

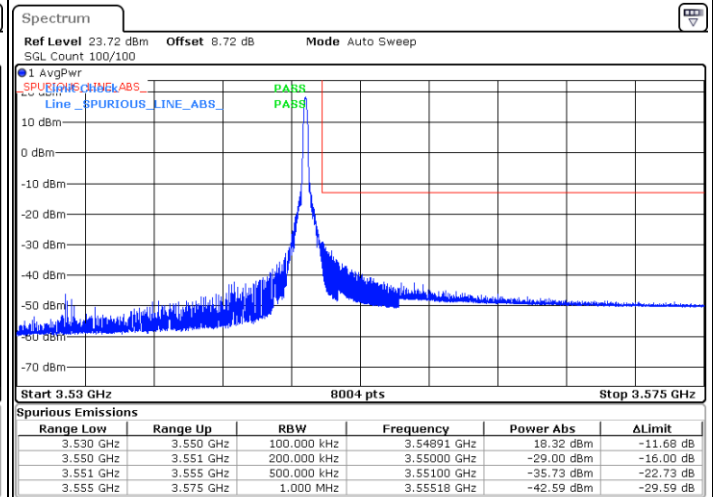
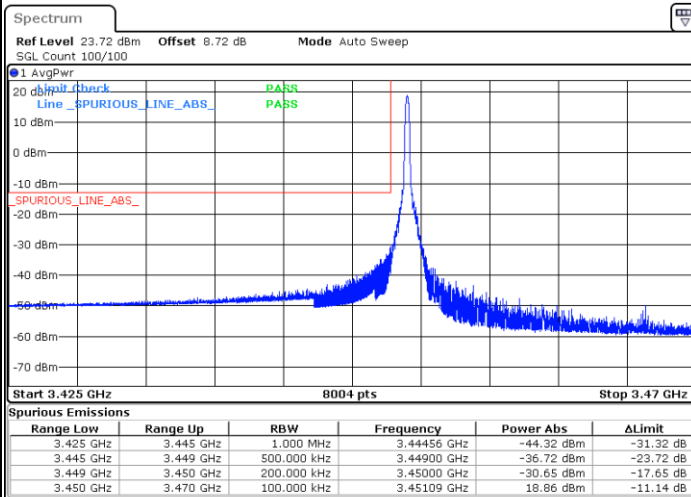


LTE Band 42 / 20MHz

16QAM

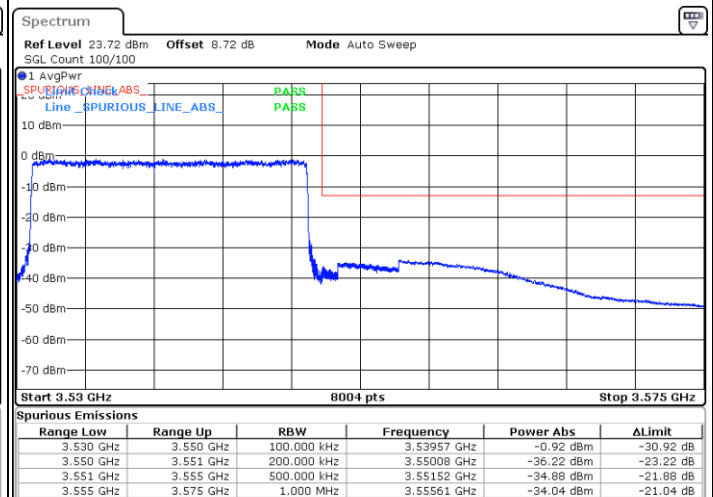
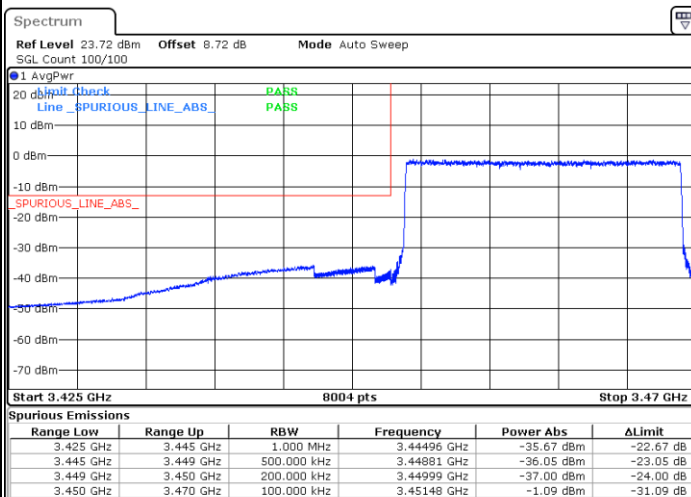
Lowest Channel / 1RB0

Highest Channel / 1RBmax



Lowest Channel / FullRB

Highest Channel / FullRB



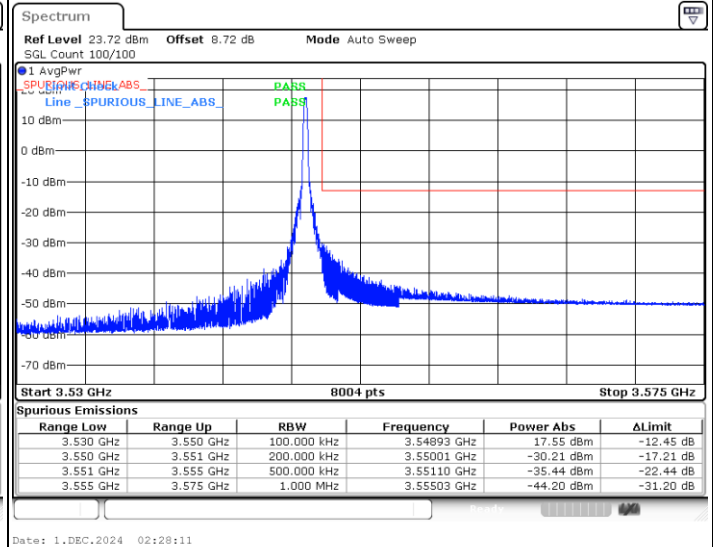
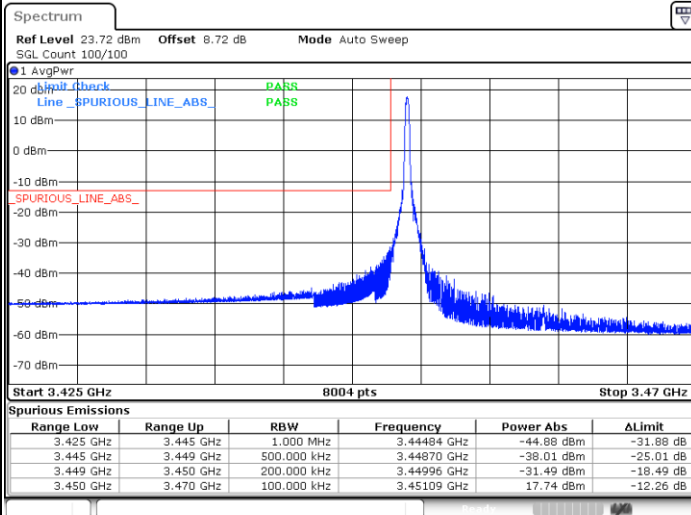


LTE Band 42 / 20MHz

64QAM

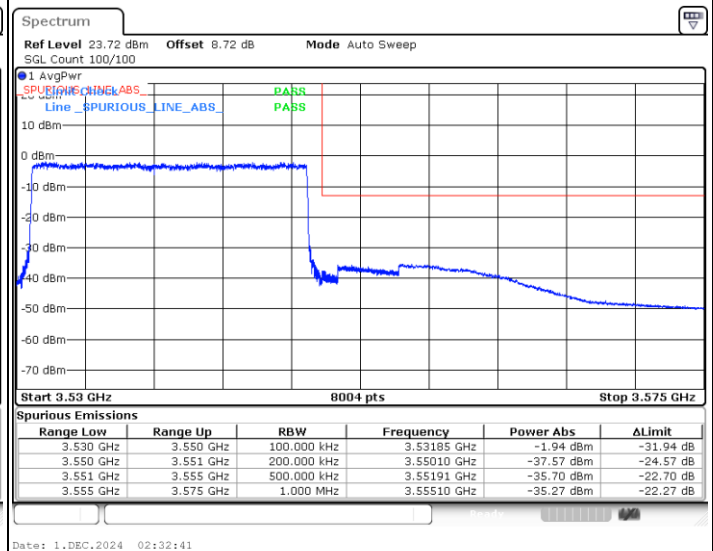
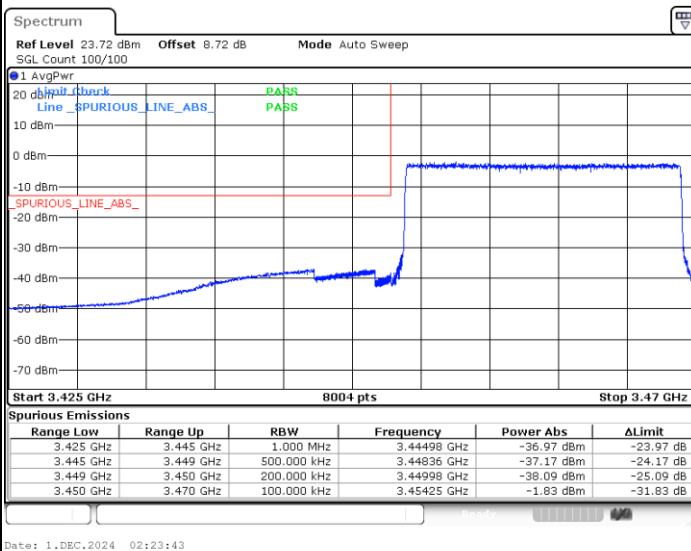
Lowest Channel / 1RB0

Highest Channel / 1RBmax



Lowest Channel / FullRB

Highest Channel / FullRB



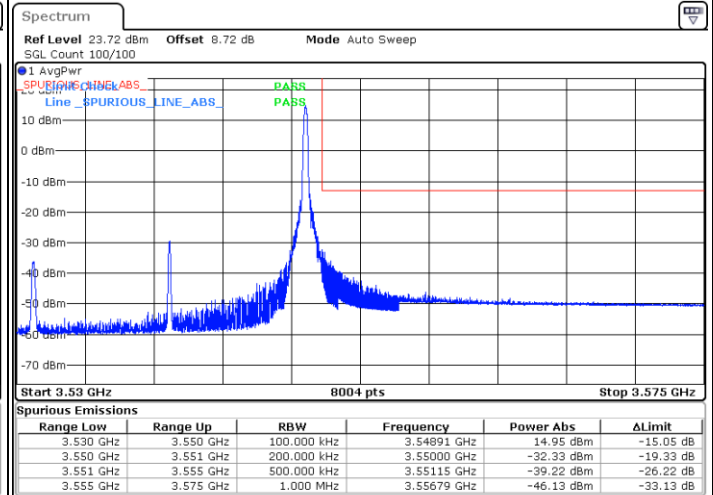
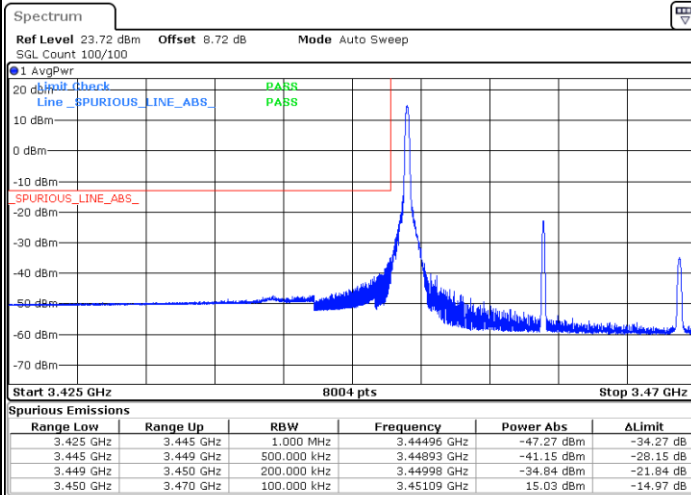


LTE Band 42 / 20MHz

256QAM

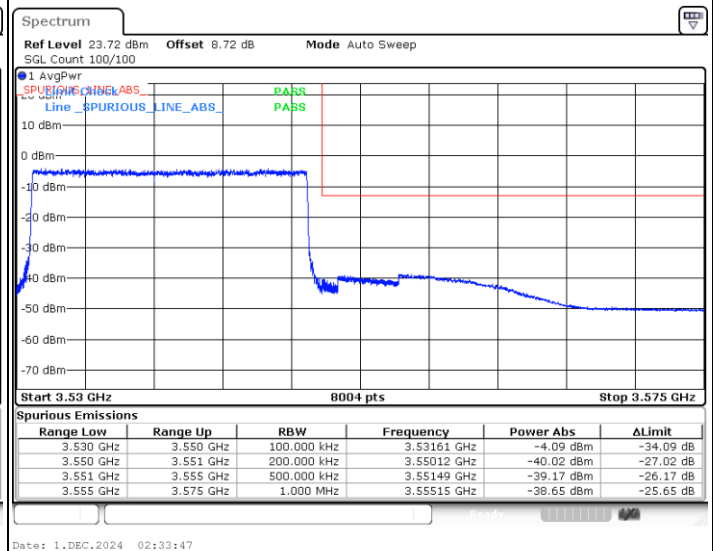
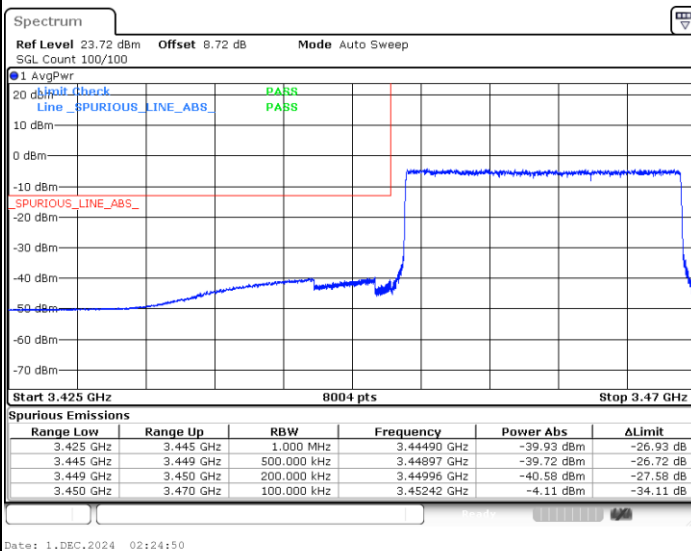
Lowest Channel / 1RB0

Highest Channel / 1RBmax



Lowest Channel / FullRB

Highest Channel / FullRB





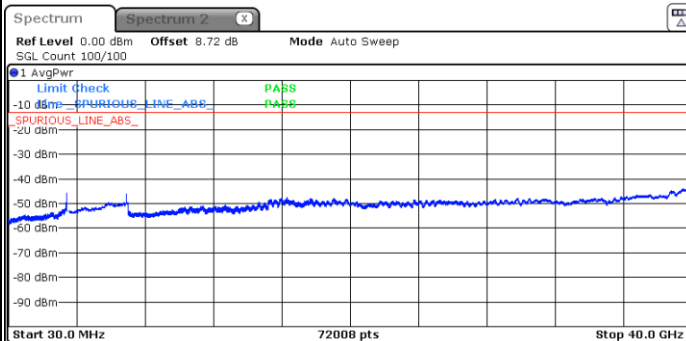
Conducted Spurious Emission

LTE Band 42/ 5MHz

QPSK / 1RB0

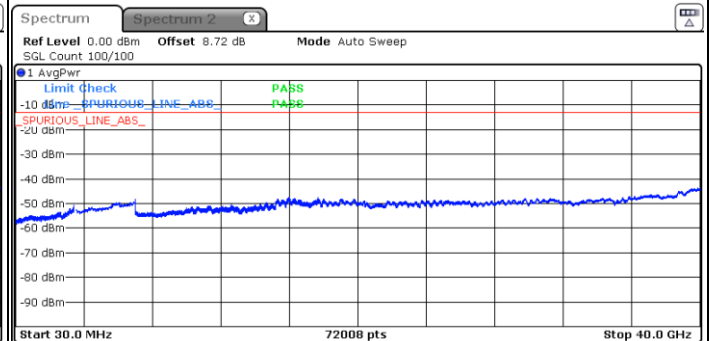
Lowest Channel

Middle Channel



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.41359 MHz	-54.65 dBm	-41.65 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.41803 GHz	-45.79 dBm	-32.79 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.90249 GHz	-46.17 dBm	-33.17 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95182 GHz	-52.38 dBm	-39.38 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.65671 GHz	-50.85 dBm	-37.85 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.30541 GHz	-47.66 dBm	-34.66 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.04309 GHz	-47.92 dBm	-34.92 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.99296 GHz	-43.62 dBm	-30.62 dB

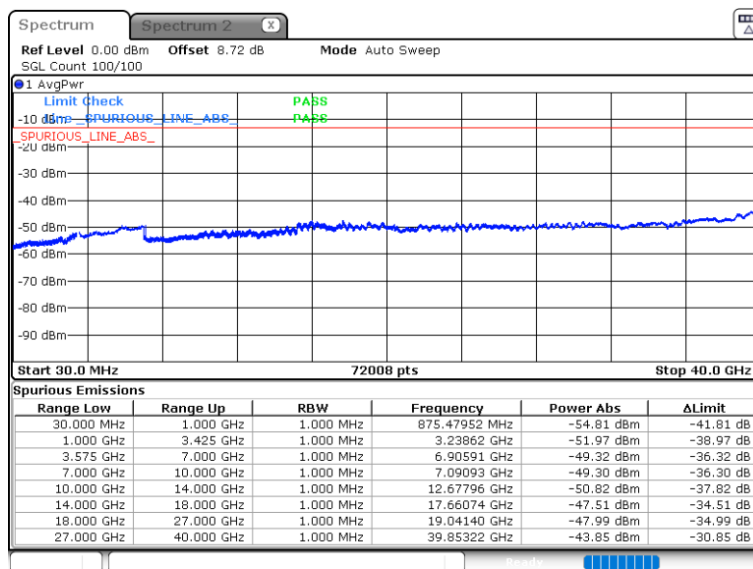
Date: 9.JAN.2025 00:52:02



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.20979 MHz	-54.89 dBm	-41.89 dB
1.000 GHz	3.425 GHz	1.000 MHz	3.42470 GHz	-50.59 dBm	-37.59 dB
3.575 GHz	7.000 GHz	1.000 MHz	6.99487 GHz	-48.26 dBm	-35.26 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96644 GHz	-52.30 dBm	-39.30 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.64421 GHz	-50.47 dBm	-37.47 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.67531 GHz	-47.56 dBm	-34.56 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.05265 GHz	-48.10 dBm	-35.10 dB
27.000 GHz	40.000 GHz	1.000 MHz	39.86839 GHz	-43.53 dBm	-30.53 dB

Date: 9.JAN.2025 00:53:22

Highest Channel



Date: 9.JAN.2025 00:54:42

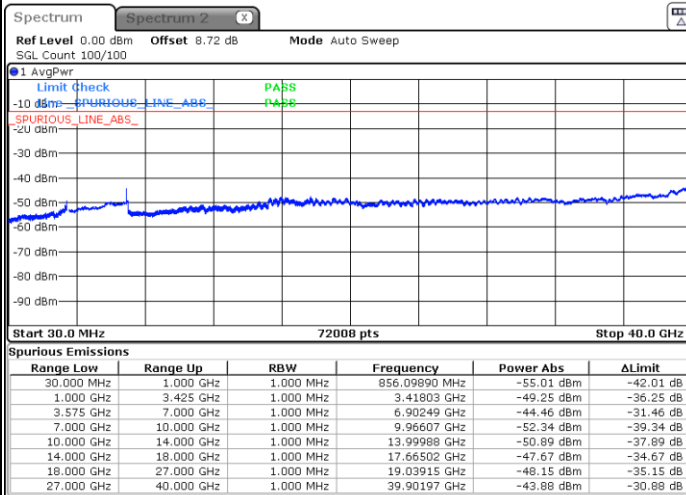


LTE Band 42/ 10MHz

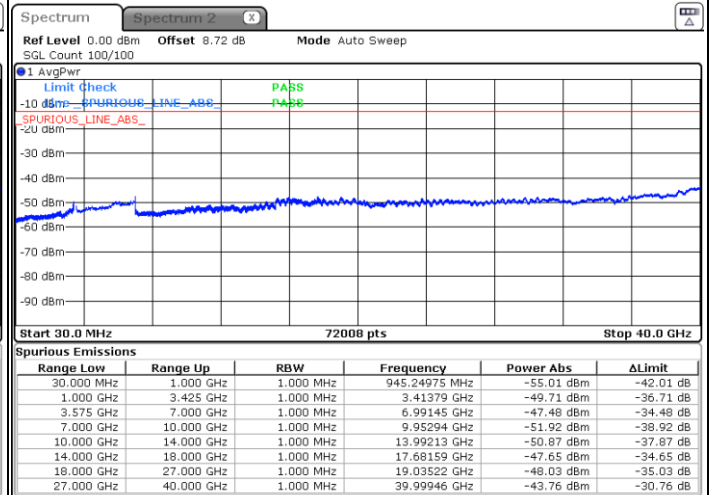
QPSK / 1RB0

Lowest Channel

Middle Channel

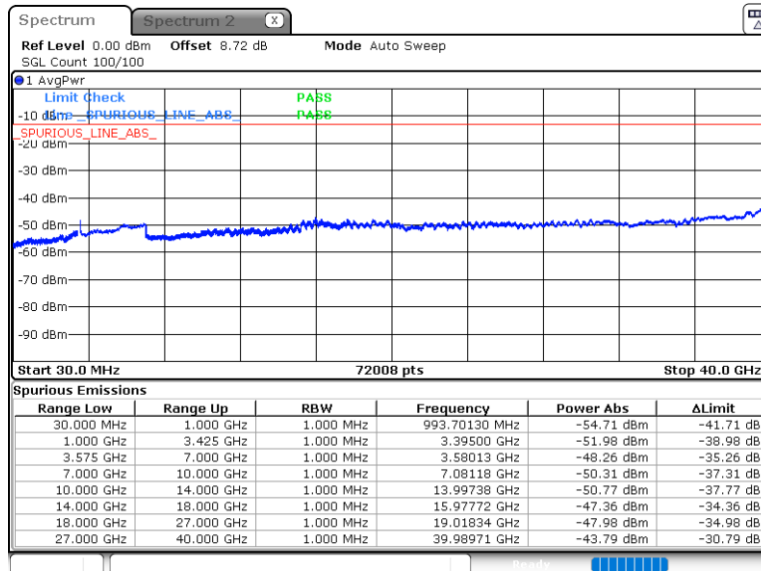


Date: 9.JAN.2025 00:56:55



Date: 9.JAN.2025 00:58:15

Highest Channel



Date: 9.JAN.2025 00:59:36

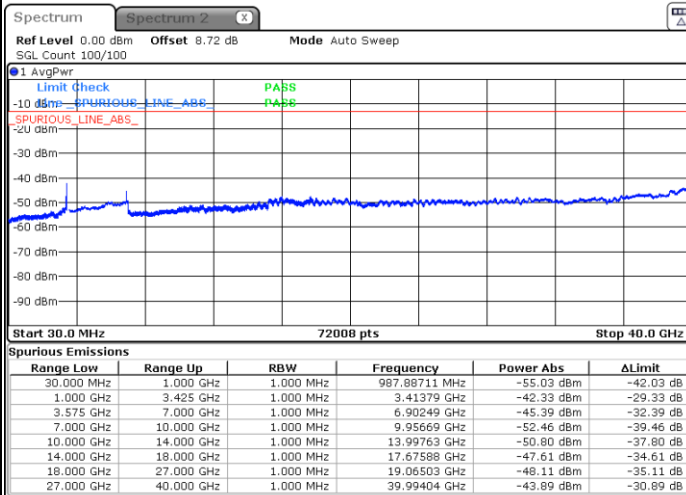


LTE Band 42/ 15MHz

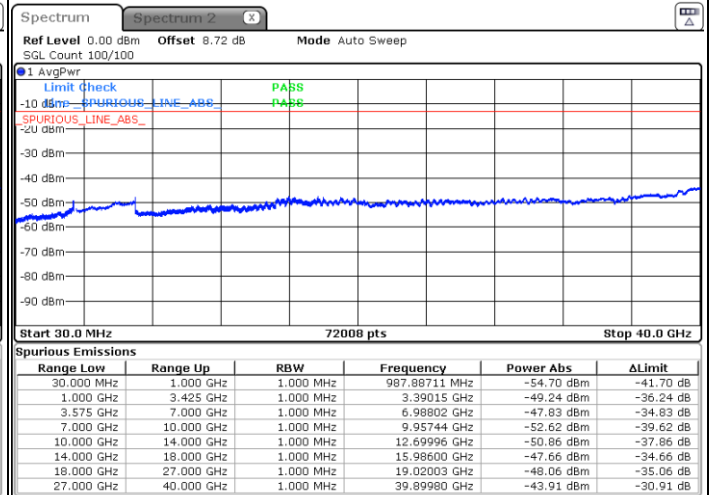
QPSK / 1RB0

Lowest Channel

Middle Channel

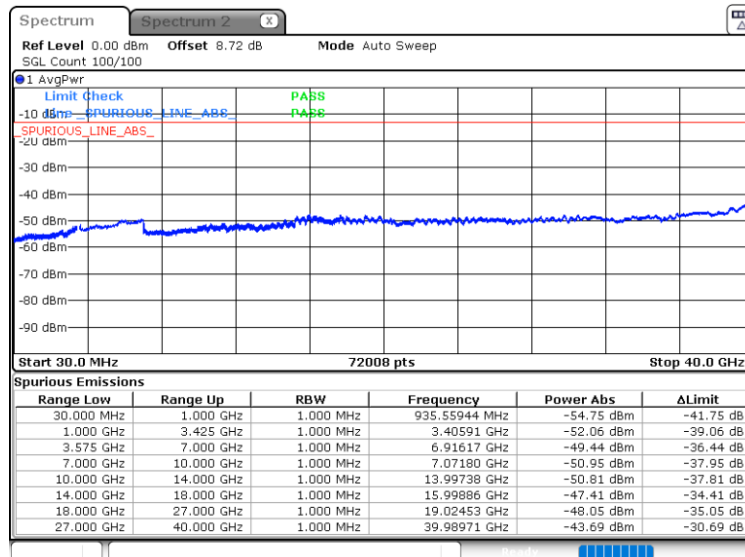


Date: 9.JAN.2025 01:00:57



Date: 9.JAN.2025 01:02:17

Highest Channel



Date: 9.JAN.2025 01:03:38

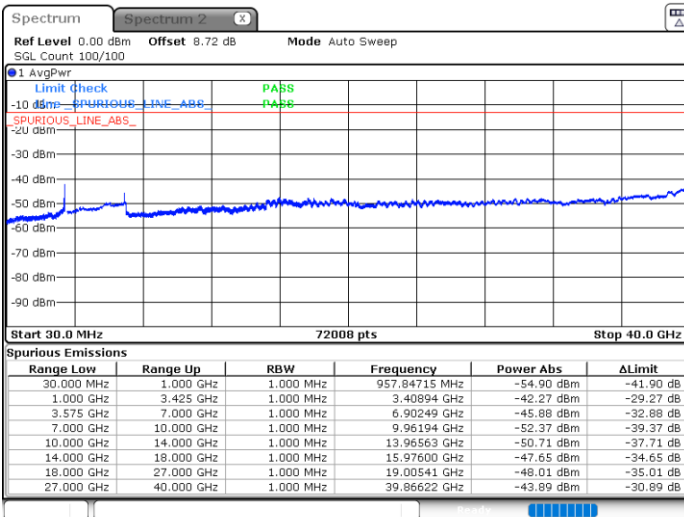


LTE Band 42/ 20MHz

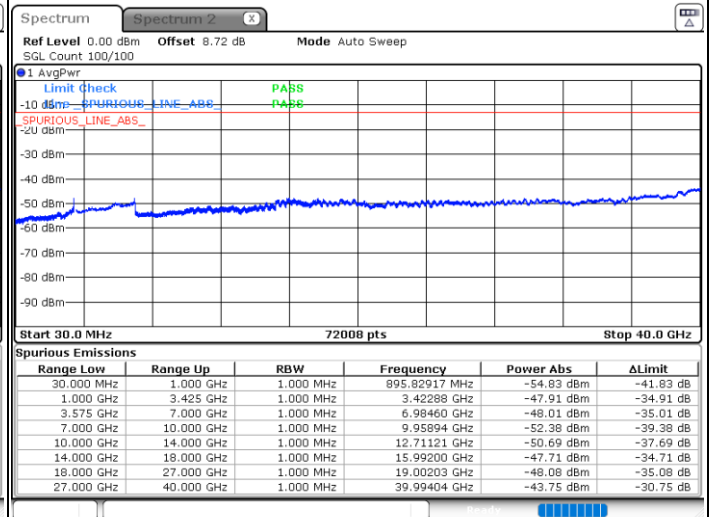
QPSK / 1RB0

Lowest Channel

Middle Channel

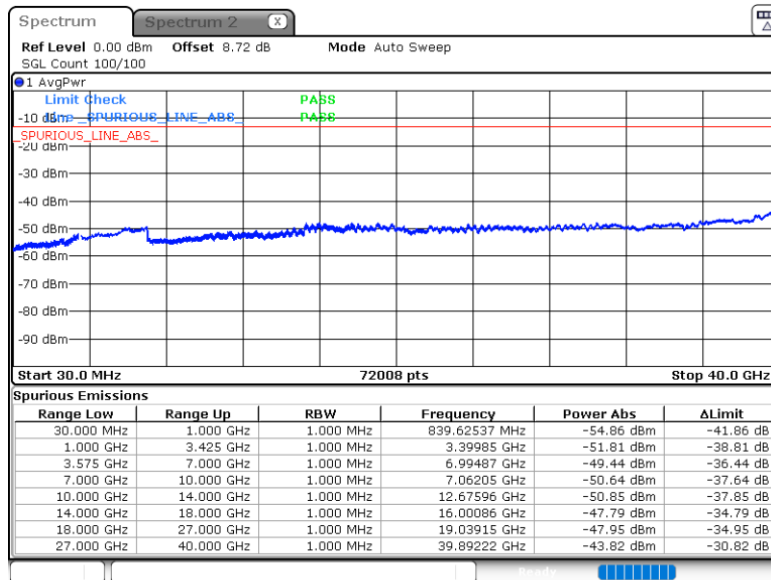


Date: 9.JAN.2025 01:04:59



Date: 9.JAN.2025 01:06:19

Highest Channel



Date: 9.JAN.2025 01:07:40

Frequency Stability

Test Conditions		LTE Band 42 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0062	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0073	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0045	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage =4 ; Battery End Point (BEP) =3.55 ; Maximum Voltage =4.4
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jake	Temperature :	23~25°C
		Relative Humidity :	51~53%

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

LTE Band 42 / 20MHz / QPSK Ant. 6								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	6900	-61.94	-13	-48.94	-72.15	3.03	13.24	H
	10356	-59.53	-13	-46.53	-68.98	3.56	13.01	H
	13800	-58.57	-13	-45.57	-68.09	3.92	13.44	H
	6912	-61.33	-13	-48.33	-71.54	3.03	13.24	V
	10356	-59.68	-13	-46.68	-69.13	3.56	13.01	V
	13800	-58.30	-13	-45.30	-67.82	3.92	13.44	V
Middle	6984	-61.56	-13	-48.56	-71.77	3.03	13.24	H
	10476	-59.68	-13	-46.68	-69.13	3.56	13.01	H
	13968	-59.18	-13	-46.18	-68.70	3.92	13.44	H
	6984	-61.20	-13	-48.20	-71.41	3.03	13.24	V
	10476	-60.17	-13	-47.17	-69.62	3.56	13.01	V
	13968	-59.35	-13	-46.35	-68.87	3.92	13.44	V
Highest	7056	-61.08	-13	-48.08	-71.29	3.03	13.24	H
	10596	-60.06	-13	-47.06	-69.51	3.56	13.01	H
	14124	-58.89	-13	-45.89	-68.41	3.92	13.44	H
	7056	-60.92	-13	-47.92	-71.13	3.03	13.24	V
	10596	-60.67	-13	-47.67	-70.12	3.56	13.01	V
	14124	-59.00	-13	-46.00	-68.52	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.