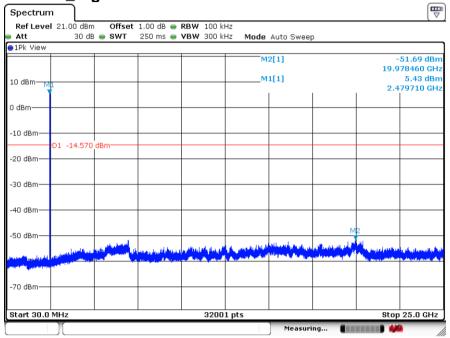


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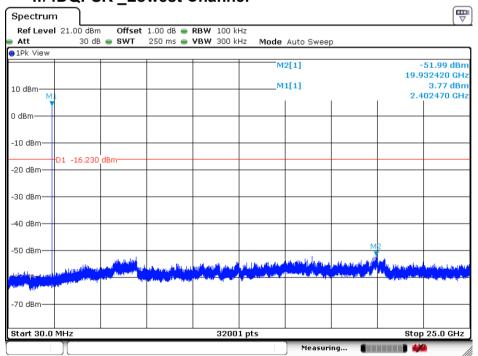
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#### 4.10.1.3 **GFSK** \_Highest Channel



Date: 6.AUG.2019 03:23:48

#### 4.10.1.4 $\pi/4DQPSK$ Lowest Channel



Date: 6.AUG.2019 03:29:31



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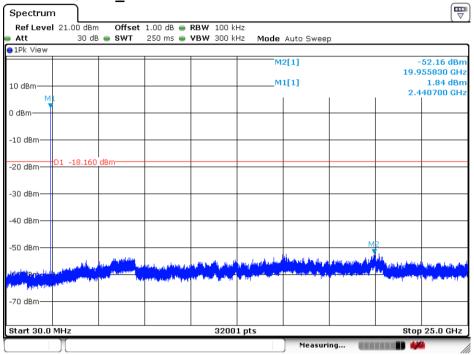
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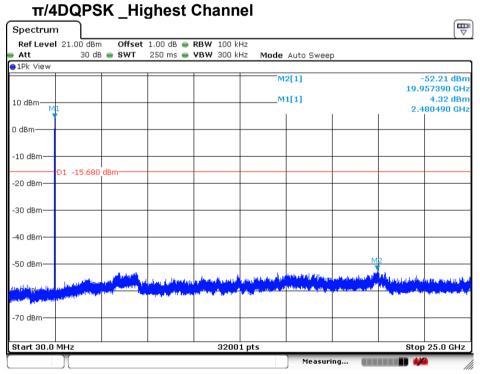
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#### 4.10.1.5 $\pi/4DQPSK$ Middle Channel



Date: 6.AUG.2019 03:30:35

#### 4.10.1.6



Date: 6.AUG.2019 03:31:14



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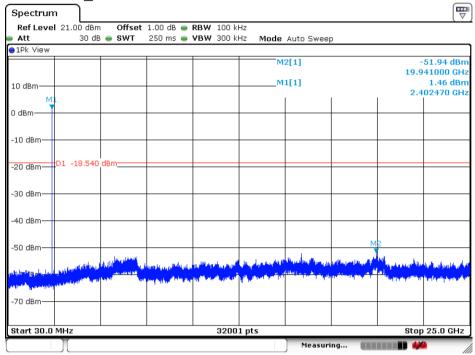
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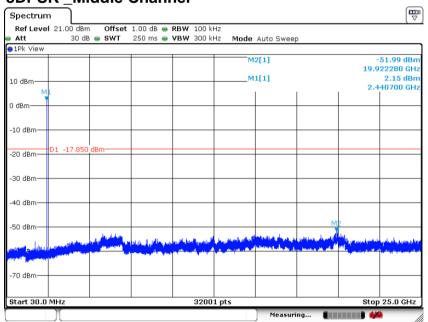
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#### 4.10.1.7 **8DPSK Lowest Channel**



Date: 6.AUG.2019 03:37:48

#### 4.10.1.8 **8DPSK Middle Channel**



Date: 6.AUG.2019 03:34:49

#### 4.10.1.9 **8DPSK\_Highest Channel**



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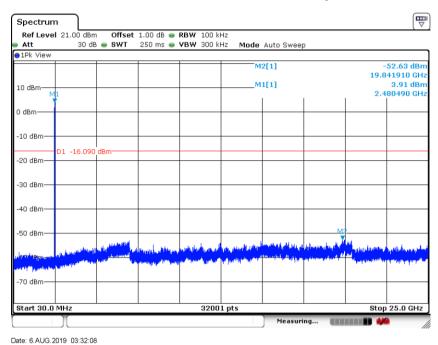
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#### Remark:

Scan from 9kHz to 25GHz, the disturbance between 9KHz to 30MHz was very low, and the above harmonics were the highest point could be found when testing, The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.



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### 4.11 Radiated Spurious Emission

Test Requirement:	47 CFR Part 15C Section 15	.209 and 15.205						
Test Method:	ANSI C63.10: 2013							
Test Site:	Measurement Distance: 3m	(Semi-Anechoic Ch	amber)					
	Frequency	Detector	RBW	VBW	Remark			
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak			
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average			
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak			
Desciver Catury	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak			
Receiver Setup:	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average			
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak			
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak			
	Above 1GHz	Peak	1MHz	3MHz	Peak			
		Peak	1MHz	10Hz	Average			
	Frequency	Field strength (microvolt/meter )	Limit (dBuV/ m	Remark	Measuremen t distance (m)			
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300			
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30			
	1.705MHz-30MHz	30	-	-	30			
	30MHz-88MHz	100	40.0	Quasi-peak	3			
Limit:	88MHz-216MHz	150	43.5	Quasi-peak	3			
	216MHz-960MHz	200	46.0	Quasi-peak	3			
	960MHz-1GHz	500	54.0	Quasi-peak	3			
	Above 1GHz	500	54.0	Average	3			
	Remark: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.							



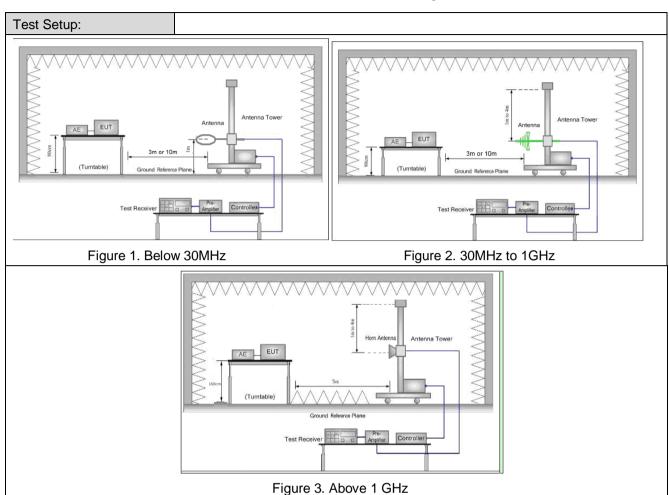
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Test Procedure:	<ul> <li>a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</li> <li>h. Test the EUT in the lowest channel (2402MHz), the middle channel (2441MHz), the Highest channel (2480MHz)</li> <li>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.</li> <li>j. Repeat above procedures until all frequencies measured was complete.</li> </ul>					
Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of data type Charge + Transmitting mode.					
Final Test Mode:	Through Pre-scan, find the DH5 of data type and GFSK modulation is the worst case. Pretest the EUT at Charge + Transmitting mode For below 1GHz part, through pre-scan, the worst case is the lowest channel. Only the worst case is recorded in the report.					
Instruments Used:	Refer to section 5.10 for details					



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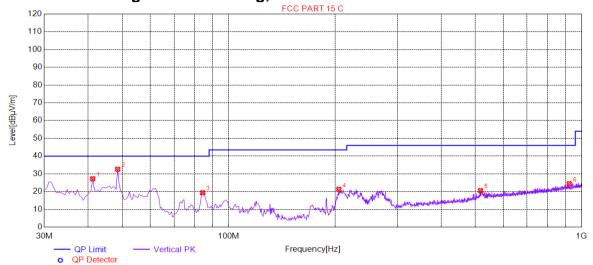


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#### 4.11.1 Radiated Emission below 1GHz

#### 4.11.1.1 Charge + Transmitting, Vertical



Suspe	Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	41.1606	27.25	-30.94	40.00	12.75	100	50	Vertical	
2	48.4392	32.57	-30.19	40.00	7.43	100	188	Vertical	
3	84.3472	19.36	-34.79	40.00	20.64	100	360	Vertical	
4	205.1726	21.28	-30.71	43.50	22.22	200	344	Vertical	
5	517.1836	20.59	-22.25	46.00	25.41	200	329	Vertical	
6	922.3612	24.48	-14.89	46.00	21.52	200	344	Vertical	



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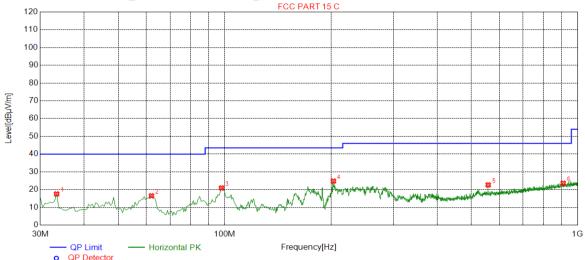
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#### 4.11.1.2 Charge + Transmitting, Horizontal



Suspe	Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	33.3967	17.53	-32.79	40.00	22.47	100	72	Horizontal	
2	62.0260	16.49	-32.16	40.00	23.51	200	143	Horizontal	
3	97.9340	20.90	-32.04	43.50	22.60	200	250	Horizontal	
4	203.2316	24.78	-30.75	43.50	18.72	100	94	Horizontal	
5	557.9440	22.62	-21.23	46.00	23.38	200	253	Horizontal	
6	910.7154	23.55	-15.07	46.00	22.45	200	140	Horizontal	



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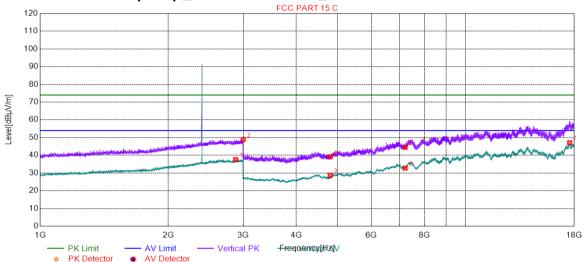


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#### 4.11.2 **Transmitter Emission above 1GHz**

#### GFSK(DH5) \_Lowest Channel \_Vertical 4.11.2.1



Suspe	Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2879.4699	37.63	2.24	54.00	16.37	150	278	Vertical	
2	3000.0000	48.95	2.33	74.00	25.05	150	262	Vertical	
3	4804.0000	28.76	-20.38	54.00	25.24	150	84	Vertical	
4	4804.0000	39.19	-20.38	74.00	34.81	150	52	Vertical	
5	7206.0000	44.54	-12.76	74.00	29.46	150	5	Vertical	
6	7206.0000	32.81	-12.76	54.00	21.19	150	213	Vertical	
7	17551.9776	47.12	1.02	54.00	6.88	150	83	Vertical	



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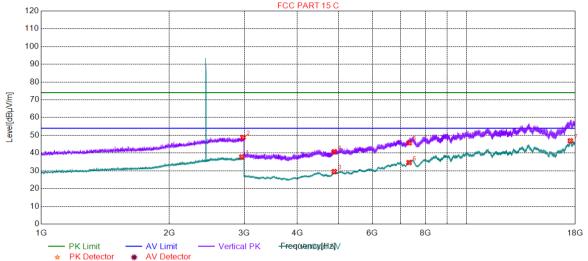
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### 4.11.2.2 **GFSK(DH5)** \_**Middle** Channel \_**Vertical**



Susp	Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2961.4904	37.85	2.30	54.00	16.15	150	338	Vertical	
2	2980.9952	48.78	2.32	74.00	25.22	150	306	Vertical	
3	4882.0000	29.57	-19.26	54.00	24.43	150	4	Vertical	
4	4882.0000	40.73	-19.26	74.00	33.27	150	20	Vertical	
5	7323.0000	45.75	-11.38	74.00	28.25	150	84	Vertical	
6	7323.0000	34.68	-11.38	54.00	19.32	150	214	Vertical	
7	17523.4762	46.90	0.65	54.00	7.10	150	189	Vertical	



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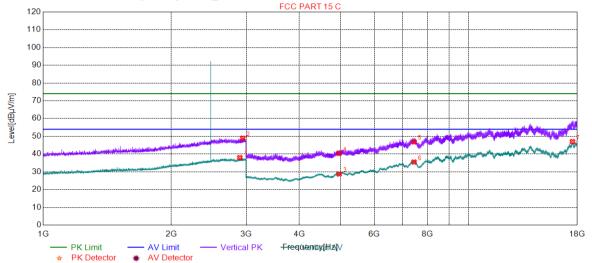
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#### 4.11.2.3 GFSK(DH5) \_Highest Channel \_Vertical



Susp	Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2898.4746	37.98	2.26	54.00	16.02	150	292	Vertical	
2	2944.4861	48.92	2.29	74.00	25.08	150	64	Vertical	
3	4960.0000	28.77	-18.67	54.00	25.23	150	342	Vertical	
4	4960.0000	40.41	-18.67	74.00	33.59	150	52	Vertical	
5	7440.0000	46.85	-10.72	74.00	27.15	150	213	Vertical	
6	7440.0000	35.51	-10.72	54.00	18.49	150	20	Vertical	
7	17535.4768	46.99	0.80	54.00	7.01	150	18	Vertical	



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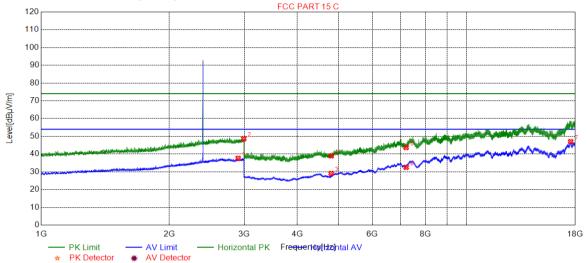
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#### 4.11.2.4 **GFSK(DH5)** Lowest Channel Horizontal



Susp	Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2903.4759	37.62	2.26	54.00	16.38	150	272	Horizontal	
2	2992.4981	48.59	2.32	74.00	25.41	150	217	Horizontal	
3	4804.0000	29.13	-20.38	54.00	24.87	150	100	Horizontal	
4	4804.0000	38.98	-20.38	74.00	35.02	150	342	Horizontal	
5	7206.0000	43.69	-12.76	74.00	30.31	150	342	Horizontal	
6	7206.0000	32.52	-12.76	54.00	21.48	150	52	Horizontal	
7	17553.4777	47.02	1.03	54.00	6.98	150	190	Horizontal	



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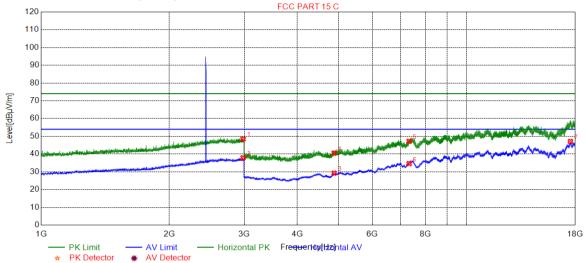
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#### 4.11.2.5 **GFSK(DH5)** \_Middle Channel \_ Horizontal



Susp	Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2981.4954	48.47	2.32	74.00	25.53	150	76	Horizontal	
2	2981.9955	37.93	2.32	54.00	16.07	150	327	Horizontal	
3	4882.0000	29.26	-19.26	54.00	24.74	150	19	Horizontal	
4	4882.0000	40.57	-19.26	74.00	33.43	150	228	Horizontal	
5	7323.0000	47.22	-11.38	74.00	26.78	150	4	Horizontal	
6	7323.0000	34.67	-11.38	54.00	19.33	150	67	Horizontal	
7	17530.4765	47.13	0.74	54.00	6.87	150	358	Horizontal	



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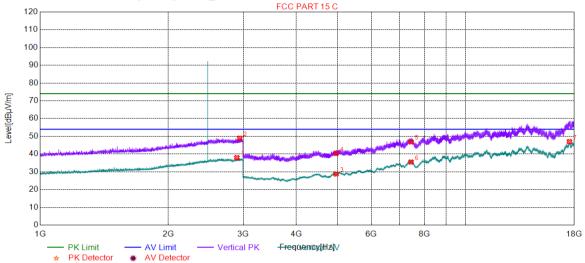
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#### 4.11.2.6 GFSK(DH5) \_Highest Channel \_ Horizontal



Suspe	Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2898.4746	37.98	2.26	54.00	16.02	150	292	Vertical	
2	2944.4861	48.92	2.29	74.00	25.08	150	64	Vertical	
3	4960.0000	28.77	-18.67	54.00	25.23	150	342	Vertical	
4	4960.0000	40.41	-18.67	74.00	33.59	150	52	Vertical	
5	7440.0000	46.85	-10.72	74.00	27.15	150	213	Vertical	
6	7440.0000	35.51	-10.72	54.00	18.49	150	20	Vertical	
7	17535.4768	46.99	0.80	54.00	7.01	150	18	Vertical	

#### Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

- 2) Scan from 9kHz to 25GHz, the disturbance between 9KHz to 30MHz and 18GHz to 25GHz was very low, and the above harmonics were the highest point could be found when testing. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.
- 4) All Modes have been tested, but only the worst case data displayed in this report.



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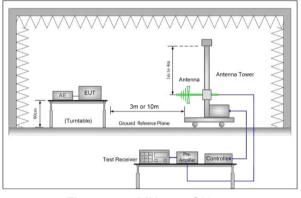
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#### Restricted bands around fundamental frequency 4.12

Test Requirement:	47 CFR Part 15C Sect	47 CFR Part 15C Section 15.209 and 15.205						
Test Method:	ANSI C63.10: 2013							
Test Site:	Measurement Distance	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)						
	Frequency	Limit (dBuV/m @3m)	Remark					
	30MHz-88MHz	40.0	Quasi-peak Value					
	88MHz-216MHz	43.5	Quasi-peak Value					
Limit:	216MHz-960MHz	46.0	Quasi-peak Value					
	960MHz-1GHz	54.0	Quasi-peak Value					
	Above 4CH=	54.0	Average Value					
	Above 1GHz	74.0	Peak Value					
Test Setup:								



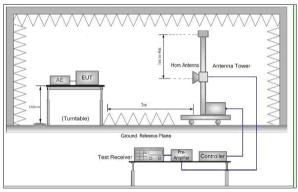


Figure 1. 30MHz to 1GHz

Figure 2. Above 1 GHz



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Test Procedure:	<ul> <li>a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</li> <li>h. Test the EUT in the lowest channel , the Highest channel</li> <li>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.</li> <li>j. Repeat above procedures until all frequencies measured was complete.</li> </ul>			
Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of data type  Charge + Transmitting mode.			
Final Test Mode:	Through Pre-scan, find the DH5 of data type and GFSK modulation is the worst case.  Pretest the EUT at Charge + Transmitting mode, Only the worst case is recorded in the report.			
Instruments Used:	Refer to section 5.10 for details			
Test Results:	Pass			



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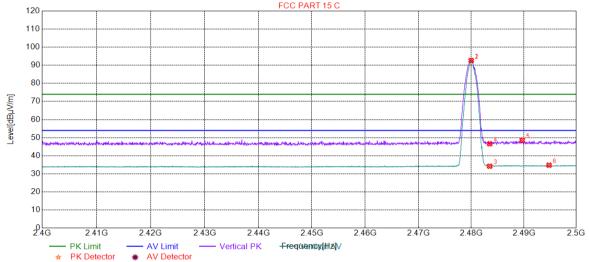


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### 4.12.1 Test plots





Suspe	Suspected List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	2480.0000	92.65	1.51	74.00	-18.65	150	174	Vertical		
2	2480.0000	92.48	1.51	54.00	-38.48	150	174	Vertical		
3	2483.5000	34.19	1.52	54.00	19.81	150	287	Vertical		
4	2483.5000	46.60	1.52	74.00	27.40	150	17	Vertical		
5	2489.6948	48.55	1.54	74.00	25.45	150	14	Vertical		
6	2494.7974	34.76	1.56	54.00	19.24	150	170	Vertical		



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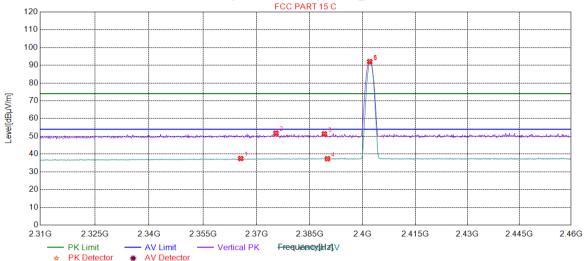
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### 4.12.1.2 Worst Case Mode (GFSK(DH5)) \_Highest Channel \_Vertical



Suspe	Suspected List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	2365.5556	37.49	1.14	54.00	16.51	150	229	Vertical	
2	2375.4655	51.79	1.18	74.00	22.21	150	287	Vertical	
3	2389.1291	51.36	1.24	74.00	22.64	150	356	Vertical	
4	2390.0000	37.37	1.25	54.00	16.63	150	314	Vertical	
5	2402.0000	92.06	1.30	74.00	-18.06	150	180	Vertical	
6	2402.0000	91.62	1.30	54.00	-37.62	150	177	Vertical	



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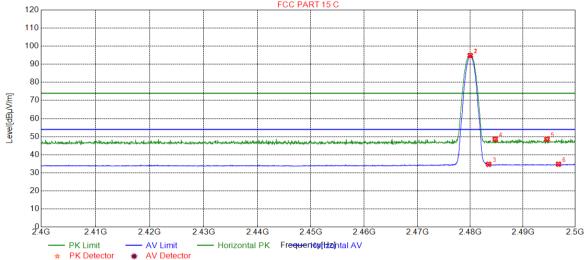
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### 4.12.1.3 Worst Case Mode (GFSK(DH5)) \_Lowest Channel \_Horizontal



Suspe	Suspected List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	2480.0000	94.86	1.51	74.00	-20.86	150	309	Horizontal		
2	2480.0000	94.69	1.51	54.00	-40.69	150	309	Horizontal		
3	2483.5000	34.72	1.52	54.00	19.28	150	294	Horizontal		
4	2484.7424	48.64	1.53	74.00	25.36	150	244	Horizontal		
5	2494.5973	48.59	1.55	74.00	25.41	150	324	Horizontal		
6	2496.7984	34.76	1.56	54.00	19.24	150	111	Horizontal		



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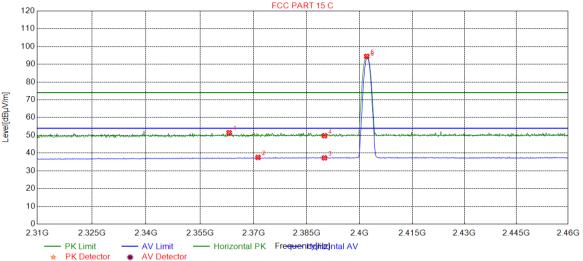
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### 4.12.1.4 Worst Case Mode (GFSK(DH5)) \_Highest Channel \_ Horizontal



Suspe	Suspected List									
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity		
1	2363.1532	51.48	1.13	74.00	22.52	150	264	Horizontal		
2	2371.2613	37.56	1.16	54.00	16.44	150	161	Horizontal		
3	2390.0000	37.28	1.25	54.00	16.72	150	240	Horizontal		
4	2390.0000	49.75	1.25	74.00	24.25	150	309	Horizontal		
5	2402.0000	94.49	1.30	74.00	-20.49	150	319	Horizontal		
6	2402.0000	93.68	1.30	54.00	-39.68	150	316	Horizontal		

#### Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor All Modes have been tested, but only the worst case data displayed in this report.



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## 5 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty		
1	Total RF power, conducted	±0.75dB		
2	RF power density, conducted	±2.84dB		
3	Spurious emissions, conducted	±0.75dB		
4	Padiated Spurious emission test	±4.5dB (30MHz-1GHz)		
4	Radiated Spurious emission test	±4.8dB (1GHz-25GHz)		
5	Conduct emission test	±3.12 dB(9KHz- 30MHz)		
6	Temperature test	±1°C		
7	Humidity test	±3%		
8	DC and low frequency voltages	±0.5%		



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### 6 Equipment List

Conducted Emission									
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Duedate				
rest Equipment	Wandiacture	Woder No.	inventory No.	(yyyy-mm-dd)	(yyyy-mm-dd)				
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017/5/10	2020/5/9				
LISN	Rohde & Schwarz	ENV216	SEM007-01	2018/9/2	2019/9/2				
LISN	ETS-LINDGREN	Feb-16	SEM007-02	2019/4/1	2020/3/31				
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A				
Coaxial Cable	SGS	N/A	SEM024-01	2019/6/12	2020/6/11				
2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	2019/2/11	2020/2/10				
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2019/3/2	2020/3/1				

RF conducted test								
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Duedate			
rest Equipment	Wallulacturei	Wiodel No.	inventory No.	(yyyy-mm-dd)	(yyyy-mm-dd)			
DC Power Supply	Agilent Technologies Inc	66311B	W009-09	2018/9/15	2019/9/15			
Signal Analyzer	Rohde & Schwarz	FSV	W025-05	2019/1/13	2020/1/12			
Coaxial Cable	SGS	N/A	SEM031-01	2019/6/12	2020/6/11			
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A			
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2018/9/2	2019/9/2			
Temperature Chamber	GIANT FORCE	ICT-150-40-CP-AR	W027-03	2018/11/27	2019/11/27			
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2018/9/2	2019/9/2			
	RE	in Chamber						

RE in Chamber									
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Due date				
rest Equipment	Manufacturer	Woder No.	inventory No.	(yyyy-mm-dd)	(yyyy-mm-dd)				
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017/8/5	2020/8/4				
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A				
Coaxial Cable	SGS	N/A	SEM025-01	2019/6/12	2020/6/11				
MXE EMI Receiver (20Hz- 8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2018/9/2	2019/9/2				
BiConiLog Antenna (26- 3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017/6/27	2020/6/26				
Pre-amplifier (0.1-1.3GHz)	Agilent Technologies	8447D	SEM005-01	2019/3/2	2020/3/1				

RE in Chamber								
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date	Cal.Due date			
rest Equipment	Wandacturer	Widdel No.	inventory No.	(yyyy-mm-dd)	(yyyy-mm-dd)			
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018/3/13	2021/3/12			
Measurement Software	AUDIX	e3V8.2014-6-27	N/A	N/A	N/A			
Coaxial Cable	SGS	N/A	SEM026-01	2019/6/12	2020/6/11			
EXA Signal Analyzer (10Hz- 26.5GHz)	Agilent Technologies Inc	N9010A	SEM004-09	2019/3/12	2020/3/11			
BiConiLog Antenna (26- 3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017/6/27	2020/6/26			
Horn Antenna (0.8-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018/4/13	2021/4/12			
Pre-amplifier(0.1-1.3GHz)	HP	8447D	SEM005-02	2018/9/2	2019/9/2			
Low Noise Amplifier(100MHz- 18GHz)	Black Diamond Series	BDLNA-0118- 352810	SEM005-05	2018/9/27	2019/9/27			
Horn Antenna (15-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017/10/17	2020/10/16			
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2019/3/2	2020/3/1			
Band filter	N/A	N/A	SEM023-01	N/A	N/A			



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RE in Chamber									
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)				
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2018/3/31	2021/3/30				
EMI Test Receiver (9k-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2019/3/2	2020/3/1				
Trilog-Broadband Antenna(25M-2GHz)	Schwarzbeck	VULB9168	SEM003-18	2018/3/15	2020/3/14				
Pre-amplifier (9k-1GHz)	Sonoma	310N	SEM005-03	2019/3/12	2020/3/11				
Loop Antenna (9kHz-30MHz)	ETS-Lindgren	6502	SEM003-08	2017/8/22	2020/8/21				
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A				
Coaxial Cable	SGS	N/A	SEM029-01	2019/6/12	2020/6/11				

## 7 Photographs - EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for ZR/2019/60026.

The End



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