

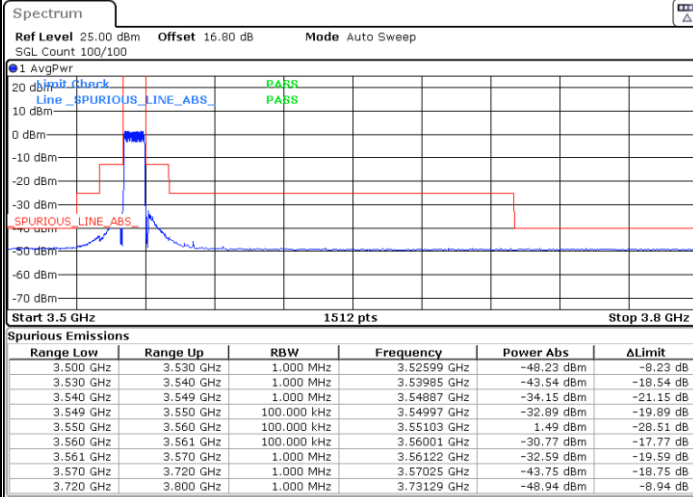


LTE Band 48 / 10MHz

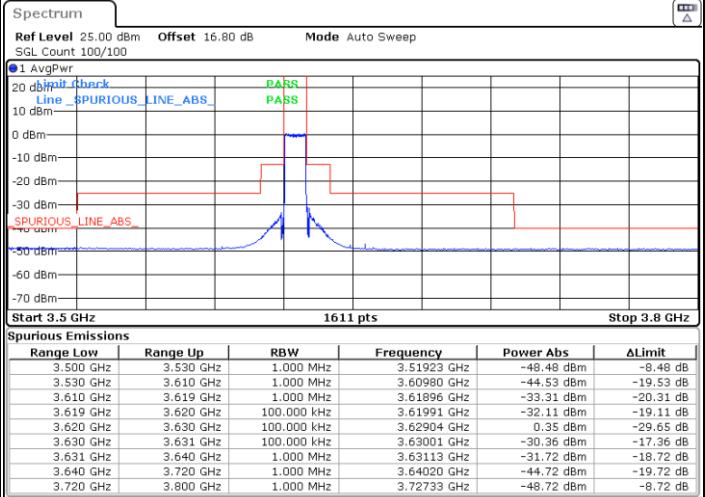
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



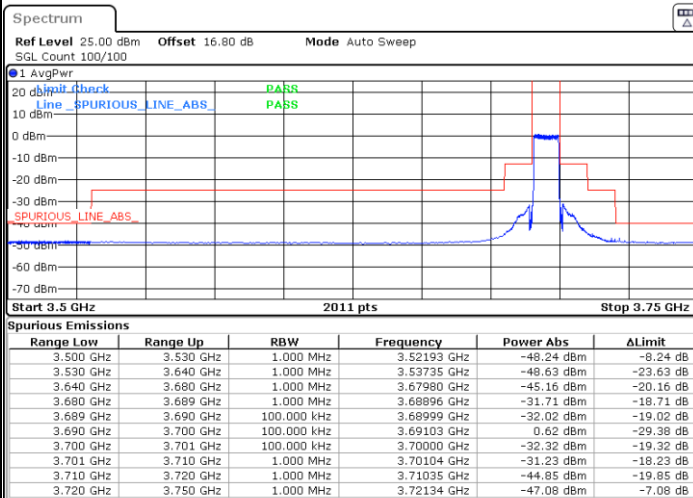
Date: 27.JUN.2024 09:56:12



Date: 27.JUN.2024 09:57:50

Highest Channel / FullIRB

N/A



Date: 27.JUN.2024 09:59:28

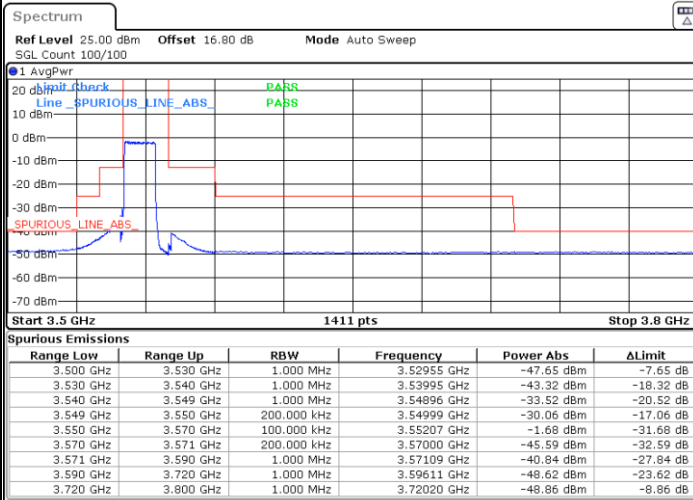


LTE Band 48 / 15MHz

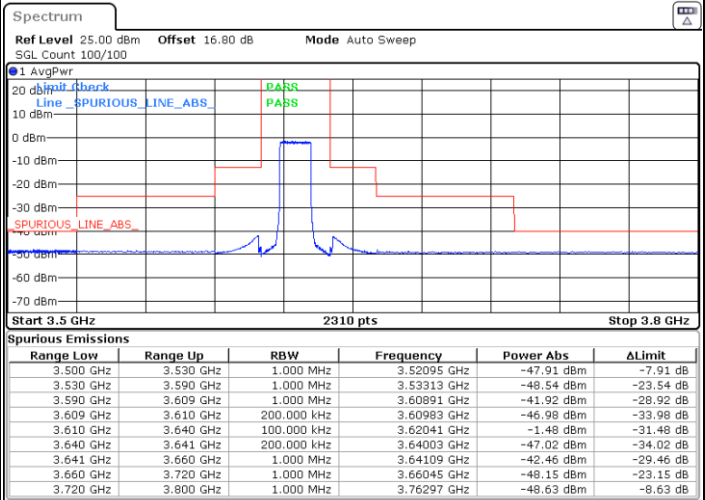
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



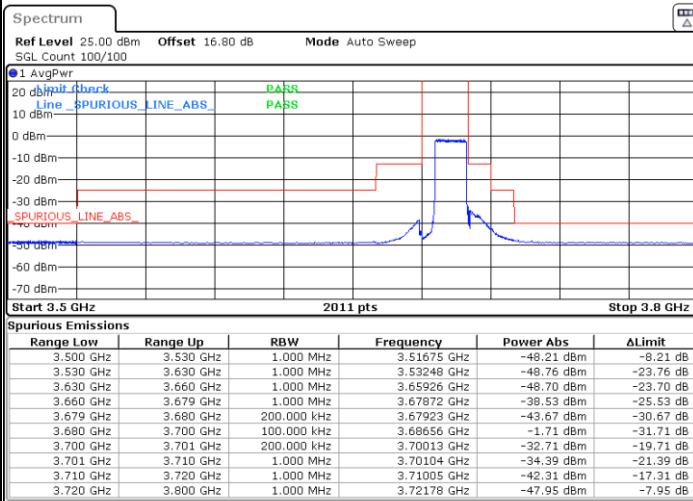
Date: 27.JUN.2024 10:02:12



Date: 27.JUN.2024 10:03:49

Highest Channel / FullIRB

N/A



Date: 27.JUN.2024 10:05:28

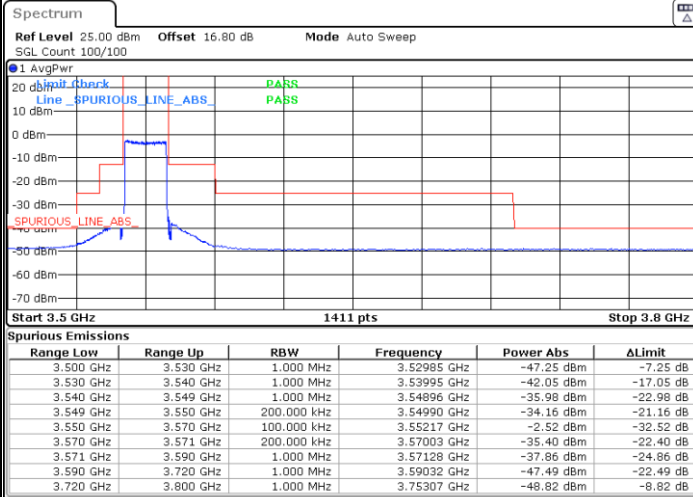


LTE Band 48 / 20MHz

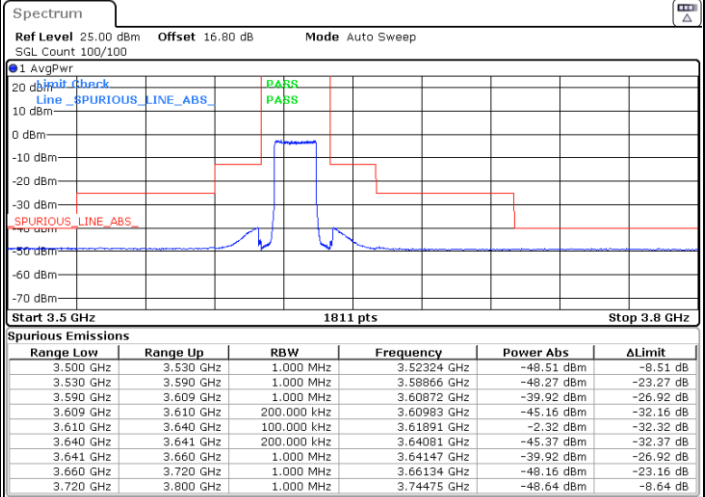
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



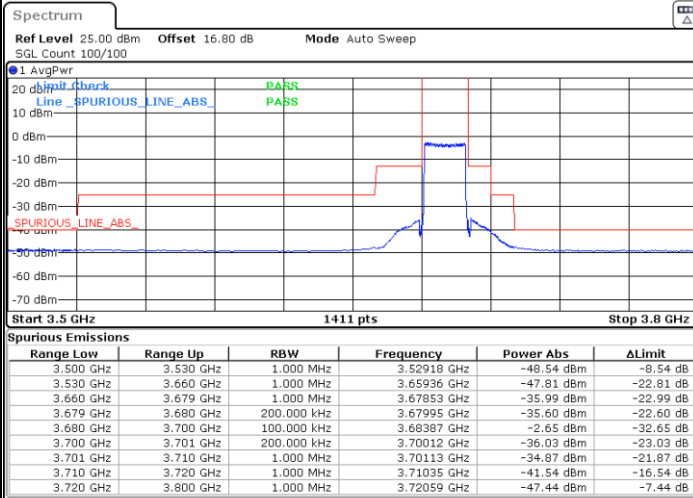
Date: 27 JUN 2024 10:06:23



Date: 27 JUN 2024 10:08:01

Highest Channel / FullIRB

N/A



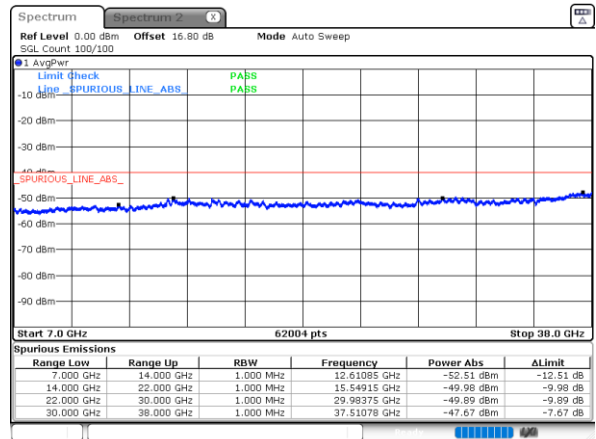
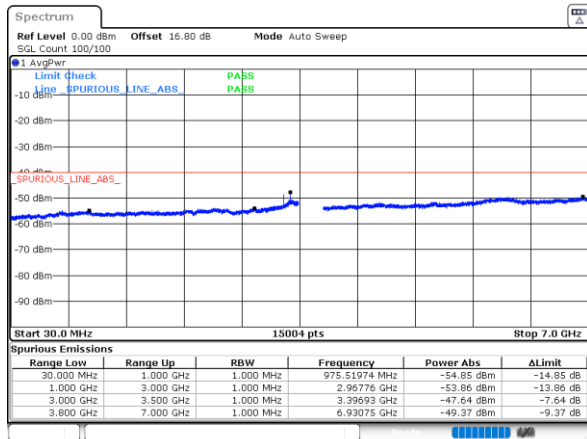
Date: 27 JUN 2024 10:09:39



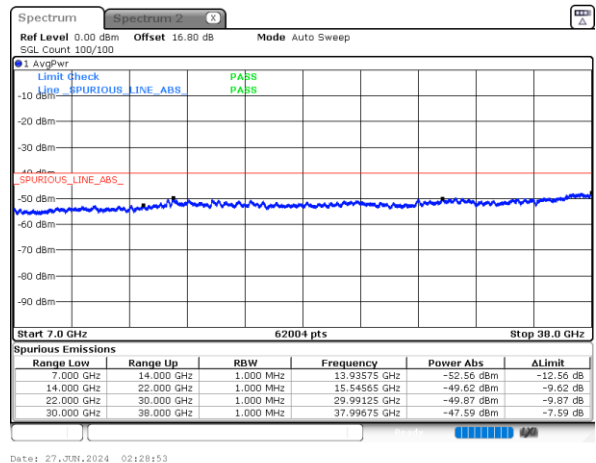
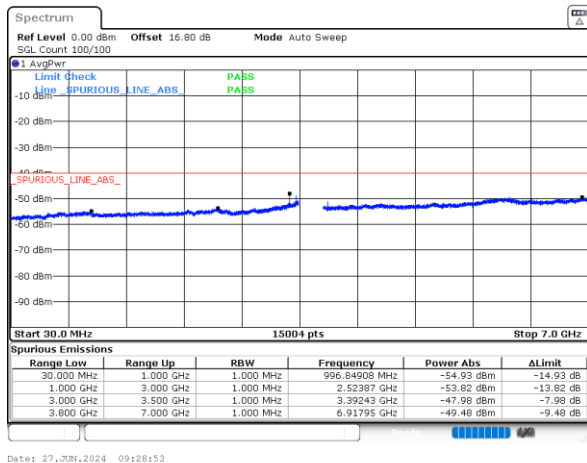
Conducted Spurious Emission

LTE Band 48 / 5MHz

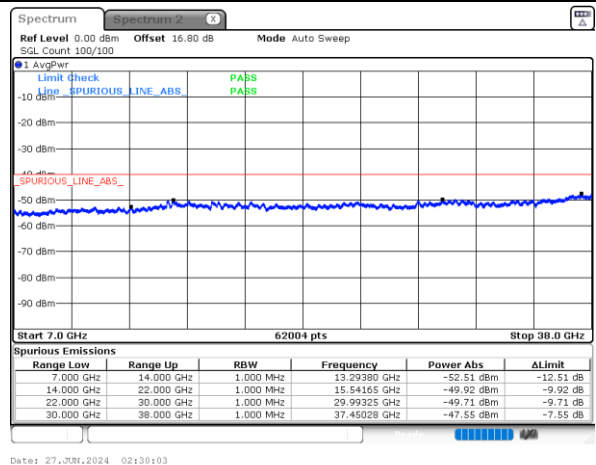
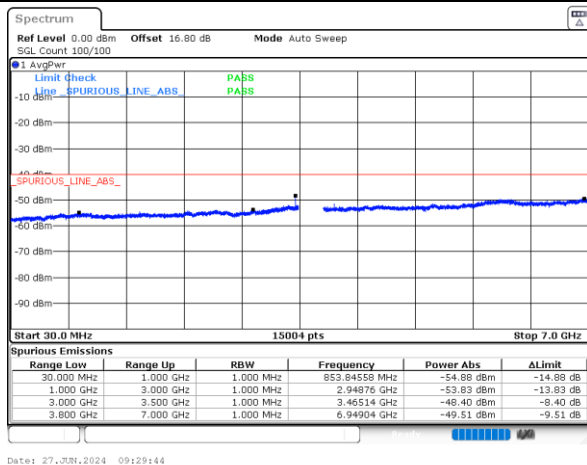
Lowest Channel / QPSK



Middle Channel / QPSK



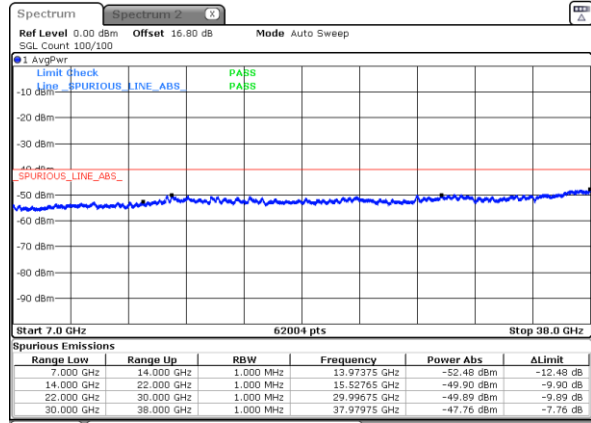
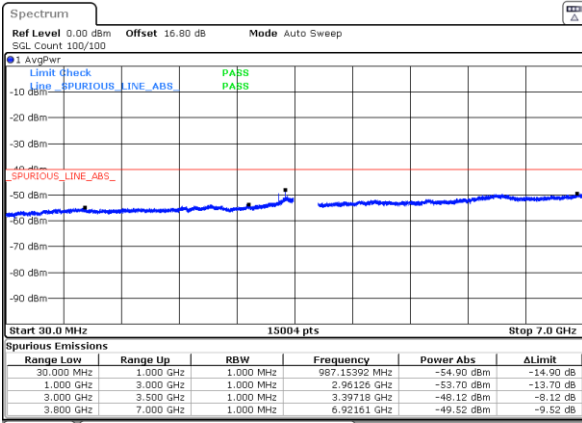
Highest Channel / QPSK



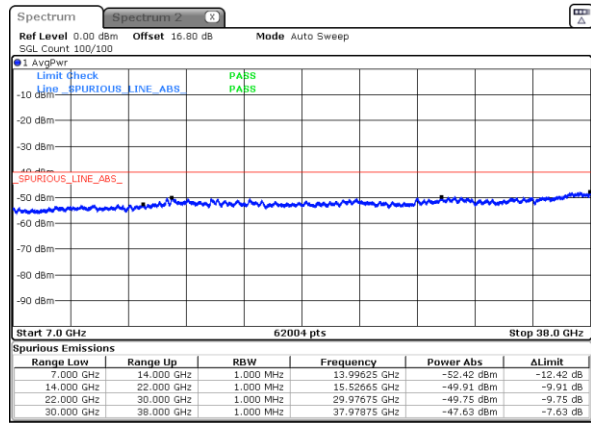
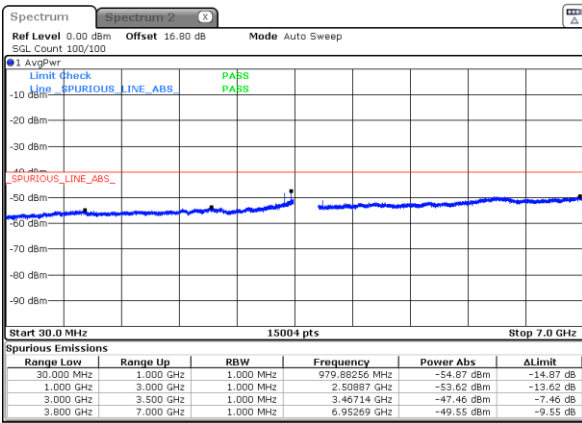


LTE Band 48 / 10MHz

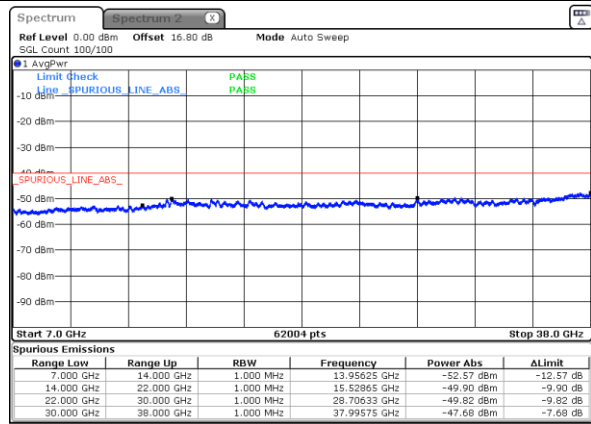
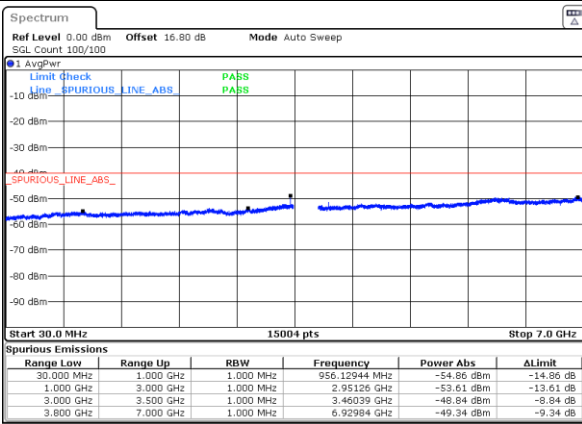
Lowest Channel / QPSK



Middle Channel / QPSK



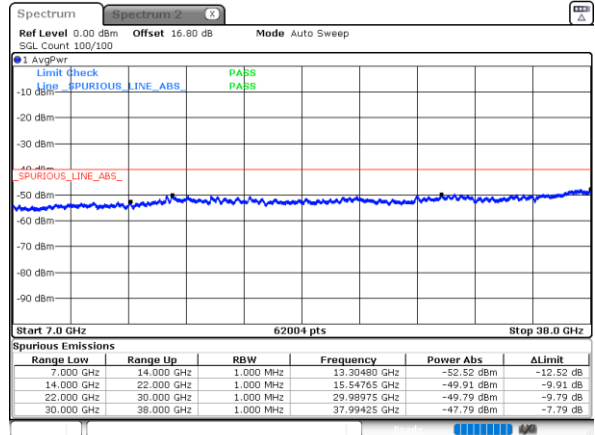
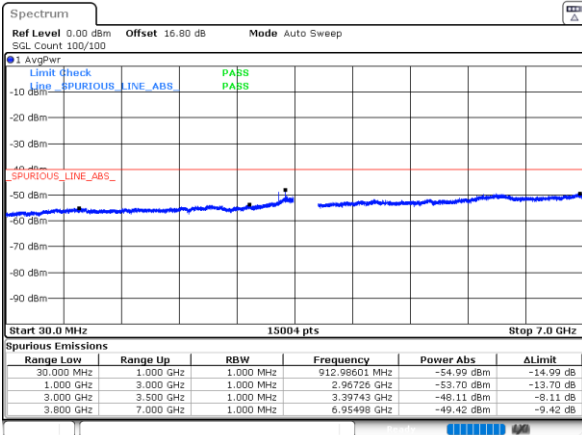
Highest Channel / QPSK



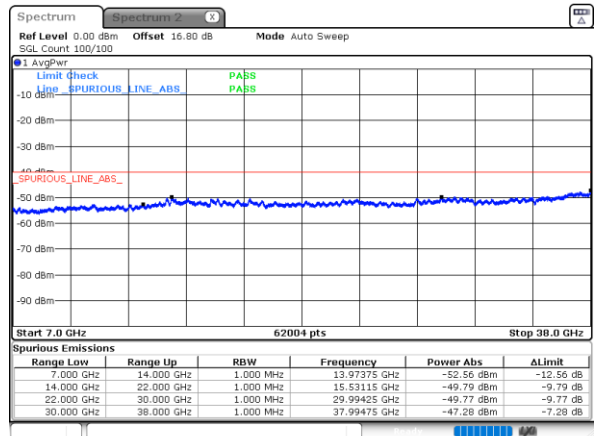
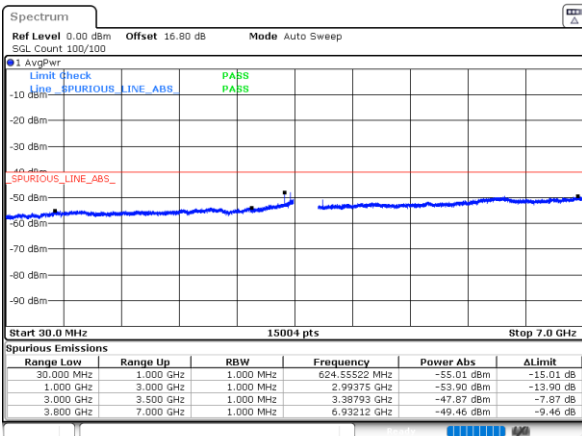


LTE Band 48 / 15MHz

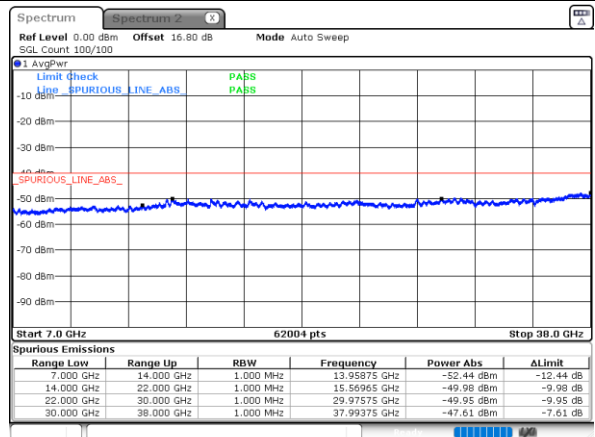
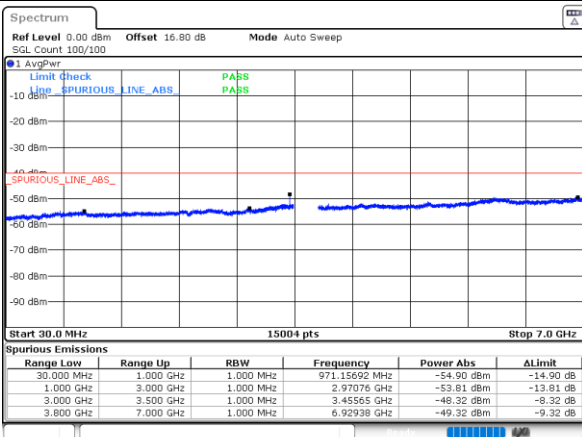
Lowest Channel / QPSK



Middle Channel / QPSK



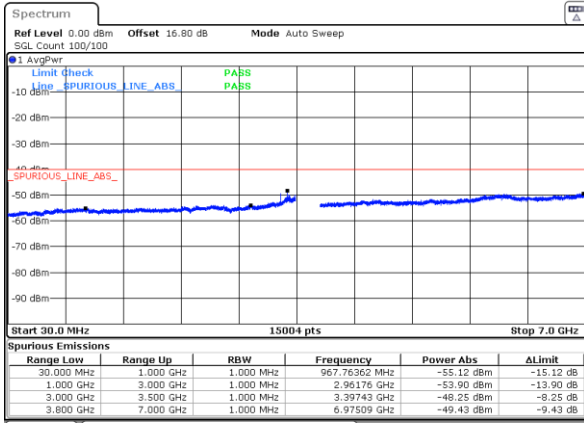
Highest Channel / QPSK



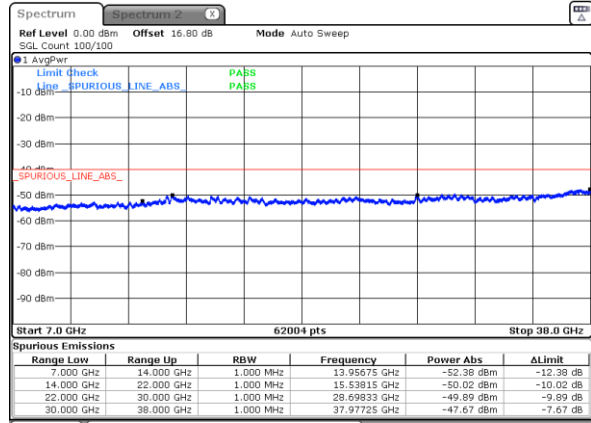


LTE Band 48 / 20MHz

Lowest Channel / QPSK

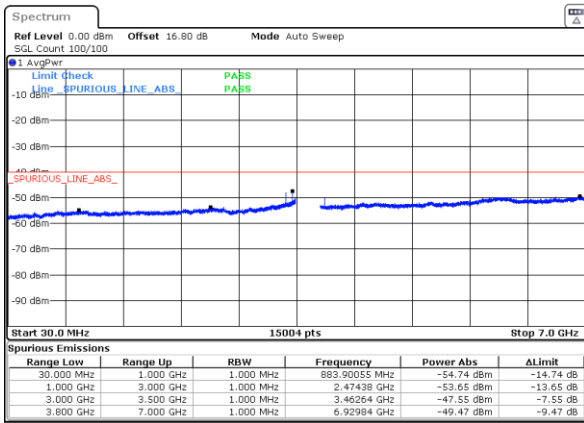


Date: 27 JUN 2024 09:35:50

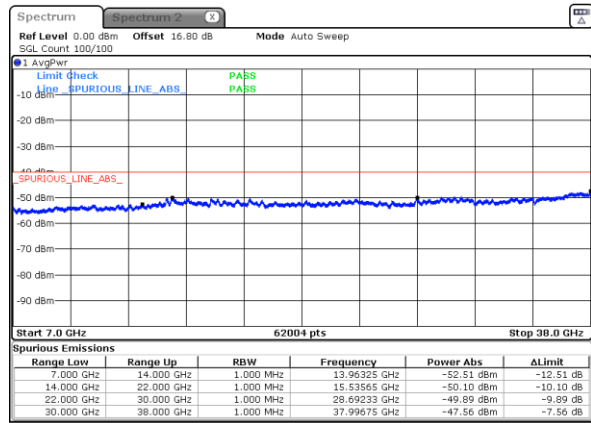


Date: 27 JUN 2024 02:13:23

Middle Channel / QPSK

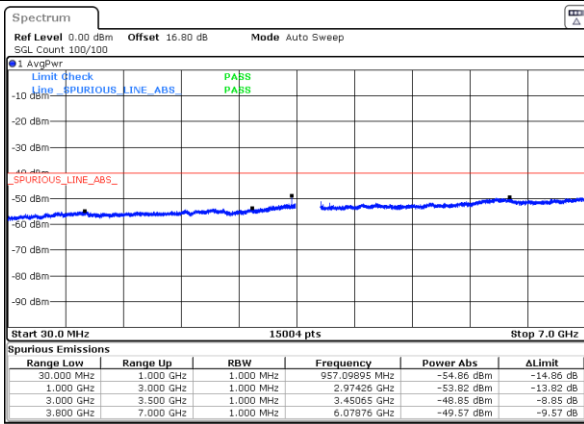


Date: 27 JUN 2024 09:36:41

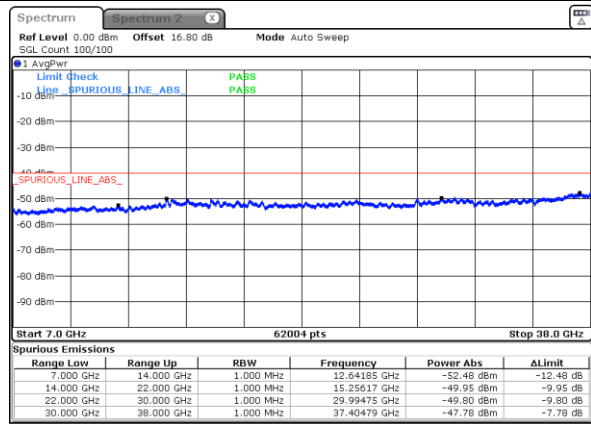


Date: 27 JUN 2024 02:13:33

Highest Channel / QPSK



Date: 27 JUN 2024 09:37:32



Date: 27 JUN 2024 02:14:48

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0038	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

B.1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 96	LTE B48	L	14204	-48.90	RMS	40.79	-25.32	2.52	-95.23	28.34	-40.00	-8.90	H	TX0
2	Part 96	LTE B48	L	14204	-48.93	RMS	40.79	-25.32	2.52	-95.23	28.31	-40.00	-8.93	V	TX1

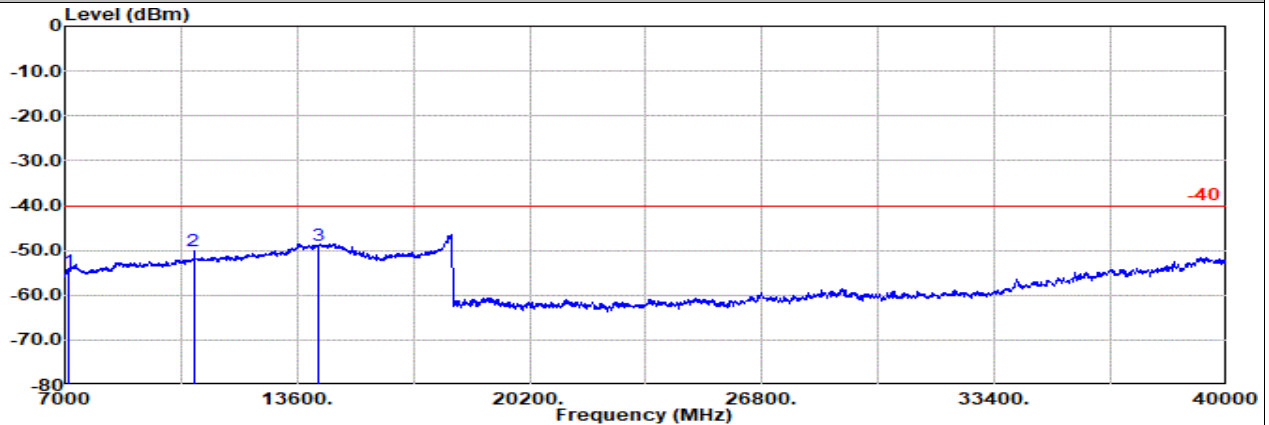


TX0

Part 96 Mode 1

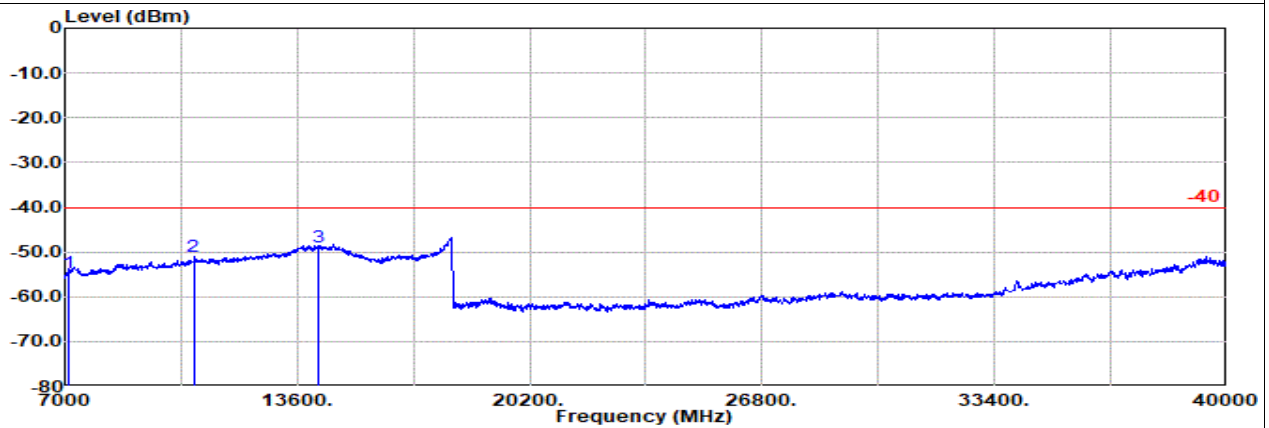
LTE B48 20M Ch55340 1RB0 QPSK

L



Site : 03CH23-HY
Condition: -40 1m SHF_1223_230710 Horizontal
: LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin Pol	
				Factor	1					
1	7102.00	-54.65	RMS	36.41	-23.14	2.49	-95.23	24.82	-40.00	-14.65 Horizontal
2	10653.00	-50.22	RMS	39.09	-24.08	2.15	-95.23	27.85	-40.00	-10.22 Horizontal
3	14204.00	-48.90	RMS	40.79	-25.32	2.52	-95.23	28.34	-40.00	-8.90 Horizontal



Site : 03CH23-HY
Condition: -40 1m SHF_1223_230710 Vertical
: LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin Pol	
				Factor	1					
1	7102.00	-54.55	RMS	36.41	-23.14	2.49	-95.23	24.92	-40.00	-14.55 Vertical
2	10653.00	-50.98	RMS	39.09	-24.08	2.15	-95.23	27.09	-40.00	-10.98 Vertical
3	14204.00	-48.92	RMS	40.79	-25.32	2.52	-95.23	28.32	-40.00	-8.92 Vertical

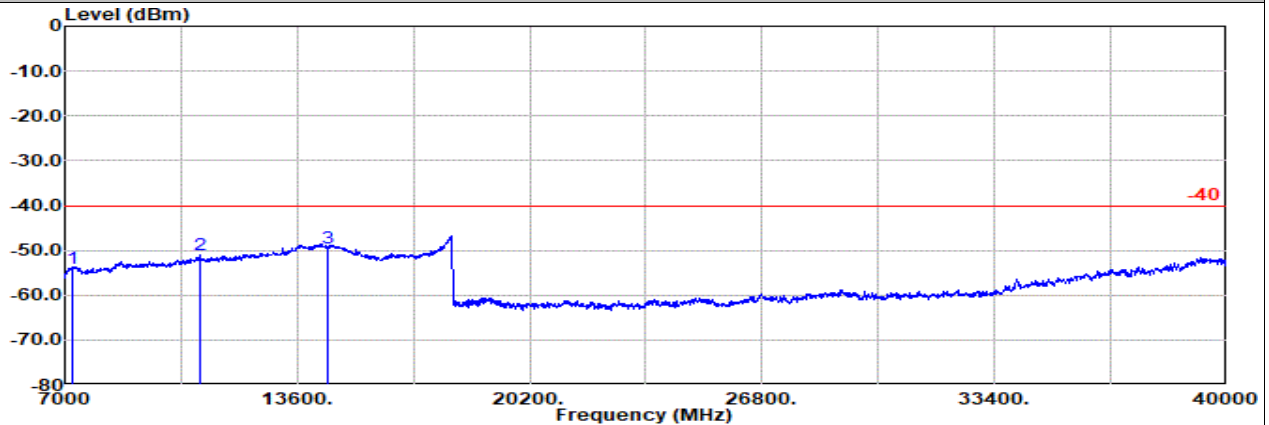


TX0

Part 96 Mode 1

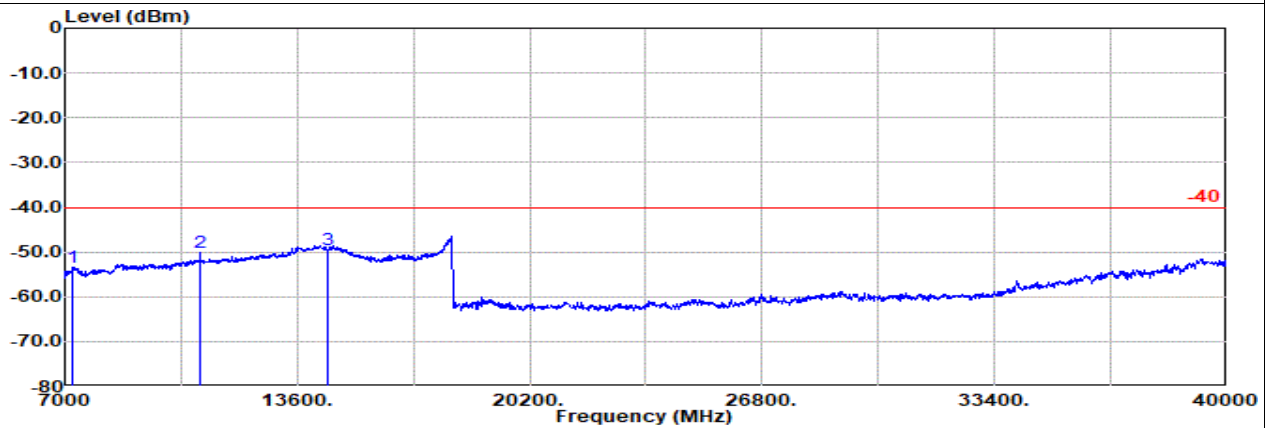
LTE B48 20M Ch55990 1RB0 QPSK

M



Site : 03CH23-HY
Condition: -40 1m SHF_1223_230710 Horizontal
: LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	7232.00	-53.95	RMS	37.06	-23.05	2.50	-95.23	24.77	-40.00	-13.95 Horizontal
2	10848.00	-50.91	RMS	39.00	-24.16	2.16	-95.23	27.32	-40.00	-10.91 Horizontal
3	14464.00	-49.36	RMS	40.53	-25.53	2.57	-95.23	28.30	-40.00	-9.36 Horizontal



Site : 03CH23-HY
Condition: -40 1m SHF_1223_230710 Vertical
: LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	7232.00	-53.50	RMS	37.06	-23.05	2.50	-95.23	25.22	-40.00	-13.50 Vertical
2	10848.00	-50.13	RMS	39.00	-24.16	2.16	-95.23	28.10	-40.00	-10.13 Vertical
3	14464.00	-49.45	RMS	40.53	-25.53	2.57	-95.23	28.21	-40.00	-9.45 Vertical

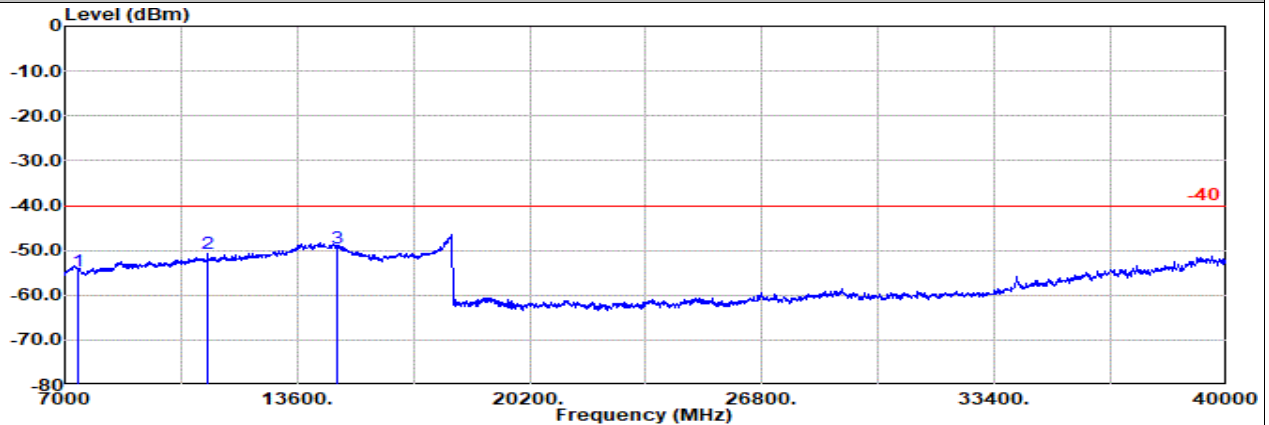


TX0

Part 96 Mode 1

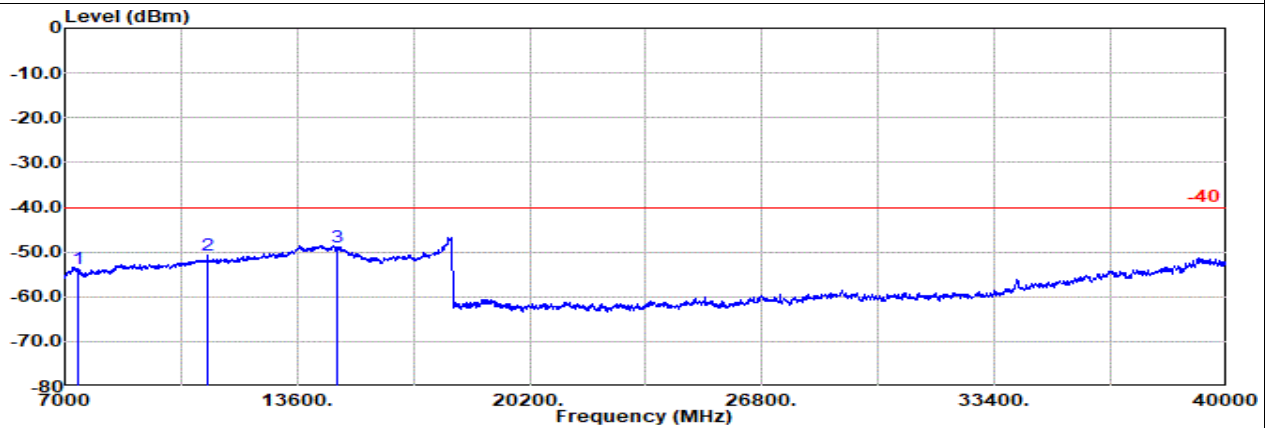
LTE B48 20M Ch56640 1RB0 QPSK

H



Site : 03CH23-HY
Condition: -40 1m SHF_1223_230710 Horizontal
: LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	7362.00	-54.54	RMS	36.85	-22.84	2.36	-95.23	24.32	-40.00	-14.54 Horizontal
2	11043.00	-50.78	RMS	38.73	-24.21	2.17	-95.23	27.76	-40.00	-10.78 Horizontal
3	14724.00	-49.52	RMS	40.35	-25.76	2.62	-95.23	28.50	-40.00	-9.52 Horizontal



Site : 03CH23-HY
Condition: -40 1m SHF_1223_230710 Vertical
: LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm								
1	7362.00	-53.76	RMS	36.85	-22.84	2.36	-95.23	25.10	-40.00	-13.76 Vertical
2	11043.00	-50.59	RMS	38.73	-24.21	2.17	-95.23	27.95	-40.00	-10.59 Vertical
3	14724.00	-49.00	RMS	40.35	-25.76	2.62	-95.23	29.02	-40.00	-9.00 Vertical

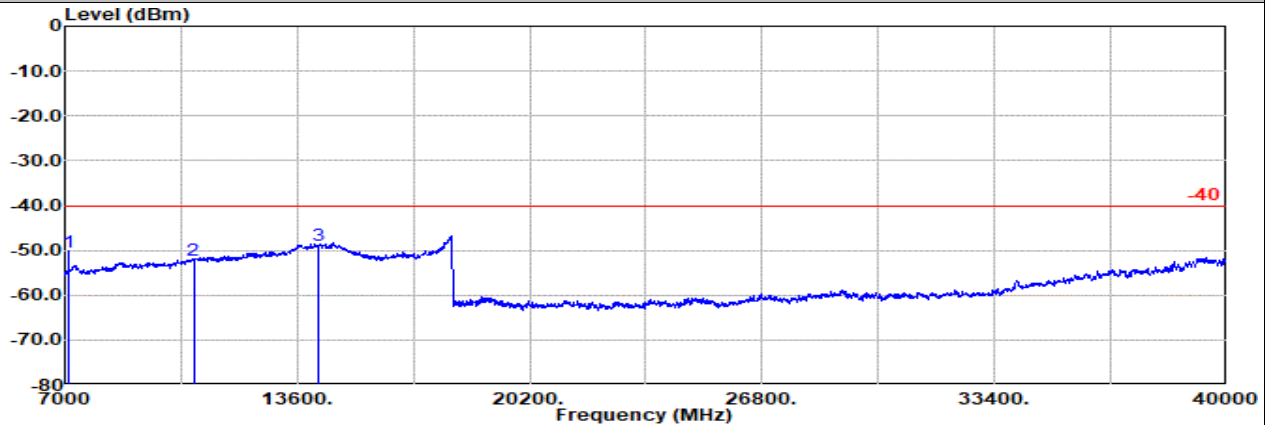


TX1

Part 96 Mode 2

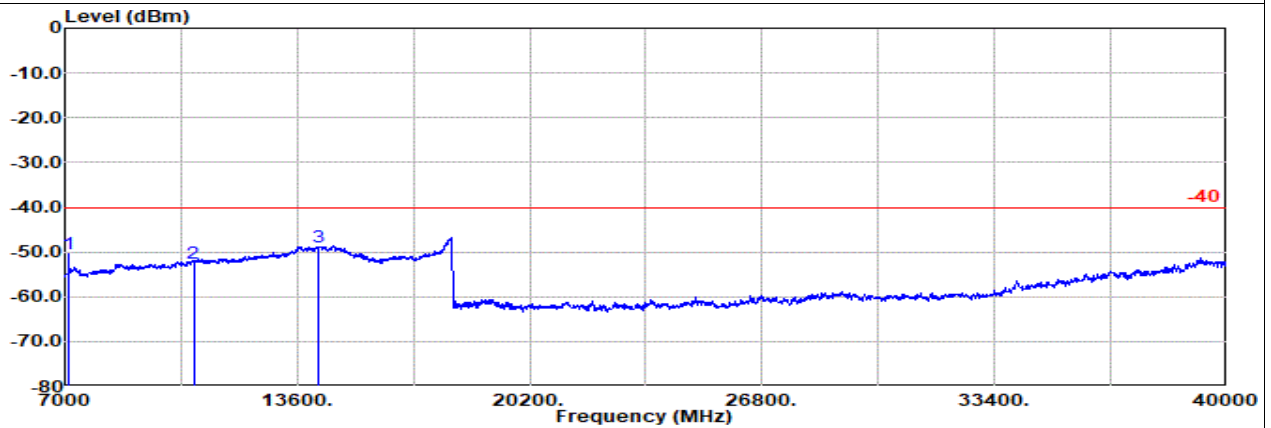
LTE B48 20M Ch55340 1RB0 QPSK

L



Site : 03CH23-HY
Condition: -40 1m SHF_1223_230710 Horizontal
: LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1				g		
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7102.00	-50.29	RMS	36.41	-23.14	2.49	-95.23	29.18	-40.00	-10.29	Horizontal
2	10653.00	-52.36	RMS	39.09	-24.08	2.15	-95.23	25.71	-40.00	-12.36	Horizontal
3	14204.00	-48.97	RMS	40.79	-25.32	2.52	-95.23	28.27	-40.00	-8.97	Horizontal



Site : 03CH23-HY
Condition: -40 1m SHF_1223_230710 Vertical
: LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb l	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7102.00	-50.29	RMS	36.41	-23.14	2.49	-95.23	29.18	-40.00	-10.29	Vertical
2	10653.00	-52.42	RMS	39.09	-24.08	2.15	-95.23	25.65	-40.00	-12.42	Vertical
3	14204.00	-48.93	RMS	40.79	-25.32	2.52	-95.23	28.31	-40.00	-8.93	Vertical

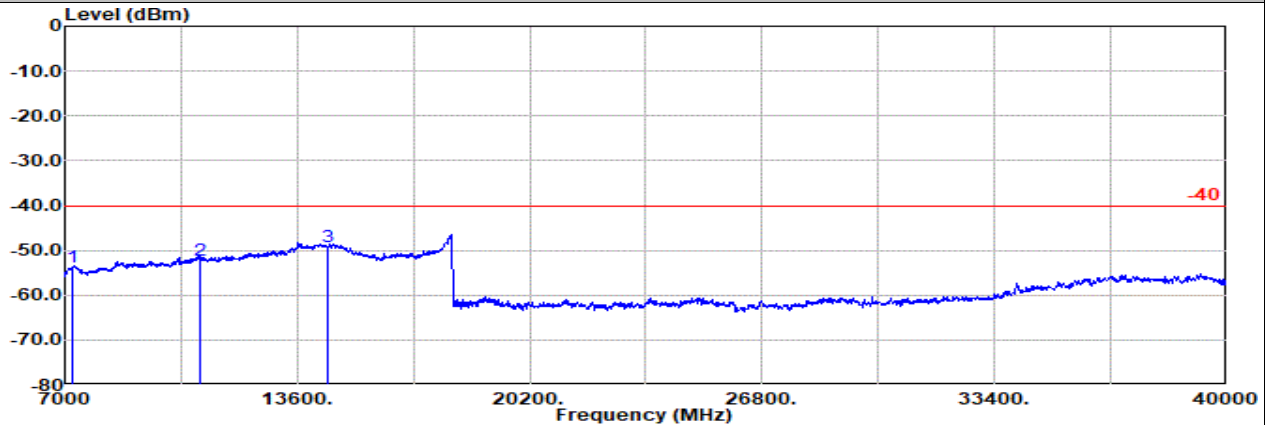


TX1

Part 96 Mode 2

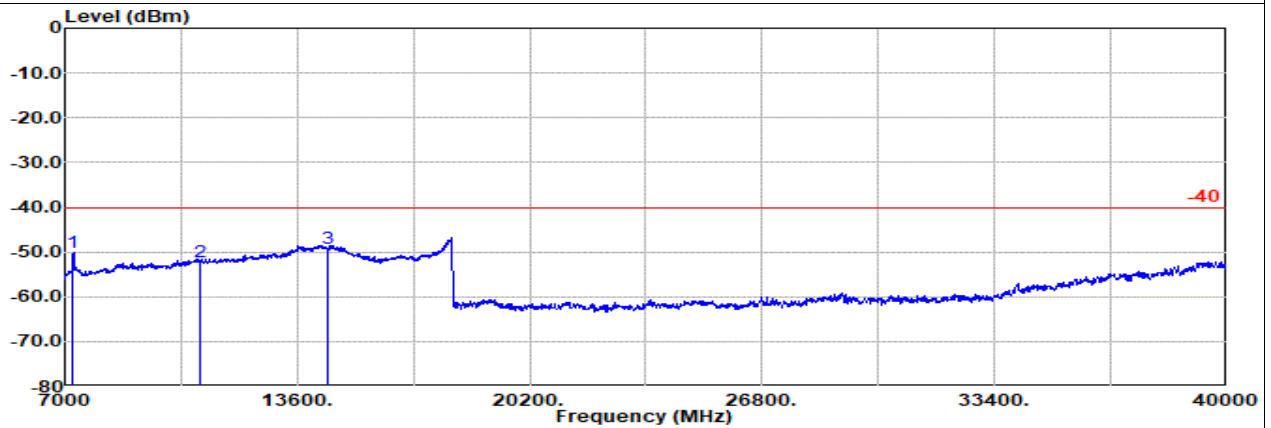
LTE B48 20M Ch55990 1RB0 QPSK

M



Site : 03CH23-HY
Condition: -40 1m SHF_1223_230710 Horizontal
: LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7232.00	-53.73	RMS	37.06	-23.05	2.50	-95.23	24.99	-40.00	-13.73 Horizontal
2	10848.00	-52.14	RMS	39.00	-24.16	2.16	-95.23	26.09	-40.00	-12.14 Horizontal
3	14464.00	-49.12	RMS	40.53	-25.53	2.57	-95.23	28.54	-40.00	-9.12 Horizontal



Site : 03CH23-HY
Condition: -40 1m SHF_1223_230710 Vertical
: LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7232.00	-50.05	RMS	37.06	-23.05	2.50	-95.23	28.67	-40.00	-10.05 Vertical
2	10848.00	-52.18	RMS	39.00	-24.16	2.16	-95.23	26.05	-40.00	-12.18 Vertical
3	14464.00	-49.21	RMS	40.53	-25.53	2.57	-95.23	28.45	-40.00	-9.21 Vertical

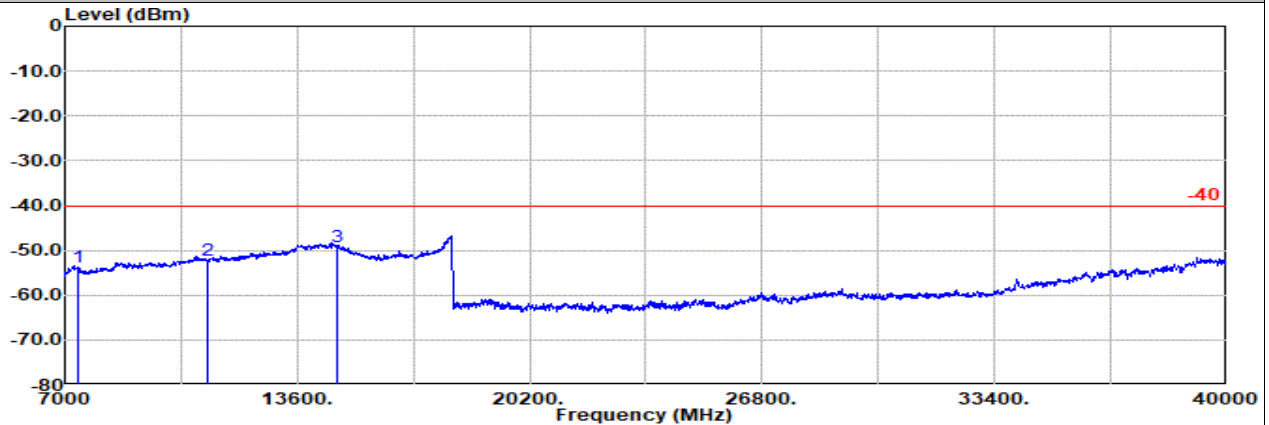


TX1

Part 96 Mode 2

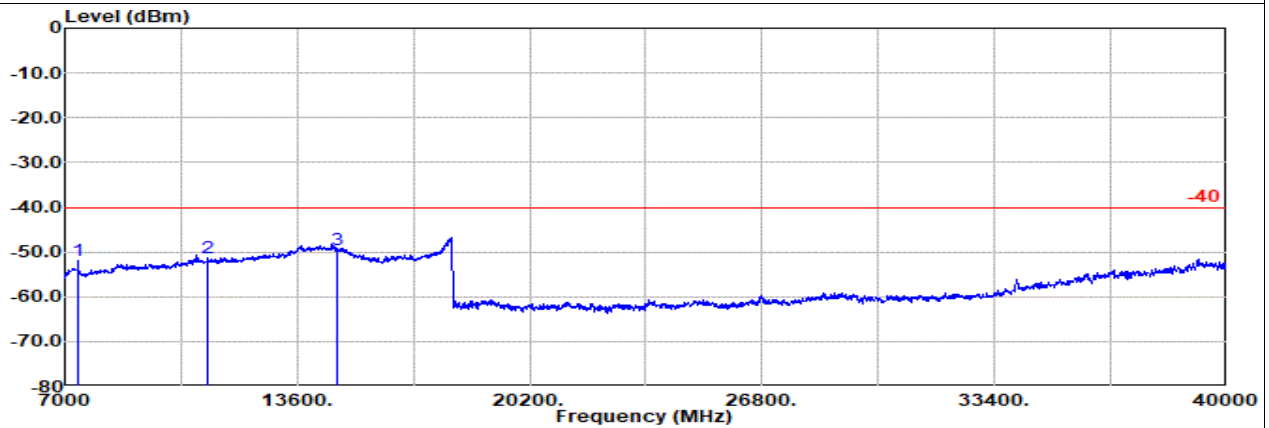
LTE B48 20M Ch56640 1RB0 QPSK

H



Site : 03CH23-HY
Condition: -40 1m SHF_1223_230710 Horizontal
: LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7362.00	-53.65	RMS	36.85	-22.84	2.36	-95.23	25.21	-40.00	-13.65 Horizontal
2	11043.00	-52.16	RMS	38.73	-24.21	2.17	-95.23	26.38	-40.00	-12.16 Horizontal
3	14724.00	-49.10	RMS	40.35	-25.76	2.62	-95.23	28.92	-40.00	-9.10 Horizontal



Site : 03CH23-HY
Condition: -40 1m SHF_1223_230710 Vertical
: LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
				Factor	1		g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB
1	7362.00	-51.94	RMS	36.85	-22.84	2.36	-95.23	26.92	-40.00	-11.94 Vertical
2	11043.00	-51.44	RMS	38.73	-24.21	2.17	-95.23	27.10	-40.00	-11.44 Vertical
3	14724.00	-49.58	RMS	40.35	-25.76	2.62	-95.23	28.44	-40.00	-9.58 Vertical

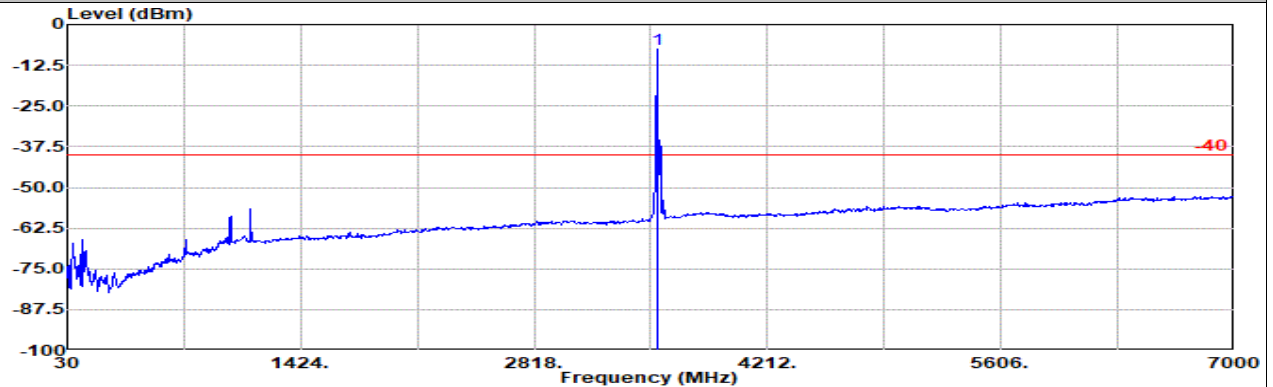


TX0

Part 96 Mode 1

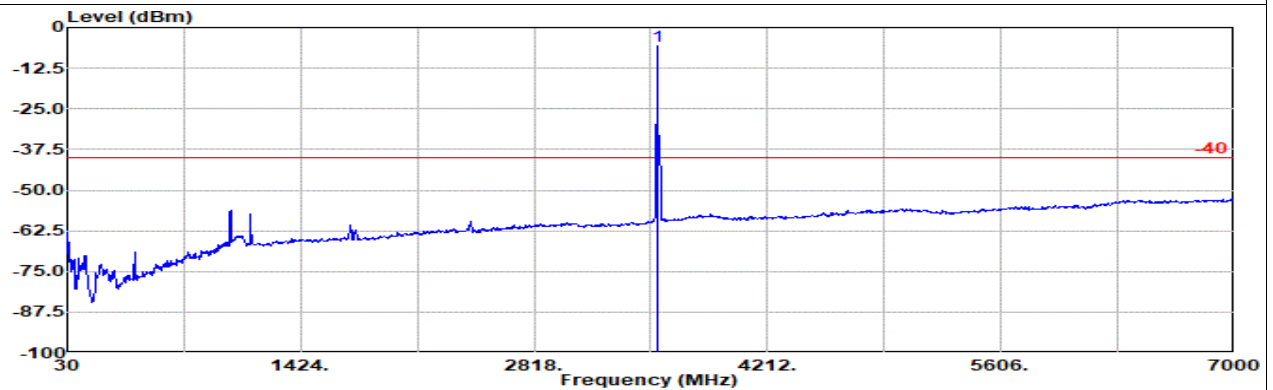
LTE B48 20M Ch55340 1RB0 QPSK

L



Site : 03CH23-HY
Condition: -40 3m DRH18-E_LE2C05A18EN_240620 Horizontal
: LTE Band 48 20M Ch55340 1RB0 QPSK
: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin	Pol
	MHz	dBm		Factor	1		dB	dB	dBuV	dBm		
1	3556.00	-7.51	RMS	29.40	-23.40	3.64	-95.23	78.08	-40.00	32.49		Horizontal



Site : 03CH23-HY
Condition: -40 3m DRH18-E_LE2C05A18EN_240620 Vertical
: LTE Band 48 20M Ch55340 1RB0 QPSK
: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin	Pol
	MHz	dBm		Factor	1		dB	dB	dBuV	dBm		
1	3556.00	-5.59	RMS	29.40	-23.40	3.64	-95.23	80.00	-40.00	34.41		Vertical

Remark: The over limit signal #1 is fundamental signal which can be ignored.

————THE END————