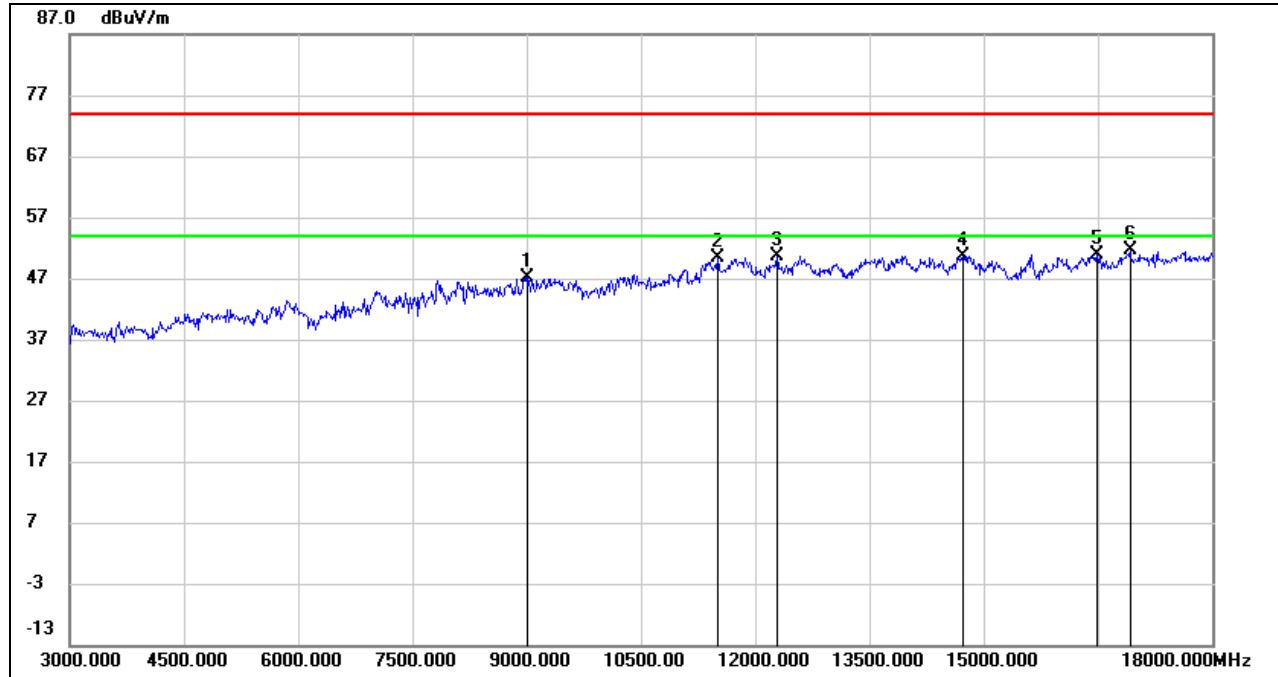




**HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)**

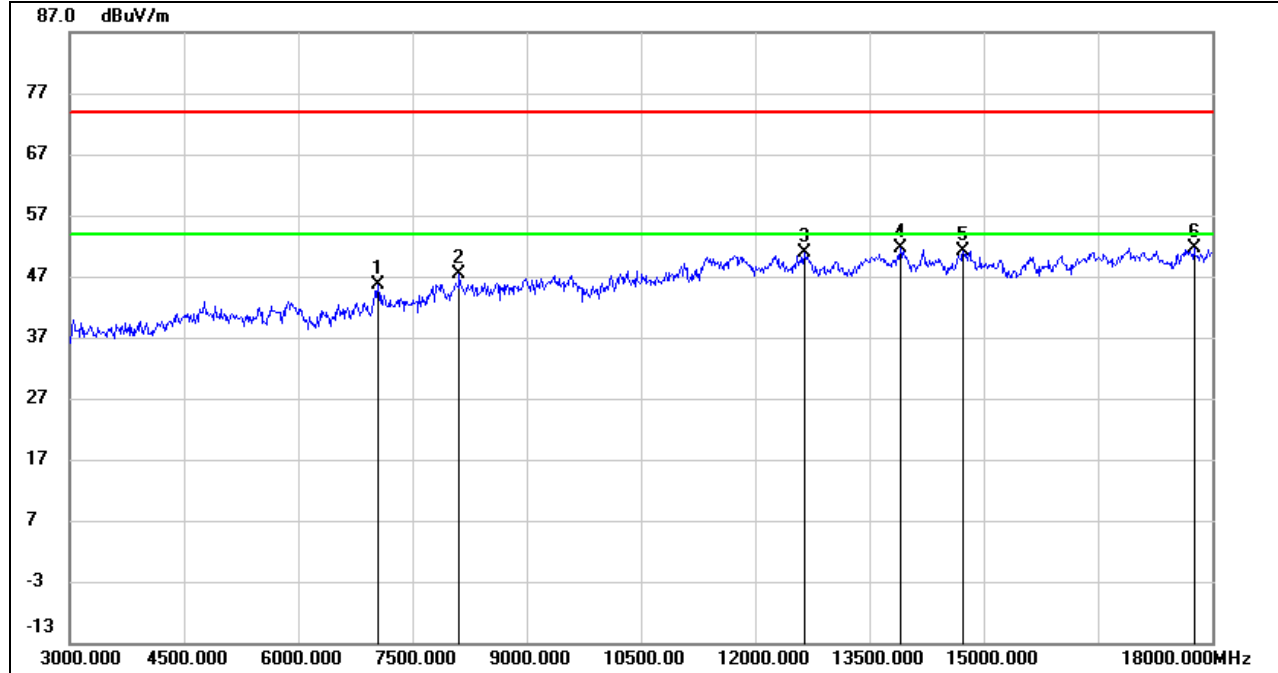


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9015.000	36.06	11.10	47.16	74.00	-26.84	peak
2	11505.000	35.62	14.66	50.28	74.00	-23.72	peak
3	12285.000	34.55	16.08	50.63	74.00	-23.37	peak
4	14730.000	32.93	17.79	50.72	74.00	-23.28	peak
5	16485.000	31.22	19.69	50.91	74.00	-23.09	peak
6	16920.000	30.23	21.51	51.74	74.00	-22.26	peak

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



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

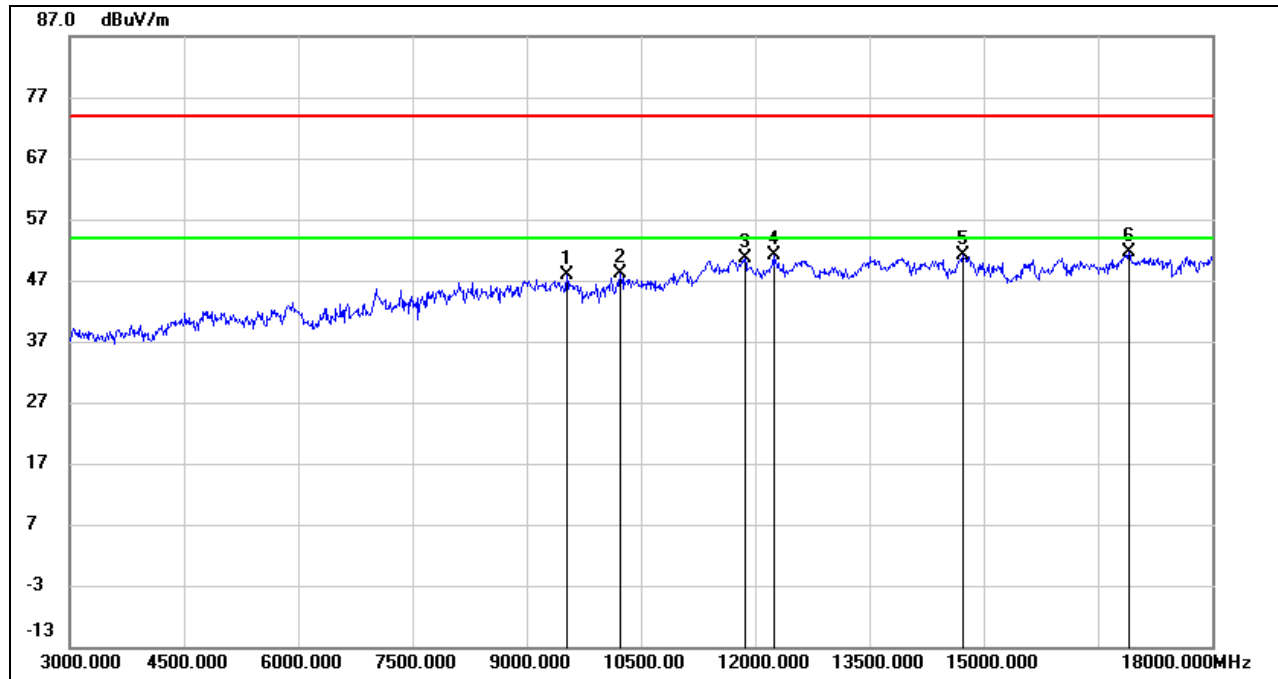


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7050.000	37.95	7.63	45.58	74.00	-28.42	peak
2	8115.000	37.35	10.13	47.48	74.00	-26.52	peak
3	12645.000	35.29	15.71	51.00	74.00	-23.00	peak
4	13905.000	34.08	17.54	51.62	74.00	-22.38	peak
5	14730.000	33.46	17.79	51.25	74.00	-22.75	peak
6	17760.000	27.71	23.82	51.53	74.00	-22.47	peak

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

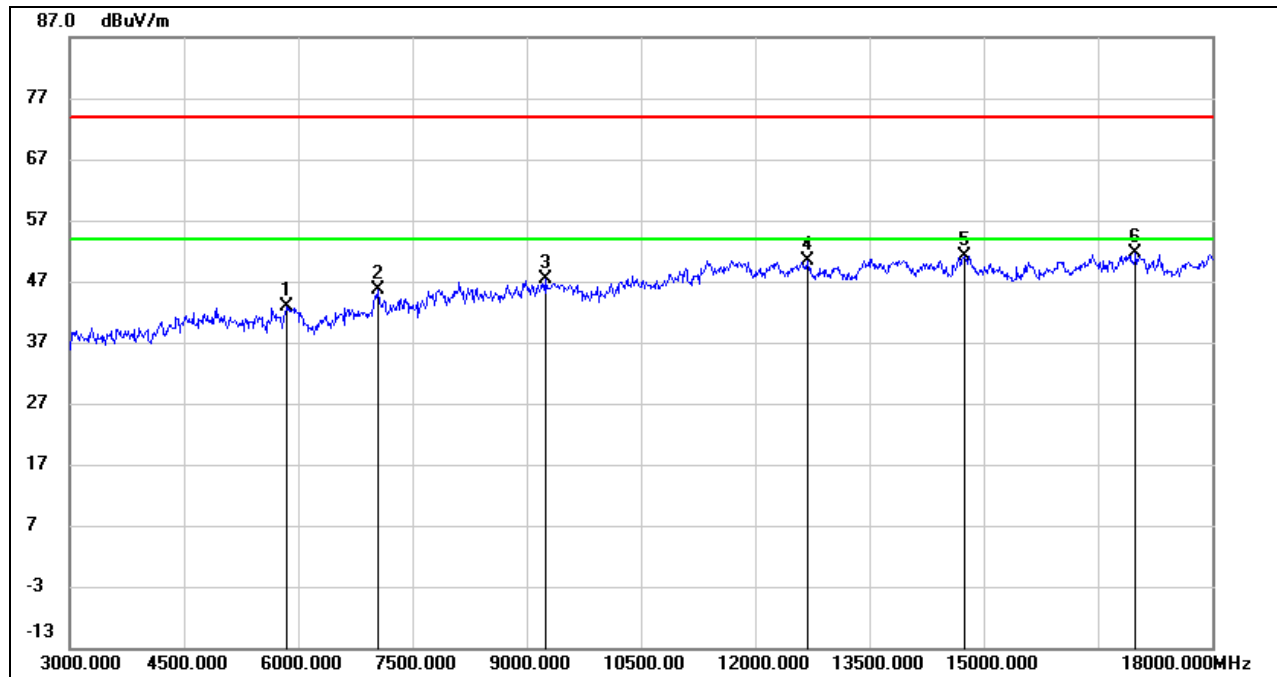


**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9525.000	37.29	10.65	47.94	74.00	-26.06	peak
2	10230.000	36.47	11.58	48.05	74.00	-25.95	peak
3	11865.000	35.29	15.42	50.71	74.00	-23.29	peak
4	12240.000	35.09	16.01	51.10	74.00	-22.90	peak
5	14730.000	33.23	17.79	51.02	74.00	-22.98	peak
6	16905.000	29.96	21.55	51.51	74.00	-22.49	peak

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

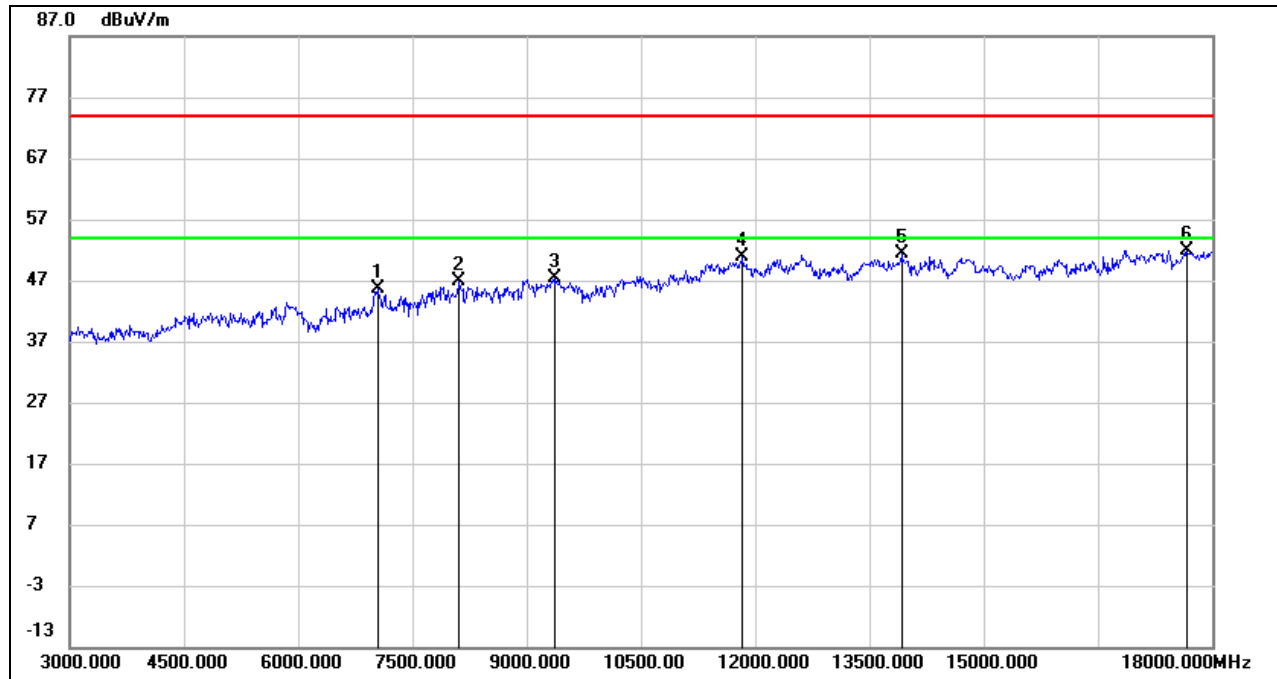
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	38.87	4.00	42.87	74.00	-31.13	peak
2	7050.000	38.03	7.63	45.66	74.00	-28.34	peak
3	9240.000	37.16	10.10	47.26	74.00	-26.74	peak
4	12690.000	34.72	15.64	50.36	74.00	-23.64	peak
5	14745.000	33.35	17.84	51.19	74.00	-22.81	peak
6	16995.000	30.48	21.26	51.74	74.00	-22.26	peak

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



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



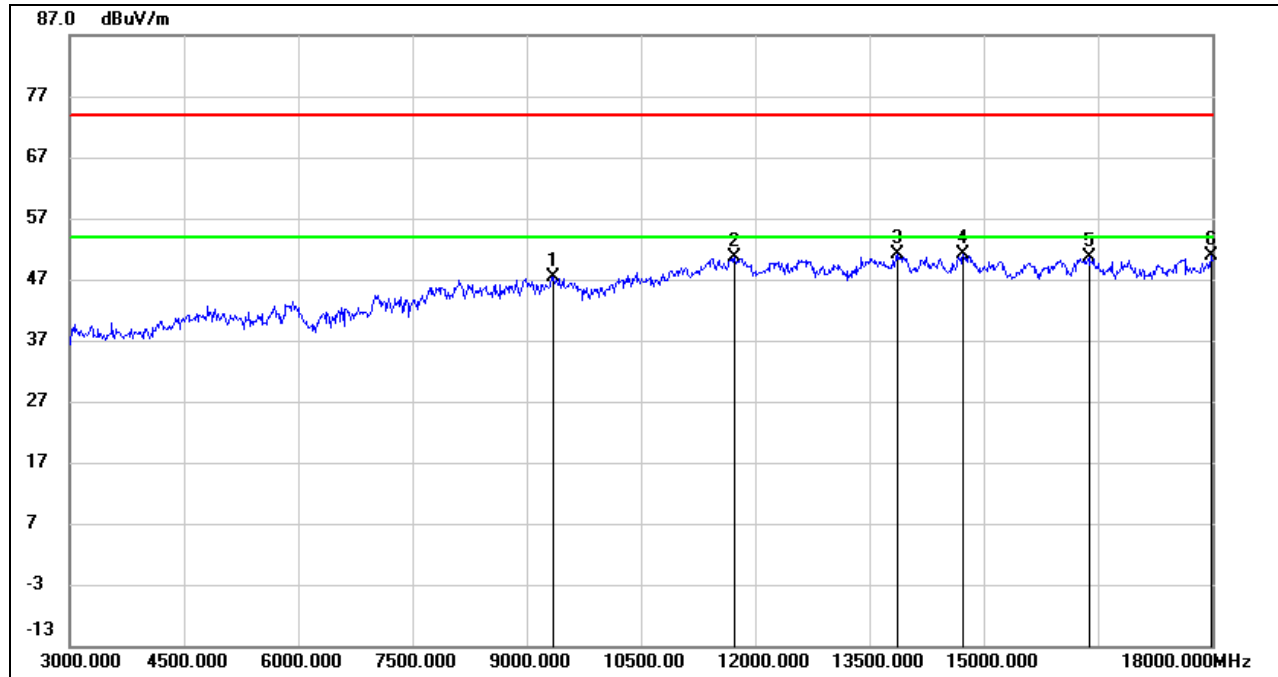
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	7050.000	37.93	7.63	45.56	74.00	-28.44	peak
2	8115.000	36.81	10.13	46.94	74.00	-27.06	peak
3	9375.000	36.49	10.83	47.32	74.00	-26.68	peak
4	11835.000	35.46	15.34	50.80	74.00	-23.20	peak
5	13920.000	33.93	17.55	51.48	74.00	-22.52	peak
6	17670.000	28.74	23.24	51.98	74.00	-22.02	peak

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



### 8.3.3. 802.11n HT20 SISO MODE

#### HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

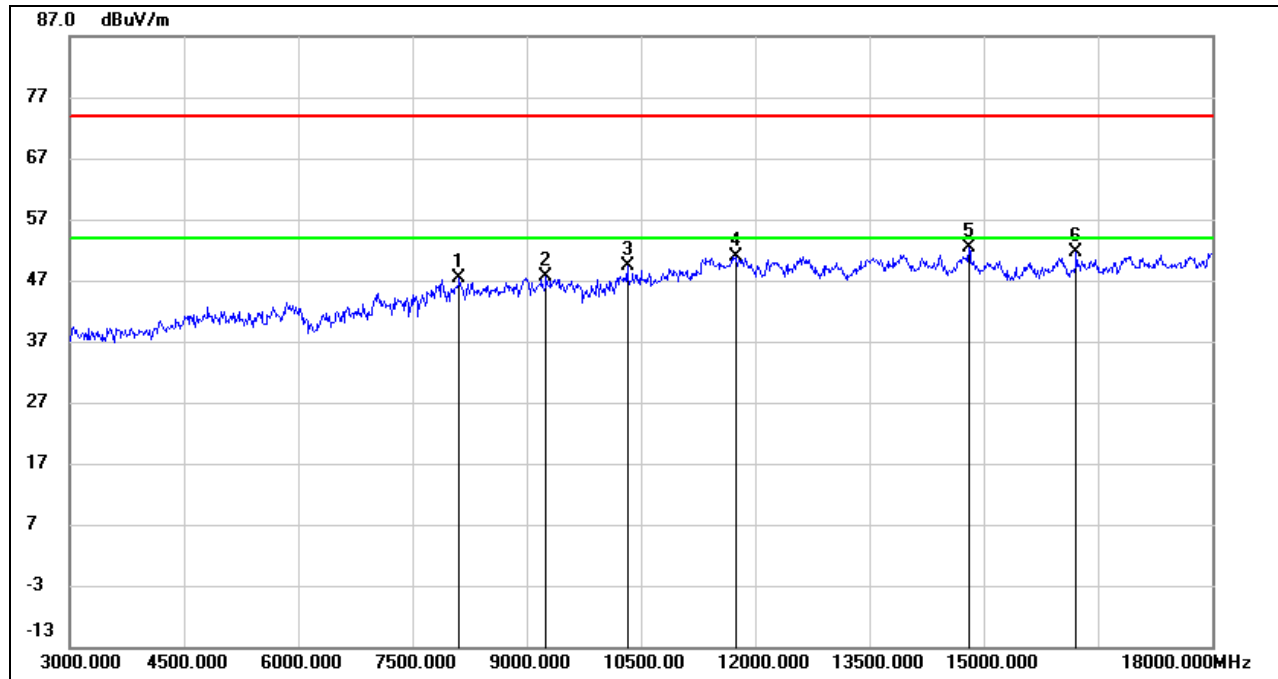


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	9345.000	36.77	10.66	47.43	74.00	-26.57	peak
2	11730.000	35.41	15.32	50.73	74.00	-23.27	peak
3	13875.000	33.55	17.55	51.10	74.00	-22.90	peak
4	14730.000	33.23	17.79	51.02	74.00	-22.98	peak
5	16380.000	31.00	19.67	50.67	74.00	-23.33	peak
6	17985.000	26.56	24.21	50.77	74.00	-23.23	peak

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



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

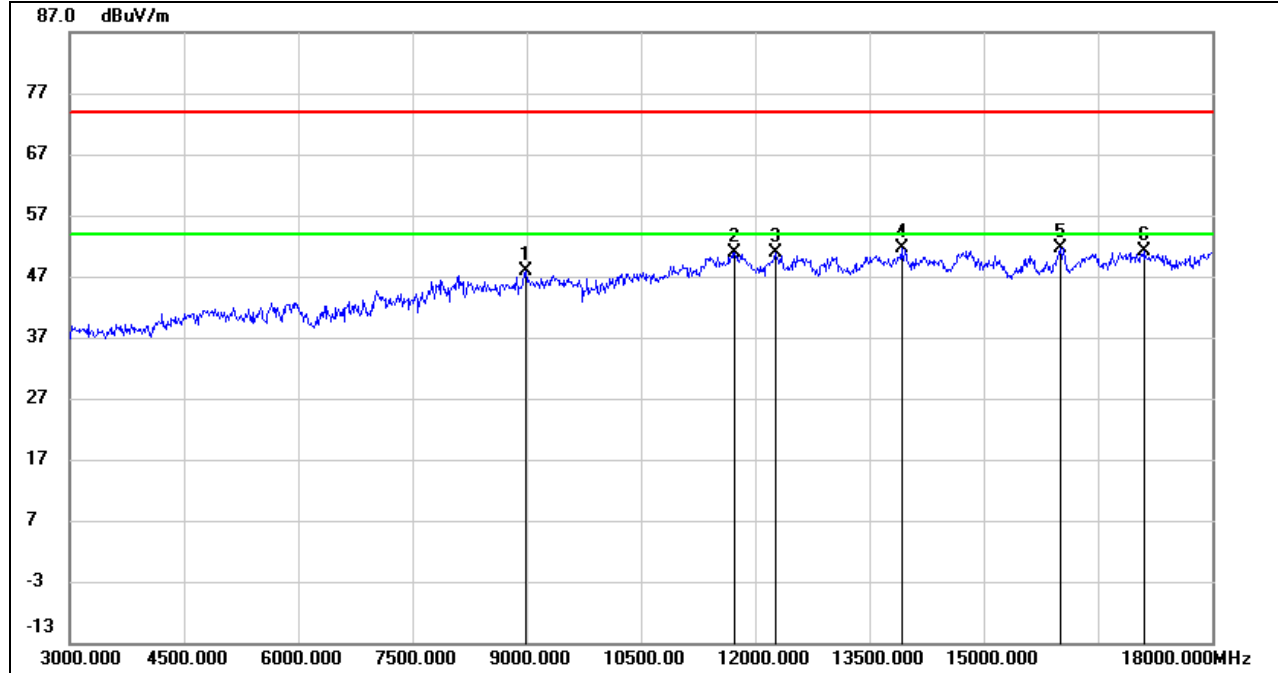


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8115.000	37.16	10.13	47.29	74.00	-26.71	peak
2	9255.000	37.48	10.17	47.65	74.00	-26.35	peak
3	10320.000	37.51	11.89	49.40	74.00	-24.60	peak
4	11745.000	35.62	15.30	50.92	74.00	-23.08	peak
5	14805.000	34.41	18.00	52.41	74.00	-21.59	peak
6	16215.000	32.76	18.81	51.57	74.00	-22.43	peak

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



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



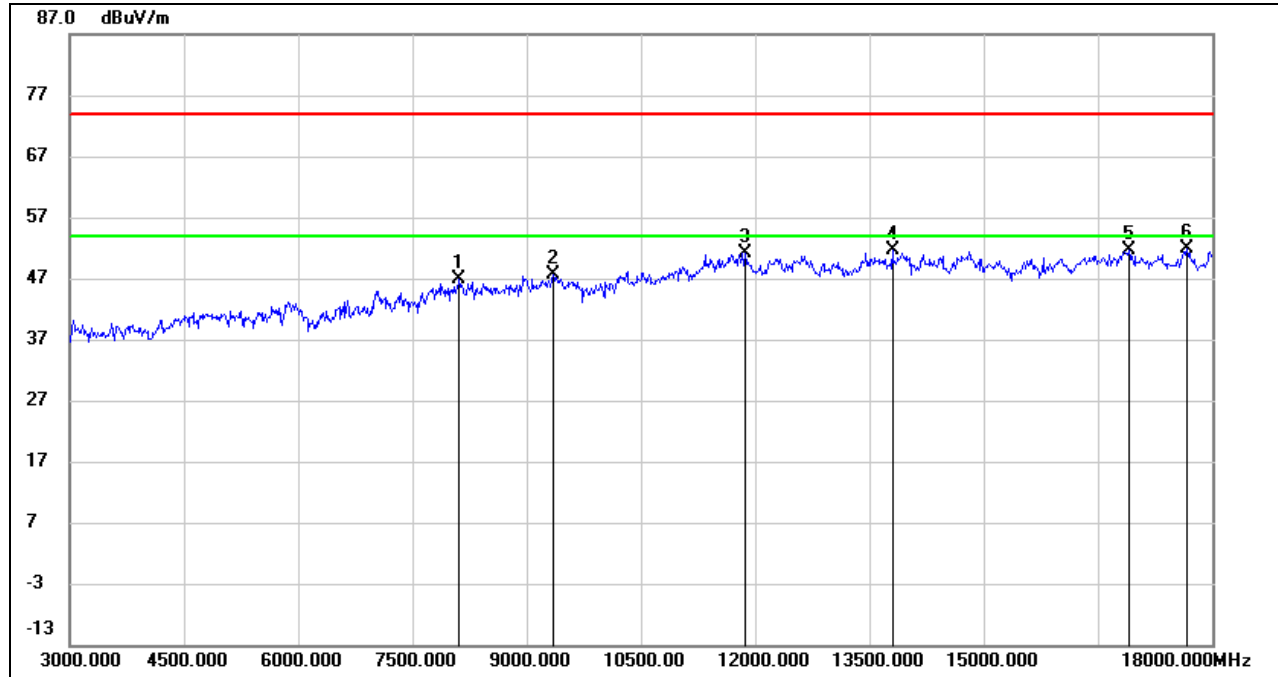
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8985.000	36.89	10.99	47.88	74.00	-26.12	peak
2	11730.000	35.51	15.32	50.83	74.00	-23.17	peak
3	12270.000	34.94	16.04	50.98	74.00	-23.02	peak
4	13920.000	34.03	17.55	51.58	74.00	-22.42	peak
5	16005.000	33.13	18.42	51.55	74.00	-22.45	peak
6	17100.000	29.12	21.90	51.02	74.00	-22.98	peak

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





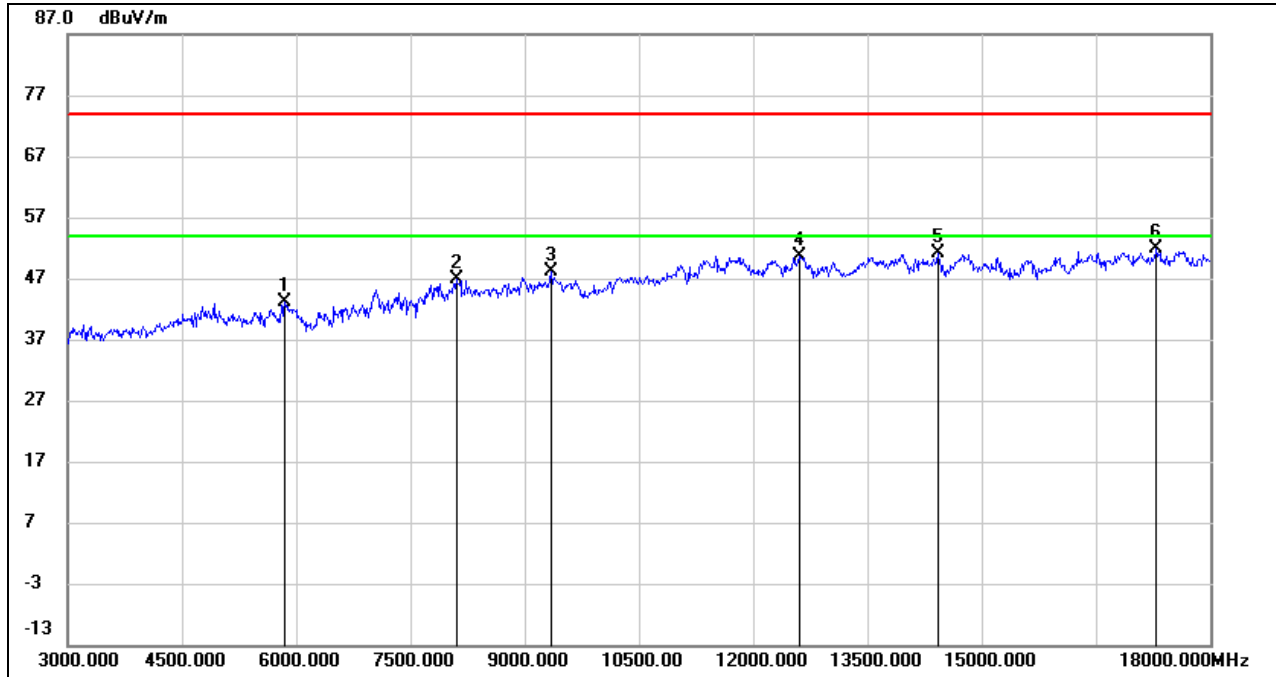
**HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	8115.000	36.68	10.13	46.81	74.00	-27.19	peak
2	9345.000	36.89	10.66	47.55	74.00	-26.45	peak
3	11865.000	35.72	15.42	51.14	74.00	-22.86	peak
4	13800.000	34.10	17.61	51.71	74.00	-22.29	peak
5	16905.000	30.14	21.55	51.69	74.00	-22.31	peak
6	17670.000	28.53	23.24	51.77	74.00	-22.23	peak

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

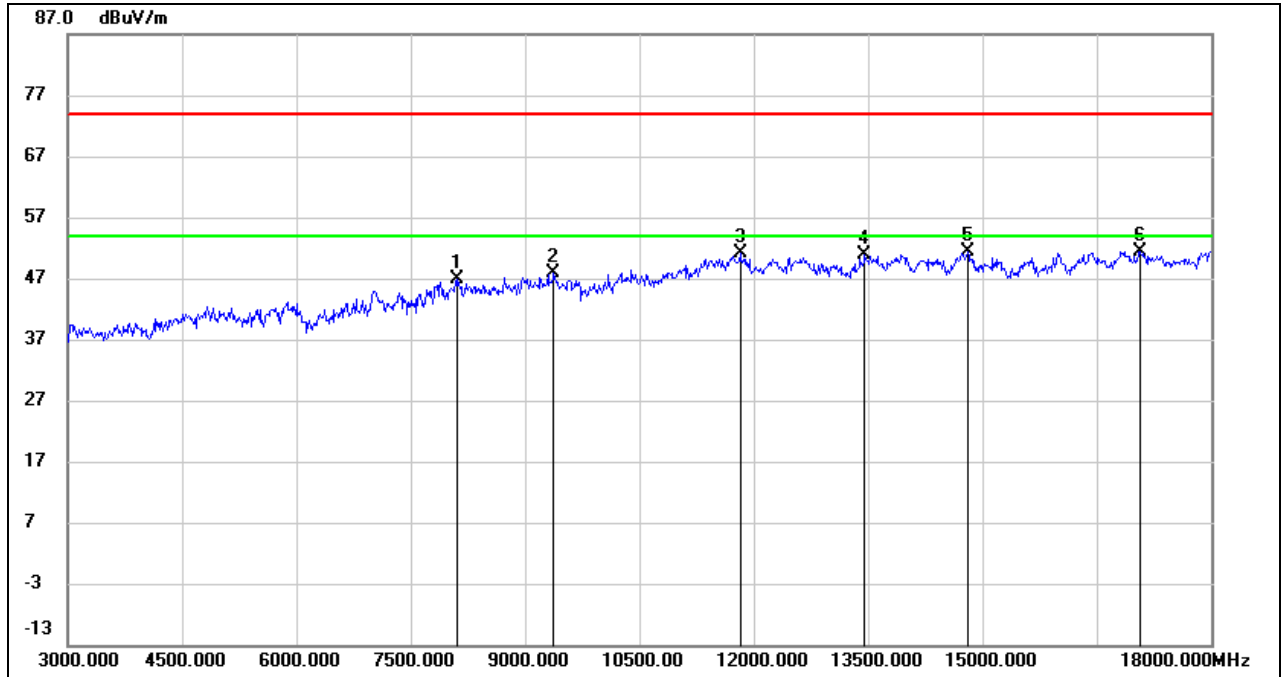
**HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5850.000	39.01	4.00	43.01	74.00	-30.99	peak
2	8100.000	36.60	10.18	46.78	74.00	-27.22	peak
3	9345.000	37.47	10.66	48.13	74.00	-25.87	peak
4	12600.000	34.82	15.78	50.60	74.00	-23.40	peak
5	14430.000	33.76	17.34	51.10	74.00	-22.90	peak
6	17295.000	29.30	22.58	51.88	74.00	-22.12	peak

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

**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	8115.000	36.76	10.13	46.89	74.00	-27.11	peak
2	9375.000	37.17	10.83	48.00	74.00	-26.00	peak
3	11820.000	35.80	15.29	51.09	74.00	-22.91	peak
4	13455.000	33.71	17.14	50.85	74.00	-23.15	peak
5	14805.000	33.50	18.00	51.50	74.00	-22.50	peak
6	17070.000	29.76	21.71	51.47	74.00	-22.53	peak

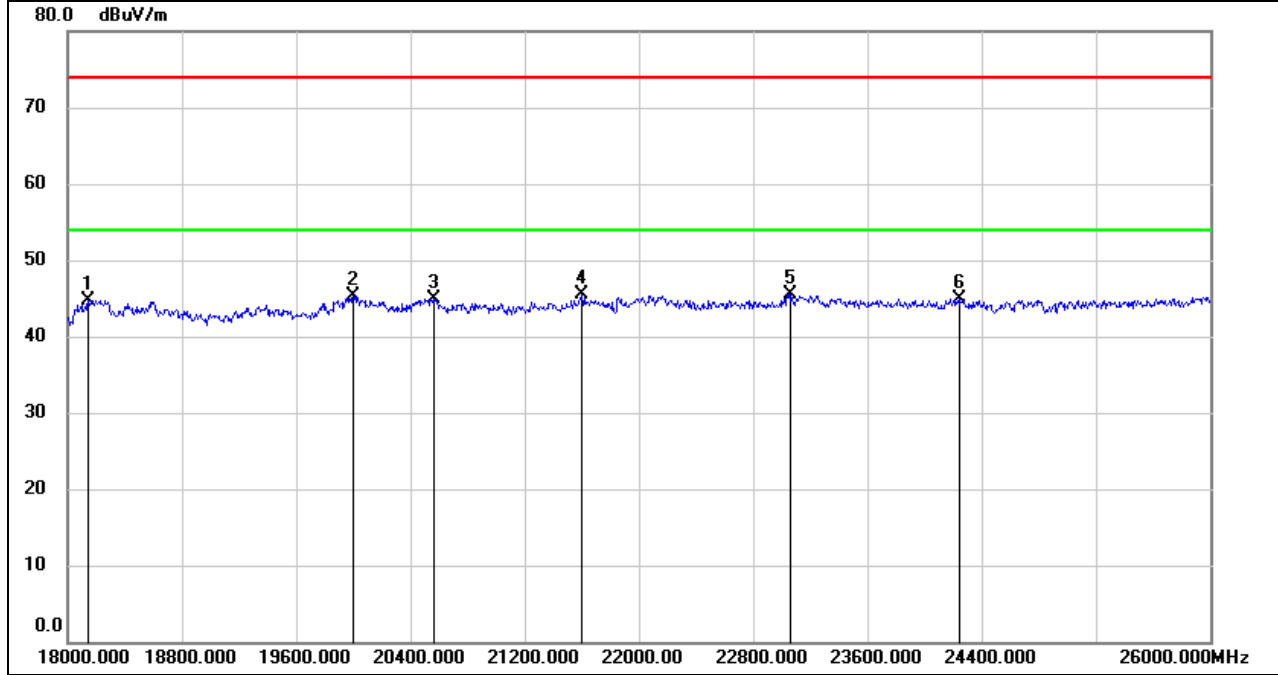
- Note: 1. Peak Result = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.  
 4. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass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

8.3.4.

8.4. SPURIOUS EMISSIONS (18 GHz ~ 26 GHz)

8.4.1. 802.11b SISO MODE

**SPURIOUS EMISSIONS (HIGH CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)**

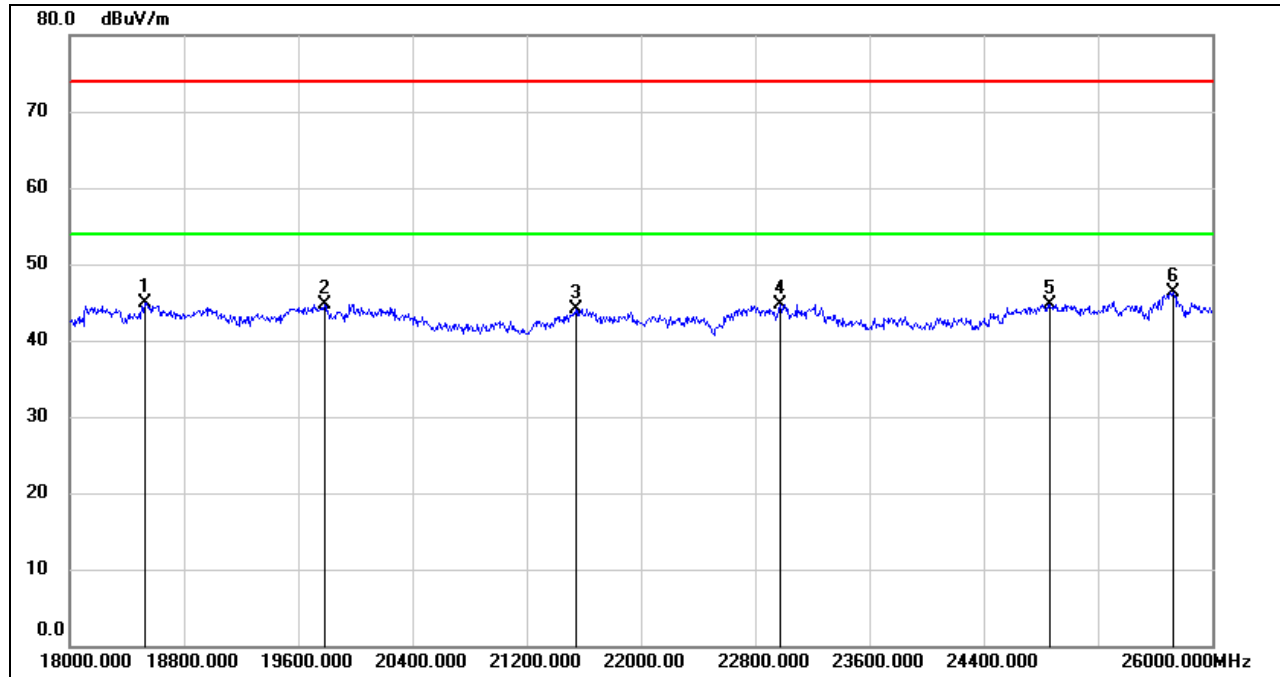


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18144.000	50.27	-5.48	44.79	74.00	-29.21	peak
2	20000.000	50.81	-5.45	45.36	74.00	-28.64	peak
3	20560.000	50.23	-5.30	44.93	74.00	-29.07	peak
4	21600.000	50.02	-4.54	45.48	74.00	-28.52	peak
5	23064.000	48.99	-3.42	45.57	74.00	-28.43	peak
6	24248.000	47.82	-2.83	44.99	74.00	-29.01	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.



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



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	19784.000	50.07	-5.28	44.79	74.00	-29.21	peak
3	21544.000	48.76	-4.63	44.13	74.00	-29.87	peak
4	22976.000	48.26	-3.46	44.80	74.00	-29.20	peak
5	24864.000	47.03	-2.23	44.80	74.00	-29.20	peak
6	25728.000	47.11	-0.72	46.39	74.00	-27.61	peak

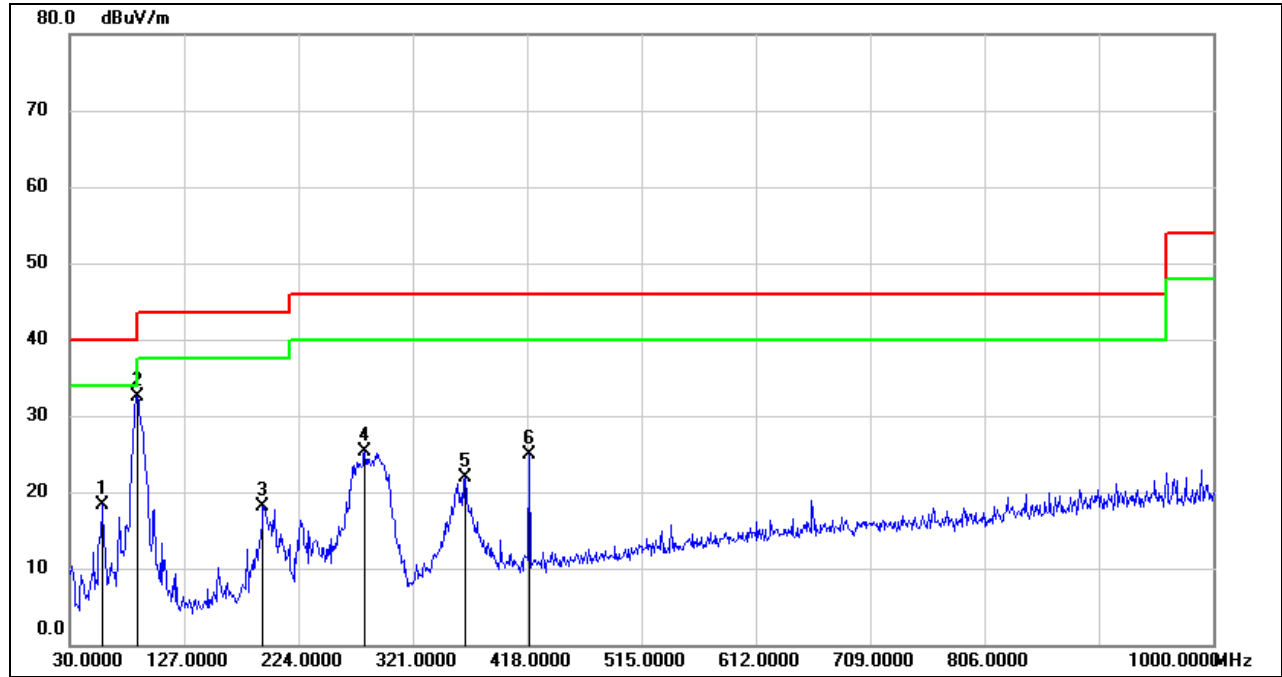
- Note: 1. Measurement = Reading Level + Correct Factor.  
 2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 3. Peak: Peak detector.

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

## 8.5. SPURIOUS EMISSIONS (30 MHz ~ 1 GHz)

### 8.5.1. 802.11b SISO MODE

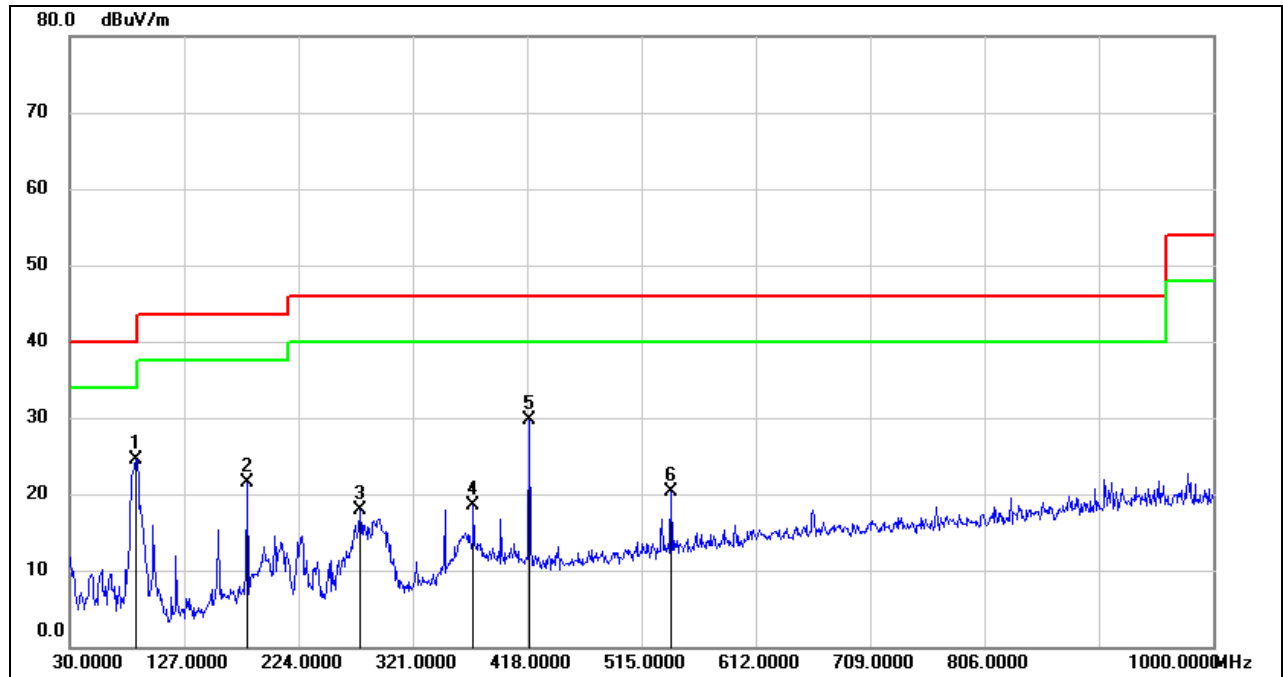
#### SPURIOUS EMISSIONS (HIGH CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	57.1600	38.79	-20.58	18.21	40.00	-21.79	QP
2	87.2300	54.27	-21.80	32.47	40.00	-7.53	QP
3	193.9299	34.55	-16.51	18.04	43.50	-25.46	QP
4	280.2600	41.93	-16.66	25.27	46.00	-20.73	QP
5	365.6200	35.84	-14.02	21.82	46.00	-24.18	QP
6	419.9400	37.94	-12.99	24.95	46.00	-21.05	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 (HIGH CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	86.2600	46.30	-21.75	24.55	40.00	-15.45	QP
2	180.3500	38.23	-16.82	21.41	43.50	-22.09	QP
3	276.3800	34.99	-17.06	17.93	46.00	-28.07	QP
4	372.4100	32.36	-13.87	18.49	46.00	-27.51	QP
5	419.9400	42.76	-12.99	29.77	46.00	-16.23	QP
6	540.2199	30.86	-10.49	20.37	46.00	-25.63	QP

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

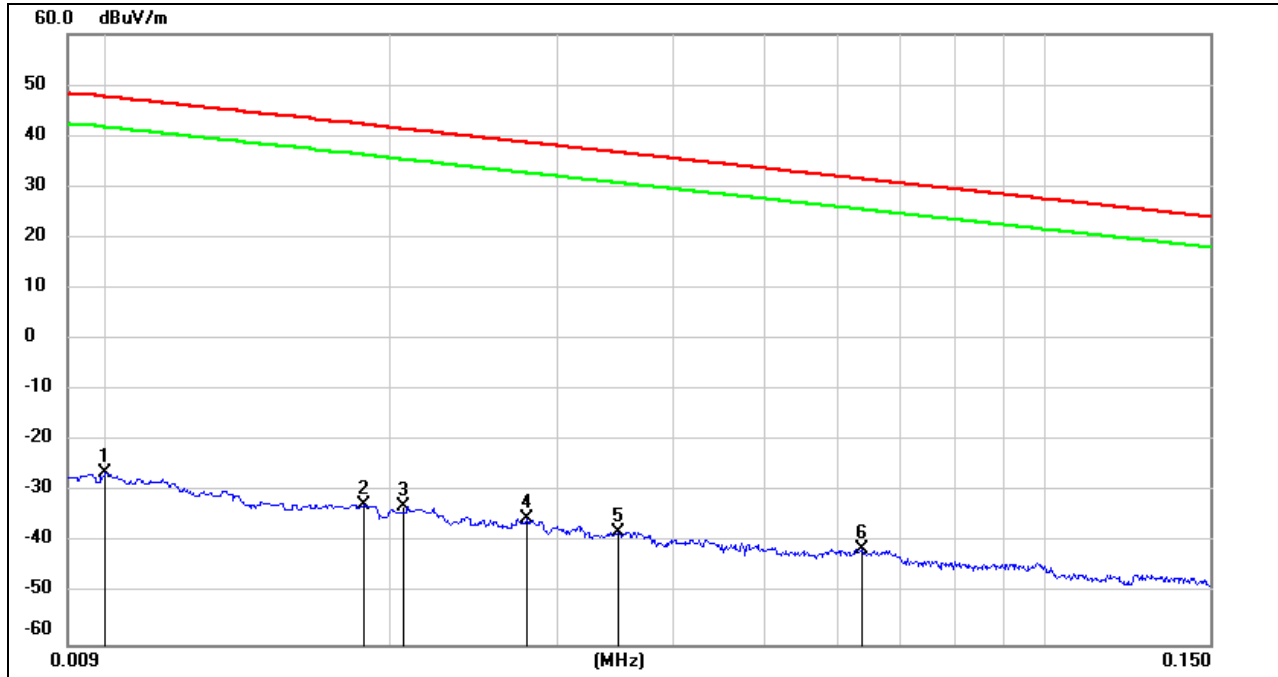
Note: All the modes and channels had been tested, but only the worst data was recorded in the report.

## 8.6. SPURIOUS EMISSIONS BELOW 30 MHz

### 8.6.1. 802.11b SISO MODE

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

**9 kHz~ 150 kHz**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.01	75.22	-101.4	-26.18	47.6	-77.68	-3.9	-73.78	peak
2	0.0187	68.7	-101.35	-32.65	42.16	-84.15	-9.34	-74.81	peak
3	0.0206	68.42	-101.35	-32.93	41.32	-84.43	-10.18	-74.25	peak
4	0.0279	66.17	-101.38	-35.21	38.69	-86.71	-12.81	-73.9	peak
5	0.0349	63.53	-101.41	-37.88	36.75	-89.38	-14.75	-74.63	peak
6	0.0636	60.31	-101.54	-41.23	31.53	-92.73	-19.97	-72.76	peak

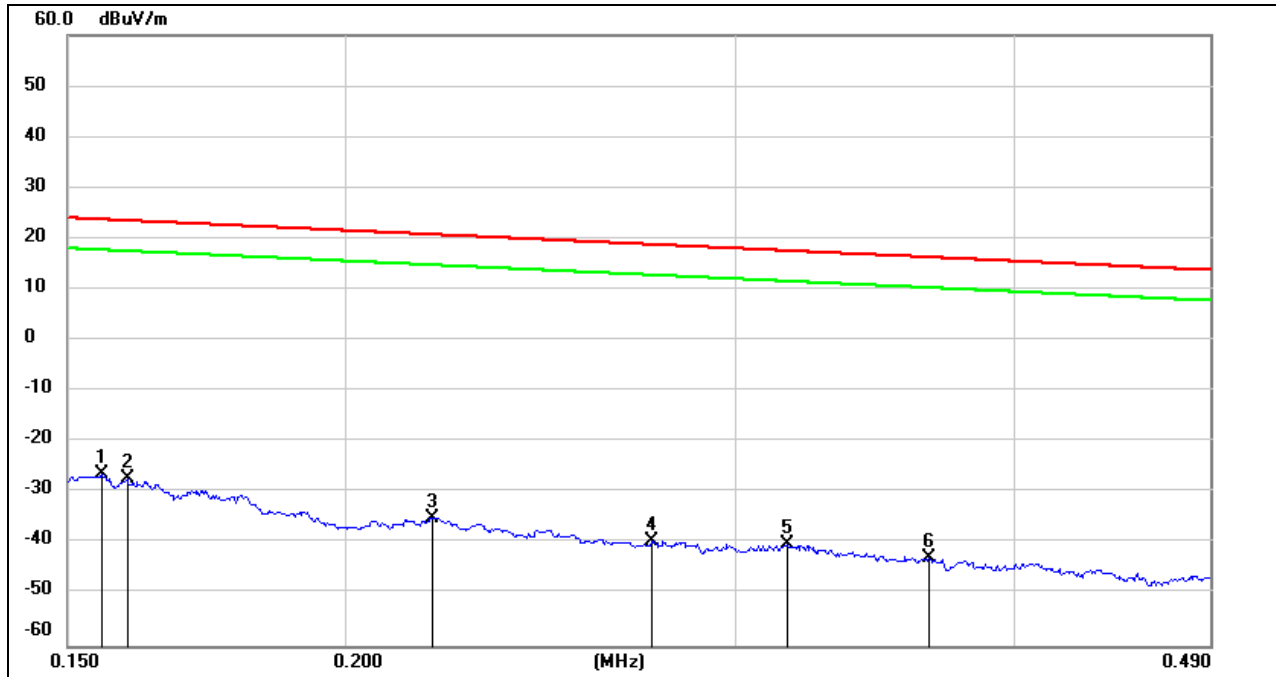
Note: 1. Measurement = Reading Level + Correct Factor (dBuA/m= dBuV/m- 20Log10[120π] = dBuV/m- 51.5).

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.



**150 kHz ~ 490 kHz**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.1554	75.27	-101.65	-26.38	23.77	-77.88	-27.73	-50.15	peak
2	0.1595	74.36	-101.65	-27.29	23.55	-78.79	-27.95	-50.84	peak
3	0.219	66.77	-101.75	-34.98	20.79	-86.48	-30.71	-55.77	peak
4	0.2746	62.46	-101.83	-39.37	18.83	-90.87	-32.67	-58.2	peak
5	0.3163	61.7	-101.87	-40.17	17.6	-91.67	-33.9	-57.77	peak
6	0.3662	59.08	-101.93	-42.85	16.33	-94.35	-35.17	-59.18	peak

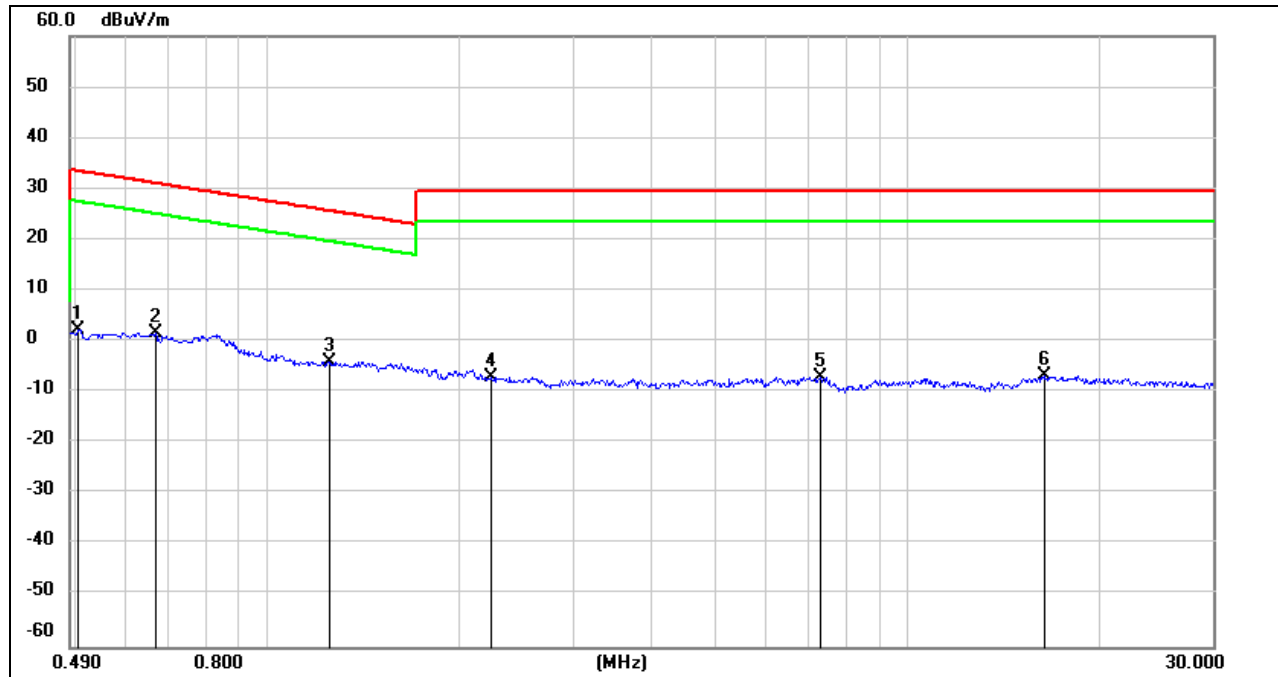
Note: 1. Measurement = Reading Level + Correct Factor (dBuA/m= dBuV/m- 20Log10[120π] = dBuV/m- 51.5).

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.



**490 kHz ~ 30 MHz**



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	FCC Result (dBuV/m)	FCC Limit (dBuV/m)	ISED Result (dBuA/m)	ISED Limit (dBuA/m)	Margin (dB)	Remark
1	0.5039	64.44	-62.07	2.37	33.56	-49.13	-17.94	-31.19	peak
2	0.6671	63.75	-62.1	1.65	31.12	-49.85	-20.38	-29.47	peak
3	1.2459	58.25	-62.16	-3.91	25.7	-55.41	-25.8	-29.61	peak
4	2.2364	54.8	-61.76	-6.96	29.54	-58.46	-21.96	-36.5	peak
5	7.3361	54.08	-61.17	-7.09	29.54	-58.59	-21.96	-36.63	peak
6	16.3959	54.17	-60.96	-6.79	29.54	-58.29	-21.96	-36.33	peak

Note: 1. Measurement = Reading Level + Correct Factor (dBuA/m= dBuV/m- 20Log10[120π] = dBuV/m- 51.5).

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.

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



## 9. 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



## 10. Appendix

### 10.1. Appendix A: DTS Bandwidth

#### 10.1.1. Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.160	2407.440	2416.600	0.5	PASS
		2437	9.120	2432.440	2441.560	0.5	PASS
		2462	9.640	2457.440	2467.080	0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	0.5	PASS
		2437	16.480	2428.800	2445.280	0.5	PASS
		2462	16.400	2453.840	2470.240	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.200	2420.880	0.5	PASS
		2437	17.640	2428.200	2445.840	0.5	PASS
		2462	17.680	2453.200	2470.880	0.5	PASS

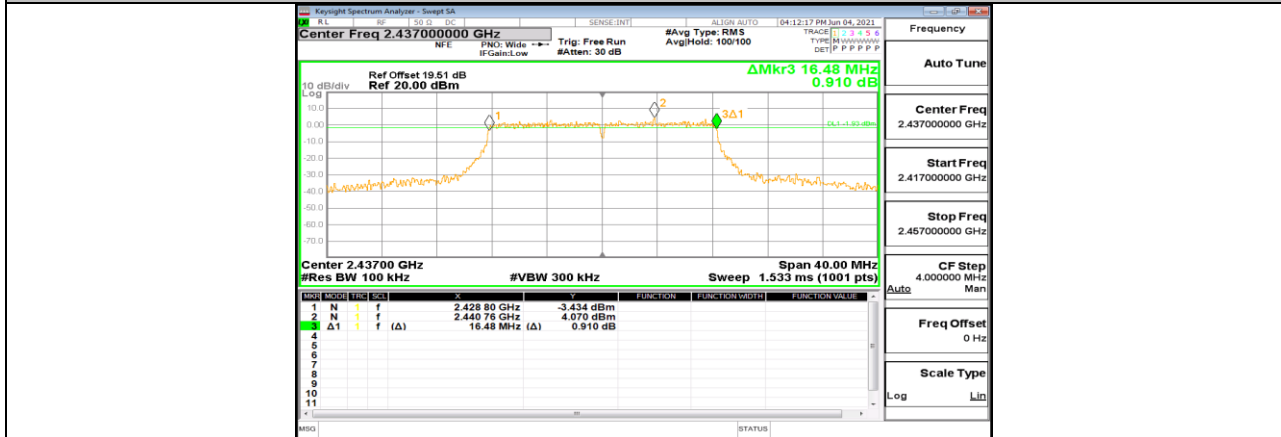


### 10.1.2. Test Graphs

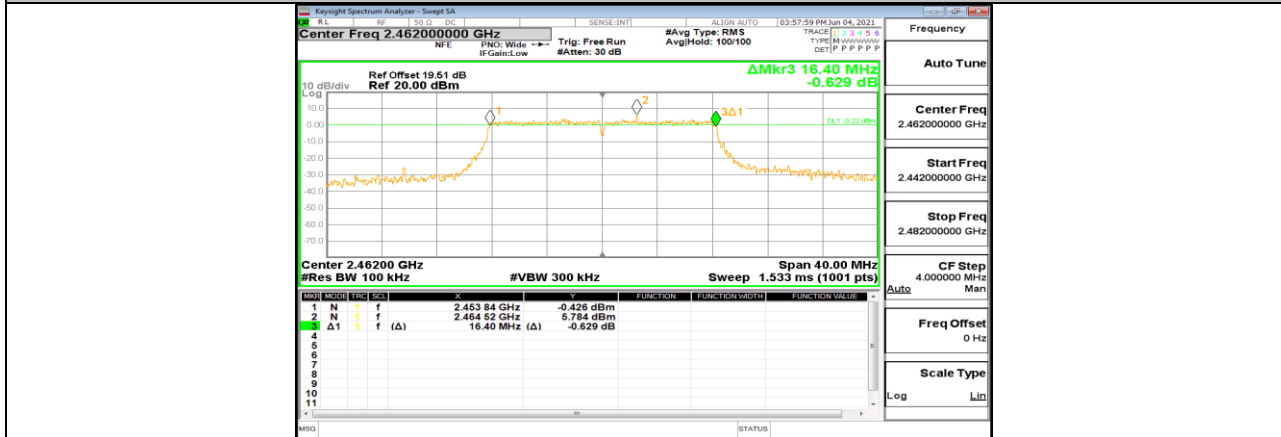




11G\_Ant1\_2412



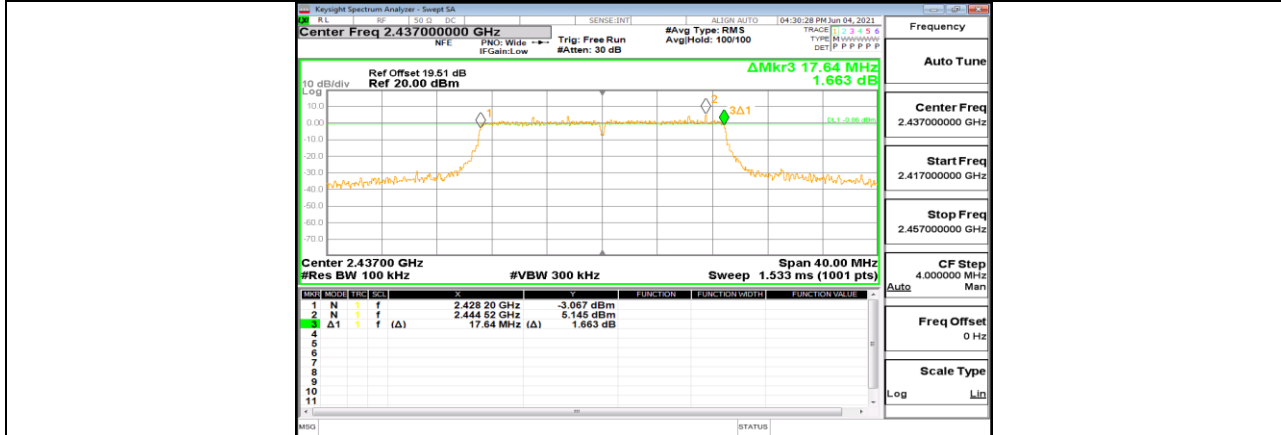
11G\_Ant1\_2437



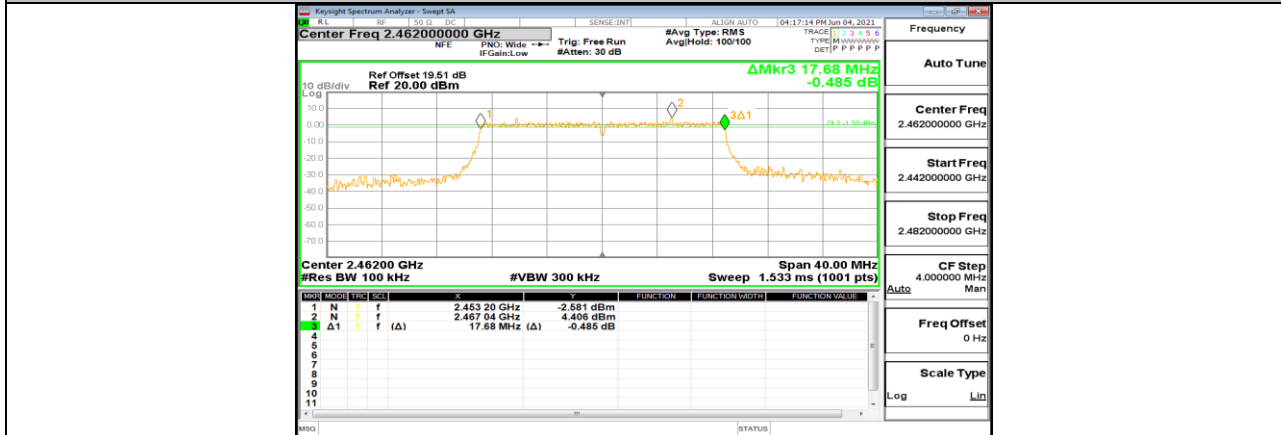
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462



## 10.2. Appendix B: Occupied Channel Bandwidth

### 10.2.1. Test Result

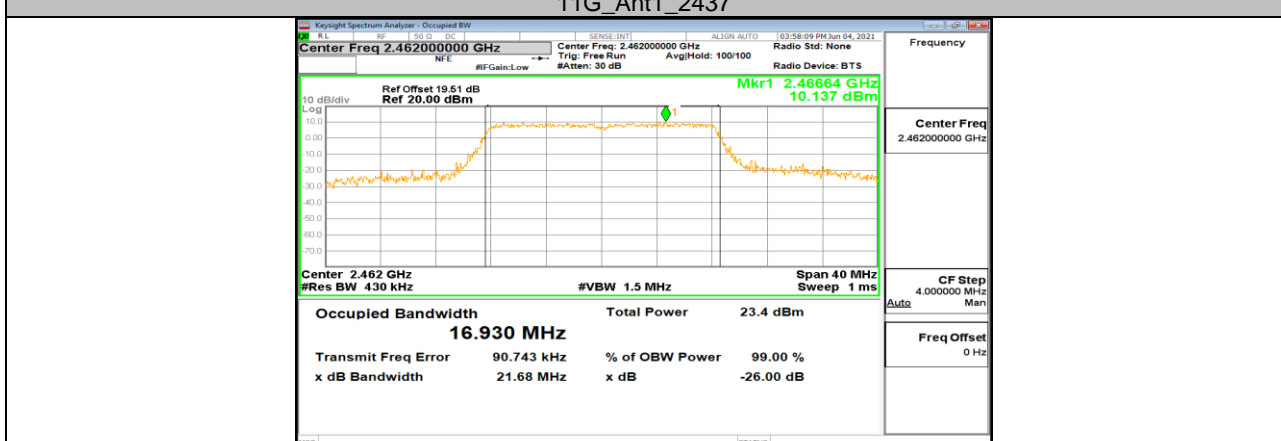
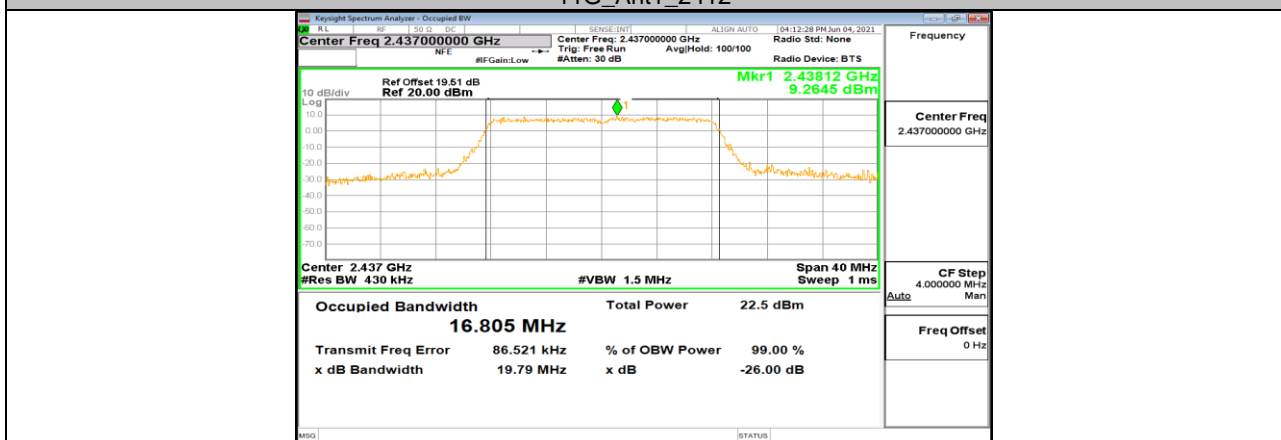
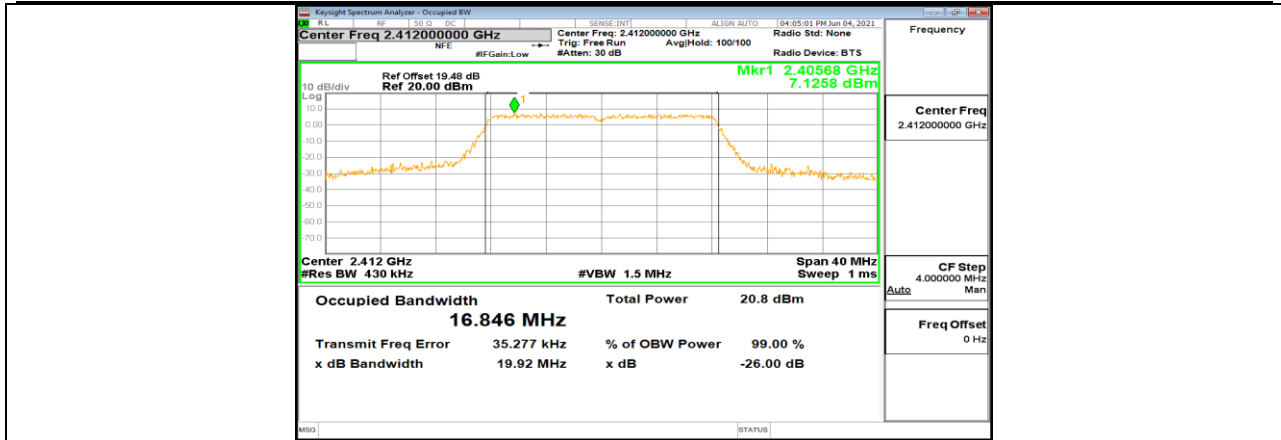
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11B	Ant1	2412	11.290	2406.375	2417.665	PASS
		2437	11.170	2431.516	2442.686	PASS
		2462	11.218	2456.481	2467.699	PASS
11G	Ant1	2412	16.846	2403.612	2420.458	PASS
		2437	16.805	2428.684	2445.489	PASS
		2462	16.930	2453.626	2470.556	PASS
11N20SISO	Ant1	2412	17.827	2403.118	2420.945	PASS
		2437	17.807	2428.152	2445.959	PASS
		2462	17.849	2453.135	2470.984	PASS

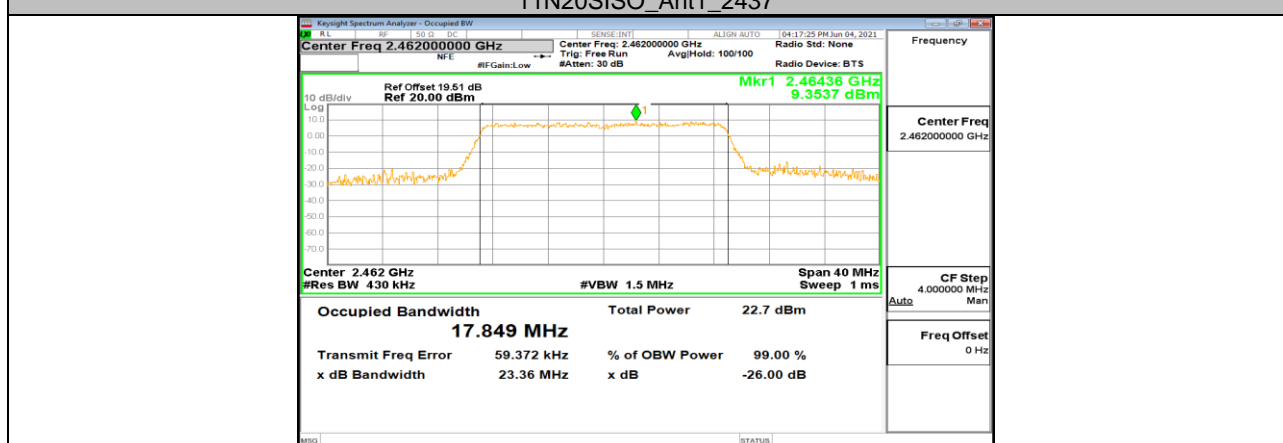
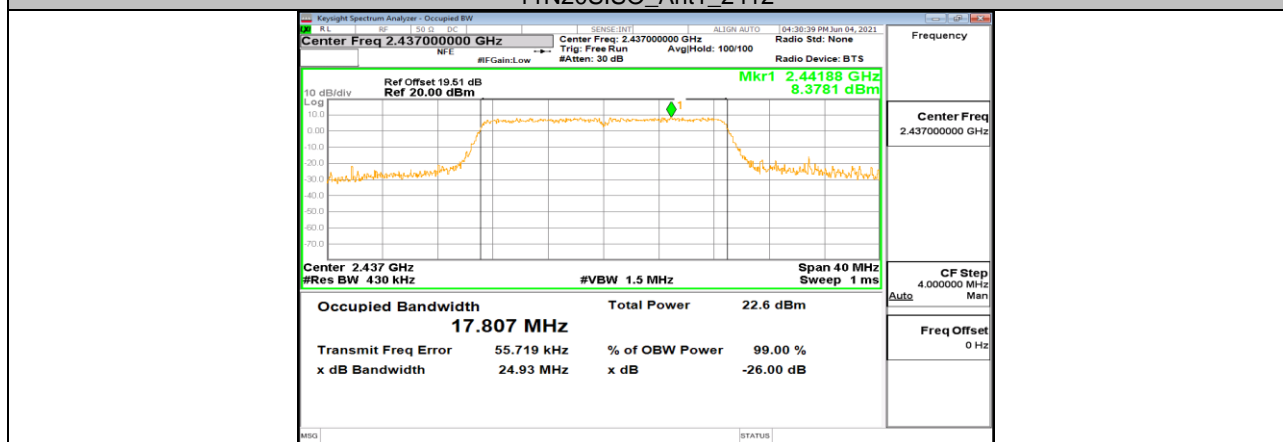
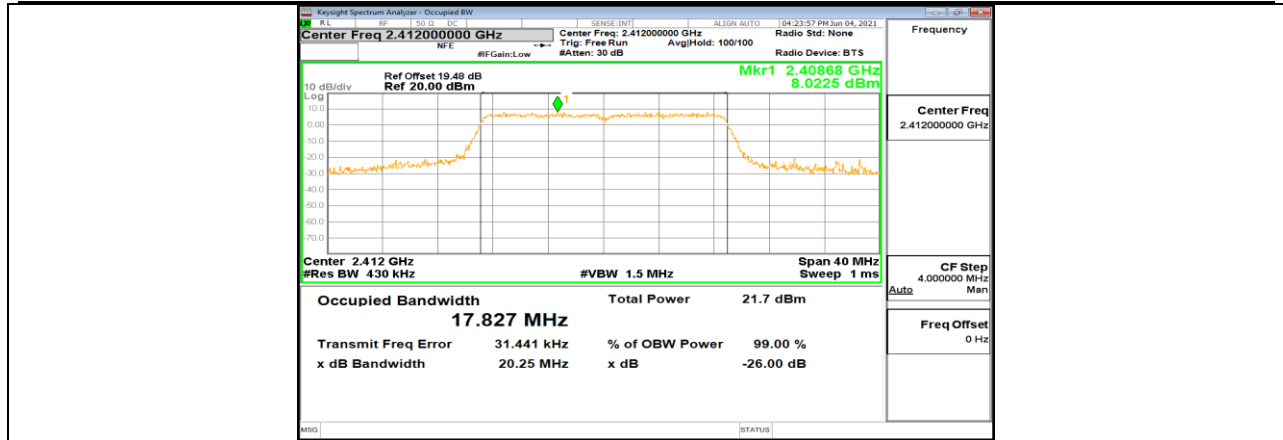




### 10.2.2. Test Graphs









### 10.3. Appendix C: Maximum conducted output power

#### 10.3.1. Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.85	<=30	PASS
		2437	16.10	<=30	PASS
		2462	16.80	<=30	PASS
11G	Ant1	2412	15.01	<=30	PASS
		2437	16.28	<=30	PASS
		2462	16.41	<=30	PASS
11N20SISO	Ant1	2412	15.56	<=30	PASS
		2437	16.45	<=30	PASS
		2462	16.54	<=30	PASS

Note: The test results have already included the duty cycle correction factor. About correction Factor please refer to section 7.1.

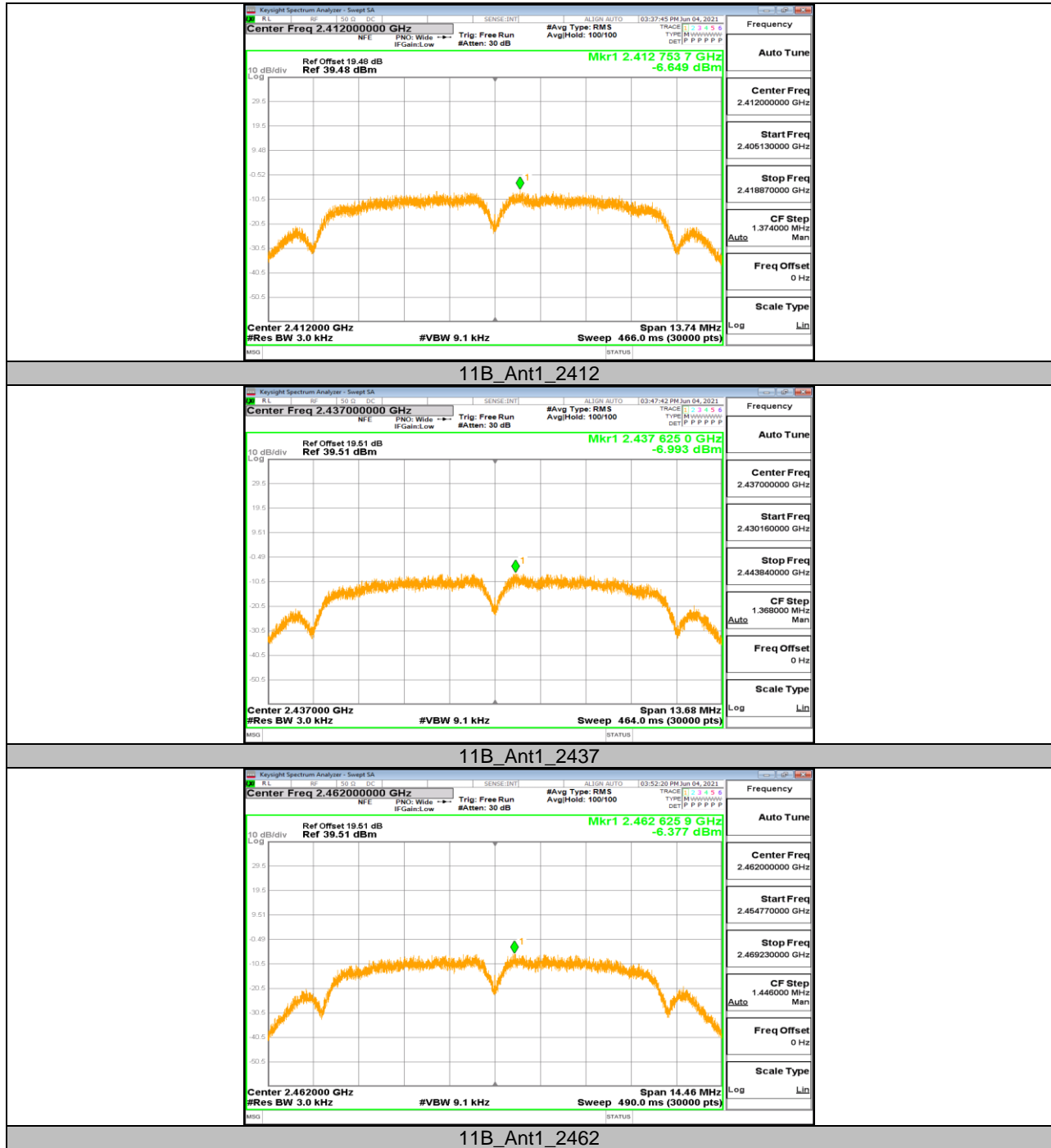


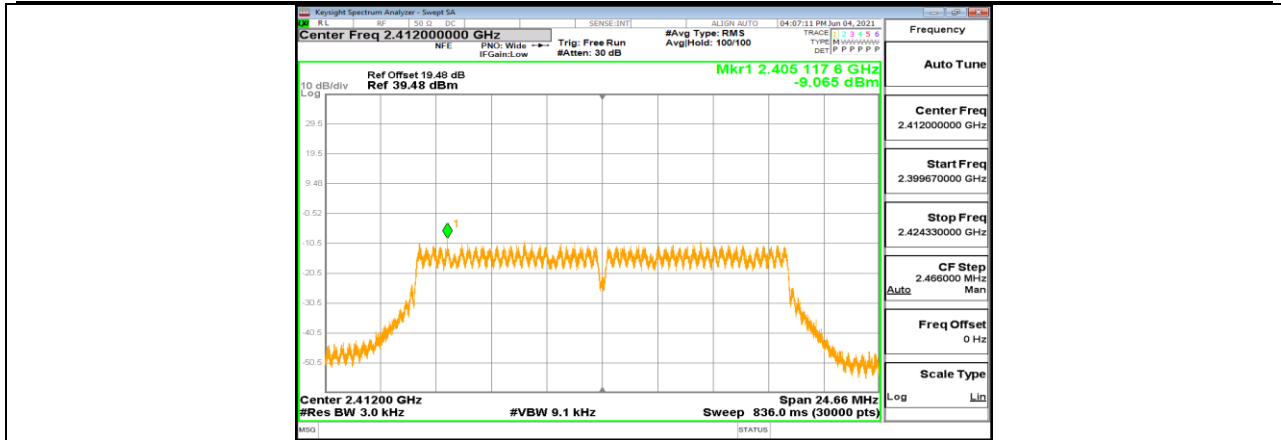
**10.4. Appendix D: Maximum power spectral density**  
**10.4.1. Test Result**

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.65	<=8	PASS
		2437	-6.99	<=8	PASS
		2462	-6.38	<=8	PASS
11G	Ant1	2412	-9.07	<=8	PASS
		2437	-7.31	<=8	PASS
		2462	-8.11	<=8	PASS
11N20SISO	Ant1	2412	-7.82	<=8	PASS
		2437	-6.22	<=8	PASS
		2462	-7.42	<=8	PASS

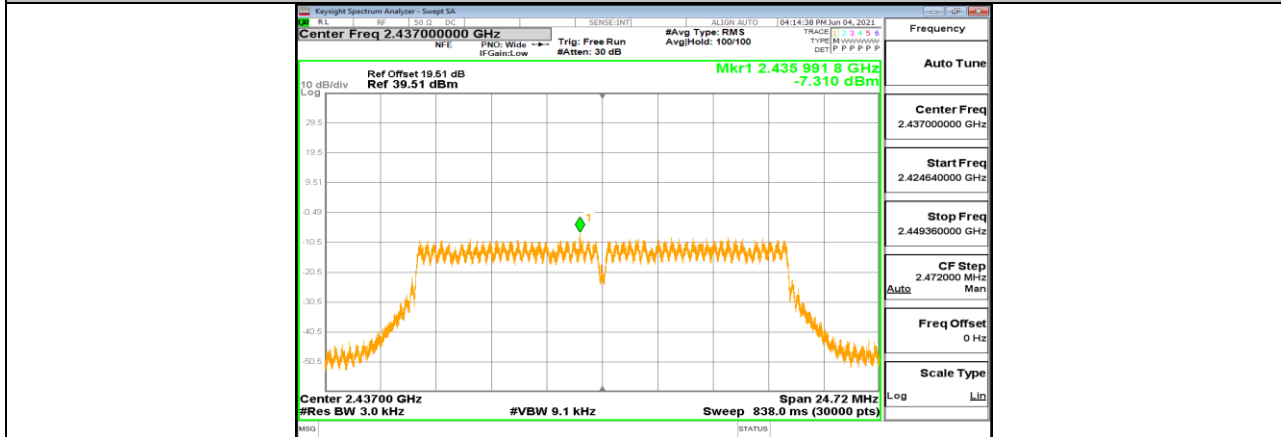


### 10.4.2. Test Graphs

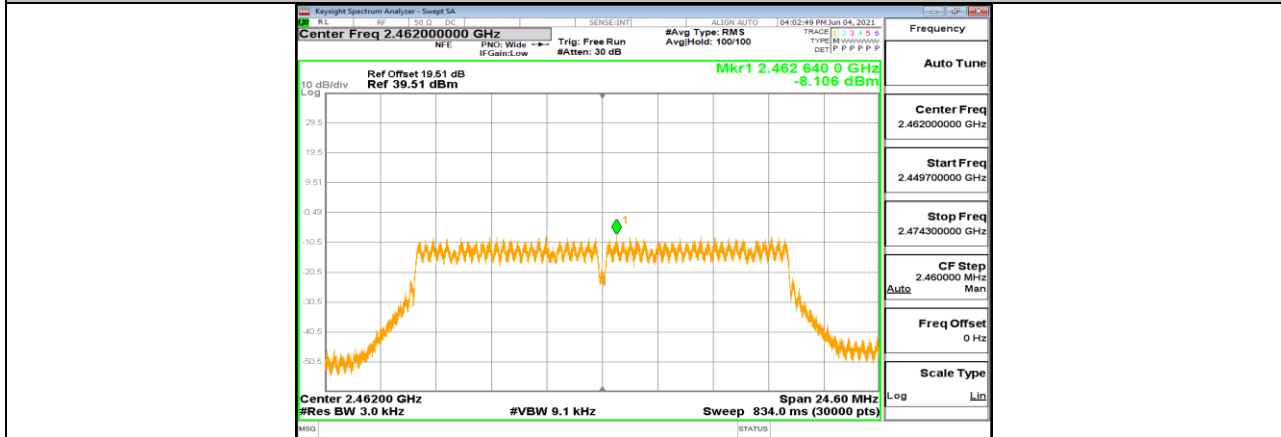




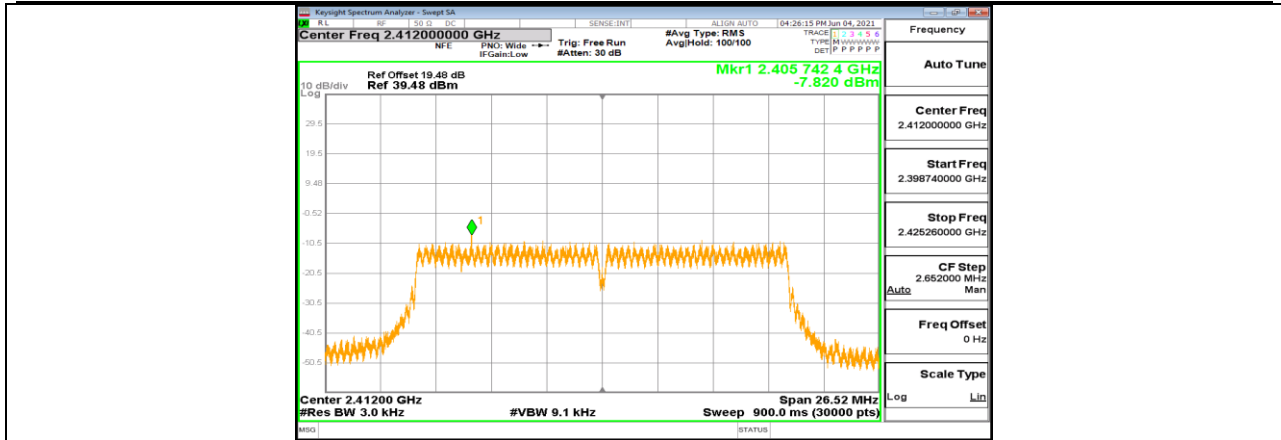
11G\_Ant1\_2412



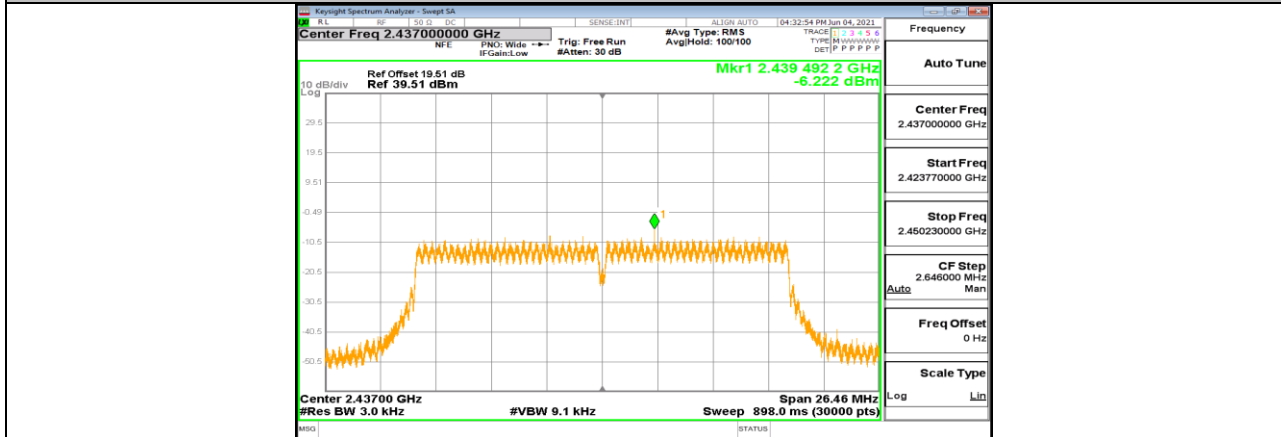
11G\_Ant1\_2437



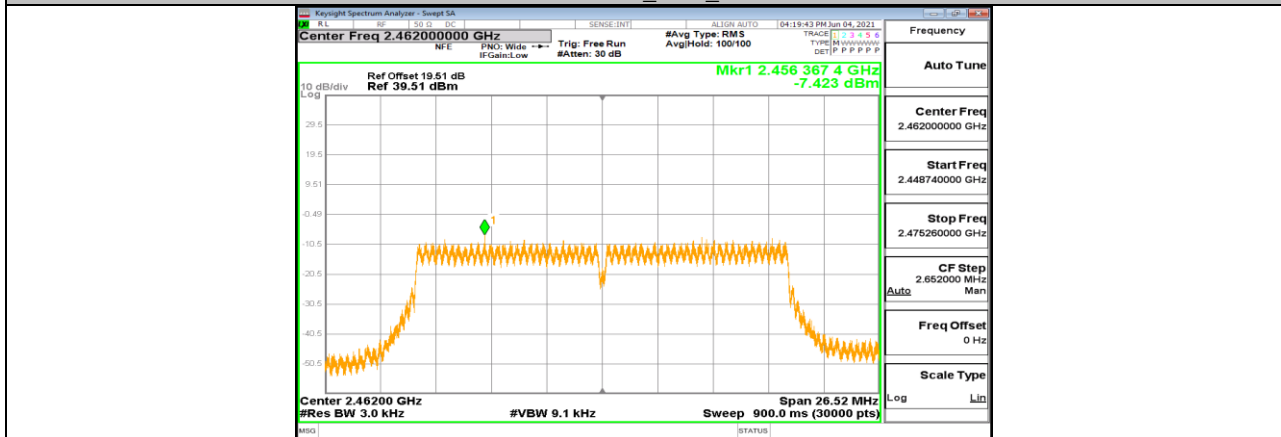
11G\_Ant1\_2462



11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462





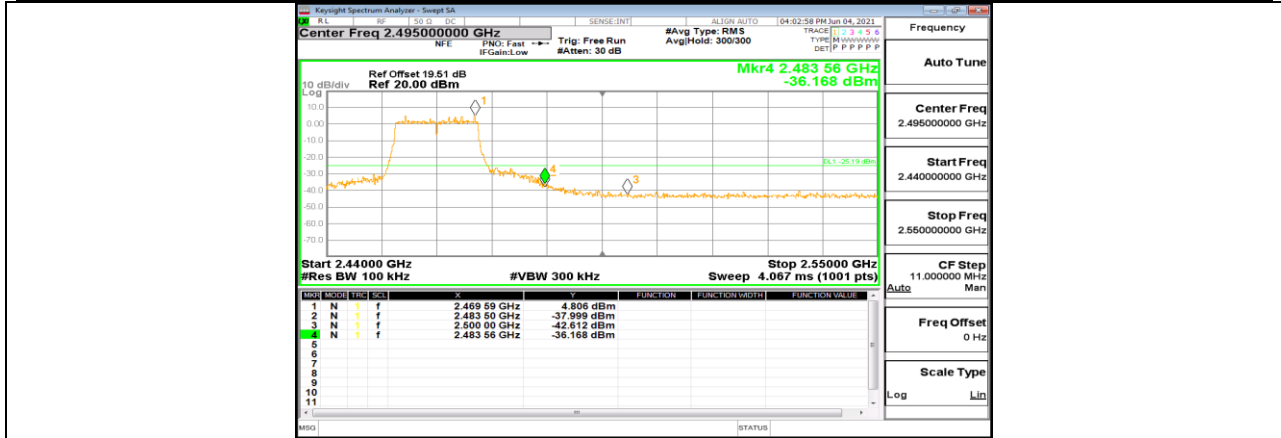
**10.5. Appendix E: Band edge measurements**  
**10.5.1. Test Result**

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.52	-34.53	<=-23.48	PASS
		High	2462	7.73	-40.53	<=-22.27	PASS
11G	Ant1	Low	2412	2.94	-30.02	<=-27.06	PASS
		High	2462	4.81	-36.17	<=-25.19	PASS
11N20SISO	Ant1	Low	2412	3.73	-27.47	<=-26.27	PASS
		High	2462	4.26	-30.51	<=-25.74	PASS

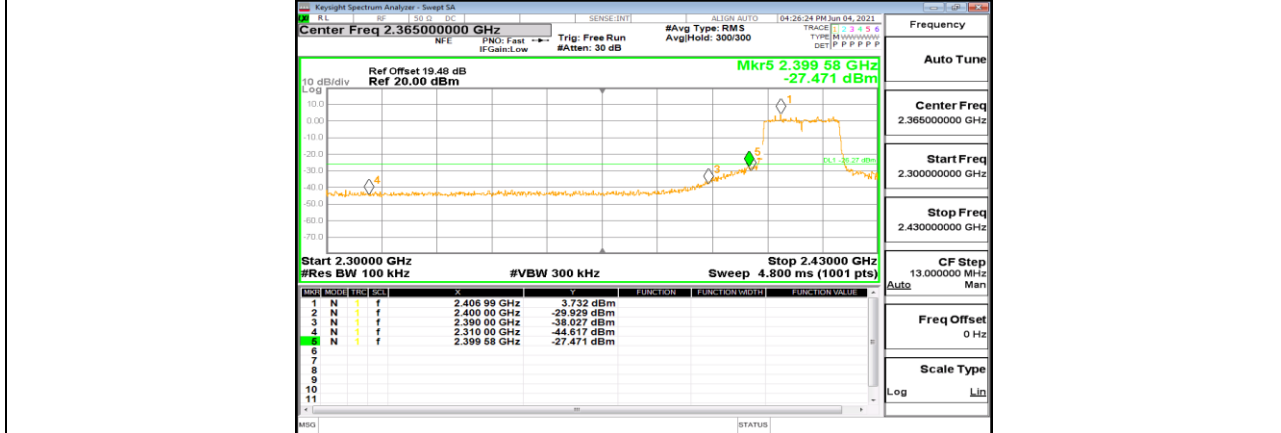


### 10.5.2. Test Graphs

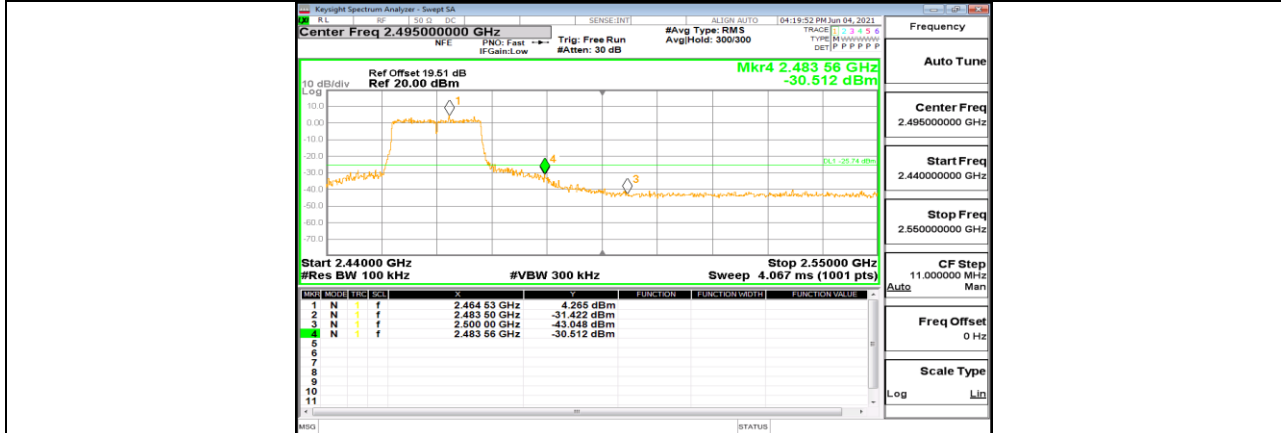




11G\_Ant1\_High\_2462



11N20SISO\_Ant1\_Low\_2412



11N20SISO\_Ant1\_High\_2462



**10.6. Appendix F: Conducted Spurious Emission**  
**10.6.1. Test Result**

Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.20	---	PASS
			30~1000	-52.52	<=-23.81	PASS
			1000~26500	-44.3	<=-23.81	PASS
		2437	Reference	6.55	---	PASS
			30~1000	-53.06	<=-23.46	PASS
			1000~26500	-44.67	<=-23.46	PASS
		2462	Reference	7.86	---	PASS
			30~1000	-53.31	<=-22.14	PASS
			1000~26500	-44.59	<=-22.14	PASS
11G	Ant1	2412	Reference	3.19	---	PASS
			30~1000	-53.9	<=-26.81	PASS
			1000~26500	-45.09	<=-26.81	PASS
		2437	Reference	4.62	---	PASS
			30~1000	-53.1	<=-25.38	PASS
			1000~26500	-44.89	<=-25.38	PASS
		2462	Reference	3.23	---	PASS
			30~1000	-53.2	<=-26.77	PASS
			1000~26500	-44.98	<=-26.77	PASS
11N20SISO	Ant1	2412	Reference	3.88	---	PASS
			30~1000	-53.84	<=-26.12	PASS
			1000~26500	-44.19	<=-26.12	PASS
		2437	Reference	3.92	---	PASS
			30~1000	-51.98	<=-26.08	PASS
			1000~26500	-44.12	<=-26.08	PASS
		2462	Reference	4.88	---	PASS
			30~1000	-53.84	<=-25.12	PASS
			1000~26500	-44.07	<=-25.12	PASS

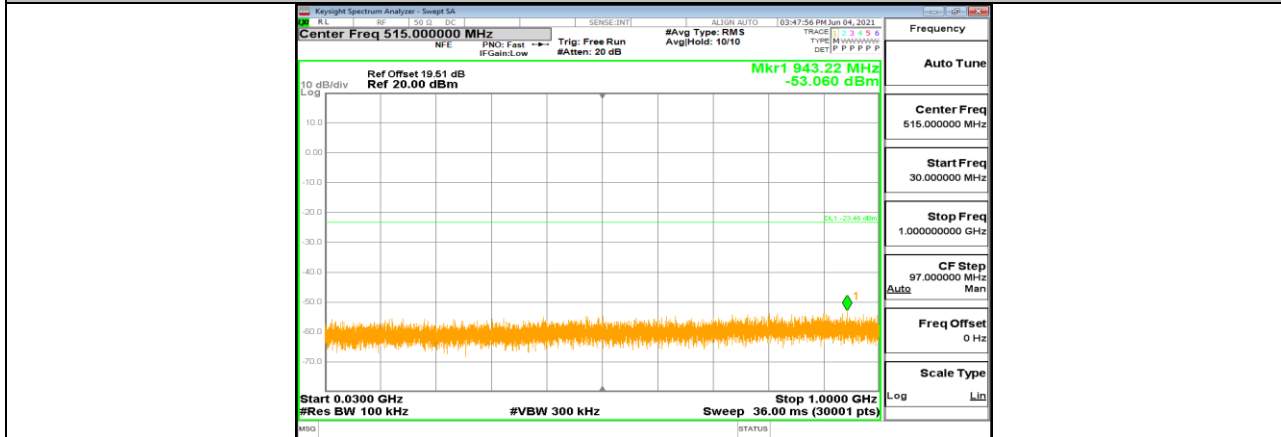


### 10.6.2. Test Graphs

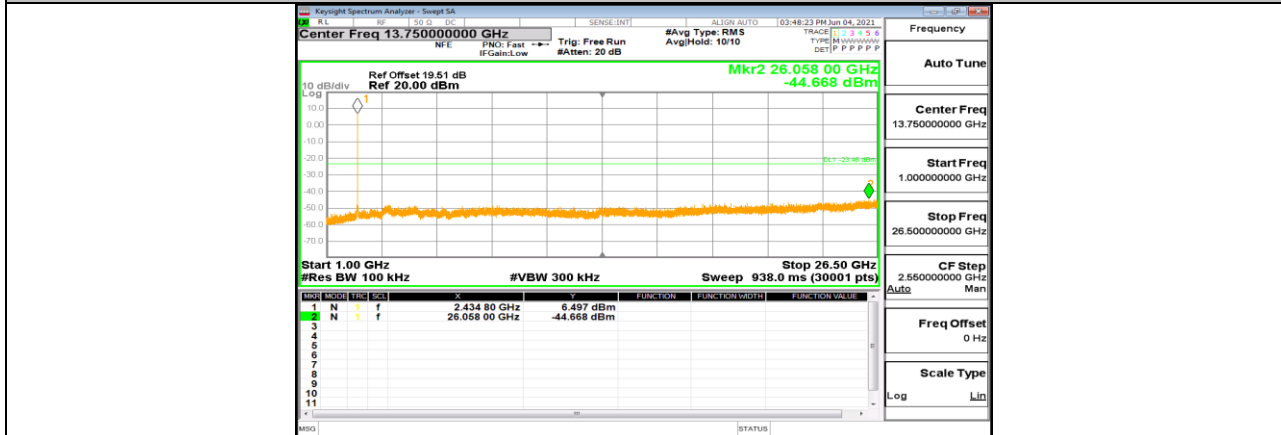




11B\_Ant1\_2437\_0-Reference



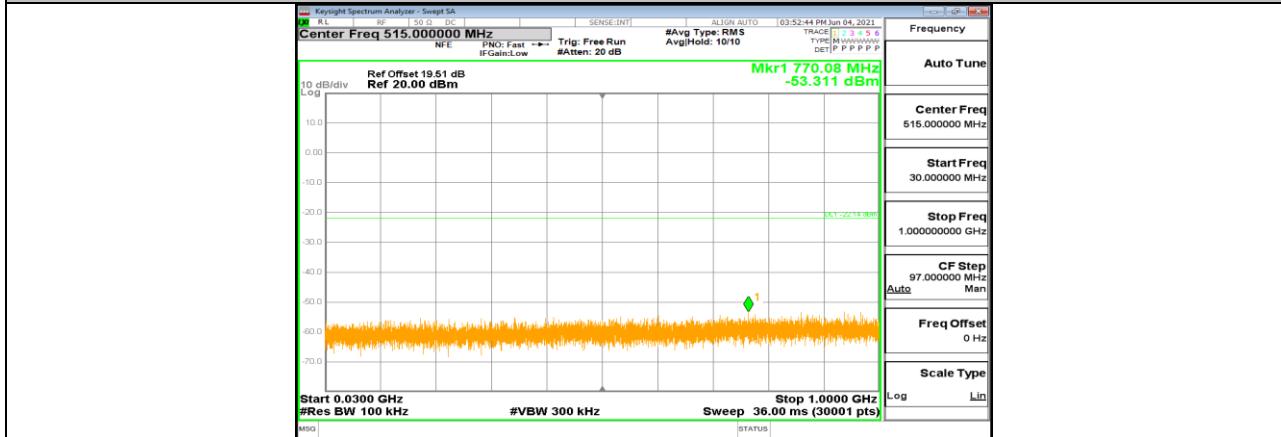
11B\_Ant1\_2437\_30-1000



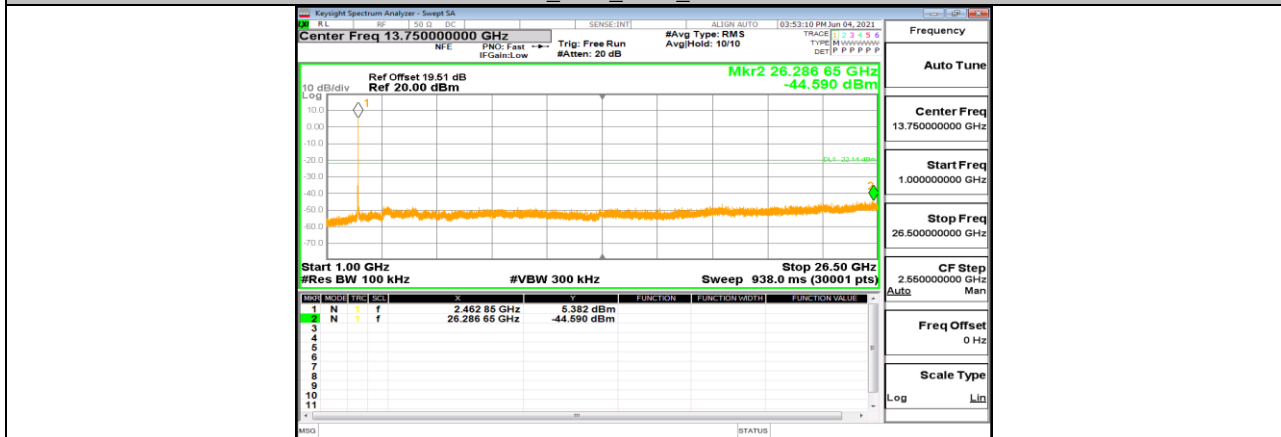
11B\_Ant1\_2437\_1000-26500



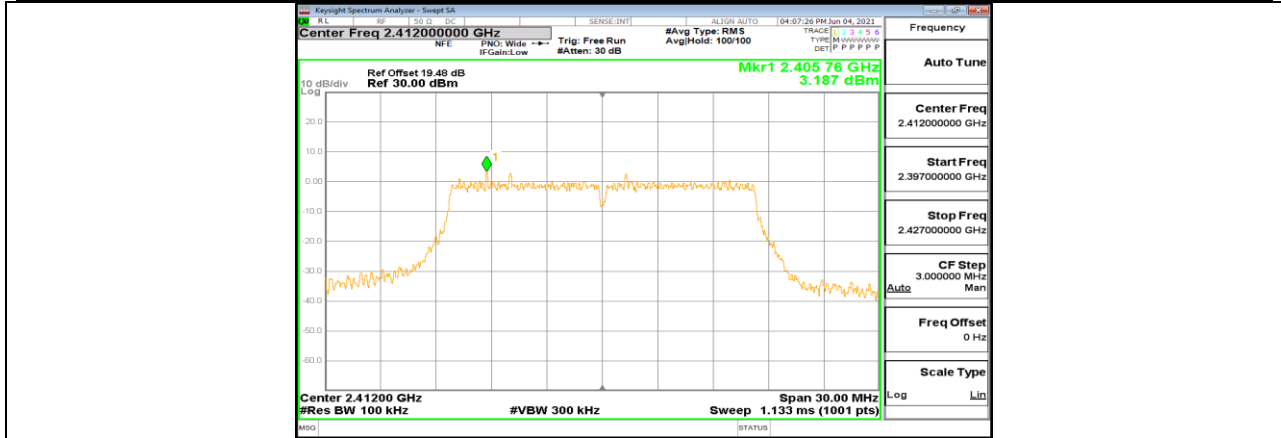
11B\_Ant1\_2462\_0-Reference



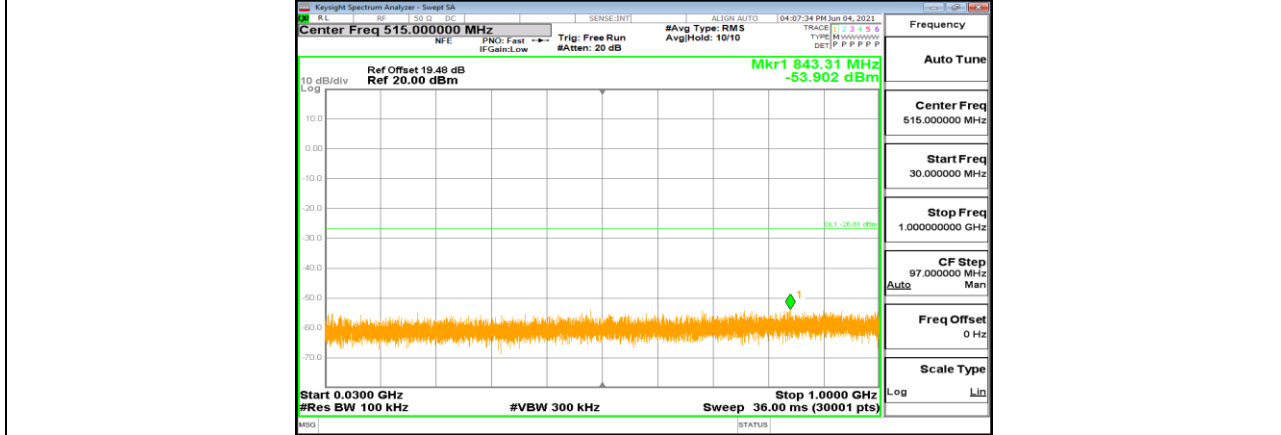
11B\_Ant1\_2462\_30-1000



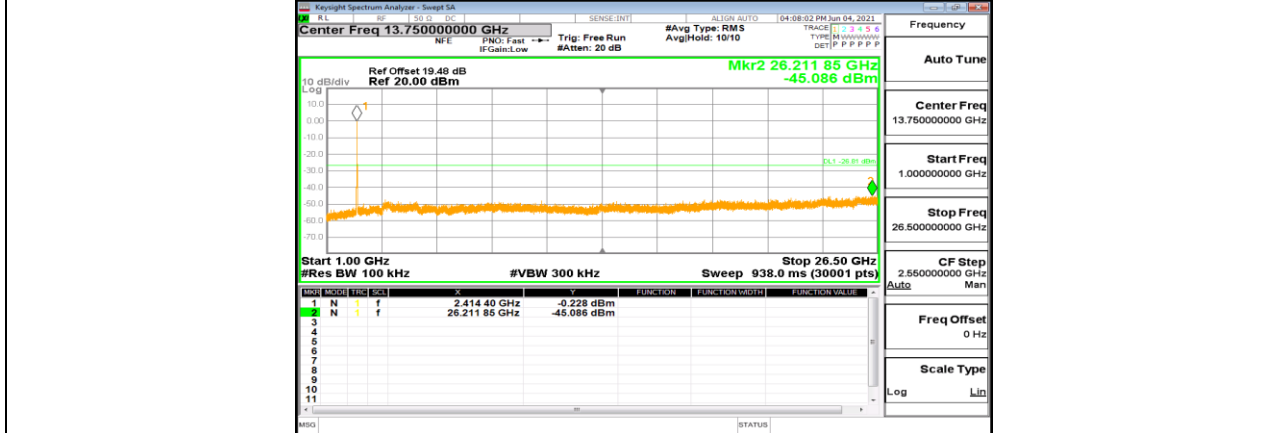
11B\_Ant1\_2462\_1000-26500



11G\_Ant1\_2412\_0-Reference

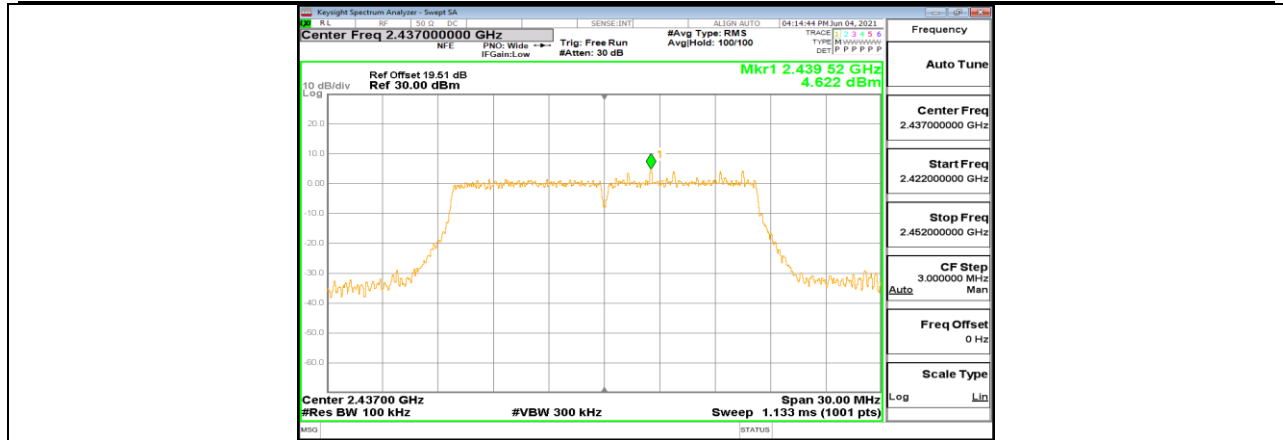


11G\_Ant1\_2412\_30-1000

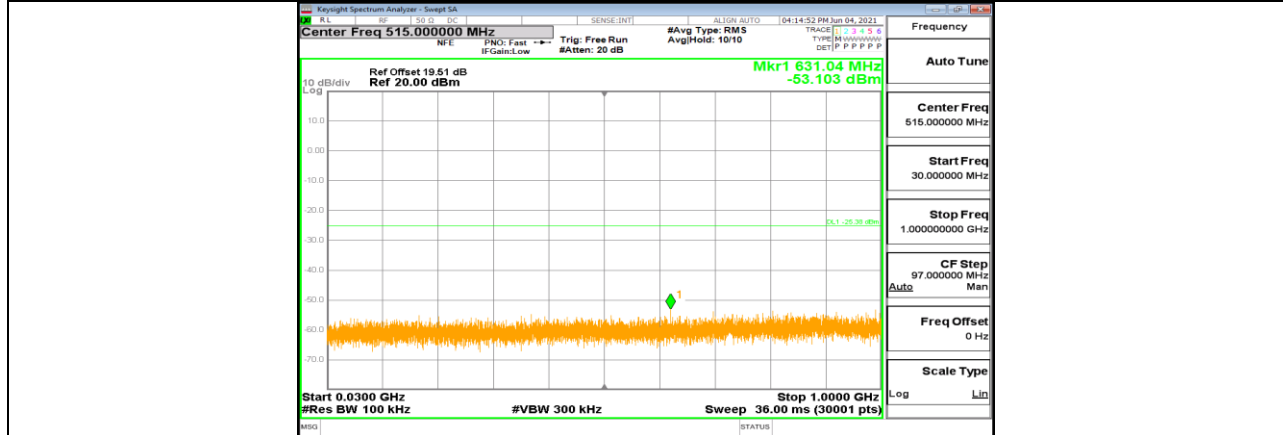


11G\_Ant1\_2412\_1000-26500

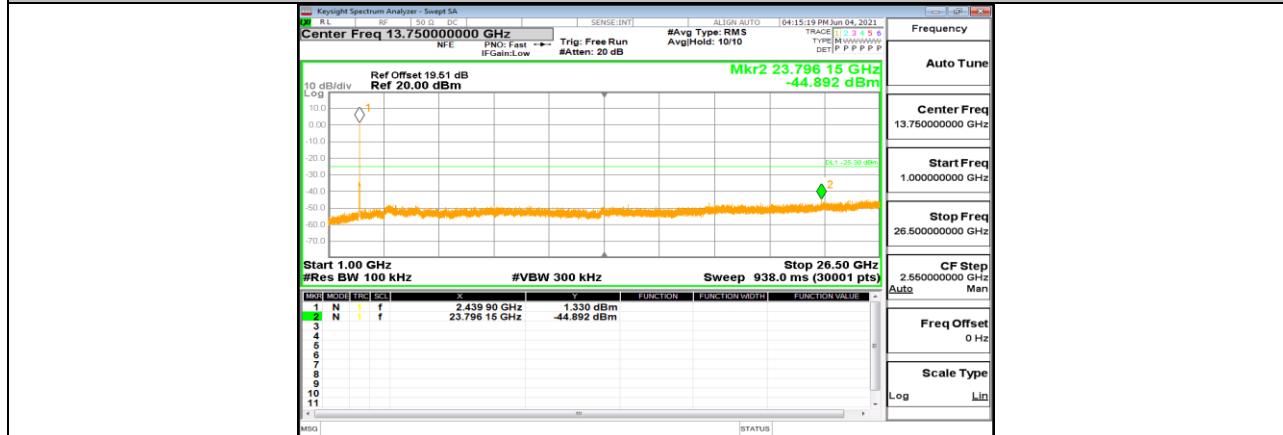




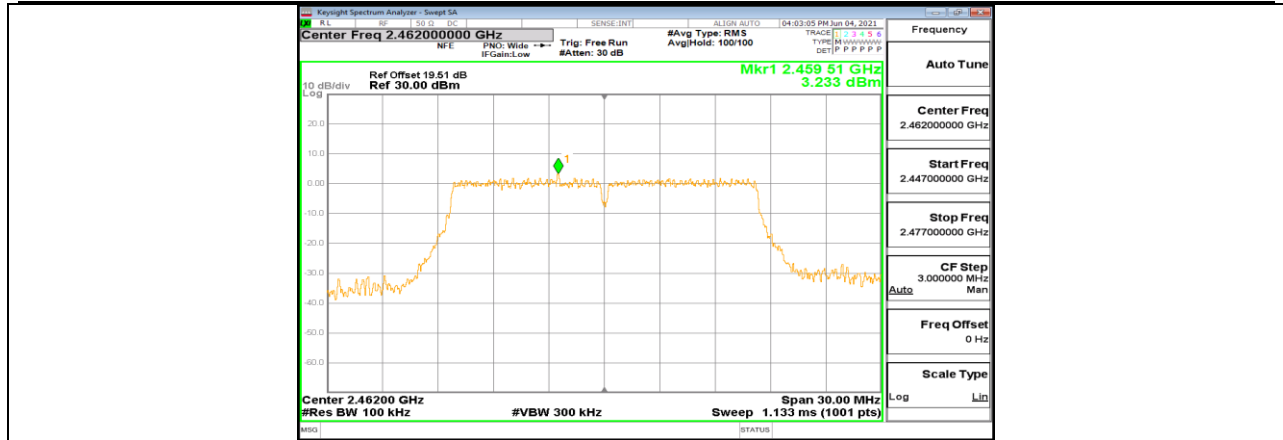
11G\_Ant1\_2437\_0-Reference



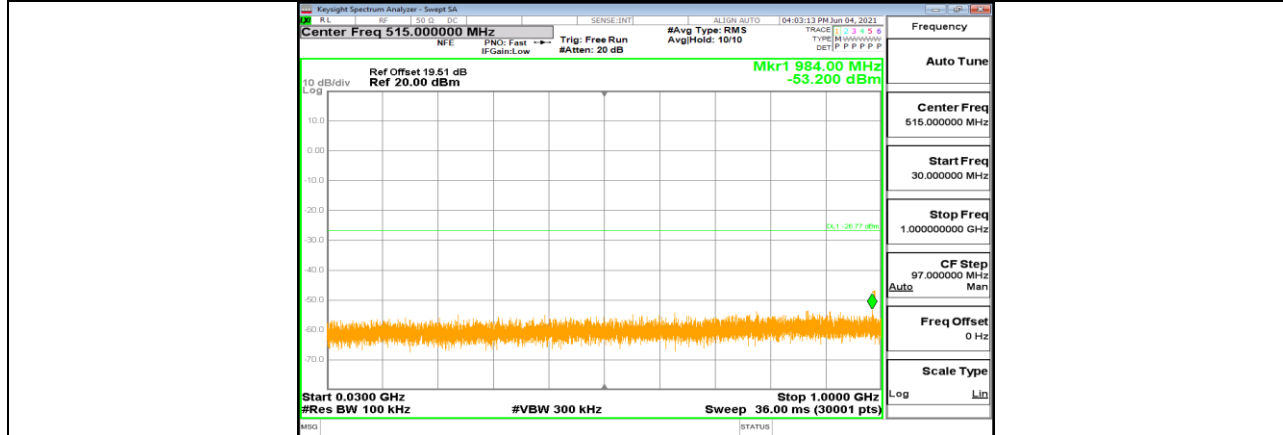
11G\_Ant1\_2437\_30-1000



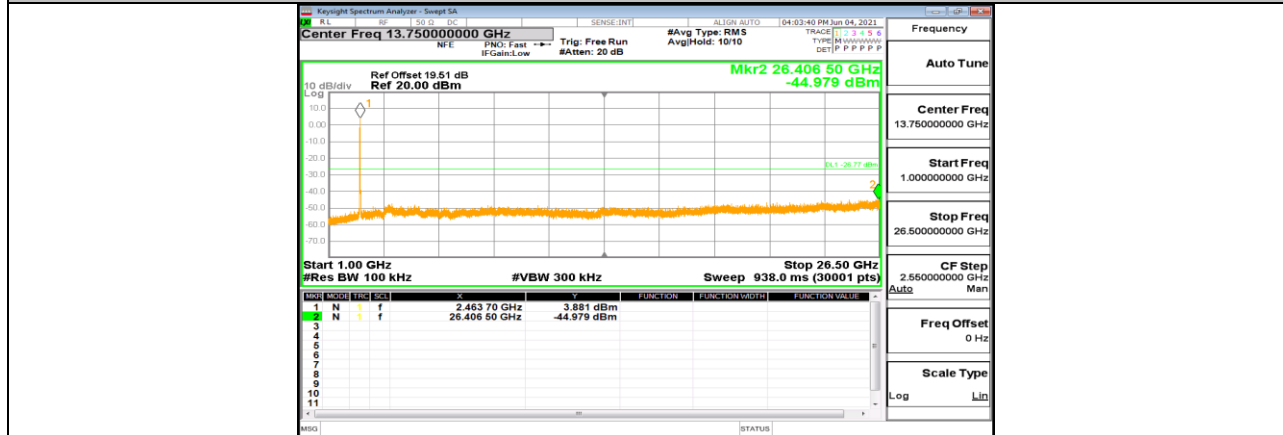
11G\_Ant1\_2437\_1000-26500



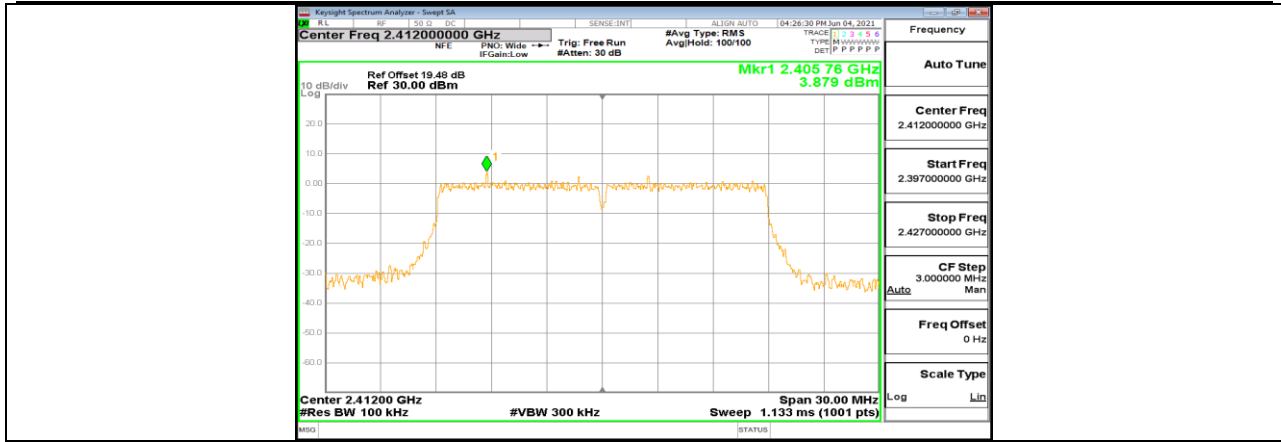
11G\_Ant1\_2462\_0-Reference



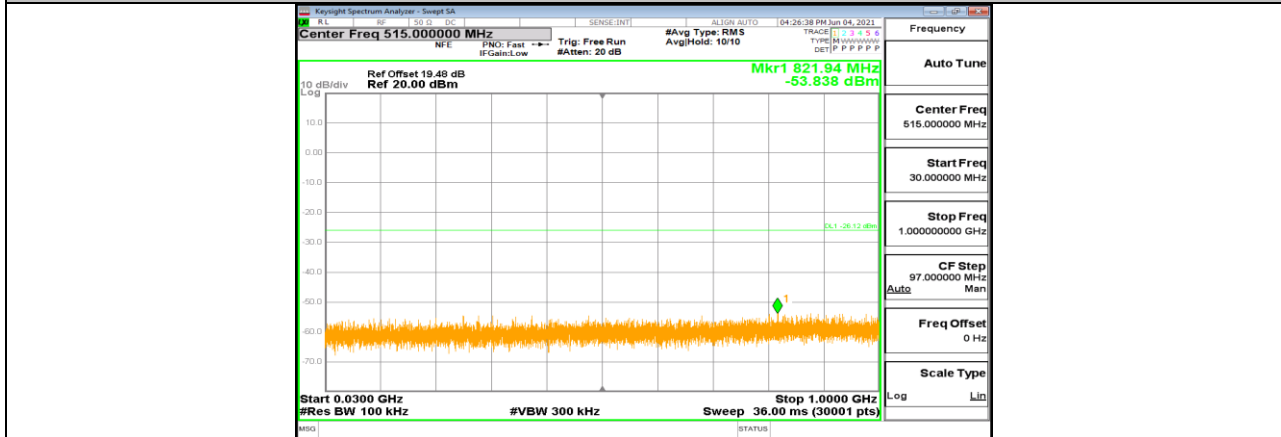
11G\_Ant1\_2462\_30-1000



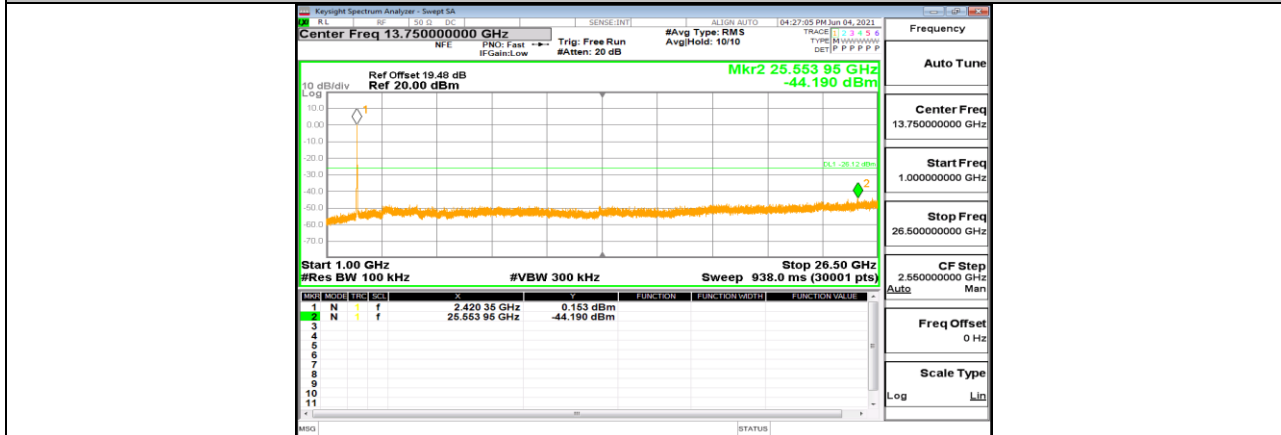
11G\_Ant1\_2462\_1000-26500



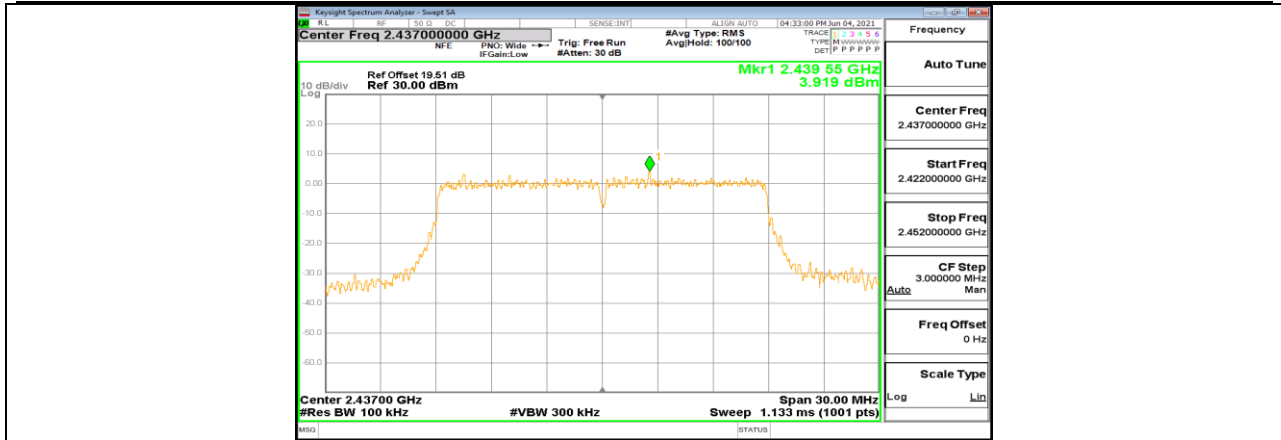
11N20SISO\_Ant1\_2412\_0~Reference



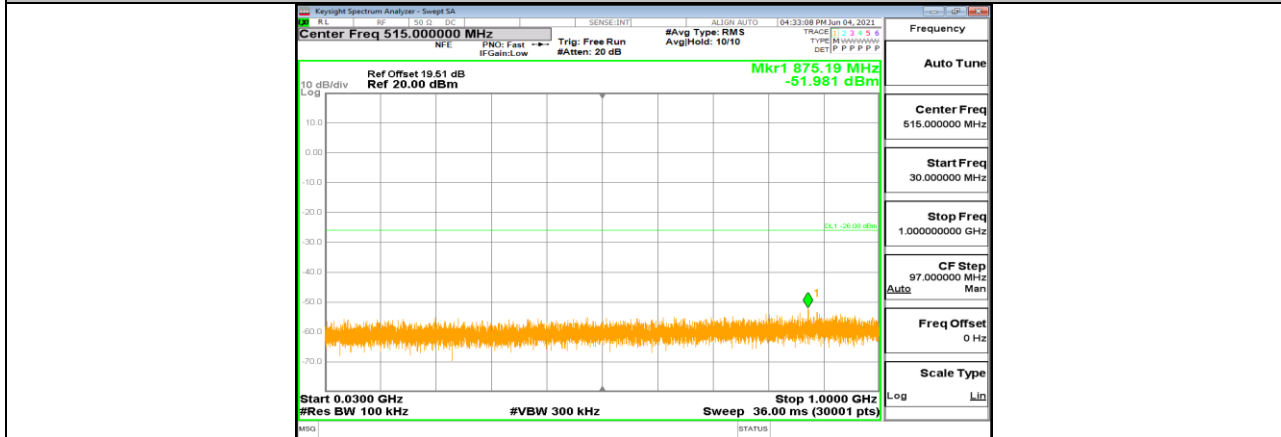
11N20SISO\_Ant1\_2412\_30~1000



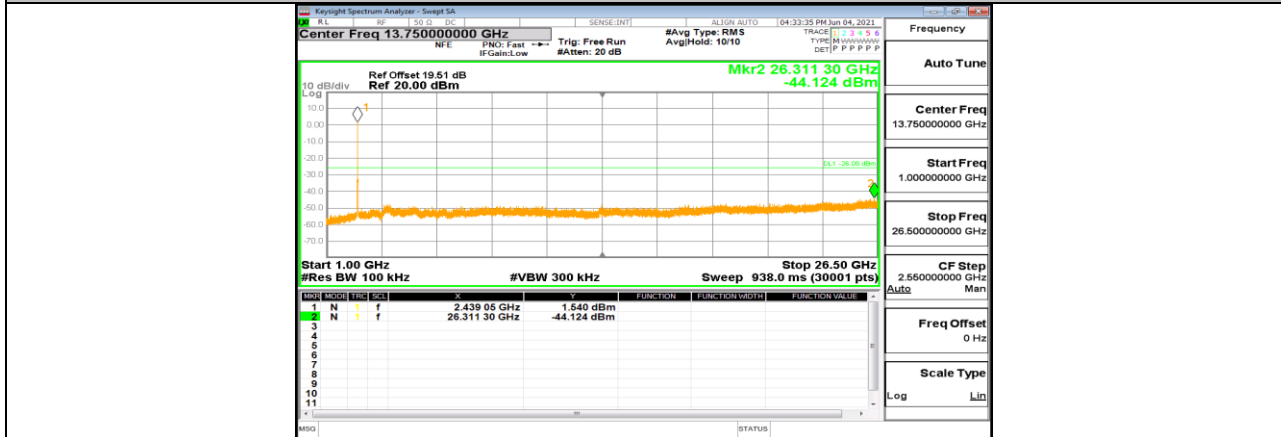
11N20SISO\_Ant1\_2412\_1000~26500



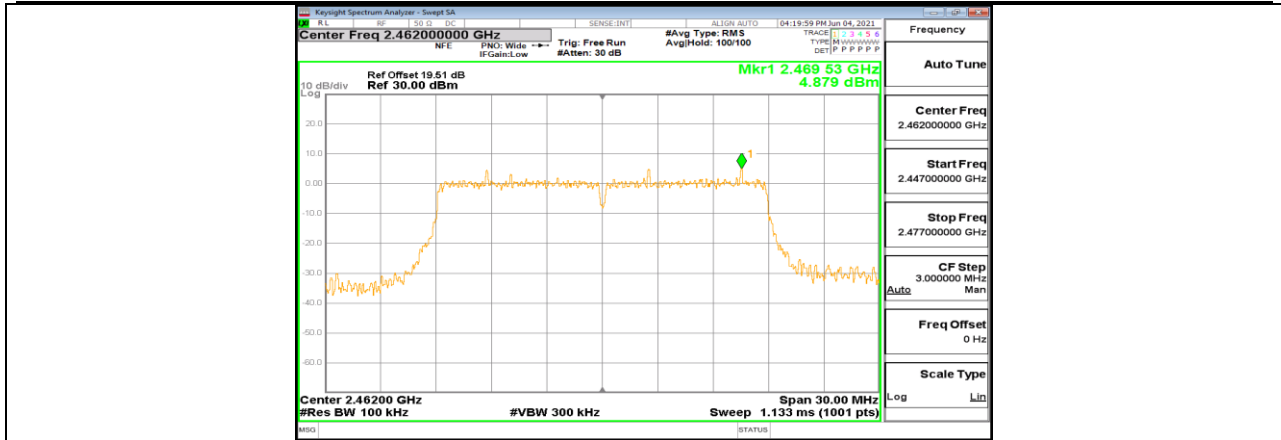
11N20SISO\_Ant1\_2437\_0~Reference



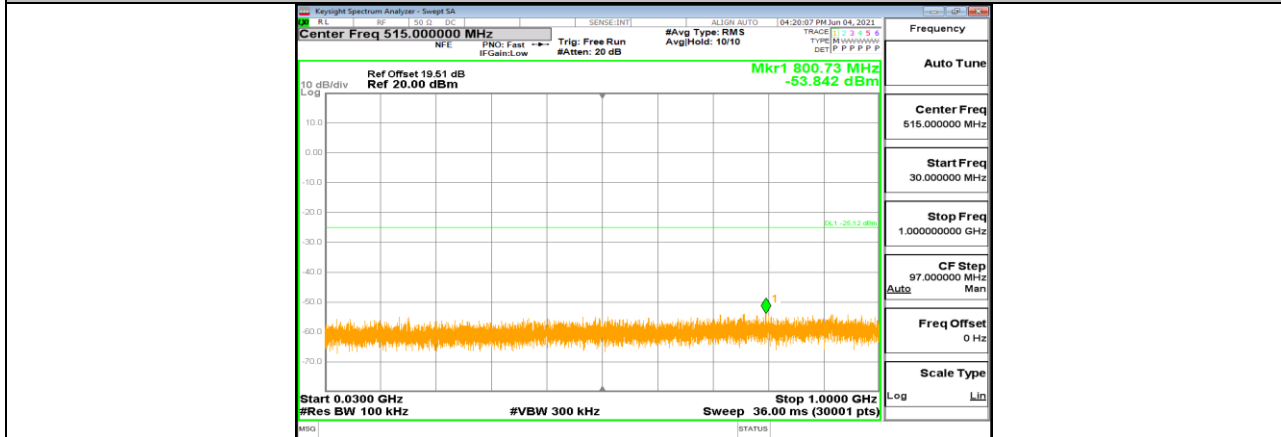
11N20SISO\_Ant1\_2437\_30~1000



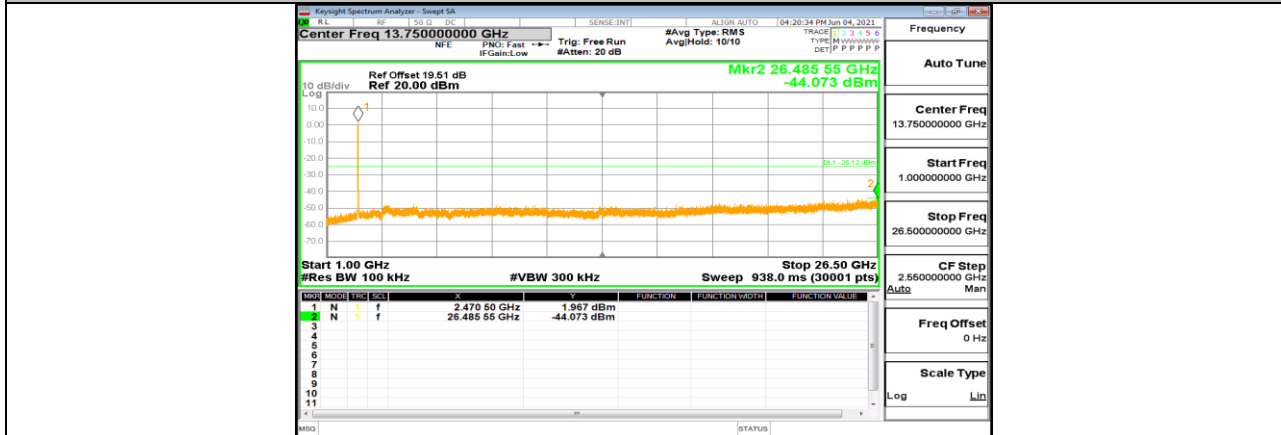
11N20SISO\_Ant1\_2437\_1000~26500



11N20SISO\_Ant1\_2462\_0~Reference



11N20SISO\_Ant1\_2462\_30~1000



11N20SISO\_Ant1\_2462\_1000~26500



**10.7. Appendix G: Duty Cycle**  
**10.7.1. Test Result**

Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	107.5	107.5	1.0000	100.00	0.00	0.01	0.01
11G	2.722	2.764	0.9848	98.48	0.07	0.37	0.01
11N20SISO	2.537	2.579	0.9837	98.37	0.07	0.39	0.01

Note:

Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.



### 10.7.2. Test Graphs



11B\_Ant1\_2437



11G\_Ant1\_2437



11N20SISO\_Ant1\_2437



## END OF REPORT