Appendix A. Test Result of RF Output Power

Mode 1: LTE Band 30

Mode					Conducted Power				EIRP Power				Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	QPSK EIRP(W)	16-QAM EIRP(W)	64-QAM EIRP(W)	256-QAM EIRP(W)	Limit EIRP(W)
5	27685	2307.5	1	0	20.96	20.41	19.66	16.51	0.242	0.213	0.179	0.087	0.25
5	27685	2307.5	1	12	20.91	20.40	19.52	16.36	0.239	0.212	0.173	0.084	0.25
5	27685	2307.5	1	24	20.92	20.45	19.61	16.41	0.239	0.215	0.177	0.085	0.25
5	27685	2307.5	25	0	19.95	19.05	18.04	16.02	0.191	0.156	0.123	0.077	0.25
5	27710	2310	1	0	20.97	20.66	19.63	16.74	0.242	0.225	0.178	0.091	0.25
5	27710	2310	1	12	20.93	20.48	19.48	16.45	0.240	0.216	0.172	0.086	0.25
5	27710	2310	1	24	20.95	20.50	19.53	16.59	0.241	0.217	0.174	0.088	0.25
5	27710	2310	25	0	20.03	19.02	17.98	16.12	0.195	0.155	0.122	0.079	0.25
5	27735	2312.5	1	0	20.97	20.51	19.71	16.61	0.242	0.218	0.181	0.089	0.25
5	27735	2312.5	1	12	20.91	20.38	19.53	16.44	0.239	0.211	0.174	0.085	0.25
5	27735	2312.5	1	24	20.93	20.46	19.58	16.53	0.240	0.215	0.176	0.087	0.25
5	27735	2312.5	25	0	19.97	18.99	18.05	16.08	0.192	0.153	0.124	0.079	0.25
10	27710	2310	1	0	20.98	20.70	19.51	16.41	0.243	0.228	0.173	0.085	0.25
10	27710	2310	1	24	20.88	20.35	19.21	16.13	0.237	0.210	0.161	0.079	0.25
10	27710	2310	1	49	20.95	20.46	19.38	16.29	0.241	0.215	0.168	0.082	0.25
10	27710	2310	50	0	20.01	19.00	17.99	16.00	0.194	0.154	0.122	0.077	0.25

Note:

1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

2. EIRP (W) = $(10^{(Power(dBm)/10)})*10^{-3}$

Mode 2: 5GNR n30

Mode					Conducted Power					EIRP Power					Limit
BW (MHz)	Channel	Frequency (MHz)	RB No.	RB offset	PI/2 BPSK (dBm)	QPSK (dBm)	16-QAM (dBm)	64-QAM (dBm)	256-QAM (dBm)	PI/2 BPSK EIRP(W)	QPSK EIRP(W)	16-QAM EIRP(W)	64-QAM EIRP(W)	256-QAM EIRP(W)	Limit EIRP(W)
10	462000	2310	1	0	20.72	20.23	19.32	18.73	16.33	0.229	0.204	0.166	0.145	0.083	0.25
10	462000	2310	1	26	20.99	20.96	20.32	18.86	16.72	0.243	0.242	0.208	0.149	0.091	0.25
10	462000	2310	1	51	20.69	20.27	19.38	18.68	16.31	0.227	0.206	0.168	0.143	0.083	0.25
10	462000	2310	50	0	20.76	20.28	19.30	18.71	16.69	0.231	0.207	0.165	0.144	0.090	0.25
10	462000	2310	50	2	20.67	20.26	19.28	18.64	16.67	0.226	0.206	0.164	0.142	0.090	0.25

Note:

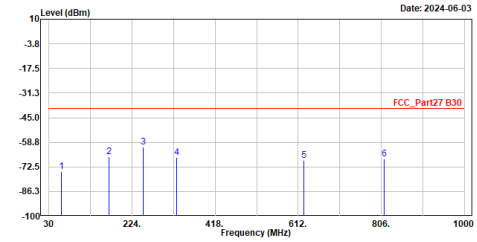
1. EIRP (dBm) = Conducted Output Power (dBm) + Antenna Gain (dBi)

2. EIRP (W) = $(10^{(\text{Power(dBm)}/10)})*10^{-3}$

Appendix B. Test Result of Spurious Emission

Mode 1: LTE Band 30

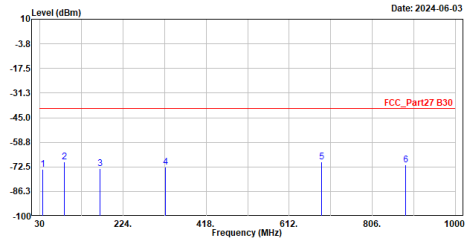
Site :HY-CB03
Condition :3m Horizontal
Mode :LTE B30_10M_QPSK_1RB0_CH27710
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	59.100	-75.22	-40.00	-35.22	-60.65	-14.57	Peak
2	170.650	-66.82	-40.00	-26.82	-52.12	-14.70	Peak
3	250.190	-61.29	-40.00	-21.29	-46.20	-15.09	Peak
4	327.790	-67.07	-40.00	-27.07	-54.77	-12.30	Peak
5	625.580	-69.05	-40.00	-29.05	-63.61	-5.44	Peak
6	812.790	-68.08	-40.00	-28.08	-65.38	-2.70	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.

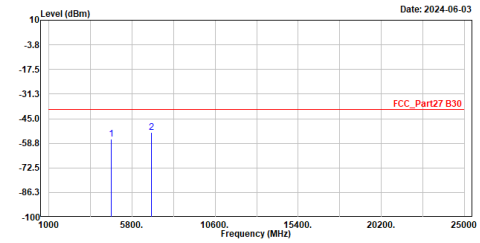
Site :HY-CB03
Condition :3m Vertical
Mode :LTE B30_10M_QPSK_1RB0_CH27710
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	36.790	-73.75	-40.00	-33.75	-58.86	-14.89	Peak
2	86.260	-69.80	-40.00	-29.80	-49.56	-20.24	Peak
3	169.680	-73.51	-40.00	-33.51	-58.80	-14.71	Peak
4	322.940	-72.74	-40.00	-32.74	-60.25	-12.49	Peak
5	687.660	-69.75	-40.00	-29.75	-65.29	-4.46	Peak
6	883.600	-71.48	-40.00	-31.48	-69.38	-2.10	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.

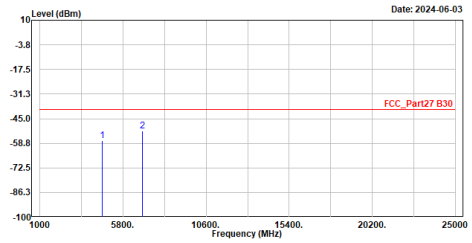
Site :HY-CB03
Condition :3m Horizontal
Mode :LTE B30_10M_QPSK_1RB0_CH27710
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	4610.400	-56.42	-40.00	-16.42	-53.18	-3.24	Peak
2	6915.600	-52.49	-40.00	-12.49	-57.25	4.76	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.

Site :HY-CB03
Condition :3m Vertical
Mode :LTE B30_10M_QPSK_1RB0_CH27710
Test BY :Ashton

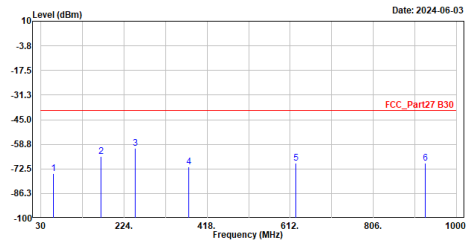


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	4610.400	-57.21	-40.00	-17.21	-53.97	-3.24	Peak
2	6915.600	-51.71	-40.00	-11.71	-56.47	4.76	Peak

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.

Mode 2: 5GNR n30

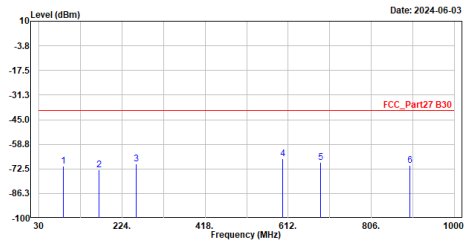
Site :HY-CB03
Condition :3m Horizontal
Mode :5GNR n30_10M_BPSK_1RB26_CH462000
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	59.100	-75.24	-40.00	-35.24	-60.67	-14.57	Peak
2	170.650	-65.42	-40.00	-25.42	-50.72	-14.70	Peak
3	250.190	-60.98	-40.00	-20.98	-45.89	-15.09	Peak
4	375.320	-71.42	-40.00	-31.42	-60.28	-11.14	Peak
5	625.580	-69.28	-40.00	-29.28	-63.84	-5.44	Peak
6	927.250	-69.14	-40.00	-29.14	-68.05	-1.09	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.

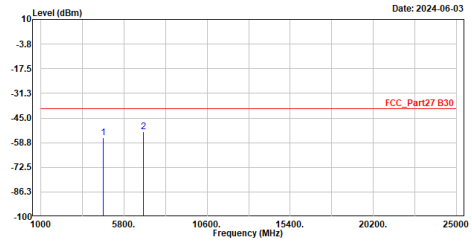
Site :HY-CB03
Condition :3m Vertical
Mode :5GNR n30_10M_BPSK_1RB26_CH462000
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	86.260	-70.88	-40.00	-30.88	-50.64	-20.24	Peak
2	169.680	-72.84	-40.00	-32.84	-58.13	-14.71	Peak
3	256.980	-69.84	-40.00	-29.84	-54.91	-14.93	Peak
4	599.390	-66.69	-40.00	-26.69	-61.10	-5.59	Peak
5	687.650	-68.96	-40.00	-28.96	-64.50	-4.46	Peak
6	896.210	-70.65	-40.00	-30.65	-68.87	-1.78	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.

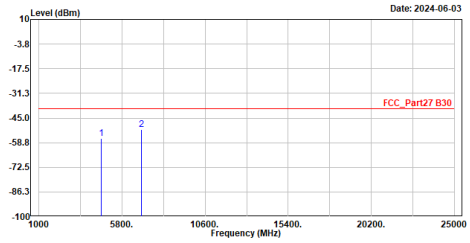
Site :HY-CB03
Condition :3m Horizontal
Mode :5GNR n30_10M_BPSK_1RB26_CH462000
Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	4620.000	-55.80	-40.00	-15.80	-52.63	-3.17	Peak
2	6930.000	-52.64	-40.00	-12.64	-57.42	4.78	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.

Site :HY-CB03
Condition :3m Vertical
Mode :5GNR n30_10M_BPSK_1RB26_CH462000
Test BY :Ashton



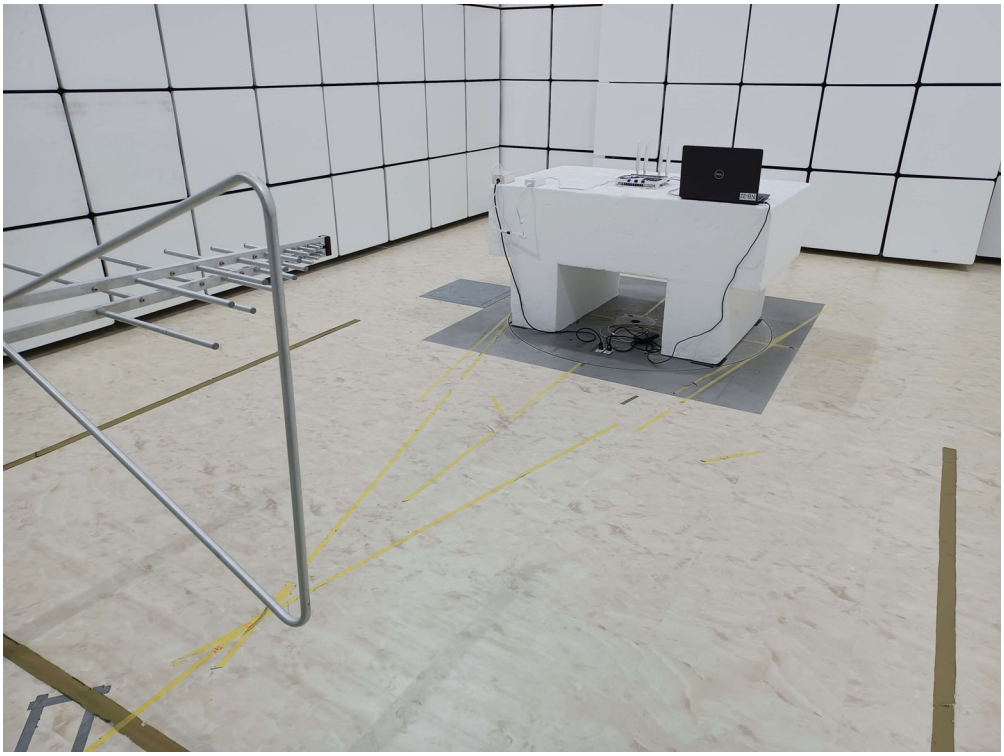
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	4620.000	-56.53	-40.00	-16.53	-53.36	-3.17	Peak
2	6930.000	-51.59	-40.00	-11.59	-56.37	4.78	Peak

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.

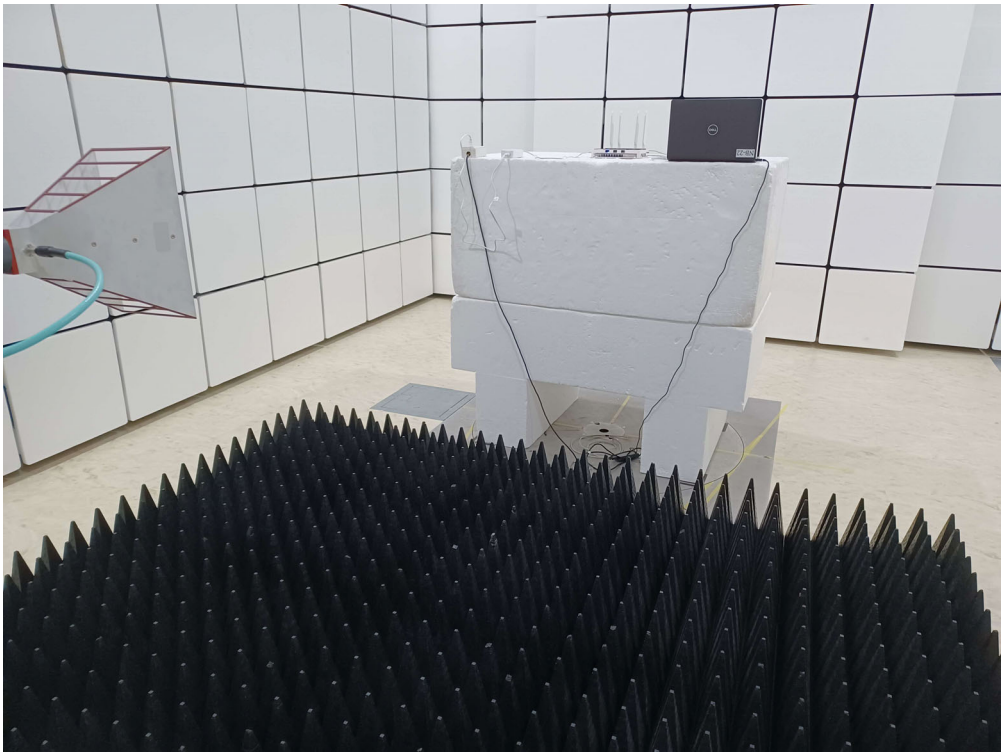
Appendix C. Test Setup Photograph

<Radiated Emission>

Description： Radiated Emission Test Setup (below 1 GHz)



Description： Radiated Emission Test Setup (1 GHz to 18 GHz)



Description： Radiated Emission Test Setup (above 18 GHz)