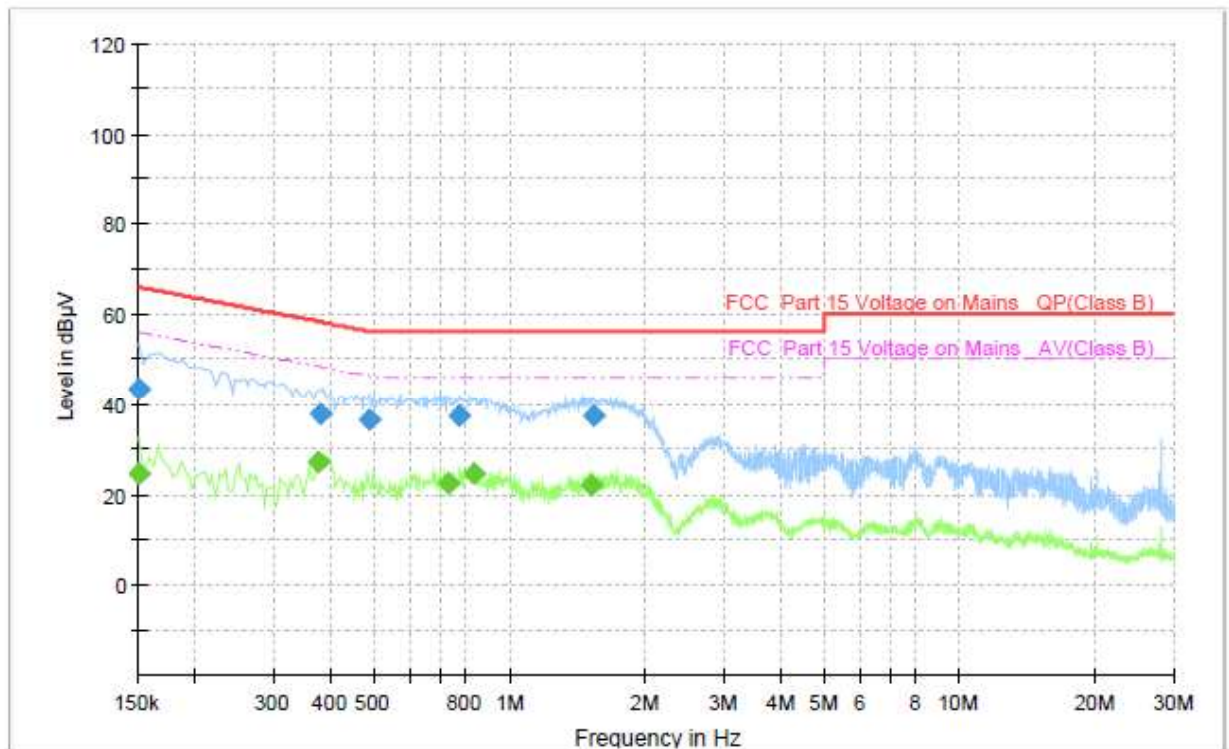


Figure 11: Spectral Diagrams, Conducted Emission, 150kHz - 30MHz, L, Light ON + Wireless Module Operating + Charging mode

### Full Spectrum

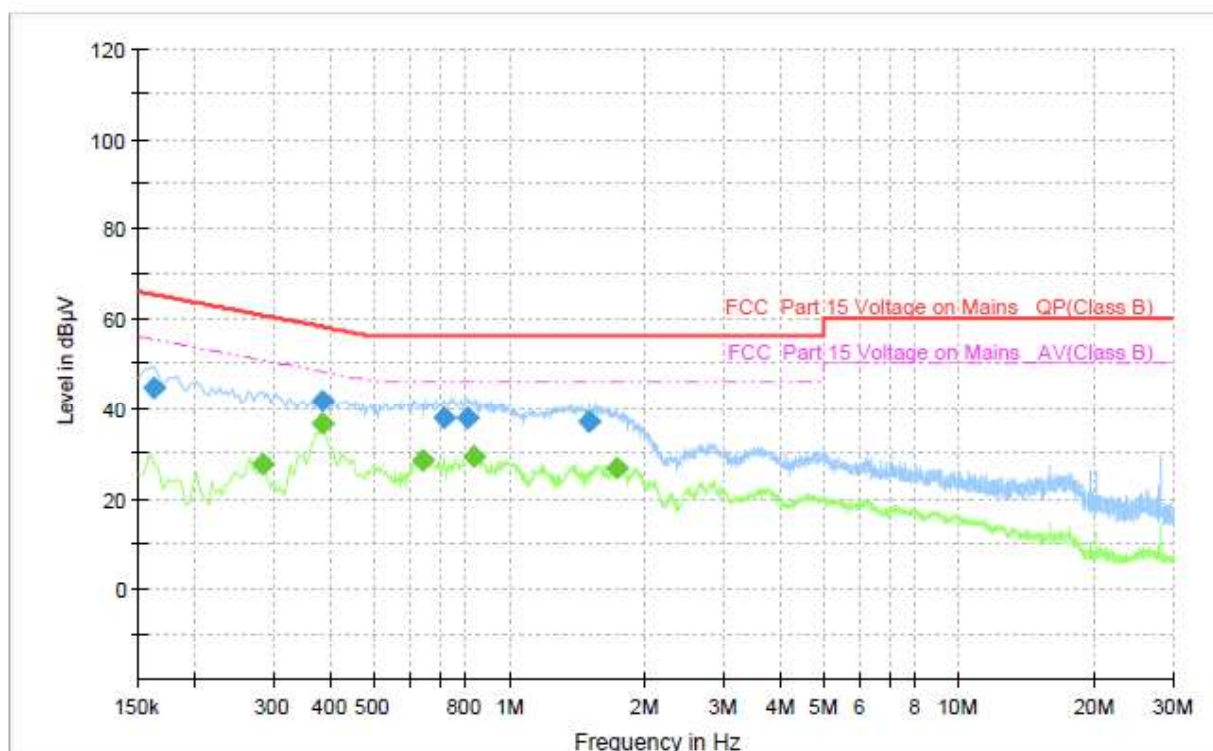


### Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.150000	---	24.49	56.00	31.51	1000.0	9.000	L1	ON	9.8
0.150000	43.57	---	66.00	22.43	1000.0	9.000	L1	ON	9.8
0.374000	---	26.91	48.41	21.51	1000.0	9.000	L1	ON	9.9
0.378000	37.93	---	58.32	20.39	1000.0	9.000	L1	ON	9.9
0.486000	36.69	---	56.24	19.55	1000.0	9.000	L1	ON	9.9
0.730000	---	22.50	46.00	23.50	1000.0	9.000	L1	ON	9.9
0.774000	37.58	---	56.00	18.42	1000.0	9.000	L1	ON	9.9
0.838000	---	24.46	46.00	21.54	1000.0	9.000	L1	ON	9.9
1.518000	---	22.03	46.00	23.97	1000.0	9.000	L1	ON	10.0
1.542000	37.22	---	56.00	18.78	1000.0	9.000	L1	ON	10.0

Figure 12: Spectral Diagrams, Conducted Emission, 150kHz - 30MHz, N, Light ON + Wireless Module Operating + Charging mode

### Full Spectrum



### Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.162000	44.83	---	65.36	20.54	1000.0	9.000	N	ON	9.8
0.282000	---	27.58	50.76	23.17	1000.0	9.000	N	ON	9.9
0.382000	---	36.69	48.24	11.54	1000.0	9.000	N	ON	9.9
0.382000	41.66	---	58.24	16.58	1000.0	9.000	N	ON	9.9
0.638000	---	28.39	46.00	17.61	1000.0	9.000	N	ON	10.0
0.714000	37.80	---	56.00	18.20	1000.0	9.000	N	ON	10.0
0.810000	37.69	---	56.00	18.31	1000.0	9.000	N	ON	10.0
0.838000	---	29.29	46.00	16.71	1000.0	9.000	N	ON	10.0
1.502000	36.82	---	56.00	19.18	1000.0	9.000	N	ON	10.0
1.742000	---	26.81	46.00	19.19	1000.0	9.000	N	ON	10.1

### 4.1.12 Radiated Emission

**Result:**

**Pass**

Test Specification

Test standard

: FCC Part 15.209  
RSS-Gen Issue 5 March 2019  
FCC Part 15, Subpart B:2018  
ICES-003:2016 Class B

Basic standard

: ANSI C63.10: 2013, ANSI C63.4:2014 and CISPR  
16-1 series standards

Limits

: Refer to 15.209(a) ; RSS Gen Issue 5 March 2019 ;  
FCC Part 15, Subpart B:2018; ICES-003:2016 Class  
B

Kind of test site

: 3m Semi-anechoic Chamber

#### Test Setup

Date of testing

: 13.12.2019~19.12.2019

Input voltage

: DC 3.7V

Operational mode

: Light On, Test mode of BLE, LoRa DTS, LoRa  
FHSS, FSK FHSS(Test mode: Receiver or  
Transmitter continuously operating, and the worst  
case recorded)

Test channel

: Lo, Mi, Hi

Temperature

: 20-22°C

Relative humidity

: 54-57%

Atmospheric pressure

: 101 kPa

#### Remark:

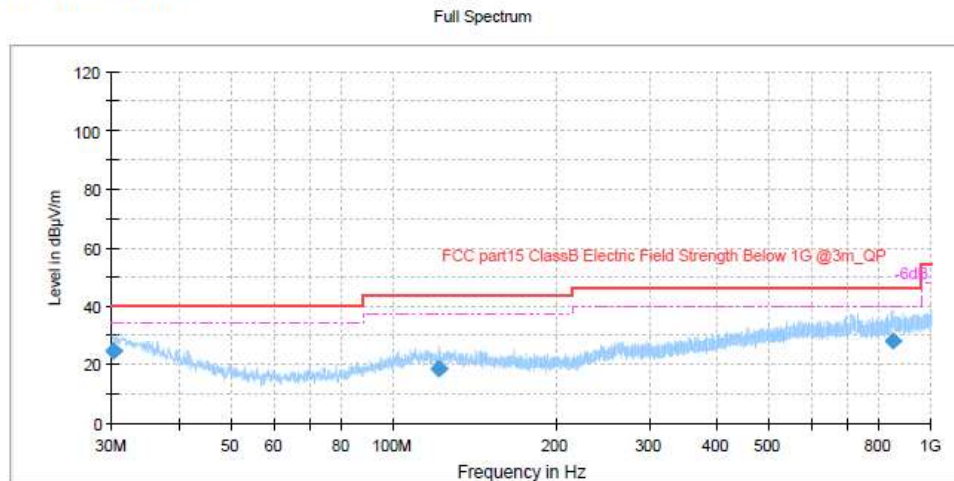
Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case emissions configuration of the each mode were reported.

The measurement result is calculated based on the following formula by the test software:

Emission Level = Reading level + Correction (Antenna factor + Cable loss – Pre-amplifier)

Figure 13: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Horizontal, for Light On mode

Full Spectrum

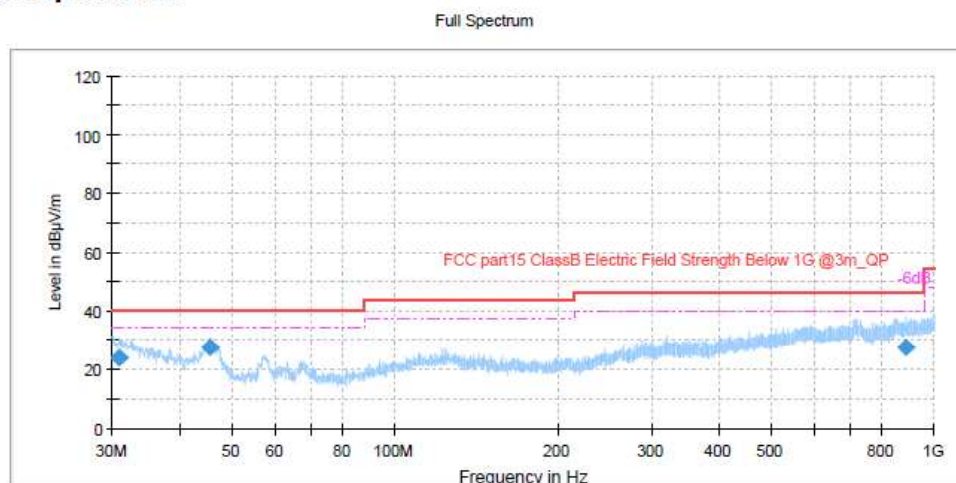


Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.292778	24.46	40.00	15.54	1000.0	120.000	141.0	H	286.0	25.1
121.857222	18.59	43.50	24.91	1000.0	120.000	107.0	H	9.0	19.3
845.428333	28.11	46.00	17.89	1000.0	120.000	123.0	H	137.0	29.4

Figure 14: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Vertical, for Light ON mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.831667	24.31	40.00	15.69	1000.0	120.000	117.0	V	107.0	24.9
45.501667	27.84	40.00	12.16	1000.0	120.000	108.0	V	218.0	16.8
885.678333	27.58	46.00	18.42	1000.0	120.000	135.0	V	162.0	29.7

**Table 9: BLE Test mode, Radiated Emission, below 1GHz, Horizontal, Channel 0**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.400556	24.51	40.00	15.49	1000.0	120.000	H	25.1
127.287778	18.49	43.50	25.01	1000.0	120.000	H	19.0
845.873333	28.06	46.00	17.94	1000.0	120.000	H	29.4

**Table 10: BLE Test mode, Radiated Emission, below 1GHz, Vertical, Channel 0**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.543333	24.43	40.00	15.57	1000.0	120.000	V	25.0
120.987778	18.71	43.50	24.79	1000.0	120.000	V	19.3
844.780000	28.07	46.00	17.93	1000.0	120.000	V	29.5

**Table 11: BLE Test mode, Radiated Emission, below 1GHz, Horizontal, Channel 19**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.626667	24.36	40.00	15.64	1000.0	120.000	H	25.0
108.011111	18.20	43.50	25.30	1000.0	120.000	H	18.7
715.071111	27.55	46.00	18.45	1000.0	120.000	H	27.8

**Table 12: BLE Test mode, Radiated Emission, below 1GHz, Vertical, Channel 19**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.680556	24.30	40.00	15.70	1000.0	120.000	V	24.9
124.584444	18.64	43.50	24.86	1000.0	120.000	V	19.2
709.503333	27.50	46.00	18.50	1000.0	120.000	V	27.8

**Table 13: BLE Test mode, Radiated Emission, below 1GHz, Horizontal, Channel 39**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.320000	24.61	40.00	15.39	1000.0	120.000	H	25.1
127.908333	18.48	43.50	25.02	1000.0	120.000	H	19.0
848.416667	28.06	46.00	17.94	1000.0	120.000	H	29.4

**Table 14: BLE Test mode, Radiated Emission, below 1GHz, Vertical, Channel 39**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.611111	24.41	40.00	15.59	1000.0	120.000	V	25.0
127.708333	18.54	43.50	24.96	1000.0	120.000	V	19.0
845.383333	28.16	46.00	17.84	1000.0	120.000	V	29.4

**Table 15: LoRa 500KHz DTS, 902.5~926.5 MHz, Test mode Radiated Emission, Horizontal, CH 902.5**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.546667	24.49	40.00	15.51	1000.0	120.000	H	25.0
117.255556	18.88	43.50	24.62	1000.0	120.000	H	19.4
870.725000	42.77	46.00	3.23	1000.0	120.000	H	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1805.375000	41.0	1000.0	1000.000	H	-10.4	33.0	74.0
2707.435000	42.8	1000.0	1000.000	H	-5.5	31.2	74.0
9261.470000	50.9	1000.0	1000.000	H	6.4	23.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1805.375000	35.5	1000.0	1000.000	H	-10.4	18.5	54.0
2707.435000	32.9	1000.0	1000.000	H	-5.5	21.1	54.0
9261.470000	40.1	1000.0	1000.000	H	6.4	14.0	54.0

**Table 16: LoRa 500KHz DTS, 902.5~926.5 MHz, Test mode, Radiated Emission, Vertical, CH 902.5**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
32.024444	24.76	40.00	15.24	1000.0	120.000	V	24.2
130.508889	18.46	43.50	25.04	1000.0	120.000	V	18.9
844.500000	28.25	46.00	17.75	1000.0	120.000	V	29.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1805.375000	40.9	1000.0	1000.000	V	-10.4	33.1	74.0
7020.655000	47.9	1000.0	1000.000	V	4.8	26.1	74.0
9254.560000	50.8	1000.0	1000.000	V	6.4	23.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1805.375000	40.9	1000.0	1000.000	V	-10.4	19.3	54.0
7020.655000	47.9	1000.0	1000.000	V	4.8	16.9	54.0
9254.560000	50.8	1000.0	1000.000	V	6.4	13.8	54.0

**Table 17: LoRa 500KHz DTS, 902.5~926.5 MHz, Test mode, Radiated Emission, Horizontal, CH 914.5**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.508333	24.53	40.00	15.47	1000.0	120.000	H	25.0
124.431667	18.78	43.50	24.72	1000.0	120.000	H	19.2
882.423889	39.41	46.00	6.59	1000.0	120.000	H	29.7

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dB $\mu$ V/m)
1829.810000	39.5	1000.0	1000.000	H	-10.1	34.5	74.0
4329.875000	46.7	1000.0	1000.000	H	1.2	27.3	74.0
9324.155000	50.3	1000.0	1000.000	H	6.4	23.7	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dB $\mu$ V/m)
1829.810000	31.1	1000.0	1000.000	H	-10.1	22.9	54.0
4329.875000	35.5	1000.0	1000.000	H	1.2	18.5	54.0
9324.155000	39.8	1000.0	1000.000	H	6.4	14.2	54.0

**Table 18: LoRa 500KHz DTS, 902.5~926.5 MHz, Test mode, Radiated Emission, Vertical, CH 914.5**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.243889	24.04	40.00	15.96	1000.0	120.000	V	24.7
107.892778	18.26	43.50	25.24	1000.0	120.000	V	18.7
716.912222	27.73	46.00	18.27	1000.0	120.000	V	27.8

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dB $\mu$ V/m)
2007.250000	39.4	1000.0	1000.000	V	-8.7	34.6	74.0
4366.000000	46.4	1000.0	1000.000	V	1.2	27.6	74.0
8490.095000	49.1	1000.0	1000.000	V	5.9	24.9	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dB $\mu$ V/m)
2007.250000	28.0	1000.0	1000.000	V	-8.7	26.0	54.0
4366.000000	35.2	1000.0	1000.000	V	1.2	18.8	54.0
8490.095000	38.6	1000.0	1000.000	V	5.9	15.4	54.0

**Table 19: LoRa 500KHz DTS, 902.5~926.5 MHz, Test mode, Radiated Emission, Horizontal, CH 926.5**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.059444	24.15	40.00	15.85	1000.0	120.000	H	24.8
127.397222	18.61	43.50	24.89	1000.0	120.000	H	19.0
894.277778	40.79	46.00	5.21	1000.0	120.000	H	29.9

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1956.250000	38.5	1000.0	1000.000	H	-9.1	35.5	74.0
2779.155000	43.3	1000.0	1000.000	H	-5.4	30.7	74.0
9124.405000	50.1	1000.0	1000.000	H	6.0	24.0	74.0

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1956.250000	38.5	1000.0	1000.000	H	-9.1	26.7	54.0
2779.155000	43.3	1000.0	1000.000	H	-5.4	17.1	54.0
9124.405000	50.1	1000.0	1000.000	H	6.0	14.8	54.0

**Table 20: LoRa 500KHz DTS, 902.5~926.5 MHz, Test mode, Radiated Emission, Vertical, CH 926.5**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.451111	24.57	40.00	15.43	1000.0	120.000	V	25.1
128.410556	18.57	43.50	24.93	1000.0	120.000	V	19.0
717.145000	27.68	46.00	18.32	1000.0	120.000	V	27.8

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4241.155000	45.8	1000.0	1000.000	V	0.8	28.2	74.0
6861.810000	47.8	1000.0	1000.000	V	4.3	26.2	74.0
8602.720000	49.4	1000.0	1000.000	V	5.9	24.6	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4241.155000	35.0	1000.0	1000.000	V	0.8	19.0	54.0
6861.810000	37.1	1000.0	1000.000	V	4.3	16.9	54.0
8602.720000	38.8	1000.0	1000.000	V	5.9	15.2	54.0



**Table 21: LoRa 500KHz DTS, 903~914.2MHz, Test mode, Radiated Emission, Horizontal, CH 903**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.628333	24.39	40.00	15.61	1000.0	120.000	H	25.0
127.047778	18.61	43.50	24.89	1000.0	120.000	H	19.1
871.025556	38.68	46.00	7.32	1000.0	120.000	H	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1805.375000	41.0	1000.0	1000.000	H	-10.4	33.0	74.0
4080.720000	44.8	1000.0	1000.000	H	-0.2	29.2	74.0
9783.685000	50.6	1000.0	1000.000	H	6.5	23.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1805.375000	34.4	1000.0	1000.000	H	-10.4	19.6	54.0
4080.720000	34.3	1000.0	1000.000	H	-0.2	19.7	54.0
9783.685000	39.5	1000.0	1000.000	H	6.5	14.5	54.0

**Table 22: LoRa 500KHz DTS, 903~914.2 MHz, Test mode, Radiated Emission, Vertical, CH 903**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.548333	24.59	40.00	15.41	1000.0	120.000	V	25.0
125.970000	18.64	43.50	24.86	1000.0	120.000	V	19.1
845.167778	28.31	46.00	17.69	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
3763.030000	43.8	1000.0	1000.000	V	-1.2	30.2	74.0
4311.810000	46.1	1000.0	1000.000	V	1.2	27.9	74.0
9252.435000	50.0	1000.0	1000.000	V	6.4	24.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
3763.030000	32.7	1000.0	1000.000	V	-1.2	21.3	54.0
4311.810000	35.3	1000.0	1000.000	V	1.2	18.7	54.0
9252.435000	39.5	1000.0	1000.000	V	6.4	14.5	54.0

**Table 23: LoRa 500KHz DTS, 903~914.2MHz, Test mode, Radiated Emission, Horizontal, CH 907.8**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.131111	24.71	40.00	15.29	1000.0	120.000	H	25.2
136.071667	18.19	43.50	25.31	1000.0	120.000	H	18.5
875.941667	38.75	46.00	7.25	1000.0	120.000	H	29.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1949.875000	38.4	1000.0	1000.000	H	-9.2	35.6	74.0
4310.220000	46.4	1000.0	1000.000	H	1.2	27.6	74.0
9330.000000	50.4	1000.0	1000.000	H	6.4	23.6	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1949.875000	28.0	1000.0	1000.000	H	-9.2	26.1	54.0
4310.220000	35.5	1000.0	1000.000	H	1.2	18.5	54.0
9330.000000	39.5	1000.0	1000.000	H	6.4	14.5	54.0

**Table 24: LoRa 500KHz DTS, 903~914.2 MHz, Test mode, Radiated Emission, Vertical, CH 907.8**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.965556	24.24	40.00	15.76	1000.0	120.000	V	24.8
123.195556	18.81	43.50	24.69	1000.0	120.000	V	19.3
862.587778	28.13	46.00	17.87	1000.0	120.000	V	29.3

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
3514.405000	43.1	1000.0	1000.000	V	-1.9	30.9	74.0
7206.060000	47.2	1000.0	1000.000	V	4.9	26.8	74.0
9248.185000	50.4	1000.0	1000.000	V	6.4	23.6	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
3514.405000	32.3	1000.0	1000.000	V	-1.9	21.7	54.0
7206.060000	36.7	1000.0	1000.000	V	4.9	17.3	54.0
9248.185000	39.5	1000.0	1000.000	V	6.4	14.5	54.0

**Table 25: LoRa 500KHz DTS, 903~914.2MHz, Test mode, Radiated Emission, Horizontal, CH 914.2**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.280000	24.61	40.00	15.39	1000.0	120.000	H	25.1
134.875556	18.44	43.50	25.06	1000.0	120.000	H	18.7
882.300556	38.15	46.00	7.85	1000.0	120.000	H	29.7

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4324.030000	46.1	1000.0	1000.000	H	1.2	28.0	74.0
8127.780000	49.6	1000.0	1000.000	H	5.8	24.4	74.0
9778.375000	50.3	1000.0	1000.000	H	6.5	23.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4324.030000	35.2	1000.0	1000.000	H	1.2	18.9	54.0
8127.780000	38.7	1000.0	1000.000	H	5.8	15.4	54.0
9778.375000	40.0	1000.0	1000.000	H	6.5	14.0	54.0

**Table 26: LoRa 500KHz DTS, 903~914.2 MHz, Test mode, Radiated Emission, Vertical, CH 914.2**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.265000	24.59	40.00	15.41	1000.0	120.000	V	25.1
123.595556	18.74	43.50	24.76	1000.0	120.000	V	19.2
711.783889	27.57	46.00	18.43	1000.0	120.000	V	27.8

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2001.405000	38.4	1000.0	1000.000	V	-8.6	35.6	74.0
6048.470000	47.0	1000.0	1000.000	V	2.9	27.0	74.0
9909.595000	49.3	1000.0	1000.000	V	6.7	24.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2001.405000	28.0	1000.0	1000.000	V	-8.6	26.1	54.0
6048.470000	35.7	1000.0	1000.000	V	2.9	18.3	54.0
9909.595000	38.6	1000.0	1000.000	V	6.7	15.4	54.0

**Table 27: LoRa 500KHz DTS, 923.3~926.9MHz, Test mode, Radiated Emission, Horizontal, CH 923.3**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.677222	24.30	40.00	15.70	1000.0	120.000	H	24.9
127.612778	18.56	43.50	24.94	1000.0	120.000	H	19.0
891.540000	40.27	46.00	5.73	1000.0	120.000	H	29.8

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2769.595000	43.3	1000.0	1000.000	H	-5.4	30.7	74.0
4294.810000	46.2	1000.0	1000.000	H	1.2	27.8	74.0
9699.220000	50.2	1000.0	1000.000	H	6.4	23.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2769.595000	35.0	1000.0	1000.000	H	-5.4	19.0	54.0
4294.810000	35.6	1000.0	1000.000	H	1.2	18.4	54.0
9699.220000	39.5	1000.0	1000.000	H	6.4	14.5	54.0

**Table 28: LoRa 500KHz DTS, 923.3~926.9MHz, Test mode, Radiated Emission, Vertical, CH 923.3**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.817778	24.22	40.00	15.78	1000.0	120.000	V	24.9
109.261111	18.29	43.50	25.21	1000.0	120.000	V	18.9
845.790000	28.36	46.00	17.64	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2553.375000	40.4	1000.0	1000.000	V	-6.3	33.6	74.0
4296.935000	46.5	1000.0	1000.000	V	1.2	27.5	74.0
9770.405000	50.8	1000.0	1000.000	V	6.5	23.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2553.375000	29.8	1000.0	1000.000	V	-6.3	24.2	54.0
4296.935000	35.5	1000.0	1000.000	V	1.2	18.5	54.0
9770.405000	40.3	1000.0	1000.000	V	6.5	13.7	54.0

**Table 29: LoRa 500KHz DTS, 923.3~926.9MHz, Test mode, Radiated Emission, Horizontal, CH 925.1**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.534444	24.54	40.00	15.46	1000.0	120.000	H	25.0
126.343889	18.57	43.50	24.93	1000.0	120.000	H	19.1
893.158333	42.17	46.00	3.83	1000.0	120.000	H	29.9

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dB $\mu$ V/m)
3471.905000	43.2	1000.0	1000.000	H	-2.0	30.9	74.0
4926.470000	46.5	1000.0	1000.000	H	1.7	27.5	74.0
8816.280000	49.8	1000.0	1000.000	H	6.3	24.2	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dB $\mu$ V/m)
3471.905000	32.1	1000.0	1000.000	H	-2.0	21.9	54.0
4926.470000	35.3	1000.0	1000.000	H	1.7	18.7	54.0
8816.280000	39.2	1000.0	1000.000	H	6.3	14.8	54.0

**Table 30: LoRa 500KHz DTS, 923.3~926.9MHz, Test mode, Radiated Emission, Vertical, CH 925.1**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.385000	24.57	40.00	15.43	1000.0	120.000	V	25.1
122.707222	18.72	43.50	24.78	1000.0	120.000	V	19.3
845.652778	28.47	46.00	17.53	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dB $\mu$ V/m)
4379.810000	46.3	1000.0	1000.000	V	1.1	27.7	74.0
8058.185000	49.4	1000.0	1000.000	V	5.7	24.6	74.0
9264.655000	50.6	1000.0	1000.000	V	6.4	23.4	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dB $\mu$ V/m)
4379.810000	35.2	1000.0	1000.000	V	1.1	18.8	54.0
8058.185000	38.9	1000.0	1000.000	V	5.7	15.2	54.0
9264.655000	40.2	1000.0	1000.000	V	6.4	13.8	54.0

**Table 31: LoRa 500KHz DTS, 923.3~926.9MHz, Test mode, Radiated Emission, Horizontal, CH 926.9**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.185000	24.62	40.00	15.38	1000.0	120.000	H	25.2
124.610556	18.68	43.50	24.82	1000.0	120.000	H	19.2
895.056667	39.84	46.00	6.16	1000.0	120.000	H	29.9

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2880.095000	41.1	1000.0	1000.000	H	-4.9	32.9	74.0
8066.155000	49.9	1000.0	1000.000	H	5.7	24.1	74.0
9110.595000	50.6	1000.0	1000.000	H	6.0	23.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2880.095000	29.8	1000.0	1000.000	H	-4.9	24.2	54.0
8066.155000	38.6	1000.0	1000.000	H	5.7	15.4	54.0
9110.595000	39.6	1000.0	1000.000	H	6.0	14.4	54.0

**Table 32: LoRa 500KHz DTS, 923.3~926.9MHz, Test mode, Radiated Emission, Vertical, CH 926.9**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.275000	24.11	40.00	15.89	1000.0	120.000	V	24.6
129.846667	18.50	43.50	24.00	1000.0	120.000	V	18.9
846.568889	27.18	46.00	18.82	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4338.375000	45.9	1000.0	1000.000	V	1.2	28.1	74.0
8452.375000	49.3	1000.0	1000.000	V	5.9	24.7	74.0
9343.280000	50.6	1000.0	1000.000	V	6.4	23.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4338.375000	35.3	1000.0	1000.000	V	1.2	18.7	54.0
8452.375000	38.7	1000.0	1000.000	V	5.9	15.3	54.0
9343.280000	40.0	1000.0	1000.000	V	6.4	14.0	54.0

**Table 33: LoRa 250KHz FHSS, 902.3~926.7MHz, Test mode, Radiated Emission, Horizontal, CH 902.3**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.911667	24.23	40.00	15.77	1000.0	120.000	H	24.8
138.823333	18.18	43.50	25.32	1000.0	120.000	H	18.5
870.417222	39.41	46.00	6.59	1000.0	120.000	H	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.310000	40.9	1000.0	1000.000	H	-10.3	33.1	74.0
2706.905000	44.7	1000.0	1000.000	H	-5.5	29.3	74.0
9189.220000	50.2	1000.0	1000.000	H	6.2	23.9	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	35.4	1000.0	1000.000	H	-10.3	18.6	54.0
2706.905000	39.0	1000.0	1000.000	H	-5.5	15.1	54.0
9189.220000	40.1	1000.0	1000.000	H	6.2	14.0	54.0

**Table 34: LoRa 250KHz FHSS, 902.3~926.7MHz, Test mode, Radiated Emission, Vertical, CH 902.3**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.302778	24.98	40.00	15.02	1000.0	120.000	V	24.6
131.517222	18.49	43.50	25.01	1000.0	120.000	V	18.8
845.221667	28.29	46.00	17.71	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1962.625000	38.2	1000.0	1000.000	V	-9.0	35.8	74.0
4283.125000	46.6	1000.0	1000.000	V	1.1	27.4	74.0
9327.345000	49.9	1000.0	1000.000	V	6.4	24.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1962.625000	27.3	1000.0	1000.000	V	-9.0	26.7	54.0
4283.125000	35.1	1000.0	1000.000	V	1.1	18.9	54.0
9327.345000	39.5	1000.0	1000.000	V	6.4	14.6	54.0

**Table 35: LoRa 250KHz FHSS, 902.3~926.7MHz, Test mode, Radiated Emission, Horizontal, CH 914.3**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.203889	24.91	40.00	15.09	1000.0	120.000	H	24.7
128.123889	18.47	43.50	25.03	1000.0	120.000	H	19.0
882.392778	37.42	46.00	8.58	1000.0	120.000	H	29.7

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1921.185000	37.8	1000.0	1000.000	H	-9.5	36.2	74.0
4332.000000	45.9	1000.0	1000.000	H	1.2	28.1	74.0
9323.095000	50.2	1000.0	1000.000	H	6.4	23.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1921.185000	27.4	1000.0	1000.000	H	-9.5	26.6	54.0
4332.000000	35.4	1000.0	1000.000	H	1.2	18.6	54.0
9323.095000	39.5	1000.0	1000.000	H	6.4	14.5	54.0

**Table 36: LoRa 250KHz FHSS, 902.3~926.7MHz, Test mode, Radiated Emission, Vertical, CH 914.3**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.485556	24.74	40.00	15.26	1000.0	120.000	V	24.5
127.367778	18.52	43.50	24.98	1000.0	120.000	V	19.0
728.623333	29.19	46.00	16.81	1000.0	120.000	V	28.0

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4993.405000	46.0	1000.0	1000.000	V	1.5	28.0	74.0
9718.345000	50.3	1000.0	1000.000	V	6.5	23.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4993.405000	35.3	1000.0	1000.000	V	1.5	18.7	54.0
9718.345000	39.2	1000.0	1000.000	V	6.5	14.8	54.0



**Table 37: LoRa 250KHz FHSS, 902.3~926.7MHz, Test mode, Radiated Emission, Horizontal, CH 926.7**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.080000	24.80	40.00	15.20	1000.0	120.000	H	25.2
131.291111	18.46	43.50	25.04	1000.0	120.000	H	18.8
894.668889	38.85	46.00	7.15	1000.0	120.000	H	29.9

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1894.095000	37.8	1000.0	1000.000	H	-9.9	36.2	74.0
2779.685000	44.2	1000.0	1000.000	H	-5.5	29.8	74.0
9193.470000	50.1	1000.0	1000.000	H	6.2	23.9	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1894.095000	26.6	1000.0	1000.000	H	-9.9	27.4	54.0
2779.685000	37.6	1000.0	1000.000	H	-5.5	16.4	54.0
9193.470000	39.7	1000.0	1000.000	H	6.2	14.3	54.0

**Table 38: LoRa 250KHz FHSS, 902.3~926.7MHz, Test mode, Radiated Emission, Vertical, CH 926.7**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.346667	24.58	40.00	15.42	1000.0	120.000	V	25.1
129.189444	18.64	43.50	24.86	1000.0	120.000	V	19.0
845.306667	28.31	46.00	17.69	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4905.220000	46.7	1000.0	1000.000	V	1.6	27.3	74.0
8114.500000	49.4	1000.0	1000.000	V	5.8	24.6	74.0
9706.655000	50.7	1000.0	1000.000	V	6.5	23.3	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4905.220000	35.6	1000.0	1000.000	V	1.6	18.4	54.0
8114.500000	38.8	1000.0	1000.000	V	5.8	15.3	54.0
9706.655000	39.3	1000.0	1000.000	V	6.5	14.7	54.0

**Table 39: LoRa 125KHz FHSS, 902.3~914.9MHz, Test mode, Radiated Emission, Horizontal, CH 902.3**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.705000	24.34	40.00	15.66	1000.0	120.000	H	24.9
114.545556	18.71	43.50	24.79	1000.0	120.000	H	19.3
870.283333	37.77	46.00	8.23	1000.0	120.000	H	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4308.625000	46.5	1000.0	1000.000	H	1.2	27.5	74.0
9257.750000	50.2	1000.0	1000.000	H	6.4	23.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4308.625000	35.5	1000.0	1000.000	H	1.2	18.5	54.0
9257.750000	39.7	1000.0	1000.000	H	6.4	14.3	54.0

**Table 40: LoRa 125KHz FHSS, 902.3~914.9MHz, Test mode, Radiated Emission, Vertical, CH 902.3**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.305000	24.65	40.00	15.35	1000.0	120.000	V	25.1
125.634444	18.64	43.50	24.86	1000.0	120.000	V	19.1
845.706667	28.23	46.00	17.77	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1992.375000	39.0	1000.0	1000.000	V	-8.7	35.1	74.0
4892.470000	46.0	1000.0	1000.000	V	1.6	28.0	74.0
9775.720000	50.3	1000.0	1000.000	V	6.5	23.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1992.375000	28.1	1000.0	1000.000	V	-8.7	25.9	54.0
4892.470000	35.3	1000.0	1000.000	V	1.6	18.7	54.0
9775.720000	39.7	1000.0	1000.000	V	6.5	14.3	54.0

**Table 41: LoRa 125KHz FHSS, 902.3~914.9MHz, Test mode, Radiated Emission, Horizontal, CH 908.5**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.355000	24.94	40.00	15.06	1000.0	120.000	H	24.6
128.316667	18.61	43.50	24.89	1000.0	120.000	H	19.0
876.480556	38.62	46.00	7.38	1000.0	120.000	H	29.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1817.060000	39.7	1000.0	1000.000	H	-10.5	34.3	74.0
4301.185000	46.7	1000.0	1000.000	H	1.2	27.3	74.0
9728.435000	49.6	1000.0	1000.000	H	6.5	24.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1817.060000	33.7	1000.0	1000.000	H	-10.5	20.3	54.0
4301.185000	35.5	1000.0	1000.000	H	1.2	18.5	54.0
9728.435000	39.3	1000.0	1000.000	H	6.5	14.7	54.0

**Table 42: LoRa 125KHz FHSS, 902.3~914.9MHz, Test mode, Radiated Emission, Vertical, CH 908.5**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.602222	24.38	40.00	15.62	1000.0	120.000	V	25.0
128.841667	18.50	43.50	25.00	1000.0	120.000	V	19.0
874.905556	28.63	46.00	17.37	1000.0	120.000	V	29.5

Frequency (MHz))	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2066.750000	38.7	1000.0	1000.000	V	-8.5	35.3	74.0
8004.530000	49.6	1000.0	1000.000	V	5.6	24.4	74.0
9352.845000	50.0	1000.0	1000.000	V	6.4	24.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2066.750000	28.2	1000.0	1000.000	V	-8.5	25.8	54.0
8004.530000	39.0	1000.0	1000.000	V	5.6	15.1	54.0
9352.845000	39.4	1000.0	1000.000	V	6.4	14.6	54.0

**Table 43: LoRa 125KHz FHSS, 902.3~914.9MHz, Test mode, Radiated Emission, Horizontal, CH 914.9**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.830000	24.28	40.00	15.72	1000.0	120.000	H	24.9
113.546111	18.69	43.50	24.81	1000.0	120.000	H	19.2
882.853333	36.57	46.00	9.43	1000.0	120.000	H	29.7

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2744.625000	42.9	1000.0	1000.000	H	-5.5	31.1	74.0
5061.935000	46.1	1000.0	1000.000	H	1.3	27.9	74.0
9268.905000	50.9	1000.0	1000.000	H	6.4	23.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2744.625000	34.8	1000.0	1000.000	H	-5.5	19.2	54.0
5061.935000	35.2	1000.0	1000.000	H	1.3	18.8	54.0
9268.905000	39.9	1000.0	1000.000	H	6.4	14.1	54.0

**Table 44: LoRa 125KHz FHSS, 902.3~914.9MHz, Test mode, Radiated Emission, Vertical, CH 914.9**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.372778	24.54	40.00	15.46	1000.0	120.000	V	25.1
130.228889	18.44	43.50	25.06	1000.0	120.000	V	18.9
845.550000	27.14	46.00	18.86	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2901.875000	40.5	1000.0	1000.000	V	-4.6	33.5	74.0
4284.185000	46.5	1000.0	1000.000	V	1.1	27.5	74.0
9336.905000	50.4	1000.0	1000.000	V	6.4	23.6	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2901.875000	29.8	1000.0	1000.000	V	-4.6	24.3	54.0
4284.185000	35.2	1000.0	1000.000	V	1.1	18.8	54.0
9336.905000	39.9	1000.0	1000.000	V	6.4	14.1	54.0

**Table 45: FSK 150Kbps FHSS, 902.4~927.6MHz, Test mode, Radiated Emission, Horizontal, CH 902.4**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.546667	24.35	40.00	15.65	1000.0	120.000	H	25.0
128.544444	18.40	43.50	25.10	1000.0	120.000	H	19.0
870.417222	39.74	46.00	6.26	1000.0	120.000	H	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.310000	40.7	1000.0	1000.000	H	-10.3	33.4	74.0
2706.905000	41.8	1000.0	1000.000	H	-5.5	32.2	74.0
8759.435000	50.0	1000.0	1000.000	H	6.3	24.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	33.3	1000.0	1000.000	H	-10.3	20.7	54.0
2706.905000	32.2	1000.0	1000.000	H	-5.5	21.8	54.0
8759.435000	38.9	1000.0	1000.000	H	6.3	15.1	54.0

**Table 46: FSK 150Kbps FHSS, 902.4~927.6MHz, Test mode, Radiated Emission, Vertical, CH 902.4**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.656111	24.26	40.00	15.74	1000.0	120.000	V	25.0
128.136111	18.40	43.50	25.10	1000.0	120.000	V	19.0
844.795556	27.99	46.00	18.01	1000.0	120.000	V	29.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2562.405000	40.4	1000.0	1000.000	V	-6.2	33.6	74.0
8019.405000	49.2	1000.0	1000.000	V	5.6	24.8	74.0
9724.720000	49.6	1000.0	1000.000	V	6.5	24.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2562.405000	29.5	1000.0	1000.000	V	-6.2	24.5	54.0
8019.405000	38.9	1000.0	1000.000	V	5.6	15.1	54.0
9724.720000	39.2	1000.0	1000.000	V	6.5	14.8	54.0

**Table 47: FSK 150Kbps FHSS, 902.4~927.6MHz, Test mode, Radiated Emission, Horizontal, CH 914.8**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.950000	24.97	40.00	15.03	1000.0	120.000	H	24.8
147.416111	17.54	43.50	25.96	1000.0	120.000	H	17.8
882.811667	38.38	46.00	7.62	1000.0	120.000	H	29.7

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dB $\mu$ V/m)
3044.780000	41.8	1000.0	1000.000	H	-3.1	32.2	74.0
4423.905000	46.5	1000.0	1000.000	H	0.8	27.6	74.0
9420.845000	50.1	1000.0	1000.000	H	6.4	23.9	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dB $\mu$ V/m)
3044.780000	31.0	1000.0	1000.000	H	-3.1	23.0	54.0
4423.905000	35.1	1000.0	1000.000	H	0.8	18.9	54.0
9420.845000	39.3	1000.0	1000.000	H	6.4	14.7	54.0

**Table 48: FSK 150Kbps FHSS, 902.4~927.6MHz, Test mode, Radiated Emission, Vertical, CH 914.8**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.426667	24.44	40.00	15.56	1000.0	120.000	V	25.1
149.017222	18.36	43.50	25.14	1000.0	120.000	V	17.8
845.438889	28.07	46.00	17.93	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dB $\mu$ V/m)
2663.345000	41.0	1000.0	1000.000	V	-5.6	33.0	74.0
4309.155000	46.1	1000.0	1000.000	V	1.2	27.9	74.0
6794.875000	47.5	1000.0	1000.000	V	4.3	26.5	74.0

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dB $\mu$ V/m)
2663.345000	41.0	1000.0	1000.000	V	-5.6	24.2	54.0
4309.155000	46.1	1000.0	1000.000	V	1.2	18.5	54.0
6794.875000	47.5	1000.0	1000.000	V	4.3	17.2	54.0

**Table 49: FSK 150Kbps FHSS, 902.4~927.6MHz, Test mode, Radiated Emission, Horizontal, CH 927.6**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.732778	24.07	40.00	15.93	1000.0	120.000	H	24.9
728.580000	27.23	46.00	18.77	1000.0	120.000	H	28.0
895.597222	38.76	46.00	7.24	1000.0	120.000	H	29.9

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2782.345000	43.5	1000.0	1000.000	H	-5.5	30.5	74.0
4405.310000	45.7	1000.0	1000.000	H	0.9	28.3	74.0
9267.310000	51.0	1000.0	1000.000	H	6.4	23.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2782.345000	35.3	1000.0	1000.000	H	-5.5	18.7	54.0
4405.310000	35.3	1000.0	1000.000	H	0.9	18.7	54.0
9267.310000	40.0	1000.0	1000.000	H	6.4	14.0	54.0

**Table 50: FSK 150Kbps FHSS, 902.4~927.6MHz, Test mode, Radiated Emission, Vertical, CH 927.6**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.612778	24.35	40.00	15.65	1000.0	120.000	V	25.0
133.448333	18.20	43.50	25.30	1000.0	120.000	V	18.7
729.294444	29.11	46.00	16.89	1000.0	120.000	V	28.1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4992.875000	46.6	1000.0	1000.000	V	1.5	27.4	74.0
6009.155000	46.9	1000.0	1000.000	V	2.8	27.1	74.0
9766.155000	50.5	1000.0	1000.000	V	6.5	23.5	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4992.875000	35.6	1000.0	1000.000	V	1.5	18.4	54.0
6009.155000	35.8	1000.0	1000.000	V	2.8	18.3	54.0
9766.155000	39.5	1000.0	1000.000	V	6.5	14.5	54.0

**Table 51: FSK 50Kbps FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Horizontal, CH 902.2**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.063333	24.67	40.00	15.33	1000.0	120.000	H	25.3
125.575556	18.57	43.50	24.93	1000.0	120.000	H	19.1
870.215556	39.32	46.00	6.68	1000.0	120.000	H	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.310000	41.1	1000.0	1000.000	H	-10.3	32.9	74.0
2706.905000	42.2	1000.0	1000.000	H	-5.5	31.8	74.0
9410.220000	50.5	1000.0	1000.000	H	6.4	23.5	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	35.4	1000.0	1000.000	H	-10.3	18.6	54.0
2706.905000	31.5	1000.0	1000.000	H	-5.5	22.5	54.0
9410.220000	39.6	1000.0	1000.000	H	6.4	14.4	54.0

**Table 52: FSK 50Kbps FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Vertical, CH 902.2**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.854444	24.22	40.00	15.78	1000.0	120.000	V	24.9
134.201111	18.20	43.50	25.30	1000.0	120.000	V	18.7
844.780000	28.17	46.00	17.83	1000.0	120.000	V	29.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.310000	39.5	1000.0	1000.000	V	-10.3	34.5	74.0
4337.310000	45.6	1000.0	1000.000	V	1.2	28.4	74.0
9284.845000	49.8	1000.0	1000.000	V	6.4	24.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	32.6	1000.0	1000.000	V	-10.3	21.4	54.0
4337.310000	35.2	1000.0	1000.000	V	1.2	18.8	54.0
9284.845000	39.3	1000.0	1000.000	V	6.4	14.7	54.0



**Table 53: FSK 50Kbps FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Horizontal, CH 915**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.882222	24.08	40.00	15.92	1000.0	120.000	H	24.8
128.136111	18.43	43.50	25.07	1000.0	120.000	H	19.0
886.895000	28.53	46.00	17.47	1000.0	120.000	H	29.8

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dB $\mu$ V/m)
4981.185000	46.4	1000.0	1000.000	H	1.6	27.6	74.0
6919.185000	48.3	1000.0	1000.000	H	4.4	25.7	74.0
9420.845000	50.1	1000.0	1000.000	H	6.4	23.9	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dB $\mu$ V/m)
4981.185000	35.5	1000.0	1000.000	H	1.6	18.5	54.0
6919.185000	37.0	1000.0	1000.000	H	4.4	17.0	54.0
9420.845000	39.1	1000.0	1000.000	H	6.4	14.9	54.0

**Table 54: FSK 50Kbps FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Vertical, CH 915**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.647222	24.82	40.00	15.18	1000.0	120.000	V	24.4
120.403889	18.74	43.50	24.76	1000.0	120.000	V	19.4
848.406111	28.09	46.00	17.91	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dB $\mu$ V/m)
4409.030000	45.4	1000.0	1000.000	V	0.9	28.6	74.0
8130.435000	50.3	1000.0	1000.000	V	5.8	23.8	74.0
9240.220000	50.4	1000.0	1000.000	V	6.3	23.7	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dB $\mu$ V/m)
4409.030000	34.9	1000.0	1000.000	V	0.9	19.1	54.0
8130.435000	38.7	1000.0	1000.000	V	5.8	15.3	54.0
9240.220000	39.5	1000.0	1000.000	V	6.3	14.5	54.0

**Table 55: FSK 50Kbps FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Horizontal, CH 927.8**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.636667	24.77	40.00	15.23	1000.0	120.000	H	24.4
133.836111	18.26	43.50	25.24	1000.0	120.000	H	18.7
895.798889	40.06	46.00	5.94	1000.0	120.000	H	29.9

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2075.780000	38.5	1000.0	1000.000	H	-8.4	35.5	74.0
4289.500000	45.8	1000.0	1000.000	H	1.1	28.3	74.0
9635.470000	49.9	1000.0	1000.000	H	6.4	24.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2075.780000	28.0	1000.0	1000.000	H	-8.4	26.0	54.0
4289.500000	35.4	1000.0	1000.000	H	1.1	18.6	54.0
9635.470000	38.9	1000.0	1000.000	H	6.4	15.1	54.0

**Table 56: FSK 50Kbps FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Vertical, CH 927.8**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.137778	24.95	40.00	15.05	1000.0	120.000	V	24.7
125.457222	18.56	43.50	24.94	1000.0	120.000	V	19.1
844.957222	28.17	46.00	17.83	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4375.560000	46.0	1000.0	1000.000	V	1.1	28.1	74.0
7422.810000	49.1	1000.0	1000.000	V	5.0	24.9	74.0
9688.595000	49.5	1000.0	1000.000	V	6.4	24.5	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4375.560000	35.1	1000.0	1000.000	V	1.1	18.9	54.0
7422.810000	39.3	1000.0	1000.000	V	5.0	14.8	54.0
9688.595000	38.9	1000.0	1000.000	V	6.4	15.1	54.0

**Table 57: FSK 5Kbps FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Horizontal, CH 902.2**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.063333	25.67	40.00	14.33	1000.0	120.000	H	25.3
124.575556	19.57	43.50	23.93	1000.0	120.000	H	19.1
862.235556	37.32	46.00	8.68	1000.0	120.000	H	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1803.780000	39.5	1000.0	1000.000	H	-10.3	34.5	74.0
4209.280000	46.7	1000.0	1000.000	H	0.5	27.3	74.0
9112.185000	50.3	1000.0	1000.000	H	6.0	23.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1803.780000	31.9	1000.0	1000.000	H	-10.3	22.1	54.0
4209.280000	34.8	1000.0	1000.000	H	0.5	19.2	54.0
9112.185000	39.5	1000.0	1000.000	H	6.0	14.5	54.0

**Table 58: FSK 5Kbps FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Vertical, CH 902.2**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.854444	23.22	40.00	16.78	1000.0	120.000	V	24.9
134.501111	17.20	43.50	26.30	1000.0	120.000	V	18.7
844.780000	29.17	46.00	16.83	1000.0	120.000	V	29.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.310000	40.6	1000.0	1000.000	V	-10.3	33.4	74.0
6925.030000	48.0	1000.0	1000.000	V	4.4	26.0	74.0
9320.435000	50.2	1000.0	1000.000	V	6.4	23.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	34.8	1000.0	1000.000	V	-10.3	19.3	54.0
6925.030000	37.0	1000.0	1000.000	V	4.4	17.0	54.0
9320.435000	39.5	1000.0	1000.000	V	6.4	14.5	54.0

**Table 59: FSK 5Kbps FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Horizontal, CH 915**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
32.882222	23.08	40.00	16.92	1000.0	120.000	H	24.8
127.135111	19.43	43.50	245.07	1000.0	120.000	H	19.0
886.885000	29.53	46.00	16.47	1000.0	120.000	H	29.8

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dB $\mu$ V/m)
3727.435000	43.8	1000.0	1000.000	H	-1.3	30.2	74.0
6984.000000	47.7	1000.0	1000.000	H	4.6	26.3	74.0
9224.280000	50.5	1000.0	1000.000	H	6.3	23.6	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dB $\mu$ V/m)
3727.435000	33.3	1000.0	1000.000	H	-1.3	20.7	54.0
6984.000000	37.3	1000.0	1000.000	H	4.6	16.7	54.0
9224.280000	39.3	1000.0	1000.000	H	6.3	14.7	54.0

**Table 60: FSK 5Kbps FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Vertical, CH 915**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.537222	23.82	40.00	16.18	1000.0	120.000	V	24.4
120.413887	17.74	43.50	25.76	1000.0	120.000	V	19.4
847.406211	29.09	46.00	16.91	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dB $\mu$ V/m)
1916.405000	37.8	1000.0	1000.000	V	-9.5	36.2	74.0
2685.655000	40.7	1000.0	1000.000	V	-5.3	33.3	74.0
9402.250000	50.0	1000.0	1000.000	V	6.4	24.0	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dB $\mu$ V/m)
1916.405000	27.1	1000.0	1000.000	V	-9.5	26.9	54.0
2685.655000	30.1	1000.0	1000.000	V	-5.3	23.9	54.0
9402.250000	39.5	1000.0	1000.000	V	6.4	14.5	54.0

**Table 61: FSK 5Kbps FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Horizontal, CH 927.8**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.363333	23.67	40.00	16.33	1000.0	120.000	H	25.3
121.675553	18.57	43.50	24.93	1000.0	120.000	H	19.1
862.235756	36.32	46.00	9.68	1000.0	120.000	H	29.4

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dB $\mu$ V/m)
2783.405000	43.8	1000.0	1000.000	H	-5.5	30.3	74.0
4831.375000	45.9	1000.0	1000.000	H	1.2	28.1	74.0
9268.905000	50.6	1000.0	1000.000	H	6.4	23.4	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dB $\mu$ V/m)
2783.405000	37.4	1000.0	1000.000	H	-5.5	16.6	54.0
4831.375000	35.4	1000.0	1000.000	H	1.2	18.7	54.0
9268.905000	40.1	1000.0	1000.000	H	6.4	13.9	54.0

**Table 62: FSK 5Kbps FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Vertical, CH 927.8**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.954444	24.22	40.00	15.78	1000.0	120.000	V	24.9
133.501111	18.20	43.50	25.30	1000.0	120.000	V	18.7
834.780000	28.17	46.00	17.83	1000.0	120.000	V	29.5

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dB $\mu$ V/m)
1959.435000	38.2	1000.0	1000.000	V	-9.0	35.8	74.0
4422.310000	45.7	1000.0	1000.000	V	0.8	28.3	74.0
9270.500000	51.0	1000.0	1000.000	V	6.4	23.0	74.0

Frequency (MHz)	Average (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dB $\mu$ V/m)
1959.435000	27.8	1000.0	1000.000	V	-9.0	26.2	54.0
4422.310000	34.6	1000.0	1000.000	V	0.8	19.4	54.0
9270.500000	39.8	1000.0	1000.000	V	6.4	14.2	54.0

**Table 63: LoRa 125KHz FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Horizontal, CH 902.2**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.017778	24.07	40.00	15.93	1000.0	120.000	H	24.8
134.472222	18.23	43.50	25.27	1000.0	120.000	H	18.7
870.201667	39.76	46.00	6.24	1000.0	120.000	H	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.845000	42.7	1000.0	1000.000	H	-10.4	31.3	74.0
4501.470000	45.2	1000.0	1000.000	H	0.8	28.8	74.0
8134.155000	49.4	1000.0	1000.000	H	5.8	24.6	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.845000	36.0	1000.0	1000.000	H	-10.4	18.0	54.0
4501.470000	34.8	1000.0	1000.000	H	0.8	19.2	54.0
8134.155000	38.5	1000.0	1000.000	H	5.8	15.5	54.0

**Table 64: LoRa 125KHz FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Vertical, CH 902.2**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.200000	24.56	40.00	15.44	1000.0	120.000	V	25.2
129.886667	18.38	43.50	25.12	1000.0	120.000	V	18.9
845.803889	27.19	46.00	18.81	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.310000	43.7	1000.0	1000.000	V	-10.3	30.3	74.0
4413.810000	45.8	1000.0	1000.000	V	0.9	28.2	74.0
8358.875000	48.6	1000.0	1000.000	V	5.9	25.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	36.9	1000.0	1000.000	V	-10.3	17.1	54.0
4413.810000	35.1	1000.0	1000.000	V	0.9	18.9	54.0
8358.875000	38.1	1000.0	1000.000	V	5.9	15.9	54.0

**Table 65: LoRa 125KHz FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Horizontal, CH 915**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.691111	24.26	40.00	15.74	1000.0	120.000	H	24.9
126.347222	18.53	43.50	24.97	1000.0	120.000	H	19.1
883.013333	38.17	46.00	7.83	1000.0	120.000	H	29.7

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1829.280000	38.4	1000.0	1000.000	H	-10.2	35.6	74.0
4344.750000	45.3	1000.0	1000.000	H	1.3	28.7	74.0
8090.595000	50.2	1000.0	1000.000	H	5.8	23.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.280000	28.4	1000.0	1000.000	H	-10.2	25.6	54.0
4344.750000	35.2	1000.0	1000.000	H	1.3	18.8	54.0
8090.595000	38.7	1000.0	1000.000	H	5.8	15.4	54.0

**Table 66: LoRa 125KHz FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Vertical, CH 915**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.920556	24.17	40.00	15.83	1000.0	120.000	V	24.8
125.858889	18.59	43.50	24.91	1000.0	120.000	V	19.1
844.687778	28.15	46.00	17.85	1000.0	120.000	V	29.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1991.310000	38.3	1000.0	1000.000	V	-8.7	35.7	74.0
4375.560000	45.3	1000.0	1000.000	V	1.1	28.7	74.0
7039.250000	48.2	1000.0	1000.000	V	4.9	25.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1991.310000	28.3	1000.0	1000.000	V	-8.7	25.7	54.0
4375.560000	34.8	1000.0	1000.000	V	1.1	19.2	54.0
7039.250000	37.6	1000.0	1000.000	V	4.9	16.4	54.0

**Table 67: LoRa 125KHz FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Horizontal, CH 927.8**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.080000	24.80	40.00	15.20	1000.0	120.000	H	25.2
131.291111	18.46	43.50	25.04	1000.0	120.000	H	18.8
894.668889	38.85	46.00	7.15	1000.0	120.000	H	29.9

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1894.095000	37.8	1000.0	1000.000	H	-9.9	36.2	74.0
2779.685000	44.2	1000.0	1000.000	H	-5.5	29.8	74.0
9193.470000	50.1	1000.0	1000.000	H	6.2	23.9	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1894.095000	26.6	1000.0	1000.000	H	-9.9	27.4	54.0
2779.685000	37.6	1000.0	1000.000	H	-5.5	16.4	54.0
9193.470000	39.7	1000.0	1000.000	H	6.2	14.3	54.0

**Table 68: LoRa 125KHz FHSS, 902.2~927.8MHz, Test mode, Radiated Emission, Vertical, CH 927.8**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.346667	24.58	40.00	15.42	1000.0	120.000	V	25.1
129.189444	18.64	43.50	24.86	1000.0	120.000	V	19.0
845.306667	28.31	46.00	17.69	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
4905.220000	46.7	1000.0	1000.000	V	1.6	27.3	74.0
8114.500000	49.4	1000.0	1000.000	V	5.8	24.6	74.0
9706.655000	50.7	1000.0	1000.000	V	6.5	23.3	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4905.220000	35.6	1000.0	1000.000	V	1.6	18.4	54.0
8114.500000	38.8	1000.0	1000.000	V	5.8	15.3	54.0
9706.655000	39.3	1000.0	1000.000	V	6.5	14.7	54.0



**Table 69: FSK 250Kbps FHSS, 902.5~927.5MHz, Test mode, Radiated Emission, Horizontal, CH 902.5**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
31.733889	24.85	40.00	15.15	1000.0	120.000	H	24.4
133.227778	18.23	43.50	25.27	1000.0	120.000	H	18.7
870.485000	37.85	46.00	8.15	1000.0	120.000	H	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.845000	43.0	1000.0	1000.000	H	-10.4	31.0	74.0
4363.875000	46.2	1000.0	1000.000	H	1.2	27.8	74.0
8014.625000	49.6	1000.0	1000.000	H	5.6	24.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.845000	35.8	1000.0	1000.000	H	-10.4	18.2	54.0
4363.875000	35.3	1000.0	1000.000	H	1.2	18.7	54.0
8014.625000	39.0	1000.0	1000.000	H	5.6	15.0	54.0

**Table 70: FSK 250Kbps FHSS, 902.5~927.5MHz, Test mode, Radiated Emission, Vertical, CH 902.5**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.346667	24.56	40.00	15.44	1000.0	120.000	V	25.1
127.692778	18.48	43.50	25.02	1000.0	120.000	V	19.0
845.922222	28.12	46.00	17.88	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.845000	42.5	1000.0	1000.000	V	-10.4	31.5	74.0
4294.810000	45.7	1000.0	1000.000	V	1.2	28.3	74.0
8136.810000	49.0	1000.0	1000.000	V	5.8	25.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.845000	36.2	1000.0	1000.000	V	-10.4	17.8	54.0
4294.810000	35.5	1000.0	1000.000	V	1.2	18.5	54.0
8136.810000	38.6	1000.0	1000.000	V	5.8	15.4	54.0

**Table 71: FSK 250Kbps FHSS, 902.5~927.5MHz, Test mode, Radiated Emission, Horizontal, CH 915**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.080000	24.70	40.00	15.30	1000.0	120.000	H	25.2
127.287778	18.53	43.50	24.97	1000.0	120.000	H	19.0
845.143333	29.05	46.00	16.95	1000.0	120.000	H	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2995.375000	41.2	1000.0	1000.000	H	-3.9	32.8	74.0
4170.500000	44.9	1000.0	1000.000	H	0.3	29.1	74.0
8109.185000	49.6	1000.0	1000.000	H	5.8	24.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2995.375000	30.5	1000.0	1000.000	H	-3.9	23.5	54.0
4170.500000	34.4	1000.0	1000.000	H	0.3	19.6	54.0
8109.185000	38.6	1000.0	1000.000	H	5.8	15.4	54.0

**Table 72: FSK 250Kbps FHSS, 902.5~927.5MHz, Test mode, Radiated Emission, Vertical, CH 915**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.532778	24.49	40.00	15.51	1000.0	120.000	V	25.0
125.563333	18.56	43.50	24.94	1000.0	120.000	V	19.1
845.141667	28.10	46.00	17.90	1000.0	120.000	V	29.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2773.310000	40.0	1000.0	1000.000	V	-5.4	34.0	74.0
4318.720000	45.6	1000.0	1000.000	V	1.2	28.4	74.0
8139.470000	49.0	1000.0	1000.000	V	5.8	25.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2773.310000	29.4	1000.0	1000.000	V	-5.4	24.7	54.0
4318.720000	35.3	1000.0	1000.000	V	1.2	18.7	54.0
8139.470000	38.6	1000.0	1000.000	V	5.8	15.4	54.0

**Table 73: FSK 250Kbps FHSS, 902.5~927.5MHz, Test mode, Radiated Emission, Horizontal, CH 927.5**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.160000	24.63	40.00	15.37	1000.0	120.000	H	25.2
117.360000	18.69	43.50	24.81	1000.0	120.000	H	19.4
895.489444	39.69	46.00	6.31	1000.0	120.000	H	29.9

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1854.780000	41.0	1000.0	1000.000	H	-10.2	33.0	74.0
4331.470000	46.0	1000.0	1000.000	H	1.2	28.0	74.0
8077.310000	49.5	1000.0	1000.000	H	5.8	24.6	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1854.780000	35.2	1000.0	1000.000	H	-10.2	18.8	54.0
4331.470000	35.0	1000.0	1000.000	H	1.2	19.0	54.0
8077.310000	38.5	1000.0	1000.000	H	5.8	15.5	54.0

**Table 74: FSK 250Kbps FHSS, 902.5~927.5MHz, Test mode, Radiated Emission, Vertical, CH 927.5**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.160000	24.69	40.00	15.31	1000.0	120.000	V	25.2
127.341667	18.50	43.50	25.00	1000.0	120.000	V	19.0
717.887222	27.61	46.00	18.39	1000.0	120.000	V	27.8

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2782.345000	42.9	1000.0	1000.000	V	-5.5	31.1	74.0
6401.220000	46.8	1000.0	1000.000	V	3.3	27.2	74.0
8018.875000	49.8	1000.0	1000.000	V	5.6	24.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2782.345000	35.0	1000.0	1000.000	V	-5.5	19.1	54.0
6401.220000	35.8	1000.0	1000.000	V	3.3	18.2	54.0
8018.875000	39.1	1000.0	1000.000	V	5.6	14.9	54.0