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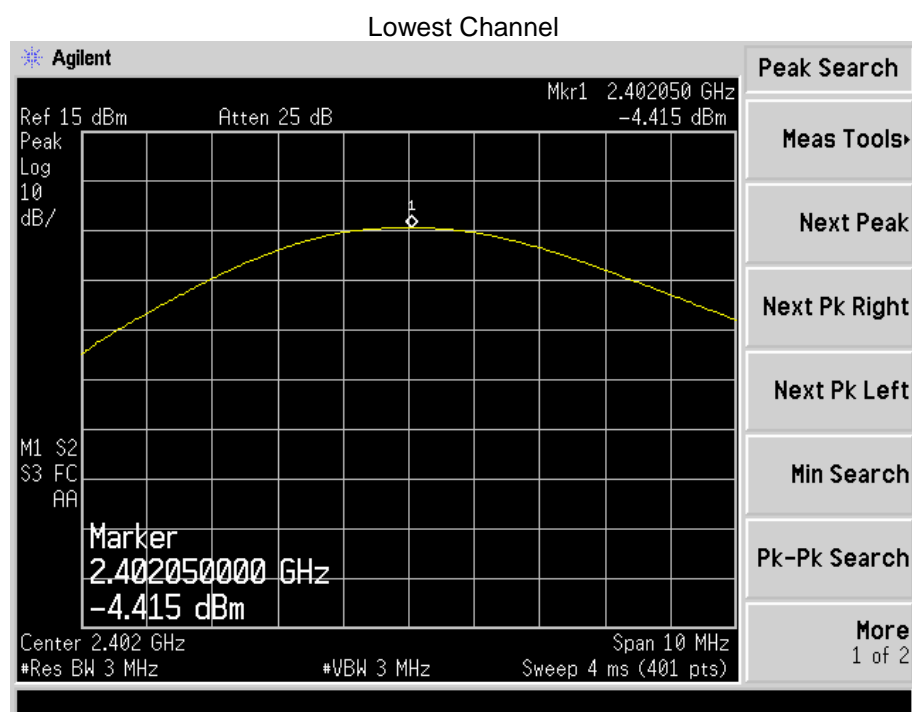
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1. Maximum Peak Conducted Output Power

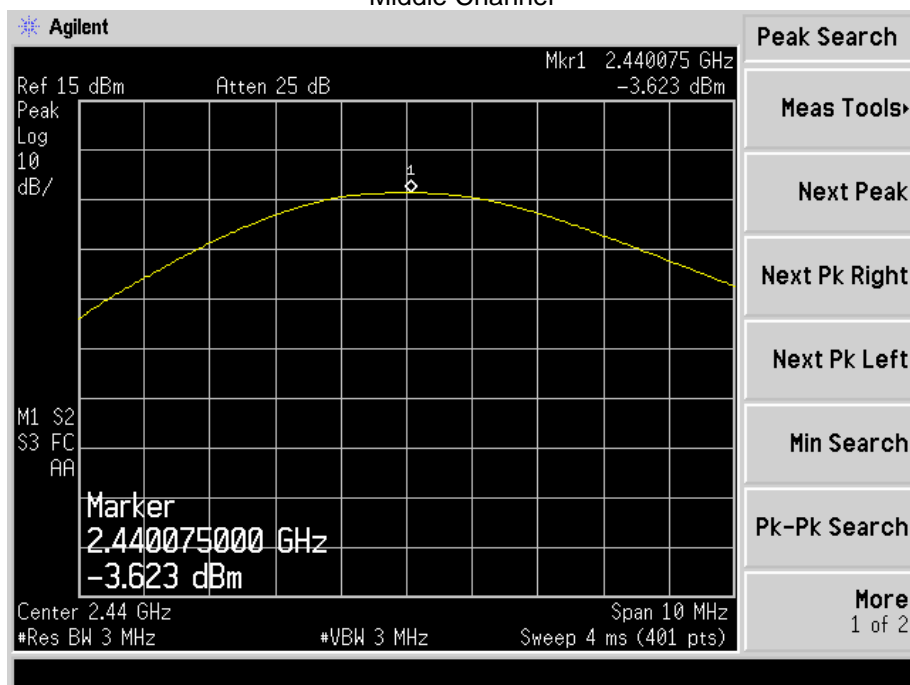
1.1 Test Datas

Test Mode	Frequency MHz	Reading dBm	Output Power mW	Limit mW
GFSK(BLE)	2402	-4.415	0.362	1000
	2440	-3.623	0.434	1000
	2480	-5.11	0.308	1000

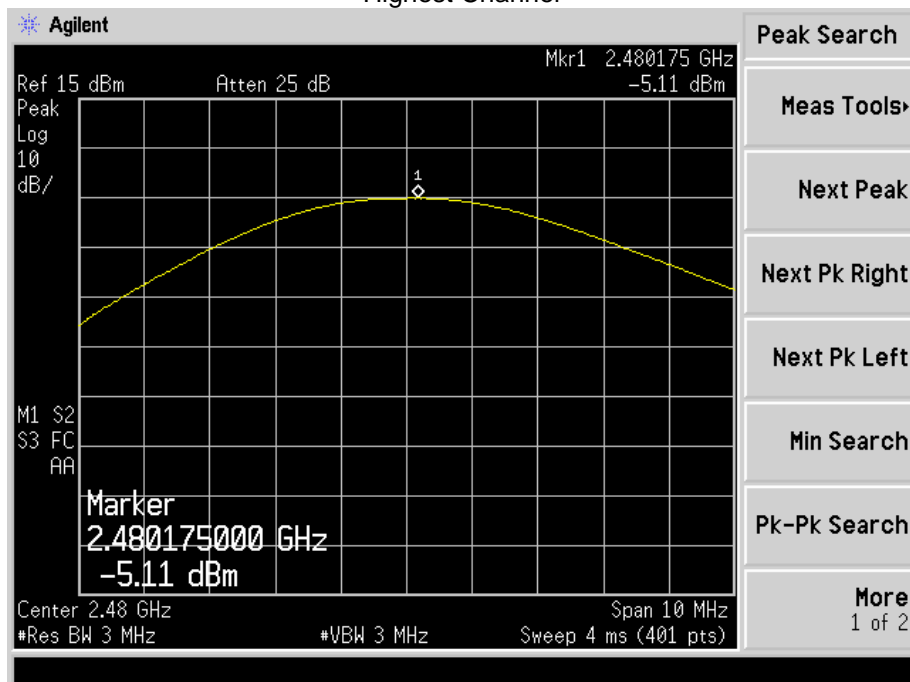
1.2 Test Plots



Middle Channel



Highest Channel



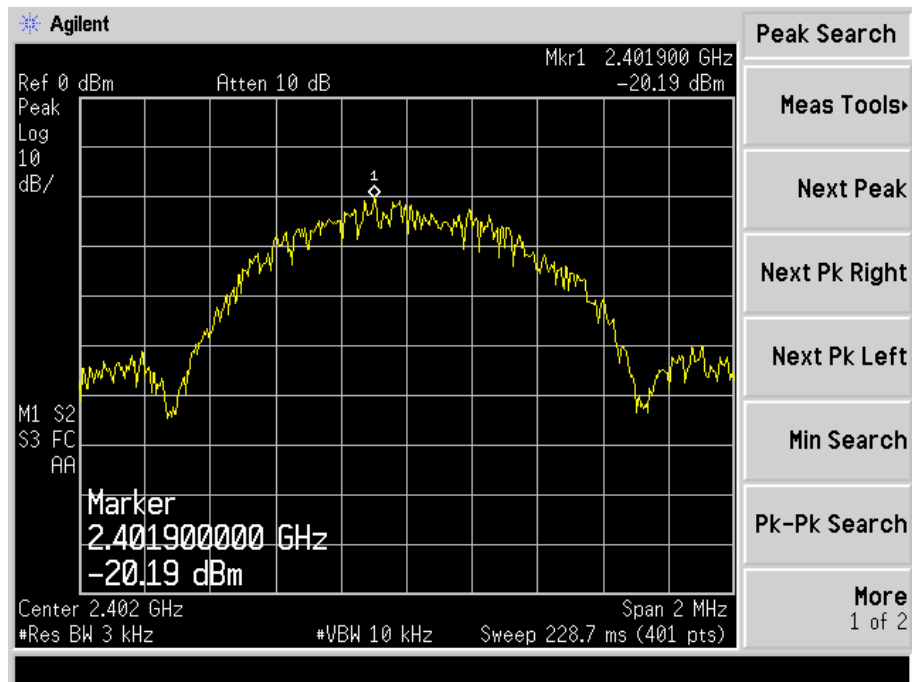
2. Conducted Power Spectral Density

2.1 Test Datas

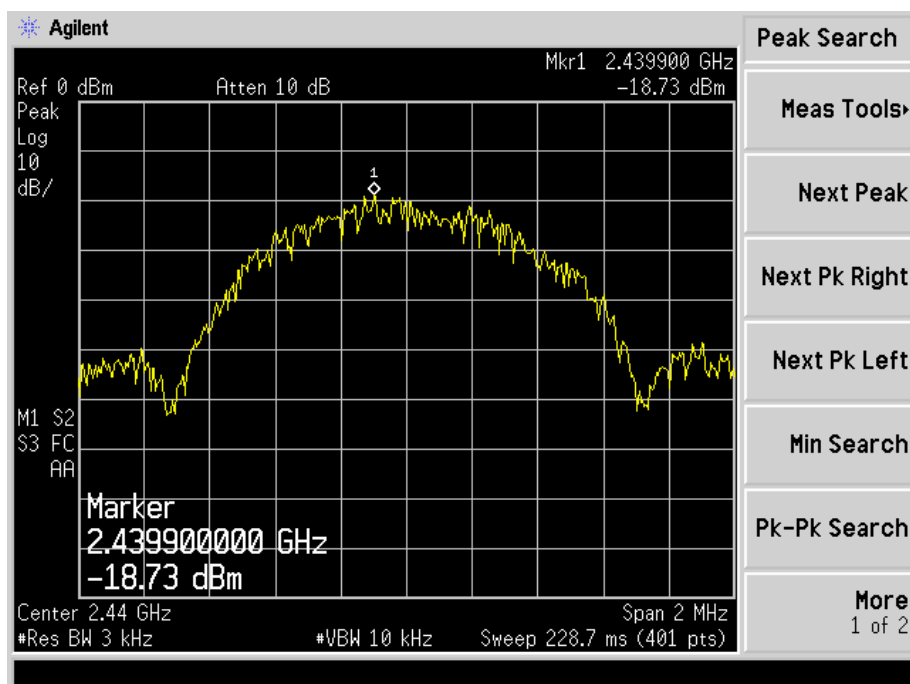
Test Mode	Test Channel MHz	Power Spectral Density dBm/3kHz	Limit dBm/3kHz
GFSK(BLE)	2402	-20.19	8
	2440	-18.73	8
	2480	-18.31	8

2.2 Test Plots

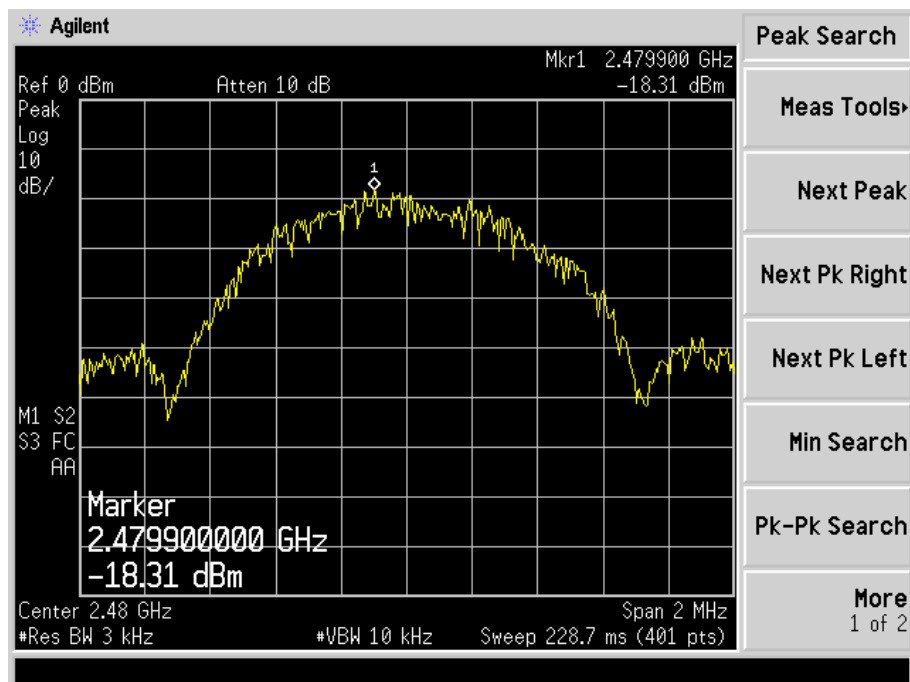
Lowest Channel



Middle Channel



Highest Channel



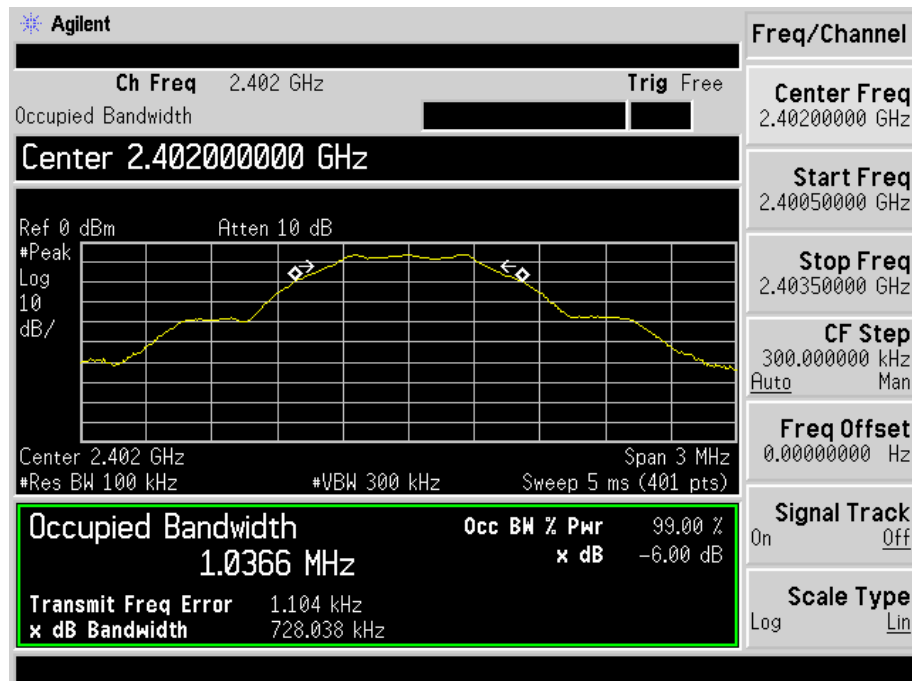
3. 6dB Bandwidth

3.1 Test Datas

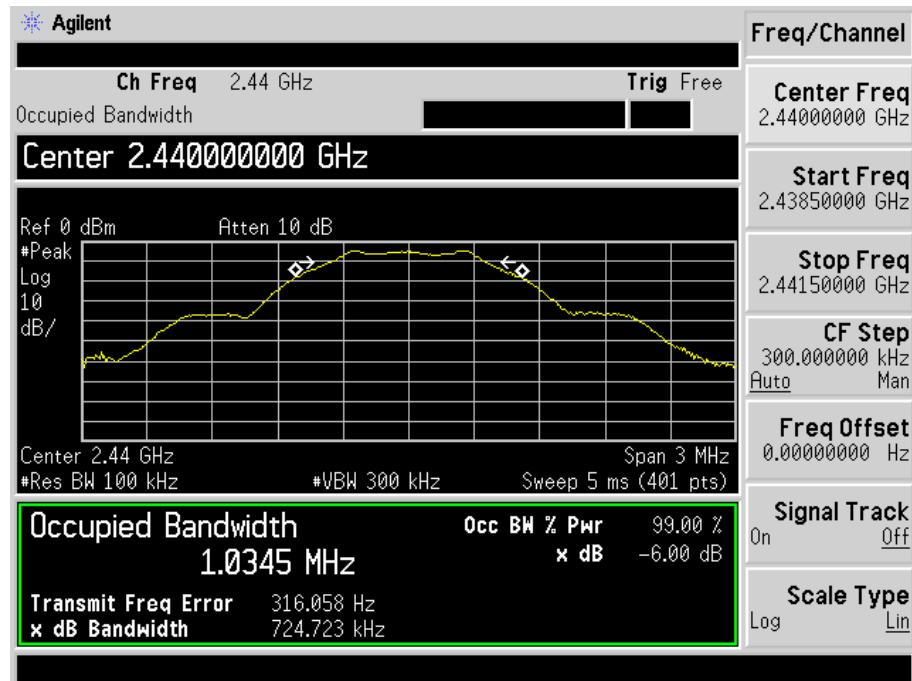
Test Mode	Test Channel MHz	6 dB Bandwidth kHz	Limit kHz
GFSK(BLE)	2402	728.038	≥500
	2440	724.723	≥500
	2480	722.853	≥500

3.2 Test Plots

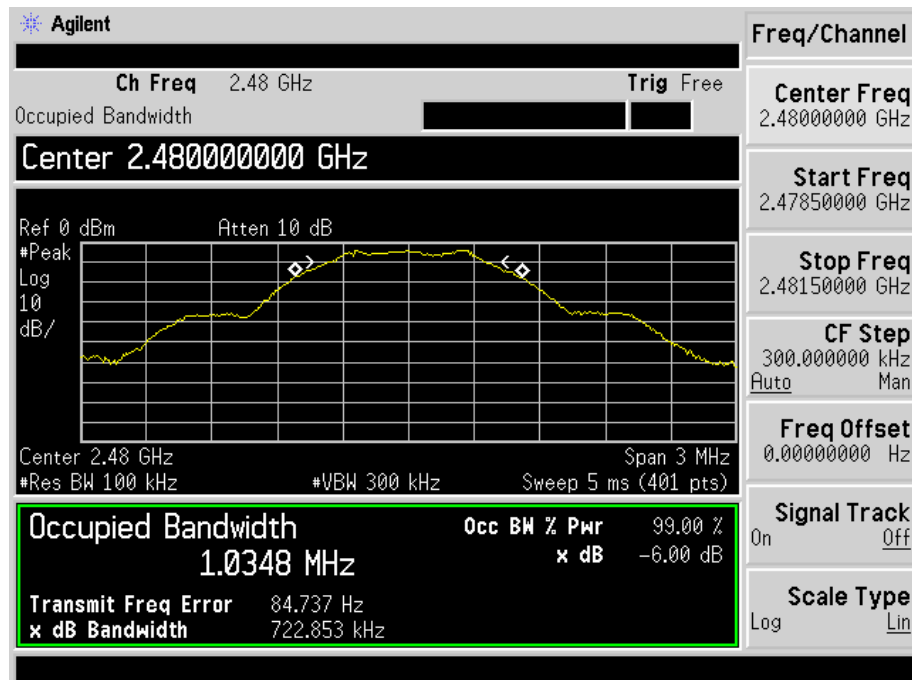
Lowest Channel



Middle Channel



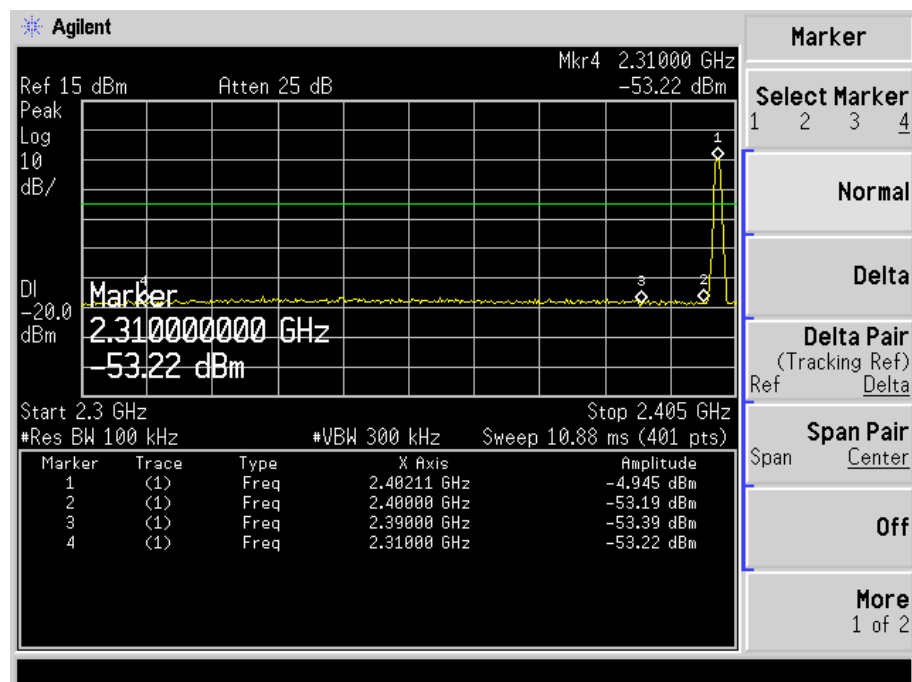
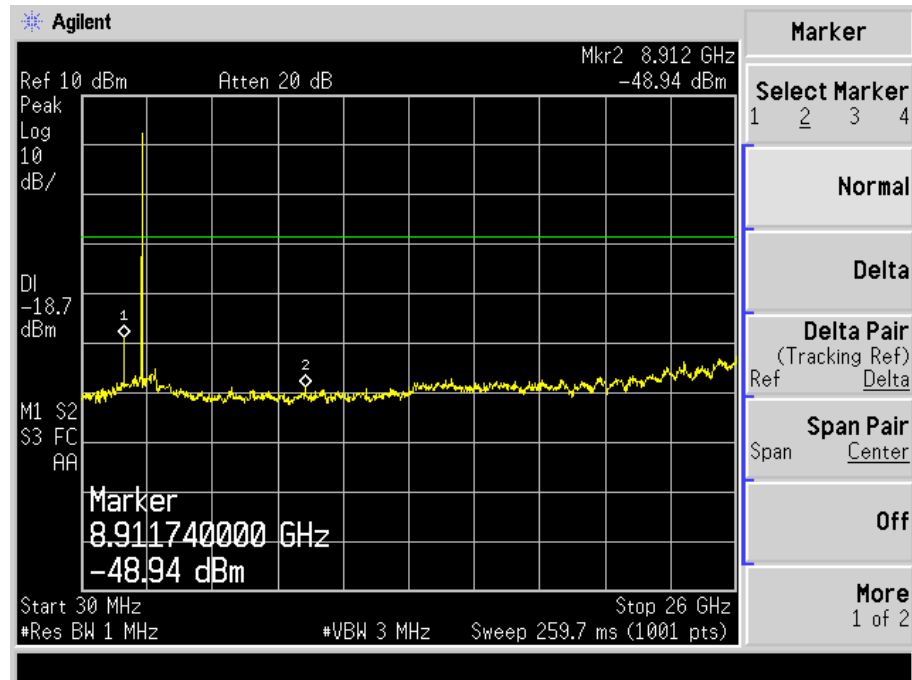
Highest Channel



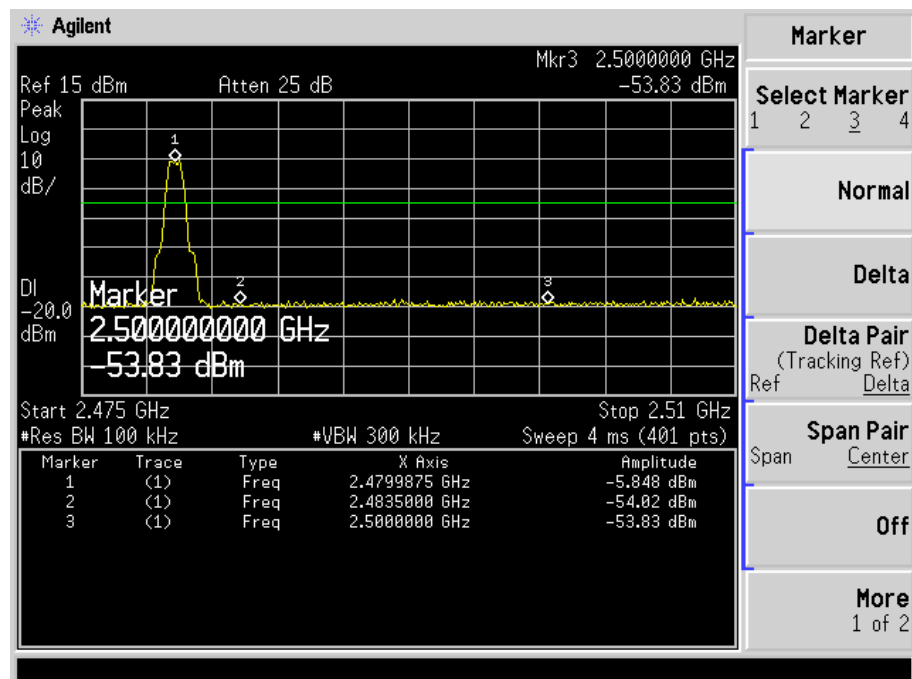
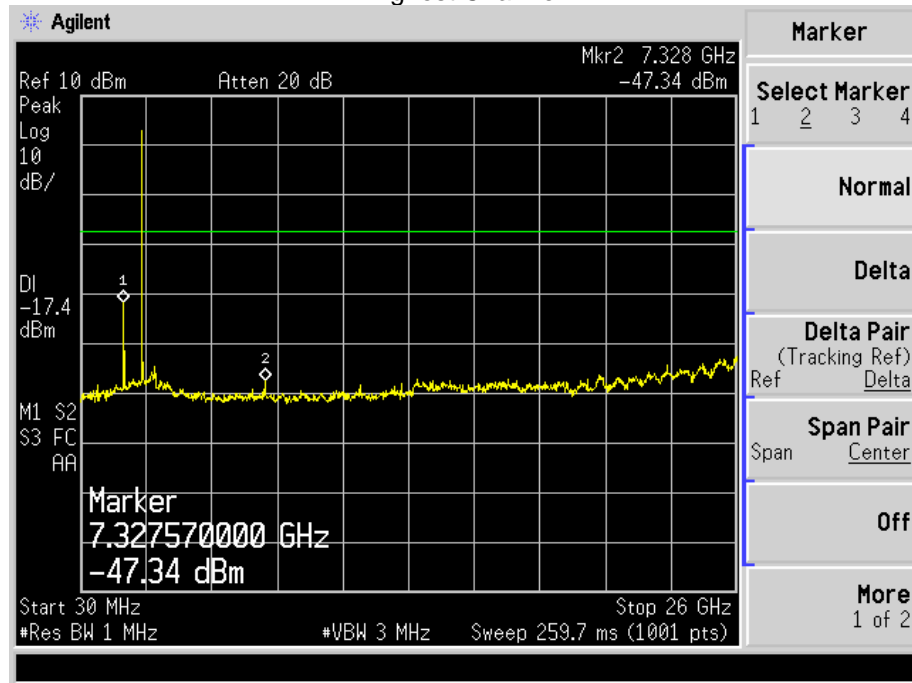
4. Conducted Spurious Emissions

4.1 Test Plots

Lowest Channel



Highest Channel

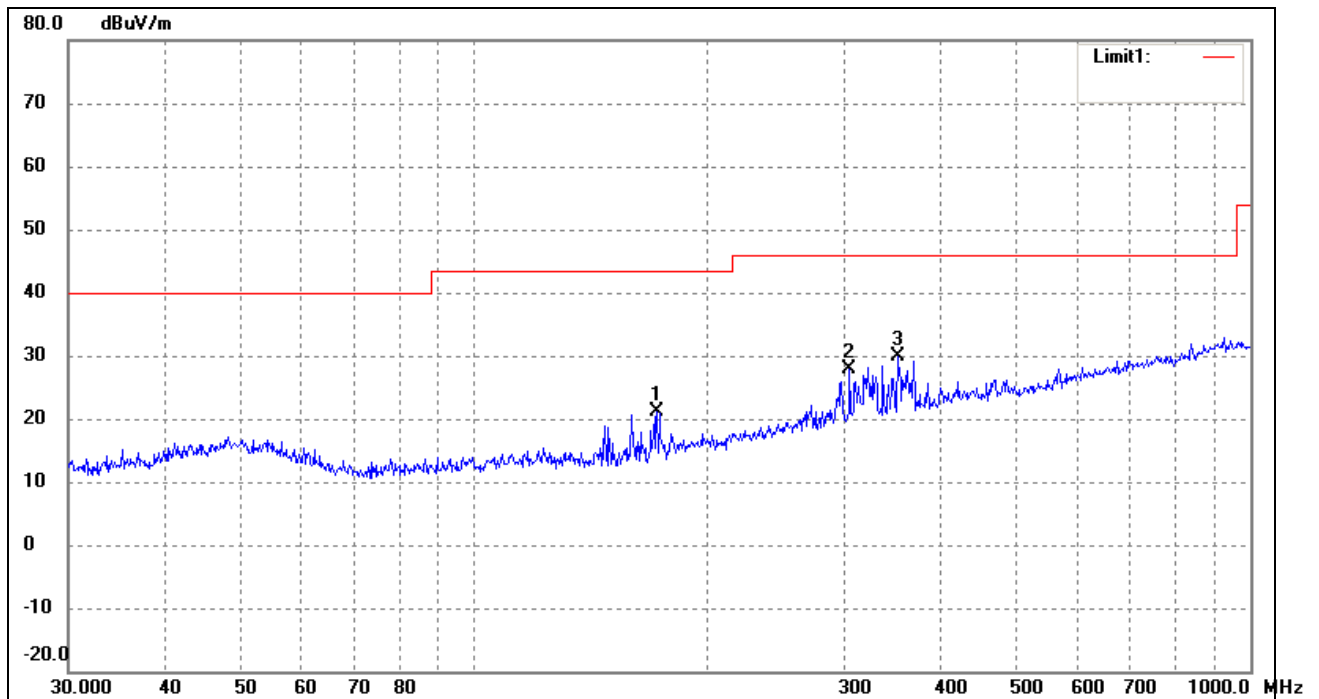


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5. Radiated Spurious Emissions

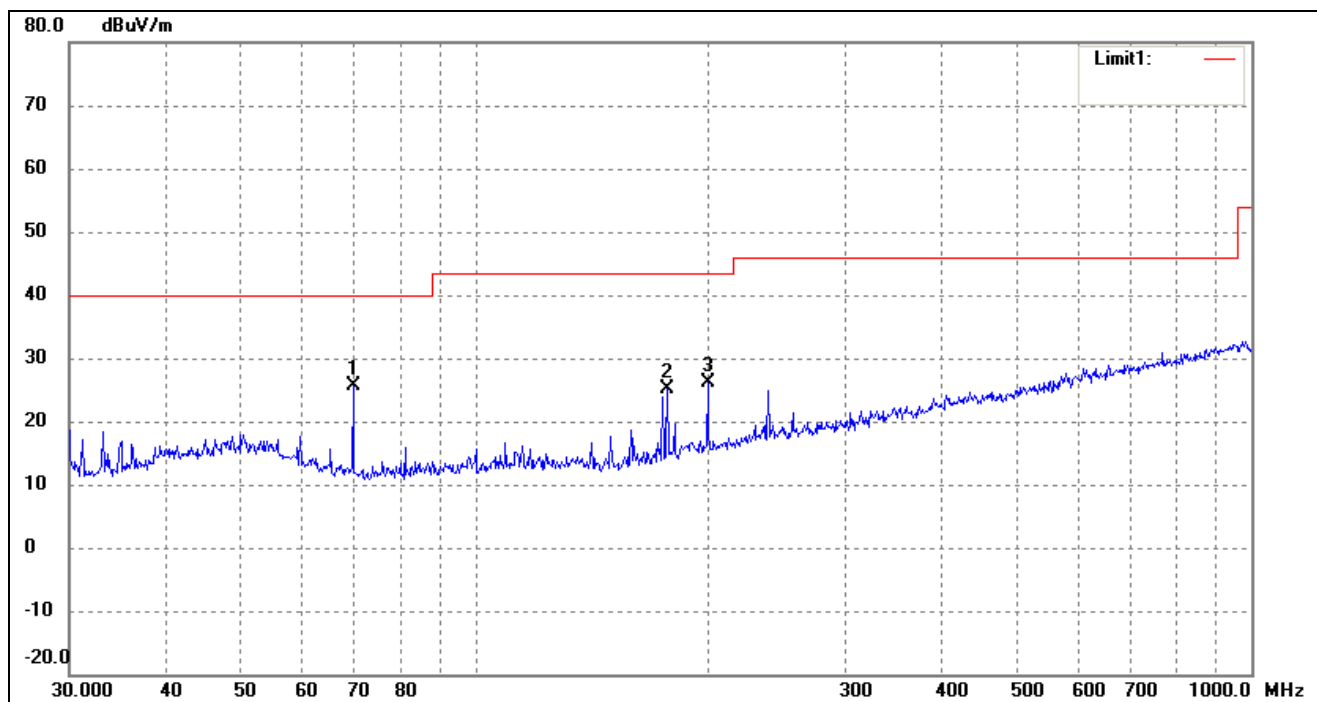
5.1 Test Datas

Spurious Emissions of 30MHz to 1GHz
EUT: Mobile Phone
Tested Model: EZ-100
Operating Condition: Transmitting-Low channel (2402MHz)
Antenna Position: Horizontal



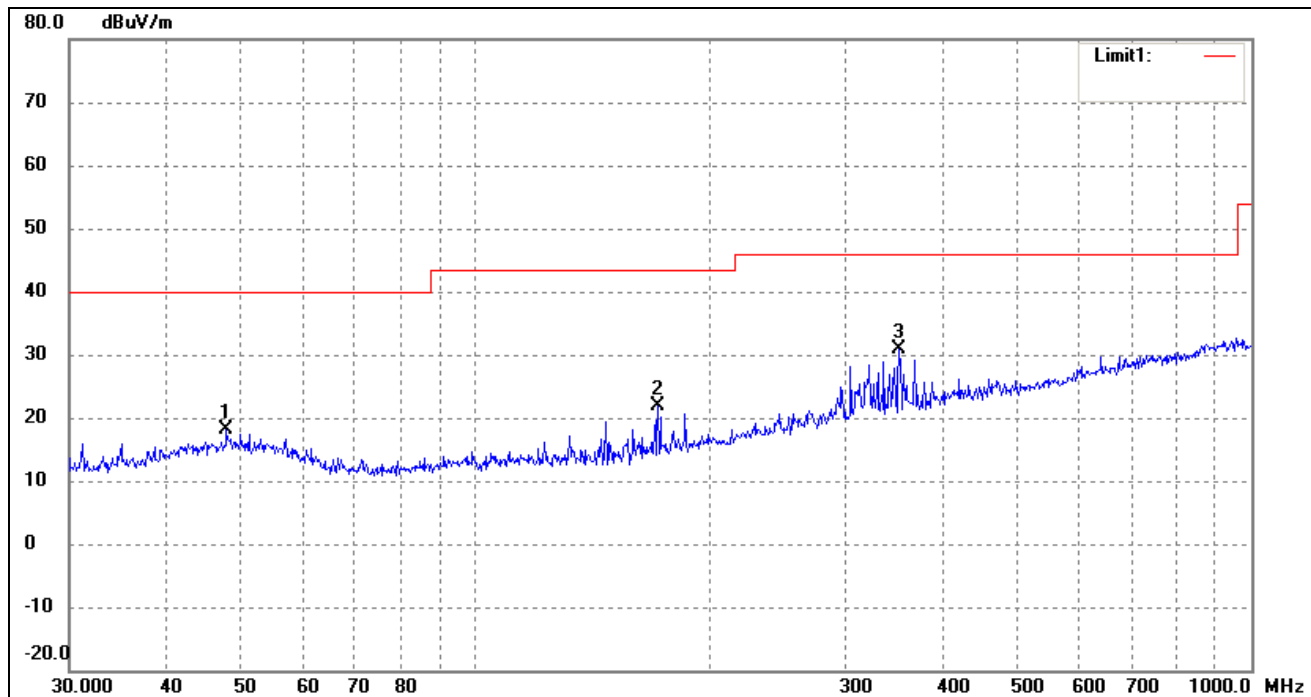
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	171.9946	31.02	-9.92	21.10	43.50	-22.40	319	100	
2	304.6100	32.83	-4.89	27.94	46.00	-18.06	270	100	
3	351.7079	33.00	-3.11	29.89	46.00	-16.11	136	100	

Antenna Position: Vertical



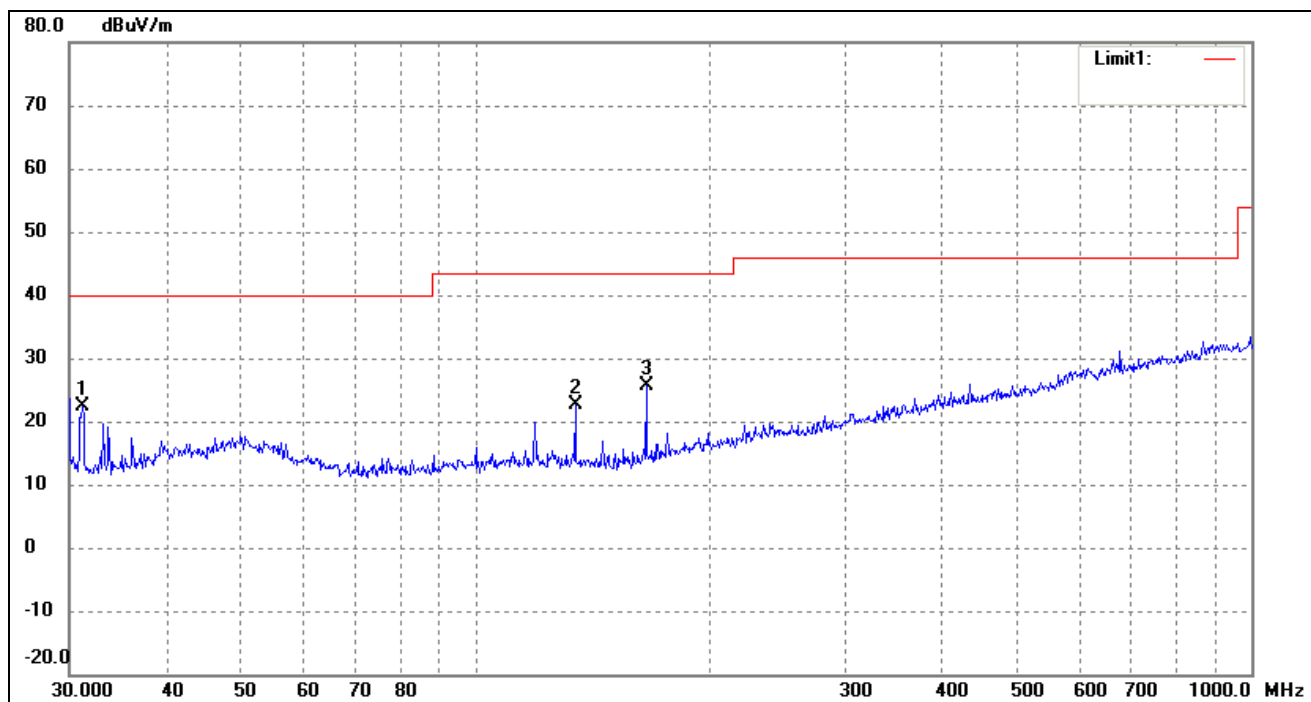
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	69.6005	38.15	-12.45	25.70	40.00	-14.30	109	100	
2	176.8878	34.74	-9.51	25.23	43.50	-18.27	228	100	
3	199.2855	34.37	-8.18	26.19	43.50	-17.31	333	100	

EUT: Mobile Phone
Tested Model: EZ-100
Operating Condition: Transmitting-Middle channel (2440MHz)
Antenna Position: Horizontal



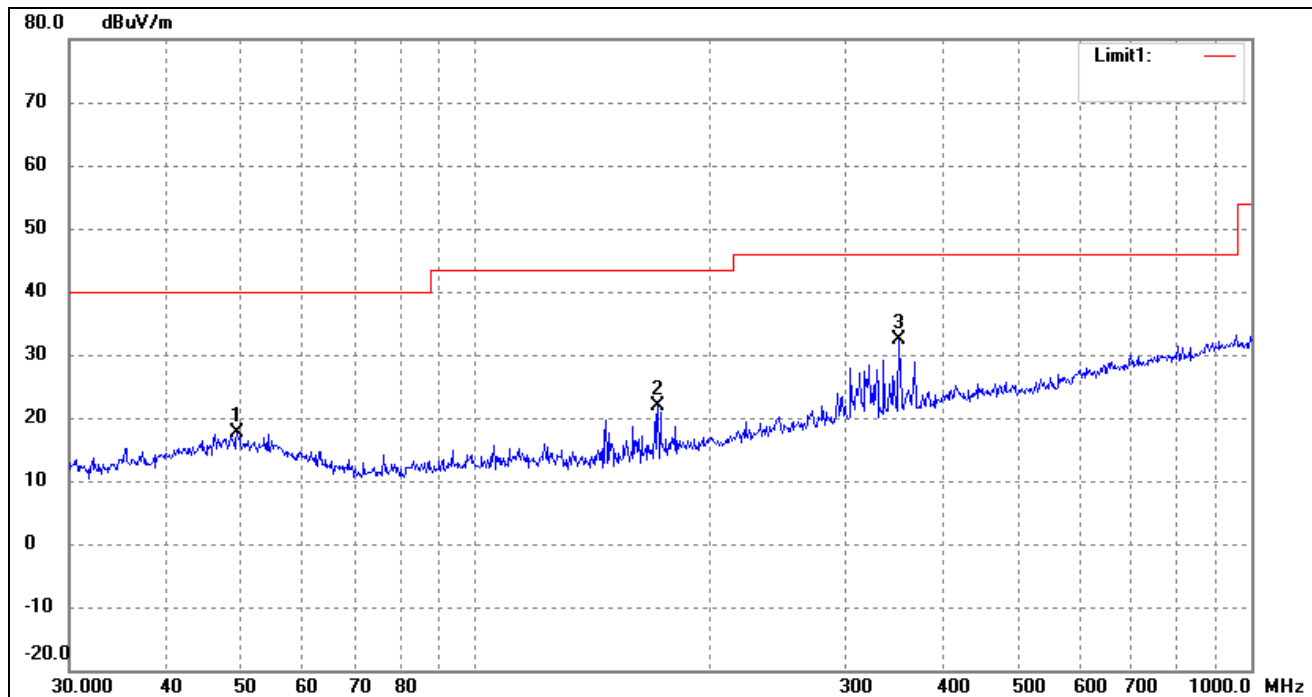
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	47.8260	26.79	-8.68	18.11	40.00	-21.89	148	100	
2	171.9946	31.85	-9.92	21.93	43.50	-21.57	199	100	
3	351.7079	34.07	-3.11	30.96	46.00	-15.04	201	100	

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	31.1798	33.42	-11.15	22.27	40.00	-17.73	237	100	
2	134.5592	33.41	-10.80	22.61	43.50	-20.89	135	100	
3	166.0680	35.81	-10.26	25.55	43.50	-17.95	62	100	

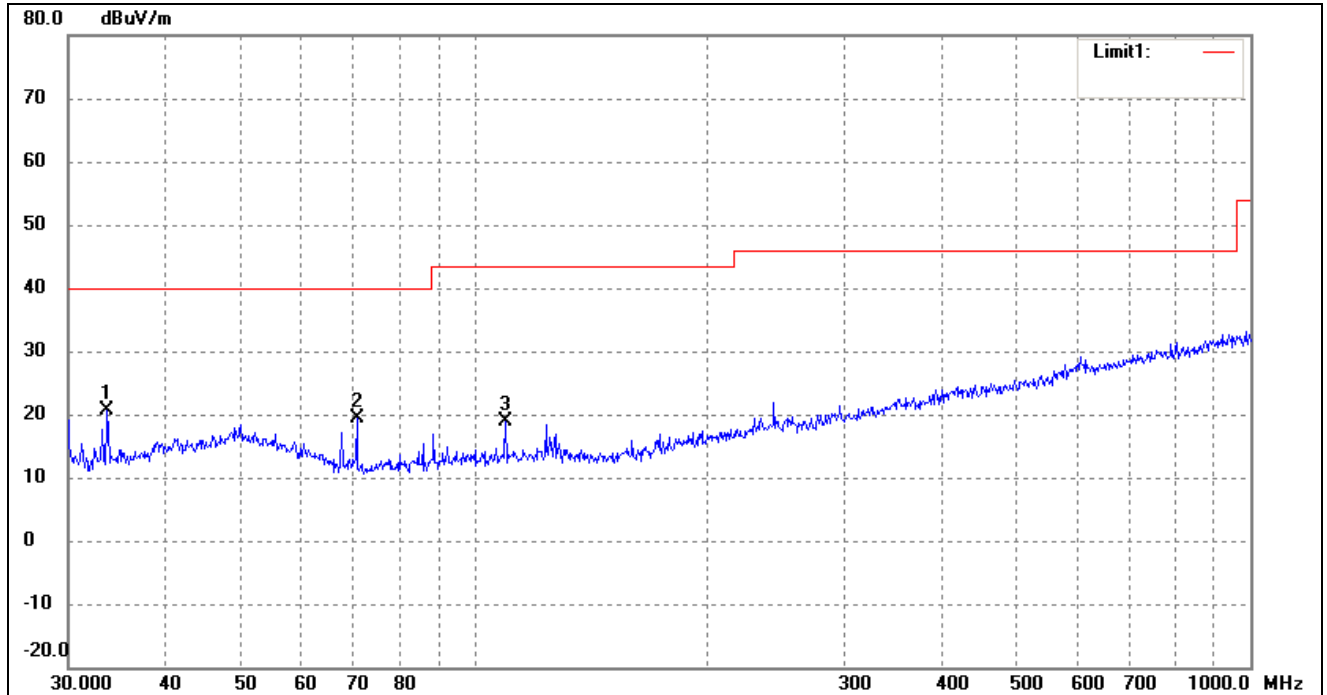
EUT: Mobile Phone
Tested Model: EZ-100
Operating Condition: Transmitting-High channel (2480MHz)
Antenna Position: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	49.3594	26.01	-8.45	17.56	40.00	-22.44	227	100	
2	171.9946	31.91	-9.92	21.99	43.50	-21.51	126	100	
3	351.7079	35.49	-3.11	32.38	46.00	-13.62	326	100	

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Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (°)	Height (cm)	Remark
1	33.6803	31.29	-10.77	20.52	40.00	-19.48	360	100	
2	70.5836	31.92	-12.53	19.39	40.00	-20.61	284	100	
3	109.7960	29.37	-10.48	18.89	43.50	-24.61	109	100	

Radiated Spurious Emissions Above 1GHz

Frequency (MHz)	Reading (dBuV/m)	Correct dB	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Polar H/V	Detector
Lowest Channel-2402MHz							
4804	55.45	-3.59	51.86	74	-22.14	H	PK
4804	50.00	-3.59	46.41	54	-7.59	H	AV
7206	55.45	-0.52	54.93	74	-19.07	H	PK
7206	49.09	-0.52	48.57	54	-5.43	H	AV
4804	57.27	-3.59	53.68	74	-20.32	V	PK
4804	41.82	-3.59	38.23	54	-15.77	V	AV
7206	57.27	-0.52	56.75	74	-17.25	V	PK
7206	48.18	-0.52	47.66	54	-6.34	V	AV
Middle Channel-2440MHz							
4882	53.64	-3.49	50.15	74	-23.85	H	PK
4882	50.00	-3.49	46.51	54	-7.49	H	AV
7323	59.09	-0.47	58.62	74	-15.38	H	PK
7323	41.82	-0.47	41.35	54	-12.65	H	AV
4882	58.18	-3.49	54.69	74	-19.31	V	PK
4882	41.82	-3.49	38.33	54	-15.67	V	AV
7323	56.36	-0.47	55.89	74	-18.11	V	PK
7323	45.45	-0.47	44.98	54	-9.02	V	AV
Highest Channel-2480MHz							
4960	52.73	-3.41	49.32	74	-24.68	H	PK
4960	41.82	-3.41	38.41	54	-15.59	H	AV
7440	57.27	-0.42	56.85	74	-17.15	H	PK
7440	47.27	-0.42	46.85	54	-7.15	H	AV
4960	60.00	-3.41	56.59	74	-17.41	V	PK
4960	45.45	-3.41	42.04	54	-11.96	V	AV
7440	52.73	-0.42	52.31	74	-21.69	V	PK
7440	43.64	-0.42	43.22	54	-10.78	V	AV

Note:

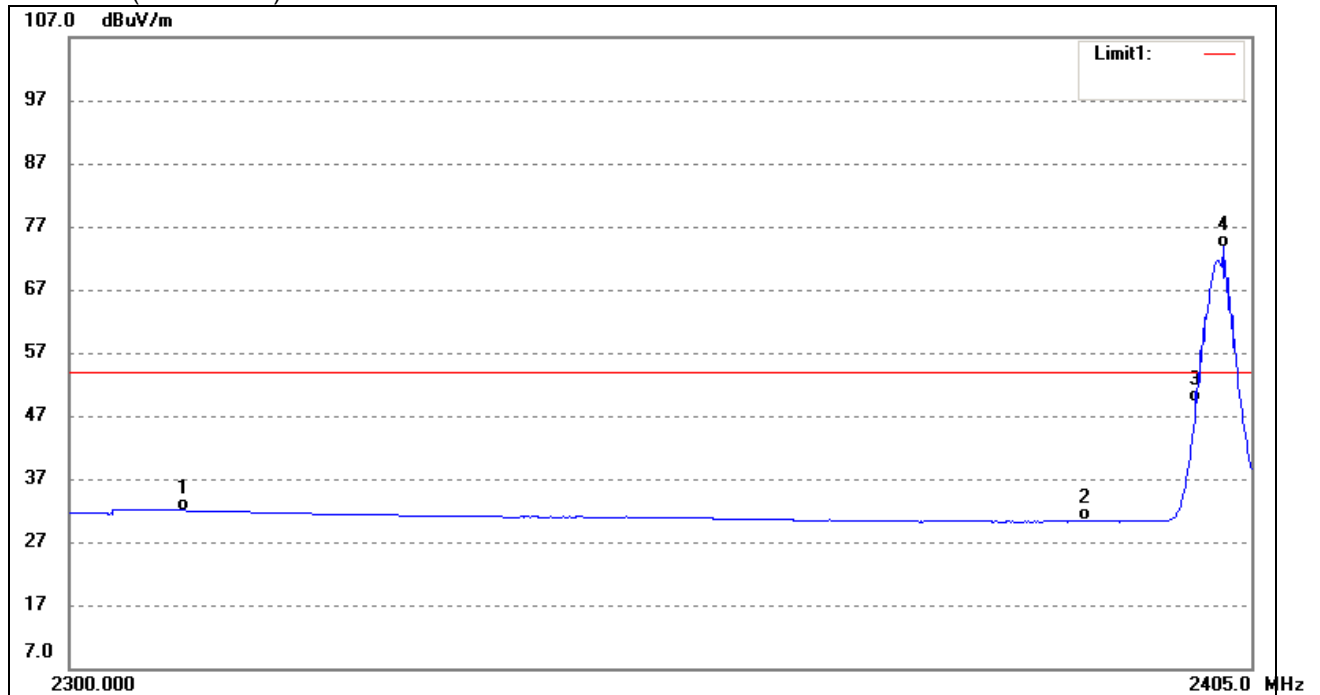
- 1, The EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test set-up photos.
- 2, Testing is carried out with frequency rang 9kHz to the tenth harmonics.
- 3, The margin is greater than 20 dB are not shown in this Appendix.

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5.2 Bandedge

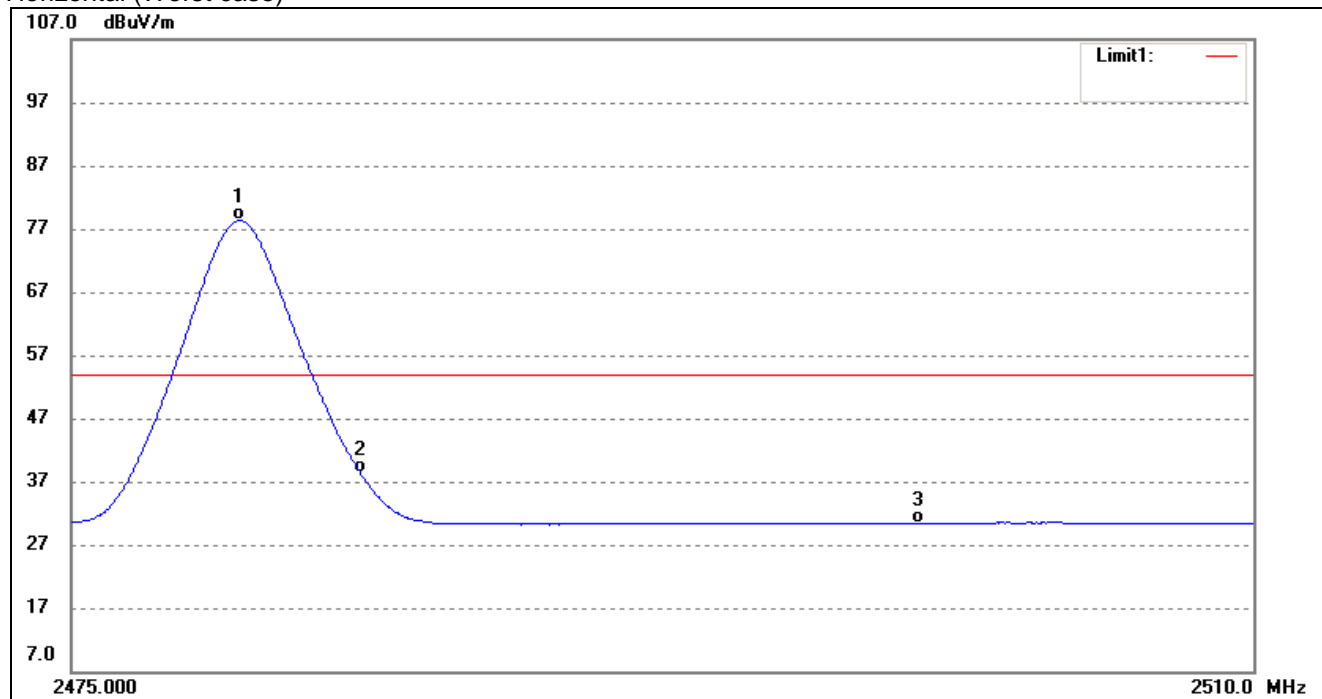
5.2.1 Test Datas

Lowest Channel
Horizontal (Worst case)



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	35.35	-3.35	32.00	54.00	-22.00	Average Detector
	2310.000	46.08	-3.35	42.73	74.00	-31.27	Peak Detector
2	2390.000	34.56	-4.29	30.27	54.00	-23.73	Average Detector
	2390.000	45.78	-4.29	41.49	74.00	-32.51	Peak Detector
3	2400.000	53.53	-4.40	49.13	54.00	-4.87	Average Detector
	2400.000	62.34	-4.40	57.94	74.00	-16.06	Peak Detector
4	2402.425	78.18	-4.43	73.75	/	/	Average Detector
	2402.103	81.28	-4.42	76.86	/	/	Peak Detector

Highest Channel
Horizontal (Worst case)



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2479.940	82.72	-4.36	78.36	/	/	Average Detector
	2479.696	87.93	-4.36	83.57	/	/	Peak Detector
2	2483.500	42.64	-4.36	38.28	54.00	-15.72	Average Detector
	2483.500	50.79	-4.36	46.43	74.00	-27.57	Peak Detector
3	2500.000	34.77	-4.34	30.43	54.00	-23.57	Average Detector
	2500.000	46.08	-4.34	41.74	74.00	-32.26	Peak Detector

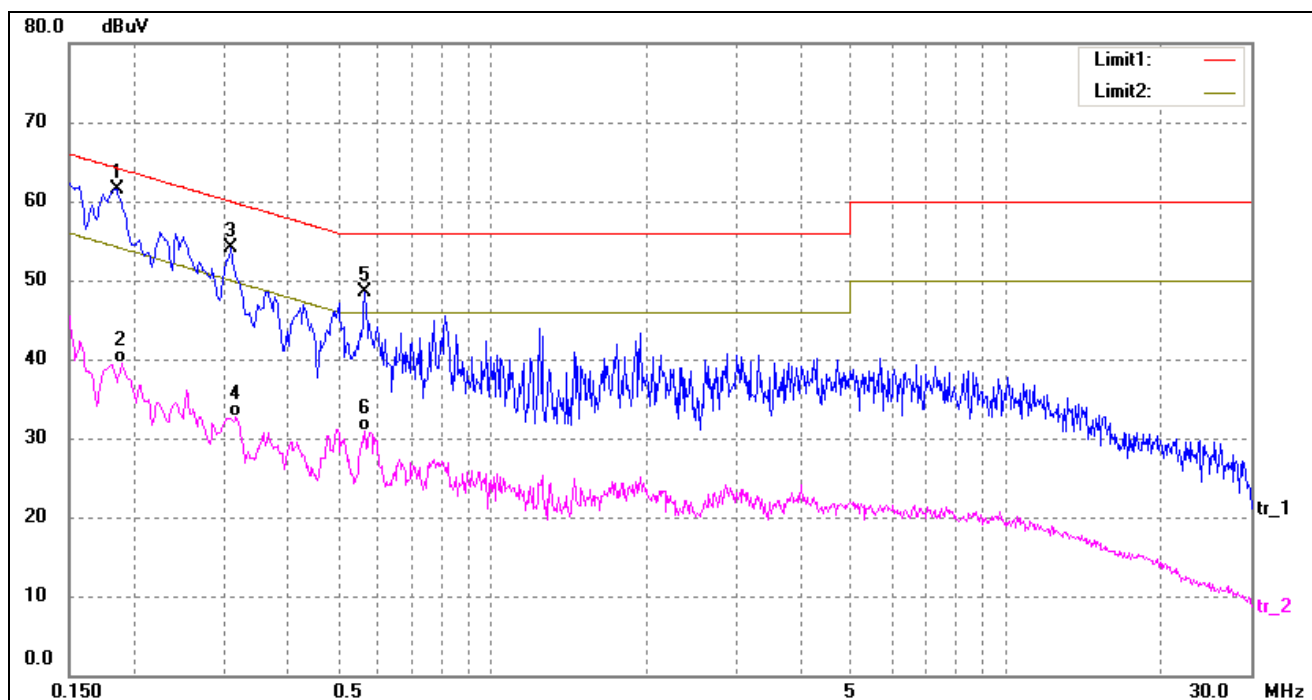
Note:

1, The EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test set-up photos.

6. Conducted Emissions on AC Mains

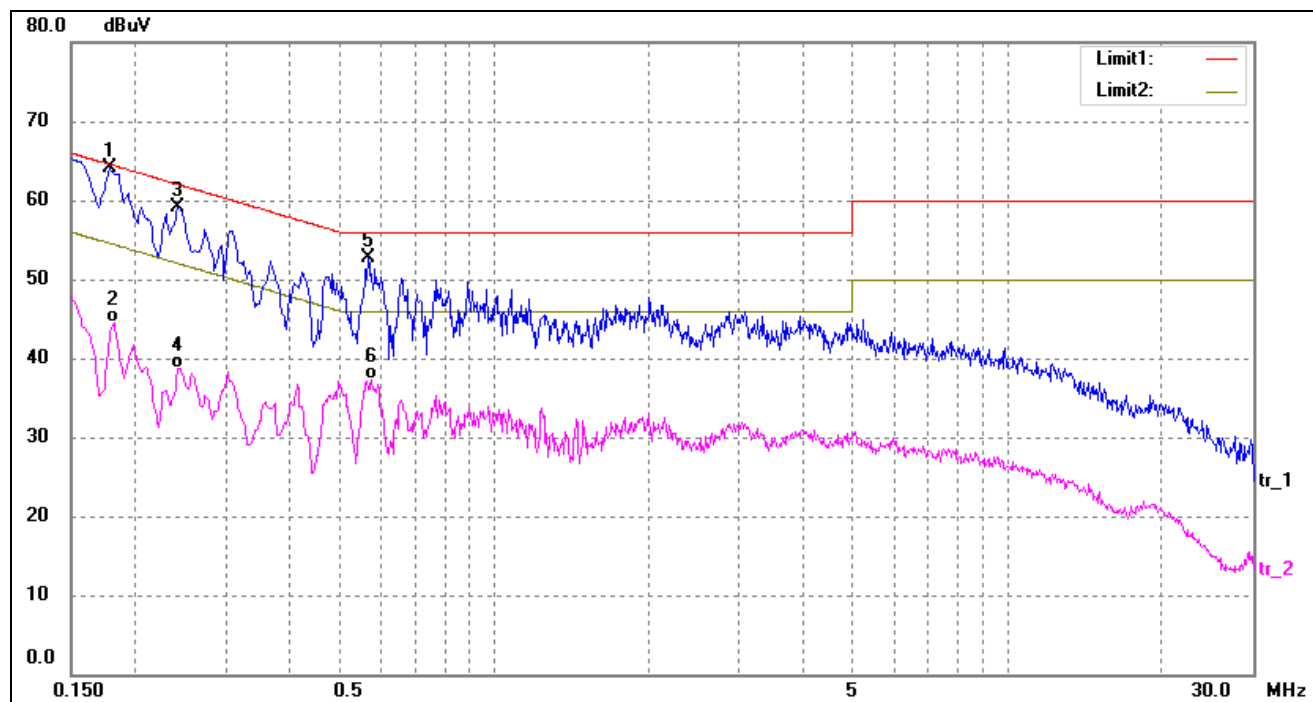
6.1 Test Datas

EUT: Mobile Phone
Tested Model: EZ-100
Operating Condition: Transmitting
Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1860	52.10	9.50	61.60	64.21	-2.61	QP
2	0.1900	29.91	9.50	39.41	54.03	-14.62	AVG
3	0.3100	44.57	9.50	54.07	59.97	-5.90	QP
4	0.3180	23.15	9.50	32.65	49.76	-17.11	AVG
5	0.5660	38.88	9.58	48.46	56.00	-7.54	QP
6	0.5660	21.38	9.58	30.96	46.00	-15.04	AVG

Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1780	54.52	9.50	64.02	64.57	-0.55	QP
2	0.1819	35.04	9.50	44.54	54.39	-9.85	AVG
3	0.2420	49.55	9.50	59.05	62.02	-2.97	QP
4	0.2420	29.11	9.50	38.61	52.02	-13.41	AVG
5	0.5700	43.19	9.58	52.77	56.00	-3.23	QP
6	0.5780	27.81	9.58	37.39	46.00	-8.61	AVG