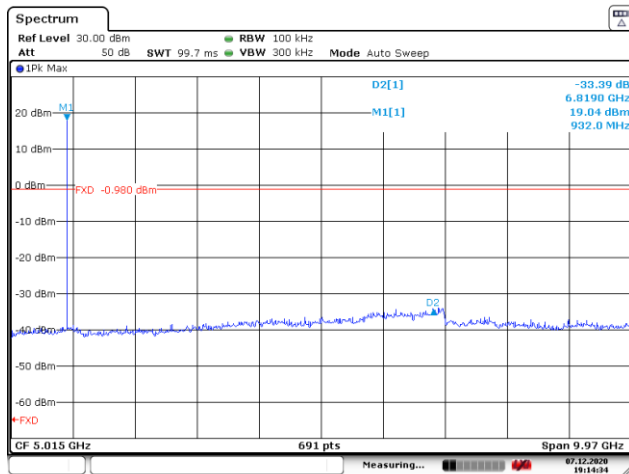


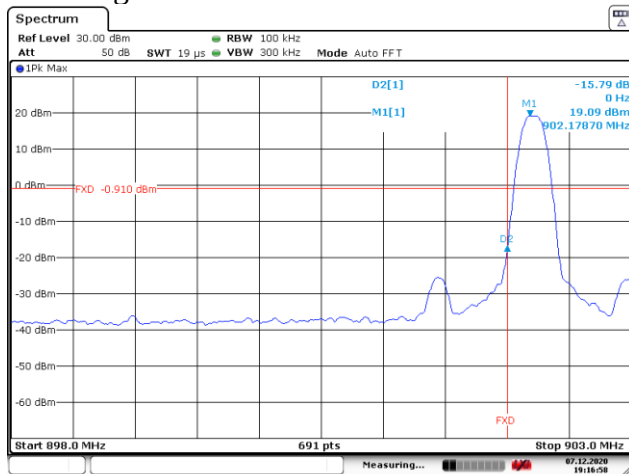
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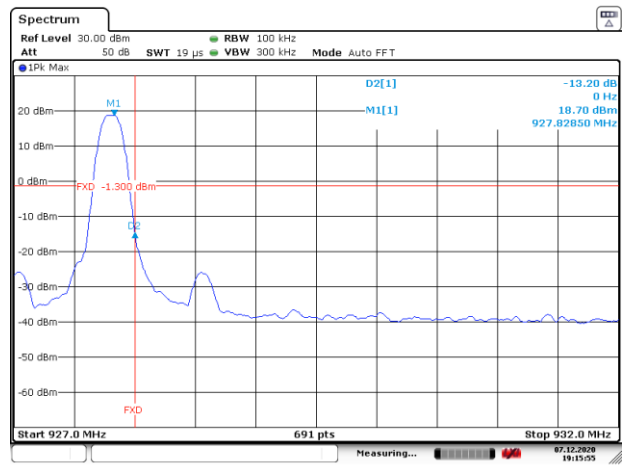


Date: 7.DEC.2020 19:14:34

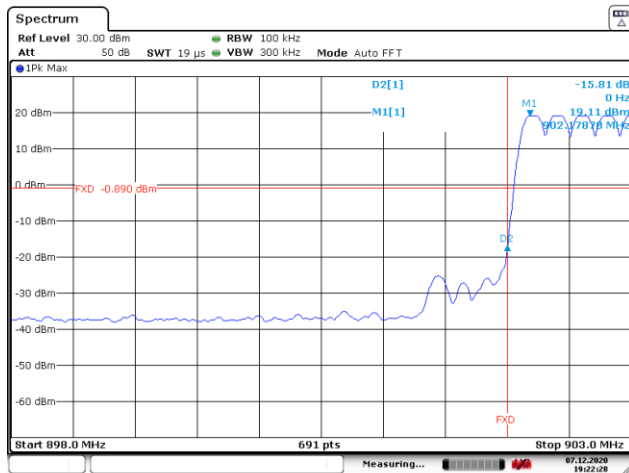
Band edge



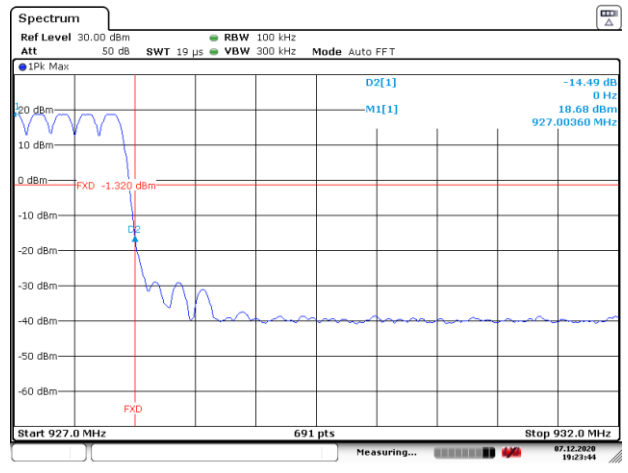
Date: 7.DEC.2020 19:16:58



Date: 7.DEC.2020 19:15:56



Date: 7.DEC.2020 19:22:28



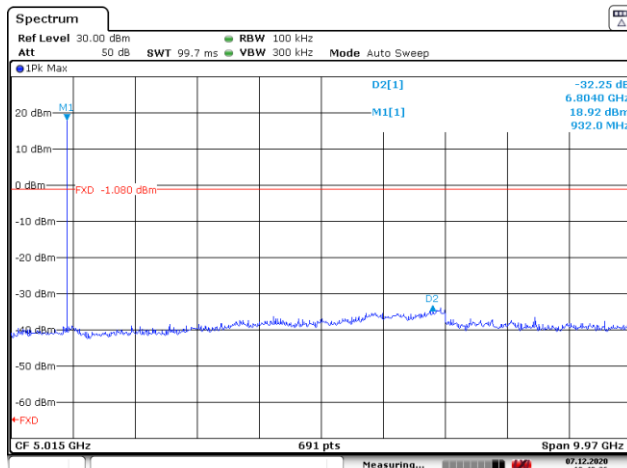
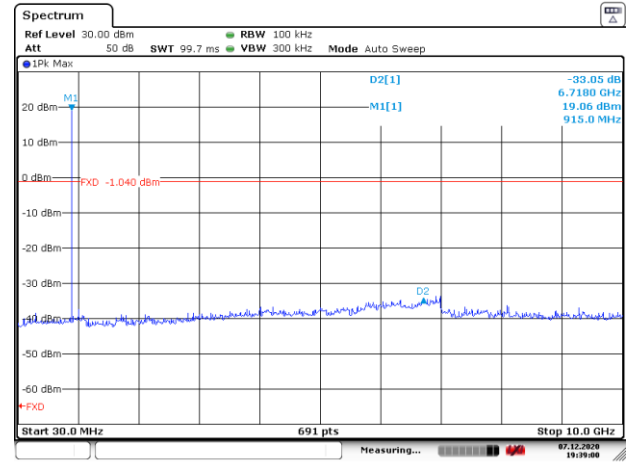
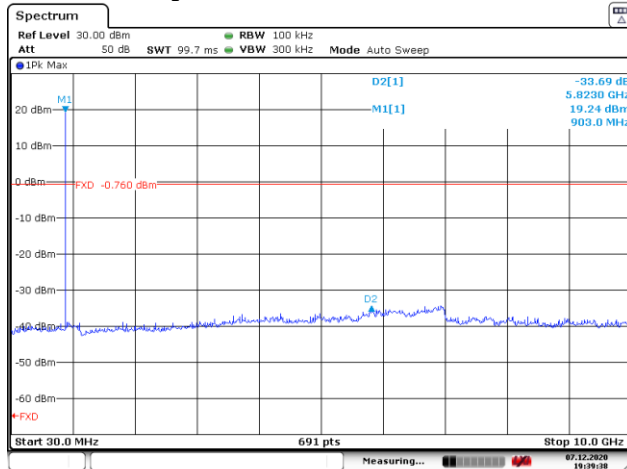
Date: 7.DEC.2020 19:23:44

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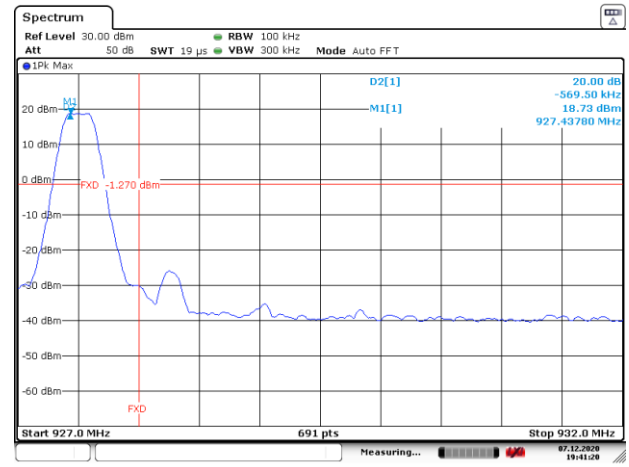
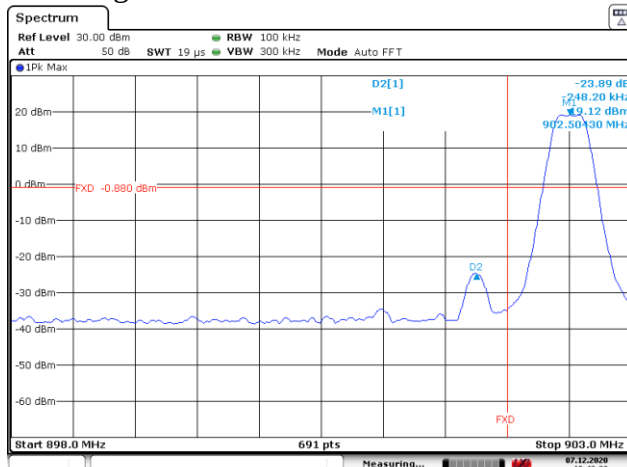
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6. FSK 250Kbps FHSS, Conducted Spurious Emission and Band edge, 902.5MHz~927.5MHz

Conducted Spurious Emission

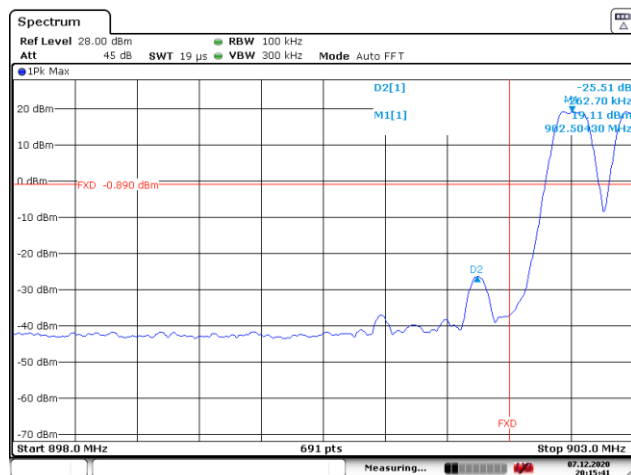


Band edge

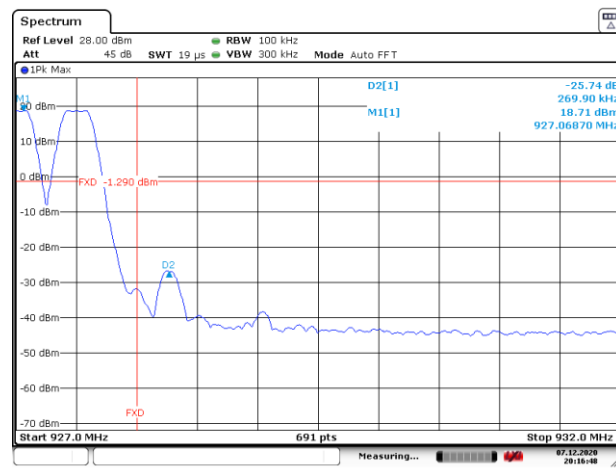


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Date: 7. DEC. 2020 20:15:41



Date: 7. DEC. 2020 20:16:48

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 : 2020.12.07

Input voltage : AC 120V, 60Hz

Operational mode : Mode B

Temperature : 20°C

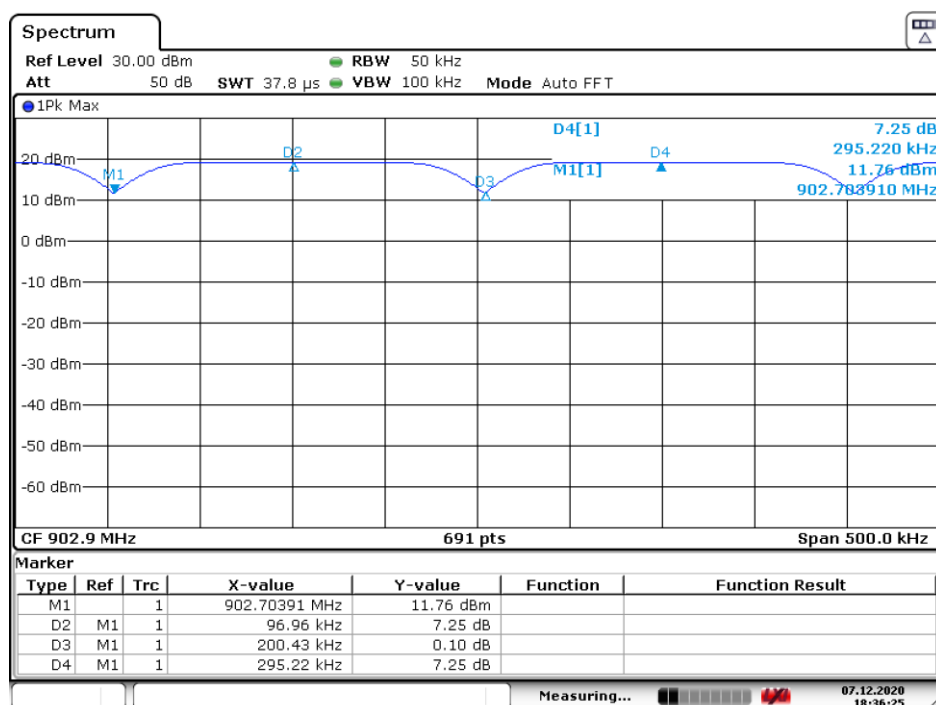
Relative humidity : 55%

Atmospheric pressure : 102.1 kPa

Figure 6: Carrier Separation

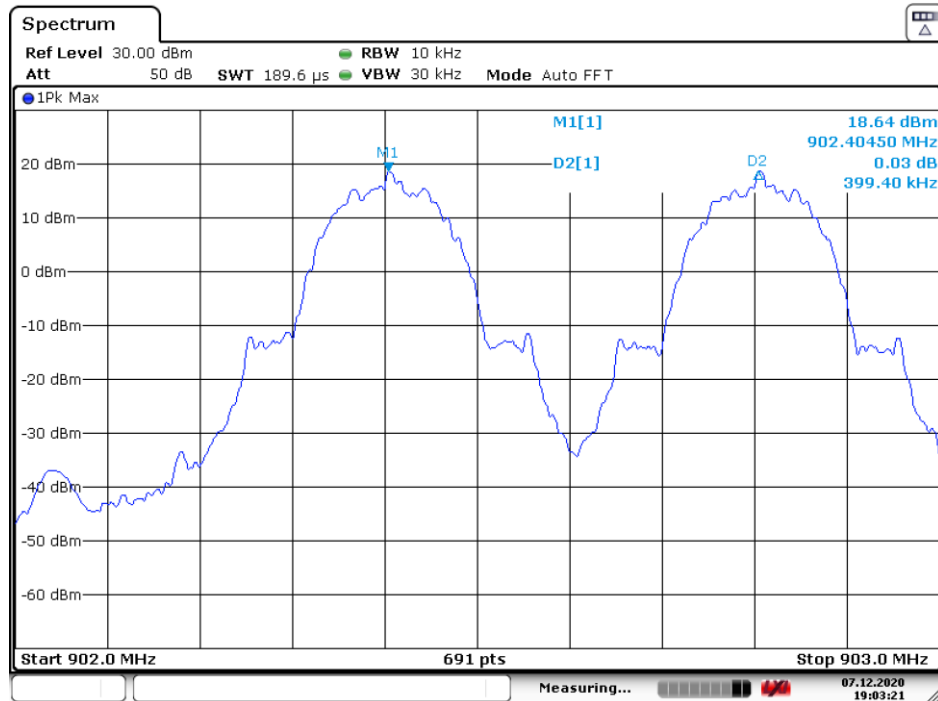
- LoRa125kHz FHSS, Carrier Separation, 902.2MHz~927.8MHz

Carrier Separation: 198.26kHz



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

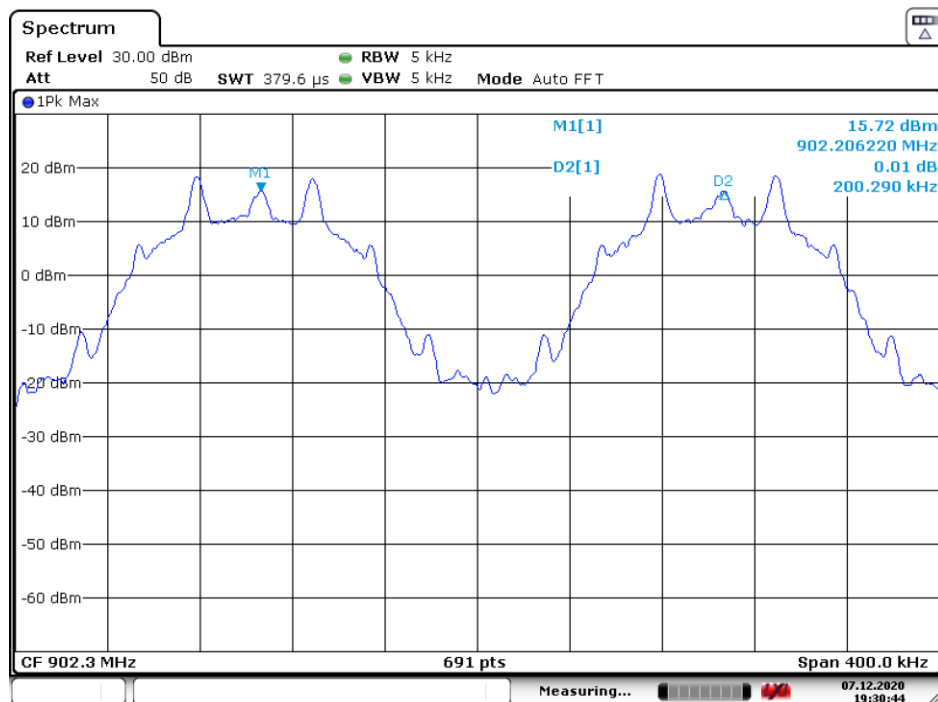
Carrier Separation: 399.40kHz



Date: 7.DEC.2020 19:03:21

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

Carrier Separation: 200.29kHz



Date: 7.DEC.2020 19:30:44

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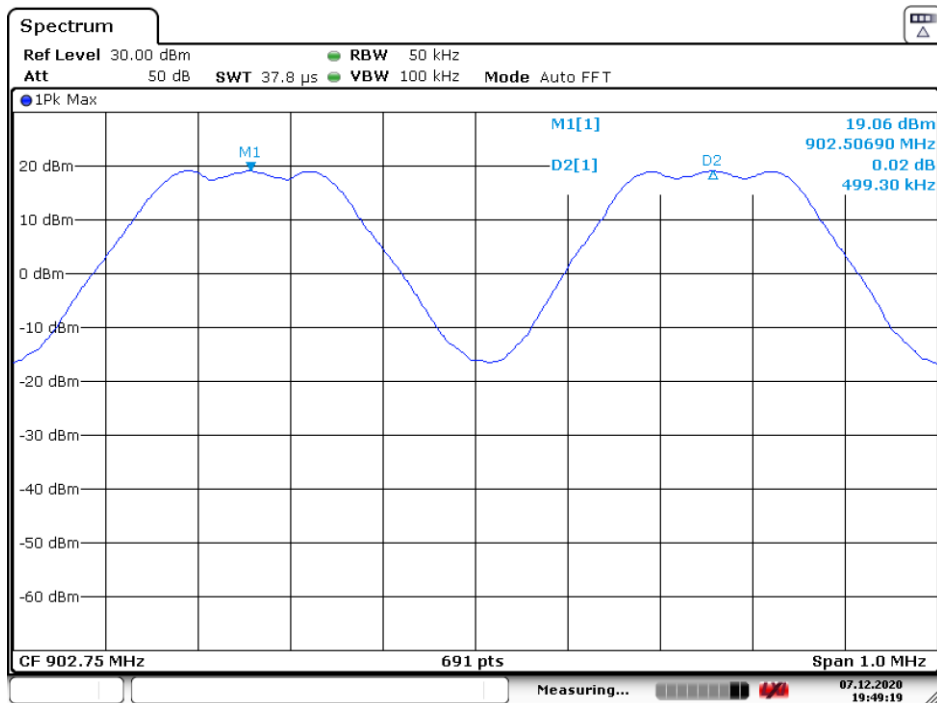
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4. FSK 250Kbps FHSS, Carrier Separation, 902.5MHz~927.5MHz

Carrier Separation: 499.30kHz



Date: 7.DEC.2020 19:49:19

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 : 2020.12.07

Input voltage : AC120V, 60Hz

Operational mode : Mode B

Temperature : 20°C

Relative humidity : 55%

Atmospheric pressure : 102.1 kPa

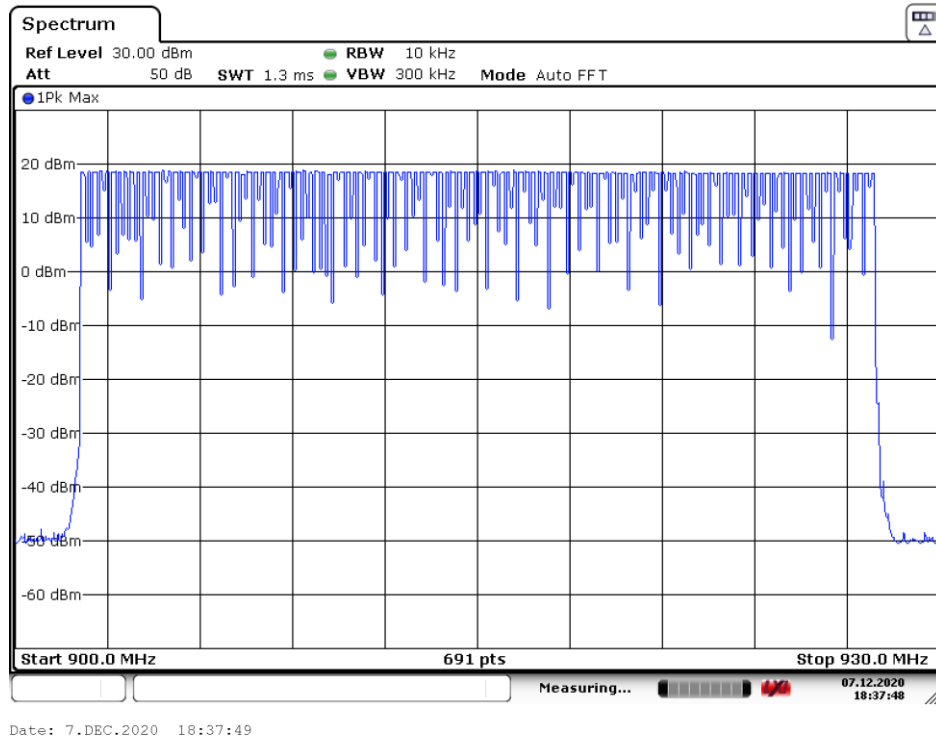
Table 7: Test result of hopping channel number for LoRa FHSS and FSK FHSS

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	$250 \leq 20\text{dB Bandwidth} < 500$	51	25	Pass

Figure 7: The number of hopping channels

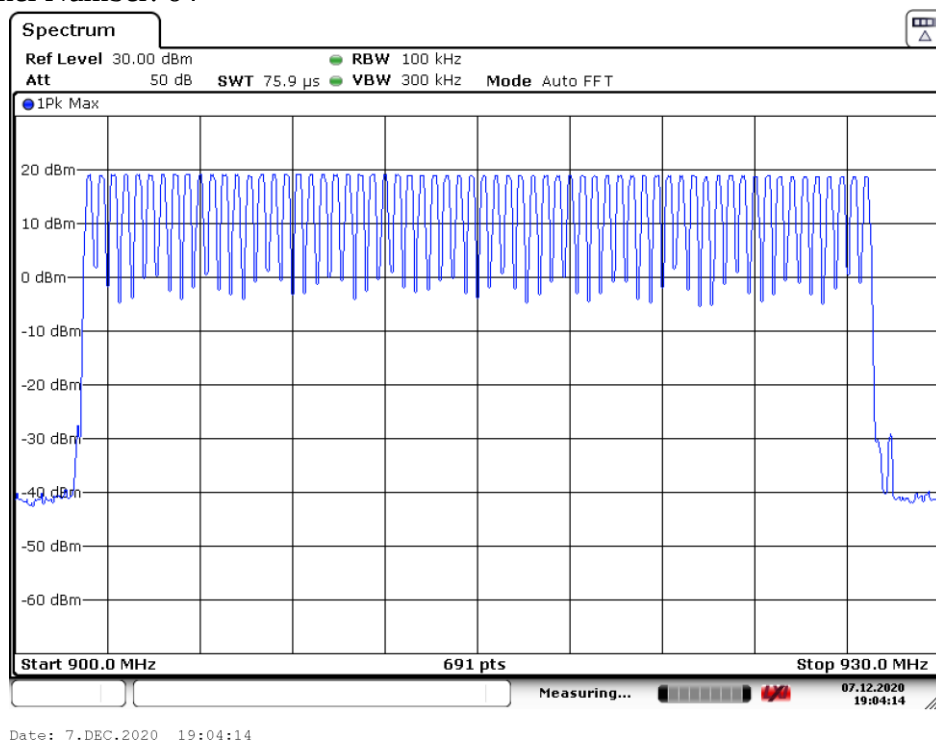
1. LoRa 125kHz FHSS, 902.2MHz~927.8MHz

Channel Number: 129



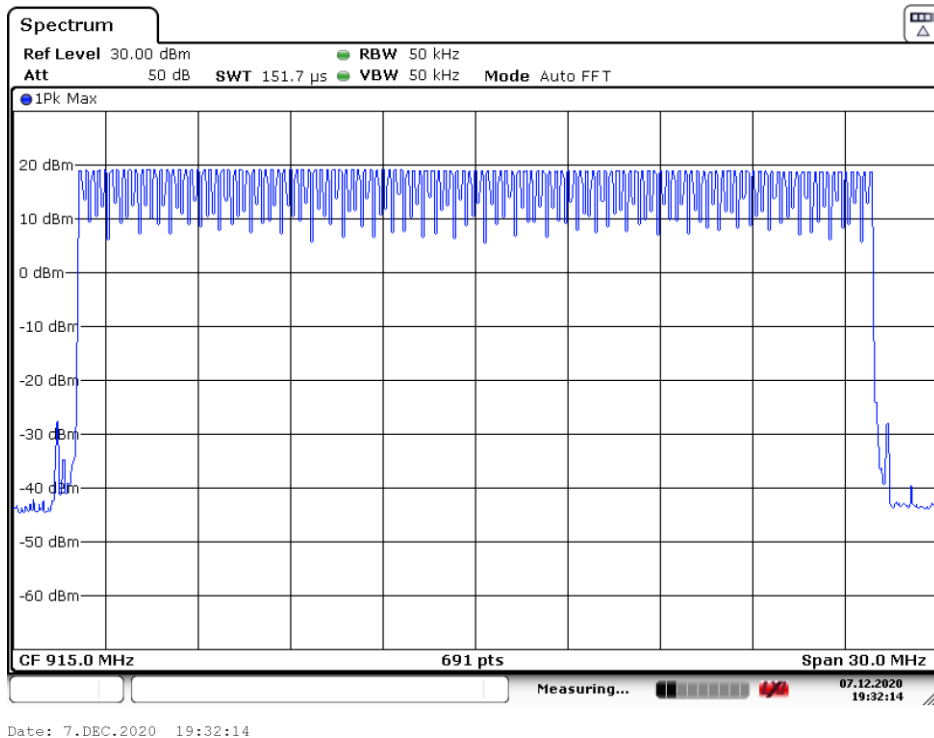
2. FSK 150Kbps FHSS, 902.4MHz~927.6MHz

Channel Number: 64



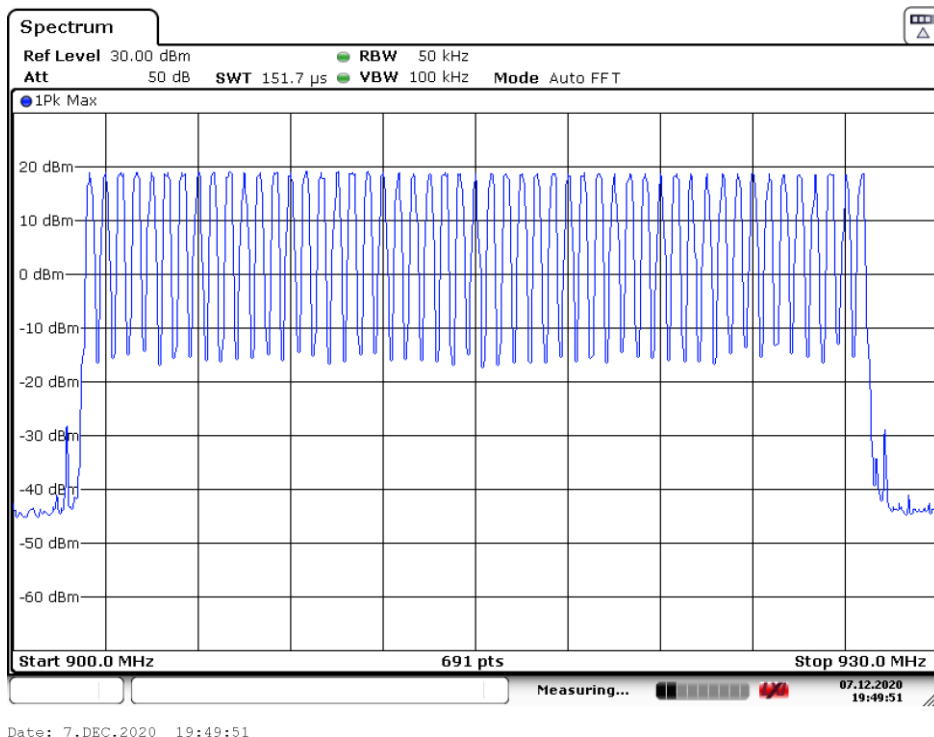
3. FSK 50Kbps FHSS, 902.2MHz~927.8MHz

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 : 2020.12.07

Input voltage : AC120V, 60Hz

Operational mode : Mode B

Temperature : 20°C

Relative humidity : 55%

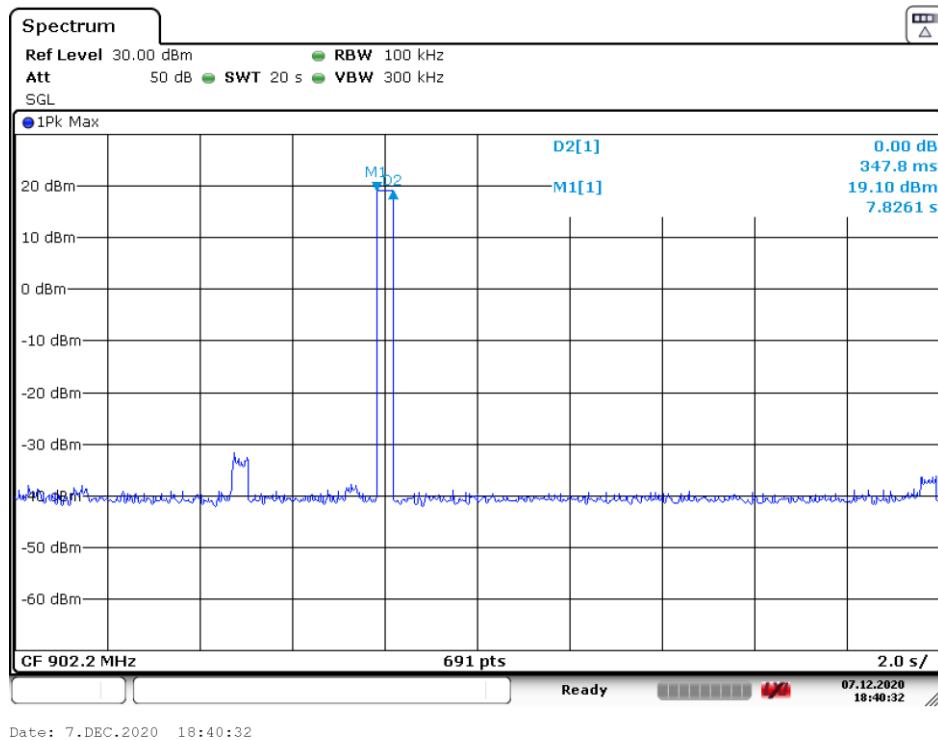
Atmospheric pressure : 102.1 kPa

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

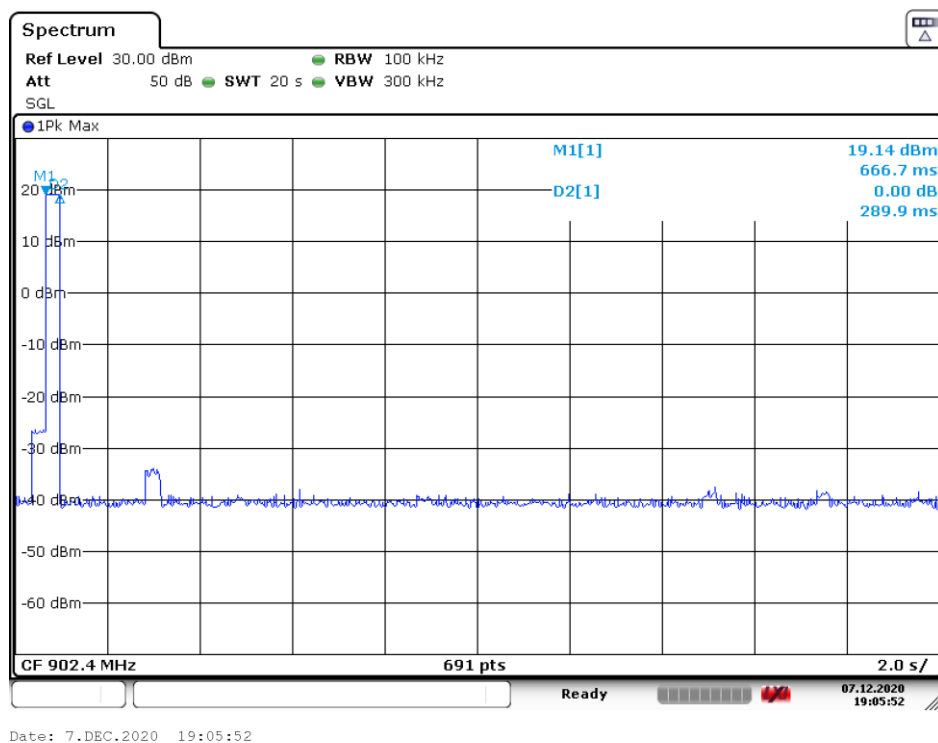
Modulation Type and Operation band	20dB Bandwidth(kHz)	Period (s)	Channel Occupancy Time (ms)	Limit (s)	Result
LoRa 125kHz FHSS 902.2MHz~927.8MHz	20dB Bandwidth < 250	20	347.8	0.4	Pass
FSK 150kbps FHSS 902.4MHz~927.6MHz	20dB Bandwidth < 250	20	289.9	0.4	Pass
FSK 50Kbps FHSS 902.2MHz~927.8MHz	20dB Bandwidth < 250	20	260.9	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

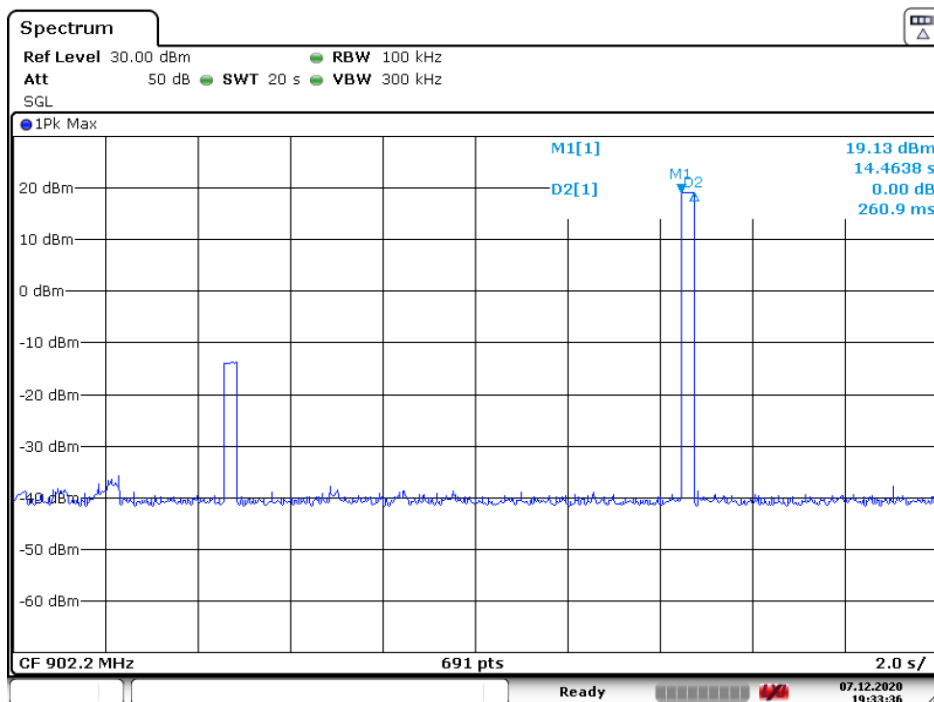
1. LoRa 125kHz FHSS, 902.2MHz~927.8MHz



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

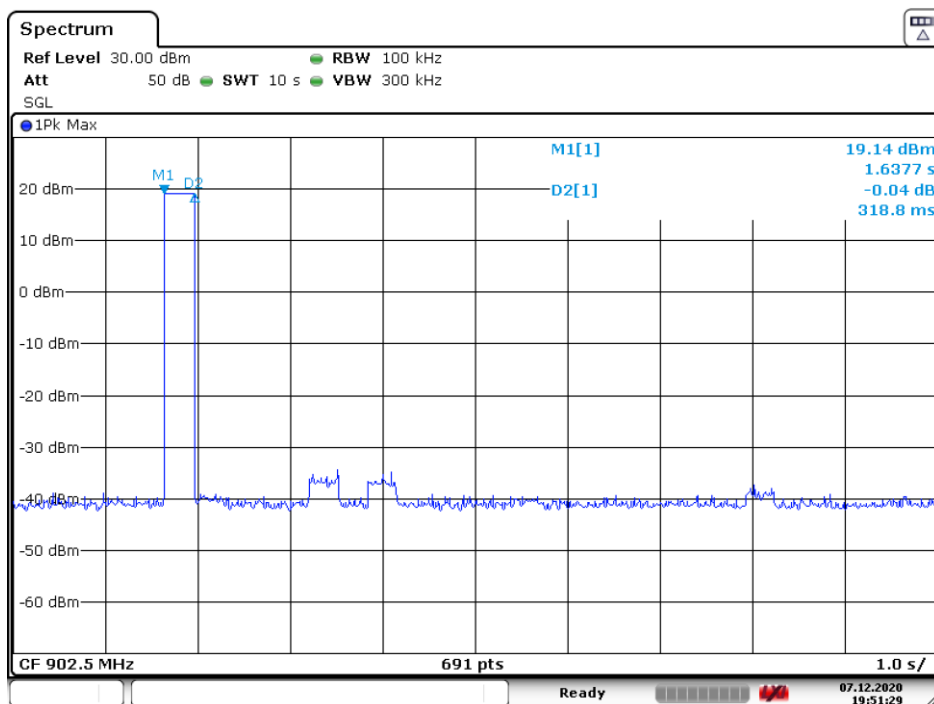


3. FSK 50Kbps FHSS, 902.2MHz~927.8MHz



Date: 7.DEC.2020 19:33:36

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



Date: 7.DEC.2020 19:51:29

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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-003:2017

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-003:2017, table 2

Kind of test site : 3m Semi-anechoic Chamber

Test Setup

Date of testing : 2020.12.02

Input voltage : AC 120V, 60Hz

Operational mode : Mode C, Mode D

Temperature : 19°C

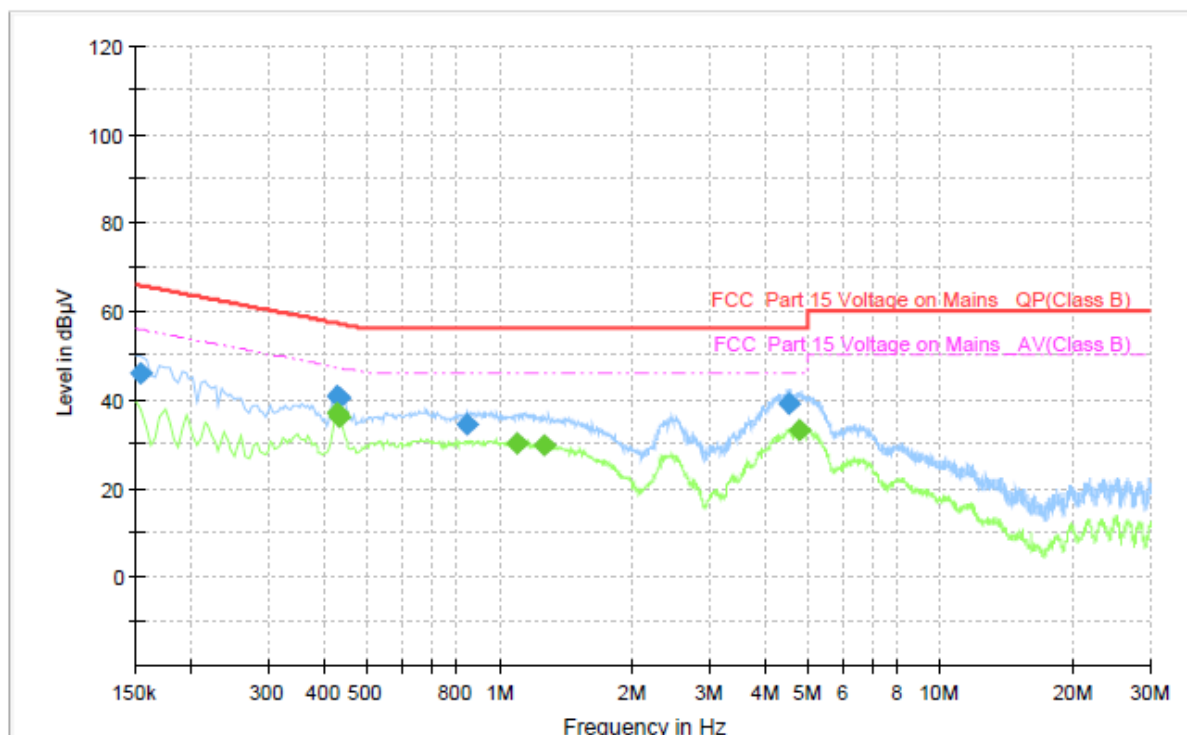
Relative humidity : 59%

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

Full Spectrum

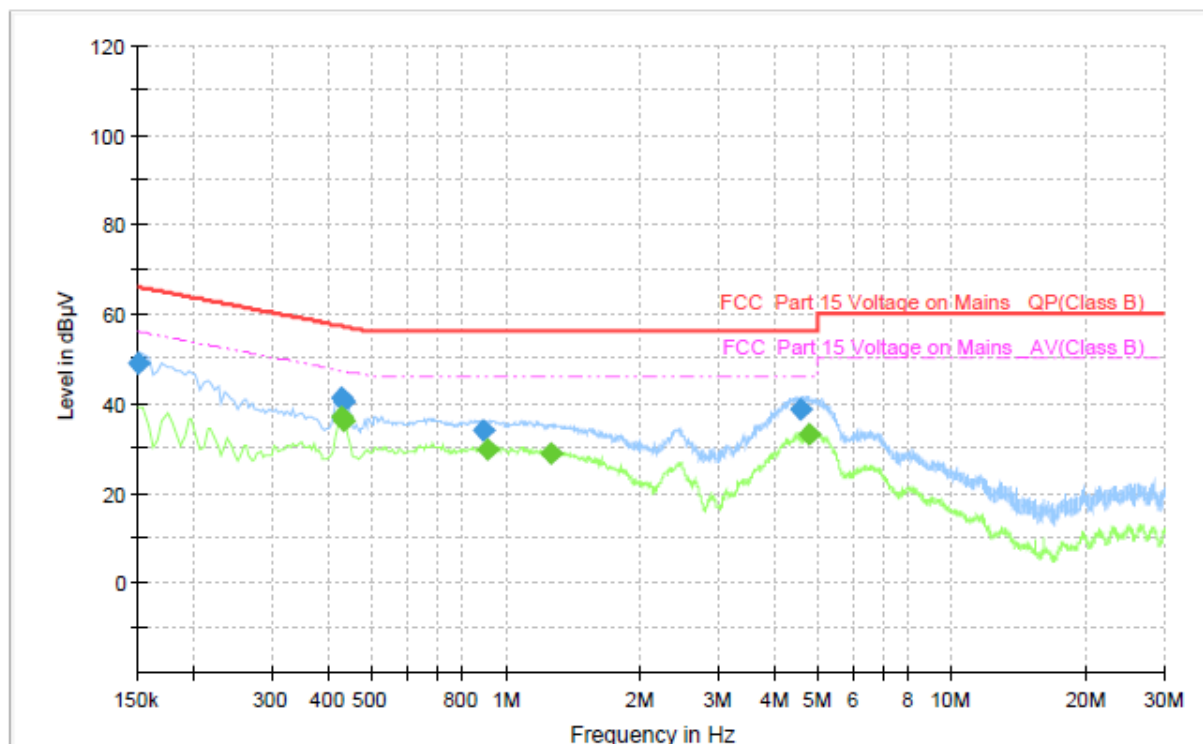


Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.154000	46.10	---	65.78	19.68	1000.0	9.000	L1	ON	9.6
0.430000	---	36.97	47.25	10.28	1000.0	9.000	L1	ON	9.5
0.430000	40.85	---	57.25	16.40	1000.0	9.000	L1	ON	9.5
0.434000	---	36.23	47.18	10.95	1000.0	9.000	L1	ON	9.5
0.434000	40.35	---	57.18	16.83	1000.0	9.000	L1	ON	9.5
0.846000	34.43	---	56.00	21.57	1000.0	9.000	L1	ON	9.5
1.090000	---	30.11	46.00	15.89	1000.0	9.000	L1	ON	9.5
1.258000	---	29.50	46.00	16.50	1000.0	9.000	L1	ON	9.5
4.522000	38.94	---	56.00	17.06	1000.0	9.000	L1	ON	9.7
4.810000	---	33.12	46.00	12.88	1000.0	9.000	L1	ON	9.7

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

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	48.74	---	66.00	17.26	1000.0	9.000	N	ON	9.6
0.430000	---	37.00	47.25	10.25	1000.0	9.000	N	ON	9.5
0.430000	41.03	---	57.25	16.22	1000.0	9.000	N	ON	9.5
0.434000	---	36.22	47.18	10.96	1000.0	9.000	N	ON	9.5
0.434000	40.51	---	57.18	16.66	1000.0	9.000	N	ON	9.5
0.890000	33.80	---	56.00	22.20	1000.0	9.000	N	ON	9.5
0.910000	---	29.84	46.00	16.16	1000.0	9.000	N	ON	9.5
1.258000	---	28.72	46.00	17.28	1000.0	9.000	N	ON	9.5
4.570000	38.46	---	56.00	17.54	1000.0	9.000	N	ON	9.7
4.774000	---	33.10	46.00	12.90	1000.0	9.000	N	ON	9.7

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-003:2017

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-10th 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-003:2017, table 4

Kind of test site

: 3m Semi-anechoic Chamber

Test Setup

Date of testing

: 2020.12.02-2020.12.04

Input voltage

: AC 120V, 60Hz

Operational mode

: Mode C, Mode D

Test channel

: Lo, Mi, Hi

Temperature

: 19°C

Relative humidity

: 59%

Atmospheric pressure

: 102.1 kPa

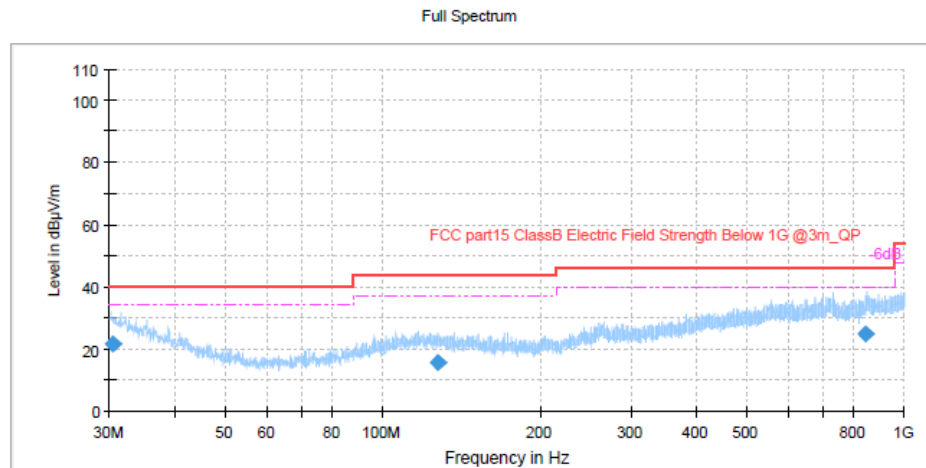
Remark:

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)

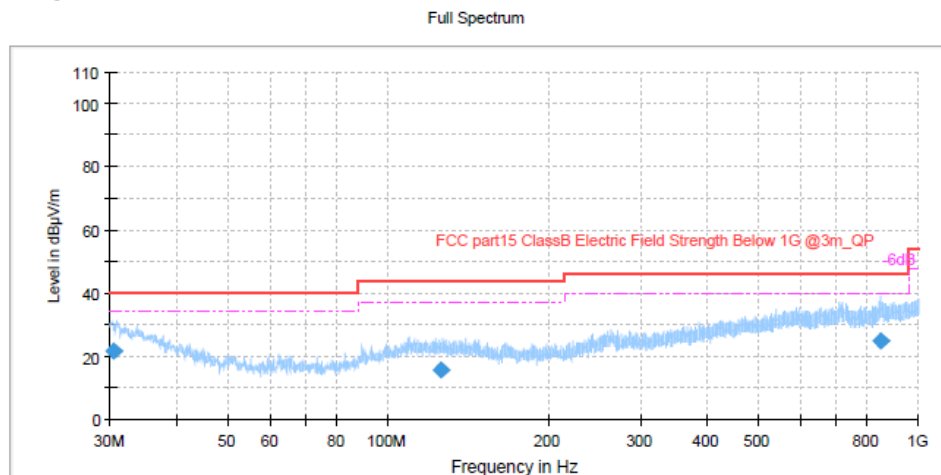
Figure 11: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Horizontal, for Mode D Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.480000	21.44	40.00	18.56	1000.0	120.000	150.0	H	356.0	25.0
127.760556	15.55	43.50	27.95	1000.0	120.000	117.0	H	244.0	19.0
844.795556	25.04	46.00	20.96	1000.0	120.000	143.0	H	81.0	29.5

Figure 12: 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)
30.532778	21.46	40.00	18.54	1000.0	120.000	121.0	V	67.0	25.0
126.295000	15.58	43.50	27.92	1000.0	120.000	150.0	V	21.0	19.1
848.255000	24.98	46.00	21.02	1000.0	120.000	114.0	V	14.0	29.4

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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)
32.027778	22.43	40.00	17.57	1000.0	120.000	301.0	H	7.0	24.2
709.600556	24.09	46.00	21.91	1000.0	120.000	316.0	H	-7.0	27.8
846.007222	24.86	46.00	21.14	1000.0	120.000	108.0	H	324.0	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)
30.616111	21.09	40.00	18.91	1000.0	120.000	143.0	V	46.0	25.0
102.618889	14.12	43.50	29.38	1000.0	120.000	150.0	V	114.0	18.0
729.322222	27.06	46.00	18.94	1000.0	120.000	117.0	V	198.0	28.1

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)
30.758889	21.15	40.00	18.85	1000.0	120.000	150.0	H	201.0	24.9
121.803333	15.67	40.00	24.33	1000.0	120.000	230.0	H	142.0	19.3
844.647778	24.98	47.00	22.02	1000.0	120.000	216.0	H	326.0	29.5

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)
31.113333	20.92	40.00	19.08	1000.0	120.000	167.0	V	324.0	24.7
127.708333	15.41	43.50	28.09	1000.0	120.000	140.0	V	-6.0	19.0
845.343333	24.93	46.00	21.07	1000.0	120.000	122.0	V	170.0	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)
31.181111	20.80	40.00	19.20	1000.0	120.000	122.0	H	258.0	24.7
126.034444	15.41	40.00	24.59	1000.0	120.000	144.0	H	117.0	19.1
728.420000	27.06	47.00	19.94	1000.0	120.000	132.0	H	270.0	28.0

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)
30.731111	21.17	40.00	18.83	1000.0	120.000	136.0	V	18.0	24.9
126.644444	15.36	43.50	28.14	1000.0	120.000	144.0	V	246.0	19.1
844.633889	24.89	46.00	21.11	1000.0	120.000	184.0	V	309.0	29.5

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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)
30.478889	21.47	40.00	18.53	1000.0	120.000	H	25.0
127.692778	15.50	43.50	28.00	1000.0	120.000	H	19.0
709.077222	24.95	46.00	21.05	1000.0	120.000	H	27.8
870.418889	44.48	46.00	1.52	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	52.5	1000.0	1000.000	H	-8.6	21.5	74.0
2707.435000	50.1	1000.0	1000.000	H	-3.3	24.0	74.0
4512.625000	51.3	1000.0	1000.000	H	2.4	22.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	51.6	1000.0	1000.000	H	-8.6	2.4	54.0
2707.435000	48.2	1000.0	1000.000	H	-3.3	5.9	54.0
4512.625000	48.5	1000.0	1000.000	H	2.4	5.5	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)
31.315000	21.01	40.00	18.99	1000.0	120.000	V	24.6
728.809444	27.30	46.00	18.70	1000.0	120.000	V	28.1
870.403333	41.96	46.00	4.04	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)
1805.375000	51.3	1000.0	1000.000	V	-8.6	22.7	74.0
4513.155000	53.0	1000.0	1000.000	V	2.4	21.0	74.0
7220.405000	51.3	1000.0	1000.000	V	7.2	22.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1805.375000	50.3	1000.0	1000.000	V	-8.6	3.7	54.0
4513.155000	50.6	1000.0	1000.000	V	2.4	3.4	54.0
7220.405000	47.5	1000.0	1000.000	V	7.2	6.6	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)
30.760556	21.32	40.00	18.68	1000.0	120.000	H	24.9
115.515556	15.75	43.50	27.75	1000.0	120.000	H	19.3
729.283889	27.81	46.00	18.19	1000.0	120.000	H	28.1
882.476111	40.79	46.00	5.21	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	51.6	1000.0	1000.000	H	-8.4	22.4	74.0
2743.560000	48.5	1000.0	1000.000	H	-3.1	25.5	74.0
9370.905000	49.6	1000.0	1000.000	H	10.1	24.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.280000	50.7	1000.0	1000.000	H	-8.4	3.3	54.0
2743.560000	46.1	1000.0	1000.000	H	-3.1	7.9	54.0
9370.905000	38.3	1000.0	1000.000	H	10.1	15.7	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)
30.120000	21.92	40.00	18.08	1000.0	120.000	V	25.2
128.181111	15.51	43.50	27.99	1000.0	120.000	V	19.0
728.260000	27.36	46.00	18.64	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)
2743.030000	44.8	1000.0	1000.000	V	-3.1	29.2	74.0
4571.595000	50.7	1000.0	1000.000	V	2.6	23.3	74.0
6401.750000	50.3	1000.0	1000.000	V	5.8	23.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2743.030000	40.7	1000.0	1000.000	V	-3.1	13.3	54.0
4571.595000	47.6	1000.0	1000.000	V	2.6	6.4	54.0
6401.750000	46.1	1000.0	1000.000	V	5.8	7.9	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)
30.000000	23.87	40.00	16.13	1000.0	120.000	H	25.3
128.271667	15.51	43.50	27.99	1000.0	120.000	H	19.0
713.911667	24.72	46.00	21.28	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)
2779.685000	45.6	1000.0	1000.000	H	-2.9	28.4	74.0
4632.155000	48.7	1000.0	1000.000	H	2.7	25.3	74.0
9245.000000	49.3	1000.0	1000.000	H	10.0	24.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2779.685000	41.9	1000.0	1000.000	H	-2.9	12.1	54.0
4632.155000	44.2	1000.0	1000.000	H	2.7	9.8	54.0
9245.000000	38.6	1000.0	1000.000	H	10.0	15.4	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)
31.527222	23.04	40.00	16.96	1000.0	120.000	V	24.5
111.743333	15.48	43.50	28.02	1000.0	120.000	V	19.1
728.795556	27.48	46.00	18.52	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)
4632.685000	51.6	1000.0	1000.000	V	2.7	22.4	74.0
6486.750000	50.4	1000.0	1000.000	V	5.9	23.6	74.0
9370.905000	48.8	1000.0	1000.000	V	10.1	25.3	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4632.685000	48.6	1000.0	1000.000	V	2.7	5.4	54.0
6486.750000	45.7	1000.0	1000.000	V	5.9	8.3	54.0
9370.905000	38.3	1000.0	1000.000	V	10.1	15.7	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)
31.464444	20.75	40.00	19.25	1000.0	120.000	H	24.5
132.433333	15.34	43.50	28.16	1000.0	120.000	H	18.8
729.037222	27.69	46.00	18.31	1000.0	120.000	H	28.1
870.255556	44.83	46.00	1.17	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	52.9	1000.0	1000.000	H	-8.6	21.1	74.0
4510.500000	52.6	1000.0	1000.000	H	2.4	21.4	74.0
7217.750000	52.6	1000.0	1000.000	H	7.2	21.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	51.7	1000.0	1000.000	H	-8.6	2.3	54.0
4510.500000	50.3	1000.0	1000.000	H	2.4	3.7	54.0
7217.750000	49.0	1000.0	1000.000	H	7.2	5.0	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)
30.183333	21.96	40.00	18.04	1000.0	120.000	V	25.2
129.648333	15.45	43.50	28.05	1000.0	120.000	V	18.9
710.798333	24.45	46.00	21.55	1000.0	120.000	V	27.8
870.241667	38.18	46.00	7.82	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)
1804.845000	49.1	1000.0	1000.000	V	-8.6	24.9	74.0
2706.375000	46.8	1000.0	1000.000	V	-3.3	27.2	74.0
4511.030000	52.9	1000.0	1000.000	V	2.4	21.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.845000	47.9	1000.0	1000.000	V	-8.6	6.1	54.0
2706.375000	44.2	1000.0	1000.000	V	-3.3	9.8	54.0
4511.030000	50.7	1000.0	1000.000	V	2.4	3.3	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)
31.016111	21.17	40.00	18.83	1000.0	120.000	H	24.8
125.671111	15.66	43.50	27.84	1000.0	120.000	H	19.1
729.562222	27.75	46.00	18.25	1000.0	120.000	H	28.1
882.987222	41.51	46.00	4.49	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)
1829.810000	51.5	1000.0	1000.000	H	-8.4	22.5	74.0
2745.155000	48.3	1000.0	1000.000	H	-3.1	25.7	74.0
4574.780000	49.3	1000.0	1000.000	H	2.6	24.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.810000	50.4	1000.0	1000.000	H	-8.4	3.6	54.0
2745.155000	45.4	1000.0	1000.000	H	-3.1	8.6	54.0
4574.780000	44.4	1000.0	1000.000	H	2.6	9.6	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)
30.171111	21.78	40.00	18.22	1000.0	120.000	V	25.2
562.956667	23.69	46.00	22.31	1000.0	120.000	V	27.2
845.468333	25.65	46.00	20.35	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)
2745.155000	44.3	1000.0	1000.000	V	-3.1	29.8	74.0
4574.780000	50.9	1000.0	1000.000	V	2.6	23.1	74.0
6404.935000	51.2	1000.0	1000.000	V	5.8	22.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2745.155000	38.7	1000.0	1000.000	V	-3.1	15.3	54.0
4574.780000	47.8	1000.0	1000.000	V	2.6	6.2	54.0
6404.935000	46.8	1000.0	1000.000	V	5.8	7.2	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)
31.151667	20.98	40.00	19.02	1000.0	120.000	H	24.7
132.932222	15.34	43.50	28.16	1000.0	120.000	H	18.8
709.934444	24.51	46.00	21.49	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)
1855.845000	46.2	1000.0	1000.000	H	-8.2	27.8	74.0
2783.405000	45.6	1000.0	1000.000	H	-2.9	28.4	74.0
8796.095000	49.6	1000.0	1000.000	H	9.5	24.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1855.845000	43.9	1000.0	1000.000	H	-8.2	10.1	54.0
2783.405000	41.5	1000.0	1000.000	H	-2.9	12.5	54.0
8796.095000	38.6	1000.0	1000.000	H	9.5	15.4	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)
30.240000	21.76	40.00	18.24	1000.0	120.000	V	25.2
117.978889	15.70	43.50	27.80	1000.0	120.000	V	19.4
844.809444	25.72	46.00	20.28	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)
1855.845000	44.2	1000.0	1000.000	V	-8.2	29.8	74.0
4638.530000	51.0	1000.0	1000.000	V	2.7	23.0	74.0
6494.720000	50.1	1000.0	1000.000	V	6.0	23.9	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1855.845000	41.1	1000.0	1000.000	V	-8.2	12.9	54.0
4638.530000	48.0	1000.0	1000.000	V	2.7	6.0	54.0
6494.720000	45.6	1000.0	1000.000	V	6.0	8.4	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)
30.171111	21.58	40.00	18.42	1000.0	120.000	H	25.2
131.105000	15.32	43.50	28.18	1000.0	120.000	H	18.9
729.617778	27.61	46.00	18.39	1000.0	120.000	H	28.1
870.417222	44.67	46.00	1.33	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	53.5	1000.0	1000.000	H	-8.6	20.5	74.0
4512.095000	53.6	1000.0	1000.000	H	2.4	20.4	74.0
7219.345000	52.9	1000.0	1000.000	H	7.2	21.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.845000	52.5	1000.0	1000.000	H	-8.6	1.6	54.0
4512.095000	51.1	1000.0	1000.000	H	2.4	2.9	54.0
7219.345000	48.2	1000.0	1000.000	H	7.2	5.8	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)
30.185000	21.86	40.00	18.14	1000.0	120.000	V	25.2
146.769444	14.63	43.50	28.87	1000.0	120.000	V	17.9
708.900000	24.40	46.00	21.60	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)
1804.310000	50.6	1000.0	1000.000	V	-8.6	23.4	74.0
4511.560000	52.9	1000.0	1000.000	V	2.4	21.1	74.0
8121.405000	51.5	1000.0	1000.000	V	8.4	22.5	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	49.2	1000.0	1000.000	V	-8.6	4.8	54.0
4511.560000	50.0	1000.0	1000.000	V	2.4	4.0	54.0
8121.405000	44.1	1000.0	1000.000	V	8.4	9.9	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)
30.386667	21.41	40.00	18.59	1000.0	120.000	H	25.1
125.740556	15.51	43.50	27.99	1000.0	120.000	H	19.1
728.355556	28.00	46.00	18.00	1000.0	120.000	H	28.0

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1829.280000	51.5	1000.0	1000.000	H	-8.4	22.5	74.0
2744.625000	48.8	1000.0	1000.000	H	-3.1	25.2	74.0
4574.250000	50.3	1000.0	1000.000	H	2.6	23.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.280000	50.3	1000.0	1000.000	H	-8.4	3.7	54.0
2744.625000	46.0	1000.0	1000.000	H	-3.1	8.0	54.0
4574.250000	45.4	1000.0	1000.000	H	2.6	8.6	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)
30.000000	24.01	40.00	15.99	1000.0	120.000	V	25.3
125.926667	15.51	43.50	27.99	1000.0	120.000	V	19.1
729.941111	27.34	46.00	18.66	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)
1829.280000	50.3	1000.0	1000.000	V	-8.4	23.7	74.0
4574.250000	49.8	1000.0	1000.000	V	2.6	24.2	74.0
6403.345000	51.8	1000.0	1000.000	V	5.8	22.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.280000	48.7	1000.0	1000.000	V	-8.4	5.3	54.0
4574.250000	44.7	1000.0	1000.000	V	2.6	9.3	54.0
6403.345000	47.4	1000.0	1000.000	V	5.8	6.6	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)
31.245556	20.89	40.00	19.11	1000.0	120.000	H	24.7
126.114444	15.56	43.50	27.94	1000.0	120.000	H	19.1
729.822778	27.23	46.00	18.77	1000.0	120.000	H	28.1
882.811667	40.82	46.00	5.18	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)
1855.310000	46.3	1000.0	1000.000	H	-8.2	27.7	74.0
4638.000000	48.7	1000.0	1000.000	H	2.7	25.3	74.0
9751.280000	49.3	1000.0	1000.000	H	10.7	24.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1855.310000	44.2	1000.0	1000.000	H	-8.2	9.8	54.0
4638.000000	44.0	1000.0	1000.000	H	2.7	10.0	54.0
9751.280000	38.6	1000.0	1000.000	H	10.7	15.5	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)
31.221111	20.91	40.00	19.09	1000.0	120.000	V	24.7
119.016667	15.69	43.50	27.81	1000.0	120.000	V	19.4
845.087778	26.78	46.00	19.22	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)
4638.000000	49.6	1000.0	1000.000	V	2.7	24.4	74.0
6493.655000	49.6	1000.0	1000.000	V	6.0	24.5	74.0
9773.060000	49.4	1000.0	1000.000	V	10.8	24.6	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4638.000000	45.4	1000.0	1000.000	V	2.7	8.6	54.0
6493.655000	44.0	1000.0	1000.000	V	6.0	10.0	54.0
9773.060000	38.7	1000.0	1000.000	V	10.8	15.3	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)
30.200000	21.61	40.00	18.39	1000.0	120.000	H	25.2
119.181667	15.85	43.50	27.65	1000.0	120.000	H	19.4
729.054444	27.53	46.00	18.47	1000.0	120.000	H	28.1
870.175556	44.85	46.00	1.15	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)
1804.310000	53.2	1000.0	1000.000	H	-8.6	20.9	74.0
4510.500000	51.1	1000.0	1000.000	H	2.4	22.9	74.0
7218.280000	51.2	1000.0	1000.000	H	7.2	22.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	51.9	1000.0	1000.000	H	-8.6	2.1	54.0
4510.500000	47.1	1000.0	1000.000	H	2.4	6.9	54.0
7218.280000	45.7	1000.0	1000.000	H	7.2	8.3	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)
30.040000	21.98	40.00	18.02	1000.0	120.000	V	25.3
116.162222	15.74	43.50	27.76	1000.0	120.000	V	19.3
729.185000	27.44	46.00	18.56	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)
1804.310000	51.1	1000.0	1000.000	V	-8.6	22.9	74.0
4511.030000	52.5	1000.0	1000.000	V	2.4	21.5	74.0
7217.750000	51.9	1000.0	1000.000	V	7.2	22.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.310000	50.0	1000.0	1000.000	V	-8.6	4.0	54.0
4511.030000	50.2	1000.0	1000.000	V	2.4	3.8	54.0
7217.750000	47.7	1000.0	1000.000	V	7.2	6.3	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)
30.000000	23.81	40.00	16.19	1000.0	120.000	H	25.3
118.373333	15.75	43.50	27.75	1000.0	120.000	H	19.4
709.169444	25.03	46.00	20.97	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)
1829.810000	51.0	1000.0	1000.000	H	-8.4	23.0	74.0
4575.310000	48.5	1000.0	1000.000	H	2.6	25.5	74.0
8855.060000	49.1	1000.0	1000.000	H	9.6	24.9	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.810000	49.8	1000.0	1000.000	H	-8.4	4.2	54.0
4575.310000	43.5	1000.0	1000.000	H	2.6	10.5	54.0
8855.060000	37.8	1000.0	1000.000	H	9.6	16.2	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)
31.840000	22.76	40.00	17.24	1000.0	120.000	V	24.3
121.429444	15.73	43.50	27.77	1000.0	120.000	V	19.3
729.082222	27.36	46.00	18.64	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)
1829.810000	48.1	1000.0	1000.000	V	-8.4	25.9	74.0
4575.310000	49.0	1000.0	1000.000	V	2.6	25.0	74.0
6405.470000	50.8	1000.0	1000.000	V	5.8	23.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.810000	46.2	1000.0	1000.000	V	-8.4	7.9	54.0
4575.310000	45.0	1000.0	1000.000	V	2.6	9.1	54.0
6405.470000	45.9	1000.0	1000.000	V	5.8	8.1	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)
30.291111	21.51	40.00	18.49	1000.0	120.000	H	25.1
122.131667	15.66	43.50	27.84	1000.0	120.000	H	19.3
713.868333	24.82	46.00	21.18	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	41.6	1000.0	1000.000	H	-8.3	32.4	74.0
4639.060000	49.3	1000.0	1000.000	H	2.7	24.7	74.0
8735.000000	48.9	1000.0	1000.000	H	9.4	25.1	74.0

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBμV/m)
1854.780000	36.7	1000.0	1000.000	H	-8.3	17.3	54.0
4639.060000	44.4	1000.0	1000.000	H	2.7	9.6	54.0
8735.000000	38.2	1000.0	1000.000	H	9.4	15.8	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)
31.692222	22.84	40.00	17.16	1000.0	120.000	V	24.4
127.748333	15.55	43.50	27.95	1000.0	120.000	V	19.0
718.666111	24.81	46.00	21.19	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)
4638.530000	48.1	1000.0	1000.000	V	2.7	25.9	74.0
6494.720000	50.6	1000.0	1000.000	V	6.0	23.4	74.0
9706.125000	49.5	1000.0	1000.000	V	10.6	24.5	74.0

Frequency (MHz)	Average (dBμV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBμV/m)
4638.530000	41.2	1000.0	1000.000	V	2.7	12.8	54.0
6494.720000	45.4	1000.0	1000.000	V	6.0	8.6	54.0
9706.125000	38.6	1000.0	1000.000	V	10.6	15.4	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)
30.843889	21.26	40.00	18.74	1000.0	120.000	H	24.9
114.170000	15.63	43.50	27.87	1000.0	120.000	H	19.3
718.062778	25.98	46.00	20.02	1000.0	120.000	H	27.8
870.498889	44.96	46.00	1.04	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	53.2	1000.0	1000.000	H	-8.6	20.8	74.0
4512.625000	53.0	1000.0	1000.000	H	2.4	21.1	74.0
7219.875000	51.8	1000.0	1000.000	H	7.2	22.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.845000	51.8	1000.0	1000.000	H	-8.6	2.2	54.0
4512.625000	50.5	1000.0	1000.000	H	2.4	3.5	54.0
7219.875000	46.9	1000.0	1000.000	H	7.2	7.1	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)
36.335556	22.97	40.00	17.03	1000.0	120.000	V	21.9
128.028333	15.48	43.50	28.02	1000.0	120.000	V	19.0
714.088889	24.54	46.00	21.46	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)
1804.845000	46.7	1000.0	1000.000	V	-8.6	27.3	74.0
4512.095000	52.2	1000.0	1000.000	V	2.4	21.8	74.0
8123.000000	49.9	1000.0	1000.000	V	8.4	24.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1804.845000	44.8	1000.0	1000.000	V	-8.6	9.2	54.0
4512.095000	49.5	1000.0	1000.000	V	2.4	4.5	54.0
8123.000000	41.7	1000.0	1000.000	V	8.4	12.3	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)
30.263333	21.60	40.00	18.40	1000.0	120.000	H	25.2
114.345556	15.71	43.50	27.79	1000.0	120.000	H	19.3
728.527778	28.28	46.00	17.72	1000.0	120.000	H	28.0

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1829.810000	45.0	1000.0	1000.000	H	-8.4	29.0	74.0
2745.155000	48.8	1000.0	1000.000	H	-3.1	25.3	74.0
4575.310000	49.6	1000.0	1000.000	H	2.6	24.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1829.810000	41.8	1000.0	1000.000	H	-8.4	12.2	54.0
2745.155000	45.7	1000.0	1000.000	H	-3.1	8.4	54.0
4575.310000	45.7	1000.0	1000.000	H	2.6	8.3	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)
36.298889	23.26	40.00	16.74	1000.0	120.000	V	21.9
126.792222	15.55	43.50	27.95	1000.0	120.000	V	19.1
729.134444	27.37	46.00	18.63	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)
1830.345000	48.2	1000.0	1000.000	V	-8.4	25.8	74.0
4574.780000	49.8	1000.0	1000.000	V	2.6	24.2	74.0
6405.470000	50.4	1000.0	1000.000	V	5.8	23.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1830.345000	46.4	1000.0	1000.000	V	-8.4	7.7	54.0
4574.780000	45.2	1000.0	1000.000	V	2.6	8.8	54.0
6405.470000	45.1	1000.0	1000.000	V	5.8	8.9	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)
30.706667	21.29	40.00	18.71	1000.0	120.000	H	24.9
123.623333	15.66	43.50	27.84	1000.0	120.000	H	19.2
710.059444	24.69	46.00	21.31	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	44.8	1000.0	1000.000	H	-8.3	29.2	74.0
4636.935000	47.6	1000.0	1000.000	H	2.7	26.4	74.0
8860.375000	49.4	1000.0	1000.000	H	9.6	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	41.5	1000.0	1000.000	H	-8.3	12.5	54.0
4636.935000	42.4	1000.0	1000.000	H	2.7	11.6	54.0
8860.375000	38.0	1000.0	1000.000	H	9.6	16.0	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)
31.621111	22.94	40.00	17.06	1000.0	120.000	V	24.4
123.571111	15.72	43.50	27.78	1000.0	120.000	V	19.2
713.021667	24.65	46.00	21.35	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)
4637.470000	51.1	1000.0	1000.000	V	2.7	22.9	74.0
6492.595000	50.4	1000.0	1000.000	V	6.0	23.6	74.0
9168.500000	49.2	1000.0	1000.000	V	9.9	24.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
4637.470000	48.0	1000.0	1000.000	V	2.7	6.0	54.0
6492.595000	44.7	1000.0	1000.000	V	6.0	9.3	54.0
9168.500000	38.6	1000.0	1000.000	V	9.9	15.5	54.0

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