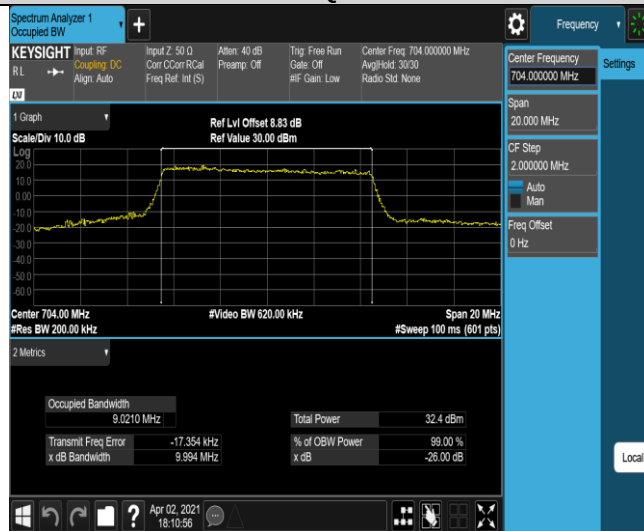
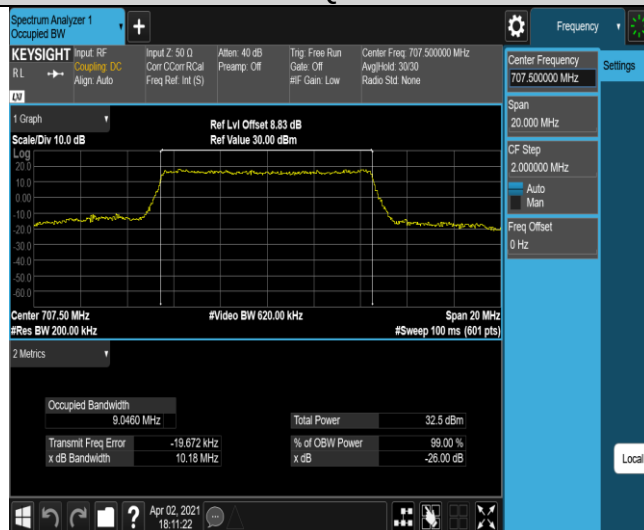


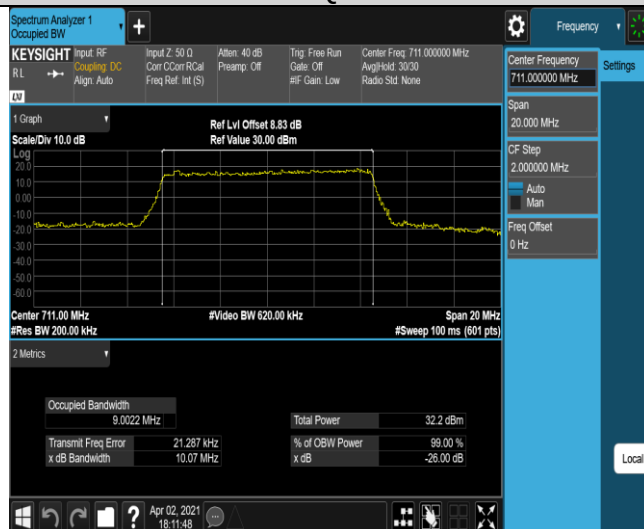
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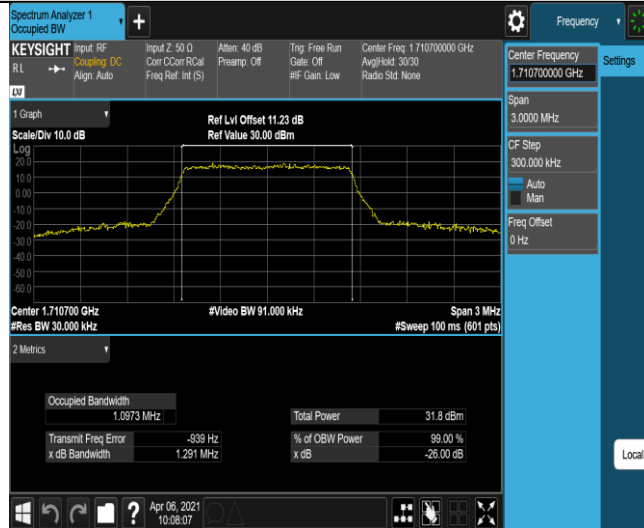
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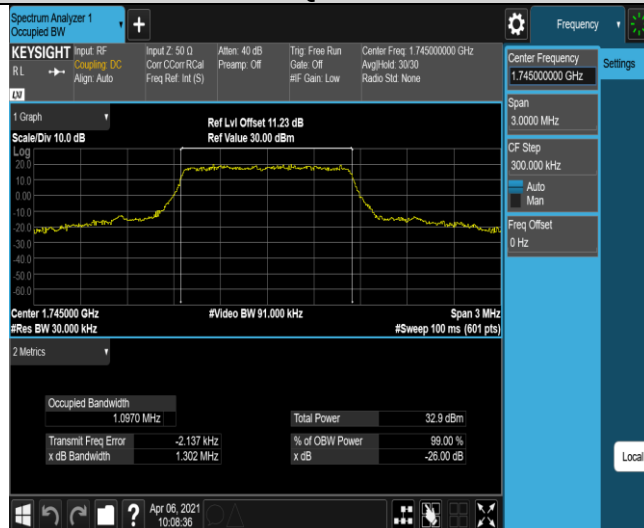
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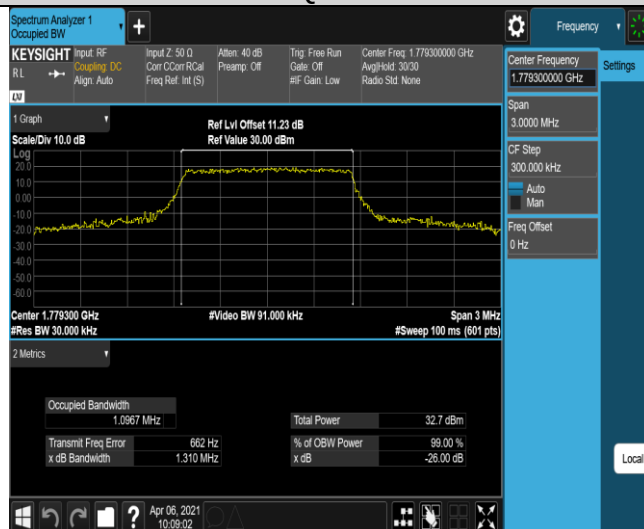
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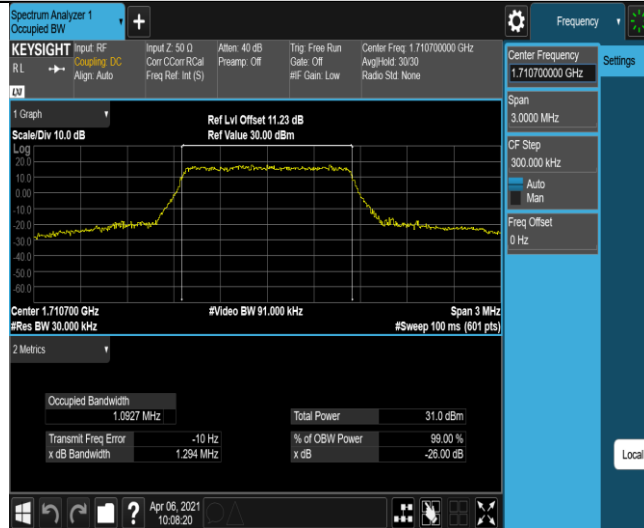
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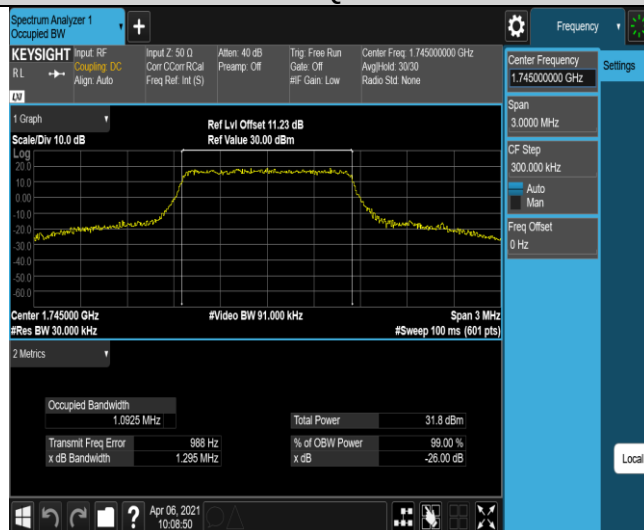
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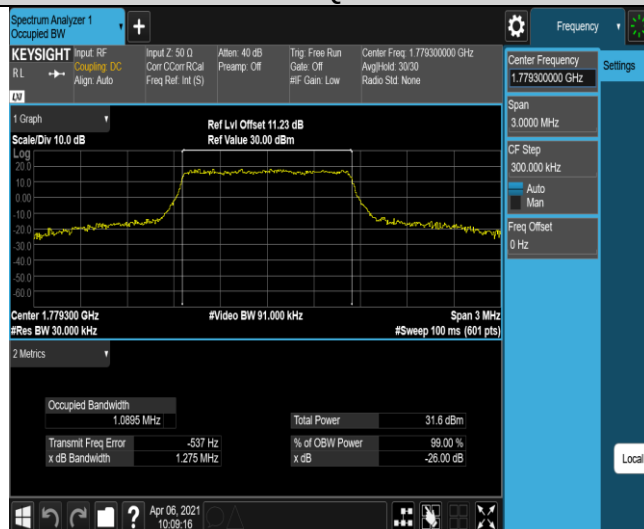
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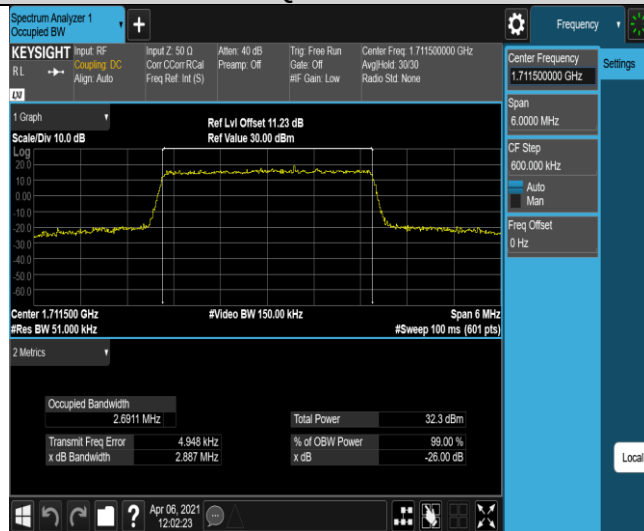
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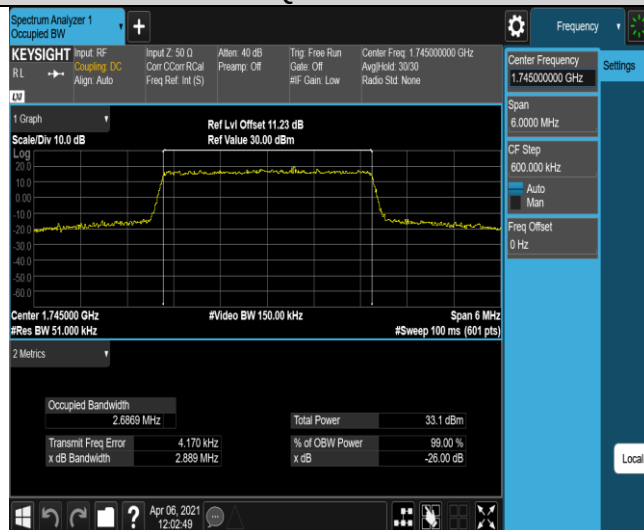
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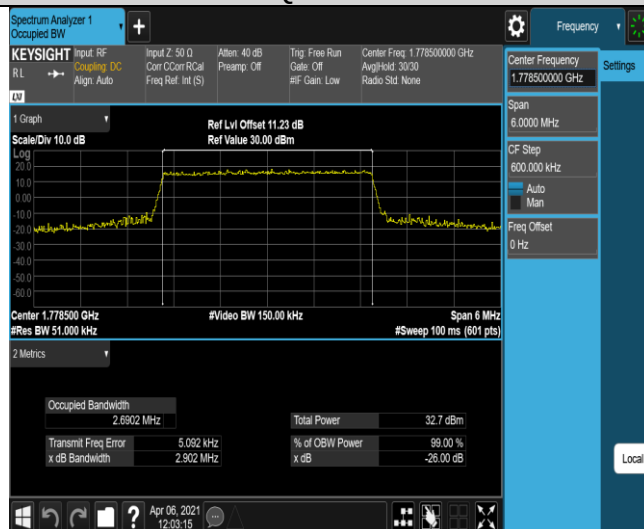
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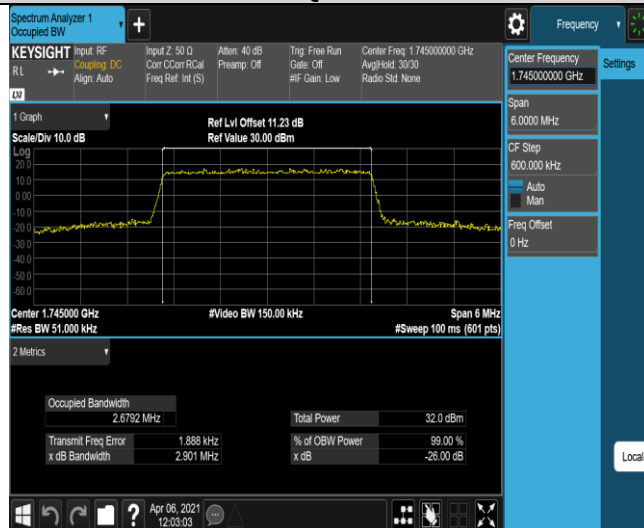
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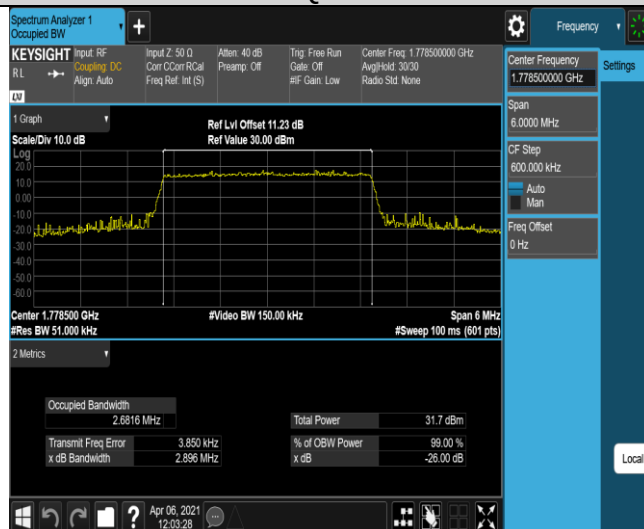
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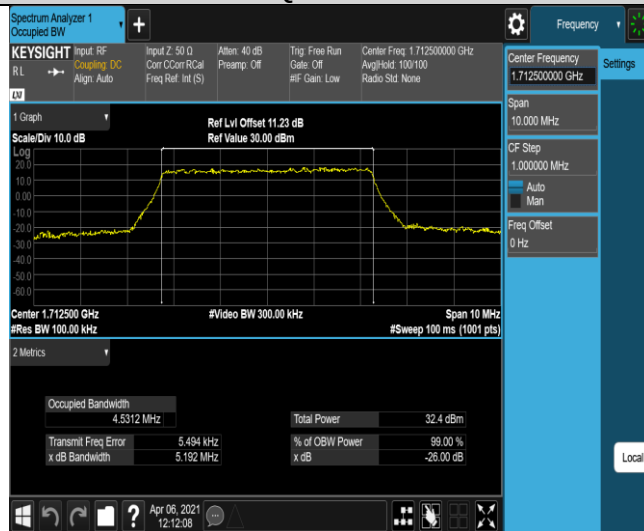
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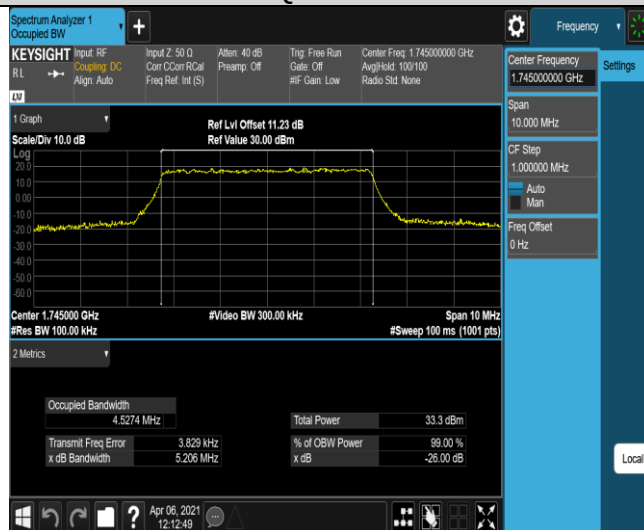
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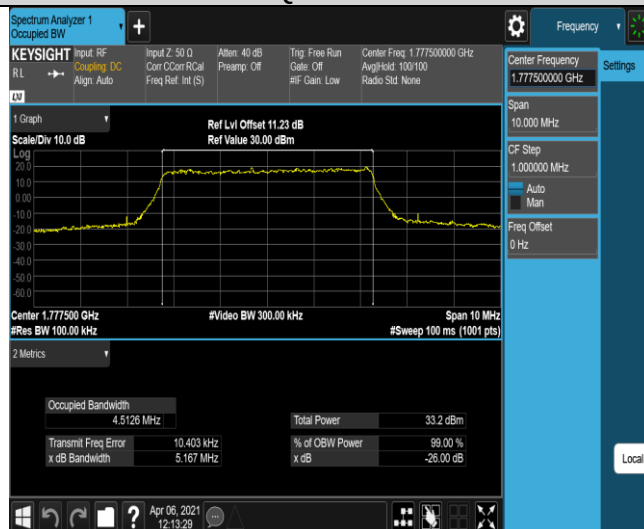
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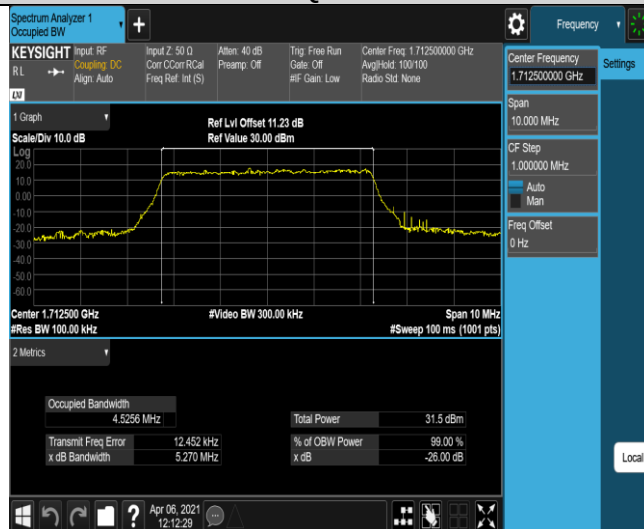
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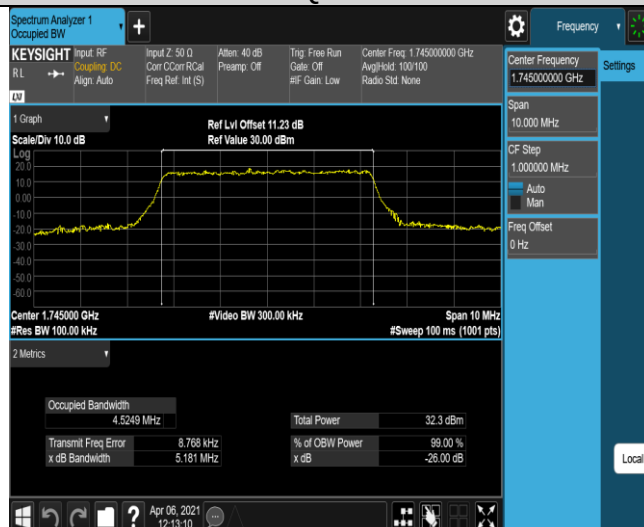
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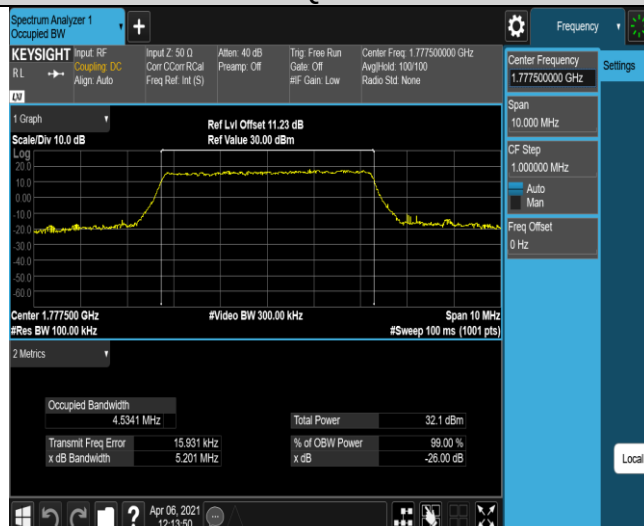
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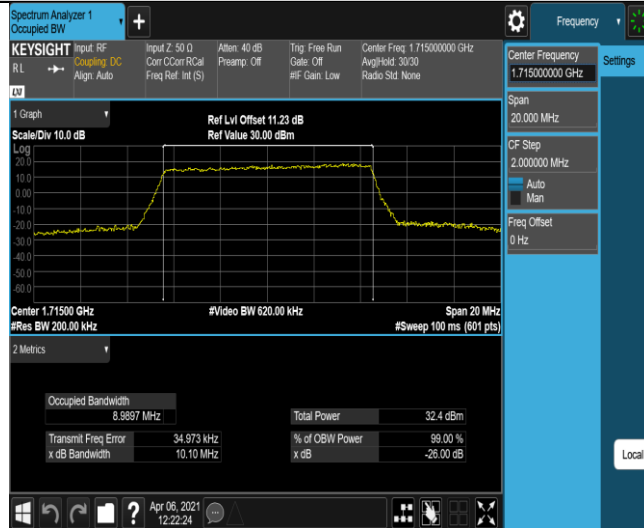
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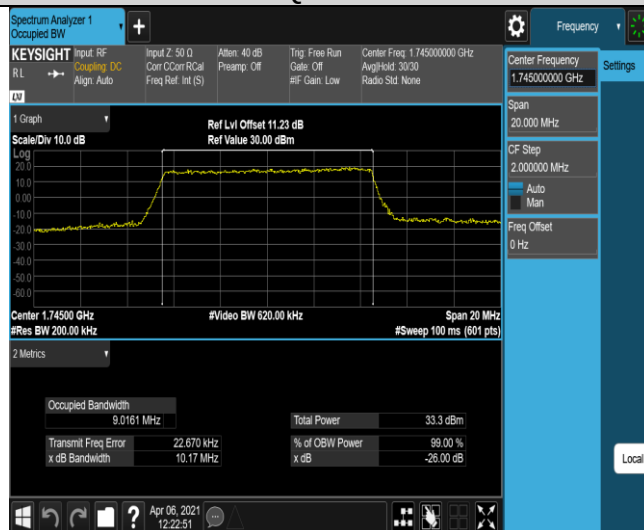
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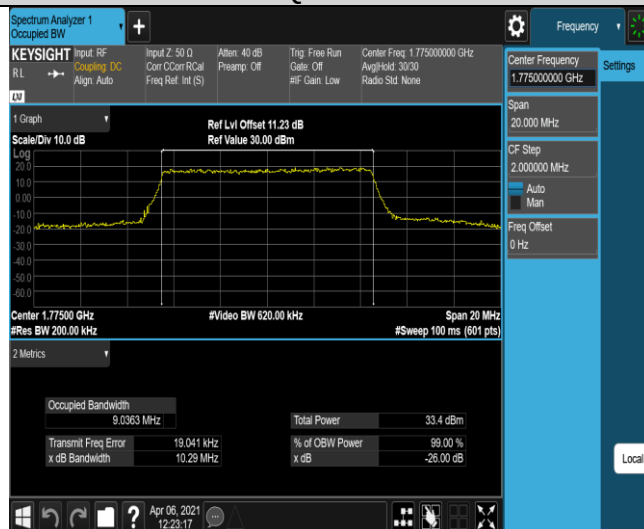
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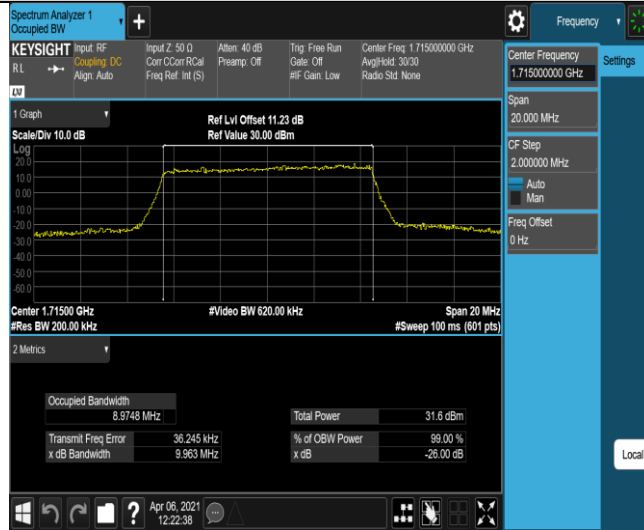
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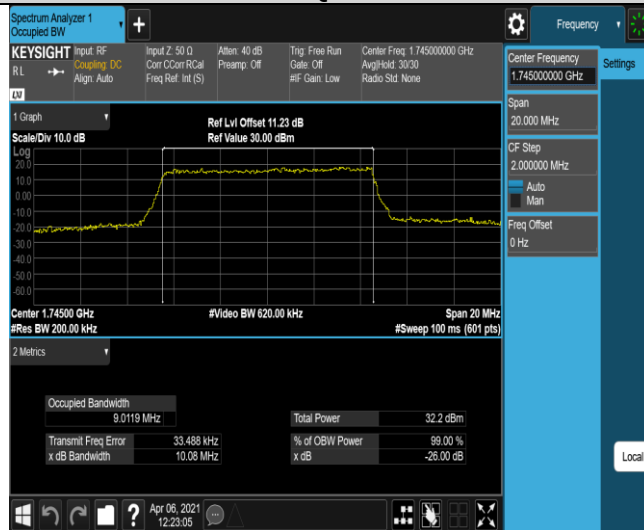
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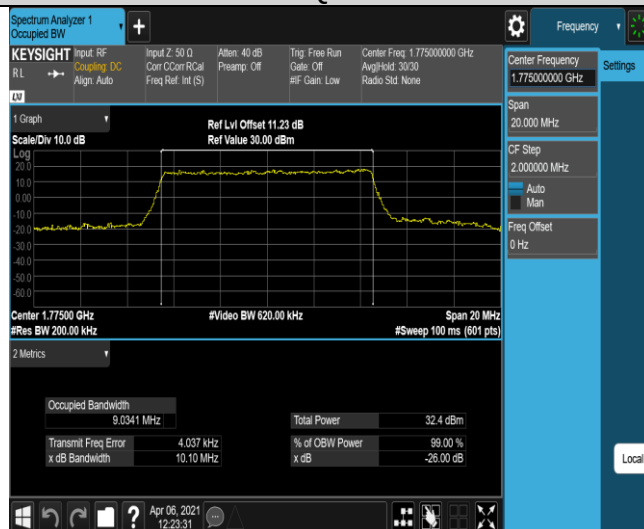
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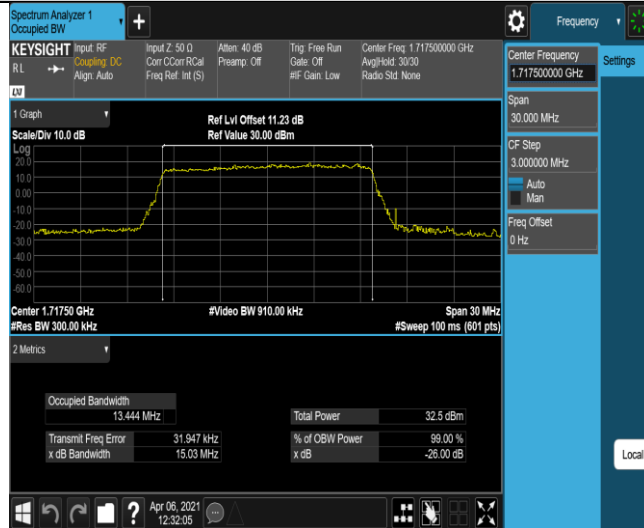
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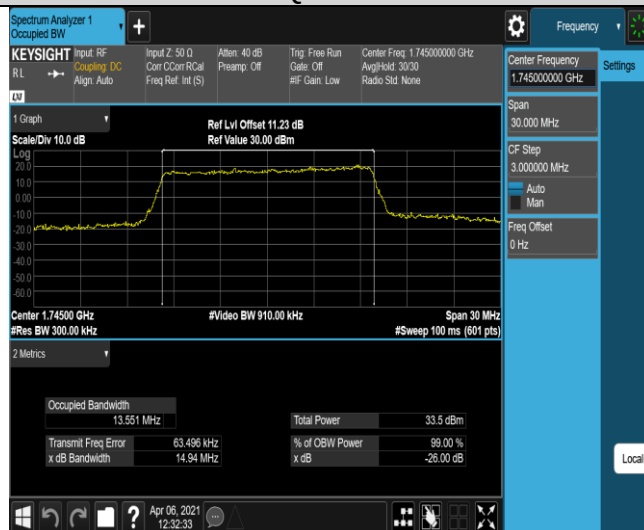
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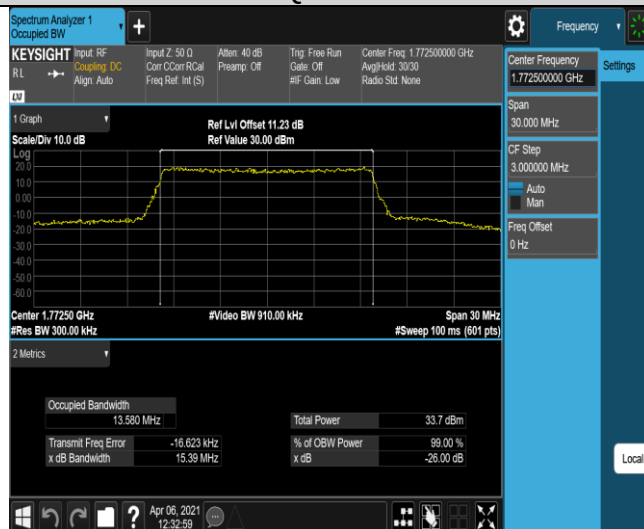
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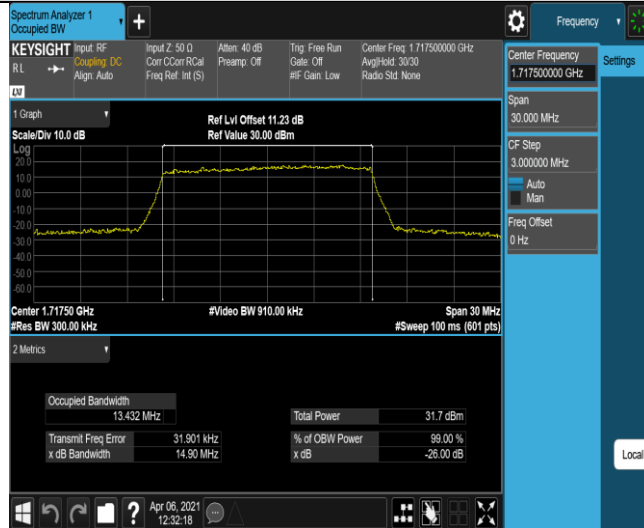
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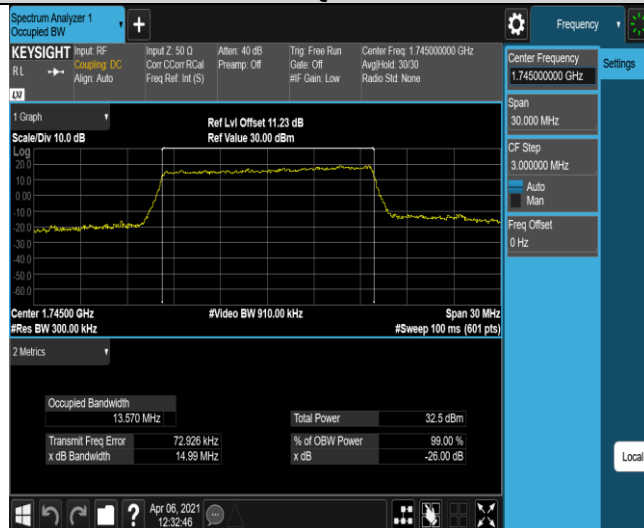
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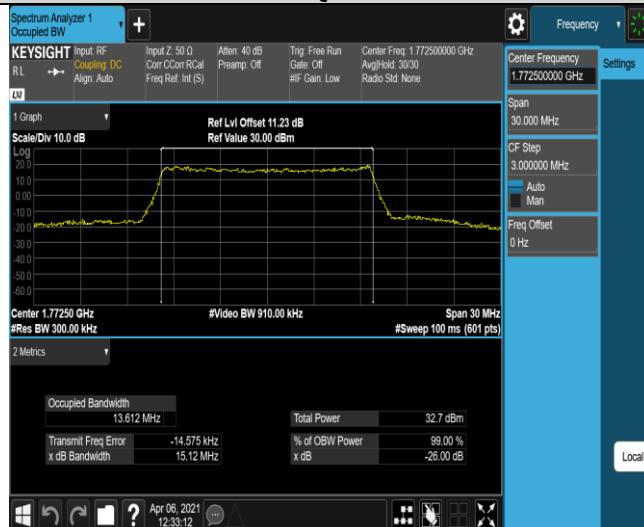
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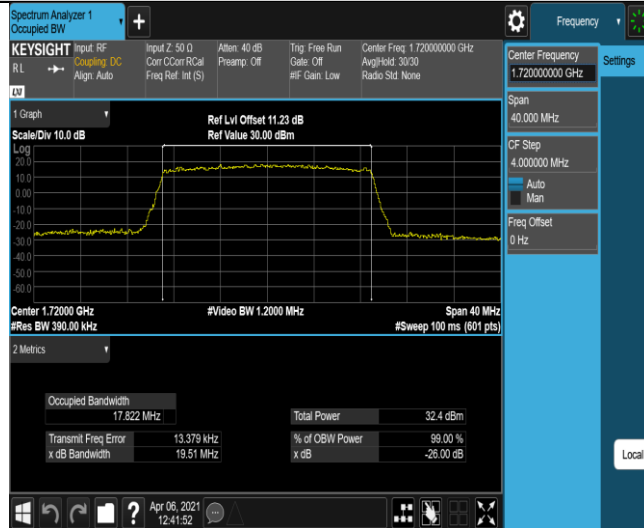
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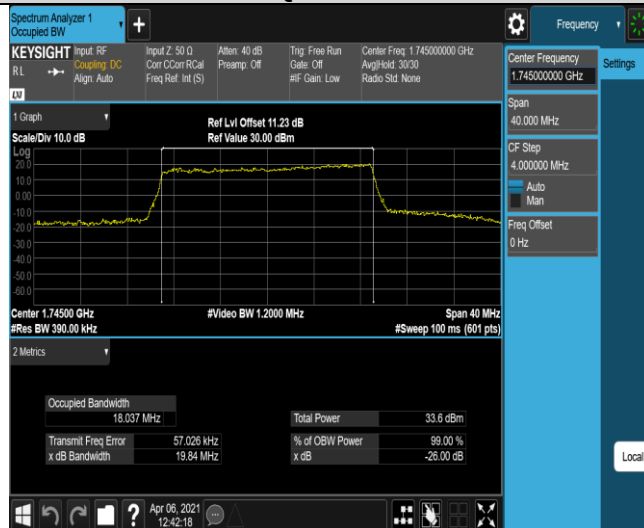
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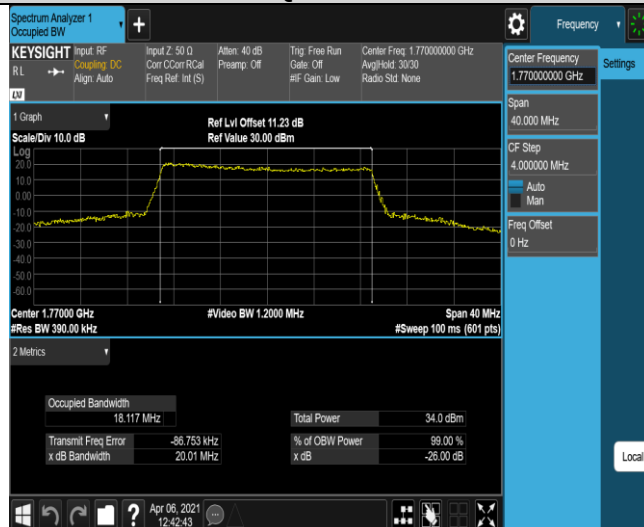
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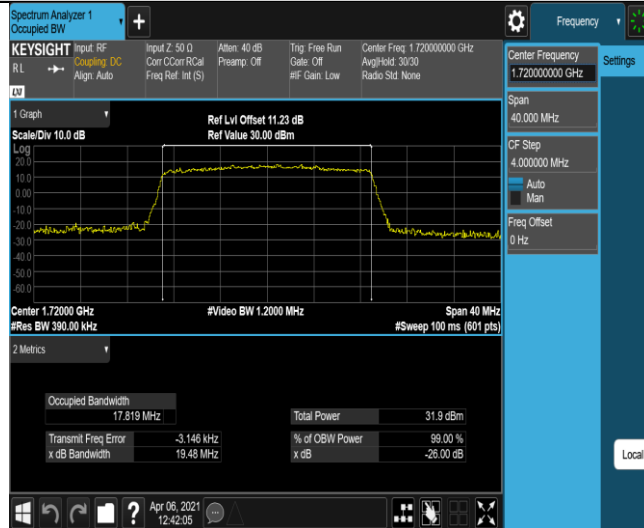
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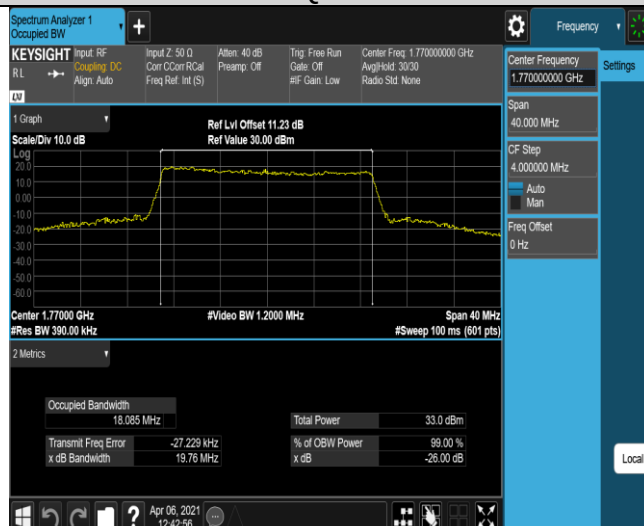
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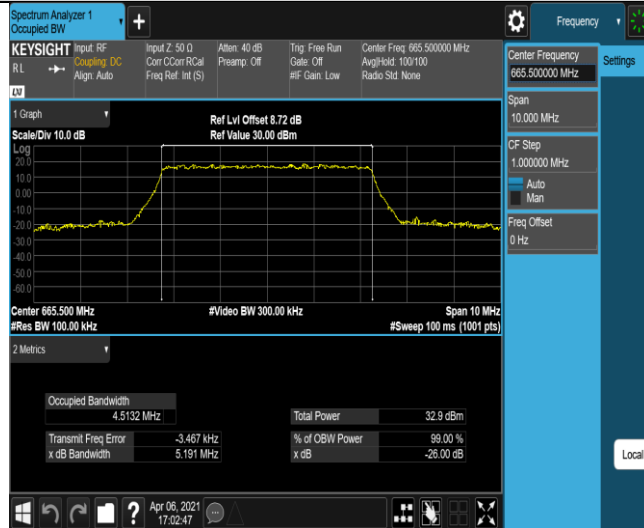
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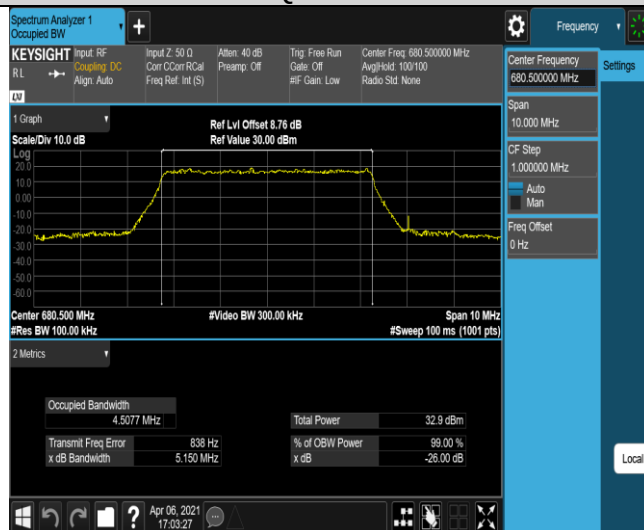
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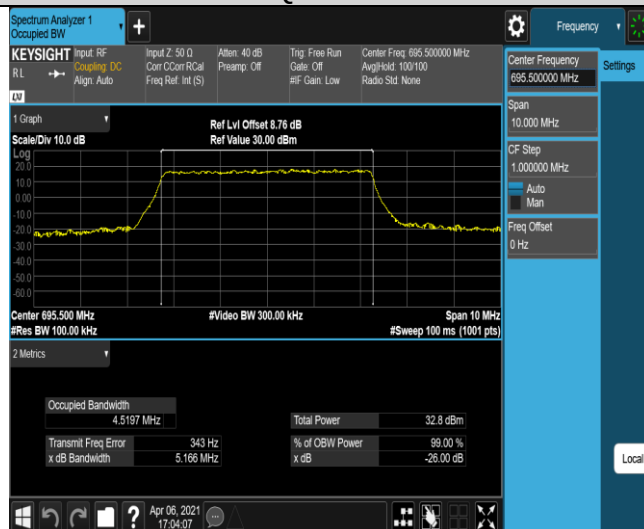
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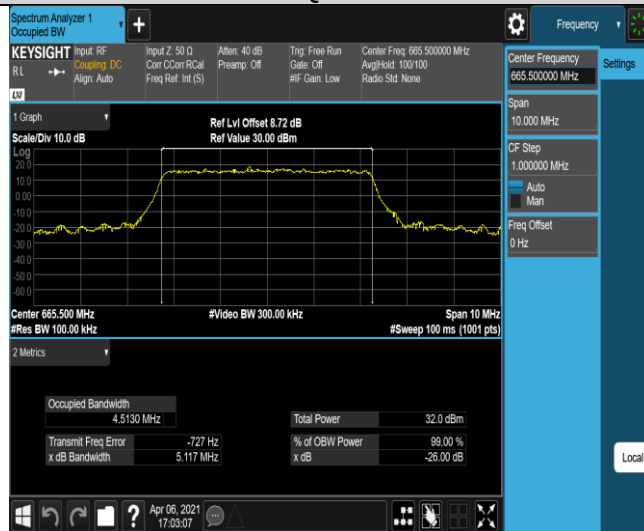
Band71-5MHz-QPSK-133297-25RB#0



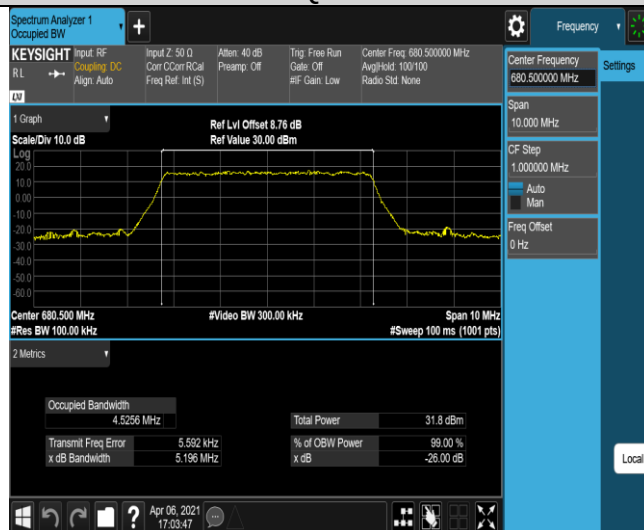
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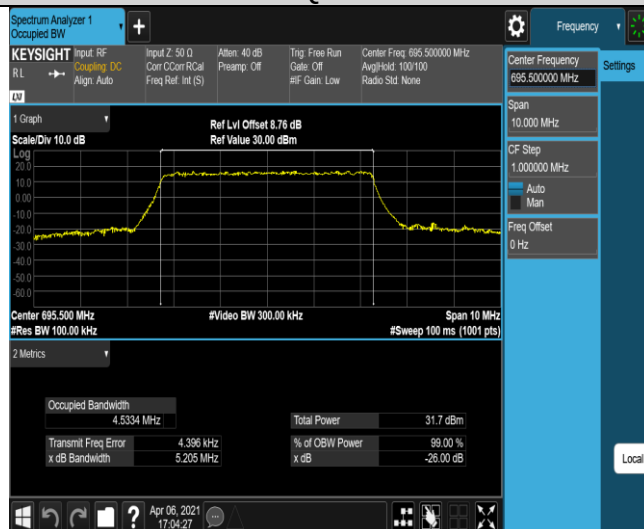
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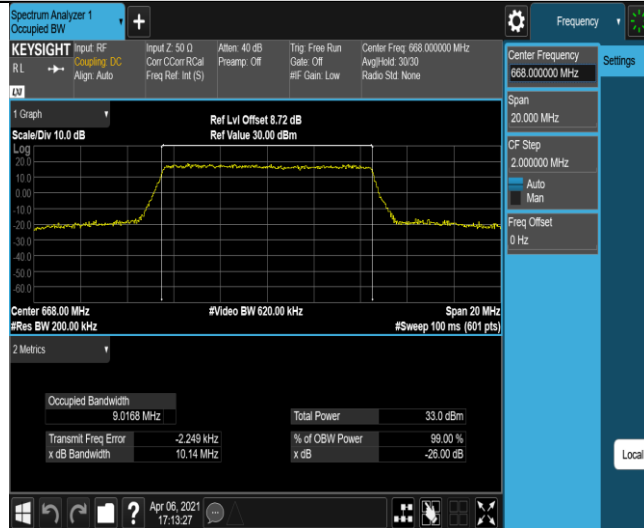
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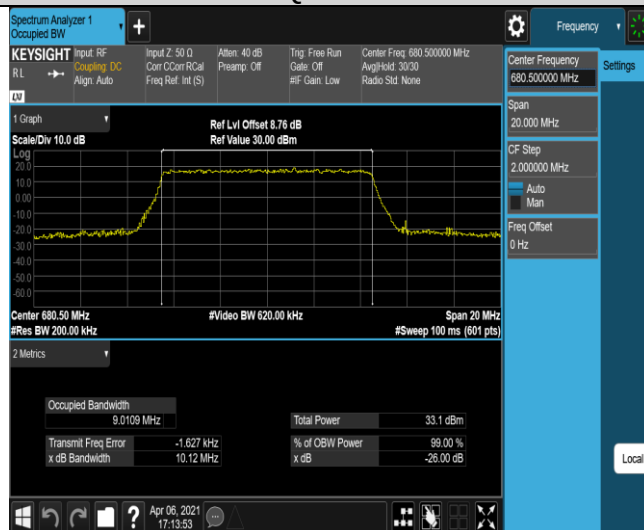
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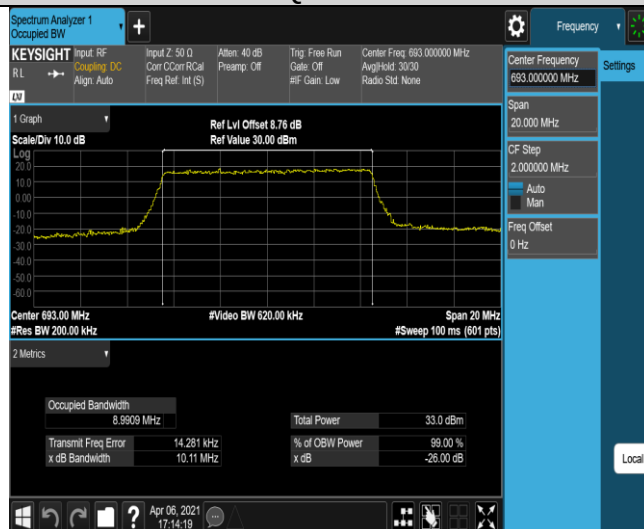
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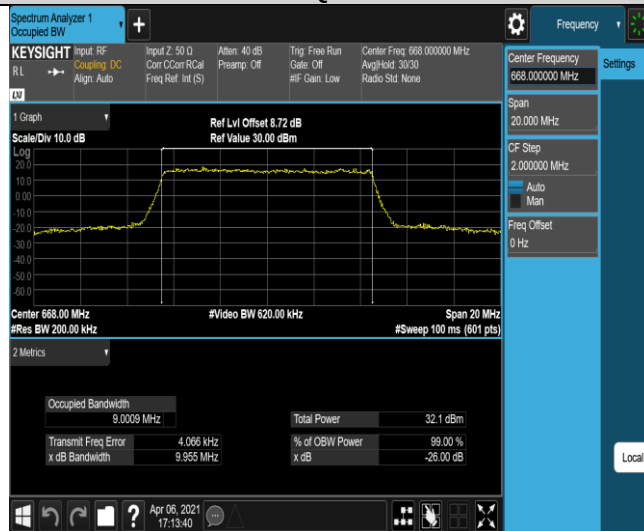
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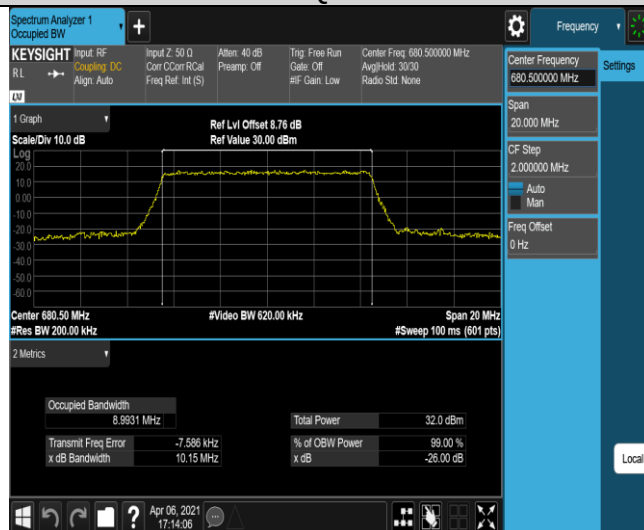
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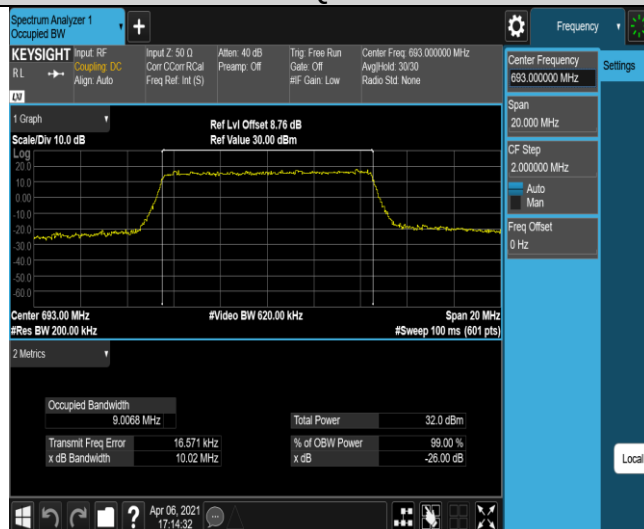
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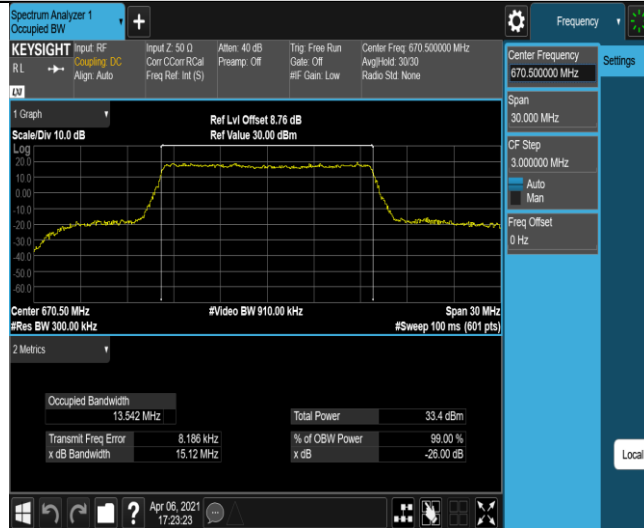
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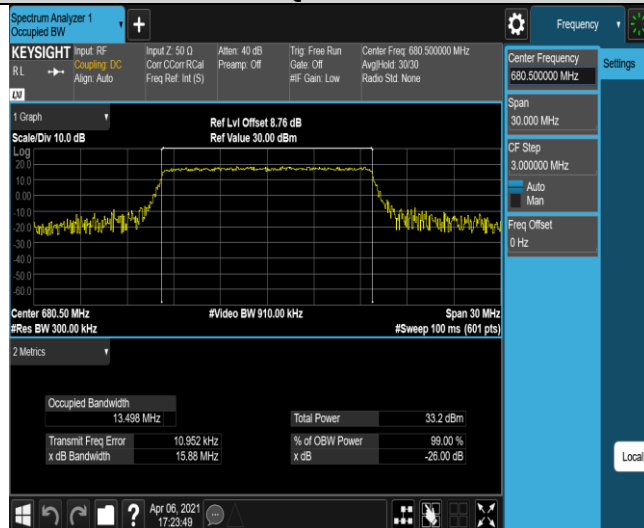
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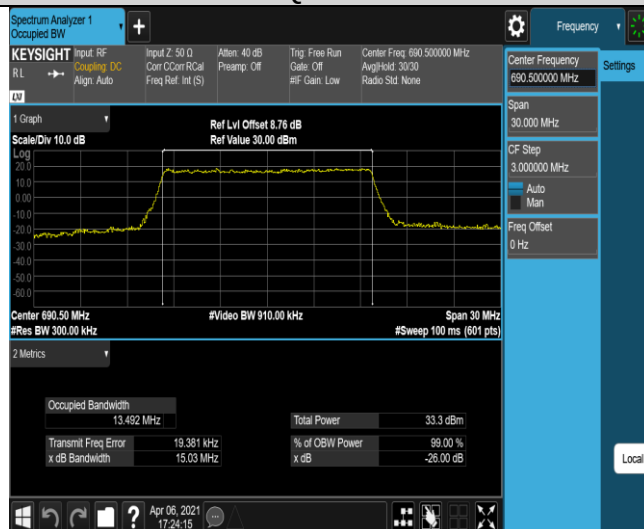
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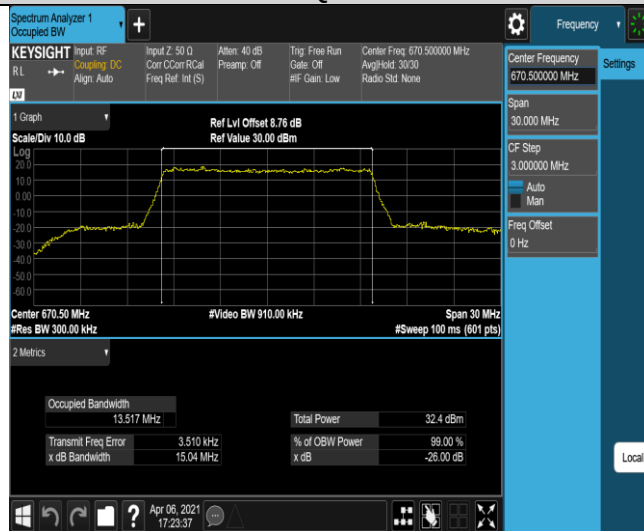
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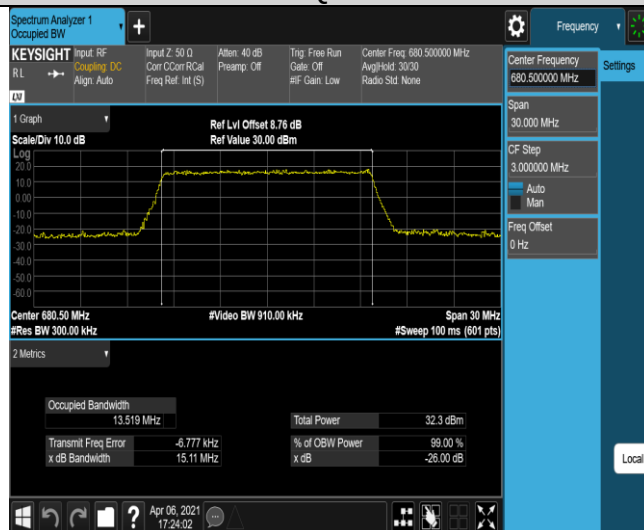
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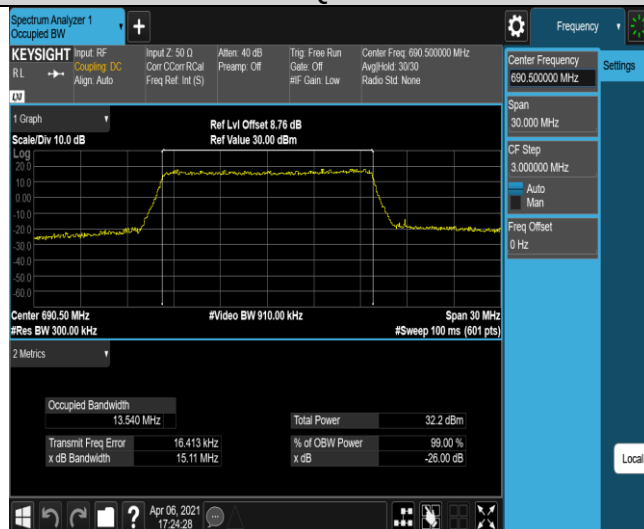
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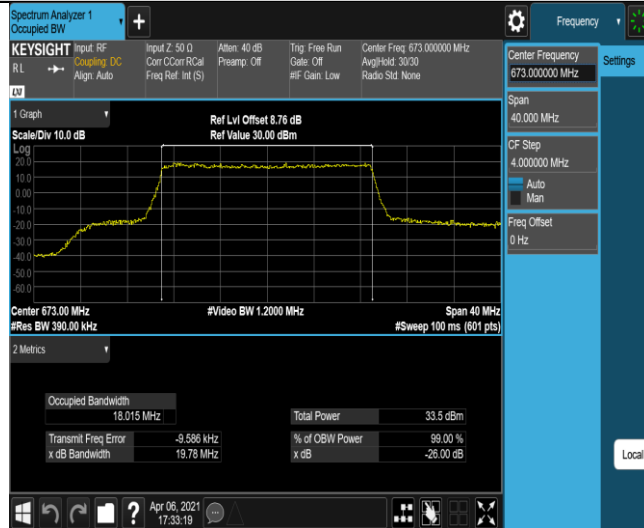
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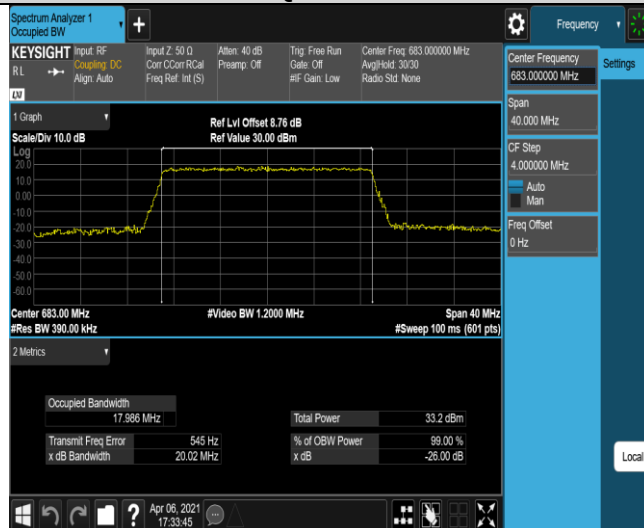
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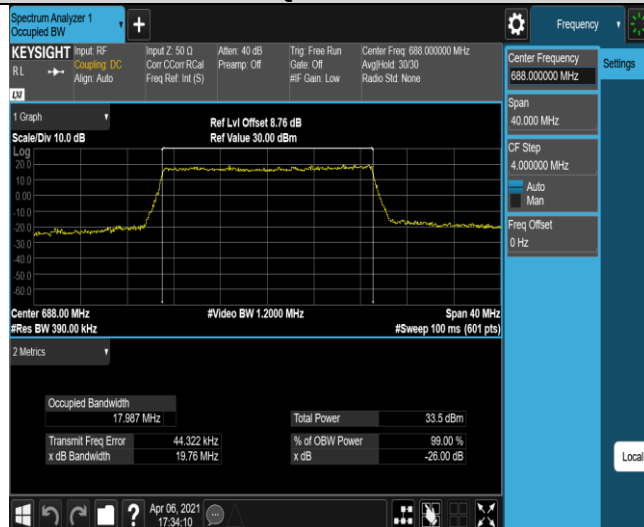
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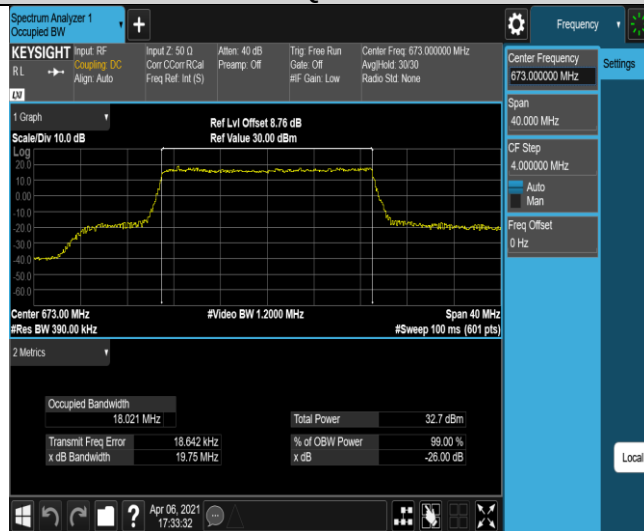
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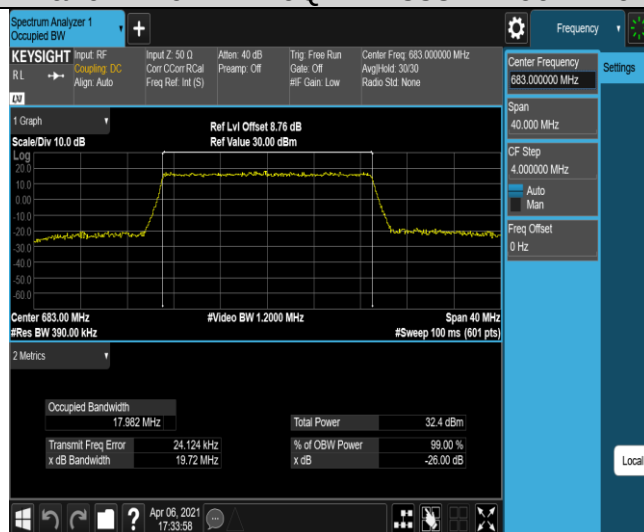
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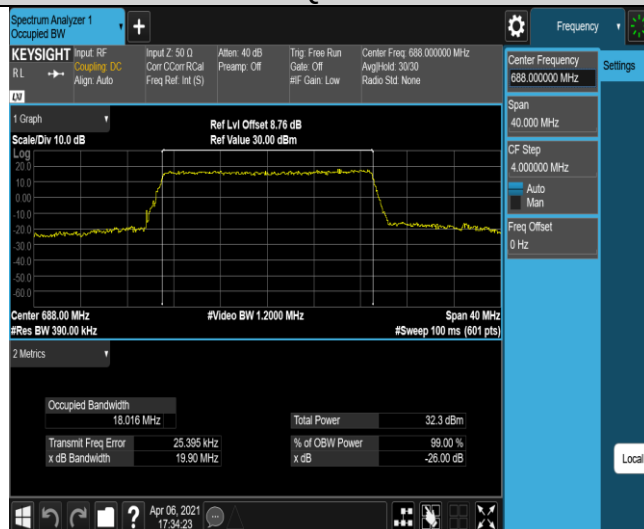
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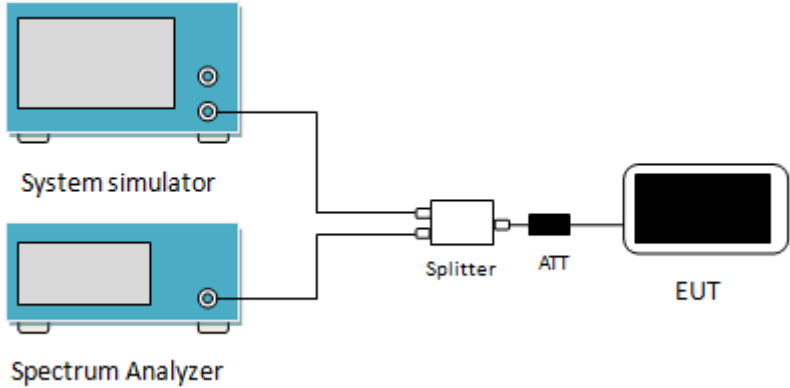
Band71-20MHz-16QAM-133322-100RB#0



Band71-20MHz-16QAM-133372-100RB#0



6.4 Out of band emission at antenna terminals

Test Requirement:	Part 22.917(a), Part 24.238 (a), part 27.53(g), part 27.53(h),
Limit:	LTE Band 2 & 4 & 5 & 12 & 66 & 71: The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB (-13 dBm).
Test Setup:	 The diagram illustrates the test setup. On the left, there are two blue rectangular boxes: the top one is labeled 'System simulator' and the bottom one is labeled 'Spectrum Analyzer'. Both have a single output port. These two ports are connected to a single input port of a white rectangular box labeled 'Splitter'. The 'Splitter' has two output ports. One output port is connected to a black rectangular box labeled 'ATT' (Attenuator). The other output port is connected to a black rectangular box labeled 'EUT' (Equipment Under Test).
Test Procedure:	1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. 2 For the out of band: For Band 5 & 12 & 17 set the RBW=100 kHz, VBW=300 kHz and for Band 2 & 4 & 7 set the RBW=1 MHz, VBW=3 MHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic. 3 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	Pre-scan all RB Size and offset, and found the RB Size and offset of worst case, so the report shows only the worst case test data.

Measurement Data:
Test plots as follows (Conducted spurious emission) (worst case):

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	Range1:30~1000MHz	-39.36	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-38.19	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-39	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-38.17	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-38.34	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-36.44	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-38.12	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-37.88	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-38.98	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-37.43	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-38.03	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-38.17	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range1:30~1000MHz	-39.23	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range2:1000~20000MHz	-37.8	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-38.1	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-37.76	PASS
Band2	3MHz	16QAM	18615	1RB#0	Range1:30~1000MHz	-38.62	PASS
Band2	3MHz	16QAM	18615	1RB#0	Range2:1000~20000MHz	-36.85	PASS
Band2	3MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-38.29	PASS
Band2	3MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-37.24	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range1:30~1000MHz	-38.58	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range2:1000~20000MHz	-36.79	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-38.85	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-38.01	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range1:30~1000MHz	-38.28	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range2:1000~20000MHz	-36.1	PASS
Band2	5MHz	16QAM	18625	1RB#0	Range1:30~1000MHz	-37.98	PASS
Band2	5MHz	16QAM	18625	1RB#0	Range2:1000~20000MHz	-37.6	PASS

Band2	5MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-38.29	PASS
Band2	5MHz	16QAM	18900	1RB#0	Range2:1000~20000M Hz	-38.03	PASS
Band2	5MHz	16QAM	19175	1RB#0	Range1:30~1000MHz	-38.08	PASS
Band2	5MHz	16QAM	19175	1RB#0	Range2:1000~20000M Hz	-37.79	PASS
Band2	10MHz	QPSK	18650	1RB#0	Range1:30~1000MHz	-38.46	PASS
Band2	10MHz	QPSK	18650	1RB#0	Range2:1000~20000M Hz	-37.6	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-37.13	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range2:1000~20000M Hz	-37.47	PASS
Band2	10MHz	16QAM	18650	1RB#0	Range1:30~1000MHz	-38.41	PASS
Band2	10MHz	16QAM	18650	1RB#0	Range2:1000~20000M Hz	-37.49	PASS
Band2	10MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-37.53	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-38.1	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000M Hz	-37.51	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-38.31	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000M Hz	-38.08	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-38.71	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000M Hz	-37.33	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-38.27	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000M Hz	-36.98	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-38.59	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000M Hz	-36.99	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-37.44	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000M Hz	-36.41	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:30~1000MHz	-37.95	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~20000M Hz	-26.91	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-38.47	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~20000M Hz	-29.71	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-38.09	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~20000M Hz	-35.51	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-38.8	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~20000M Hz	-36.47	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-38.28	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~20000M	-29.8	PASS

					Hz		
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-37.69	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~20000M Hz	-32.47	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-38.5	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~20000M Hz	-28.87	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-38.56	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~20000M Hz	-33.07	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-37.89	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~20000M Hz	-28.67	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-38.59	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~20000M Hz	-28.91	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-38.8	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~20000M Hz	-29.19	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-39.01	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~20000M Hz	-30.9	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-46.74	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000M Hz	-38.87	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-48.17	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000M Hz	-39.79	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-48.31	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000M Hz	-39.2	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-47.55	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000M Hz	-39.35	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-46.74	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000M Hz	-39.83	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-48.25	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000M Hz	-39.32	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-47.91	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000M Hz	-39.68	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-48.58	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000M Hz	-39.23	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-49.11	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000M	-39.53	PASS