

Appendix

4.4 Out-of-Band Conducted Emissions FCC Rule 15.247(c):

Requirements

In any 100 kHz bandwidth outside the EUT passband, the RF power shall be at least 20 dB below that of the maximum in-band 100 kHz emission.

Procedure

A spectrum analyzer was connected to the antenna port of the transmitter. Analyzer Resolution Bandwidth was set to 100 kHz. For each channel investigated, the in-band and out-of-band emission measurements were performed. The out-of-band emissions were measured from 10 MHz to 40 GHz.

Test Result

Refer to the following plots for the test result:

Low Channel

Out-of-Band conducted emissions		
Plot	Mode	Scan
4.1.1	QPSK 3/4	30 MHz – 5 GHz
4.1.2	QPSK 3/4	5 GHz – 5.725 GHz
4.1.3	QPSK 3/4	5.725 GHz – 5.85 GHz
4.1.4	QPSK 3/4	5.85 GHz – 10 GHz
4.1.5	QPSK 3/4	10 GHz – 40 GHz
4.1.6	QAM 16	1 GHz – 5 GHz
4.1.7	QAM 16	5 GHz – 5.725 GHz
4.1.8	QAM 16	5.725 GHz – 5.85 GHz
4.1.9	QAM 8	5 GHz – 5.725 GHz
4.1.10	QAM 8	5.725 GHz – 5.85 GHz
4.1.11	QPSK 1/2	5 GHz – 5.725 GHz
4.1.12	QPSK 1/2	5.725 GHz – 5.85 GHz

Middle Channel

Out-of-Band conducted emissions		
Plot	Mode	Scan
4.2.1	QPSK 3/4	30 MHz – 1 GHz
4.2.2	QPSK 3/4	1 GHz – 5.725 GHz
4.2.3	QPSK 3/4	5.725 GHz – 5.85 GHz
4.2.4	QPSK 3/4	5.85 GHz – 10 GHz
4.2.5	QPSK 3/4	10 GHz – 40 GHz

Hi Channel

Out-of-Band conducted emissions		
Plot	Mode	Scan
4.3.1	QPSK 3/4	30 MHz – 1 GHz
4.3.2	QPSK 3/4	1 GHz – 5.725 GHz
4.3.3	QPSK 3/4	5.725 GHz – 5.85 GHz
4.3.4	QPSK 3/4	5.85 GHz – 10 GHz
4.3.5	QPSK 3/4	10 GHz – 40 GHz
4.3.6	QAM 16	5.725 GHz – 5.85 GHz
4.3.7	QAM 16	5.85 GHz – 10 GHz
4.3.8	QAM 8	5.725 GHz – 5.85 GHz
4.3.9	QAM 8	5.85 GHz – 10 GHz
4.3.10	QPSK 1/2	5.725 GHz – 5.85 GHz
4.3.11	QPSK 1/2	5.85 GHz – 10 GHz























































