



BUREAU VERITAS Test Report No.: PSU-NQN2407300216RF04

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.087	1.27	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.090	1.26	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.082	1.29	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.082	1.26	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.085	1.29	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.088	1.25	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	1.091	1.25	PASS
Band66	1.4MHz	64QAM	132322	6RB#0	1.082	1.27	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	1.081	1.28	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.681	2.86	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.685	2.87	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.680	2.88	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.678	2.88	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.679	2.87	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.674	2.87	PASS
Band66	3MHz	64QAM	131987	15RB#0	2.684	2.87	PASS
Band66	3MHz	64QAM	132322	15RB#0	2.678	2.85	PASS
Band66	3MHz	64QAM	132657	15RB#0	2.680	2.87	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.496	5.07	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.492	5.02	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.477	4.99	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.485	4.92	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.495	5.02	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.485	5.04	PASS
Band66	5MHz	64QAM	131997	25RB#0	4.484	5.04	PASS
Band66	5MHz	64QAM	132322	25RB#0	4.491	5.07	PASS
Band66	5MHz	64QAM	132647	25RB#0	4.479	4.99	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.984	9.98	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.953	9.83	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.959	9.83	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.965	9.74	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.973	9.86	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.966	9.92	PASS
Band66	10MHz	64QAM	132022	50RB#0	8.967	9.86	PASS
Band66	10MHz	64QAM	132322	50RB#0	8.954	9.86	PASS
Band66	10MHz	64QAM	132622	50RB#0	8.968	9.89	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.505	15.06	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.449	14.88	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.500	15.11	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.468	14.97	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.484	14.93	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.510	14.88	PASS
Band66	15MHz	64QAM	132047	75RB#0	13.443	14.88	PASS
Band66	15MHz	64QAM	132322	75RB#0	13.483	14.97	PASS
Band66	15MHz	64QAM	132597	75RB#0	13.522	14.93	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.899	19.30	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.894	19.36	PASS

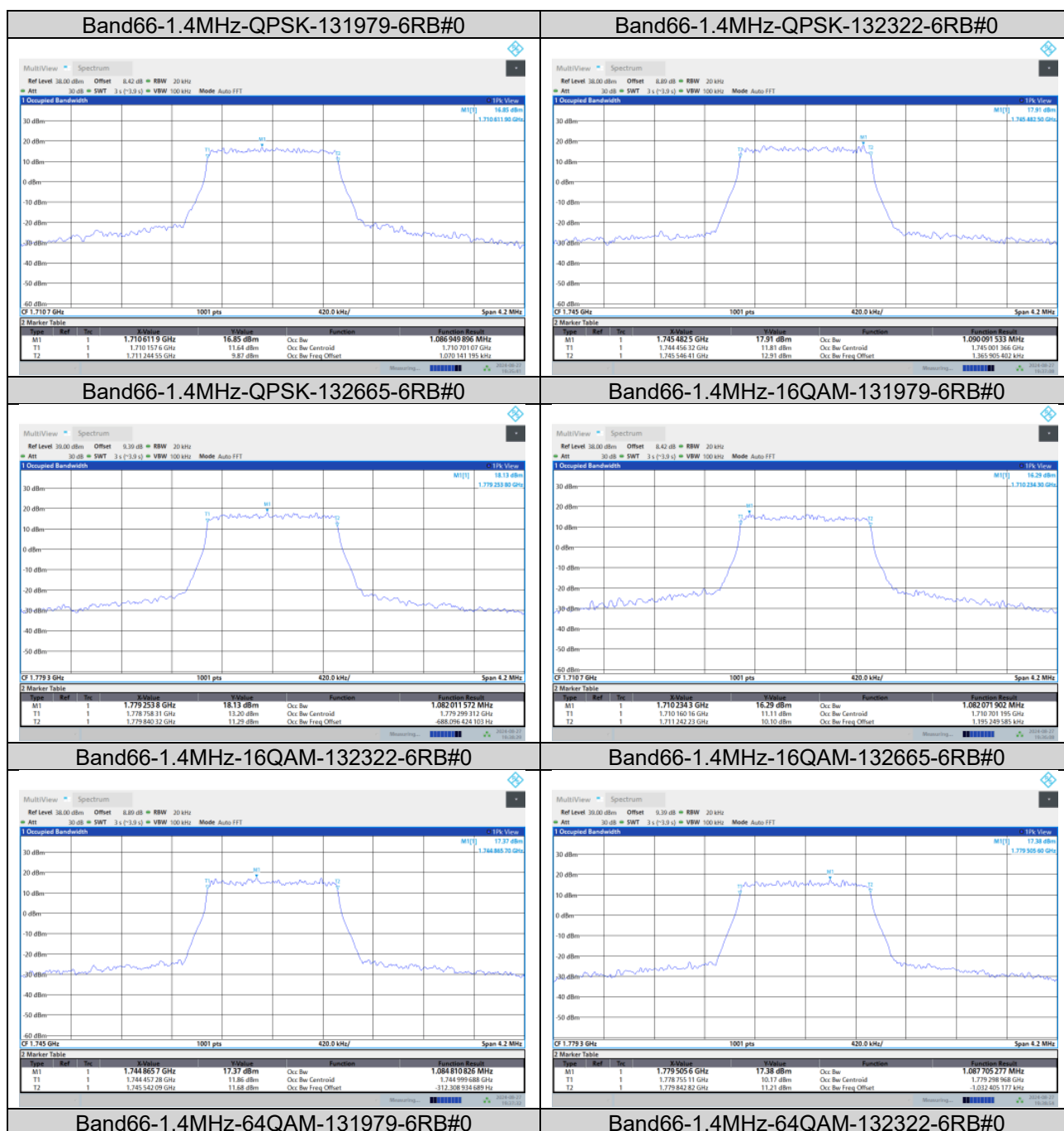
**Test Report No.: PSU-NQN2407300216RF04**

Band66	20MHz	QPSK	132572	100RB#0	17.986	19.54	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.931	19.36	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.931	19.54	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.945	19.36	PASS
Band66	20MHz	64QAM	132072	100RB#0	17.912	19.42	PASS
Band66	20MHz	64QAM	132322	100RB#0	17.932	19.42	PASS
Band66	20MHz	64QAM	132572	100RB#0	17.932	19.30	PASS



Test Graphs

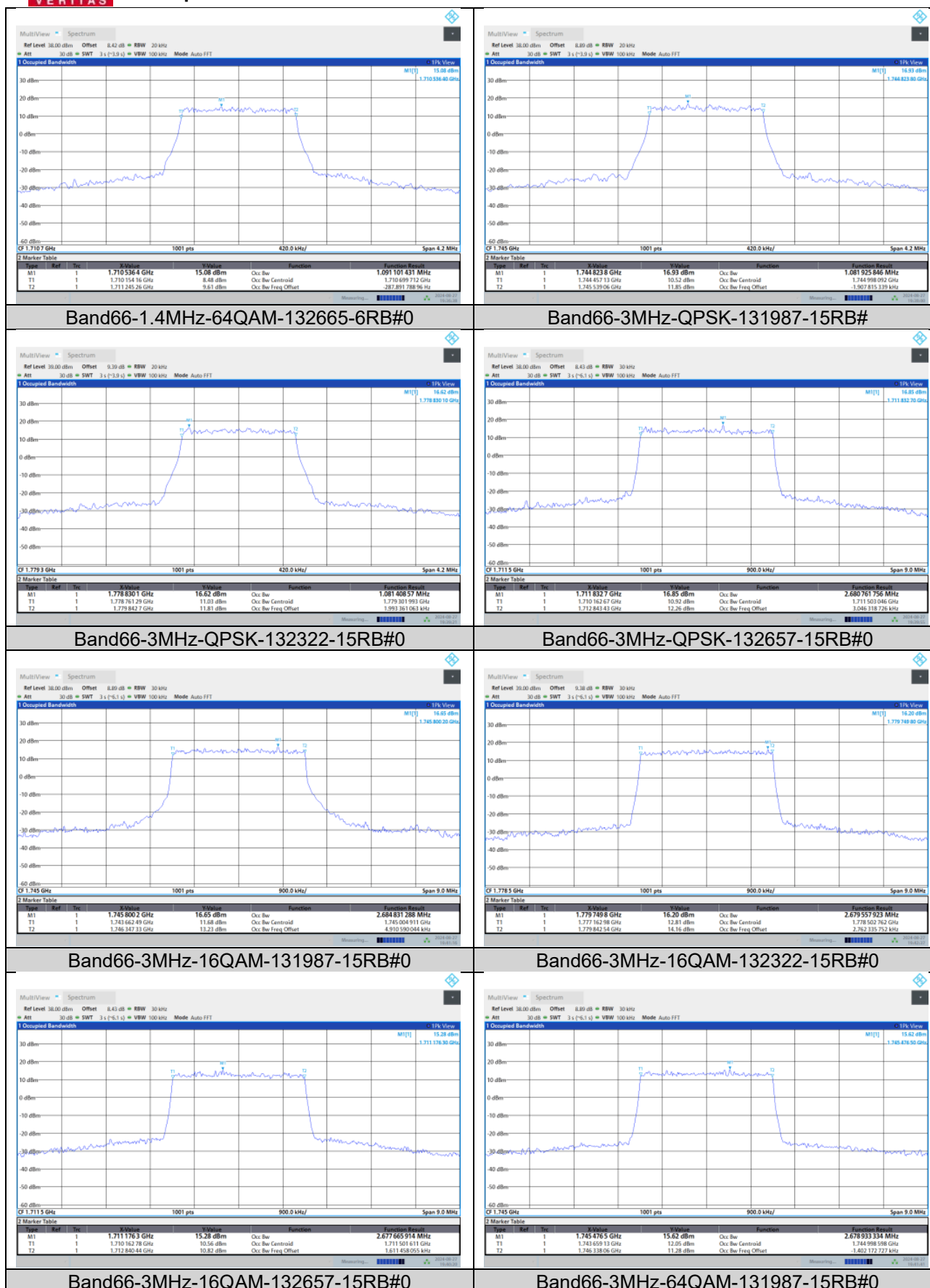
Occupied Bandwidth





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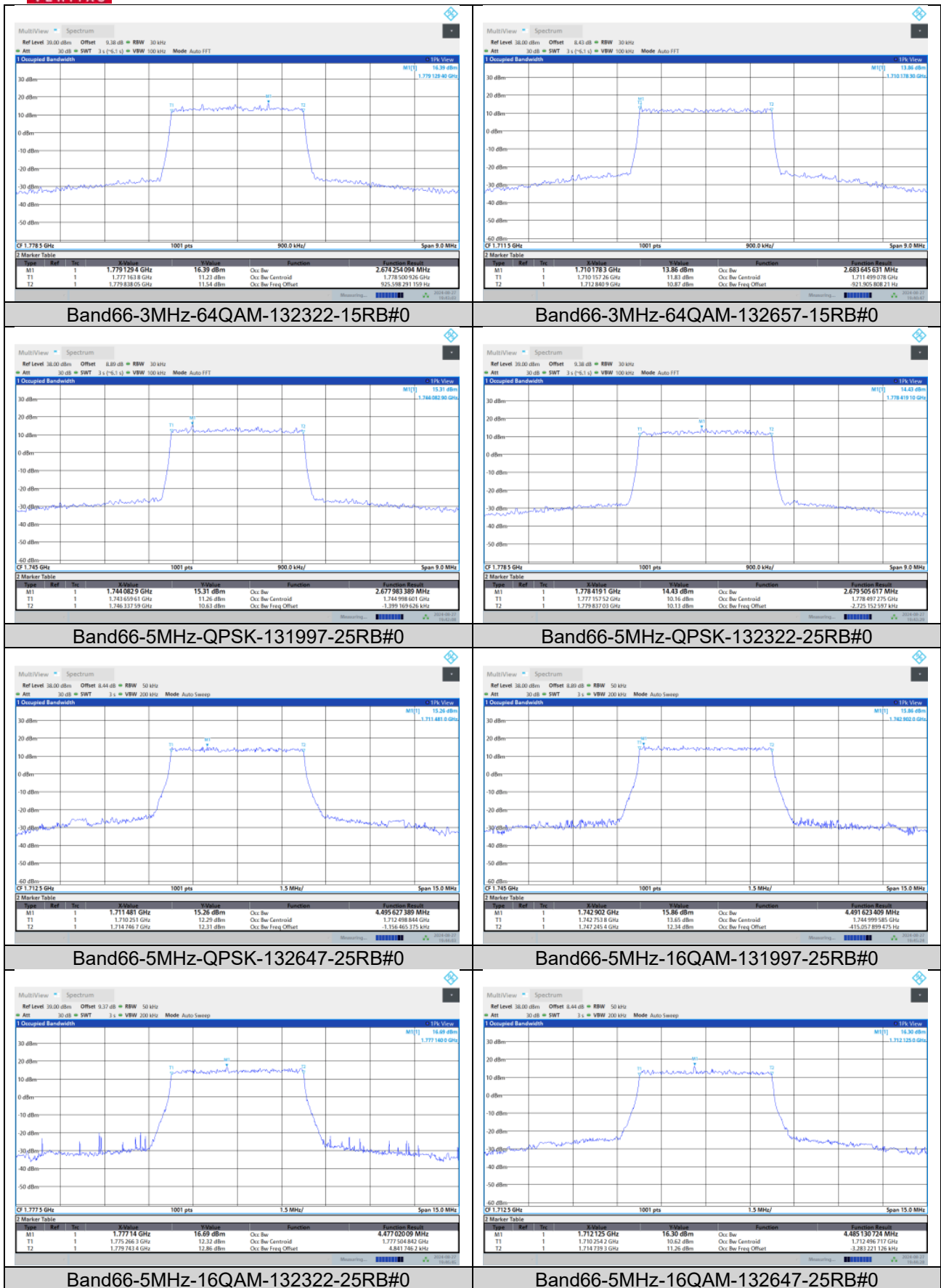
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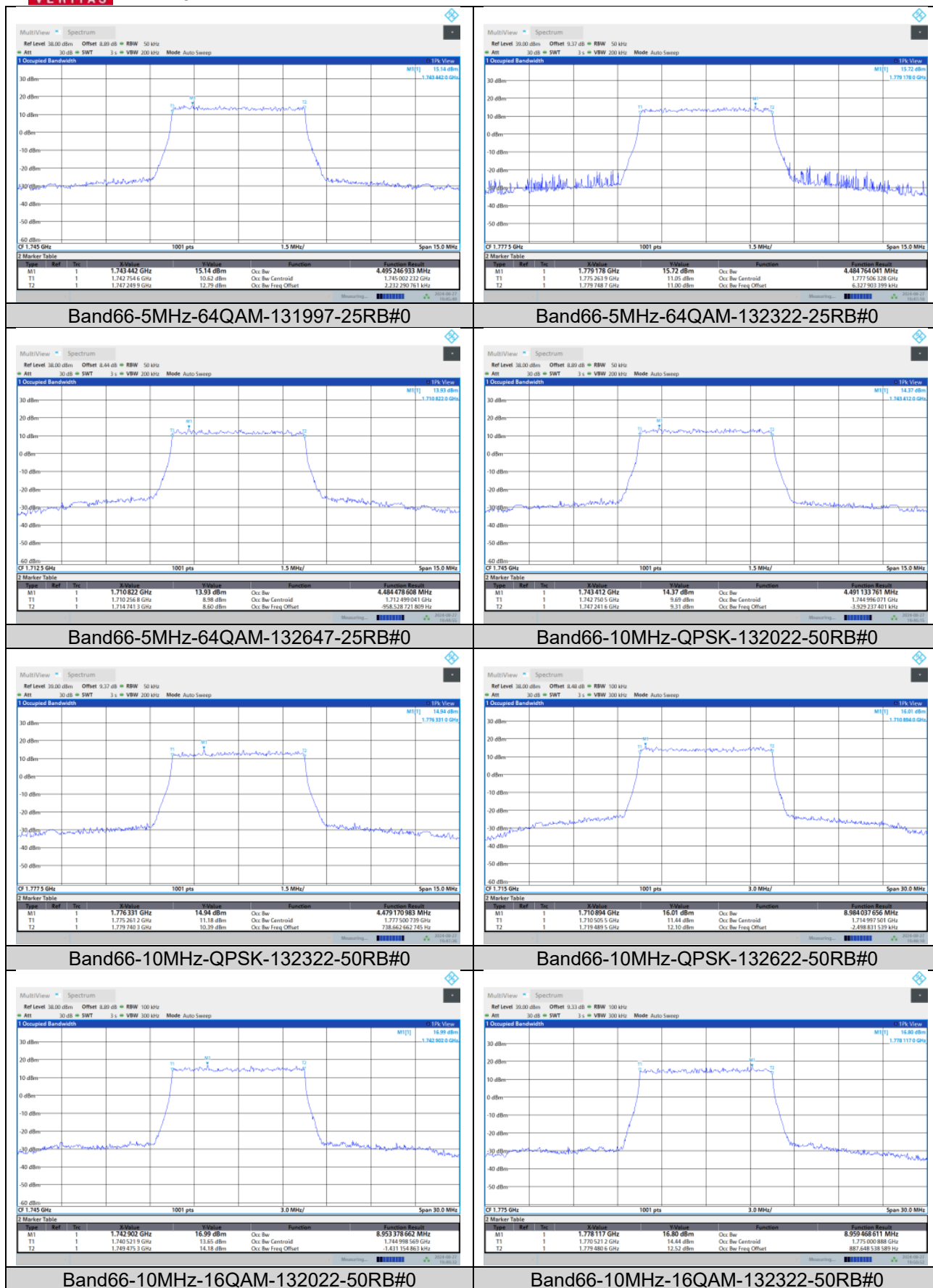
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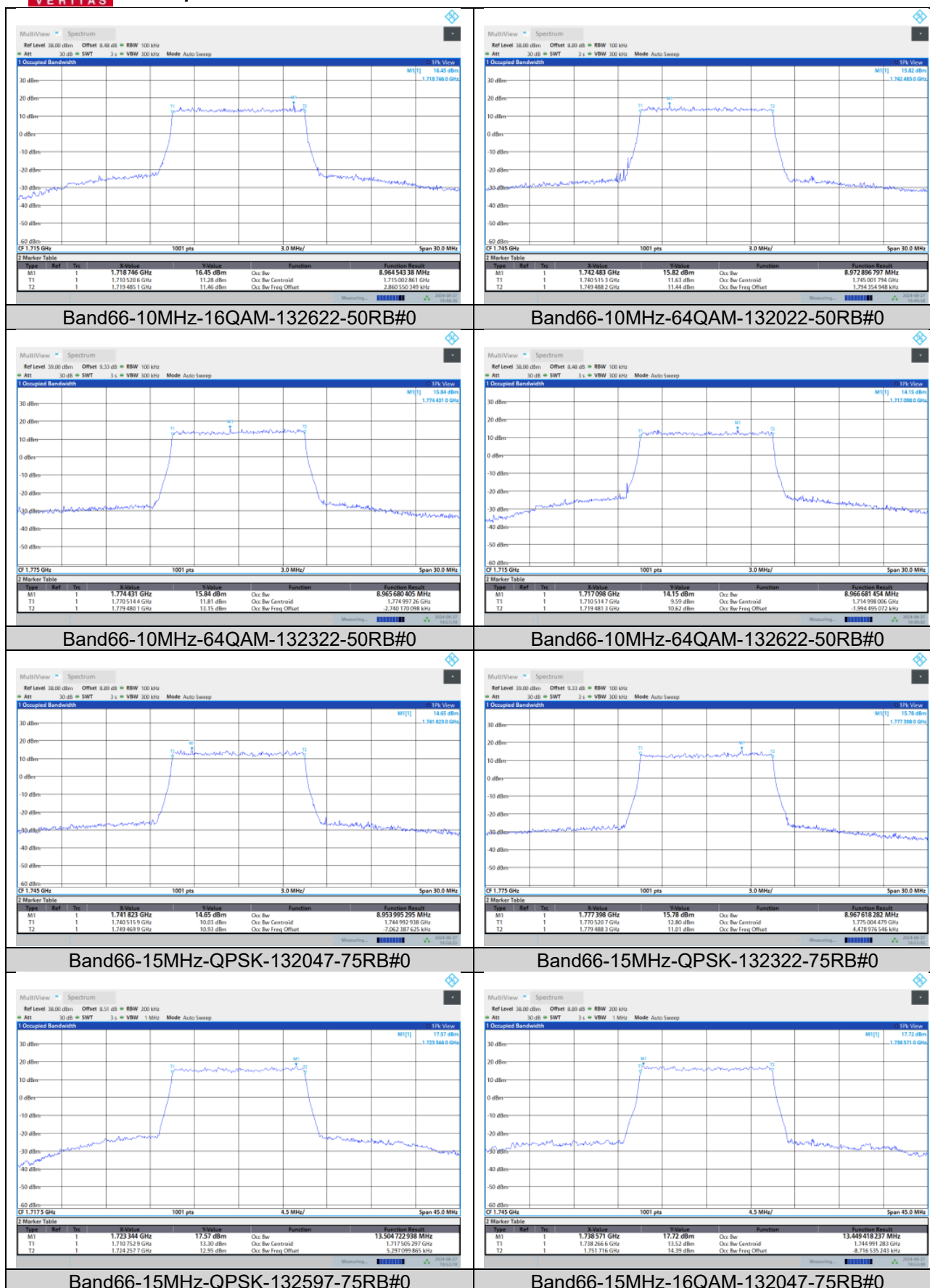
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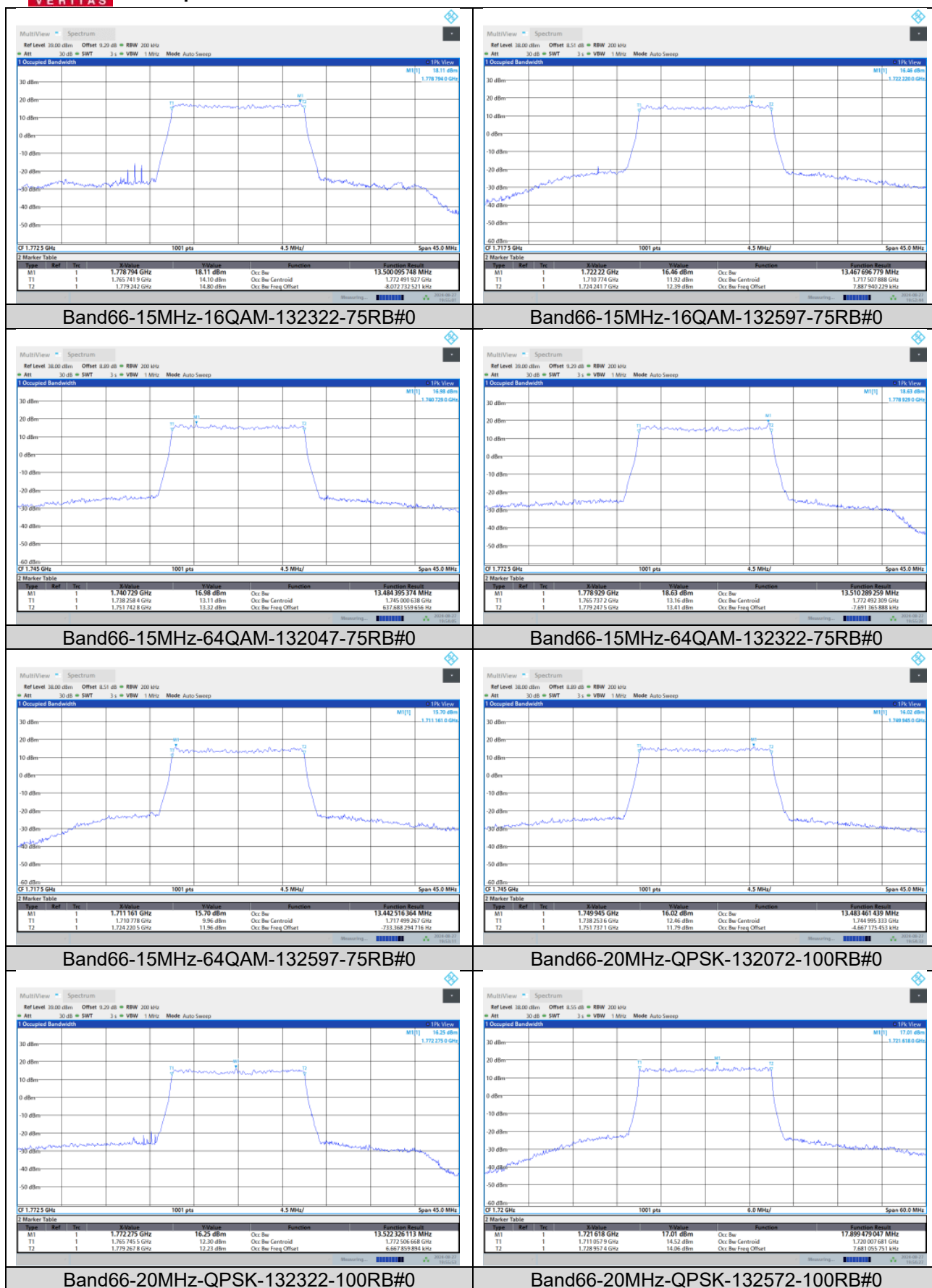
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BV 7Layers Communications
Technology (Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan
4th Road, Zhaoshang Street, Nanshan
District Shenzhen, Guangdong, People's
Republic of China

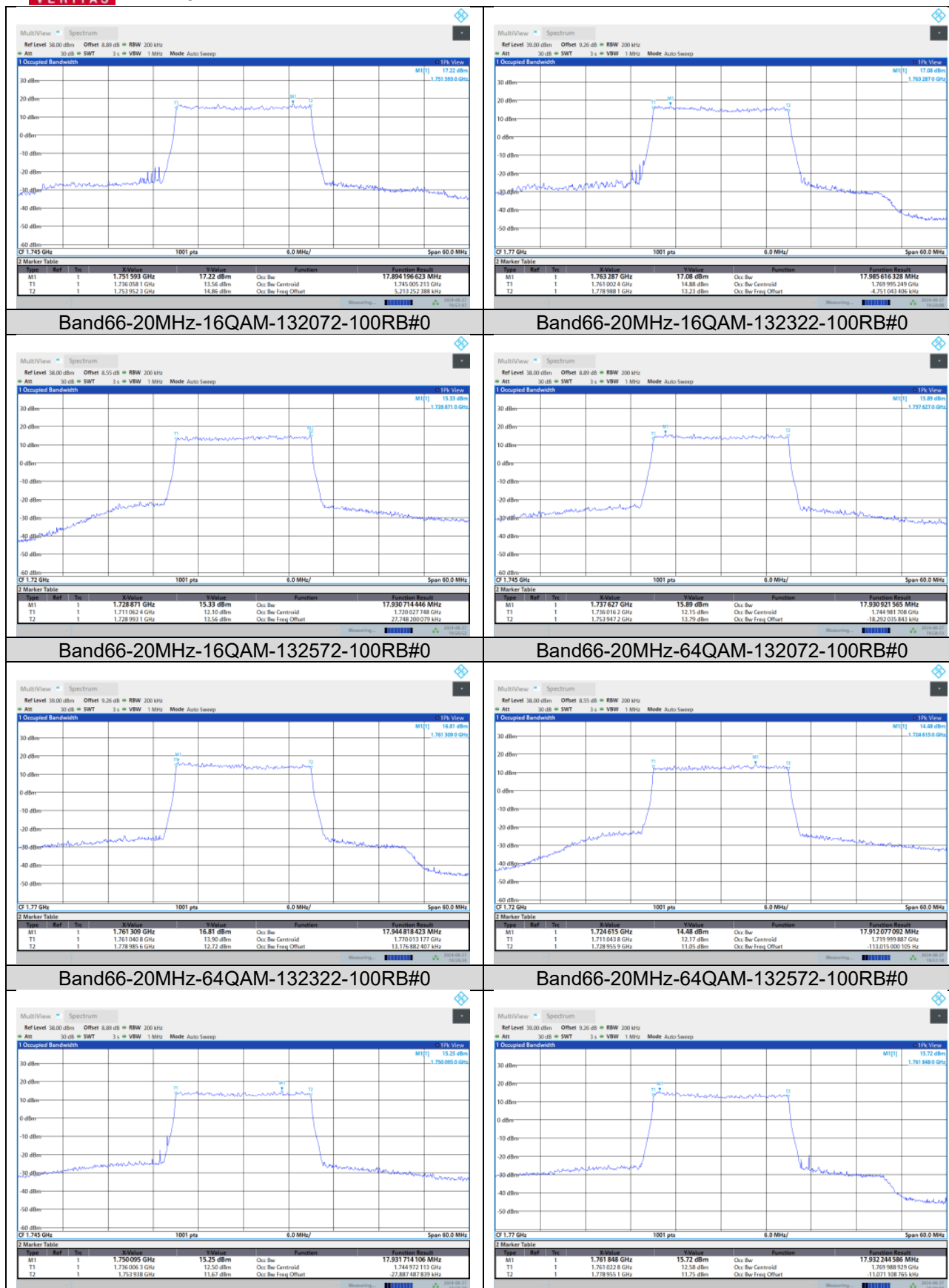
Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email:

customerservice.sw@bureauveritas.com



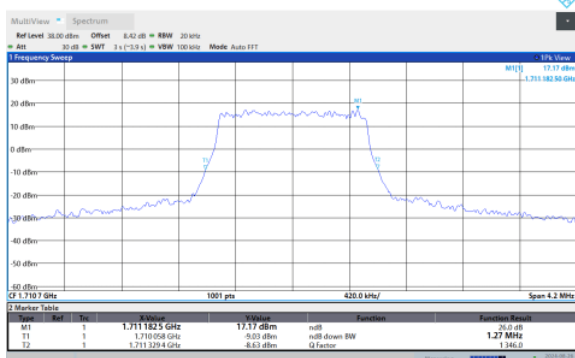
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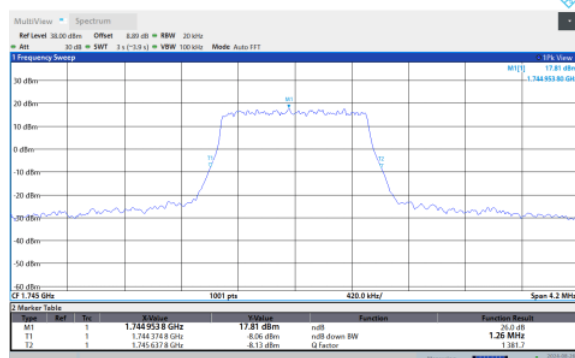




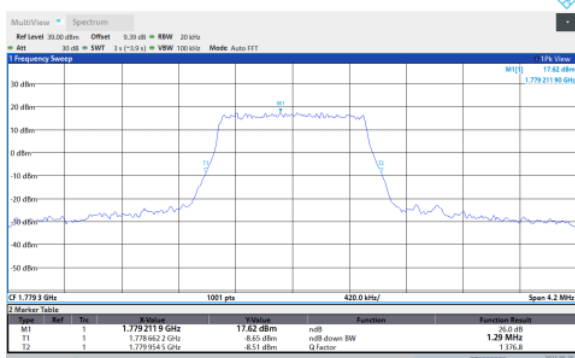
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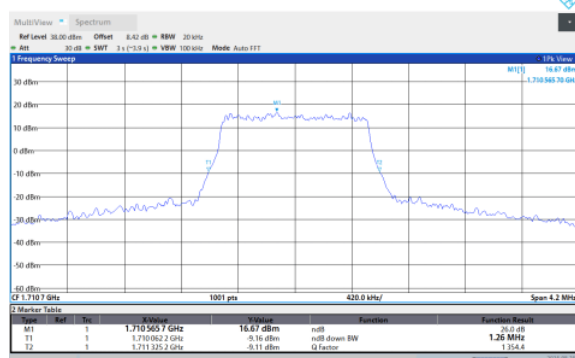
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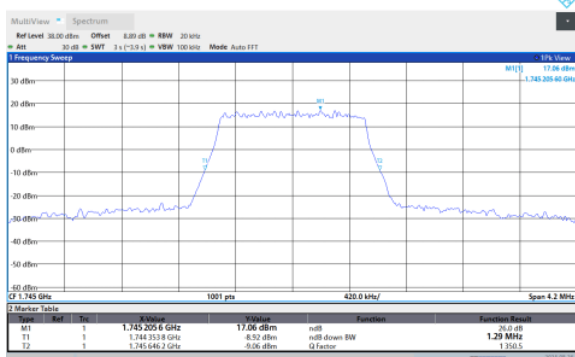
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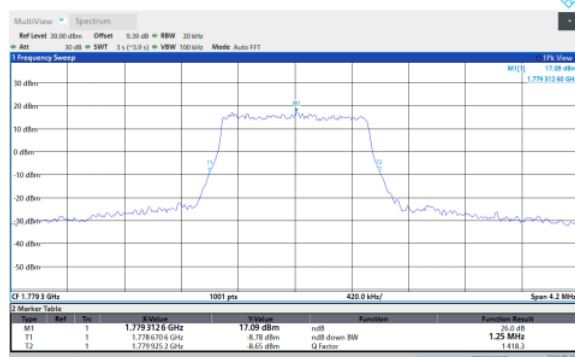
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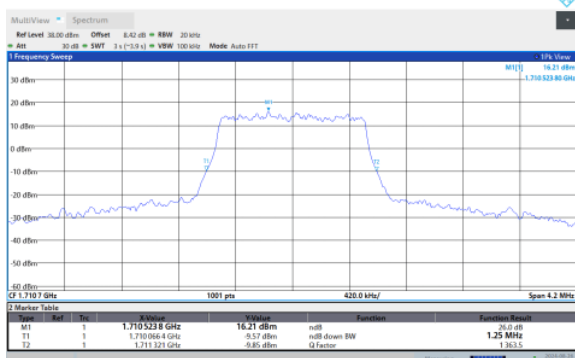
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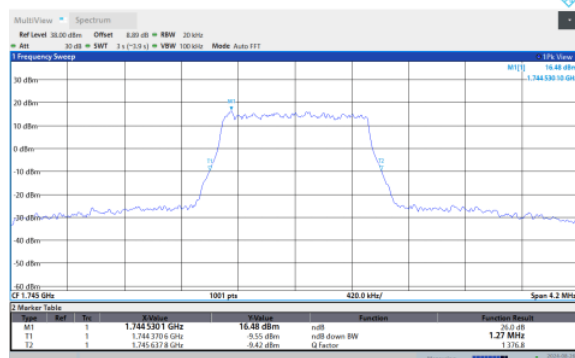
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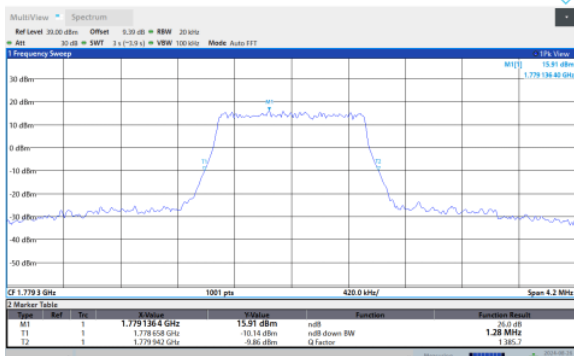
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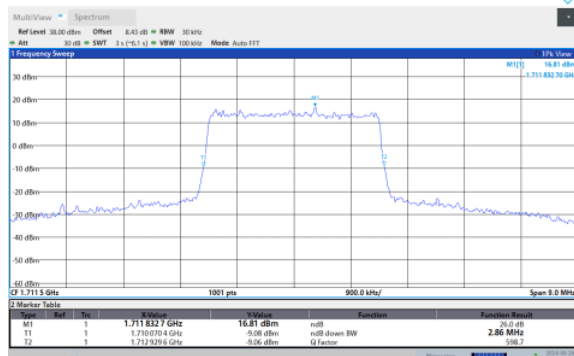


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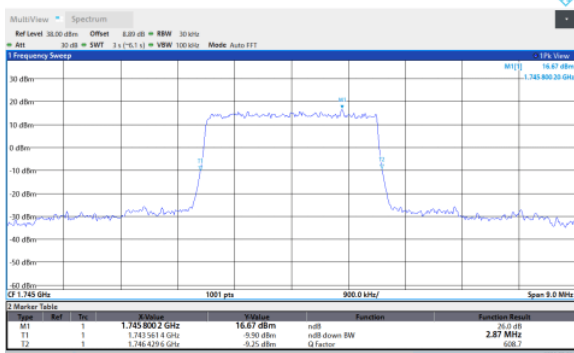
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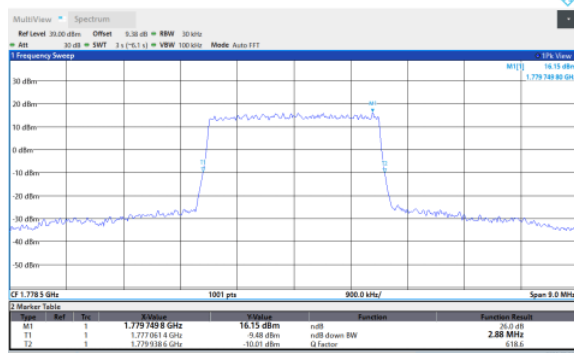
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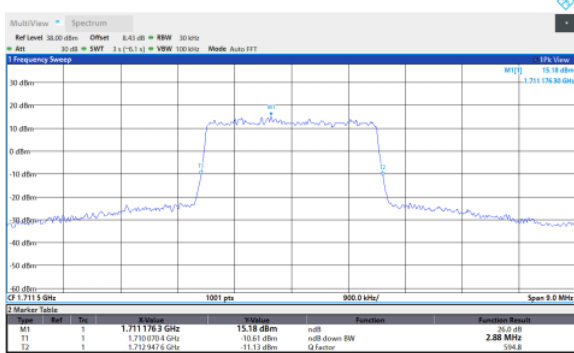
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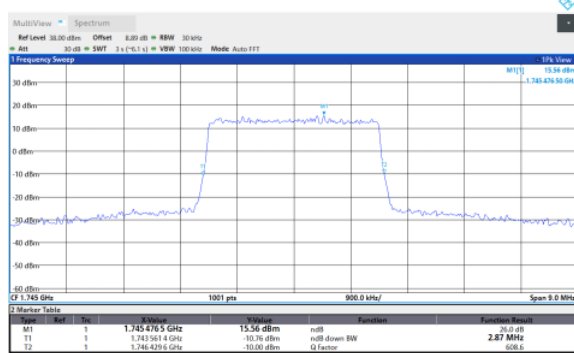
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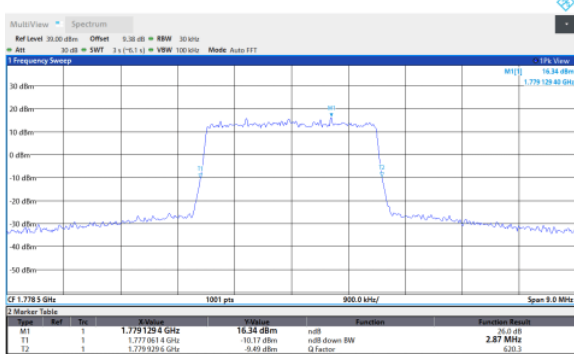
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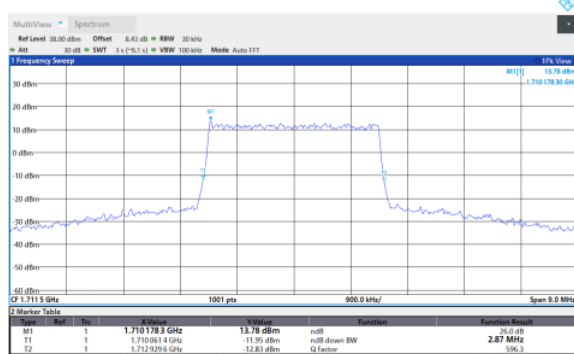
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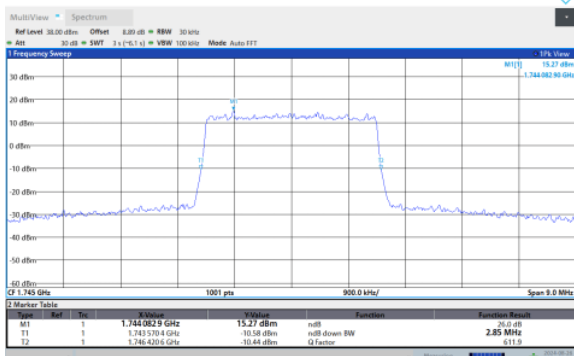


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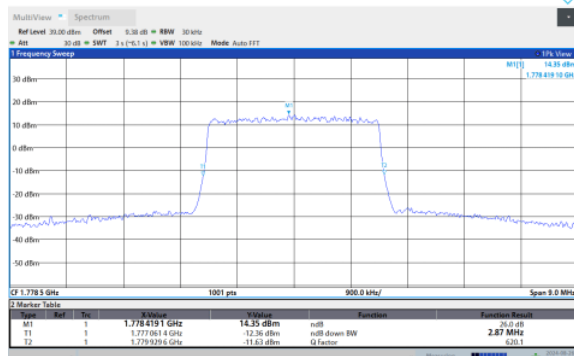


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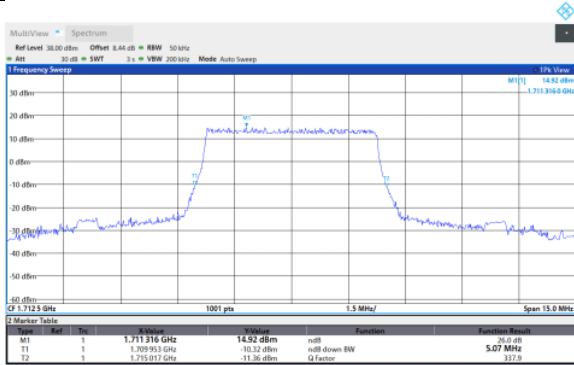
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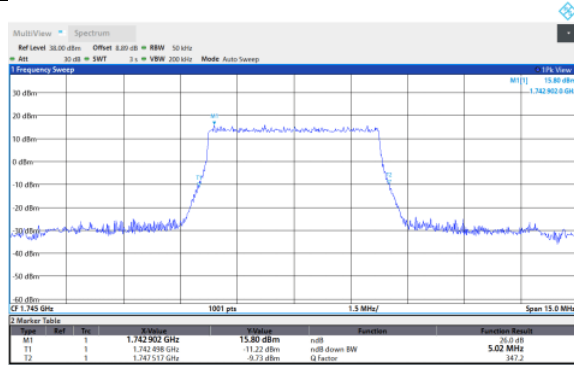
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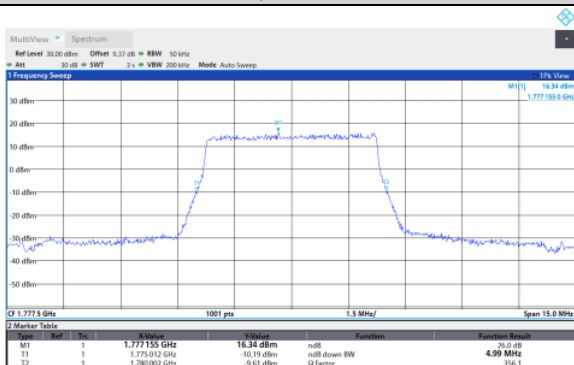
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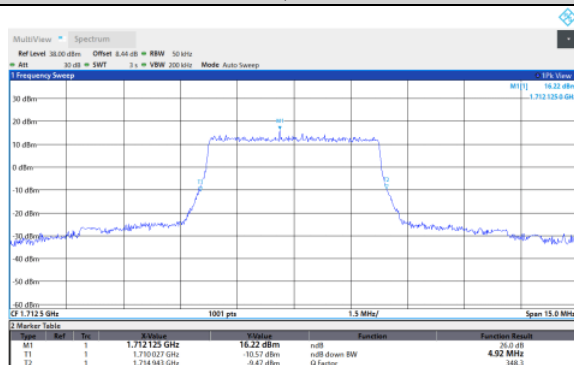
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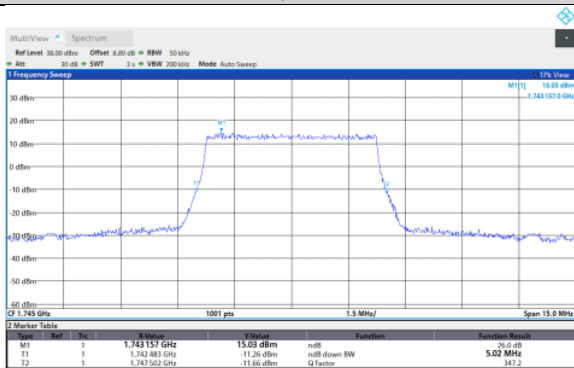
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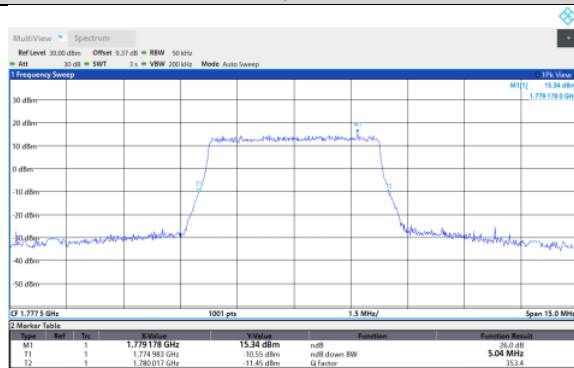
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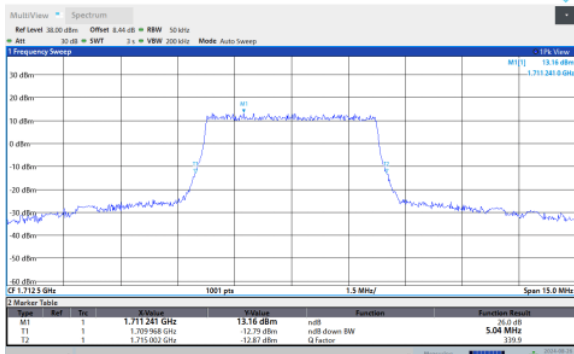


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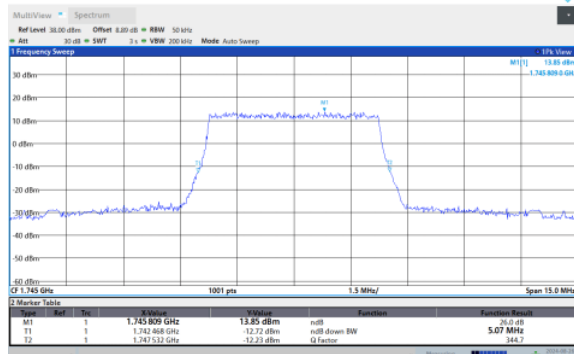


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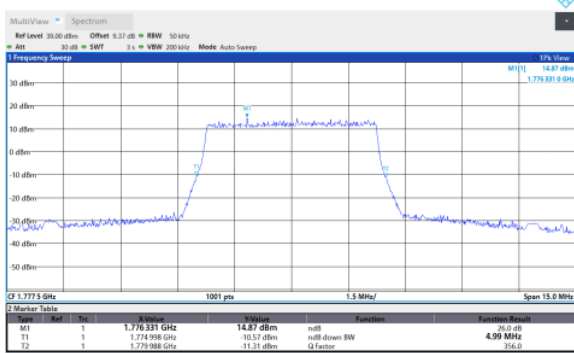
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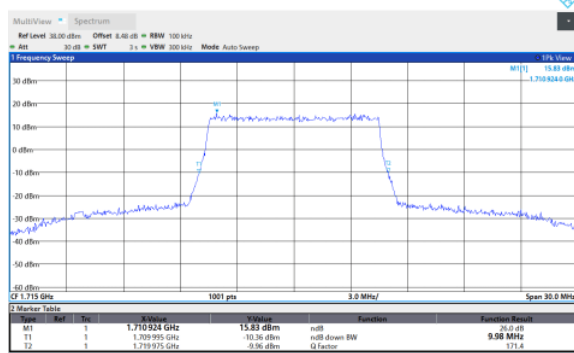
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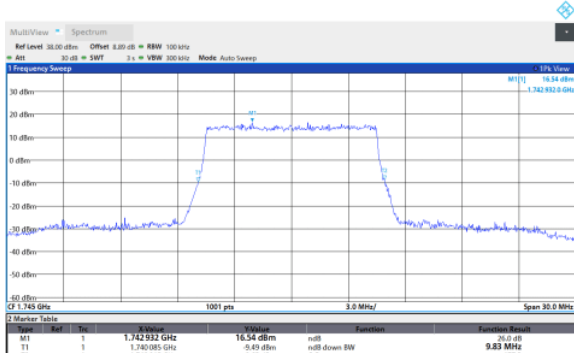
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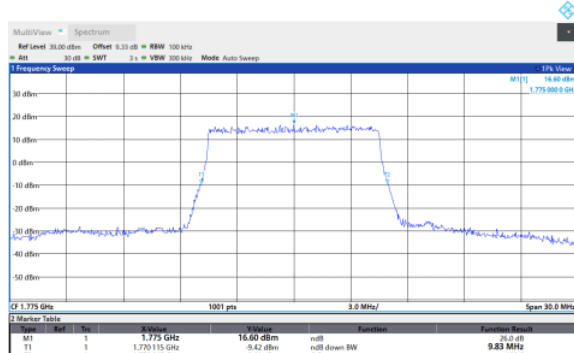
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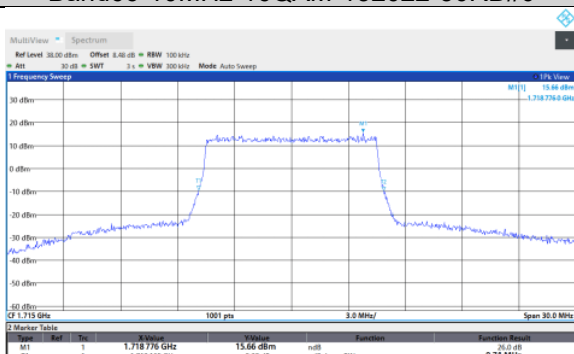
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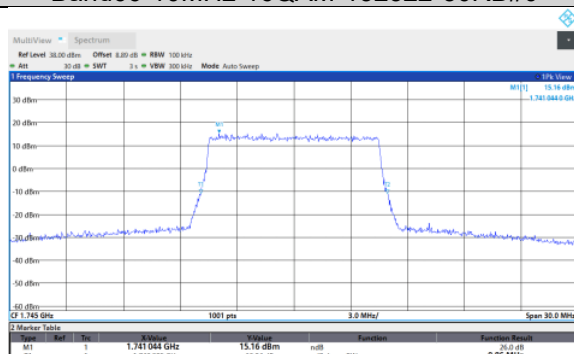
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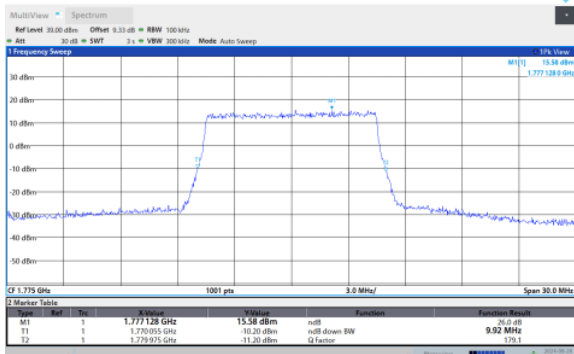


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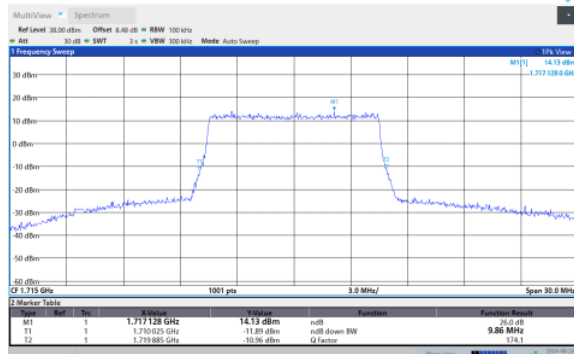


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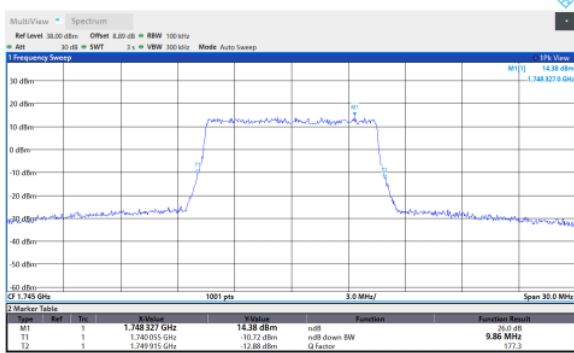
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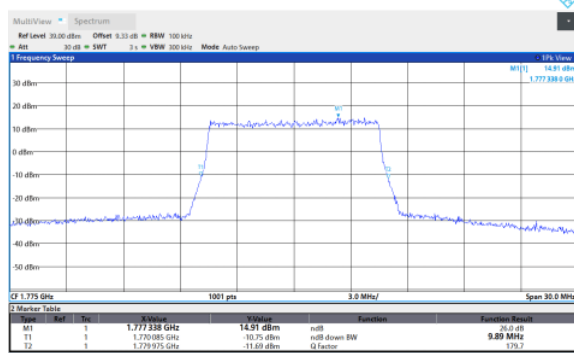
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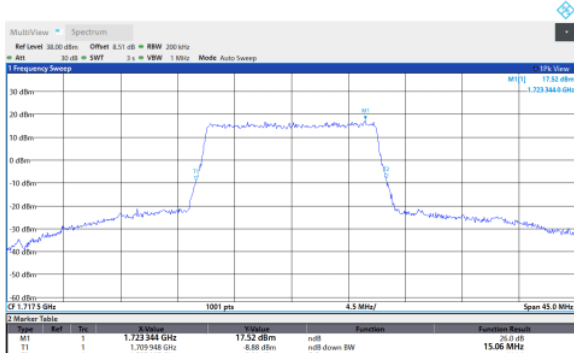
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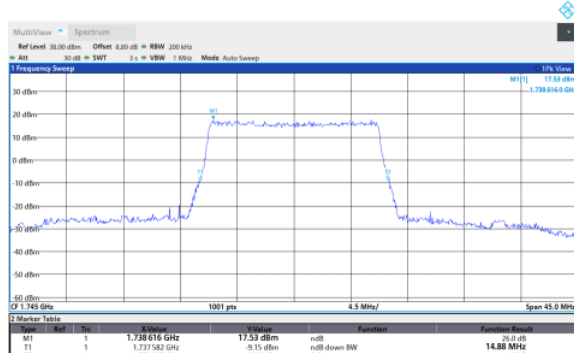
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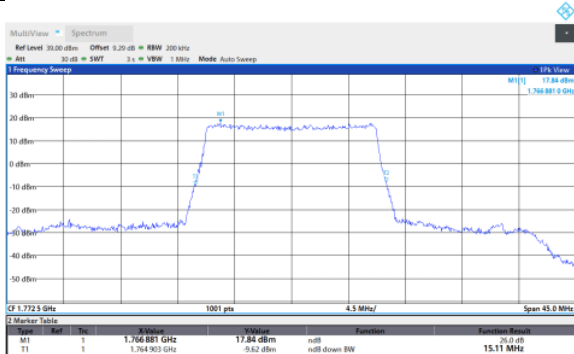
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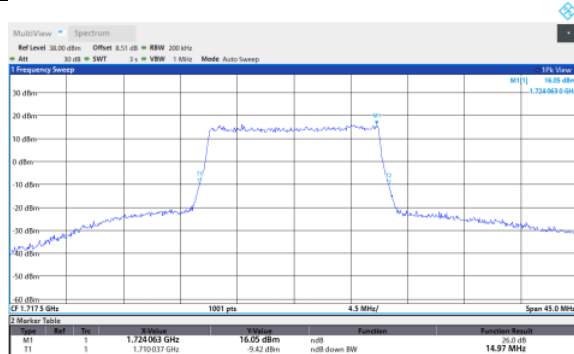
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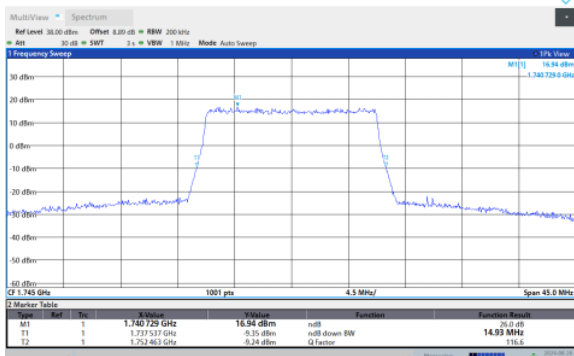


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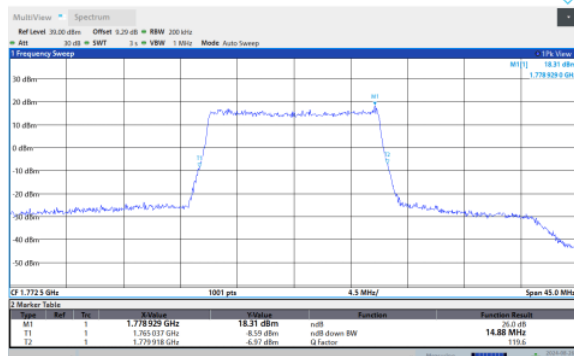


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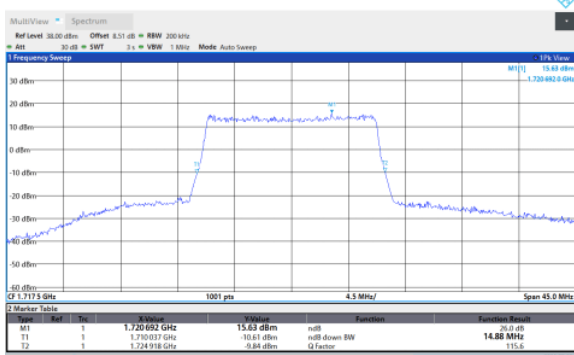
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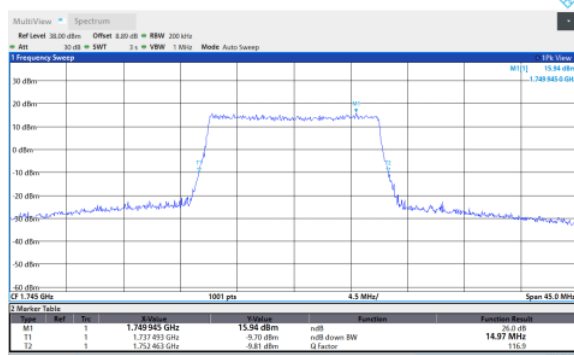
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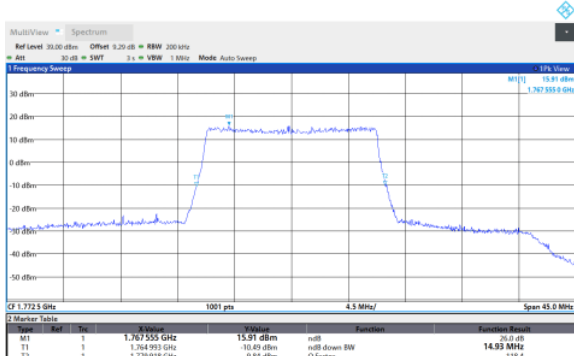
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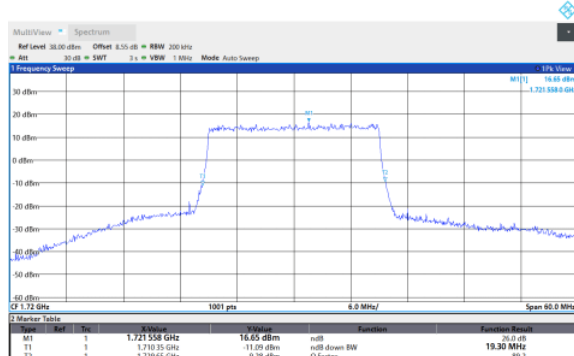
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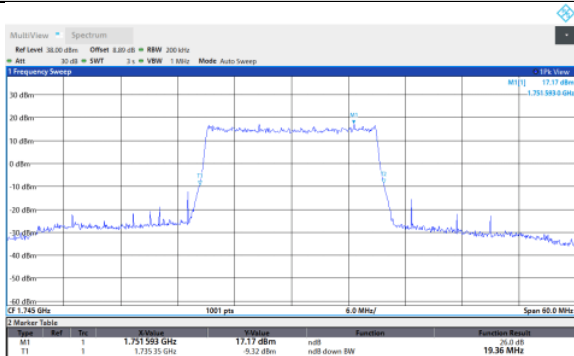
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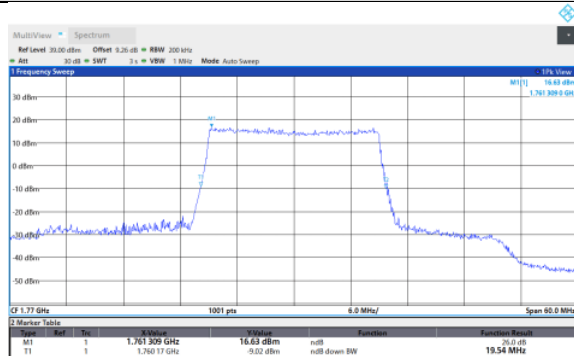
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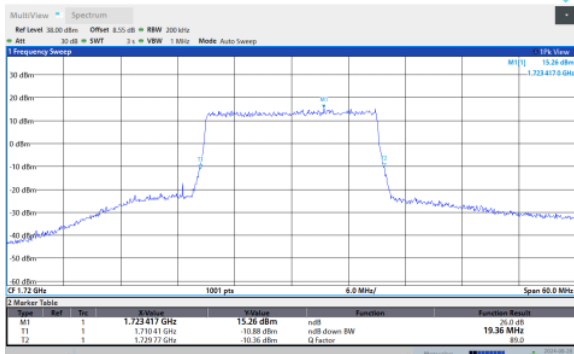


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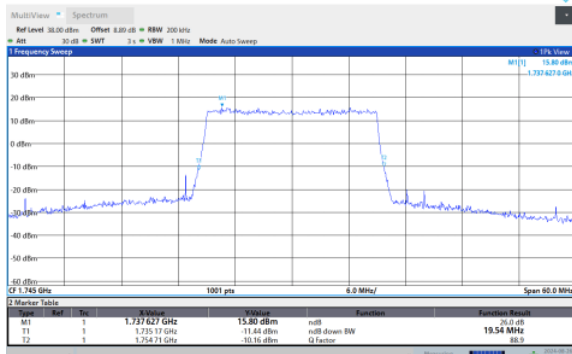


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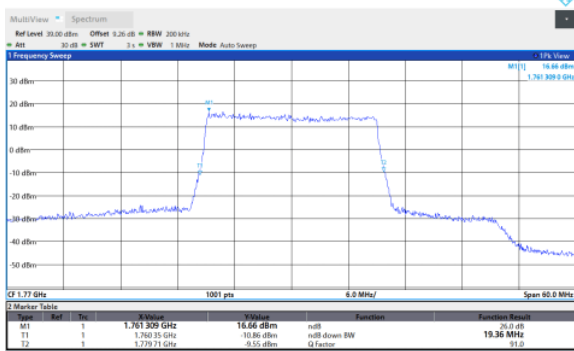
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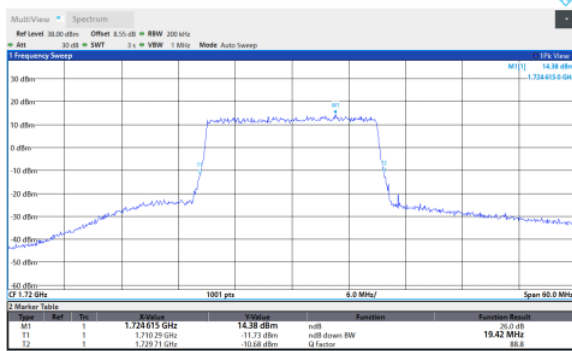
Band66-20MHz-16QAM-132572-100RB#0



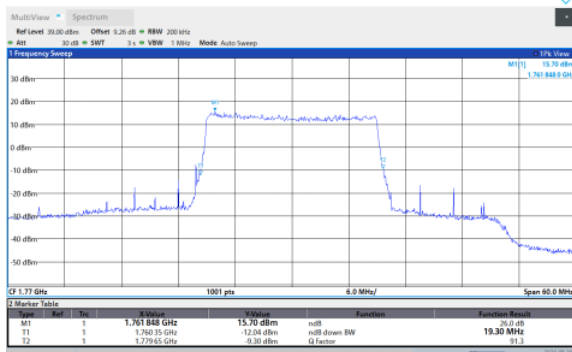
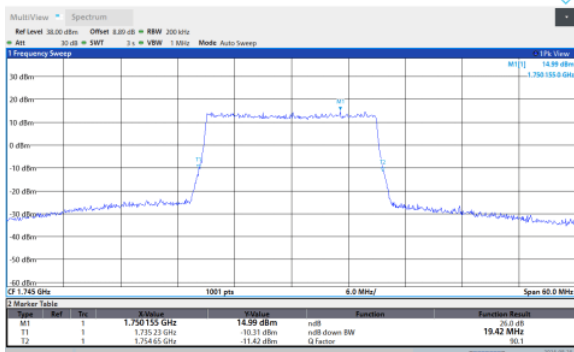
Band66-20MHz-64QAM-132072-100RB#0



Band66-20MHz-64QAM-132322-100RB#0



Band66-20MHz-64QAM-132572-100RB#0





BAND EDGE

Test Result

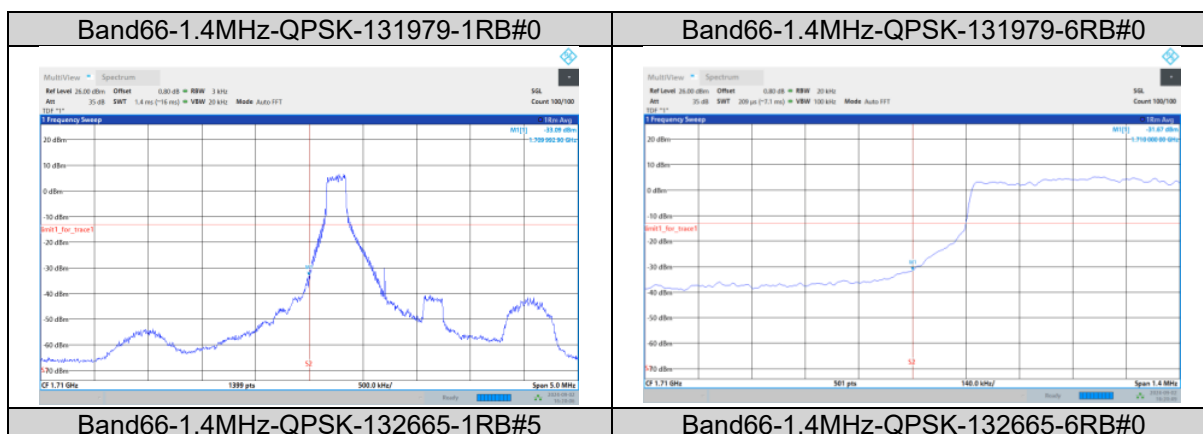
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	See Graph	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	See Graph	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	See Graph	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	See Graph	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	See Graph	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	See Graph	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	See Graph	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	See Graph	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	See Graph	PASS
Band66	1.4MHz	64QAM	131979	6RB#0	See Graph	PASS
Band66	1.4MHz	64QAM	132665	1RB#5	See Graph	PASS
Band66	1.4MHz	64QAM	132665	6RB#0	See Graph	PASS
Band66	3MHz	QPSK	131987	1RB#0	See Graph	PASS
Band66	3MHz	QPSK	131987	15RB#0	See Graph	PASS
Band66	3MHz	QPSK	132657	1RB#14	See Graph	PASS
Band66	3MHz	QPSK	132657	15RB#0	See Graph	PASS
Band66	3MHz	16QAM	131987	1RB#0	See Graph	PASS
Band66	3MHz	16QAM	131987	15RB#0	See Graph	PASS
Band66	3MHz	16QAM	132657	1RB#14	See Graph	PASS
Band66	3MHz	16QAM	132657	15RB#0	See Graph	PASS
Band66	3MHz	64QAM	131987	1RB#0	See Graph	PASS
Band66	3MHz	64QAM	131987	15RB#0	See Graph	PASS
Band66	3MHz	64QAM	132657	1RB#14	See Graph	PASS
Band66	3MHz	64QAM	132657	15RB#0	See Graph	PASS
Band66	5MHz	QPSK	131997	1RB#0	See Graph	PASS
Band66	5MHz	QPSK	131997	25RB#0	See Graph	PASS
Band66	5MHz	QPSK	132647	1RB#24	See Graph	PASS
Band66	5MHz	QPSK	132647	25RB#0	See Graph	PASS
Band66	5MHz	16QAM	131997	1RB#0	See Graph	PASS
Band66	5MHz	16QAM	131997	25RB#0	See Graph	PASS
Band66	5MHz	16QAM	132647	1RB#24	See Graph	PASS
Band66	5MHz	16QAM	132647	25RB#0	See Graph	PASS
Band66	5MHz	64QAM	131997	1RB#0	See Graph	PASS
Band66	5MHz	64QAM	131997	25RB#0	See Graph	PASS
Band66	5MHz	64QAM	132647	1RB#24	See Graph	PASS
Band66	5MHz	64QAM	132647	25RB#0	See Graph	PASS
Band66	10MHz	QPSK	132022	1RB#0	See Graph	PASS
Band66	10MHz	QPSK	132022	50RB#0	See Graph	PASS
Band66	10MHz	QPSK	132622	1RB#49	See Graph	PASS
Band66	10MHz	QPSK	132622	50RB#0	See Graph	PASS
Band66	10MHz	16QAM	132022	1RB#0	See Graph	PASS
Band66	10MHz	16QAM	132022	50RB#0	See Graph	PASS
Band66	10MHz	16QAM	132622	1RB#49	See Graph	PASS
Band66	10MHz	16QAM	132622	50RB#0	See Graph	PASS
Band66	10MHz	64QAM	132022	1RB#0	See Graph	PASS
Band66	10MHz	64QAM	132022	50RB#0	See Graph	PASS
Band66	10MHz	64QAM	132622	1RB#49	See Graph	PASS
Band66	10MHz	64QAM	132622	50RB#0	See Graph	PASS
Band66	15MHz	QPSK	132047	1RB#0	See Graph	PASS



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Band66	15MHz	QPSK	132047	75RB#0	See Graph	PASS
Band66	15MHz	QPSK	132597	1RB#74	See Graph	PASS
Band66	15MHz	QPSK	132597	75RB#0	See Graph	PASS
Band66	15MHz	16QAM	132047	1RB#0	See Graph	PASS
Band66	15MHz	16QAM	132047	75RB#0	See Graph	PASS
Band66	15MHz	16QAM	132597	1RB#74	See Graph	PASS
Band66	15MHz	16QAM	132597	75RB#0	See Graph	PASS
Band66	15MHz	64QAM	132047	1RB#0	See Graph	PASS
Band66	15MHz	64QAM	132047	75RB#0	See Graph	PASS
Band66	15MHz	64QAM	132597	1RB#74	See Graph	PASS
Band66	15MHz	64QAM	132597	75RB#0	See Graph	PASS
Band66	20MHz	QPSK	132072	1RB#0	See Graph	PASS
Band66	20MHz	QPSK	132072	100RB#0	See Graph	PASS
Band66	20MHz	QPSK	132572	1RB#99	See Graph	PASS
Band66	20MHz	QPSK	132572	100RB#0	See Graph	PASS
Band66	20MHz	16QAM	132072	1RB#0	See Graph	PASS
Band66	20MHz	16QAM	132072	100RB#0	See Graph	PASS
Band66	20MHz	16QAM	132572	1RB#99	See Graph	PASS
Band66	20MHz	16QAM	132572	100RB#0	See Graph	PASS
Band66	20MHz	64QAM	132072	1RB#0	See Graph	PASS
Band66	20MHz	64QAM	132072	100RB#0	See Graph	PASS
Band66	20MHz	64QAM	132572	1RB#99	See Graph	PASS
Band66	20MHz	64QAM	132572	100RB#0	See Graph	PASS

Test Graphs



BV 7Layers Communications
Technology (Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan
4th Road, Zhaoshang Street, Nanshan
District Shenzhen, Guangdong, People's
Republic of China

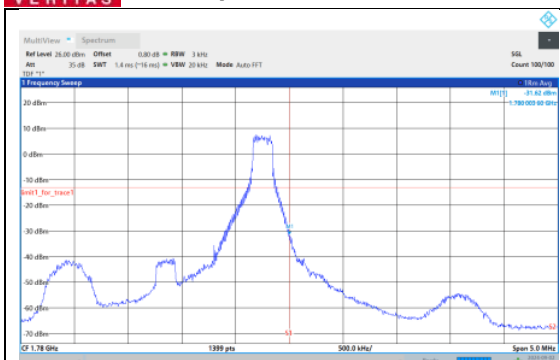
Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email:

customerservice.sw@bureauveritas.com

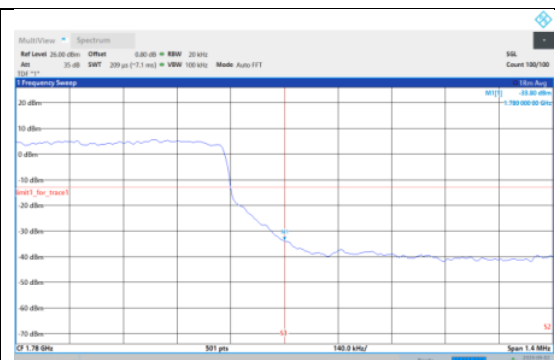


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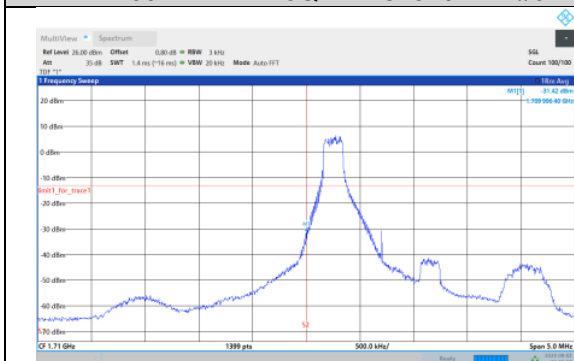
Test Report No.: PSU-NQN2407300216RF04



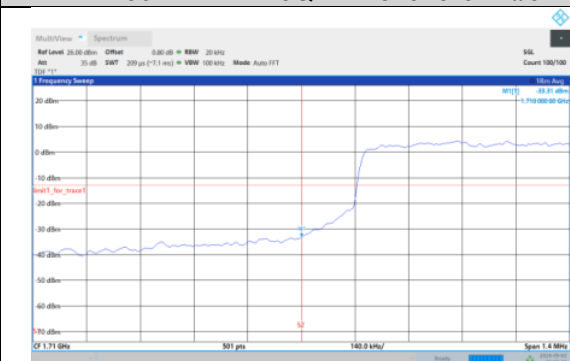
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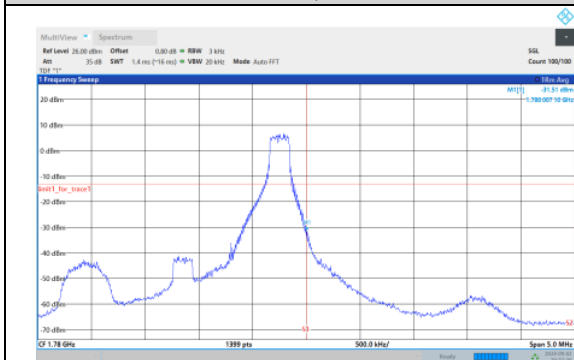
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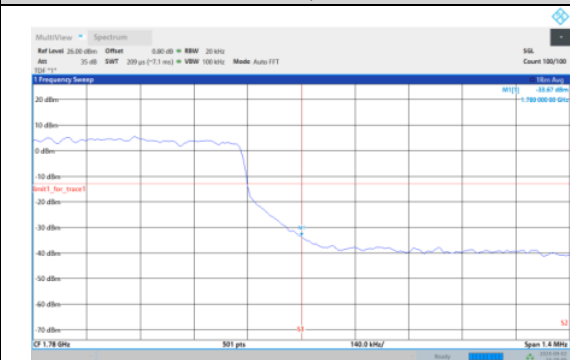
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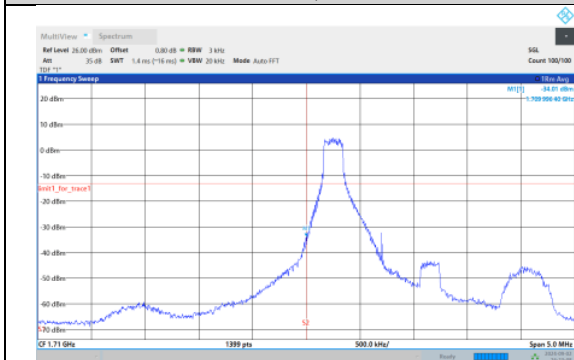
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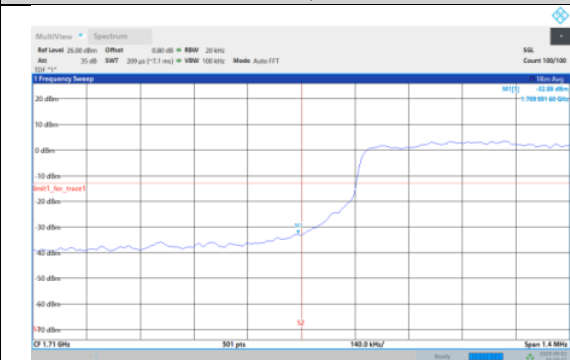
Band66-1.4MHz-64QAM-131979-1RB#0



Band66-1.4MHz-64QAM-131979-6RB#0



Band66-1.4MHz-64QAM-132665-1RB#5

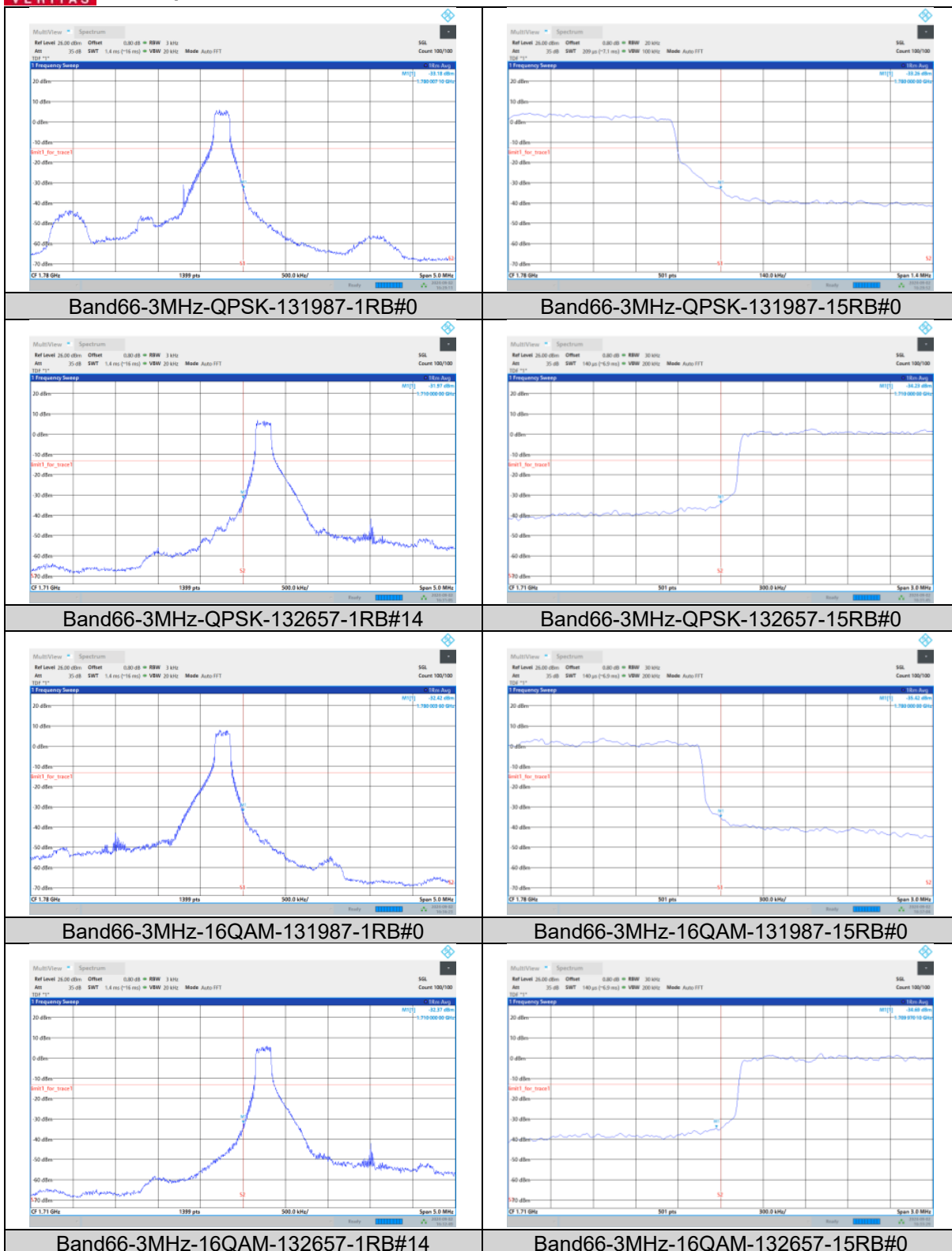


Band66-1.4MHz-64QAM-132665-6RB#0



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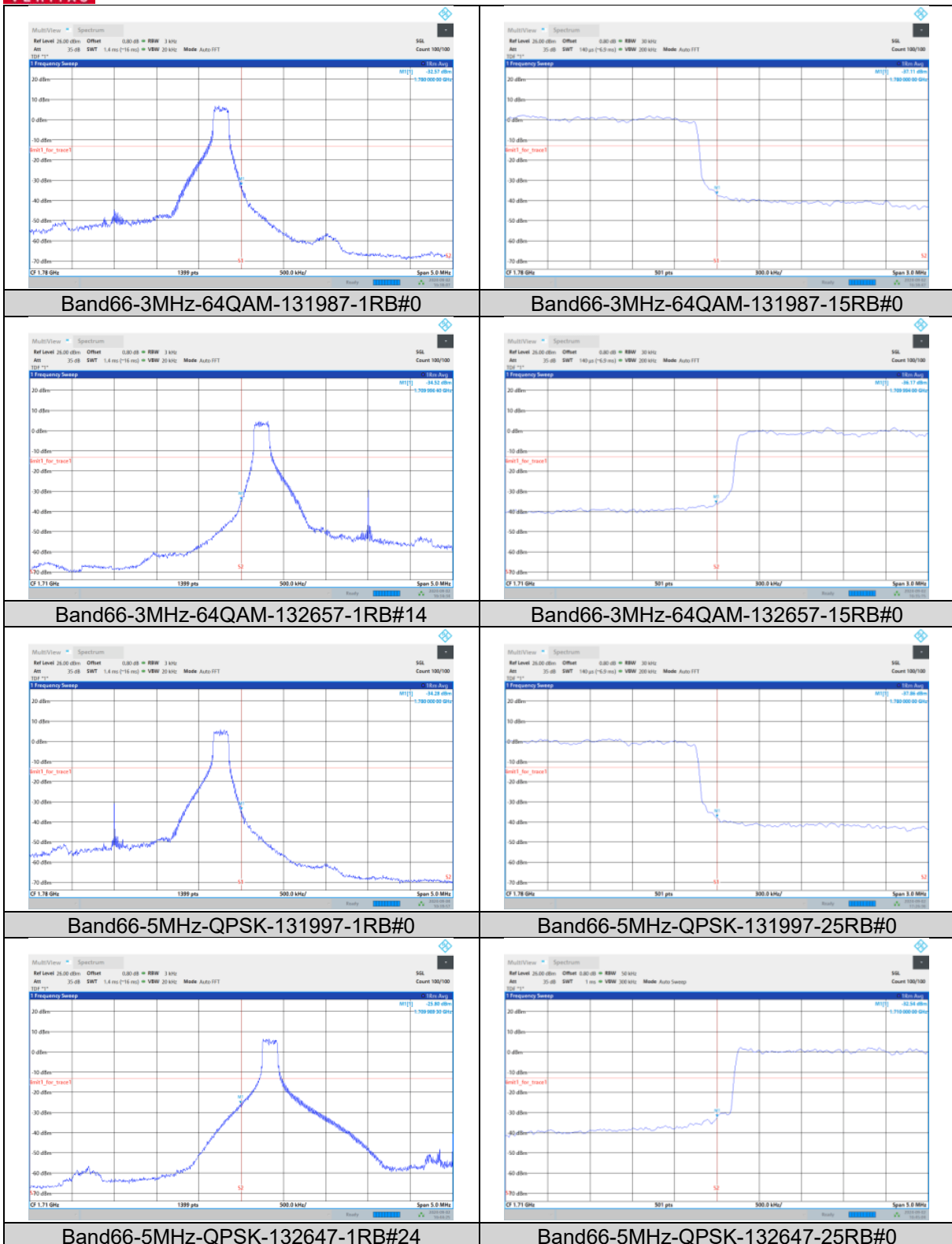
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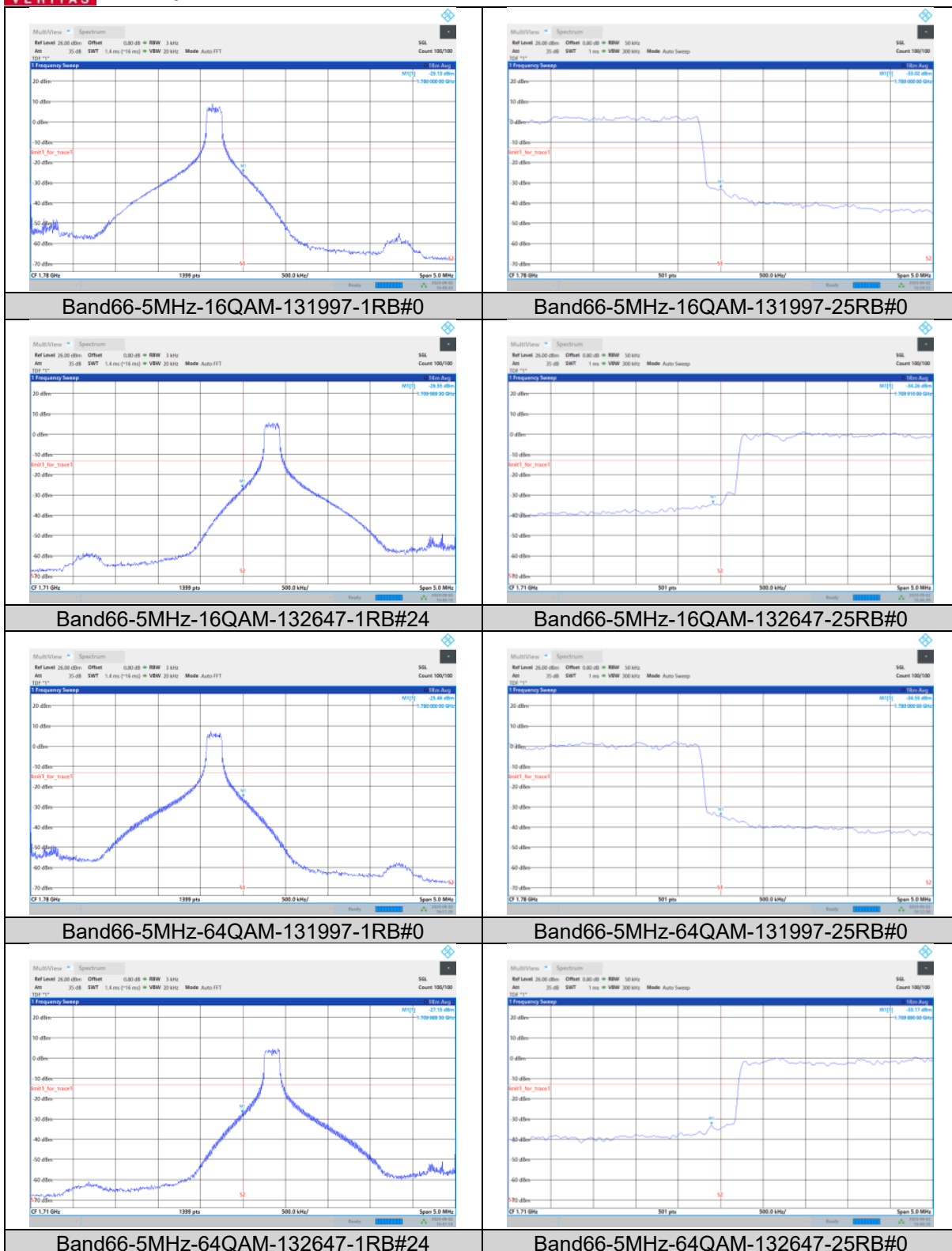
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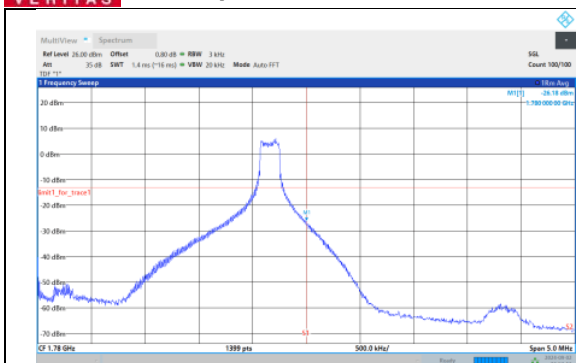
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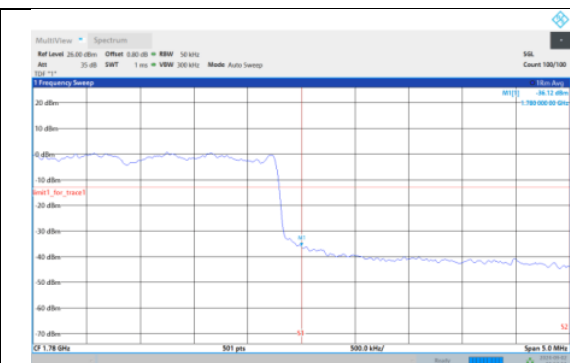


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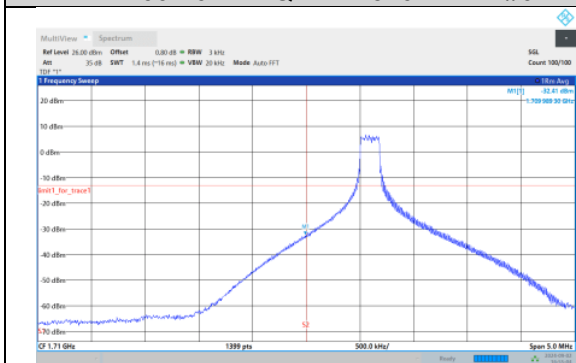
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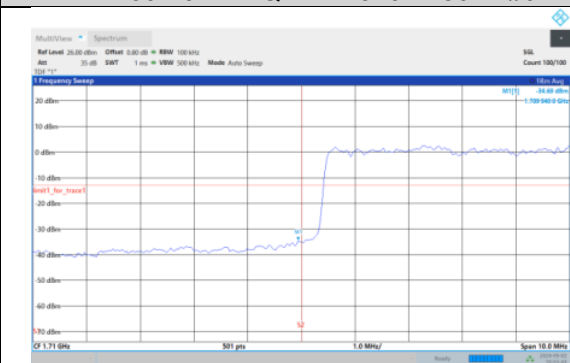
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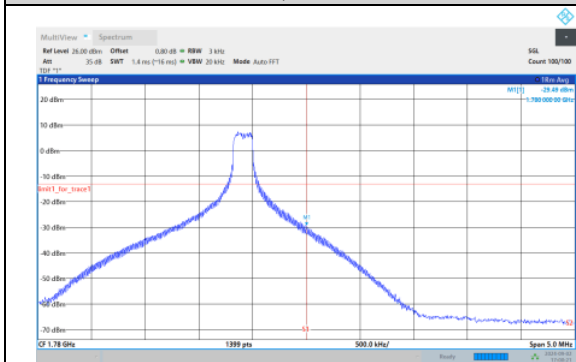
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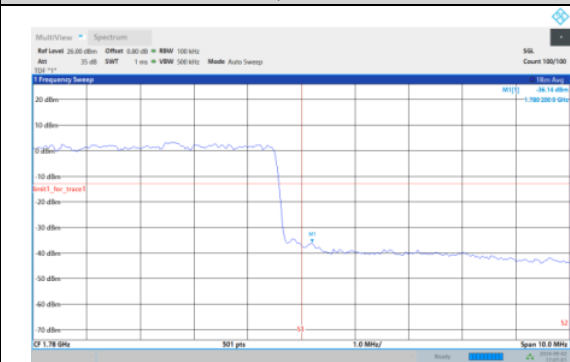
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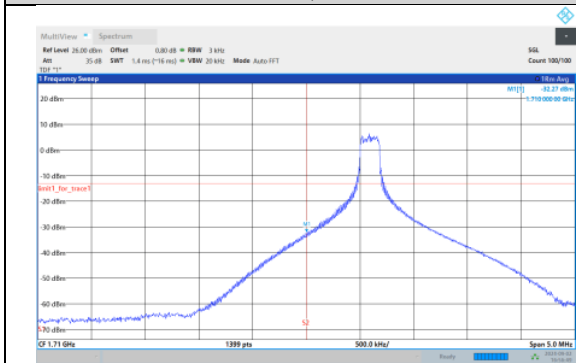
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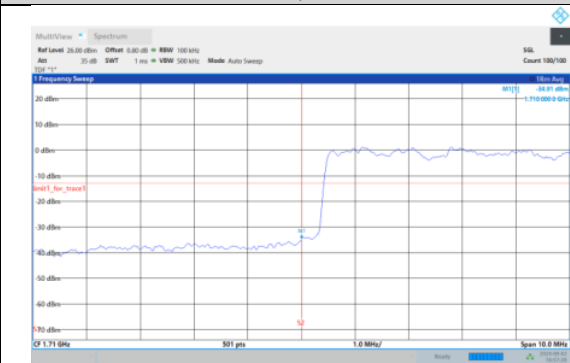
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Band66-10MHz-16QAM-132022-50RB#0



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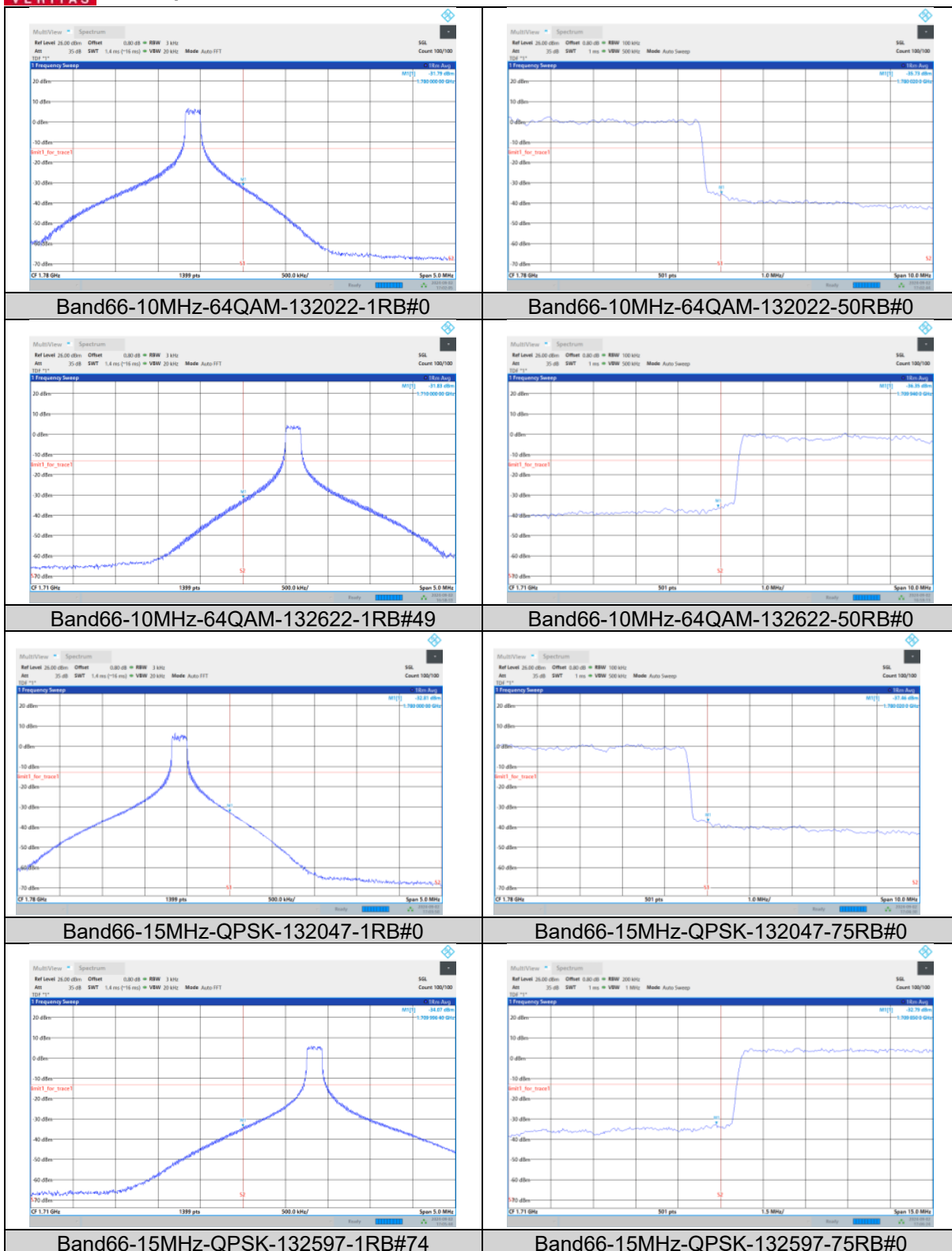


Band66-10MHz-16QAM-132622-50RB#0



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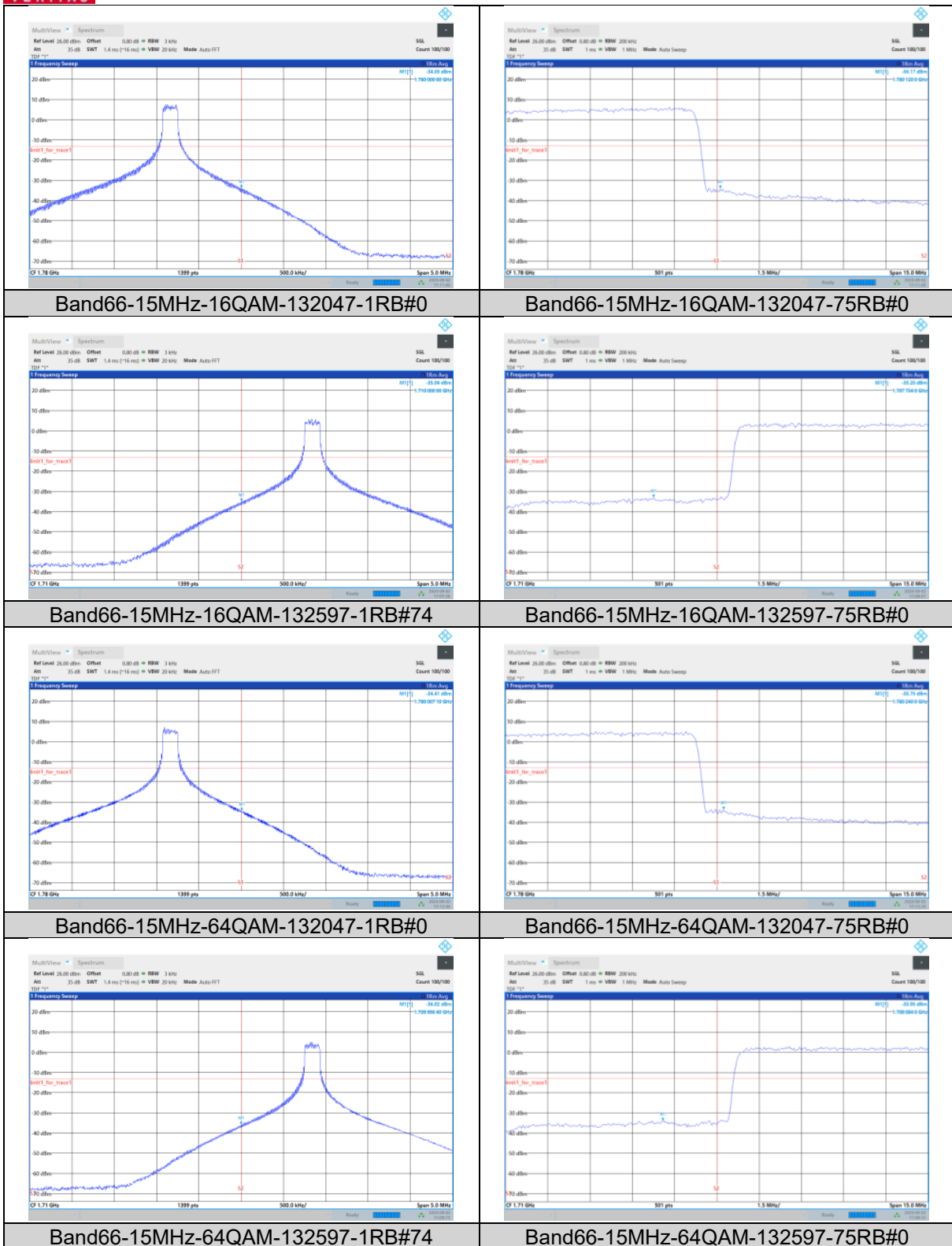
Test Report No.: PSU-NQN2407300216RF04





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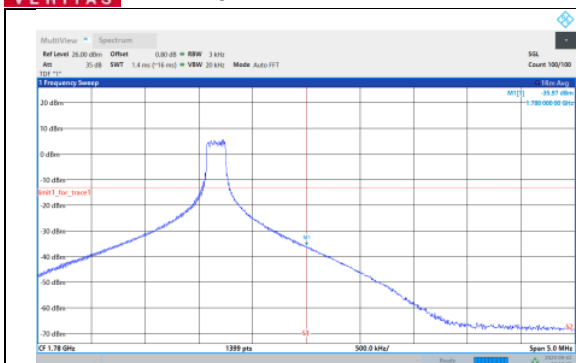
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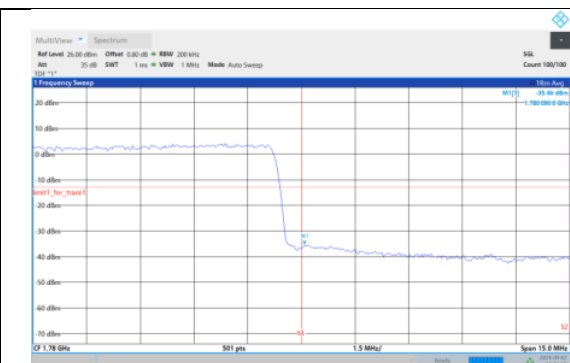


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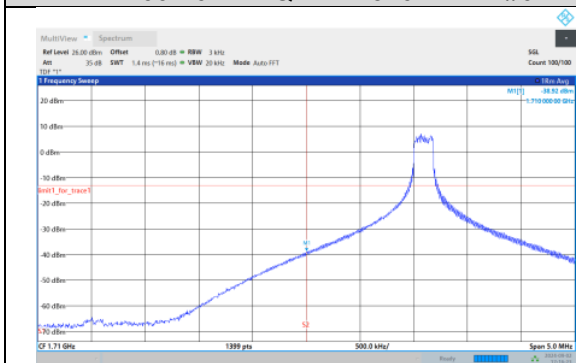
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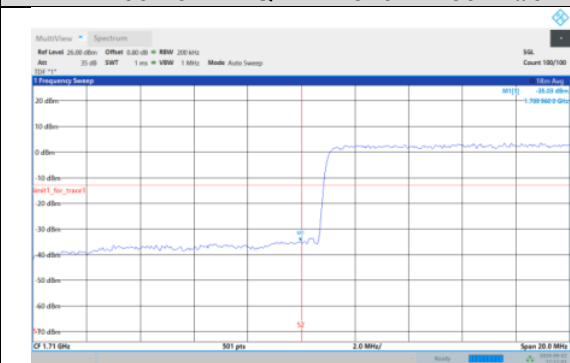
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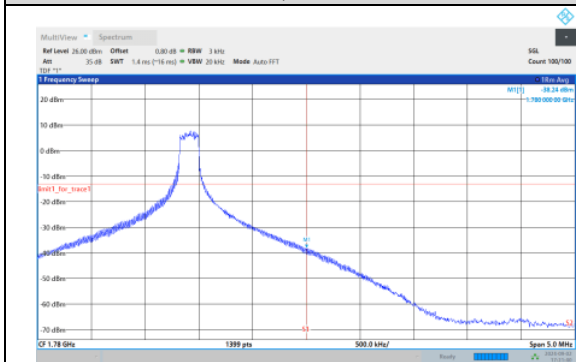
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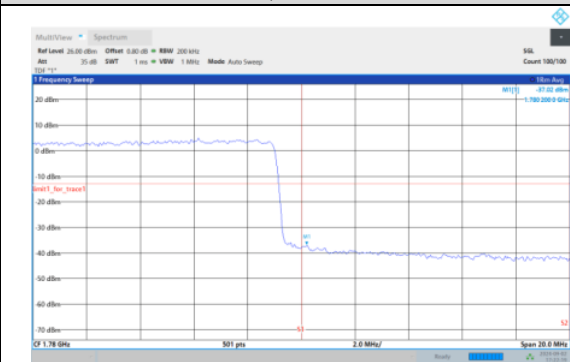
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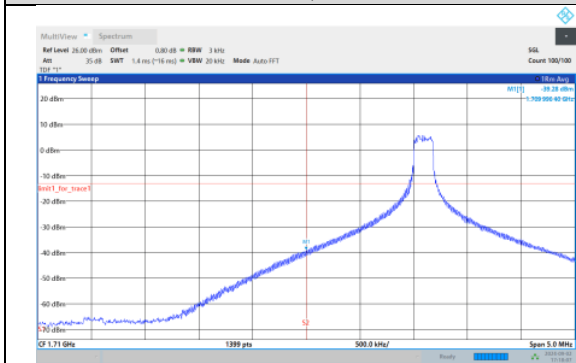
Band66-20MHz-QPSK-132572-100RB#0



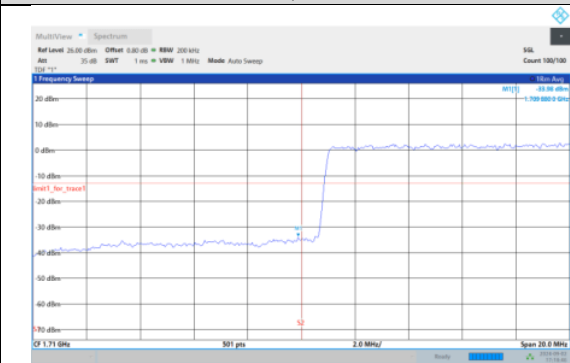
Band66-20MHz-16QAM-132072-1RB#0



Band66-20MHz-16QAM-132072-100RB#0



Band66-20MHz-16QAM-132572-1RB#99

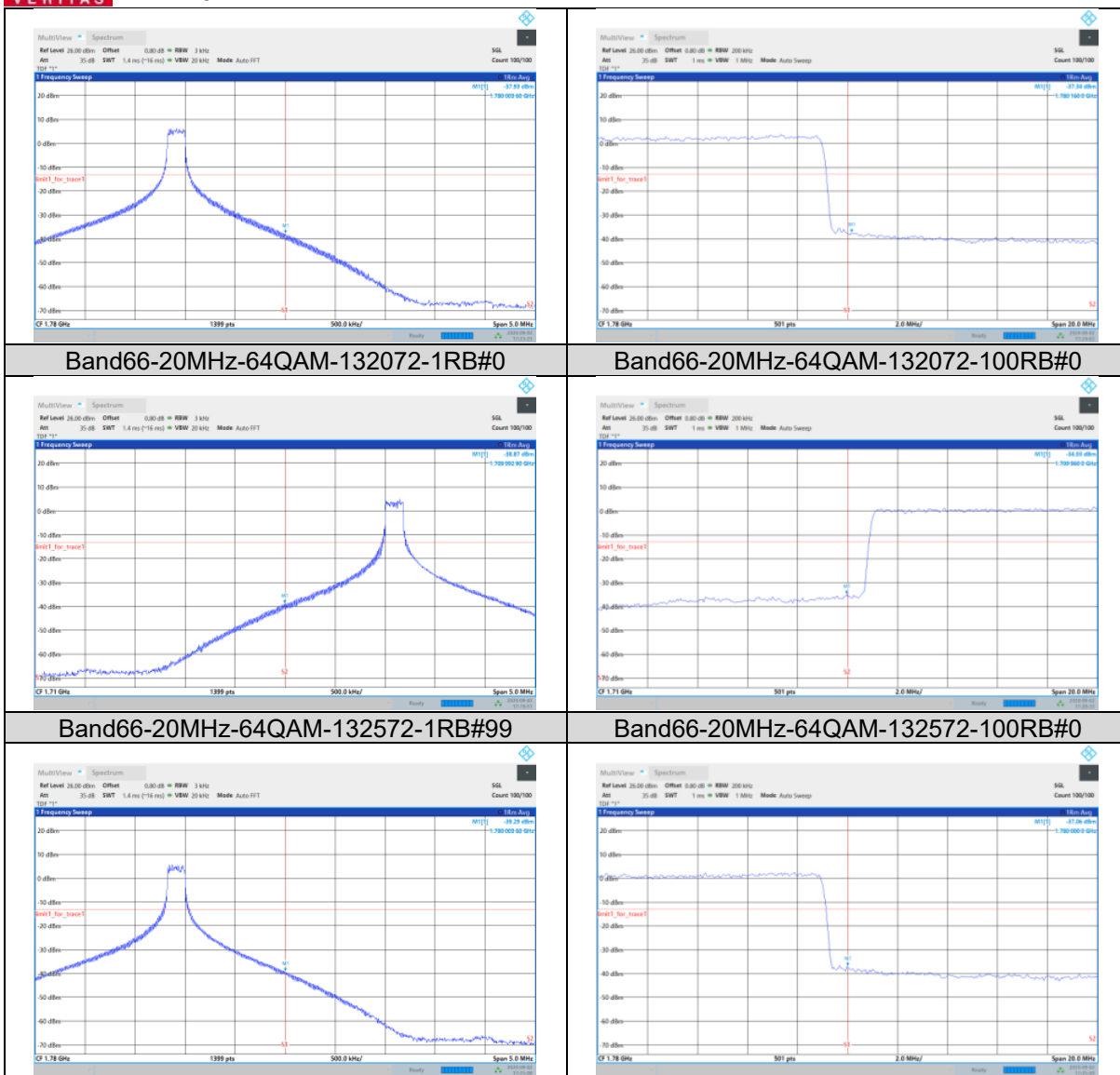


Band66-20MHz-16QAM-132572-100RB#0



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VERITAS

Test Report No.: PSU-NQN2407300216RF04





CONDUCTED SPURIOUS EMISSION

Test Result

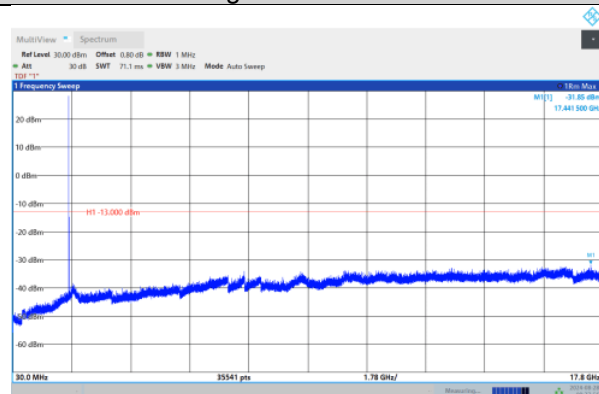
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	1.4MHz	64QAM	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	3MHz	QPSK	131987	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	3MHz	QPSK	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	3MHz	QPSK	132657	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	3MHz	16QAM	131987	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	3MHz	16QAM	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	3MHz	16QAM	132657	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	3MHz	64QAM	131987	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	3MHz	64QAM	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	3MHz	64QAM	132657	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	5MHz	QPSK	131997	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	5MHz	QPSK	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	5MHz	QPSK	132647	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	5MHz	16QAM	131997	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	5MHz	16QAM	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	5MHz	16QAM	132647	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	5MHz	64QAM	131997	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	5MHz	64QAM	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	5MHz	64QAM	132647	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	10MHz	QPSK	132022	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	10MHz	QPSK	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	10MHz	QPSK	132622	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	10MHz	16QAM	132022	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	10MHz	16QAM	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	10MHz	16QAM	132622	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	10MHz	64QAM	132022	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	10MHz	64QAM	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	10MHz	64QAM	132622	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	15MHz	QPSK	132047	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	15MHz	QPSK	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	15MHz	QPSK	132597	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	15MHz	16QAM	132047	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	15MHz	16QAM	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	15MHz	16QAM	132597	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	15MHz	64QAM	132047	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	15MHz	64QAM	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	15MHz	64QAM	132597	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
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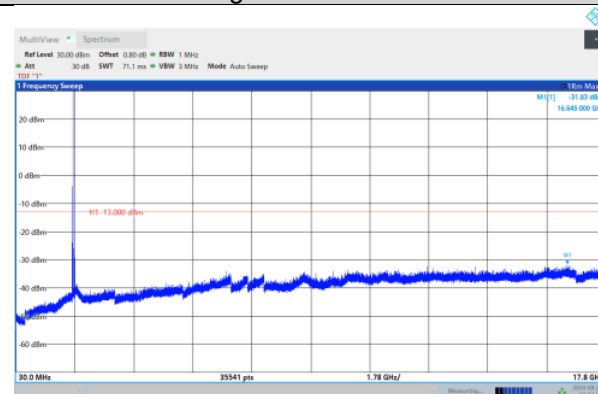
Band66	20MHz	16QAM	132072	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	20MHz	64QAM	132072	1RB#0	Range:30~17800MHz	See Graph	PASS
Band66	20MHz	64QAM	132322	1RB#0	Range:30~17800MHz	See Graph	PASS
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Test Graphs

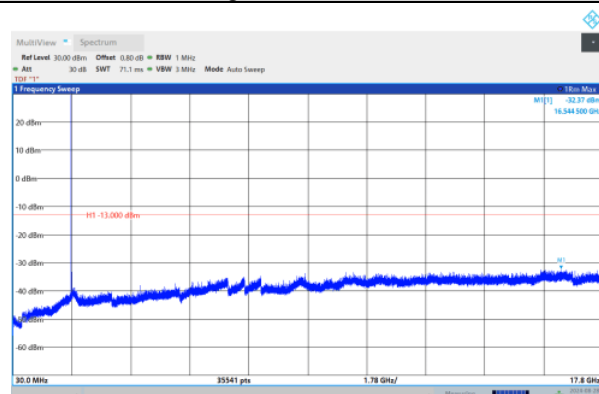
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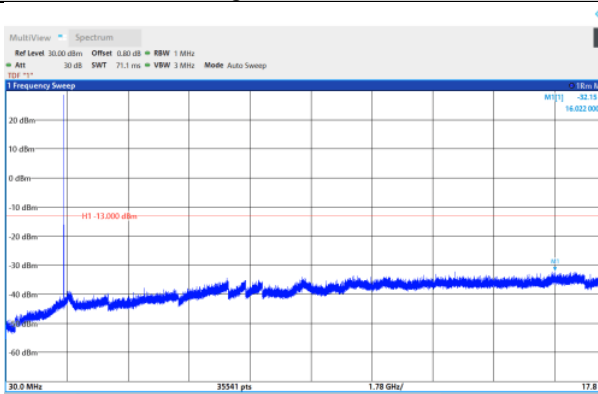
Band66-1.4MHz-QPSK-132322-1RB#0-
Range:30~17800MHz



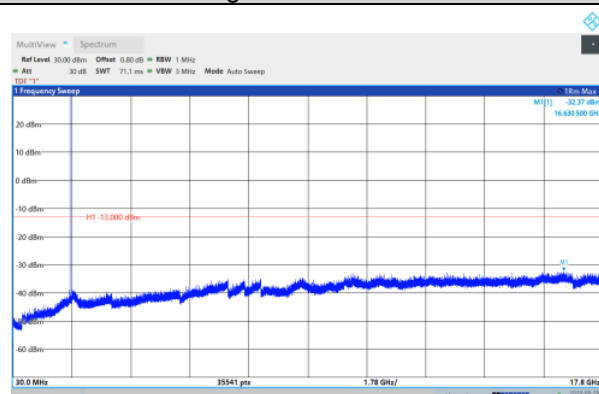
Band66-1.4MHz-QPSK-132665-1RB#0-
Range:30~17800MHz



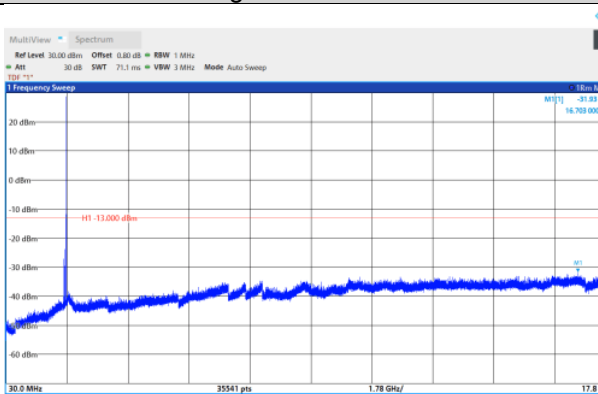
Band66-1.4MHz-16QAM-131979-1RB#0-
Range:30~17800MHz



Band66-1.4MHz-16QAM-132322-1RB#0-
Range:30~17800MHz

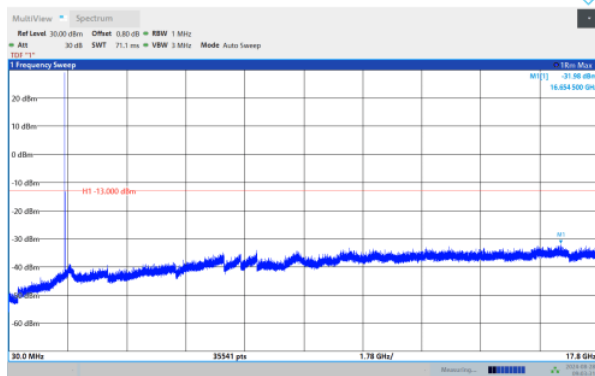


Band66-1.4MHz-16QAM-132665-1RB#0-
Range:30~17800MHz

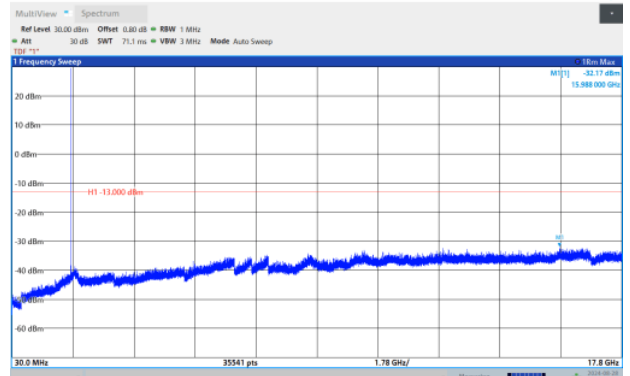




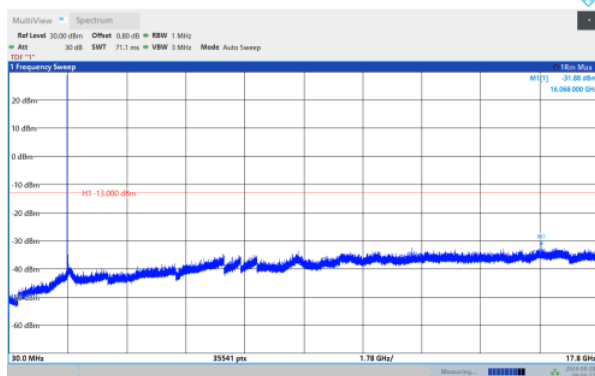
**Band66-1.4MHz-64QAM-131979-1RB#0-
Range:30~17800MHz**



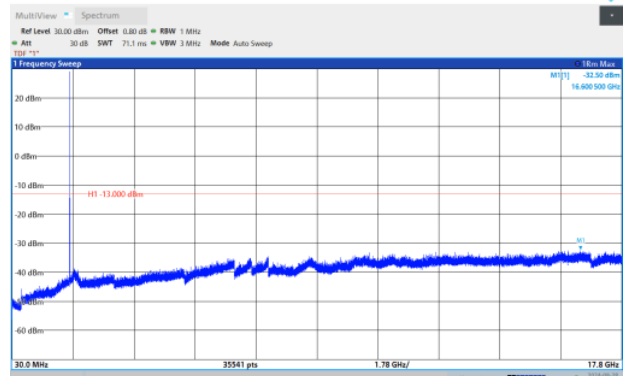
**Band66-1.4MHz-64QAM-132322-1RB#0-
Range:30~17800MHz**



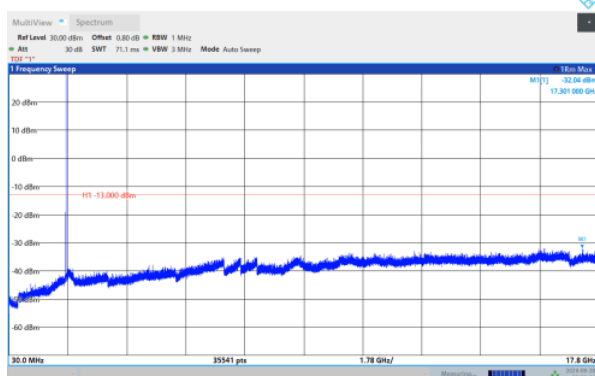
**Band66-1.4MHz-64QAM-132665-1RB#0-
Range:30~17800MHz**



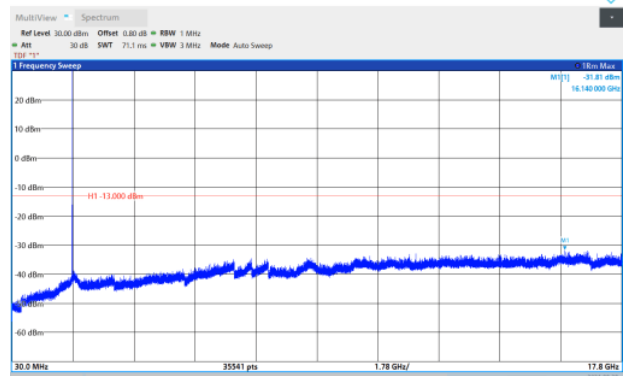
**Band66-3MHz-QPSK-131987-1RB#0-
Range:30~17800MHz**



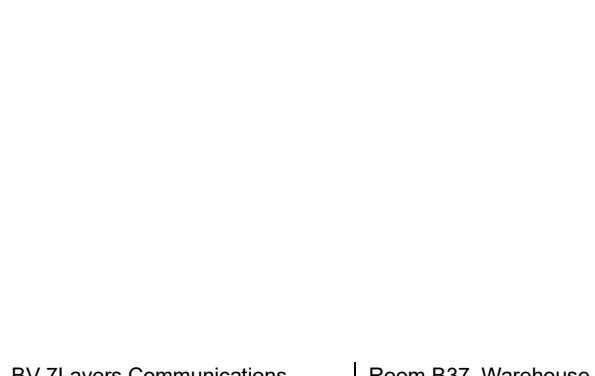
**Band66-3MHz-QPSK-132322-1RB#0-
Range:30~17800MHz**



**Band66-3MHz-QPSK-132657-1RB#0-
Range:30~17800MHz**



**Band66-3MHz-16QAM-131987-1RB#0-
Range:30~17800MHz**



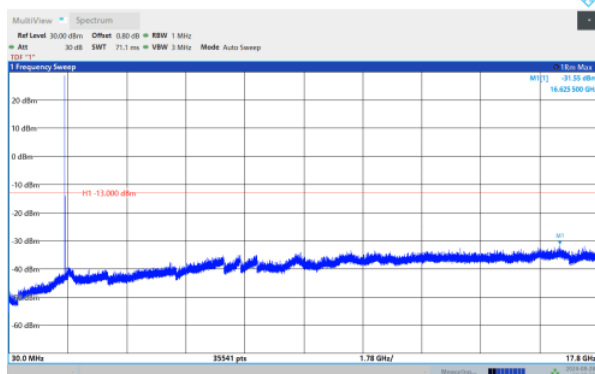
**Band66-3MHz-16QAM-132322-1RB#0-
Range:30~17800MHz**



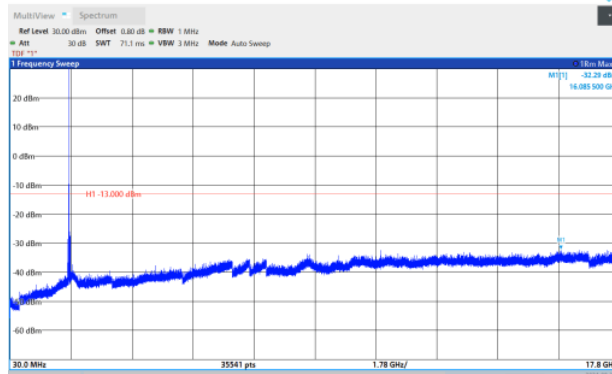


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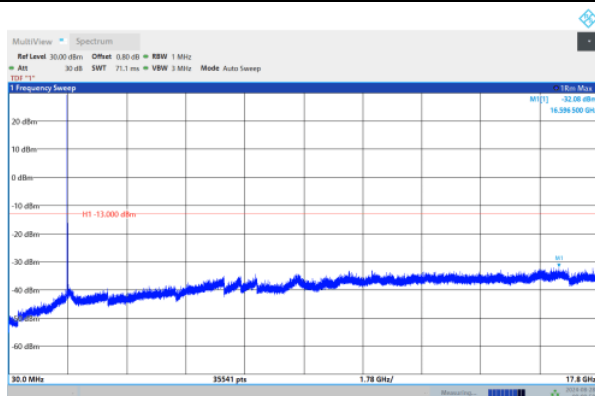
Test Report No.: PSU-NQN2407300216RF04



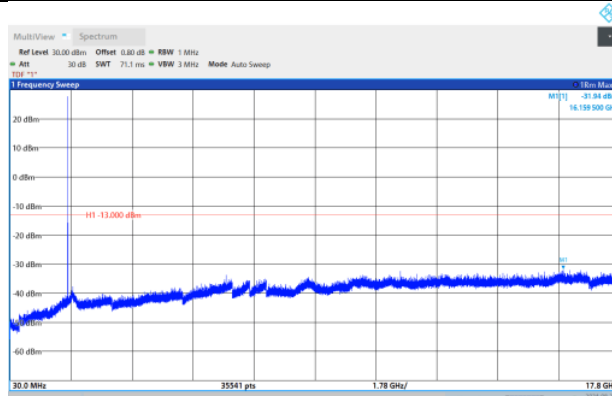
Band66-3MHz-16QAM-132657-1RB#0-
Range:30~17800MHz



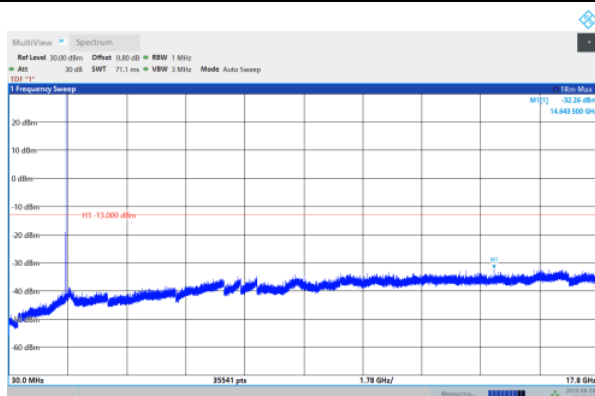
Band66-3MHz-64QAM-131987-1RB#0-
Range:30~17800MHz



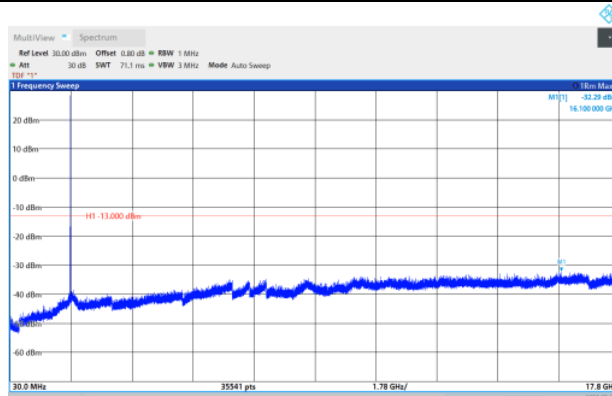
Band66-3MHz-64QAM-132322-1RB#0-
Range:30~17800MHz



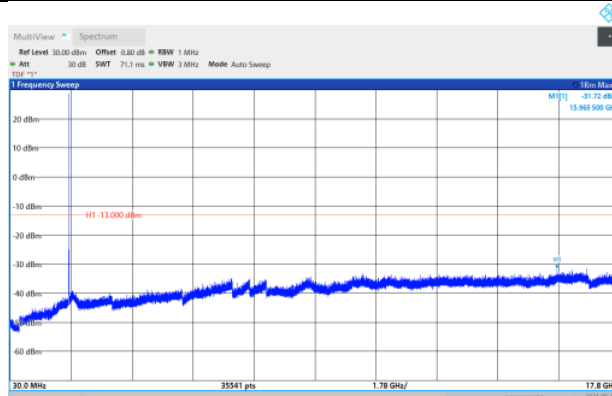
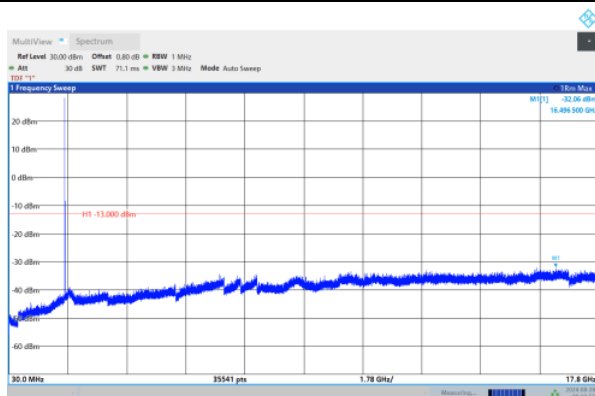
Band66-3MHz-64QAM-132657-1RB#0-
Range:30~17800MHz



Band66-5MHz-QPSK-131997-1RB#0-
Range:30~17800MHz

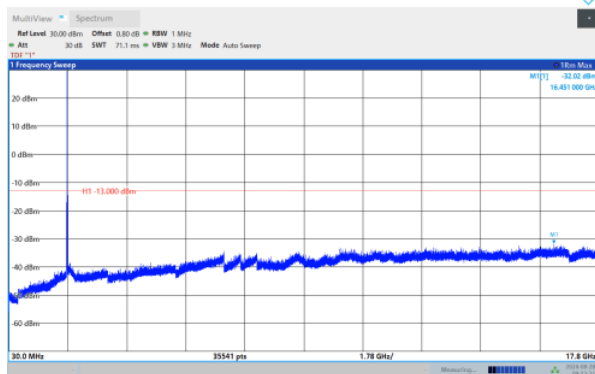


Band66-5MHz-QPSK-132322-1RB#0-
Range:30~17800MHz

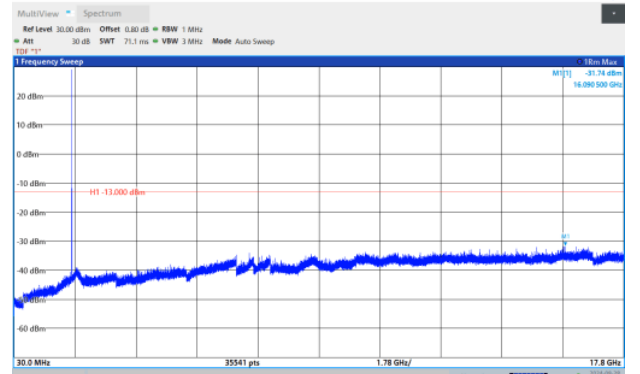




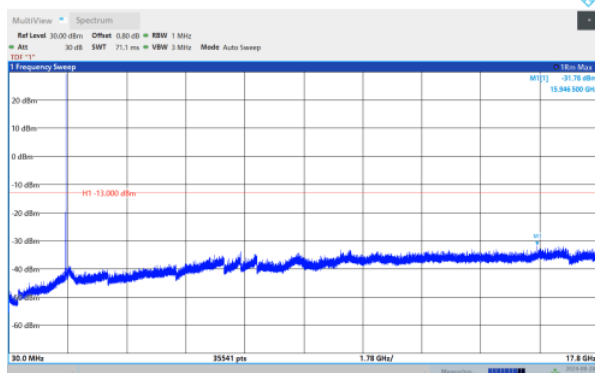
**Band66-5MHz-QPSK-132647-1RB#0-
Range:30~17800MHz**



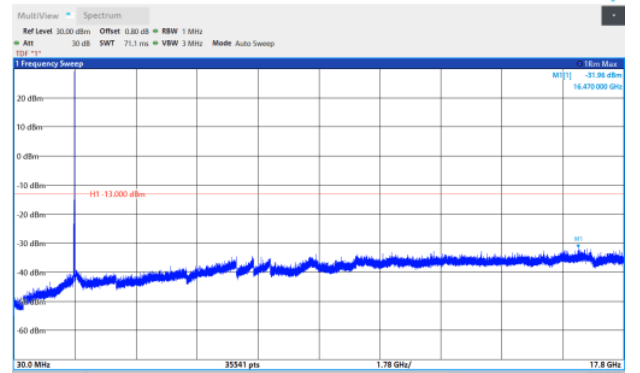
**Band66-5MHz-16QAM-131997-1RB#0-
Range:30~17800MHz**



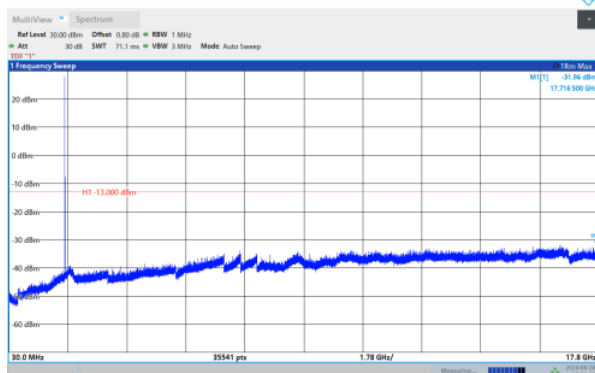
**Band66-5MHz-16QAM-132322-1RB#0-
Range:30~17800MHz**



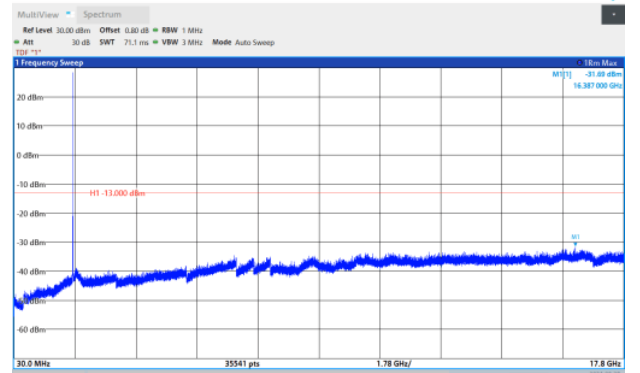
**Band66-5MHz-16QAM-132647-1RB#0-
Range:30~17800MHz**



**Band66-5MHz-64QAM-131997-1RB#0-
Range:30~17800MHz**

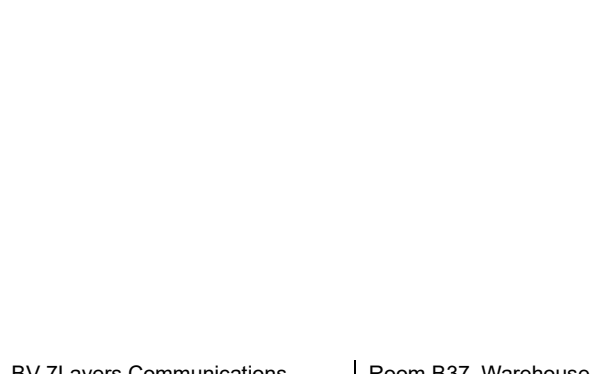


**Band66-5MHz-64QAM-132322-1RB#0-
Range:30~17800MHz**



**Band66-5MHz-64QAM-132647-1RB#0-
Range:30~17800MHz**

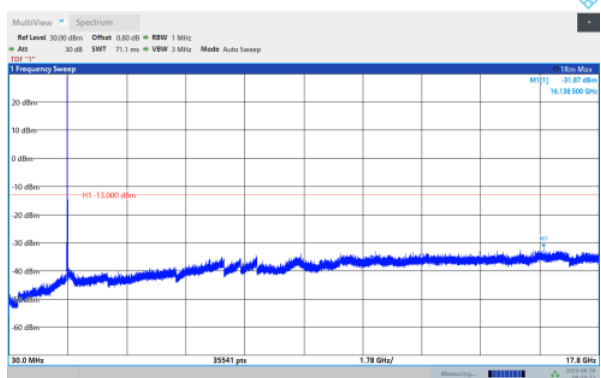
**Band66-10MHz-QPSK-132022-1RB#0-
Range:30~17800MHz**



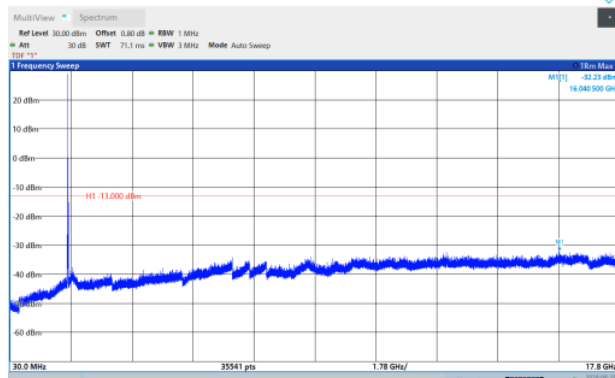


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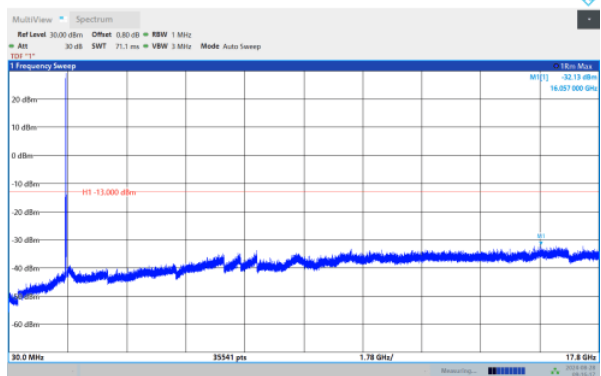
Test Report No.: PSU-NQN2407300216RF04



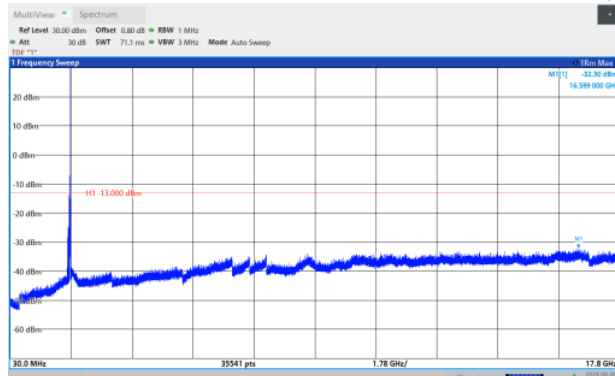
Band66-10MHz-QPSK-132322-1RB#0-
Range:30~17800MHz



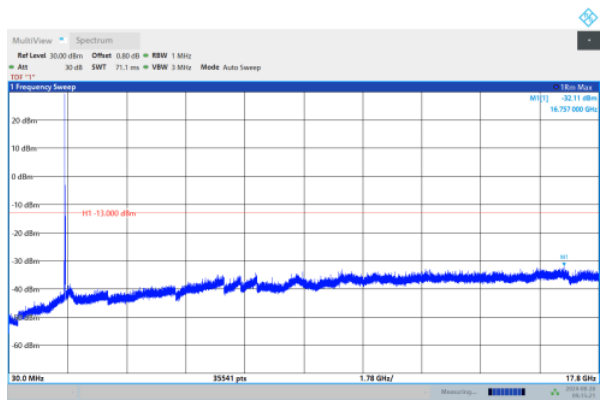
Band66-10MHz-QPSK-132622-1RB#0-
Range:30~17800MHz



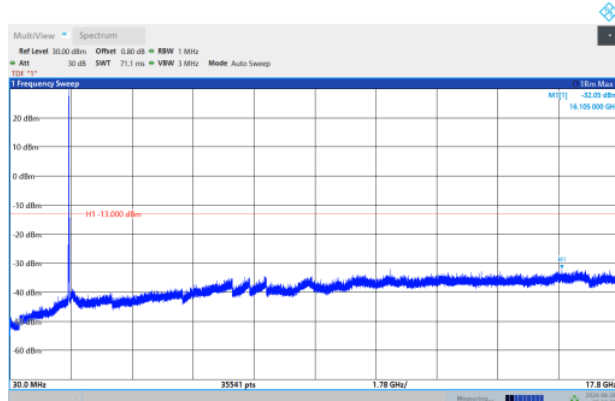
Band66-10MHz-16QAM-132022-1RB#0-
Range:30~17800MHz



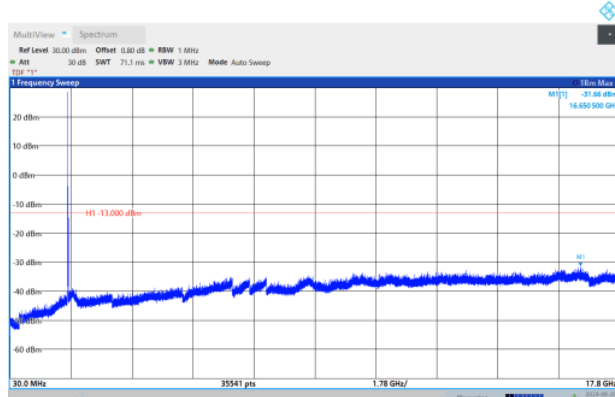
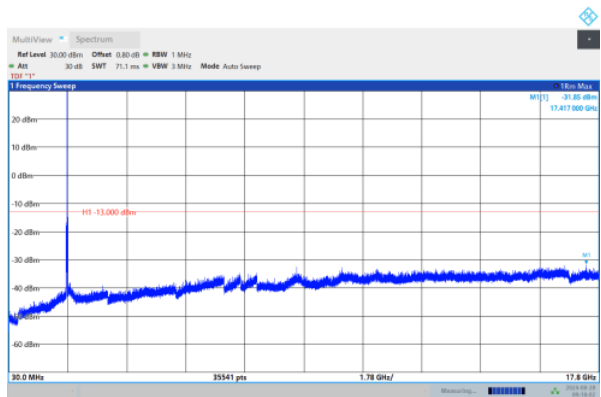
Band66-10MHz-16QAM-132322-1RB#0-
Range:30~17800MHz



Band66-10MHz-16QAM-132622-1RB#0-
Range:30~17800MHz



Band66-10MHz-64QAM-132022-1RB#0-
Range:30~17800MHz

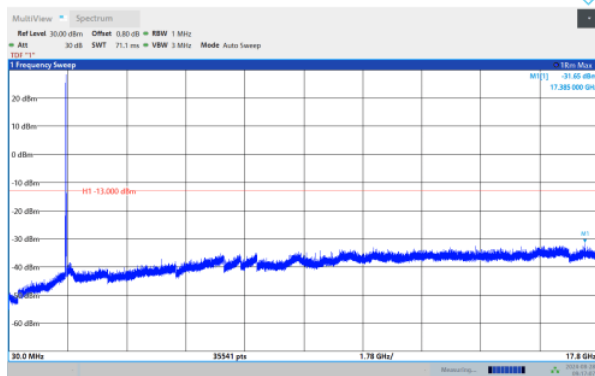




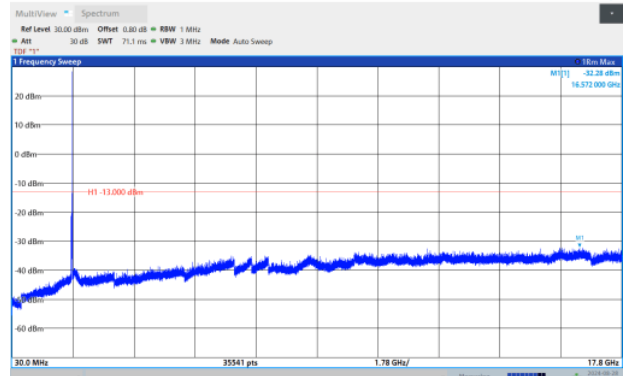
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Test Report No.: PSU-NQN2407300216RF04

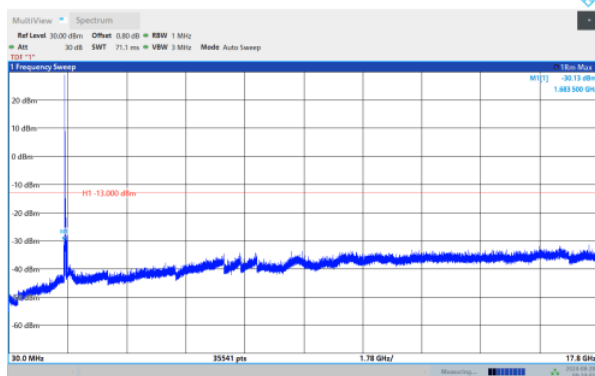
Band66-10MHz-64QAM-132322-1RB#0-
Range:30~17800MHz



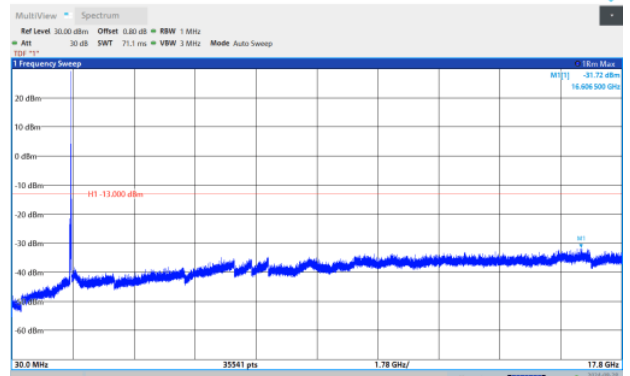
Band66-10MHz-64QAM-132622-1RB#0-
Range:30~17800MHz



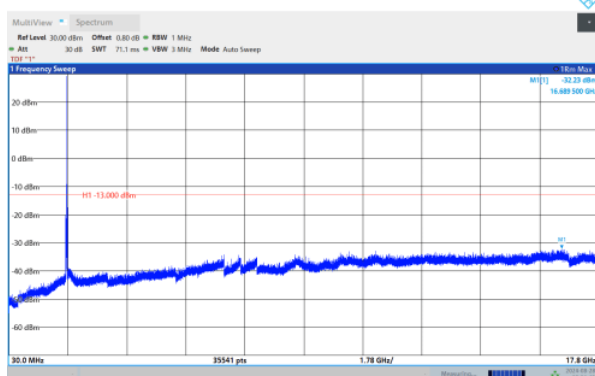
Band66-15MHz-QPSK-132047-1RB#0-
Range:30~17800MHz



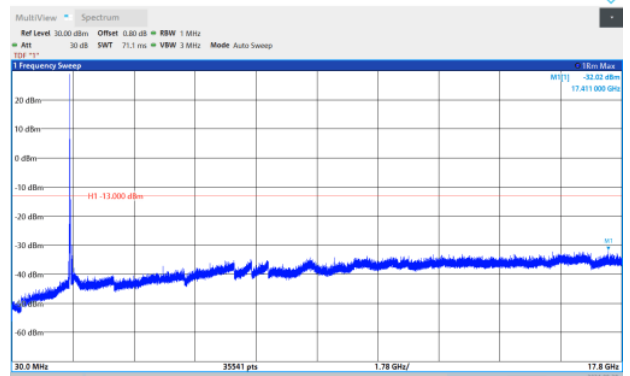
Band66-15MHz-QPSK-132322-1RB#0-
Range:30~17800MHz



Band66-15MHz-QPSK-132597-1RB#0-
Range:30~17800MHz



Band66-15MHz-16QAM-132047-1RB#0-
Range:30~17800MHz



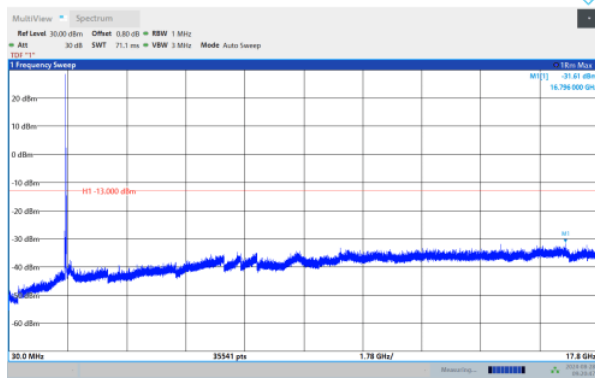
Band66-15MHz-16QAM-132322-1RB#0-
Range:30~17800MHz

Band66-15MHz-16QAM-132597-1RB#0-
Range:30~17800MHz

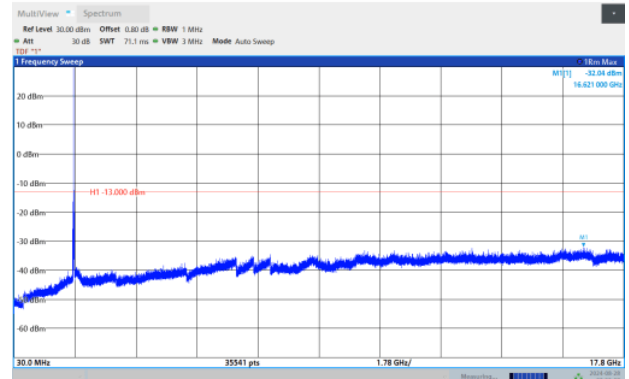


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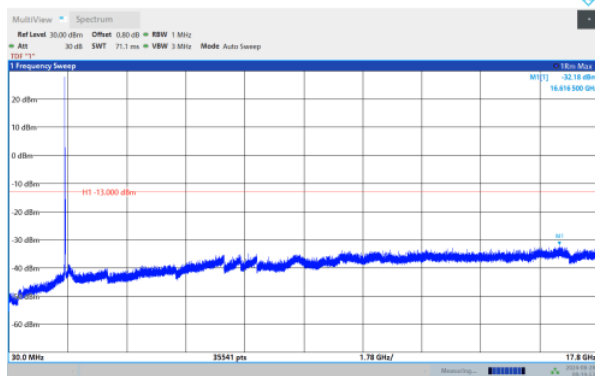
Test Report No.: PSU-NQN2407300216RF04



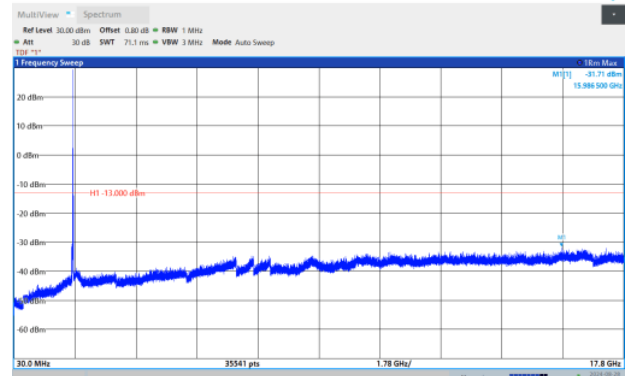
**Band66-15MHz-64QAM-132047-1RB#0-
Range:30~17800MHz**



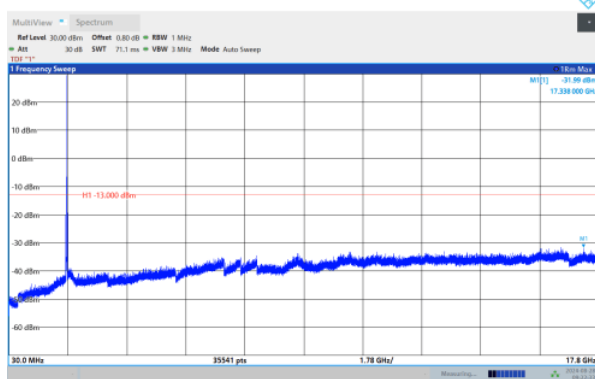
**Band66-15MHz-64QAM-132322-1RB#0-
Range:30~17800MHz**



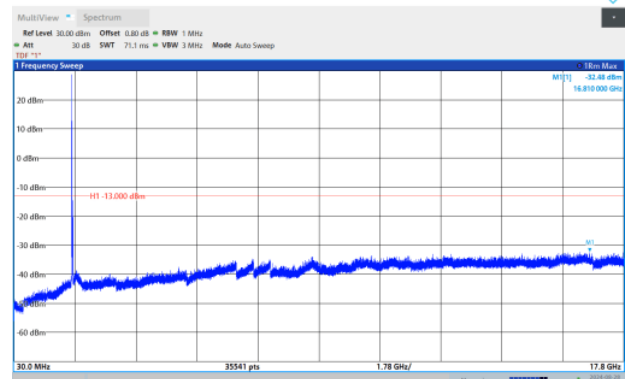
**Band66-15MHz-64QAM-132597-1RB#0-
Range:30~17800MHz**



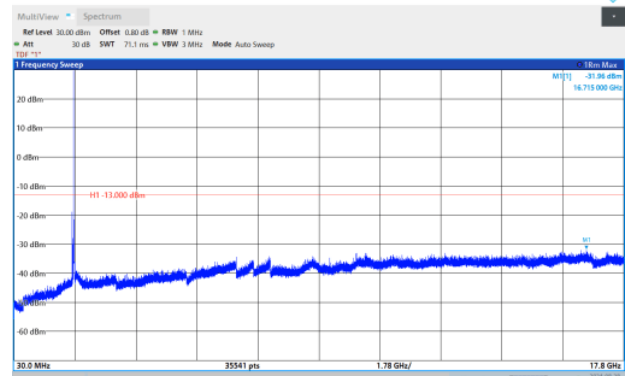
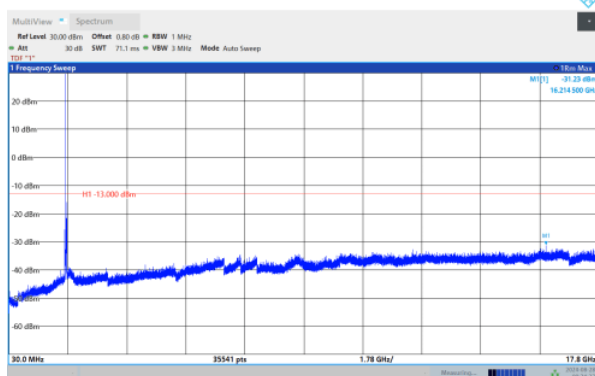
**Band66-20MHz-QPSK-132072-1RB#0-
Range:30~17800MHz**



**Band66-20MHz-QPSK-132322-1RB#0-
Range:30~17800MHz**

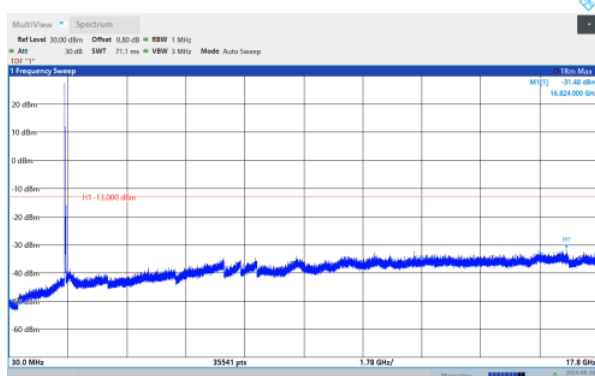


**Band66-20MHz-QPSK-132572-1RB#0-
Range:30~17800MHz**

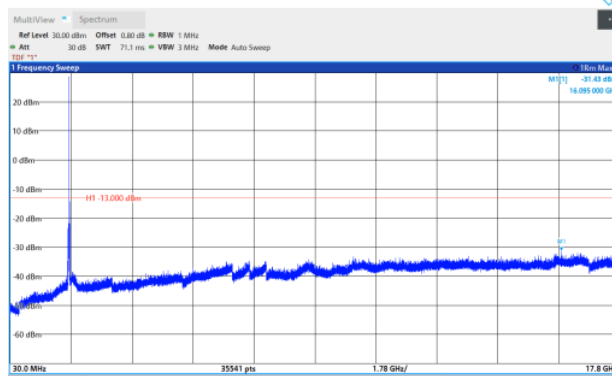




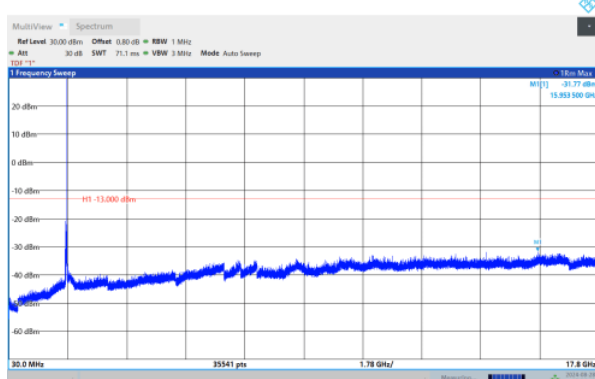
Band66-20MHz-16QAM-132072-1RB#0-
Range:30~17800MHz



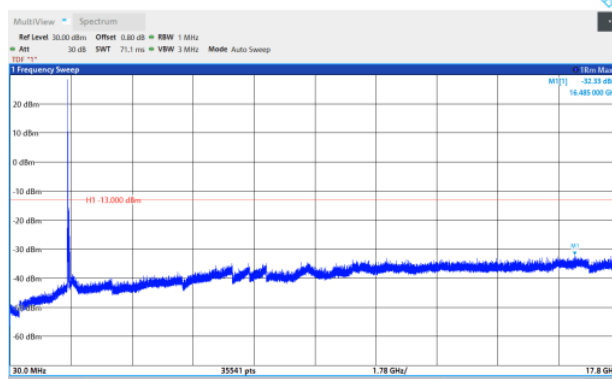
Band66-20MHz-16QAM-132322-1RB#0-
Range:30~17800MHz



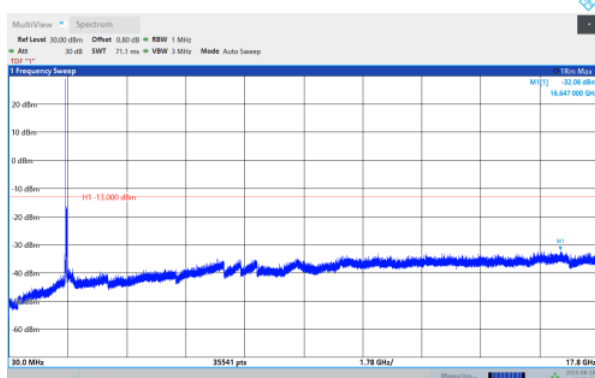
Band66-20MHz-16QAM-132572-1RB#0-
Range:30~17800MHz



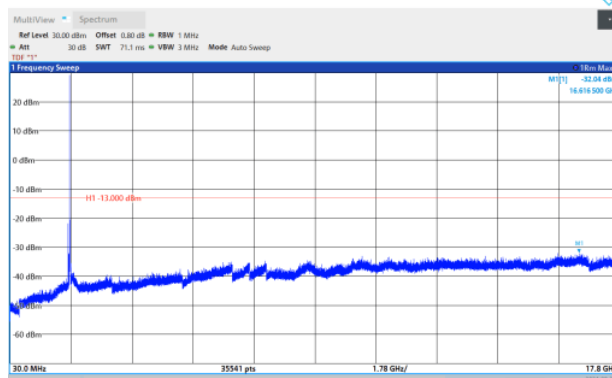
Band66-20MHz-64QAM-132072-1RB#0-
Range:30~17800MHz



Band66-20MHz-64QAM-132322-1RB#0-
Range:30~17800MHz



Band66-20MHz-64QAM-132572-1RB#0-
Range:30~17800MHz





BUREAU VERITAS Test Report No.: PSU-NQN2407300216RF04

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	LV	NT	-24.50	-0.0142	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	NT	16.70	0.0097	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	HV	NT	-16.70	-0.0097	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	LV	NT	11.80	0.0068	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	NT	18.60	0.0107	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	HV	NT	-34.40	-0.0197	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	LV	NT	16.70	0.0094	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	NT	-1.90	-0.0011	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	HV	NT	13.90	0.0079	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	NV	-30	23.60	0.0137	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	-14.70	-0.0085	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-10	-16.10	-0.0094	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	-17.30	-0.0101	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	32.90	0.0191	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	-5.70	-0.0033	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	30	-31.60	-0.0184	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	40	15.40	0.0090	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	50	14.20	0.0083	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-9.30	-0.0053	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	6.80	0.0039	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	22.60	0.0130	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	29.90	0.0171	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-25.70	-0.0147	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-15.80	-0.0091	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-2.40	-0.0014	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	10.40	0.0060	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-0.60	-0.0003	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	15.70	0.0089	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	29.20	0.0165	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-10	-16.50	-0.0093	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	25.10	0.0142	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	-32.10	-0.0181	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	-21.20	-0.0120	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	30	14.50	0.0082	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	40	-24.10	-0.0136	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	50	33.90	0.0192	±2.5	PASS



MAX Deviation calculation

Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
$f_L - \text{MAX}(\Delta f) $	1711.050466	≥ 1710	PASS
$f_H + \text{MAX}(\Delta f) $	1778.993034	≤ 1780	

- Note: 1. $|\text{MAX}(\Delta f)|$ = Max Deviation
 2. f_L = Occ low channel f_L (-13dBm/MHz)
 3. f_H = Occ High channel f_H (-13dBm/MHz)
 4. $|\text{MAX}(\Delta f)|$ = 34.40Hz.

LTE BAND41C

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
41-41	5MHz-20MHz	QPSK-QPSK	39703-39823	25RB#0-100RB#0	22.991	24.43	PASS
41-41	5MHz-20MHz	QPSK-QPSK	40549-40669	25RB#0-100RB#0	23.076	24.50	PASS
41-41	5MHz-20MHz	QPSK-QPSK	41395-41515	25RB#0-100RB#0	22.982	24.50	PASS
41-41	5MHz-20MHz	16QAM-16QAM	39703-39823	25RB#0-100RB#0	22.962	24.13	PASS
41-41	5MHz-20MHz	16QAM-16QAM	40549-40669	25RB#0-100RB#0	22.969	24.95	PASS
41-41	5MHz-20MHz	16QAM-16QAM	41395-41515	25RB#0-100RB#0	22.978	24.43	PASS
41-41	5MHz-20MHz	64QAM-64QAM	39703-39823	25RB#0-100RB#0	22.959	24.50	PASS
41-41	5MHz-20MHz	64QAM-64QAM	40549-40669	25RB#0-100RB#0	22.933	24.65	PASS
41-41	5MHz-20MHz	64QAM-64QAM	41395-41515	25RB#0-100RB#0	22.992	24.57	PASS
41-41	10MHz-15MHz	QPSK-QPSK	39705-39849	50RB#0-75RB#0	23.291	24.65	PASS
41-41	10MHz-15MHz	QPSK-QPSK	40526-40670	50RB#0-75RB#0	23.210	24.88	PASS
41-41	10MHz-15MHz	QPSK-QPSK	41346-41490	50RB#0-75RB#0	23.240	24.88	PASS
41-41	10MHz-15MHz	16QAM-16QAM	39705-39849	50RB#0-75RB#0	23.215	24.73	PASS
41-41	10MHz-15MHz	16QAM-16QAM	40526-40670	50RB#0-75RB#0	23.239	24.73	PASS
41-41	10MHz-15MHz	16QAM-16QAM	41346-41490	50RB#0-75RB#0	23.285	25.02	PASS
41-41	10MHz-15MHz	64QAM-64QAM	39705-39849	50RB#0-75RB#0	23.285	24.57	PASS
41-41	10MHz-15MHz	64QAM-64QAM	40526-40670	50RB#0-75RB#0	23.205	24.65	PASS
41-41	10MHz-15MHz	64QAM-64QAM	41346-41490	50RB#0-75RB#0	23.264	24.73	PASS
41-41	10MHz-20MHz	QPSK-QPSK	39725-39845	50RB#0-100RB#0	27.778	29.40	PASS
41-41	10MHz-20MHz	QPSK-QPSK	40571-40691	50RB#0-100RB#0	27.789	29.49	PASS
41-41	10MHz-20MHz	QPSK-QPSK	41417-41537	50RB#0-100RB#0	27.820	29.49	PASS
41-41	10MHz-20MHz	16QAM-16QAM	39725-39845	50RB#0-100RB#0	27.741	29.13	PASS
41-41	10MHz-20MHz	16QAM-16QAM	40571-40691	50RB#0-100RB#0	27.754	29.31	PASS
41-41	10MHz-20MHz	16QAM-16QAM	41417-41537	50RB#0-100RB#0	27.783	29.31	PASS
41-41	10MHz-20MHz	64QAM-64QAM	39725-39845	50RB#0-100RB#0	27.790	29.22	PASS
41-41	10MHz-20MHz	64QAM-64QAM	40571-40691	50RB#0-100RB#0	27.799	29.67	PASS



41-41	10MHz-20MHz	64QAM-64QAM	41417-41537	50RB#0-100RB#0	27.807	29.40	PASS
41-41	15MHz-10MHz	QPSK-QPSK	39725-39875	75RB#0-50RB#0	23.257	24.73	PASS
41-41	15MHz-10MHz	QPSK-QPSK	40545-40695	75RB#0-50RB#0	23.247	24.65	PASS
41-41	15MHz-10MHz	QPSK-QPSK	41365-41515	75RB#0-50RB#0	23.298	24.88	PASS
41-41	15MHz-10MHz	16QAM-16QAM	39725-39875	75RB#0-50RB#0	23.274	24.73	PASS
41-41	15MHz-10MHz	16QAM-16QAM	40545-40695	75RB#0-50RB#0	23.273	24.73	PASS
41-41	15MHz-10MHz	16QAM-16QAM	41365-41515	75RB#0-50RB#0	23.291	24.80	PASS
41-41	15MHz-10MHz	64QAM-64QAM	39725-39875	75RB#0-50RB#0	23.207	24.65	PASS
41-41	15MHz-10MHz	64QAM-64QAM	40545-40695	75RB#0-50RB#0	23.235	24.65	PASS
41-41	15MHz-10MHz	64QAM-64QAM	41365-41515	75RB#0-50RB#0	23.268	24.88	PASS
41-41	15MHz-15MHz	QPSK-QPSK	39728-39899	75RB#0-75RB#0	28.383	30.21	PASS
41-41	15MHz-15MHz	QPSK-QPSK	40523-40694	75RB#0-75RB#0	28.417	29.94	PASS
41-41	15MHz-15MHz	QPSK-QPSK	41319-41490	75RB#0-75RB#0	28.446	30.03	PASS
41-41	15MHz-15MHz	16QAM-16QAM	39728-39899	75RB#0-75RB#0	28.448	30.12	PASS
41-41	15MHz-15MHz	16QAM-16QAM	40523-40694	75RB#0-75RB#0	28.455	30.21	PASS
41-41	15MHz-15MHz	16QAM-16QAM	41319-41490	75RB#0-75RB#0	28.479	30.12	PASS
41-41	15MHz-15MHz	64QAM-64QAM	39728-39899	75RB#0-75RB#0	28.355	29.94	PASS
41-41	15MHz-15MHz	64QAM-64QAM	40523-40694	75RB#0-75RB#0	28.345	29.85	PASS
41-41	15MHz-15MHz	64QAM-64QAM	41319-41490	75RB#0-75RB#0	28.383	30.03	PASS
41-41	15MHz-20MHz	QPSK-QPSK	39750-39894	100RB#0-50RB#0	32.696	34.72	PASS
41-41	15MHz-20MHz	QPSK-QPSK	40571-40715	100RB#0-50RB#0	32.681	34.41	PASS
41-41	15MHz-20MHz	QPSK-QPSK	41391-41535	100RB#0-50RB#0	32.740	34.72	PASS
41-41	15MHz-20MHz	16QAM-16QAM	39750-39894	100RB#0-50RB#0	32.670	34.51	PASS
41-41	15MHz-20MHz	16QAM-16QAM	40571-40715	100RB#0-50RB#0	32.665	34.62	PASS
41-41	15MHz-20MHz	16QAM-16QAM	41391-41535	100RB#0-50RB#0	32.700	34.83	PASS
41-41	15MHz-20MHz	64QAM-64QAM	39750-39894	100RB#0-50RB#0	32.667	34.20	PASS
41-41	15MHz-20MHz	64QAM-64QAM	40571-40715	100RB#0-50RB#0	32.650	34.20	PASS
41-41	15MHz-20MHz	64QAM-64QAM	41391-41535	100RB#0-50RB#0	32.690	34.30	PASS
41-41	20MHz-5MHz	QPSK-QPSK	39750-39921	100RB#0-25RB#0	23.044	24.57	PASS
41-41	20MHz-5MHz	QPSK-QPSK	40546-40717	100RB#0-25RB#0	23.043	24.57	PASS
41-41	20MHz-5MHz	QPSK-QPSK	41341-41512	100RB#0-25RB#0	23.099	24.65	PASS
41-41	20MHz-5MHz	16QAM-16QAM	39750-39921	100RB#0-25RB#0	22.988	24.20	PASS
41-41	20MHz-5MHz	16QAM-16QAM	40546-40717	100RB#0-25RB#0	22.998	24.13	PASS
41-41	20MHz-5MHz	16QAM-16QAM	41341-41512	100RB#0-25RB#0	23.016	24.50	PASS
41-41	20MHz-5MHz	64QAM-64QAM	39750-39921	100RB#0-25RB#0	22.996	24.35	PASS
41-41	20MHz-5MHz	64QAM-64QAM	40546-40717	100RB#0-25RB#0	22.991	24.20	PASS
41-41	20MHz-5MHz	64QAM-64QAM	41341-41512	100RB#0-25RB#0	23.018	24.73	PASS
41-41	20MHz-10MHz	QPSK-QPSK	39750-39948	100RB#0-50RB#0	27.842	29.94	PASS
41-41	20MHz-10MHz	QPSK-QPSK	40521-40719	100RB#0-50RB#0	27.866	29.40	PASS
41-41	20MHz-10MHz	QPSK-QPSK	41292-41490	100RB#0-50RB#0	27.894	29.40	PASS
41-41	20MHz-10MHz	16QAM-16QAM	39750-39948	100RB#0-50RB#0	27.794	29.31	PASS
41-41	20MHz-10MHz	16QAM-16QAM	40521-40719	100RB#0-50RB#0	27.796	29.31	PASS
41-41	20MHz-10MHz	16QAM-16QAM	41292-41490	100RB#0-50RB#0	27.844	29.22	PASS
41-41	20MHz-10MHz	64QAM-64QAM	39750-39948	100RB#0-50RB#0	27.745	29.31	PASS
41-41	20MHz-10MHz	64QAM-64QAM	40521-40719	100RB#0-50RB#0	27.763	29.31	PASS
41-41	20MHz-10MHz	64QAM-64QAM	41292-41490	100RB#0-50RB#0	27.806	29.31	PASS
41-41	20MHz-15MHz	QPSK-QPSK	39750-39867	100RB#0-75RB#0	32.724	34.51	PASS
41-41	20MHz-15MHz	QPSK-QPSK	40595-40712	100RB#0-75RB#0	32.723	34.72	PASS
41-41	20MHz-15MHz	QPSK-QPSK	41440-41557	100RB#0-75RB#0	32.754	34.72	PASS
41-41	20MHz-15MHz	16QAM-16QAM	39750-39867	100RB#0-75RB#0	32.671	34.62	PASS
41-41	20MHz-15MHz	16QAM-16QAM	40595-40712	100RB#0-75RB#0	32.680	34.62	PASS
41-41	20MHz-15MHz	16QAM-16QAM	41440-41557	100RB#0-75RB#0	32.729	34.72	PASS
41-41	20MHz-15MHz	64QAM-64QAM	39750-39867	100RB#0-75RB#0	32.631	34.41	PASS
41-41	20MHz-15MHz	64QAM-64QAM	40595-40712	100RB#0-75RB#0	32.616	34.30	PASS
41-41	20MHz-15MHz	64QAM-64QAM	41440-41557	100RB#0-75RB#0	32.669	34.30	PASS

**Test Report No.: PSU-NQN2407300216RF04**

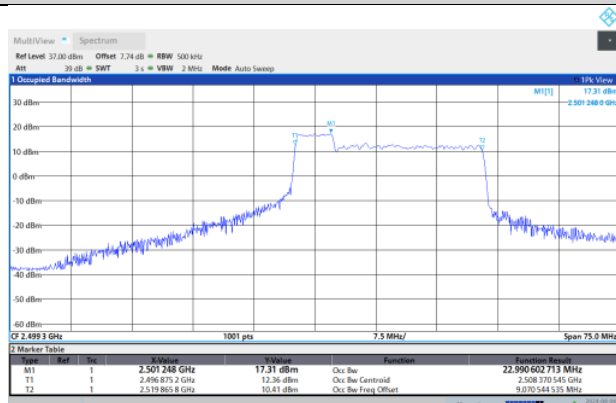
41-41	20MHz-20MHz	QPSK-QPSK	39683-39800	100RB#0-100RB#0	37.963	39.44	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40528-40645	100RB#0-100RB#0	37.875	39.44	PASS
41-41	20MHz-20MHz	QPSK-QPSK	41373-41490	100RB#0-100RB#0	37.995	39.44	PASS
41-41	20MHz-20MHz	16QAM-16QAM	39683-39800	100RB#0-100RB#0	37.866	39.68	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40528-40645	100RB#0-100RB#0	37.817	39.80	PASS
41-41	20MHz-20MHz	16QAM-16QAM	41373-41490	100RB#0-100RB#0	37.933	40.40	PASS
41-41	20MHz-20MHz	64QAM-64QAM	39683-39800	100RB#0-100RB#0	37.862	39.44	PASS
41-41	20MHz-20MHz	64QAM-64QAM	40528-40645	100RB#0-100RB#0	37.771	39.56	PASS
41-41	20MHz-20MHz	64QAM-64QAM	41373-41490	100RB#0-100RB#0	37.885	39.68	PASS



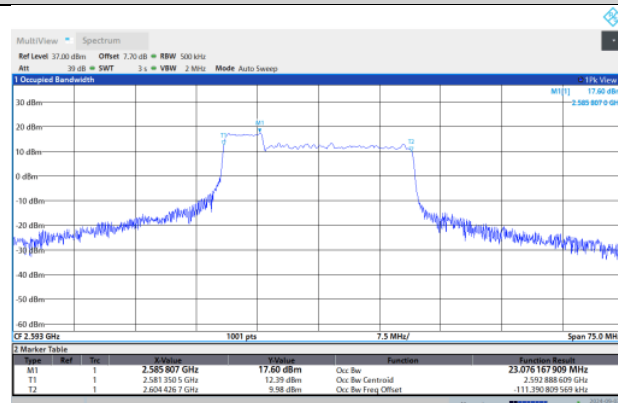
Test Graphs

Occupied Bandwidth

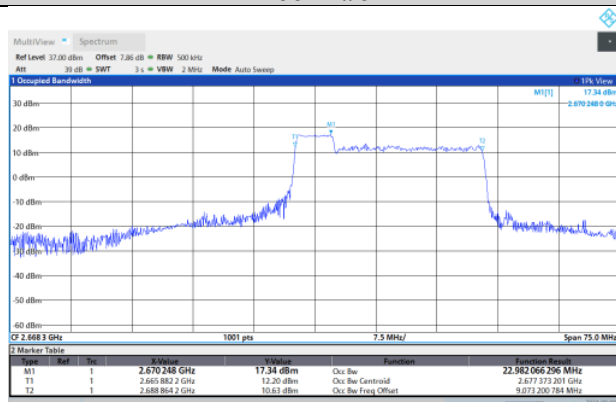
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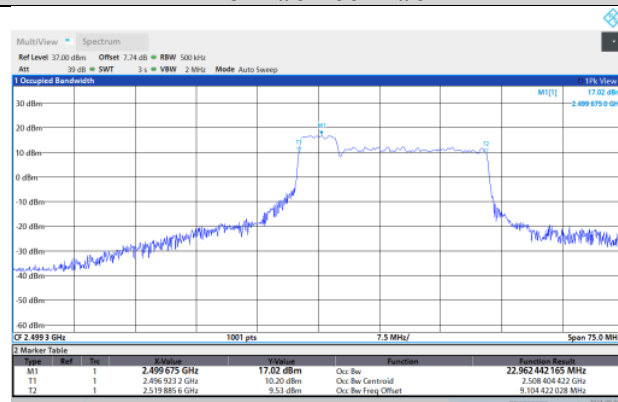
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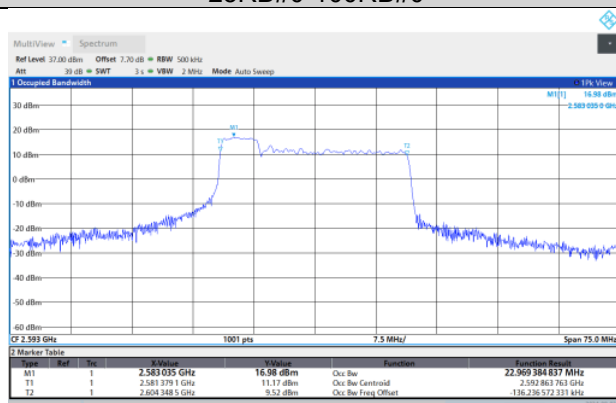
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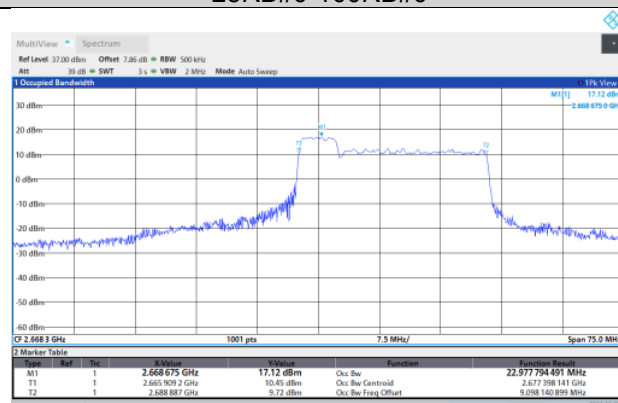
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41-41-5MHz-20MHz-16QAM-16QAM-40549-40669-25RB#0-100RB#0



41-41-5MHz-20MHz-16QAM-16QAM-41395-41515-25RB#0-100RB#0

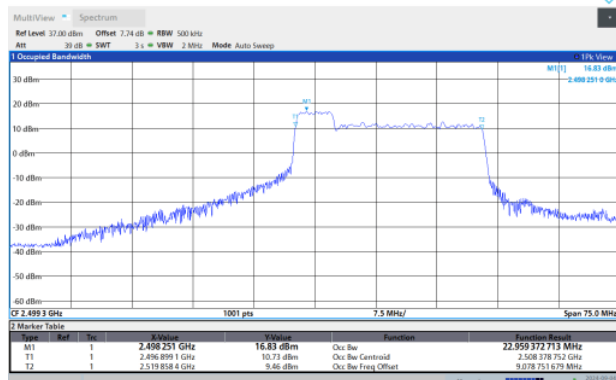


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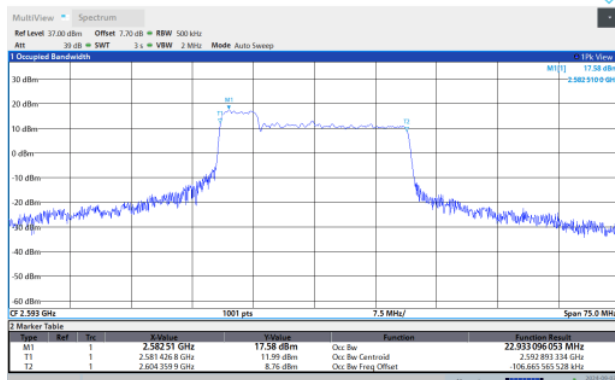


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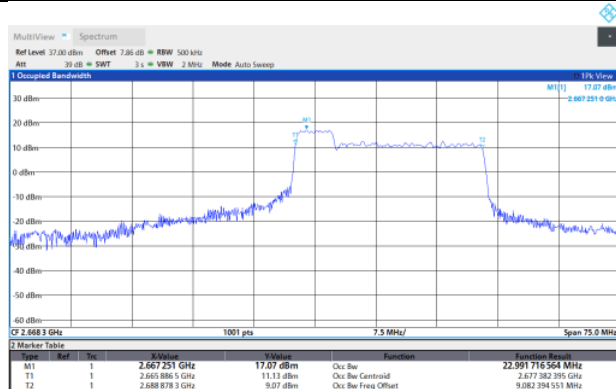




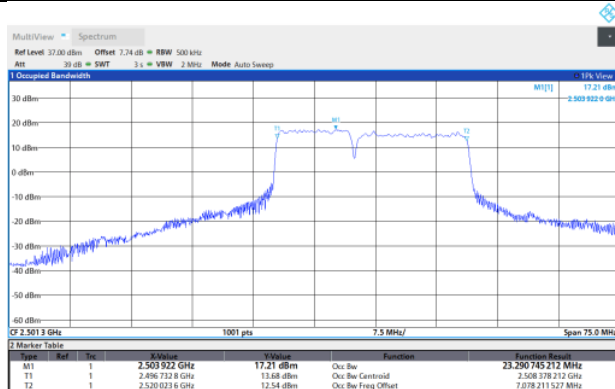
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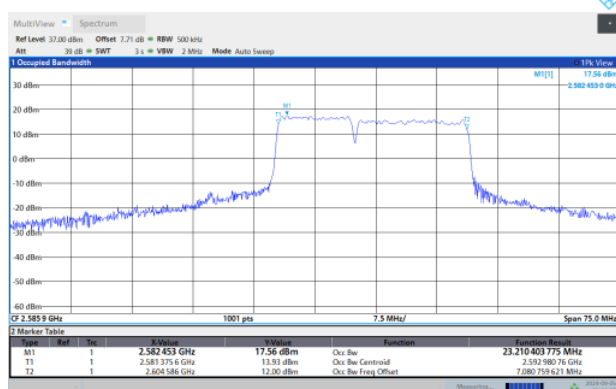
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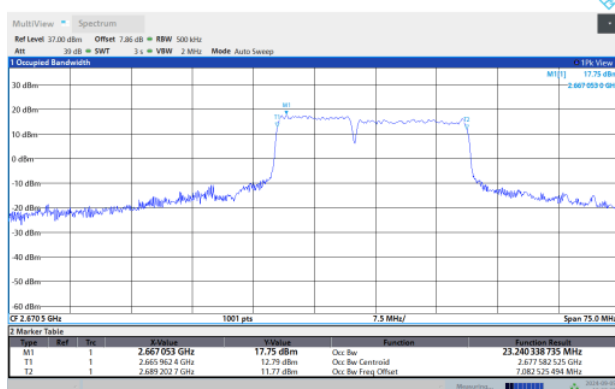
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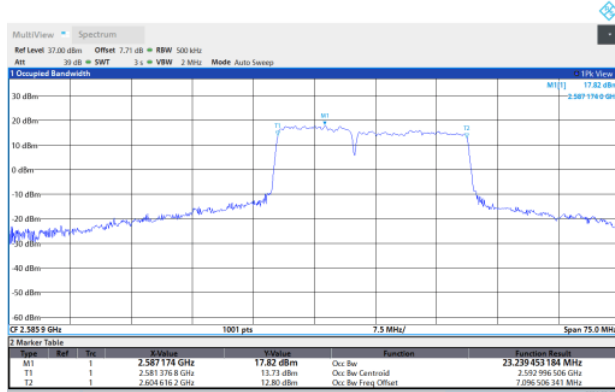
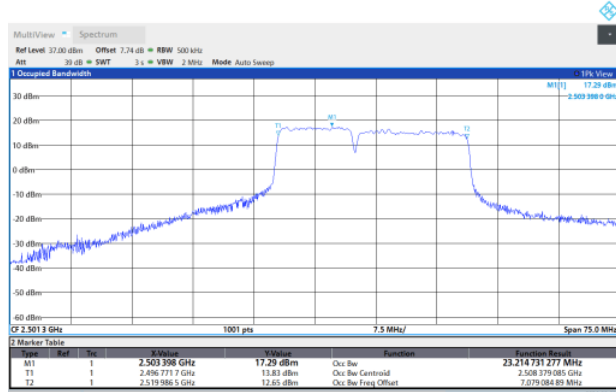
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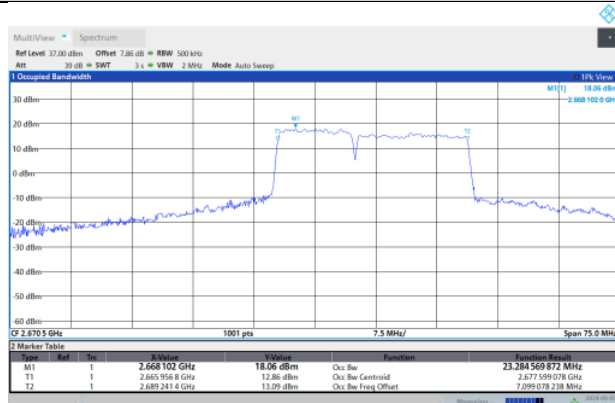


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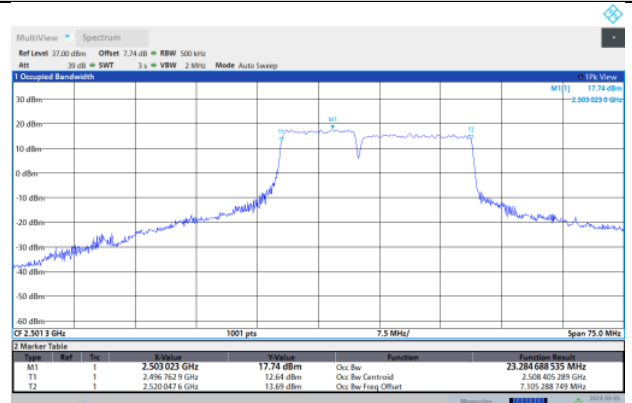




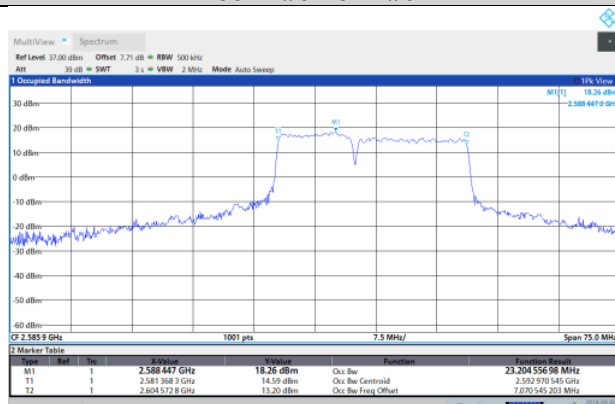
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50RB#0-75RB#0**



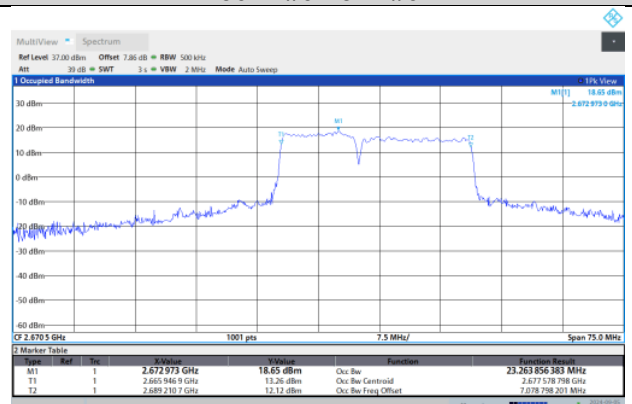
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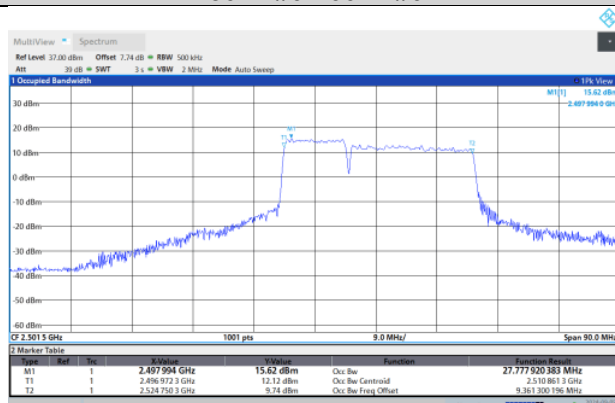
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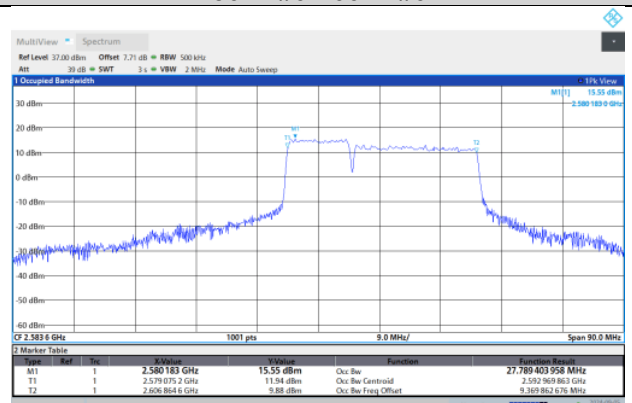
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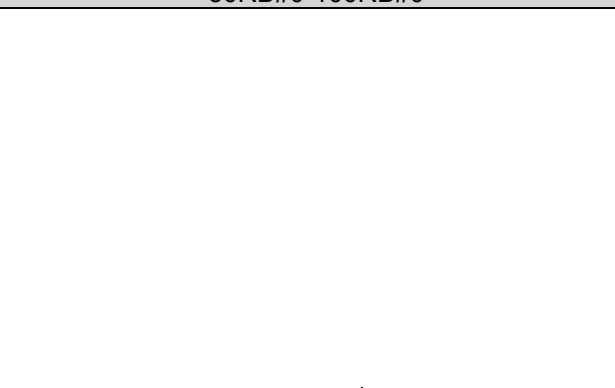
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50RB#0-100RB#0**



**41-41-10MHz-20MHz-QPSK-QPSK-40571-40691-
50RB#0-100RB#0**



**41-41-10MHz-20MHz-QPSK-QPSK-41417-41537-
50RB#0-100RB#0**



**41-41-10MHz-20MHz-16QAM-16QAM-39725-39845-
50RB#0-100RB#0**

