

Test Report No.10050599 001

Appendix D: Radiated Spurious Emission Data

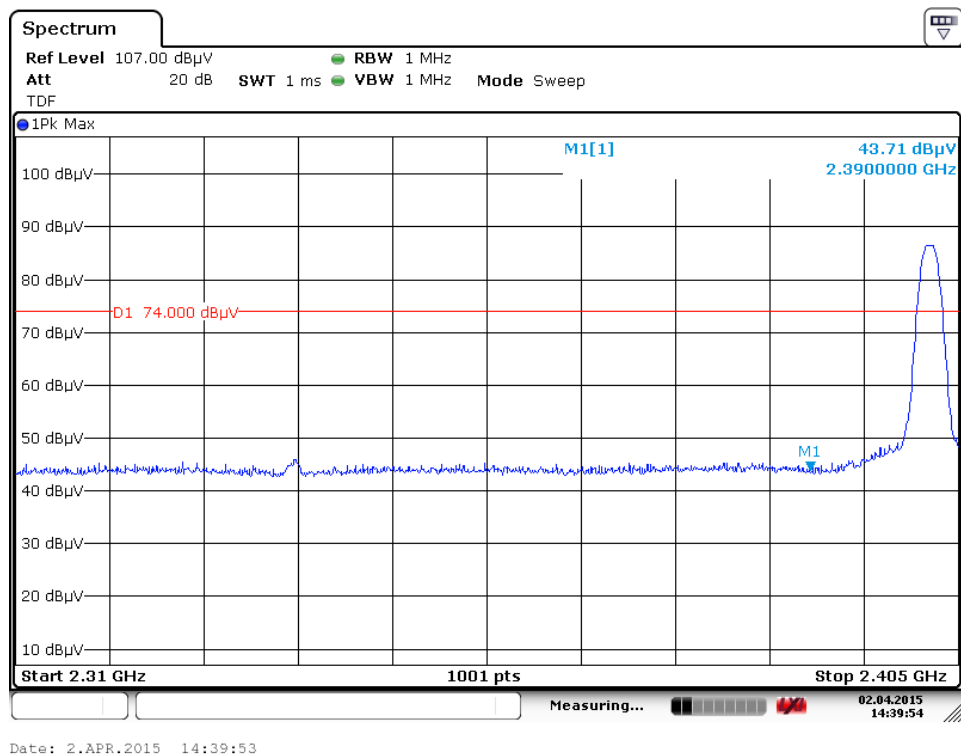
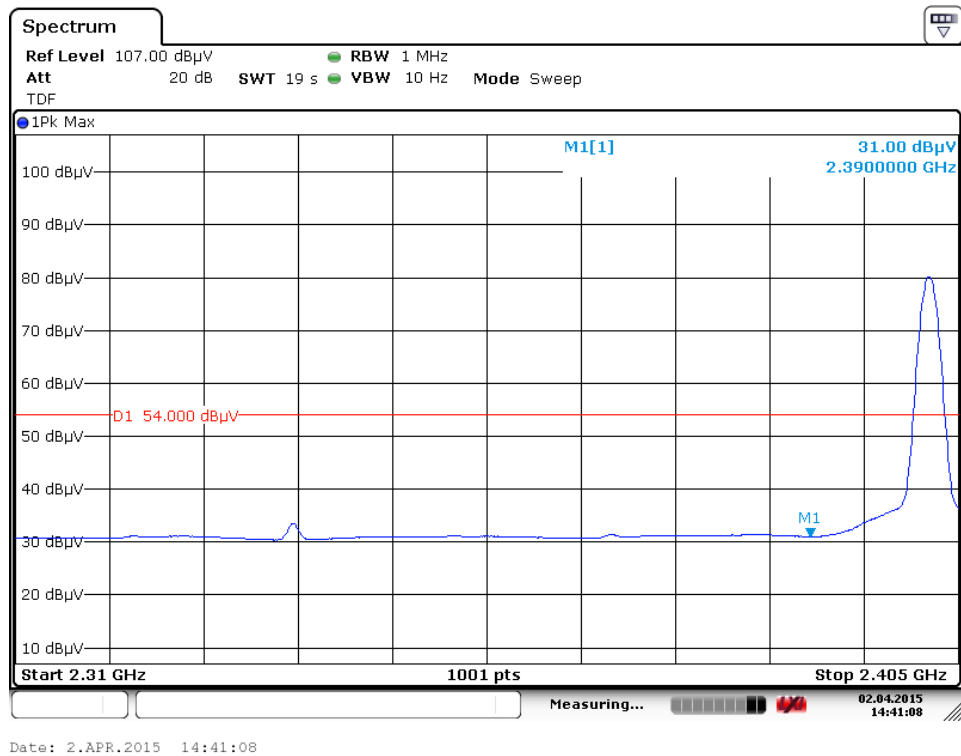
(File: 10050599AppendixD)

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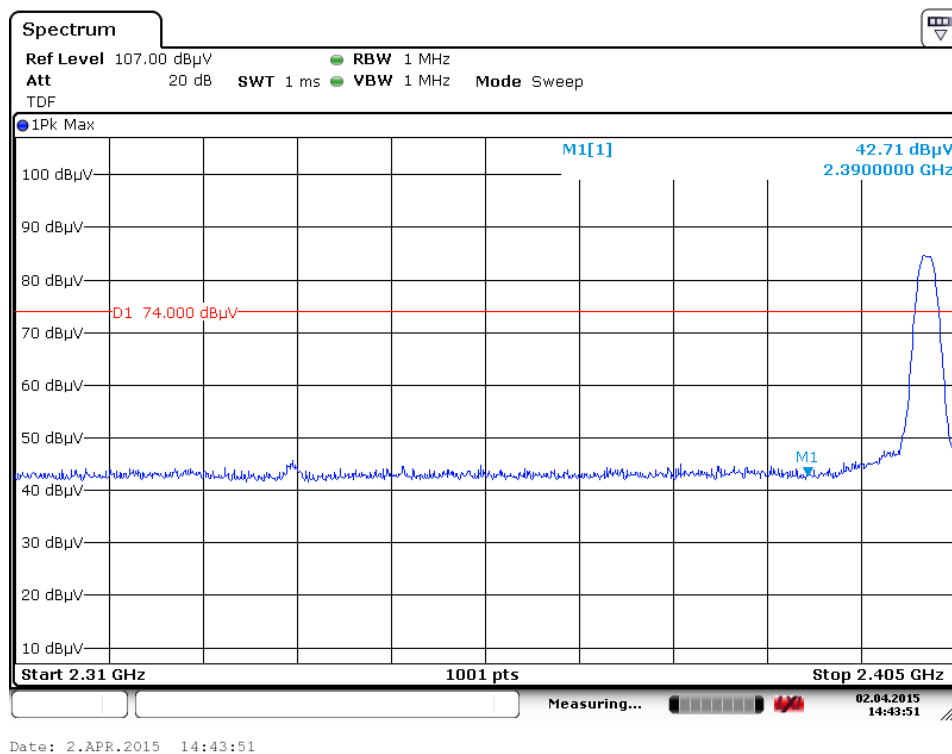
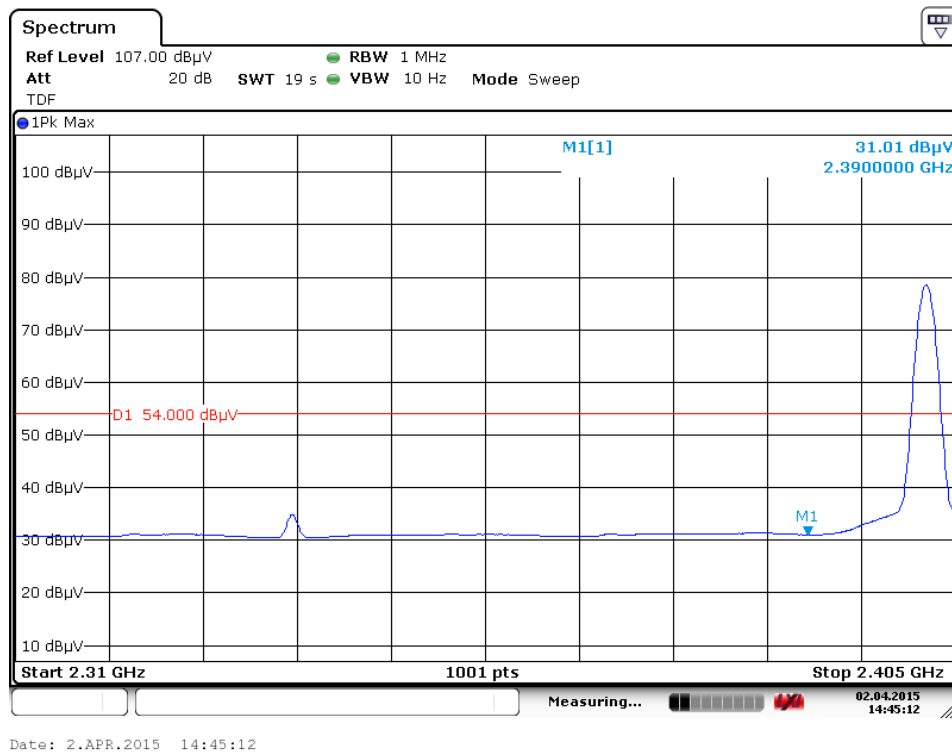
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Radiated Bandedge (GFSK)

Low Channel (Hor)



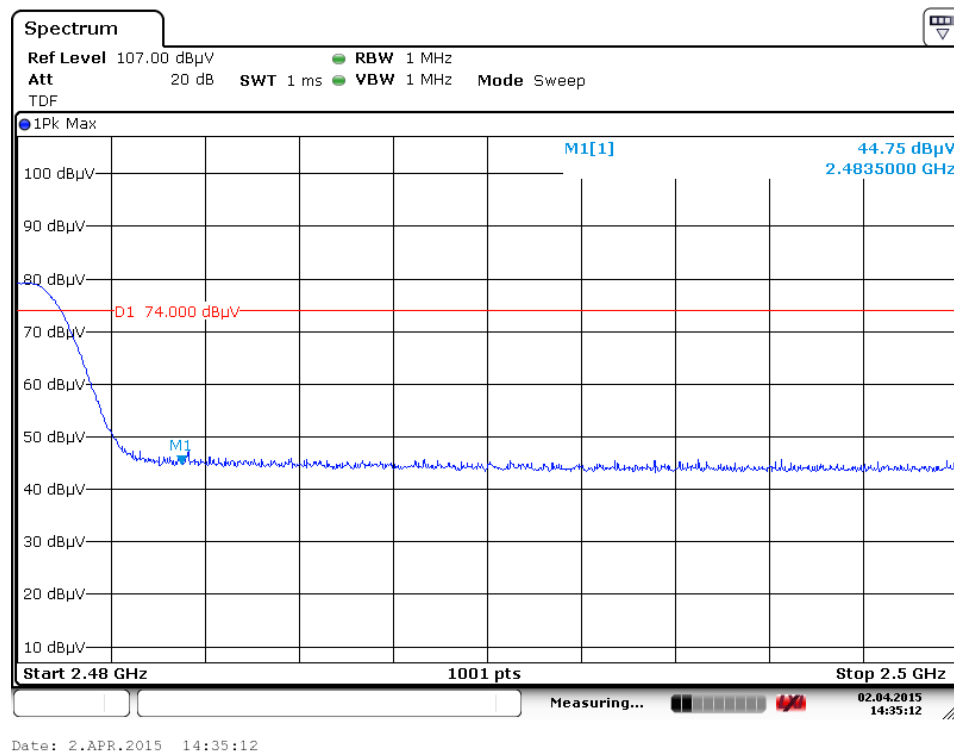
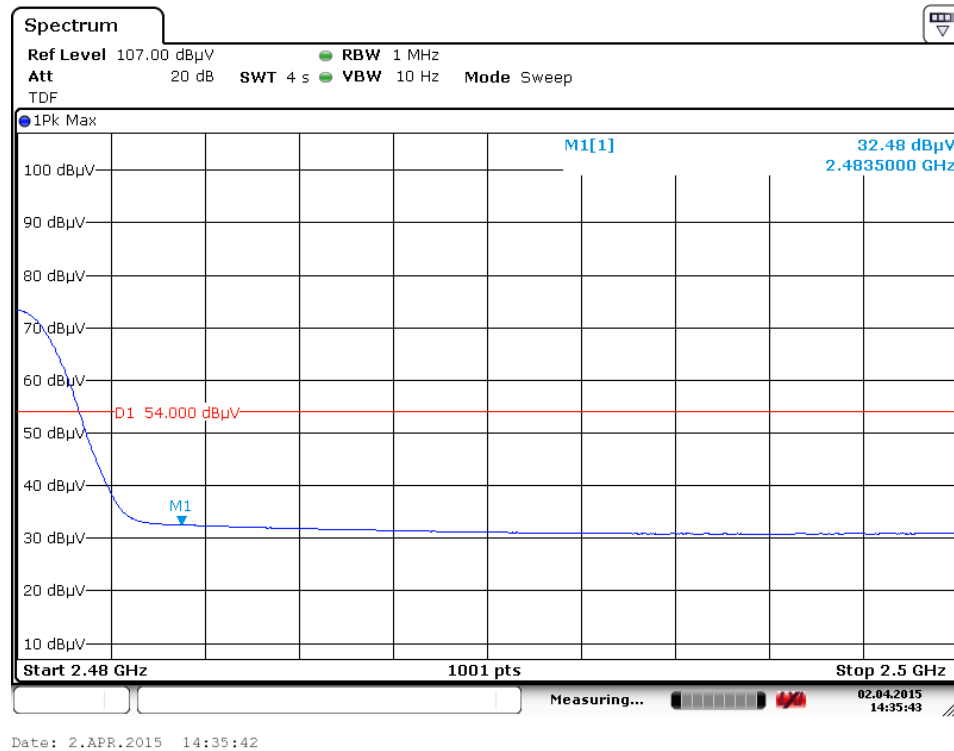
Low Channel (Ver)



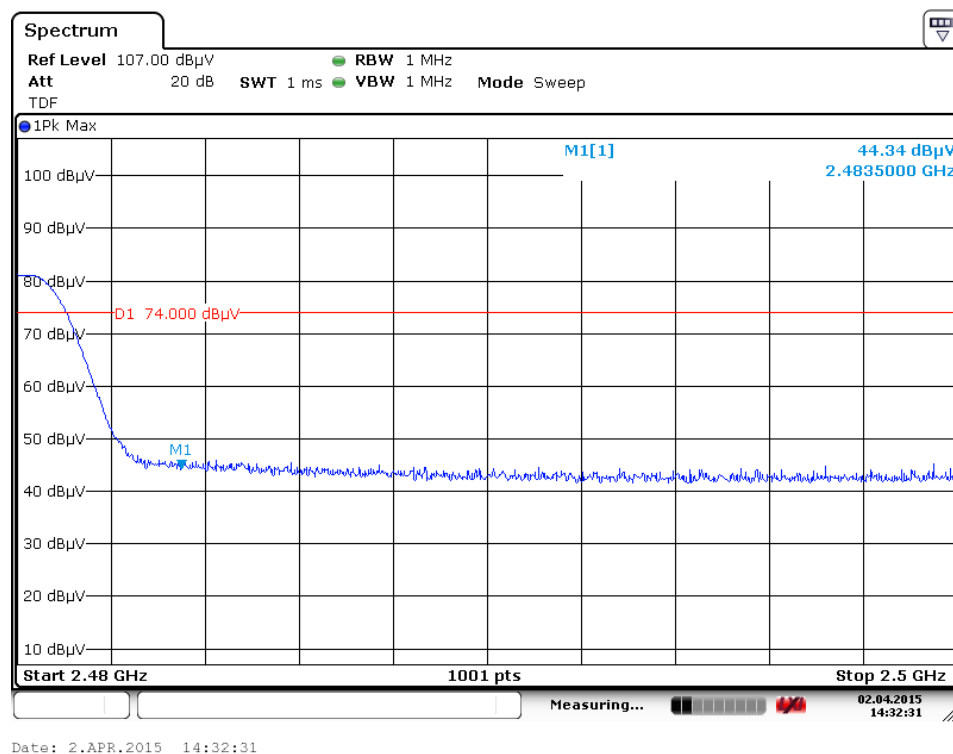
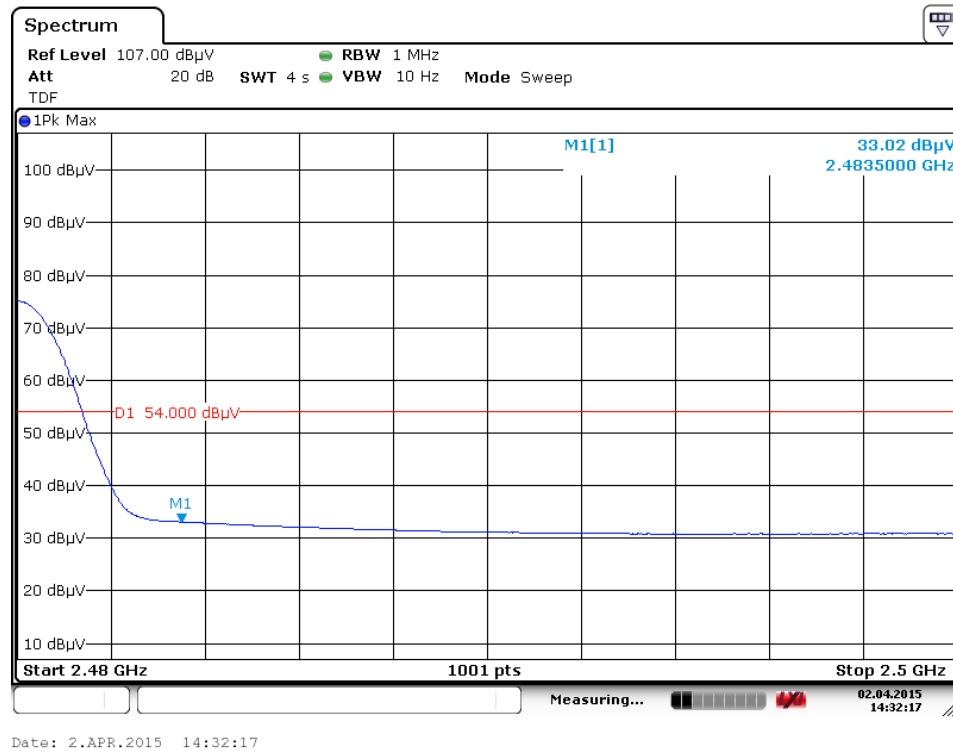
Spurious Emissions, Band Edge, 2.35-2.5G

Radiated Bandedge (GFSK)

High Channel (Hor)



High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

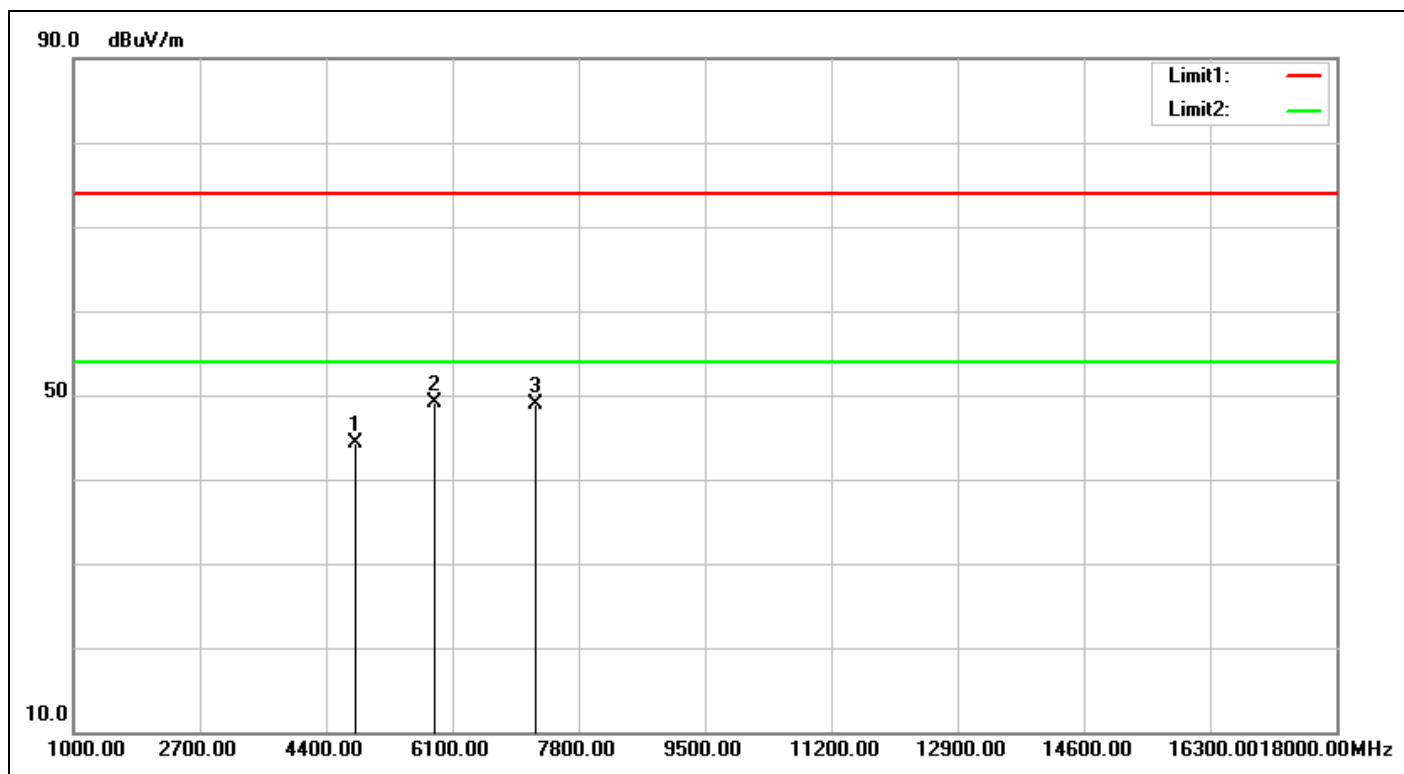
Spurious Emissions, TX Mode, 1-18G



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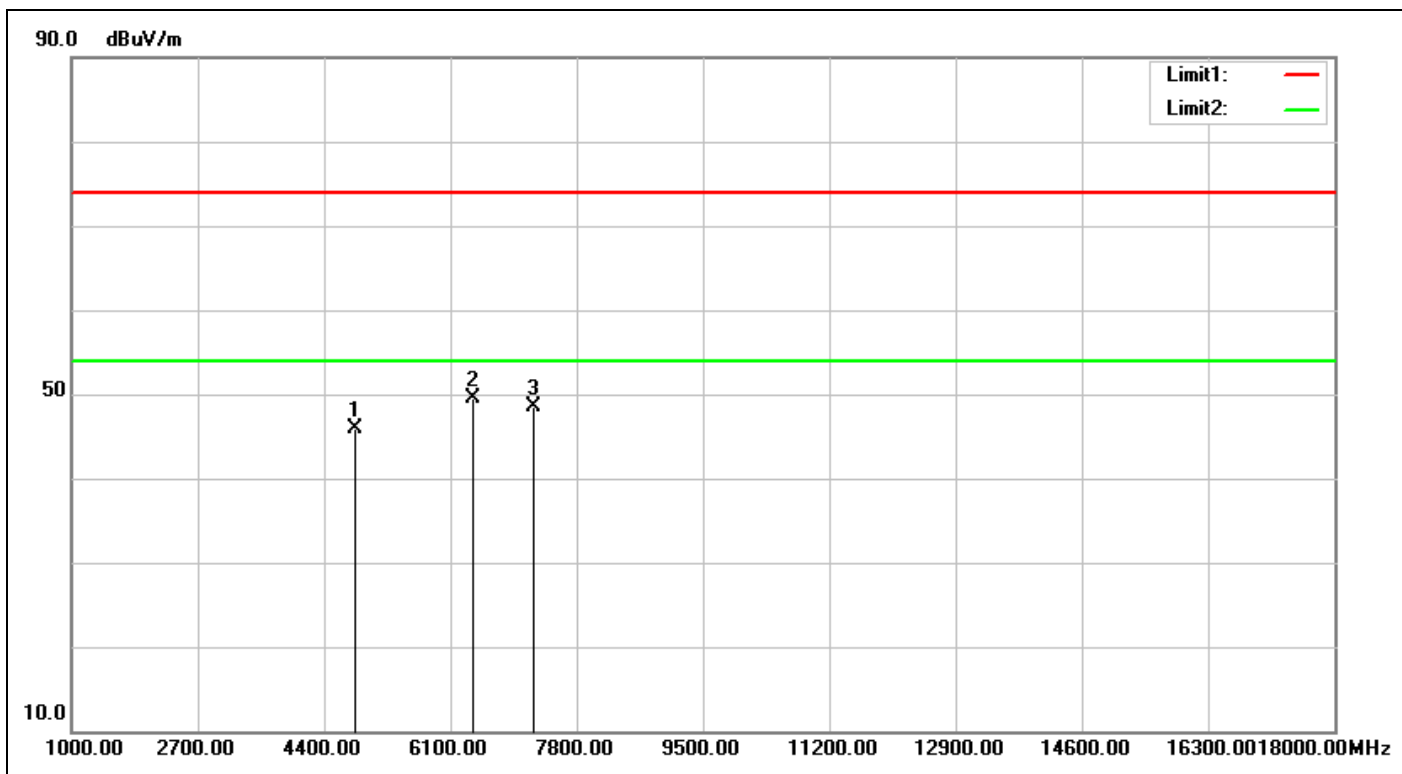
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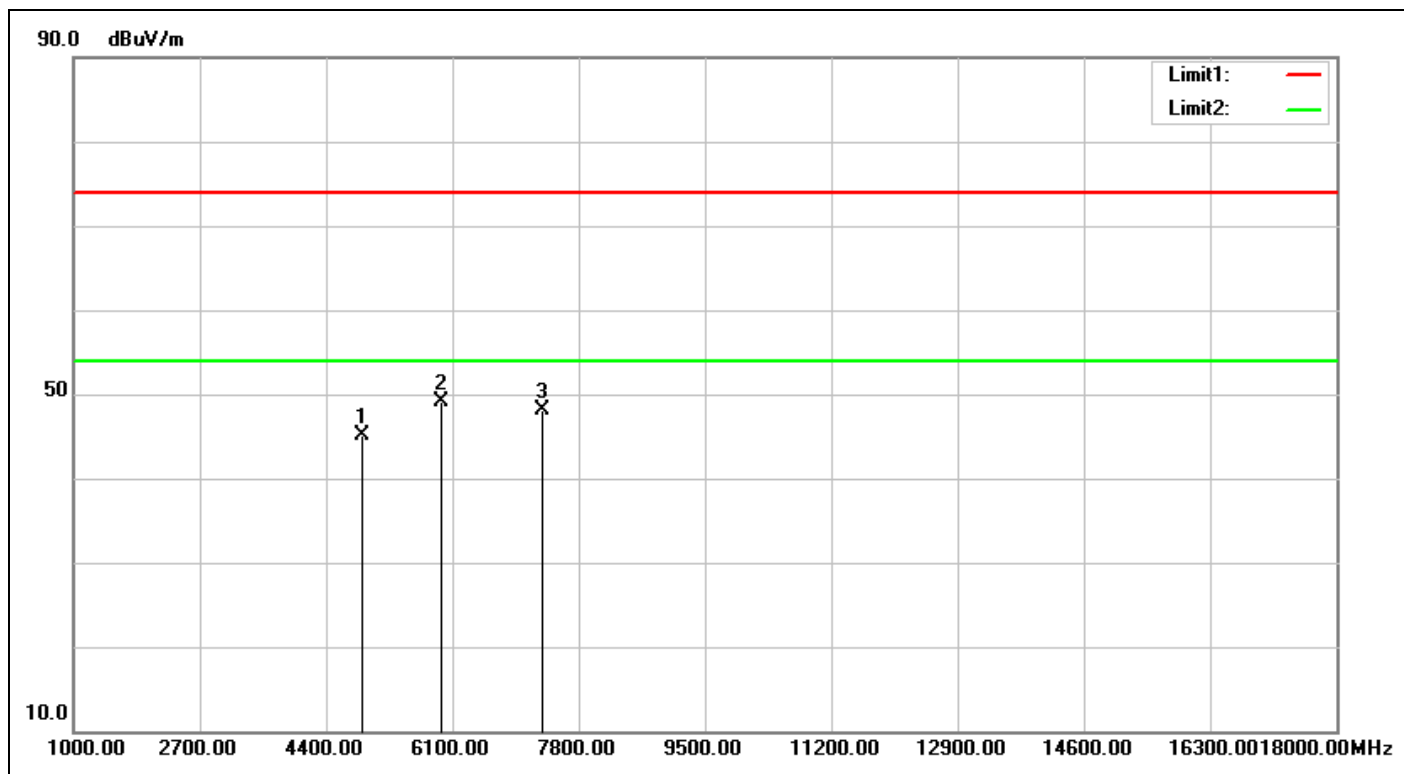
Service No.:	114031999-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/4/2 14:13:50
Applicant:	K-Jump	Test Rating:	DC 6V
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%)	22(°C)/58%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	-2.79	47.17	44.38	74.00	-29.62	peak		0	
2	5862.000	2.73	46.37	49.10	74.00	-24.90	peak	100	133	
3	7206.000	5.44	43.53	48.97	74.00	-25.03	peak		0	



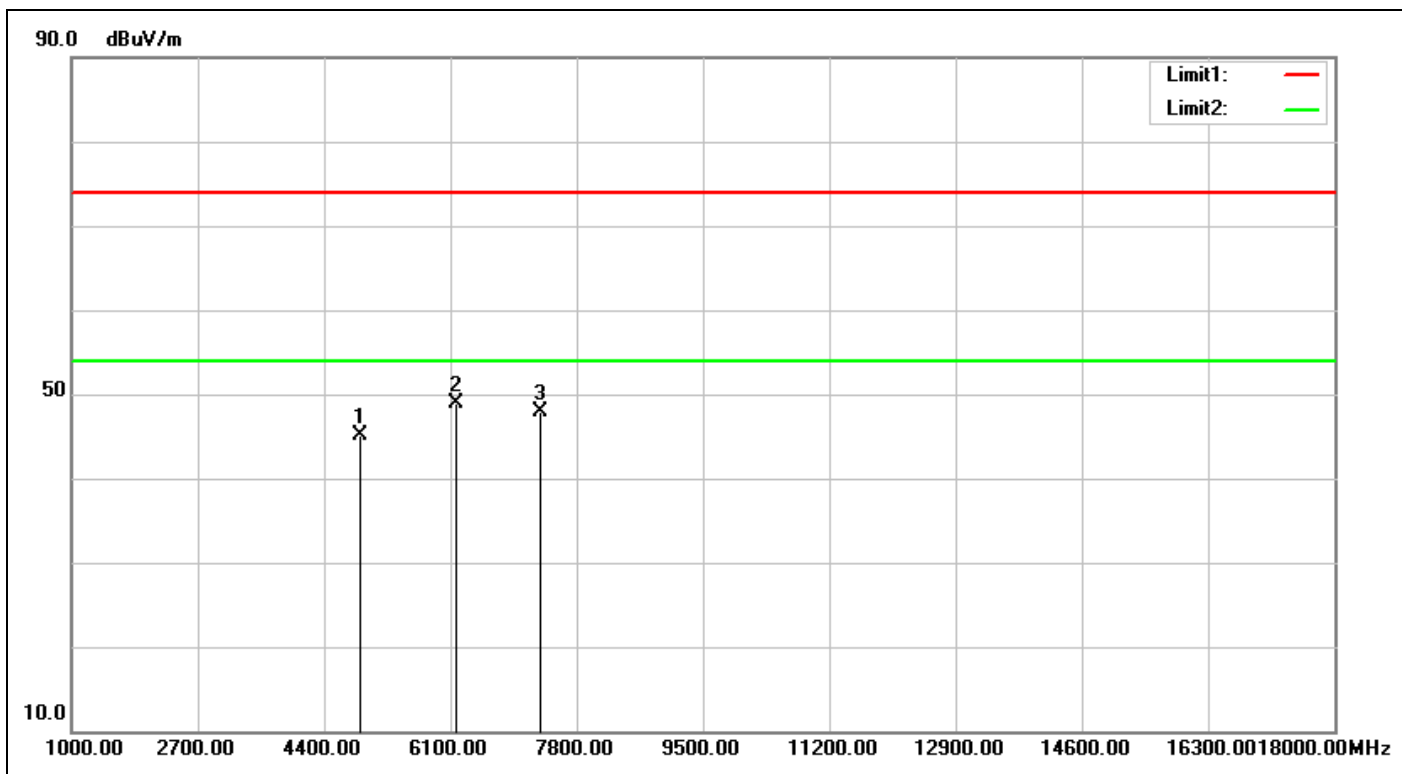
Service No.:	114031999-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/4/2 14:14:53
Applicant:	K-Jump	Test Rating:	DC 6V
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%)	22(°C)/58%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	-2.79	48.70	45.91	74.00	-28.09	peak			
2	6406.000	5.10	44.47	49.57	74.00	-24.43	peak	100	69	
3	7206.000	5.44	43.05	48.49	74.00	-25.51	peak			



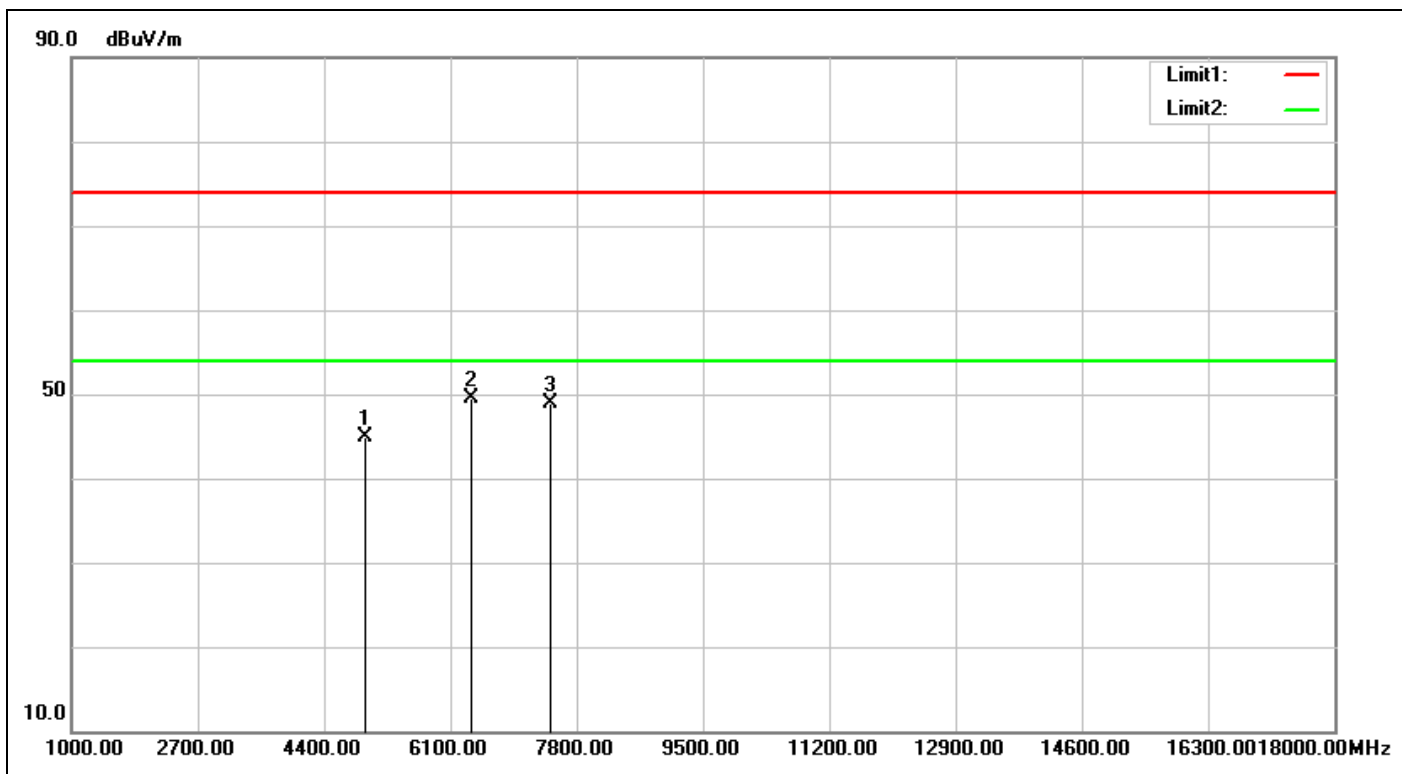
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/4/2 14:17:33
Applicant:	K-Jump	Test Rating:	DC 6V
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%):	22(°C)/58%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	-2.58	47.74	45.16	74.00	-28.84	peak			
2	5947.000	3.32	45.77	49.09	74.00	-24.91	peak	100	95	
3	7320.000	5.75	42.43	48.18	74.00	-25.82	peak			



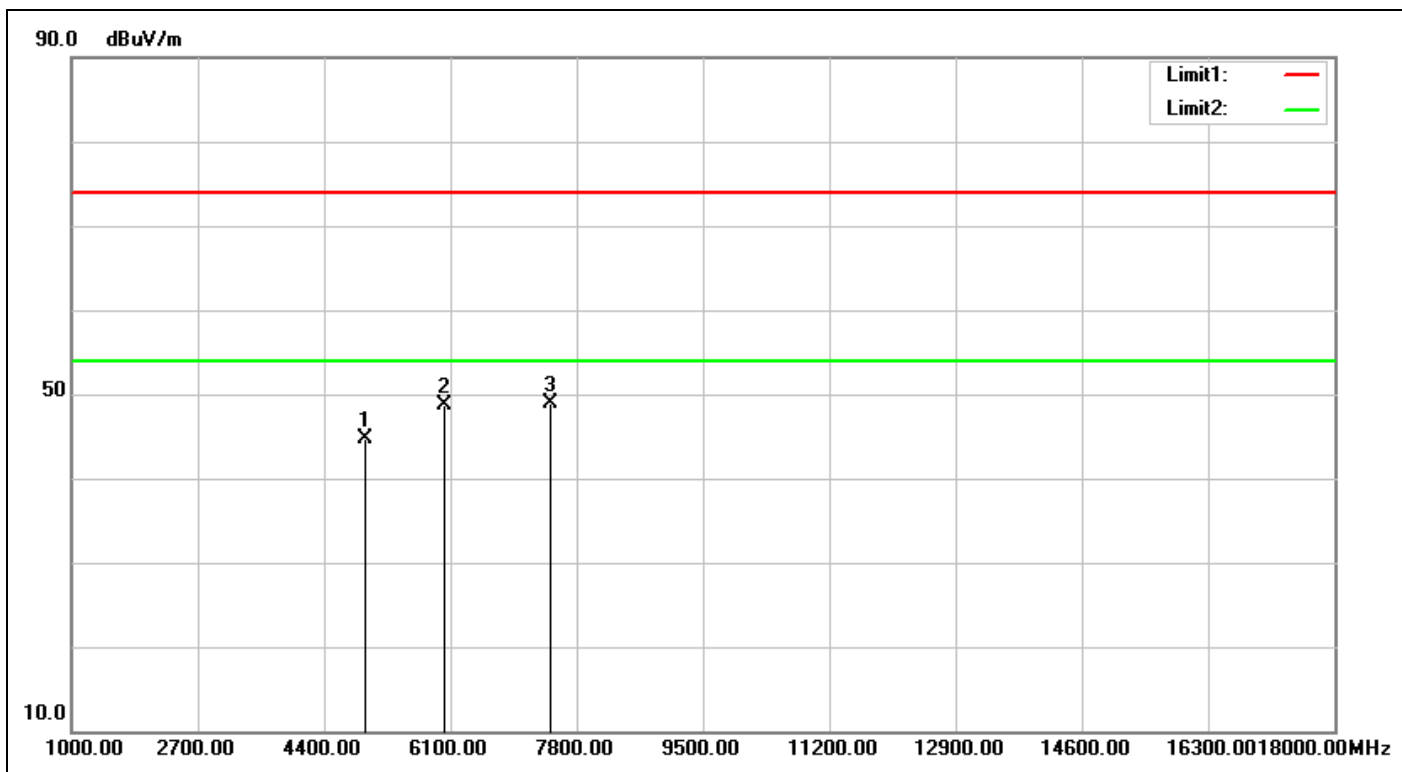
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/4/2 14:18:36
Applicant:	K-Jump	Test Rating:	DC 6V
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%)	22(°C)/58%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	-2.58	47.76	45.18	74.00	-28.82	peak			
2	6168.000	4.26	44.60	48.86	74.00	-25.14	peak	100	287	
3	7320.000	5.75	42.10	47.85	74.00	-26.15	peak			



Service No.:	114031999-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/4/2 14:20:36
Applicant:	K-Jump	Test Rating:	DC 6V
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%)	22(°C)/58%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	-2.37	47.34	44.97	74.00	-29.03	peak			
2	6389.000	5.05	44.38	49.43	74.00	-24.57	peak	100	145	
3	7440.000	6.08	42.82	48.90	74.00	-25.10	peak			



Service No.:	114031999-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/4/2 14:21:39
Applicant:	K-Jump	Test Rating:	DC 6V
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%):	22(°C)/58%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	-2.37	47.17	44.80	74.00	-29.20	peak			
2	6015.000	3.73	44.92	48.65	74.00	-25.35	peak	100	334	
3	7440.000	6.08	42.77	48.85	74.00	-25.15	peak			

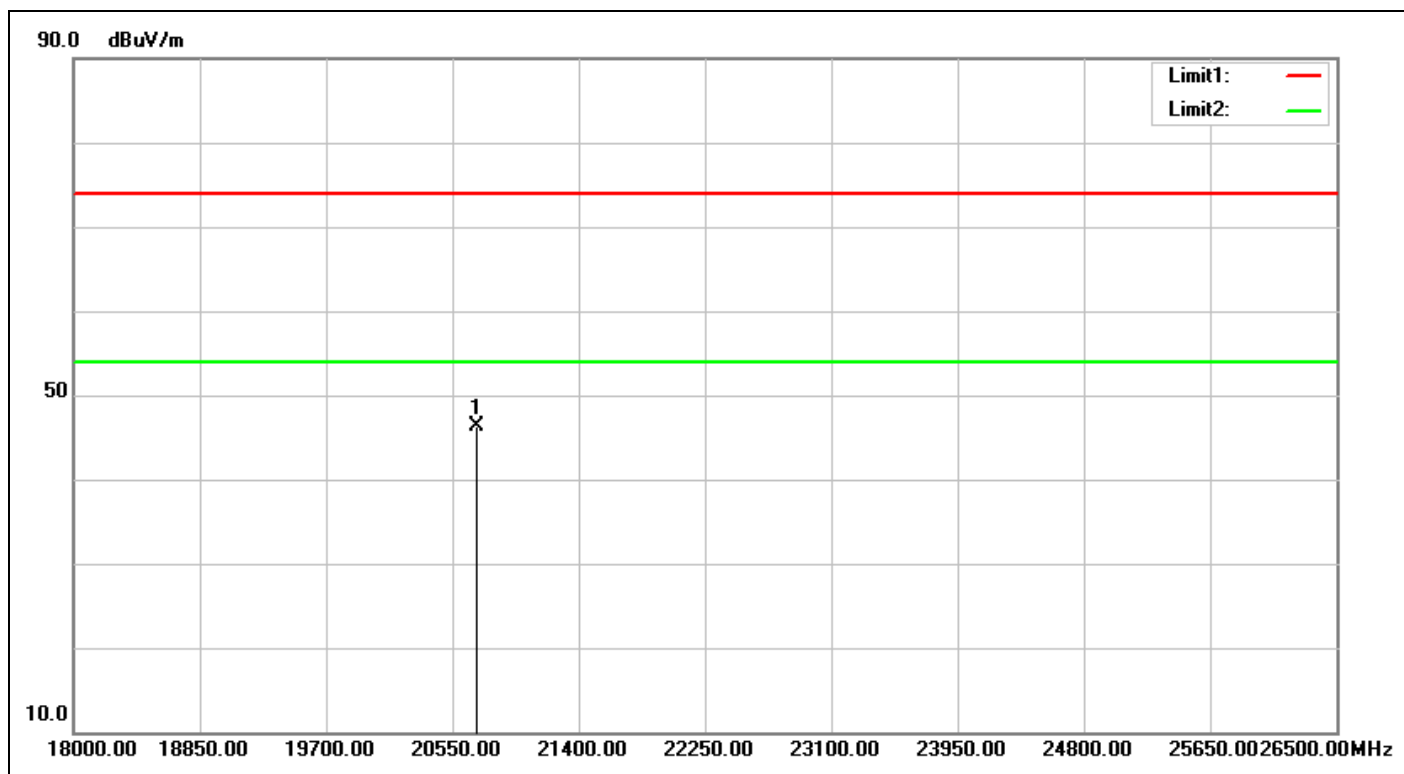
Spurious Emissions, TX Mode, 18-26G



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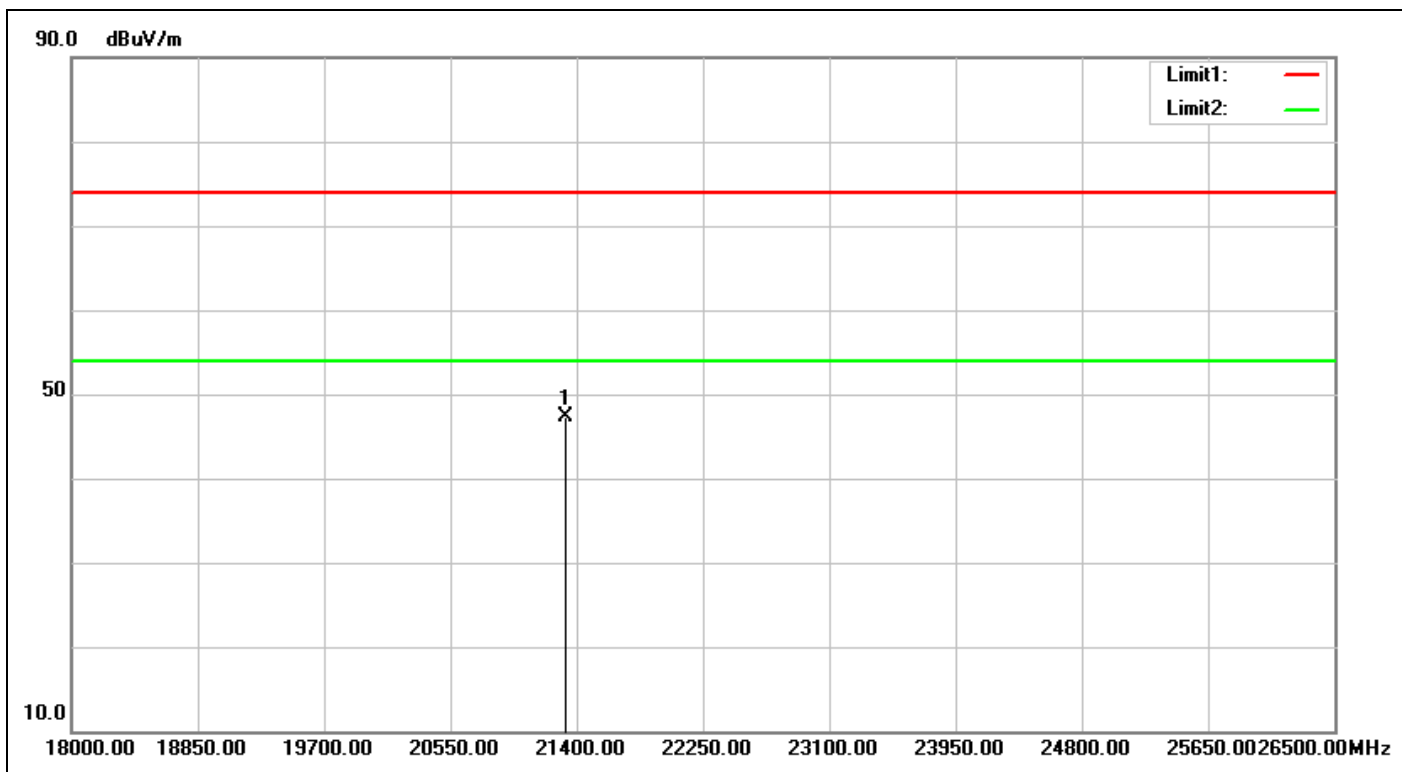
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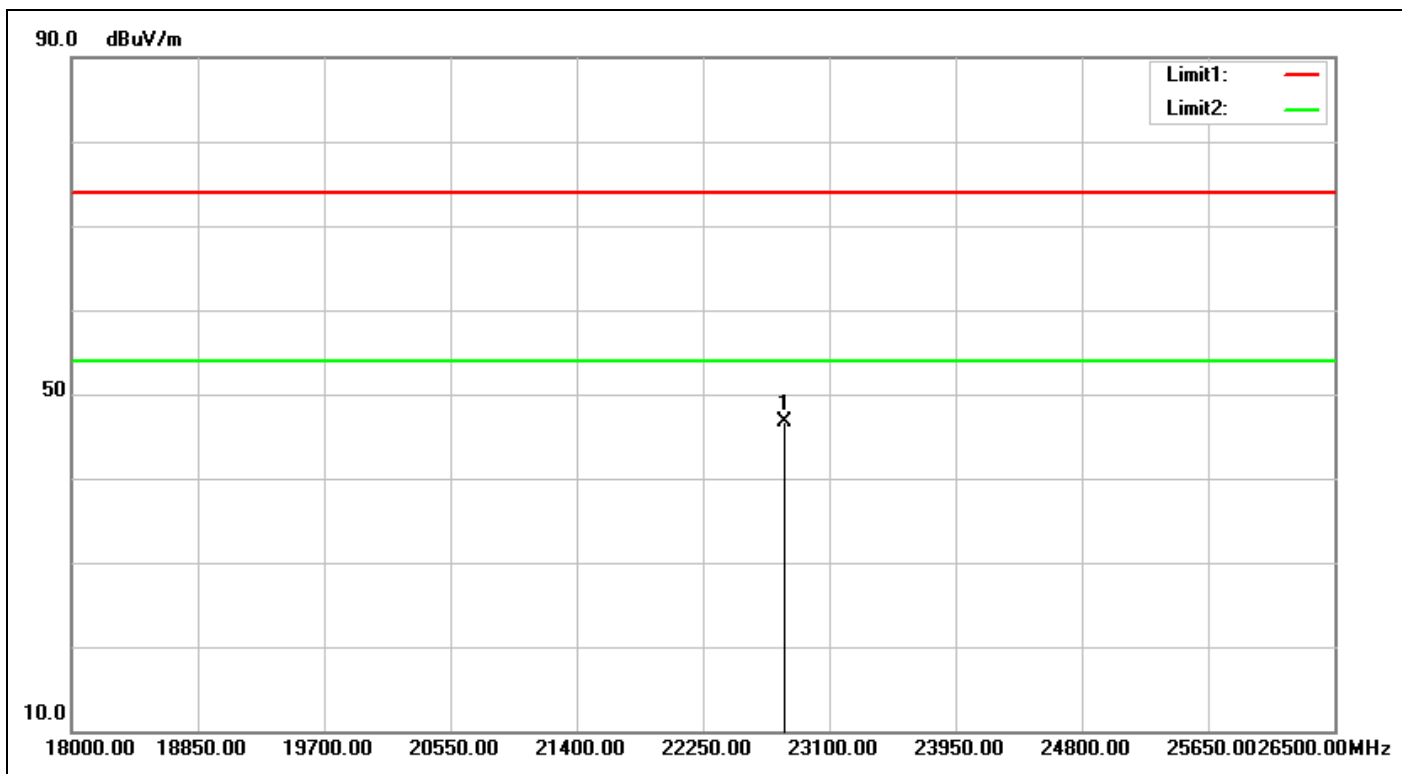
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/3/26 10:44:42
Applicant:	K-Jump	Test Rating:	AC 120V/60Hz
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%)	20.4(°C)/60%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	20711.500	29.28	17.03	46.31	74.00	-27.69	peak	100	66	



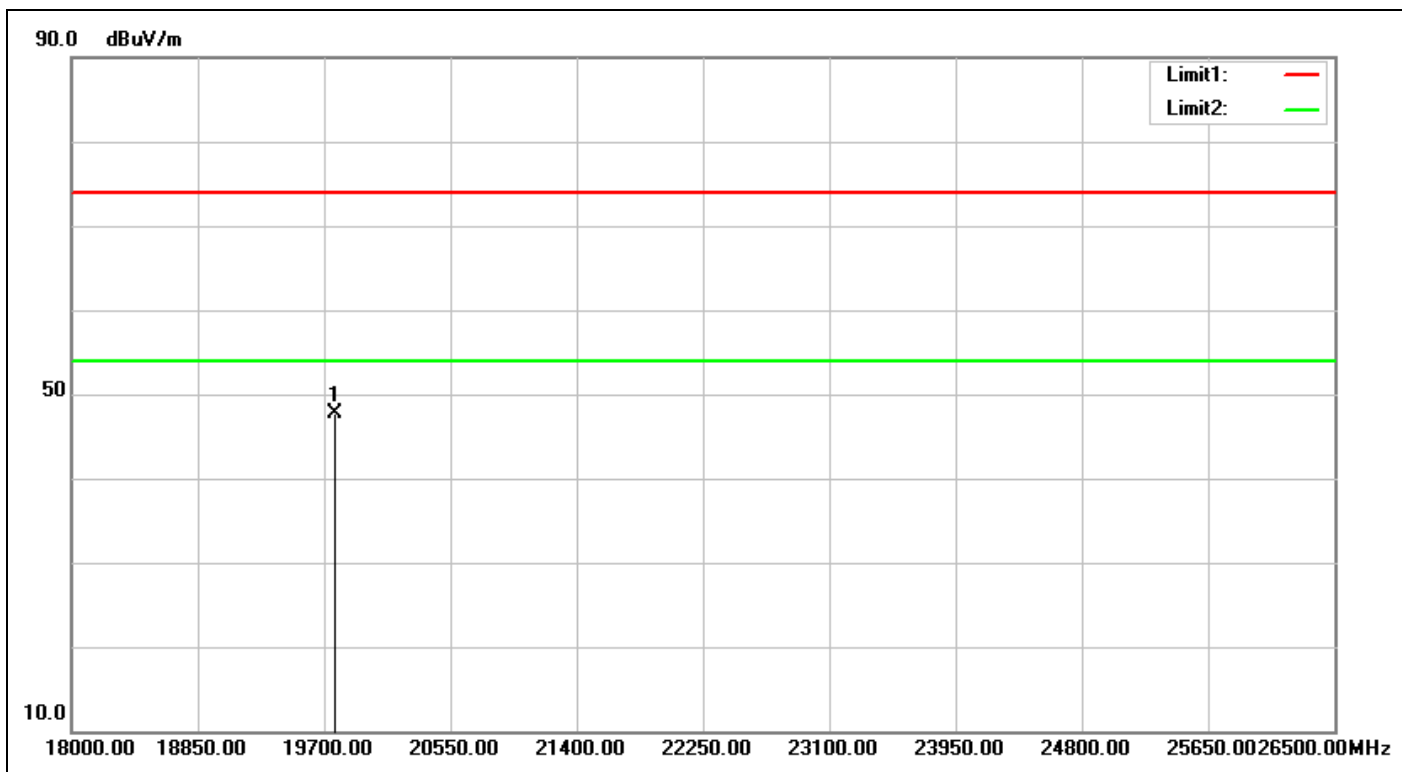
Service No.:	114031999-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/3/26 10:44:51
Applicant:	K-Jump	Test Rating:	AC 120V/60Hz
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%)	20.4(°C)/60%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	21323.500	29.08	18.25	47.33	74.00	-26.67	peak	100	329	



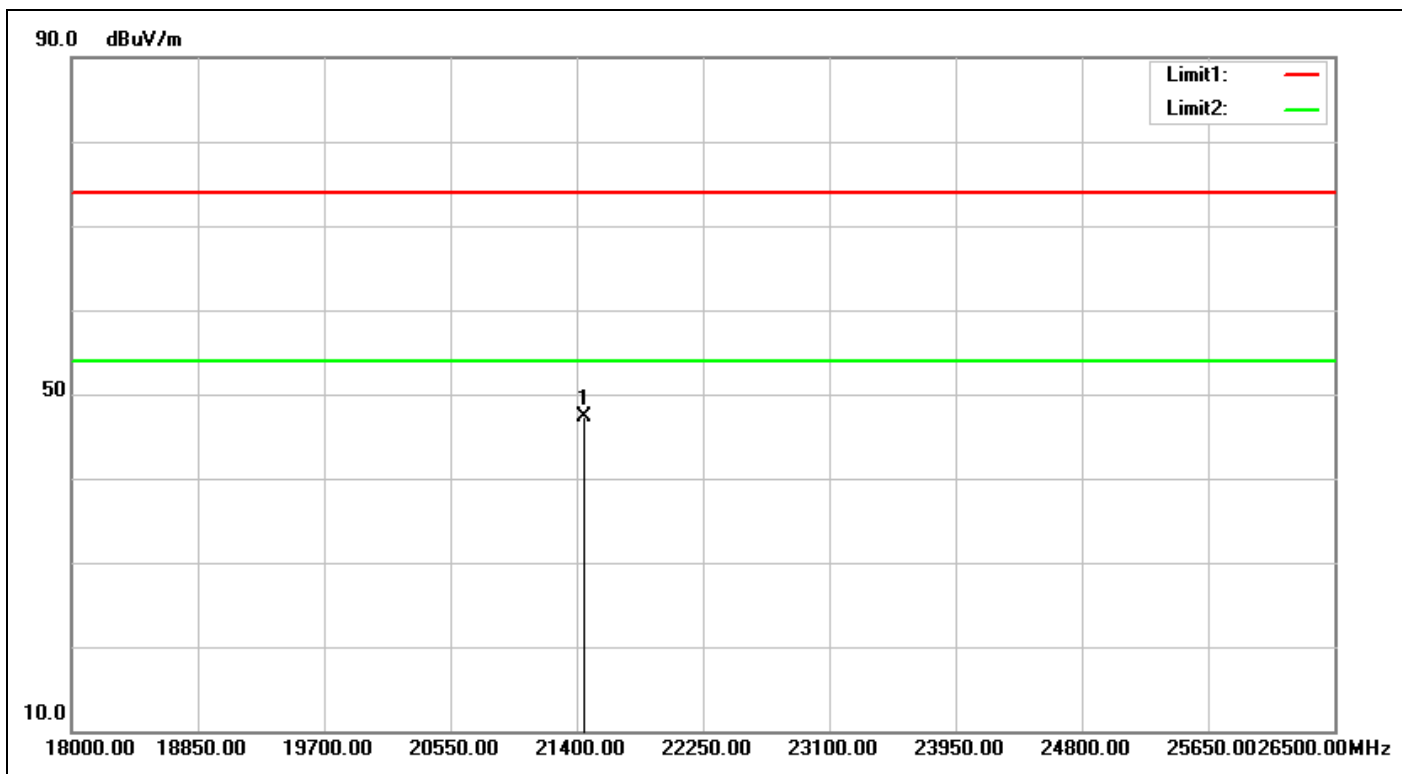
Service No.:	114031999-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/3/26 10:45:06
Applicant:	K-Jump	Test Rating:	AC 120V/60Hz
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%)	20.4(°C)/60%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	22802.500	29.65	17.06	46.71	74.00	-27.29	peak	100	13	



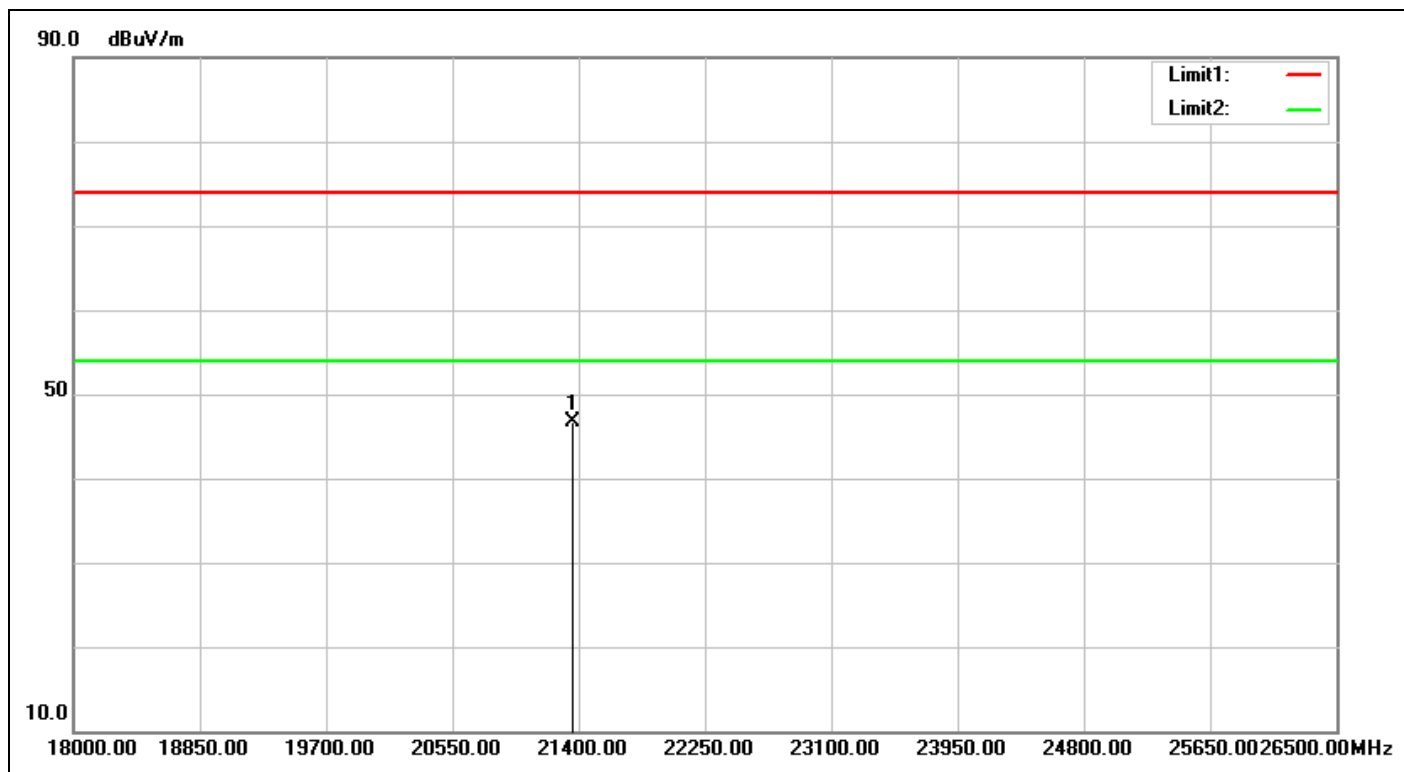
Service No.:	114031999-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/3/26 10:45:14
Applicant:	K-Jump	Test Rating:	AC 120V/60Hz
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%):	20.4(°C)/60%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	19776.500	28.94	18.73	47.67	74.00	-26.33	peak	100	276	



Service No.:	114031999-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/3/26 10:45:29
Applicant:	K-Jump	Test Rating:	AC 120V/60Hz
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%)	20.4(°C)/60%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	21451.000	28.96	18.34	47.30	74.00	-26.70	peak	100	215	



Service No.:	114031999-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/3/26 10:45:37
Applicant:	K-Jump	Test Rating:	AC 120V/60Hz
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%)	20.4(°C)/60%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	21357.500	29.04	17.70	46.74	74.00	-27.26	peak	100	85	

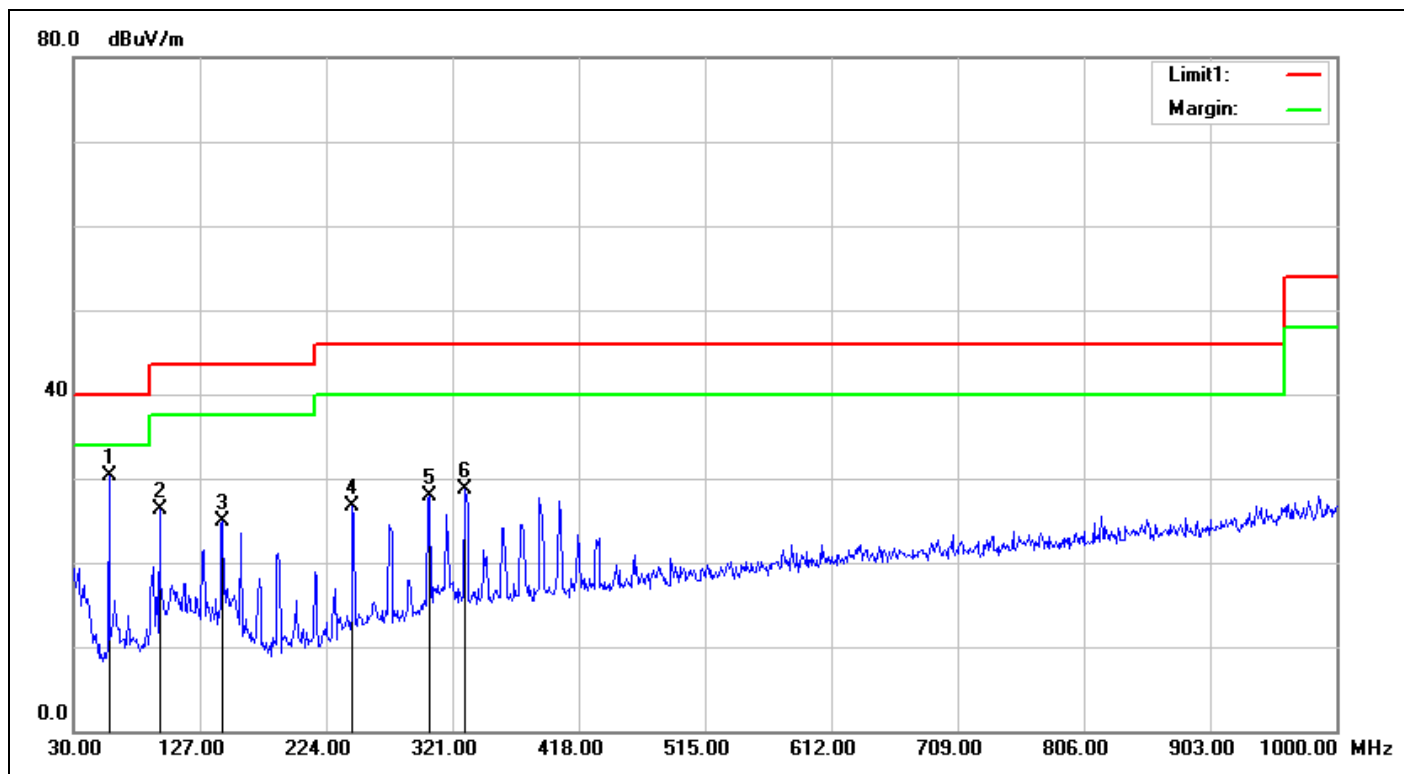
Spurious Emissions, TX Mode, 30M-1G



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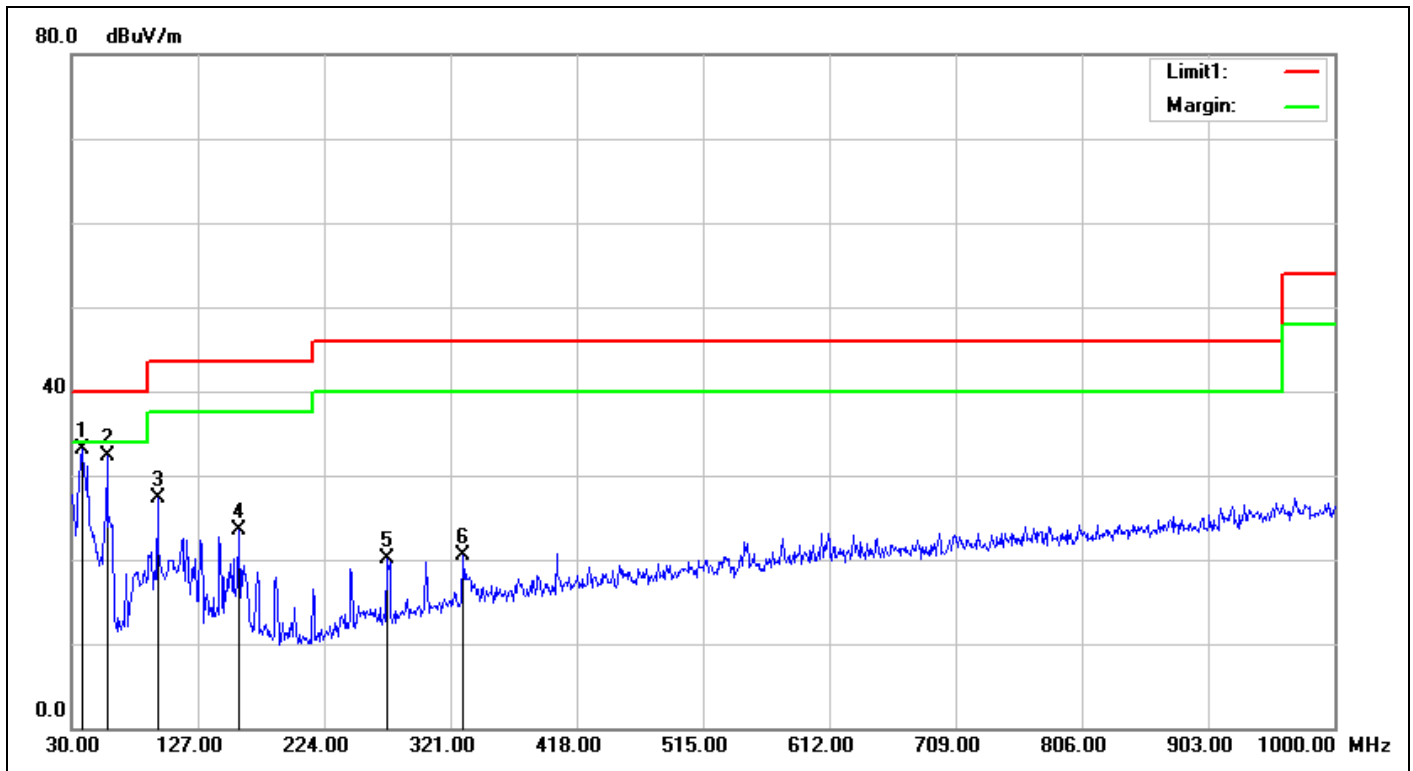
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Service No.:	114031999-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/3/26 10:57:50
Applicant:	K-Jump	Test Rating:	AC 120V/60Hz
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%)	20.4(°C)/60%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	57.1600	-18.96	49.34	30.38	40.00	-9.62	QP	100	254	
2	95.9599	-15.43	41.69	26.26	43.50	-17.24	QP	100	187	
3	144.4600	-12.90	37.81	24.91	43.50	-18.59	QP	100	80	
4	244.3700	-12.22	38.87	26.65	46.00	-19.35	QP	100	131	
5	303.5400	-10.41	38.24	27.83	46.00	-18.17	QP	100	91	
6	330.7000	-9.80	38.50	28.70	46.00	-17.30	QP	100	126	

Spurious Emissions, TX Mode, 30M-1G



Service No.:	114031999-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/3/26 10:58:54
Applicant:	K-Jump	Test Rating:	AC 120V/60Hz
Product:	Bluetooth module for medical device	Temp.(°C)/Hum.(%)	20.4(°C)/60%
Model No.:	KB-0310	Test Engineer:	Hugo Chang
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	37.7600	-10.18	43.23	33.05	40.00	-6.95	QP	100	250	
2	57.1600	-18.96	51.18	32.22	40.00	-7.78	QP	100	175	
3	95.9600	-15.43	42.72	27.29	43.50	-16.21	QP	100	85	
4	158.0400	-13.70	37.17	23.47	43.50	-20.03	QP	100	16	
5	272.5000	-11.27	31.45	20.18	46.00	-25.82	QP	100	197	
6	330.7000	-9.80	30.28	20.48	46.00	-25.52	QP	100	77	