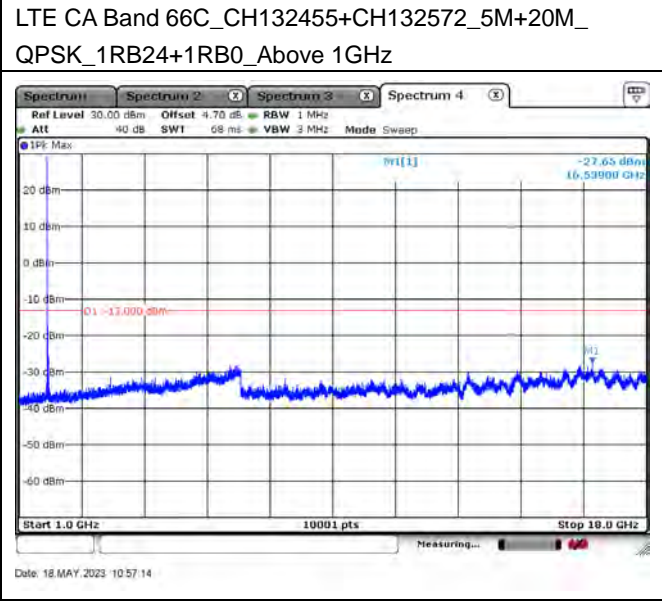
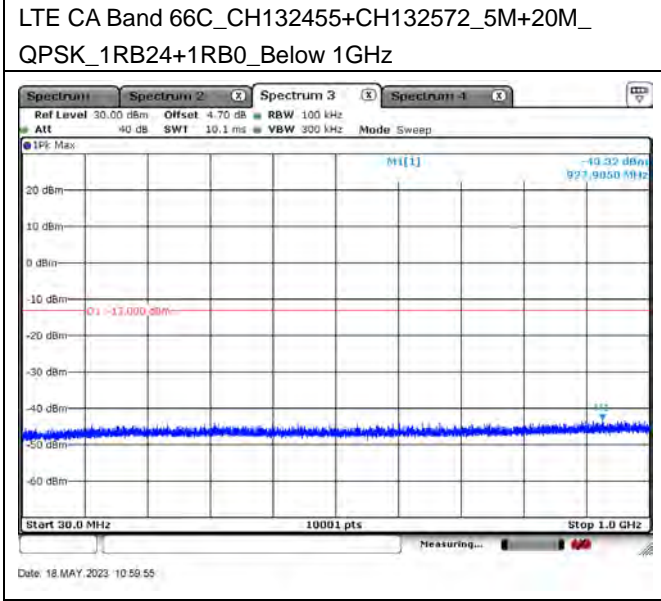
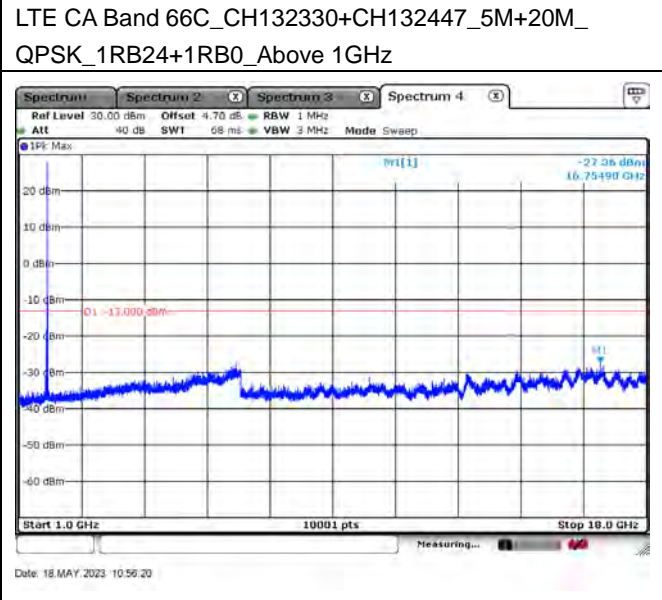
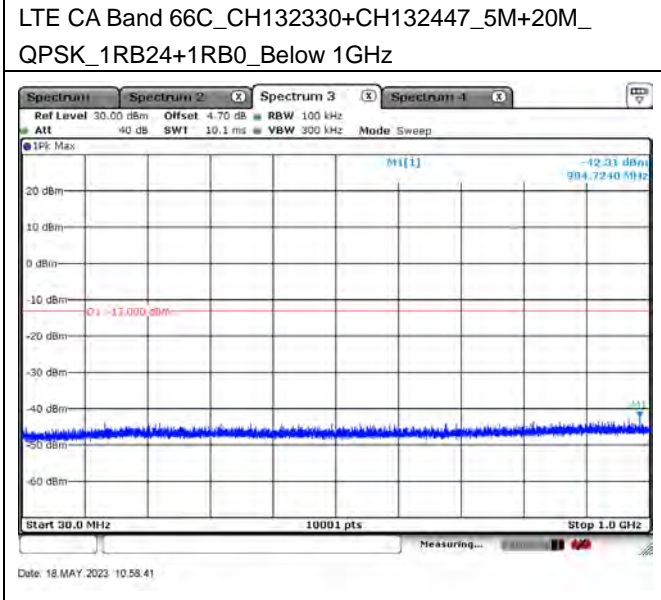
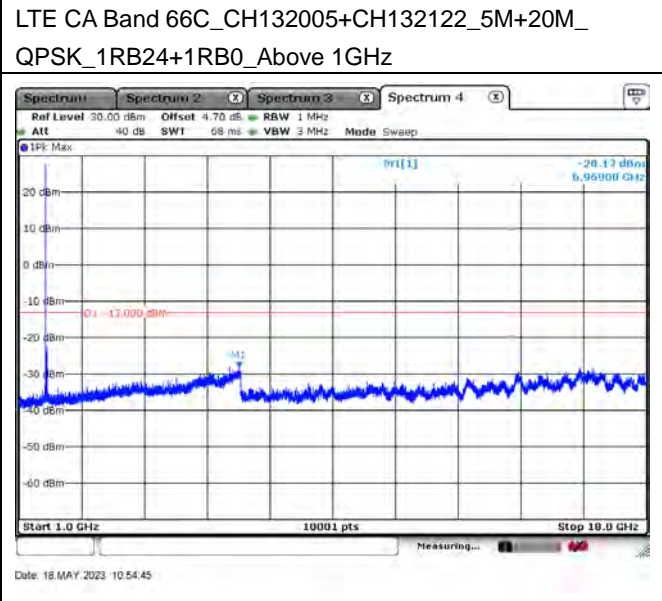
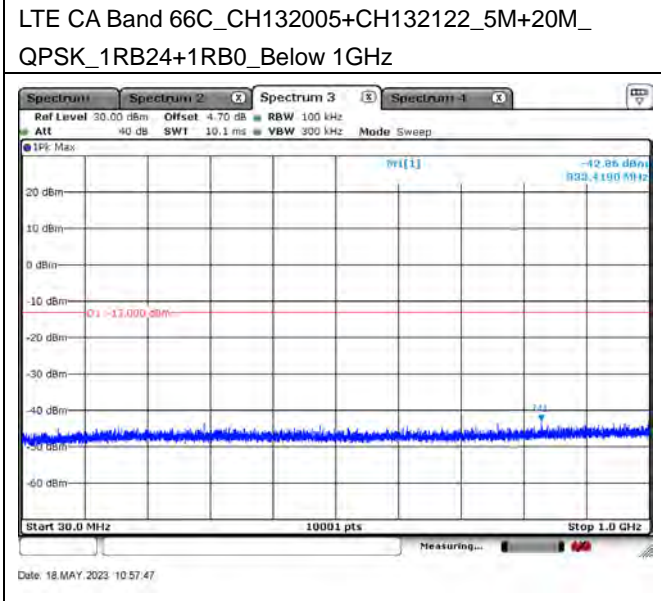
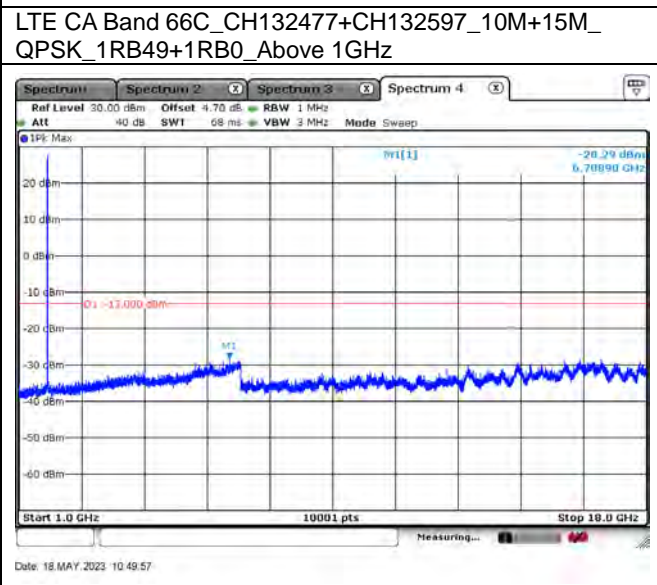
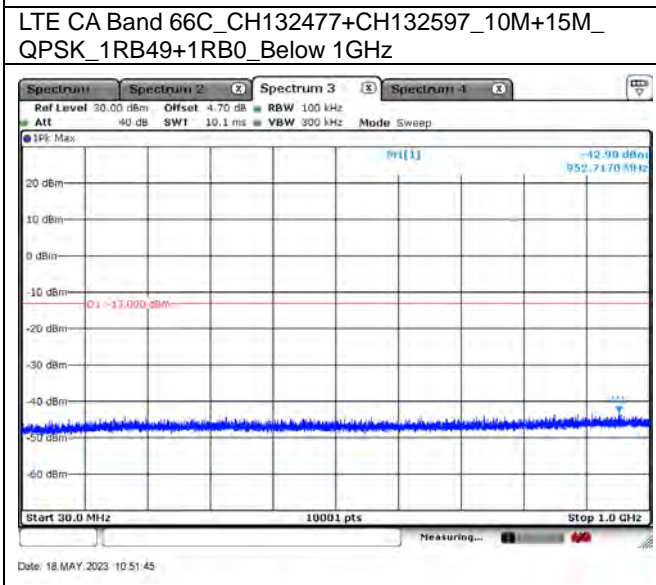
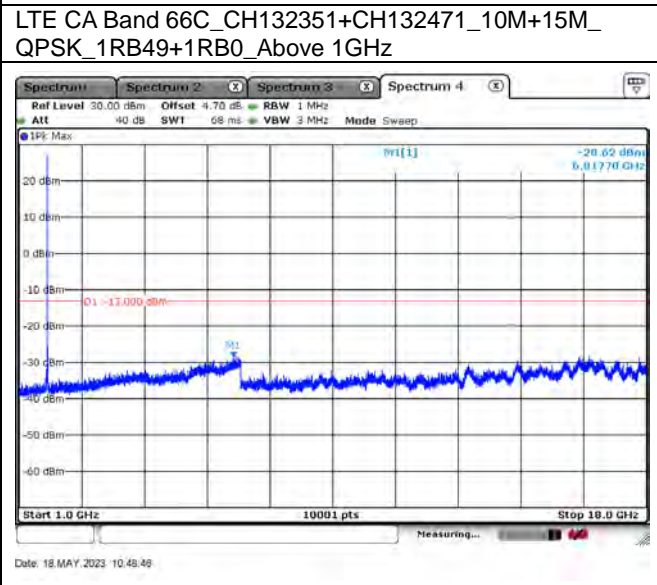
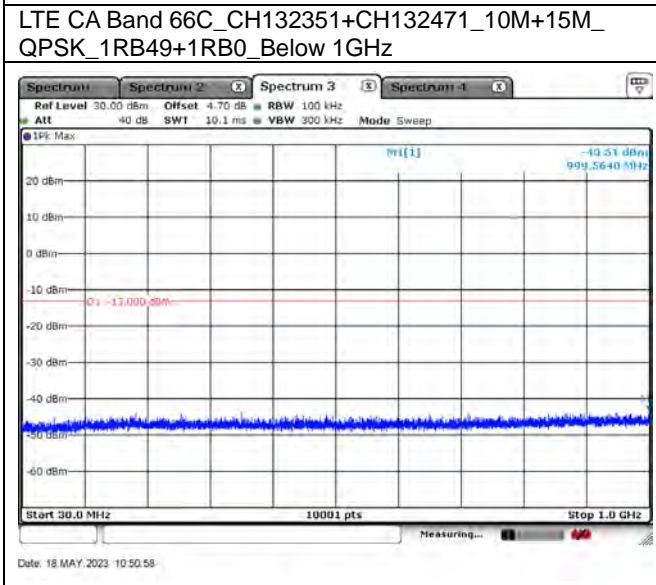
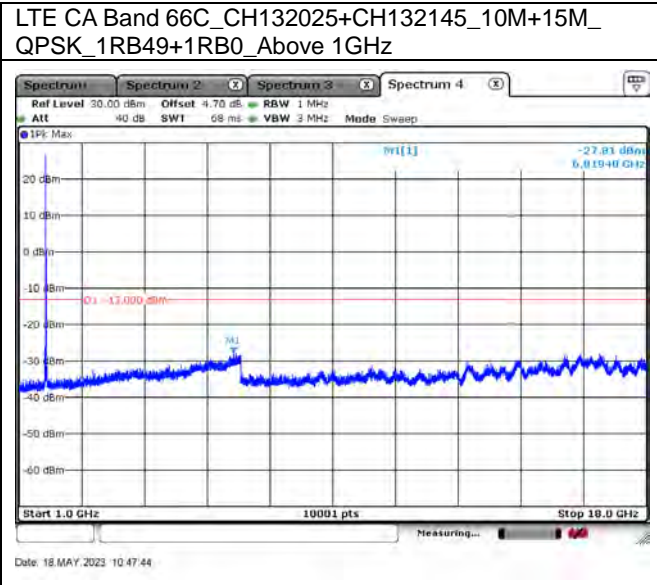
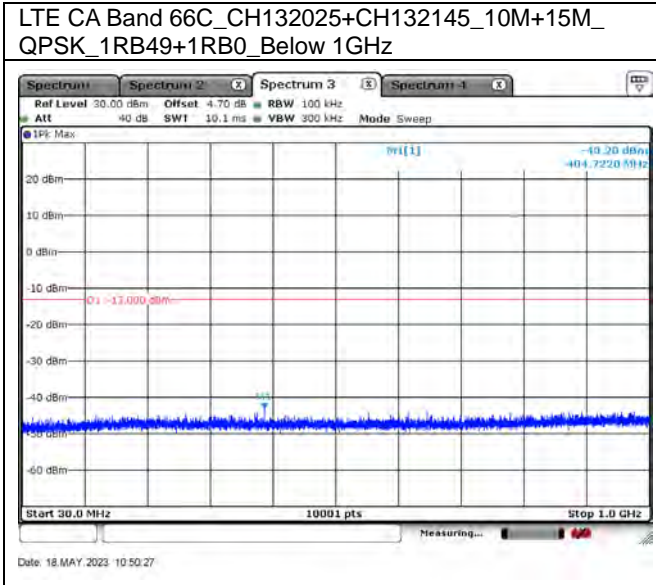
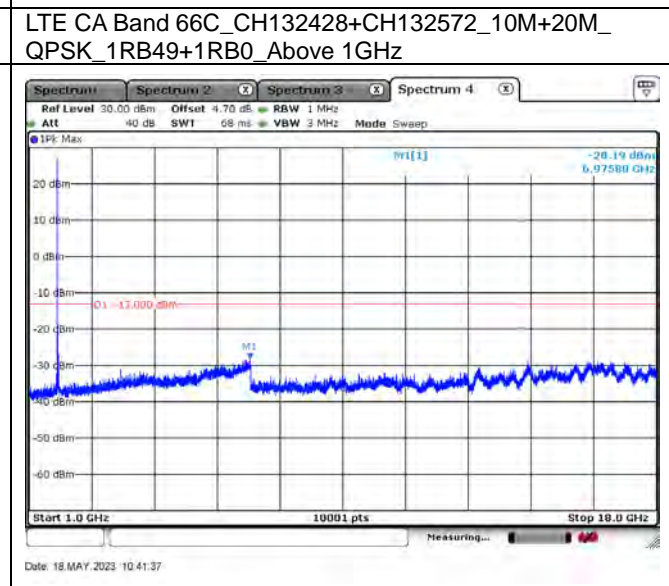
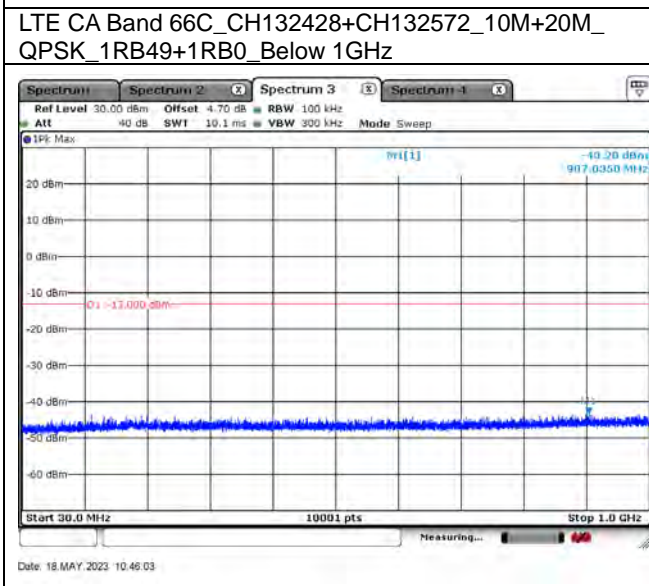
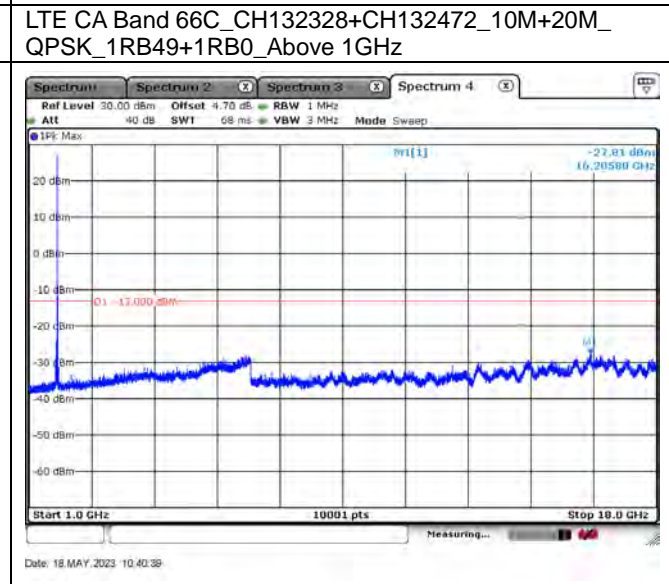
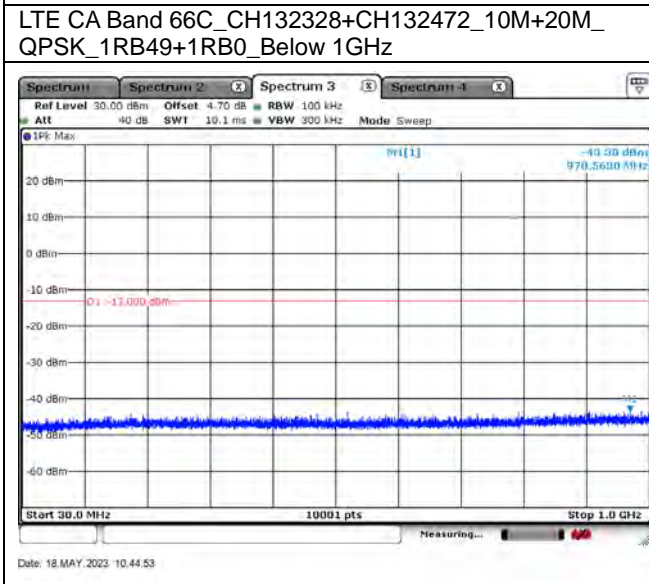
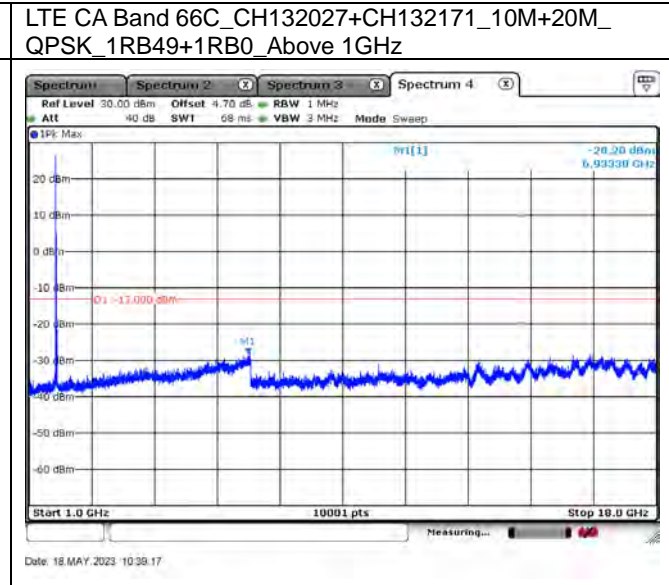
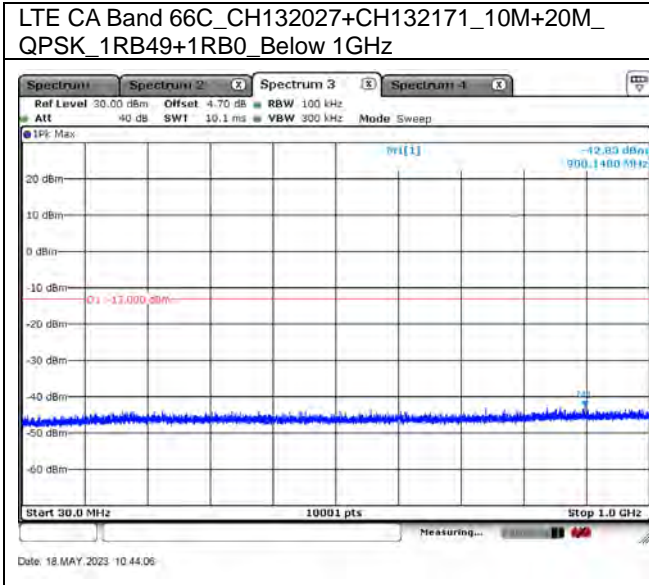


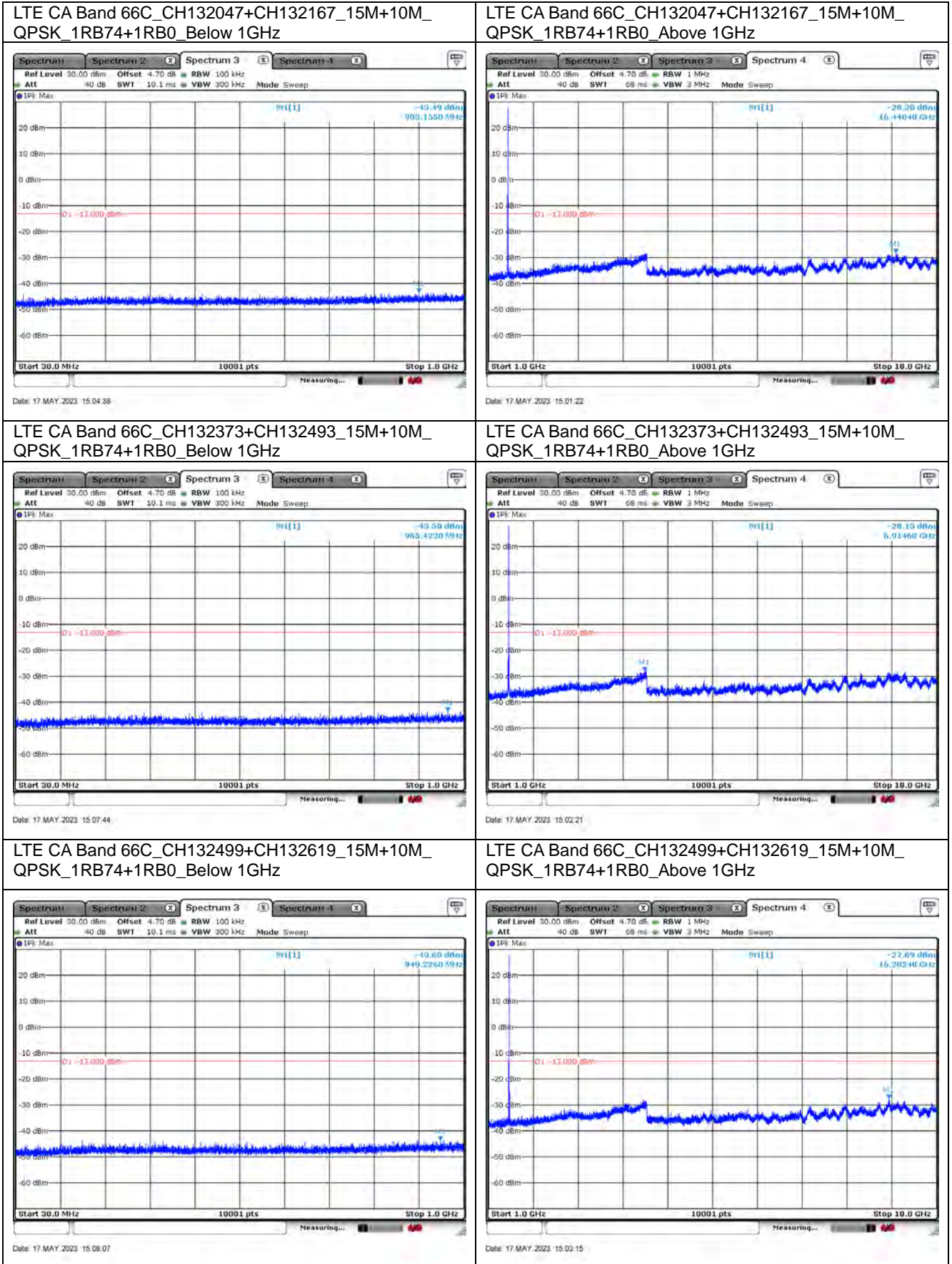
**Mode 15: LTE CA Band 66C**

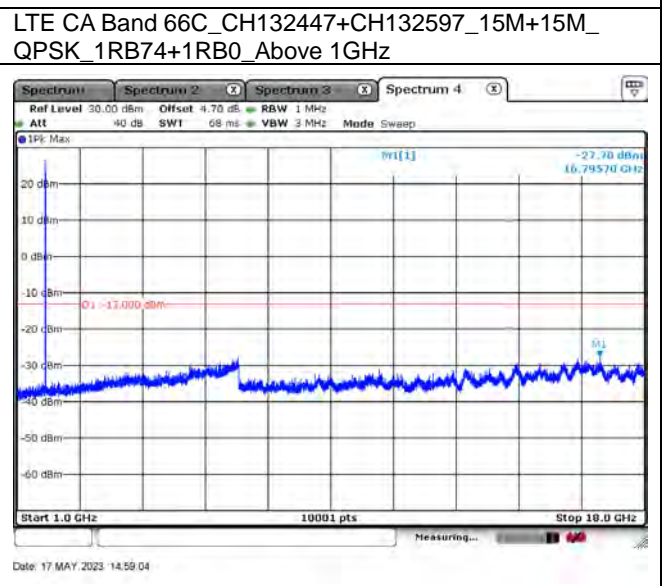
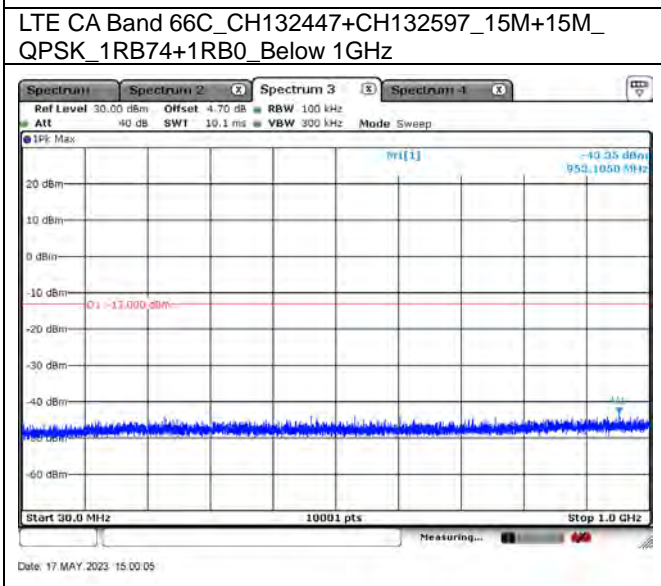
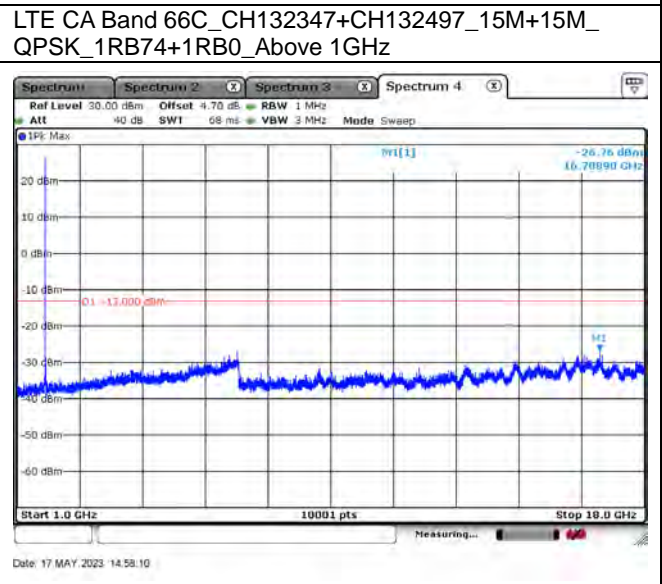
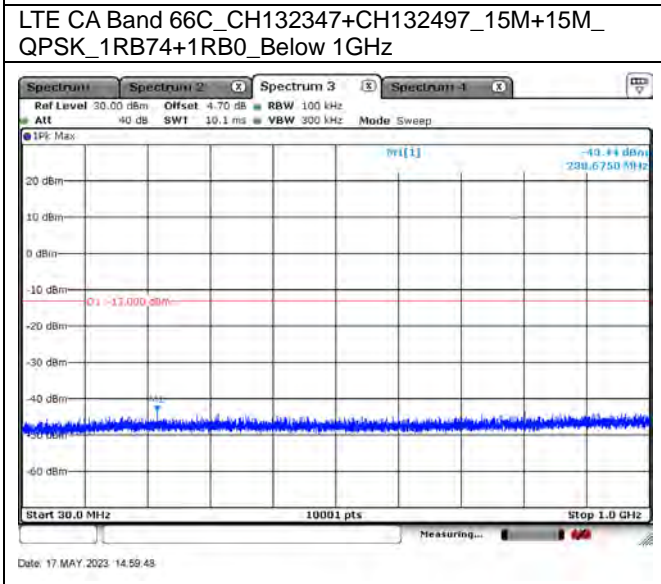
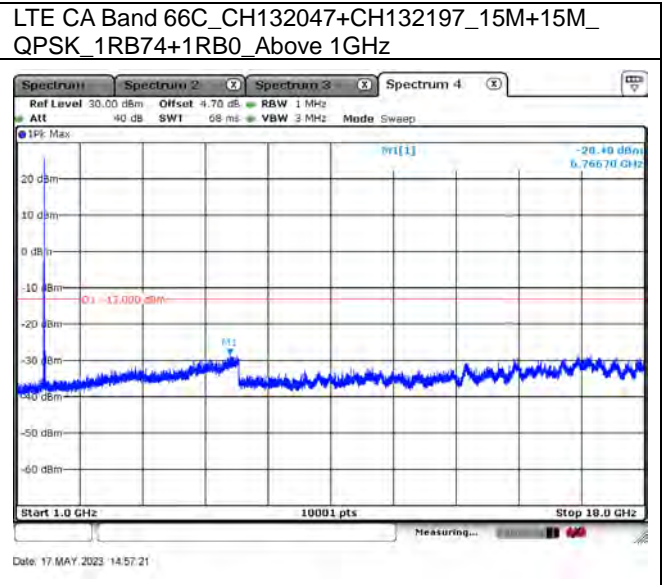
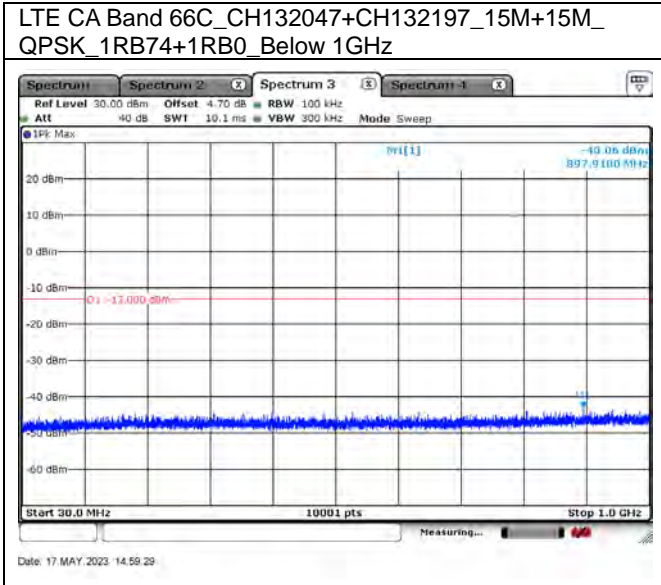


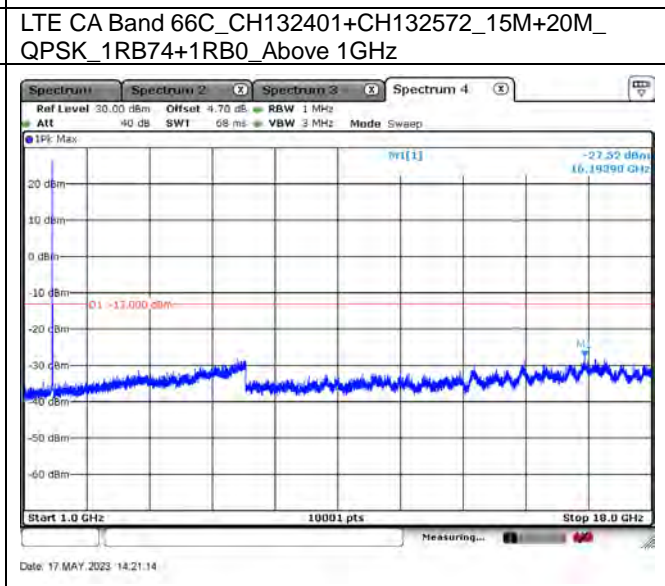
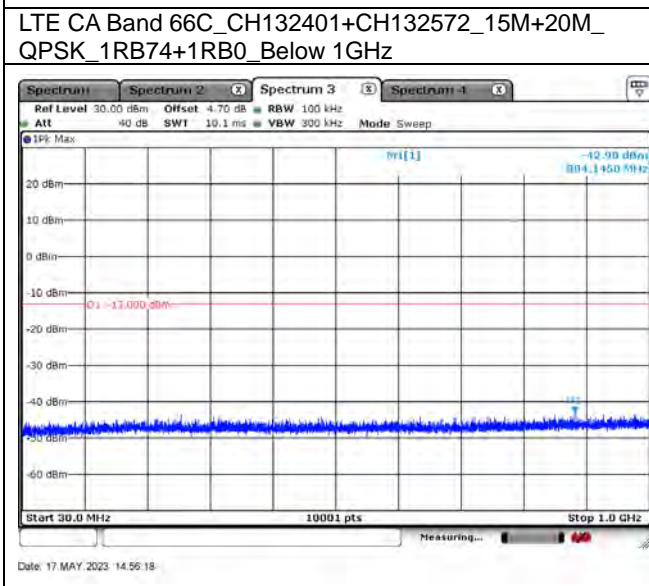
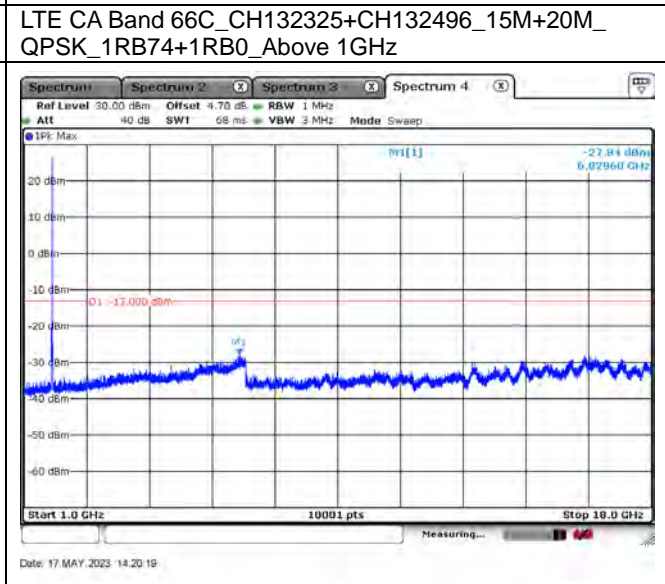
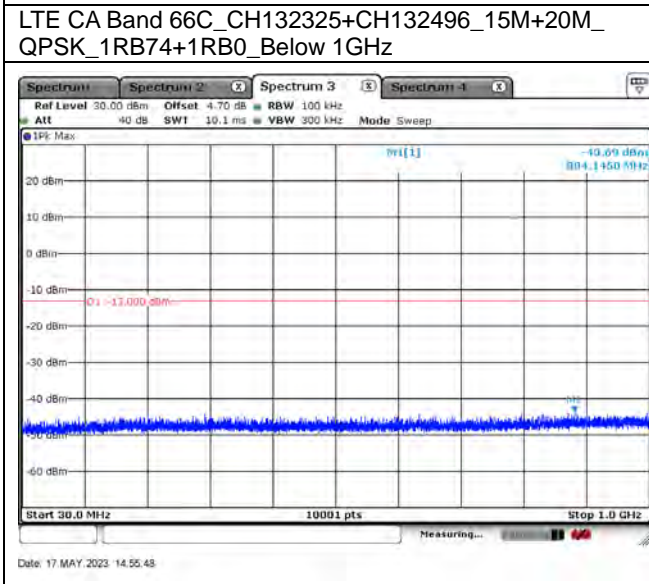
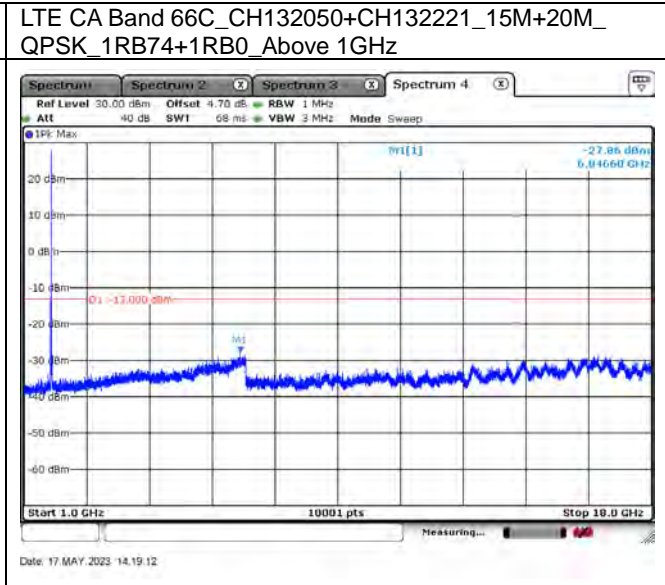
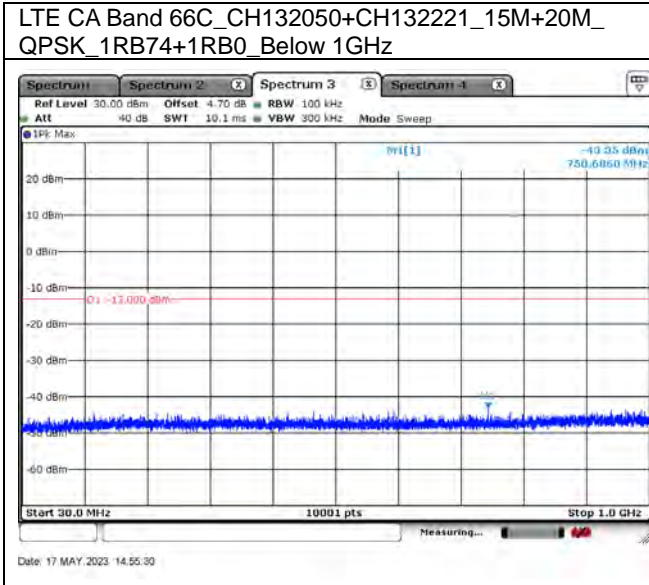


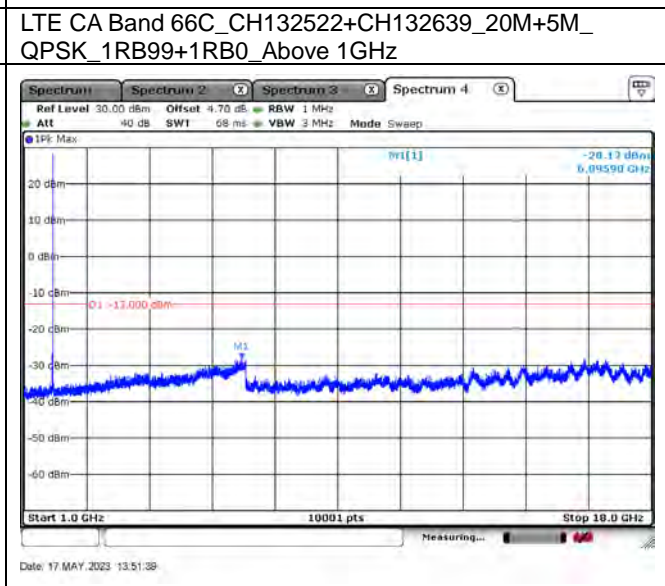
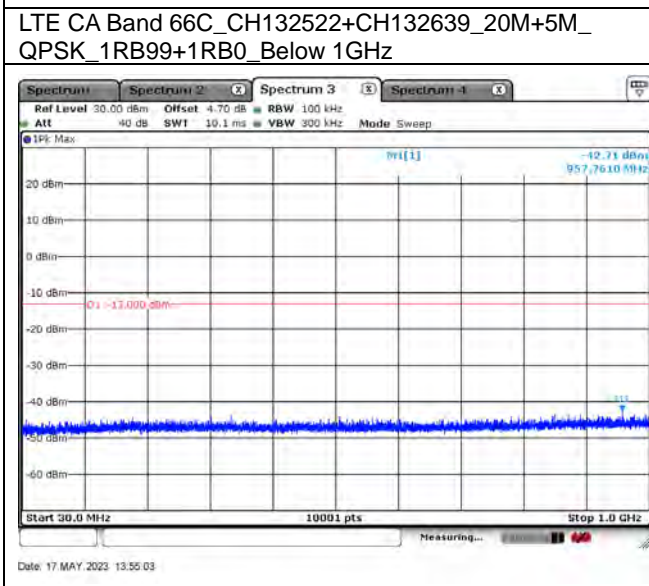
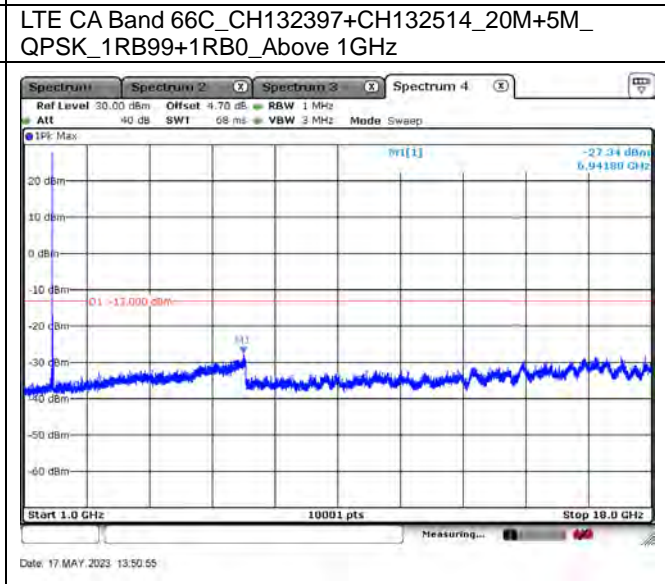
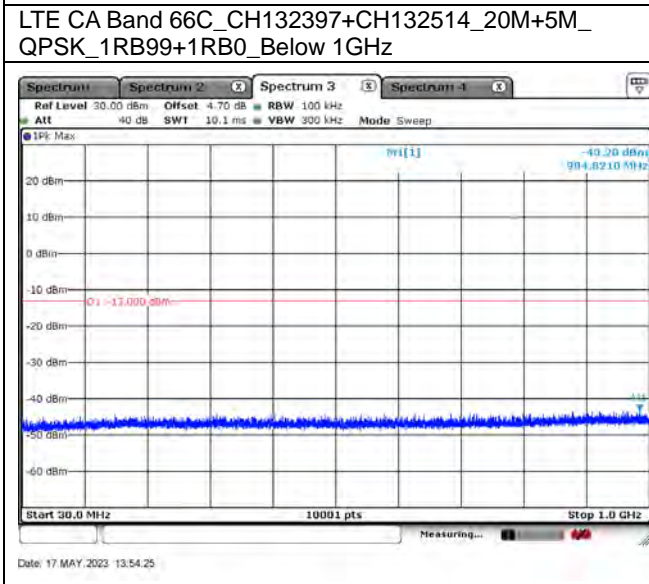
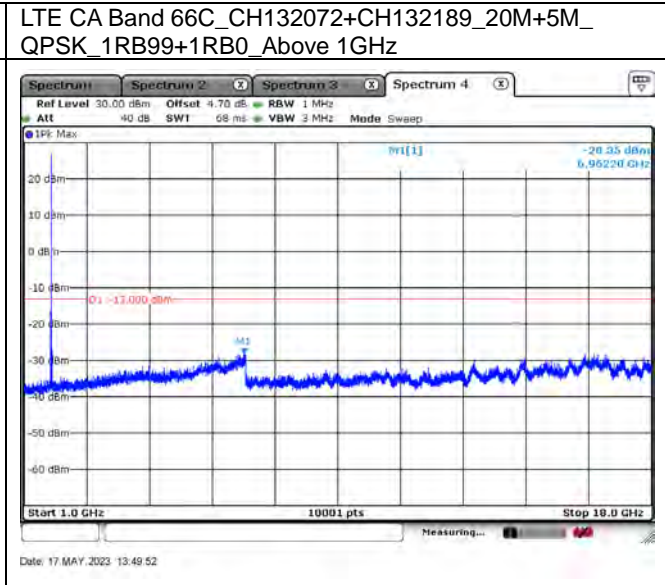
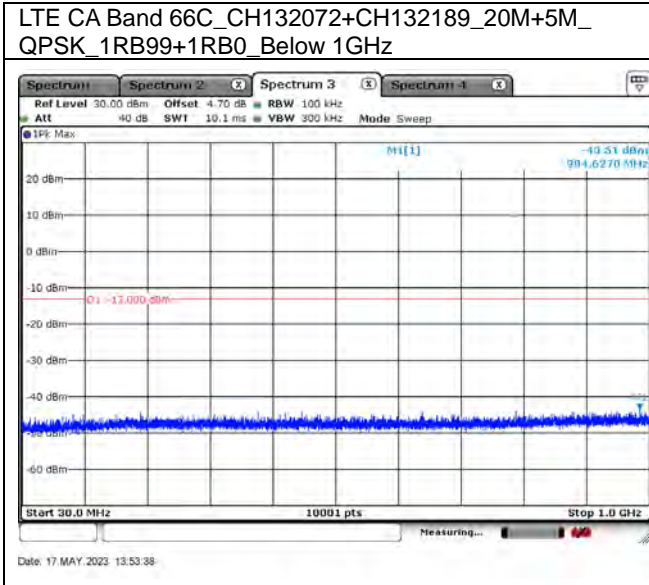


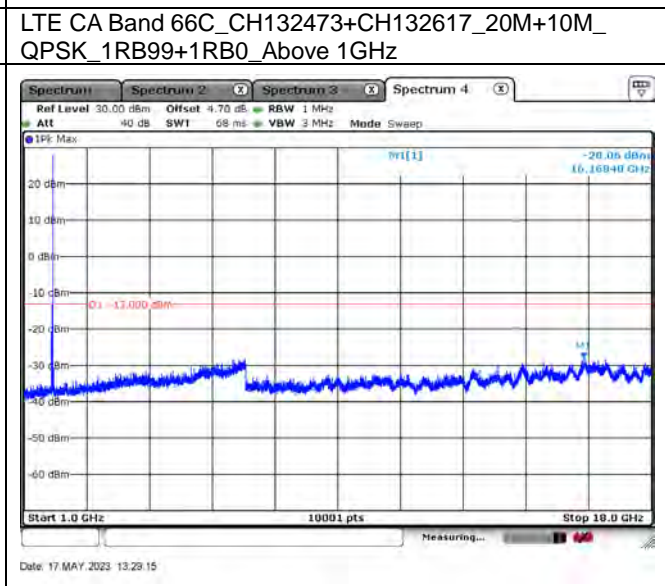
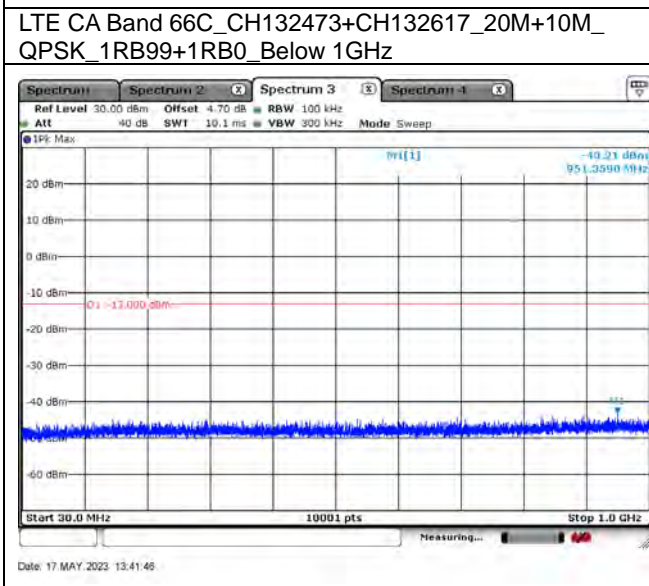
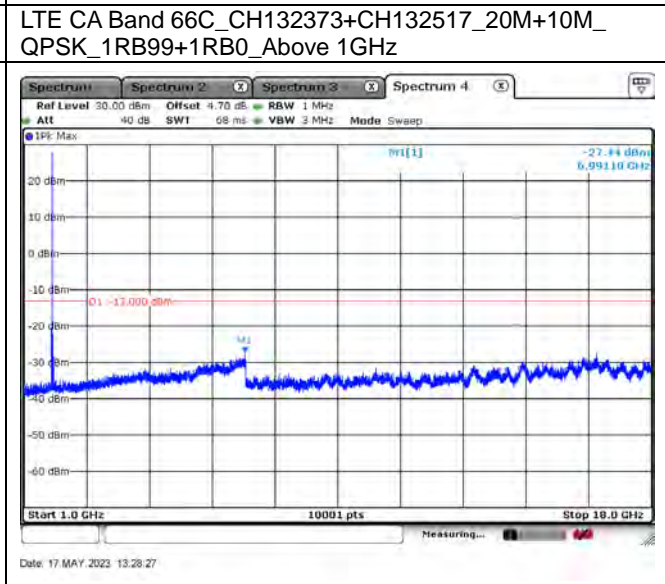
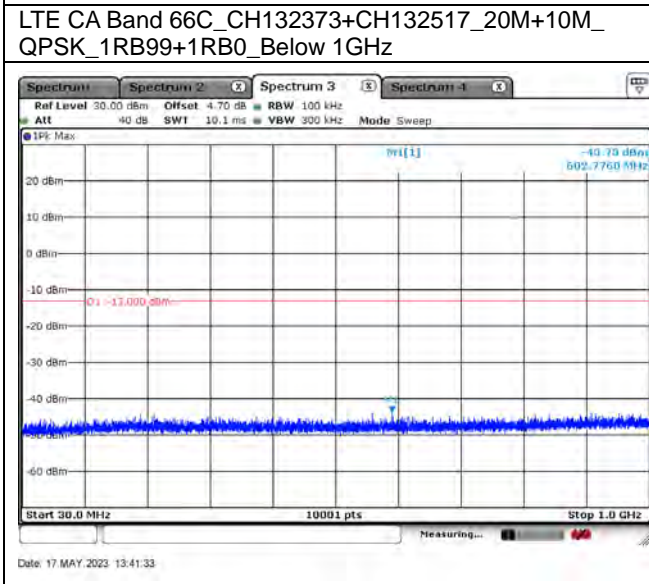
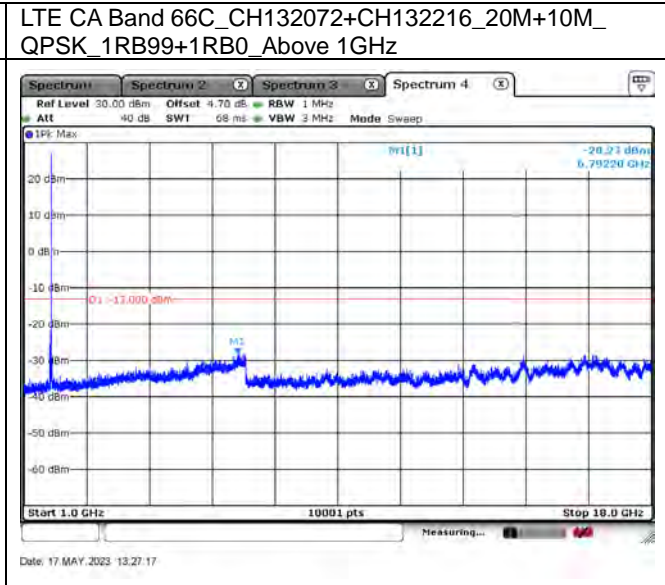
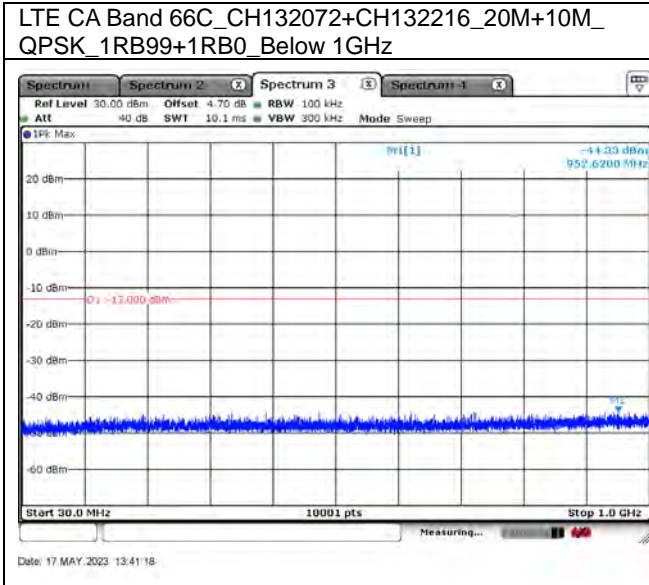


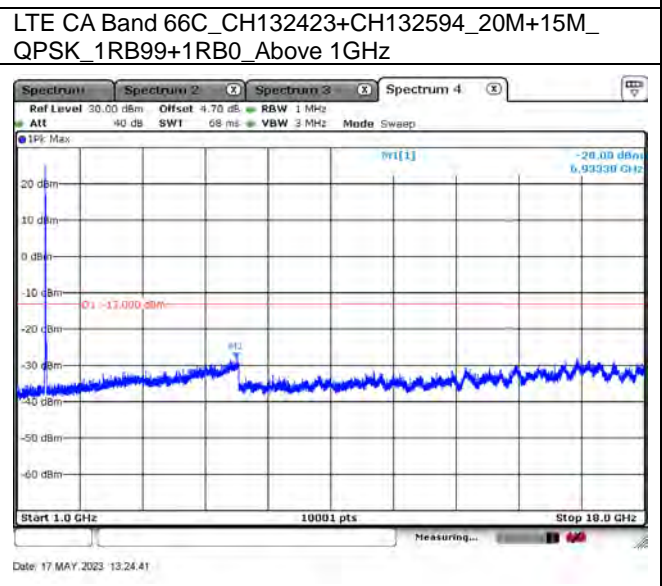
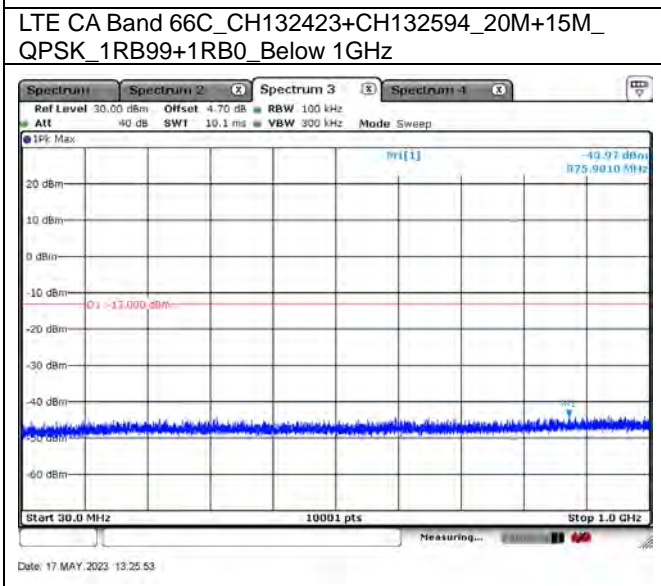
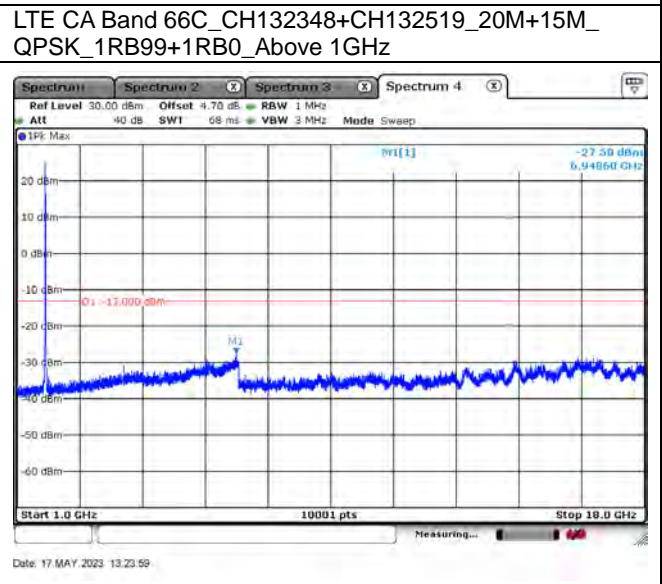
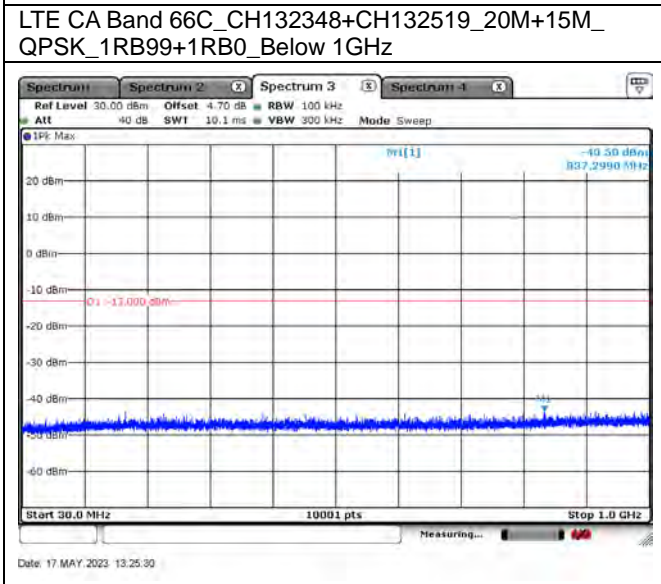
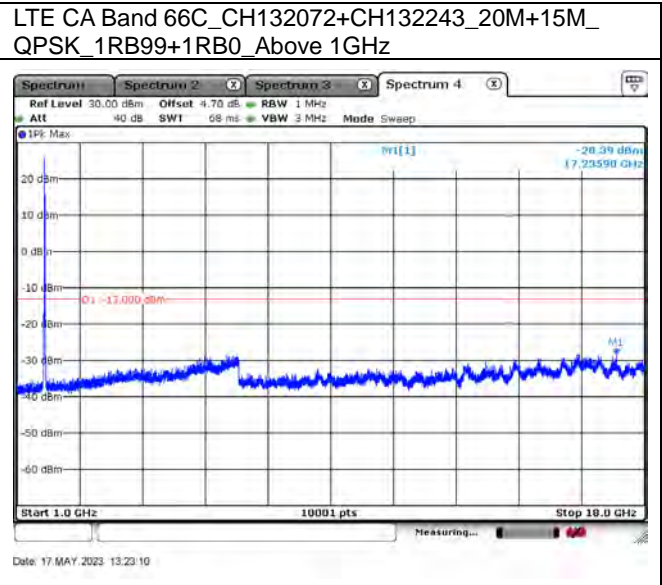
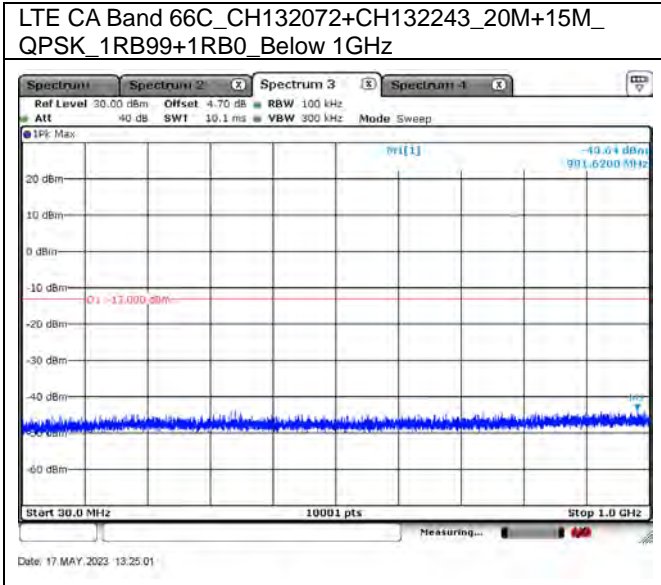


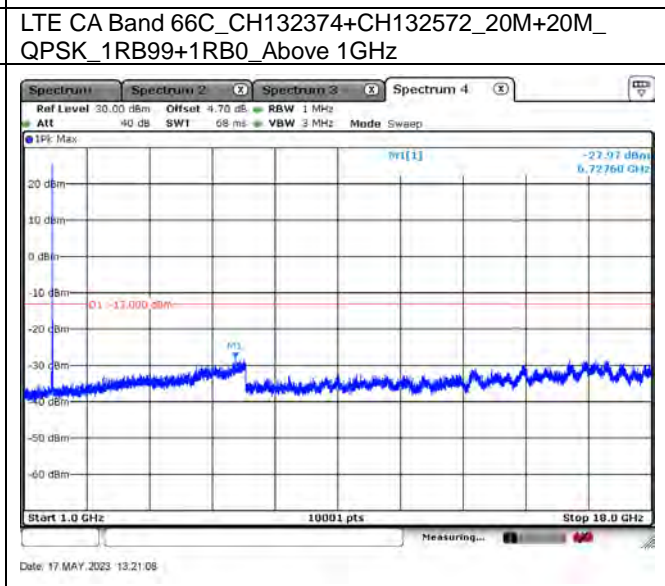
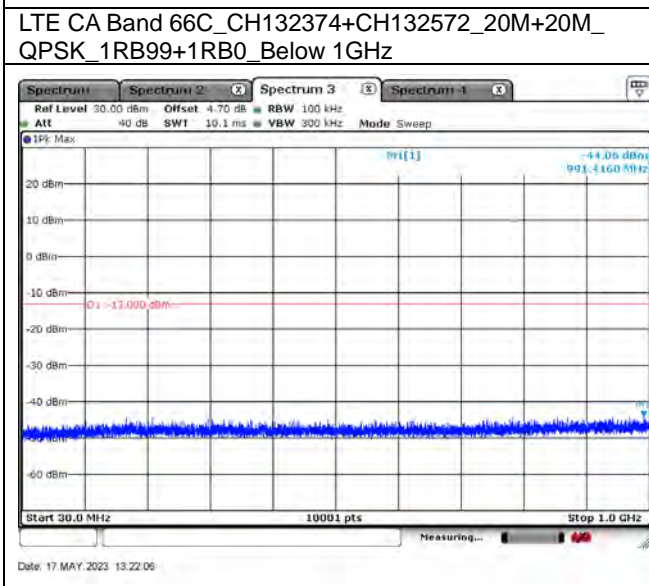
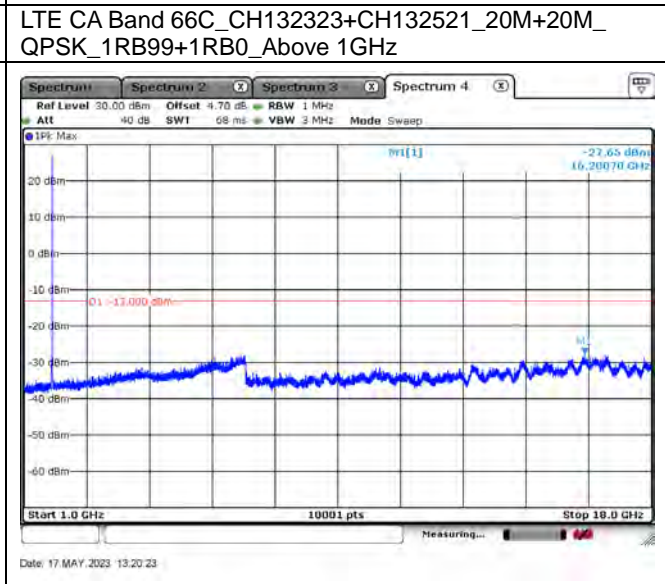
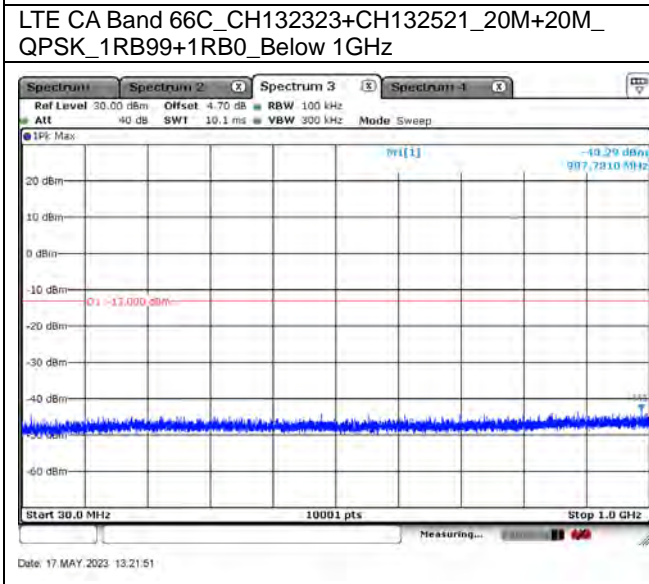
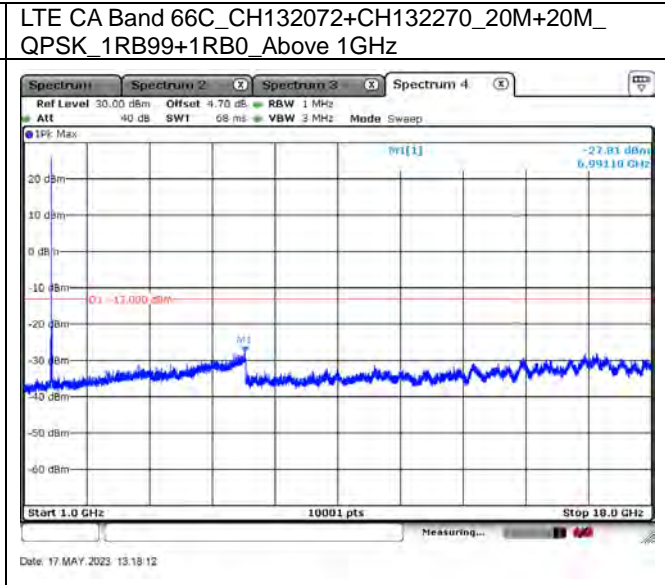
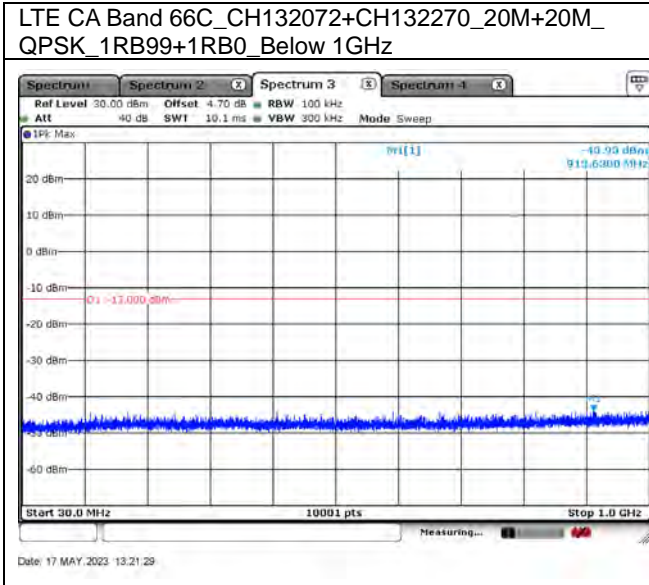






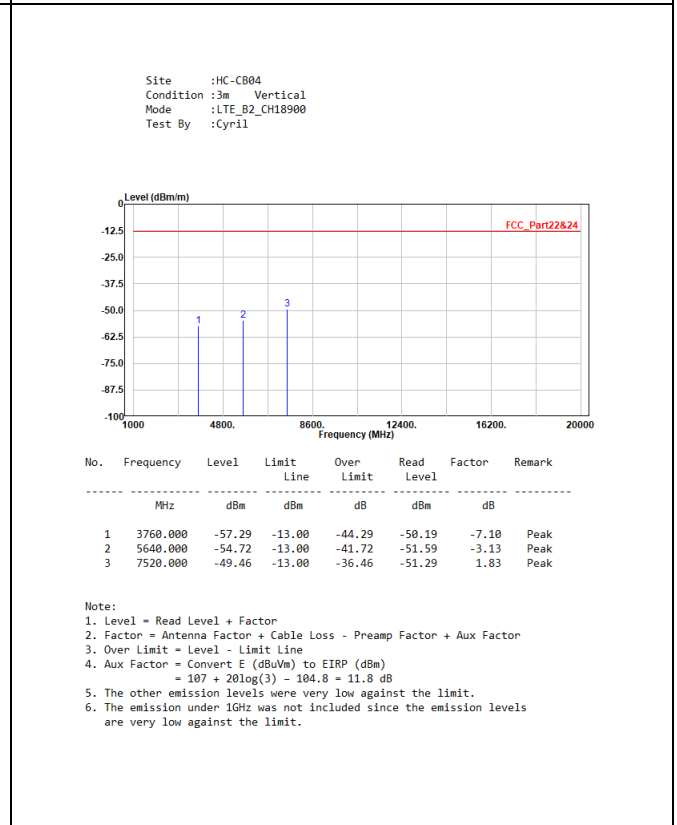
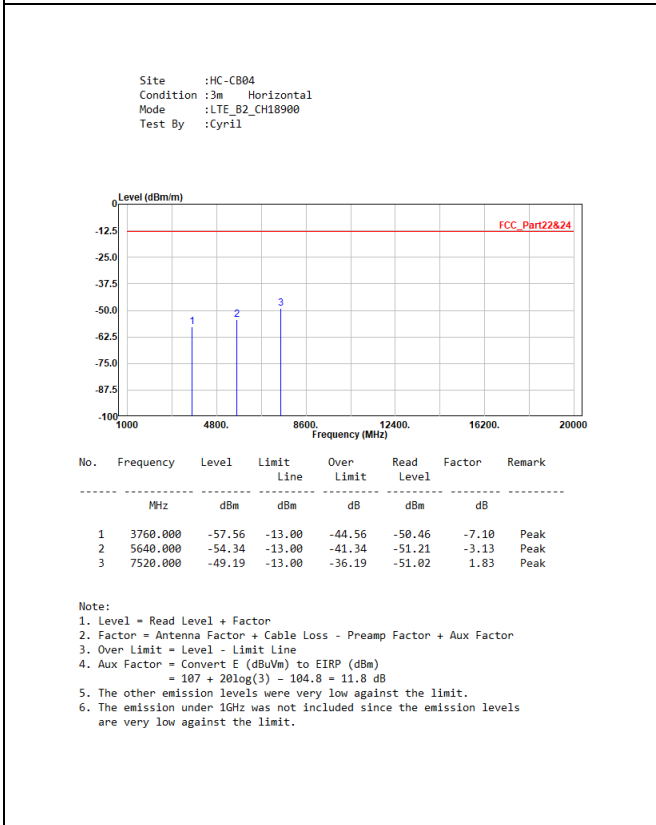
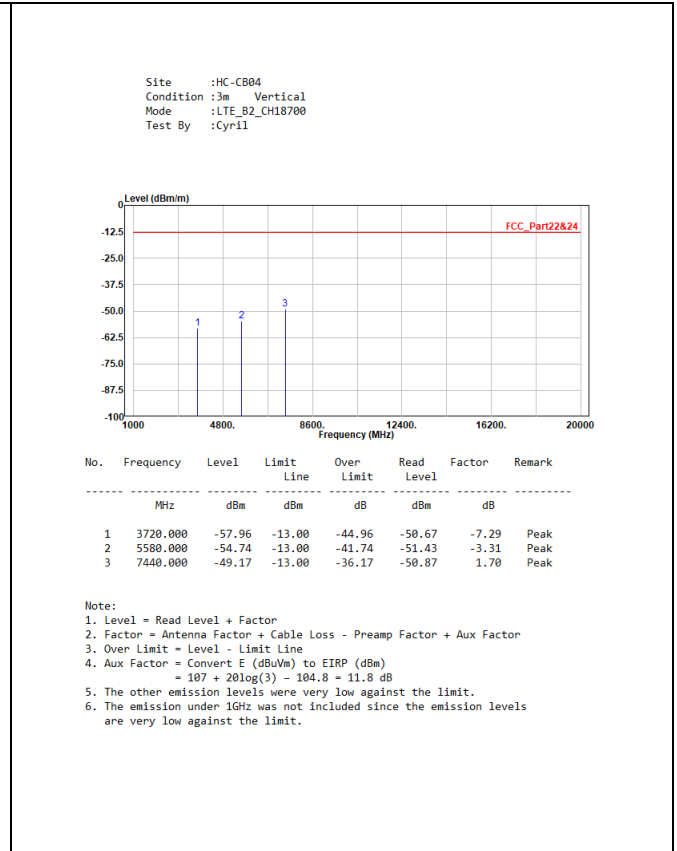
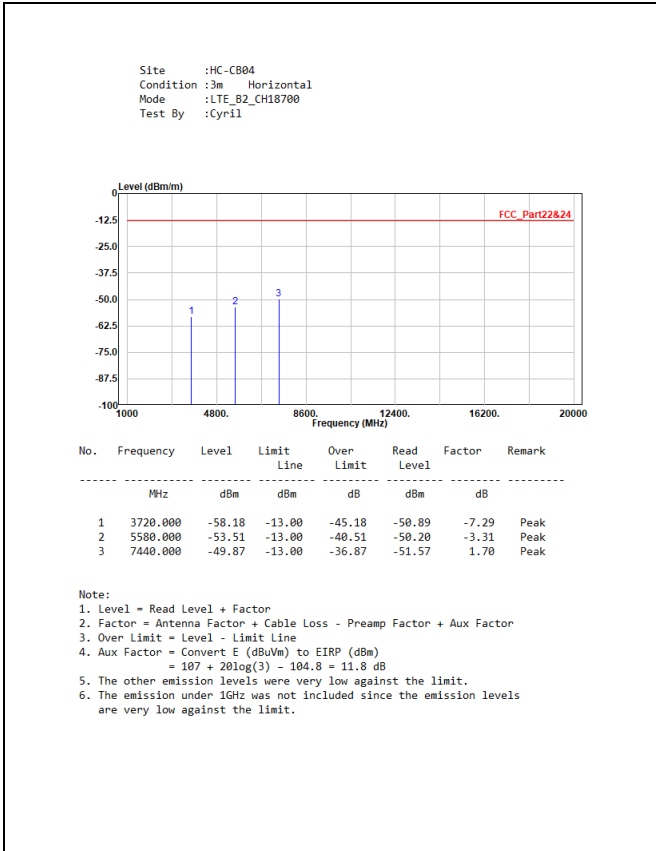






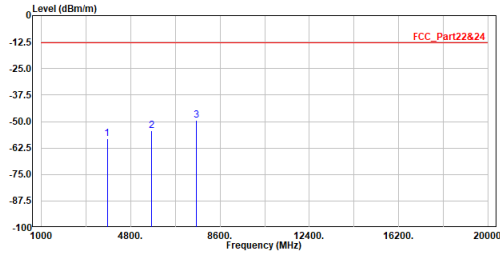
## Appendix D.2 Test Result of Radiated Spurious Emission

### Mode 1: LTE Band 2





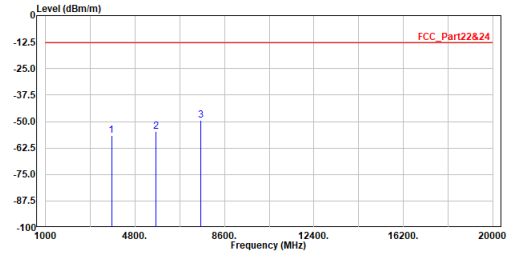
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_B2\_CH19100  
 Test By :Cyril



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3800.000	-58.08	-13.00	-45.08	-51.18	-6.90	Peak
2	5700.000	-54.40	-13.00	-41.40	-51.45	-2.95	Peak
3	7600.000	-49.44	-13.00	-36.44	-51.28	1.84	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 + 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 :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_B2\_CH19100  
 Test By :Cyril

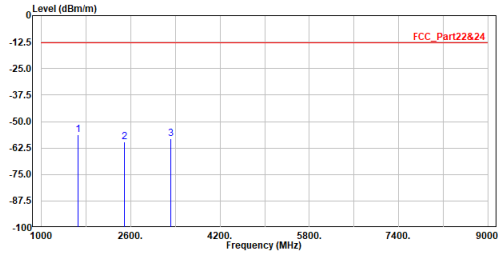


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3800.000	-56.74	-13.00	-43.74	-49.84	-6.90	Peak
2	5700.000	-54.64	-13.00	-41.64	-51.69	-2.95	Peak
3	7600.000	-49.35	-13.00	-36.35	-51.19	1.84	Peak

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 + 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.

**Mode 2: LTE Band 5**

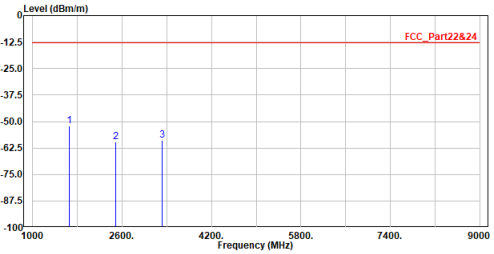
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_B5\_CH20450  
 Test By :Cyril



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1658.000	-56.41	-13.00	-43.41	-43.10	-13.31	Peak
2	2487.000	-59.62	-13.00	-46.62	-48.98	-10.64	Peak
3	3316.000	-58.29	-13.00	-45.29	-49.73	-8.56	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 (dBuV/m) 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.

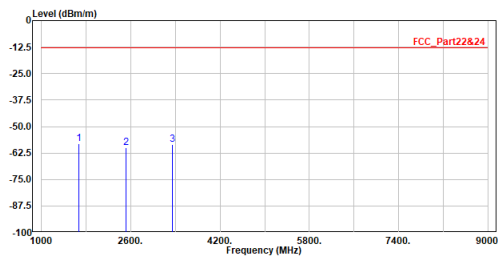
Site :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_B5\_CH20450  
 Test By :Cyril



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1658.000	-52.06	-13.00	-39.06	-38.75	-13.31	Peak
2	2487.000	-59.71	-13.00	-46.71	-49.07	-10.64	Peak
3	3316.000	-58.80	-13.00	-45.80	-50.24	-8.56	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 (dBuV/m) 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.

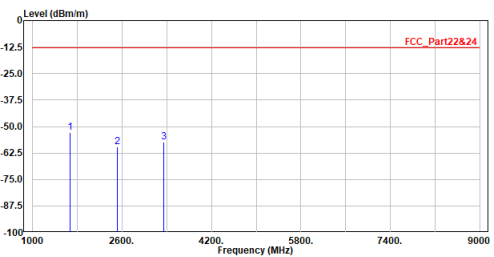
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_B5\_CH20525  
 Test By :Cyril



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1673.000	-58.15	-13.00	-45.15	-44.91	-13.24	Peak
2	2509.500	-60.19	-13.00	-47.19	-49.61	-10.58	Peak
3	3346.000	-58.31	-13.00	-45.31	-49.81	-8.50	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 + 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.

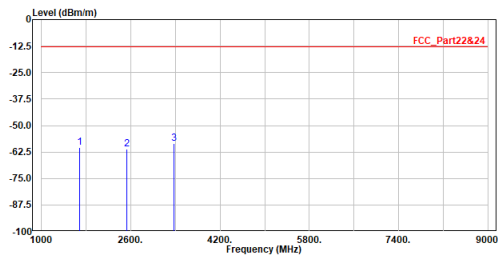
Site :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_B5\_CH20525  
 Test By :Cyril



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1673.000	-52.79	-13.00	-39.79	-39.55	-13.24	Peak
2	2509.500	-59.80	-13.00	-46.80	-49.22	-10.58	Peak
3	3346.000	-57.42	-13.00	-44.42	-48.92	-8.50	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 + 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.

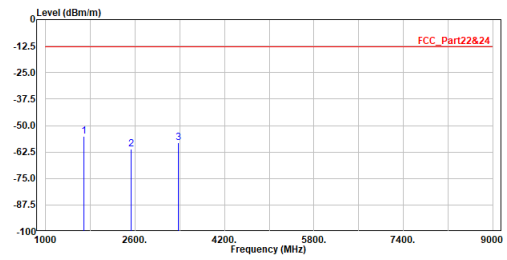
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_B5\_CH20600  
 Test By :Cyril



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1688.000	-60.25	-13.00	-47.25	-47.07	-13.18	Peak
2	2532.000	-61.13	-13.00	-48.13	-50.62	-10.51	Peak
3	3376.000	-58.58	-13.00	-45.58	-50.11	-8.47	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 + 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 :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_B5\_CH20600  
 Test By :Cyril

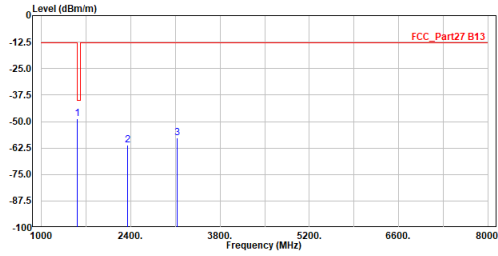


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1688.000	-55.20	-13.00	-42.20	-42.02	-13.18	Peak
2	2532.000	-61.12	-13.00	-48.12	-50.61	-10.51	Peak
3	3376.000	-58.08	-13.00	-45.08	-49.61	-8.47	Peak

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 + 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.

**Mode 3: LTE Band 13**

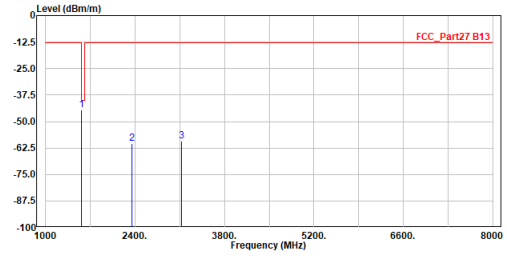
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_B13\_CH23230  
 Test By :Cyril



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1564.000	-48.57	-40.00	-8.57	-34.86	-13.71	Peak
2	2346.000	-61.15	-13.00	-48.15	-50.15	-11.00	Peak
3	3128.000	-57.88	-13.00	-44.88	-49.00	-8.88	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 (dBuV/m) 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 :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_B13\_CH23230  
 Test By :Cyril

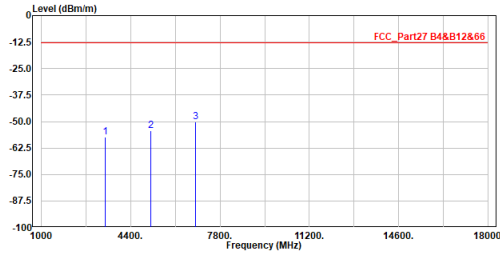


No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	1564.000	-44.41	-40.00	-4.41	-30.70	-13.71	Peak
2	2346.000	-60.41	-13.00	-47.41	-49.41	-11.00	Peak
3	3128.000	-59.34	-13.00	-46.34	-50.46	-8.88	Peak

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 (dBuV/m) 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.

**Mode 4: LTE Band 66**

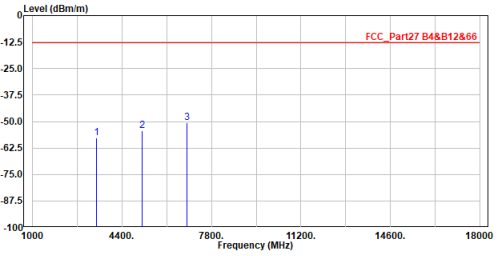
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_B66\_CH132072  
 Test By :Cyril



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	3440.000	-57.22	-13.00	-44.22	-48.84	-8.38	Peak
2	5160.000	-54.50	-13.00	-41.50	-51.04	-3.46	Peak
3	6880.000	-50.12	-13.00	-37.12	-50.84	0.72	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 + 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.

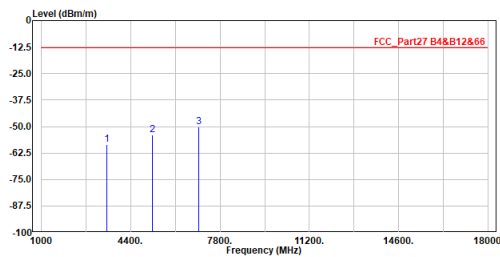
Site :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_B66\_CH132072  
 Test By :Cyril



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	3440.000	-57.82	-13.00	-44.82	-49.44	-8.38	Peak
2	5160.000	-54.36	-13.00	-41.36	-50.90	-3.46	Peak
3	6880.000	-50.64	-13.00	-37.64	-51.36	0.72	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 + 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.

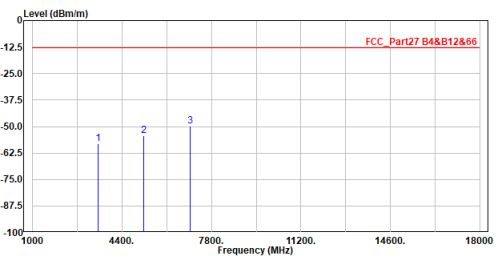
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_B66\_CH132322  
 Test By :Cyril



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	3490.000	-58.65	-13.00	-45.65	-50.34	-8.31	Peak
2	5235.000	-54.07	-13.00	-41.07	-50.58	-3.49	Peak
3	6980.000	-50.10	-13.00	-37.10	-50.92	0.82	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 + 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.

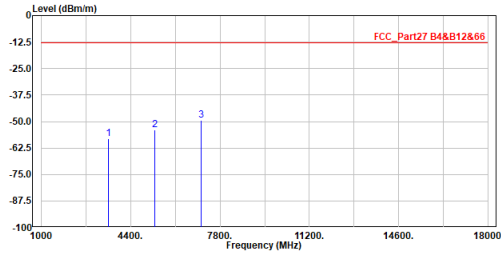
Site :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_B66\_CH132322  
 Test By :Cyril



No.	Frequency MHz	Level dBm	Limit Line dBm	Over Limit dB	Read Level dBm	Factor dB	Remark
1	3490.000	-57.98	-13.00	-44.98	-49.67	-8.31	Peak
2	5235.000	-54.42	-13.00	-41.42	-50.93	-3.49	Peak
3	6980.000	-49.92	-13.00	-36.92	-50.74	0.82	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 + 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.

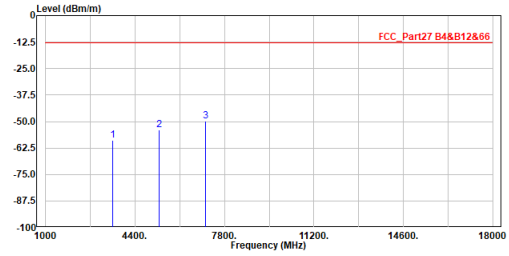
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_B66\_CH132572  
 Test By :Cyril



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3540.000	-58.27	-13.00	-45.27	-50.16	-8.11	Peak
2	5310.000	-53.81	-13.00	-40.81	-50.30	-3.51	Peak
3	7080.000	-49.48	-13.00	-36.48	-50.47	0.99	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 + 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 :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_B66\_CH132572  
 Test By :Cyril

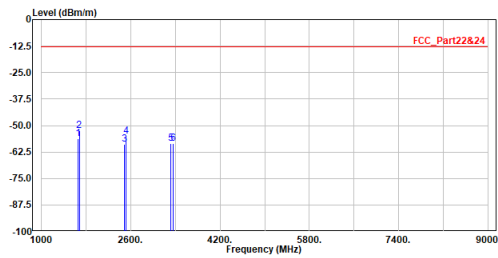


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3540.000	-58.99	-13.00	-45.99	-50.88	-8.11	Peak
2	5310.000	-54.00	-13.00	-41.00	-50.49	-3.51	Peak
3	7080.000	-49.65	-13.00	-36.65	-50.64	0.99	Peak

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 + 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.

**Mode 5: LTE CA Band 5B**

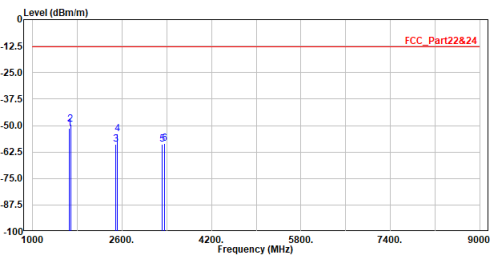
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_CA\_5B\_CH20450+CH20549  
 Test By :Scott



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1658.000	-56.38	-13.00	-43.38	-43.07	-13.31	Peak
2	1677.800	-52.38	-13.00	-39.38	-39.15	-13.23	Peak
3	2487.000	-58.98	-13.00	-45.98	-48.34	-10.64	Peak
4	2516.700	-54.98	-13.00	-41.98	-44.41	-10.57	Peak
5	3316.000	-58.60	-13.00	-45.60	-50.04	-8.56	Peak
6	3355.600	-58.60	-13.00	-45.60	-50.10	-8.50	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.

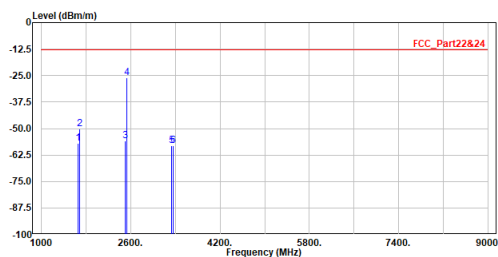
Site :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_CA\_5B\_CH20450+CH20549  
 Test By :Scott



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1658.000	-51.43	-13.00	-38.43	-38.12	-13.31	Peak
2	1677.800	-49.43	-13.00	-36.43	-36.20	-13.23	Peak
3	2487.000	-58.84	-13.00	-45.84	-48.20	-10.64	Peak
4	2516.700	-53.84	-13.00	-40.84	-43.27	-10.57	Peak
5	3316.000	-58.74	-13.00	-45.74	-50.18	-8.56	Peak
6	3355.600	-58.65	-13.00	-45.65	-50.15	-8.50	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.

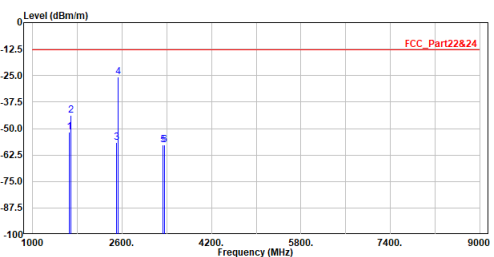
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_CA\_5B\_CH20476+CH20575  
 Test By :Scott



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1663.200	-57.08	-13.00	-44.08	-43.79	-13.29	Peak
2	1683.000	-50.08	-13.00	-37.08	-36.88	-13.20	Peak
3	2494.800	-55.89	-13.00	-42.89	-45.26	-10.63	Peak
4	2524.500	-25.89	-13.00	-12.89	-15.35	-10.54	Peak
5	3326.400	-58.04	-13.00	-45.04	-49.50	-8.54	Peak
6	3366.000	-58.04	-13.00	-45.04	-49.55	-8.49	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.

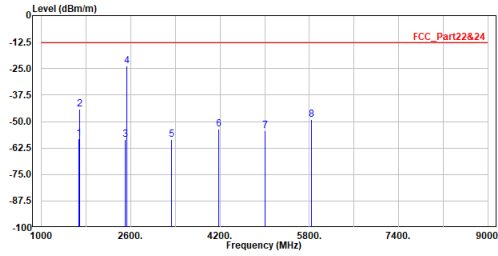
Site :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_CA\_5B\_CH20476+CH20575  
 Test By :Scott



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1663.200	-51.81	-13.00	-38.81	-38.52	-13.29	Peak
2	1683.000	-43.81	-13.00	-30.81	-30.61	-13.20	Peak
3	2494.800	-56.56	-13.00	-43.56	-45.93	-10.63	Peak
4	2524.500	-25.56	-13.00	-12.56	-15.02	-10.54	Peak
5	3326.400	-57.63	-13.00	-44.63	-49.09	-8.54	Peak
6	3366.000	-57.63	-13.00	-44.63	-49.14	-8.49	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.

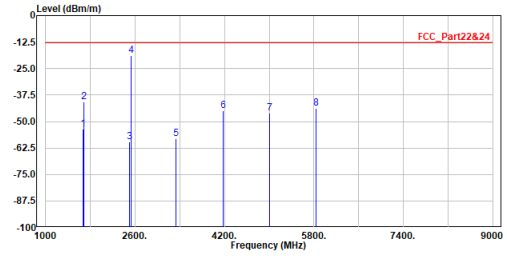
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_CA\_5B\_CH20501+CH20600  
 Test By :Scott



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1668.200	-58.26	-13.00	-45.26	-44.99	-13.27	Peak
2	1688.000	-44.26	-13.00	-31.26	-31.08	-13.18	Peak
3	2502.300	-58.65	-13.00	-45.65	-48.05	-10.60	Peak
4	2532.000	-23.65	-13.00	-10.65	-13.14	-10.51	Peak
5	3336.400	-58.41	-13.00	-45.41	-49.88	-8.53	Peak
6	4170.500	-53.58	-13.00	-40.58	-47.99	-5.59	Peak
7	5004.600	-54.25	-13.00	-41.25	-50.84	-3.41	Peak
8	5838.700	-49.17	-13.00	-36.17	-46.58	-2.59	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)  
 $= 107 + 20\log(3) - 104.8 = 11.8$  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 :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_CA\_5B\_CH20501+CH20600  
 Test By :Scott



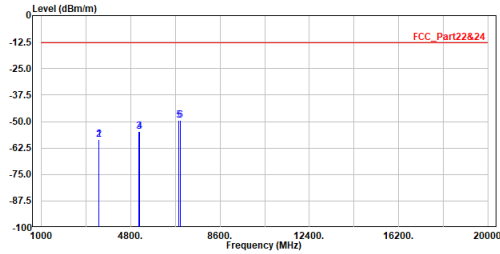
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1668.200	-53.66	-13.00	-40.66	-40.39	-13.27	Peak
2	1688.000	-40.66	-13.00	-27.66	-27.48	-13.18	Peak
3	2502.300	-59.76	-13.00	-46.76	-49.16	-10.60	Peak
4	2532.000	-18.76	-13.00	-5.76	-8.25	-10.51	Peak
5	3336.400	-57.96	-13.00	-44.96	-49.43	-8.53	Peak
6	4170.500	-44.73	-13.00	-31.73	-39.14	-5.59	Peak
7	5004.600	-46.15	-13.00	-33.15	-42.74	-3.41	Peak
8	5838.700	-43.81	-13.00	-30.81	-41.22	-2.59	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)  
 $= 107 + 20\log(3) - 104.8 = 11.8$  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.



**Mode 6: LTE CA Band 66B**

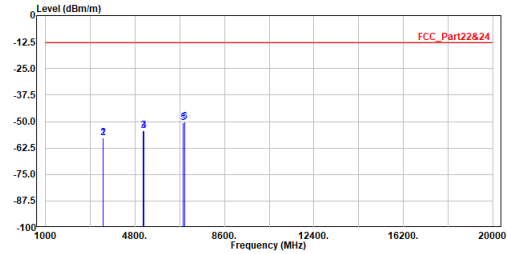
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_CA\_66B\_CHI32022+CHI32121  
 Test By :Scott



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3430.000	-58.57	-13.00	-45.57	-50.17	-8.40	Peak
2	3449.800	-58.60	-13.00	-45.60	-50.23	-8.37	Peak
3	5145.000	-54.81	-13.00	-41.81	-51.35	-3.46	Peak
4	5174.700	-54.81	-13.00	-41.81	-51.33	-3.48	Peak
5	6860.000	-49.57	-13.00	-36.57	-50.28	0.71	Peak
6	6899.600	-49.57	-13.00	-36.57	-50.32	0.75	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.

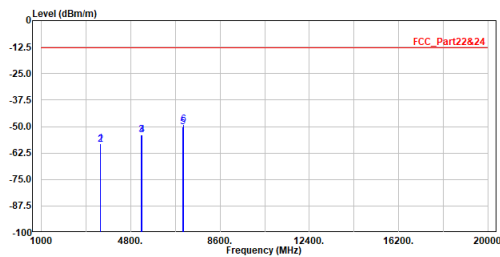
Site :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_CA\_66B\_CHI32022+CHI32121  
 Test By :Scott



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3430.000	-57.87	-13.00	-44.87	-49.47	-8.40	Peak
2	3449.800	-57.87	-13.00	-44.87	-49.50	-8.37	Peak
3	5145.000	-54.21	-13.00	-41.21	-50.75	-3.46	Peak
4	5174.700	-54.49	-13.00	-41.49	-51.01	-3.48	Peak
5	6860.000	-50.62	-13.00	-37.62	-51.33	0.71	Peak
6	6899.600	-50.15	-13.00	-37.15	-50.90	0.75	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.

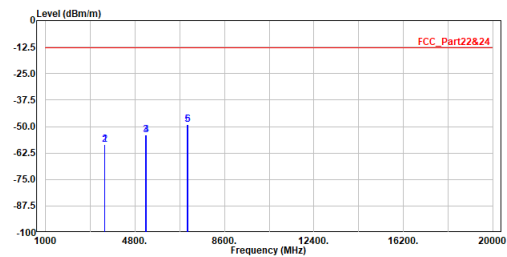
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_CA\_66B\_CHI32373+CHI32472  
 Test By :Scott



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3500.200	-58.25	-13.00	-45.25	-49.95	-8.30	Peak
2	3520.000	-58.68	-13.00	-45.68	-50.47	-8.21	Peak
3	5250.300	-53.90	-13.00	-40.90	-50.40	-3.50	Peak
4	5280.000	-53.82	-13.00	-40.82	-50.32	-3.50	Peak
5	7000.400	-50.04	-13.00	-37.04	-50.88	0.84	Peak
6	7040.000	-49.11	-13.00	-36.11	-50.03	0.92	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.

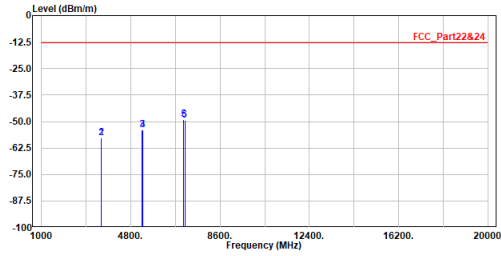
Site :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_CA\_66B\_CHI32373+CHI32472  
 Test By :Scott



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3500.200	-58.55	-13.00	-45.55	-50.25	-8.30	Peak
2	3520.000	-58.55	-13.00	-45.55	-50.34	-8.21	Peak
3	5250.300	-53.92	-13.00	-40.92	-50.42	-3.50	Peak
4	5280.000	-53.92	-13.00	-40.92	-50.42	-3.50	Peak
5	7000.400	-49.15	-13.00	-36.15	-49.99	0.84	Peak
6	7040.000	-49.15	-13.00	-36.15	-50.07	0.92	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.

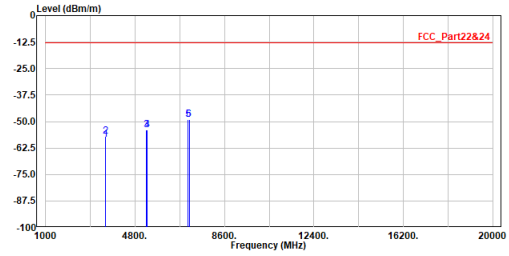
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_CA\_66B\_CHI32523+CHI32622  
 Test By :Scott



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3530.200	-57.67	-13.00	-44.67	-49.51	-8.16	Peak
2	3550.000	-57.67	-13.00	-44.67	-49.60	-8.07	Peak
3	5295.300	-54.11	-13.00	-41.11	-50.60	-3.51	Peak
4	5325.000	-54.09	-13.00	-41.09	-50.58	-3.51	Peak
5	7060.400	-49.15	-13.00	-36.15	-50.12	0.97	Peak
6	7100.000	-49.32	-13.00	-36.32	-50.36	1.04	Peak

Notes:  
 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)  
 $= 107 + 20\log(3) - 104.8 = 11.8$  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.

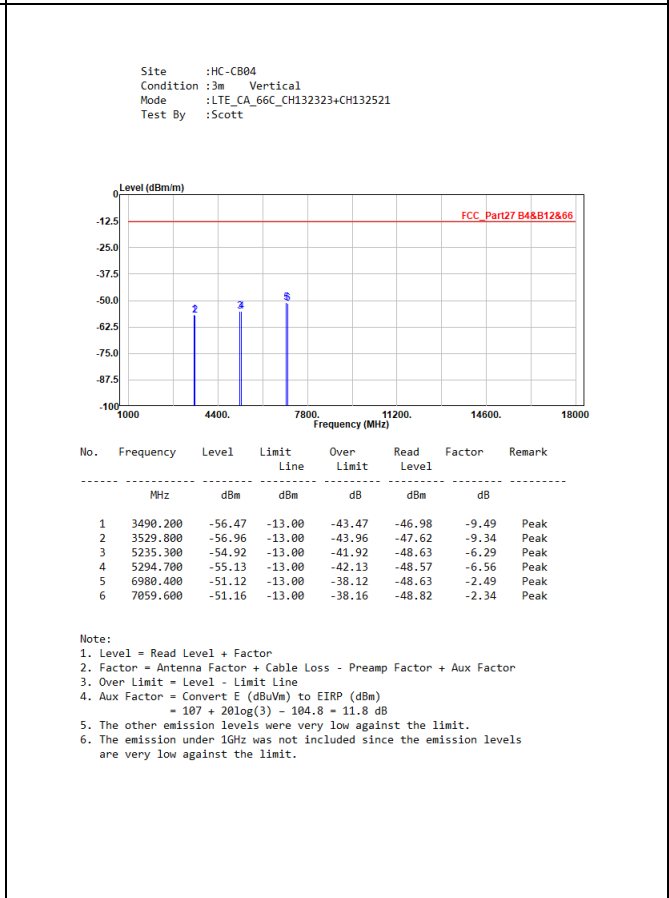
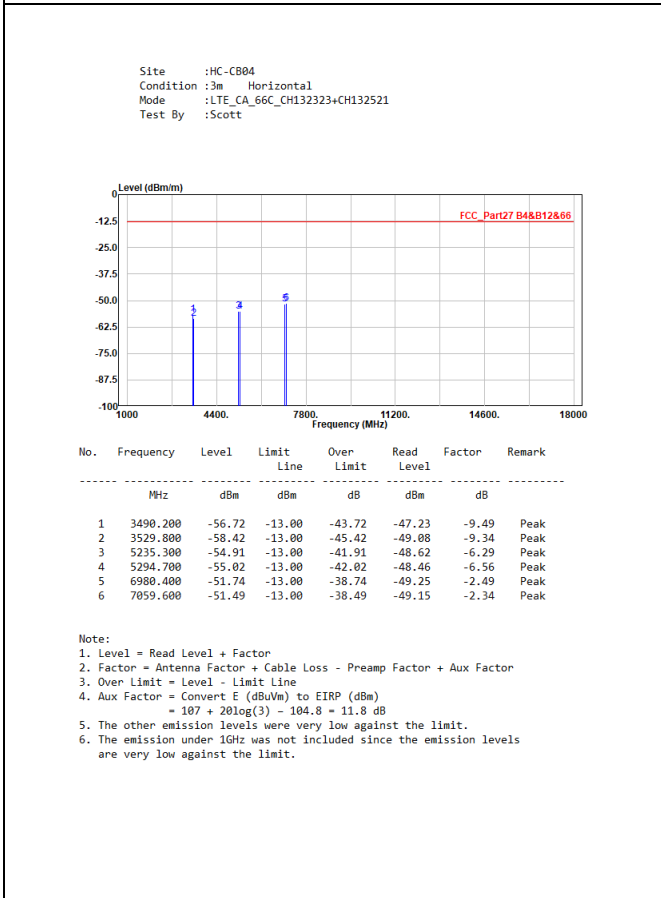
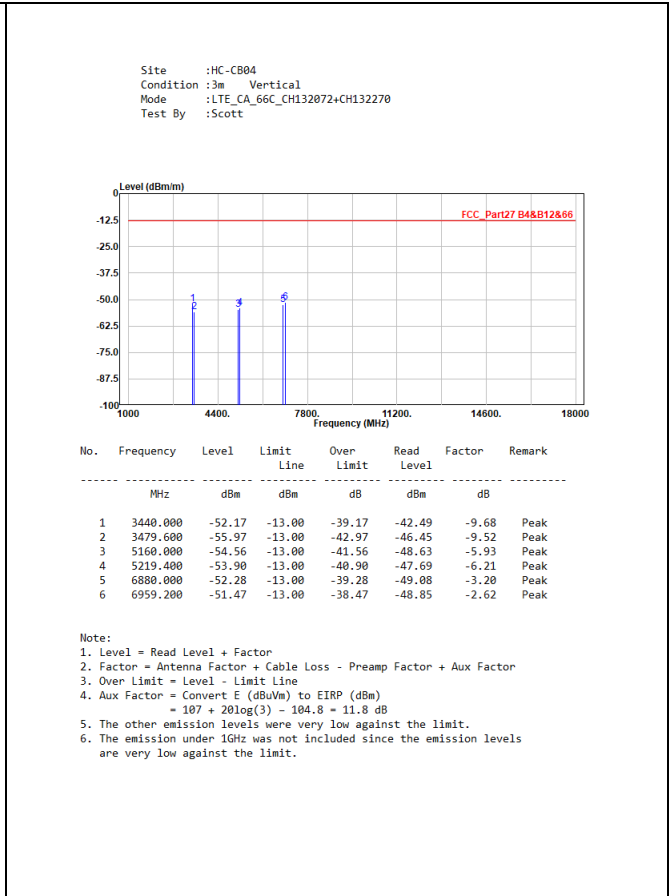
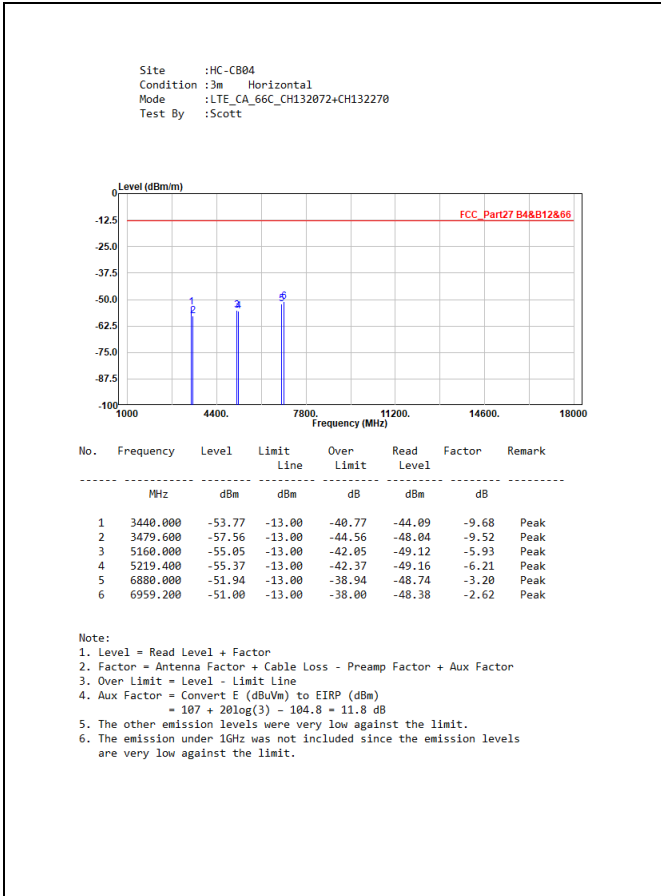
Site :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_CA\_66B\_CHI32523+CHI32622  
 Test By :Scott



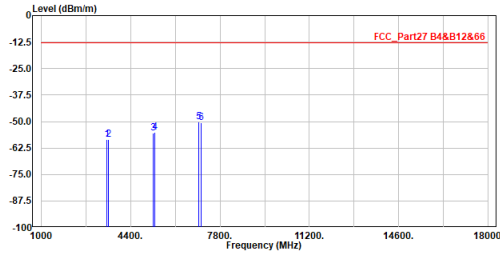
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3530.200	-58.62	-13.00	-45.62	-50.46	-8.16	Peak
2	3550.000	-56.96	-13.00	-43.96	-48.89	-8.07	Peak
3	5295.300	-53.78	-13.00	-40.78	-50.27	-3.51	Peak
4	5325.000	-53.92	-13.00	-40.92	-50.41	-3.51	Peak
5	7060.400	-49.24	-13.00	-36.24	-50.21	0.97	Peak
6	7100.000	-49.24	-13.00	-36.24	-50.28	1.04	Peak

Notes:  
 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)  
 $= 107 + 20\log(3) - 104.8 = 11.8$  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.

**Mode 16: LTE CA Band 66C**



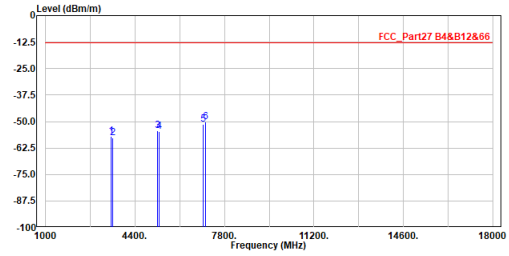
Site :HC-CB04  
 Condition :3m Horizontal  
 Mode :LTE\_CA\_66C\_CH132374+CH132572  
 Test By :Scott



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3500.400	-58.49	-13.00	-45.49	-49.02	-9.47	Peak
2	3540.000	-58.49	-13.00	-45.49	-49.20	-9.29	Peak
3	5250.600	-55.32	-13.00	-42.32	-48.94	-6.38	Peak
4	5310.000	-55.08	-13.00	-42.08	-48.48	-6.60	Peak
5	7000.800	-50.31	-13.00	-37.31	-47.94	-2.37	Peak
6	7080.000	-50.62	-13.00	-37.62	-48.45	-2.17	Peak

Notes:  
 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 :HC-CB04  
 Condition :3m Vertical  
 Mode :LTE\_CA\_66C\_CH132374+CH132572  
 Test By :Scott

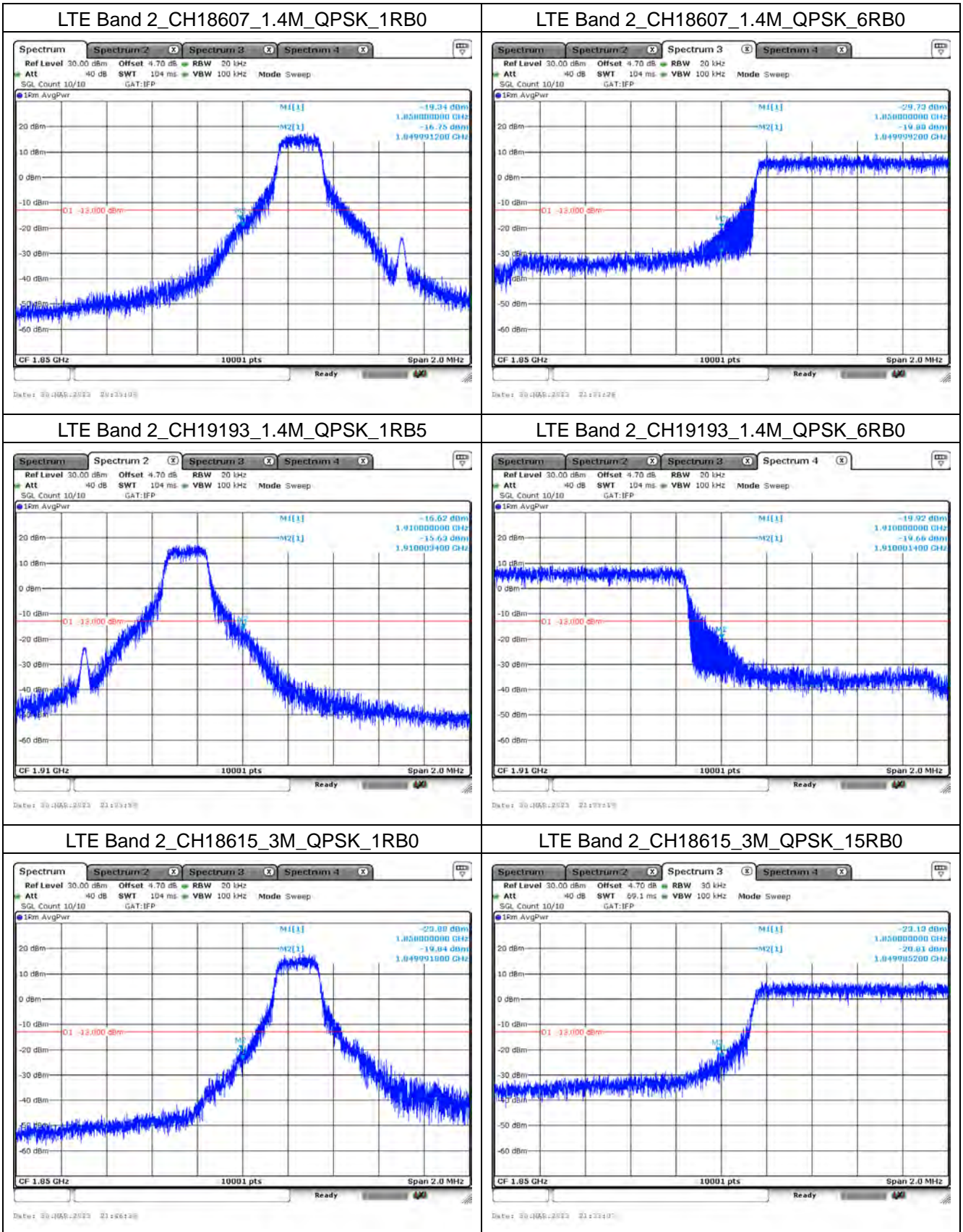


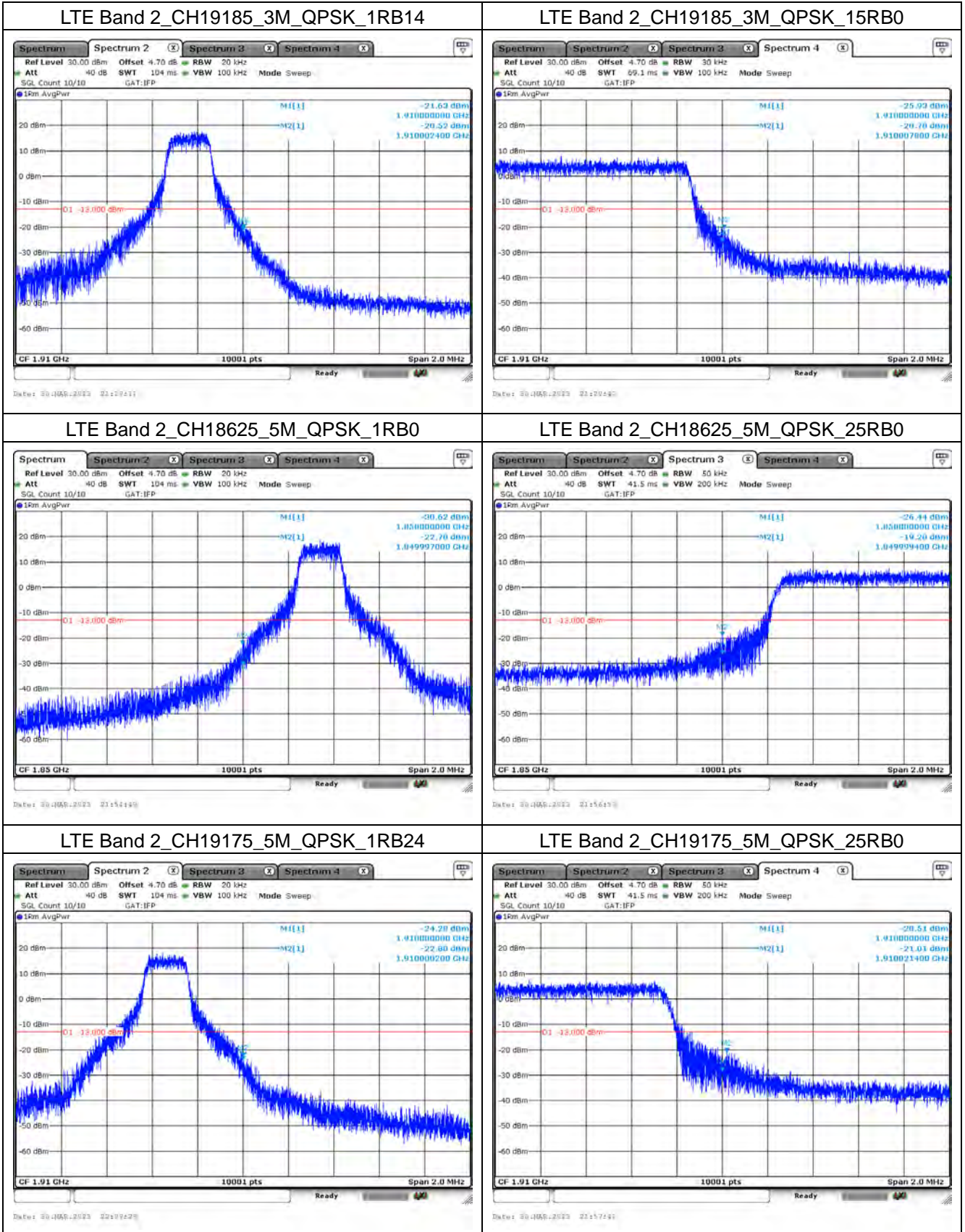
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3500.400	-56.95	-13.00	-43.95	-47.48	-9.47	Peak
2	3540.000	-57.58	-13.00	-44.58	-48.29	-9.29	Peak
3	5250.600	-54.45	-13.00	-41.45	-48.07	-6.38	Peak
4	5310.000	-54.88	-13.00	-41.88	-48.28	-6.60	Peak
5	7000.800	-51.14	-13.00	-38.14	-48.77	-2.37	Peak
6	7080.000	-50.11	-13.00	-37.11	-47.94	-2.17	Peak

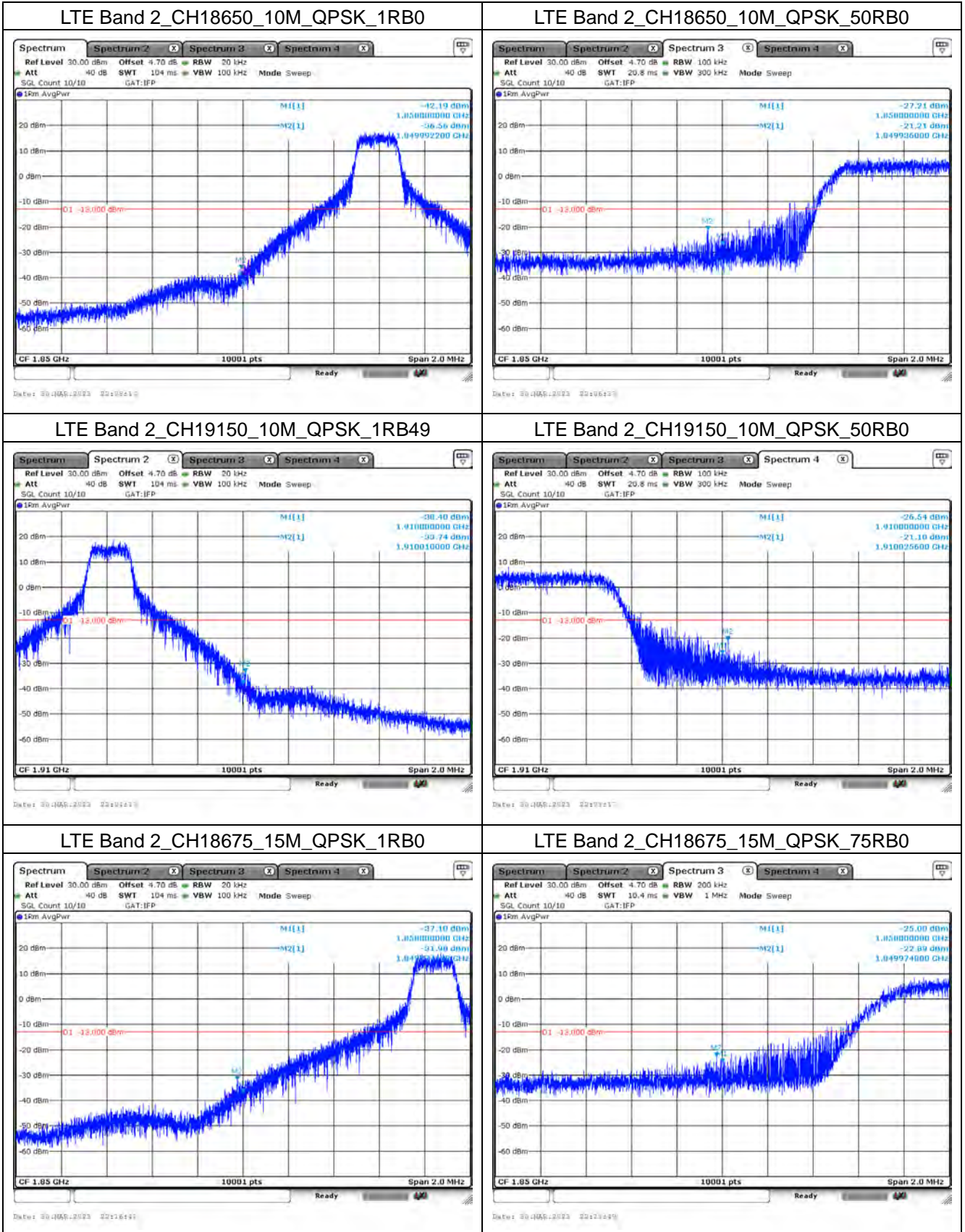
Notes:  
 1. Level = Read Level + Factor  
 2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor  
 3. Over Limit = Level - Limit Line  
 4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)  
 $= 107 + 20\log(3) - 104.8 = 11.8 \text{ dB}$   
 5. The other emission levels were very low against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

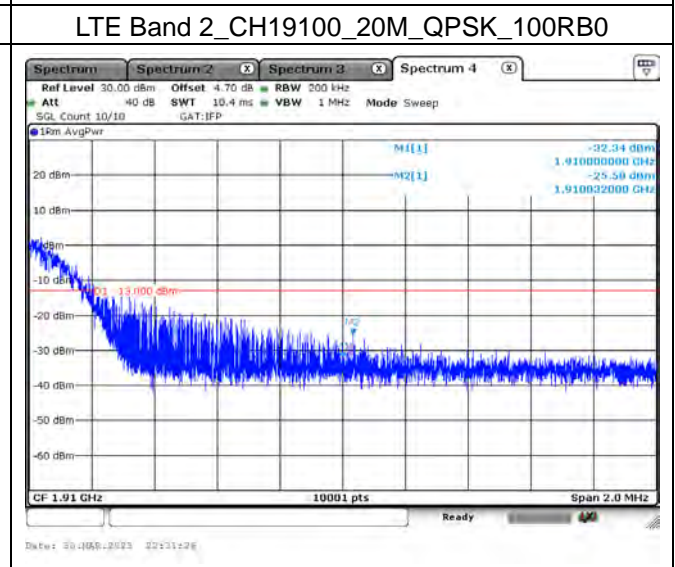
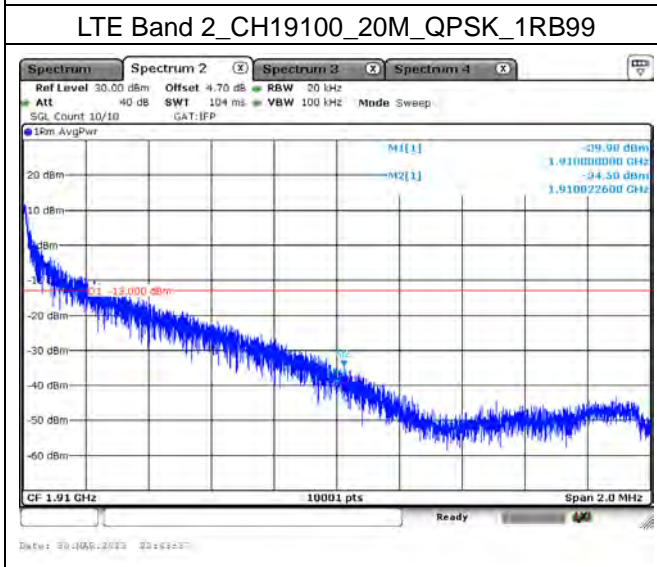
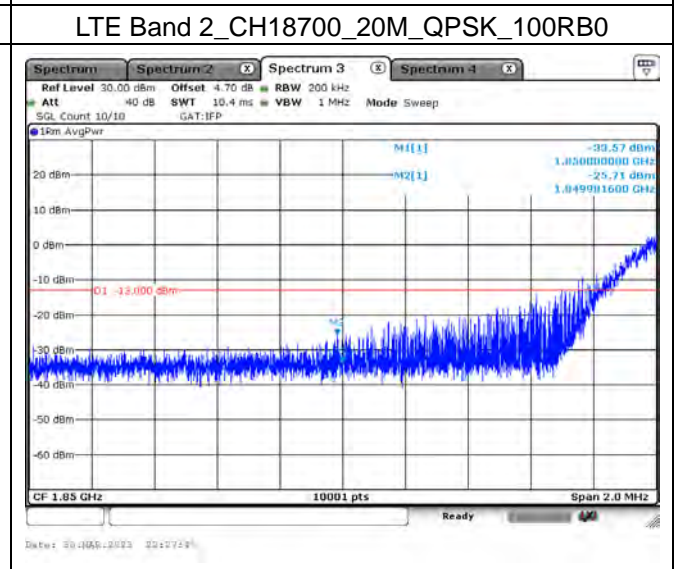
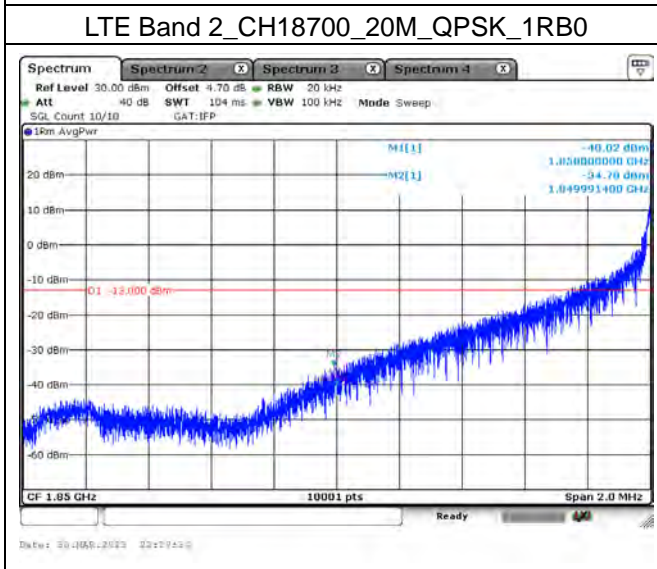
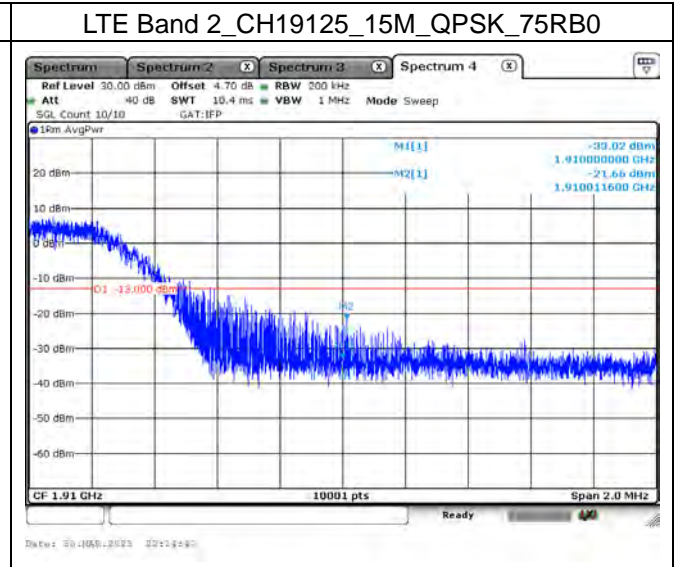
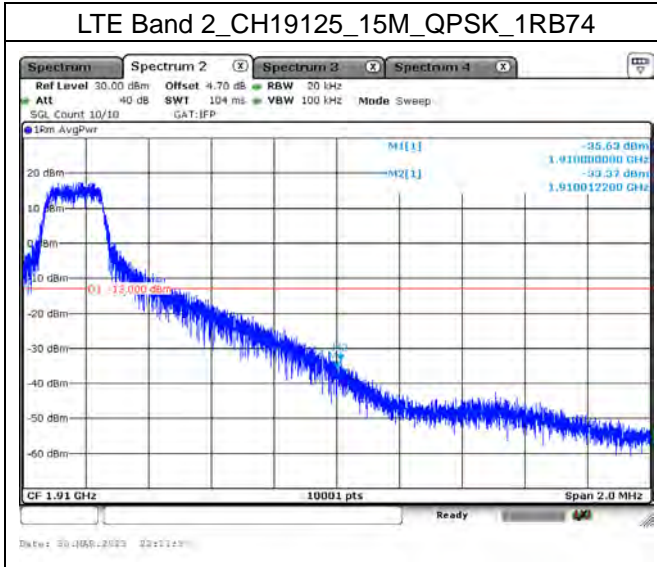
## Appendix E. Test Result of Conducted Band Edge

### Mode 1: LTE Band 2



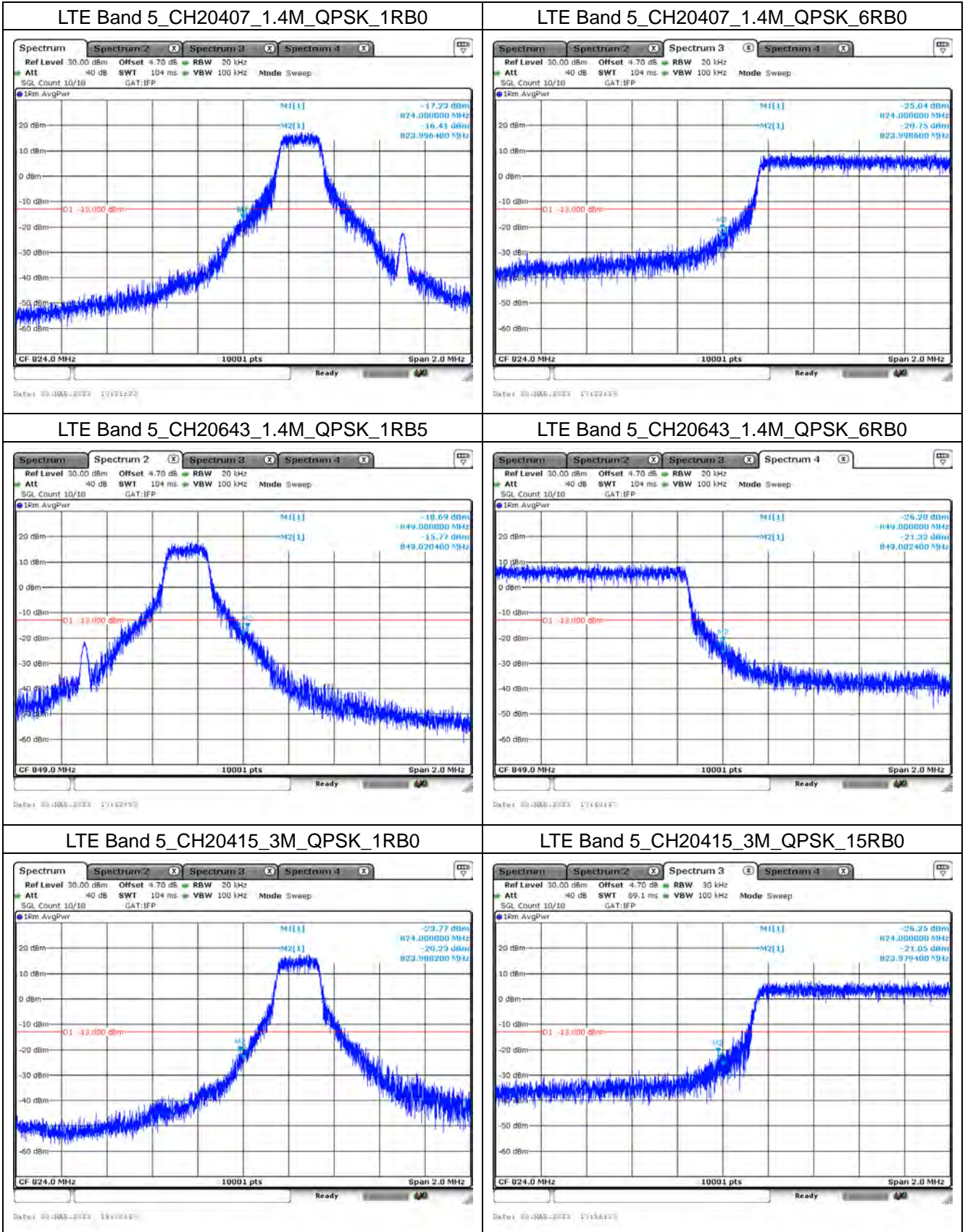


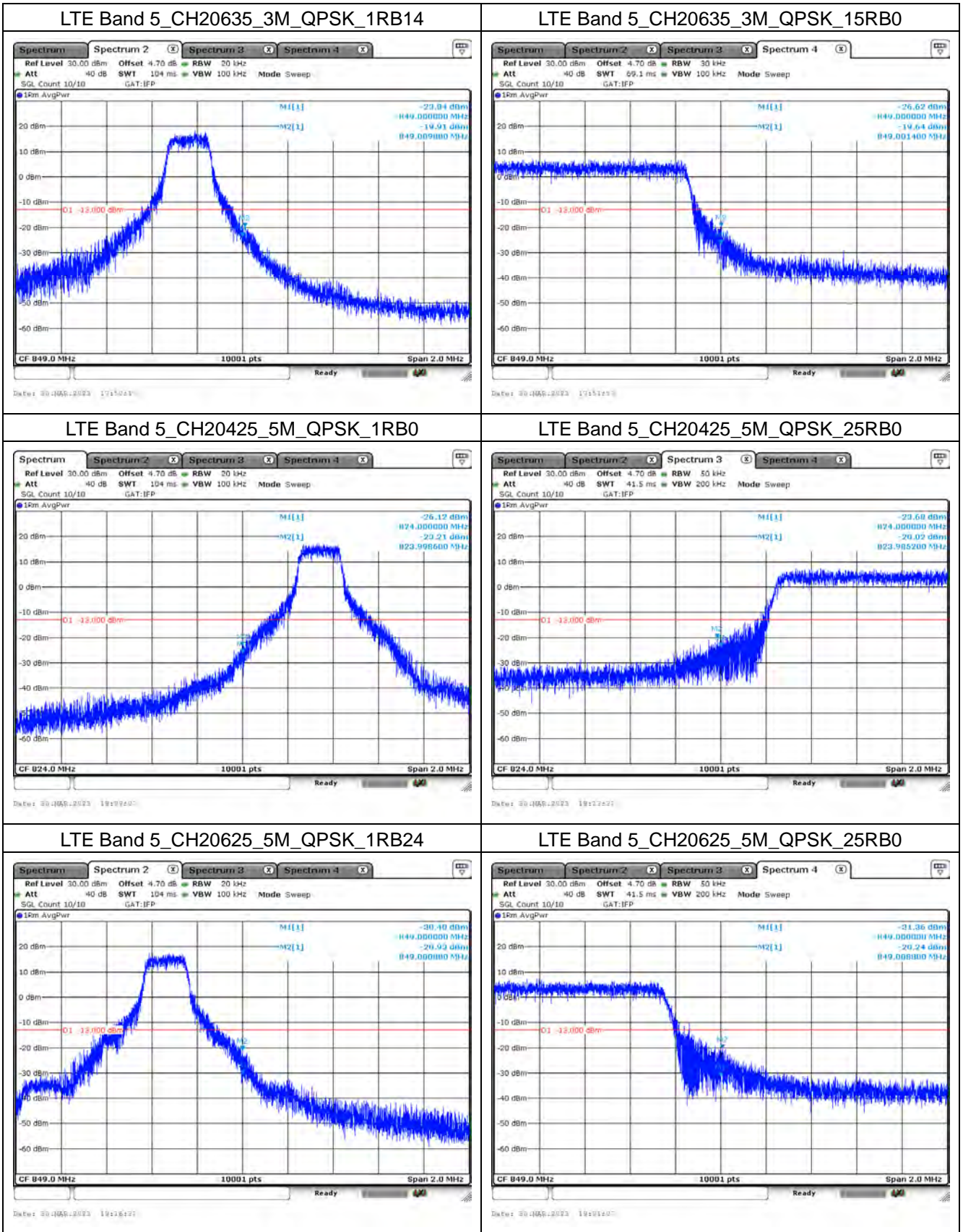


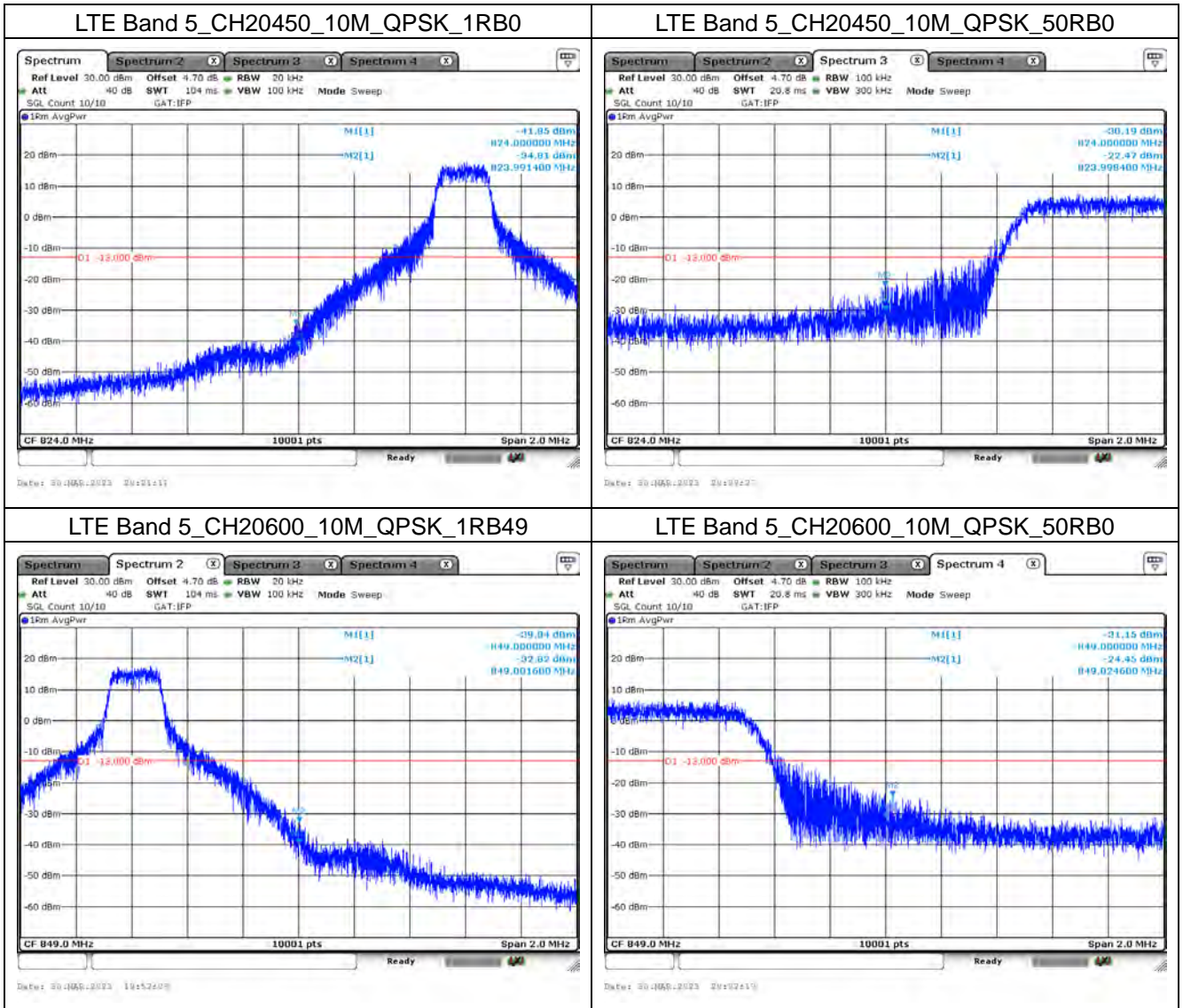




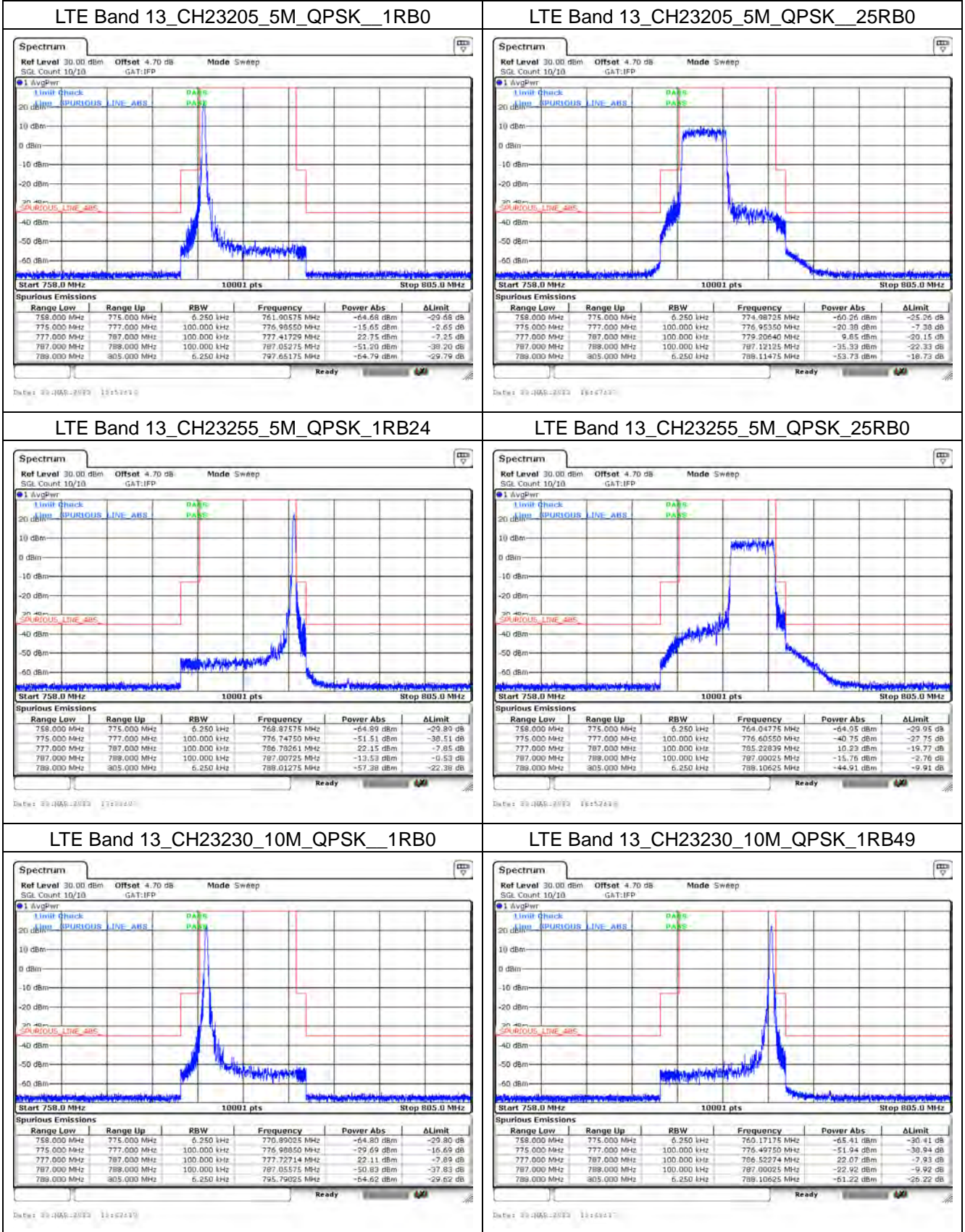
**Mode 2: LTE Band 5**

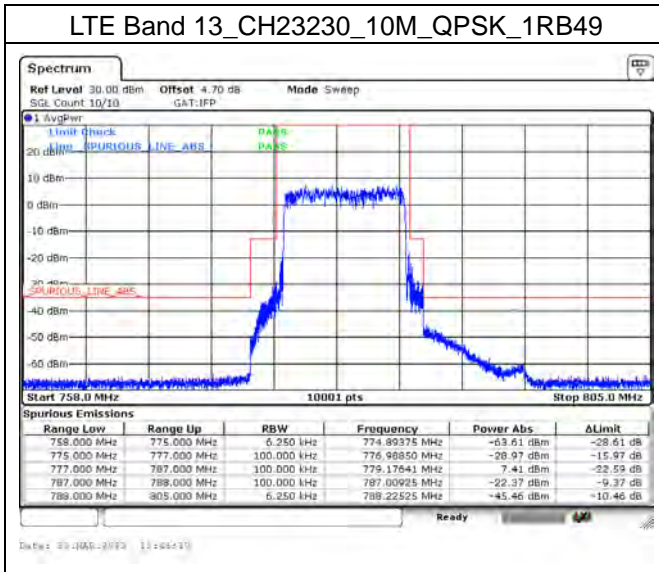




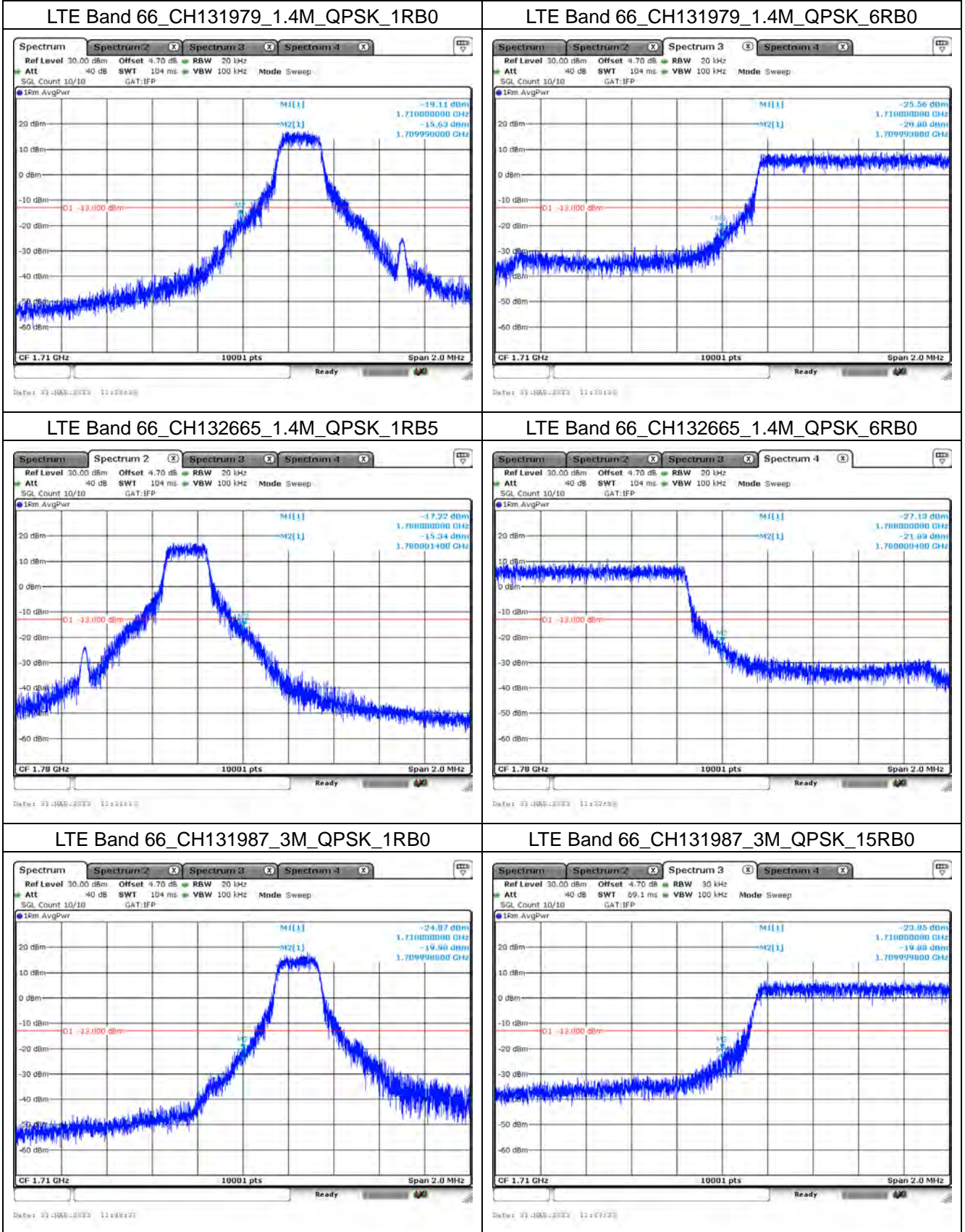


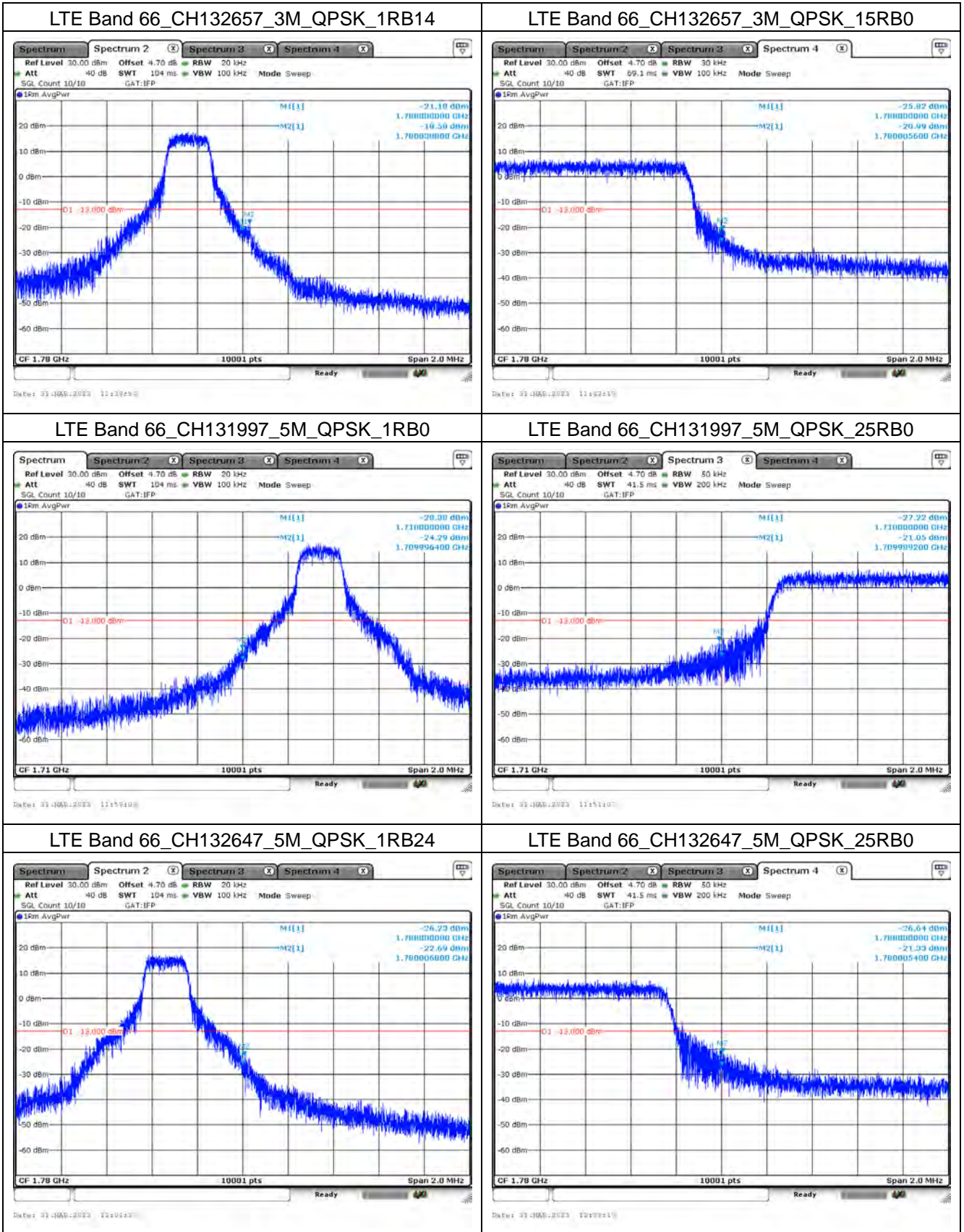
**Mode 3: LTE Band 13**

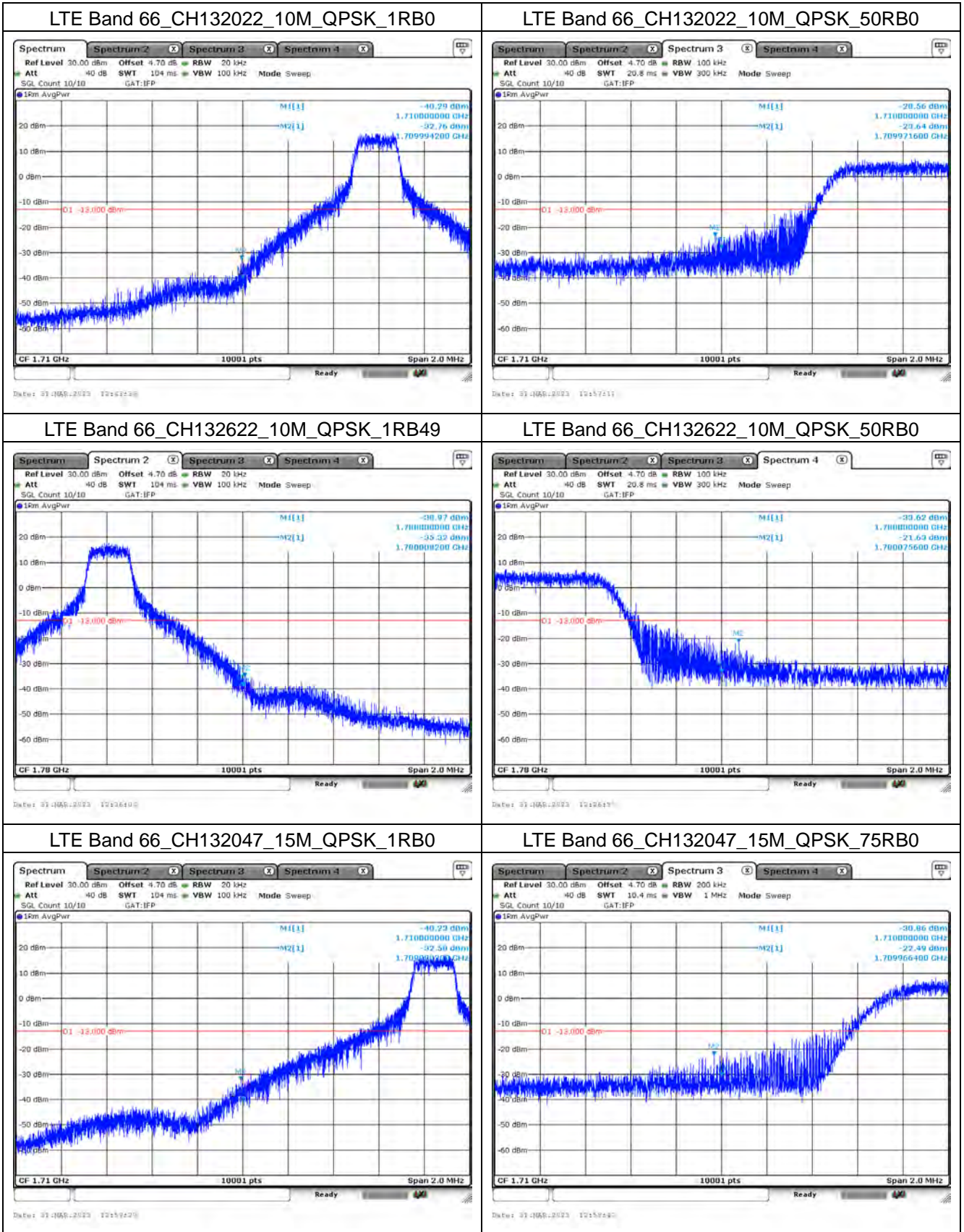




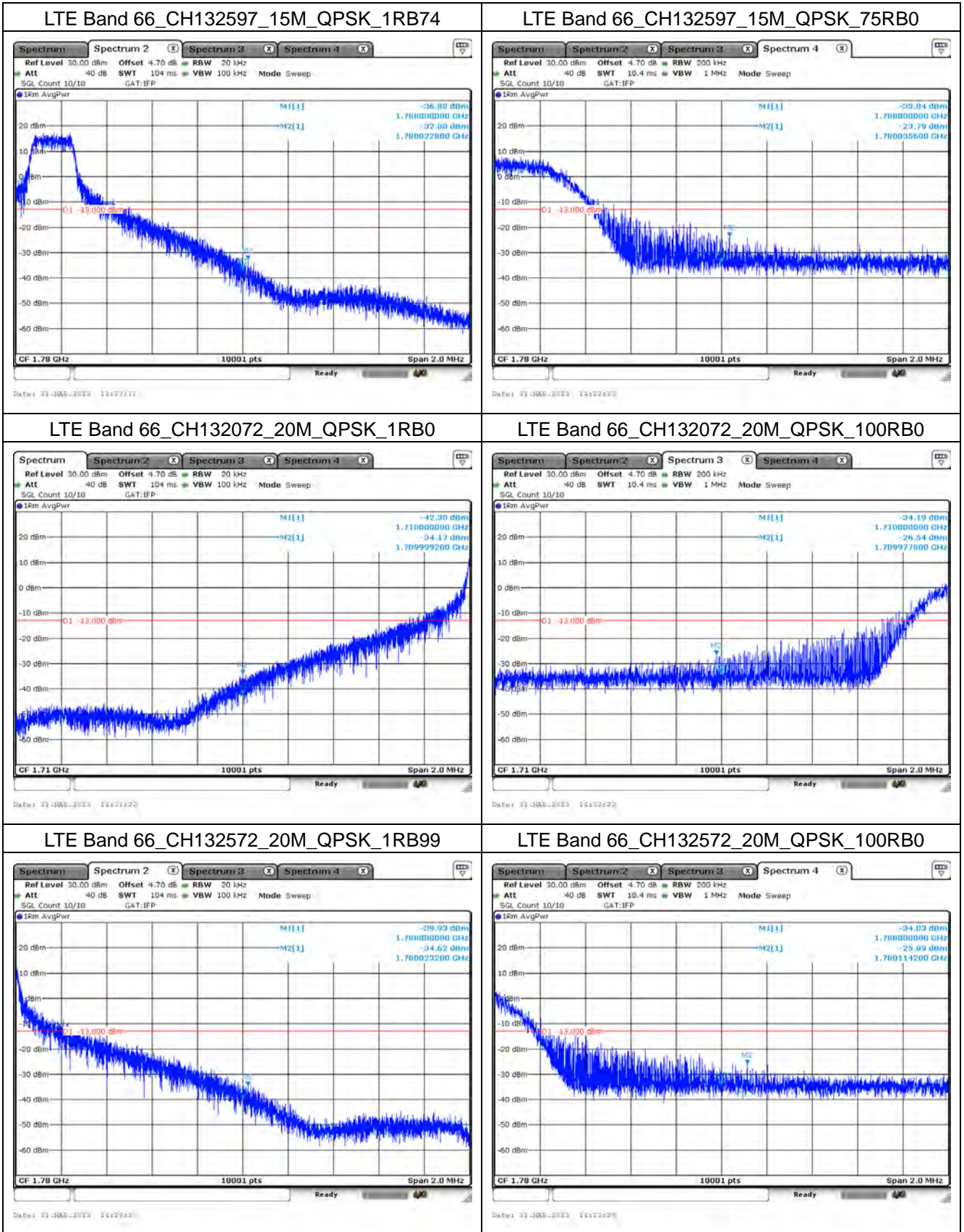
**Mode 4: LTE Band 66**



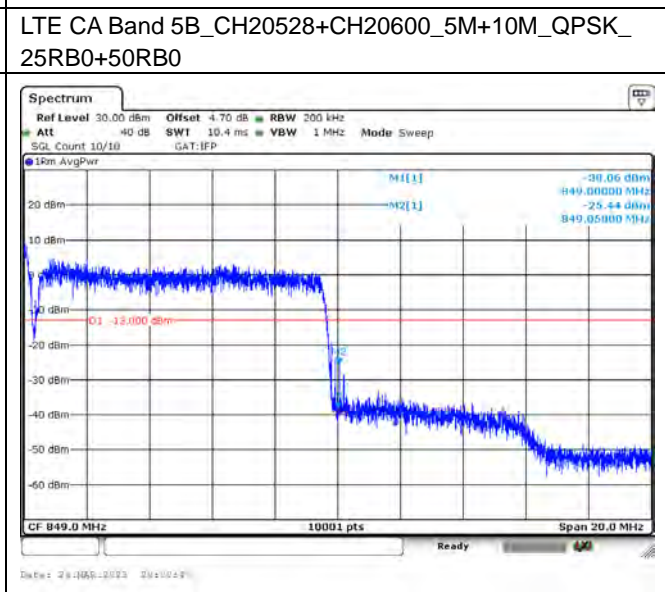
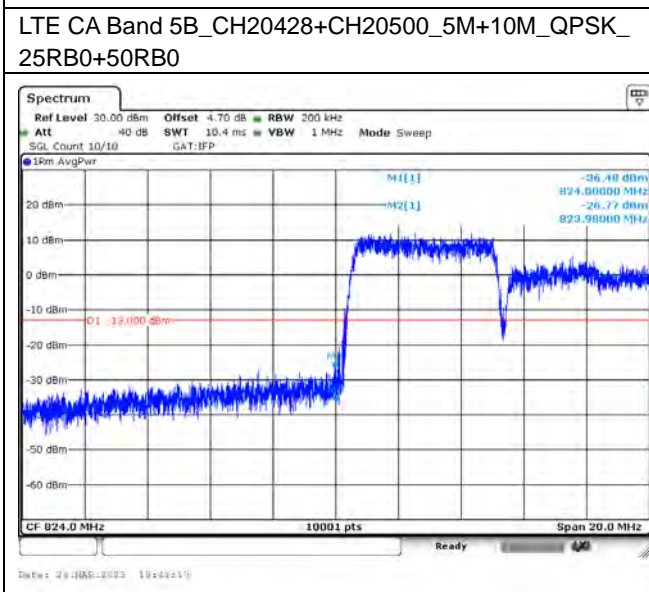
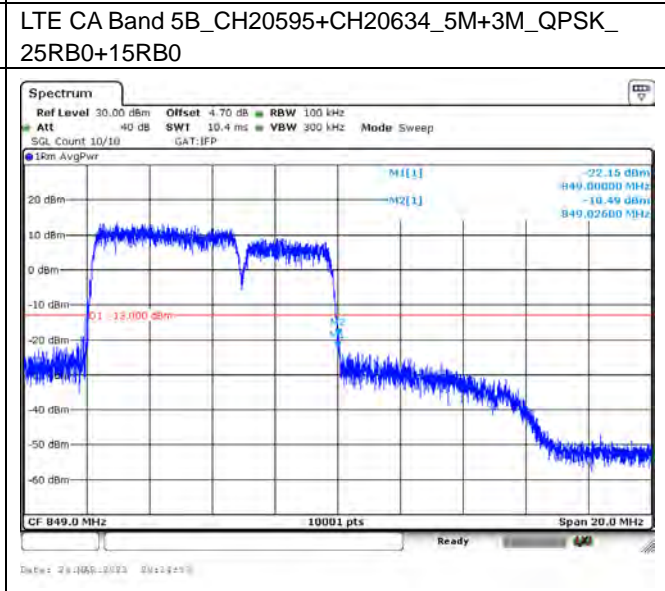
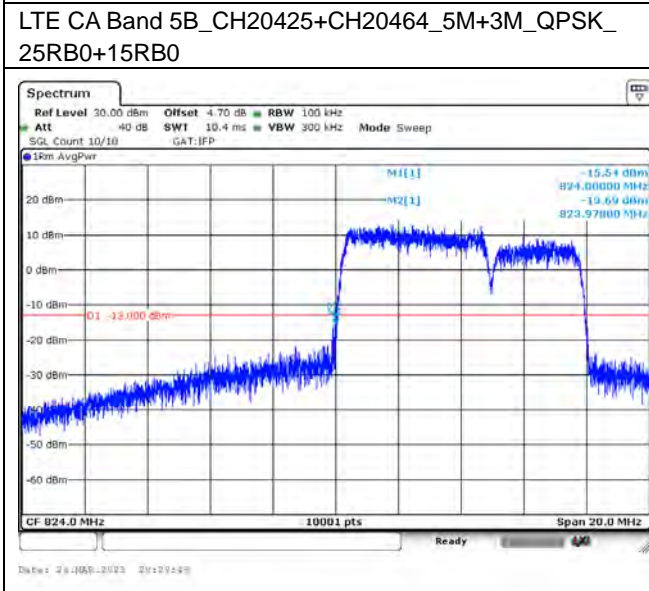
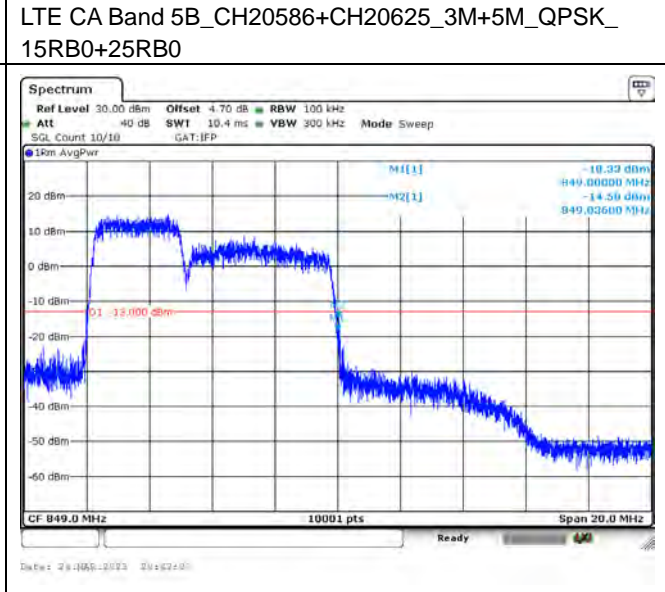
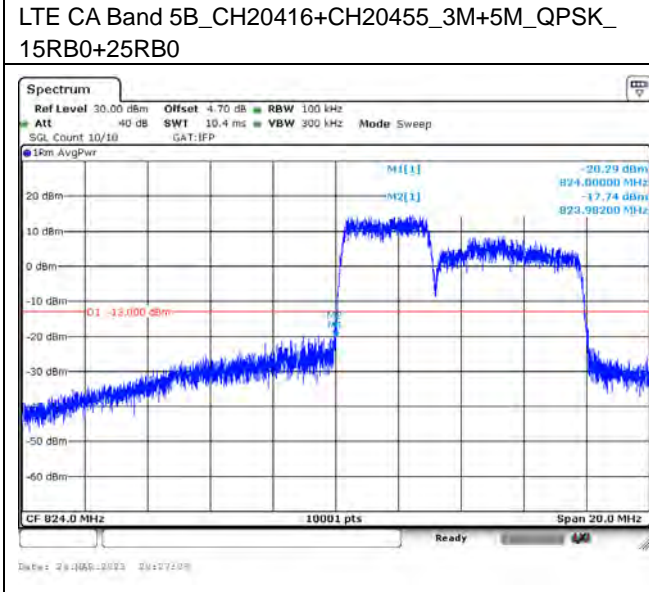


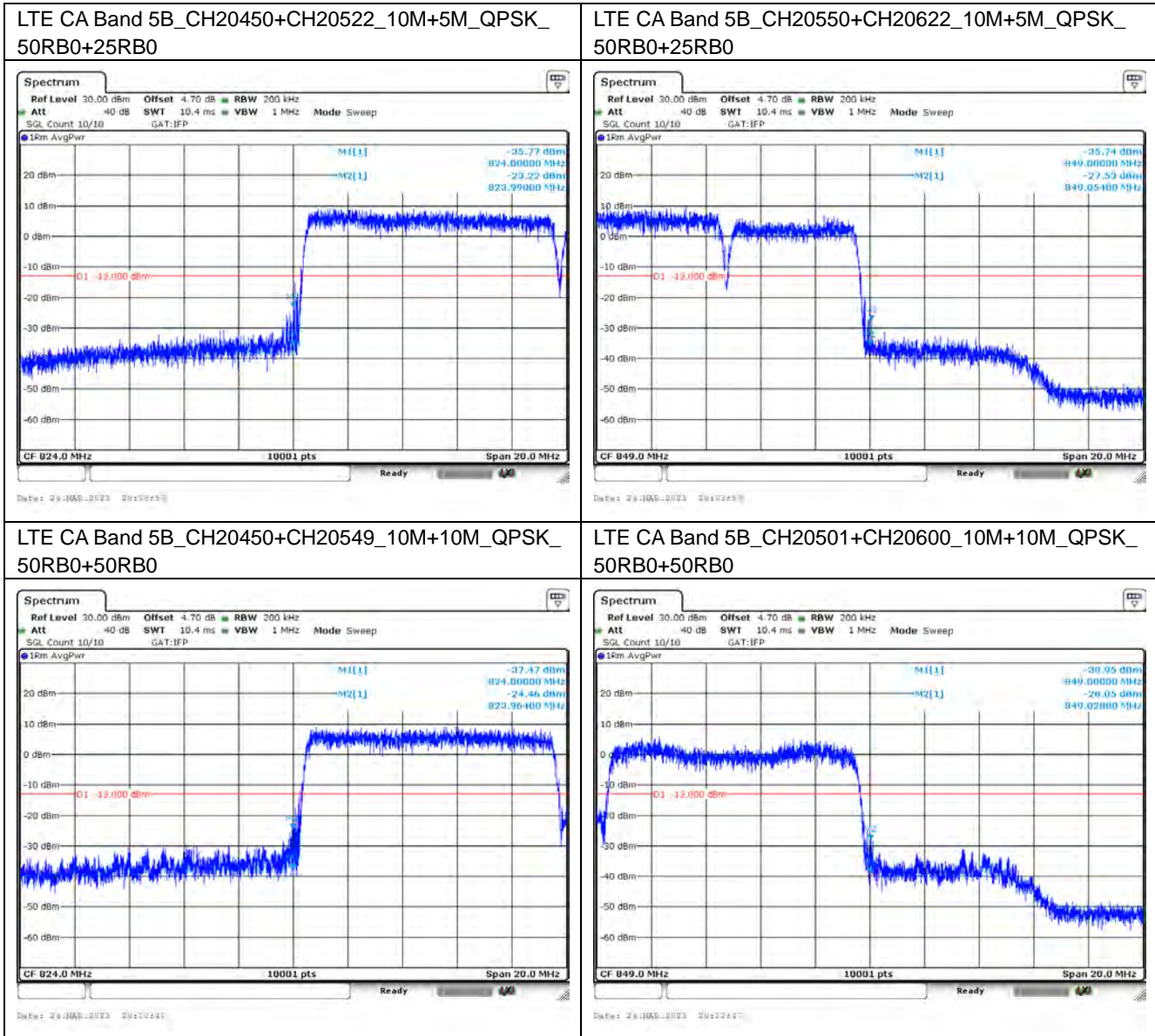






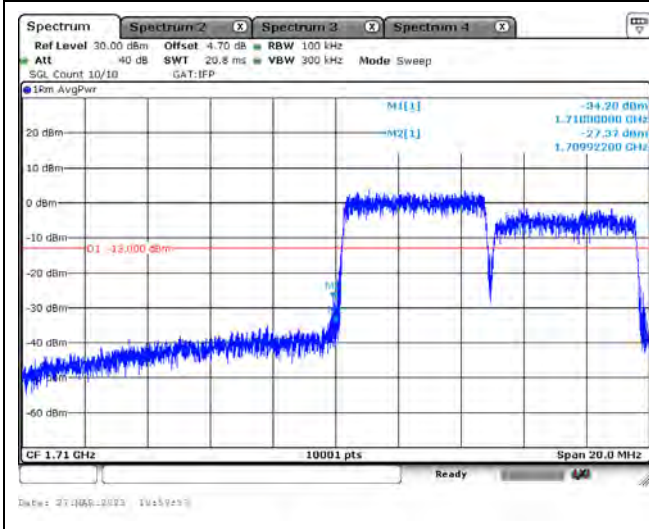
**Mode 5: LTE CA Band 5B**



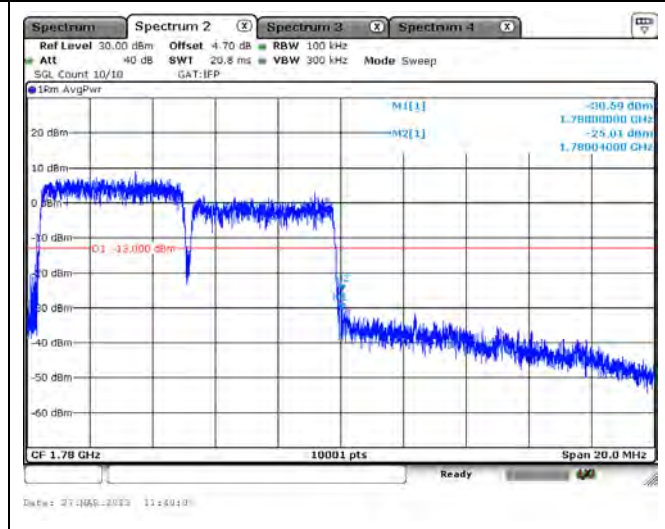


**Mode 6: LTE CA Band 66B**

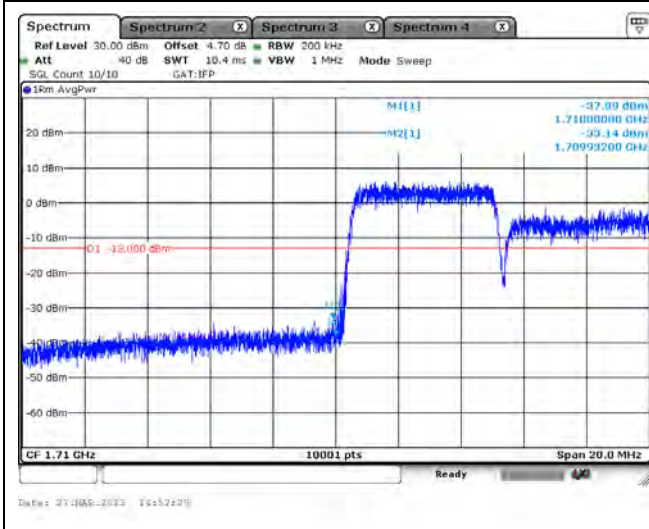
LTE CA Band 66B\_CH131997+CH132045\_5M+5M\_QPSK\_25RB0+25RB0



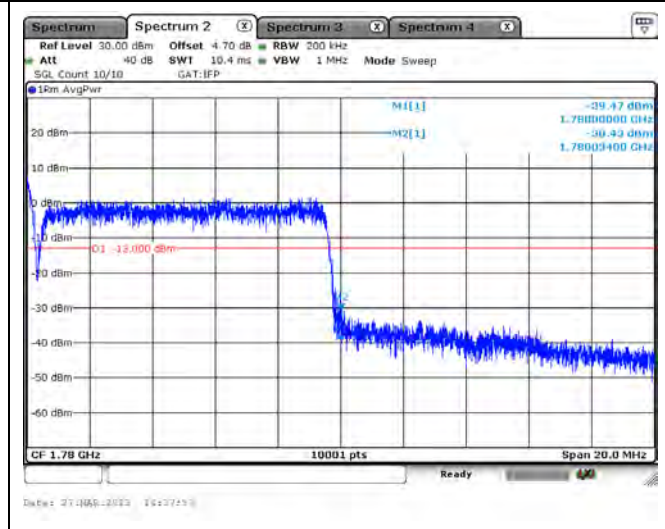
LTE CA Band 66B\_CH132599+CH132647\_5M+5M\_QPSK\_25RB0+25RB0



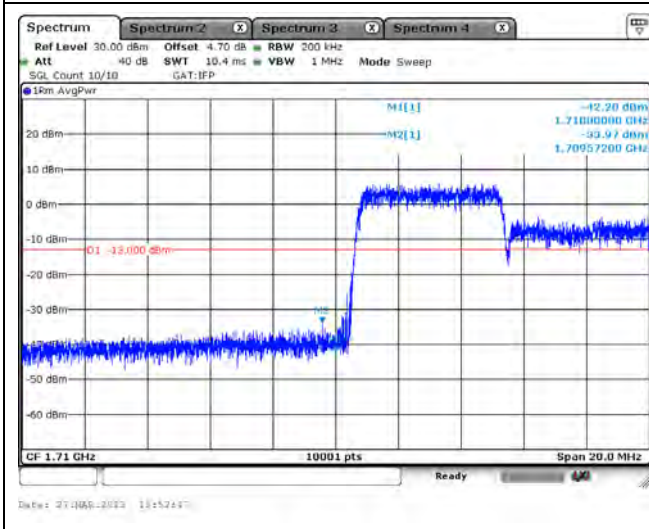
LTE CA Band 66B\_CH132000+CH132072\_5M+10M\_QPSK\_25RB0+50RB0



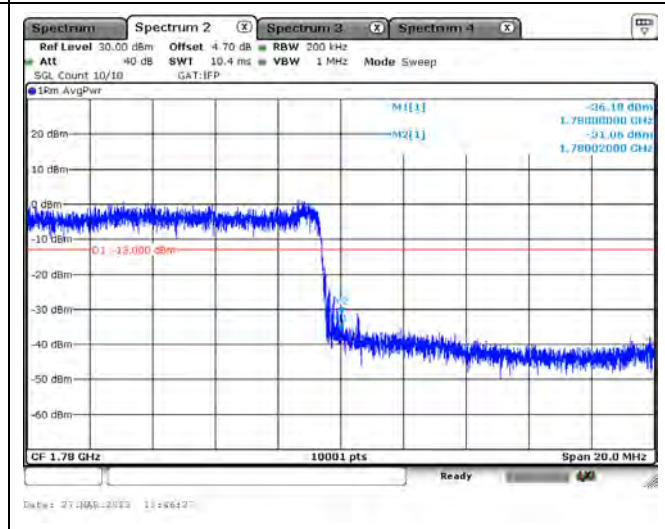
LTE CA Band 66B\_CH132550+CH132622\_5M+10M\_QPSK\_25RB0+50RB0



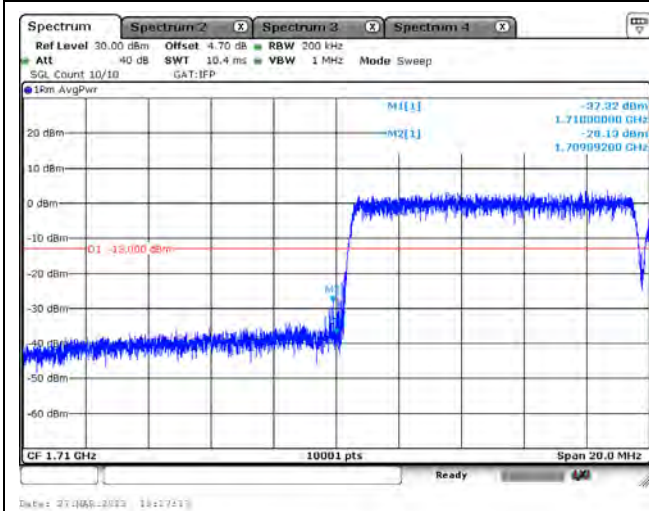
LTE CA Band 66B\_CH132002+CH132094\_5M+15M\_QPSK\_25RB0+75RB0



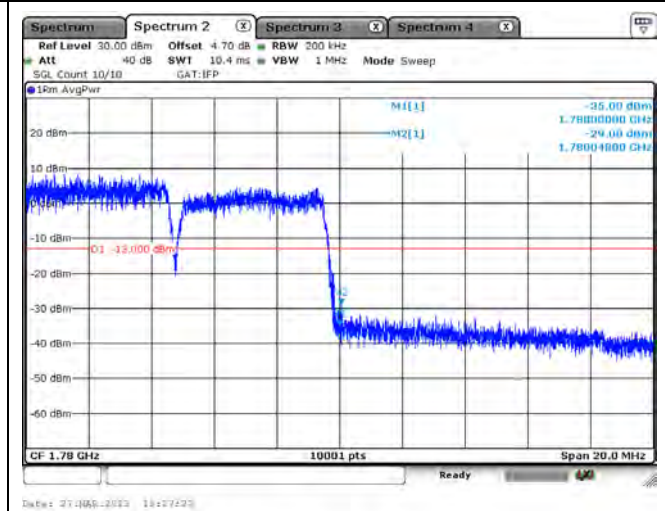
LTE CA Band 66B\_CH132504+CH132597\_5M+15M\_QPSK\_25RB0+75RB0



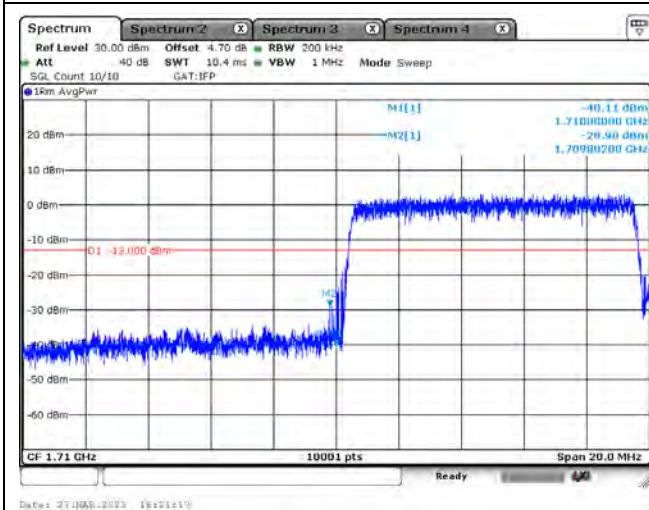
LTE CA Band 66B\_CH132022+CH132094\_10M+5M\_QPSK\_50RB0+50RB0



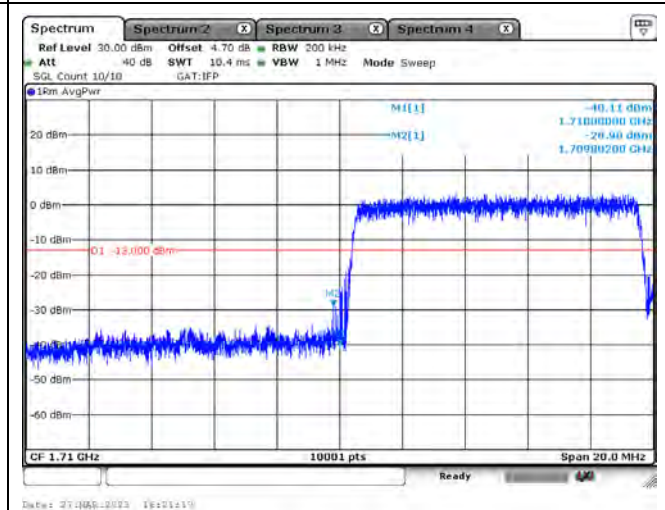
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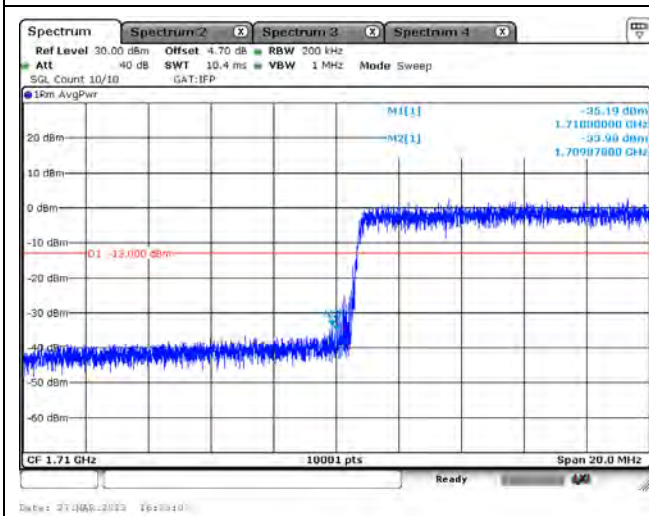
LTE CA Band 66B\_CH132022+CH132121\_10M+10M\_QPSK\_50RB0+50RB0



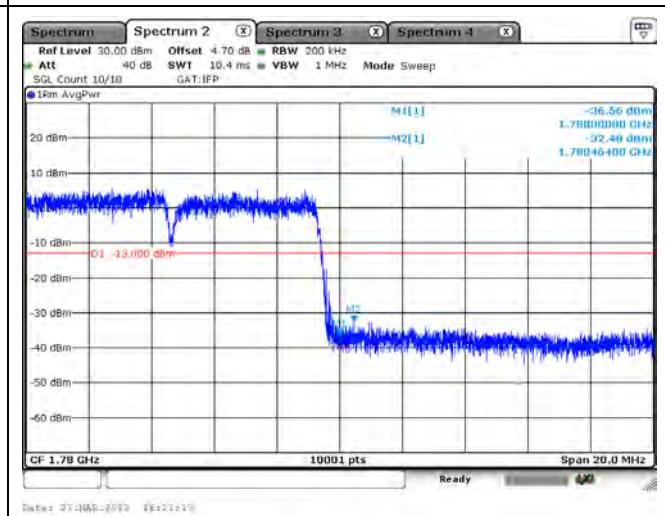
LTE CA Band 66B\_CH132523+CH132622\_10M+10M\_QPSK\_50RB0+50RB0



LTE CA Band 66B\_CH132047+CH132140\_15M+5M\_QPSK\_75RB0+25RB0

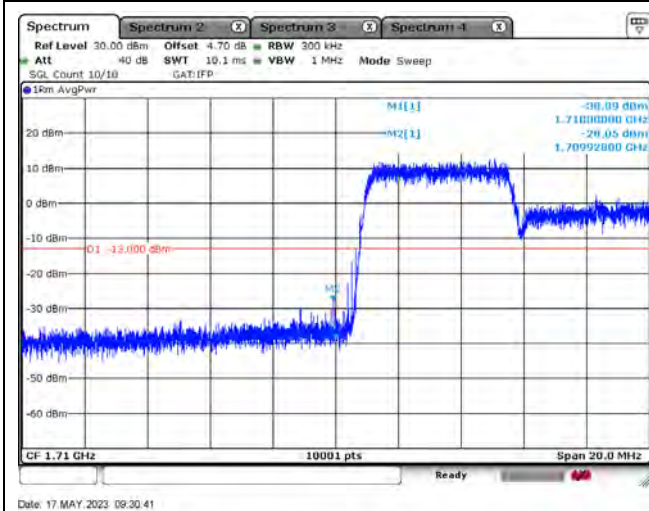


LTE CA Band 66B\_CH132549+CH132642\_15M+5M\_QPSK\_75RB0+25RB0

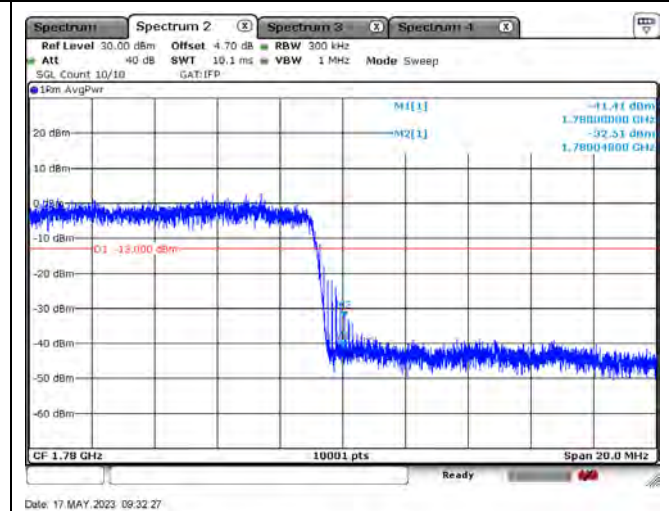


**Mode 7: LTE CA Band 66C**

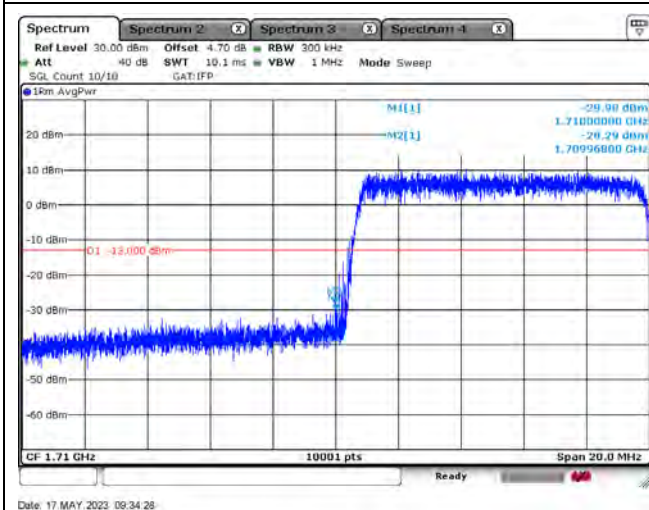
LTE CA Band 66C\_CH132005+CH132122\_5M+20M\_QPSK\_25RB0+100RB0



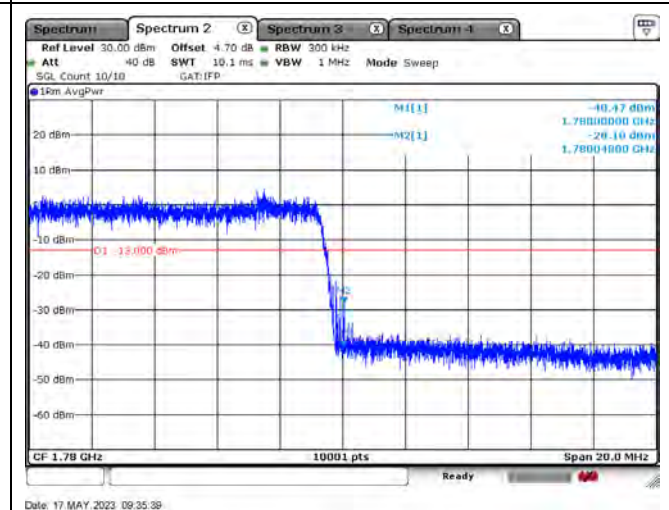
LTE CA Band 66C\_CH132455+CH132572\_5M+20M\_QPSK\_25RB0+100RB0



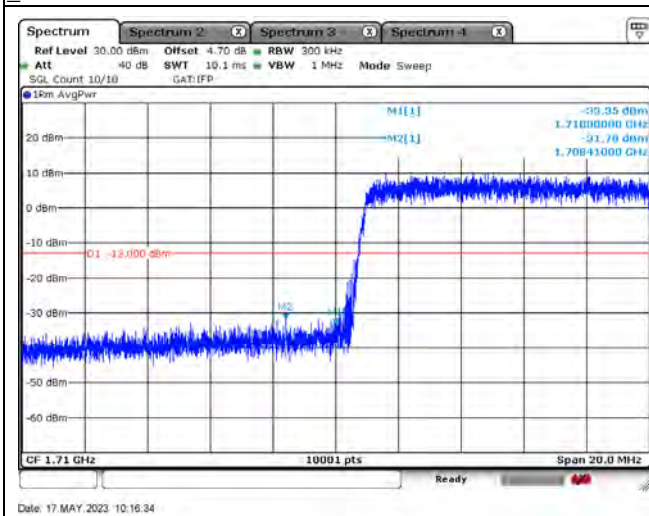
LTE CA Band 66C\_CH132025+CH132145\_10M+15M\_QPSK\_50RB0+75RB0



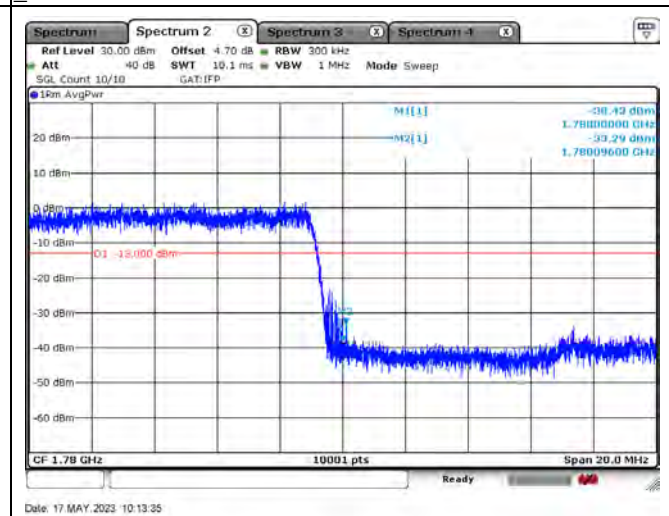
LTE CA Band 66C\_CH132477+CH132597\_10M+15M\_QPSK\_50RB0+75RB0



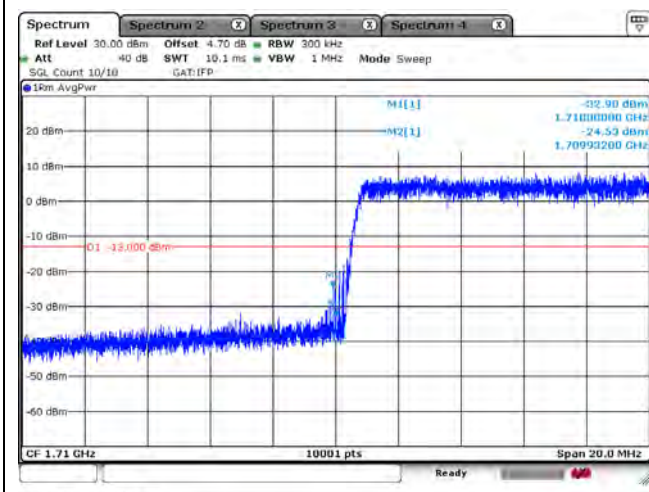
LTE CA Band 66C\_CH132027+CH132171\_10M+20M\_QPSK\_50RB0+100RB0



LTE CA Band 66C\_CH132428+CH132572\_10M+20M\_QPSK\_50RB0+100RB0

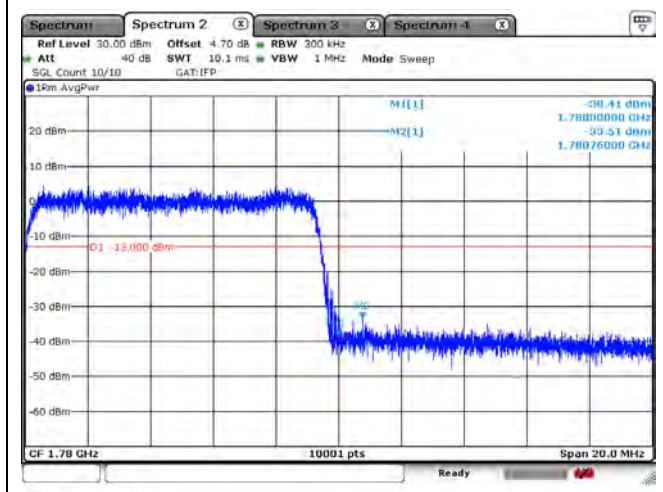


LTE CA Band 66C\_CH132047+CH132167\_15M+10M\_QPSK  
75RB0+50RB0



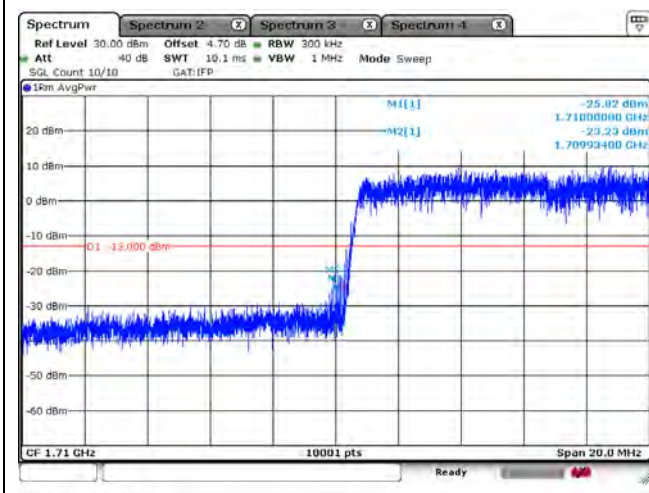
Date: 17 MAY 2023 10:19:20

LTE CA Band 66C\_CH132499+CH132619\_15M+10M\_QPSK  
75RB0+50RB0



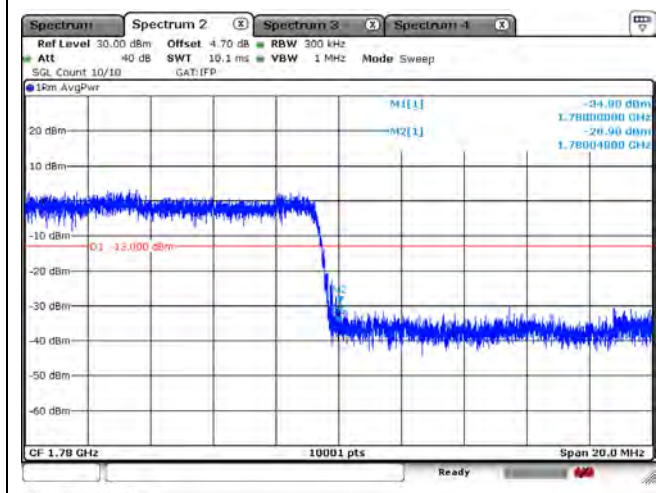
Date: 17 MAY 2023 10:20:38

LTE CA Band 66C\_CH132047+CH132197\_15M+15M\_QPSK  
75RB0+75RB0



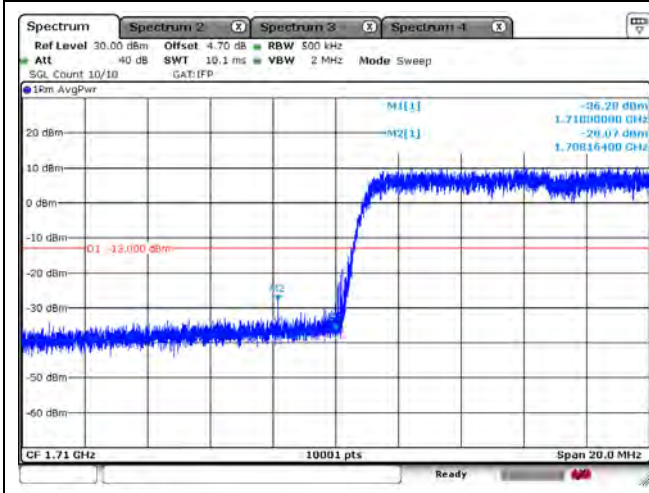
Date: 17 MAY 2023 10:25:16

LTE CA Band 66C\_CH132447+CH132597\_15M+15M\_QPSK  
75RB0+75RB0



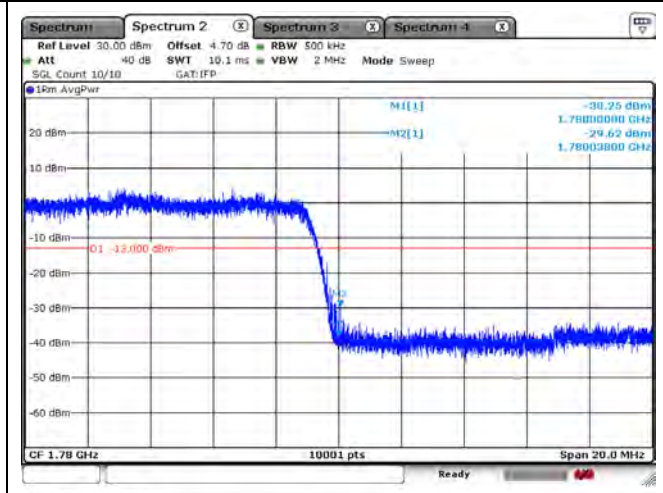
Date: 17 MAY 2023 10:23:12

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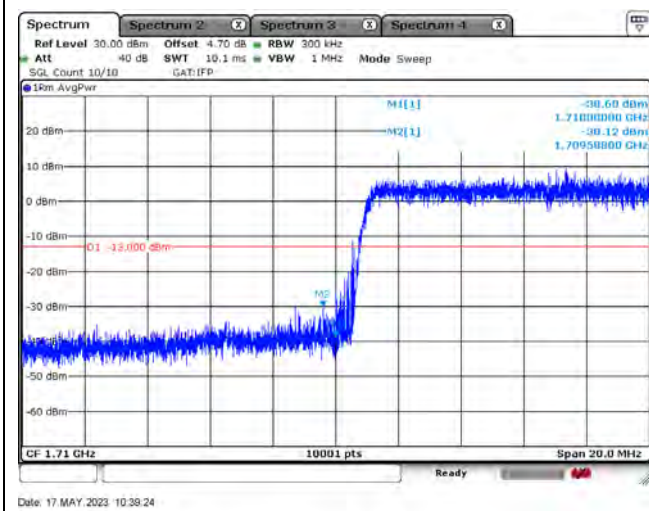
Date: 17 MAY 2023 10:35:00

LTE CA Band 66C\_CH132401+CH132572\_15M+20M  
QPSK\_75RB0+100RB0

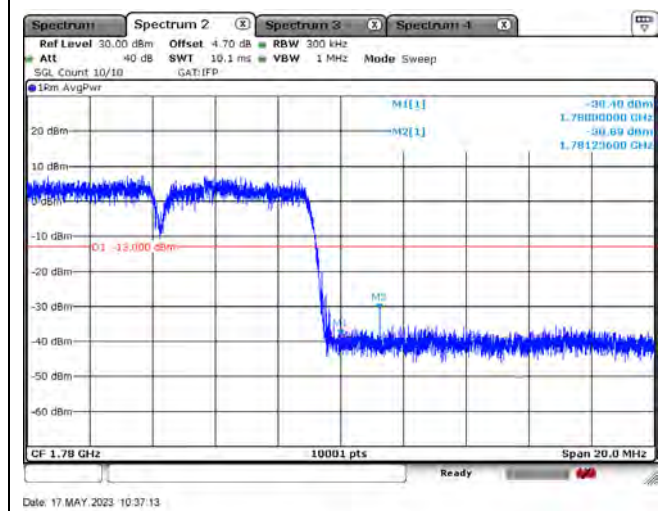


Date: 17 MAY 2023 10:35:44

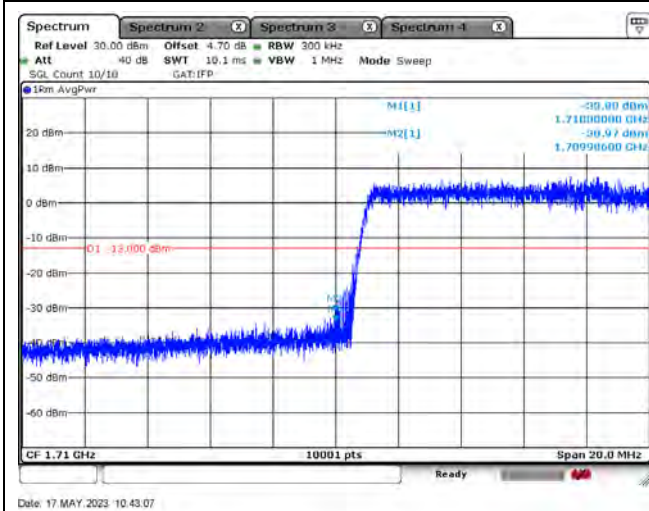
LTE CA Band 66C\_CH132072+CH132189\_20M+5M\_QPSK\_100RB0+25RB0



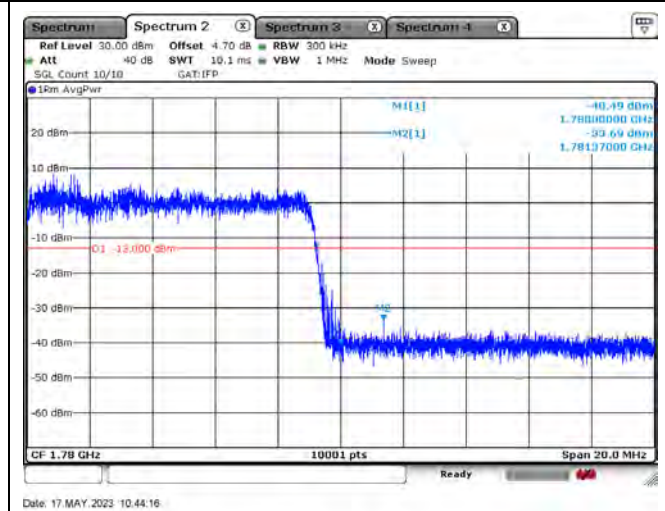
LTE CA Band 66C\_CH132522+CH132639\_20M+5M\_QPSK\_100RB0+25RB0



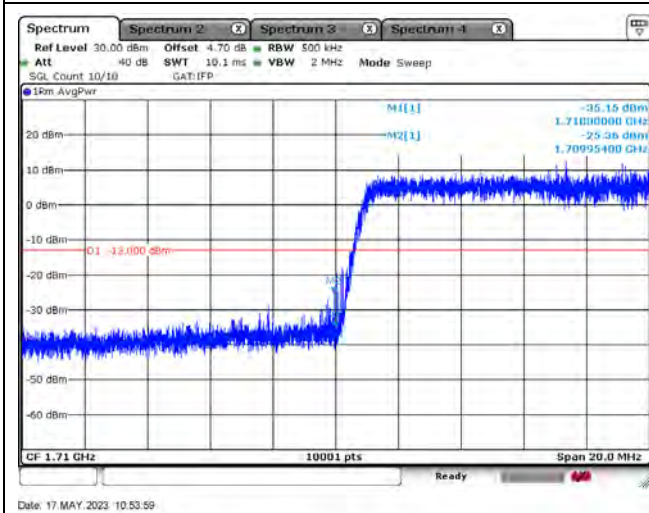
LTE CA Band 66C\_CH132072+CH132216\_20M+10M\_QPSK\_100RB0+50RB0



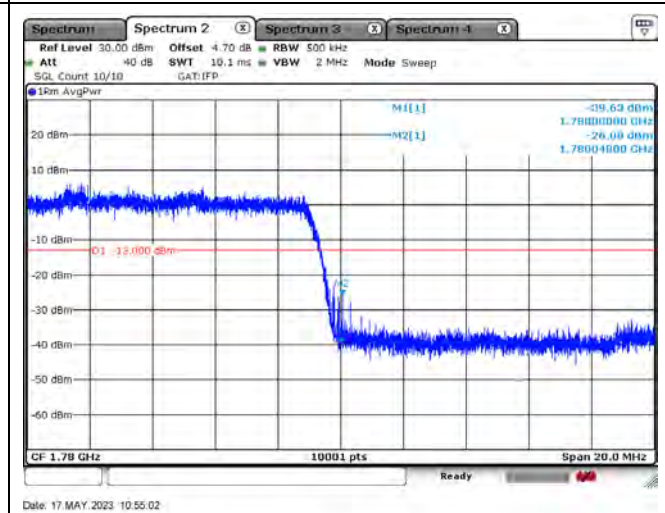
LTE CA Band 66C\_CH132473+CH132617\_20M+10M\_QPSK\_100RB0+50RB0



LTE CA Band 66C\_CH132072+CH132243\_20M+15M\_QPSK\_100RB0+75RB0

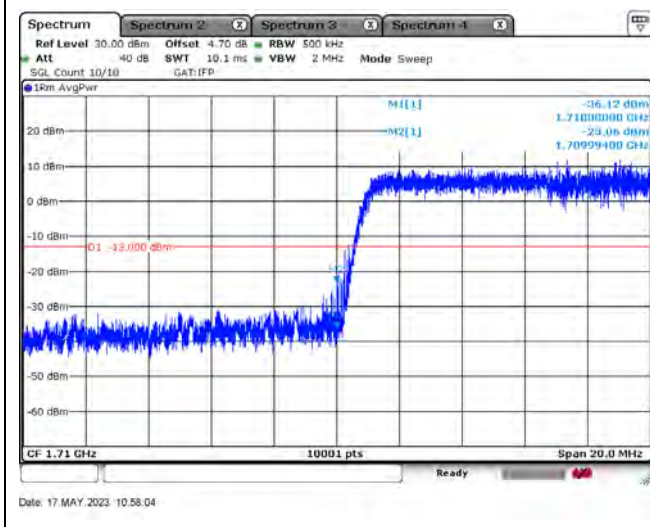


LTE CA Band 66C\_CH132423+CH132594\_20M+15M\_QPSK\_100RB0+75RB0

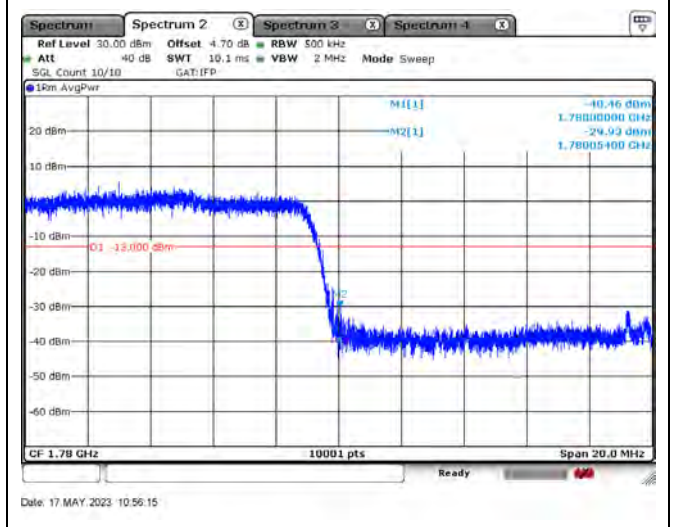




LTE CA Band 66C\_CH132072+CH132270\_20M+20M\_QPSK  
100RB0+100RB0



LTE CA Band 66C\_CH132374+CH132572\_20M+20M\_QPSK  
100RB0+100RB0



## Appendix F. Test Result of Frequency Stability

### Mode 1: LTE Band 2

#### LTE Band 2 / 1.4 MHz / 1850.7 MHz

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.13	0.0012
120.00	1.51	0.0017
102.00	2.25	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.21	0.0017
-20	1.99	0.0008
-10	2.17	0.0011
0	2.63	0.0013
10	2.67	0.0015
20	1.76	0.0017
30	2.02	0.0012
40	1.68	0.0015
50	2.17	0.0019

#### LTE Band 2 / 1.4 MHz / 1909.3 MHz

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	1.80	0.0009
120.00	2.23	0.0014
102.00	2.53	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.92	0.0011
-20	1.51	0.0010
-10	2.18	0.0014
0	2.87	0.0011
10	1.74	0.0006
20	2.33	0.0012
30	2.69	0.0009
40	2.74	0.0013
50	2.28	0.0007

**LTE Band 2 / 3 MHz / 1851.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	1.66	0.0018
120.00	1.52	0.0016
102.00	2.96	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.77	0.0016
-20	1.50	0.0014
-10	1.72	0.0011
0	2.95	0.0009
10	1.91	0.0013
20	1.92	0.0014
30	1.93	0.0015
40	1.74	0.0013
50	1.90	0.0018

**LTE Band 2 / 3 MHz / 1908.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	1.91	0.0017
120.00	1.68	0.0015
102.00	2.87	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.82	0.0012
-20	2.42	0.0013
-10	2.72	0.0013
0	1.76	0.0014
10	2.76	0.0008
20	2.01	0.0013
30	2.31	0.0015
40	1.86	0.0009
50	1.98	0.0013

**LTE Band 2 / 5 MHz / 1852.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.74	0.0006
120.00	2.47	0.0013
102.00	2.59	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.87	0.0008
-20	1.51	0.0013
-10	1.52	0.0011
0	2.56	0.0009
10	1.71	0.0005
20	1.52	0.0006
30	1.64	0.0007
40	1.62	0.0012
50	2.64	0.0014

**LTE Band 2 / 5 MHz / 1907.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.38	0.0017
120.00	2.46	0.0016
102.00	1.81	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.84	0.0015
-20	2.37	0.0016
-10	1.78	0.0019
0	2.05	0.0013
10	2.97	0.0015
20	2.84	0.0013
30	2.67	0.0015
40	2.20	0.0012
50	1.50	0.0015

**LTE Band 2 / 10 MHz / 1855 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	1.99	0.0009
120.00	2.28	0.0015
102.00	2.90	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.24	0.0012
-20	1.81	0.0009
-10	1.52	0.0010
0	1.83	0.0011
10	2.83	0.0008
20	2.67	0.0008
30	1.71	0.0015
40	1.83	0.0013
50	1.64	0.0009

**LTE Band 2 / 10 MHz / 1905 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.36	0.0014
120.00	1.58	0.0015
102.00	2.69	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.99	0.0015
-20	1.50	0.0006
-10	1.85	0.0014
0	2.71	0.0015
10	2.96	0.0009
20	2.59	0.0007
30	2.41	0.0008
40	1.54	0.0010
50	2.50	0.0011

**LTE Band 2 / 15 MHz / 1857.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.06	0.0007
120.00	2.57	0.0012
102.00	2.05	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.97	0.0012
-20	1.89	0.0007
-10	1.78	0.0008
0	1.84	0.0010
10	2.63	0.0009
20	1.69	0.0004
30	1.82	0.0014
40	1.54	0.0009
50	2.82	0.0009

**LTE Band 2 / 15 MHz / 1902.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.52	0.0012
120.00	2.56	0.0012
102.00	2.15	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.35	0.0009
-20	1.73	0.0007
-10	2.62	0.0011
0	1.92	0.0009
10	2.28	0.0008
20	1.72	0.0006
30	2.23	0.0013
40	2.14	0.0008
50	2.28	0.0011

**LTE Band 2 / 20 MHz / 1860 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	1.56	0.0008
120.00	2.67	0.0012
102.00	2.69	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.11	0.0011
-20	1.91	0.0012
-10	2.49	0.0011
0	1.73	0.0005
10	2.72	0.0014
20	1.56	0.0005
30	2.67	0.0012
40	2.11	0.0008
50	1.52	0.0008

**LTE Band 2 / 20 MHz / 1900 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	1.55	0.0012
120.00	2.28	0.0012
102.00	1.54	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.87	0.0011
-20	2.66	0.0007
-10	1.64	0.0008
0	1.59	0.0007
10	2.59	0.0013
20	2.79	0.0009
30	2.61	0.0011
40	2.05	0.0010
50	2.81	0.0014

**Mode 2: LTE Band 5****LTE Band 5 / 1.4 MHz / 824.7 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.34	0.0039
120.00	2.07	0.0038
102.00	2.21	0.0025

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.55	0.0041
-20	1.75	0.0024
-10	2.16	0.0032
0	2.32	0.0033
10	2.74	0.0032
20	1.76	0.0025
30	2.33	0.0020
40	1.50	0.0042
50	2.84	0.0032

**LTE Band 5 / 1.4 MHz / 848.3 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.21	0.0022
120.00	3.00	0.0034
102.00	2.38	0.0025

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.77	0.0024
-20	2.92	0.0019
-10	2.47	0.0025
0	2.73	0.0034
10	2.03	0.0038
20	1.60	0.0022
30	2.25	0.0037
40	1.97	0.0027
50	1.88	0.0028



**LTE Band 5 / 3 MHz / 825.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	1.95	0.0025
120.00	2.04	0.0030
102.00	1.70	0.0020

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.64	0.0027
-20	2.70	0.0017
-10	1.89	0.0030
0	2.26	0.0029
10	2.39	0.0021
20	2.45	0.0016
30	1.58	0.0021
40	2.08	0.0019
50	1.57	0.0034

**LTE Band 5 / 3 MHz / 847.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.42	0.0024
120.00	1.90	0.0029
102.00	1.98	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.47	0.0027
-20	1.82	0.0023
-10	2.90	0.0019
0	2.00	0.0022
10	3.00	0.0014
20	2.51	0.0030
30	1.78	0.0027
40	1.75	0.0030
50	2.37	0.0028

**LTE Band 5 / 5 MHz / 826.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.41	0.0028
120.00	2.89	0.0034
102.00	2.43	0.0022

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.00	0.0032
-20	1.95	0.0035
-10	2.44	0.0026
0	1.70	0.0033
10	2.92	0.0024
20	2.26	0.0021
30	1.89	0.0024
40	2.60	0.0039
50	1.79	0.0033

**LTE Band 5 / 5 MHz / 846.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	1.95	0.0019
120.00	2.52	0.0032
102.00	2.15	0.0034

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.36	0.0033
-20	2.62	0.0026
-10	1.75	0.0040
0	2.73	0.0029
10	2.93	0.0023
20	1.58	0.0016
30	1.55	0.0019
40	2.33	0.0029
50	2.93	0.0027

**LTE Band 5 / 10 MHz / 829 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.47	0.0028
120.00	2.75	0.0030
102.00	1.64	0.0028

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.78	0.0031
-20	2.39	0.0018
-10	2.58	0.0017
0	1.62	0.0021
10	1.53	0.0019
20	2.23	0.0018
30	1.52	0.0021
40	2.69	0.0027
50	2.73	0.0027

**LTE Band 5 / 10 MHz / 844 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.15	0.0040
120.00	2.28	0.0030
102.00	2.20	0.0023

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.93	0.0023
-20	1.59	0.0033
-10	2.02	0.0012
0	1.98	0.0023
10	2.05	0.0026
20	2.05	0.0024
30	1.84	0.0021
40	2.68	0.0032
50	1.77	0.0023

**Mode 3: LTE Band 13****LTE Band 13 / 5 MHz / 779.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.27	0.0028
120.00	2.49	0.0031
102.00	2.77	0.0025

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.00	0.0030
-20	2.63	0.0028
-10	2.61	0.0031
0	2.96	0.0036
10	2.47	0.0019
20	1.53	0.0023
30	2.62	0.0014
40	1.65	0.0028
50	1.70	0.0028

**Mode 3: LTE Band 13****LTE Band 13 / 5 MHz / 784.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.43	0.0022
120.00	2.68	0.0032
102.00	1.89	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.11	0.0029
-20	2.70	0.0024
-10	1.85	0.0035
0	1.54	0.0029
10	2.40	0.0018
20	2.17	0.0028
30	1.70	0.0025
40	1.70	0.0030
50	2.92	0.0025

**LTE Band 13 / 10 MHz / 782 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.06	0.0020
120.00	2.33	0.0030
102.00	2.69	0.0025

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.55	0.0028
-20	2.12	0.0028
-10	2.37	0.0024
0	2.05	0.0035
10	2.59	0.0014
20	2.85	0.0018
30	1.64	0.0034
40	1.91	0.0021
50	1.50	0.0018

**Mode 4: LTE Band 66****LTE Band 66 / 1.4 MHz / 1710.7 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	1.78	0.0011
120.00	2.36	0.0015
102.00	2.76	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.14	0.0010
-20	2.65	0.0013
-10	2.70	0.0009
0	2.59	0.0009
10	2.47	0.0016
20	1.88	0.0006
30	1.97	0.0014
40	2.62	0.0014
50	2.36	0.0008

**LTE Band 66 / 1.4 MHz / 1779.3 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.19	0.0016
120.00	1.50	0.0013
102.00	2.16	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.21	0.0007
-20	2.33	0.0007
-10	2.80	0.0005
0	2.59	0.0011
10	1.93	0.0016
20	2.08	0.0009
30	2.35	0.0011
40	2.07	0.0010
50	1.99	0.0013

**LTE Band 66 / 5 MHz / 1712.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	1.73	0.0016
120.00	2.09	0.0017
102.00	1.70	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.78	0.0016
-20	1.82	0.0010
-10	2.09	0.0015
0	2.98	0.0016
10	1.97	0.0016
20	2.93	0.0016
30	2.17	0.0019
40	2.70	0.0015
50	2.25	0.0016

**LTE Band 66 / 5 MHz / 1777.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	1.95	0.0016
120.00	1.97	0.0016
102.00	2.59	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.65	0.0011
-20	2.07	0.0020
-10	1.96	0.0014
0	2.51	0.0013
10	1.91	0.0011
20	2.18	0.0014
30	2.13	0.0015
40	2.67	0.0012
50	2.31	0.0011

**LTE Band 66 / 10 MHz / 1715 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.80	0.0006
120.00	2.30	0.0013
102.00	2.74	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.88	0.0008
-20	2.60	0.0009
-10	1.76	0.0004
0	1.82	0.0008
10	2.78	0.0009
20	2.23	0.0011
30	2.69	0.0009
40	2.35	0.0013
50	1.56	0.0009

**LTE Band 7 / 10 MHz / 1775 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.34	0.0008
120.00	2.57	0.0013
102.00	2.77	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.18	0.0008
-20	2.52	0.0007
-10	2.73	0.0008
0	2.03	0.0013
10	2.98	0.0004
20	1.65	0.0009
30	2.52	0.0009
40	1.94	0.0006
50	2.37	0.0010



**LTE Band 66 / 15 MHz / 1717.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	1.52	0.0011
120.00	2.52	0.0014
102.00	1.60	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.05	0.0014
-20	1.85	0.0014
-10	1.80	0.0016
0	2.59	0.0016
10	2.86	0.0012
20	2.45	0.0011
30	1.94	0.0007
40	2.33	0.0015
50	2.10	0.0017

**LTE Band 66 / 15 MHz / 1772.5 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.77	0.0017
120.00	2.06	0.0016
102.00	2.57	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.10	0.0008
-20	2.28	0.0012
-10	2.87	0.0014
0	2.19	0.0015
10	2.88	0.0017
20	2.93	0.0009
30	2.65	0.0014
40	1.66	0.0011
50	2.44	0.0011

**LTE Band 66 / 20 MHz / 1720 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.14	0.0016
120.00	1.81	0.0017
102.00	1.57	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.74	0.0015
-20	1.62	0.0017
-10	2.83	0.0012
0	2.09	0.0014
10	1.81	0.0011
20	2.38	0.0017
30	2.10	0.0009
40	1.70	0.0015
50	2.34	0.0013

**LTE Band 66 / 20 MHz / 1770 MHz**

Voltage (VAC)	Frequency Stability (Hz)	Frequency Stability (ppm)
138.00	2.80	0.0009
120.00	2.71	0.0015
102.00	2.45	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.53	0.0014
-20	2.88	0.0016
-10	2.85	0.0010
0	1.60	0.0010
10	1.52	0.0013
20	2.01	0.0012
30	1.50	0.0014
40	2.86	0.0008
50	2.39	0.0009