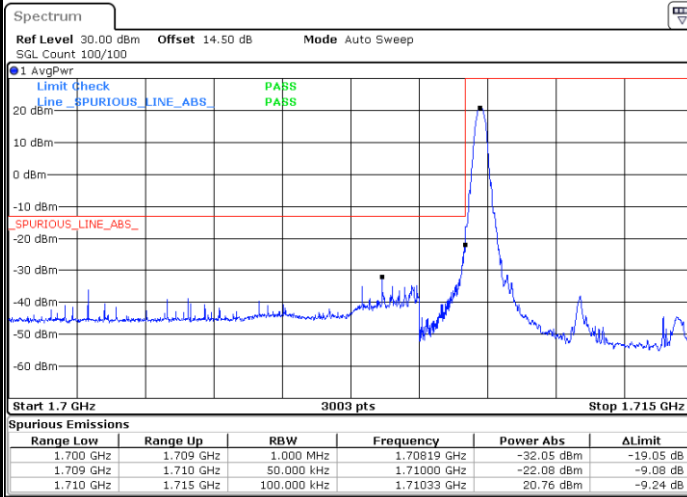




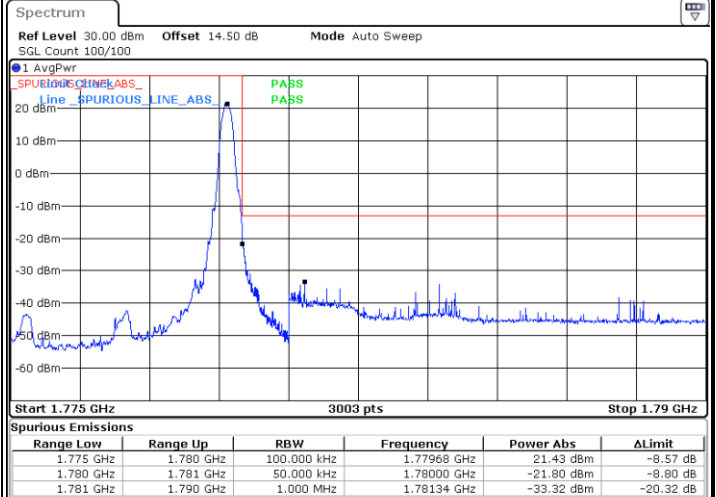
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



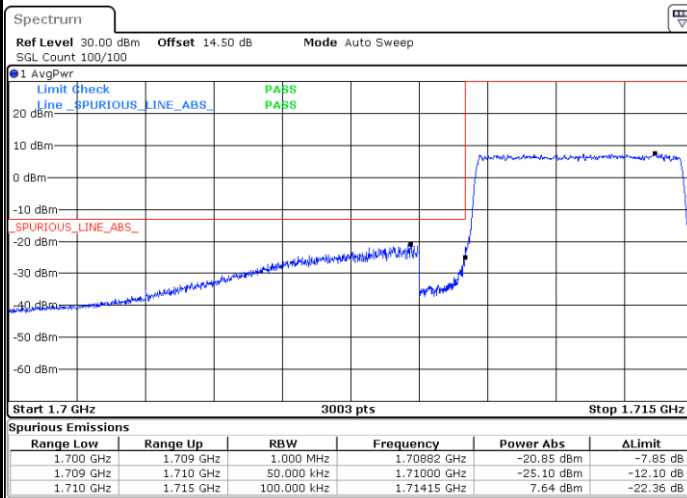
Date: 15.NOV.2024 17:24:22

Highest Band Edge / 1 RB



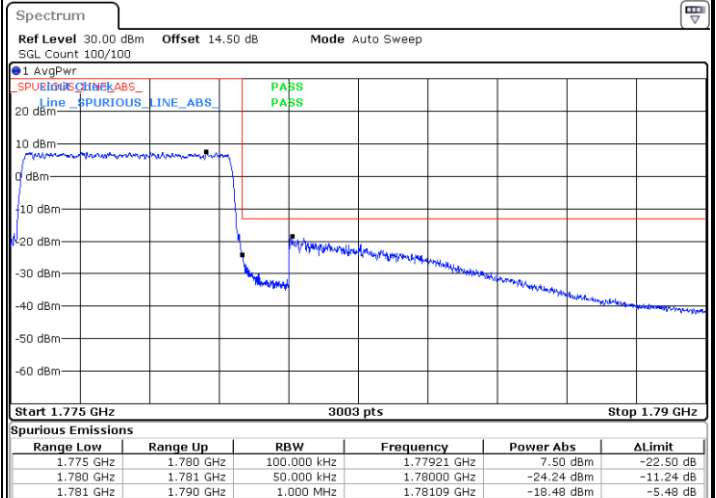
Date: 15.NOV.2024 17:32:08

Lowest Band Edge / Full RB



Date: 15.NOV.2024 17:27:34

Highest Band Edge / Full RB

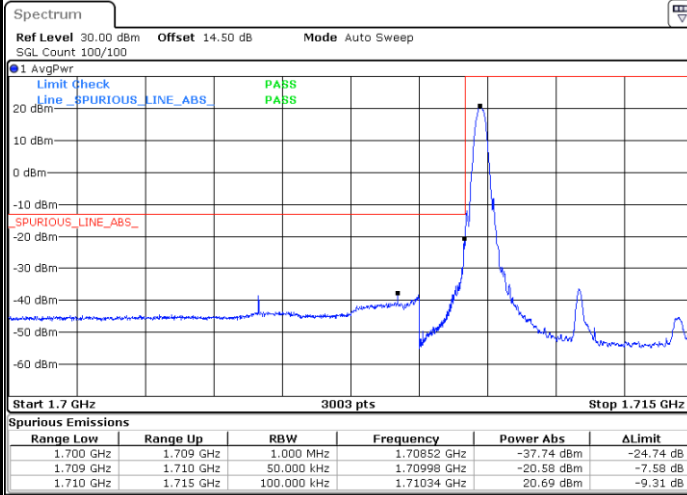


Date: 15.NOV.2024 17:34:26



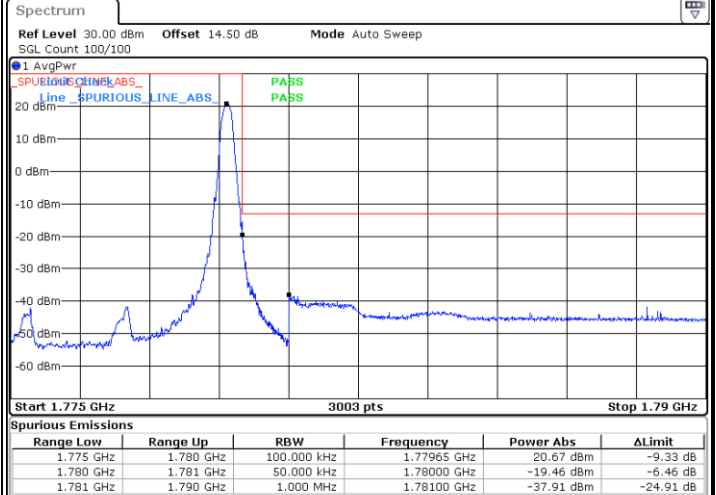
LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



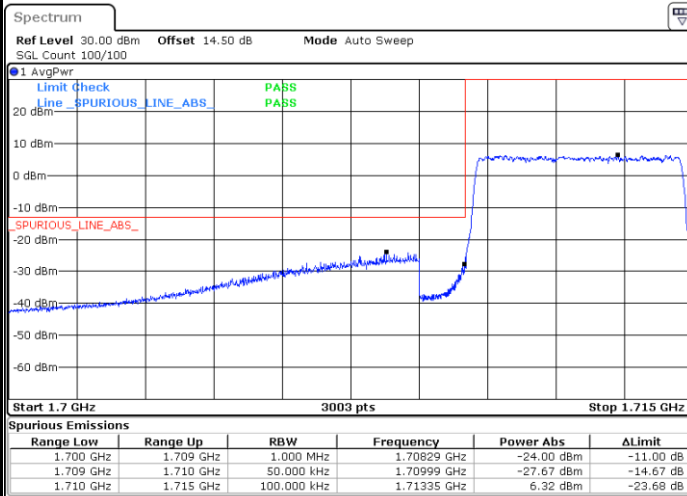
Date: 15.NOV.2024 17:25:08

Highest Band Edge / 1 RB



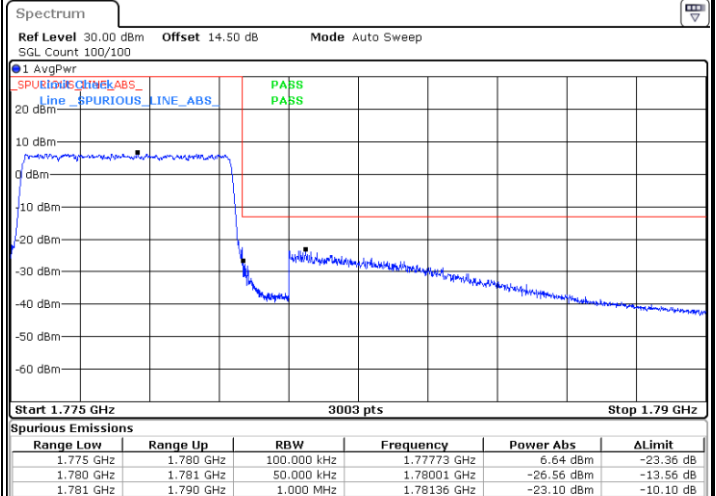
Date: 15.NOV.2024 17:32:53

Lowest Band Edge / Full RB



Date: 15.NOV.2024 17:28:20

Highest Band Edge / Full RB

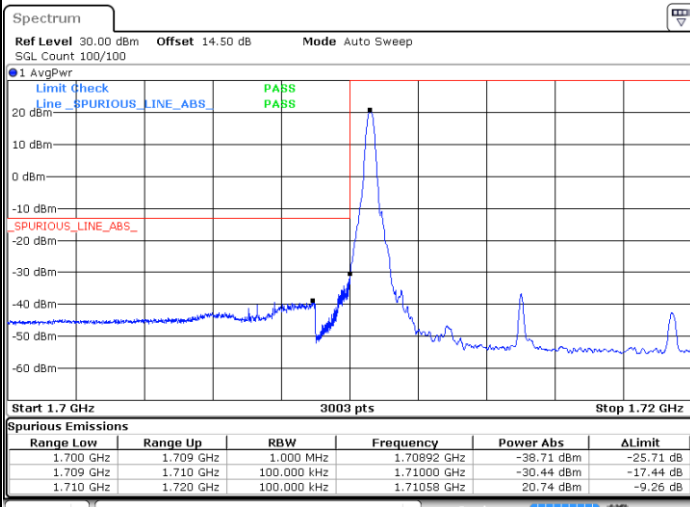


Date: 15.NOV.2024 17:35:11



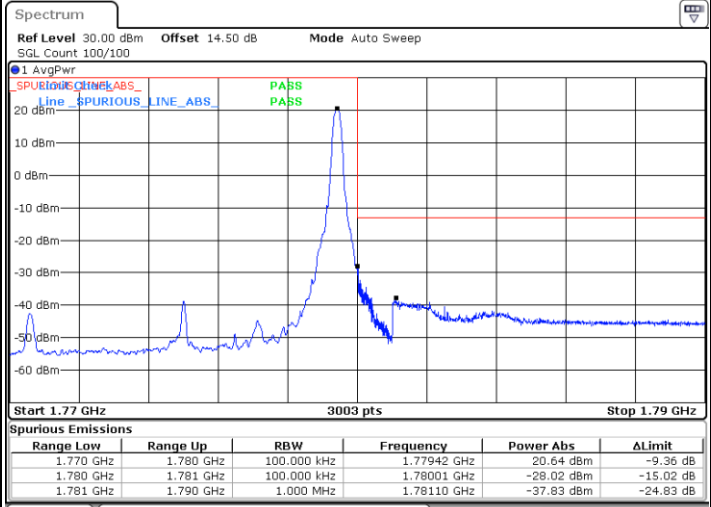
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1RB



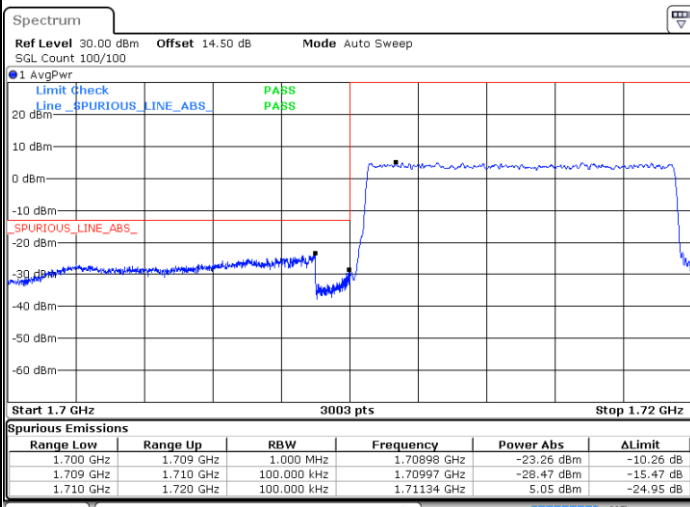
Date: 15.NOV.2024 17:37:36

Highest Band Edge / 1RB



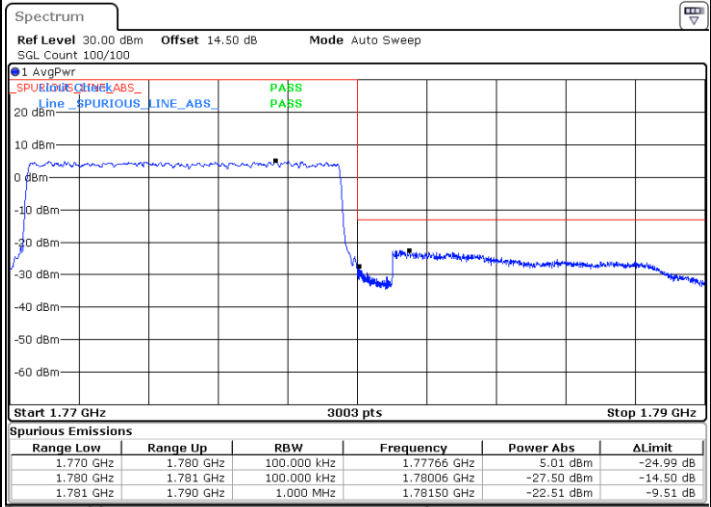
Date: 15.NOV.2024 17:45:21

Lowest Band Edge / Full RB



Date: 15.NOV.2024 17:39:53

Highest Band Edge / Full RB

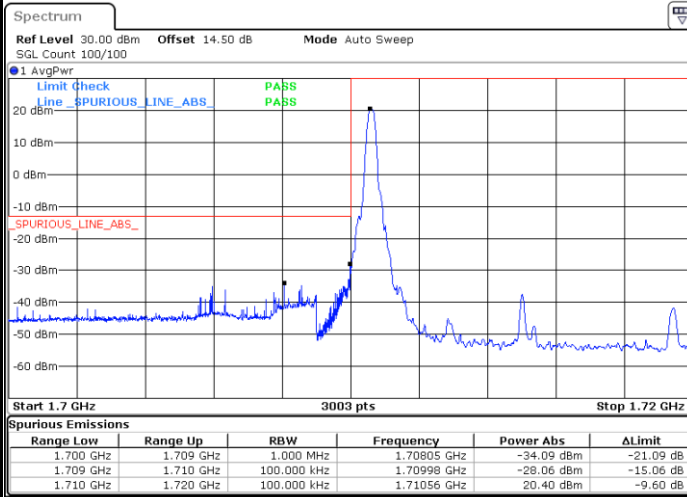


Date: 15.NOV.2024 17:47:39



LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



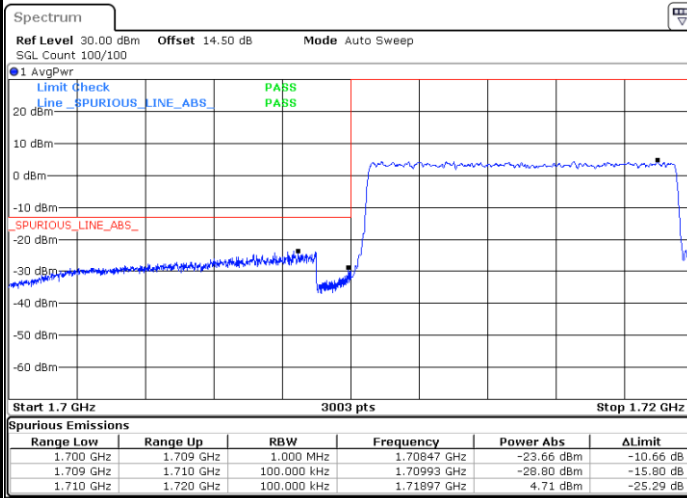
Date: 15.NOV.2024 17:38:21

Highest Band Edge / 1 RB



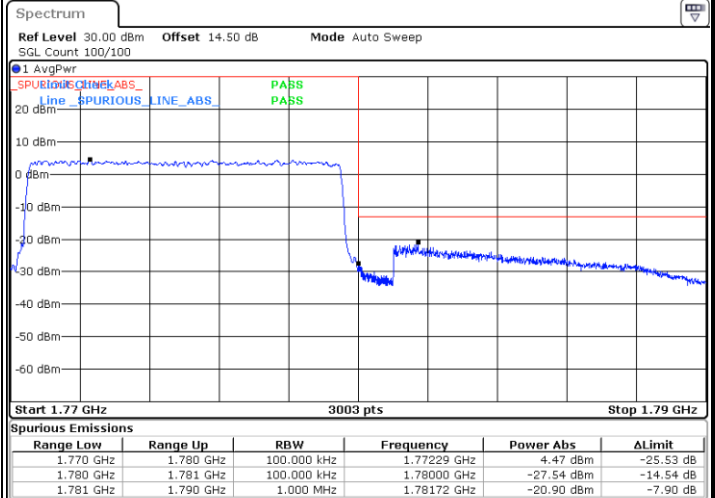
Date: 15.NOV.2024 17:46:07

Lowest Band Edge / Full RB



Date: 15.NOV.2024 17:40:39

Highest Band Edge / Full RB

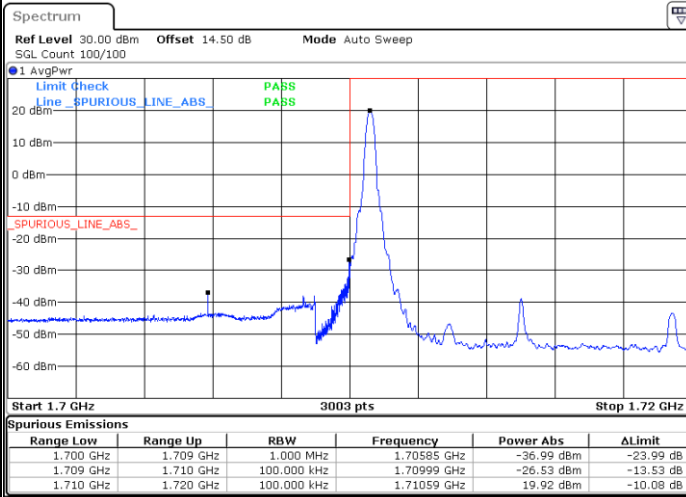


Date: 15.NOV.2024 17:48:25



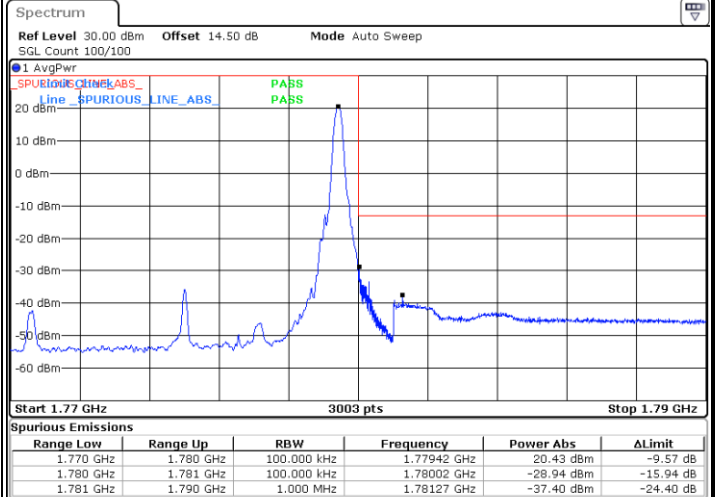
LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



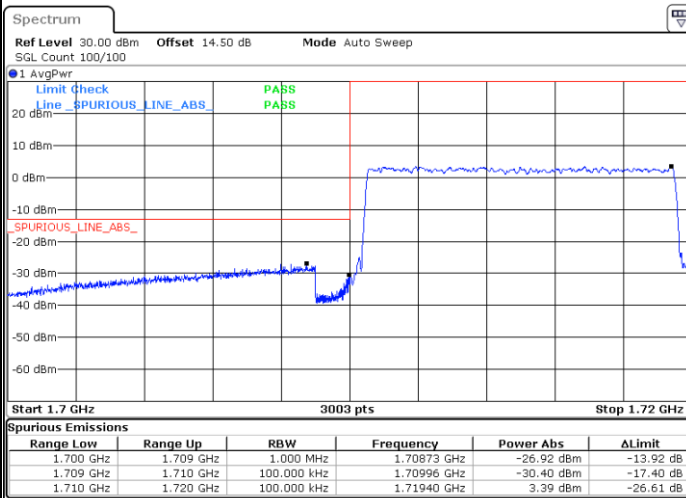
Date: 15.NOV.2024 17:39:07

Highest Band Edge / 1 RB



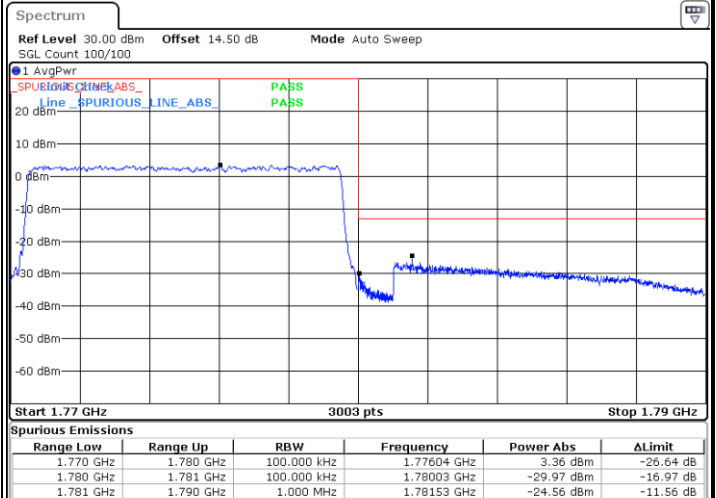
Date: 15.NOV.2024 17:46:53

Lowest Band Edge / Full RB



Date: 15.NOV.2024 17:41:25

Highest Band Edge / Full RB

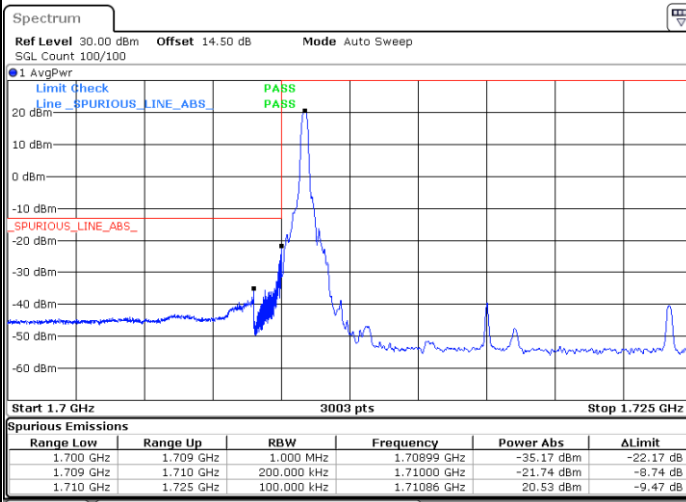


Date: 15.NOV.2024 17:49:11



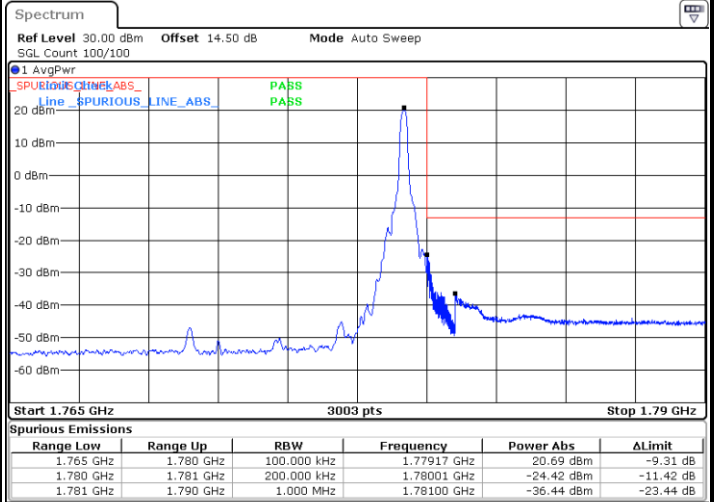
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1RB



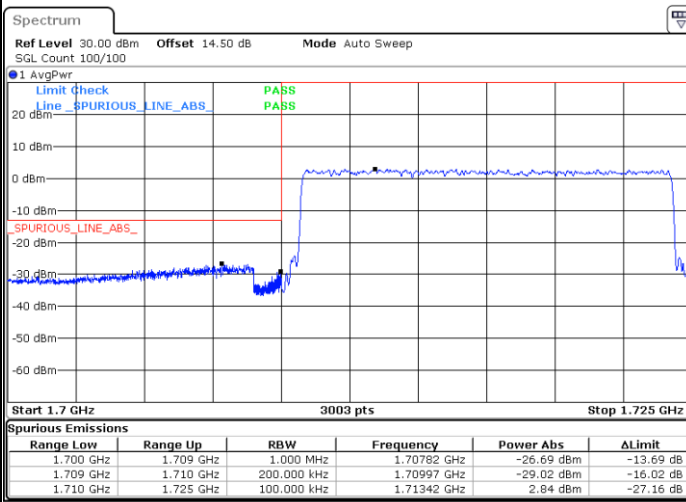
Date: 15.NOV.2024 17:51:35

Highest Band Edge / 1RB



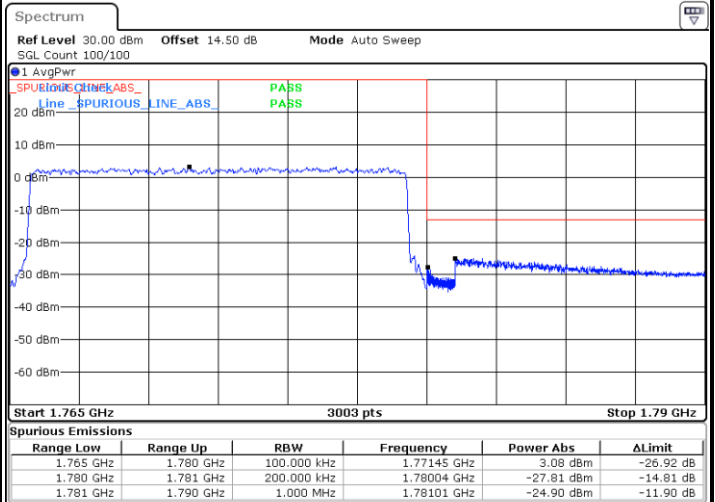
Date: 15.NOV.2024 17:59:21

Lowest Band Edge / Full RB



Date: 15.NOV.2024 17:53:52

Highest Band Edge / Full RB

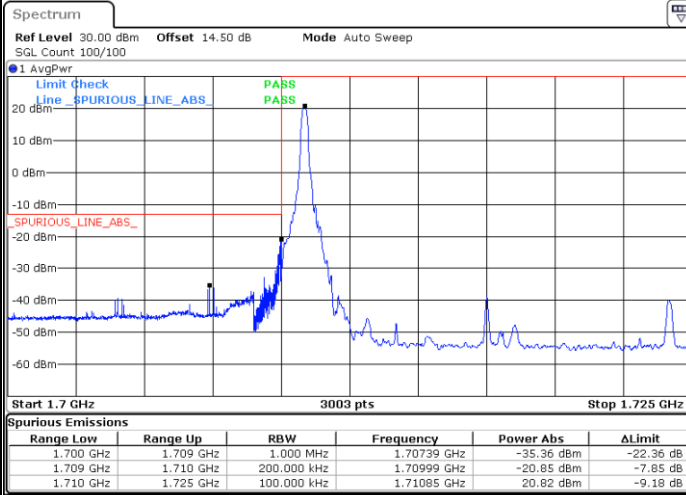


Date: 15.NOV.2024 18:01:38



LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



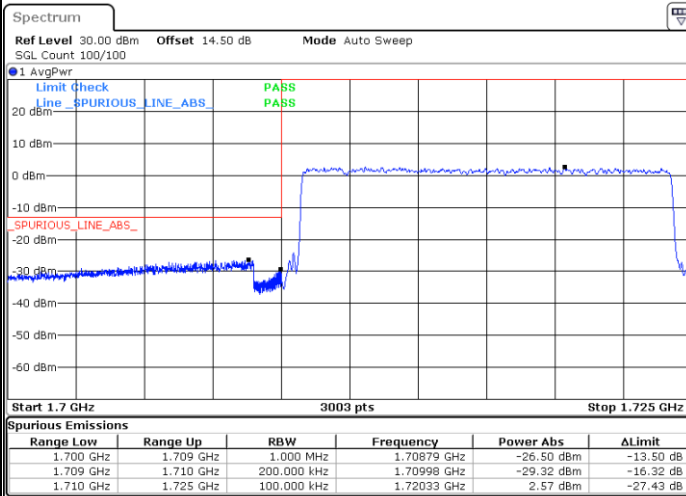
Date: 15.NOV.2024 17:52:21

Highest Band Edge / 1 RB



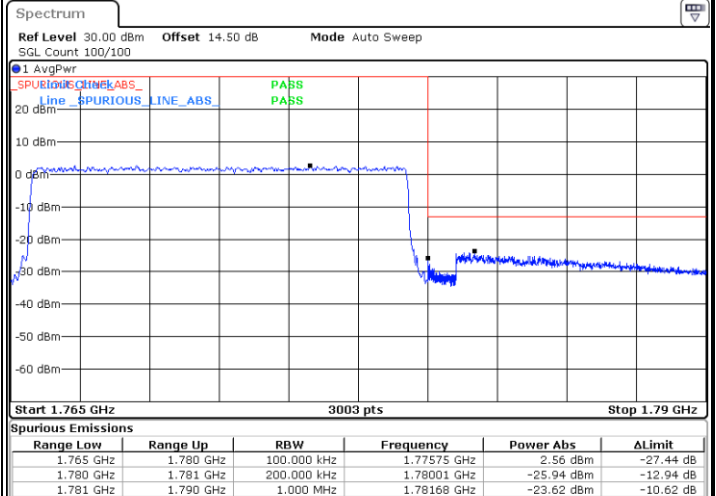
Date: 15.NOV.2024 18:00:07

Lowest Band Edge / Full RB



Date: 15.NOV.2024 17:54:38

Highest Band Edge / Full RB

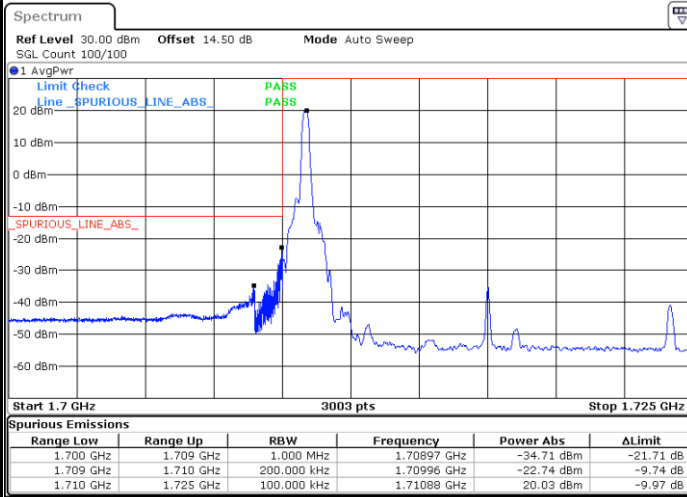


Date: 15.NOV.2024 18:02:24



LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



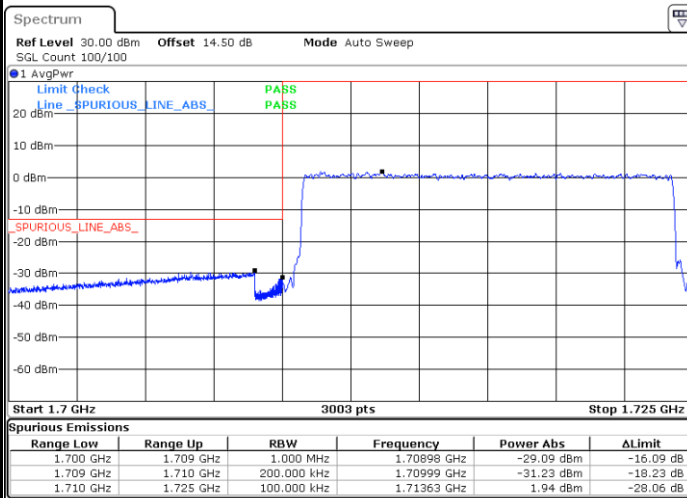
Date: 15.NOV.2024 17:53:06

Highest Band Edge / 1 RB



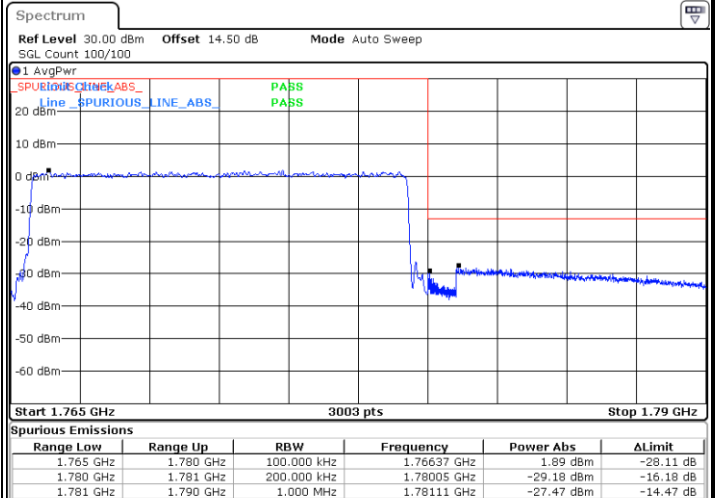
Date: 15.NOV.2024 18:00:52

Lowest Band Edge / Full RB



Date: 15.NOV.2024 17:55:24

Highest Band Edge / Full RB

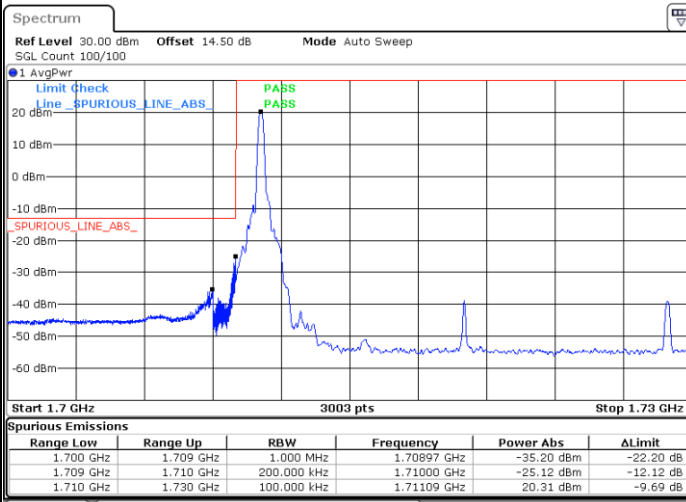


Date: 15.NOV.2024 18:03:10



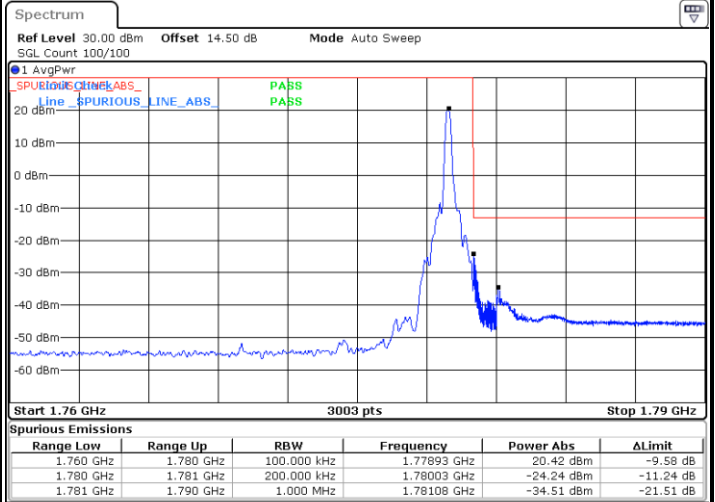
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1RB



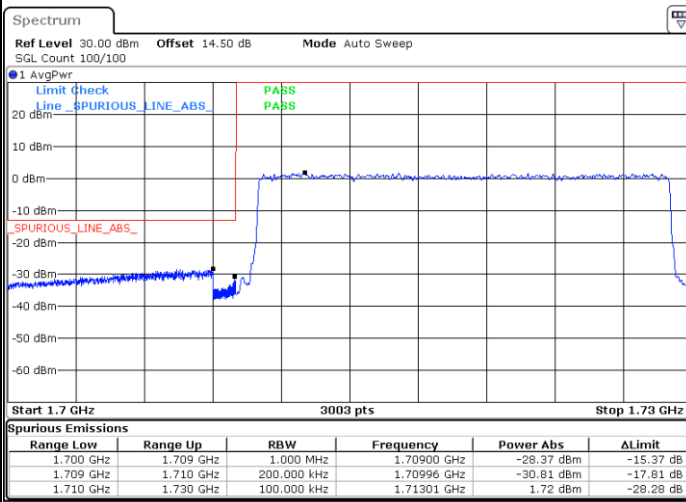
Date: 15.NOV.2024 18:05:34

Highest Band Edge / 1RB



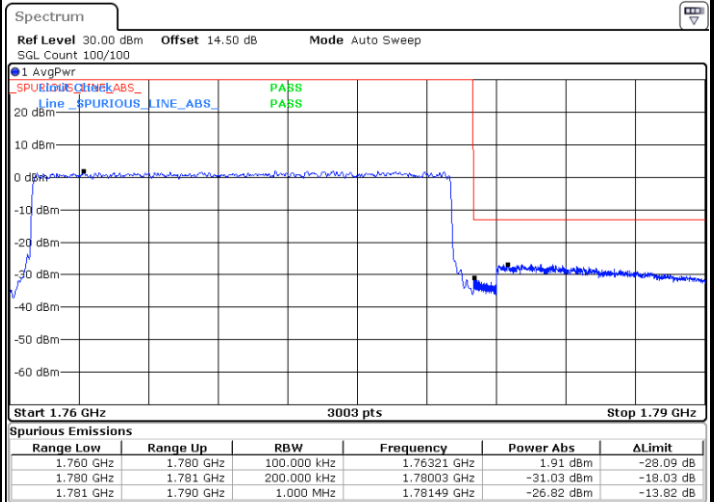
Date: 15.NOV.2024 18:13:20

Lowest Band Edge / Full RB



Date: 15.NOV.2024 18:07:52

Highest Band Edge / Full RB

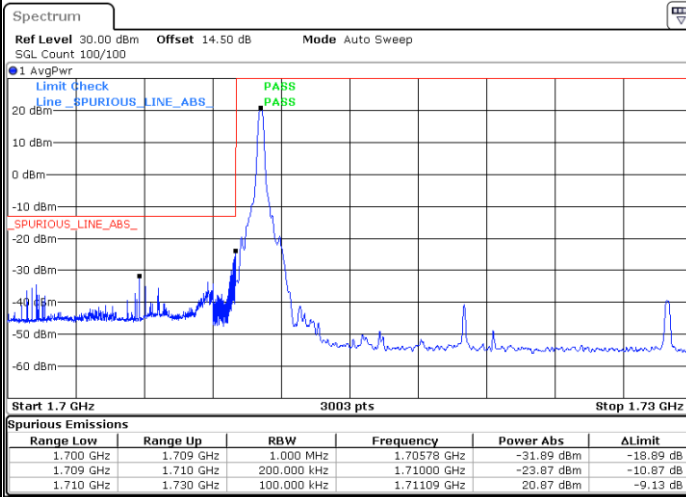


Date: 15.NOV.2024 18:15:38



LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



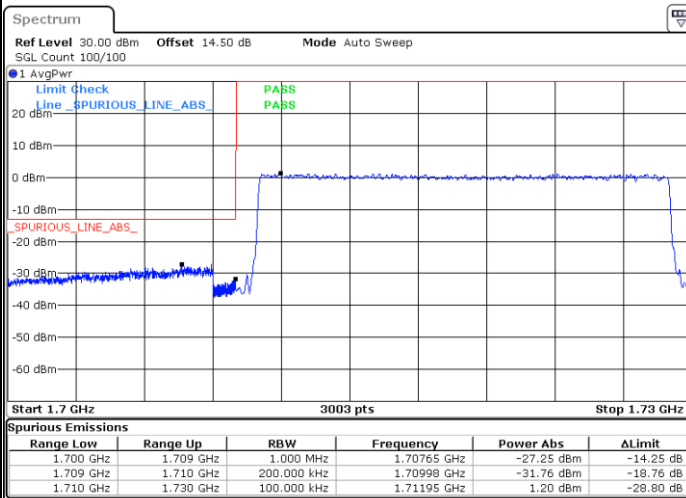
Date: 15.NOV.2024 18:06:20

Highest Band Edge / 1 RB



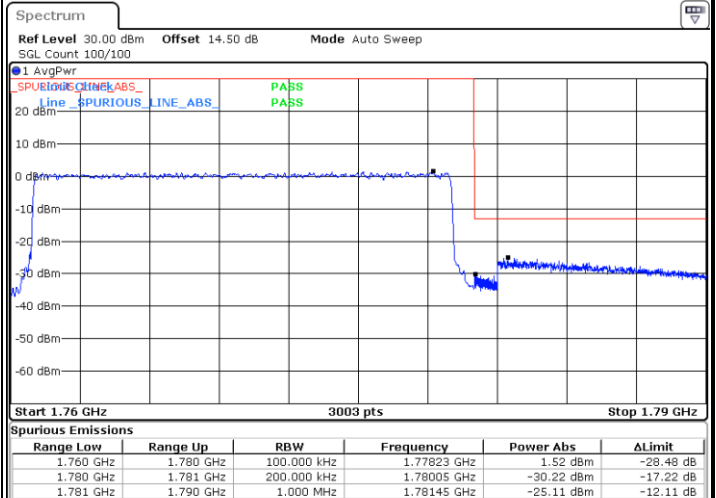
Date: 15.NOV.2024 18:14:06

Lowest Band Edge / Full RB



Date: 15.NOV.2024 18:08:38

Highest Band Edge / Full RB

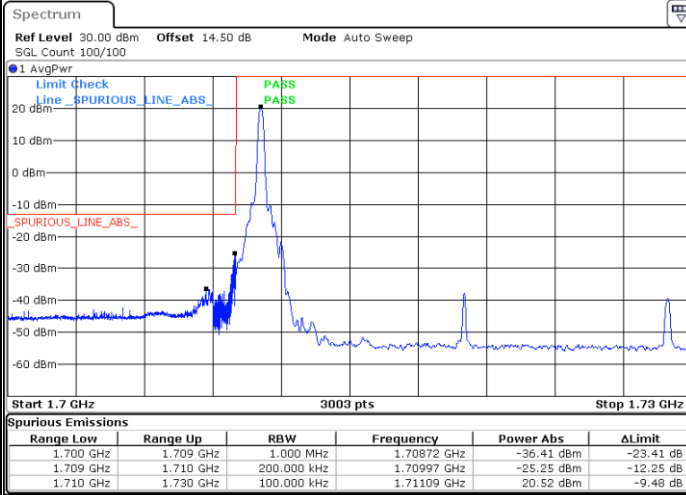


Date: 15.NOV.2024 18:16:24



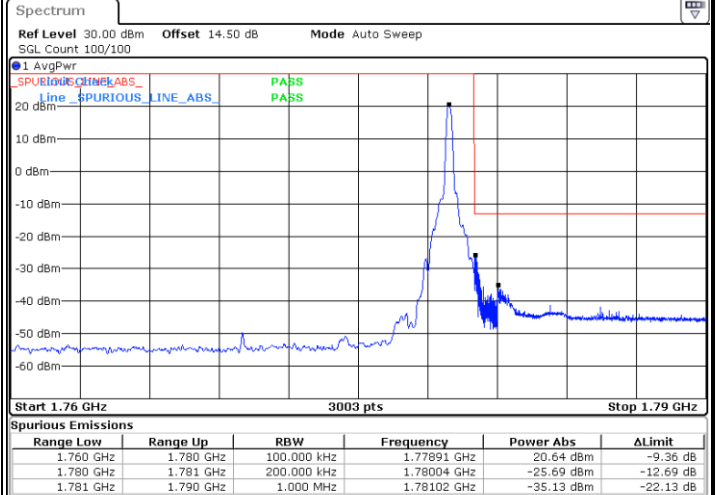
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



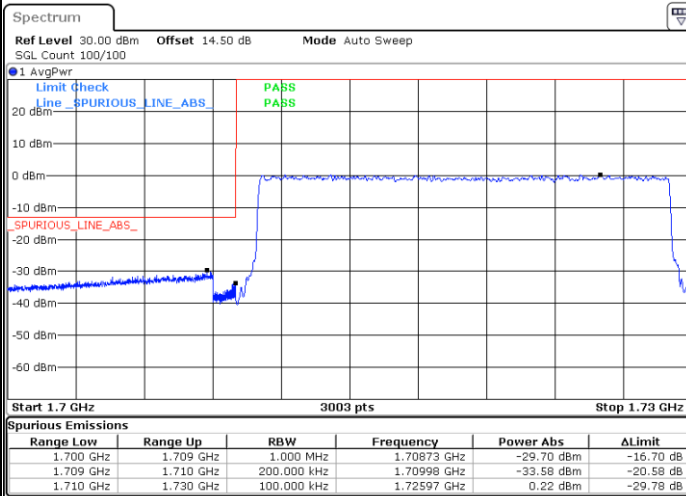
Date: 15.NOV.2024 18:07:06

Highest Band Edge / 1 RB



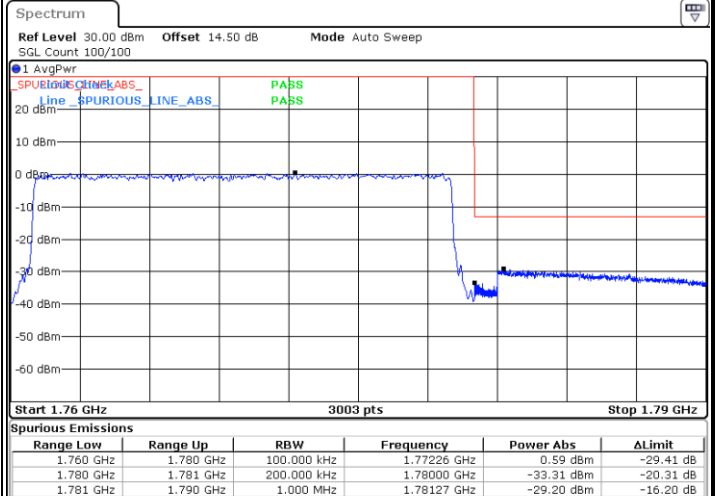
Date: 15.NOV.2024 18:14:52

Lowest Band Edge / Full RB



Date: 15.NOV.2024 18:09:24

Highest Band Edge / Full RB



Date: 15.NOV.2024 18:17:10

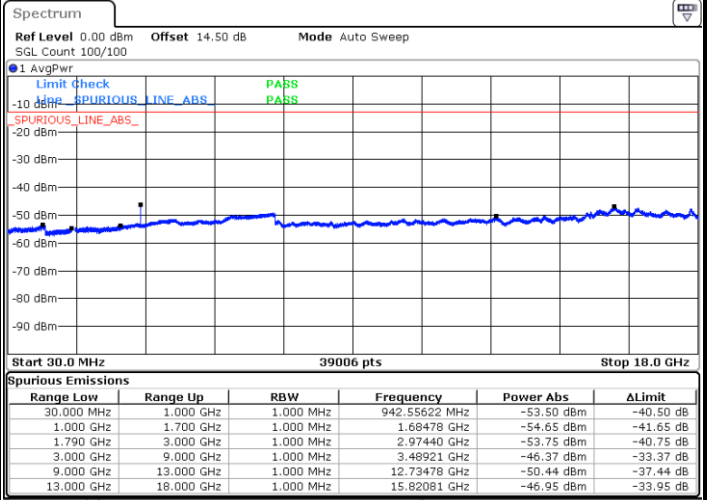
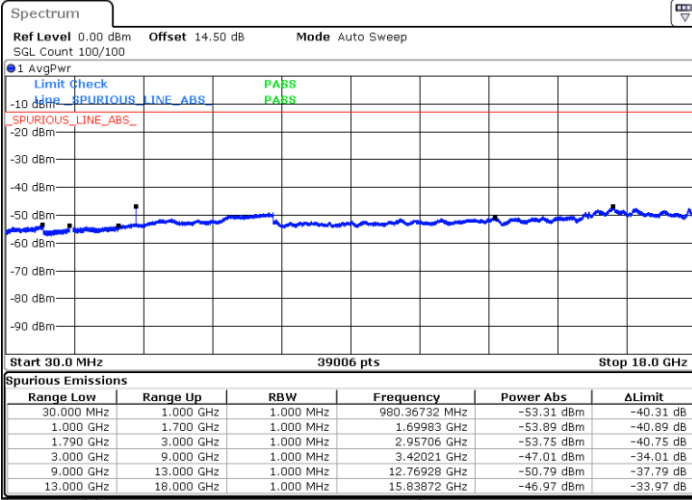


# Conducted Spurious Emission

## LTE Band 66 / 1.4MHz

### Lowest Channel / QPSK

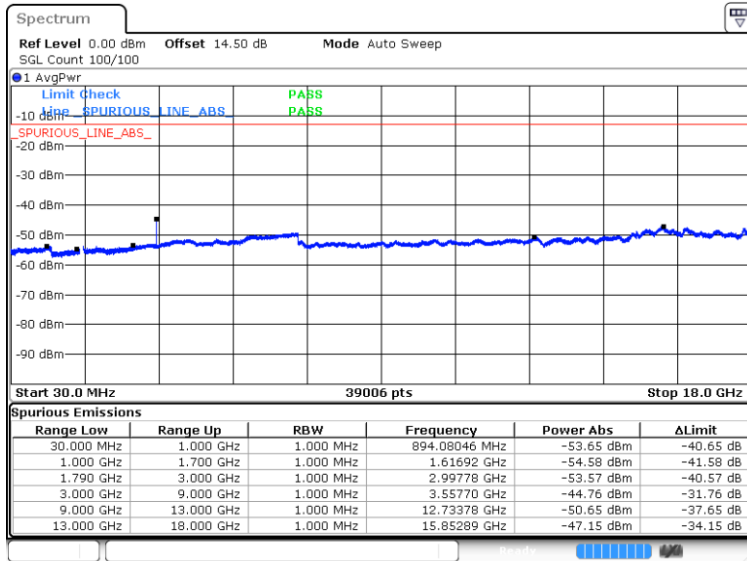
### Middle Channel / QPSK



Date: 15.NOV.2024 16:58:05

Date: 15.NOV.2024 17:01:18

### Highest Channel / QPSK

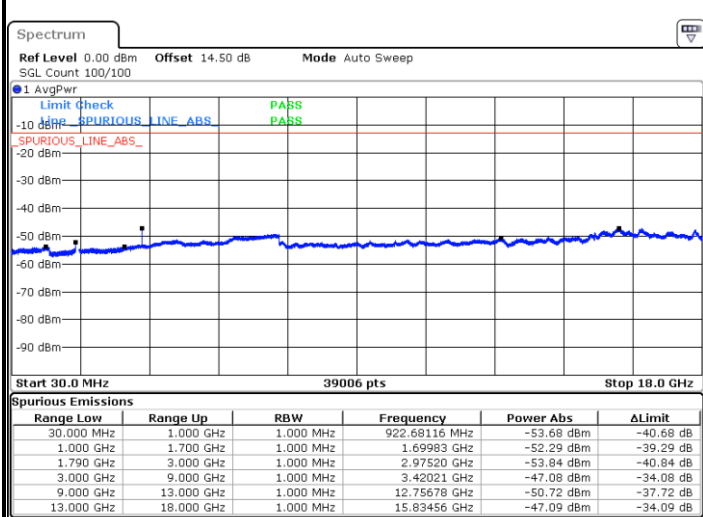


Date: 15.NOV.2024 17:05:51



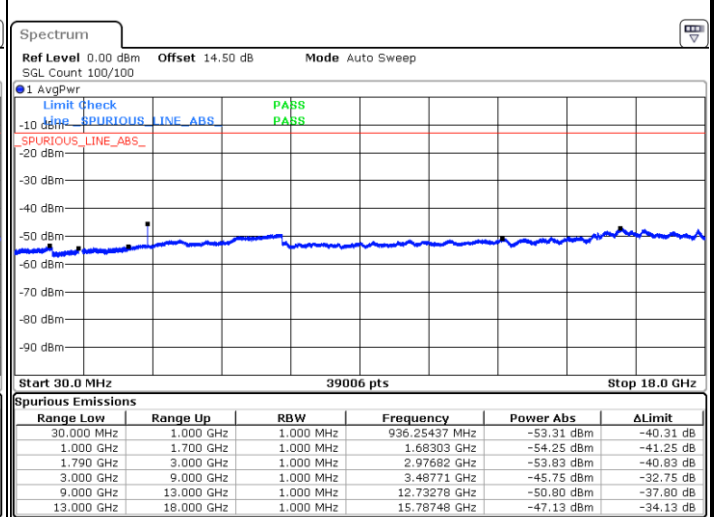
**LTE Band 66 / 3MHz**

**Lowest Channel / QPSK**



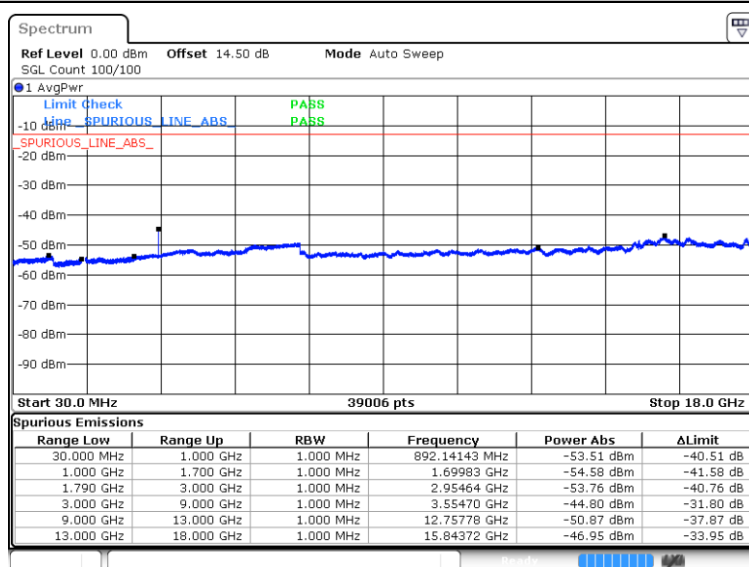
Date: 15.NOV.2024 17:12:04

**Middle Channel / QPSK**



Date: 15.NOV.2024 17:15:17

**Highest Channel / QPSK**



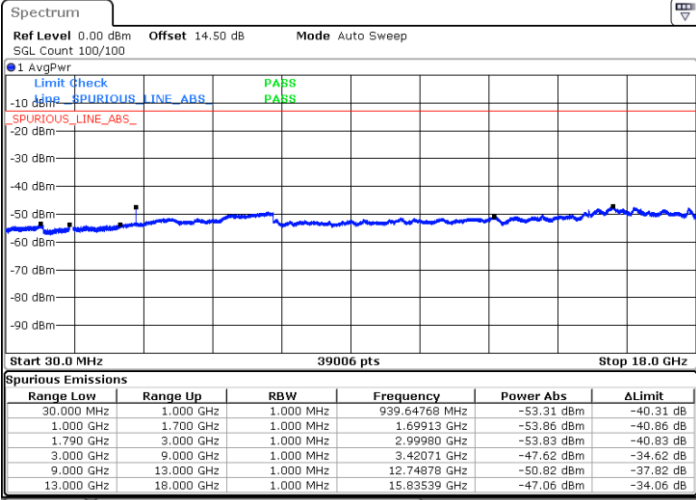
Date: 15.NOV.2024 17:22:08



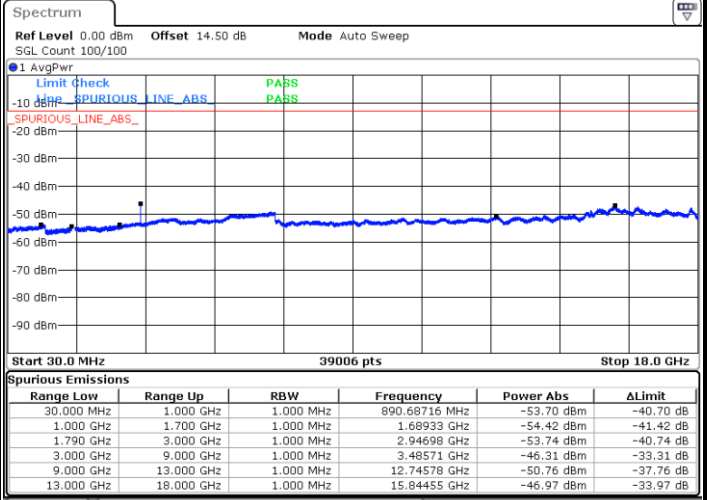
LTE Band 66 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

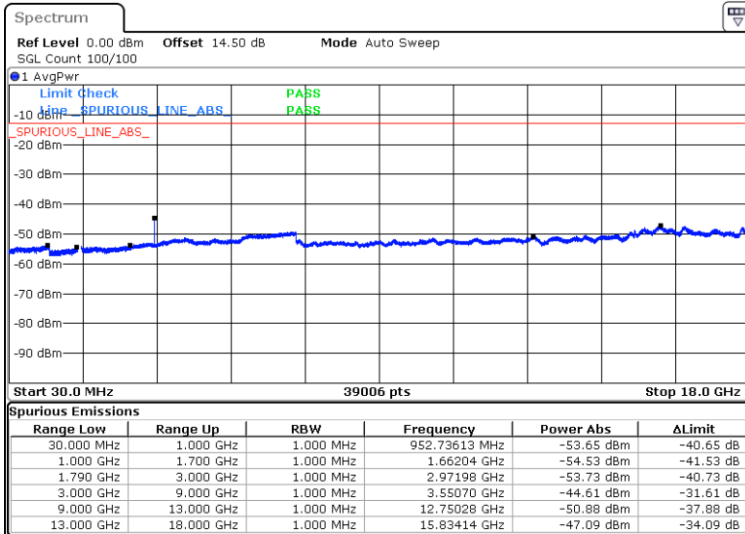


Date: 15.NOV.2024 17:26:03



Date: 15.NOV.2024 17:29:16

Highest Channel / QPSK



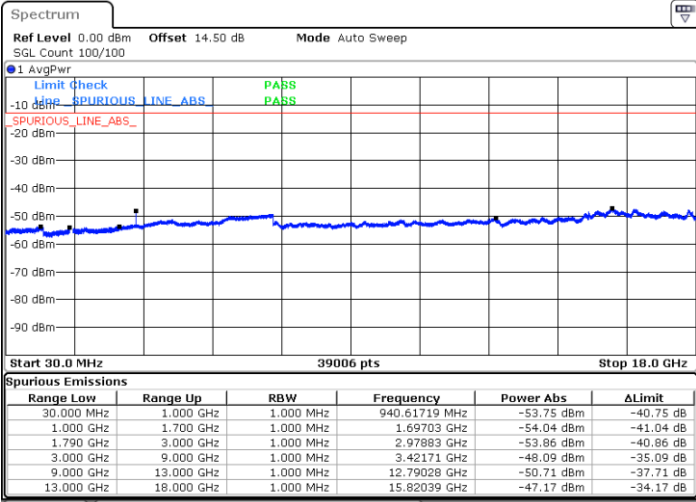
Date: 15.NOV.2024 17:36:07



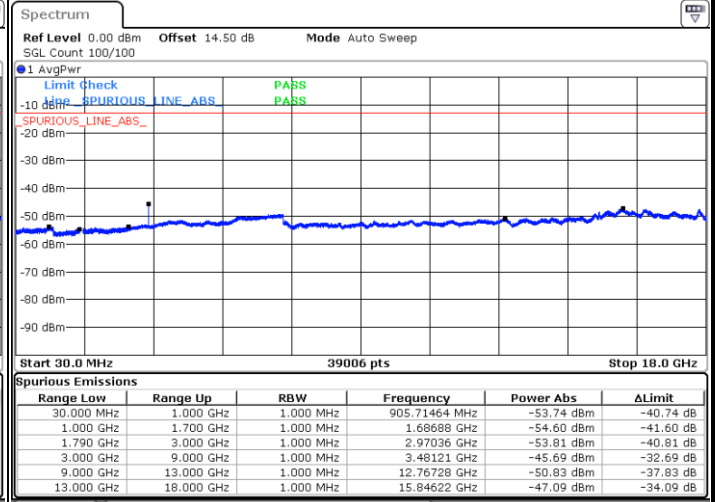
LTE Band 66 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

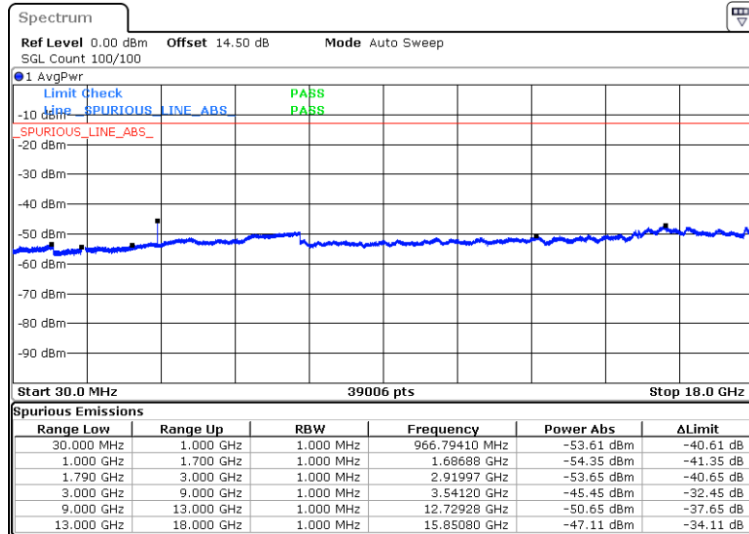


Date: 15.NOV.2024 17:42:20



Date: 15.NOV.2024 17:43:15

Highest Channel / QPSK



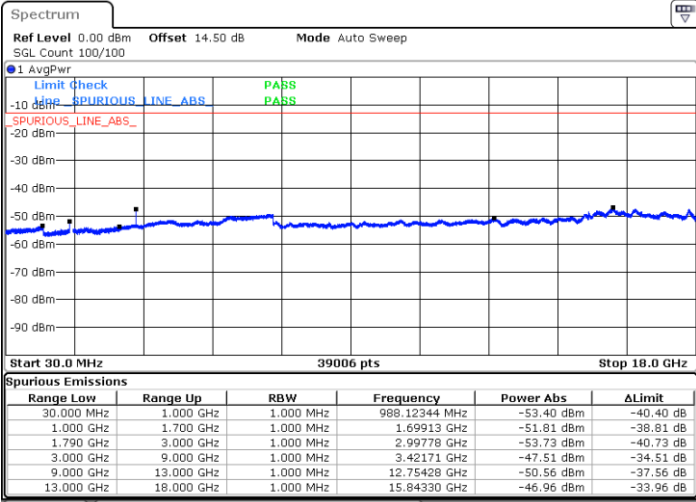
Date: 15.NOV.2024 17:50:06



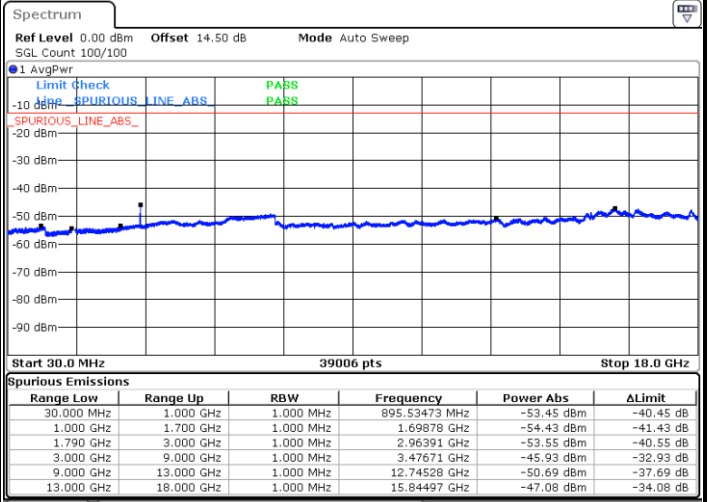
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

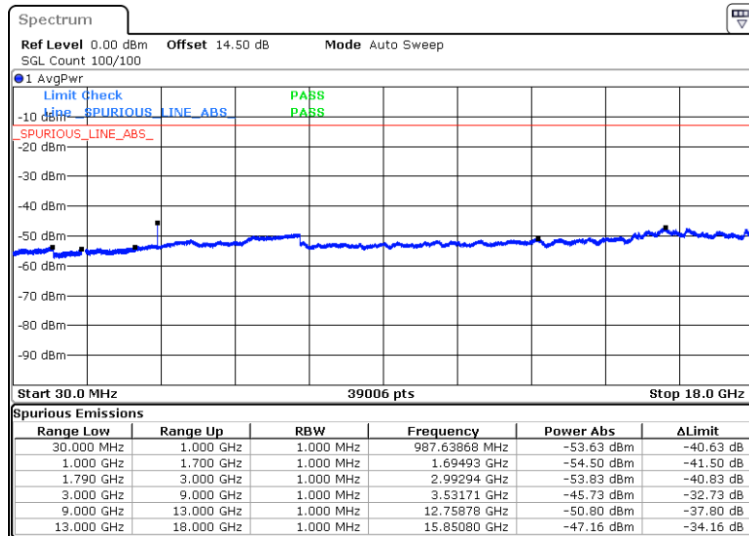


Date: 15.NOV.2024 17:56:20



Date: 15.NOV.2024 17:57:15

Highest Channel / QPSK



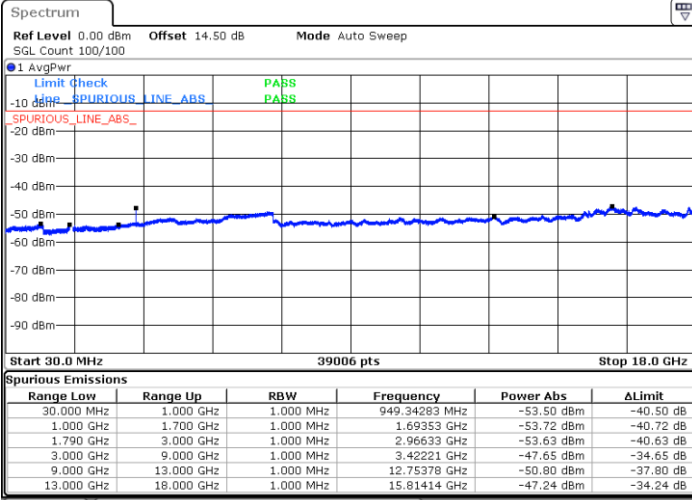
Date: 15.NOV.2024 18:04:06



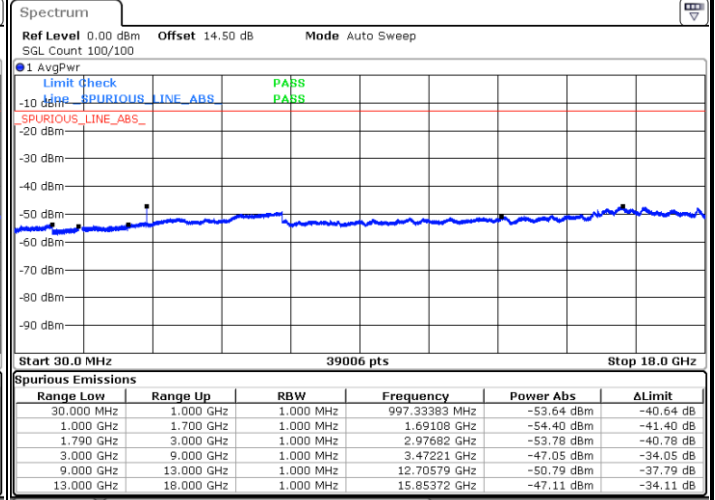
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

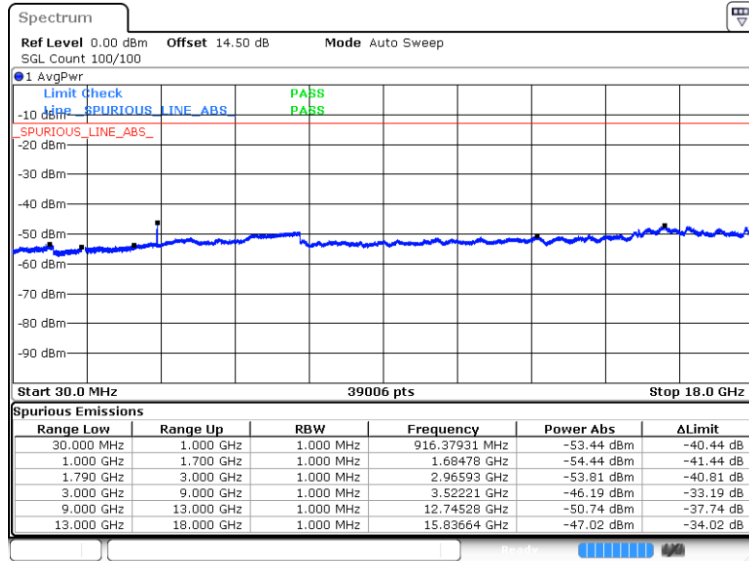


Date: 15.NOV.2024 18:10:19



Date: 15.NOV.2024 18:11:14

Highest Channel / QPSK



Date: 15.NOV.2024 18:18:05



### Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 1.4MHz	Note 2.
		Frequency Offset ( $\Delta f$ ) (Hz)	Result
50	Normal Voltage	1.3	PASS
40	Normal Voltage	1.8	
30	Normal Voltage	-1.9	
20(Ref.)	Normal Voltage	1.7	
10	Normal Voltage	1.4	
0	Normal Voltage	2.4	
-10	Normal Voltage	3.2	
-20	Normal Voltage	2.9	
-30	Normal Voltage	3.6	
20	Maximum Voltage	2.7	
20	Normal Voltage	1.7	
20	Battery End Point	3.1	

**Note:**

1. Normal Voltage = 3.91 V.; Battery End Point (BEP) = 3.4 V.; Maximum Voltage = 4.5 V.
2. The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block or frequency block group.

$$|\text{MAX}(\Delta f)| = 3.6\text{Hz}$$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L -  \text{MAX}(\Delta f) $	1710.154546	$\geq 1710$ MHz	PASS
$f_H +  \text{MAX}(\Delta f) $	1779.848254	$\leq 1780$ MHz	



# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

Test Engineer :	Jake	Temperature :	21~25°C
		Relative Humidity :	51~53%

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

LTE Band 25 / 20MHz / QPSK Ant.0								
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	-58.51	-13	-45.51	-70.77	2.64	14.90	H
	5550	-58.18	-13	-45.18	-70.04	2.94	14.80	H
	7410	-54.19	-13	-41.19	-63.96	3.39	13.16	H
	3705	-58.14	-13	-45.14	-70.40	2.64	14.90	V
	5550	-58.11	-13	-45.11	-69.97	2.94	14.80	V
	7410	-54.17	-13	-41.17	-63.94	3.39	13.16	V
Middle	3750	-59.05	-13	-46.05	-71.31	2.64	14.90	H
	5625	-58.27	-13	-45.27	-70.13	2.94	14.80	H
	7500	-54.03	-13	-41.03	-63.80	3.39	13.16	H
	3750	-58.63	-13	-45.63	-70.89	2.64	14.90	V
	5625	-58.45	-13	-45.45	-70.31	2.94	14.80	V
	7500	-54.01	-13	-41.01	-63.78	3.39	13.16	V
Highest	3795	-59.24	-13	-46.24	-71.50	2.64	14.90	H
	5685	-57.95	-13	-44.95	-69.81	2.94	14.80	H
	7590	-54.57	-13	-41.57	-64.34	3.39	13.16	H
	3795	-59.18	-13	-46.18	-71.44	2.64	14.90	V
	5685	-58.28	-13	-45.28	-70.14	2.94	14.80	V
	7590	-54.16	-13	-41.16	-63.93	3.39	13.16	V

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



LTE Band 66 / 20MHz / QPSK Ant.0								
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	-58.72	-13	-45.72	-69.46	2.604	13.34	H
	5130	-57.20	-13	-44.20	-67.71	3.011	13.52	H
	6840	-56.36	-13	-43.36	-66.56	3.271	13.47	H
	3420	-58.65	-13	-45.65	-69.39	2.604	13.34	V
	5130	-57.40	-13	-44.40	-67.91	3.011	13.52	V
	6840	-56.61	-13	-43.61	-66.81	3.271	13.47	V
Middle	3465	-59.07	-13	-46.07	-69.81	2.604	13.34	H
	5205	-57.73	-13	-44.73	-68.24	3.011	13.52	H
	6945	-57.10	-13	-44.10	-67.30	3.271	13.47	H
	3465	-58.71	-13	-45.71	-69.45	2.604	13.34	V
	5205	-57.98	-13	-44.98	-68.49	3.011	13.52	V
	6945	-56.82	-13	-43.82	-67.02	3.271	13.47	V
Highest	3525	-59.08	-13	-46.08	-69.82	2.604	13.34	H
	5280	-57.97	-13	-44.97	-68.48	3.011	13.52	H
	7050	-56.22	-13	-43.22	-66.42	3.271	13.47	H
	3525	-59.45	-13	-46.45	-70.19	2.604	13.34	V
	5280	-58.15	-13	-45.15	-68.66	3.011	13.52	V
	7050	-56.44	-13	-43.44	-66.64	3.271	13.47	V

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

LTE Band 2 other PA / 20MHz / QPSK Ant.0								
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	-56.63	-13	-43.63	-68.89	2.64	14.90	H
	5550	-56.71	-13	-43.71	-68.57	2.94	14.80	H
	7410	-53.96	-13	-40.96	-63.73	3.39	13.16	H
	3705	-56.55	-13	-43.55	-68.81	2.64	14.90	V
	5550	-56.90	-13	-43.90	-68.76	2.94	14.80	V
	7410	-54.26	-13	-41.26	-64.03	3.39	13.16	V
Middle	3735	-57.32	-13	-44.32	-69.58	2.64	14.90	H
	5610	-57.03	-13	-44.03	-68.89	2.94	14.80	H
	7485	-53.72	-13	-40.72	-63.49	3.39	13.16	H
	3735	-56.45	-13	-43.45	-68.71	2.64	14.90	V
	5610	-57.34	-13	-44.34	-69.20	2.94	14.80	V
	7485	-53.66	-13	-40.66	-63.43	3.39	13.16	V
Highest	3780	-57.20	-13	-44.20	-69.46	2.64	14.90	H
	5670	-56.30	-13	-43.30	-68.16	2.94	14.80	H
	7560	-53.90	-13	-40.90	-63.67	3.39	13.16	H
	3780	-56.96	-13	-43.96	-69.22	2.64	14.90	V
	5670	-56.87	-13	-43.87	-68.73	2.94	14.80	V
	7560	-53.89	-13	-40.89	-63.66	3.39	13.16	V

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



LTE Band 66 other PA / 20MHz / QPSK Ant.0								
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	-58.47	-13	-45.47	-69.21	2.604	13.34	H
	5130	-55.66	-13	-42.66	-66.17	3.011	13.52	H
	6840	-56.52	-13	-43.52	-66.72	3.271	13.47	H
	3420	-58.32	-13	-45.32	-69.06	2.604	13.34	V
	5130	-55.94	-13	-42.94	-66.45	3.011	13.52	V
	6840	-56.58	-13	-43.58	-66.78	3.271	13.47	V
Middle	3465	-58.28	-13	-45.28	-69.02	2.604	13.34	H
	5205	-56.19	-13	-43.19	-66.70	3.011	13.52	H
	6945	-55.82	-13	-42.82	-66.02	3.271	13.47	H
	3465	-58.47	-13	-45.47	-69.21	2.604	13.34	V
	5205	-56.17	-13	-43.17	-66.68	3.011	13.52	V
	6945	-55.96	-13	-42.96	-66.16	3.271	13.47	V
Highest	3525	-58.67	-13	-45.67	-69.41	2.604	13.34	H
	5280	-57.02	-13	-44.02	-67.53	3.011	13.52	H
	7050	-55.46	-13	-42.46	-65.66	3.271	13.47	H
	3525	-58.98	-13	-45.98	-69.72	2.604	13.34	V
	5280	-56.90	-13	-43.90	-67.41	3.011	13.52	V
	7050	-55.68	-13	-42.68	-65.88	3.271	13.47	V

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