Intermodulation:

GSM Signal

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┌──────────┐        ┌──────────┐        ┌──────────┐
│   S.G    │───────▶│   EUT    │───────▶│   S.A    │
└──────────┘   ┌───▶└──────────┘        └──────────┘
┌──────────┐   │     Max Power          Measure the band edges and
│   S.G    │───┘     Output and         spurious up to 10th hromonics
└──────────┘         Max Gain
```

Input a CW or CDMA siganl and offset positive and negitve 600KHz from the GSM siganl within repeater operating band
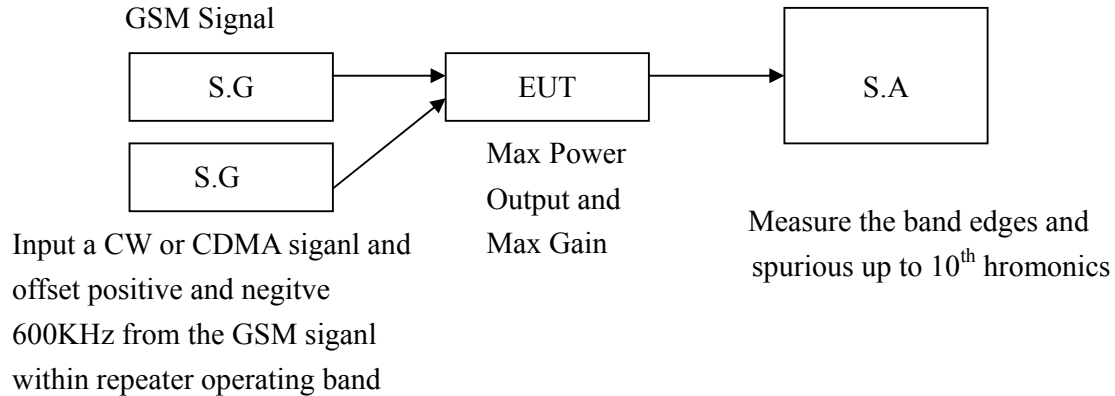
Test Procedure:
1. The EUT was connected respectively to the specturm analyzer and the signal generattor (CMU200) which generarted a CW and CMDA signal.
2. Set the EUT maximum gain and output power.
3. Inputed a GSM frequency at 1850.2MHz from CMU200 and a CW frequecny at 1850.8MHz (Offsets 600KHz from the 1850.2MHZ)from another one.
4. Measured and recorded for the lower band edge at 1850MHz and spurious up to the10th hromonics.
5. Measured and recorded for the upper band edge at 1910MHz and spurious up to the10th hromonics.
6. Repeatedly measured above steps for GSM and CDMA.

Test Results for band edge and spurious :

Mode		GSM Freq(MHz)	CW/CDMA Freq(MHz)	CW/CDMA Input(dBm)	CW/CDMA Output(dBm)	limit line (dBm)	Results
Input siganl GSM and CW	Uplink	1850.2	1850.8	-35.81	6.93	-13	PASS
		1909.8	1909.2	-29.61	6.98	-13	PASS
	Downlink	1930.2	1930.8	-32.95	6.93	-13	PASS
		1989.8	1989.2	-37.25	6.91	-13	PASS
Input siganl GSM and CDMA	Uplink	1850.2	1850.8	-34.47	6.91	-13	PASS
		1909.8	1909.2	-30.02	6.96	-13	PASS
	Downlink	1930.2	1930.8	-30.00	6.96	-13	PASS
		1989.8	1989.2	-38.09	6.93	-13	PASS