7.3.2. Test Procedures for Conducted Spurious Emissions

- 1. The transmitter output was connected to the spectrum analyzer.
- 2. The **reference level** of the fundamental frequency was measured with the spectrum analyzer using RBW = 100 kHz, VBW = 300 kHz.
- 3. The conducted spurious emission was tested each ranges were set as below.

Frequency range: 9 kHz ~ 30 MHz

RBW = 100 kHz, VBW = 300 kHz, SWEEP TIME = AUTO, DETECTOR = PEAK, TRACE = MAX HOLD, SWEEP POINT : 40001

Frequency range: 30 MHz ~ 10 GHz, 10 GHz ~ 25 GHz

RBW = 1 MHz, VBW = 3 MHz, SWEEP TIME = AUTO, DETECTOR = PEAK, TRACE = MAX HOLD, SWEEP POINT : 40001

LIMIT LINE = 20 dB below of the reference level of above measurement procedure Step 2. (RBW = 100 kHz, VBW = 300 kHz)

If the emission level with above setting was close to the limit (ie, less than 3 dB margin) then zoom scan is required using RBW = 100 kHz, VBW = 300 kHz, SPAN = 100 MHz and BINS = 2001 to get accurate emission level within 100 kHz BW.

Also the path loss for conducted measurement setup was used as described on the Appendix I of this test report.

7.4. Test Results

7.4.1. Radiated Emissions

9 kHz ~ 1 GHz Data (Modulation : GFSK)

Lowest Channel

Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	D.C.F (dB)	Distance Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
352.04	Н	Х	PK	41.90	-4.00	N/A	N/A	37.90	46.00	8.10
512.09	V	Х	PK	34.60	-1.00	N/A	N/A	33.60	46.00	12.40
532.46	Н	Χ	PK	30.80	-0.50	N/A	N/A	30.30	46.00	15.70
636.25	Н	Χ	PK	31.10	1.70	N/A	N/A	32.80	46.00	13.20
768.16	V	Х	PK	33.30	4.30	N/A	N/A	37.60	46.00	8.40
778.83	Н	Χ	PK	37.00	4.50	N/A	N/A	41.50	46.00	4.50
-	-	-	-	-	ı	ı	-			-

Report No.: DRTFCC1905-0190(1)

■ Note.

- Exploratory testing has been performed to determine the emissions characteristic of this EUT.
 And Middle channel of 1Mbps was selected for final testing and reported.
- 2. No other unwanted emissions were found above listed frequencies.
- 3. Information of Distance Factor

For finding emissions, the test distance might be reduced from 3m to 1m. In this case, the distance factor(-9.54dB) is applied to the result.

- Calculation of distance factor = $20 \log($ applied distance / required distance) = $20 \log($ 1 m / 3 m) = -9.54 dB When distance factor is "N/A", the distance is 3 m and distance factor is not applied.
- 4. Sample Calculation.

 $\begin{aligned} & \text{Margin} = \text{Limit} - \text{Result} \quad / \quad \text{Result} = \text{Reading} + \text{T.F} + \text{D.C.F} \quad / \quad \text{T.F} = \text{AF} + \text{CL} - \text{AG} \\ & \text{Where, T.F} = \text{Total Factor,} \quad \text{AF} = \text{Antenna Factor,} \quad \text{CL} = \text{Cable Loss,} \quad \text{AG} = \text{Amplifier Gain.} \end{aligned}$

1 ~ 25 GHz Data (Modulation : GFSK)

Lowest Channel

Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	D.C.F (dB)	Distance Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2388.26	Н	Y	PK	52.04	2.76	N/A	N/A	54.80	74.00	19.20
2388.26	Н	Υ	AV	52.04	2.76	-24.79	N/A	30.01	54.00	23.99
4803.65	Н	Z	PK	57.90	1.63	N/A	N/A	59.53	74.00	14.47
4803.65	Н	Z	AV	57.90	1.63	-24.79	N/A	34.74	54.00	19.26
7206.55	Н	Х	PK	49.08	7.67	N/A	N/A	56.75	74.00	17.25
7206.55	Н	Х	AV	49.08	7.67	-24.79	N/A	31.96	54.00	22.04

Middle Channel

Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	D.C.F (dB)	Distance Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
4882.24	Н	Z	PK	55.14	1.61	N/A	N/A	56.75	74.00	17.25
4882.24	Н	Z	AV	55.14	1.61	-24.79	N/A	31.96	54.00	22.04
7323.26	Н	X	PK	50.54	7.92	N/A	N/A	58.46	74.00	15.54
7323.26	Н	X	AV	50.54	7.92	-24.79	N/A	33.67	54.00	20.33

Highest Channel

Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	D.C.F (dB)	Distance Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2483.53	Н	Υ	PK	52.29	3.26	N/A	N/A	55.55	74.00	18.45
2483.53	Н	Υ	AV	52.29	3.26	-24.79	N/A	30.76	54.00	23.24
4959.97	Н	Z	PK	54.24	1.75	N/A	N/A	55.99	74.00	18.01
4959.97	Н	Z	AV	54.24	1.75	-24.79	N/A	31.20	54.00	22.80
7439.40	Н	Х	PK	51.74	7.98	N/A	N/A	59.72	74.00	14.28
7439.40	Н	X	AV	51.74	7.98	-24.79	N/A	34.93	54.00	19.07

■ Note.

- 1. The radiated emissions were investigated up to 25 GHz. And no other spurious and harmonic emissions were found above listed frequencies.
- 2. Information of Distance Factor

For finding emissions, the test distance might be reduced from 3m to 1m. In this case, the distance factor(-9.54dB) is applied to the result.

- Calculation of distance factor = 20 log(applied distance / required distance) = **20 log(1 m / 3 m)** = **-9.54 dB** When distance factor is "N/A", the distance is 3 m and distance factor is not applied.
- 3. D.C.F Calculation. (D.C.F = Duty Cycle Correction Factor)
 - Time to cycle through all channels = $\Delta t = T$ [ms] X 20 minimum hopping channels , where T = pulse width = 2.88 ms
 - 100 ms / Δt [ms] = H -> Round up to next highest integer, to account for worst case, H' = 100 / (2.88 X 20) = 1.74 = 2
 - The Worst Case Dwell Time = $T [ms] \times H' = 2.88 ms \times 2 = 5.76 ms$
 - D.C.F = 20 Log(The Worst Case Dwell Time / 100 ms) dB = 20 log(5.76 / 100) = -24.79 dB
- 4. Sample Calculation.

 $\label{eq:margin} \mbox{Margin} = \mbox{Limit} - \mbox{Result} \ \ \, / \ \ \, \mbox{Result} = \mbox{Reading} + \mbox{T.F} + \mbox{D.C.F} \ \ \, / \ \ \, \mbox{T.F} = \mbox{AF} + \mbox{CL} - \mbox{AG}$

Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain.

1 ~ 25 GHz Data (Modulation : $\pi/4DQPSK$)

Lowest Channel

Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	D.C.F (dB)	Distance Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2388.01	Н	Υ	PK	52.65	2.75	N/A	N/A	55.40	74.00	18.60
2388.01	Н	Υ	AV	52.65	2.75	-24.79	N/A	30.61	54.00	23.39
4804.02	Н	Z	PK	54.75	1.63	N/A	N/A	56.38	74.00	17.62
4804.02	Н	Z	AV	54.75	1.63	-24.79	N/A	31.59	54.00	22.41
7205.74	Н	X	PK	47.23	7.66	N/A	N/A	54.89	74.00	19.11
7205.74	Н	X	AV	47.23	7.66	-24.79	N/A	30.10	54.00	23.90

Middle Channel

Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	D.C.F (dB)	Distance Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
4882.17	Н	Z	PK	54.48	1.61	N/A	N/A	56.09	74.00	17.91
4882.17	Н	Z	AV	54.48	1.61	-24.79	N/A	31.30	54.00	22.70
7322.69	Н	X	PK	49.01	7.92	N/A	N/A	56.93	74.00	17.07
7322.69	Н	Х	AV	49.01	7.92	-24.79	N/A	32.14	54.00	21.86

Highest Channel

Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	D.C.F (dB)	Distance Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2484.12	Н	Υ	PK	52.87	3.27	N/A	N/A	56.14	74.00	17.86
2484.12	Н	Υ	AV	52.87	3.27	-24.79	N/A	31.35	54.00	22.65
4959.88	Н	Z	PK	53.07	1.75	N/A	N/A	54.82	74.00	19.18
4959.88	Н	Z	AV	53.07	1.75	-24.79	N/A	30.03	54.00	23.97
7440.42	Н	X	PK	49.75	7.98	N/A	N/A	57.73	74.00	16.27
7440.42	Н	X	AV	49.75	7.98	-24.79	N/A	32.94	54.00	21.06

Note.

- 1. The radiated emissions were investigated up to 25 GHz. And no other spurious and harmonic emissions were found above listed frequencies.
- 2. Information of Distance Factor

For finding emissions, the test distance might be reduced from 3m to 1m. In this case, the distance factor(-9.54dB) is applied to the result.

- Calculation of distance factor = 20 $\log($ applied distance / required distance) = 20 $\log($ 1 m / 3 m) = -9.54 dB When distance factor is "N/A", the distance is 3 m and distance factor is not applied.
- 3. D.C.F Calculation. (D.C.F = Duty Cycle Correction Factor)
 - Time to cycle through all channels = $\Delta t = T$ [ms] X 20 minimum hopping channels , where T = pulse width = **2.88 ms**
 - 100 ms / Δt [ms] = H -> Round up to next highest integer, to account for worst case, H' = 100 / (2.88 X 20) = 1.74 = 2
 - The Worst Case Dwell Time = T [ms] x H' = 2.88 ms X 2 = 5.76 ms
 - D.C.F = 20 Log(The Worst Case Dwell Time / 100 ms) dB = 20 log(5.76 / 100) = -24.79 dB
- 4. Sample Calculation.

 $\begin{aligned} & \text{Margin} = \text{Limit} - \text{Result} \ / \ \text{Result} = \text{Reading} + \text{T.F} + \text{D.C.F} \ / \ \text{T.F} = \text{AF} + \text{CL} - \text{AG} \\ & \text{Where, T.F} = \text{Total Factor,} \ \text{AF} = \text{Antenna Factor,} \ \text{CL} = \text{Cable Loss,} \ \text{AG} = \text{Amplifier Gain.} \end{aligned}$

1 ~ 25 GHz Data (Modulation: 8DPSK)

Lowest Channel

Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	D.C.F (dB)	Distance Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2387.18	Н	Y	PK	52.11	2.75	N/A	N/A	54.86	74.00	19.14
2387.18	Н	Υ	AV	52.11	2.75	-24.79	N/A	30.07	54.00	23.93
4804.08	Н	Z	PK	55.28	1.63	N/A	N/A	56.91	74.00	17.09
4804.08	Н	Z	AV	55.28	1.63	-24.79	N/A	32.12	54.00	21.88
7206.48	Н	Х	PK	47.37	7.67	N/A	N/A	55.04	74.00	18.96
7206.48	Н	Х	AV	47.37	7.67	-24.79	N/A	30.25	54.00	23.75

Middle Channel

Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	D.C.F (dB)	Distance Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
4881.67	Н	Z	PK	54.87	1.61	N/A	N/A	56.48	74.00	17.52
4881.67	Н	Z	AV	54.87	1.61	-24.79	N/A	31.69	54.00	22.31
7323.17	Н	Х	PK	48.94	7.92	N/A	N/A	56.86	74.00	17.14
7323.17	Н	X	AV	48.94	7.92	-24.79	N/A	32.07	54.00	21.93

Highest Channel

Frequency (MHz)	ANT Pol	EUT Position (Axis)	Detector Mode	Reading (dBuV)	T.F (dB/m)	D.C.F (dB)	Distance Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2483.86	Н	Υ	PK	52.85	3.27	N/A	N/A	56.12	74.00	17.88
2483.86	Н	Υ	AV	52.85	3.27	-24.79	N/A	31.33	54.00	22.67
4959.74	Н	Z	PK	53.75	1.75	N/A	N/A	55.50	74.00	18.50
4959.74	Н	Z	AV	53.75	1.75	-24.79	N/A	30.71	54.00	23.29
7440.14	Н	Х	PK	49.54	7.98	N/A	N/A	57.52	74.00	16.48
7440.14	Н	Х	AV	49.54	7.98	-24.79	N/A	32.73	54.00	21.27

■ Note.

For finding emissions, the test distance might be reduced from 3m to 1m. In this case, the distance factor(-9.54dB) is applied to the result.

- Calculation of distance factor = 20 log(applied distance / required distance) = **20 log(1 m / 3 m)** = **-9.54 dB** When distance factor is "N/A", the distance is 3 m and distance factor is not applied.
- 3. D.C.F Calculation. (D.C.F = Duty Cycle Correction Factor)
 - Time to cycle through all channels = $\Delta t = T$ [ms] X 20 minimum hopping channels, where T = pulse width = **2.88 ms**
 - 100 ms / Δt [ms] = H -> Round up to next highest integer, to account for worst case, H' = 100 / (2.88 X 20) = 1.74 = 2
 - The Worst Case Dwell Time = T [ms] x H' = 2.88 ms X 2 = 5.76 ms
 - D.C.F = 20 Log(The Worst Case Dwell Time / 100 ms) dB = 20 log(5.76 / 100) = -24.79 dB
- 4. Sample Calculation.

 $\begin{aligned} & \text{Margin} = \text{Limit} - \text{Result} \quad / \quad \text{Result} = \text{Reading} + \text{T.F} + \text{D.C.F} \quad / \quad \text{T.F} = \text{AF} + \text{CL} - \text{AG} \\ & \text{Where, T.F} = \text{Total Factor,} \quad \text{AF} = \text{Antenna Factor,} \quad \text{CL} = \text{Cable Loss,} \quad \text{AG} = \text{Amplifier Gain.} \end{aligned}$

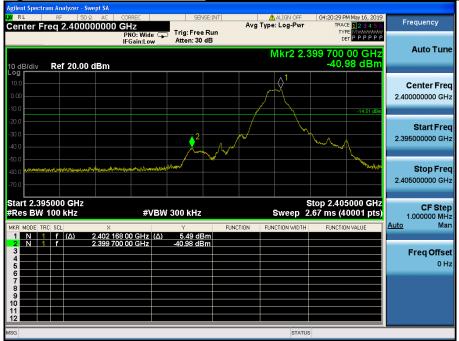
^{1.} The radiated emissions were investigated up to 25 GHz. And no other spurious and harmonic emissions were found above listed frequencies.

^{2.} Information of Distance Factor



7.4.2. Conducted Spurious Emissions



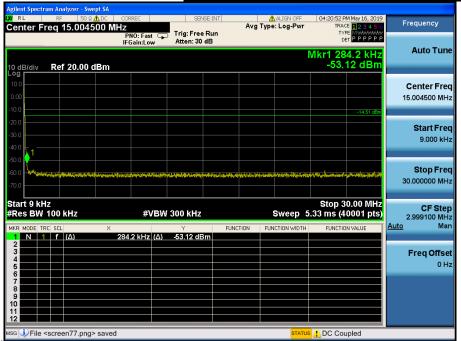


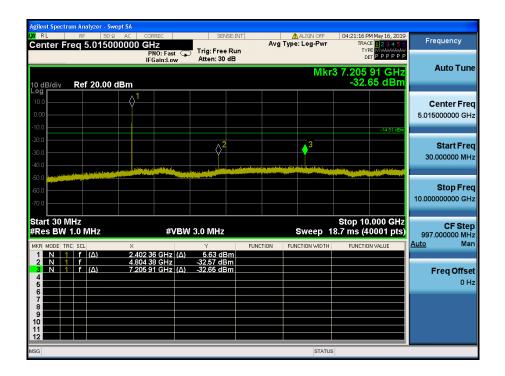
Low Band-edge <u>Hopping mode & Modulation : GFSK</u>

















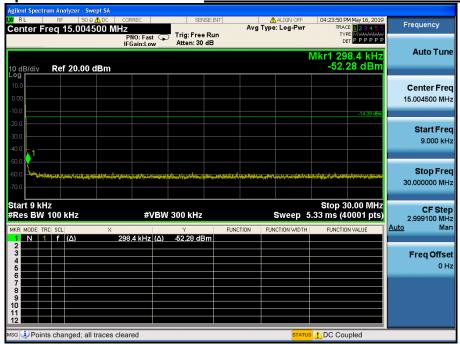


Reference for limit

Middle Channel & Modulation : GFSK

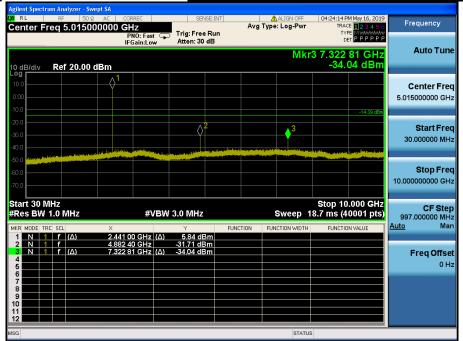


Conducted Spurious Emissions <u>Middle Channel & Modulation : GFSK</u>







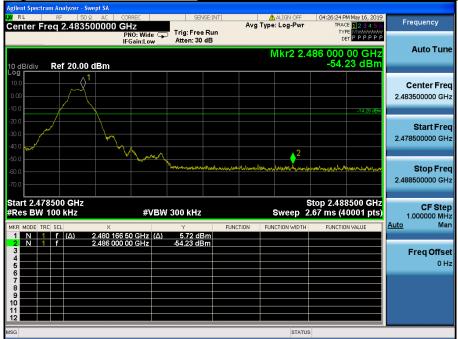








Highest Channel & Modulation : GFSK



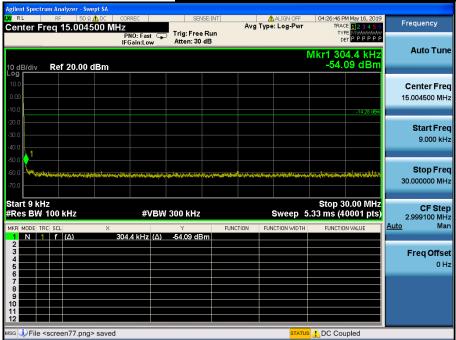
High Band-edge

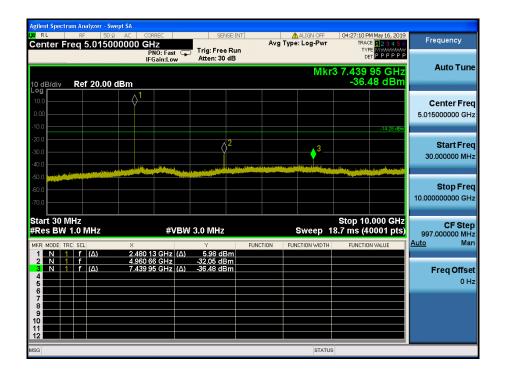
Hopping mode & Modulation : GFSK





















Lowest Channel & Modulation : π/4DQPSK



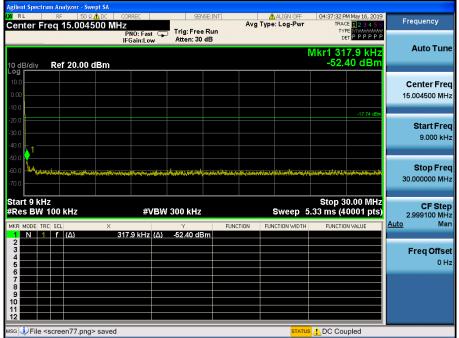
Low Band-edge

Hopping mode & Modulation : π/4DQPSK

















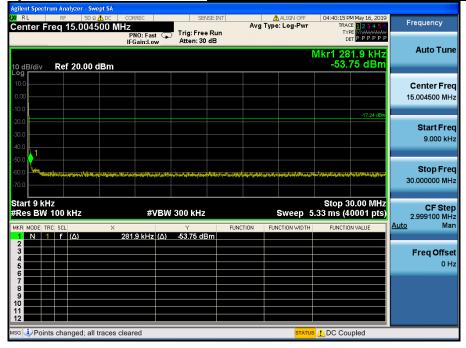


Reference for limit

Middle Channel & Modulation : π/4DQPSK

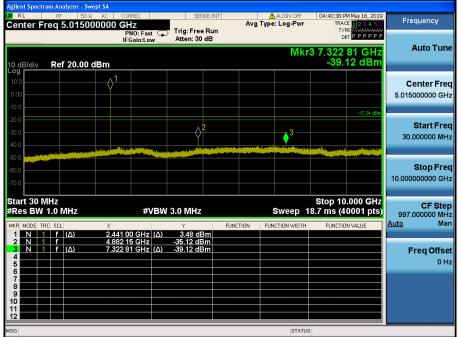


Conducted Spurious Emissions <u>Middle Channel & Modulation : π/4DQPSK</u>











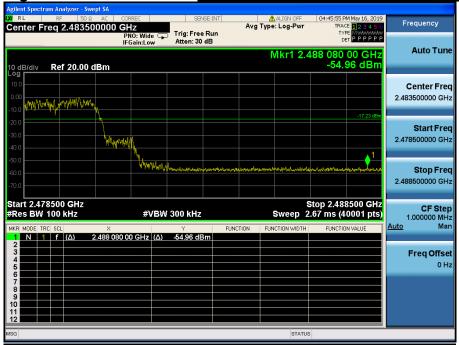






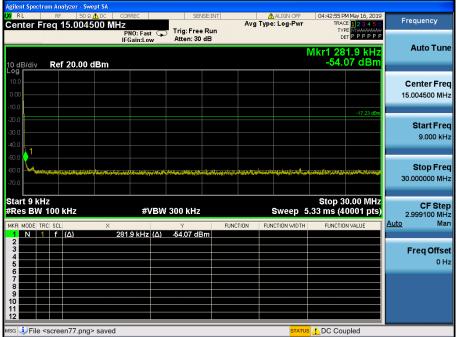
High Band-edge

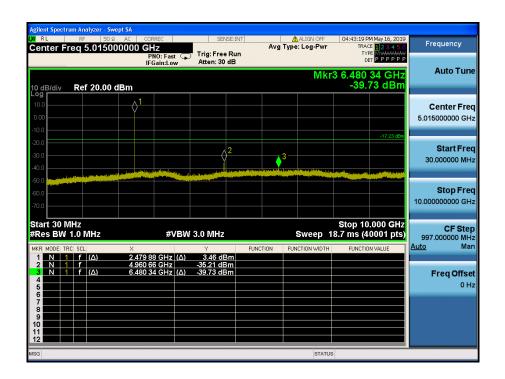
Hopping mode & Modulation: π/4DQPSK





















Lowest Channel & Modulation: 8DPSK



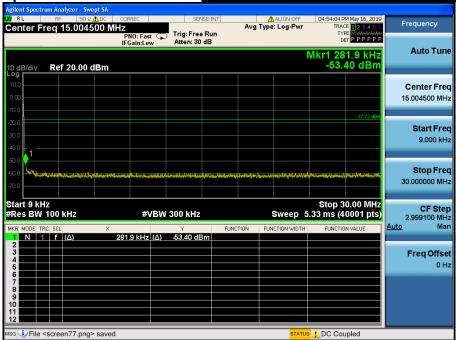
Low Band-edge

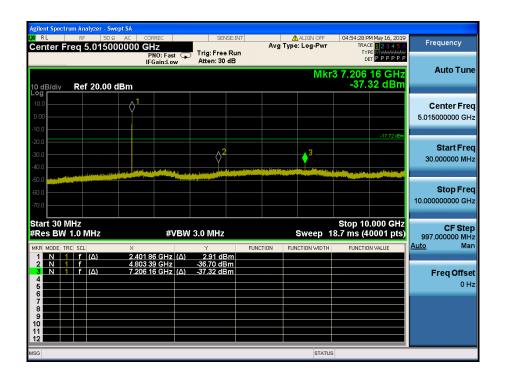
Hopping mode & Modulation: 8DPSK

















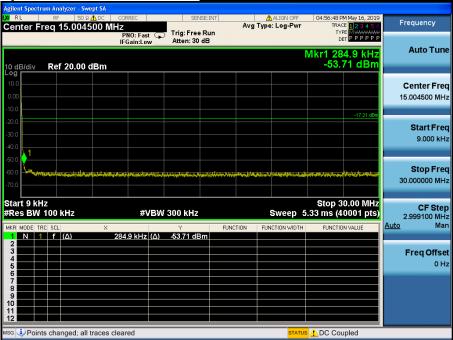


Reference for limit

Middle Channel & Modulation: 8DPSK

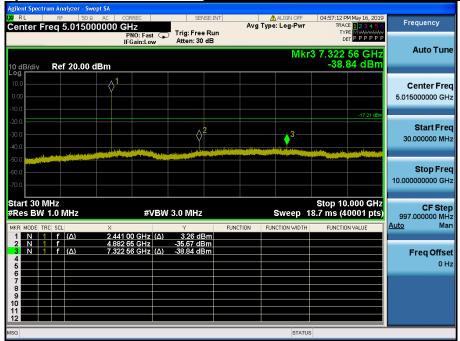


Conducted Spurious Emissions <u>Middle Channel & Modulation : 8DPSK</u>















Highest Channel & Modulation: 8DPSK



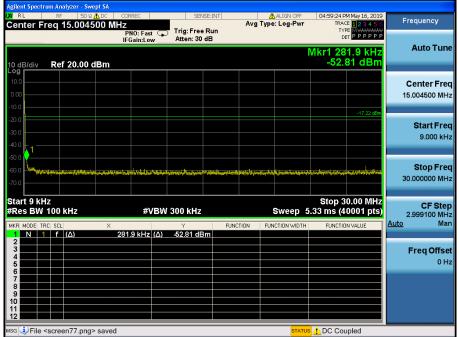
High Band-edge

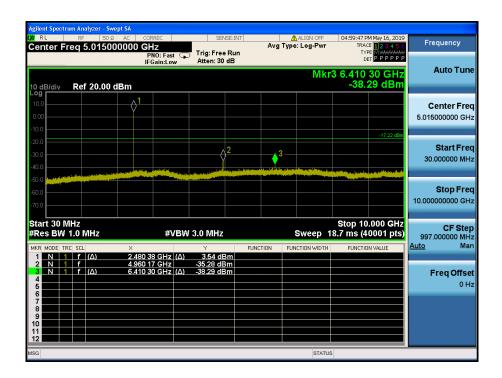
Hopping mode & Modulation : 8DPSK

















8. Transmitter AC Power Line Conducted Emission

8.1 Test Setup

See test photographs for the actual connections between EUT and support equipment.

8.2 Limit

According to §15.207(a) 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 50 uH/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 frequency ranges.

Francisco Dongo (MIII)	Conducted I	Limit (dBuV)
Frequency Range (MHz)	Quasi-Peak	Average
0.15 ~ 0.5	66 to 56 *	56 to 46 *
0.5 ~ 5	56	46
5 ~ 30	60	50

^{*} Decreases with the logarithm of the frequency

8.3 Test Procedures

Conducted emissions from the EUT were measured according to the ANSI C63.10.

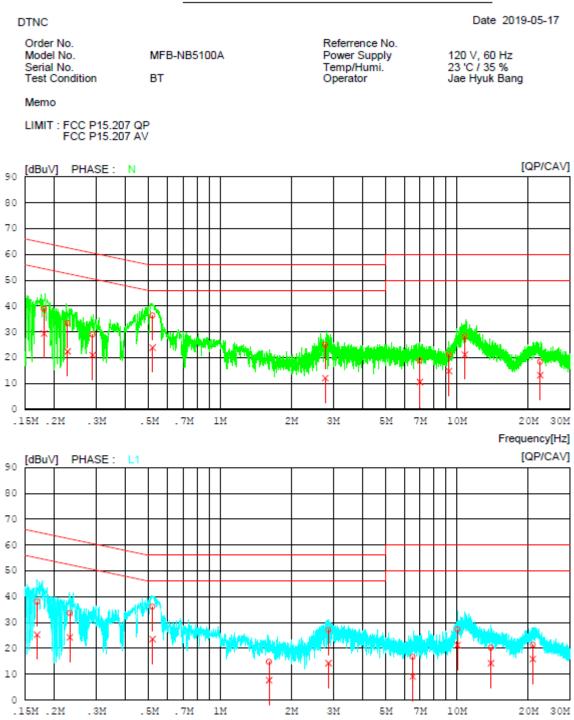
- 1. The test procedure is performed in a 6.5 m \times 3.5 m \times 3.5 m (L \times W \times H) shielded room. The EUT along with its peripherals were placed on a 1.0 m (W) \times 1.5 m (L) and 0.8 m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane.
- 2. The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room.
- 3. All peripherals were connected to the second LISN and the chassis ground also bounded to the horizontal ground plane of shielded room.
- 4. The excess power cable between the EUT and the LISN was bundled. The power cables of peripherals were unbundled. All connecting cables of EUT and peripherals were moved to find the maximum emission.



8.4 Test Results

AC Line Conducted Emissions (Graph) = Modulation : GFSK

Results of Conducted Emission



Frequency[Hz]



AC Line Conducted Emissions (List) = Modulation : GFSK

Results of Conducted Emission

DTNC Date 2019-05-17

Order No. Referrence No. MFB-NB5100A Model No. Power Supply

120 V, 60 Hz 23 'C / 35 % Temp/Humi. Serial No. Test Condition BT Operator Jae Hyuk Bang

Memo

LIMIT : FCC P15.207 QP FCC P15.207 AV

NC	FREQ [MHz]	READING QP CAV [dBuV][dBuV		RESULT QP CAV [dBuV][dBuV	QP		MARGIN QP CAV] [dBuV][dBuV	PHASE
1	0.18072	28.9719.42	9.94	38.9129.36	64.45	54.45	25.54 25.09	N
2	0.22721	23.5012.47	9.94	33.44 22.41	62.55	52.55	29.11 30.14	N
3	0.28943	19.0011.09	9.94	28.9421.03	60.54	50.54	31.60 29.51	N
4	0.51849	26.3913.98	9.95	36.3423.93	56.00	46.00	19.6622.07	N
5	2.77880	14.98 1.99	10.07	25.0512.06	56.00	46.00	30.9533.94	N
6	6.97840	8.77 0.40	10.22	18.9910.62	60.00	50.00	41.0139.38	N
7	9.26560	10.89 4.53	10.32	21.2114.85	60.00	50.00	38.7935.15	N
8	10.81260	17.8610.83	10.36	28.22 21.19	60.00	50.00	31.78 28.81	N
9	22.48000	7.78 2.63	10.59	18.3713.22	60.00	50.00	41.63 36.78	N
10	0.16905	28.1315.27	9.94	38.0725.21	65.01	55.01	26.9429.80	L1
11	0.23216	23.6414.32	9.94	33.58 24.26	62.37	52.37	28.79 28.11	L1
12	0.51861	26.1313.62	9.95	36.08 23.57	56.00	46.00	19.9222.43	L1
13	1.61180	4.71 -2.36	10.01	14.72 7.65	56.00	46.00	41.28 38.35	L1
14	2.87080	16.99 4.16	10.06	27.0514.22	56.00	46.00	28.95 31.78	L1
15	6.51040	6.45 -1.15	10.20	16.65 9.05	60.00	50.00	43.35 40.95	L1
16	10.06720	16.8810.90	10.34	27.22 21.24	60.00	50.00	32.78 28.76	L1
17	13.92560	9.80 3.81	10.43	20.2314.24	60.00	50.00	39.77 35.76	L1
18	20.93320	10.81 5.25	10.55	21.3615.80	60.00	50.00	38.64 34.20	L1

9. Antenna Requirement

Describe how the EUT complies with the requirement that either its antenna is permanently attached, or that it employs a unique antenna connector, for every antenna proposed for use with the EUT.

Conclusion: Comply

The antenna is permanently attached. (Refer to Internal Photo file.) Therefore this EUT complies with the requirement of §15.203.

- Minimum Standard:

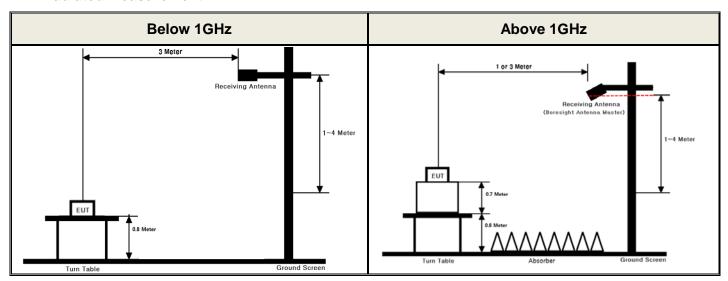
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions.



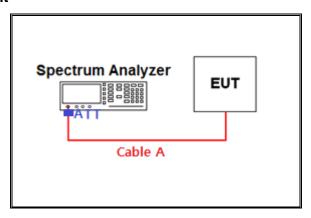
APPENDIX I

Test set up diagrams

Radiated Measurement



Conducted Measurement



Path loss information

Frequency (GHz)	Path Loss (dB)	Frequency (GHz)	Path Loss (dB)
0.03	3.10	15	7.74
1	3.29	20	9.80
2.402 & 2.441 & 2.480	4.74	25	10.16
5	5.55	-	-
10	6.67	-	-

Note 1 : The path loss from EUT to Spectrum analyzer were measured and used for test.

Path loss (S/A's Correction factor) = Cable A + Power splitter

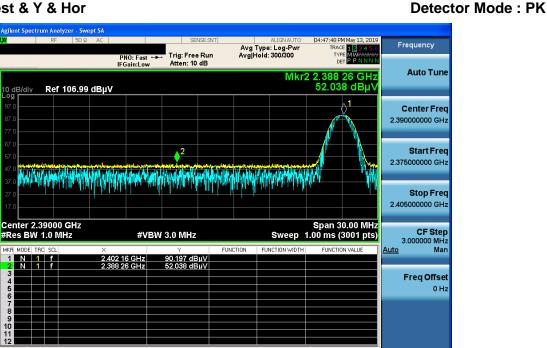
Detector Mode: PK



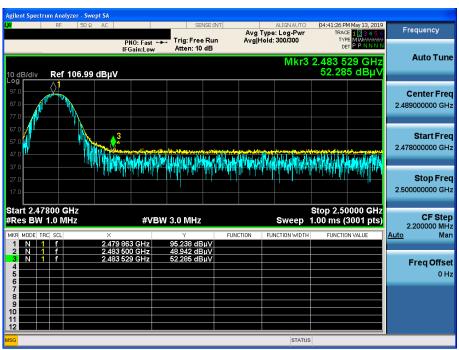
APPENDIX II

Unwanted Emissions (Radiated) Test Plot

GFSK & Lowest & Y & Hor



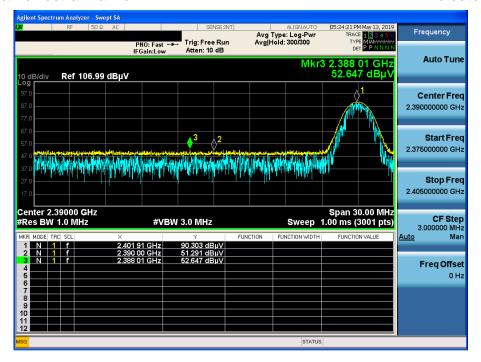
GFSK & Highest & Y & Hor





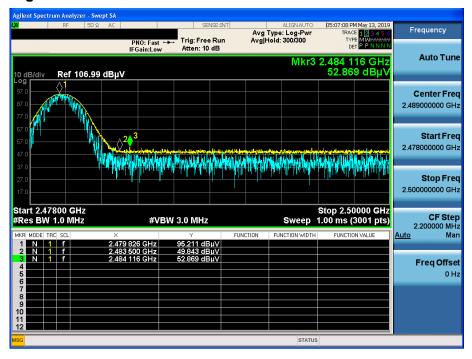
π/4DQPSK & Lowest & Y & Hor

Detector Mode: PK



$\pi/4DQPSK$ & Highest & Y & Hor

Detector Mode: PK



Detector Mode: PK

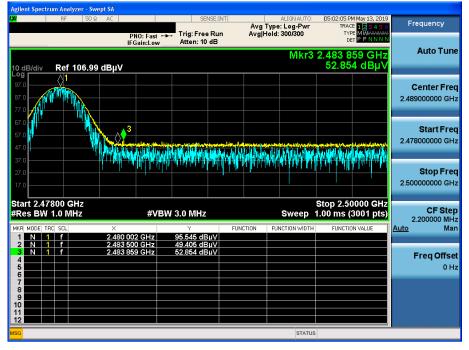


8DPSK & Lowest & Y & Hor

Frequency Avg Type: Log-Pwr Avg|Hold: 300/300 Trig: Free Run Atten: 10 dB PNO: Fast **Auto Tune** Mkr3 2.387 18 GHz 52.114 dBµ\ Ref 106.99 dBµV Center Freq 2.390000000 GHz Start Freq 2.375000000 GHz Stop Freq 2.405000000 GHz Center 2.39000 GHz #Res BW 1.0 MHz Span 30.00 MHz 1.00 ms (3001 pts) CF Step 3.000000 MHz Man **#VBW 3.0 MHz** Freq Offset

8DPSK & Highest & Y & Hor

Detector Mode : PK

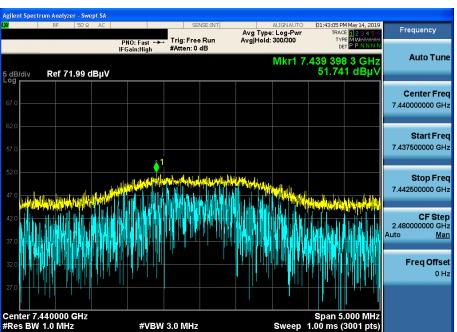


Detector Mode: PK

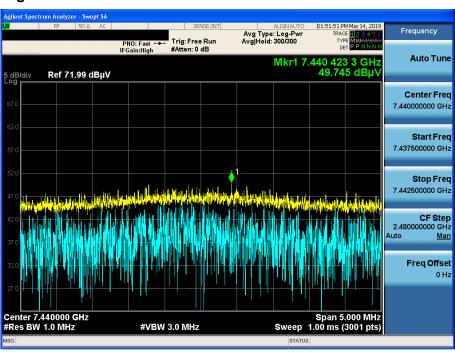
Detector Mode: PK



GFSK & Highest & X & Hor



π/4DQPSK & Highest & X & Hor





8DPSK & Highest & X & Hor

Detector Mode: PK

