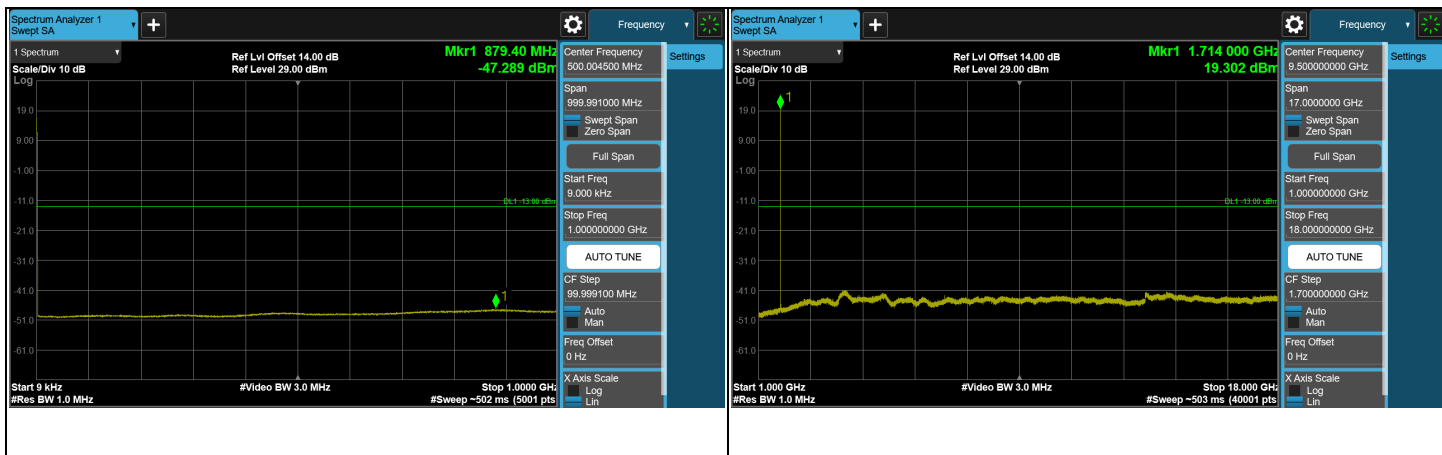
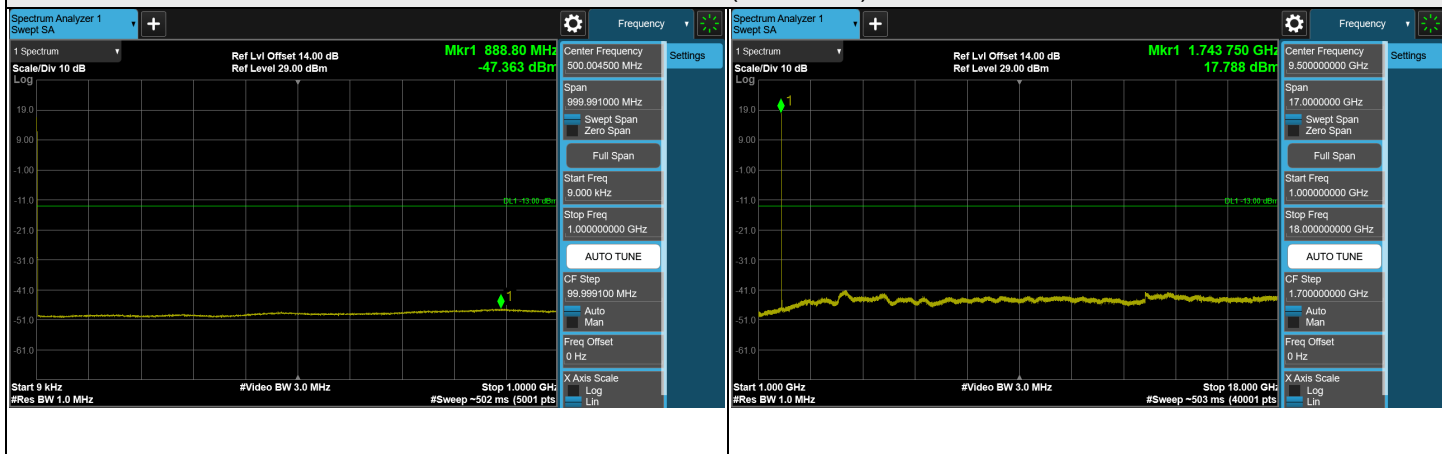


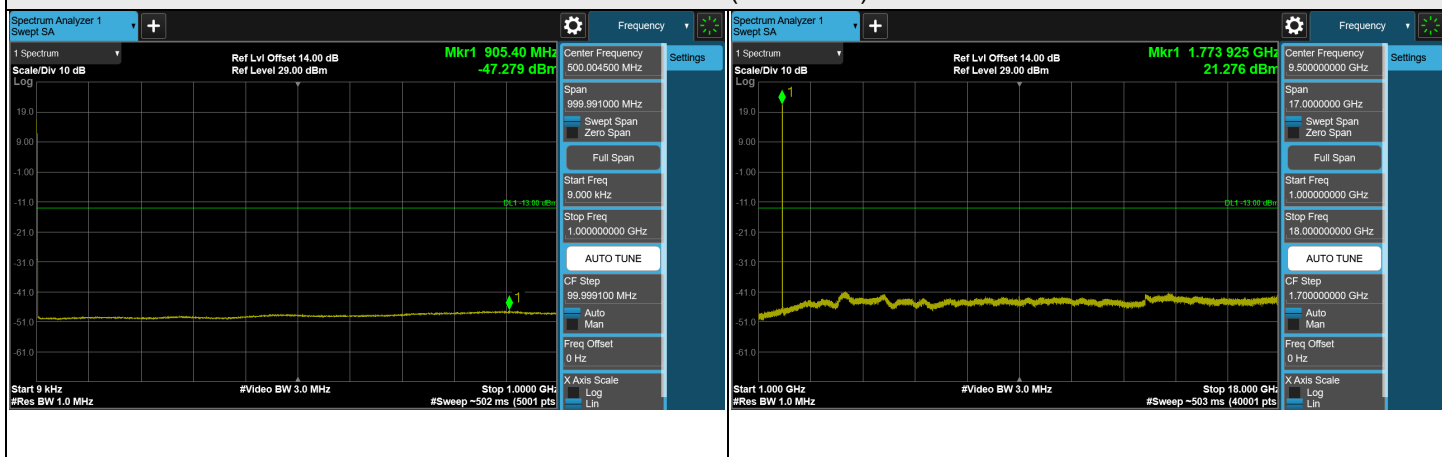
Cat-M1 Band 66, Channel Bandwidth: 10 MHz



CH 132022 (1715 MHz)

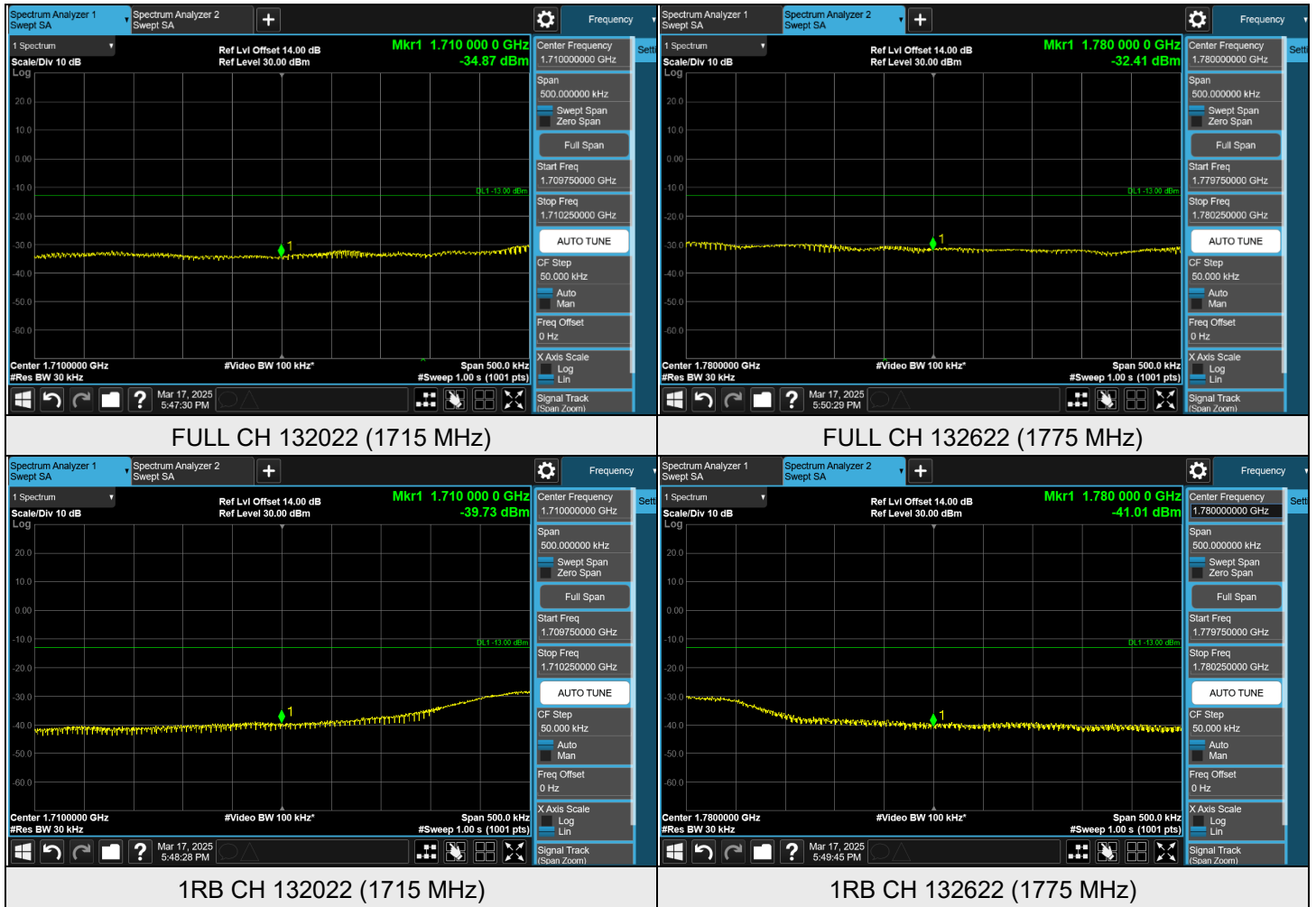


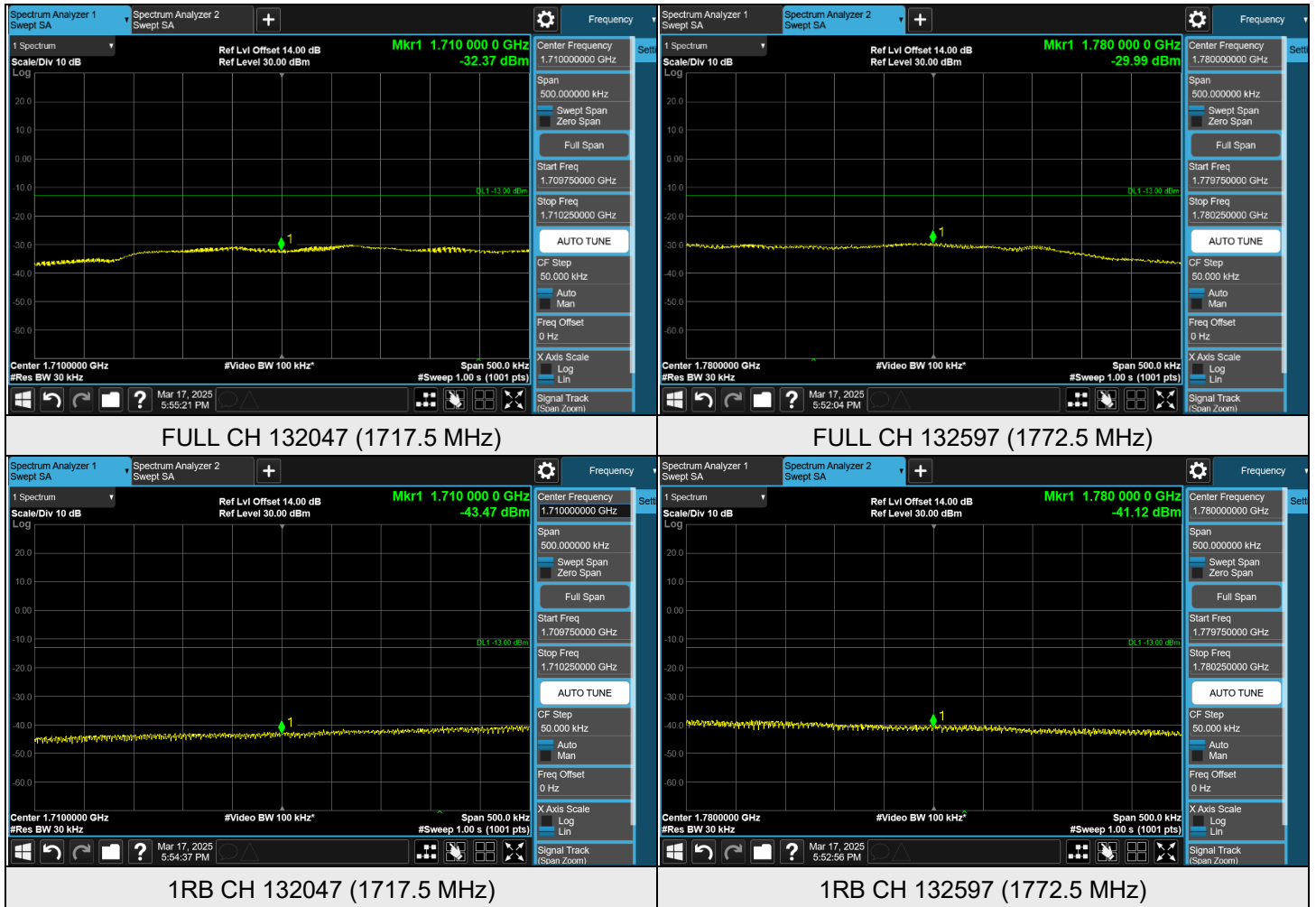
CH 132322 (1745 MHz)



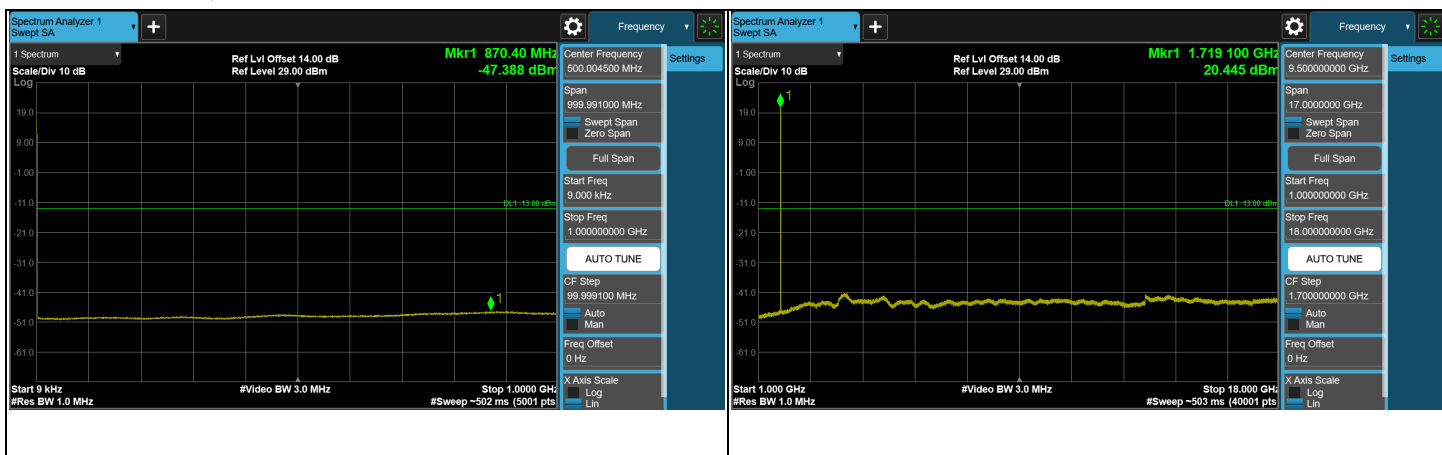
CH 132622 (1775 MHz)

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

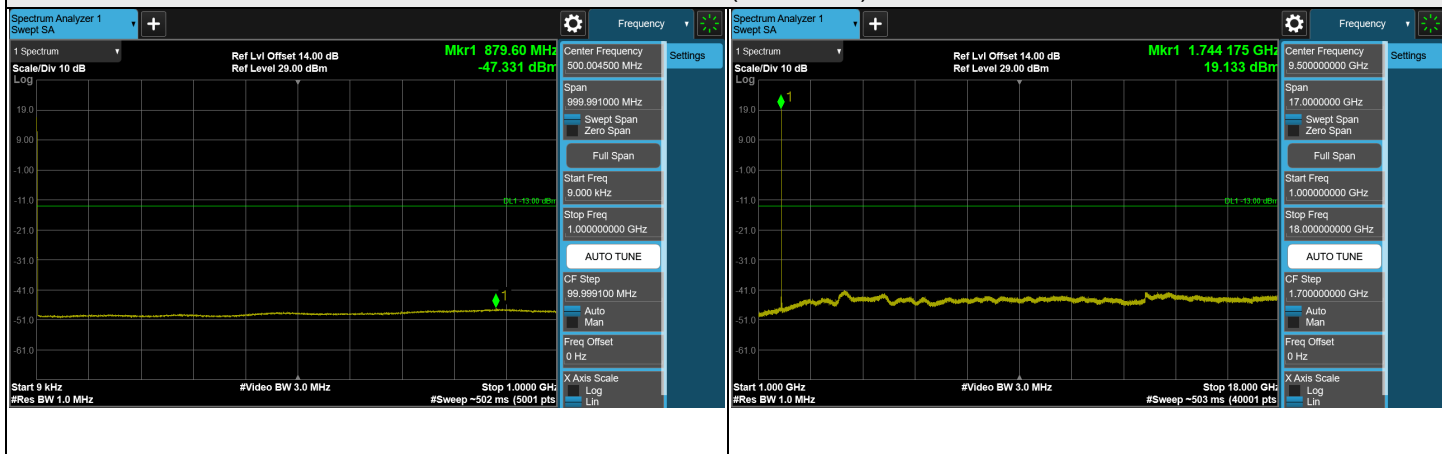




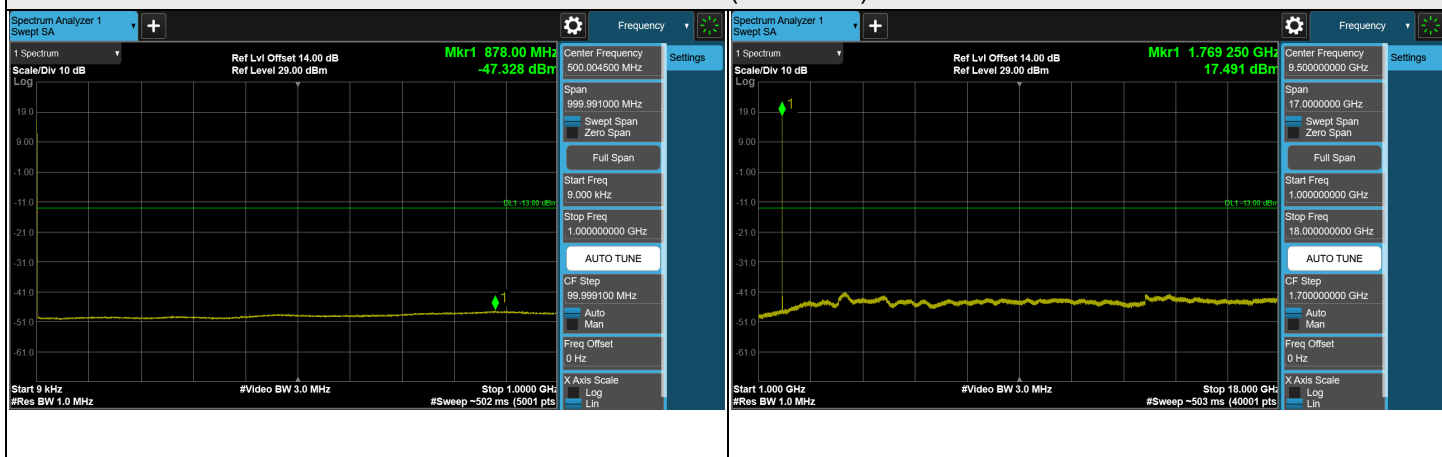
Cat-M1 Band 66, Channel Bandwidth: 20 MHz



CH 132072 (1720 MHz)

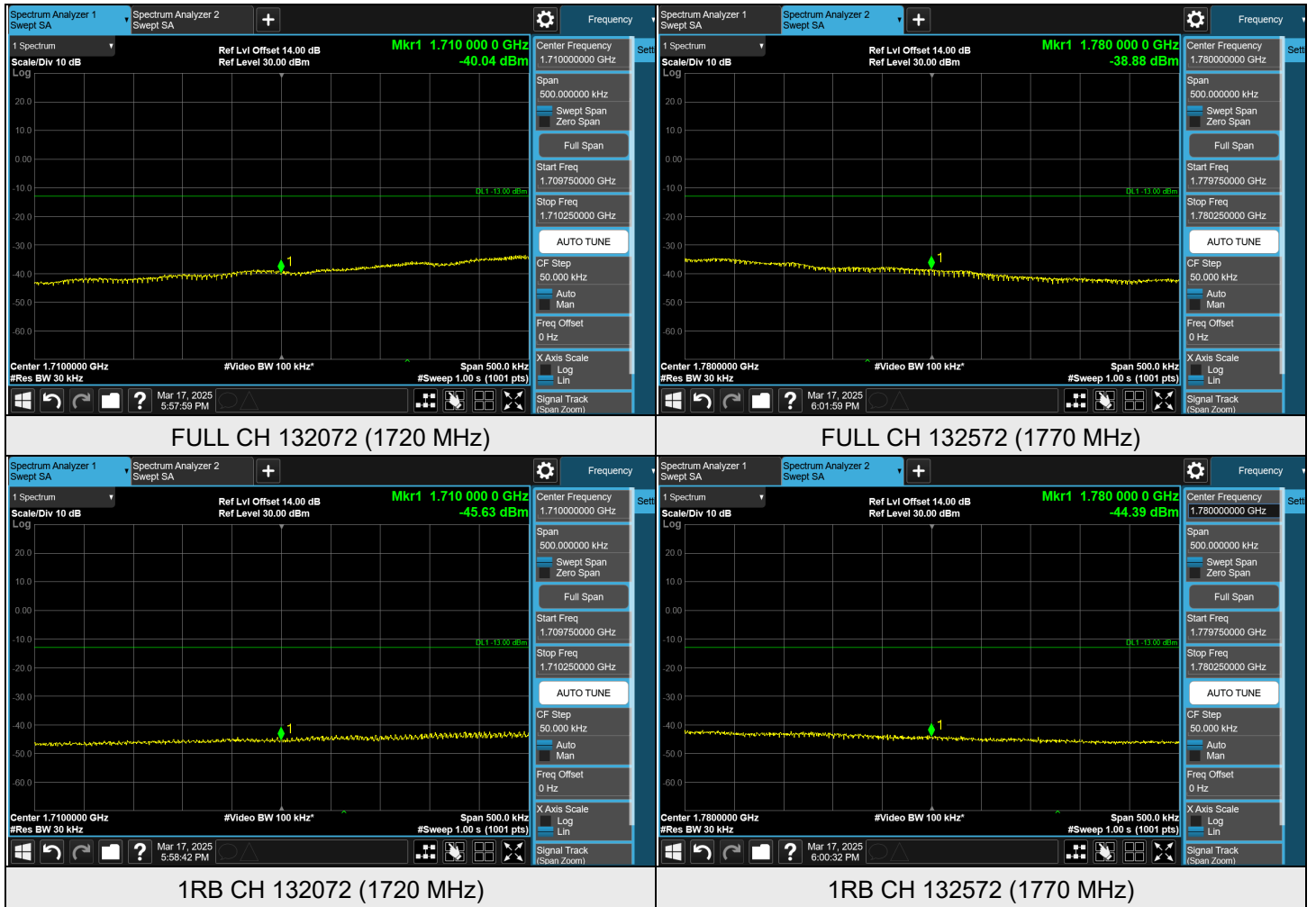


CH 132322 (1745 MHz)



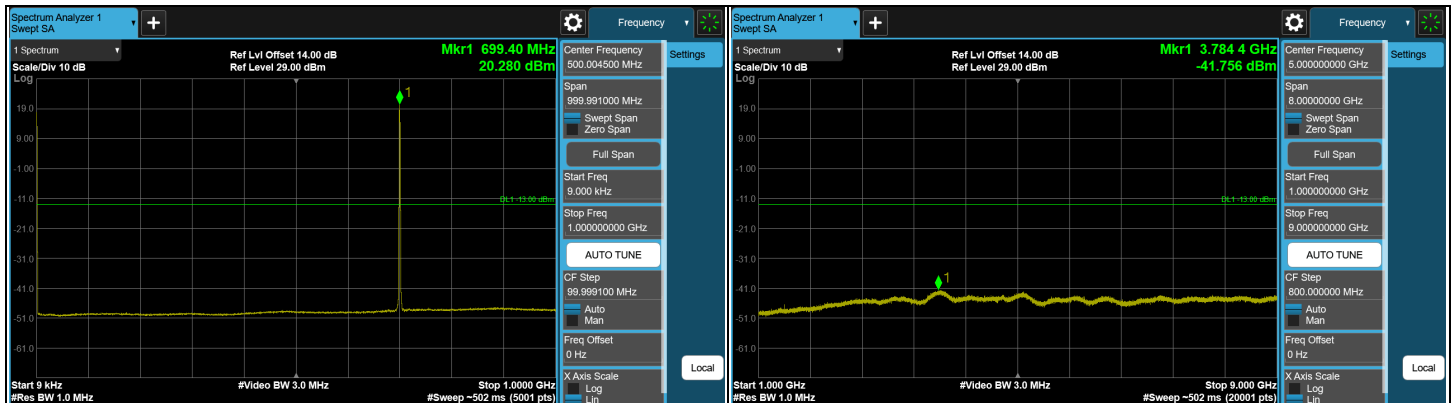
CH 132572 (1770 MHz)

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

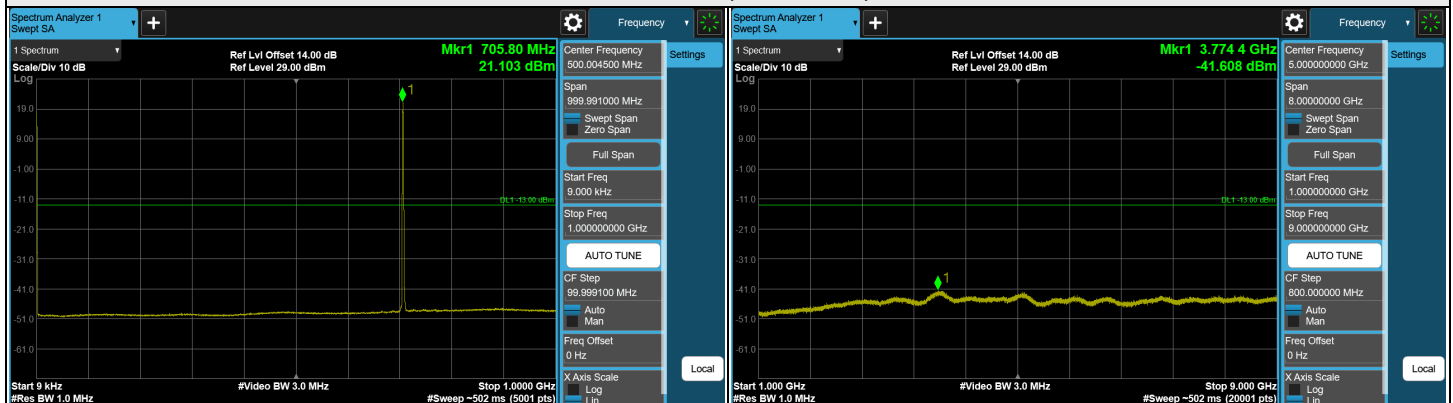


7.5.12 Cat-M1 Band 85

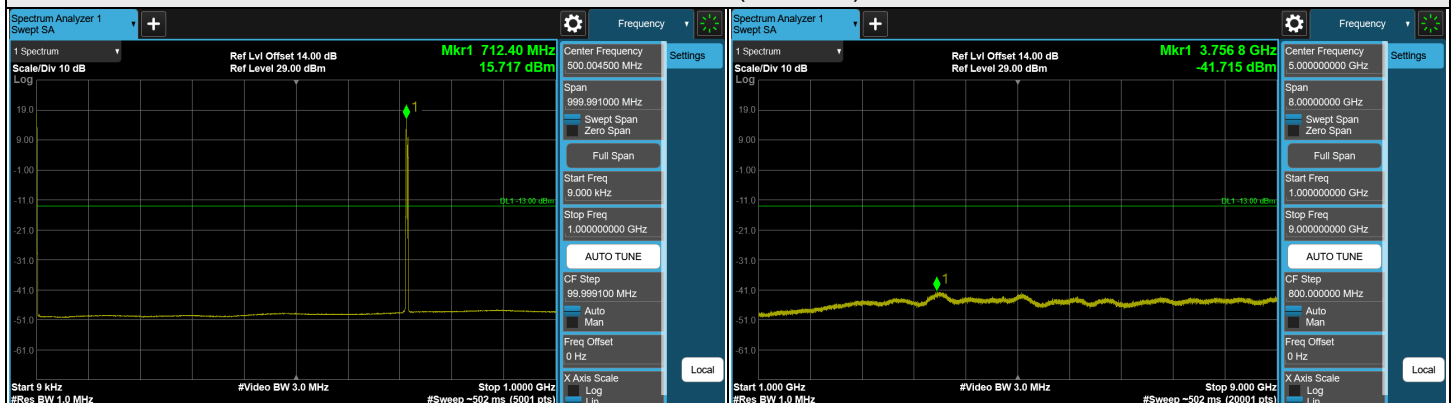
Cat-M1 Band 85, Channel Bandwidth: 5 MHz



CH 134027 (700.5 MHz)

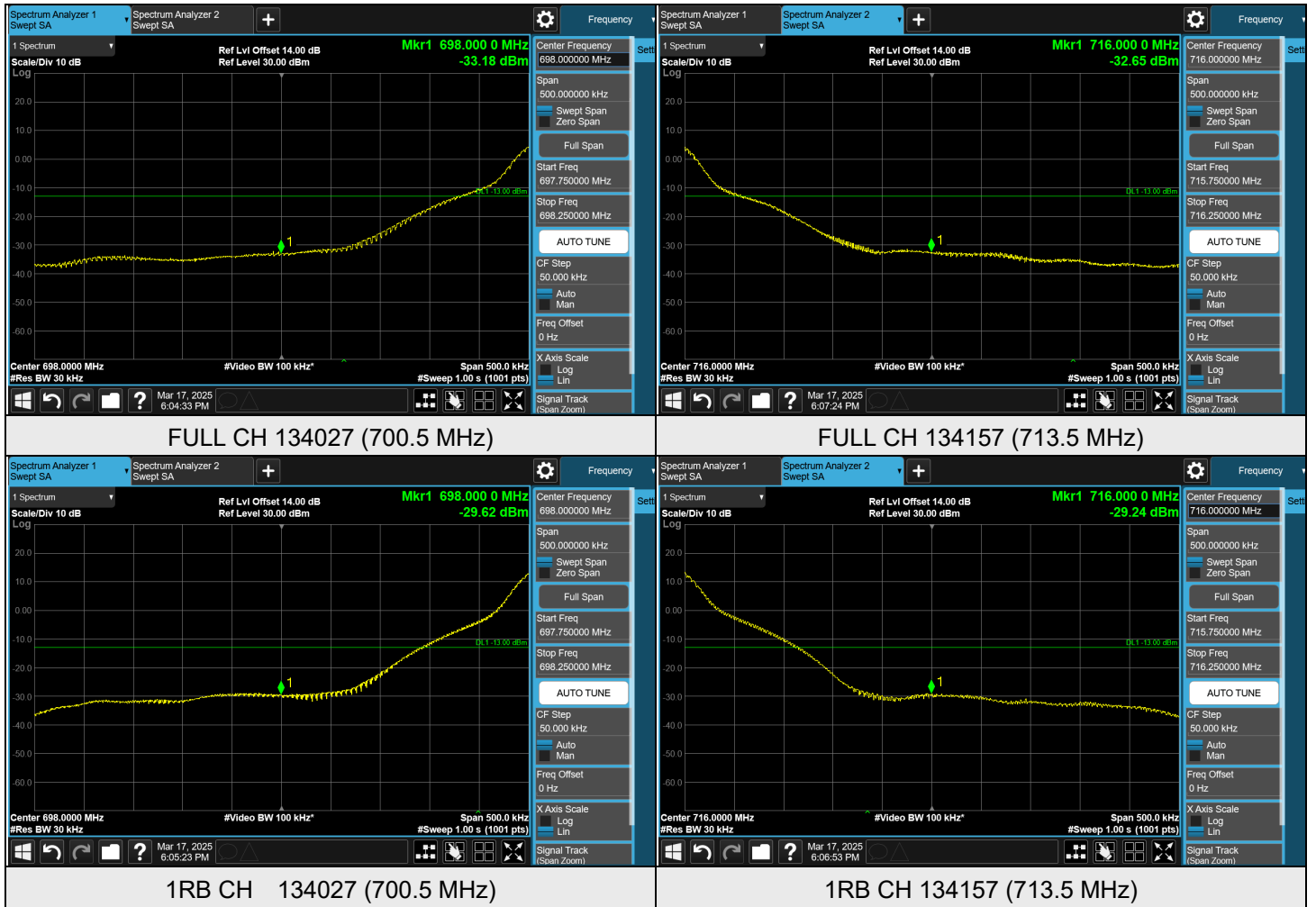


CH 134092 (707 MHz)

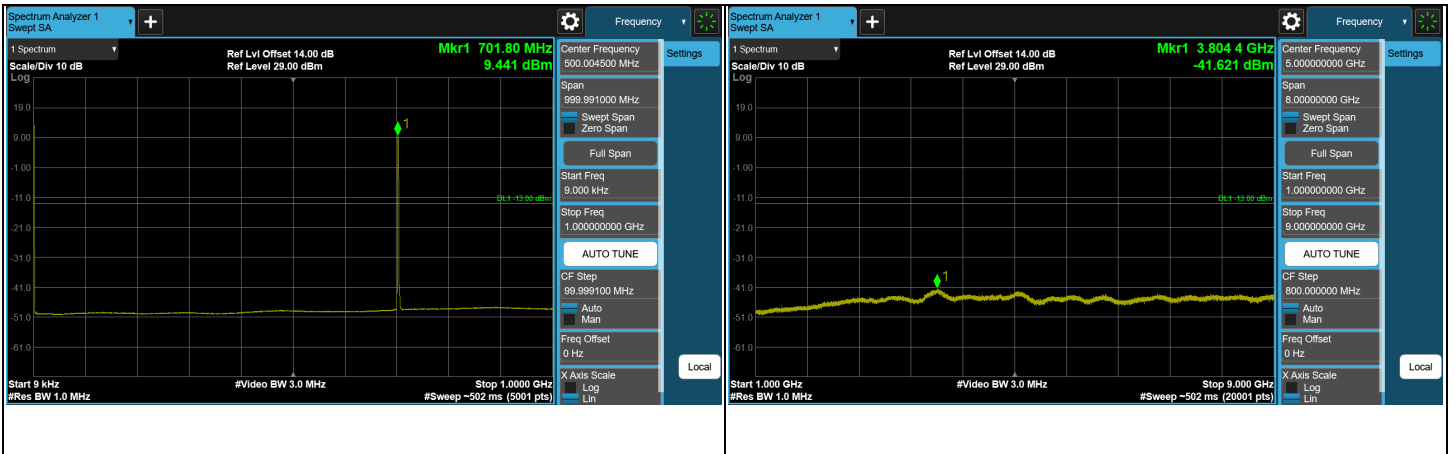


CH 134157 (713.5 MHz)

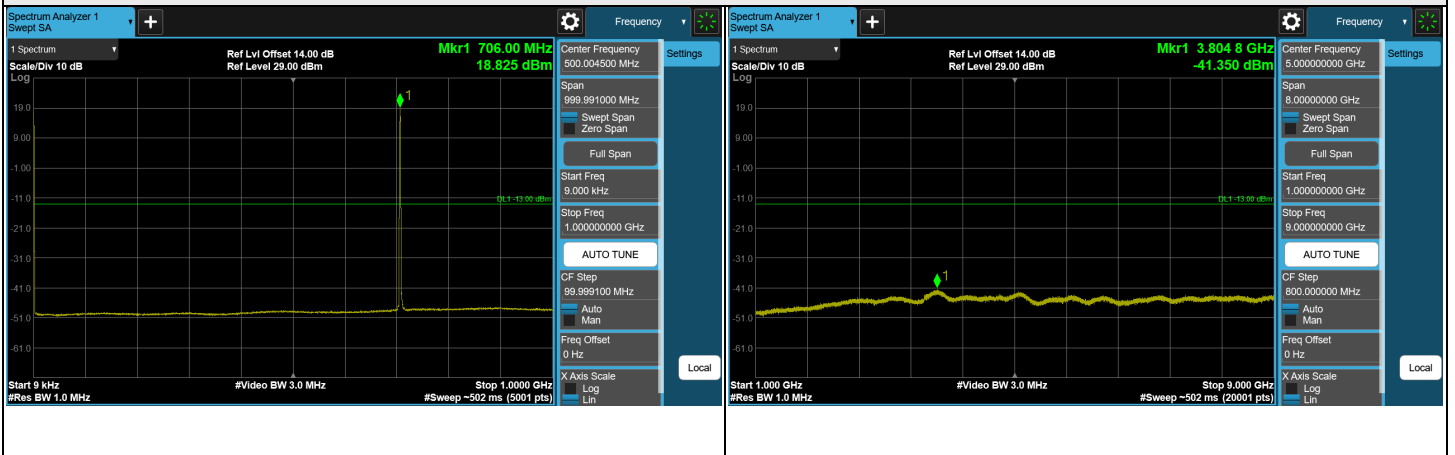
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



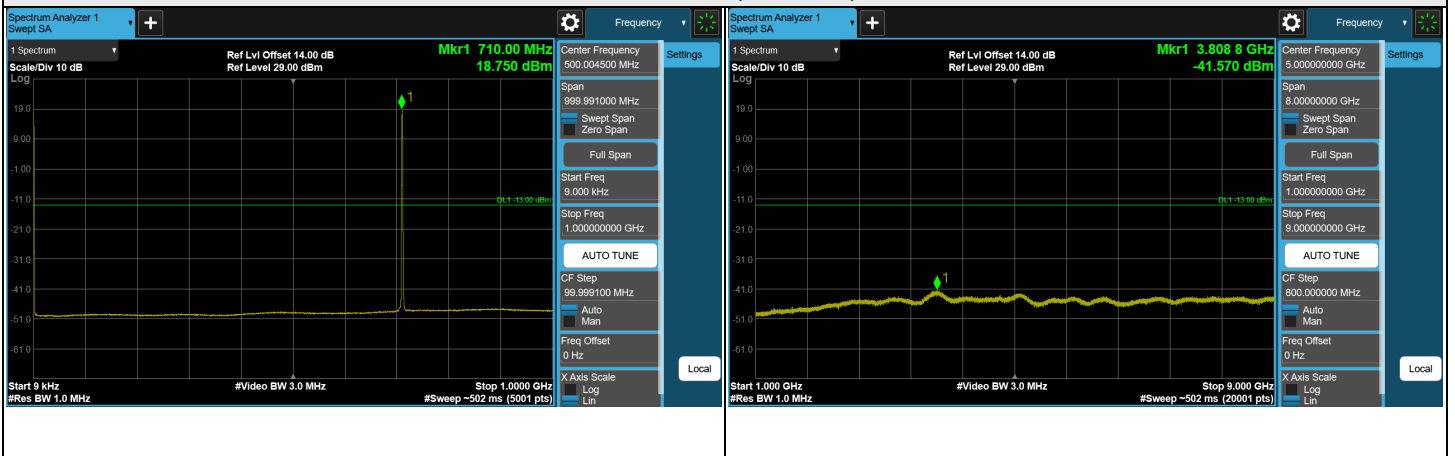
Cat-M1 Band 85, Channel Bandwidth: 10 MHz



CH 134052 (703 MHz)

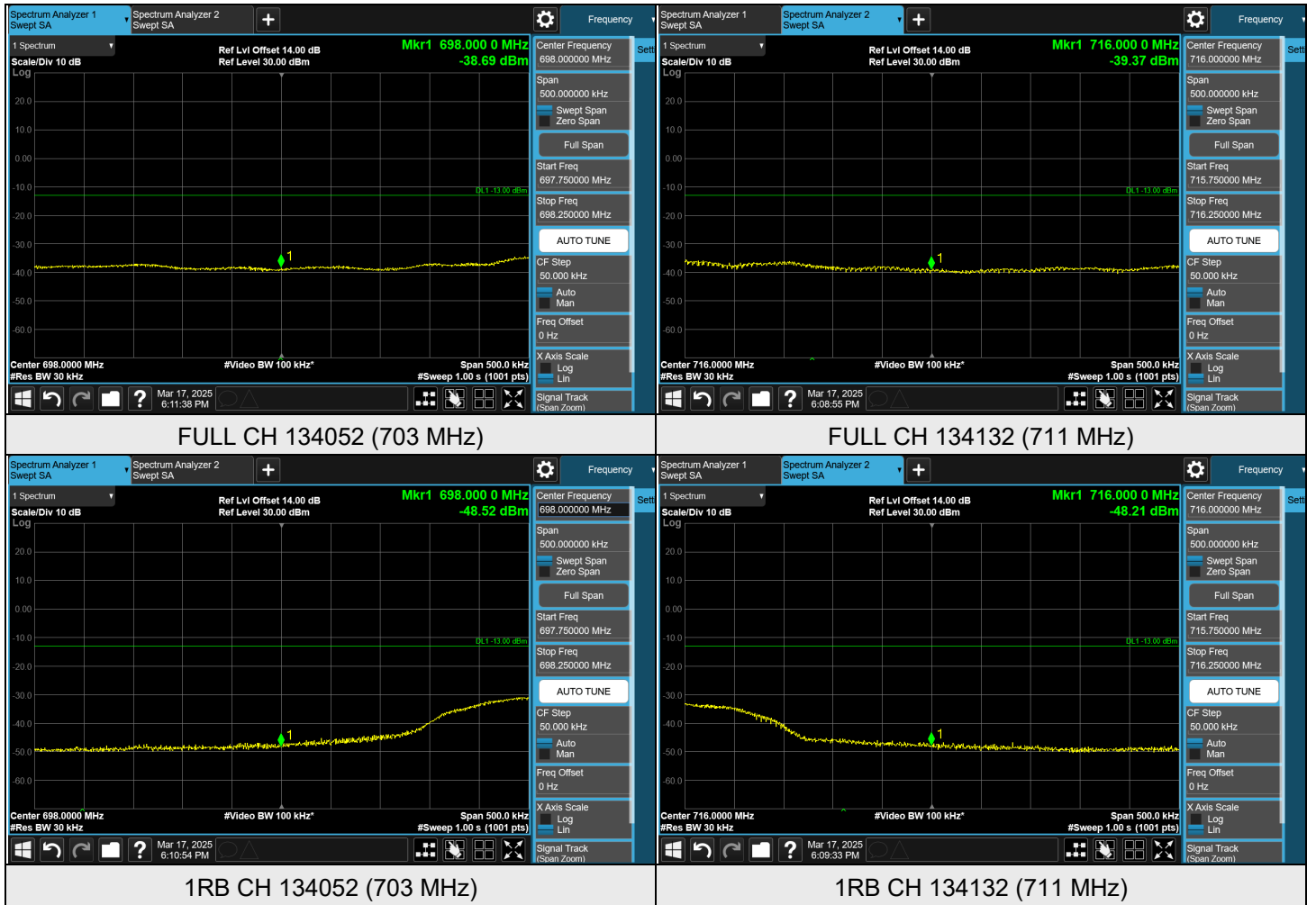


CH 134092 (707 MHz)



CH 134132 (711 MHz)

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



7.6 Radiated Spurious Emissions below 1GHz

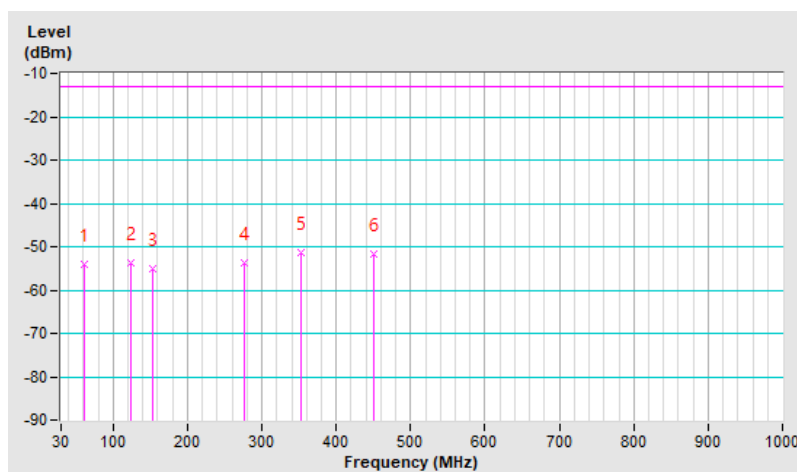
7.6.1 Cat-M1 Band 2

RF Mode	Cat-M1 Band 2 Channel Bandwidth: 20MHz	Channel	CH 19100 : 1900 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	62.01	-54.13	-13.00	-41.13	1.82 H	226	55.33	-109.46
2	123.12	-53.56	-13.00	-40.56	2.51 H	151	56.43	-109.99
3	154.16	-55.12	-13.00	-42.12	1.93 H	34	52.60	-107.72
4	276.38	-53.83	-13.00	-40.83	1.69 H	241	54.22	-108.05
5	352.04	-51.35	-13.00	-38.35	1.70 H	262	54.78	-106.13
6	450.98	-51.54	-13.00	-38.54	1.88 H	69	51.59	-103.13

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

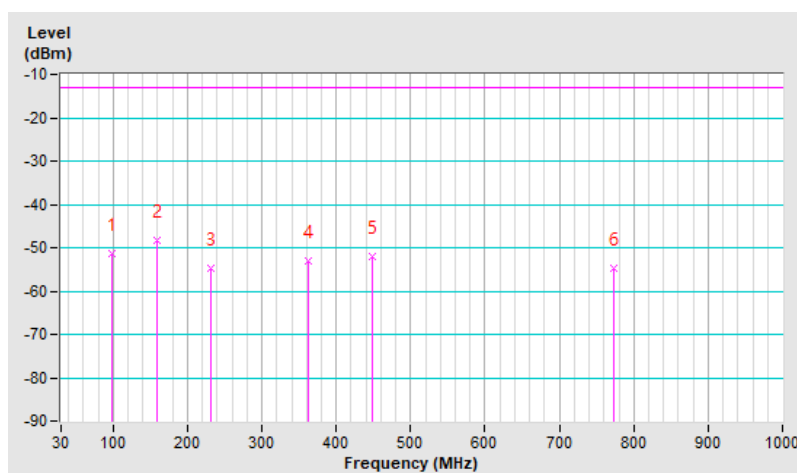


RF Mode	Cat-M1 Band 2 Channel Bandwidth: 20MHz	Channel	CH 19100 : 1900 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	98.87	-51.47	-13.00	-38.47	1.80 V	224	61.30	-112.77
2	159.01	-48.15	-13.00	-35.15	1.96 V	304	59.66	-107.81
3	230.79	-54.61	-13.00	-41.61	1.22 V	157	55.73	-110.34
4	362.71	-53.17	-13.00	-40.17	1.95 V	27	52.64	-105.81
5	449.04	-52.10	-13.00	-39.10	1.77 V	151	51.07	-103.17
6	773.02	-54.73	-13.00	-41.73	2.08 V	263	42.20	-96.93

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



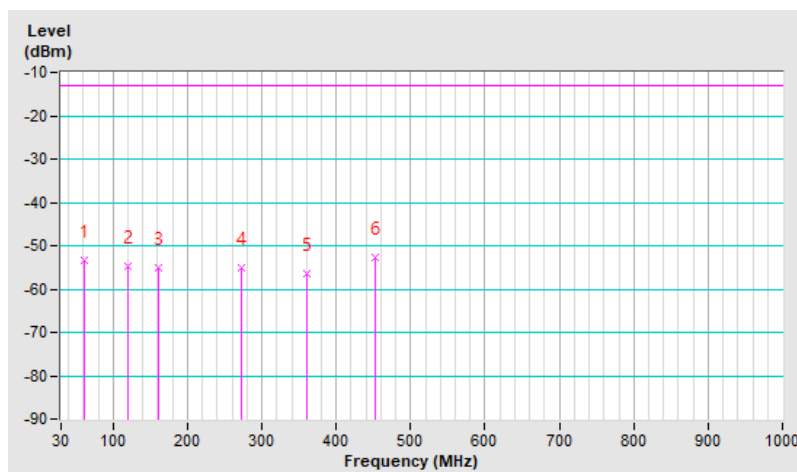
7.6.2 Cat-M1 Band 4

RF Mode	Cat-M1 Band 4 Channel Bandwidth: 1.4MHz	Channel	CH 20393 : 1754.3 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	62.01	-53.55	-13.00	-40.55	1.40 H	323	55.91	-109.46
2	120.21	-54.78	-13.00	-41.78	1.49 H	182	55.44	-110.22
3	161.92	-55.07	-13.00	-42.07	2.03 H	310	52.83	-107.90
4	272.50	-55.21	-13.00	-42.21	1.69 H	64	53.08	-108.29
5	360.77	-56.43	-13.00	-43.43	2.04 H	171	49.44	-105.87
6	451.95	-52.59	-13.00	-39.59	2.69 H	29	50.52	-103.11

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

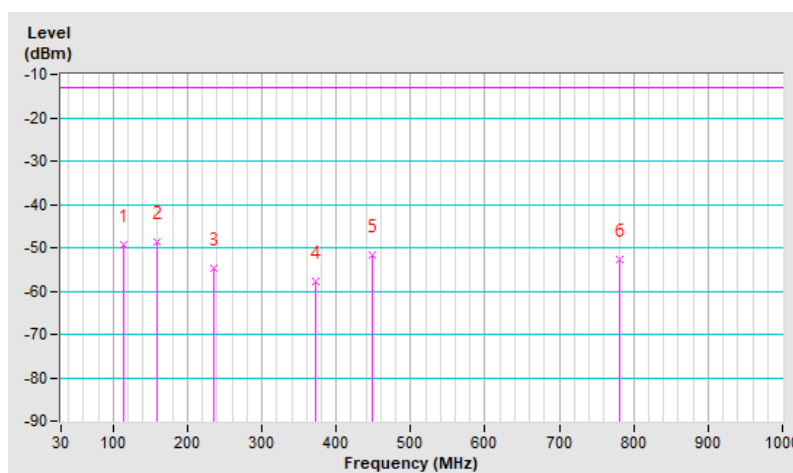


RF Mode	Cat-M1 Band 4 Channel Bandwidth: 1.4MHz	Channel	CH 20393 : 1754.3 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	113.42	-49.40	-13.00	-36.40	2.31 V	108	61.43	-110.83
2	159.01	-48.81	-13.00	-35.81	1.70 V	296	59.00	-107.81
3	234.67	-54.66	-13.00	-41.66	1.54 V	252	55.24	-109.90
4	371.44	-57.94	-13.00	-44.94	1.64 V	330	47.60	-105.54
5	449.04	-51.57	-13.00	-38.57	1.89 V	92	51.60	-103.17
6	781.75	-52.58	-13.00	-39.58	2.14 V	125	44.17	-96.75

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



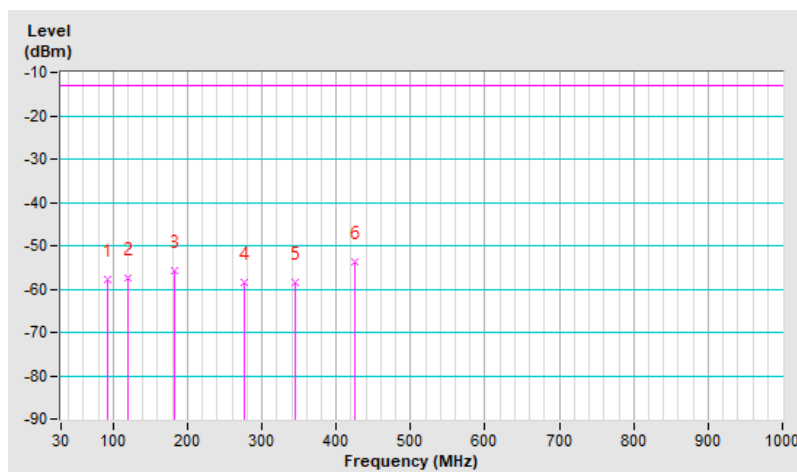
7.6.3 Cat-M1 Band 5

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	23 °C, 67 % RH
Tested By	Karl Lee		

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	93.05	-57.82	-13.00	-44.82	2.30 H	256	58.09	-115.91
2	120.21	-57.55	-13.00	-44.55	1.85 H	151	54.82	-112.37
3	182.29	-55.70	-13.00	-42.70	2.04 H	196	56.40	-112.10
4	277.35	-58.54	-13.00	-45.54	1.73 H	230	51.63	-110.17
5	345.25	-58.31	-13.00	-45.31	1.87 H	158	50.11	-108.42
6	425.76	-53.82	-13.00	-40.82	2.14 H	112	52.37	-106.19

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

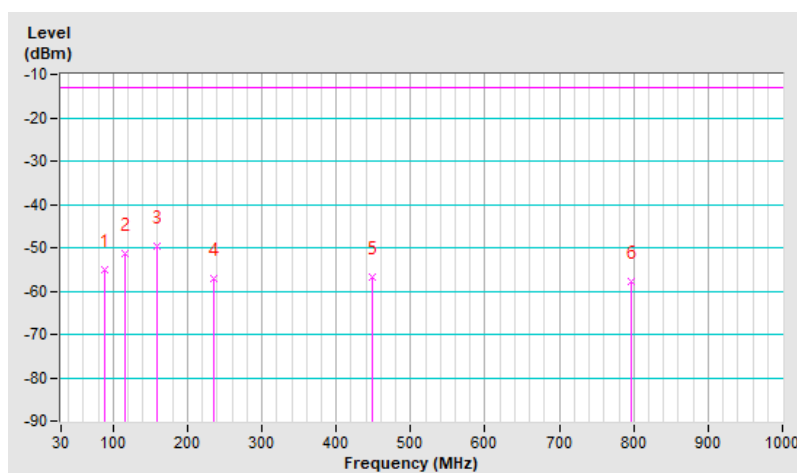


RF Mode	Cat-M1 Band 5 Channel Bandwidth: 10MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	89.17	-55.25	-13.00	-42.25	1.53 V	223	61.03	-116.28
2	116.33	-51.52	-13.00	-38.52	1.96 V	20	61.22	-112.74
3	159.98	-49.71	-13.00	-36.71	1.74 V	158	60.26	-109.97
4	234.67	-57.12	-13.00	-44.12	1.94 V	171	54.93	-112.05
5	449.04	-56.82	-13.00	-43.82	2.09 V	95	48.50	-105.32
6	796.30	-57.86	-13.00	-44.86	2.27 V	164	41.01	-98.87

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



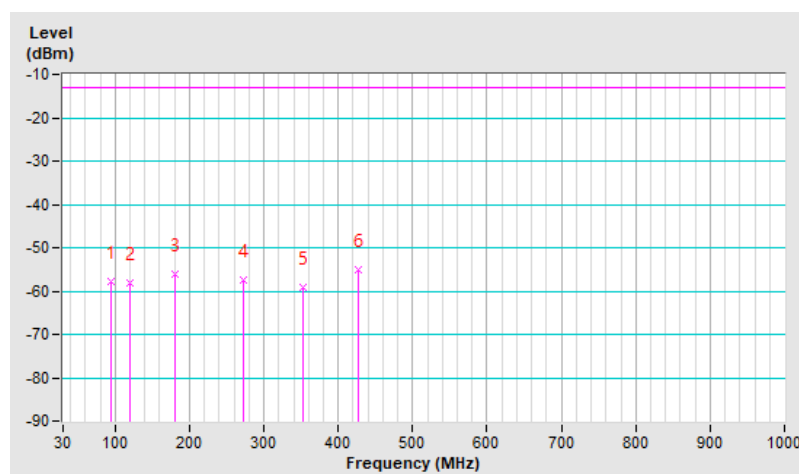
7.6.4 Cat-M1 Band 8

RF Mode	Cat-M1 Band 8 Channel Bandwidth: 3MHz	Channel	CH 21640 : 899 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	94.02	-57.83	-13.00	-44.83	2.35 H	259	57.99	-115.82
2	119.24	-58.04	-13.00	-45.04	1.74 H	152	54.44	-112.48
3	180.35	-55.96	-13.00	-42.96	2.01 H	110	55.86	-111.82
4	271.53	-57.43	-13.00	-44.43	1.86 H	209	53.07	-110.50
5	352.04	-59.04	-13.00	-46.04	1.87 H	190	49.24	-108.28
6	426.73	-54.97	-13.00	-41.97	1.45 H	203	51.17	-106.14

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

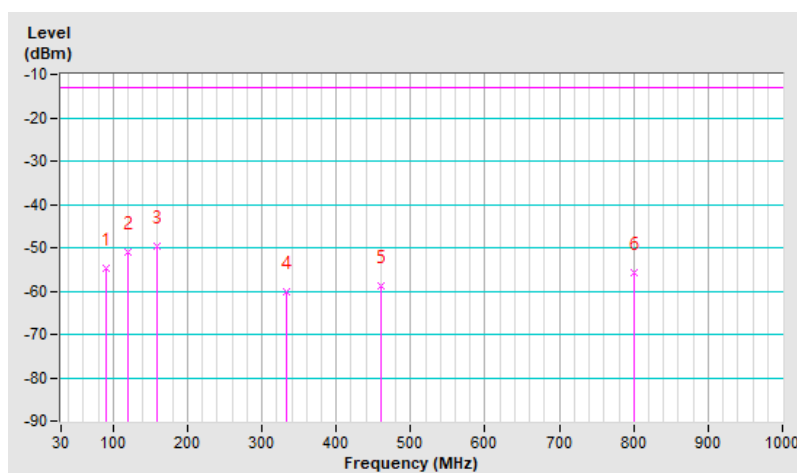


RF Mode	Cat-M1 Band 8 Channel Bandwidth: 3MHz	Channel	CH 21640 : 899 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	90.14	-54.81	-13.00	-41.81	2.09 V	263	61.45	-116.26
2	120.21	-51.18	-13.00	-38.18	1.74 V	115	61.19	-112.37
3	159.01	-49.62	-13.00	-36.62	1.60 V	23	60.34	-109.96
4	332.64	-60.08	-13.00	-47.08	2.54 V	108	48.39	-108.47
5	460.68	-58.67	-13.00	-45.67	1.85 V	194	46.44	-105.11
6	800.18	-55.91	-13.00	-42.91	2.08 V	236	42.97	-98.88

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



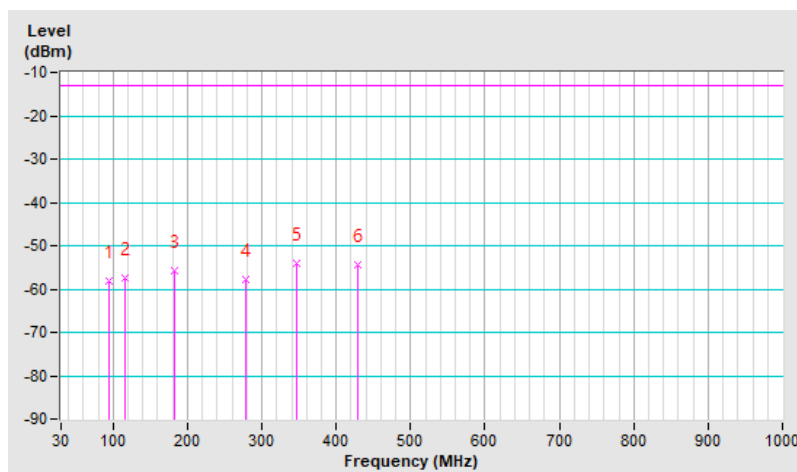
7.6.5 Cat-M1 Band 12

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	23 °C, 67 % RH
Tested By	Karl Lee		

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	94.02	-58.18	-13.00	-45.18	1.31 H	214	57.64	-115.82
2	116.33	-57.37	-13.00	-44.37	1.96 H	201	55.37	-112.74
3	182.29	-55.71	-13.00	-42.71	1.88 H	341	56.39	-112.10
4	278.32	-57.83	-13.00	-44.83	2.52 H	296	52.30	-110.13
5	347.19	-53.90	-13.00	-40.90	1.42 H	304	54.50	-108.40
6	428.67	-54.40	-13.00	-41.40	1.81 H	54	51.65	-106.05

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

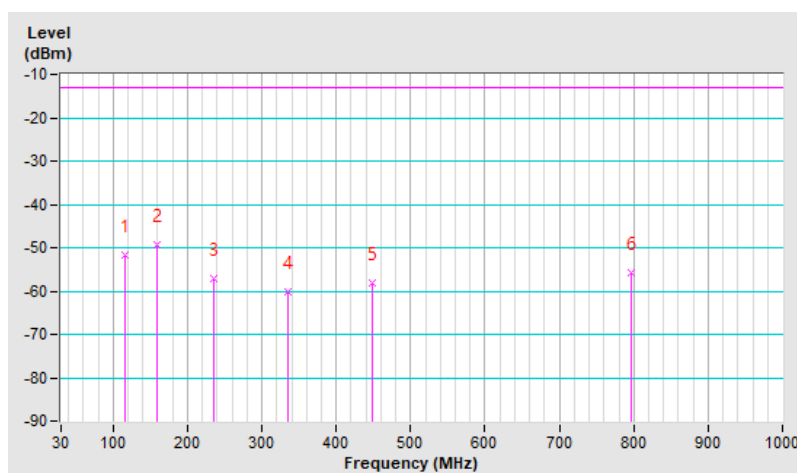


RF Mode	Cat-M1 Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	115.36	-51.77	-13.00	-38.77	1.35 V	116	61.05	-112.82
2	159.01	-49.27	-13.00	-36.27	1.48 V	248	60.69	-109.96
3	235.64	-57.15	-13.00	-44.15	1.70 V	163	54.82	-111.97
4	335.55	-60.07	-13.00	-47.07	1.22 V	108	48.36	-108.43
5	448.07	-58.12	-13.00	-45.12	1.96 V	206	47.24	-105.36
6	797.27	-55.67	-13.00	-42.67	1.20 V	330	43.20	-98.87

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



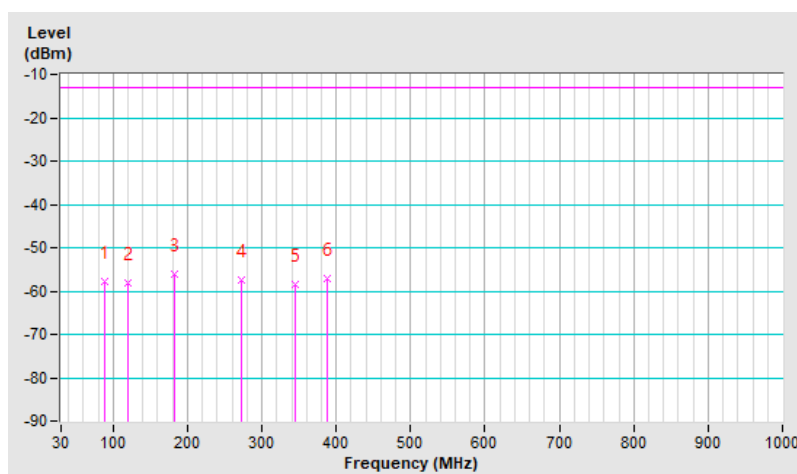
7.6.6 Cat-M1 Band 13

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	23 °C, 67 % RH
Tested By	Karl Lee		

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	89.17	-57.93	-13.00	-44.93	1.35 H	285	58.35	-116.28
2	119.24	-58.17	-13.00	-45.17	1.72 H	152	54.31	-112.48
3	183.26	-56.11	-13.00	-43.11	1.88 H	196	56.06	-112.17
4	271.53	-57.43	-13.00	-44.43	1.72 H	259	53.07	-110.50
5	345.25	-58.49	-13.00	-45.49	1.88 H	304	49.93	-108.42
6	386.96	-57.24	-13.00	-44.24	1.25 H	121	50.07	-107.31

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

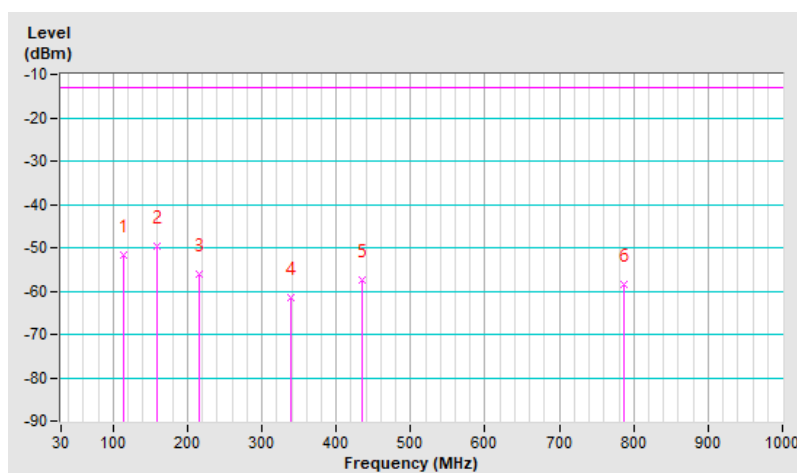


RF Mode	Cat-M1 Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	114.39	-51.77	-13.00	-38.77	1.15 V	146	61.11	-112.88
2	159.01	-49.72	-13.00	-36.72	1.84 V	180	60.24	-109.96
3	216.24	-56.14	-13.00	-43.14	2.21 V	148	57.54	-113.68
4	339.43	-61.51	-13.00	-48.51	1.35 V	160	46.93	-108.44
5	435.46	-57.29	-13.00	-44.29	1.77 V	151	48.48	-105.77
6	786.60	-58.42	-13.00	-45.42	2.28 V	204	40.47	-98.89

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



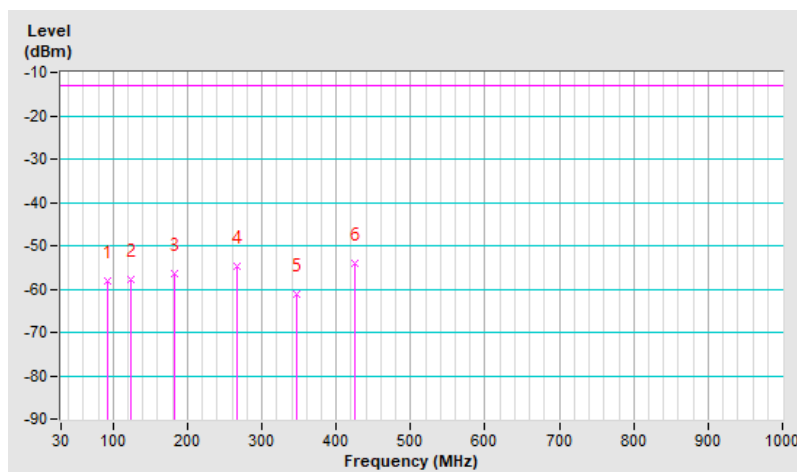
7.6.7 Cat-M1 Band 14

RF Mode	Cat-M1 Band 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	93.05	-58.08	-13.00	-45.08	1.31 H	145	57.83	-115.91
2	123.12	-57.67	-13.00	-44.67	2.05 H	131	54.47	-112.14
3	183.26	-56.37	-13.00	-43.37	1.79 H	259	55.80	-112.17
4	265.71	-54.86	-13.00	-41.86	1.53 H	304	55.97	-110.83
5	347.19	-61.04	-13.00	-48.04	2.22 H	214	47.36	-108.40
6	425.76	-54.17	-13.00	-41.17	1.75 H	46	52.02	-106.19

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

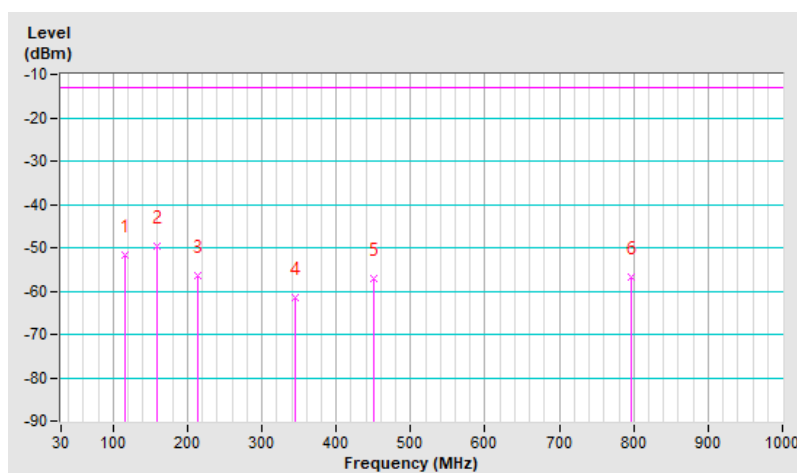


RF Mode	Cat-M1 Band 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	116.33	-51.66	-13.00	-38.66	2.01 V	194	61.08	-112.74
2	159.01	-49.62	-13.00	-36.62	1.77 V	159	60.34	-109.96
3	214.30	-56.30	-13.00	-43.30	2.88 V	26	57.41	-113.71
4	345.25	-61.54	-13.00	-48.54	1.51 V	145	46.88	-108.42
5	450.01	-57.00	-13.00	-44.00	1.72 V	203	48.30	-105.30
6	796.30	-56.80	-13.00	-43.80	1.88 V	149	42.07	-98.87

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



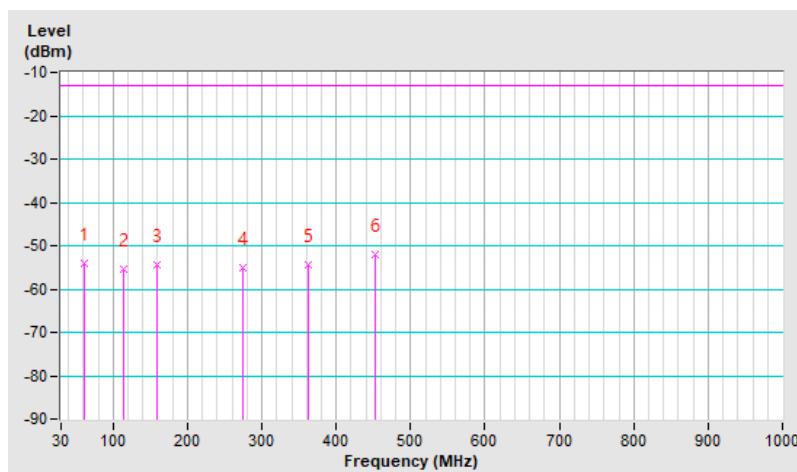
7.6.8 Cat-M1 Band 25

RF Mode	Cat-M1 Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	62.01	-54.06	-13.00	-41.06	2.10 H	58	55.40	-109.46
2	114.39	-55.37	-13.00	-42.37	1.44 H	251	55.36	-110.73
3	159.98	-54.25	-13.00	-41.25	1.90 H	263	53.57	-107.82
4	274.44	-55.07	-13.00	-42.07	1.77 H	154	53.08	-108.15
5	362.71	-54.45	-13.00	-41.45	2.05 H	161	51.36	-105.81
6	452.92	-52.00	-13.00	-39.00	1.49 H	63	51.09	-103.09

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

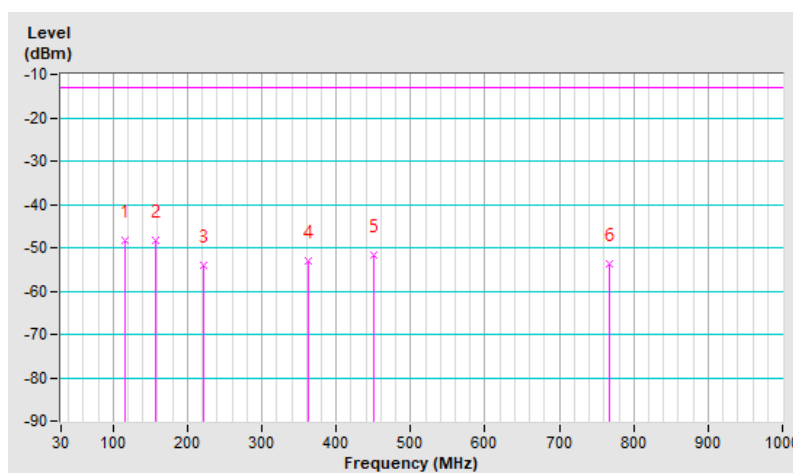


RF Mode	Cat-M1 Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	115.36	-48.30	-13.00	-35.30	2.51 V	104	62.37	-110.67
2	158.04	-48.43	-13.00	-35.43	1.72 V	56	59.44	-107.87
3	222.06	-54.11	-13.00	-41.11	1.96 V	324	57.25	-111.36
4	362.71	-53.08	-13.00	-40.08	1.84 V	261	52.73	-105.81
5	450.98	-51.68	-13.00	-38.68	2.77 V	135	51.45	-103.13
6	767.20	-53.83	-13.00	-40.83	1.86 V	94	43.11	-96.94

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



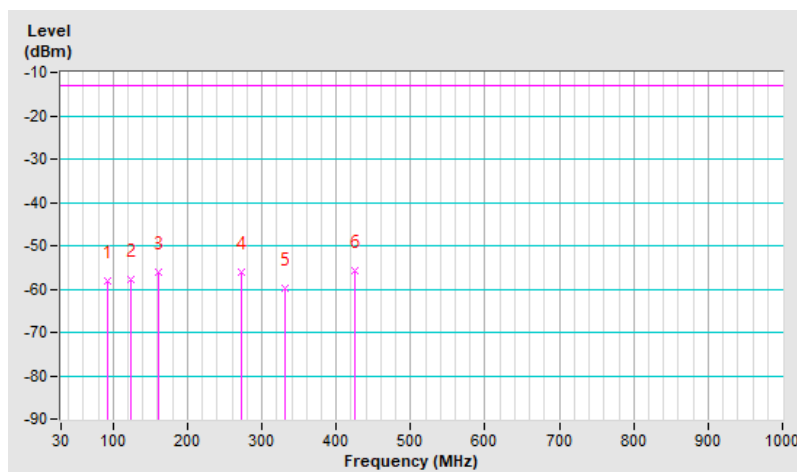
7.6.9 Cat-M1 Band 26 (Part 22)

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	23 °C, 67 % RH
Tested By	Karl Lee		

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	93.05	-58.17	-13.00	-45.17	1.53 H	280	57.74	-115.91
2	123.12	-57.73	-13.00	-44.73	2.52 H	104	54.41	-112.14
3	161.92	-56.20	-13.00	-43.20	1.73 H	296	53.85	-110.05
4	272.50	-56.01	-13.00	-43.01	2.85 H	151	54.43	-110.44
5	330.70	-59.98	-13.00	-46.98	2.04 H	160	48.50	-108.48
6	425.76	-55.89	-13.00	-42.89	1.84 H	84	50.30	-106.19

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

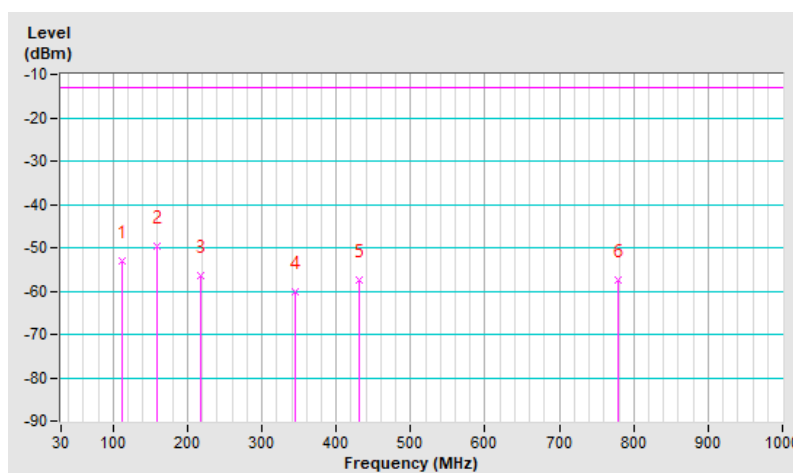


RF Mode	Cat-M1 Band 26 Channel Bandwidth: 15MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	112.45	-52.91	-13.00	-39.91	1.72 V	225	60.17	-113.08
2	159.98	-49.56	-13.00	-36.56	1.94 V	163	60.41	-109.97
3	218.18	-56.32	-13.00	-43.32	2.87 V	180	57.32	-113.64
4	345.25	-60.31	-13.00	-47.31	1.75 V	301	48.11	-108.42
5	431.58	-57.62	-13.00	-44.62	1.26 V	241	48.31	-105.93
6	778.84	-57.58	-13.00	-44.58	1.86 V	226	41.34	-98.92

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



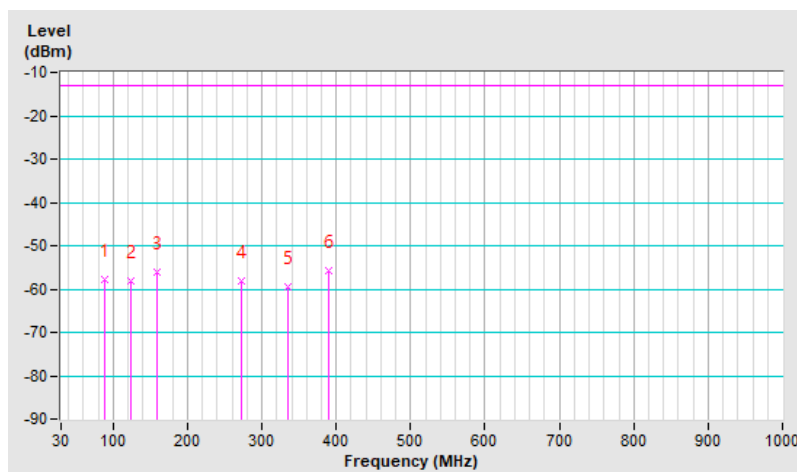
7.6.10 Cat-M1 Band 26 (Part 90)

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	23 °C, 67 % RH
Tested By	Karl Lee		

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	89.17	-57.79	-13.00	-44.79	1.32 H	58	58.49	-116.28
2	123.12	-58.08	-13.00	-45.08	2.24 H	168	54.06	-112.14
3	159.01	-55.96	-13.00	-42.96	2.36 H	190	54.00	-109.96
4	273.47	-58.01	-13.00	-45.01	1.74 H	152	52.36	-110.37
5	335.55	-59.50	-13.00	-46.50	2.48 H	94	48.93	-108.43
6	388.90	-55.93	-13.00	-42.93	2.55 H	17	51.34	-107.27

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

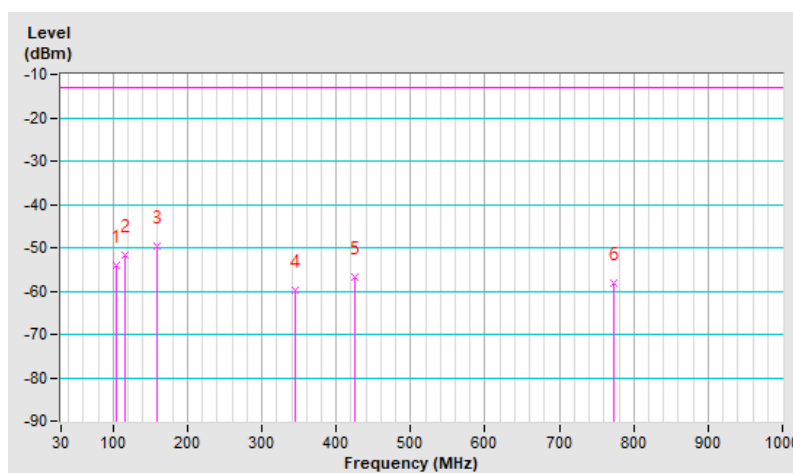


RF Mode	Cat-M1 Band 26 Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	103.72	-54.14	-13.00	-41.14	2.26 V	240	59.98	-114.12
2	115.36	-51.84	-13.00	-38.84	2.29 V	263	60.98	-112.82
3	159.01	-49.64	-13.00	-36.64	1.84 V	157	60.32	-109.96
4	345.25	-59.86	-13.00	-46.86	1.86 V	207	48.56	-108.42
5	425.76	-56.90	-13.00	-43.90	1.77 V	160	49.29	-106.19
6	773.02	-58.00	-13.00	-45.00	2.45 V	94	41.08	-99.08

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



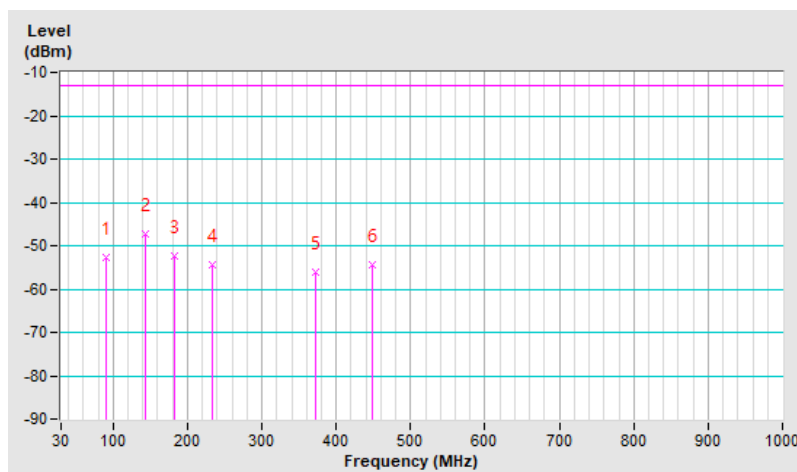
7.6.11 Cat-M1 Band 66

RF Mode	Cat-M1 Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	90.14	-52.56	-13.00	-39.56	1.60 H	122	61.55	-114.11
2	142.52	-47.30	-13.00	-34.30	1.86 H	331	60.94	-108.24
3	182.29	-52.44	-13.00	-39.44	1.75 H	121	57.51	-109.95
4	232.73	-54.38	-13.00	-41.38	1.49 H	95	55.74	-110.12
5	372.41	-56.21	-13.00	-43.21	2.21 H	140	49.32	-105.53
6	449.04	-54.28	-13.00	-41.28	2.95 H	310	48.89	-103.17

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

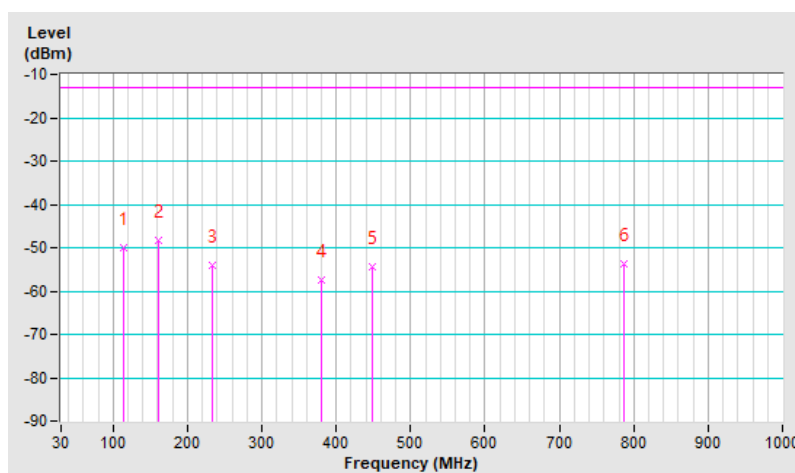


RF Mode	Cat-M1 Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	114.39	-50.04	-13.00	-37.04	1.53 V	264	60.69	-110.73
2	161.92	-48.36	-13.00	-35.36	1.75 V	149	59.54	-107.90
3	233.70	-54.01	-13.00	-41.01	2.05 V	320	56.00	-110.01
4	380.17	-57.54	-13.00	-44.54	1.22 V	148	47.78	-105.32
5	449.04	-54.28	-13.00	-41.28	2.01 V	163	48.89	-103.17
6	787.57	-53.89	-13.00	-40.89	1.72 V	204	42.82	-96.71

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



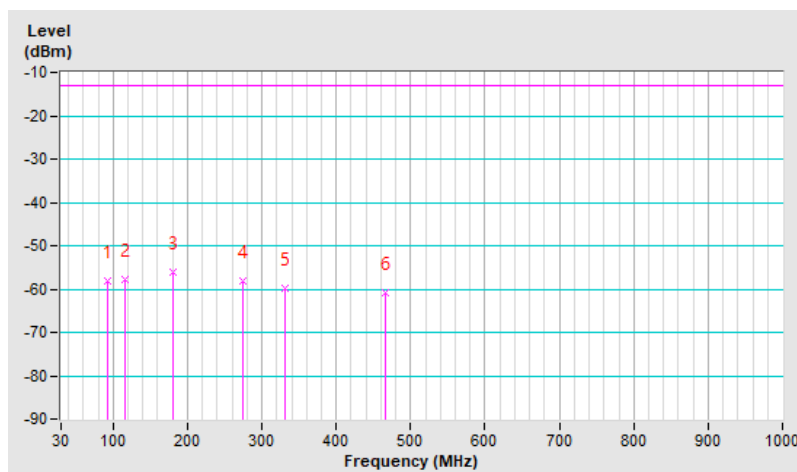
7.6.12 Cat-M1 Band 85

RF Mode	Cat-M1 Band 85 Channel Bandwidth: 10MHz	Channel	CH 134092 : 707 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	92.08	-58.04	-13.00	-45.04	2.03 H	59	57.96	-116.00
2	116.33	-57.81	-13.00	-44.81	1.77 H	151	54.93	-112.74
3	181.32	-56.05	-13.00	-43.05	2.56 H	330	55.90	-111.95
4	274.44	-57.98	-13.00	-44.98	1.84 H	214	52.32	-110.30
5	330.70	-59.97	-13.00	-46.97	2.96 H	220	48.51	-108.48
6	466.50	-60.93	-13.00	-47.93	1.57 H	76	44.13	-105.06

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

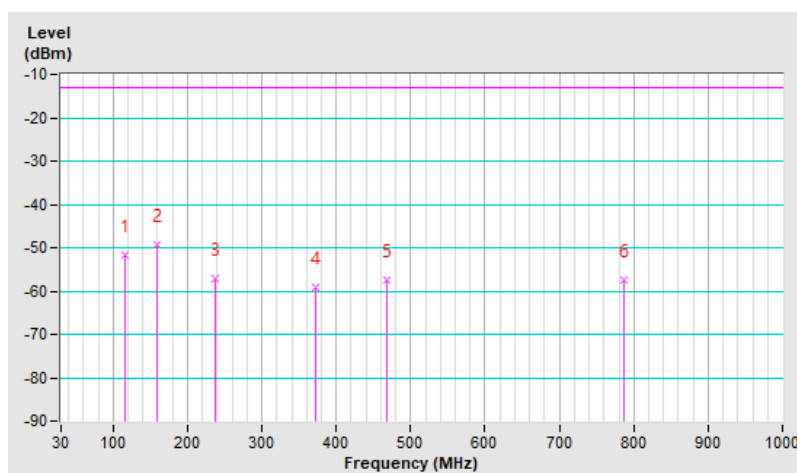


RF Mode	Cat-M1 Band 85 Channel Bandwidth: 10MHz	Channel	CH 134092 : 707 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	115.36	-51.70	-13.00	-38.70	2.33 V	25	61.12	-112.82
2	159.01	-49.46	-13.00	-36.46	1.94 V	125	60.50	-109.96
3	236.61	-57.12	-13.00	-44.12	1.80 V	236	54.79	-111.91
4	371.44	-59.29	-13.00	-46.29	1.47 V	184	48.40	-107.69
5	467.47	-57.46	-13.00	-44.46	2.26 V	330	47.59	-105.05
6	786.60	-57.45	-13.00	-44.45	1.57 V	225	41.44	-98.89

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this 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	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	3701.40	-36.94	-13.00	-23.94	1.95 H	335	58.50	-95.44
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	-30.33	-13.00	-17.33	1.05 V	215	65.11	-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.

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	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	3760.00	-34.09	-13.00	-21.09	2.94 H	232	61.08	-95.17
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	3760.00	-26.85	-13.00	-13.85	1.13 V	154	68.32	-95.17

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 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	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	3818.60	-33.07	-13.00	-20.07	2.15 H	178	61.86	-94.93
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	-26.44	-13.00	-13.44	1.10 V	214	68.49	-94.93

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	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	3705.00	-37.10	-13.00	-24.10	1.95 H	335	58.33	-95.43
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	-29.93	-13.00	-16.93	1.85 V	140	65.50	-95.43

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	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	3760.00	-33.95	-13.00	-20.95	1.62 H	244	61.22	-95.17
2	5640.00	-42.68	-13.00	-29.68	1.56 H	229	49.04	-91.72
3	7520.00	-44.28	-13.00	-31.28	1.66 H	273	43.20	-87.48
4	9400.00	-45.21	-13.00	-32.21	2.26 H	190	42.68	-87.89
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	-27.59	-13.00	-14.59	2.32 V	198	67.58	-95.17
2	5640.00	-44.49	-13.00	-31.49	2.22 V	184	47.23	-91.72
3	7520.00	-40.00	-13.00	-27.00	1.29 V	26	47.48	-87.48
4	9400.00	-37.36	-13.00	-24.36	2.26 V	161	50.53	-87.89

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	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	3815.00	-32.94	-13.00	-19.94	2.15 H	181	62.00	-94.94
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	-27.25	-13.00	-14.25	1.81 V	138	67.69	-94.94

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	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	3720.00	-36.34	-13.00	-23.34	1.95 H	334	59.02	-95.36
2	5580.00	-41.83	-13.00	-28.83	1.53 H	56	50.21	-92.04
3	7440.00	-43.45	-13.00	-30.45	1.63 H	324	43.92	-87.37
4	9300.00	-41.77	-13.00	-28.77	2.51 H	149	45.89	-87.66
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	-29.42	-13.00	-16.42	1.85 V	139	65.94	-95.36
2	5580.00	-45.20	-13.00	-32.20	2.04 V	179	46.84	-92.04
3	7440.00	-39.58	-13.00	-26.58	2.41 V	160	47.79	-87.37
4	9300.00	-32.20	-13.00	-19.20	1.08 V	42	55.46	-87.66

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.

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	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	3760.00	-33.61	-13.00	-20.61	2.93 H	231	61.56	-95.17
2	5640.00	-47.39	-13.00	-34.39	1.34 H	94	44.33	-91.72
3	7520.00	-41.99	-13.00	-28.99	1.96 H	26	45.49	-87.48
4	9400.00	-41.97	-13.00	-28.97	2.43 H	176	45.92	-87.89
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	-26.48	-13.00	-13.48	1.12 V	149	68.69	-95.17
2	5720.00	-43.30	-13.00	-30.30	2.08 V	243	48.03	-91.33
3	7520.00	-39.08	-13.00	-26.08	1.09 V	84	48.40	-87.48
4	9400.00	-34.83	-13.00	-21.83	1.52 V	341	53.06	-87.89

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	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	3800.00	-32.64	-13.00	-19.64	2.16 H	180	62.36	-95.00
2	5700.00	-45.36	-13.00	-32.36	1.55 H	94	46.04	-91.40
3	7600.00	-44.59	-13.00	-31.59	2.21 H	138	43.31	-87.90
4	9500.00	-41.11	-13.00	-28.11	1.52 H	243	46.71	-87.82
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	3800.00	-25.99	-13.00	-12.99	1.05 V	213	69.01	-95.00
2	5700.00	-41.24	-13.00	-28.24	1.83 V	225	50.16	-91.40
3	7600.00	-36.54	-13.00	-23.54	1.82 V	314	51.36	-87.90
4	9500.00	-37.24	-13.00	-24.24	2.03 V	57	50.58	-87.82

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.

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	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	3421.40	-40.81	-13.00	-27.81	3.16 H	96	55.51	-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	-26.69	-13.00	-13.69	2.02 V	103	69.63	-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 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	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	3465.00	-40.90	-13.00	-27.90	3.18 H	95	55.38	-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	3465.00	-26.31	-13.00	-13.31	2.06 V	108	69.97	-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 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	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	3508.60	-40.57	-13.00	-27.57	3.12 H	96	55.67	-96.24
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	3508.60	-26.18	-13.00	-13.18	2.04 V	105	70.06	-96.24

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 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	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	3425.00	-40.65	-13.00	-27.65	3.10 H	97	55.66	-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	-26.68	-13.00	-13.68	2.00 V	103	69.63	-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 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	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	3465.00	-40.97	-13.00	-27.97	3.16 H	98	55.31	-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	3465.00	-26.24	-13.00	-13.24	2.01 V	105	70.04	-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 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	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	3505.00	-40.53	-13.00	-27.53	3.11 H	92	55.73	-96.26
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	-26.45	-13.00	-13.45	2.08 V	103	69.81	-96.26

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	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	3440.00	-40.55	-13.00	-27.55	3.13 H	95	55.75	-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	-26.29	-13.00	-13.29	2.05 V	105	70.01	-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 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	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	3465.00	-40.92	-13.00	-27.92	3.12 H	92	55.36	-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	3465.00	-26.21	-13.00	-13.21	2.09 V	107	70.07	-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 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	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	-40.56	-13.00	-27.56	3.16 H	93	55.72	-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	-26.82	-13.00	-13.82	2.07 V	105	69.46	-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.

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	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	1649.40	-50.80	-13.00	-37.80	1.82 H	171	53.27	-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	1649.40	-45.89	-13.00	-32.89	1.27 V	71	58.18	-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 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	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	-50.78	-13.00	-37.78	1.89 H	175	53.29	-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	-46.35	-13.00	-33.35	1.27 V	74	57.72	-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 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	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	1696.60	-50.63	-13.00	-37.63	1.85 H	177	53.43	-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	1696.60	-45.74	-13.00	-32.74	1.26 V	75	58.32	-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 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	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	1653.00	-51.02	-13.00	-38.02	1.82 H	172	53.05	-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	1653.00	-46.20	-13.00	-33.20	1.25 V	71	57.87	-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.

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	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	-50.90	-13.00	-37.90	1.84 H	173	53.17	-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	-45.85	-13.00	-32.85	1.24 V	76	58.22	-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 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	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	1693.00	-50.82	-13.00	-37.82	1.89 H	172	53.24	-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	-46.13	-13.00	-33.13	1.18 V	77	57.93	-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 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	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	1658.00	-50.78	-13.00	-37.78	1.89 H	170	53.29	-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	1658.00	-45.98	-13.00	-32.98	1.27 V	75	58.09	-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 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	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	-50.55	-13.00	-37.55	1.84 H	169	53.52	-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	-45.66	-13.00	-32.66	1.18 V	73	58.41	-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 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	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	1688.00	-51.01	-13.00	-38.01	1.92 H	174	53.05	-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	1688.00	-46.19	-13.00	-33.19	1.23 V	77	57.87	-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.

7.7.4 Cat-M1 Band 8

RF Mode	Cat-M1 Band 8 Channel Bandwidth: 1.4MHz	Channel	CH 21632 : 898.2 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	1796.40	-22.41	-13.00	-9.41	1.12 H	190	81.36	-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	1796.40	-20.05	-13.00	-7.05	1.71 V	330	83.72	-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 8 Channel Bandwidth: 1.4MHz	Channel	CH 21640 : 899 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	1798.00	-22.13	-13.00	-9.13	1.10 H	189	81.64	-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	1798.00	-19.84	-13.00	-6.84	1.71 V	335	83.93	-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 8 Channel Bandwidth: 1.4MHz	Channel	CH 21648 : 899.8 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	1799.60	-22.18	-13.00	-9.18	1.11 H	193	81.58	-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	1799.60	-20.11	-13.00	-7.11	1.72 V	330	83.65	-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 8 Channel Bandwidth: 3MHz	Channel	CH 21640 : 899 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	1798.00	-21.55	-13.00	-8.55	1.10 H	195	82.22	-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	1798.00	-19.45	-13.00	-6.45	1.70 V	334	84.32	-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.

7.7.5 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	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	1399.40	-21.33	-13.00	-8.33	2.03 H	283	82.98	-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	1399.40	-15.94	-13.00	-2.94	1.96 V	273	88.37	-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 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	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	1415.00	-21.52	-13.00	-8.52	1.97 H	284	82.76	-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	1415.00	-15.90	-13.00	-2.90	1.93 V	280	88.38	-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 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	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	1430.60	-21.43	-13.00	-8.43	2.02 H	282	82.82	-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	1430.60	-15.87	-13.00	-2.87	1.91 V	276	88.38	-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 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	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	1403.00	-21.42	-13.00	-8.42	1.94 H	283	82.89	-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	1403.00	-15.99	-13.00	-2.99	1.90 V	279	88.32	-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 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	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	1415.00	-21.27	-13.00	-8.27	1.95 H	284	83.01	-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	1415.00	-16.11	-13.00	-3.11	1.88 V	277	88.17	-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 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	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	1427.00	-21.38	-13.00	-8.38	2.02 H	281	82.87	-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	-15.78	-13.00	-2.78	1.84 V	280	88.47	-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 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	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	1408.00	-21.33	-13.00	-8.33	1.95 H	287	82.97	-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	1408.00	-15.83	-13.00	-2.83	1.94 V	274	88.47	-104.30

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.

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	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	1415.00	-21.13	-13.00	-8.13	2.01 H	289	83.15	-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	1415.00	-15.72	-13.00	-2.72	1.87 V	273	88.56	-104.28

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 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	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	1422.00	-21.38	-13.00	-8.38	1.94 H	287	82.88	-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	-16.12	-13.00	-3.12	1.86 V	278	88.14	-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.

7.7.6 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	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	1559.00	-56.76	-40.00	-16.76	3.41 H	106	45.27	-102.03
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	1559.00	-52.44	-40.00	-12.44	1.97 V	201	49.59	-102.03

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 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	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	1564.00	-56.70	-40.00	-16.70	3.37 H	109	45.32	-102.02
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	-52.44	-40.00	-12.44	1.97 V	205	49.58	-102.02

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	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	1569.00	-56.81	-40.00	-16.81	3.38 H	108	45.21	-102.02
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	-52.39	-40.00	-12.39	1.99 V	203	49.63	-102.02

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	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	1564.00	-56.56	-40.00	-16.56	3.39 H	107	45.46	-102.02
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	-52.28	-40.00	-12.28	2.06 V	203	49.74	-102.02

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 14

RF Mode	Cat-M1 Band 14 Channel Bandwidth: 5MHz	Channel	CH 23305 : 790.5 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)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1581.00	-56.07	-40.00	-16.07	3.36 H	107	45.92	-101.99
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	1581.00	-51.57	-40.00	-11.57	2.29 V	89	50.42	-101.99

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 14 Channel Bandwidth: 5MHz	Channel	CH 23330 : 793 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	1586.00	-55.99	-40.00	-15.99	3.38 H	104	46.00	-101.99
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	1586.00	-51.41	-40.00	-11.41	2.24 V	85	50.58	-101.99

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 14 Channel Bandwidth: 5MHz	Channel	CH 23355 : 795.5 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)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1591.00	-56.22	-40.00	-16.22	3.44 H	105	45.76	-101.98
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	1591.00	-51.61	-40.00	-11.61	2.19 V	84	50.37	-101.98

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 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 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	1586.00	-55.92	-40.00	-15.92	3.41 H	111	46.07	-101.99
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	1586.00	-51.32	-40.00	-11.32	2.24 V	85	50.67	-101.99

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.

7.7.8 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	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	3701.40	-36.83	-13.00	-23.83	1.50 H	165	58.61	-95.44
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	-26.03	-13.00	-13.03	1.55 V	174	69.41	-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.

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	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	3765.00	-36.90	-13.00	-23.90	1.55 H	160	58.25	-95.15
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	-25.81	-13.00	-12.81	1.55 V	173	69.34	-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.

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	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	3828.60	-37.04	-13.00	-24.04	1.51 H	166	57.86	-94.90
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	-26.17	-13.00	-13.17	1.54 V	172	68.73	-94.90

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	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	3705.00	-37.04	-13.00	-24.04	1.54 H	166	58.39	-95.43
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	-26.43	-13.00	-13.43	1.58 V	170	69.00	-95.43

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	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	3765.00	-36.77	-13.00	-23.77	1.52 H	155	58.38	-95.15
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	-26.00	-13.00	-13.00	1.54 V	170	69.15	-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.

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	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	3825.00	-37.12	-13.00	-24.12	1.52 H	169	57.79	-94.91
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	-26.30	-13.00	-13.30	1.55 V	159	68.61	-94.91

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	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	3720.00	-36.79	-13.00	-23.79	1.55 H	160	58.57	-95.36
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	-25.82	-13.00	-12.82	1.58 V	177	69.54	-95.36

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	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	3765.00	-36.27	-13.00	-23.27	1.55 H	164	58.88	-95.15
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	-25.58	-13.00	-12.58	1.56 V	174	69.57	-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.

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	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	3810.00	-36.81	-13.00	-23.81	1.55 H	161	58.15	-94.96
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	-26.26	-13.00	-13.26	1.56 V	180	68.70	-94.96

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.

7.7.9 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	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	1649.40	-21.89	-13.00	-8.89	2.48 H	70	82.18	-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	1649.40	-19.66	-13.00	-6.66	1.20 V	5	84.41	-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: 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	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	-22.42	-13.00	-9.42	2.50 H	65	81.65	-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	1673.00	-20.02	-13.00	-7.02	1.23 V	7	84.05	-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: 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	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	1696.60	-21.95	-13.00	-8.95	2.48 H	65	82.11	-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	1696.60	-19.83	-13.00	-6.83	1.22 V	8	84.23	-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: 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	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	1653.00	-22.36	-13.00	-9.36	2.49 H	68	81.71	-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	1653.00	-20.18	-13.00	-7.18	1.14 V	4	83.89	-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 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:

- 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: 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:

- 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: 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:

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 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:

- 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.

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

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)
3.8	1712.499999	-0.000584	1752.499998	-0.001141
2.5	1712.500002	0.001168	1752.499996	-0.002282
4.4	1712.500003	0.001752	1752.500003	0.001712

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1712.499996	-0.002336	1752.499996	-0.002282
-30	1712.500004	0.002336	1752.500004	0.002282
-20	1712.500003	0.001752	1752.500005	0.002853
-10	1712.500002	0.001168	1752.500001	0.000571
0	1712.500005	0.002920	1752.500004	0.002282
10	1712.499995	-0.002920	1752.499995	-0.002853
20	1712.499999	-0.000584	1752.499998	-0.001141
30	1712.500003	0.001752	1752.500004	0.002282
40	1712.500003	0.001752	1752.500005	0.002853
50	1712.499997	-0.001752	1752.500004	0.002282
50	1712.499996	-0.002336	1752.499997	-0.001712
50	1712.500005	0.002920	1752.500004	0.002282
50	1712.500005	0.002920	1752.500002	0.001141
85	1712.499996	-0.002336	1752.499996	-0.002282

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)
3.8	1715.000005	0.002915	1749.999998	-0.001143
2.5	1715.000001	0.000583	1750.000002	0.001143
4.4	1715.000005	0.002915	1750.000002	0.001143

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1714.999998	-0.001166	1750.000003	0.001714
-30	1715.000002	0.001166	1750.000004	0.002286
-20	1714.999996	-0.002332	1750.000004	0.002286
-10	1715.000002	0.001166	1749.999995	-0.002857
0	1715.000002	0.001166	1750.000004	0.002286
10	1715.000004	0.002332	1750.000002	0.001143
20	1714.999999	-0.000583	1749.999998	-0.001143
30	1714.999995	-0.002915	1749.999995	-0.002857
40	1715.000005	0.002915	1749.999999	-0.000571
50	1714.999995	-0.002915	1749.999997	-0.001714
50	1714.999997	-0.001749	1749.999998	-0.001143
50	1715.000003	0.001749	1749.999997	-0.001714
50	1715.000005	0.002915	1749.999999	-0.000571
85	1714.999996	-0.002332	1749.999998	-0.001143

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)
3.8	1717.500001	0.000582	1747.500002	0.001144
2.5	1717.499997	-0.001747	1747.500005	0.002861
4.4	1717.499998	-0.001164	1747.499996	-0.002289

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1717.500002	0.001164	1747.499998	-0.001144
-30	1717.499997	-0.001747	1747.499995	-0.002861
-20	1717.500001	0.000582	1747.500002	0.001144
-10	1717.500001	0.000582	1747.499995	-0.002861
0	1717.499999	-0.000582	1747.500002	0.001144
10	1717.499996	-0.002329	1747.499998	-0.001144
20	1717.500002	0.001164	1747.500005	0.002861
30	1717.499995	-0.002911	1747.499998	-0.001144
40	1717.500001	0.000582	1747.500003	0.001717
50	1717.500005	0.002911	1747.500003	0.001717
50	1717.500005	0.002911	1747.499995	-0.002861
50	1717.499999	-0.000582	1747.499999	-0.000572
50	1717.499998	-0.001164	1747.499998	-0.001144
85	1717.500003	0.001747	1747.499997	-0.001717

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)
3.8	1720.000005	0.002907	1745.000002	0.001146
2.5	1720.000005	0.002907	1745.000004	0.002292
4.4	1720.000002	0.001163	1745.000003	0.001719

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1719.999999	-0.000581	1744.999996	-0.002292
-30	1720.000004	0.002326	1745.000004	0.002292
-20	1719.999997	-0.001744	1744.999996	-0.002292
-10	1720.000002	0.001163	1745.000004	0.002292
0	1719.999997	-0.001744	1744.999999	-0.000573
10	1719.999997	-0.001744	1745.000001	0.000573
20	1720.000002	0.001163	1745.000003	0.001719
30	1720.000000	0.000000	1745.000002	0.001146
40	1719.999995	-0.002907	1745.000002	0.001146
50	1720.000003	0.001744	1745.000003	0.001719
50	1720.000004	0.002326	1745.000003	0.001719
50	1720.000005	0.002907	1744.999997	-0.001719
50	1720.000003	0.001744	1745.000001	0.000573
85	1720.000002	0.001163	1744.999999	-0.000573

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)
3.8	824.700002	0.002425	848.300003	0.003536
2.5	824.700001	0.001213	848.300002	0.002358
4.4	824.700004	0.004850	848.299997	-0.003536

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	824.700005	0.006063	848.300002	0.002358
-30	824.699998	-0.002425	848.300003	0.003536
-20	824.699996	-0.004850	848.300002	0.002358
-10	824.699998	-0.002425	848.299997	-0.003536
0	824.700001	0.001213	848.299998	-0.002358
10	824.700002	0.002425	848.300003	0.003536
20	824.700001	0.001213	848.299997	-0.003536
30	824.700002	0.002425	848.299996	-0.004715
40	824.700005	0.006063	848.300003	0.003536
50	824.700001	0.001213	848.300005	0.005894
60	824.699996	-0.004850	848.300004	0.004715
70	824.699997	-0.003638	848.300004	0.004715
80	824.699996	-0.004850	848.300003	0.003536
85	824.700001	0.001213	848.300005	0.005894

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)
3.8	825.499999	-0.001211	847.500003	0.003540
2.5	825.500005	0.006057	847.500001	0.001180
4.4	825.500003	0.003634	847.499997	-0.003540

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	825.499997	-0.003634	847.500002	0.002360
-30	825.500003	0.003634	847.499997	-0.003540
-20	825.500004	0.004846	847.500004	0.004720
-10	825.500001	0.001211	847.500005	0.005900
0	825.500003	0.003634	847.500003	0.003540
10	825.500005	0.006057	847.500001	0.001180
20	825.499997	-0.003634	847.500003	0.003540
30	825.499997	-0.003634	847.500005	0.005900
40	825.499997	-0.003634	847.499997	-0.003540
50	825.499995	-0.006057	847.500002	0.002360
50	825.499997	-0.003634	847.499997	-0.003540
50	825.499999	-0.001211	847.500005	0.005900
50	825.500005	0.006057	847.499995	-0.005900
85	825.500002	0.002423	847.499996	-0.004720

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)
3.8	826.500003	0.003630	846.500003	0.003544
2.5	826.500002	0.002420	846.499995	-0.005907
4.4	826.499998	-0.002420	846.499998	-0.002363

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	826.500001	0.001210	846.500004	0.004725
-30	826.499998	-0.002420	846.500004	0.004725
-20	826.500004	0.004840	846.500003	0.003544
-10	826.499996	-0.004840	846.500002	0.002363
0	826.499995	-0.006050	846.499995	-0.005907
10	826.499997	-0.003630	846.500003	0.003544
20	826.499999	-0.001210	846.499995	-0.005907
30	826.499995	-0.006050	846.500001	0.001181
40	826.499996	-0.004840	846.500001	0.001181
50	826.499998	-0.002420	846.499997	-0.003544
50	826.499999	-0.001210	846.500001	0.001181
50	826.499999	-0.001210	846.499996	-0.004725
50	826.499997	-0.003630	846.499999	-0.001181
85	826.500005	0.006050	846.500002	0.002363

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)
3.8	828.999997	-0.003619	844.000003	0.003555
2.5	828.999995	-0.006031	843.999996	-0.004739
4.4	828.999999	-0.001206	843.999999	-0.001185

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	829.000004	0.004825	844.000002	0.002370
-30	828.999995	-0.006031	844.000003	0.003555
-20	829.000005	0.006031	844.000001	0.001185
-10	829.000001	0.001206	844.000002	0.002370
0	829.000005	0.006031	843.999999	-0.001185
10	829.000001	0.001206	843.999996	-0.004739
20	828.999999	-0.001206	844.000003	0.003555
30	829.000004	0.004825	844.000002	0.002370
40	828.999999	-0.001206	843.999999	-0.001185
50	829.000002	0.002413	843.999995	-0.005924
50	829.000004	0.004825	844.000001	0.001185
50	829.000003	0.003619	844.000002	0.002370
50	829.000001	0.001206	843.999998	-0.002370
85	829.000003	0.003619	844.000004	0.004739

7.8.4 Cat-M1 Band 8

Cat-M1 Band 8, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 21632 (898.2 MHz)		CH 21648 (899.8 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	898.199996	-0.004453	899.800002	0.002223
2.5	898.200004	0.004453	899.800004	0.004445
4.4	898.200001	0.001113	899.799997	-0.003334

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 21632 (898.2 MHz)		CH 21648 (899.8 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	898.200002	0.002227	899.800005	0.005557
-30	898.199996	-0.004453	899.800004	0.004445
-20	898.200003	0.003340	899.799995	-0.005557
-10	898.200004	0.004453	899.799997	-0.003334
0	898.200002	0.002227	899.799997	-0.003334
10	898.199998	-0.002227	899.799995	-0.005557
20	898.200002	0.002227	899.799996	-0.004445
30	898.200001	0.001113	899.799999	-0.001111
40	898.199997	-0.003340	899.799998	-0.002223
50	898.200003	0.003340	899.799997	-0.003334
60	898.200002	0.002227	899.800004	0.004445
70	898.199995	-0.005567	899.799998	-0.002223
80	898.200001	0.001113	899.799997	-0.003334
85	898.199995	-0.005567	899.800005	0.005557

Cat-M1 Band 8, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 21640 (899 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
3.8	899.000003	0.003337
2.5	898.999996	-0.004449
4.4	899.000002	0.002225

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 21640 (899 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	898.999998	-0.002225
-30	898.999997	-0.003337
-20	899.000002	0.002225
-10	898.999999	-0.001112
0	898.999995	-0.005562
10	898.999998	-0.002225
20	898.999995	-0.005562
30	899.000001	0.001112
40	899.000003	0.003337
50	898.999997	-0.003337
50	899.000004	0.004449
50	899.000005	0.005562
50	898.999998	-0.002225
85	898.999995	-0.005562

7.8.5 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)
3.8	699.699997	-0.004288	715.299997	-0.004194
2.5	699.700002	0.002858	715.299995	-0.006990
4.4	699.699997	-0.004288	715.300002	0.002796

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	699.700002	0.002858	715.300005	0.006990
-30	699.700004	0.005717	715.299999	-0.001398
-20	699.700001	0.001429	715.299998	-0.002796
-10	699.700005	0.007146	715.299998	-0.002796
0	699.700003	0.004288	715.300004	0.005592
10	699.699997	-0.004288	715.300005	0.006990
20	699.699998	-0.002858	715.300005	0.006990
30	699.699995	-0.007146	715.300005	0.006990
40	699.699997	-0.004288	715.300001	0.001398
50	699.700004	0.005717	715.299997	-0.004194
60	699.699996	-0.005717	715.299996	-0.005592
70	699.700005	0.007146	715.299998	-0.002796
80	699.700002	0.002858	715.300003	0.004194
85	699.700001	0.001429	715.300001	0.001398

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)
3.8	700.499999	-0.001428	714.500003	0.004199
2.5	700.499999	-0.001428	714.500002	0.002799
4.4	700.499999	-0.001428	714.500001	0.001400

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	700.499998	-0.002855	714.499995	-0.006998
-30	700.500004	0.005710	714.499998	-0.002799
-20	700.499999	-0.001428	714.499996	-0.005598
-10	700.500004	0.005710	714.499997	-0.004199
0	700.500002	0.002855	714.500002	0.002799
10	700.499997	-0.004283	714.499998	-0.002799
20	700.500001	0.001428	714.500003	0.004199
30	700.500001	0.001428	714.500004	0.005598
40	700.500004	0.005710	714.500003	0.004199
50	700.499999	-0.001428	714.500001	0.001400
50	700.499998	-0.002855	714.500001	0.001400
50	700.499996	-0.005710	714.500001	0.001400
50	700.500004	0.005710	714.500003	0.004199
85	700.500004	0.005710	714.499996	-0.005598

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)
3.8	701.499999	-0.001426	713.500005	0.007008
2.5	701.499997	-0.004277	713.500003	0.004205
4.4	701.499997	-0.004277	713.500001	0.001402

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	701.499998	-0.002851	713.499995	-0.007008
-30	701.500001	0.001426	713.499997	-0.004205
-20	701.500005	0.007128	713.499996	-0.005606
-10	701.500001	0.001426	713.499996	-0.005606
0	701.500002	0.002851	713.499997	-0.004205
10	701.500002	0.002851	713.499998	-0.002803
20	701.500001	0.001426	713.500003	0.004205
30	701.499996	-0.005702	713.499996	-0.005606
40	701.500002	0.002851	713.500002	0.002803
50	701.499995	-0.007128	713.499999	-0.001402
50	701.499996	-0.005702	713.500002	0.002803
50	701.499996	-0.005702	713.499998	-0.002803
50	701.500005	0.007128	713.500003	0.004205
85	701.499998	-0.002851	713.499998	-0.002803

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)
3.8	703.999996	-0.005682	710.999996	-0.005626
2.5	704.000001	0.001420	711.000004	0.005626
4.4	703.999995	-0.007102	711.000004	0.005626

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	703.999996	-0.005682	711.000002	0.002813
-30	703.999996	-0.005682	710.999999	-0.001406
-20	703.999996	-0.005682	710.999997	-0.004219
-10	704.000002	0.002841	710.999996	-0.005626
0	703.999996	-0.005682	710.999996	-0.005626
10	704.000001	0.001420	710.999996	-0.005626
20	703.999998	-0.002841	710.999996	-0.005626
30	704.000001	0.001420	710.999997	-0.004219
40	703.999996	-0.005682	710.999998	-0.002813
50	704.000004	0.005682	710.999999	-0.001406
50	704.000001	0.001420	710.999998	-0.002813
50	703.999999	-0.001420	711.000004	0.005626
50	704.000001	0.001420	710.999995	-0.007032
85	703.999996	-0.005682	711.000002	0.002813

7.8.6 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)
3.8	779.499995	-0.006414	784.500002	0.002549
2.5	779.499995	-0.006414	784.500005	0.006373
4.4	779.500001	0.001283	784.500003	0.003824

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	779.499998	-0.002566	784.499999	-0.001275
-30	779.499995	-0.006414	784.500003	0.003824
-20	779.500001	0.001283	784.500003	0.003824
-10	779.500001	0.001283	784.500001	0.001275
0	779.500004	0.005131	784.500003	0.003824
10	779.500004	0.005131	784.500001	0.001275
20	779.500004	0.005131	784.499997	-0.003824
30	779.499997	-0.003849	784.500001	0.001275
40	779.500001	0.001283	784.499999	-0.001275
50	779.500004	0.005131	784.499999	-0.001275
60	779.499995	-0.006414	784.499996	-0.005099
70	779.500004	0.005131	784.500004	0.005099
80	779.500005	0.006414	784.500001	0.001275
85	779.500004	0.005131	784.500003	0.003824

Cat-M1 Band 13, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 23230 (782 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
3.8	782.000003	0.003836
2.5	781.999996	-0.005115
4.4	781.999997	-0.003836

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 23230 (782 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	781.999997	-0.003836
-30	782.000005	0.006394
-20	782.000005	0.006394
-10	782.000001	0.001279
0	781.999997	-0.003836
10	781.999996	-0.005115
20	781.999996	-0.005115
30	782.000004	0.005115
40	781.999996	-0.005115
50	781.999999	-0.001279
50	781.999996	-0.005115
50	781.999997	-0.003836
50	782.000003	0.003836
85	781.999996	-0.005115

7.8.7 Cat-M1 Band 14

Cat-M1 Band 14, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23305 (790.5 MHz)		CH 23355 (795.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.8	790.500002	0.002530	795.499999	-0.001257
2.5	790.500003	0.003795	795.499998	-0.002514
4.4	790.500002	0.002530	795.500001	0.001257

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23305 (790.5 MHz)		CH 23355 (795.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	790.500005	0.006325	795.499999	-0.001257
-30	790.499999	-0.001265	795.499996	-0.005028
-20	790.499998	-0.002530	795.499997	-0.003771
-10	790.500003	0.003795	795.499999	-0.001257
0	790.500002	0.002530	795.500003	0.003771
10	790.499998	-0.002530	795.499995	-0.006285
20	790.500001	0.001265	795.500004	0.005028
30	790.499998	-0.002530	795.500005	0.006285
40	790.499999	-0.001265	795.500002	0.002514
50	790.499997	-0.003795	795.500001	0.001257
60	790.499996	-0.005060	795.499999	-0.001257
70	790.500002	0.002530	795.499998	-0.002514
80	790.500004	0.005060	795.499995	-0.006285
85	790.499997	-0.003795	795.500004	0.005028

Cat-M1 Band 14, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 23330 (793 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
3.8	792.999996	-0.005044
2.5	793.000002	0.002522
4.4	793.000001	0.001261

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 23330 (793 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	793.000001	0.001261
-30	793.000001	0.001261
-20	792.999996	-0.005044
-10	793.000002	0.002522
0	792.999998	-0.002522
10	793.000003	0.003783
20	793.000002	0.002522
30	793.000001	0.001261
40	793.000002	0.002522
50	792.999996	-0.005044
50	793.000003	0.003783
50	793.000004	0.005044
50	792.999999	-0.001261
85	793.000002	0.002522

7.8.8 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)
3.8	1850.699998	-0.001081	1914.299999	-0.000522
2.5	1850.700005	0.002702	1914.299997	-0.001567
4.4	1850.700005	0.002702	1914.299996	-0.002090

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1850.700002	0.001081	1914.300002	0.001045
-30	1850.700003	0.001621	1914.300003	0.001567
-20	1850.700003	0.001621	1914.300003	0.001567
-10	1850.699999	-0.000540	1914.299998	-0.001045
0	1850.699998	-0.001081	1914.300003	0.001567
10	1850.700005	0.002702	1914.299999	-0.000522
20	1850.700005	0.002702	1914.299995	-0.002612
30	1850.700005	0.002702	1914.300001	0.000522
40	1850.700002	0.001081	1914.299999	-0.000522
50	1850.700004	0.002161	1914.300005	0.002612
60	1850.700001	0.000540	1914.300001	0.000522
70	1850.699999	-0.000540	1914.299998	-0.001045
80	1850.700002	0.001081	1914.299997	-0.001567
85	1850.700002	0.001081	1914.299998	-0.001045

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)
3.8	1851.499996	-0.002160	1913.499998	-0.001045
2.5	1851.499995	-0.002701	1913.500001	0.000523
4.4	1851.500003	0.001620	1913.499996	-0.002090

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1851.500005	0.002701	1913.499999	-0.000523
-30	1851.499998	-0.001080	1913.499998	-0.001045
-20	1851.499997	-0.001620	1913.499998	-0.001045
-10	1851.499998	-0.001080	1913.499998	-0.001045
0	1851.499997	-0.001620	1913.499999	-0.000523
10	1851.499997	-0.001620	1913.499999	-0.000523
20	1851.499999	-0.000540	1913.499999	-0.000523
30	1851.499996	-0.002160	1913.499996	-0.002090
40	1851.500003	0.001620	1913.500002	0.001045
50	1851.499997	-0.001620	1913.499995	-0.002613
50	1851.499996	-0.002160	1913.499996	-0.002090
50	1851.500003	0.001620	1913.500003	0.001568
50	1851.499995	-0.002701	1913.499997	-0.001568
85	1851.500004	0.002160	1913.499997	-0.001568

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)
3.8	1852.500005	0.002699	1912.500002	0.001046
2.5	1852.499998	-0.001080	1912.499999	-0.000523
4.4	1852.500002	0.001080	1912.499997	-0.001569

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1852.500001	0.000540	1912.500001	0.000523
-30	1852.500003	0.001619	1912.499995	-0.002614
-20	1852.500003	0.001619	1912.499997	-0.001569
-10	1852.499996	-0.002159	1912.500002	0.001046
0	1852.499995	-0.002699	1912.500004	0.002092
10	1852.499995	-0.002699	1912.499998	-0.001046
20	1852.500002	0.001080	1912.499998	-0.001046
30	1852.500003	0.001619	1912.499997	-0.001569
40	1852.500005	0.002699	1912.500005	0.002614
50	1852.499999	-0.000540	1912.500005	0.002614
50	1852.499997	-0.001619	1912.499995	-0.002614
50	1852.499995	-0.002699	1912.500003	0.001569
50	1852.500005	0.002699	1912.499998	-0.001046
85	1852.499997	-0.001619	1912.499998	-0.001046

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)
3.8	1854.999999	-0.000539	1910.000002	0.001047
2.5	1855.000004	0.002156	1910.000004	0.002094
4.4	1855.000002	0.001078	1910.000002	0.001047

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1855.000003	0.001617	1910.000002	0.001047
-30	1854.999995	-0.002695	1910.000001	0.000524
-20	1854.999996	-0.002156	1910.000003	0.001571
-10	1855.000004	0.002156	1909.999996	-0.002094
0	1854.999996	-0.002156	1910.000002	0.001047
10	1854.999998	-0.001078	1910.000002	0.001047
20	1855.000005	0.002695	1909.999997	-0.001571
30	1854.999999	-0.000539	1909.999996	-0.002094
40	1855.000003	0.001617	1909.999997	-0.001571
50	1855.000001	0.000539	1910.000003	0.001571
50	1854.999997	-0.001617	1910.000003	0.001571
50	1855.000003	0.001617	1910.000003	0.001571
50	1855.000001	0.000539	1910.000002	0.001047
85	1855.000005	0.002695	1909.999999	-0.000524

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)
3.8	1857.499998	-0.001077	1907.499995	-0.002621
2.5	1857.500001	0.000538	1907.500003	0.001573
4.4	1857.500005	0.002692	1907.499995	-0.002621

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1857.500005	0.002692	1907.500002	0.001048
-30	1857.500004	0.002153	1907.499998	-0.001048
-20	1857.499998	-0.001077	1907.500005	0.002621
-10	1857.500003	0.001615	1907.500005	0.002621
0	1857.500003	0.001615	1907.500003	0.001573
10	1857.499999	-0.000538	1907.500002	0.001048
20	1857.500005	0.002692	1907.499995	-0.002621
30	1857.500001	0.000538	1907.500002	0.001048
40	1857.500003	0.001615	1907.500002	0.001048
50	1857.499996	-0.002153	1907.500005	0.002621
50	1857.499999	-0.000538	1907.499995	-0.002621
50	1857.499998	-0.001077	1907.500002	0.001048
50	1857.500002	0.001077	1907.500004	0.002097
85	1857.499998	-0.001077	1907.499996	-0.002097

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)
3.8	1860.000001	0.000538	1904.999998	-0.001050
2.5	1859.999996	-0.002151	1905.000002	0.001050
4.4	1860.000001	0.000538	1905.000002	0.001050

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1860.000004	0.002151	1904.999999	-0.000525
-30	1860.000002	0.001075	1904.999998	-0.001050
-20	1859.999995	-0.002688	1904.999999	-0.000525
-10	1859.999995	-0.002688	1904.999996	-0.002100
0	1860.000004	0.002151	1905.000003	0.001575
10	1860.000001	0.000538	1904.999998	-0.001050
20	1859.999996	-0.002151	1905.000002	0.001050
30	1860.000004	0.002151	1904.999998	-0.001050
40	1859.999996	-0.002151	1905.000005	0.002625
50	1859.999999	-0.000538	1905.000001	0.000525
50	1860.000002	0.001075	1904.999996	-0.002100
50	1860.000001	0.000538	1904.999999	-0.000525
50	1860.000004	0.002151	1905.000001	0.000525
85	1860.000001	0.000538	1904.999995	-0.002625

7.8.9 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)
3.8	824.700001	0.001213	848.300004	0.004715
2.5	824.700002	0.002425	848.300003	0.003536
4.4	824.700003	0.003638	848.300002	0.002358

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	824.700002	0.002425	848.299998	-0.002358
-30	824.699998	-0.002425	848.300003	0.003536
-20	824.700003	0.003638	848.300004	0.004715
-10	824.699997	-0.003638	848.300004	0.004715
0	824.699997	-0.003638	848.299996	-0.004715
10	824.700001	0.001213	848.300002	0.002358
20	824.699996	-0.004850	848.300001	0.001179
30	824.699999	-0.001213	848.300003	0.003536
40	824.700005	0.006063	848.299997	-0.003536
50	824.699995	-0.006063	848.299995	-0.005894
60	824.700002	0.002425	848.300004	0.004715
70	824.699999	-0.001213	848.299997	-0.003536
80	824.699997	-0.003638	848.299995	-0.005894
85	824.699997	-0.003638	848.300003	0.003536

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)
3.8	825.500003	0.003634	847.500005	0.005900
2.5	825.500001	0.001211	847.500001	0.001180
4.4	825.500002	0.002423	847.500004	0.004720

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	825.500005	0.006057	847.500003	0.003540
-30	825.499999	-0.001211	847.499998	-0.002360
-20	825.500002	0.002423	847.500004	0.004720
-10	825.499997	-0.003634	847.500005	0.005900
0	825.500003	0.003634	847.499996	-0.004720
10	825.500001	0.001211	847.500005	0.005900
20	825.499995	-0.006057	847.499996	-0.004720
30	825.500003	0.003634	847.500004	0.004720
40	825.500004	0.004846	847.499998	-0.002360
50	825.500005	0.006057	847.499997	-0.003540
50	825.499997	-0.003634	847.499998	-0.002360
50	825.500003	0.003634	847.499999	-0.001180
50	825.499996	-0.004846	847.500005	0.005900
85	825.499998	-0.002423	847.499995	-0.005900

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)
3.8	826.499998	-0.002420	846.499996	-0.004725
2.5	826.499995	-0.006050	846.500003	0.003544
4.4	826.500001	0.001210	846.500003	0.003544

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	826.500002	0.002420	846.500004	0.004725
-30	826.499997	-0.003630	846.499997	-0.003544
-20	826.499997	-0.003630	846.500003	0.003544
-10	826.500002	0.002420	846.500002	0.002363
0	826.499999	-0.001210	846.500002	0.002363
10	826.499999	-0.001210	846.499999	-0.001181
20	826.499999	-0.001210	846.500003	0.003544
30	826.500004	0.004840	846.499999	-0.001181
40	826.500005	0.006050	846.499997	-0.003544
50	826.500002	0.002420	846.499996	-0.004725
50	826.499999	-0.001210	846.499995	-0.005907
50	826.499995	-0.006050	846.500003	0.003544
50	826.499999	-0.001210	846.500002	0.002363
85	826.500004	0.004840	846.500004	0.004725

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)
3.8	829.000001	0.001206	843.999998	-0.002370
2.5	828.999995	-0.006031	844.000003	0.003555
4.4	828.999996	-0.004825	844.000004	0.004739

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	829.000003	0.003619	844.000003	0.003555
-30	829.000004	0.004825	843.999999	-0.001185
-20	829.000004	0.004825	844.000004	0.004739
-10	829.000003	0.003619	844.000004	0.004739
0	829.000001	0.001206	843.999995	-0.005924
10	828.999995	-0.006031	844.000002	0.002370
20	829.000002	0.002413	843.999998	-0.002370
30	829.000002	0.002413	844.000000	0.000000
40	829.000001	0.001206	844.000003	0.003555
50	829.000002	0.002413	843.999995	-0.005924
50	828.999997	-0.003619	844.000002	0.002370
50	829.000001	0.001206	844.000001	0.001185
50	828.999996	-0.004825	843.999996	-0.004739
85	829.000004	0.004825	844.000003	0.003555

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)
3.8	831.499999	-0.001203	841.499996	-0.004753
2.5	831.500004	0.004811	841.499996	-0.004753
4.4	831.499996	-0.004811	841.500005	0.005942

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	831.499997	-0.003608	841.500003	0.003565
-30	831.499996	-0.004811	841.500005	0.005942
-20	831.500004	0.004811	841.500005	0.005942
-10	831.499999	-0.001203	841.499999	-0.001188
0	831.500003	0.003608	841.499996	-0.004753
10	831.499997	-0.003608	841.500003	0.003565
20	831.500005	0.006013	841.499995	-0.005942
30	831.500005	0.006013	841.500003	0.003565
40	831.500001	0.001203	841.499998	-0.002377
50	831.500001	0.001203	841.500001	0.001188
50	831.500001	0.001203	841.499995	-0.005942
50	831.500004	0.004811	841.499998	-0.002377
50	831.499996	-0.004811	841.499999	-0.001188
85	831.500002	0.002405	841.500002	0.002377

7.8.10 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)
3.8	814.699998	-0.002455	823.299998	-0.002429
2.5	814.700005	0.006137	823.299998	-0.002429
4.4	814.699999	-0.001227	823.299996	-0.004858

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	814.699996	-0.004910	823.300005	0.006073
-30	814.700003	0.003682	823.300004	0.004858
-20	814.699999	-0.001227	823.299998	-0.002429
-10	814.699999	-0.001227	823.300001	0.001215
0	814.699999	-0.001227	823.300003	0.003644
10	814.700005	0.006137	823.300001	0.001215
20	814.699997	-0.003682	823.300001	0.001215
30	814.699999	-0.001227	823.300002	0.002429
40	814.700005	0.006137	823.300002	0.002429
50	814.700001	0.001227	823.299997	-0.003644
60	814.700001	0.001227	823.300005	0.006073
70	814.699999	-0.001227	823.300005	0.006073
80	814.699995	-0.006137	823.299995	-0.006073
85	814.699996	-0.004910	823.299998	-0.002429

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)
3.8	815.500004	0.004905	823.300003	0.003647
2.5	815.500001	0.001226	823.300005	0.006079
4.4	815.500004	0.004905	823.299995	-0.006079

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	815.500005	0.006131	823.299996	-0.004863
-30	815.499996	-0.004905	823.299999	-0.001216
-20	815.499996	-0.004905	823.300001	0.001216
-10	815.500001	0.001226	823.299997	-0.003647
0	815.499995	-0.006131	823.300002	0.002432
10	815.500001	0.001226	823.300002	0.002432
20	815.500003	0.003679	823.300004	0.004863
30	815.499998	-0.002452	823.300004	0.004863
40	815.499995	-0.006131	823.299999	-0.001216
50	815.500002	0.002452	823.300002	0.002432
50	815.499999	-0.001226	823.300003	0.003647
50	815.499997	-0.003679	823.299999	-0.001216
50	815.499997	-0.003679	823.299997	-0.003647
85	815.499996	-0.004905	823.300001	0.001216

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)
3.8	816.499998	-0.002449	823.300002	0.002435
2.5	816.500004	0.004899	823.299999	-0.001217
4.4	816.499996	-0.004899	823.300001	0.001217

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	816.499995	-0.006124	823.300004	0.004869
-30	816.500003	0.003674	823.299996	-0.004869
-20	816.500002	0.002449	823.299996	-0.004869
-10	816.500001	0.001225	823.300001	0.001217
0	816.500005	0.006124	823.300001	0.001217
10	816.499998	-0.002449	823.300005	0.006086
20	816.500004	0.004899	823.300004	0.004869
30	816.500002	0.002449	823.300001	0.001217
40	816.500002	0.002449	823.300001	0.001217
50	816.500001	0.001225	823.299995	-0.006086
50	816.500003	0.003674	823.300002	0.002435
50	816.500004	0.004899	823.299995	-0.006086
50	816.499996	-0.004899	823.299995	-0.006086
85	816.500001	0.001225	823.299996	-0.004869

Cat-M1 Band 26, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 26740 (819 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
3.8	818.999999	-0.001221
2.5	819.000004	0.004884
4.4	818.999997	-0.003663

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 26740 (819 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	818.999999	-0.001221
-30	818.999996	-0.004884
-20	818.999995	-0.006105
-10	818.999996	-0.004884
0	819.000005	0.006105
10	819.000001	0.001221
20	819.000005	0.006105
30	819.000002	0.002442
40	818.999997	-0.003663
50	819.000004	0.004884
60	819.000004	0.004884
70	819.000004	0.004884
80	818.999999	-0.001221
85	818.999998	-0.002442

7.8.11 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)
3.8	1710.699995	-0.002923	1779.299999	-0.000562
2.5	1710.700005	0.002923	1779.299999	-0.000562
4.4	1710.699998	-0.001169	1779.300001	0.000562

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1710.699998	-0.001169	1779.299997	-0.001686
-30	1710.699997	-0.001754	1779.300005	0.002810
-20	1710.700004	0.002338	1779.299995	-0.002810
-10	1710.699999	-0.000585	1779.299997	-0.001686
0	1710.699999	-0.000585	1779.300003	0.001686
10	1710.699999	-0.000585	1779.299998	-0.001124
20	1710.699998	-0.001169	1779.300005	0.002810
30	1710.700001	0.000585	1779.299995	-0.002810
40	1710.700001	0.000585	1779.299998	-0.001124
50	1710.700005	0.002923	1779.299997	-0.001686
60	1710.699997	-0.001754	1779.300001	0.000562
70	1710.699995	-0.002923	1779.300001	0.000562
80	1710.699996	-0.002338	1779.299996	-0.002248
85	1710.699999	-0.000585	1779.299998	-0.001124

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)
3.8	1711.500003	0.001753	1778.500005	0.002811
2.5	1711.499997	-0.001753	1778.499995	-0.002811
4.4	1711.500001	0.000584	1778.500001	0.000562

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1711.499996	-0.002337	1778.500002	0.001125
-30	1711.500001	0.000584	1778.500002	0.001125
-20	1711.500002	0.001169	1778.500001	0.000562
-10	1711.499998	-0.001169	1778.500004	0.002249
0	1711.500005	0.002921	1778.500005	0.002811
10	1711.500002	0.001169	1778.500002	0.001125
20	1711.499998	-0.001169	1778.500001	0.000562
30	1711.499998	-0.001169	1778.500003	0.001687
40	1711.499998	-0.001169	1778.499995	-0.002811
50	1711.500003	0.001753	1778.499998	-0.001125
50	1711.500005	0.002921	1778.499997	-0.001687
50	1711.499998	-0.001169	1778.499998	-0.001125
50	1711.500003	0.001753	1778.499996	-0.002249
85	1711.499996	-0.002337	1778.500001	0.000562

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)
3.8	1712.500001	0.000584	1777.499999	-0.000563
2.5	1712.500004	0.002336	1777.500004	0.002250
4.4	1712.499997	-0.001752	1777.500002	0.001125

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1712.499997	-0.001752	1777.499999	-0.000563
-30	1712.500003	0.001752	1777.500001	0.000563
-20	1712.500002	0.001168	1777.499996	-0.002250
-10	1712.499997	-0.001752	1777.499997	-0.001688
0	1712.499999	-0.000584	1777.499997	-0.001688
10	1712.499997	-0.001752	1777.500001	0.000563
20	1712.500002	0.001168	1777.499996	-0.002250
30	1712.499995	-0.002920	1777.499998	-0.001125
40	1712.500003	0.001752	1777.500003	0.001688
50	1712.500005	0.002920	1777.499999	-0.000563
50	1712.499997	-0.001752	1777.500001	0.000563
50	1712.499998	-0.001168	1777.500005	0.002813
50	1712.499995	-0.002920	1777.500001	0.000563
85	1712.500001	0.000584	1777.500002	0.001125

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)
3.8	1714.999997	-0.001749	1774.999995	-0.002817
2.5	1715.000001	0.000583	1775.000002	0.001127
4.4	1714.999998	-0.001166	1775.000003	0.001690

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1714.999999	-0.000583	1774.999996	-0.002254
-30	1715.000001	0.000583	1775.000001	0.000563
-20	1714.999999	-0.000583	1774.999995	-0.002817
-10	1714.999996	-0.002332	1775.000005	0.002817
0	1715.000001	0.000583	1775.000003	0.001690
10	1714.999998	-0.001166	1775.000003	0.001690
20	1714.999998	-0.001166	1775.000002	0.001127
30	1715.000001	0.000583	1775.000001	0.000563
40	1714.999998	-0.001166	1775.000004	0.002254
50	1715.000001	0.000583	1775.000004	0.002254
50	1715.000003	0.001749	1775.000004	0.002254
50	1714.999997	-0.001749	1775.000003	0.001690
50	1714.999999	-0.000583	1775.000005	0.002817
85	1715.000002	0.001166	1775.000004	0.002254

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)
3.8	1717.500003	0.001747	1772.499998	-0.001128
2.5	1717.499995	-0.002911	1772.500002	0.001128
4.4	1717.500003	0.001747	1772.500001	0.000564

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1717.500005	0.002911	1772.500005	0.002821
-30	1717.500003	0.001747	1772.500004	0.002257
-20	1717.499997	-0.001747	1772.500003	0.001693
-10	1717.499995	-0.002911	1772.499996	-0.002257
0	1717.500002	0.001164	1772.500001	0.000564
10	1717.500001	0.000582	1772.500001	0.000564
20	1717.499999	-0.000582	1772.499995	-0.002821
30	1717.500002	0.001164	1772.499996	-0.002257
40	1717.500001	0.000582	1772.500003	0.001693
50	1717.500001	0.000582	1772.500003	0.001693
50	1717.499995	-0.002911	1772.499996	-0.002257
50	1717.500001	0.000582	1772.500002	0.001128
50	1717.499999	-0.000582	1772.499999	-0.000564
85	1717.499999	-0.000582	1772.500005	0.002821

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)
3.8	1719.999999	-0.000581	1770.000001	0.000565
2.5	1720.000004	0.002326	1770.000003	0.001695
4.4	1720.000003	0.001744	1770.000004	0.002260

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	1719.999999	-0.000581	1769.999998	-0.001130
-30	1719.999998	-0.001163	1769.999997	-0.001695
-20	1719.999998	-0.001163	1770.000002	0.001130
-10	1719.999995	-0.002907	1770.000004	0.002260
0	1720.000005	0.002907	1770.000002	0.001130
10	1720.000002	0.001163	1770.000001	0.000565
20	1719.999997	-0.001744	1769.999999	-0.000565
30	1720.000001	0.000581	1770.000003	0.001695
40	1720.000002	0.001163	1770.000003	0.001695
50	1719.999995	-0.002907	1769.999999	-0.000565
50	1719.999995	-0.002907	1769.999995	-0.002825
50	1719.999997	-0.001744	1770.000005	0.002825
50	1719.999999	-0.000581	1770.000003	0.001695
85	1720.000004	0.002326	1770.000005	0.002825

7.8.12 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)
3.8	700.499995	-0.007138	713.499995	-0.007008
2.5	700.499995	-0.007138	713.500001	0.001402
4.4	700.500003	0.004283	713.499996	-0.005606

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	700.500001	0.001428	713.500003	0.004205
-30	700.500005	0.007138	713.500002	0.002803
-20	700.500002	0.002855	713.499995	-0.007008
-10	700.500003	0.004283	713.499998	-0.002803
0	700.499996	-0.005710	713.499999	-0.001402
10	700.500002	0.002855	713.500001	0.001402
20	700.500001	0.001428	713.499996	-0.005606
30	700.500002	0.002855	713.500001	0.001402
40	700.499999	-0.001428	713.500001	0.001402
50	700.499997	-0.004283	713.499997	-0.004205
60	700.500002	0.002855	713.499995	-0.007008
70	700.500003	0.004283	713.499997	-0.004205
80	700.499996	-0.005710	713.499996	-0.005606
85	700.500001	0.001428	713.499995	-0.007008

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)
3.8	703.000003	0.004267	711.000001	0.001406
2.5	702.999998	-0.002845	710.999996	-0.005626
4.4	703.000001	0.001422	710.999999	-0.001406

Note: The applicant defined the normal working voltage is from 2.5 to 4.4 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	703.000005	0.007112	711.000004	0.005626
-30	703.000001	0.001422	710.999999	-0.001406
-20	702.999999	-0.001422	710.999997	-0.004219
-10	702.999997	-0.004267	711.000001	0.001406
0	702.999996	-0.005690	711.000001	0.001406
10	703.000003	0.004267	711.000001	0.001406
20	703.000003	0.004267	711.000002	0.002813
30	703.000004	0.005690	710.999999	-0.001406
40	703.000004	0.005690	710.999995	-0.007032
50	702.999997	-0.004267	711.000004	0.005626
50	703.000005	0.007112	711.000001	0.001406
50	703.000001	0.001422	711.000004	0.005626
50	703.000001	0.001422	711.000005	0.007032
85	702.999997	-0.004267	710.999999	-0.001406

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.

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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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