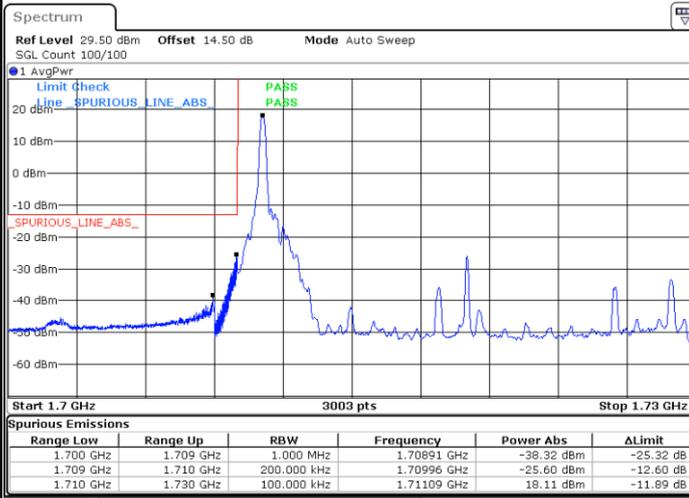




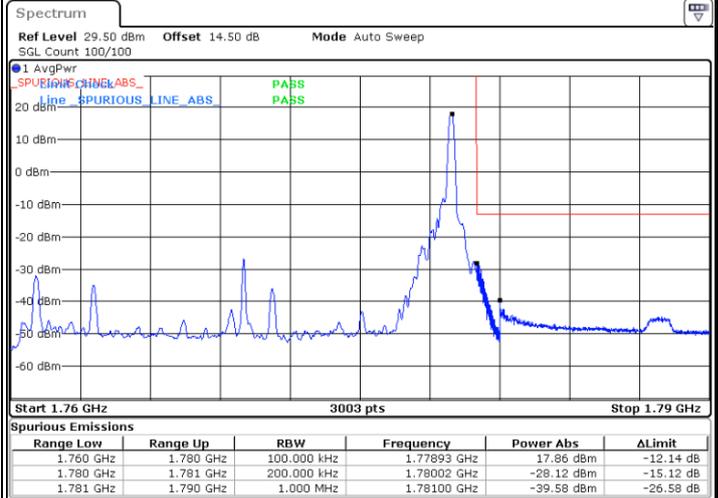
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



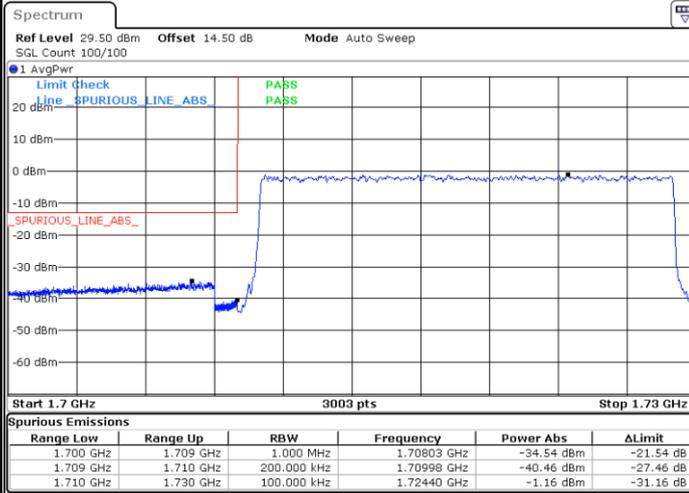
Date: 27.SEP.2021 01:20:11

Highest Band Edge / 1 RB



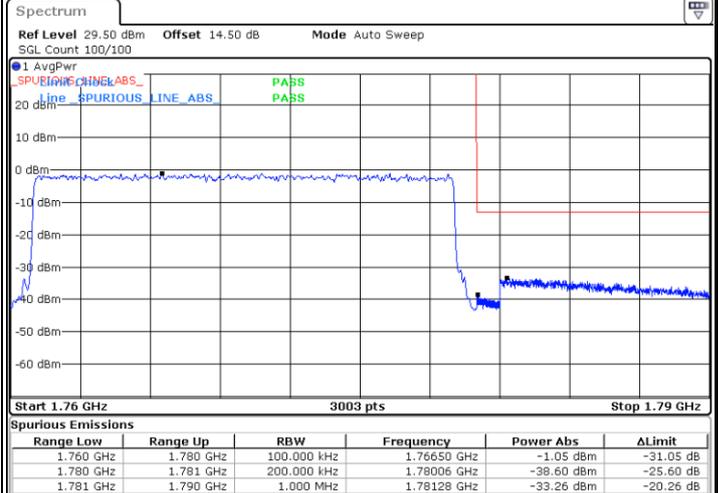
Date: 27.SEP.2021 01:24:45

Lowest Band Edge / Full RB



Date: 27.SEP.2021 01:21:05

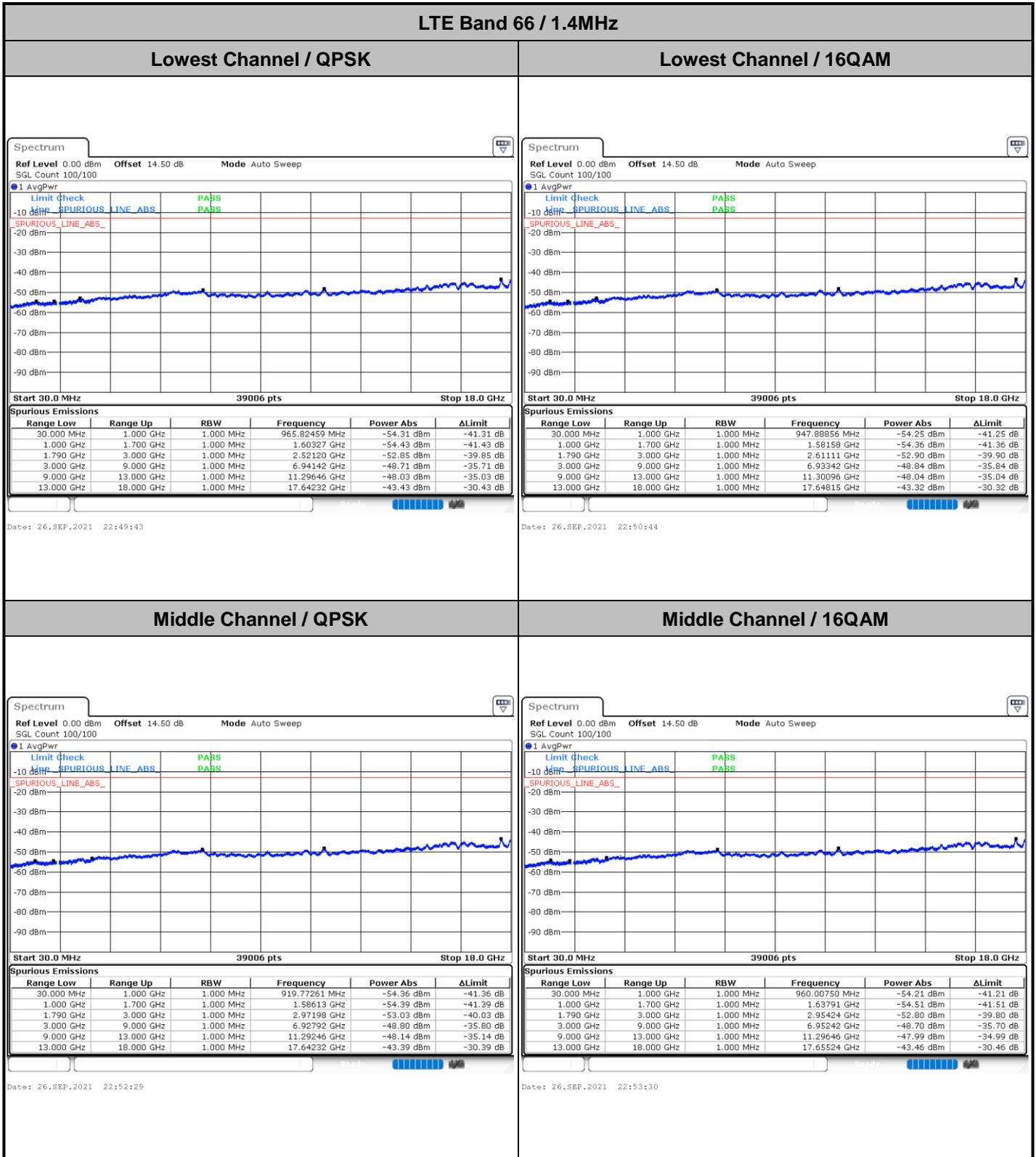
Highest Band Edge / Full RB



Date: 27.SEP.2021 01:25:39



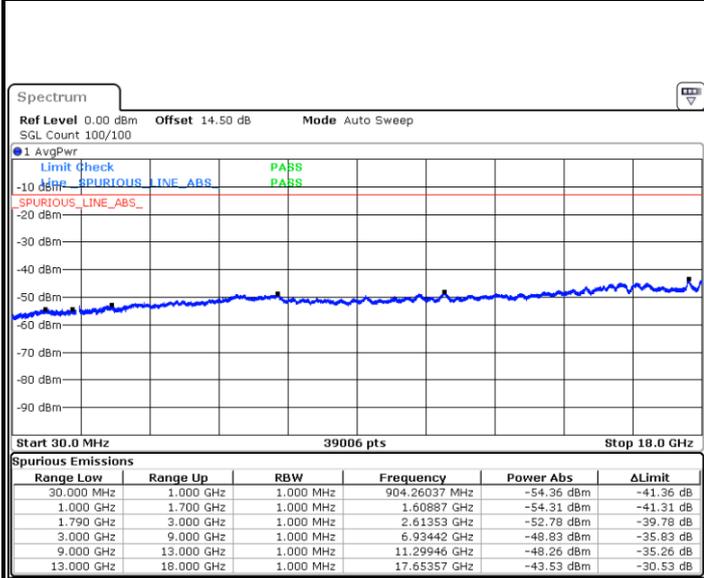
# Conducted Spurious Emission





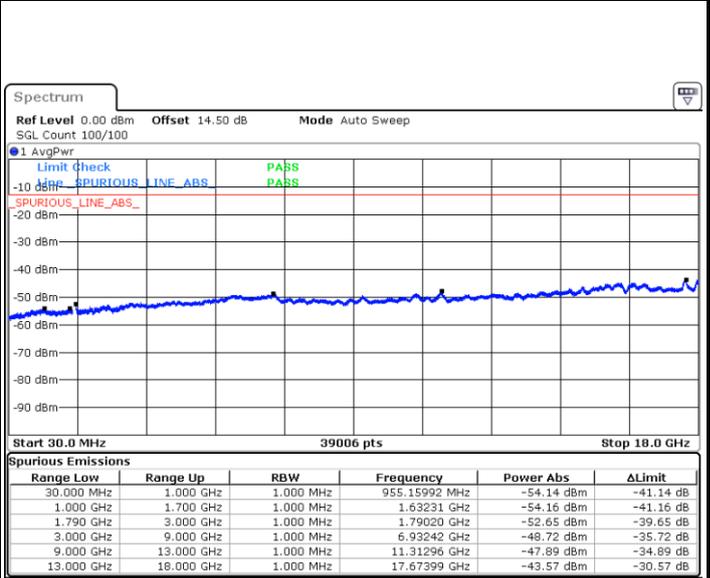
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 26.SEP.2021 22:59:24

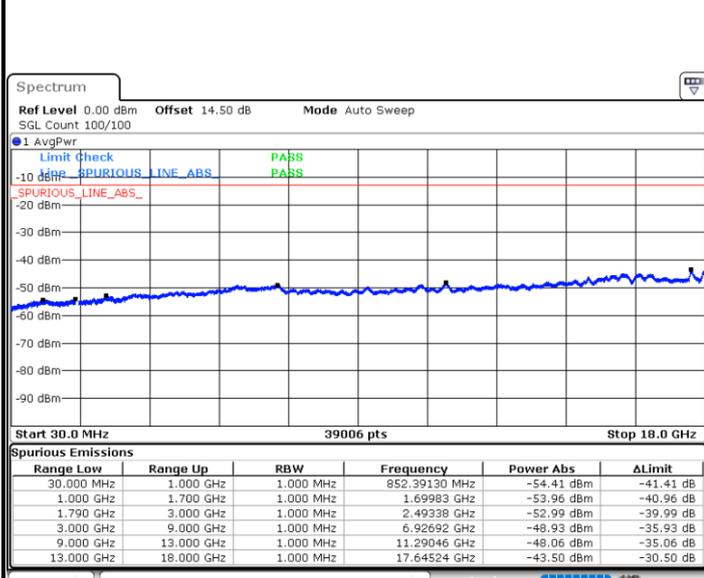
Highest Channel / 16QAM



Date: 26.SEP.2021 23:00:24

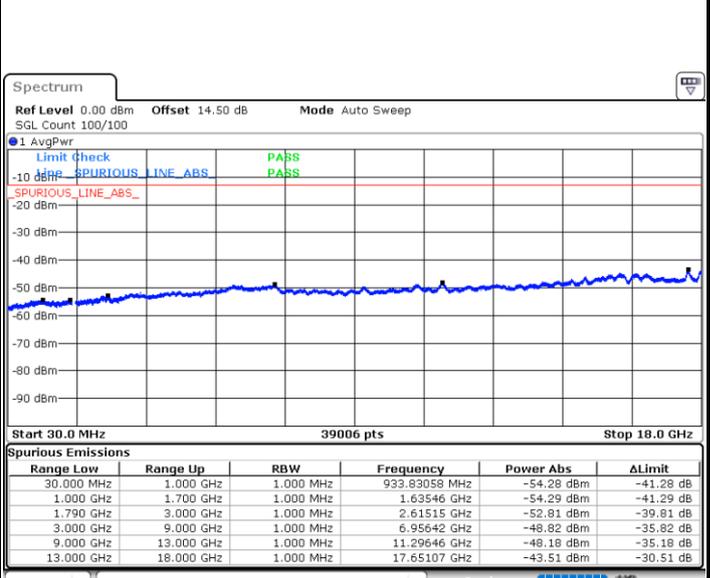
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 26.SEP.2021 23:14:05

Lowest Channel / 16QAM



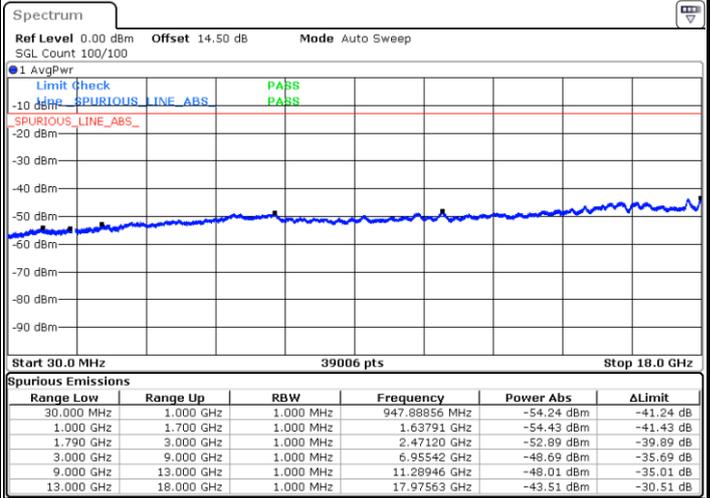
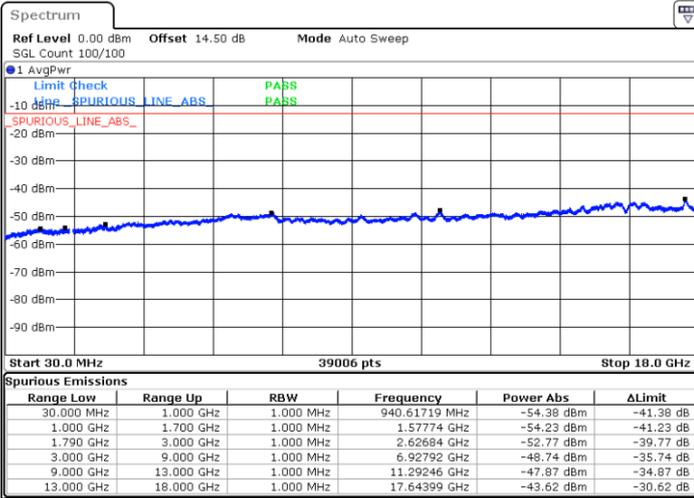
Date: 26.SEP.2021 23:15:05



LTE Band 66 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

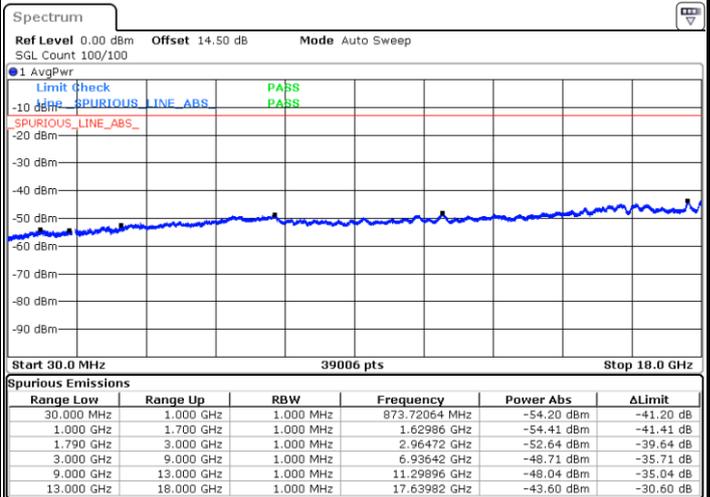
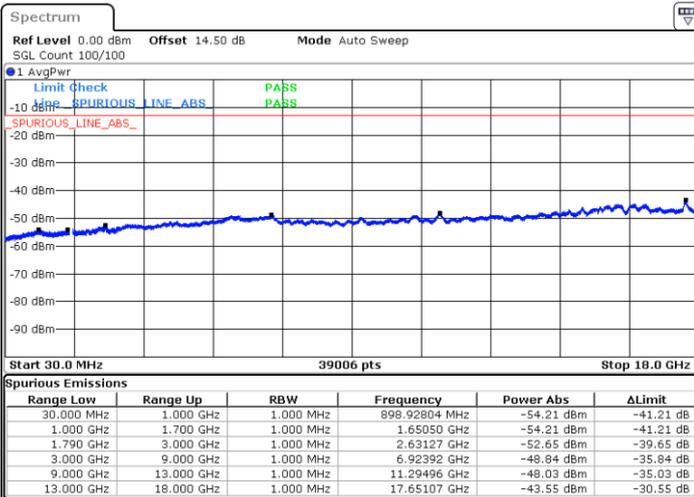


Date: 26.SEP.2021 23:16:51

Date: 26.SEP.2021 23:17:51

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26.SEP.2021 23:23:13

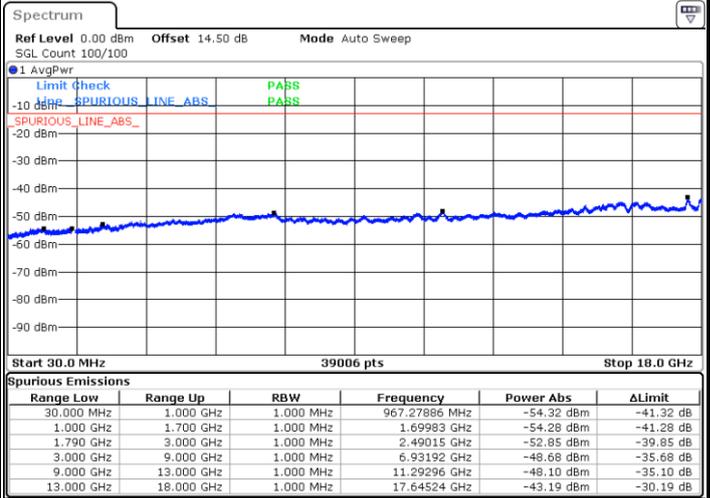
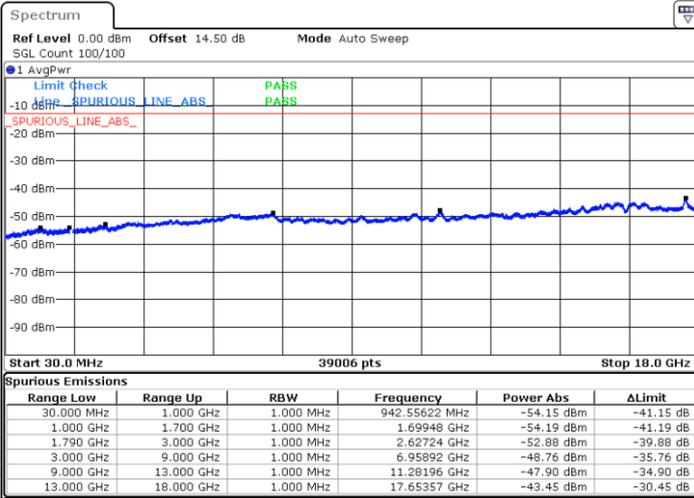
Date: 26.SEP.2021 23:24:13



LTE Band 66 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

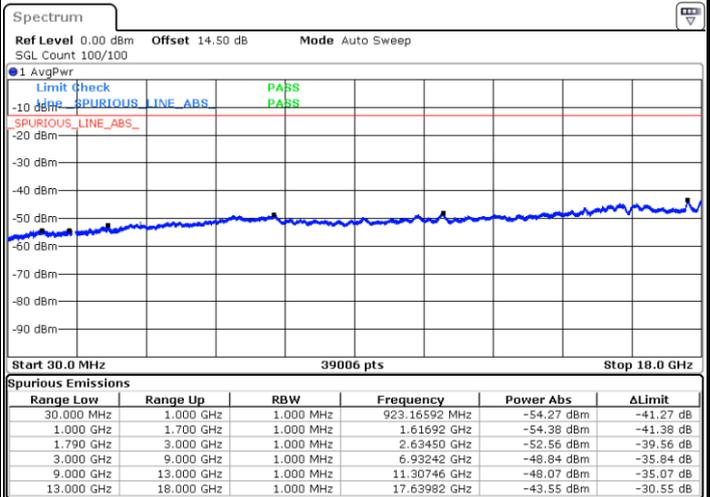
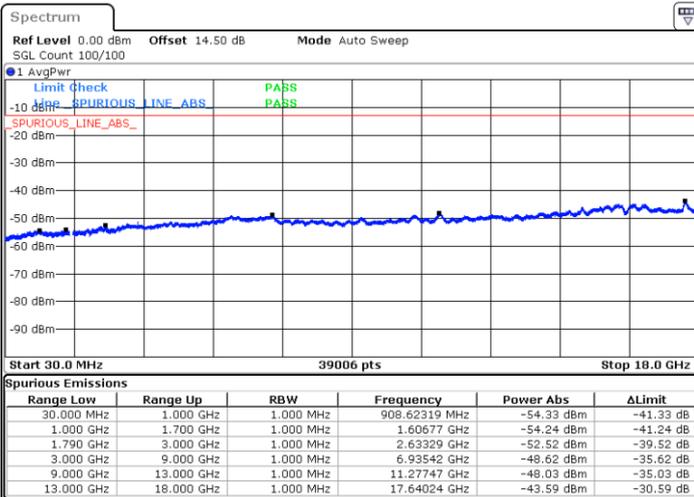


Date: 27.SEP.2021 00:06:43

Date: 27.SEP.2021 00:07:43

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 27.SEP.2021 00:09:29

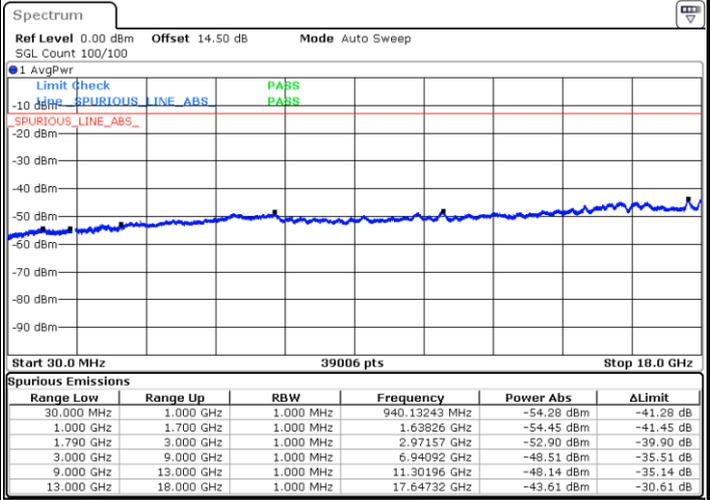
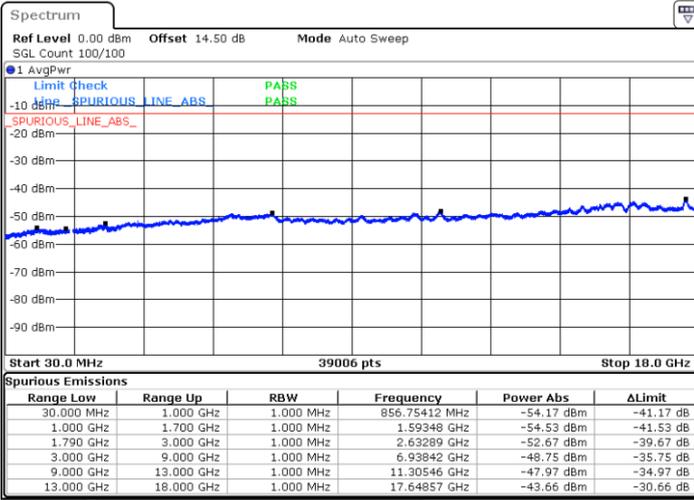
Date: 27.SEP.2021 00:10:29



LTE Band 66 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



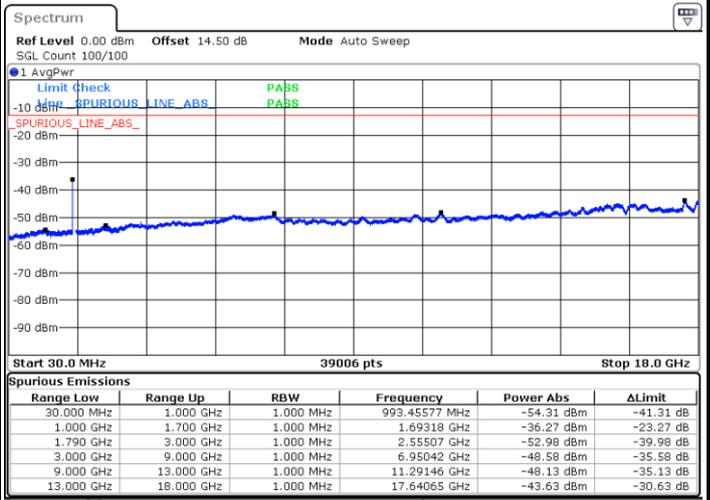
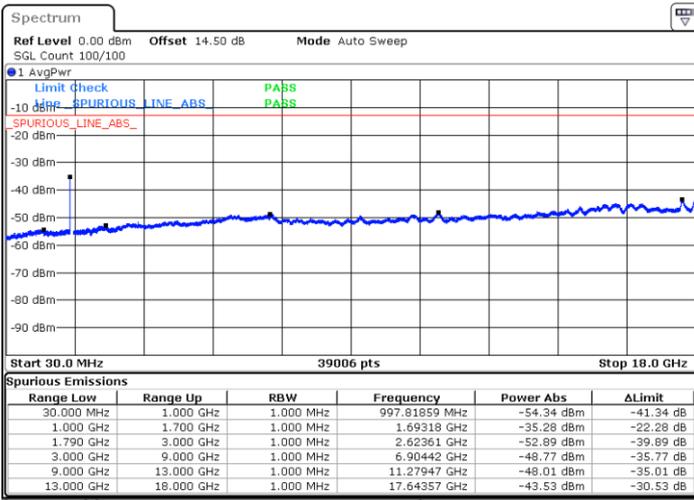
Date: 27.SEP.2021 00:15:51

Date: 27.SEP.2021 00:16:51

LTE Band 66 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 27.SEP.2021 00:22:14

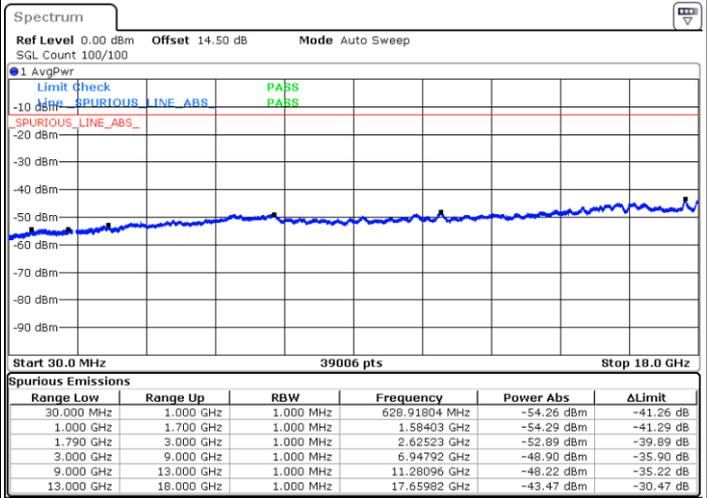
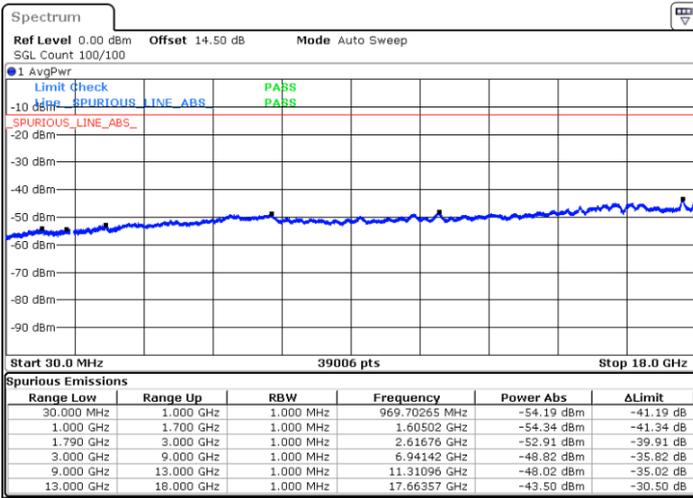
Date: 27.SEP.2021 00:23:14



LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

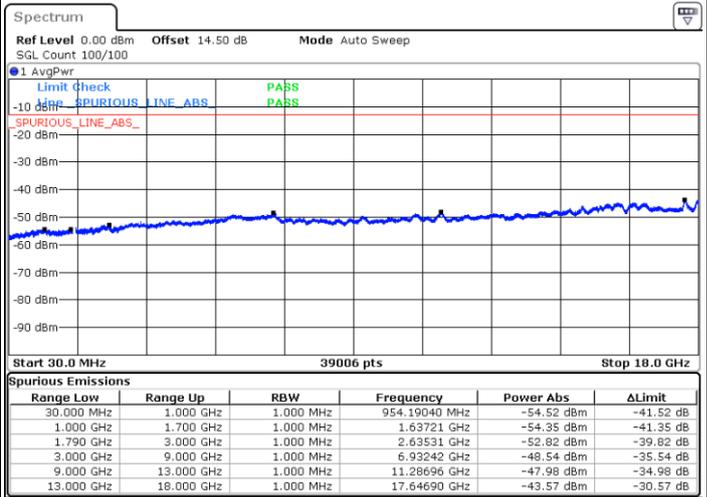
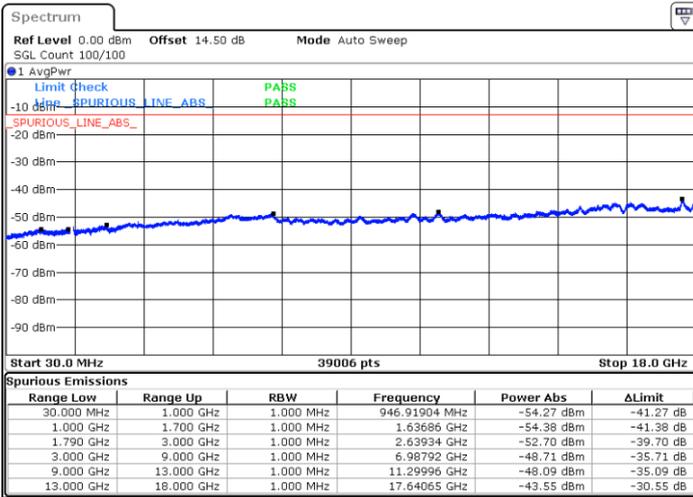


Date: 27.SEP.2021 00:24:59

Date: 27.SEP.2021 00:26:00

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.SEP.2021 00:31:22

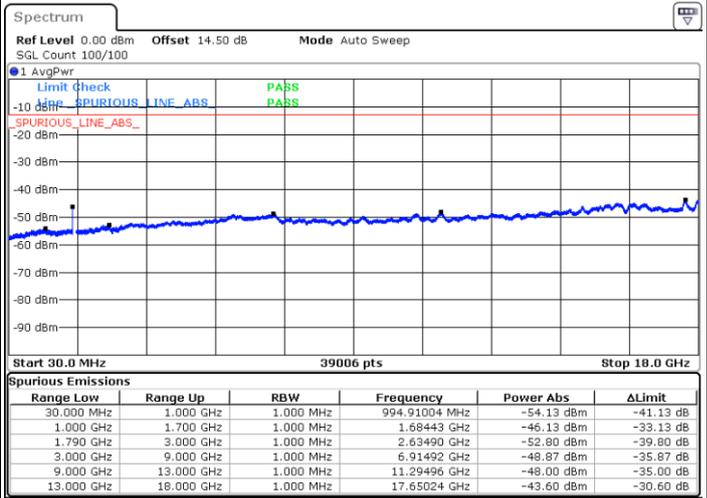
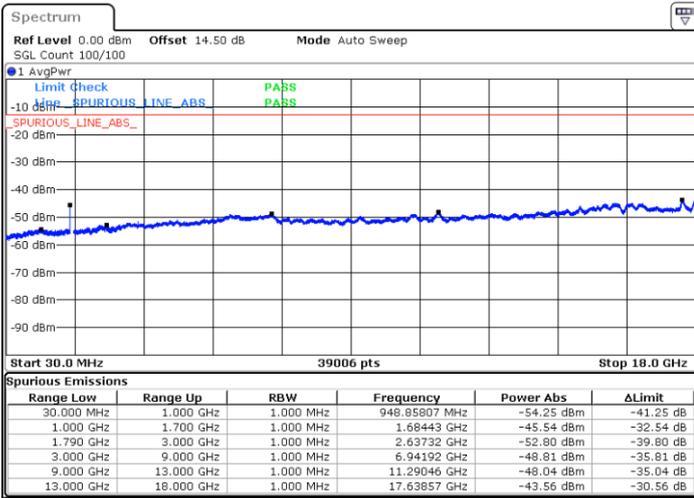
Date: 27.SEP.2021 00:32:23



LTE Band 66 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

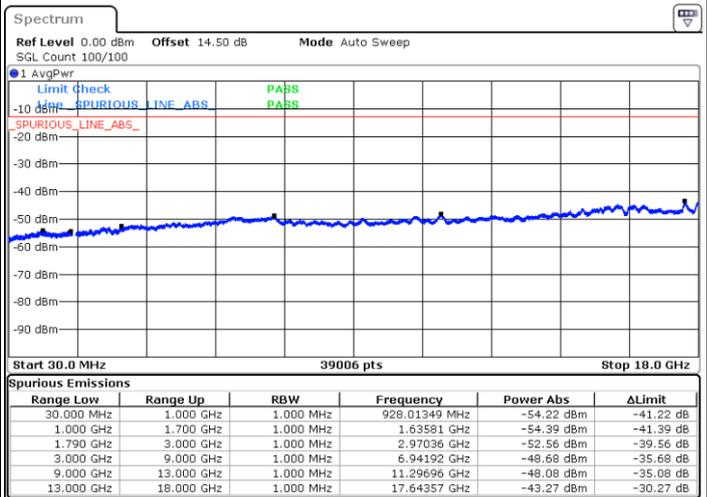
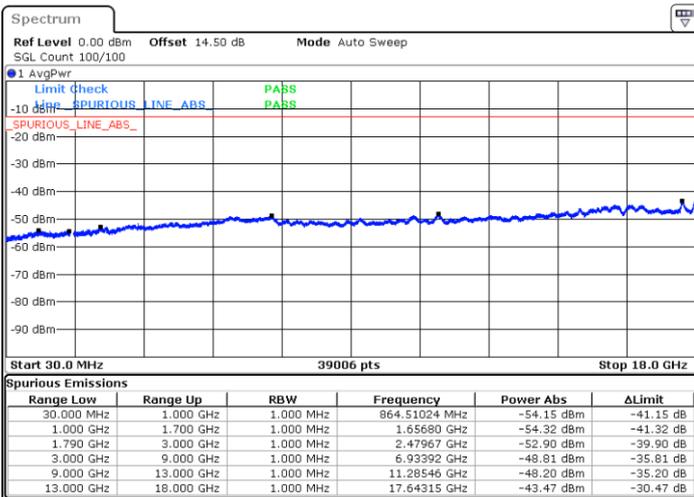


Date: 27.SEP.2021 00:53:15

Date: 27.SEP.2021 00:54:15

Middle Channel / QPSK

Middle Channel / 16QAM



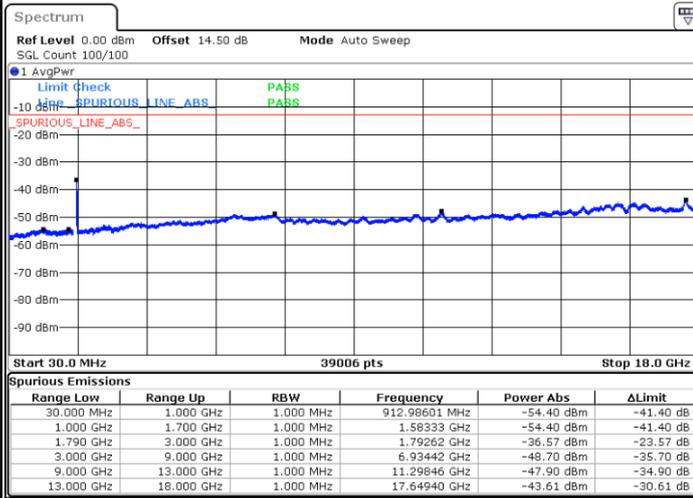
Date: 27.SEP.2021 00:56:00

Date: 27.SEP.2021 00:57:01



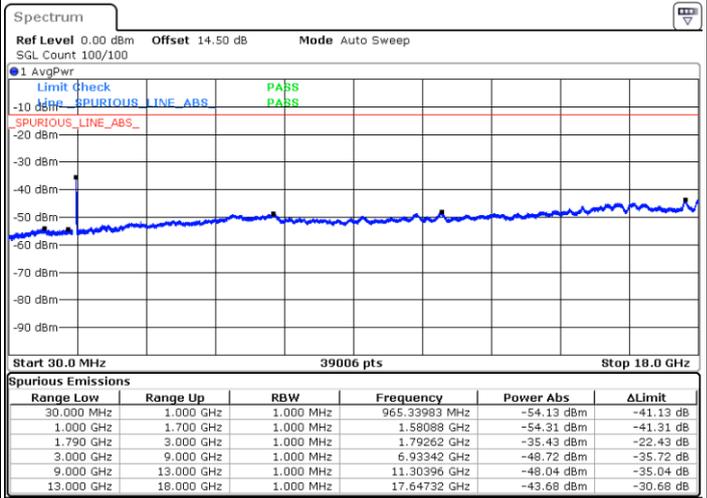
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 27.SEP.2021 01:02:23

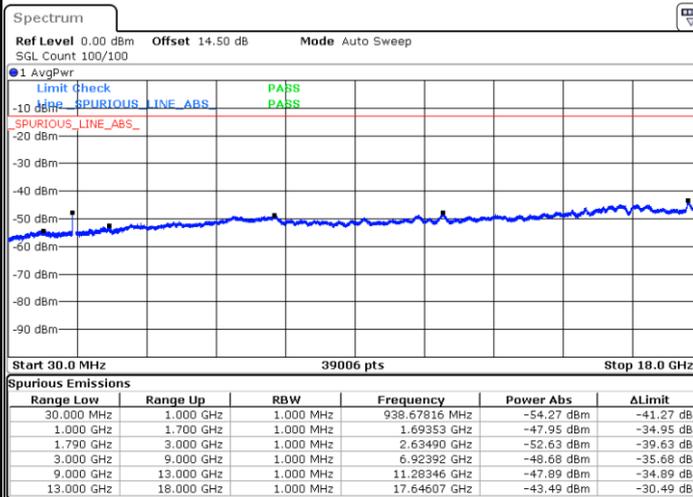
Highest Channel / 16QAM



Date: 27.SEP.2021 01:03:23

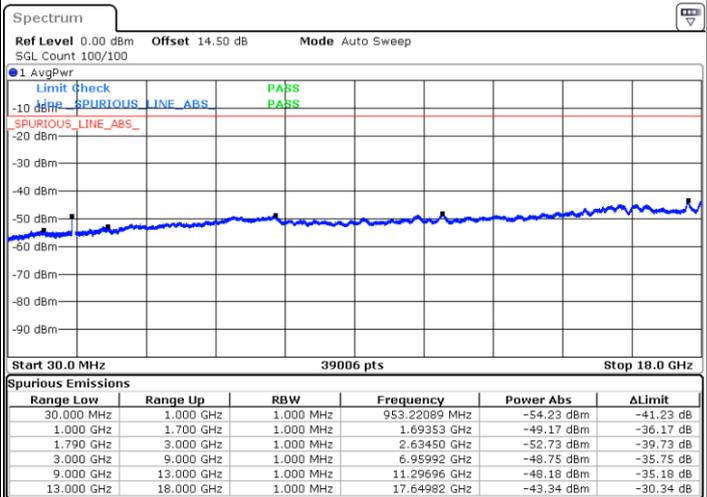
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 27.SEP.2021 01:08:45

Lowest Channel / 16QAM



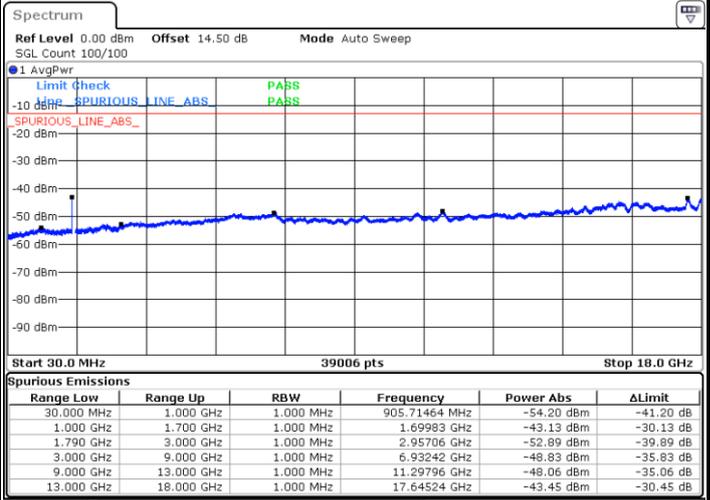
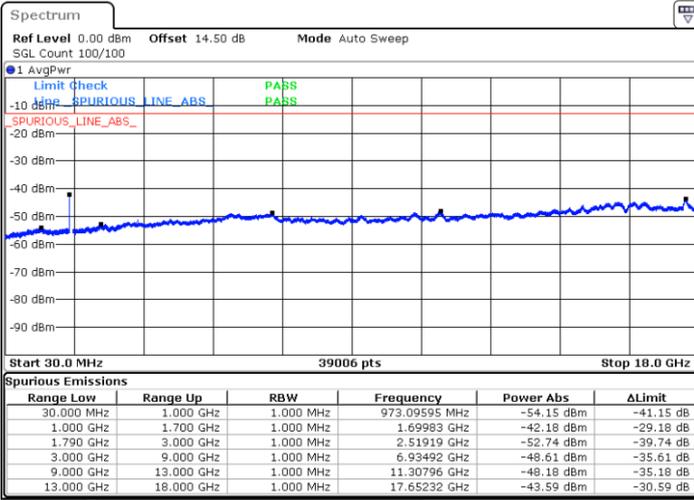
Date: 27.SEP.2021 01:09:45



LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

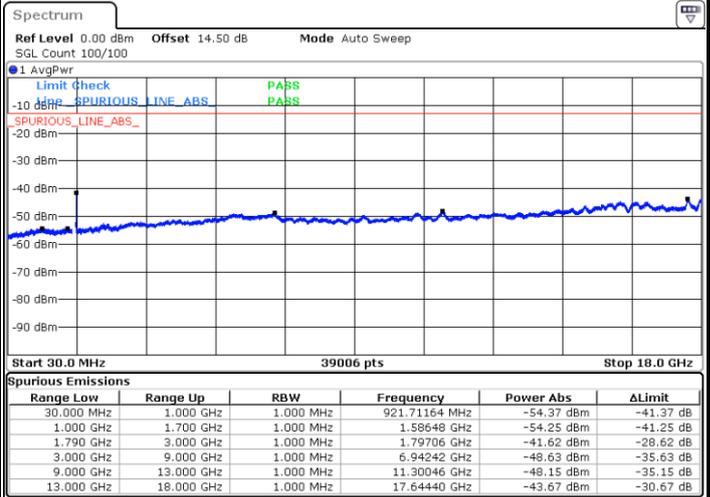
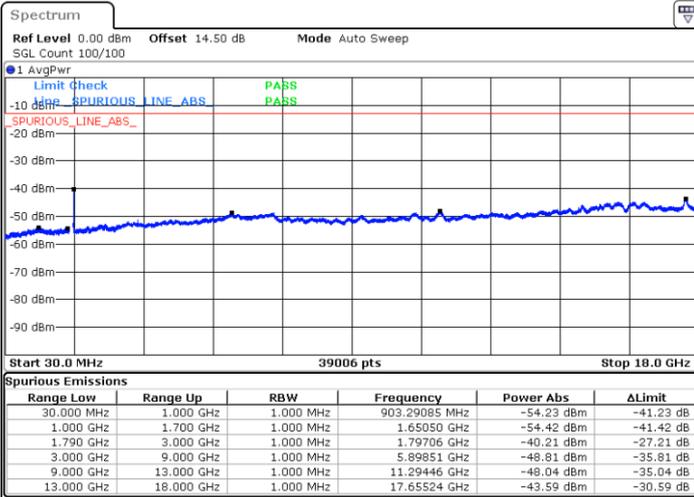


Date: 27.SEP.2021 01:11:31

Date: 27.SEP.2021 01:12:31

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.SEP.2021 01:17:53

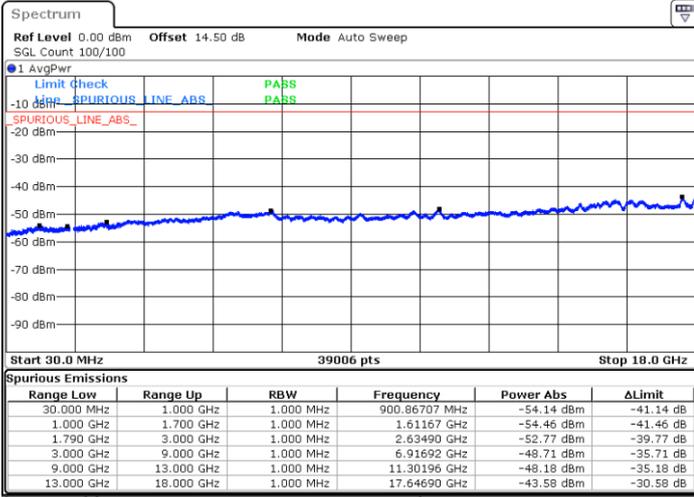
Date: 27.SEP.2021 01:18:53



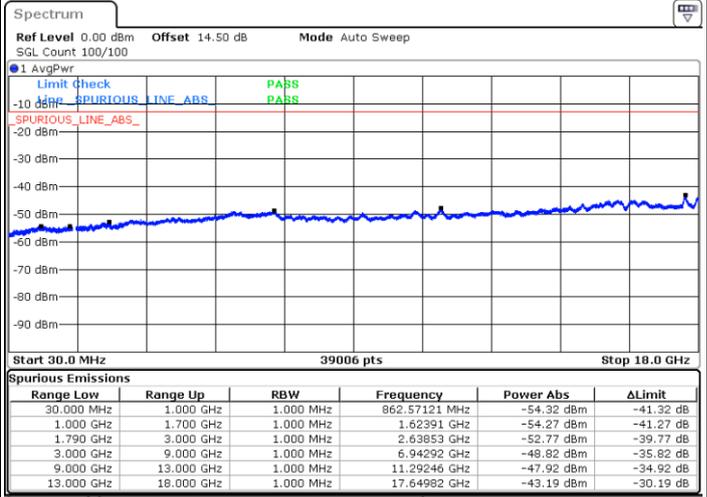
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

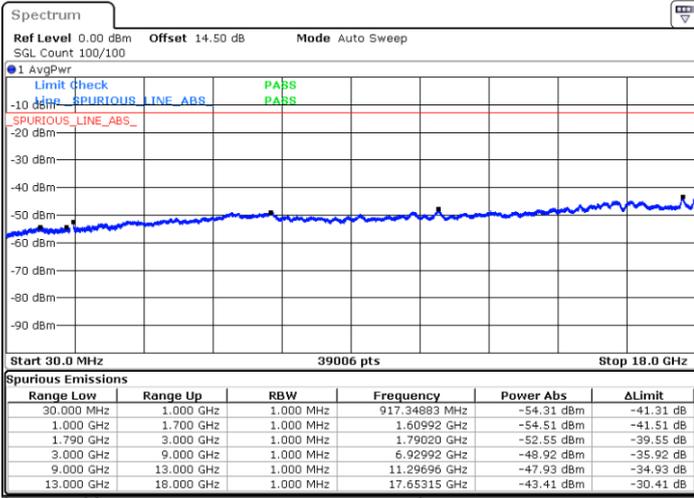


Date: 26.SEP.2021 23:03:52



Date: 26.SEP.2021 23:05:15

Highest Channel / 64QAM

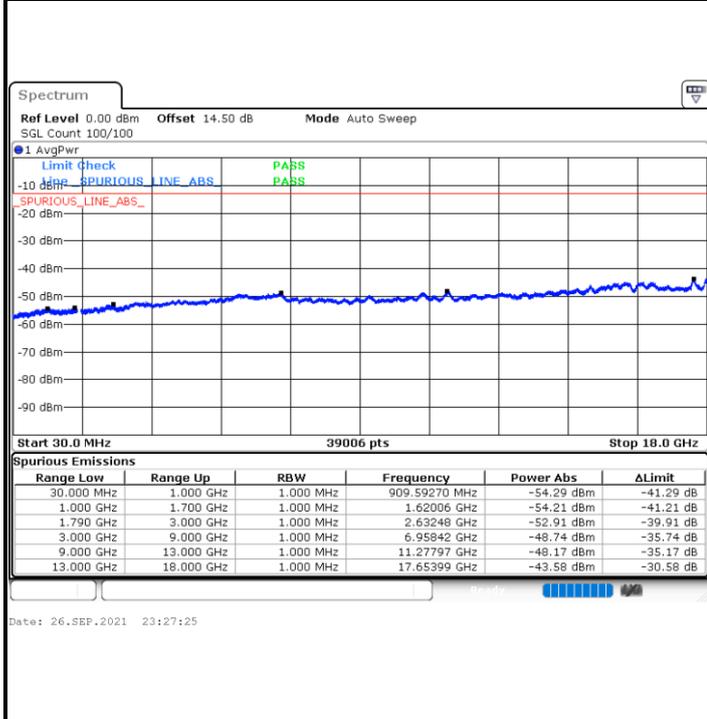


Date: 26.SEP.2021 23:08:42

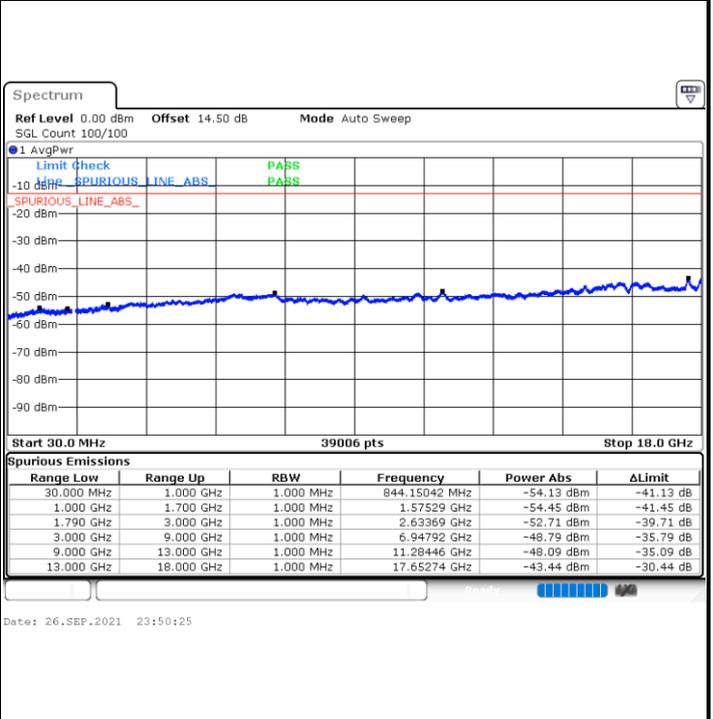


**LTE Band 66 / 3MHz**

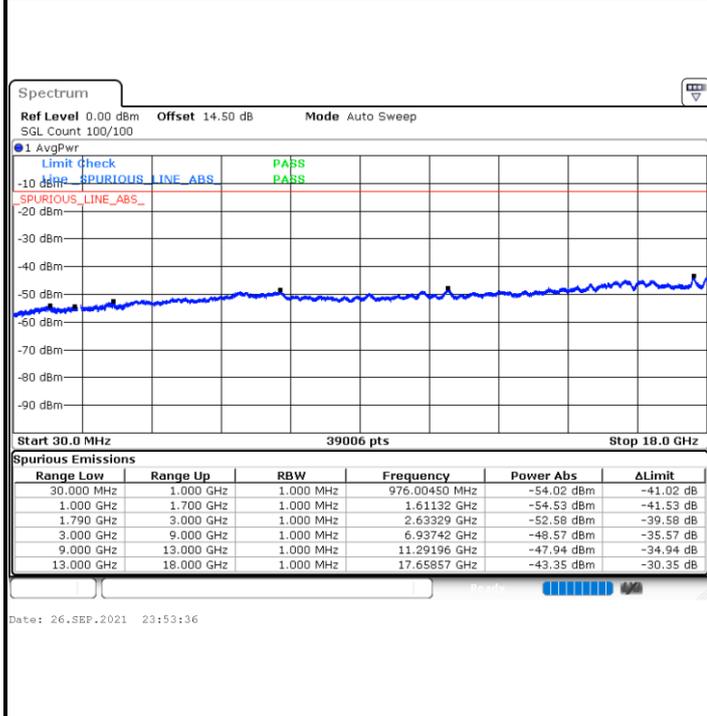
**Lowest Channel / 64QAM**



**Middle Channel / 64QAM**



**Highest Channel / 64QAM**

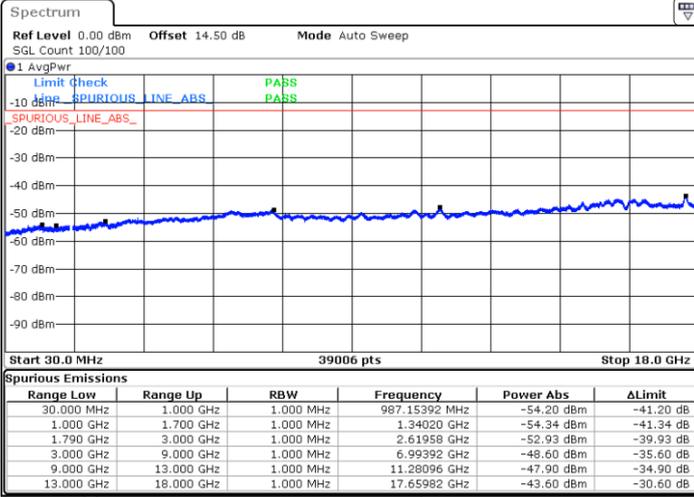




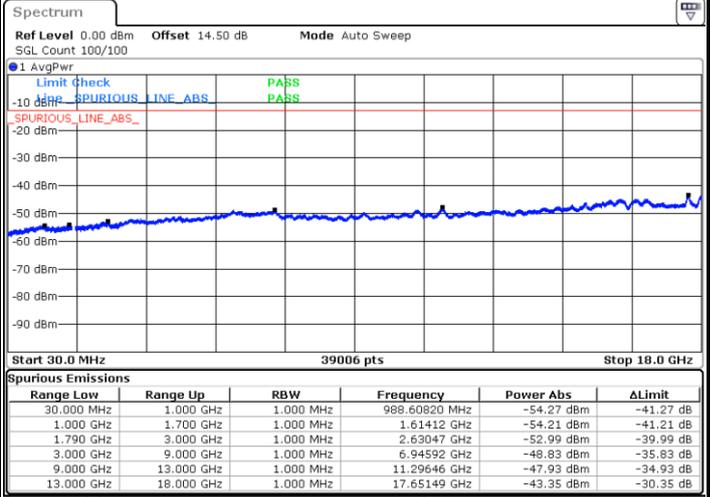
LTE Band 66 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

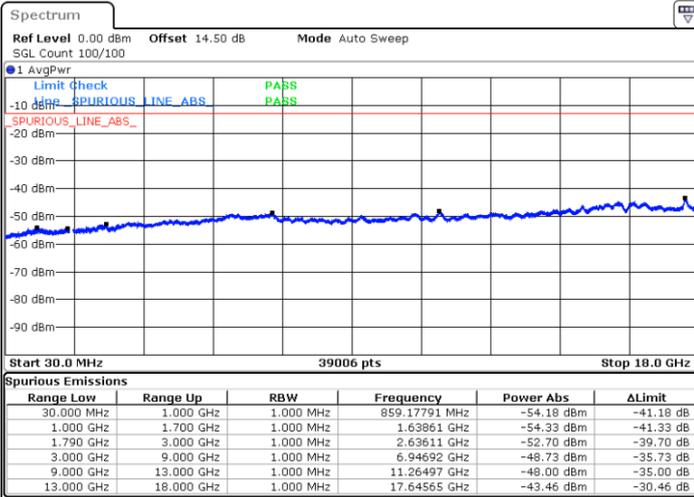


Date: 26.SEP.2021 23:56:47



Date: 26.SEP.2021 23:58:10

Highest Channel / 64QAM



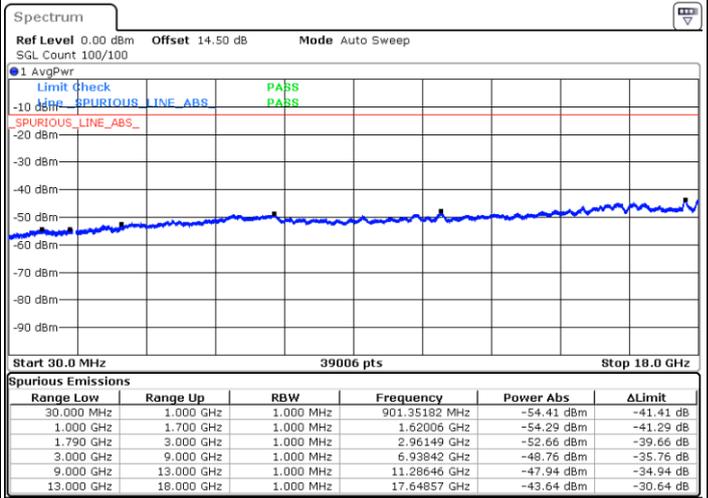
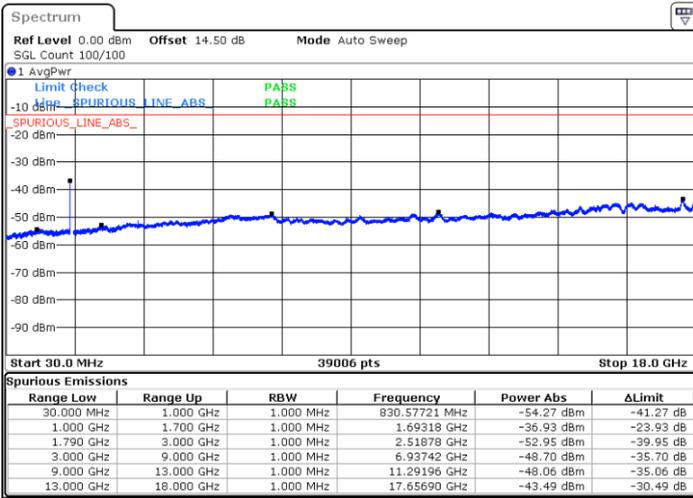
Date: 27.SEP.2021 00:01:21



LTE Band 66 / 10MHz

Lowest Channel / 64QAM

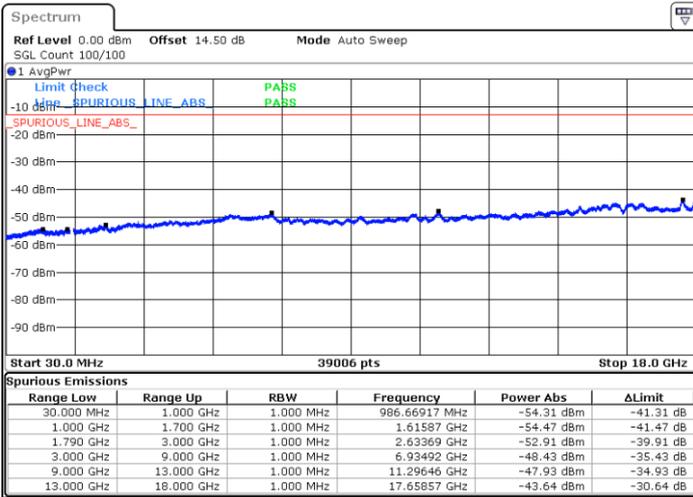
Middle Channel / 64QAM



Date: 27.SEP.2021 00:35:34

Date: 27.SEP.2021 00:36:57

Highest Channel / 64QAM



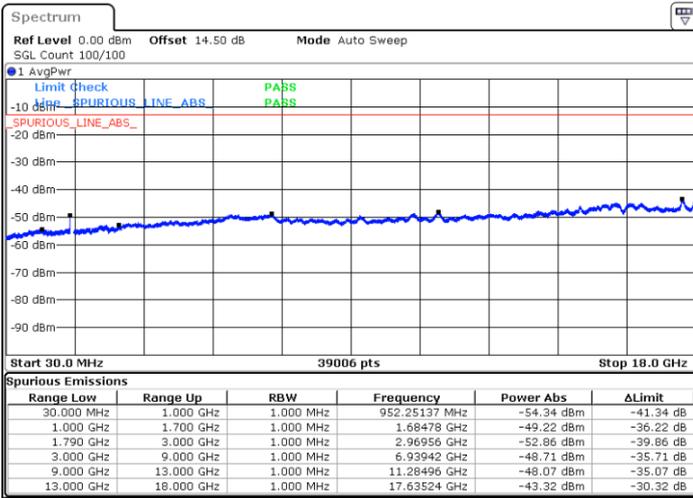
Date: 27.SEP.2021 00:40:08



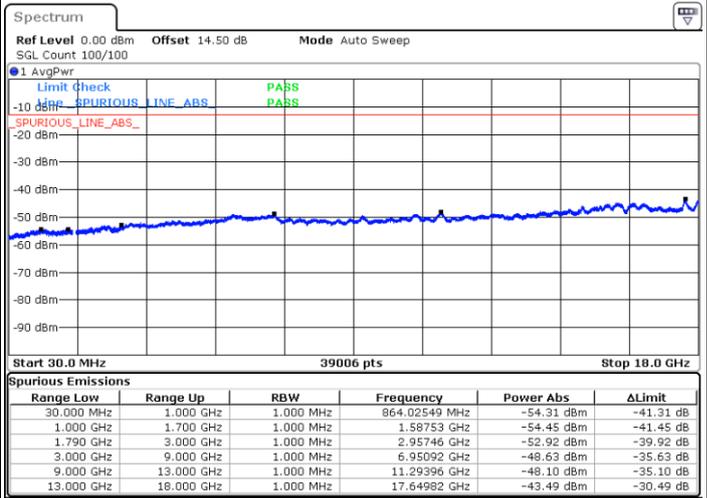
LTE Band 66 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

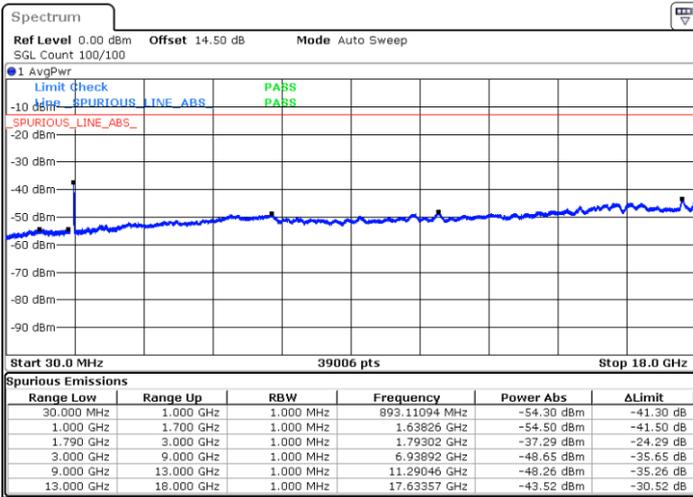


Date: 27.SEP.2021 00:43:19



Date: 27.SEP.2021 00:44:42

Highest Channel / 64QAM



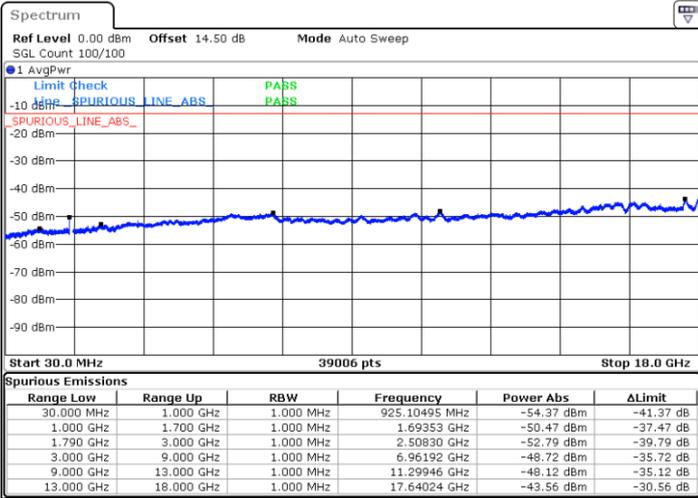
Date: 27.SEP.2021 00:47:53



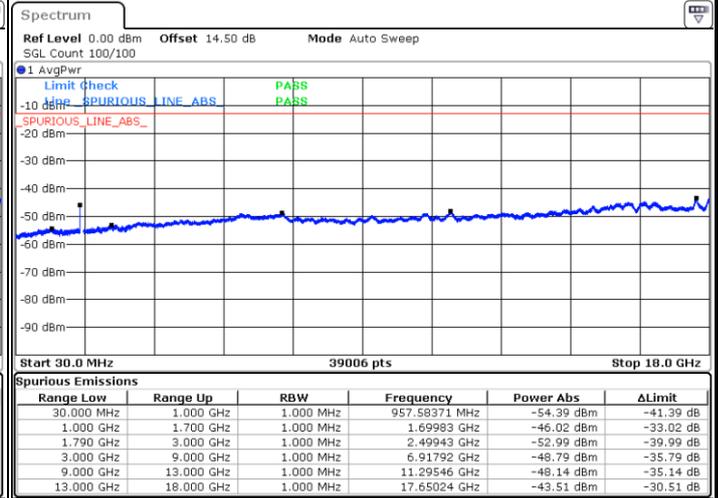
LTE Band 66 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

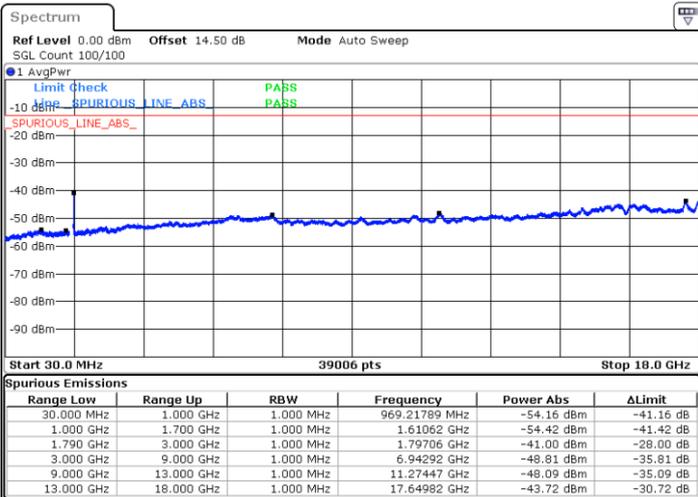


Date: 27.SEP.2021 01:22:05



Date: 27.SEP.2021 01:23:28

Highest Channel / 64QAM



Date: 27.SEP.2021 01:26:39



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0091	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0087	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0093	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =6.9 V. ; Maximum Voltage =8.9 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

LTE Band 2 / 20MHz / QPSK for Antenna 1								
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)
Middle	3741	-55.78	-13	-42.78	-68.04	2.64	14.90	H
	5613	-57.13	-13	-44.13	-68.99	2.94	14.80	H
	7488	-54.27	-13	-41.27	-64.04	3.39	13.16	H
	3741	-55.18	-13	-42.18	-67.44	2.64	14.90	V
	5613	-57.12	-13	-44.12	-68.98	2.94	14.80	V
	7488	-54.59	-13	-41.59	-64.36	3.39	13.16	V

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

LTE Band 4 / 20MHz / QPSK for Antenna 1								
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)
Middle	3447	-57.12	-13	-44.12	-67.86	2.604	13.34	H
	5172	-56.65	-13	-43.65	-67.16	3.011	13.52	H
	6900	-56.05	-13	-43.05	-66.25	3.271	13.47	H
	3447	-58.31	-13	-45.31	-69.05	2.604	13.34	V
	5172	-54.86	-13	-41.86	-65.37	3.011	13.52	V
	6900	-56.02	-13	-43.02	-66.22	3.271	13.47	V

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

LTE Band 12 / 10MHz / QPSK for Antenna 2								
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)
Middle	1406	-69.14	-13	-56.14	-76.11	1.58	10.70	H
	2110	-63.84	-13	-50.84	-72.09	2.102	12.50	H
	2812	-61.33	-13	-48.33	-70.22	2.856	13.90	H
	1406	-68.61	-13	-55.61	-75.58	1.58	10.70	V
	2110	-62.37	-13	-49.37	-70.62	2.10	12.50	V
	2812	-60.78	-13	-47.78	-69.67	2.86	13.90	V

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



LTE Band 13 / 5MHz / QPSK for Antenna 2								
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)
Middle	1560	-66.98	-42.15	-24.83	-69.61	1.09	5.87	H
	2340	-62.84	-13	-49.84	-65.24	1.37	5.92	H
	3120	-61.74	-13	-48.74	-65.63	1.64	7.68	H
	1560	-67.24	-42.15	-25.09	-69.87	1.09	5.87	V
	2340	-61.62	-13	-48.62	-64.02	1.37	5.92	V
	3120	-61.49	-13	-48.49	-65.38	1.64	7.68	V

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

LTE Band 13 / 10MHz / QPSK for Antenna 2								
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)
Middle	1556	-68.02	-13	-55.02	-70.65	1.09	5.87	H
	2332	-63.23	-13	-50.23	-65.63	1.37	5.92	H
	3108	-61.14	-13	-48.14	-65.03	1.64	7.68	H
	1556	-67.45	-13	-54.45	-70.08	1.09	5.87	V
	2332	-62.02	-13	-49.02	-64.42	1.37	5.92	V
	3108	-60.87	-13	-47.87	-64.76	1.64	7.68	V

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

LTE Band 26 / 15MHz / QPSK for Antenna 0								
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)
Middle	1660	-66.72	-13	-53.72	-73.69	1.58	10.70	H
	2490	-62.23	-13	-49.23	-70.48	2.102	12.50	H
	3318	-61.65	-13	-48.65	-70.54	2.856	13.90	H
	1660	-65.55	-13	-52.55	-72.52	1.58	10.70	V
	2490	-59.79	-13	-46.79	-68.04	2.10	12.50	V
	3318	-61.70	-13	-48.70	-70.59	2.86	13.90	V

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



LTE Band 66 / 20MHz / QPSK for Antenna 1								
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)
Middle	3741	-55.78	-13	-42.78	-66.52	2.604	13.34	H
	5613	-57.13	-13	-44.13	-67.64	3.011	13.52	H
	7488	-54.27	-13	-41.27	-64.47	3.271	13.47	H
	3741	-55.18	-13	-42.18	-65.92	2.604	13.34	V
	5613	-57.12	-13	-44.12	-67.63	3.011	13.52	V
	7488	-54.59	-13	-41.59	-64.79	3.271	13.47	V

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