

08/28/02 **FCC Measurement****Compliance Certification Services, Morgan Hill Open Field Site**

Test Engr: Thu Chan
Project #: 02c1416-1
Company: Casil Research & Development Co., Ltd.
EUT Descrip.: 315MHz Wireless Remote Control Device (Transmitter)
Test Target: FCC Class B
Mode Oper: Tx

Equipment for 1-22 GHz:

HP8566B Analyzer
 Miteq NSP2600-44 Preamp
 EMCO 3115 Antenna
 Cable: 15.0 feet

Equipment for 22 - 58 GHz:

HP8566B Analyzer
 HP 11975A Amplifier (LO)
 HP 11970K External mixer/antenna
 Cable: IF Only (321 MHz)

Peak Measurements:

1 MHz Resolution Bandwidth
 1MHz Video Bandwidth

Average Measurements:

1MHz Resolution Bandwidth
 10Hz Video Bandwidth

f GHz	Dist feet	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	HPF	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m	Avg Lim dBuV/m	Pk Mar dB	Avg Mar dB	Notes															
1.260	3.3	65.0		25.1	2.7	-36.5	-9.5	0.0	46.9		74.0	54.0	-27.1		V															
1.575	3.3	61.0		26.0	3.1	-36.4	-9.5	0.0	44.2		74.0	54.0	-29.8		V															
1.890	3.3	55.0		27.4	3.5	-36.4	-9.5	0.0	40.0		74.0	54.0	-34.0		V															
2.205	3.3	43.0		28.4	3.7	-36.3	-9.5	0.0	29.3		74.0	54.0	-44.7		V															
2.520	3.3	43.0		29.2	3.9	-36.3	-9.5	0.0	30.3		74.0	54.0	-43.7		V															
2.835	3.3	43.0		30.4	4.1	-36.2	-9.5	0.0	31.7		74.0	54.0	-42.3		V															
3.150	3.3	43.0		31.4	4.3	-36.2	-9.5	0.0	33.0		74.0	54.0	-41.0		V															
1.260	3.3	64.0		25.1	2.7	-36.5	-9.5	0.0	45.9		74.0	54.0	-28.1		H															
1.575	3.3	60.0		26.0	3.1	-36.4	-9.5	0.0	43.2		74.0	54.0	-30.8		H															
1.890	3.3	53.0		27.4	3.5	-36.4	-9.5	0.0	38.0		74.0	54.0	-36.0		H															
2.205	3.3	43.0		28.4	3.7	-36.3	-9.5	0.0	29.3		74.0	54.0	-44.7		H															
2.520	3.3	43.0		29.2	3.9	-36.3	-9.5	0.0	30.3		74.0	54.0	-43.7		H															
2.835	3.3	43.0		30.4	4.1	-36.2	-9.5	0.0	31.7		74.0	54.0	-42.3		H															
3.150	3.3	43.0		31.4	4.3	-36.2	-9.5	0.0	33.0		74.0	54.0	-41.0		H															
																f	Measurement Frequency					Amp	Preamp Gain					Avg Lim	Average Field Strength Limit	
																Dist	Distance to Antenna					D Corr	Distance Correct to 3 meters					Pk Lim	Peak Field Strength Limit	
																Read	Analyzer Reading					Avg	Average Field Strength @ 3 m					Avg Mar	Margin vs. Average Limit	
																AF	Antenna Factor					Peak	Calculated Peak Field Strength					Pk Mar	Margin vs. Peak Limit	
																CL	Cable Loss					HPF	High Pass Filter							