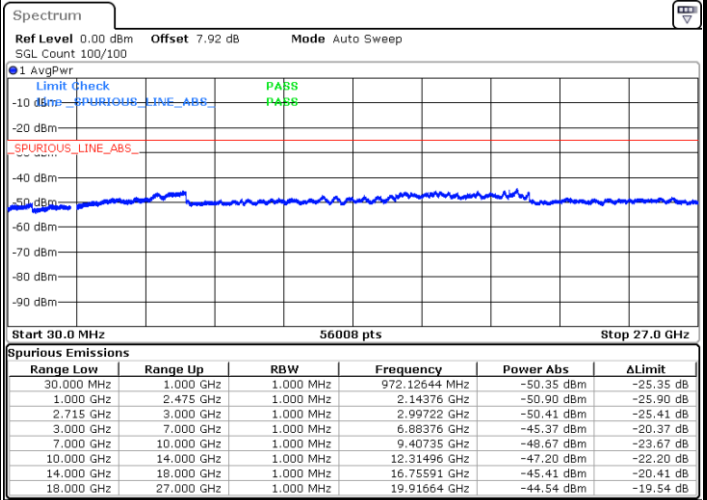
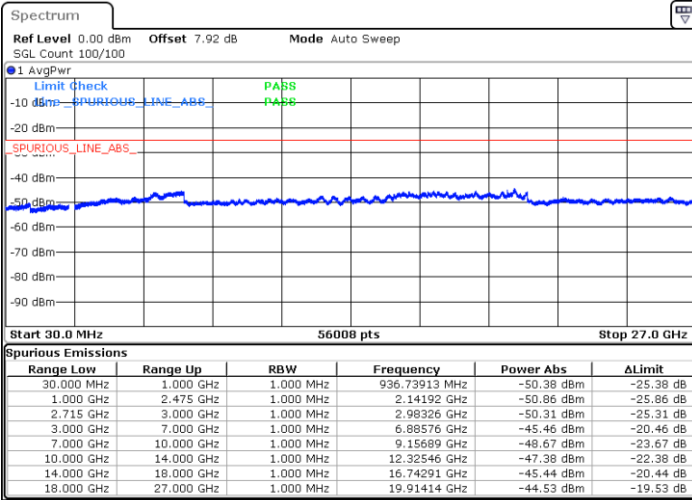




LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

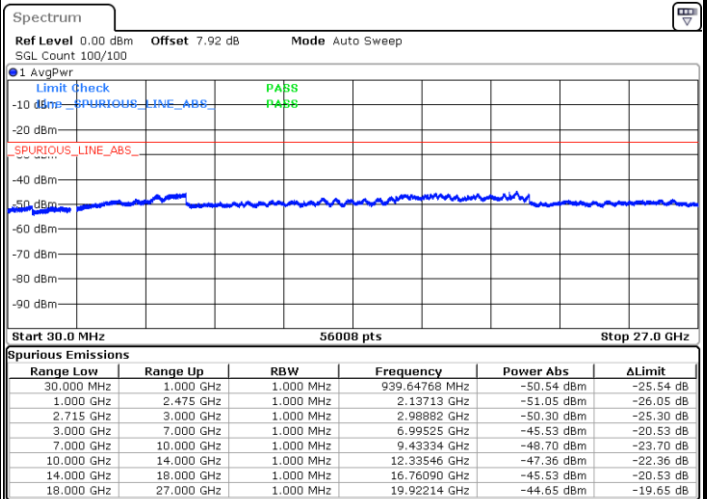
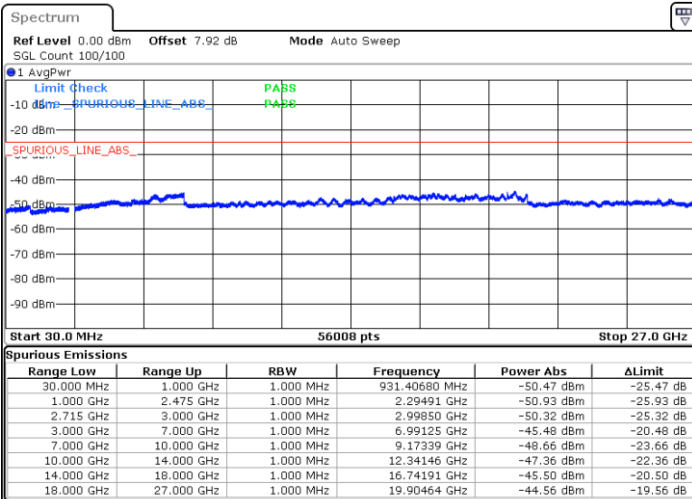


Date: 23 MAR 2022 09:18:56

Date: 23 MAR 2022 09:20:06

Middle Channel / QPSK

Middle Channel / 16QAM



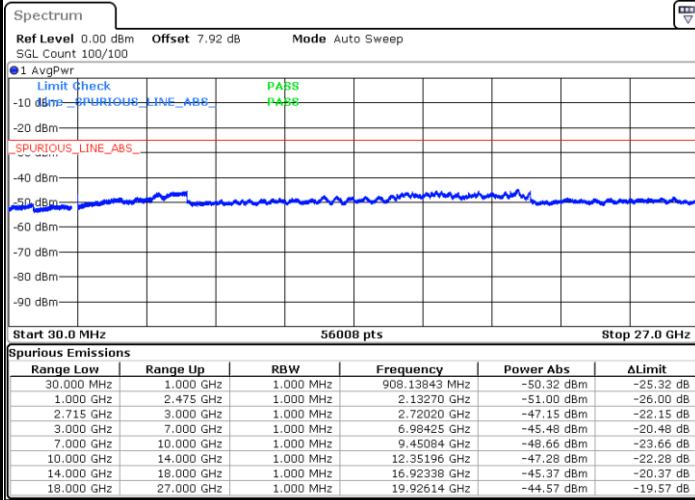
Date: 23 MAR 2022 09:21:15

Date: 23 MAR 2022 09:22:25



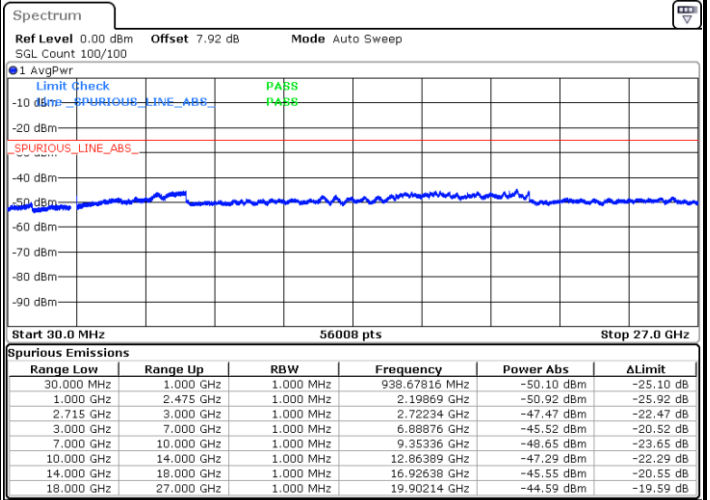
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 23 MAR 2022 09:23:35

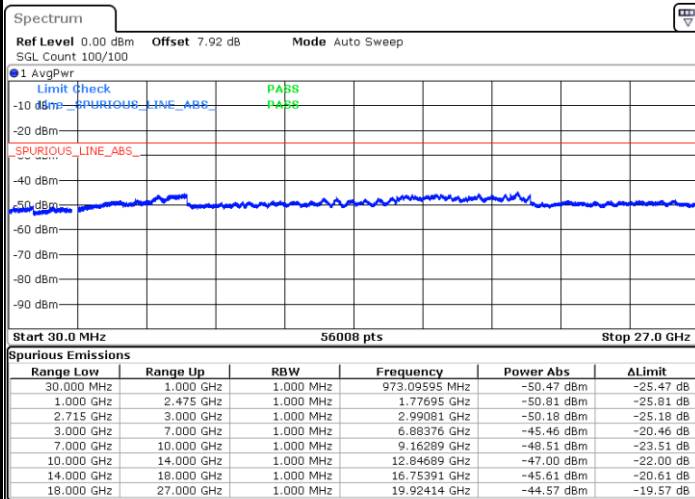
Highest Channel / 16QAM



Date: 23 MAR 2022 09:24:44

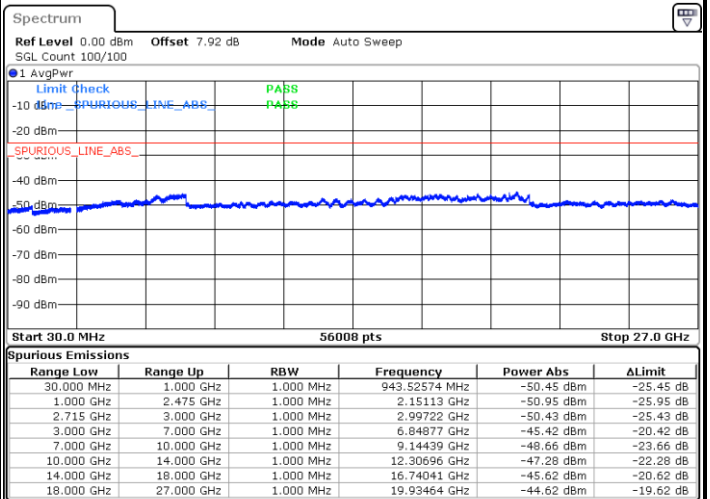
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 23 MAR 2022 09:29:23

Lowest Channel / 16QAM



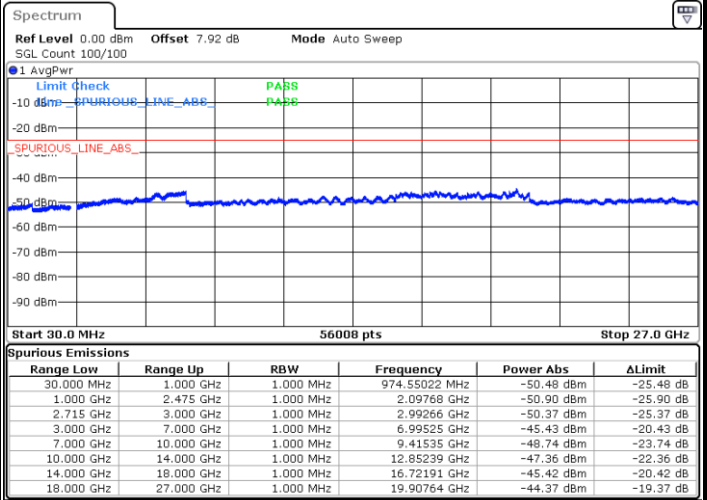
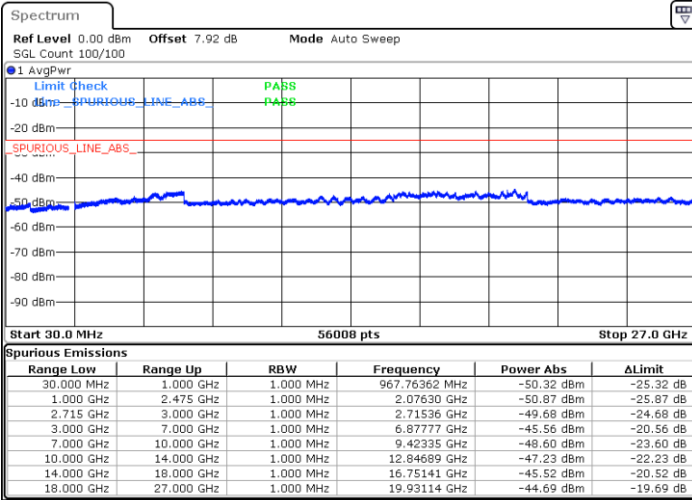
Date: 23 MAR 2022 09:30:32



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

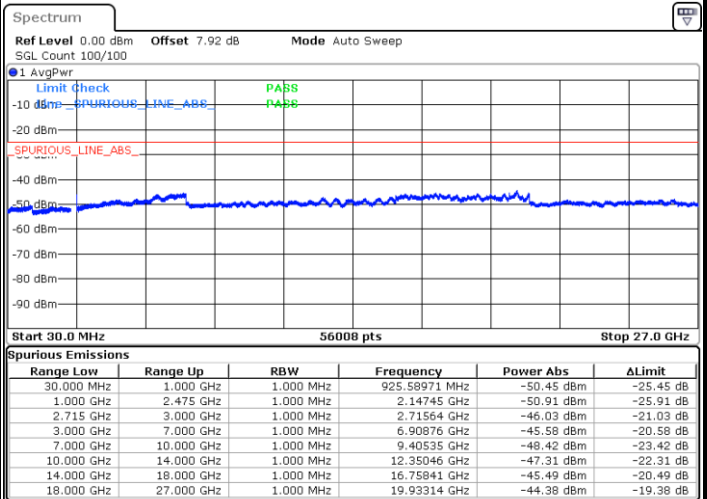
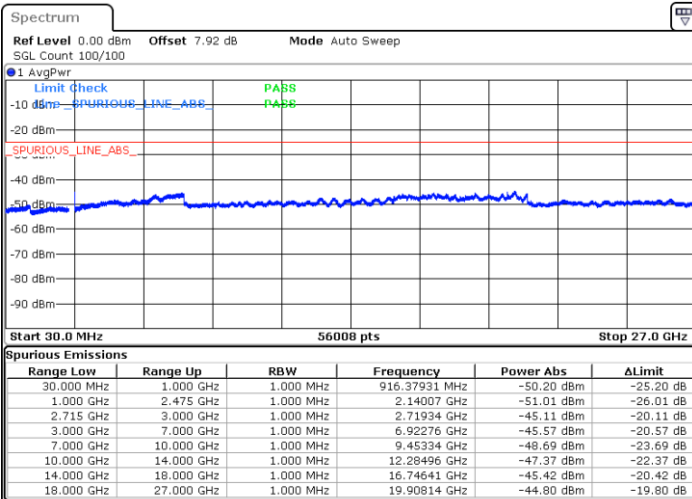


Date: 23 MAR 2022 09:31:42

Date: 23 MAR 2022 09:32:52

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 23 MAR 2022 09:34:01

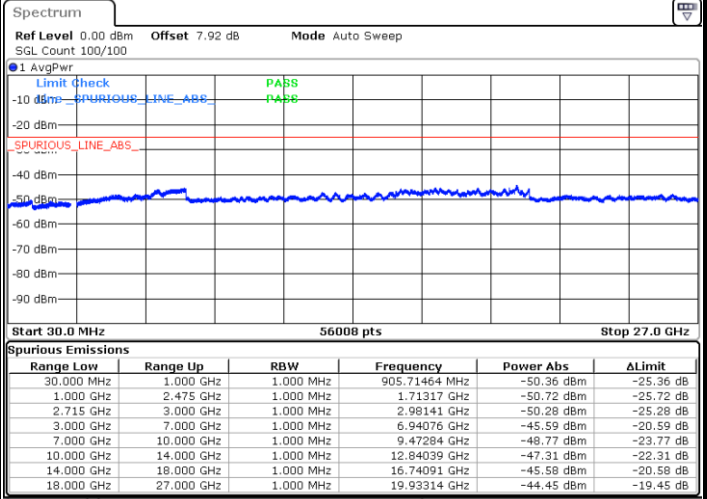
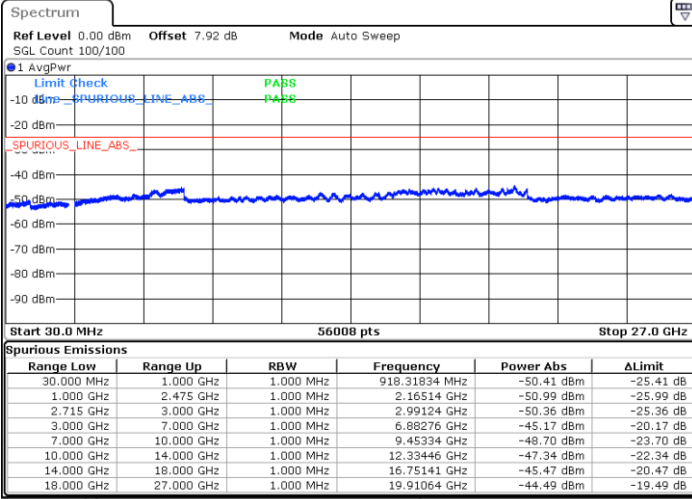
Date: 23 MAR 2022 09:35:11



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

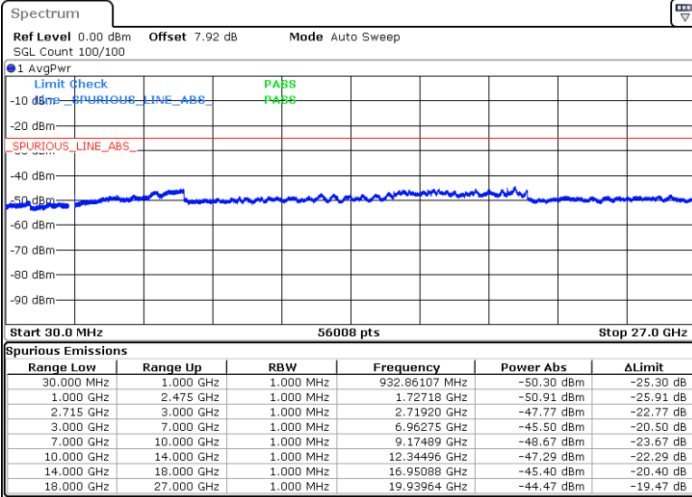
Middle Channel / 64QAM



Date: 23.MAR.2022 09:05:01

Date: 23.MAR.2022 09:06:11

Highest Channel / 64QAM

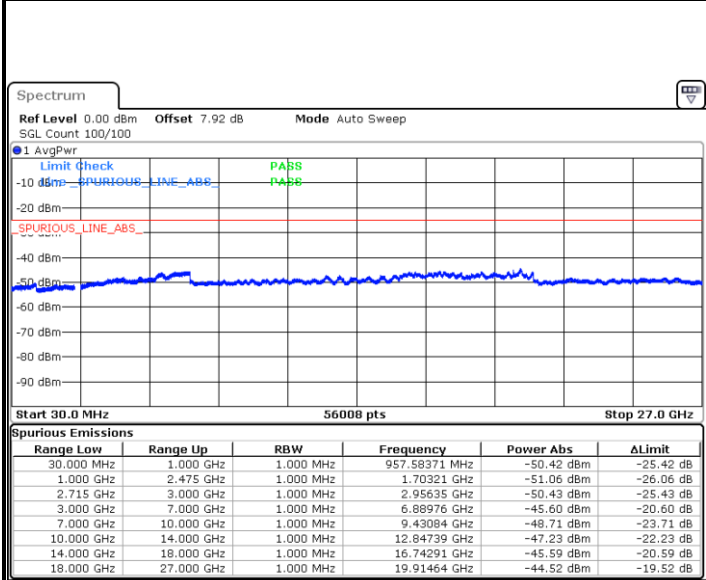


Date: 23.MAR.2022 09:07:20



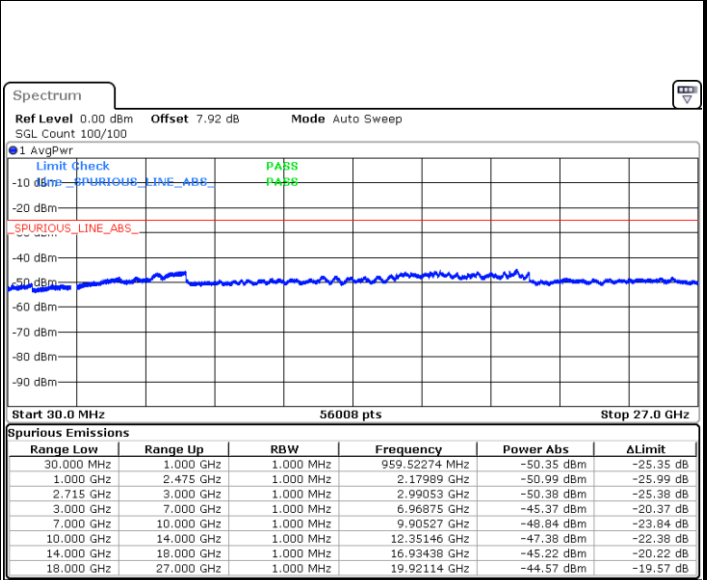
**LTE Band 41 / 10MHz**

**Lowest Channel / 64QAM**



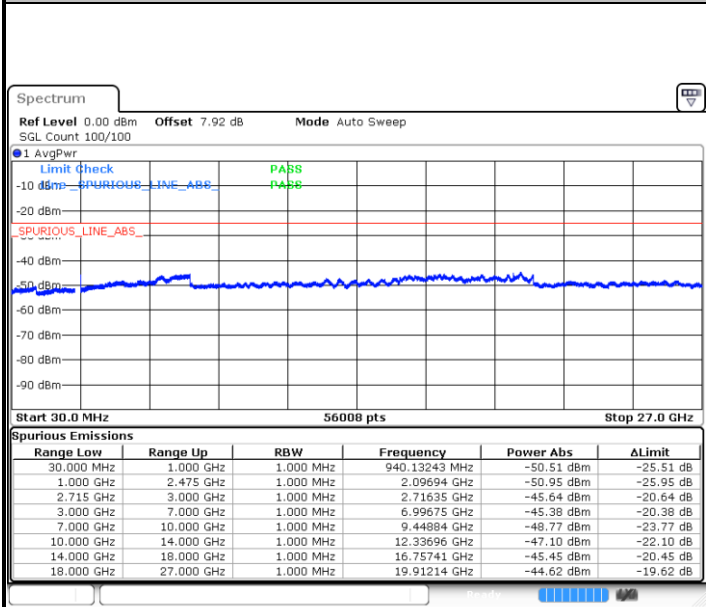
Date: 23 MAR 2022 09:08:30

**Middle Channel / 64QAM**



Date: 23 MAR 2022 09:09:39

**Highest Channel / 64QAM**



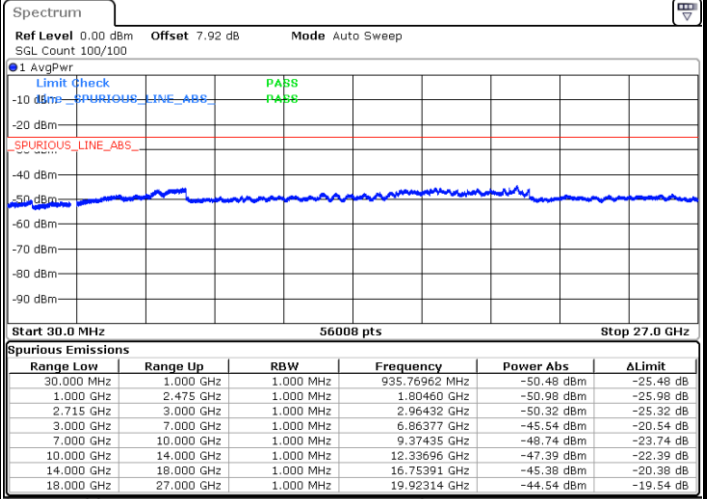
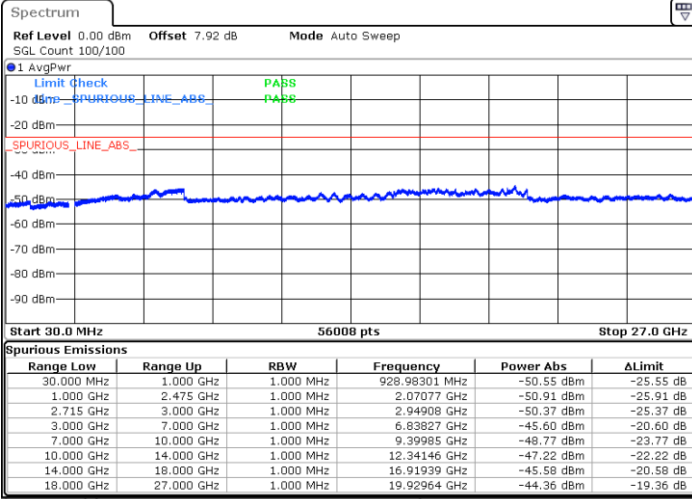
Date: 23 MAR 2022 09:10:49



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

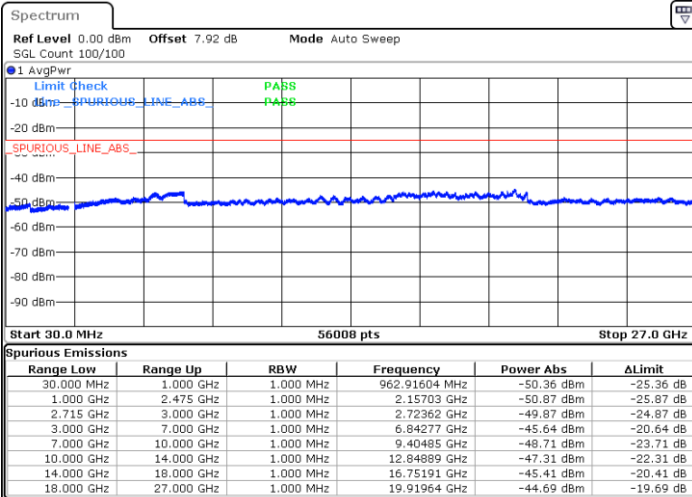
Middle Channel / 64QAM



Date: 23 MAR 2022 09:25:54

Date: 23 MAR 2022 09:27:04

Highest Channel / 64QAM

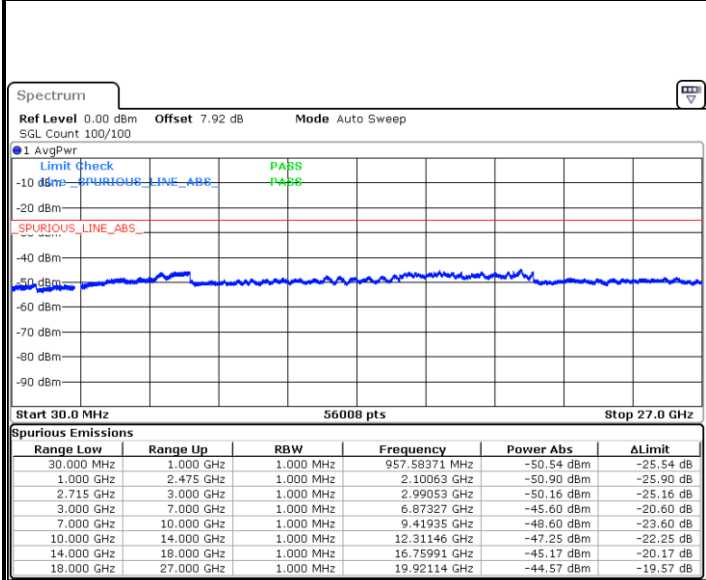


Date: 23 MAR 2022 09:28:13



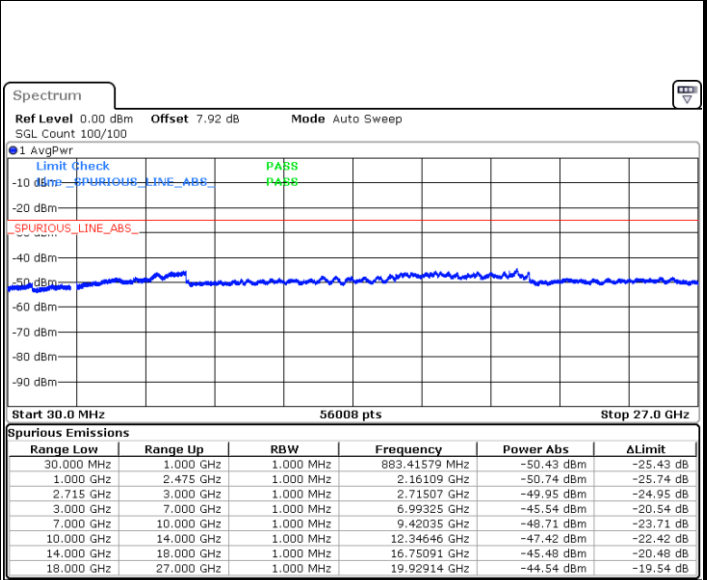
**LTE Band 41 / 20MHz**

**Lowest Channel / 64QAM**



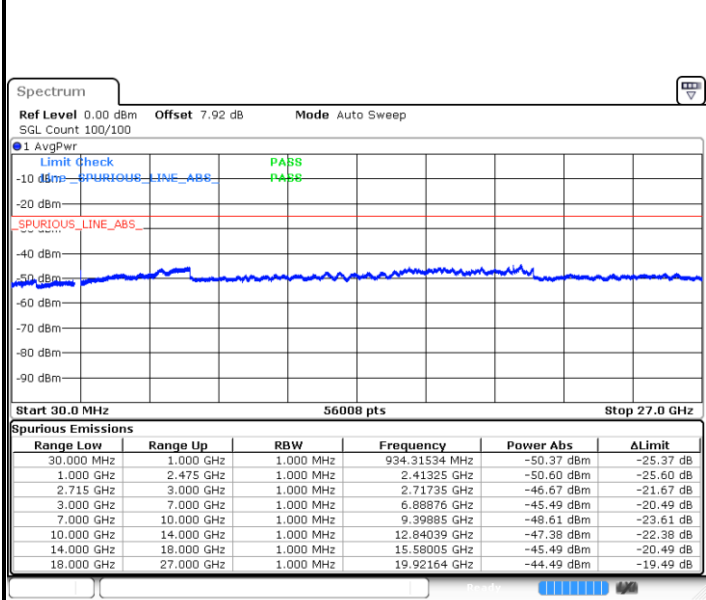
Date: 23 MAR 2022 09:36:21

**Middle Channel / 64QAM**



Date: 23 MAR 2022 09:37:30

**Highest Channel / 64QAM**



Date: 23 MAR 2022 09:38:40



### Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0010	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0020	

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.





# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

LTE Band 2 / 20MHz / QPSK								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-56.47	-13	-43.47	-68.73	2.64	14.90	H
	5550	-54.10	-13	-41.10	-65.96	2.94	14.80	H
	7410	-51.72	-13	-38.72	-61.49	3.39	13.16	H
	3705	-56.56	-13	-43.56	-68.82	2.64	14.90	V
	5550	-54.74	-13	-41.74	-66.60	2.94	14.80	V
	7410	-52.59	-13	-39.59	-62.36	3.39	13.16	V
Middle	3735	-54.17	-13	-41.17	-66.43	2.64	14.90	H
	5610	-54.02	-13	-41.02	-65.88	2.94	14.80	H
	7485	-51.65	-13	-38.65	-61.42	3.39	13.16	H
	3735	-55.13	-13	-42.13	-67.39	2.64	14.90	V
	5610	-54.24	-13	-41.24	-66.10	2.94	14.80	V
	7485	-51.76	-13	-38.76	-61.53	3.39	13.16	V
Highest	3780	-57.11	-13	-44.11	-69.37	2.64	14.90	H
	5670	-54.65	-13	-41.65	-66.51	2.94	14.80	H
	7560	-51.49	-13	-38.49	-61.26	3.39	13.16	H
	3780	-56.49	-13	-43.49	-68.75	2.64	14.90	V
	5670	-55.34	-13	-42.34	-67.20	2.94	14.80	V
	7560	-52.38	-13	-39.38	-62.15	3.39	13.16	V

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



LTE Band 4 / 20MHz / QPSK								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-57.98	-13	-44.98	-68.72	2.604	13.34	H
	5130	-54.20	-13	-41.20	-64.71	3.011	13.52	H
	6840	-53.95	-13	-40.95	-64.15	3.271	13.47	H
	3420	-57.27	-13	-44.27	-68.01	2.604	13.34	V
	5130	-54.75	-13	-41.75	-65.26	3.011	13.52	V
	6840	-54.01	-13	-41.01	-64.21	3.271	13.47	V
Middle	3447	-53.77	-13	-40.77	-64.51	2.604	13.34	H
	5169	-54.16	-13	-41.16	-64.67	3.011	13.52	H
	6888	-53.93	-13	-40.93	-64.13	3.271	13.47	H
	3447	-57.48	-13	-44.48	-68.22	2.604	13.34	V
	5169	-54.39	-13	-41.39	-64.90	3.011	13.52	V
	6888	-53.98	-13	-40.98	-64.18	3.271	13.47	V
Highest	3465	-57.65	-13	-44.65	-68.39	2.604	13.34	H
	5205	-53.60	-13	-40.60	-64.11	3.011	13.52	H
	6945	-53.84	-13	-40.84	-64.04	3.271	13.47	H
	3465	-57.44	-13	-44.44	-68.18	2.604	13.34	V
	5205	-53.96	-13	-40.96	-64.47	3.011	13.52	V
	6945	-53.45	-13	-40.45	-63.65	3.271	13.47	V

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



LTE Band 5 / 10MHz / QPSK								
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-64.53	-13	-51.53	-71.50	1.58	10.70	H
	2472	-60.82	-13	-47.82	-69.07	2.102	12.50	H
	3296	-59.83	-13	-46.83	-68.72	2.856	13.90	H
	1648	-64.29	-13	-51.29	-71.26	1.58	10.70	V
	2472	-58.56	-13	-45.56	-66.81	2.10	12.50	V
	3296	-59.96	-13	-46.96	-68.85	2.86	13.90	V
Middle	1664	-60.95	-13	-47.95	-67.92	1.58	10.70	H
	2496	-60.62	-13	-47.62	-68.87	2.102	12.50	H
	3328	-60.28	-13	-47.28	-69.17	2.856	13.90	H
	1664	-63.87	-13	-50.87	-70.84	1.58	10.70	V
	2496	-59.82	-13	-46.82	-68.07	2.10	12.50	V
	3328	-60.78	-13	-47.78	-69.67	2.86	13.90	V
Highest	1680	-65.11	-13	-52.11	-72.08	1.58	10.70	H
	2520	-59.84	-13	-46.84	-68.09	2.102	12.50	H
	3360	-60.13	-13	-47.13	-69.02	2.856	13.90	H
	1680	-63.95	-13	-50.95	-70.92	1.58	10.70	V
	2520	-59.36	-13	-46.36	-67.61	2.10	12.50	V
	3360	-60.25	-13	-47.25	-69.14	2.86	13.90	V

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



LTE Band 7 / 20MHz / QPSK								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5008	-59.33	-25	-34.33	-69.54	3.03	13.24	H
	7500	-52.83	-25	-27.83	-62.28	3.56	13.01	H
	10006	-62.50	-25	-37.50	-72.02	3.92	13.44	H
	5008	-59.13	-25	-34.13	-69.34	3.03	13.24	V
	7500	-53.93	-25	-28.93	-63.38	3.56	13.01	V
	10006	-62.68	-25	-37.68	-72.20	3.92	13.44	V
Middle	5050	-64.76	-25	-39.76	-74.97	3.03	13.24	H
	7584	-58.84	-25	-33.84	-68.29	3.56	13.01	H
	10104	-62.56	-25	-37.56	-72.08	3.92	13.44	H
	5050	-52.88	-25	-27.88	-63.09	3.03	13.24	V
	7584	-53.25	-25	-28.25	-62.70	3.56	13.01	V
	10104	-62.68	-25	-37.68	-72.20	3.92	13.44	V
Highest	5106	-58.60	-25	-33.60	-68.81	3.03	13.24	H
	7654	-47.61	-25	-22.61	-57.06	3.56	13.01	H
	10202	-62.65	-25	-37.65	-72.17	3.92	13.44	H
	5106	-60.81	-25	-35.81	-71.02	3.03	13.24	V
	7654	-50.65	-25	-25.65	-60.10	3.56	13.01	V
	10202	-63.48	-25	-38.48	-73.00	3.92	13.44	V

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



LTE Band 41 / 20MHz / QPSK								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5008	-62.88	-25	-37.88	-73.09	3.03	13.24	H
	7500	-51.61	-25	-26.61	-61.06	3.56	13.01	H
	10006	-62.48	-25	-37.48	-72.00	3.92	13.44	H
	5008	-60.94	-25	-35.94	-71.15	3.03	13.24	V
	7500	-56.32	-25	-31.32	-65.77	3.56	13.01	V
	10006	-63.02	-25	-38.02	-72.54	3.92	13.44	V
Middle	5162	-59.82	-25	-34.82	-70.03	3.03	13.24	H
	7752	-44.83	-25	-19.83	-54.28	3.56	13.01	H
	10342	-62.53	-25	-37.53	-72.05	3.92	13.44	H
	5162	-62.93	-25	-37.93	-73.14	3.03	13.24	V
	7752	-46.23	-25	-21.23	-55.68	3.56	13.01	V
	10342	-62.79	-25	-37.79	-72.31	3.92	13.44	V
Highest	5344	-61.45	-25	-36.45	-71.66	3.03	13.24	H
	8018	-54.54	-25	-29.54	-63.99	3.56	13.01	H
	10678	-61.99	-25	-36.99	-71.51	3.92	13.44	H
	5344	-64.49	-25	-39.49	-74.70	3.03	13.24	V
	8018	-54.24	-25	-29.24	-63.69	3.56	13.01	V
	10678	-61.97	-25	-36.97	-71.49	3.92	13.44	V

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