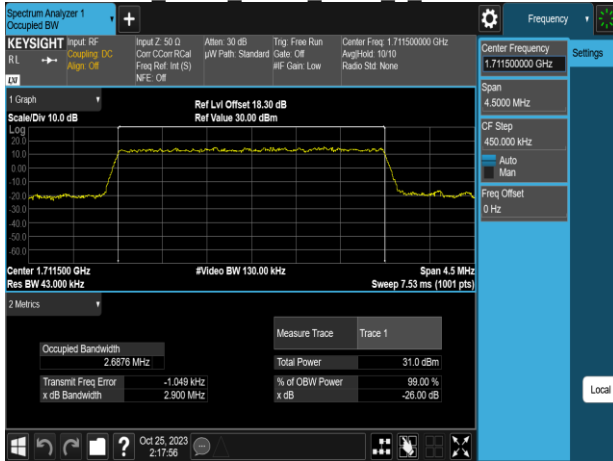
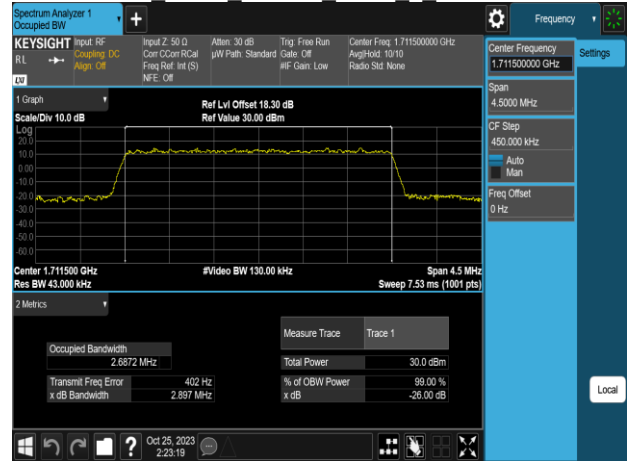


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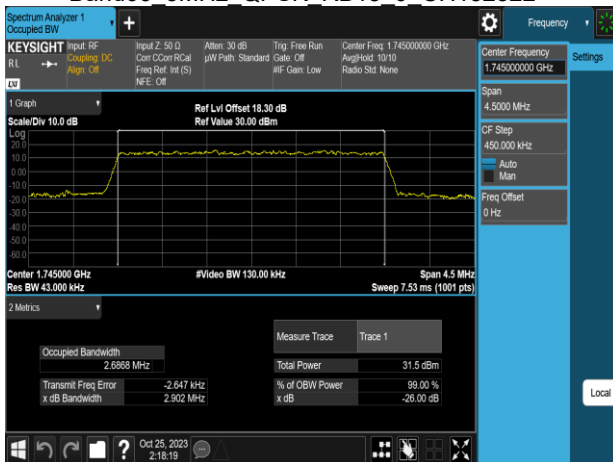
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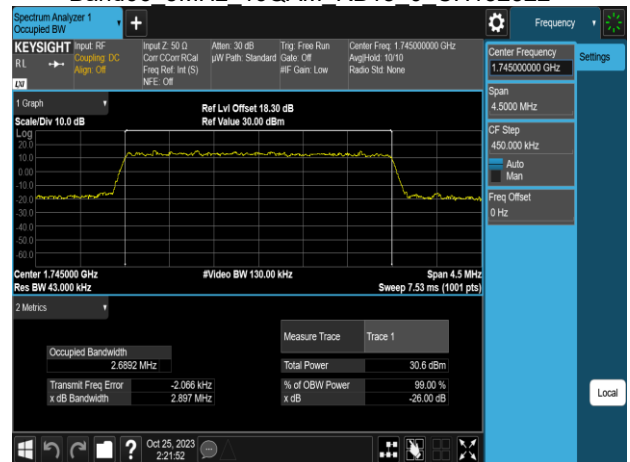
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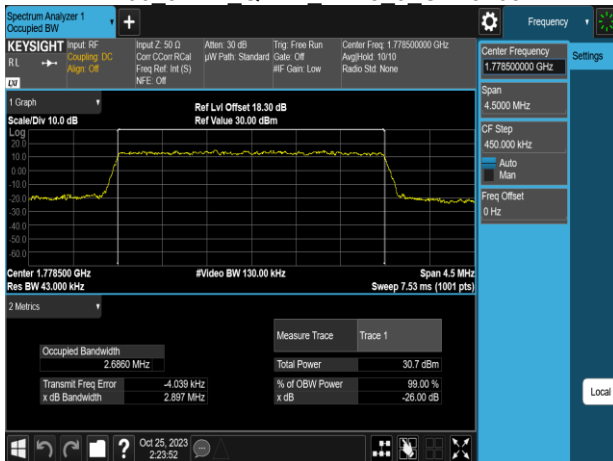
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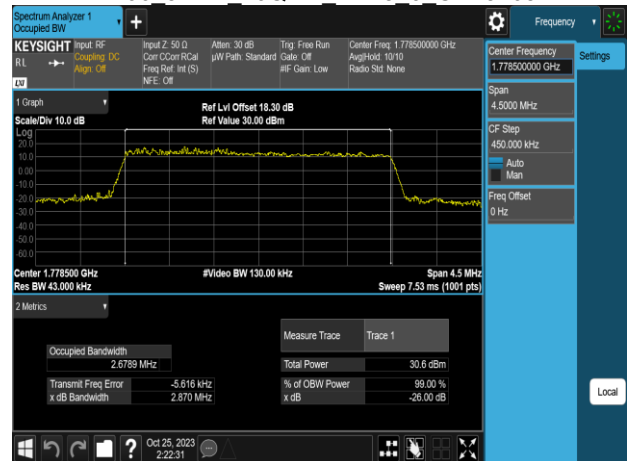
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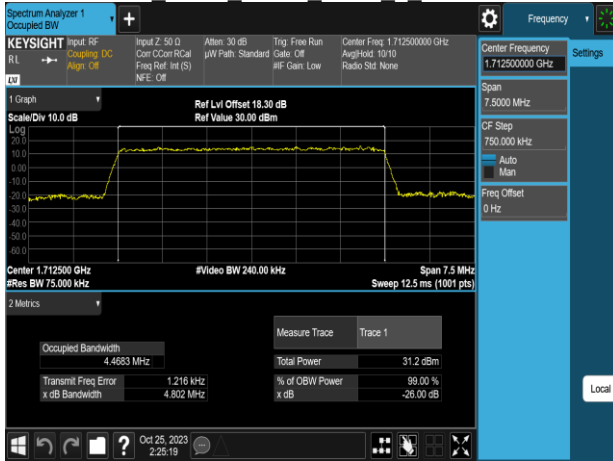


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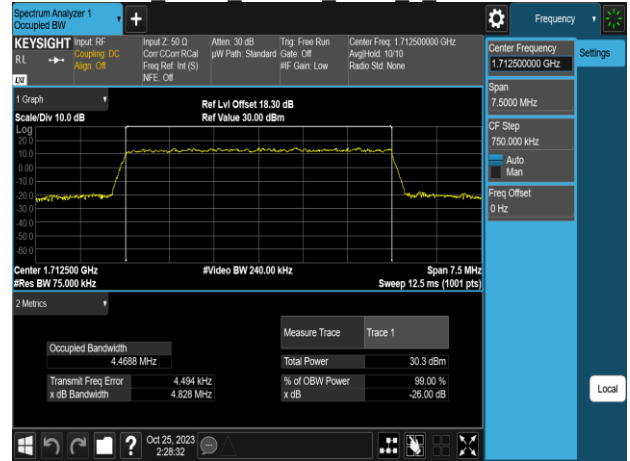


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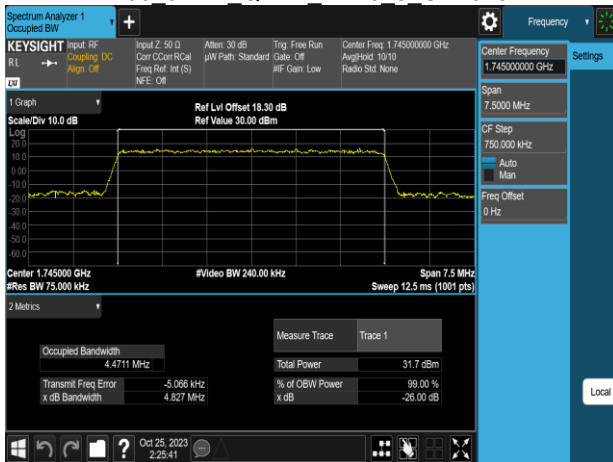
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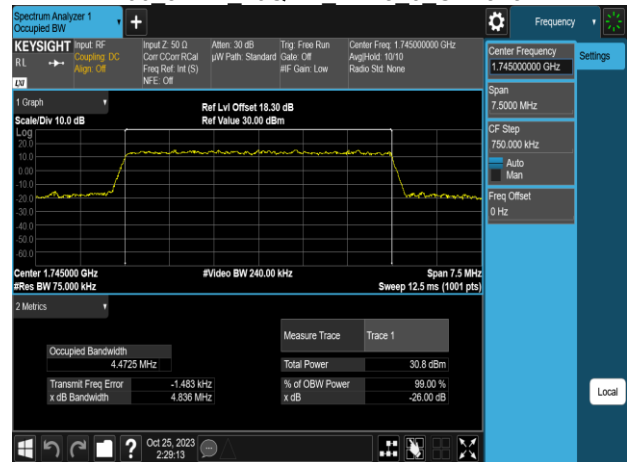
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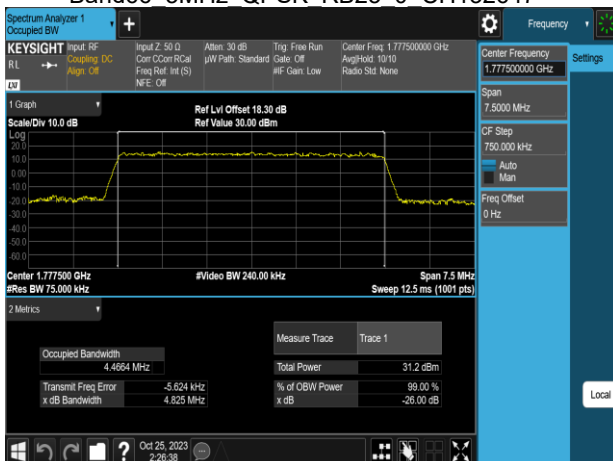
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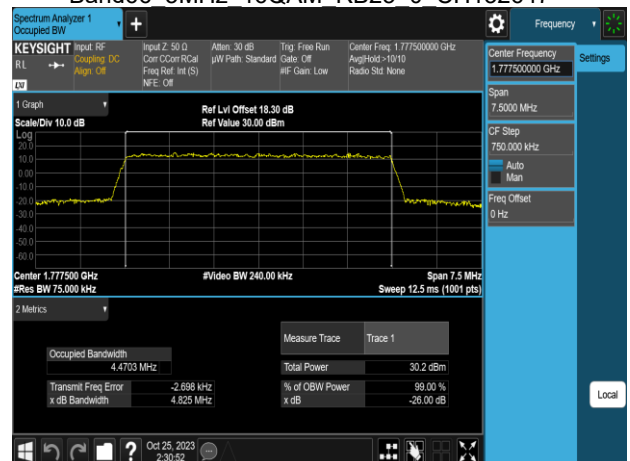
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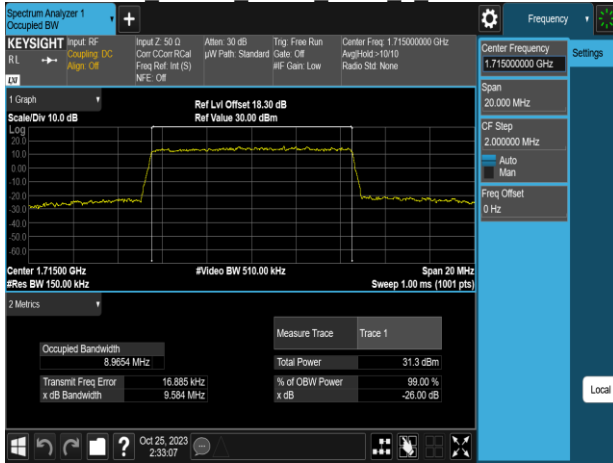
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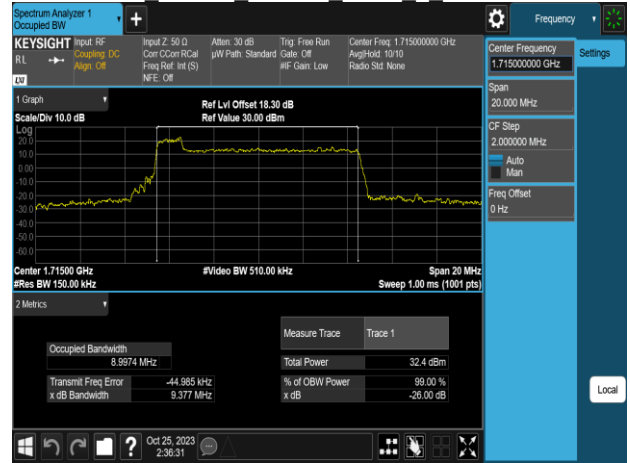
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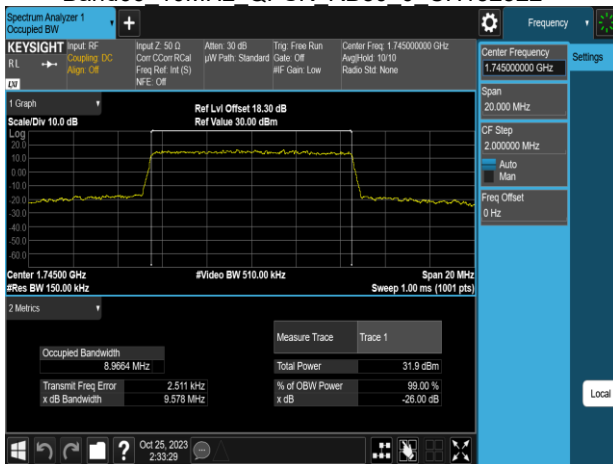
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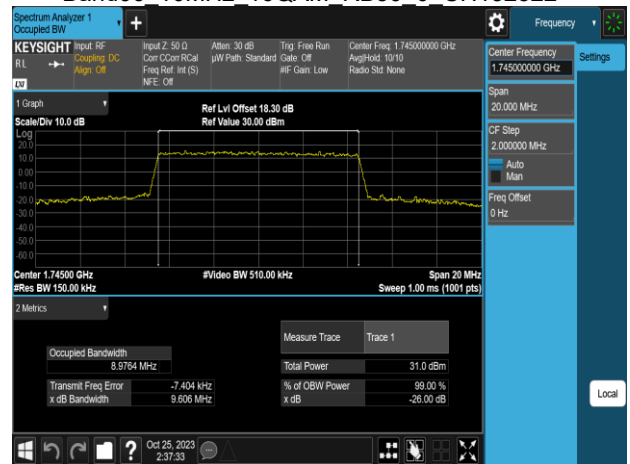
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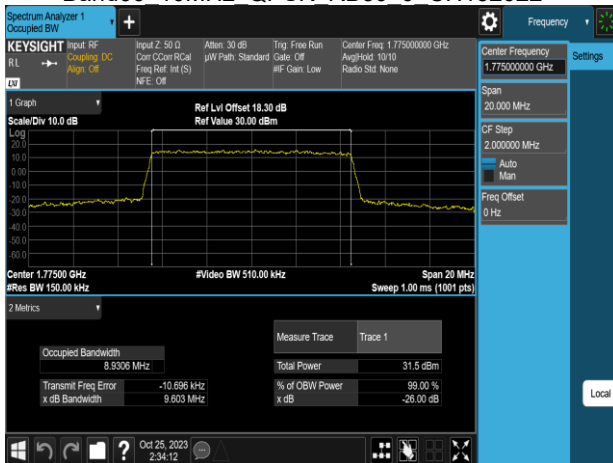
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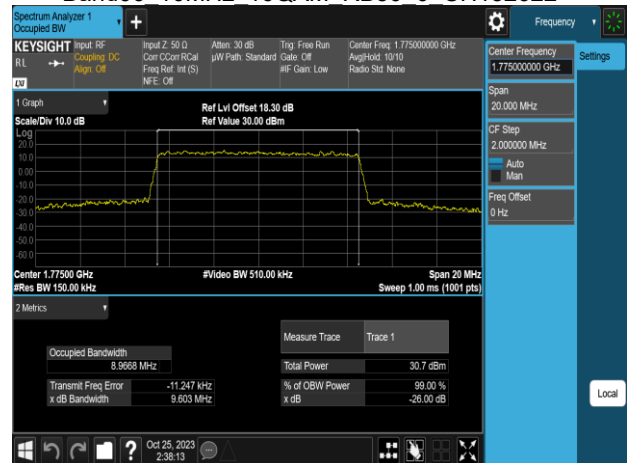
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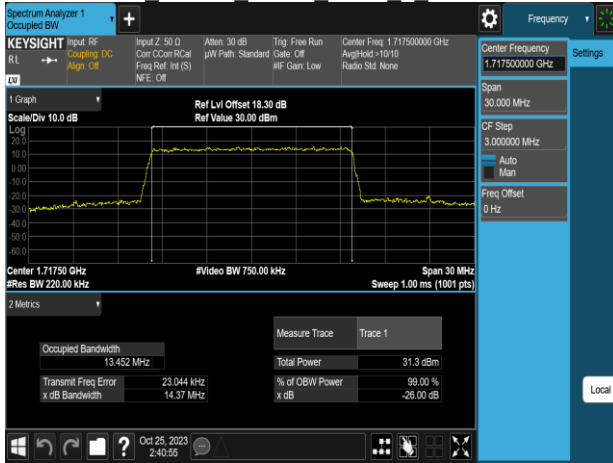


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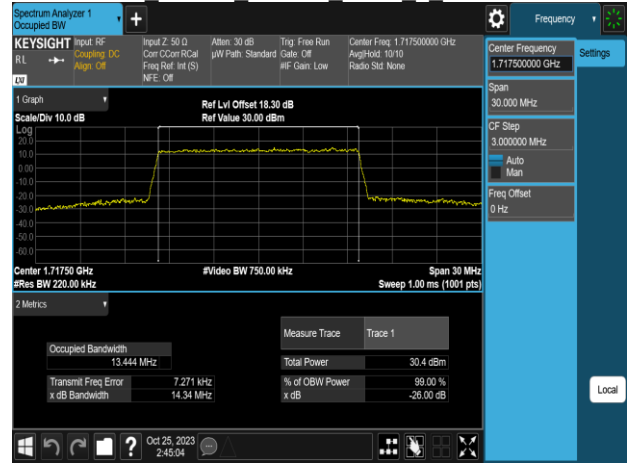


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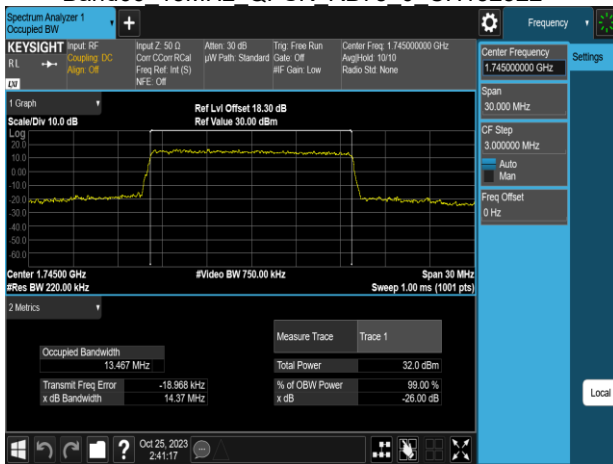
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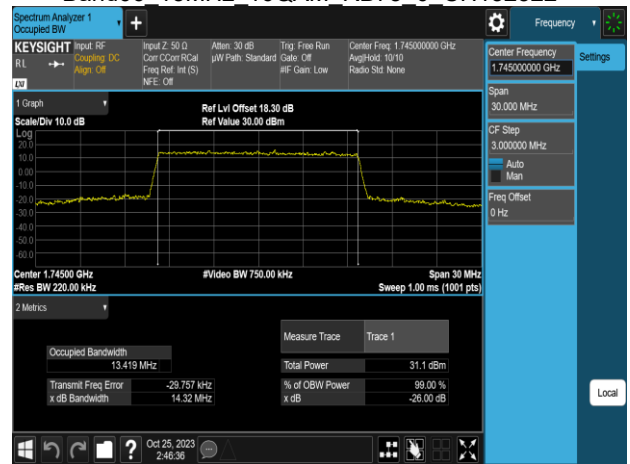
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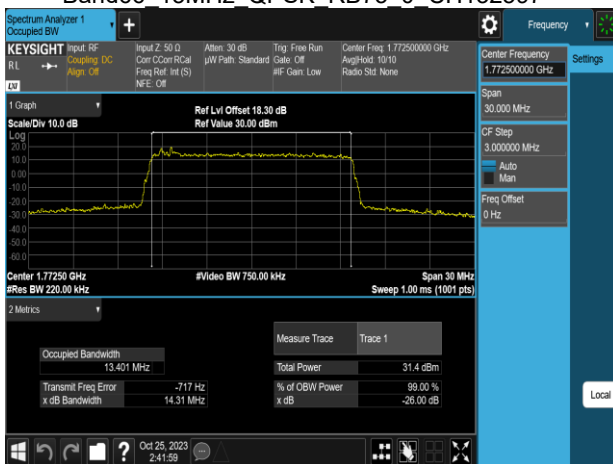
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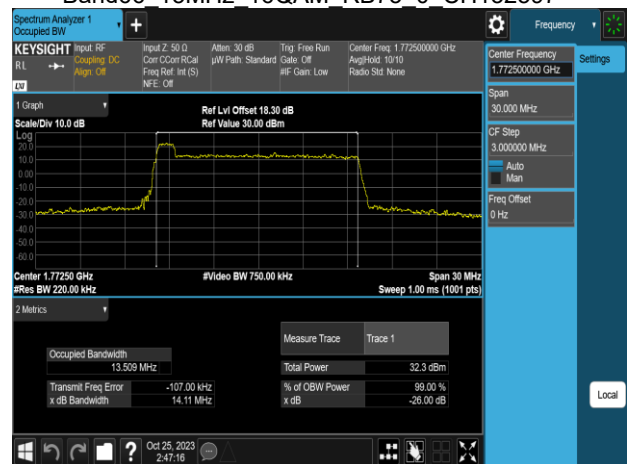
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Band66 15MHz QPSK RB75 0 CH132597

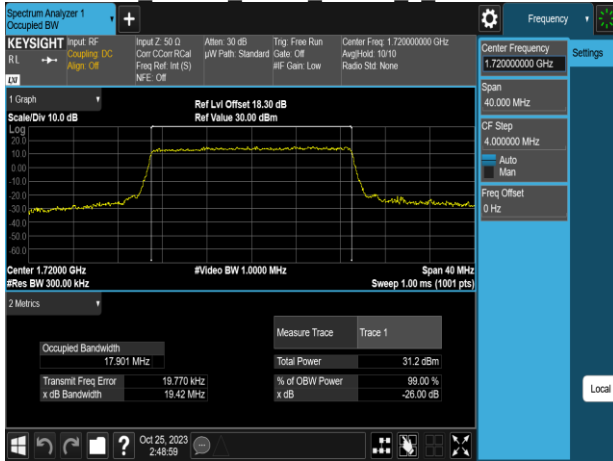


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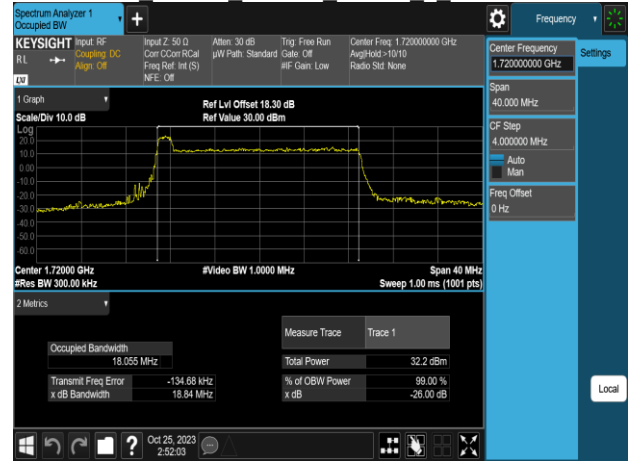


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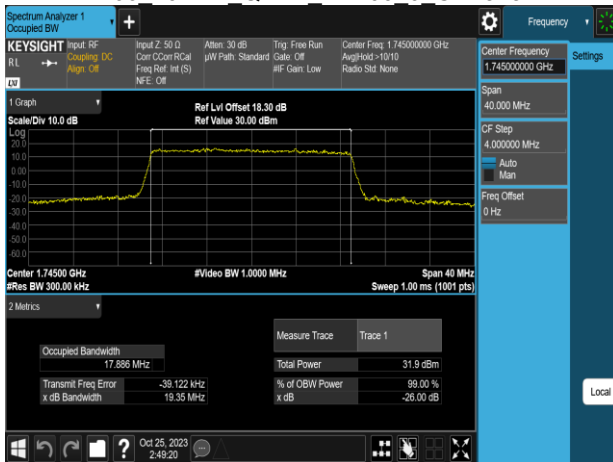
Band66 20MHz QPSK RB100 0 CH132072



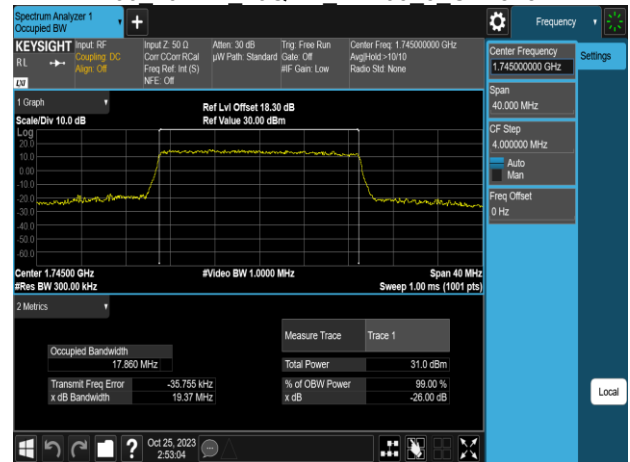
Band66 20MHz 16QAM RB100 0 CH132072



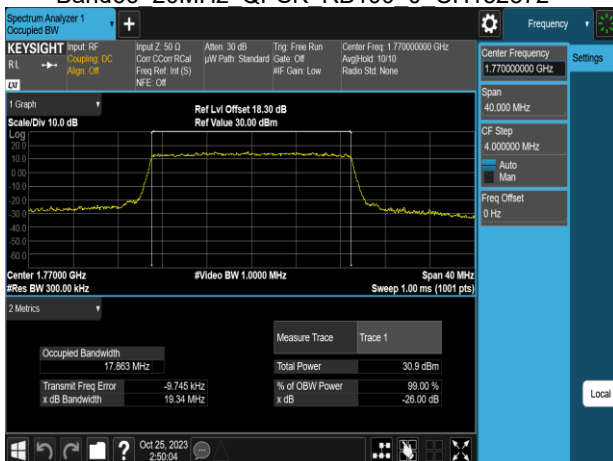
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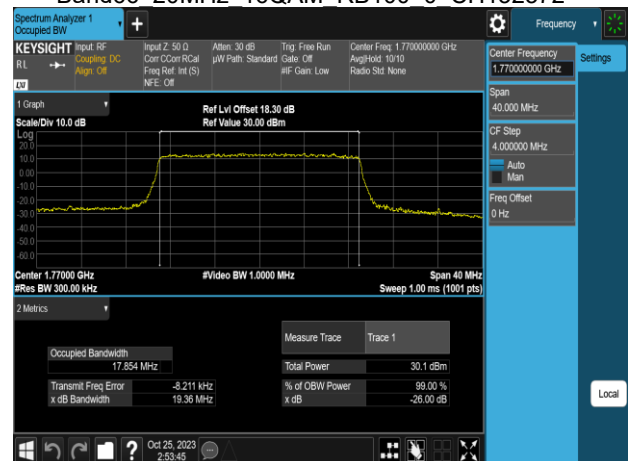
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Band66 20MHz QPSK RB100 0 CH132572



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				

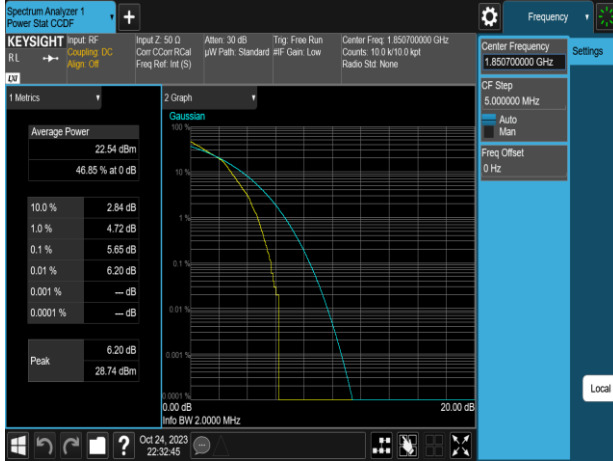
LTE Band 66

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

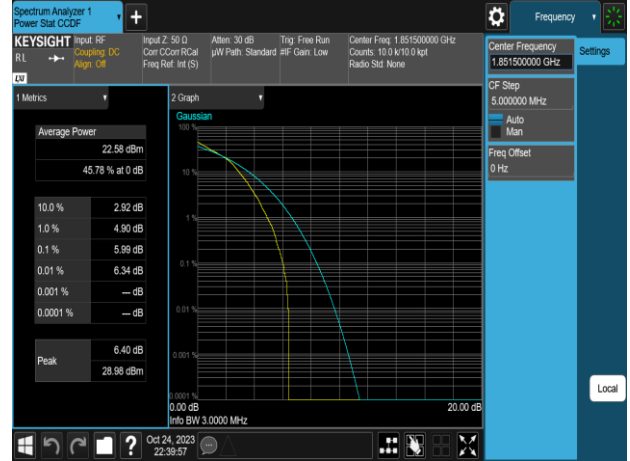
LTE BAND 66							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1712.5	131997	5.82	13	1715.0	132022	6.12	13
1745.0	132322	5.53	13	1745.0	132322	5.96	13
1777.5	132647	6.02	13	1775.0	132622	6.11	13

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



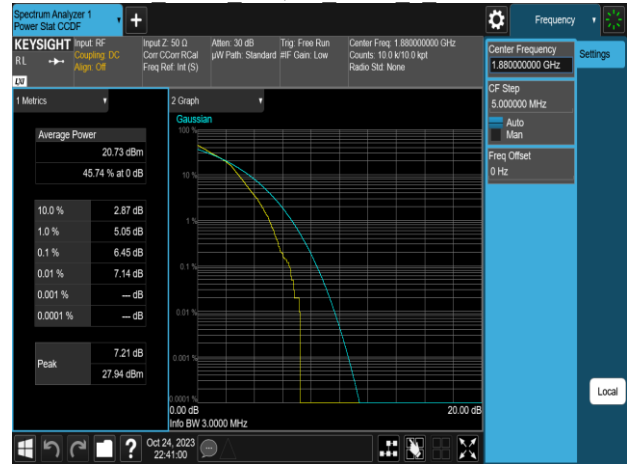
Band2 3MHz 16QAM RB15 0 CH18615



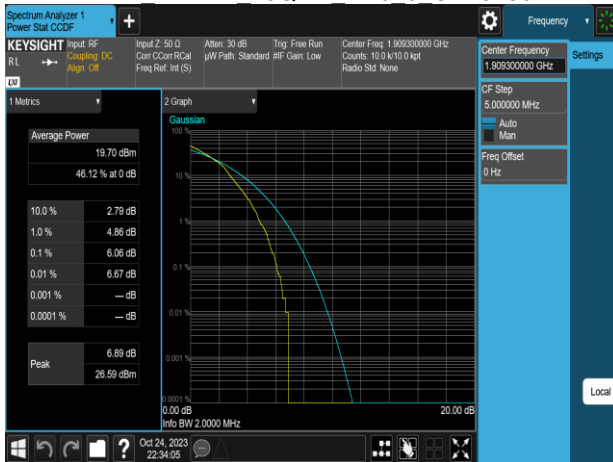
Band2 1.4MHz 16QAM RB6 0 CH18900



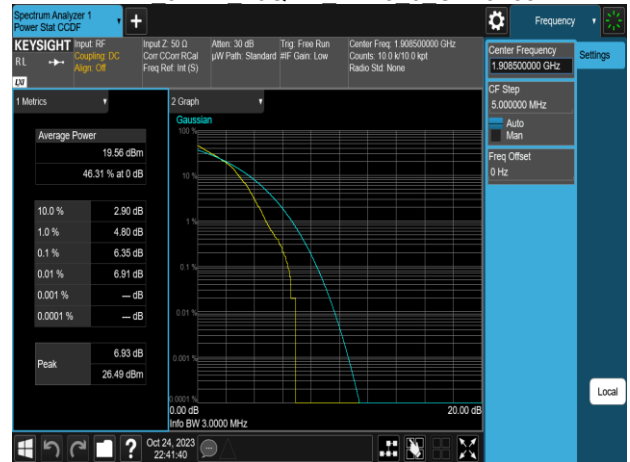
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Band2 1.4MHz 16QAM RB6 0 CH19193



Band2 3MHz 16QAM RB15 0 CH19185

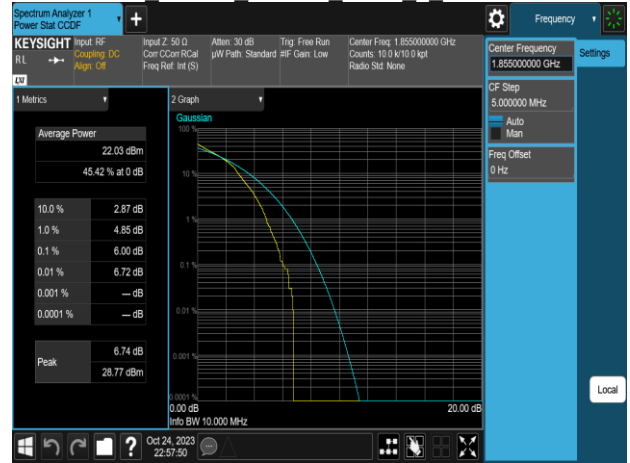


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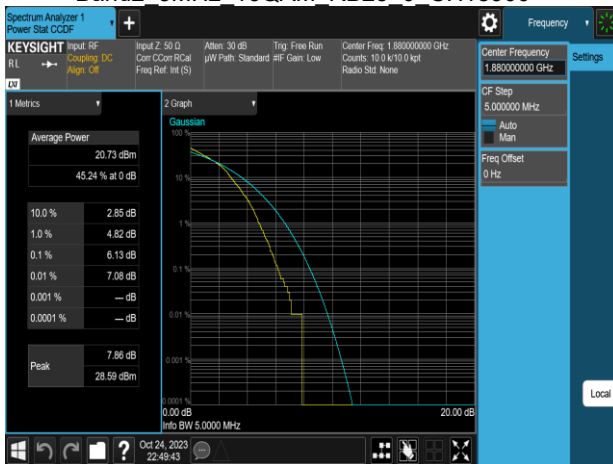
Band2 5MHz 16QAM RB25 0 CH18625



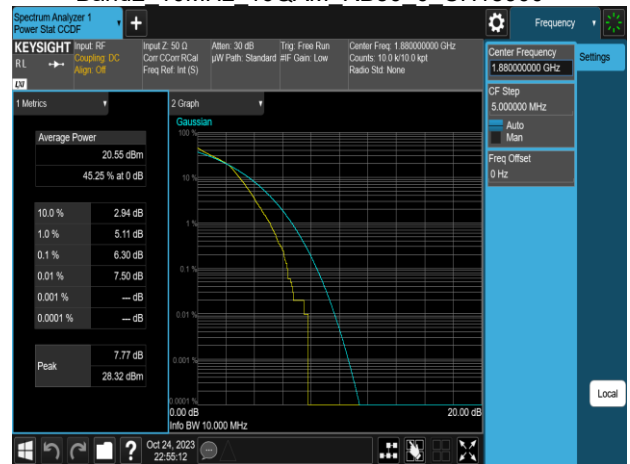
Band2 10MHz 16QAM RB50 0 CH18650



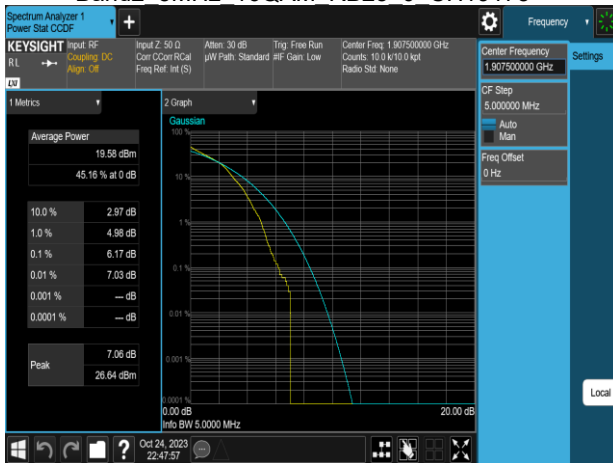
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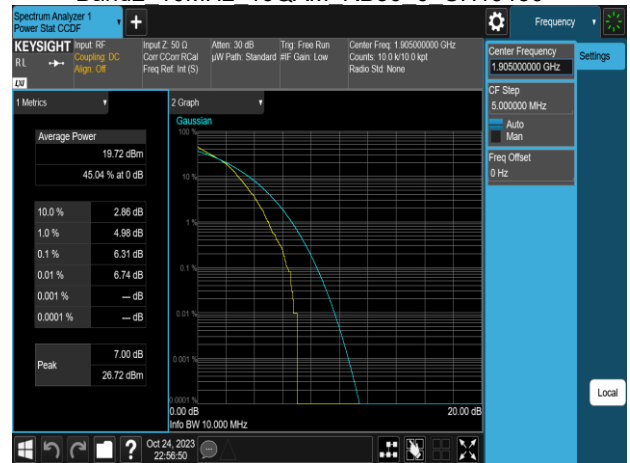
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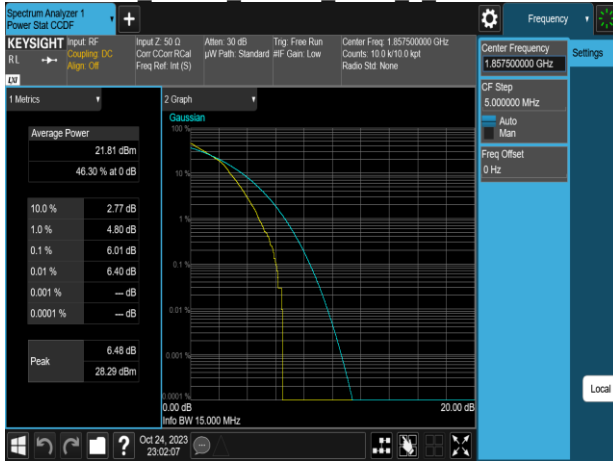


Band2 10MHz 16QAM RB50 0 CH19150



Report No.: TMWK2310003861KR

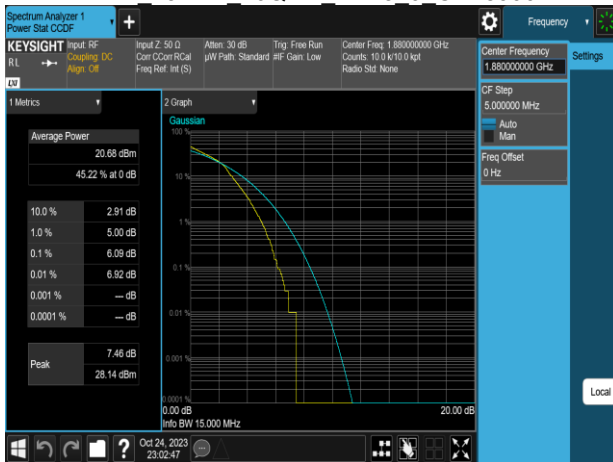
Band2 15MHz 16QAM RB75 0 CH18675



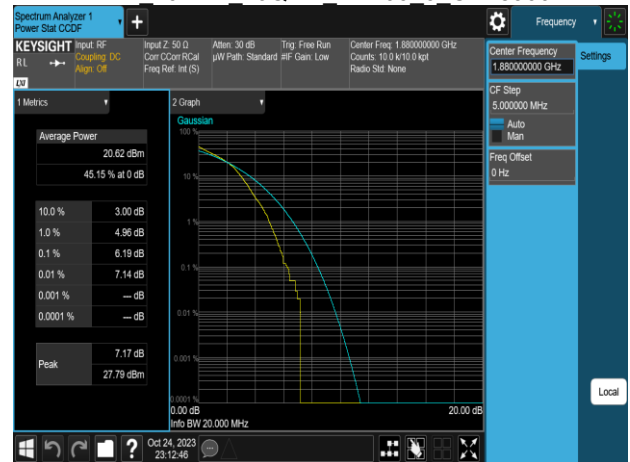
Band2 20MHz 16QAM RB100 0 CH18700



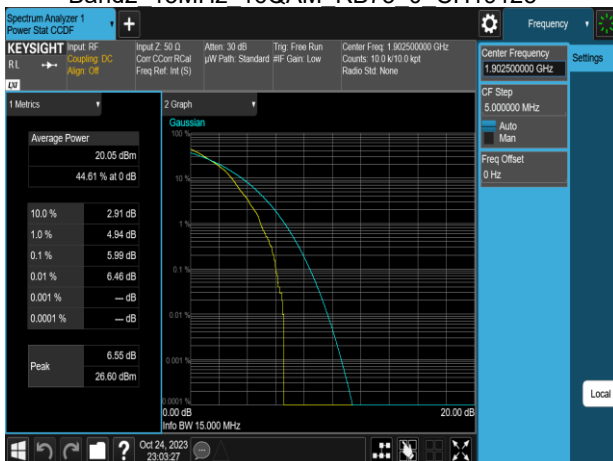
Band2 15MHz 16QAM RB75 0 CH18900



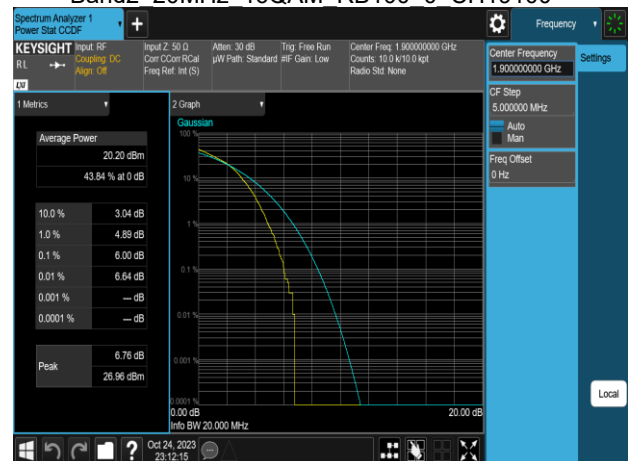
Band2 20MHz 16QAM RB100 0 CH18900



Band2 15MHz 16QAM RB75 0 CH19125



Band2 20MHz 16QAM RB100 0 CH19100

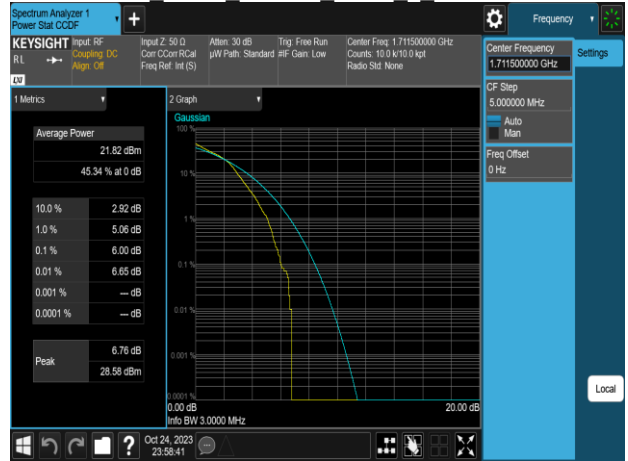


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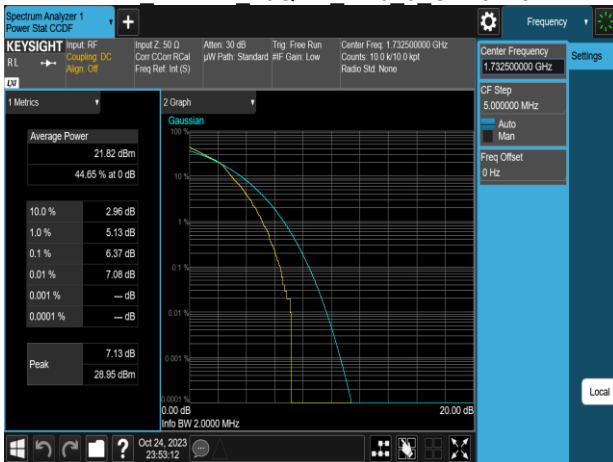
Band4 1.4MHz 16QAM RB6 0 CH19957



Band4 3MHz 16QAM RB15 0 CH19965



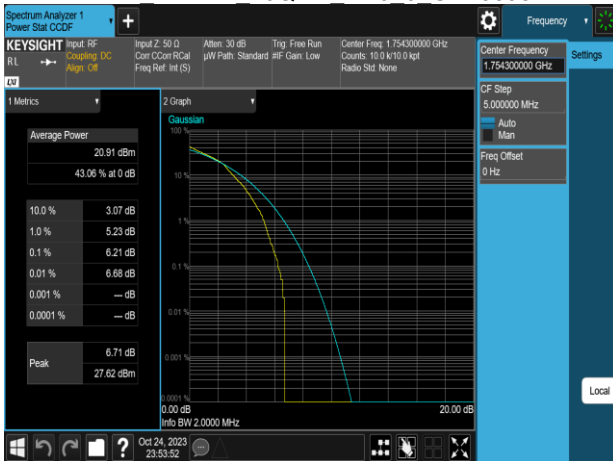
Band4 1.4MHz 16QAM RB6 0 CH20175



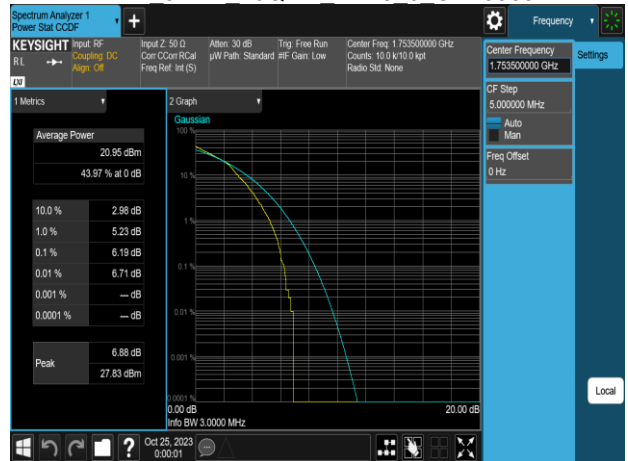
Band4 3MHz 16QAM RB15 0 CH20175



Band4 1.4MHz 16QAM RB6 0 CH20393



Band4 3MHz 16QAM RB15 0 CH20385



Report No.: TMWK2310003861KR

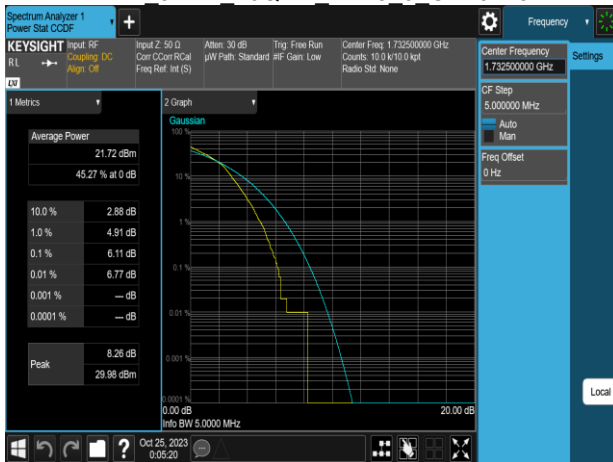
Band4 5MHz 16QAM RB25 0 CH19975



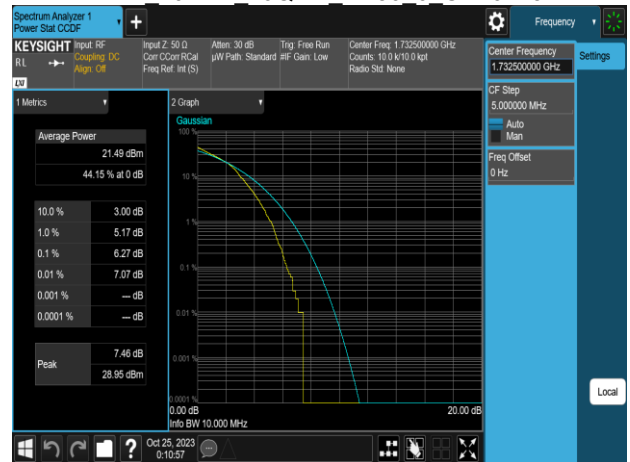
Band4 10MHz 16QAM RB50 0 CH20000



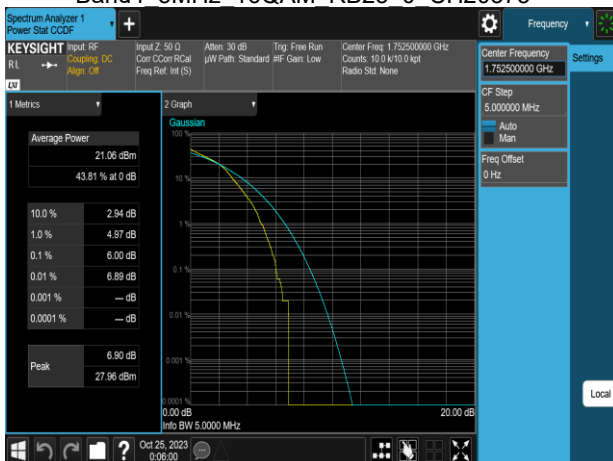
Band4 5MHz 16QAM RB25 0 CH20175



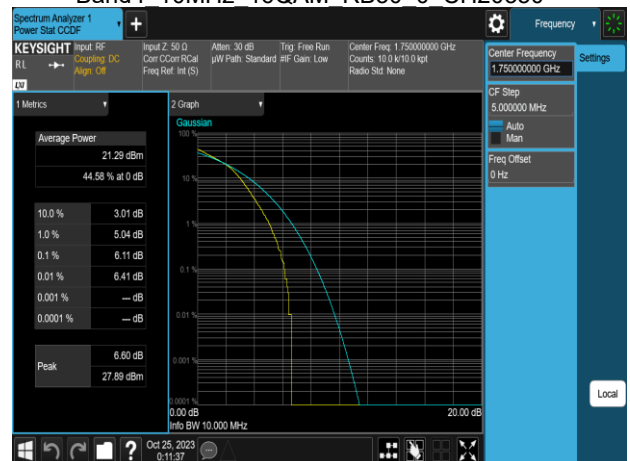
Band4 10MHz 16QAM RB50 0 CH20175



Band4 5MHz 16QAM RB25 0 CH20375

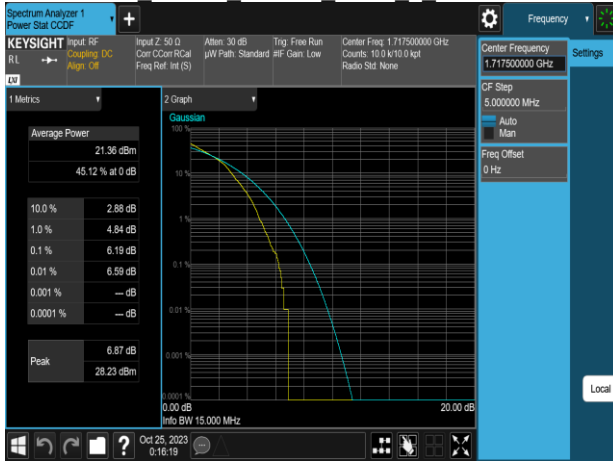


Band4 10MHz 16QAM RB50 0 CH20350



Report No.: TMWK2310003861KR

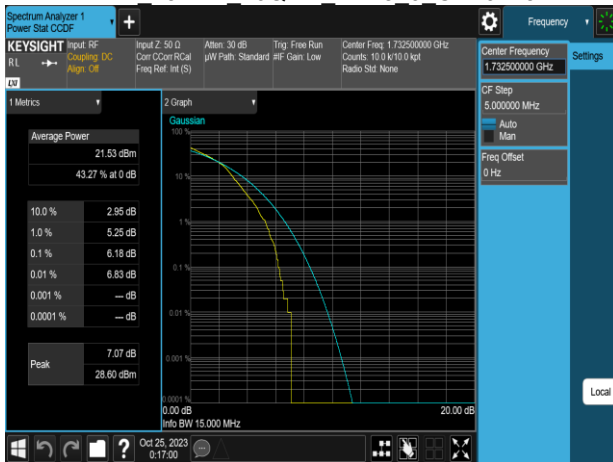
Band4 15MHz 16QAM RB75 0 CH20025



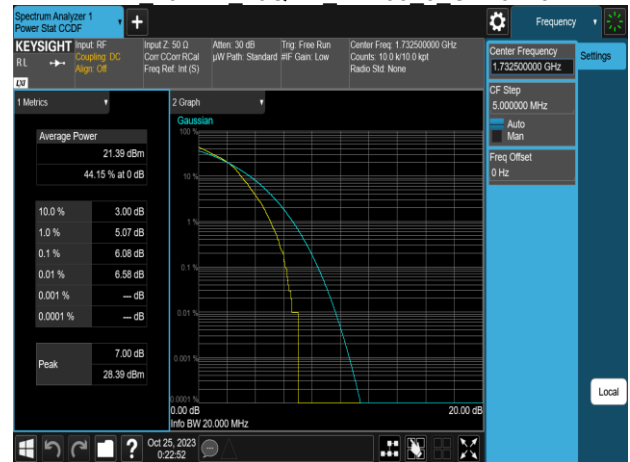
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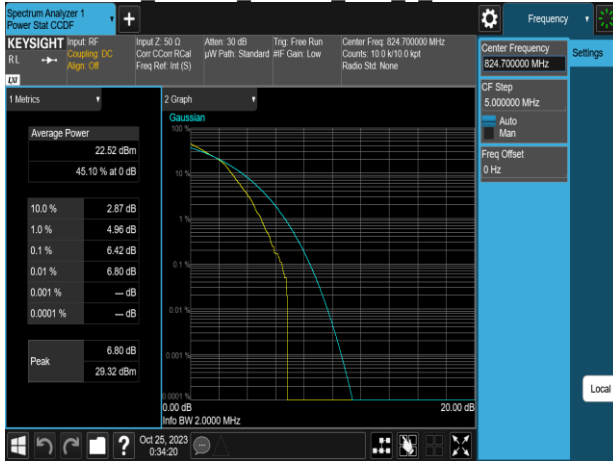


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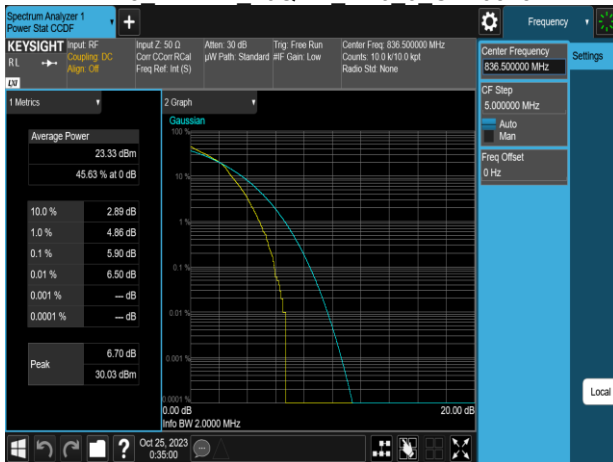
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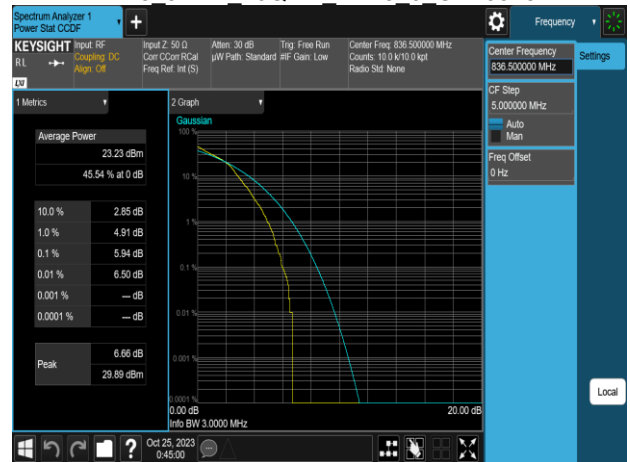
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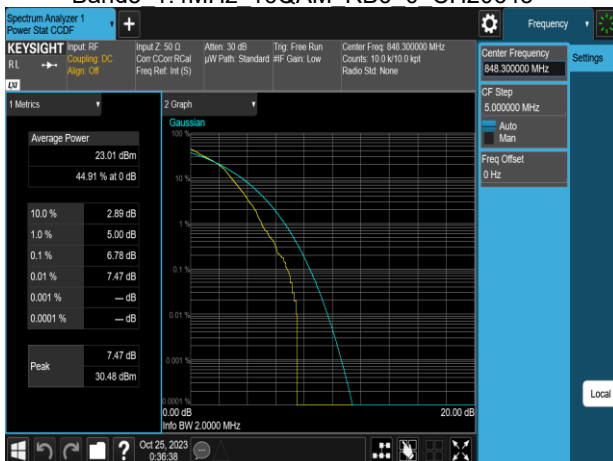
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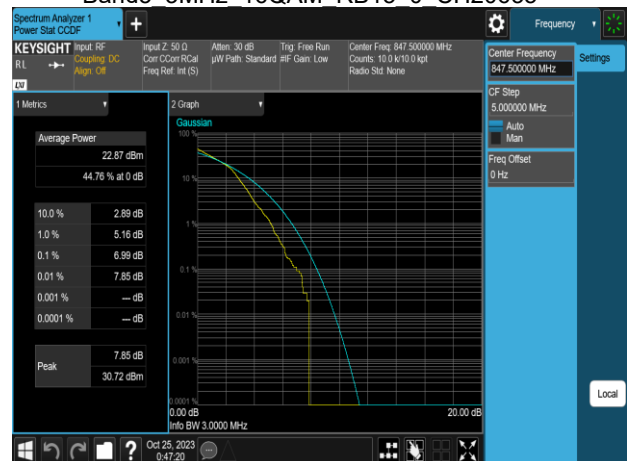
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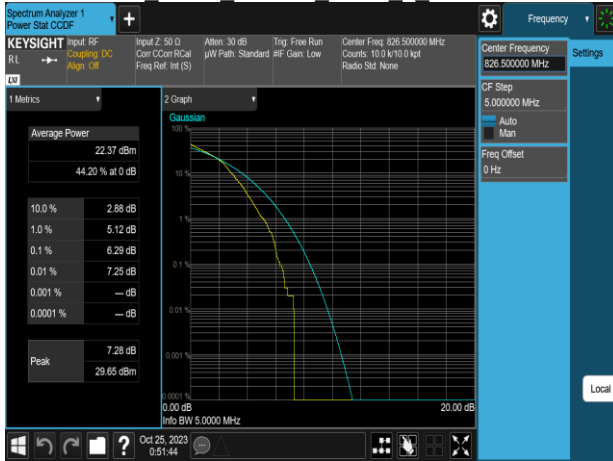


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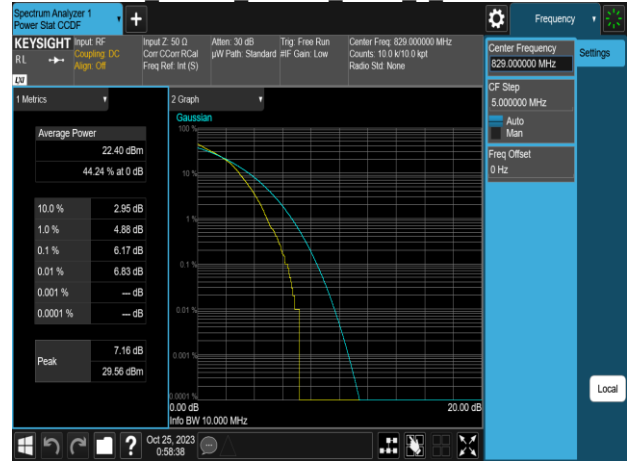


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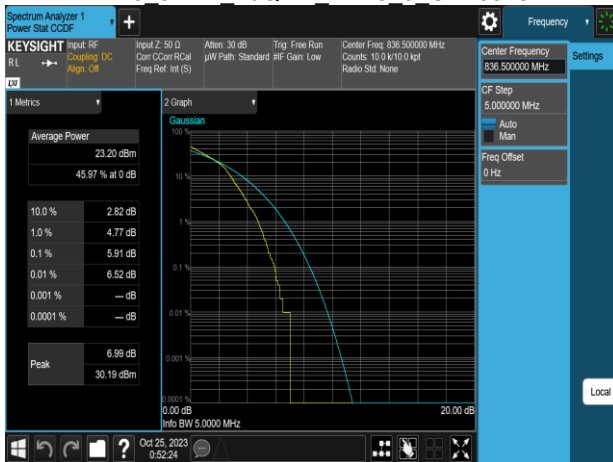
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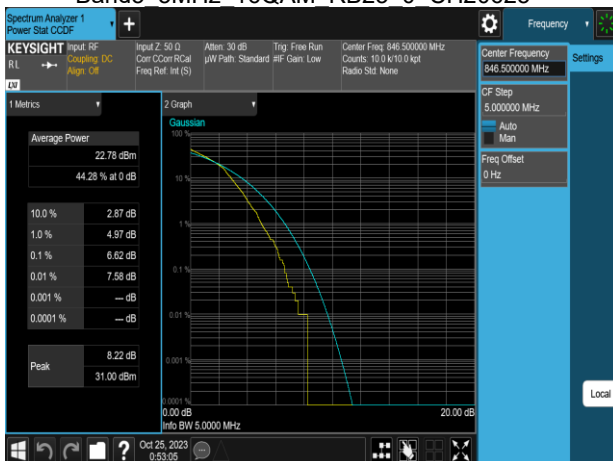
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