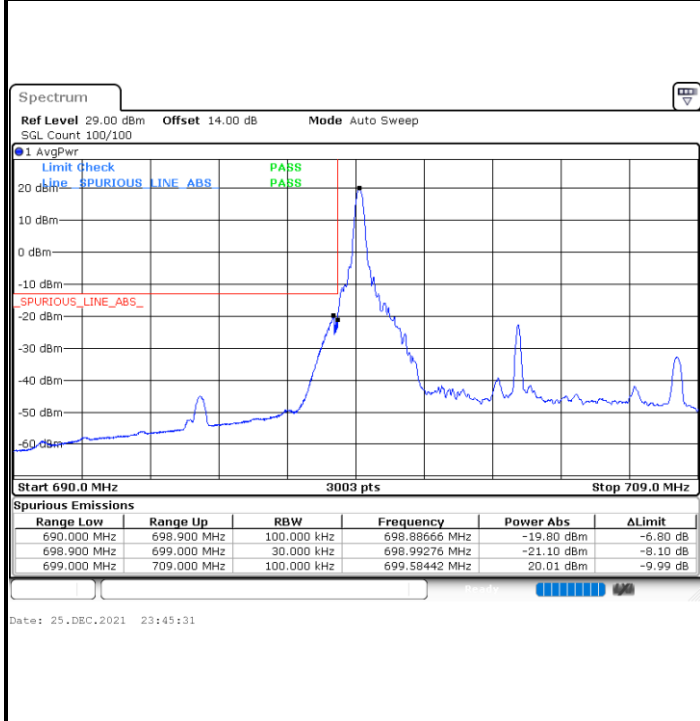


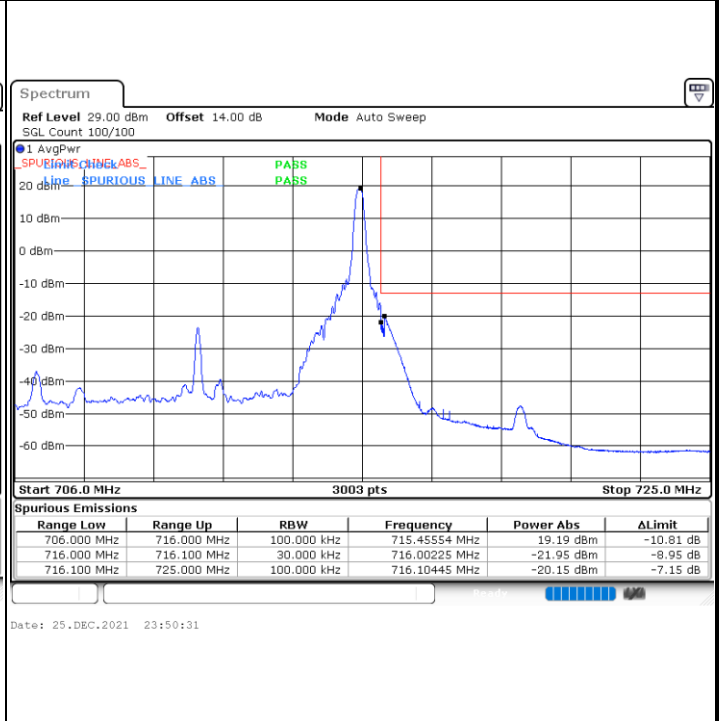


LTE Band 12 / 10MHz / 64QAM

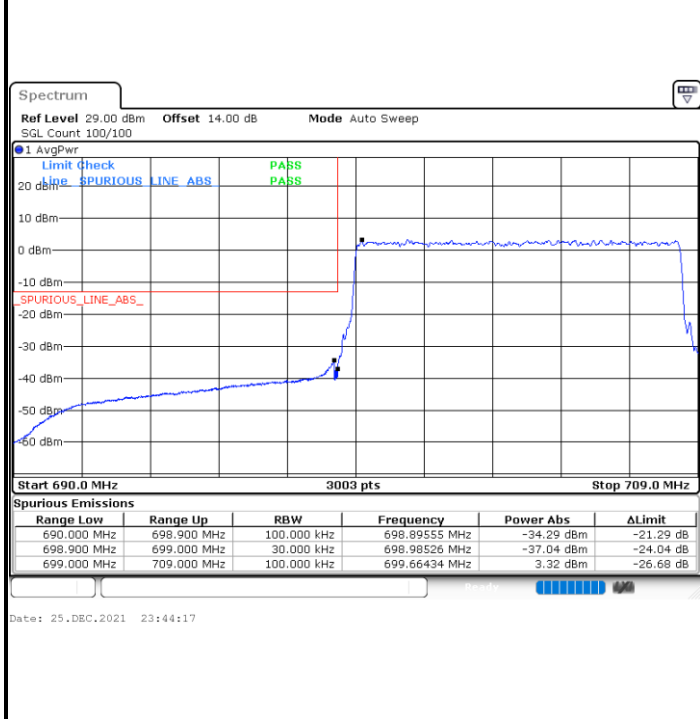
Lowest Band Edge / 1 RB



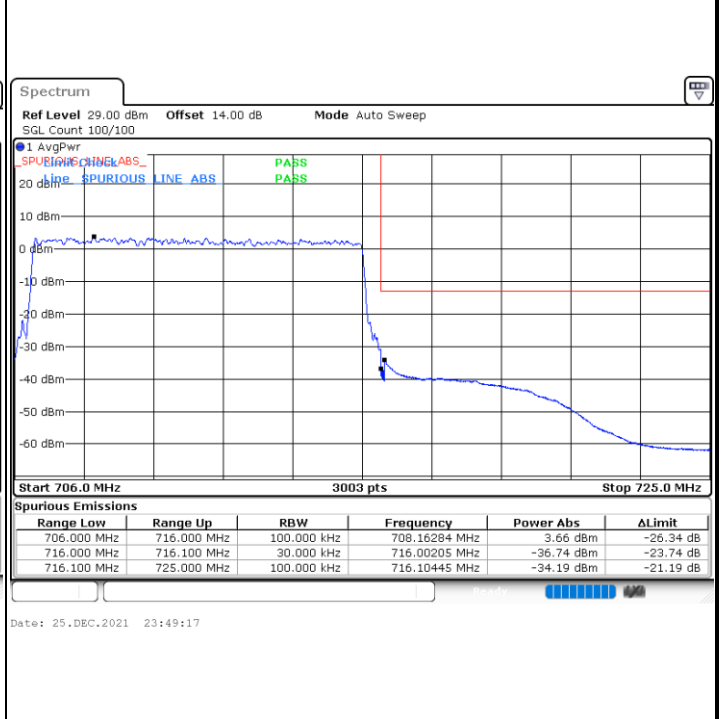
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

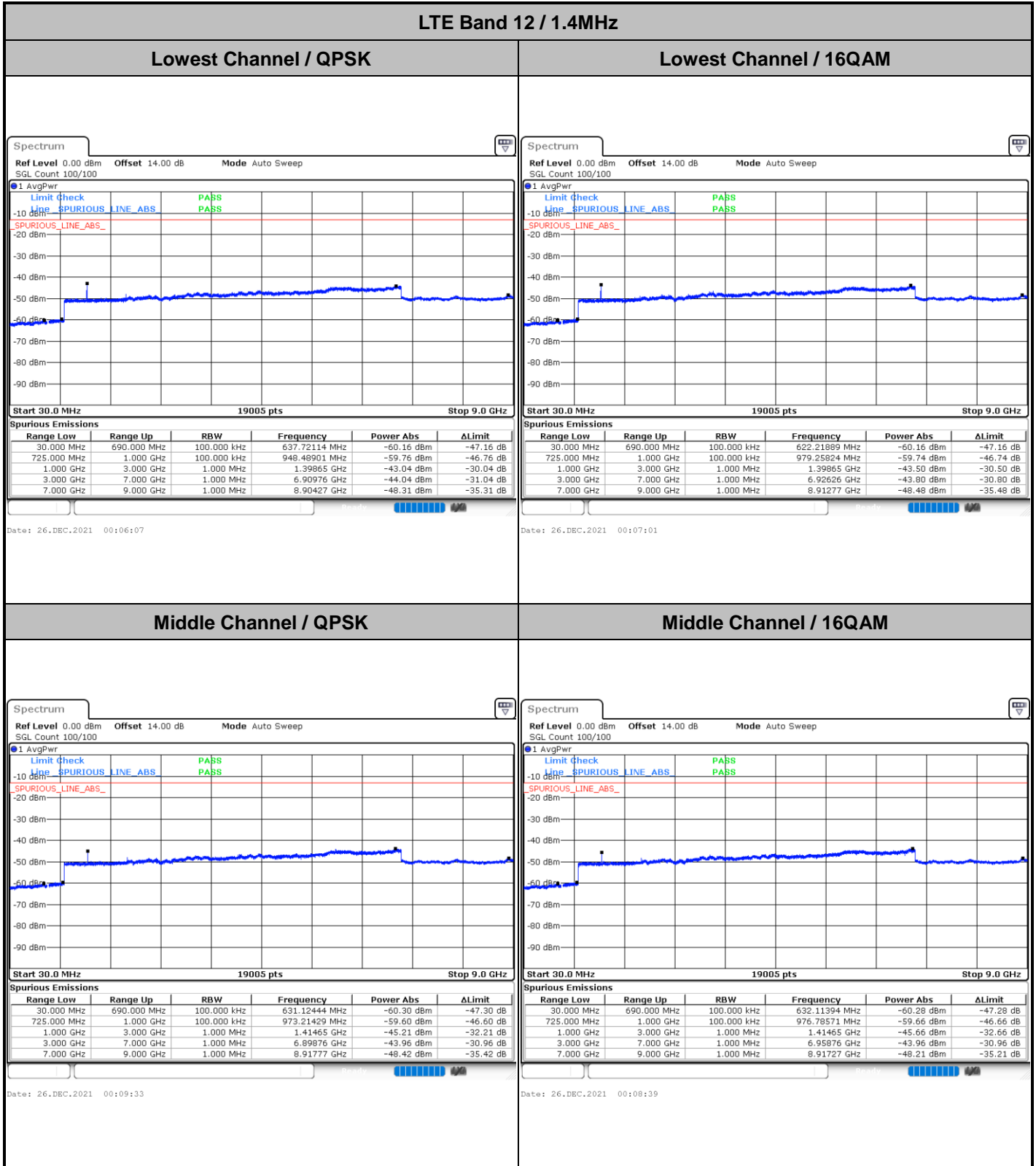


Highest Band Edge / Full RB





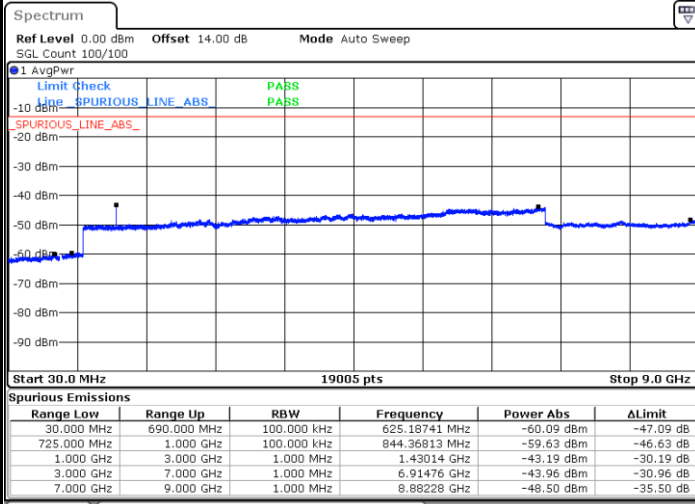
Conducted Spurious Emission





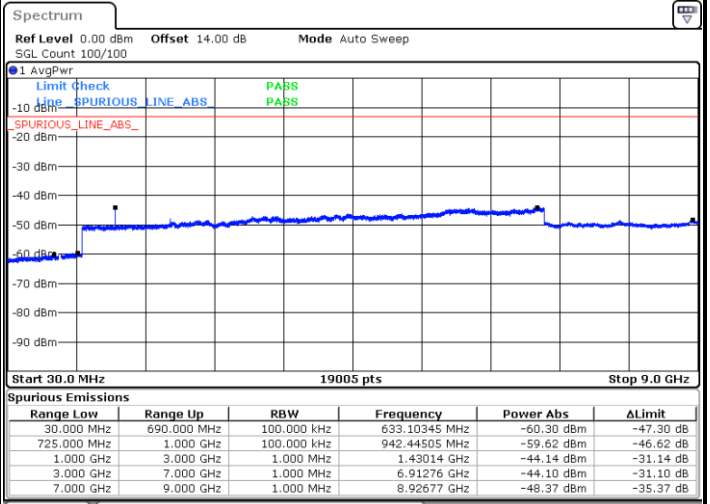
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 26.DEC.2021 00:19:07

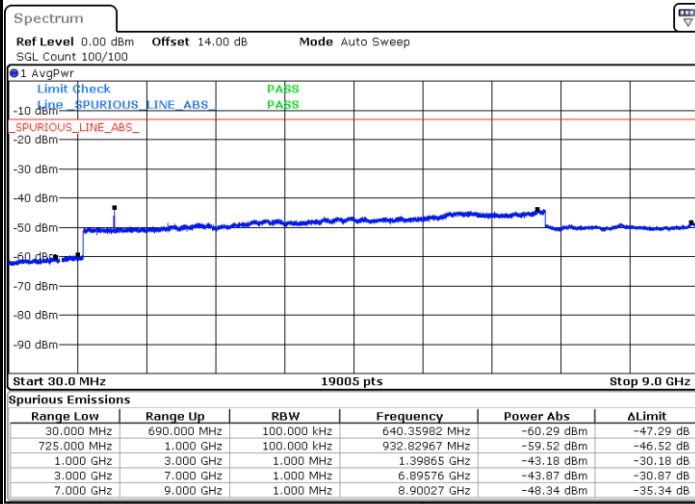
Highest Channel / 16QAM



Date: 26.DEC.2021 00:20:01

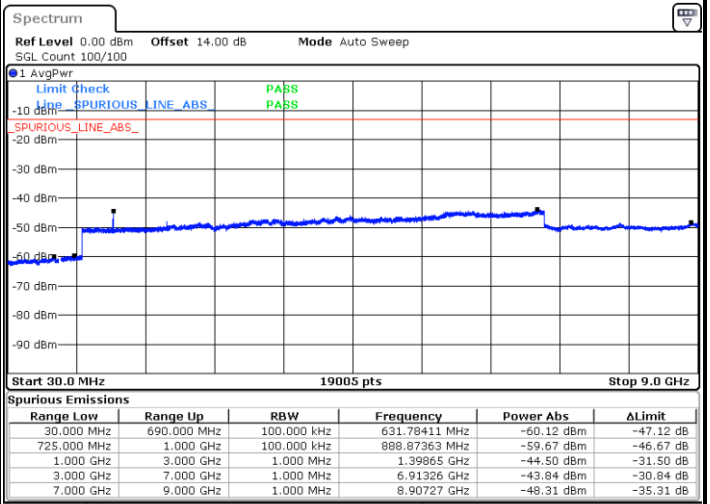
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 25.DEC.2021 22:26:58

Lowest Channel / 16QAM



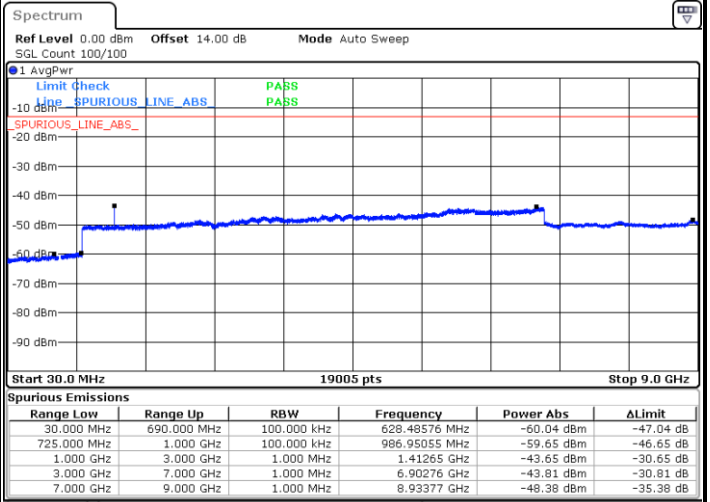
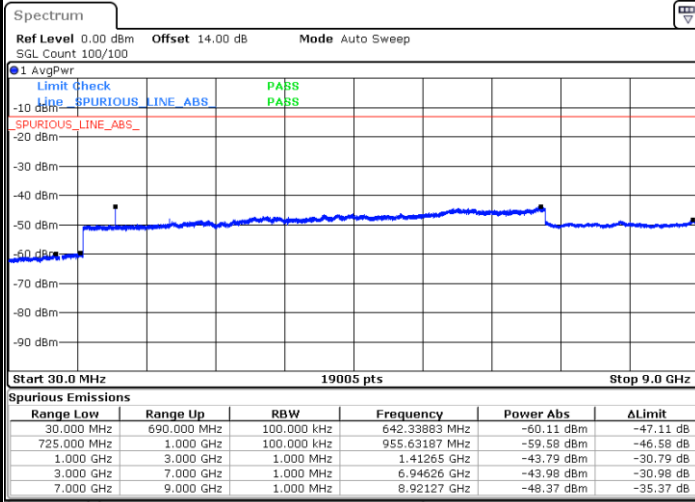
Date: 25.DEC.2021 22:27:52



LTE Band 12 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

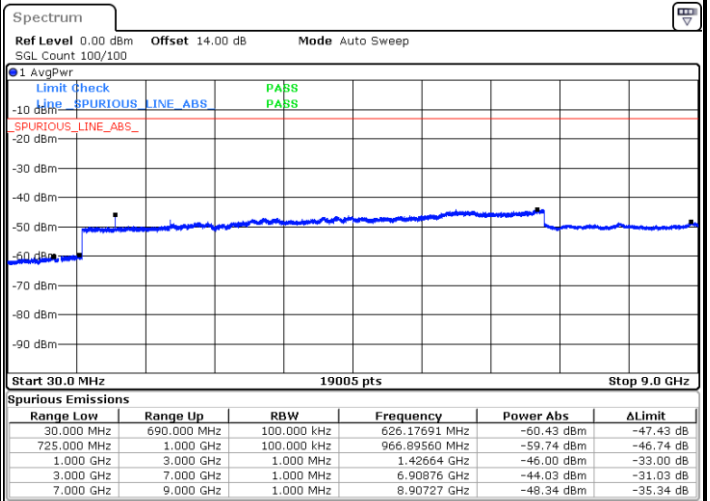
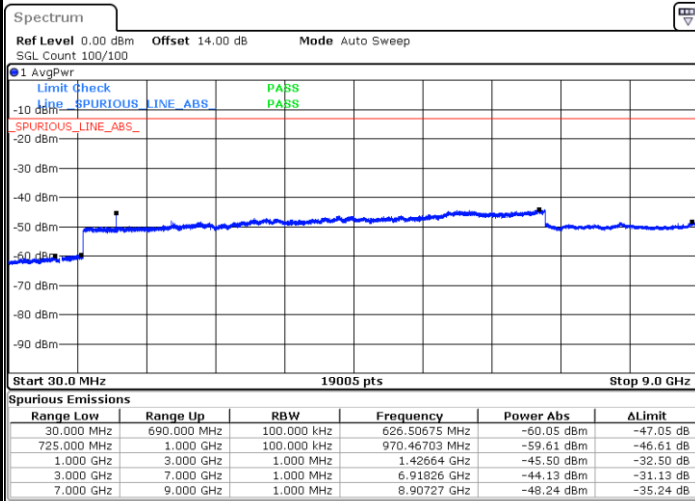


Date: 25.DEC.2021 22:30:25

Date: 25.DEC.2021 22:29:31

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 25.DEC.2021 22:36:59

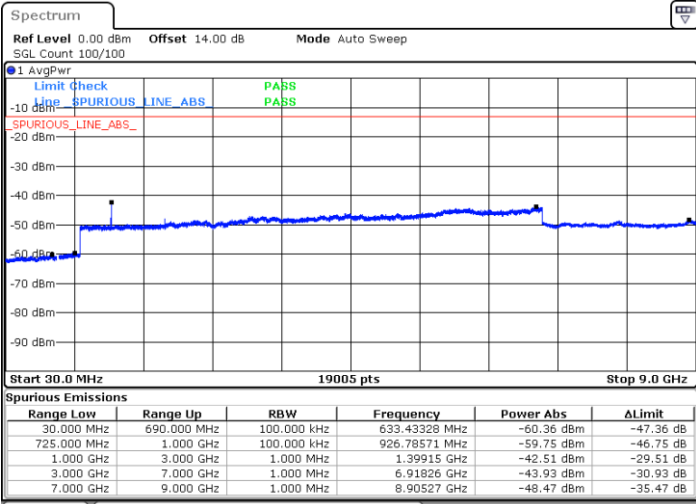
Date: 25.DEC.2021 22:37:53



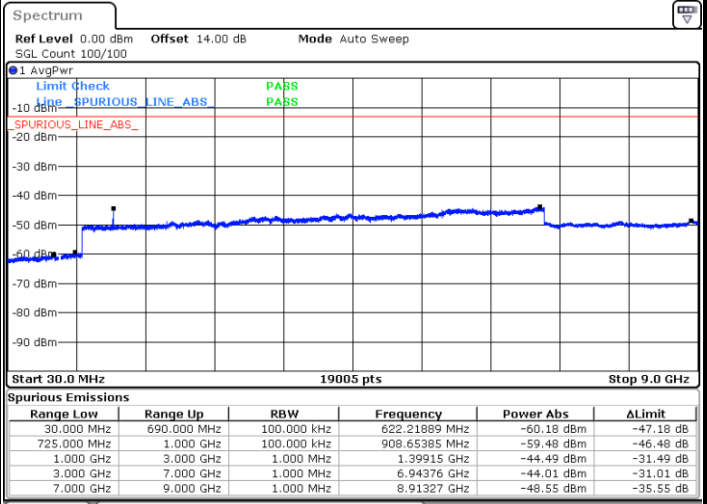
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



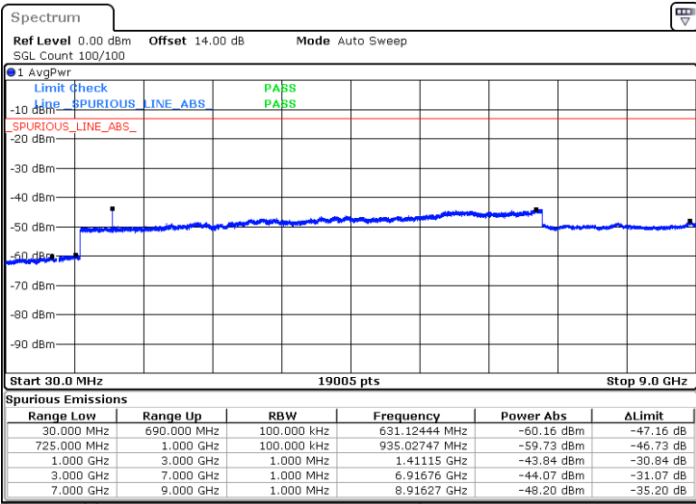
Date: 25.DEC.2021 23:14:19



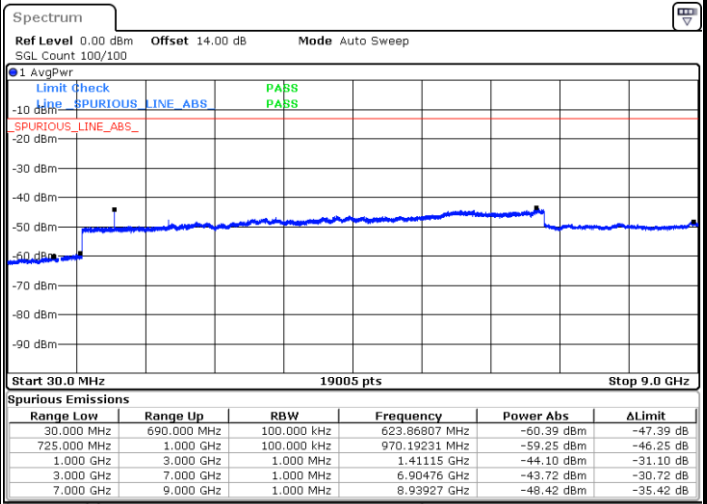
Date: 25.DEC.2021 23:15:13

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 25.DEC.2021 23:17:45

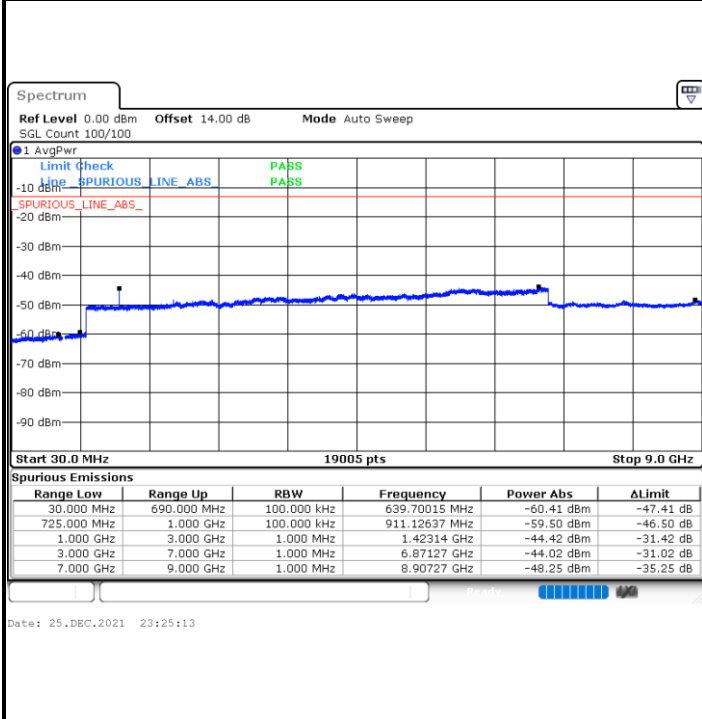


Date: 25.DEC.2021 23:16:51

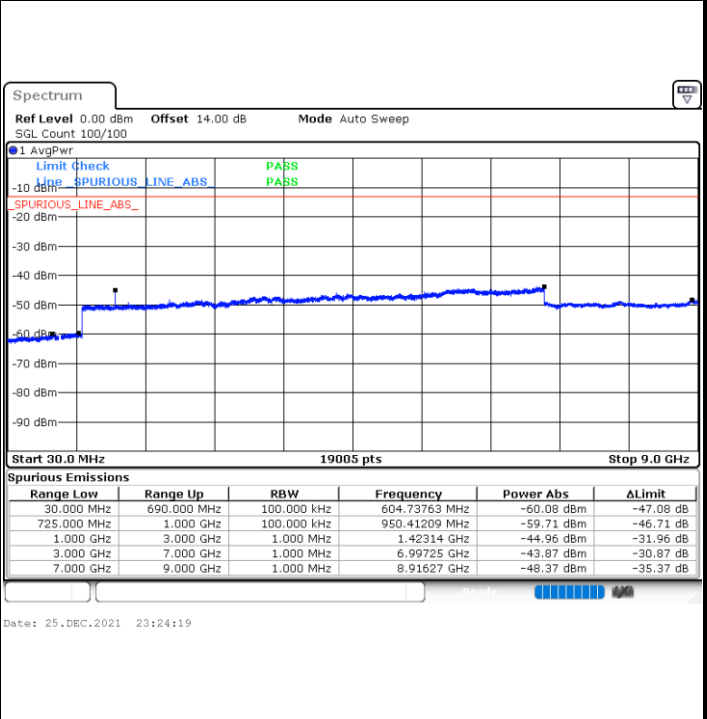


LTE Band 12 / 5MHz

Highest Channel / QPSK

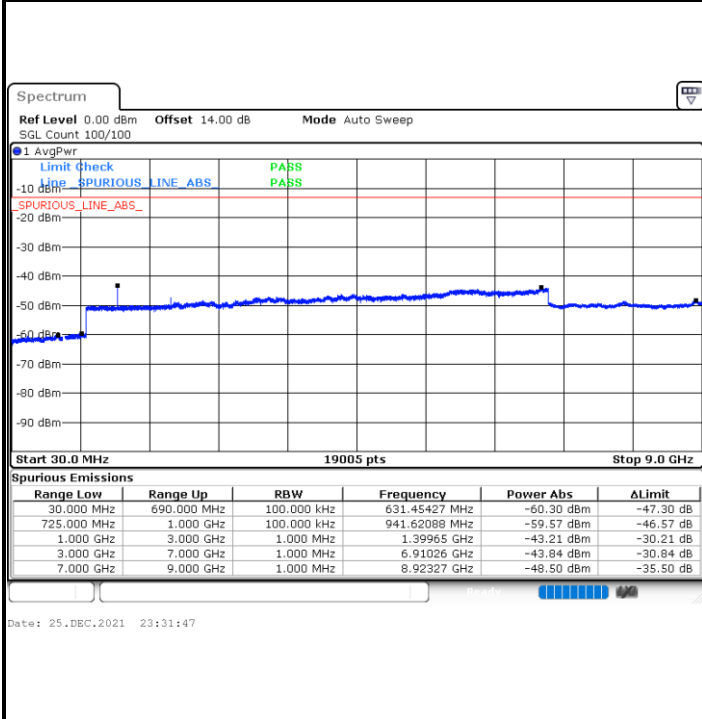


Highest Channel / 16QAM

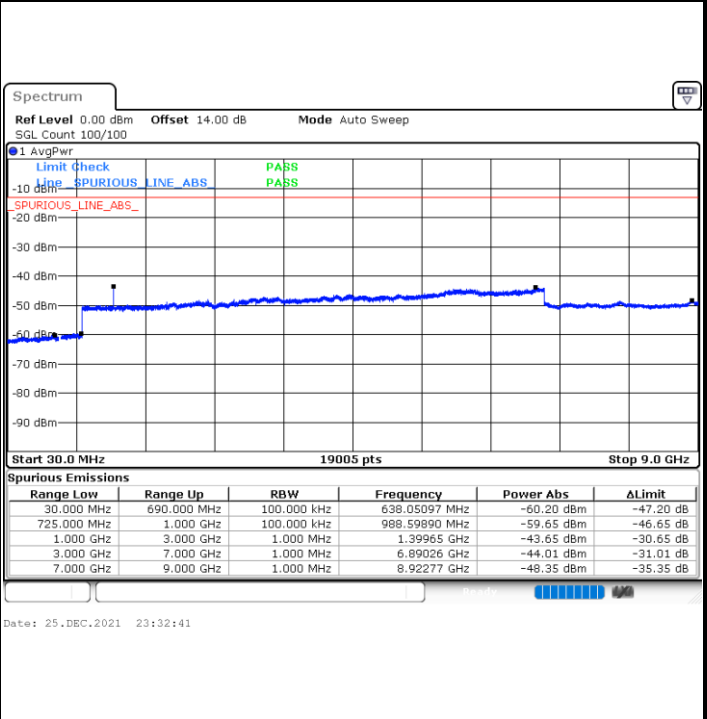


LTE Band 12 / 10MHz

Lowest Channel / QPSK



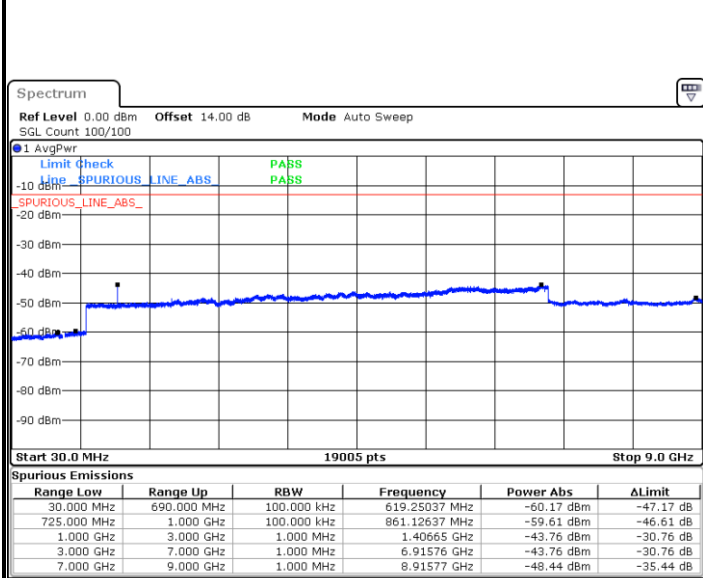
Lowest Channel / 16QAM





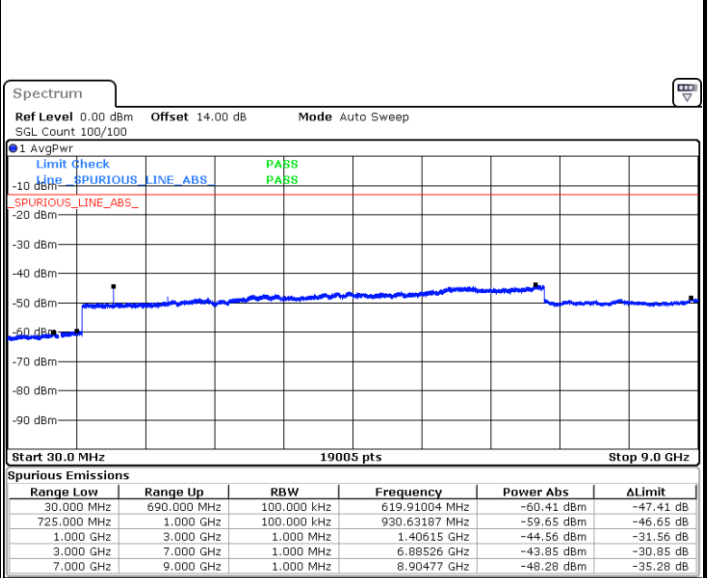
LTE Band 12 / 10MHz

Middle Channel / QPSK



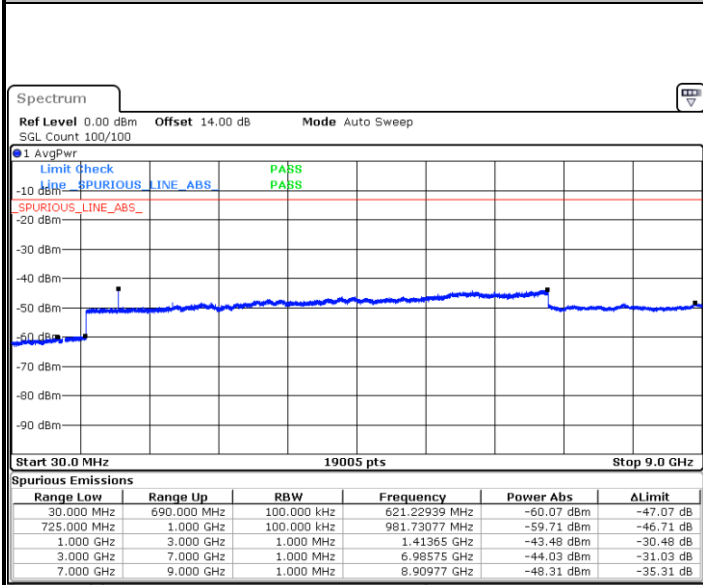
Date: 25.DEC.2021 23:35:14

Middle Channel / 16QAM



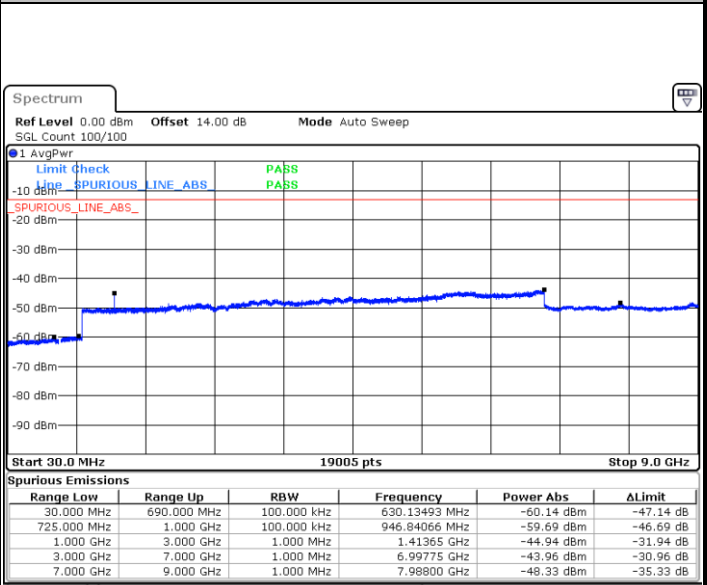
Date: 25.DEC.2021 23:34:20

Highest Channel / QPSK



Date: 25.DEC.2021 23:41:48

Highest Channel / 16QAM

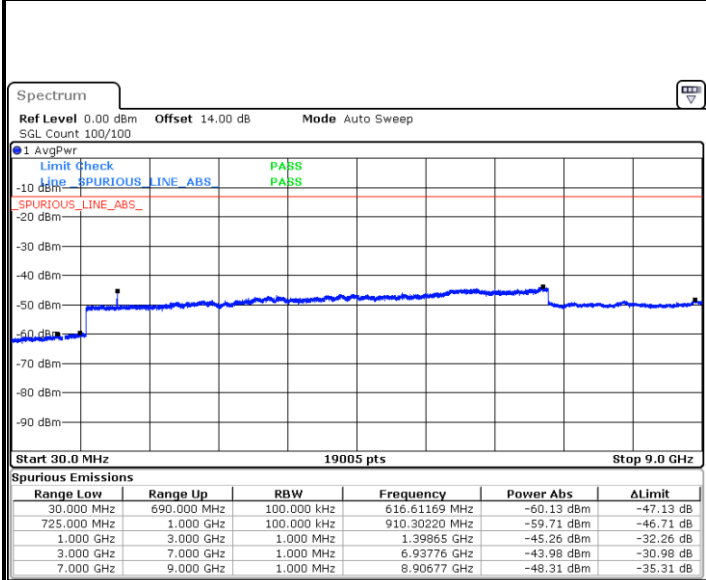


Date: 25.DEC.2021 23:42:42



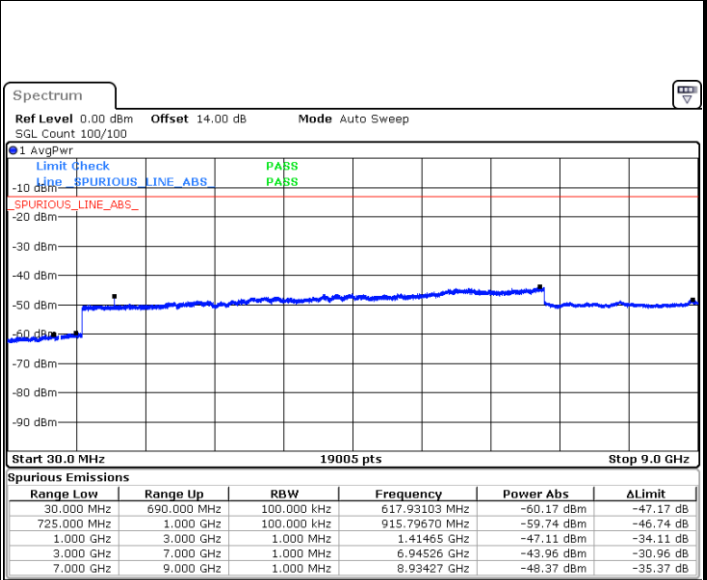
LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM



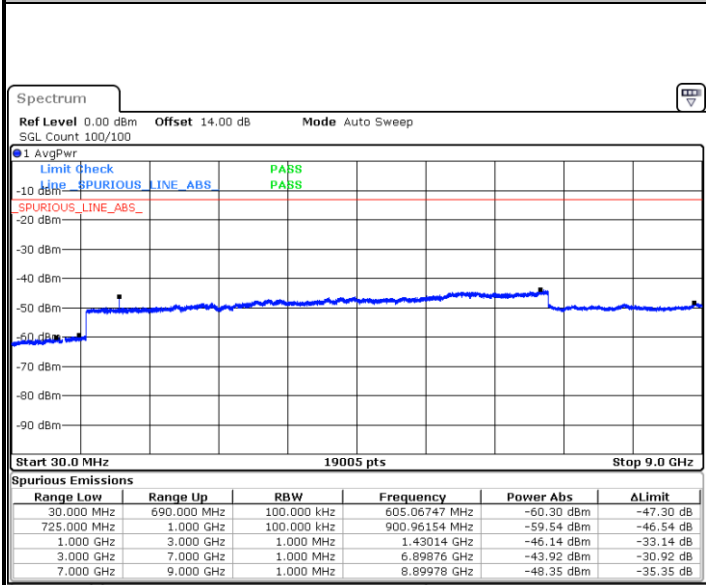
Date: 26.DEC.2021 00:25:16

Middle Channel / 64QAM



Date: 26.DEC.2021 00:26:32

Highest Channel / 64QAM



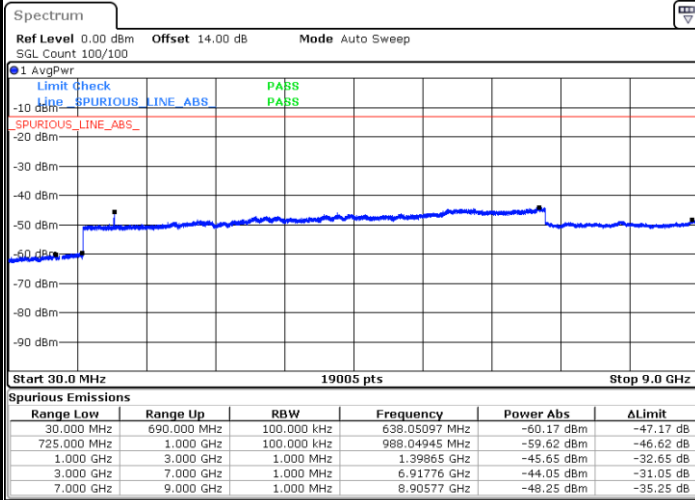
Date: 26.DEC.2021 00:31:46



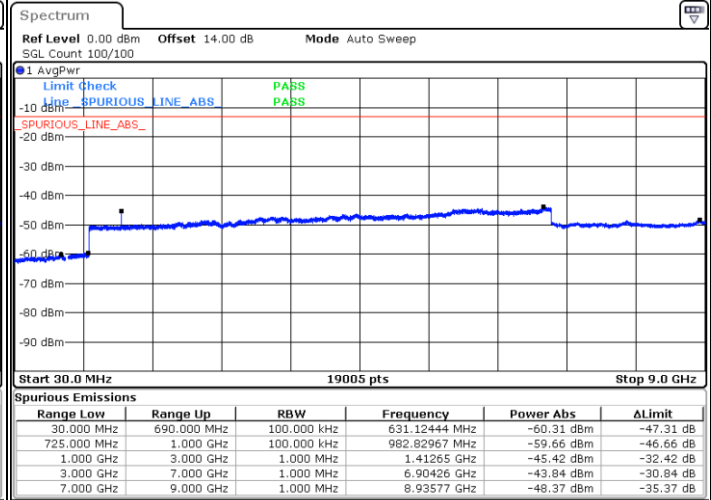
LTE Band 12 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

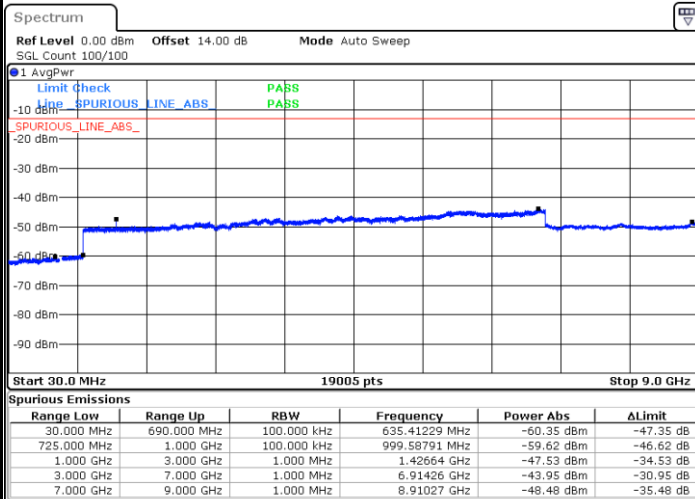


Date: 25.DEC.2021 22:41:37



Date: 25.DEC.2021 22:42:53

Highest Channel / 64QAM



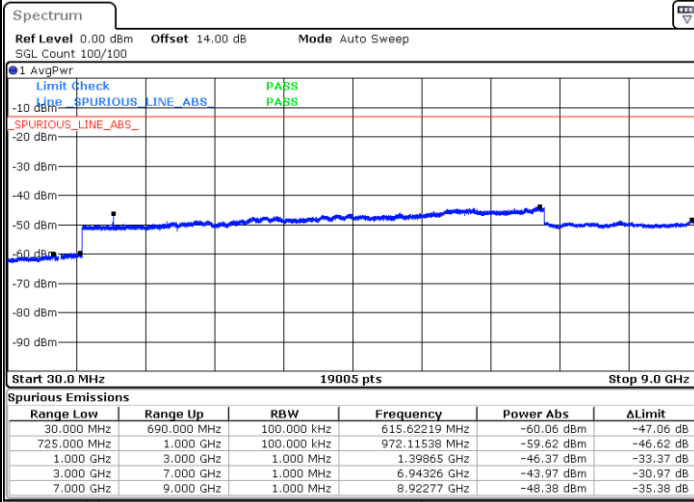
Date: 25.DEC.2021 22:46:37



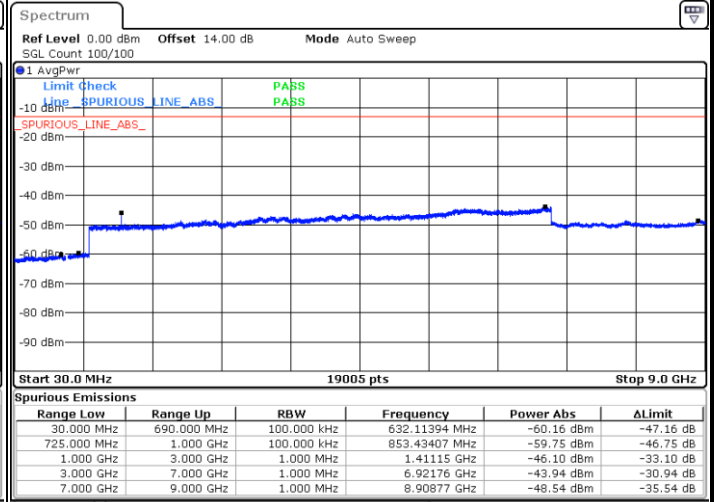
LTE Band 12 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

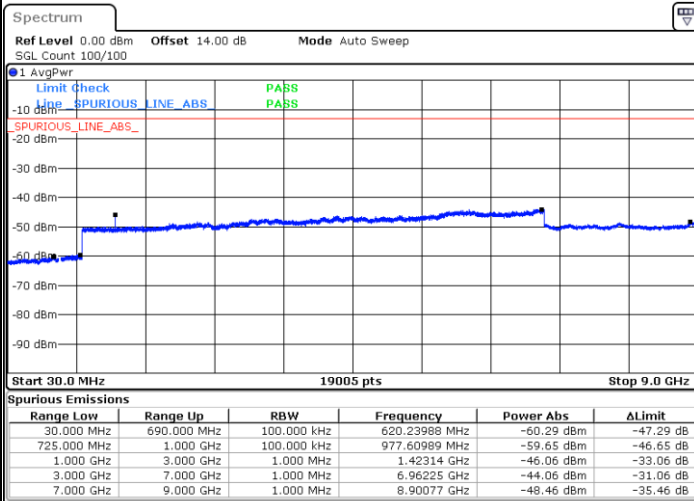


Date: 25.DEC.2021 22:50:22



Date: 25.DEC.2021 22:51:38

Highest Channel / 64QAM

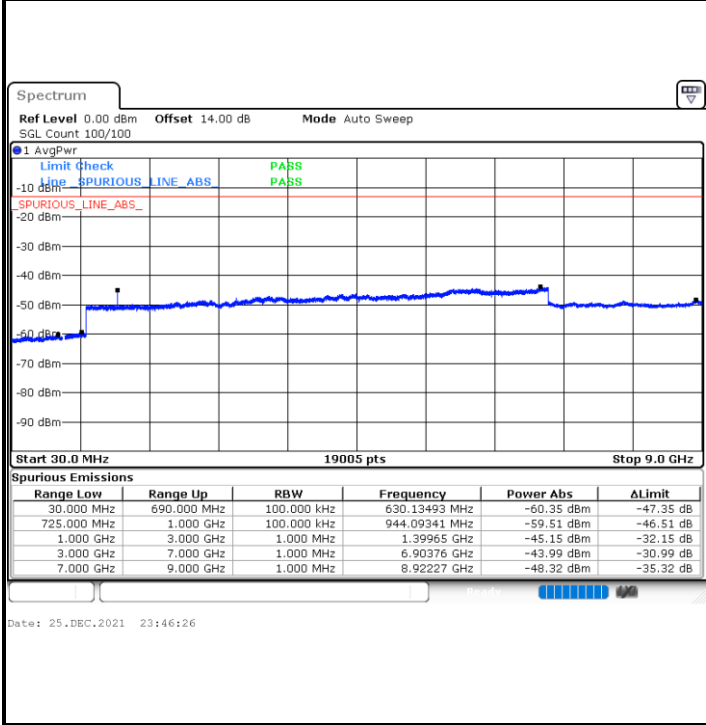


Date: 25.DEC.2021 22:55:22

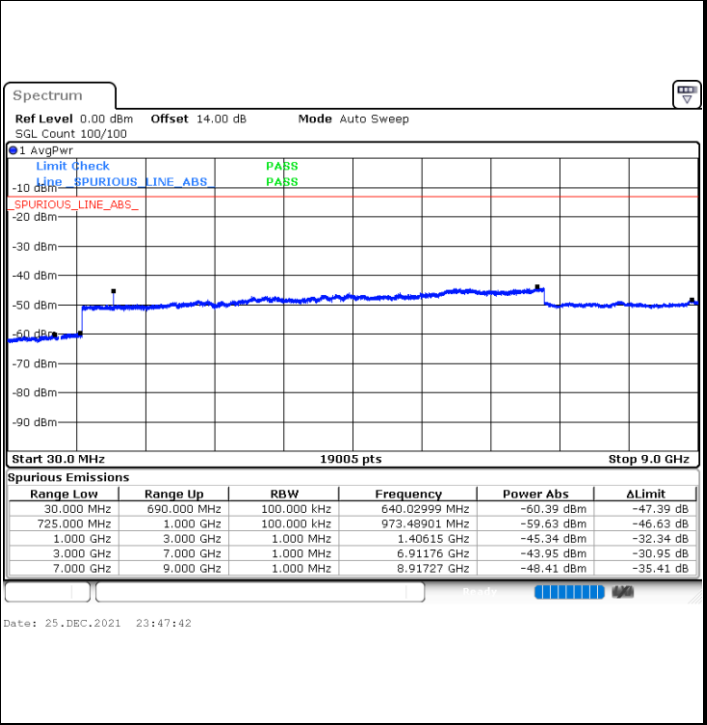


LTE Band 12 / 10MHz

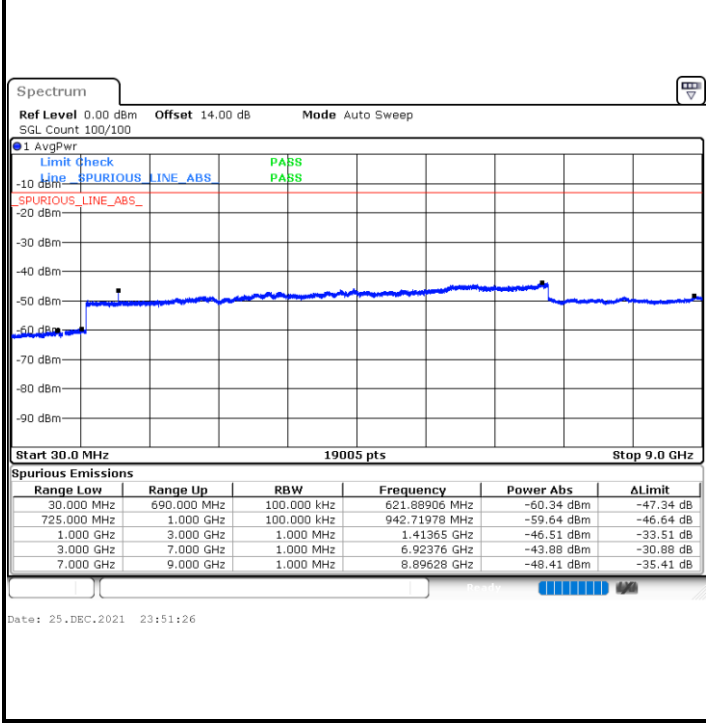
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM





Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0038	
20	Maximum Voltage	0.0059	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0041	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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 :	Shun ping You	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742.18	-55.84	-13	-42.84	-76.30	-62.59	5.85	12.60	H
	5613.27	-56.25	-13	-43.25	-80.66	-62.05	7.30	13.10	H
	7484.36	-51.54	-13	-38.54	-80.21	-54.69	8.35	11.50	H
	9355	-46.54	-13	-33.54	-80.92	-48.69	9.85	12.00	H
	3742.18	-59.03	-13	-46.03	-79.41	-65.78	5.85	12.60	V
	5613.27	-55.76	-13	-42.76	-80.36	-61.56	7.30	13.10	V
	7484.36	-51.61	-13	-38.61	-80.27	-54.76	8.35	11.50	V
	9355	-45.00	-13	-32.00	-78.5	-47.15	9.85	12.00	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447.18	-60.88	-13	-47.88	-78.87	-67.73	5.65	12.50	H
	5170.77	-51.91	-13	-38.91	-76.62	-57.58	7.13	12.80	H
	6894.36	-52.49	-13	-39.49	-80.81	-55.89	8.40	11.80	H
	3447.18	-61.15	-13	-48.15	-79.18	-68.00	5.65	12.50	V
	5170.77	-55.71	-13	-42.71	-80.69	-61.38	7.13	12.80	V
	6894.36	-51.97	-13	-38.97	-80.77	-55.37	8.40	11.80	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.18	-65.56	-13	-52.56	-75.74	-68.81	4.00	9.40	H
	2496.27	-59.05	-13	-46.05	-74.19	-62.62	4.88	10.60	H
	3328.36	-61.85	-13	-48.85	-79.28	-66.78	5.52	12.60	H
	1664.18	-63.41	-13	-50.41	-73.19	-66.66	4.00	9.40	V
	2496.27	-53.38	-13	-40.38	-68.48	-56.95	4.88	10.60	V
	3328.36	-62.09	-13	-49.09	-79.28	-67.02	5.52	12.60	V

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

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-61.91	-13	-48.91	-72.99	-65.16	4.00	9.40	H
	2109	-63.03	-13	-50.03	-76.15	-66.60	4.88	10.60	H
	2812	-61.53	-13	-48.53	-78.69	-66.46	5.52	12.60	H
	1406	-63.14	-13	-50.14	-73.87	-66.39	4.00	9.40	V
	2109	-62.36	-13	-49.36	-75.97	-65.93	4.88	10.60	V
	2812	-61.57	-13	-48.57	-78.45	-66.50	5.52	12.60	V

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