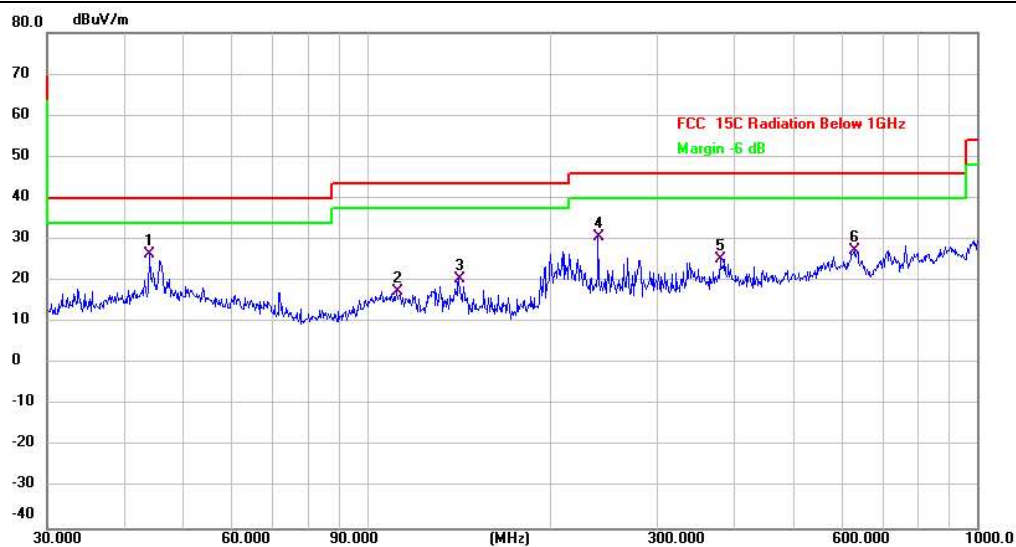


Mode3 / Polarization: Vertical / CH: H



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	44.1202	34.04	-7.53	26.51	40.00	-13.49	QP	
2		111.7380	25.16	-7.71	17.45	43.50	-26.05	QP	
3		141.3298	30.10	-9.79	20.31	43.50	-23.19	QP	
4		239.9874	37.51	-6.91	30.60	46.00	-15.40	QP	
5		379.9141	30.18	-4.79	25.39	46.00	-20.61	QP	
6		629.4772	26.89	0.34	27.23	46.00	-18.77	QP	

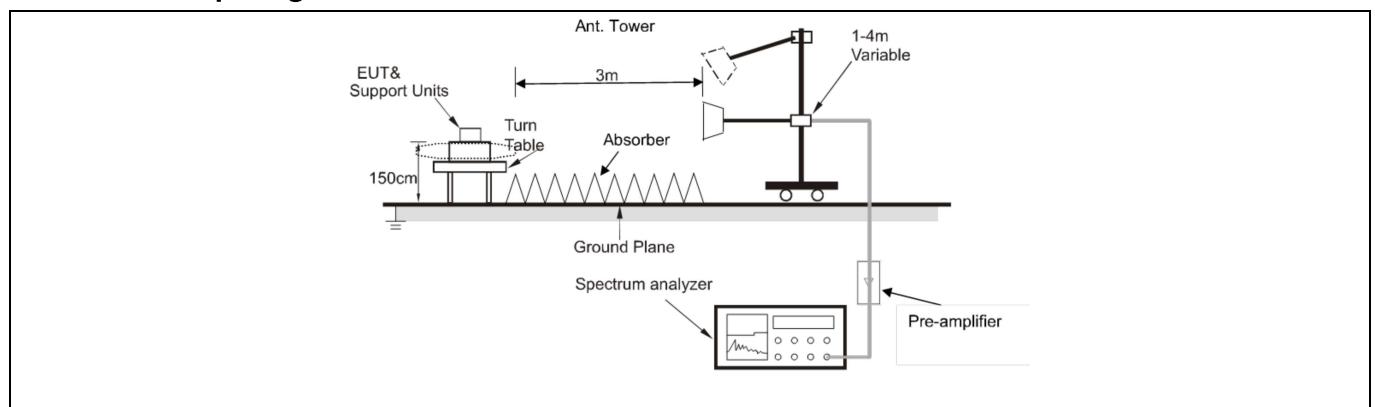
6.9 Radiated emissions (above 1GHz)

Test Requirement:	In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	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 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.			
Test Method:	ANSI C63.10-2013 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02		
Procedure:	ANSI C63.10-2013 section 6.6.4		

6.9.1 E.U.T. Operation:

Operating Environment:						
Temperature:	24 °C		Humidity:	54 %	Atmospheric Pressure:	101 kPa
Pre test mode:		Mode1, Mode2, Mode3				
Final test mode:		All of the listed pre-test mode were tested, only the data of the worst mode (Mode3) is recorded in the report				
Note: Test frequency are from 1GHz to 25GHz, the amplitude of spurious emissions which are attenuated more than 20 dB below the limits are not reported. All modes of operation of the EUT were investigated, and only the worst-case results are reported.						

6.9.2 Test Setup Diagram:



6.9.3 Test Data:

Mode3 / Polarization: Horizontal / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4804.000	56.49	2.44	58.93	74.00	-15.07	peak
2	*	4804.000	46.35	2.44	48.79	54.00	-5.21	AVG
3		7206.000	40.00	9.22	49.22	74.00	-24.78	peak
4		7206.000	30.43	9.22	39.65	54.00	-14.35	AVG
5		9608.000	41.73	10.14	51.87	74.00	-22.13	peak
6		9608.000	31.51	10.14	41.65	54.00	-12.35	AVG

Mode3 / Polarization: Vertical / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4804.000	42.60	2.44	45.04	74.00	-28.96	peak
2		4804.000	31.82	2.44	34.26	54.00	-19.74	AVG
3		7206.000	40.00	9.22	49.22	74.00	-24.78	peak
4		7206.000	31.14	9.22	40.36	54.00	-13.64	AVG
5		9608.000	42.45	10.14	52.59	74.00	-21.41	peak
6	*	9608.000	33.12	10.14	43.26	54.00	-10.74	AVG

Mode3 / Polarization: Horizontal / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4882.000	54.61	2.67	57.28	74.00	-16.72	peak
2	*	4882.000	44.69	2.67	47.36	54.00	-6.64	AVG
3		7323.000	40.65	8.85	49.50	74.00	-24.50	peak
4		7323.000	30.69	8.85	39.54	54.00	-14.46	AVG
5		9764.000	42.75	11.50	54.25	74.00	-19.75	peak
6		9764.000	33.12	11.50	44.62	54.00	-9.38	AVG

Mode3 / Polarization: Vertical / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4882.000	43.13	2.67	45.80	74.00	-28.20	peak
2		4882.000	33.57	2.67	36.24	54.00	-17.76	AVG
3		7323.000	40.19	8.85	49.04	74.00	-24.96	peak
4		7323.000	31.36	8.85	40.21	54.00	-13.79	AVG
5		9764.000	41.55	11.50	53.05	74.00	-20.95	peak
6	*	9764.000	33.12	11.50	44.62	54.00	-9.38	AVG

Mode3 / Polarization: Horizontal / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4960.000	55.08	2.99	58.07	74.00	-15.93	peak
2	*	4960.000	45.22	2.99	48.21	54.00	-5.79	AVG
3		7440.000	41.04	8.96	50.00	74.00	-24.00	peak
4		7440.000	31.40	8.96	40.36	54.00	-13.64	AVG
5		9920.000	42.38	11.19	53.57	74.00	-20.43	peak
6		9920.000	32.09	11.19	43.28	54.00	-10.72	AVG

Mode3 / Polarization: Vertical / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4960.000	42.87	2.99	45.86	74.00	-28.14	peak
2		4960.000	33.59	2.99	36.58	54.00	-17.42	AVG
3		7440.000	40.86	8.96	49.82	74.00	-24.18	peak
4		7440.000	31.73	8.96	40.69	54.00	-13.31	AVG
5		9920.000	44.22	11.19	55.41	74.00	-18.59	peak
6	*	9920.000	35.55	11.19	46.74	54.00	-7.26	AVG

Photographs of the test setup

Refer to Appendix - Test Setup Photos

Photographs of the EUT

Refer to Appendix - EUT Photos

Appendix

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]
DH5	Ant1	2402	0.954
		2441	0.948
		2480	0.951
2DH5	Ant1	2402	1.287
		2441	1.341
		2480	1.272
3DH5	Ant1	2402	1.281
		2441	1.299
		2480	1.320

Test Graphs



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix B: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	-0.93	≤30	PASS
		2441	-0.56	≤30	PASS
		2480	0.35	≤30	PASS
2DH5	Ant1	2402	1.04	≤20.97	PASS
		2441	1.40	≤20.97	PASS
		2480	2.33	≤20.97	PASS
3DH5	Ant1	2402	1.51	≤20.97	PASS
		2441	1.93	≤20.97	PASS
		2480	2.93	≤20.97	PASS

Test Graphs

