



1 CO-LOCATION

1.1 Transmitter Radiated Unwanted Emissions

1.1.1 Transmitter Radiated Unwanted Emissions Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

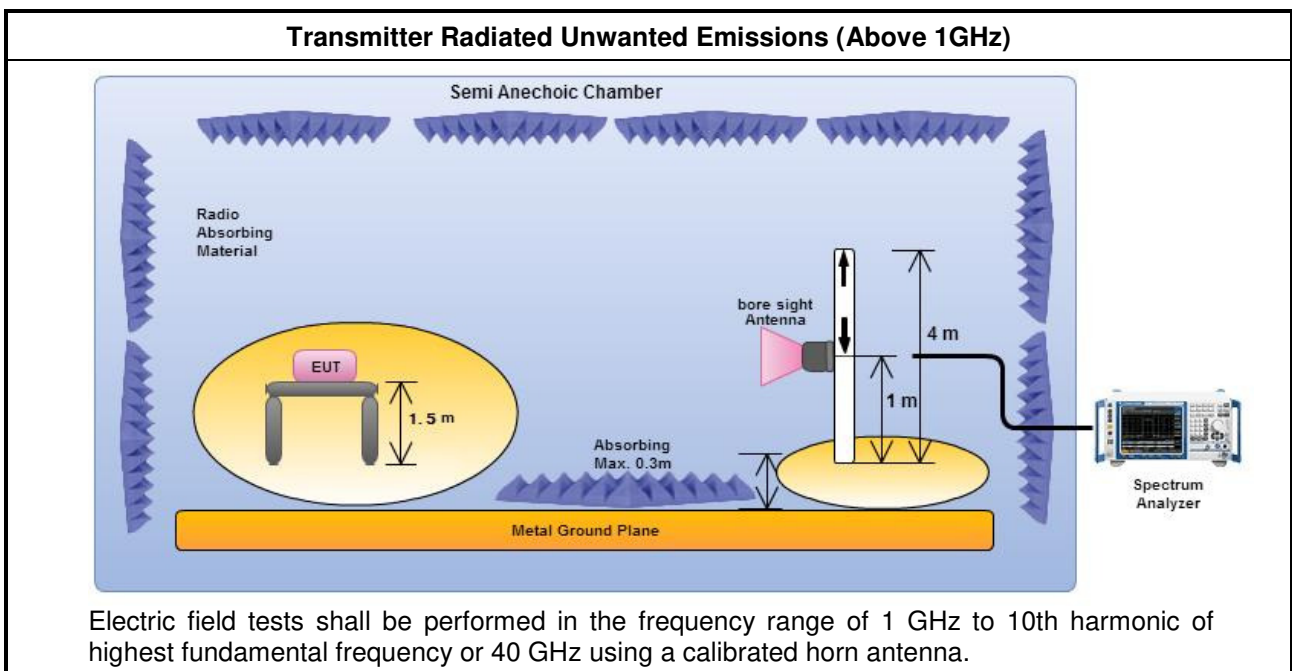
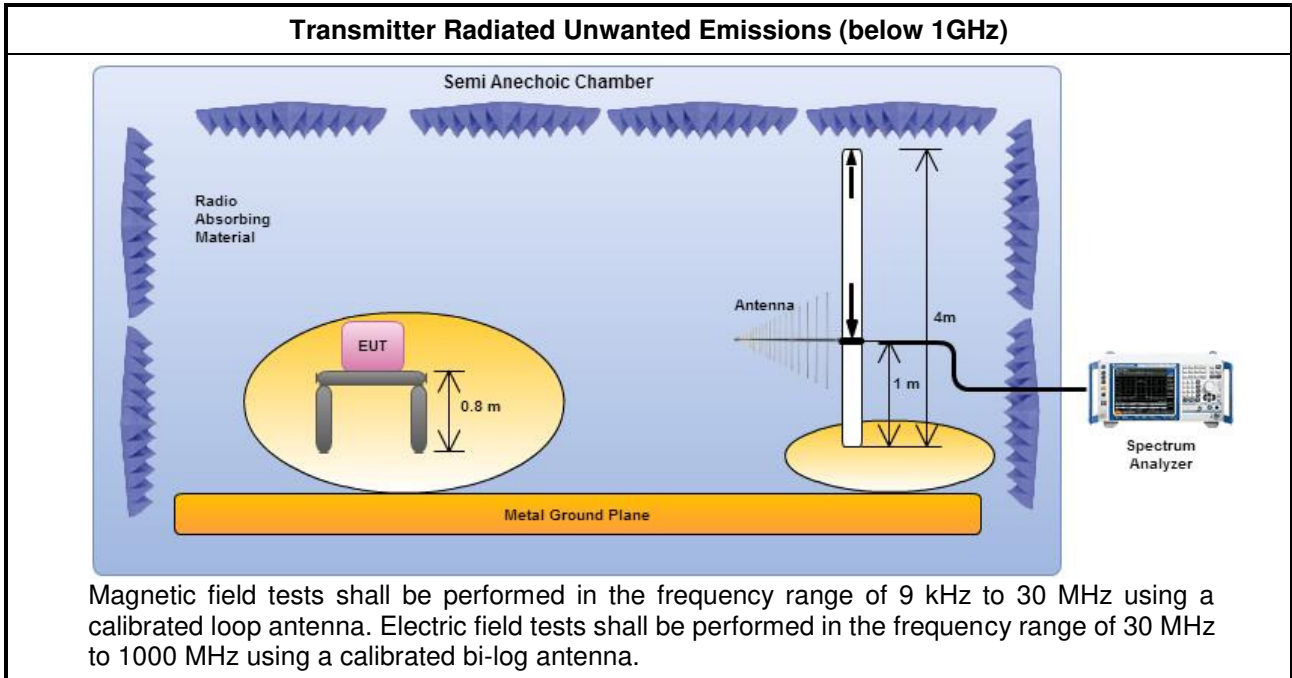
Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.



1.1.2 Test Procedures

Test Method	
<input checked="" type="checkbox"/>	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).
<input checked="" type="checkbox"/>	The average emission levels shall be measured in [duty cycle \geq 98 or duty factor].
<input checked="" type="checkbox"/>	For the transmitter unwanted emissions shall be measured using following options below:
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 12.2.5.1 and 9.2.1 Option 1 (spectral trace averaging)
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 12.2.5.2 and 9.2.1 Option 2 (slow sweep speed).
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW). VBW \geq 1/T, where T is pulse time.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions.
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 12.2.4 and 9.1.1 measurement procedure peak limit.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 12.2.3 measurement procedure Quasi-Peak limit.
<input checked="" type="checkbox"/>	For radiated measurement, refer as FCC KDB 558074, clause 12.1.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
<input checked="" type="checkbox"/>	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.
<input type="checkbox"/>	For conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 12.2.2.
<input type="checkbox"/>	For conducted unwanted emissions into non-restricted bands (relative emission limits). Devices with multiple transmit chains: Refer as FCC KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs.
<input type="checkbox"/>	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB

1.1.3 Test Setup



1.1.4 Transmitter Radiated Unwanted Emissions (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

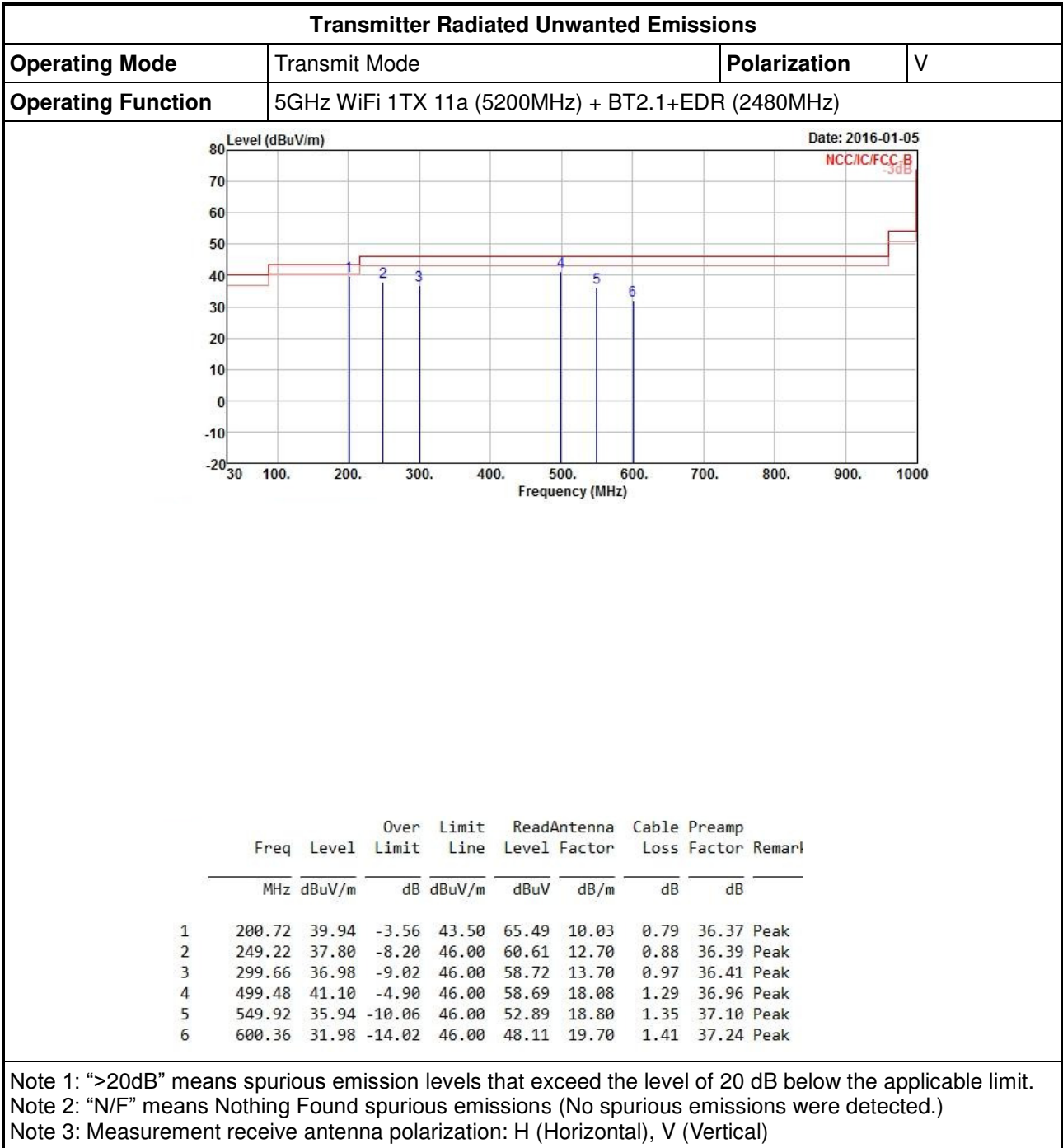


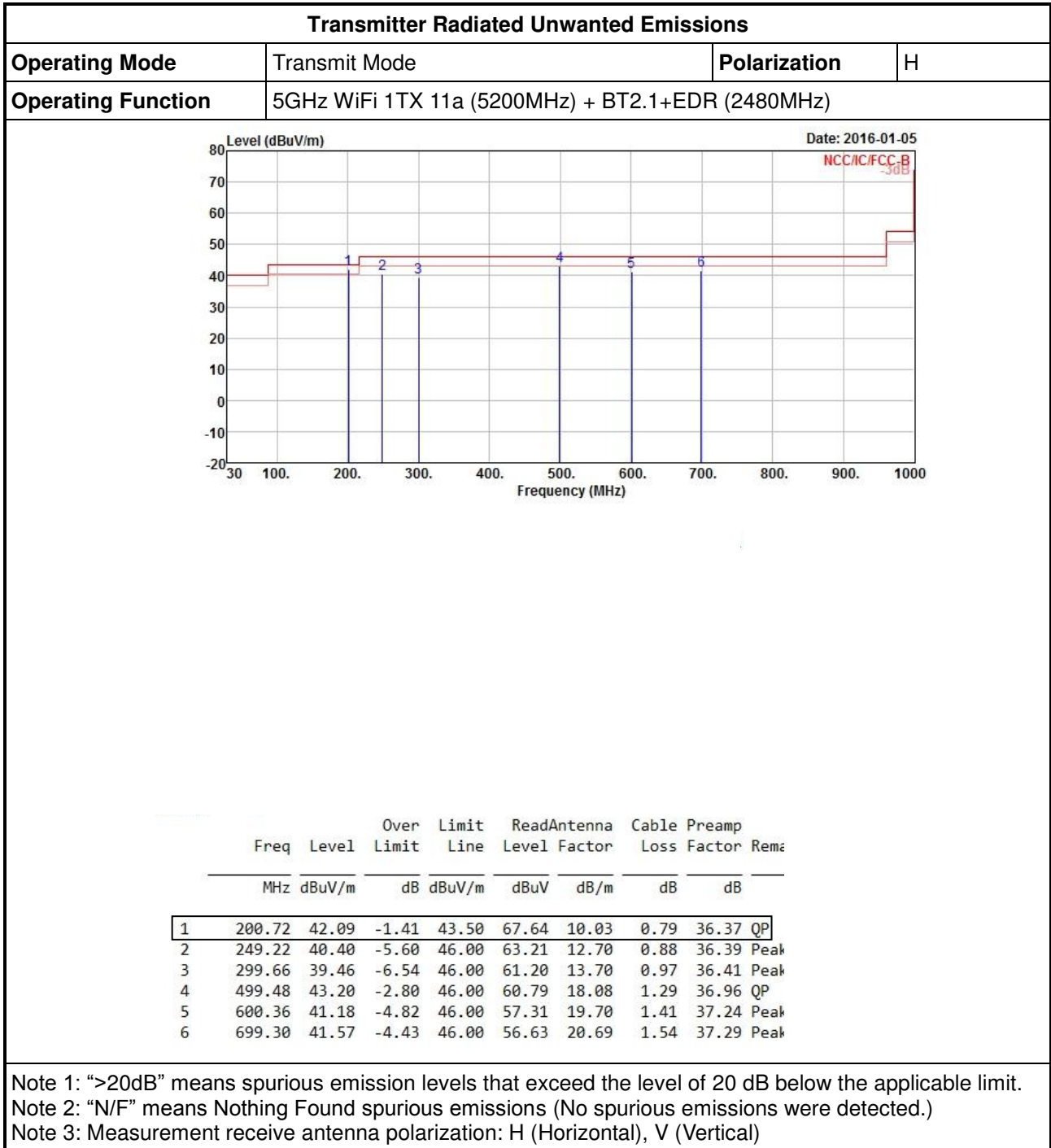
Transmitter Radiated Unwanted Emissions			
Operating Mode	Transmit Mode	Polarization	H
Operating Function	2.4GHz WiFi 1TX 11g (2462MHz) + BT2.1+EDR (2480MHz)		

Date: 2016-01-05

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remai
			dB	dBuV/m	dBuV	dB	dB	
1	200.72	39.21	-4.29	43.50	64.76	10.03	0.79	36.37 Peak
2	249.22	40.48	-5.52	46.00	63.29	12.70	0.88	36.39 Peak
3	299.66	39.44	-6.56	46.00	61.18	13.70	0.97	36.41 Peak
4	499.48	43.15	-2.85	46.00	60.74	18.08	1.29	36.96 QP
5	600.36	42.28	-3.72	46.00	58.41	19.70	1.41	37.24 Peak
6	699.30	41.77	-4.23	46.00	56.83	20.69	1.54	37.29 Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)







Transmitter Radiated Unwanted Emissions																																																																																			
Operating Mode	Transmit Mode	Polarization	V																																																																																
Operating Function	2.4GHz WiFi 1TX 11g (2462MHz) + BT4.0 (2440MHz)																																																																																		
<div style="display: flex; justify-content: space-between;"> <div> <p style="font-size: small;">Date: 2016-01-05 NCC/C/FCC-B -3dB</p> </div> </div>																																																																																			
<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit Line</th> <th>ReadAntenna Level</th> <th>Antenna Factor</th> <th>Cable Loss</th> <th>Preamp Factor</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>33.88</td> <td>28.53</td> <td>-11.47</td> <td>40.00</td> <td>47.93</td> <td>17.54</td> <td>0.34</td> <td>37.28</td> <td>Peak</td> </tr> <tr> <td>2</td> <td>200.72</td> <td>36.38</td> <td>-7.12</td> <td>43.50</td> <td>61.93</td> <td>10.03</td> <td>0.79</td> <td>36.37</td> <td>Peak</td> </tr> <tr> <td>3</td> <td>249.22</td> <td>37.82</td> <td>-8.18</td> <td>46.00</td> <td>60.63</td> <td>12.70</td> <td>0.88</td> <td>36.39</td> <td>Peak</td> </tr> <tr> <td>4</td> <td>350.10</td> <td>31.58</td> <td>-14.42</td> <td>46.00</td> <td>51.82</td> <td>15.20</td> <td>1.05</td> <td>36.49</td> <td>Peak</td> </tr> <tr> <td>5</td> <td>499.48</td> <td>40.78</td> <td>-5.22</td> <td>46.00</td> <td>58.37</td> <td>18.08</td> <td>1.29</td> <td>36.96</td> <td>Peak</td> </tr> <tr> <td>6</td> <td>549.92</td> <td>35.70</td> <td>-10.30</td> <td>46.00</td> <td>52.65</td> <td>18.80</td> <td>1.35</td> <td>37.10</td> <td>Peak</td> </tr> </tbody> </table>					Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		1	33.88	28.53	-11.47	40.00	47.93	17.54	0.34	37.28	Peak	2	200.72	36.38	-7.12	43.50	61.93	10.03	0.79	36.37	Peak	3	249.22	37.82	-8.18	46.00	60.63	12.70	0.88	36.39	Peak	4	350.10	31.58	-14.42	46.00	51.82	15.20	1.05	36.49	Peak	5	499.48	40.78	-5.22	46.00	58.37	18.08	1.29	36.96	Peak	6	549.92	35.70	-10.30	46.00	52.65	18.80	1.35	37.10	Peak
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark																																																																										
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB																																																																											
1	33.88	28.53	-11.47	40.00	47.93	17.54	0.34	37.28	Peak																																																																										
2	200.72	36.38	-7.12	43.50	61.93	10.03	0.79	36.37	Peak																																																																										
3	249.22	37.82	-8.18	46.00	60.63	12.70	0.88	36.39	Peak																																																																										
4	350.10	31.58	-14.42	46.00	51.82	15.20	1.05	36.49	Peak																																																																										
5	499.48	40.78	-5.22	46.00	58.37	18.08	1.29	36.96	Peak																																																																										
6	549.92	35.70	-10.30	46.00	52.65	18.80	1.35	37.10	Peak																																																																										
<p>Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.) Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)</p>																																																																																			



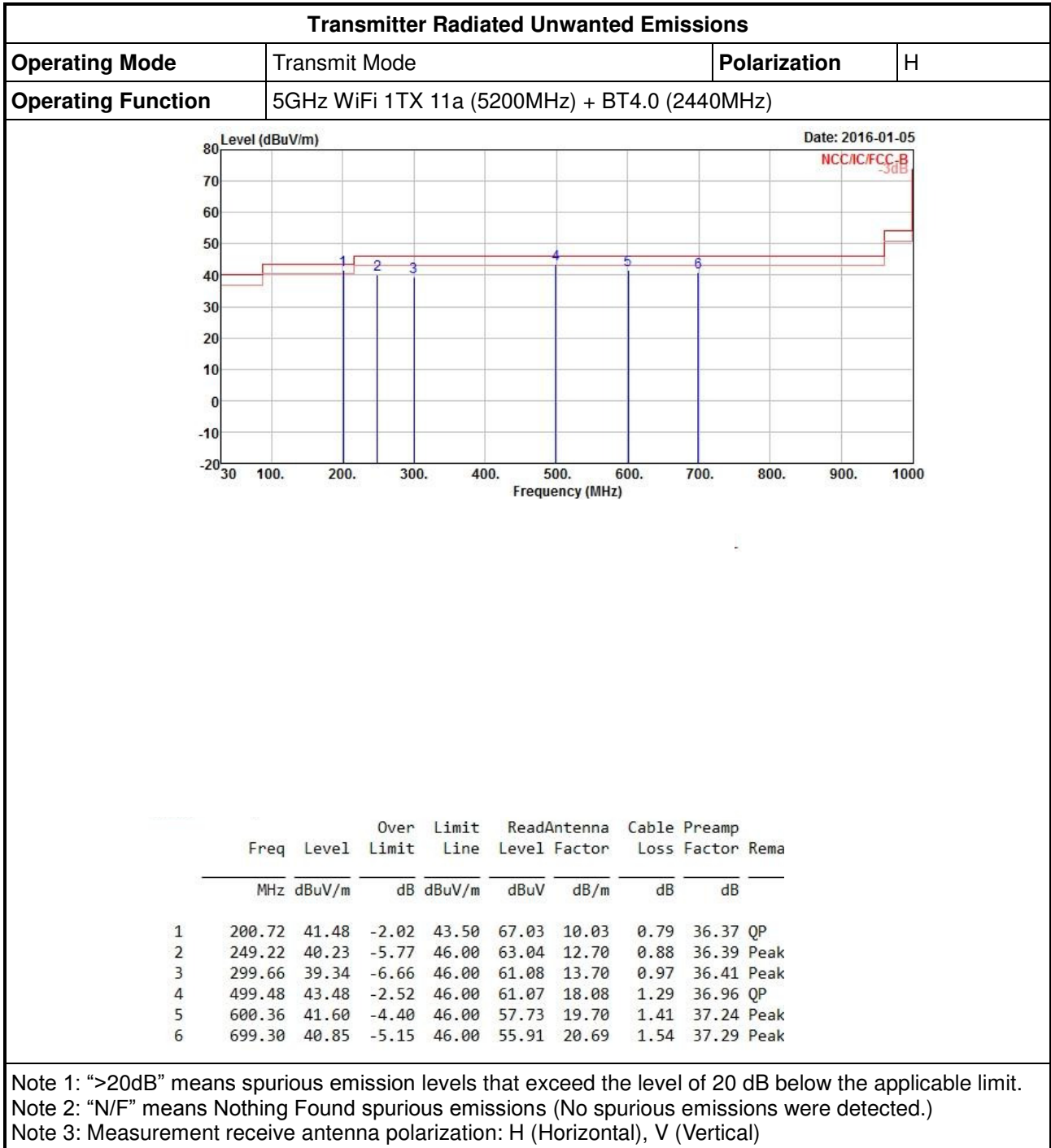
Transmitter Radiated Unwanted Emissions			
Operating Mode	Transmit Mode	Polarization	H
Operating Function	2.4GHz WiFi 1TX 11g (2462MHz) + BT4.0 (2440MHz)		

Date: 2016-01-05

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Rem.
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	200.72	39.46	-4.04	43.50	65.01	10.03	0.79	36.37	Peal
2	249.22	40.52	-5.48	46.00	63.33	12.70	0.88	36.39	Peal
3	299.66	39.65	-6.35	46.00	61.39	13.70	0.97	36.41	Peal
4	499.48	43.07	-2.93	46.00	60.66	18.08	1.29	36.96	QP
5	600.36	42.41	-3.59	46.00	58.54	19.70	1.41	37.24	Peal
6	699.30	42.32	-3.68	46.00	57.38	20.69	1.54	37.29	Peal

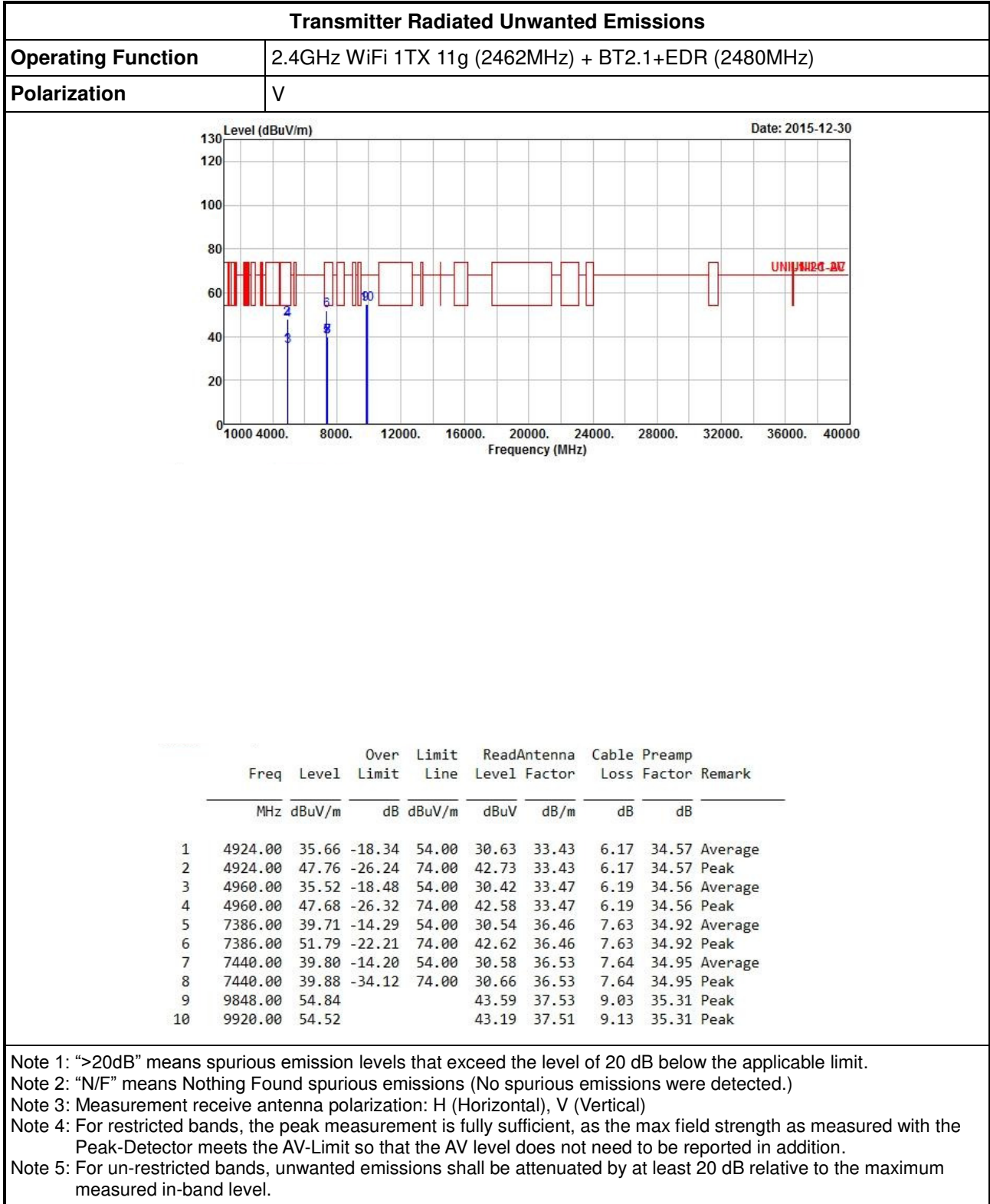
Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)

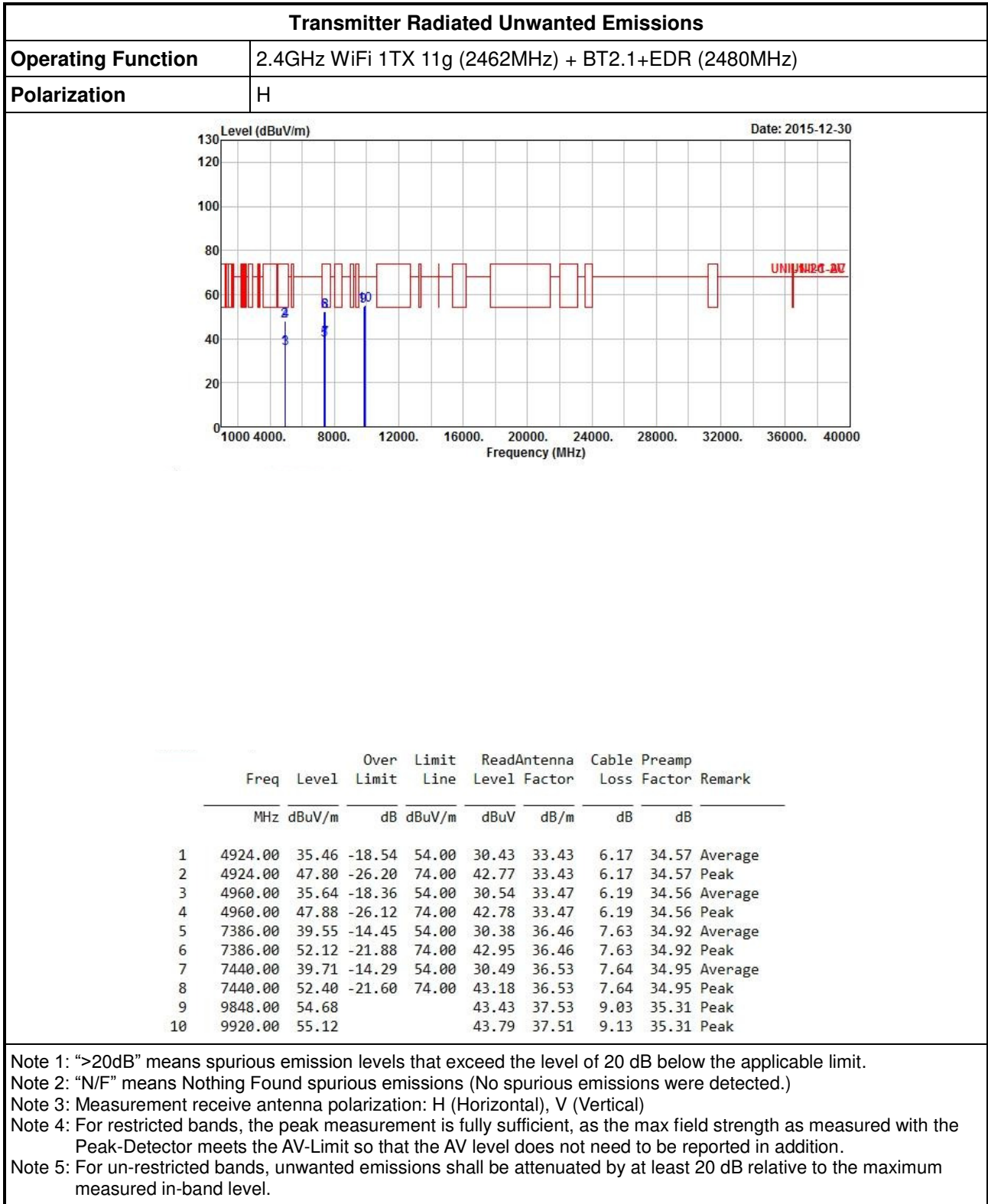






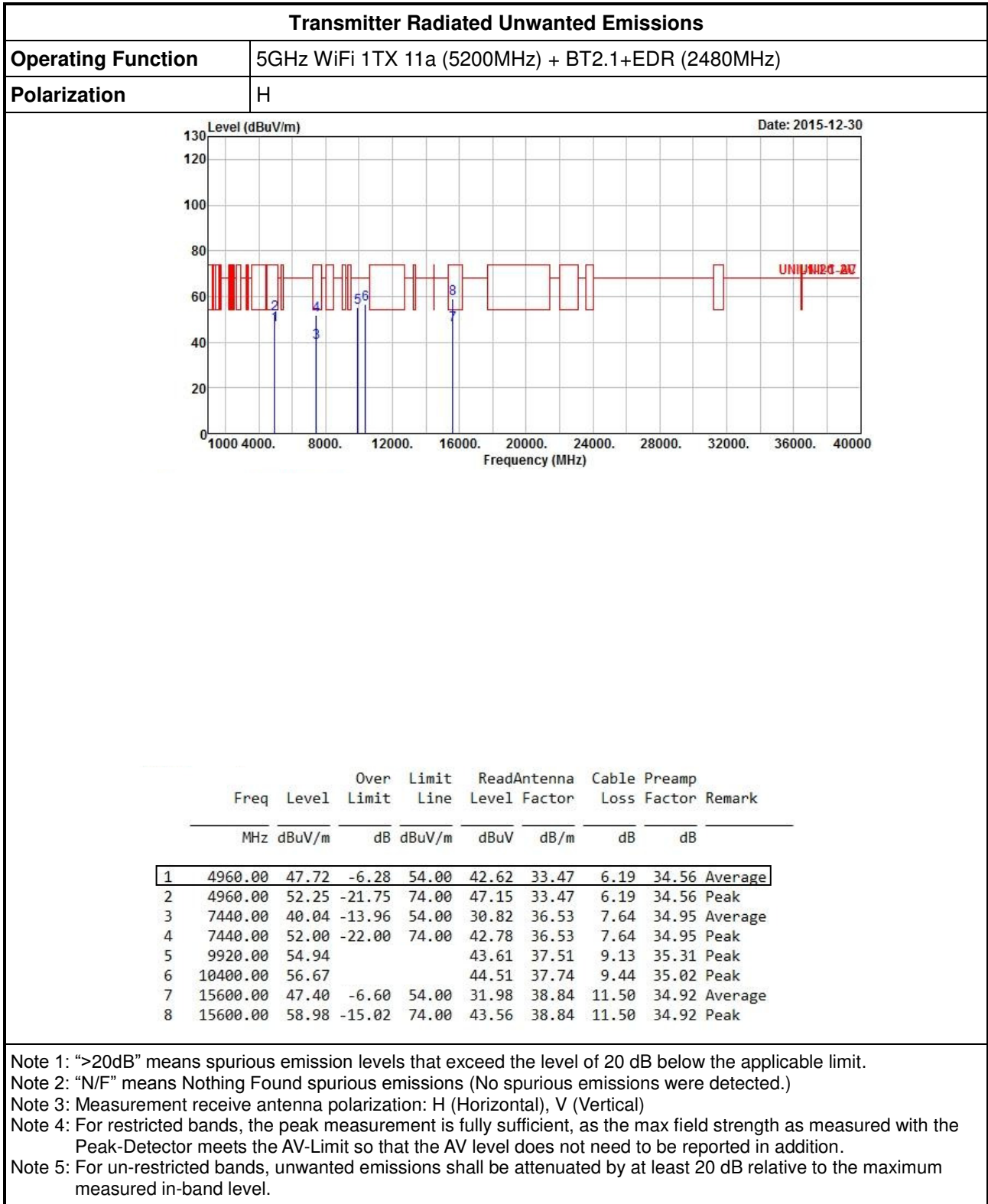
1.1.6 Results for Radiated Emissions (1GHz~10th Harmonic)





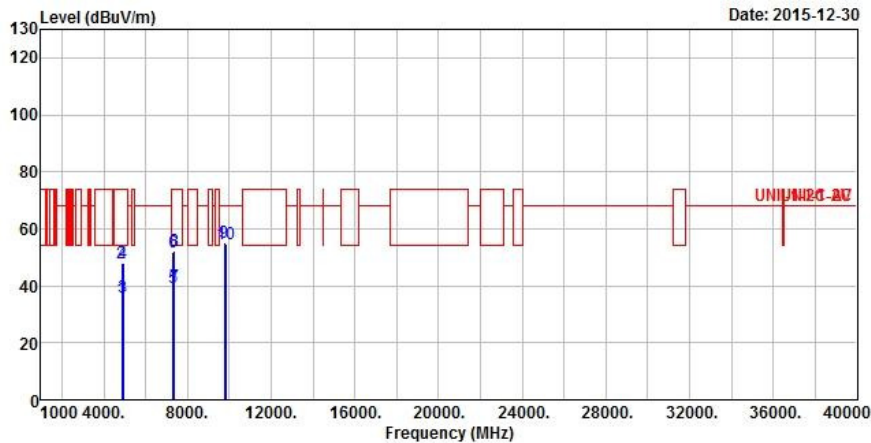


Transmitter Radiated Unwanted Emissions																																																																																																					
Operating Function	5GHz WiFi 1TX 11a (5200MHz) + BT2.1+EDR (2480MHz)																																																																																																				
Polarization	V																																																																																																				
<table border="1"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit Line</th> <th>ReadAntenna Level</th> <th>Cable Preamp</th> <th>Loss Factor</th> <th>Preamp</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV/m</th> <th>dBuV</th> <th>dB/m</th> <th>dB</th> <th>dB</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4960.00</td> <td>45.85</td> <td>-8.15</td> <td>54.00</td> <td>40.75</td> <td>33.47</td> <td>6.19</td> <td>34.56</td> <td>Average</td> </tr> <tr> <td>2</td> <td>4960.00</td> <td>51.29</td> <td>-22.71</td> <td>74.00</td> <td>46.19</td> <td>33.47</td> <td>6.19</td> <td>34.56</td> <td>Peak</td> </tr> <tr> <td>3</td> <td>7440.00</td> <td>40.05</td> <td>-13.95</td> <td>54.00</td> <td>30.83</td> <td>36.53</td> <td>7.64</td> <td>34.95</td> <td>Average</td> </tr> <tr> <td>4</td> <td>7440.00</td> <td>52.82</td> <td>-21.18</td> <td>74.00</td> <td>43.60</td> <td>36.53</td> <td>7.64</td> <td>34.95</td> <td>Peak</td> </tr> <tr> <td>5</td> <td>9920.00</td> <td>55.81</td> <td></td> <td></td> <td>44.48</td> <td>37.51</td> <td>9.13</td> <td>35.31</td> <td>Peak</td> </tr> <tr> <td>6</td> <td>10400.00</td> <td>55.50</td> <td></td> <td></td> <td>43.34</td> <td>37.74</td> <td>9.44</td> <td>35.02</td> <td>Peak</td> </tr> <tr> <td>7</td> <td>15600.00</td> <td>47.39</td> <td>-6.61</td> <td>54.00</td> <td>31.97</td> <td>38.84</td> <td>11.50</td> <td>34.92</td> <td>Average</td> </tr> <tr> <td>8</td> <td>15600.00</td> <td>59.69</td> <td>-14.31</td> <td>74.00</td> <td>44.27</td> <td>38.84</td> <td>11.50</td> <td>34.92</td> <td>Peak</td> </tr> </tbody> </table>			Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Preamp	Loss Factor	Preamp	Remark		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		1	4960.00	45.85	-8.15	54.00	40.75	33.47	6.19	34.56	Average	2	4960.00	51.29	-22.71	74.00	46.19	33.47	6.19	34.56	Peak	3	7440.00	40.05	-13.95	54.00	30.83	36.53	7.64	34.95	Average	4	7440.00	52.82	-21.18	74.00	43.60	36.53	7.64	34.95	Peak	5	9920.00	55.81			44.48	37.51	9.13	35.31	Peak	6	10400.00	55.50			43.34	37.74	9.44	35.02	Peak	7	15600.00	47.39	-6.61	54.00	31.97	38.84	11.50	34.92	Average	8	15600.00	59.69	-14.31	74.00	44.27	38.84	11.50	34.92	Peak
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Preamp	Loss Factor	Preamp	Remark																																																																																												
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB																																																																																													
1	4960.00	45.85	-8.15	54.00	40.75	33.47	6.19	34.56	Average																																																																																												
2	4960.00	51.29	-22.71	74.00	46.19	33.47	6.19	34.56	Peak																																																																																												
3	7440.00	40.05	-13.95	54.00	30.83	36.53	7.64	34.95	Average																																																																																												
4	7440.00	52.82	-21.18	74.00	43.60	36.53	7.64	34.95	Peak																																																																																												
5	9920.00	55.81			44.48	37.51	9.13	35.31	Peak																																																																																												
6	10400.00	55.50			43.34	37.74	9.44	35.02	Peak																																																																																												
7	15600.00	47.39	-6.61	54.00	31.97	38.84	11.50	34.92	Average																																																																																												
8	15600.00	59.69	-14.31	74.00	44.27	38.84	11.50	34.92	Peak																																																																																												
<p>Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.) Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical) Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition. Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.</p>																																																																																																					





Transmitter Radiated Unwanted Emissions	
Operating Function	2.4GHz WiFi 1TX 11g (2462MHz) + BT4.0 (2440MHz)
Polarization	V

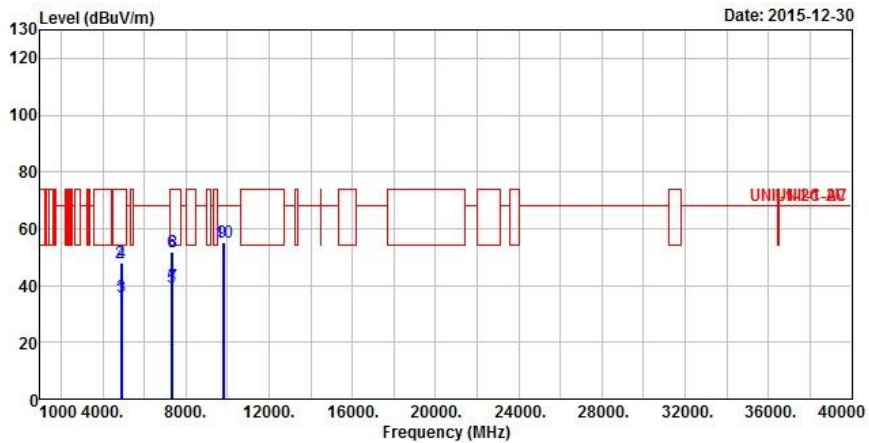


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4880.00	35.70	-18.30	54.00	30.77	33.38	6.13	34.58	Average
2	4880.00	47.78	-26.22	74.00	42.85	33.38	6.13	34.58	Peak
3	4924.00	35.87	-18.13	54.00	30.84	33.43	6.17	34.57	Average
4	4924.00	47.85	-26.15	74.00	42.82	33.43	6.17	34.57	Peak
5	7320.00	39.52	-14.48	54.00	30.47	36.36	7.60	34.91	Average
6	7320.00	51.68	-22.32	74.00	42.63	36.36	7.60	34.91	Peak
7	7386.00	39.94	-14.06	54.00	30.77	36.46	7.63	34.92	Average
8	7386.00	52.22	-21.78	74.00	43.05	36.46	7.63	34.92	Peak
9	9760.00	54.96			43.77	37.55	8.94	35.30	Peak
10	9848.00	54.83			43.58	37.53	9.03	35.31	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.



Transmitter Radiated Unwanted Emissions	
Operating Function	2.4GHz WiFi 1TX 11g (2462MHz) + BT4.0 (2440MHz)
Polarization	H



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	
1	4880.00	35.63	-18.37	54.00	30.70	33.38	6.13	Average
2	4880.00	47.89	-26.11	74.00	42.96	33.38	6.13	Peak
3	4924.00	35.89	-18.11	54.00	30.86	33.43	6.17	Average
4	4924.00	47.82	-26.18	74.00	42.79	33.43	6.17	Peak
5	7320.00	39.54	-14.46	54.00	30.49	36.36	7.60	Average
6	7320.00	51.87	-22.13	74.00	42.82	36.36	7.60	Peak
7	7386.00	39.85	-14.15	54.00	30.68	36.46	7.63	Average
8	7386.00	51.84	-22.16	74.00	42.67	36.46	7.63	Peak
9	9760.00	55.12			43.93	37.55	8.94	Peak
10	9848.00	55.18			43.93	37.53	9.03	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.

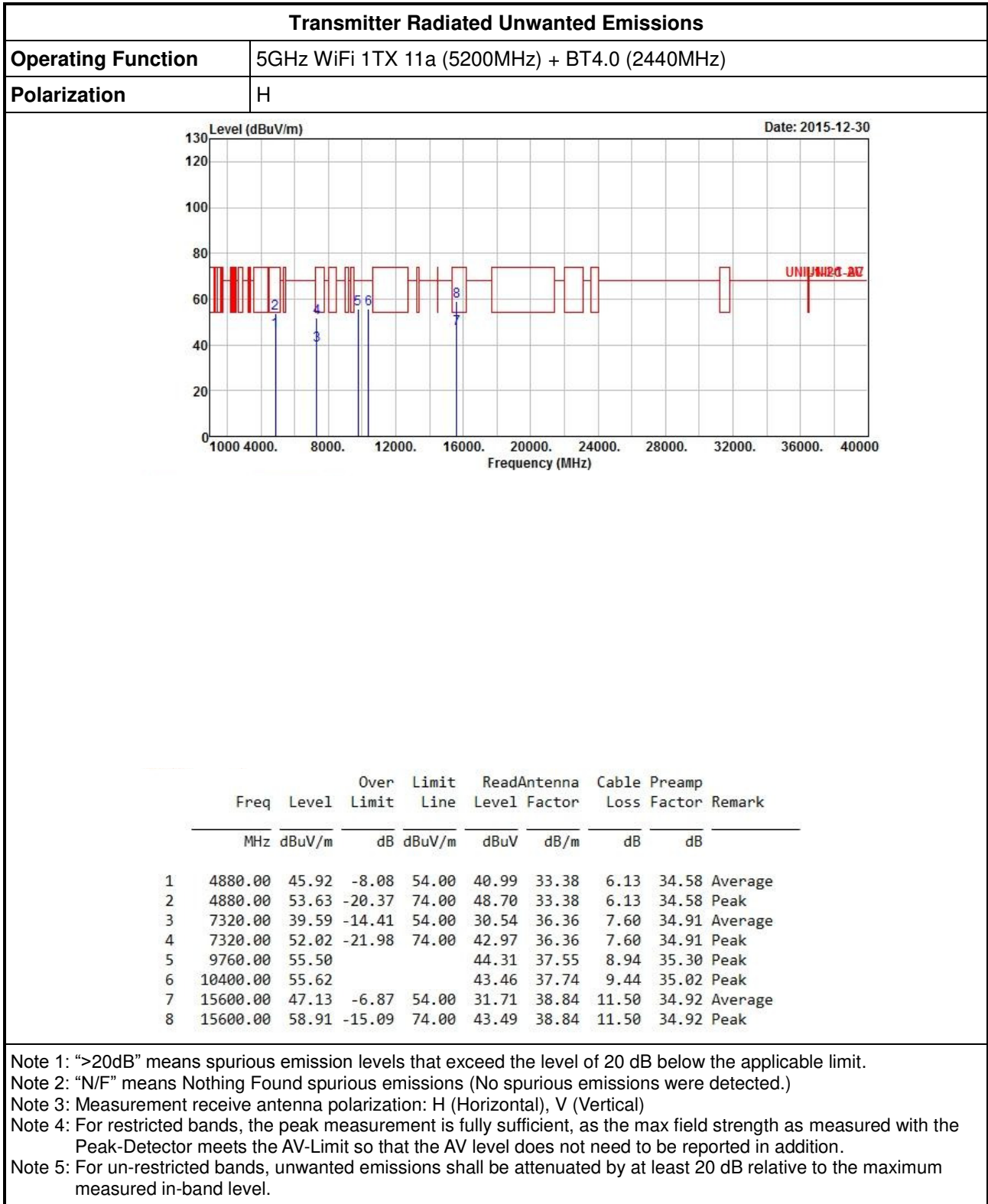


Transmitter Radiated Unwanted Emissions	
Operating Function	5GHz WiFi 1TX 11a (5200MHz) + BT4.0 (2440MHz)
Polarization	V

Date: 2015-12-30

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1	4880.00	41.10	-12.90	54.00	36.17	33.38	6.13	34.58	Average
2	4880.00	49.87	-24.13	74.00	44.94	33.38	6.13	34.58	Peak
3	7320.00	39.54	-14.46	54.00	30.49	36.36	7.60	34.91	Average
4	7320.00	51.78	-22.22	74.00	42.73	36.36	7.60	34.91	Peak
5	9760.00	54.74			43.55	37.55	8.94	35.30	Peak
6	10400.00	56.18			44.02	37.74	9.44	35.02	Peak
7	15600.00	47.00	-7.00	54.00	31.58	38.84	11.50	34.92	Average
8	15600.00	59.72	-14.28	74.00	44.30	38.84	11.50	34.92	Peak

Note 1: ">20dB" means spurious emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found spurious emissions (No spurious emissions were detected.)
 Note 3: Measurement receive antenna polarization: H (Horizontal), V (Vertical)
 Note 4: For restricted bands, the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
 Note 5: For un-restricted bands, unwanted emissions shall be attenuated by at least 20 dB relative to the maximum measured in-band level.





2 TEST EQUIPMENT AND CALIBRATION DATA

< Radiated Emission >

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Last Cal.	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz 3m	Jul. 01, 2015	Jun. 30, 2016
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz 3m	Jul. 01, 2015	Jun. 30, 2016
Amplifier	EMC	EMC9135	980232	9kHz ~ 1.0GHz	Jan. 27, 2015	Jan. 26, 2016
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	Apr. 09, 2015	Apr. 08, 2016
Spectrum	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	Jul. 15, 2015	Jul. 14, 2016
Bilog Antenna	TESEQ	CBL 6112D	35418	30MHz ~ 1GHz	Mar. 30, 2015	Mar. 29, 2016
Horn Antenna	AARONIA AG	POWERLOG 70180	05192	1GHz ~ 18GHz	Jan. 05, 2015	Jan. 04, 2016
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz ~ 40GHz	Jan. 27, 2015	Jan. 26, 2016
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	Jul. 23, 2015	Jul. 22, 2016
RF Cable-high	Jye Bao	RG142	03CH09-HY	1GHz ~ 40GHz	Jul. 23, 2015	Jul. 22, 2016