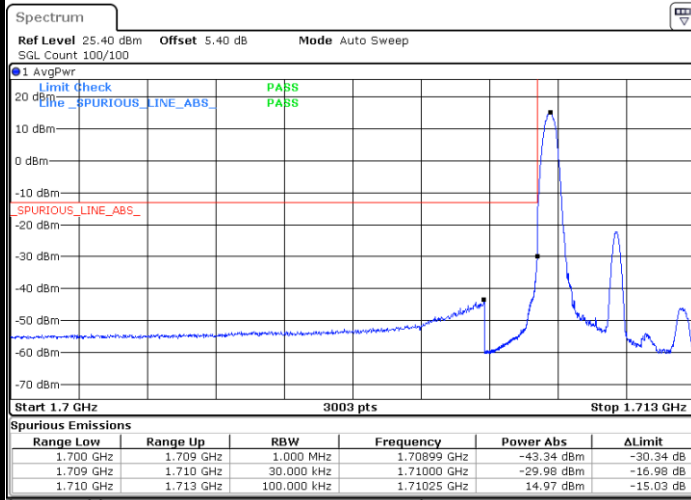


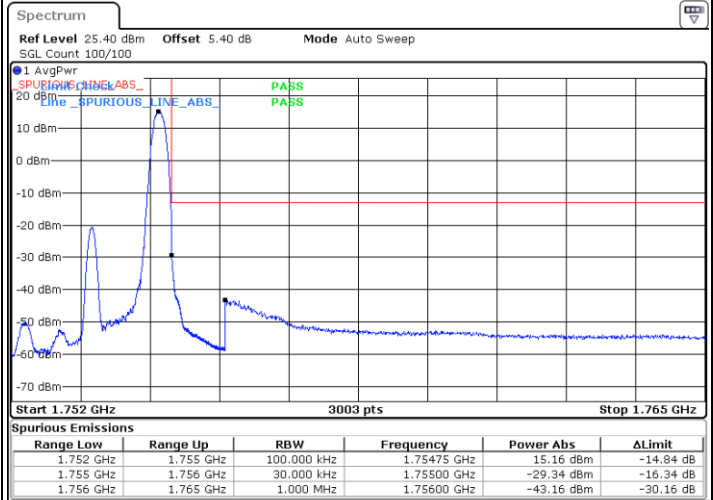


LTE Band 4 / 3MHz / 256QAM

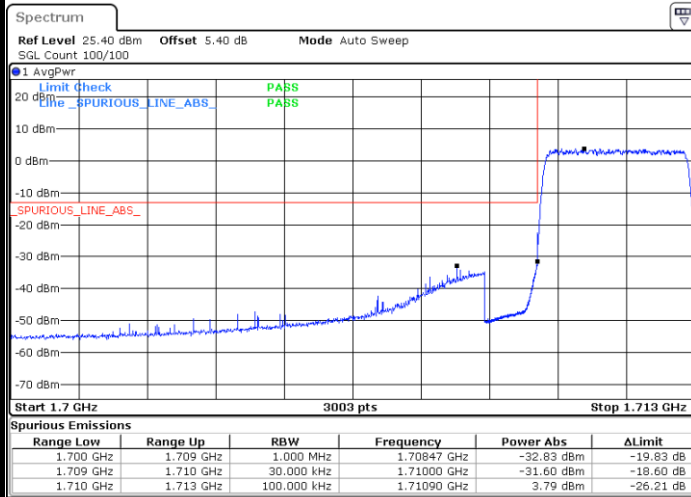
Lowest Band Edge / 1 RB



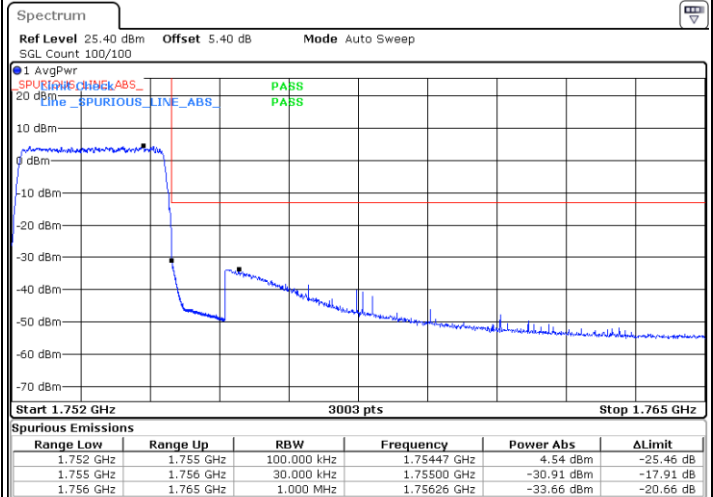
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



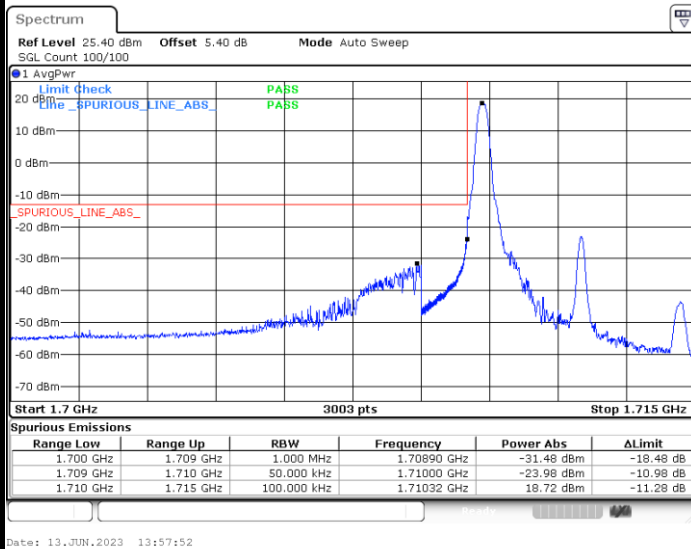
Highest Band Edge / Full RB



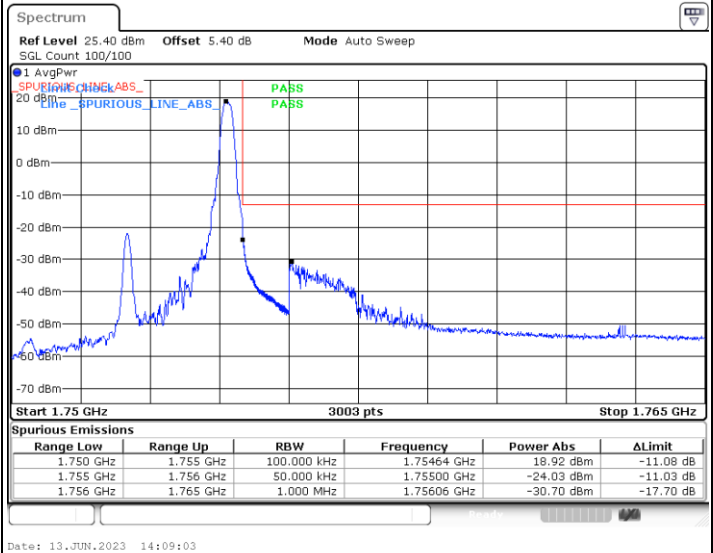


LTE Band 4 / 5MHz / QPSK

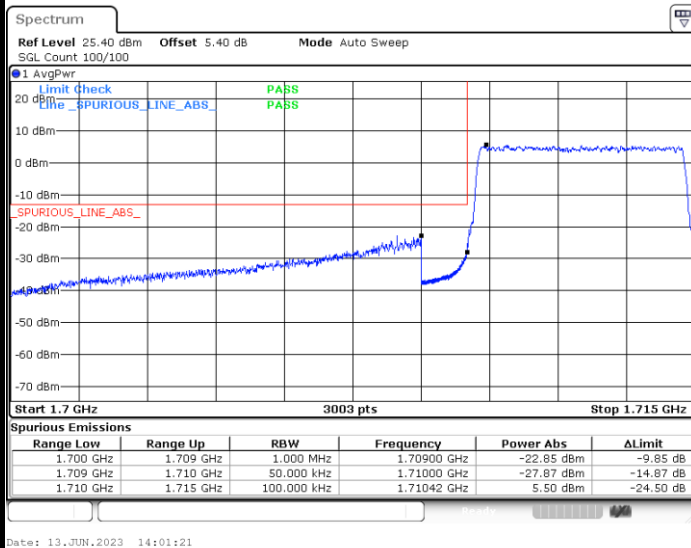
Lowest Band Edge / 1 RB



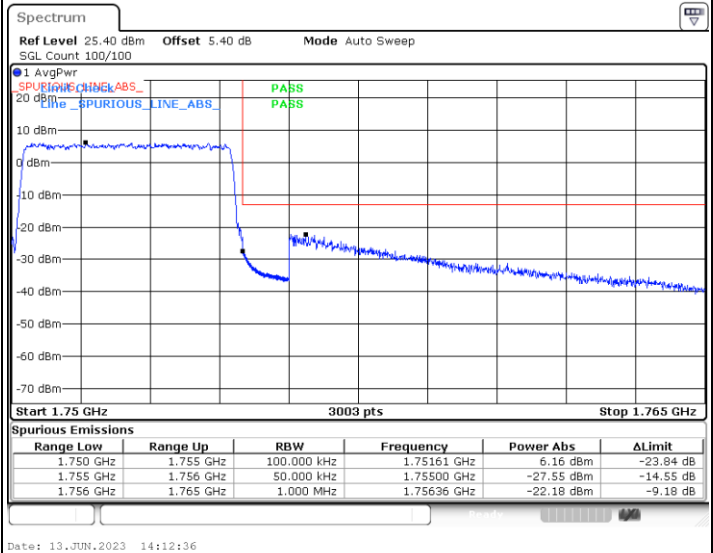
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



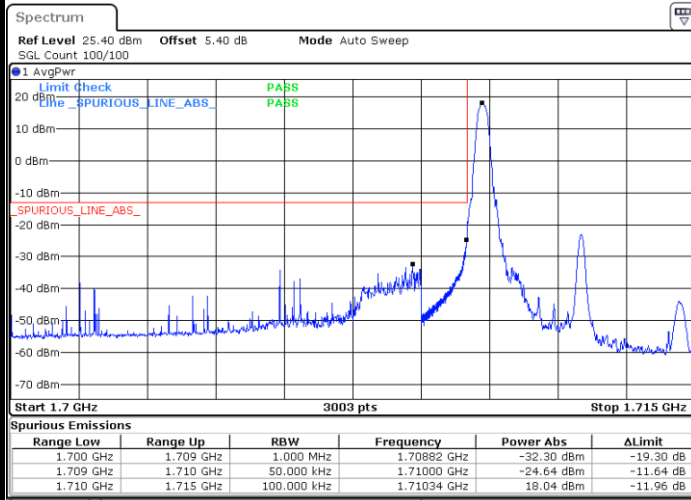
Highest Band Edge / Full RB



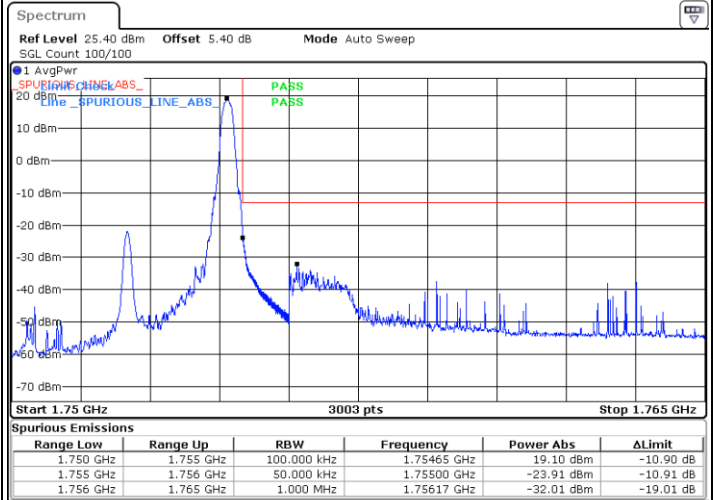


LTE Band 4 / 5MHz / 16QAM

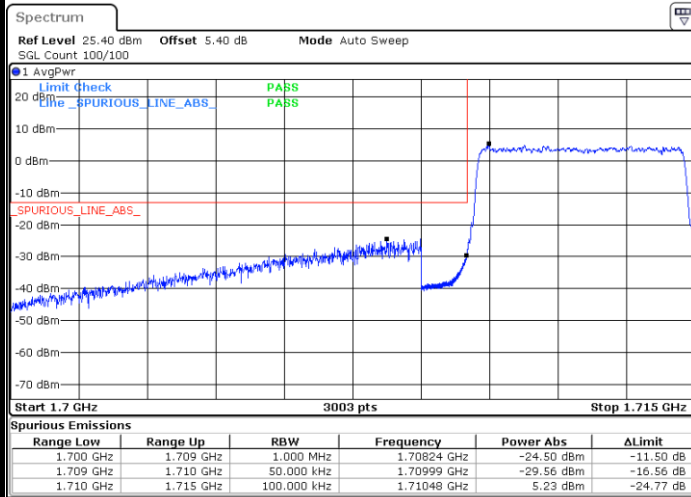
Lowest Band Edge / 1RB



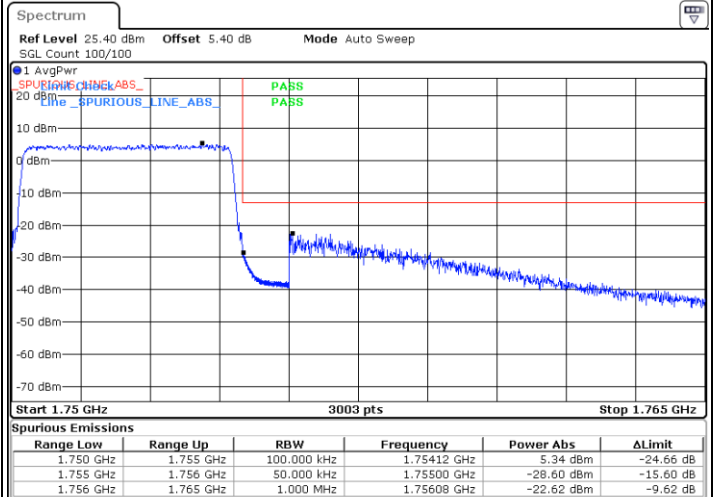
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



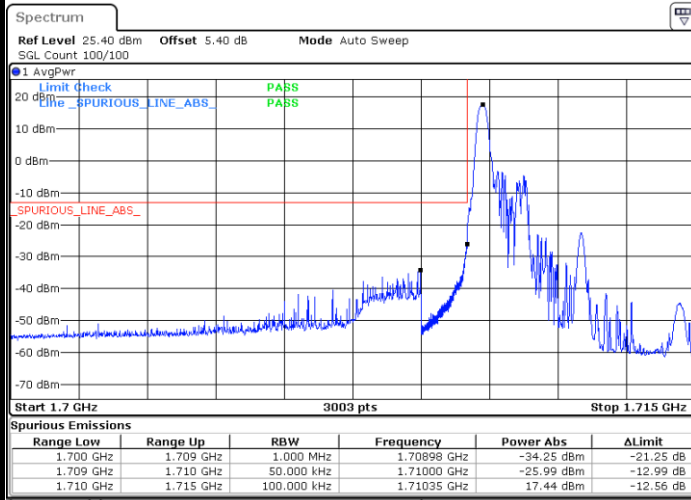
Highest Band Edge / Full RB



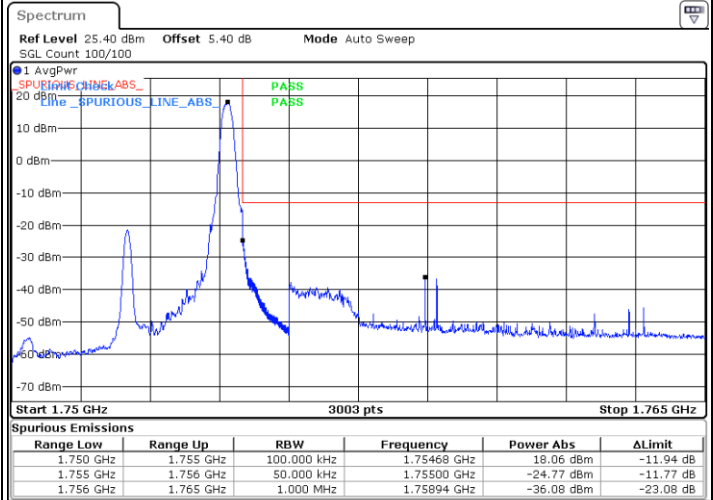


LTE Band 4 / 5MHz / 64QAM

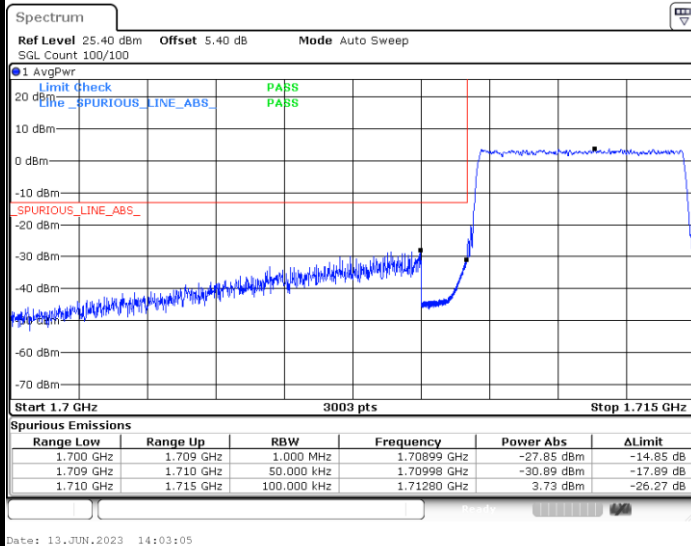
Lowest Band Edge / 1RB



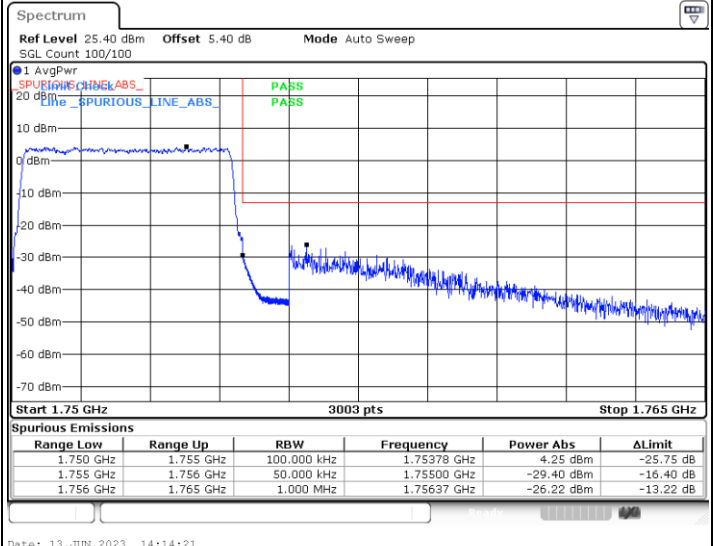
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



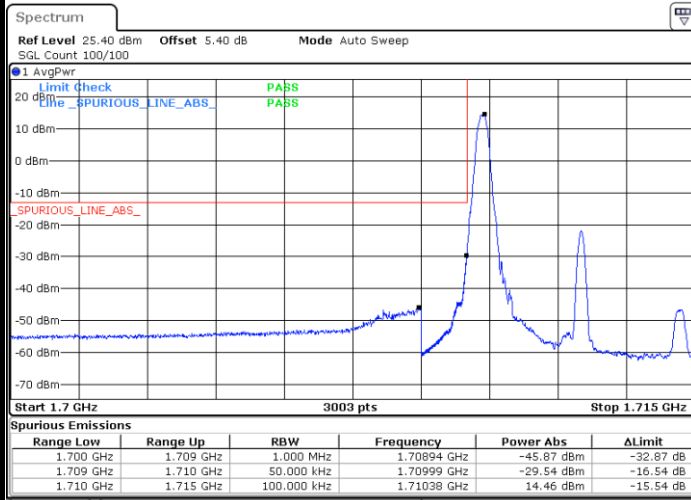
Highest Band Edge / Full RB



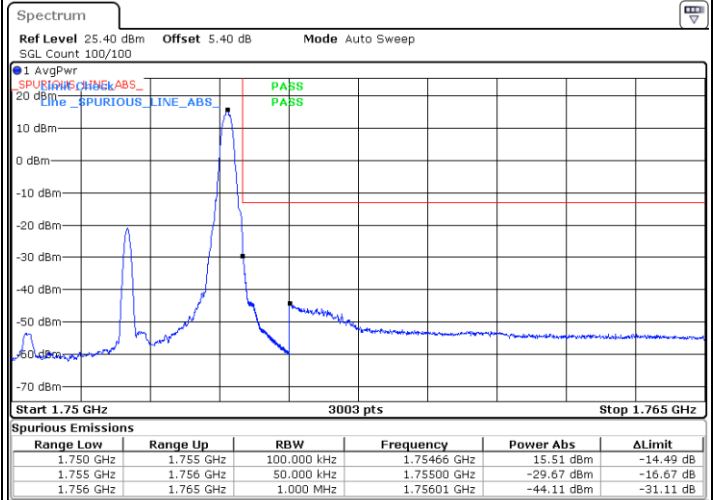


LTE Band 4 / 5MHz /256QAM

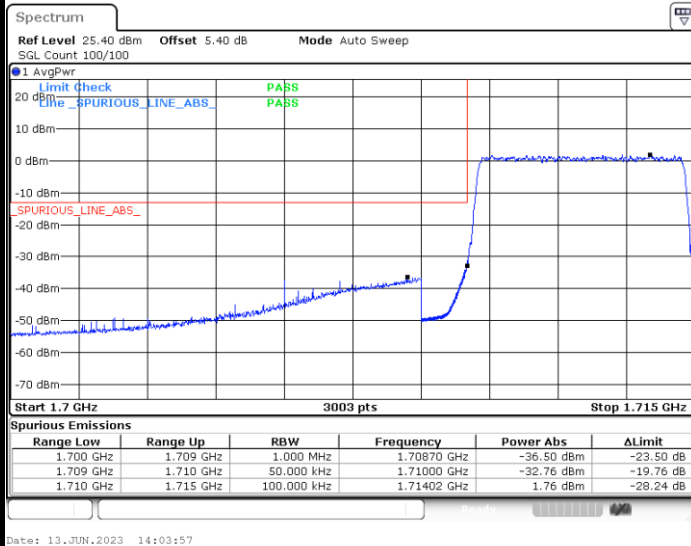
Lowest Band Edge / 1RB



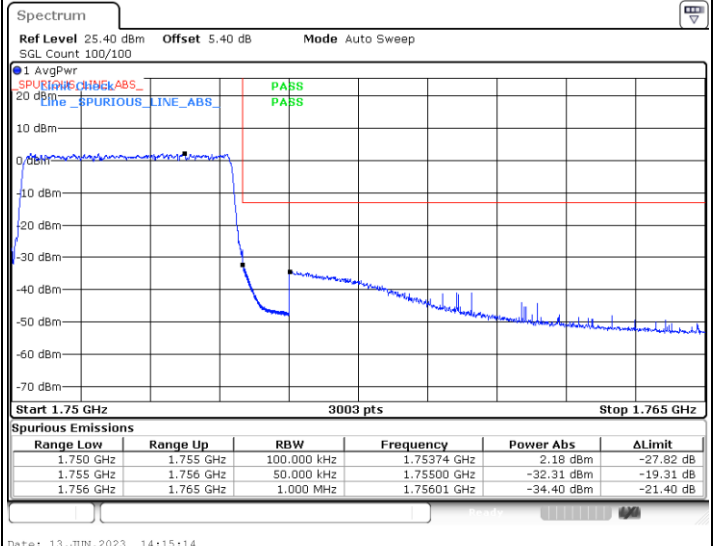
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



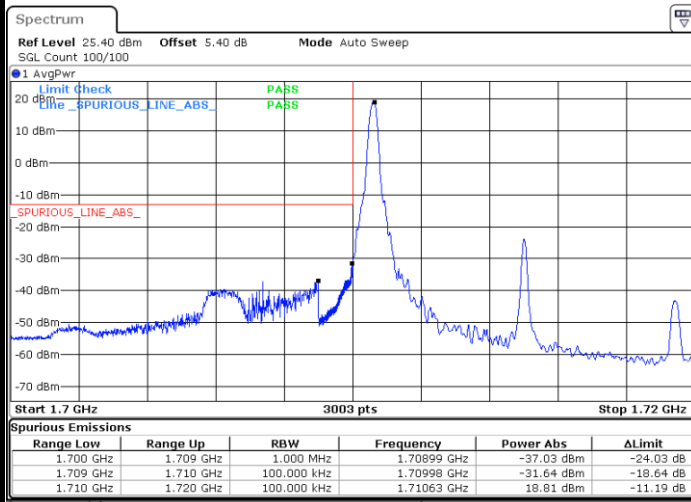
Highest Band Edge / Full RB



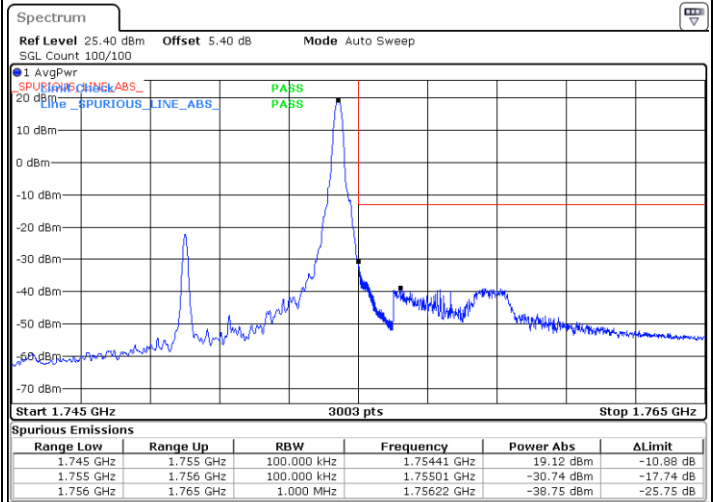


LTE Band 4 / 10MHz / QPSK

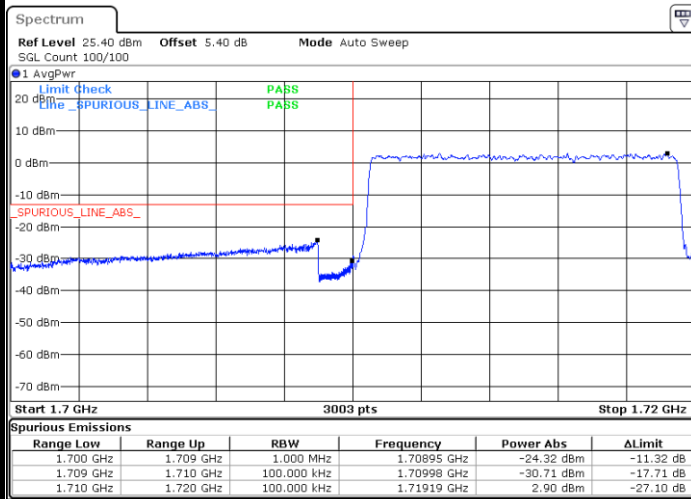
Lowest Band Edge / 1 RB



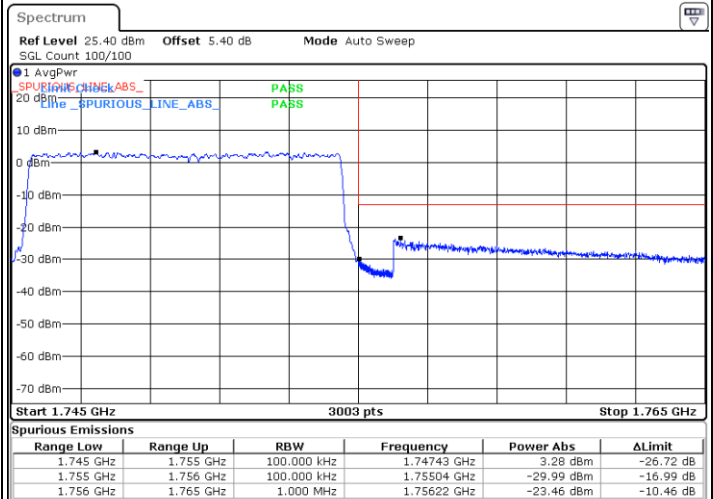
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



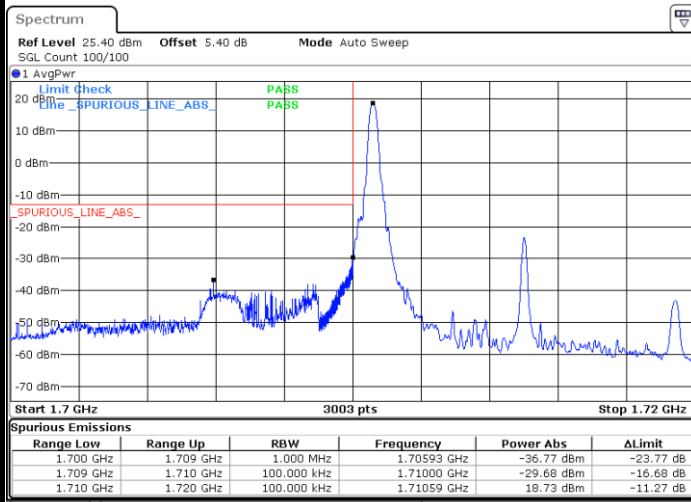
Highest Band Edge / Full RB



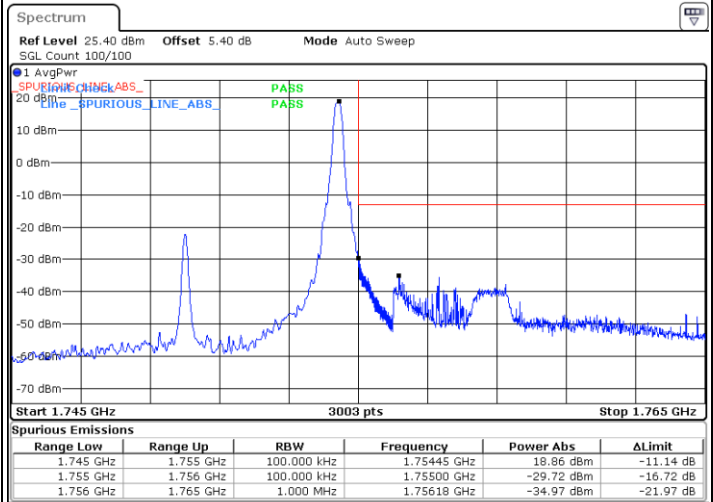


LTE Band 4 / 10MHz / 16QAM

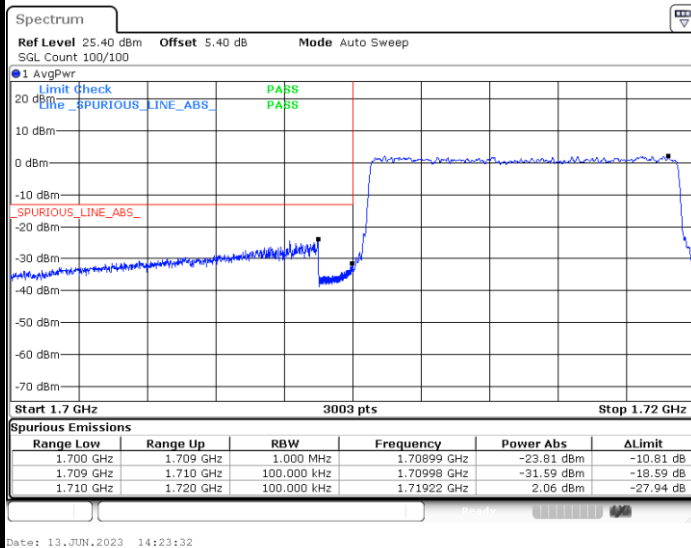
Lowest Band Edge / 1 RB



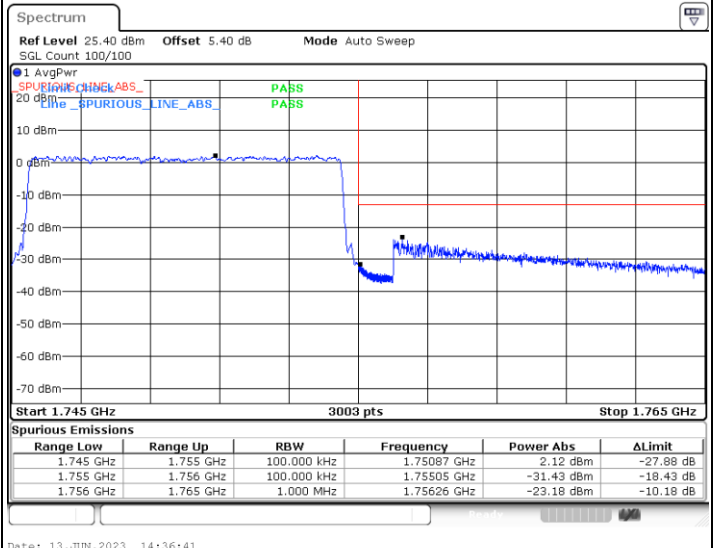
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



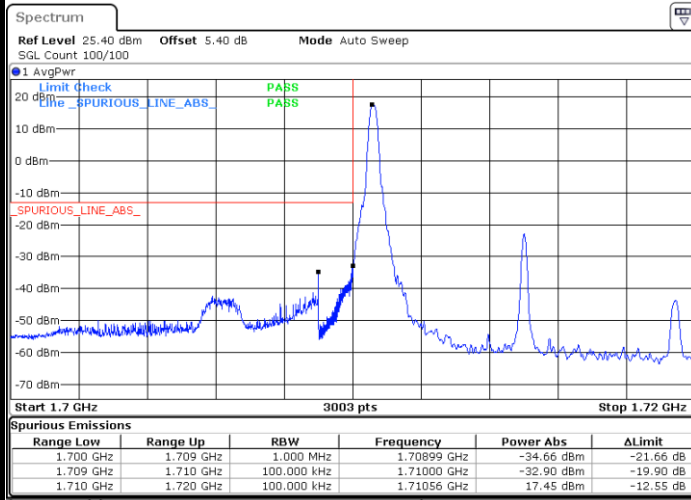
Highest Band Edge / Full RB



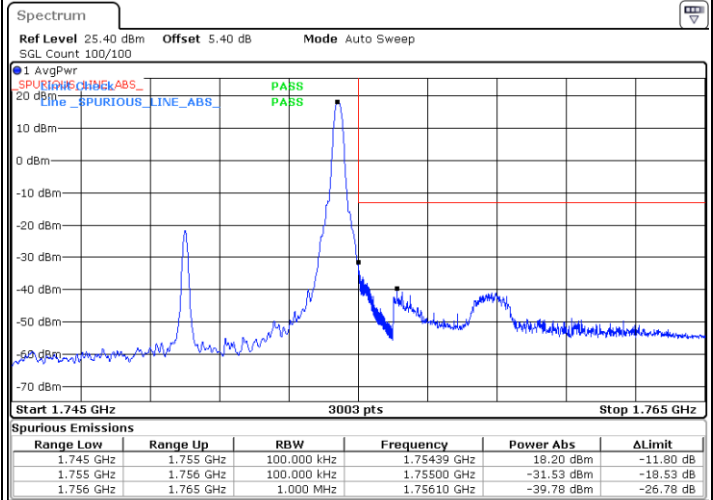


LTE Band 4 / 10MHz / 64QAM

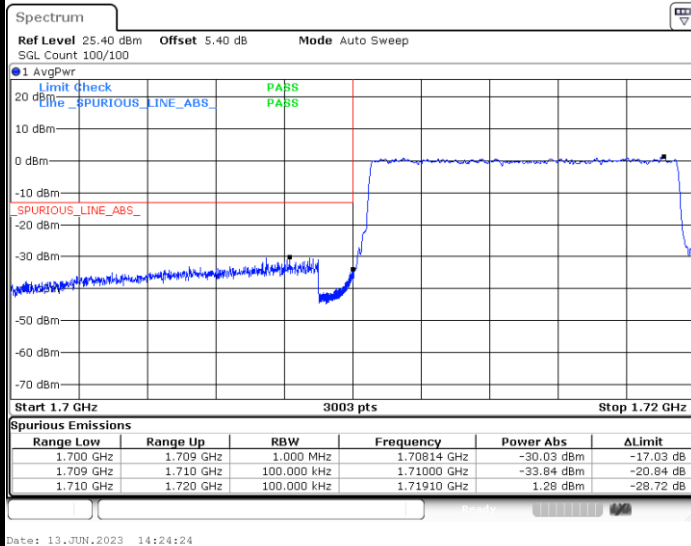
Lowest Band Edge / 1 RB



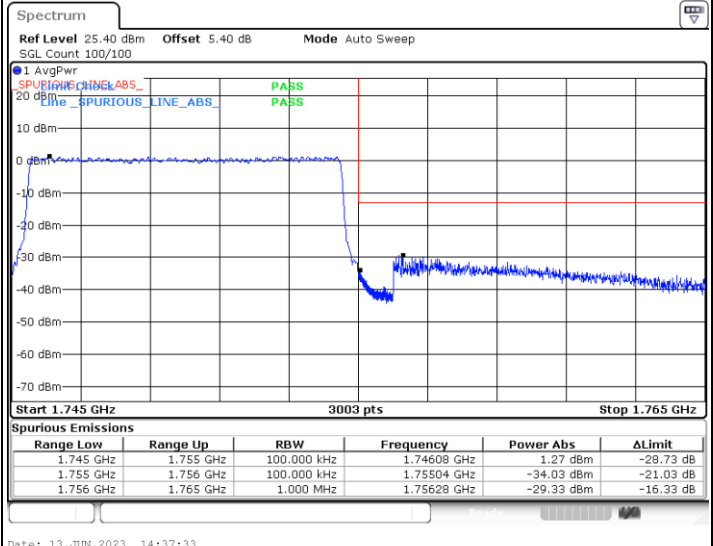
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



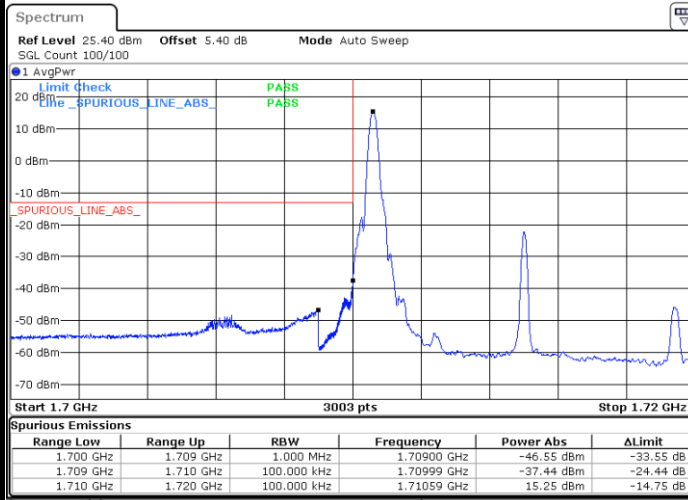
Highest Band Edge / Full RB



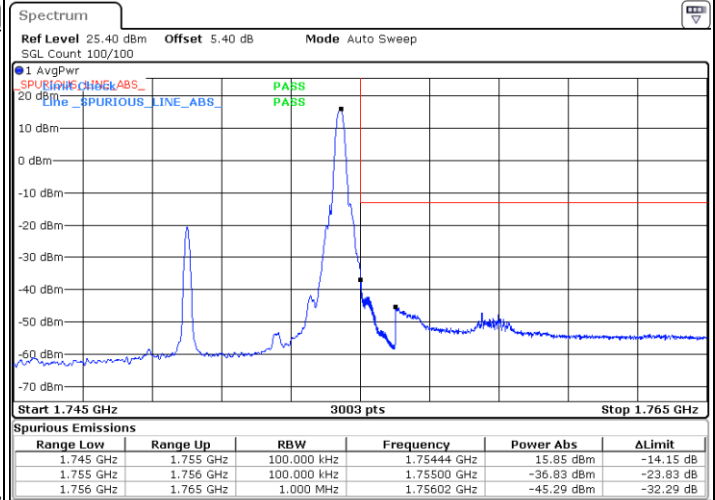


LTE Band 4 / 10MHz / 256QAM

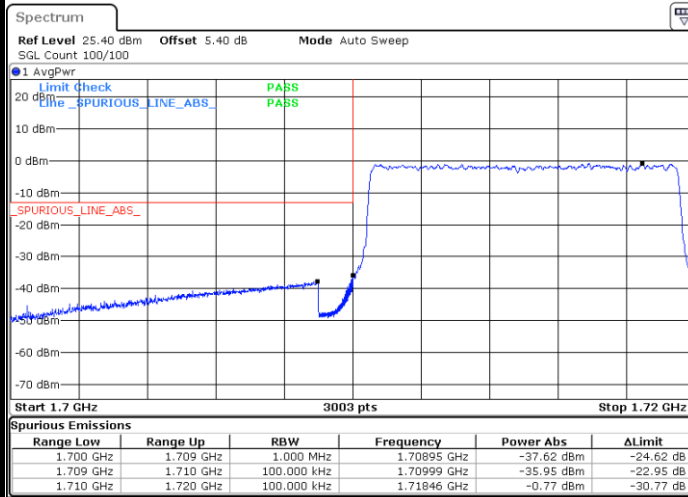
Lowest Band Edge / 1 RB



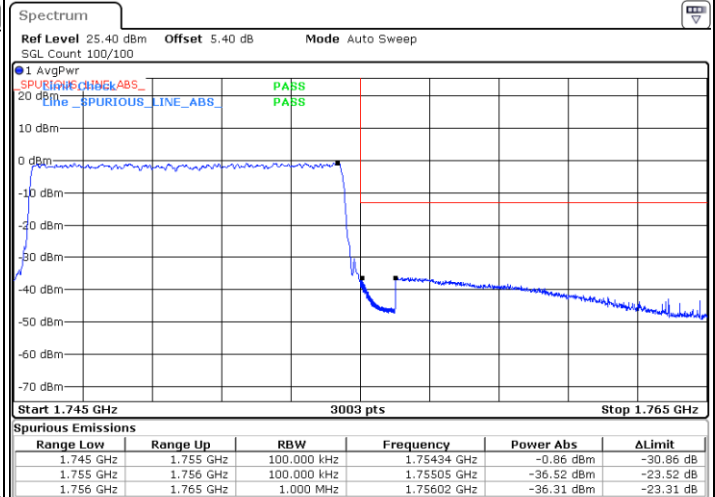
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



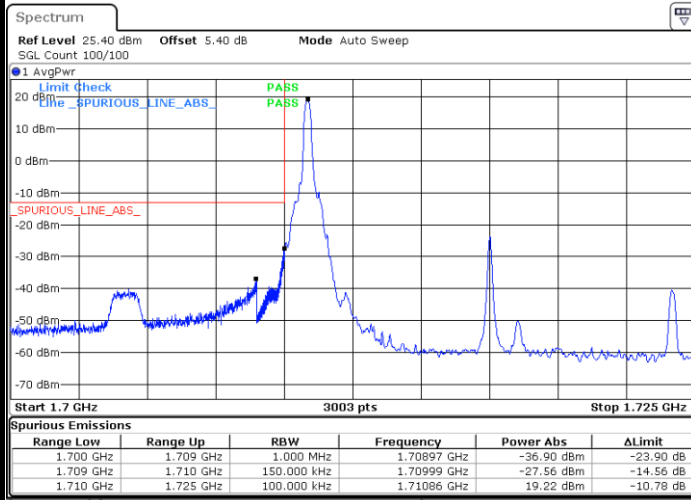
Highest Band Edge / Full RB



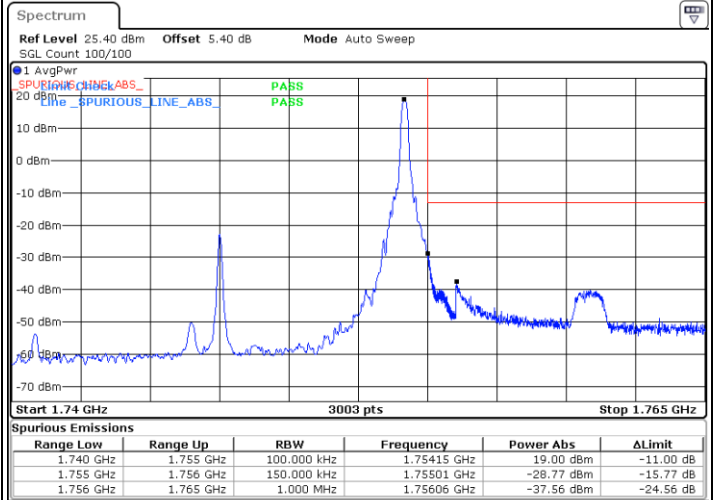


LTE Band 4 / 15MHz / QPSK

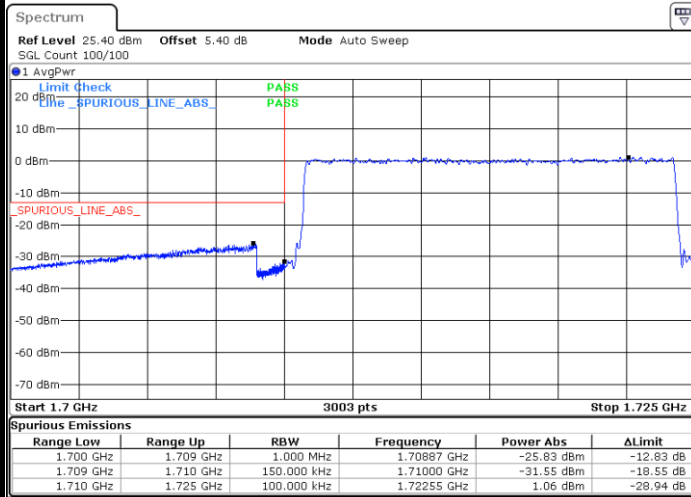
Lowest Band Edge / 1 RB



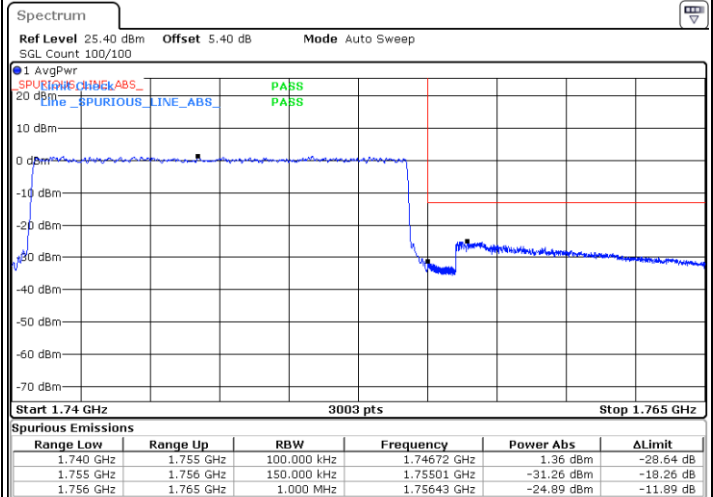
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



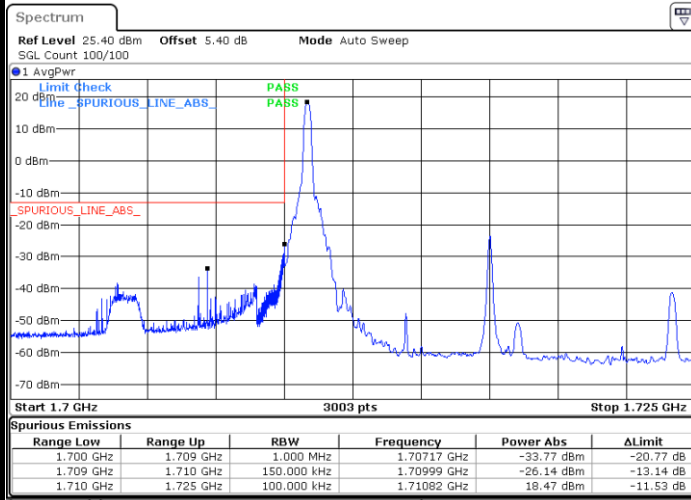
Highest Band Edge / Full RB



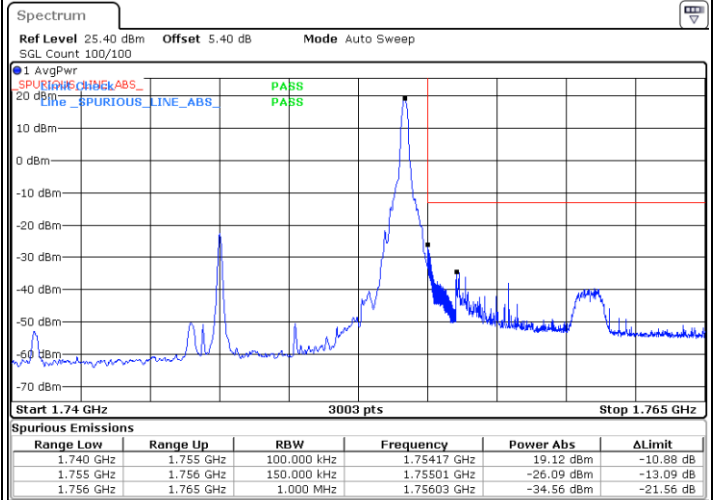


LTE Band 4 / 15MHz / 16QAM

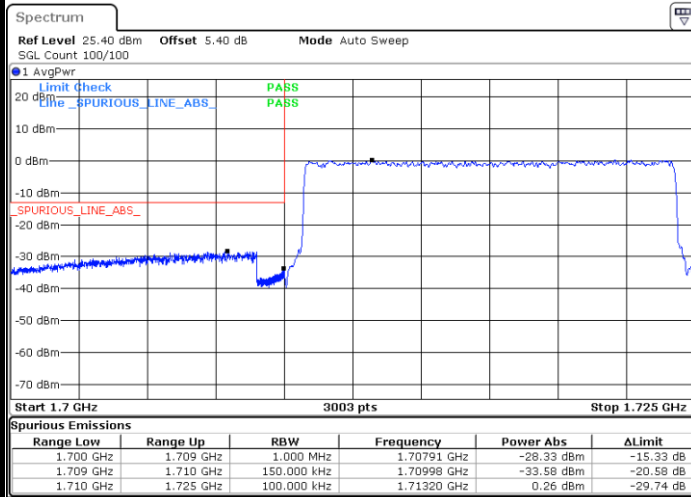
Lowest Band Edge / 1 RB



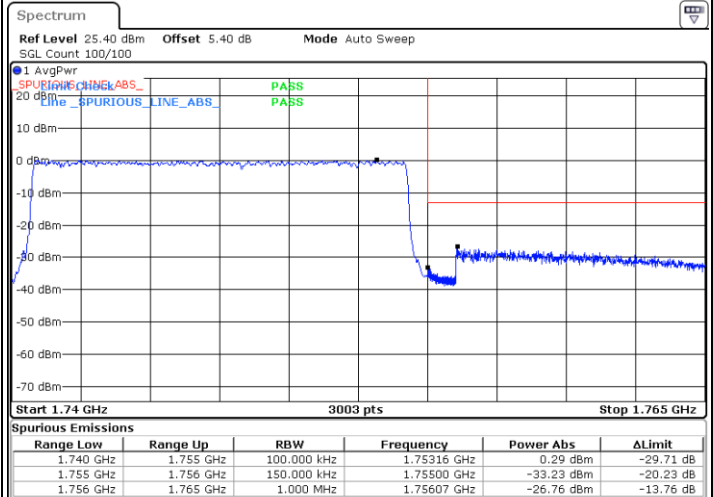
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



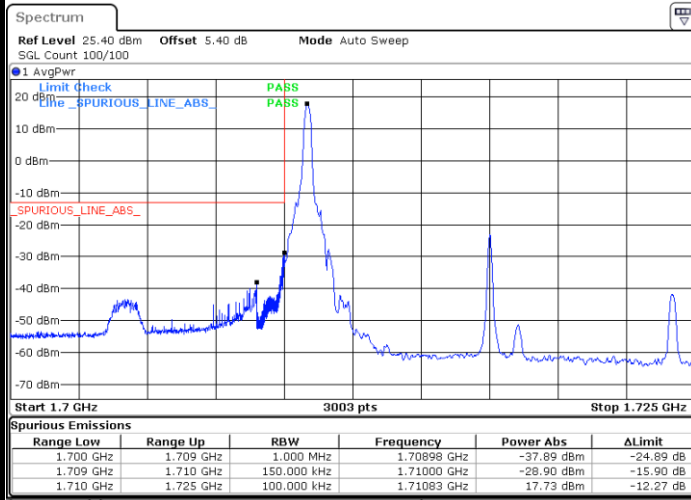
Highest Band Edge / Full RB



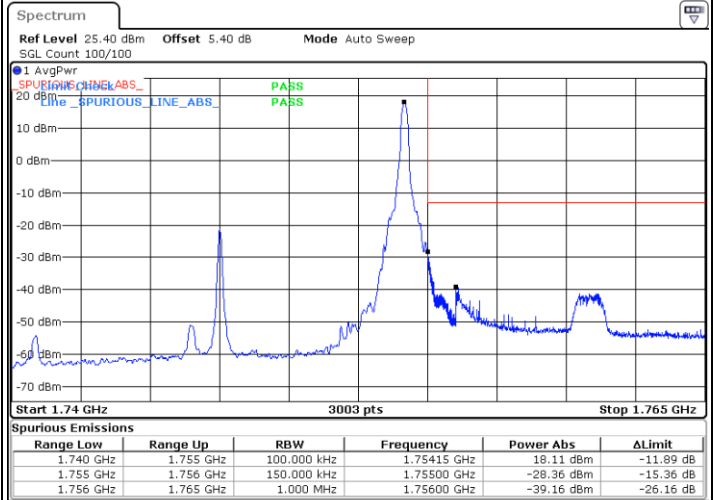


LTE Band 4 / 15MHz / 64QAM

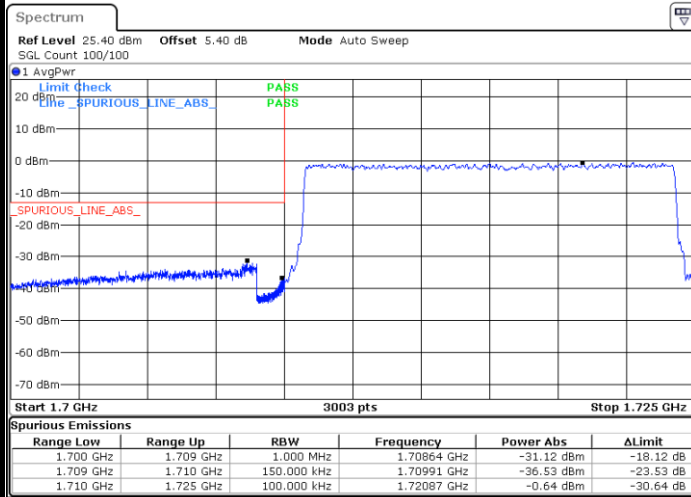
Lowest Band Edge / 1 RB



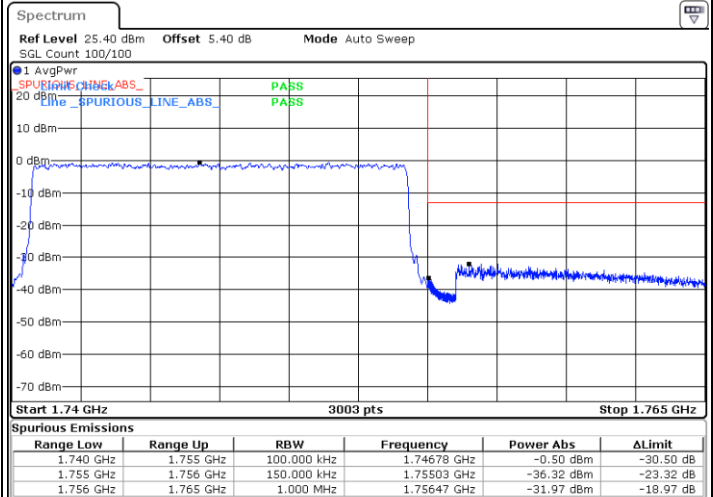
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



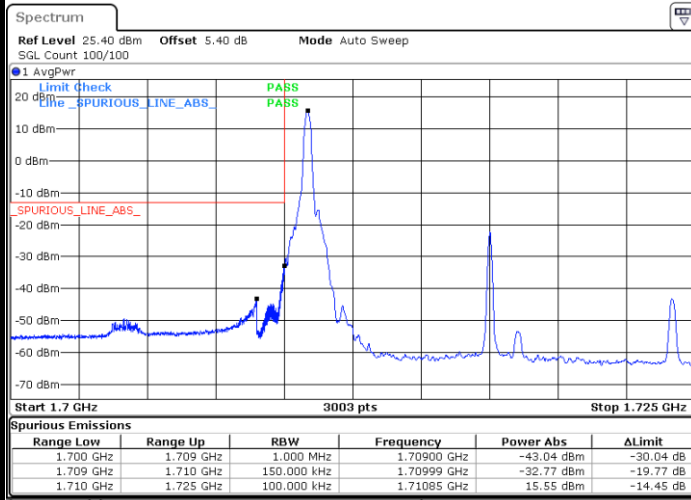
Highest Band Edge / Full RB



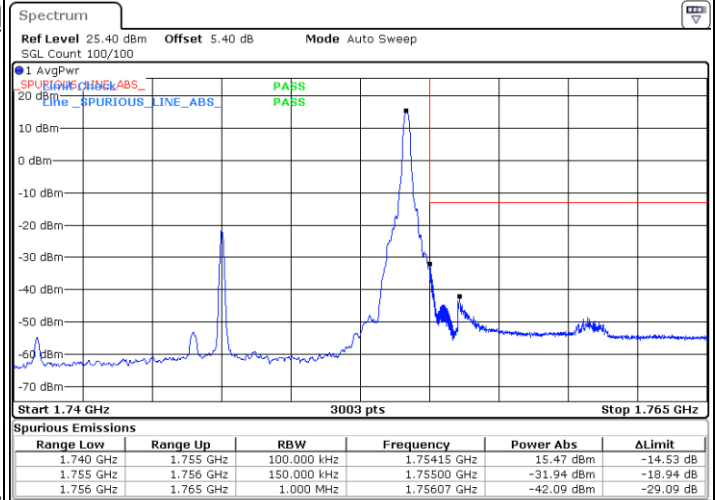


LTE Band 4 / 15MHz / 256QAM

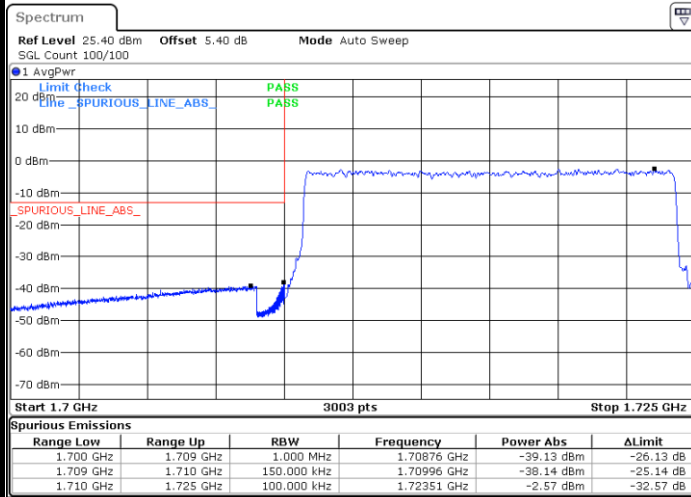
Lowest Band Edge / 1 RB



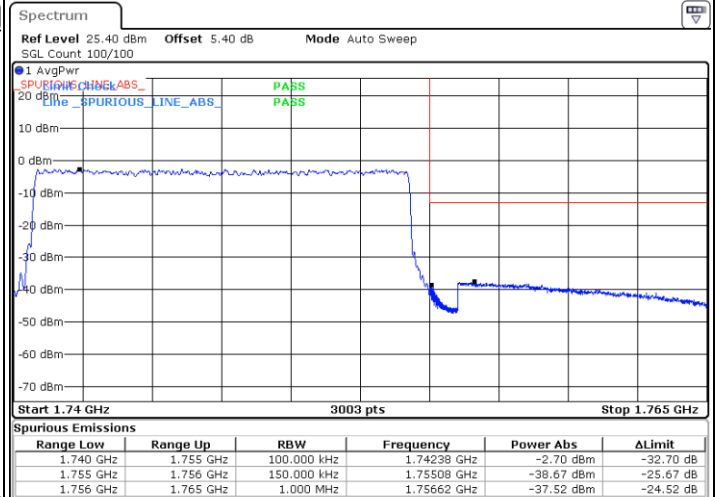
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



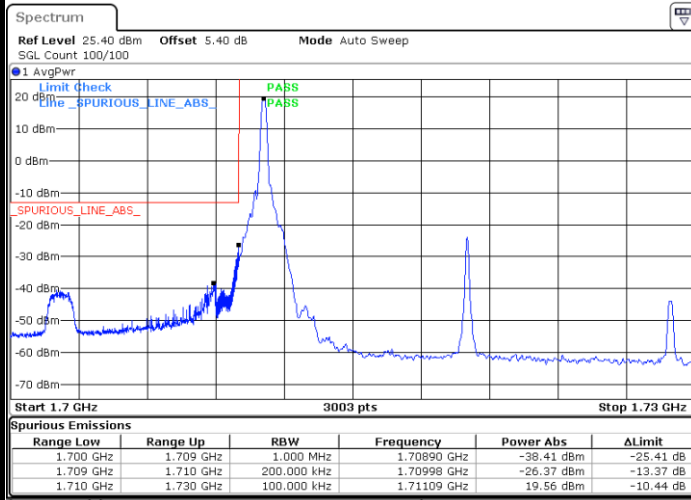
Highest Band Edge / Full RB



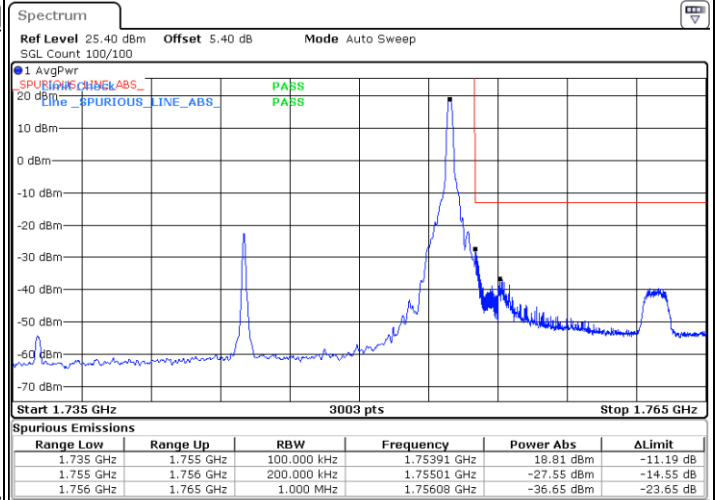


LTE Band 4 / 20MHz / QPSK

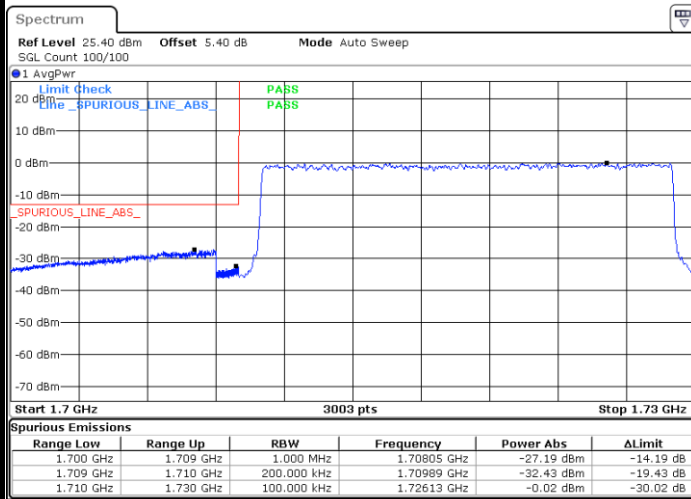
Lowest Band Edge / 1 RB



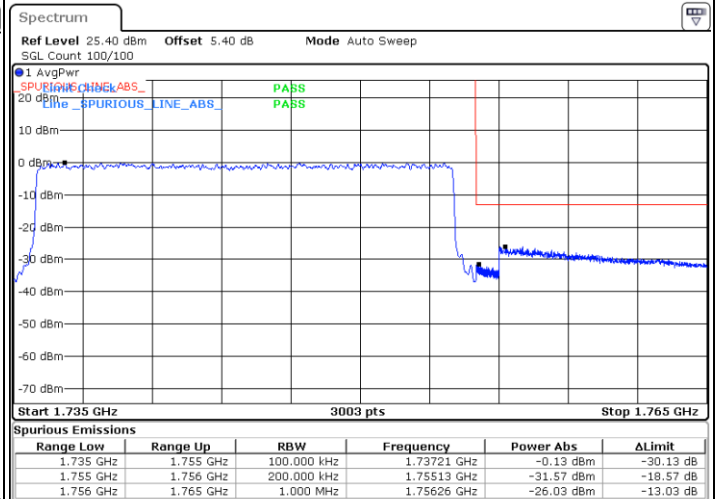
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



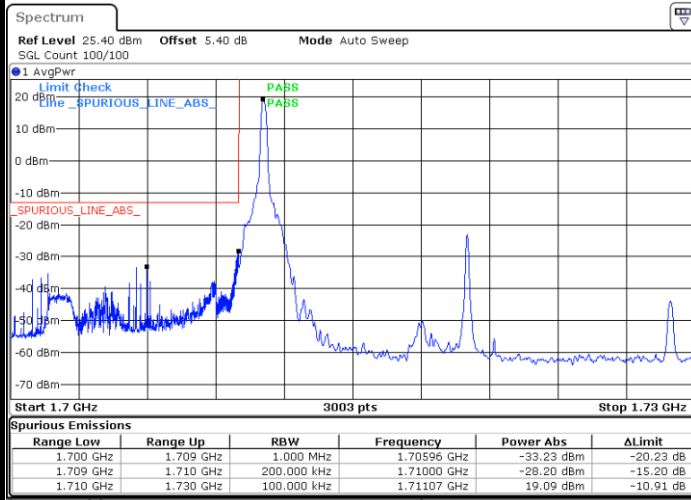
Highest Band Edge / Full RB



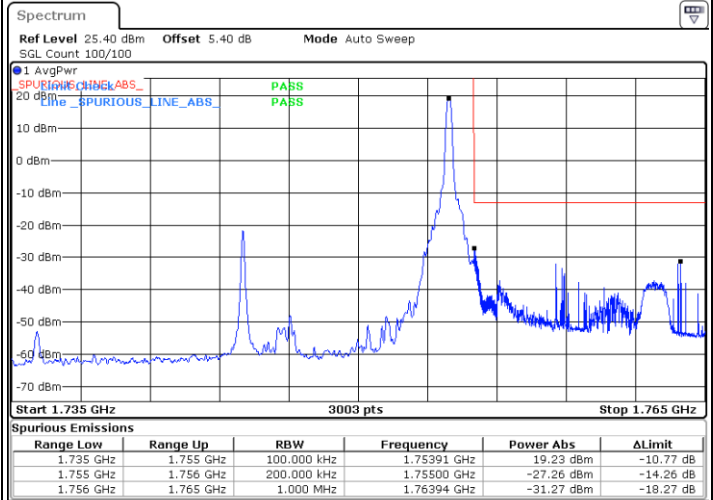


LTE Band 4 / 20MHz / 16QAM

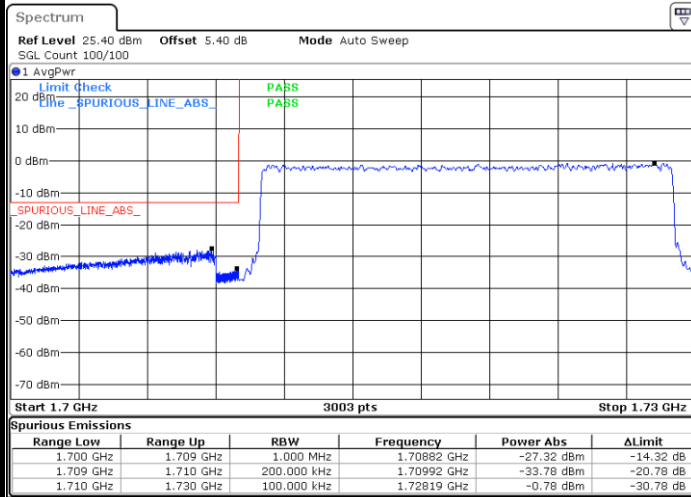
Lowest Band Edge / 1 RB



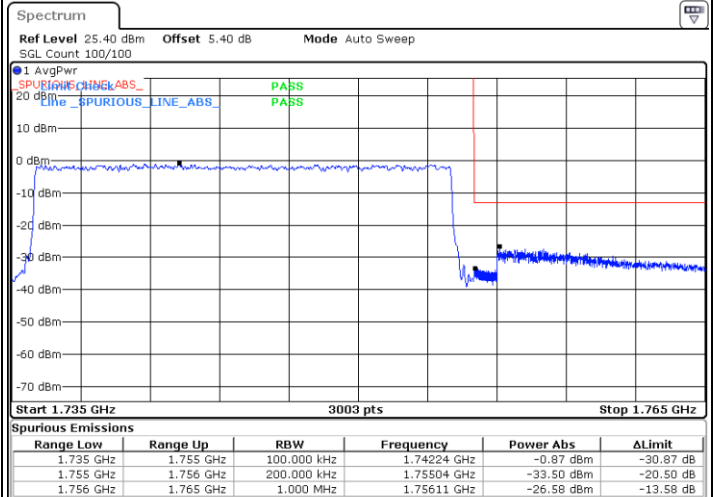
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



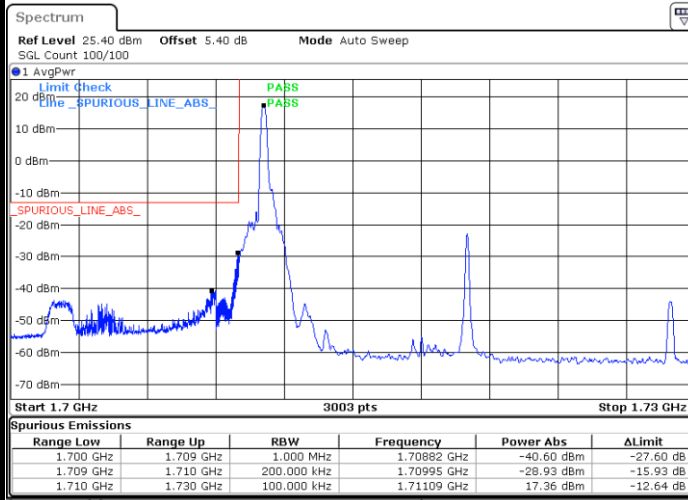
Highest Band Edge / Full RB



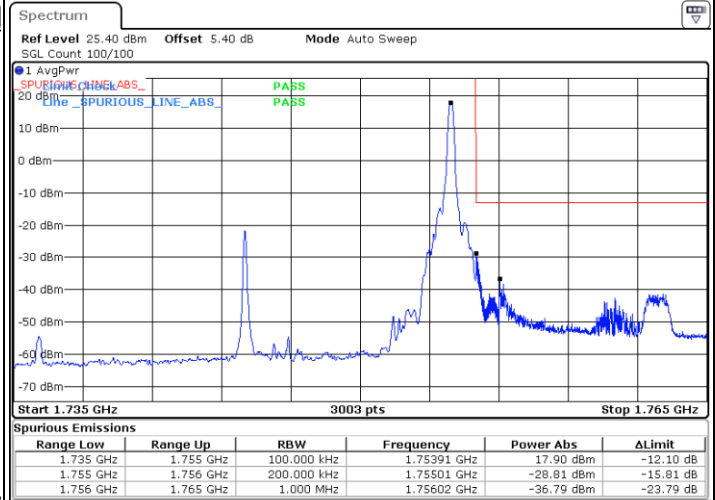


LTE Band 4 / 20MHz / 64QAM

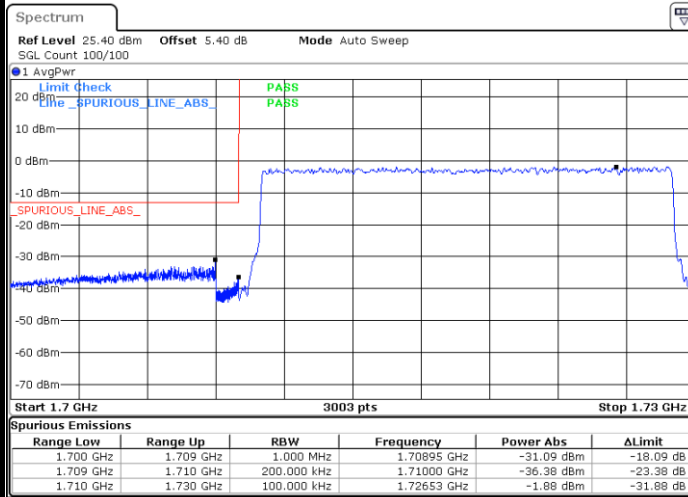
Lowest Band Edge / 1 RB



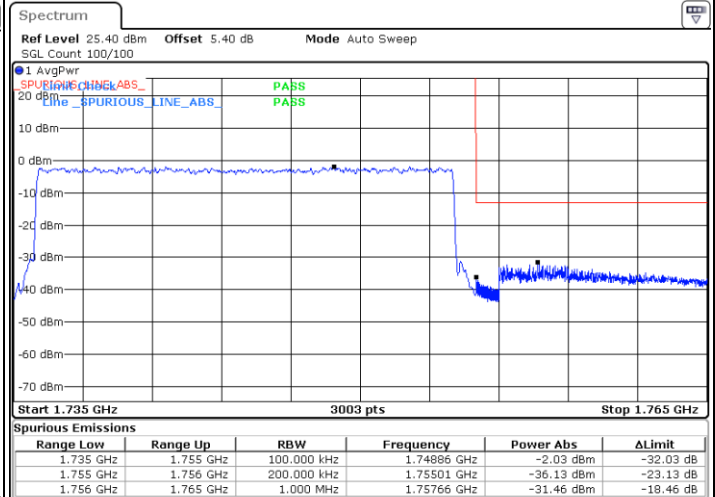
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



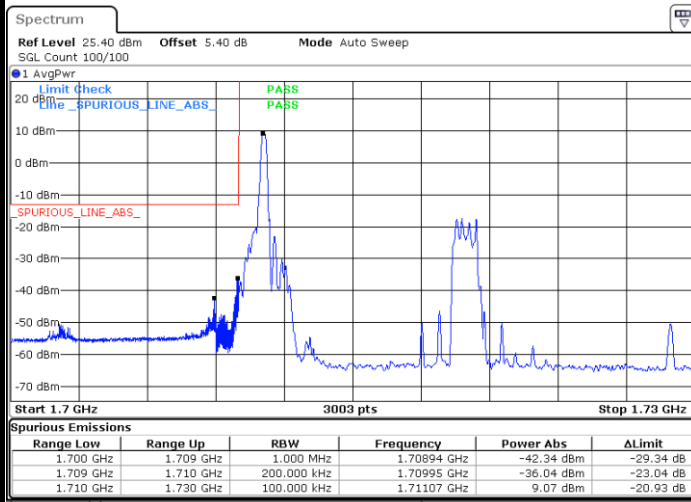
Highest Band Edge / Full RB



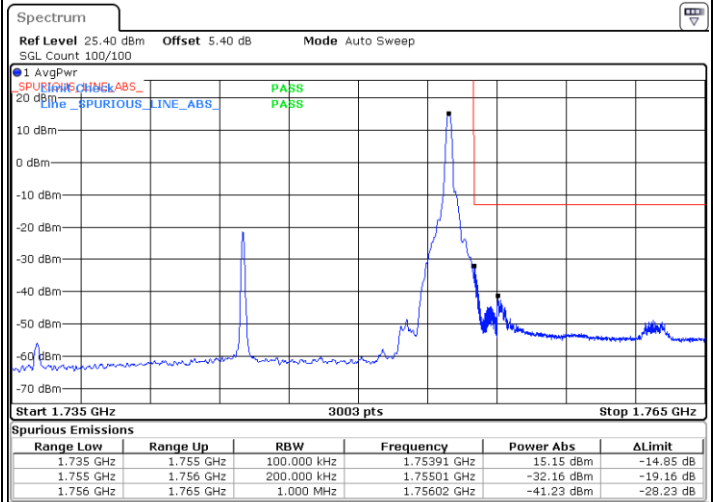


LTE Band 4 / 20MHz / 256QAM

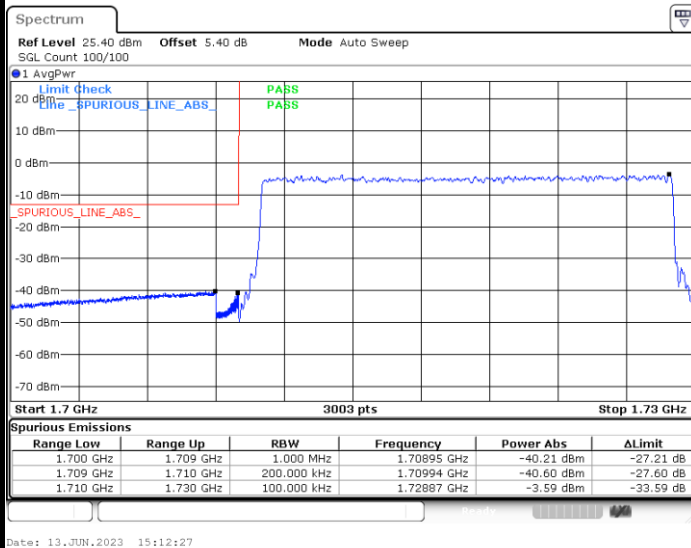
Lowest Band Edge / 1 RB



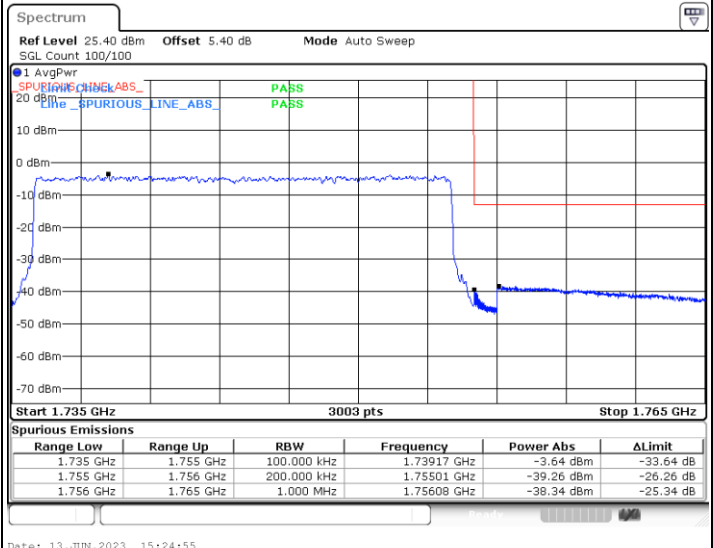
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

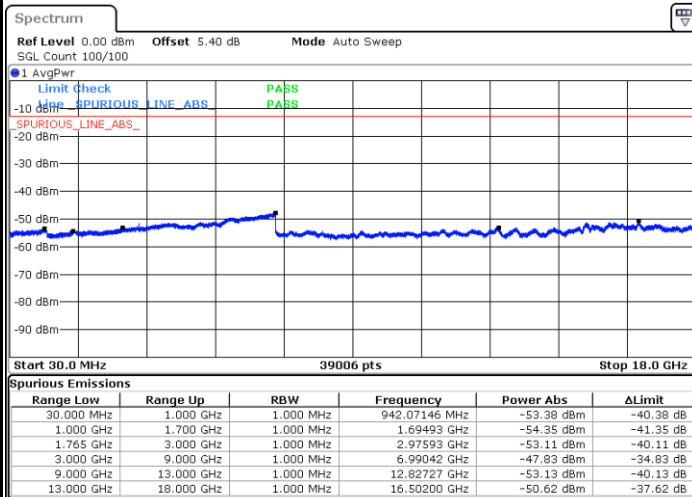




Conducted Spurious Emission

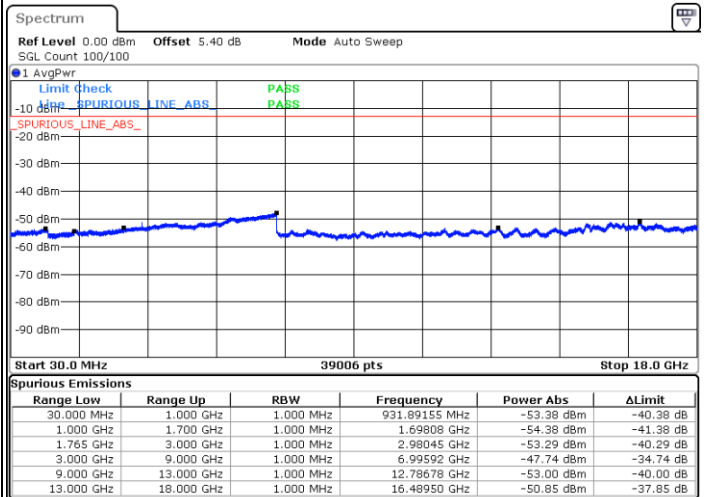
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



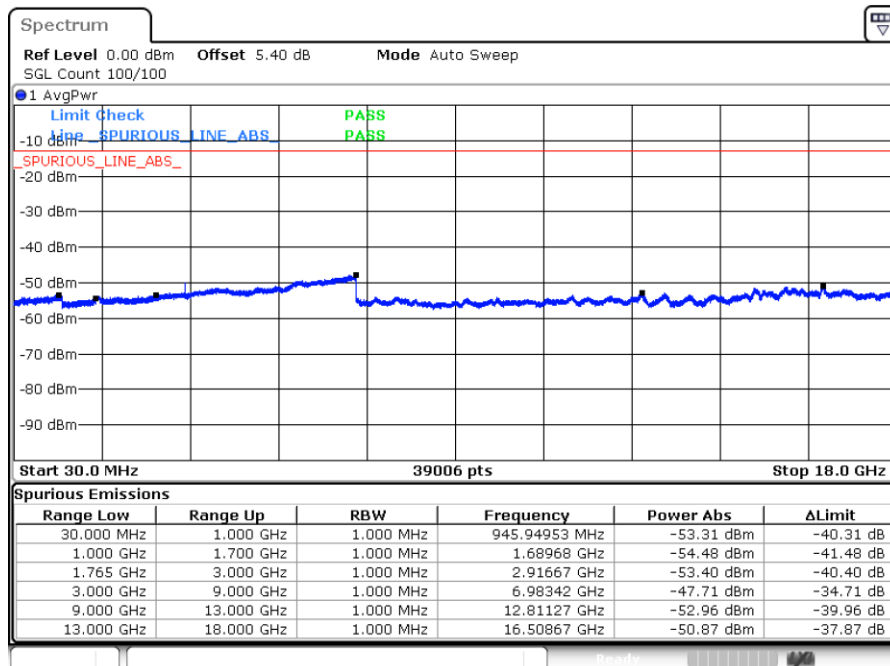
Date: 13.JUN.2023 11:44:35

Middle Channel / QPSK



Date: 13.JUN.2023 12:00:37

Highest Channel / QPSK

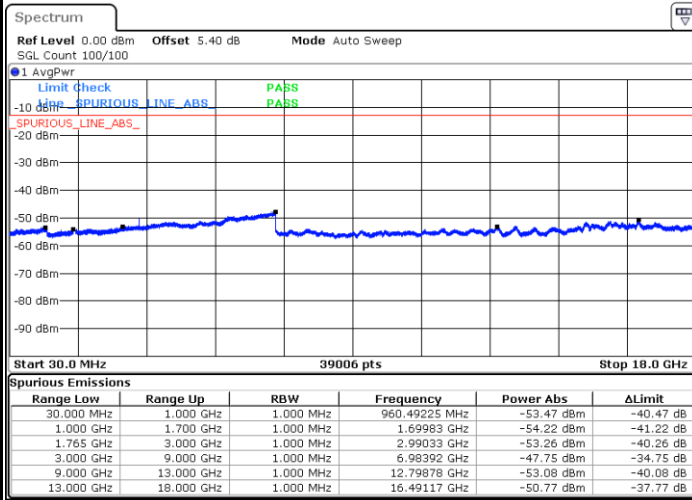


Date: 13.JUN.2023 12:02:43



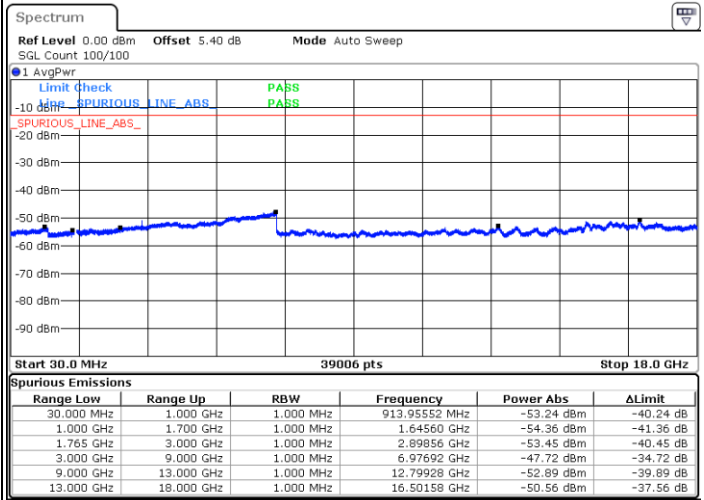
LTE Band 4 / 3MHz

Lowest Channel / QPSK



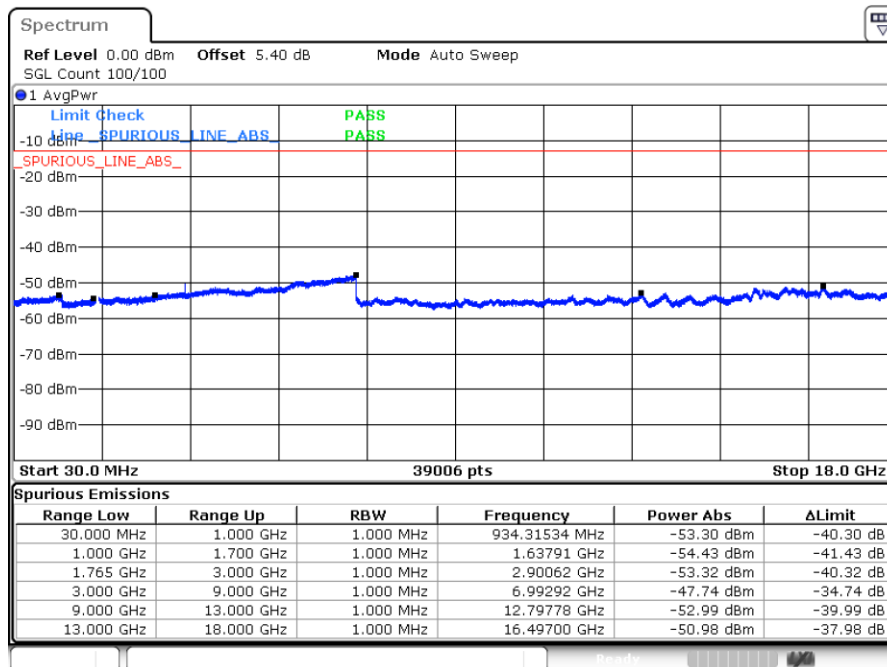
Date: 13.JUN.2023 13:28:06

Middle Channel / QPSK



Date: 13.JUN.2023 13:41:51

Highest Channel / QPSK

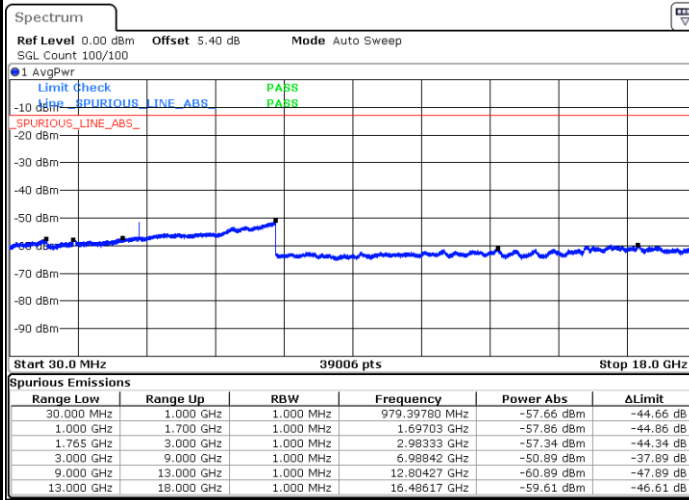


Date: 13.JUN.2023 13:43:57



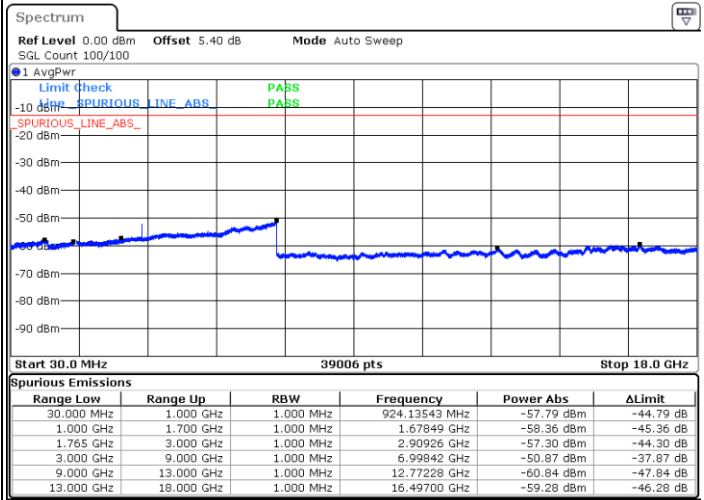
LTE Band 4 / 5MHz

Lowest Channel / QPSK



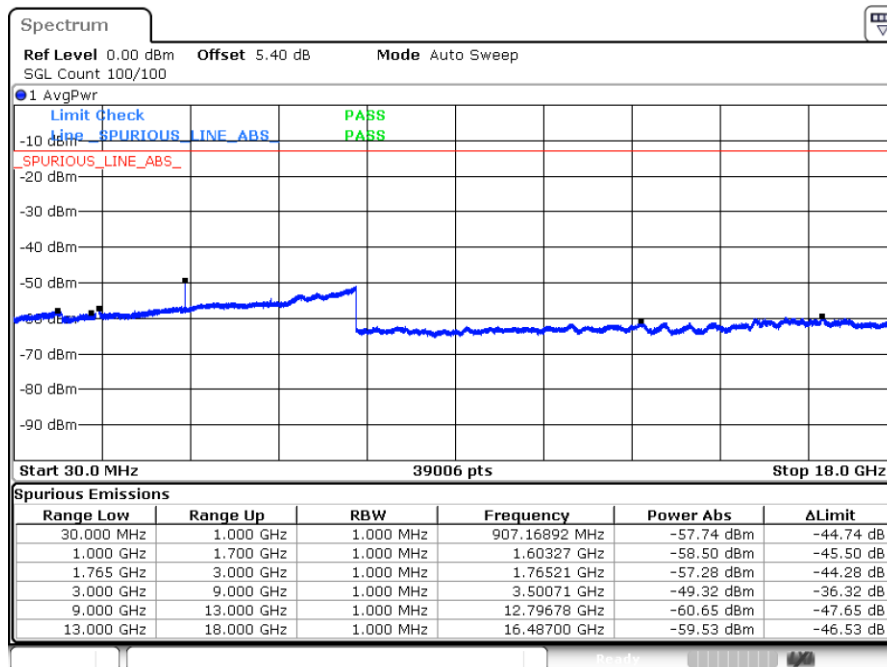
Date: 13.JUN.2023 13:56:39

Middle Channel / QPSK



Date: 13.JUN.2023 14:06:06

Highest Channel / QPSK

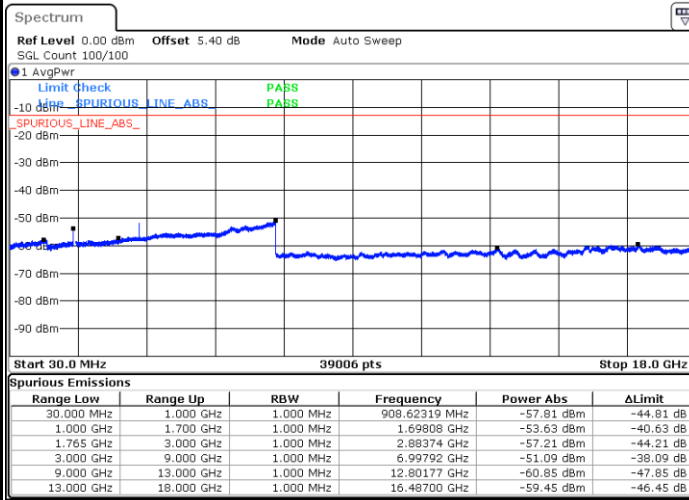


Date: 13.JUN.2023 14:08:11



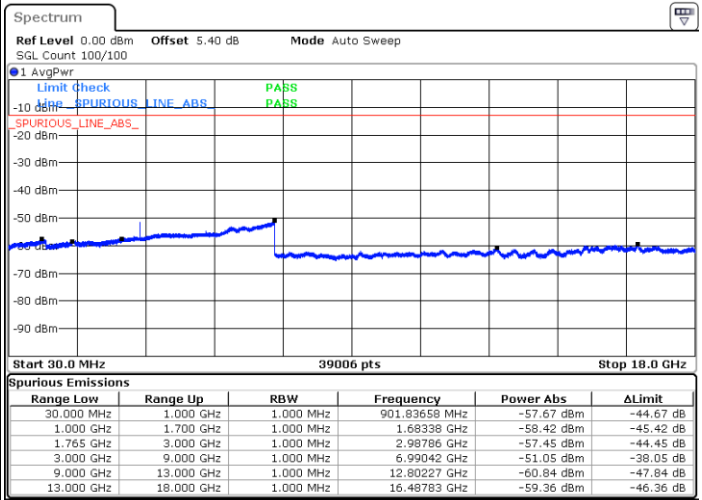
LTE Band 4 / 10MHz

Lowest Channel / QPSK



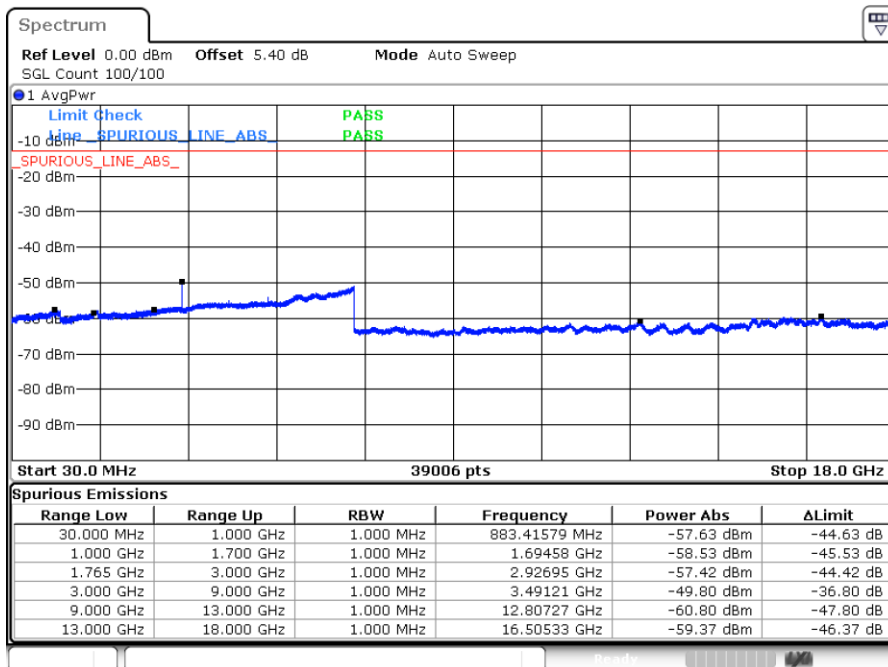
Date: 13.JUN.2023 14:18:20

Middle Channel / QPSK



Date: 13.JUN.2023 14:29:18

Highest Channel / QPSK

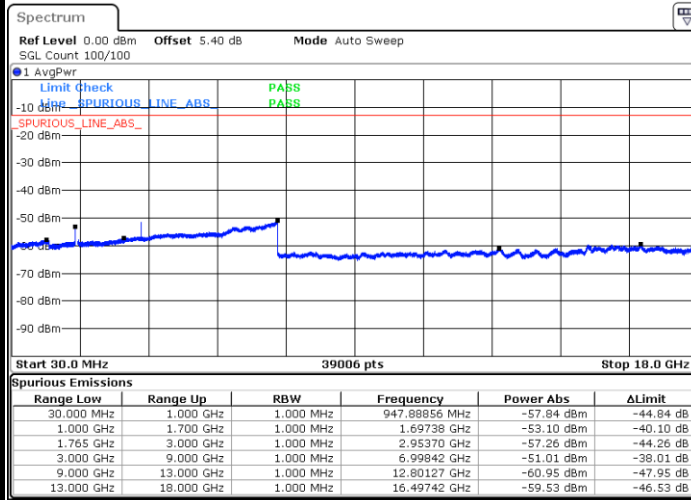


Date: 13.JUN.2023 14:31:24



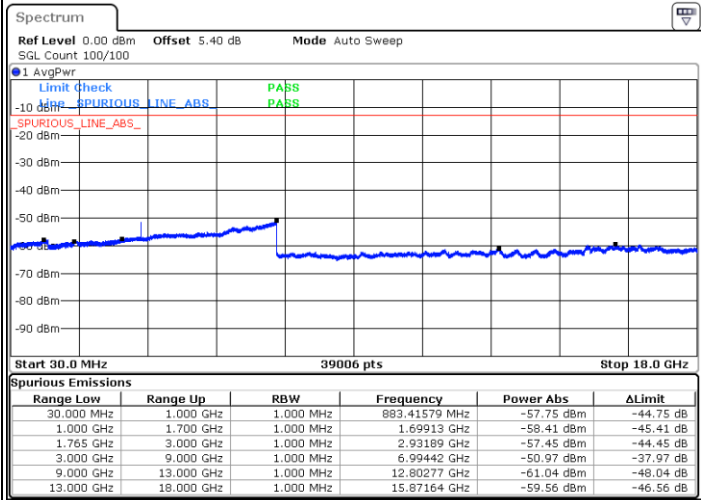
LTE Band 4 / 15MHz

Lowest Channel / QPSK



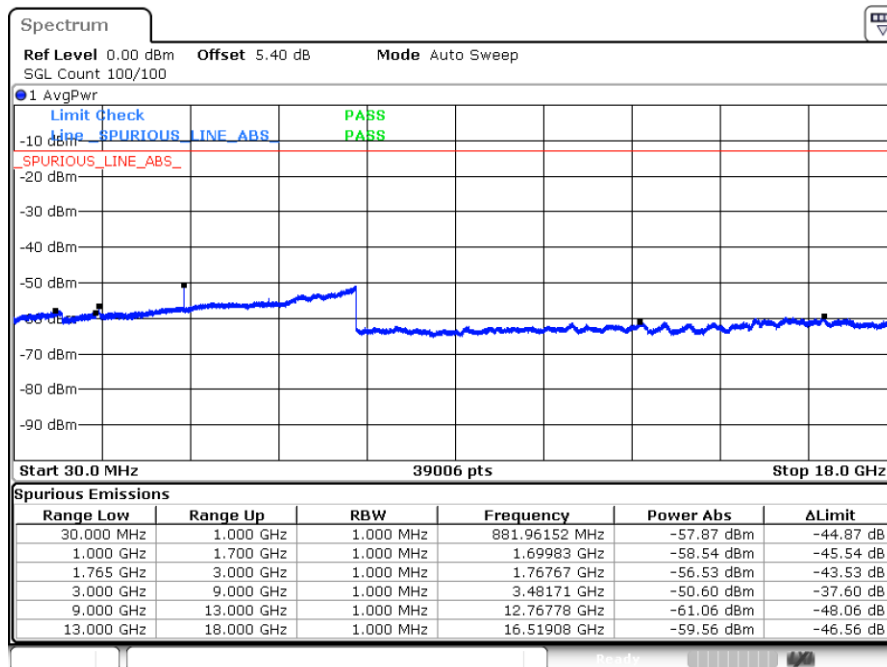
Date: 13.JUN.2023 14:41:14

Middle Channel / QPSK



Date: 13.JUN.2023 14:51:57

Highest Channel / QPSK

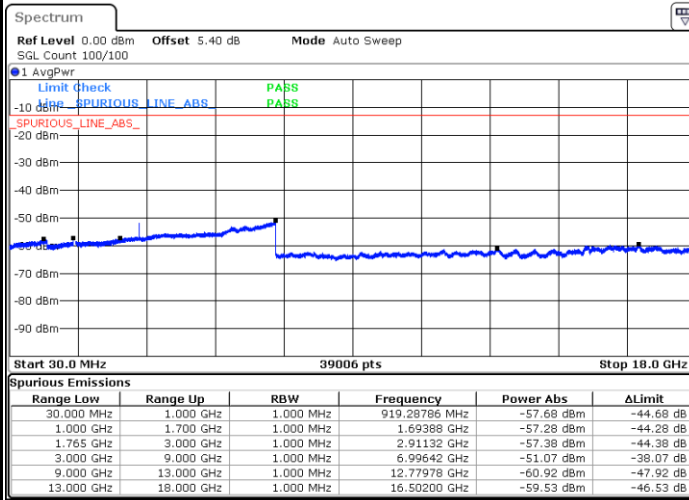


Date: 13.JUN.2023 14:54:03



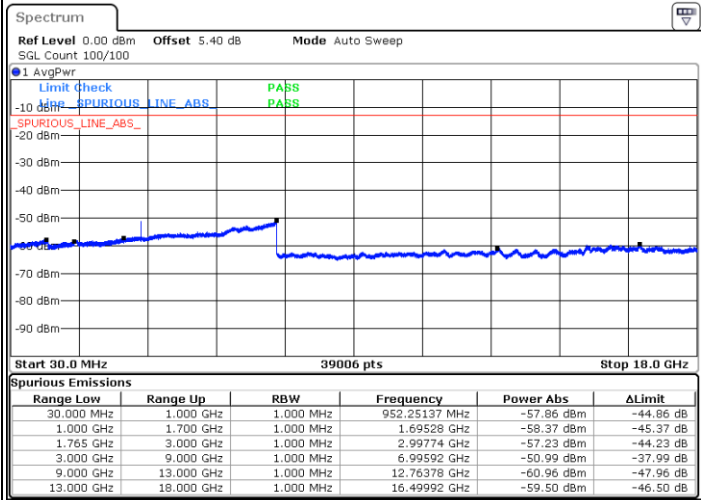
LTE Band 4 / 20MHz

Lowest Channel / QPSK



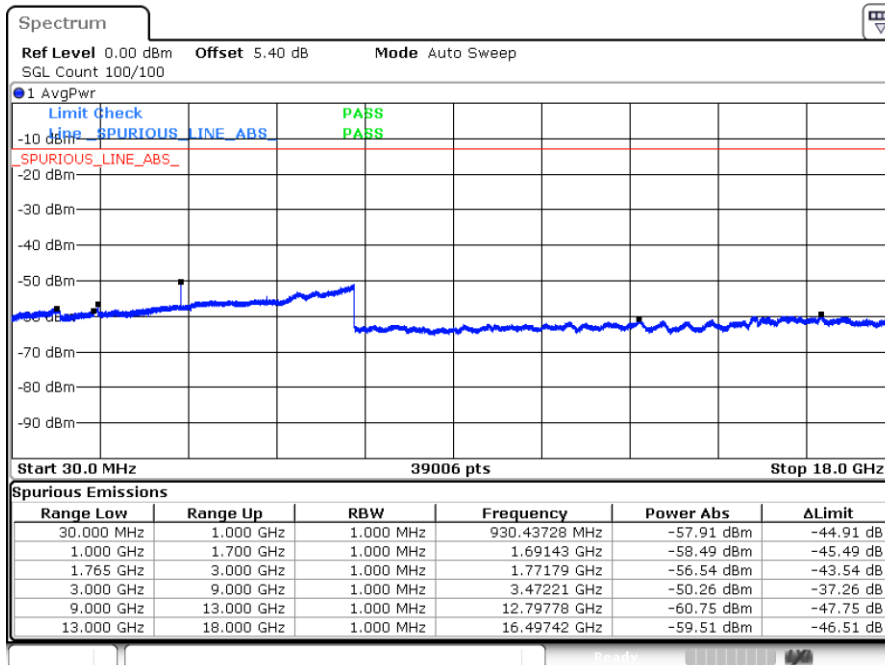
Date: 13.JUN.2023 15:06:06

Middle Channel / QPSK



Date: 13.JUN.2023 15:16:30

Highest Channel / QPSK



Date: 13.JUN.2023 15:18:36

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0038	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0039	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 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 :	Carry Xu	Temperature :	22~23°C
		Relative Humidity :	40~42%

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

LTE Band 4 / 20MHz / QPSK (Ant0)								
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	-58.20	-13	-45.20	-68.94	2.604	13.34	H
	5130	-55.39	-13	-42.39	-65.90	3.011	13.52	H
	6840	-54.86	-13	-41.86	-65.06	3.271	13.47	H
	3420	-58.14	-13	-45.14	-68.88	2.604	13.34	V
	5130	-55.50	-13	-42.50	-66.01	3.011	13.52	V
	6840	-54.59	-13	-41.59	-64.79	3.271	13.47	V
Middle	3447	-57.72	-13	-44.72	-68.46	2.604	13.34	H
	5169	-54.97	-13	-41.97	-65.48	3.011	13.52	H
	6888	-54.60	-13	-41.60	-64.80	3.271	13.47	H
	3447	-58.23	-13	-45.23	-68.97	2.604	13.34	V
	5169	-55.15	-13	-42.15	-65.66	3.011	13.52	V
	6888	-54.51	-13	-41.51	-64.71	3.271	13.47	V
Highest	3465	-57.85	-13	-44.85	-68.59	2.604	13.34	H
	5205	-54.85	-13	-41.85	-65.36	3.011	13.52	H
	6945	-54.34	-13	-41.34	-64.54	3.271	13.47	H
	3465	-58.32	-13	-45.32	-69.06	2.604	13.34	V
	5205	-54.84	-13	-41.84	-65.35	3.011	13.52	V
	6945	-54.27	-13	-41.27	-64.47	3.271	13.47	V

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



LTE Band 4 / 20MHz / QPSK (Ant1) for Other PA								
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	-58.15	-13	-45.15	-68.89	2.604	13.34	H
	5130	-55.10	-13	-42.10	-65.61	3.011	13.52	H
	6840	-54.12	-13	-41.12	-64.32	3.271	13.47	H
	3420	-58.01	-13	-45.01	-68.75	2.604	13.34	V
	5130	-55.41	-13	-42.41	-65.92	3.011	13.52	V
	6840	-54.82	-13	-41.82	-65.02	3.271	13.47	V
Middle	3450	-57.87	-13	-44.87	-68.61	2.604	13.34	H
	5175	-55.25	-13	-42.25	-65.76	3.011	13.52	H
	6900	-54.59	-13	-41.59	-64.79	3.271	13.47	H
	3450	-57.99	-13	-44.99	-68.73	2.604	13.34	V
	5175	-55.09	-13	-42.09	-65.60	3.011	13.52	V
	6900	-54.57	-13	-41.57	-64.77	3.271	13.47	V
Highest	3465	-57.74	-13	-44.74	-68.48	2.604	13.34	H
	5205	-55.07	-13	-42.07	-65.58	3.011	13.52	H
	6945	-54.48	-13	-41.48	-64.68	3.271	13.47	H
	3465	-58.07	-13	-45.07	-68.81	2.604	13.34	V
	5205	-54.65	-13	-41.65	-65.16	3.011	13.52	V
	6945	-54.43	-13	-41.43	-64.63	3.271	13.47	V

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