

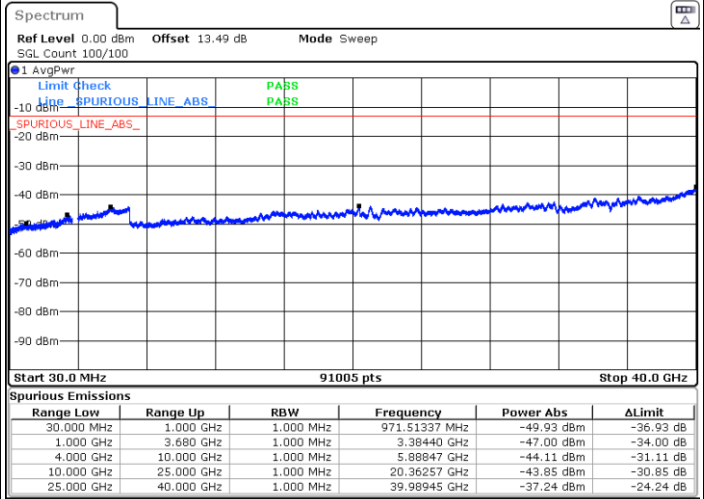
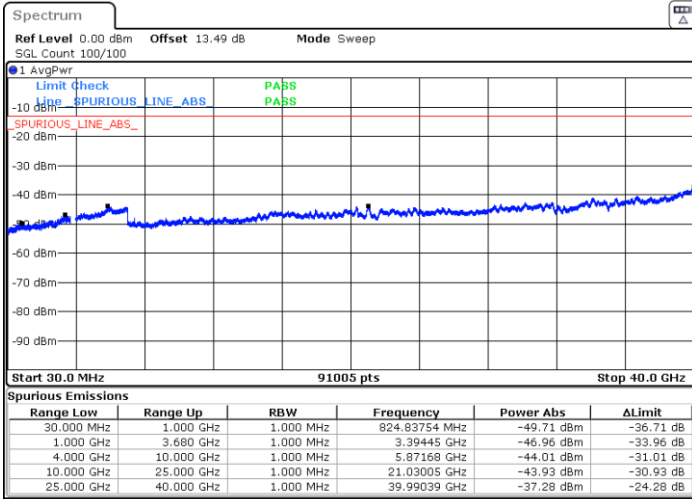


Conducted Spurious Emission

FR1 n78 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

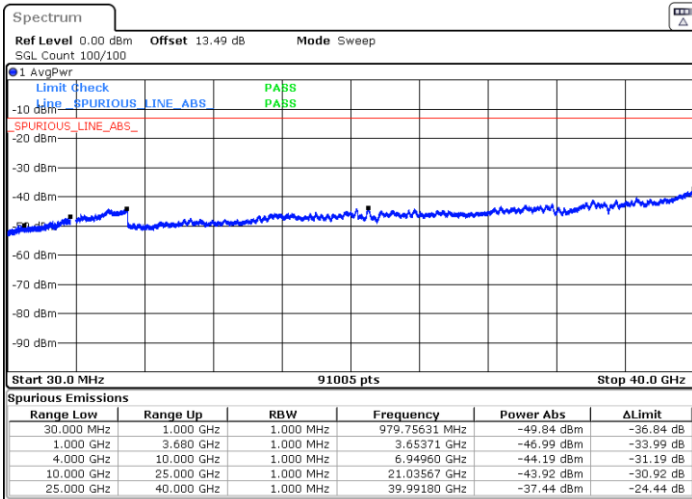
Middle Channel / 1RB1



Date: 20.DEC.2022 20:42:01

Date: 20.DEC.2022 20:34:32

Highest Channel / 1RB1



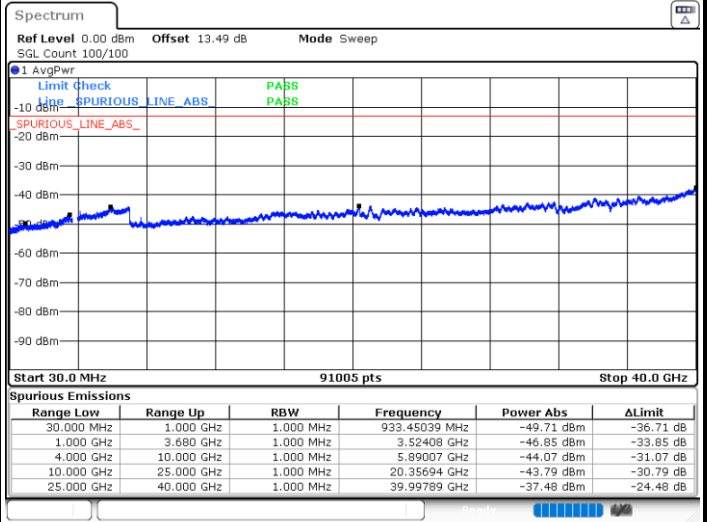
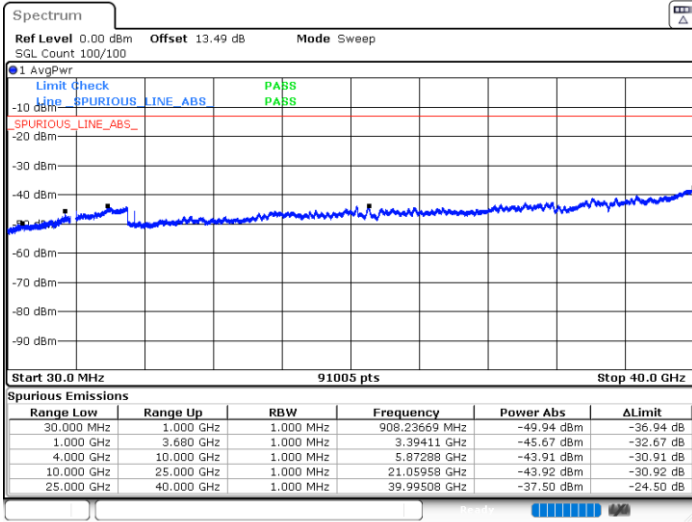
Date: 20.DEC.2022 20:43:39



FR1 n78 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

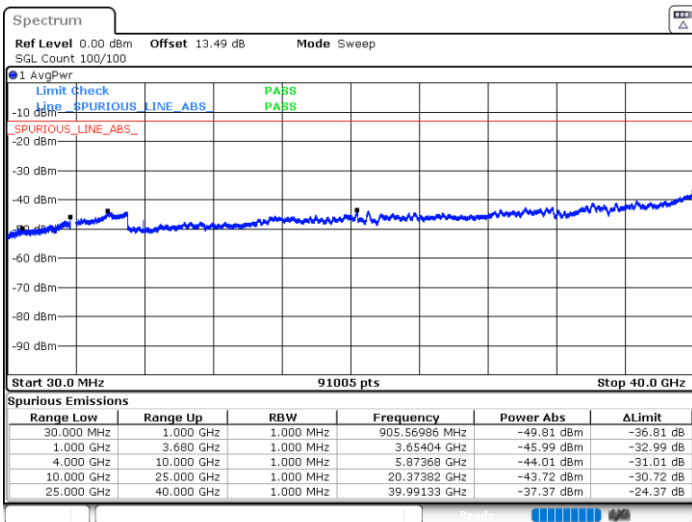
Middle Channel / 1RB1



Date: 20.DEC.2022 20:40:44

Date: 20.DEC.2022 20:39:04

Highest Channel / 1RB1



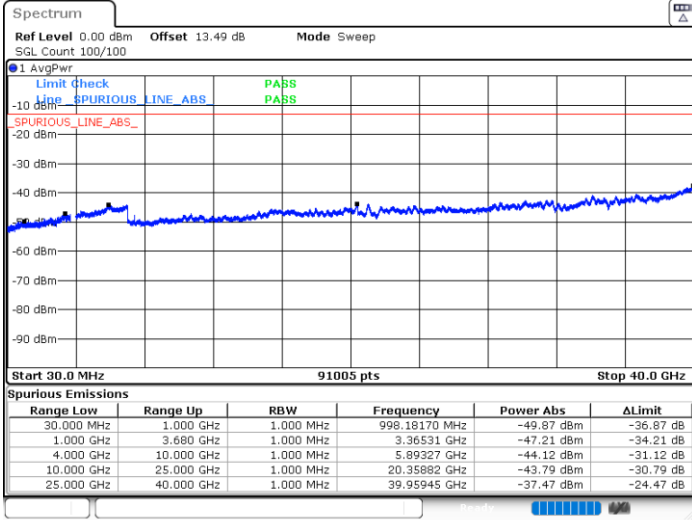
Date: 20.DEC.2022 20:45:07



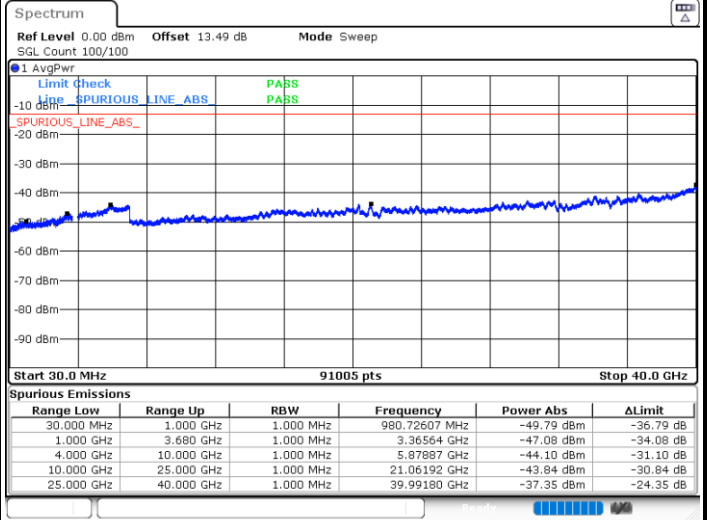
FR1 n78 /60MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

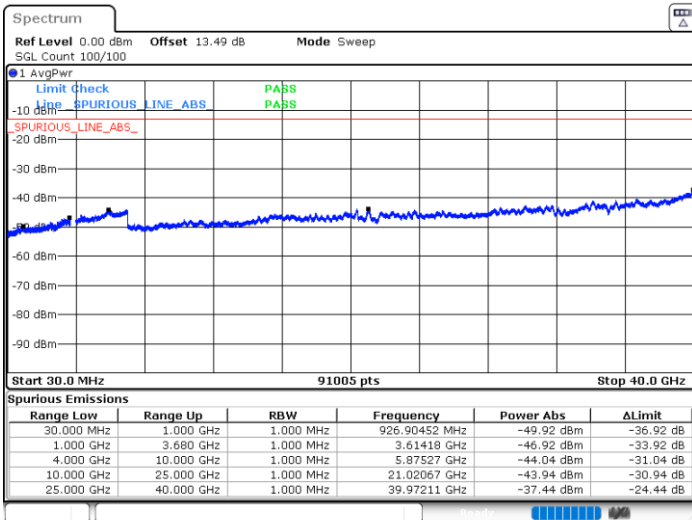


Date: 20.DEC.2022 20:50:18



Date: 20.DEC.2022 20:48:41

Highest Channel / 1RB1



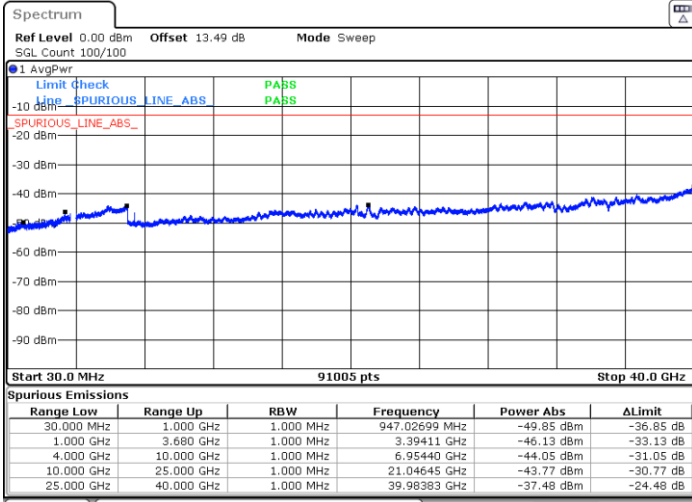
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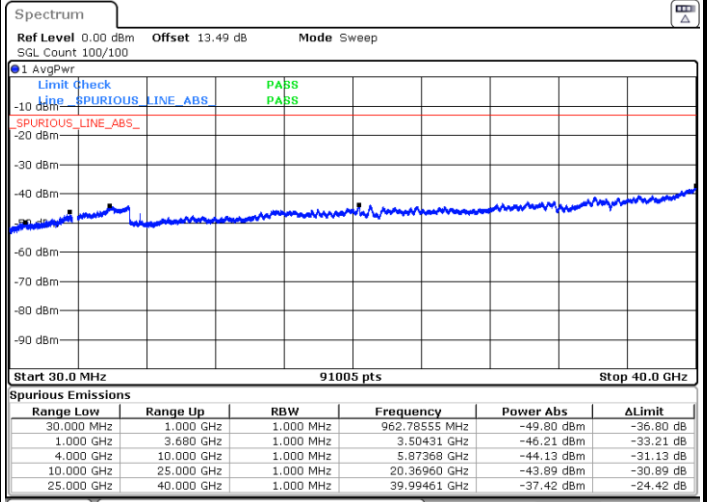
FR1 n78 /60MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

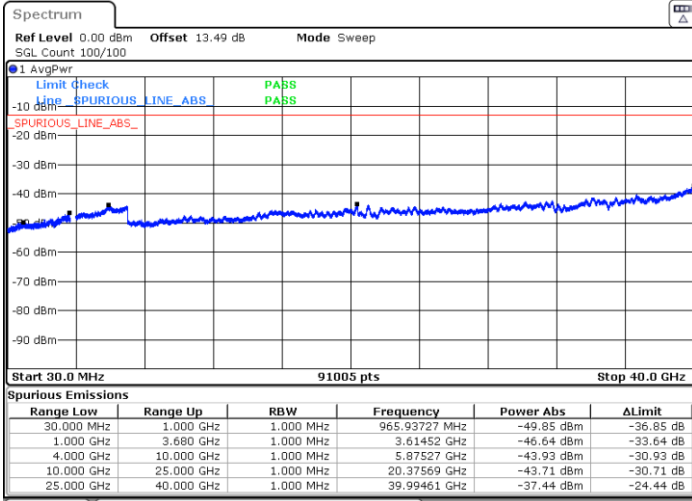


Date: 20.DEC.2022 20:51:29



Date: 20.DEC.2022 20:47:27

Highest Channel / 1RB1



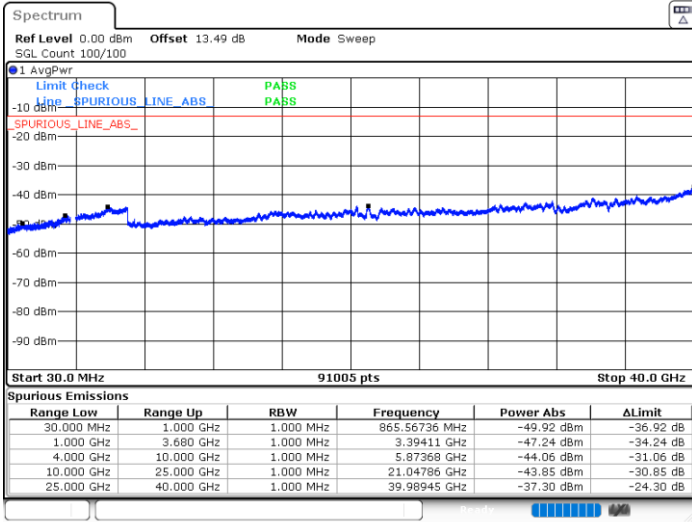
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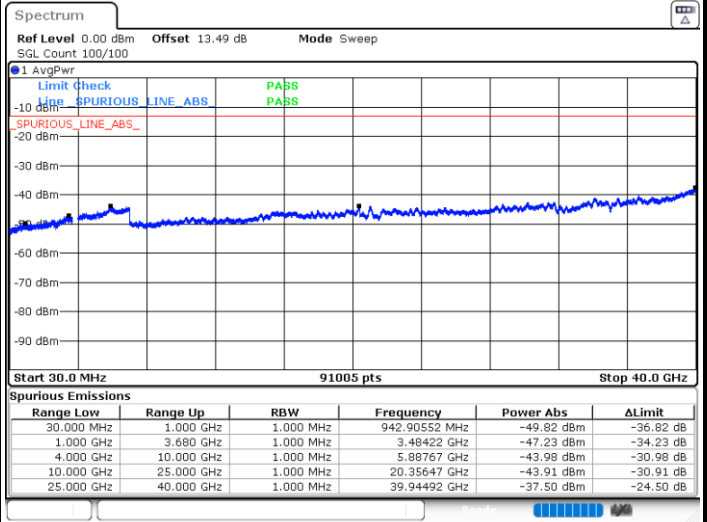
FR1 n78 /100MHz / DFT-S OFDM /BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

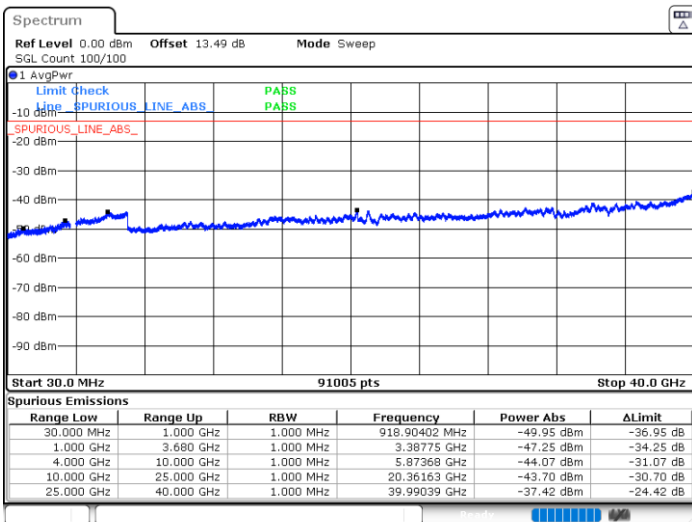


Date: 20.DEC.2022 21:00:55



Date: 20.DEC.2022 20:56:31

Highest Channel / 1RB1



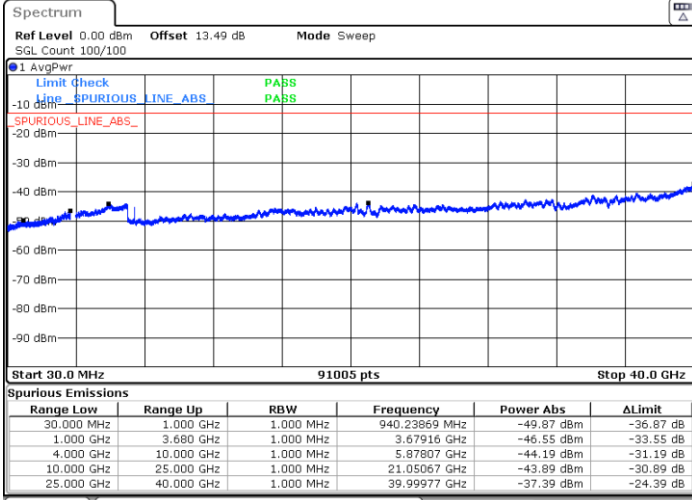
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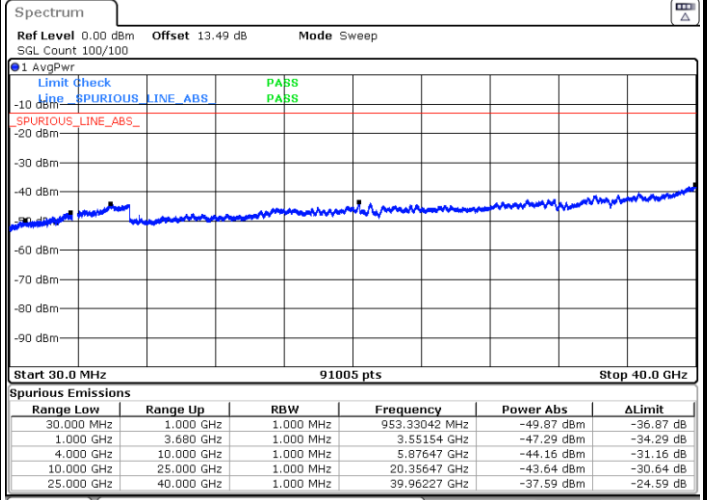
FR1 n78 /100MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

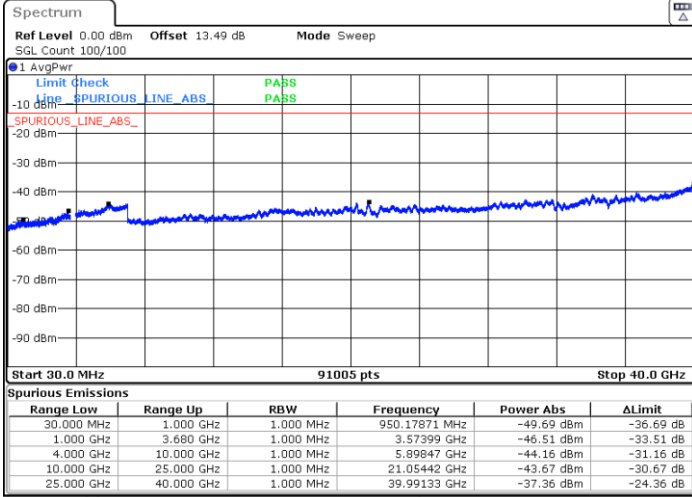


Date: 20.DEC.2022 20:59:39



Date: 20.DEC.2022 20:58:18

Highest Channel / 1RB1



Date: 20.DEC.2022 21:03:51



Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0046	
20	Normal Voltage	0.0029	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Levi Zhuo	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

SA n77 / NR 100MHz / QPSK / ANT3								
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)
Middle	7584	-62.72	-13	-49.72	-72.93	3.03	13.24	H
	11376	-47.62	-13	-34.62	-57.07	3.56	13.01	H
	15180	-58.81	-13	-45.81	-68.33	3.92	13.44	H
	7584	-60.41	-13	-47.41	-70.62	3.03	13.24	V
	11376	-43.99	-13	-30.99	-53.44	3.56	13.01	V
	15180	-58.58	-13	-45.58	-68.10	3.92	13.44	V

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