

Radiated Spurious Emission

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

Because the Margin is relatively large, only one worst point is recorded in the report.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X, Y axis). Receiver antenna polarization (Horizontal and Vertical), the worst emission was found in position and the worst case and worst Antenna was recorded.

NR SA	X axis, Horizontal polarization
EN-DC	Y axis, Vertical polarization

NR n5 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
10MHz	2	1664.26	-65.72	1.70	8.70	Horizontal	-60.87	-13.00	47.87	175
	3	2496.20	-52.94	2.30	12.00	Horizontal	-45.39	-13.00	32.39	107
	4	3337.50	--	--	--	--	--	--	--	--
	5	4171.88	--	--	--	--	--	--	--	--
	6	5006.25	--	--	--	--	--	--	--	--
	7	5840.63	--	--	--	--	--	--	--	--
	8	6675.00	--	--	--	--	--	--	--	--
	9	7509.38	--	--	--	--	--	--	--	--
	10	8343.75	-51.90	4.30	12.50	Horizontal	-45.85	-13.00	32.85	174

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

NR n7 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
20MHz	2	5050.00	--	--	--	--	--	--	--	--
	3	7575.00	--	--	--	--	--	--	--	--
	4	10100.00	-51.58	4.70	11.30	Horizontal	-44.98	-25.00	19.98	125
	5	12625.00	--	--	--	--	--	--	--	--
	6	15150.00	--	--	--	--	--	--	--	--
	7	17675.00	--	--	--	--	--	--	--	--
	8	20200.00	--	--	--	--	--	--	--	--
	9	22725.00	--	--	--	--	--	--	--	--
	10	25250.00	--	--	--	--	--	--	--	--

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

NR n41 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
40MHz	2	5146.00	--	--	--	--	--	--	--	--
	3	7663.00	-50.21	4.40	12.30	Horizontal	-42.31	-25.00	17.31	98
	4	10291.98	--	--	--	--	--	--	--	--
	5	12864.99	--	--	--	--	--	--	--	--
	6	15437.97	--	--	--	--	--	--	--	--
	7	18010.97	--	--	--	--	--	--	--	--
	8	20583.96	--	--	--	--	--	--	--	--
	9	23156.96	--	--	--	--	--	--	--	--
	10	25729.95	--	--	--	--	--	--	--	--

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.
2. The worst emission was found in the antenna is Horizontal position.

NR n66 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
5MHz	2	3485.00	-66.71	2.70	12.70	Horizontal	-56.71	-13.00	43.71	36
	3	5227.50	--	--	--	--	--	--	--	--
	4	6970.00	--	--	--	--	--	--	--	--
	5	8712.50	-56.91	4.40	12.50	Horizontal	-48.81	-13.00	35.81	236
	6	10455.00	--	--	--	--	--	--	--	--
	7	12197.50	--	--	--	--	--	--	--	--
	8	13940.00	--	--	--	--	--	--	--	--
	9	15682.50	--	--	--	--	--	--	--	--
	10	17425.00	--	--	--	--	--	--	--	--

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.
2. The worst emission was found in the antenna is Horizontal position.

NR n78 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
20MHz	2	6980.00	--	--	--	--	--	--	--	--
	3	10470.00	-45.30	5.1	13.00	Horizontal	-37.40	-13.00	24.40	315
	4	13960.00	--	--	--	--	--	--	--	--
	5	17450.00	--	--	--	--	--	--	--	--
	6	20940.00	--	--	--	--	--	--	--	--
	7	24430.00	--	--	--	--	--	--	--	--
	8	27920.00	--	--	--	--	--	--	--	--
	9	31410.00	--	--	--	--	--	--	--	--
	10	34900.00	--	--	--	--	--	--	--	--

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

DC_2A-n5A CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
20MHz	2	1653.00	-66.93	1.70	8.70	Vertical	-62.08	-13.00	49.08	175
	3	2343.70	-47.89	2.30	12.00	Vertical	-40.34	-13.00	27.34	107
	4	3306.00	--	--	--	--	--	--	--	--
	5	4132.50	--	--	--	--	--	--	--	--
	6	4959.00	--	--	--	--	--	--	--	--
	7	5785.50	--	--	--	--	--	--	--	--
	8	6612.00	--	--	--	--	--	--	--	--
	9	7438.50	--	--	--	--	--	--	--	--
	10	8265.00	-50.90	4.30	12.50	Vertical	-44.85	-13.00	31.85	96

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.

DC_2A-n7A CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
20MHz	2	5048.00	-60.55	3.40	12.50	Vertical	-51.45	-25.00	26.45	143
	3	7575.00	--	--	--	--	--	--	--	--
	4	10100.00	--	--	--	--	--	--	--	--
	5	12625.00	--	--	--	--	--	--	--	--
	6	15150.00	--	--	--	--	--	--	--	--
	7	17675.00	--	--	--	--	--	--	--	--
	8	20200.00	--	--	--	--	--	--	--	--
	9	22725.00	--	--	--	--	--	--	--	--
	10	25250.00	--	--	--	--	--	--	--	--

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.

DC_4A-n41A CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
100MHz	2	5086.00	--	--	--	--	--	--	--	--
	3	7629.00	--	--	--	--	--	--	--	--
	4	10172.00	--	--	--	--	--	--	--	--
	5	12715.00	-52.41	5.40	14.00	Vertical	-43.81	-25.00	18.81	55
	6	15258.00	--	--	--	--	--	--	--	--
	7	17801.00	--	--	--	--	--	--	--	--
	8	20344.00	--	--	--	--	--	--	--	--
	9	22887.00	--	--	--	--	--	--	--	--
	10	25430.00	--	--	--	--	--	--	--	--

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.

DC_2A-n66A CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
40MHz	2	3450.00	--	--	--	--	--	--	--	--
	3	5175.00	--	--	--	--	--	--	--	--
	4	6900.00	--	--	--	--	--	--	--	--
	5	8625.00	--	--	--	--	--	--	--	--
	6	10350.00	--	--	--	--	--	--	--	--
	7	12075.00	--	--	--	--	--	--	--	--
	8	13800.00	--	--	--	--	--	--	--	--
	9	15525.00	--	--	--	--	--	--	--	--
	10	17250.00	-59.12	6.10	14.20	Vertical	-51.02	-13.00	38.02	34

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.

DC_2A-n78A CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
100MHz	2	7000.00	--	--	--	--	--	--	--	--
	3	10500.00	--	--	--	--	--	--	--	--
	4	14000.00	-51.32	5.8	12.80	Vertical	-44.32	-13.00	31.32	-44.32
	5	17500.00	--	--	--	--	--	--	--	--
	6	21000.00	--	--	--	--	--	--	--	--
	7	24500.00	--	--	--	--	--	--	--	--
	8	28000.00	--	--	--	--	--	--	--	--
	9	31500.00	--	--	--	--	--	--	--	--
	10	35000.00	--	--	--	--	--	--	--	--

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.