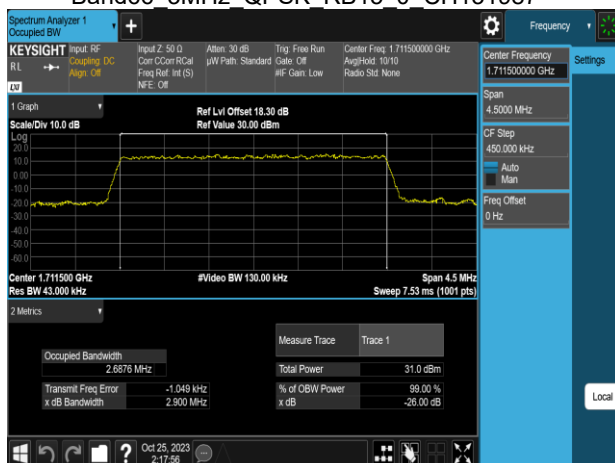
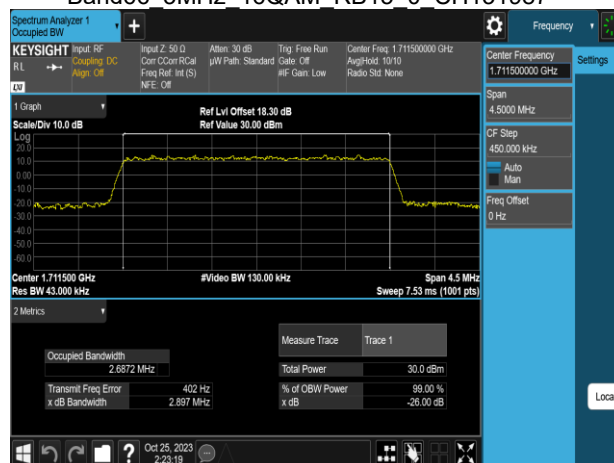


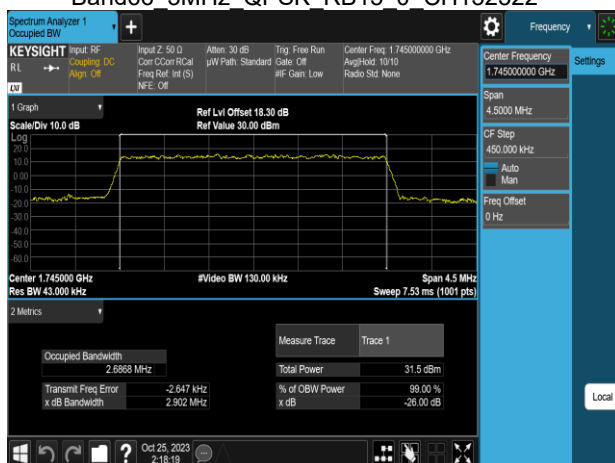
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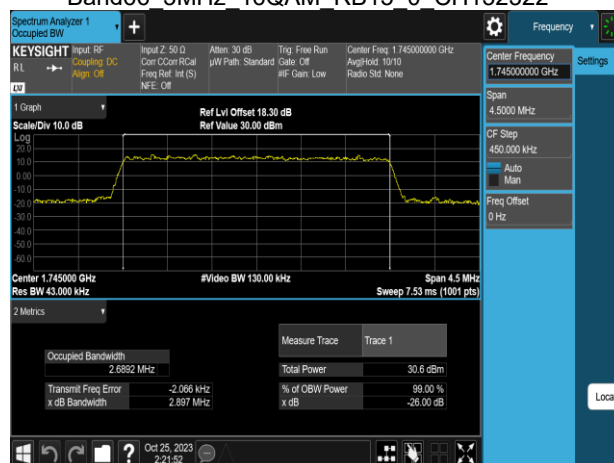
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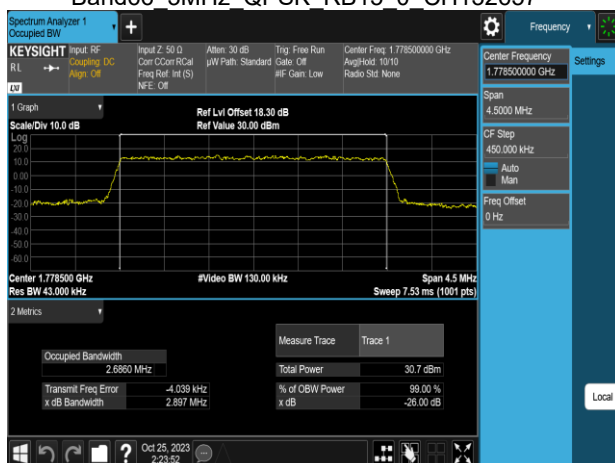
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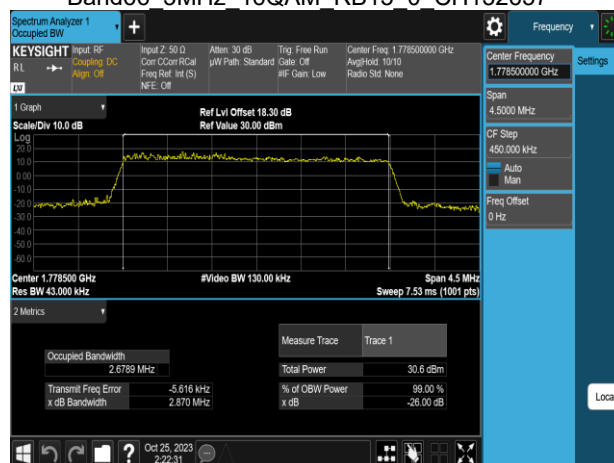
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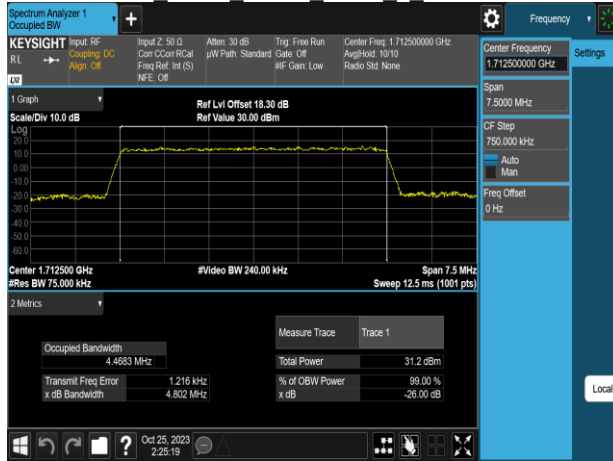
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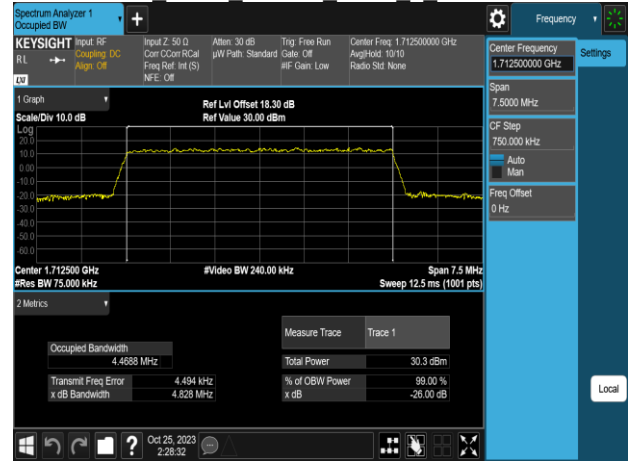
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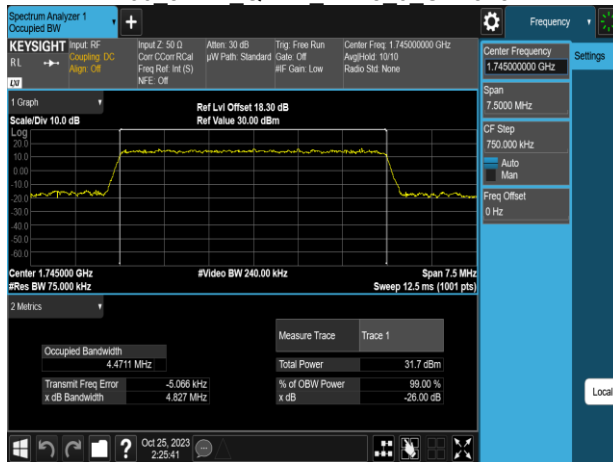
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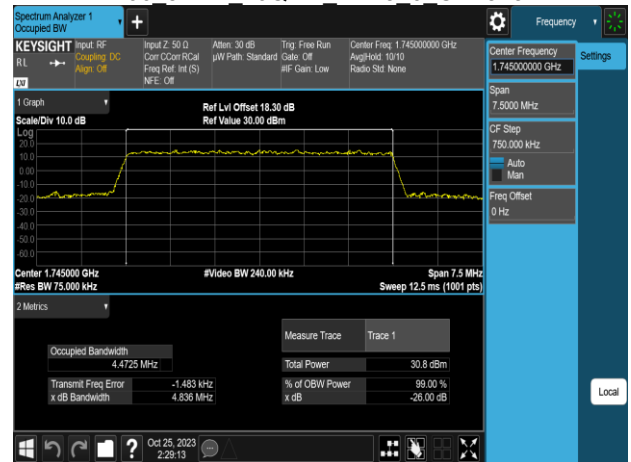
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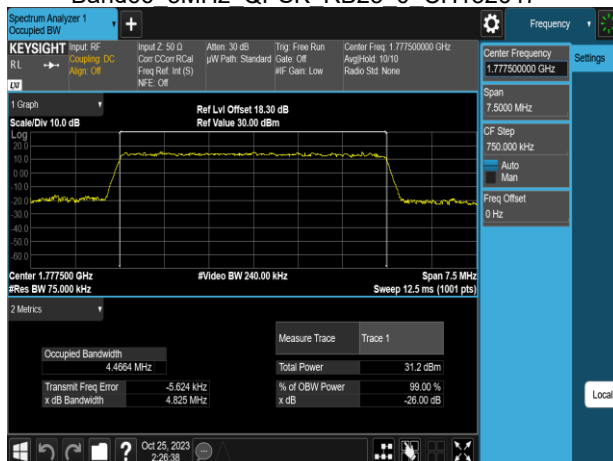
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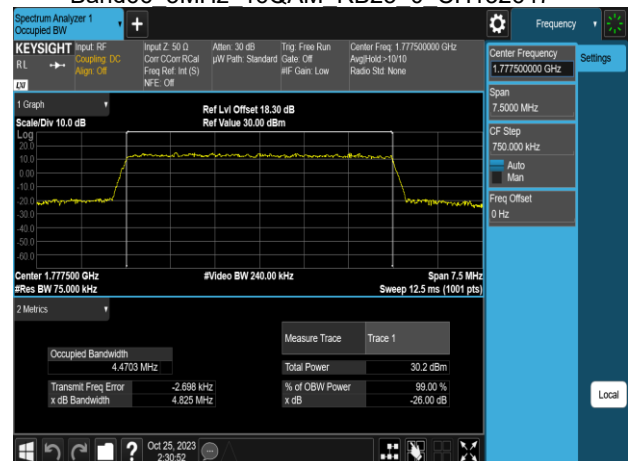
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Band66 5MHz QPSK RB25_0 CH132647



Band66 5MHz 16QAM RB25_0 CH132647

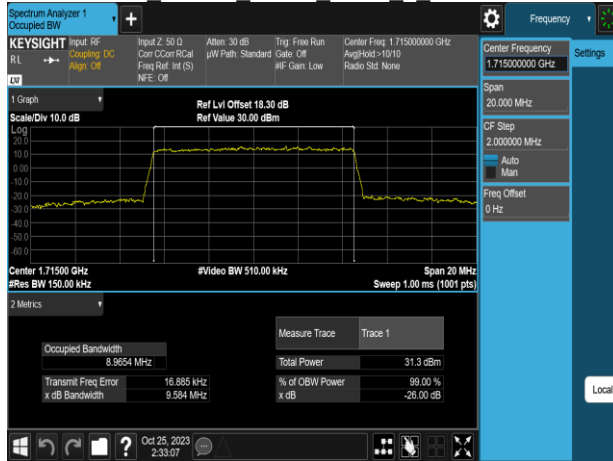




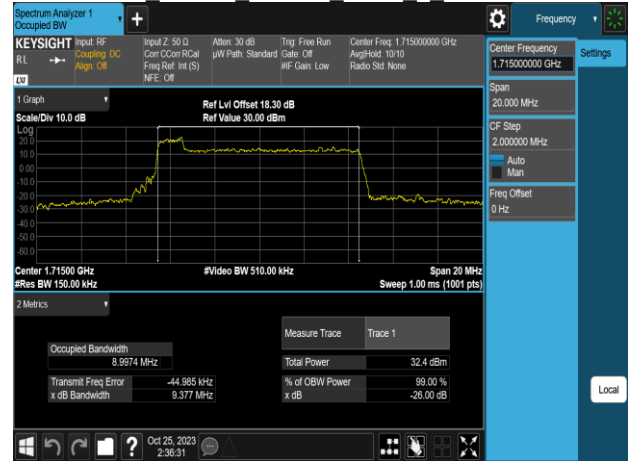
Report No.: TMWK2310003861KR

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Band66 10MHz QPSK RB50 0 CH132022



Band66 10MHz 16QAM RB50 0 CH132022



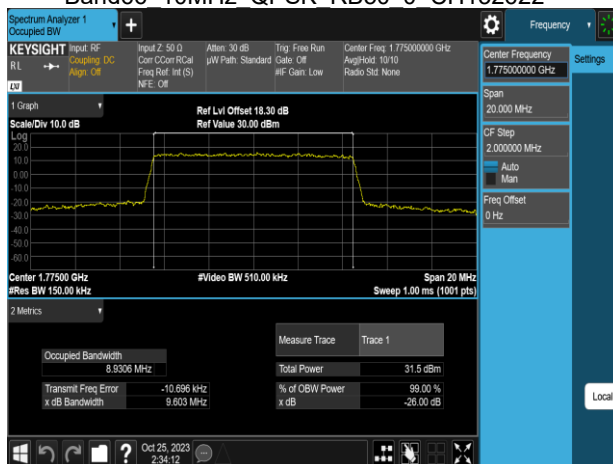
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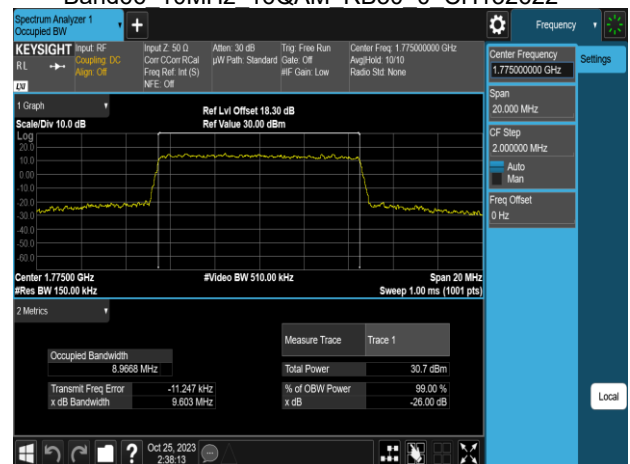
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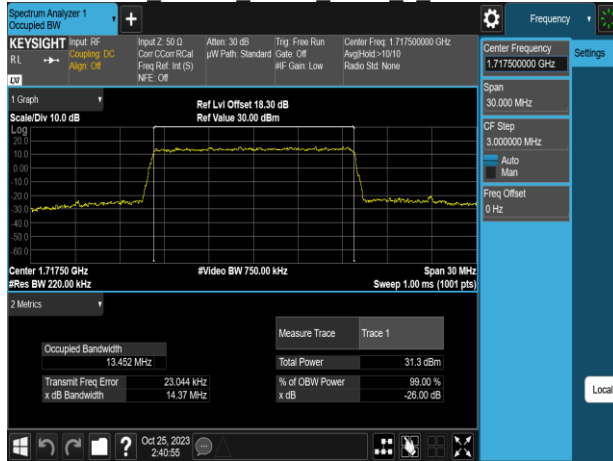
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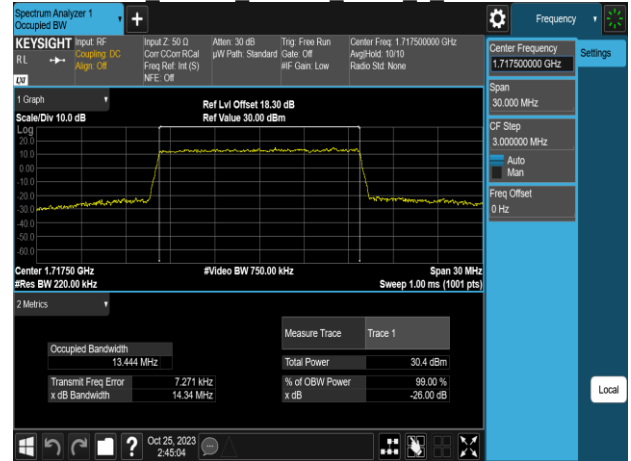
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Band66 15MHz QPSK RB75 0 CH132047



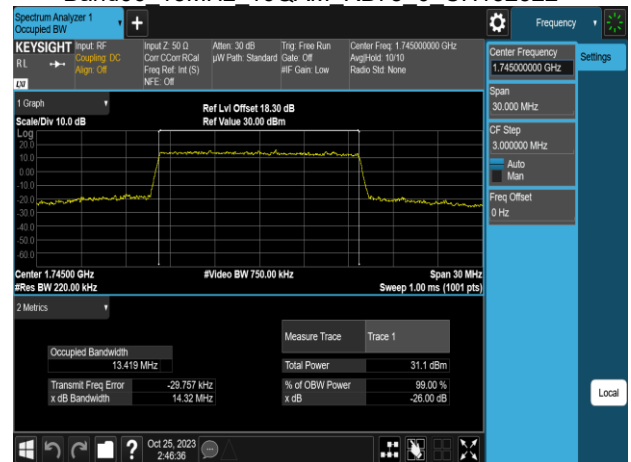
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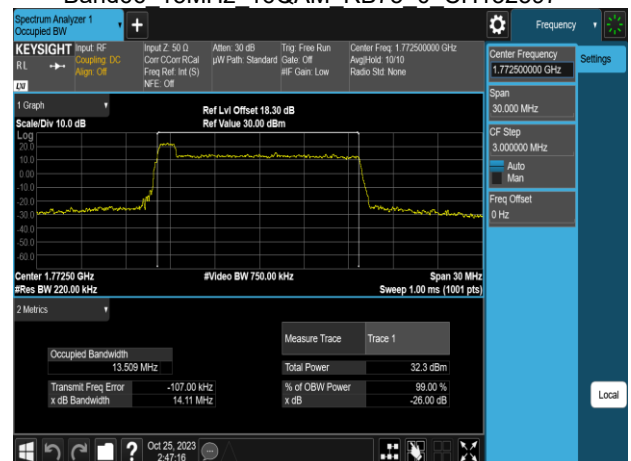
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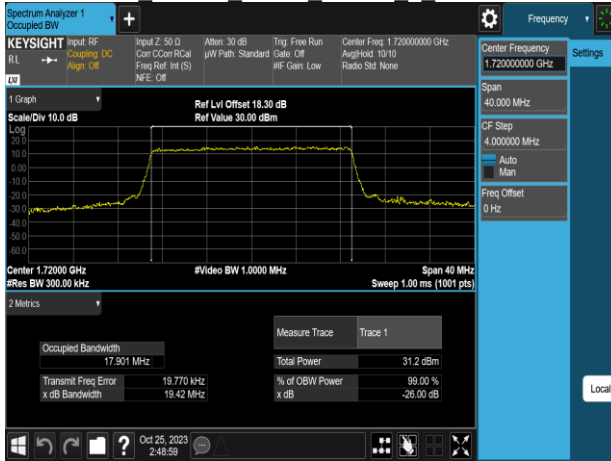
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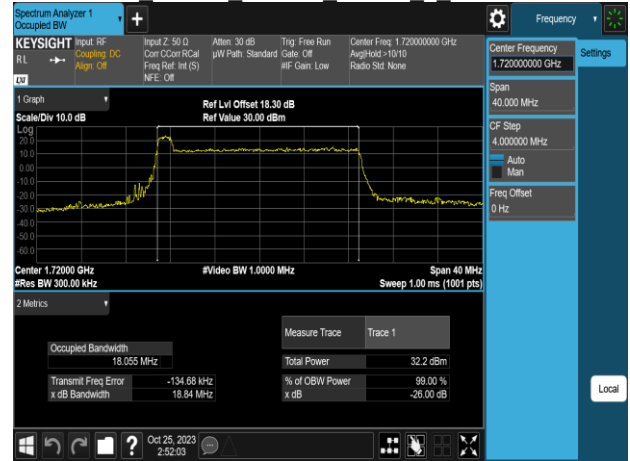
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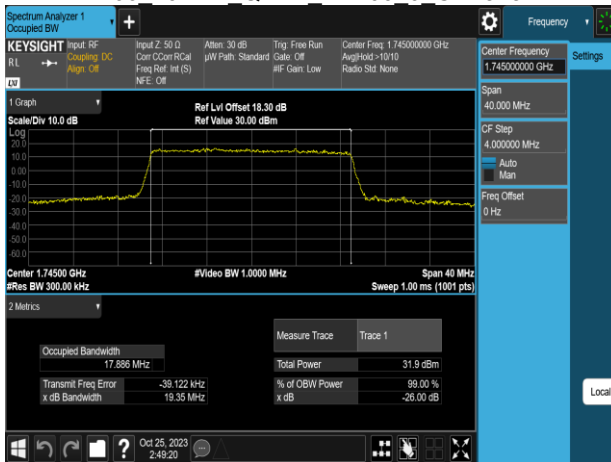
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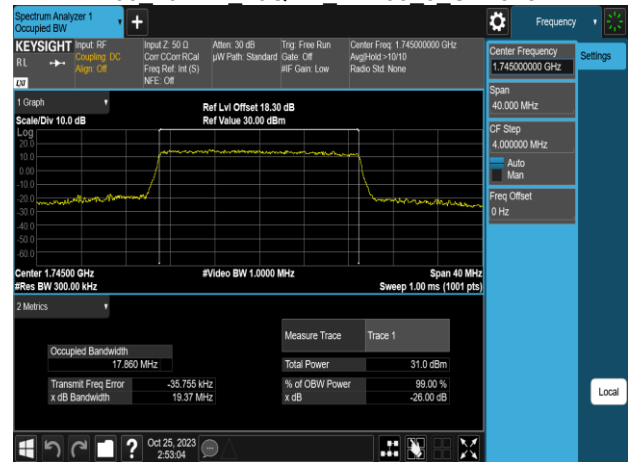
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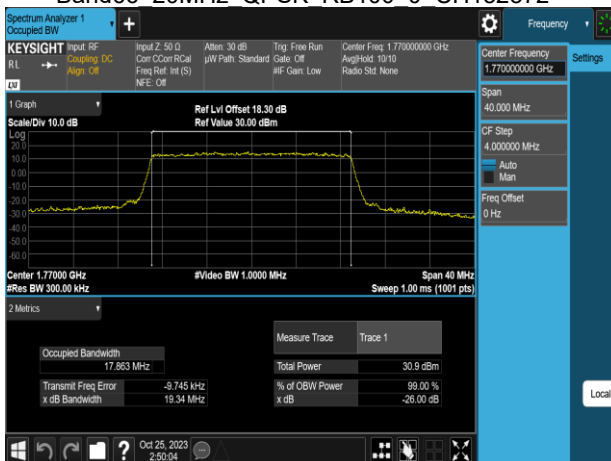
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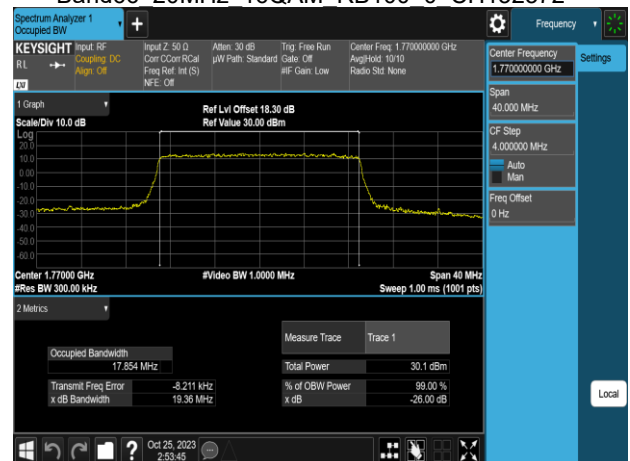
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Band66 20MHz QPSK RB100 0 CH132572



Band66 20MHz 16QAM RB100 0 CH132572



8.4 PEAK TO AVERAGE RATIO

LIMIT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

TEST PROCEDURES

1. According to KDB 971168 D01,
2. The EUT was connect to spectrum analyzer and call box.
3. Set the CCDF function in spectrum analyzer.
4. The highest RF output power were measured and recorded the maximum PAPR level associated with a probability of 0.1%.
5. Record the Peak to Average Power Ratio.

Note: We selected worst case to performed test in middle channel, the results can be meet other channel.

TEST RESULTS

Compliance

Temperature: 22.3 ~ 25.6°C

Test date: October 24 ~ 27, 2023

Humidity: 55 ~ 57% RH

Tested by: Marco Chan

LTE Band 2

LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1850.7	18607	5.65	13	1851.5	18615	5.98	13
1880.0	18900	6.01	13	1880.0	18900	6.45	13
1909.3	19193	6.06	13	1908.5	19185	6.35	13

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1852.5	18625	5.86	13	1855.0	18650	6.00	13
1880.0	18900	6.13	13	1880.0	18900	6.30	13
1907.5	19175	6.17	13	1905.0	19150	6.31	13

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1857.5	18675	6.01	13	1860.0	18700	6.17	13
1880.0	18900	6.09	13	1880.0	18900	6.19	13
1902.5	19125	5.99	13	1900.0	19100	6.00	13

LTE Band 4

LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1710.7	19957	5.58	13	1711.5	19965	6.00	13
1732.5	20175	6.37	13	1732.5	20175	6.37	13
1754.3	20393	6.21	13	1753.5	20385	6.19	13

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1712.5	19975	5.73	13	1715.0	20000	6.20	13
1732.5	20175	6.11	13	1732.5	20175	6.27	13
1752.5	20375	6.00	13	1750.0	20350	6.11	13

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1717.5	20025	6.18	13	1720.0	20050	6.16	13
1732.5	20175	6.18	13	1732.5	20175	6.08	13
1747.5	20325	6.02	13	1745.0	20300	5.73	13

LTE Band 5

LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
824.7	20407	6.42	13	825.5	20415	6.60	13
836.5	20525	5.90	13	836.5	20525	5.94	13
848.3	20643	6.78	13	847.5	20635	6.98	13

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
826.5	20425	6.29	13	829.0	20450	6.17	13
836.5	20525	5.91	13	836.5	20525	6.10	13
846.5	20625	6.62	13	844.0	20600	6.49	13

LTE Band 7

LTE BAND 7							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2502.5	20775	5.92	13	2505.0	20800	6.11	13
2535.0	21100	6.10	13	2535.0	21100	6.32	13
2567.5	21375	5.91	13	2565.0	21350	5.75	13

LTE BAND 7							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2507.5	20825	6.11	13	2510	20850	6.02	13
2535.0	21100	6.12	13	2535	21100	6.07	13
2562.5	21375	6.01	13	2560	21350	5.84	13

LTE Band 40

LTE BAND 40							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
2307.5	38725	9.90	13	2310.0	37850	6.36	13
2310.0	38750	9.93	13	2355.0	39200	8.28	13
2312.5	38775	11.14	13				
2352.5	39175	9.29	13				
2355.0	39200	10.84	13				
2357.5	39225	8.70	13				

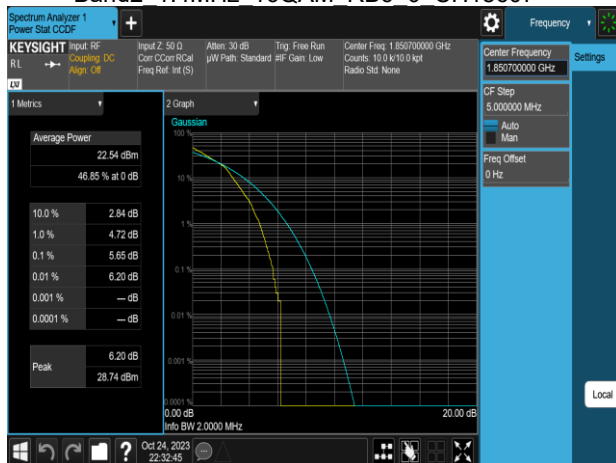
LTE Band 66

LTE BAND 66							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1710.7	131979	5.77	13	1711.5	131987	6.14	13
1745.0	132322	5.34	13	1745.0	132322	5.89	13
1779.3	132665	5.66	13	1778.5	132657	5.92	13

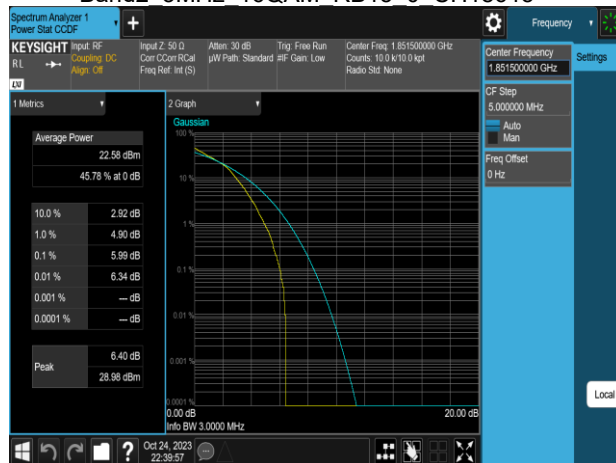
LTE BAND 66							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1712.5	131997	5.82	13	1715.0	132022	6.12	13
1745.0	132322	5.53	13	1745.0	132322	5.96	13
1777.5	132647	6.02	13	1775.0	132622	6.11	13

LTE BAND 66							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1717.5	132047	5.96	13	1720.0	132072	6.39	13
1745.0	132322	5.89	13	1745.0	132322	6.01	13
1772.5	132597	5.99	13	1770.0	132572	5.93	13

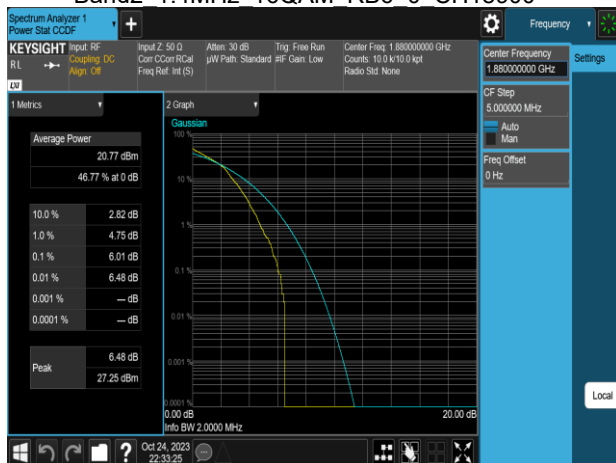
Band2 1.4MHz 16QAM RB6 0 CH18607



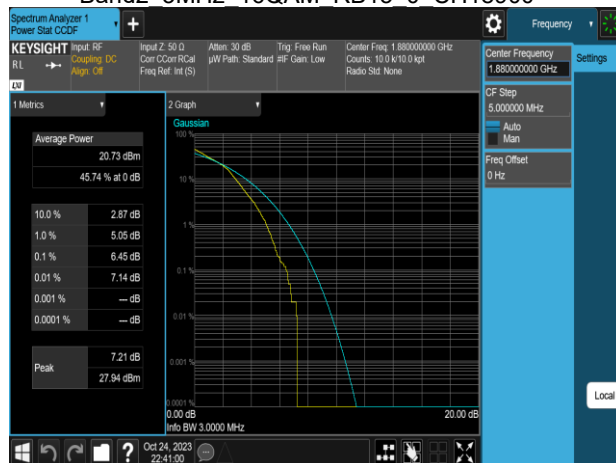
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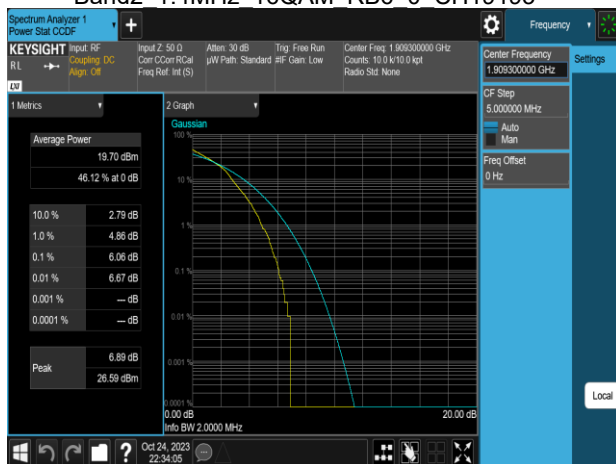
Band2 1.4MHz 16QAM RB6 0 CH18900



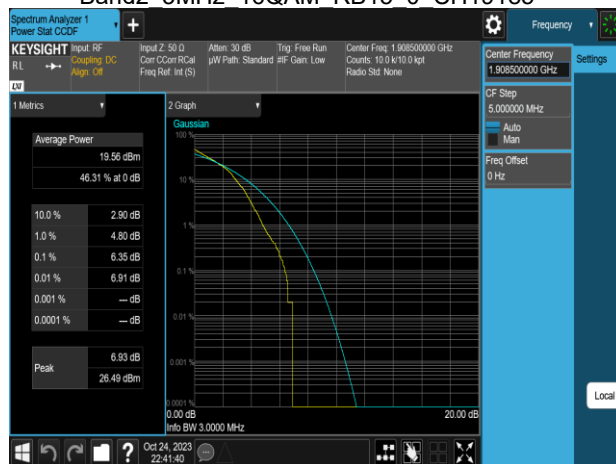
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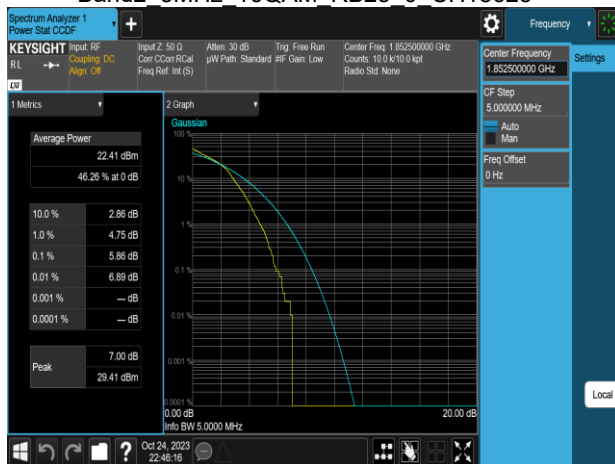
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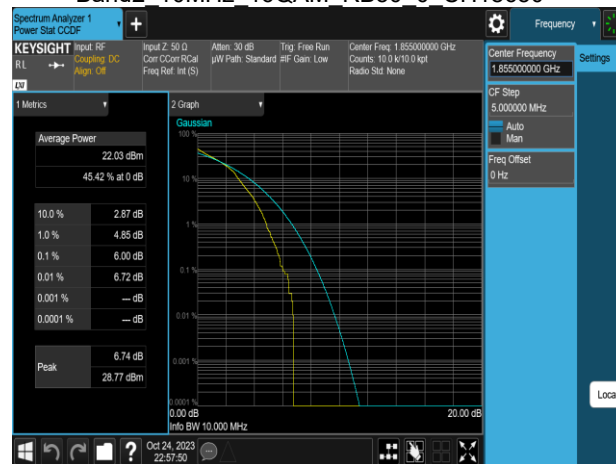
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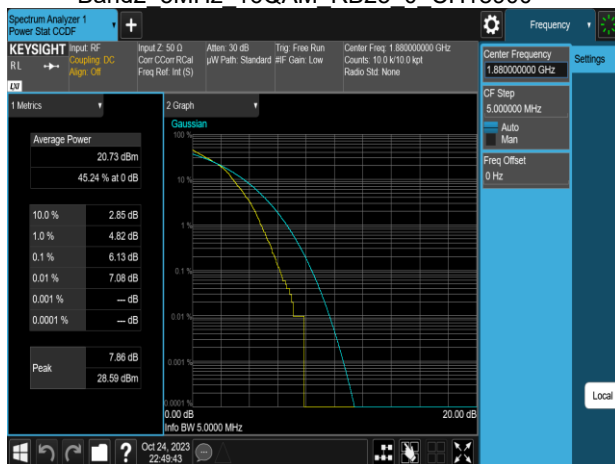
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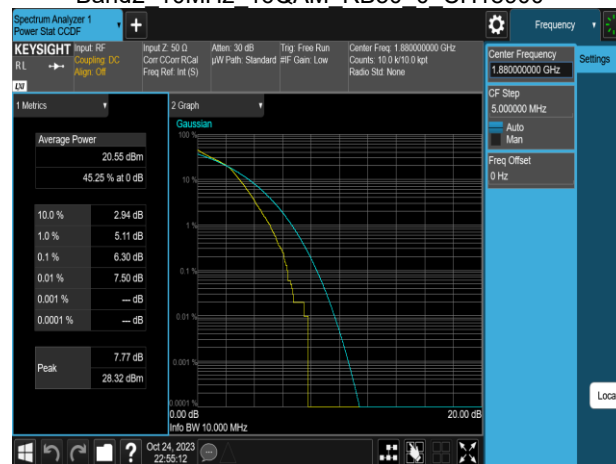
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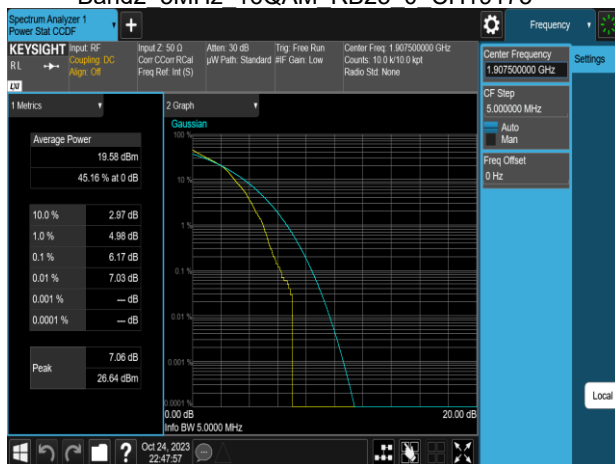
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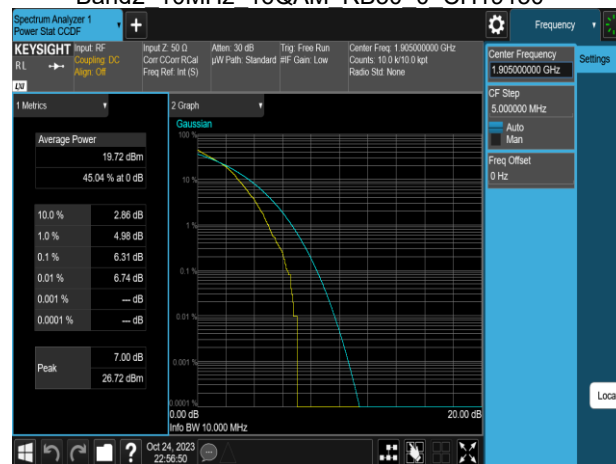
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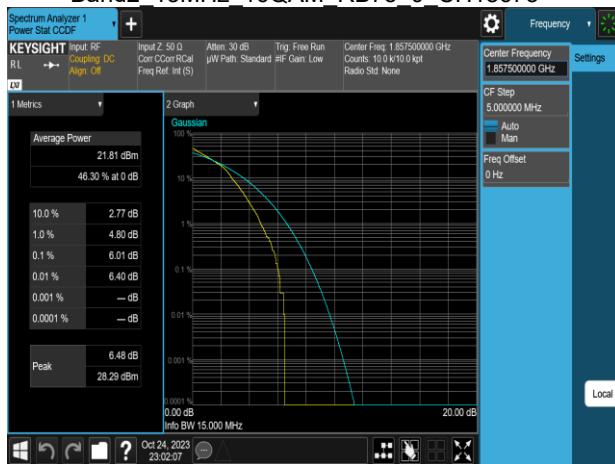
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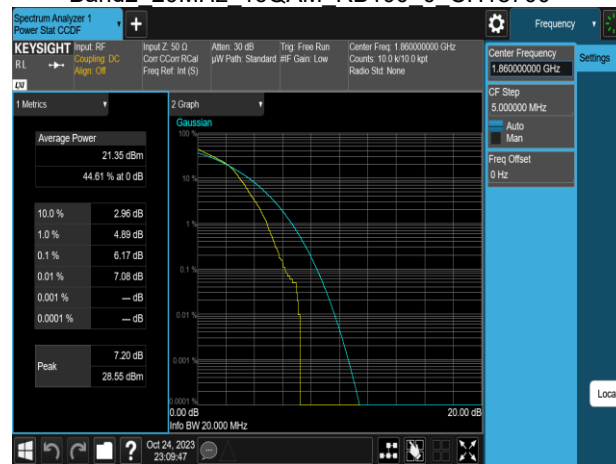
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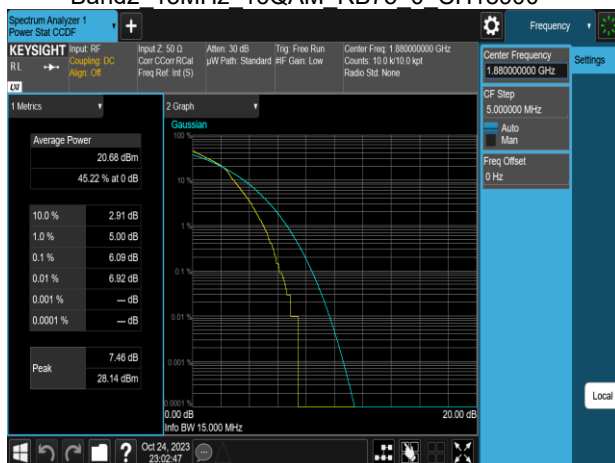
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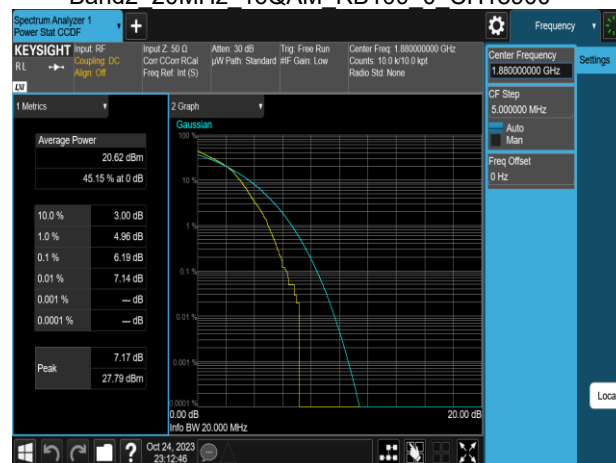
Band2 20MHz 16QAM RB100 0 CH18700



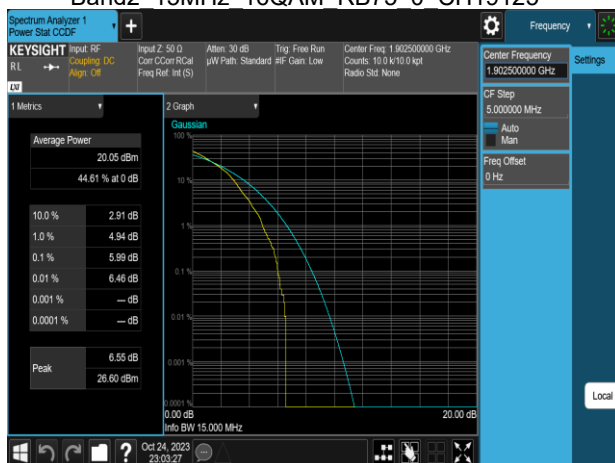
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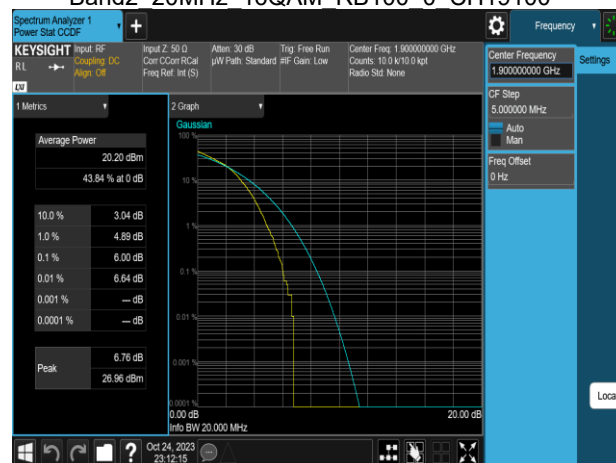
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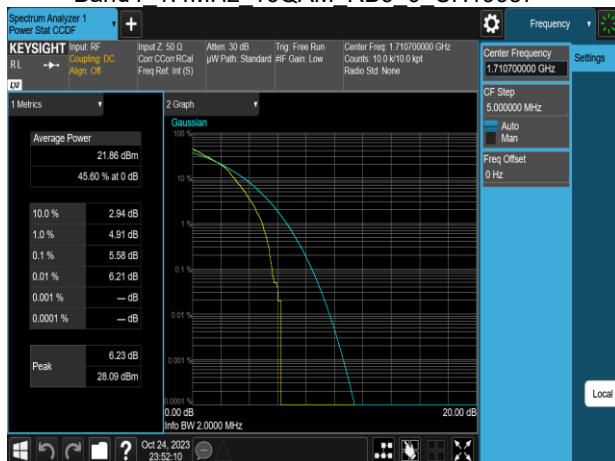
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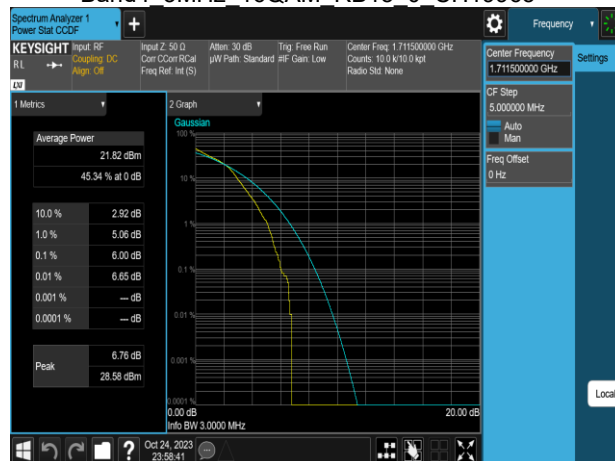
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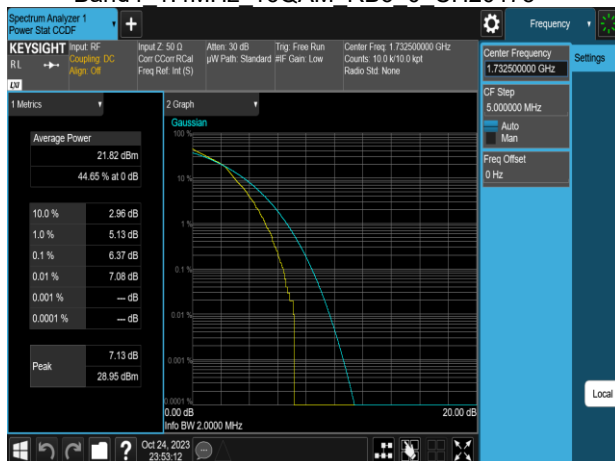
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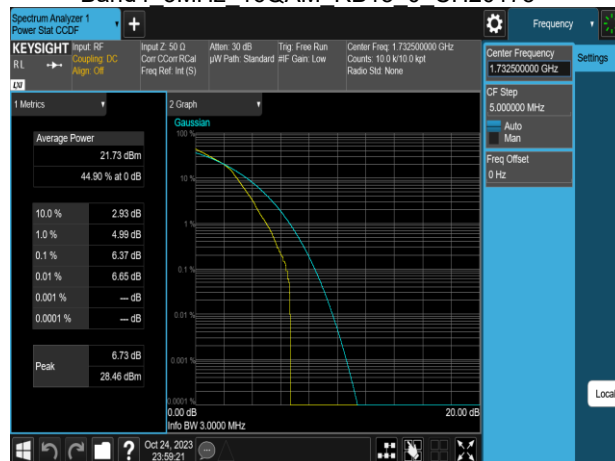
Band4 3MHz 16QAM RB15 0 CH19965



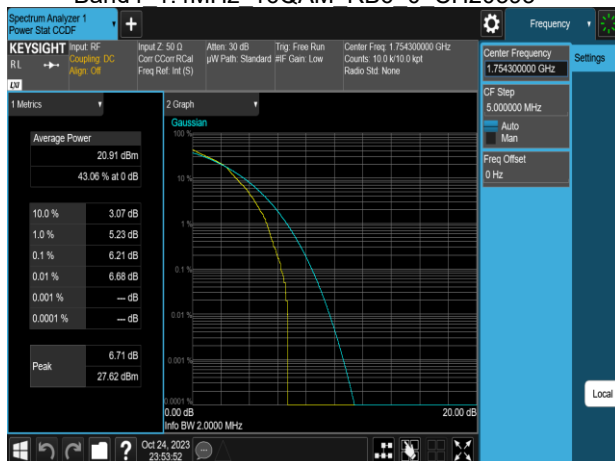
Band4 1.4MHz 16QAM RB6 0 CH20175



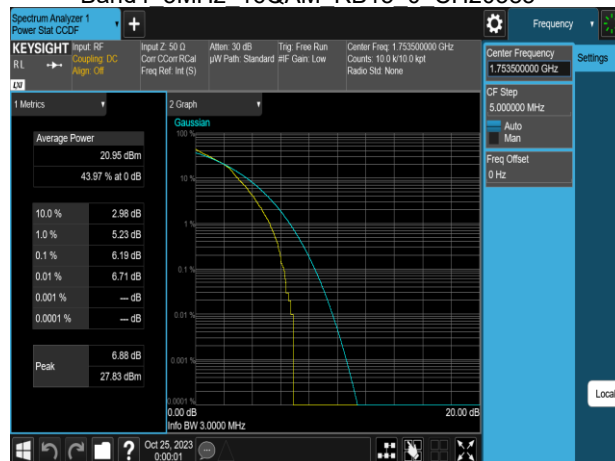
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Band4 1.4MHz 16QAM RB6 0 CH20393



Band4 3MHz 16QAM RB15 0 CH20385



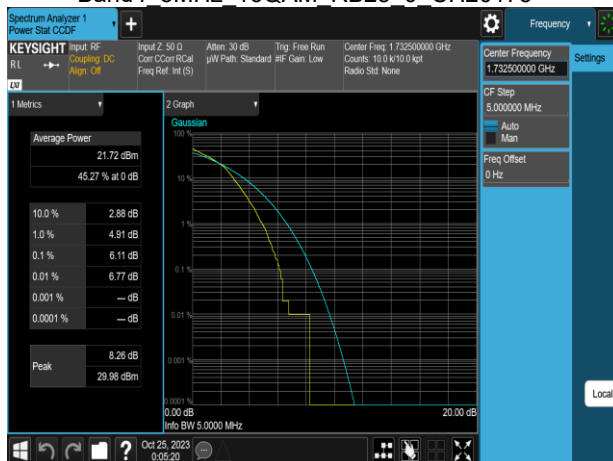
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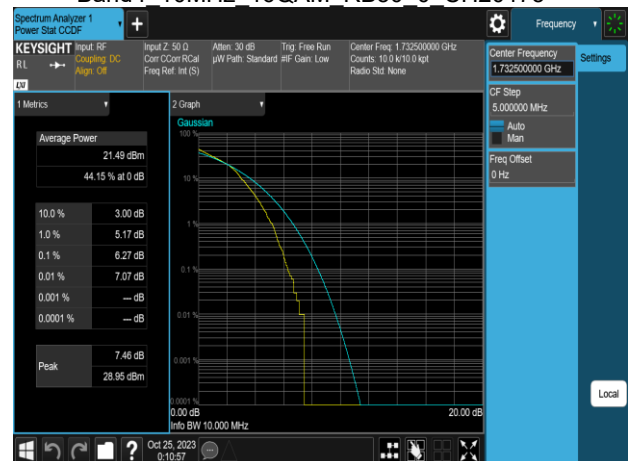
Band4 10MHz 16QAM RB50 0 CH20000



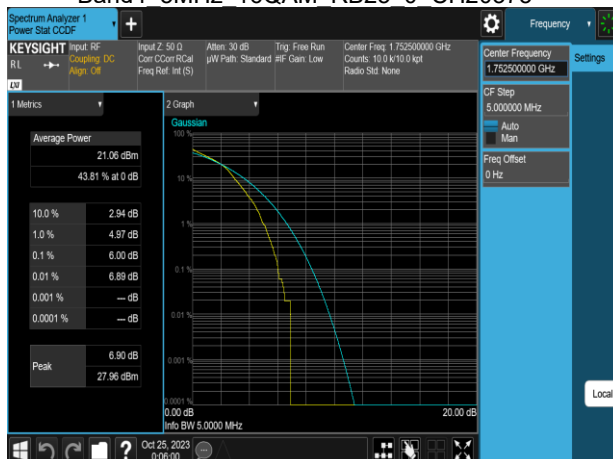
Band4 5MHz 16QAM RB25 0 CH20175



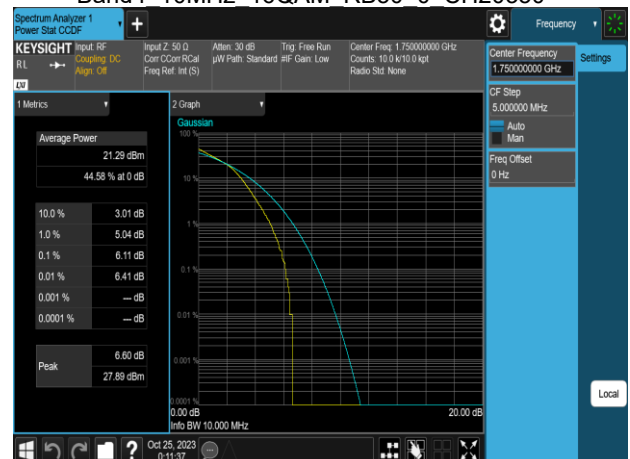
Band4 10MHz 16QAM RB50 0 CH20175



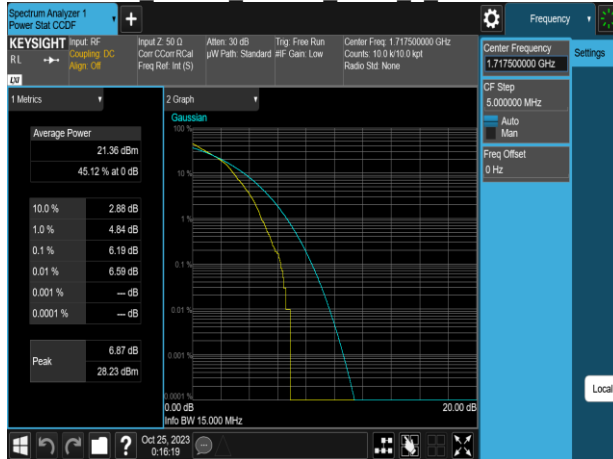
Band4 5MHz 16QAM RB25 0 CH20375



Band4 10MHz 16QAM RB50 0 CH20350



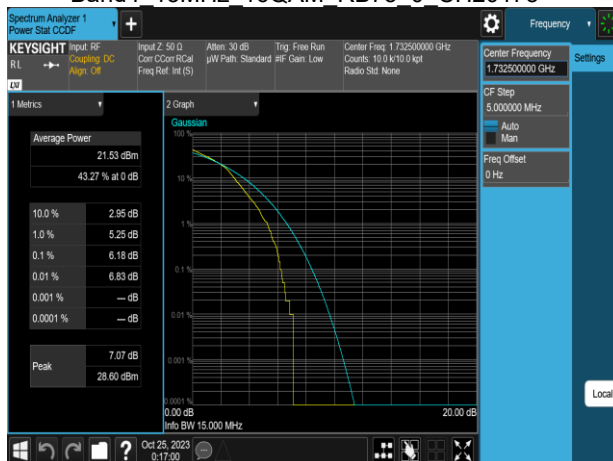
Band4 15MHz 16QAM RB75 0 CH20025



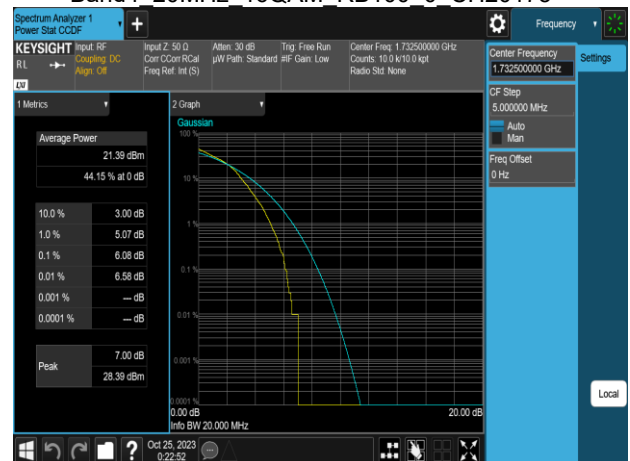
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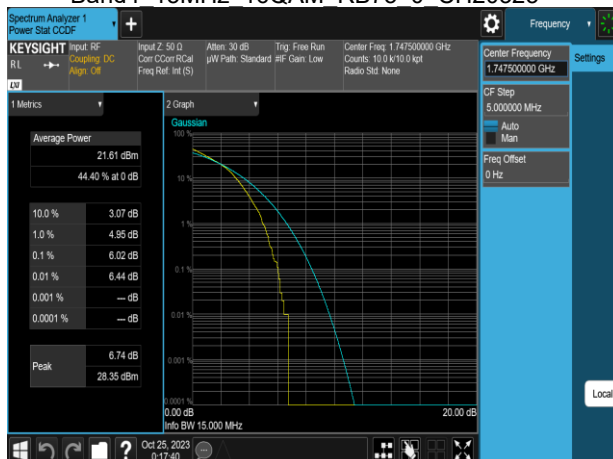
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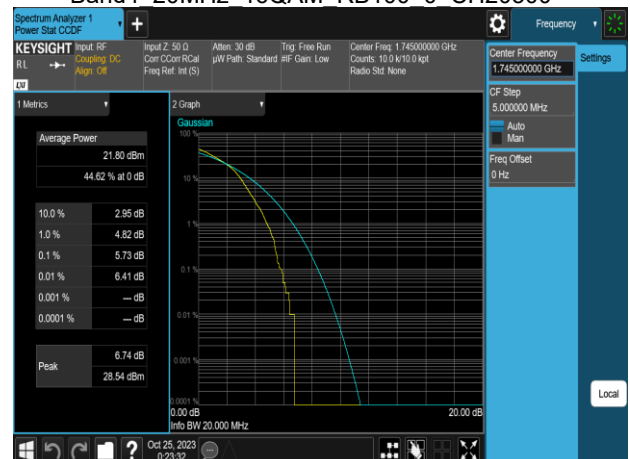
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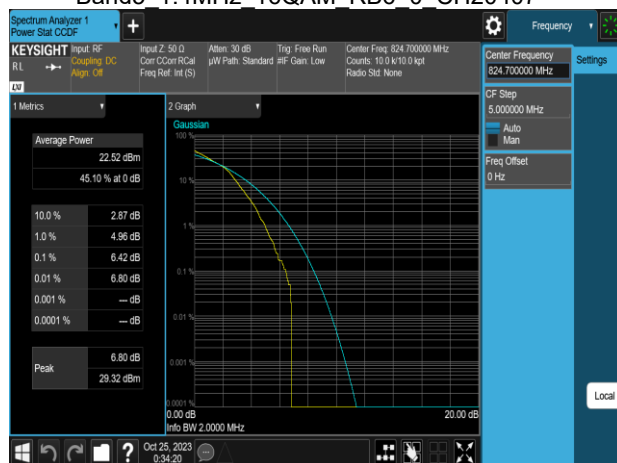


Band4 20MHz 16QAM RB100 0 CH20300



Report No.: TMWK2310003861KR

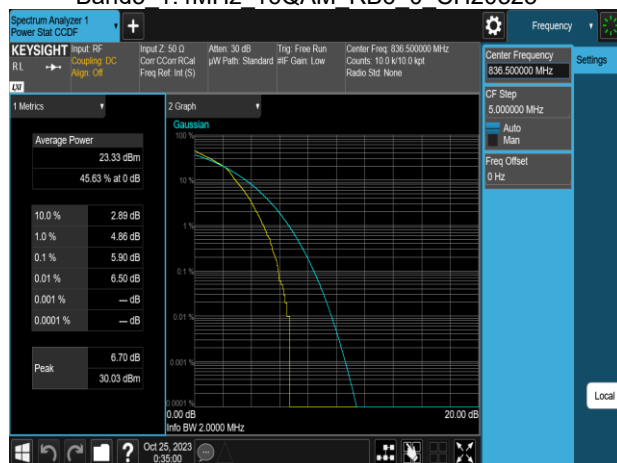
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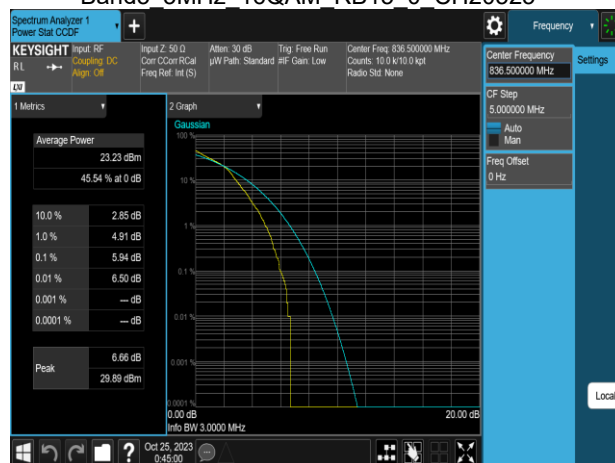
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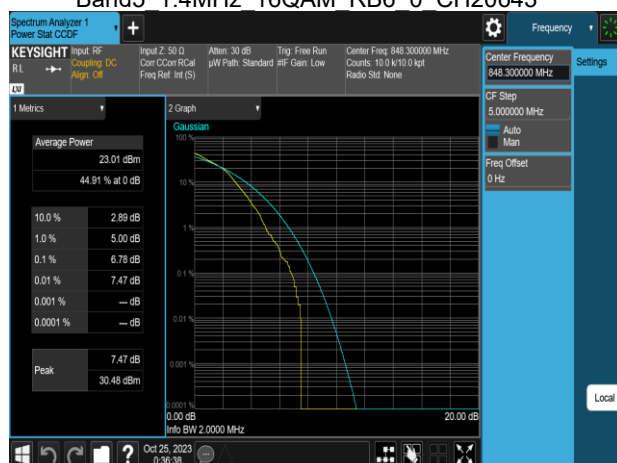
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Band5 3MHz 16QAM RB15 0 CH20525



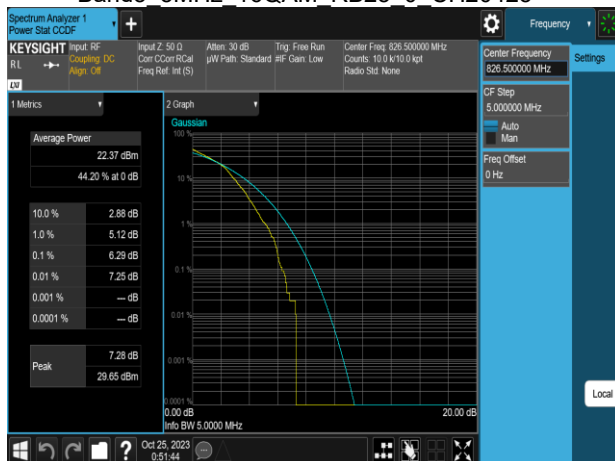
Band5 1.4MHz 16QAM RB6 0 CH20643



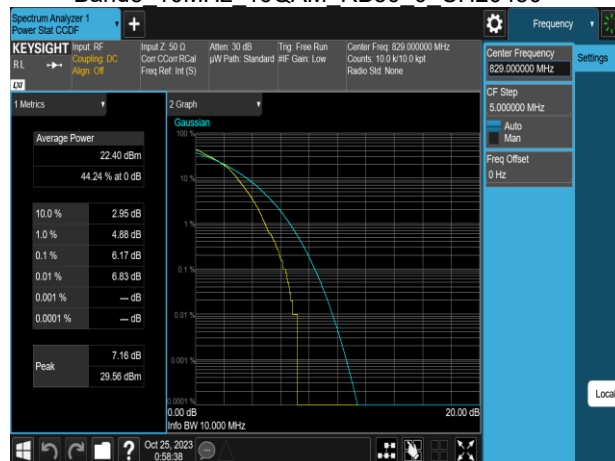
Band5 3MHz 16QAM RB15 0 CH20635



Band5 5MHz 16QAM RB25 0 CH20425



Band5 10MHz 16QAM RB50 0 CH20450



Band5 5MHz 16QAM RB25 0 CH20525



Band5 10MHz 16QAM RB50 0 CH20525



Band5 5MHz 16QAM RB25 0 CH20625



Band5 10MHz 16QAM RB50 0 CH20600

