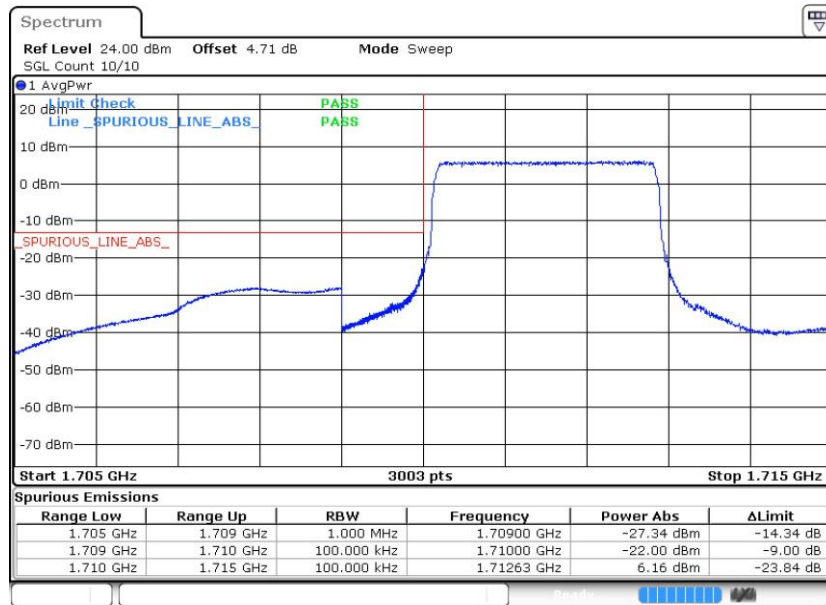




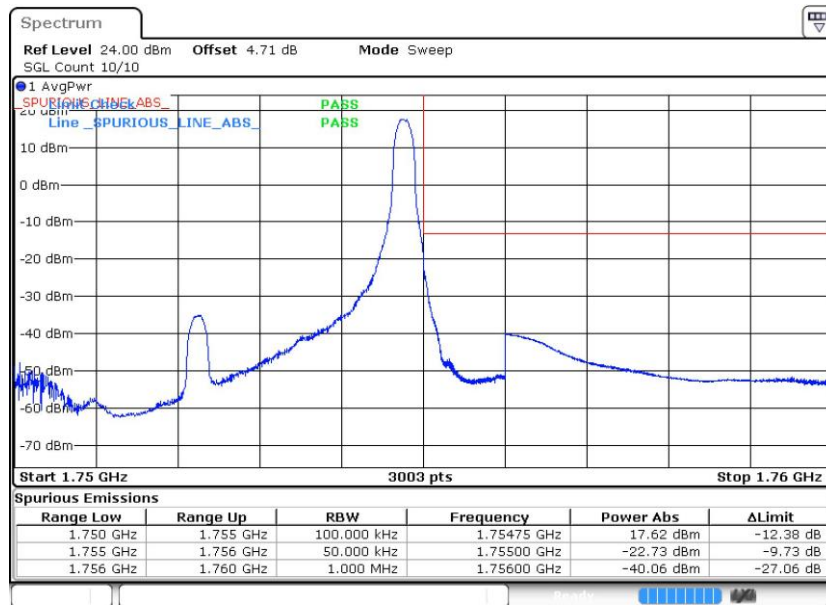
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## Band4-3MHz-QPSK-19965-15RB#0



## Band4-3MHz-QPSK-20385-1RB#14



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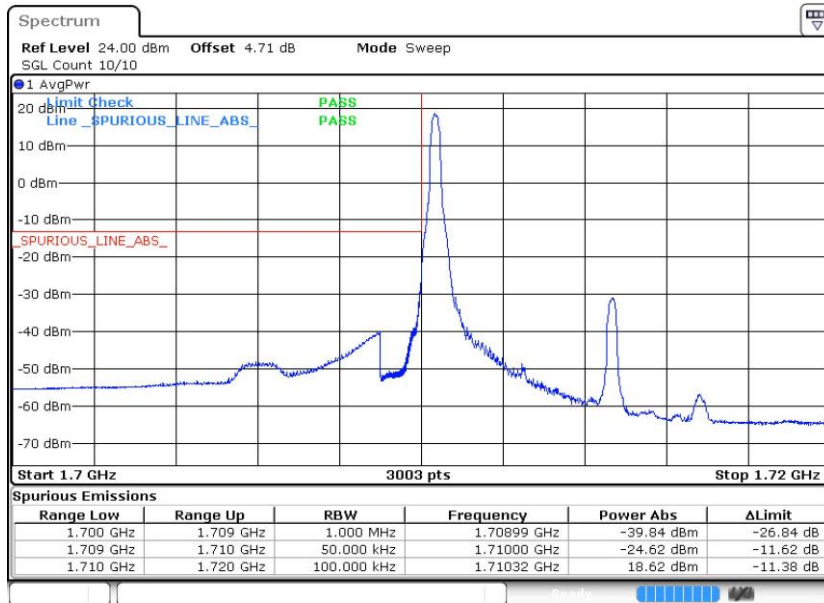
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## Band4-3MHz-QPSK-20385-15RB#0



## Band4-5MHz-QPSK-19975-1RB#0



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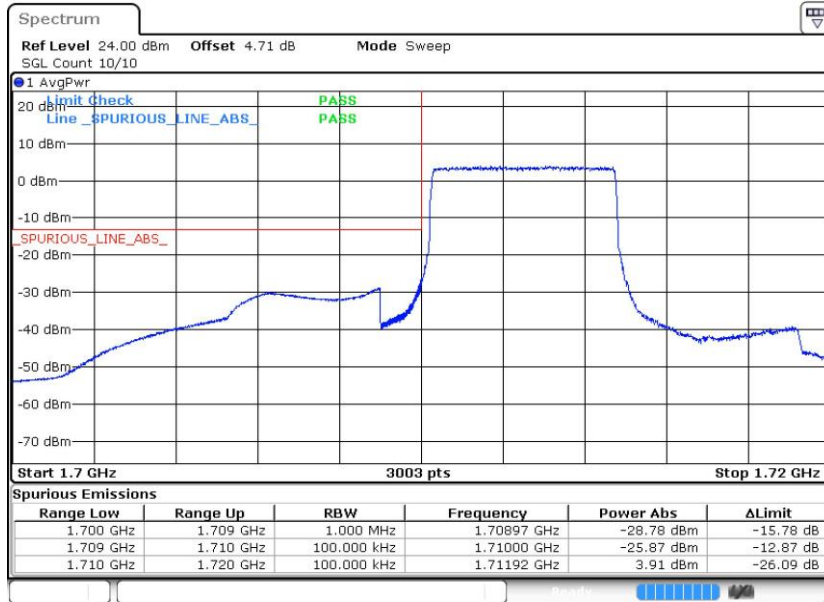
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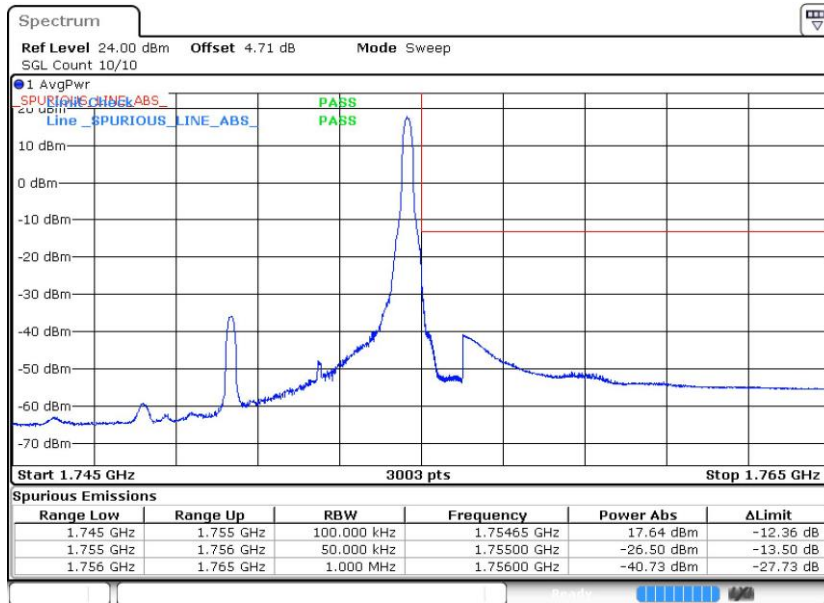
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## Band4-5MHz-QPSK-19975-25RB#0



## Band4-5MHz-QPSK-20375-1RB#24



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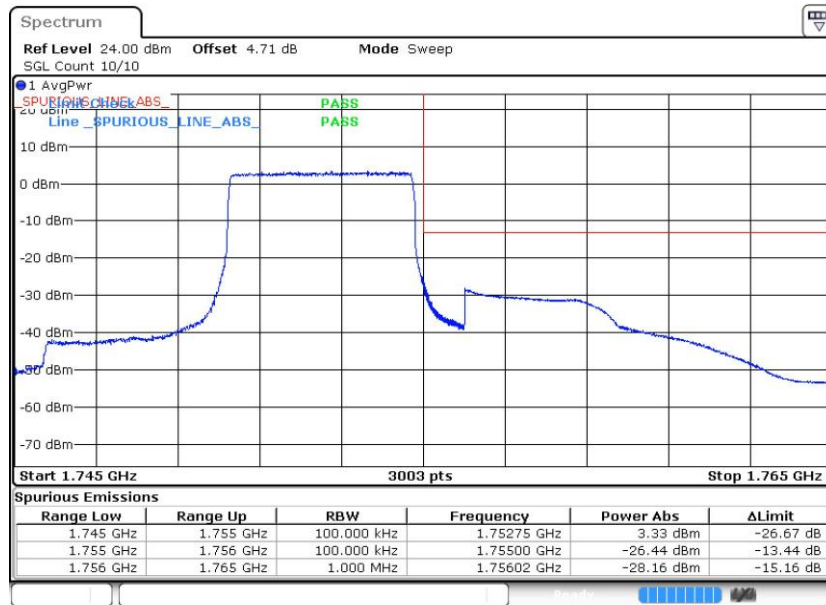
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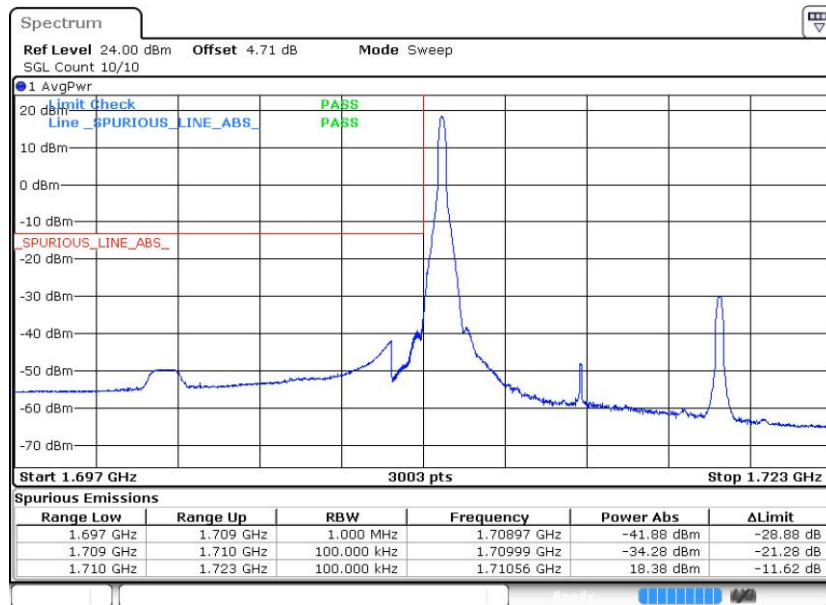
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## Band4-5MHz-QPSK-20375-25RB#0



## Band4-10MHz-QPSK-20000-1RB#0



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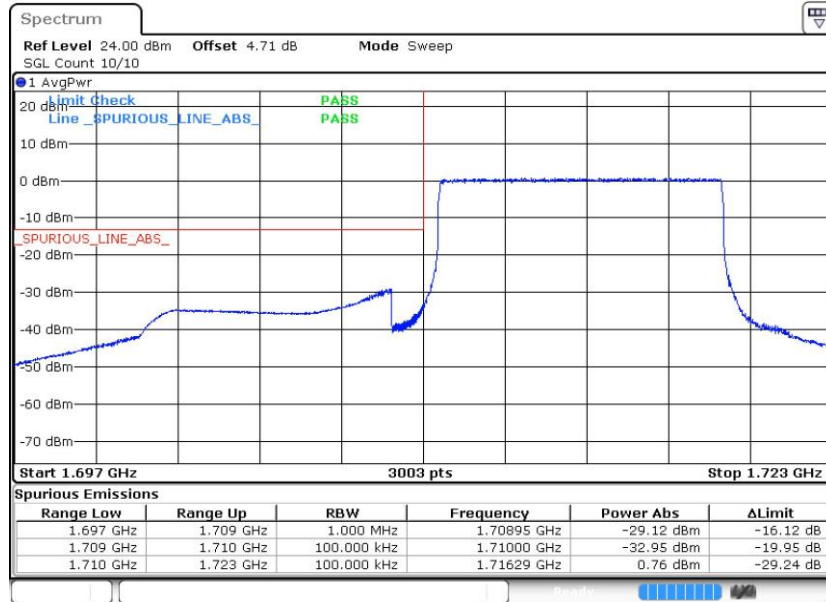




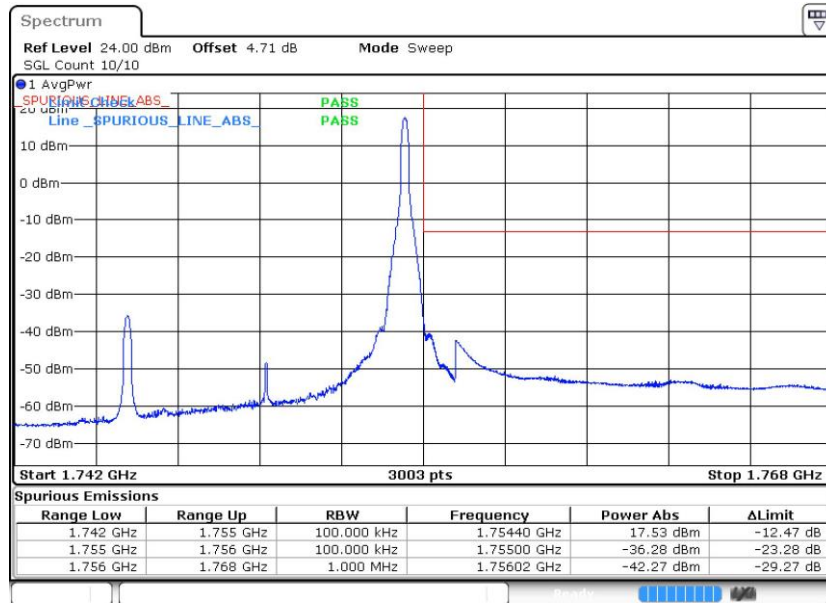
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## Band4-10MHz-QPSK-20000-50RB#0



## Band4-10MHz-QPSK-20350-1RB#49



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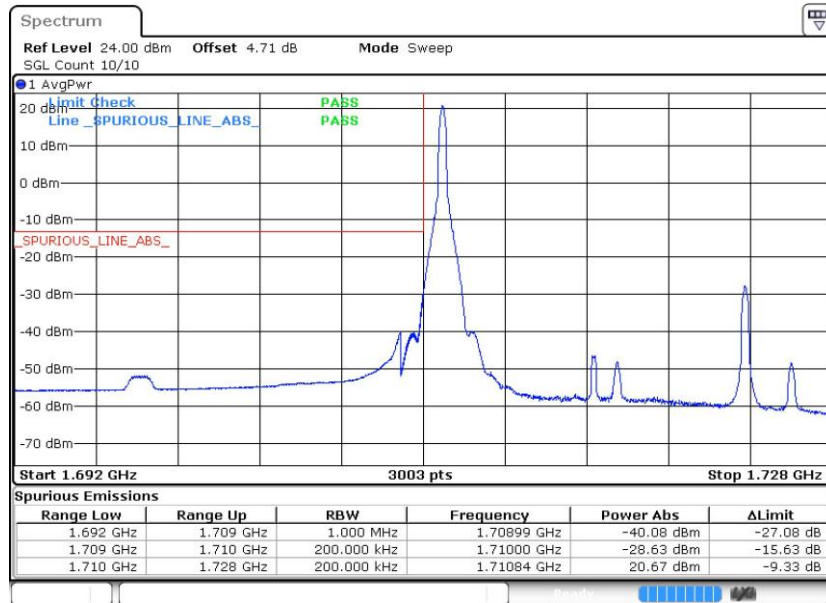
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## Band4-10MHz-QPSK-20350-50RB#0



## Band4-15MHz-QPSK-20025-1RB#0



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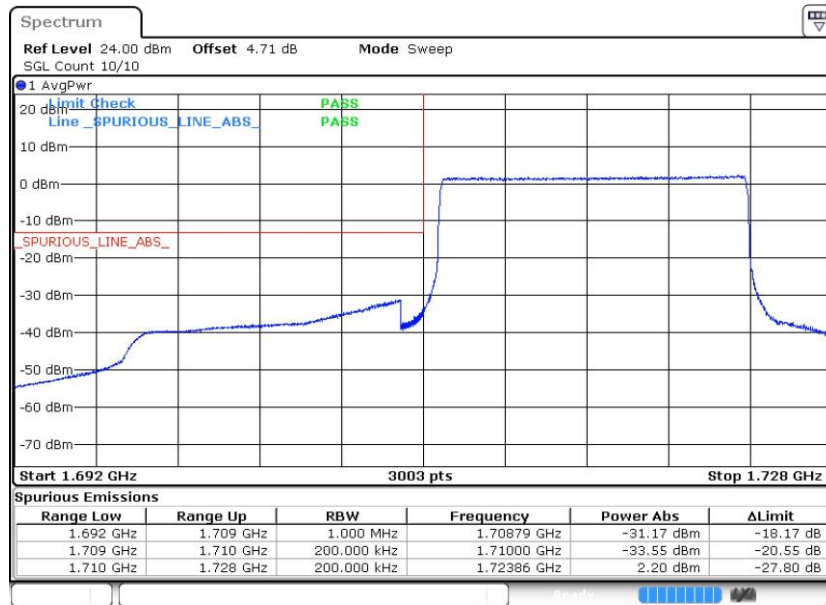
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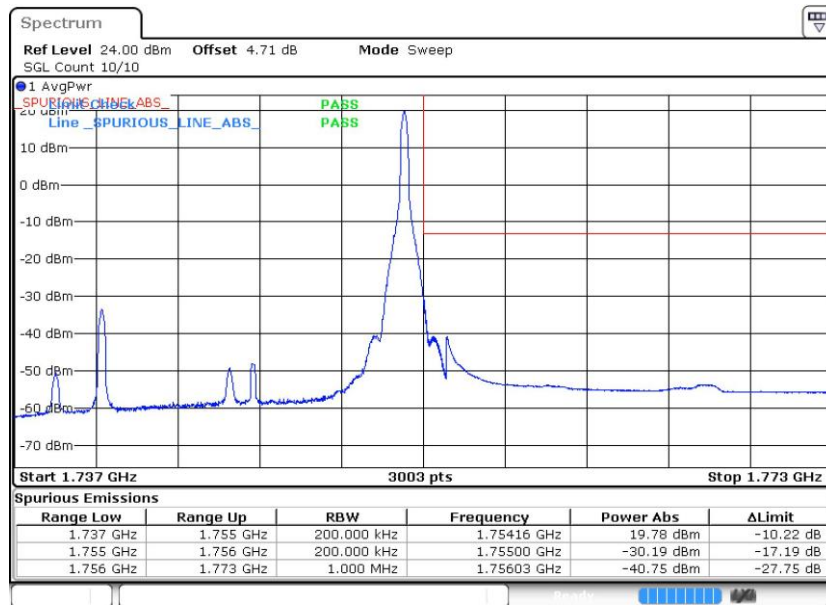
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## Band4-15MHz-QPSK-20025-75RB#0



## Band4-15MHz-QPSK-20325-1RB#74



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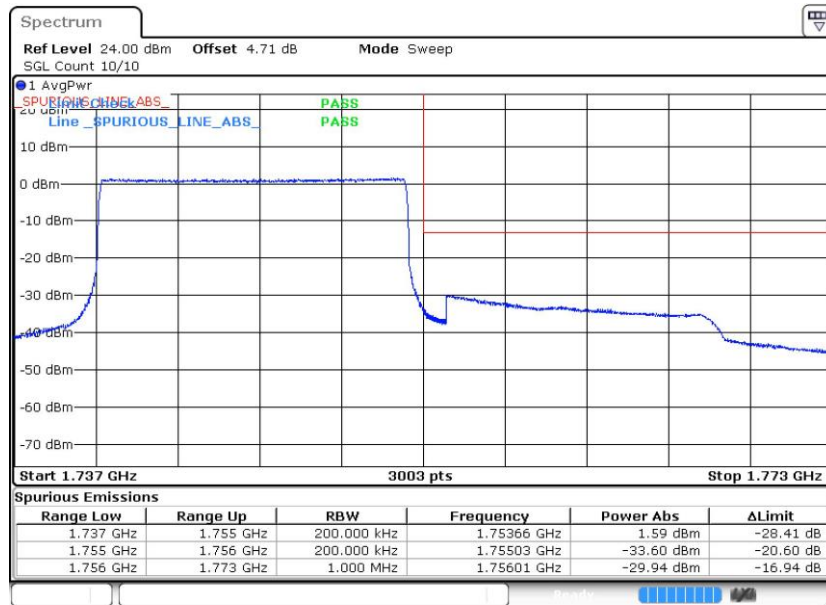
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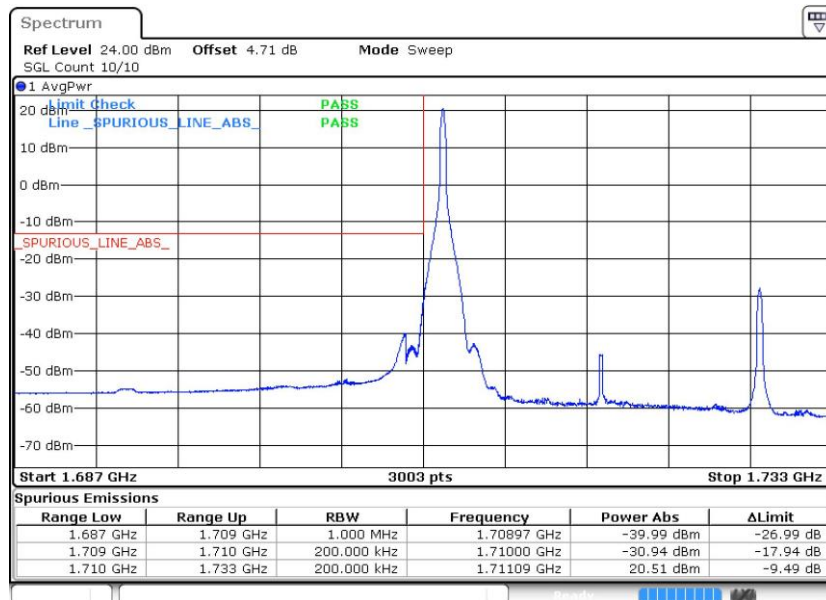
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## Band4-15MHz-QPSK-20325-75RB#0



Date: 18 DEC. 2023 23:00:55

## Band4-20MHz-QPSK-20050-1RB#0



Date: 18 DEC. 2023 23:01:43



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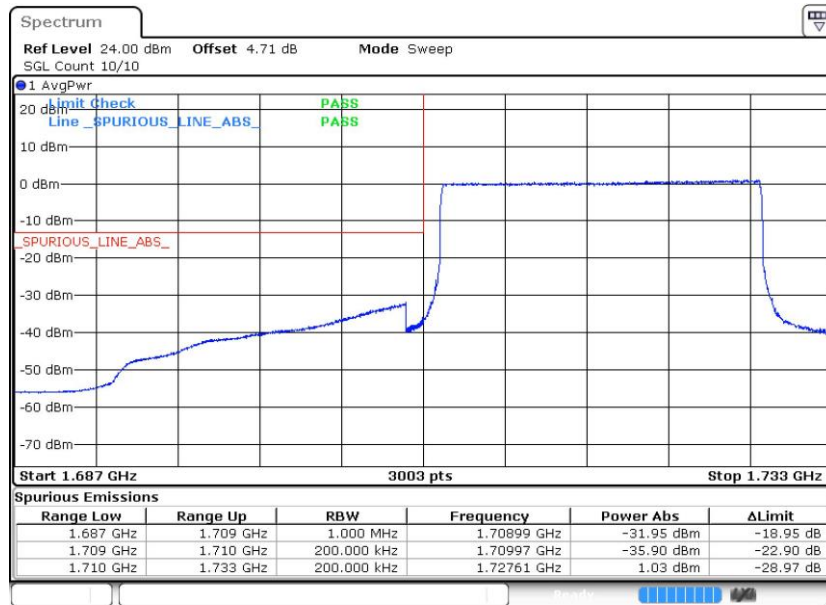




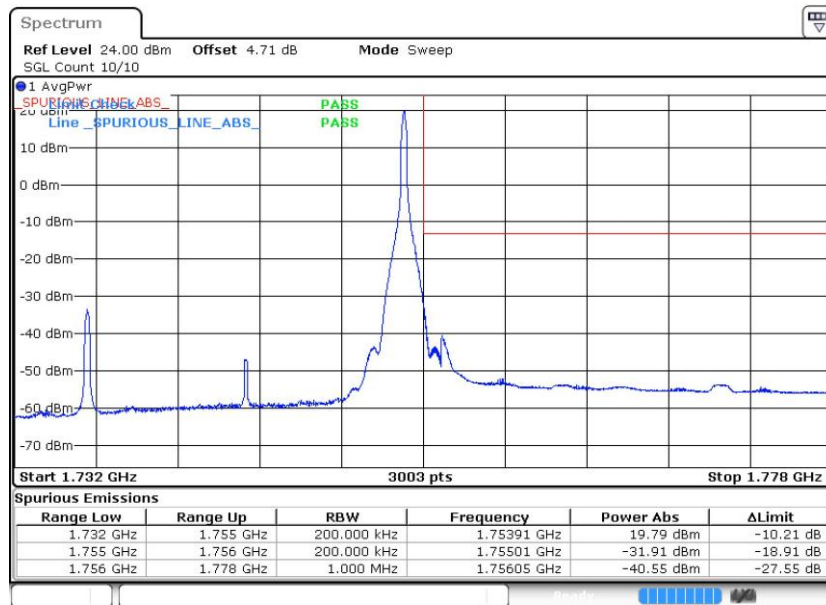
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## Band4-20MHz-QPSK-20050-100RB#0



## Band4-20MHz-QPSK-20300-1RB#99



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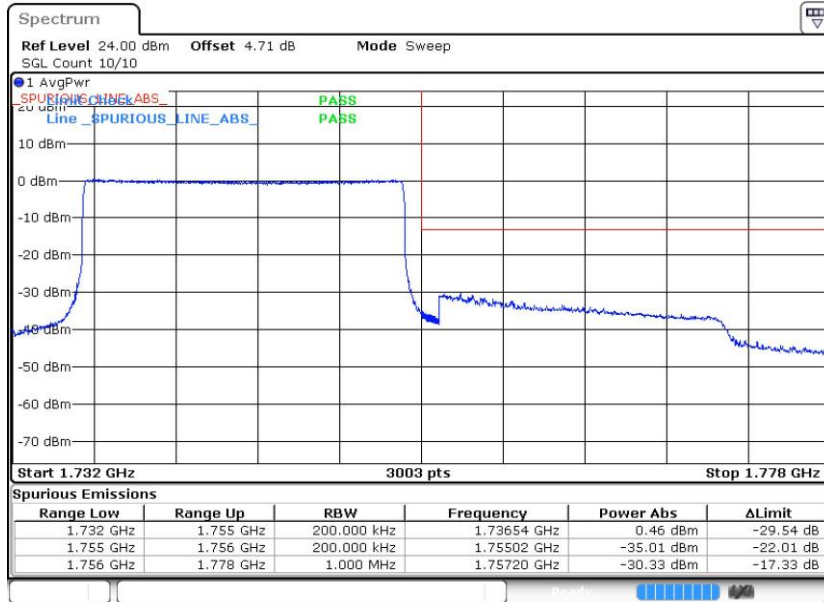
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## Band4-20MHz-QPSK-20300-100RB#0



Date: 18 DEC 2023 23:03:18



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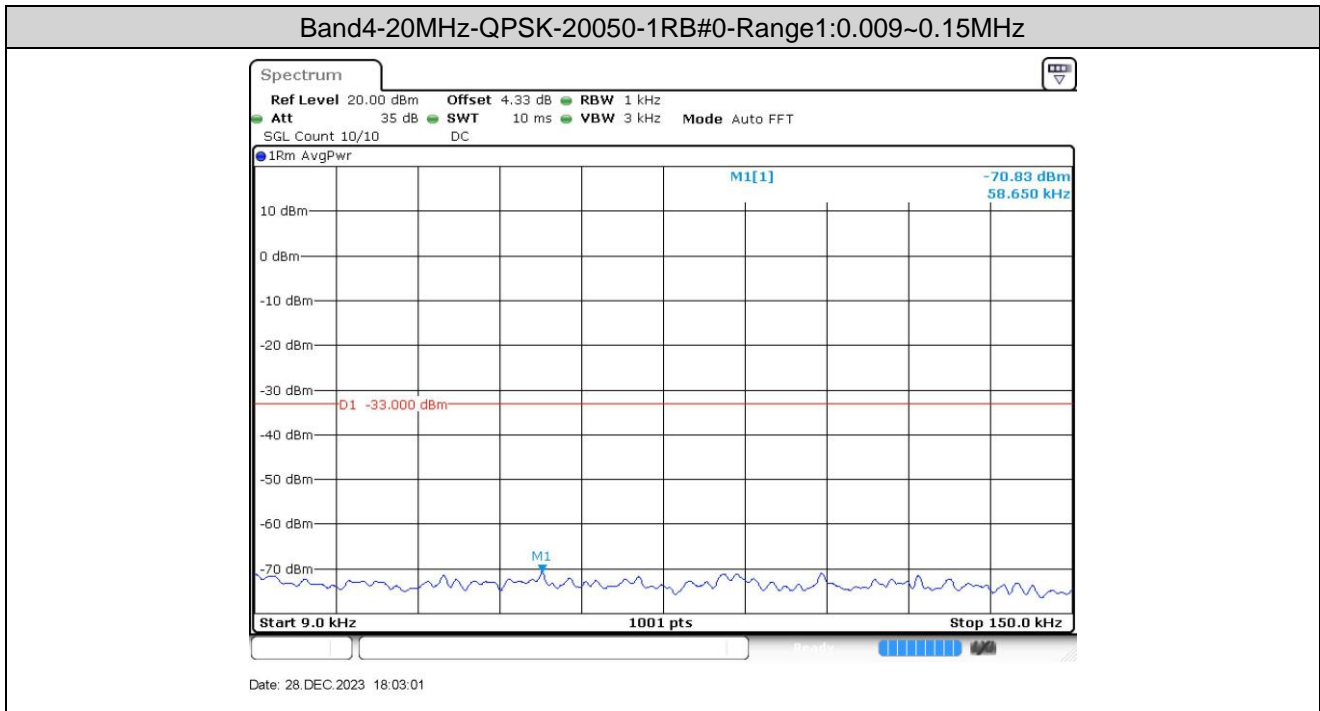


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## Conducted Spurious Emission

### Test Graphs



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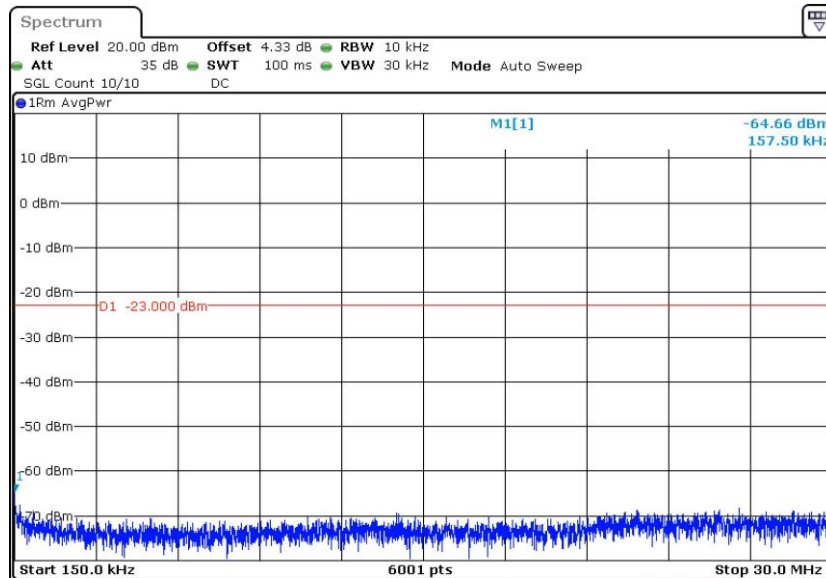
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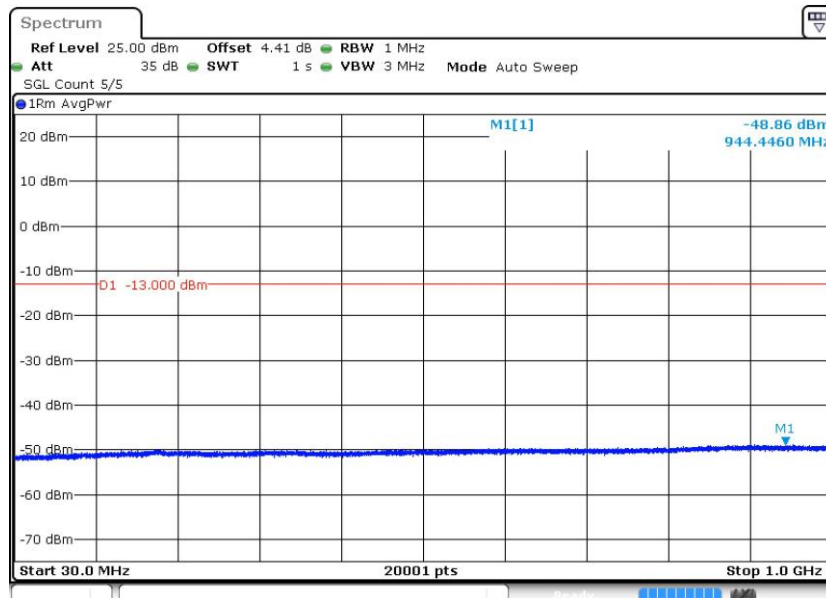
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## Band4-20MHz-QPSK-20050-1RB#0-Range2:0.15~30MHz



Date: 28 DEC. 2023 18:03:05

## Band4-20MHz-QPSK-20050-1RB#0-Range3:30~1000MHz



Date: 28 DEC. 2023 18:03:13



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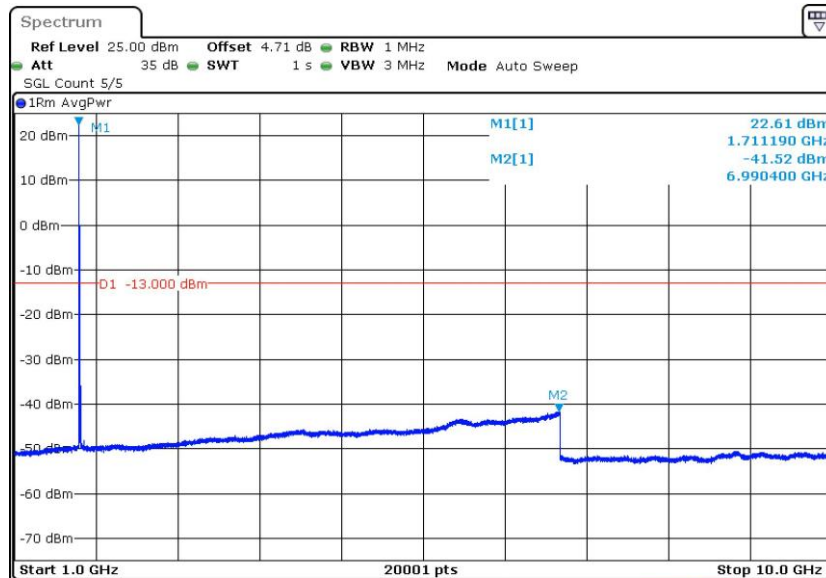




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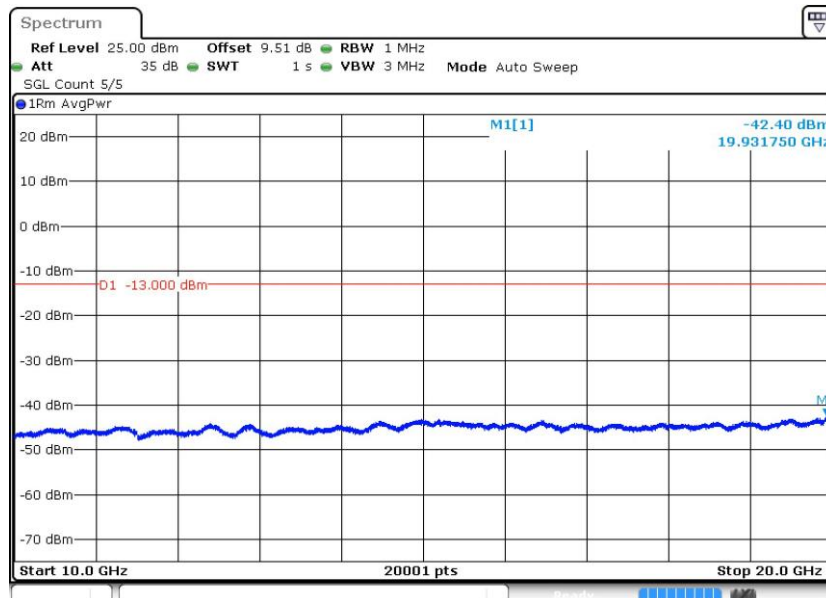
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## Band4-20MHz-QPSK-20050-1RB#0-Range4:1000~10000MHz



Date: 28 DEC. 2023 18:03:23

## Band4-20MHz-QPSK-20050-1RB#0-Range5:10000~20000MHz



Date: 28 DEC. 2023 18:03:31



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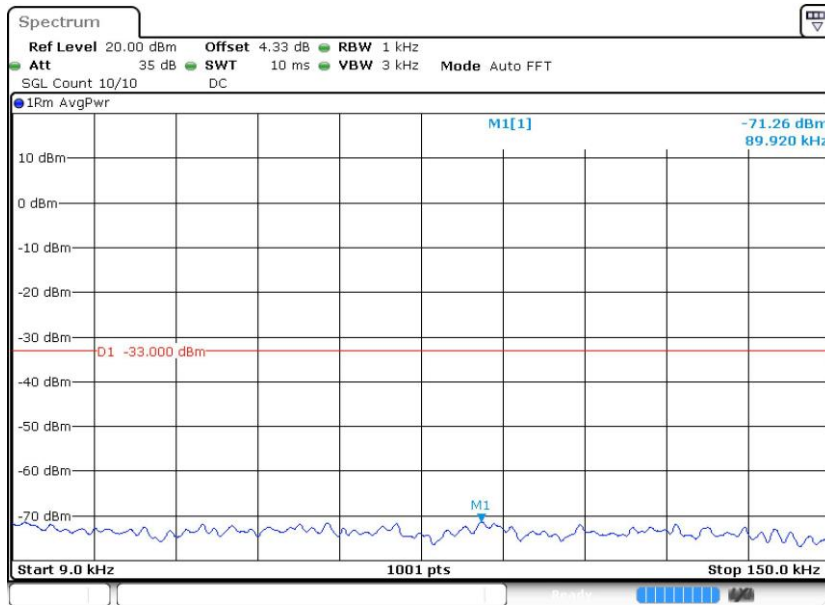
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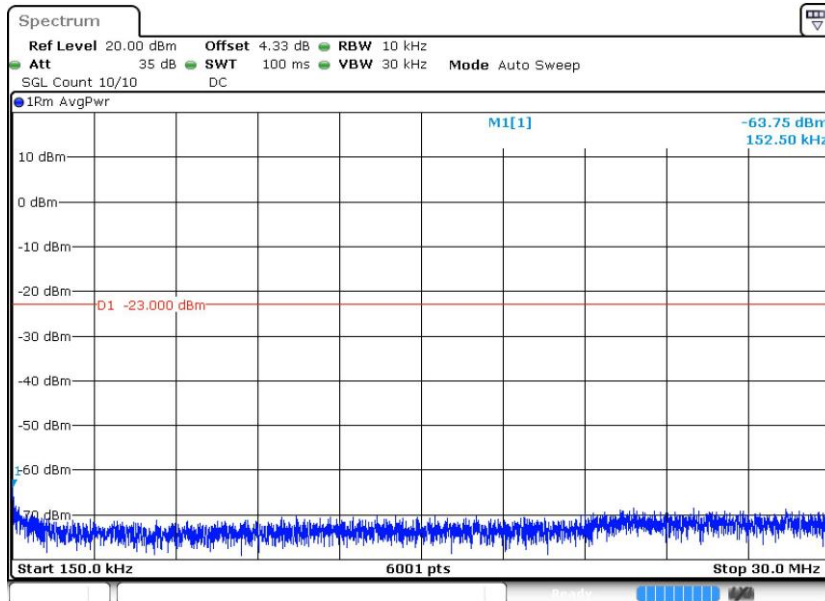
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## Band4-20MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz



Date: 28 DEC. 2023 18:03:44

## Band4-20MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz



Date: 28 DEC. 2023 18:03:49



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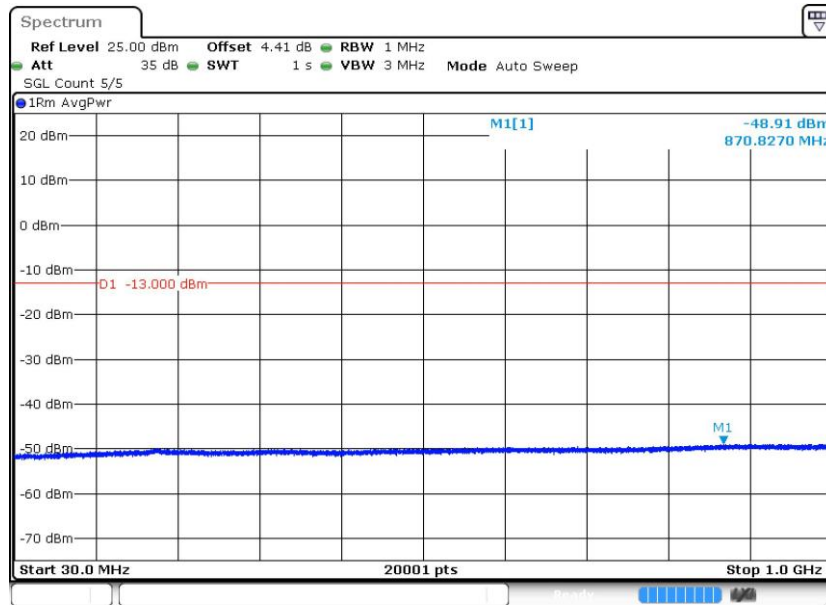
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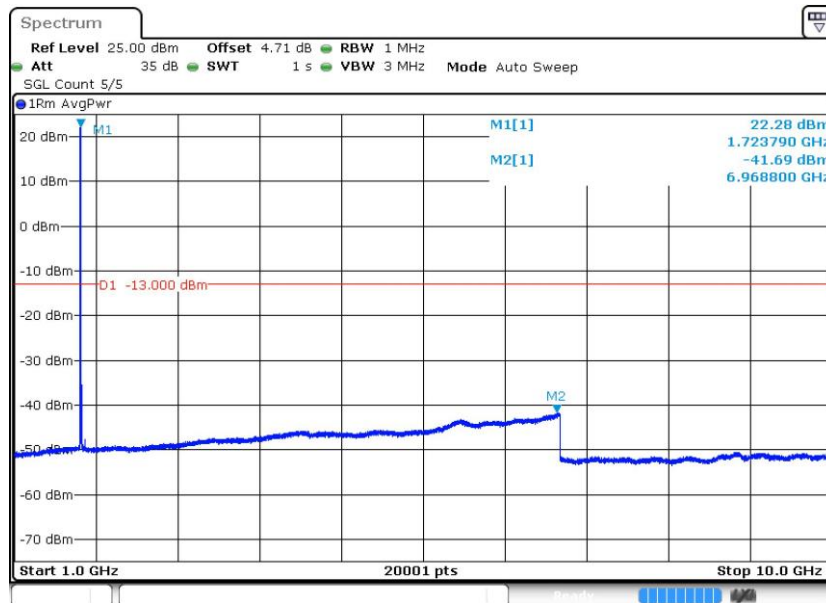
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## Band4-20MHz-QPSK-20175-1RB#0-Range3:30~1000MHz



Date: 28 DEC. 2023 18:03:57

## Band4-20MHz-QPSK-20175-1RB#0-Range4:1000~10000MHz



Date: 28 DEC. 2023 18:04:06



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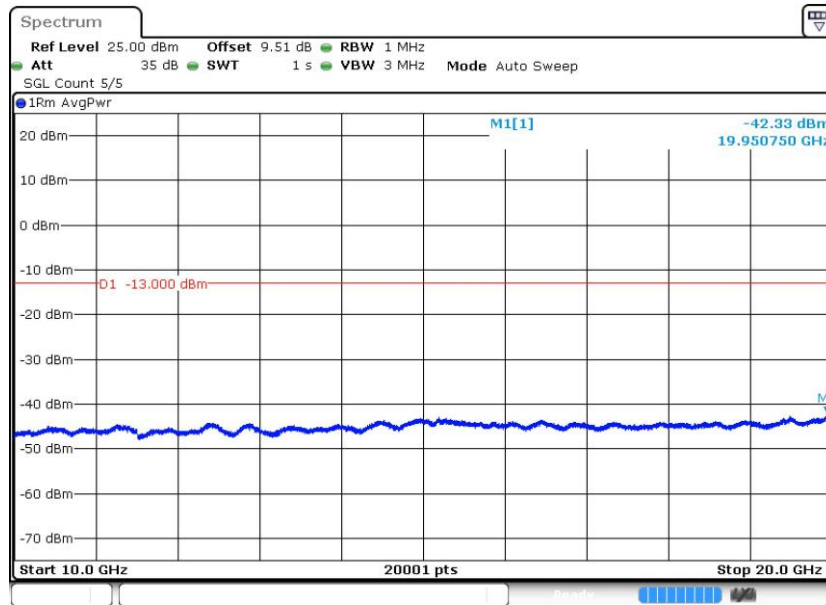
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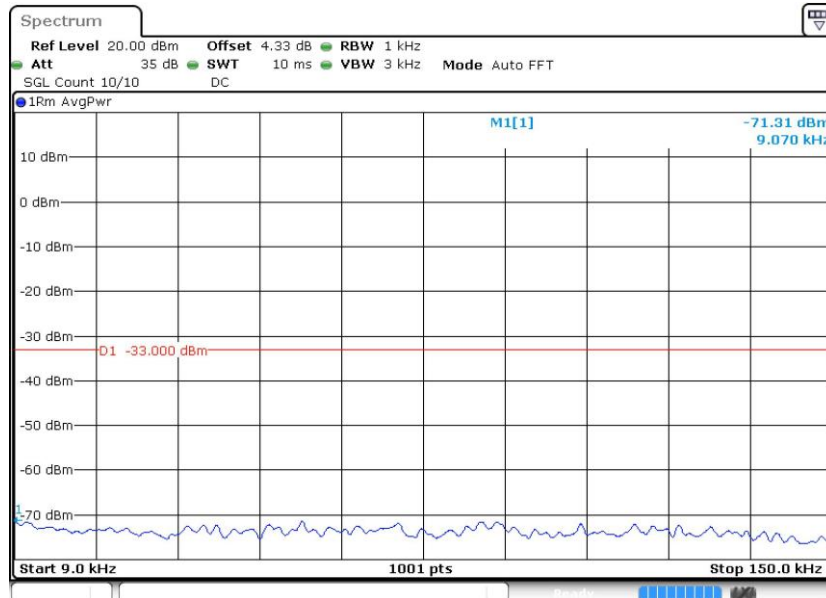
Report No.: ZEWA2312000155RG01  
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## Band4-20MHz-QPSK-20175-1RB#0-Range5:10000~20000MHz



Date: 28.DEC.2023 18:04:15

## Band4-20MHz-QPSK-20300-1RB#0-Range1:0.009~0.15MHz



Date: 28.DEC.2023 18:04:28



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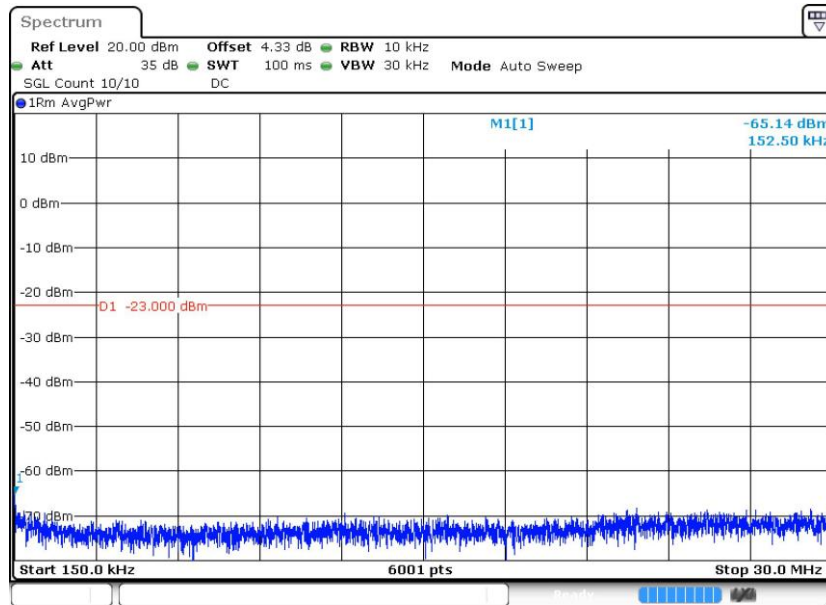




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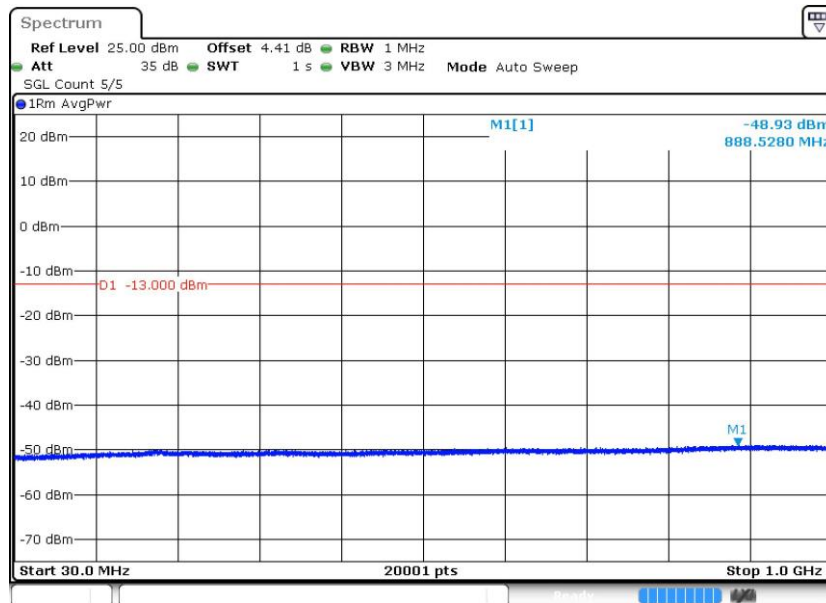
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## Band4-20MHz-QPSK-20300-1RB#0-Range2:0.15~30MHz



Date: 28 DEC. 2023 18:04:32

## Band4-20MHz-QPSK-20300-1RB#0-Range3:30~1000MHz



Date: 28 DEC. 2023 18:04:41



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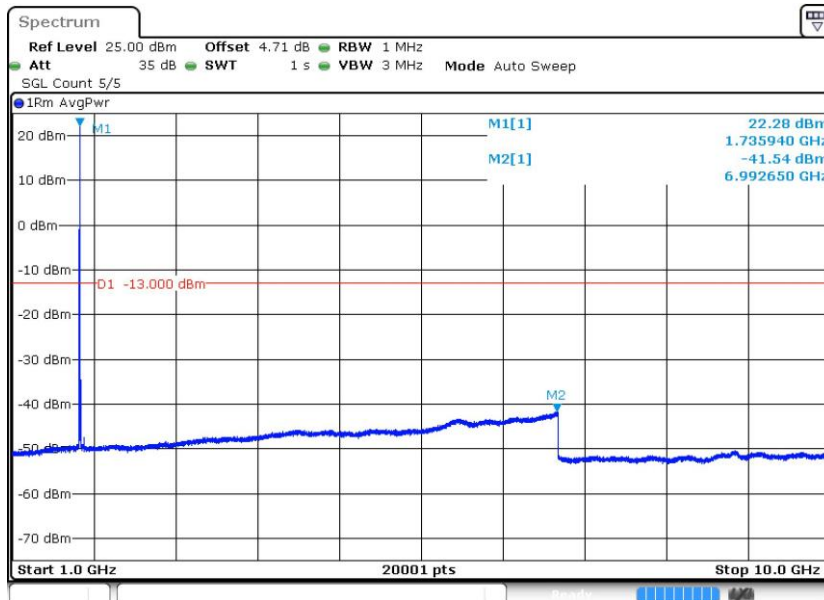
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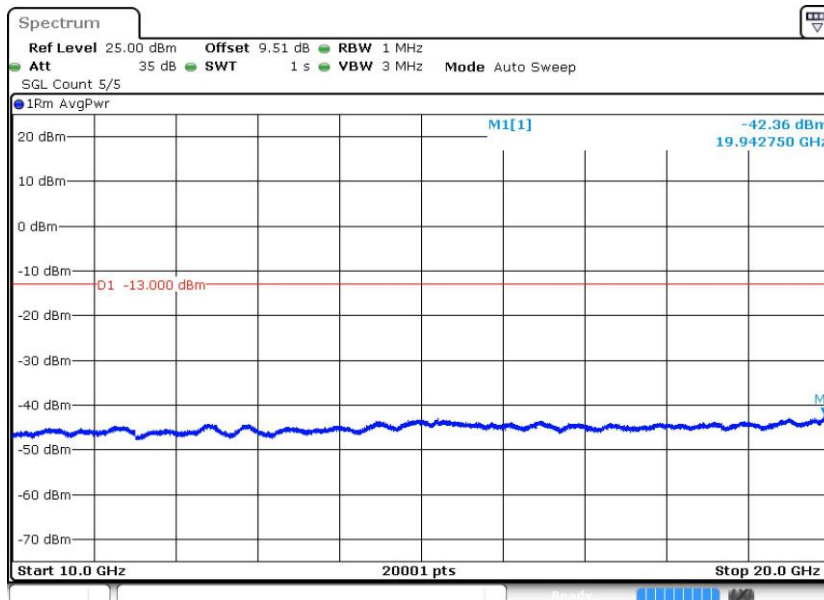
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## Band4-20MHz-QPSK-20300-1RB#0-Range4:1000~10000MHz



Date: 28 DEC. 2023 18:04:50

## Band4-20MHz-QPSK-20300-1RB#0-Range5:10000~20000MHz



Date: 28 DEC. 2023 18:04:58



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## Field Strength of Spurious Radiation

Test Band = B4\_ TM1

Test Channel = Low channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.0000	45.50	28.68	-47.01	-68.09	-13.00	55.09	Horizontal
2	5133.0000	44.77	31.72	-47.02	-65.79	-13.00	52.79	Horizontal
3	6844.0000	44.24	35.43	-46.12	-61.71	-13.00	48.71	Horizontal
4	8555.0000	41.53	36.14	-43.31	-60.90	-13.00	47.90	Horizontal
5	10266.0000	38.31	38.72	-40.54	-58.77	-13.00	45.77	Horizontal
6	11977.0000	37.10	39.80	-38.68	-57.04	-13.00	44.04	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.0000	45.15	28.68	-47.01	-68.44	-13.00	55.44	Vertical
2	5133.0000	46.35	31.72	-47.02	-64.21	-13.00	51.21	Vertical
3	6844.0000	45.28	35.43	-46.12	-60.67	-13.00	47.67	Vertical
4	8555.0000	41.75	36.14	-43.31	-60.68	-13.00	47.68	Vertical
5	10266.0000	37.79	38.72	-40.54	-59.29	-13.00	46.29	Vertical
6	11977.0000	37.21	39.80	-38.68	-56.93	-13.00	43.93	Vertical



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**Test Band = B4\_ TM1**  
**Test Channel = Mid channel**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447.0000	44.86	28.69	-46.98	-68.69	-13.00	55.69	Horizontal
2	5170.5000	44.63	31.81	-46.96	-65.78	-13.00	52.78	Horizontal
3	6894.0000	43.66	35.55	-46.10	-62.15	-13.00	49.15	Horizontal
4	8617.5000	41.09	36.14	-43.18	-61.21	-13.00	48.21	Horizontal
5	10341.0000	38.60	38.81	-40.30	-58.15	-13.00	45.15	Horizontal
6	12064.5000	36.86	39.79	-38.68	-57.29	-13.00	44.29	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3447.0000	44.90	28.69	-46.98	-68.65	-13.00	55.65	Vertical
2	5170.5000	45.90	31.81	-46.96	-64.51	-13.00	51.51	Vertical
3	6894.0000	44.10	35.55	-46.10	-61.71	-13.00	48.71	Vertical
4	8617.5000	41.49	36.14	-43.18	-60.81	-13.00	47.81	Vertical
5	10341.0000	38.69	38.81	-40.30	-58.06	-13.00	45.06	Vertical
6	12064.5000	37.22	39.79	-38.68	-56.93	-13.00	43.93	Vertical



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**Test Band = B4\_ TM1**  
**Test Channel = High channel**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.0000	44.50	28.69	-46.95	-69.02	-13.00	56.02	Horizontal
2	5208.0000	44.65	31.90	-46.94	-65.65	-13.00	52.65	Horizontal
3	6944.0000	43.84	35.67	-45.94	-61.69	-13.00	48.69	Horizontal
4	8680.0000	41.10	36.13	-43.17	-61.20	-13.00	48.20	Horizontal
5	10416.0000	38.19	38.90	-40.46	-58.63	-13.00	45.63	Horizontal
6	12152.0000	37.22	39.78	-38.85	-57.11	-13.00	44.11	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.0000	44.60	28.69	-46.95	-68.92	-13.00	55.92	Vertical
2	5208.0000	44.42	31.90	-46.94	-65.88	-13.00	52.88	Vertical
3	6944.0000	43.70	35.67	-45.94	-61.83	-13.00	48.83	Vertical
4	8680.0000	41.21	36.13	-43.17	-61.09	-13.00	48.09	Vertical
5	10416.0000	38.48	38.90	-40.46	-58.34	-13.00	45.34	Vertical
6	12152.0000	36.69	39.78	-38.85	-57.64	-13.00	44.64	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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## Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	2.70	0.001558	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	0.70	0.000404	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	2.70	0.001558	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	0.00	0.000000	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	0.40	0.000231	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	0.80	0.000462	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	1.70	0.000981	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-0.60	-0.000346	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	0.80	0.000462	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	0.90	0.000519	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-0.40	-0.000231	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	-0.10	-0.000058	PASS

---End of Attachment---



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