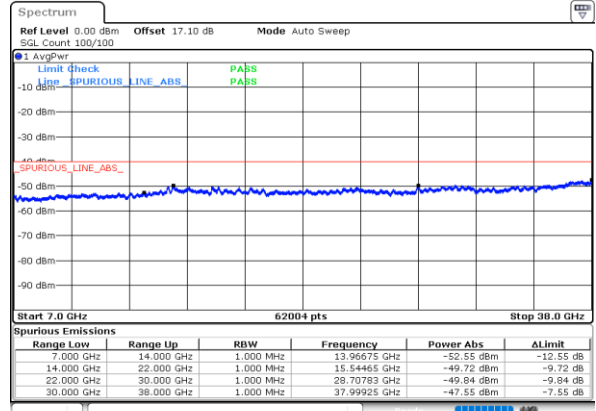
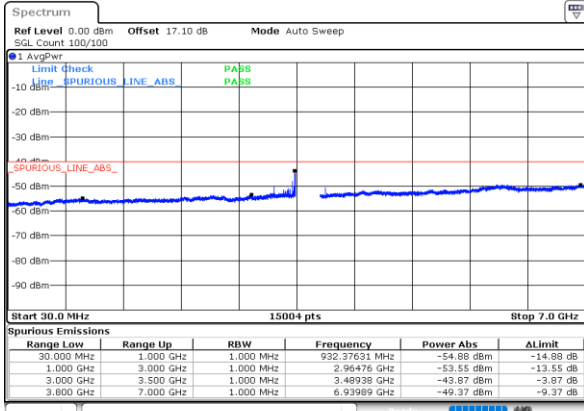




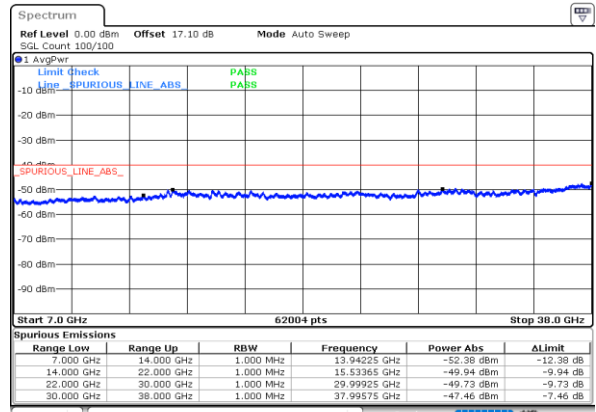
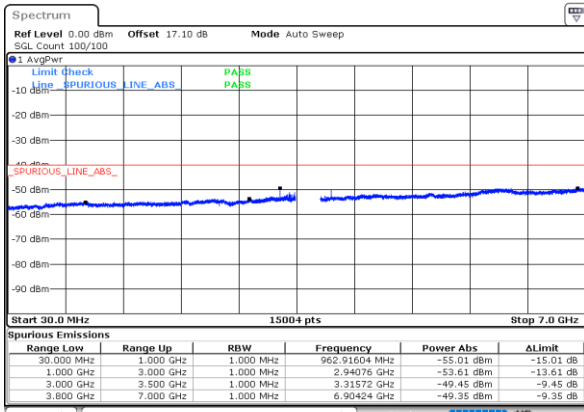
Conducted Spurious Emission

LTE Band 48 / 5MHz

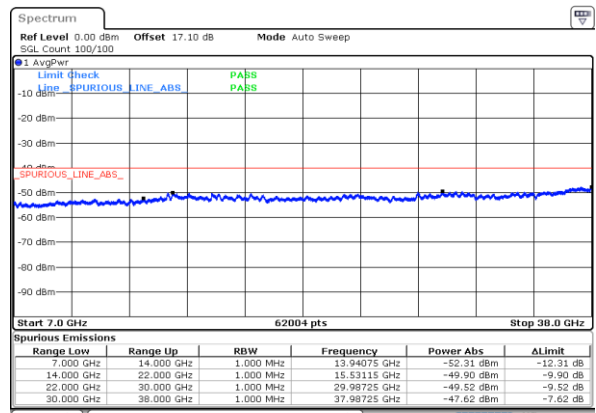
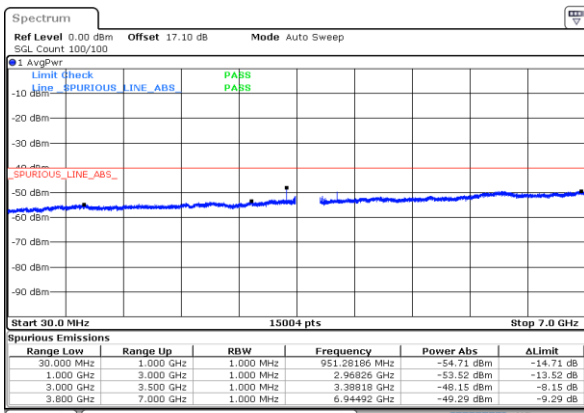
Lowest Channel / QPSK



Middle Channel / QPSK



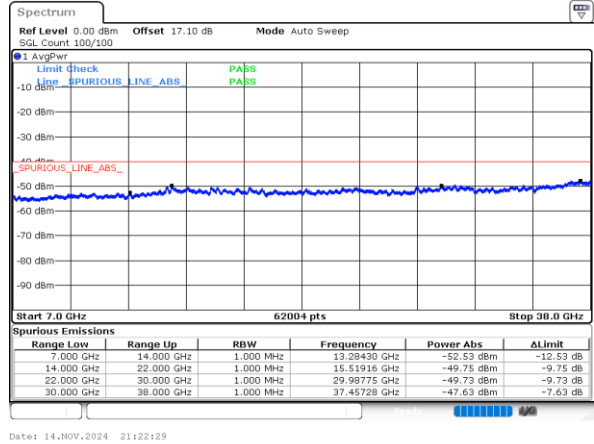
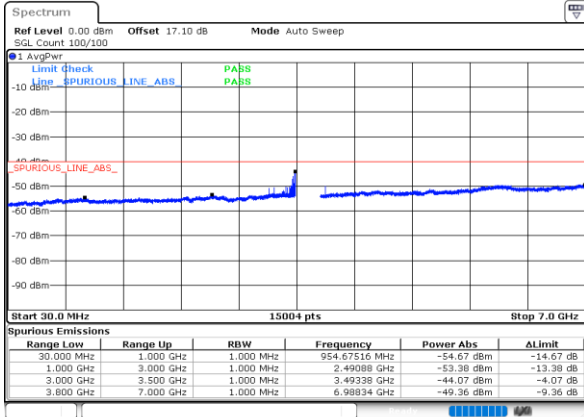
Highest Channel / QPSK



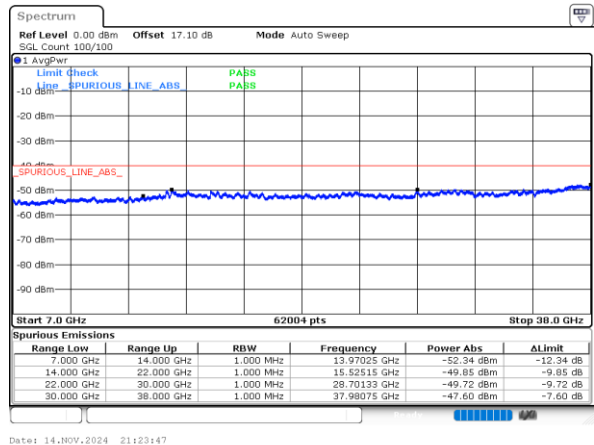
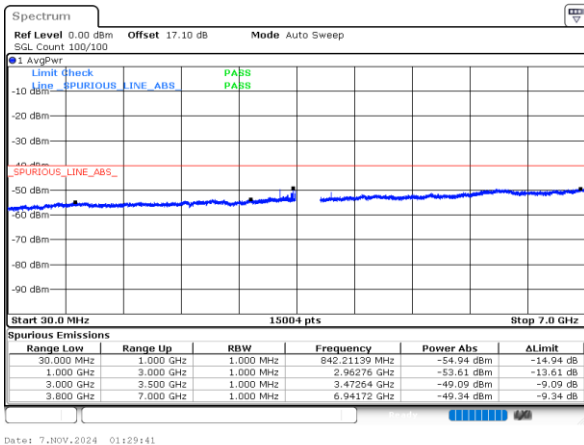


LTE Band 48 / 10MHz

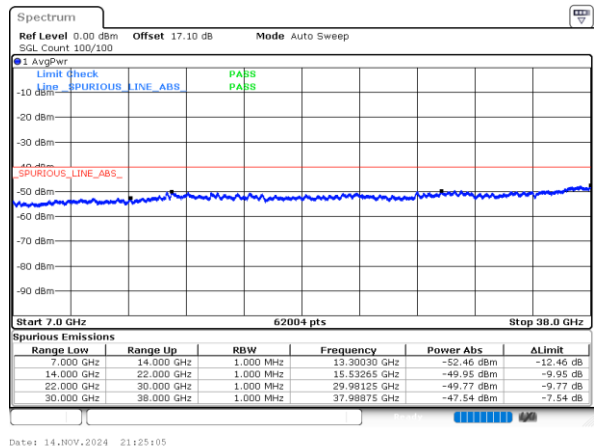
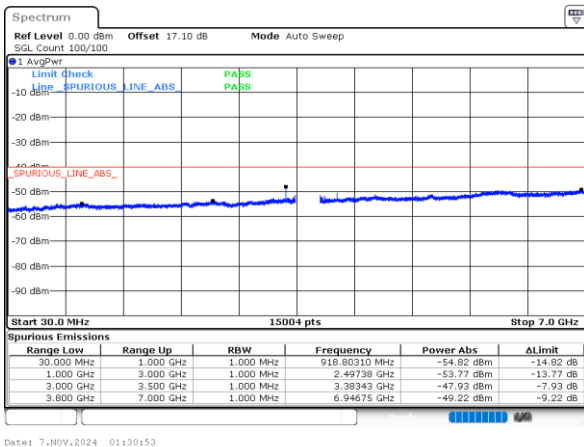
Lowest Channel / QPSK



Middle Channel / QPSK



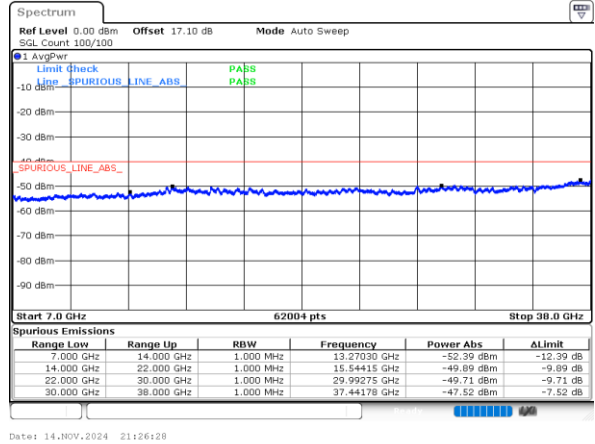
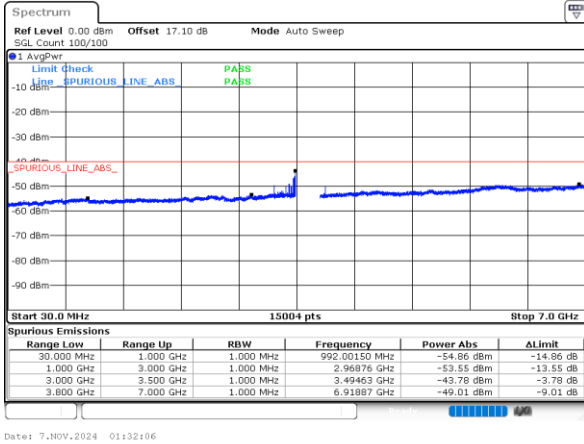
Highest Channel / QPSK



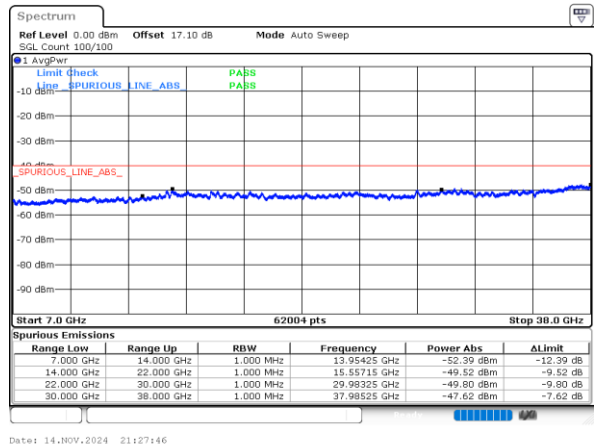
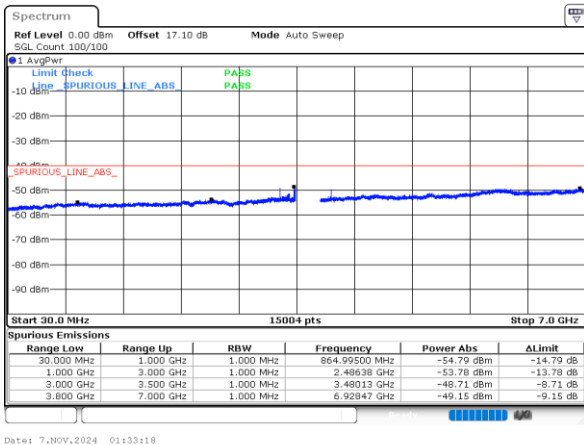


LTE Band 48 / 15MHz

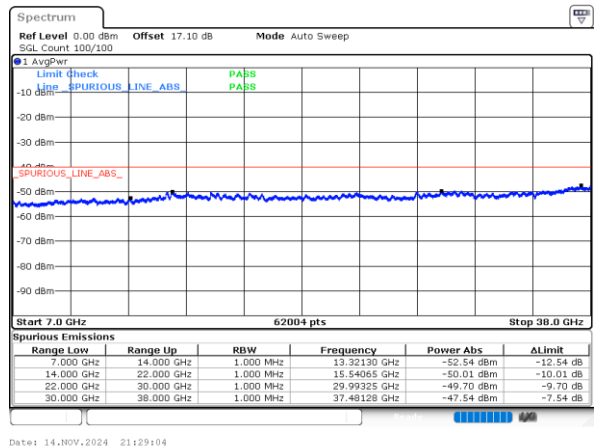
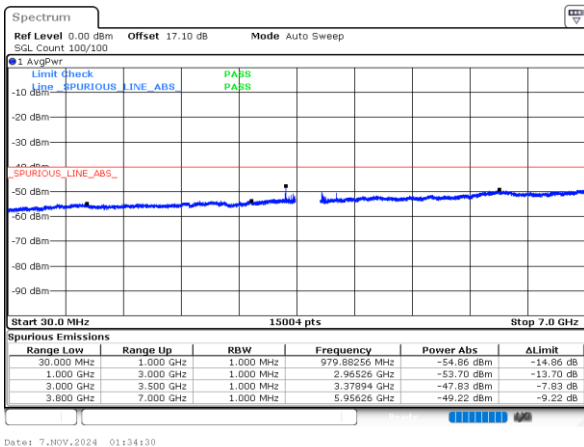
Lowest Channel / QPSK



Middle Channel / QPSK



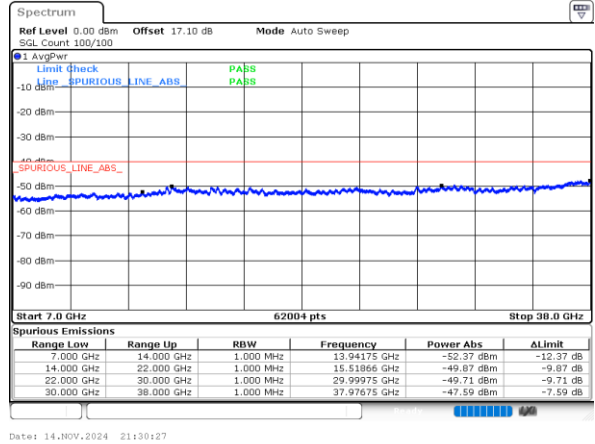
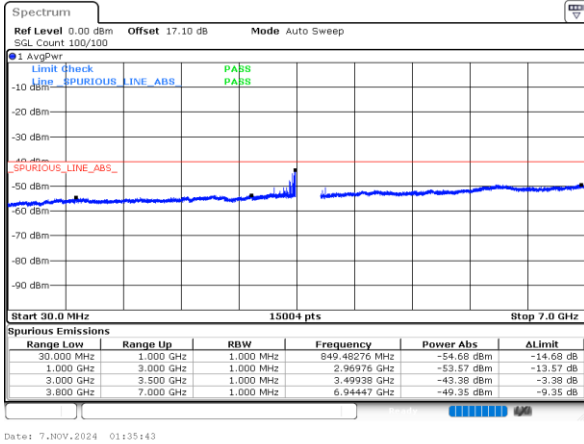
Highest Channel / QPSK



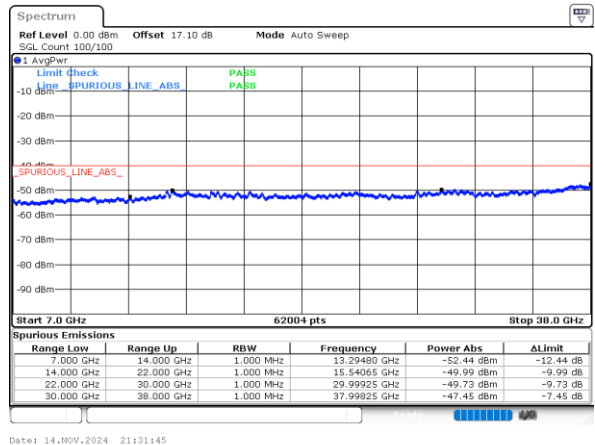
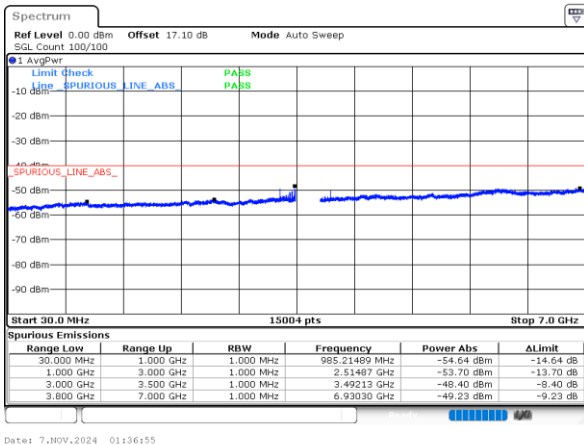


LTE Band 48 / 20MHz

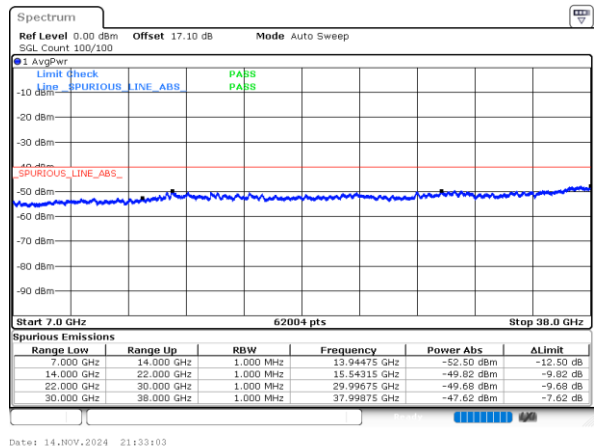
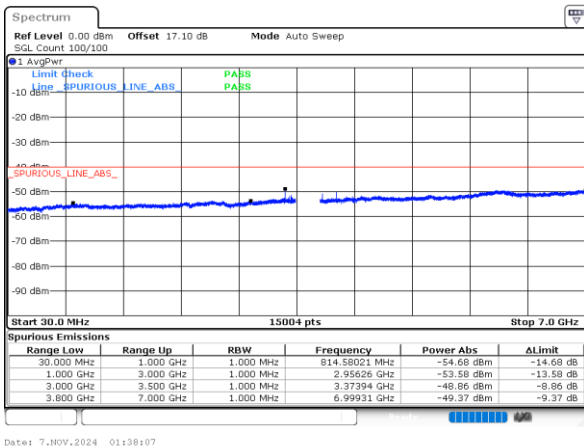
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



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	0.0039	PASS
40	Normal Voltage	0.0041	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0049	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0043	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0048	
20	Maximum Voltage	0.0034	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0001	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.465 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

B1. 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	H	7362	-47.86	RMS	36.80	-20.74	1.06	-95.23	30.25	-40.00	-7.86	V	Ant1
2	Part 96	LTE B48	M	7232	-49.55	RMS	36.56	-20.81	1.00	-95.23	28.93	-40.00	-9.55	V	Ant4

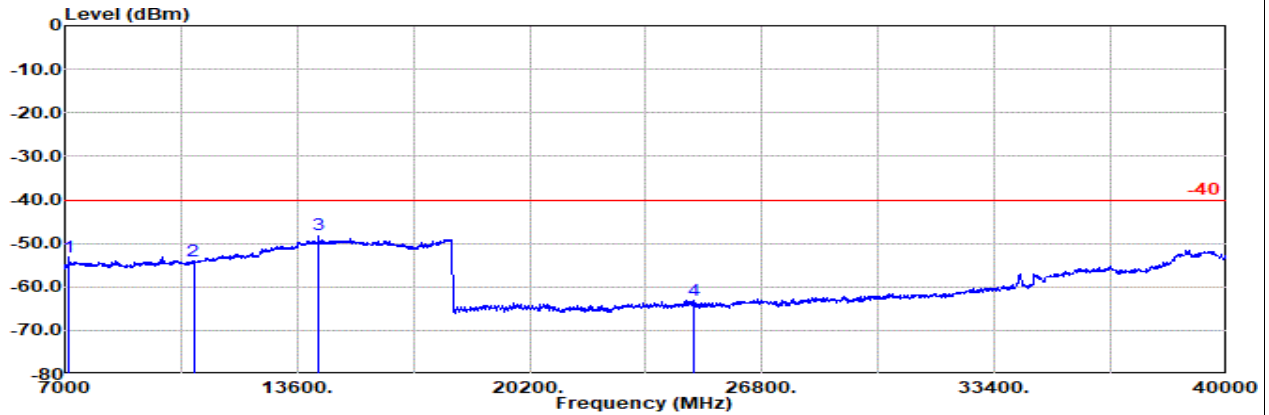


Ant1

Part 96 Mode 1

LTE B48 20M Ch55340 1RB0 QPSK

L

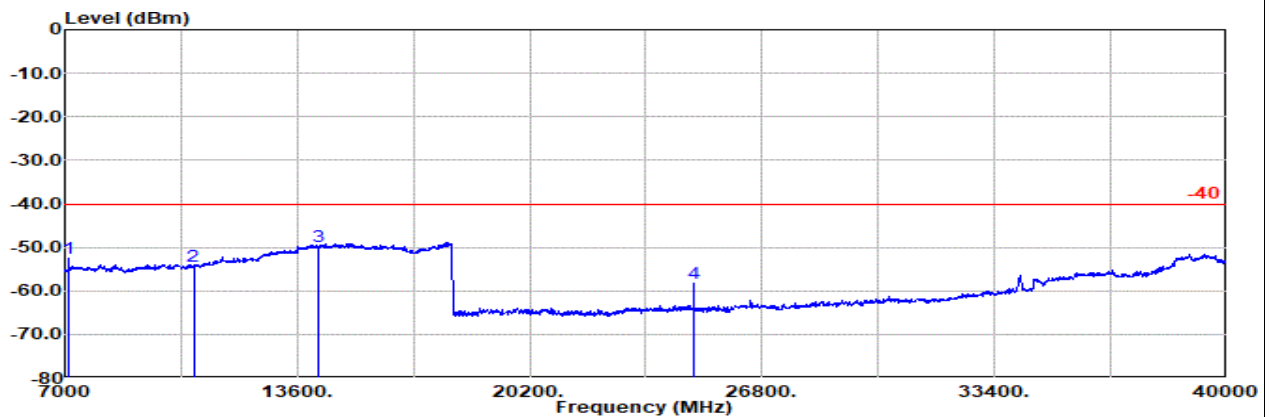


Site : 03CH21-HY

Condition: -40 1m BBHA9170_1230_241025 Horizontal

: LTE B48 20M Ch55340 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7102.00	-53.05	RMS	36.30	-20.88	1.00	-95.23	25.76	-40.00	-13.05	Horizontal
2	10653.00	-54.01	RMS	37.50	-21.43	0.89	-95.23	24.26	-40.00	-14.01	Horizontal
3	14204.00	-48.00	RMS	41.20	-21.96	0.65	-95.23	27.34	-40.00	-8.00	Horizontal
4	24858.00	-62.95	RMS	39.38	-31.09	-9.54	-95.23	33.53	-40.00	-22.95	Horizontal



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1230_241025 Vertical

: LTE B48 20M Ch55340 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7102.00	-52.62	RMS	36.30	-20.88	1.00	-95.23	26.19	-40.00	-12.62	Vertical
2	10653.00	-54.28	RMS	37.50	-21.43	0.89	-95.23	23.99	-40.00	-14.28	Vertical
3	14204.00	-49.76	RMS	41.20	-21.96	0.65	-95.23	25.58	-40.00	-9.76	Vertical
4	24858.00	-58.34	RMS	39.38	-31.09	-9.54	-95.23	38.14	-40.00	-18.34	Vertical

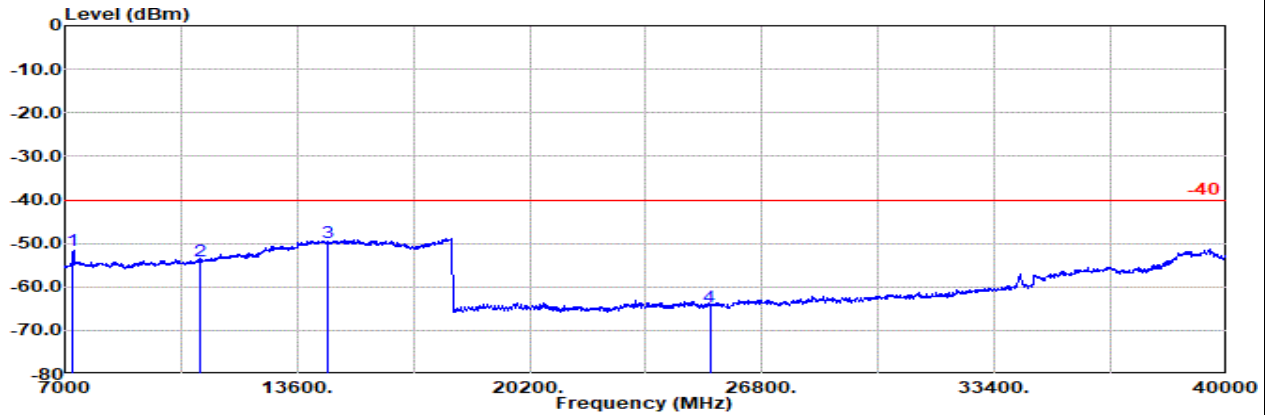


Ant1

Part 96 Mode 1

LTE B48 20M Ch55990 1RB0 QPSK

M

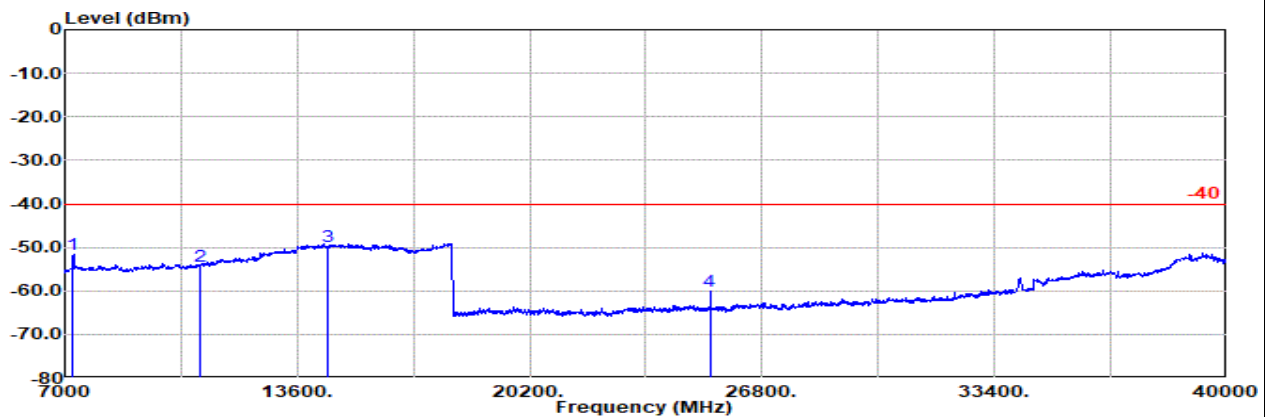


Site : 03CH21-HY

Condition: -40 1m BBHA9170_1230_241025 Horizontal

: LTE B48 20M Ch55990 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7232.00	-51.71	RMS	36.56	-20.81	1.00	-95.23	26.77	-40.00	-11.71	Horizontal
2	10848.00	-53.96	RMS	37.50	-21.41	0.90	-95.23	24.28	-40.00	-13.96	Horizontal
3	14464.00	-49.86	RMS	41.23	-22.55	0.70	-95.23	25.99	-40.00	-9.86	Horizontal
4	25313.00	-64.57	RMS	39.17	-30.99	-9.54	-95.23	32.02	-40.00	-24.57	Horizontal



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1230_241025 Vertical

: LTE B48 20M Ch55990 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7232.00	-51.68	RMS	36.56	-20.81	1.00	-95.23	26.80	-40.00	-11.68	Vertical
2	10848.00	-54.22	RMS	37.50	-21.41	0.90	-95.23	24.02	-40.00	-14.22	Vertical
3	14464.00	-49.94	RMS	41.23	-22.55	0.70	-95.23	25.91	-40.00	-9.94	Vertical
4	25313.00	-59.95	RMS	39.17	-30.99	-9.54	-95.23	36.64	-40.00	-19.95	Vertical

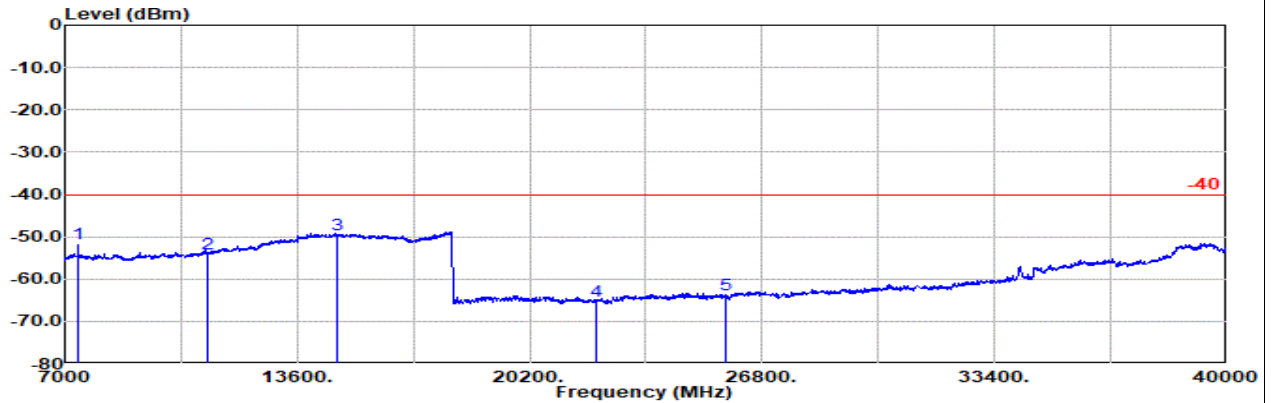


Ant1

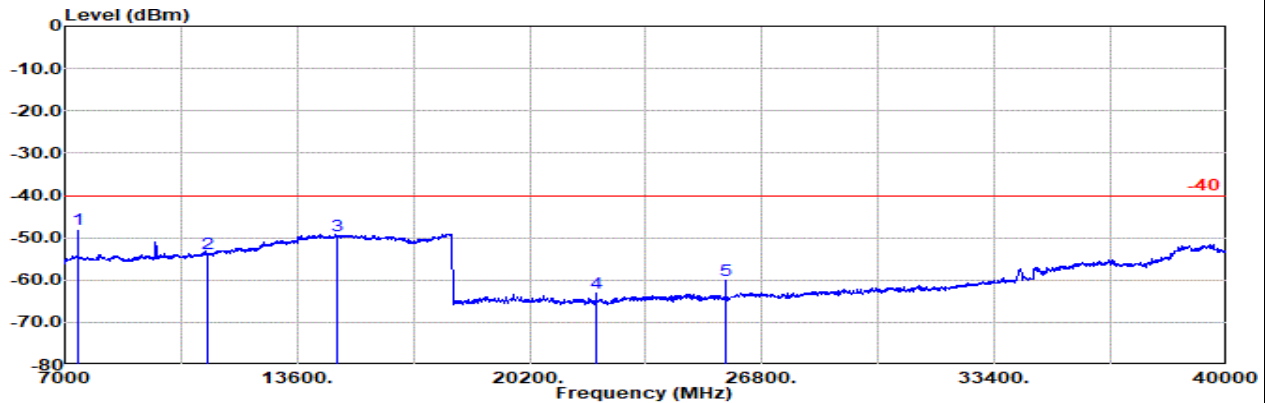
Part 96 Mode 1

LTE B48 20M Ch56640 1RB0 QPSK

H



	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7362.00	-51.52	RMS	36.80	-20.74	1.06	-95.23	26.59	-40.00	-11.52	Horizontal
2	11043.00	-53.95	RMS	37.79	-21.41	0.91	-95.23	23.99	-40.00	-13.95	Horizontal
3	14724.00	-49.46	RMS	41.35	-22.54	0.74	-95.23	26.22	-40.00	-9.46	Horizontal
4	22087.00	-65.34	RMS	38.10	-33.24	-9.54	-95.23	34.57	-40.00	-25.34	Horizontal
5	25768.00	-63.55	RMS	38.90	-30.78	-9.54	-95.23	33.10	-40.00	-23.55	Horizontal



	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7362.00	-47.86	RMS	36.80	-20.74	1.06	-95.23	30.25	-40.00	-7.86	Vertical
2	11043.00	-53.72	RMS	37.79	-21.41	0.91	-95.23	24.22	-40.00	-13.72	Vertical
3	14724.00	-49.59	RMS	41.35	-22.54	0.74	-95.23	26.09	-40.00	-9.59	Vertical
4	22087.00	-62.99	RMS	38.10	-33.24	-9.54	-95.23	36.92	-40.00	-22.99	Vertical
5	25768.00	-59.97	RMS	38.90	-30.78	-9.54	-95.23	36.68	-40.00	-19.97	Vertical

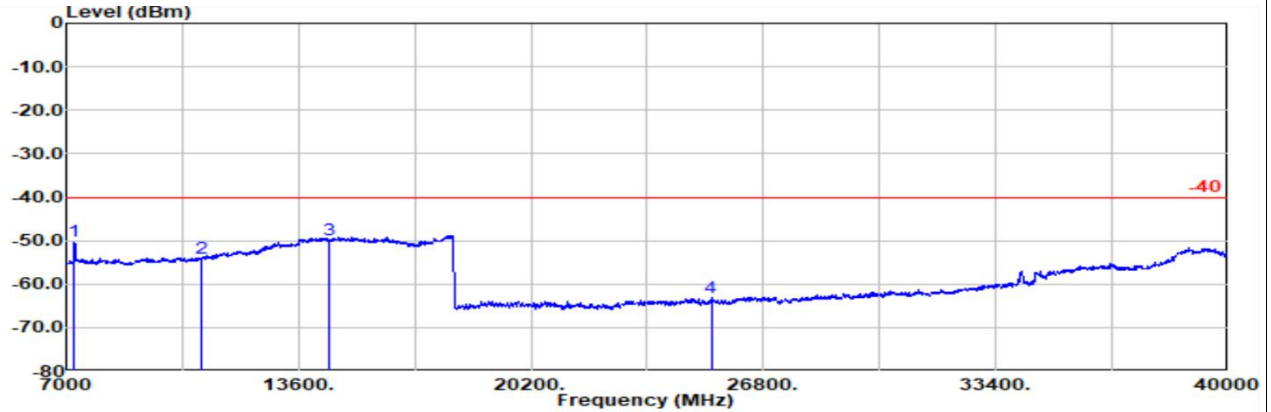


Ant4

Part 96 Mode 2

LTE B48 20M Ch55990 1RB0 QPSK

M

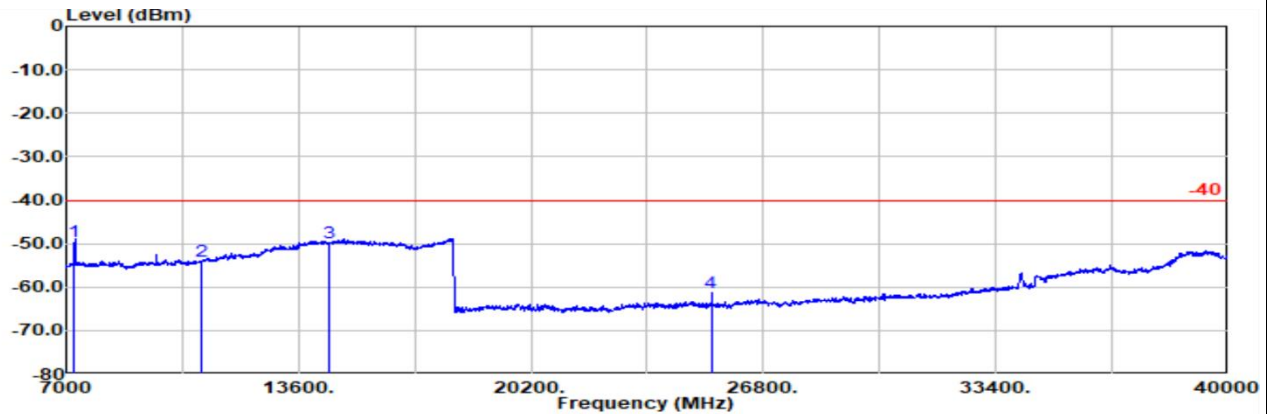


Site : 03CH21-HY

Condition: -40 1m BBHA9170_1230_241025 Horizontal

: LTE B48 20M Ch55990 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7232.00	-50.16	RMS	36.56	-20.81	1.00	-95.23	28.32	-40.00	-10.16	Horizontal
2	10848.00	-54.05	RMS	37.50	-21.41	0.90	-95.23	24.19	-40.00	-14.05	Horizontal
3	14464.00	-49.95	RMS	41.23	-22.55	0.70	-95.23	25.90	-40.00	-9.95	Horizontal
4	25313.00	-62.97	RMS	39.17	-30.99	-9.54	-95.23	33.62	-40.00	-22.97	Horizontal



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1230_241025 Vertical

: LTE B48 20M Ch55990 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7232.00	-49.55	RMS	36.56	-20.81	1.00	-95.23	28.93	-40.00	-9.55	Vertical
2	10848.00	-54.04	RMS	37.50	-21.41	0.90	-95.23	24.20	-40.00	-14.04	Vertical
3	14464.00	-49.89	RMS	41.23	-22.55	0.70	-95.23	25.96	-40.00	-9.89	Vertical
4	25313.00	-61.21	RMS	39.17	-30.99	-9.54	-95.23	35.38	-40.00	-21.21	Vertical

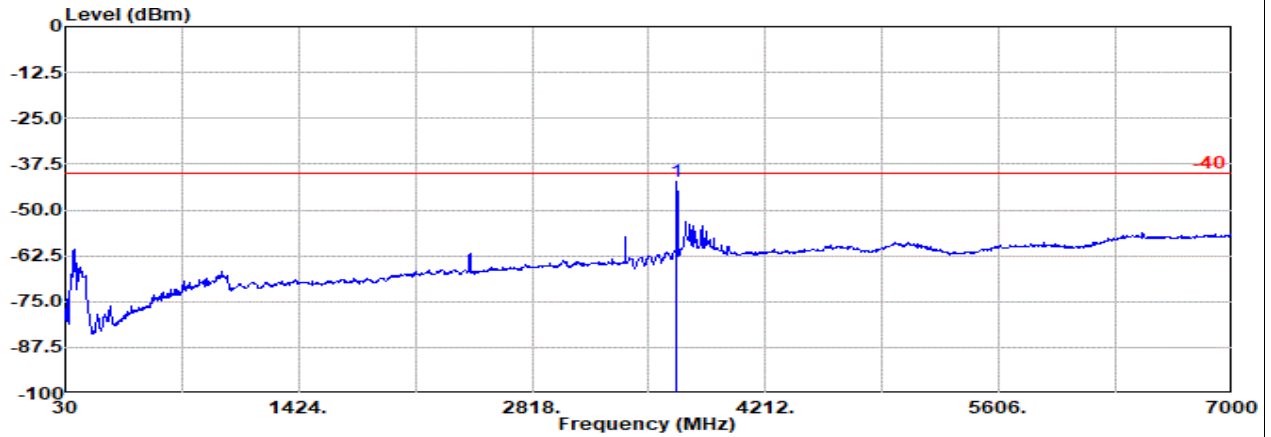


Ant1

Part 96 Mode 1

LTE B48 20M Ch56640 1RB0 QPSK

H



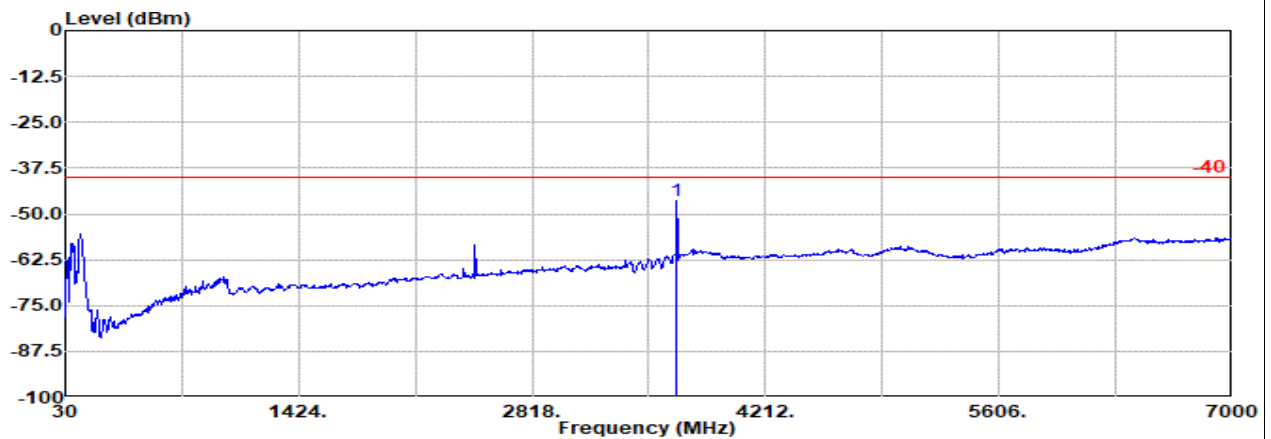
Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_240711 Horizontal

: LTE B48 20M Ch56640 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

	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	3682.00	-42.29	RMS	29.53	-22.27	0.56	-95.23	45.12	-40.00	-2.29	Horizontal



Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_240711 Vertical

: LTE B48 20M Ch56640 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

	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	3682.00	-46.43	RMS	29.53	-22.27	0.56	-95.23	40.98	-40.00	-6.43	Vertical

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