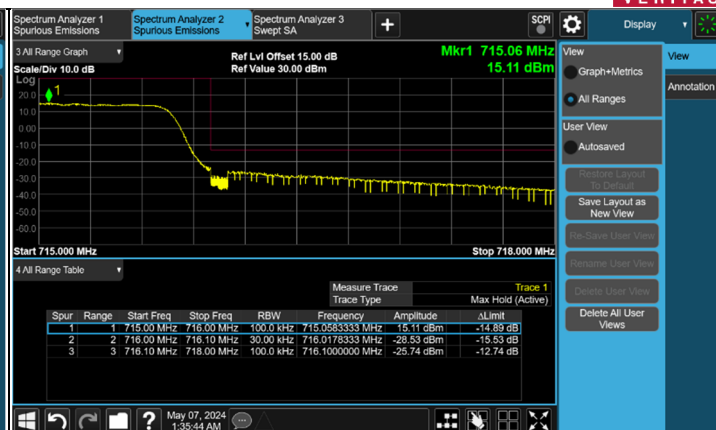
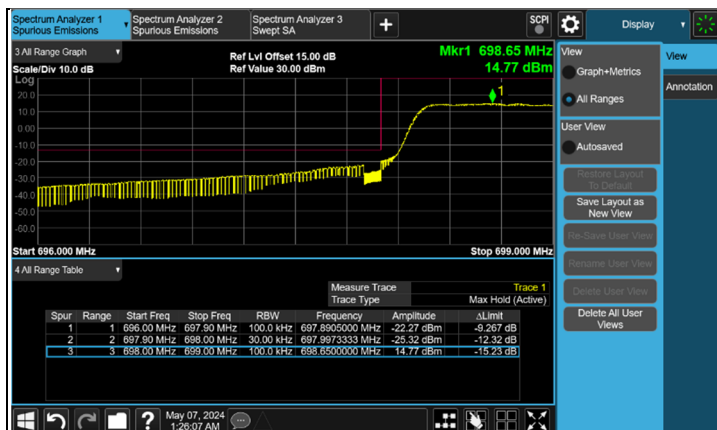


7.5.10 Cat-M1 Band 85

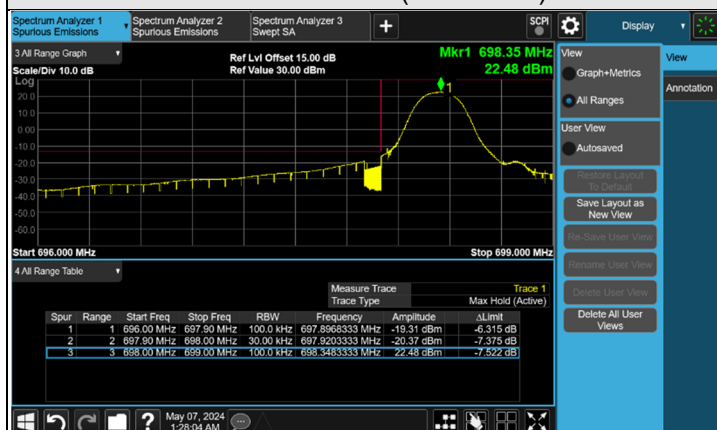
Cat-M1 Band 85, Channel Bandwidth: 5 MHz



Note: The signal at 9 kHz is IF signal from spectrum analyzer.

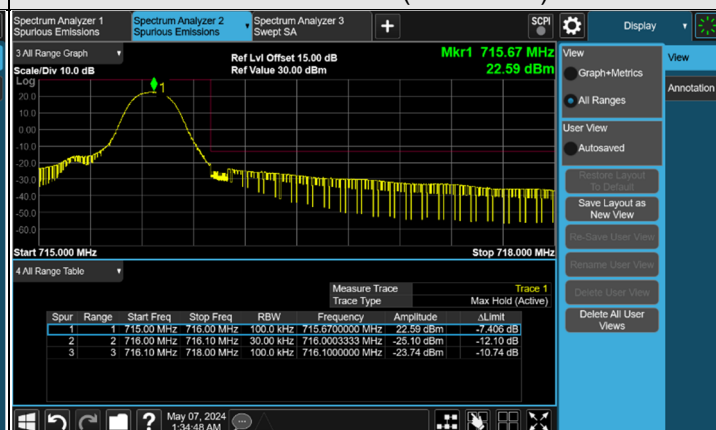


FULL CH 134027 (700.5 MHz)



1RB CH 134027 (700.5 MHz)

FULL CH 134157 (713.5 MHz)

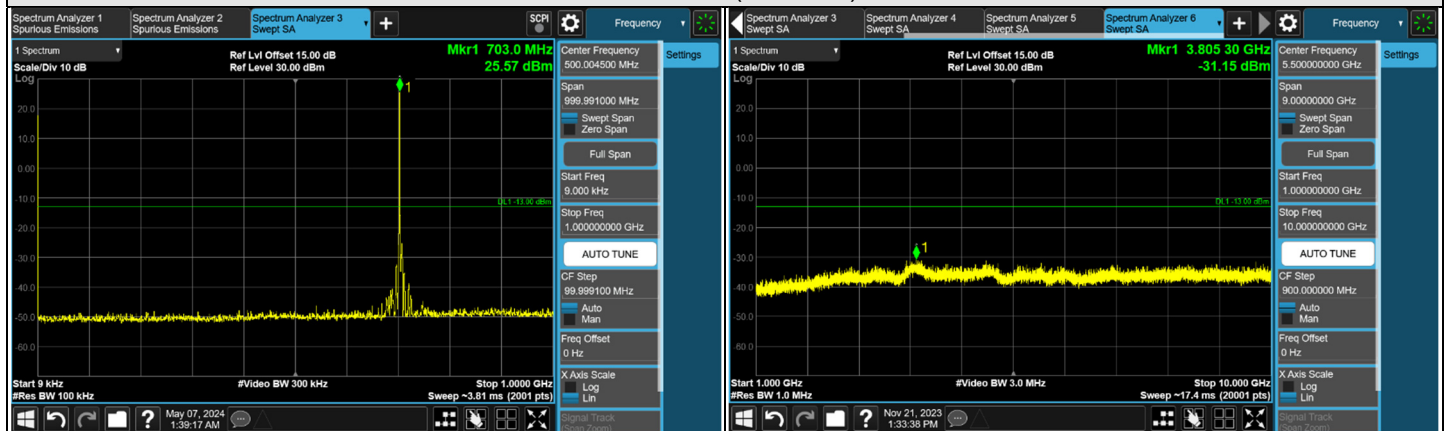


1RB CH 134157 (713.5 MHz)

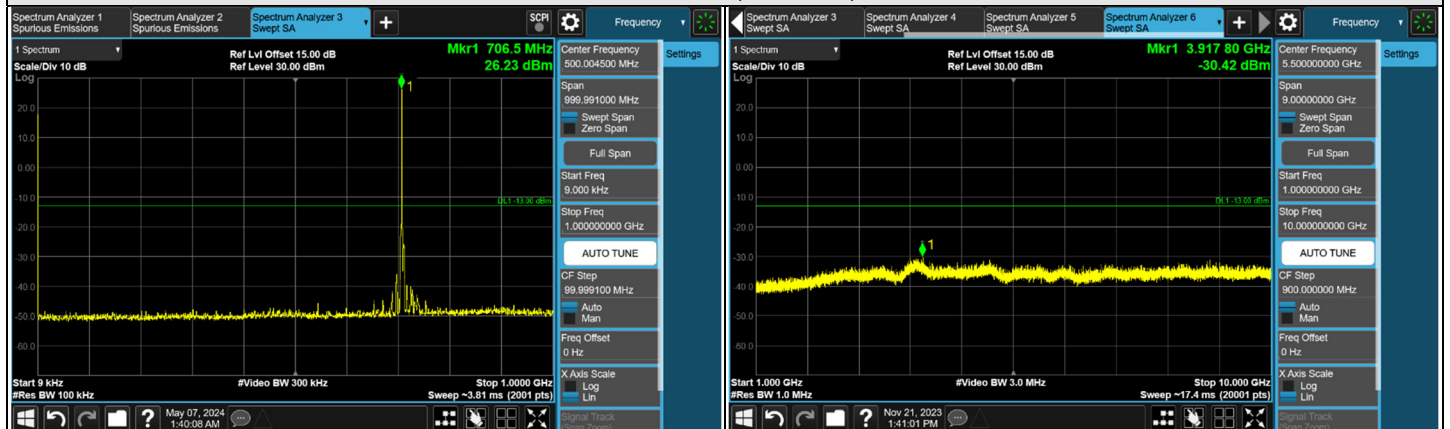
Cat-M1 Band 85, Channel Bandwidth: 10 MHz



CH 134052 (703 MHz)

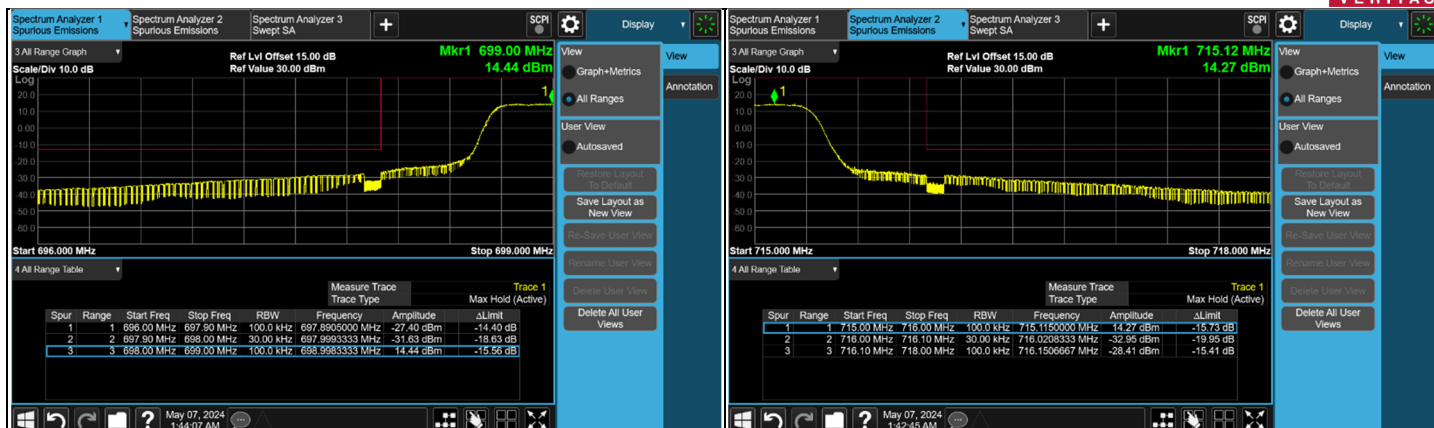


CH 134092 (707 MHz)



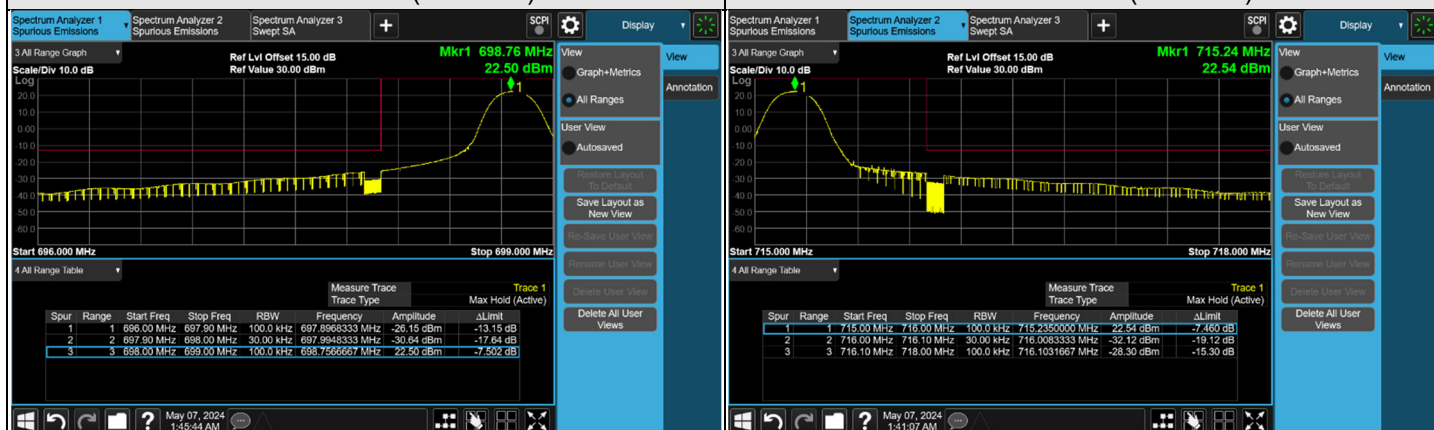
CH 134132 (711 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.



FULL CH 134052 (703 MHz)

FULL CH 134132 (711 MHz)



1RB CH 134052 (703 MHz)

1RB CH 134132 (711 MHz)

7.6 Radiated Spurious Emissions below 1GHz

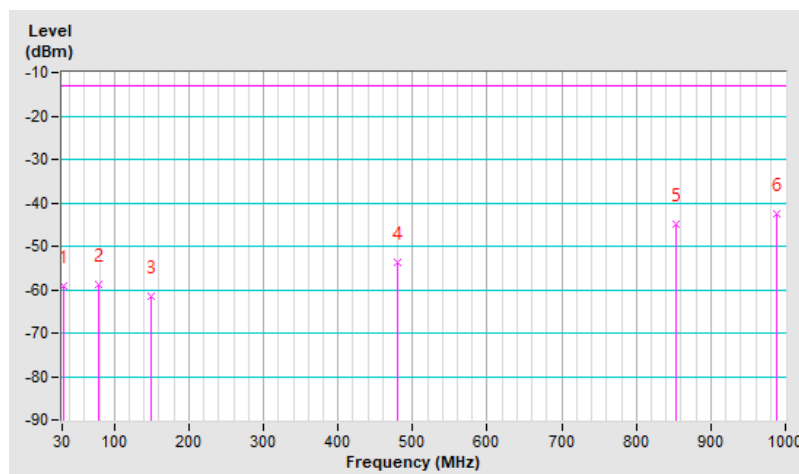
7.6.1 Cat-M1 Band 2

RF Mode	Cat-M1 Band 2 Channel Bandwidth: 20MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-59.15	-13.00	-46.15	1.50 H	111	50.39	-109.54
2	78.50	-58.84	-13.00	-45.84	1.00 H	355	54.01	-112.85
3	148.34	-61.68	-13.00	-48.68	1.25 H	238	46.57	-108.25
4	480.08	-53.82	-13.00	-40.82	1.00 H	341	49.41	-103.23
5	852.56	-45.07	-13.00	-32.07	2.00 H	94	51.86	-96.93
6	988.36	-42.71	-13.00	-29.71	1.50 H	338	52.44	-95.15

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

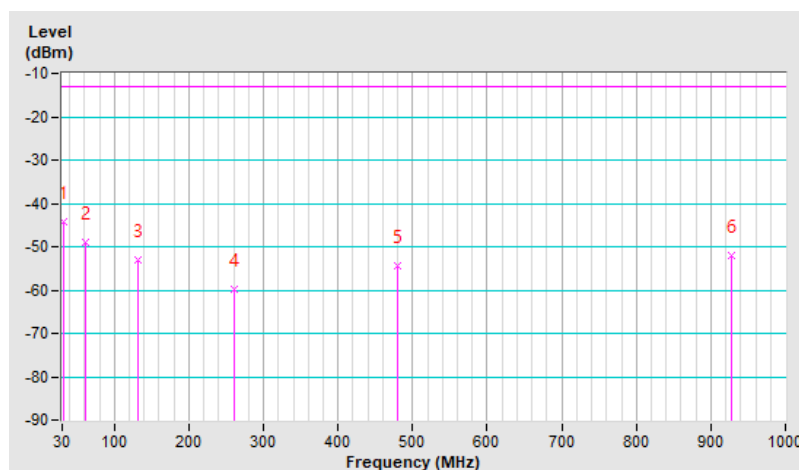


RF Mode	Cat-M1 Band 2 Channel Bandwidth: 20MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-44.14	-13.00	-31.14	1.25 V	62	65.40	-109.54
2	62.01	-49.11	-13.00	-36.11	1.50 V	176	60.35	-109.46
3	131.85	-53.12	-13.00	-40.12	1.00 V	136	56.39	-109.51
4	259.89	-59.84	-13.00	-46.84	1.00 V	176	49.52	-109.36
5	480.08	-54.48	-13.00	-41.48	1.00 V	180	48.75	-103.23
6	928.22	-52.02	-13.00	-39.02	1.25 V	154	43.86	-95.88

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

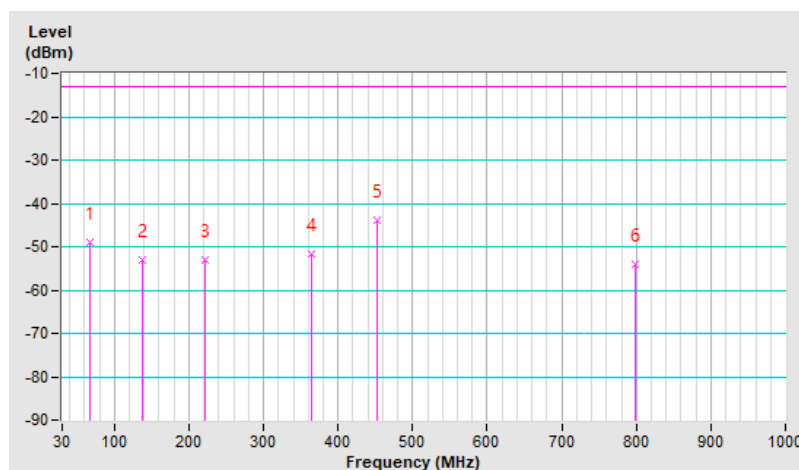


RF Mode	Cat-M1 Band 2 Channel Bandwidth: 20MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	67.83	-48.95	-13.00	-35.95	1.25 H	246	61.29	-110.24
2	136.70	-53.16	-13.00	-40.16	1.00 H	257	55.71	-108.87
3	222.06	-52.97	-13.00	-39.97	1.50 H	4	58.64	-111.61
4	364.65	-51.62	-13.00	-38.62	1.00 H	18	54.44	-106.06
5	452.92	-43.85	-13.00	-30.85	1.25 H	206	59.60	-103.45
6	799.21	-54.20	-13.00	-41.20	1.00 H	90	43.18	-97.38

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

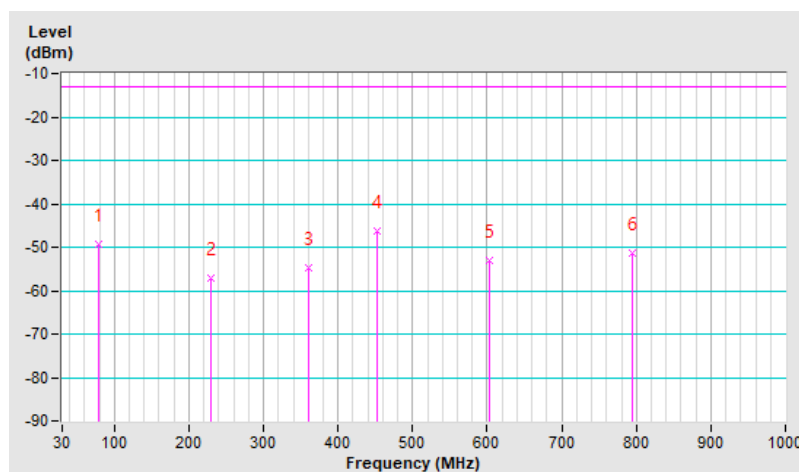


RF Mode	Cat-M1 Band 2 Channel Bandwidth: 20MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	78.50	-49.35	-13.00	-36.35	1.25 V	239	63.42	-112.77
2	228.85	-57.19	-13.00	-44.19	1.00 V	324	53.64	-110.83
3	360.77	-54.65	-13.00	-41.65	1.50 V	294	51.60	-106.25
4	452.92	-46.17	-13.00	-33.17	1.25 V	227	57.28	-103.45
5	603.27	-53.07	-13.00	-40.07	1.00 V	166	47.11	-100.18
6	795.33	-51.48	-13.00	-38.48	1.25 V	188	45.81	-97.29

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



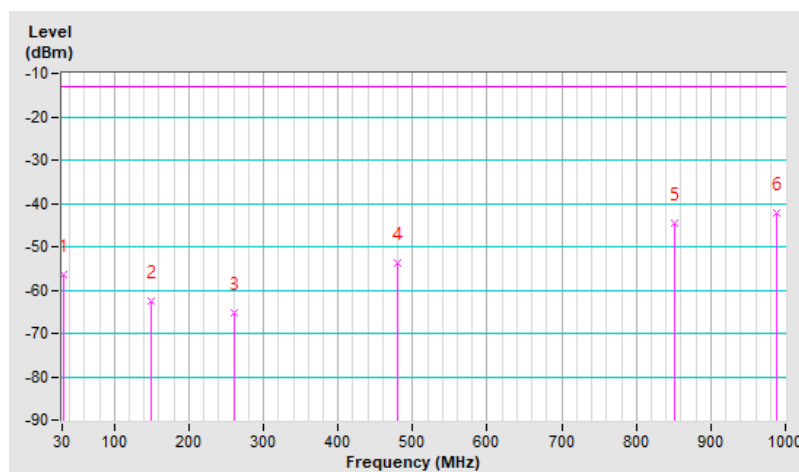
7.6.2 Cat-M1 Band 4

RF Mode	Cat-M1 Band 4 Channel Bandwidth: 20MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-56.34	-13.00	-43.34	1.25 H	102	53.20	-109.54
2	148.34	-62.41	-13.00	-49.41	1.50 H	255	45.84	-108.25
3	259.89	-65.25	-13.00	-52.25	2.00 H	213	44.11	-109.36
4	480.08	-53.58	-13.00	-40.58	1.50 H	341	49.65	-103.23
5	851.59	-44.59	-13.00	-31.59	1.25 H	355	52.36	-96.95
6	988.36	-42.19	-13.00	-29.19	1.00 H	96	52.96	-95.15

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

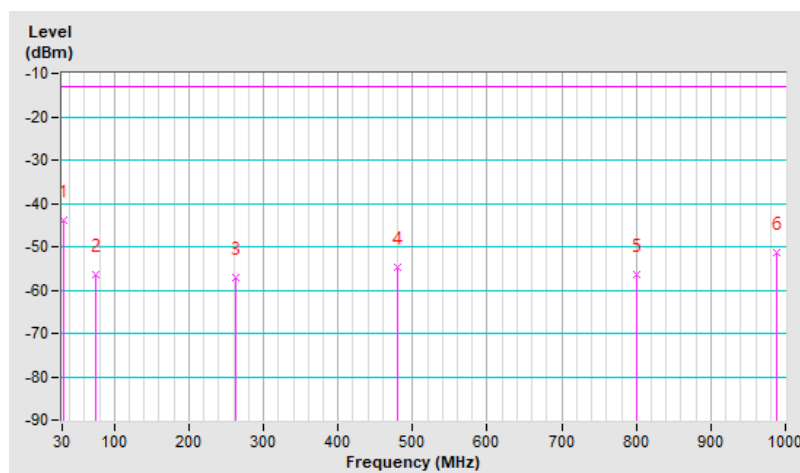


RF Mode	Cat-M1 Band 4 Channel Bandwidth: 20MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	32.91	-44.04	-13.00	-31.04	1.25 V	192	65.53	-109.57
2	74.62	-56.43	-13.00	-43.43	1.00 V	2	55.40	-111.83
3	262.80	-57.22	-13.00	-44.22	1.50 V	208	52.02	-109.24
4	480.08	-54.87	-13.00	-41.87	1.25 V	185	48.36	-103.23
5	801.15	-56.44	-13.00	-43.44	1.00 V	12	41.33	-97.77
6	987.39	-51.30	-13.00	-38.30	1.50 V	200	43.86	-95.16

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

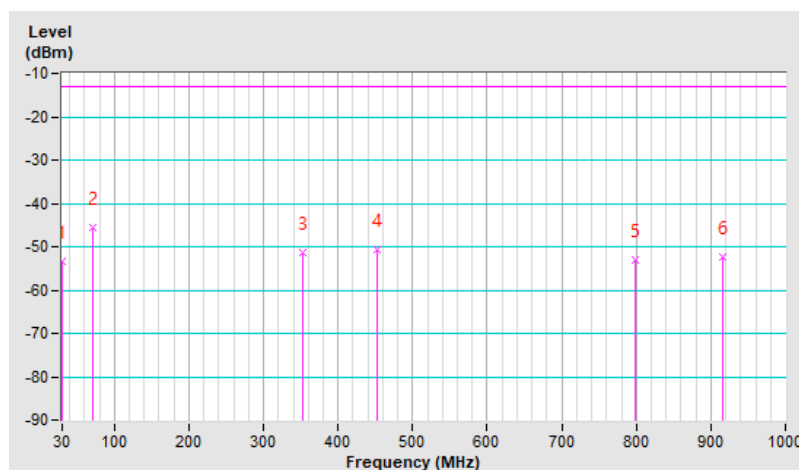


RF Mode	Cat-M1 Band 4 Channel Bandwidth: 20MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-53.37	-13.00	-40.37	1.50 H	172	56.25	-109.62
2	70.74	-45.53	-13.00	-32.53	1.25 H	254	65.30	-110.83
3	353.01	-51.50	-13.00	-38.50	1.00 H	18	54.99	-106.49
4	451.95	-50.66	-13.00	-37.66	2.00 H	200	52.82	-103.48
5	799.21	-52.99	-13.00	-39.99	1.00 H	77	44.39	-97.38
6	915.61	-52.40	-13.00	-39.40	1.25 H	131	43.26	-95.66

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

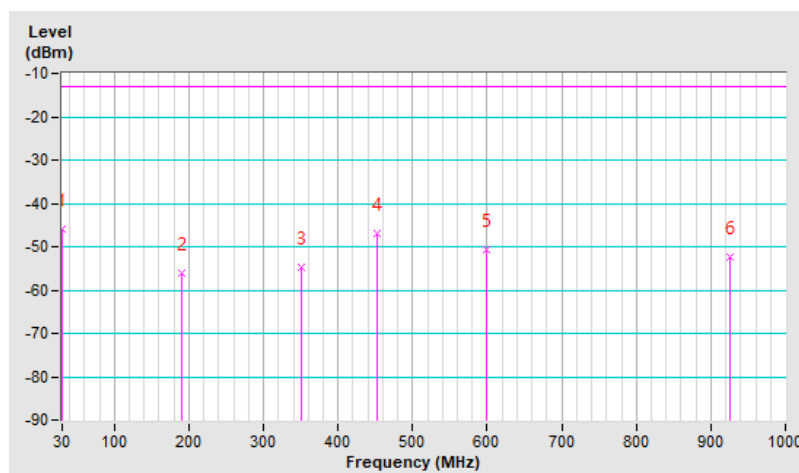


RF Mode	Cat-M1 Band 4 Channel Bandwidth: 20MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-45.84	-13.00	-32.84	1.25 V	152	63.78	-109.62
2	191.02	-56.19	-13.00	-43.19	1.00 V	240	54.97	-111.16
3	350.10	-54.73	-13.00	-41.73	1.50 V	235	51.85	-106.58
4	451.95	-47.08	-13.00	-34.08	1.25 V	241	56.40	-103.48
5	598.42	-50.59	-13.00	-37.59	1.00 V	157	49.76	-100.35
6	925.31	-52.51	-13.00	-39.51	1.25 V	348	42.93	-95.44

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



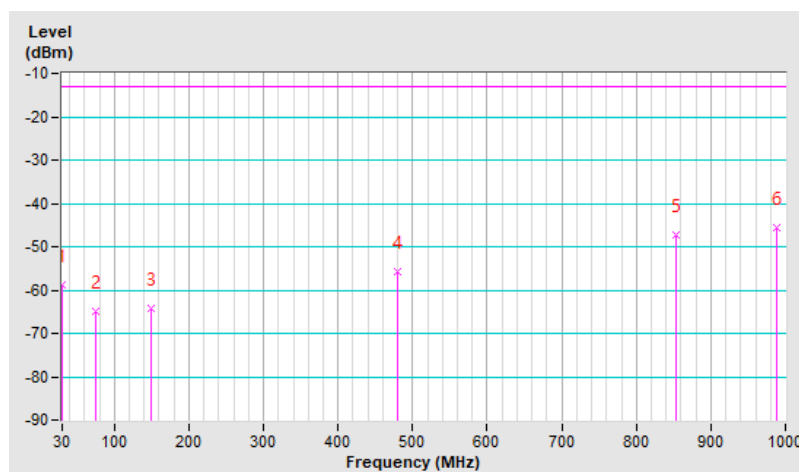
7.6.3 Cat-M1 Band 5

RF Mode	Cat-M1 Band 5 Channel Bandwidth: 10MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.97	-58.72	-13.00	-45.72	1.00 H	137	53.21	-111.93
2	75.59	-64.83	-13.00	-51.83	1.50 H	245	49.43	-114.26
3	148.34	-64.27	-13.00	-51.27	1.25 H	116	46.13	-110.40
4	480.08	-55.63	-13.00	-42.63	1.00 H	341	49.75	-105.38
5	852.56	-47.32	-13.00	-34.32	1.25 H	45	51.76	-99.08
6	988.36	-45.50	-13.00	-32.50	1.50 H	332	51.80	-97.30

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

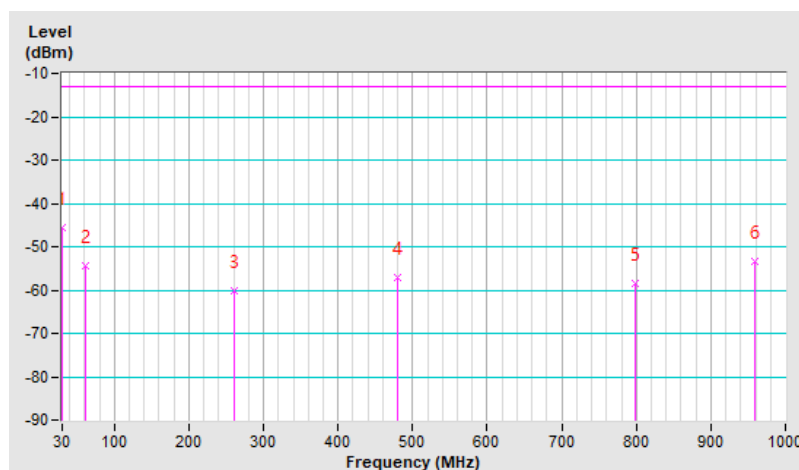


RF Mode	Cat-M1 Band 5 Channel Bandwidth: 10MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.97	-45.73	-13.00	-32.73	1.50 V	3	66.20	-111.93
2	62.01	-54.55	-13.00	-41.55	1.00 V	160	57.06	-111.61
3	259.89	-60.11	-13.00	-47.11	1.25 V	218	51.40	-111.51
4	480.08	-57.24	-13.00	-44.24	1.00 V	184	48.14	-105.38
5	798.24	-58.43	-13.00	-45.43	1.25 V	260	41.49	-99.92
6	959.26	-53.37	-13.00	-40.37	1.00 V	181	44.30	-97.67

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

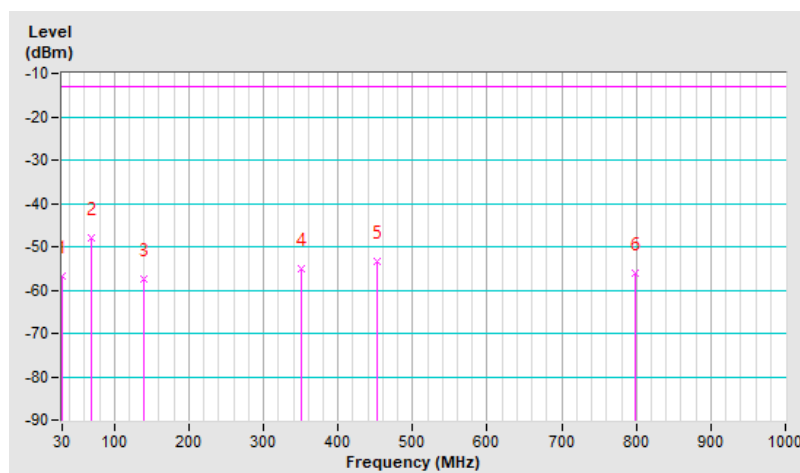


RF Mode	Cat-M1 Band 5 Channel Bandwidth: 10MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-56.72	-13.00	-43.72	1.00 H	142	55.05	-111.77
2	68.80	-47.84	-13.00	-34.84	1.50 H	266	64.94	-112.78
3	139.61	-57.55	-13.00	-44.55	1.25 H	247	53.25	-110.80
4	350.10	-55.19	-13.00	-42.19	1.00 H	18	53.54	-108.73
5	451.95	-53.41	-13.00	-40.41	1.50 H	211	52.22	-105.63
6	799.21	-56.12	-13.00	-43.12	1.25 H	314	43.41	-99.53

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

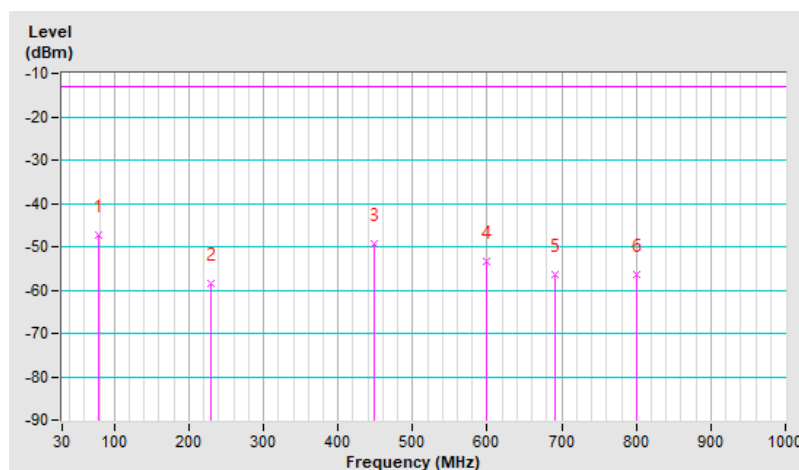


RF Mode	Cat-M1 Band 5 Channel Bandwidth: 10MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	78.50	-47.31	-13.00	-34.31	1.25 V	271	67.61	-114.92
2	228.85	-58.54	-13.00	-45.54	1.00 V	306	54.44	-112.98
3	448.07	-49.48	-13.00	-36.48	1.50 V	229	56.27	-105.75
4	599.39	-53.42	-13.00	-40.42	1.25 V	262	49.05	-102.47
5	690.57	-56.58	-13.00	-43.58	1.00 V	4	44.64	-101.22
6	800.18	-56.36	-13.00	-43.36	1.25 V	290	43.18	-99.54

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



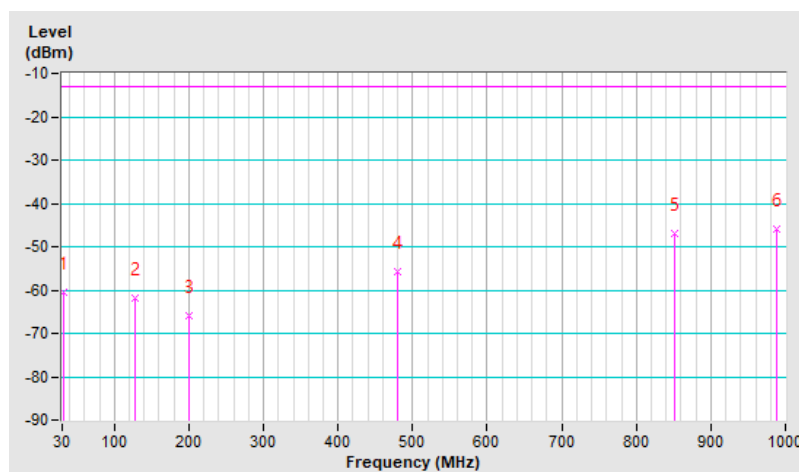
7.6.4 Cat-M1 Band 12

RF Mode	Cat-M1 Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-60.59	-13.00	-47.59	1.25 H	79	51.10	-111.69
2	127.00	-62.02	-13.00	-49.02	1.00 H	324	50.12	-112.14
3	200.72	-66.00	-13.00	-53.00	1.25 H	114	48.07	-114.07
4	480.08	-55.91	-13.00	-42.91	1.00 H	334	49.47	-105.38
5	851.59	-46.90	-13.00	-33.90	1.50 H	15	52.20	-99.10
6	988.36	-45.82	-13.00	-32.82	1.00 H	265	51.48	-97.30

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

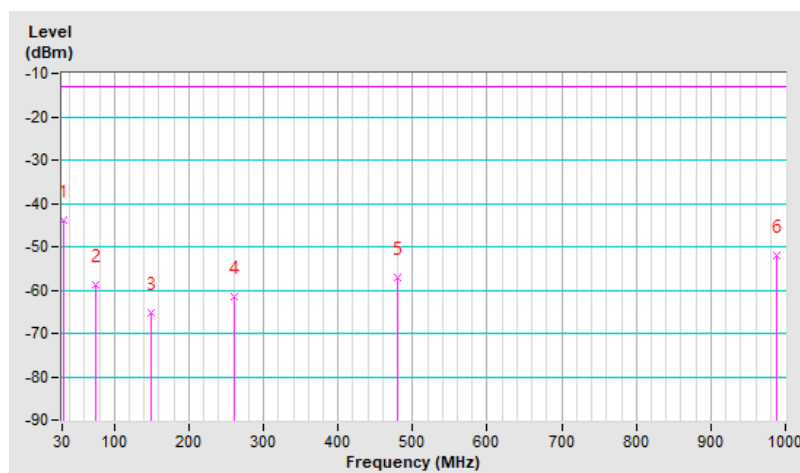


RF Mode	Cat-M1 Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-43.98	-13.00	-30.98	1.00 V	142	67.71	-111.69
2	74.62	-58.67	-13.00	-45.67	1.50 V	274	55.31	-113.98
3	148.34	-65.23	-13.00	-52.23	1.25 V	242	45.17	-110.40
4	259.89	-61.68	-13.00	-48.68	1.00 V	234	49.83	-111.51
5	480.08	-57.27	-13.00	-44.27	1.25 V	184	48.11	-105.38
6	988.36	-52.15	-13.00	-39.15	1.50 V	190	45.15	-97.30

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

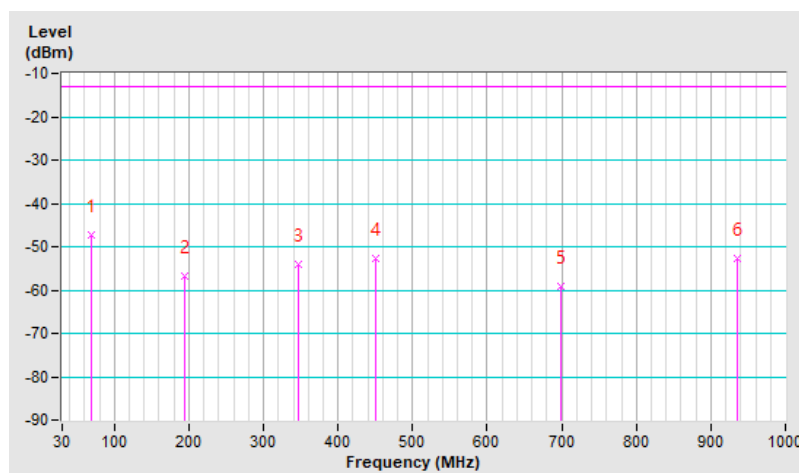


RF Mode	Cat-M1 Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	68.80	-47.22	-13.00	-34.22	1.50 H	235	65.56	-112.78
2	194.90	-56.69	-13.00	-43.69	1.00 H	1	57.00	-113.69
3	346.22	-54.04	-13.00	-41.04	1.25 H	142	54.73	-108.77
4	450.98	-52.63	-13.00	-39.63	1.25 H	205	53.03	-105.66
5	698.33	-59.03	-13.00	-46.03	1.00 H	264	41.96	-100.99
6	935.98	-52.74	-13.00	-39.74	1.50 H	145	44.69	-97.43

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

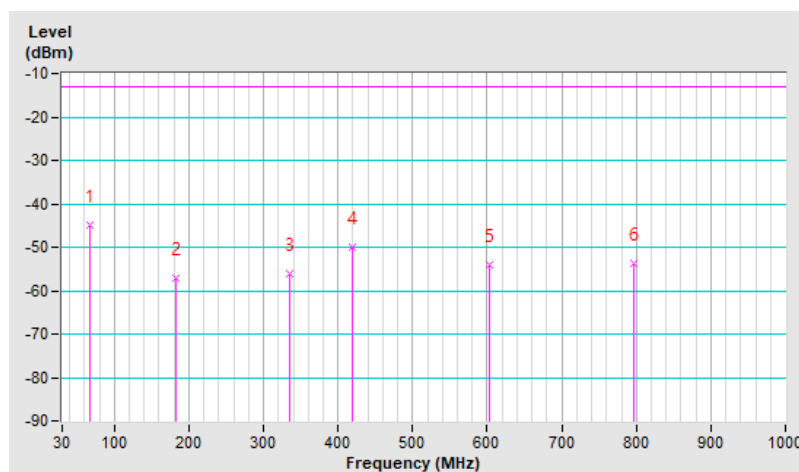


RF Mode	Cat-M1 Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	67.83	-44.80	-13.00	-31.80	1.50 V	8	67.59	-112.39
2	183.26	-57.07	-13.00	-44.07	1.25 V	195	55.13	-112.20
3	334.58	-56.07	-13.00	-43.07	1.00 V	286	52.68	-108.75
4	418.97	-49.87	-13.00	-36.87	1.50 V	257	56.90	-106.77
5	603.27	-53.90	-13.00	-40.90	1.00 V	18	48.43	-102.33
6	797.27	-53.70	-13.00	-40.70	1.25 V	248	45.78	-99.48

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



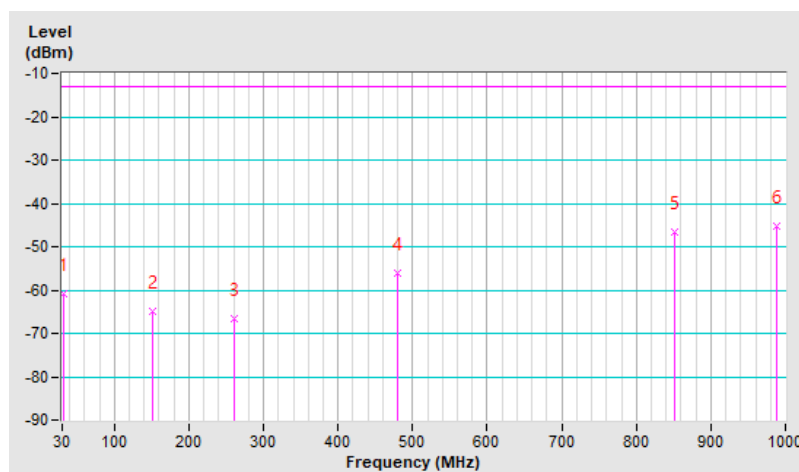
7.6.5 Cat-M1 Band 13

RF Mode	Cat-M1 Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-60.95	-13.00	-47.95	1.50 H	139	50.74	-111.69
2	152.22	-64.86	-13.00	-51.86	1.25 H	145	45.43	-110.29
3	259.89	-66.52	-13.00	-53.52	1.00 H	202	44.99	-111.51
4	480.08	-56.02	-13.00	-43.02	1.25 H	335	49.36	-105.38
5	851.59	-46.58	-13.00	-33.58	1.00 H	72	52.52	-99.10
6	988.36	-45.12	-13.00	-32.12	1.00 H	171	52.18	-97.30

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

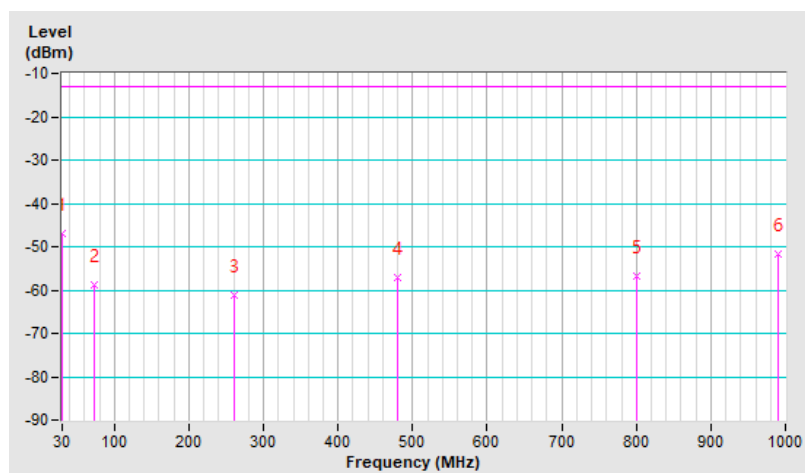


RF Mode	Cat-M1 Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.97	-46.83	-13.00	-33.83	1.00 V	35	65.10	-111.93
2	73.65	-58.79	-13.00	-45.79	1.50 V	2	55.02	-113.81
3	259.89	-61.23	-13.00	-48.23	1.00 V	219	50.28	-111.51
4	480.08	-57.09	-13.00	-44.09	1.25 V	183	48.29	-105.38
5	800.18	-56.87	-13.00	-43.87	1.25 V	16	43.08	-99.95
6	989.33	-51.79	-13.00	-38.79	1.00 V	172	45.52	-97.31

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

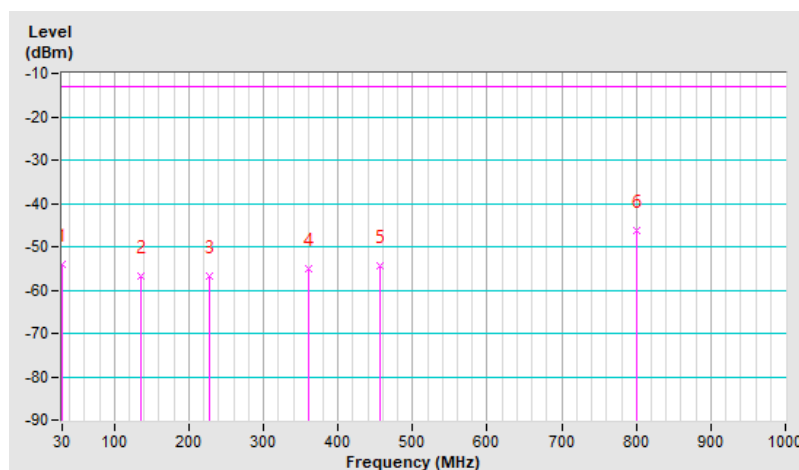


RF Mode	Cat-M1 Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-53.90	-13.00	-40.90	1.00 H	144	57.87	-111.77
2	134.76	-56.86	-13.00	-43.86	1.00 H	244	54.33	-111.19
3	227.88	-56.64	-13.00	-43.64	1.25 H	150	56.49	-113.13
4	360.77	-54.98	-13.00	-41.98	1.00 H	9	53.42	-108.40
5	455.83	-54.30	-13.00	-41.30	1.00 H	18	51.23	-105.53
6	800.18	-46.14	-13.00	-33.14	1.50 H	258	53.40	-99.54

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

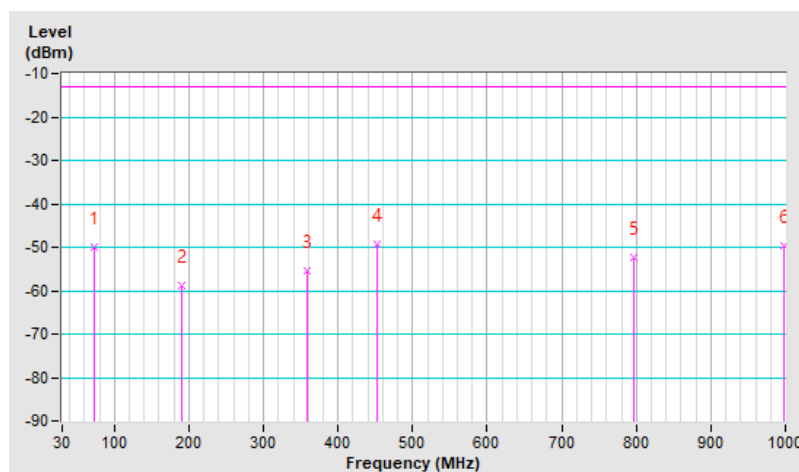


RF Mode	Cat-M1 Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	72.68	-49.87	-13.00	-36.87	1.25 V	244	63.64	-113.51
2	190.05	-58.66	-13.00	-45.66	1.00 V	232	54.58	-113.24
3	358.83	-55.28	-13.00	-42.28	1.50 V	242	53.19	-108.47
4	452.92	-49.22	-13.00	-36.22	1.25 V	232	56.38	-105.60
5	796.30	-52.35	-13.00	-39.35	1.00 V	259	47.11	-99.46
6	997.09	-49.53	-13.00	-36.53	1.25 V	356	47.69	-97.22

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



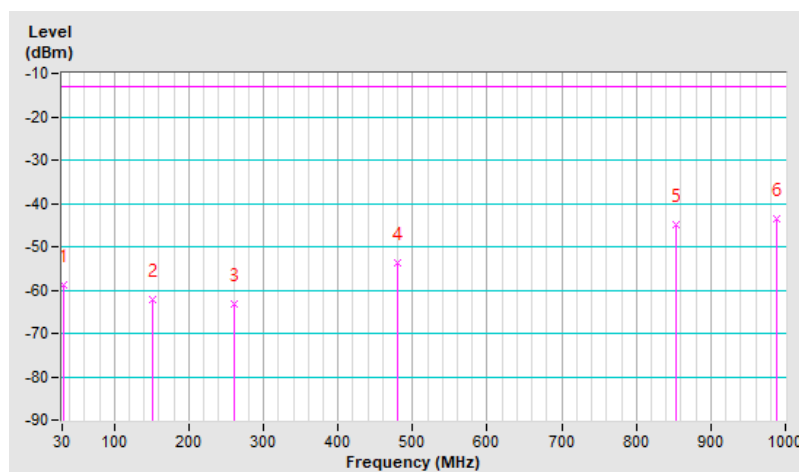
7.6.6 Cat-M1 Band 25

RF Mode	Cat-M1 Band 25 Channel Bandwidth: 1.4MHz	Channel	CH 26683 : 1914.3 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-58.77	-13.00	-45.77	1.00 H	56	50.77	-109.54
2	152.22	-62.32	-13.00	-49.32	1.50 H	104	45.82	-108.14
3	259.89	-63.23	-13.00	-50.23	1.00 H	164	46.13	-109.36
4	480.08	-53.82	-13.00	-40.82	1.25 H	336	49.41	-103.23
5	852.56	-44.80	-13.00	-31.80	1.00 H	2	52.13	-96.93
6	988.36	-43.52	-13.00	-30.52	2.00 H	271	51.63	-95.15

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

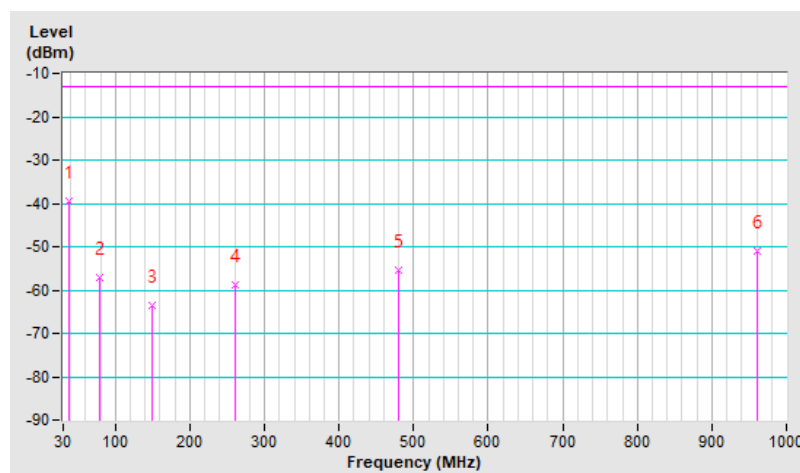


RF Mode	Cat-M1 Band 25 Channel Bandwidth: 1.4MHz	Channel	CH 26683 : 1914.3 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.76	-39.51	-13.00	-26.51	1.25 V	2	69.43	-108.94
2	78.50	-57.18	-13.00	-44.18	1.00 V	172	55.67	-112.85
3	148.34	-63.40	-13.00	-50.40	1.25 V	194	44.85	-108.25
4	259.89	-58.69	-13.00	-45.69	1.00 V	231	50.67	-109.36
5	480.08	-55.28	-13.00	-42.28	1.00 V	166	47.95	-103.23
6	960.23	-50.86	-13.00	-37.86	1.50 V	185	44.63	-95.49

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

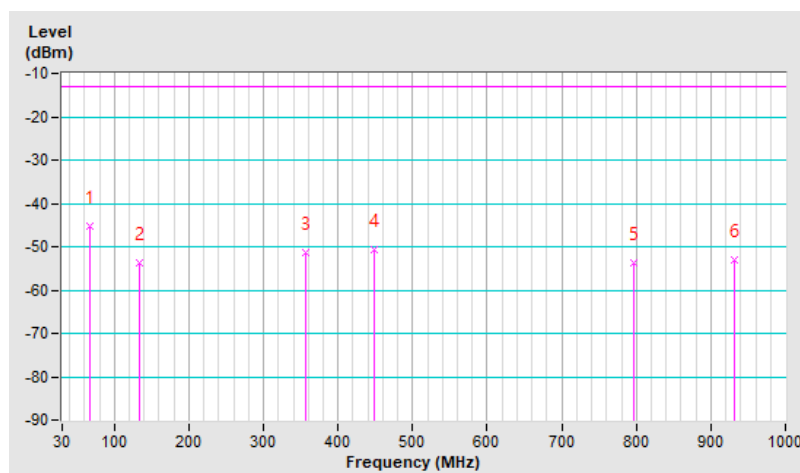


RF Mode	Cat-M1 Band 25 Channel Bandwidth: 1.4MHz	Channel	CH 26683 : 1914.3 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	67.83	-45.35	-13.00	-32.35	1.25 H	220	64.89	-110.24
2	132.82	-53.59	-13.00	-40.59	1.00 H	269	55.62	-109.21
3	355.92	-51.40	-13.00	-38.40	1.25 H	18	55.01	-106.41
4	448.07	-50.63	-13.00	-37.63	1.50 H	215	52.97	-103.60
5	797.27	-53.72	-13.00	-40.72	1.00 H	85	43.61	-97.33
6	932.10	-53.15	-13.00	-40.15	1.25 H	139	42.17	-95.32

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

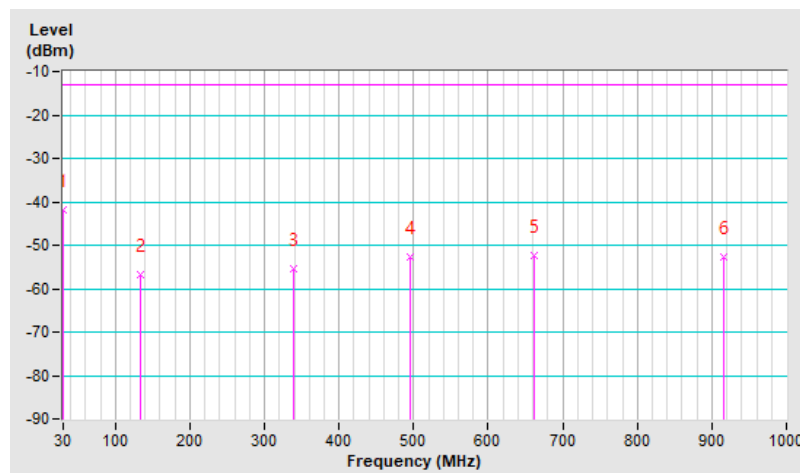


RF Mode	Cat-M1 Band 25 Channel Bandwidth: 1.4MHz	Channel	CH 26683 : 1914.3 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-41.91	-13.00	-28.91	1.25 V	315	67.71	-109.62
2	133.79	-56.72	-13.00	-43.72	1.00 V	117	52.39	-109.11
3	338.46	-55.37	-13.00	-42.37	1.50 V	261	51.22	-106.59
4	495.60	-52.72	-13.00	-39.72	1.25 V	280	50.08	-102.80
5	662.44	-52.42	-13.00	-39.42	1.00 V	360	47.10	-99.52
6	916.58	-52.83	-13.00	-39.83	1.25 V	354	42.81	-95.64

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



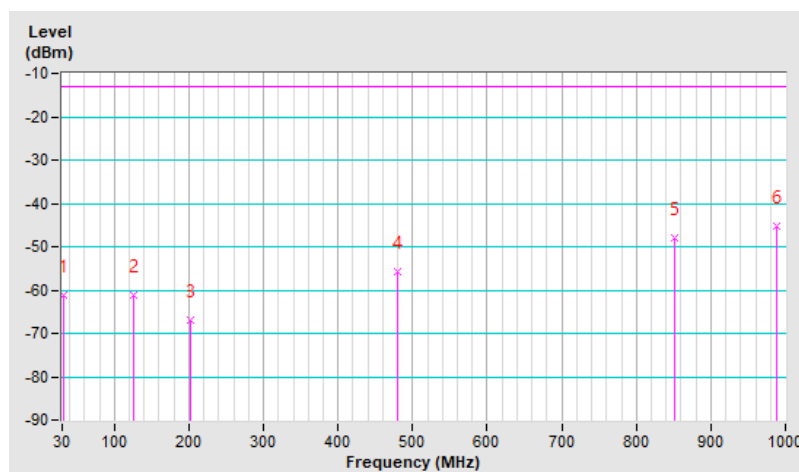
7.6.7 Cat-M1 Band 26 (Part 22)

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 15MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-61.23	-13.00	-48.23	1.50 H	126	50.46	-111.69
2	126.03	-61.03	-13.00	-48.03	1.00 H	103	51.04	-112.07
3	201.69	-66.91	-13.00	-53.91	1.25 H	136	47.17	-114.08
4	480.08	-55.74	-13.00	-42.74	1.00 H	196	49.64	-105.38
5	851.59	-47.94	-13.00	-34.94	1.00 H	16	51.16	-99.10
6	988.36	-45.26	-13.00	-32.26	1.25 H	56	52.04	-97.30

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

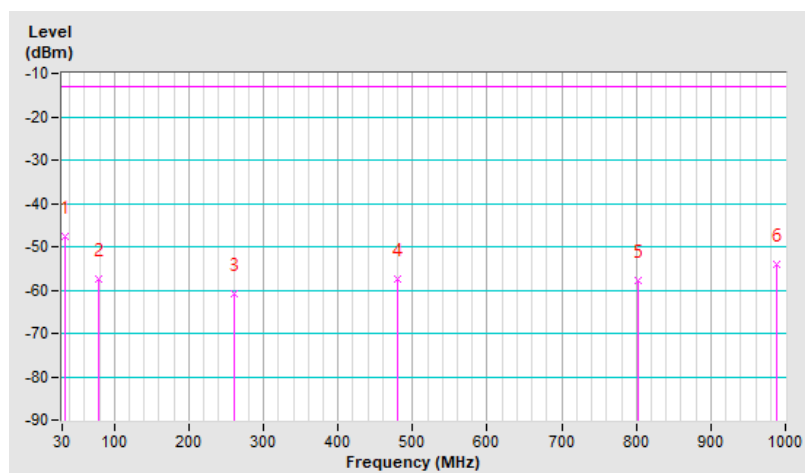


RF Mode	Cat-M1 Band 26 Channel Bandwidth: 15MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.88	-47.49	-13.00	-34.49	1.50 V	296	63.93	-111.42
2	78.50	-57.29	-13.00	-44.29	1.50 V	198	57.71	-115.00
3	259.89	-60.82	-13.00	-47.82	1.00 V	234	50.69	-111.51
4	480.08	-57.48	-13.00	-44.48	1.00 V	178	47.90	-105.38
5	802.12	-57.83	-13.00	-44.83	1.25 V	250	42.07	-99.90
6	988.36	-54.14	-13.00	-41.14	1.50 V	196	43.16	-97.30

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

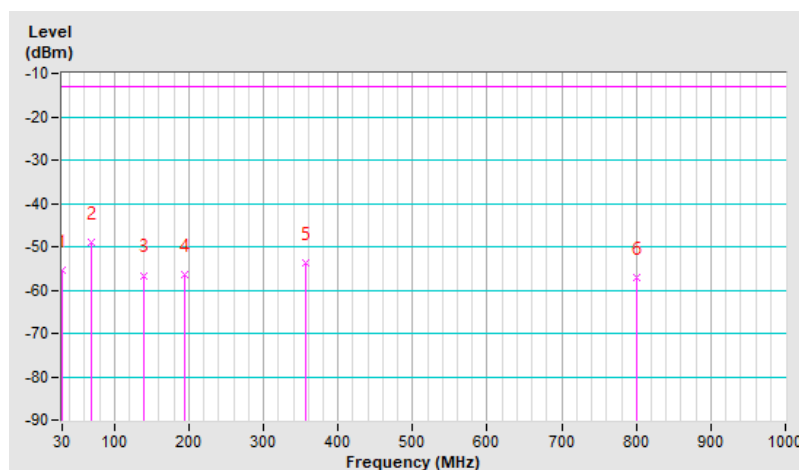


RF Mode	Cat-M1 Band 26 Channel Bandwidth: 15MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-55.27	-13.00	-42.27	1.50 H	144	56.50	-111.77
2	68.80	-48.85	-13.00	-35.85	1.25 H	246	63.93	-112.78
3	138.64	-56.61	-13.00	-43.61	1.00 H	246	54.23	-110.84
4	194.90	-56.34	-13.00	-43.34	1.25 H	2	57.35	-113.69
5	355.92	-53.64	-13.00	-40.64	1.00 H	18	54.92	-108.56
6	801.15	-57.24	-13.00	-44.24	1.50 H	265	42.29	-99.53

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

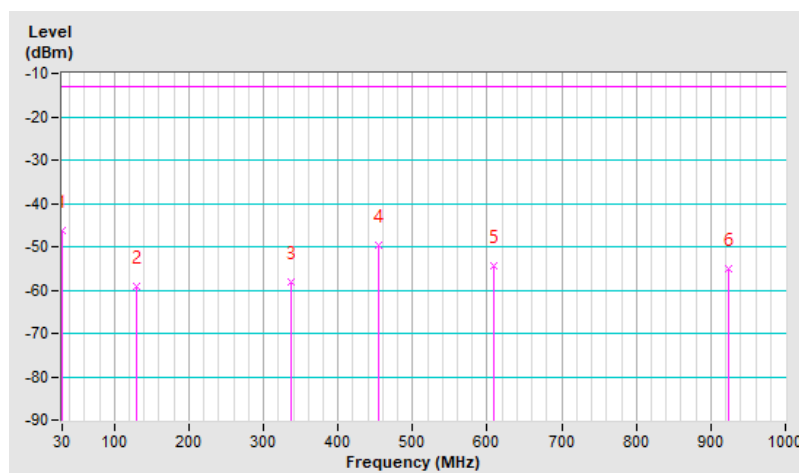


RF Mode	Cat-M1 Band 26 Channel Bandwidth: 15MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-46.13	-13.00	-33.13	1.50 V	302	65.64	-111.77
2	129.91	-59.28	-13.00	-46.28	1.00 V	253	52.37	-111.65
3	336.52	-58.18	-13.00	-45.18	1.25 V	280	50.56	-108.74
4	453.89	-49.69	-13.00	-36.69	1.00 V	224	55.89	-105.58
5	608.12	-54.40	-13.00	-41.40	1.50 V	155	47.79	-102.19
6	924.34	-55.13	-13.00	-42.13	1.00 V	342	42.49	-97.62

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



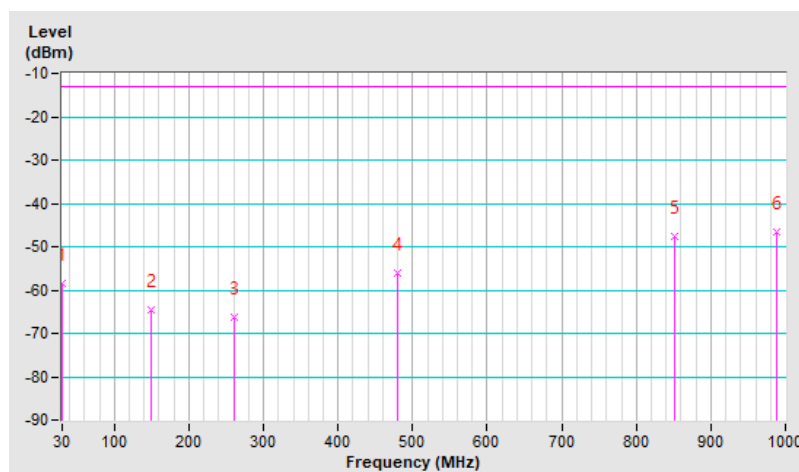
7.6.8 Cat-M1 Band 26 (Part 90)

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.97	-58.55	-13.00	-45.55	1.50 H	87	53.38	-111.93
2	148.34	-64.55	-13.00	-51.55	1.25 H	110	45.85	-110.40
3	259.89	-66.22	-13.00	-53.22	2.00 H	157	45.29	-111.51
4	480.08	-56.06	-13.00	-43.06	1.00 H	341	49.32	-105.38
5	851.59	-47.56	-13.00	-34.56	1.00 H	14	51.54	-99.10
6	988.36	-46.49	-13.00	-33.49	1.25 H	87	50.81	-97.30

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

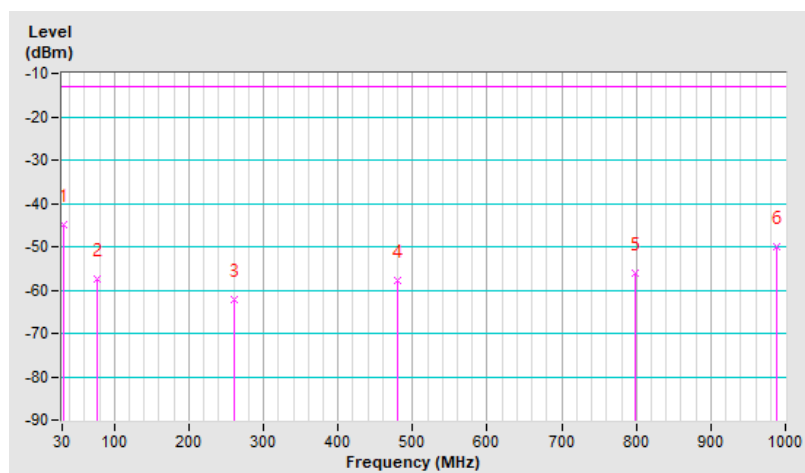


RF Mode	Cat-M1 Band 26 Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-45.02	-13.00	-32.02	1.50 V	120	66.67	-111.69
2	77.53	-57.59	-13.00	-44.59	1.00 V	217	57.20	-114.79
3	259.89	-62.14	-13.00	-49.14	1.25 V	226	49.37	-111.51
4	480.08	-57.64	-13.00	-44.64	1.50 V	188	47.74	-105.38
5	798.24	-56.04	-13.00	-43.04	1.00 V	160	43.88	-99.92
6	988.36	-50.11	-13.00	-37.11	1.25 V	185	47.19	-97.30

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + $20\log(D) - 104.8 - 2.15$
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

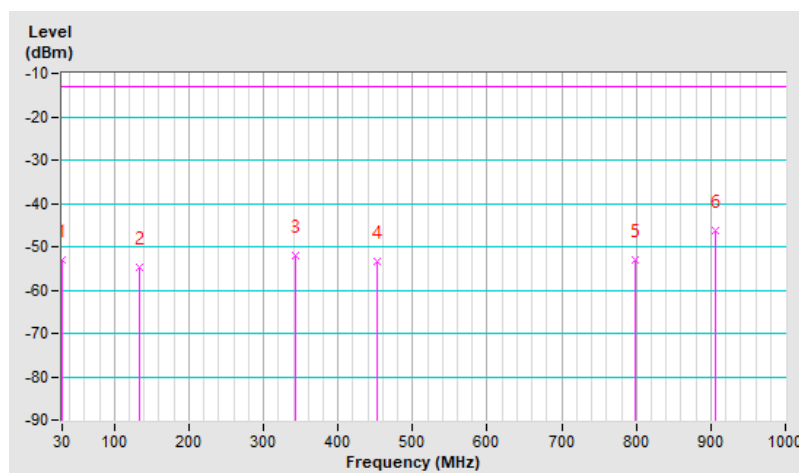


RF Mode	Cat-M1 Band 26 Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-53.06	-13.00	-40.06	1.25 H	172	58.71	-111.77
2	133.79	-54.88	-13.00	-41.88	1.00 H	261	56.38	-111.26
3	343.31	-51.90	-13.00	-38.90	1.50 H	131	56.86	-108.76
4	452.92	-53.30	-13.00	-40.30	1.00 H	203	52.30	-105.60
5	798.24	-53.06	-13.00	-40.06	1.25 H	64	46.44	-99.50
6	905.91	-46.30	-13.00	-33.30	1.25 H	145	51.70	-98.00

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

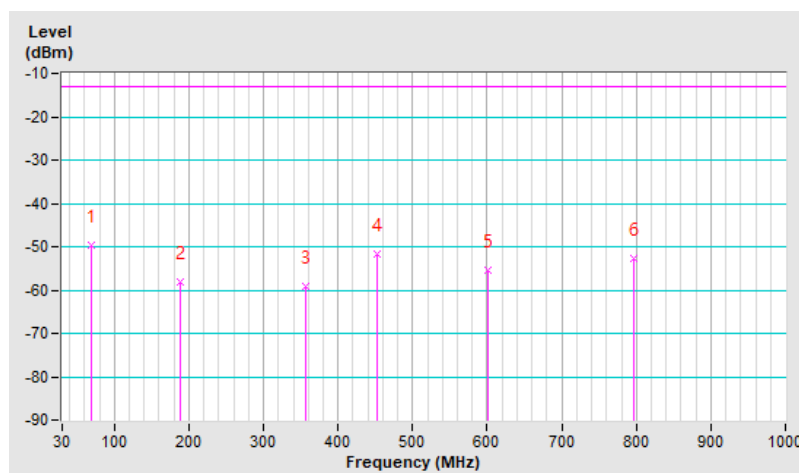


RF Mode	Cat-M1 Band 26 Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	68.80	-49.69	-13.00	-36.69	1.50 V	18	63.09	-112.78
2	189.08	-58.01	-13.00	-45.01	1.00 V	184	55.14	-113.15
3	356.89	-59.01	-13.00	-46.01	1.25 V	233	49.52	-108.53
4	451.95	-51.71	-13.00	-38.71	1.50 V	218	53.92	-105.63
5	600.36	-55.43	-13.00	-42.43	1.00 V	276	47.01	-102.44
6	797.27	-52.59	-13.00	-39.59	1.25 V	250	46.89	-99.48

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



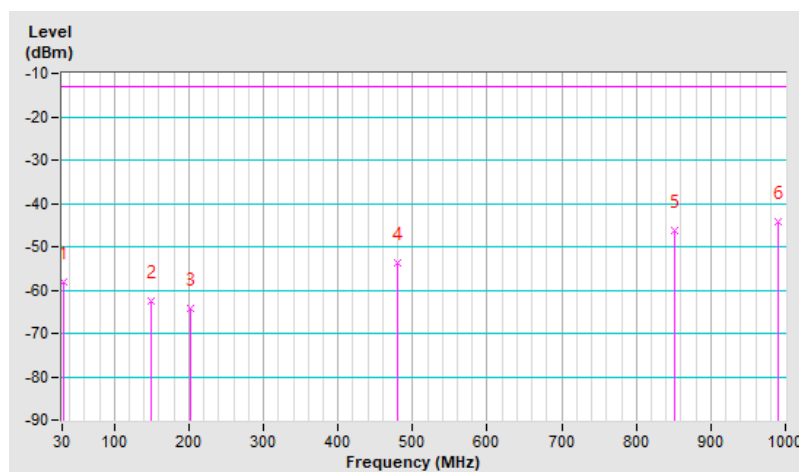
7.6.9 Cat-M1 Band 66

RF Mode	Cat-M1 Band 66 Channel Bandwidth: 5MHz	Channel	CH 132647 : 1777.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-58.10	-13.00	-45.10	1.25 H	101	51.44	-109.54
2	148.34	-62.52	-13.00	-49.52	1.00 H	247	45.73	-108.25
3	201.69	-64.29	-13.00	-51.29	1.50 H	130	47.64	-111.93
4	480.08	-53.82	-13.00	-40.82	1.00 H	339	49.41	-103.23
5	850.62	-46.39	-13.00	-33.39	1.00 H	0	50.57	-96.96
6	989.33	-44.25	-13.00	-31.25	1.25 H	58	50.91	-95.16

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

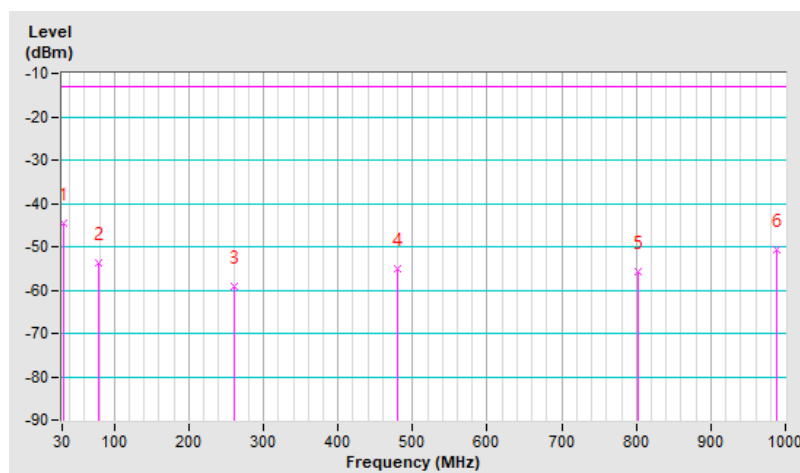


RF Mode	Cat-M1 Band 66 Channel Bandwidth: 5MHz	Channel	CH 132647 : 1777.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	32.91	-44.48	-13.00	-31.48	1.50 V	290	65.09	-109.57
2	78.50	-53.74	-13.00	-40.74	1.00 V	191	59.11	-112.85
3	259.89	-59.28	-13.00	-46.28	1.25 V	238	50.08	-109.36
4	480.08	-54.96	-13.00	-41.96	1.25 V	182	48.27	-103.23
5	802.12	-55.74	-13.00	-42.74	1.00 V	252	42.01	-97.75
6	988.36	-50.51	-13.00	-37.51	1.50 V	241	44.64	-95.15

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

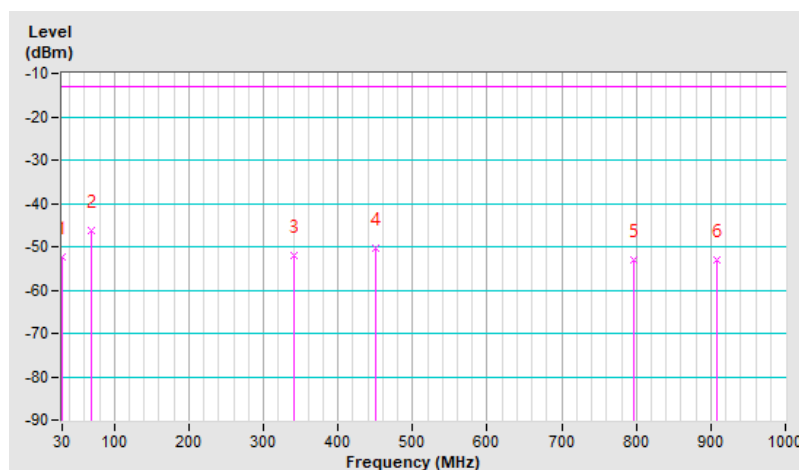


RF Mode	Cat-M1 Band 66 Channel Bandwidth: 5MHz	Channel	CH 132647 : 1777.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-52.45	-13.00	-39.45	1.25 H	146	57.17	-109.62
2	69.77	-46.11	-13.00	-33.11	1.00 H	275	64.57	-110.68
3	341.37	-51.90	-13.00	-38.90	1.50 H	110	54.69	-106.59
4	450.01	-50.34	-13.00	-37.34	1.00 H	202	53.20	-103.54
5	797.27	-53.19	-13.00	-40.19	1.25 H	9	44.14	-97.33
6	908.82	-52.94	-13.00	-39.94	1.00 H	78	42.86	-95.80

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

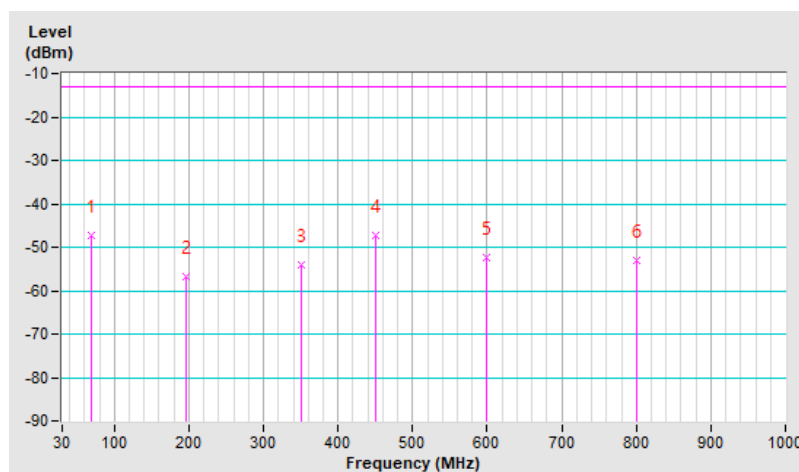


RF Mode	Cat-M1 Band 66 Channel Bandwidth: 5MHz	Channel	CH 132647 : 1777.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	68.80	-47.41	-13.00	-34.41	1.25 V	281	63.22	-110.63
2	195.87	-56.79	-13.00	-43.79	1.00 V	224	54.84	-111.63
3	351.07	-53.90	-13.00	-40.90	1.50 V	242	52.64	-106.54
4	450.98	-47.16	-13.00	-34.16	1.25 V	226	56.35	-103.51
5	599.39	-52.49	-13.00	-39.49	1.00 V	179	47.83	-100.32
6	801.15	-53.15	-13.00	-40.15	1.50 V	254	44.23	-97.38

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



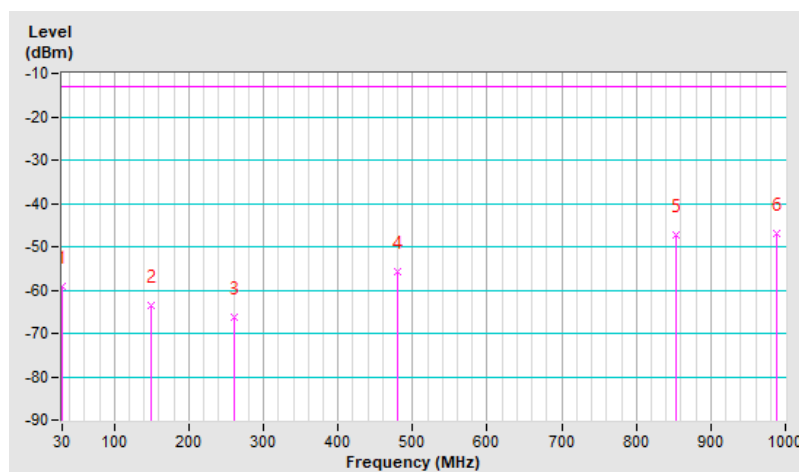
7.6.10 Cat-M1 Band 85

RF Mode	Cat-M1 Band 85 Channel Bandwidth: 10MHz	Channel	CH 134092 : 707.0 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.97	-59.22	-13.00	-46.22	1.50 H	123	52.71	-111.93
2	148.34	-63.71	-13.00	-50.71	1.00 H	109	46.69	-110.40
3	259.89	-66.19	-13.00	-53.19	1.50 H	211	45.32	-111.51
4	480.08	-55.74	-13.00	-42.74	1.00 H	194	49.64	-105.38
5	852.56	-47.12	-13.00	-34.12	1.25 H	70	51.96	-99.08
6	988.36	-46.79	-13.00	-33.79	2.00 H	277	50.51	-97.30

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

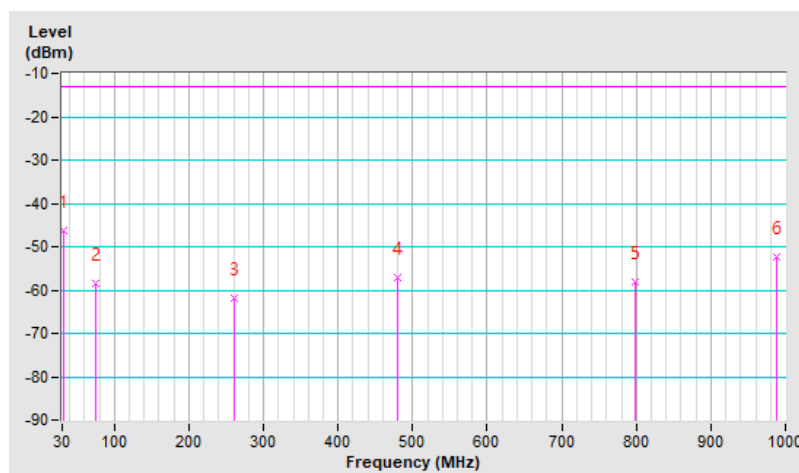


RF Mode	Cat-M1 Band 85 Channel Bandwidth: 10MHz	Channel	CH 134092 : 707.0 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	A

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-46.33	-13.00	-33.33	1.00 V	64	65.36	-111.69
2	74.62	-58.39	-13.00	-45.39	1.00 V	2	55.59	-113.98
3	259.89	-61.71	-13.00	-48.71	1.25 V	218	49.80	-111.51
4	480.08	-56.95	-13.00	-43.95	1.00 V	180	48.43	-105.38
5	799.21	-58.26	-13.00	-45.26	1.00 V	16	41.68	-99.94
6	988.36	-52.24	-13.00	-39.24	1.50 V	186	45.06	-97.30

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

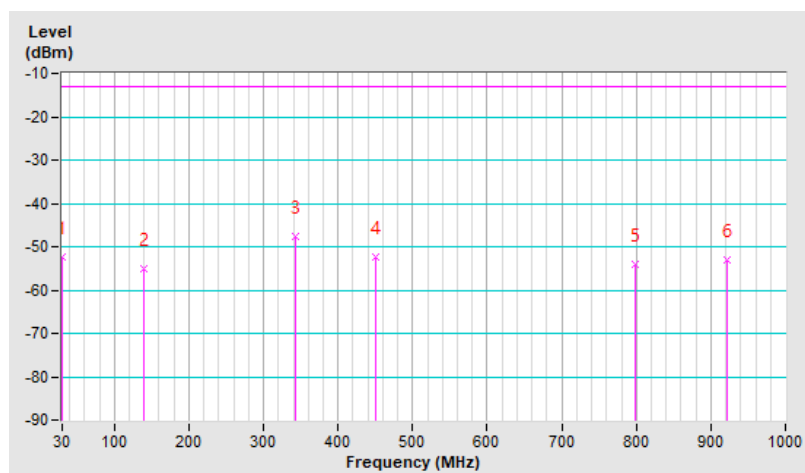


RF Mode	Cat-M1 Band 85 Channel Bandwidth: 10MHz	Channel	CH 134092 : 707.0 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	30.00	-52.45	-13.00	-39.45	1.50 H	123	57.17	-109.62
2	139.61	-55.00	-13.00	-42.00	1.00 H	258	53.65	-108.65
3	343.31	-47.47	-13.00	-34.47	1.25 H	138	59.14	-106.61
4	450.98	-52.33	-13.00	-39.33	1.00 H	218	51.18	-103.51
5	798.24	-54.22	-13.00	-41.22	1.00 H	79	43.13	-97.35
6	922.40	-53.01	-13.00	-40.01	1.25 H	70	42.50	-95.51

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

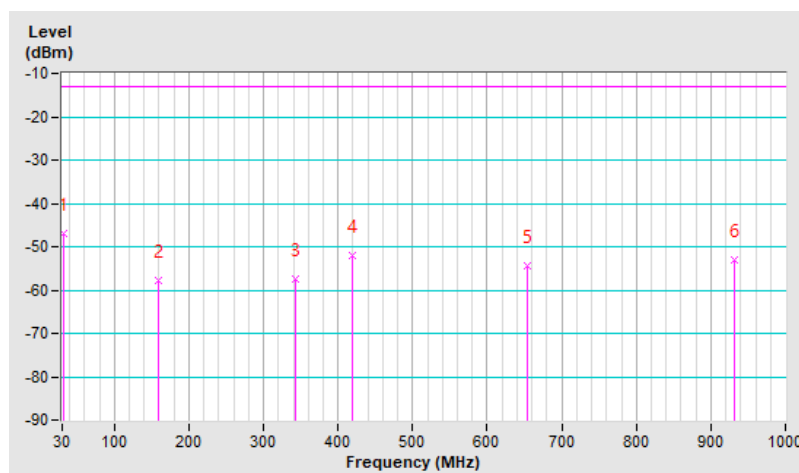


RF Mode	Cat-M1 Band 85 Channel Bandwidth: 10MHz	Channel	CH 134092 : 707.0 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin	Test Mode	B

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	32.91	-46.88	-13.00	-33.88	1.00 V	317	62.71	-109.59
2	159.98	-57.64	-13.00	-44.64	1.00 V	15	50.28	-107.92
3	343.31	-57.39	-13.00	-44.39	1.00 V	268	49.22	-106.61
4	419.94	-51.95	-13.00	-38.95	1.00 V	256	52.63	-104.58
5	653.71	-54.40	-13.00	-41.40	1.00 V	358	45.12	-99.52
6	932.10	-53.03	-13.00	-40.03	1.00 V	344	42.29	-95.32

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



7.7 Radiated Spurious Emissions above 1GHz

7.7.1 Cat-M1 Band 2

RF Mode	Cat-M1 Band 2 Channel Bandwidth: 1.4MHz	Channel	CH 18607 : 1850.7 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3701.40	-19.22	-13.00	-6.22	1.02 H	61	75.91	-95.13
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3701.40	-17.74	-13.00	-4.74	1.11 V	350	77.39	-95.13

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 2 Channel Bandwidth: 1.4MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-18.92	-13.00	-5.92	1.04 H	64	75.94	-94.86
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-17.23	-13.00	-4.23	1.17 V	356	77.63	-94.86

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 2 Channel Bandwidth: 1.4MHz	Channel	CH 19193 : 1909.3 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3818.60	-19.07	-13.00	-6.07	1.07 H	59	75.66	-94.73
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3818.60	-17.74	-13.00	-4.74	1.14 V	352	76.99	-94.73

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 2 Channel Bandwidth: 5MHz	Channel	CH 18625 : 1852.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3705.00	-19.45	-13.00	-6.45	1.08 H	64	75.66	-95.11
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3705.00	-17.47	-13.00	-4.47	1.14 V	349	77.64	-95.11

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 2 Channel Bandwidth: 5MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-18.60	-13.00	-5.60	1.09 H	60	76.26	-94.86
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-17.19	-13.00	-4.19	1.17 V	352	77.67	-94.86

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 2 Channel Bandwidth: 5MHz	Channel	CH 19175 : 1907.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3815.00	-18.79	-13.00	-5.79	1.09 H	65	75.96	-94.75
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3815.00	-17.70	-13.00	-4.70	1.16 V	351	77.05	-94.75

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 2 Channel Bandwidth: 20MHz	Channel	CH 18700 : 1860 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3720.00	-19.12	-13.00	-6.12	1.10 H	62	75.91	-95.03
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3720.00	-17.47	-13.00	-4.47	1.13 V	349	77.56	-95.03

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 2 Channel Bandwidth: 20MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-18.38	-13.00	-5.38	1.05 H	62	76.48	-94.86
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-17.03	-13.00	-4.03	1.09 V	352	77.79	-94.82

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 2 Channel Bandwidth: 20MHz	Channel	CH 19100 : 1900 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3800.00	-18.45	-13.00	-5.45	1.09 H	60	76.38	-94.83
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3800.00	-17.47	-13.00	-4.47	1.13 V	351	77.36	-94.83

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.7.2 Cat-M1 Band 4

RF Mode	Cat-M1 Band 4 Channel Bandwidth: 1.4MHz	Channel	CH 19957 : 1710.7 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3421.40	-25.94	-13.00	-12.94	1.24 H	68	70.24	-96.18
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3421.40	-24.67	-13.00	-11.67	1.23 V	223	71.51	-96.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 4 Channel Bandwidth: 1.4MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-25.15	-13.00	-12.15	1.28 H	69	70.97	-96.12
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-24.49	-13.00	-11.49	1.20 V	217	71.63	-96.12

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 4 Channel Bandwidth: 1.4MHz	Channel	CH 20393 : 1754.3 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3508.60	-25.12	-13.00	-12.12	1.26 H	63	70.78	-95.90
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3508.60	-24.22	-13.00	-11.22	1.21 V	224	71.68	-95.90

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 4 Channel Bandwidth: 5MHz	Channel	CH 19975 : 1712.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3425.00	-25.81	-13.00	-12.81	1.28 H	64	70.36	-96.17
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3425.00	-24.14	-13.00	-11.14	1.14 V	221	72.03	-96.17

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 4 Channel Bandwidth: 5MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-25.26	-13.00	-12.26	1.26 H	62	70.86	-96.12
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-24.25	-13.00	-11.25	1.19 V	218	71.87	-96.12

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 4 Channel Bandwidth: 5MHz	Channel	CH 20375 : 1752.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3505.00	-25.27	-13.00	-12.27	1.27 H	63	70.65	-95.92
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3505.00	-24.59	-13.00	-11.59	1.22 V	223	71.33	-95.92

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 4 Channel Bandwidth: 20MHz	Channel	CH 20050 : 1720 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3440.00	-25.71	-13.00	-12.71	1.28 H	64	70.49	-96.20
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3440.00	-24.75	-13.00	-11.75	1.13 V	220	71.45	-96.20

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 4 Channel Bandwidth: 20MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-25.10	-13.00	-12.10	1.24 H	66	71.02	-96.12
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-23.99	-13.00	-10.99	1.18 V	219	72.13	-96.12

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 4 Channel Bandwidth: 20MHz	Channel	CH 20300 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-25.33	-13.00	-12.33	1.23 H	65	70.66	-95.99
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-24.13	-13.00	-11.13	1.17 V	225	71.86	-95.99

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

7.7.3 Cat-M1 Band 5

RF Mode	Cat-M1 Band 5 Channel Bandwidth: 1.4MHz	Channel	CH 20407 : 824.7 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1649.40	-41.29	-13.00	-28.29	2.46 H	279	62.51	-103.80
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1649.40	-44.29	-13.00	-31.29	2.95 V	185	59.51	-103.80

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 5 Channel Bandwidth: 1.4MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-40.90	-13.00	-27.90	2.39 H	274	62.89	-103.79
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-44.02	-13.00	-31.02	2.93 V	184	59.77	-103.79

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 5 Channel Bandwidth: 1.4MHz	Channel	CH 20643 : 848.3 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1696.60	-40.86	-13.00	-27.86	2.40 H	280	62.91	-103.77
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1696.60	-43.94	-13.00	-30.94	2.96 V	183	59.83	-103.77

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 5 Channel Bandwidth: 5MHz	Channel	CH 20425 : 826.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1653.00	-41.17	-13.00	-28.17	2.41 H	275	62.63	-103.80
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1653.00	-44.07	-13.00	-31.07	2.94 V	189	59.73	-103.80

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 5 Channel Bandwidth: 5MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-41.21	-13.00	-28.21	2.43 H	274	62.58	-103.79
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-43.86	-13.00	-30.86	2.99 V	189	59.93	-103.79

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 5 Channel Bandwidth: 5MHz	Channel	CH 20625 : 846.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1693.00	-41.21	-13.00	-28.21	2.40 H	275	62.55	-103.76
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1693.00	-43.74	-13.00	-30.74	2.98 V	185	60.02	-103.76

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 5 Channel Bandwidth: 10MHz	Channel	CH 20450 : 829 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1658.00	-40.79	-13.00	-27.79	2.47 H	279	63.01	-103.80
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1658.00	-44.29	-13.00	-31.29	2.97 V	187	59.51	-103.80

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 5 Channel Bandwidth: 10MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-40.51	-13.00	-27.51	2.41 H	277	63.28	-103.79
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-43.67	-13.00	-30.67	2.96 V	188	60.12	-103.79

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 5 Channel Bandwidth: 10MHz	Channel	CH 20600 : 844 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1688.00	-41.19	-13.00	-28.19	2.43 H	279	62.58	-103.77
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1688.00	-44.03	-13.00	-31.03	2.93 V	185	59.74	-103.77

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

7.7.4 Cat-M1 Band 12

RF Mode	Cat-M1 Band 12 Channel Bandwidth: 1.4MHz	Channel	CH 23017 : 699.7 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1399.40	-28.06	-13.00	-15.06	2.53 H	284	76.05	-104.11
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1399.40	-30.73	-13.00	-17.73	3.48 V	109	73.38	-104.11

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 12 Channel Bandwidth: 1.4MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-27.97	-13.00	-14.97	2.48 H	282	76.11	-104.08
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-30.34	-13.00	-17.34	3.46 V	108	73.74	-104.08

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 12 Channel Bandwidth: 1.4MHz	Channel	CH 23173 : 715.3 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1430.60	-27.37	-13.00	-14.37	2.49 H	281	76.68	-104.05
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1430.60	-30.30	-13.00	-17.30	3.45 V	110	73.75	-104.05

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 12 Channel Bandwidth: 5MHz	Channel	CH 23035 : 701.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1403.00	-27.58	-13.00	-14.58	2.56 H	284	76.52	-104.10
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1403.00	-30.16	-13.00	-17.16	3.47 V	114	73.94	-104.10

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 12 Channel Bandwidth: 5MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-27.34	-13.00	-14.34	2.49 H	284	76.74	-104.08
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-30.44	-13.00	-17.44	3.51 V	110	73.64	-104.08

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 12 Channel Bandwidth: 5MHz	Channel	CH 23155 : 713.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1427.00	-27.74	-13.00	-14.74	2.55 H	278	76.31	-104.05
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1427.00	-30.26	-13.00	-17.26	3.48 V	112	73.79	-104.05

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 12 Channel Bandwidth: 10MHz	Channel	CH 23060 : 704 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1408.00	-27.40	-13.00	-14.40	2.55 H	286	76.70	-104.10
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1408.00	-30.25	-13.00	-17.25	3.50 V	111	73.85	-104.10

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-27.24	-13.00	-14.24	2.52 H	279	76.84	-104.08
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-30.09	-13.00	-17.09	3.47 V	114	73.99	-104.08

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 12 Channel Bandwidth: 10MHz	Channel	CH 23130 : 711 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-27.42	-13.00	-14.42	2.57 H	281	76.65	-104.07
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-30.20	-13.00	-17.20	3.43 V	113	73.87	-104.07

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

7.7.5 Cat-M1 Band 13

RF Mode	Cat-M1 Band 13 Channel Bandwidth: 5MHz	Channel	CH 23205 : 779.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1559.00	-44.51	-40.00	-4.51	1.88 H	340	57.32	-101.83
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1559.00	-47.60	-40.00	-7.60	3.38 V	9	54.23	-101.83

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 13 Channel Bandwidth: 5MHz	Channel	CH 23230 : 782 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1564.00	-45.11	-40.00	-5.11	1.91 H	336	56.72	-101.83
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1564.00	-47.07	-40.00	-7.07	3.47 V	11	54.76	-101.83

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 13 Channel Bandwidth: 5MHz	Channel	CH 23255 : 784.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1569.00	-44.51	-40.00	-4.51	1.87 H	336	57.31	-101.82
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1569.00	-47.07	-40.00	-7.07	3.41 V	13	54.75	-101.82

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1564.00	-44.35	-40.00	-4.35	1.92 H	339	57.48	-101.83
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1564.00	-47.06	-40.00	-7.06	3.42 V	12	54.77	-101.83

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.7.6 Cat-M1 Band 25

RF Mode	Cat-M1 Band 25 Channel Bandwidth: 1.4MHz	Channel	CH 26047 : 1850.7 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3701.40	-19.69	-13.00	-6.69	1.05 H	55	75.44	-95.13
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3701.40	-17.84	-13.00	-4.84	1.18 V	352	77.29	-95.13

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 25 Channel Bandwidth: 1.4MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3765.00	-18.89	-13.00	-5.89	1.03 H	56	75.96	-94.85
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3765.00	-17.46	-13.00	-4.46	1.17 V	353	77.39	-94.85

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 25 Channel Bandwidth: 1.4MHz	Channel	CH 26683 : 1914.3 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3828.60	-18.96	-13.00	-5.96	1.09 H	54	75.73	-94.69
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3828.60	-17.04	-13.00	-4.04	1.11 V	352	77.65	-94.69

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 25 Channel Bandwidth: 5MHz	Channel	CH 26065 : 1852.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3705.00	-19.18	-13.00	-6.18	1.03 H	56	75.93	-95.11
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3705.00	-17.79	-13.00	-4.79	1.11 V	351	77.32	-95.11

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 25 Channel Bandwidth: 5MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3765.00	-18.94	-13.00	-5.94	1.10 H	57	75.91	-94.85
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3765.00	-17.50	-13.00	-4.50	1.16 V	358	77.35	-94.85

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 25 Channel Bandwidth: 5MHz	Channel	CH 26665 : 1912.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3825.00	-18.92	-13.00	-5.92	1.05 H	58	75.78	-94.70
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3825.00	-17.48	-13.00	-4.48	1.08 V	357	77.22	-94.70

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 25 Channel Bandwidth: 20MHz	Channel	CH 26140 : 1860 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3720.00	-19.09	-13.00	-6.09	1.06 H	55	75.94	-95.03
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3720.00	-17.94	-13.00	-4.94	1.12 V	357	77.09	-95.03

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3765.00	-18.71	-13.00	-5.71	1.13 H	54	76.14	-94.85
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3765.00	-17.17	-13.00	-4.17	1.16 V	356	77.68	-94.85

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 25 Channel Bandwidth: 20MHz	Channel	CH 26590 : 1905 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3810.00	-18.90	-13.00	-5.90	1.09 H	59	75.87	-94.77
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3810.00	-17.55	-13.00	-4.55	1.14 V	358	77.22	-94.77

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.7.7 Cat-M1 Band 26 (Part 22)

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 1.4MHz	Channel	CH 26797 : 824.7 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1649.40	-37.24	-13.00	-24.24	2.50 H	295	66.56	-103.80
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1649.40	-40.74	-13.00	-27.74	3.37 V	105	63.06	-103.80

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 1.4MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-37.71	-13.00	-24.71	2.49 H	296	66.08	-103.79
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-40.48	-13.00	-27.48	3.34 V	102	63.31	-103.79

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 1.4MHz	Channel	CH 27033 : 848.3 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1696.60	-37.29	-13.00	-24.29	2.45 H	292	66.48	-103.77
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1696.60	-40.56	-13.00	-27.56	3.40 V	103	63.21	-103.77

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 5MHz	Channel	CH 26815 : 826.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1653.00	-37.45	-13.00	-24.45	2.42 H	289	66.35	-103.80
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1653.00	-40.47	-13.00	-27.47	3.32 V	104	63.33	-103.80

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 5MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-37.66	-13.00	-24.66	2.46 H	290	66.13	-103.79
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-40.51	-13.00	-27.51	3.38 V	107	63.28	-103.79

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 5MHz	Channel	CH 27015 : 846.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1693.00	-37.17	-13.00	-24.17	2.44 H	297	66.59	-103.76
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1693.00	-40.79	-13.00	-27.79	3.35 V	109	62.97	-103.76

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 15MHz	Channel	CH 26865 : 831.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1663.00	-37.07	-13.00	-24.07	2.38 H	297	66.72	-103.79
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1663.00	-40.45	-13.00	-27.45	3.33 V	102	63.34	-103.79

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 15MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-37.06	-13.00	-24.06	2.41 H	294	66.73	-103.79
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-40.21	-13.00	-27.21	3.38 V	107	63.58	-103.79

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 15MHz	Channel	CH 26965 : 841.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1683.00	-37.50	-13.00	-24.50	2.44 H	292	66.28	-103.78
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1683.00	-40.32	-13.00	-27.32	3.36 V	108	63.46	-103.78

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

7.7.8 Cat-M1 Band 26 (Part 90)

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 1.4MHz	Channel	CH 26697 : 814.7 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1629.40	-45.07	-13.00	-32.07	1.53 H	133	58.78	-103.85
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1629.40	-48.44	-13.00	-35.44	2.79 V	208	55.41	-103.85

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 1.4MHz	Channel	CH 26740 : 819 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-45.12	-13.00	-32.12	1.55 H	336	58.71	-103.83
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-48.88	-13.00	-35.88	2.69 V	205	54.95	-103.83

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 1.4MHz	Channel	CH 26783 : 823.3 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1646.60	-45.14	-13.00	-32.14	1.52 H	329	58.66	-103.80
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1646.60	-48.97	-13.00	-35.97	2.77 V	208	54.83	-103.80

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 5MHz	Channel	CH 26715 : 816.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1633.00	-44.60	-13.00	-31.60	1.51 H	332	59.24	-103.84
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1633.00	-48.55	-13.00	-35.55	2.72 V	205	55.29	-103.84

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 5MHz	Channel	CH 26740 : 819 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-45.21	-13.00	-32.21	1.57 H	329	58.62	-103.83
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-48.77	-13.00	-35.77	2.71 V	203	55.06	-103.83

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 5MHz	Channel	CH 26765 : 816.47 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1643.00	-44.79	-13.00	-31.79	1.58 H	335	59.03	-103.82
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1643.00	-48.59	-13.00	-35.59	2.69 V	208	55.23	-103.82

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 26 Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-44.50	-13.00	-31.50	1.56 H	328	59.33	-103.83
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-48.35	-13.00	-35.35	2.77 V	211	55.48	-103.83

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

7.7.9 Cat-M1 Band 66

RF Mode	Cat-M1 Band 66 Channel Bandwidth: 1.4MHz	Channel	CH 131979 : 1710.7 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3421.40	-22.95	-13.00	-9.95	1.16 H	76	73.23	-96.18
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3421.40	-22.01	-13.00	-9.01	1.23 V	220	74.17	-96.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 66 Channel Bandwidth: 1.4MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-22.94	-13.00	-9.94	1.16 H	77	73.05	-95.99
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-21.90	-13.00	-8.90	1.32 V	217	74.09	-95.99

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 66 Channel Bandwidth: 1.4MHz	Channel	CH 132665 : 1779.3 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3558.60	-23.19	-13.00	-10.19	1.12 H	75	72.56	-95.75
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3558.60	-21.50	-13.00	-8.50	1.29 V	218	74.25	-95.75

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 66 Channel Bandwidth: 5MHz	Channel	CH 131997 : 1712.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3425.00	-23.01	-13.00	-10.01	1.15 H	74	73.16	-96.17
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3425.00	-21.93	-13.00	-8.93	1.24 V	220	74.24	-96.17

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 66 Channel Bandwidth: 5MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-23.07	-13.00	-10.07	1.11 H	73	72.92	-95.99
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-21.84	-13.00	-8.84	1.22 V	217	74.15	-95.99

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 66 Channel Bandwidth: 5MHz	Channel	CH 132647 : 1777.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	-22.84	-13.00	-9.84	1.16 H	77	72.91	-95.75
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3555.00	-21.43	-13.00	-8.43	1.23 V	221	74.32	-95.75

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 66 Channel Bandwidth: 20MHz	Channel	CH 132072 : 1720 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3440.00	-22.94	-13.00	-9.94	1.15 H	70	73.26	-96.20
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3440.00	-22.09	-13.00	-9.09	1.28 V	223	74.11	-96.20

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-22.73	-13.00	-9.73	1.11 H	71	73.26	-95.99
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-21.57	-13.00	-8.57	1.22 V	217	74.42	-95.99

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

RF Mode	Cat-M1 Band 66 Channel Bandwidth: 20MHz	Channel	CH 132572 : 1770 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3540.00	-23.28	-13.00	-10.28	1.09 H	74	72.52	-95.80
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3540.00	-22.07	-13.00	-9.07	1.25 V	222	73.73	-95.80

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.7.10 Cat-M1 Band 85

RF Mode	Cat-M1 Band 85 Channel Bandwidth: 5MHz	Channel	CH 134027 : 700.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1401.00	-31.36	-13.00	-18.36	2.45 H	292	72.75	-104.11
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1401.00	-33.95	-13.00	-20.95	3.33 V	106	70.16	-104.11

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 85 Channel Bandwidth: 5MHz	Channel	CH 134092 : 707 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1414.00	-31.37	-13.00	-18.37	2.45 H	291	72.71	-104.08
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1414.00	-34.53	-13.00	-21.53	3.32 V	103	69.55	-104.08

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 85 Channel Bandwidth: 5MHz	Channel	CH 134157 : 713.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1427.00	-30.66	-13.00	-17.66	2.46 H	293	73.39	-104.05
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1427.00	-34.29	-13.00	-21.29	3.37 V	104	69.76	-104.05

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 85 Channel Bandwidth: 10MHz	Channel	CH 134052 : 703 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1406.00	-30.76	-13.00	-17.76	2.41 H	296	73.34	-104.10
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1406.00	-34.49	-13.00	-21.49	3.40 V	104	69.61	-104.10

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 85 Channel Bandwidth: 10MHz	Channel	CH 134092 : 707 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1414.00	-30.65	-13.00	-17.65	2.41 H	295	73.43	-104.08
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1414.00	-33.84	-13.00	-20.84	3.33 V	103	70.24	-104.08

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	Cat-M1 Band 85 Channel Bandwidth: 10MHz	Channel	CH 134132 : 711 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22°C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-31.10	-13.00	-18.10	2.47 H	290	72.97	-104.07
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-34.29	-13.00	-21.29	3.39 V	108	69.78	-104.07

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

7.8 Frequency Stability

Environmental Conditions:	22°C, 68% RH	Tested By:	Willy Cheng
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7.8.1 Cat-M1 Band 2

Cat-M1 Band 2, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 18607 (1850.7 MHz)		CH 19193 (1909.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1850.6999980	-0.001	1909.3000000	0.000
7.2	1850.7000040	0.002	1909.2999990	-0.001
8.28	1850.6999980	-0.001	1909.3000010	0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 18607 (1850.7 MHz)		CH 19193 (1909.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1850.7000030	0.002	1909.3000020	0.001
-30	1850.7000020	0.001	1909.2999960	-0.002
-20	1850.7000040	0.002	1909.2999970	-0.002
-10	1850.6999990	-0.001	1909.3000010	0.001
0	1850.7000020	0.001	1909.2999970	-0.002
10	1850.6999960	-0.002	1909.3000030	0.002
20	1850.7000010	0.001	1909.3000020	0.001
30	1850.6999960	-0.002	1909.3000010	0.001
40	1850.6999980	-0.001	1909.2999980	-0.001
50	1850.7000030	0.002	1909.2999990	-0.001
60	1850.7000030	0.002	1909.2999980	-0.001
70	1850.6999980	-0.001	1909.2999980	-0.001
80	1850.7000030	0.002	1909.3000020	0.001
85	1850.7000010	0.001	1909.3000040	0.002

Cat-M1 Band 2, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 18615 (1851.5 MHz)		CH 19185 (1908.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1851.4999990	-0.001	1908.4999960	-0.002
7.2	1851.4999970	-0.002	1908.5000020	0.001
8.28	1851.4999990	-0.001	1908.5000030	0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 18615 (1851.5 MHz)		CH 19185 (1908.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1851.4999990	-0.001	1908.5000040	0.002
-30	1851.5000010	0.001	1908.4999960	-0.002
-20	1851.4999990	-0.001	1908.4999960	-0.002
-10	1851.4999970	-0.002	1908.5000020	0.001
0	1851.5000010	0.001	1908.4999960	-0.002
10	1851.5000010	0.001	1908.5000040	0.002
20	1851.5000040	0.002	1908.5000030	0.002
30	1851.4999970	-0.002	1908.4999970	-0.002
40	1851.5000040	0.002	1908.5000010	0.001
50	1851.4999960	-0.002	1908.5000040	0.002
60	1851.5000040	0.002	1908.4999970	-0.002
70	1851.4999970	-0.002	1908.4999990	-0.001
80	1851.4999960	-0.002	1908.4999970	-0.002
85	1851.5000030	0.002	1908.4999990	-0.001

Cat-M1 Band 2, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 18625 (1852.5 MHz)		CH 19175 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1852.5000030	0.002	1907.5000040	0.002
7.2	1852.5000020	0.001	1907.5000010	0.001
8.28	1852.4999980	-0.001	1907.5000040	0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 18625 (1852.5 MHz)		CH 19175 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1852.5000030	0.002	1907.5000030	0.002
-30	1852.4999990	-0.001	1907.4999990	-0.001
-20	1852.4999970	-0.002	1907.5000010	0.001
-10	1852.5000040	0.002	1907.4999990	-0.001
0	1852.4999960	-0.002	1907.4999960	-0.002
10	1852.5000020	0.001	1907.5000030	0.002
20	1852.5000040	0.002	1907.5000010	0.001
30	1852.4999990	-0.001	1907.4999960	-0.002
40	1852.4999960	-0.002	1907.4999980	-0.001
50	1852.4999990	-0.001	1907.4999990	-0.001
60	1852.4999980	-0.001	1907.4999990	-0.001
70	1852.5000010	0.001	1907.5000030	0.002
80	1852.4999980	-0.001	1907.5000030	0.002
85	1852.4999960	-0.002	1907.4999990	-0.001

Cat-M1 Band 2, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 18650 (1855 MHz)		CH 19150 (1905 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1855.0000020	0.001	1905.0000040	0.002
7.2	1855.0000010	0.001	1905.0000030	0.002
8.28	1855.0000030	0.002	1904.9999970	-0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 18650 (1855 MHz)		CH 19150 (1905 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1855.0000040	0.002	1905.0000010	0.001
-30	1855.0000030	0.002	1905.0000030	0.002
-20	1855.0000030	0.002	1904.9999990	-0.001
-10	1854.9999980	-0.001	1905.0000020	0.001
0	1855.0000010	0.001	1905.0000030	0.002
10	1855.0000030	0.002	1904.9999990	-0.001
20	1855.0000020	0.001	1905.0000020	0.001
30	1854.9999960	-0.002	1904.9999990	-0.001
40	1855.0000040	0.002	1904.9999960	-0.002
50	1854.9999980	-0.001	1905.0000020	0.001
60	1855.0000040	0.002	1904.9999960	-0.002
70	1855.0000030	0.002	1904.9999990	-0.001
80	1854.9999970	-0.002	1905.0000020	0.001
85	1855.0000020	0.001	1905.0000020	0.001

Cat-M1 Band 2, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 18675 (1857.5 MHz)		CH 19125 (1902.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1857.4999970	-0.002	1902.5000040	0.002
7.2	1857.5000020	0.001	1902.4999970	-0.002
8.28	1857.4999970	-0.002	1902.5000020	0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 18675 (1857.5 MHz)		CH 19125 (1902.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1857.5000020	0.001	1902.5000020	0.001
-30	1857.5000030	0.002	1902.4999990	-0.001
-20	1857.4999970	-0.002	1902.4999990	-0.001
-10	1857.4999970	-0.002	1902.4999990	-0.001
0	1857.5000020	0.001	1902.4999960	-0.002
10	1857.5000030	0.002	1902.5000020	0.001
20	1857.4999980	-0.001	1902.5000020	0.001
30	1857.5000010	0.001	1902.4999980	-0.001
40	1857.4999960	-0.002	1902.4999970	-0.002
50	1857.5000010	0.001	1902.4999990	-0.001
60	1857.5000010	0.001	1902.4999970	-0.002
70	1857.4999980	-0.001	1902.4999990	-0.001
80	1857.4999970	-0.002	1902.4999960	-0.002
85	1857.5000010	0.001	1902.4999960	-0.002

Cat-M1 Band 2, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 18700 (1860 MHz)		CH 19100 (1900 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1860.0000010	0.001	1900.0000020	0.001
7.2	1860.0000020	0.001	1900.0000030	0.002
8.28	1859.9999980	-0.001	1900.0000040	0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 18700 (1860 MHz)		CH 19100 (1900 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1859.9999960	-0.002	1900.0000040	0.002
-30	1859.9999990	-0.001	1899.9999980	-0.001
-20	1859.9999970	-0.002	1900.0000010	0.001
-10	1860.0000030	0.002	1899.9999960	-0.002
0	1859.9999970	-0.002	1899.9999960	-0.002
10	1860.0000030	0.002	1900.0000020	0.001
20	1860.0000040	0.002	1899.9999960	-0.002
30	1860.0000040	0.002	1900.0000020	0.001
40	1860.0000030	0.002	1900.0000040	0.002
50	1860.0000030	0.002	1900.0000030	0.002
60	1860.0000030	0.002	1899.9999990	-0.001
70	1860.0000040	0.002	1900.0000020	0.001
80	1860.0000020	0.001	1899.9999990	-0.001
85	1859.9999990	-0.001	1900.0000020	0.001

7.8.2 Cat-M1 Band 4

Cat-M1 Band 4, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 19957 (1710.7 MHz)		CH 20393 (1754.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1710.7000040	0.002	1754.3000020	0.001
7.2	1710.6999970	-0.002	1754.3000020	0.001
8.28	1710.7000020	0.001	1754.2999980	-0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 19957 (1710.7 MHz)		CH 20393 (1754.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1710.6999960	-0.002	1754.2999980	-0.001
-30	1710.6999960	-0.002	1754.2999990	-0.001
-20	1710.6999990	-0.001	1754.2999970	-0.002
-10	1710.6999980	-0.001	1754.3000040	0.002
0	1710.6999970	-0.002	1754.3000020	0.001
10	1710.7000030	0.002	1754.2999960	-0.002
20	1710.7000020	0.001	1754.3000040	0.002
30	1710.7000010	0.001	1754.2999960	-0.002
40	1710.7000040	0.002	1754.3000010	0.001
50	1710.7000030	0.002	1754.3000020	0.001
60	1710.6999980	-0.001	1754.3000010	0.001
70	1710.6999980	-0.001	1754.3000030	0.002
80	1710.6999990	-0.001	1754.2999990	-0.001
85	1710.7000040	0.002	1754.3000020	0.001

Cat-M1 Band 4, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 19965 (1711.5 MHz)		CH 20385 (1753.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1711.5000010	0.001	1753.5000030	0.002
7.2	1711.5000020	0.001	1753.4999970	-0.002
8.28	1711.5000020	0.001	1753.4999980	-0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 19965 (1711.5 MHz)		CH 20385 (1753.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1711.4999980	-0.001	1753.4999970	-0.002
-30	1711.5000040	0.002	1753.5000020	0.001
-20	1711.5000010	0.001	1753.4999990	-0.001
-10	1711.4999960	-0.002	1753.4999990	-0.001
0	1711.5000020	0.001	1753.4999980	-0.001
10	1711.4999990	-0.001	1753.5000010	0.001
20	1711.5000020	0.001	1753.4999960	-0.002
30	1711.5000030	0.002	1753.5000040	0.002
40	1711.5000030	0.002	1753.4999970	-0.002
50	1711.4999960	-0.002	1753.4999960	-0.002
60	1711.5000020	0.001	1753.5000040	0.002
70	1711.4999960	-0.002	1753.4999990	-0.001
80	1711.5000010	0.001	1753.5000010	0.001
85	1711.5000030	0.002	1753.5000040	0.002

Cat-M1 Band 4, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 19975 (1712.5 MHz)		CH 20375 (1752.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1712.4999990	-0.001	1752.4999980	-0.001
7.2	1712.4999990	-0.001	1752.4999990	-0.001
8.28	1712.5000010	0.001	1752.4999990	-0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 19975 (1712.5 MHz)		CH 20375 (1752.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1712.5000040	0.002	1752.4999970	-0.002
-30	1712.5000040	0.002	1752.4999970	-0.002
-20	1712.5000010	0.001	1752.4999980	-0.001
-10	1712.5000020	0.001	1752.4999960	-0.002
0	1712.4999970	-0.002	1752.4999980	-0.001
10	1712.5000040	0.002	1752.5000020	0.001
20	1712.5000010	0.001	1752.4999970	-0.002
30	1712.5000030	0.002	1752.4999990	-0.001
40	1712.5000020	0.001	1752.5000030	0.002
50	1712.4999990	-0.001	1752.5000010	0.001
60	1712.5000040	0.002	1752.5000020	0.001
70	1712.5000040	0.002	1752.4999960	-0.002
80	1712.4999960	-0.002	1752.5000030	0.002
85	1712.5000040	0.002	1752.5000010	0.001

Cat-M1 Band 4, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20000 (1715 MHz)		CH 20350 (1750 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1715.0000010	0.001	1750.0000020	0.001
7.2	1714.9999960	-0.002	1750.0000020	0.001
8.28	1714.9999970	-0.002	1749.9999970	-0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20000 (1715 MHz)		CH 20350 (1750 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1715.0000020	0.001	1750.0000020	0.001
-30	1715.0000020	0.001	1750.0000020	0.001
-20	1714.9999960	-0.002	1750.0000040	0.002
-10	1715.0000040	0.002	1749.9999990	-0.001
0	1715.0000030	0.002	1750.0000010	0.001
10	1714.9999970	-0.002	1749.9999970	-0.002
20	1714.9999960	-0.002	1749.9999990	-0.001
30	1714.9999980	-0.001	1750.0000040	0.002
40	1715.0000040	0.002	1749.9999980	-0.001
50	1715.0000020	0.001	1750.0000010	0.001
60	1714.9999970	-0.002	1749.9999990	-0.001
70	1715.0000030	0.002	1750.0000040	0.002
80	1715.0000030	0.002	1750.0000040	0.002
85	1714.9999960	-0.002	1750.0000020	0.001

Cat-M1 Band 4, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20025 (1717.5 MHz)		CH 20325 (1747.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1717.5000030	0.002	1747.4999990	-0.001
7.2	1717.4999980	-0.001	1747.5000030	0.002
8.28	1717.4999970	-0.002	1747.5000020	0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20025 (1717.5 MHz)		CH 20325 (1747.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1717.5000030	0.002	1747.4999970	-0.002
-30	1717.4999960	-0.002	1747.5000010	0.001
-20	1717.5000020	0.001	1747.5000020	0.001
-10	1717.4999970	-0.002	1747.5000040	0.002
0	1717.4999970	-0.002	1747.4999960	-0.002
10	1717.4999960	-0.002	1747.4999990	-0.001
20	1717.5000020	0.001	1747.5000020	0.001
30	1717.5000010	0.001	1747.4999970	-0.002
40	1717.4999980	-0.001	1747.4999970	-0.002
50	1717.5000010	0.001	1747.5000030	0.002
60	1717.4999990	-0.001	1747.4999990	-0.001
70	1717.5000020	0.001	1747.4999970	-0.002
80	1717.4999960	-0.002	1747.5000040	0.002
85	1717.5000040	0.002	1747.5000020	0.001

Cat-M1 Band 4, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20050 (1720 MHz)		CH 20300 (1745 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1720.0000010	0.001	1745.0000020	0.001
7.2	1719.9999980	-0.001	1744.9999990	-0.001
8.28	1720.0000020	0.001	1744.9999970	-0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20050 (1720 MHz)		CH 20300 (1745 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1720.0000040	0.002	1744.9999980	-0.001
-30	1719.9999990	-0.001	1745.0000030	0.002
-20	1720.0000030	0.002	1745.0000040	0.002
-10	1719.9999980	-0.001	1744.9999970	-0.002
0	1720.0000020	0.001	1745.0000030	0.002
10	1719.9999980	-0.001	1745.0000020	0.001
20	1719.9999960	-0.002	1745.0000030	0.002
30	1720.0000030	0.002	1745.0000010	0.001
40	1719.9999990	-0.001	1745.0000030	0.002
50	1719.9999970	-0.002	1744.9999970	-0.002
60	1720.0000040	0.002	1745.0000030	0.002
70	1719.9999960	-0.002	1745.0000020	0.001
80	1719.9999960	-0.002	1744.9999990	-0.001
85	1719.9999990	-0.001	1744.9999980	-0.001

7.8.3 Cat-M1 Band 5

Cat-M1 Band 5, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20407 (824.7 MHz)		CH 20643 (848.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	824.7000030	0.004	848.2999960	-0.005
7.2	824.6999980	-0.002	848.3000040	0.005
8.28	824.7000030	0.004	848.2999980	-0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20407 (824.7 MHz)		CH 20643 (848.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	824.6999980	-0.002	848.2999980	-0.002
-30	824.6999980	-0.002	848.3000010	0.001
-20	824.6999990	-0.001	848.3000010	0.001
-10	824.7000030	0.004	848.3000010	0.001
0	824.7000020	0.002	848.3000020	0.002
10	824.7000030	0.004	848.3000020	0.002
20	824.7000040	0.005	848.2999960	-0.005
30	824.6999970	-0.004	848.2999960	-0.005
40	824.6999970	-0.004	848.2999970	-0.004
50	824.7000020	0.002	848.3000020	0.002
60	824.7000010	0.001	848.3000010	0.001
70	824.6999970	-0.004	848.2999980	-0.002
80	824.7000030	0.004	848.2999970	-0.004
85	824.7000030	0.004	848.3000010	0.001

Cat-M1 Band 5, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20415 (825.5 MHz)		CH 20635 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	825.4999960	-0.005	847.4999970	-0.004
7.2	825.5000020	0.002	847.4999980	-0.002
8.28	825.5000030	0.004	847.4999970	-0.004

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20415 (825.5 MHz)		CH 20635 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	825.5000020	0.002	847.4999980	-0.002
-30	825.5000010	0.001	847.5000030	0.004
-20	825.4999990	-0.001	847.5000010	0.001
-10	825.5000020	0.002	847.4999990	-0.001
0	825.4999980	-0.002	847.4999990	-0.001
10	825.5000010	0.001	847.4999990	-0.001
20	825.5000040	0.005	847.5000010	0.001
30	825.5000020	0.002	847.5000030	0.004
40	825.4999990	-0.001	847.5000030	0.004
50	825.5000010	0.001	847.4999970	-0.004
60	825.4999990	-0.001	847.4999990	-0.001
70	825.5000040	0.005	847.4999980	-0.002
80	825.5000010	0.001	847.5000030	0.004
85	825.5000040	0.005	847.4999980	-0.002

Cat-M1 Band 5, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20425 (826.5 MHz)		CH 20625 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	826.4999960	-0.005	846.5000030	0.004
7.2	826.4999980	-0.002	846.4999980	-0.002
8.28	826.4999990	-0.001	846.5000020	0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20425 (826.5 MHz)		CH 20625 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	826.5000030	0.004	846.5000010	0.001
-30	826.4999990	-0.001	846.5000030	0.004
-20	826.4999970	-0.004	846.4999960	-0.005
-10	826.5000030	0.004	846.4999990	-0.001
0	826.5000020	0.002	846.4999990	-0.001
10	826.4999970	-0.004	846.5000030	0.004
20	826.4999990	-0.001	846.4999970	-0.004
30	826.5000030	0.004	846.4999990	-0.001
40	826.4999990	-0.001	846.5000040	0.005
50	826.5000040	0.005	846.5000010	0.001
60	826.5000020	0.002	846.5000020	0.002
70	826.4999960	-0.005	846.5000030	0.004
80	826.4999960	-0.005	846.5000040	0.005
85	826.4999960	-0.005	846.5000020	0.002

Cat-M1 Band 5, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20450 (829 MHz)		CH 20600 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	829.0000030	0.004	844.0000020	0.002
7.2	828.9999970	-0.004	843.9999970	-0.004
8.28	829.0000010	0.001	844.0000030	0.004

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20450 (829 MHz)		CH 20600 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	829.0000030	0.004	843.9999990	-0.001
-30	829.0000030	0.004	843.9999970	-0.004
-20	828.9999970	-0.004	844.0000040	0.005
-10	828.9999970	-0.004	844.0000020	0.002
0	828.9999990	-0.001	844.0000030	0.004
10	828.9999970	-0.004	843.9999990	-0.001
20	829.0000010	0.001	844.0000030	0.004
30	829.0000010	0.001	843.9999970	-0.004
40	828.9999980	-0.002	843.9999980	-0.002
50	829.0000010	0.001	843.9999970	-0.004
60	829.0000040	0.005	843.9999970	-0.004
70	829.0000010	0.001	843.9999990	-0.001
80	829.0000020	0.002	844.0000020	0.002
85	828.9999970	-0.004	844.0000040	0.005

7.8.4 Cat-M1 Band 12

Cat-M1 Band 12, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23017 (699.7 MHz)		CH 23173 (715.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	699.7000010	0.001	715.2999970	-0.004
7.2	699.7000010	0.001	715.2999960	-0.006
8.28	699.6999990	-0.001	715.2999960	-0.006

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23017 (699.7 MHz)		CH 23173 (715.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	699.6999990	-0.001	715.2999960	-0.006
-30	699.7000010	0.001	715.3000030	0.004
-20	699.7000020	0.003	715.3000040	0.006
-10	699.7000040	0.006	715.2999960	-0.006
0	699.7000020	0.003	715.3000020	0.003
10	699.7000010	0.001	715.2999970	-0.004
20	699.7000030	0.004	715.3000030	0.004
30	699.6999990	-0.001	715.2999970	-0.004
40	699.6999980	-0.003	715.2999960	-0.006
50	699.7000010	0.001	715.2999980	-0.003
60	699.7000030	0.004	715.3000030	0.004
70	699.7000030	0.004	715.2999990	-0.001
80	699.7000030	0.004	715.2999960	-0.006
85	699.7000020	0.003	715.2999960	-0.006

Cat-M1 Band 12, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23025 (700.5 MHz)		CH 23165 (714.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	700.5000010	0.001	714.4999980	-0.003
7.2	700.4999980	-0.003	714.5000010	0.001
8.28	700.5000040	0.006	714.4999980	-0.003

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23025 (700.5 MHz)		CH 23165 (714.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	700.5000040	0.006	714.4999980	-0.003
-30	700.4999970	-0.004	714.5000020	0.003
-20	700.5000040	0.006	714.4999960	-0.006
-10	700.5000010	0.001	714.4999980	-0.003
0	700.5000040	0.006	714.4999960	-0.006
10	700.5000030	0.004	714.4999980	-0.003
20	700.5000010	0.001	714.5000040	0.006
30	700.5000020	0.003	714.4999980	-0.003
40	700.4999990	-0.001	714.5000030	0.004
50	700.5000040	0.006	714.5000020	0.003
60	700.4999980	-0.003	714.5000040	0.006
70	700.4999960	-0.006	714.5000040	0.006
80	700.5000040	0.006	714.4999990	-0.001
85	700.4999990	-0.001	714.4999960	-0.006

Cat-M1 Band 12, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23035 (701.5 MHz)		CH 23155 (713.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	701.5000040	0.006	713.4999960	-0.006
7.2	701.5000040	0.006	713.4999980	-0.003
8.28	701.5000010	0.001	713.5000040	0.006

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23035 (701.5 MHz)		CH 23155 (713.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	701.5000010	0.001	713.5000040	0.006
-30	701.5000010	0.001	713.5000010	0.001
-20	701.5000040	0.006	713.4999970	-0.004
-10	701.4999980	-0.003	713.4999980	-0.003
0	701.5000040	0.006	713.4999960	-0.006
10	701.5000020	0.003	713.5000010	0.001
20	701.4999960	-0.006	713.5000020	0.003
30	701.4999960	-0.006	713.4999980	-0.003
40	701.5000030	0.004	713.4999970	-0.004
50	701.5000040	0.006	713.5000010	0.001
60	701.4999970	-0.004	713.5000020	0.003
70	701.4999970	-0.004	713.4999960	-0.006
80	701.5000040	0.006	713.5000010	0.001
85	701.5000030	0.004	713.5000030	0.004

Cat-M1 Band 12, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23060 (704 MHz)		CH 23130 (711 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	704.0000020	0.003	710.9999970	-0.004
7.2	703.9999980	-0.003	710.9999970	-0.004
8.28	704.0000030	0.004	711.0000030	0.004

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23060 (704 MHz)		CH 23130 (711 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	703.9999990	-0.001	711.0000010	0.001
-30	703.9999960	-0.006	711.0000020	0.003
-20	703.9999980	-0.003	711.0000030	0.004
-10	703.9999970	-0.004	710.9999970	-0.004
0	704.0000020	0.003	710.9999960	-0.006
10	704.0000020	0.003	711.0000030	0.004
20	703.9999960	-0.006	710.9999970	-0.004
30	703.9999960	-0.006	710.9999970	-0.004
40	703.9999970	-0.004	710.9999970	-0.004
50	703.9999960	-0.006	711.0000030	0.004
60	703.9999970	-0.004	711.0000010	0.001
70	703.9999970	-0.004	711.0000040	0.006
80	703.9999980	-0.003	711.0000020	0.003
85	703.9999970	-0.004	710.9999980	-0.003

7.8.5 Cat-M1 Band 13

Cat-M1 Band 13, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23205 (779.5 MHz)		CH 23255 (784.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	779.4999990	-0.001	784.4999980	-0.003
7.2	779.5000020	0.003	784.5000020	0.003
8.28	779.5000030	0.004	784.4999980	-0.003

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23205 (779.5 MHz)		CH 23255 (784.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	779.5000020	0.003	784.4999970	-0.004
-30	779.5000020	0.003	784.4999980	-0.003
-20	779.4999960	-0.005	784.4999980	-0.003
-10	779.4999980	-0.003	784.5000010	0.001
0	779.4999980	-0.003	784.5000010	0.001
10	779.5000040	0.005	784.5000030	0.004
20	779.4999970	-0.004	784.5000010	0.001
30	779.4999980	-0.003	784.4999990	-0.001
40	779.5000040	0.005	784.5000020	0.003
50	779.4999970	-0.004	784.4999980	-0.003
60	779.4999970	-0.004	784.5000040	0.005
70	779.5000030	0.004	784.4999960	-0.005
80	779.4999960	-0.005	784.5000040	0.005
85	779.4999960	-0.005	784.5000020	0.003

Cat-M1 Band 13, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 23230 (782 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
6.12	782.0000030	0.004
7.2	782.0000020	0.003
8.28	781.9999980	-0.003

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 23230 (782 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	781.9999960	-0.005
-30	782.0000010	0.001
-20	782.0000010	0.001
-10	781.9999980	-0.003
0	781.9999990	-0.001
10	782.0000030	0.004
20	781.9999980	-0.003
30	782.0000020	0.003
40	782.0000040	0.005
50	781.9999980	-0.003
60	782.0000030	0.004
70	782.0000020	0.003
80	782.0000030	0.004
85	781.9999990	-0.001

7.8.6 Cat-M1 Band 25

Cat-M1 Band 25, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26047 (1850.7 MHz)		CH 26683 (1914.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1850.7000030	0.002	1914.3000010	0.001
7.2	1850.7000030	0.002	1914.3000030	0.002
8.28	1850.6999970	-0.002	1914.2999970	-0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26047 (1850.7 MHz)		CH 26683 (1914.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1850.7000020	0.001	1914.2999990	-0.001
-30	1850.7000020	0.001	1914.2999970	-0.002
-20	1850.6999960	-0.002	1914.2999970	-0.002
-10	1850.6999960	-0.002	1914.3000010	0.001
0	1850.6999970	-0.002	1914.2999980	-0.001
10	1850.6999980	-0.001	1914.3000030	0.002
20	1850.6999960	-0.002	1914.2999970	-0.002
30	1850.6999970	-0.002	1914.3000020	0.001
40	1850.7000030	0.002	1914.3000030	0.002
50	1850.7000010	0.001	1914.3000030	0.002
60	1850.6999990	-0.001	1914.2999960	-0.002
70	1850.7000040	0.002	1914.3000020	0.001
80	1850.7000030	0.002	1914.2999990	-0.001
85	1850.6999980	-0.001	1914.2999980	-0.001

Cat-M1 Band 25, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26055 (1851.5 MHz)		CH 26675 (1913.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1851.5000040	0.002	1913.5000030	0.002
7.2	1851.4999980	-0.001	1913.4999980	-0.001
8.28	1851.4999990	-0.001	1913.5000020	0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26055 (1851.5 MHz)		CH 26675 (1913.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1851.5000040	0.002	1913.5000020	0.001
-30	1851.5000040	0.002	1913.4999960	-0.002
-20	1851.4999990	-0.001	1913.5000030	0.002
-10	1851.5000030	0.002	1913.4999980	-0.001
0	1851.5000030	0.002	1913.4999960	-0.002
10	1851.4999970	-0.002	1913.4999970	-0.002
20	1851.4999970	-0.002	1913.5000010	0.001
30	1851.4999970	-0.002	1913.5000040	0.002
40	1851.4999970	-0.002	1913.5000020	0.001
50	1851.4999960	-0.002	1913.4999990	-0.001
60	1851.4999990	-0.001	1913.4999980	-0.001
70	1851.4999960	-0.002	1913.5000020	0.001
80	1851.5000040	0.002	1913.4999980	-0.001
85	1851.4999960	-0.002	1913.5000030	0.002

Cat-M1 Band 25, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26065 (1852.5 MHz)		CH 26665 (1912.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1852.5000030	0.002	1912.5000040	0.002
7.2	1852.4999990	-0.001	1912.4999960	-0.002
8.28	1852.5000020	0.001	1912.4999990	-0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26065 (1852.5 MHz)		CH 26665 (1912.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1852.4999970	-0.002	1912.5000010	0.001
-30	1852.4999990	-0.001	1912.5000010	0.001
-20	1852.5000010	0.001	1912.4999980	-0.001
-10	1852.5000010	0.001	1912.5000040	0.002
0	1852.4999980	-0.001	1912.4999990	-0.001
10	1852.5000020	0.001	1912.4999970	-0.002
20	1852.5000040	0.002	1912.5000030	0.002
30	1852.4999990	-0.001	1912.4999990	-0.001
40	1852.5000000	0.000	1912.5000040	0.002
50	1852.4999990	-0.001	1912.5000010	0.001
60	1852.5000030	0.002	1912.4999970	-0.002
70	1852.4999980	-0.001	1912.5000020	0.001
80	1852.4999990	-0.001	1912.4999970	-0.002
85	1852.4999970	-0.002	1912.4999960	-0.002

Cat-M1 Band 25, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26090 (1855 MHz)		CH 26640 (1910 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1855.0000030	0.002	1910.0000030	0.002
7.2	1855.0000010	0.001	1910.0000010	0.001
8.28	1855.0000030	0.002	1910.0000030	0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26090 (1855 MHz)		CH 26640 (1910 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1854.9999970	-0.002	1910.0000030	0.002
-30	1854.9999970	-0.002	1909.9999980	-0.001
-20	1854.9999980	-0.001	1909.9999970	-0.002
-10	1855.0000020	0.001	1910.0000020	0.001
0	1854.9999970	-0.002	1910.0000040	0.002
10	1855.0000010	0.001	1909.9999970	-0.002
20	1854.9999980	-0.001	1909.9999980	-0.001
30	1855.0000010	0.001	1910.0000010	0.001
40	1855.0000040	0.002	1910.0000010	0.001
50	1855.0000020	0.001	1909.9999980	-0.001
60	1854.9999960	-0.002	1910.0000010	0.001
70	1854.9999970	-0.002	1909.9999970	-0.002
80	1854.9999990	-0.001	1909.9999990	-0.001
85	1855.0000040	0.002	1910.0000020	0.001

Cat-M1 Band 25, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26115 (1857.5 MHz)		CH 26615 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1857.5000020	0.001	1907.5000020	0.001
7.2	1857.5000030	0.002	1907.4999980	-0.001
8.28	1857.4999970	-0.002	1907.5000040	0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26115 (1857.5 MHz)		CH 26615 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1857.5000010	0.001	1907.5000040	0.002
-30	1857.4999960	-0.002	1907.4999990	-0.001
-20	1857.4999990	-0.001	1907.5000030	0.002
-10	1857.4999980	-0.001	1907.4999990	-0.001
0	1857.4999960	-0.002	1907.4999970	-0.002
10	1857.4999960	-0.002	1907.4999960	-0.002
20	1857.5000030	0.002	1907.5000030	0.002
30	1857.5000020	0.001	1907.5000020	0.001
40	1857.5000040	0.002	1907.4999990	-0.001
50	1857.4999970	-0.002	1907.4999980	-0.001
60	1857.4999980	-0.001	1907.5000040	0.002
70	1857.4999990	-0.001	1907.4999980	-0.001
80	1857.5000010	0.001	1907.5000010	0.001
85	1857.4999990	-0.001	1907.5000010	0.001

Cat-M1 Band 25, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26140 (1860 MHz)		CH 26590 (1905 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1860.0000040	0.002	1904.9999980	-0.001
7.2	1859.9999960	-0.002	1905.0000030	0.002
8.28	1860.0000030	0.002	1904.9999980	-0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26140 (1860 MHz)		CH 26590 (1905 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1859.9999980	-0.001	1905.0000040	0.002
-30	1860.0000020	0.001	1904.9999980	-0.001
-20	1859.9999980	-0.001	1904.9999980	-0.001
-10	1860.0000040	0.002	1904.9999990	-0.001
0	1860.0000030	0.002	1905.0000010	0.001
10	1860.0000040	0.002	1904.9999980	-0.001
20	1860.0000010	0.001	1905.0000010	0.001
30	1859.9999960	-0.002	1905.0000030	0.002
40	1860.0000040	0.002	1905.0000010	0.001
50	1859.9999990	-0.001	1904.9999960	-0.002
60	1859.9999990	-0.001	1905.0000030	0.002
70	1859.9999980	-0.001	1905.0000010	0.001
80	1860.0000040	0.002	1904.9999980	-0.001
85	1860.0000010	0.001	1904.9999970	-0.002

7.8.7 Cat-M1 Band 26 (Part 22)

Cat-M1 Band 26, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26797 (824.7 MHz)		CH 27033 (848.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	824.6999980	-0.002	848.3000030	0.004
7.2	824.6999960	-0.005	848.2999970	-0.004
8.28	824.7000040	0.005	848.2999980	-0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26797 (824.7 MHz)		CH 27033 (848.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	824.7000010	0.001	848.2999970	-0.004
-30	824.7000030	0.004	848.3000040	0.005
-20	824.7000040	0.005	848.2999970	-0.004
-10	824.6999960	-0.005	848.2999980	-0.002
0	824.6999980	-0.002	848.2999990	-0.001
10	824.6999980	-0.002	848.3000010	0.001
20	824.6999970	-0.004	848.3000030	0.004
30	824.6999980	-0.002	848.3000030	0.004
40	824.7000010	0.001	848.3000040	0.005
50	824.6999990	-0.001	848.3000020	0.002
60	824.6999970	-0.004	848.2999970	-0.004
70	824.7000030	0.004	848.3000010	0.001
80	824.6999970	-0.004	848.2999990	-0.001
85	824.6999970	-0.004	848.2999960	-0.005

Cat-M1 Band 26, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26805 (825.5 MHz)		CH 27025 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	825.4999980	-0.002	847.5000020	0.002
7.2	825.4999990	-0.001	847.5000020	0.002
8.28	825.5000030	0.004	847.5000040	0.005

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26805 (825.5 MHz)		CH 27025 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	825.4999960	-0.005	847.4999990	-0.001
-30	825.5000020	0.002	847.5000030	0.004
-20	825.4999980	-0.002	847.4999980	-0.002
-10	825.4999980	-0.002	847.5000020	0.002
0	825.4999980	-0.002	847.5000020	0.002
10	825.5000020	0.002	847.4999960	-0.005
20	825.5000030	0.004	847.5000030	0.004
30	825.4999970	-0.004	847.5000030	0.004
40	825.4999960	-0.005	847.4999980	-0.002
50	825.5000040	0.005	847.4999990	-0.001
60	825.5000030	0.004	847.5000040	0.005
70	825.5000010	0.001	847.4999980	-0.002
80	825.5000020	0.002	847.4999990	-0.001
85	825.4999990	-0.001	847.4999960	-0.005

Cat-M1 Band 26, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26815 (826.5 MHz)		CH 27015 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	826.5000030	0.004	846.4999980	-0.002
7.2	826.4999970	-0.004	846.4999980	-0.002
8.28	826.5000040	0.005	846.5000030	0.004

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26815 (826.5 MHz)		CH 27015 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	826.5000040	0.005	846.4999970	-0.004
-30	826.4999990	-0.001	846.5000020	0.002
-20	826.4999960	-0.005	846.5000030	0.004
-10	826.5000020	0.002	846.5000030	0.004
0	826.4999990	-0.001	846.5000030	0.004
10	826.4999960	-0.005	846.5000040	0.005
20	826.5000030	0.004	846.5000020	0.002
30	826.5000010	0.001	846.5000010	0.001
40	826.4999970	-0.004	846.4999960	-0.005
50	826.5000040	0.005	846.4999990	-0.001
60	826.4999990	-0.001	846.4999990	-0.001
70	826.4999970	-0.004	846.5000030	0.004
80	826.5000020	0.002	846.5000010	0.001
85	826.4999970	-0.004	846.5000030	0.004

Cat-M1 Band 26, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26840 (829 MHz)		CH 26990 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	828.9999980	-0.002	843.9999960	-0.005
7.2	828.9999980	-0.002	844.0000030	0.004
8.28	829.0000020	0.002	843.9999970	-0.004

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26840 (829 MHz)		CH 26990 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	829.0000020	0.002	843.9999980	-0.002
-30	828.9999970	-0.004	843.9999980	-0.002
-20	829.0000020	0.002	844.0000040	0.005
-10	828.9999970	-0.004	843.9999990	-0.001
0	829.0000010	0.001	843.9999990	-0.001
10	828.9999960	-0.005	843.9999960	-0.005
20	829.0000030	0.004	843.9999980	-0.002
30	829.0000040	0.005	844.0000040	0.005
40	829.0000020	0.002	844.0000010	0.001
50	829.0000020	0.002	844.0000040	0.005
60	828.9999970	-0.004	844.0000010	0.001
70	828.9999980	-0.002	844.0000020	0.002
80	828.9999960	-0.005	844.0000030	0.004
85	828.9999990	-0.001	844.0000030	0.004

Cat-M1 Band 26, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26865 (831.5 MHz)		CH 26965 (841.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	831.5000030	0.004	841.4999970	-0.004
7.2	831.5000040	0.005	841.4999980	-0.002
8.28	831.5000020	0.002	841.4999970	-0.004

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26865 (831.5 MHz)		CH 26965 (841.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	831.4999970	-0.004	841.5000030	0.004
-30	831.4999990	-0.001	841.5000020	0.002
-20	831.5000040	0.005	841.5000020	0.002
-10	831.5000040	0.005	841.5000030	0.004
0	831.5000040	0.005	841.4999970	-0.004
10	831.4999980	-0.002	841.4999990	-0.001
20	831.4999990	-0.001	841.4999960	-0.005
30	831.5000020	0.002	841.4999990	-0.001
40	831.4999960	-0.005	841.4999970	-0.004
50	831.4999960	-0.005	841.5000040	0.005
60	831.5000010	0.001	841.4999980	-0.002
70	831.4999970	-0.004	841.5000010	0.001
80	831.4999980	-0.002	841.4999990	-0.001
85	831.4999970	-0.004	841.4999990	-0.001

7.8.8 Cat-M1 Band 26 (Part 90)

Cat-M1 Band 26, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26697 (814.7 MHz)		CH 26783 (823.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	814.6999990	-0.001	823.3000030	0.004
7.2	814.6999970	-0.004	823.2999990	-0.001
8.28	814.6999990	-0.001	823.2999970	-0.004

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26697 (814.7 MHz)		CH 26783 (823.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	814.7000020	0.002	823.3000010	0.001
-30	814.7000010	0.001	823.3000030	0.004
-20	814.7000040	0.005	823.3000010	0.001
-10	814.6999980	-0.002	823.3000030	0.004
0	814.7000040	0.005	823.3000030	0.004
10	814.6999960	-0.005	823.3000020	0.002
20	814.7000030	0.004	823.2999960	-0.005
30	814.7000020	0.002	823.3000040	0.005
40	814.7000030	0.004	823.2999970	-0.004
50	814.7000020	0.002	823.2999980	-0.002
60	814.7000010	0.001	823.3000010	0.001
70	814.7000010	0.001	823.3000040	0.005
80	814.7000020	0.002	823.3000040	0.005
85	814.7000040	0.005	823.2999960	-0.005

Cat-M1 Band 26, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26705 (815.5 MHz)		CH 26775 (822.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	815.4999980	-0.002	822.5000020	0.002
7.2	815.4999960	-0.005	822.4999970	-0.004
8.28	815.5000030	0.004	822.4999960	-0.005

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26705 (815.5 MHz)		CH 26775 (822.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	815.5000020	0.002	822.5000030	0.004
-30	815.5000020	0.002	822.5000040	0.005
-20	815.4999980	-0.002	822.4999990	-0.001
-10	815.5000040	0.005	822.4999980	-0.002
0	815.5000010	0.001	822.5000010	0.001
10	815.4999980	-0.002	822.4999970	-0.004
20	815.5000010	0.001	822.5000010	0.001
30	815.4999980	-0.002	822.5000010	0.001
40	815.5000010	0.001	822.5000030	0.004
50	815.4999990	-0.001	822.5000030	0.004
60	815.4999960	-0.005	822.5000030	0.004
70	815.4999970	-0.004	822.4999970	-0.004
80	815.5000040	0.005	822.5000020	0.002
85	815.5000040	0.005	822.5000040	0.005

Cat-M1 Band 26, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26715 (816.5 MHz)		CH 26765 (821.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	816.4999980	-0.002	821.4999980	-0.002
7.2	816.5000040	0.005	821.5000030	0.004
8.28	816.4999970	-0.004	821.4999970	-0.004

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26715 (816.5 MHz)		CH 26765 (821.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	816.5000040	0.005	821.4999990	-0.001
-30	816.4999970	-0.004	821.5000040	0.005
-20	816.4999990	-0.001	821.5000030	0.004
-10	816.5000010	0.001	821.5000040	0.005
0	816.4999970	-0.004	821.5000020	0.002
10	816.4999990	-0.001	821.5000020	0.002
20	816.4999990	-0.001	821.5000030	0.004
30	816.4999970	-0.004	821.5000040	0.005
40	816.5000020	0.002	821.5000040	0.005
50	816.5000040	0.005	821.4999970	-0.004
60	816.5000010	0.001	821.4999980	-0.002
70	816.5000020	0.002	821.4999960	-0.005
80	816.4999990	-0.001	821.4999960	-0.005
85	816.5000040	0.005	821.5000030	0.004

Cat-M1 Band 26, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 26740 (819 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
6.12	819.0000020	0.002
7.2	818.9999960	-0.005
8.28	819.0000030	0.004

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 26740 (819 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	819.0000030	0.004
-30	819.0000040	0.005
-20	818.9999960	-0.005
-10	818.9999970	-0.004
0	819.0000030	0.004
10	819.0000030	0.004
20	818.9999970	-0.004
30	819.0000040	0.005
40	818.9999970	-0.004
50	819.0000030	0.004
60	818.9999990	-0.001
70	819.0000040	0.005
80	819.0000010	0.001
85	818.9999990	-0.001

7.8.9 Cat-M1 Band 66

Cat-M1 Band 66, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 131979 (1710.7 MHz)		CH 132665 (1779.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1710.7000020	0.001	1779.2999980	-0.001
7.2	1710.7000040	0.002	1779.3000010	0.001
8.28	1710.7000010	0.001	1779.3000020	0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 131979 (1710.7 MHz)		CH 132665 (1779.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1710.6999990	-0.001	1779.3000010	0.001
-30	1710.6999960	-0.002	1779.3000020	0.001
-20	1710.6999980	-0.001	1779.2999960	-0.002
-10	1710.7000040	0.002	1779.3000020	0.001
0	1710.7000040	0.002	1779.2999980	-0.001
10	1710.7000010	0.001	1779.3000030	0.002
20	1710.7000030	0.002	1779.3000040	0.002
30	1710.6999990	-0.001	1779.2999970	-0.002
40	1710.6999970	-0.002	1779.3000040	0.002
50	1710.7000020	0.001	1779.3000040	0.002
60	1710.6999970	-0.002	1779.3000020	0.001
70	1710.7000040	0.002	1779.2999970	-0.002
80	1710.6999990	-0.001	1779.2999990	-0.001
85	1710.7000040	0.002	1779.3000020	0.001

Cat-M1 Band 66, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 131987 (1711.5 MHz)		CH 132657 (1778.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1711.4999980	-0.001	1778.4999980	-0.001
7.2	1711.4999970	-0.002	1778.5000020	0.001
8.28	1711.4999970	-0.002	1778.5000020	0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 131987 (1711.5 MHz)		CH 132657 (1778.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1711.5000020	0.001	1778.4999960	-0.002
-30	1711.5000010	0.001	1778.5000040	0.002
-20	1711.5000030	0.002	1778.4999990	-0.001
-10	1711.4999960	-0.002	1778.4999960	-0.002
0	1711.4999970	-0.002	1778.4999980	-0.001
10	1711.5000030	0.002	1778.4999980	-0.001
20	1711.5000030	0.002	1778.5000010	0.001
30	1711.5000030	0.002	1778.4999990	-0.001
40	1711.4999960	-0.002	1778.5000020	0.001
50	1711.4999970	-0.002	1778.4999960	-0.002
60	1711.4999970	-0.002	1778.5000010	0.001
70	1711.4999980	-0.001	1778.4999980	-0.001
80	1711.4999960	-0.002	1778.4999980	-0.001
85	1711.5000040	0.002	1778.5000010	0.001

Cat-M1 Band 66, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 131997 (1712.5 MHz)		CH 132647 (1777.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1712.5000020	0.001	1777.4999990	-0.001
7.2	1712.4999980	-0.001	1777.4999990	-0.001
8.28	1712.4999970	-0.002	1777.5000020	0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 131997 (1712.5 MHz)		CH 132647 (1777.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1712.4999990	-0.001	1777.5000010	0.001
-30	1712.5000020	0.001	1777.4999960	-0.002
-20	1712.4999980	-0.001	1777.4999980	-0.001
-10	1712.4999980	-0.001	1777.5000030	0.002
0	1712.4999960	-0.002	1777.5000010	0.001
10	1712.5000010	0.001	1777.5000020	0.001
20	1712.4999990	-0.001	1777.5000020	0.001
30	1712.4999970	-0.002	1777.5000020	0.001
40	1712.4999960	-0.002	1777.5000030	0.002
50	1712.4999960	-0.002	1777.5000040	0.002
60	1712.4999970	-0.002	1777.5000030	0.002
70	1712.4999990	-0.001	1777.4999970	-0.002
80	1712.4999990	-0.001	1777.4999980	-0.001
85	1712.4999990	-0.001	1777.5000040	0.002

Cat-M1 Band 66, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 132022 (1715 MHz)		CH 132622 (1775 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1715.0000040	0.002	1775.0000040	0.002
7.2	1714.9999990	-0.001	1775.0000010	0.001
8.28	1714.9999980	-0.001	1775.0000010	0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 132022 (1715 MHz)		CH 132622 (1775 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1715.0000040	0.002	1775.0000030	0.002
-30	1715.0000030	0.002	1774.9999980	-0.001
-20	1714.9999960	-0.002	1775.0000010	0.001
-10	1714.9999960	-0.002	1775.0000040	0.002
0	1715.0000020	0.001	1774.9999980	-0.001
10	1715.0000020	0.001	1774.9999980	-0.001
20	1715.0000010	0.001	1775.0000010	0.001
30	1714.9999960	-0.002	1774.9999980	-0.001
40	1715.0000020	0.001	1775.0000040	0.002
50	1714.9999960	-0.002	1774.9999990	-0.001
60	1714.9999970	-0.002	1775.0000020	0.001
70	1715.0000010	0.001	1774.9999970	-0.002
80	1715.0000030	0.002	1775.0000030	0.002
85	1715.0000030	0.002	1774.9999980	-0.001

Cat-M1 Band 66, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 132047 (1717.5 MHz)		CH 132597 (1772.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1717.5000040	0.002	1772.4999960	-0.002
7.2	1717.5000030	0.002	1772.5000040	0.002
8.28	1717.5000020	0.001	1772.4999960	-0.002

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 132047 (1717.5 MHz)		CH 132597 (1772.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1717.5000030	0.002	1772.5000020	0.001
-30	1717.5000040	0.002	1772.5000010	0.001
-20	1717.5000040	0.002	1772.4999990	-0.001
-10	1717.5000020	0.001	1772.5000020	0.001
0	1717.4999980	-0.001	1772.5000030	0.002
10	1717.5000020	0.001	1772.5000010	0.001
20	1717.5000040	0.002	1772.5000020	0.001
30	1717.5000040	0.002	1772.5000030	0.002
40	1717.5000030	0.002	1772.4999970	-0.002
50	1717.4999990	-0.001	1772.4999980	-0.001
60	1717.4999970	-0.002	1772.5000030	0.002
70	1717.5000030	0.002	1772.5000040	0.002
80	1717.5000040	0.002	1772.4999970	-0.002
85	1717.4999970	-0.002	1772.4999960	-0.002

Cat-M1 Band 66, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 132072 (1720 MHz)		CH 132572 (1770 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	1719.9999980	-0.001	1770.0000010	0.001
7.2	1720.0000030	0.002	1769.9999960	-0.002
8.28	1719.9999960	-0.002	1770.0000010	0.001

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 132072 (1720 MHz)		CH 132572 (1770 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	1720.0000010	0.001	1770.0000020	0.001
-30	1719.9999990	-0.001	1769.9999970	-0.002
-20	1719.9999960	-0.002	1769.9999980	-0.001
-10	1720.0000010	0.001	1769.9999980	-0.001
0	1719.9999990	-0.001	1769.9999980	-0.001
10	1719.9999990	-0.001	1770.0000020	0.001
20	1720.0000010	0.001	1770.0000030	0.002
30	1719.9999980	-0.001	1770.0000030	0.002
40	1720.0000040	0.002	1769.9999990	-0.001
50	1719.9999960	-0.002	1770.0000030	0.002
60	1719.9999980	-0.001	1769.9999970	-0.002
70	1719.9999980	-0.001	1770.0000010	0.001
80	1719.9999970	-0.002	1769.9999960	-0.002
85	1720.0000010	0.001	1770.0000030	0.002

7.8.10 Cat-M1 Band 85

Cat-M1 Band 85, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 134027 (700.5 MHz)		CH 134157 (713.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	700.4999970	-0.004	713.5000020	0.003
7.2	700.5000040	0.006	713.5000010	0.001
8.28	700.4999970	-0.004	713.4999980	-0.003

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 134027 (700.5 MHz)		CH 134157 (713.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	700.5000030	0.004	713.5000020	0.003
-30	700.5000010	0.001	713.5000040	0.006
-20	700.5000030	0.004	713.4999960	-0.006
-10	700.4999970	-0.004	713.5000040	0.006
0	700.4999970	-0.004	713.4999980	-0.003
10	700.5000030	0.004	713.4999990	-0.001
20	700.4999960	-0.006	713.5000020	0.003
30	700.5000020	0.003	713.5000030	0.004
40	700.5000030	0.004	713.5000020	0.003
50	700.5000040	0.006	713.4999970	-0.004
60	700.5000030	0.004	713.4999990	-0.001
70	700.5000030	0.004	713.4999990	-0.001
80	700.4999980	-0.003	713.5000040	0.006
85	700.5000040	0.006	713.5000020	0.003

Cat-M1 Band 85, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 134052 (703 MHz)		CH 134132 (711 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
6.12	702.9999980	-0.003	711.0000030	0.004
7.2	702.9999990	-0.001	711.0000010	0.001
8.28	702.9999960	-0.006	711.0000020	0.003

Note: The applicant defined the normal working voltage is from 6.12 to 8.28 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 134052 (703 MHz)		CH 134132 (711 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	703.0000030	0.004	711.0000030	0.004
-30	703.0000010	0.001	710.9999970	-0.004
-20	702.9999980	-0.003	710.9999990	-0.001
-10	703.0000030	0.004	710.9999970	-0.004
0	703.0000010	0.001	710.9999990	-0.001
10	702.9999970	-0.004	711.0000030	0.004
20	703.0000020	0.003	710.9999960	-0.006
30	703.0000010	0.001	711.0000030	0.004
40	703.0000020	0.003	711.0000030	0.004
50	703.0000040	0.006	710.9999960	-0.006
60	703.0000030	0.004	711.0000040	0.006
70	703.0000040	0.006	710.9999960	-0.006
80	702.9999980	-0.003	711.0000030	0.004
85	703.0000030	0.004	711.0000040	0.006

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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