

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-22.30	-13.00	-9.30	2.50 H	63	81.77	-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	1673.00	-19.92	-13.00	-6.92	1.15 V	7	84.15	-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.

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-22.47	-13.00	-9.47	2.50 H	65	81.59	-104.06
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	-19.97	-13.00	-6.97	1.20 V	5	84.09	-104.06

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-22.85	-13.00	-9.85	2.51 H	73	81.22	-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	1663.00	-19.99	-13.00	-6.99	1.17 V	6	84.08	-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.

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	23 °C, 67 % RH
Tested By	Charles Hsiao		

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	-21.65	-13.00	-8.65	2.49 H	69	82.42	-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	1673.00	-19.61	-13.00	-6.61	1.19 V	7	84.46	-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.

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-22.97	-13.00	-9.97	2.55 H	74	81.10	-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	1683.00	-19.72	-13.00	-6.72	1.19 V	7	84.35	-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.

7.7.10 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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-44.51	-13.00	-31.51	1.55 H	221	59.58	-104.09
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	-37.89	-13.00	-24.89	1.50 V	30	66.20	-104.09

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-44.41	-13.00	-31.41	1.55 H	226	59.67	-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	1638.00	-37.86	-13.00	-24.86	1.50 V	29	66.22	-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 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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-44.63	-13.00	-31.63	1.50 H	220	59.44	-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	1646.60	-37.78	-13.00	-24.78	1.51 V	26	66.29	-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.

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-44.77	-13.00	-31.77	1.52 H	220	59.32	-104.09
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	-37.94	-13.00	-24.94	1.51 V	26	66.15	-104.09

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-44.36	-13.00	-31.36	1.54 H	221	59.72	-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	1638.00	-38.14	-13.00	-25.14	1.52 V	32	65.94	-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 26 Channel Bandwidth: 5MHz	Channel	CH 26765 : 821.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-45.00	-13.00	-32.00	1.48 H	215	59.08	-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	1643.00	-37.84	-13.00	-24.84	1.50 V	31	66.24	-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 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	23 °C, 67 % RH
Tested By	Charles Hsiao		

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	-44.11	-13.00	-31.11	1.56 H	222	59.97	-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	1638.00	-37.54	-13.00	-24.54	1.51 V	29	66.54	-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.

7.7.11 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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-39.09	-13.00	-26.09	1.15 H	317	57.23	-96.32
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	-29.26	-13.00	-16.26	1.55 V	160	67.06	-96.32

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.

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-39.08	-13.00	-26.08	1.15 H	325	57.01	-96.09
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	-28.87	-13.00	-15.87	1.54 V	155	67.22	-96.09

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-39.20	-13.00	-26.20	1.15 H	320	56.89	-96.09
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	-29.55	-13.00	-16.55	1.53 V	159	66.54	-96.09

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-38.65	-13.00	-25.65	1.15 H	120	57.66	-96.31
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	-29.29	-13.00	-16.29	1.51 V	157	67.02	-96.31

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-39.00	-13.00	-26.00	1.14 H	322	57.09	-96.09
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	-28.95	-13.00	-15.95	1.50 V	166	67.14	-96.09

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-38.89	-13.00	-25.89	1.14 H	122	57.22	-96.11
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	3555.00	-28.94	-13.00	-15.94	1.56 V	170	67.17	-96.11

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 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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-38.60	-13.00	-25.60	1.15 H	315	57.70	-96.30
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	-29.29	-13.00	-16.29	1.55 V	168	67.01	-96.30

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	23 °C, 67 % RH
Tested By	Charles Hsiao		

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	-38.51	-13.00	-25.51	1.16 H	321	57.77	-96.28
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	-28.30	-13.00	-15.30	1.55 V	164	67.98	-96.28

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-38.74	-13.00	-25.74	1.10 H	326	57.42	-96.16
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	-28.47	-13.00	-15.47	1.52 V	162	67.69	-96.16

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.

7.7.12 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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-21.55	-13.00	-8.55	1.50 H	40	82.76	-104.31
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	-18.82	-13.00	-5.82	1.74 V	180	85.49	-104.31

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.

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-21.59	-13.00	-8.59	1.48 H	40	82.69	-104.28
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	-18.80	-13.00	-5.80	1.75 V	179	85.48	-104.28

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: 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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-21.69	-13.00	-8.69	1.51 H	36	82.56	-104.25
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	-18.75	-13.00	-5.75	1.75 V	174	85.50	-104.25

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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-22.08	-13.00	-9.08	1.49 H	42	82.22	-104.30
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	-19.17	-13.00	-6.17	1.78 V	191	85.13	-104.30

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.

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	23 °C, 67 % RH
Tested By	Charles Hsiao		

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	-21.38	-13.00	-8.38	1.50 H	44	82.90	-104.28
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	-18.63	-13.00	-5.63	1.77 V	182	85.65	-104.28

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 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	25 °C, 65 % RH
Tested By	Charles Hsiao		

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	-21.83	-13.00	-8.83	1.51 H	43	82.43	-104.26
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	-19.68	-13.00	-6.68	1.75 V	188	84.58	-104.26

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:	Match Tsui
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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)
3.8	1851.500001	0.000540	1908.500002	0.001048
2.5	1851.500005	0.002701	1908.499998	-0.001048
4.4	1851.499997	-0.001620	1908.499997	-0.001572

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1850.700002	0.001081	1909.299997	-0.001571
-30	1850.699998	-0.001081	1909.299999	-0.000524
-20	1850.700003	0.001621	1909.299995	-0.002619
-10	1850.700004	0.002161	1909.299997	-0.001571
0	1850.700005	0.002702	1909.300001	0.000524
10	1850.700005	0.002702	1909.300005	0.002619
20	1850.699998	-0.001081	1909.299997	-0.001571
30	1850.700004	0.002161	1909.300002	0.001048
40	1850.700002	0.001081	1909.300003	0.001571
50	1850.699996	-0.002161	1909.300003	0.001571
60	1850.700004	0.002161	1909.300005	0.002619
70	1850.700001	0.000540	1909.299998	-0.001048
80	1850.700002	0.001081	1909.300002	0.001048
85	1850.700003	0.001621	1909.300005	0.002619

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)
3.8	1851.500001	0.000540	1908.500002	0.001048
2.5	1851.500005	0.002701	1908.499998	-0.001048
4.4	1851.499997	-0.001620	1908.499997	-0.001572

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1851.499995	-0.002701	1908.499997	-0.001572
-30	1851.499997	-0.001620	1908.500002	0.001048
-20	1851.499998	-0.001080	1908.499997	-0.001572
-10	1851.499996	-0.002160	1908.500002	0.001048
0	1851.499996	-0.002160	1908.500001	0.000524
10	1851.500005	0.002701	1908.499999	-0.000524
20	1851.500002	0.001080	1908.499998	-0.001048
30	1851.500001	0.000540	1908.500001	0.000524
40	1851.500003	0.001620	1908.500004	0.002096
50	1851.500005	0.002701	1908.499999	-0.000524
50	1851.500003	0.001620	1908.500001	0.000524
50	1851.499995	-0.002701	1908.499995	-0.002620
50	1851.499999	-0.000540	1908.500005	0.002620
85	1851.499997	-0.001620	1908.500002	0.001048

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)
3.8	1852.500003	0.001619	1907.500004	0.002097
2.5	1852.500004	0.002159	1907.500003	0.001573
4.4	1852.499998	-0.001080	1907.499999	-0.000524

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1852.499996	-0.002159	1907.500003	0.001573
-30	1852.499998	-0.001080	1907.500002	0.001048
-20	1852.500003	0.001619	1907.500001	0.000524
-10	1852.500002	0.001080	1907.500002	0.001048
0	1852.500005	0.002699	1907.500001	0.000524
10	1852.500005	0.002699	1907.499997	-0.001573
20	1852.500003	0.001619	1907.500005	0.002621
30	1852.500004	0.002159	1907.500001	0.000524
40	1852.500004	0.002159	1907.500002	0.001048
50	1852.500004	0.002159	1907.499997	-0.001573
50	1852.499996	-0.002159	1907.499999	-0.000524
50	1852.500004	0.002159	1907.499996	-0.002097
50	1852.500001	0.000540	1907.499995	-0.002621
85	1852.500004	0.002159	1907.500005	0.002621

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)
3.8	1854.999999	-0.000539	1905.000001	0.000525
2.5	1855.000005	0.002695	1905.000003	0.001575
4.4	1855.000003	0.001617	1905.000005	0.002625

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1855.000002	0.001078	1905.000005	0.002625
-30	1854.999999	-0.000539	1905.000002	0.001050
-20	1855.000001	0.000539	1904.999995	-0.002625
-10	1855.000002	0.001078	1905.000002	0.001050
0	1855.000004	0.002156	1904.999997	-0.001575
10	1855.000004	0.002156	1904.999999	-0.000525
20	1854.999998	-0.001078	1905.000005	0.002625
30	1855.000004	0.002156	1905.000001	0.000525
40	1854.999996	-0.002156	1904.999998	-0.001050
50	1854.999998	-0.001078	1905.000003	0.001575
50	1855.000002	0.001078	1905.000001	0.000525
50	1855.000005	0.002695	1905.000004	0.002100
50	1855.000003	0.001617	1905.000005	0.002625
85	1854.999999	-0.000539	1905.000002	0.001050

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)
3.8	1857.500002	0.001077	1902.499995	-0.002628
2.5	1857.499997	-0.001615	1902.500005	0.002628
4.4	1857.499997	-0.001615	1902.500005	0.002628

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1857.499998	-0.001077	1902.499998	-0.001051
-30	1857.499999	-0.000538	1902.500003	0.001577
-20	1857.499999	-0.000538	1902.500004	0.002102
-10	1857.500003	0.001615	1902.500004	0.002102
0	1857.500002	0.001077	1902.500002	0.001051
10	1857.500005	0.002692	1902.499999	-0.000526
20	1857.499998	-0.001077	1902.500003	0.001577
30	1857.500001	0.000538	1902.500002	0.001051
40	1857.499996	-0.002153	1902.500003	0.001577
50	1857.500003	0.001615	1902.500005	0.002628
50	1857.499997	-0.001615	1902.499996	-0.002102
50	1857.499997	-0.001615	1902.500005	0.002628
50	1857.500002	0.001077	1902.499997	-0.001577
85	1857.499995	-0.002692	1902.500002	0.001051

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)
3.8	1860.000001	0.000538	1900.000004	0.002105
2.5	1859.999997	-0.001613	1900.000004	0.002105
4.4	1860.000003	0.001613	1900.000001	0.000526

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1860.000004	0.002151	1899.999999	-0.000526
-30	1860.000003	0.001613	1899.999997	-0.001579
-20	1860.000001	0.000538	1900.000002	0.001053
-10	1860.000003	0.001613	1900.000003	0.001579
0	1860.000002	0.001075	1900.000003	0.001579
10	1860.000001	0.000538	1900.000001	0.000526
20	1859.999998	-0.001075	1900.000003	0.001579
30	1859.999998	-0.001075	1899.999996	-0.002105
40	1859.999999	-0.000538	1900.000002	0.001053
50	1859.999995	-0.002688	1899.999999	-0.000526
50	1860.000003	0.001613	1899.999999	-0.000526
50	1860.000004	0.002151	1900.000001	0.000526
50	1859.999996	-0.002151	1900.000003	0.001579
85	1859.999999	-0.000538	1900.000004	0.002105

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)
3.8	1710.699997	-0.001754	1754.299997	-0.001710
2.5	1710.700005	0.002923	1754.299999	-0.000570
4.4	1710.699996	-0.002338	1754.299997	-0.001710

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1710.699997	-0.001754	1754.300001	0.000570
-30	1710.699997	-0.001754	1754.299998	-0.001140
-20	1710.700002	0.001169	1754.300003	0.001710
-10	1710.699996	-0.002338	1754.300001	0.000570
0	1710.700001	0.000585	1754.300005	0.002850
10	1710.700005	0.002923	1754.300001	0.000570
20	1710.700002	0.001169	1754.299997	-0.001710
30	1710.700001	0.000585	1754.300001	0.000570
40	1710.699997	-0.001754	1754.300004	0.002280
50	1710.700001	0.000585	1754.300005	0.002850
60	1710.700005	0.002923	1754.300004	0.002280
70	1710.700002	0.001169	1754.300001	0.000570
80	1710.700001	0.000585	1754.300002	0.001140
85	1710.699998	-0.001169	1754.299995	-0.002850

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)
3.8	1711.499998	-0.001169	1753.499998	-0.001141
2.5	1711.499999	-0.000584	1753.500002	0.001141
4.4	1711.499998	-0.001169	1753.500005	0.002851

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1711.500004	0.002337	1753.500005	0.002851
-30	1711.499998	-0.001169	1753.500003	0.001711
-20	1711.500003	0.001753	1753.499996	-0.002281
-10	1711.500002	0.001169	1753.500004	0.002281
0	1711.500004	0.002337	1753.500003	0.001711
10	1711.499998	-0.001169	1753.499999	-0.000570
20	1711.500001	0.000584	1753.499999	-0.000570
30	1711.500005	0.002921	1753.500004	0.002281
40	1711.500004	0.002337	1753.499995	-0.002851
50	1711.499995	-0.002921	1753.500005	0.002851
50	1711.500005	0.002921	1753.499995	-0.002851
50	1711.499997	-0.001753	1753.499997	-0.001711
50	1711.499999	-0.000584	1753.499998	-0.001141
85	1711.500003	0.001753	1753.499999	-0.000570