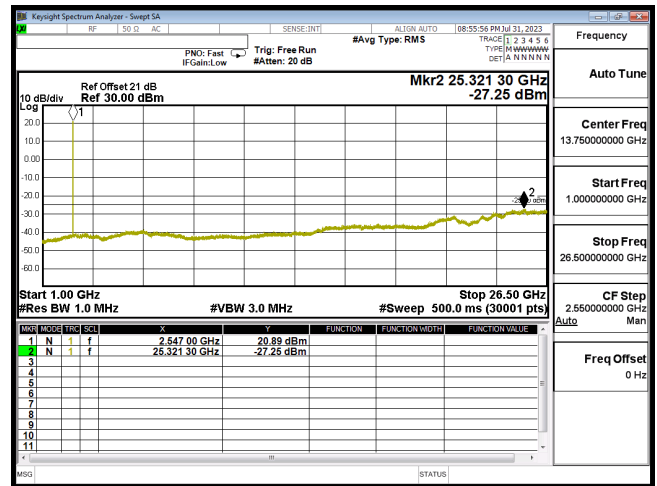
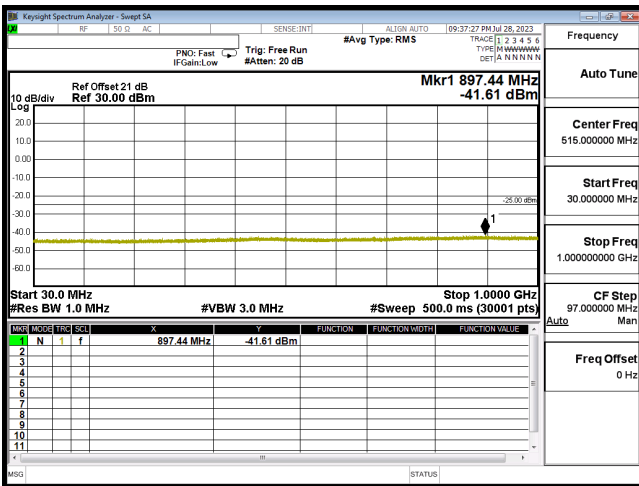
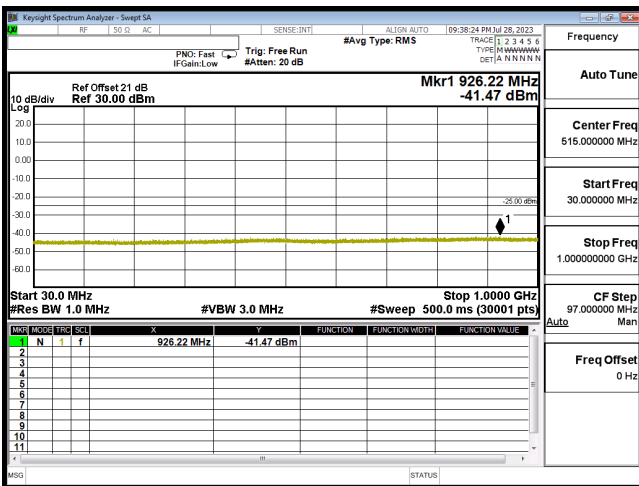


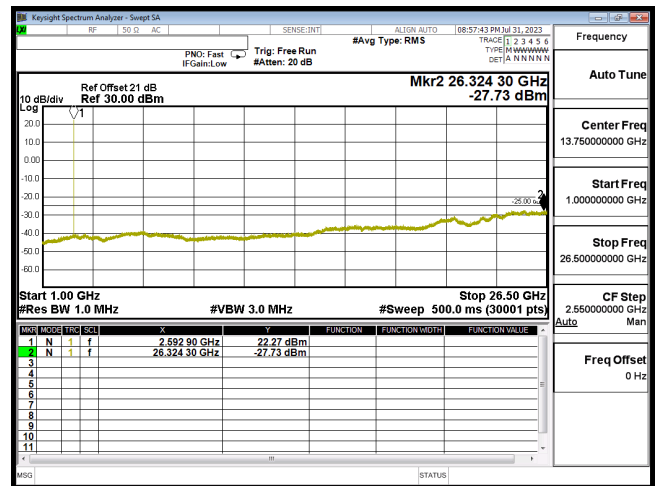
### LTE Band 41



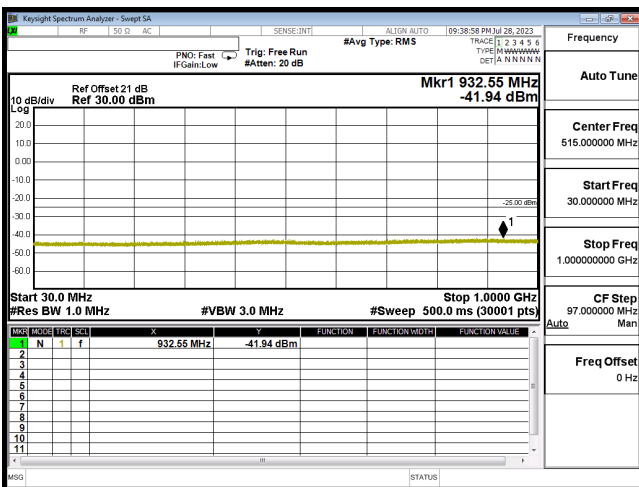
### CSE B41 5M CH40165 QPSK(1,12) 30M-1G



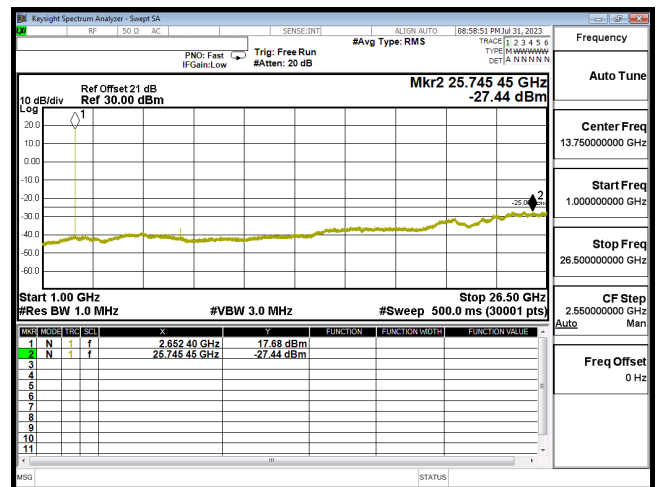
### CSE B41 5M CH40165 QPSK(1,12) 1G-26.5G



### CSE B41 5M CH40620 QPSK(1,12) 30M-1G



### CSE B41 5M CH40620 QPSK(1,12) 1G-26.5G

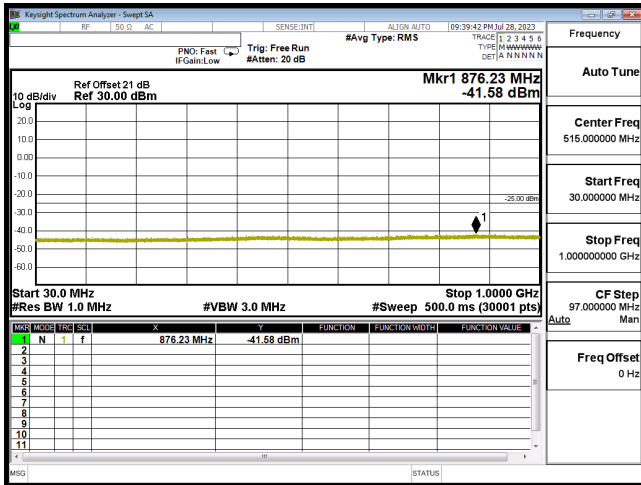


### CSE B41 5M CH41215 QPSK(1,12) 30M-1G

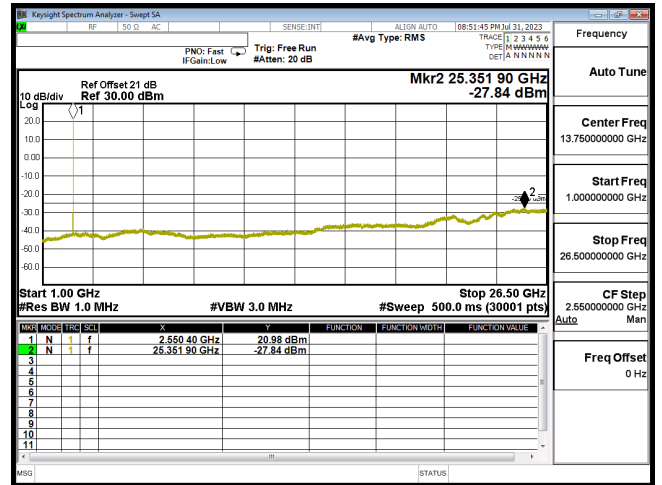


### CSE B41 5M CH41215 QPSK(1,12) 1G-26.5G

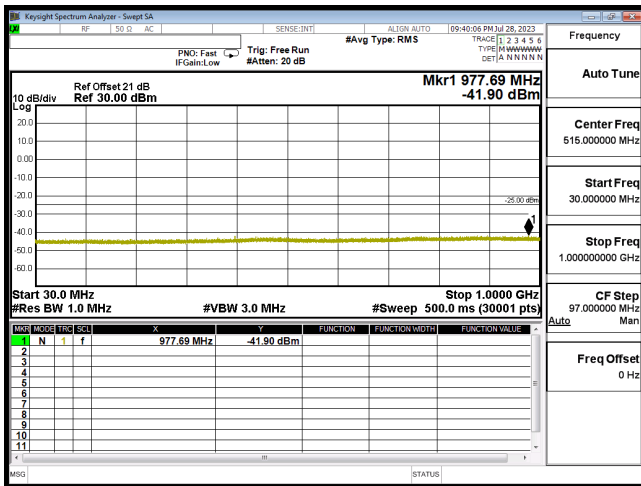




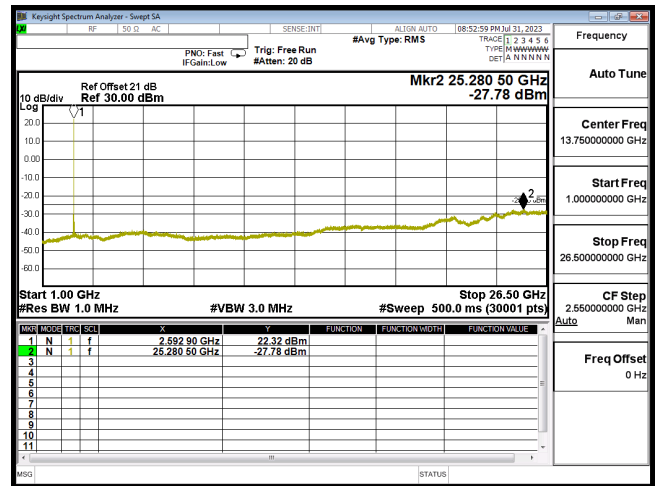
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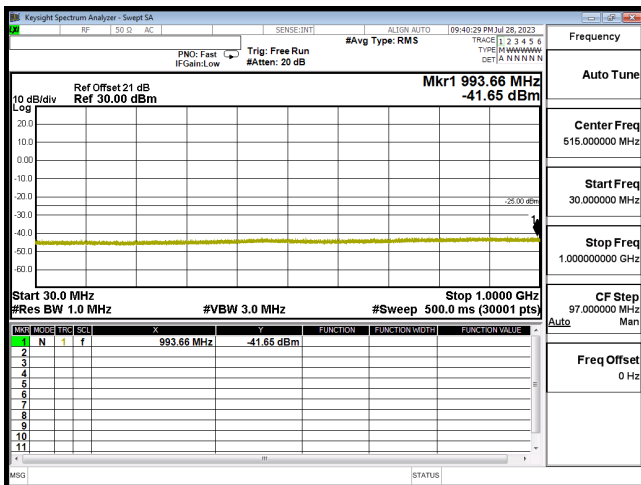
CSE B41 10M CH40190 QPSK(1,25) 1G-26.5G



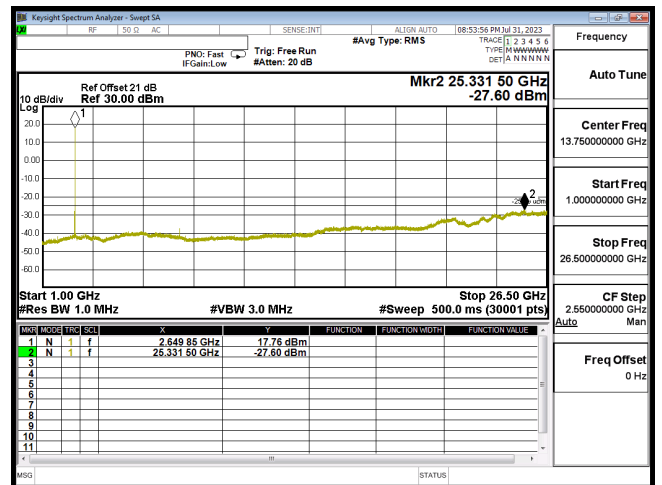
CSE B41 10M CH40620 QPSK(1,25) 30M-1G



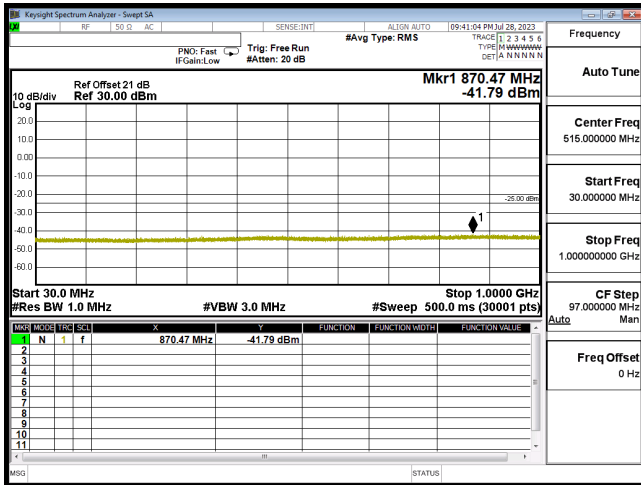
CSE B41 10M CH40620 QPSK(1,25) 1G-26.5G



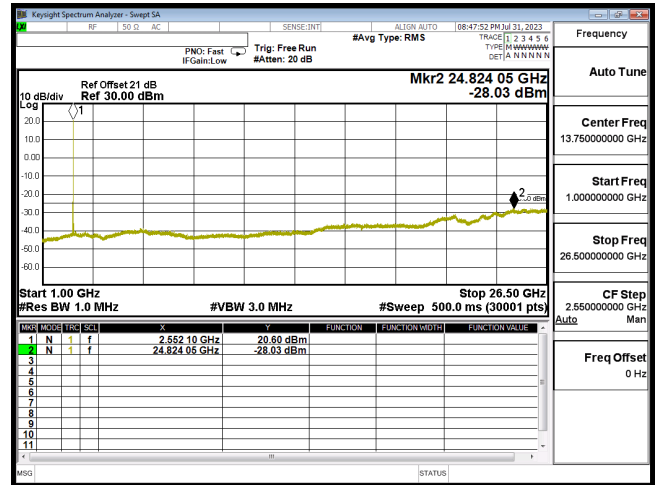
CSE B41 10M CH41190 QPSK(1,25) 30M-1G



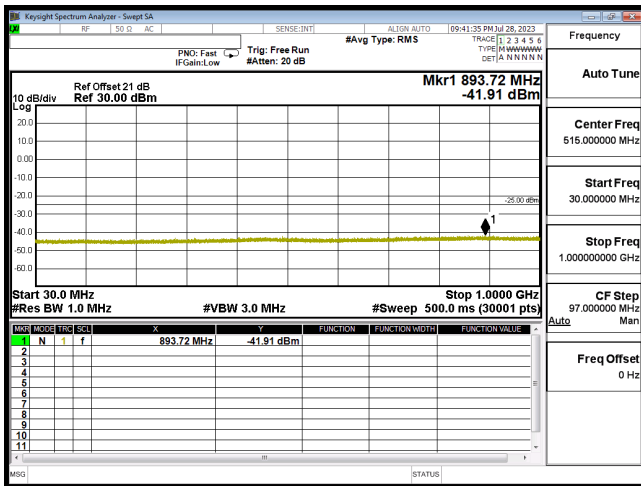
CSE B41 10M CH41190 QPSK(1,25) 1G-26.5G



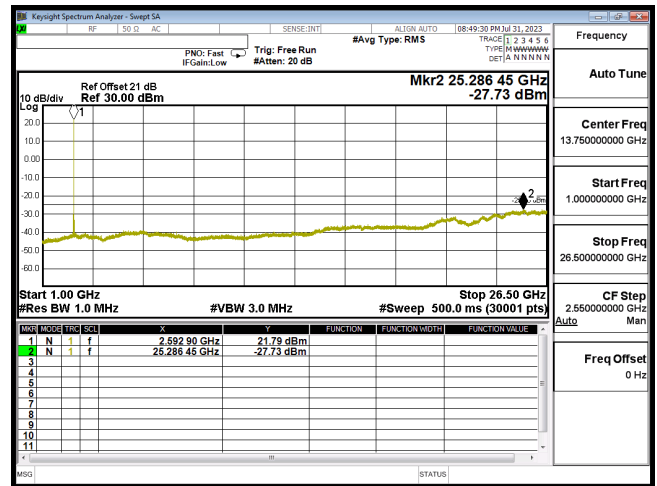
CSE B41 15M CH40215 QPSK(1,37) 30M-1G



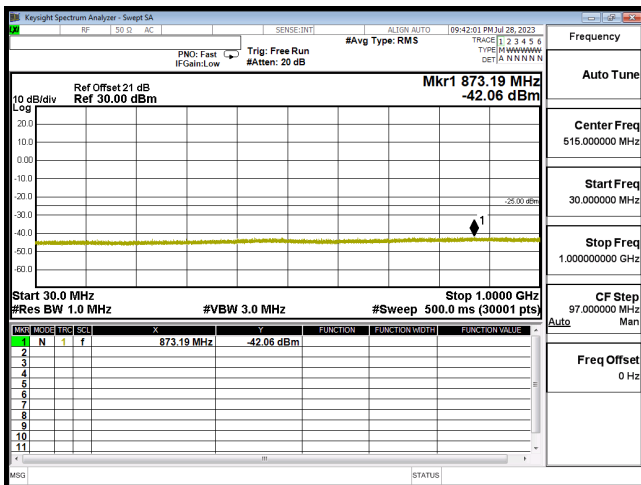
CSE B41 15M CH40215 QPSK(1,37) 1G-26.5G



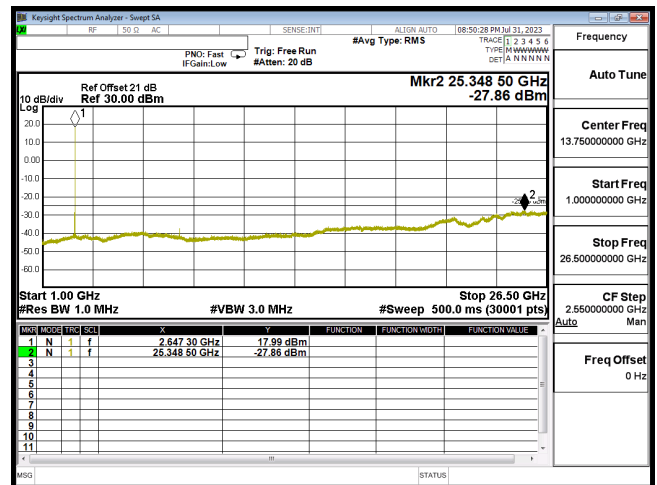
CSE B41 15M CH40620 QPSK(1,37) 30M-1G



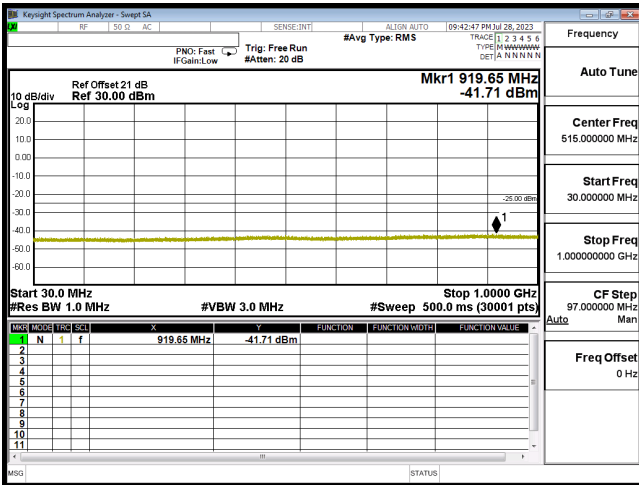
CSE B41 15M CH40620 QPSK(1,37) 1G-26.5G



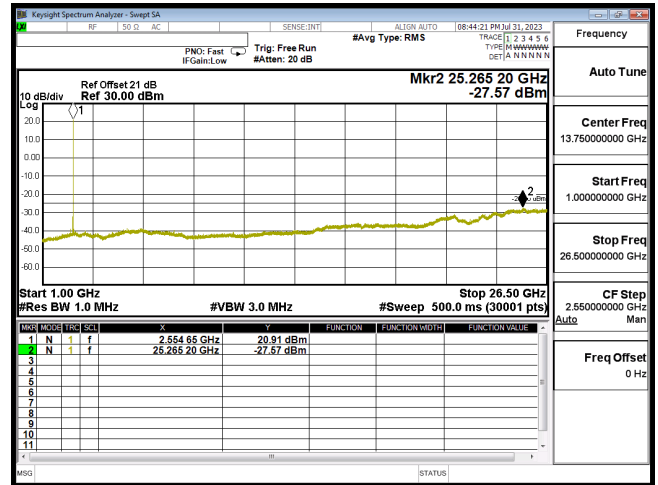
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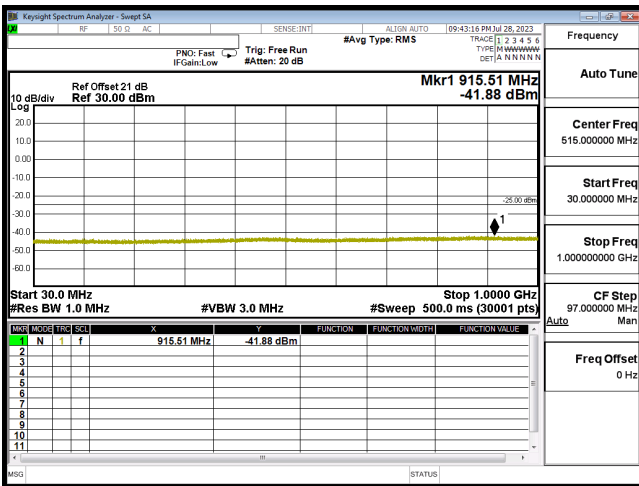
CSE B41 15M CH41165 QPSK(1,37) 1G-26.5G



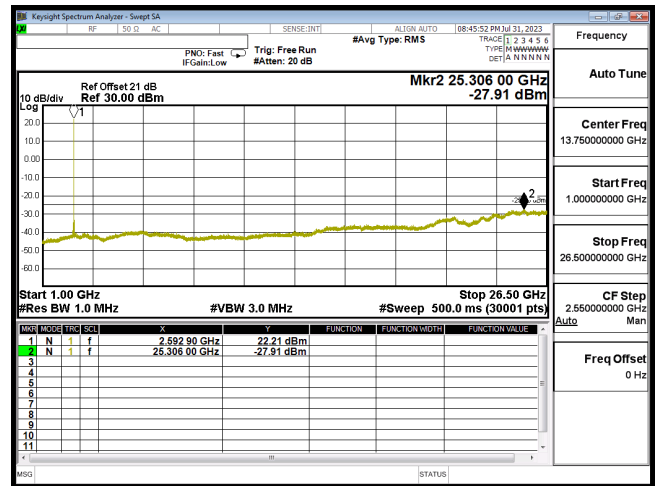
CSE B41 20M CH40240 QPSK(1,50) 30M-1G



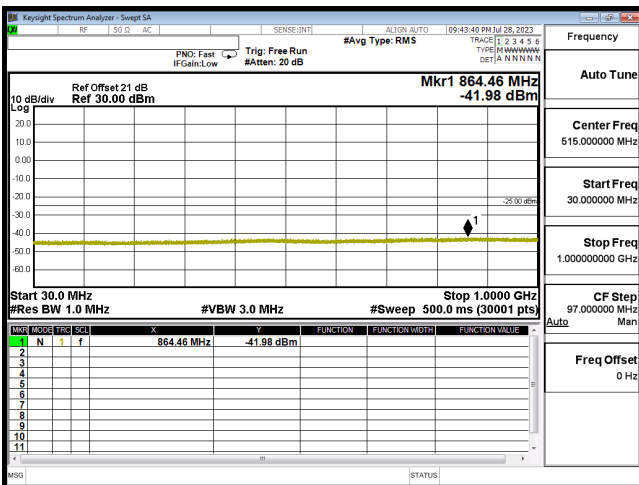
CSE B41 20M CH40240 QPSK(1,50) 1G-26.5G



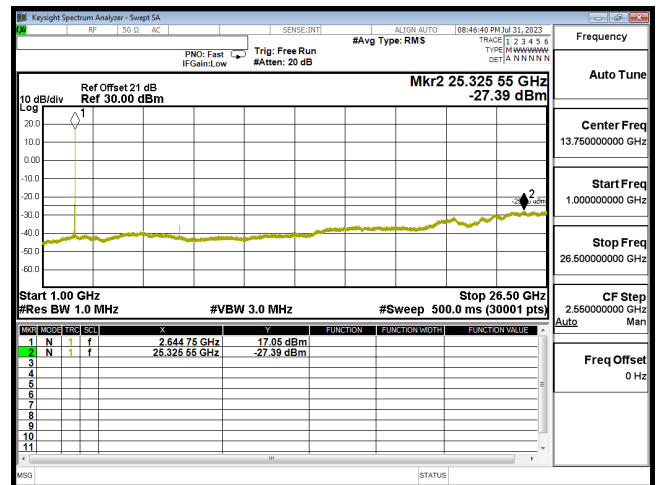
CSE B41 20M CH40620 QPSK(1,50) 30M-1G



CSE B41 20M CH40620 QPSK(1,50) 1G-26.5G

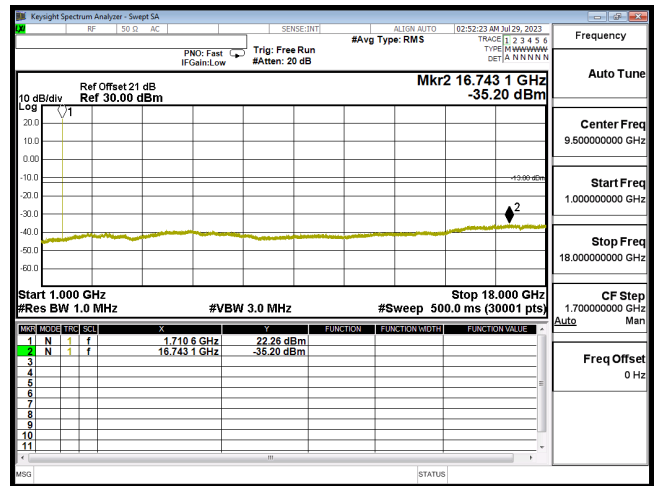
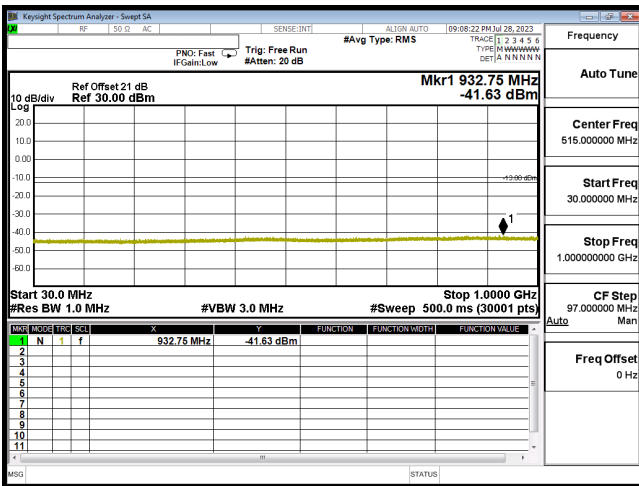


CSE B41 20M CH41140 QPSK(1,50) 30M-1G



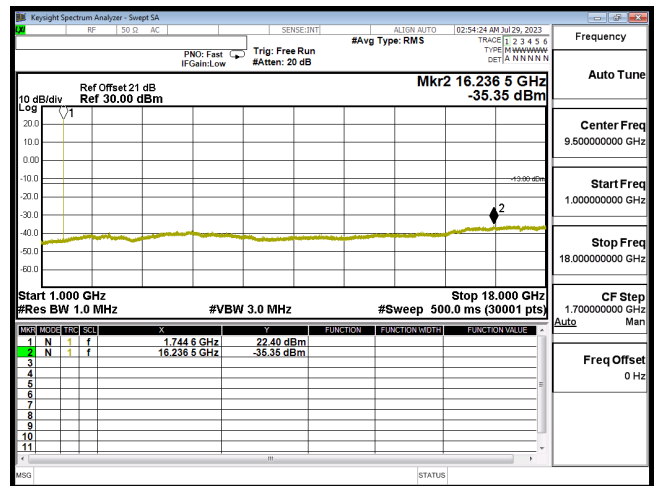
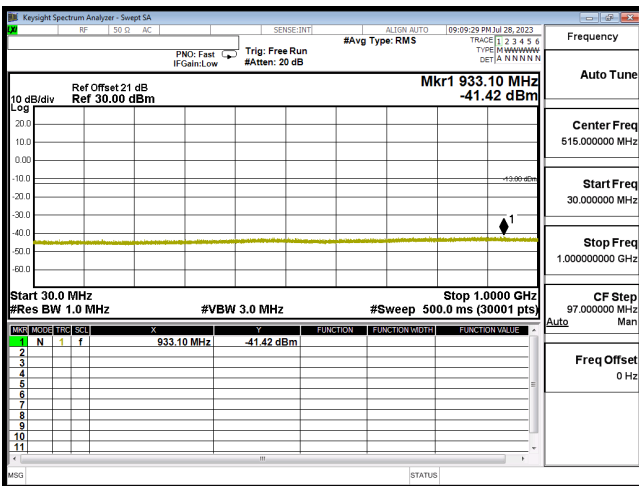
CSE B41 20M CH41140 QPSK(1,50) 1G-26.5G

LTE Band 66



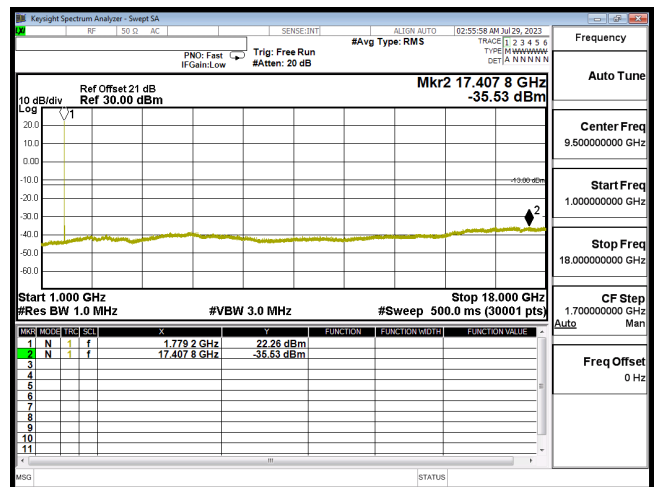
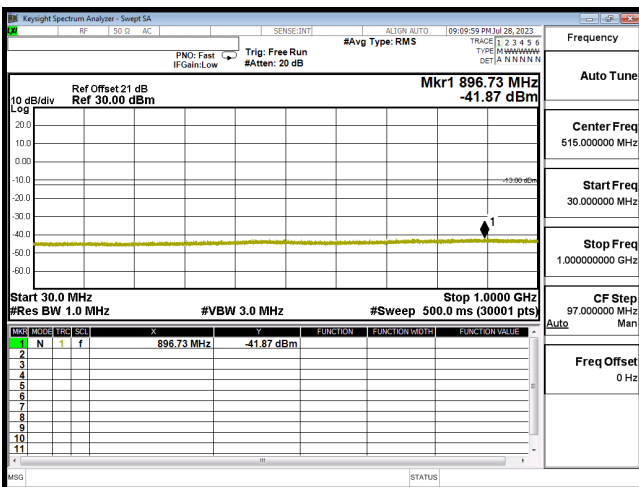
CSE B66 1.4M CH131979 QPSK(1,2) 30M-1G

CSE B66 1.4M CH131979 QPSK(1,2) 1G-18G



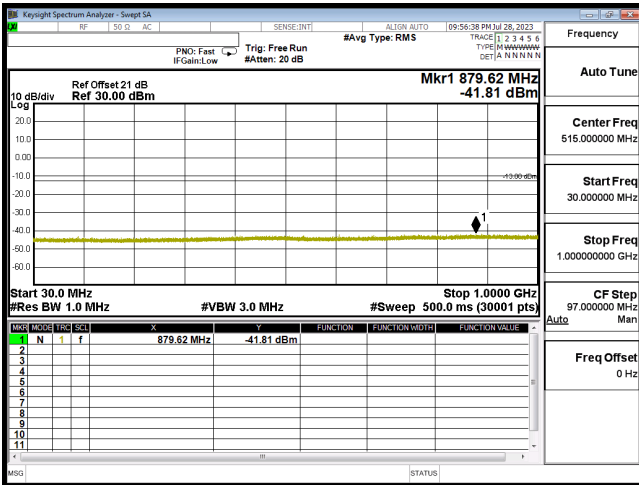
CSE B66 1.4M CH132322 QPSK(1,2) 30M-1G

CSE B66 1.4M CH132322 QPSK(1,2) 1G-18G

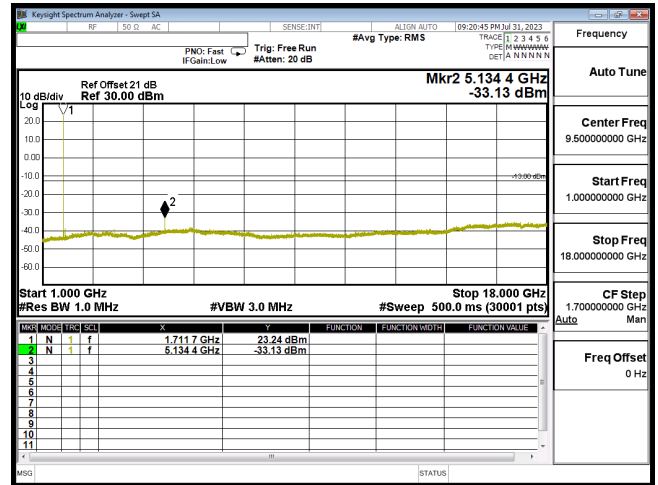


CSE B66 1.4M CH132665 QPSK(1,2) 30M-1G

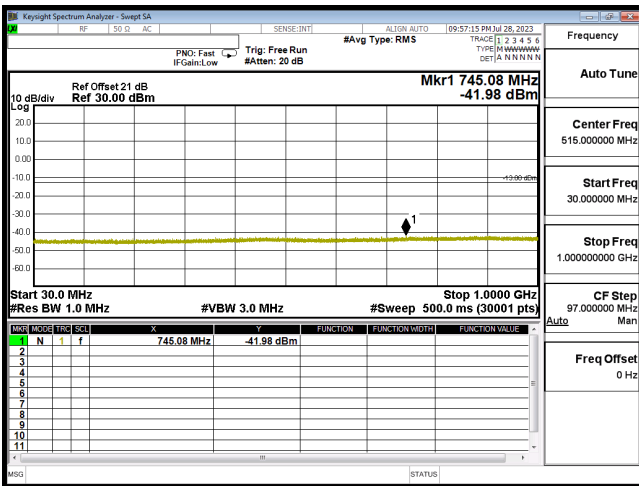
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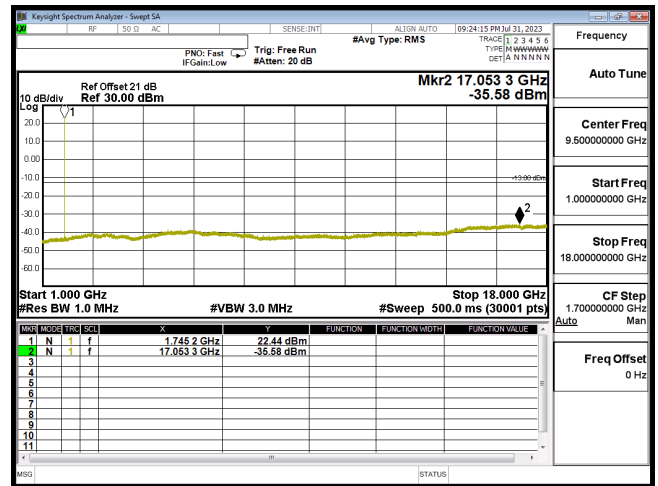
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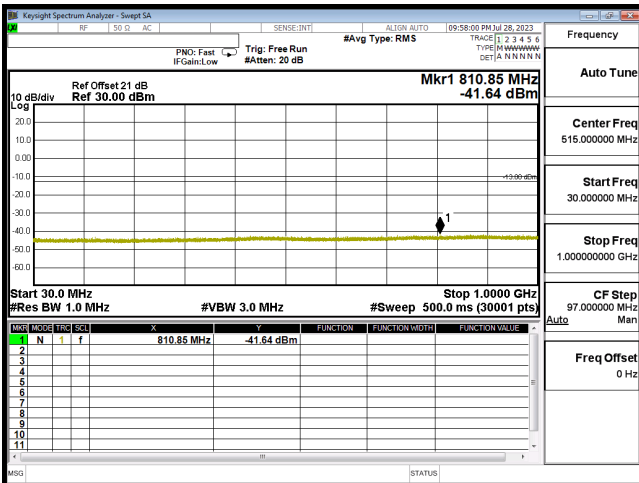
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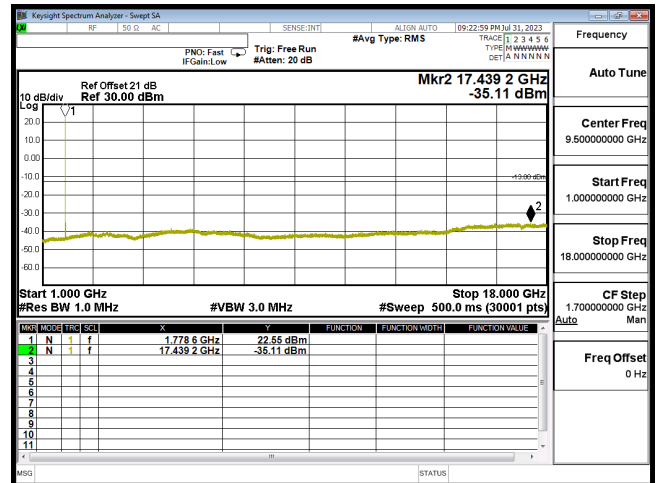
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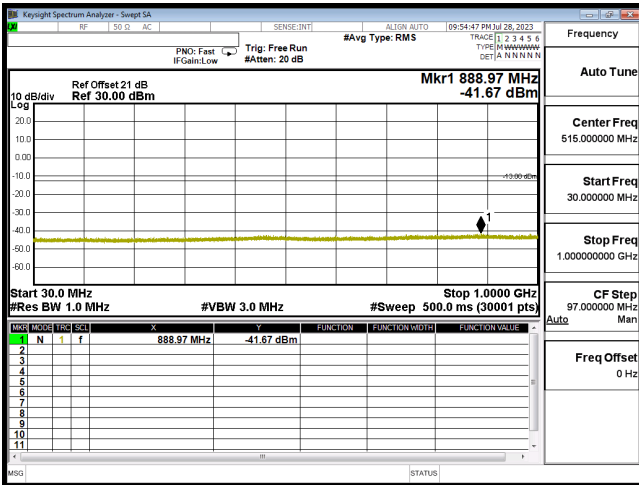
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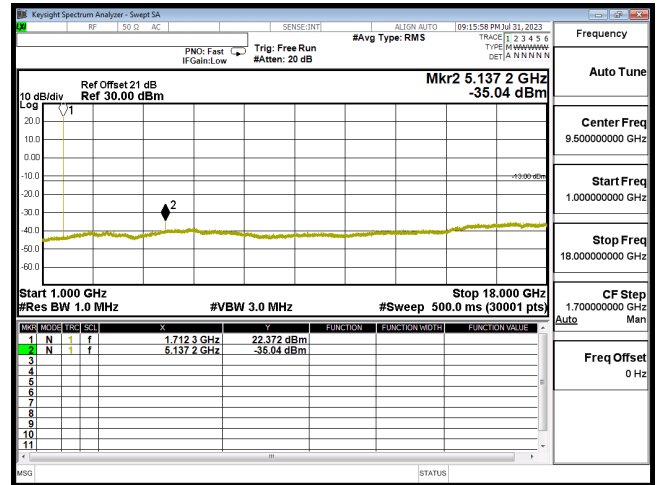
CSE B66 3M CH132657 QPSK(1,7) 30M-1G



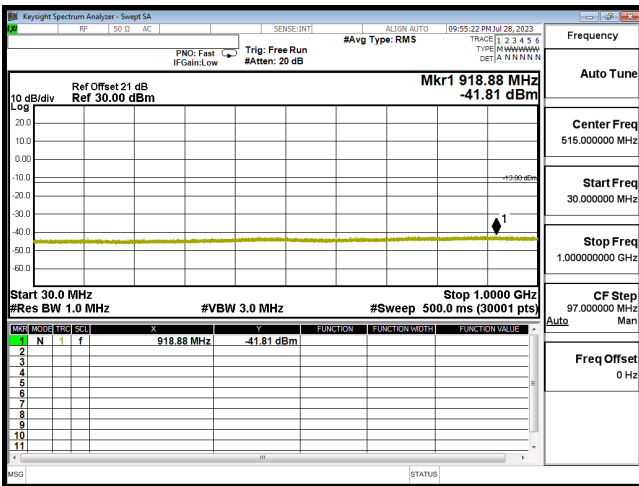
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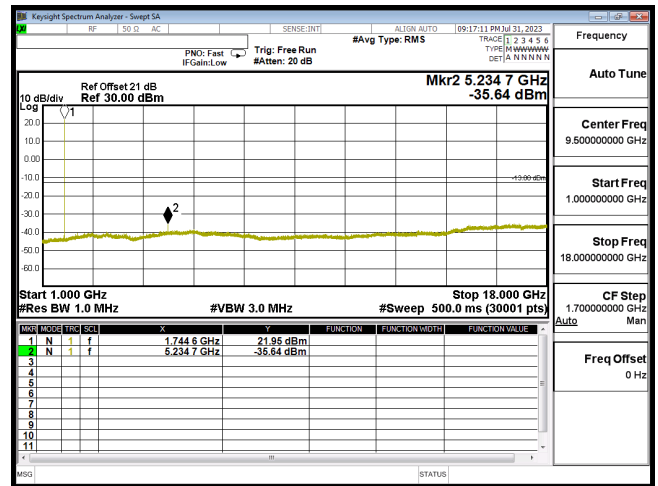
CSE B66 5M CH131997 QPSK(1,12) 30M-1G



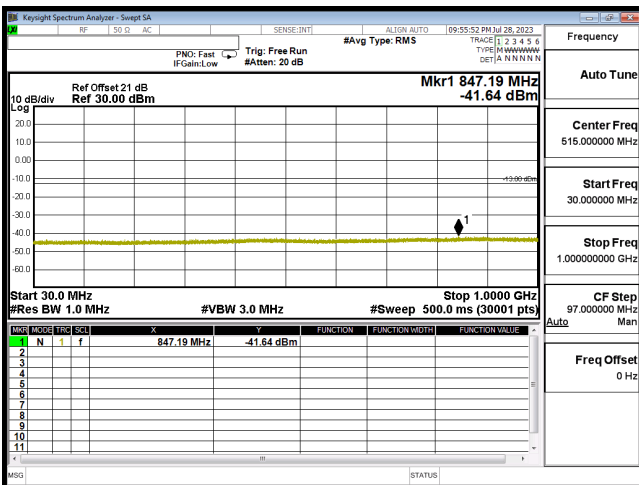
CSE B66 5M CH131997 QPSK(1,12) 1G-18G



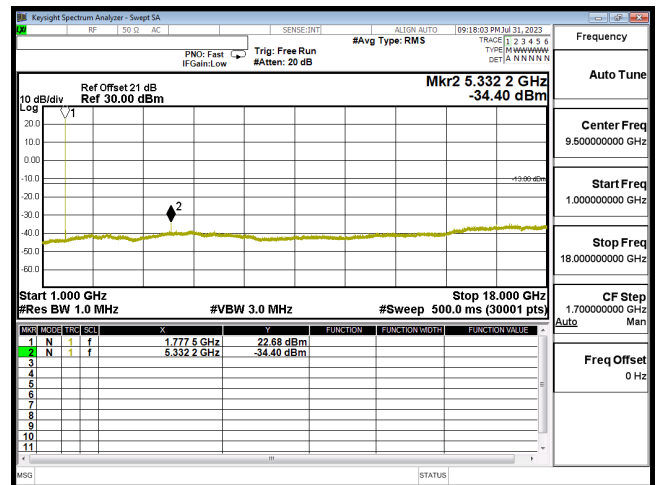
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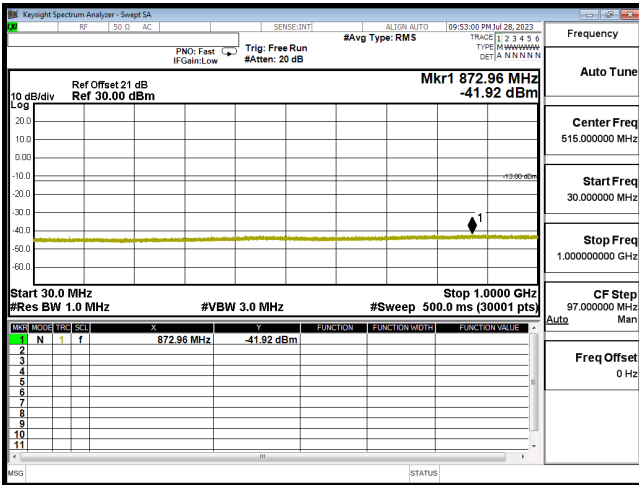
CSE B66 5M CH132322 QPSK(1,12) 1G-18G



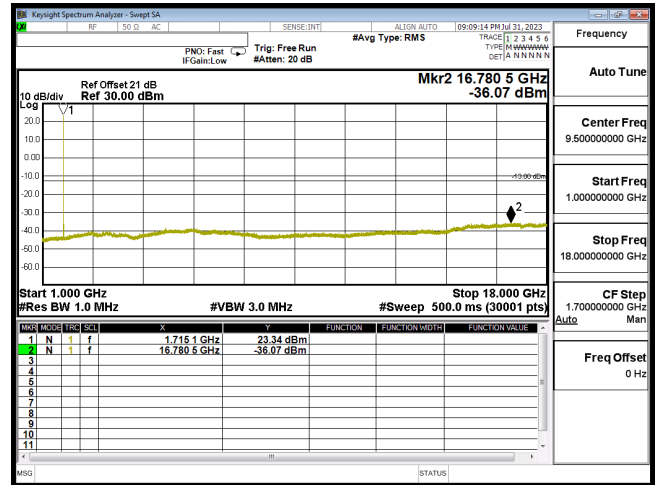
CSE B66 5M CH132647 QPSK(1,12) 30M-1G



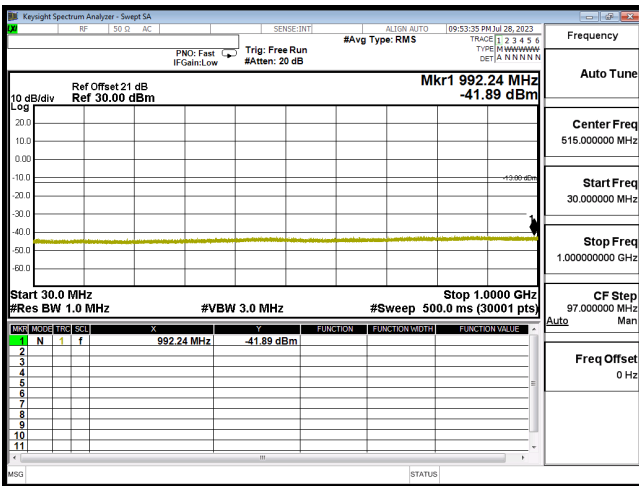
CSE B66 5M CH132647 QPSK(1,12) 1G-18G



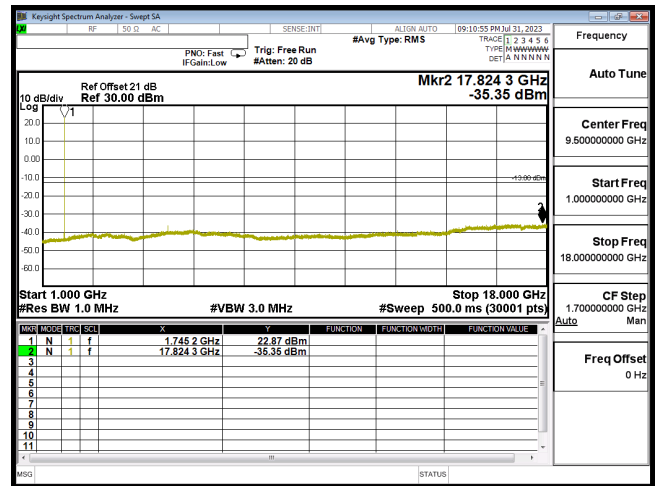
CSE B66 10M CH132022 QPSK(1,25) 30M-1G



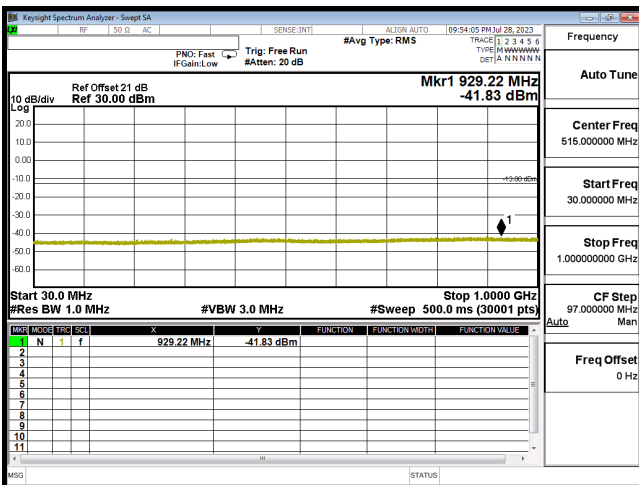
CSE B66 10M CH132022 QPSK(1,25) 1G-18G



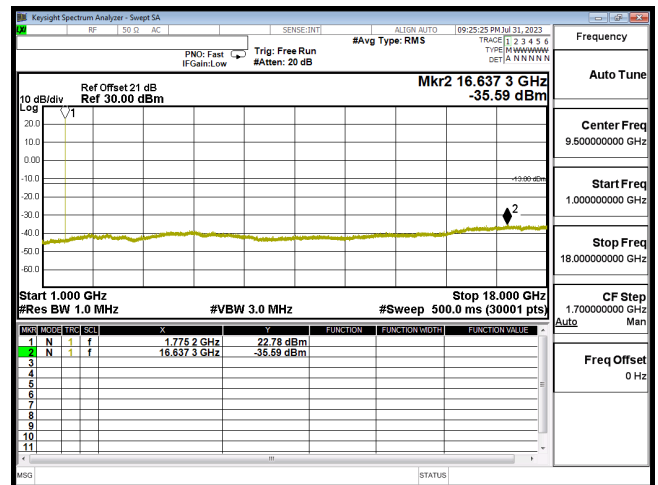
CSE B66 10M CH132322 QPSK(1,25) 30M-1G



CSE B66 10M CH132322 QPSK(1,25) 1G-18G

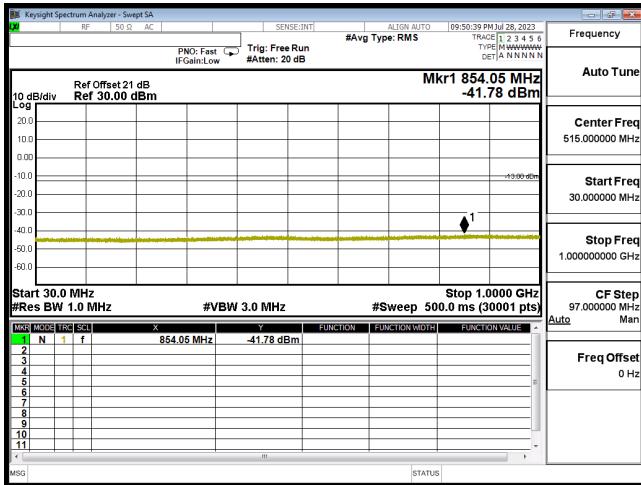


CSE B66 10M CH132622 QPSK(1,25) 30M-1G

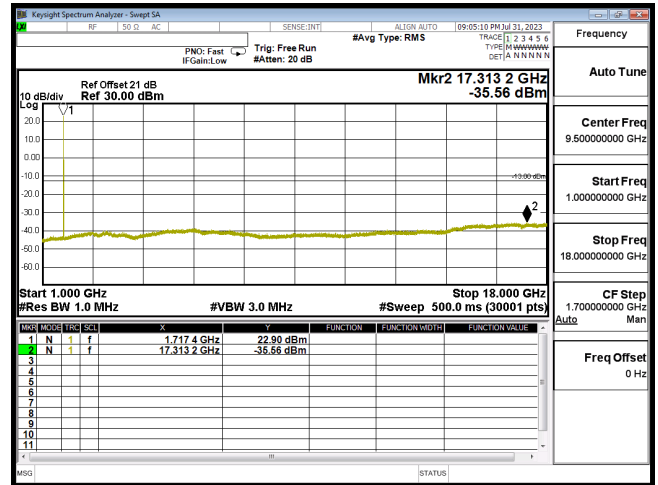


CSE B66 10M CH132622 QPSK(1,25) 1G-18G

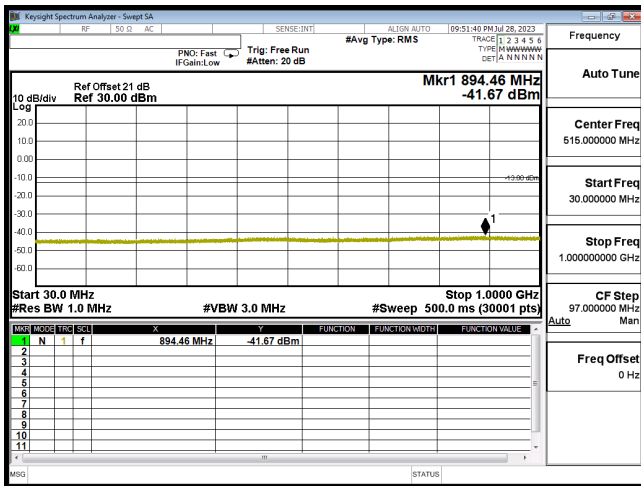




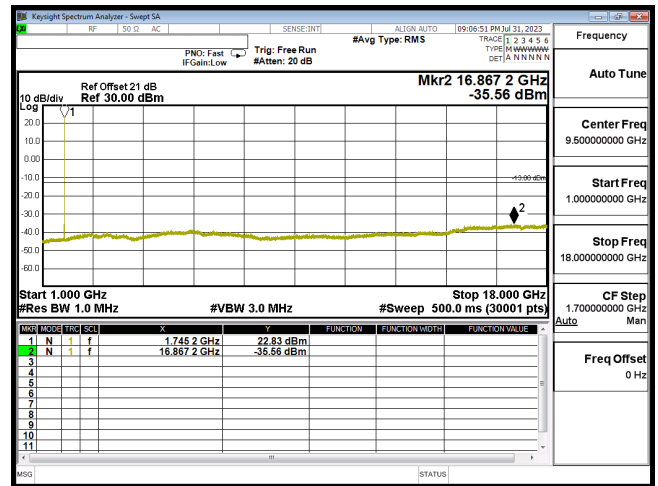
CSE B66 15M CH132047 QPSK(1,37) 30M-1G



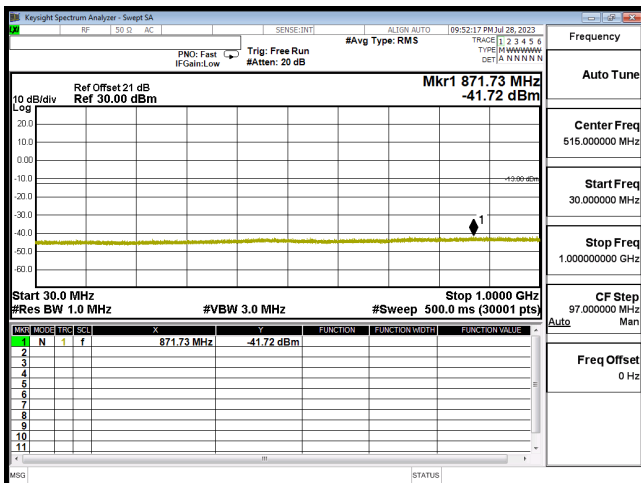
CSE B66 15M CH132047 QPSK(1,37) 1G-18G



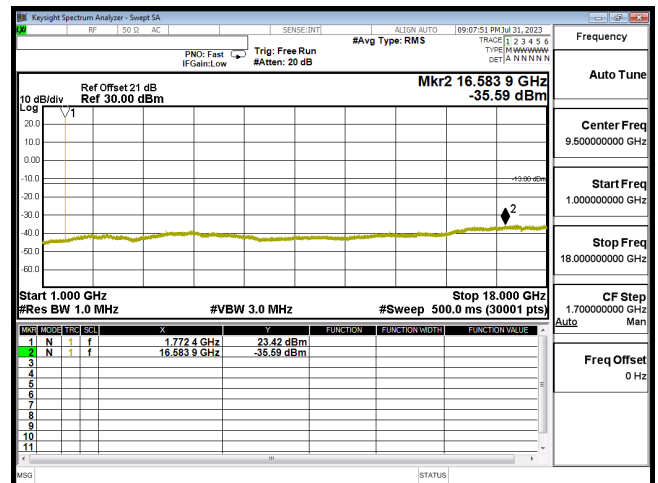
CSE B66 15M CH132322 QPSK(1,37) 30M-1G



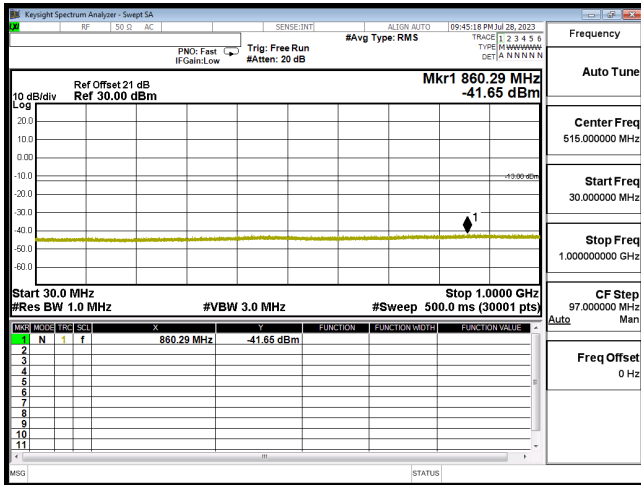
CSE B66 15M CH132322 QPSK(1,37) 1G-18G



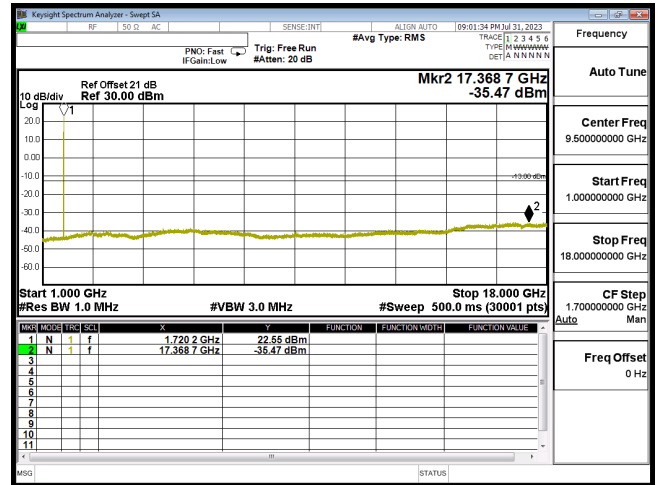
CSE B66 15M CH132597 QPSK(1,37) 30M-1G



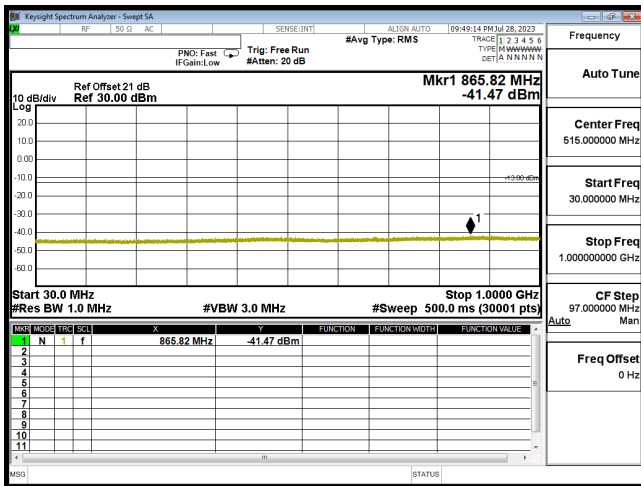
CSE B66 15M CH132597 QPSK(1,37) 1G-18G



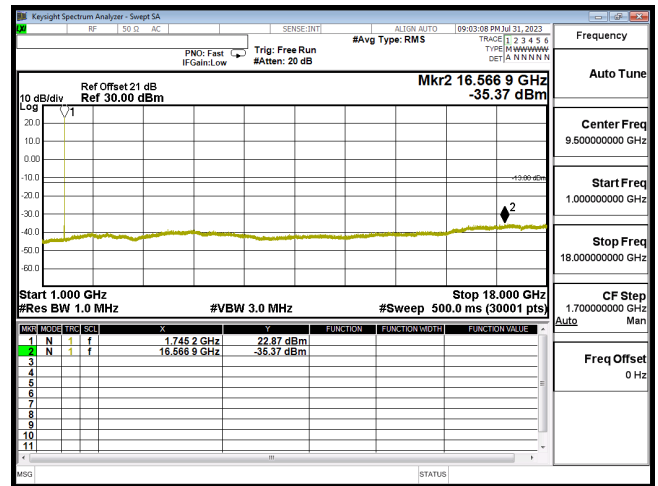
CSE B66 20M CH132072 QPSK(1,50) 30M-1G



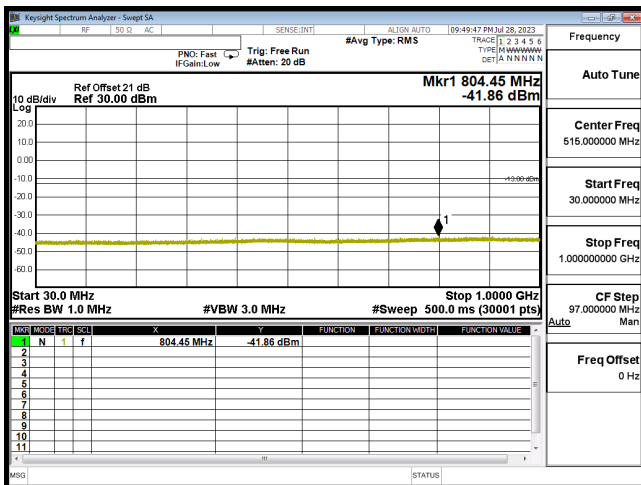
CSE B66 20M CH132072 QPSK(1,50) 1G-18G



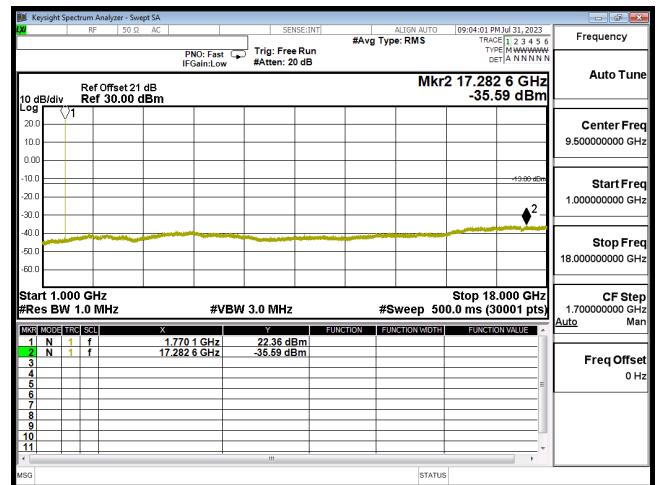
CSE B66 20M CH132322 QPSK(1,50) 30M-1G



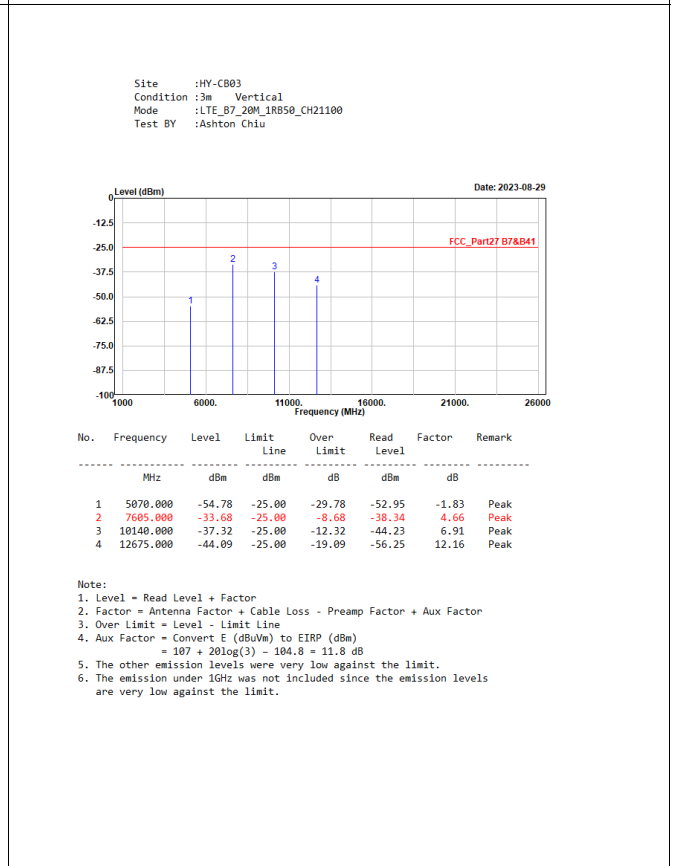
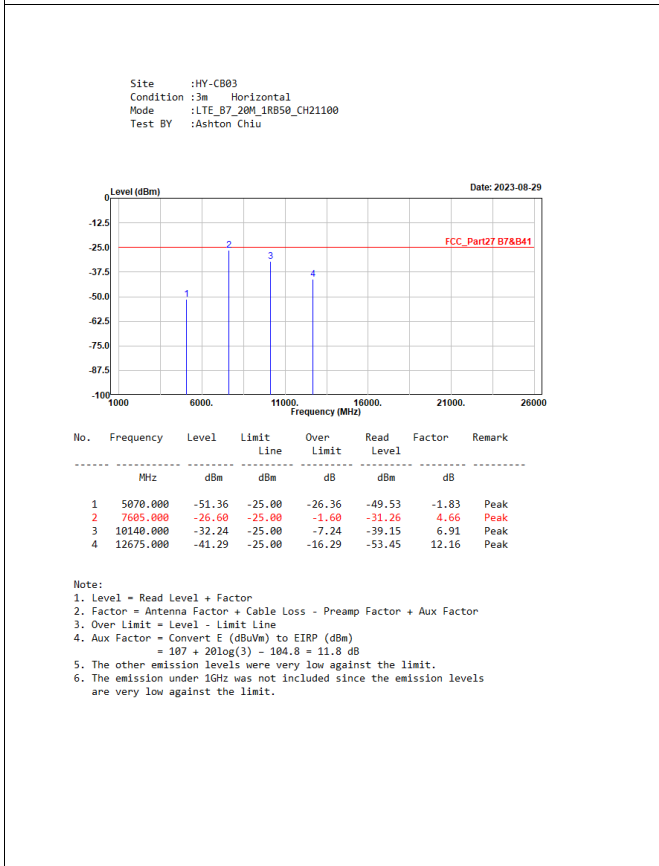
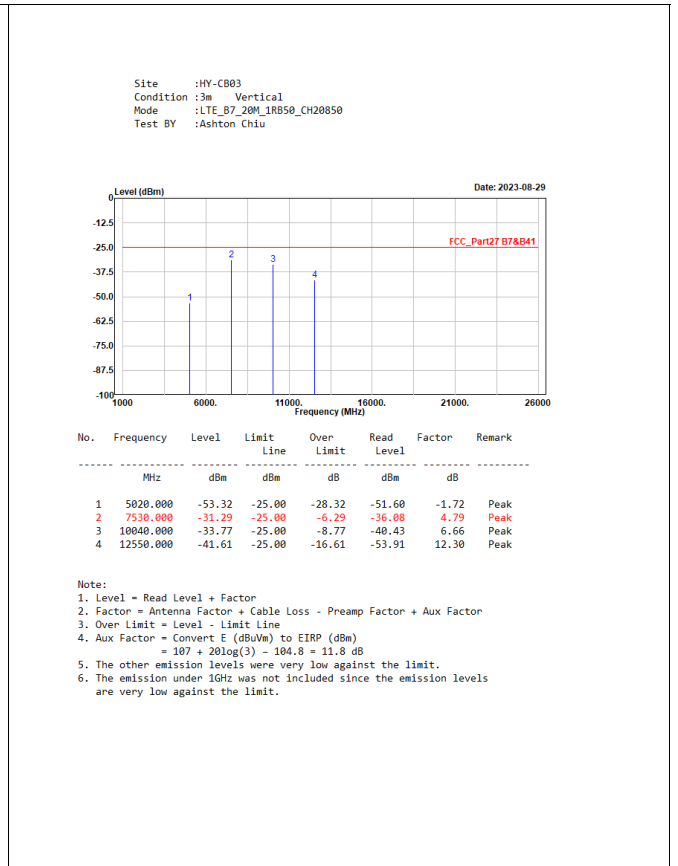
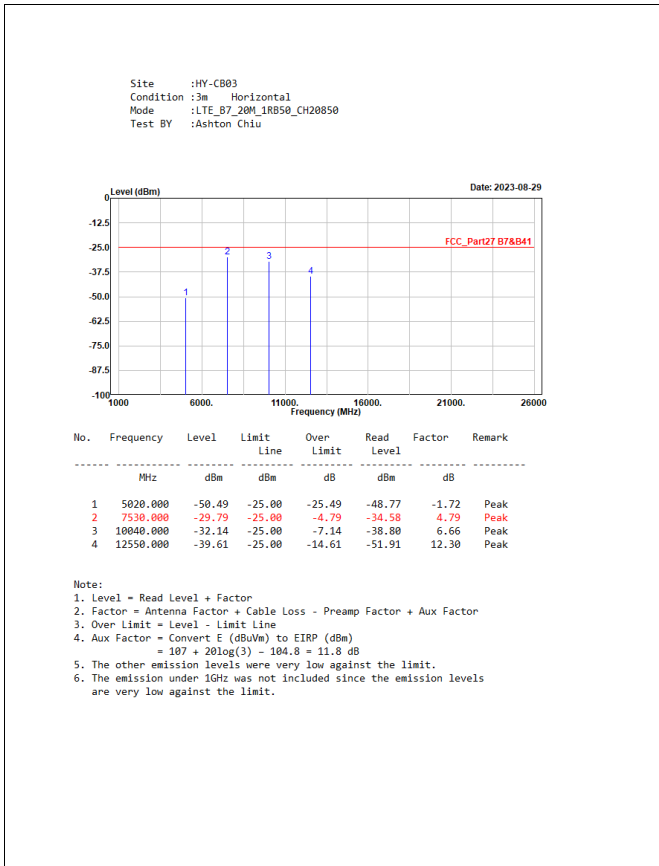
CSE B66 20M CH132322 QPSK(1,50) 1G-18G



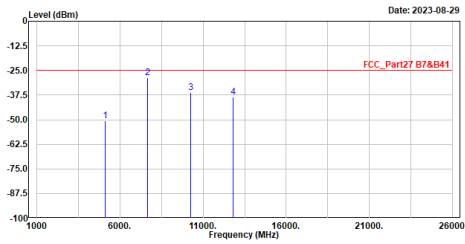
CSE B66 20M CH132572 QPSK(1,50) 30M-1G



CSE B66 20M CH132572 QPSK(1,50) 1G-18G



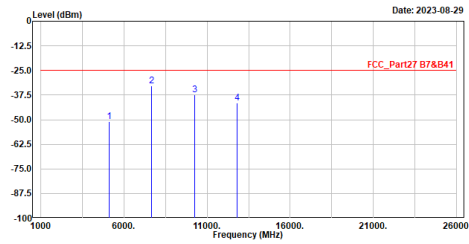
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B7\_20M\_1RB50\_CH21350  
 Test BY :Ashton Chiu



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	5120.000	-50.53	-25.00	-25.53	-48.76	-1.77	Peak
2	7680.000	-28.50	-25.00	-3.50	-32.58	4.40	Peak
3	10240.000	-35.21	-25.00	-11.21	-43.22	7.01	Peak
4	12800.000	-38.41	-25.00	-13.41	-50.77	12.36	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

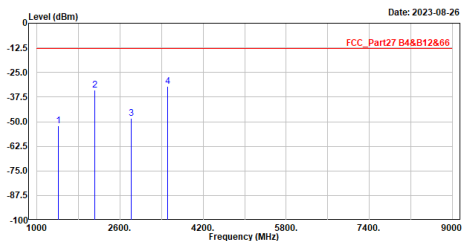
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B7\_20M\_1RB50\_CH21350  
 Test BY :Ashton Chiu



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	5120.000	-51.01	-25.00	-26.01	-49.24	-1.77	Peak
2	7680.000	-32.70	-25.00	-7.70	-37.10	4.40	Peak
3	10240.000	-37.27	-25.00	-12.27	-44.28	7.01	Peak
4	12800.000	-41.45	-25.00	-16.45	-53.81	12.36	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

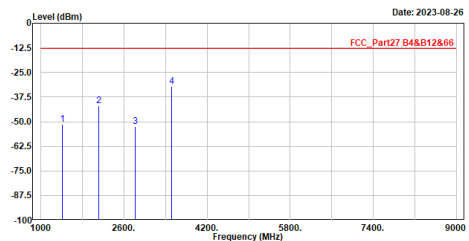
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B12\_10M\_1RB25\_CH23060  
 Test BY :Gavin Wu



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1408.000	-52.15	-13.00	-39.15	-38.82	-13.33	Peak
2	2112.000	-33.85	-13.00	-20.85	-22.14	-11.71	Peak
3	2816.000	-48.46	-13.00	-35.46	-38.38	-10.08	Peak
4	3520.000	-32.16	-13.00	-19.16	-23.68	-8.48	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

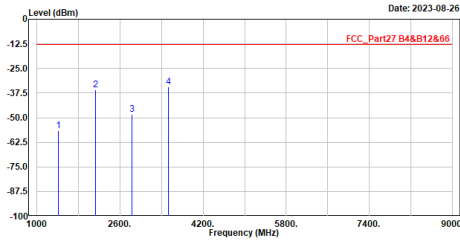
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B12\_10M\_1RB25\_CH23060  
 Test BY :Gavin Wu



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1408.000	-51.28	-13.00	-38.28	-37.95	-13.33	Peak
2	2112.000	-41.97	-13.00	-28.97	-30.26	-11.71	Peak
3	2816.000	-52.38	-13.00	-39.38	-42.30	-10.08	Peak
4	3520.000	-32.24	-13.00	-19.24	-23.76	-8.48	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

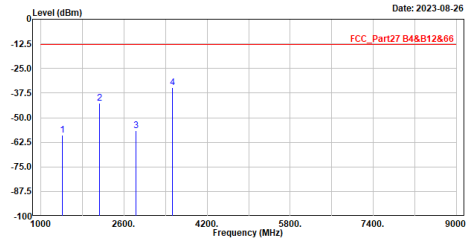
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B12\_10M\_1RB25\_CH23095  
 Test BY :Gavin Wu



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1415.000	-56.75	-13.00	-43.75	-43.41	-13.34	Peak
2	2122.500	-36.00	-13.00	-23.00	-24.38	-11.62	Peak
3	2830.000	-48.46	-13.00	-35.46	-38.35	-10.11	Peak
4	3537.500	-34.23	-13.00	-21.23	-25.92	-8.31	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

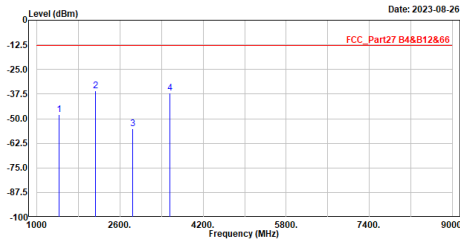
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B12\_10M\_1RB25\_CH23095  
 Test BY :Gavin Wu



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1415.000	-58.87	-13.00	-45.87	-45.53	-13.34	Peak
2	2122.500	-42.49	-13.00	-29.49	-30.87	-11.62	Peak
3	2830.000	-56.73	-13.00	-43.73	-46.62	-10.11	Peak
4	3537.500	-34.73	-13.00	-21.73	-26.42	-8.31	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

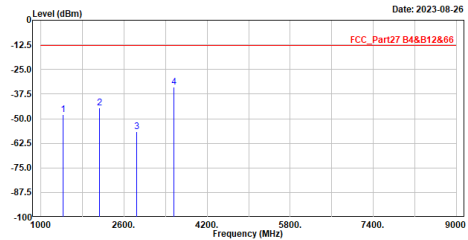
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B12\_10M\_1RB25\_CH23130  
 Test BY :Gavin Wu



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1422.000	-48.06	-13.00	-35.06	-34.74	-13.32	Peak
2	2133.000	-35.04	-13.00	-22.04	-24.39	-11.55	Peak
3	2844.000	-55.04	-13.00	-42.04	-44.85	-10.19	Peak
4	3555.000	-37.00	-13.00	-24.00	-28.85	-8.15	Peak

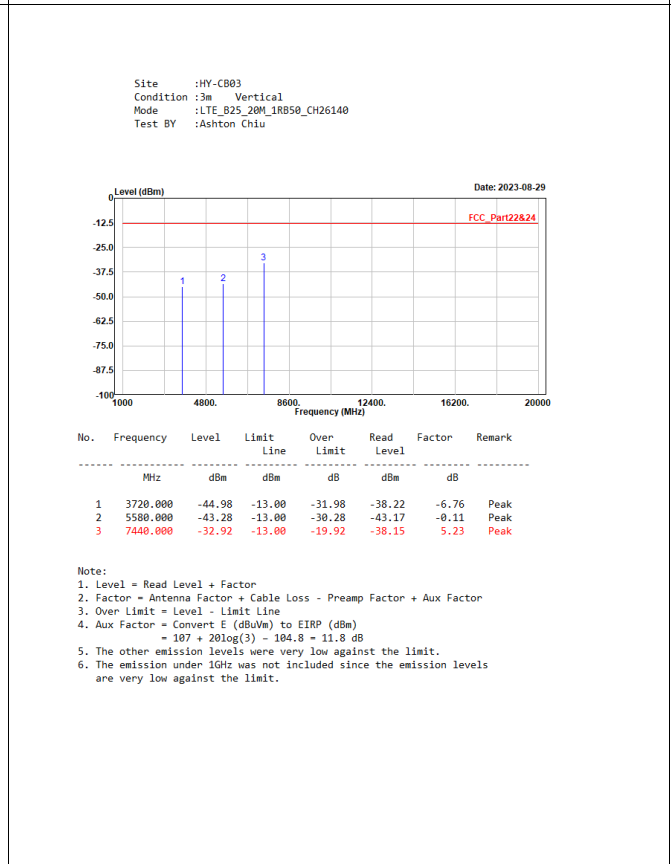
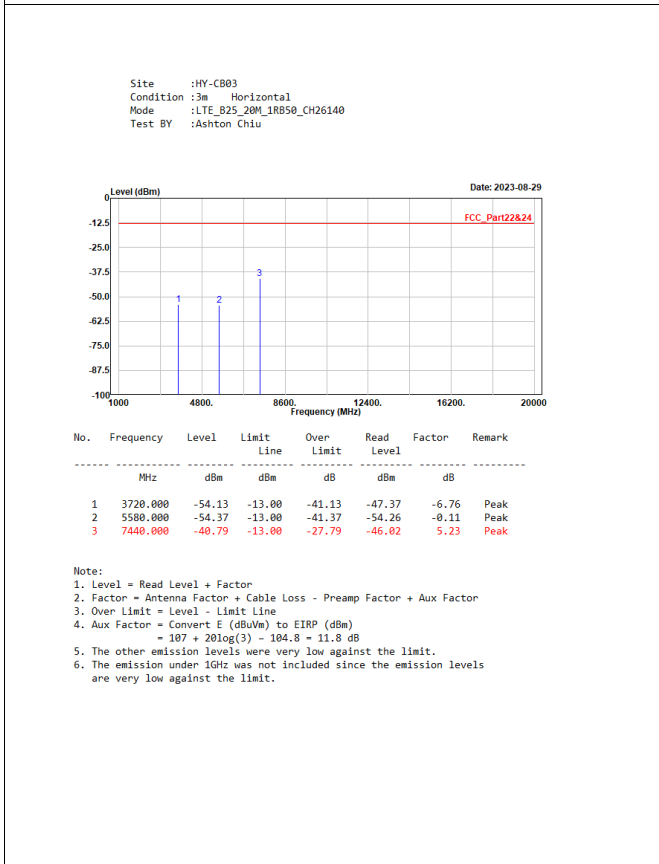
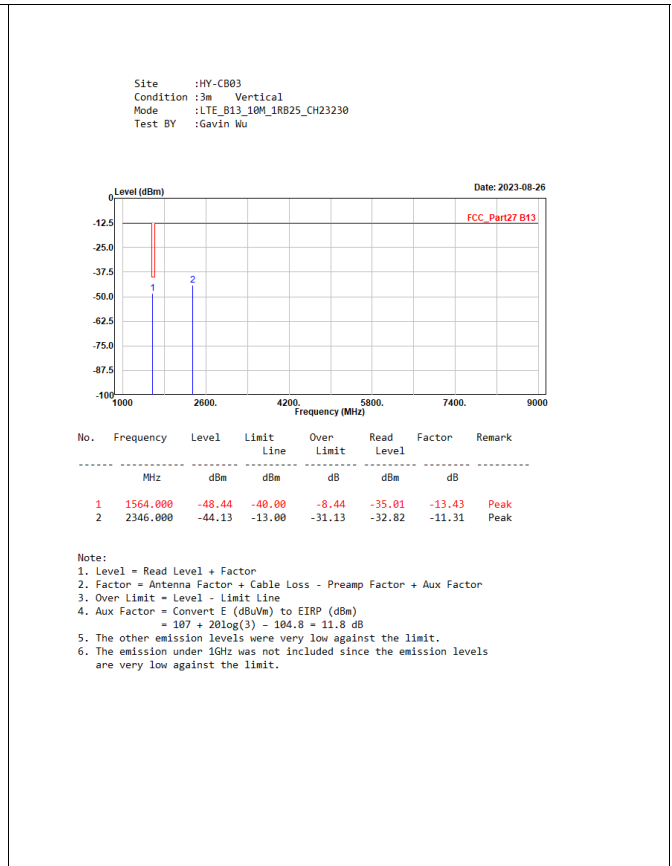
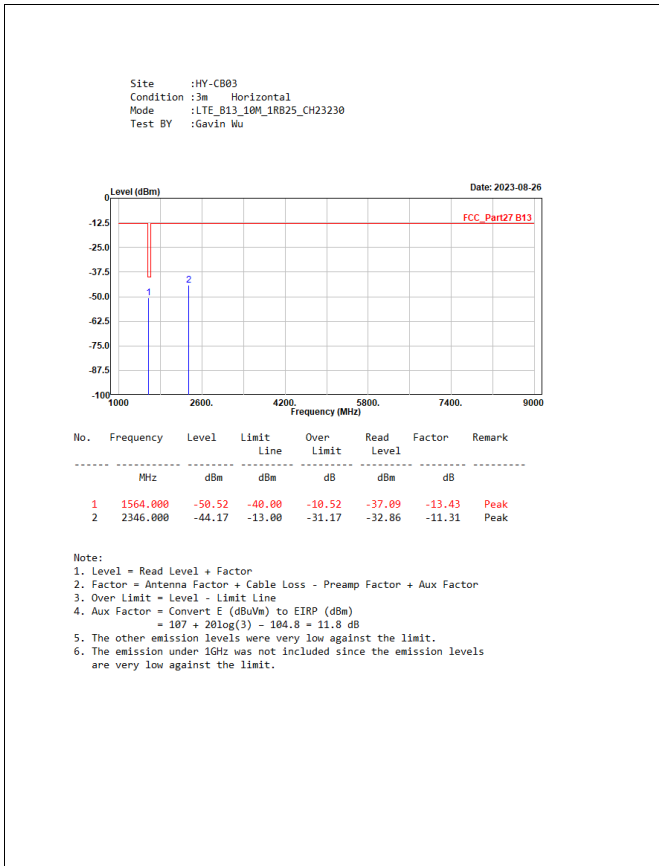
Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B12\_10M\_1RB25\_CH23130  
 Test BY :Gavin Wu

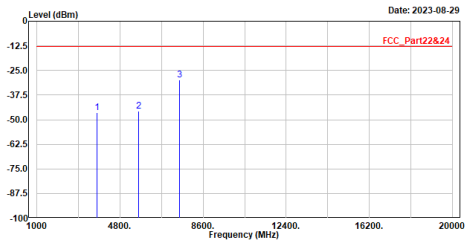


No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1422.000	-47.77	-13.00	-34.77	-34.45	-13.32	Peak
2	2133.000	-44.68	-13.00	-31.68	-33.13	-11.55	Peak
3	2844.000	-56.55	-13.00	-43.55	-46.36	-10.19	Peak
4	3555.000	-34.00	-13.00	-21.00	-25.85	-8.15	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.



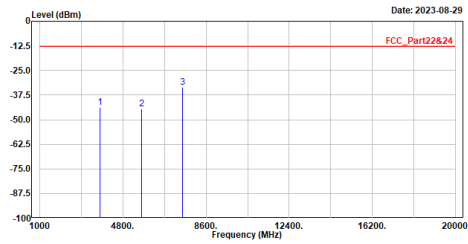
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B25\_20M\_1RB50\_CH26365  
 Test BY :Ashton Chiu



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	3765.000	-46.50	-13.00	-33.50	-40.05	-6.45	Peak
2	5647.500	-45.50	-13.00	-32.50	-45.47	-0.11	Peak
3	7530.000	-29.81	-13.00	-16.81	-34.60	4.79	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)  
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$   
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

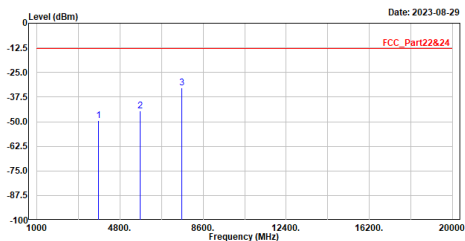
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B25\_20M\_1RB50\_CH26365  
 Test BY :Ashton Chiu



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	3765.000	-43.72	-13.00	-30.72	-37.27	-6.45	Peak
2	5647.500	-44.42	-13.00	-31.42	-44.31	-0.11	Peak
3	7530.000	-33.45	-13.00	-20.45	-38.24	4.79	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)  
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$   
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

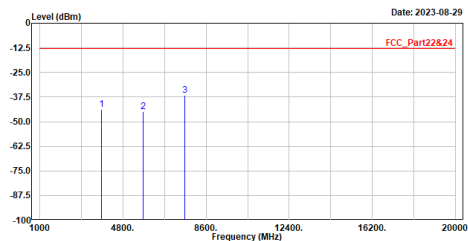
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B25\_20M\_1RB50\_CH26590  
 Test BY :Ashton Chiu



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	3810.000	-49.61	-13.00	-36.61	-43.44	-6.17	Peak
2	5715.000	-44.47	-13.00	-31.47	-44.81	0.34	Peak
3	7620.000	-32.86	-13.00	-19.86	-37.48	4.62	Peak

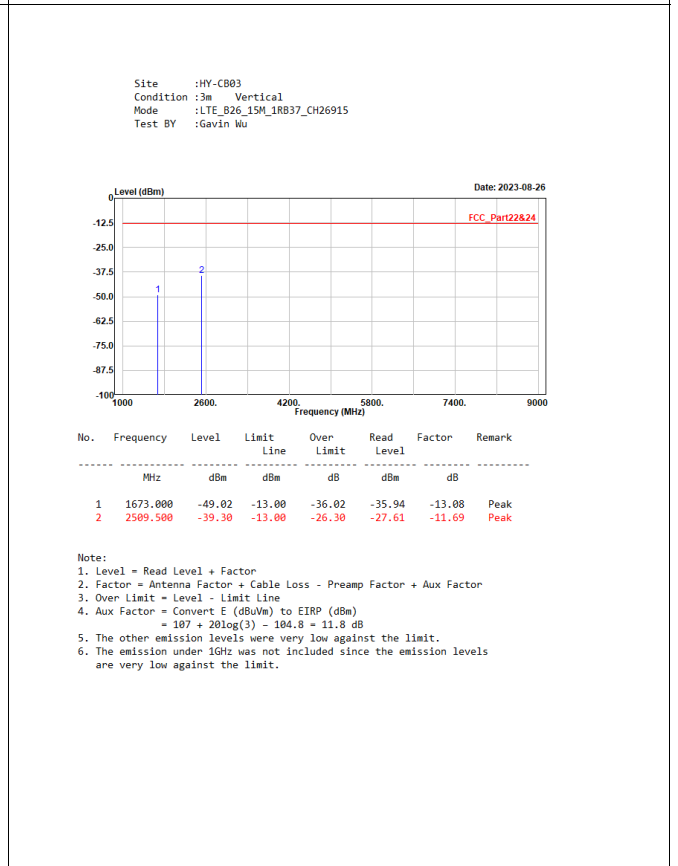
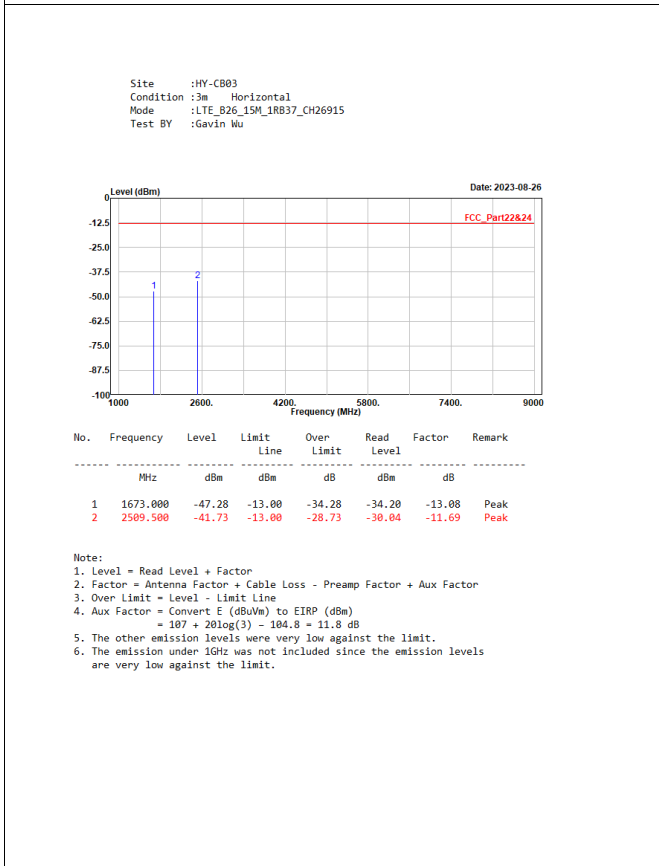
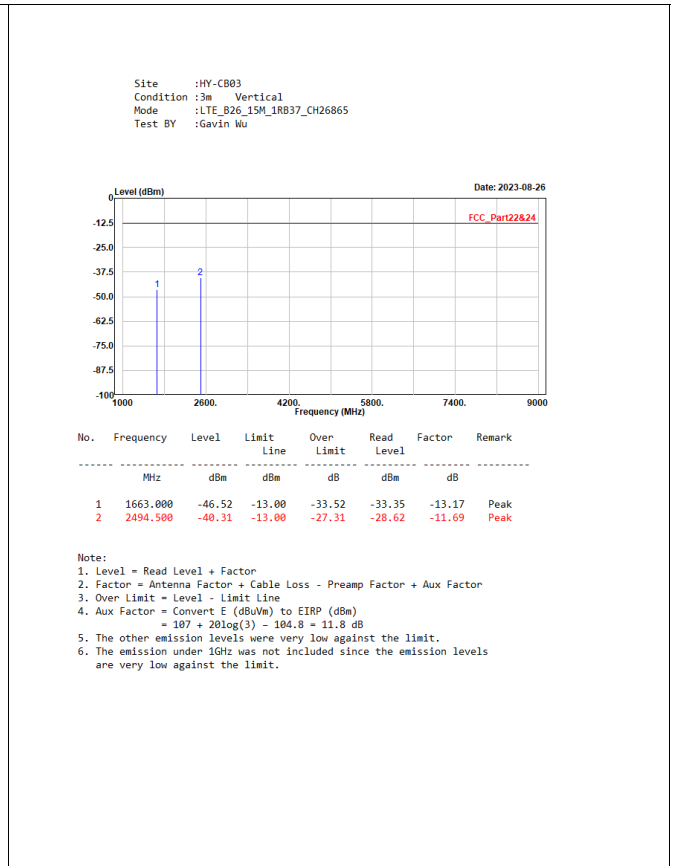
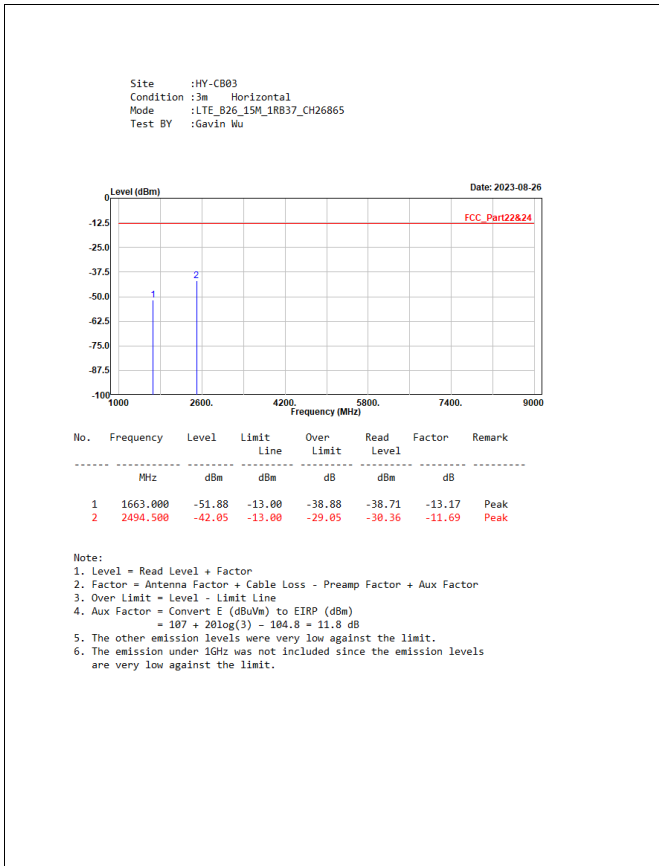
Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)  
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$   
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B25\_20M\_1RB50\_CH26590  
 Test BY :Ashton Chiu

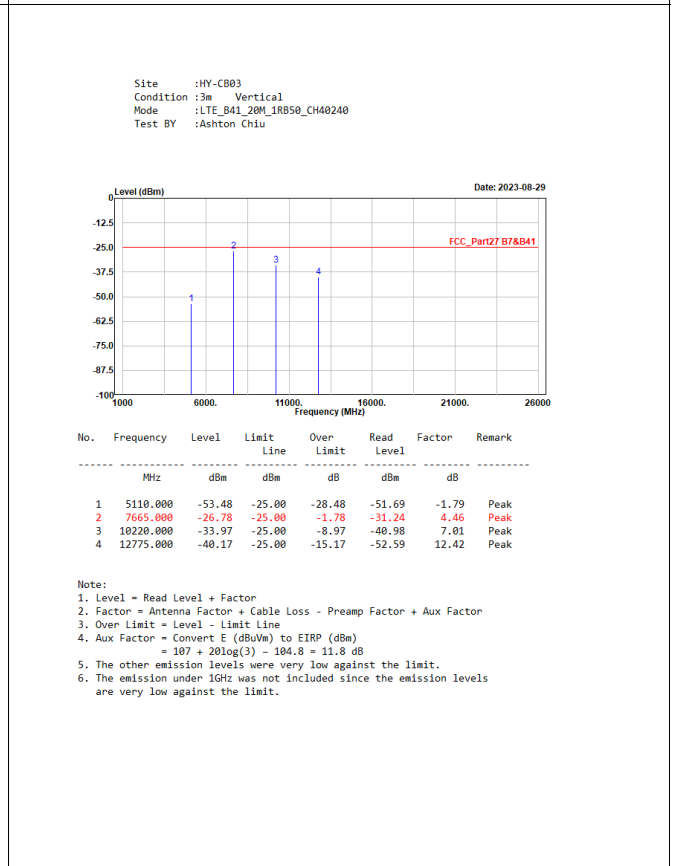
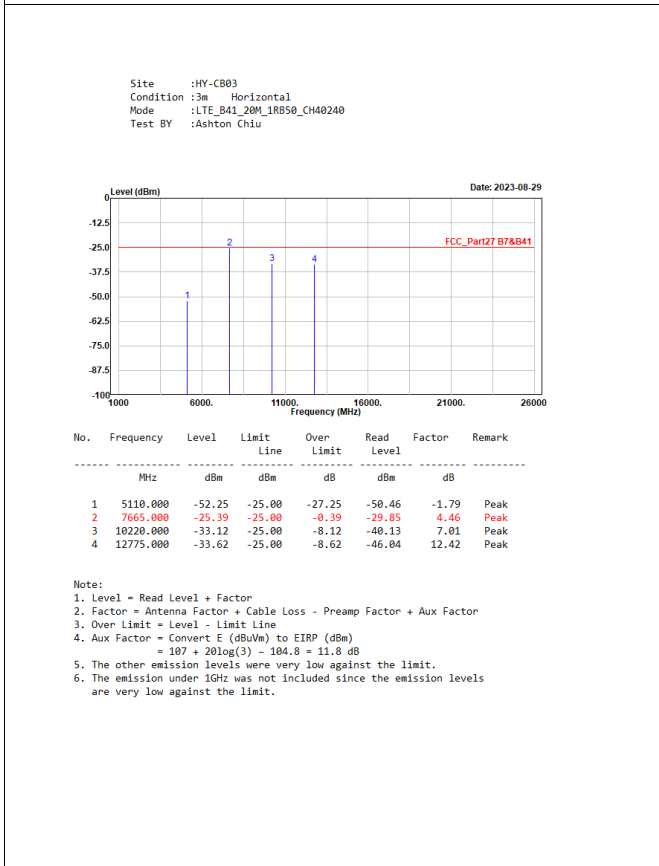
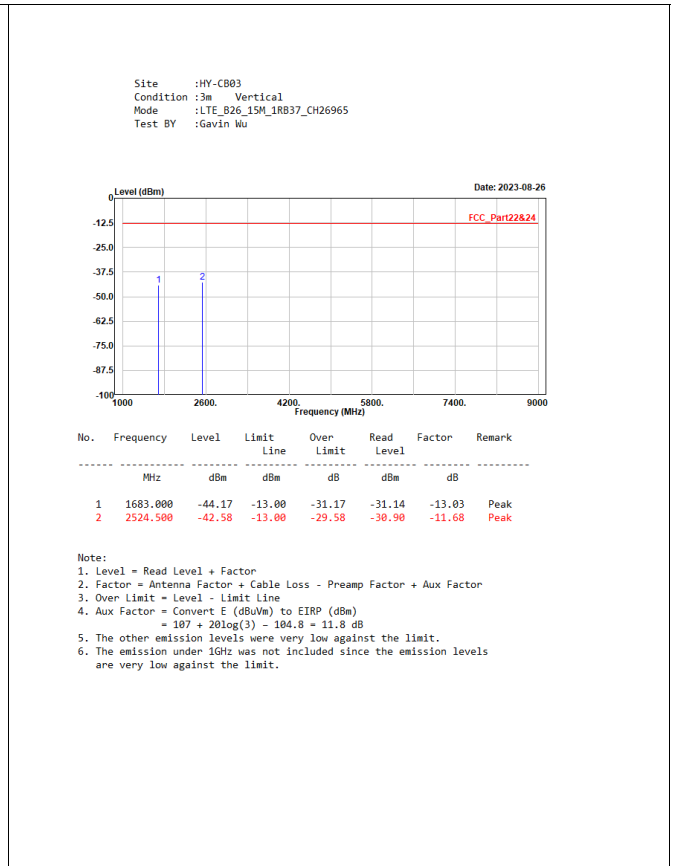
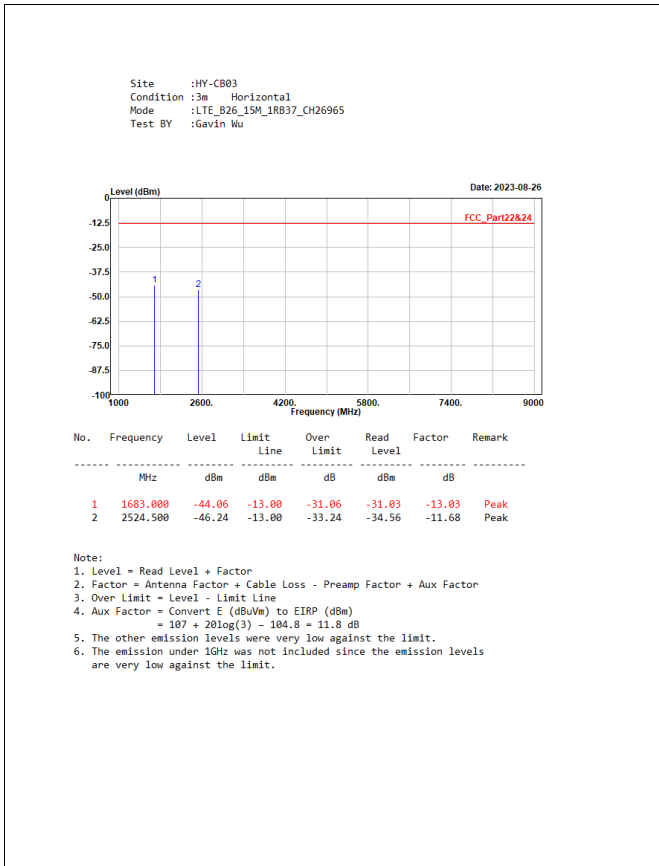


No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	3810.000	-43.72	-13.00	-30.72	-37.55	-6.17	Peak
2	5715.000	-44.86	-13.00	-31.86	-45.20	0.34	Peak
3	7620.000	-36.63	-13.00	-23.63	-41.25	4.62	Peak

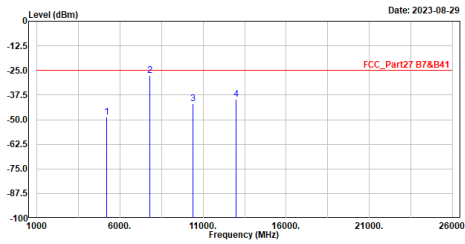
Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuV/m) to EIRP (dBm)  
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$   
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.







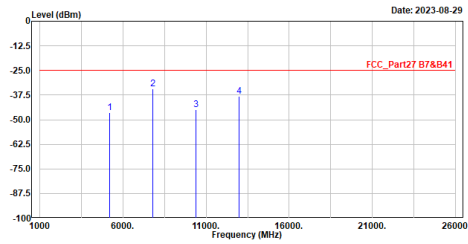
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B41\_20M\_1R850\_CH40620  
 Test BY :Ashton Chiu



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	5186.000	-48.81	-25.00	-23.81	-47.28	-1.53	Peak
2	7779.000	-27.41	-25.00	-2.41	-31.74	4.33	Peak
3	10372.000	-41.85	-25.00	-16.85	-49.15	7.30	Peak
4	12965.000	-39.79	-25.00	-14.79	-52.05	12.26	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

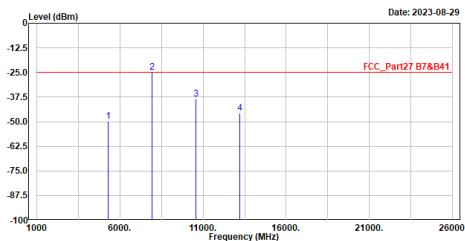
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B41\_20M\_1R850\_CH40620  
 Test BY :Ashton Chiu



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	5186.000	-46.60	-25.00	-21.60	-45.07	-1.53	Peak
2	7779.000	-34.19	-25.00	-9.19	-38.52	4.33	Peak
3	10372.000	-44.72	-25.00	-19.72	-52.02	7.30	Peak
4	12965.000	-37.94	-25.00	-12.94	-50.20	12.26	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

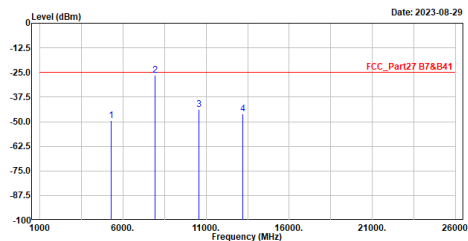
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B41\_20M\_1R850\_CH41140  
 Test BY :Ashton Chiu



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	5290.000	-49.63	-25.00	-24.63	-48.13	-1.50	Peak
2	7935.000	-25.09	-25.00	-0.09	-29.45	4.36	Peak
3	10580.000	-38.44	-25.00	-13.44	-46.57	8.13	Peak
4	13225.000	-45.70	-25.00	-20.70	-58.60	12.90	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

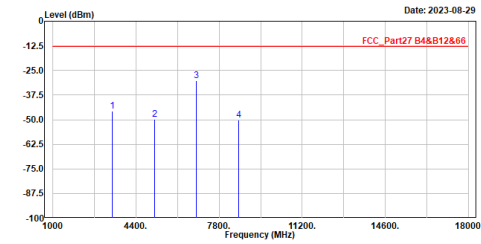
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B41\_20M\_1R850\_CH41140  
 Test BY :Ashton Chiu



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	5290.000	-49.32	-25.00	-24.32	-47.82	-1.50	Peak
2	7935.000	-26.58	-25.00	-1.58	-30.94	4.36	Peak
3	10580.000	-43.67	-25.00	-18.67	-51.80	8.13	Peak
4	13225.000	-45.92	-25.00	-20.92	-58.82	12.90	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

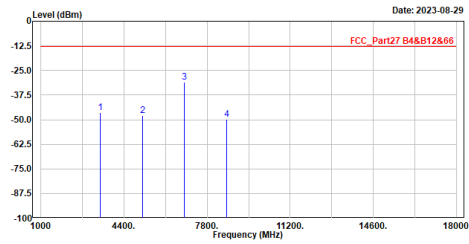
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B66\_20M\_1RB50\_CH132072  
 Test BY :Ashton Chiu



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3440.000	-45.79	-13.00	-32.79	-36.81	-8.98	Peak
2	5160.000	-49.88	-13.00	-36.88	-48.23	-1.65	Peak
3	6880.000	-39.24	-13.00	-17.24	-34.64	4.40	Peak
4	8600.000	-50.24	-13.00	-37.24	-54.93	4.69	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

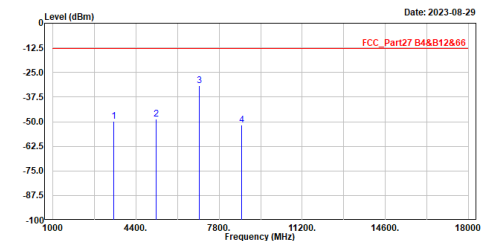
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B66\_20M\_1RB50\_CH132072  
 Test BY :Ashton Chiu



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3440.000	-46.56	-13.00	-33.56	-37.58	-8.98	Peak
2	5160.000	-47.79	-13.00	-34.79	-46.14	-1.65	Peak
3	6880.000	-30.86	-13.00	-17.86	-25.26	4.40	Peak
4	8600.000	-49.96	-13.00	-36.96	-54.65	4.69	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

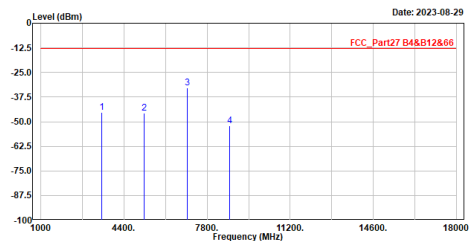
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B66\_20M\_1RB50\_CH132322  
 Test BY :Ashton Chiu



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3490.000	-49.81	-13.00	-36.81	-41.07	-8.74	Peak
2	5235.000	-48.57	-13.00	-35.57	-47.12	-1.45	Peak
3	6980.000	-31.73	-13.00	-18.73	-36.18	4.45	Peak
4	8725.000	-51.79	-13.00	-38.79	-56.62	4.83	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

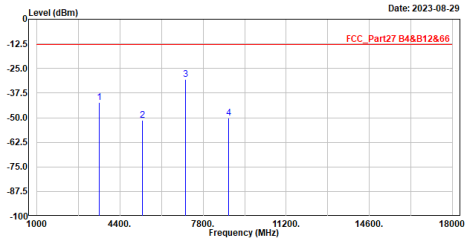
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B66\_20M\_1RB50\_CH132322  
 Test BY :Ashton Chiu



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3490.000	-45.46	-13.00	-32.46	-36.72	-8.74	Peak
2	5235.000	-45.76	-13.00	-32.76	-44.31	-1.45	Peak
3	6980.000	-32.84	-13.00	-19.84	-37.29	4.45	Peak
4	8725.000	-52.17	-13.00	-39.17	-57.00	4.83	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

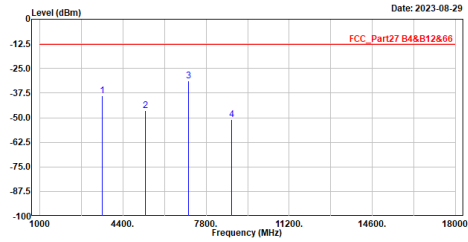
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B66\_20M\_1R850\_CH132572  
 Test BY :Ashton Chiu



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	3540.000	-42.14	-13.00	-29.14	-33.85	-8.29	Peak
2	5310.000	-51.13	-13.00	-38.13	-49.64	-1.49	Peak
3	7080.000	-30.65	-13.00	-17.65	-35.15	4.50	Peak
4	8850.000	-50.30	-13.00	-37.30	-55.04	4.74	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

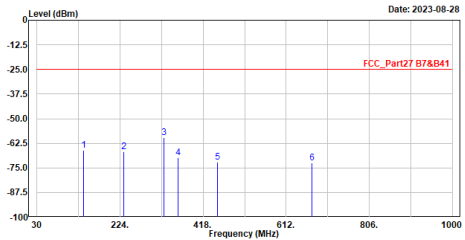
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B66\_20M\_1R850\_CH132572  
 Test BY :Ashton Chiu



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	3540.000	-38.94	-13.00	-25.94	-30.65	-8.29	Peak
2	5310.000	-46.55	-13.00	-33.55	-45.06	-1.49	Peak
3	7080.000	-31.42	-13.00	-18.42	-25.92	4.50	Peak
4	8850.000	-50.93	-13.00	-37.93	-55.67	4.74	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

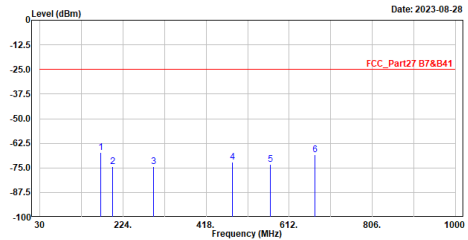
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B7\_20M\_1R850\_CH20850  
 Test BY :Peter



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	139.610	-66.22	-25.00	-41.22	-51.18	-15.04	Peak
2	232.730	-66.76	-25.00	-41.76	-50.36	-16.40	Peak
3	326.820	-59.66	-25.00	-34.66	-46.74	-12.92	Peak
4	358.830	-69.86	-25.00	-44.86	-57.18	-12.68	Peak
5	451.950	-72.22	-25.00	-47.22	-62.52	-9.70	Peak
6	672.140	-72.28	-25.00	-47.28	-66.89	-5.39	Peak

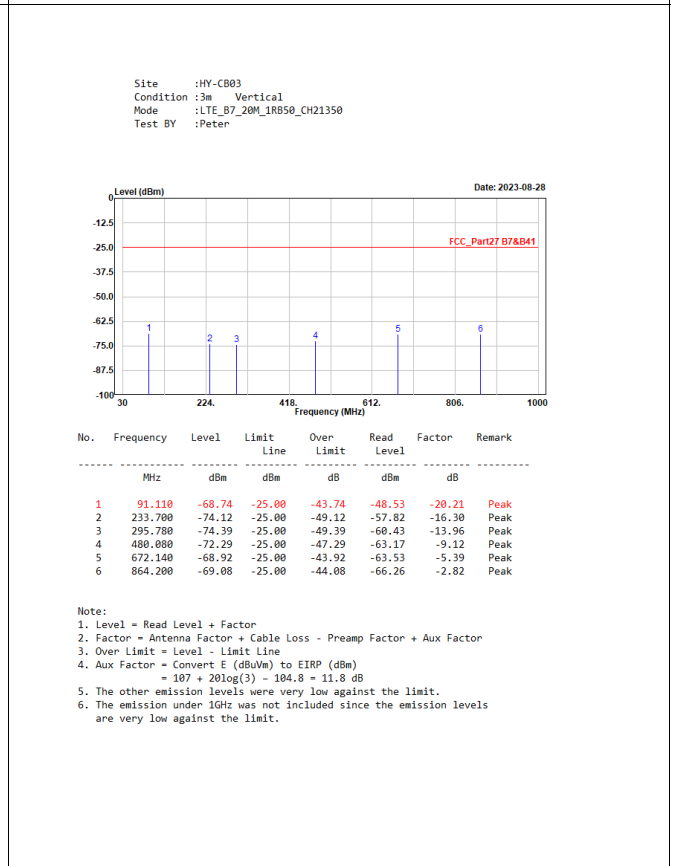
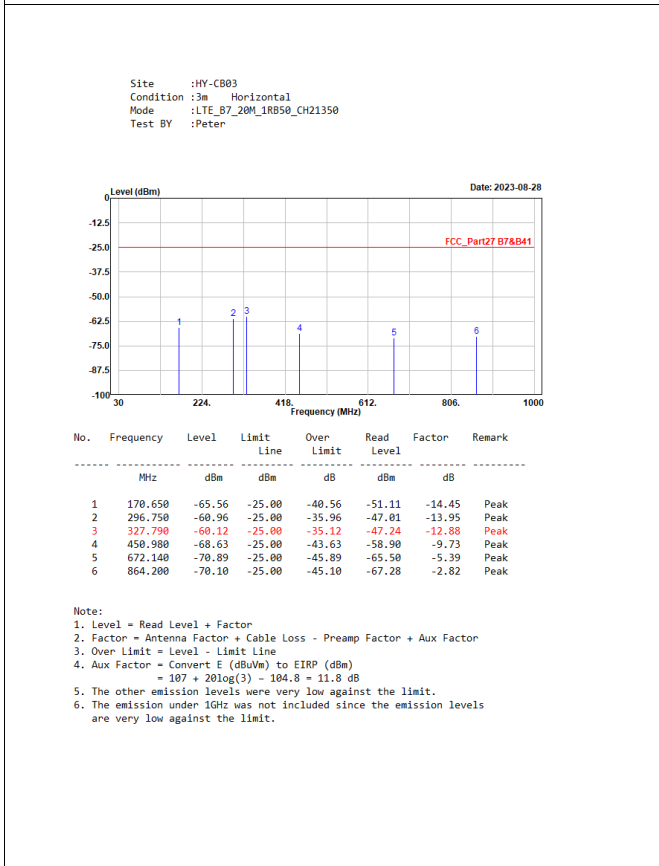
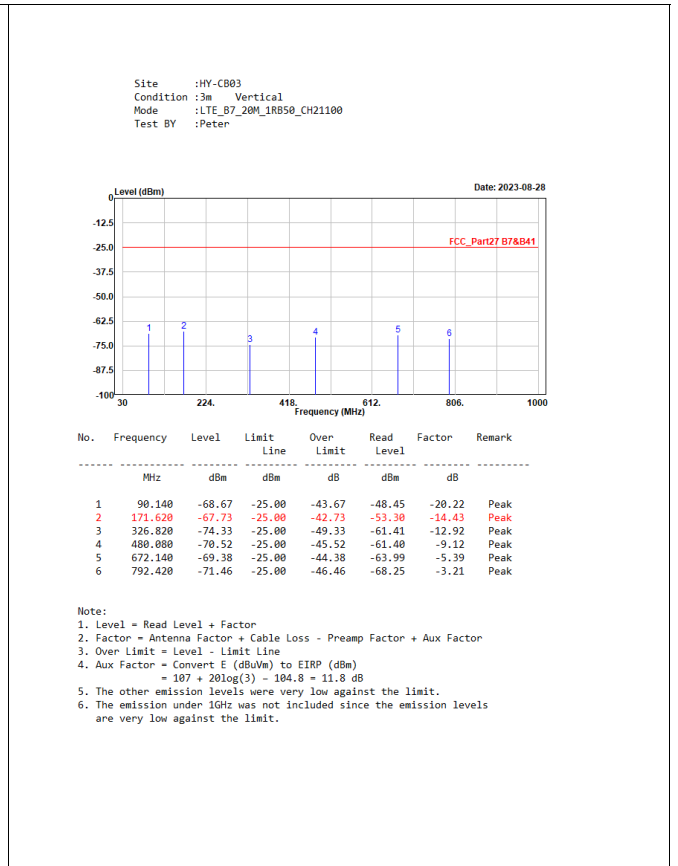
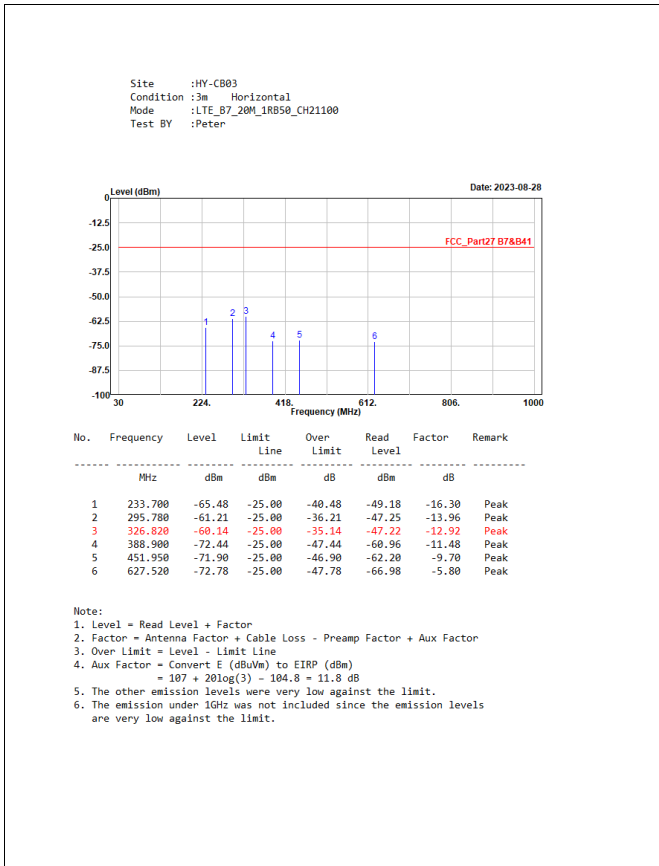
Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B7\_20M\_1R850\_CH20850  
 Test BY :Peter

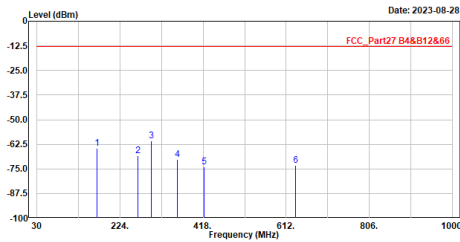


No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	171.620	-67.01	-25.00	-42.01	-52.58	-14.43	Peak
2	206.720	-74.29	-25.00	-49.29	-56.42	-17.87	Peak
3	295.780	-74.45	-25.00	-49.45	-60.49	-13.96	Peak
4	480.080	-71.89	-25.00	-46.89	-62.77	-9.12	Peak
5	567.380	-73.29	-25.00	-48.29	-65.89	-7.40	Peak
6	672.140	-68.40	-25.00	-43.40	-63.01	-5.39	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.



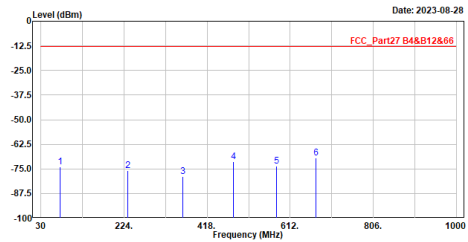
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B12\_10M\_1RB25\_CH23060  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	170.650	-64.43	-13.00	-51.43	-49.98	-14.45	Peak
2	265.710	-68.25	-13.00	-55.25	-53.06	-15.19	Peak
3	296.750	-69.58	-13.00	-47.58	-46.63	-13.95	Peak
4	357.860	-70.06	-13.00	-57.06	-57.37	-12.69	Peak
5	419.940	-73.95	-13.00	-60.95	-63.30	-10.65	Peak
6	634.310	-73.22	-13.00	-60.22	-67.54	-5.68	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$   
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

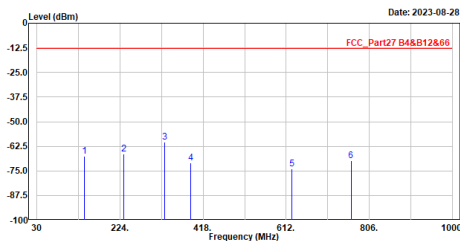
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B12\_10M\_1RB25\_CH23060  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	74.620	-74.06	-13.00	-61.06	-56.19	-17.87	Peak
2	232.730	-75.66	-13.00	-62.66	-59.26	-16.40	Peak
3	360.770	-79.02	-13.00	-66.02	-66.38	-12.64	Peak
4	480.080	-71.45	-13.00	-58.45	-62.33	-9.12	Peak
5	580.960	-73.64	-13.00	-60.64	-66.81	-6.83	Peak
6	672.140	-69.47	-13.00	-56.47	-64.08	-5.39	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$   
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

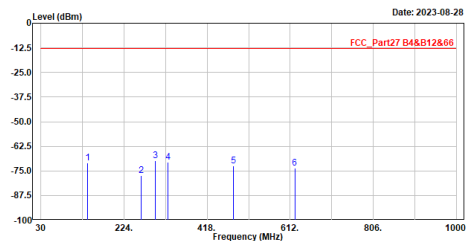
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B12\_10M\_1RB25\_CH23095  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	140.580	-67.63	-13.00	-54.63	-52.68	-14.95	Peak
2	233.700	-66.41	-13.00	-53.41	-50.11	-16.30	Peak
3	327.790	-60.29	-13.00	-47.29	-47.41	-12.88	Peak
4	388.900	-70.86	-13.00	-57.86	-59.38	-11.48	Peak
5	624.610	-74.01	-13.00	-61.01	-68.09	-5.92	Peak
6	763.320	-69.69	-13.00	-56.69	-66.04	-3.65	Peak

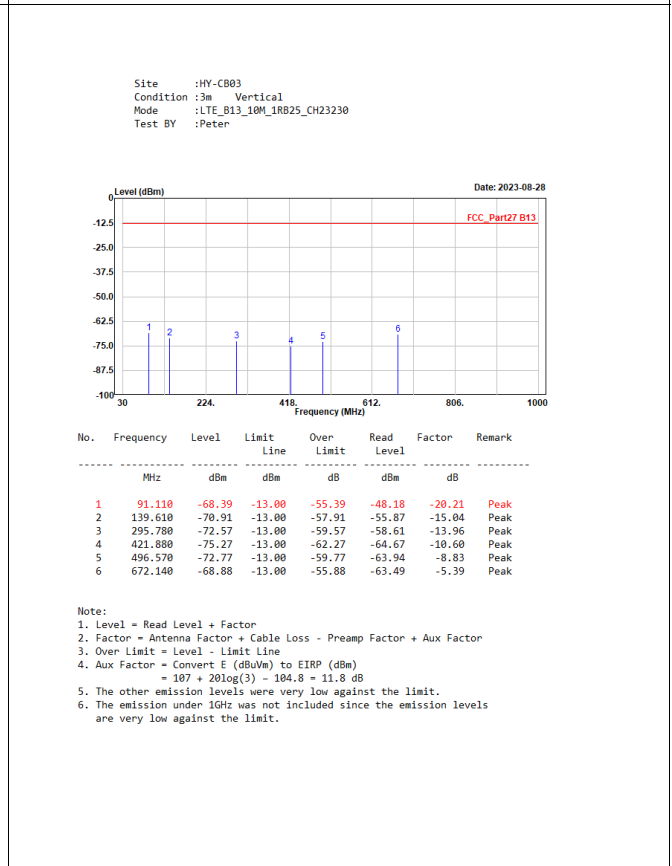
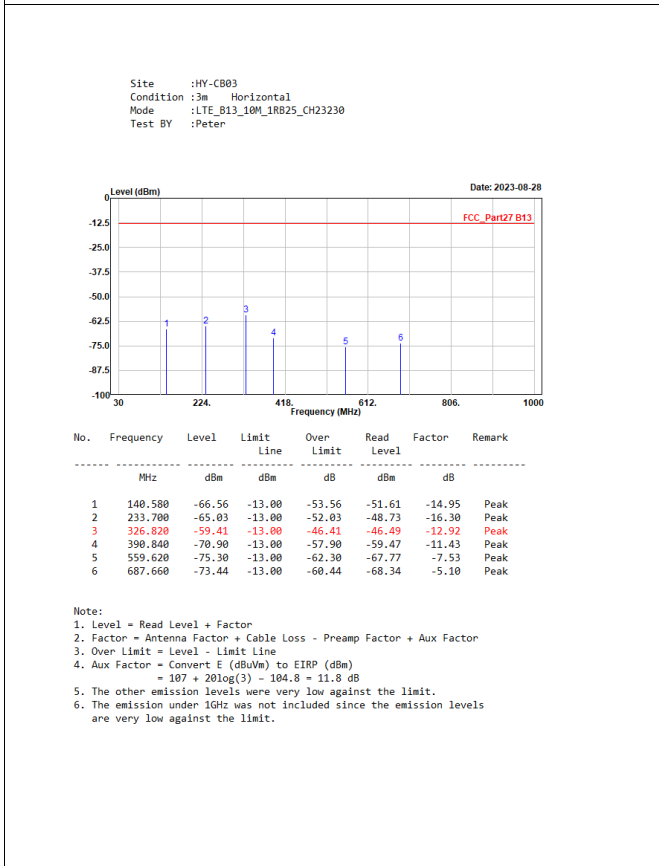
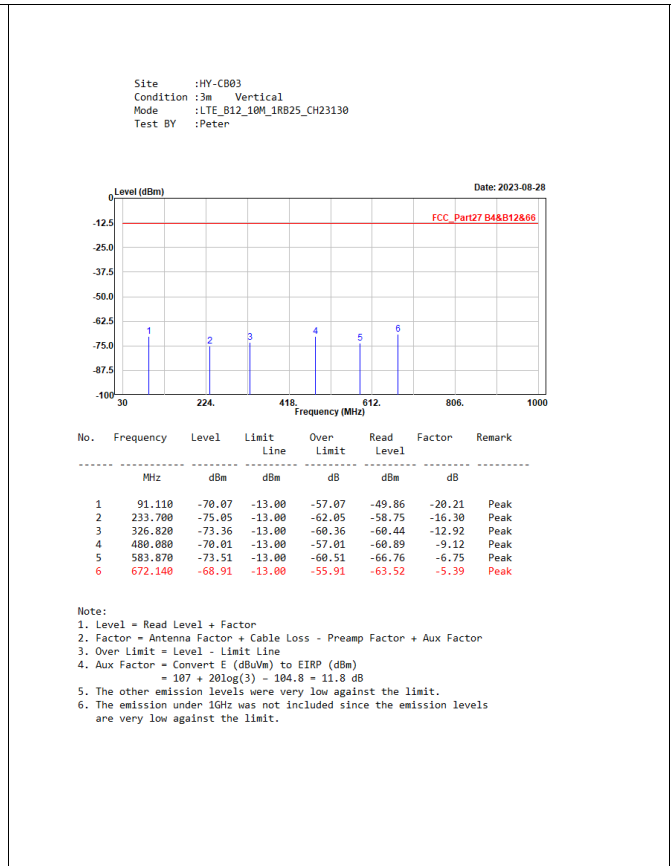
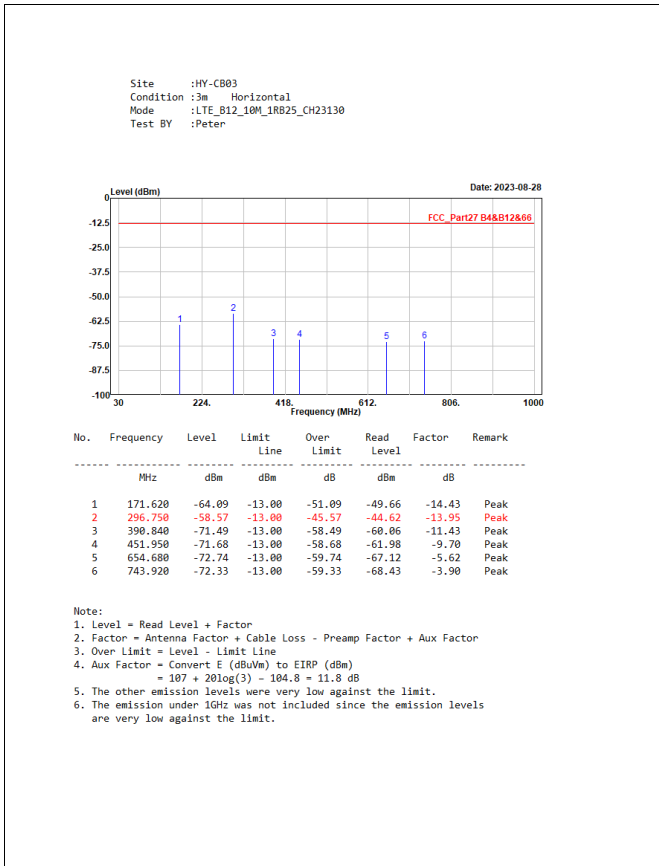
Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$   
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

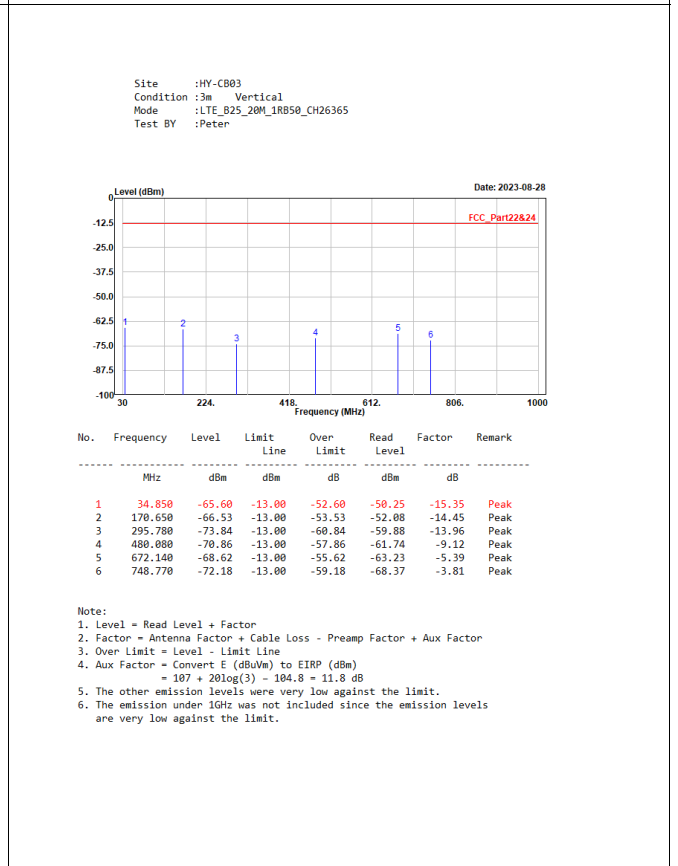
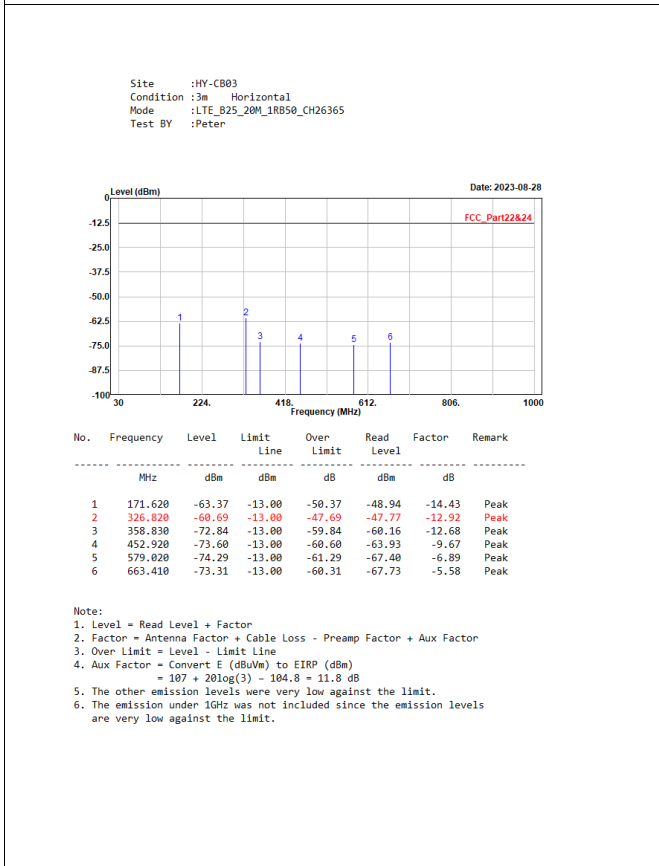
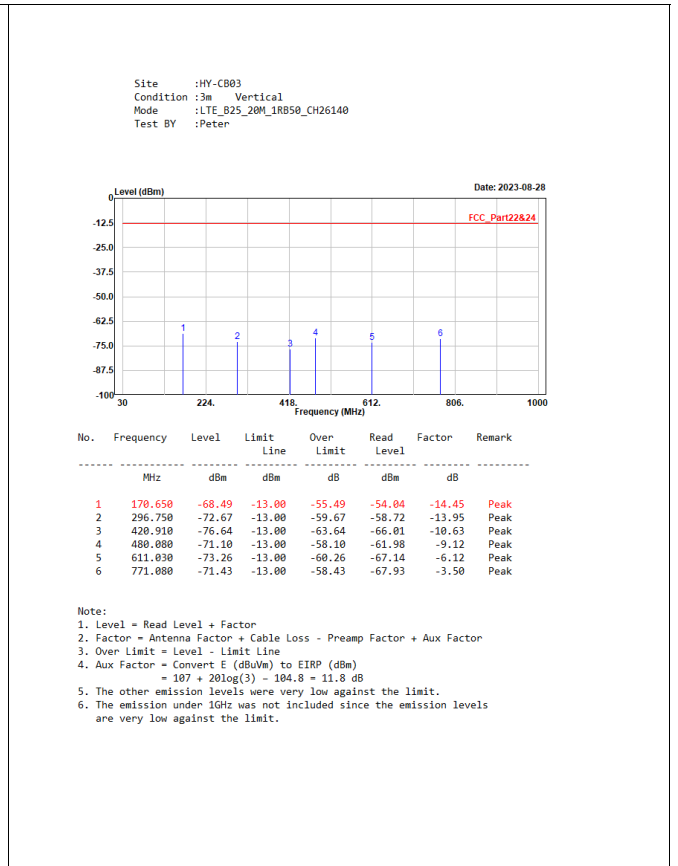
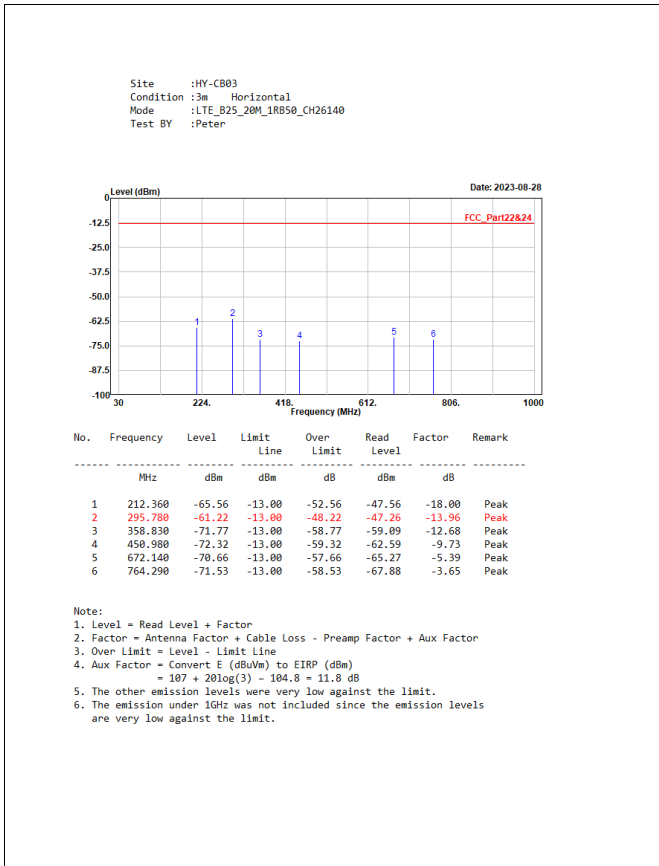
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B12\_10M\_1RB25\_CH23095  
 Test BY :Peter



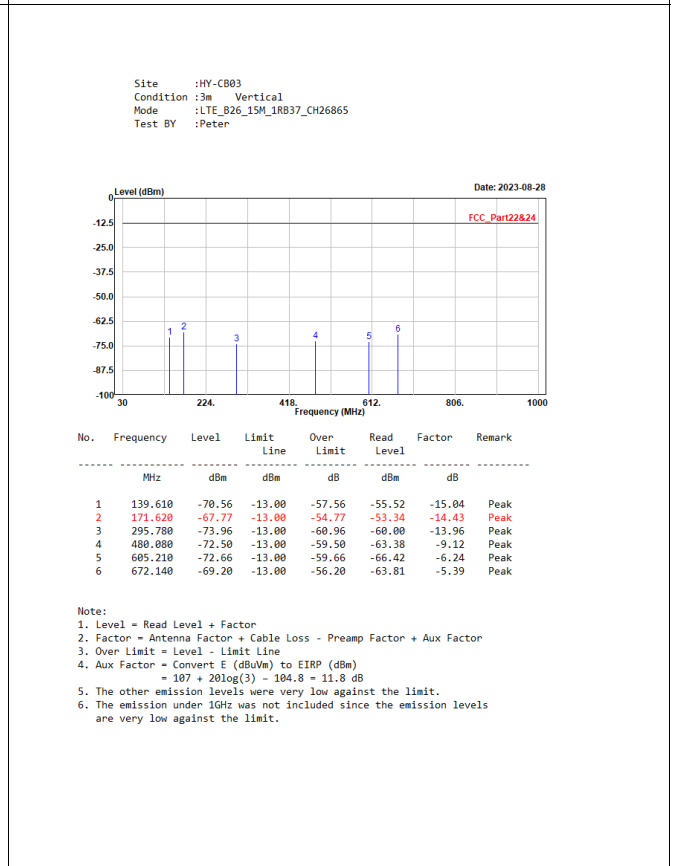
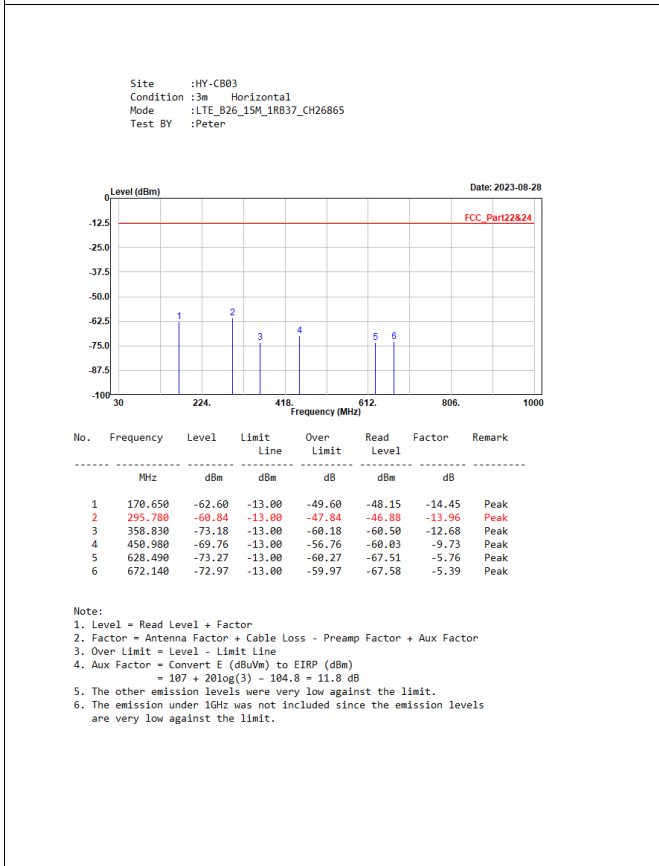
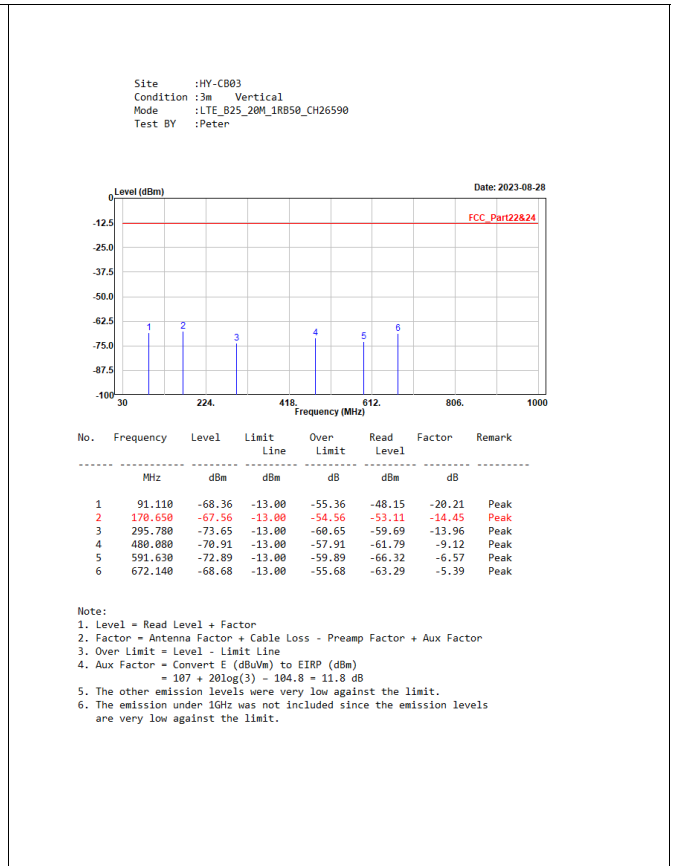
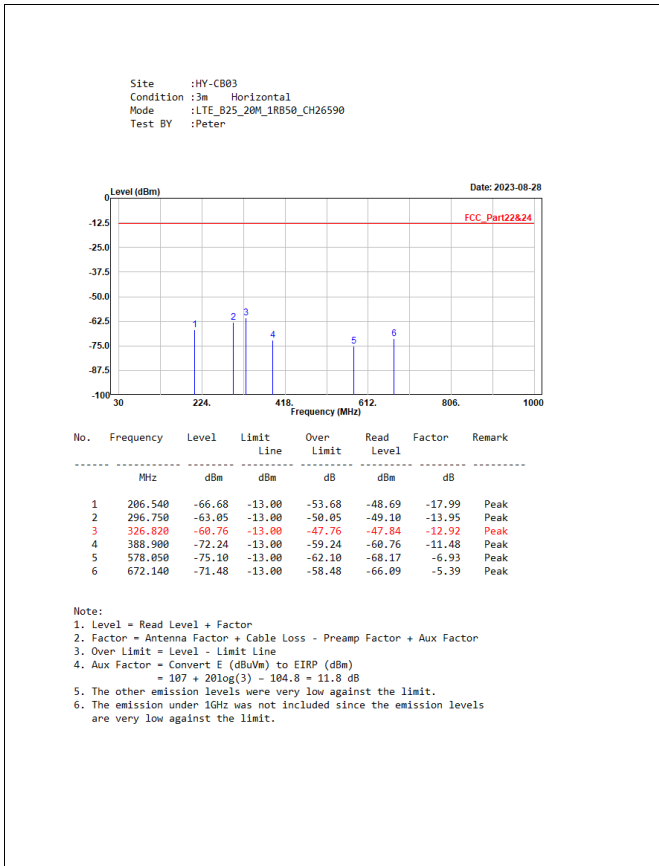
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	139.610	-70.86	-13.00	-57.86	-55.82	-15.04	Peak
2	264.740	-77.22	-13.00	-64.22	-61.99	-15.23	Peak
3	296.750	-69.86	-13.00	-56.86	-55.91	-13.95	Peak
4	326.820	-70.62	-13.00	-57.62	-57.70	-12.92	Peak
5	480.080	-72.48	-13.00	-59.48	-63.36	-9.12	Peak
6	622.670	-73.59	-13.00	-60.59	-67.63	-5.96	Peak

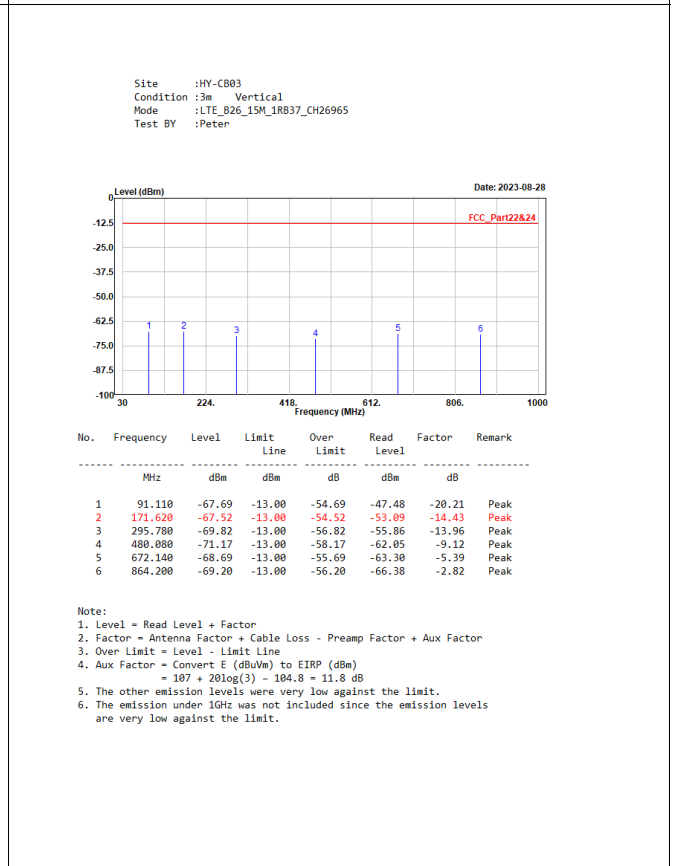
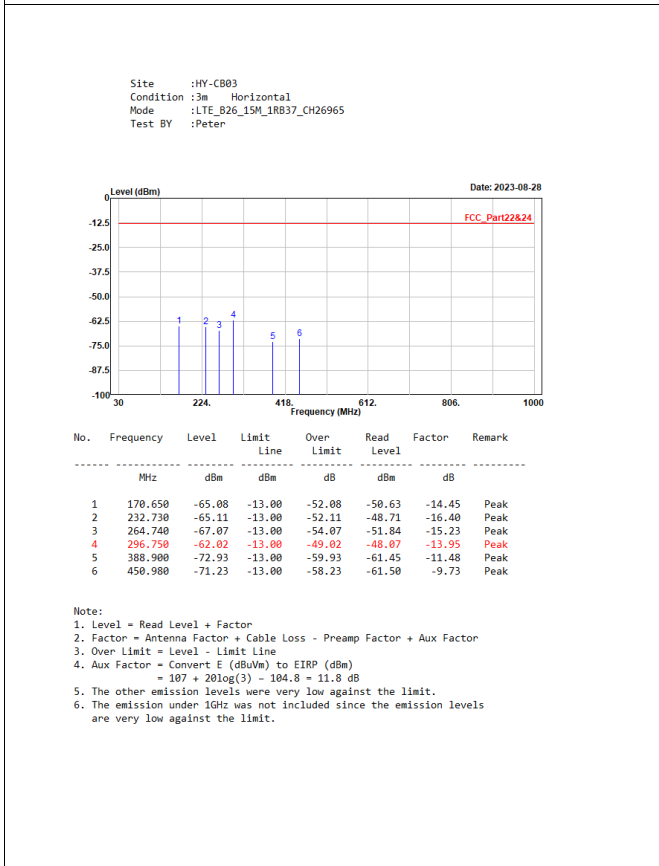
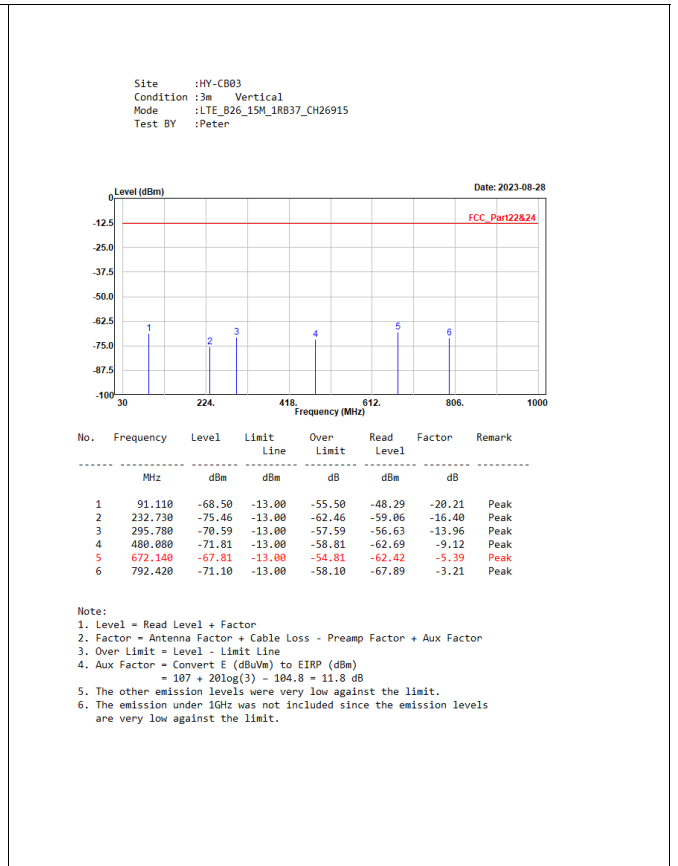
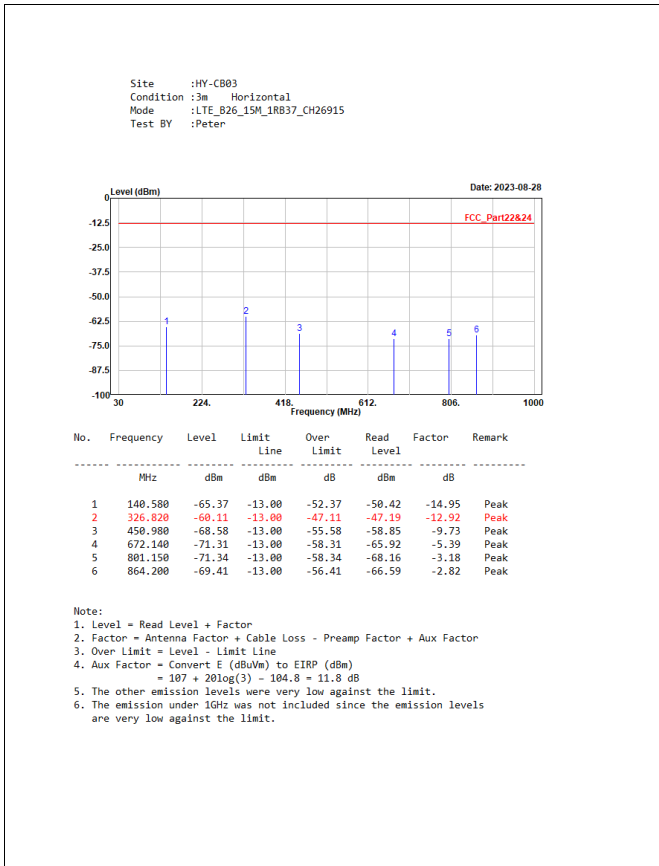
Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$   
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.



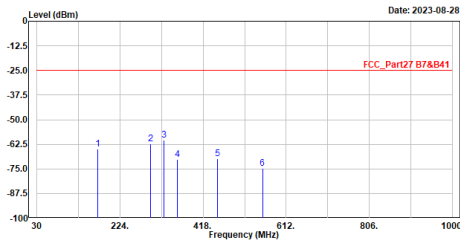








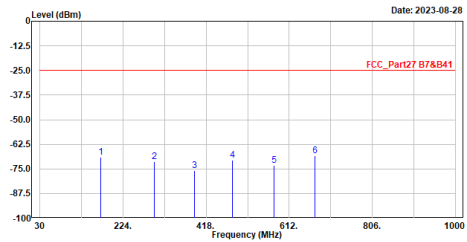
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B41\_20M\_1R850\_CH40240  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	171.620	-64.81	-25.00	-39.81	-50.38	-14.43	Peak
2	295.798	-62.30	-25.00	-37.30	-48.34	-13.96	Peak
3	326.820	-69.56	-25.00	-35.56	-47.64	-12.92	Peak
4	357.860	-70.19	-25.00	-45.19	-57.50	-12.69	Peak
5	450.980	-69.89	-25.00	-44.89	-60.16	-9.73	Peak
6	556.710	-74.87	-25.00	-49.87	-67.27	-7.60	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

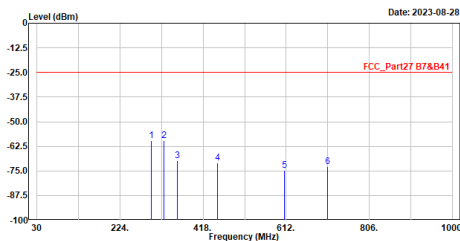
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B41\_20M\_1R850\_CH40240  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	171.620	-68.91	-25.00	-43.91	-54.48	-14.43	Peak
2	296.750	-71.33	-25.00	-46.33	-57.38	-13.95	Peak
3	390.840	-75.88	-25.00	-50.88	-64.45	-11.43	Peak
4	480.080	-70.42	-25.00	-45.42	-61.30	-9.12	Peak
5	576.110	-73.17	-25.00	-48.17	-66.15	-7.02	Peak
6	672.140	-68.38	-25.00	-43.38	-62.99	-5.39	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

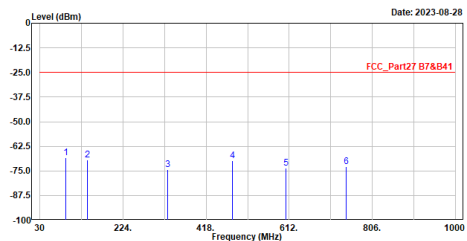
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B41\_20M\_1R850\_CH40620  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	296.750	-59.47	-25.00	-34.47	-45.52	-13.95	Peak
2	326.820	-59.64	-25.00	-34.64	-46.72	-12.92	Peak
3	357.860	-70.00	-25.00	-45.00	-57.31	-12.69	Peak
4	451.950	-71.11	-25.00	-46.11	-61.41	-9.70	Peak
5	607.150	-74.53	-25.00	-49.53	-68.33	-6.20	Peak
6	709.000	-72.92	-25.00	-47.92	-68.13	-4.79	Peak

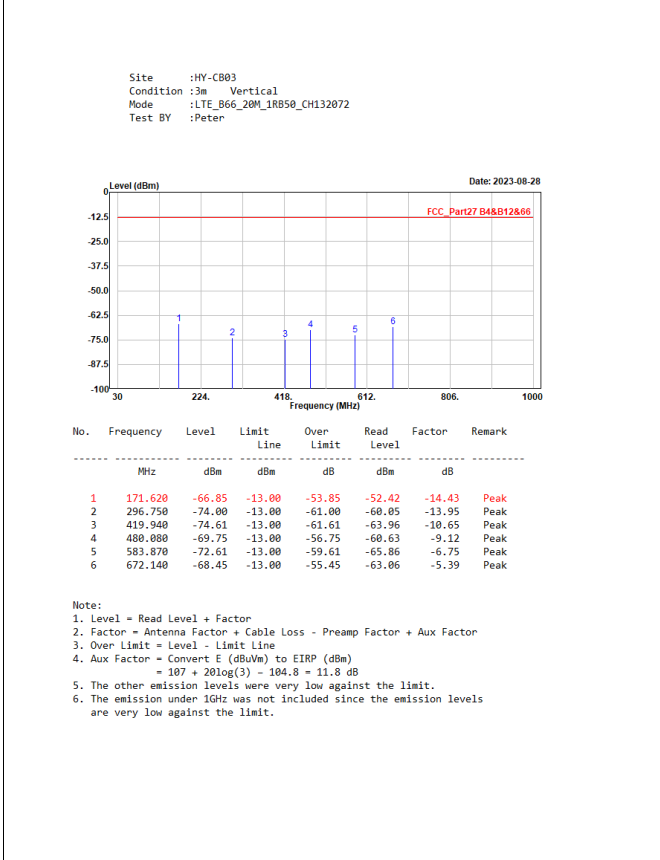
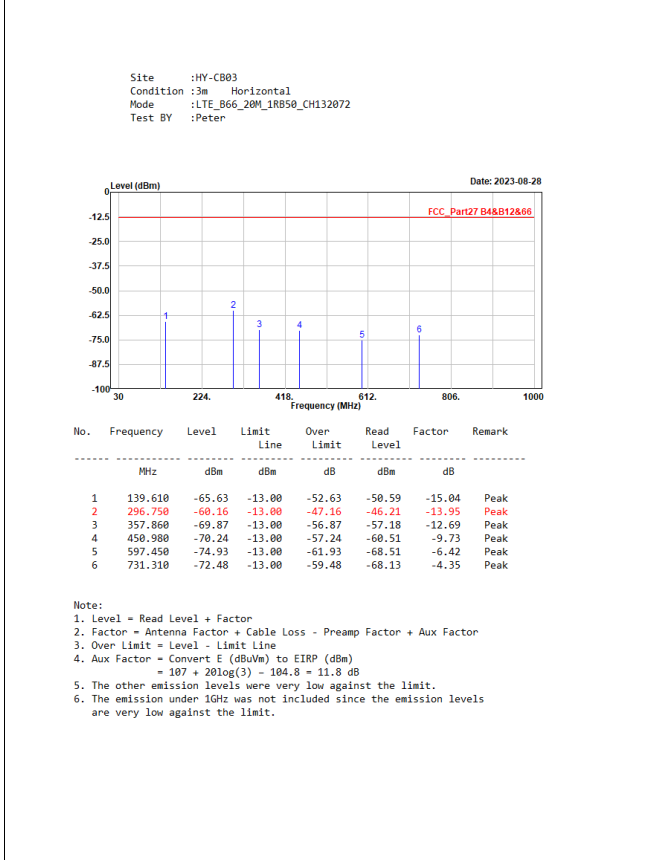
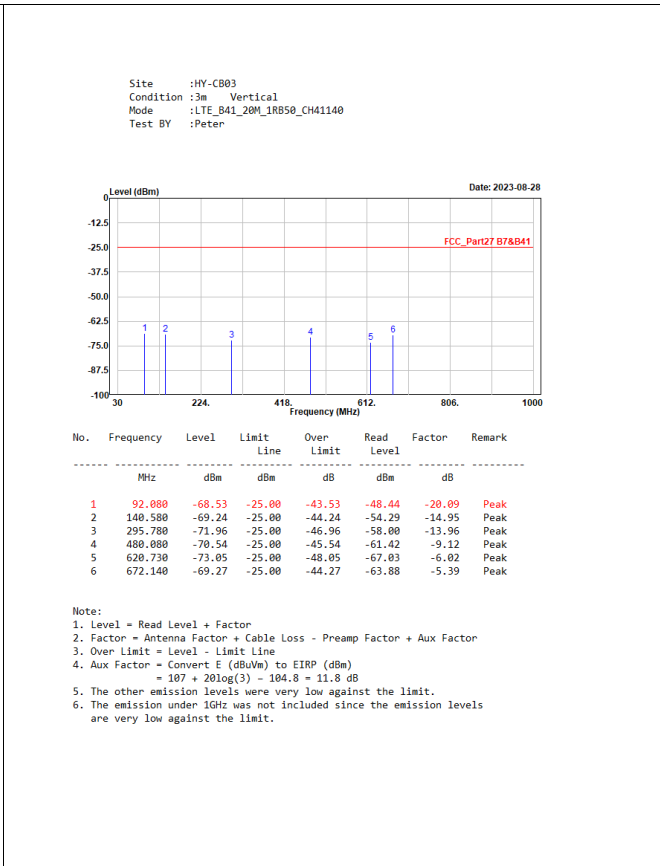
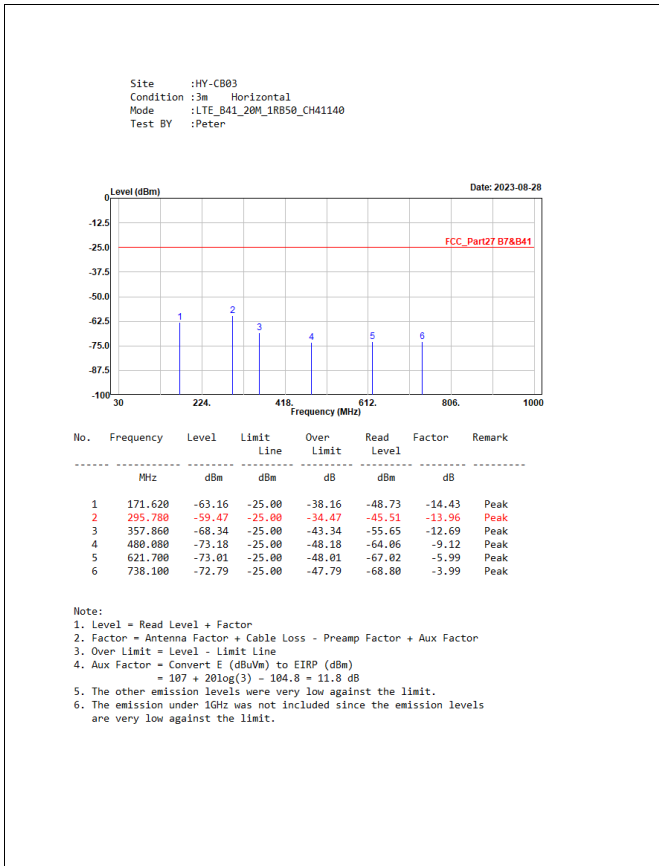
Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B41\_20M\_1R850\_CH40620  
 Test BY :Peter

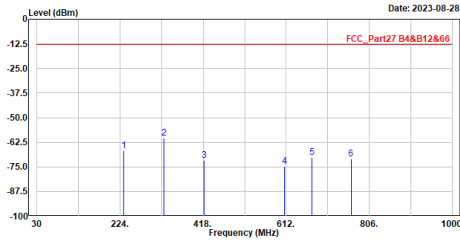


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	90.140	-68.34	-25.00	-43.34	-48.12	-20.22	Peak
2	140.580	-69.62	-25.00	-44.62	-54.67	-14.95	Peak
3	327.790	-74.23	-25.00	-49.23	-61.35	-12.88	Peak
4	480.080	-69.71	-25.00	-44.71	-60.59	-9.12	Peak
5	605.210	-73.44	-25.00	-48.44	-67.20	-6.24	Peak
6	745.860	-72.98	-25.00	-47.98	-69.10	-3.88	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.



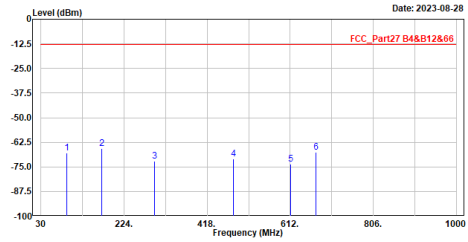
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B66\_20M\_1RB50\_CH132322  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	233.700	-66.94	-13.00	-53.94	-50.64	-16.30	Peak
2	326.820	-68.32	-13.00	-47.32	-47.40	-12.92	Peak
3	419.940	-71.59	-13.00	-58.59	-60.94	-10.65	Peak
4	608.120	-74.74	-13.00	-61.74	-68.56	-6.18	Peak
5	672.140	-70.22	-13.00	-57.22	-64.83	-5.39	Peak
6	763.320	-71.06	-13.00	-58.06	-67.41	-3.65	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

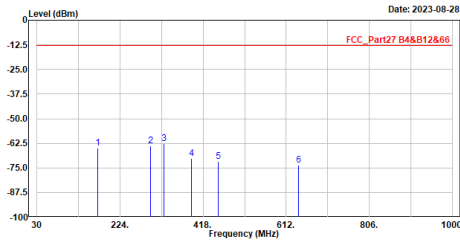
Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B66\_20M\_1RB50\_CH132322  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	91.110	-67.80	-13.00	-54.80	-47.59	-20.21	Peak
2	171.620	-65.61	-13.00	-52.61	-51.18	-14.43	Peak
3	295.780	-72.24	-13.00	-59.24	-58.28	-13.96	Peak
4	480.080	-71.02	-13.00	-58.02	-61.90	-9.12	Peak
5	613.940	-73.46	-13.00	-60.46	-67.42	-6.04	Peak
6	672.140	-67.64	-13.00	-54.64	-62.25	-5.39	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

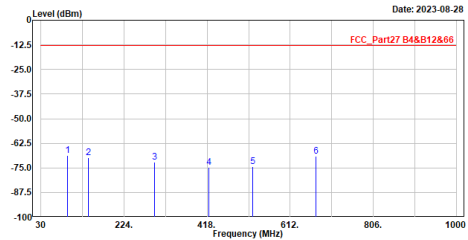
Site :HY-CB03  
 Condition :3m Horizontal  
 Mode :LTE\_B66\_20M\_1RB50\_CH132572  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	171.620	-64.91	-13.00	-51.91	-50.48	-14.43	Peak
2	295.780	-63.71	-13.00	-50.71	-49.75	-13.96	Peak
3	326.820	-62.58	-13.00	-49.58	-49.66	-12.92	Peak
4	390.840	-70.24	-13.00	-57.24	-58.81	-11.43	Peak
5	452.920	-71.66	-13.00	-58.66	-61.99	-9.67	Peak
6	640.130	-73.46	-13.00	-60.46	-67.90	-5.56	Peak

Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :HY-CB03  
 Condition :3m Vertical  
 Mode :LTE\_B66\_20M\_1RB50\_CH132572  
 Test BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	92.080	-68.67	-13.00	-55.67	-48.58	-20.09	Peak
2	140.580	-69.64	-13.00	-56.64	-54.69	-14.95	Peak
3	295.780	-72.22	-13.00	-59.22	-58.26	-13.96	Peak
4	421.880	-74.55	-13.00	-61.55	-63.95	-10.60	Peak
5	524.700	-74.39	-13.00	-61.39	-66.03	-8.36	Peak
6	672.140	-69.05	-13.00	-56.05	-63.66	-5.39	Peak

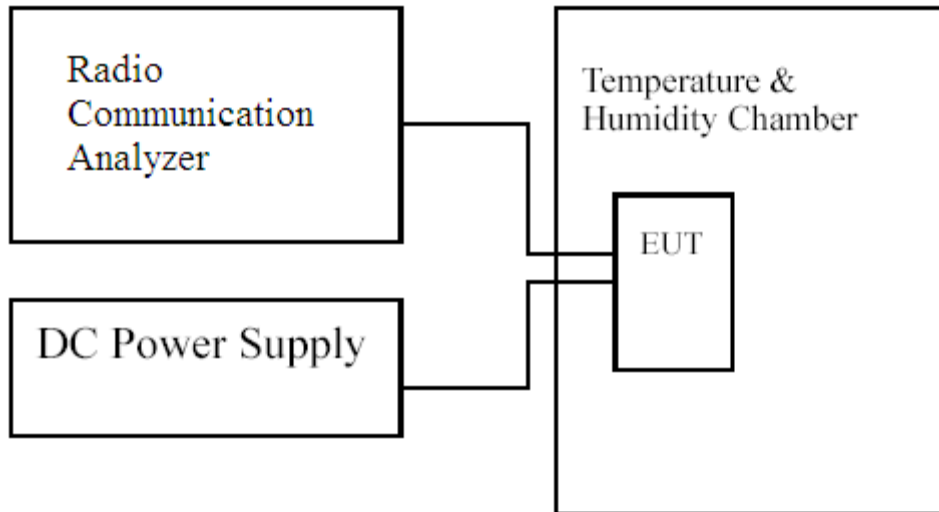
Note:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 = 107 + 20log(3) - 104.8 = 11.8 dB  
 5. The other emission levels were very low against the limit.  
 6. The emission under 1GHz was not included since the emission levels are very low against the limit.

## 7. Frequency Stability Under Temperature & Voltage Variations

### 7.1 Test Specification

According to Part 2.1055, 22.355, 24.235, 27.54, RSS-GEN, RSS-130, RSS-132, RSS-133, RSS-139, RSS-199.

### 7.2 Test Setup



### 7.3 Limits

<b>Limit</b>	<b>&lt; ± 2.5 ppm</b>
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### 7.4 Test Procedure

The frequency stability of transmitter is measured by:

- (a) Temperature: The temperature is varied from -30 °C to 50 °C in 10 °C increment using a standard temperature & Humidity chamber.
- (b) Primary Supply Voltage: The primary supply voltage is varied 85 % to 115 % of the nominal value for non hand-carried equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating endpoint which shall be specified by the manufacturer.

The EUT was connected via the base station simulator. Universal Radio Communication Tester, was used to measure The Frequency Error. The maximum result of measurements was recorded.

## 7.5 Test Result of Frequency Stability Under Temperature Variations

**LTE Band 7**

## Temperature Variations

Temperature Interval(°C)	Test Channel	Deviation (kHz)				Limit (kHz)
		5 M	10 M	15 M	20 M	
-30	Low	0.0096	-0.0068	0.0097	0.0073	±6.34
-20	Low	0.0092	-0.0051	0.0083	0.0095	±6.34
-10	Low	0.0089	-0.0067	0.0095	0.0068	±6.34
0	Low	0.0081	-0.0063	0.0086	0.0072	±6.34
10	Low	0.0083	-0.0079	0.0083	0.0089	±6.34
20	Low	0.0081	-0.0084	0.0074	0.0084	±6.34
30	Low	0.0082	-0.0076	0.0078	0.0094	±6.34
40	Low	0.0094	-0.0068	0.0072	0.0103	±6.34
50	Low	0.0088	-0.0074	0.0063	0.0123	±6.34
-30	High	0.0084	-0.0064	0.0083	0.0083	±6.34
-20	High	0.0068	-0.0055	0.0066	0.0088	±6.34
-10	High	0.0076	-0.0058	0.0075	0.0078	±6.34
0	High	0.0088	-0.0058	0.0051	0.0051	±6.34
10	High	0.0075	-0.0068	0.0067	0.0068	±6.34
20	High	0.0072	-0.0079	-0.0054	0.0064	±6.34
30	High	0.0076	-0.0084	0.0063	0.0072	±6.34
40	High	0.0089	-0.0079	-0.0089	0.0099	±6.34
50	High	0.0097	-0.0070	0.0082	0.0093	±6.34

## Voltage Variations

DC Voltage (V)	Test Channel	Deviation (kHz)				Limit (kHz)
		5 M	10 M	15 M	20 M	
4.35	Low	0.0085	-0.0086	0.0079	0.0088	±6.34
3.8	Low	0.0081	-0.0084	0.0074	0.0084	±6.34
3.6	Low	0.0088	-0.0089	0.0077	0.0076	±6.34
4.35	High	0.0077	-0.0076	0.0058	0.0068	±6.34
3.8	High	0.0072	-0.0079	-0.0054	0.0064	±6.34
3.6	High	0.0084	-0.0081	0.0068	0.0067	±6.34

**LTE Band 12**

## Temperature Variations

Temperature Interval(°C)	Test Channel	Deviation (kHz)				Limit (kHz)
		1.4 M	3 M	5 M	10 M	
-30	Low	-0.0040	0.0046	0.0041	0.0042	±1.77
-20	Low	-0.0063	0.0061	0.0039	-0.0063	±1.77
-10	Low	-0.0064	0.0058	0.0062	-0.0064	±1.77
0	Low	0.0034	0.0059	0.0036	0.0034	±1.77
10	Low	-0.0044	0.0040	0.0053	0.0058	±1.77
20	Low	-0.0050	0.0041	-0.0038	0.0032	±1.77
30	Low	-0.0047	0.0054	-0.0042	0.0035	±1.77
40	Low	-0.0068	0.0045	0.0051	0.0044	±1.77
50	Low	-0.0055	-0.0037	0.0055	0.0040	±1.77
-30	High	-0.0051	0.0052	0.0047	-0.0049	±1.77
-20	High	-0.0040	0.0036	0.0059	-0.0040	±1.77
-10	High	-0.0066	0.0054	0.0037	0.0061	±1.77
0	High	-0.0048	0.0063	0.0030	0.0041	±1.77
10	High	-0.0035	0.0067	0.0026	0.0054	±1.77
20	High	-0.0052	0.0048	0.0036	0.0037	±1.77
30	High	-0.0062	0.0066	0.0039	0.0045	±1.77
40	High	-0.0087	0.0058	0.0046	-0.0049	±1.77
50	High	-0.0077	0.0043	0.0041	-0.0035	±1.77

## Voltage Variations

DC Voltage (V)	Test Channel	Deviation (kHz)				Limit (kHz)
		1.4 M	3 M	5 M	10 M	
4.35	Low	-0.0055	0.0048	0.0042	0.0038	±1.77
3.8	Low	-0.0050	0.0041	-0.0038	0.0032	±1.77
3.6	Low	-0.0043	0.0051	0.0049	0.0044	±1.77
4.35	High	-0.0051	0.0056	0.0032	0.0042	±1.77
3.8	High	-0.0052	0.0048	0.0036	0.0037	±1.77
3.6	High	-0.0061	0.0054	0.0042	0.0039	±1.77



**LTE Band 13**

## Temperature Variations

Temperature Interval(°C)	Test Channel	Deviation (kHz)		Limit (kHz)
		5 M	10 M	
-30	Low	-0.0041	--	±1.96
-20	Low	-0.0036	--	±1.96
-10	Low	0.0040	--	±1.96
0	Low	0.0042	--	±1.96
10	Low	0.0056	--	±1.96
20	Low	-0.0038	--	±1.96
30	Low	0.0041	--	±1.96
40	Low	0.0046	--	±1.96
50	Low	0.0031	--	±1.96
-30	Mid	--	-0.0038	±1.96
-20	Mid	--	0.0043	±1.96
-10	Mid	--	0.0028	±1.96
0	Mid	--	0.0036	±1.96
10	Mid	--	0.0031	±1.96
20	Mid	--	0.0027	±1.96
30	Mid	--	0.0039	±1.96
40	Mid	--	0.0034	±1.96
50	Mid	--	0.0038	±1.96
-30	High	0.0055	--	±1.96
-20	High	0.0054	--	±1.96
-10	High	0.0068	--	±1.96
0	High	0.0054	--	±1.96
10	High	0.0045	--	±1.96
20	High	0.0052	--	±1.96
30	High	0.0048	--	±1.96
40	High	0.0055	--	±1.96
50	High	0.0053	--	±1.96

## Voltage Variations

DC Voltage (V)	Test Channel	Deviation (kHz)		Limit (kHz)
		5 M	10 M	
4.35	Low	0.0042	--	±1.96
3.8	Low	-0.0038	--	±1.96
3.6	Low	0.0046	--	±1.96
4.35	Mid	--	0.0032	±1.96
3.8	Mid	--	0.0027	±1.96
3.6	Mid	--	0.0033	±1.96
4.35	High	0.0049	--	±1.96
3.8	High	0.0052	--	±1.96
3.6	High	0.0041	--	±1.96

**LTE Band 25**

## Temperature Variations

Temperature Interval(°C)	Test Channel	Deviation (kHz)						Limit (kHz)
		1.4 M	3 M	5 M	10 M	15 M	20 M	
-30	Low	-0.0067	-0.0054	0.0066	-0.0062	-0.0067	0.0061	±4.71
-20	Low	0.0079	-0.0044	0.0056	-0.0072	-0.0063	0.0045	±4.71
-10	Low	0.0084	-0.0070	0.0074	-0.0054	-0.0043	0.0065	±4.71
0	Low	-0.0055	-0.0066	-0.0088	-0.0045	-0.0059	0.0065	±4.71
10	Low	-0.0080	0.0066	-0.0097	-0.0047	-0.0066	0.0042	±4.71
20	Low	-0.0062	-0.0058	-0.0054	-0.0053	-0.0068	0.0052	±4.71
30	Low	0.0068	-0.0062	-0.0052	-0.0061	-0.0062	0.0058	±4.71
40	Low	0.0065	0.0061	-0.0077	-0.0055	-0.0071	0.0076	±4.71
50	Low	0.0078	0.0065	-0.0075	-0.0061	-0.0062	0.0069	±4.71
-30	High	-0.0087	-0.0055	-0.0080	-0.0053	0.0051	0.0057	±4.71
-20	High	0.0055	-0.0068	0.0078	-0.0050	0.0041	0.0051	±4.71
-10	High	-0.0077	-0.0047	0.0054	-0.0074	0.0063	0.0073	±4.71
0	High	-0.0055	-0.0037	-0.0068	-0.0070	0.0063	0.0073	±4.71
10	High	-0.0071	0.0046	-0.0074	-0.0074	-0.0046	0.0078	±4.71
20	High	-0.0103	0.0061	-0.0062	-0.0056	0.0055	0.0050	±4.71
30	High	0.0059	0.0068	-0.0067	-0.0067	0.0058	0.0043	±4.71
40	High	-0.0075	0.0072	0.0058	-0.0048	0.0089	0.0069	±4.71
50	High	-0.0104	0.0076	0.0055	-0.0053	0.0067	0.0072	±4.71

## Voltage Variations

DC Voltage (V)	Test Channel	Deviation (kHz)						Limit (kHz)
		1.4 M	3 M	5 M	10 M	15 M	20 M	
4.35	Low	0.0068	0.0064	-0.0058	-0.0055	-0.0058	0.0055	±4.71
3.8	Low	0.0062	-0.0058	-0.0054	-0.0053	-0.0068	0.0052	±4.71
3.6	Low	0.0072	0.0068	0.0068	-0.0068	-0.0064	0.0064	±4.71
4.35	High	-0.0098	0.0056	-0.0056	-0.0052	0.0062	0.0068	±4.71
3.8	High	-0.0103	0.0061	-0.0062	-0.0056	0.0055	0.0050	±4.71
3.6	High	-0.0110	0.0062	0.0063	-0.0062	0.0066	0.0061	±4.71

**LTE Band 26**

## Temperature Variations

Temperature Interval(°C)	Test Channel	Deviation (kHz)					Limit (kHz)
		1.4 M	3 M	5 M	10 M	15 M	
-30	Low	-0.0061	0.0053	0.0034	0.0032	0.0035	±2.09
-20	Low	-0.0049	0.0040	0.0048	0.0040	0.0023	±2.09
-10	Low	-0.0055	0.0058	0.0057	0.0039	0.0043	±2.09
0	Low	0.0054	0.0046	0.0061	0.0033	0.0047	±2.09
10	Low	0.0069	0.0065	0.0046	0.0051	0.0020	±2.09
20	Low	0.0046	0.0065	-0.0035	0.0043	0.0039	±2.09
30	Low	0.0052	0.0068	0.0046	0.0051	0.0043	±2.09
40	Low	0.0058	0.0072	0.0042	0.0052	0.0047	±2.09
50	Low	-0.0055	0.0067	0.0043	0.0042	0.0035	±2.09
-30	High	-0.0046	0.0050	0.0040	0.0034	-0.0032	±2.09
-20	High	-0.0078	0.0063	0.0028	0.0035	-0.0042	±2.09
-10	High	-0.0082	0.0066	0.0034	0.0048	-0.0020	±2.09
0	High	-0.0049	0.0075	0.0026	0.0055	-0.0020	±2.09
10	High	-0.0049	0.0036	0.0017	0.0031	0.0060	±2.09
20	High	-0.0053	0.0054	0.0047	0.0037	-0.0034	±2.09
30	High	-0.0063	0.0061	0.0055	0.0068	-0.0038	±2.09
40	High	-0.0057	0.0055	0.0048	0.0062	-0.0049	±2.09
50	High	-0.0051	0.0052	0.0042	0.0046	-0.0028	±2.09

## Voltage Variations

DC Voltage (V)	Test Channel	Deviation (kHz)					Limit (kHz)
		1.4 M	3 M	5 M	10 M	15 M	
4.35	Low	-0.0066	0.0058	0.0054	0.0055	0.0045	±2.09
3.8	Low	0.0046	0.0065	-0.0035	0.0043	0.0039	±2.09
3.6	Low	0.0052	0.0072	0.0061	0.0068	0.0058	±2.09
4.35	High	-0.0061	0.0061	0.0039	0.0042	-0.0047	±2.09
3.8	High	-0.0053	0.0054	0.0047	0.0037	-0.0034	±2.09
3.6	High	-0.0068	0.0051	0.0052	0.0047	-0.0049	±2.09

**LTE Band 41**

## Temperature Variations

Temperature Interval(°C)	Test Channel	Deviation (kHz)				Limit (kHz)
		5 M	10 M	15 M	20 M	
-30	Low	0.0102	-0.0140	-0.0089	0.0089	±6.48
-20	Low	0.0130	-0.0092	-0.0127	0.0090	±6.48
-10	Low	0.0146	0.0112	-0.0130	0.0104	±6.48
0	Low	0.0110	-0.0097	0.0077	0.0101	±6.48
10	Low	0.0112	0.0112	0.0110	0.0106	±6.48
20	Low	0.0108	0.0101	0.0089	0.0109	±6.48
30	Low	0.0116	0.0105	0.0096	0.0112	±6.48
40	Low	0.0118	0.0108	0.0103	0.0101	±6.48
50	Low	0.0119	-0.0096	0.0078	0.0098	±6.48
-30	High	0.0120	0.0100	-0.0124	0.0098	±6.48
-20	High	0.0151	-0.0132	-0.0128	0.0081	±6.48
-10	High	0.0114	0.0079	0.0097	0.0079	±6.48
0	High	0.0119	0.0092	0.0083	0.0077	±6.48
10	High	0.0103	0.0106	0.0104	0.0110	±6.48
20	High	0.0125	0.0115	0.0096	0.0132	±6.48
30	High	0.0136	0.0132	0.0101	0.0125	±6.48
40	High	0.0129	0.0127	0.0098	0.0121	±6.48
50	High	0.0138	0.0112	-0.0084	0.0112	±6.48

## Voltage Variations

DC Voltage (V)	Test Channel	Deviation (kHz)				Limit (kHz)
		5 M	10 M	15 M	20 M	
4.35	Low	0.0112	0.0108	0.0095	0.0113	±6.48
3.8	Low	0.0108	0.0101	0.0089	0.0109	±6.48
3.6	Low	0.0105	0.0102	0.0850	0.0122	±6.48
4.35	High	0.0132	0.0124	0.0102	0.0142	±6.48
3.8	High	0.0125	0.0115	0.0096	0.0132	±6.48
3.6	High	0.0114	0.0111	0.0099	0.0138	±6.48

**LTE Band 66**

Temperature Variations

Temperature Interval(°C)	Test Channel	Deviation (kHz)						Limit (kHz)
		1.4 M	3 M	5 M	10 M	15 M	20 M	
-30	Low	0.0086	0.0081	0.0085	-0.0064	0.0046	0.0054	±4.28
-20	Low	0.0097	0.0082	0.0098	-0.0056	0.0052	0.0040	±4.28
-10	Low	0.0094	0.0073	0.0060	0.0054	0.0043	0.0060	±4.28
0	Low	-0.0113	0.0075	0.0051	0.0056	0.0063	0.0062	±4.28
10	Low	-0.0117	0.0074	0.0074	0.0070	0.0037	0.0037	±4.28
20	Low	-0.0076	0.0068	0.0058	0.0063	0.0036	0.0048	±4.28
30	Low	-0.0081	0.0061	0.0061	0.0068	0.0047	0.0057	±4.28
40	Low	-0.0091	0.0058	0.0068	0.0077	0.0052	0.0069	±4.28
50	Low	-0.0093	0.0067	0.0077	-0.0060	0.0046	0.0062	±4.28
-30	High	-0.0096	0.0090	0.0068	-0.0056	0.0060	-0.0060	±4.28
-20	High	-0.0084	0.0102	0.0075	-0.0076	0.0072	-0.0070	±4.28
-10	High	-0.0084	0.0096	0.0080	0.0076	0.0040	-0.0048	±4.28
0	High	0.0074	0.0098	0.0074	0.0076	0.0039	-0.0048	±4.28
10	High	0.0092	0.0072	0.0072	0.0043	0.0054	-0.0081	±4.28
20	High	0.0074	0.0076	0.0051	0.0052	0.0039	-0.0039	±4.28
30	High	0.0078	0.0079	0.0053	0.0055	0.0041	0.0048	±4.28
40	High	-0.0088	0.0068	0.0061	0.0062	0.0061	0.0064	±4.28
50	High	-0.0096	0.0080	0.0056	-0.0050	0.0058	0.0067	±4.28

Voltage Variations

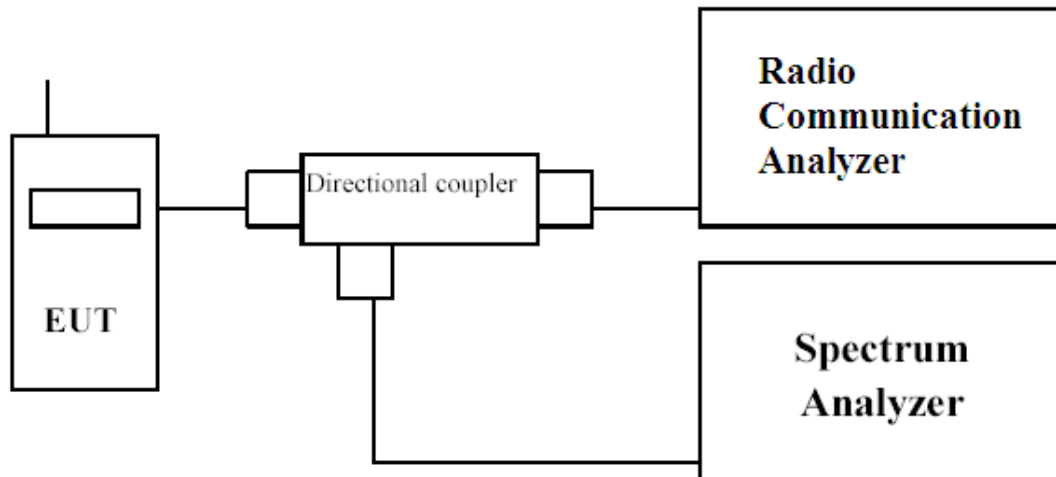
DC Voltage (V)	Test Channel	Deviation (kHz)						Limit (kHz)
		1.4 M	3 M	5 M	10 M	15 M	20 M	
4.35	Low	0.0081	0.0077	0.0053	0.0068	0.0039	0.0062	±4.28
3.8	Low	-0.0076	0.0068	0.0058	0.0063	0.0036	0.0048	±4.28
3.6	Low	0.0069	0.0062	0.0068	0.0062	0.0047	0.0063	±4.28
4.35	High	0.0064	0.0062	0.0077	0.0072	0.0042	0.0046	±4.28
3.8	High	0.0074	0.0076	0.0051	0.0052	0.0039	-0.0039	±4.28
3.6	High	0.0053	0.0058	0.0056	0.0054	0.0051	0.0048	±4.28

## 8. Peak to Average Ratio

### 8.1 Test Specification

According to Part 22.913, 24.232, 27.50, RSS-GEN, RSS-130, RSS-132, RSS-133, RSS-139, RSS-199.

### 8.2 Test Setup



### 8.3 Limits

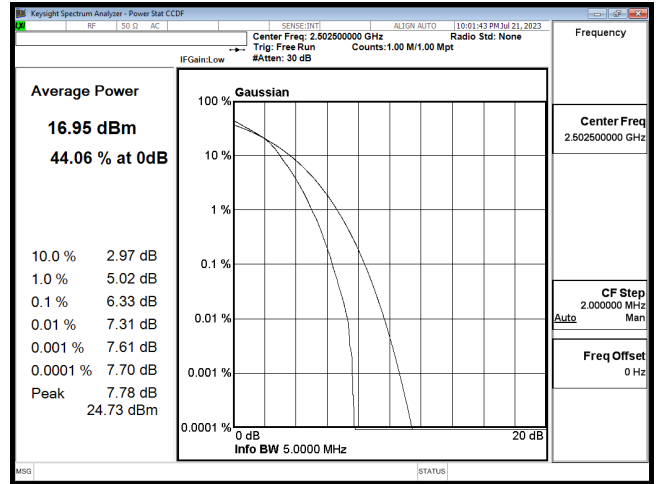
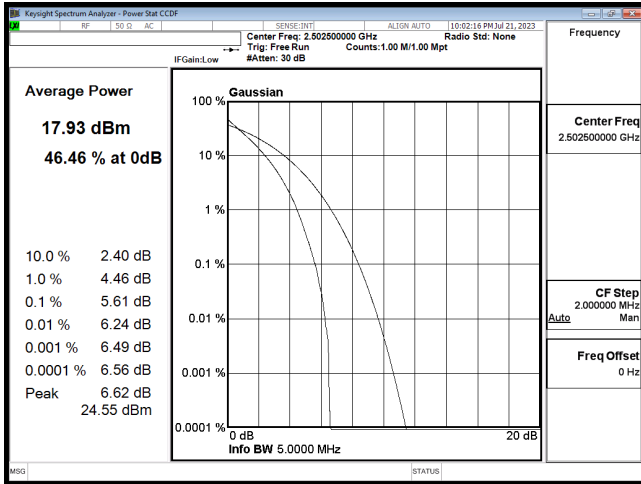
The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure.

### 8.4 Test Procedure

- a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- b) Set resolution/measurement bandwidth  $\geq$  signal's occupied bandwidth;
- c) Set the number of counts to a value that stabilizes the measured CCDF curve;
- d) Set the measurement interval as follows:
  - 1) for continuous transmissions, set to 1 ms,
  - 2) for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
- e) Record the maximum PAPR level associated with a probability of 0.1 %.

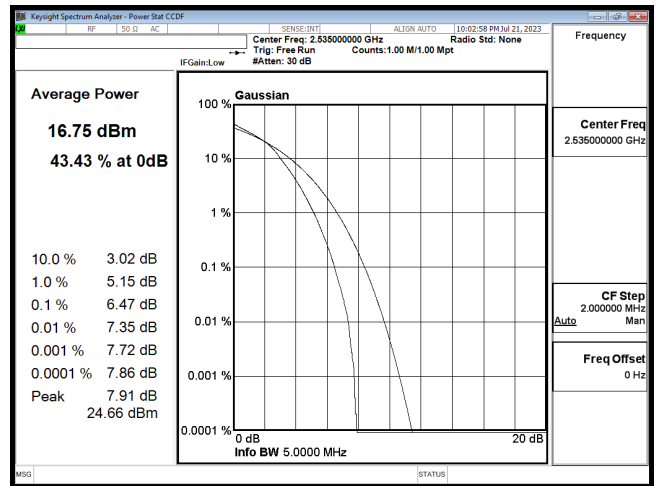
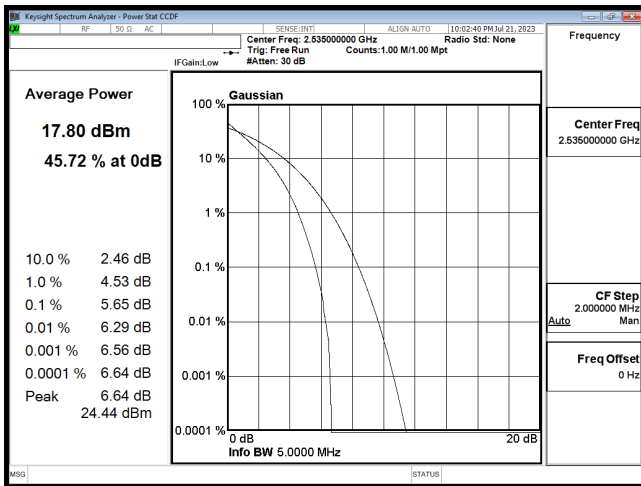
### 8.5 Test Result of Peak to Average Ratio

#### LTE Band 7



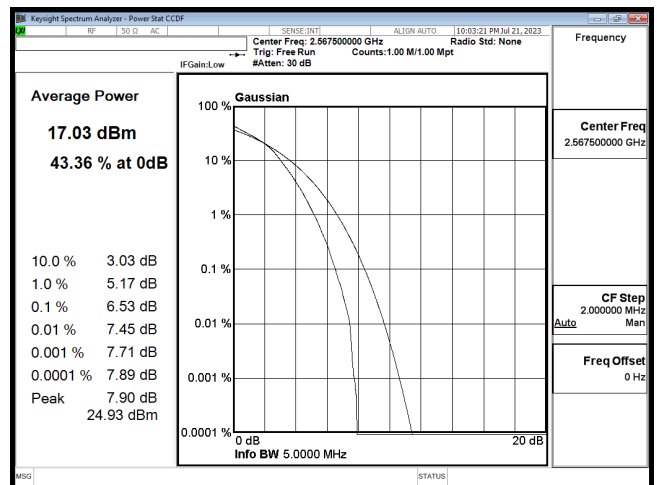
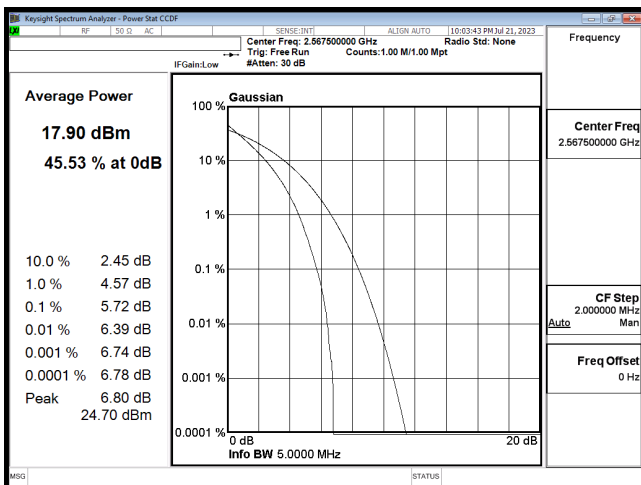
PTAR B7 5M CH20775 QPSK

PTAR B7 5M CH20775 16QAM



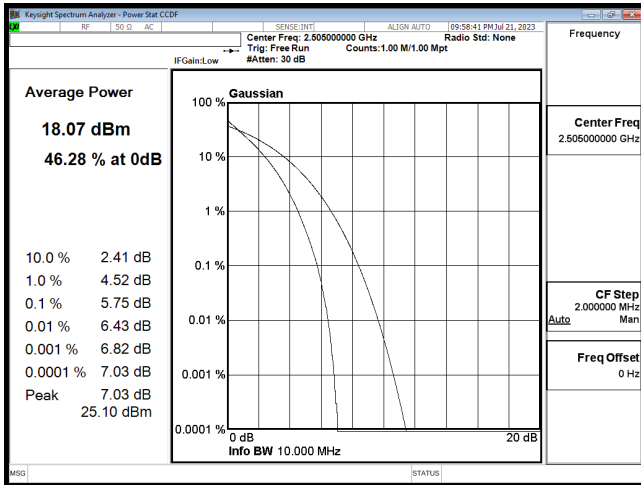
PTAR B7 5M CH21100 QPSK

PTAR B7 5M CH21100 16QAM

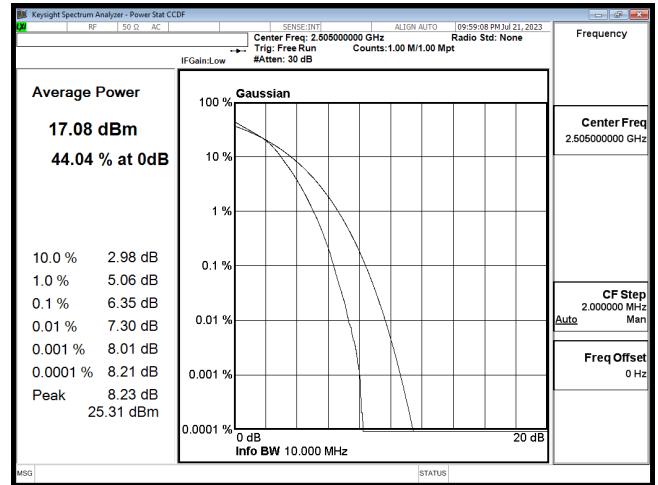


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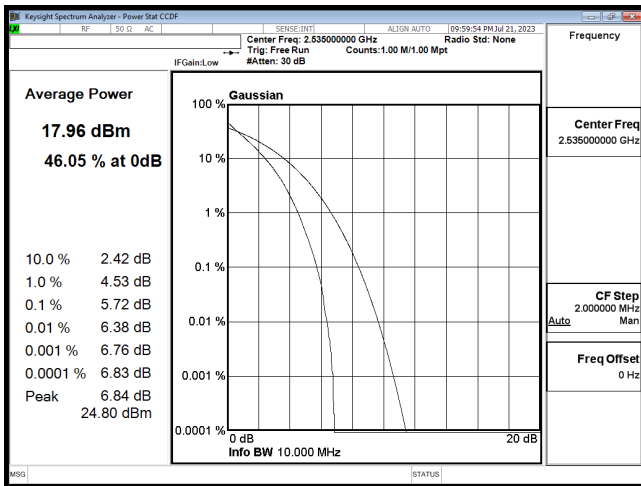
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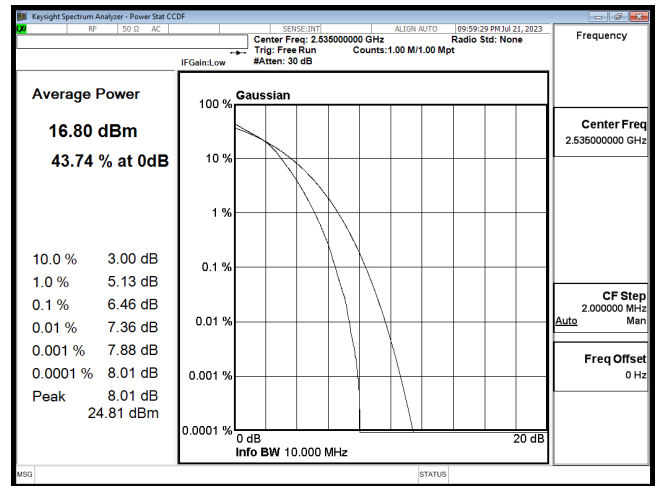
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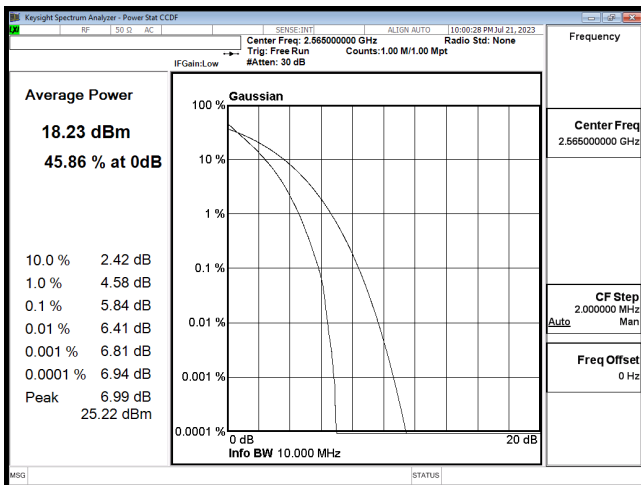
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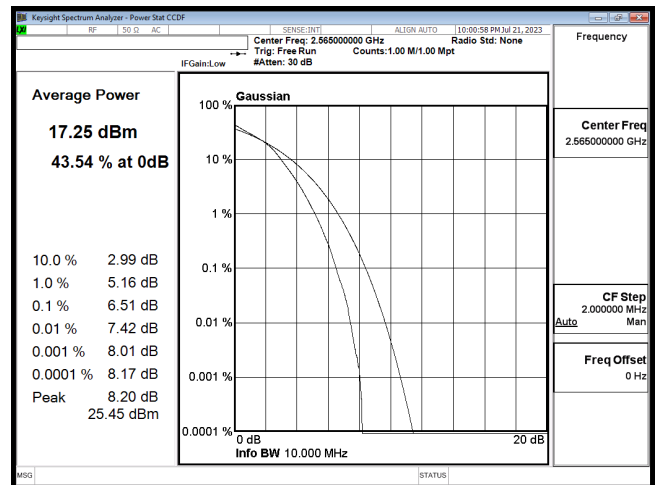
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PTAR B7 10M CH21100 16QAM

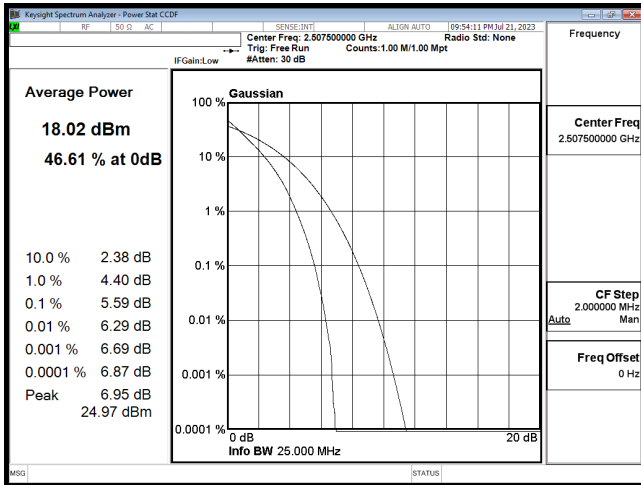


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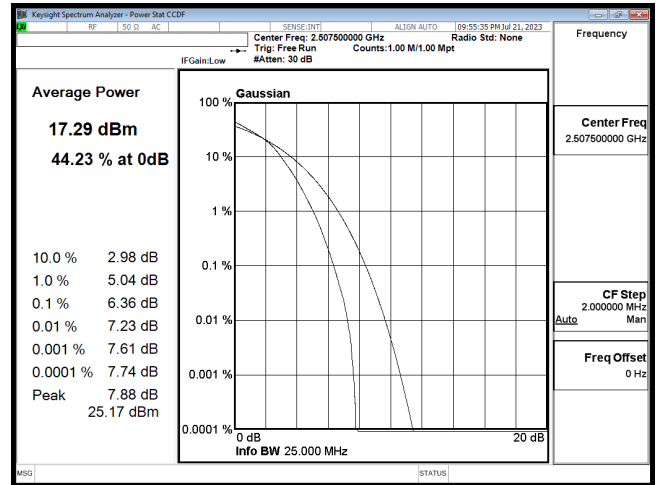


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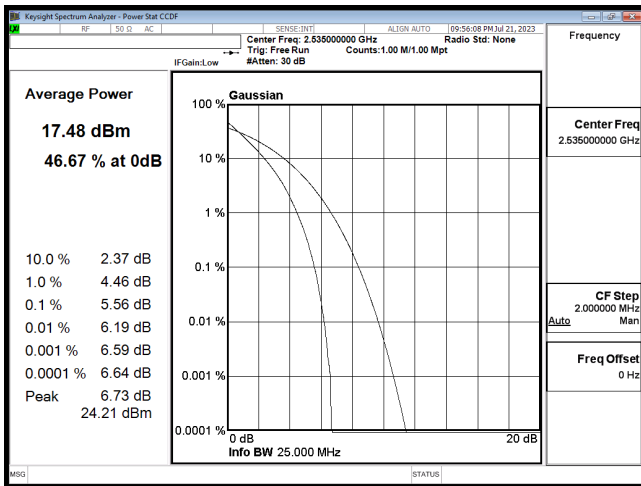




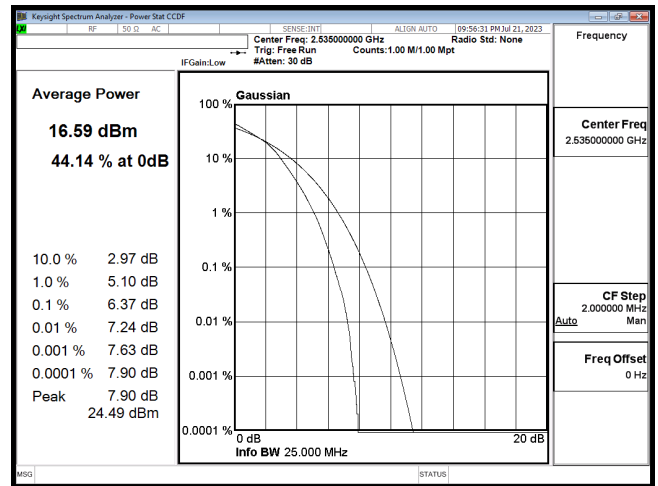
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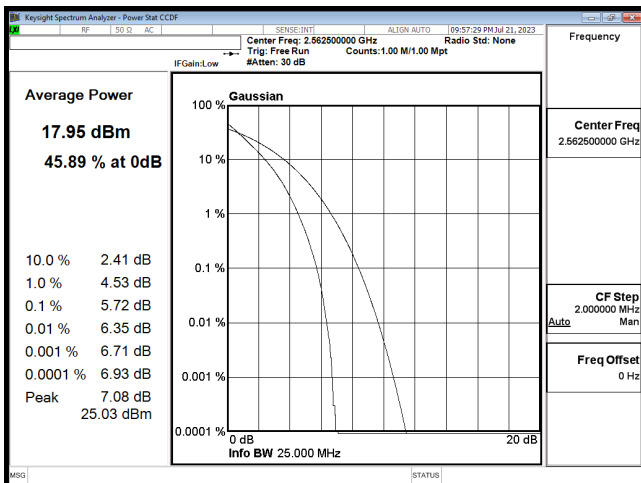
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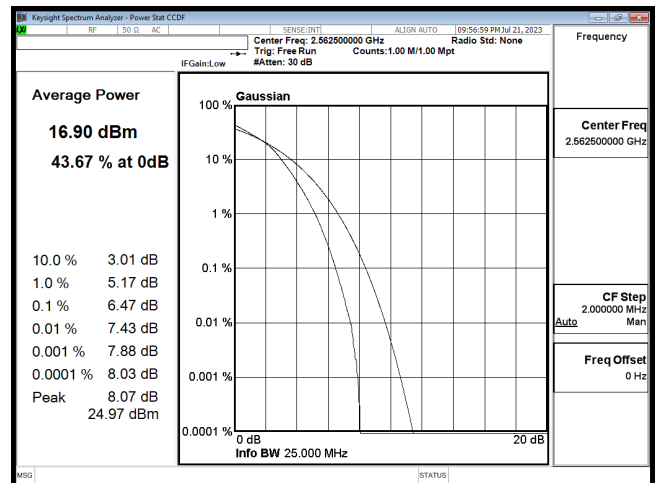
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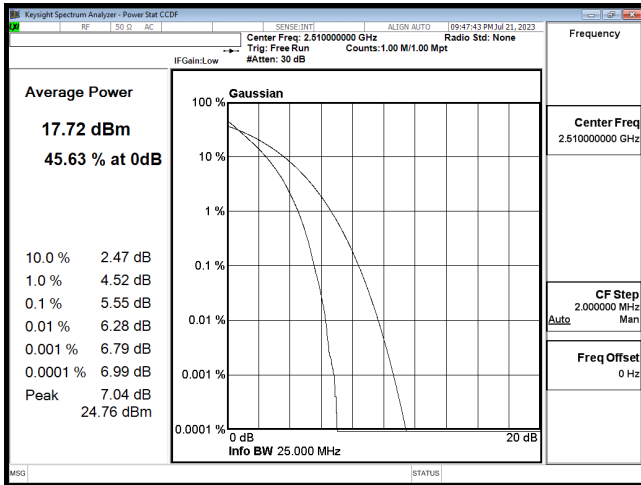
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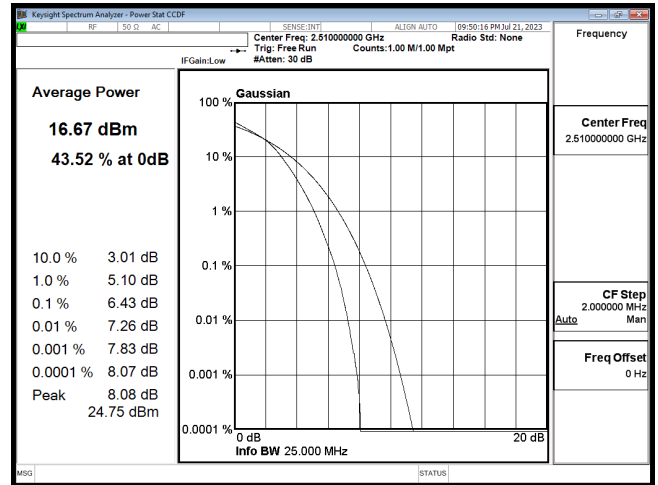
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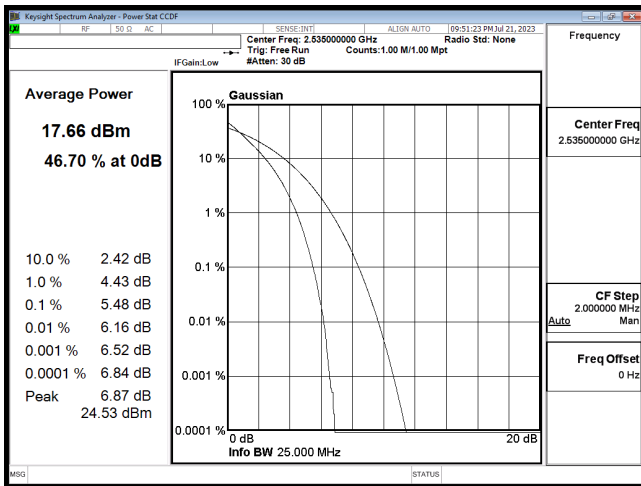
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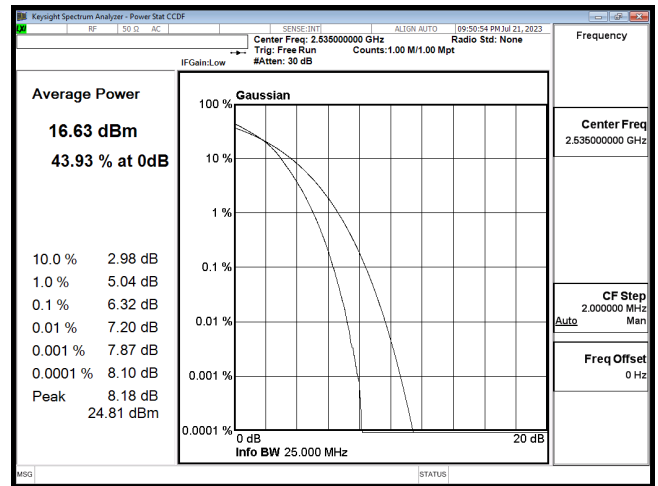
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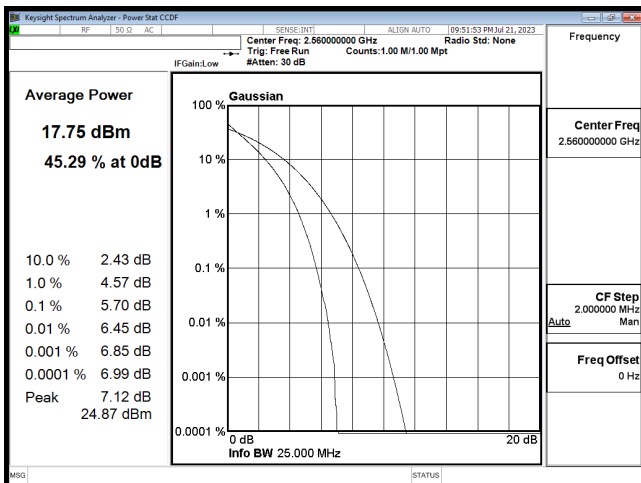
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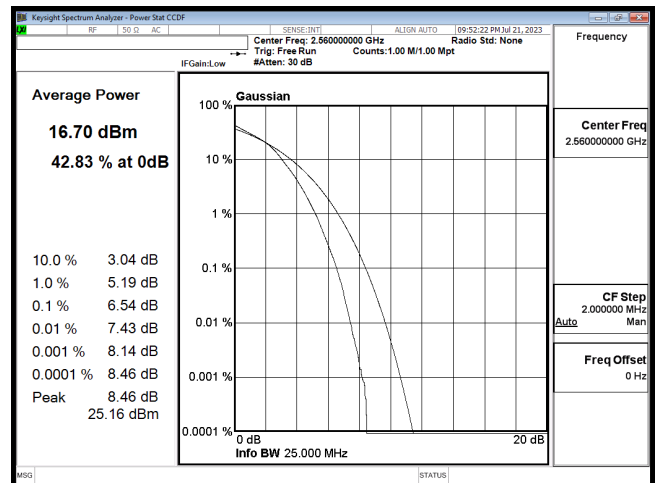
PTAR B7 20M CH21100 QPSK



PTAR B7 20M CH21100 16QAM

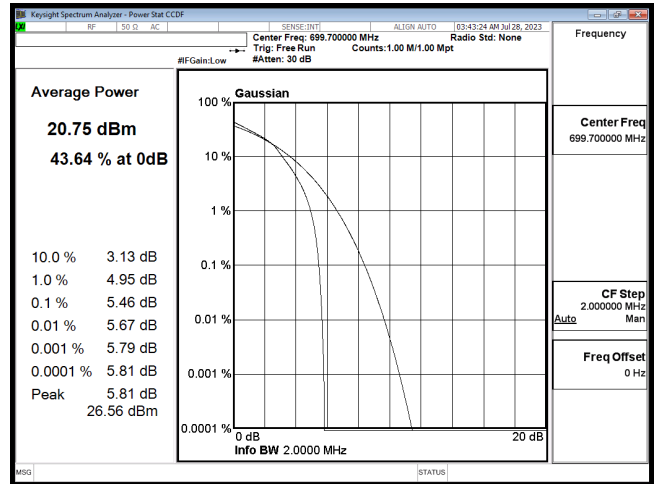
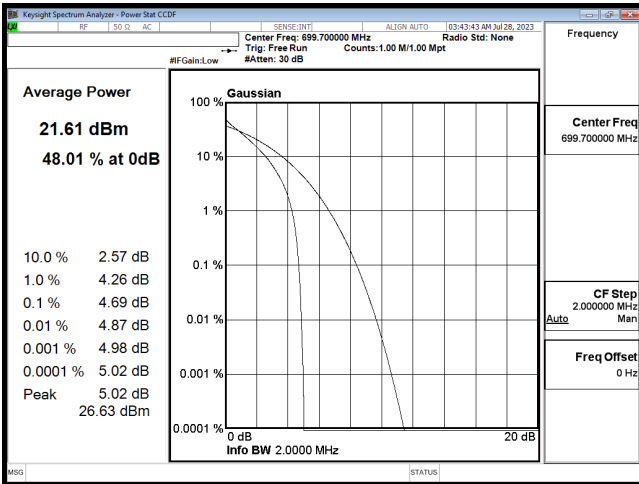


PTAR B7 20M CH21350 QPSK



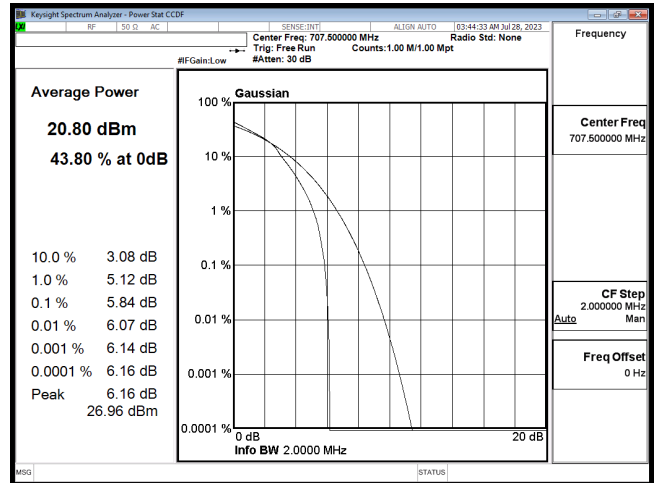
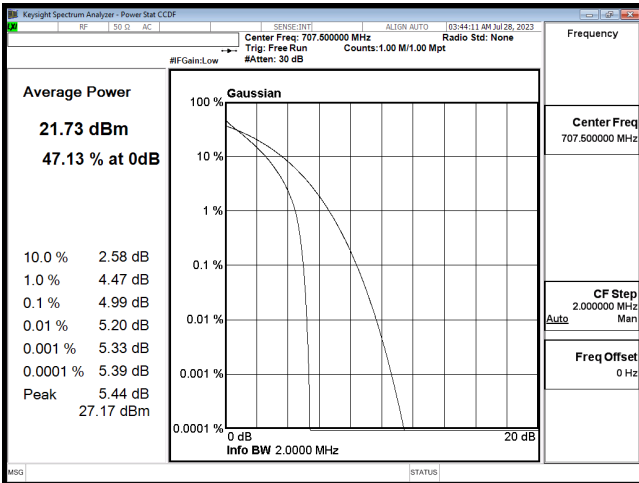
PTAR B7 20M CH21350 16QAM

**LTE Band 12**



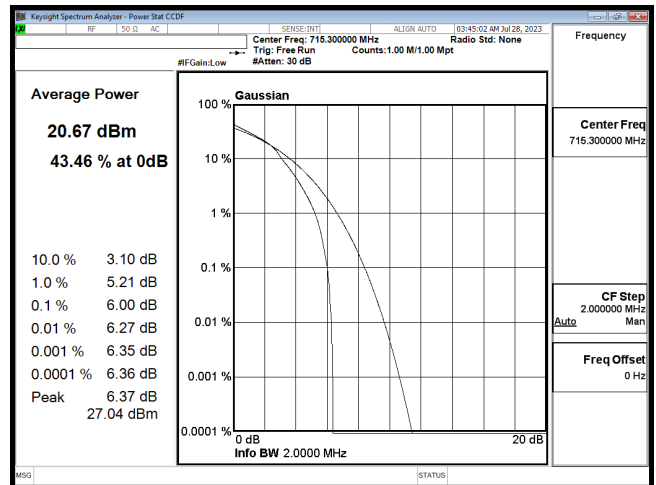
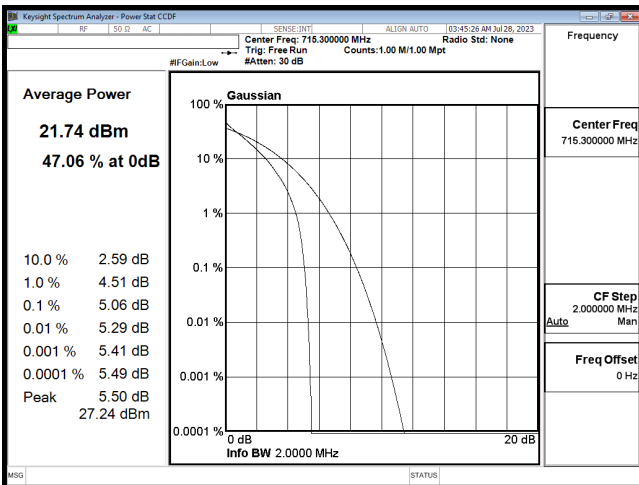
**PTAR B12 1.4M CH23017 QPSK**

**PTAR B12 1.4M CH23017 16QAM**



**PTAR B12 1.4M CH23095 QPSK**

**PTAR B12 1.4M CH23095 16QAM**



**PTAR B12 1.4M CH23173 QPSK**

**PTAR B12 1.4M CH23173 16QAM**