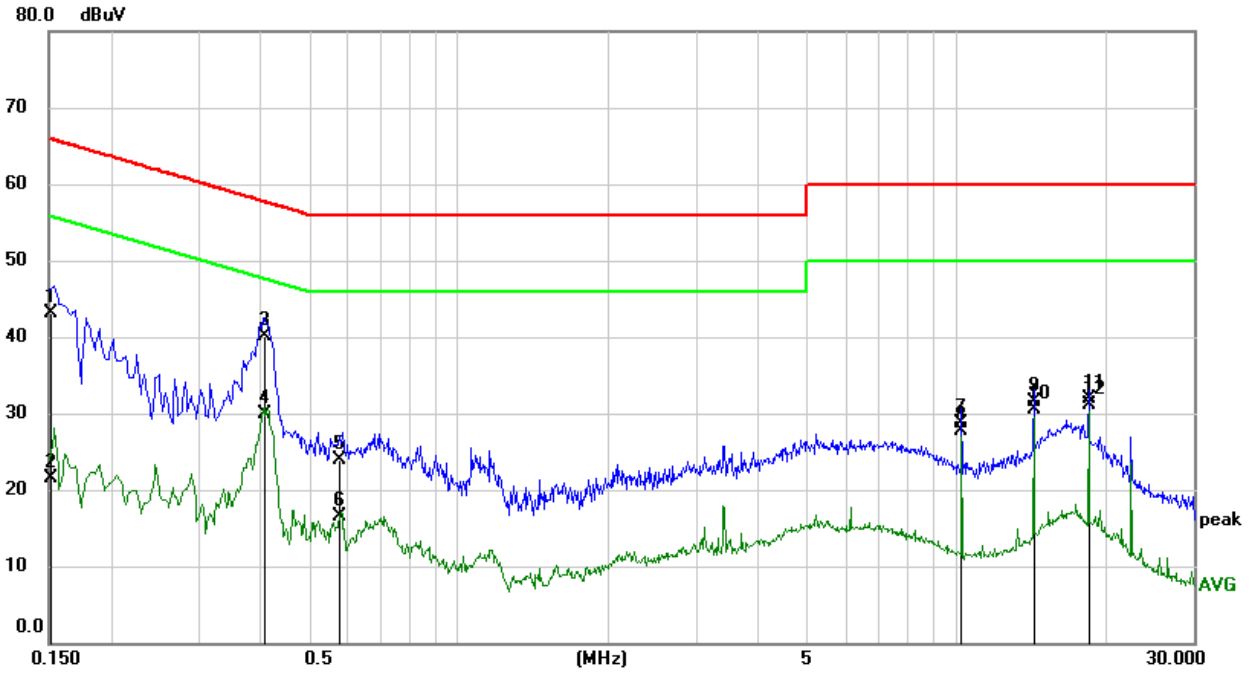
LINE L RESULTS (UNII-2C BAND MID CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1510	33.48	9.59	43.07	65.94	-22.87	QP
2	0.1510	13.26	9.59	22.85	55.94	-33.09	AVG
3	0.1896	27.09	9.59	36.68	64.05	-27.37	QP
4	0.1896	12.40	9.59	21.99	54.05	-32.06	AVG
5	0.4072	30.57	9.39	39.96	57.71	-17.75	QP
6	0.4072	20.19	9.39	29.58	47.71	-18.13	AVG
7	0.5809	16.77	9.42	26.19	56.00	-29.81	QP
8	0.5809	8.03	9.42	17.45	46.00	-28.55	AVG
9	1.1300	15.30	9.61	24.91	56.00	-31.09	QP
10	1.1300	6.97	9.61	16.58	46.00	-29.42	AVG
11	14.3358	21.74	9.76	31.50	60.00	-28.50	QP
12	14.3358	19.49	9.76	29.25	50.00	-20.75	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 N RESULTS (UNII-2A BAND HIGH CHANNEL, WORST-CASE CONFIGURATION)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1511	33.51	9.59	43.10	65.94	-22.84	QP
2	0.1511	11.87	9.59	21.46	55.94	-34.48	AVG
3	0.4098	30.74	9.39	40.13	57.65	-17.52	QP
4	0.4098	20.59	9.39	29.98	47.65	-17.67	AVG
5	0.5813	14.58	9.42	24.00	56.00	-32.00	QP
6	0.5813	7.01	9.42	16.43	46.00	-29.57	AVG
7	10.2399	18.95	9.72	28.67	60.00	-31.33	QP
8	10.2399	18.04	9.72	27.76	50.00	-22.24	AVG
9	14.3358	21.66	9.76	31.42	60.00	-28.58	QP
10	14.3358	20.78	9.76	30.54	50.00	-19.46	AVG
11	18.4318	22.26	9.74	32.00	60.00	-28.00	QP
12	18.4318	21.33	9.74	31.07	50.00	-18.93	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 -20 °C ~ 65 °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.

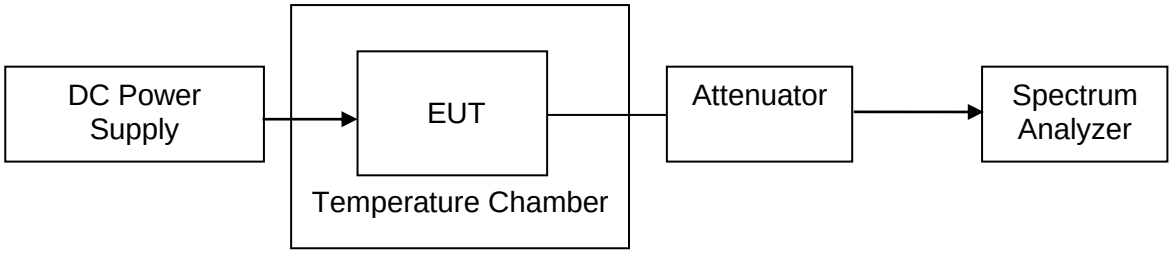
Connect the EUT to the spectrum analyser and use the following settings:

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	NT(Normal Temperature): 23.5°C	LT(Low Temperature): -20 °C
		HT(High Temperature): 65 °C
Supply Voltage	NV(Normal Voltage): DC 3.3 V	LT(Low Voltage): DC 2.97 V
		HT(High Voltage): DC 3.63 V

RESULTS

Please refer to Appendix H.

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

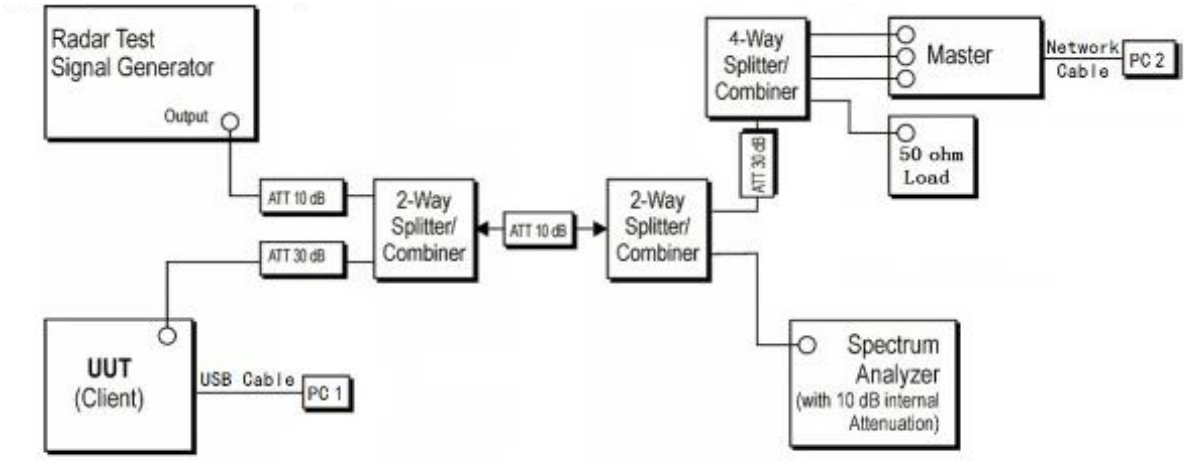
Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	60%	30
		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	20.7 °C	Relative Humidity	48 %
Atmosphere Pressure	101 kPa	Test Voltage	DC 3.3 V

RESULTS

Please refer to Appendix E & F & G.

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

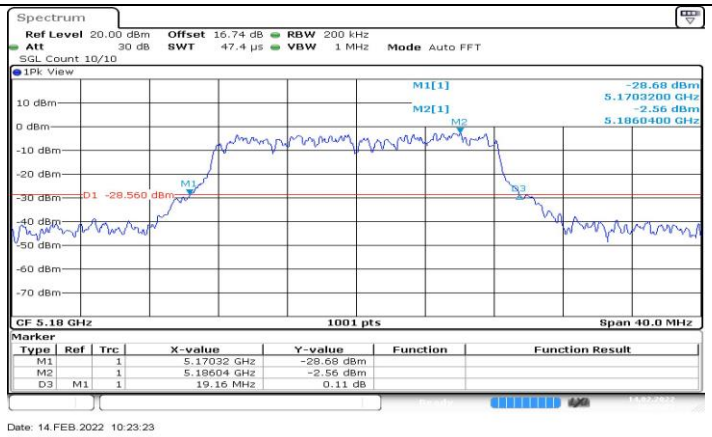
Complies

12.1. Appendix A1: Emission Bandwidth

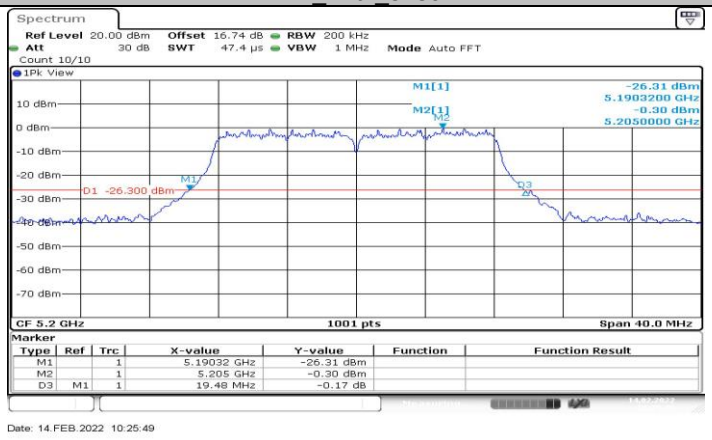
12.1.1. Test Result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11A20	Ant1	5180	19.16	5170.32	5189.48	PASS
		5200	19.48	5190.32	5209.80	PASS
		5240	19.60	5230.24	5249.84	PASS
		5260	19.76	5250.04	5269.80	PASS
		5280	20.36	5270.04	5290.40	PASS
		5320	19.96	5310.04	5330.00	PASS
		5500	19.92	5490.20	5510.12	PASS
		5580	19.80	5570.28	5590.08	PASS
		5700	19.92	5689.96	5709.88	PASS
		5720	19.60	5710.28	5729.88	PASS
		5720_UNII-2C	14.72	5710.28	5725	PASS
		5720_UNII-3	4.88	5725	5729.88	PASS
		5745	19.92	5734.92	5754.84	PASS
		5785	19.92	5775.00	5794.92	PASS
		5825	20.00	5815.04	5835.04	PASS
11N20SISO	Ant1	5180	20.24	5169.96	5190.20	PASS
		5200	20.16	5189.80	5209.96	PASS
		5240	20.44	5229.72	5250.16	PASS
		5260	20.28	5249.80	5270.08	PASS
		5280	20.20	5269.88	5290.08	PASS
		5320	20.28	5309.92	5330.20	PASS
		5500	20.48	5489.60	5510.08	PASS
		5580	20.48	5569.68	5590.16	PASS
		5700	20.44	5689.68	5710.12	PASS
		5720	20.52	5709.68	5730.20	PASS
		5720_UNII-2C	15.32	5709.68	5725	PASS
		5720_UNII-3	5.2	5725	5730.20	PASS
		5745	20.60	5734.48	5755.08	PASS
		5785	20.48	5774.52	5795.00	PASS
		5825	20.16	5815.04	5835.20	PASS
11N40SISO	Ant1	5190	42.16	5169.28	5211.44	PASS
		5230	42.08	5209.28	5251.36	PASS
		5270	42.48	5248.96	5291.44	PASS
		5310	41.92	5289.36	5331.28	PASS
		5510	42.88	5488.88	5531.76	PASS
		5550	42.72	5528.88	5571.60	PASS
		5670	42.96	5648.56	5691.52	PASS
		5710	43.28	5688.64	5731.92	PASS
		5710_UNII-2C	36.36	5688.64	5725	PASS
		5710_UNII-3	6.92	5725	5731.92	PASS
		5755	42.24	5733.88	5776.12	PASS
		5795	42.88	5773.80	5816.68	PASS
11AC80SISO	Ant1	5210	81.28	5169.52	5250.80	PASS
		5290	81.60	5249.36	5330.96	PASS
		5530	82.08	5489.04	5571.12	PASS
		5610	81.44	5569.36	5650.80	PASS
		5690	81.92	5649.20	5731.12	PASS
		5690_UNII-2C	75.8	5649.20	5725	PASS
		5690_UNII-3	6.12	5725	5731.12	PASS
		5775	82.24	5733.88	5816.12	PASS

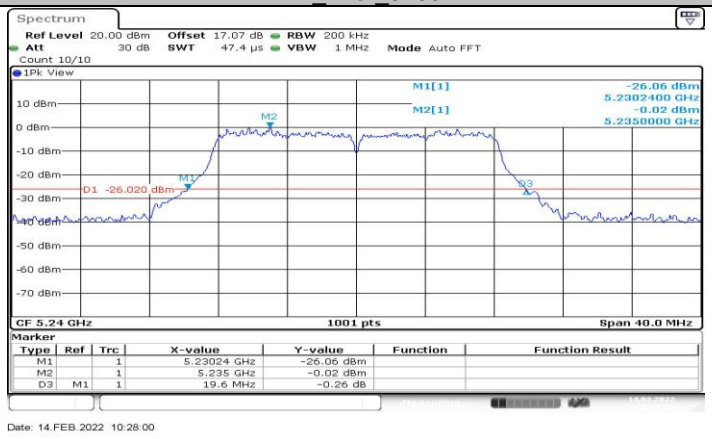
12.1.2. Test Graphs



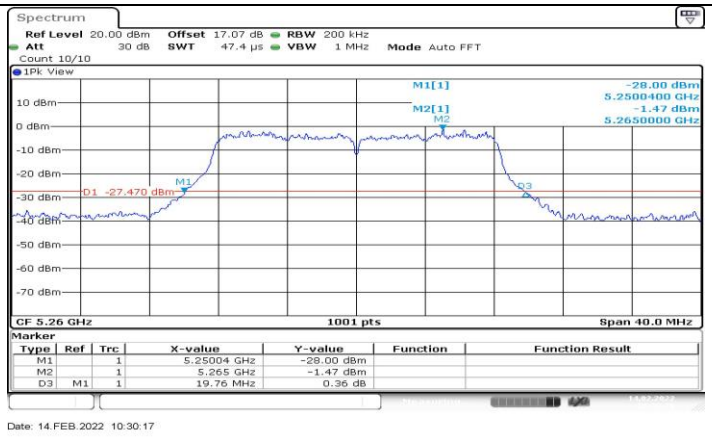
11A_Ant1_5180



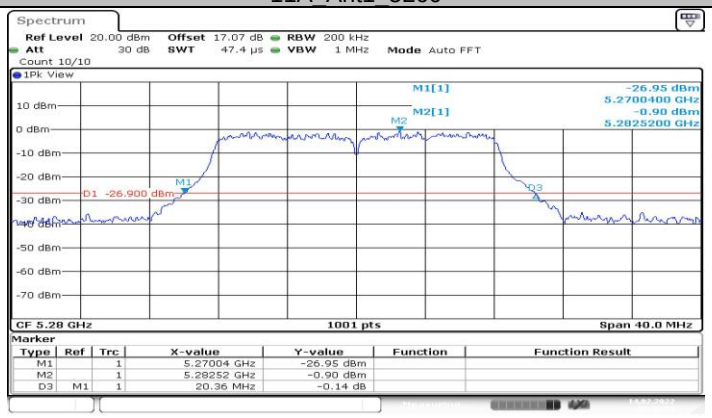
11A_Ant1_5200



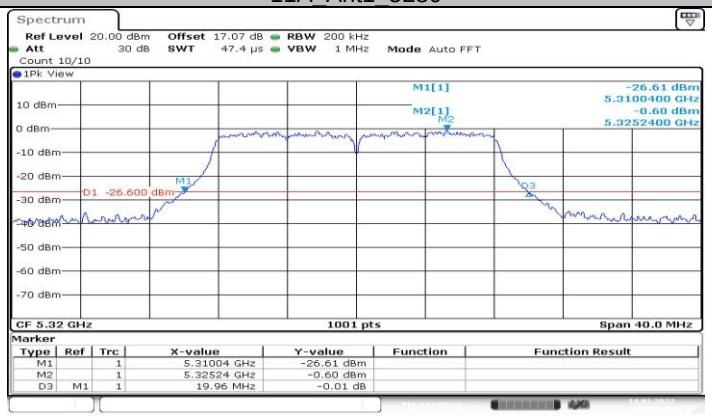
11A_Ant1_5240



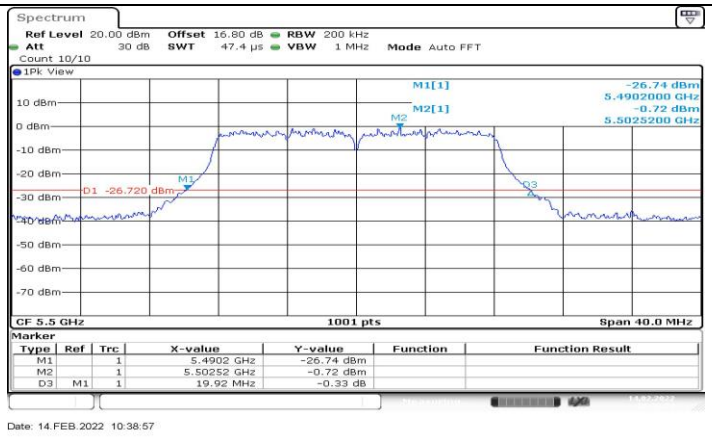
11A_Ant1_5260



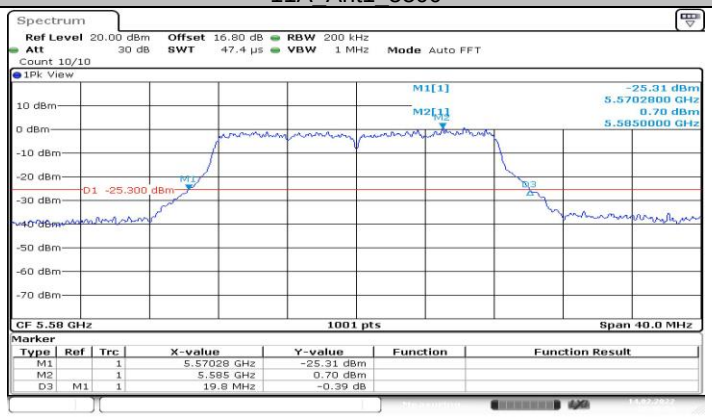
11A_Ant1_5280



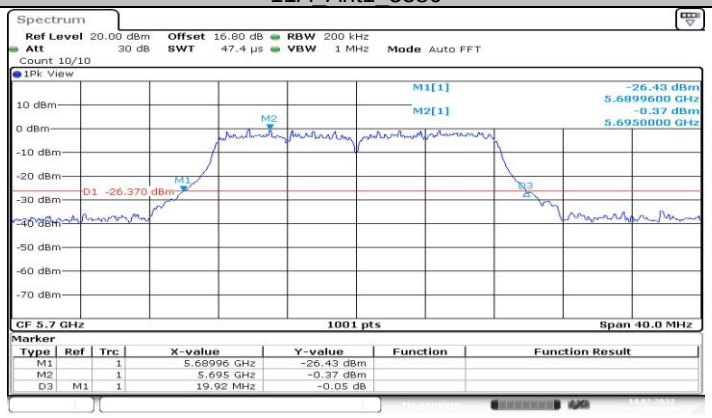
11A_Ant1_5320



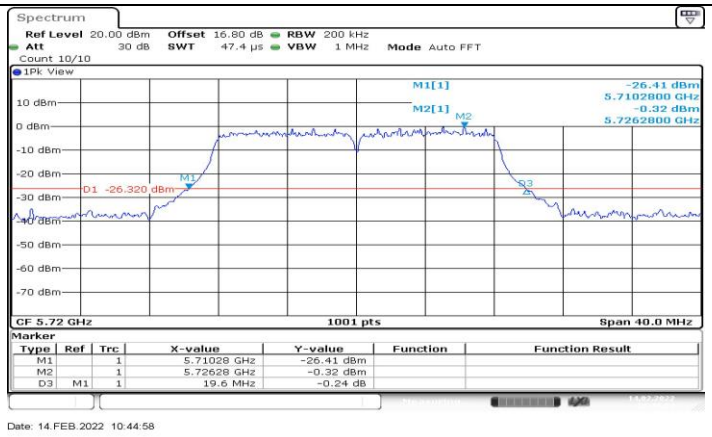
11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



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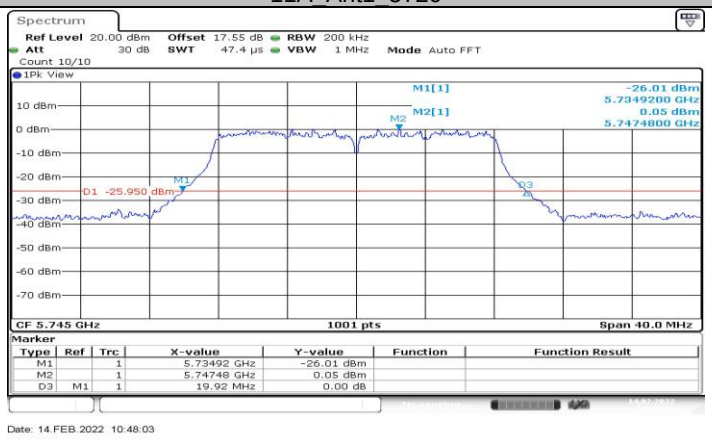
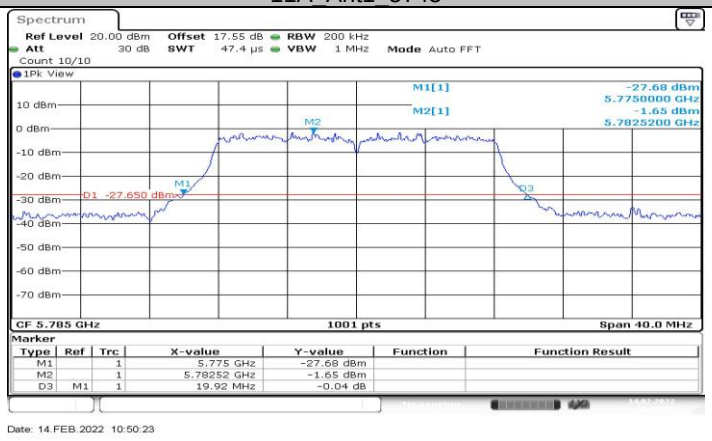
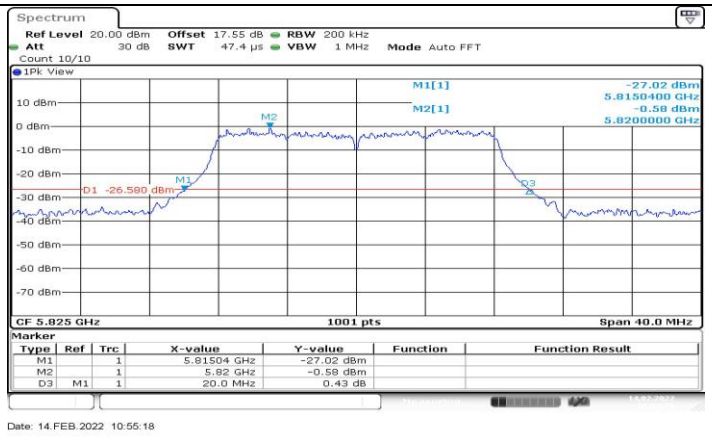


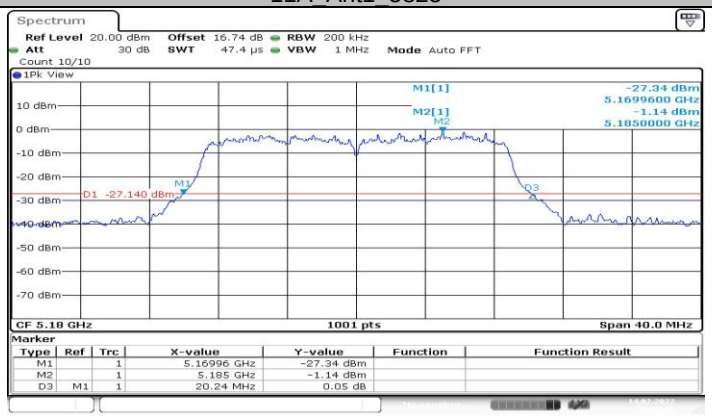
11A_Ant1_5745



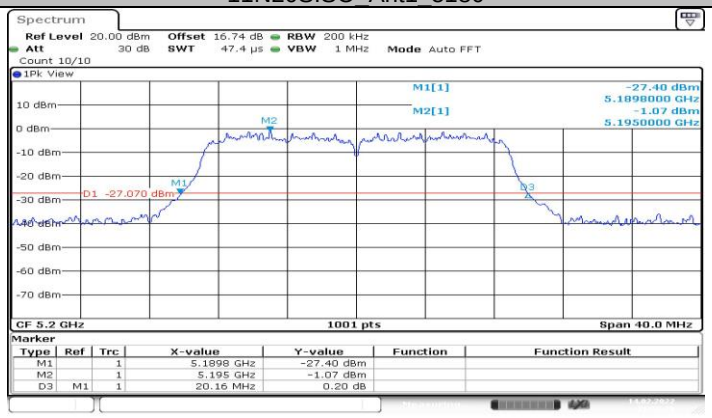
11A_Ant1_5785



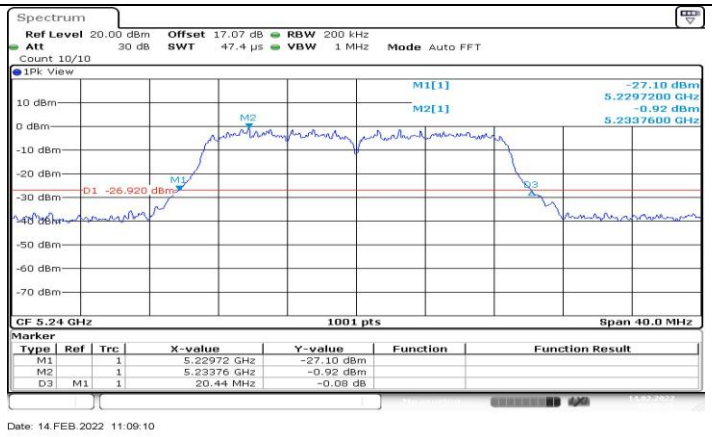
11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



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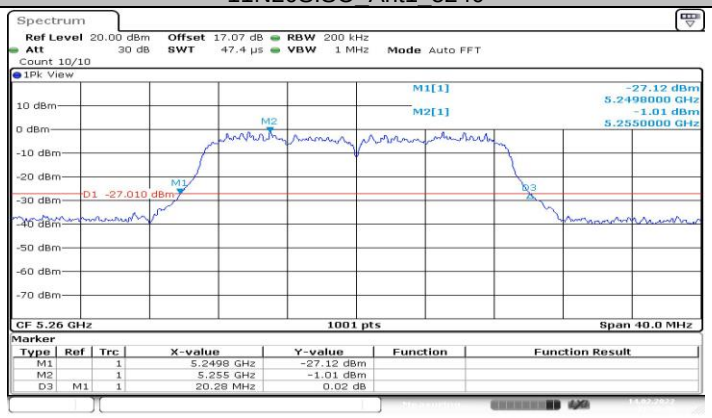

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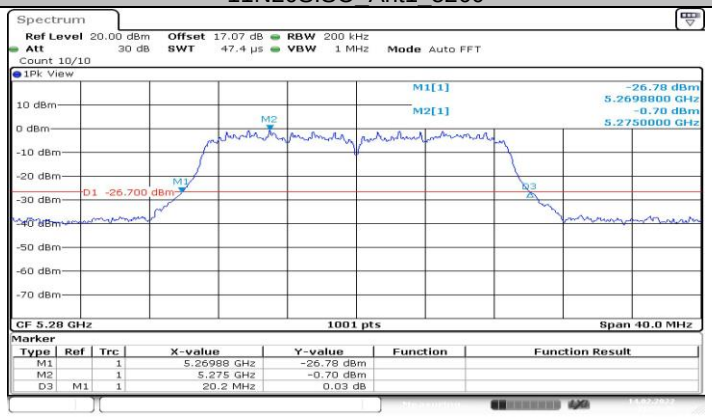

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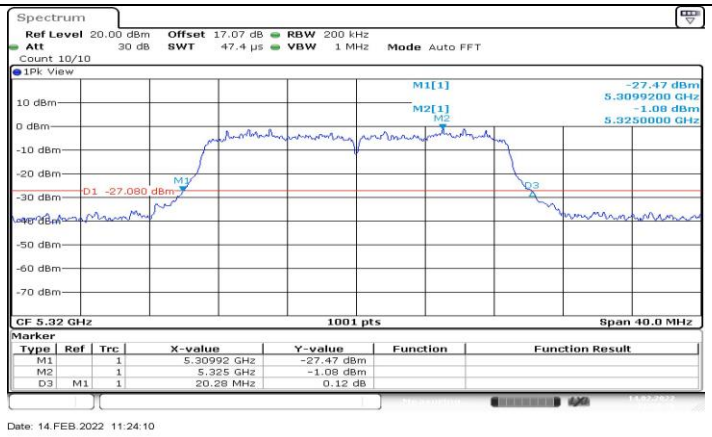

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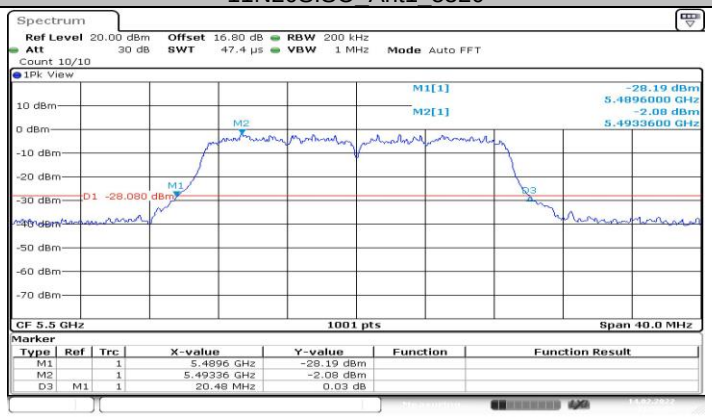
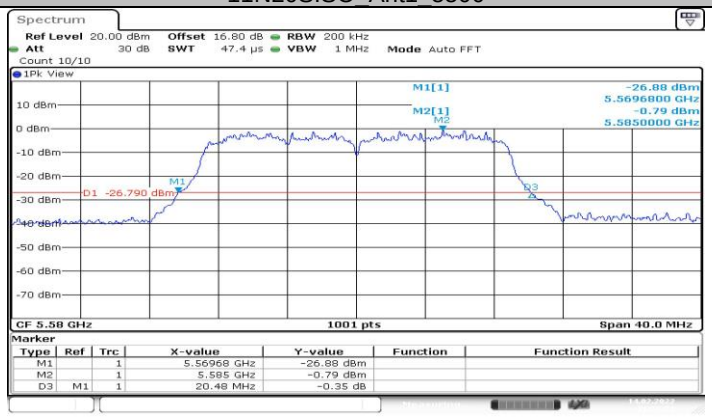
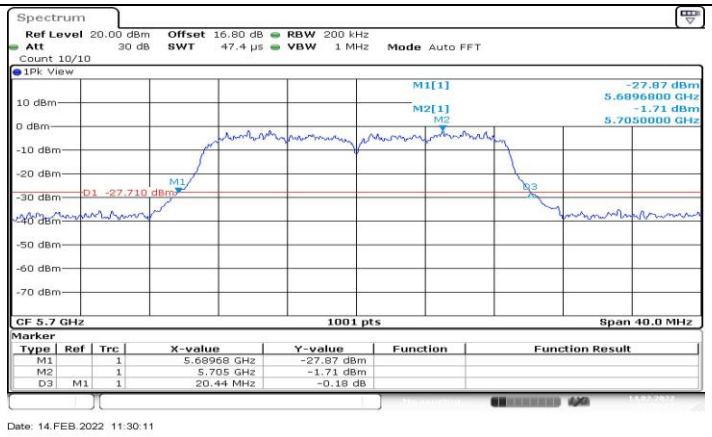


11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



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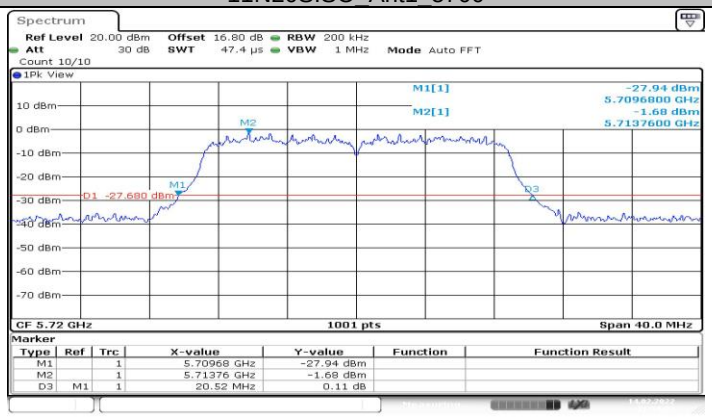

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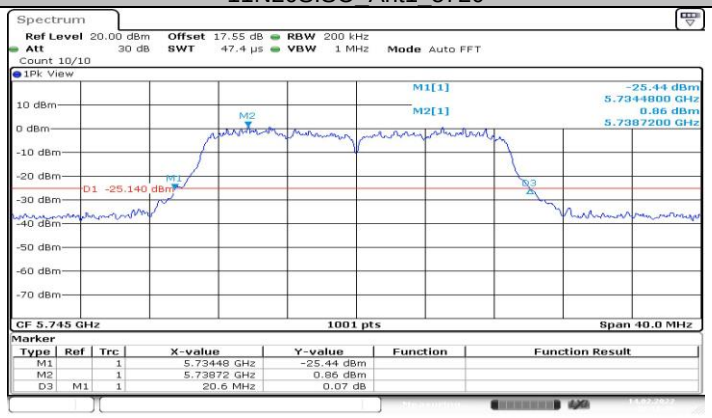
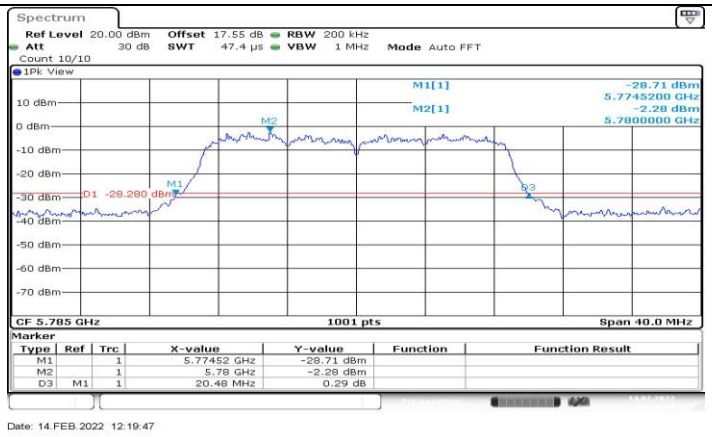
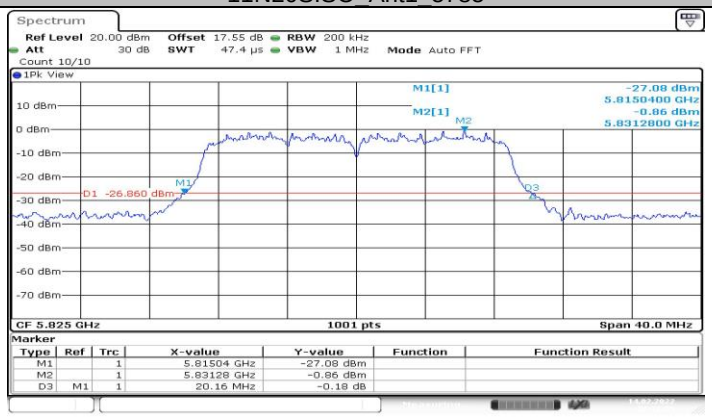


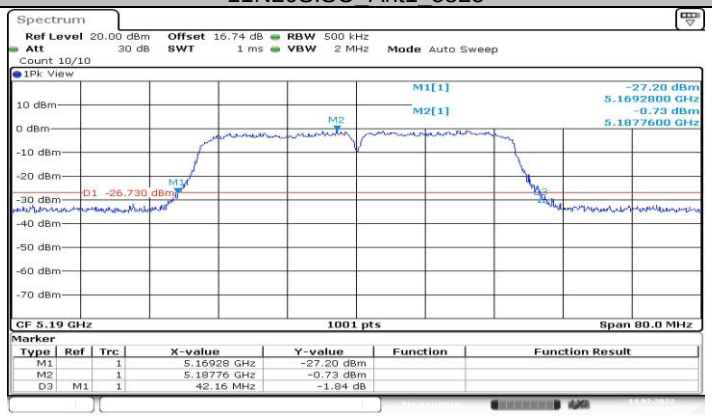
11N20SISO_Ant1_5745



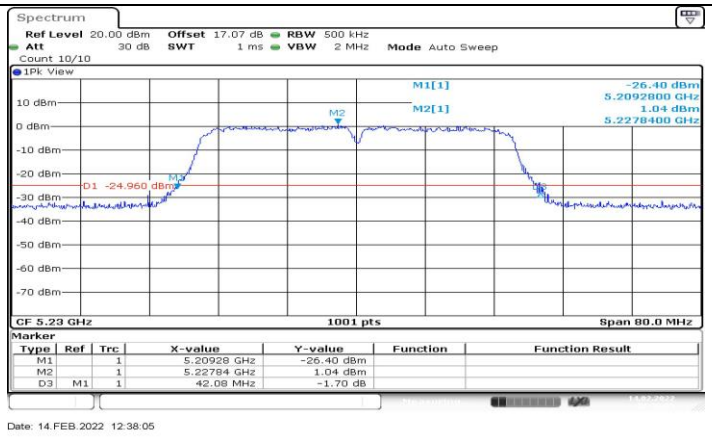
11N20SISO_Ant1_5785



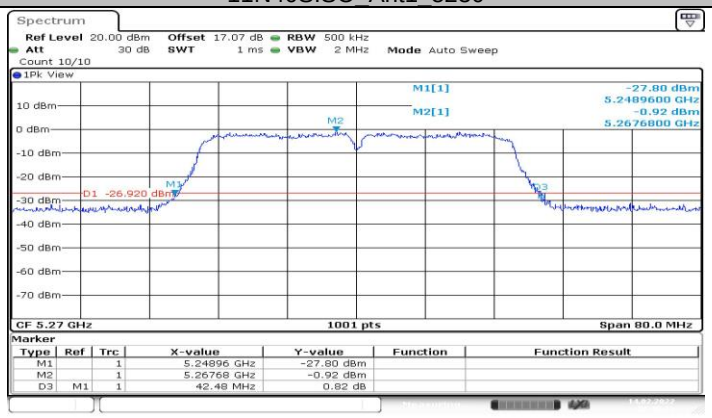
11N20SISO_Ant1_5825



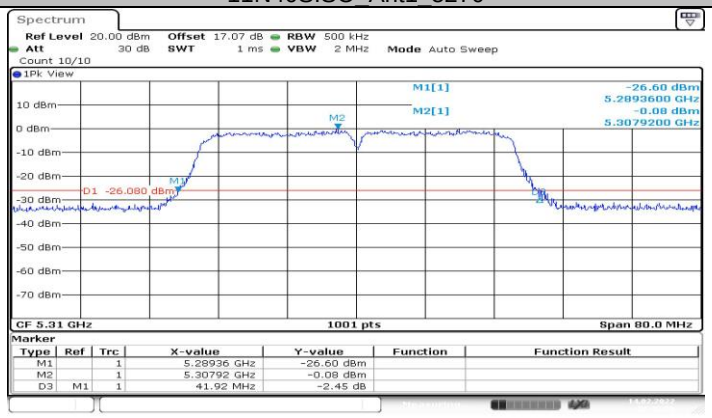
11N40SISO_Ant1_5190



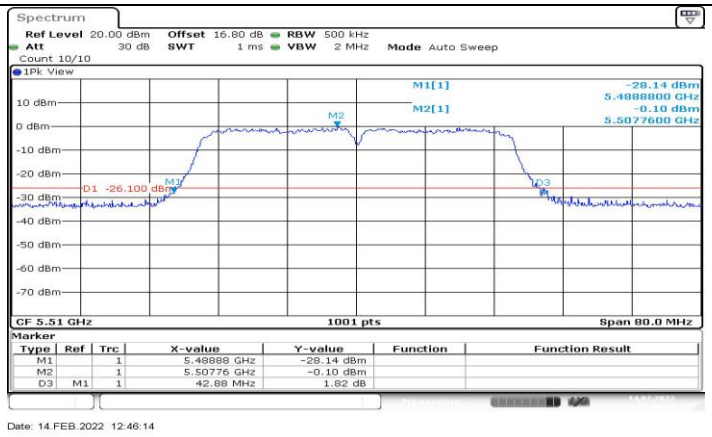
11N40SISO_Ant1_5230



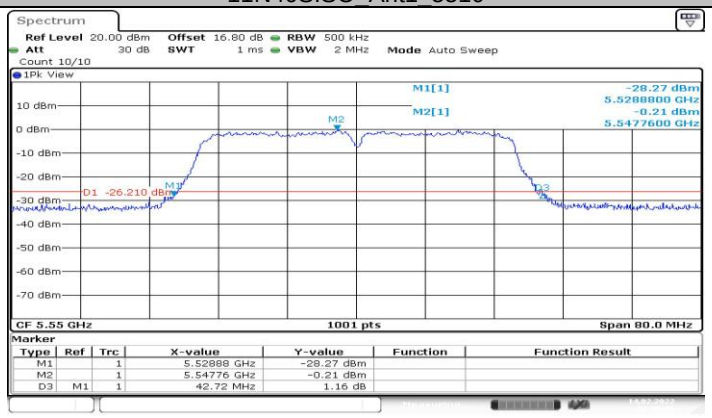
11N40SISO_Ant1_5270



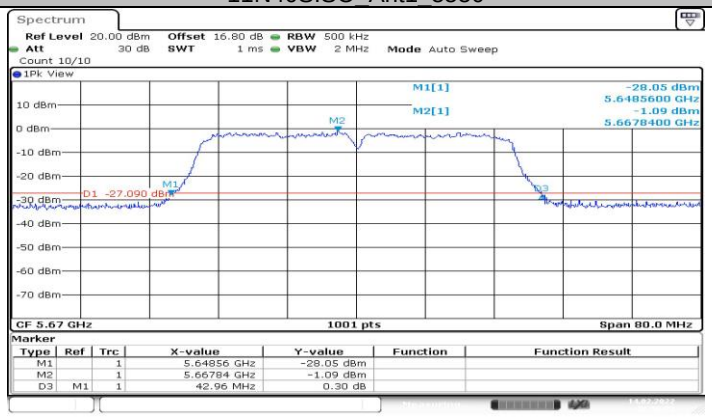
11N40SISO_Ant1_5310



11N40SISO_Ant1_5510



11N40SISO_Ant1_5550



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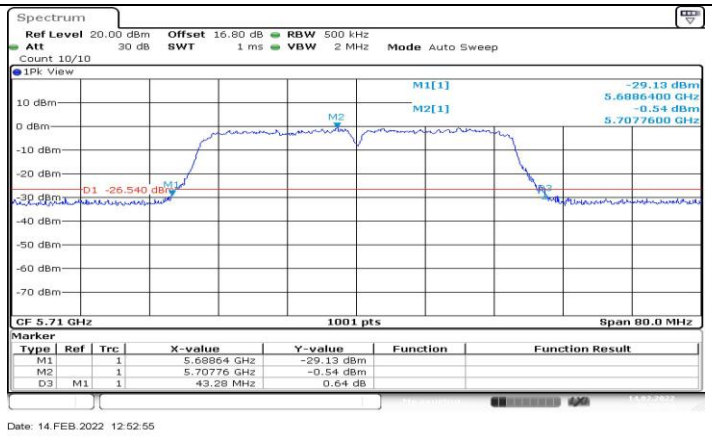

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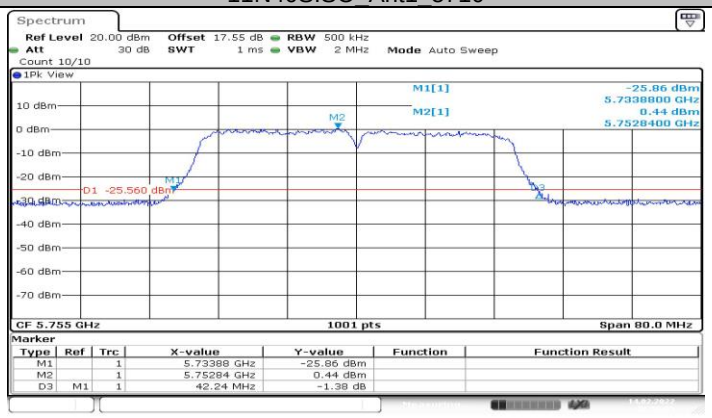
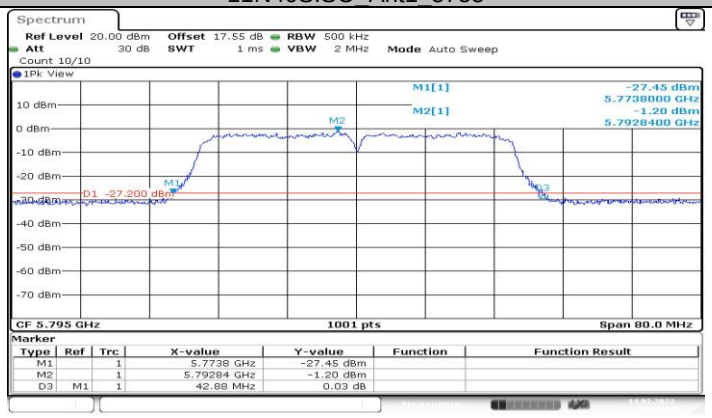
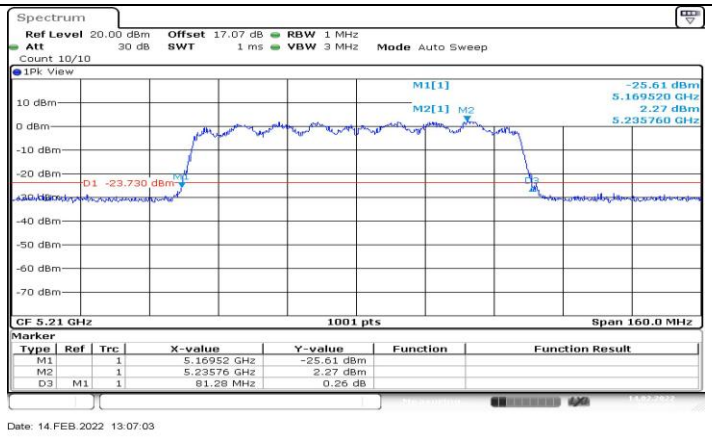


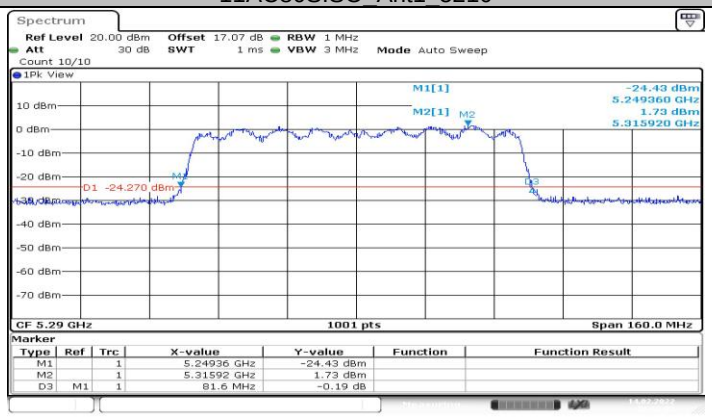
11N40SISO_Ant1_5755



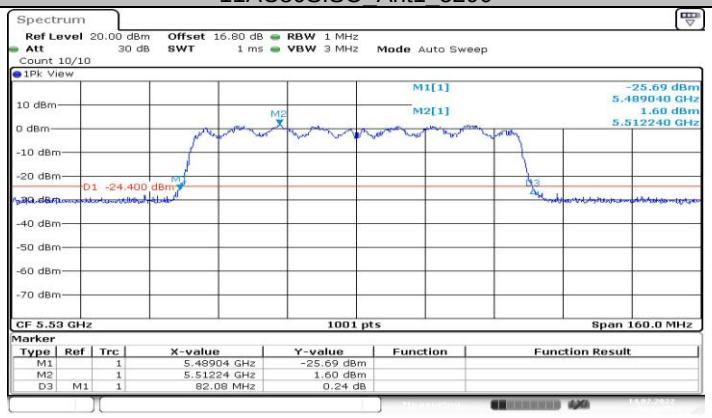
11N40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5290



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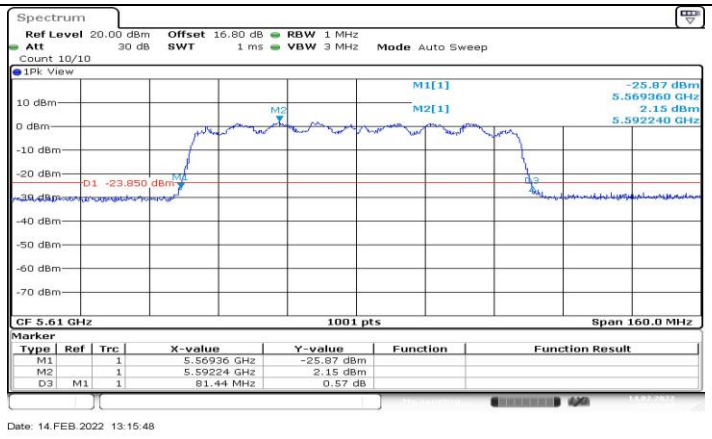

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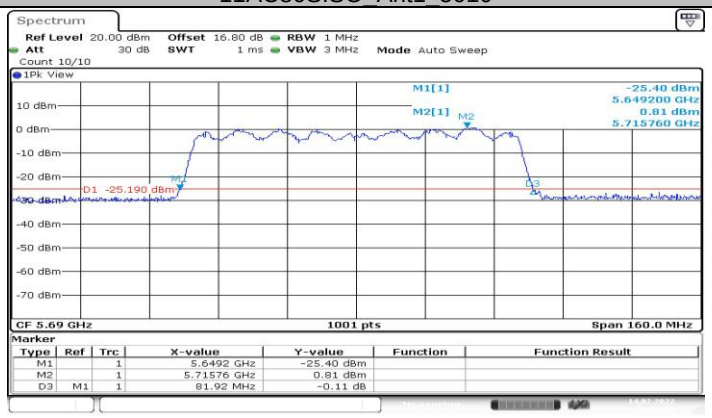
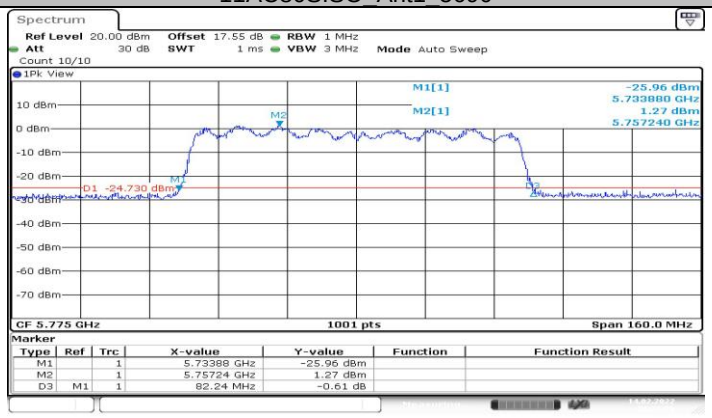


11AC80SISO_Ant1_5690



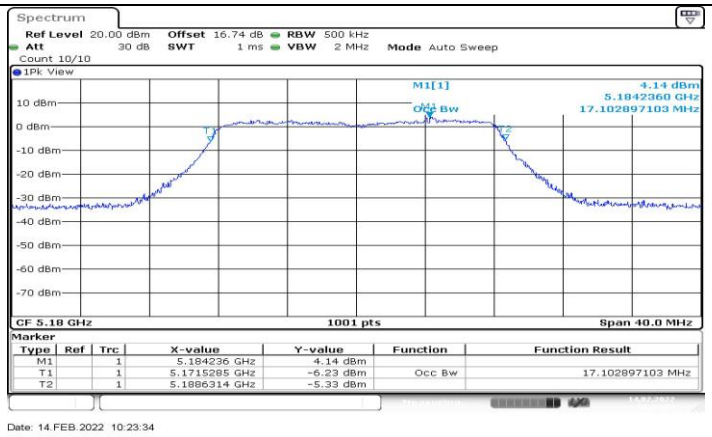
11AC80SISO_Ant1_5775

12.2. Appendix A2: Occupied channel bandwidth

12.2.1. Test Result

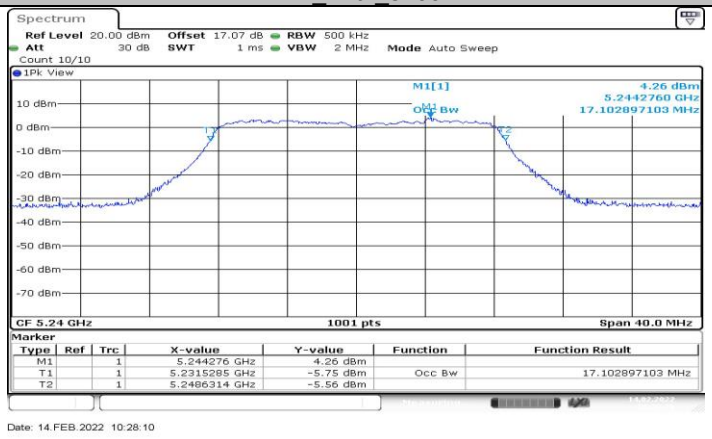
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A20	Ant1	5180	17.103	5171.528	5188.631	PASS
		5200	17.063	5191.568	5208.631	PASS
		5240	17.103	5231.528	5248.631	PASS
		5260	17.103	5251.528	5268.631	PASS
		5280	17.143	5271.528	5288.671	PASS
		5320	17.063	5311.568	5328.631	PASS
		5500	17.103	5491.528	5508.631	PASS
		5580	17.063	5571.568	5588.631	PASS
		5700	17.143	5691.528	5708.671	PASS
		5720	17.103	5711.528	5728.631	PASS
		5720_UNII-2C	13.472	5711.528	5725	PASS
		5720_UNII-3	3.631	5725	5728.631	PASS
		5745	17.103	5736.489	5753.591	PASS
		5785	17.143	5776.489	5793.631	PASS
		5825	17.143	5816.528	5833.671	PASS
11N20SISO	Ant1	5180	17.982	5171.049	5189.031	PASS
		5200	17.982	5191.049	5209.031	PASS
		5240	17.982	5231.009	5248.991	PASS
		5260	18.022	5251.009	5269.031	PASS
		5280	17.982	5271.009	5288.991	PASS
		5320	17.982	5311.049	5329.031	PASS
		5500	17.982	5491.009	5508.991	PASS
		5580	17.982	5571.049	5589.031	PASS
		5700	17.982	5691.049	5709.031	PASS
		5720	17.982	5711.049	5729.031	PASS
		5720_UNII-2C	13.951	5711.049	5725	PASS
		5720_UNII-3	4.031	5725	5729.031	PASS
		5745	18.022	5735.969	5753.991	PASS
		5785	18.022	5776.009	5794.031	PASS
		5825	18.022	5816.049	5834.071	PASS
11N40SISO	Ant1	5190	36.523	5171.938	5208.462	PASS
		5230	36.444	5211.858	5248.302	PASS
		5270	36.603	5251.778	5288.382	PASS
		5310	36.523	5291.858	5328.382	PASS
		5510	36.603	5491.778	5528.382	PASS
		5550	36.683	5531.778	5568.462	PASS
		5670	36.763	5651.618	5688.382	PASS
		5710	36.603	5691.858	5728.462	PASS
		5710_UNII-2C	33.142	5691.858	5725	PASS
		5710_UNII-3	3.462	5725	5728.462	PASS
		5755	36.683	5736.618	5773.302	PASS
		5795	36.843	5776.618	5813.462	PASS
11AC80SISO	Ant1	5210	75.445	5172.438	5247.882	PASS
		5290	75.924	5252.118	5328.042	PASS
		5530	75.764	5492.118	5567.882	PASS
		5610	75.445	5572.278	5647.722	PASS
		5690	75.924	5652.118	5728.042	PASS
		5690_UNII-2C	72.882	5652.118	5725	PASS
		5690_UNII-3	3.042	5725	5728.042	PASS
		5775	76.084	5736.798	5812.882	PASS

12.2.2. Test Graphs



11A_Ant1_5180

11A_Ant1_5200



11A_Ant1_5240