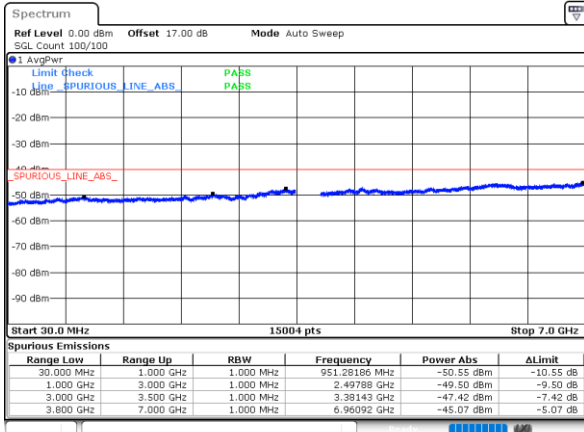


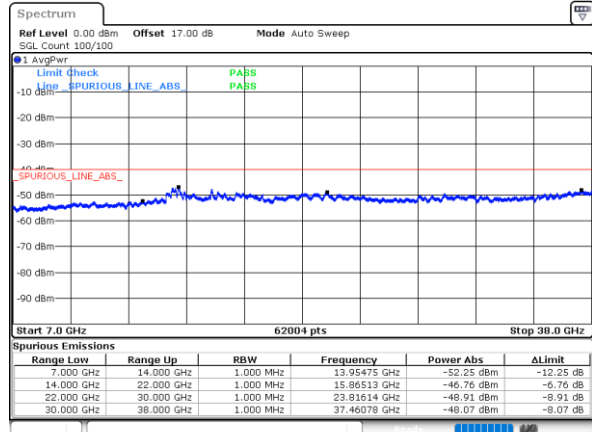


LTE Band 48 / 10MHz

Lowest Channel / QPSK

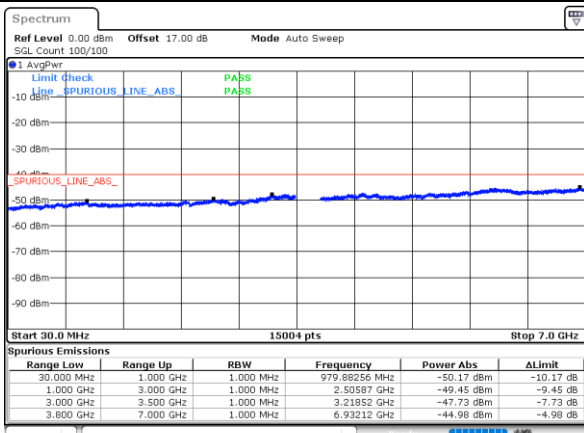


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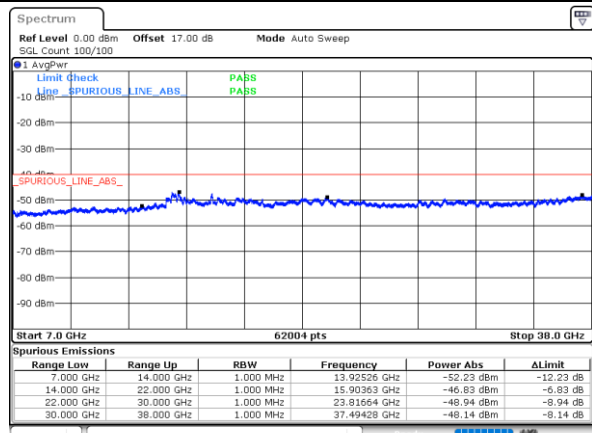


Date: 28.MAY.2025 18:50:55

Middle Channel / QPSK

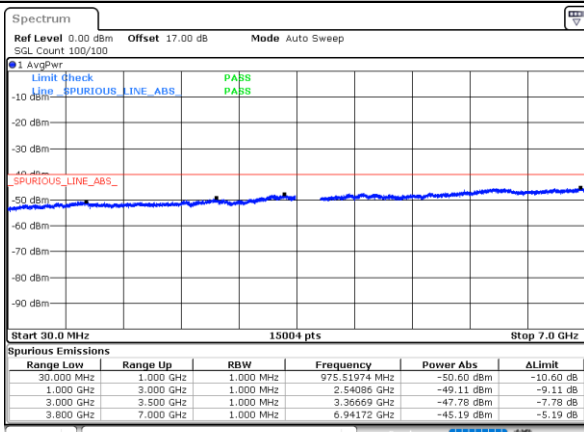


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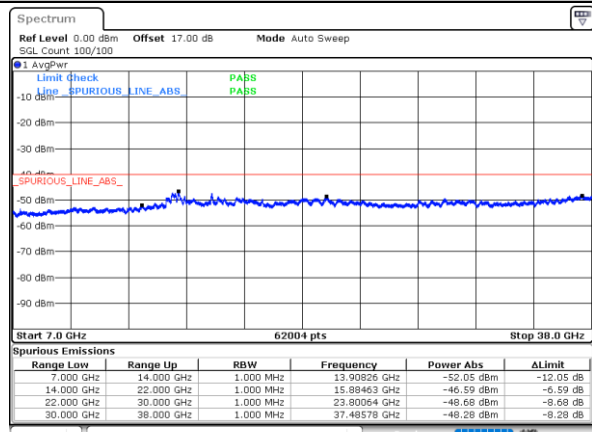


Date: 28.MAY.2025 18:52:43

Highest Channel / QPSK



Date: 28.MAY.2025 18:22:51

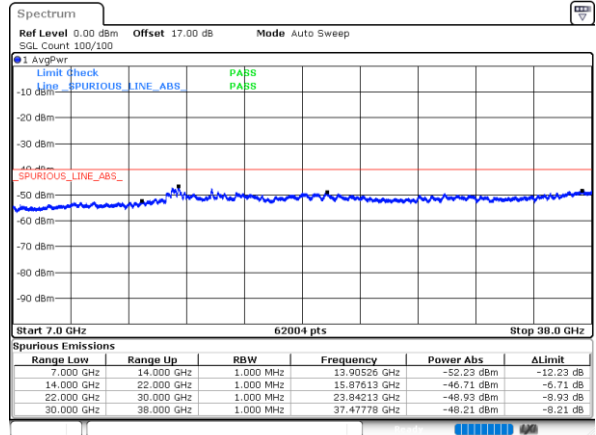
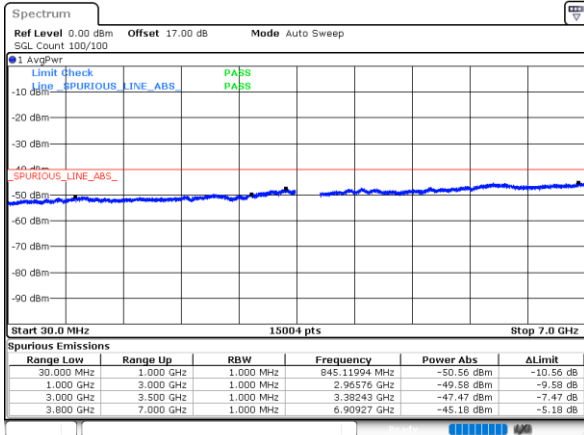


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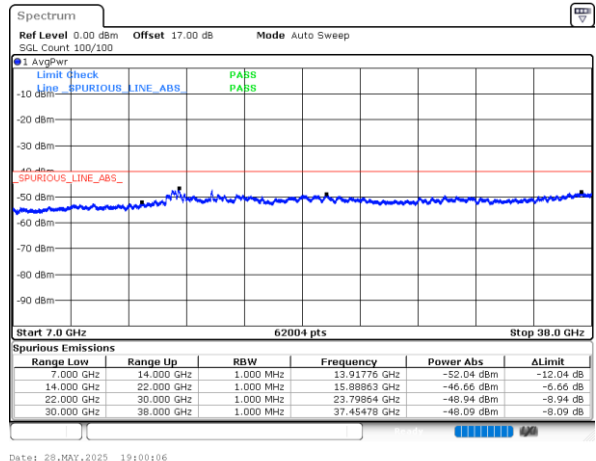
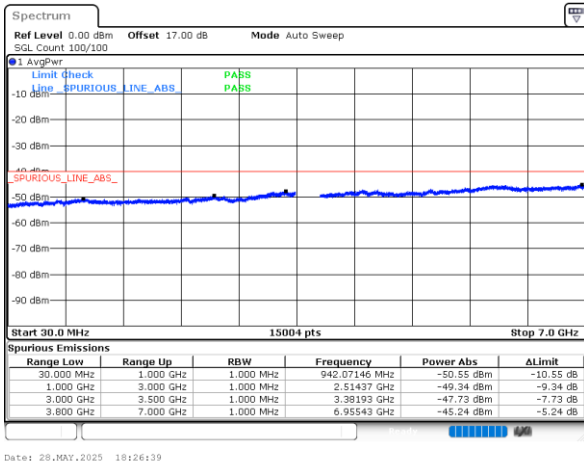


LTE Band 48 / 15MHz

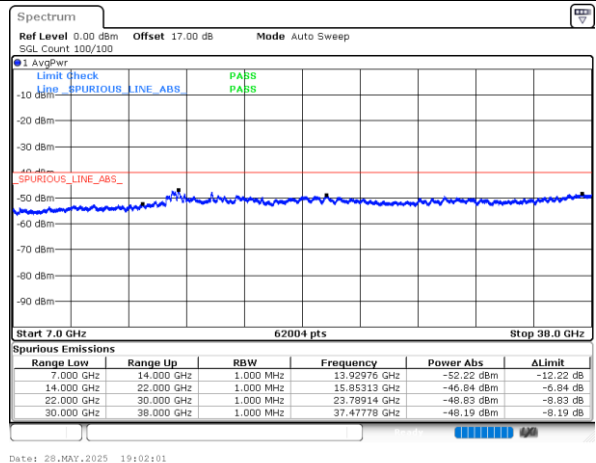
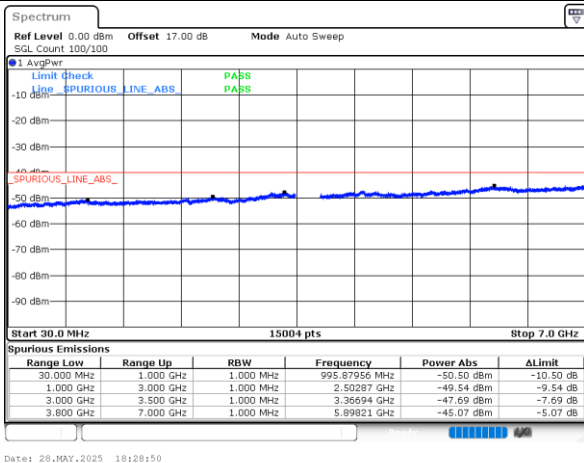
Lowest Channel / QPSK



Middle Channel / QPSK



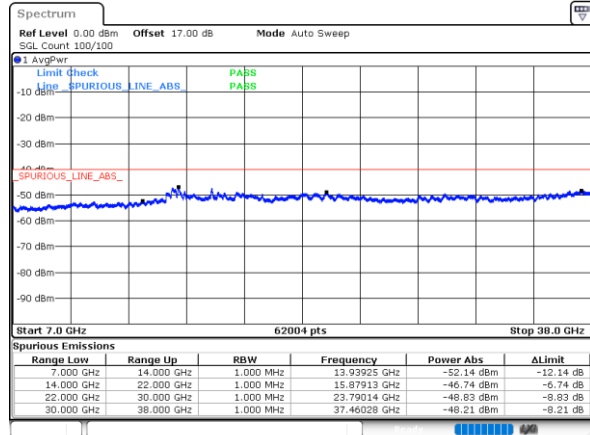
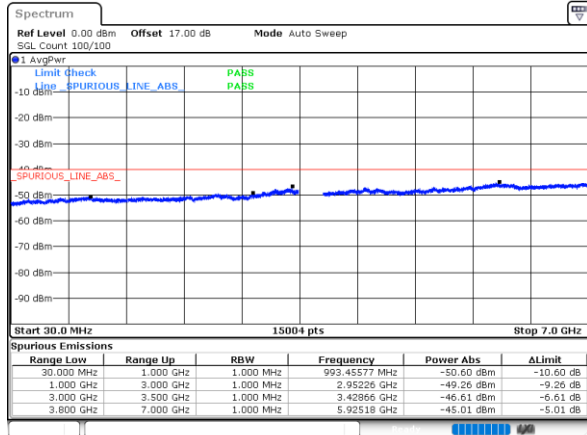
Highest Channel / QPSK



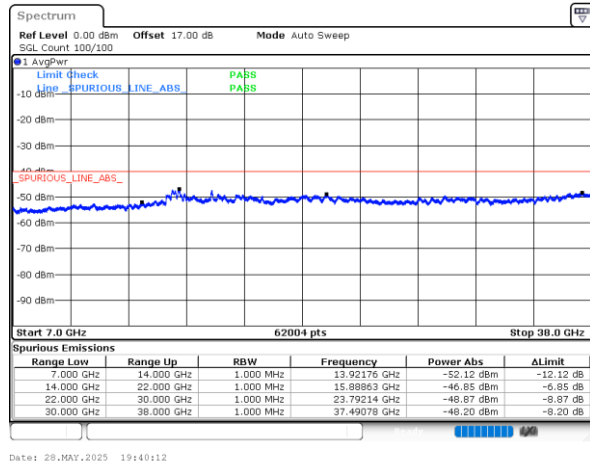
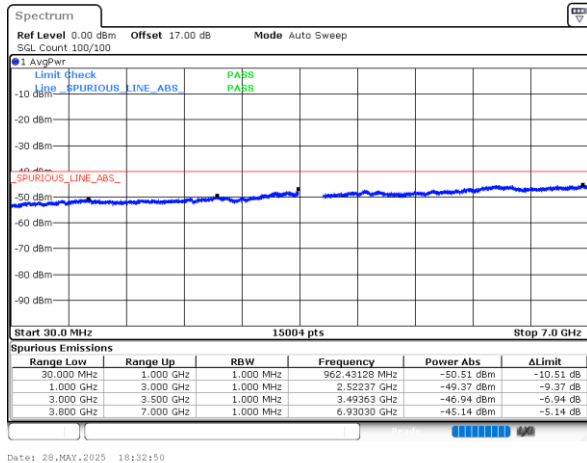


LTE Band 48 / 20MHz

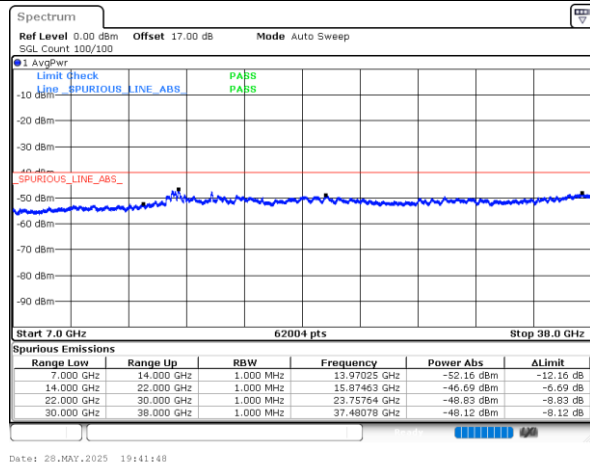
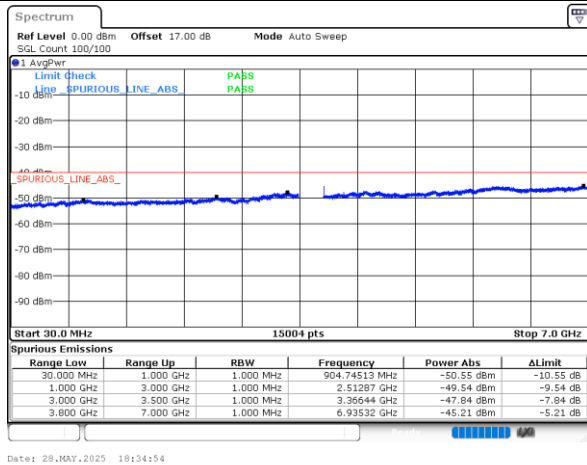
Lowest Channel / QPSK



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	0.0009	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0046	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0045	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0052	

Note:

1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Radiated Spurious Emission Test Data

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	M	10848	-52.04	RMS	39.20	-51.78	0.20	-95.23	55.57	-40.00	-12.04	V	6
2	Part 96	LTE B48	H	11043	-52.81	RMS	38.90	-51.54	0.22	-95.23	54.84	-40.00	-12.81	H	2

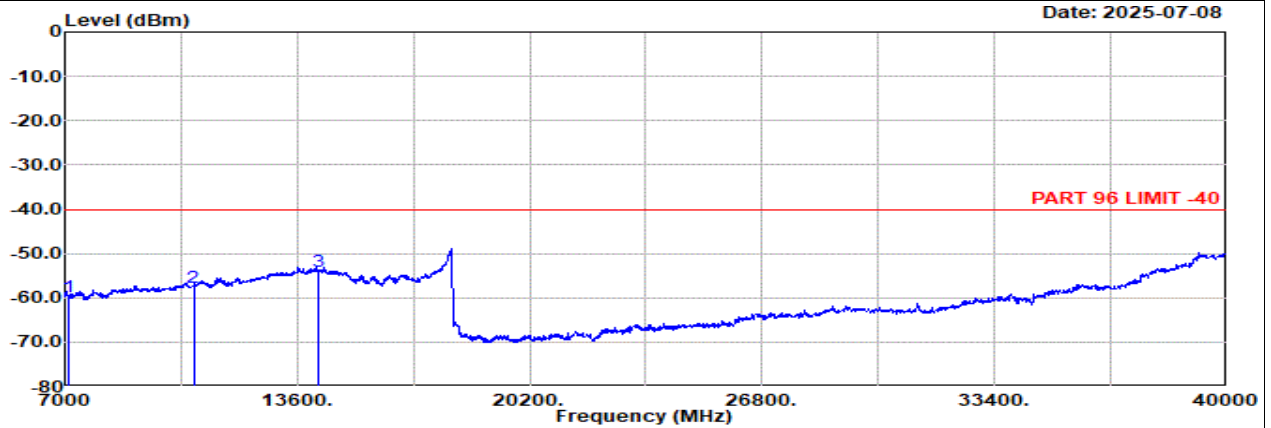


Ant 6

Part 96 Mode 1

LTE B48 20M Ch55340 1RB0 QPSK

L

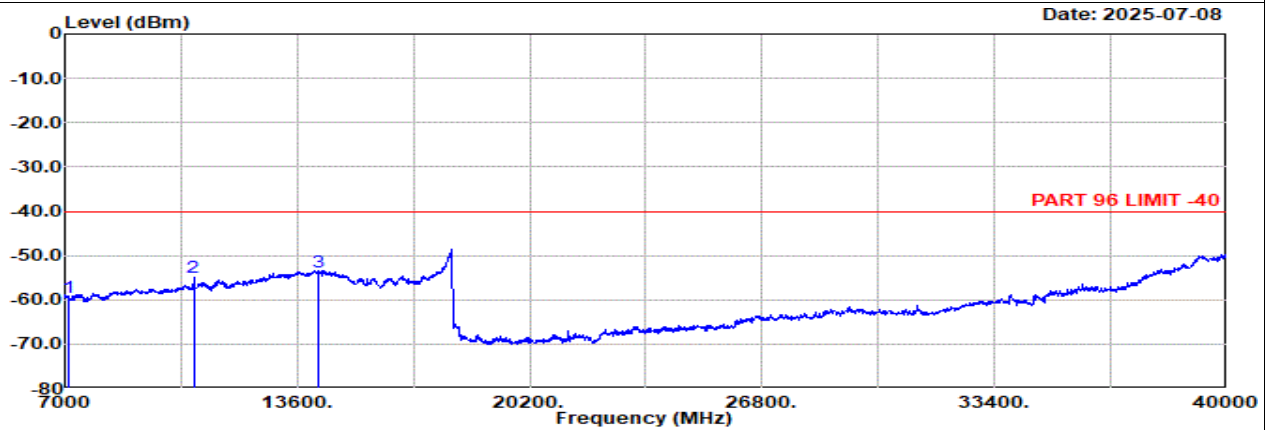


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_241118 Horizontal

: LTE Band 48 20M Ch55340 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	7102.00	-59.67	RMS	36.61	-53.58	0.82	-95.23	51.71	-40.00	-19.67
2	10653.00	-57.52	RMS	39.20	-51.99	0.19	-95.23	50.31	-40.00	-17.52
3	14204.00	-53.96	RMS	40.99	-48.02	0.05	-95.23	48.25	-40.00	-13.96



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_241118 Vertical

: LTE Band 48 20M Ch55340 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	7102.00	-59.59	RMS	36.61	-53.58	0.82	-95.23	51.79	-40.00	-19.59
2	10653.00	-54.88	RMS	39.20	-51.99	0.19	-95.23	52.95	-40.00	-14.88
3	14204.00	-53.79	RMS	40.99	-48.02	0.05	-95.23	48.42	-40.00	-13.79

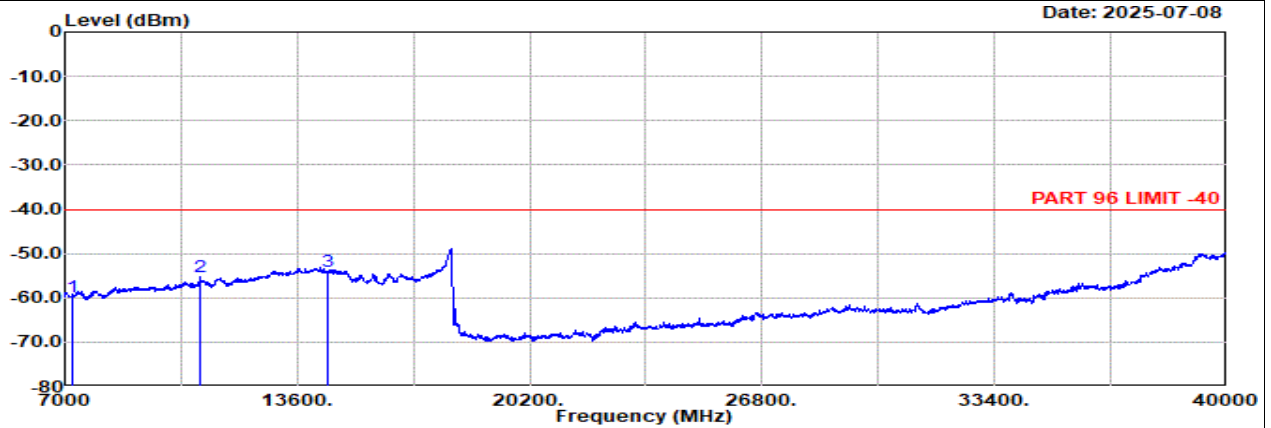


Ant 6

Part 96 Mode 1

LTE B48 20M Ch55990 1RB0 QPSK

M

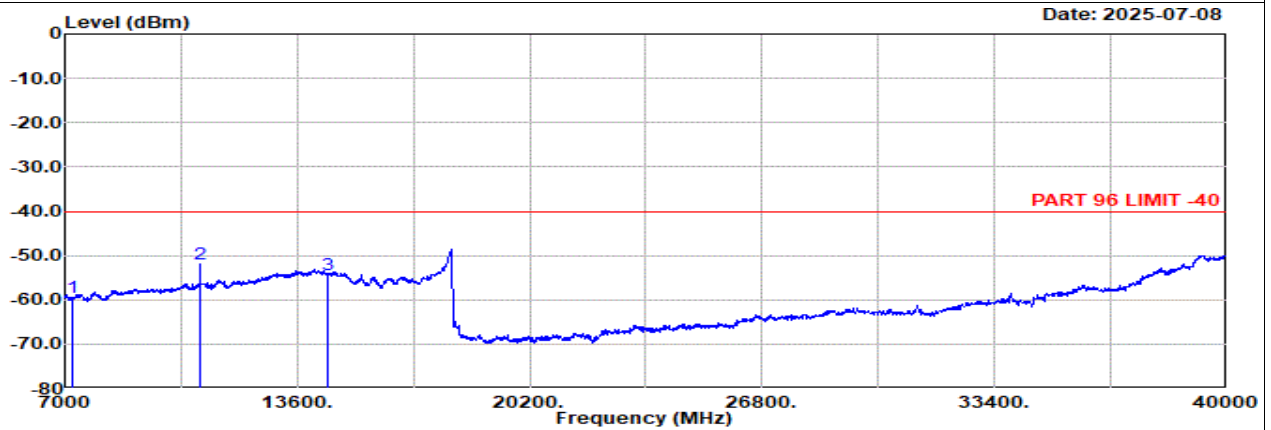


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_241118 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	-59.72	RMS	37.13	-53.49	0.65	-95.23	51.22	-40.00	-19.72 Horizontal
2	10848.00	-55.25	RMS	39.20	-51.78	0.20	-95.23	52.36	-40.00	-15.25 Horizontal
3	14464.00	-54.14	RMS	40.63	-47.57	0.05	-95.23	47.98	-40.00	-14.14 Horizontal



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_241118 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	-59.43	RMS	37.13	-53.49	0.65	-95.23	51.51	-40.00	-19.43 Vertical
2	10848.00	-52.04	RMS	39.20	-51.78	0.20	-95.23	55.57	-40.00	-12.04 Vertical
3	14464.00	-54.32	RMS	40.63	-47.57	0.05	-95.23	47.80	-40.00	-14.32 Vertical

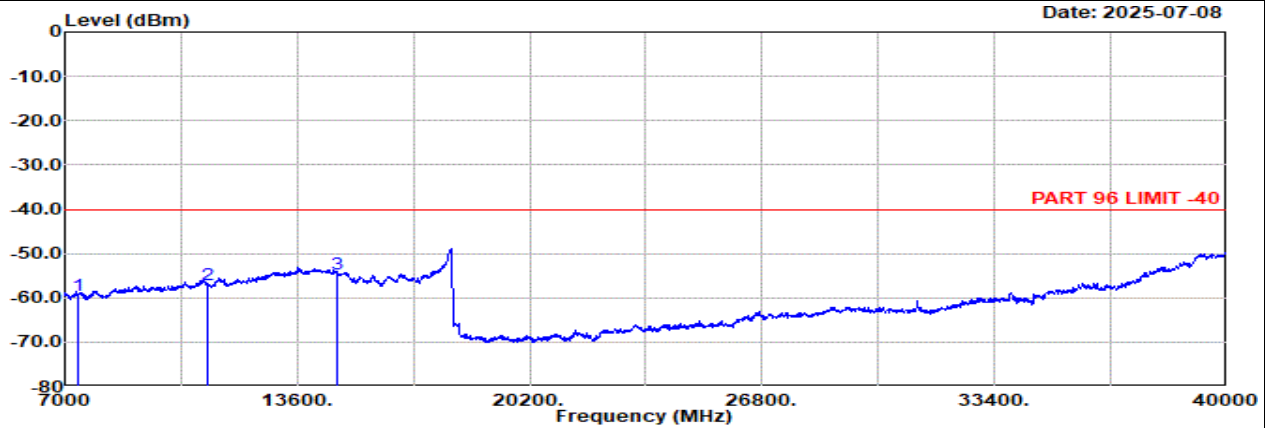


Ant 6

Part 96 Mode 1

LTE B48 20M Ch56640 1RB0 QPSK

H

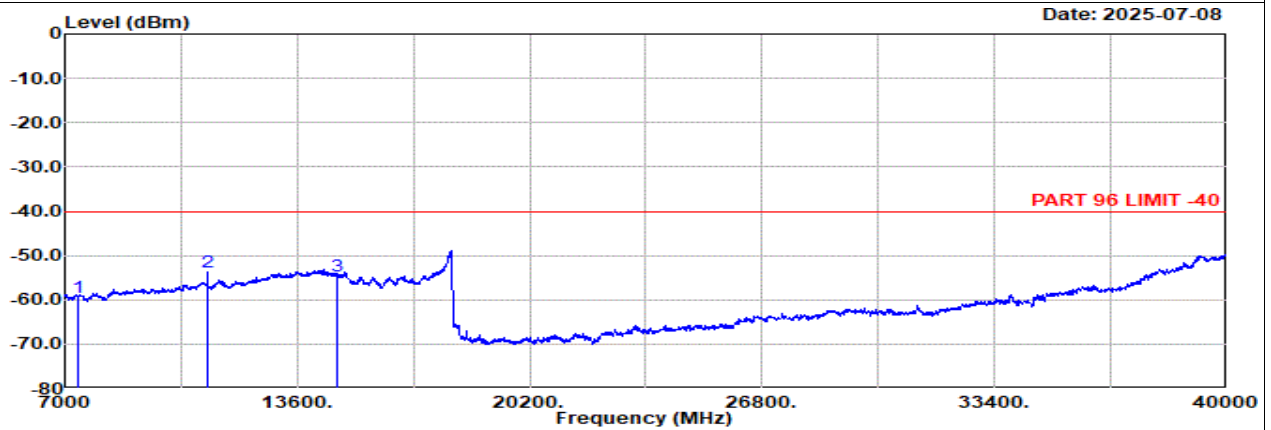


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_241118 Horizontal

: LTE Band 48 20M Ch56640 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	7362.00	-59.37	RMS	36.83	-53.44	0.42	-95.23	52.05	-40.00	-19.37 Horizontal
2	11043.00	-57.12	RMS	38.90	-51.54	0.22	-95.23	50.53	-40.00	-17.12 Horizontal
3	14724.00	-54.74	RMS	40.65	-47.96	0.06	-95.23	47.74	-40.00	-14.74 Horizontal



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_241118 Vertical

: LTE Band 48 20M Ch56640 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	7362.00	-59.43	RMS	36.83	-53.44	0.42	-95.23	51.99	-40.00	-19.43 Vertical
2	11043.00	-53.65	RMS	38.90	-51.54	0.22	-95.23	54.00	-40.00	-13.65 Vertical
3	14724.00	-54.63	RMS	40.65	-47.96	0.06	-95.23	47.85	-40.00	-14.63 Vertical

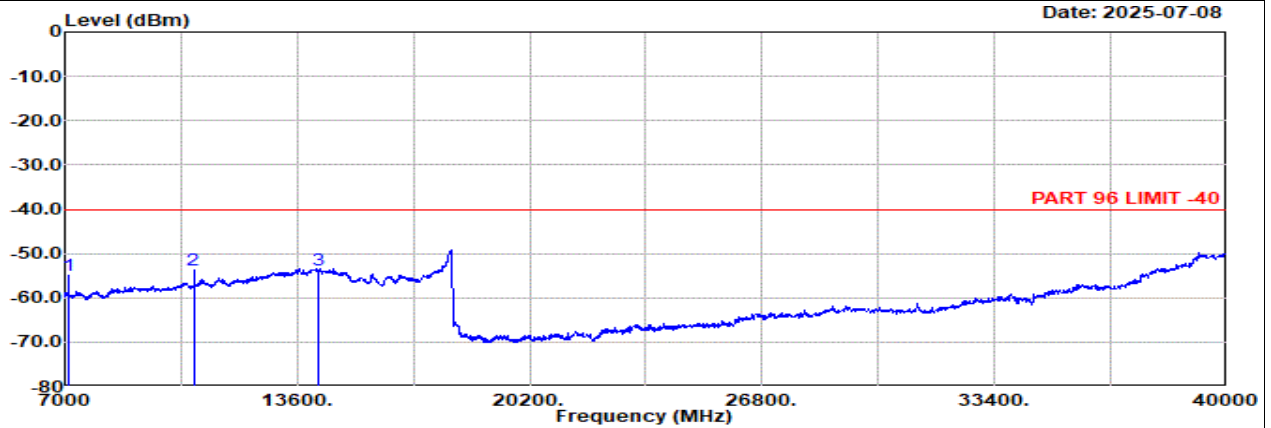


Ant 2

Part 96 Mode 2

LTE B48 20M Ch55340 1RB0 QPSK

L

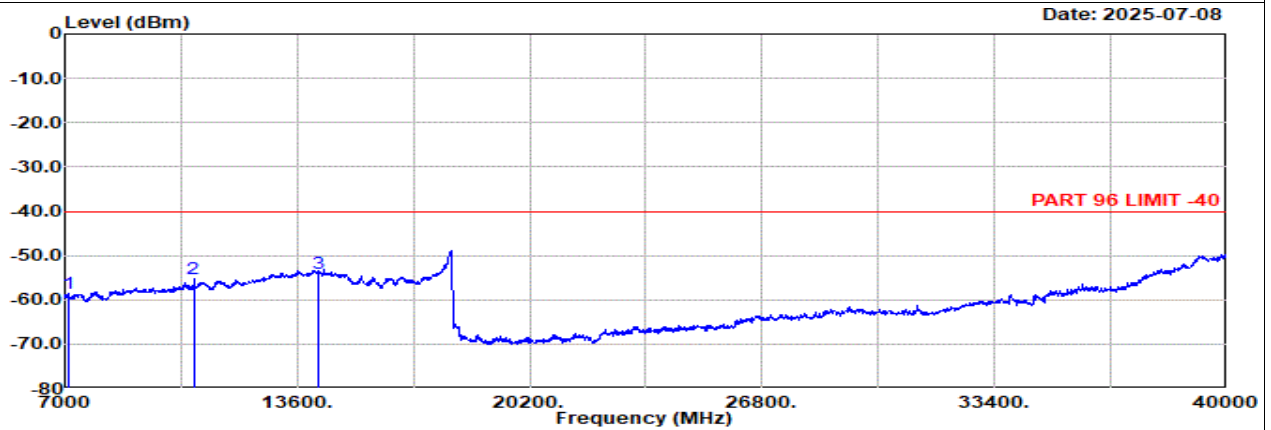


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_241118 Horizontal

: LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	7102.00	-54.94	RMS	36.61	-53.58	0.82	-95.23	56.44	-40.00	-14.94	Horizontal			
2	10653.00	-53.65	RMS	39.20	-51.99	0.19	-95.23	54.18	-40.00	-13.65	Horizontal			
3	14204.00	-53.88	RMS	40.99	-48.02	0.05	-95.23	48.33	-40.00	-13.88	Horizontal			



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_241118 Vertical

: LTE Band 48 20M Ch55340 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	7102.00	-58.67	RMS	36.61	-53.58	0.82	-95.23	52.71	-40.00	-18.67	Vertical			
2	10653.00	-55.29	RMS	39.20	-51.99	0.19	-95.23	52.54	-40.00	-15.29	Vertical			
3	14204.00	-54.01	RMS	40.99	-48.02	0.05	-95.23	48.20	-40.00	-14.01	Vertical			

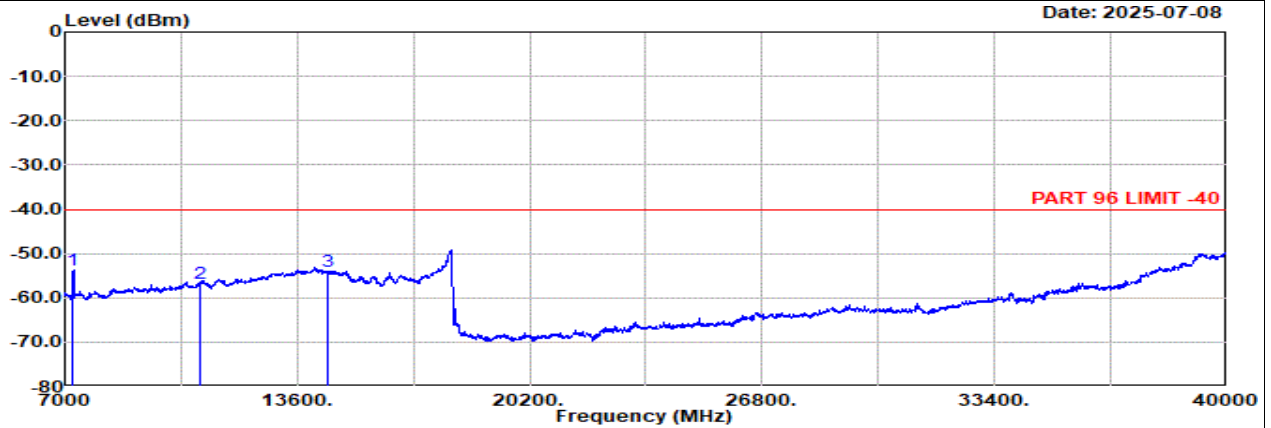


Ant 2

Part 96 Mode 2

LTE B48 20M Ch55990 1RB0 QPSK

M

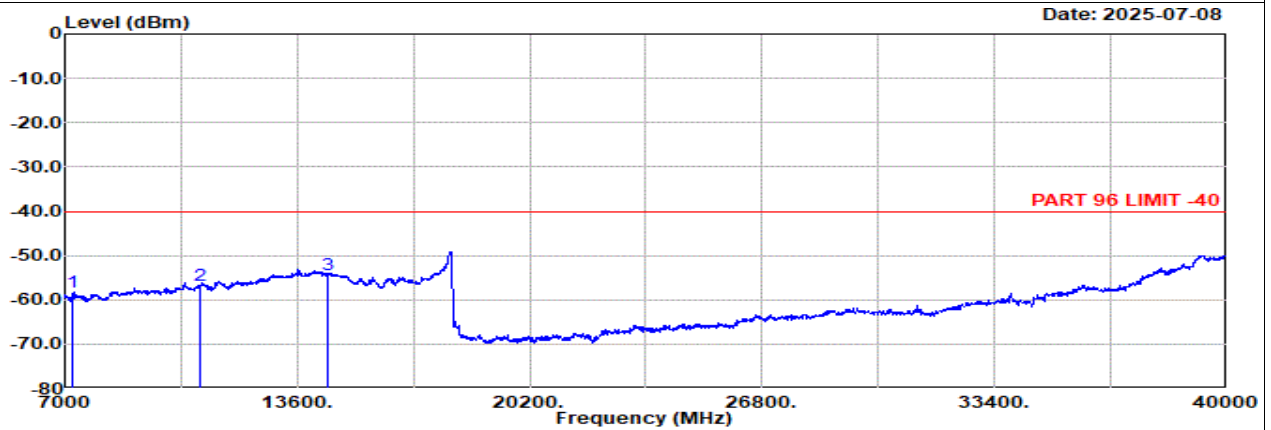


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_241118 Horizontal

: LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	EIRPCF		Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB		dBuV	dBm	dB	
1	7232.00	-53.74	RMS	37.13	-53.49	0.65	-95.23	57.20	-40.00	-13.74	Horizontal		
2	10848.00	-56.83	RMS	39.20	-51.78	0.20	-95.23	50.78	-40.00	-16.83	Horizontal		
3	14464.00	-54.18	RMS	40.63	-47.57	0.05	-95.23	47.94	-40.00	-14.18	Horizontal		



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_241118 Vertical

: LTE Band 48 20M Ch55990 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	EIRPCF		Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB		dBuV	dBm	dB	
1	7232.00	-58.33	RMS	37.13	-53.49	0.65	-95.23	52.61	-40.00	-18.33	Vertical		
2	10848.00	-56.64	RMS	39.20	-51.78	0.20	-95.23	50.97	-40.00	-16.64	Vertical		
3	14464.00	-54.45	RMS	40.63	-47.57	0.05	-95.23	47.67	-40.00	-14.45	Vertical		

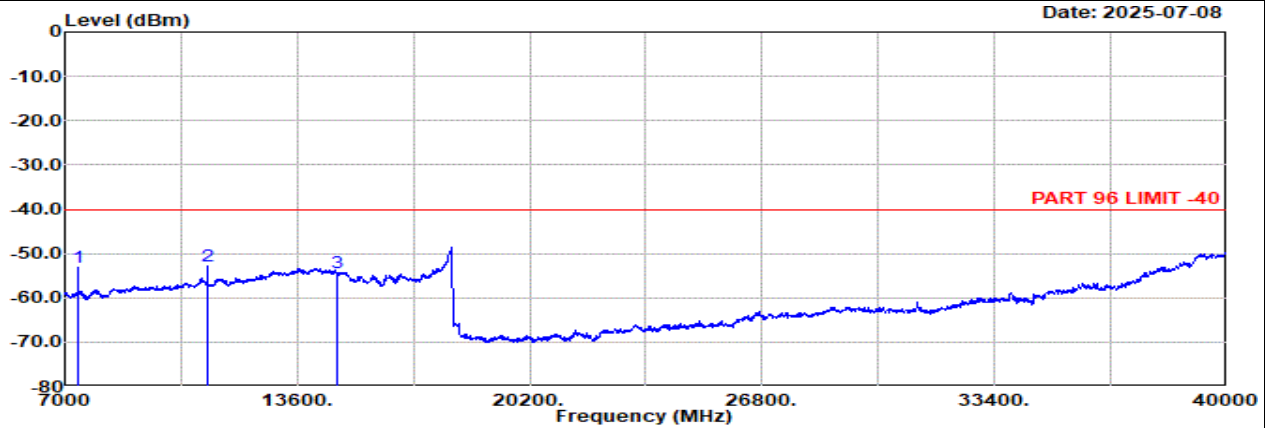


Ant 2

Part 96 Mode 2

LTE B48 20M Ch56640 1RB0 QPSK

H

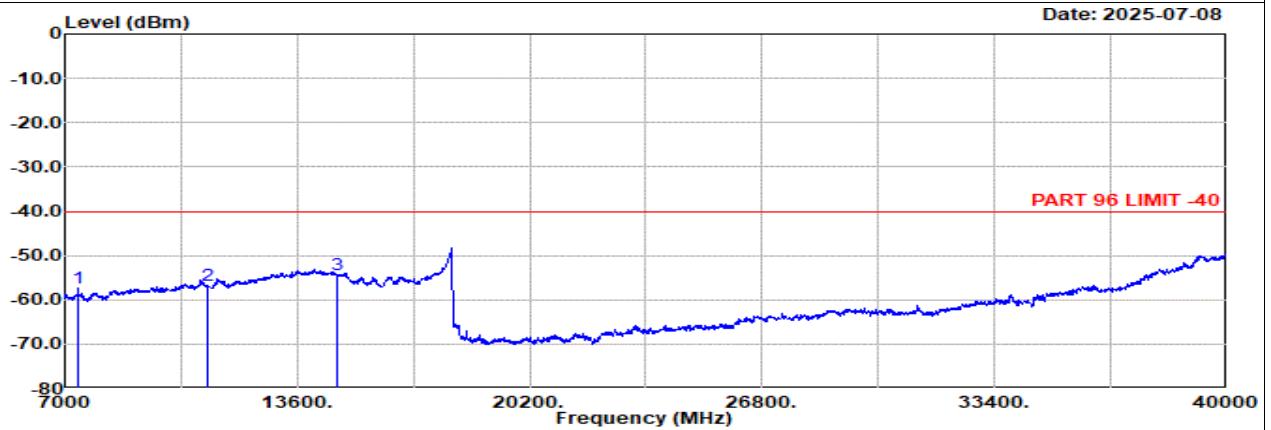


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_241118 Horizontal

: LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	7362.00	-53.03	RMS	36.83	-53.44	0.42	-95.23	58.39	-40.00	-13.03	Horizontal			
2	11043.00	-52.81	RMS	38.90	-51.54	0.22	-95.23	54.84	-40.00	-12.81	Horizontal			
3	14724.00	-54.22	RMS	40.65	-47.96	0.06	-95.23	48.26	-40.00	-14.22	Horizontal			



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_241118 Vertical

: LTE Band 48 20M Ch56640 1RB0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	7362.00	-57.35	RMS	36.83	-53.44	0.42	-95.23	54.07	-40.00	-17.35	Vertical			
2	11043.00	-56.77	RMS	38.90	-51.54	0.22	-95.23	50.88	-40.00	-16.77	Vertical			
3	14724.00	-54.42	RMS	40.65	-47.96	0.06	-95.23	48.06	-40.00	-14.42	Vertical			

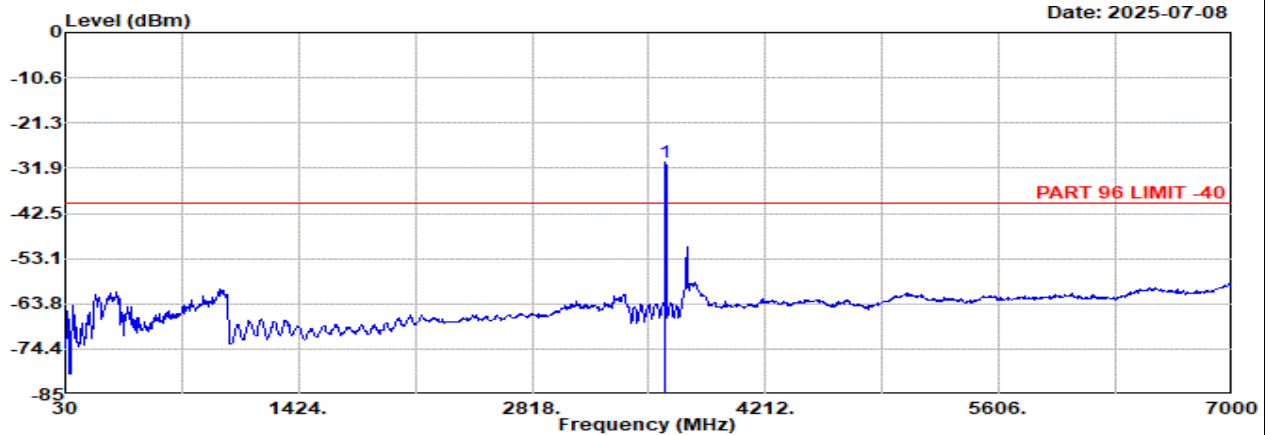


Ant 6

6Part 96 Mode 1

LTE B48 20M Ch55990 1RB0 QPSK

M



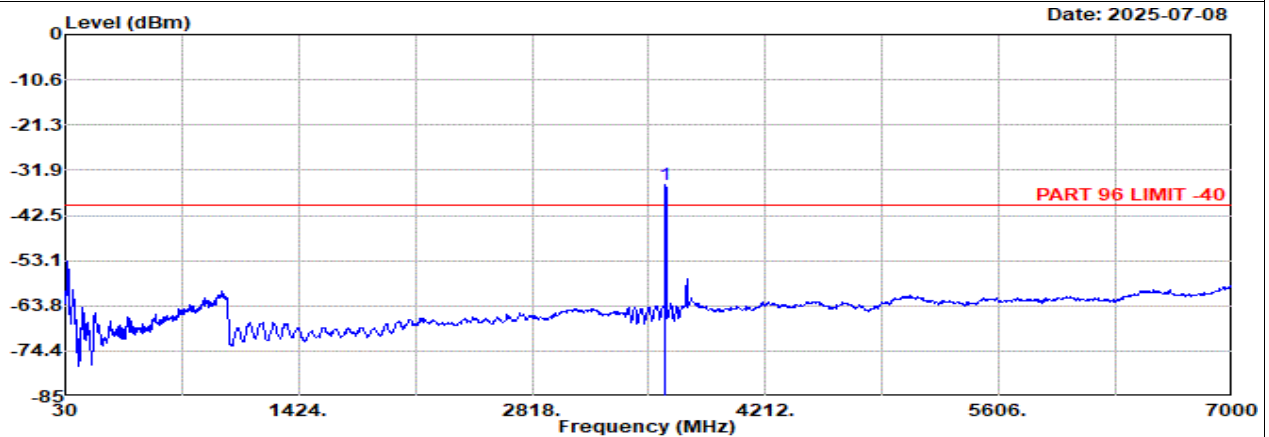
Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02038-240729 Horizontal

: LTE Band 48 20M Ch55990 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin	Pol
	MHz	dBm		Factor	dB		dB	dB	dBuV	dBm	dB	
1	3616.00	-30.47	RMS	29.56	-57.88	0.57	-95.23	92.51	-40.00	9.53	Horizontal	



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02038-240729 Vertical

: LTE Band 48 20M Ch55990 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin	Pol
	MHz	dBm		Factor	dB		dB	dB	dBuV	dBm	dB	
1	3616.00	-35.12	RMS	29.56	-57.88	0.57	-95.23	87.86	-40.00	4.88	Vertical	

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

—THE END—