

# **Annex A.6. Conducted Spurious Emission**

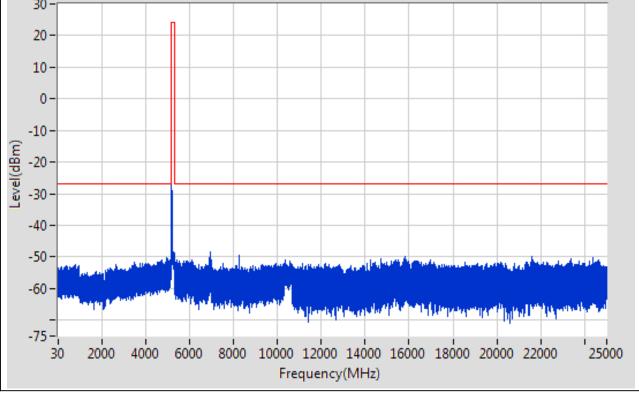
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### 1. 802.11a\_20M\_Band1\_L

#### 1.1. A.6-Conducted Spurious Emission(NTNV)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	840.784	-52.28	-27	Pass	9700
1000	5150	0.1	Peak	5148.9	-49.82	-27	Pass	41499
5150	5350	0.1	Peak	5181.216	1.24	24	Pass	2000
5350	10300	0.1	Peak	6951.85	-48.4	-27	Pass	49499
10300	10700	0.1	Peak	10358.715	-50.97	-27	Pass	4000
10700	25000	0.1	Peak	15843.661	-49.7	-27	Pass	142999
30 -								



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### 2. 802.11a\_20M\_Band1\_M

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	837.383	-51.28	-27	Pass	9700
1000	5150	0.1	Peak	5024.874	-49.68	-27	Pass	41499
5150	5350	0.1	Peak	5218.734	1.41	24	Pass	2000
5350	10300	0.1	Peak	6971.351	-49.7	-27	Pass	49499
10300	10700	0.1	Peak	10508.352	-51.7	-27	Pass	4000
10700	25000	0.1	Peak	19038.361	-50.38	-27	Pass	142999
20- 10- 0- -10- (\text{Wgp}) -20- -40- -50- -60- -75- 30 2	000 4000 60	00 8000		2000 14000 16 iency(MHz)	5000 1800	0 20000	22000	25000



### 3. 802.11a\_20M\_Band1\_H

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	895.389	-50.84	-27	Pass	9700
1000	5150	0.1	Peak	5126.395	-50.68	-27	Pass	41499
5150	5350	0.1	Peak	5238.744	1.57	24	Pass	2000
5350	10300	0.1	Peak	6937.65	-49.8	-27	Pass	49499
10300	10700	0.1	Peak	10663.691	-51.93	-27	Pass	4000
10700	25000	0.1	Peak	16409.078	-50.37	-27	Pass	142999
20- 10- 0- -10- (mgp) -20- -40- -50- -60- -75- 30 2	000 4000 60	00 8000			5000 1800	0 20000	22000	25000



# 4. 802.11n\_20M\_Band1\_L

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	632.562	-52.15	-27	Pass	9700
1000	5150	0.1	Peak	5148.9	-48.01	-27	Pass	41499
5150	5350	0.1	Peak	5181.216	0.95	24	Pass	2000
5350	10300	0.1	Peak	6908.349	-49.33	-27	Pass	49499
10300	10700	0.1	Peak	10435.634	-51.18	-27	Pass	4000
10700	25000	0.1	Peak	21865.149	-49.71	-27	Pass	142999
20 - 10 - 0 - -10 - (\text{Wgp}) -30 - -40 - -50 - -60 - -75 - 30 2	000 4000 60	00 8000		2000 14000 16 iency(MHz)	5000 1800	0 20000	22000	25000



### 5. 802.11n\_20M\_Band1\_M

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	785.878	-52.6	-27	Pass	9700
1000	5150	0.1	Peak	4732.212	-49.7	-27	Pass	41499
5150	5350	0.1	Peak	5218.634	0.38	24	Pass	2000
5350	10300	0.1	Peak	6965.65	-49.21	-27	Pass	49499
10300	10700	0.1	Peak	10614.279	-51.32	-27	Pass	4000
10700	25000	0.1	Peak	20133.795	-49.55	-27	Pass	142999
20 - 10 - 0 - -10 - (mgp) -20 - -40 - -50 - -60 - -75 - 30 2	000 4000 60	00 8000		2000 14000 16 ency(MHz)	5000 1800	0 20000	22000	25000



### 6. 802.11n\_20M\_Band1\_H

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	939.494	-52.11	-27	Pass	9700
1000	5150	0.1	Peak	5043.478	-50.39	-27	Pass	41499
5150	5350	0.1	Peak	5238.744	0.36	24	Pass	2000
5350	10300	0.1	Peak	6917.249	-49.47	-27	Pass	49499
10300	10700	0.1	Peak	10310.403	-50.57	-27	Pass	4000
10700	25000	0.1	Peak	15879.762	-49.63	-27	Pass	142999
20- 10- 0- -10- (mgp) -20- -40- -50- -60- -75- 30 2	000 4000 60	00 8000		2000 14000 16 iency(MHz)	5000 1800	00 20000	22000	25000



# 7. 802.11n\_40M\_Band1\_L

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	915.491	-51.83	-27	Pass	9700
1000	5150	0.1	Peak	5147.499	-40.24	-27	Pass	41499
5150	5350	0.1	Peak	5194.922	-2.45	24	Pass	2000
5350	10300	0.1	Peak	6127.624	-49.54	-27	Pass	49499
10300	10700	0.1	Peak	10599.375	-51.64	-27	Pass	4000
10700	25000	0.1	Peak	15848.061	-50.11	-27	Pass	142999
20 - 10 - 0 - -10 - (\text{Wgp}) -30 - -40 - -50 - -60 - -75 - 30 20	000 4000 60	00 8000	10000 12	2000 14000 16 iency(MHz)	5000 1800	0 20000	22000	25000



# 8. 802.11n\_40M\_Band1\_H

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	908.591	-52.01	-27	Pass	9700
1000	5150	0.1	Peak	5084.486	-50.59	-27	Pass	41499
5150	5350	0.1	Peak	5234.942	-2.22	24	Pass	2000
5350	10300	0.1	Peak	6115.424	-49.95	-27	Pass	49499
10300	10700	0.1	Peak	10336.609	-50.76	-27	Pass	4000
10700	25000	0.1	Peak	15796.659	-50.06	-27	Pass	142999
20 - 10 - 0 - -10 - (\text{Wgp}) -30 - -40 - -50 - -60 - -75 - 30 2	000 4000 60	00 8000		2000 14000 16 iency(MHz)	5000 1800	00 20000	22000	25000



### 9. 802.11a\_20M\_Band4\_L

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	908.391	-52.05	-27	Pass	9700
1000	5650	1	Peak	5454.958	-39.93	-27	Pass	4650
5650	5700	1	Peak	5650	-39.01	-27	Pass	691
5700	5720	1	Peak	5717.855	-22.23	15	Pass	691
5720	5725	1	Peak	5720.196	-19.77	16.05	Pass	691
5725	5850	1	Peak	5743.841	11.57	30	Pass	691
5850	5855	1	Peak	5854.913	-38.93	15.8	Pass	691
5855	5875	1	Peak	5875	-39.08	10	Pass	691
5875	5925	1	Peak	5924.928	-40.22	-26.95	Pass	691
5925	25000	1	Peak	6929.053	-39.08	-27	Pass	19075
20 - 10 - 0 - (Egp) -10 - -30 - -40 - -50 - -65 - 30 2	000 4000 60	00 8000		2000 14000 1 ency(MHz)	6000 1800	0 20000	22000	25000



# 10. 802.11a\_20M\_Band4\_M

#### 10.1. A.6-Conducted Spurious Emission(NTNV)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	616.06	-51.9	-27	Pass	9700
1000	5650	1	Peak	4716.799	-39.67	-27	Pass	4650
5650	5700	1	Peak	5650	-39.89	-27	Pass	691
5700	5720	1	Peak	5704.493	-37.36	11.26	Pass	691
5720	5725	1	Peak	5720	-37.74	15.6	Pass	691
5725	5850	1	Peak	5786.051	10.8	30	Pass	691
5850	5855	1	Peak	5854.674	-37.9	16.34	Pass	691
5855	5875	1	Peak	5872.942	-38.35	10.58	Pass	691
5875	5925	1	Peak	5924.42	-39.17	-26.57	Pass	691
5925	25000	1	Peak	15820.519	-39.29	-27	Pass	19075
20 - 10 - 0 -								

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# 11. 802.11a\_20M\_Band4\_H

#### 11.1. A.6-Conducted Spurious Emission(NTNV)

6000

1000 5650 1 Peak 5374.941 -38.41 -27 Pass 466 5650 5700 1 Peak 5650.072 -40.08 -26.95 Pass 66 5700 5720 1 Peak 5704.493 -38.3 11.26 Pass 66 5720 5725 1 Peak 5720.051 -39.13 15.72 Pass 66 5725 5850 1 Peak 5826.268 10.13 30 Pass 66 5850 5855 1 Peak 5854.152 -26.71 17.53 Pass 66 5855 5875 1 Peak 5855.754 -31.19 15.39 Pass 66 5875 5925 1 Peak 5924.565 -39.82 -26.68 Pass 66 5925 25000 1 Peak 16347.546 -38.62 -27 Pass 190	Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)		Verdict	Sweep Point
5650         5700         1         Peak         5650.072         -40.08         -26.95         Pass         6           5700         5720         1         Peak         5704.493         -38.3         11.26         Pass         6           5720         5725         1         Peak         5720.051         -39.13         15.72         Pass         6           5725         5850         1         Peak         5826.268         10.13         30         Pass         6           5850         5855         1         Peak         5854.152         -26.71         17.53         Pass         6           5855         5875         1         Peak         5855.754         -31.19         15.39         Pass         6           5875         5925         1         Peak         5924.565         -39.82         -26.68         Pass         6           5925         25000         1         Peak         16347.546         -38.62         -27         Pass         190           35-         -20-	30	1000	0.1	Peak	980.79	3 -51.6	5 -27	Pass	970
5700         5720         1         Peak         5704.493         -38.3         11.26         Pass         6           5720         5725         1         Peak         5720.051         -39.13         15.72         Pass         6           5725         5850         1         Peak         5826.268         10.13         30         Pass         6           5850         5855         1         Peak         5854.152         -26.71         17.53         Pass         6           5855         5875         1         Peak         5855.754         -31.19         15.39         Pass         6           5875         5925         1         Peak         5924.565         -39.82         -26.68         Pass         6           5925         25000         1         Peak         16347.546         -38.62         -27         Pass         190	1000	5650	1	Peak	5374.94	-38.4	1 -27	Pass	465
5720         5725         1         Peak         5720.051         -39.13         15.72         Pass         6           5725         5850         1         Peak         5826.268         10.13         30         Pass         6           5850         5855         1         Peak         5854.152         -26.71         17.53         Pass         6           5855         5875         1         Peak         5855.754         -31.19         15.39         Pass         6           5875         5925         1         Peak         5924.565         -39.82         -26.68         Pass         6           5925         25000         1         Peak         16347.546         -38.62         -27         Pass         190           35	5650	5700	1	Peak	5650.07	-40.0	8 -26.95	Pass	69
5725         5850         1         Peak         5826.268         10.13         30         Pass         6           5850         5855         1         Peak         5854.152         -26.71         17.53         Pass         6           5855         5875         1         Peak         5855.754         -31.19         15.39         Pass         6           5875         5925         1         Peak         5924.565         -39.82         -26.68         Pass         6           5925         25000         1         Peak         16347.546         -38.62         -27         Pass         190           35	5700	5720	1	Peak	5704.49	-38.	3 11.26	Pass	69
5850         5855         1         Peak         5854.152         -26.71         17.53         Pass         6           5855         5875         1         Peak         5855.754         -31.19         15.39         Pass         6           5875         5925         1         Peak         5924.565         -39.82         -26.68         Pass         6           5925         25000         1         Peak         16347.546         -38.62         -27         Pass         190           35-         20-         10-	5720	5725	1	Peak	5720.05	-39.1	3 15.72	Pass	69
5855 5875 1 Peak 5855.754 -31.19 15.39 Pass 6 5875 5925 1 Peak 5924.565 -39.82 -26.68 Pass 6 5925 25000 1 Peak 16347.546 -38.62 -27 Pass 190	5725	5850	1	Peak	5826.26	10.1	3 30	Pass	69
5875 5925 1 Peak 5924.565 -39.82 -26.68 Pass 6 5925 25000 1 Peak 16347.546 -38.62 -27 Pass 190	5850	5855	1	Peak	5854.15	-26.7	1 17.53	Pass	69
5925 25000 1 Peak 16347.546 -38.62 -27 Pass 190	5855	5875	1	Peak	5855.75	-31.1	9 15.39	Pass	69
35 - 20 - 10 - 0 - 0 - 20 - 20 - 20 - 20 - 20 -	5875	5925	1	Peak	5924.56	-39.8	2 -26.68	Pass	69
20 - 10 - 0 - 0 - 20 - 20 -	5925	25000	1	Peak	16347.54	-38.6	2 -27	Pass	1907
-30-	20 - 10 - 0 -								

8000 10000 12000 14000 16000 18000 20000 22000

Frequency(MHz)

2000

4000

-65

25000



# 12. 802.11n\_20M\_Band4\_L

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequenc (MHz)	у	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	664.36	35	-52.46	-27	Pass	9700
1000	5650	1	Peak	5416.9	95	-40.13	-27	Pass	4650
5650	5700	1	Peak	5650.07	72	-38.71	-26.95	Pass	691
5700	5720	1	Peak	5719.88	34	-21.34	15.57	Pass	691
5720	5725	1	Peak	5722.28	33	-13.97	20.8	Pass	691
5725	5850	1	Peak	5746.01	14	11.06	30	Pass	691
5850	5855	1	Peak	5854.86	52	-38.65	15.91	Pass	691
5855	5875	1	Peak	5874.85	55	-38.72	10.04	Pass	691
5875	5925	1	Peak	5924.27	75	-39.46	-26.46	Pass	691
5925	25000	1	Peak	5998.00	)4	-39.31	-27	Pass	19075
20 - 10 - 0 - (EAB) -10 - -30 - -40 - -50 - -65 - 30 2	000 4000 60	00 8000		2000 14000 ency(MHz)	160	000 1800	0 20000	22000	25000



### 13. 802.11n\_20M\_Band4\_M

#### 13.1. A.6-Conducted Spurious Emission(NTNV)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	434.942	-52.52	-27	Pass	970
1000	5650	1	Peak	4102.667	-39.65	-27	Pass	465
5650	5700	1	Peak	5650.725	-39.09	-26.46	Pass	69
5700	5720	1	Peak	5701.362	-38.05	10.38	Pass	69
5720	5725	1	Peak	5720.065	-37.61	15.75	Pass	69
5725	5850	1	Peak	5781.884	11.14	30	Pass	69
5850	5855	1	Peak	5854.949	-37.89	15.72	Pass	69
5855	5875	1	Peak	5873.696	-38.4	10.37	Pass	69
5875	5925	1	Peak	5924.42	-39.36	-26.57	Pass	69
5925	25000	1	Peak	6966.055	-38.7	-27	Pass	1907
35 - 20 - 10 - 0 - -10 - -20 - -30 -								
-40 -		-	والملا المعد من أنسان			a constitution is	ng, Paleston, and the	Y 1 T

6000 8000 10000 12000 14000 16000 18000 20000 22000

Frequency(MHz)

2000

4000

-65 -

25000



# 14. 802.11n\_20M\_Band4\_H

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	913.691	-52.1	-27	Pass	9700
1000	5650	1	Peak	5361.938	-38.64	-27	Pass	4650
5650	5700	1	Peak	5650.145	-40.91	-26.89	Pass	691
5700	5720	1	Peak	5704.29	-38	11.2	Pass	691
5720	5725	1	Peak	5720.007	-38.29	15.62	Pass	691
5725	5850	1	Peak	5823.37	10.79	30	Pass	691
5850	5855	1	Peak	5854.275	-26.26	17.25	Pass	691
5855	5875	1	Peak	5857.29	-29.95	14.96	Pass	691
5875	5925	1	Peak	5925	-40.12	-27	Pass	691
5925	25000	1	Peak	6142.011	-38.75	-27	Pass	19075
20 - 10 - 0 - (\( \begin{align*} (\text{PB}) \\ \text{P} \\ \text{-10} \\ \text{-20} \\ \text{-30} \\ \text{-50} \\ \text{-65} \\ \text{-65} \\ \text{-30} \\ -30	000 4000 60	00 8000		2000 14000 1	6000 1800	0 20000	22000	25000



### 15. 802.11n\_40M\_Band4\_L

30	(MHz)	(MHz)	Detector	Frequency (MHz)		Power (dBm)	Limit (dBm)	Verdict	Sweep Point
	1000	0.1	Peak	779.	.677	-52.17	-27	Pass	9700
1000	5650	1	Peak	5154.	.894	-38.99	-27	Pass	4650
5650	5700	1	Peak	5650.	.072	-39.56	-26.95	Pass	691
5700	5720	1	Peak	5718.	.145	-12.98	15.08	Pass	691
5720	5725	1	Peak	5720.	.319	-13.6	16.33	Pass	691
5725	5850	1	Peak	5761.	.232	8.77	30	Pass	691
5850	5855	1	Peak	5854	4.92	-38.56	15.78	Pass	691
5855	5875	1	Peak	5874.	.536	-38.23	10.13	Pass	691
5875	5925	1	Peak	5924	4.42	-39.41	-26.57	Pass	691
5925	25000	1	Peak	6959.	.054	-38.99	-27	Pass	19075
20 - 10 - 0 - (mg/dB) -20 - -30 - -40 - -50 - -65 - 30 20	000 4000 60	00 8000	10000 12	2000 1400	00 16	000 1800	0 20000	22000	25000



### 16. 802.11n\_40M\_Band4\_H

#### 16.1. A.6-Conducted Spurious Emission(NTNV)

Start Frequency (MHz)	Stop Frequency (MHz)	RBW (MHz)	Detector	Frequency (MHz)	Power (dBm)	Limit (dBm)	Verdict	Sweep Point
30	1000	0.1	Peak	799.779	-51.9	-27	Pass	970
1000	5650	1	Peak	5396.946	-40.29	-27	Pass	465
5650	5700	1	Peak	5650.29	-40.41	-26.79	Pass	69
5700	5720	1	Peak	5700.232	-37.09	10.06	Pass	69
5720	5725	1	Peak	5720.065	-31.97	15.75	Pass	69
5725	5850	1	Peak	5797.101	7.92	30	Pass	69
5850	5855	1	Peak	5854.514	-30.55	16.71	Pass	69
5855	5875	1	Peak	5866.884	-33.01	12.27	Pass	69
5875	5925	1	Peak	5924.565	-39.63	-26.68	Pass	69
5925	25000	1	Peak	15817.519	-39.15	-27	Pass	1907
20 - 10 - 0 - 0 - -10 -								
-40 -	Land to the state of the state	يدول والمالية	المراض والمراض	-		برينا أستواصو	وه و دالوا العلم	t de la

8000 10000 12000 14000 16000 18000 20000 22000

Frequency(MHz)

2000

4000

6000

-65

25000



**END** 

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