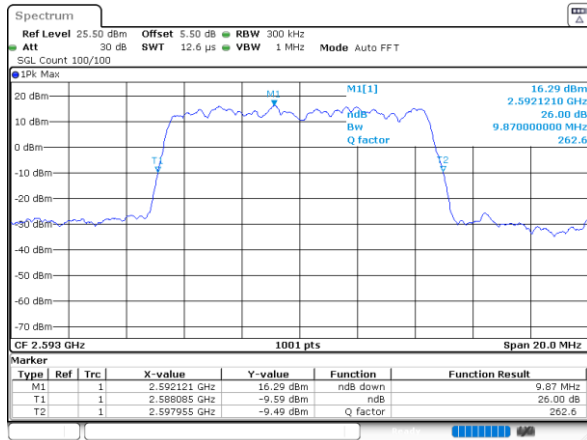


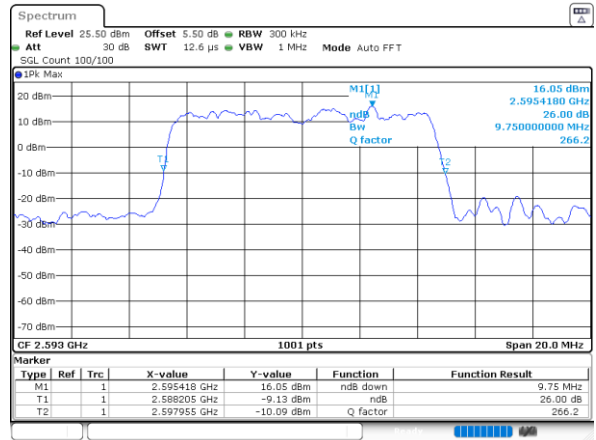


LTE Band 41

Middle Channel / 10MHz / QPSK

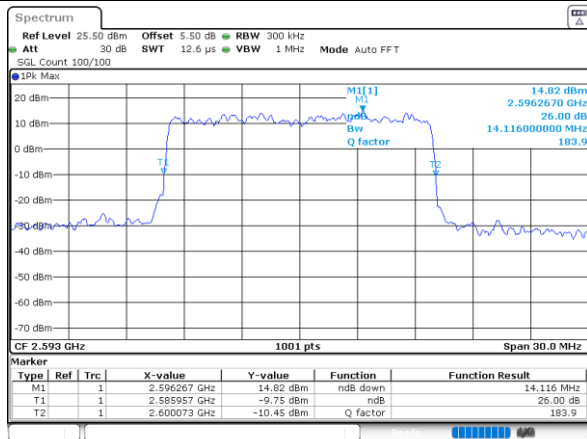


Middle Channel / 10MHz / 16QAM

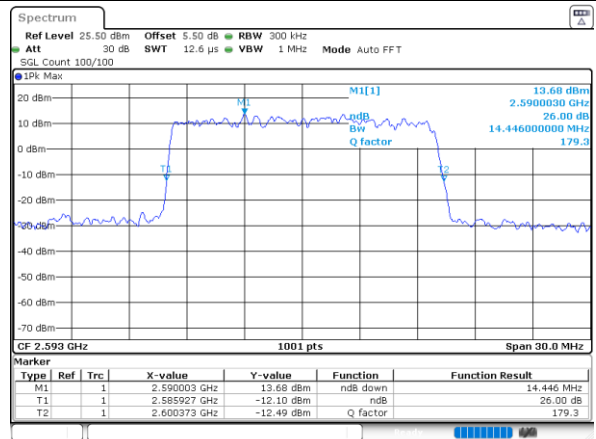


LTE Band 41

Middle Channel / 15MHz / QPSK

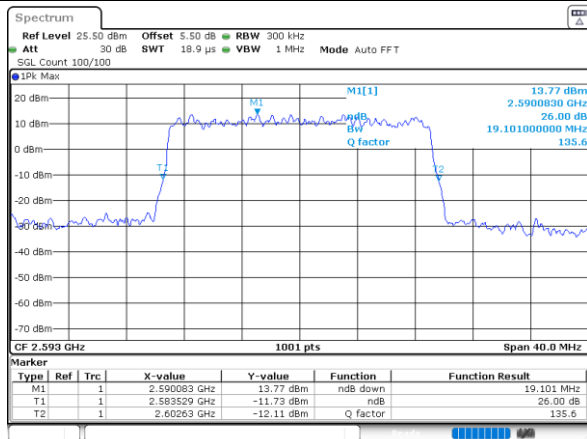


Middle Channel / 15MHz / 16QAM

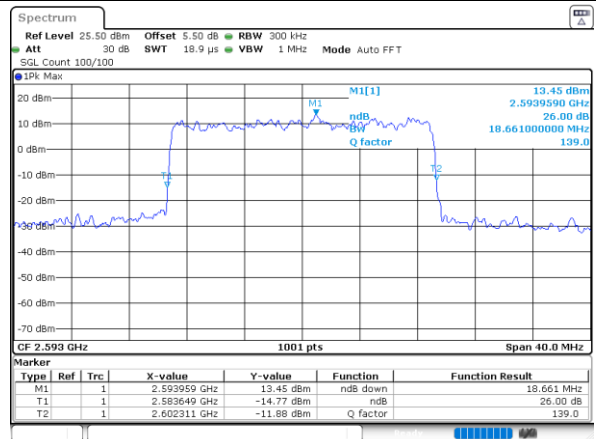


LTE Band 41

Middle Channel / 20MHz / QPSK



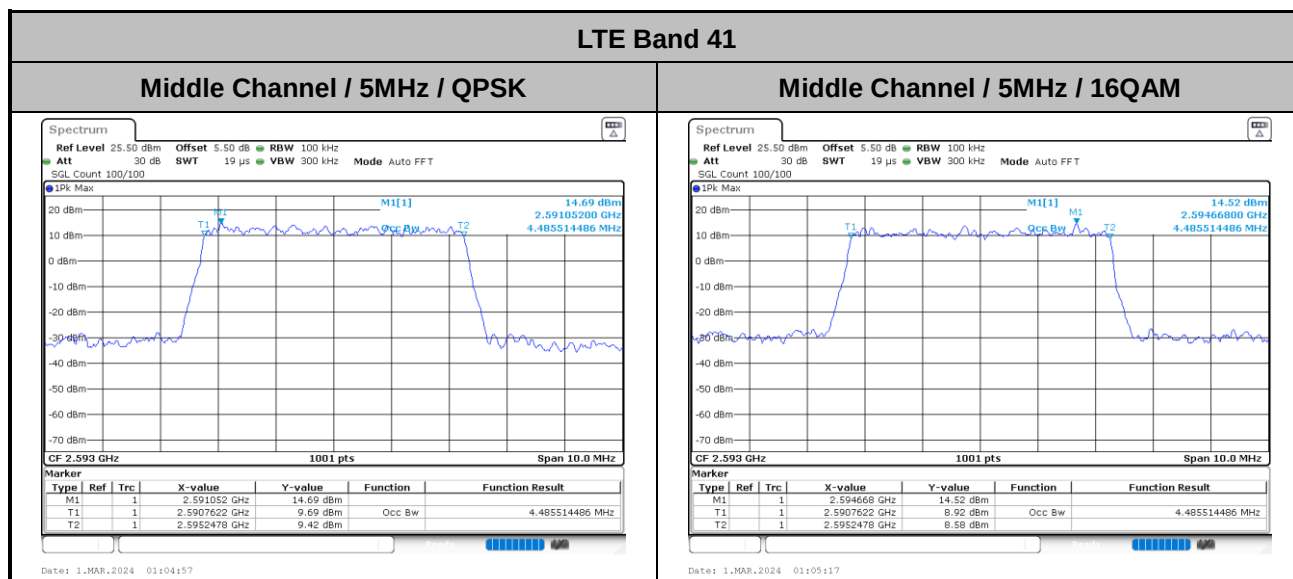
Middle Channel / 20MHz / 16QAM





Occupied Bandwidth

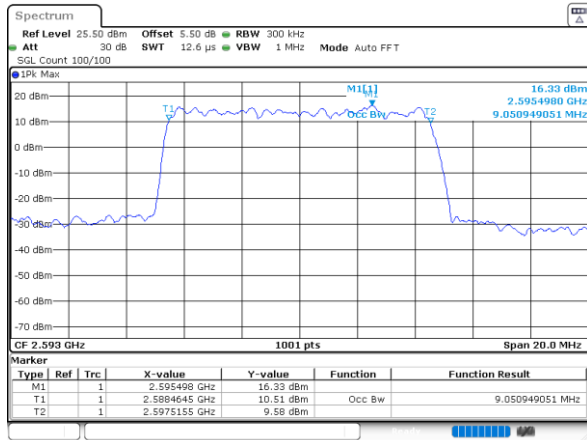
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	8.97
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.37	13.43
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.90





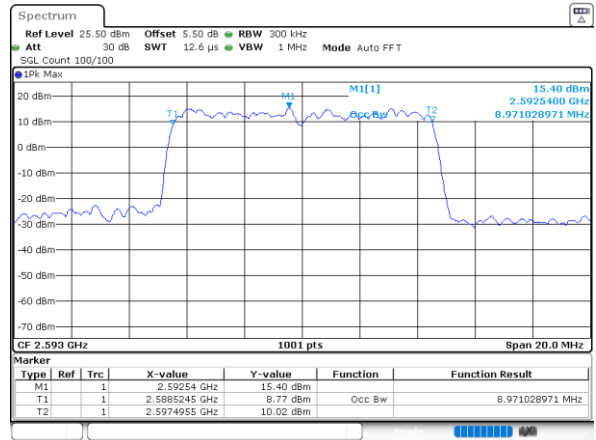
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 1.MAR.2024 01:05:54

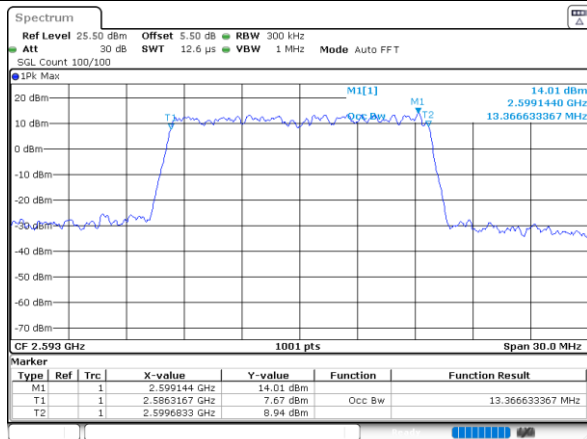
Middle Channel / 10MHz / 16QAM



Date: 1.MAR.2024 01:06:11

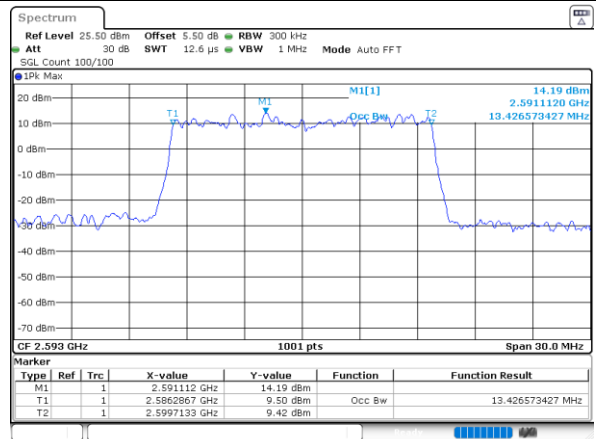
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 1.MAR.2024 02:37:38

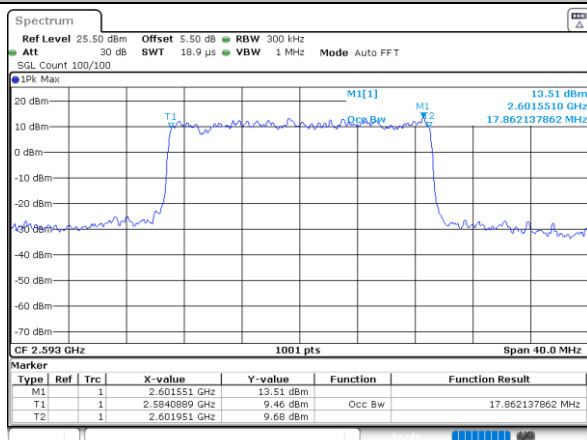
Middle Channel / 15MHz / 16QAM



Date: 1.MAR.2024 02:38:56

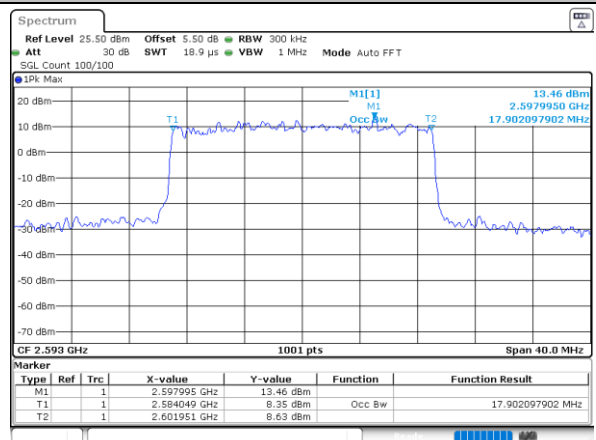
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 1.MAR.2024 03:30:43

Middle Channel / 20MHz / 16QAM



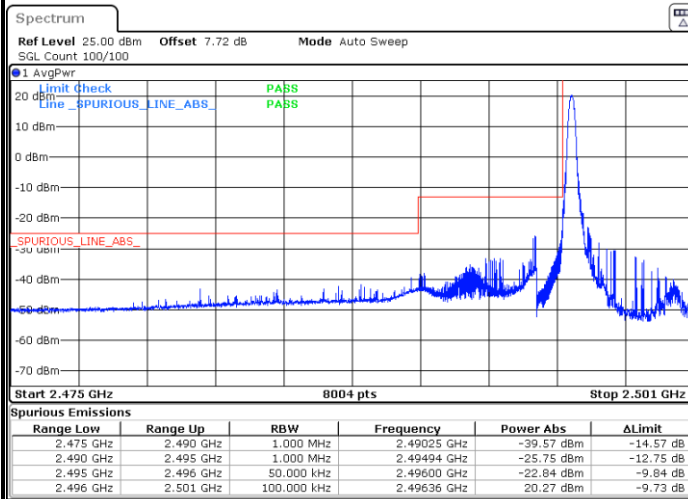
Date: 1.MAR.2024 03:31:11



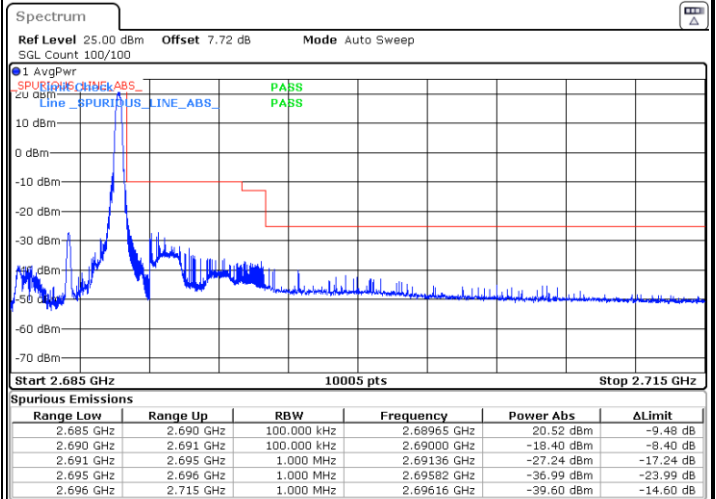
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

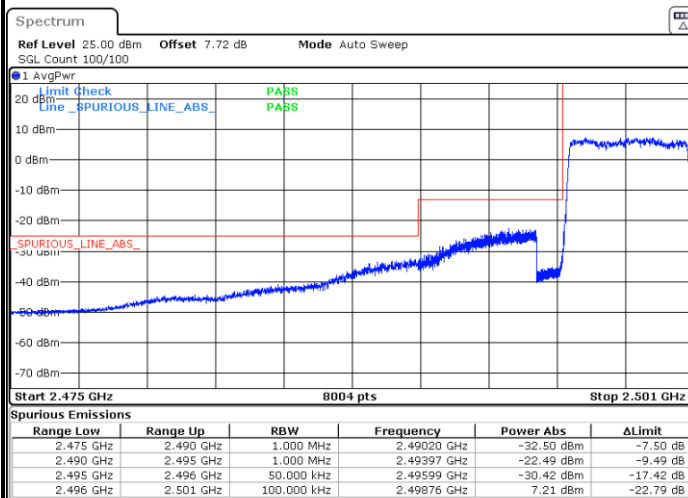
Lowest Band Edge / 1 RB



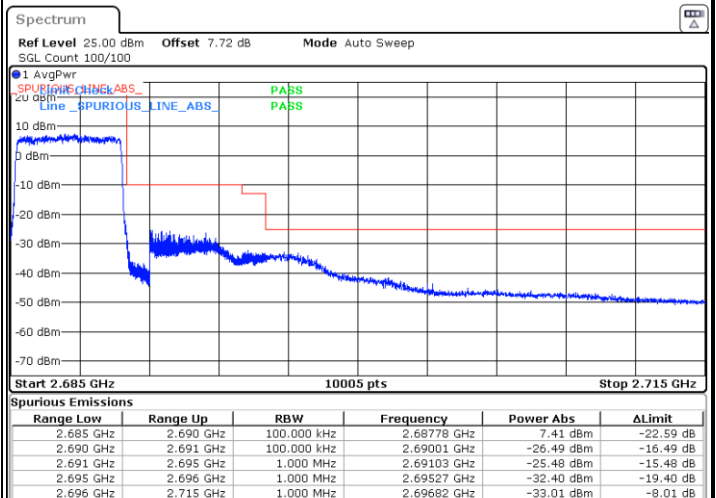
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



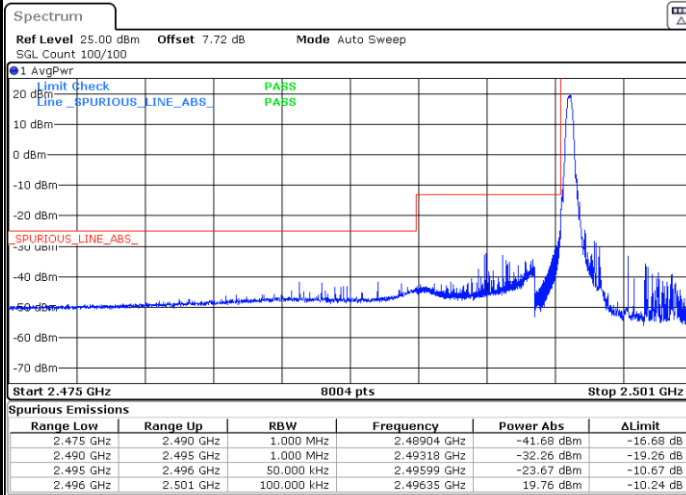
Highest Band Edge / Full RB



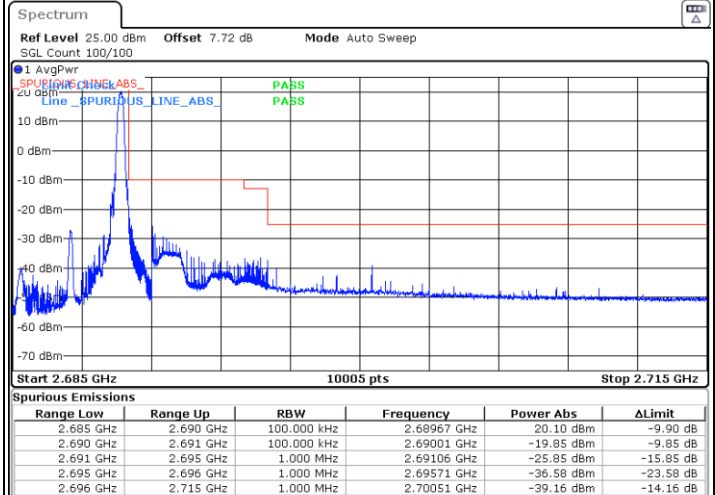


LTE Band 41 / 5MHz / 16QAM

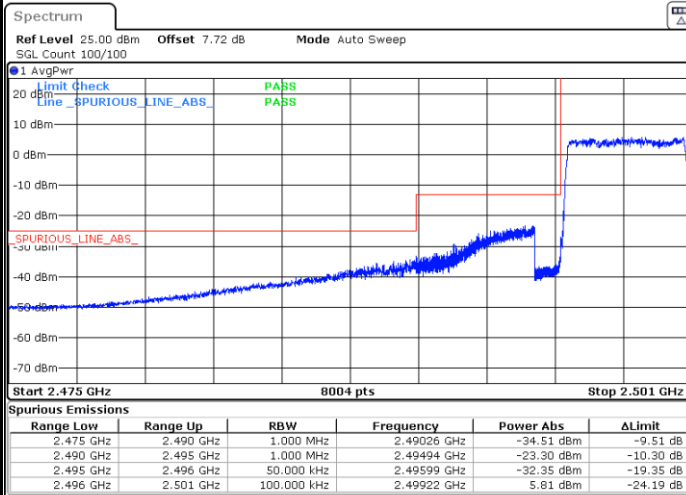
Lowest Band Edge / 1RB



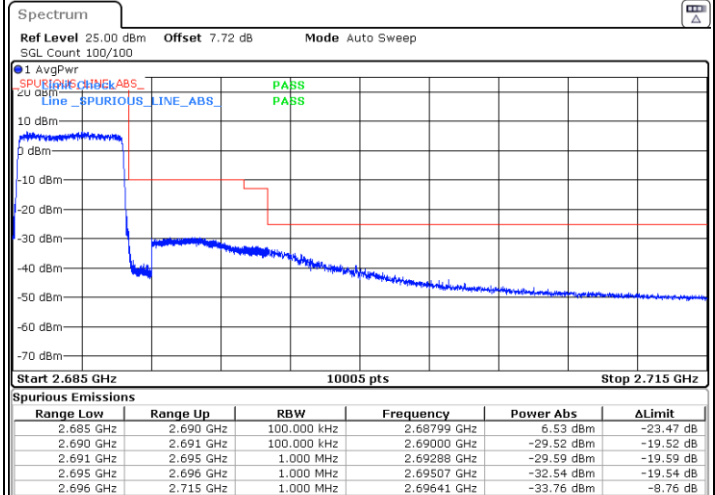
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



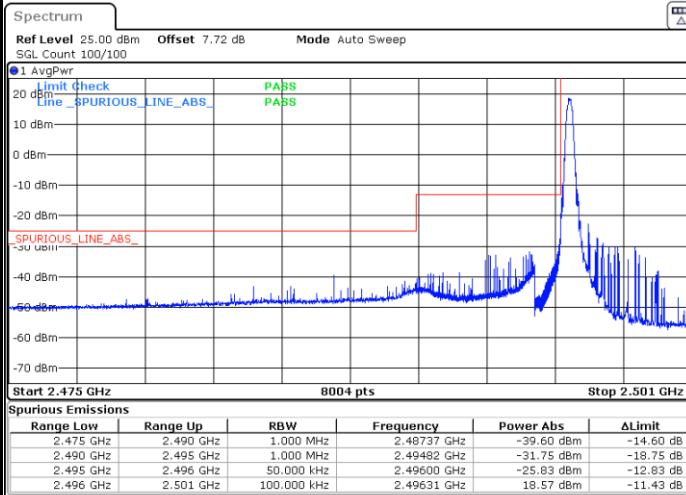
Highest Band Edge / Full RB



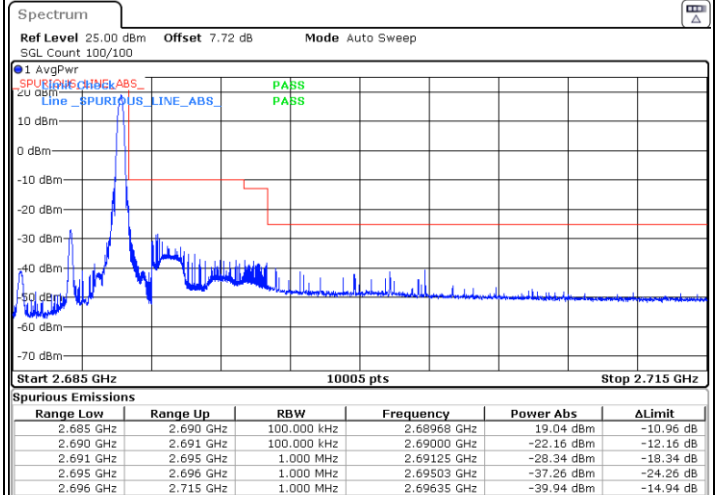


LTE Band 41 / 5MHz / 64QAM

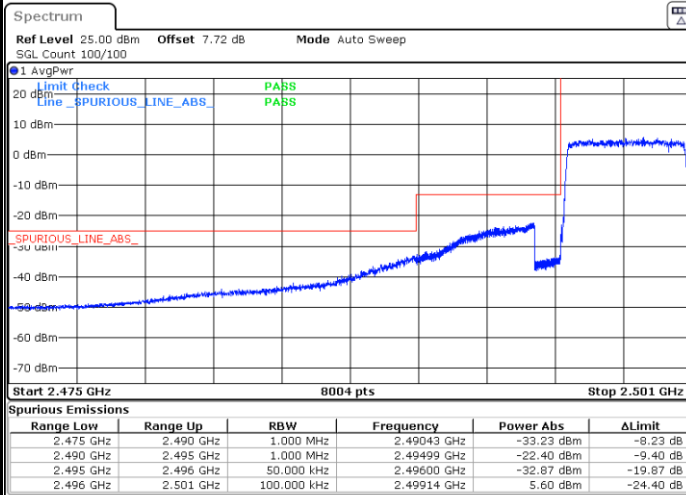
Lowest Band Edge / 1RB



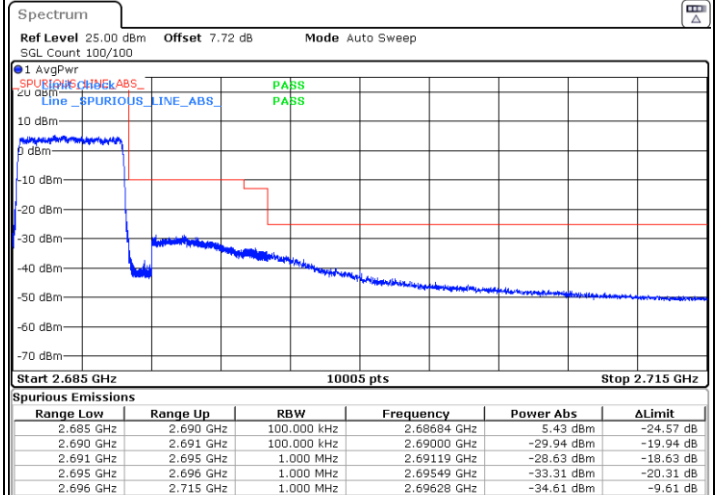
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



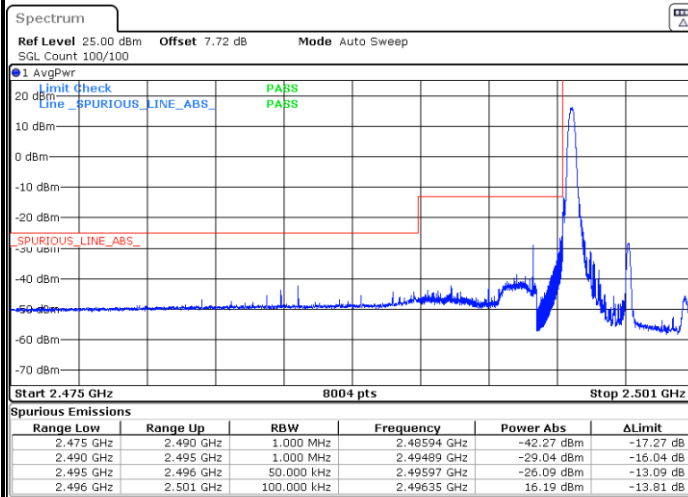
Highest Band Edge / Full RB



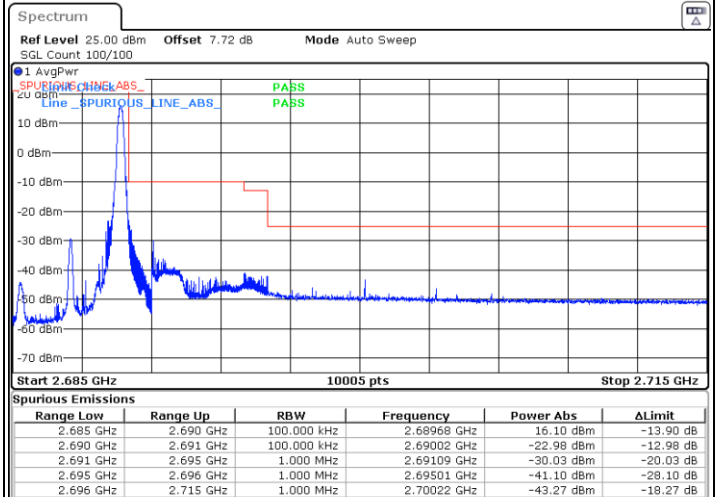


LTE Band 41 / 5MHz / 256QAM

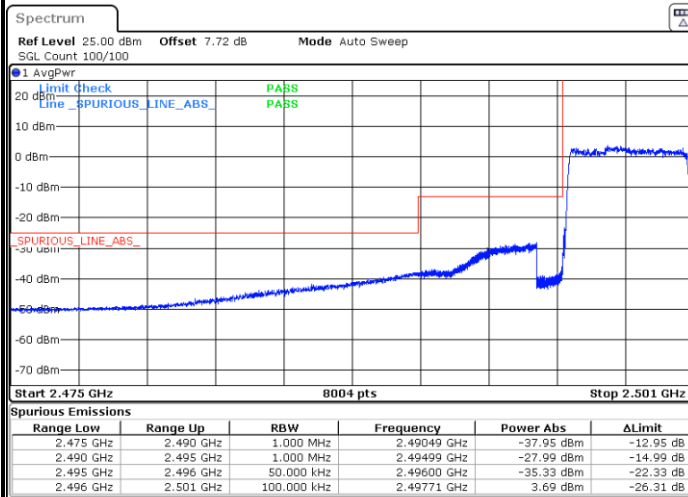
Lowest Band Edge / 1RB



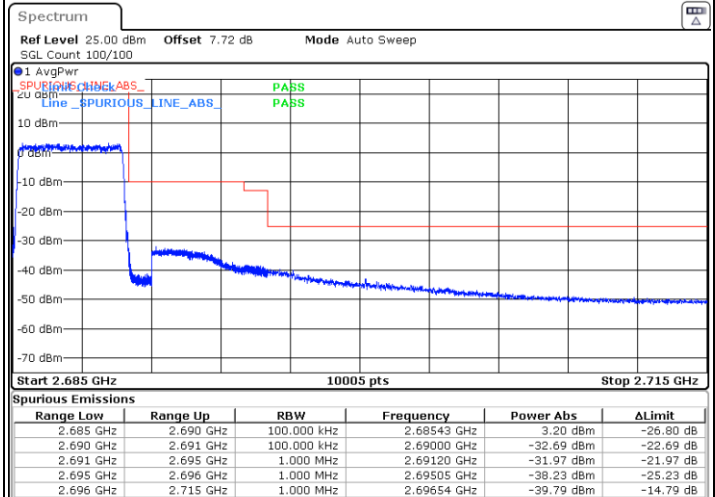
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



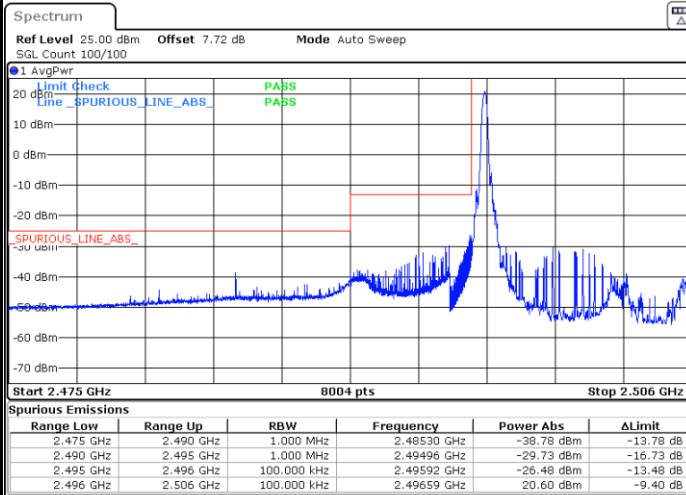
Highest Band Edge / Full RB



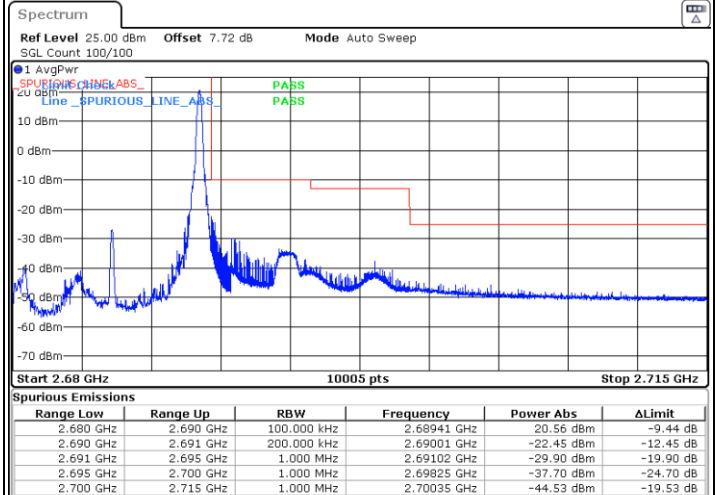


LTE Band 41 / 10MHz / QPSK

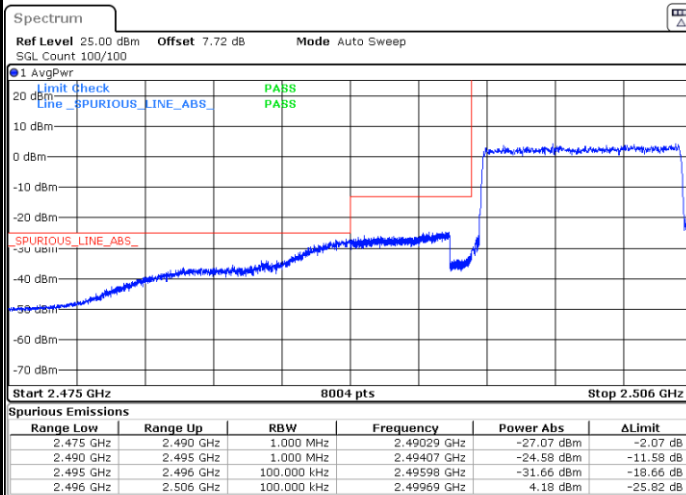
Lowest Band Edge / 1 RB



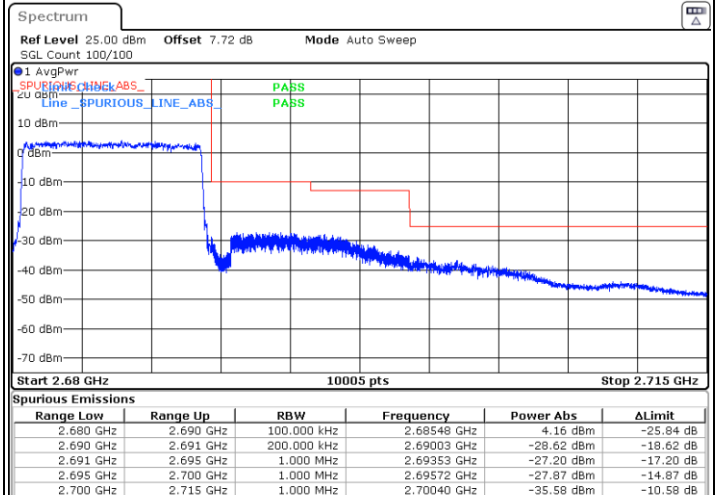
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



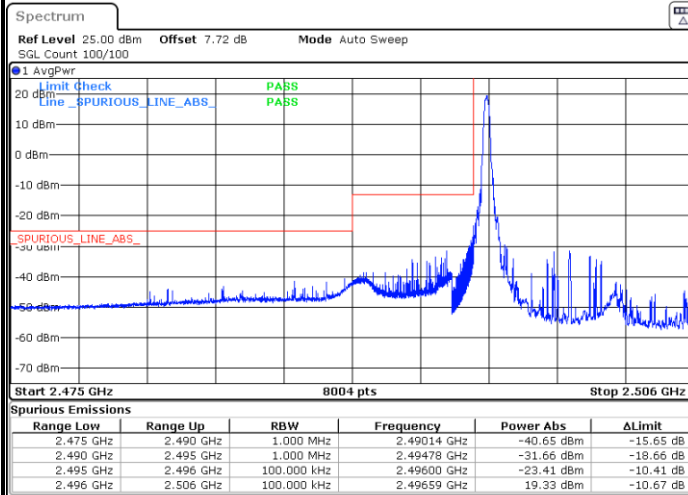
Highest Band Edge / Full RB



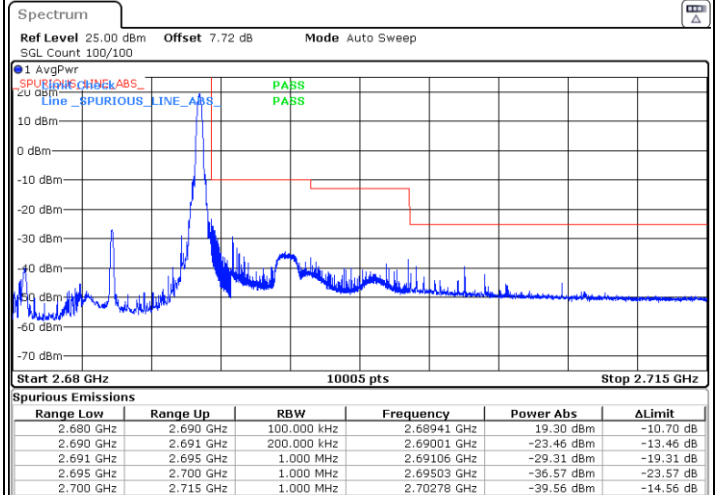


LTE Band 41 / 10MHz / 16QAM

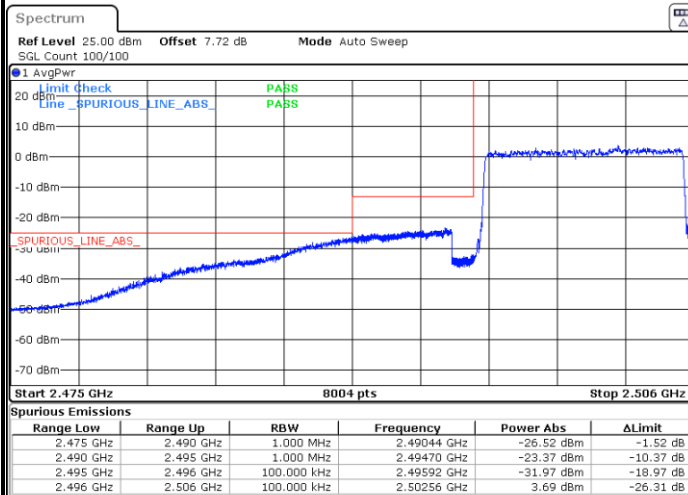
Lowest Band Edge / 1 RB



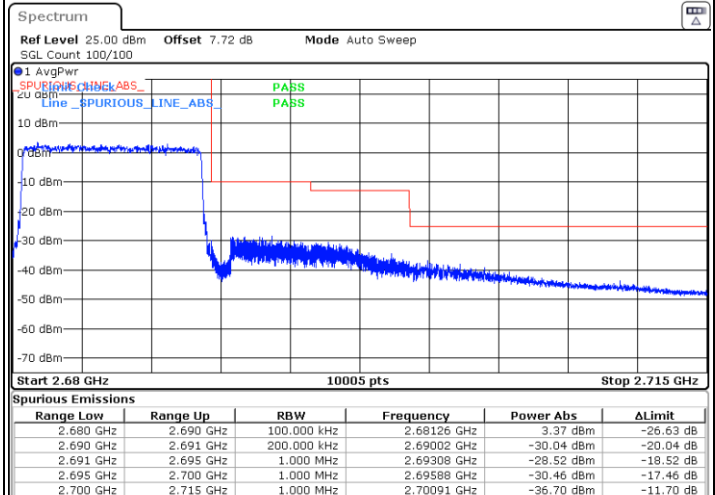
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



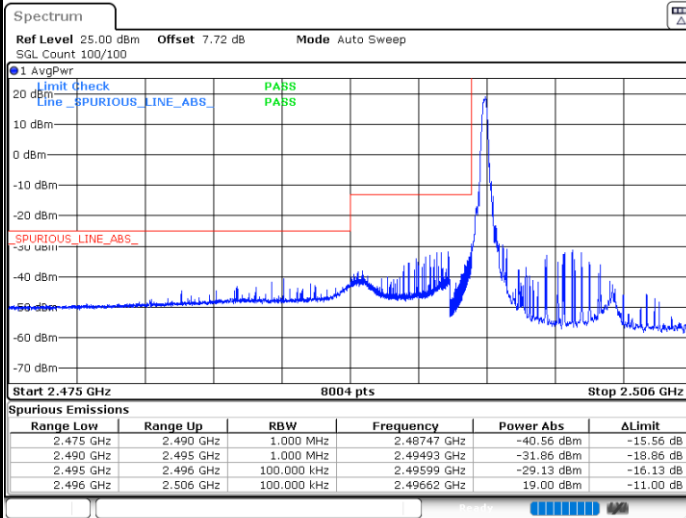
Highest Band Edge / Full RB



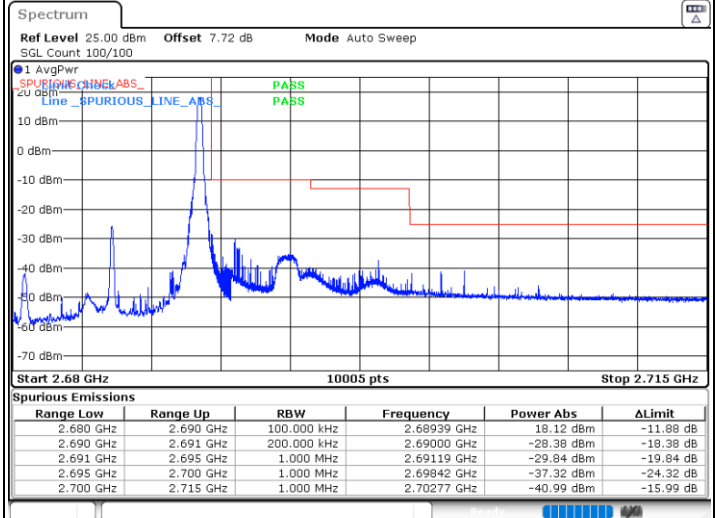


LTE Band 41 / 10MHz / 64QAM

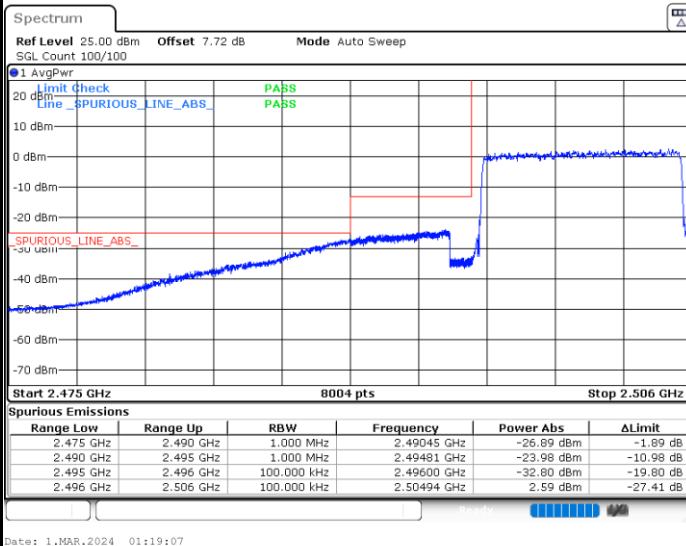
Lowest Band Edge / 1 RB



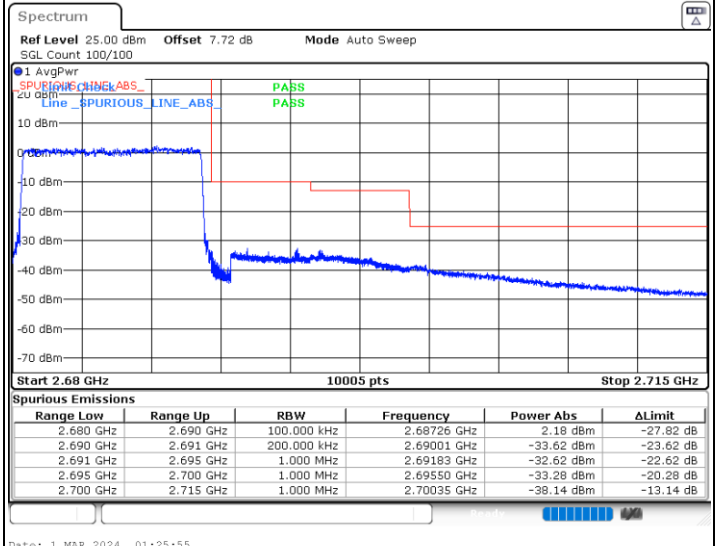
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



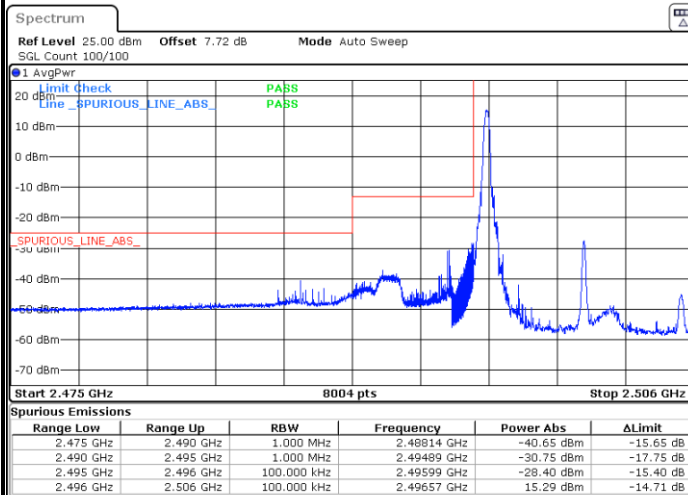
Highest Band Edge / Full RB



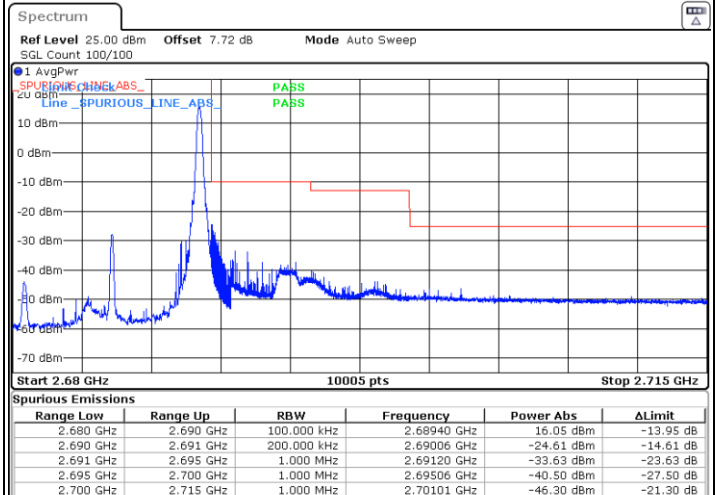


LTE Band 41 / 10MHz / 256QAM

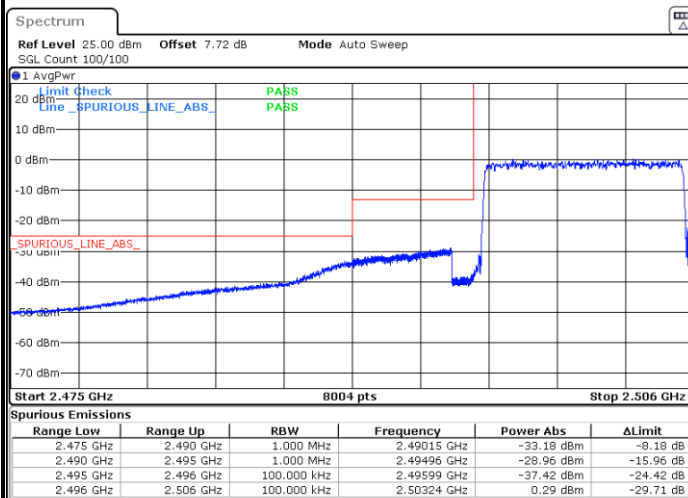
Lowest Band Edge / 1RB



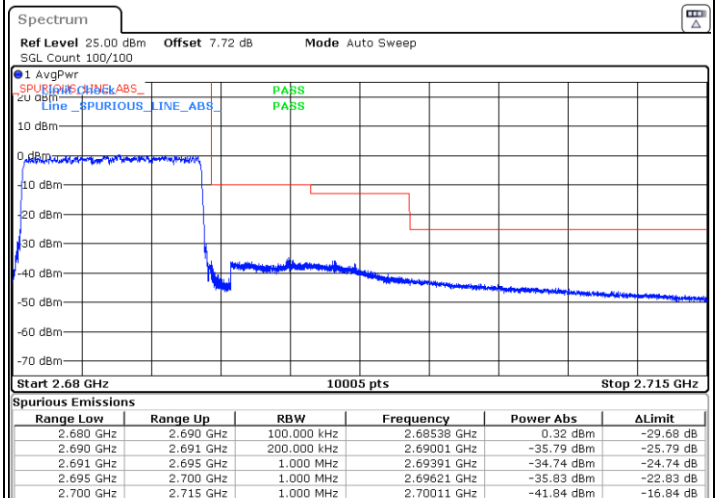
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



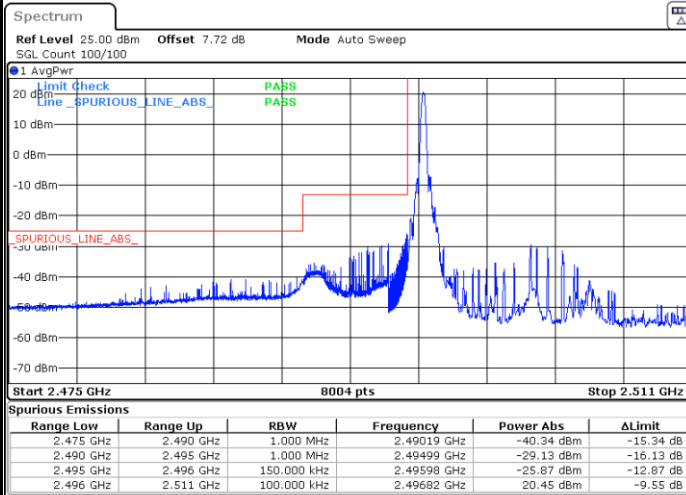
Highest Band Edge / Full RB



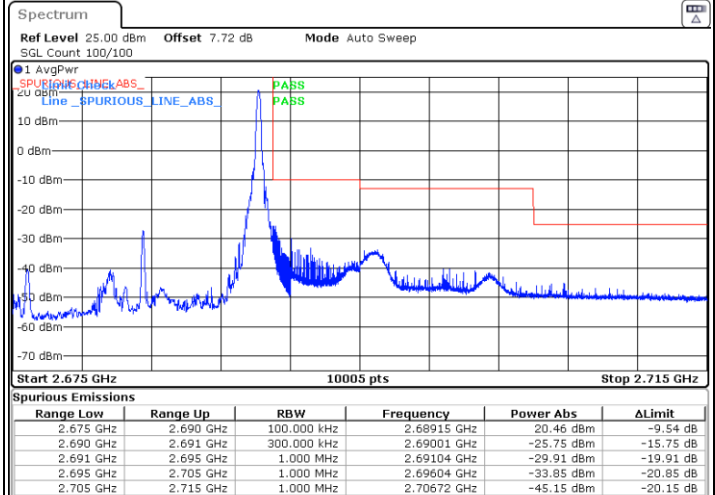


LTE Band 41 / 15MHz / QPSK

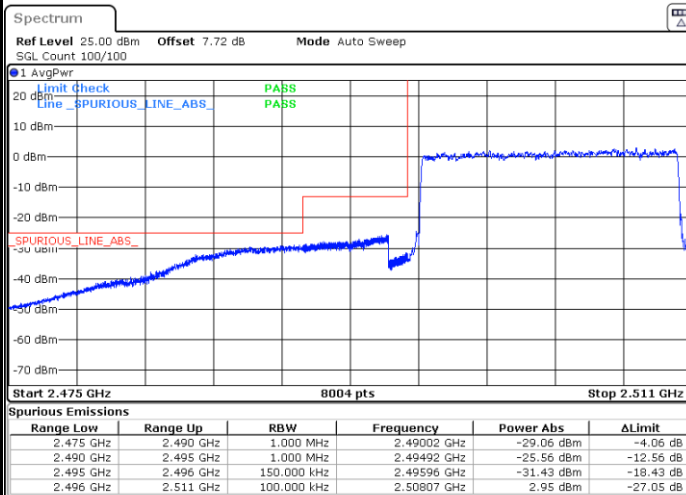
Lowest Band Edge / 1 RB



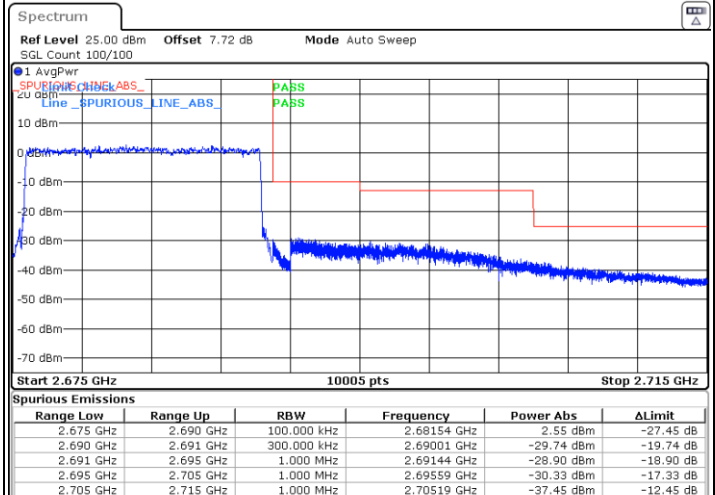
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



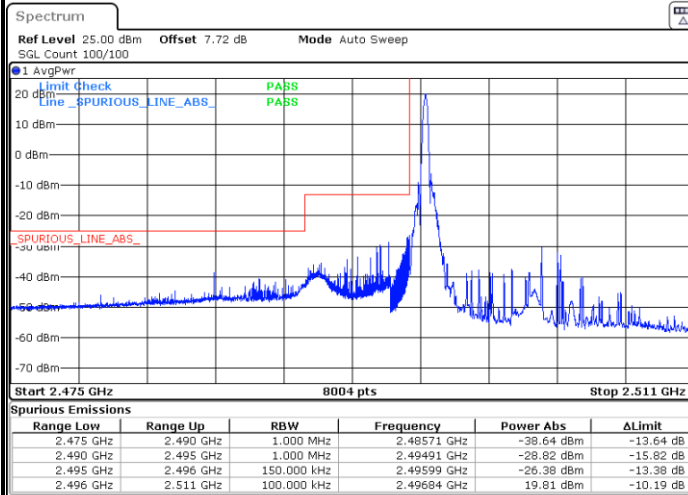
Highest Band Edge / Full RB



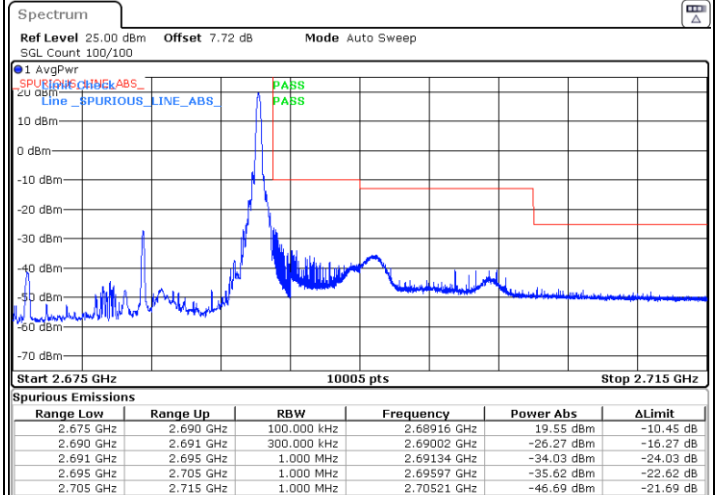


LTE Band 41 / 15MHz / 16QAM

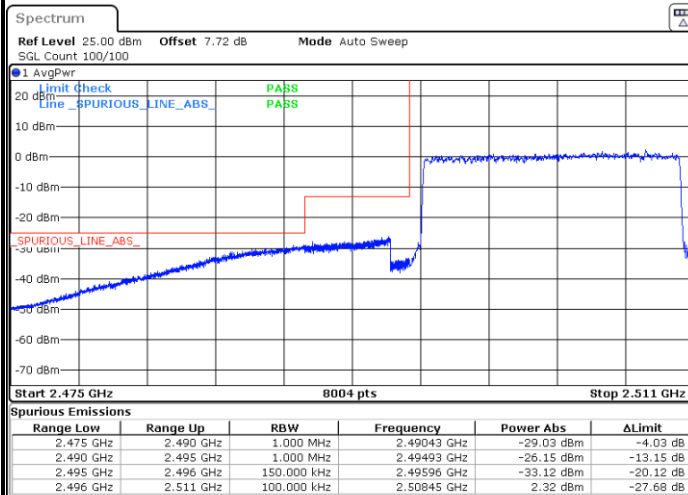
Lowest Band Edge / 1 RB



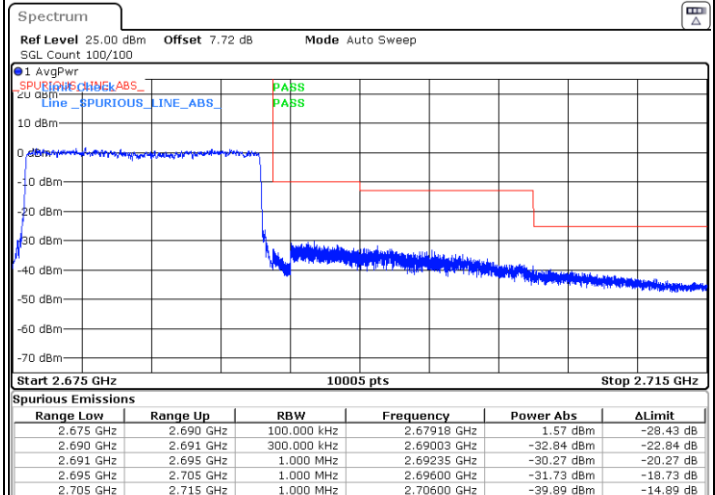
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



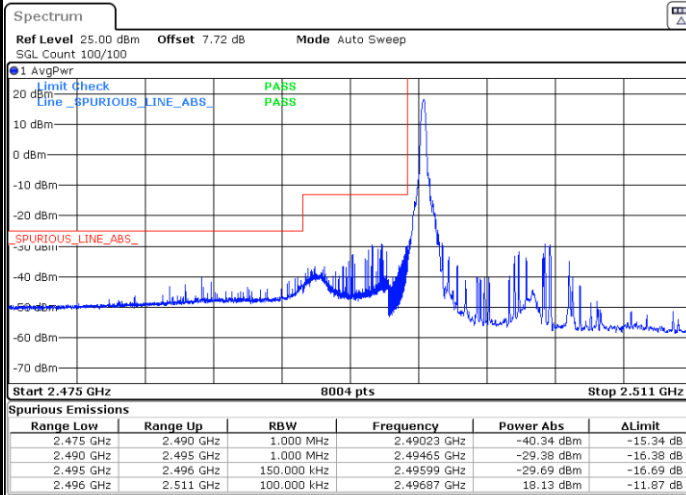
Highest Band Edge / Full RB



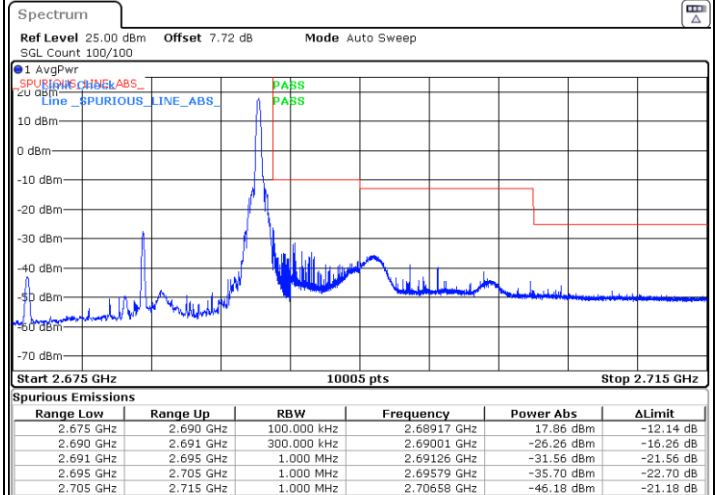


LTE Band 41 / 15MHz / 64QAM

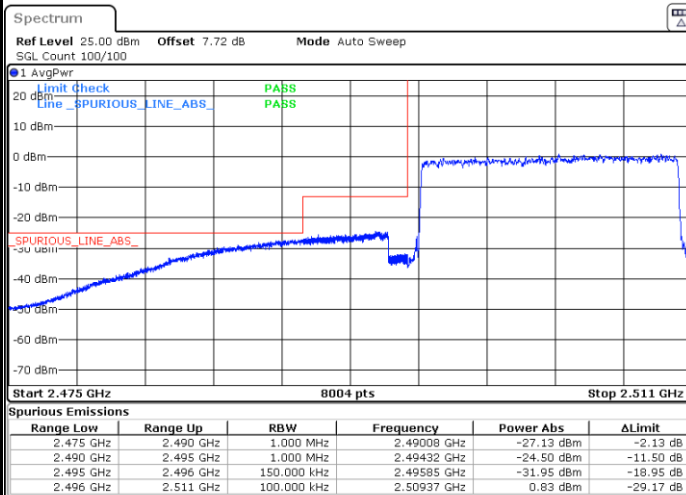
Lowest Band Edge / 1 RB



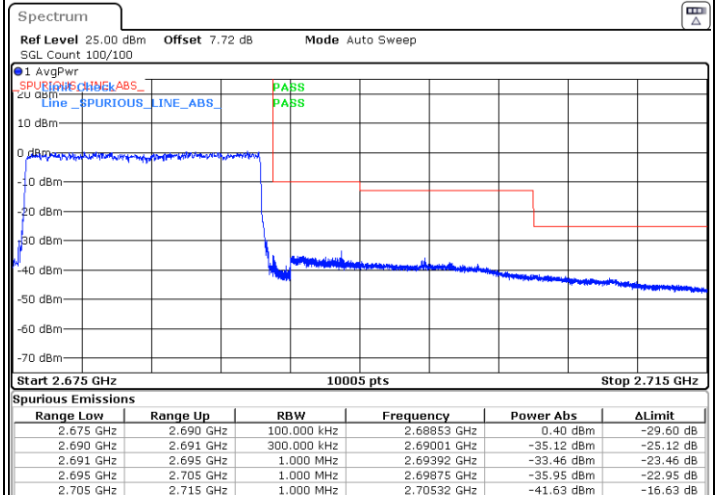
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



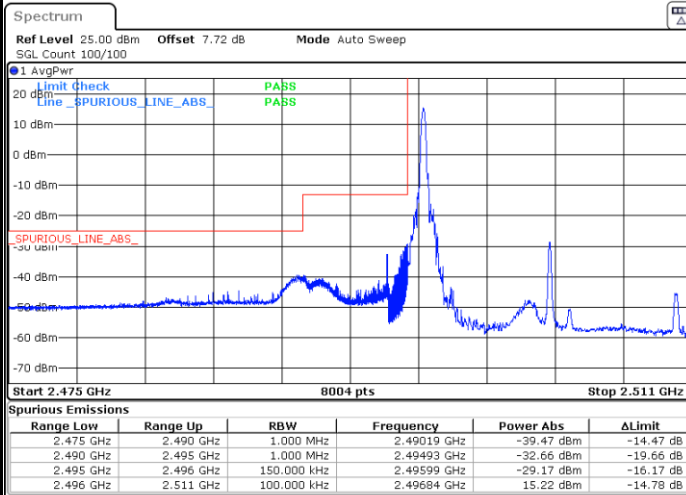
Highest Band Edge / Full RB



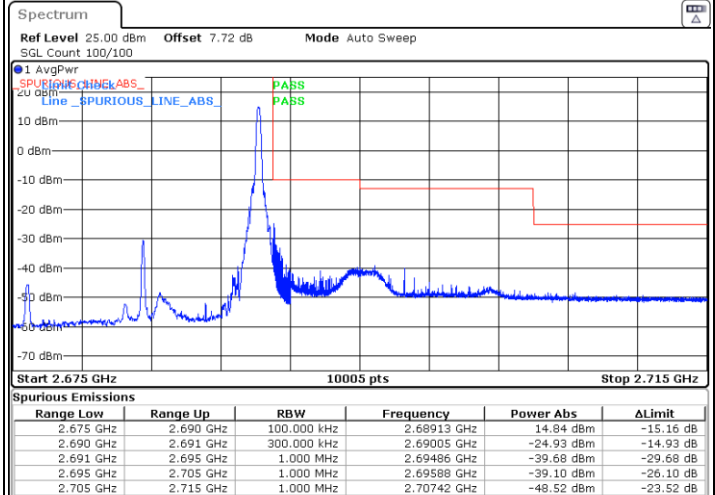


LTE Band 41 / 15MHz / 256QAM

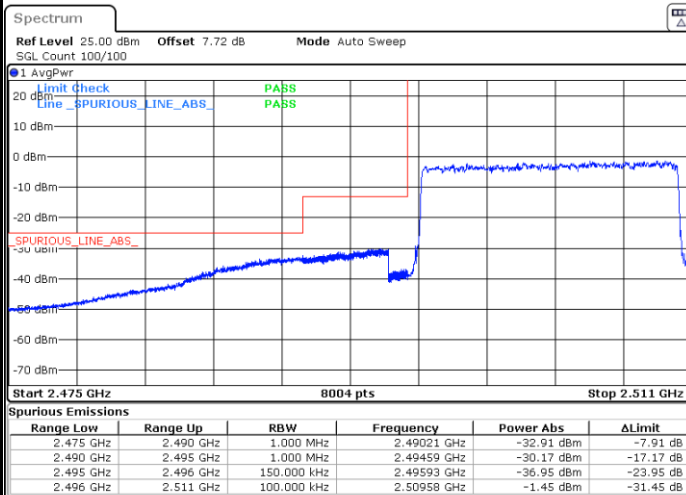
Lowest Band Edge / 1RB



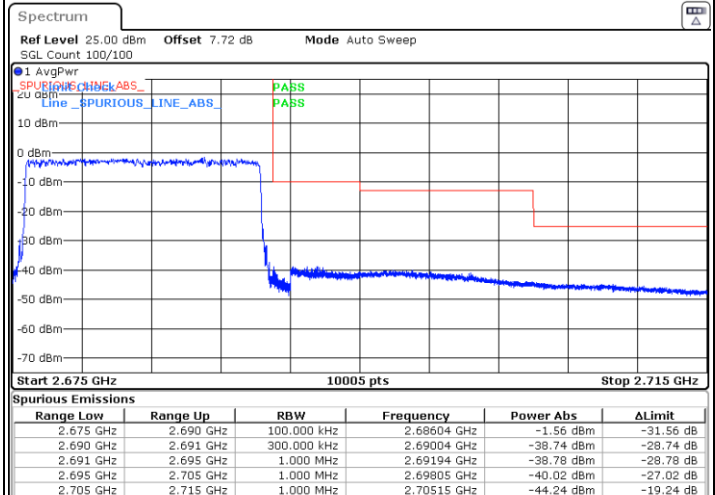
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



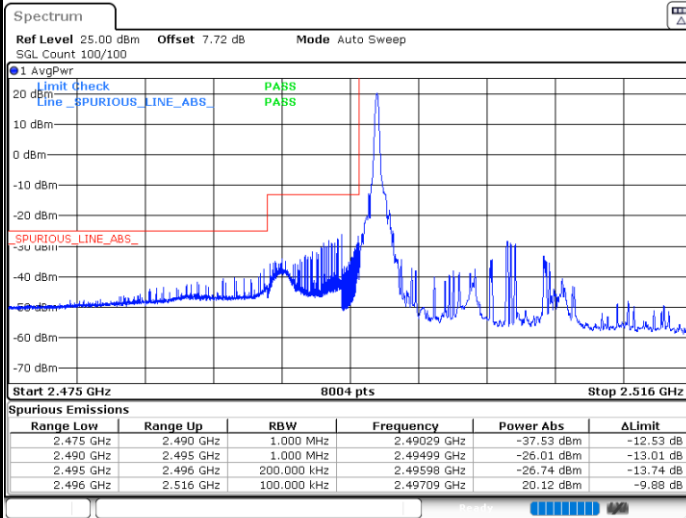
Highest Band Edge / Full RB



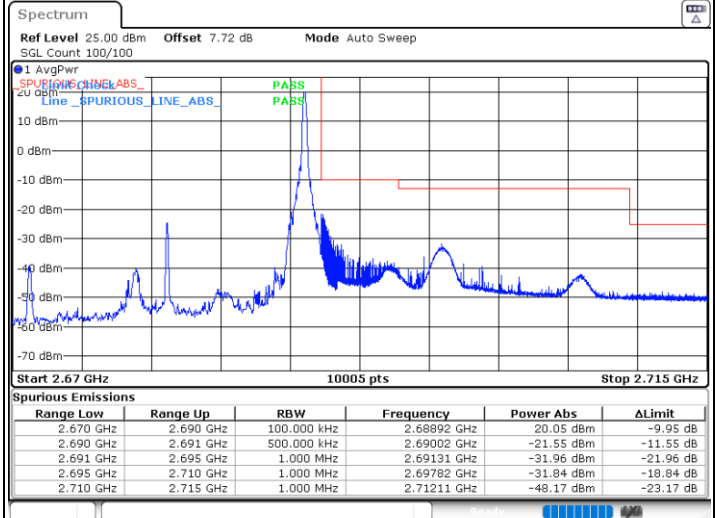


LTE Band 41 / 20MHz / QPSK

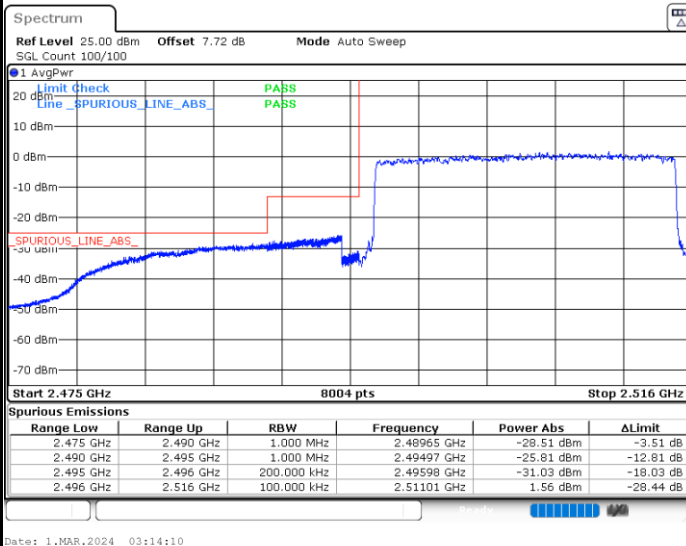
Lowest Band Edge / 1 RB



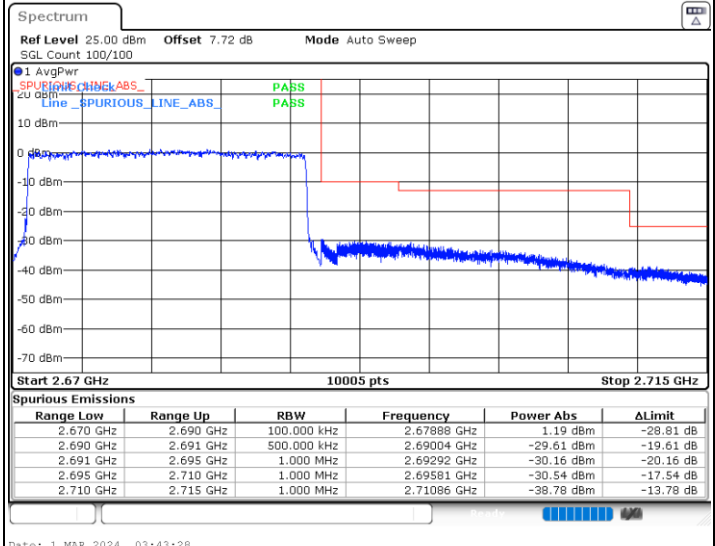
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



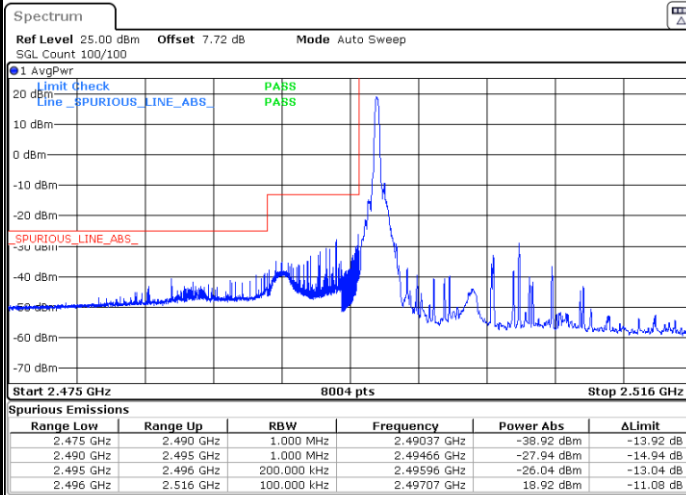
Highest Band Edge / Full RB



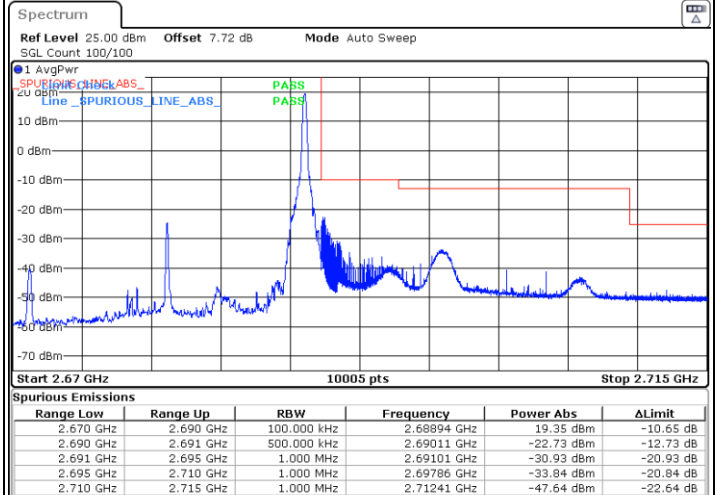


LTE Band 41 / 20MHz / 16QAM

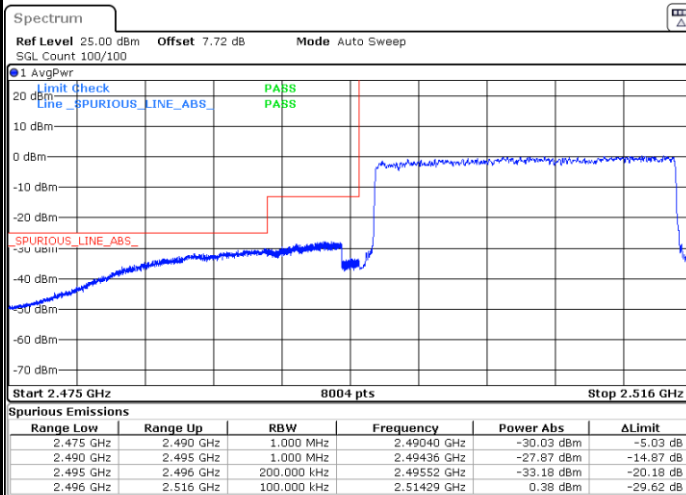
Lowest Band Edge / 1 RB



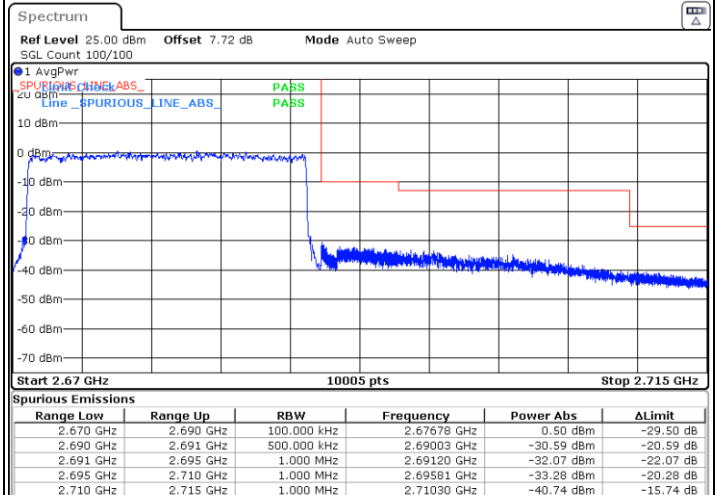
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



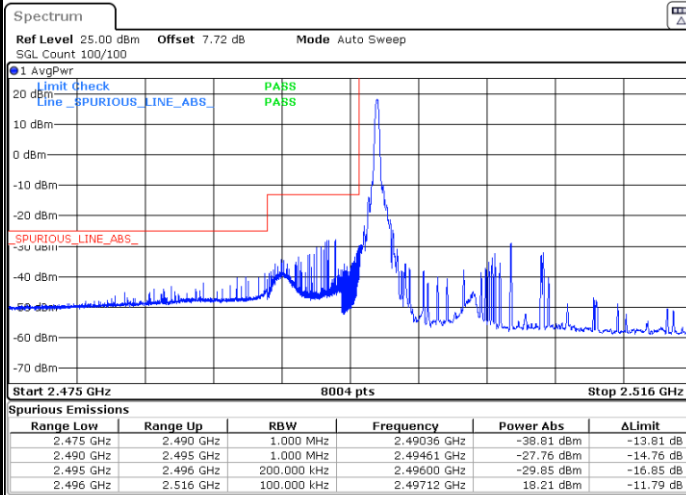
Highest Band Edge / Full RB



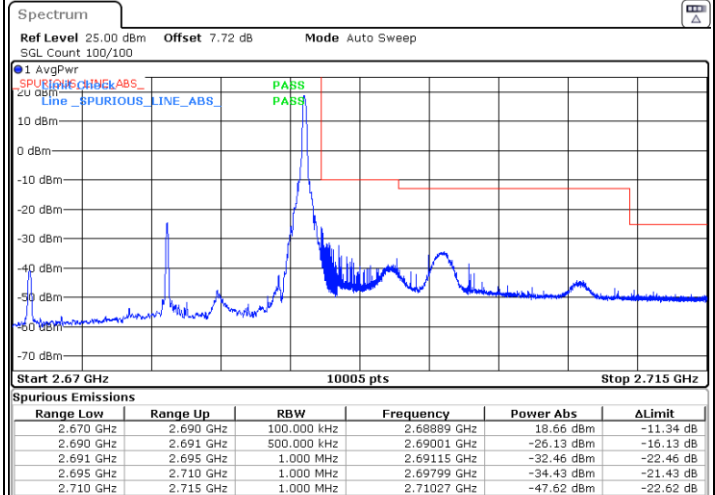


LTE Band 41 / 20MHz / 64QAM

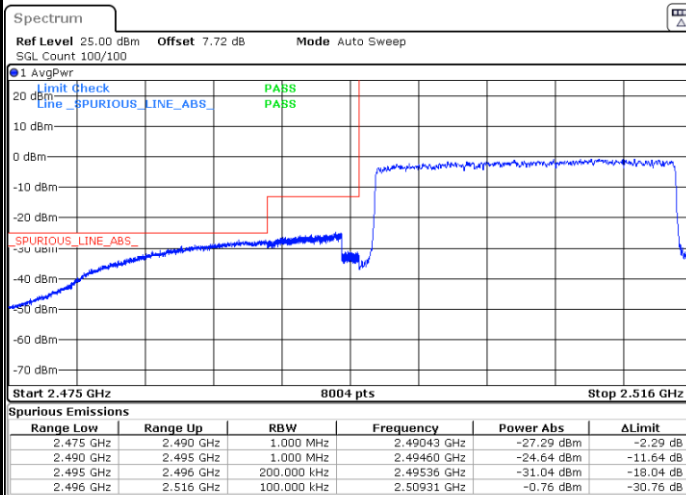
Lowest Band Edge / 1 RB



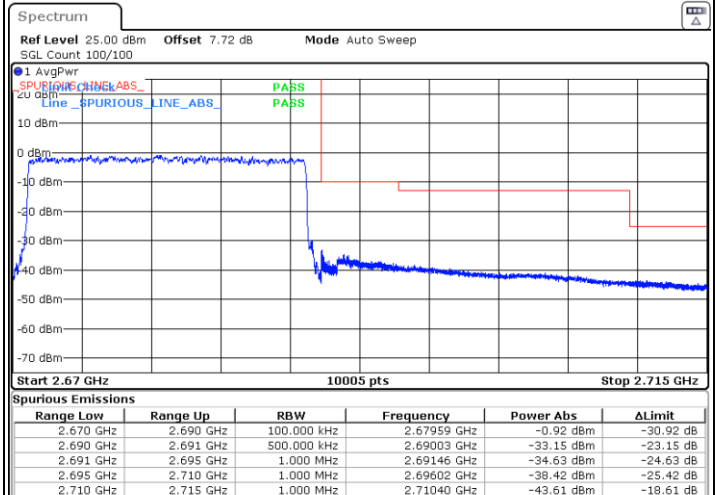
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



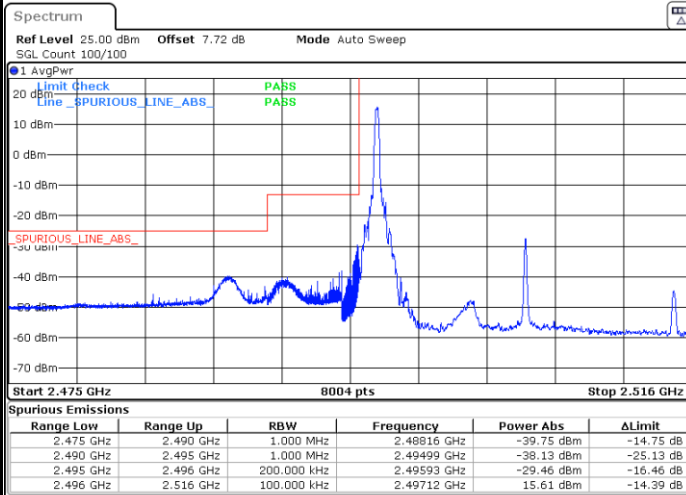
Highest Band Edge / Full RB



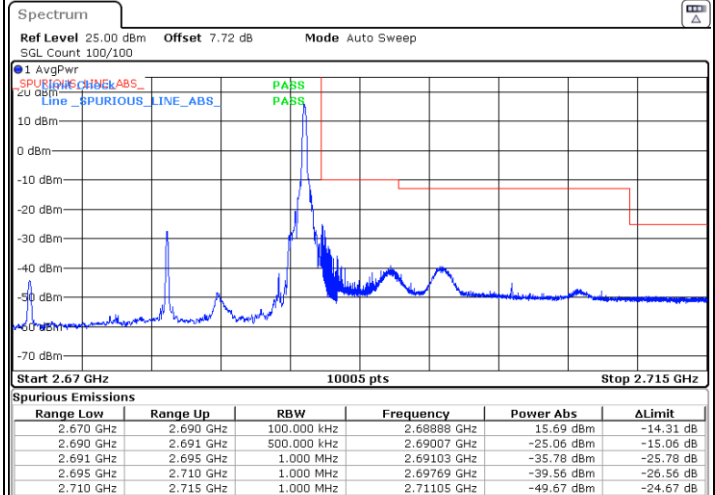


LTE Band 41 / 20MHz / 256QAM

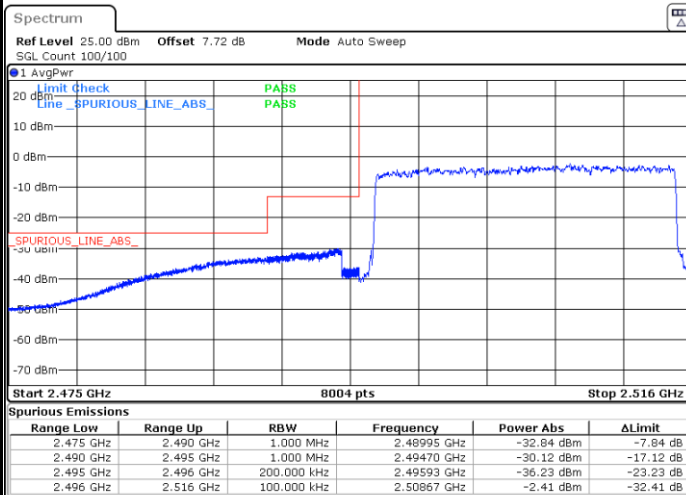
Lowest Band Edge / 1RB



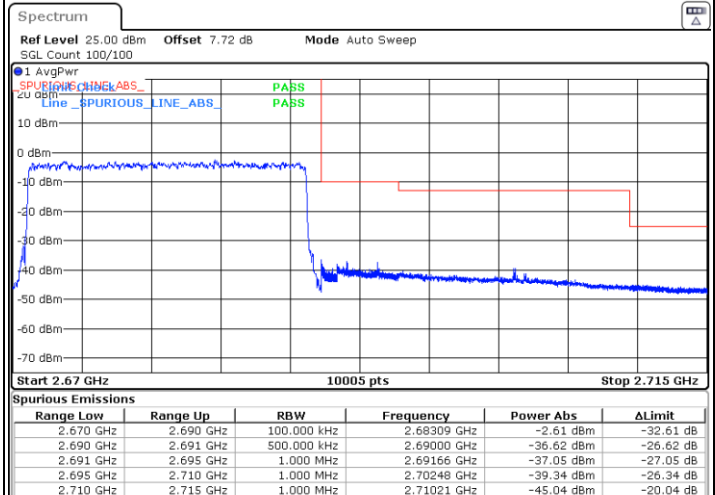
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



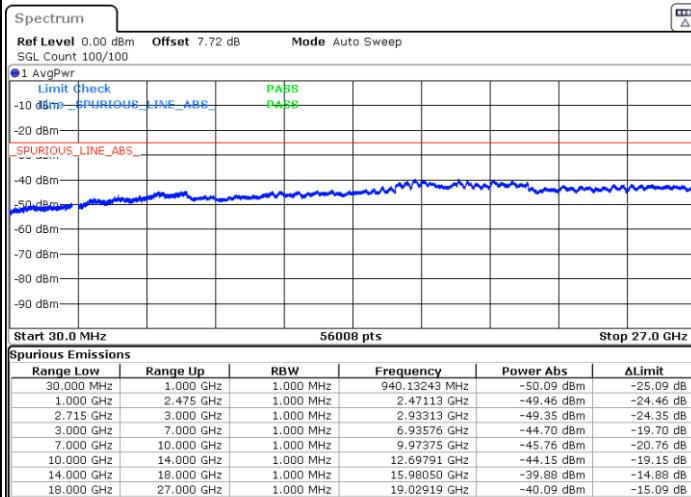


Conducted Spurious Emission

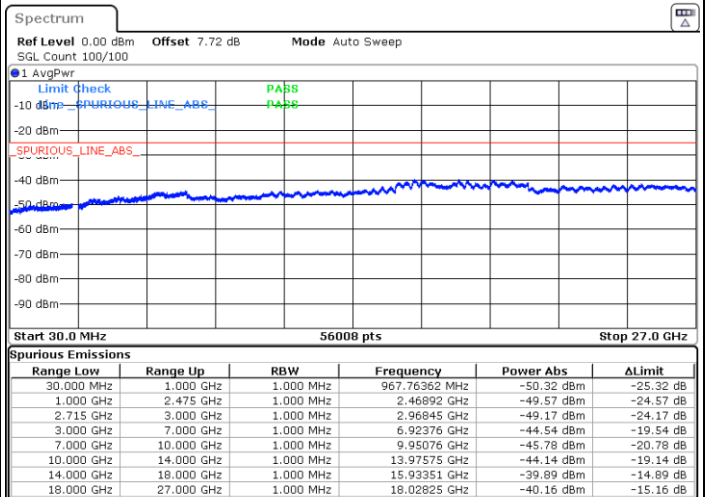
LTE Band 41 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

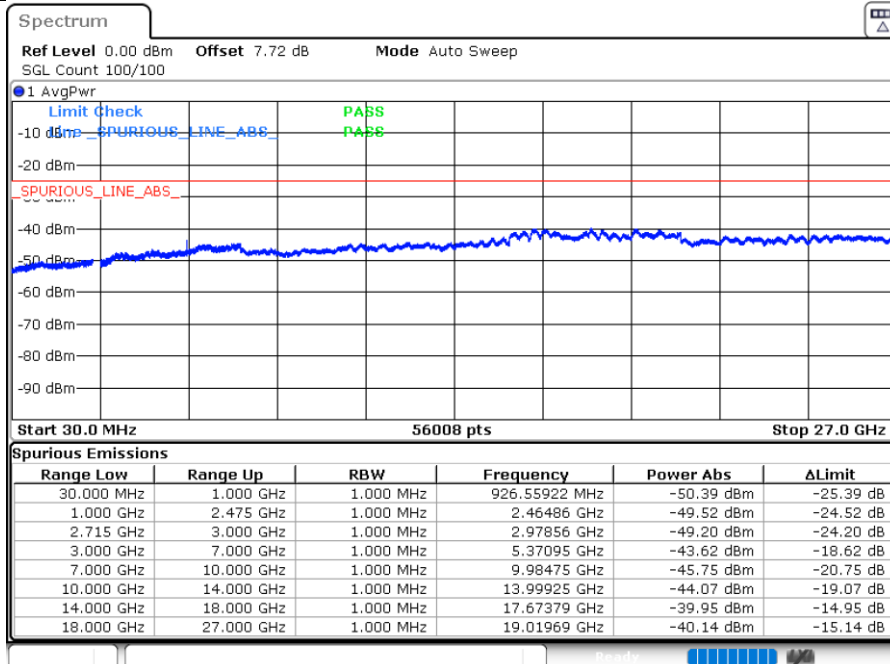


Date: 1.MAR.2024 00:20:03



Date: 1.MAR.2024 00:48:35

Highest Channel / QPSK



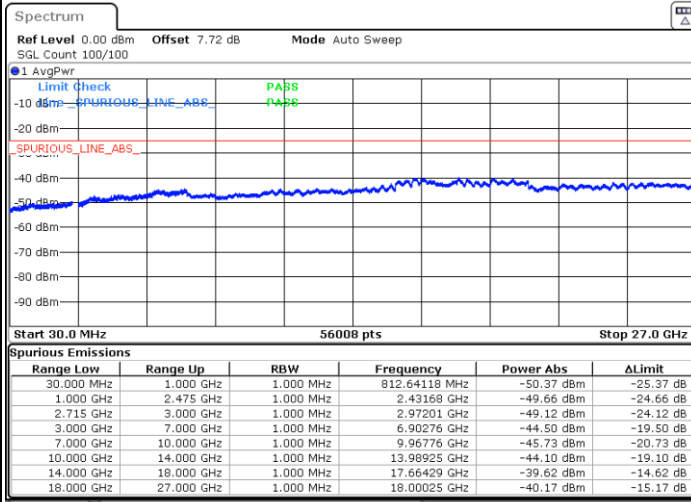
Date: 1.MAR.2024 00:51:40



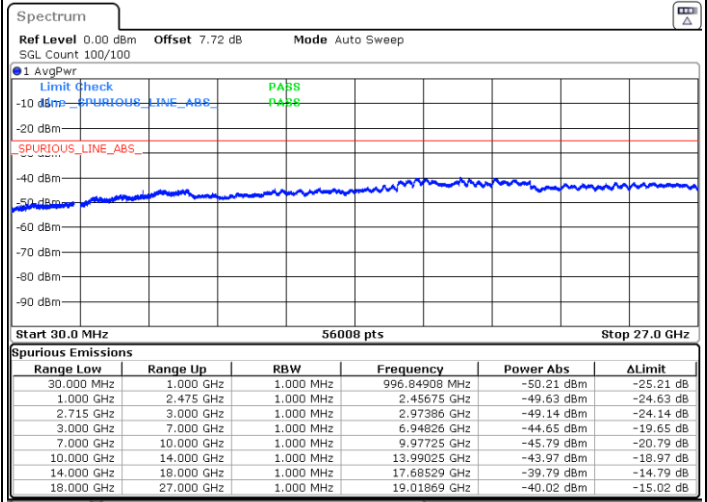
LTE Band 41 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

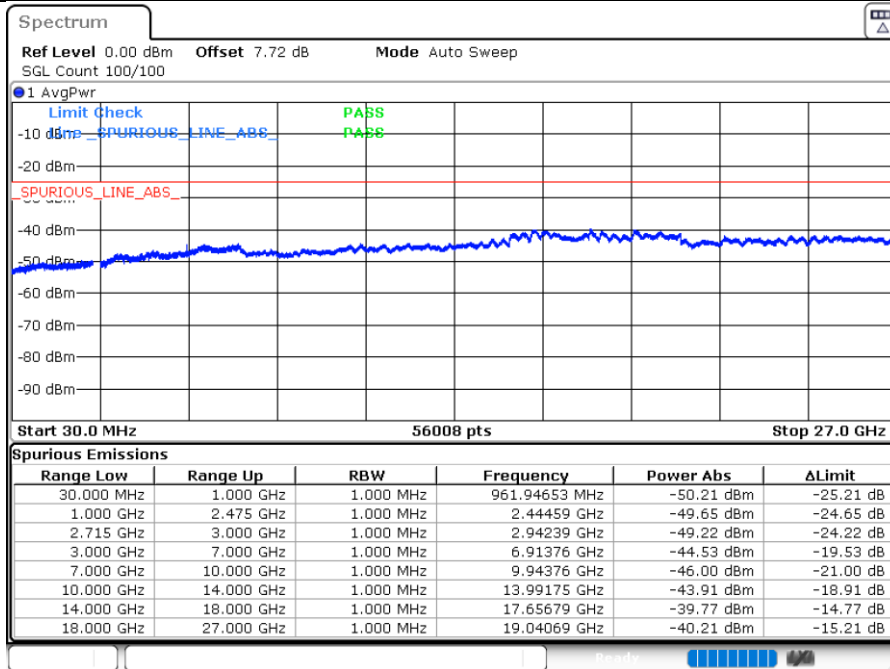


Date: 1.MAR.2024 01:11:22



Date: 1.MAR.2024 01:08:17

Highest Channel / QPSK



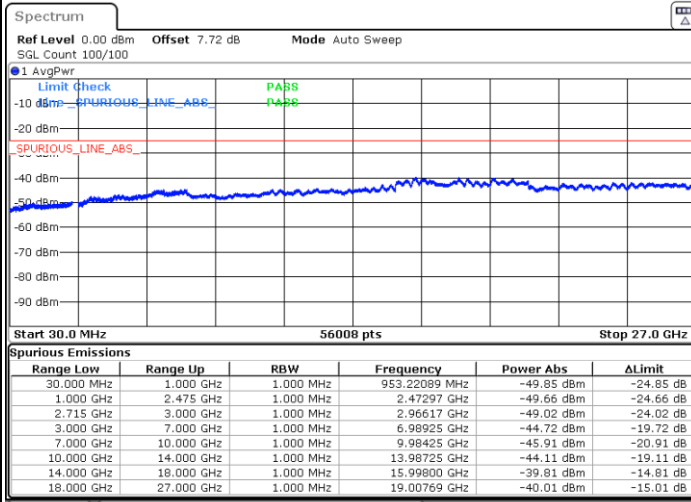
Date: 1.MAR.2024 01:36:51



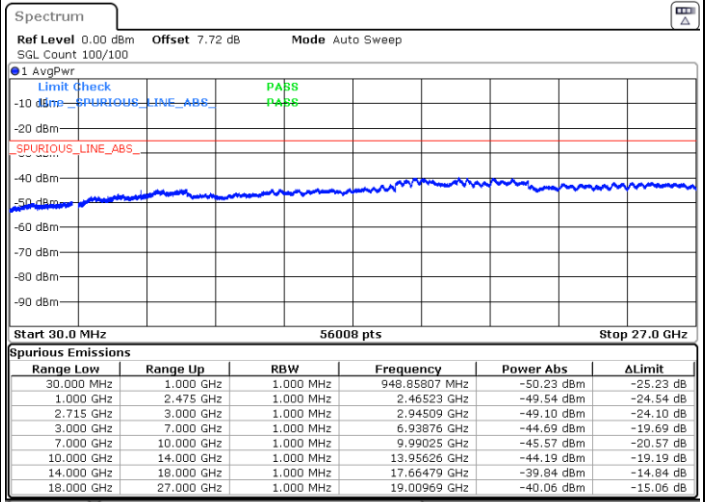
LTE Band 41 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

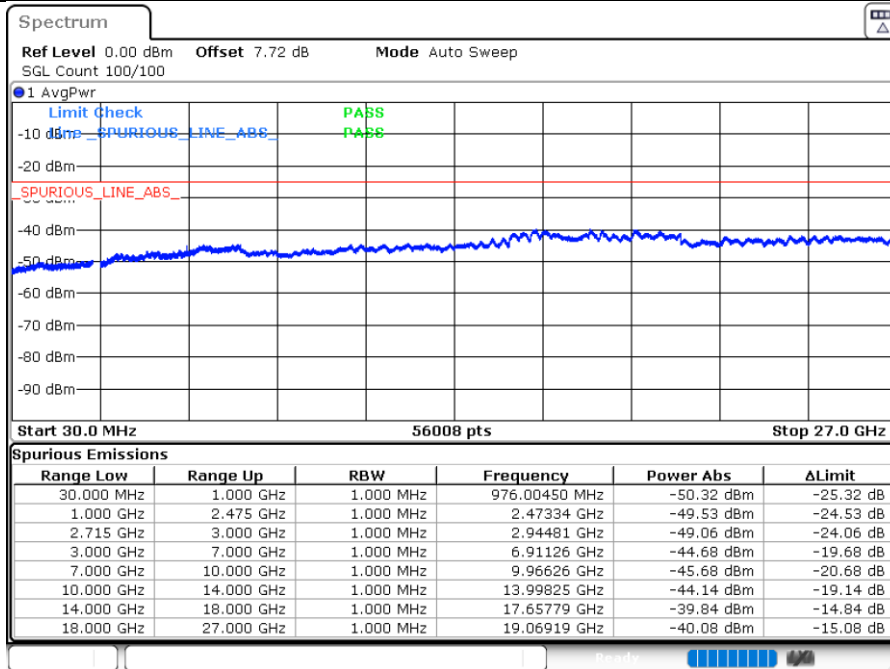


Date: 1.MAR.2024 01:43:09



Date: 1.MAR.2024 02:37:06

Highest Channel / QPSK



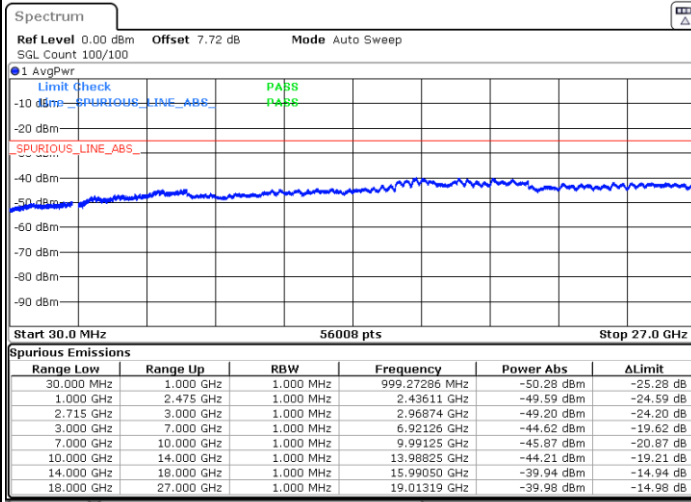
Date: 1.MAR.2024 02:43:34



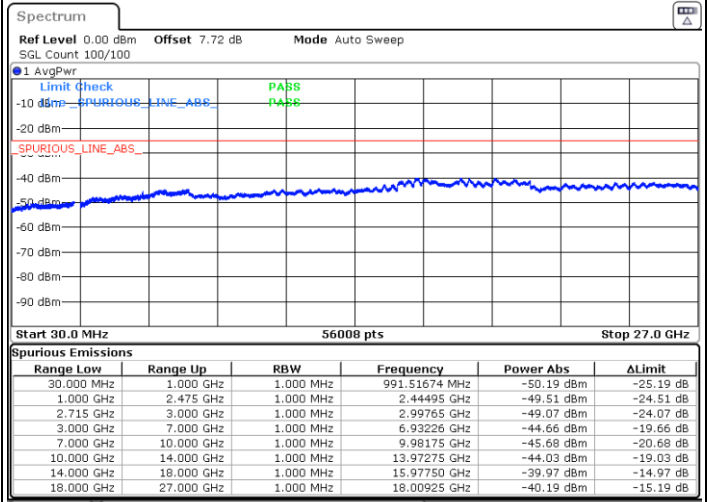
LTE Band 41 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

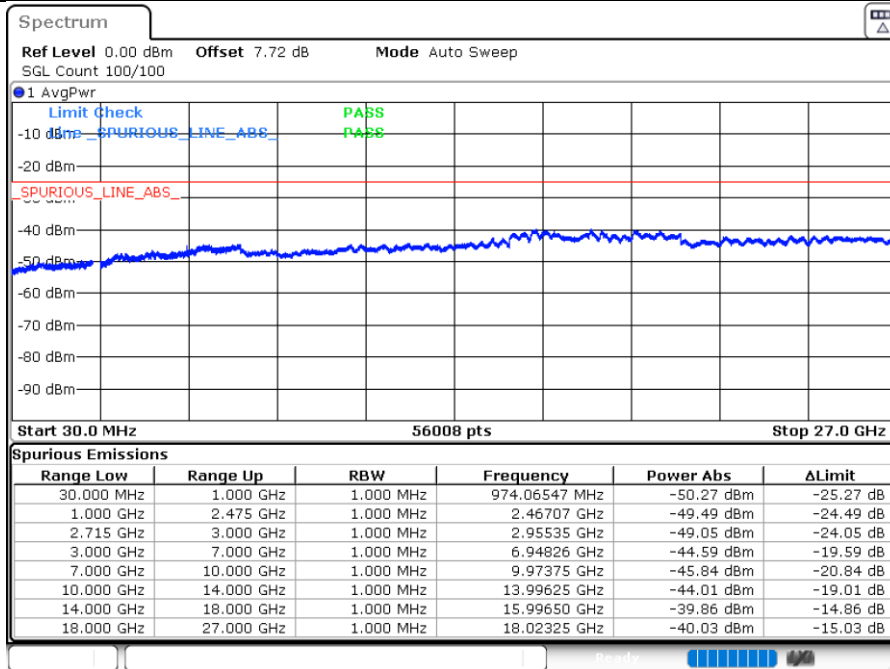


Date: 1.MAR.2024 03:07:12



Date: 1.MAR.2024 03:24:42

Highest Channel / QPSK



Date: 1.MAR.2024 03:48:13

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	0.0027	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0029	
20	Minimum Voltage	0.0018	

Note:

1. Normal Voltage =3.8 V. ; Minimum Voltage =3.3 V. ; Maximum Voltage =4.3V.
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 :	23~25°C
		Relative Humidity :	41~42%

LTE Band 7 / 20MHz / QPSK / ANT0 / Main 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	5008	-63.85	-25	-38.85	-74.06	3.03	13.24	H
	7500	-62.48	-25	-37.48	-71.93	3.56	13.01	H
	10006	-61.15	-25	-36.15	-70.67	3.92	13.44	H
	5008	-60.77	-25	-35.77	-70.98	3.03	13.24	V
	7500	-62.59	-25	-37.59	-72.04	3.56	13.01	V
	10006	-60.87	-25	-35.87	-70.39	3.92	13.44	V
Middle	5050	-64.80	-25	-39.80	-75.01	3.03	13.24	H
	7584	-62.80	-25	-37.80	-72.25	3.56	13.01	H
	10104	-61.08	-25	-36.08	-70.60	3.92	13.44	H
	5050	-64.06	-25	-39.06	-74.27	3.03	13.24	V
	7584	-62.82	-25	-37.82	-72.27	3.56	13.01	V
	10104	-61.46	-25	-36.46	-70.98	3.92	13.44	V
Highest	5106	-64.73	-25	-39.73	-74.94	3.03	13.24	H
	7654	-62.58	-25	-37.58	-72.03	3.56	13.01	H
	10202	-61.78	-25	-36.78	-71.30	3.92	13.44	H
	5106	-64.06	-25	-39.06	-74.27	3.03	13.24	V
	7654	-62.51	-25	-37.51	-71.96	3.56	13.01	V
	10202	-62.23	-25	-37.23	-71.75	3.92	13.44	V

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



ENDC 7A_n71A / 20MHz / QPSK / ANT0 / 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	5008	-64.45	-25	-39.45	-74.66	3.03	13.24	H
	7503	-63.08	-25	-38.08	-72.53	3.56	13.01	H
	10004	-61.40	-25	-36.40	-70.92	3.92	13.44	H
	5008	-61.89	-25	-36.89	-72.10	3.03	13.24	V
	7503	-63.03	-25	-38.03	-72.48	3.56	13.01	V
	10006	-61.39	-25	-36.39	-70.91	3.92	13.44	V
Middle	5050	-64.81	-25	-39.81	-75.02	3.03	13.24	H
	7578	-62.98	-25	-37.98	-72.43	3.56	13.01	H
	10104	-61.18	-25	-36.18	-70.70	3.92	13.44	H
	5050	-63.23	-25	-38.23	-73.44	3.03	13.24	V
	7578	-62.99	-25	-37.99	-72.44	3.56	13.01	V
	10104	-61.58	-25	-36.58	-71.10	3.92	13.44	V
Highest	5102	-64.78	-25	-39.78	-74.99	3.03	13.24	H
	7653	-62.53	-25	-37.53	-71.98	3.56	13.01	H
	10204	-61.66	-25	-36.66	-71.18	3.92	13.44	H
	5106	-63.27	-25	-38.27	-73.48	3.03	13.24	V
	7653	-62.54	-25	-37.54	-71.99	3.56	13.01	V
	10204	-61.69	-25	-36.69	-71.21	3.92	13.44	V

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



LTE Band 41 / 20MHz / QPSK / ANT0 / Main 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	4994	-64.33	-25	-39.33	-74.54	3.03	13.24	H
	7486	-63.10	-25	-38.10	-72.55	3.56	13.01	H
	9992	-61.26	-25	-36.26	-70.78	3.92	13.44	H
	4994	-64.57	-25	-39.57	-74.78	3.03	13.24	V
	7486	-62.59	-25	-37.59	-72.04	3.56	13.01	V
	9992	-61.53	-25	-36.53	-71.05	3.92	13.44	V
Middle	5162	-64.60	-25	-39.60	-74.81	3.03	13.24	H
	7752	-62.15	-25	-37.15	-71.60	3.56	13.01	H
	10342	-60.89	-25	-35.89	-70.41	3.92	13.44	H
	5162	-63.80	-25	-38.80	-74.01	3.03	13.24	V
	7752	-62.48	-25	-37.48	-71.93	3.56	13.01	V
	10342	-61.53	-25	-36.53	-71.05	3.92	13.44	V
Highest	5344	-65.23	-25	-40.23	-75.44	3.03	13.24	H
	8018	-62.58	-25	-37.58	-72.03	3.56	13.01	H
	10678	-61.26	-25	-36.26	-70.78	3.92	13.44	H
	5344	-65.34	-25	-40.34	-75.55	3.03	13.24	V
	8018	-62.58	-25	-37.58	-72.03	3.56	13.01	V
	10678	-61.20	-25	-36.20	-70.72	3.92	13.44	V

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

ENDC 41A_n78A / 20MHz / QPSK / ANT0 / 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	4994	-52.74	-25	-27.74	-62.95	3.03	13.24	H
	7486	-52.97	-25	-27.97	-62.42	3.56	13.01	H
	9992	-50.97	-25	-25.97	-60.49	3.92	13.44	H
	4994	-53.15	-25	-28.15	-63.36	3.03	13.24	V
	7486	-53.34	-25	-28.34	-62.79	3.56	13.01	V
	9992	-51.99	-25	-26.99	-61.51	3.92	13.44	V
Middle	5162	-53.22	-25	-28.22	-63.43	3.03	13.24	H
	7752	-53.29	-25	-28.29	-62.74	3.56	13.01	H
	10342	-52.11	-25	-27.11	-61.63	3.92	13.44	H
	5162	-53.80	-25	-28.80	-64.01	3.03	13.24	V
	7752	-52.73	-25	-27.73	-62.18	3.56	13.01	V
	10342	-51.99	-25	-26.99	-61.51	3.92	13.44	V
Highest	5344	-54.12	-25	-29.12	-64.33	3.03	13.24	H
	8018	-52.06	-25	-27.06	-61.51	3.56	13.01	H
	10678	-51.27	-25	-26.27	-60.79	3.92	13.44	H
	5344	-54.32	-25	-29.32	-64.53	3.03	13.24	V
	8018	-52.23	-25	-27.23	-61.68	3.56	13.01	V
	10678	-51.21	-25	-26.21	-60.73	3.92	13.44	V

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



LTE Band 7C / 20+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	5008	-64.66	-25	-39.66	-74.87	3.03	13.24	H
	7500	-63.20	-25	-38.20	-72.65	3.56	13.01	H
	10006	-61.21	-25	-36.21	-70.73	3.92	13.44	H
	5008	-64.64	-25	-39.64	-74.85	3.03	13.24	V
	7500	-63.32	-25	-38.32	-72.77	3.56	13.01	V
	10006	-61.65	-25	-36.65	-71.17	3.92	13.44	V
	5036	-64.58	-25	-39.58	-74.79	3.03	13.24	H
	7556	-62.82	-25	-37.82	-72.27	3.56	13.01	H
	10090	-61.28	-25	-36.28	-70.80	3.92	13.44	H
	5036	-64.98	-25	-39.98	-75.19	3.03	13.24	V
	7556	-63.01	-25	-38.01	-72.46	3.56	13.01	V
	10090	-61.58	-25	-36.58	-71.10	3.92	13.44	V
Middle	5036	-64.41	-25	-39.41	-74.62	3.03	13.24	H
	7542	-63.20	-25	-38.20	-72.65	3.56	13.01	H
	10062	-61.74	-25	-36.74	-71.26	3.92	13.44	H
	5036	-64.64	-25	-39.64	-74.85	3.03	13.24	V
	7542	-63.31	-25	-38.31	-72.76	3.56	13.01	V
	10062	-61.74	-25	-36.74	-71.26	3.92	13.44	V
	5078	-65.06	-25	-40.06	-75.27	3.03	13.24	H
	7612	-63.01	-25	-38.01	-72.46	3.56	13.01	H
	10146	-61.07	-25	-36.07	-70.59	3.92	13.44	H
	5078	-65.06	-25	-40.06	-75.27	3.03	13.24	V
	7612	-63.23	-25	-38.23	-72.68	3.56	13.01	V
	10146	-61.58	-25	-36.58	-71.10	3.92	13.44	V
Highest	5064	-65.32	-25	-40.32	-75.53	3.03	13.24	H
	7598	-62.89	-25	-37.89	-72.34	3.56	13.01	H
	10132	-61.35	-25	-36.35	-70.87	3.92	13.44	H
	5064	-65.26	-25	-40.26	-75.47	3.03	13.24	V
	7598	-62.71	-25	-37.71	-72.16	3.56	13.01	V
	10132	-61.49	-25	-36.49	-71.01	3.92	13.44	V
	5106	-64.92	-25	-39.92	-75.13	3.03	13.24	H
	7654	-62.60	-25	-37.60	-72.05	3.56	13.01	H
	10202	-61.85	-25	-36.85	-71.37	3.92	13.44	H
	5106	-65.06	-25	-40.06	-75.27	3.03	13.24	V
	7654	-62.27	-25	-37.27	-71.72	3.56	13.01	V
	10202	-61.92	-25	-36.92	-71.44	3.92	13.44	V

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



LTE Band 41C / 20+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	4994	-64.51	-25	-39.51	-74.72	3.03	13.24	H
	7486	-63.03	-25	-38.03	-72.48	3.56	13.01	H
	9992	-61.81	-25	-36.81	-71.33	3.92	13.44	H
	4994	-63.69	-25	-38.69	-73.90	3.03	13.24	V
	7486	-62.71	-25	-37.71	-72.16	3.56	13.01	V
	9992	-60.98	-25	-35.98	-70.50	3.92	13.44	V
	5036	-65.13	-25	-40.13	-75.34	3.03	13.24	H
	7556	-62.99	-25	-37.99	-72.44	3.56	13.01	H
	10062	-61.91	-25	-36.91	-71.43	3.92	13.44	H
	5036	-64.42	-25	-39.42	-74.63	3.03	13.24	V
	7556	-62.41	-25	-37.41	-71.86	3.56	13.01	V
	10062	-61.32	-25	-36.32	-70.84	3.92	13.44	V
Middle	5148	-65.14	-25	-40.14	-75.35	3.03	13.24	H
	7724	-62.59	-25	-37.59	-72.04	3.56	13.01	H
	10300	-61.59	-25	-36.59	-71.11	3.92	13.44	H
	5148	-65.14	-25	-40.14	-75.35	3.03	13.24	V
	7724	-62.13	-25	-37.13	-71.58	3.56	13.01	V
	10300	-62.10	-25	-37.10	-71.62	3.92	13.44	V
	5190	-65.32	-25	-40.32	-75.53	3.03	13.24	H
	7780	-62.47	-25	-37.47	-71.92	3.56	13.01	H
	10370	-61.27	-25	-36.27	-70.79	3.92	13.44	H
	5190	-65.37	-25	-40.37	-75.58	3.03	13.24	V
	7780	-62.48	-25	-37.48	-71.93	3.56	13.01	V
	10370	-62.14	-25	-37.14	-71.66	3.92	13.44	V
Highest	5302	-64.93	-25	-39.93	-75.14	3.03	13.24	H
	7948	-61.67	-25	-36.67	-71.12	3.56	13.01	H
	10608	-61.28	-25	-36.28	-70.80	3.92	13.44	H
	5302	-64.42	-25	-39.42	-74.63	3.03	13.24	V
	7948	-61.58	-25	-36.58	-71.03	3.56	13.01	V
	10608	-60.70	-25	-35.70	-70.22	3.92	13.44	V
	5344	-65.47	-25	-40.47	-75.68	3.03	13.24	H
	8018	-62.03	-25	-37.03	-71.48	3.56	13.01	H
	10678	-61.02	-25	-36.02	-70.54	3.92	13.44	H
	5344	-65.26	-25	-40.26	-75.47	3.03	13.24	V
	8018	-61.64	-25	-36.64	-71.09	3.56	13.01	V
	10678	-60.49	-25	-35.49	-70.01	3.92	13.44	V

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