

Test Report No.50107050 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50107050AppendixD)

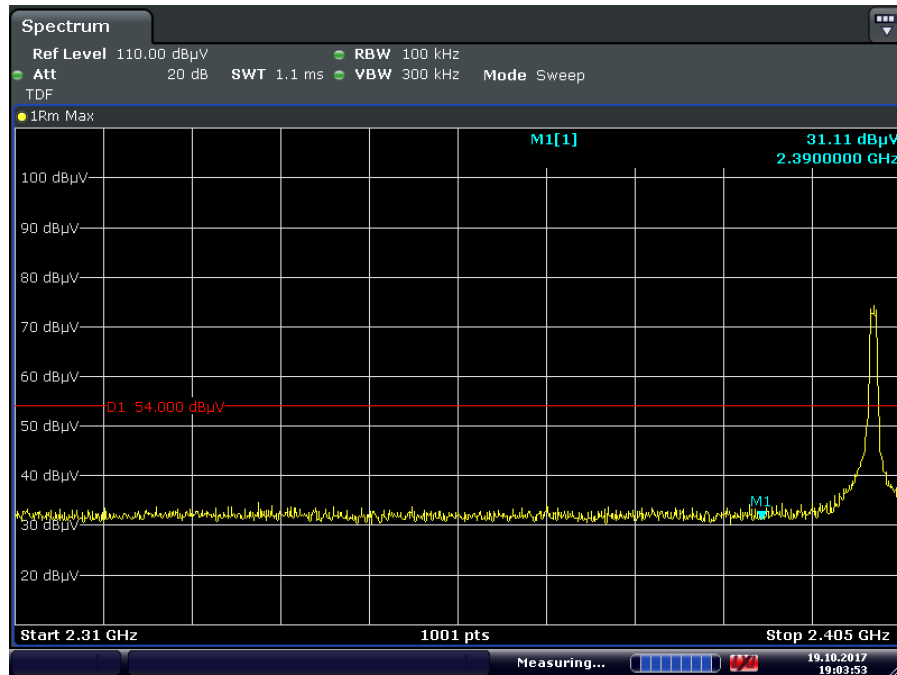
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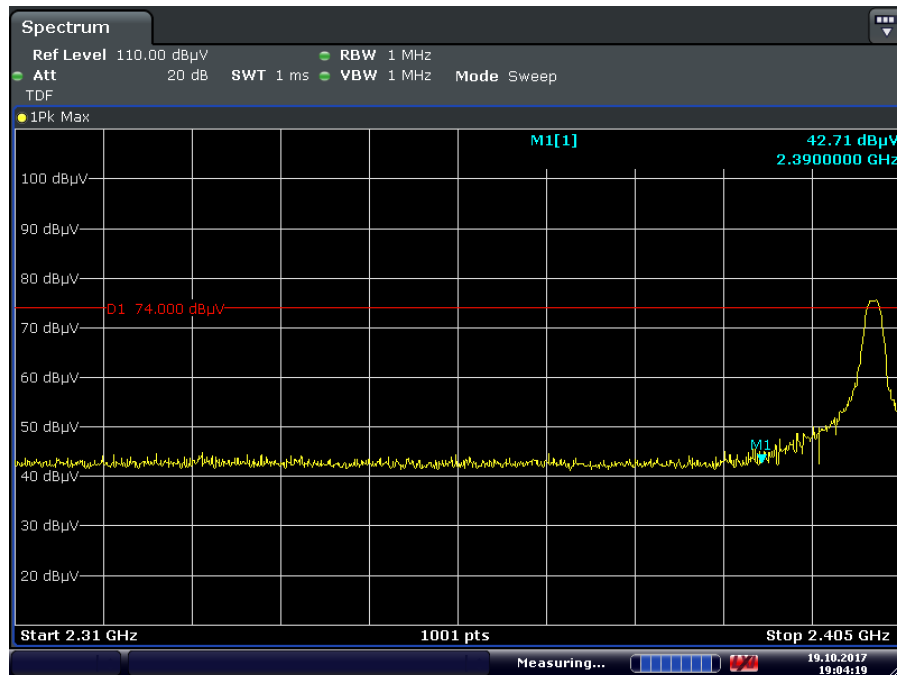
Spurious Emissions, Band Edges, 2.35-2.5G

Radiated Bandedge (GFSK)

Low Channel (Hor)



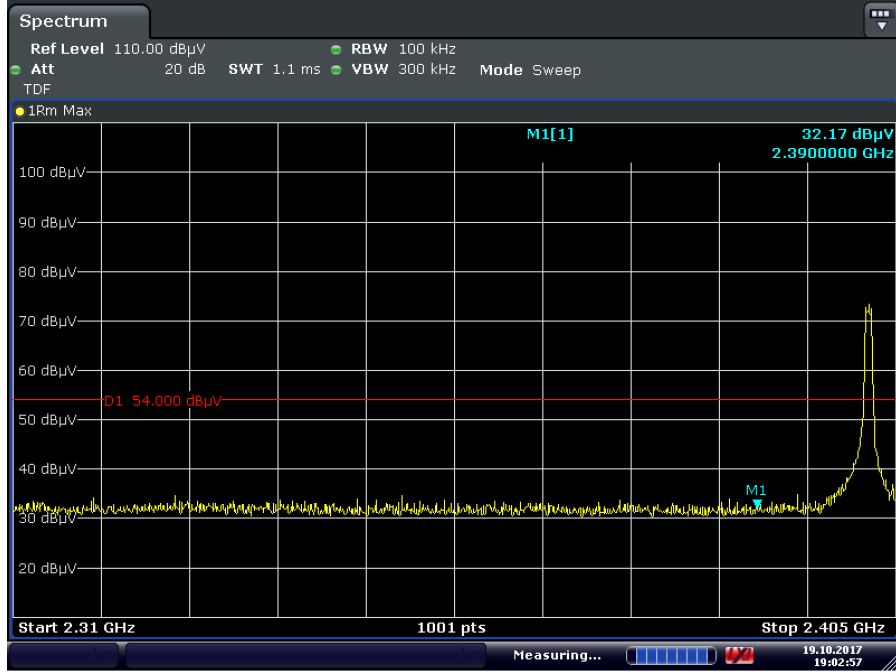
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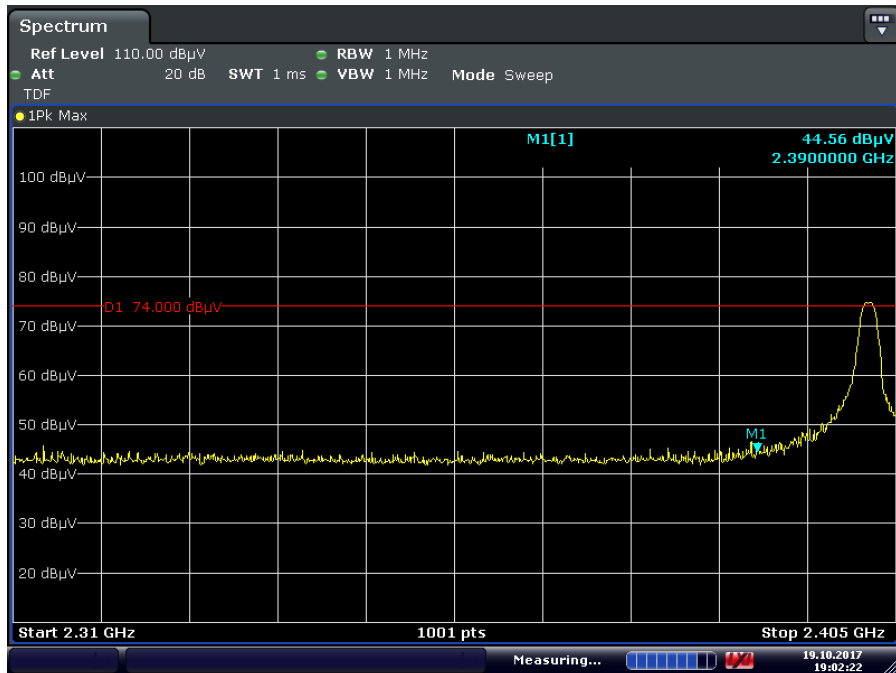
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Spurious Emissions, Band Edge, 2.35-2.5G

Low Channel (Ver)



Date: 19.OCT.2017 19:02:57

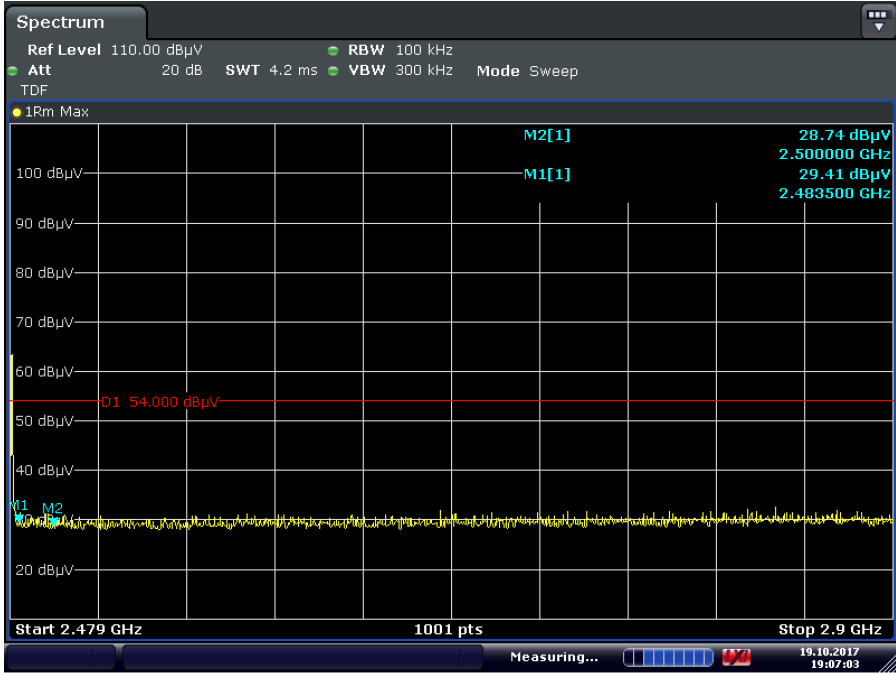


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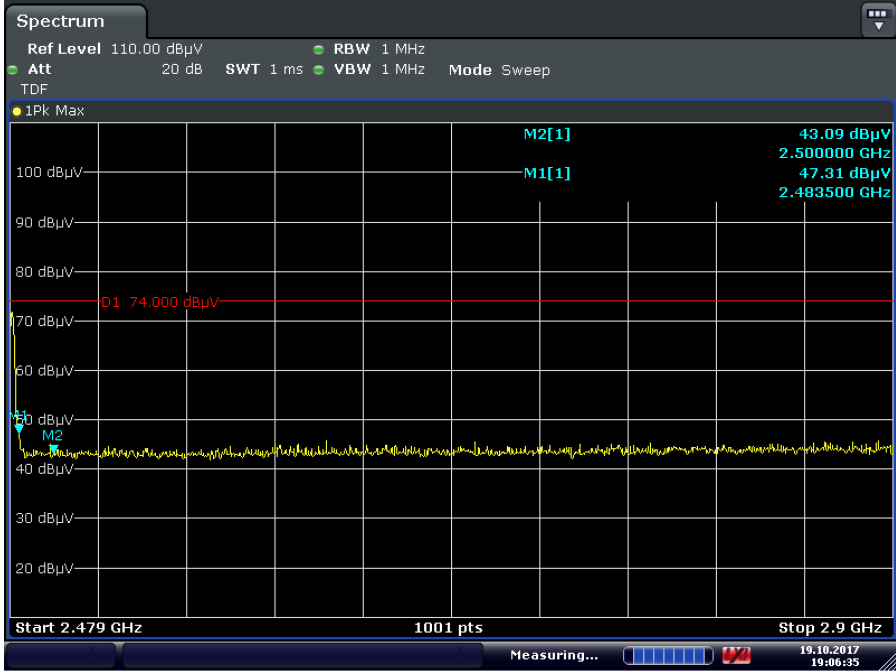
Spurious Emissions, Band Edge, 2.35-2.5G

Radiated Bandedge (GFSK)

High Channel (Hor)



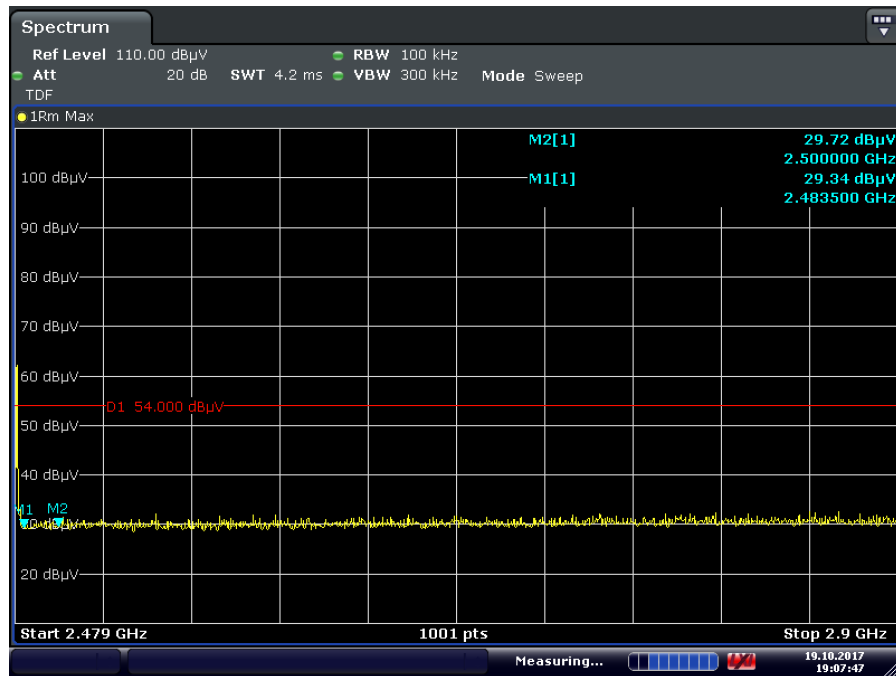
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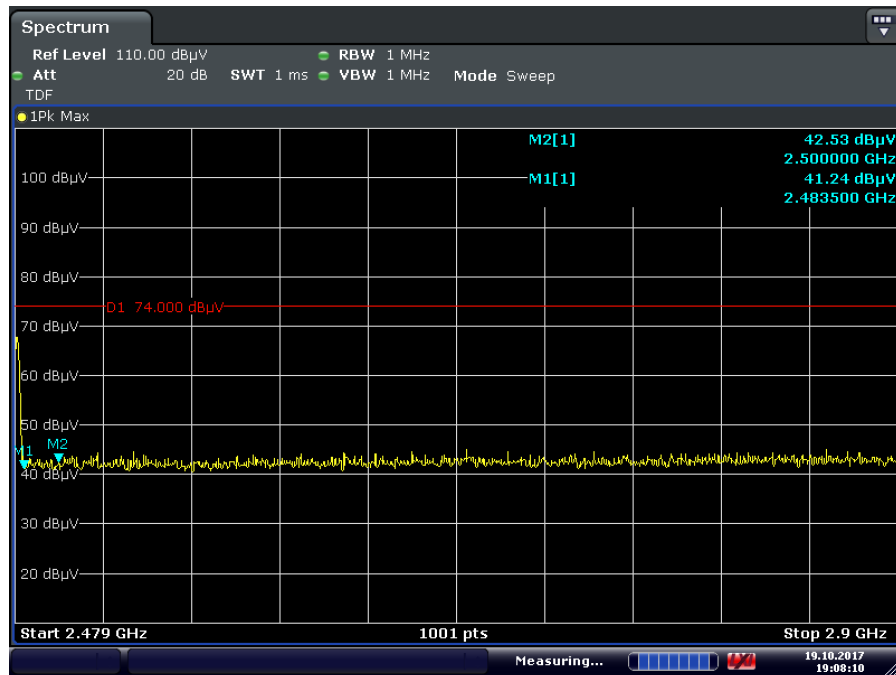
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Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



Date: 19.OCT.2017 19:07:48



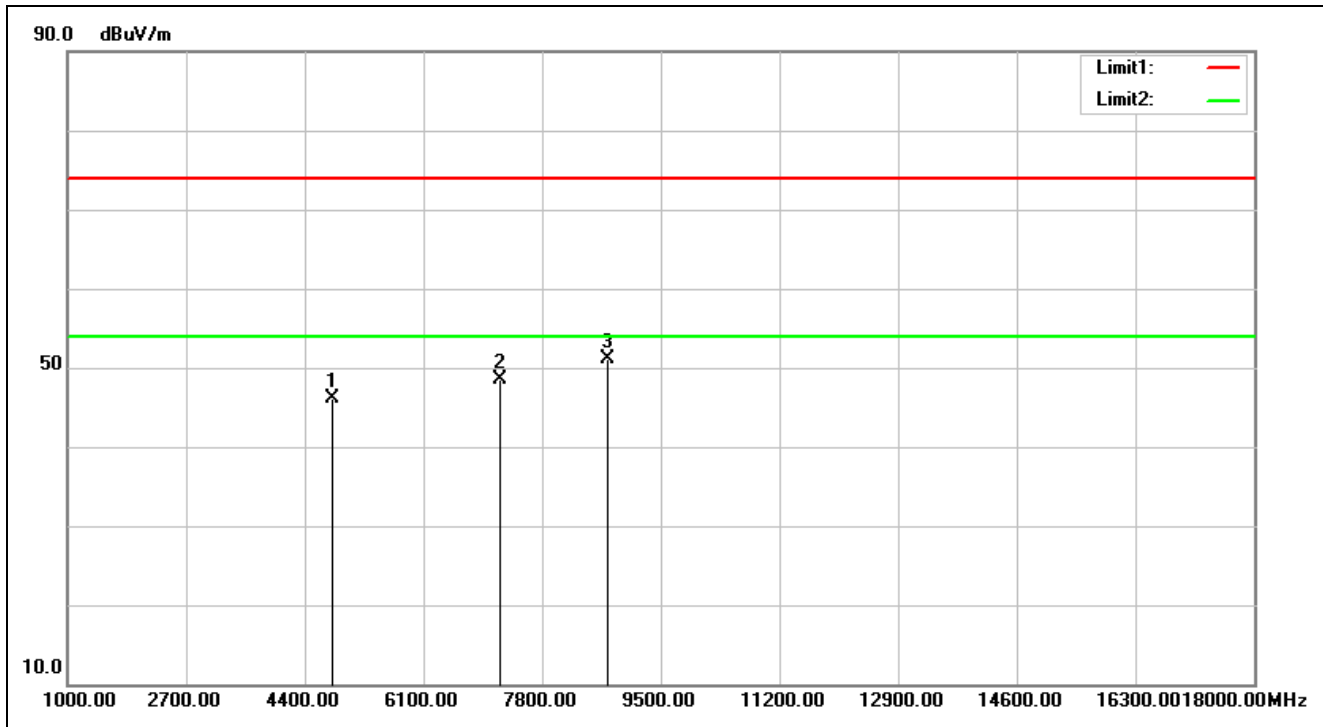
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Spurious Emissions, Band Edge, 2.35-2.5G

Spurious Emissions, TX Mode, 1-18G

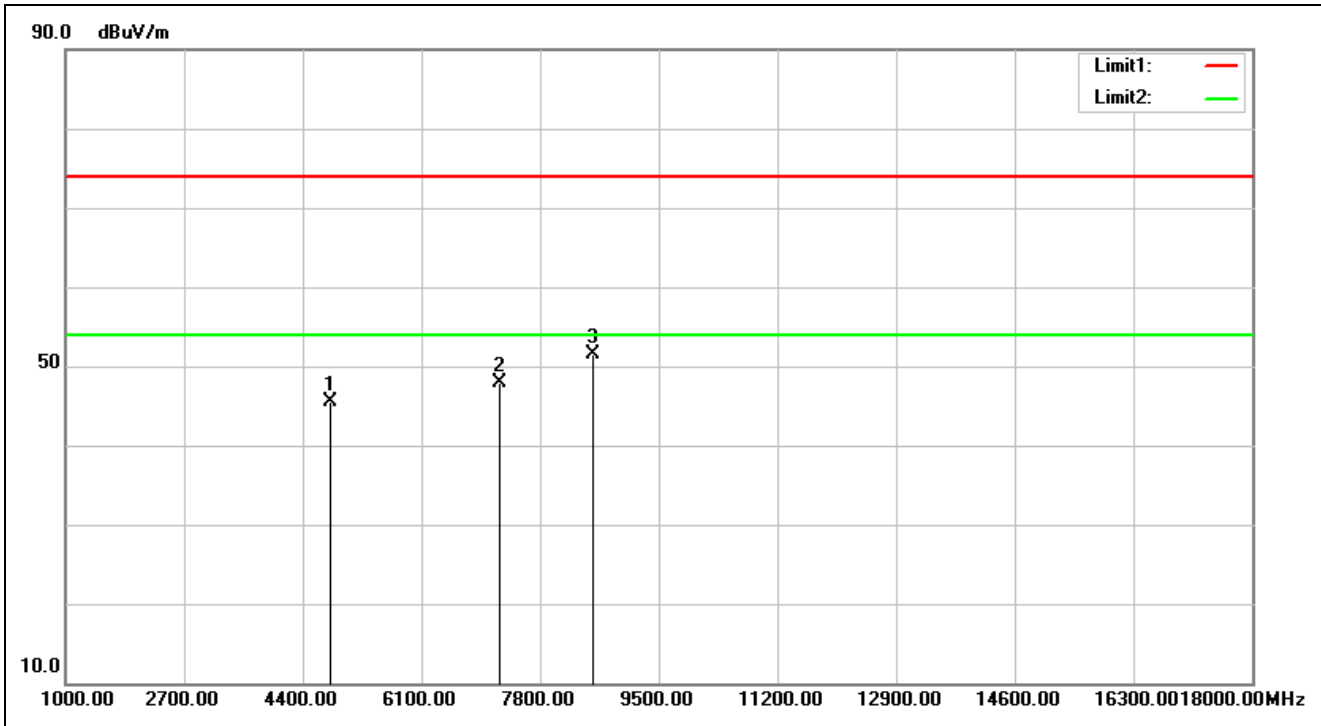


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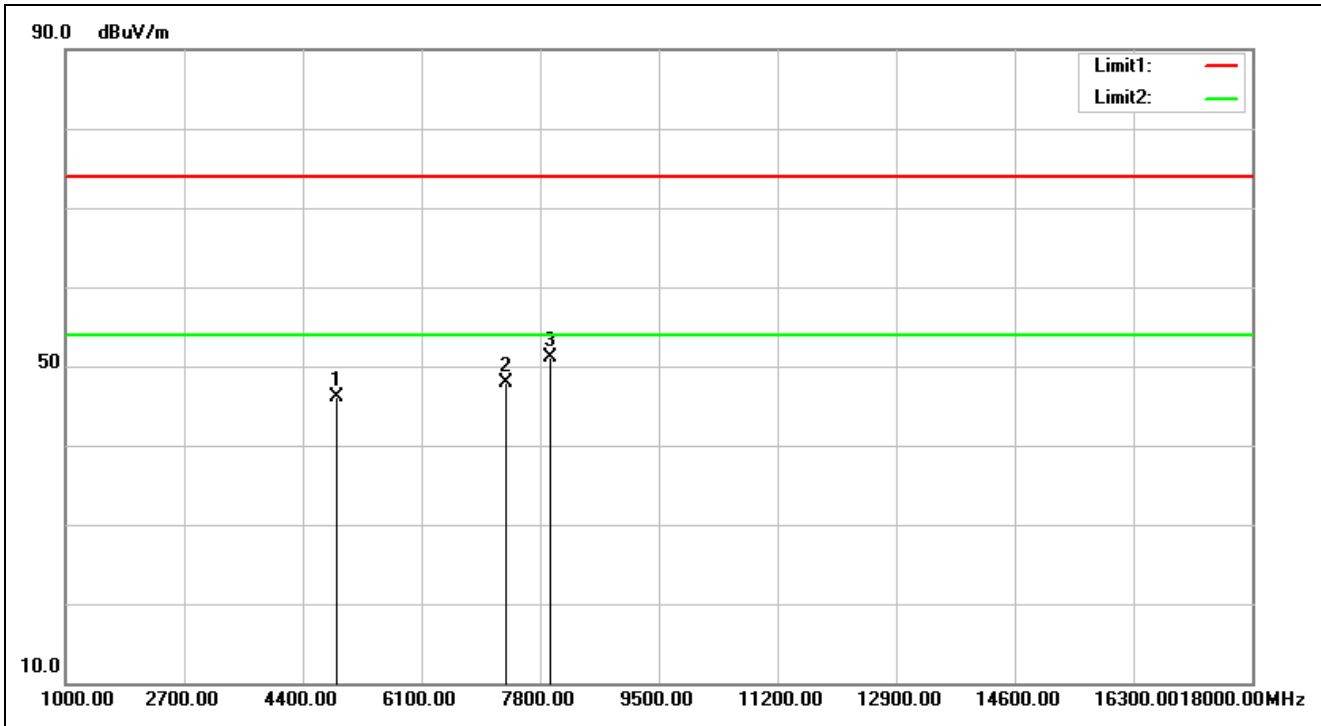
Service No.:	114069800(ICT-17K01)-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/10/19 19:23:59
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-3.52	49.66	46.14	74.00	-27.86	peak			
2	7206.000	4.25	44.16	48.41	74.00	-25.59	peak			
3	8735.000	5.46	45.74	51.20	74.00	-22.80	peak	100	326	



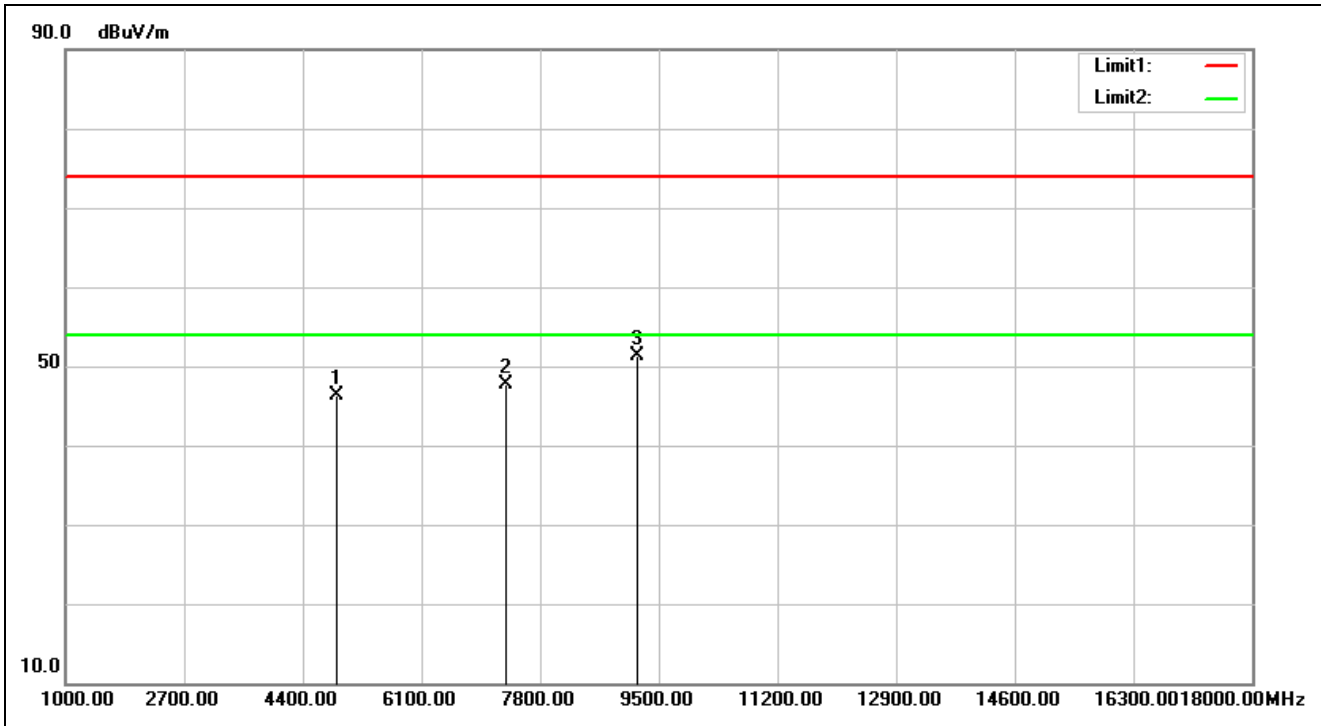
Service No.:	114069800(ICT-17K01)-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/10/19 19:25:02
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-3.52	48.99	45.47	74.00	-28.53	peak			
2	7206.000	4.25	43.73	47.98	74.00	-26.02	peak			
3	8548.000	5.46	46.10	51.56	74.00	-22.44	peak	100	172	



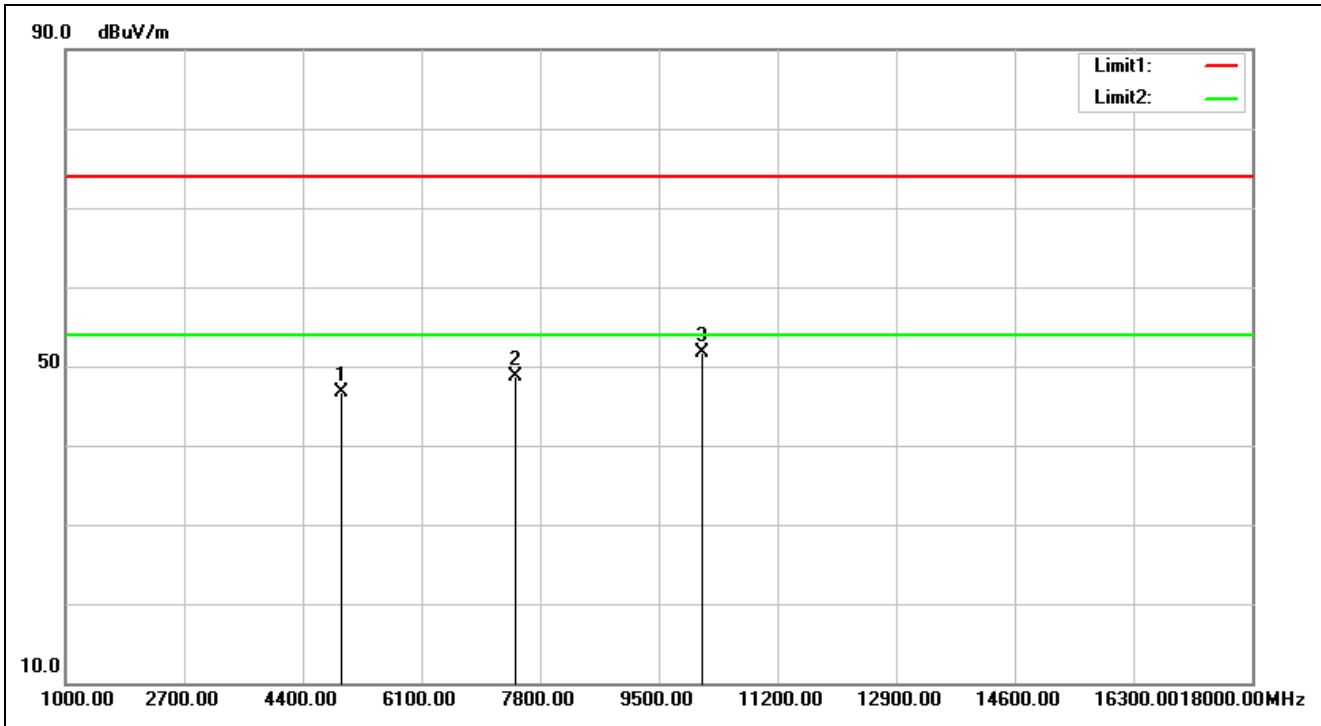
Service No.:	114069800(ICT-17K01)-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/10/19 19:29:12
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-3.40	49.48	46.08	74.00	-27.92	peak			
2	7320.000	4.55	43.27	47.82	74.00	-26.18	peak			
3	7953.000	4.78	46.31	51.09	74.00	-22.91	peak	100	44	



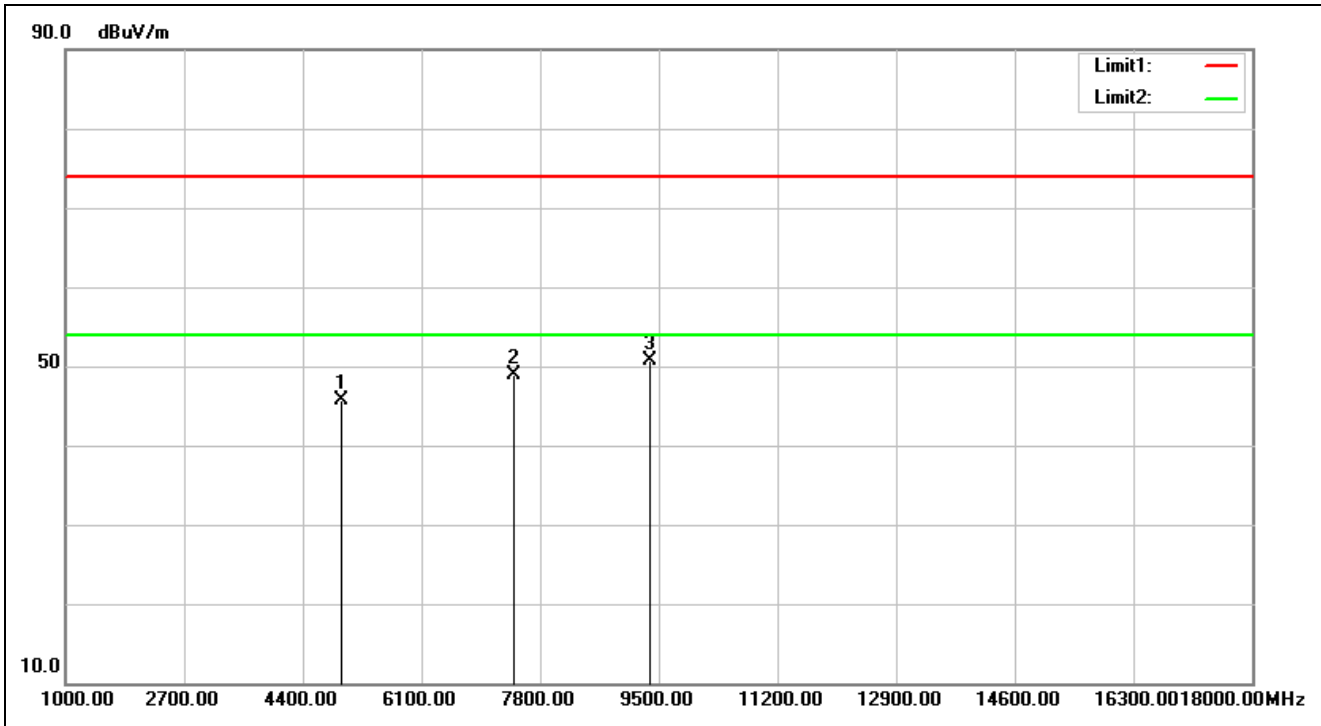
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/10/19 19:30:15
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-3.40	49.75	46.35	74.00	-27.65	peak			
2	7320.000	4.55	43.14	47.69	74.00	-26.31	peak			
3	9194.000	5.49	45.74	51.23	74.00	-22.77	peak	100	183	



Service No.:	114069800(ICT-17K01)-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/10/19 19:16:25
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-3.28	49.89	46.61	74.00	-27.39	peak		0	
2	7440.000	4.86	43.91	48.77	74.00	-25.23	peak		0	
3	10112.000	4.42	47.31	51.73	74.00	-22.27	peak	100	280	



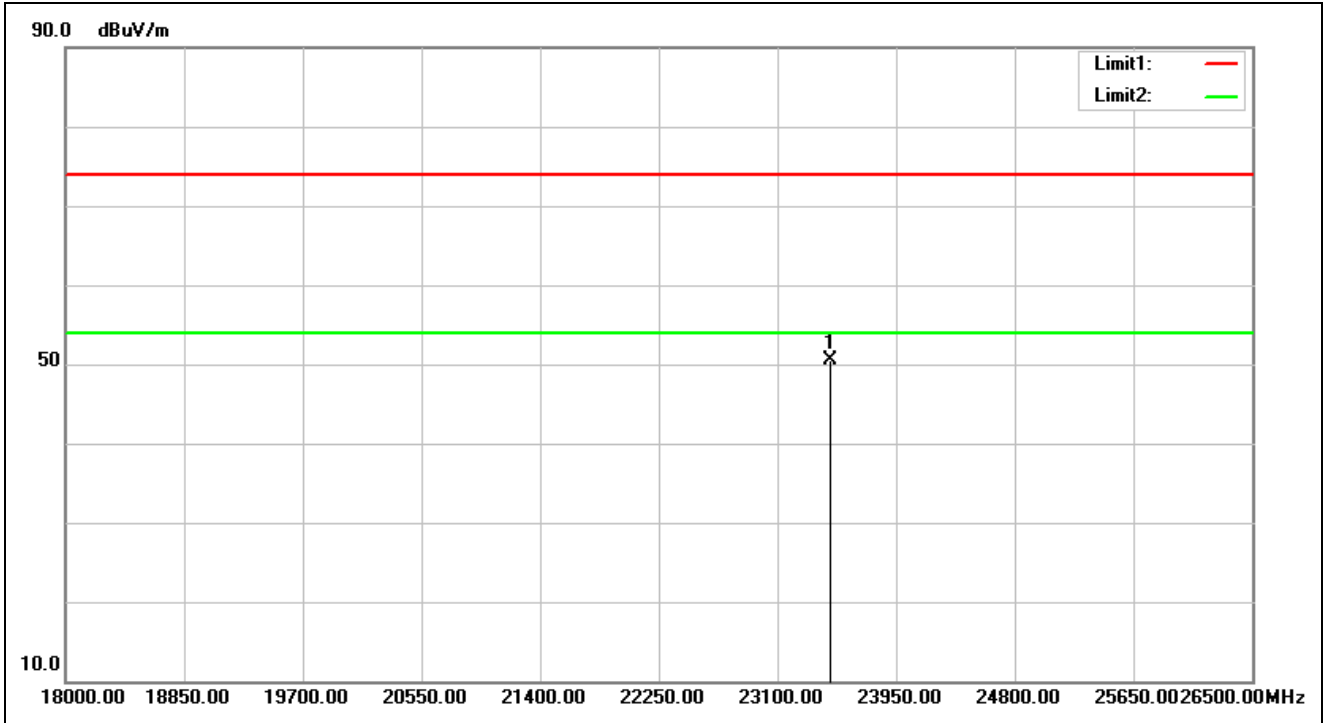
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/10/19 19:17:28
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-3.28	49.03	45.75	74.00	-28.25	peak			
2	7440.000	4.86	44.03	48.89	74.00	-25.11	peak			
3	9364.000	5.51	45.20	50.71	74.00	-23.29	peak	100	164	

Spurious Emissions, TX Mode, 18-26G



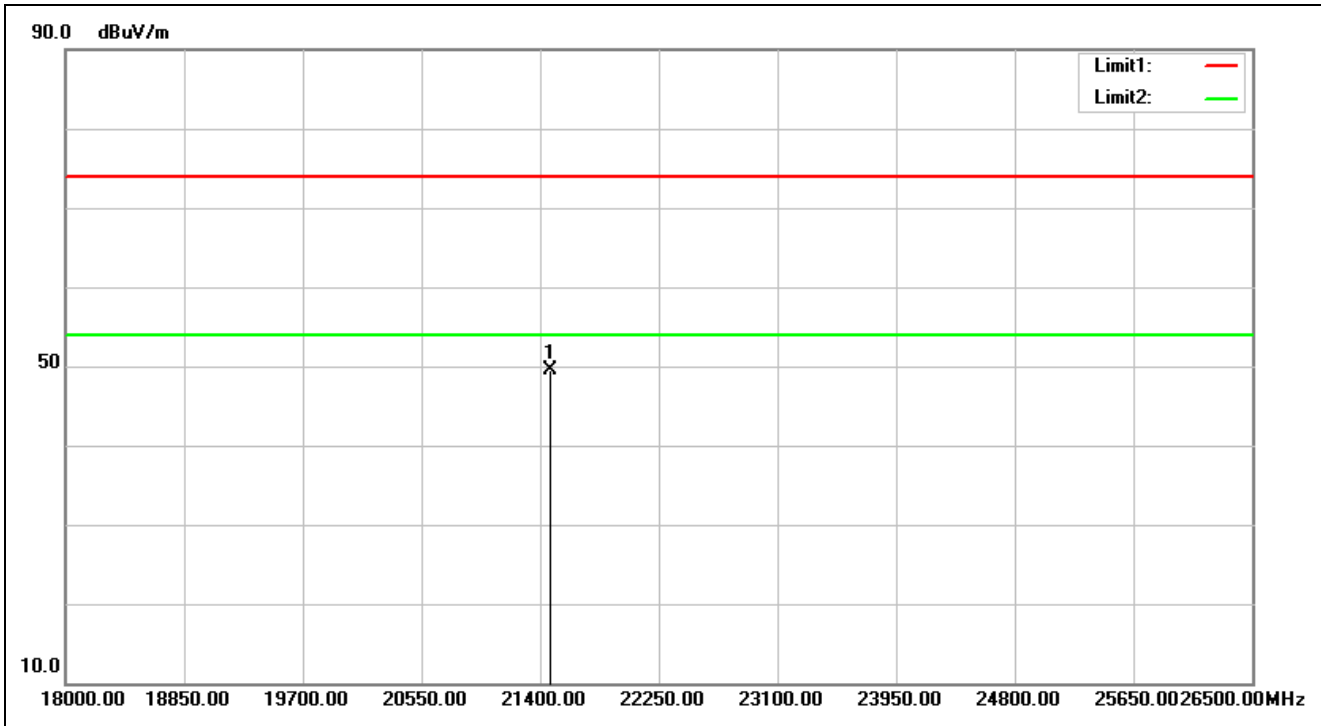
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Service No.:	114069800(ICT-17K01)-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/10/19 19:38:17
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2402-TX		
Remark:			

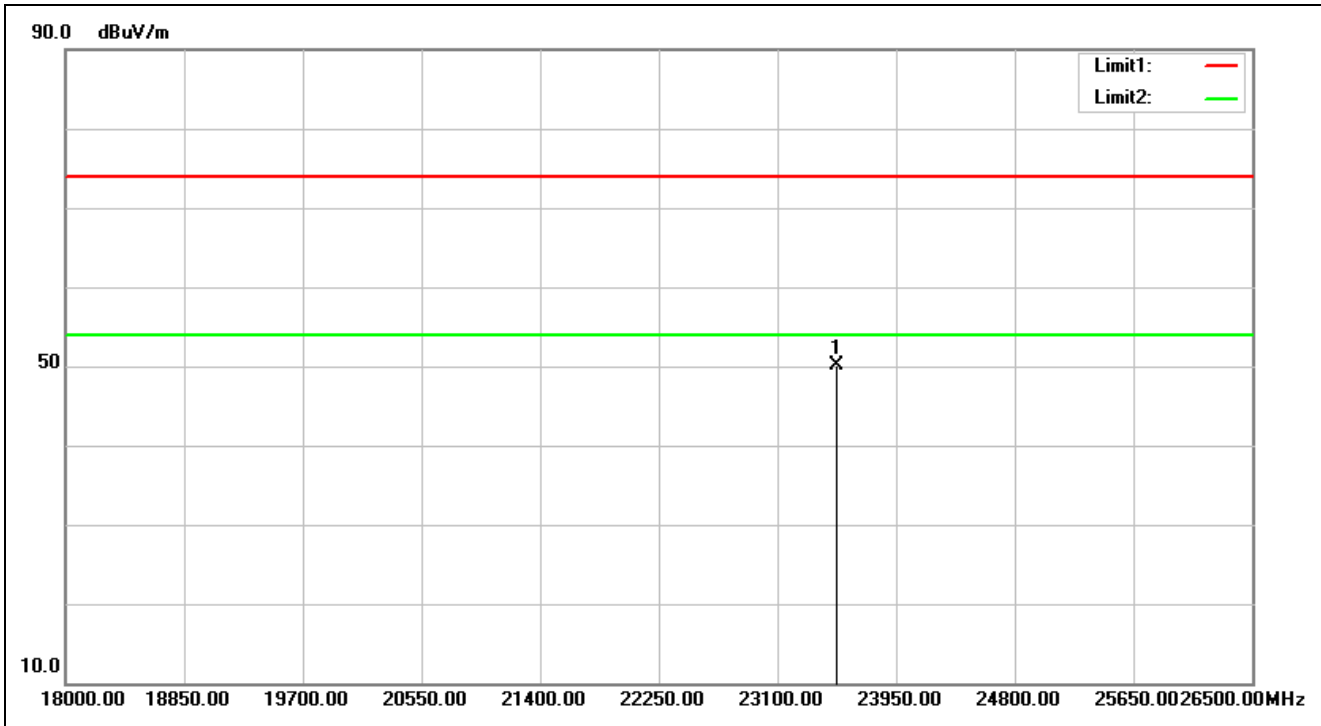
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23474.000	32.40	18.07	50.47	74.00	-23.53	peak		0	

Spurious Emissions, RX Mode, 30M-1G



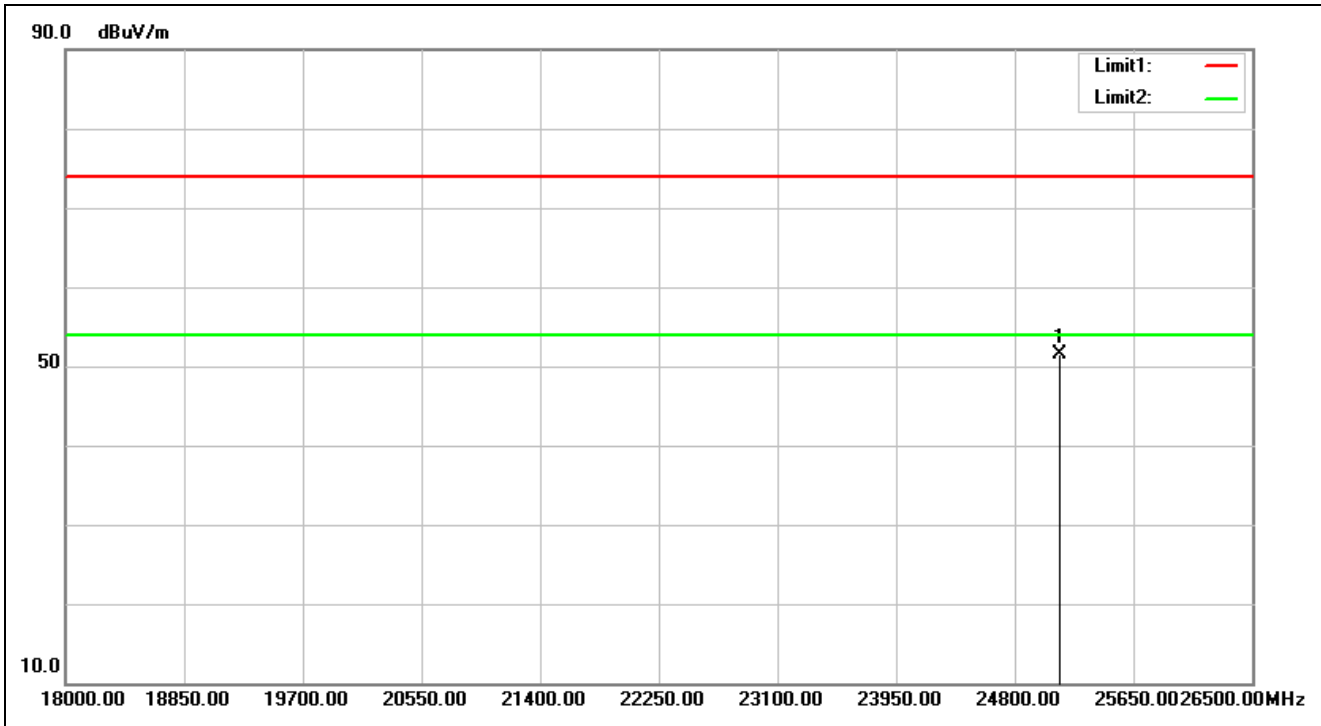
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/10/19 19:38:26
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21476.500	31.99	17.43	49.42	74.00	-24.58	peak			



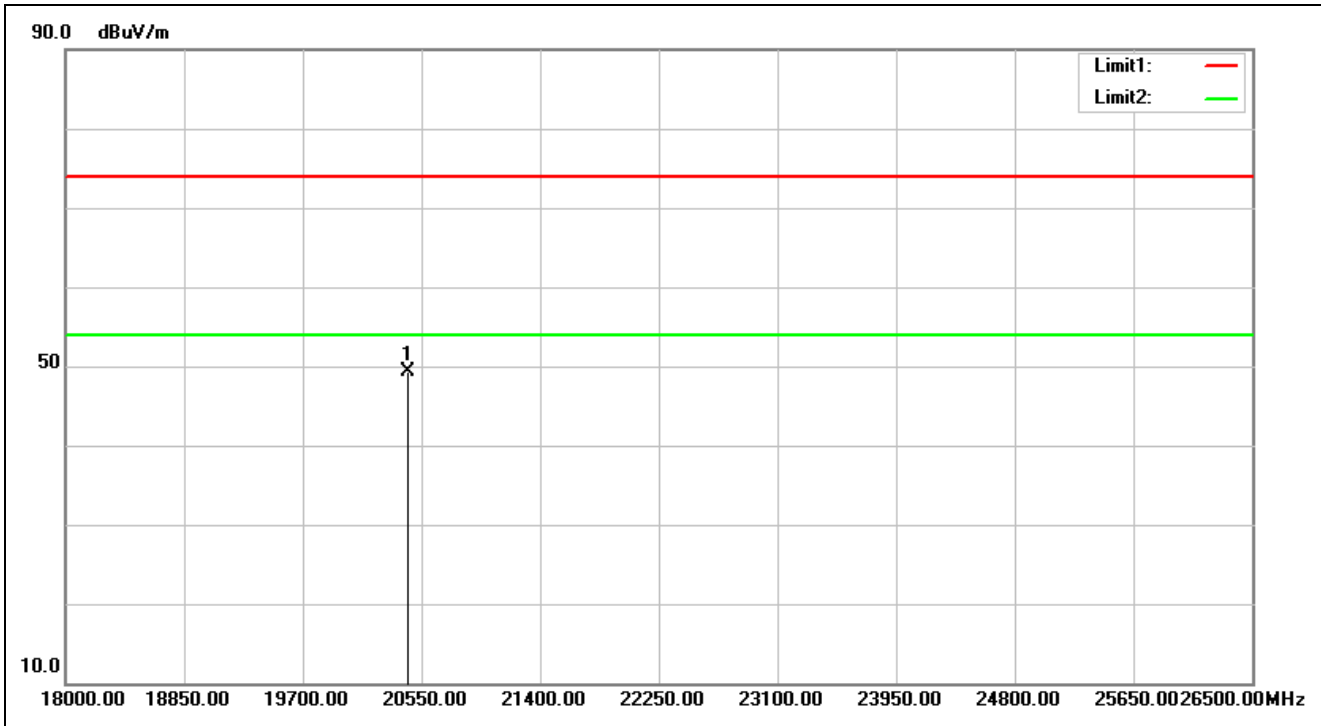
Service No.:	114069800(ICT-17K01)-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/10/19 19:38:40
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23525.000	32.39	17.63	50.02	74.00	-23.98	peak			



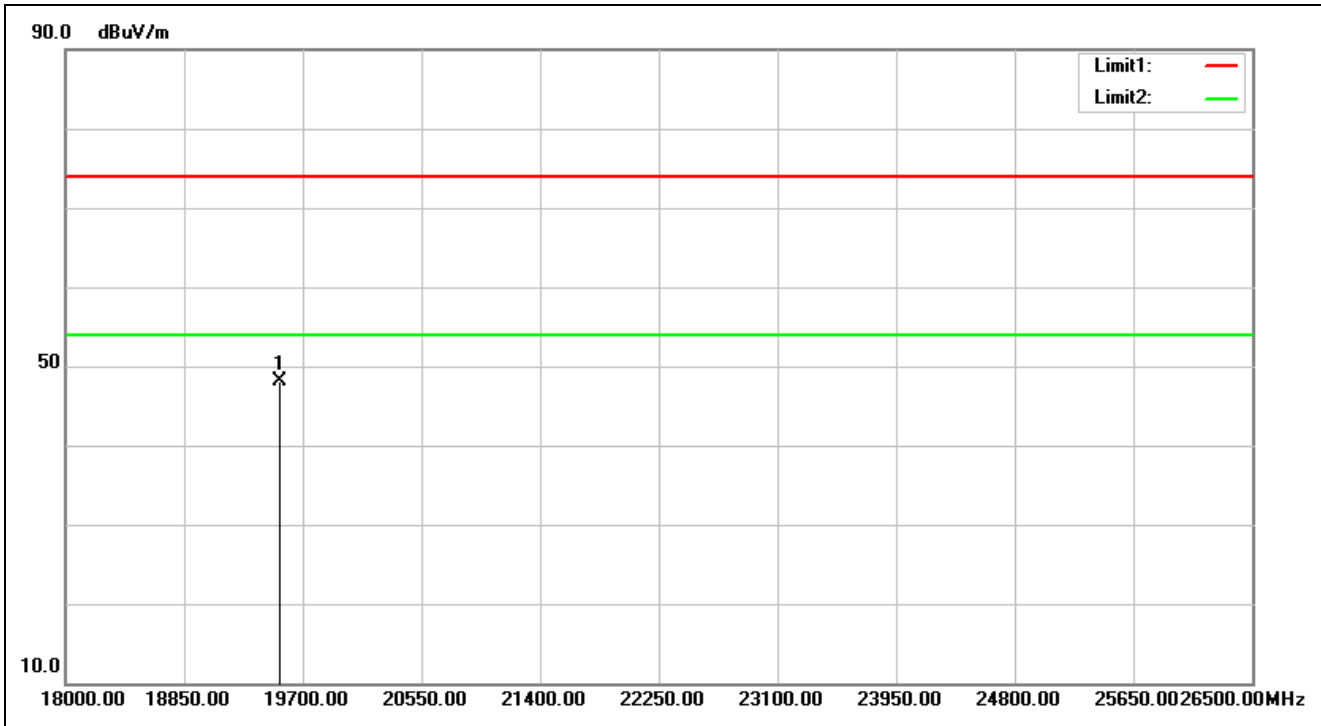
Service No.:	114069800(ICT-17K01)-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/10/19 19:38:47
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	25123.000	33.49	17.95	51.44	74.00	-22.56	peak			



Service No.:	114069800(ICT-17K01)-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/10/19 19:38:59
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20448.000	30.92	18.47	49.39	74.00	-24.61	peak			



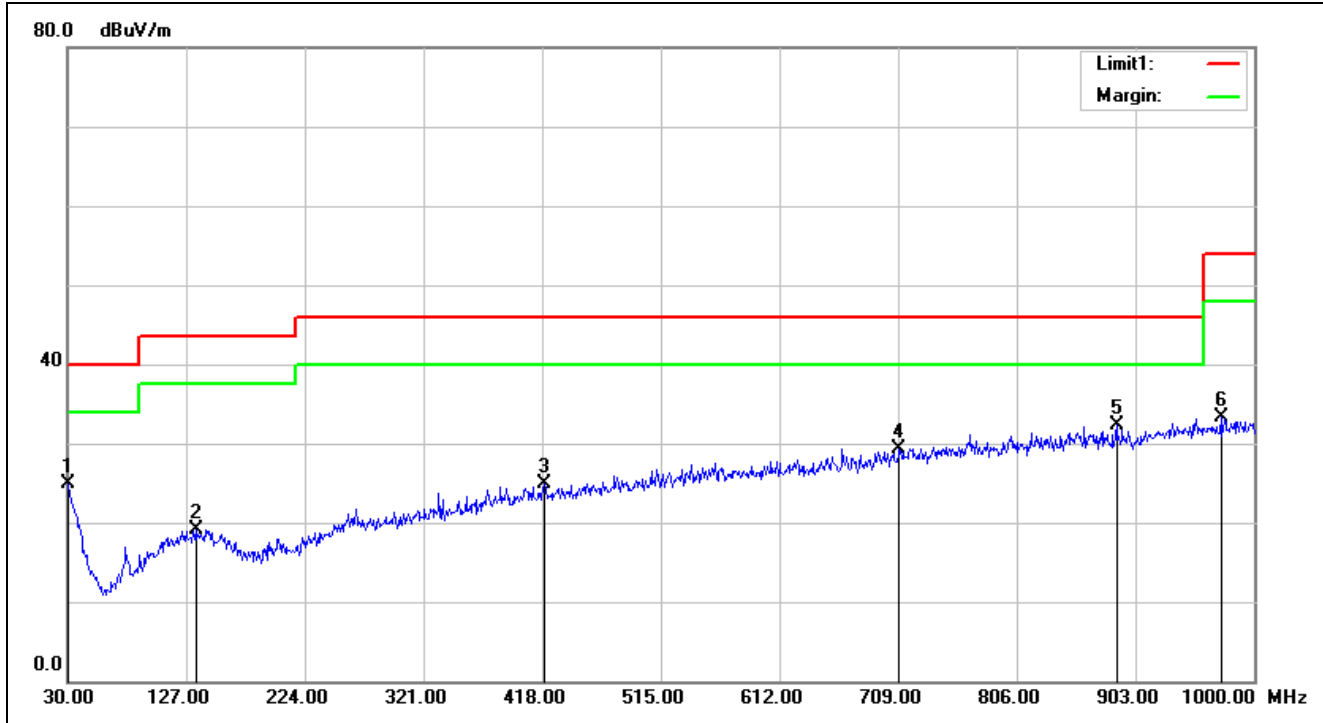
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Test item:	Radiation Emission	Test Time:	2017/10/19 19:39:07
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19530.000	30.07	18.03	48.10	74.00	-25.90	peak			

Spurious Emissions, TX Mode, 30M-1G



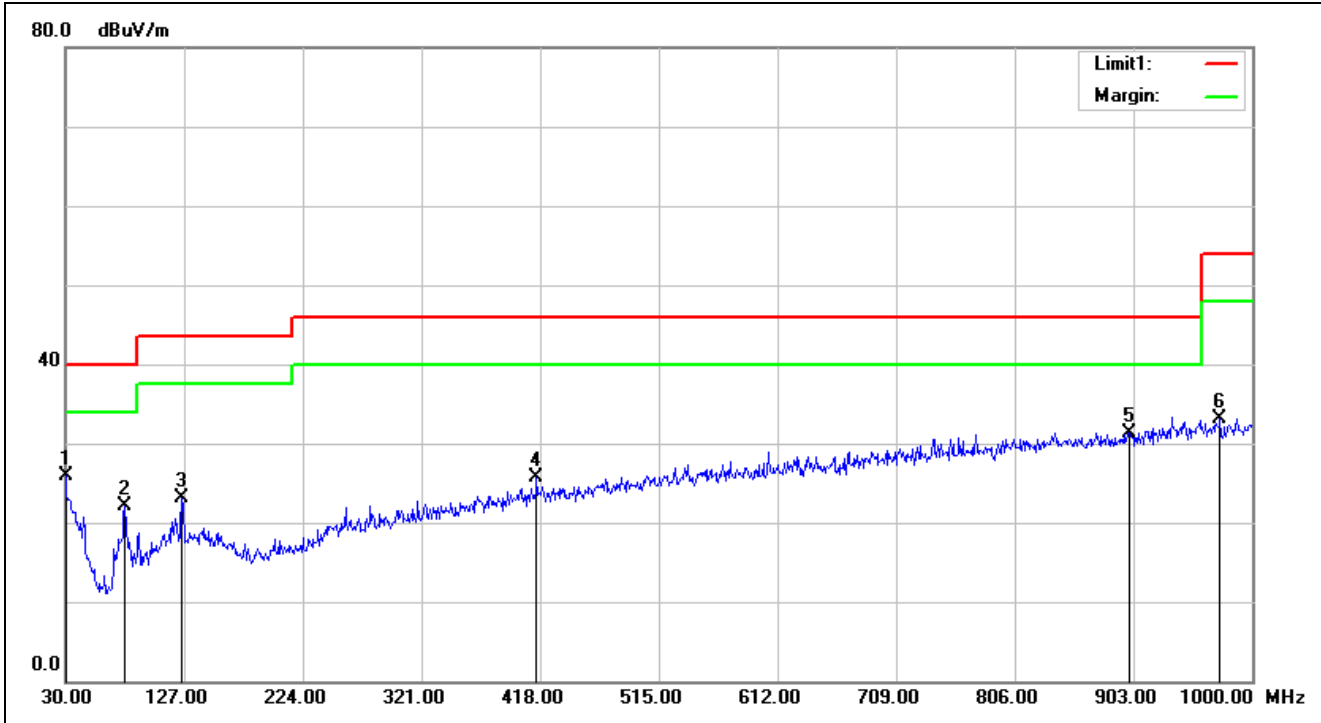
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Service No.:	114069800(ICT-17K01)-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/10/19 20:21:11
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.25	25.09	24.84	40.00	-15.16	QP	100	253	
2	134.7599	-7.10	26.20	19.10	43.50	-24.40	QP	100	274	
3	419.9399	-2.22	27.05	24.83	46.00	-21.17	QP	100	165	
4	709.9699	1.49	27.91	29.40	46.00	-16.60	QP	100	18	
5	887.4800	3.97	28.38	32.35	46.00	-13.65	QP	100	82	
6	972.8400	5.60	27.69	33.29	54.00	-20.71	QP	100	1	

Spurious Emissions, RX Mode, 30M-1G



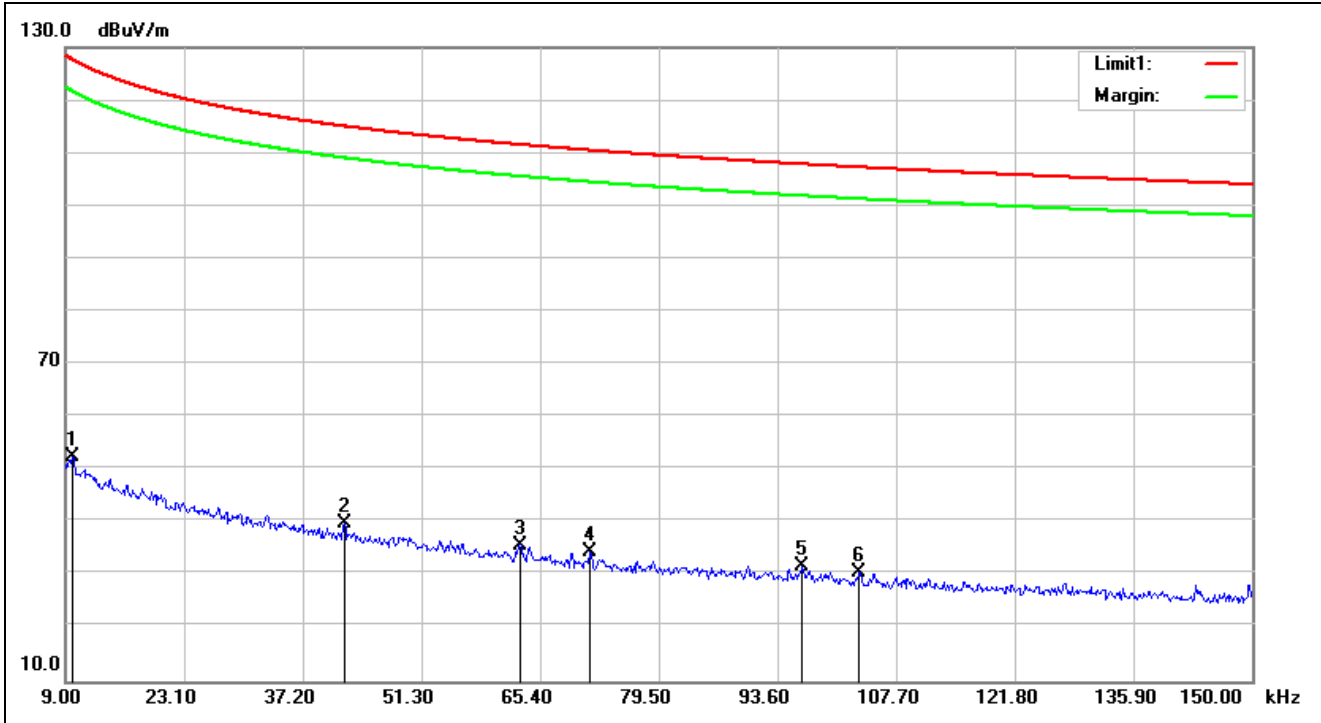
Service No.:	114069800(ICT-17K01)-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/10/19 20:22:15
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.25	26.13	25.88	40.00	-14.12	QP	100	285	
2	78.5000	-12.20	34.25	22.05	40.00	-17.95	QP	100	101	
3	125.0600	-7.32	30.49	23.17	43.50	-20.33	QP	100	269	
4	415.0900	-2.28	28.06	25.78	46.00	-20.22	QP	100	328	
5	900.0900	4.06	27.33	31.39	46.00	-14.61	QP	100	0	
6	973.8100	5.61	27.44	33.05	54.00	-20.95	QP	100	160	

Spurious Emissions, TX Mode, 9k-30M



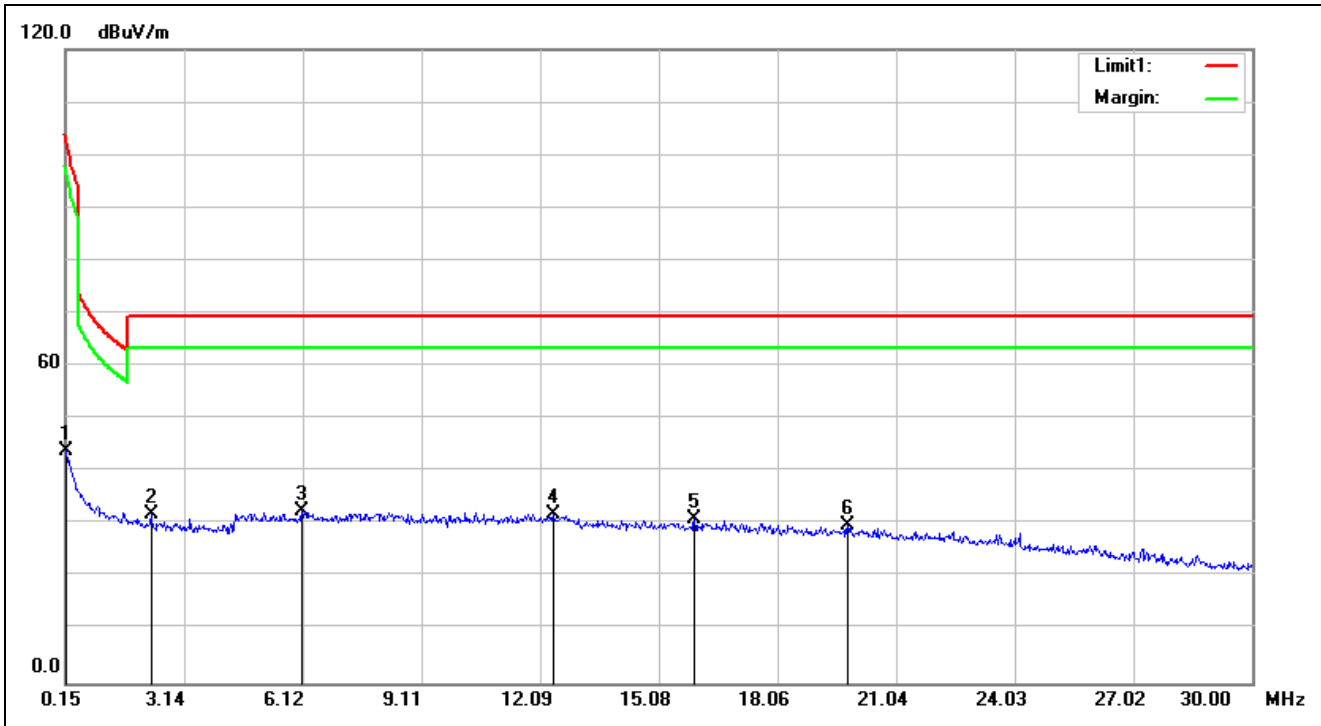
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Service No.:	114069800(ICT-17K01)-FCC	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/10/19 20:27:02
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0098	19.86	32.62	52.48	127.67	-75.19	QP	100	110	
2	0.0421	19.71	20.20	39.91	115.05	-75.14	QP	100	0	
3	0.0629	19.35	16.45	35.80	111.57	-75.77	QP	100	360	
4	0.0713	19.30	15.28	34.58	110.49	-75.91	QP	100	243	
5	0.0966	19.15	12.60	31.75	107.86	-76.11	QP	100	137	
6	0.1033	19.13	11.34	30.47	107.28	-76.81	QP	100	157	

Spurious Emissions, RX Mode, 30M-1G



Service No.:	114069800(ICT-17K01)-FCC	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/10/19 20:29:02
Applicant:	Walt Technology	Test Rating:	DC 3V
Product:	I-Care taker	Temp.(°C)/Hum.(%):	22(°C)/56%
Model No.:	ICT-17K01	Test Engineer:	George Yang
Test Mode:	2440-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1799	19.06	24.79	43.85	102.47	-58.62	QP	100	359	
2	2.2992	18.69	13.27	31.96	69.50	-37.54	QP	100	299	
3	6.0901	19.86	12.73	32.59	69.50	-36.91	QP	100	202	
4	12.4184	20.65	11.34	31.99	69.50	-37.51	QP	100	351	
5	15.9705	21.27	9.71	30.98	69.50	-38.52	QP	100	117	
6	19.8211	21.95	7.96	29.91	69.50	-39.59	QP	100	357	