

Test Report No.10048331 001

Appendix D: Radiated Spurious Emission Data

(File: 10048331AppendixD)

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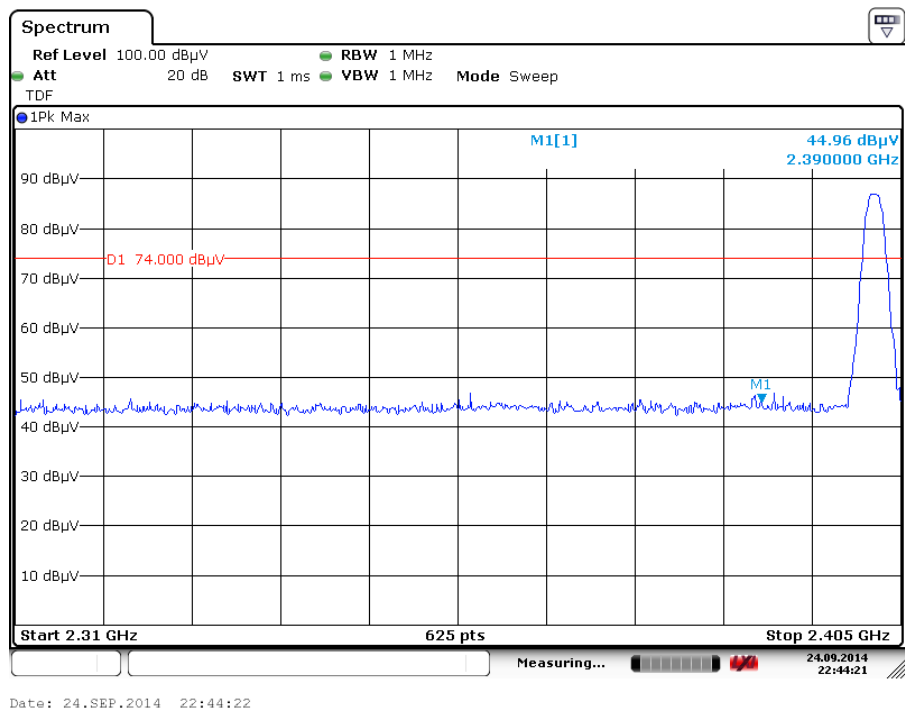
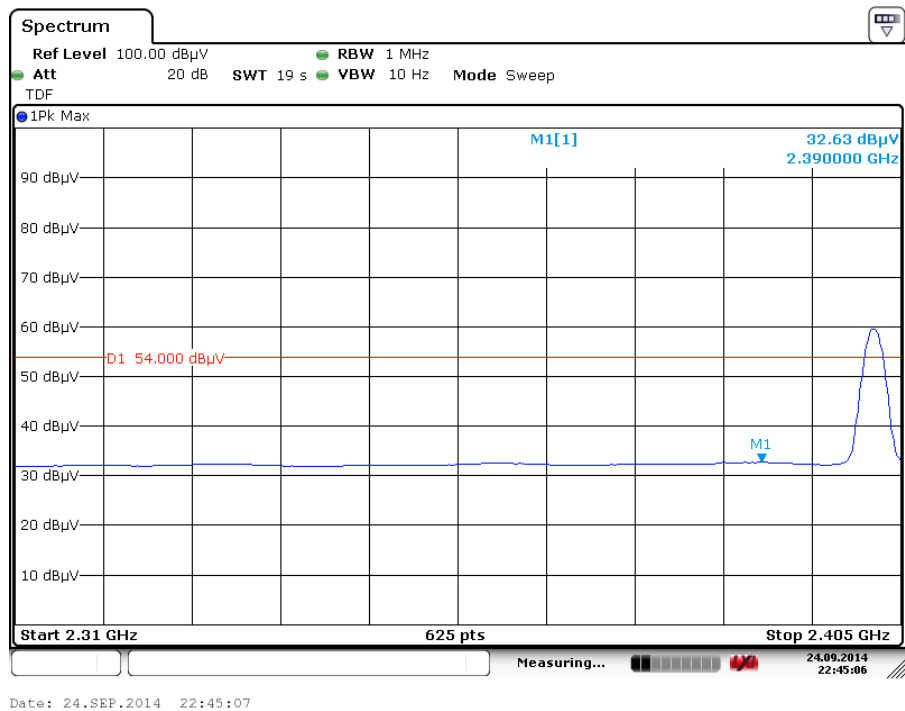
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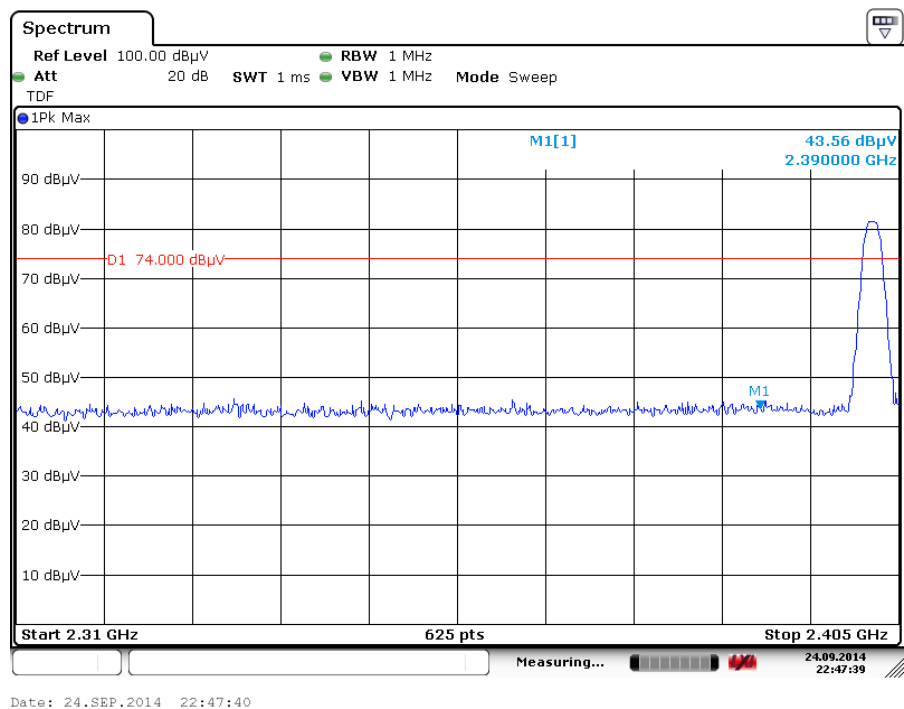
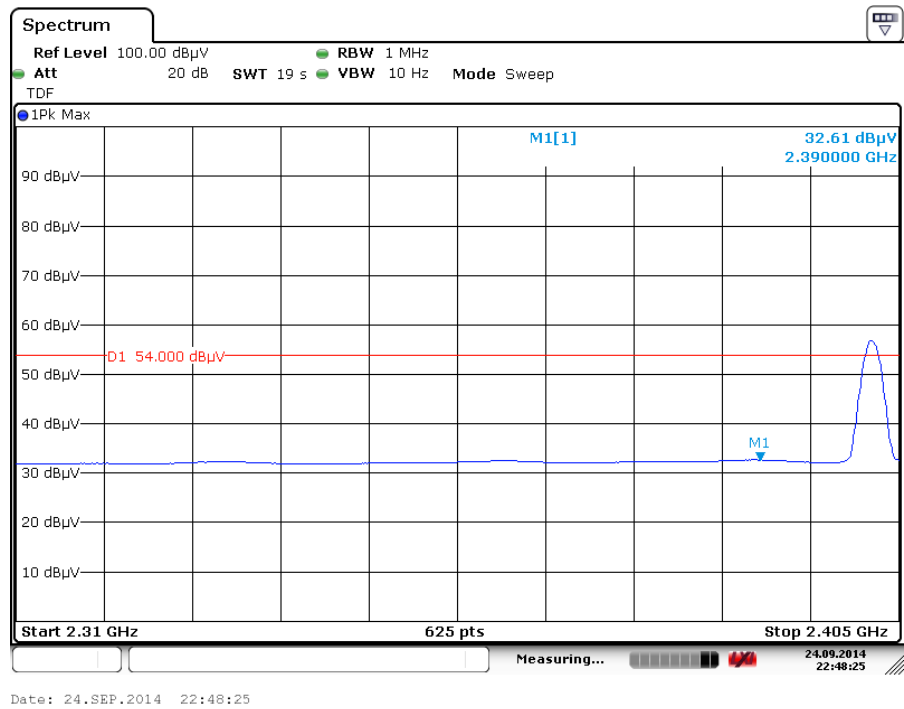
Spurious Emissions, Band Edges, 2.35-2.5G

adiated Bandedge (GFSK)

Low Channel (Hor)



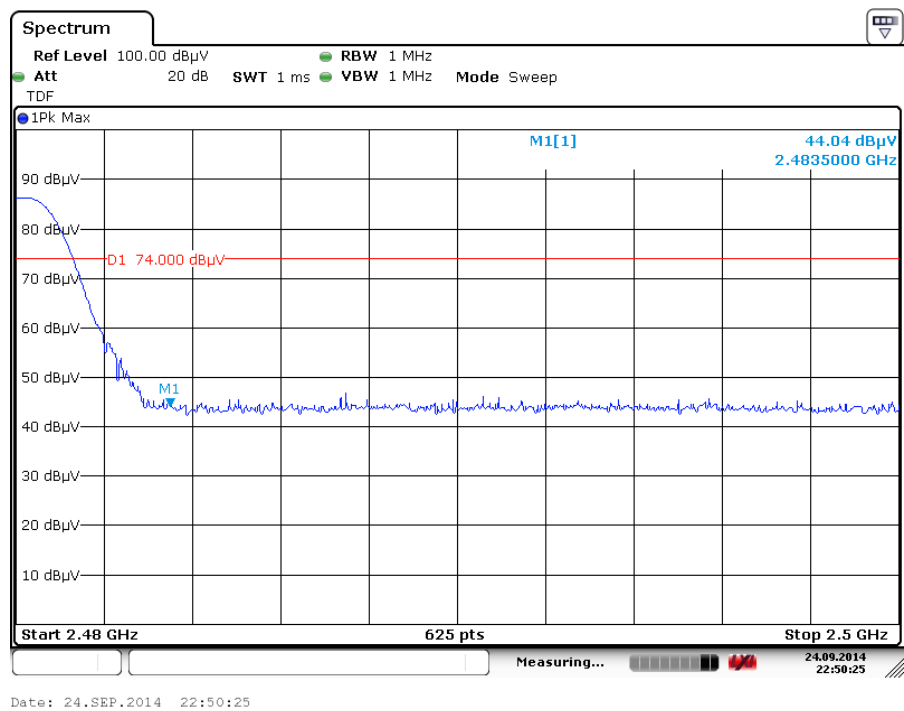
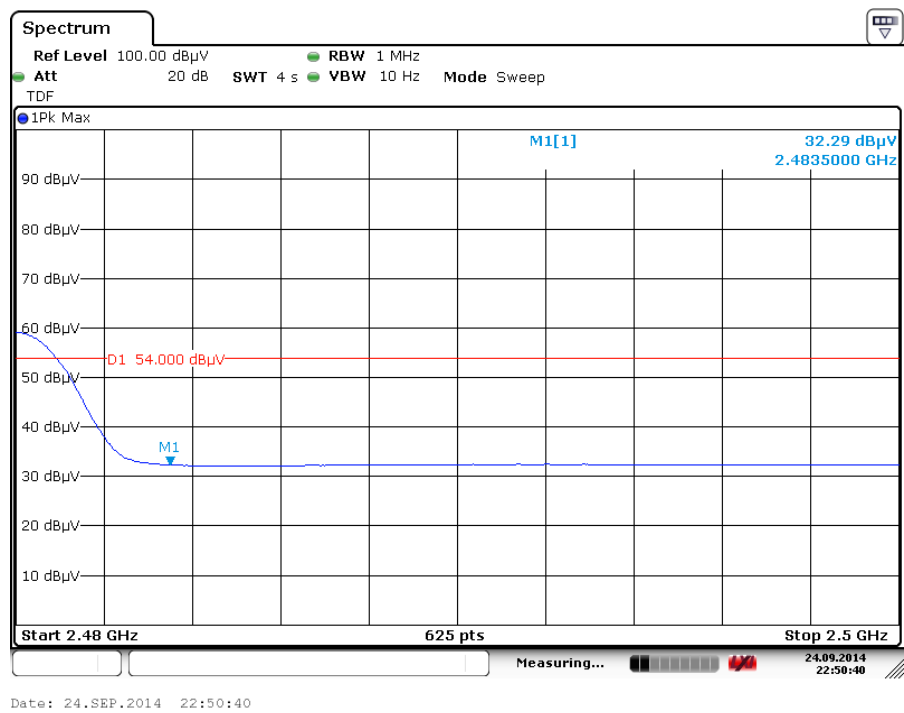
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Spurious Emissions, Band Edge, 2.35-2.5G

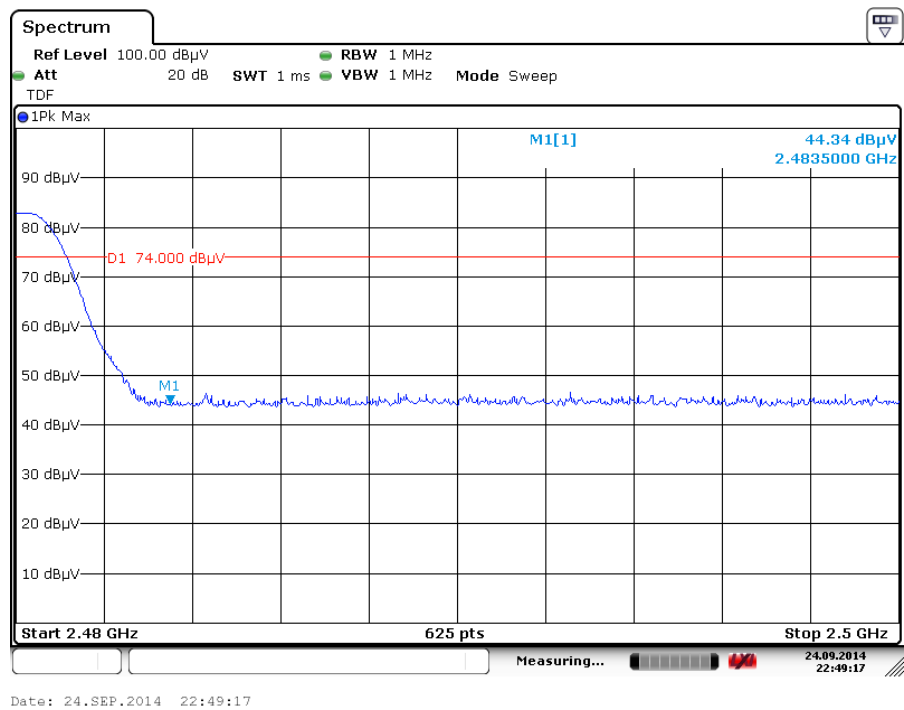
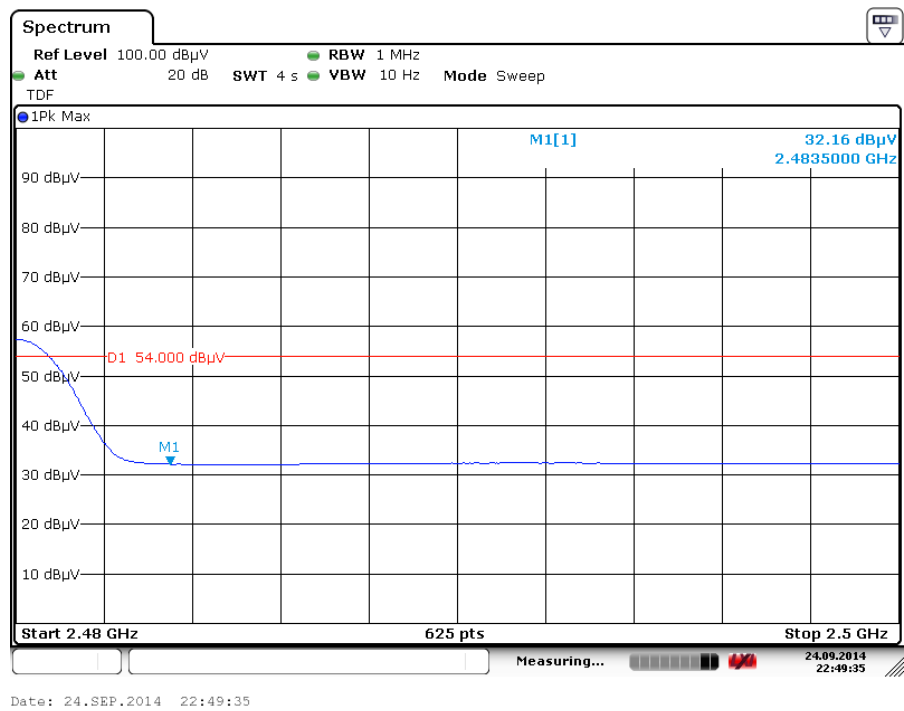
Radiated Bandedge (GFSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

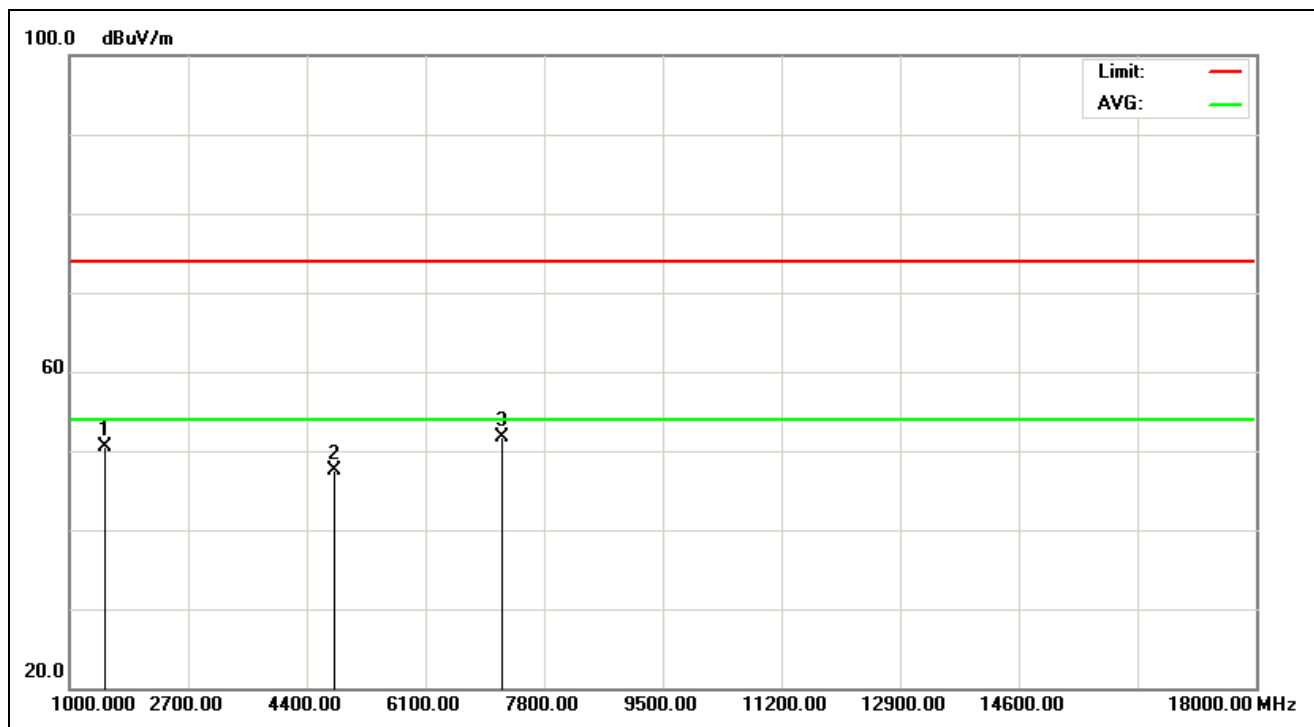
Spurious Emissions, TX Mode, 1-18G



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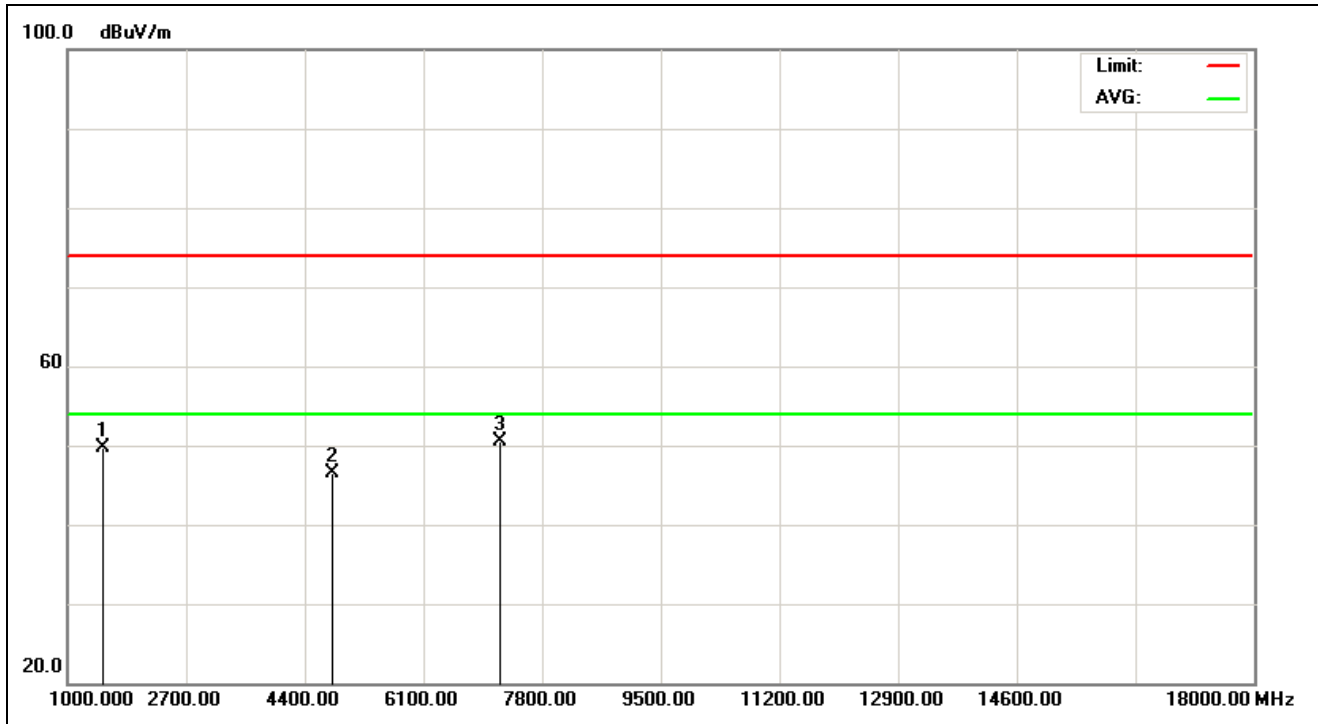
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Tel:+886-2-2172-7000 Fax:+886-2-2528-0018



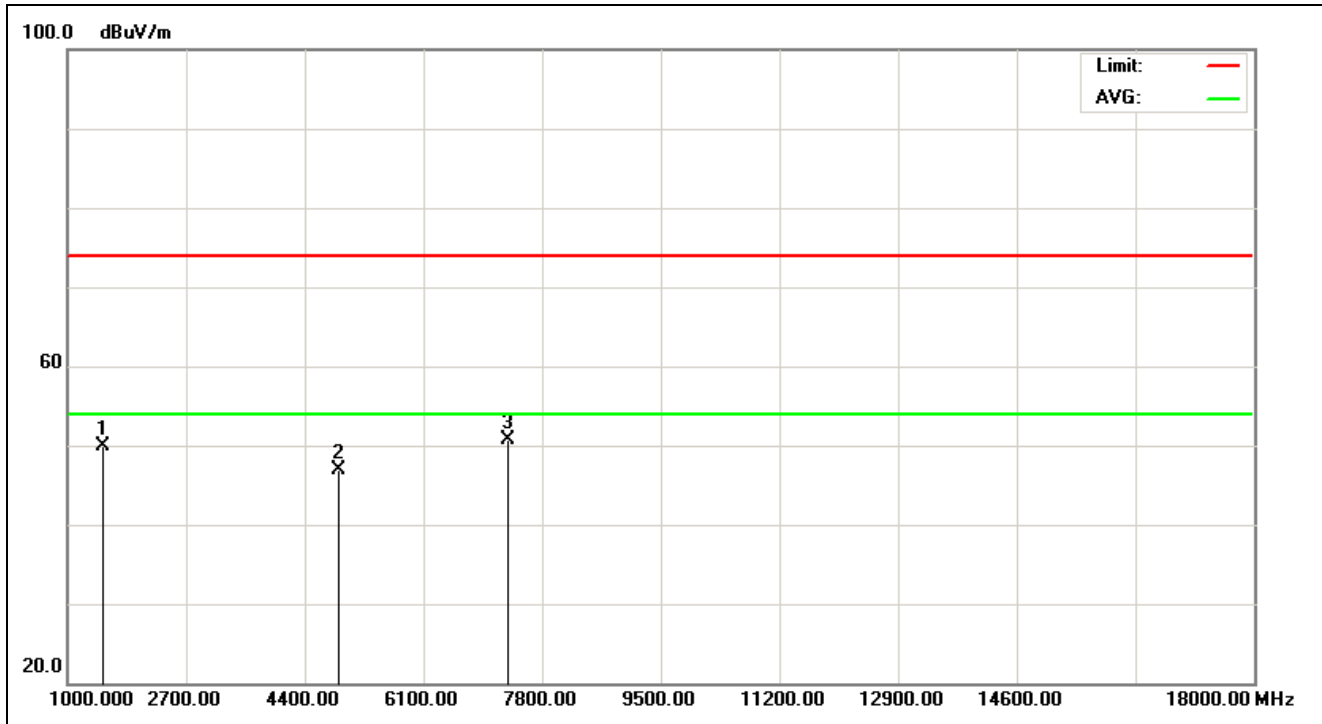
Service No.:	114026367-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/24 22:51:14
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%) :	22(°C)/57%
Model No.:	7xx	Test Engineer:	Hugo Chang
Test 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	1517.628	-10.56	61.02	50.46	74.00	-23.54	peak	100	143	
2	4804.000	-2.59	50.15	47.56	74.00	-26.44	peak			
3	7206.000	5.44	46.27	51.71	74.00	-22.29	peak			



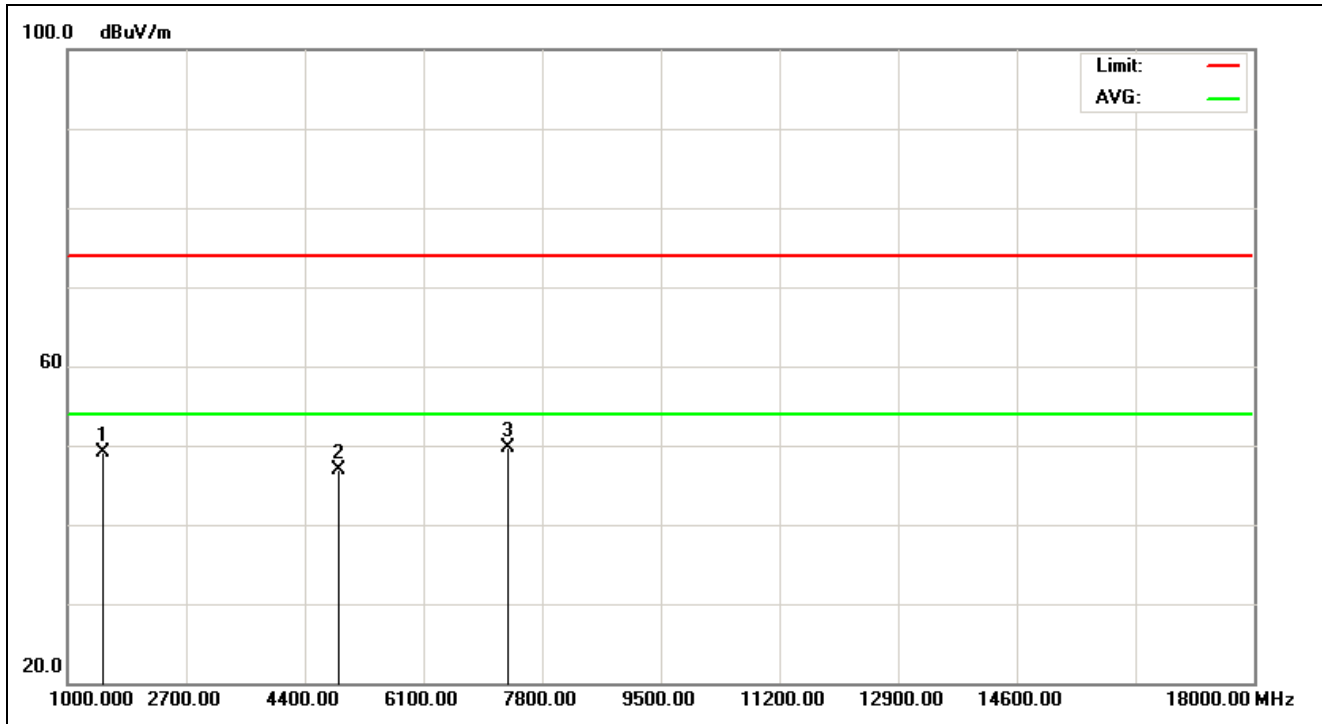
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/24 22:52:16
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%):	22(°C)/57%
Model No.:	7xx	Test Engineer:	Hugo Chang
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	1517.628	-10.56	60.18	49.62	74.00	-24.38	peak	100	176	
2	4804.000	-2.59	49.02	46.43	74.00	-27.57	peak			
3	7206.000	5.44	44.99	50.43	74.00	-23.57	peak			



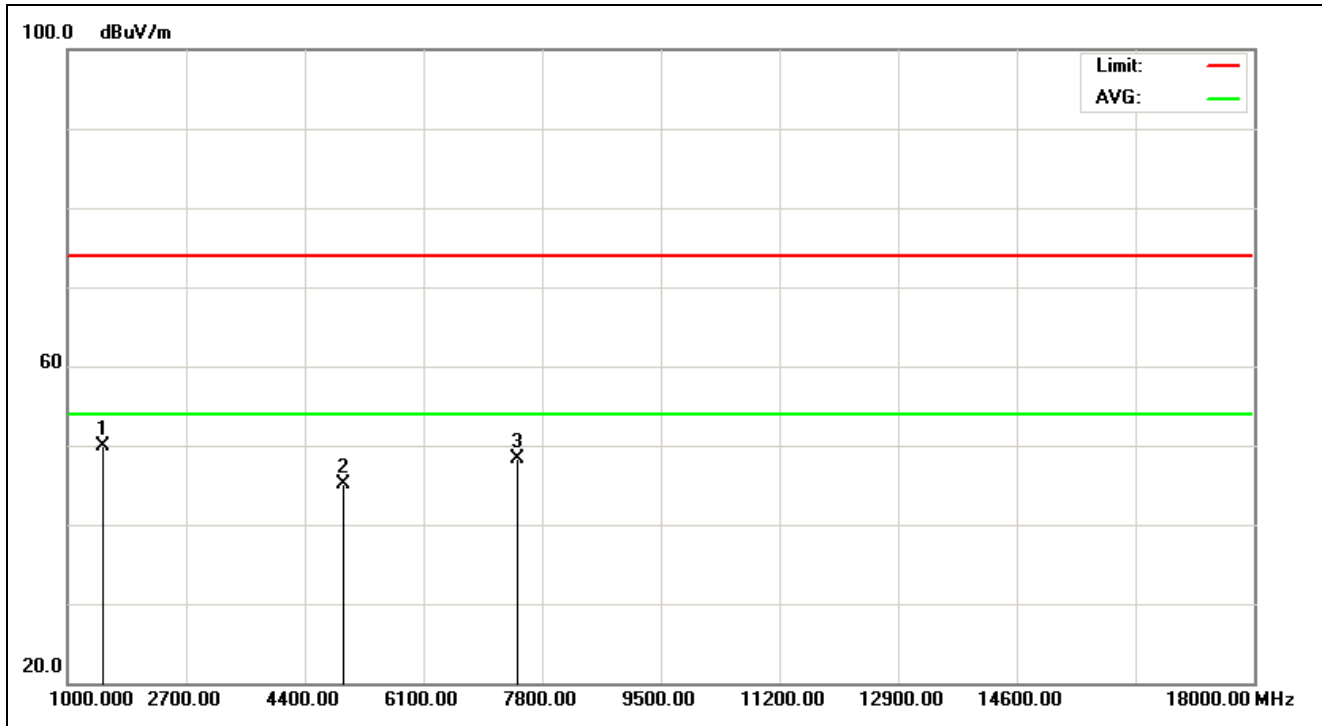
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/24 22:53:54
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%):	22(°C)/57%
Model No.:	7xx	Test Engineer:	Hugo Chang
Test Mode:	2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1517.628	-10.56	60.54	49.98	74.00	-24.02	peak	100	147	
2	4882.000	-2.39	49.26	46.87	74.00	-27.13	peak			
3	7323.000	5.76	44.96	50.72	74.00	-23.28	peak			



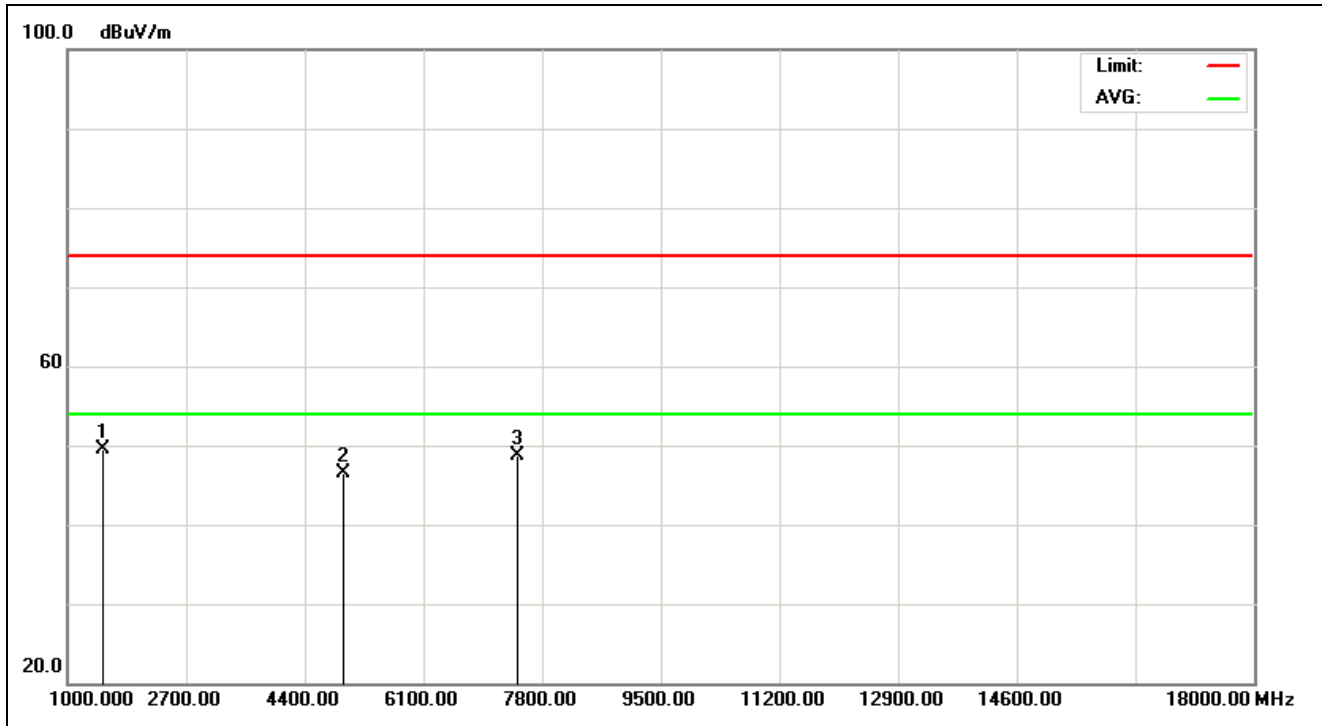
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/24 22:54:57
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%):	22(°C)/57%
Model No.:	7xx	Test Engineer:	Hugo Chang
Test Mode:	2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1517.628	-10.56	59.64	49.08	74.00	-24.92	peak	100	176	
2	4882.000	-2.39	49.32	46.93	74.00	-27.07	peak			
3	7323.000	5.76	44.01	49.77	74.00	-24.23	peak			



Service No.:	114026367-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/24 22:47:41
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%):	22(°C)/57%
Model No.:	7xx	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	1517.628	-10.56	60.40	49.84	74.00	-24.16	peak	100	146	
2	4960.000	-2.19	47.29	45.10	74.00	-28.90	peak			
3	7440.000	6.09	42.26	48.35	74.00	-25.65	peak			



Service No.:	114026367-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/24 22:48:43
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%):	22(°C)/57%
Model No.:	7xx	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	1517.628	-10.56	60.15	49.59	74.00	-24.41	peak	100	176	
2	4960.000	-2.19	48.77	46.58	74.00	-27.42	peak			
3	7440.000	6.09	42.71	48.80	74.00	-25.20	peak			

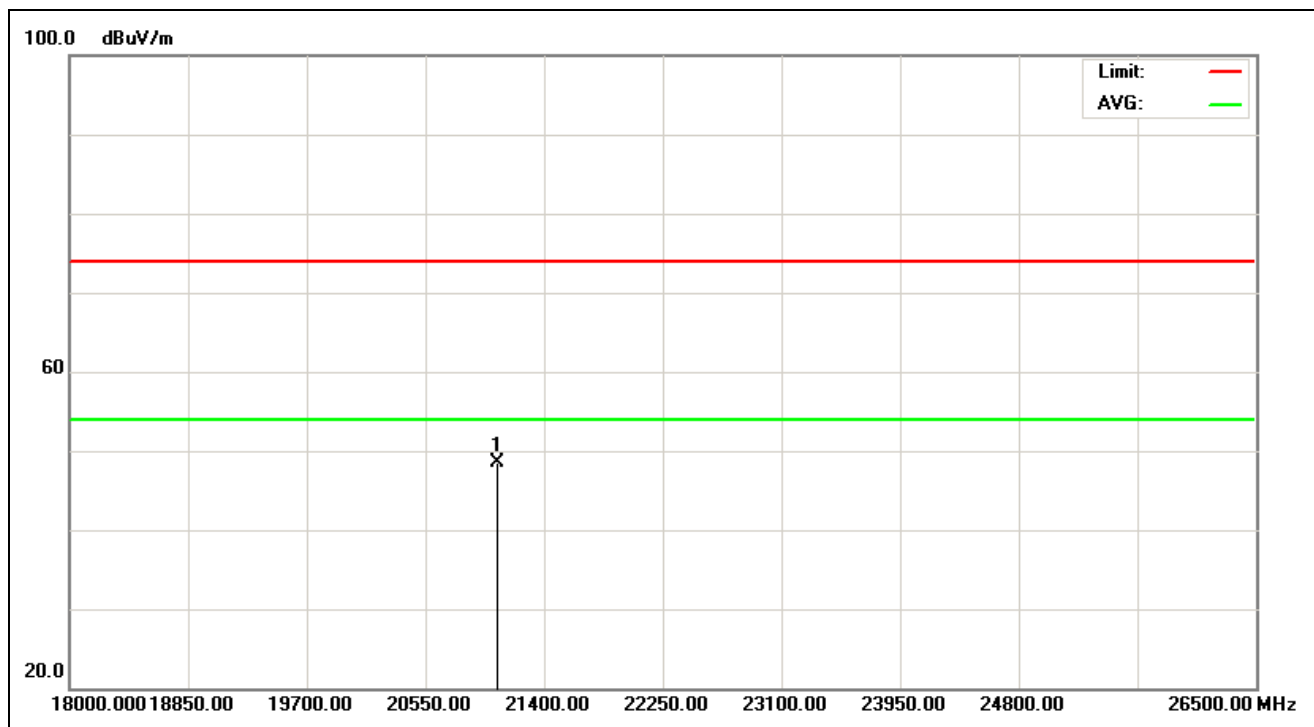
Spurious Emissions, TX Mode, 18-26G



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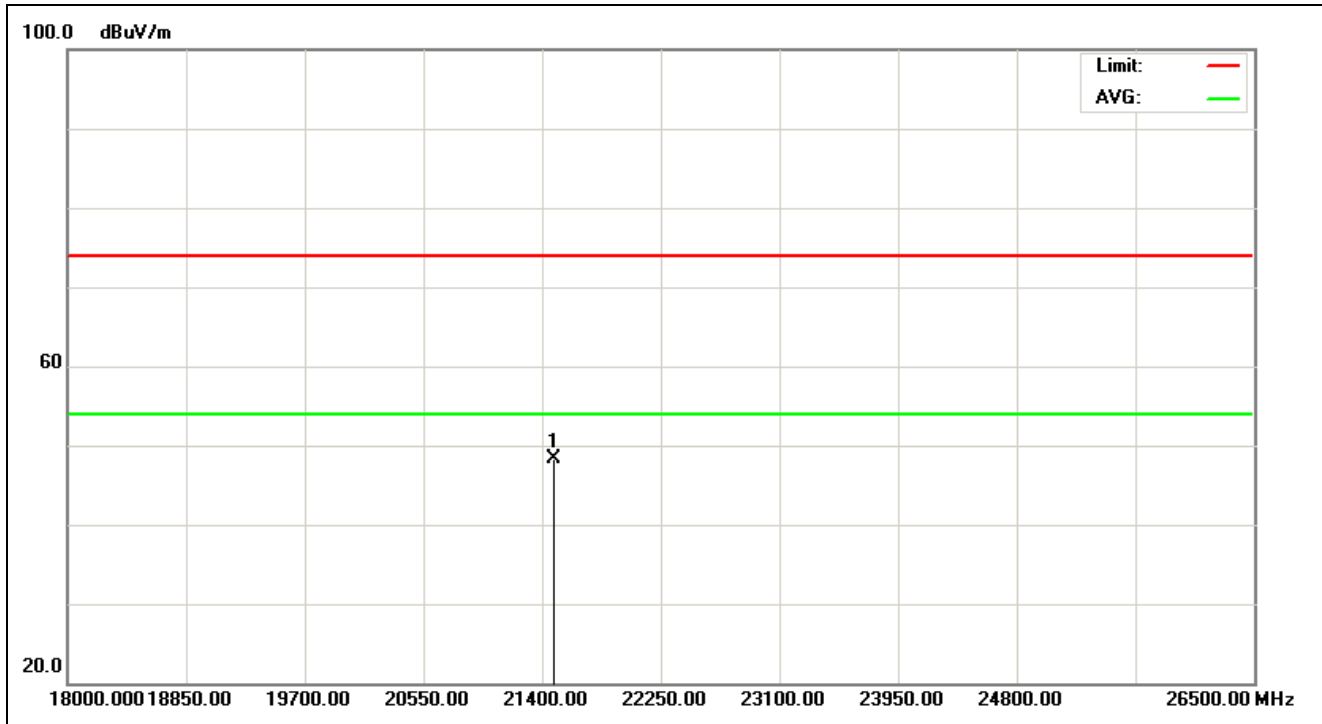
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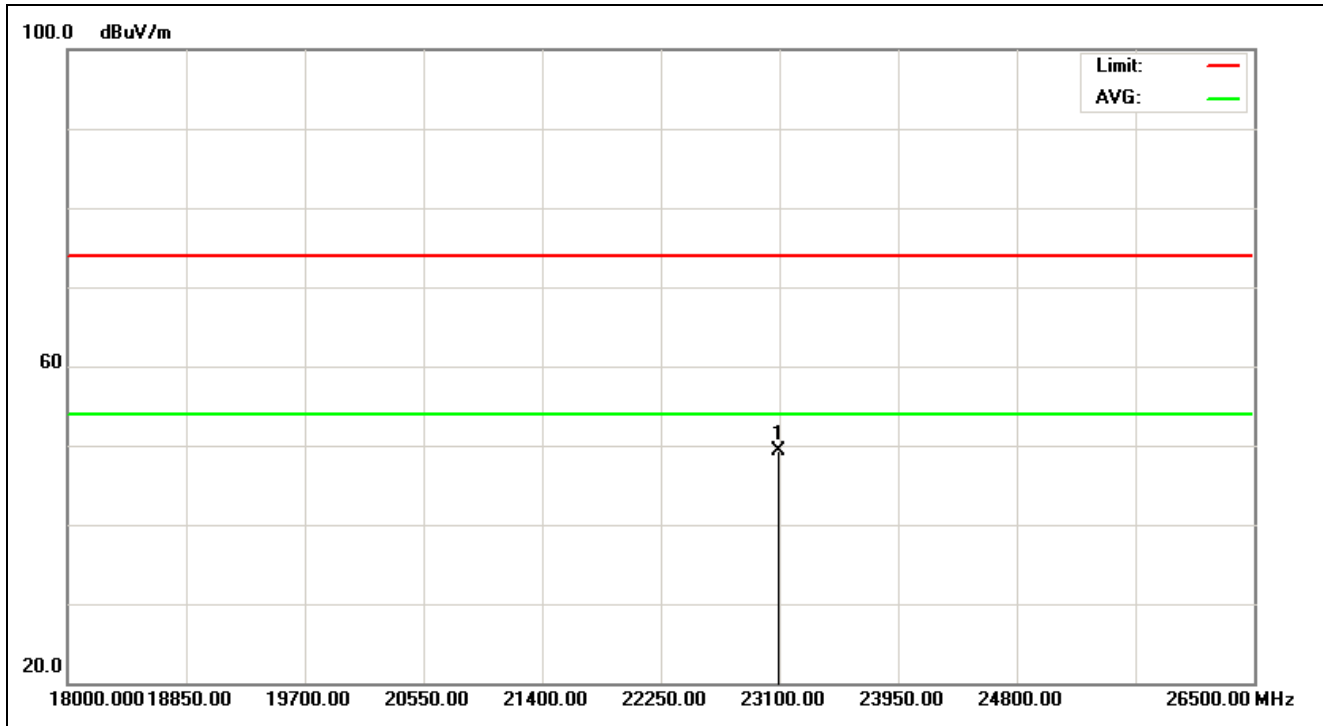
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/24 23:13:09
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%):	22(°C)/57%
Model No.:	7xx	Test Engineer:	Hugo Chang
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	21064.904	29.56	18.91	48.47	74.00	-25.53	peak			



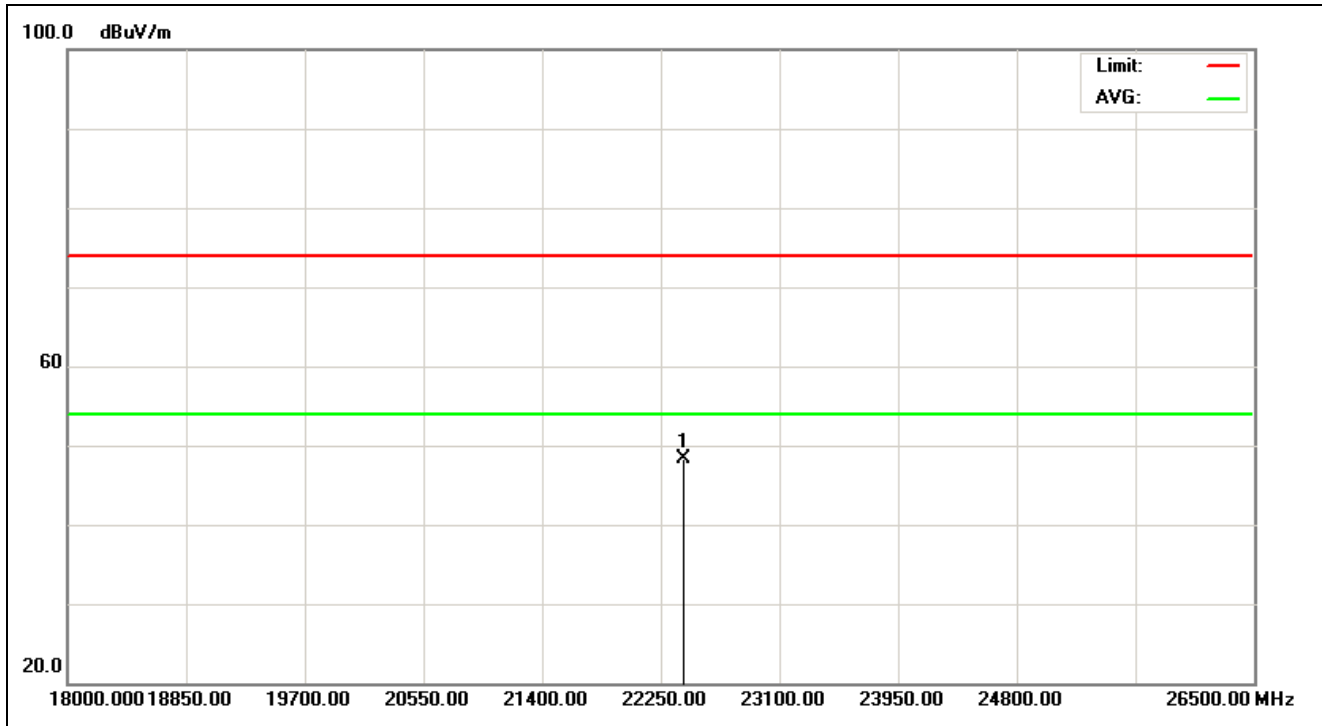
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/24 23:13:40
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%):	22(°C)/57%
Model No.:	7xx	Test Engineer:	Hugo Chang
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	21487.179	29.44	18.95	48.39	74.00	-25.61	peak			



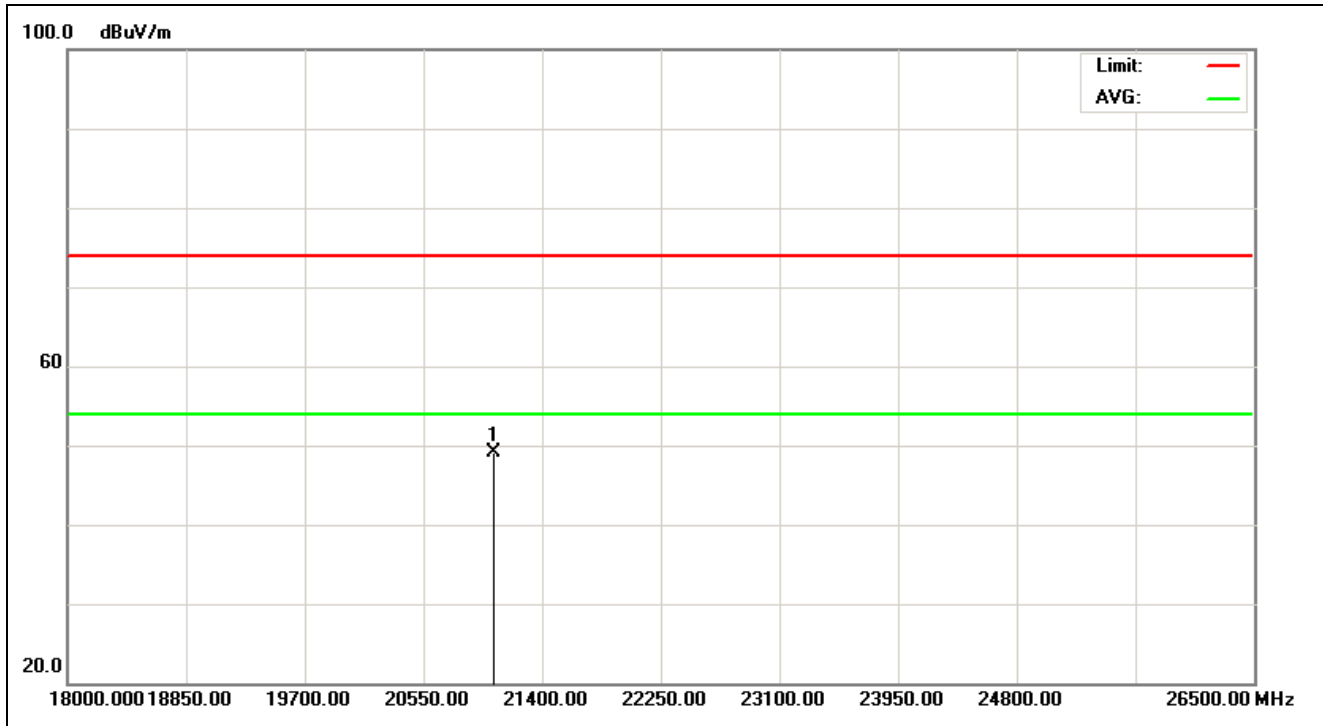
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/24 23:14:05
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%)	22(°C)/57%
Model No.:	7xx	Test Engineer:	Hugo Chang
Test Mode:	2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23094.551	30.24	18.99	49.23	74.00	-24.77	peak			



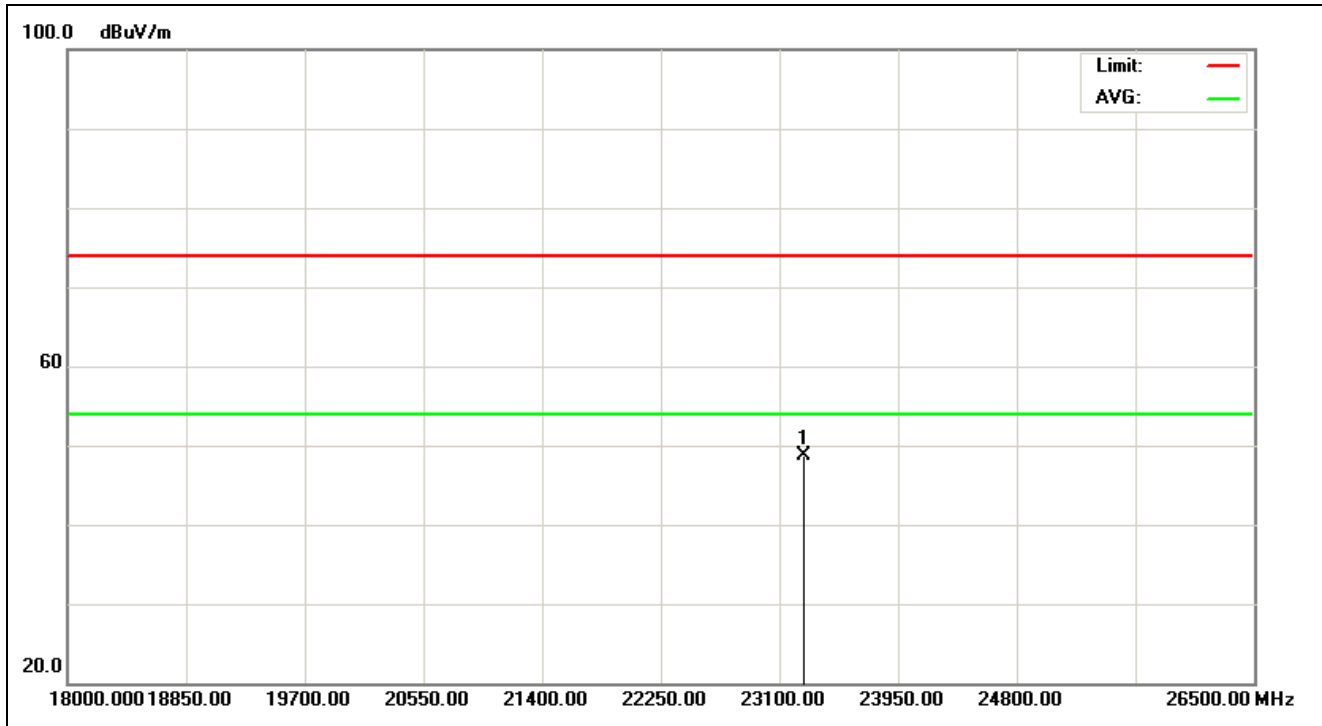
Service No.:	114026367-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/24 23:14:29
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%)	22(°C)/57%
Model No.:	7xx	Test Engineer:	Hugo Chang
Test Mode:	2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22413.462	29.06	19.29	48.35	74.00	-25.65	peak			



Service No.:	114026367-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/24 23:14:54
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%)	22(°C)/57%
Model No.:	7xx	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	21051.282	29.56	19.46	49.02	74.00	-24.98	peak			



Service No.:	114026367-NCC	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/24 23:15:18
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%):	22(°C)/57%
Model No.:	7xx	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	23271.635	30.19	18.43	48.62	74.00	-25.38	peak			

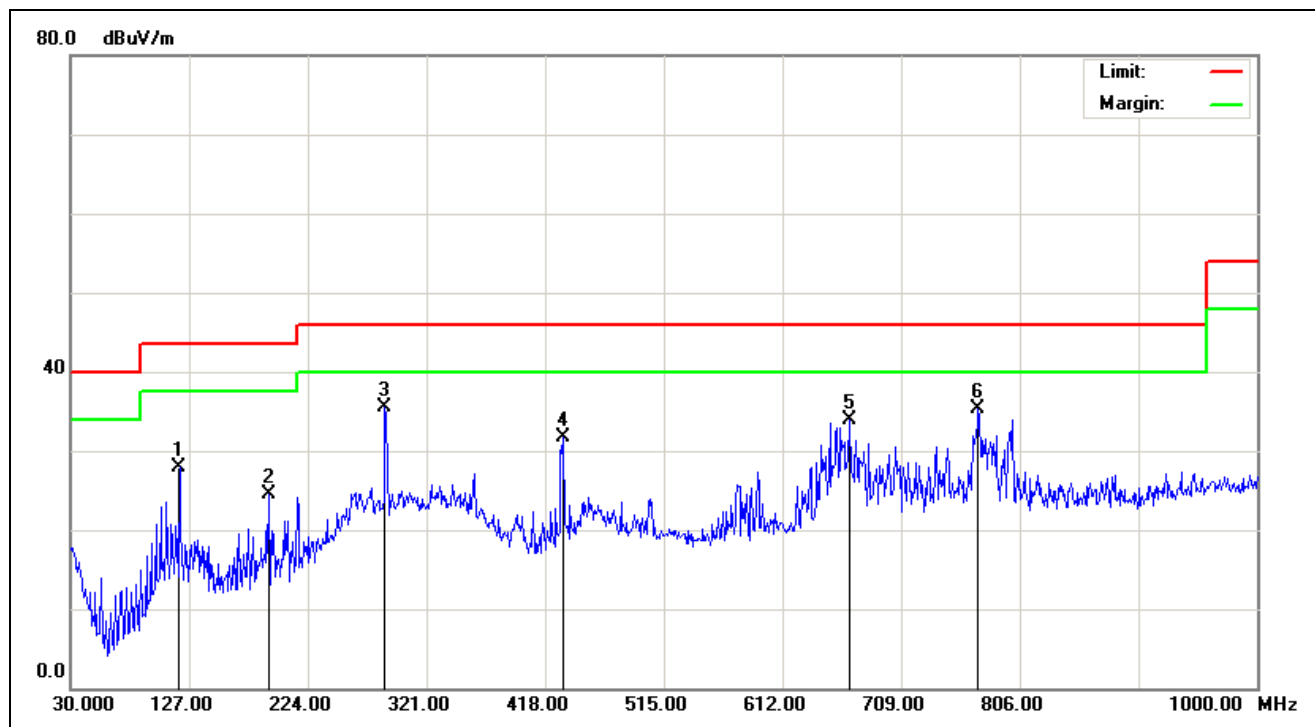
Spurious Emissions, TX Mode, 30M-1G



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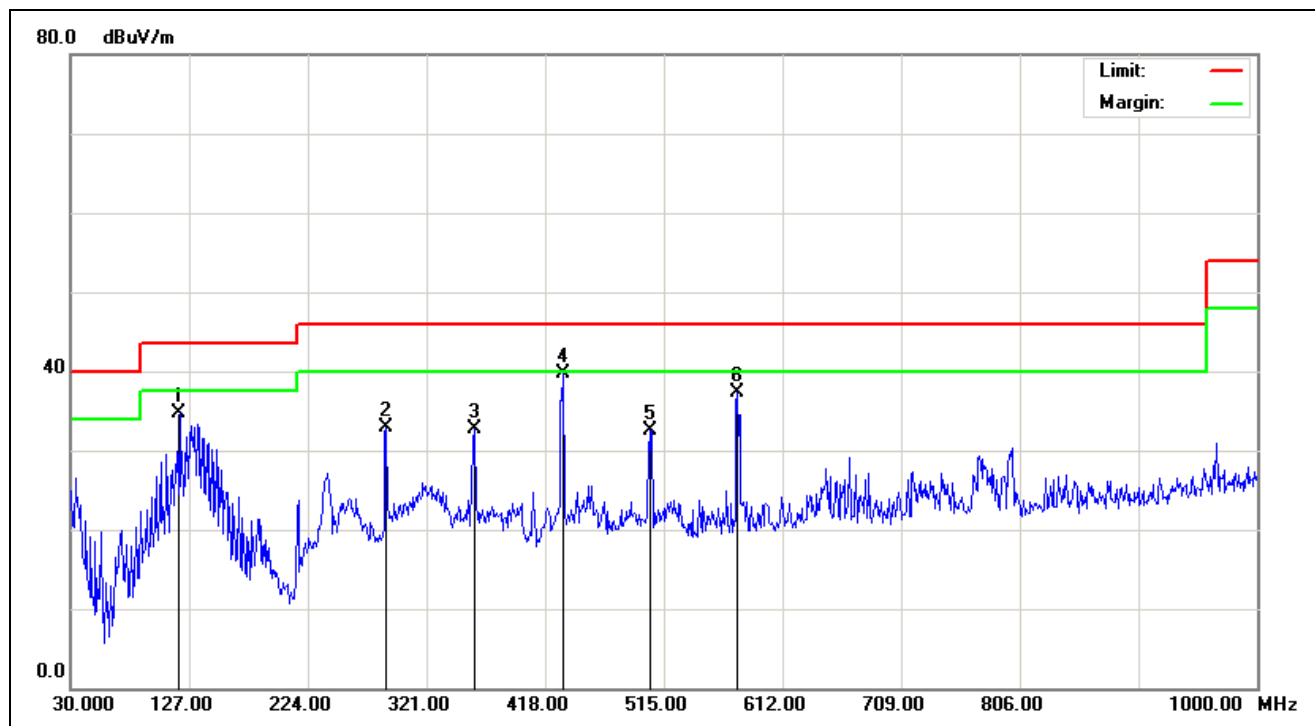
Tel:+886-2-2172-7000 Fax:+886-2-2528-0018



Service No.:	114026367-NCC	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/9/24 22:16:34
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%)	22(°C)/57%
Model No.:	7xx	Test Engineer:	Hugo Chang
Test Mode:	TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	119.2399	-14.60	42.51	27.91	43.50	-15.59	QP	100	251	
2	191.9900	-16.80	41.24	24.44	43.50	-19.06	QP	100	293	
3	287.0500	-12.29	47.73	35.44	46.00	-10.56	QP	100	290	
4	432.5500	-9.59	41.27	31.68	46.00	-14.32	QP	100	83	
5	667.2899	-6.30	40.16	33.86	46.00	-12.14	QP	100	2	
6	772.0499	-4.83	40.07	35.24	46.00	-10.76	QP	100	157	

Spurious Emissions, Mains, 150kHz - 30MHz



Service No.:	114026367-NCC	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/9/24 22:17:37
Applicant:	COMPASS	Test Rating:	DC 5V
Product:	Sport Watch	Temp.(°C)/Hum.(%)	22(°C)/57%
Model No.:	7xx	Test Engineer:	Hugo Chang
Test Mode:	TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	119.2399	-14.60	49.25	34.65	43.50	-8.85	QP	100	77	
2	288.0199	-12.25	45.09	32.84	46.00	-13.16	QP	100	194	
3	360.7699	-10.66	43.39	32.73	46.00	-13.27	QP	100	189	
4	432.5500	-9.59	49.33	39.74	46.00	-6.26	QP	100	181	
5	504.3299	-8.50	41.07	32.57	46.00	-13.43	QP	100	200	
6	575.1399	-7.63	45.01	37.38	46.00	-8.62	QP	100	19	