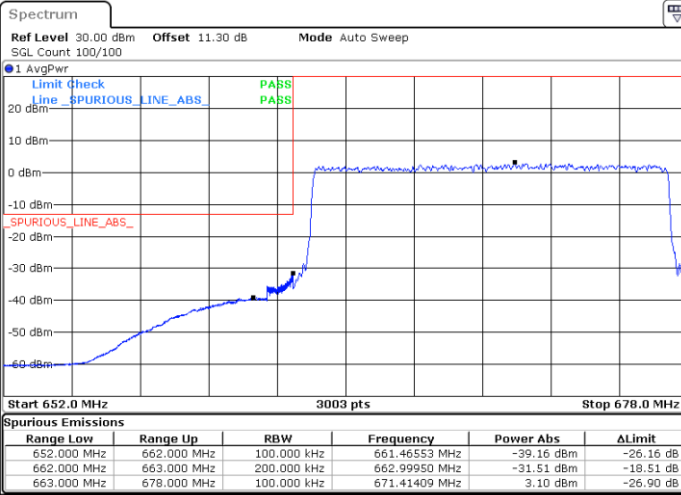




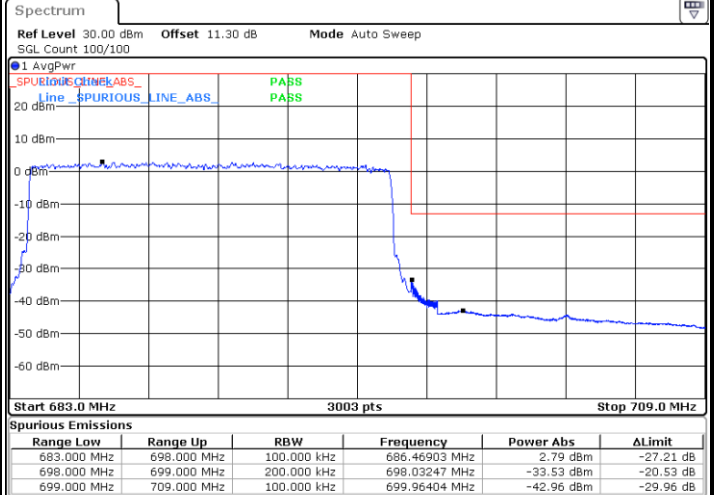
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 3.AUG.2023 21:29:14

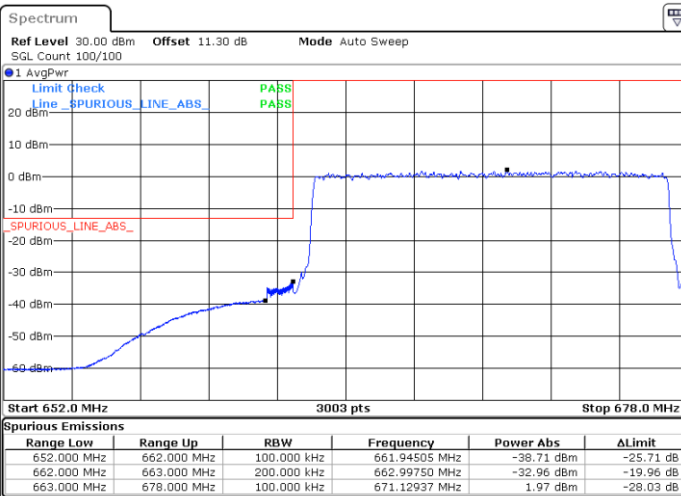
Highest Band Edge / Full RB



Date: 3.AUG.2023 21:34:11

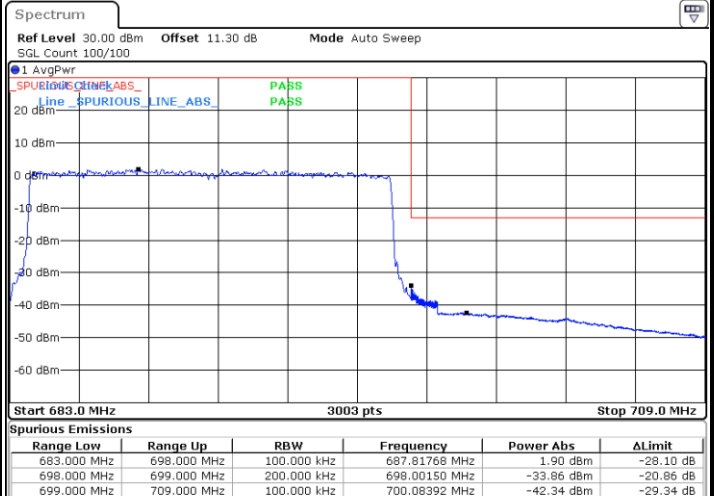
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 3.AUG.2023 21:30:46

Highest Band Edge / Full RB

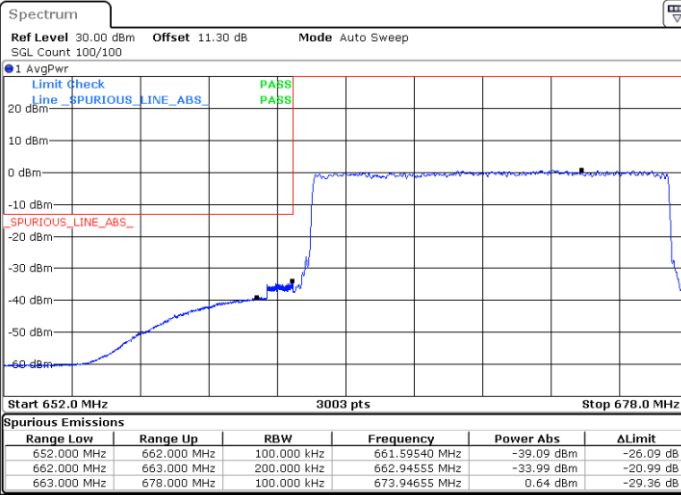


Date: 3.AUG.2023 21:35:41



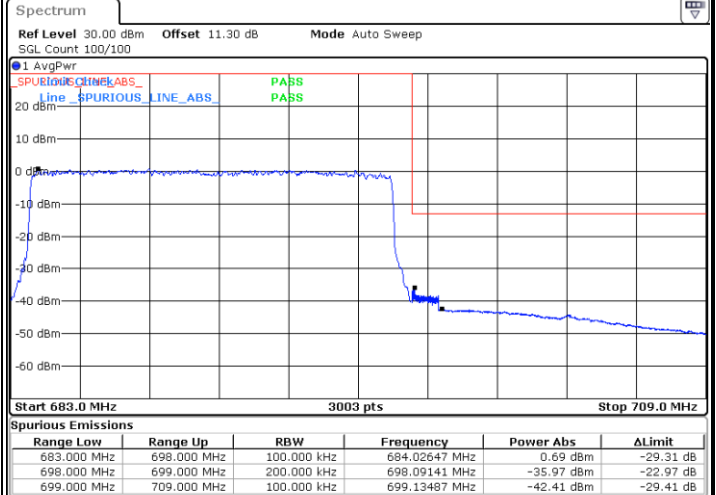
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 3.AUG.2023 21:37:12

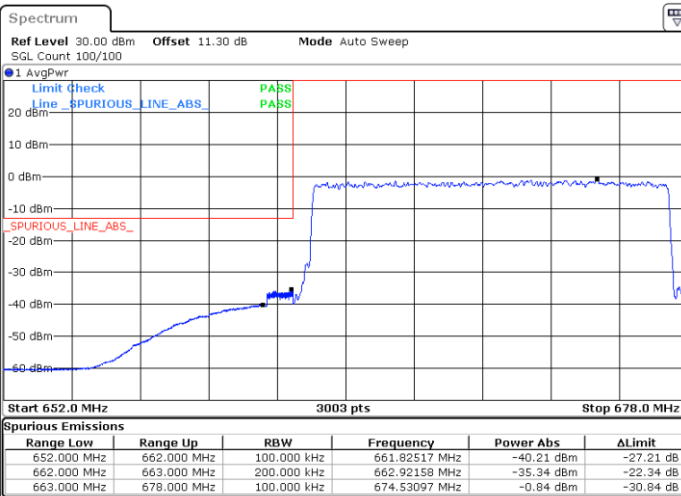
Highest Band Edge / Full RB



Date: 3.AUG.2023 21:39:27

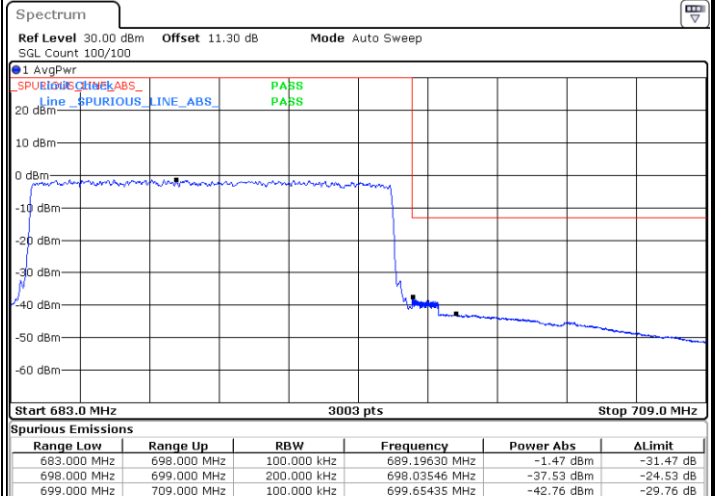
LTE Band 71 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 3.AUG.2023 22:41:28

Highest Band Edge / Full RB

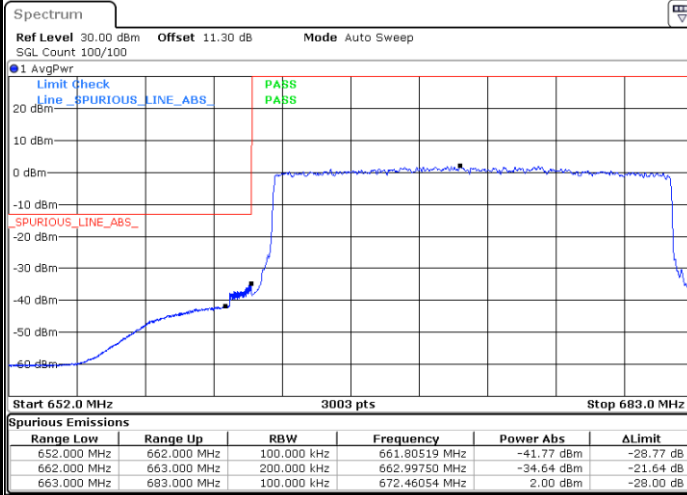


Date: 3.AUG.2023 22:43:41



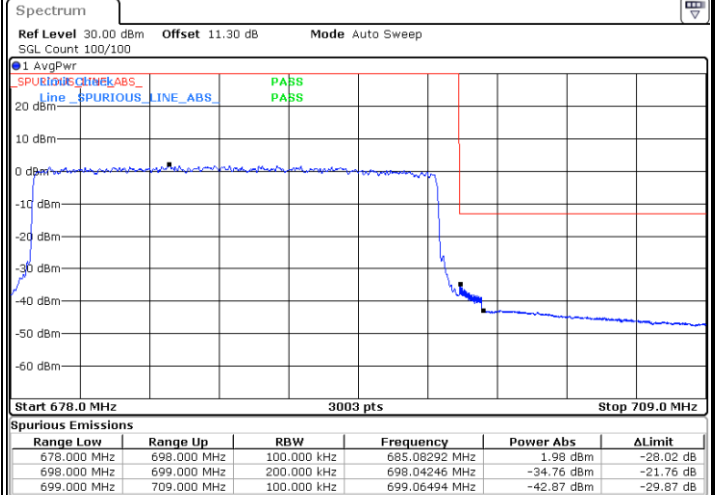
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 3.AUG.2023 21:47:45

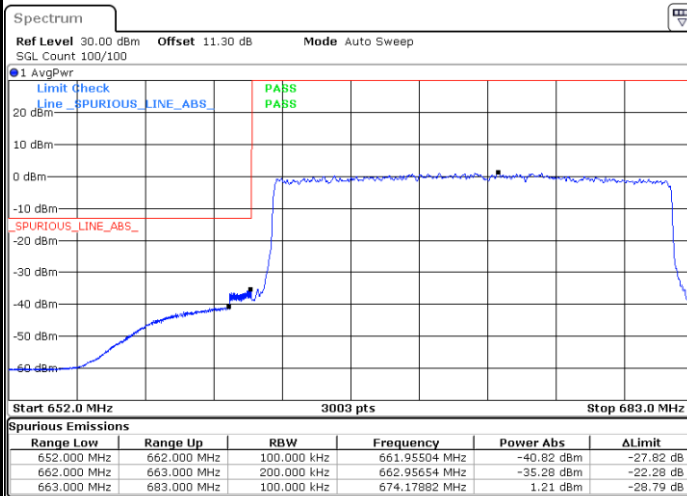
Highest Band Edge / Full RB



Date: 3.AUG.2023 21:54:10

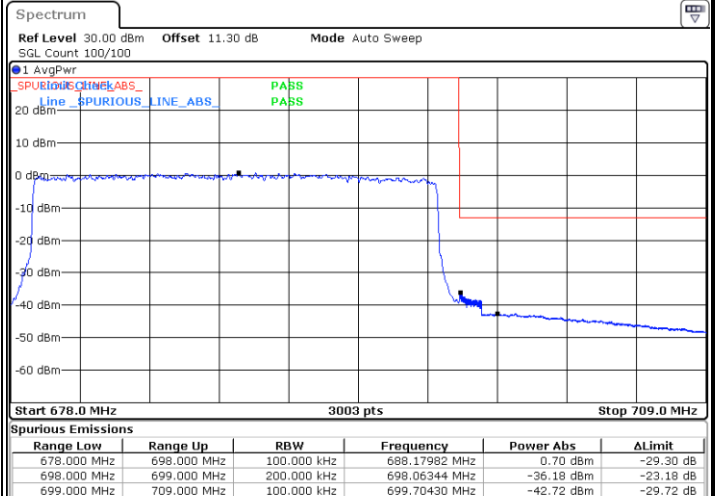
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 3.AUG.2023 21:49:15

Highest Band Edge / Full RB

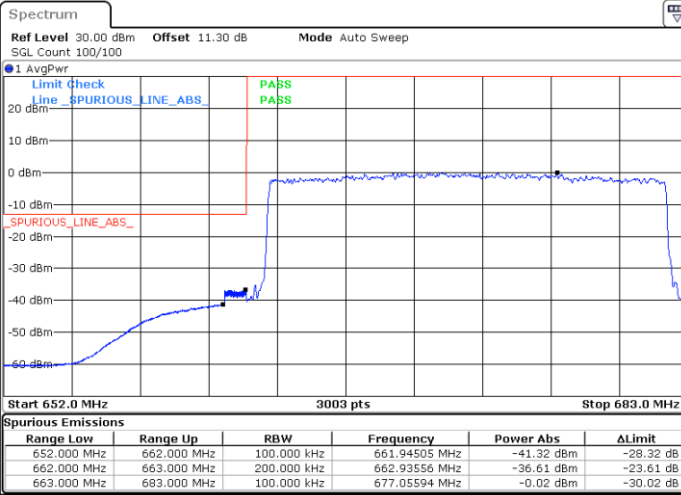


Date: 3.AUG.2023 21:52:40



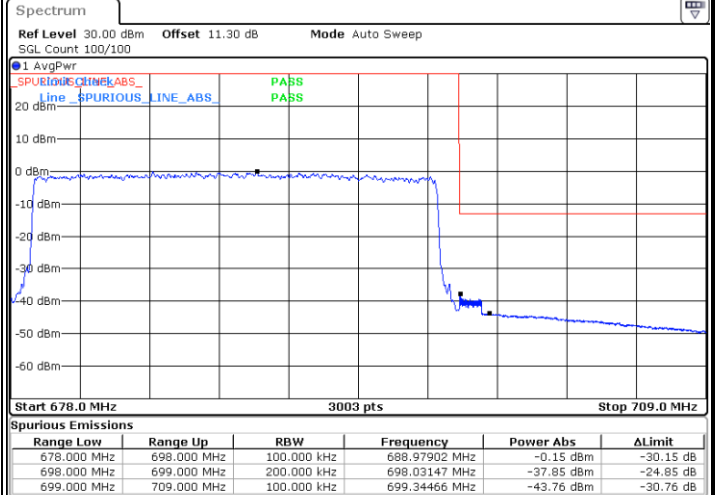
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 3.AUG.2023 21:55:40

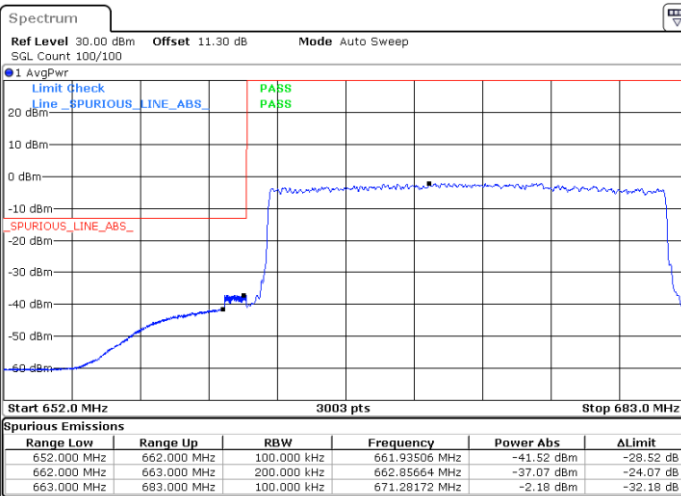
Highest Band Edge / Full RB



Date: 3.AUG.2023 21:57:53

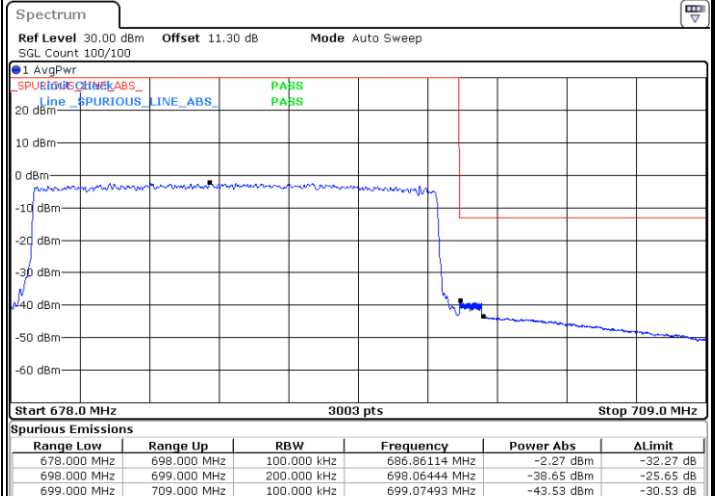
LTE Band 71 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 3.AUG.2023 22:45:16

Highest Band Edge / Full RB



Date: 3.AUG.2023 22:47:29

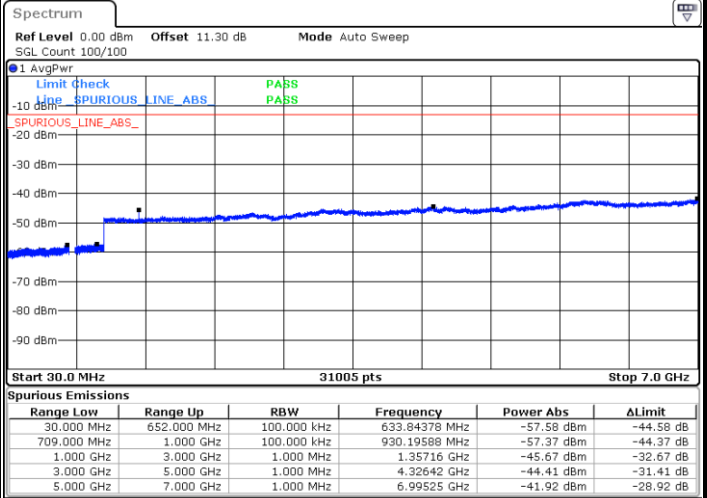
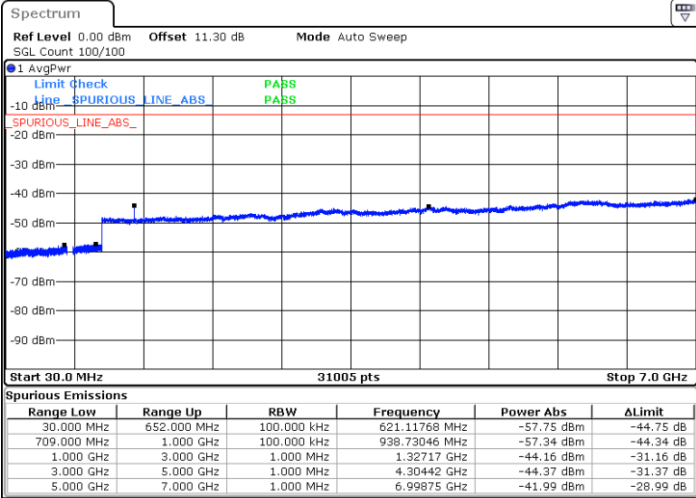


# Conducted Spurious Emission

## LTE Band 71 / 5MHz

### Lowest Channel / QPSK

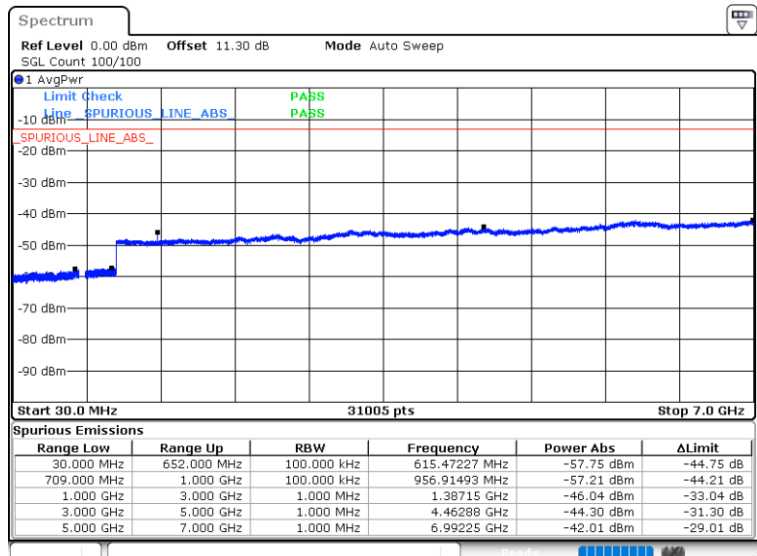
### Middle Channel / QPSK



Date: 3.AUG.2023 20:38:10

Date: 3.AUG.2023 20:41:23

### Highest Channel / QPSK



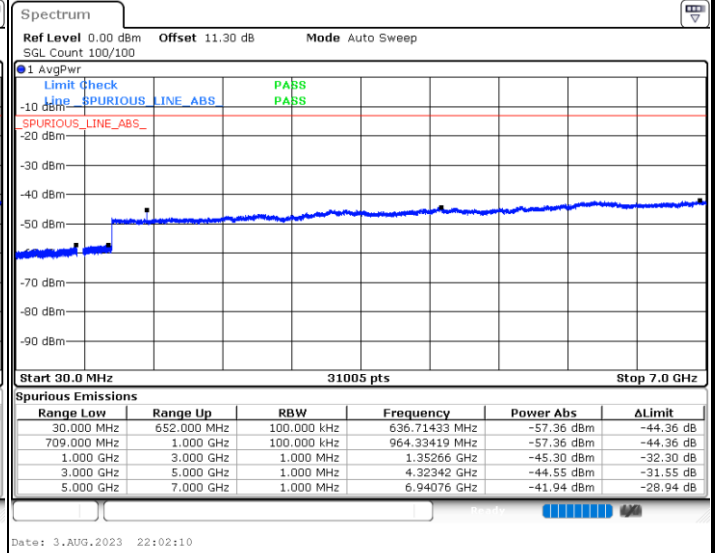
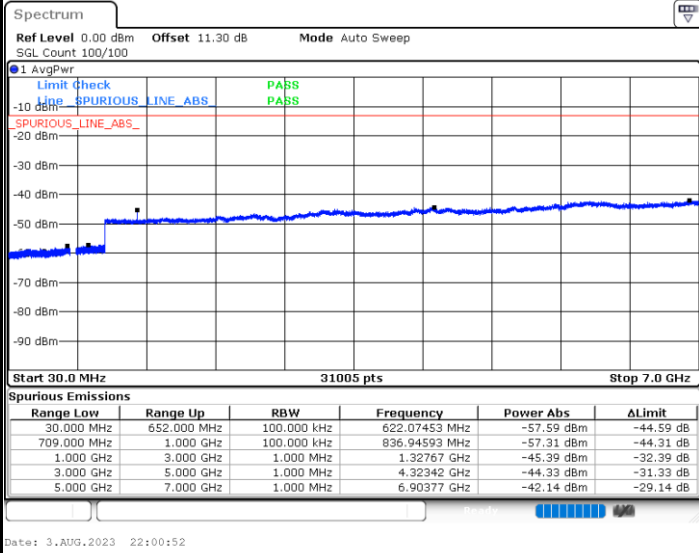
Date: 3.AUG.2023 20:48:49



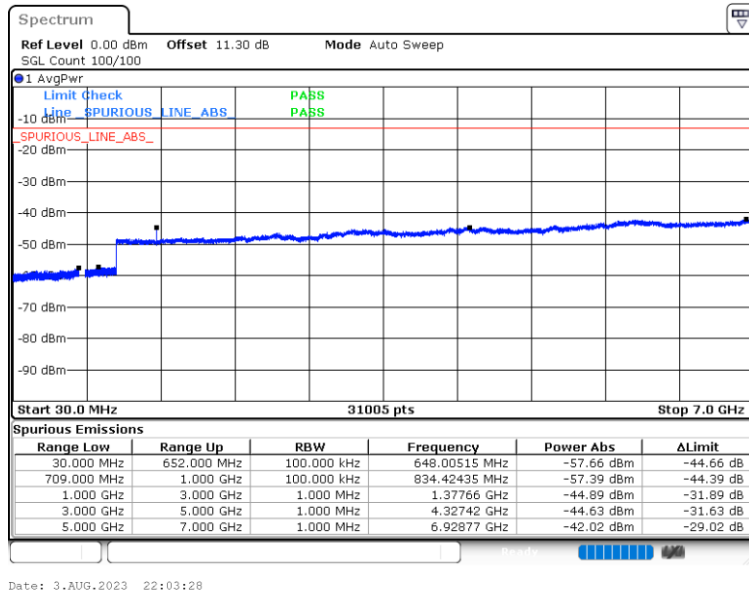
LTE Band 71 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

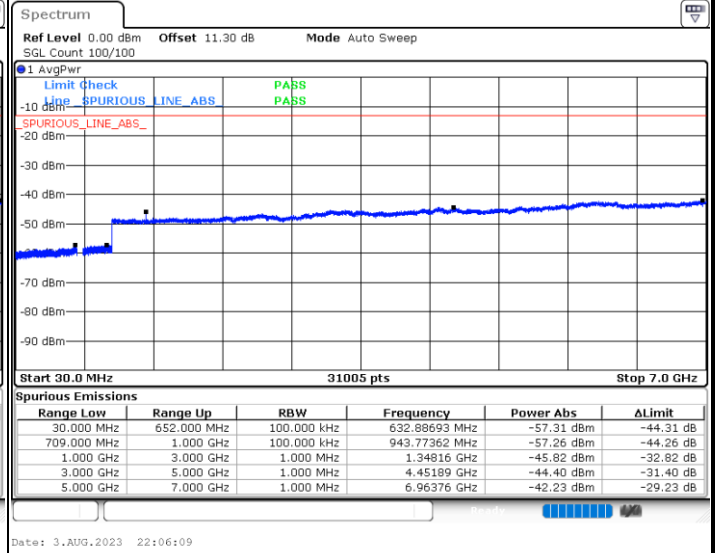
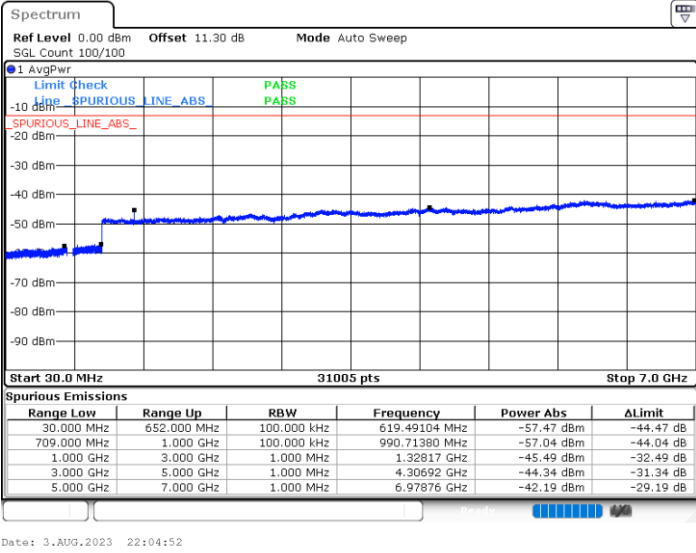




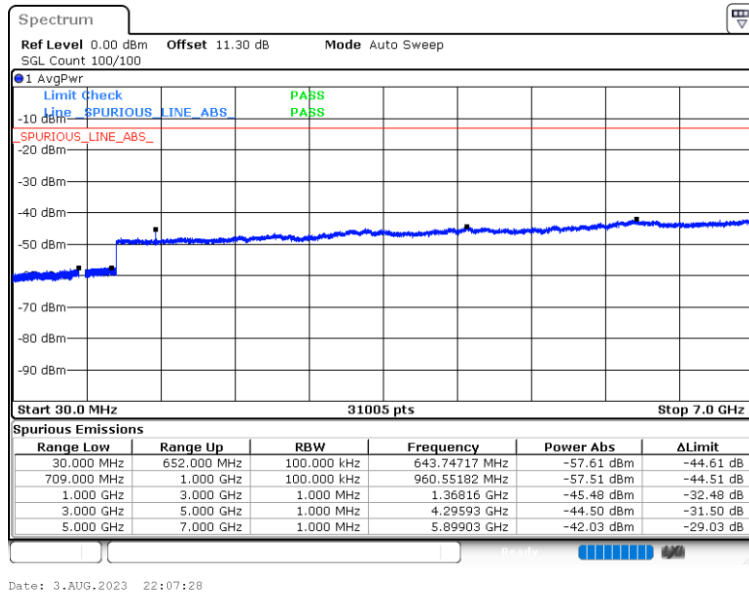
LTE Band 71 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



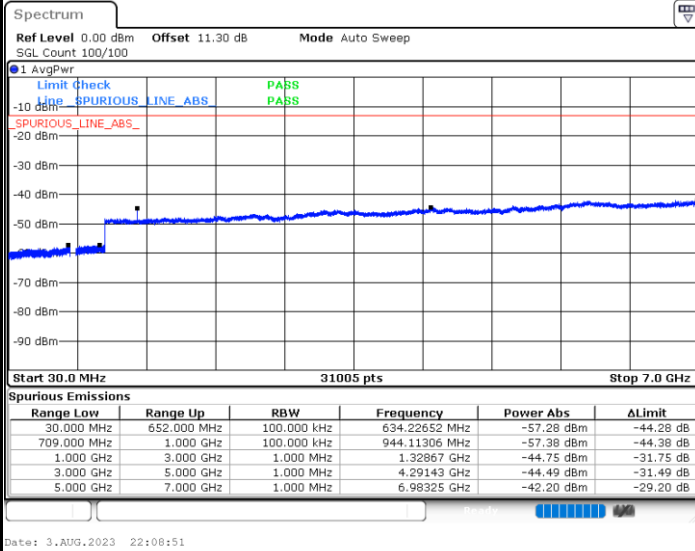
Highest Channel / QPSK



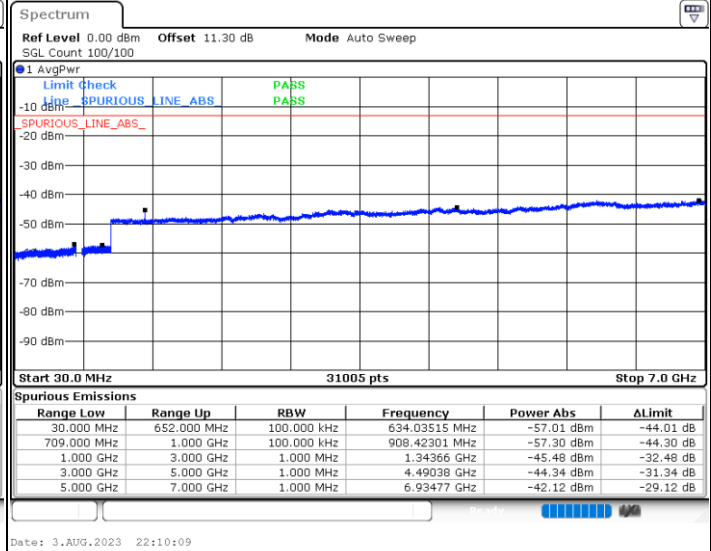


LTE Band 71 / 20MHz

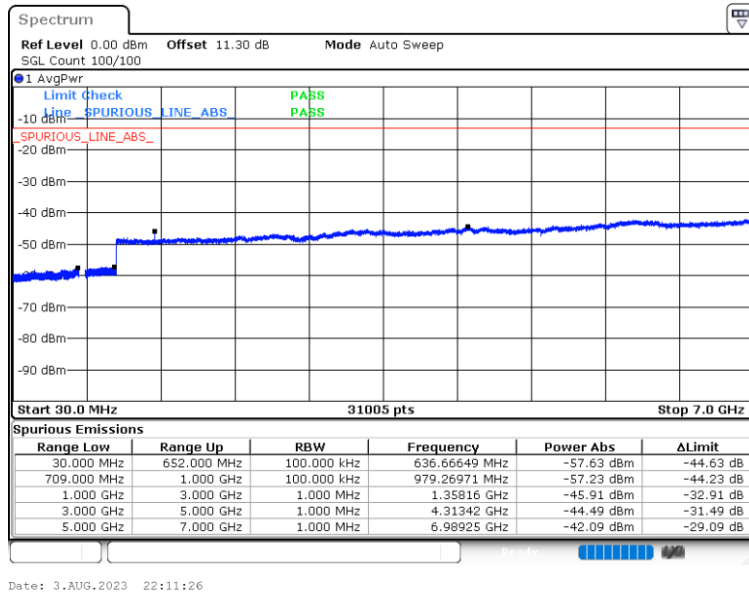
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK







### Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0201	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0116	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0201	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0172	
-20	Normal Voltage	0.0040	
-30	Normal Voltage	0.0157	
20	Maximum Voltage	0.0129	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0087	

**Note:**

- 1. Normal Voltage = 4.05 V. ; Battery End Point (BEP) = 3.85 V. ; Maximum Voltage = 4.35 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# Appendix B. Test Results of Radiated Test

<Ant. 1>

## LTE Band 26

LTE Band 26 / 15MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1649	-61.66	-13	-48.66	-70.19	-68.13	0.60	9.22	H
	2474	-58.60	-13	-45.60	-70.53	-66.04	0.73	10.33	H
	3299	-55.58	-13	-42.58	-71.04	-63.39	0.84	10.80	H
									H
									H
									H
									H
	1649	-61.24	-13	-48.24	-69.8	-67.71	0.60	9.22	V
	2474	-58.57	-13	-45.57	-70.71	-66.01	0.73	10.33	V
	3299	-55.46	-13	-42.46	-70.92	-63.27	0.84	10.80	V
									V
									V
									V
									V



Middle	1660	-61.87	-13	-48.87	-70.4	-68.41	0.60	9.29	H
	2490	-58.70	-13	-45.70	-70.74	-66.12	0.74	10.31	H
	3320	-55.30	-13	-42.30	-70.85	-63.19	0.84	10.88	H
									H
									H
									H
									H
	1660	-62.16	-13	-49.16	-70.071	-68.70	0.60	9.29	V
	2490	-58.38	-13	-45.38	-70.68	-65.80	0.74	10.31	V
	3320	-55.07	-13	-42.07	-70.64	-62.96	0.84	10.88	V
									V
									V
									V
									V
Highest	1669	-62.03	-13	-49.03	-70.57	-68.63	0.60	9.35	H
	2504	-58.16	-13	-45.16	-70.31	-65.57	0.74	10.30	H
	3339	-55.40	-13	-42.40	-71.04	-63.37	0.84	10.96	H
									H
									H
									H
									H
	1669	-61.75	-13	-48.75	-70.3	-68.35	0.60	9.35	V
	2504	-57.97	-13	-44.97	-70.4	-65.38	0.74	10.30	V
	3339	-55.30	-13	-42.30	-70.96	-63.27	0.84	10.96	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



**LTE Band 5B**

LTE Band 5B / 10+10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1664	-63.20	-13	-50.20	-71.73	-69.76	0.60	9.32	H
	2500	-58.94	-13	-45.94	-71.05	-66.35	0.74	10.30	H
	3336	-55.37	-13	-42.37	-70.98	-63.32	0.84	10.94	H
									H
									H
									H
									H
	1664	-62.79	-13	-49.79	-71.34	-69.35	0.60	9.32	V
	2500	-58.55	-13	-45.55	-70.95	-65.96	0.74	10.30	V
	3336	-55.71	-13	-42.71	-71.36	-63.66	0.84	10.94	V
									V
									V
									V
									V
Middle	1672	-62.23	-13	-49.23	-70.76	-68.84	0.60	9.37	H
	2510	-58.87	-13	-45.87	-71.04	-66.28	0.74	10.30	H
	3344	-55.49	-13	-42.49	-71.16	-63.48	0.84	10.98	H
									H
									H
									H
									H
	1672	-62.28	-13	-49.28	-70.82	-68.89	0.60	9.37	V
	2504	-58.30	-13	-45.30	-70.75	-65.71	0.74	10.30	V
	3344	-55.71	-13	-42.71	-71.41	-63.70	0.84	10.98	V
									V
									V
									V
									V



Highest	1680	-62.25	-13	-49.25	-70.79	-68.92	0.60	9.42	H
	2520	-59.60	-13	-46.60	-71.82	-67.01	0.74	10.30	H
	3352	-55.82	-13	-42.82	-71.53	-63.84	0.84	11.01	H
									H
									H
									H
									H
	1680	-62.35	-13	-49.35	-70.9	-69.02	0.60	9.42	V
	2520	-58.67	-13	-45.67	-71.15	-66.08	0.74	10.30	V
	3352	-55.57	-13	-42.57	-71.3	-63.59	0.84	11.01	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



**LTE Band 25**

LTE Band 25 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-53.43	-13	-40.43	-70.81	-63.98	0.90	11.45	H
	5553	-50.49	-13	-37.49	-71.58	-61.48	1.11	12.11	H
	7404	-46.89	-13	-33.89	-71.63	-56.46	1.34	10.92	H
									H
									H
									H
									H
	3702	-53.17	-13	-40.17	-70.78	-63.72	0.90	11.45	V
	5553	-49.76	-13	-36.76	-71.66	-60.75	1.11	12.11	V
	7404	-46.06	-13	-33.06	-71.67	-55.63	1.34	10.92	V
									V
									V
									V
									V
Middle	3742	-53.45	-13	-40.45	-70.91	-63.94	0.90	11.39	H
	5613	-50.42	-13	-37.42	-71.41	-61.47	1.10	12.15	H
	7484	-47.40	-13	-34.40	-72.01	-57.27	1.37	11.24	H
									H
									H
									H
									H
	3742	-53.20	-13	-40.20	-71	-63.69	0.90	11.39	V
	5613	-49.90	-13	-36.90	-71.59	-60.95	1.10	12.15	V
	7484	-46.44	-13	-33.44	-72.1	-56.31	1.37	11.24	V
									V
									V
									V
									V



Highest	3792	-52.99	-13	-39.99	-70.55	-63.39	0.91	11.31	H
	5688	-50.27	-13	-37.27	-71.45	-61.00	1.11	11.85	H
	7584	-47.12	-13	-34.12	-72.2	-57.23	1.36	11.47	H
									H
									H
									H
									H
	3792	-52.72	-13	-39.72	-70.75	-63.12	0.91	11.31	V
	5688	-49.55	-13	-36.55	-71.5	-60.28	1.11	11.85	V
	7584	-46.50	-13	-33.50	-72.2	-56.61	1.36	11.47	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



**LTE Band 13**

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1555	-61.40	-13	-48.40	-69.98	-67.38	0.59	8.72	H
	2332	-58.84	-13	-45.84	-70.07	-66.16	0.70	10.16	H
	3109	-55.81	-13	-42.81	-70.74	-63.12	0.80	10.26	H
									H
									H
									H
									H
	1555	-61.73	-13	-48.73	-70.50	-67.71	0.59	8.72	V
	2332	-58.88	-13	-45.88	-70.14	-66.20	0.70	10.16	V
	3109	-55.91	-13	-42.91	-70.61	-63.22	0.80	10.26	V
									V
									V
									V
									V
Middle	1559	-62.07	-42.15	-19.92	-70.64	-68.07	0.59	8.74	H
	2339	-59.27	-13	-46.27	-70.52	-66.61	0.70	10.19	H
	3119	-55.59	-13	-42.59	-70.53	-62.91	0.81	10.28	H
									H
									H
									H
									H
	1559	-61.75	-42.15	-19.60	-70.50	-67.75	0.59	8.74	V
	2339	-59.08	-13	-46.08	-70.36	-66.42	0.70	10.19	V
	3119	-55.99	-13	-42.99	-70.72	-63.31	0.81	10.28	V
									V
									V
									V
									V





Highest	1565	-61.90	-42.15	-19.75	-70.48	-67.92	0.59	8.76	H
	2347	-59.12	-13	-46.12	-70.37	-66.49	0.70	10.21	H
	3129	-55.78	-13	-42.78	-70.73	-63.11	0.81	10.29	H
									H
									H
									H
									H
	1565	-61.69	-42.15	-19.54	-70.42	-67.71	0.59	8.76	V
	2347	-59.22	-13	-46.22	-70.51	-66.59	0.70	10.21	V
	3129	-55.88	-13	-42.88	-70.63	-63.21	0.81	10.29	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 13 / 10MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1555	-61.96	-13	-48.96	-70.54	-67.94	0.59	8.72	H
	2332	-59.18	-13	-46.18	-70.41	-66.50	0.70	10.16	H
	3110	-55.72	-13	-42.72	-70.66	-63.03	0.80	10.27	H
									H
									H
									H
									H
	1555	-61.88	-13	-48.88	-70.65	-67.86	0.59	8.72	V
	2332	-59.07	-13	-46.07	-70.34	-66.39	0.70	10.16	V
	3110	-55.98	-13	-42.98	-70.69	-63.29	0.80	10.27	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



### LTE Band 12

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1399	-61.42	-13.00	-48.42	-69.50	-66.20	0.56	7.49	H
	2099	-59.65	-13.00	-46.65	-70.17	-66.59	0.66	9.75	H
	2798	-57.14	-13.00	-44.14	-70.55	-64.87	0.82	10.70	H
									H
									H
									H
									H
	1399	-66.20	-13.00	-53.20	-66.20	-70.98	0.56	7.49	V
	2099	-52.98	-13.00	-39.98	-63.49	-59.92	0.66	9.75	V
	2798	-57.47	-13.00	-44.47	-70.66	-65.20	0.82	10.70	V
									V
									V
									V
									V
Middle	1406	-61.86	-13.00	-48.86	-69.97	-66.71	0.56	7.56	H
	2109	-59.56	-13.00	-46.56	-70.13	-66.49	0.66	9.75	H
	2812	-56.65	-13.00	-43.65	-70.14	-64.35	0.82	10.66	H
									H
									H
									H
									H
	1406	-61.45	-13.00	-48.45	-69.63	-66.30	0.56	7.56	V
	2109	-59.43	-13.00	-46.43	-70.00	-66.36	0.66	9.75	V
	2812	-57.01	-13.00	-44.01	-70.27	-64.71	0.82	10.66	V
									V
									V
									V
									V



Highest	1413	-60.42	-13.00	-47.42	-68.56	-65.34	0.56	7.63	H
	2120	-58.15	-13.00	-45.15	-68.76	-65.08	0.66	9.74	H
	2826	-56.82	-13.00	-43.82	-70.41	-64.48	0.81	10.62	H
									H
									H
									H
									H
	1413	-61.58	-13.00	-48.58	-69.82	-66.50	0.56	7.63	V
	2120	-57.57	-13.00	-44.57	-68.20	-64.50	0.66	9.74	V
	2826	-56.85	-13.00	-43.85	-70.19	-64.51	0.81	10.62	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



**LTE Band 66**

LTE Band 66 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3422	-54.17	-13	-41.17	-71.08	-64.59	0.85	11.27	H
	5133	-50.98	-13	-37.98	-71.48	-61.18	1.07	11.27	H
	6844	-48.58	-13	-35.58	-72.48	-58.16	1.28	10.87	H
									H
									H
									H
									H
	3422	-54.25	-13	-41.25	-71.23	-64.67	0.85	11.27	V
	5133	-49.58	-13	-36.58	-71.17	-59.78	1.07	11.27	V
	6844	-46.90	-13	-33.90	-72.23	-56.48	1.28	10.87	V
									V
	Middle	3472	-53.88	-13	-40.88	-70.99	-64.43	0.87	11.42
5208		-50.91	-13	-37.91	-71.49	-61.25	1.08	11.42	H
6944		-48.33	-13	-35.33	-72.19	-58.06	1.29	11.02	H
									H
									H
									H
									H
3472		-53.84	-13	-40.84	-71.06	-64.39	0.87	11.42	V
5208		-49.12	-13	-36.12	-70.94	-59.46	1.08	11.42	V
6944		-46.57	-13	-33.57	-71.86	-56.30	1.29	11.02	V
									V
									V
								V	
								V	



Highest	3522	-38.40	-13	-25.40	-55.61	-49.04	0.88	11.52	H
	5283	-51.04	-13	-38.04	-72.06	-61.56	1.09	11.61	H
	7044	-48.13	-13	-35.13	-72.02	-57.76	1.29	10.92	H
									H
									H
									H
									H
	3522	-44.44	-13	-31.44	-61.73	-55.08	0.88	11.52	V
	5283	-50.22	-13	-37.22	-72.29	-60.74	1.09	11.61	V
	7044	-46.67	-13	-33.67	-72	-56.30	1.29	10.92	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



**LTE Band 66B**

LTE Band 66B / 10+10MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3439	-53.95	-13	-40.95	-70.93	-64.41	0.86	11.32	H
	5158	-50.78	-13	-37.78	-71.29	-61.02	1.07	11.32	H
	6878	-47.73	-13	-34.73	-71.62	-57.36	1.28	10.92	H
									H
									H
									H
									H
	3439	-53.88	-13	-40.88	-70.94	-64.34	0.86	11.32	V
	5158	-49.42	-13	-36.42	-71.08	-59.66	1.07	11.32	V
	6878	-46.12	-13	-33.12	-71.44	-55.75	1.28	10.92	V
									V
									V
									V
									V
Middle	3509	-52.56	-13	-39.56	-69.78	-63.19	0.88	11.51	H
	5264	-50.84	-13	-37.84	-71.74	-61.31	1.09	11.56	H
	7018	-47.67	-13	-34.67	-71.54	-57.41	1.29	11.03	H
									H
									H
									H
									H
	3509	-53.06	-13	-40.06	-70.38	-63.69	0.88	11.51	V
	5264	-49.70	-13	-36.70	-71.7	-60.17	1.09	11.56	V
	7018	-46.12	-13	-33.12	-71.42	-55.86	1.29	11.03	V
									V
									V
									V
									V



Highest	3539	-49.30	-13	-36.30	-66.5	-59.96	0.88	11.54	H
	5309	-50.63	-13	-37.63	-71.79	-61.21	1.09	11.67	H
	7078	-47.70	-13	-34.70	-71.62	-57.19	1.29	10.79	H
									H
									H
									H
									H
	3539	-49.90	-13	-36.90	-67.15	-60.56	0.88	11.54	V
	5309	-49.53	-13	-36.53	-71.68	-60.11	1.09	11.67	V
	7078	-46.09	-13	-33.09	-71.45	-55.58	1.29	10.79	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.





**LTE Band 66C**

LTE Band 66C / 20+20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3458	-53.66	-13	-40.66	-70.71	-64.17	0.86	11.37	H
	5187	-51.03	-13	-38.03	-71.56	-61.33	1.08	11.37	H
	6916	-48.03	-13	-35.03	-71.91	-57.72	1.29	10.97	H
									H
									H
									H
									H
	3458	-53.88	-13	-40.88	-71.02	-64.39	0.86	11.37	V
	5187	-49.72	-13	-36.72	-71.48	-60.02	1.08	11.37	V
	6916	-46.64	-13	-33.64	-71.95	-56.33	1.29	10.97	V
									V
									V
									V
									V
Middle	3508	-54.03	-13	-41.03	-71.25	-64.66	0.88	11.51	H
	5262	-50.27	-13	-37.27	-71.16	-60.74	1.09	11.56	H
	7016	-47.47	-13	-34.47	-71.34	-57.22	1.29	11.04	H
									H
									H
									H
									H
	3508	-53.69	-13	-40.69	-71.02	-64.32	0.88	11.51	V
	5262	-49.57	-13	-36.57	-71.56	-60.04	1.09	11.56	V
	7016	-46.08	-13	-33.08	-71.38	-55.83	1.29	11.04	V
									V
									V
									V
									V



Highest	3518	-53.99	-13	-40.99	-71.2	-64.63	0.88	11.52	H
	5277	-50.72	-13	-37.72	-71.71	-61.22	1.09	11.59	H
	7036	-47.98	-13	-34.98	-71.86	-57.64	1.29	10.96	H
									H
									H
									H
									H
	3518	-54.03	-13	-41.03	-71.33	-64.67	0.88	11.52	V
	5277	-49.71	-13	-36.71	-71.76	-60.21	1.09	11.59	V
	7036	-46.55	-13	-33.55	-71.87	-56.21	1.29	10.96	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



**LTE Band 71**

LTE Band 71 / 20MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-50.01	-13	-37.01	-68.66	-56.50	0.55	7.03	H
	1992	-50.31	-13	-37.31	-70.35	-59.48	0.65	9.82	H
	2656	-47.20	-13	-34.20	-70.25	-56.86	0.76	10.41	H
									H
									H
									H
									H
	1328	-50.27	-13	-37.27	-68.87	-56.76	0.55	7.03	V
	1992	-49.53	-13	-36.53	-69.47	-58.70	0.65	9.82	V
	2656	-47.16	-13	-34.16	-70.23	-56.82	0.76	10.41	V
									V
									V
									V
									V
Middle	1348	-50.70	-13	-37.70	-69.18	-57.31	0.55	7.16	H
	2022	-48.64	-13	-35.64	-68.84	-57.78	0.65	9.79	H
	2696	-46.80	-13	-33.80	-69.96	-56.52	0.77	10.49	H
									H
									H
									H
									H
	1348	-49.96	-13	-36.96	-68.42	-56.57	0.55	7.16	V
	2022	-46.18	-13	-33.18	-66.3	-55.32	0.65	9.79	V
	2696	-46.75	-13	-33.75	-69.87	-56.47	0.77	10.49	V
									V
									V
									V
									V



Highest	1358	-51.23	-13	-38.23	-69.63	-57.91	0.55	7.23	H
	2037	-49.65	-13	-36.65	-69.91	-58.78	0.65	9.78	H
	2716	-47.31	-13	-34.31	-70.52	-57.06	0.78	10.53	H
									H
									H
									H
									H
	1358	-51.05	-13	-38.05	-69.45	-57.73	0.55	7.23	V
	2037	-46.82	-13	-33.82	-67.01	-55.95	0.65	9.78	V
	2716	-47.53	-13	-34.53	-70.66	-57.28	0.78	10.53	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Ant. 4 + Ant. 1>

EN-DC 2A-n12A

EN-DC 2A-n12A / 20+15MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-53.62	-13	-40.62	-71	-62.02	0.90	11.45	H
	5553	-50.70	-13	-37.70	-71.79	-59.54	1.11	12.11	H
	7404	-46.86	-13	-33.86	-71.6	-54.28	1.34	10.92	H
									H
									H
									H
									H
	3702	-53.42	-13	-40.42	-71.03	-61.82	0.90	11.45	V
	5553	-49.95	-13	-36.95	-71.85	-58.79	1.11	12.11	V
	7404	-46.13	-13	-33.13	-71.74	-53.55	1.34	10.92	V
									V
									V
									V
									V
Middle	3742	-53.46	-13	-40.46	-70.92	-61.80	0.90	11.39	H
	5613	-51.00	-13	-38.00	-71.99	-59.90	1.10	12.15	H
	7484	-47.37	-13	-34.37	-71.98	-55.09	1.37	11.24	H
									H
									H
									H
									H
	3742	-53.31	-13	-40.31	-71.11	-61.65	0.90	11.39	V
	5613	-49.85	-13	-36.85	-71.54	-58.75	1.10	12.15	V
	7484	-46.25	-13	-33.25	-71.91	-53.97	1.37	11.24	V
									V
									V
									V
									V



Highest	3782	-53.13	-13	-40.13	-70.67	-61.40	0.91	11.33	H
	5673	-50.62	-13	-37.62	-71.77	-59.27	1.11	11.91	H
	7564	-46.60	-13	-33.60	-71.56	-54.51	1.36	11.43	H
									H
									H
									H
									H
	3782	-52.84	-13	-39.84	-70.83	-61.11	0.91	11.33	V
	5673	-49.94	-13	-36.94	-71.84	-58.59	1.11	11.91	V
	7564	-45.98	-13	-32.98	-71.67	-53.89	1.36	11.43	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



**EN-DC 66A-n25A**

EN-DC 66A-n25A / 20+20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3422	-54.50	-13	-41.50	-71.41	-64.92	0.85	11.27	H
	5133	-51.52	-13	-38.52	-72.02	-61.72	1.07	11.27	H
	6844	-48.50	-13	-35.50	-72.4	-58.08	1.28	10.87	H
									H
									H
									H
									H
	3422	-55.25	-13	-42.25	-72.23	-65.67	0.85	11.27	V
	5133	-50.70	-13	-37.70	-72.29	-60.90	1.07	11.27	V
	6844	-47.63	-13	-34.63	-72.96	-57.21	1.28	10.87	V
									V
									V
									V
									V
Middle	3472	-54.48	-13	-41.48	-71.59	-65.03	0.87	11.42	H
	5208	-48.68	-13	-35.68	-69.26	-59.02	1.08	11.42	H
	6944	-48.79	-13	-35.79	-72.65	-58.52	1.29	11.02	H
									H
									H
									H
									H
	3472	-54.49	-13	-41.49	-71.71	-65.04	0.87	11.42	V
	5208	-48.10	-13	-35.10	-69.92	-58.44	1.08	11.42	V
	6944	-47.14	-13	-34.14	-72.43	-56.87	1.29	11.02	V
									V
									V
									V
									V



Highest	3522	-54.61	-13	-41.61	-71.82	-65.25	0.88	11.52	H
	5283	-51.15	-13	-38.15	-72.17	-61.67	1.09	11.61	H
	7044	-48.28	-13	-35.28	-72.17	-57.91	1.29	10.92	H
									H
									H
									H
									H
	3522	-54.32	-13	-41.32	-71.61	-64.96	0.88	11.52	V
	5283	-50.46	-13	-37.46	-72.53	-60.98	1.09	11.61	V
	7044	-46.88	-13	-33.88	-72.21	-56.51	1.29	10.92	V
									V
									V
									V
									V

Remark: 1.Spurious emissions within 30-1000MHz were found more than 20dB below limit line.





<Ant. 3>

**LTE Band 7**

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5002	-49.81	-25	-24.81	-70.23	-59.77	1.04	11.00	H
	7503	-46.13	-25	-21.13	-70.75	-56.07	1.37	11.31	H
	10004	-40.44	-25	-15.44	-69.92	-50.61	1.53	11.70	H
									H
									H
									H
									H
	5002	-48.52	-25	-23.52	-69.69	-58.48	1.04	11.00	V
	7503	-45.01	-25	-20.01	-70.69	-54.95	1.37	11.31	V
	10004	-41.65	-25	-16.65	-70.14	-51.82	1.53	11.70	V
									V
									V
									V
									V
Middle	5052	-48.29	-25	-23.29	-68.74	-58.34	1.05	11.10	H
	7578	-44.09	-25	-19.09	-69.13	-54.18	1.36	11.46	H
	10104	-40.47	-25	-15.47	-70.13	-50.66	1.53	11.72	H
									H
									H
									H
									H
	5052	-47.06	-25	-22.06	-68.39	-57.11	1.05	11.10	V
	7578	-41.74	-25	-16.74	-67.43	-51.83	1.36	11.46	V
	10104	-41.55	-25	-16.55	-70.15	-51.74	1.53	11.72	V
									V
									V
									V
									V



Highest	5102	-47.47	-25	-22.47	-67.95	-57.61	1.06	11.20	H
	7653	-44.55	-25	-19.55	-69.81	-54.62	1.35	11.42	H
	10204	-40.66	-25	-15.66	-70.51	-50.87	1.53	11.74	H
									H
									H
									H
									H
	5102	-46.42	-25	-21.42	-67.91	-56.56	1.06	11.20	V
	7653	-42.10	-25	-17.10	-67.92	-52.17	1.35	11.42	V
	10204	-41.70	-25	-16.70	-70.41	-51.91	1.53	11.74	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



**LTE Band 7C**

LTE Band 7C / 20+20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5037	-50.81	-25	-25.81	-71.26	-60.84	1.05	11.07	H
	7556	-46.91	-25	-21.91	-71.83	-56.96	1.36	11.41	H
	10075	-41.67	-25	-16.67	-71.27	-51.85	1.53	11.72	H
									H
									H
									H
									H
	5037	-50.08	-25	-25.08	-71.36	-60.11	1.05	11.07	V
	7556	-46.18	-25	-21.18	-71.88	-56.23	1.36	11.41	V
	10075	-43.53	-25	-18.53	-72.09	-53.71	1.53	11.72	V
									V
									V
									V
									V
Middle	5068	-50.73	-25	-25.73	-71.19	-60.81	1.05	11.14	H
	7602	-39.49	-25	-14.49	-64.66	-49.63	1.36	11.50	H
	10136	-42.01	-25	-17.01	-71.72	-52.20	1.53	11.73	H
									H
									H
									H
									H
	5068	-50.45	-25	-25.45	-71.84	-60.53	1.05	11.14	V
	7602	-42.46	-25	-17.46	-68.16	-52.60	1.36	11.50	V
	10136	-42.66	-25	-17.66	-71.29	-52.85	1.53	11.73	V
									V
									V
									V
									V



Highest	5098	-48.84	-25	-23.84	-69.32	-58.98	1.06	11.20	H
	7647	-43.30	-25	-18.30	-68.54	-53.38	1.35	11.43	H
	10196	-40.26	-25	-15.26	-70.09	-50.47	1.53	11.74	H
									H
									H
									H
									H
	5098	-47.83	-25	-22.83	-69.31	-57.97	1.06	11.20	V
	7647	-39.74	-25	-14.74	-65.54	-49.82	1.35	11.43	V
	10196	-41.28	-25	-16.28	-69.98	-51.49	1.53	11.74	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



**LTE Band 38**

LTE Band 38 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5142	-54.75	-25	-29.75	-75.26	-64.97	1.07	11.28	H
	7713	-50.53	-25	-25.53	-75.87	-60.52	1.34	11.33	H
	10284	-45.98	-25	-20.98	-75.98	-56.20	1.54	11.76	H
									H
									H
									H
									H
	5142	-53.82	-25	-28.82	-75.44	-64.04	1.07	11.28	V
	7713	-49.51	-25	-24.51	-75.44	-59.50	1.34	11.33	V
	10284	-47.55	-25	-22.55	-76.35	-57.77	1.54	11.76	V
									V
									V
									V
									V
Middle	5172	-55.19	-25	-30.19	-75.71	-65.46	1.07	11.34	H
	7758	-50.59	-25	-25.59	-76	-60.52	1.34	11.26	H
	10344	-45.99	-25	-20.99	-76.1	-56.22	1.54	11.77	H
									H
									H
									H
									H
	5172	-54.15	-25	-29.15	-75.86	-64.42	1.07	11.34	V
	7758	-50.20	-25	-25.20	-76.24	-60.13	1.34	11.26	V
	10344	-47.33	-25	-22.33	-76.2	-57.56	1.54	11.77	V
									V
									V
									V
									V
								V	



Highest	5202	-50.47	-25	-25.47	-71.02	-60.79	1.08	11.41	H
	7803	-46.02	-25	-21.02	-71.5	-55.89	1.33	11.20	H
	10404	-40.69	-25	-15.69	-70.9	-50.93	1.54	11.78	H
									H
									H
									H
									H
	5202	-50.10	-25	-25.10	-71.91	-60.42	1.08	11.41	V
	7803	-45.58	-25	-20.58	-71.71	-55.45	1.33	11.20	V
	10404	-42.23	-25	-17.23	-71.15	-52.47	1.54	11.78	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 38C

LTE Band 38C / 20+20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5177	-52.10	-25	-27.10	-72.63	-62.38	1.08	11.35	H
	7766	-46.66	-25	-21.66	-72.08	-56.58	1.34	11.25	H
	10359	-42.11	-25	-17.11	-72.23	-52.34	1.54	11.77	H
									H
									H
									H
									H
	5177	-50.60	-25	-25.60	-72.33	-60.88	1.08	11.35	V
	7766	-46.07	-25	-21.07	-72.12	-55.99	1.34	11.25	V
	10359	-43.11	-25	-18.11	-71.98	-53.34	1.54	11.77	V
									V
									V
									V
									V
Middle	5188	-51.87	-25	-26.87	-72.41	-62.17	1.08	11.38	H
	7782	-41.75	-25	-16.75	-67.19	-51.64	1.33	11.23	H
	10377	-41.70	-25	-16.70	-71.86	-51.94	1.54	11.78	H
									H
									H
									H
									H
	5188	-50.21	-25	-25.21	-71.98	-60.51	1.08	11.38	V
	7782	-37.29	-25	-12.29	-63.37	-47.18	1.33	11.23	V
	10377	-43.13	-25	-18.13	-72.03	-53.37	1.54	11.78	V
									V
									V
									V
									V



Highest	5198	-48.19	-25	-23.19	-68.73	-58.51	1.08	11.40	H
	7797	-46.56	-25	-21.56	-72.03	-56.43	1.33	11.20	H
	10395	-41.88	-25	-16.88	-72.08	-52.12	1.54	11.78	H
									H
									H
									H
									H
	5198	-50.71	-25	-25.71	-72.5	-61.03	1.08	11.40	V
	7797	-46.61	-25	-21.61	-72.72	-56.48	1.33	11.20	V
	10395	-43.26	-25	-18.26	-72.18	-53.50	1.54	11.78	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.





**LTE Band 41**

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4994	-48.88	-25	-23.88	-69.31	-58.85	1.04	11.01	H
	7491	-45.85	-25	-20.85	-70.46	-55.75	1.37	11.26	H
	9988	-40.61	-25	-15.61	-70.03	-50.79	1.52	11.70	H
									H
									H
									H
									H
	4994	-48.44	-25	-23.44	-69.61	-58.41	1.04	11.01	V
	7491	-44.80	-25	-19.80	-70.47	-54.70	1.37	11.26	V
	9988	-41.44	-25	-16.44	-69.9	-51.62	1.52	11.70	V
									V
									V
									V
									V
Middle	5168	-49.58	-25	-24.58	-70.1	-59.84	1.07	11.34	H
	7752	-44.13	-25	-19.13	-69.53	-54.06	1.34	11.27	H
	10336	-40.27	-25	-15.27	-70.36	-50.50	1.54	11.77	H
									H
									H
									H
									H
	5168	-47.73	-25	-22.73	-69.43	-57.99	1.07	11.34	V
	7752	-41.66	-25	-16.66	-67.68	-51.59	1.34	11.27	V
	10336	-41.34	-25	-16.34	-70.19	-51.57	1.54	11.77	V
									V
									V
									V
									V



Highest	5342	-48.42	-25	-23.42	-69.77	-59.08	1.09	11.76	H
	8013	-42.20	-25	-17.20	-68.29	-52.01	1.40	11.21	H
	10684	-40.05	-25	-15.05	-70.8	-50.43	1.57	11.95	H
									H
									H
									H
									H
	5342	-48.31	-25	-23.31	-70.56	-58.97	1.09	11.76	V
	8013	-40.18	-25	-15.18	-66.75	-49.99	1.40	11.21	V
	10684	-41.14	-25	-16.14	-70.69	-51.52	1.57	11.95	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



**LTE Band 41C**

LTE Band 41C / 20+20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5029	-51.61	-25	-26.61	-72.05	-61.62	1.05	11.06	H
	7544	-47.74	-25	-22.74	-72.59	-57.76	1.37	11.39	H
	10059	-42.18	-25	-17.18	-71.76	-52.36	1.53	11.71	H
									H
									H
									H
									H
	5029	-50.14	-25	-25.14	-71.4	-60.15	1.05	11.06	V
	7544	-44.69	-25	-19.69	-70.38	-54.71	1.37	11.39	V
	10059	-43.15	-25	-18.15	-71.71	-53.33	1.53	11.71	V
									V
									V
									V
									V
Middle	5148	-52.00	-25	-27.00	-72.53	-62.23	1.07	11.30	H
	7776	-42.59	-25	-17.59	-68.02	-52.49	1.33	11.24	H
	10368	-42.08	-25	-17.08	-72.23	-52.32	1.54	11.77	H
									H
									H
									H
									H
	5148	-50.74	-25	-25.74	-72.49	-60.97	1.07	11.30	V
	7776	-39.54	-25	-14.54	-65.61	-49.44	1.33	11.24	V
	10368	-42.87	-25	-17.87	-71.76	-53.11	1.54	11.77	V
									V
									V
									V
									V
								V	



Highest	5338	-48.84	-25	-23.84	-70.17	-59.49	1.09	11.75	H
	8007	-44.54	-25	-19.54	-70.64	-54.35	1.40	11.21	H
	10676	-41.99	-25	-16.99	-72.72	-52.36	1.57	11.94	H
									H
									H
									H
									H
	5338	-50.35	-25	-25.35	-72.59	-61.00	1.09	11.75	V
	8007	-44.15	-25	-19.15	-70.73	-53.96	1.40	11.21	V
	10676	-43.04	-25	-18.04	-72.57	-53.41	1.57	11.94	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



<Ant. 2 + Ant.3>

**EN-DC 7A-n77A**

EN-DC 7A-n77A / 20+100MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5002	-41.54	-25	-16.54	-71.99	-51.50	1.04	11.00	H
	7503	-37.90	-25	-12.90	-72.56	-47.84	1.37	11.31	H
	10004	-32.49	-25	-7.49	-71.95	-42.66	1.53	11.70	H
									H
									H
									H
									H
	5002	-40.25	-25	-15.25	-71.45	-50.21	1.04	11.00	V
	7503	-36.63	-25	-11.63	-72.35	-46.57	1.37	11.31	V
	10004	-33.00	-25	-8.00	-71.47	-43.17	1.53	11.70	V
									V
									V
									V
									V
Middle	5052	-41.15	-25	-16.15	-71.63	-51.20	1.05	11.10	H
	7578	-37.60	-25	-12.60	-72.68	-47.69	1.36	11.46	H
	10104	-32.58	-25	-7.58	-72.22	-42.77	1.53	11.72	H
									H
									H
									H
									H
	5052	-40.38	-25	-15.38	-71.74	-50.43	1.05	11.10	V
	7578	-36.92	-25	-11.92	-72.65	-47.01	1.36	11.46	V
	10104	-33.35	-25	-8.35	-71.93	-43.54	1.53	11.72	V
									V
									V
									V
									V



Highest	5102	-41.27	-25	-16.27	-71.79	-51.41	1.06	11.20	H
	7653	-37.20	-25	-12.20	-72.5	-47.27	1.35	11.42	H
	10204	-32.08	-25	-7.08	-71.91	-42.29	1.53	11.74	H
									H
									H
									H
									H
	5102	-40.04	-25	-15.04	-71.57	-50.18	1.06	11.20	V
	7653	-36.74	-25	-11.74	-72.6	-46.81	1.35	11.42	V
	10204	-33.62	-25	-8.62	-72.31	-43.83	1.53	11.74	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



**EN-DC 41A-n77A**

EN-DC 41A-n77A / 20+100MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Margin ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4994	-39.38	-25	-14.38	-69.84	-49.35	1.04	11.01	H
	7491	-36.07	-25	-11.07	-70.72	-45.97	1.37	11.26	H
	9988	-30.51	-25	-5.51	-69.91	-40.69	1.52	11.70	H
									H
									H
									H
									H
	4994	-38.61	-25	-13.61	-69.81	-48.58	1.04	11.01	V
	7491	-34.47	-25	-9.47	-70.18	-44.37	1.37	11.26	V
	9988	-31.68	-25	-6.68	-70.12	-41.86	1.52	11.70	V
									V
									V
									V
									V
Middle	5168	-40.15	-25	-15.15	-70.71	-50.41	1.07	11.34	H
	7752	-34.91	-25	-9.91	-70.34	-44.84	1.34	11.27	H
	10336	-30.48	-25	-5.48	-70.54	-40.71	1.54	11.77	H
									H
									H
									H
									H
	5168	-38.78	-25	-13.78	-70.52	-49.04	1.07	11.34	V
	7752	-34.70	-25	-9.70	-70.75	-44.63	1.34	11.27	V
	10336	-31.52	-25	-6.52	-70.34	-41.75	1.54	11.77	V
									V
									V
									V
									V



Highest	5342	-39.46	-25	-14.46	-70.86	-50.12	1.09	11.76	H
	8013	-34.27	-25	-9.27	-70.38	-44.08	1.40	11.21	H
	10684	-29.74	-25	-4.74	-70.46	-40.12	1.57	11.95	H
									H
									H
									H
									H
	5342	-38.95	-25	-13.95	-71.25	-49.61	1.09	11.76	V
	8013	-33.93	-25	-8.93	-70.52	-43.74	1.40	11.21	V
	10684	-31.18	-25	-6.18	-70.7	-41.56	1.57	11.95	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.