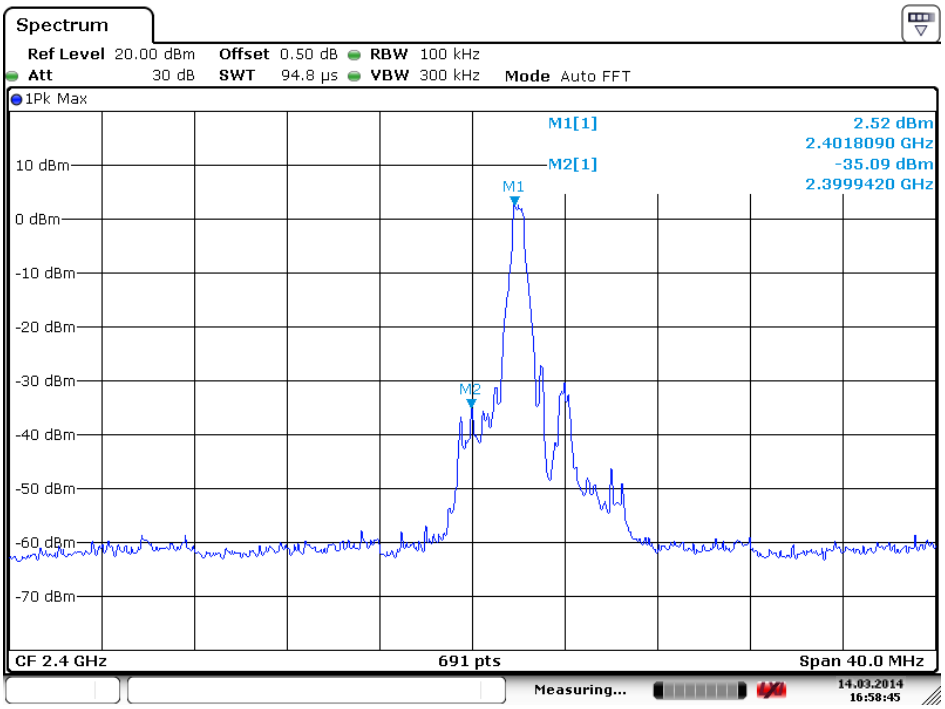
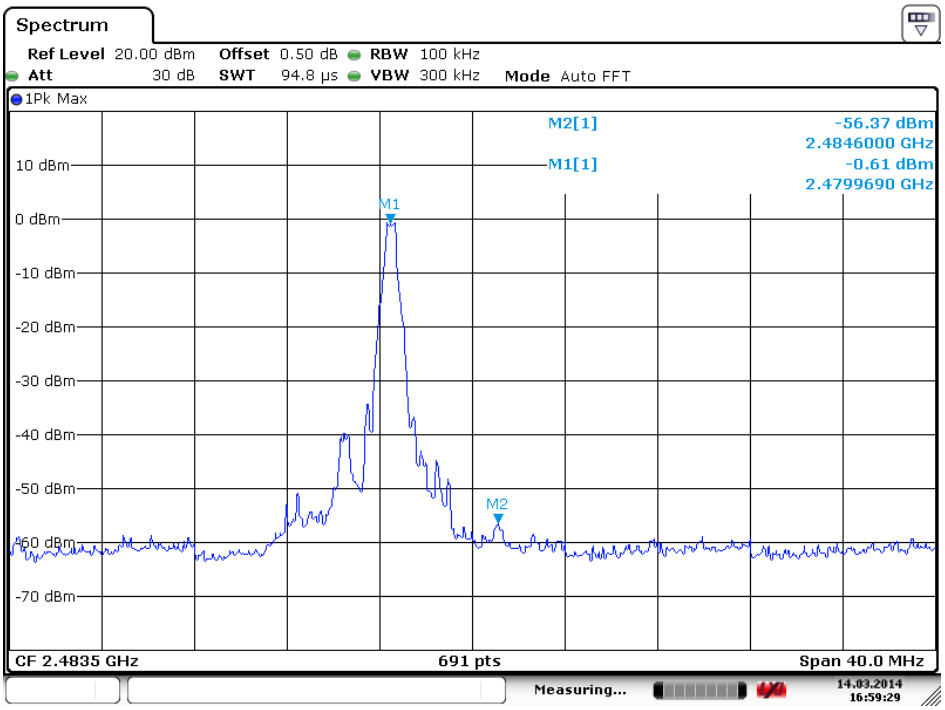
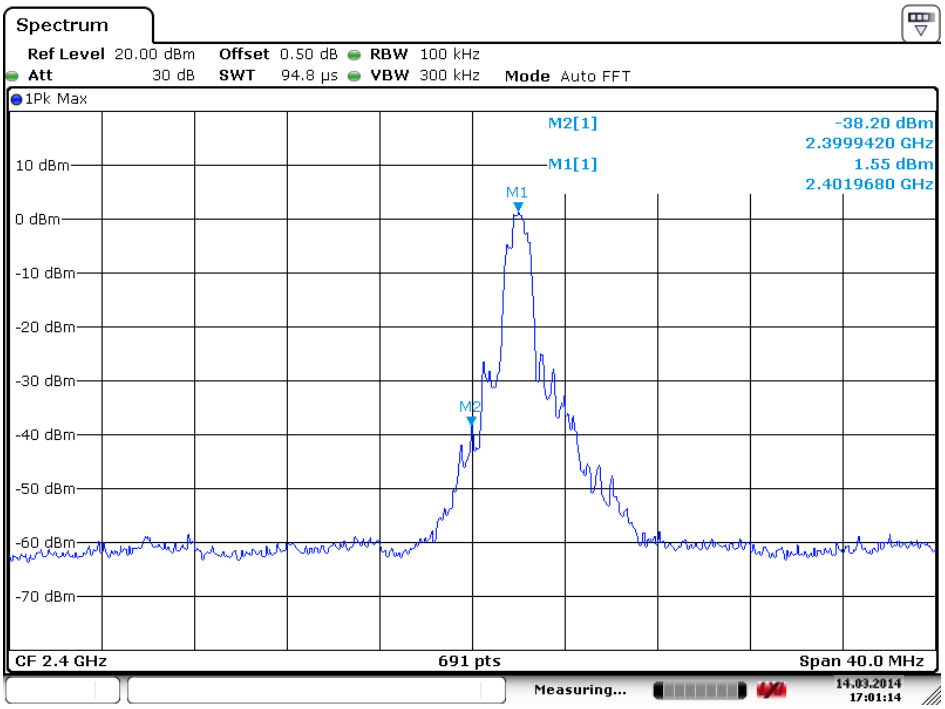
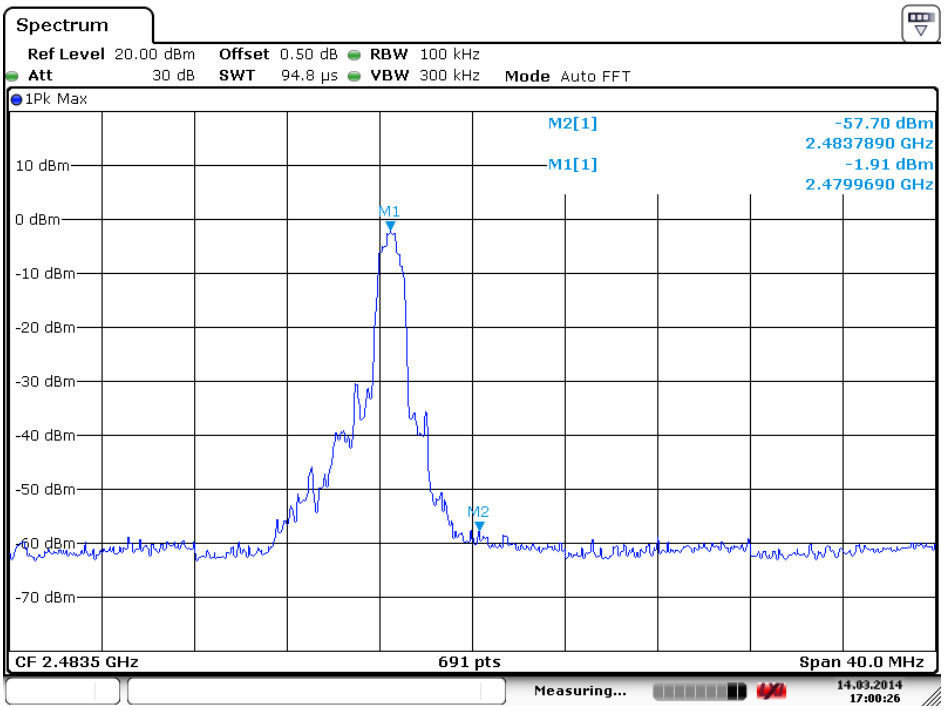
GFSK


Spectrum
Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz
Att 30 dB SWT 94.8 µs VBW 300 kHz Mode Auto FFT
1Pk Max
M1[1] 2.52 dBm
2.4018090 GHz
M2[1] -35.09 dBm
2.3999420 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
M2
CF 2.4 GHz
691 pts
Span 40.0 MHz
Measuring...
14.03.2014
16:58:45

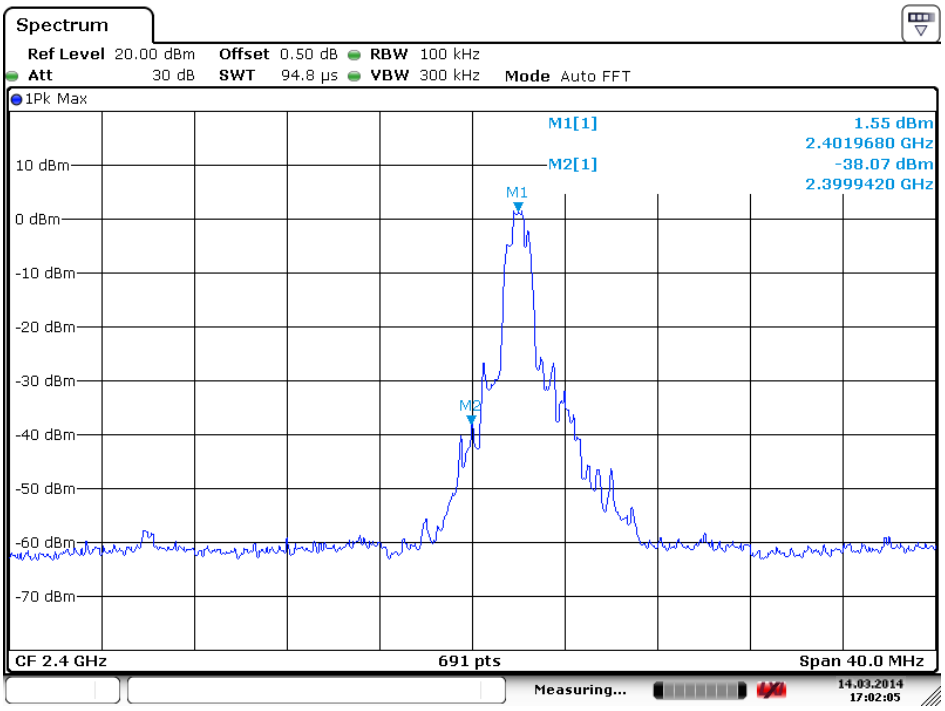

Spectrum
Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz
Att 30 dB SWT 94.8 µs VBW 300 kHz Mode Auto FFT
1Pk Max
M2[1] -56.37 dBm
2.4846000 GHz
M1[1] -0.61 dBm
2.4799690 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
M2
CF 2.4835 GHz
691 pts
Span 40.0 MHz
Measuring...
14.03.2014
16:59:29

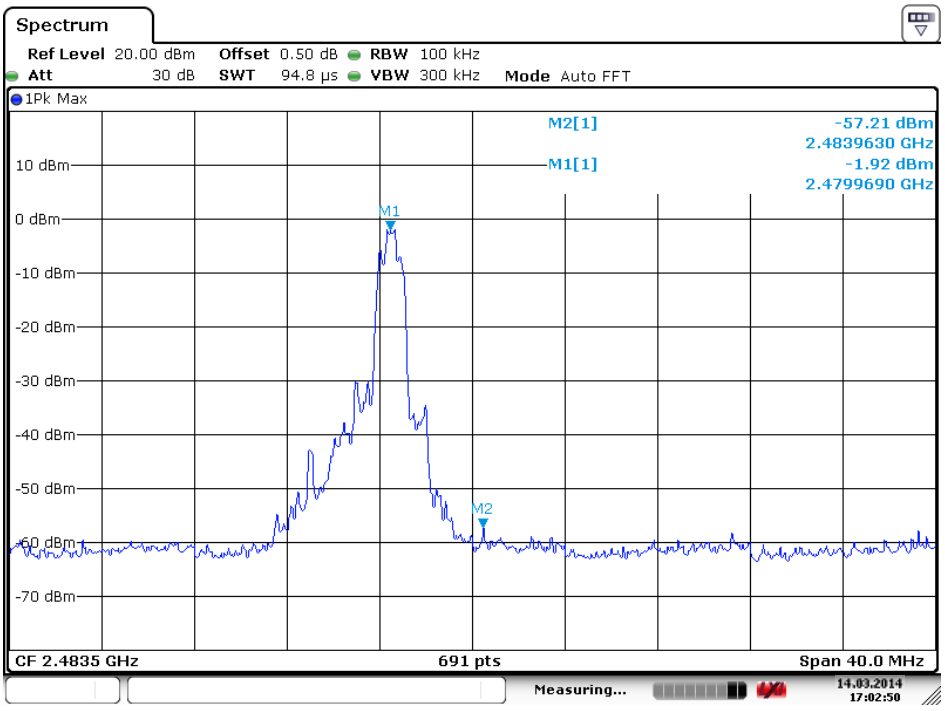
Π/4-DQPSK Mode





8DPSK


Spectrum
Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz
Att 30 dB SWT 94.8 µs VBW 300 kHz Mode Auto FFT
1Pk Max
M1[1] 1.55 dBm
2.4019680 GHz
M2[1] -38.07 dBm
2.3999420 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
M2
CF 2.4 GHz
691 pts
Span 40.0 MHz
Measuring...
14.03.2014
17:02:05


Spectrum
Ref Level 20.00 dBm Offset 0.50 dB RBW 100 kHz
Att 30 dB SWT 94.8 µs VBW 300 kHz Mode Auto FFT
1Pk Max
M2[1] -57.21 dBm
2.4839630 GHz
M1[1] -1.92 dBm
2.4799690 GHz
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
-70 dBm
M1
M2
CF 2.4835 GHz
691 pts
Span 40.0 MHz
Measuring...
14.03.2014
17:02:50

Radiated Band Edge Result

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

   Result = Reading + Corrected Factor
3. Display the measurement of peak values.

Non-hopping mode

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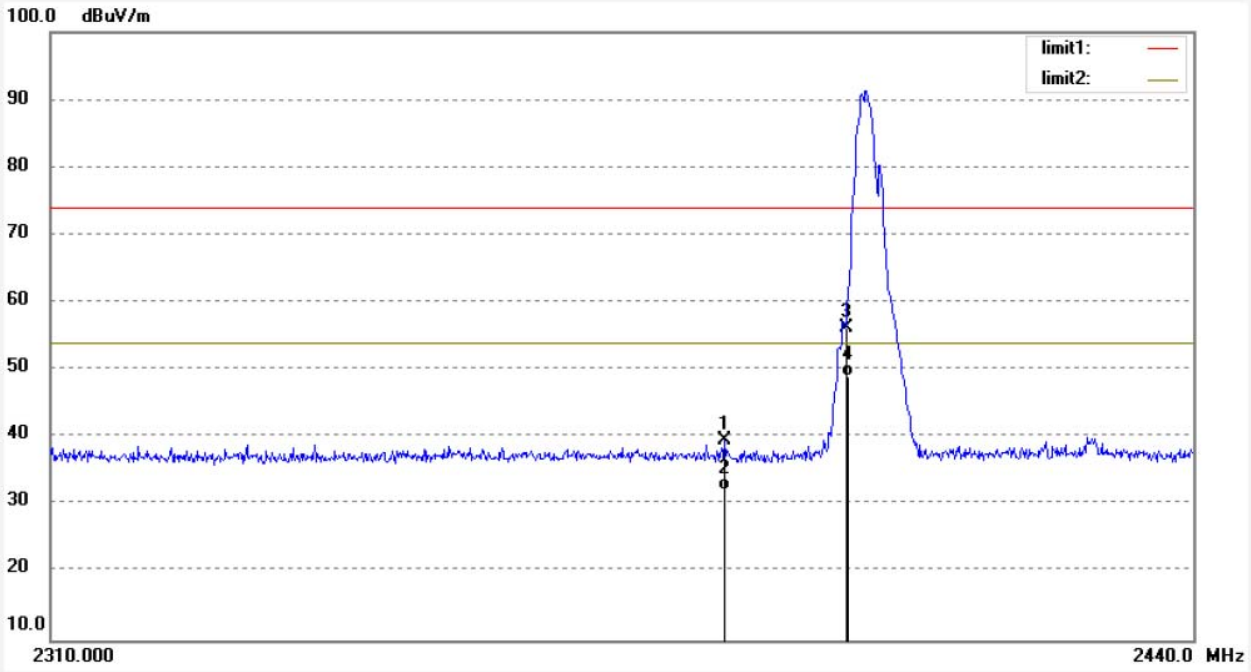
Job No.: alen #3604	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 7.4V
Test item: Radiation Test	Date: 14/13/01/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/53/59
EUT: Speaker	Engineer Signature:
Mode: TX 2402MHz(GFSK)	Distance: 3m
Model: FY-28	
Manufacturer: New Tech	

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2385.920	46.35	-6.80	39.55	74.00	-34.45	peak			
2	2385.920	38.87	-6.80	32.07	54.00	-21.93	AVG			
3	2400.000	63.08	-6.76	56.32	74.00	-17.68	peak			
4	2400.000	55.78	-6.76	49.02	54.00	-4.98	AVG			

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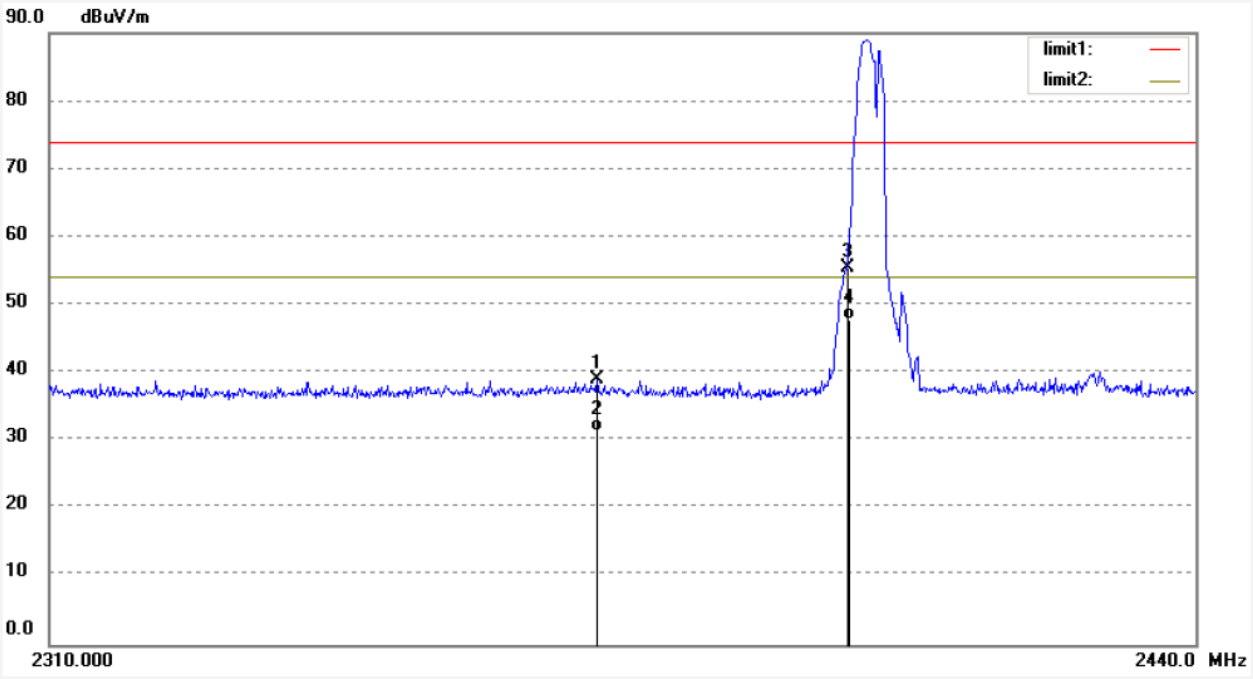
Job No.: alen #3605	Polarization: Vertical
Standard: FCC PK	Power Source: DC 7.4V
Test item: Radiation Test	Date: 14/13/01/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/55/03
EUT: Speaker	Engineer Signature:
Mode: TX 2402MHz(GFSK)	Distance: 3m
Model: FY-28	
Manufacturer: New Tech	

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2371.360	45.78	-6.82	38.96	74.00	-35.04	peak			
2	2371.360	38.24	-6.82	31.42	54.00	-22.58	AVG			
3	2400.000	62.19	-6.76	55.43	74.00	-18.57	peak			
4	2400.000	54.57	-6.76	47.81	54.00	-6.19	AVG			

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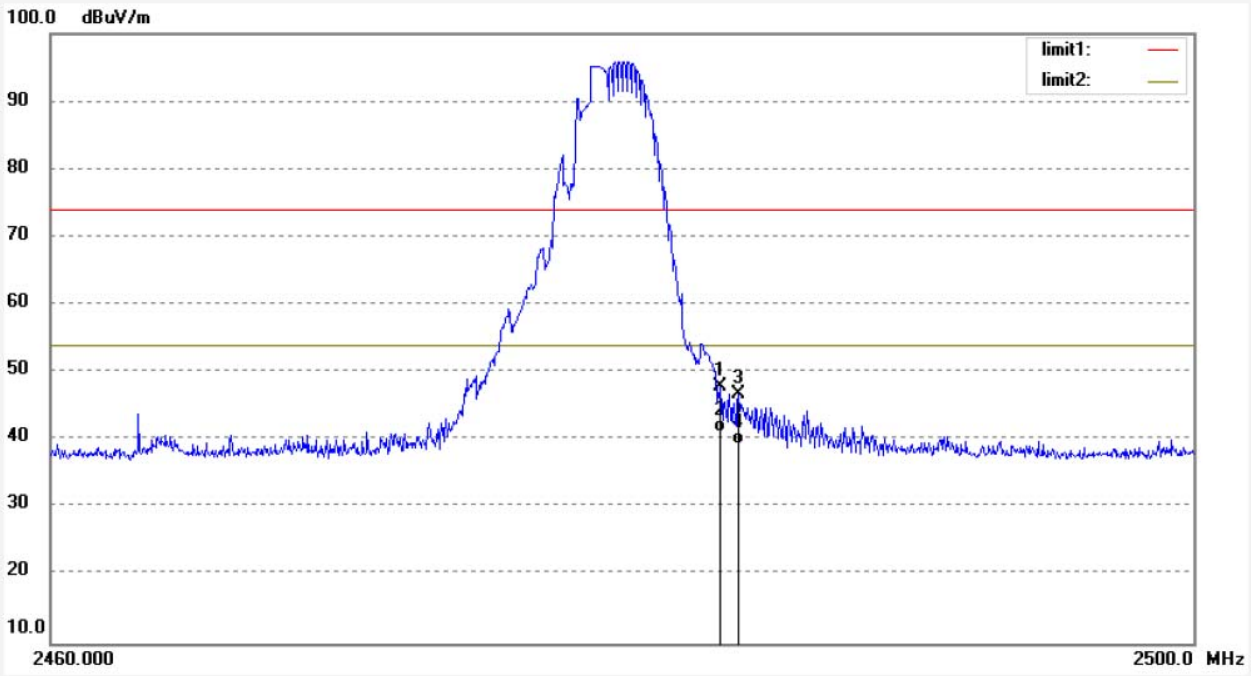
Job No.: alen #3602
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: TX 2480MHz(GFSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Horizontal
Power Source: DC 7.4V
Date: 14/13/01/
Time: 9/50/41
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	54.49	-6.54	47.95	74.00	-26.05	peak			
2	2483.500	47.68	-6.54	41.14	54.00	-12.86	AVG			
3	2484.040	53.28	-6.54	46.74	74.00	-27.26	peak			
4	2484.040	46.01	-6.54	39.47	54.00	-14.53	AVG			

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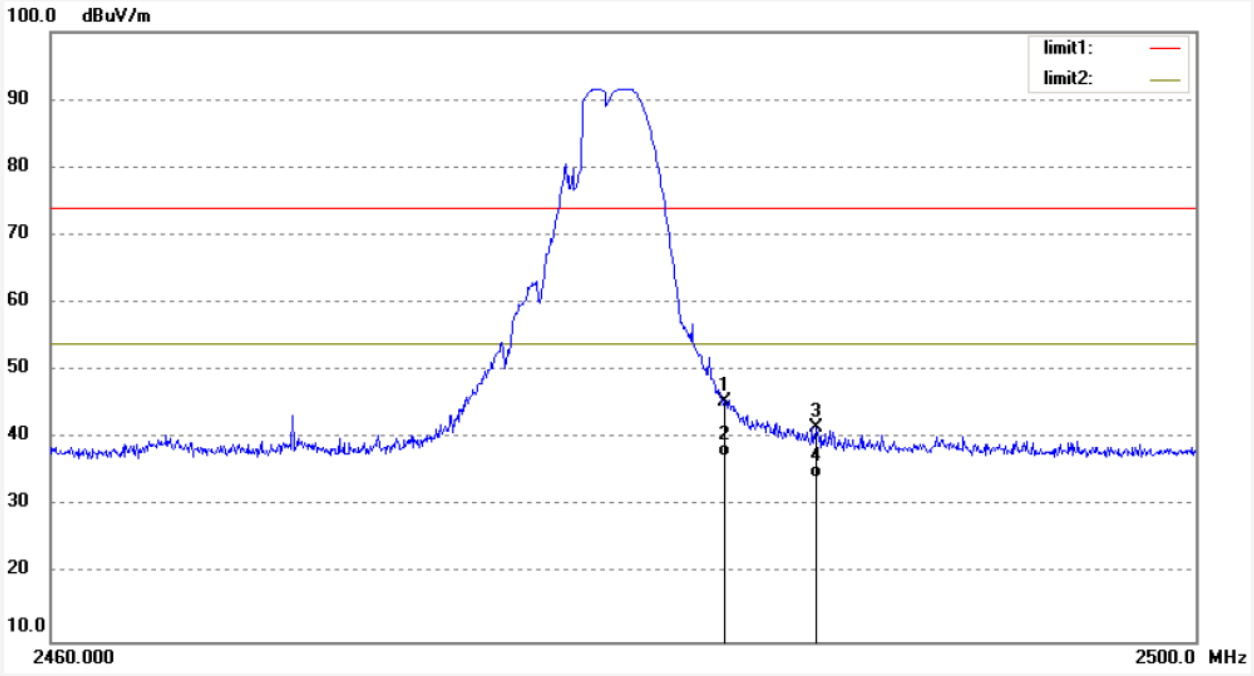
Job No.: alen #3603	Polarization: Vertical
Standard: FCC PK	Power Source: DC 7.4V
Test item: Radiation Test	Date: 14/13/01/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/52/11
EUT: Speaker	Engineer Signature:
Mode: TX 2480MHz(GFSK)	Distance: 3m
Model: FY-28	
Manufacturer: New Tech	

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	51.98	-6.54	45.44	74.00	-28.56	peak			
2	2483.500	43.89	-6.54	37.35	54.00	-16.65	AVG			
3	2486.720	48.23	-6.53	41.70	74.00	-32.30	peak			
4	2486.720	40.68	-6.53	34.15	54.00	-19.85	AVG			

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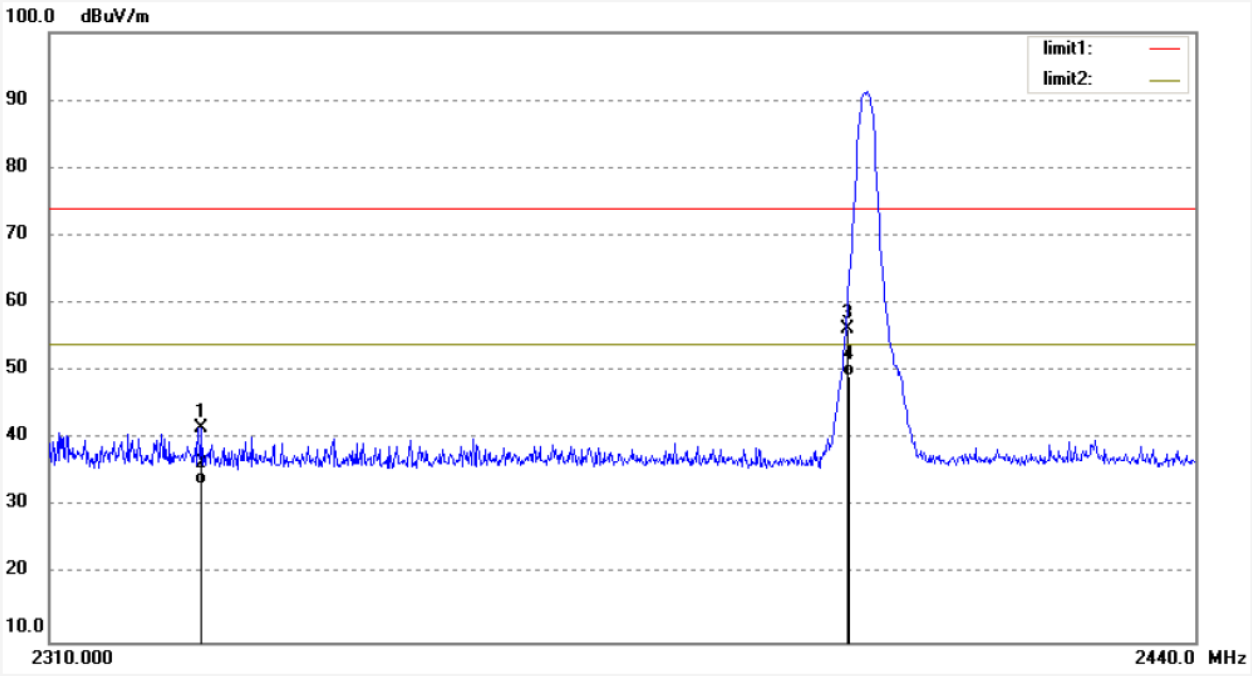
Job No.: alen #3626	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 7.4V
Test item: Radiation Test	Date: 14/13/04/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/05/12
EUT: Speaker	Engineer Signature:
Mode: TX 2402MHz(pi/4DQPSK)	Distance: 3m
Model: FY-28	
Manufacturer: New Tech	

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2326.900	48.65	-6.95	41.70	74.00	-32.30	peak			
2	2326.900	40.35	-6.95	33.40	54.00	-20.60	AVG			
3	2400.000	63.01	-6.76	56.25	74.00	-17.75	peak			
4	2400.000	56.10	-6.76	49.34	54.00	-4.66	AVG			

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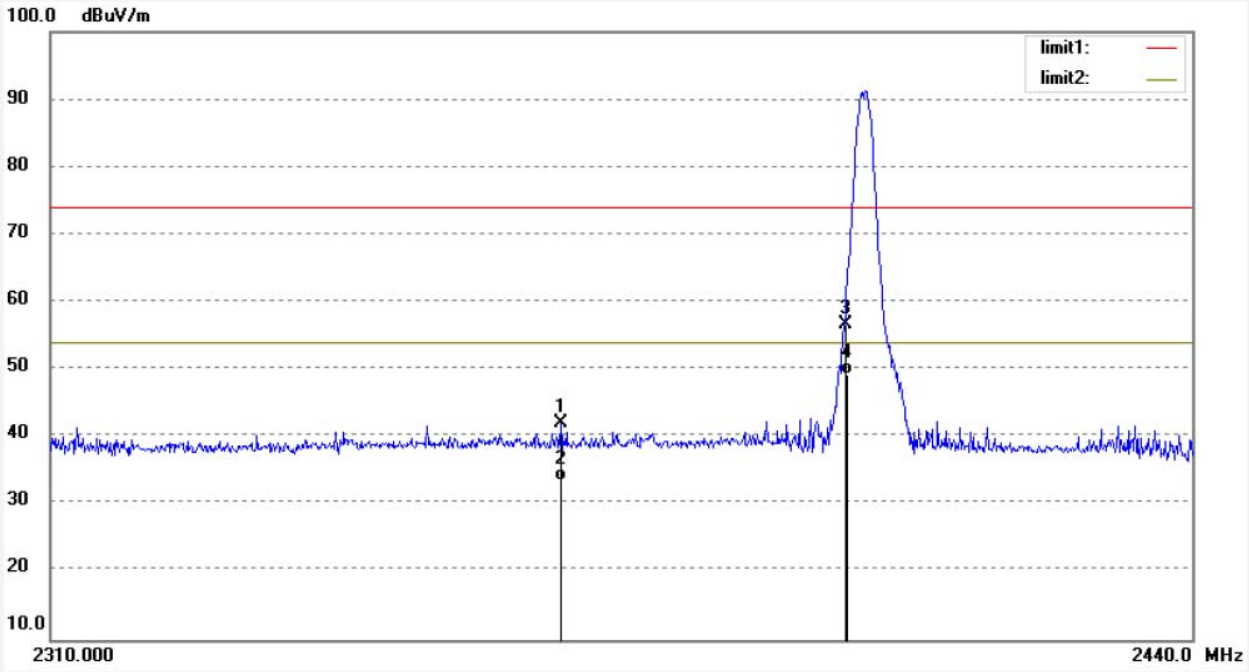
Job No.: alen #3625
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: TX 2402MHz(pi/4DQPSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Vertical
Power Source: DC 7.4V
Date: 14/13/04/
Time: 9/04/05
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2367.330	48.78	-6.83	41.95	74.00	-32.05	peak			
2	2367.330	40.35	-6.83	33.52	54.00	-20.48	AVG			
3	2400.000	63.47	-6.76	56.71	74.00	-17.29	peak			
4	2400.000	56.10	-6.76	49.34	54.00	-4.66	AVG			

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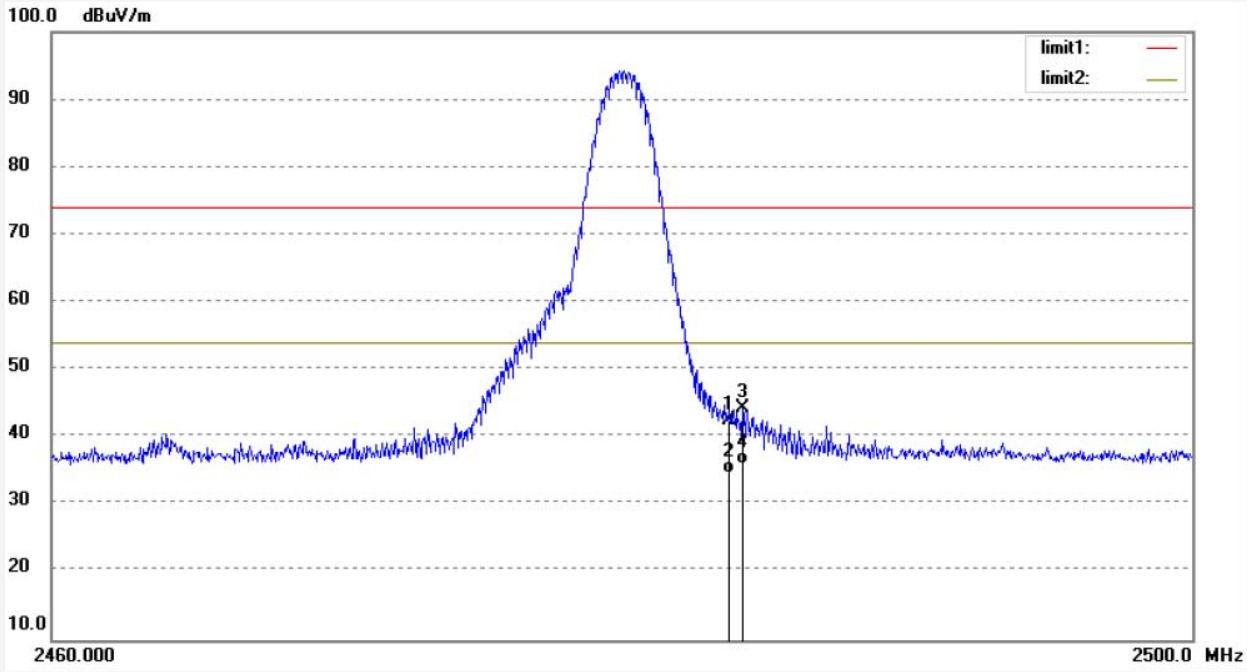
Job No.: alen #3627
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: TX 2480MHz(pi/4DQPSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Horizontal
Power Source: DC 7.4V
Date: 14/13/04/
Time: 9/06/39
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	49.08	-6.54	42.54	74.00	-31.46	peak			
2	2483.500	41.24	-6.54	34.70	54.00	-19.30	AVG			
3	2484.200	50.89	-6.54	44.35	74.00	-29.65	peak			
4	2484.200	42.56	-6.54	36.02	54.00	-17.98	AVG			

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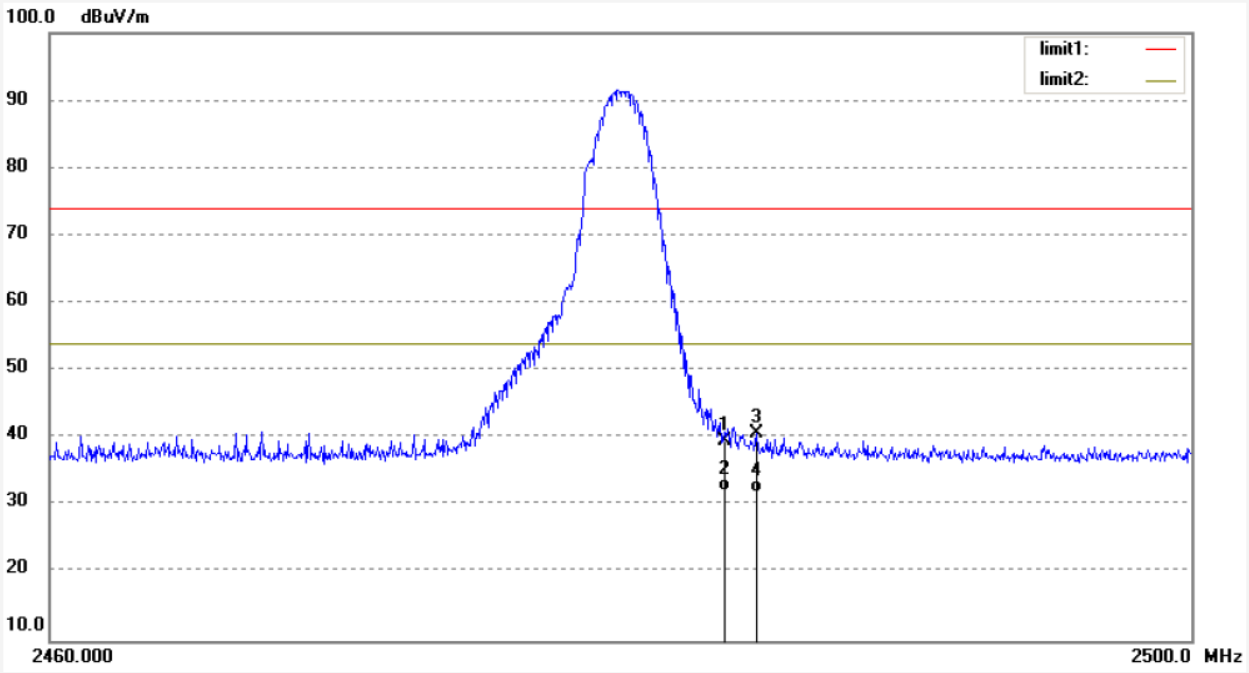
Fax:+86-0755-26503396

Job No.: alen #3628
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: TX 2480MHz(pi/4DQPSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Vertical
Power Source: DC 7.4V
Date: 14/13/04/
Time: 9/08/06
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	46.15	-6.54	39.61	74.00	-34.39	peak			
2	2483.500	38.78	-6.54	32.24	54.00	-21.76	AVG			
3	2484.720	47.16	-6.54	40.62	74.00	-33.38	peak			
4	2484.720	38.54	-6.54	32.00	54.00	-22.00	AVG			

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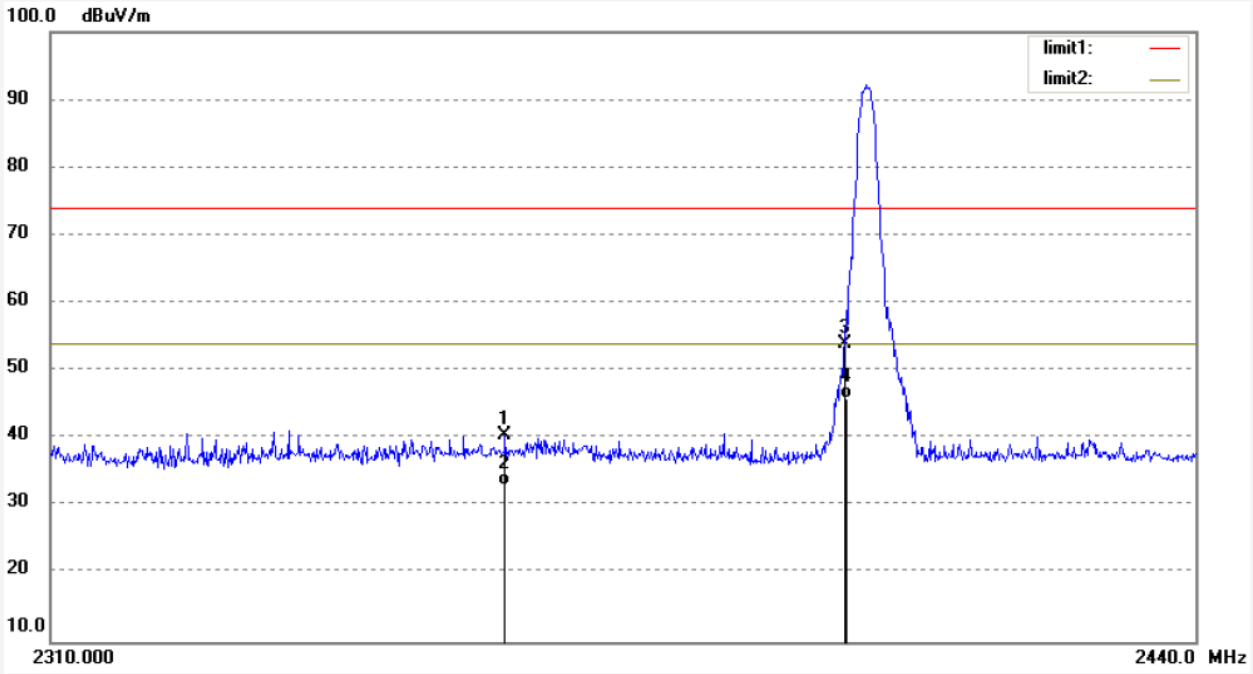
Job No.: alen #3618
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: TX 2402MHz(8DPSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Horizontal
Power Source: DC 7.4V
Date: 14/03/14/
Time: 8/43/01
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140163



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2360.830	47.36	-6.86	40.50	74.00	-33.50	peak			
2	2360.830	40.01	-6.86	33.15	54.00	-20.85	AVG			
3	2400.000	60.73	-6.76	53.97	74.00	-20.03	peak			
4	2400.000	52.54	-6.76	45.78	54.00	-8.22	AVG			

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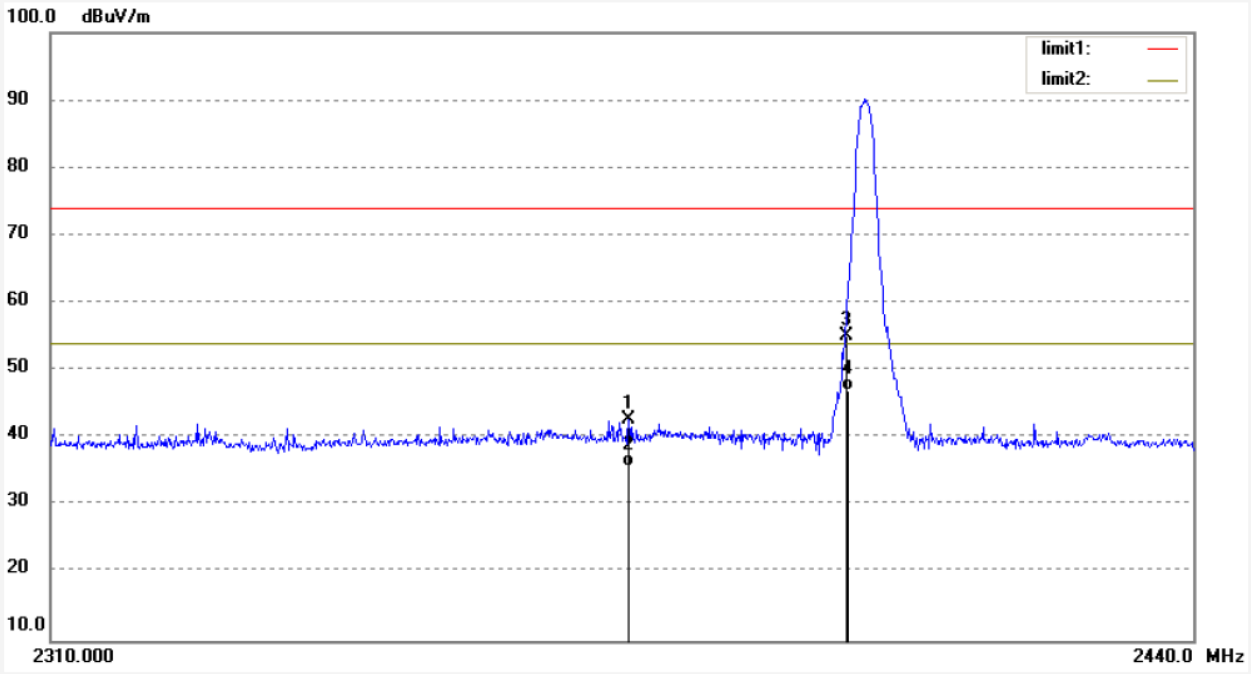
Job No.: alen #3617
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: TX 2402MHz(8DPSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Vertical
Power Source: DC 7.4V
Date: 14/13/04/
Time: 8/41/27
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2375.000	49.62	-6.83	42.79	74.00	-31.21	peak			
2	2375.000	42.51	-6.83	35.68	54.00	-18.32	AVG			
3	2400.000	61.78	-6.76	55.02	74.00	-18.98	peak			
4	2400.000	53.87	-6.76	47.11	54.00	-6.89	AVG			

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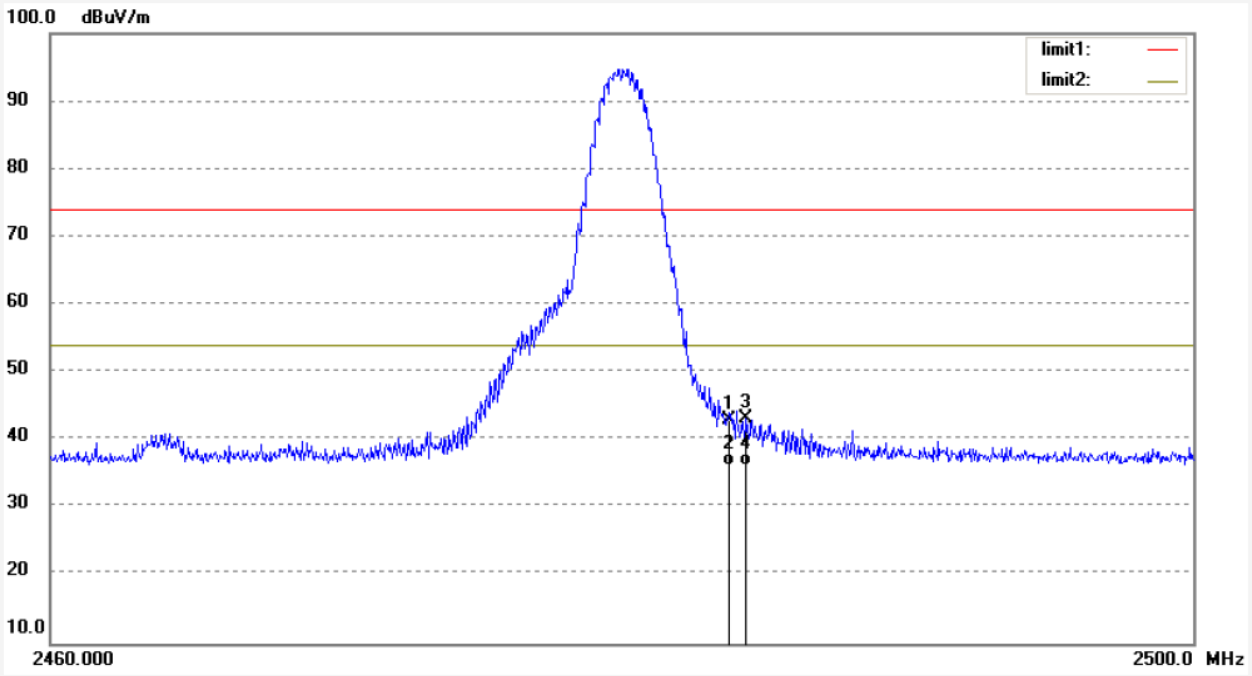
Job No.: alen #3619
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: TX 2480MHz(8DPSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Horizontal
Power Source: DC 7.4V
Date: 14/13/04/
Time: 8/44/57
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	49.59	-6.54	43.05	74.00	-30.95	peak			
2	2483.500	42.65	-6.54	36.11	54.00	-17.89	AVG			
3	2484.320	49.68	-6.54	43.14	74.00	-30.86	peak			
4	2484.320	42.74	-6.54	36.20	54.00	-17.80	AVG			

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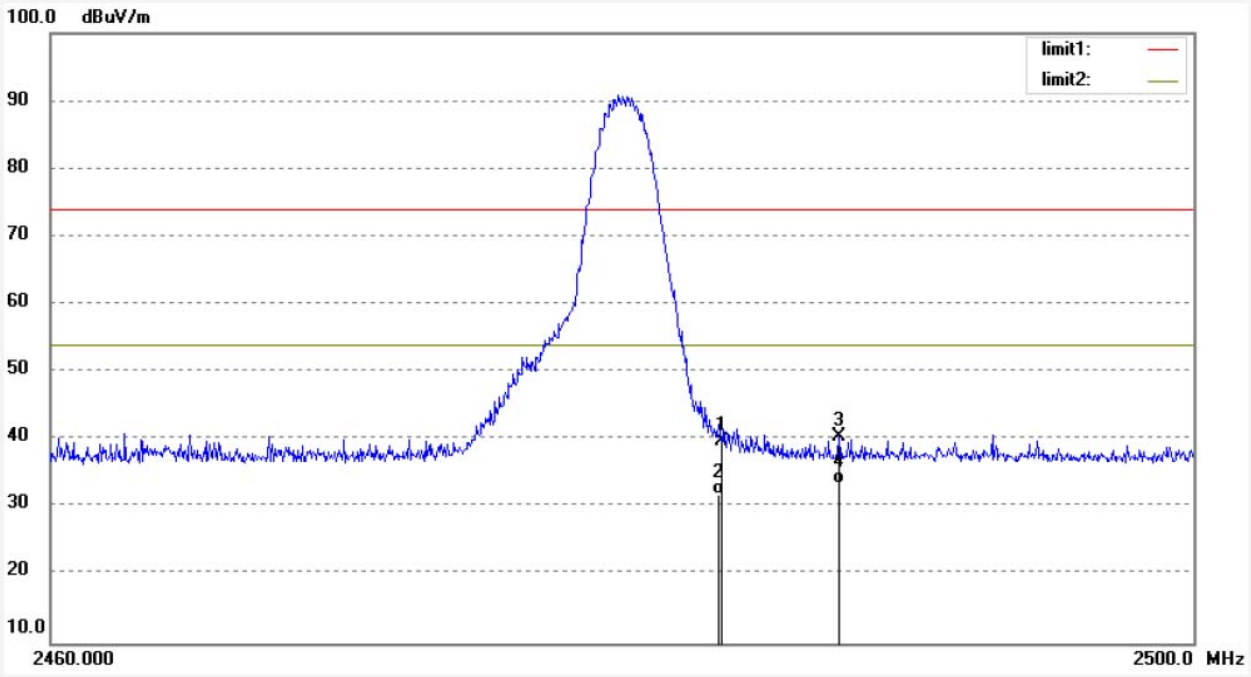
Job No.: alen #3620
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: TX 2480MHz(8DPSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Vertical
Power Source: DC 7.4V
Date: 14/13/04/
Time: 8/46/20
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	46.27	-6.54	39.73	74.00	-34.27	peak			
2	2483.500	38.54	-6.54	32.00	54.00	-22.00	AVG			
3	2487.560	47.11	-6.52	40.59	74.00	-33.41	peak			
4	2487.560	39.98	-6.52	33.46	54.00	-20.54	AVG			

Hopping mode

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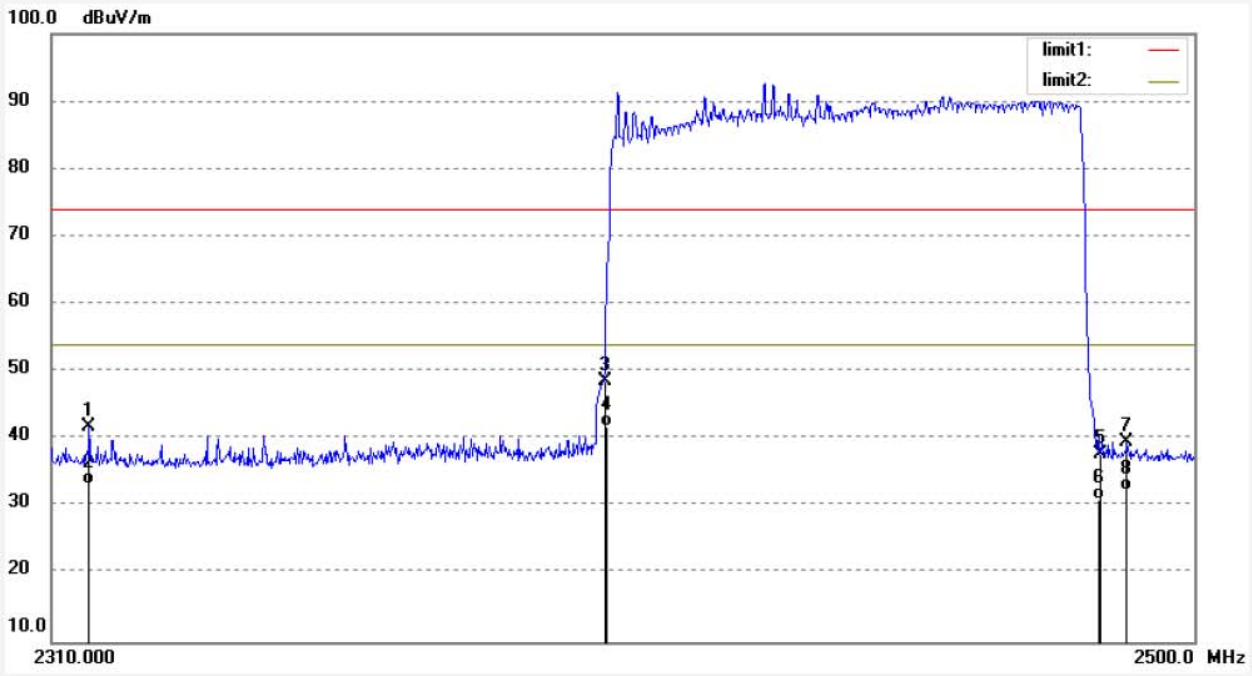
Job No.: alen #3608
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: Hopping TX(GFSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Horizontal
Power Source: DC 7.4V
Date: 14/03/11/
Time: 15/38/05
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2316.080	48.79	-6.97	41.82	74.00	-32.18	peak			
2	2316.080	40.35	-6.97	33.38	54.00	-20.62	AVG			
3	2400.000	55.37	-6.76	48.61	74.00	-25.39	peak			
4	2400.000	48.65	-6.76	41.89	54.00	-12.11	AVG			
5	2483.660	44.29	-6.54	37.75	74.00	-36.25	peak			
6	2483.660	37.65	-6.54	31.11	54.00	-22.89	AVG			
7	2488.500	46.03	-6.52	39.51	74.00	-34.49	peak			
8	2488.500	38.87	-6.52	32.35	54.00	-21.65	AVG			

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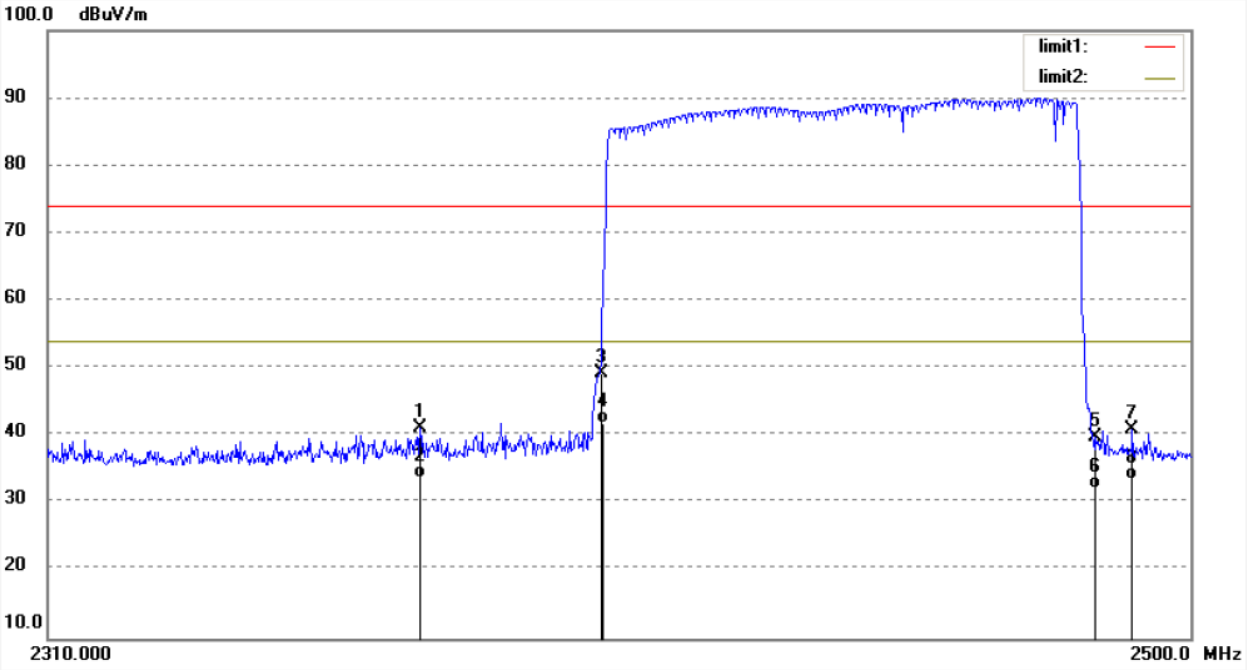
Job No.: alen #3607
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: Hopping TX(GFSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Vertical
Power Source: DC 7.4V
Date: 14/03/11/
Time: 15/33/06
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2370.420	47.96	-6.83	41.13	74.00	-32.87	peak			
2	2370.420	40.57	-6.83	33.74	54.00	-20.26	AVG			
3	2400.000	56.11	-6.76	49.35	74.00	-24.65	peak			
4	2400.000	48.68	-6.76	41.92	54.00	-12.08	AVG			
5	2483.500	46.40	-6.54	39.86	74.00	-34.14	peak			
6	2483.500	38.78	-6.54	32.24	54.00	-21.76	AVG			
7	2490.120	47.55	-6.52	41.03	74.00	-32.97	peak			
8	2490.120	40.12	-6.52	33.60	54.00	-20.40	AVG			

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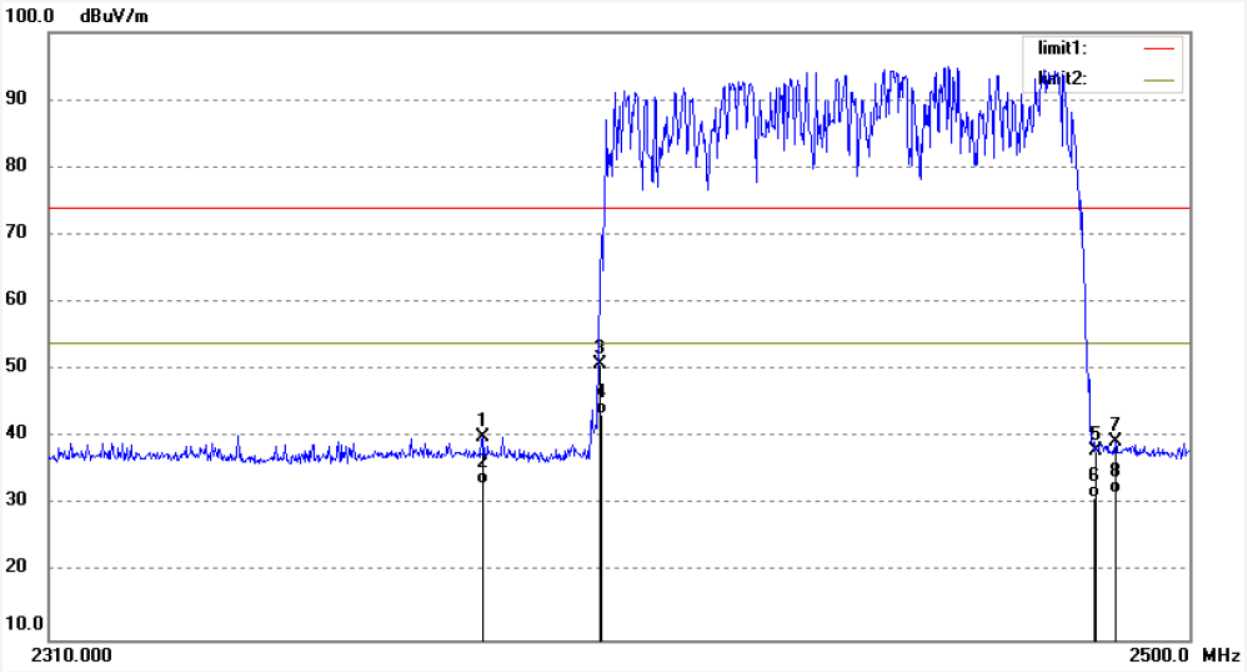
Job No.: alen #3623
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: Hopping TX(pi/4DQPSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Horizontal
Power Source: DC 7.4V
Date: 14/03/12/
Time: 8/59/45
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2380.680	46.89	-6.81	40.08	74.00	-33.92	peak			
2	2380.680	39.87	-6.81	33.06	54.00	-20.94	AVG			
3	2400.000	57.64	-6.76	50.88	74.00	-23.12	peak			
4	2400.000	50.24	-6.76	43.48	54.00	-10.52	AVG			
5	2483.500	44.55	-6.54	38.01	74.00	-35.99	peak			
6	2483.500	37.65	-6.54	31.11	54.00	-22.89	AVG			
7	2487.270	45.86	-6.53	39.33	74.00	-34.67	peak			
8	2487.270	38.28	-6.53	31.75	54.00	-22.25	AVG			

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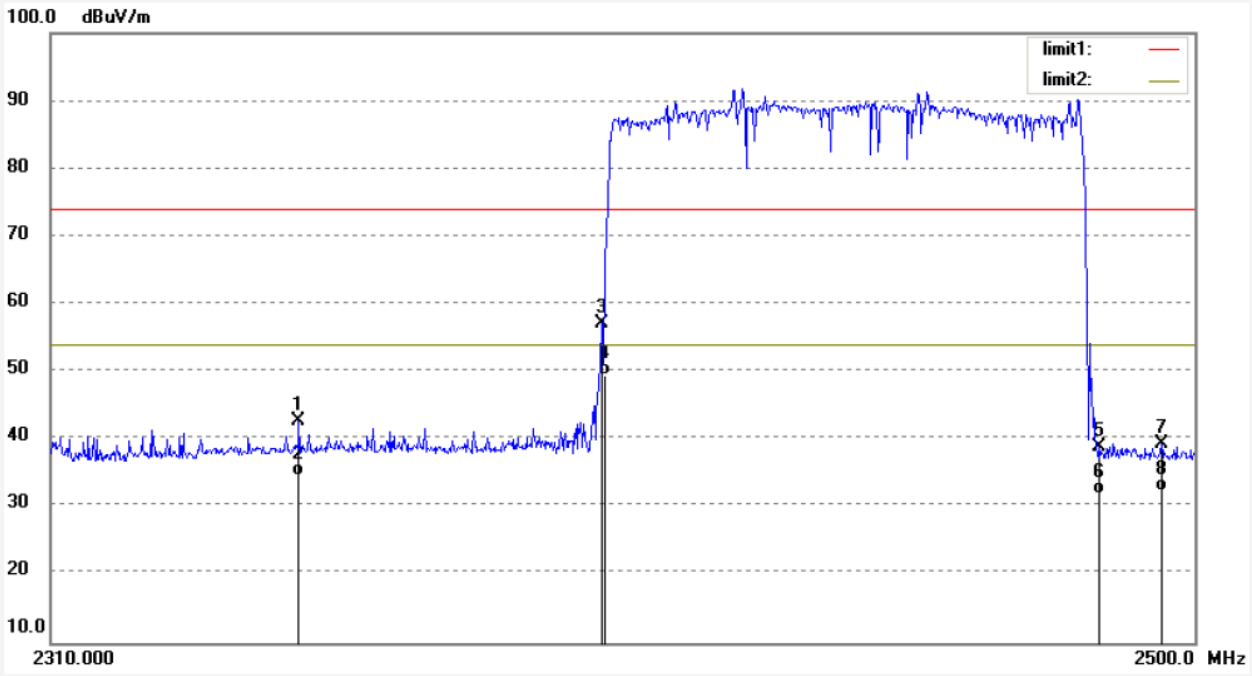
Job No.: alen #3624
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: Hopping TX(pi/4DQPSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Vertical
Power Source: DC 7.4V
Date: 14/03/12/
Time: 9/02/36
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2350.090	49.72	-6.89	42.83	74.00	-31.17	peak			
2	2350.090	41.58	-6.89	34.69	54.00	-19.31	AVG			
3	2400.000	63.97	-6.76	57.21	74.00	-16.79	peak			
4	2400.000	56.21	-6.76	49.45	54.00	-4.55	AVG			
5	2483.500	45.38	-6.54	38.84	74.00	-35.16	peak			
6	2483.500	38.54	-6.54	32.00	54.00	-22.00	AVG			
7	2494.300	45.90	-6.50	39.40	74.00	-34.60	peak			
8	2494.300	38.87	-6.50	32.37	54.00	-21.63	AVG			

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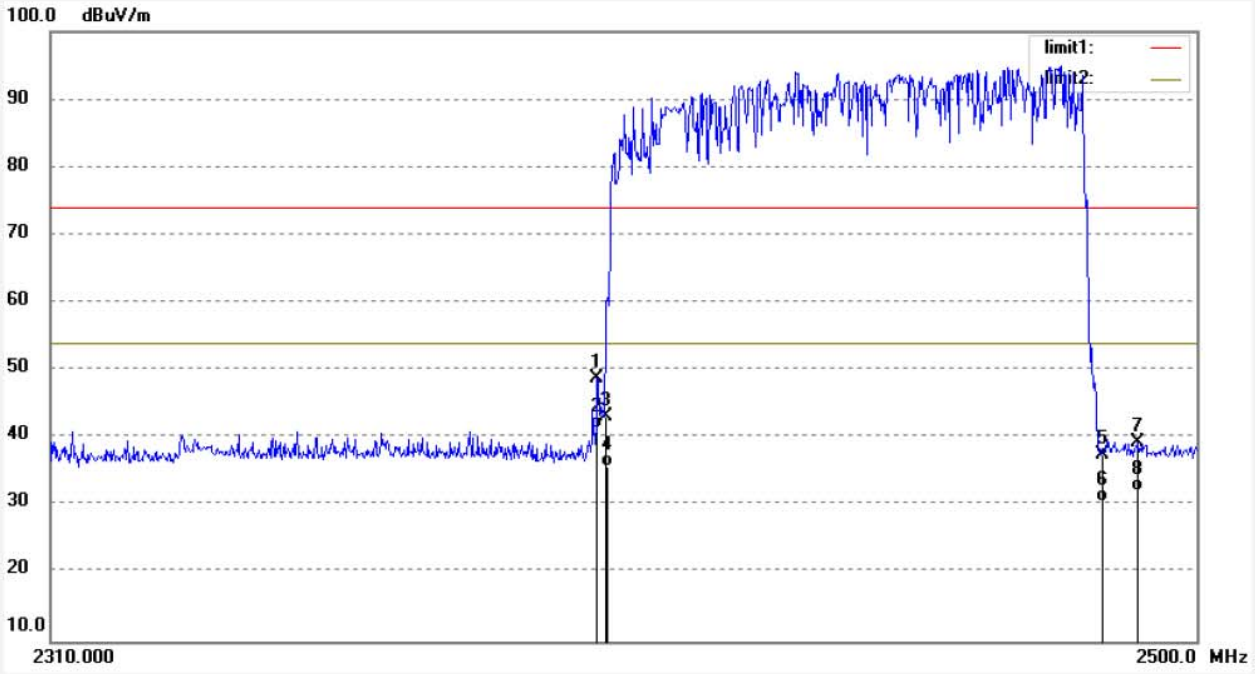
Job No.: alen #3622
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: Hopping TX(8DPSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Horizontal
Power Source: DC 7.4V
Date: 14/03/12/
Time: 8/55/36
Engineer Signature:
Distance: 3m

Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2398.920	55.67	-6.76	48.91	74.00	-25.09	peak			
2	2398.920	48.21	-6.76	41.45	54.00	-12.55	AVG			
3	2400.000	49.91	-6.76	43.15	74.00	-30.85	peak			
4	2400.000	42.57	-6.76	35.81	54.00	-18.19	AVG			
5	2483.500	44.18	-6.54	37.64	74.00	-36.36	peak			
6	2483.500	37.17	-6.54	30.63	54.00	-23.37	AVG			
7	2490.120	45.90	-6.52	39.38	74.00	-34.62	peak			
8	2490.120	38.78	-6.52	32.26	54.00	-21.74	AVG			

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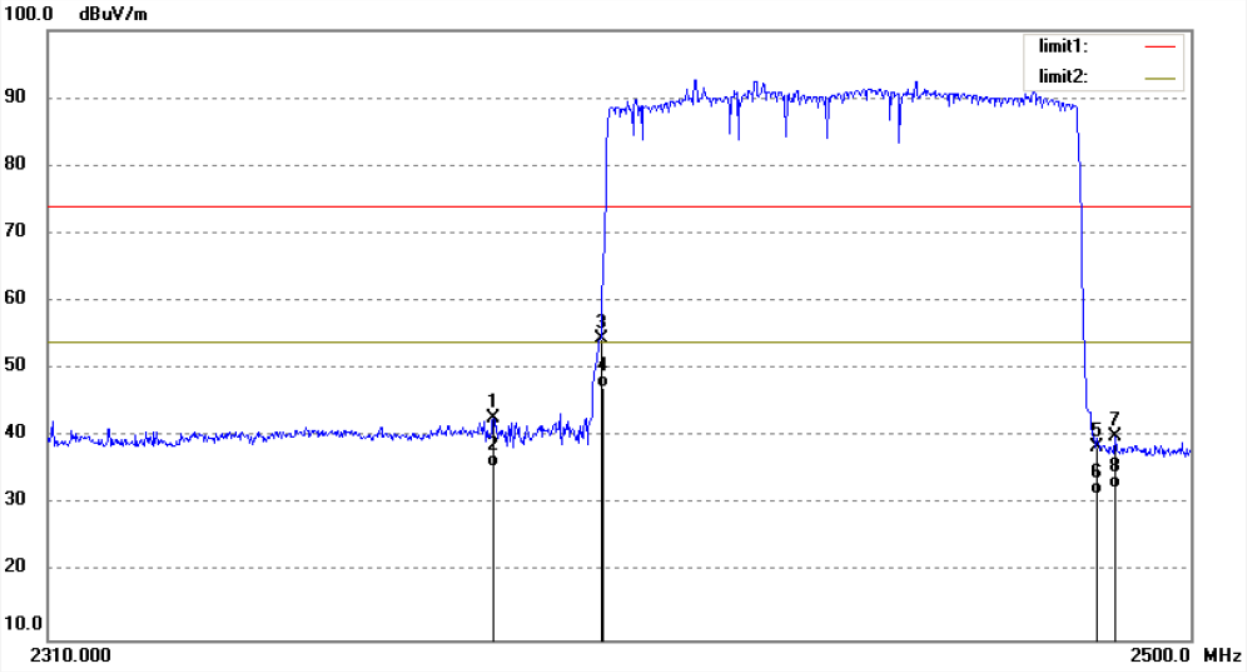
Job No.: alen #3621
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Speaker
Mode: Hopping TX(8DPSK)
Model: FY-28
Manufacturer: New Tech

Polarization: Vertical
Power Source: DC 7.4V
Date: 14/03/12/
Time: 8/50/53
Engineer Signature:
Distance: 3m

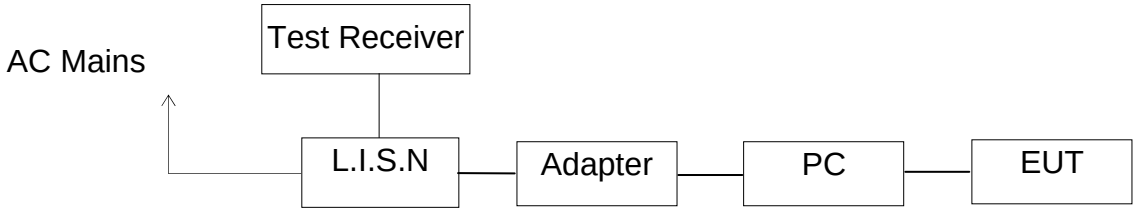
Note: Report No:ATE20140248



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2382.390	49.51	-6.81	42.70	74.00	-31.30	peak			
2	2382.390	42.45	-6.81	35.64	54.00	-18.36	AVG			
3	2400.000	61.24	-6.76	54.48	74.00	-19.52	peak			
4	2400.000	54.01	-6.76	47.25	54.00	-6.75	AVG			
5	2483.500	45.07	-6.54	38.53	74.00	-35.47	peak			
6	2483.500	38.01	-6.54	31.47	54.00	-22.53	AVG			
7	2487.080	46.52	-6.53	39.99	74.00	-34.01	peak			
8	2487.080	38.89	-6.53	32.36	54.00	-21.64	AVG			

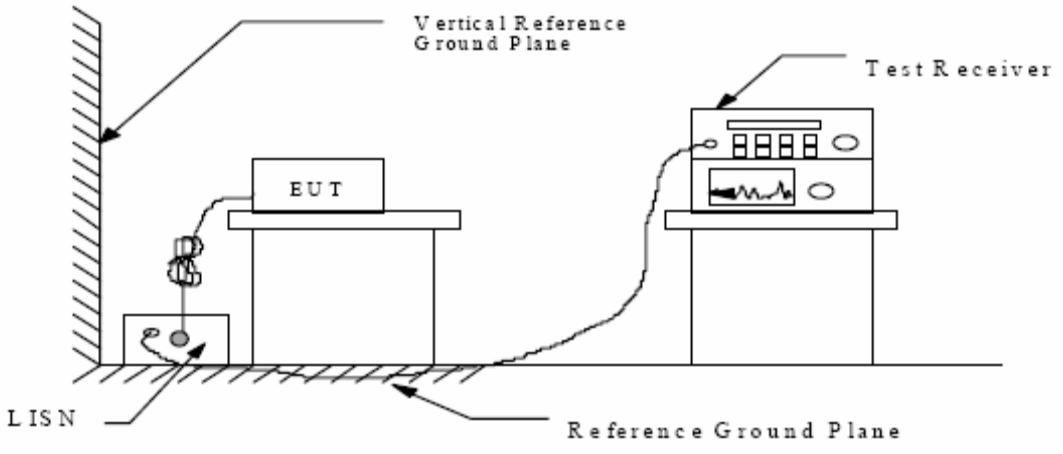
12. AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A)

12.1. Block Diagram of Test Setup



(EUT: Speaker)

12.2. Shielding Room Test Setup Diagram



12.3. The Emission Limit

12.3.1. Conducted Emission Measurement Limits According to Section 15.207(a)

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

* Decreases with the logarithm of the frequency.

12.4.Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

12.5.Operating Condition of EUT

12.5.1.Setup the EUT and simulator as shown as Section 12.1.

12.5.2.Turn on the power of all equipment.

12.5.3.Let the EUT work in test mode and measure it.

12.6.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2009 on Conducted Emission Measurement.
The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

12.7.Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Test mode : Charging&BT Communicating

MEASUREMENT RESULT: "ED-V01_fin"

3/11/2014 8:50AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.162467	47.70	10.5	65	17.6	QP	L1	GND
0.368279	41.00	10.7	59	17.5	QP	L1	GND
0.542434	47.80	10.7	56	8.2	QP	L1	GND

MEASUREMENT RESULT: "ED-V01_fin2"

3/11/2014 8:50AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.159256	40.50	10.5	56	15.0	AV	L1	GND
0.190596	39.10	10.5	54	14.9	AV	L1	GND
0.553370	40.10	10.7	46	5.9	AV	L1	GND

MEASUREMENT RESULT: "ED-V02_fin"

3/11/2014 8:54AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.157990	43.80	10.5	66	21.8	QP	N	GND
0.544604	45.80	10.7	56	10.2	QP	N	GND
0.904195	36.00	10.8	56	20.0	QP	N	GND

MEASUREMENT RESULT: "ED-V02_fin2"

3/11/2014 8:54AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.163117	33.80	10.5	55	21.5	AV	N	GND
0.381751	29.20	10.7	48	19.0	AV	N	GND
0.553370	37.90	10.7	46	8.1	AV	N	GND

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are attached as below.

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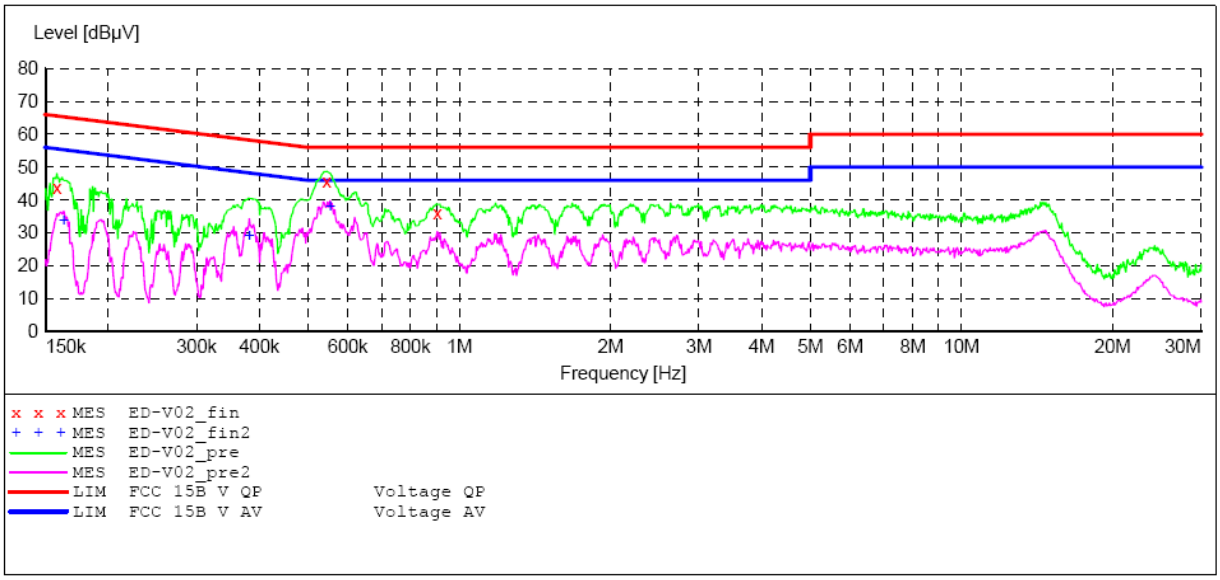
CONDUCTED EMISSION STANDARD FCC PART15

EUT: Speaker M/N:FY-28
Manufacturer: New Tech
Operating Condition: BT/Charging
Test Site: 1#Shielding Room
Operator: ALEN
Test Specification: N 120V/60Hz
Comment: Mains Port
Start of Test: 3/11/2014 / 8:51:43AM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "ED-V02_fin"

3/11/2014 8:54AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.157990	43.80	10.5	66	21.8	QP	N	GND
0.544604	45.80	10.7	56	10.2	QP	N	GND
0.904195	36.00	10.8	56	20.0	QP	N	GND

MEASUREMENT RESULT: "ED-V02_fin2"

3/11/2014 8:54AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.163117	33.80	10.5	55	21.5	AV	N	GND
0.381751	29.20	10.7	48	19.0	AV	N	GND
0.553370	37.90	10.7	46	8.1	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

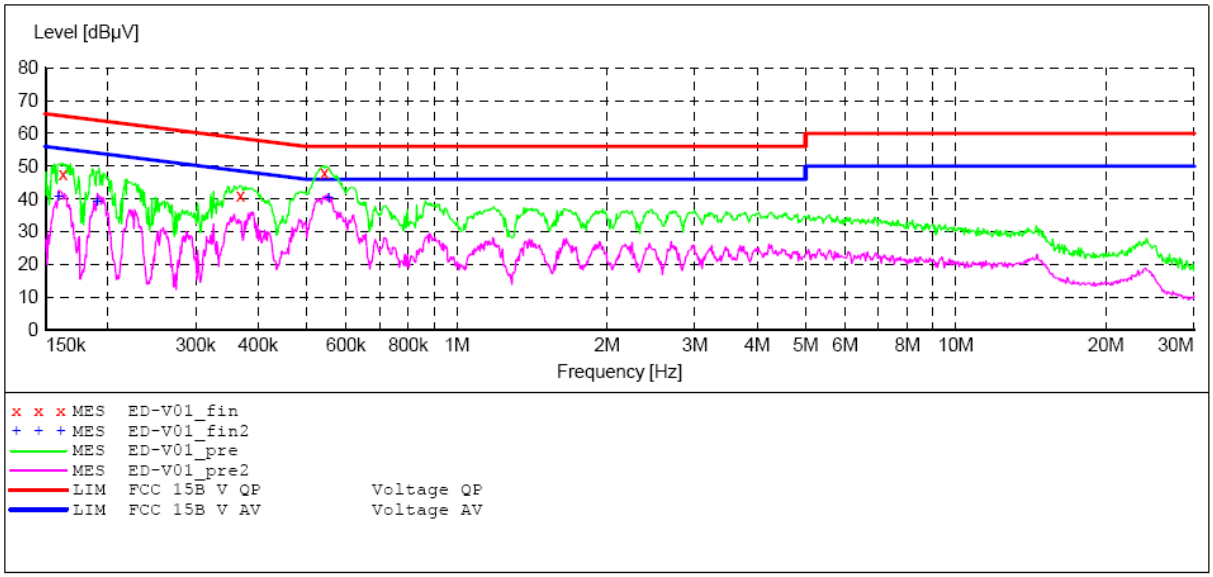
CONDUCTED EMISSION STANDARD FCC PART15

EUT: Speaker M/N:FY-28
Manufacturer: New Tech
Operating Condition: BT/Charging
Test Site: 1#Shielding Room
Operator: ALEN
Test Specification: L 120V/60Hz
Comment: Mains Port
Start of Test: 3/11/2014 / 8:47:24AM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak Average	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "ED-V01_fin"

3/11/2014 8:50AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.162467	47.70	10.5	65	17.6	QP	L1	GND
0.368279	41.00	10.7	59	17.5	QP	L1	GND
0.542434	47.80	10.7	56	8.2	QP	L1	GND

MEASUREMENT RESULT: "ED-V01_fin2"

3/11/2014 8:50AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.159256	40.50	10.5	56	15.0	AV	L1	GND
0.190596	39.10	10.5	54	14.9	AV	L1	GND
0.553370	40.10	10.7	46	5.9	AV	L1	GND

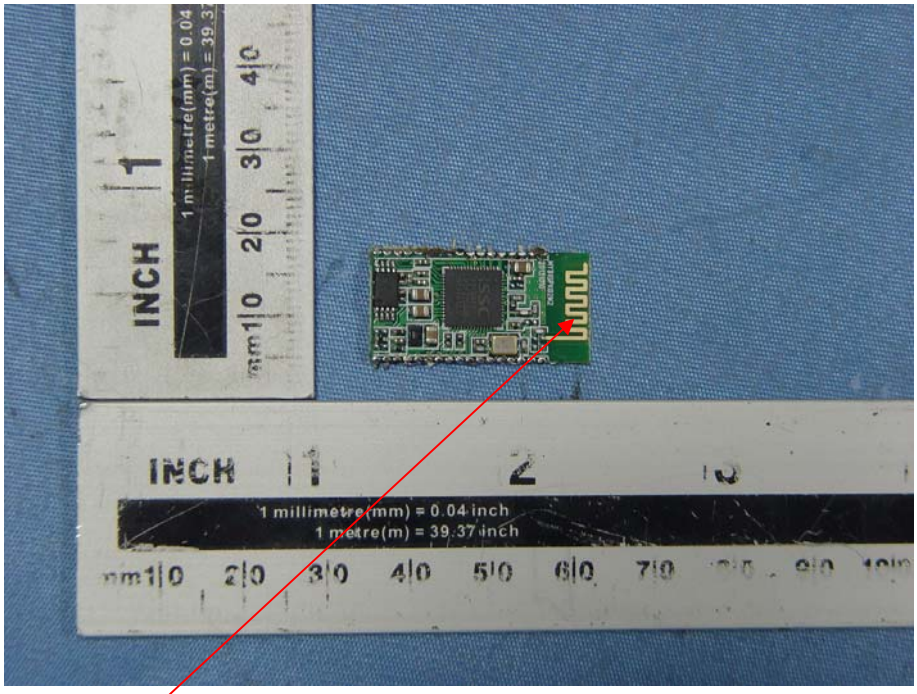
13. ANTENNA REQUIREMENT

13.1. The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

13.2. Antenna Construction

The antenna is PCB Layout antenna, no consideration of replacement. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna