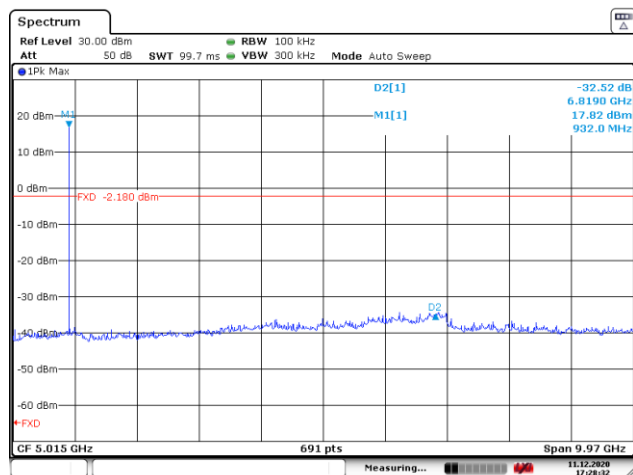


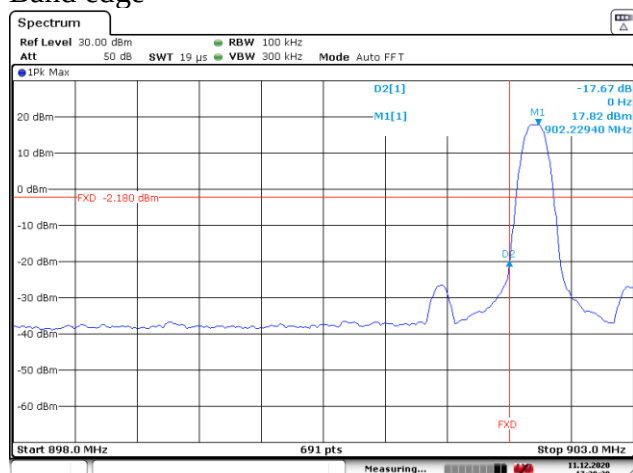
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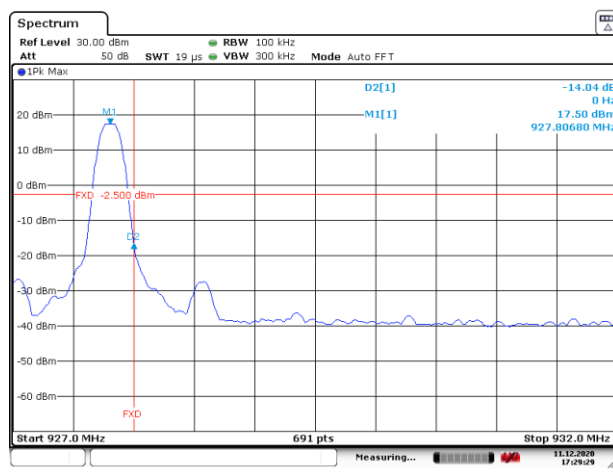


Date: 11.DEC.2020 17:28:32

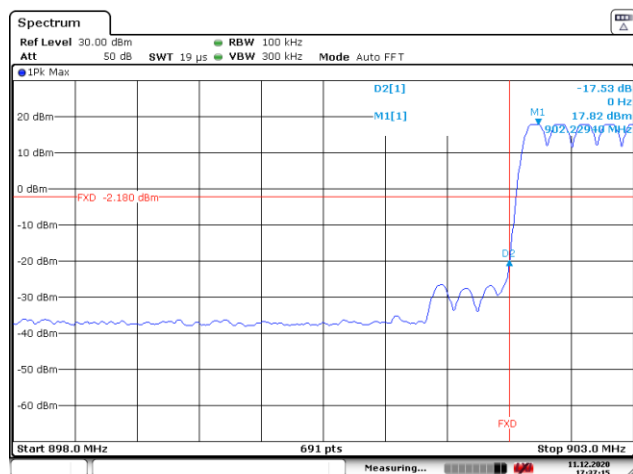
Band edge



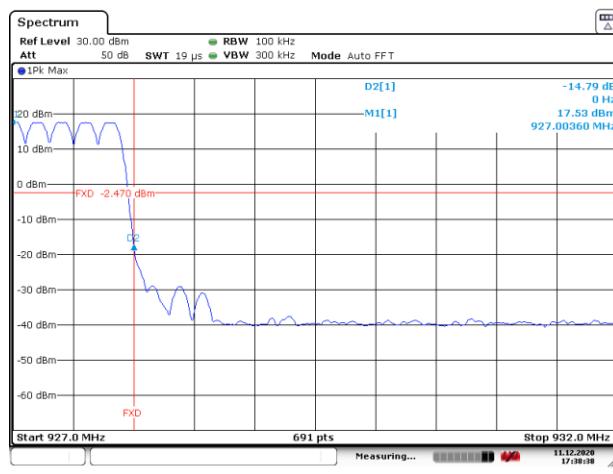
Date: 11.DEC.2020 17:30:30



Date: 11.DEC.2020 17:29:29



Date: 11.DEC.2020 17:37:15



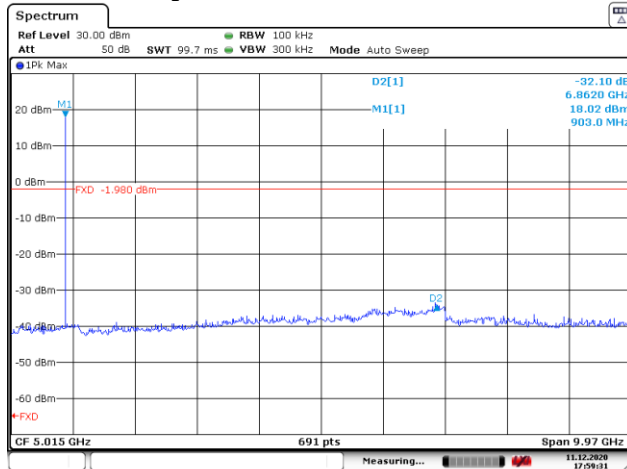
Date: 11.DEC.2020 17:38:38

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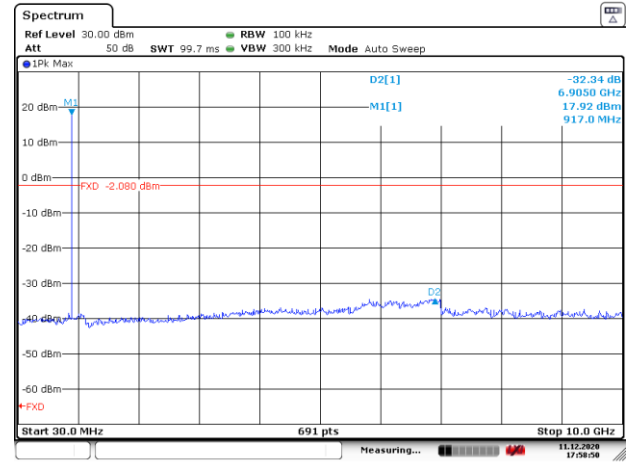
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6. FSK 250Kbps FHSS, Conducted Spurious Emission and Band edge, 902.5MHz~927.5MHz

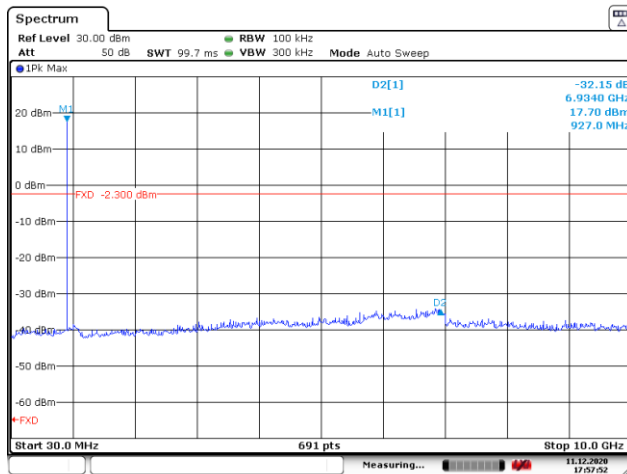
Conducted Spurious Emission



Date: 11.DEC.2020 17:59:31

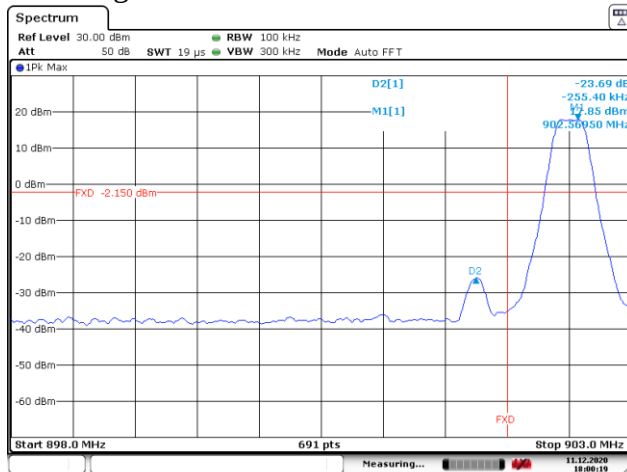


Date: 11.DEC.2020 17:58:58

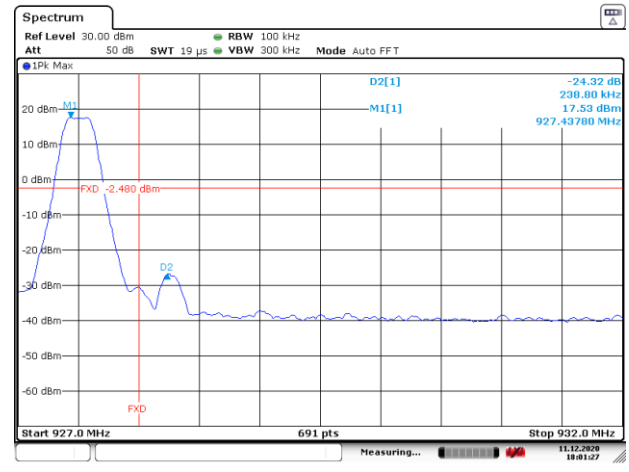


Date: 11.DEC.2020 17:57:53

Band edge



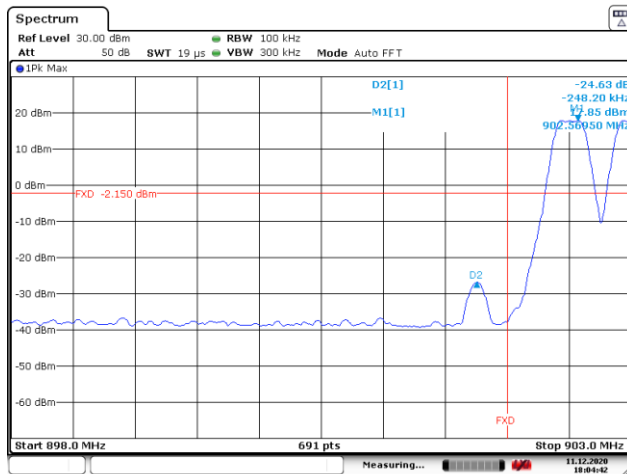
Date: 11.DEC.2020 18:00:20



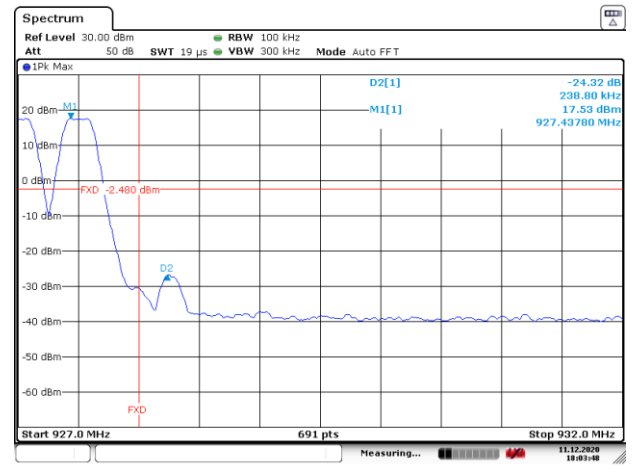
Date: 11.DEC.2020 18:01:27

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Date: 11.DEC.2020 18:04:42



Date: 11.DEC.2020 18:03:48

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 : 2020.12.11

Input voltage : DC 3.7V

Operational mode : Mode B

Temperature : 21°C

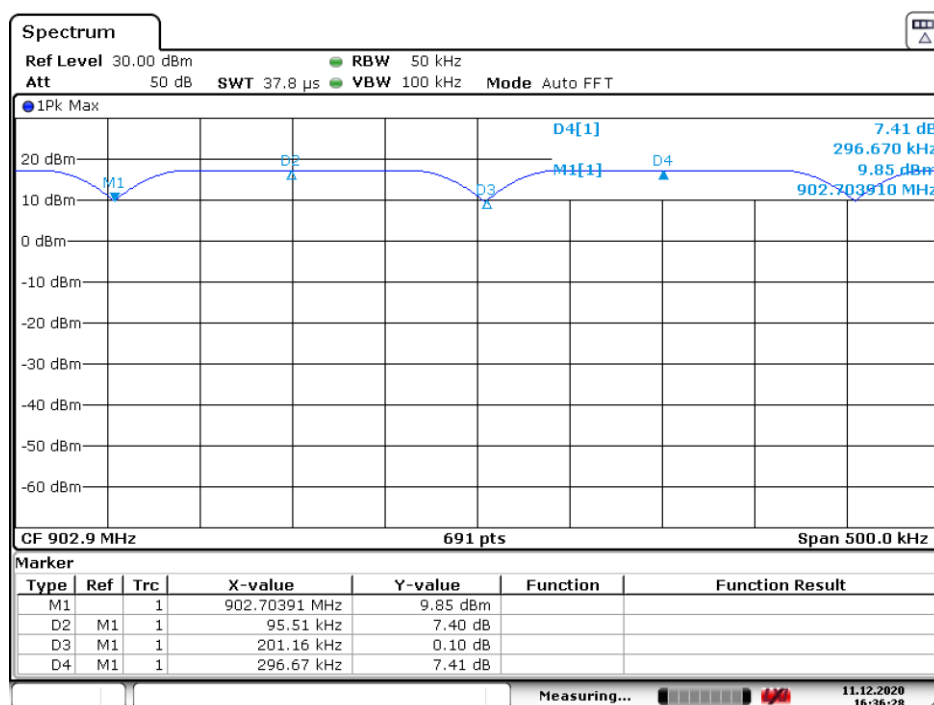
Relative humidity : 56%

Atmospheric pressure : 102.1 kPa

Figure 6: Carrier Separation

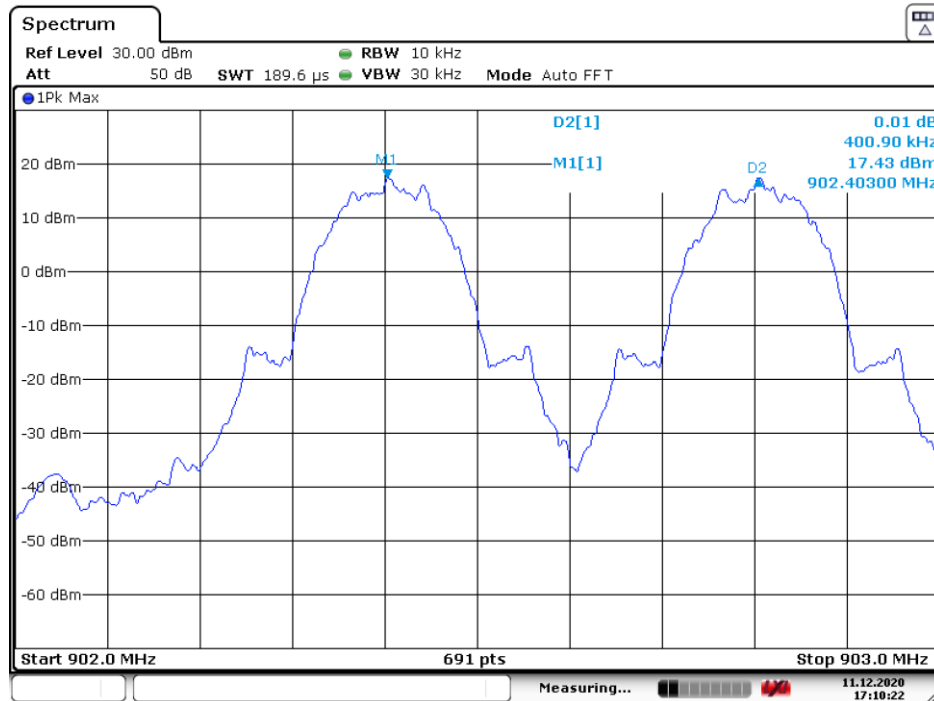
- LoRa125kHz FHSS, Carrier Separation, 902.2MHz~927.8MHz

Carrier Separation: 201.16kHz > 20dB bandwidth



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

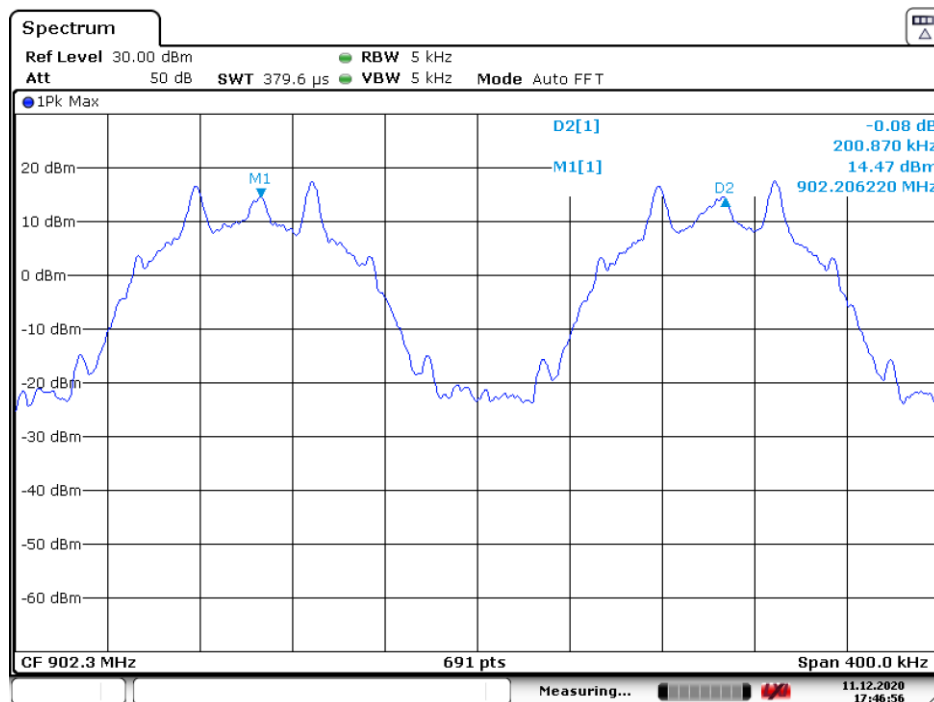
Carrier Separation: 400.90kHz



Date: 11.DEC.2020 17:10:22

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

Carrier Separation: 200.87kHz



Date: 11.DEC.2020 17:46:56

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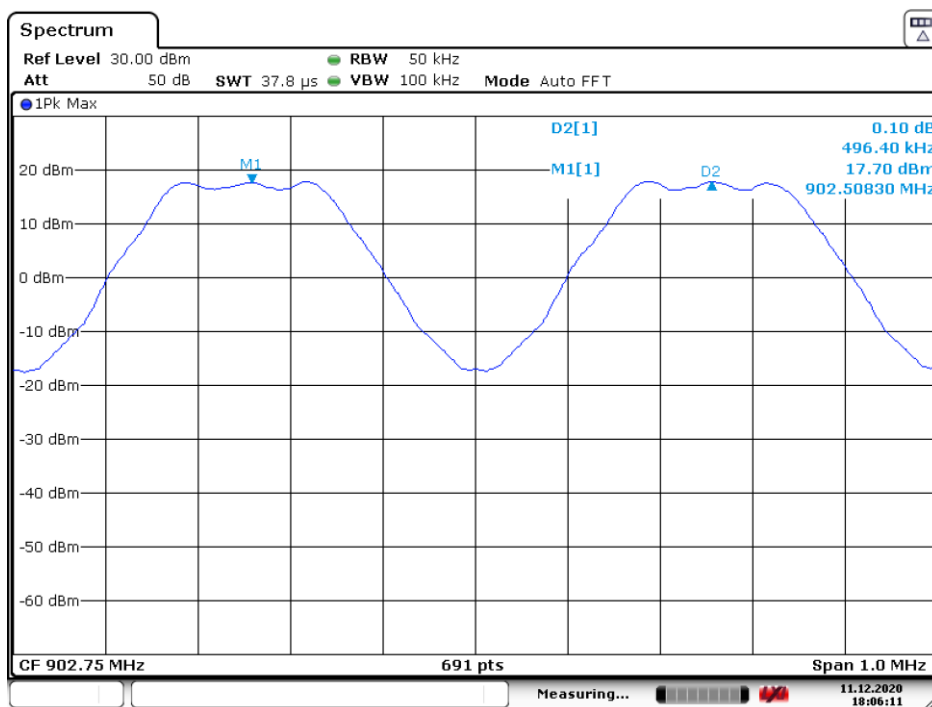
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4. FSK 250Kbps FHSS, Carrier Separation, 902.5MHz~927.5MHz

Carrier Separation: 496.40kHz



Date: 11.DEC.2020 18:06:11

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 : 2020.12.11

Input voltage : DC 3.7V

Operational mode : Mode B

Temperature : 21°C

Relative humidity : 56%

Atmospheric pressure : 102.1 kPa

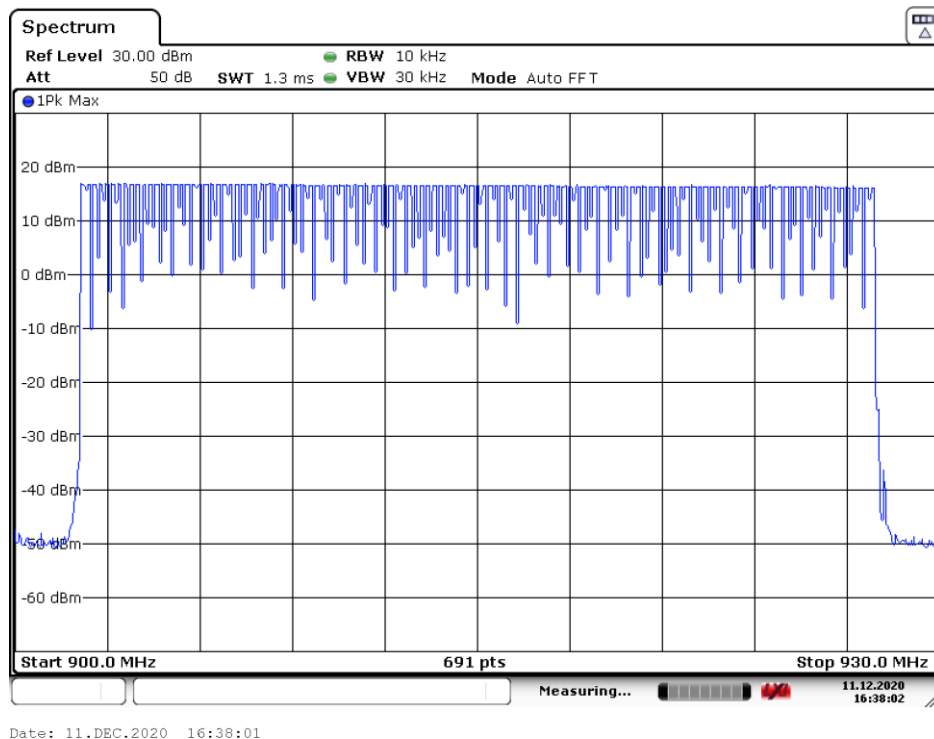
Table 7: Test result of hopping channel number for LoRa FHSS and FSK FHSS

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

Figure 7: The number of hopping channels

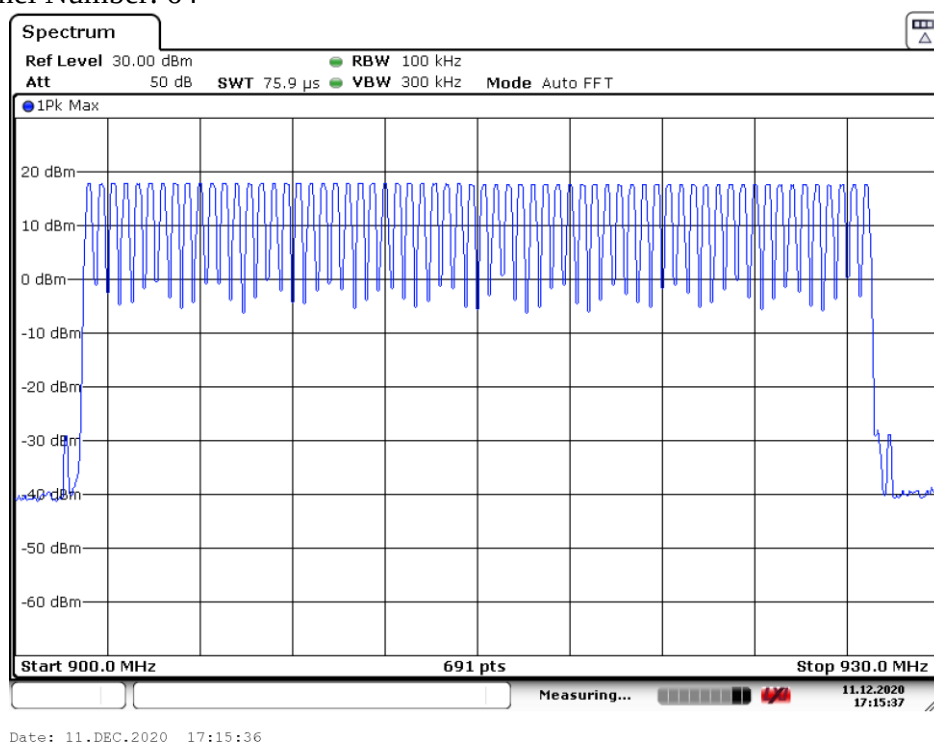
1. LoRa 125kHz FHSS, 902.2MHz~927.8MHz

Channel Number: 129



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

Channel Number: 64



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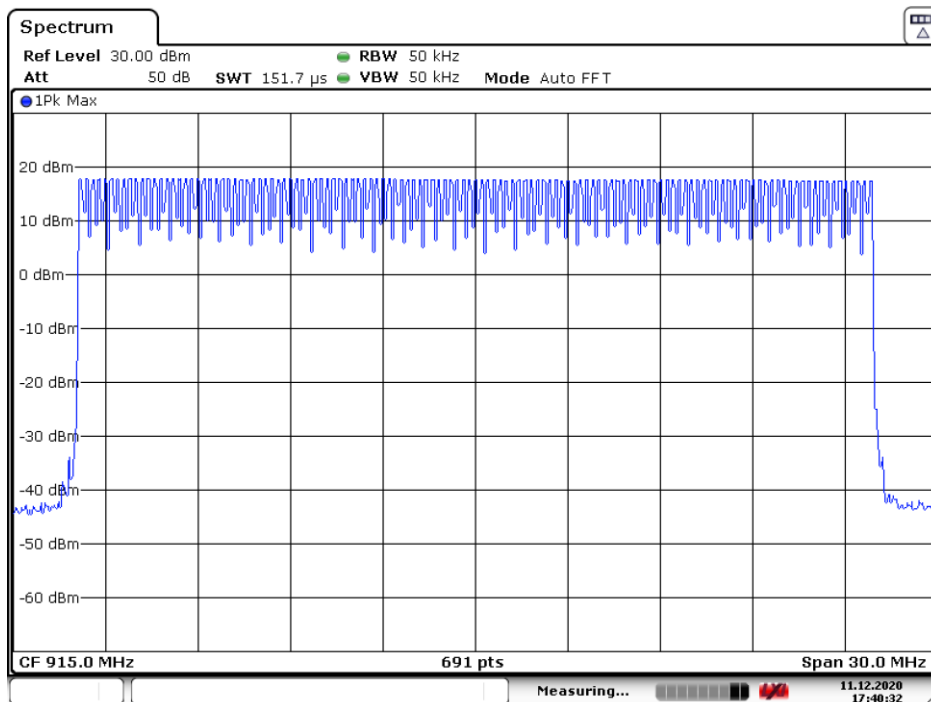
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3. FSK 50Kbps FHSS, 902.2MHz~927.8MHz

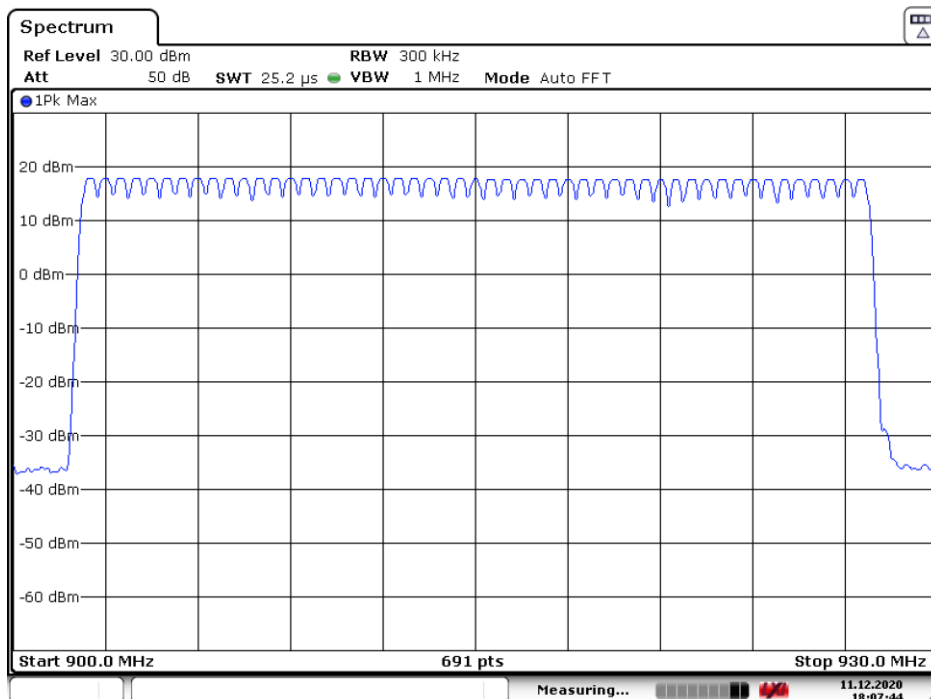
Channel Number: 129



Date: 11.DEC.2020 17:40:33

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

Channel Number: 51



Date: 11.DEC.2020 18:07:44

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 : 2020.12.11

Input voltage : AC120V, 60Hz

Operational mode : Mode B

Temperature : 20°C

Relative humidity : 55%

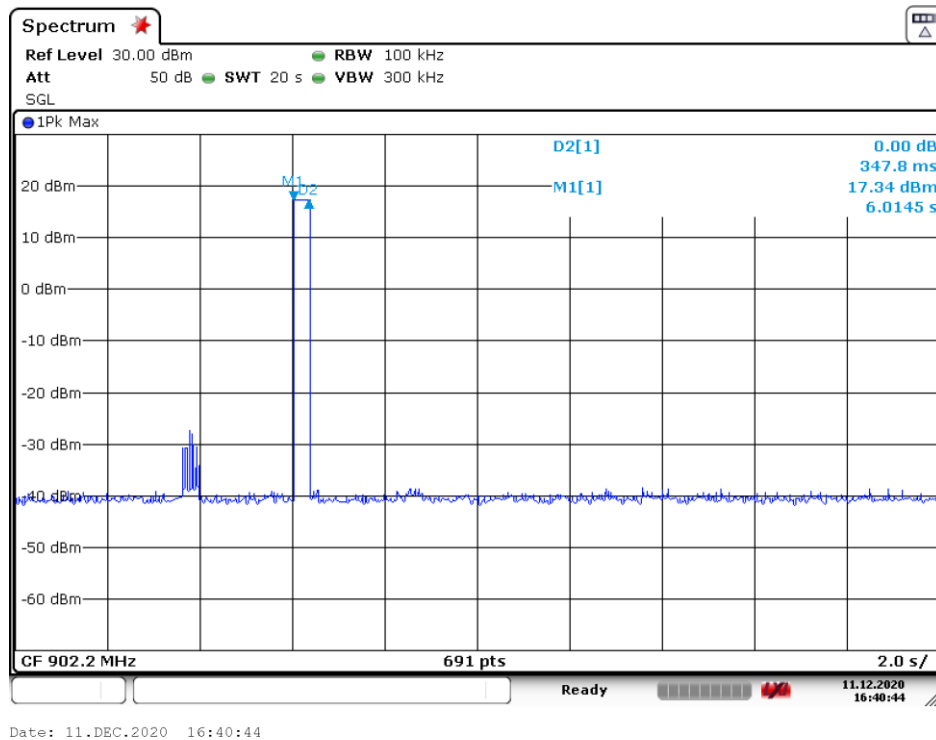
Atmospheric pressure : 102.1 kPa

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

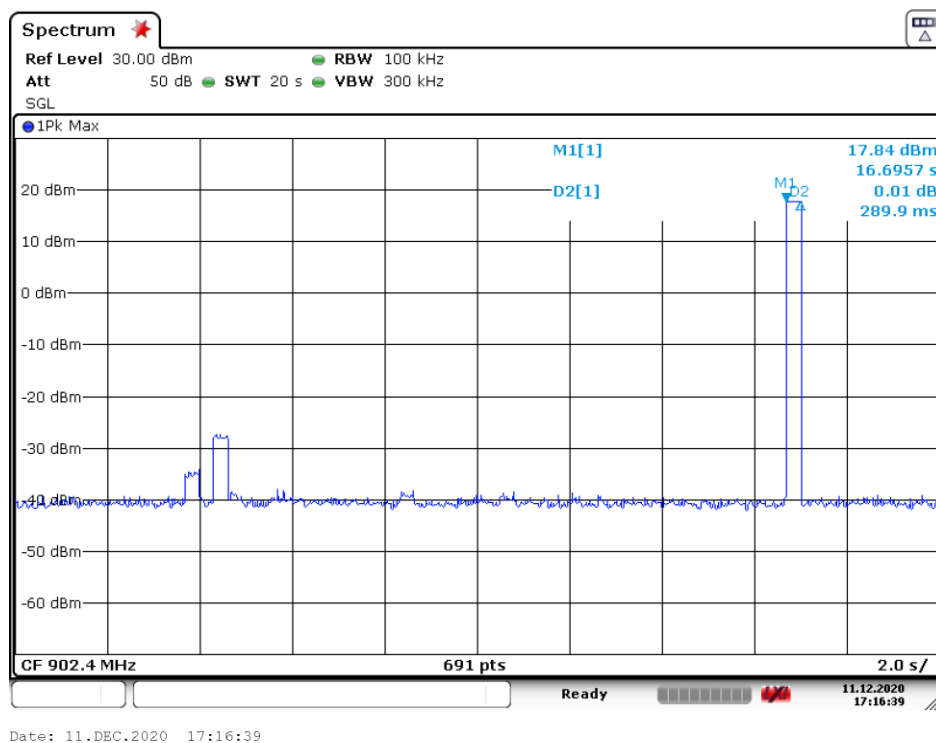
Modulation Type and Operation band	20dB Bandwidth(kHz)	Period (s)	Channel Occupancy Time (ms)	Limit (s)	Result
LoRa 125kHz FHSS 902.2MHz~927.8MHz	20dB Bandwidth < 250	20	347.8	0.4	Pass
FSK 150kbps FHSS 902.4MHz~927.6MHz	20dB Bandwidth < 250	20	289.9	0.4	Pass
FSK 50Kbps FHSS 902.2MHz~927.8MHz	20dB Bandwidth < 250	20	289.9	0.4	Pass
FSK 250Kbps FHSS 902.5MHz~927.5MHz	$250 \leq 20\text{dB Bandwidth} < 500$	10	304.3	0.4	Pass

Figure 8: Channel Occupancy Time

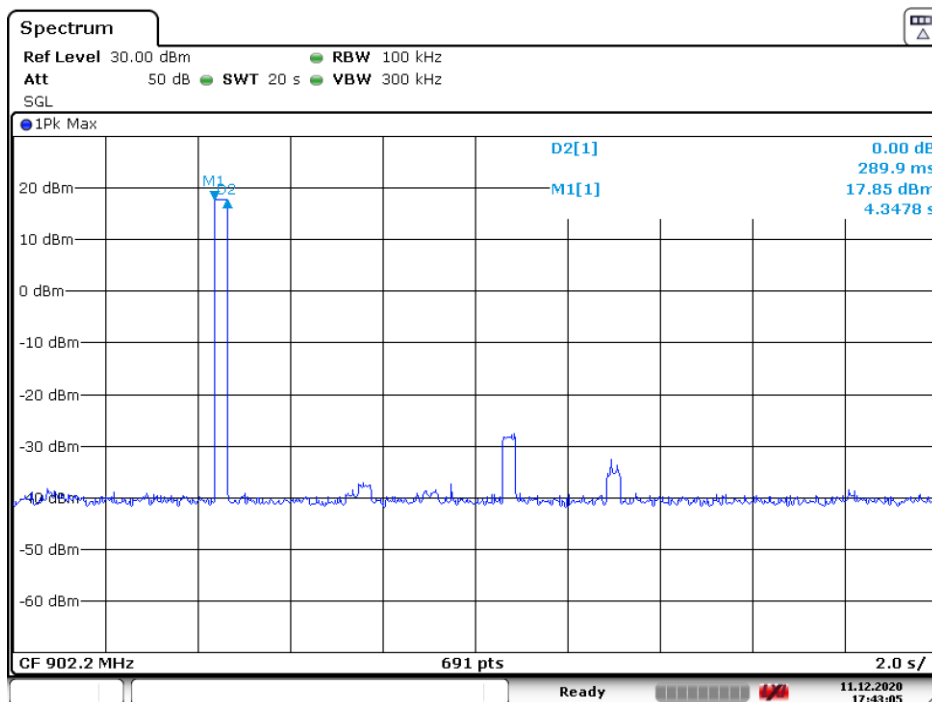
1. LoRa 125kHz FHSS, 902.2MHz~927.8MHz



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

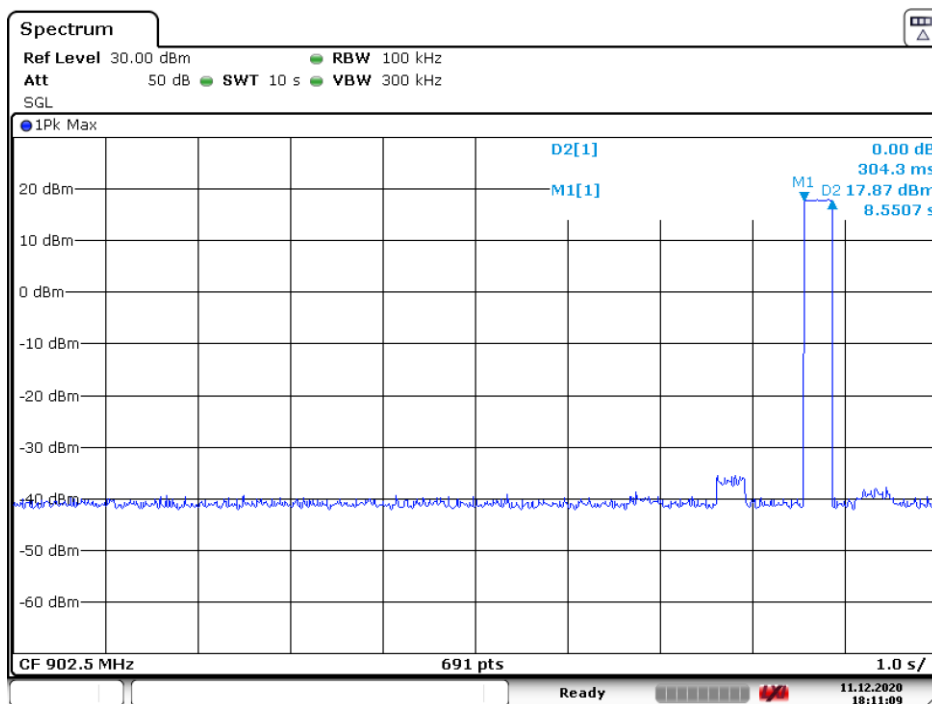


3. FSK 50Kbps FHSS, 902.2MHz~927.8MHz



Date: 11.DEC.2020 17:43:05

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



Date: 11.DEC.2020 18:11:09

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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 : 2020.12.08

adaptor voltage : AC 120V, 60Hz

USB port Input voltage : DC 5V

Battery Voltage : DC 3.7V

Operational mode : Mode C, Mode D

Temperature : 19°C

Relative humidity : 58%

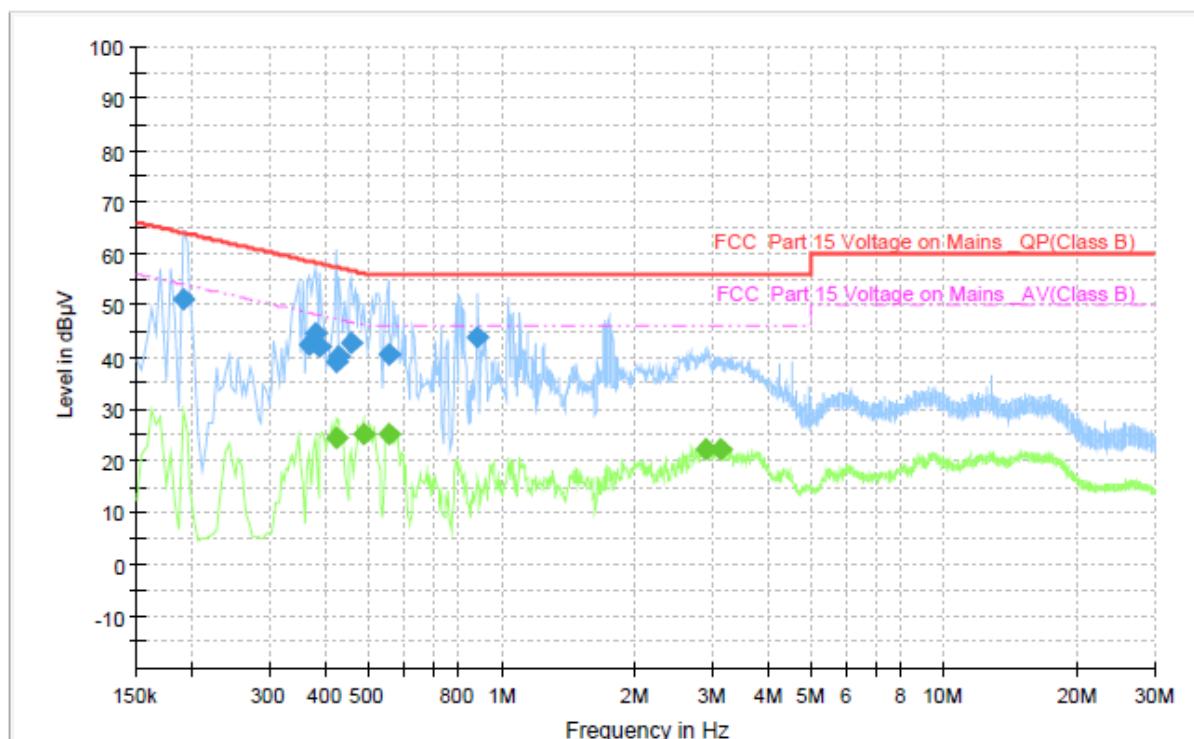
Atmospheric pressure : 102.1 kPa

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

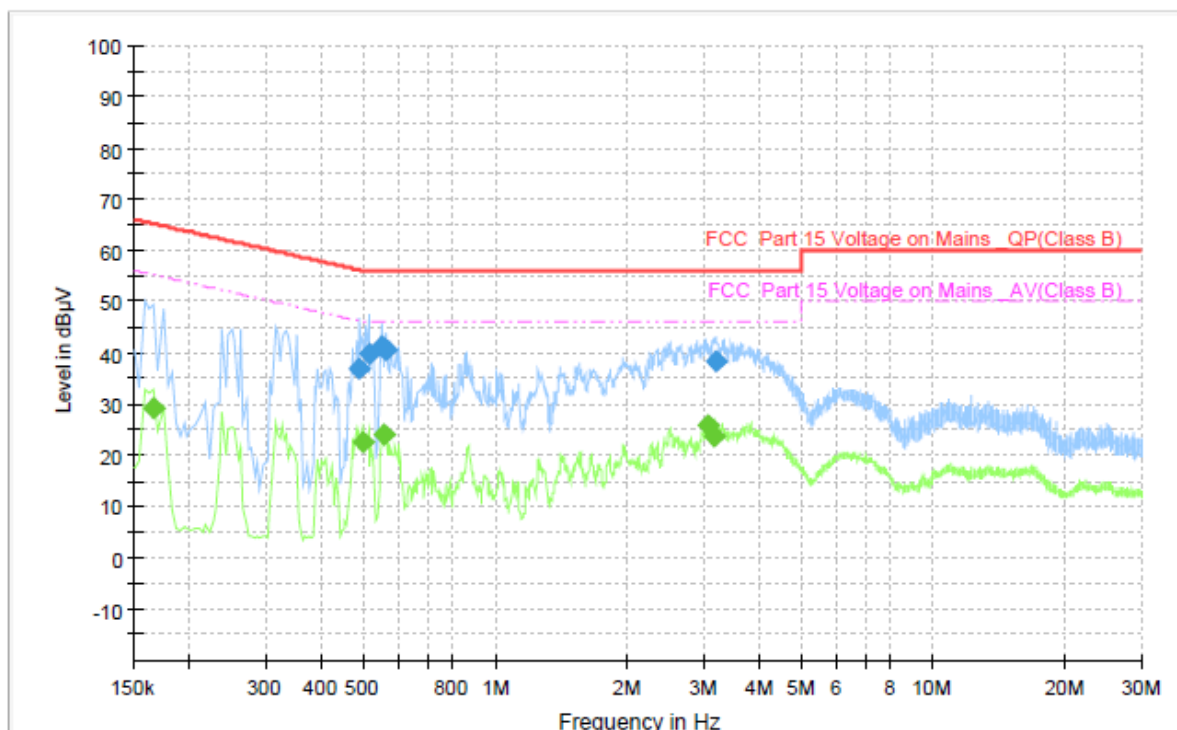


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.190000	51.10	---	64.04	49.42	1000.0	9.000	L1	ON	9.6
0.366000	42.22	---	58.59	16.37	1000.0	9.000	L1	ON	9.6
0.378000	44.50	---	58.32	50.07	1000.0	9.000	L1	ON	9.6
0.390000	42.02	---	58.06	16.04	1000.0	9.000	L1	ON	9.6
0.422000	39.21	---	57.41	18.20	1000.0	9.000	L1	ON	9.6
0.422000	---	24.37	47.41	23.03	1000.0	9.000	L1	ON	9.6
0.430000	40.10	---	57.25	17.15	1000.0	9.000	L1	ON	9.6
0.458000	42.90	---	56.73	43.33	1000.0	9.000	L1	ON	9.6
0.486000	---	25.29	46.24	20.95	1000.0	9.000	L1	ON	9.6
0.554000	---	25.00	46.00	21.00	1000.0	9.000	L1	ON	9.6
0.554000	40.38	---	56.00	15.62	1000.0	9.000	L1	ON	9.6
0.882000	43.98	---	56.00	12.02	1000.0	9.000	L1	ON	9.7
2.882000	---	22.25	46.00	23.75	1000.0	9.000	L1	ON	9.8
3.134000	---	22.34	46.00	23.66	1000.0	9.000	L1	ON	9.8

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)
0.166000	---	29.30	55.16	25.86	1000.0	9.000	N	ON	9.6
0.490000	36.89	---	56.17	19.28	1000.0	9.000	N	ON	9.6
0.498000	---	22.61	46.03	23.42	1000.0	9.000	N	ON	9.6
0.514000	39.77	---	56.00	16.23	1000.0	9.000	N	ON	9.6
0.550000	41.13	---	56.00	14.87	1000.0	9.000	N	ON	9.6
0.558000	---	24.21	46.00	21.79	1000.0	9.000	N	ON	9.6
0.562000	40.45	---	56.00	15.55	1000.0	9.000	N	ON	9.6
3.046000	---	25.82	46.00	20.18	1000.0	9.000	N	ON	9.8
3.146000	---	23.79	46.00	22.21	1000.0	9.000	N	ON	9.8
3.178000	38.33	---	56.00	17.67	1000.0	9.000	N	ON	9.8

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

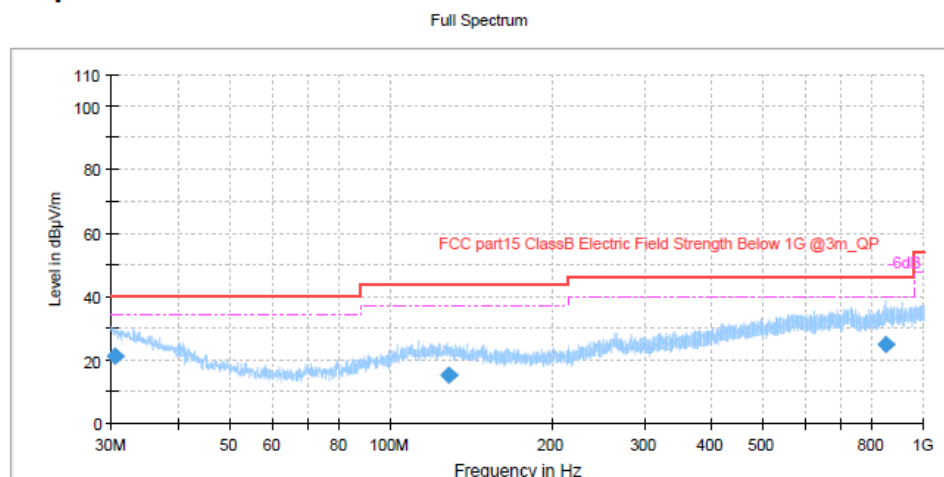
Date of testing	:	2020.12.08-2012.12.11
adaptor voltage	:	AC 120V, 60Hz
USB port Input voltage	:	DC 5V
Battery Voltage	:	DC 3.7V
Operational mode	:	Mode C, Mode D
Test channel	:	Lo, Mi, Hi
Temperature	:	22°C
Relative humidity	:	58%
Atmospheric pressure	:	102.1 kPa

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)

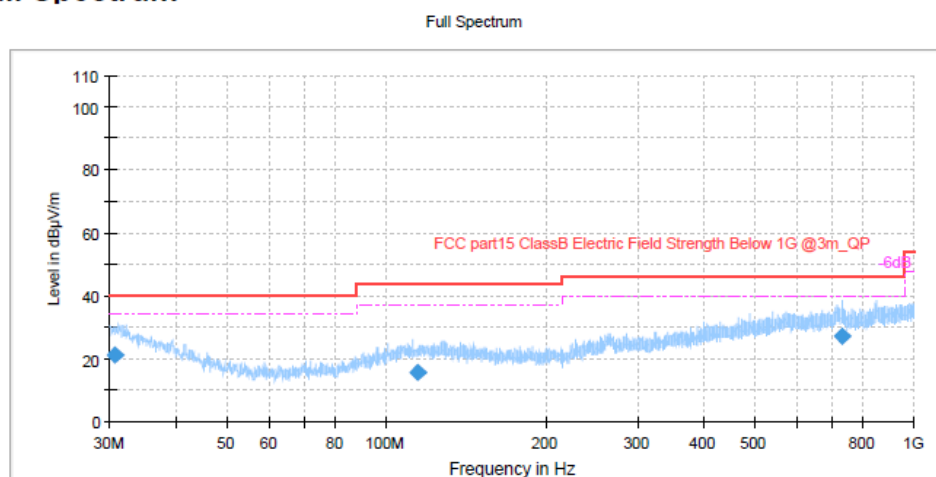
Figure 11: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Horizontal, for Mode D Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.491111	21.13	40.00	18.87	1000.0	120.000	111.0	H	262.0	25.1
128.311667	15.33	43.50	28.17	1000.0	120.000	104.0	H	11.0	19.0
846.556667	24.92	46.00	21.08	1000.0	120.000	117.0	H	182.0	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)
30.574444	21.12	40.00	18.88	1000.0	120.000	146.0	V	218.0	25.0
114.992222	15.53	43.50	27.97	1000.0	120.000	144.0	V	15.0	19.4
728.943333	27.06	46.00	18.94	1000.0	120.000	136.0	V	222.0	28.1

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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)
31.083889	21.03	40.00	18.97	1000.0	120.000	H	24.7
451.361667	39.81	46.00	6.19	1000.0	120.000	H	24.7
729.433333	33.61	46.00	12.39	1000.0	120.000	H	28.1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2707.970000	44.6	1000.0	1000.000	H	-3.3	29.4	74.0
5415.750000	50.7	1000.0	1000.000	H	4.3	23.3	74.0
9318.845000	48.9	1000.0	1000.000	H	10.0	25.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2707.970000	40.7	1000.0	1000.000	H	-3.3	13.3	54.0
5415.750000	47.4	1000.0	1000.000	H	4.3	6.6	54.0
9318.845000	38.3	1000.0	1000.000	H	10.0	15.7	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)
30.857778	21.23	40.00	18.77	1000.0	120.000	V	24.9
121.712778	15.67	43.50	27.83	1000.0	120.000	V	19.3
708.820000	24.45	46.00	21.55	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)
2707.435000	43.3	1000.0	1000.000	V	-3.3	30.7	74.0
5414.155000	51.4	1000.0	1000.000	V	4.3	22.6	74.0
9426.685000	48.6	1000.0	1000.000	V	10.2	25.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2707.435000	37.8	1000.0	1000.000	V	-3.3	16.2	54.0
5414.155000	47.7	1000.0	1000.000	V	4.3	6.3	54.0
9426.685000	37.9	1000.0	1000.000	V	10.2	16.2	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)
30.240000	21.55	40.00	18.45	1000.0	120.000	H	25.2
457.185000	39.54	46.00	6.46	1000.0	120.000	H	24.9
742.298889	33.84	46.00	12.16	1000.0	120.000	H	28.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
5488.000000	51.3	1000.0	1000.000	H	4.3	22.8	74.0
8000.280000	46.8	1000.0	1000.000	H	8.3	27.2	74.0
9376.220000	49.5	1000.0	1000.000	H	10.1	24.5	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
5488.000000	46.8	1000.0	1000.000	H	4.3	7.2	54.0
8000.280000	35.8	1000.0	1000.000	H	8.3	18.2	54.0
9376.220000	38.7	1000.0	1000.000	H	10.1	15.4	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)
30.585000	21.35	40.00	18.65	1000.0	120.000	V	25.0
126.077778	15.53	43.50	27.97	1000.0	120.000	V	19.1
709.923889	24.56	46.00	21.44	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)
2744.095000	45.8	1000.0	1000.000	V	-3.1	28.2	74.0
5488.000000	52.2	1000.0	1000.000	V	4.3	21.8	74.0
9320.970000	49.7	1000.0	1000.000	V	10.1	24.3	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2744.095000	43.1	1000.0	1000.000	V	-3.1	10.9	54.0
5488.000000	49.1	1000.0	1000.000	V	4.3	4.9	54.0
9320.970000	38.5	1000.0	1000.000	V	10.1	15.5	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)
31.556667	22.94	40.00	17.06	1000.0	120.000	H	24.5
463.365000	37.18	46.00	8.82	1000.0	120.000	H	25.1
729.702778	33.86	46.00	12.14	1000.0	120.000	H	28.1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2779.685000	44.9	1000.0	1000.000	H	-2.9	29.1	74.0
5557.595000	50.1	1000.0	1000.000	H	4.4	23.9	74.0
9272.625000	49.4	1000.0	1000.000	H	10.0	24.6	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2779.685000	40.0	1000.0	1000.000	H	-2.9	14.0	54.0
5557.595000	46.4	1000.0	1000.000	H	4.4	7.6	54.0
9272.625000	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)
31.057778	21.07	40.00	18.93	1000.0	120.000	V	24.8
129.716111	15.41	43.50	28.09	1000.0	120.000	V	18.9
729.108333	27.29	46.00	18.71	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)
2780.220000	47.8	1000.0	1000.000	V	-2.9	26.2	74.0
5558.655000	53.3	1000.0	1000.000	V	4.4	20.7	74.0
8336.560000	50.0	1000.0	1000.000	V	8.7	24.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2780.220000	45.1	1000.0	1000.000	V	-2.9	8.9	54.0
5558.655000	50.6	1000.0	1000.000	V	4.4	3.4	54.0
8336.560000	43.9	1000.0	1000.000	V	8.7	10.1	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)
30.438889	21.48	40.00	18.52	1000.0	120.000	H	25.1
451.147778	40.23	46.00	5.77	1000.0	120.000	H	24.7
746.620556	35.23	46.00	10.77	1000.0	120.000	H	28.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
5490.125000	51.9	1000.0	1000.000	H	4.3	22.1	74.0
6930.345000	46.6	1000.0	1000.000	H	6.8	27.4	74.0
9313.000000	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)
5490.125000	48.6	1000.0	1000.000	H	4.3	5.5	54.0
6930.345000	35.7	1000.0	1000.000	H	6.8	18.3	54.0
9313.000000	38.4	1000.0	1000.000	H	10.0	15.6	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)
31.786111	22.82	40.00	17.18	1000.0	120.000	V	24.4
118.708889	15.79	43.50	27.71	1000.0	120.000	V	19.4
709.558889	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)
2744.625000	47.7	1000.0	1000.000	V	-3.1	26.3	74.0
5489.595000	51.7	1000.0	1000.000	V	4.3	22.3	74.0
9280.060000	49.0	1000.0	1000.000	V	10.0	25.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2744.625000	45.3	1000.0	1000.000	V	-3.1	8.7	54.0
5489.595000	48.6	1000.0	1000.000	V	4.3	5.4	54.0
9280.060000	38.5	1000.0	1000.000	V	10.0	15.5	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)
31.773889	22.81	40.00	17.19	1000.0	120.000	H	24.4
459.161667	31.54	46.00	14.46	1000.0	120.000	H	25.0
734.966667	33.68	46.00	12.32	1000.0	120.000	H	28.3

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
5490.125000	51.9	1000.0	1000.000	H	4.3	22.1	74.0
6930.345000	46.6	1000.0	1000.000	H	6.8	27.4	74.0
9313.000000	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)
5490.125000	48.6	1000.0	1000.000	H	4.3	5.5	54.0
6930.345000	35.7	1000.0	1000.000	H	6.8	18.3	54.0
9313.000000	38.4	1000.0	1000.000	H	10.0	15.6	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)
32.013889	22.62	40.00	17.38	1000.0	120.000	V	24.2
124.461111	15.62	43.50	27.88	1000.0	120.000	V	19.2
710.716667	25.03	46.00	20.97	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)
2744.625000	47.7	1000.0	1000.000	V	-3.1	26.3	74.0
5489.595000	51.7	1000.0	1000.000	V	4.3	22.3	74.0
9280.060000	49.0	1000.0	1000.000	V	10.0	25.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2744.625000	45.3	1000.0	1000.000	V	-3.1	8.7	54.0
5489.595000	48.6	1000.0	1000.000	V	4.3	5.4	54.0
9280.060000	38.5	1000.0	1000.000	V	10.0	15.5	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)
30.131111	21.70	40.00	18.30	1000.0	120.000	H	25.2
463.893333	40.18	46.00	5.82	1000.0	120.000	H	25.1
744.437222	34.27	46.00	11.73	1000.0	120.000	H	28.4

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2782.875000	45.8	1000.0	1000.000	H	-2.9	28.2	74.0
5567.155000	51.5	1000.0	1000.000	H	4.4	22.5	74.0
9327.345000	49.0	1000.0	1000.000	H	10.1	25.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2782.875000	41.9	1000.0	1000.000	H	-2.9	12.1	54.0
5567.155000	48.6	1000.0	1000.000	H	4.4	5.4	54.0
9327.345000	38.5	1000.0	1000.000	H	10.1	15.5	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)
31.207222	20.98	40.00	19.02	1000.0	120.000	V	24.7
709.960556	25.54	46.00	20.46	1000.0	120.000	V	27.8
845.523889	26.18	46.00	19.82	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)
2783.405000	48.0	1000.0	1000.000	V	-2.9	26.0	74.0
5567.155000	50.7	1000.0	1000.000	V	4.4	23.3	74.0
9291.220000	49.0	1000.0	1000.000	V	10.0	25.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2783.405000	45.6	1000.0	1000.000	V	-2.9	8.4	54.0
5567.155000	47.4	1000.0	1000.000	V	4.4	6.6	54.0
9291.220000	37.9	1000.0	1000.000	V	10.0	16.1	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)
32.017222	22.67	40.00	17.33	1000.0	120.000	H	24.2
451.215556	41.60	46.00	4.40	1000.0	120.000	H	24.7
752.996667	35.17	46.00	10.83	1000.0	120.000	H	28.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
5414.155000	51.1	1000.0	1000.000	H	4.3	22.9	74.0
8248.905000	47.6	1000.0	1000.000	H	8.5	26.4	74.0
9331.595000	49.1	1000.0	1000.000	H	10.1	24.9	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
5414.155000	47.6	1000.0	1000.000	H	4.3	6.5	54.0
8248.905000	36.7	1000.0	1000.000	H	8.5	17.4	54.0
9331.595000	38.3	1000.0	1000.000	H	10.1	15.7	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)
2706.905000	45.4	1000.0	1000.000	V	-3.3	28.6	74.0
5414.685000	51.5	1000.0	1000.000	V	4.3	22.6	74.0
9203.030000	48.6	1000.0	1000.000	V	9.9	25.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2706.905000	41.4	1000.0	1000.000	V	-3.3	12.7	54.0
5414.685000	48.1	1000.0	1000.000	V	4.3	6.0	54.0
9203.030000	38.1	1000.0	1000.000	V	9.9	16.0	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)
31.675000	22.89	40.00	17.11	1000.0	120.000	H	24.4
457.412778	39.73	46.00	6.27	1000.0	120.000	H	24.9
756.009444	34.50	46.00	11.50	1000.0	120.000	H	28.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2744.095000	46.0	1000.0	1000.000	H	-3.1	28.1	74.0
5489.060000	52.0	1000.0	1000.000	H	4.3	22.0	74.0
9362.935000	49.3	1000.0	1000.000	H	10.1	24.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2744.095000	43.1	1000.0	1000.000	H	-3.1	10.9	54.0
5489.060000	48.6	1000.0	1000.000	H	4.3	5.4	54.0
9362.935000	38.5	1000.0	1000.000	H	10.1	15.5	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)
5489.060000	52.2	1000.0	1000.000	V	4.3	21.8	74.0
8233.500000	48.7	1000.0	1000.000	V	8.5	25.3	74.0
9269.970000	49.5	1000.0	1000.000	V	10.0	24.5	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
5489.060000	49.0	1000.0	1000.000	V	4.3	5.0	54.0
8233.500000	40.2	1000.0	1000.000	V	8.5	13.8	54.0
9269.970000	38.2	1000.0	1000.000	V	10.0	15.8	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)
30.802222	21.30	40.00	18.70	1000.0	120.000	H	24.9
463.785556	40.14	46.00	5.86	1000.0	120.000	H	25.1
728.905000	34.04	46.00	11.96	1000.0	120.000	H	28.1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2782.875000	46.1	1000.0	1000.000	H	-2.9	28.0	74.0
5565.560000	51.5	1000.0	1000.000	H	4.4	22.5	74.0
9241.810000	49.0	1000.0	1000.000	H	10.0	25.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2782.875000	42.8	1000.0	1000.000	H	-2.9	11.2	54.0
5565.560000	48.4	1000.0	1000.000	H	4.4	5.6	54.0
9241.810000	38.0	1000.0	1000.000	H	10.0	16.0	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)
2782.875000	47.7	1000.0	1000.000	V	-2.9	26.3	74.0
5565.560000	52.4	1000.0	1000.000	V	4.4	21.6	74.0
9296.000000	48.8	1000.0	1000.000	V	10.0	25.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2782.875000	45.0	1000.0	1000.000	V	-2.9	9.0	54.0
5565.560000	49.5	1000.0	1000.000	V	4.4	4.5	54.0
9296.000000	38.5	1000.0	1000.000	V	10.0	15.5	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)
30.626667	21.30	40.00	18.70	1000.0	120.000	H	25.0
463.893333	39.86	46.00	6.14	1000.0	120.000	H	25.1
728.771111	34.16	46.00	11.84	1000.0	120.000	H	28.1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
5413.095000	49.0	1000.0	1000.000	H	4.3	25.0	74.0
8082.095000	47.3	1000.0	1000.000	H	8.3	26.8	74.0
9297.060000	48.9	1000.0	1000.000	H	10.0	25.2	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
5413.095000	44.3	1000.0	1000.000	H	4.3	9.8	54.0
8082.095000	36.6	1000.0	1000.000	H	8.3	17.4	54.0
9297.060000	38.6	1000.0	1000.000	H	10.0	15.4	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)
32.498889	22.27	40.00	17.73	1000.0	120.000	V	24.0
728.393889	27.37	46.00	18.63	1000.0	120.000	V	28.0
845.425000	26.73	46.00	19.27	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)
5413.095000	52.0	1000.0	1000.000	V	4.3	22.0	74.0
8127.780000	47.7	1000.0	1000.000	V	8.4	26.3	74.0
9395.875000	49.3	1000.0	1000.000	V	10.1	24.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
5413.095000	48.0	1000.0	1000.000	V	4.3	6.0	54.0
8127.780000	36.9	1000.0	1000.000	V	8.4	17.1	54.0
9395.875000	38.5	1000.0	1000.000	V	10.1	15.5	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)
30.320000	21.55	40.00	18.45	1000.0	120.000	H	25.1
457.480556	40.12	46.00	5.88	1000.0	120.000	H	24.9
748.385000	34.68	46.00	11.32	1000.0	120.000	H	28.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
5490.125000	51.5	1000.0	1000.000	H	4.3	22.5	74.0
8235.095000	47.6	1000.0	1000.000	H	8.5	26.4	74.0
9204.095000	49.4	1000.0	1000.000	H	9.9	24.6	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
5490.125000	47.2	1000.0	1000.000	H	4.3	6.8	54.0
8235.095000	37.6	1000.0	1000.000	H	8.5	16.4	54.0
9204.095000	38.0	1000.0	1000.000	H	9.9	16.0	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)
31.323889	20.93	40.00	19.07	1000.0	120.000	V	24.6
123.503333	15.69	43.50	27.81	1000.0	120.000	V	19.2
728.948333	27.56	46.00	18.44	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)
5490.125000	52.9	1000.0	1000.000	V	4.3	21.1	74.0
7719.250000	46.9	1000.0	1000.000	V	7.9	27.1	74.0
9200.905000	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)
5490.125000	50.0	1000.0	1000.000	V	4.3	4.0	54.0
7719.250000	36.0	1000.0	1000.000	V	7.9	18.0	54.0
9200.905000	37.9	1000.0	1000.000	V	9.9	16.1	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)
32.269444	22.46	40.00	17.54	1000.0	120.000	H	24.1
451.107778	41.92	46.00	4.08	1000.0	120.000	H	24.7
750.013889	33.35	46.00	12.65	1000.0	120.000	H	28.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
5566.625000	51.0	1000.0	1000.000	H	4.4	23.0	74.0
8141.060000	47.7	1000.0	1000.000	H	8.4	26.3	74.0
9395.345000	48.6	1000.0	1000.000	H	10.1	25.4	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
5566.625000	47.3	1000.0	1000.000	H	4.4	6.7	54.0
8141.060000	36.5	1000.0	1000.000	H	8.4	17.6	54.0
9395.345000	38.4	1000.0	1000.000	H	10.1	15.6	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)
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)
2783.405000	48.1	1000.0	1000.000	V	-2.9	25.9	74.0
5566.625000	52.6	1000.0	1000.000	V	4.4	21.4	74.0
9321.500000	49.1	1000.0	1000.000	V	10.1	25.0	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2783.405000	45.3	1000.0	1000.000	V	-2.9	8.7	54.0
5566.625000	49.1	1000.0	1000.000	V	4.4	4.9	54.0
9321.500000	38.1	1000.0	1000.000	V	10.1	15.9	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)
30.343333	21.56	40.00	18.44	1000.0	120.000	H	25.1
451.229444	41.38	46.00	4.62	1000.0	120.000	H	24.7
750.005000	35.08	46.00	10.92	1000.0	120.000	H	28.5

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
5415.220000	51.2	1000.0	1000.000	H	4.3	22.8	74.0
6895.810000	46.6	1000.0	1000.000	H	6.8	27.4	74.0
9171.685000	48.9	1000.0	1000.000	H	9.9	25.1	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
5415.220000	46.8	1000.0	1000.000	H	4.3	7.2	54.0
6895.810000	35.7	1000.0	1000.000	H	6.8	18.4	54.0
9171.685000	37.5	1000.0	1000.000	H	9.9	16.5	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)
5415.220000	51.8	1000.0	1000.000	V	4.3	22.2	74.0
6842.155000	47.4	1000.0	1000.000	V	6.7	26.6	74.0
9197.720000	48.7	1000.0	1000.000	V	9.9	25.3	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
5415.220000	47.2	1000.0	1000.000	V	4.3	6.8	54.0
6842.155000	35.5	1000.0	1000.000	V	6.7	18.5	54.0
9197.720000	38.0	1000.0	1000.000	V	9.9	16.0	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)
31.261111	20.92	40.00	19.08	1000.0	120.000	H	24.6
129.201667	15.51	43.50	27.99	1000.0	120.000	H	19.0
457.480556	40.11	46.00	5.89	1000.0	120.000	H	24.9

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
5490.655000	50.3	1000.0	1000.000	H	4.3	23.7	74.0
8276.000000	47.4	1000.0	1000.000	H	8.6	26.6	74.0
9153.095000	48.2	1000.0	1000.000	H	9.8	25.8	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
5490.655000	46.0	1000.0	1000.000	H	4.3	8.0	54.0
8276.000000	36.4	1000.0	1000.000	H	8.6	17.6	54.0
9153.095000	37.4	1000.0	1000.000	H	9.8	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)
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)
2745.155000	46.4	1000.0	1000.000	V	-3.1	27.6	74.0
5489.595000	52.3	1000.0	1000.000	V	4.3	21.7	74.0
9186.030000	48.5	1000.0	1000.000	V	9.9	25.5	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2745.155000	42.8	1000.0	1000.000	V	-3.1	11.3	54.0
5489.595000	49.0	1000.0	1000.000	V	4.3	5.1	54.0
9186.030000	37.7	1000.0	1000.000	V	9.9	16.3	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)
31.598333	22.95	40.00	17.05	1000.0	120.000	H	24.5
463.731667	39.58	46.00	6.42	1000.0	120.000	H	25.1
729.662778	34.19	46.00	11.81	1000.0	120.000	H	28.1

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
5564.500000	50.8	1000.0	1000.000	H	4.4	23.2	74.0
8237.750000	47.1	1000.0	1000.000	H	8.5	26.9	74.0
9293.345000	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)
5564.500000	47.1	1000.0	1000.000	H	4.4	6.9	54.0
8237.750000	36.8	1000.0	1000.000	H	8.5	17.2	54.0
9293.345000	38.1	1000.0	1000.000	H	10.0	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)
2782.345000	46.7	1000.0	1000.000	V	-2.9	27.3	74.0
5565.030000	52.2	1000.0	1000.000	V	4.4	21.8	74.0
9356.560000	49.3	1000.0	1000.000	V	10.1	24.7	74.0

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2782.345000	43.9	1000.0	1000.000	V	-2.9	10.1	54.0
5565.030000	49.0	1000.0	1000.000	V	4.4	5.0	54.0
9356.560000	38.4	1000.0	1000.000	V	10.1	15.6	54.0

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