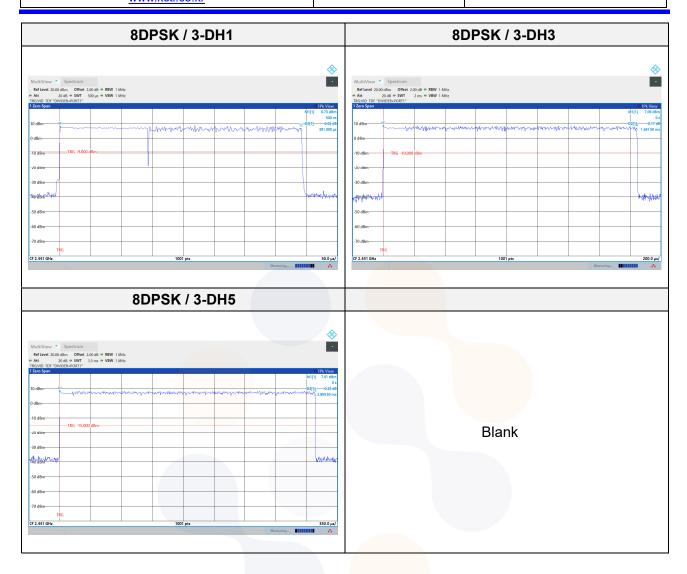
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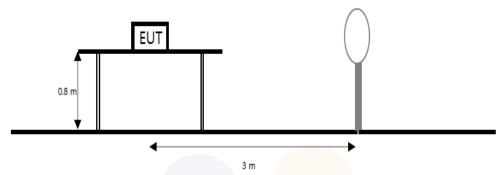
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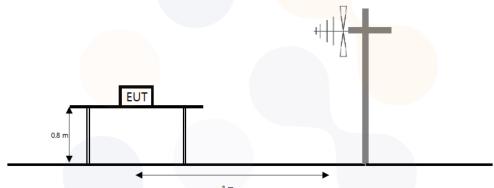
7.6. Radiated spurious emissions & band edge

Test setup

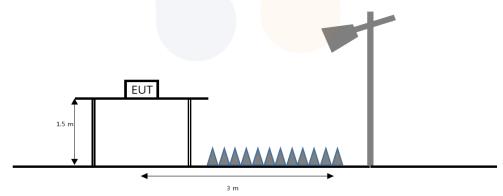
The diagram below shows the test setup that is utilized to make the measurements for emission from 9 kHz to 30 MHz Emissions



The diagram below shows the test setup that is utilized to make the measurements for emission from 30 Mb to 1 Gb emissions.



The diagram below shows the test setup that is utilized to make the measurements for emission from 1 to the tenth harmonic of the highest fundamental frequency or to 40 to emissions, whichever is lower.



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Limit FCC

According to section 15.209(a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (脈)	Field strength (μV/m)	Measurement distance (m)		
0.009 - 0.490	2 400/F(kHz)	300		
0.490 - 1.705	24 000/F(kHz)	30		
1.705 - 30	30 `	30		
30 - 88	100**	3		
88 - 216	150**	3		
216 - 960	200**	3		
Above 960	500	3		

^{**}Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 Mb, 76–88 Mb, 174–216 Mb or 470–806 Mb. However, operation within these frequency bands is permitted under other sections of this part, e.g., Section15.231 and 15.241.

According to section 15.205(a) and (b), only spurious emissions are permitted in any of the frequency bands listed below:

ballus listeu below.			
MHz	MHz	MHz	GHz
0.009 - 0.110	16.42 - 16.423	399.9 - 41 <mark>0</mark>	4.5 - 5.15
0.495 - 0.505	16.694 75 - 16.695 25	608 - 614	5.35 - 5.46
2.173 5 - 2.190 5	16.804 25 - 16.804 75	960 – 1 240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1 300 – 1 427	8.025 - 8.5
4.177 25 - 4.177 75	37.5 - 38.25	1 435 – 1 626.5	9.0 - 9.2
4.207 25 - 4.207 75	73 - 74.6	1 645.5 – 1 646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1 660 – 1 710	10.6 - 12.7
6.267 75 - 6.268 25	108 - 121.94	1 718.8 – 1 722.2	13.25 - 13.4
6.311 75 - 6.312 25	123 - 138	2 200 – 2 300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2 310 – 2 390	15.35 - 16.2
8.362 - 8.366	156.524 75 - 156.525	2 483.5 – 2 500	17.7 - 21.4
8.376 25 - 8.386 75	25	2 690 – 2 900	22.01 - 23.12
8.414 25 - 8.414 75	156.7 - 156.9	<u>3 260 – 3 267</u>	23.6 - 24.0
12.29 - 12.293	162.012 5 - 167.17	3 332 – 3 339	31.2 - 31.8
12.519 75 - 12.520 25	167.72 - 173.2	3 345.8 – 3 358	36.43 - 36.5
12.576 75 - 12.577 25	240 - 285	3 600 – 4 400	Above 38.6
13.36 - 13.41	322 - 335.4		

The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in section 15.209. At frequencies equal to or less than 1 000 Mb, compliance with the limits in section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasipeak detector. Above 1 000 Mb, compliance with the emission limits in section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in section 15.35 apply to these measurements.

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According to RSS-247(5.5), In any 100 & bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 & bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

According to RSS-Gen(8.9), Except where otherwise indicated in the applicable RSS, radiated emissions shall comply with the field strength limits shown in table 5 and table 6. Additionally, the level of any transmitter unwanted emission shall not exceed the level of the transmitter's fundamental emission.

Table 5- General field strength limits at frequencies above 30 Mb

•	•
Frequency(쌘)	Field strength (μV/m at 3 m)
30 to 88	100
88 to 216	150
216 to 960	200
Above 960	500

Table 6- General field strength limits at frequencies below 30 Mb

Frequency	Magnetic field strength (H-Field) (μΑ/m)	Measurement distance(m)
9 – 490 kHz 1)	6.37/F (F in klb)	300
490 – 1705 kHz	63.7/F (F in 龇)	30
1.705 - 30 MHz	0.08	30

Note 1: The emission limits for the ranges 9-90 kl and 110-490 kl are based on measurements employing a linear average detector.

According to RSS-Gen(8.10), Restricted frequency bands, identified in table 7, are designated primarily for safety-of-life services (distress calling and certain aeronautical activities), certain satellite downlinks, radio astronomy and some government uses. Except where otherwise indicated, the following conditions related to the restricted frequency bands apply:

- (a) The transmit frequency, including fundamental components of modulation, of licence-exempt radio apparatus shall not fall within the restricted frequency bands listed in table 7 except for apparatus compliant with RSS-287, Emergency Position Indicating Radio Beacons (EPIRB), Emergency Locator Transmitters (ELT), Personal Locator Beacons (PLB), and Maritime Survivor Locator Devices (MSLD).
- (b) Unwanted emissions that fall into restricted frequency bands listed in table 7 shall comply with the limits specified in table 5 and table 6.
- (c) Unwanted emissions that do not fall within the restricted frequency bands listed in table 7 shall comply either with the limits specified in the applicable RSS or with those specified in table 5 and table 6.

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Table 7- Restricted frequency bands*

MHz
0.090 - 0.110
0.495 - 0.505
2.1735 - 2.1905
3.020 - 3.026
4.125 - 4.128
4.17725 - 4.17775
4.20725 - 4.20775
5.677 - 5.683
6.215 - 6.218
6.26775 - 6.26825
6.31175 - 6.31225
8.291 - 8.294
8.362 - 8.366
8.37625 - 8.38675
8.41425 - 8.41475
12.29 - 12.293
12.51975 - 12.52025
12.57675 - 12.57725
13.36 - 13.41
16.42 - 16.423
16.69475 - 16.69525
16.80425 - 16.80475
25.5 - 25.67
37.5 - 38.25
73 - 74.6
74.8 - 75.2
108 - 138

MHz	
149.9 - 150.05	
156.52475 - 156.52525	
156.7 - 156.9	
162.0125 - 167.17	
167.72 - 173.2	
240 - 285	
322 - 335.4	
399.9 - 410	
608 - 614	
960 - 14 <mark>27</mark>	
1435 - 1 <mark>626.5</mark>	
1645.5 - 1646.5	
1660 - 1710	
1718.8 - 1722.2	
2200 - 2300	
2310 - 2390	
2483.5 - 2500	
2655 - 2900	
3260 - 3267	
3332 - 3339	
3345.8 - 3358	
3500 - 44 00	
4500 - 5150	_
5350 - 5460	
7250 - 7750	
8025 - 8500	

GHz
9.0 - 9.2
9.3 - 9.5
10.6 - 12.7
13.25 - 13.4
14.47 - 14.5
15.35 - 16.2
17.7 - 21.4
22.01 - 23.12
23.6 - 24.0
31.2 - 31.8
36.43 - 36.5
Above 38.6

* Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licenceexempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

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Test procedure

ANSI C63.10-2013

Test settings

Peak field strength measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = as specified in table
- 3. VBW ≥ (3×RBW)
- 4. Detector = peak
- 5. Sweep time = auto
- 6. Trace mode = max hold
- 7. Allow sweeps to continue until the trace stabilizes

Table. RBW as a function of frequency

Frequency	RBW
9 kHz to 150 kHz	200 Hz to 300 Hz
0.15 Mb to 30 Mb	9 kHz to 10 kHz
30 Mb to 1 000 Mb	100 kHz to 120 kHz
> 1 000 MHz	1 MHz

Average field strength measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1 Mbz
- 3. VBW = 1/T ≥ 1 Hz
- 4. Averaging type was set to RMS to ensure that video filtering was applied in the power domain
- 5. Detector = peak
- 6. Sweep time = auto
- 7. Trace mode = max hold
- 8. Trace was allowed to run for at least 50 times(1/duty cycle) traces

Notes:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 № for Peak detection and frequency above 1 №. The resolution bandwidth of test receiver/spectrum analyzer is 1 № and the video bandwidth is 3 №(≥1/T) for Average detection (AV) at frequency above 1 №.

According to ANSI C63.10-2013, for average measurement during radiation test, Reduced VBW shall be greater than [1/(minimum transmitter on time)] and no less than 1 $\,\mathrm{Hz}$.

2. f < 30 Mb, extrapolation factor of 40 dB/decade of distance. $F_d = 40\log(D_m/D_s)$

f≥30 MHz, extrapolation factor of 20 dB/decade of distance. F_d = 20log(D_m/D_s)

Where:

F_d= Distance factor in dB

D_m= Measurement distance in meters

D_s= Specification distance in meters

- 3. Factors(dB) = Antenna factor(dB/m) + Cable loss(dB) + or Amp. gain(dB) + or $F_d(dB)$
- 4. The worst-case emissions are reported however emissions whose levels were not within 20 $\,\mathrm{d}B$ of respective limits were not reported.
- 5. Average test would be performed if the peak result were greater than the average limit.
- 6. 1) means restricted band.

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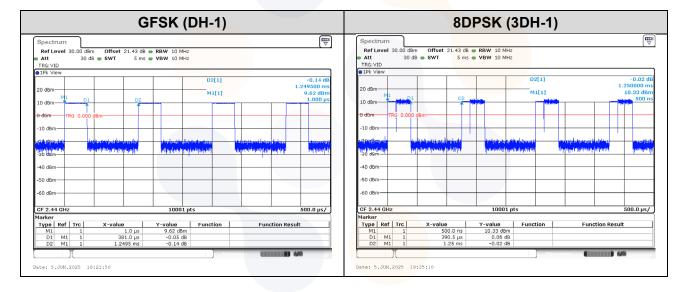
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- 8. Below 30 Mb frequency range, In order to search for the worst result, all orientations about parallel, perpendicular, and ground-parallel were investigated then reported. when the emission level was higher than 20 dB of the limit, then the following statement shall be made: "No spurious emissions were detected within 20 dB of the limit."
- 9. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω . For example, the measurement frequency X klb resulted in a level of Y dB μ N/m, which is equivalent to Y 51.5 = Z dB μ A/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Test mode	Period (^{ms})	T _{On} time (ms)	Reduced VBW (Hz)	
GFSK	1.249 5	0.381 0	2 624.671 9	
8DPSK	1.250 0	0.390 5	2 560.819 5	



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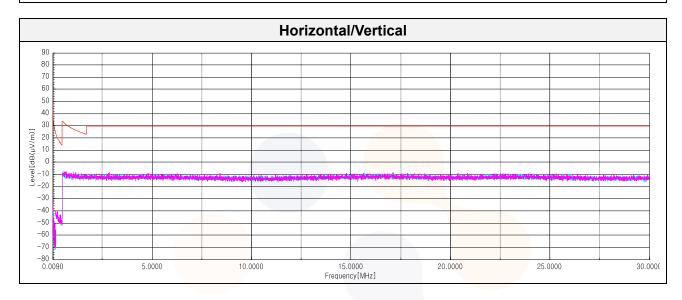
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Test results (Below 30 Mb) - Worst case: GFSK 2 402 Mb

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
	Quasi peak data							
	No spurious emissions were detected within 20 dB of the limit.							



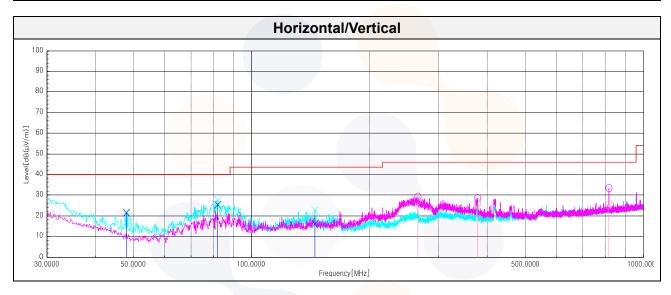
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Test results (Below 1 000 1 Mb) - Worst case: GFSK 2 402 1 Mb

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
	Quasi peak data							
47.95	V	38.50	15.02	-31.99	-	21.53	40.00	18.47
82.02	V	43.80	13.30	-31.80	-	25.30	40.00	14.70
145.19	V	30.30	17.08	-31.50	-	15.88	43.50	27.62
265.47 ¹⁾	Н	39.30	19.31	-31.21	-	27.40	46.00	18.60
377.62	Н	36.40	20.90	-31.11	-	26.19	46.00	19.81
816.19	Н	29.00	25.90	-30.01	-	24.89	46.00	21.11



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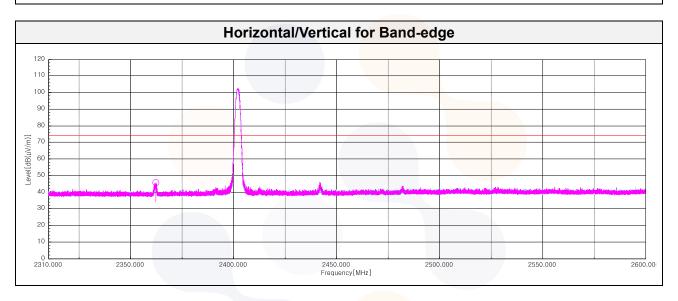


Test results (Above 1 000 脏)

GFSK Low Channel

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
2 362.271)	Н	48.90	27.00	-30.09	-	45.81	74.00	28.19
4 804.031)	Н	64.80	32.22	-45.79	-	51.23	74.00	22.77
7 202.33	Н	55.00	37.01	-43.70	-	48.31	74.00	25.69
Average Data								

No spurious emissions were detected within 20 $\,\mathrm{d}\mathbb{B}\,$ of the limit.

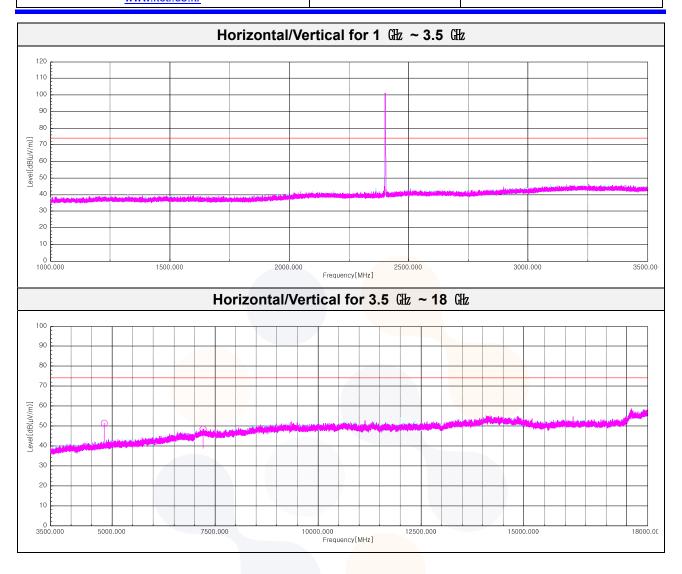


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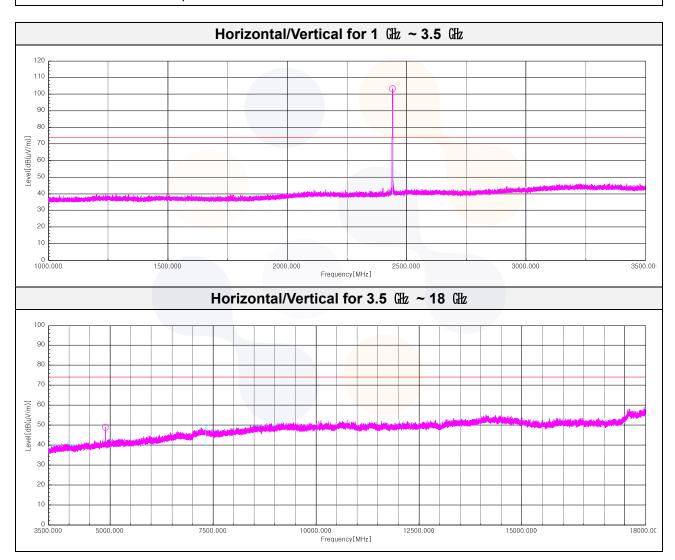
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GFSK_Mid Channel

Frequency	Pol.	Reading	Ant Factor	Amp. + Cable	DCCF	Result	Limit	Margin	
rrequericy	1 01.	Reading	Ant. ractor	Allip Cable	DOOI	Result	Lilling	Margin	
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)	
Peak data									
4 881.371)	Н	61.70	32.69	-45.43	-	48.96	74.00	25.04	
7 323.171)	V	55.50	36.81	-43.67	-	48.64	74.00	25.36	
Average Data									
	No spurious emissions were detected within 20 dB of the limit.								



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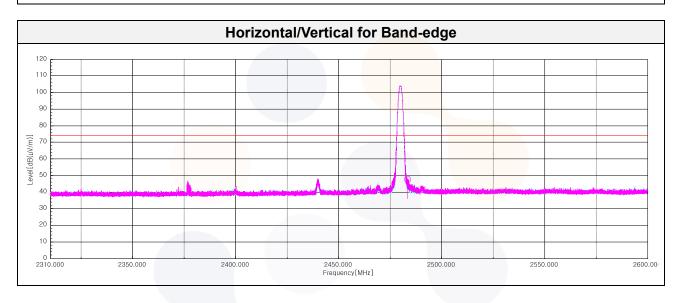
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GFSK_High Channel

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCCF	Result	Limit	Margin	
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)	
Peak data									
2 483.571)	Н	49.80	27.84	-29.90	-	47.74	74.00	26.26	
4 960.15 ¹⁾	V	58.00	32.94	-45.06	-	45.88	74.00	28.12	
7 441.10 ¹⁾	V	57.60	36.62	-43.45	-	50.77	74.00	23.23	
Average Data									
	No spurious emissions were detected within 20 dB of the limit.								

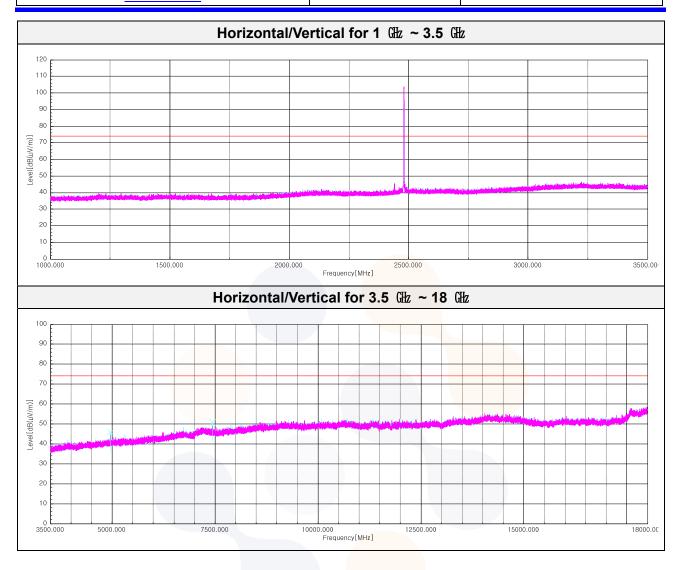


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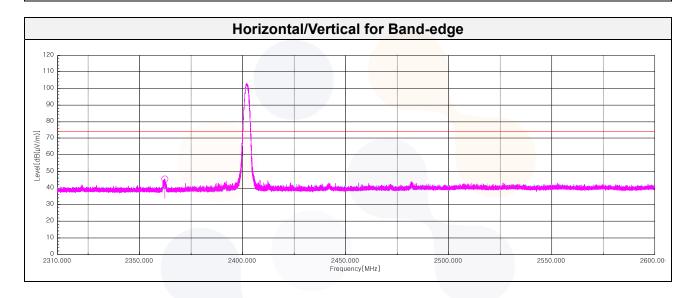
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8DPSK Low Channel

Dr SK_LOW Chamler										
Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCCF	Result	Limit	Margin		
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/ m))	(dB(μV/ m))	(dB)		
Peak data										
2 362.091)	Н	48.60	27.00	-30.09	-	45.51	74.00	28.49		
4 803.951)	Н	65.70	32.22	-45.79	-	52.13	74.00	21.87		
7 184.93	Н	55.10	37.08	-43.66	-	48.52	74.00	25.48		
Average Data										
	No spurious emissions were detected within 20 dB of the limit.									

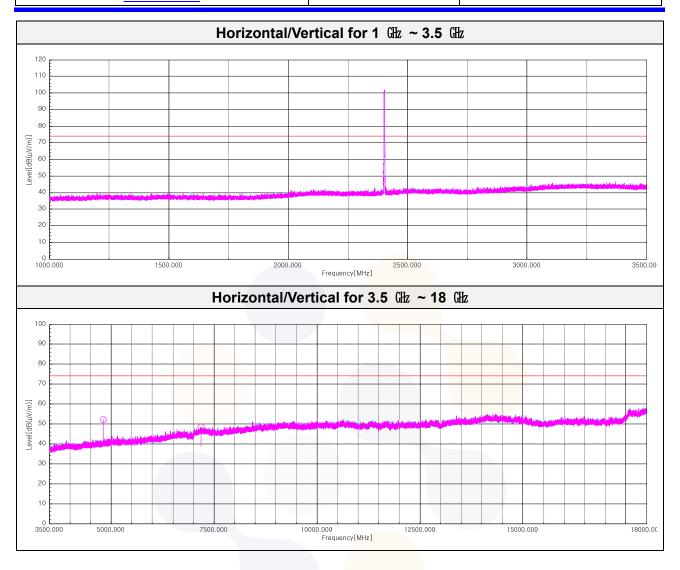


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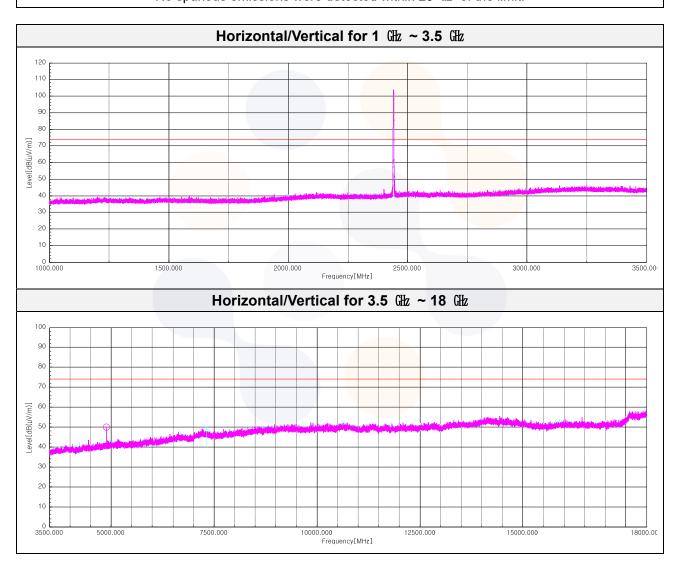
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8DPSK Mid Channel

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
4 881.85 ¹⁾	Н	62.80	32.69	-45.43	-	50.06	74.00	23.94
7 322.681)	V	56.20	36.81	-43.67	-	49.34	74.00	24.66
Average Data								
	ı	No spurious	s emissions v	were detected	within 20 d	B of the limi	t.	



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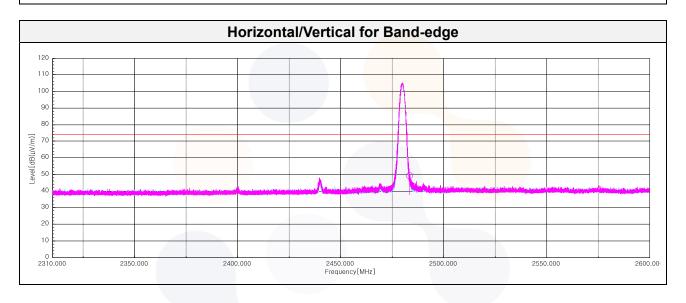
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8DPSK High Channel

Frequency	Pol.	Reading	Ant. Factor	Amp. + Cable	DCCF	Result	Limit	Margin	
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/ m))	(dB(μV/ m))	(dB)	
Peak data									
2 483.571)	Н	51.30	27.84	-29.90	-	49.24	74.00	24.76	
4 960.15 ¹⁾	V	59.70	32.94	-45.06	-	47.58	74.00	26.42	
7 440.13 ¹⁾	V	57.70	36.62	-43.45	-	50.87	74.00	23.13	
Average Data									
	No spurious emissions were detected within 20 dB of the limit.								

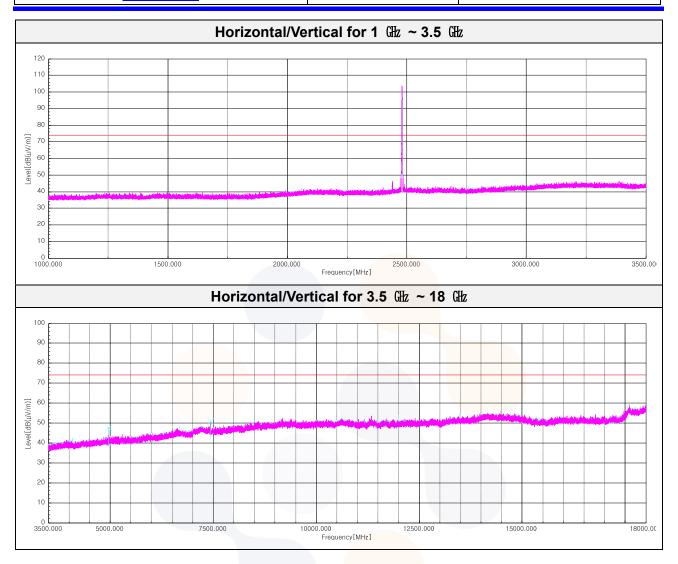


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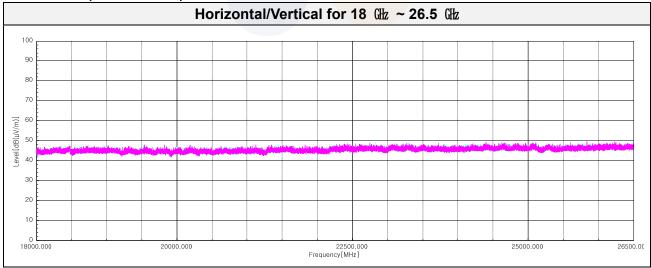
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Test results (Above 18 趾) – Worst case: 8DPSK 2 402 眦



Note: The Worst case was based on the lowest margin condition considering Harmonic and Spurious Emission

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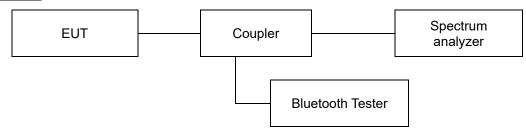
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7.7. Conducted Spurious Emission

Test setup



Limit

According to §15.247(d) and RSS-247(5.5), In any 100 km bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operation, the radio frequency power that is produced by the intentional radiator shall be at least 20 dm below that in the 100 km bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation specified in §15.209(a) is not required. In addition, radiated emission limits specified in §15.209(a) (see §15.205(c)).

Limit: 20 dBc

Test procedure

ANSI C63.10-2013 - Section 6.10.4, 7.8.8

Test settings

Band-edge

- 1) Span: Wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products which fall outside of the authorized band of operation
- 2) Reference level: As required to keep the signal from exceeding the maximum instrument input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log(OBW/RBW)] below the reference level.
- 3) Attenuation: Auto (at least 10 dB preferred)
- 4) Sweep time = Coupled

5) RBW: 100 kHz6) VBW: 300 kHz7) Detector: Peak8) Trace: Max hold

Spurious emissions

1) Span: 30 Mb to 10 times the operating frequency in Gb

2) RBW: 100 kHz 3) VBW: 300 kHz

4) Sweep time : Coupled

5) Detector: Peak

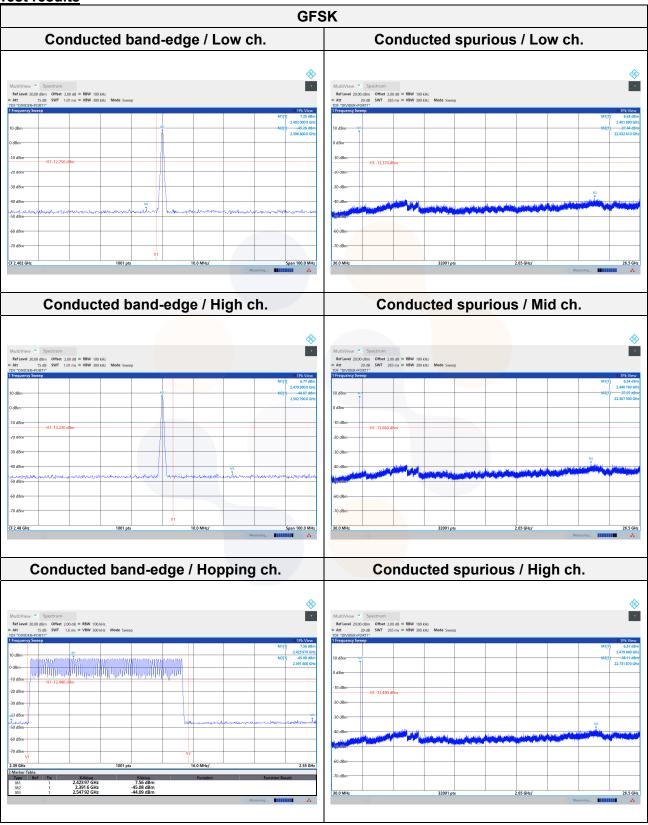
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Test results

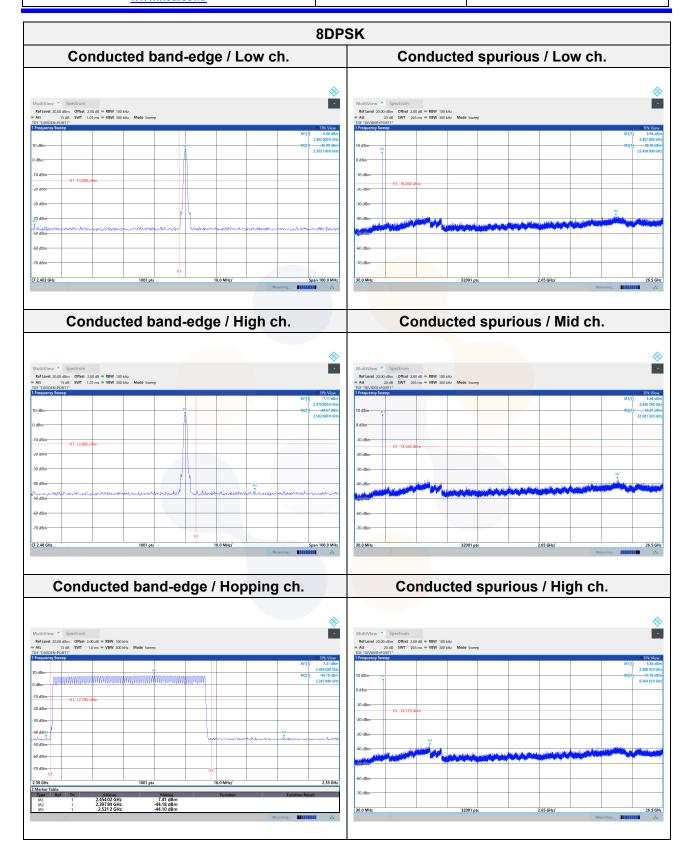


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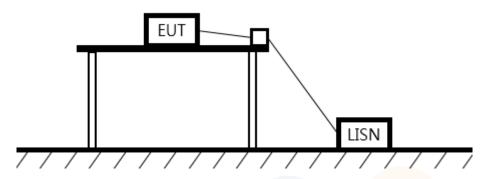
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7.8. AC Conducted emission

Test setup



Limit

According to 15.207(a) and RSS-Gen(8.8), for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50uH/50 ohm line impedance stabilization network (LISN). Compliance with the provision of this paragraph shall on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower applies at the boundary between the frequencies ranges.

Fraguency of Emission (ML)	Conducted limit (dBµV/m)					
Frequency of Emission (咃)	Quasi-peak	Average				
0.15 – 0.50	66 - 56*	56 - 46*				
0.50 – 5.00	56	46				
5.00 – 30.0	60	50				

Measurement procedure

- 1. The EUT was placed on a wooden table of size, 1 m by 1.5 m, raised 80 cm in which is located 40 cm away from the vertical wall and 1.5m away from the side wall of the shielded room.
- 2. Each current-carrying conductor of the EUT power cord was individually connected through a $50\Omega/50\mu H$ LISN, which is an input transducer to a spectrum analyzer or an EMI/Field Intensity Meter, to the input power source.
- 3. Exploratory measurements were made to identify the frequency of the emission that had the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable position, and with a typical system equipment configuration and arrangement. Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that had produced the emission with the highest amplitude relative to the limit was selected for the final measurement.
- 4. The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment is the system) was then performed over the frequency range of 0.15 MHz to 30 MHz.
- 5. The measurements were made with the detector set to peak amplitude within a bandwidth of 10 klb or to quasi-peak and average within a bandwidth of 9 klb. The EUT was in transmitting mode during the measurements.

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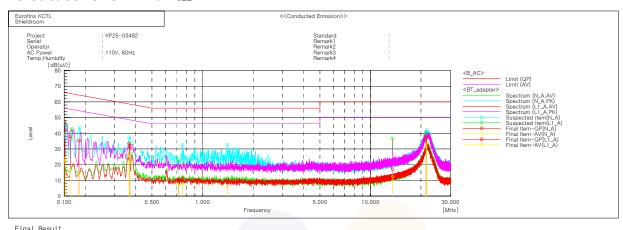
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Test results

Worst case: GFSK 2 402 Mb



FIII8	II Hesuit									
 No.	N_A Phase - Frequency	Reading	Reading	c.f	Result	Result	Limit	Limit	Margin	Margin
1	[MHz] 0.15081	QP [dB(uV)] 36.9	CAV [dB(uV)] 13.9	[dB] 10.0	QP [dB(uV)] 46.9	CAV [dB(uV)] 23.9	QP [dB(uV)] 66.0	AV [dB(uV)] 56.0	QP [dB] 19.1	CAV [dB] 32.1
2 3 4	0.18367 0.36635 0.76154	25.2 23.4 1.4	4.3 15.9 -2.4	10.2 10.0 10.0	35.4 33.4 11.4	14.5 25.9 7.6	64.3 58.6 56.0	54.3 48.6 46.0	28.9 25.2 44.6	39.8 22.7 38.4
4 5 6	1.40113 21.6423	-1.3 27.2	-4.2 22.9	9.9 10.9	8.6 38.1	5.7 33.8	56.0 60.0	46.0 50.0	47.4 21.9	40.3 16.2
	L1_A Phase									
No.	Frequency	Reading QP	Reading CAV	c.f	Result QP	Result CAV	Limit QP	Limit AV	Margin QP	Margin CAV
	[MHz]	[dB(uV)]	[dB(uV)]	[dB]	[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB]	[dB]
1	0.15183	32.3	12.3	10.0	42.3	22.3	65.9	55.9	23.6	33.6
2	0.16286 0.36926	27.9 21.3	6.9 11.5	10.1 10.0	38.0 31.3	17.0 21.5	65.3 58.5	55.3 48.5	27.3 27.2	38.3 27.0
2 3 4	0.71837	0.4	-2.8	10.0	10.4	7.2	56.0	46.0	45.6	38.8
5	13.56152	6.5	1.9	10.5	17.0	12.4	60.0	50.0	43.0	37.6
6	21.4111	25.5	20.7	10.9	36.4	31.6	60.0	50.0	23.6	18.4

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8. Measurement equipment

8. Measurement equipment											
Equipment Name	Manufacturer	Model No.	Serial No.	Next Cal. Date							
Spectrum Analyzer	R&S	FSVA40	101575	26.04.23							
Broadband PreAmplifier	SCHWARZBECK	BBV9718D	57	26.01.16							
Low Noise Amplifier	TESTEK	TK-PA18H	220124-L	25.10.11							
Low Noise Amplifier	TESTEK	TK-PA1840H	220133-L	25.10.14							
Horn Antenna	SCHWARZBECK	BBHA9120D	2763	25.10.24							
Horn Antenna	SCHWARZBECK	BBHA9170	1267	25.10.15							
High Pass Filter	QOTANA TECHNOLOGIES	DBHF0508004000 A	23041800061	26.04.28							
Signal Generator	R&S	SMB100A	176206	26.01.17							
Spectrum Analyzer	R&S	FSVA40	101575	26.04.23							
Bluetooth Tester	TESCOM	TC-3000C	3000C000270	26.06.30							
TWO-LINE V - NETWORK	R&S	ENV216	101358	26.04.22							
EMI TEST RECEIVER	R&S	ESCI3	101408	25.08.12							
Power Sensor	R&S	NRP-Z81	1137.9009.02- 106224-tg	26.07.01							
Attenuator	HUBER+SUHNER	6610_SK-50- 1/199_NE	ATT10	26.03.17							
DC Power Supply	TOYOTECH	TL305TP	21040092	26.06.30							
Signal & Spectrum Analyzer	R&S	FSV3030	1330.5000K30 -101710-Wt	26.06.30							
Directional Coupler	Marki Microwave, Inc.	CBR17-0026	0002	26.04.28							
Spectrum Analyzer	R&S	FSV40	100988	26.04.24							
PSA Spectrum Analyzer	Agilent	E4440A	MY44303500	25.07.02*							
Amplifier	SONOMA INSTRUMENT	310N	421910	25.10.11							
Bilog Antenna	Teseq GmbH	CBL 6112D	61521	26.12.11							
Loop Antenna	R&S	HFH2-Z2	100355	26.06.25							
DC Power Supply	POWERCOM	DCP-50100A	20220610-01	26.01.16							
Vector Signal Generator	R&S	SMBV100A	257566	26.07.01							
Controller	INNCO SYSTEMS	CO3000	1441/5437032 2/P	-							
Antenna Mast	INNCO SYSTEMS	MA4640-XP-ET	AM003	-							
Turn Device	INNCO SYSTEMS	DS1200-S-1t	3	-							

^{*} This equipment was calibrated during the test period, and was used before calibration.

End of test report