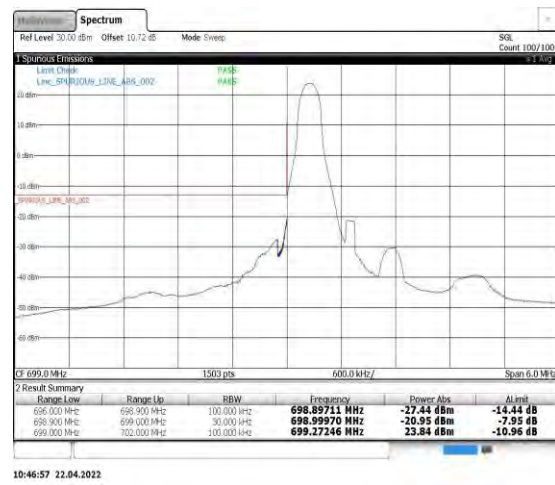
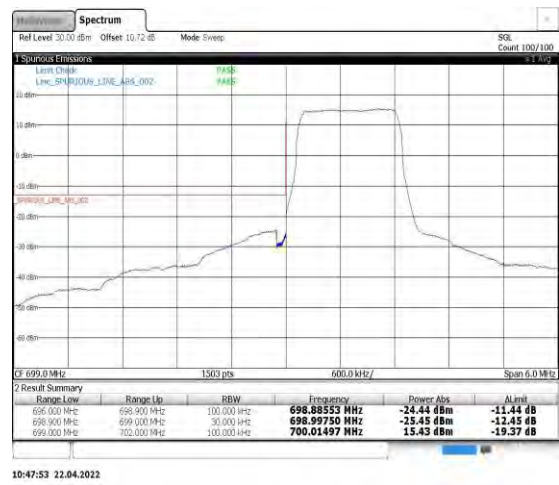


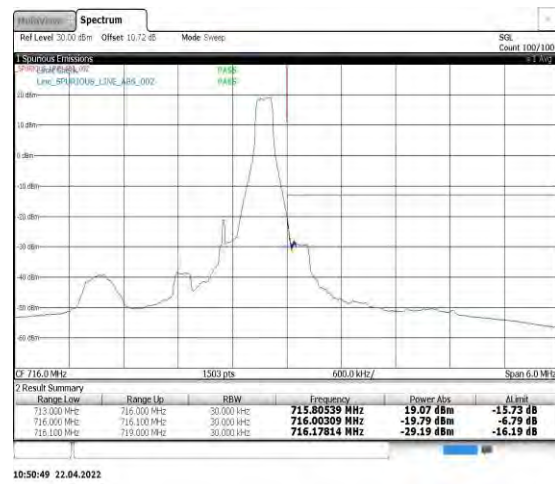
LTE Band 12



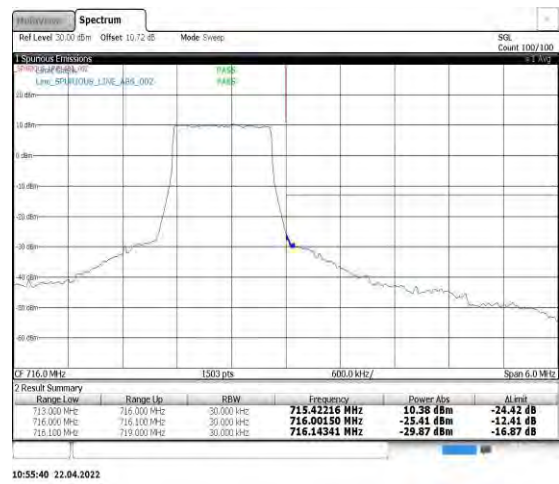
Band12-1.4MHz-QPSK-23017-1RB#0



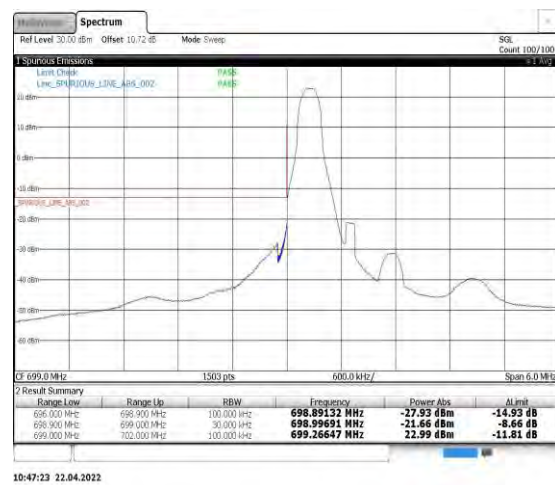
Band12-1.4MHz-QPSK-23017-6RB#0



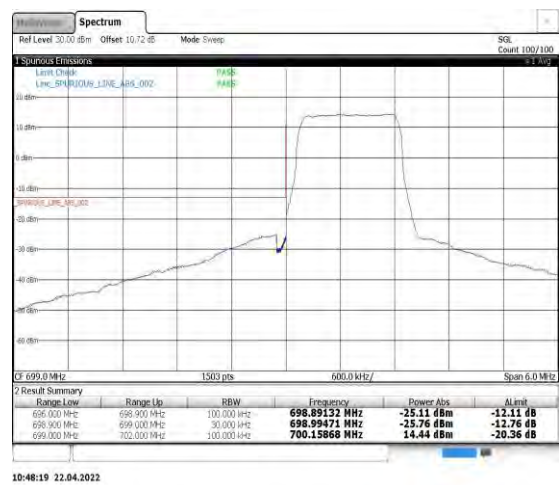
Band12-1.4MHz-QPSK-23173-1RB#5



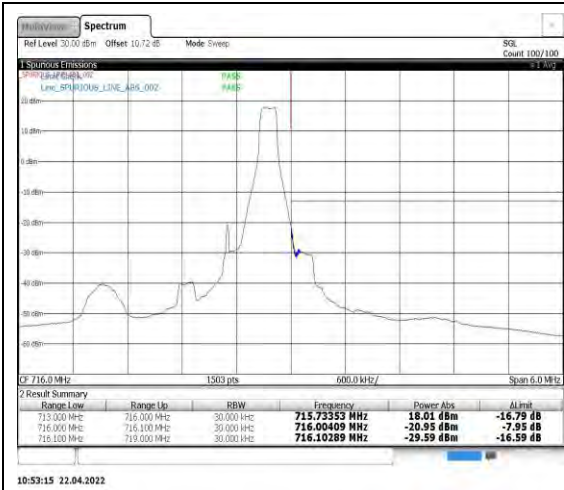
Band12-1.4MHz-QPSK-23173-6RB#0



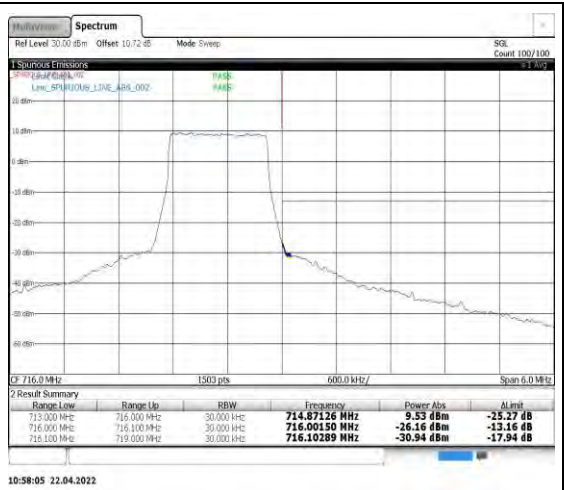
Band12-1.4MHz-16QAM-23017-1RB#0



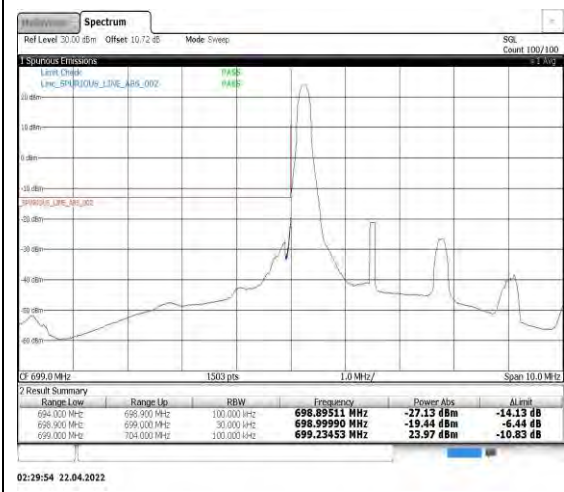
Band12-1.4MHz-16QAM-23017-6RB#0



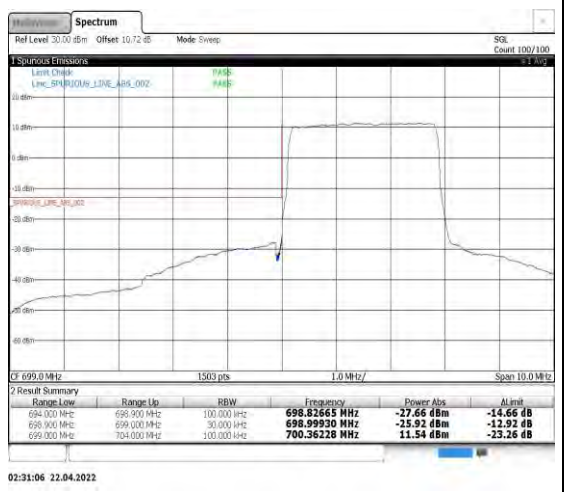
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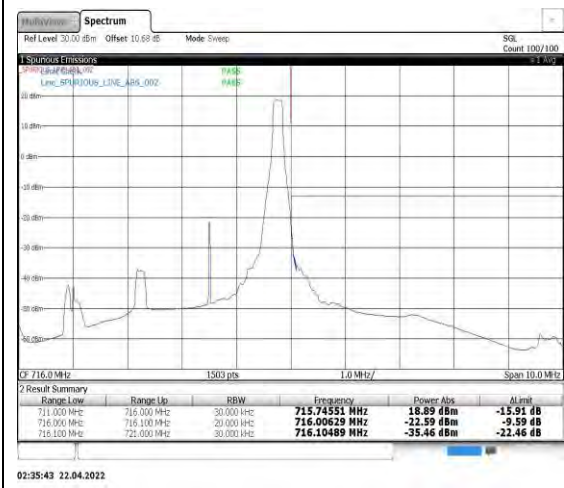
Band12-1.4MHz-16QAM-23173-6RB#0



Band12-3MHz-QPSK-23025-1RB#0



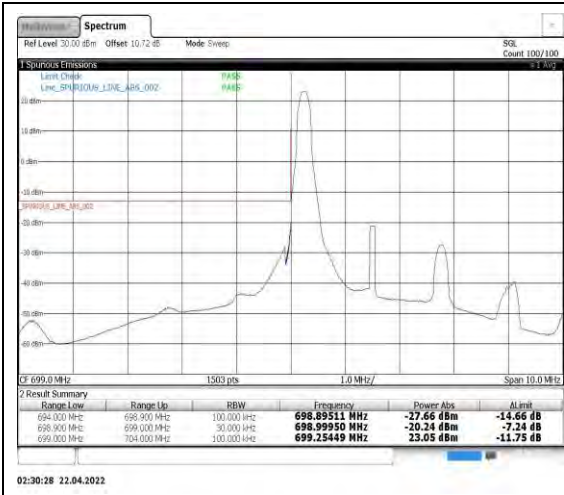
Band12-3MHz-QPSK-23025-15RB#0



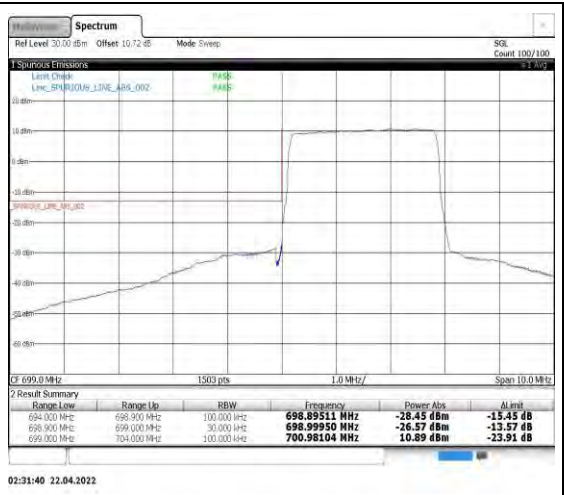
Band12-3MHz-QPSK-23165-1RB#14



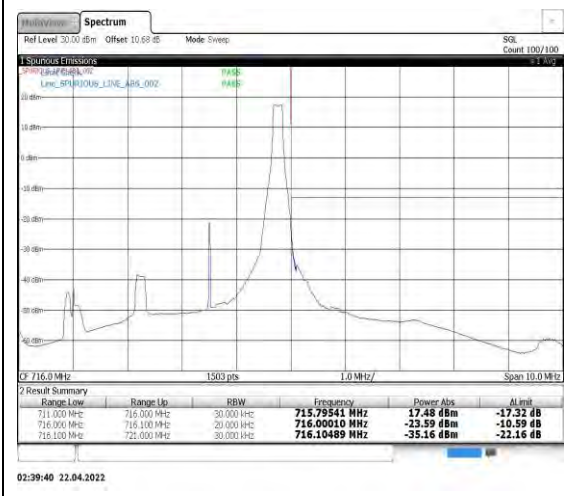
Band12-3MHz-QPSK-23165-15RB#0



Band12-3MHz-16QAM-23025-1RB#0



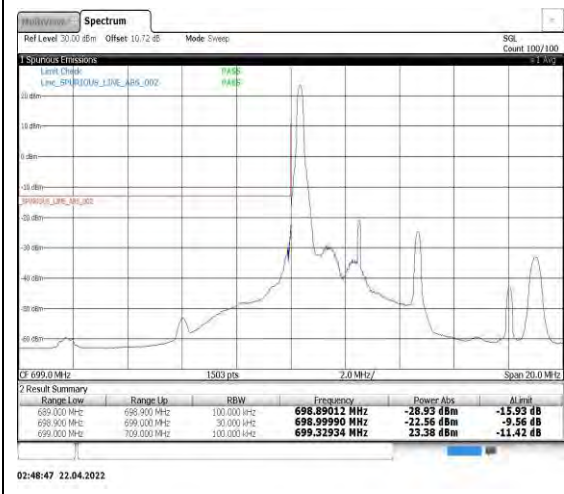
Band12-3MHz-16QAM-23025-15RB#0



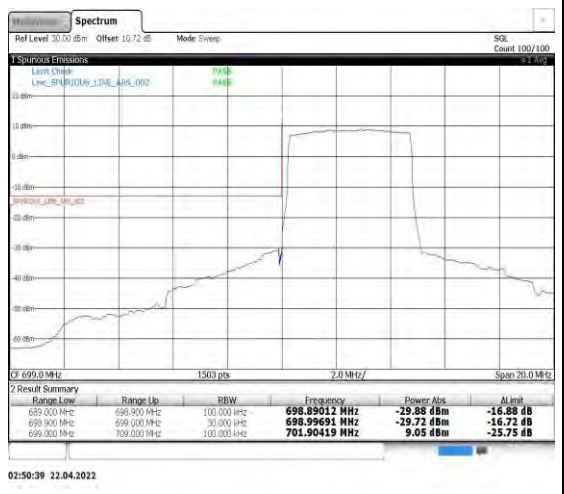
Band12-3MHz-16QAM-23165-1RB#14



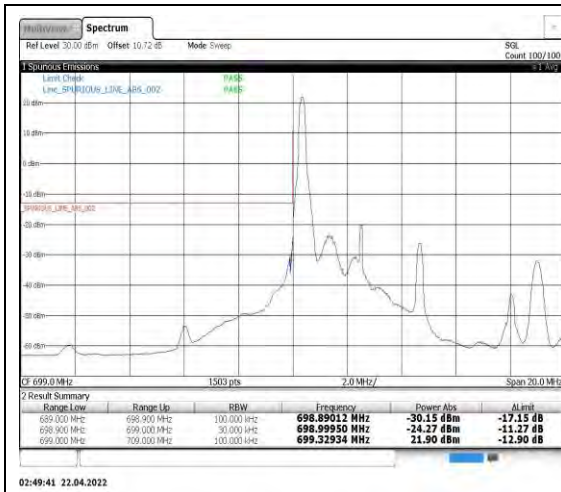
Band12-3MHz-16QAM-23165-15RB#0



Band12-5MHz-QPSK-23035-1RB#0



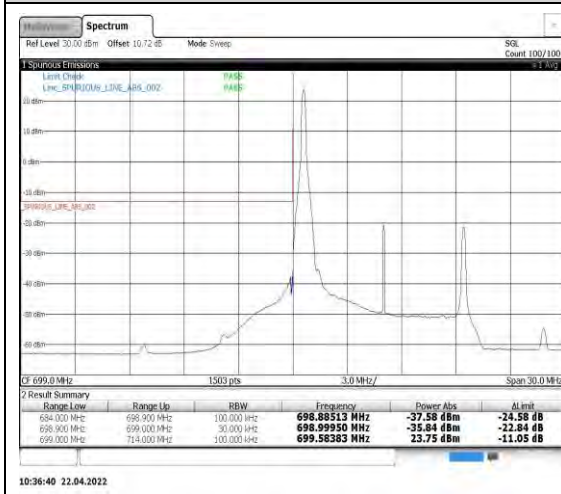
Band12-5MHz-QPSK-23035-25RB#0



Band12-5MHz-16QAM-23035-1RB#0



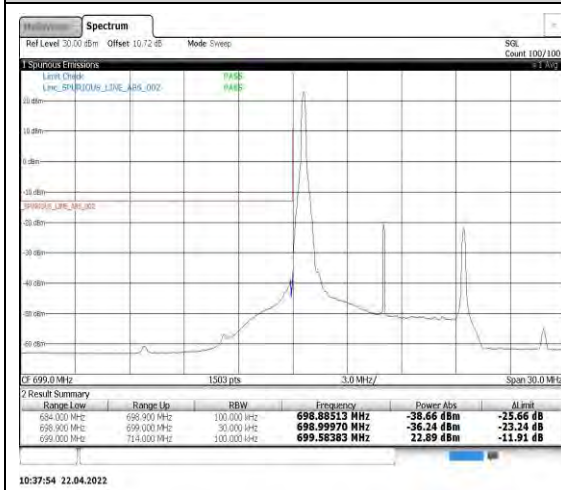
Band12-5MHz-16QAM-23035-25RB#0



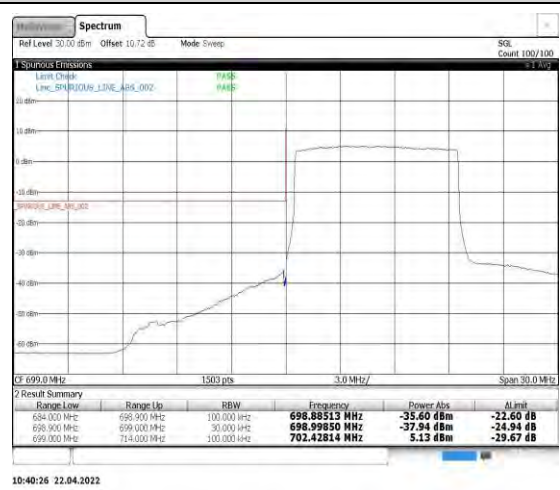
Band12-10MHz-QPSK-23060-1RB#0



Band12-10MHz-QPSK-23060-50RB#0

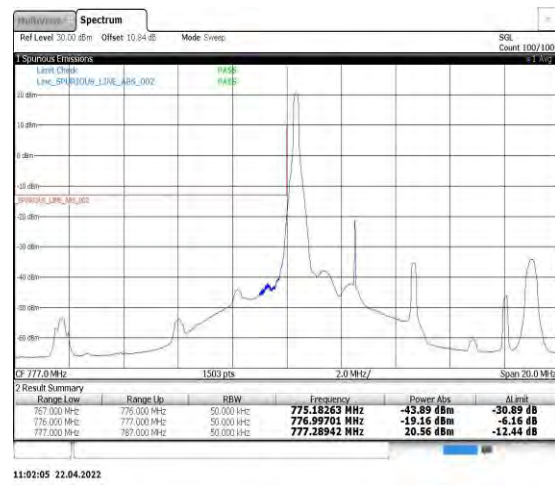


Band12-10MHz-16QAM-23060-1RB#0

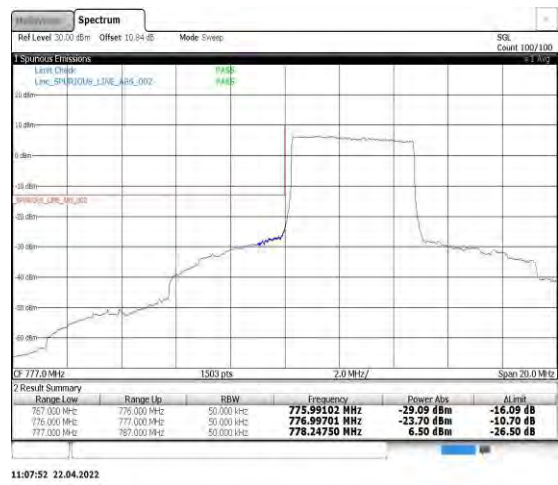


Band12-10MHz-16QAM-23060-50RB#0

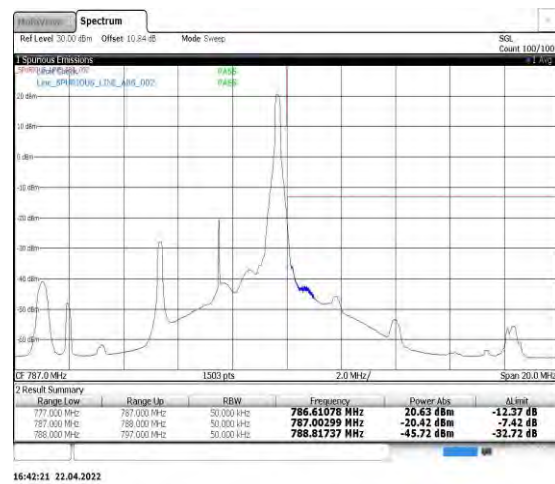
LTE Band 13



Band13-5MHz-QPSK-23205-1RB#0



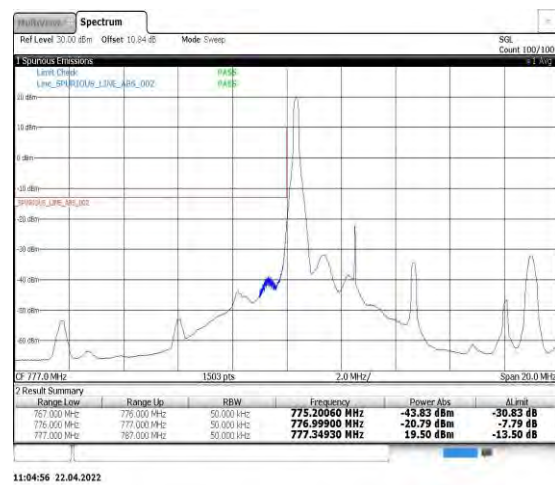
Band13-5MHz-QPSK-23205-25RB#0



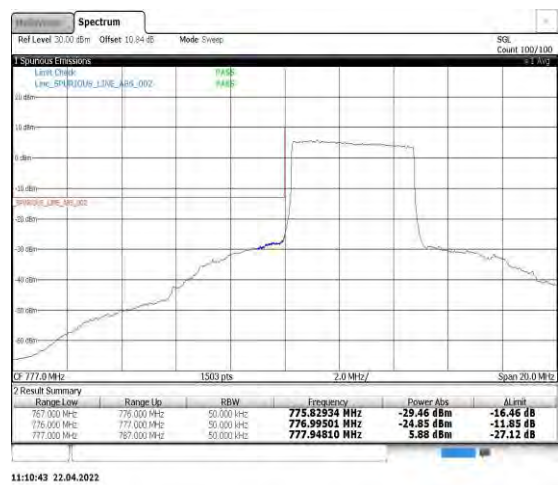
Band13-5MHz-QPSK-23255-1RB#24



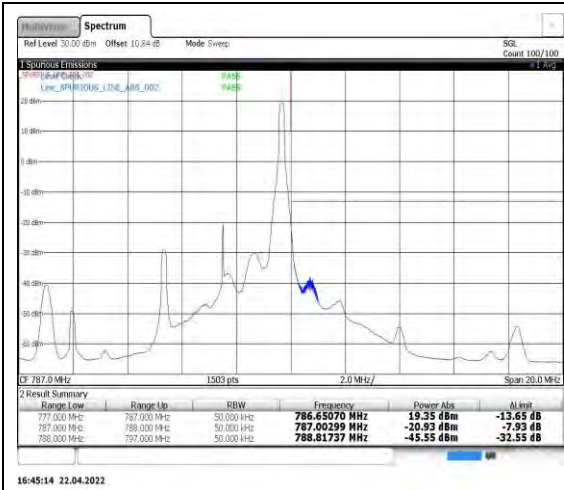
Band13-5MHz-QPSK-23255-25RB#0



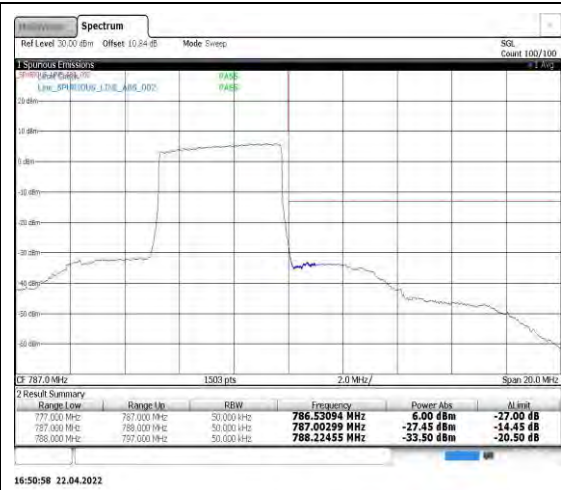
Band13-5MHz-16QAM-23205-1RB#0



Band13-5MHz-16QAM-23205-25RB#0

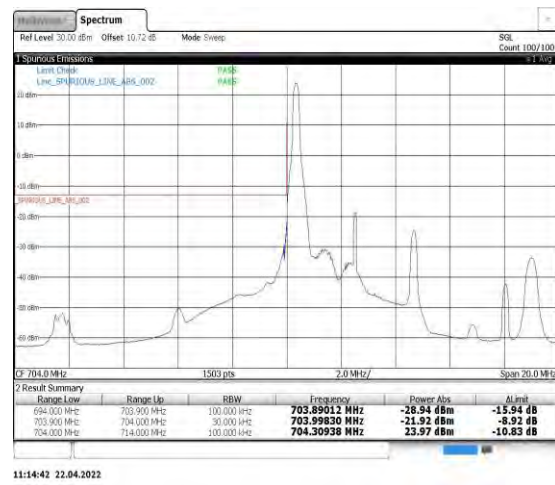


Band13-5MHz-16QAM-23255-1RB#24

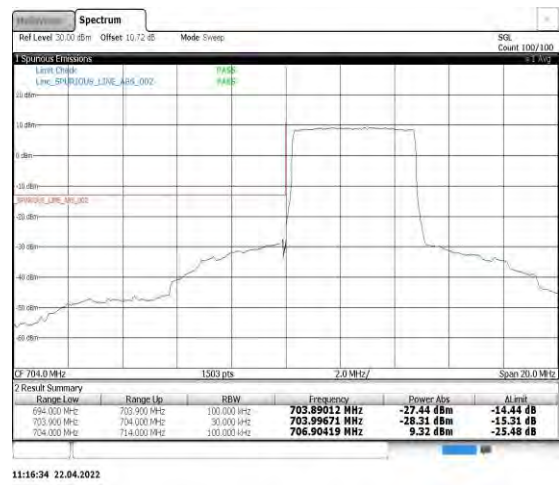


Band13-5MHz-16QAM-23255-25RB#0

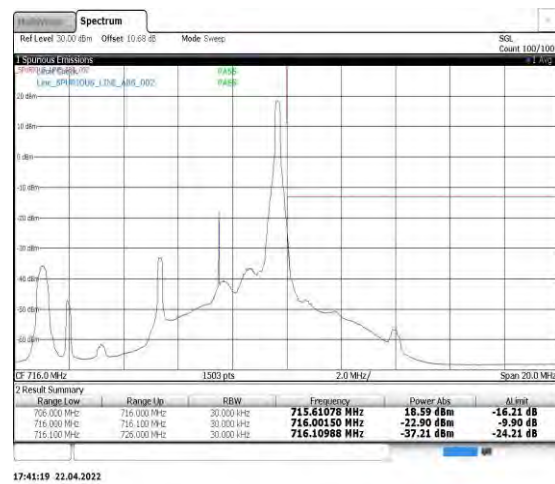
LTE Band 17



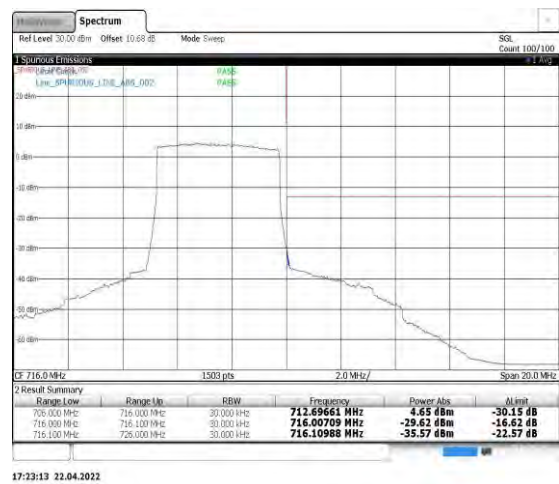
Band17-5MHz-QPSK-23755-1RB#0



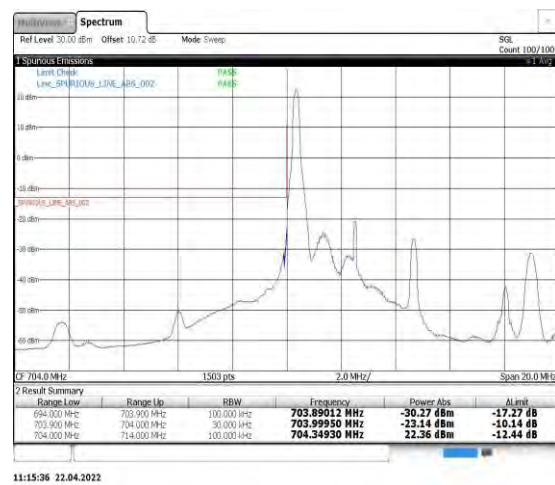
Band17-5MHz-QPSK-23755-25RB#0



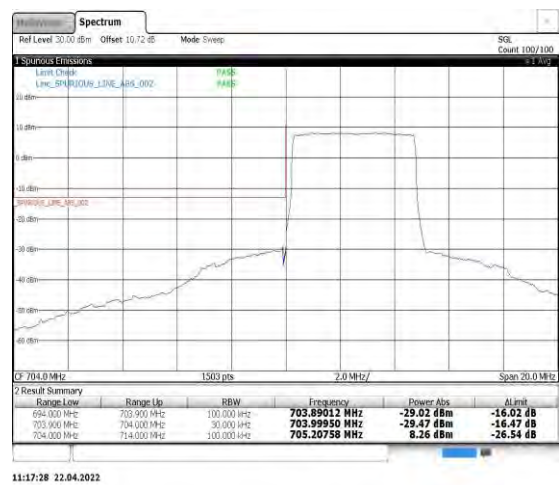
Band17-5MHz-QPSK-23825-1RB#24



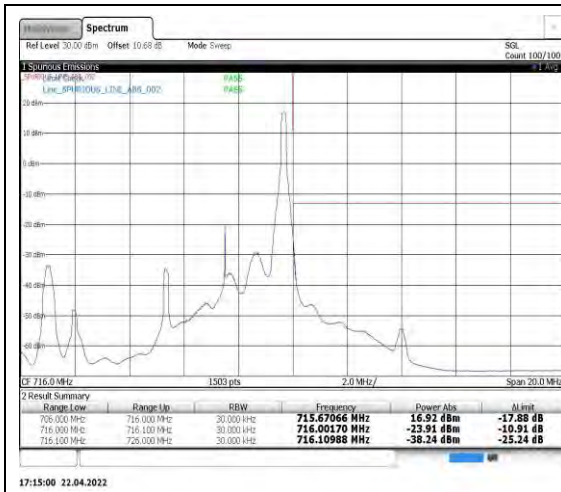
Band17-5MHz-QPSK-23825-25RB#0



Band17-5MHz-16QAM-23755-1RB#0

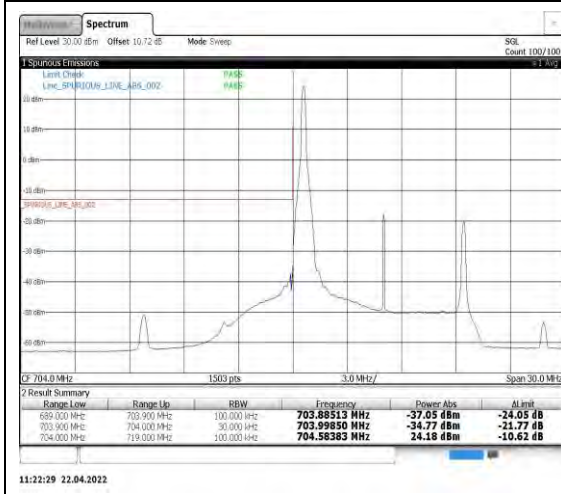


Band17-5MHz-16QAM-23755-25RB#0



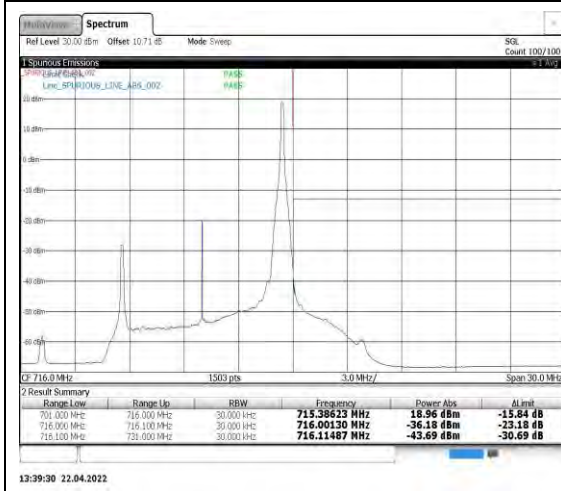
Band17-5MHz-16QAM-23825-1RB#24

Band17-5MHz-16QAM-23825-25RB#0



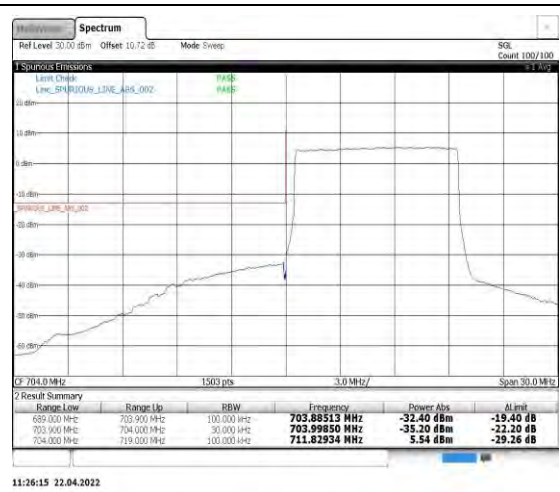
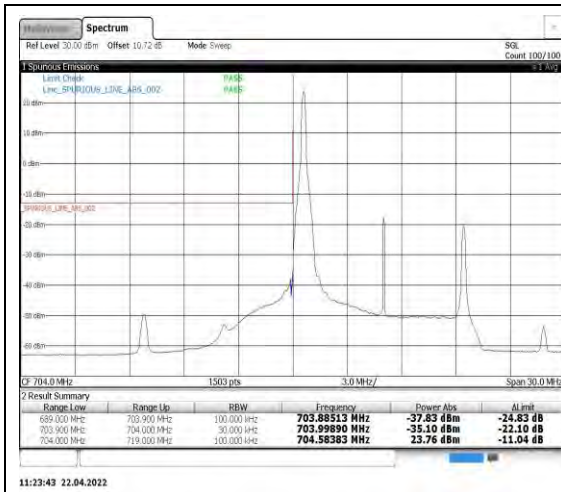
Band17-10MHz-QPSK-23780-1RB#0

Band17-10MHz-QPSK-23780-50RB#0



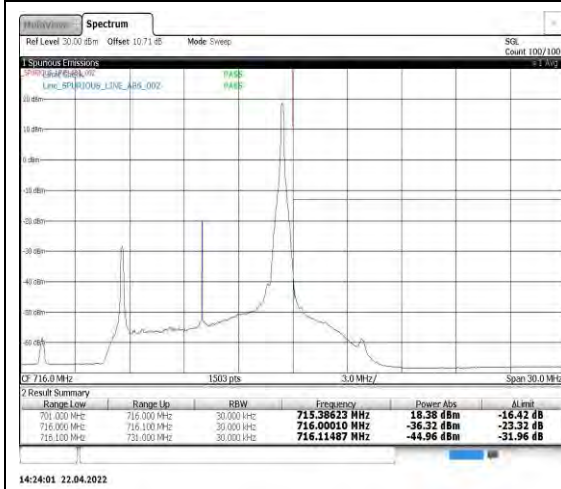
Band17-10MHz-QPSK-23800-1RB#49

Band17-10MHz-QPSK-23800-50RB#0



Band17-10MHz-16QAM-23780-1RB#0

Band17-10MHz-16QAM-23780-50RB#0



Band17-10MHz-16QAM-23800-1RB#49

Band17-10MHz-16QAM-23800-50RB#0

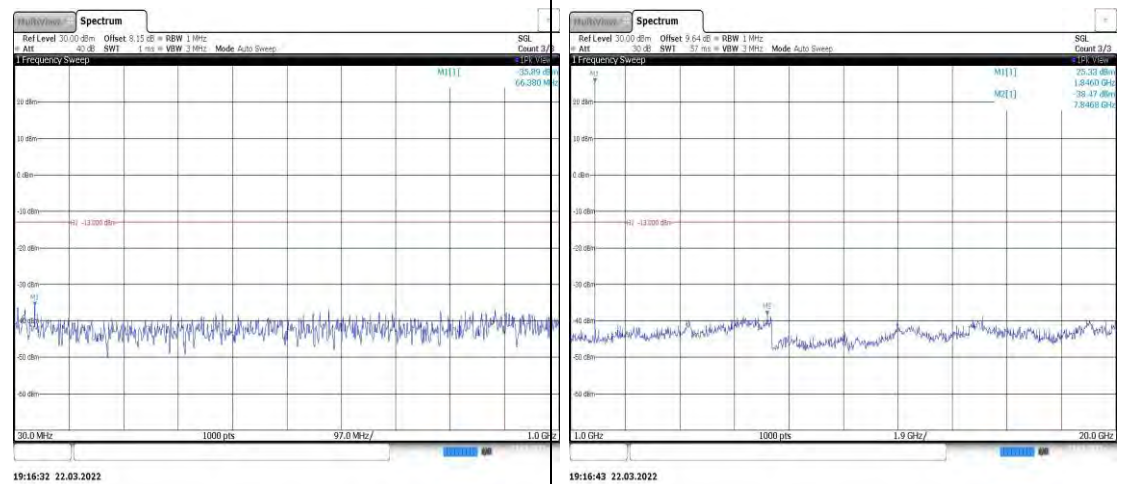
Appendix D: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz 3MHz 5MHz 10MHz 15MHz 20MHz	QPSK	Low channel, Middle channel, High channel (1RB#0)	Range1:30~1000MHz Range2:1000~20000MHz	See below plots	PASS
Band4	1.4MHz 3MHz 5MHz 10MHz 15MHz 20MHz	QPSK	Low channel, Middle channel, High channel (1RB#0)	Range1:30~1000MHz Range2:1000~20000MHz	See below plots	PASS
Band5	1.4MHz 3MHz 5MHz 10MHz	QPSK	Low channel, Middle channel, High channel (1RB#0)	Range1:30~1000MHz Range2:1000~2000MHz Range3:2000~20000MHz	See below plots	PASS
Band12	1.4MHz 3MHz 5MHz 10MHz	QPSK	Low channel, Middle channel, High channel (1RB#0)	Range1:30~1000MHz Range2:1000~2000MHz Range3:2000~20000MHz	See below plots	PASS
Band13	5MHz 10MHz	QPSK	Low channel, Middle channel, High channel (1RB#0)	Range1:30~1000MHz Range2:1000~2000MHz Range3:2000~20000MHz	See below plots	PASS
Band17	5MHz 10MHz	QPSK	Low channel, Middle channel, High channel (1RB#0)	Range1:30~1000MHz Range2:1000~2000MHz Range3:2000~20000MHz	See below plots	PASS

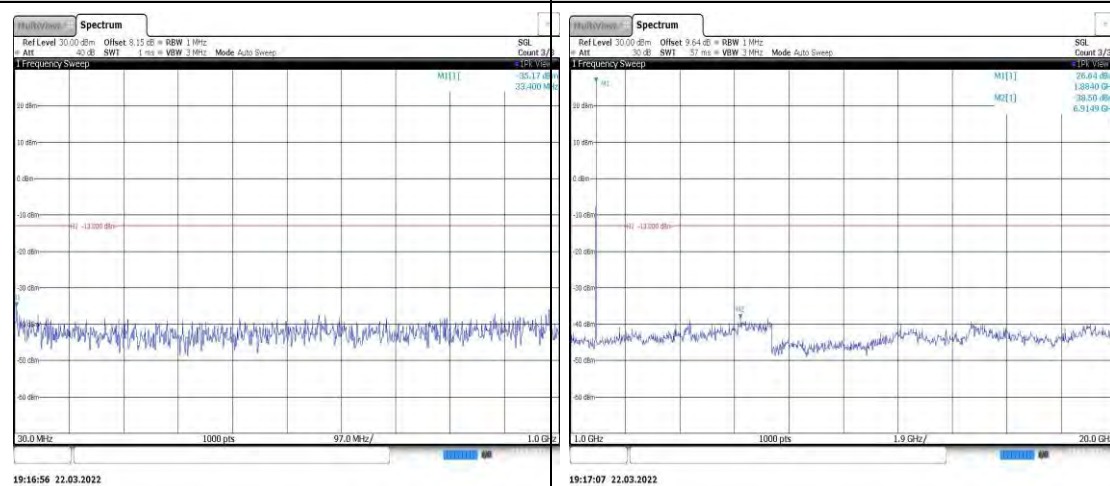
Test Graphs

LTE Band 2



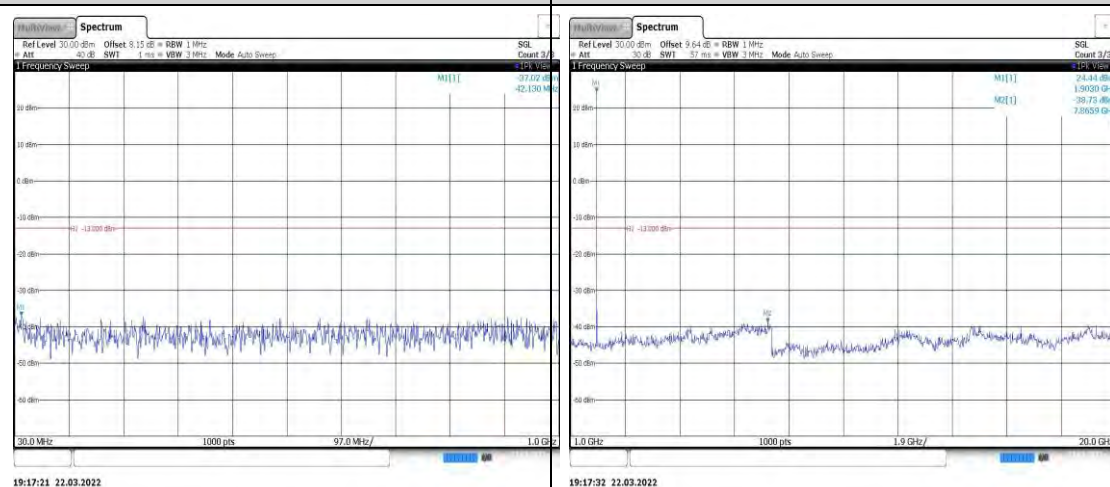
Band2-1.4MHz-QPSK-18607-1RB#0-Range
1:30~1000MHz

Band2-1.4MHz-QPSK-18607-1RB#0-Range2:
1000~20000MHz



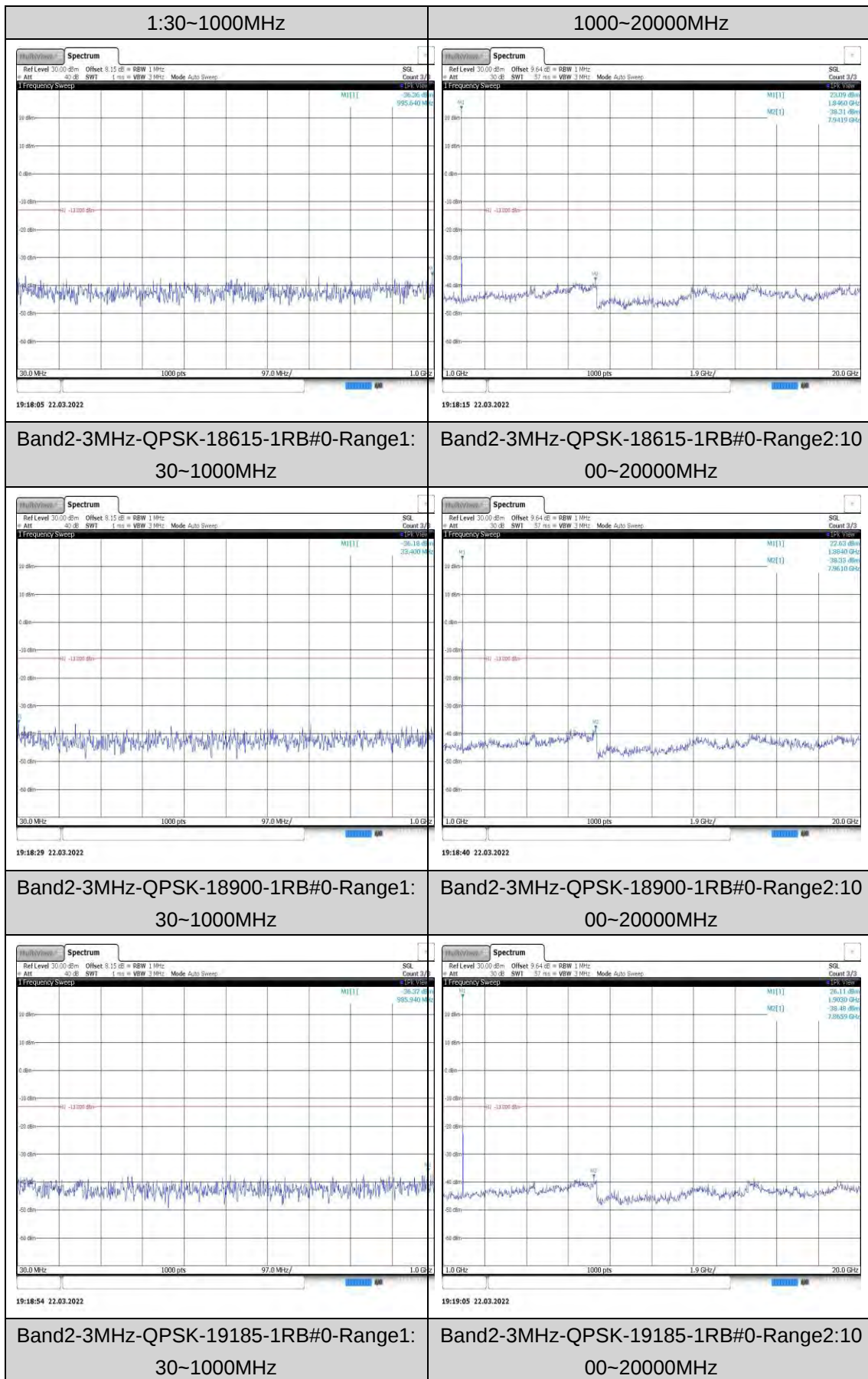
Band2-1.4MHz-QPSK-18900-1RB#0-Range
1:30~1000MHz

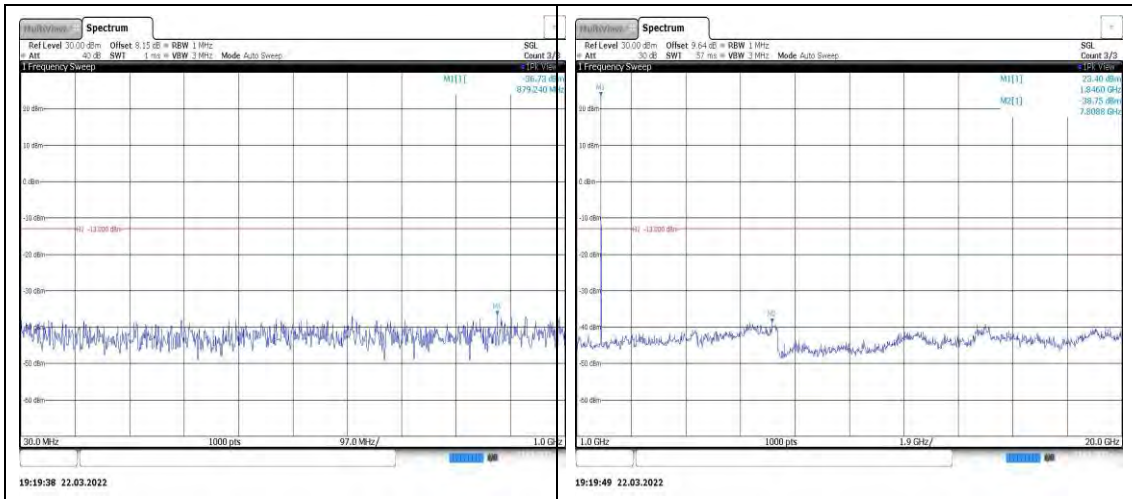
Band2-1.4MHz-QPSK-18900-1RB#0-Range2:
1000~20000MHz



Band2-1.4MHz-QPSK-19193-1RB#0-Range

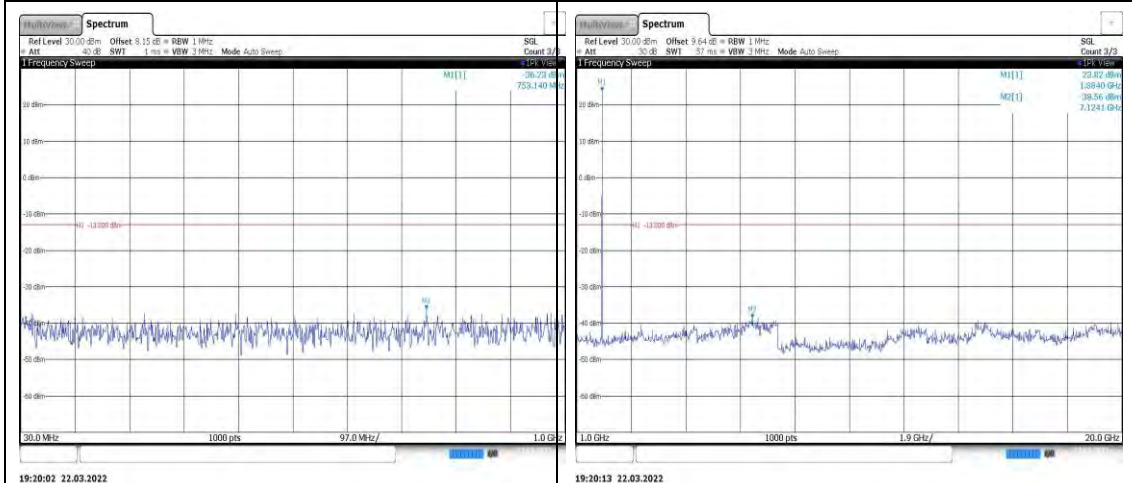
Band2-1.4MHz-QPSK-19193-1RB#0-Range2:





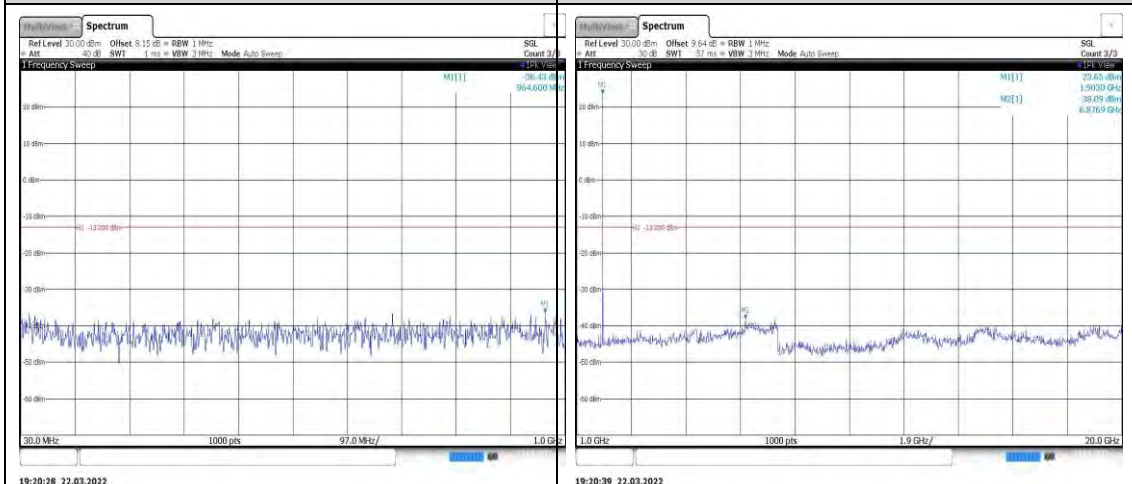
Band2-5MHz-QPSK-18625-1RB#0-Range1:
30~1000MHz

Band2-5MHz-QPSK-18625-1RB#0-Range2:10
00~20000MHz



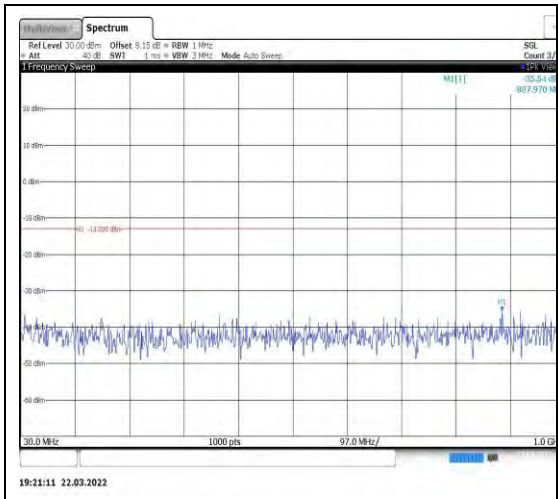
Band2-5MHz-QPSK-18900-1RB#0-Range1:
30~1000MHz

Band2-5MHz-QPSK-18900-1RB#0-Range2:10
00~20000MHz

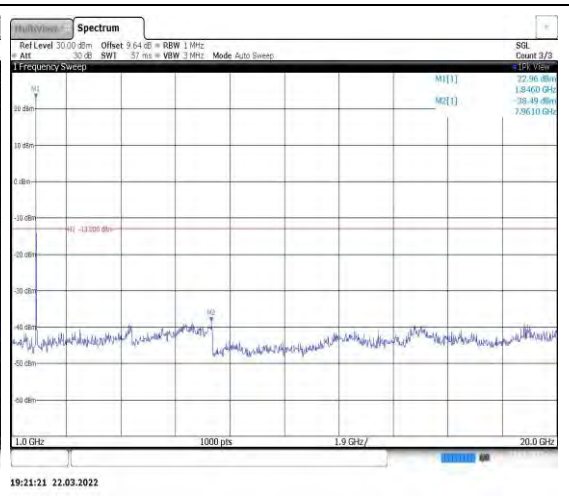


Band2-5MHz-QPSK-19175-1RB#0-Range1:
30~1000MHz

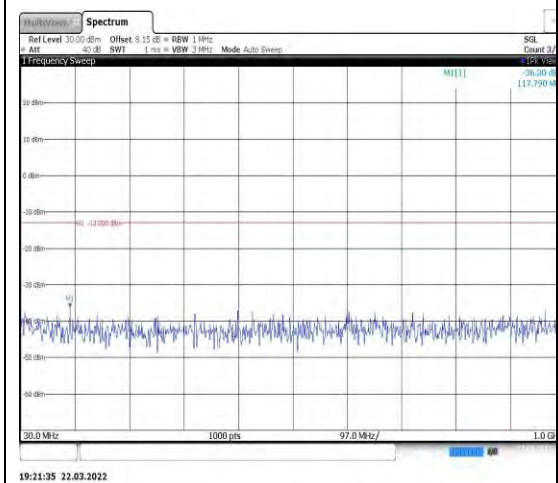
Band2-5MHz-QPSK-19175-1RB#0-Range2:10
00~20000MHz



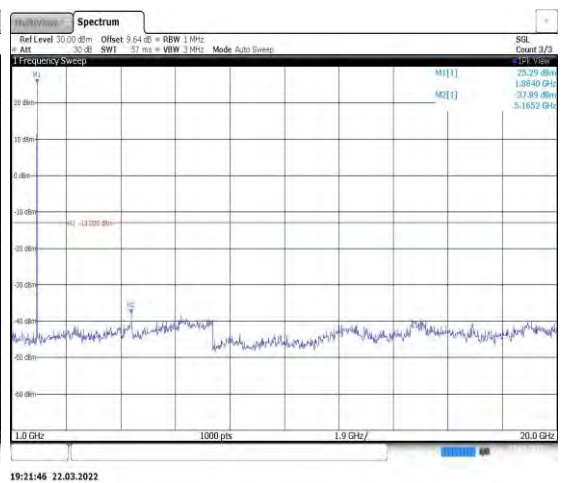
Band2-10MHz-QPSK-18650-1RB#0-Range
1:30~1000MHz



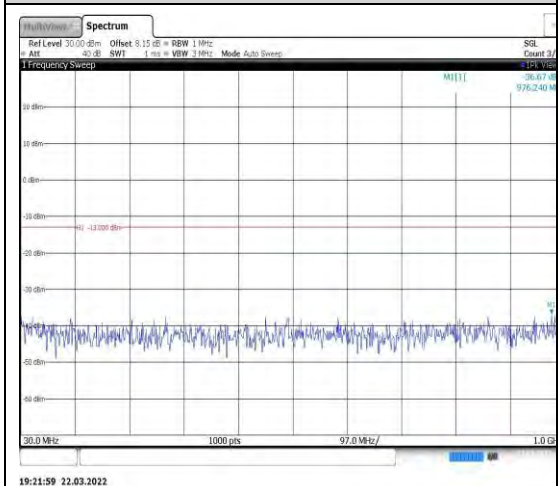
Band2-10MHz-QPSK-18650-1RB#0-Range2:1
000~20000MHz



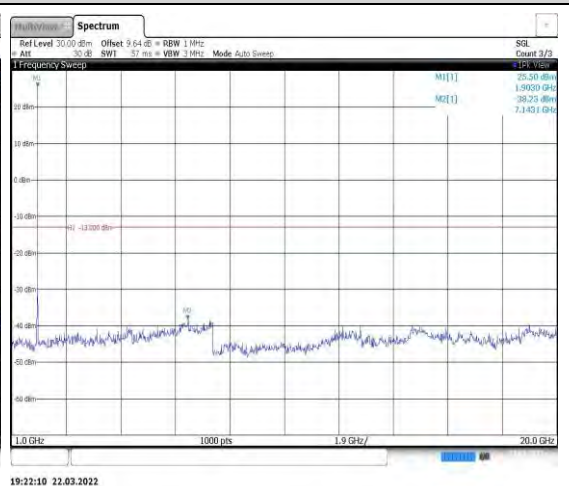
Band2-10MHz-QPSK-18900-1RB#0-Range
1:30~1000MHz



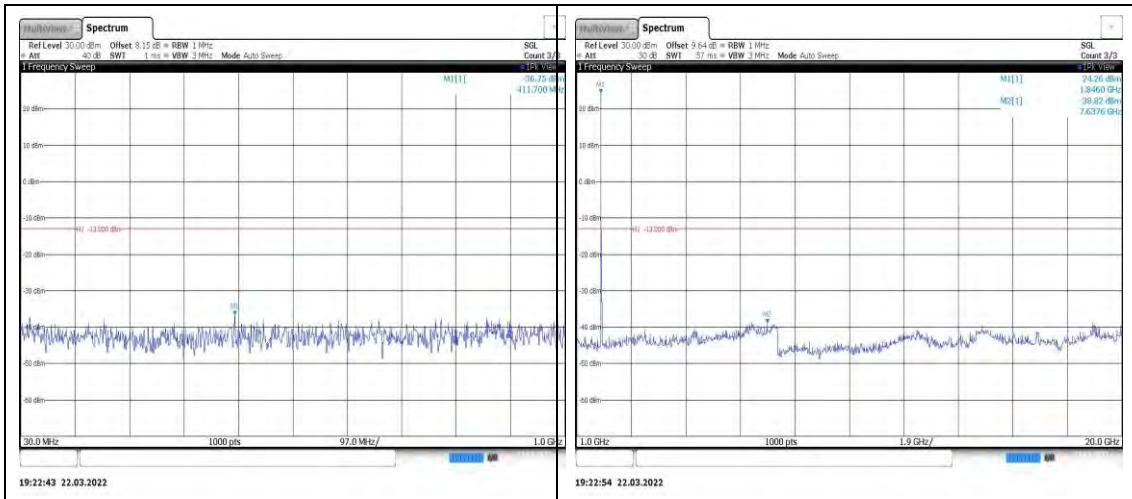
Band2-10MHz-QPSK-18900-1RB#0-Range2:1
000~20000MHz



Band2-10MHz-QPSK-19150-1RB#0-Range
1:30~1000MHz

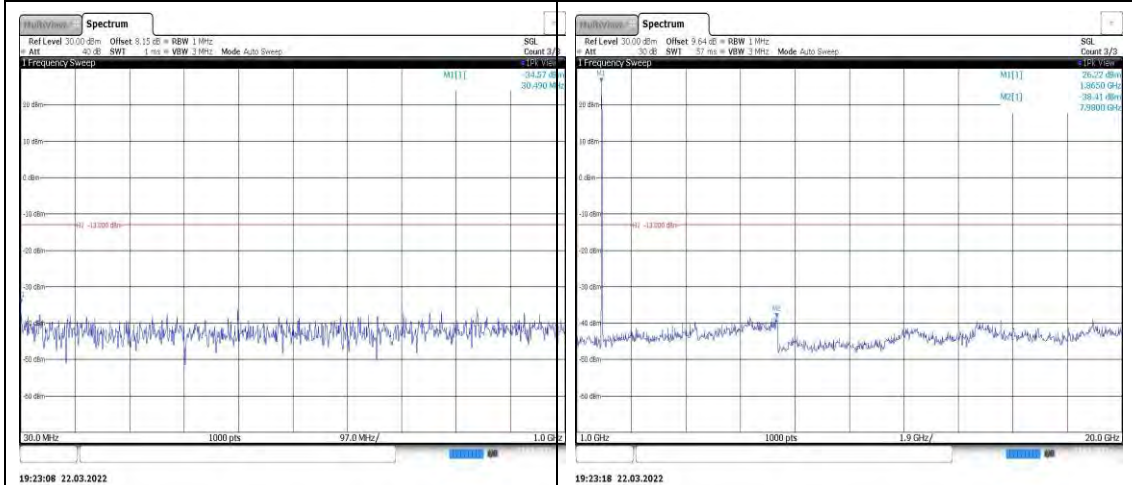


Band2-10MHz-QPSK-19150-1RB#0-Range2:1
000~20000MHz



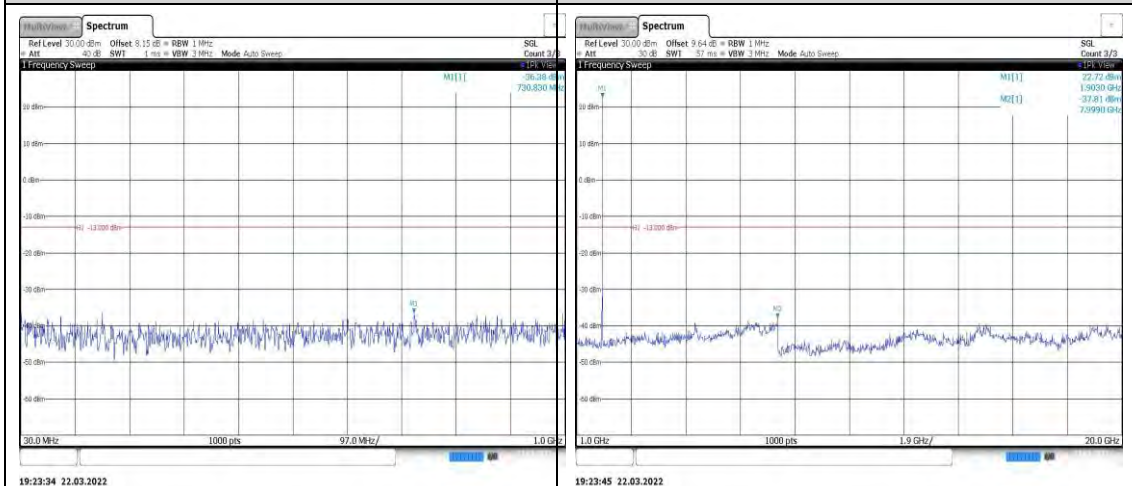
Band2-15MHz-QPSK-18675-1RB#0-Range
1:30~1000MHz

Band2-15MHz-QPSK-18675-1RB#0-Range2:1
000~20000MHz



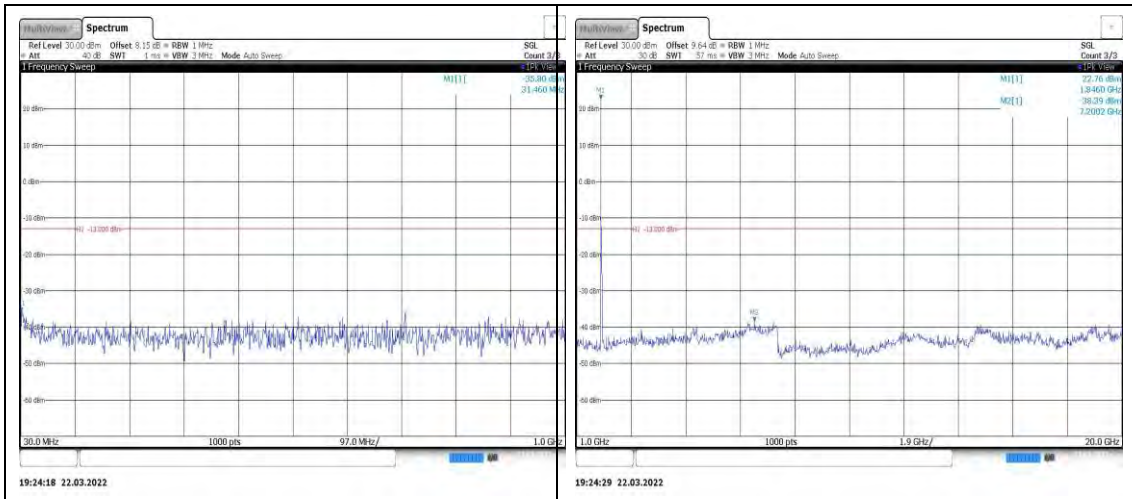
Band2-15MHz-QPSK-18900-1RB#0-Range
1:30~1000MHz

Band2-15MHz-QPSK-18900-1RB#0-Range2:1
000~20000MHz



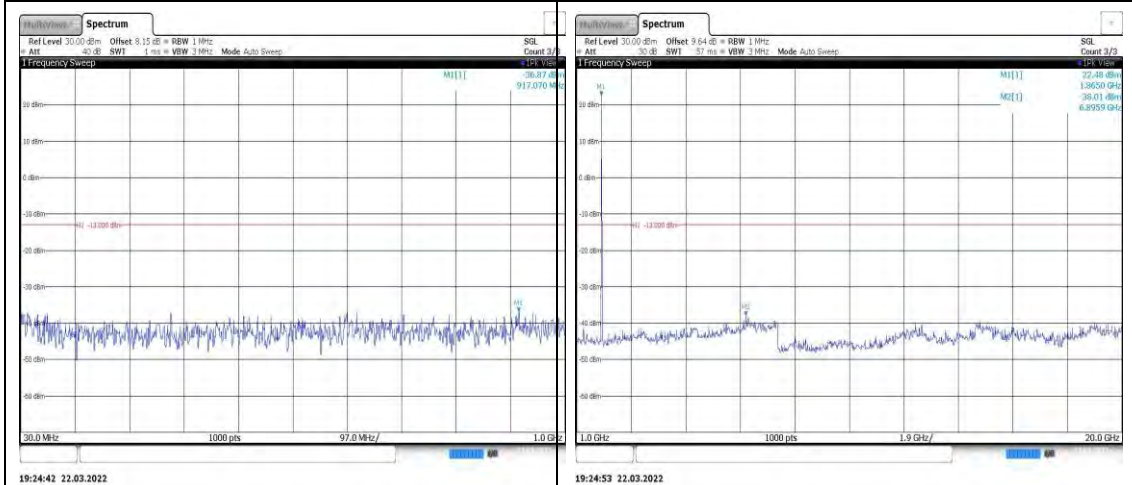
Band2-15MHz-QPSK-19125-1RB#0-Range
1:30~1000MHz

Band2-15MHz-QPSK-19125-1RB#0-Range2:1
000~20000MHz



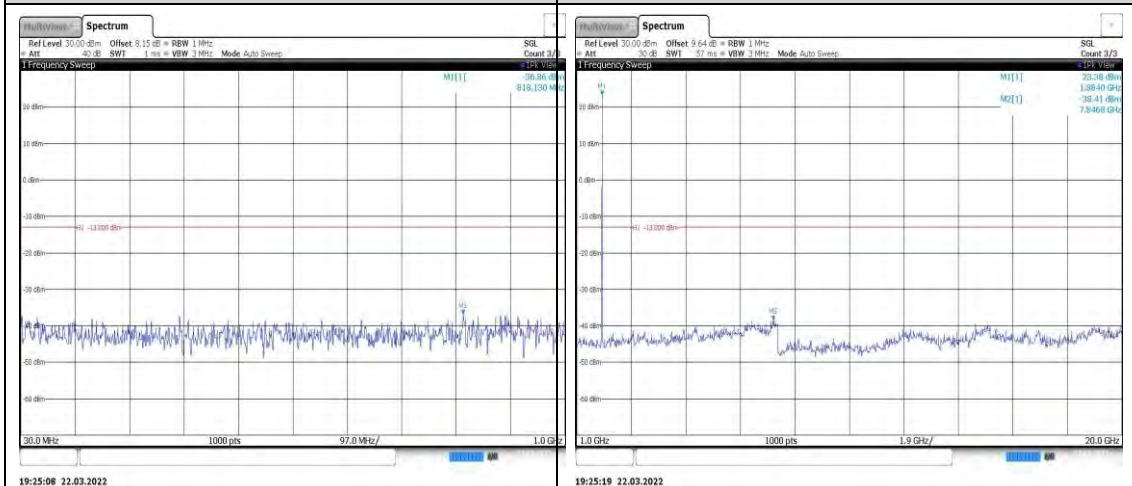
Band2-20MHz-QPSK-18700-1RB#0-Range
1:30~1000MHz

Band2-20MHz-QPSK-18700-1RB#0-Range2:1
000~20000MHz



Band2-20MHz-QPSK-18900-1RB#0-Range
1:30~1000MHz

Band2-20MHz-QPSK-18900-1RB#0-Range2:1
000~20000MHz



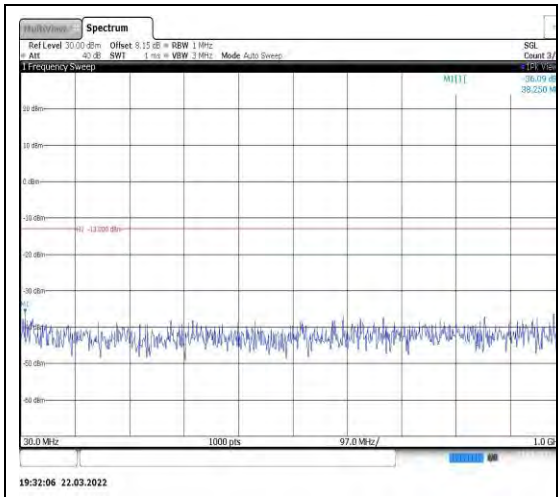
Band2-20MHz-QPSK-19100-1RB#0-Range
1:30~1000MHz

Band2-20MHz-QPSK-19100-1RB#0-Range2:1
000~20000MHz

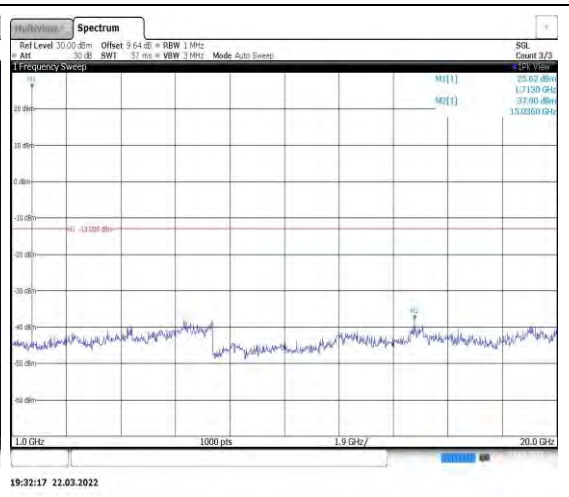
LTE Band 4

19:29:23 22.03.2022	19:29:34 22.03.2022
Band4-1.4MHz-QPSK-19957-1RB#0-Range 1:30~1000MHz	Band4-1.4MHz-QPSK-19957-1RB#0-Range2: 1000~20000MHz
19:30:10 22.03.2022	19:30:11 22.03.2022
Band4-1.4MHz-QPSK-20175-1RB#0-Range 1:30~1000MHz	Band4-1.4MHz-QPSK-20175-1RB#0-Range2: 1000~20000MHz
19:30:59 22.03.2022	19:31:10 22.03.2022
Band4-1.4MHz-QPSK-20393-1RB#0-Range 1:30~1000MHz	Band4-1.4MHz-QPSK-20393-1RB#0-Range2: 1000~20000MHz

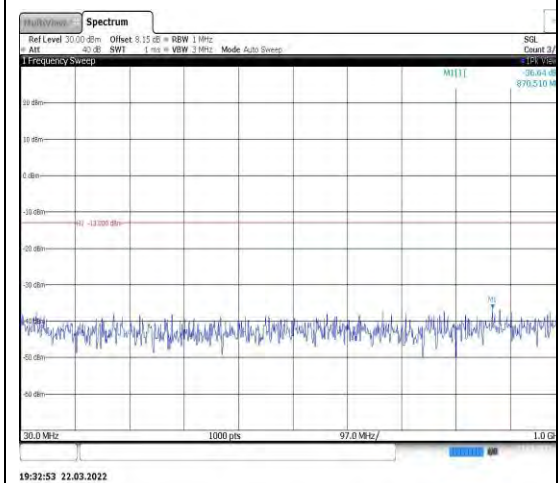
Band4-1.4MHz-QPSK-20393-1RB#0-Range 1:30~1000MHz	Band4-1.4MHz-QPSK-20393-1RB#0-Range2: 1000~20000MHz
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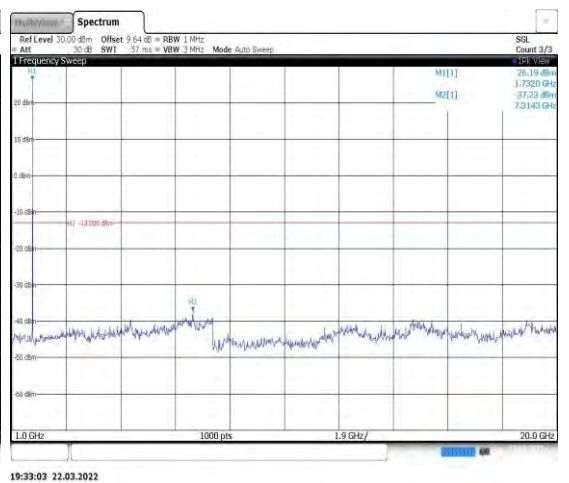
Band4-3MHz-QPSK-19965-1RB#0-Range1:
30~1000MHz



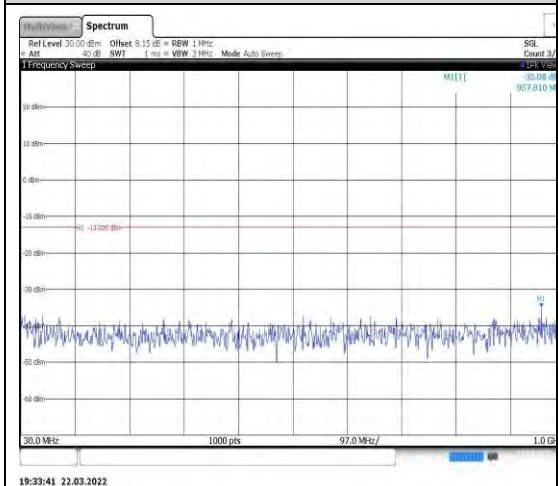
Band4-3MHz-QPSK-19965-1RB#0-Range2:10
00~20000MHz



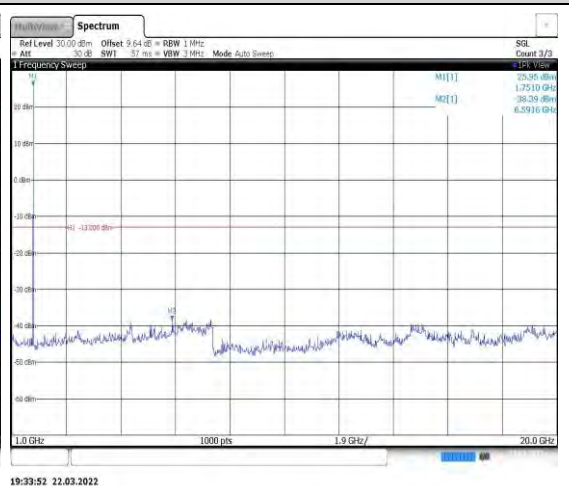
Band4-3MHz-QPSK-20175-1RB#0-Range1:
30~1000MHz



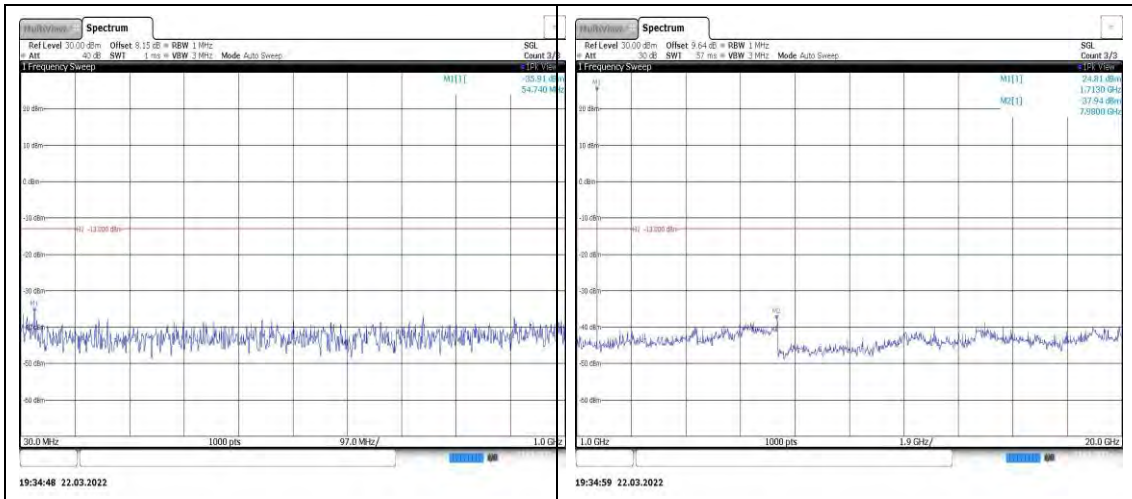
Band4-3MHz-QPSK-20175-1RB#0-Range2:10
00~20000MHz



Band4-3MHz-QPSK-20385-1RB#0-Range1:
30~1000MHz

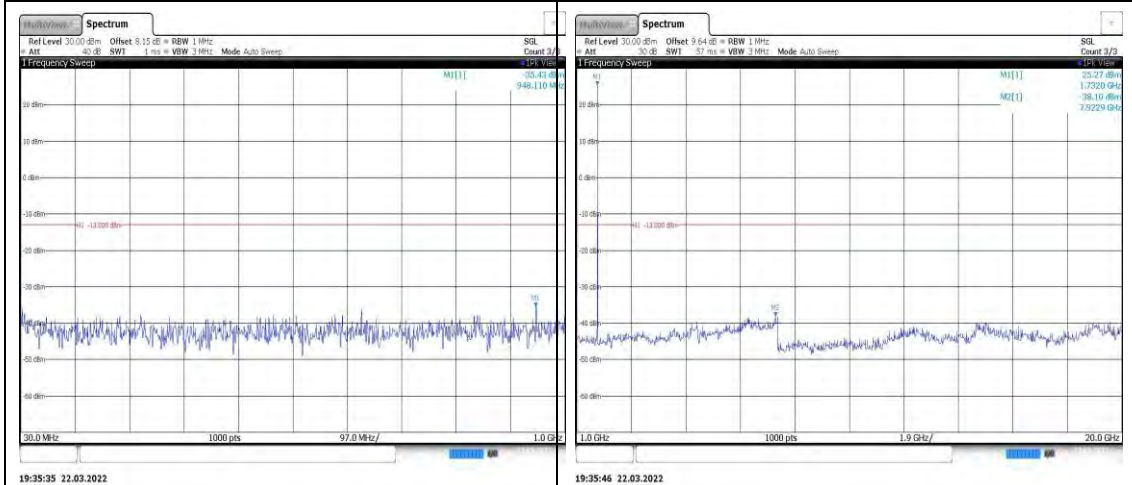


Band4-3MHz-QPSK-20385-1RB#0-Range2:10
00~20000MHz



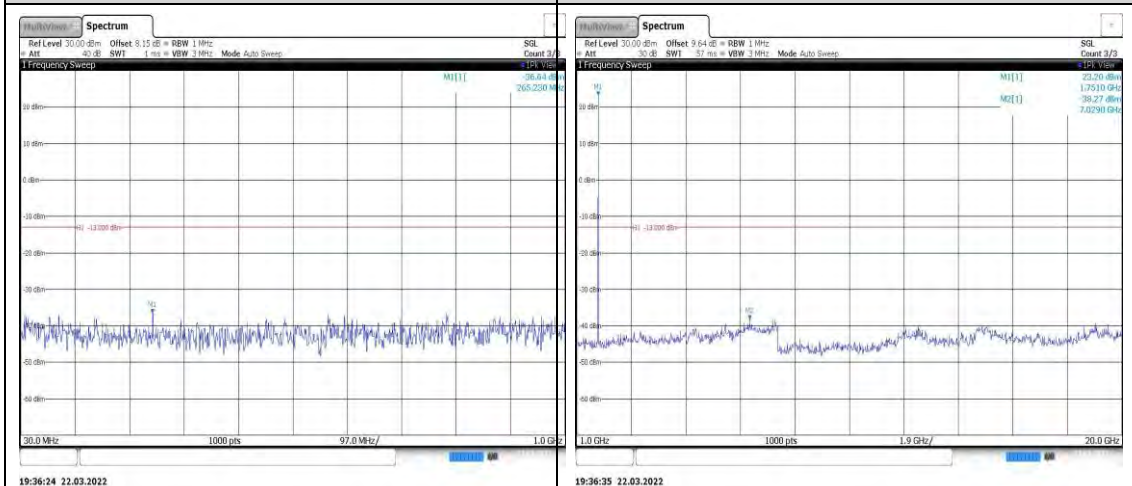
Band4-5MHz-QPSK-19975-1RB#0-Range1:
30~1000MHz

Band4-5MHz-QPSK-19975-1RB#0-Range2:10
00~20000MHz



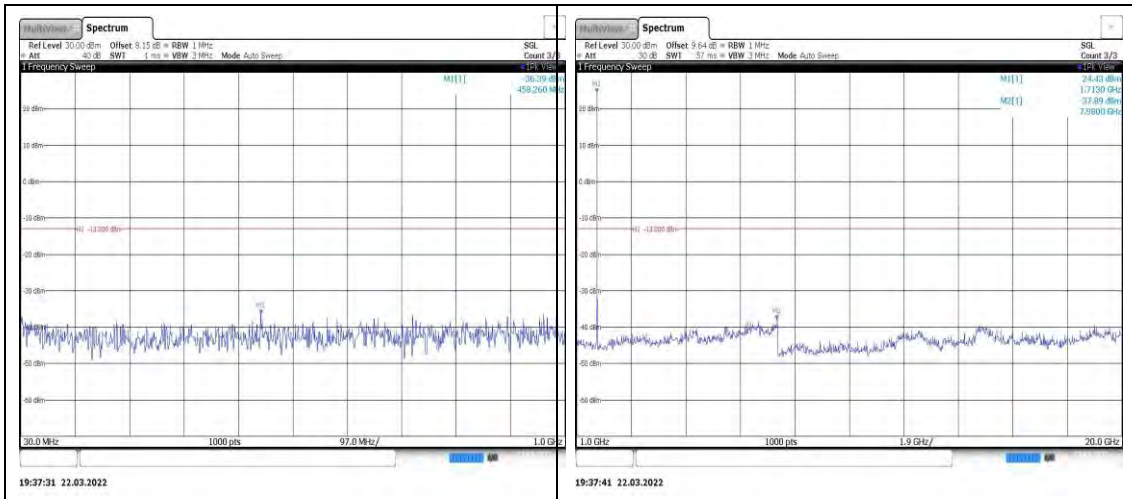
Band4-5MHz-QPSK-20175-1RB#0-Range1:
30~1000MHz

Band4-5MHz-QPSK-20175-1RB#0-Range2:10
00~20000MHz



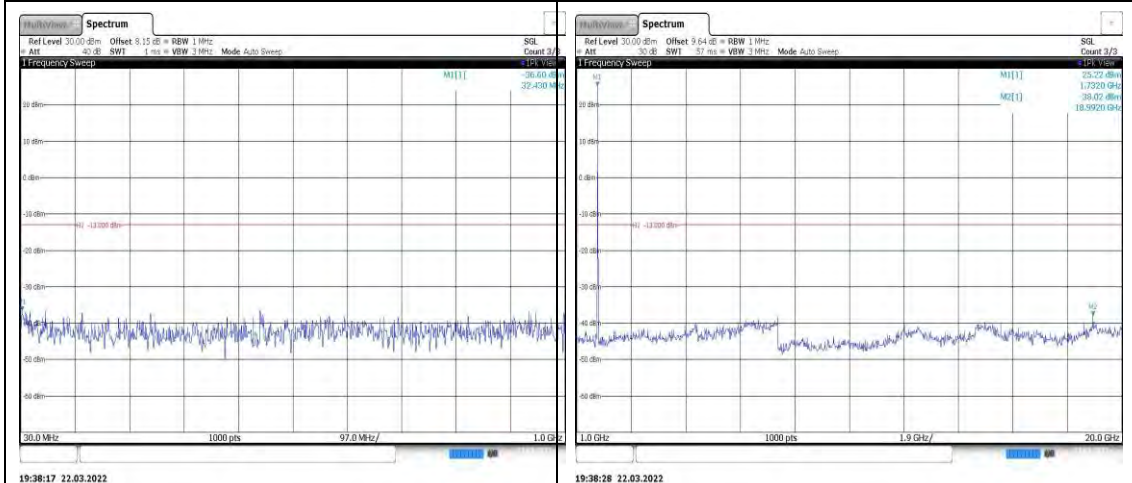
Band4-5MHz-QPSK-20375-1RB#0-Range1:
30~1000MHz

Band4-5MHz-QPSK-20375-1RB#0-Range2:10
00~20000MHz



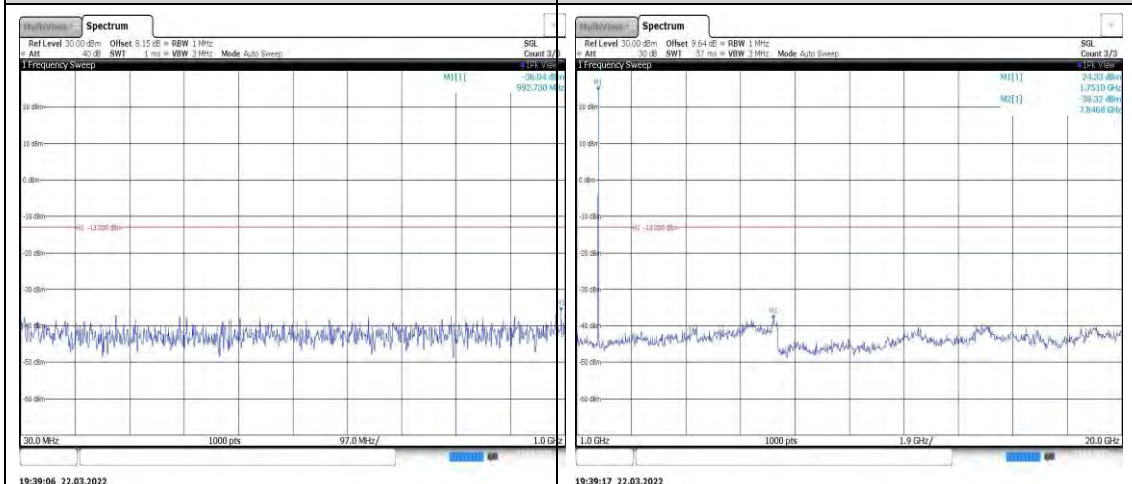
Band4-10MHz-QPSK-20000-1RB#0-Range
1:30~1000MHz

Band4-10MHz-QPSK-20000-1RB#0-Range2:1
000~20000MHz



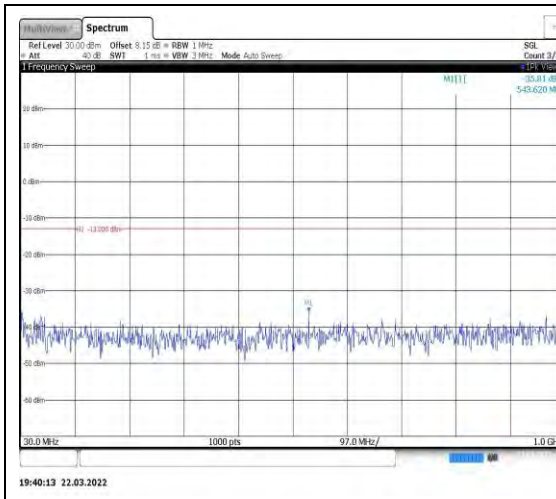
Band4-10MHz-QPSK-20175-1RB#0-Range
1:30~1000MHz

Band4-10MHz-QPSK-20175-1RB#0-Range2:1
000~20000MHz

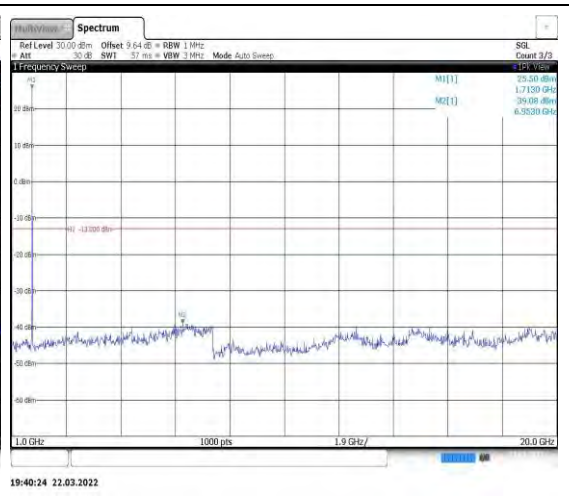


Band4-10MHz-QPSK-20350-1RB#0-Range
1:30~1000MHz

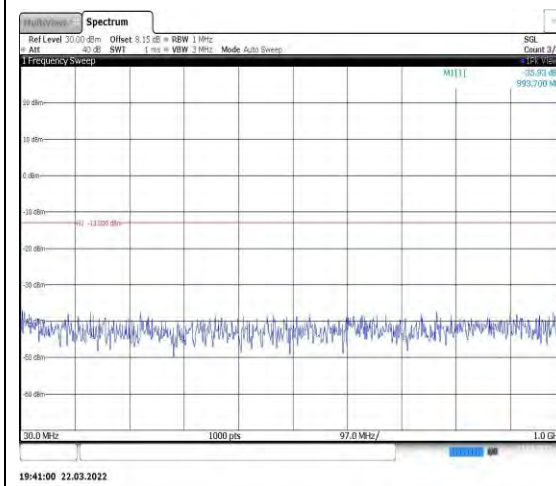
Band4-10MHz-QPSK-20350-1RB#0-Range2:1
000~20000MHz



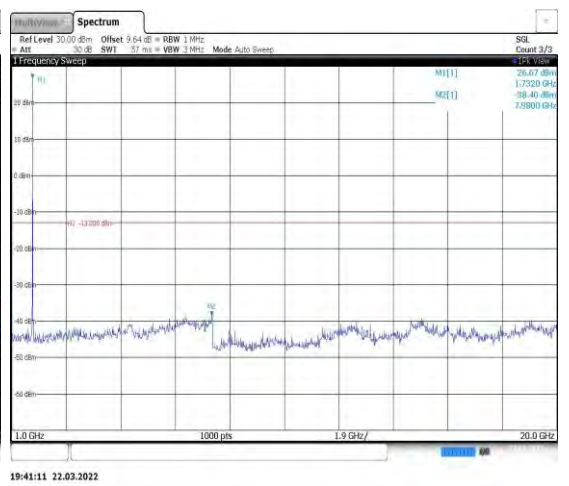
Band4-15MHz-QPSK-20025-1RB#0-Range
1:30~1000MHz



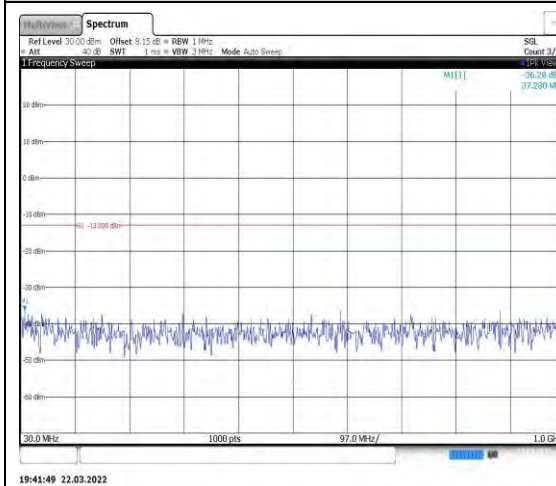
Band4-15MHz-QPSK-20025-1RB#0-Range2:1
000~20000MHz



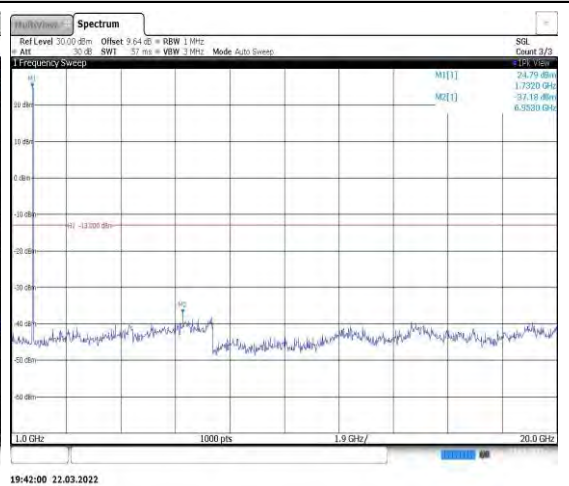
Band4-15MHz-QPSK-20175-1RB#0-Range
1:30~1000MHz



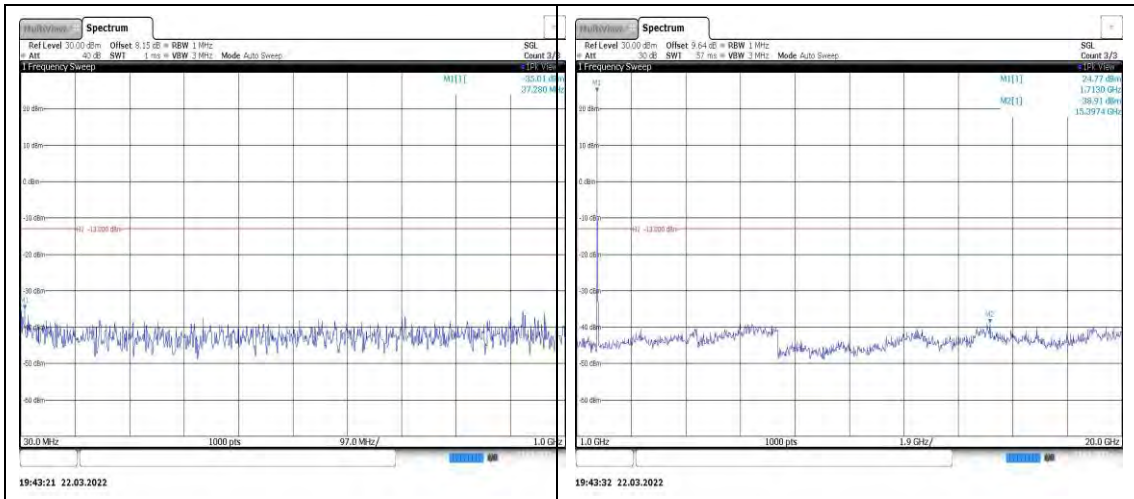
Band4-15MHz-QPSK-20175-1RB#0-Range2:1
000~20000MHz



Band4-15MHz-QPSK-20325-1RB#0-Range
1:30~1000MHz

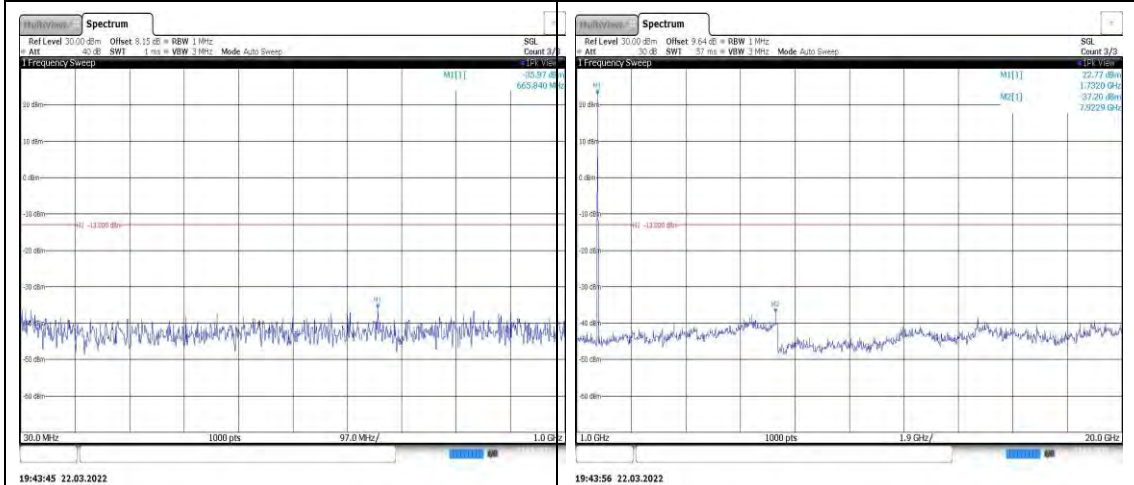


Band4-15MHz-QPSK-20325-1RB#0-Range2:1
000~20000MHz



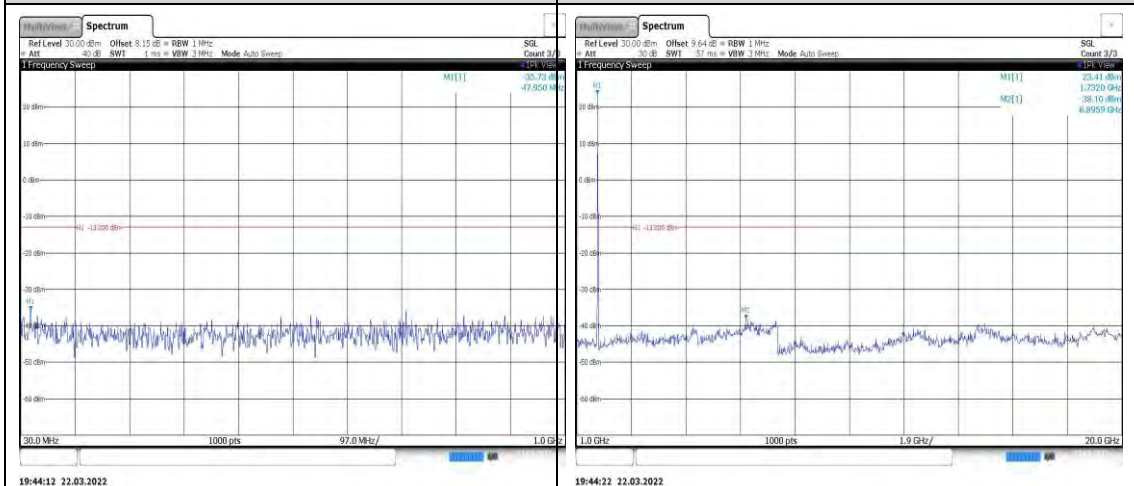
Band4-20MHz-QPSK-20050-1RB#0-Range
1:30~1000MHz

Band4-20MHz-QPSK-20050-1RB#0-Range2:1
000~20000MHz



Band4-20MHz-QPSK-20175-1RB#0-Range
1:30~1000MHz

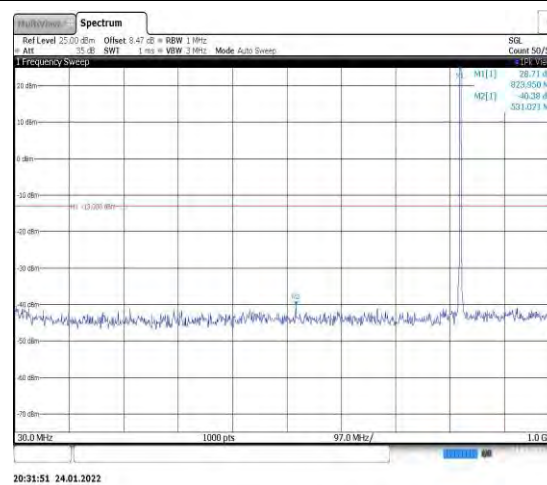
Band4-20MHz-QPSK-20175-1RB#0-Range2:1
000~20000MHz



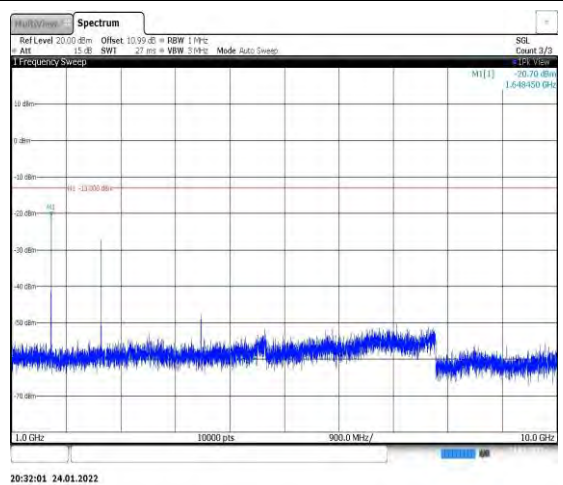
Band4-20MHz-QPSK-20300-1RB#0-Range
1:30~1000MHz

Band4-20MHz-QPSK-20300-1RB#0-Range2:1
000~20000MHz

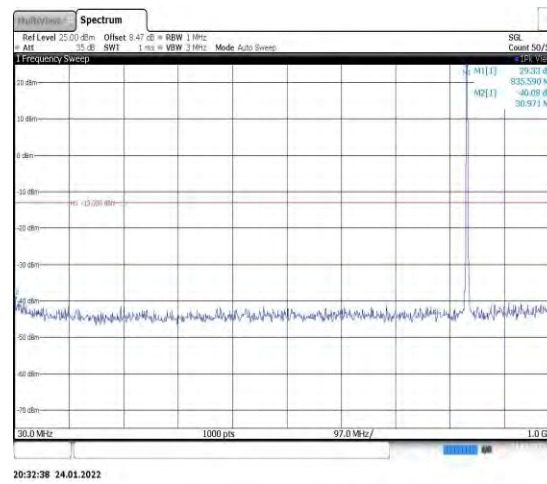
LTE Band 5



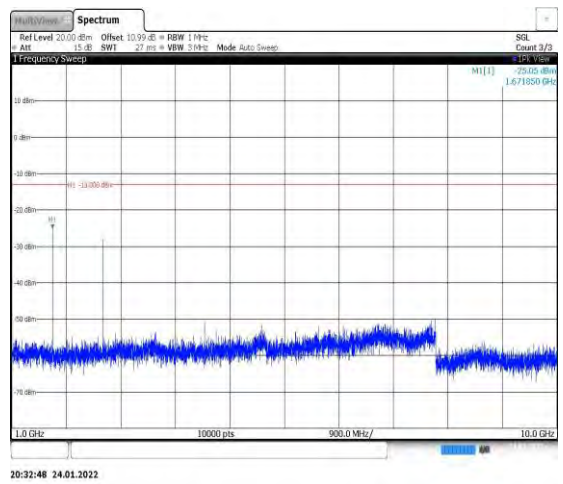
Band5-1.4MHz-QPSK-20407-1RB#0-Range
1:30~1000MHz



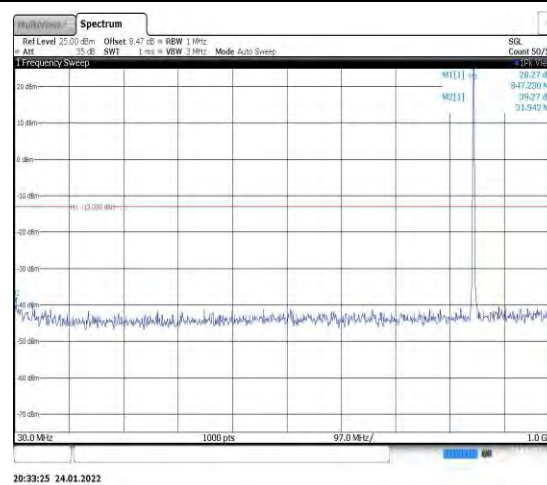
Band5-1.4MHz-QPSK-20407-1RB#0-Range2:
1000~10000MHz



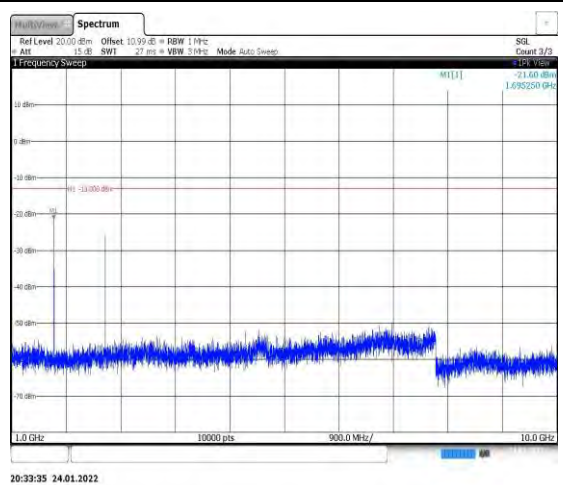
Band5-1.4MHz-QPSK-20525-1RB#0-Range
1:30~1000MHz



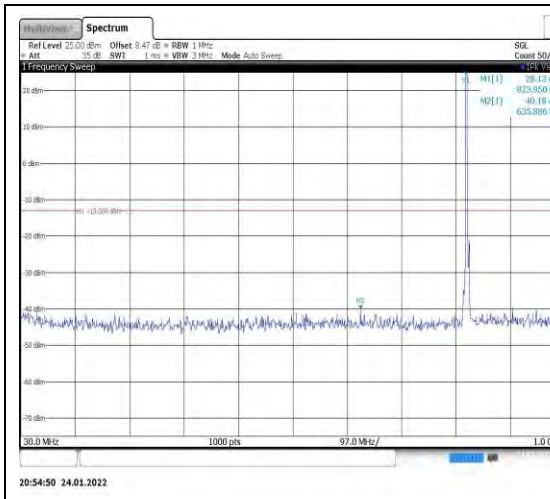
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:
1000~10000MHz



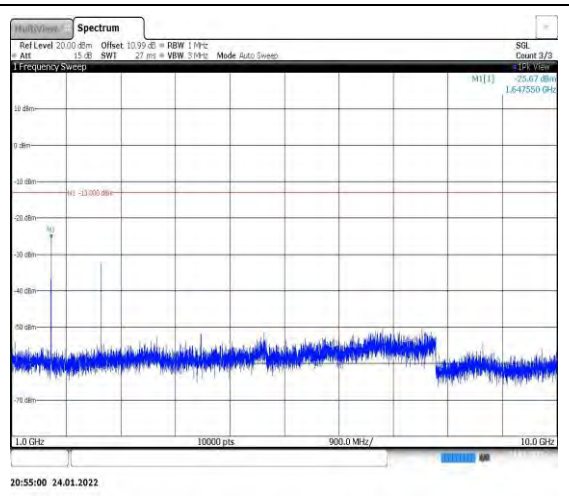
Band5-1.4MHz-QPSK-20643-1RB#0-Range
1:30~1000MHz



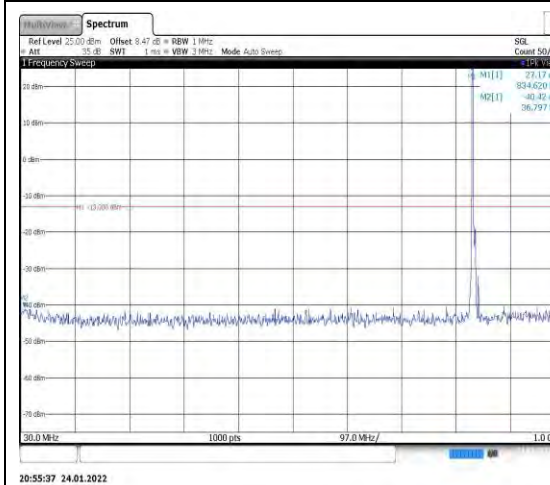
Band5-1.4MHz-QPSK-20643-1RB#0-Range2:
1000~10000MHz



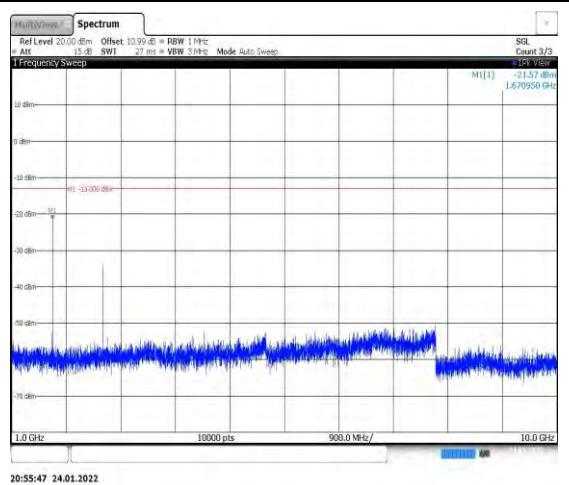
Band5-3MHz-QPSK-20415-1RB#0-Range1:
30~1000MHz



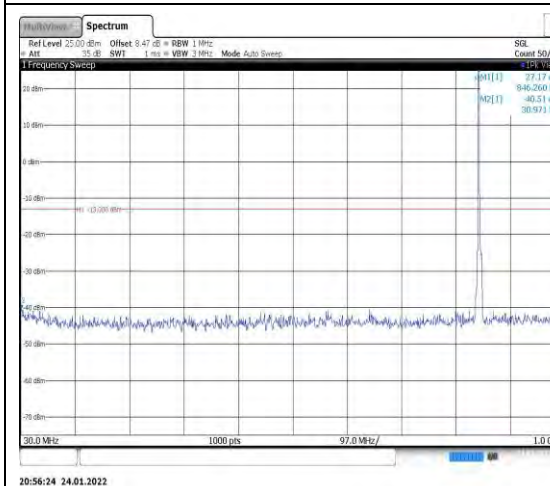
Band5-3MHz-QPSK-20415-1RB#0-Range2:10
00~10000MHz



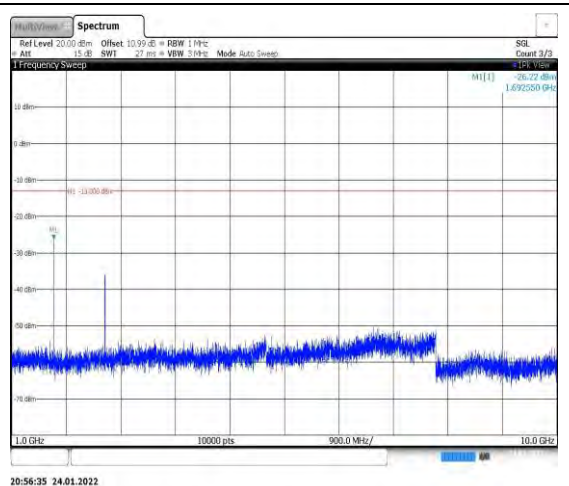
Band5-3MHz-QPSK-20525-1RB#0-Range1:
30~1000MHz



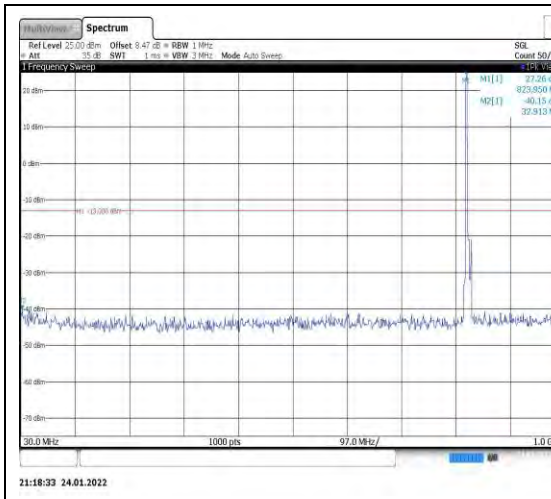
Band5-3MHz-QPSK-20525-1RB#0-Range2:10
00~10000MHz



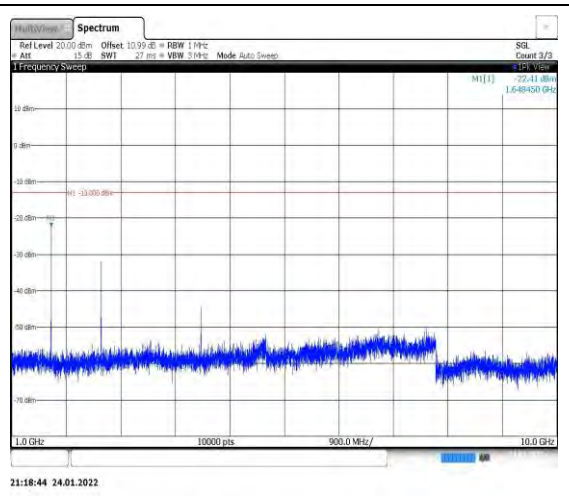
Band5-3MHz-QPSK-20635-1RB#0-Range1:
30~1000MHz



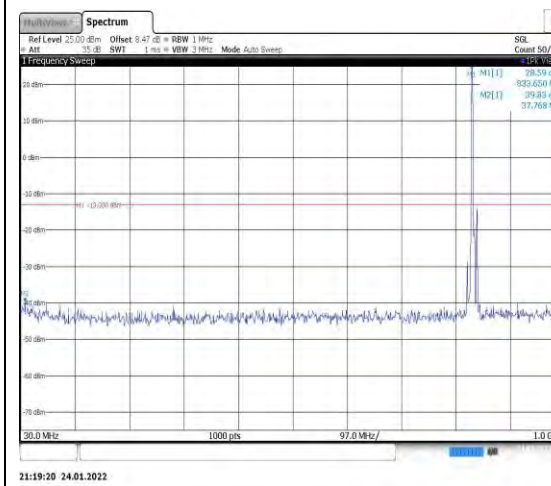
Band5-3MHz-QPSK-20635-1RB#0-Range2:10
00~10000MHz



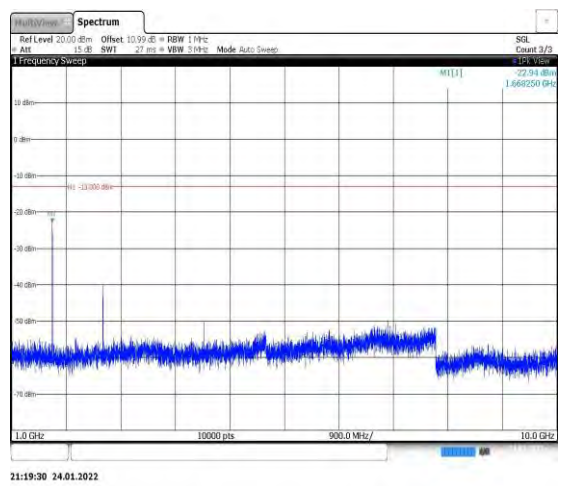
Band5-5MHz-QPSK-20425-1RB#0-Range1:
30~1000MHz



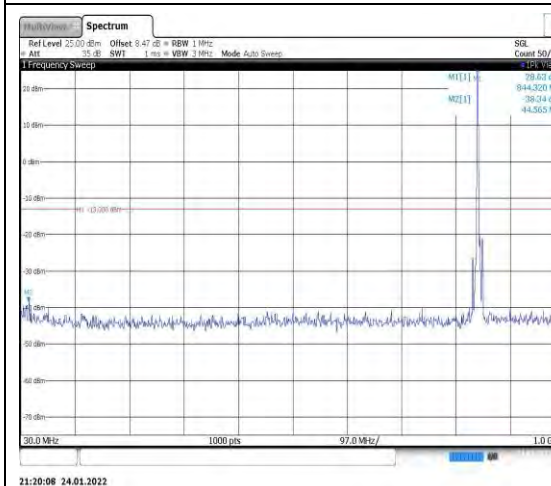
Band5-5MHz-QPSK-20425-1RB#0-Range2:10
00~10000MHz



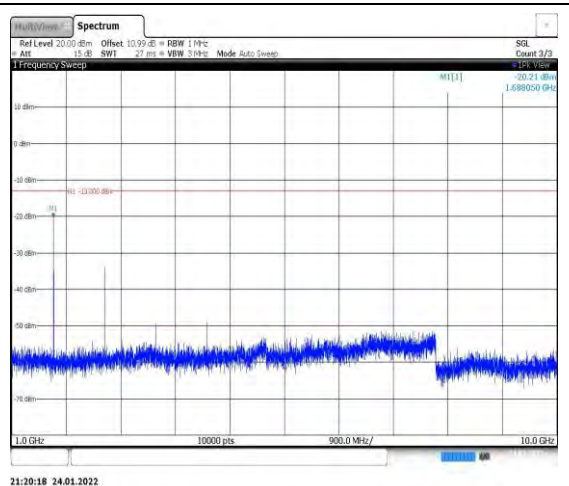
Band5-5MHz-QPSK-20525-1RB#0-Range1:
30~1000MHz



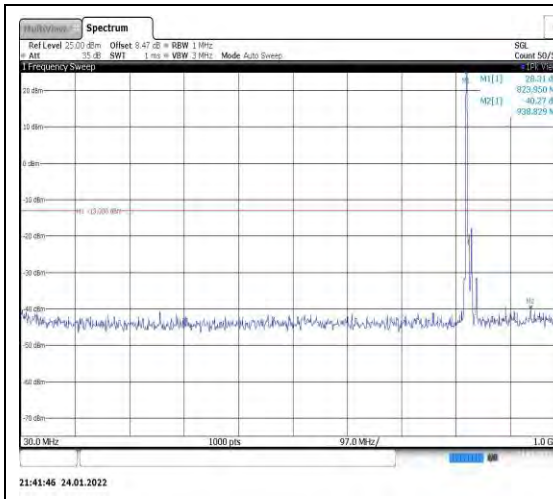
Band5-5MHz-QPSK-20525-1RB#0-Range2:10
00~10000MHz



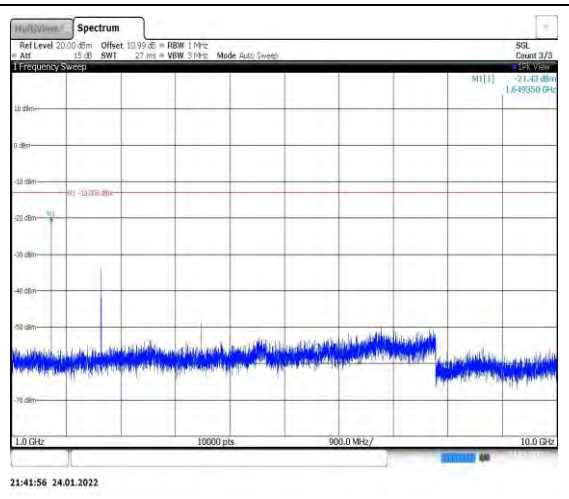
Band5-5MHz-QPSK-20625-1RB#0-Range1:
30~1000MHz



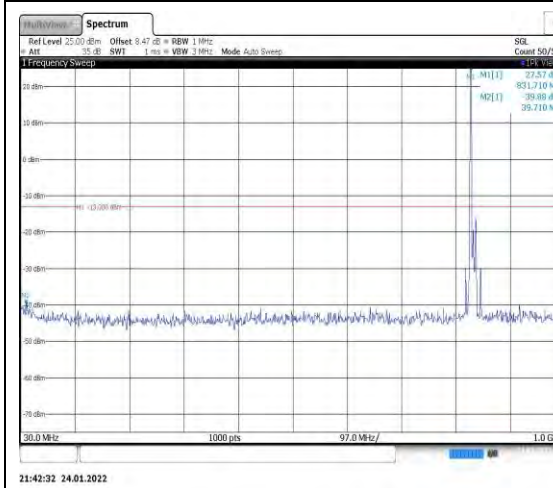
Band5-5MHz-QPSK-20625-1RB#0-Range2:10
00~10000MHz



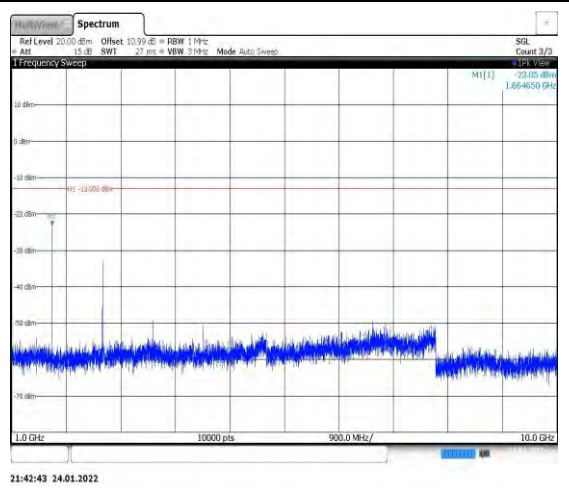
Band5-10MHz-QPSK-20450-1RB#0-Range
1:30~1000MHz



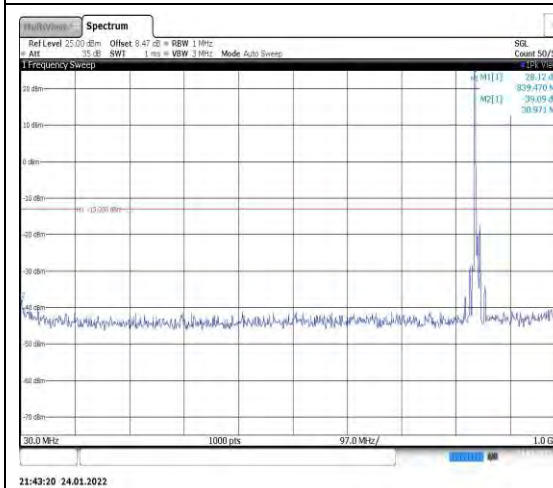
Band5-10MHz-QPSK-20450-1RB#0-Range2:1
000~10000MHz



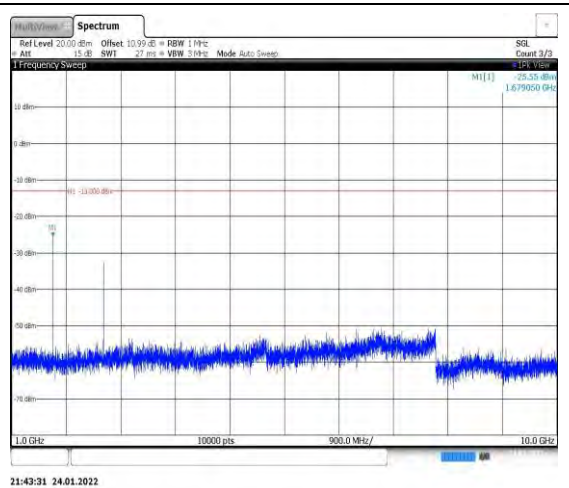
Band5-10MHz-QPSK-20525-1RB#0-Range
1:30~1000MHz



Band5-10MHz-QPSK-20525-1RB#0-Range2:1
000~10000MHz

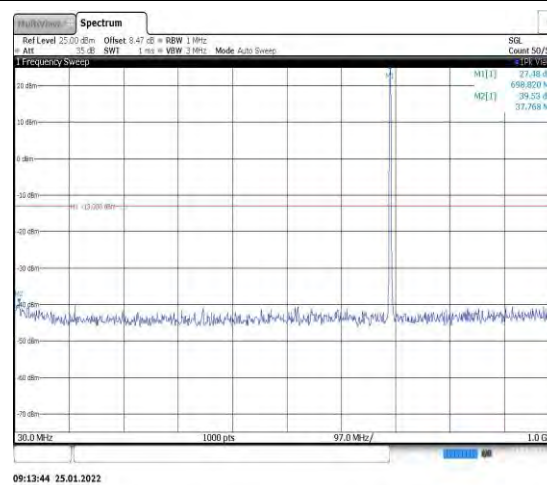


Band5-10MHz-QPSK-20600-1RB#0-Range
1:30~1000MHz

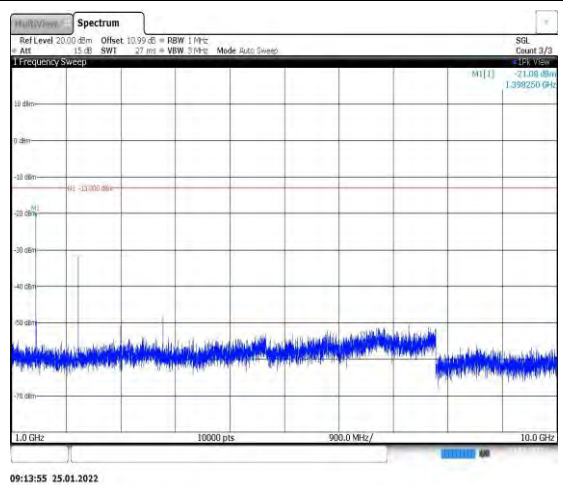


Band5-10MHz-QPSK-20600-1RB#0-Range2:1
000~10000MHz

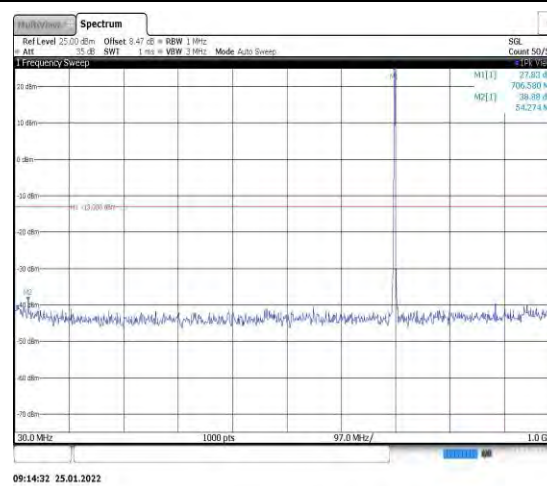
LTE Band 12



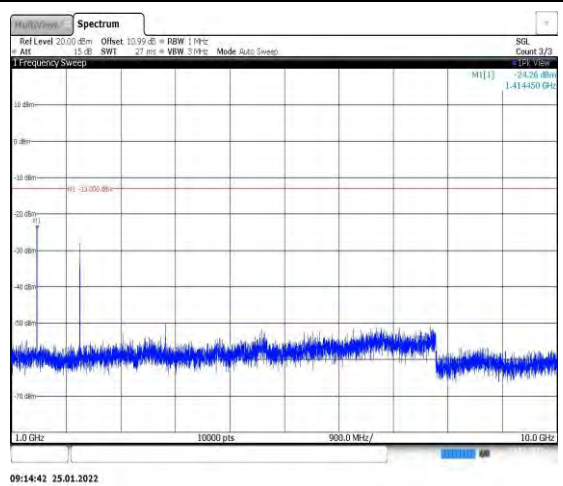
Band12-1.4MHz-QPSK-23017-1RB#0-Rang
e1:30~1000MHz



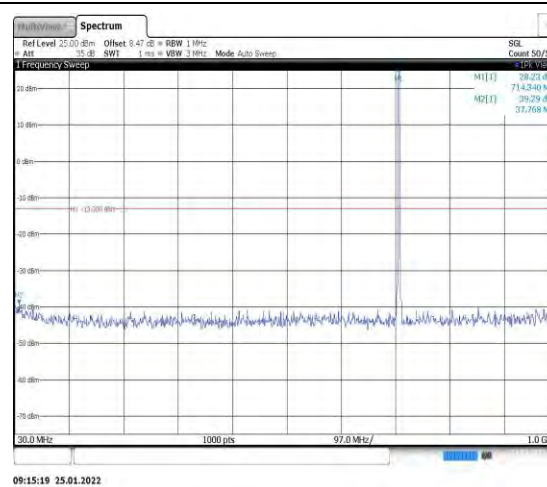
Band12-1.4MHz-QPSK-23017-1RB#0-Range2
:1000~10000MHz



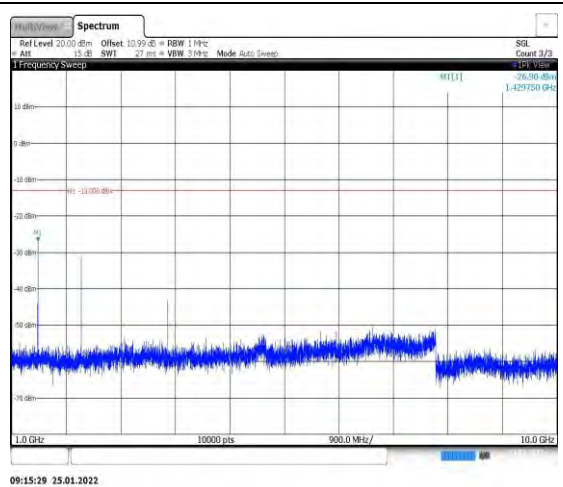
Band12-1.4MHz-QPSK-23095-1RB#0-Rang
e1:30~1000MHz



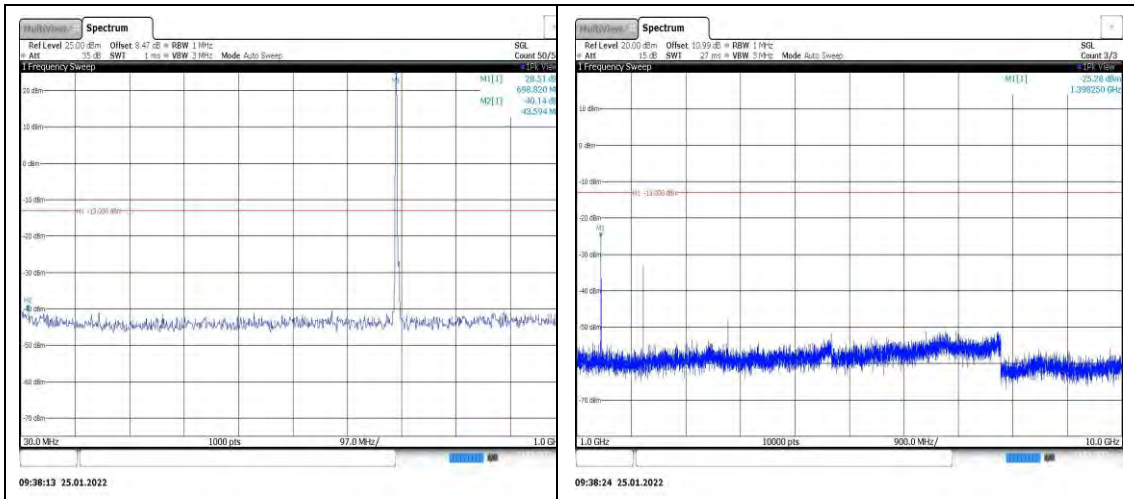
Band12-1.4MHz-QPSK-23095-1RB#0-Range2
:1000~10000MHz



Band12-1.4MHz-QPSK-23173-1RB#0-Rang
e1:30~1000MHz

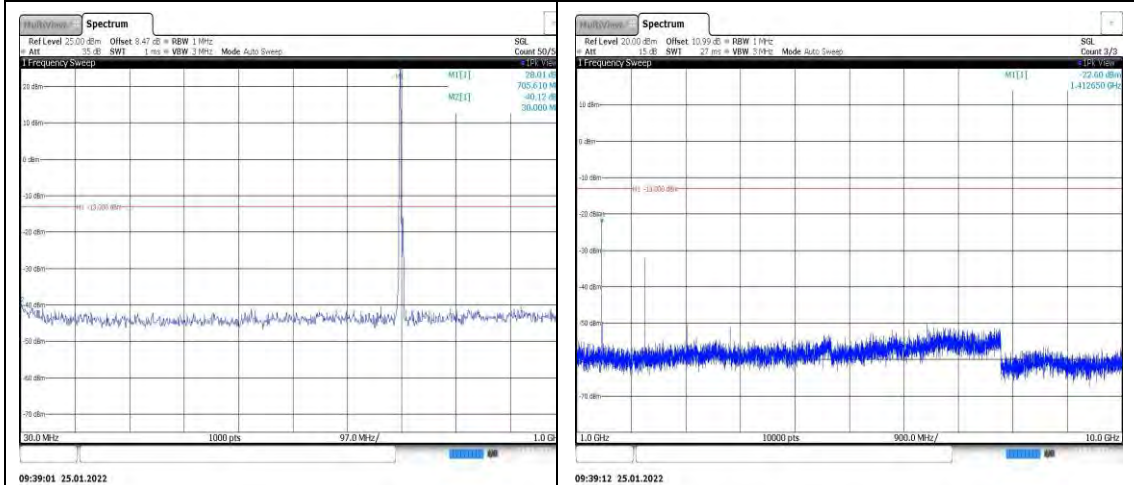


Band12-1.4MHz-QPSK-23173-1RB#0-Range2
:1000~10000MHz



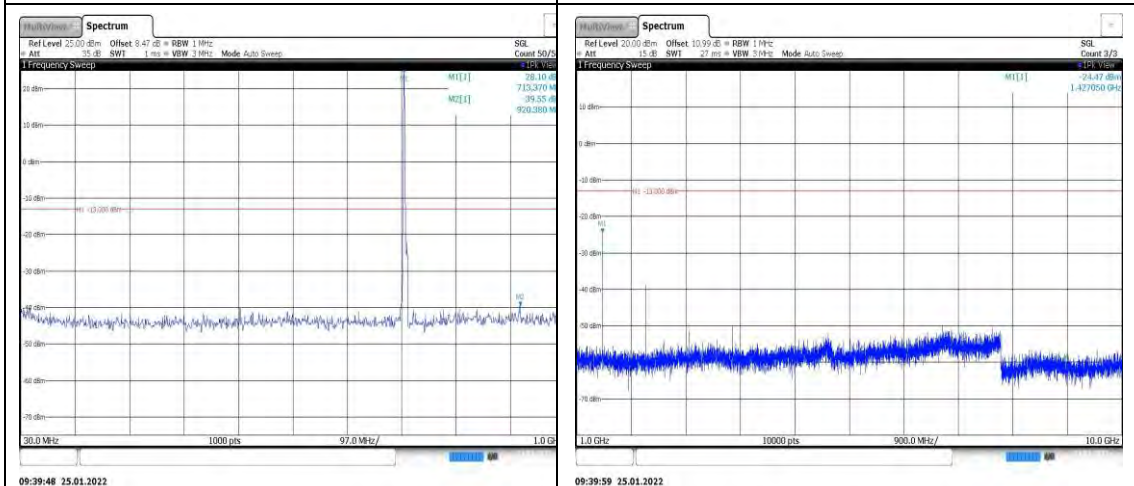
Band12-3MHz-QPSK-23025-1RB#0-Range
1:30~1000MHz

Band12-3MHz-QPSK-23025-1RB#0-Range2:1
000~10000MHz



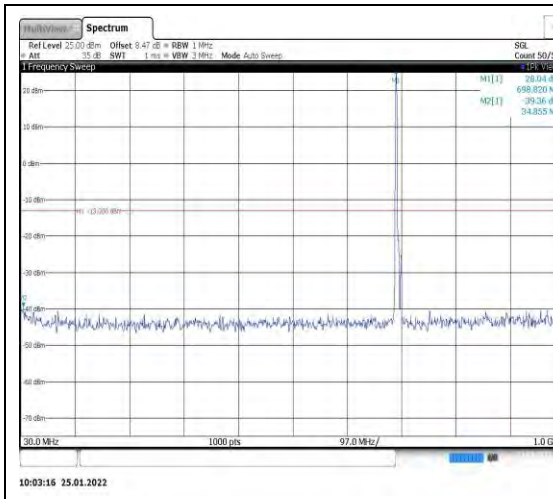
Band12-3MHz-QPSK-23095-1RB#0-Range
1:30~1000MHz

Band12-3MHz-QPSK-23095-1RB#0-Range2:1
000~10000MHz

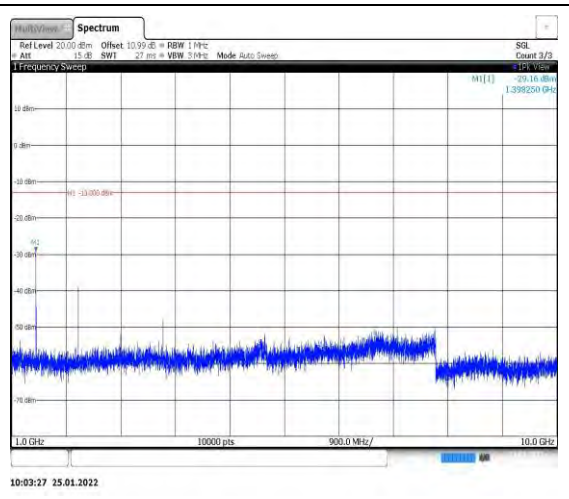


Band12-3MHz-QPSK-23165-1RB#0-Range
1:30~1000MHz

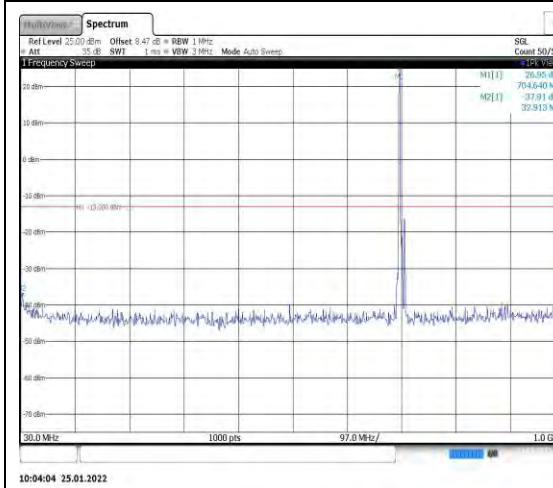
Band12-3MHz-QPSK-23165-1RB#0-Range2:1
000~10000MHz



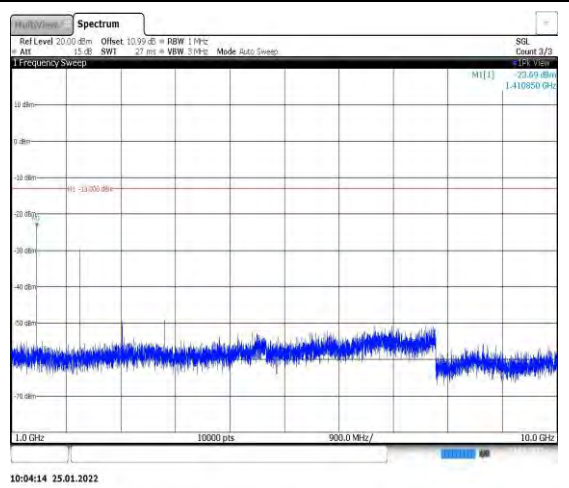
Band12-5MHz-QPSK-23035-1RB#0-Range
1:30~1000MHz



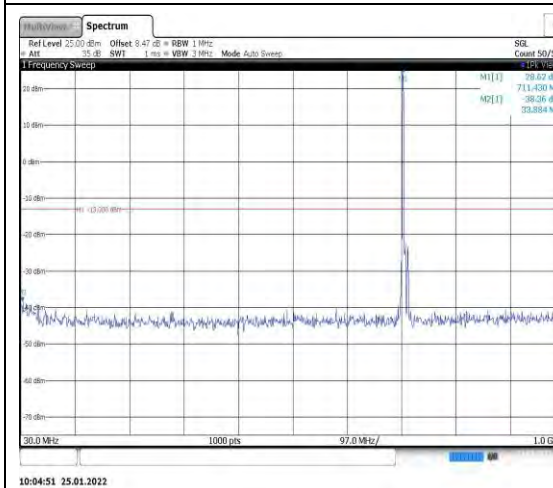
Band12-5MHz-QPSK-23035-1RB#0-Range2:1
000~10000MHz



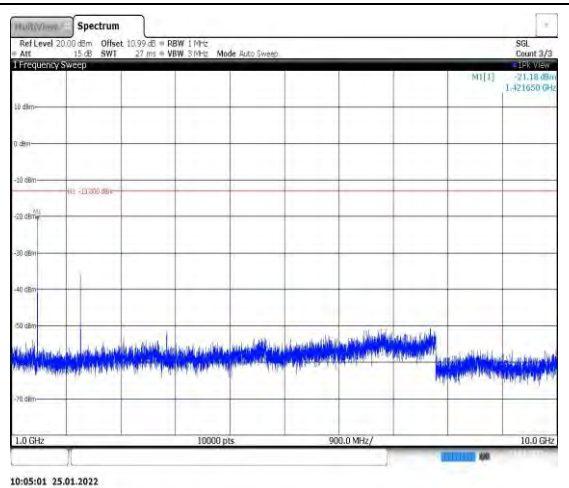
Band12-5MHz-QPSK-23095-1RB#0-Range
1:30~1000MHz



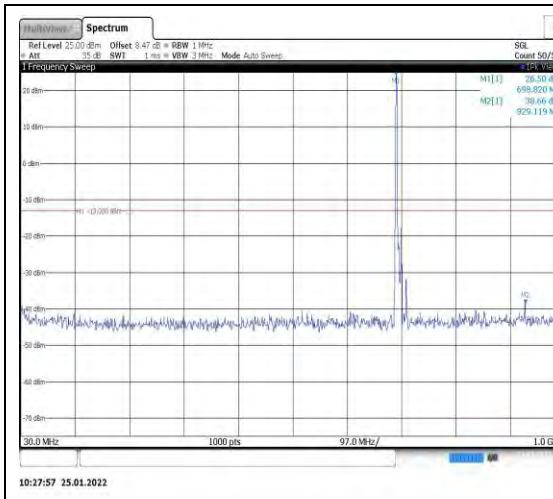
Band12-5MHz-QPSK-23095-1RB#0-Range2:1
000~10000MHz



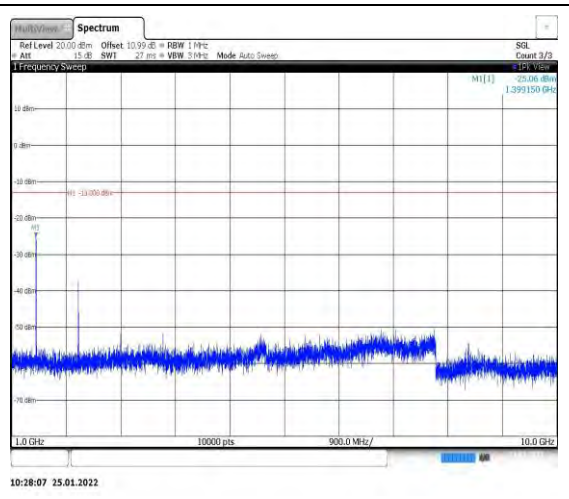
Band12-5MHz-QPSK-23155-1RB#0-Range
1:30~1000MHz



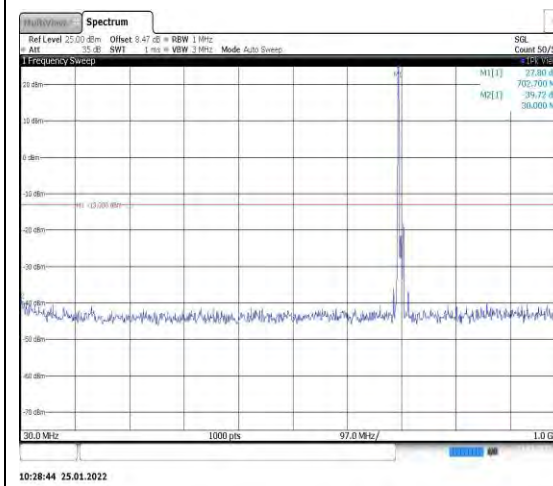
Band12-5MHz-QPSK-23155-1RB#0-Range2:1
000~10000MHz



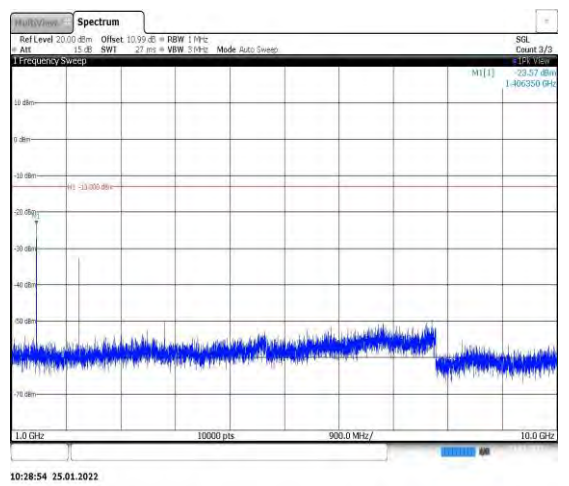
Band12-10MHz-QPSK-23060-1RB#0-Rang
e1:30~1000MHz



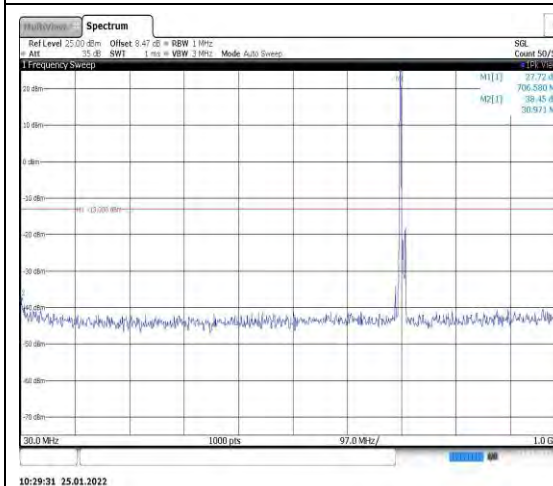
Band12-10MHz-QPSK-23060-1RB#0-Range2:
1000~10000MHz



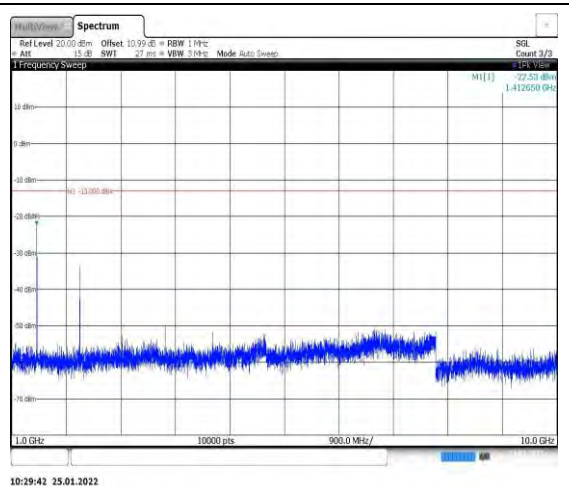
Band12-10MHz-QPSK-23095-1RB#0-Rang
e1:30~1000MHz



Band12-10MHz-QPSK-23095-1RB#0-Range2:
1000~10000MHz

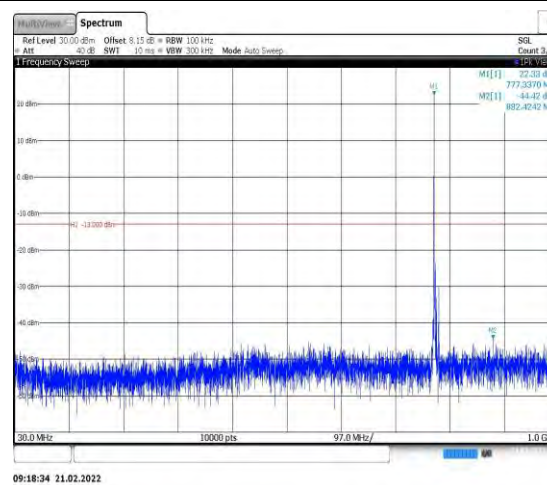


Band12-10MHz-QPSK-23130-1RB#0-Rang
e1:30~1000MHz

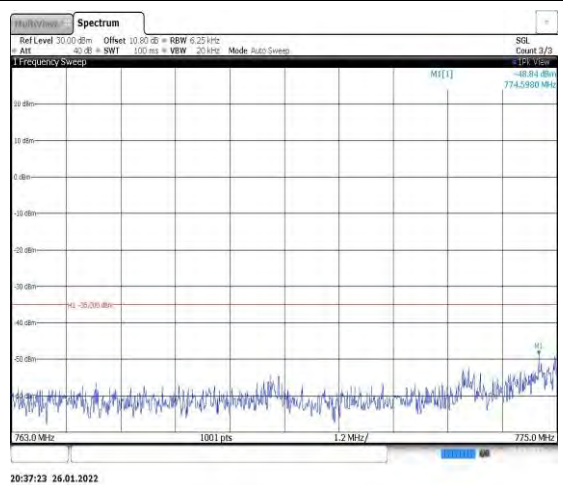


Band12-10MHz-QPSK-23130-1RB#0-Range2:
1000~10000MHz

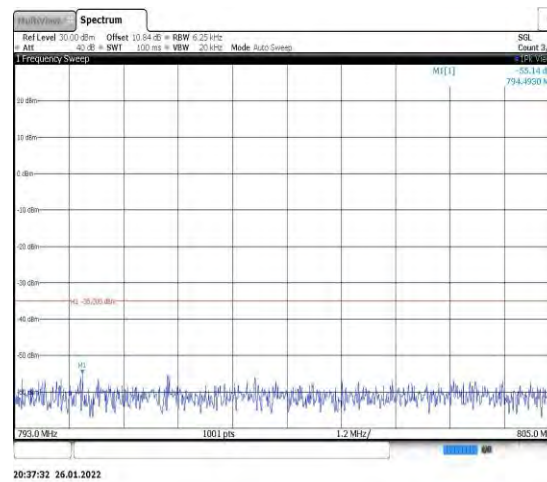
LTE Band 13



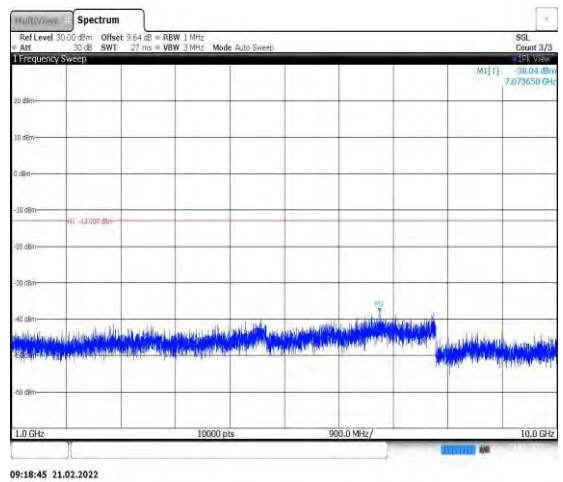
Band13-5MHz-QPSK-23205-1RB#0-Range
1:30~1000MHz



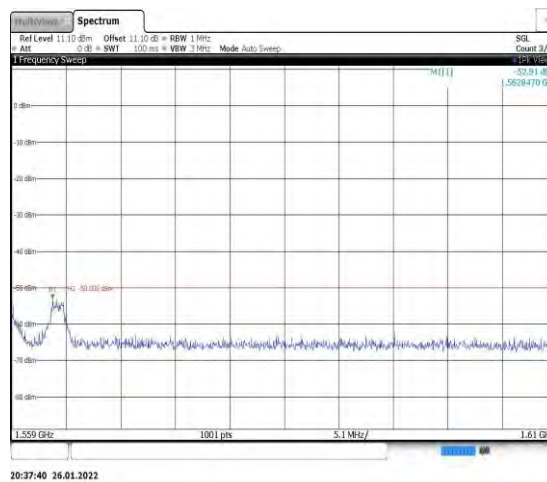
Band13-5MHz-QPSK-23205-1RB#0-Range3:7
63~775MHz



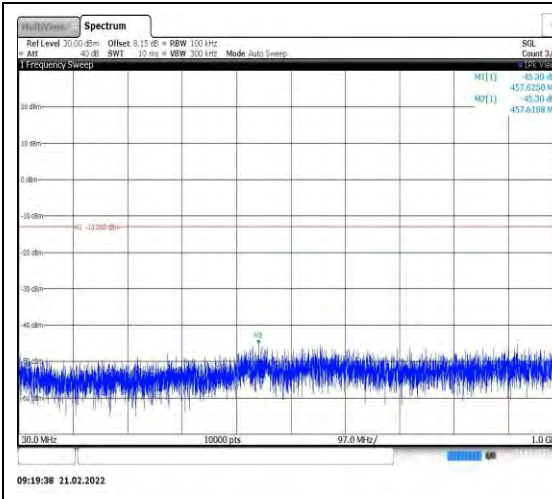
Band13-5MHz-QPSK-23205-1RB#0-Range
4:793~805MHz



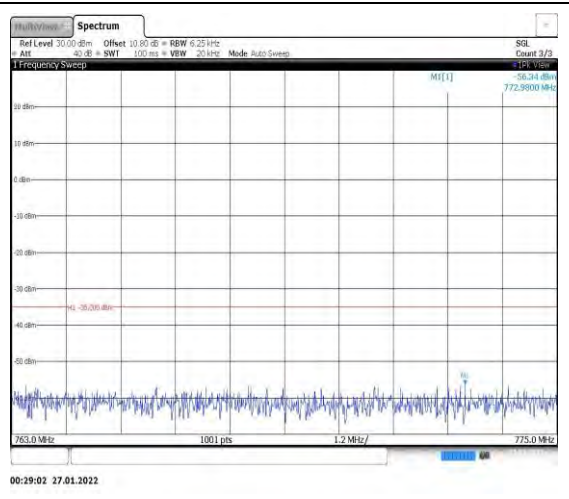
Band13-5MHz-QPSK-23205-1RB#0-Range2:1
000~10000MHz



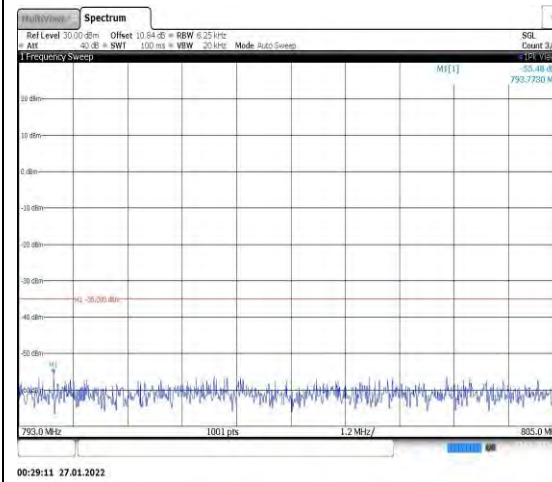
Band13-5MHz-QPSK-23205-1RB#0-Range5:1559~1610MHz



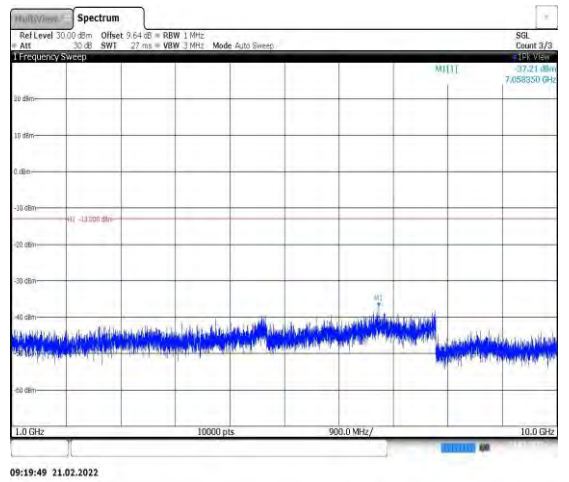
Band13-5MHz-QPSK-23230-1RB#0-Range
1:30~1000MHz



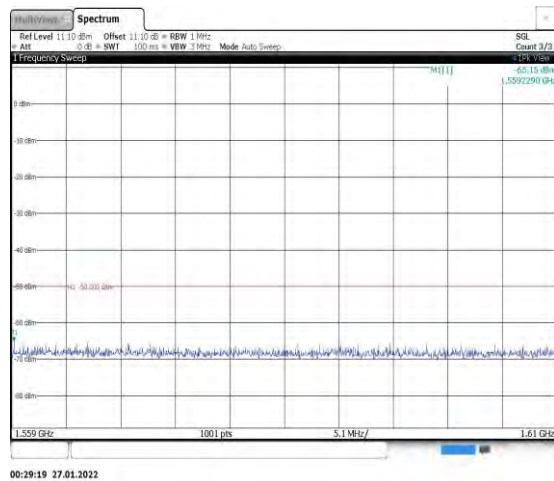
Band13-5MHz-QPSK-23230-1RB#0-Range3:7
63~775MHz



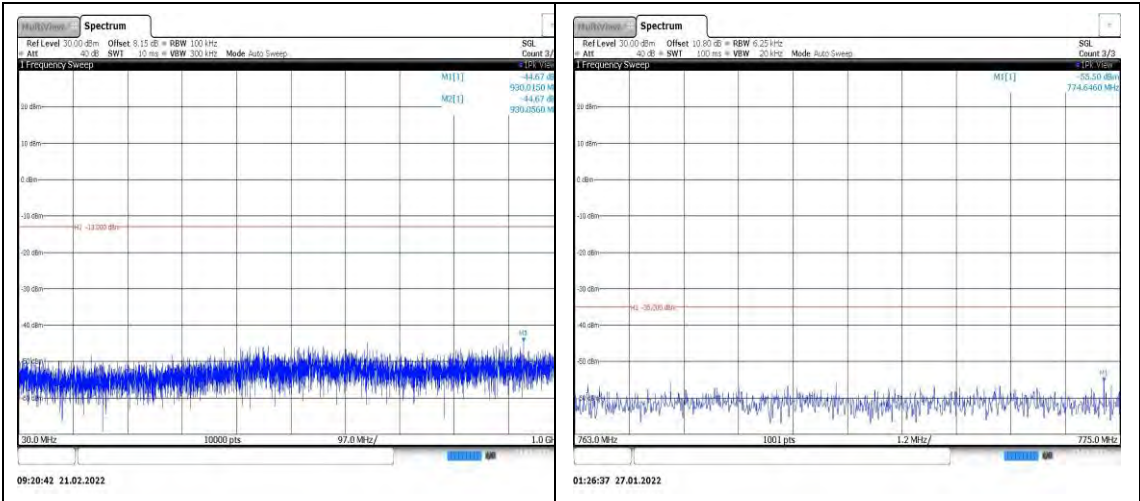
Band13-5MHz-QPSK-23230-1RB#0-Range
4:793~805MHz



Band13-5MHz-QPSK-23230-1RB#0-Range2:1
000~10000MHz

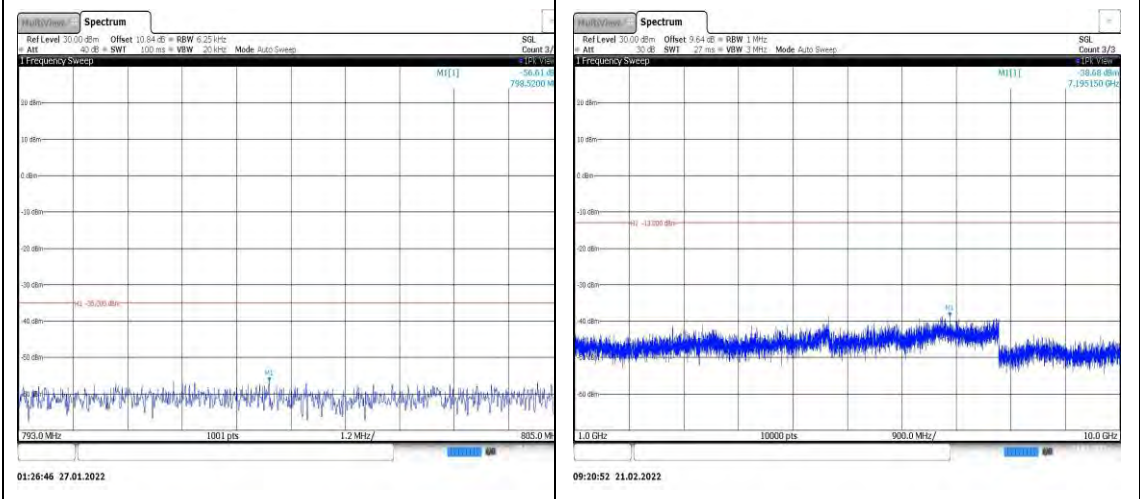


Band13-5MHz-QPSK-23230-1RB#0-Range5:1559~1610MHz



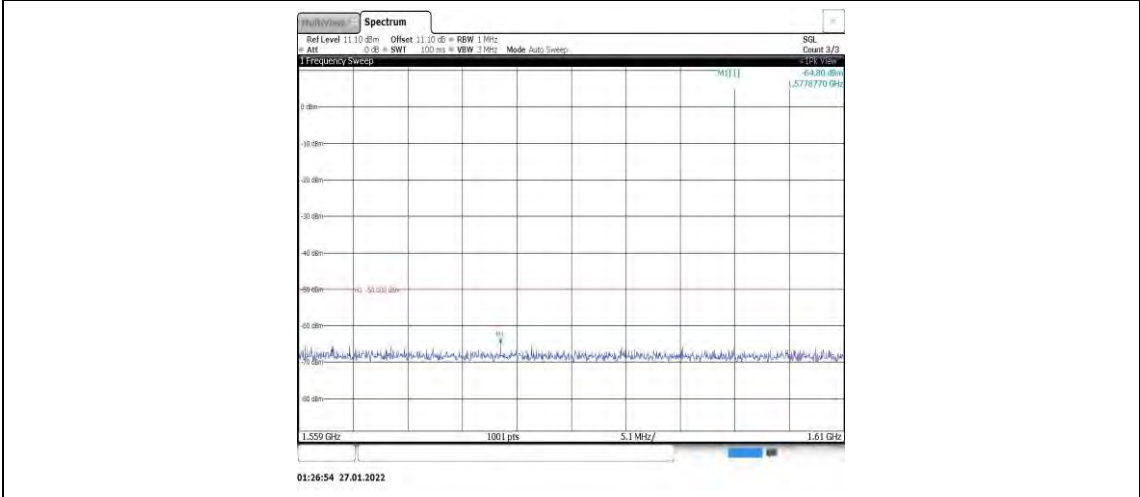
Band13-5MHz-QPSK-23255-1RB#0-Range
1:30~1000MHz

Band13-5MHz-QPSK-23255-1RB#0-Range3:7
63~775MHz

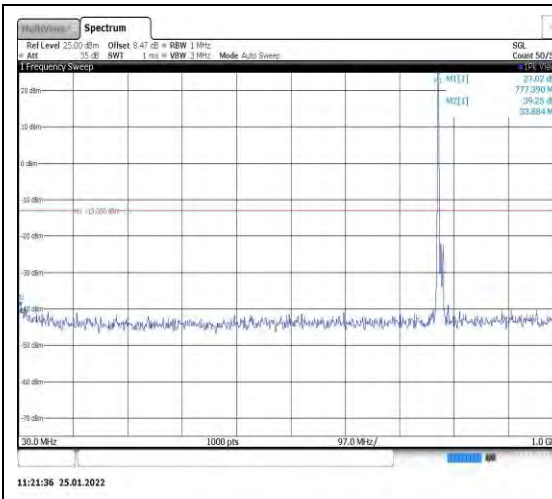


Band13-5MHz-QPSK-23255-1RB#0-Range
4:793~805MHz

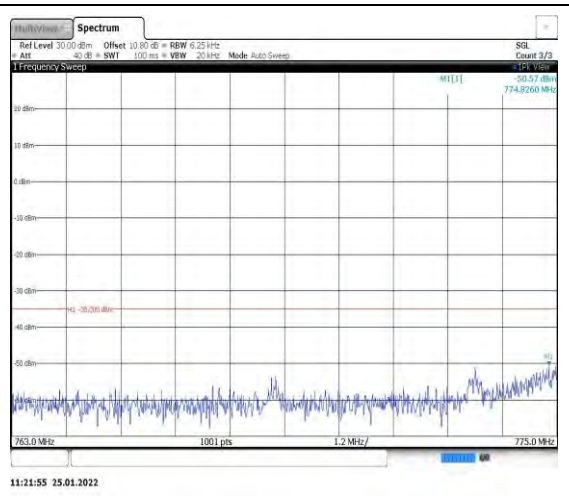
Band13-5MHz-QPSK-23255-1RB#0-Range2:1
000~10000MHz



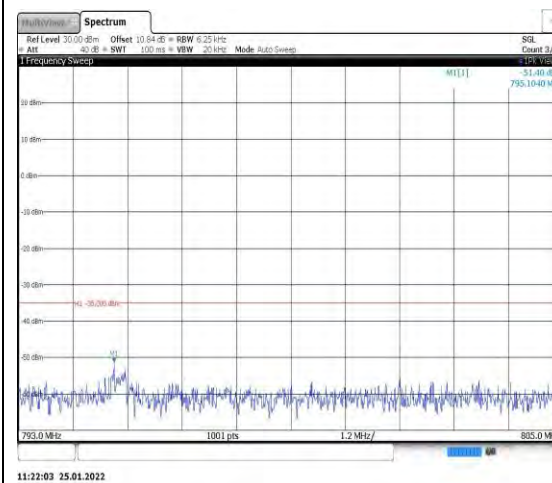
Band13-5MHz-QPSK-23255-1RB#0-Range5:1559~1610MHz



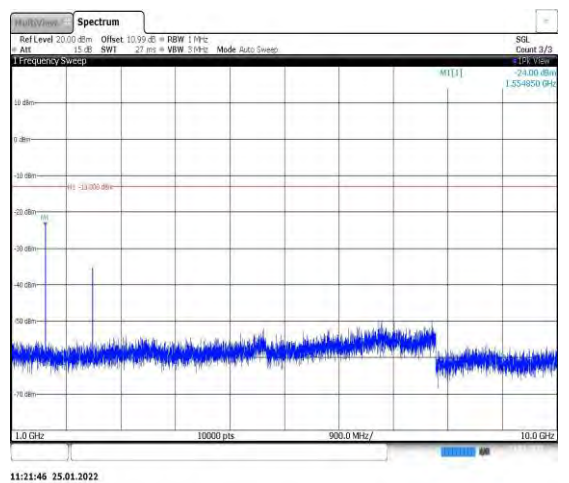
Band13-10MHz-QPSK-23230-1RB#0-Rang
e1:30~1000MHz



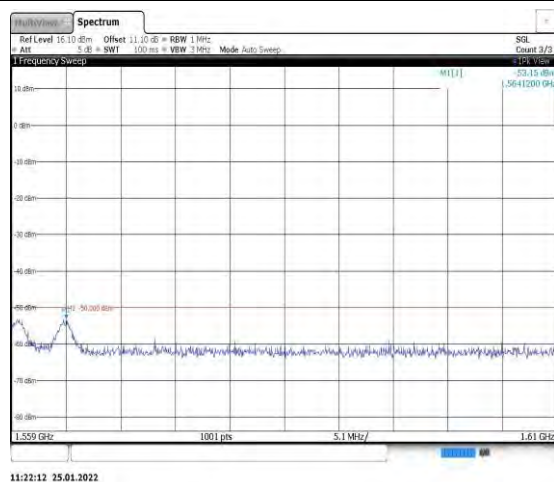
Band13-10MHz-QPSK-23230-1RB#0-Range3:
763~775MHz



Band13-10MHz-QPSK-23230-1RB#0-Rang
e4:793~805MHz

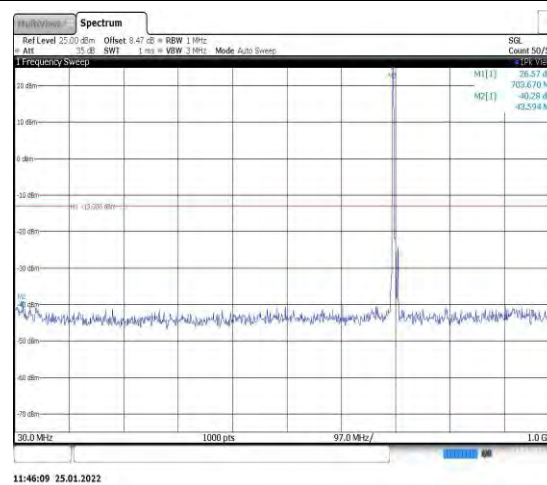


Band13-10MHz-QPSK-23230-1RB#0-Range2:
1000~10000MHz

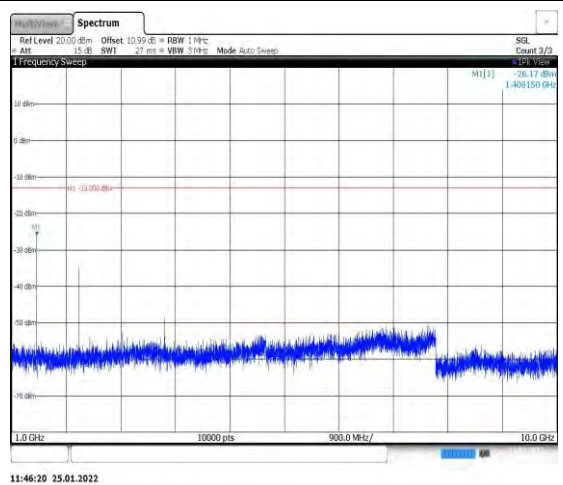


Band13-10MHz-QPSK-23230-1RB#0-Range5:1559~1610MHz

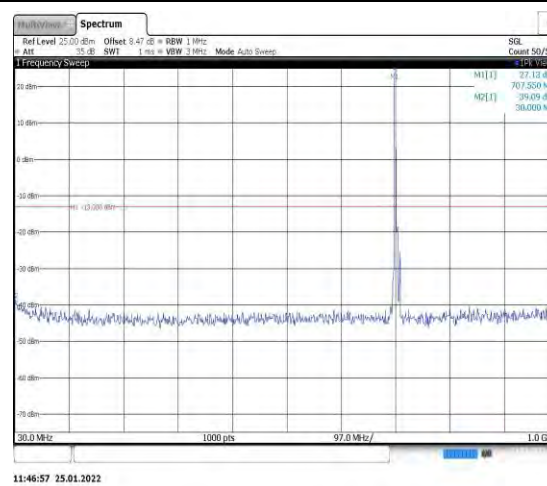
LTE Band 17



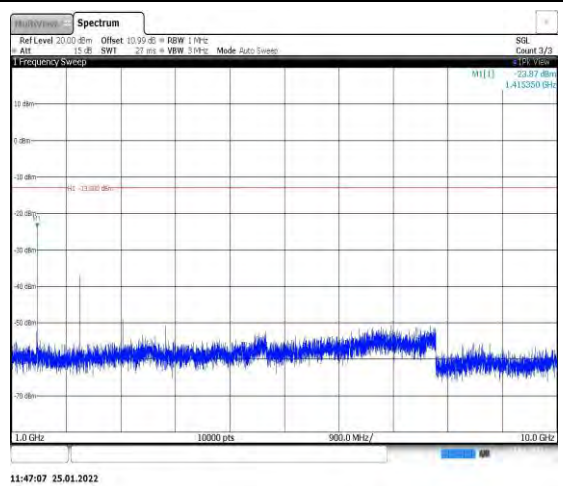
Band17-5MHz-QPSK-23755-1RB#0-Range
1:30~1000MHz



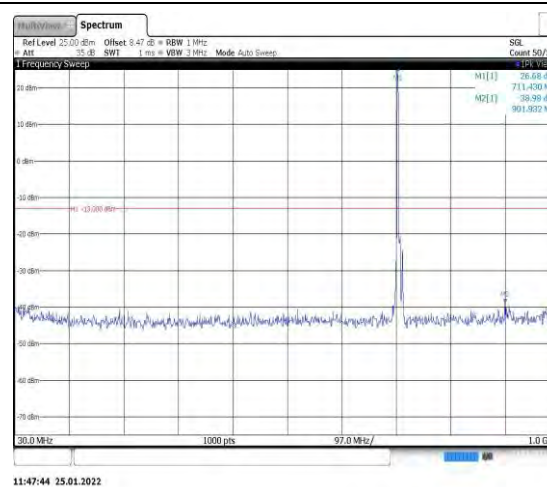
Band17-5MHz-QPSK-23755-1RB#0-Range2:1
000~10000MHz



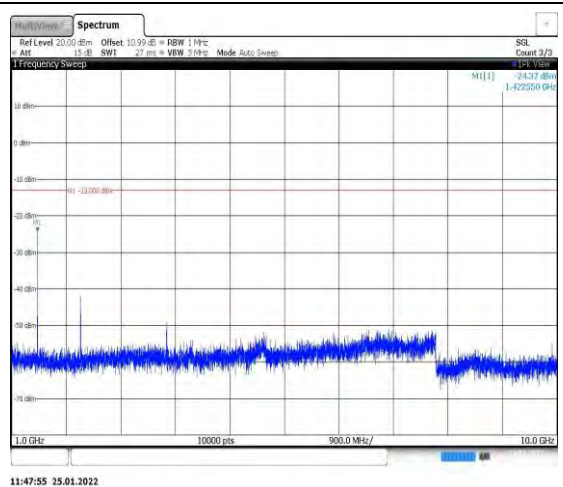
Band17-5MHz-QPSK-23790-1RB#0-Range
1:30~1000MHz



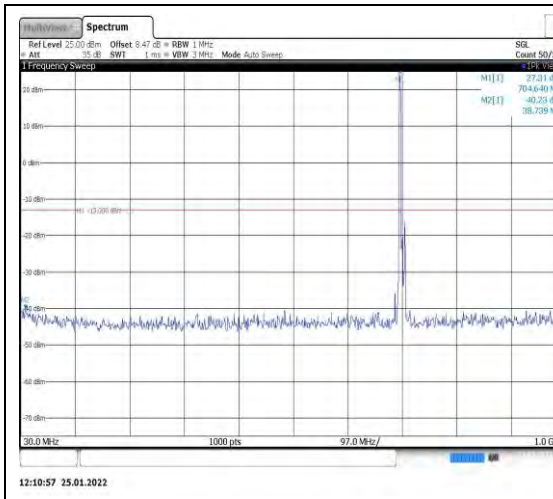
Band17-5MHz-QPSK-23790-1RB#0-Range2:1
000~10000MHz



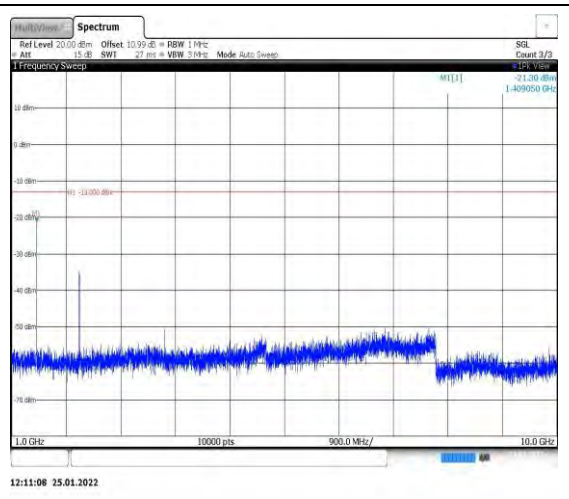
Band17-5MHz-QPSK-23825-1RB#0-Range
1:30~1000MHz



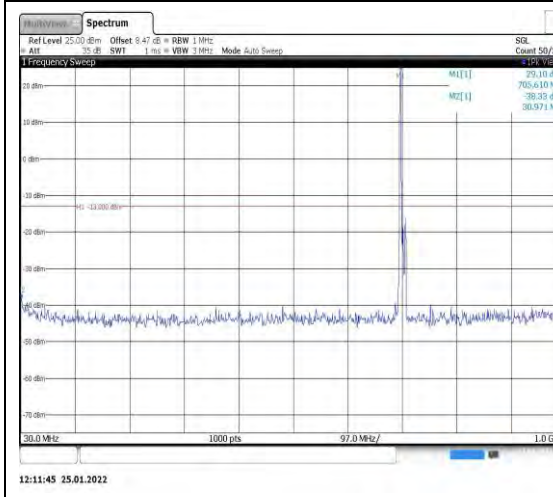
Band17-5MHz-QPSK-23825-1RB#0-Range2:1
000~10000MHz



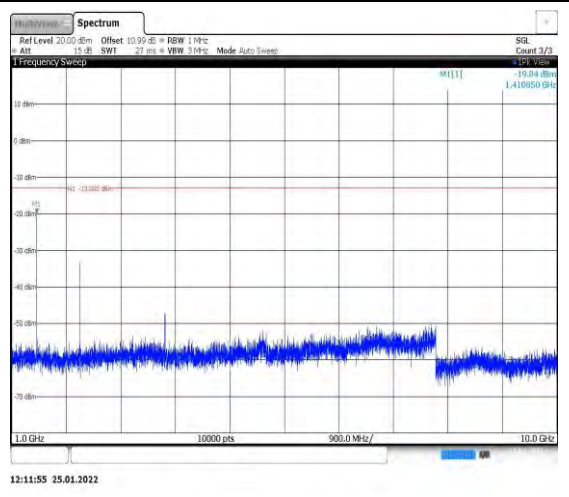
Band17-10MHz-QPSK-23780-1RB#0-Rang
e1:30~1000MHz



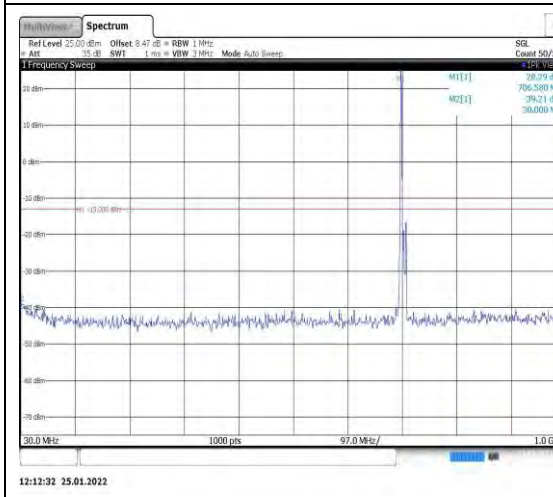
Band17-10MHz-QPSK-23780-1RB#0-Range2:
1000~10000MHz



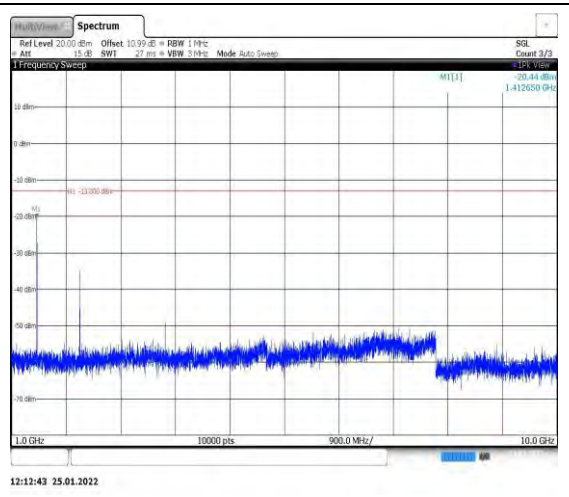
Band17-10MHz-QPSK-23790-1RB#0-Rang
e1:30~1000MHz



Band17-10MHz-QPSK-23790-1RB#0-Range2:
1000~10000MHz



Band17-10MHz-QPSK-23800-1RB#0-Rang
e1:30~1000MHz



Band17-10MHz-QPSK-23800-1RB#0-Range2:
1000~10000MHz

Appendix E: Frequency Stability

Test Result

LTE Band 2

Limit		1850	1910	Delta(Hz)	Frequency Stability (ppm)
Condition		F low@	F High@		
Temperature	Voltage	-13dBm(MHz)	-13dBm(MHz)		
Normal (20℃)	Normal	1870.33	1889.60		
Extreme (50℃)		1870.32	1889.60	-4.03	-0.002144
Extreme (40℃)		1870.33	1889.59	-4.99	-0.002654
Extreme (30℃)		1870.33	1889.60	-5.58	-0.002968
Extreme (10℃)		1870.33	1889.60	-5.09	-0.002707
Extreme (0℃)		1870.31	1889.60	-4.02	-0.002138
Extreme (-10℃)		1870.33	1889.60	-3.95	-0.002101
Extreme (-20℃)		1870.32	1889.59	-3.32	-0.001766
Extreme (-30℃)		1870.33	1889.60	-2.30	-0.001223
20℃	15%	1870.33	1889.60	-5.18	-0.002755
	-15%	1870.33	1889.60	-3.49	-0.001856
	End Point	1870.33	1889.60	-3.68	-0.001957

LTE Band 4

Limit		1710	1755	Delta(Hz)	Frequency Stability (ppm)
Condition		F low@	F High@		
Temperature	Voltage	-13dBm(MHz)	-13dBm(MHz)		
Normal (20℃)	Normal	1722.83	1742.09		
Extreme (50℃)		1722.83	1742.09	-2.50	-0.001443
Extreme (40℃)		1722.83	1742.09	-3.56	-0.002055
Extreme (30℃)		1722.83	1742.09	-3.81	-0.002199
Extreme (10℃)		1722.83	1742.09	-2.42	-0.001397
Extreme (0℃)		1722.83	1742.09	-3.82	-0.002205
Extreme (-10℃)		1722.83	1742.09	-5.59	-0.003227
Extreme (-20℃)		1722.83	1742.09	-6.64	-0.003833
Extreme (-30℃)		1722.83	1742.09	-8.84	-0.005102
20℃	15%	1722.83	1742.09	-12.32	-0.007111
	-15%	1722.83	1742.09	-10.47	-0.006043
	End Point	1722.83	1742.09	-8.17	-0.004716

LTE Band 5

Limit		824	849	Delta(Hz)	Frequency Stability (ppm)
Condition		F low@	F High@		
Temperature	Voltage	-13dBm(MHz)	-13dBm(MHz)		
Normal (20℃)	Normal	831.73	841.26		
Extreme (50℃)		831.73	841.26	-1.96	-0.002343
Extreme (40℃)		831.73	841.26	-2.78	-0.003323
Extreme (30℃)		831.73	841.26	-2.62	-0.003132
Extreme (10℃)		831.73	841.26	-2.79	-0.003335
Extreme (0℃)		831.73	841.26	-1.80	-0.002152
Extreme (-10℃)		831.73	841.26	-2.36	-0.002821
Extreme (-20℃)		831.73	841.26	-3.16	-0.003778
Extreme (-30℃)		831.73	841.26	-2.56	-0.003060
20℃	15%	831.73	841.26	-5.51	-0.006587
	-15%	831.73	841.26	-9.86	-0.011787
	End Point	831.73	841.26	-5.15	-0.006157

LTE Band 12

Limit		699	716	Delta(Hz)	Frequency Stability (ppm)
Condition		F low@	F High@		
Temperature	Voltage	-13dBm(MHz)	-13dBm(MHz)		
Normal (20℃)	Normal	702.73	712.26		
Extreme (50℃)		702.73	712.26	-2.02	-0.002855
Extreme (40℃)		702.73	712.26	-1.73	-0.002445
Extreme (30℃)		702.73	712.26	-2.75	-0.003887
Extreme (10℃)		702.73	712.26	-2.13	-0.003011
Extreme (0℃)		702.73	712.26	-2.37	-0.003350
Extreme (-10℃)		702.73	712.26	-2.17	-0.003067
Extreme (-20℃)		702.73	712.26	-1.67	-0.002360
Extreme (-30℃)		702.73	712.26	1.59	0.002247
20℃	15%	702.73	712.26	1.93	0.002728
	-15%	702.73	712.26	7.98	0.011279
	End Point	702.73	712.26	16.99	0.024014

LTE Band 13

Limit		777	787	Delta(Hz)	Frequency Stability (ppm)
Condition		F low@	F High@		
Temperature	Voltage	-13dBm(MHz)	-13dBm(MHz)		
Normal (20℃)	Normal	777.23	786.76		
Extreme (50℃)		777.23	786.76	4.85	0.006202
Extreme (40℃)		777.23	786.76	3.96	0.005064
Extreme (30℃)		777.23	786.76	2.92	0.003734
Extreme (10℃)		777.23	786.76	3.10	0.003964
Extreme (0℃)		777.23	786.76	1.75	0.002238
Extreme (-10℃)		777.23	786.76	2.47	0.003159
Extreme (-20℃)		777.23	786.76	1.46	0.001867
Extreme (-30℃)		777.23	786.76	2.68	0.003427
20℃	15%	777.23	786.76	-1.99	-0.002545
	-15%	777.23	786.76	-1.50	-0.001918
	End Point	777.23	786.76	-0.46	-0.000588

LTE Band 17

Limit		704	716	Delta(Hz)	Frequency Stability (ppm)
Condition		F low@	F High@		
Temperature	Voltage	-13dBm(MHz)	-13dBm(MHz)		
Normal (20℃)	Normal	705.23	714.76		
Extreme (50℃)		705.23	714.76	1.39	0.001958
Extreme (40℃)		705.23	714.76	0.76	0.001070
Extreme (30℃)		705.23	714.76	2.68	0.003775
Extreme (10℃)		705.23	714.76	5.55	0.007817
Extreme (0℃)		705.23	714.76	5.19	0.007310
Extreme (-10℃)		705.23	714.76	4.85	0.006831
Extreme (-20℃)		705.23	714.76	4.19	0.005901
Extreme (-30℃)		705.23	714.76	2.46	0.003465
20℃	15%	705.23	714.76	2.22	0.003127
	-15%	705.23	714.76	1.83	0.002577
	End Point	705.23	714.76	1.77	0.002493