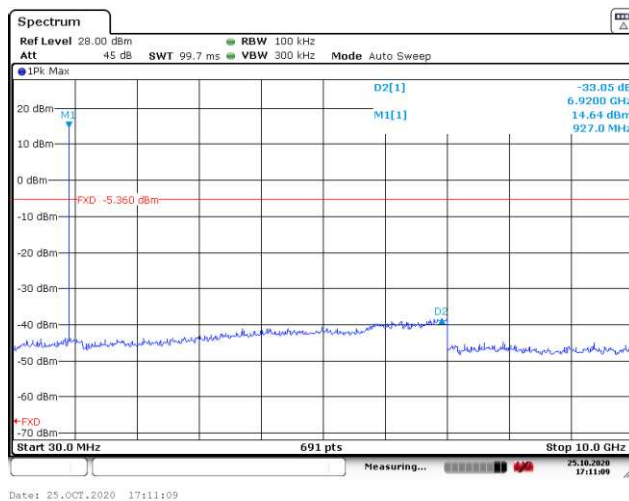
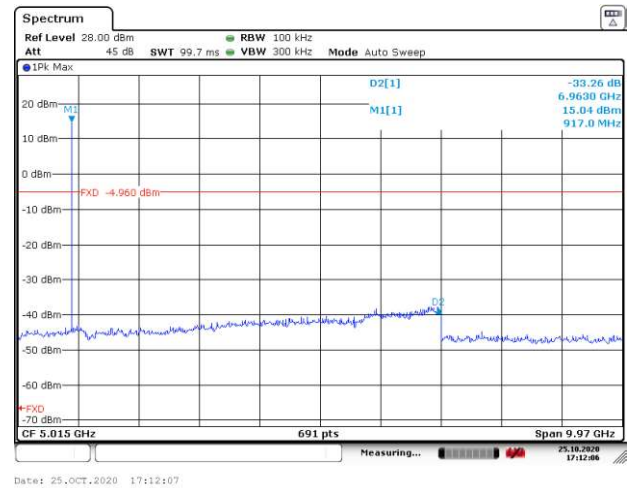
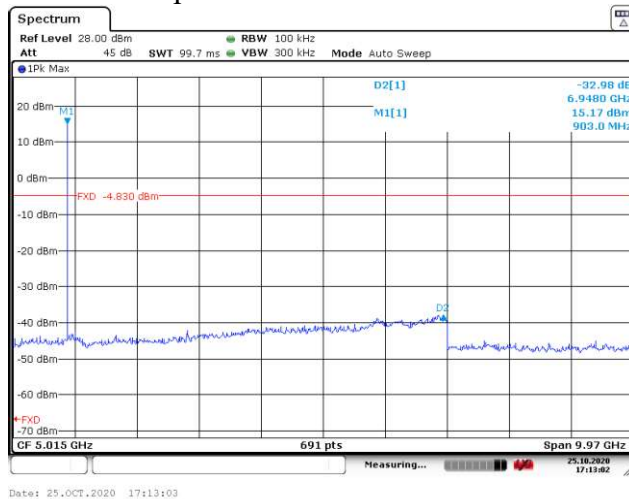


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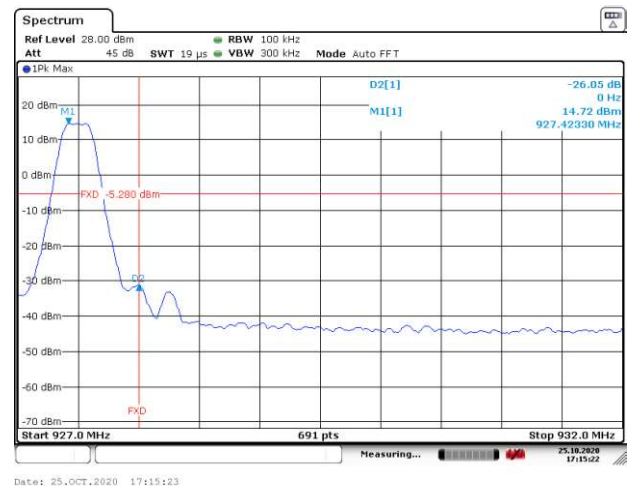
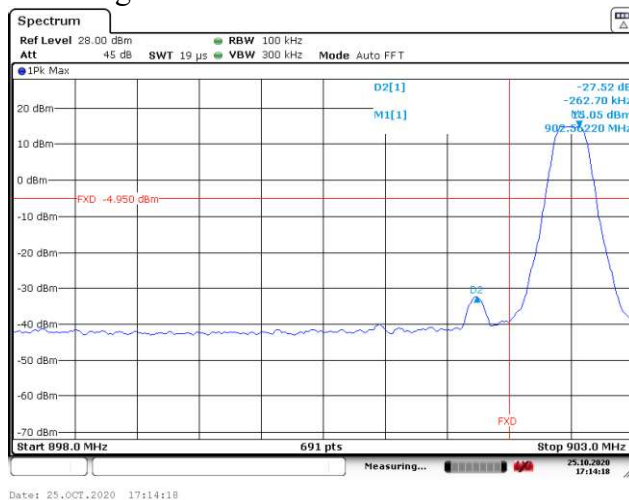
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6. FSK 250Kbps FHSS, Conducted Spurious Emission and Band edge, 902.5MHz~927.5MHz

Conducted Spurious Emission

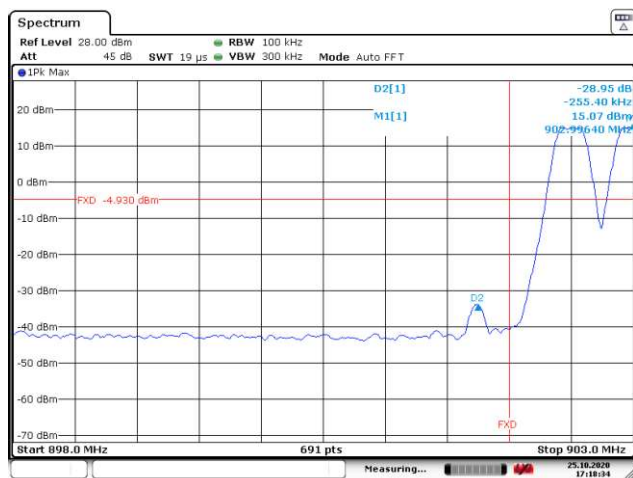


Band edge

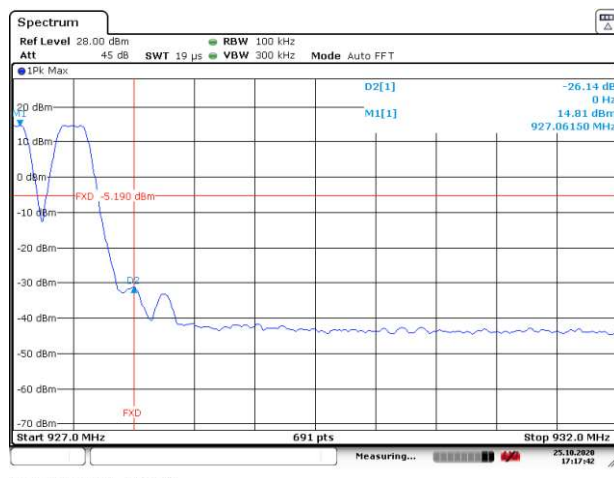


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Date: 25.OCT.2020 17:18:35



Date: 25.OCT.2020 17:17:43

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4.1.8 Carrier Separation Measurement

Result:

Pass

Test Specification

Test standard : FCC Part 15.247(a)(1)
RSS-247 Issue 2 February 2017 Clause 5.1(b)

Basic standard : ANSI C63.10: 2013, clause 7.8.2

Limits : At least 20 dB bandwidth or 25kHz, whichever is greater.

Kind of test site : Shielded Room

Test Setup

Date of testing : 2020.10.25

Input voltage : AC 120V, 60Hz

Operational mode : Mode B

Temperature : 19°C

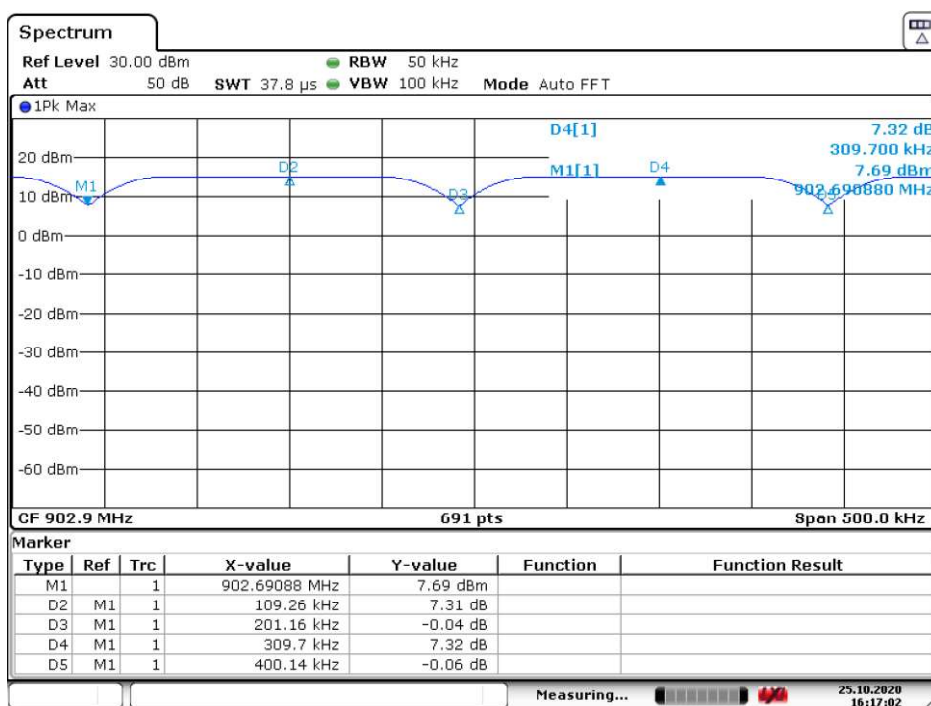
Relative humidity : 56%

Atmospheric pressure : 102.1 kPa

Figure 6: Carrier Separation

- LoRa125kHz FHSS, Carrier Separation, 902.2MHz~927.8MHz

Carrier Separation: 200.44kHz



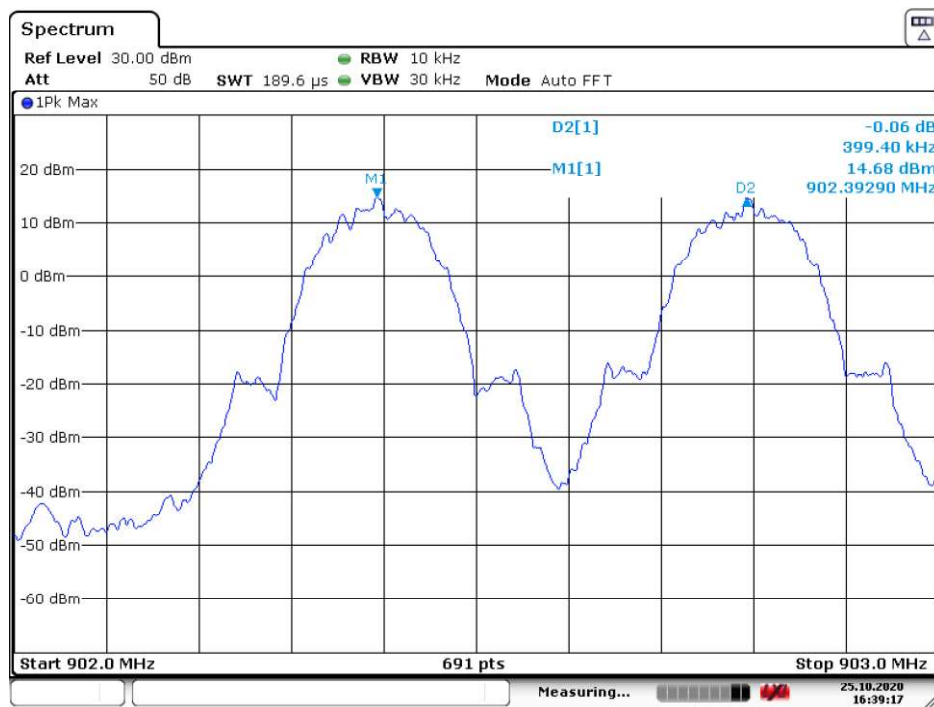
Date: 25.OCT.2020 16:17:03

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2. FSK 150Kbps FHSS, Carrier Separation, 902.4MHz~927.6MHz

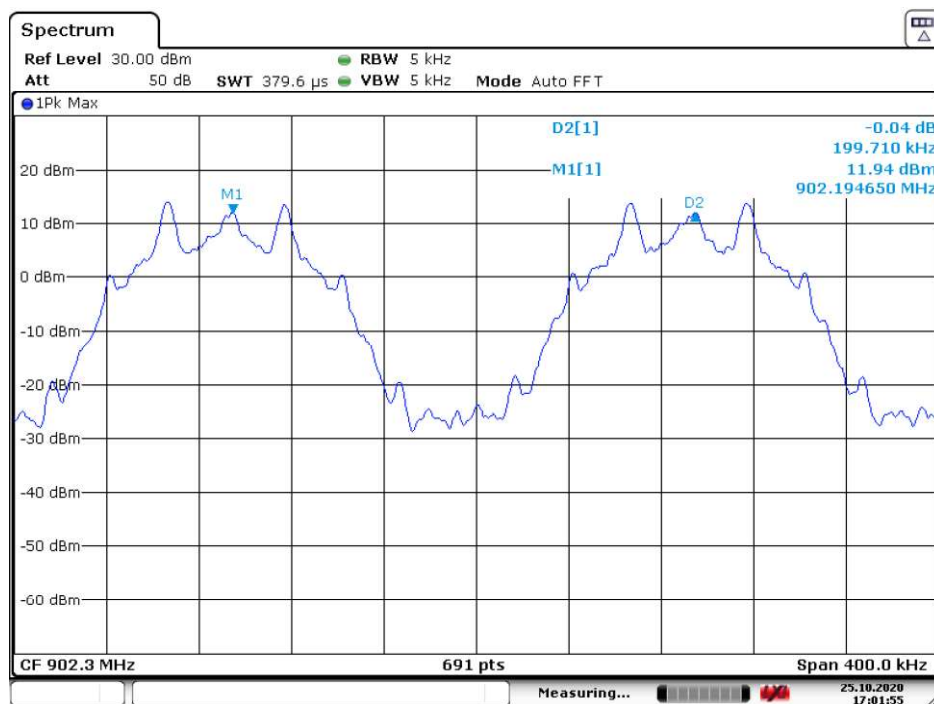
Carrier Separation: 399.40kHz



Date: 25.OCT.2020 16:39:17

3. FSK 50Kbps FHSS, Carrier Separation, 902.2MHz~927.8MHz

Carrier Separation: 199.71kHz



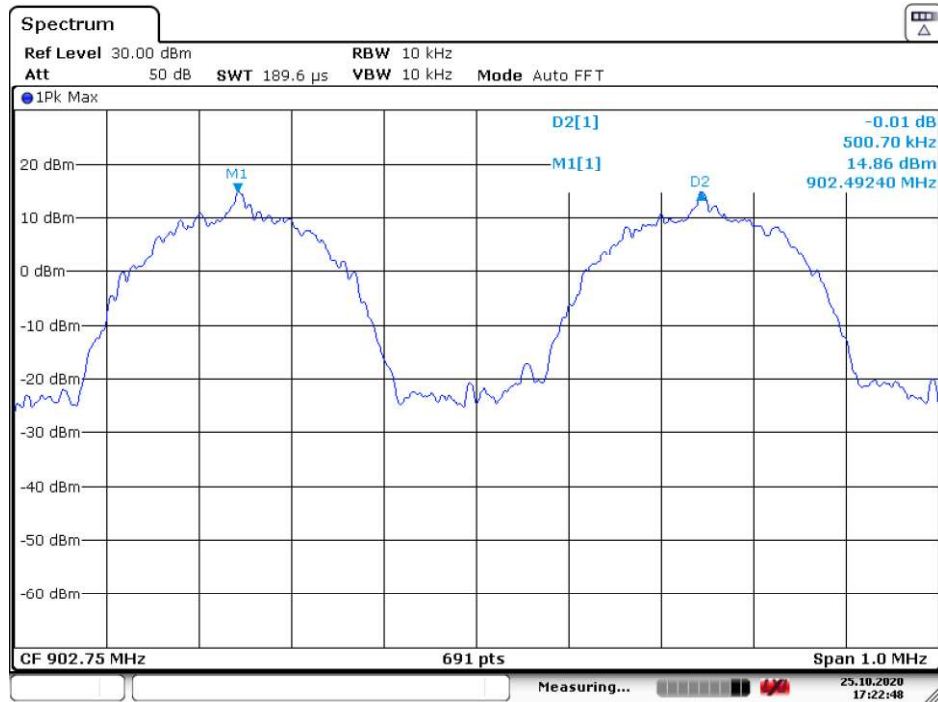
Date: 25.OCT.2020 17:01:56

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4. FSK 250Kbps FHSS, Carrier Separation, 902.5MHz~927.5MHz

Carrier Separation: 500.70kHz



Date: 25.OCT.2020 17:22:49

4.1.9 The number of hopping channels

Result:

Pass

Test Specification

Test standard : FCC Part 15.247(a)(1)(i)
RSS-247 Issue 2 February 2017 Clause 5.1(c)

Basic standard : ANSI C63.10: 2013, clause 7.8.3

Limits : At least 50 for 20dB bandwidth less than 250kHz
At least 25 for 20dB bandwidth at least 250kHz

Kind of test site : Shielded Room

Test Setup

Date of testing : 2020.10.25

Input voltage : AC120V, 60Hz

Operational mode : Mode B

Temperature : 19°C

Relative humidity : 56%

Atmospheric pressure : 102.1 kPa

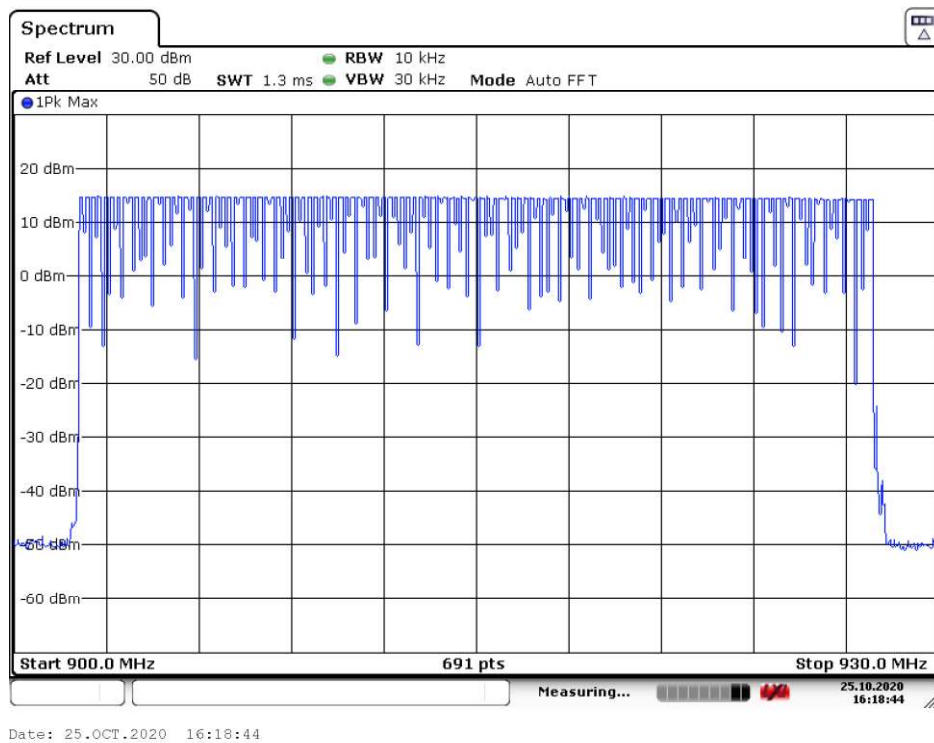
Table 7: Test result of hopping channel number for LoRa FHSS and FSK FHSS

Modulation Type and Operation band	20dB Bandwidth(kHz)	Channel Number	Limit	Result
LoRa 125kHz FHSS 902.2MHz~927.8MHz	20dB Bandwidth < 250	129	50	Pass
FSK 150Kbps FHSS 902.4MHz~927.6MHz	20dB Bandwidth < 250	64	50	Pass
FSK 50Kbps FHSS 902.2MHz~927.8MHz	20dB Bandwidth < 250	129	50	Pass
FSK 250Kbps FHSS 902.5MHz~927.5MHz	250 ≤ 20dB Bandwidth < 500	51	25	Pass

Figure 7: The number of hopping channels

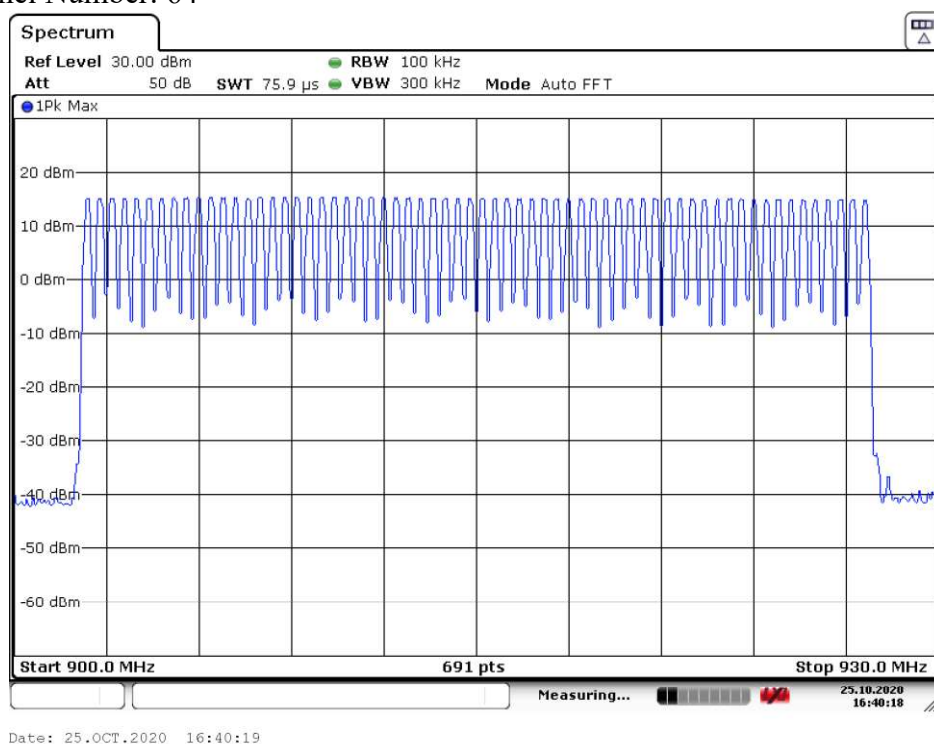
1. LoRa 125kHz FHSS, 902.2MHz~927.8MHz

Channel Number: 129



2. FSK 150Kbps FHSS, 902.4MHz~927.6MHz

Channel Number: 64

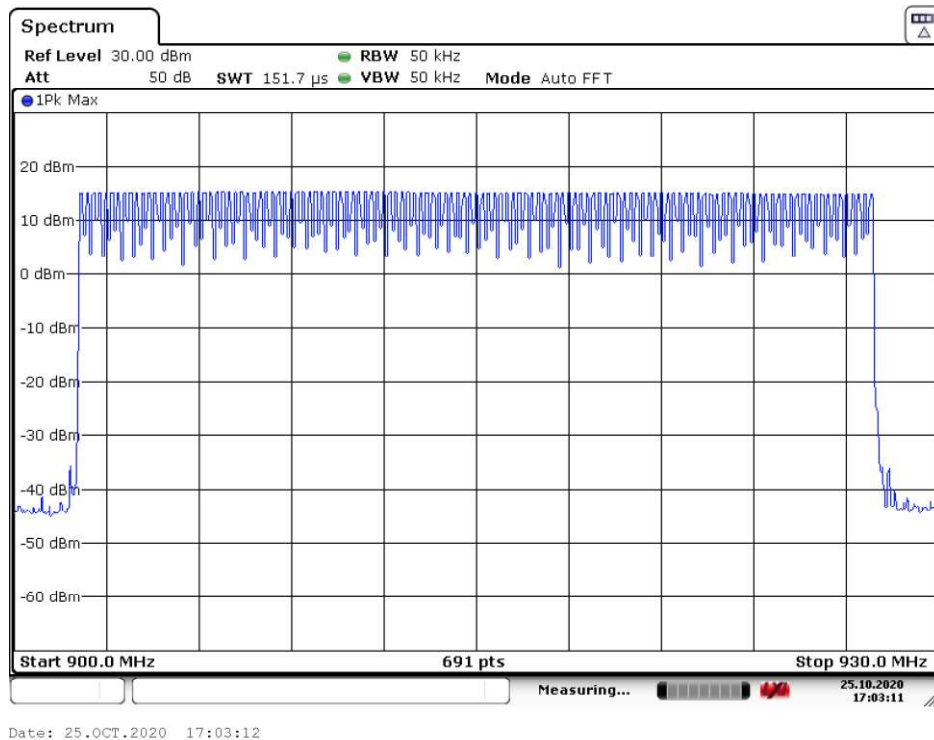


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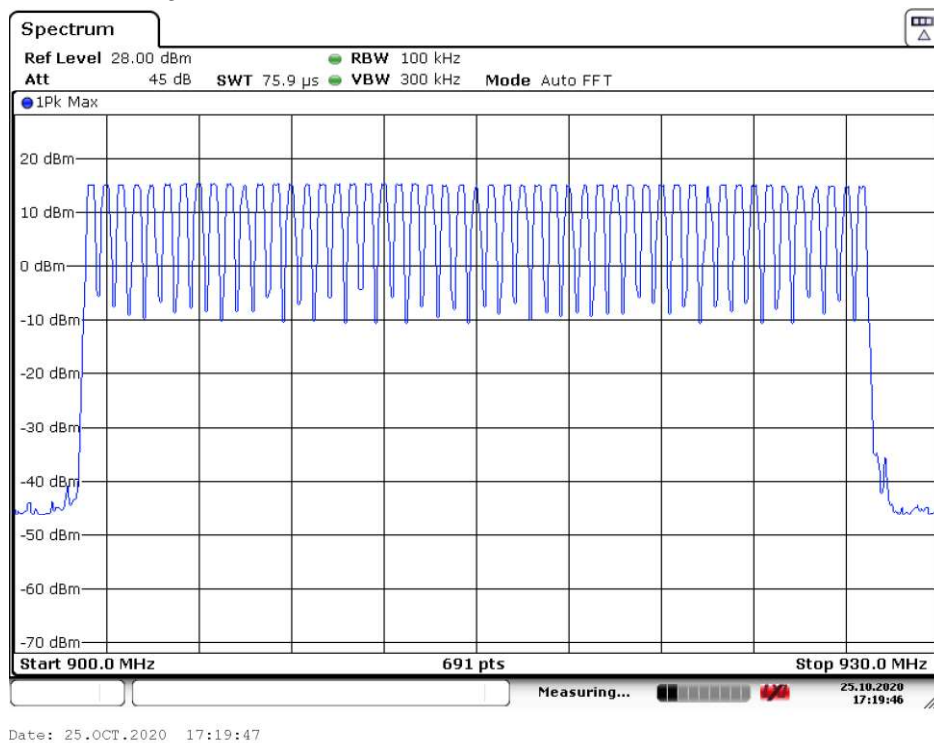
3. FSK 50Kbps FHSS, 902.2MHz~927.8MHz

Channel Number: 129



4. FSK 250Kbps FHSS, 902.5MHz~927.5MHz

Channel Number: 51



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4.1.10 Channel Occupancy Time

Result:

Pass

Test Specification

Test standard : FCC Part 15.247(a)(1)(i)
RSS-247 Issue 2 February 2017 Clause 5.1(c)

Basic standard : ANSI C63.10: 2013, clause 7.8.4

Limits : Not more than 0.4s

Kind of test site : Shielded Room

Test Setup

Date of testing : 2020.10.25

Input voltage : AC120V, 60Hz

Operational mode : Mode B

Temperature : 19°C

Relative humidity : 56%

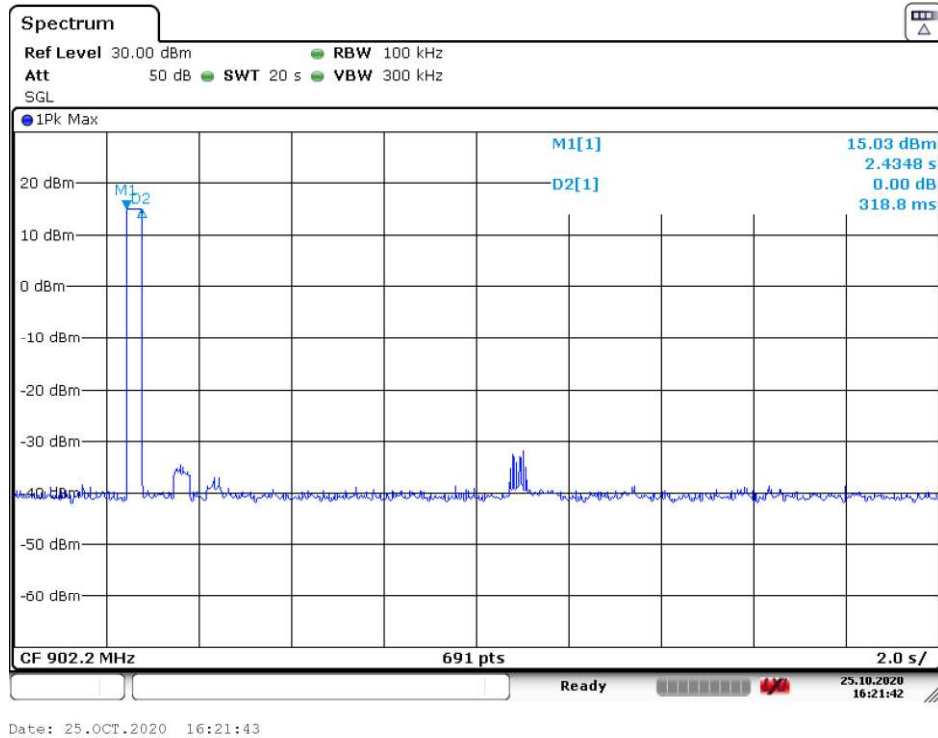
Atmospheric pressure : 102.1 kPa

Table 8: Test result of Channel Occupancy Time for LoRa FHSS and FSK FHSS

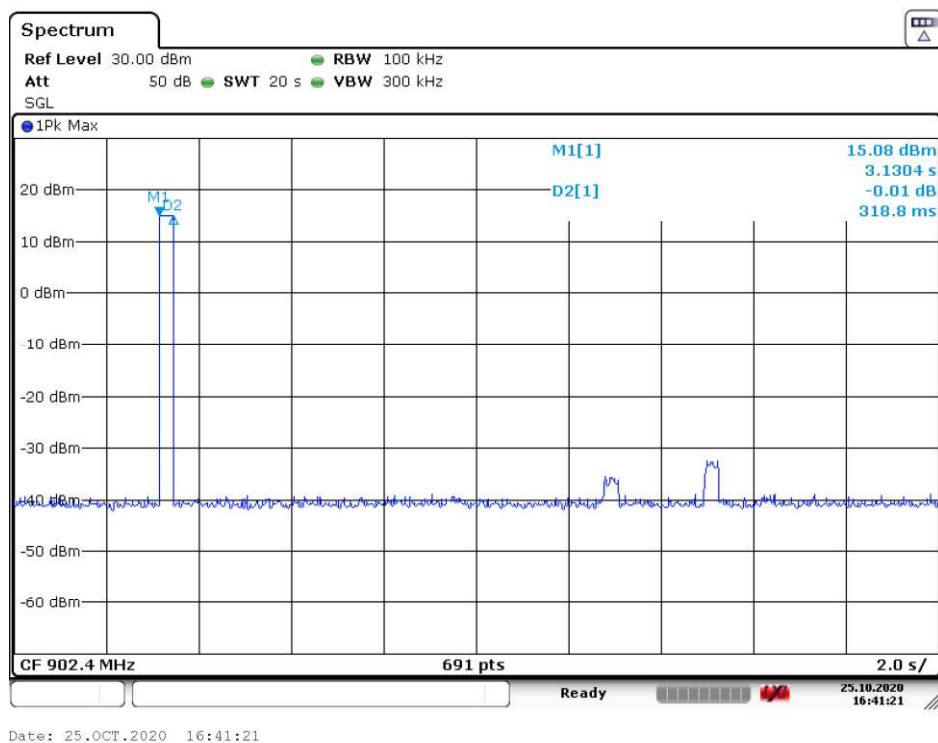
Modulation Type and Operation band	20dB Bandwidth(kHz)	Period (s)	Channel Occupancy Time (ms)	Limit (s)	Result
LoRa 125kHz FHSS 902.2MHz~927.8MHz	20dB Bandwidth < 250	20	318.8	0.4	Pass
FSK 150kbps FHSS 902.4MHz~927.6MHz	20dB Bandwidth < 250	20	318.8	0.4	Pass
FSK 50Kbps FHSS 902.2MHz~927.8MHz	20dB Bandwidth < 250	20	289.9	0.4	Pass
FSK 250Kbps FHSS 902.5MHz~927.5MHz	$250 \leq 20\text{dB Bandwidth} < 500$	10	318.8	0.4	Pass

Figure 8: Channel Occupancy Time

1. LoRa 125kHz FHSS, 902.2MHz~927.8MHz



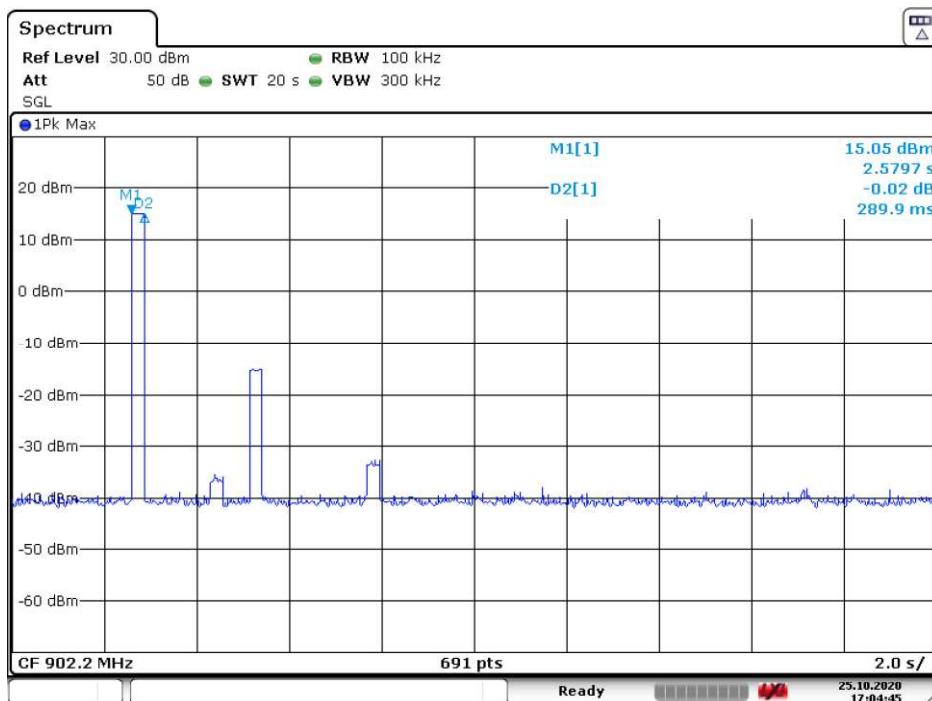
2. FSK 150Kbps FHSS, 902.4MHz~927.6MHz



Prüfbericht - Nr.: CN20RZ9X 001
Test Report No.:

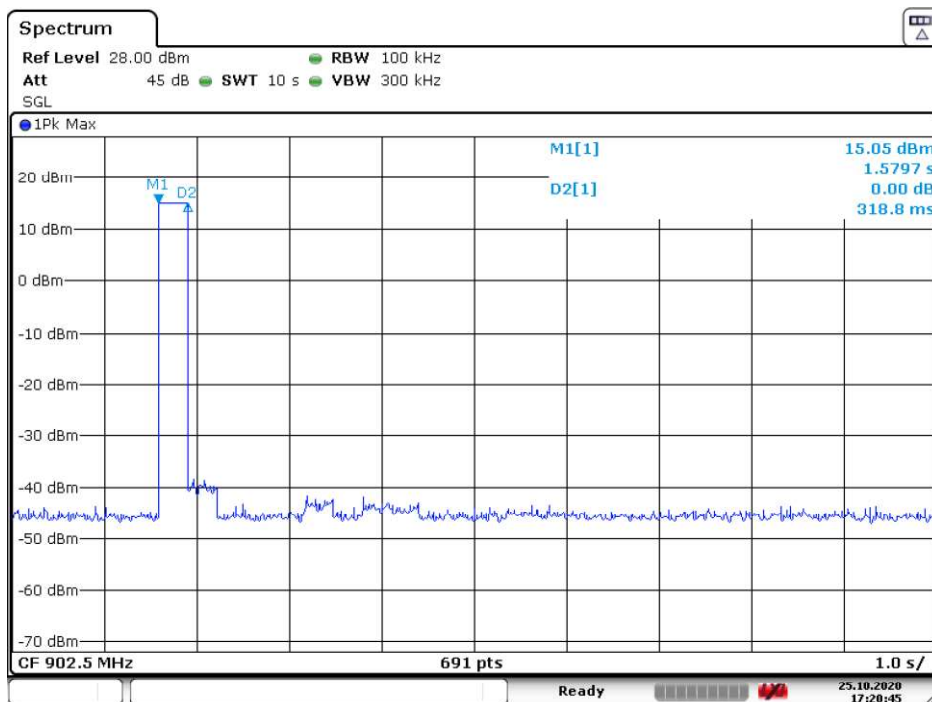
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3. FSK 50Kbps FHSS, 902.2MHz~927.8MHz



Date: 25.OCT.2020 17:04:46

4. FSK 250Kbps FHSS, 902.5MHz~927.5MHz



Date: 25.OCT.2020 17:20:46

Prüfbericht - Nr.: CN20RZ9X 001

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4.1.11 Conducted Emission (AC power-line)

Result:

Pass

Test Specification

Test standard : FCC Part 15.207
RSS-Gen Issue 5 March 2019
FCC part 15, Subpart B:2019
ICES-005:2018

Basic standard : ANSI C63.10: 2013, clause 6.2
ANSI C63.4:2014, clause 7

Port : Mains

Frequency range : 0.15 – 30MHz

Limits : FCC part 15.107(a)
FCC part 15.207(a)
RSS Gen Issue 5 March 2019, table 4
ICES-005:2018, table 2

Kind of test site : 3m Semi-anechoic Chamber

Test Setup

Date of testing : 2020.10.25

Input voltage : AC 120V, 60Hz, AC 230V, 60Hz

Operational mode : Mode C, Mode D

Temperature : 20°C

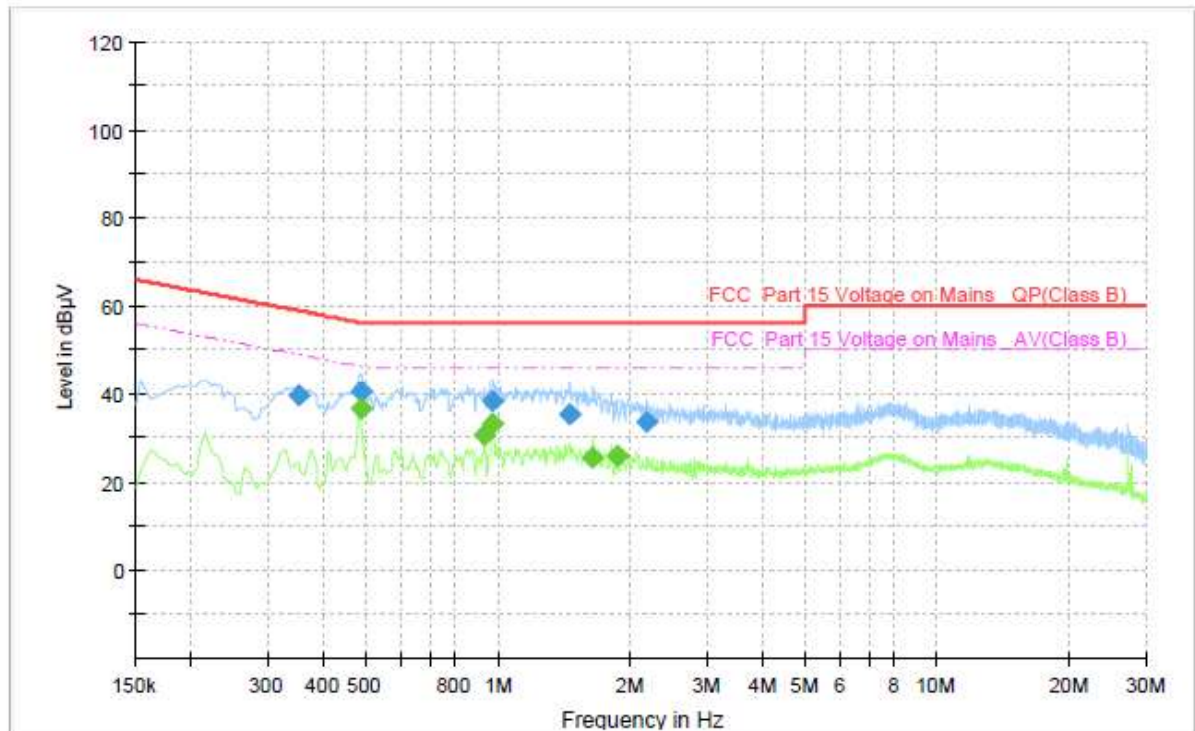
Relative humidity : 52%

Atmospheric pressure : 102.1 kPa

The measurement result is calculated based on the following formula by the test software:
Emission Level = Reading level + Correction (LISN factor + cable loss).

Figure 9: Spectral Diagrams, Conducted Emission, 150kHz - 30MHz, L, AC120V, 60Hz

Full Spectrum

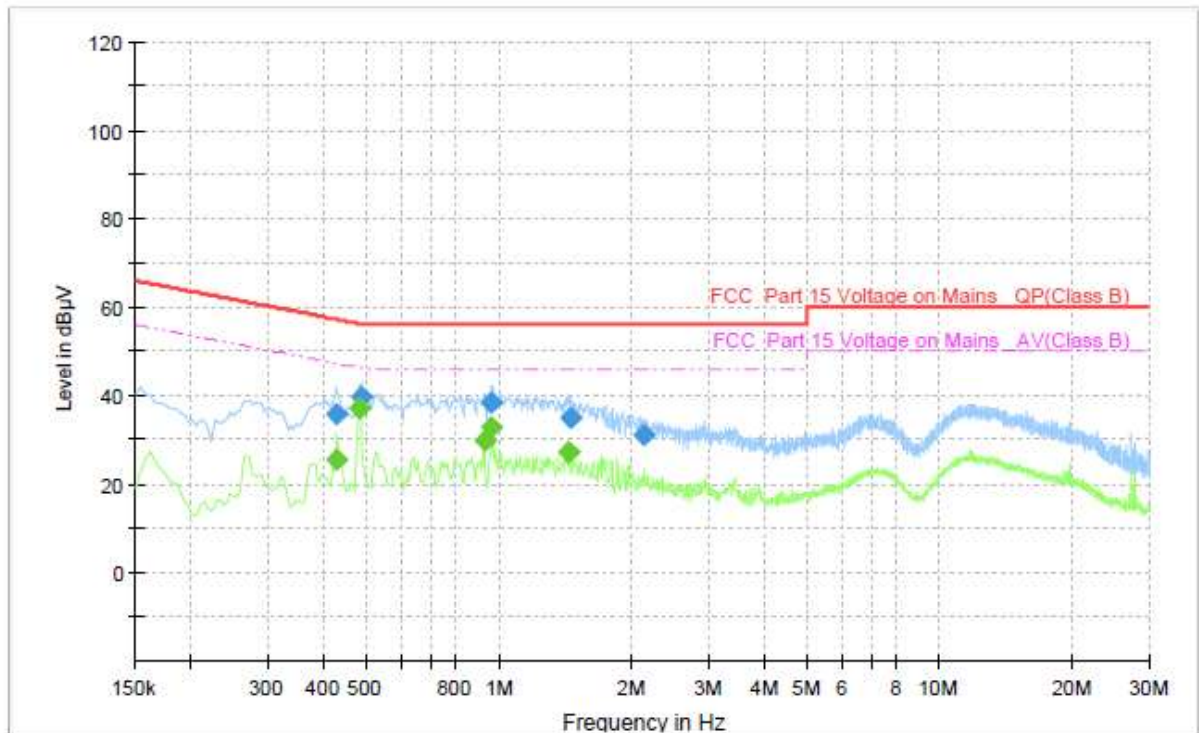


Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.350000	39.72	---	58.96	19.24	1000.0	9.000	L1	ON	9.5
0.486000	---	36.45	46.24	9.78	1000.0	9.000	L1	ON	9.5
0.490000	40.17	---	56.17	15.99	1000.0	9.000	L1	ON	9.5
0.930000	---	30.55	46.00	15.45	1000.0	9.000	L1	ON	9.5
0.970000	---	32.94	46.00	13.06	1000.0	9.000	L1	ON	9.5
0.974000	38.20	---	56.00	17.80	1000.0	9.000	L1	ON	9.5
1.462000	35.21	---	56.00	20.79	1000.0	9.000	L1	ON	9.5
1.650000	---	25.30	46.00	20.70	1000.0	9.000	L1	ON	9.6
1.866000	---	25.81	46.00	20.19	1000.0	9.000	L1	ON	9.6
2.190000	33.69	---	56.00	22.31	1000.0	9.000	L1	ON	9.6

Figure 10: Spectral Diagrams, Conducted Emission, 150kHz - 30MHz, N, AC120V, 60Hz

Full Spectrum

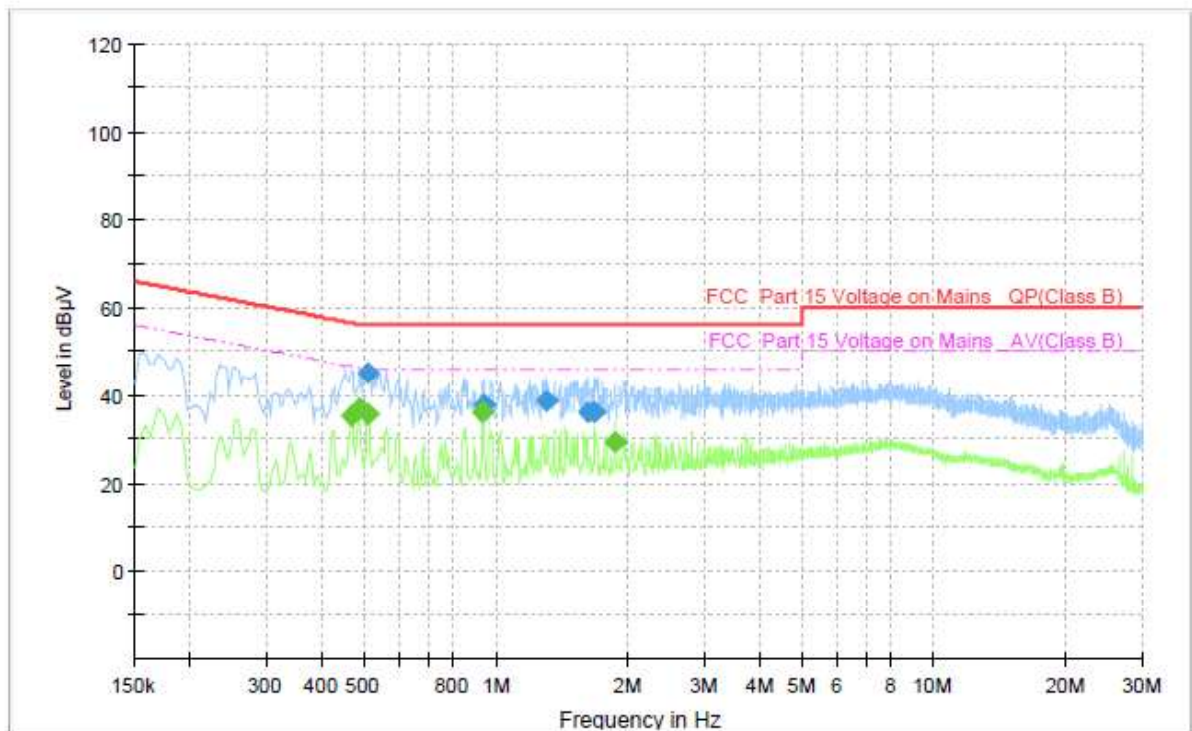


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.430000	---	25.27	47.25	21.98	1000.0	9.000	N	ON	9.5
0.430000	35.67	---	57.25	21.58	1000.0	9.000	N	ON	9.5
0.482000	---	36.99	46.31	9.31	1000.0	9.000	N	ON	9.5
0.486000	39.40	---	56.24	16.83	1000.0	9.000	N	ON	9.5
0.926000	---	29.57	46.00	16.43	1000.0	9.000	N	ON	9.5
0.966000	38.40	---	56.00	17.60	1000.0	9.000	N	ON	9.5
0.966000	---	32.71	46.00	13.29	1000.0	9.000	N	ON	9.5
1.446000	---	27.01	46.00	18.99	1000.0	9.000	N	ON	9.6
1.454000	34.93	---	56.00	21.08	1000.0	9.000	N	ON	9.6
2.126000	30.92	---	56.00	25.08	1000.0	9.000	N	ON	9.6

Figure 11: Spectral Diagrams, Conducted Emission, 150kHz - 30MHz, L, AC230V, 60Hz

Full Spectrum

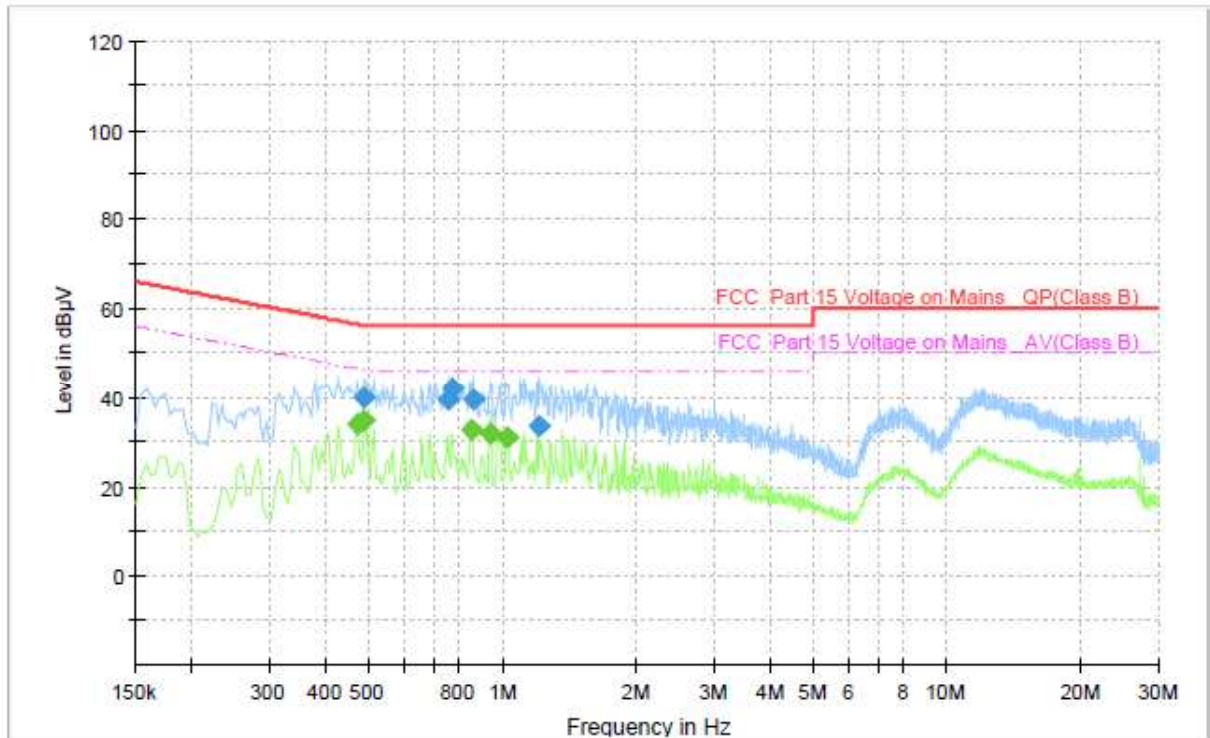


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.466000	---	35.43	46.59	11.15	1000.0	9.000	L1	ON	9.5
0.486000	---	36.75	46.24	9.49	1000.0	9.000	L1	ON	9.5
0.510000	---	35.68	46.00	10.32	1000.0	9.000	L1	ON	9.5
0.510000	44.89	---	56.00	11.11	1000.0	9.000	L1	ON	9.5
0.934000	---	36.14	46.00	9.86	1000.0	9.000	L1	ON	9.5
0.938000	37.83	---	56.00	18.17	1000.0	9.000	L1	ON	9.5
1.310000	38.74	---	56.00	17.26	1000.0	9.000	L1	ON	9.5
1.618000	36.27	---	56.00	19.73	1000.0	9.000	L1	ON	9.6
1.686000	35.97	---	56.00	20.03	1000.0	9.000	L1	ON	9.6
1.870000	---	29.22	46.00	16.78	1000.0	9.000	L1	ON	9.6

Figure 12: Spectral Diagrams, Conducted Emission, 150kHz - 30MHz, N, AC230V, 60Hz

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.470000	---	33.82	46.51	12.69	1000.0	9.000	N	ON	9.5
0.490000	---	34.96	46.17	11.21	1000.0	9.000	N	ON	9.5
0.490000	39.84	---	56.17	16.32	1000.0	9.000	N	ON	9.5
0.754000	39.47	---	56.00	16.53	1000.0	9.000	N	ON	9.5
0.770000	41.91	---	56.00	14.09	1000.0	9.000	N	ON	9.5
0.854000	---	32.78	46.00	13.22	1000.0	9.000	N	ON	9.5
0.858000	39.68	---	56.00	16.32	1000.0	9.000	N	ON	9.5
0.942000	---	31.75	46.00	14.25	1000.0	9.000	N	ON	9.5
1.030000	---	31.06	46.00	14.94	1000.0	9.000	N	ON	9.5
1.202000	33.60	---	56.00	22.40	1000.0	9.000	N	ON	9.5

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:2019 ICES-005:2018
Basic standard	: ANSI C63.10: 2013, clause 6.3 ANSI C63.4:2014, clause 8 KDB 558074 D01 v05r02, clause 8.6
Port	: Enclosure
Frequency range	: 30MHz-10 th Harmonic for intentional radiator 30MHz-1GHz for unintentional radiator
Limits	: FCC part 15.109(a) FCC part 15.209(a) RSS Gen Issue 5 March 2019, table 3, table 5 ICES-005:2018, table 4
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

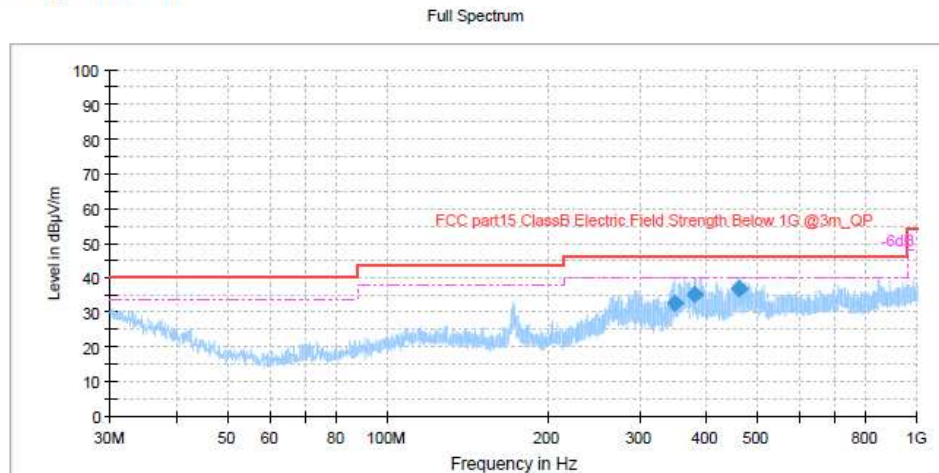
Date of testing	: 2020.10.21-2020.10.23
Input voltage	: AC 120V, 60Hz, AC 230V, 60Hz
Operational mode	: Mode C(AC120V, 60Hz), Mode D(AC 120V ,60Hz, AC 230V, 60Hz, the worst case recorded)
Test channel	: Lo, Mi, Hi
Temperature	: 23°C
Relative humidity	: 56%
Atmospheric pressure	: 102.1 kPa

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 – Preamplifier)

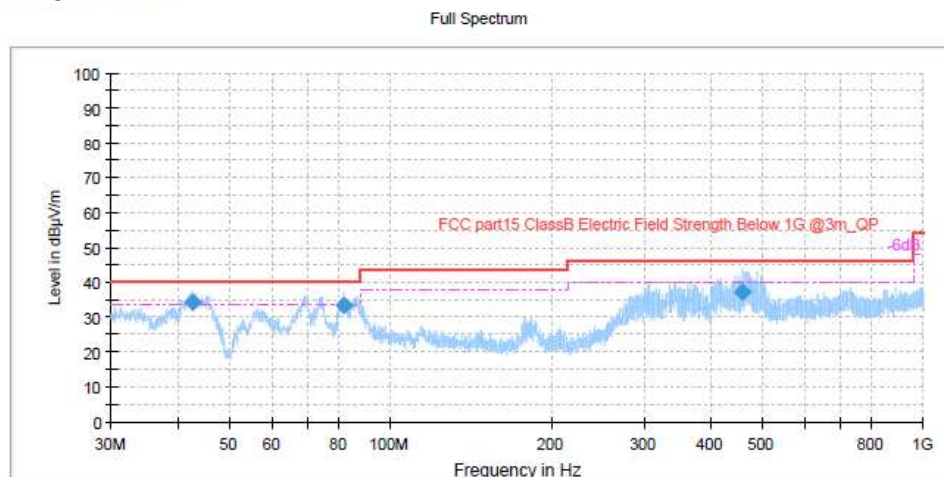
Figure 13: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Horizontal, for Mode D Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
347.571667	32.74	46.00	13.26	1000.0	120.000	104.0	H	125.0	22.2
379.261667	35.27	46.00	10.73	1000.0	120.000	100.0	H	65.0	22.9
462.518333	36.81	46.00	9.19	1000.0	120.000	100.0	H	168.0	25.1

Figure 14: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Vertical, for Mode D 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)
42.603889	34.50	40.00	5.50	1000.0	120.000	104.0	V	319.0	18.4
81.687222	33.53	40.00	6.47	1000.0	120.000	128.0	V	286.0	14.2
458.102778	37.35	46.00	8.65	1000.0	120.000	100.0	V	3.0	24.9

Table 9: BLE, Mode C, Radiated Emission, below 1GHz, Horizontal, Channel 0

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
346.347778	33.00	46.00	13.00	1000.0	120.000	104.0	H	129.0	22.1
521.530000	31.82	46.00	14.18	1000.0	120.000	104.0	H	152.0	25.9
846.142778	25.21	46.00	20.79	1000.0	120.000	127.0	H	72.0	29.4

Table 10: BLE, Mode C, Radiated Emission, below 1GHz, Vertical, Channel 0

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.081111	32.26	40.00	7.74	1000.0	120.000	104.0	V	110.0	17.0
434.377778	27.87	46.00	18.13	1000.0	120.000	146.0	V	-5.0	24.6
845.412778	25.40	46.00	20.60	1000.0	120.000	104.0	V	304.0	29.4

Table 11: BLE, Mode C, Radiated Emission, below 1GHz, Horizontal, Channel 19

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
438.555000	33.26	46.00	12.74	1000.0	120.000	100.0	H	149.0	24.6
497.872778	34.46	46.00	11.54	1000.0	120.000	100.0	H	147.0	25.6
845.117222	25.14	46.00	20.86	1000.0	120.000	150.0	H	345.0	29.4

Table 12: BLE, Mode C, Radiated Emission, below 1GHz, Vertical, Channel 19

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.042778	32.60	40.00	7.40	1000.0	120.000	100.0	V	13.0	17.0
293.741667	33.58	46.00	12.42	1000.0	120.000	111.0	V	179.0	20.8
845.546667	25.39	46.00	20.61	1000.0	120.000	150.0	V	186.0	29.4

Table 13: BLE, Mode C, Radiated Emission, below 1GHz, Horizontal, Channel 39

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
423.231667	31.86	46.00	14.14	1000.0	120.000	104.0	H	158.0	24.6
461.776111	32.30	46.00	13.70	1000.0	120.000	104.0	H	116.0	25.1
513.700556	34.19	46.00	11.81	1000.0	120.000	100.0	H	133.0	25.8

Table 14: BLE, Mode C, Radiated Emission, below 1GHz, Vertical, Channel 39

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.741667	32.86	40.00	7.14	1000.0	120.000	100.0	V	316.0	16.7
55.735556	31.38	40.00	8.62	1000.0	120.000	108.0	V	302.0	13.4
428.759444	33.61	46.00	12.39	1000.0	120.000	121.0	V	340.0	24.6

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Table 15: LoRa 500KHz DTS, 902.5~926.5 MHz, Mode C, Radiated Emission, Horizontal, CH 902.5

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
457.383333	41.97	46.00	4.03	1000.0	120.000	H	24.9
483.397778	41.90	46.00	4.10	1000.0	120.000	H	25.6
934.465000	42.54	46.00	3.46	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)
1804.845000	45.6	1000.0	1000.000	H	-8.9	28.4	74.0
6317.810000	49.1	1000.0	1000.000	H	5.4	24.9	74.0
8818.935000	47.2	1000.0	1000.000	H	9.2	26.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.845000	43.3	1000.0	1000.000	H	-8.9	10.7	54.0
6317.810000	44.2	1000.0	1000.000	H	5.4	9.8	54.0
8818.935000	36.8	1000.0	1000.000	H	9.2	17.2	54.0

Table 16: LoRa 500KHz DTS, 902.5~926.5 MHz, Mode C, Radiated Emission, Vertical, CH 902.5

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
45.147222	34.38	40.00	5.62	1000.0	120.000	V	17.0
436.370000	37.62	46.00	8.38	1000.0	120.000	V	24.6
480.192222	41.01	46.00	4.99	1000.0	120.000	V	25.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1805.375000	49.7	1000.0	1000.000	V	-8.9	24.3	74.0
8071.470000	46.4	1000.0	1000.000	V	8.1	27.6	74.0
9198.780000	48.0	1000.0	1000.000	V	9.3	26.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1805.375000	48.3	1000.0	1000.000	V	-8.9	5.7	54.0
8071.470000	35.5	1000.0	1000.000	V	8.1	18.5	54.0
9198.780000	37.1	1000.0	1000.000	V	9.3	16.9	54.0

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Table 17: LoRa 500KHz DTS, 902.5~926.5 MHz, Mode C, Radiated Emission, Horizontal, CH 914.5

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
172.365000	37.72	43.50	5.78	1000.0	120.000	H	16.8
365.370556	39.45	46.00	6.55	1000.0	120.000	H	22.7
460.701667	41.04	46.00	4.96	1000.0	120.000	H	25.0

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1828.750000	49.3	1000.0	1000.000	H	-8.7	24.7	74.0
4572.655000	50.8	1000.0	1000.000	H	2.2	23.2	74.0
9277.935000	48.4	1000.0	1000.000	H	9.4	25.6	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1828.750000	47.8	1000.0	1000.000	H	-8.7	6.2	54.0
4572.655000	48.0	1000.0	1000.000	H	2.2	6.0	54.0
9277.935000	38.0	1000.0	1000.000	H	9.4	16.0	54.0

Table 18: LoRa 500KHz DTS, 902.5~926.5 MHz, Mode C, Radiated Emission, Vertical, CH 914.5

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
341.770556	43.95	46.00	2.05	1000.0	120.000	V	21.9
412.512778	43.60	46.00	2.40	1000.0	120.000	V	24.3
460.738333	43.10	46.00	2.90	1000.0	120.000	V	25.0

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1829.280000	52.2	1000.0	1000.000	V	-8.7	21.8	74.0
4573.185000	53.2	1000.0	1000.000	V	2.2	20.8	74.0
8917.750000	47.9	1000.0	1000.000	V	9.2	26.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.280000	51.1	1000.0	1000.000	V	-8.7	2.9	54.0
4573.185000	51.2	1000.0	1000.000	V	2.2	2.8	54.0
8917.750000	37.3	1000.0	1000.000	V	9.2	16.7	54.0

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Table 19: LoRa 500KHz DTS, 902.5~926.5 MHz, Mode C, Radiated Emission, Horizontal, CH 926.5

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
351.722778	38.75	46.00	7.25	1000.0	120.000	H	22.3
379.706667	39.66	46.00	6.34	1000.0	120.000	H	22.9
451.027778	39.74	46.00	6.26	1000.0	120.000	H	24.7

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1852.655000	46.3	1000.0	1000.000	H	-8.6	27.7	74.0
5558.125000	48.5	1000.0	1000.000	H	4.0	25.5	74.0
9285.905000	47.9	1000.0	1000.000	H	9.4	26.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1852.655000	43.8	1000.0	1000.000	H	-8.6	10.2	54.0
5558.125000	43.3	1000.0	1000.000	H	4.0	10.7	54.0
9285.905000	37.6	1000.0	1000.000	H	9.4	16.4	54.0

Table 20: LoRa 500KHz DTS, 902.5~926.5 MHz, Mode C, Radiated Emission, Vertical, CH 926.5

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
342.888333	42.38	46.00	3.62	1000.0	120.000	V	22.0
405.682778	42.06	46.00	3.94	1000.0	120.000	V	24.0
487.145556	43.31	46.00	2.69	1000.0	120.000	V	25.6

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1853.185000	48.4	1000.0	1000.000	V	-8.6	25.6	74.0
4633.750000	44.8	1000.0	1000.000	V	2.3	29.2	74.0
9264.655000	49.0	1000.0	1000.000	V	9.4	25.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1853.185000	46.8	1000.0	1000.000	V	-8.6	7.2	54.0
4633.750000	37.8	1000.0	1000.000	V	2.3	16.2	54.0
9264.655000	38.9	1000.0	1000.000	V	9.4	15.1	54.0

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Table 21: LoRa 125KHz FHSS, 902.2~927.8MHz, Mode C, Radiated Emission, Horizontal, CH 902.2

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
427.155000	39.80	46.00	6.20	1000.0	120.000	H	24.6
464.663333	40.92	46.00	5.08	1000.0	120.000	H	25.2
934.207778	44.05	46.00	1.95	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)
1804.310000	47.1	1000.0	1000.000	H	-8.9	26.9	74.0
4510.500000	47.6	1000.0	1000.000	H	2.0	26.4	74.0
6315.155000	50.3	1000.0	1000.000	H	5.4	23.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	45.2	1000.0	1000.000	H	-8.9	8.8	54.0
4510.500000	43.4	1000.0	1000.000	H	2.0	10.7	54.0
6315.155000	46.1	1000.0	1000.000	H	5.4	7.9	54.0

Table 22: LoRa 125KHz FHSS, 902.2~927.8MHz, Mode C, Radiated Emission, Vertical, CH 902.2

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
45.741667	32.99	40.00	7.01	1000.0	120.000	V	16.7
414.060000	40.12	46.00	5.88	1000.0	120.000	V	24.4
476.392222	41.13	46.00	4.87	1000.0	120.000	V	25.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.310000	49.3	1000.0	1000.000	V	-8.9	24.7	74.0
6315.155000	50.2	1000.0	1000.000	V	5.4	23.8	74.0
9359.750000	47.9	1000.0	1000.000	V	9.4	26.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	47.8	1000.0	1000.000	V	-8.9	6.2	54.0
6315.155000	45.9	1000.0	1000.000	V	5.4	8.1	54.0
9359.750000	37.4	1000.0	1000.000	V	9.4	16.6	54.0

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Table 23: LoRa 125KHz FHSS, 902.2~927.8MHz, Mode C, Radiated Emission, Horizontal, CH 915

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
423.813889	38.09	46.00	7.91	1000.0	120.000	H	24.6
482.172222	38.67	46.00	7.33	1000.0	120.000	H	25.6
518.778333	38.49	46.00	7.51	1000.0	120.000	H	25.9

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1829.810000	47.6	1000.0	1000.000	H	-8.7	26.4	74.0
4575.310000	49.9	1000.0	1000.000	H	2.2	24.1	74.0
8837.000000	47.3	1000.0	1000.000	H	9.2	26.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.810000	45.5	1000.0	1000.000	H	-8.7	8.5	54.0
4575.310000	46.6	1000.0	1000.000	H	2.2	7.4	54.0
8837.000000	36.7	1000.0	1000.000	H	9.2	17.3	54.0

Table 24: LoRa 125KHz FHSS, 902.2~927.8MHz, Mode C, Radiated Emission, Vertical, CH 915

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
56.103889	34.40	40.00	5.60	1000.0	120.000	V	13.4
426.386667	34.58	46.00	11.42	1000.0	120.000	V	24.6
522.147222	38.95	46.00	7.05	1000.0	120.000	V	25.9

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1829.810000	50.8	1000.0	1000.000	V	-8.7	23.2	74.0
4574.780000	52.0	1000.0	1000.000	V	2.2	22.0	74.0
9390.560000	47.4	1000.0	1000.000	V	9.4	26.6	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.810000	49.6	1000.0	1000.000	V	-8.7	4.4	54.0
4574.780000	49.8	1000.0	1000.000	V	2.2	4.2	54.0
9390.560000	37.2	1000.0	1000.000	V	9.4	16.8	54.0

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Table 25: LoRa 125KHz FHSS, 902.2~927.8MHz, Mode C, Radiated Emission, Horizontal, CH 927.8

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.320000	21.43	40.00	18.57	1000.0	120.000	H	25.1
429.686111	35.81	46.00	10.19	1000.0	120.000	H	24.6
506.465556	37.65	46.00	8.35	1000.0	120.000	H	25.7

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1855.845000	45.5	1000.0	1000.000	H	-8.5	28.5	74.0
7768.125000	46.1	1000.0	1000.000	H	7.6	27.9	74.0
9080.310000	47.8	1000.0	1000.000	H	9.3	26.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1855.845000	42.8	1000.0	1000.000	H	-8.5	11.2	54.0
7768.125000	35.2	1000.0	1000.000	H	7.6	18.8	54.0
9080.310000	36.6	1000.0	1000.000	H	9.3	17.4	54.0

Table 26: LoRa 125KHz FHSS, 902.2~927.8MHz, Mode C, Radiated Emission, Vertical, CH 927.8

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
45.220000	32.56	40.00	7.44	1000.0	120.000	V	16.9
55.592778	34.87	40.00	5.13	1000.0	120.000	V	13.5
477.038889	36.48	46.00	9.52	1000.0	120.000	V	25.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1855.310000	44.0	1000.0	1000.000	V	-8.5	30.0	74.0
7325.595000	46.7	1000.0	1000.000	V	7.3	27.3	74.0
9277.405000	48.7	1000.0	1000.000	V	9.4	25.3	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1855.310000	41.3	1000.0	1000.000	V	-8.5	12.7	54.0
7325.595000	35.1	1000.0	1000.000	V	7.3	18.9	54.0
9277.405000	39.6	1000.0	1000.000	V	9.4	14.4	54.0

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Table 27: FSK 150Kbps FHSS, 902.4~927.6MHz, Mode C, Radiated Emission, Horizontal, CH 902.4

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
458.720000	42.26	46.00	3.74	1000.0	120.000	H	24.9
482.203333	42.47	46.00	3.53	1000.0	120.000	H	25.6
934.357222	43.48	46.00	2.52	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)
4511.560000	47.6	1000.0	1000.000	H	2.1	26.4	74.0
6317.280000	49.8	1000.0	1000.000	H	5.4	24.2	74.0
9187.095000	47.8	1000.0	1000.000	H	9.3	26.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4511.560000	42.5	1000.0	1000.000	H	2.1	11.5	54.0
6317.280000	45.5	1000.0	1000.000	H	5.4	8.5	54.0
9187.095000	37.4	1000.0	1000.000	H	9.3	16.6	54.0

Table 28: FSK 150Kbps FHSS, 902.4~927.6MHz, Mode C, Radiated Emission, Vertical, CH 902.4

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
55.563333	34.72	40.00	5.28	1000.0	120.000	V	13.5
476.797222	42.61	46.00	3.39	1000.0	120.000	V	25.4
504.525556	35.05	46.00	10.95	1000.0	120.000	V	25.7

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.310000	48.6	1000.0	1000.000	V	-8.9	25.4	74.0
4512.095000	46.7	1000.0	1000.000	V	2.1	27.3	74.0
6316.750000	50.8	1000.0	1000.000	V	5.4	23.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	47.1	1000.0	1000.000	V	-8.9	6.9	54.0
4512.095000	41.6	1000.0	1000.000	V	2.1	12.4	54.0
6316.750000	46.4	1000.0	1000.000	V	5.4	7.6	54.0

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Table 29: FSK 150Kbps FHSS, 902.4~927.6MHz, Mode C, Radiated Emission, Horizontal, CH 914.8

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
335.302222	37.73	46.00	8.27	1000.0	120.000	H	21.6
441.449444	37.10	46.00	8.90	1000.0	120.000	H	24.6
515.777778	38.89	46.00	7.11	1000.0	120.000	H	25.8

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1829.280000	45.4	1000.0	1000.000	H	-8.7	28.6	74.0
4574.250000	49.6	1000.0	1000.000	H	2.2	24.4	74.0
9437.310000	47.3	1000.0	1000.000	H	9.5	26.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.280000	42.3	1000.0	1000.000	H	-8.7	11.7	54.0
4574.250000	45.3	1000.0	1000.000	H	2.2	8.7	54.0
9437.310000	36.9	1000.0	1000.000	H	9.5	17.1	54.0

Table 30: FSK 150Kbps FHSS, 902.4~927.6MHz, Mode C, Radiated Emission, Vertical, CH 914.8

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
55.711111	35.72	40.00	4.28	1000.0	120.000	V	13.4
337.228333	36.03	46.00	9.97	1000.0	120.000	V	21.7
499.621667	36.24	46.00	9.76	1000.0	120.000	V	25.6

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1829.280000	51.0	1000.0	1000.000	V	-8.7	23.0	74.0
4574.250000	52.1	1000.0	1000.000	V	2.2	21.9	74.0
9266.780000	47.8	1000.0	1000.000	V	9.4	26.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.280000	49.8	1000.0	1000.000	V	-8.7	4.2	54.0
4574.250000	49.9	1000.0	1000.000	V	2.2	4.1	54.0
9266.780000	37.3	1000.0	1000.000	V	9.4	16.7	54.0

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Table 31: FSK 150Kbps FHSS, 902.4~927.6MHz, Mode C, Radiated Emission, Horizontal, CH 927.6

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
30.265000	21.50	40.00	18.50	1000.0	120.000	H	25.1
424.756111	37.44	46.00	8.56	1000.0	120.000	H	24.6
510.898333	38.05	46.00	7.95	1000.0	120.000	H	25.8

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1854.780000	45.5	1000.0	1000.000	H	-8.5	28.5	74.0
2782.345000	45.5	1000.0	1000.000	H	-3.1	28.5	74.0
9256.155000	47.8	1000.0	1000.000	H	9.4	26.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1854.780000	42.9	1000.0	1000.000	H	-8.5	11.1	54.0
2782.345000	41.2	1000.0	1000.000	H	-3.1	12.8	54.0
9256.155000	38.1	1000.0	1000.000	H	9.4	15.9	54.0

Table 32: FSK 150Kbps FHSS, 902.4~927.6MHz, Mode C, Radiated Emission, Vertical, CH 927.6

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
55.768333	34.74	40.00	5.26	1000.0	120.000	V	13.4
335.017222	36.27	46.00	9.73	1000.0	120.000	V	21.6
509.966667	36.40	46.00	9.60	1000.0	120.000	V	25.8

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1854.780000	45.2	1000.0	1000.000	V	-8.5	28.8	74.0
4638.000000	48.5	1000.0	1000.000	V	2.4	25.5	74.0
9274.220000	48.3	1000.0	1000.000	V	9.4	25.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1854.780000	42.5	1000.0	1000.000	V	-8.5	11.5	54.0
4638.000000	44.1	1000.0	1000.000	V	2.4	9.9	54.0
9274.220000	37.8	1000.0	1000.000	V	9.4	16.2	54.0

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Table 33: FSK 50Kbps FHSS, 902.2~927.8MHz, Mode C, Radiated Emission, Horizontal, CH 902.2

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
450.475000	40.47	46.00	5.53	1000.0	120.000	H	24.7
458.866111	43.46	46.00	2.54	1000.0	120.000	H	24.9
471.142222	41.56	46.00	4.44	1000.0	120.000	H	25.3

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.310000	46.8	1000.0	1000.000	H	-8.9	27.2	74.0
6315.685000	50.6	1000.0	1000.000	H	5.4	23.4	74.0
9377.280000	47.2	1000.0	1000.000	H	9.4	26.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	44.6	1000.0	1000.000	H	-8.9	9.4	54.0
6315.685000	46.4	1000.0	1000.000	H	5.4	7.6	54.0
9377.280000	37.1	1000.0	1000.000	H	9.4	16.9	54.0

Table 34: FSK 50Kbps FHSS, 902.2~927.8MHz, Mode C, Radiated Emission, Vertical, CH 902.2

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
58.782778	35.04	40.00	4.96	1000.0	120.000	V	13.1
435.749444	37.24	46.00	8.76	1000.0	120.000	V	24.6
476.654444	41.11	46.00	4.89	1000.0	120.000	V	25.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.310000	50.4	1000.0	1000.000	V	-8.9	23.6	74.0
6315.685000	50.3	1000.0	1000.000	V	5.4	23.7	74.0
9274.220000	48.2	1000.0	1000.000	V	9.4	25.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	49.3	1000.0	1000.000	V	-8.9	4.7	54.0
6315.685000	45.8	1000.0	1000.000	V	5.4	8.2	54.0
9274.220000	37.5	1000.0	1000.000	V	9.4	16.5	54.0

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Table 35: FSK 50Kbps FHSS, 902.2~927.8MHz, Mode C, Radiated Emission, Horizontal, CH 915

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
430.035556	38.87	46.00	7.13	1000.0	120.000	H	24.6
476.543333	38.48	46.00	7.52	1000.0	120.000	H	25.4
488.423333	38.44	46.00	7.56	1000.0	120.000	H	25.6

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1829.810000	48.5	1000.0	1000.000	H	-8.7	25.5	74.0
4575.310000	50.0	1000.0	1000.000	H	2.2	24.0	74.0
9328.935000	48.7	1000.0	1000.000	H	9.4	25.3	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.810000	46.7	1000.0	1000.000	H	-8.7	7.3	54.0
4575.310000	46.8	1000.0	1000.000	H	2.2	7.2	54.0
9328.935000	37.3	1000.0	1000.000	H	9.4	16.7	54.0

Table 36: FSK 50Kbps FHSS, 902.2~927.8MHz, Mode C, Radiated Emission, Vertical, CH 915

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
55.427778	36.80	40.00	3.20	1000.0	120.000	V	13.5
487.281111	37.83	46.00	8.17	1000.0	120.000	V	25.6
506.543889	34.26	46.00	11.74	1000.0	120.000	V	25.7

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1829.810000	50.5	1000.0	1000.000	V	-8.7	23.5	74.0
4574.780000	52.2	1000.0	1000.000	V	2.2	21.9	74.0
9200.905000	48.3	1000.0	1000.000	V	9.3	25.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.810000	49.3	1000.0	1000.000	V	-8.7	4.7	54.0
4574.780000	49.8	1000.0	1000.000	V	2.2	4.2	54.0
9200.905000	37.4	1000.0	1000.000	V	9.3	16.6	54.0

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Table 37: FSK 50Kbps FHSS, 902.2~927.8MHz, Mode C, Radiated Emission, Horizontal, CH 927.8

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
337.145000	33.43	46.00	12.57	1000.0	120.000	H	21.7
431.907778	37.14	46.00	8.86	1000.0	120.000	H	24.6
519.145000	37.32	46.00	8.68	1000.0	120.000	H	25.9

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1855.310000	44.9	1000.0	1000.000	H	-8.5	29.1	74.0
5566.625000	47.2	1000.0	1000.000	H	4.0	26.8	74.0
8189.935000	46.0	1000.0	1000.000	H	8.2	28.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1855.310000	41.7	1000.0	1000.000	H	-8.5	12.3	54.0
5566.625000	41.1	1000.0	1000.000	H	4.0	12.9	54.0

Table 38: FSK 50Kbps FHSS, 902.2~927.8MHz, Mode C, Radiated Emission, Vertical, CH 927.8

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
55.591111	35.77	40.00	4.23	1000.0	120.000	V	13.5
423.059444	34.22	46.00	11.78	1000.0	120.000	V	24.6
480.597222	36.11	46.00	9.89	1000.0	120.000	V	25.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1855.310000	44.4	1000.0	1000.000	V	-8.5	29.7	74.0
6947.875000	46.4	1000.0	1000.000	V	6.8	27.7	74.0
9216.845000	47.8	1000.0	1000.000	V	9.3	26.3	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1855.310000	40.9	1000.0	1000.000	V	-8.5	13.1	54.0
6947.875000	35.6	1000.0	1000.000	V	6.8	18.5	54.0
9216.845000	37.3	1000.0	1000.000	V	9.3	16.7	54.0

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Table 39: FSK 250Kbps FHSS, 902.5~927.5MHz, Mode C, Radiated Emission, Horizontal, CH 902.5

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
461.466667	40.59	46.00	5.41	1000.0	120.000	H	25.0
484.346667	40.56	46.00	5.44	1000.0	120.000	H	25.6
934.465000	42.52	46.00	3.48	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)
1804.845000	46.5	1000.0	1000.000	H	-8.9	27.5	74.0
6317.810000	50.9	1000.0	1000.000	H	5.4	23.2	74.0
9234.905000	47.8	1000.0	1000.000	H	9.3	26.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.845000	44.3	1000.0	1000.000	H	-8.9	9.7	54.0
6317.810000	46.2	1000.0	1000.000	H	5.4	7.8	54.0
9234.905000	37.6	1000.0	1000.000	H	9.3	16.4	54.0

Table 40: FSK 250Kbps FHSS, 902.5~927.5MHz, Mode C, Radiated Emission, Vertical, CH 902.5

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
55.417222	35.14	40.00	4.86	1000.0	120.000	V	13.5
470.130556	42.29	46.00	3.71	1000.0	120.000	V	25.3
495.322778	34.88	46.00	11.12	1000.0	120.000	V	25.6

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1804.845000	49.9	1000.0	1000.000	V	-8.9	24.1	74.0
6317.810000	50.1	1000.0	1000.000	V	5.4	23.9	74.0
9784.220000	48.4	1000.0	1000.000	V	9.9	25.6	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.845000	48.5	1000.0	1000.000	V	-8.9	5.5	54.0
6317.810000	46.2	1000.0	1000.000	V	5.4	7.8	54.0
9784.220000	37.3	1000.0	1000.000	V	9.9	16.7	54.0

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Table 41: FSK 250Kbps FHSS, 902.5~927.5MHz, Mode C, Radiated Emission, Horizontal, CH 915

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
488.803889	38.25	46.00	7.75	1000.0	120.000	H	25.6
519.357222	38.91	46.00	7.09	1000.0	120.000	H	25.9
946.967222	42.26	46.00	3.74	1000.0	120.000	H	30.0

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1829.810000	47.5	1000.0	1000.000	H	-8.7	26.5	74.0
4574.780000	50.6	1000.0	1000.000	H	2.2	23.4	74.0
9222.685000	48.2	1000.0	1000.000	H	9.3	25.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.810000	45.6	1000.0	1000.000	H	-8.7	8.4	54.0
4574.780000	47.1	1000.0	1000.000	H	2.2	6.9	54.0
9222.685000	37.4	1000.0	1000.000	H	9.3	16.6	54.0

Table 42: FSK 250Kbps FHSS, 902.5~927.5MHz, Mode C, Radiated Emission, Vertical, CH 915

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
55.495556	36.05	40.00	3.95	1000.0	120.000	V	13.5
337.023333	38.28	46.00	7.72	1000.0	120.000	V	21.7
499.945000	36.77	46.00	9.23	1000.0	120.000	V	25.6

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1829.810000	50.2	1000.0	1000.000	V	-8.7	23.8	74.0
4574.780000	49.6	1000.0	1000.000	V	2.2	24.5	74.0
9141.935000	47.7	1000.0	1000.000	V	9.3	26.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.810000	48.9	1000.0	1000.000	V	-8.7	5.1	54.0
4574.780000	45.7	1000.0	1000.000	V	2.2	8.3	54.0
9141.935000	36.7	1000.0	1000.000	V	9.3	17.3	54.0

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Table 43: FSK 250Kbps FHSS, 902.5~927.5MHz, Mode C, Radiated Emission, Horizontal, CH 927.5

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
426.357222	37.55	46.00	8.45	1000.0	120.000	H	24.6
503.042778	35.69	46.00	10.31	1000.0	120.000	H	25.7
709.181667	27.41	46.00	18.59	1000.0	120.000	H	27.8

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1854.780000	45.5	1000.0	1000.000	H	-8.5	28.5	74.0
2782.345000	45.9	1000.0	1000.000	H	-3.1	28.1	74.0
9331.060000	48.2	1000.0	1000.000	H	9.4	25.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1854.780000	42.7	1000.0	1000.000	H	-8.5	11.3	54.0
2782.345000	41.1	1000.0	1000.000	H	-3.1	12.9	54.0
9331.060000	37.4	1000.0	1000.000	H	9.4	16.6	54.0

Table 44: FSK 250Kbps FHSS, 902.5~927.5MHz, Mode C, Radiated Emission, Vertical, CH 927.5

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)
55.620556	34.04	40.00	5.96	1000.0	120.000	V	13.5
334.624444	34.75	46.00	11.25	1000.0	120.000	V	21.6
845.760556	26.01	46.00	19.99	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)
1854.780000	44.4	1000.0	1000.000	V	-8.5	29.6	74.0
8033.750000	46.2	1000.0	1000.000	V	8.0	27.8	74.0
9213.125000	48.7	1000.0	1000.000	V	9.3	25.3	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1854.780000	41.1	1000.0	1000.000	V	-8.5	12.9	54.0
8033.750000	35.5	1000.0	1000.000	V	8.0	18.6	54.0
9213.125000	37.6	1000.0	1000.000	V	9.3	16.4	54.0

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