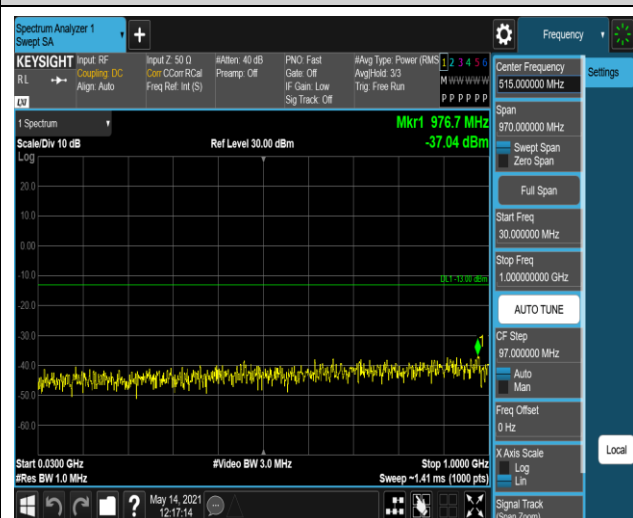


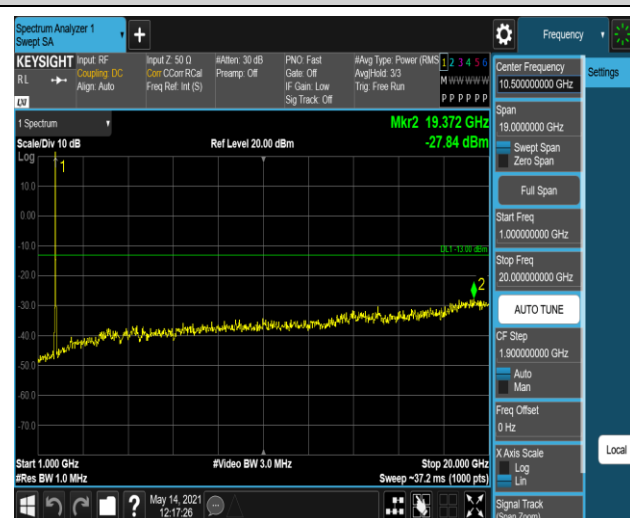
Band4-20MHz-QPSK-20300-1RB#0-Range1:30~10

00MHz



Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~200

00MHz



Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1

000MHz



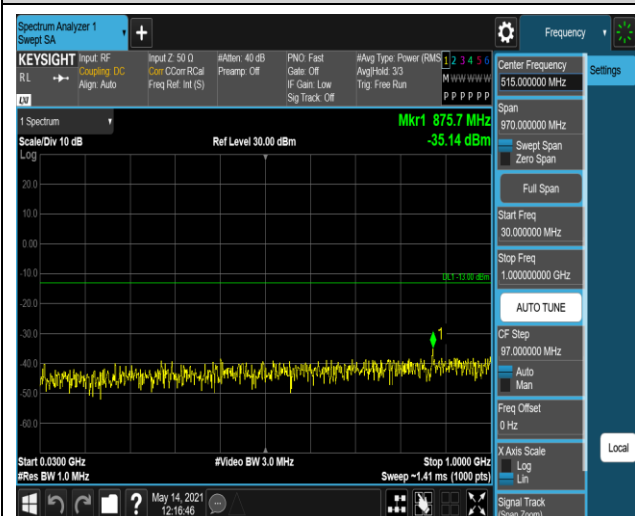
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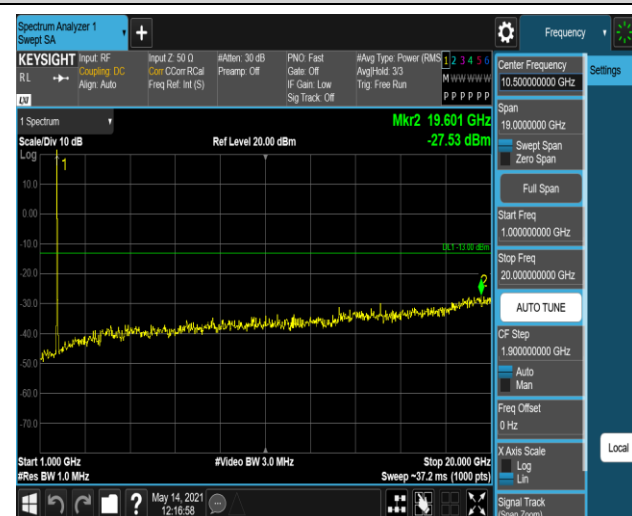
Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1

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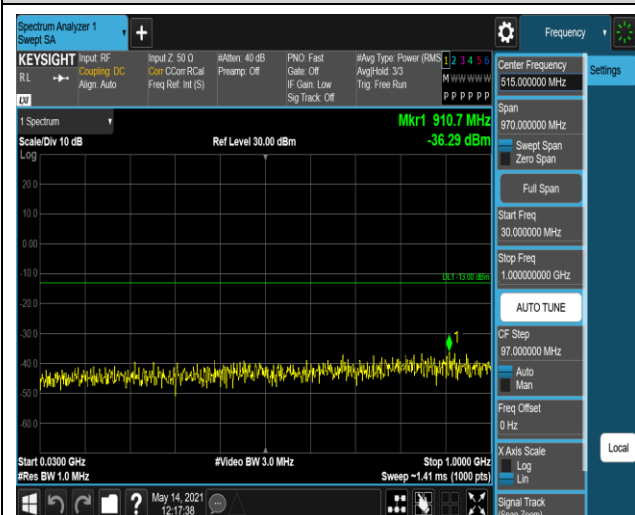
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000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1

000MHz



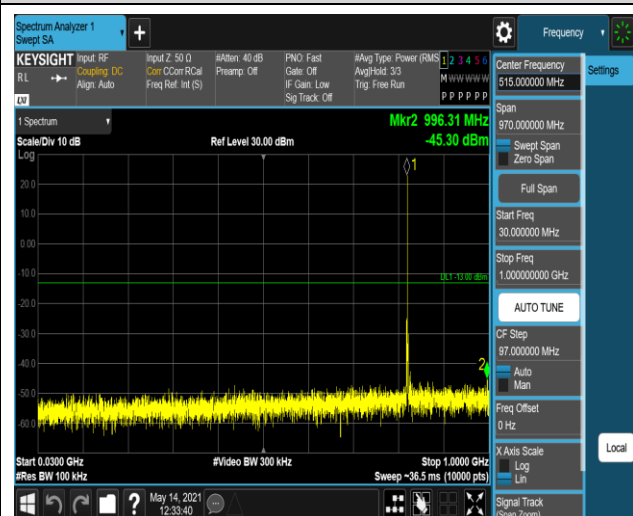
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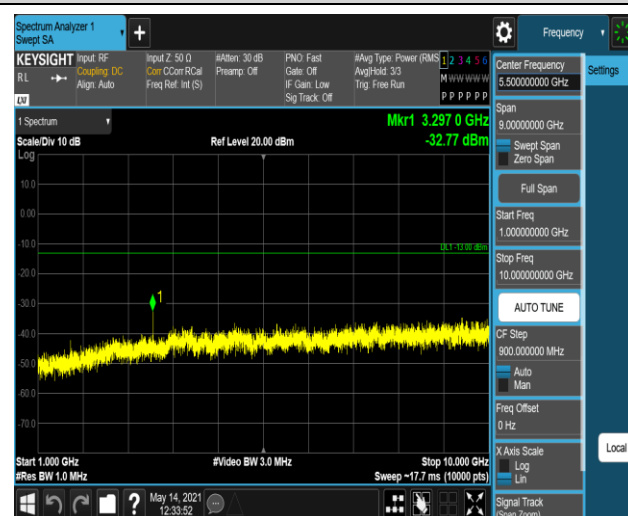
Band5-1.4MHz-QPSK-20407-1RB#0-Range1:30~10

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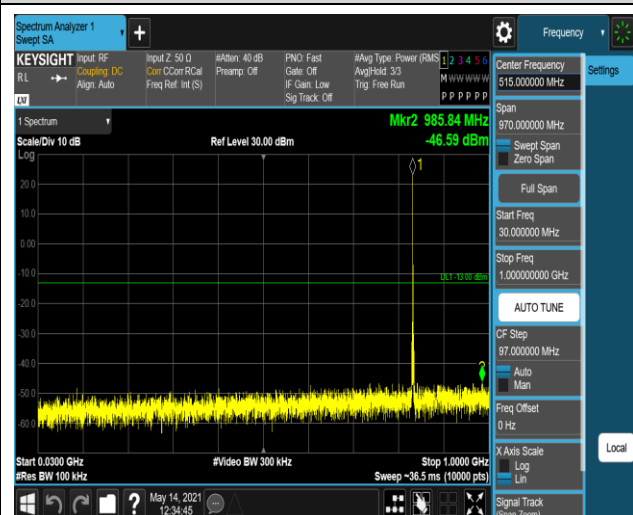
Band5-1.4MHz-QPSK-20407-1RB#0-Range2:1000~10

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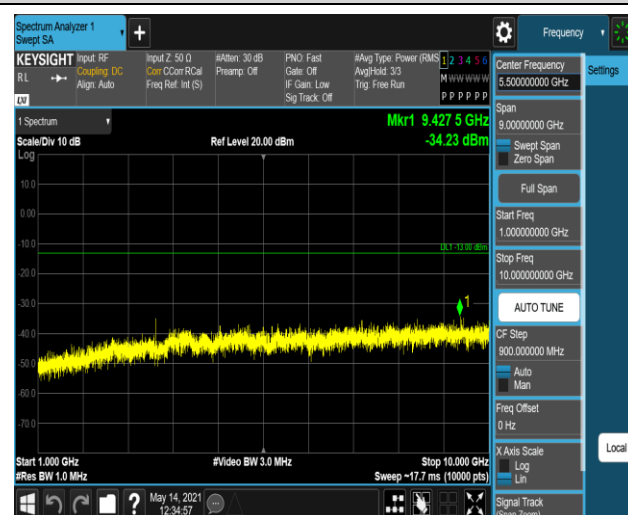
Band5-1.4MHz-QPSK-20525-1RB#0-Range1:30~10

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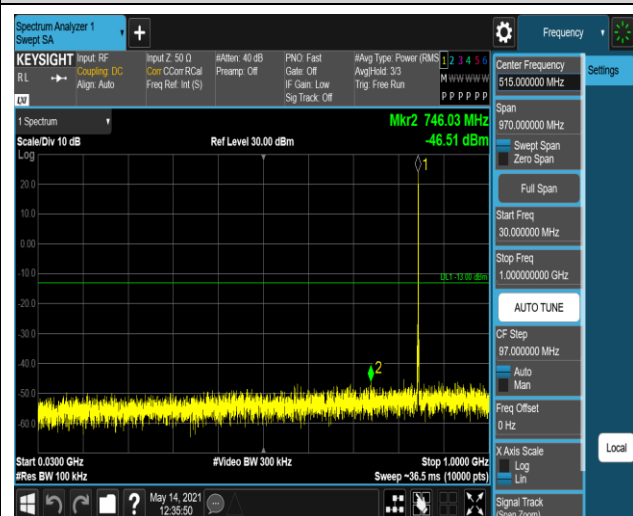
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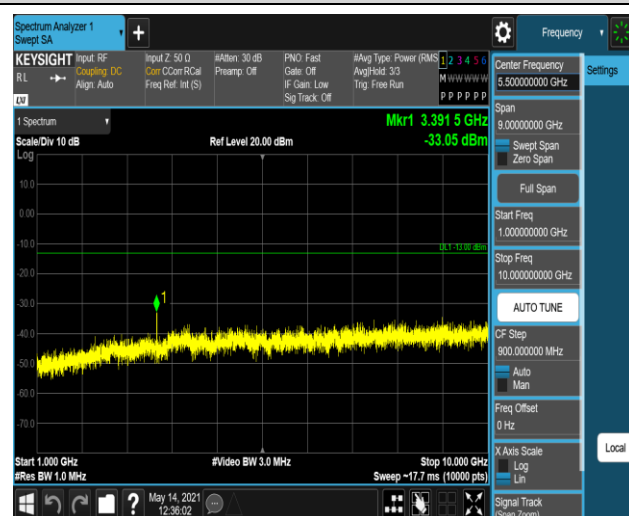
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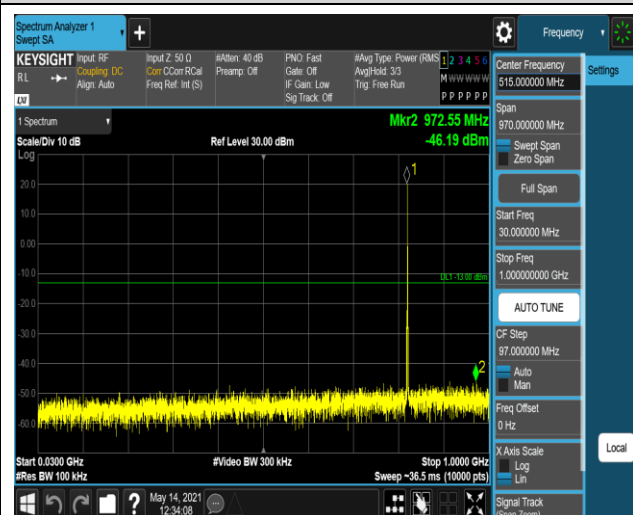
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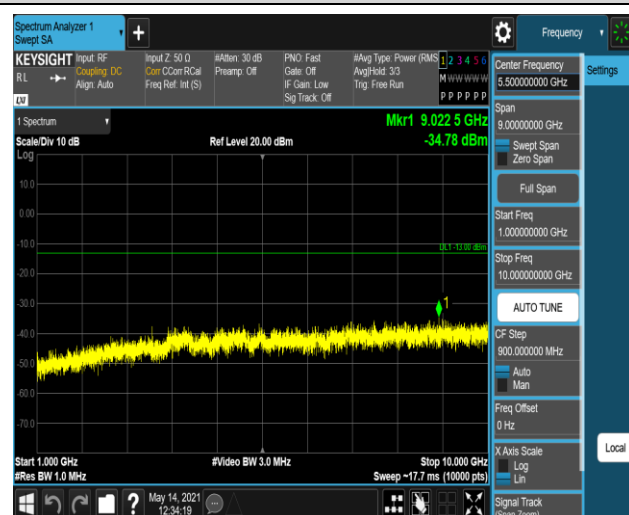
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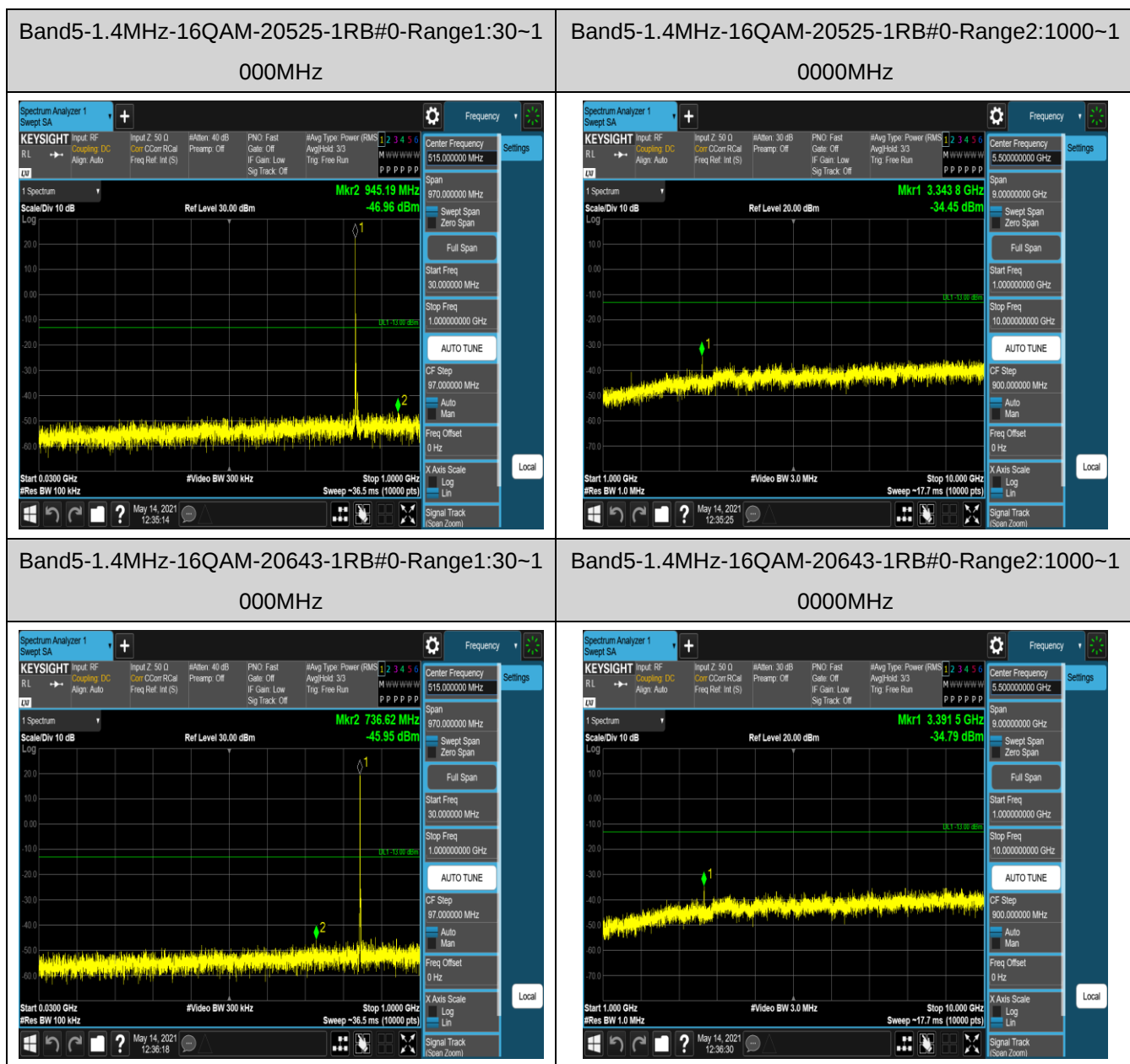
000MHz



Band5-1.4MHz-16QAM-20407-1RB#0-Range2:1000~1

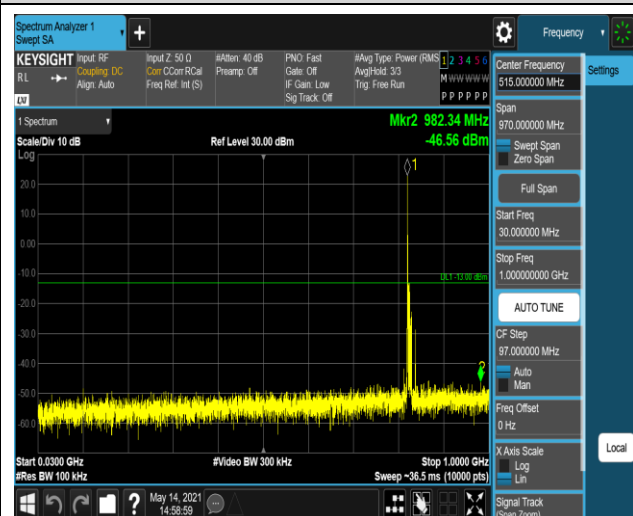
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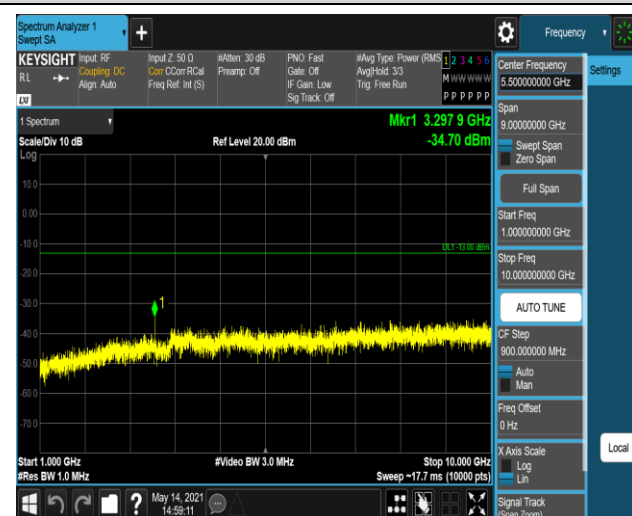
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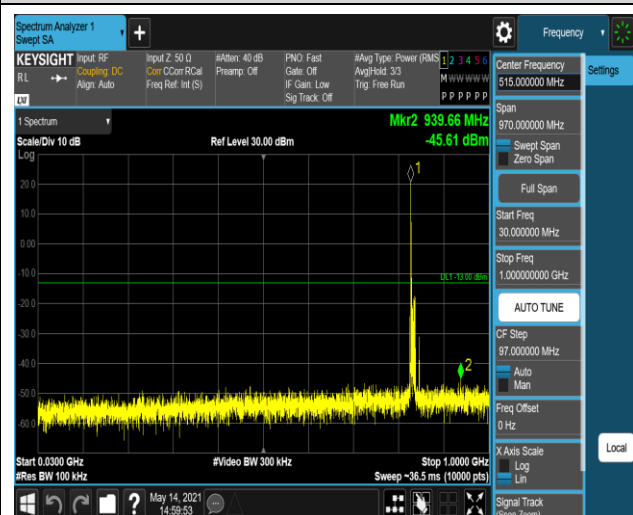
Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~100

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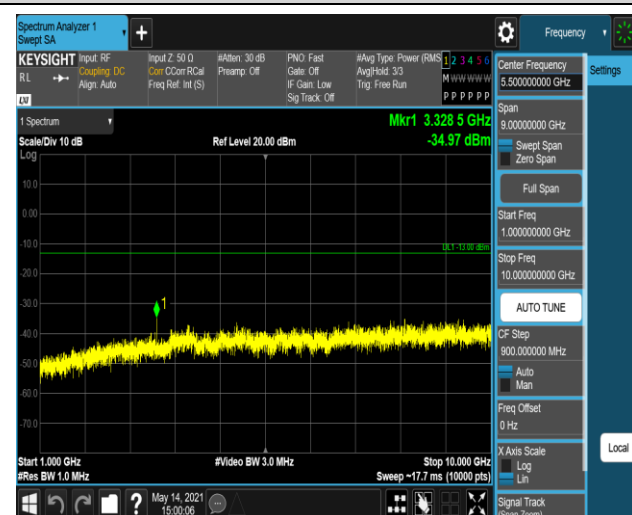
Band5-10MHz-QPSK-20525-1RB#0-Range1:30~10

00MHz



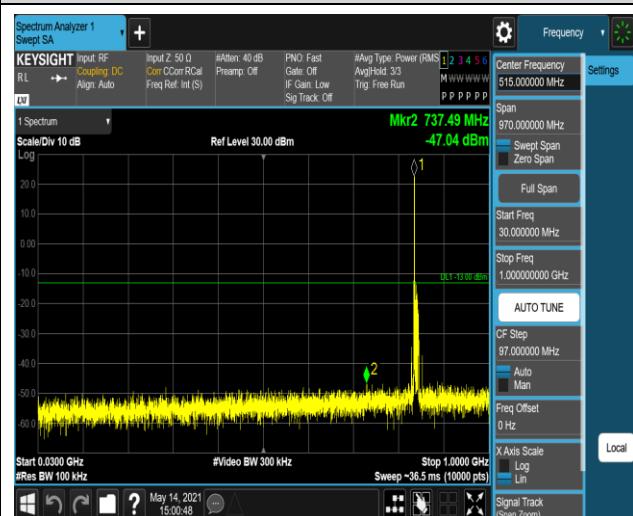
Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~100

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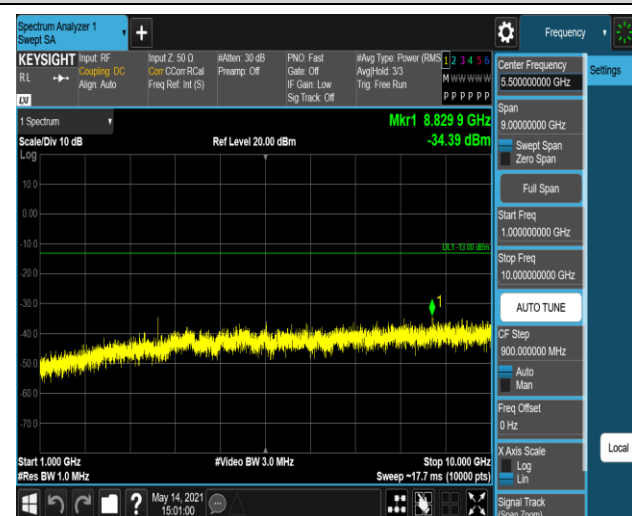
Band5-10MHz-QPSK-20600-1RB#0-Range1:30~10

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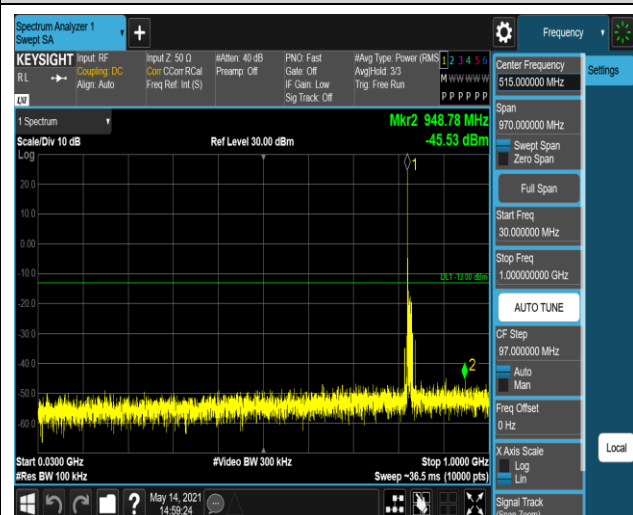
Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~100

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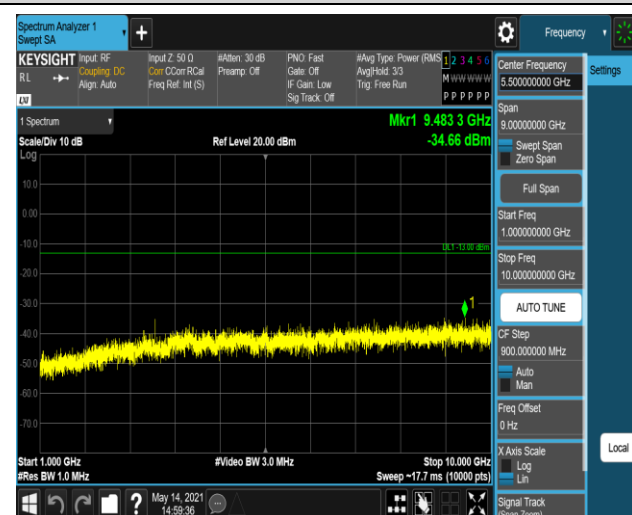
Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1

000MHz



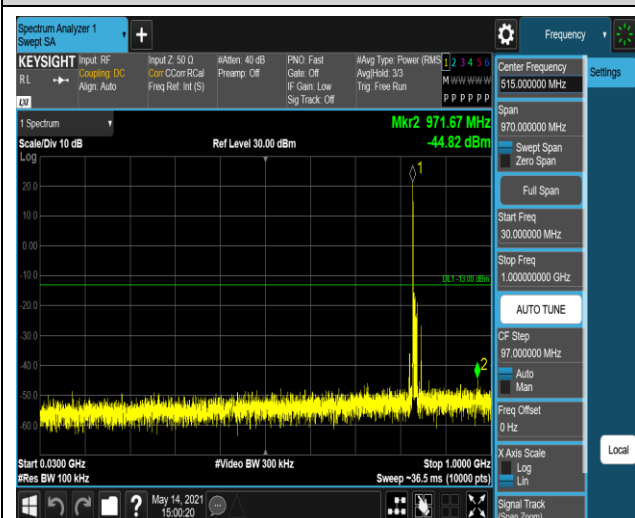
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000MHz



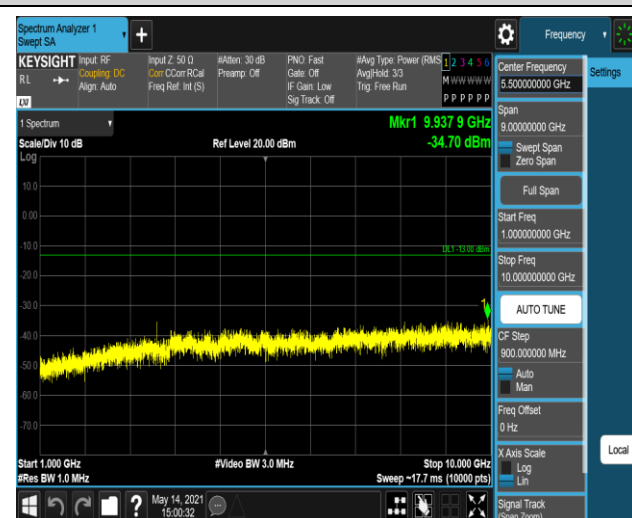
Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1

000MHz



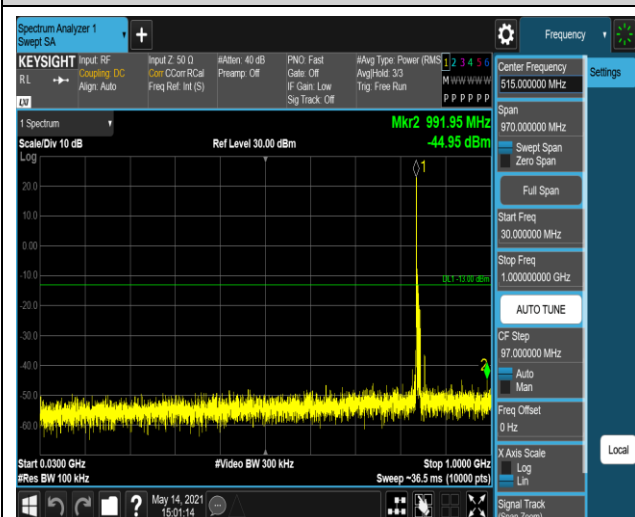
Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10

000MHz



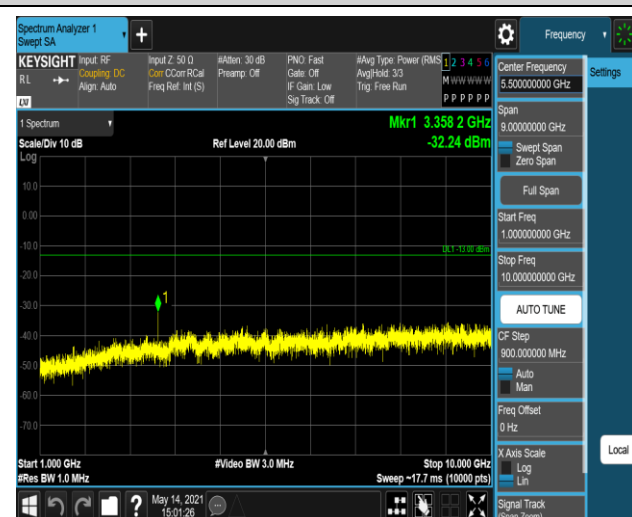
Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1

000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10

000MHz



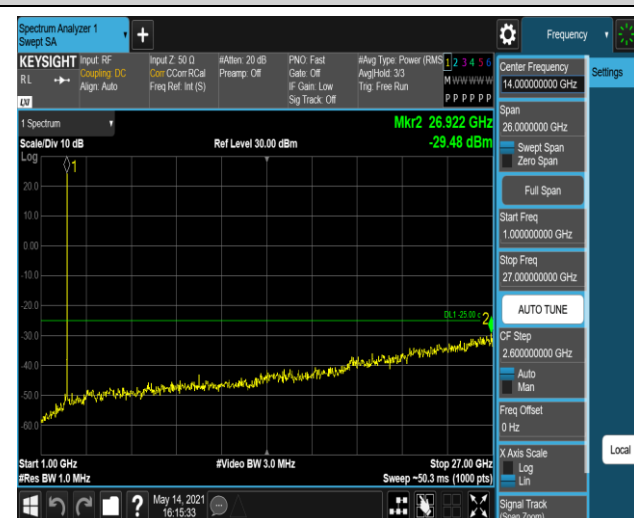
Band7-5MHz-QPSK-20775-1RB#0-Range1:30~100

0MHz



Band7-5MHz-QPSK-20775-1RB#0-Range2:1000~2700

0MHz



Band7-5MHz-QPSK-21100-1RB#0-Range1:30~100

0MHz



Band7-5MHz-QPSK-21100-1RB#0-Range2:1000~2700

0MHz



Band7-5MHz-QPSK-21425-1RB#0-Range1:30~100

0MHz



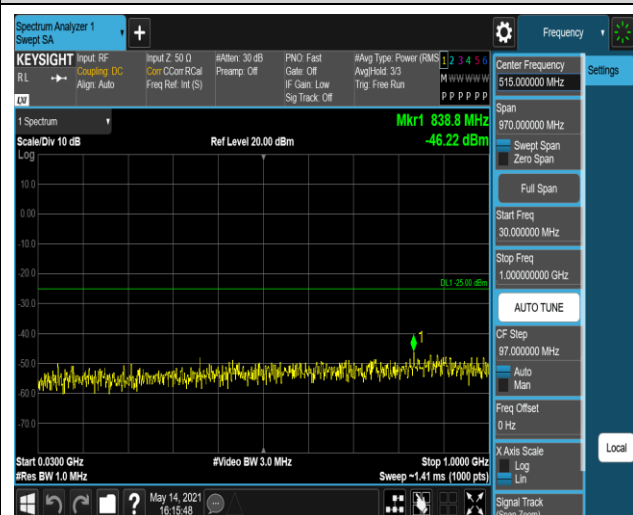
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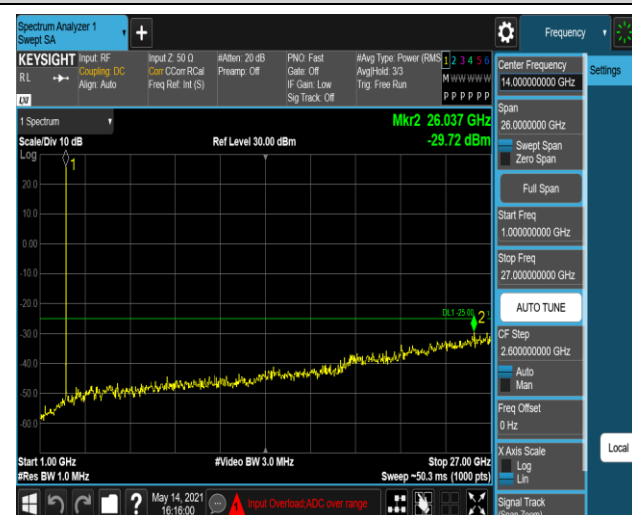
Band7-5MHz-16QAM-20775-1RB#0-Range1:30~10

00MHz



Band7-5MHz-16QAM-20775-1RB#0-Range2:1000~270

00MHz



Band7-5MHz-16QAM-21100-1RB#0-Range1:30~10

00MHz



Band7-5MHz-16QAM-21100-1RB#0-Range2:1000~270

00MHz



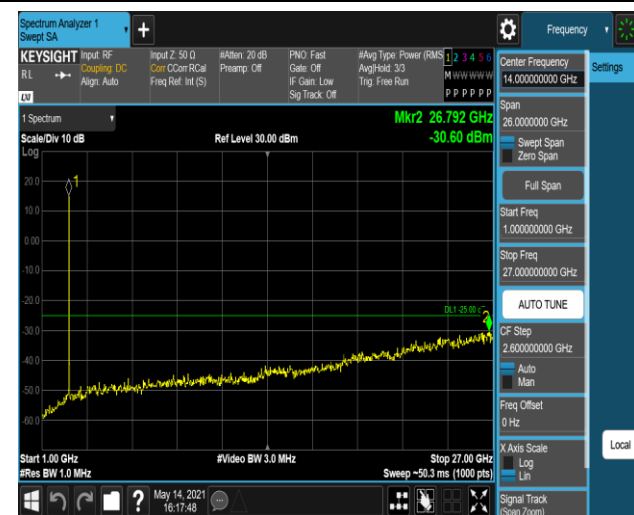
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Band7-5MHz-16QAM-21425-1RB#0-Range2:1000~270

00MHz



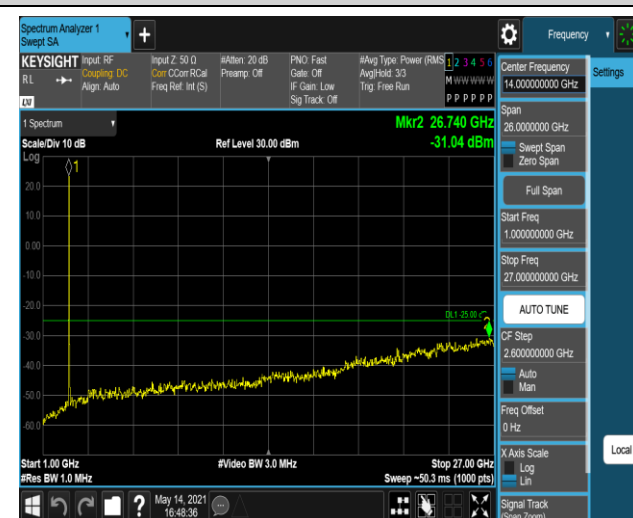
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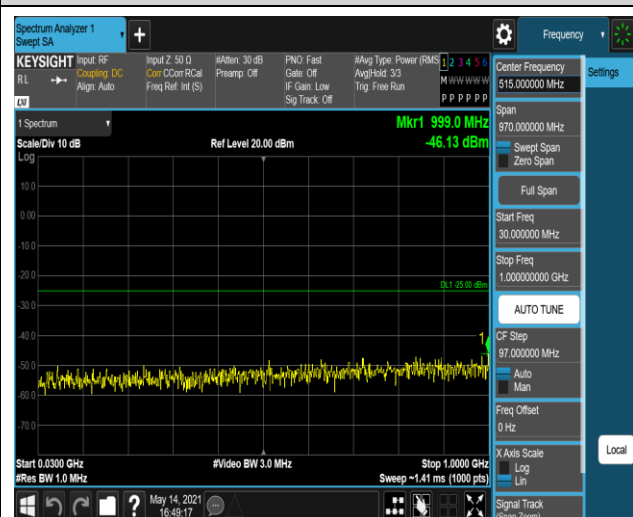
Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~270

00MHz



Band7-20MHz-QPSK-21100-1RB#0-Range1:30~10

00MHz



Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~270

00MHz



Band7-20MHz-QPSK-21350-1RB#0-Range1:30~10

00MHz



Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~270

00MHz



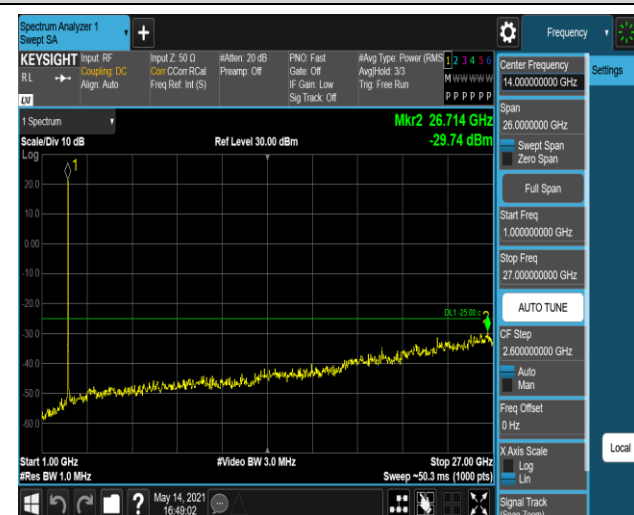
Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1

000MHz



Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~27

000MHz



Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1

000MHz



Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~27

000MHz



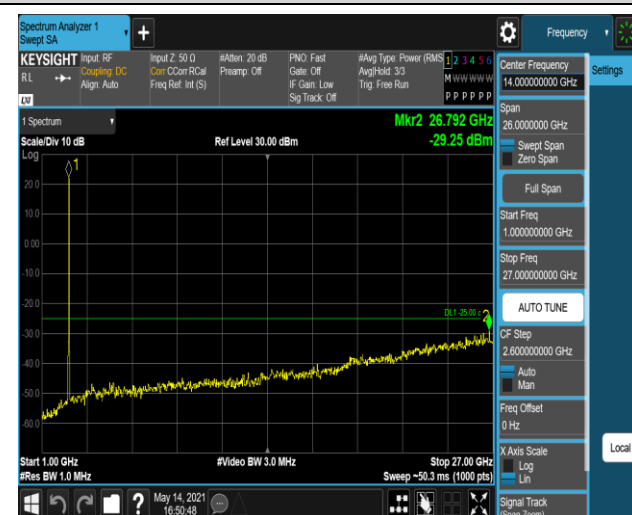
Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1

000MHz



Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~27

000MHz



Appendix F: Frequency Stability

Test Result (Worst case):

LTE Band 2 part:

Reference Frequency: LTE Band 2 (10MHz) Middle channel=18900 Frequency=1880.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.80	-30	-31.07	-0.016527	Within authorized band for Band 2	Pass
	-20	8.50	0.004521		
	-10	18.05	0.009601		
	0	-12.42	-0.006606		
	10	-8.91	-0.004739		
	20	-27.18	-0.014457		
	30	6.08	0.003234		
	40	5.16	0.002745		
	50	-10.39	-0.005527		
16QAM					
3.80	-30	52.63	0.027995	Within authorized band for Band 2	Pass
	-20	16.94	0.009011		
	-10	43.56	0.023170		
	0	-16.78	-0.008926		
	10	18.47	0.009824		
	20	13.83	0.007356		
	30	35.45	0.018856		
	40	19.07	0.010144		
	50	48.57	0.025835		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.50	-6.27	-0.003335	Within authorized band for Band 2	Pass
	3.80	46.23	0.024590		
	4.18	-24.23	-0.012888		
16QAM					
25	3.50	-11.17	-0.005941	Within authorized band for Band 2	Pass
	3.80	-11.66	-0.006202		
	4.18	32.70	0.017394		

Note: Only the worst case shown in the report.

LTE Band 4 part:

Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 Frequency=1732.5MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.80	-30	-8.65	-0.004993	Within authorized band for Band 4	Pass
	-20	16.77	0.009680		
	-10	34.58	0.019960		
	0	14.51	0.008375		
	10	18.22	0.010517		
	20	42.00	0.024242		
	30	3.85	0.002222		
	40	19.34	0.011163		
	50	35.89	0.020716		
16QAM					
3.80	-30	23.35	0.013478	Within authorized band for Band 4	Pass
	-20	37.19	0.021466		
	-10	15.64	0.009027		
	0	17.41	0.010049		
	10	25.91	0.014955		
	20	18.37	0.010603		
	30	29.60	0.017085		
	40	32.13	0.018545		
	50	10.87	0.006274		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.50	-16.71	-0.009645	Within authorized band for Band 4	Pass
	3.80	8.07	0.004658		
	4.18	-8.30	-0.004791		
16QAM					
25	3.50	27.88	0.016092	Within authorized band for Band 4	Pass
	3.80	39.64	0.022880		
	4.18	33.26	0.019198		
Note: Only the worst case shown in the report.					

Note: Only the worst case shown in the report.

LTE Band 5 part:

Reference Frequency: LTE Band 5(10MHz) Middle channel=20525 Frequency=836.5MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.80	-30	3.06	0.003658	Within authorized band for Band 5	Pass
	-20	-17.12	-0.020466		
	-10	-26.87	-0.032122		
	0	-34.32	-0.041028		
	10	-44.36	-0.053030		
	20	-12.16	-0.014537		
	30	-8.67	-0.010365		
	40	4.88	0.005834		
	50	-6.88	-0.008225		
16QAM					
3.80	-30	12.12	0.014489	Within authorized band for Band 5	Pass
	-20	19.76	0.023622		
	-10	32.80	0.039211		
	0	48.29	0.057729		
	10	3.91	0.004674		
	20	9.51	0.011369		
	30	-2.60	-0.003108		
	40	-5.92	-0.007077		
	50	-1.39	-0.001662		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.50	-12.55	-0.015003	Within authorized band for Band 5	Pass
	3.80	4.91	0.005870		
	4.18	-39.32	-0.047005		
16QAM					
25	3.50	13.75	0.016438	Within authorized band for Band 5	Pass
	3.80	-9.86	-0.011787		
	4.18	34.66	0.041435		
Note: Only the worst case shown in the report.					

Note: Only the worst case shown in the report.

LTE Band 7 part:

Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.80	-30	-14.71	-0.005803	Within authorized band for Band 7	Pass
	-20	-36.09	-0.014237		
	-10	-23.75	-0.009369		
	0	-36.89	-0.014552		
	10	-19.73	-0.007783		
	20	-30.90	-0.012189		
	30	-40.73	-0.016067		
	40	-29.20	-0.011519		
	50	-13.56	-0.005349		
16QAM					
3.80	-30	15.98	0.006304	Within authorized band for Band 7	Pass
	-20	22.62	0.008923		
	-10	40.17	0.015846		
	0	30.90	0.012189		
	10	46.75	0.018442		
	20	35.23	0.013897		
	30	-22.40	-0.008836		
	40	5.28	0.002083		
	50	36.62	0.014446		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.50	17.01	0.006710	Within authorized band for Band 7	Pass
	3.80	28.01	0.011049		
	4.18	-25.45	-0.010039		
16QAM					
25	3.50	14.10	0.005562	Within authorized band for Band 7	Pass
	3.80	18.07	0.007128		
	4.18	-6.81	-0.002686		
Note: Only the worst case shown in the report.					

Note: Only the worst case shown in the report.