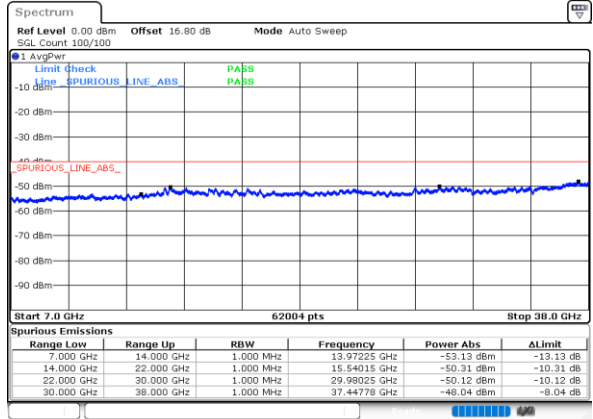
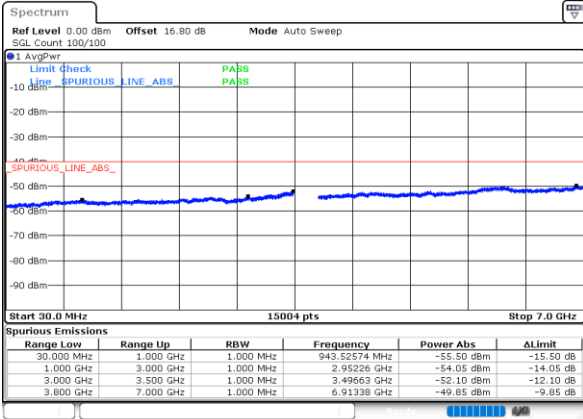


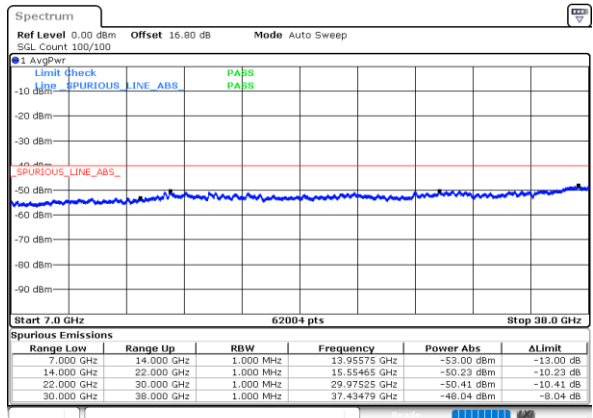
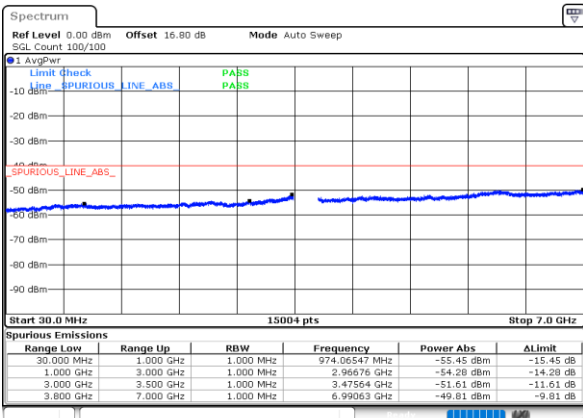


LTE Band 48 / 10MHz

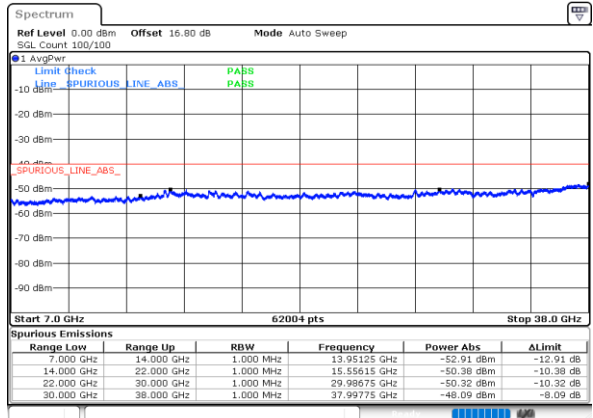
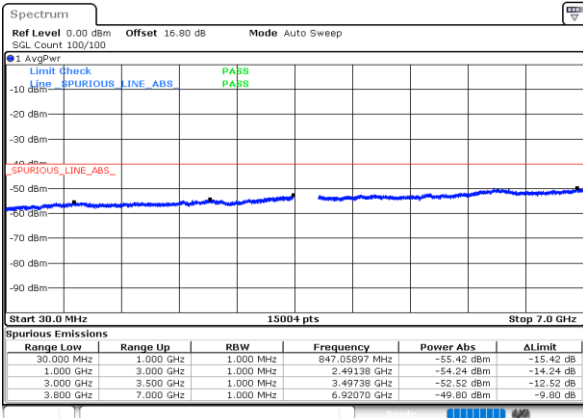
Lowest Channel / QPSK



Middle Channel / QPSK



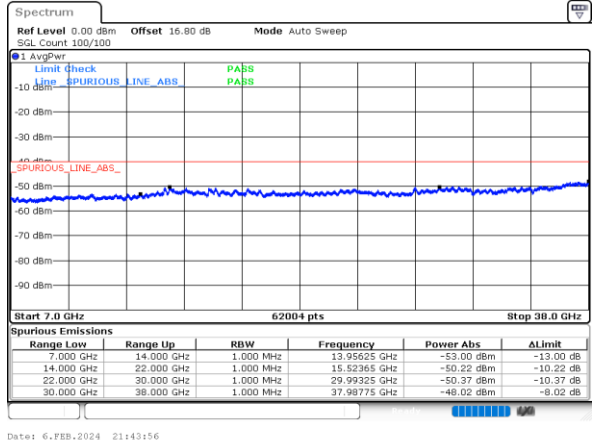
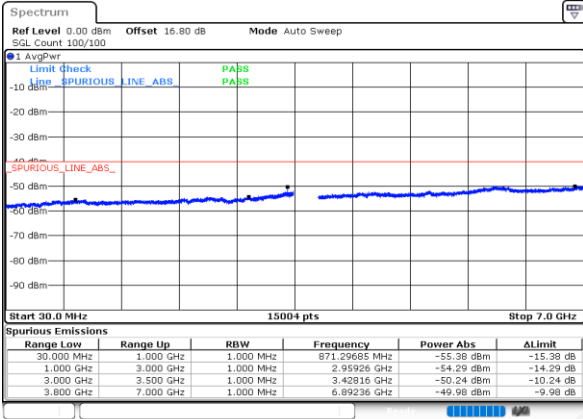
Highest Channel / QPSK



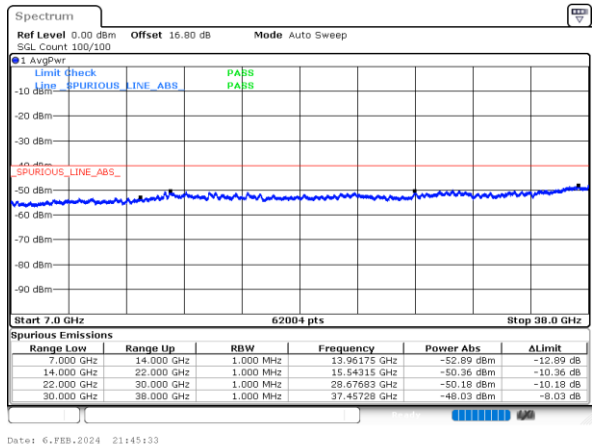
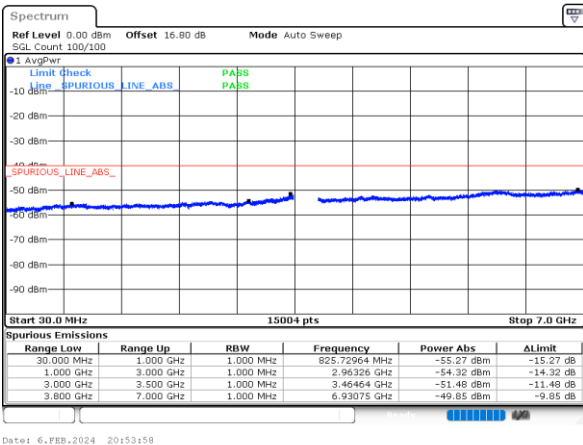


LTE Band 48 / 15MHz

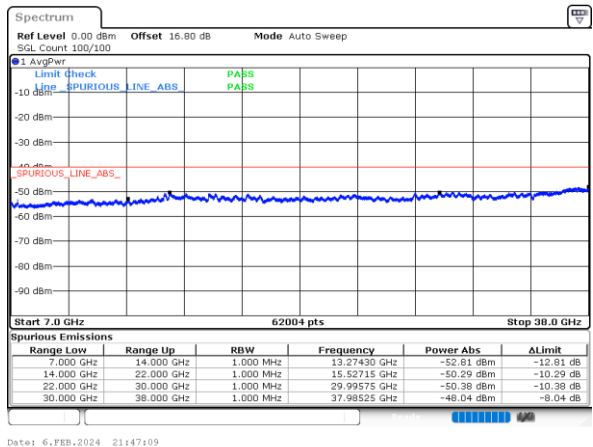
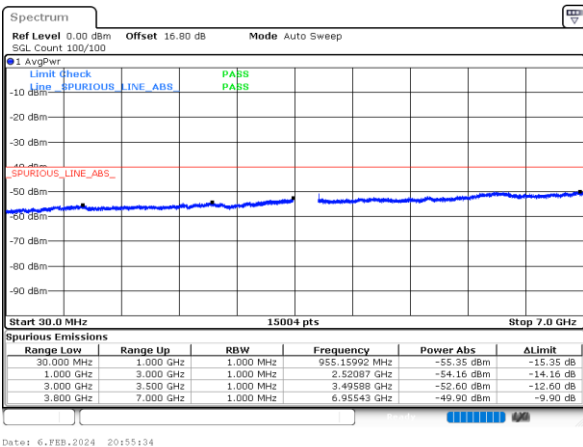
Lowest Channel / QPSK



Middle Channel / QPSK



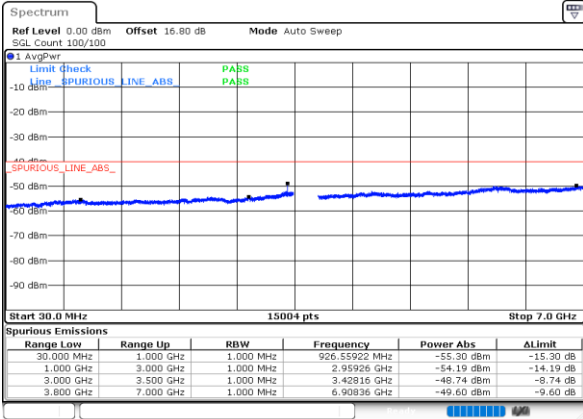
Highest Channel / QPSK



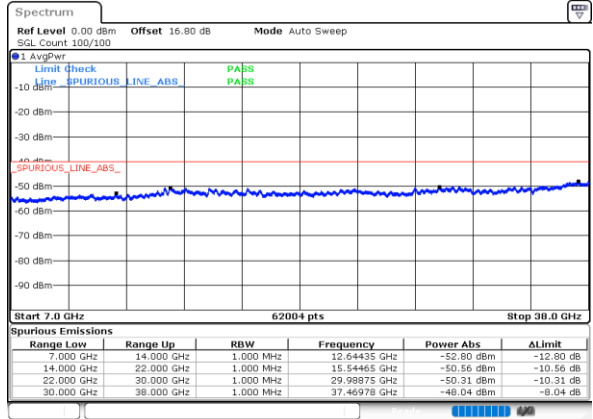


LTE Band 48 / 20MHz

Lowest Channel / QPSK

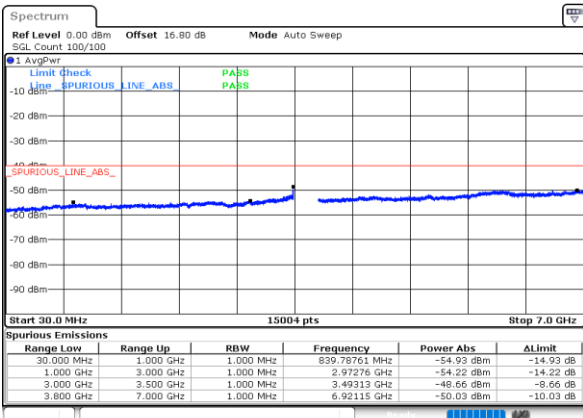


Date: 6.FEB.2024 20:57:15

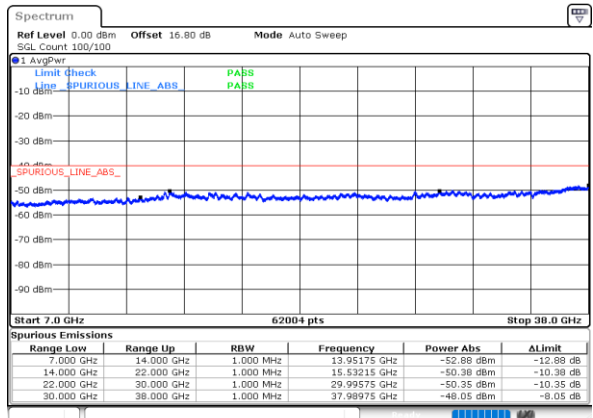


Date: 6.FEB.2024 21:48:51

Middle Channel / QPSK

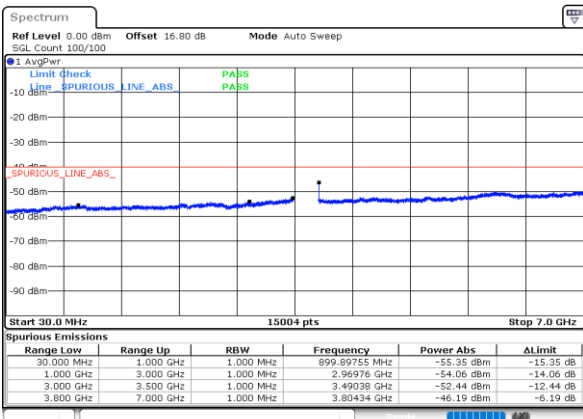


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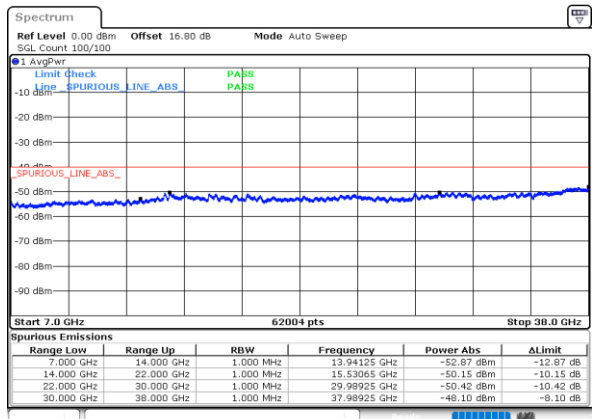


Date: 6.FEB.2024 21:50:27

Highest Channel / QPSK



Date: 6.FEB.2024 21:00:27



Date: 6.FEB.2024 21:52:03



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	0.0016	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage = 3.89 V. ; Battery End Point (ACLRP) = 3.6 V. ; Maximum Voltage = 4.4 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)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 96	LTE B48	M	10850	-45.11	RMS	37.80	-41.10	0.34	-95.23	53.08	-40.00	-5.11	V	ANT6
2	Part 96	LTE B48	L	14205	-47.57	RMS	39.08	-38.85	1.09	-95.23	46.34	-40.00	-7.57	V	ANT7

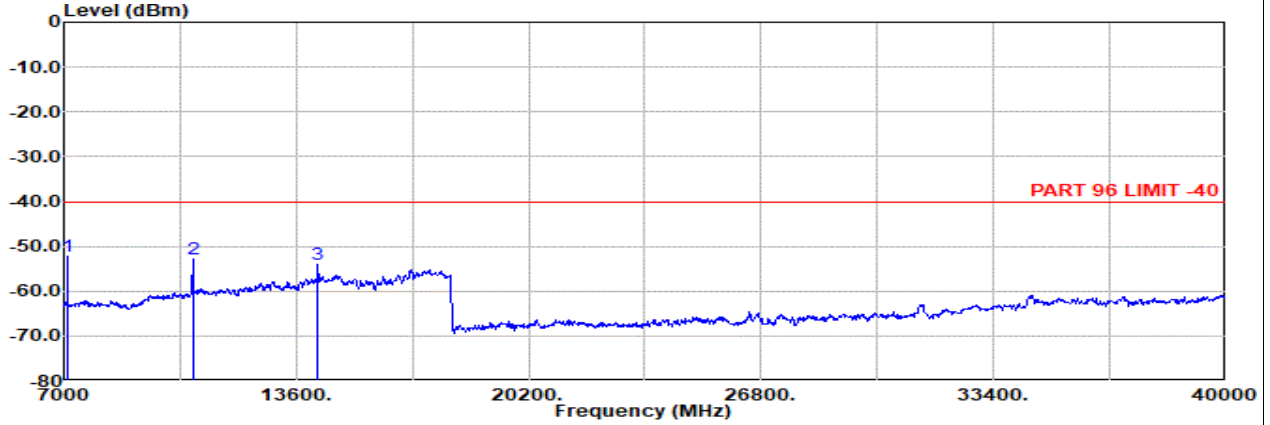


ANT6

Part 96 Mode 1

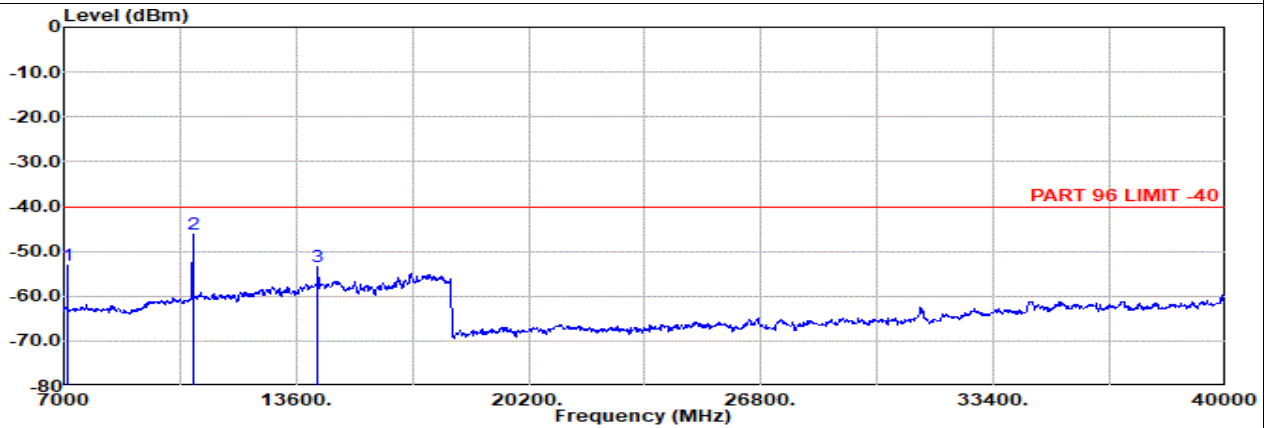
LTE B48 20M Ch55340 1RB0 QPSK

L



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 1m SHF-EHF_9170251 Horizontal
 Mode : LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Reading	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7110.00	-52.22	RMS	35.60	-43.29	0.85	-95.23	0.00	-40.00	-12.22	Horizontal
2	10663.00	-52.87	RMS	37.57	-41.46	0.33	-95.23	45.92	-40.00	-12.87	Horizontal
3	14205.00	-54.17	RMS	39.08	-38.85	1.09	-95.23	39.74	-40.00	-14.17	Horizontal



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 1m SHF-EHF_9170251 Vertical
 Mode : LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Reading	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7110.00	-53.26	RMS	35.60	-43.29	0.85	-95.23	48.81	-40.00	-13.26	Vertical
2	10663.00	-46.05	RMS	37.57	-41.46	0.33	-95.23	52.74	-40.00	-6.05	Vertical
3	14205.00	-53.37	RMS	39.08	-38.85	1.09	-95.23	40.54	-40.00	-13.37	Vertical

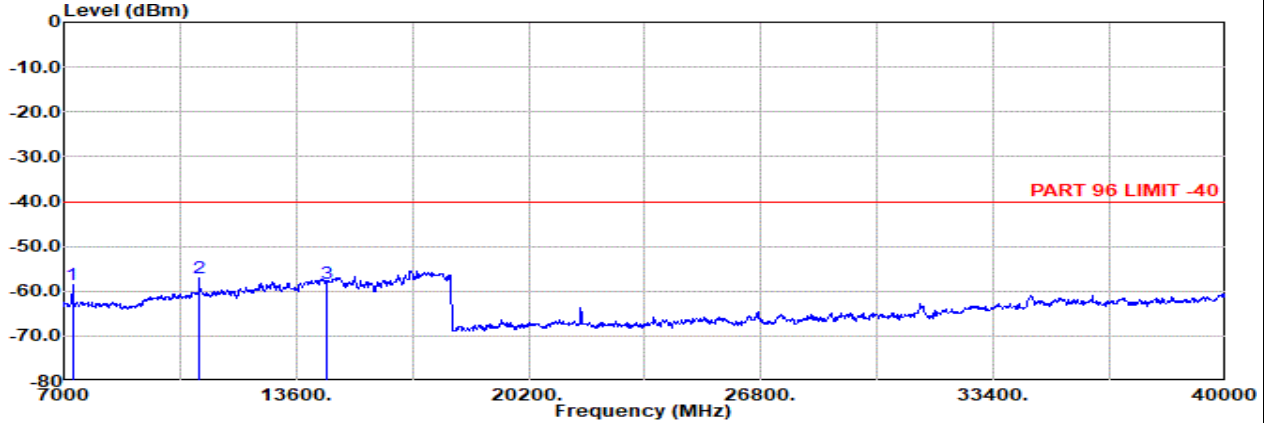


ANT6

Part 96 Mode 1

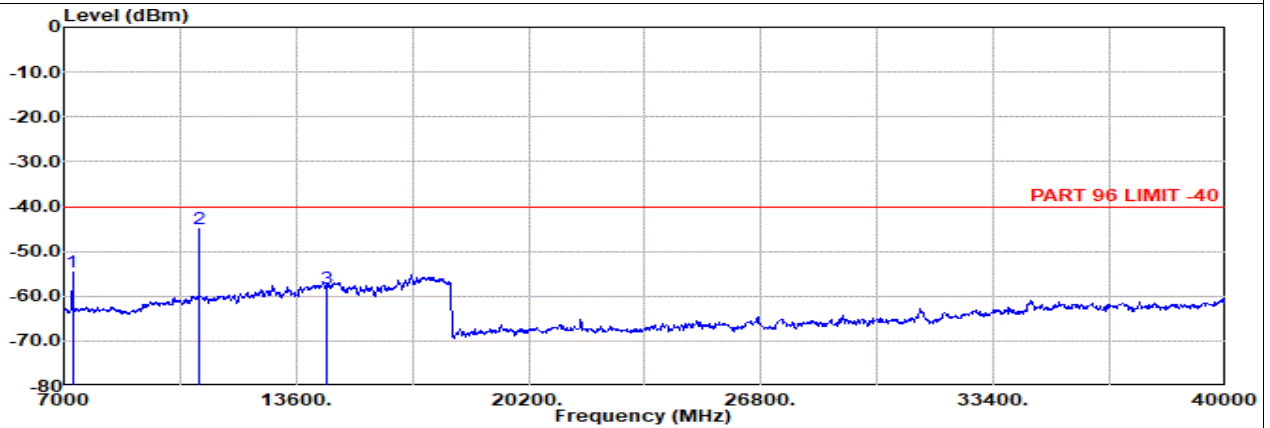
LTE B48 20M Ch55990 1RB0 QPSK

M



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 1m SHF-EHF_9170251 Horizontal
 Mode : LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb dB/m	Filter dB	EIRPCF dB	Readin dBuV	Limit dBm	Margin dB	Pol
1	7242.00	-58.54	RMS	--	0.00	0.00	-95.23	536.69	-40.00	-18.54	Horizontal
2	10850.00	-57.07	RMS	--	0.00	0.00	-95.23	538.16	-40.00	-17.07	Horizontal
3	14460.00	-58.29	RMS	--	0.00	0.00	-95.23	536.94	-40.00	-18.29	Horizontal



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 1m SHF-EHF_9170251 Vertical
 Mode : LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb dB/m	Filter dB	EIRPCF dB	Readin dBuV	Limit dBm	Margin dB	Pol
1	7242.00	-54.79	RMS	--	0.00	0.00	-95.23	540.44	-40.00	-14.79	Vertical
2	10850.00	-45.11	RMS	--	0.00	0.00	-95.23	550.12	-40.00	-5.11	Vertical
3	14460.00	-58.13	RMS	--	0.00	0.00	-95.23	537.10	-40.00	-18.13	Vertical

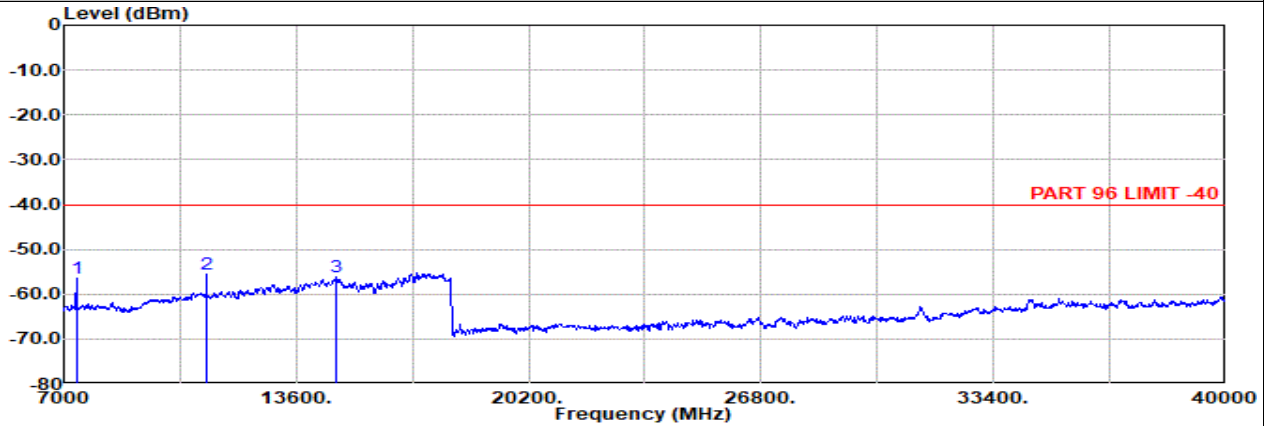


ANT6

Part 96 Mode 1

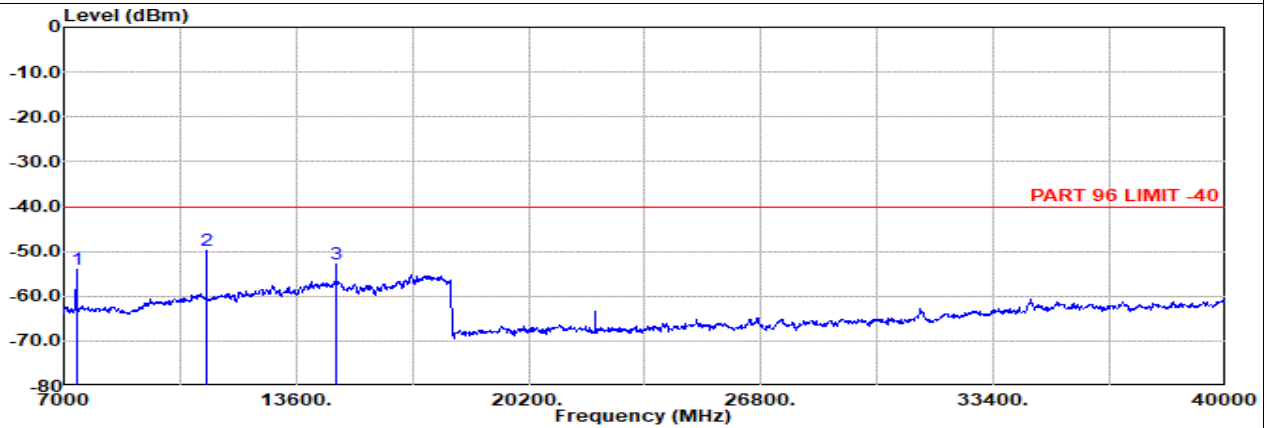
LTE B48 20M Ch56640 1RB0 QPSK

H



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 1m SHF-EHF_9170251 Horizontal
 Mode : LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB	
1	7363.00	-56.51	RMS	--	0.00	0.00	-95.23 538.72	-40.00	-16.51	Horizontal
2	11048.00	-55.43	RMS	--	0.00	0.00	-95.23 539.80	-40.00	-15.43	Horizontal
3	14733.00	-56.26	RMS	--	0.00	0.00	-95.23 538.97	-40.00	-16.26	Horizontal



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 1m SHF-EHF_9170251 Vertical
 Mode : LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Reading	Limit	Margin	Pol
				Factor	1					
	MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB	
1	7363.00	-54.09	RMS	--	0.00	0.00	-95.23 541.14	-40.00	-14.09	Vertical
2	11048.00	-49.92	RMS	--	0.00	0.00	-95.23 545.31	-40.00	-9.92	Vertical
3	14733.00	-52.75	RMS	--	0.00	0.00	-95.23 542.48	-40.00	-12.75	Vertical

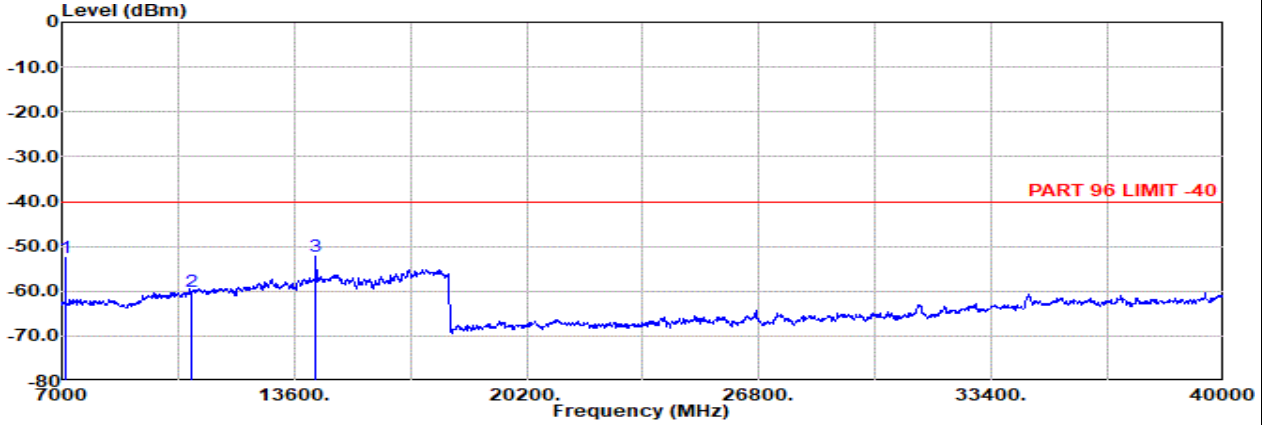


ANT7

Part 96 Mode 2

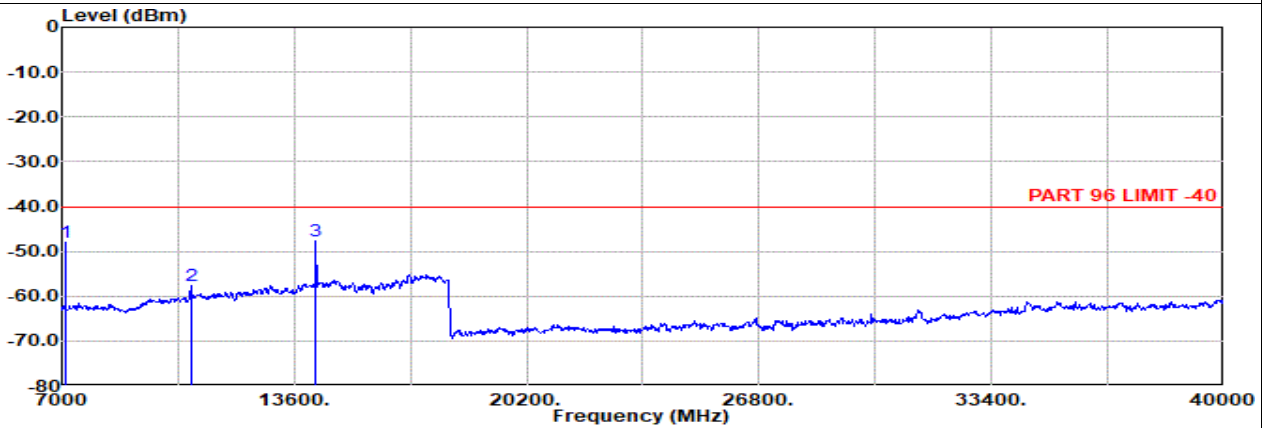
LTE B48 20M Ch55340 1RB0 QPSK

L



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 1m SHF-EHF_9170251 Horizontal
 Mode : LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb Filter		EIRPCF	Reading	Limit	Margin	Pol
					dB/m	dB					
1	7110.00	-52.64	RMS	--	0.00	0.00	-95.23	542.59	-40.00	-12.64	Horizontal
2	10663.00	-60.08	RMS	--	0.00	0.00	-95.23	535.15	-40.00	-20.08	Horizontal
3	14205.00	-52.18	RMS	--	0.00	0.00	-95.23	543.05	-40.00	-12.18	Horizontal



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 1m SHF-EHF_9170251 Vertical
 Mode : LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb Filter		EIRPCF	Reading	Limit	Margin	Pol
					dB/m	dB					
1	7110.00	-48.15	RMS	--	0.00	0.00	-95.23	547.08	-40.00	-8.15	Vertical
2	10663.00	-57.67	RMS	--	0.00	0.00	-95.23	537.56	-40.00	-17.67	Vertical
3	14205.00	-47.57	RMS	--	0.00	0.00	-95.23	547.66	-40.00	-7.57	Vertical

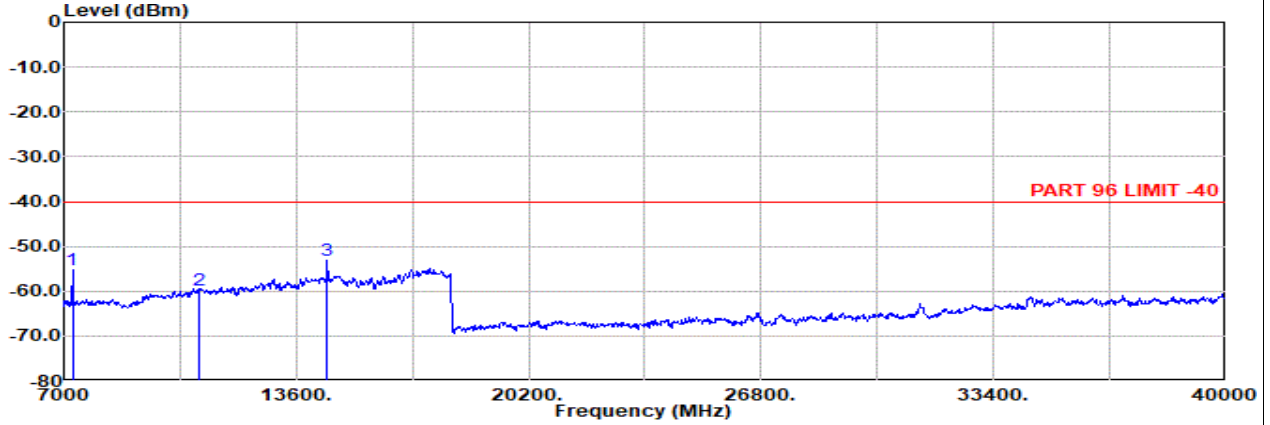


ANT7

Part 96 Mode 2

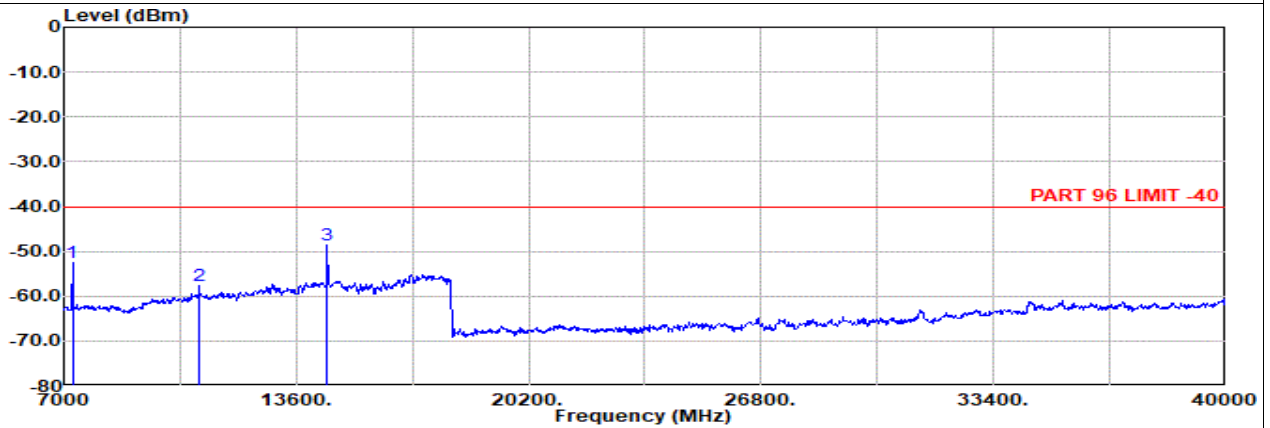
LTE B48 20M Ch55990 1RB0 QPSK

M



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 1m SHF-EHF_9170251 Horizontal
 Mode : LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	dB
1	7242.00	-55.24	RMS	--	0.00	0.00	-95.23	-95.23	539.99	-40.00	-15.24	Horizontal
2	10850.00	-59.65	RMS	--	0.00	0.00	-95.23	-95.23	535.58	-40.00	-19.65	Horizontal
3	14469.00	-53.08	RMS	--	0.00	0.00	-95.23	-95.23	542.15	-40.00	-13.08	Horizontal



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 1m SHF-EHF_9170251 Vertical
 Mode : LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dB	dBuV	dBm	dB	dB
1	7242.00	-52.51	RMS	--	0.00	0.00	-95.23	-95.23	542.72	-40.00	-12.51	Vertical
2	10850.00	-57.55	RMS	--	0.00	0.00	-95.23	-95.23	537.68	-40.00	-17.55	Vertical
3	14469.00	-48.74	RMS	--	0.00	0.00	-95.23	-95.23	546.49	-40.00	-8.74	Vertical

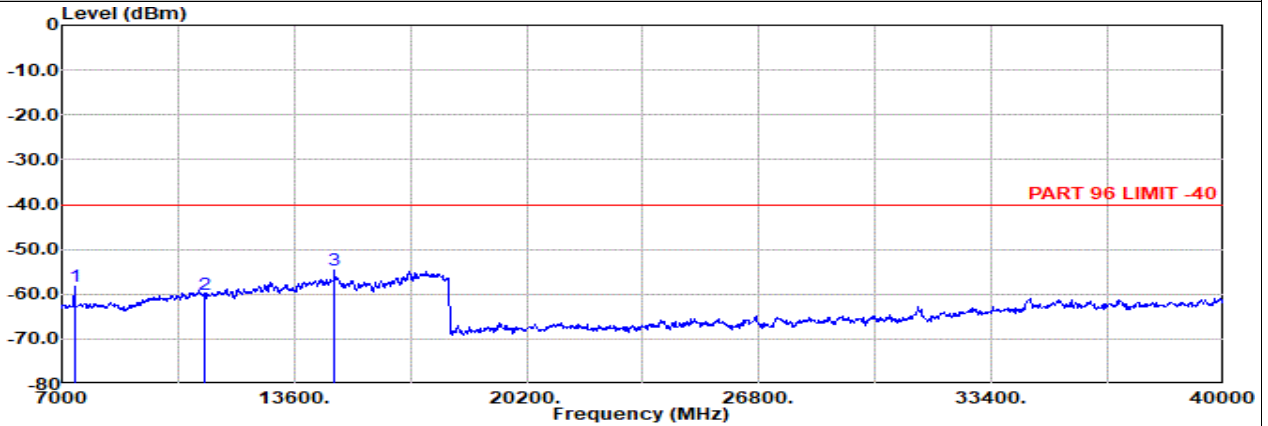


ANT7

Part 96 Mode 2

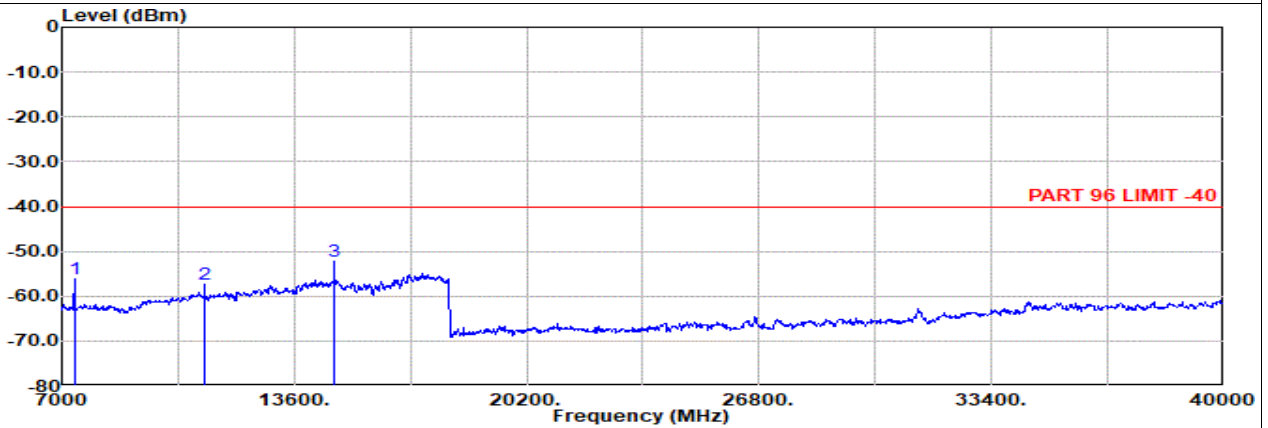
LTE B48 20M Ch56640 1RB0 QPSK

H



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 1m SHF-EHF_9170251 Horizontal
 Mode : LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb dB	Filter dB	EIRPCF dB	Readin dBuV	Limit dBm	Margin dB	Pol
1	7363.00	-58.16	RMS	--	0.00	0.00	-95.23	537.07	-40.00	-18.16	Horizontal
2	11048.00	-59.95	RMS	--	0.00	0.00	-95.23	535.28	-40.00	-19.95	Horizontal
3	14733.00	-54.77	RMS	--	0.00	0.00	-95.23	540.46	-40.00	-14.77	Horizontal



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 1m SHF-EHF_9170251 Vertical
 Mode : LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb dB	Filter dB	EIRPCF dB	Readin dBuV	Limit dBm	Margin dB	Pol
1	7363.00	-56.10	RMS	--	0.00	0.00	-95.23	539.13	-40.00	-16.10	Vertical
2	11048.00	-57.51	RMS	--	0.00	0.00	-95.23	537.72	-40.00	-17.51	Vertical
3	14733.00	-52.23	RMS	--	0.00	0.00	-95.23	543.00	-40.00	-12.23	Vertical

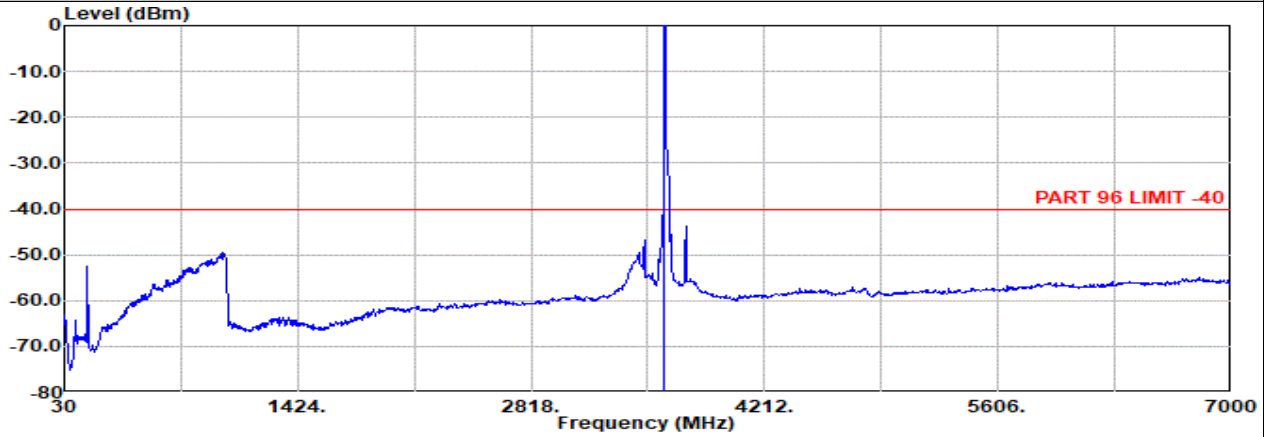


ANT6

Part 96 Mode 1

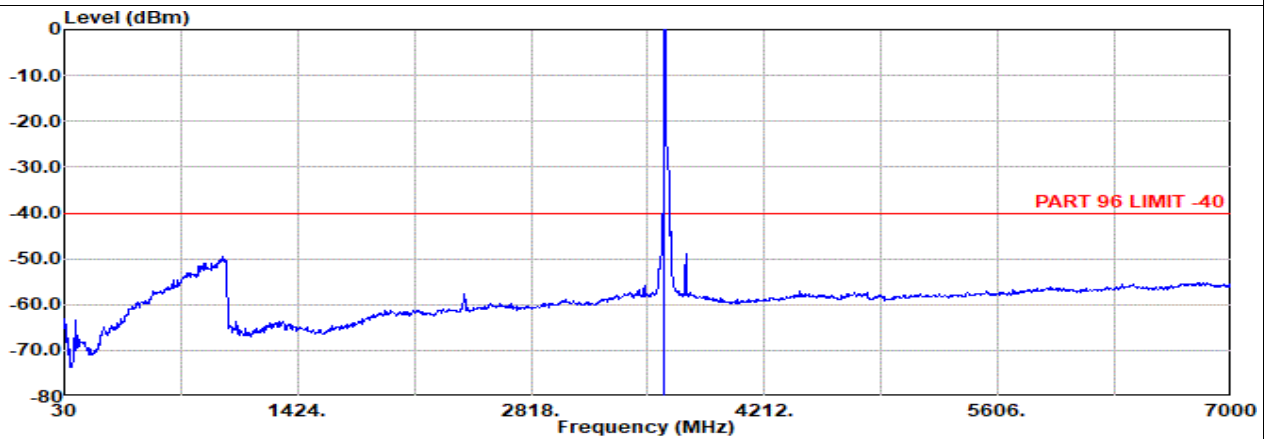
LTE B48 20M Ch55990 1RB0 QPSK

M



Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 3m Bilog_35419 Horizontal
 Mode : LTE Band 48 20M Ch55990 1RB0 QPSK
 : #1 is fundamental signal which can be ignored.

1	3616.00	6.89	RMS	32.80	-22.29	0.00	-95.23	91.61	-40.00	46.89	Horizontal
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Site : 03CH07-HY
 Condition: PART 96 LIMIT -40 3m Bilog_35419 Vertical
 Mode : LTE Band 48 20M Ch55990 1RB0 QPSK
 : #1 is fundamental signal which can be ignored.

1	3616.00	6.62	RMS	32.80	-22.29	0.00	-95.23	91.34	-40.00	46.62	Vertical
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Remark: #1 is fundamental signal which can be ignored.

—THE END—