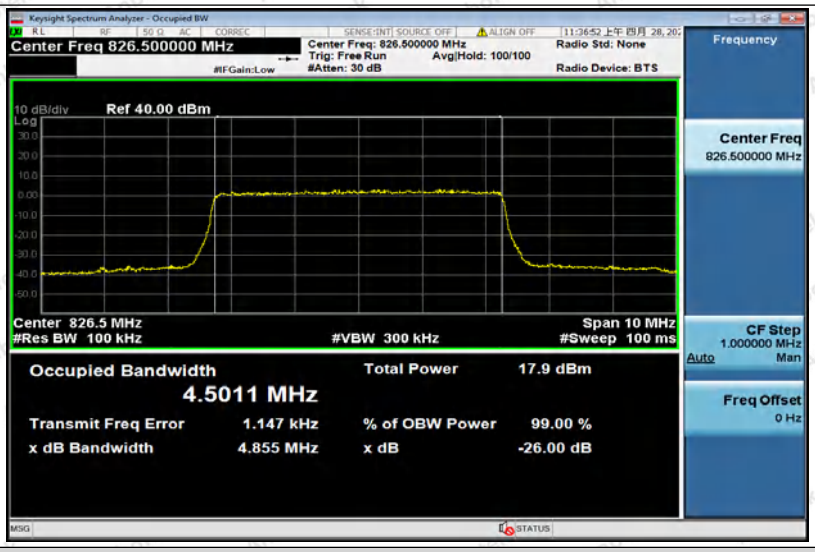
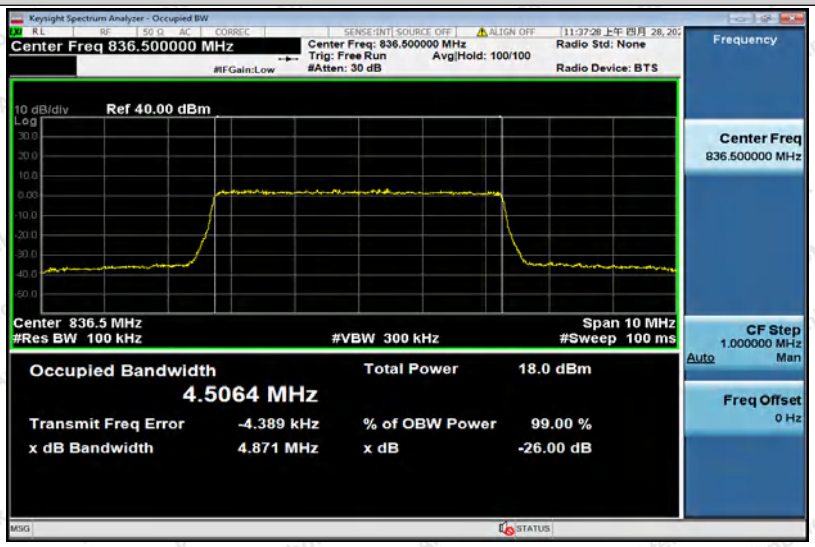
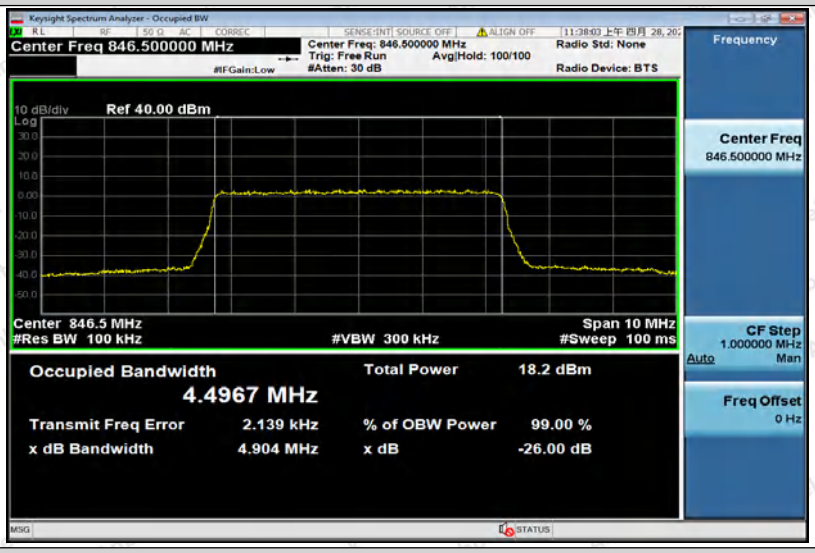


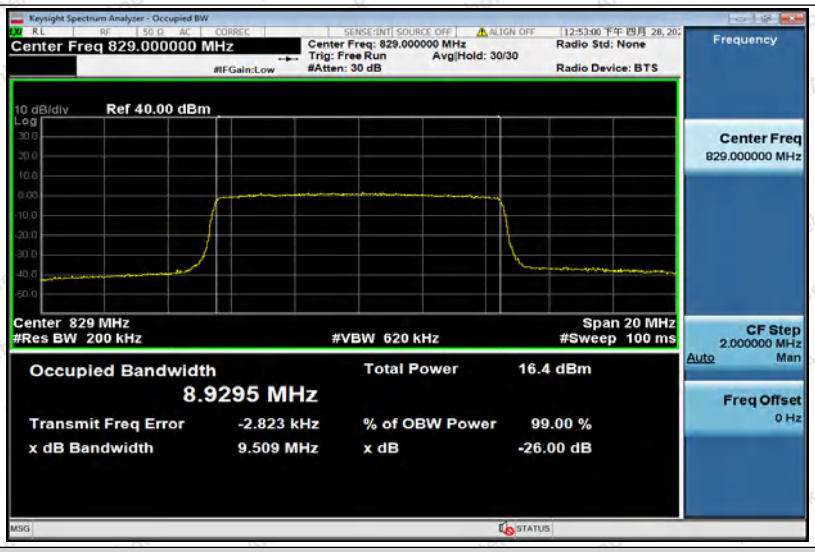
Band5-5MHz-16QAM-20525-25RB#0-4.5064



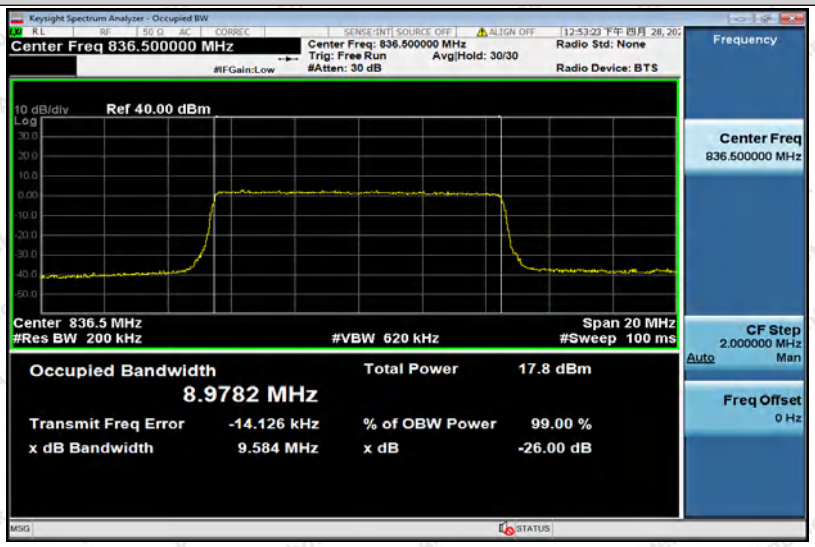
Band5-5MHz-16QAM-20625-25RB#0-4.4967



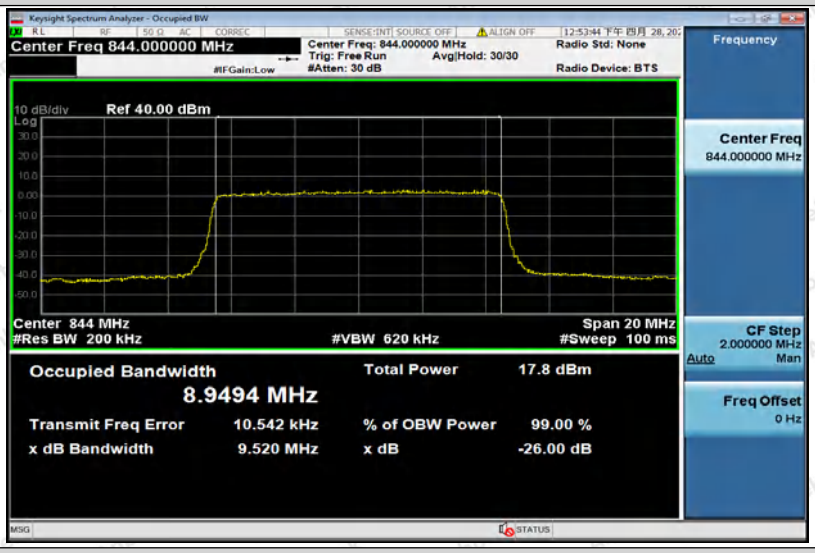
Band5-10MHz-QPSK-20450-50RB#0-8.9295



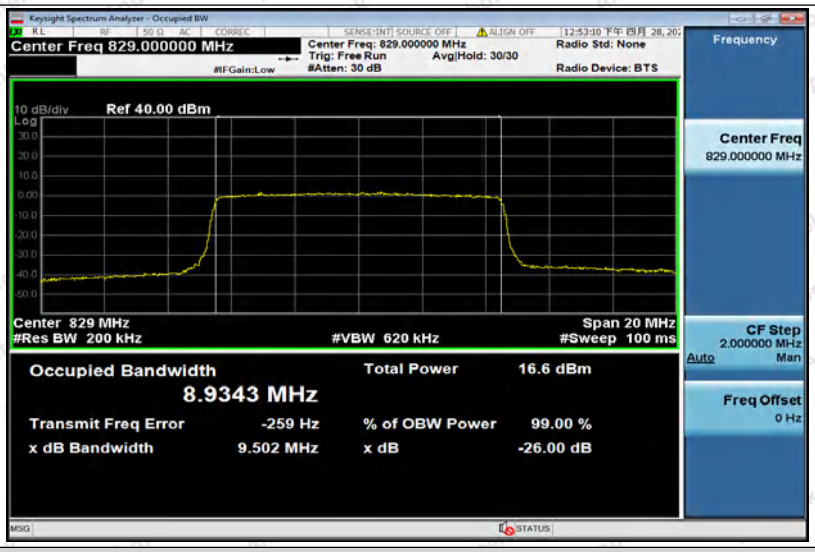
Band5-10MHz-QPSK-20525-50RB#0-8.9782



Band5-10MHz-QPSK-20600-50RB#0-8.9494



Band5-10MHz-16QAM-20450-50RB#0-8.9343



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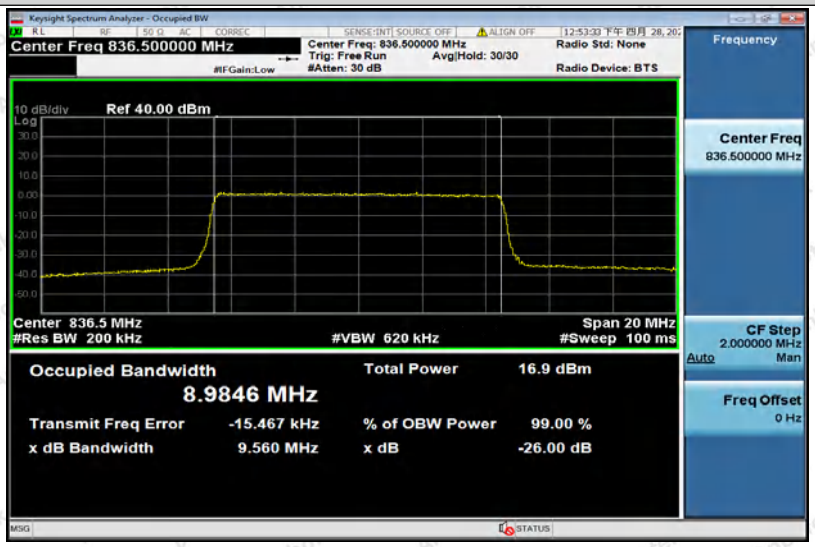
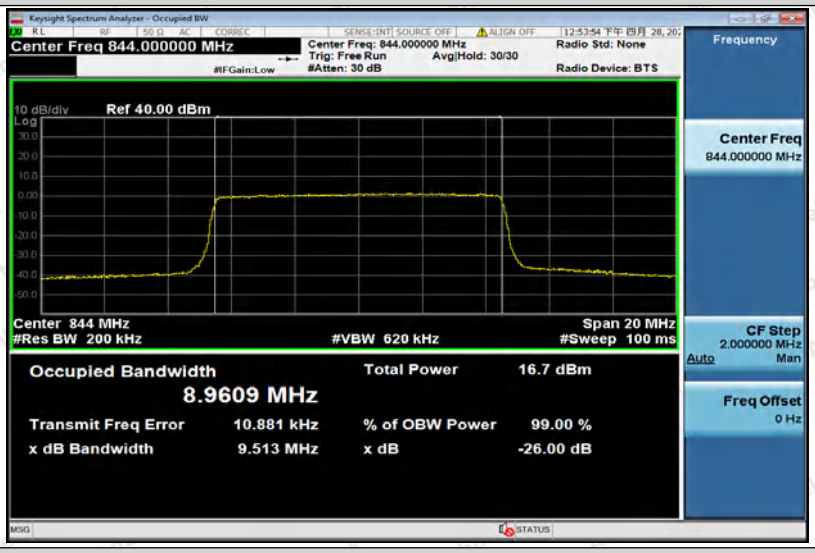
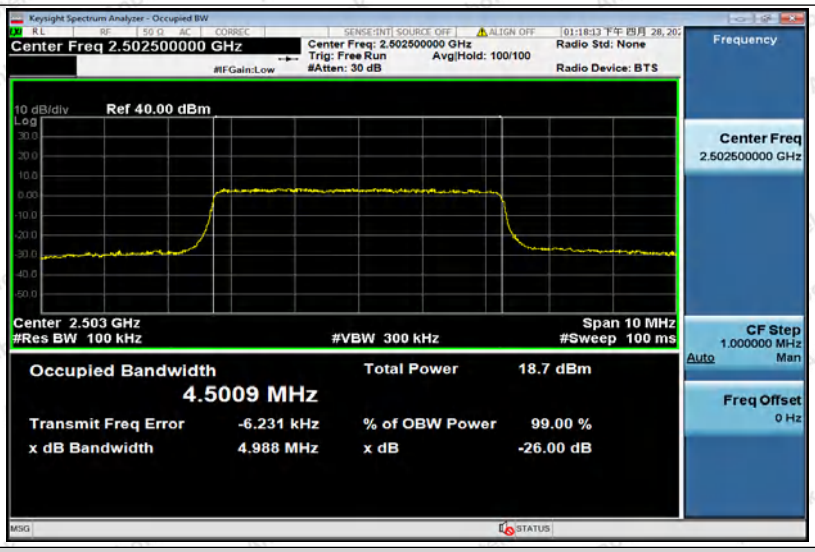


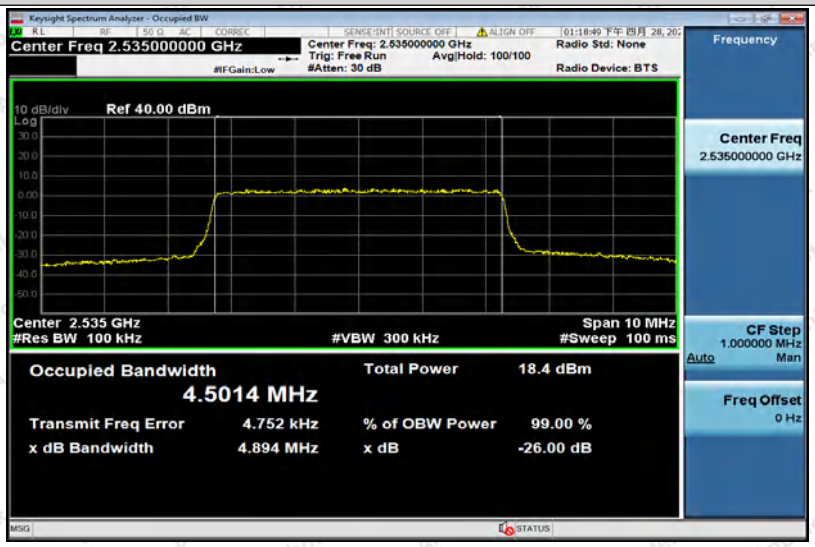
Band5-10MHz-16QAM-20600-50RB#0-8.9609



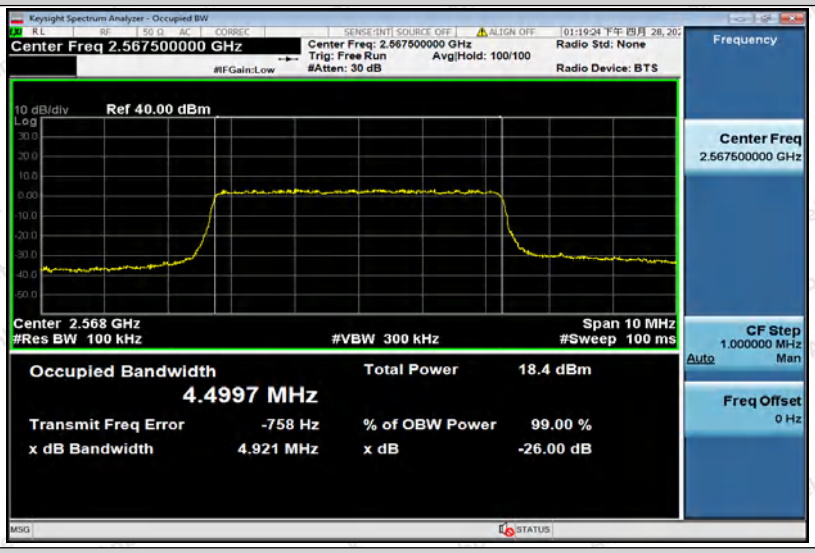
Band7-5MHz-QPSK-20775-25RB#0-4.5009



Band7-5MHz-QPSK-21100-25RB#0-4.5014



Band7-5MHz-QPSK-21425-25RB#0-4.4997



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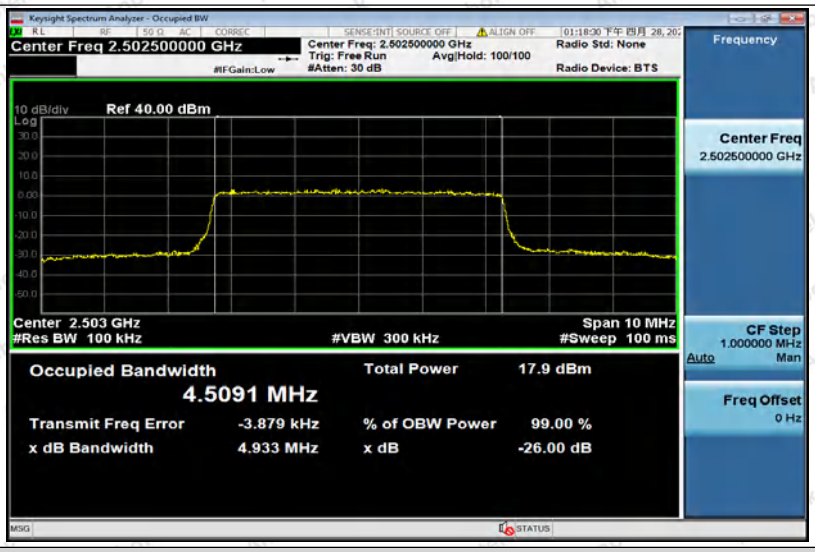

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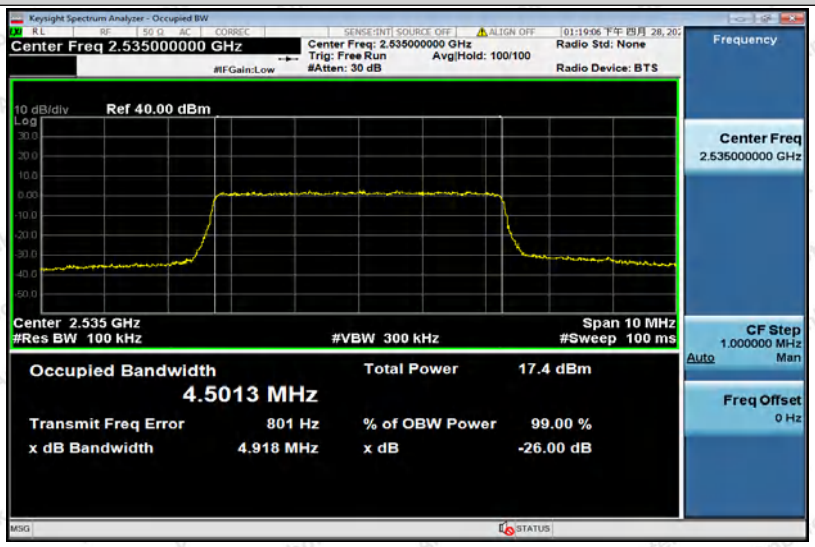

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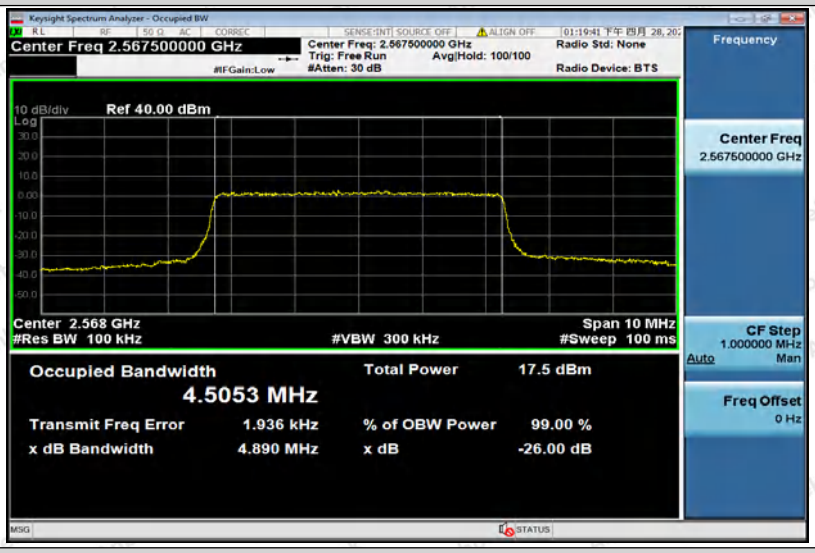
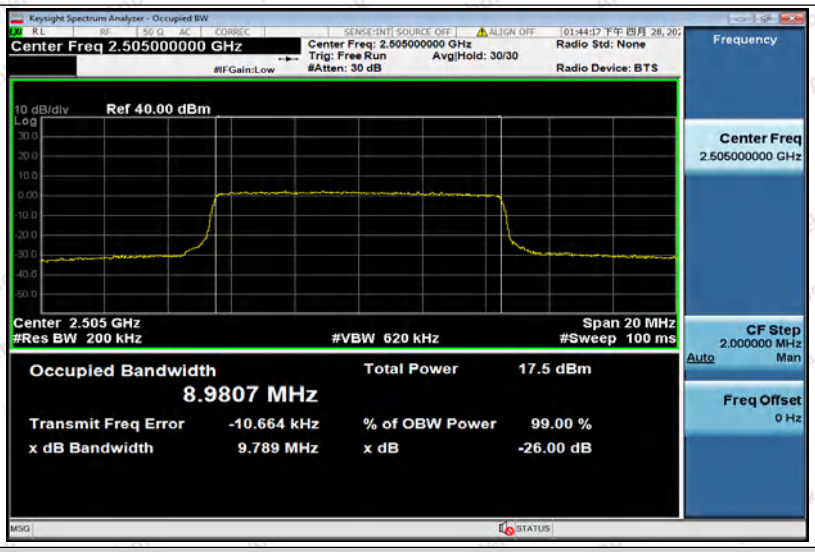


Band7-10MHz-QPSK-20800-50RB#0-8.9807



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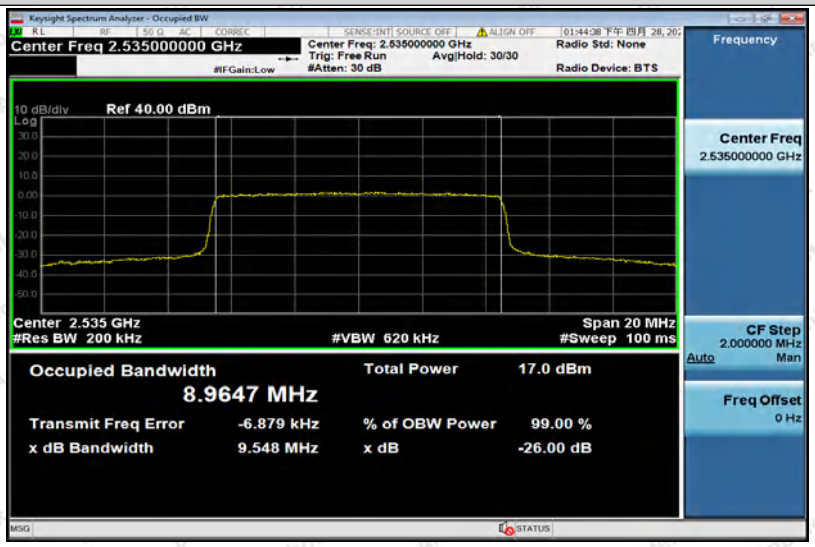

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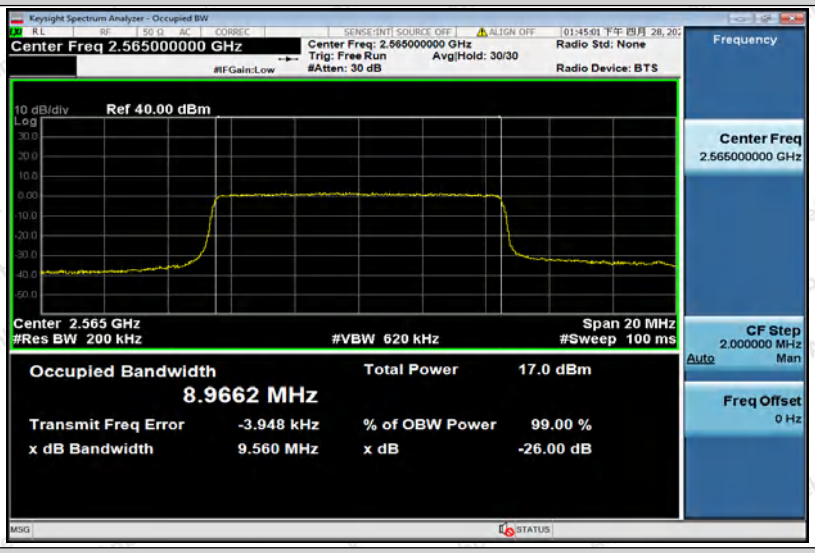

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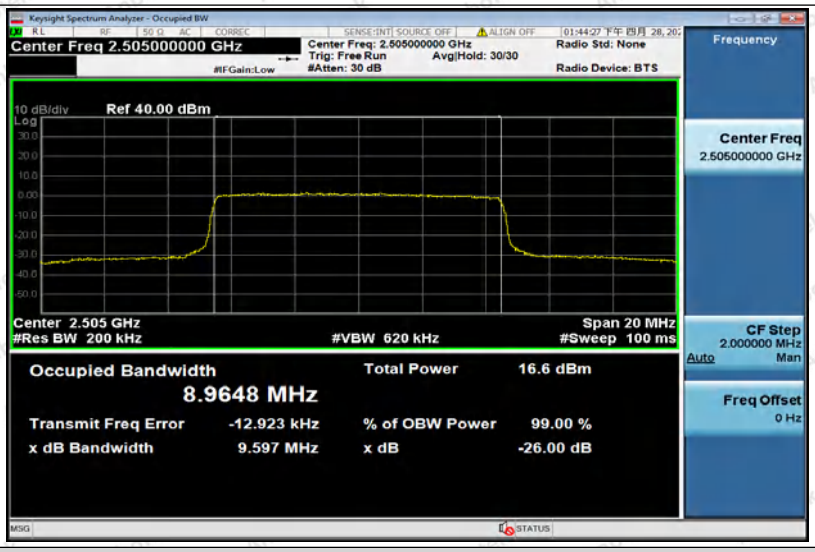
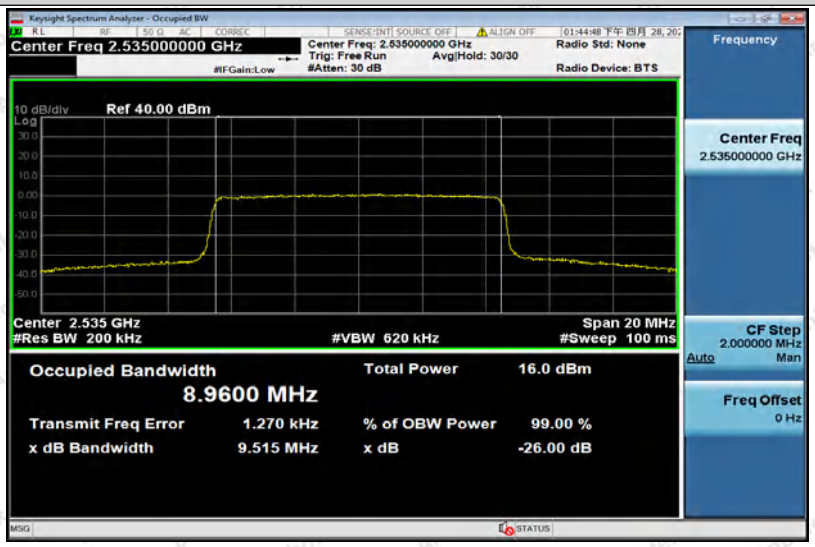


Band7-10MHz-16QAM-21100-50RB#0-8.9600



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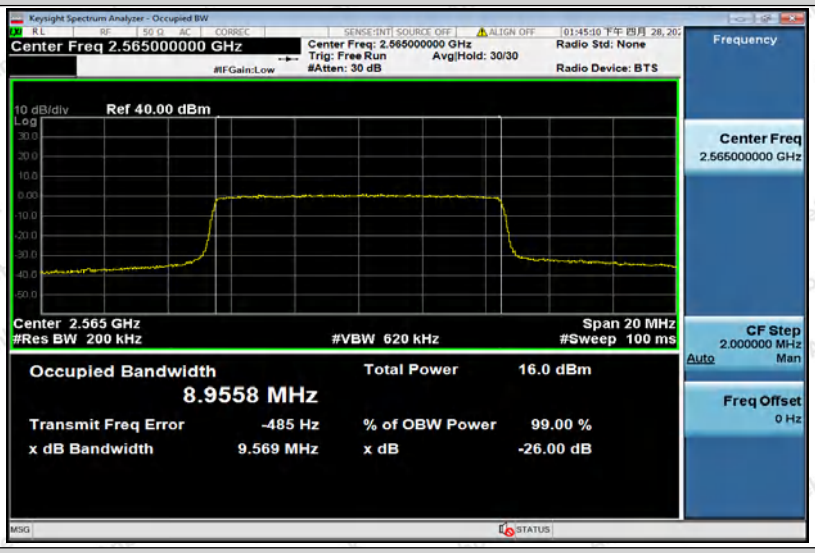
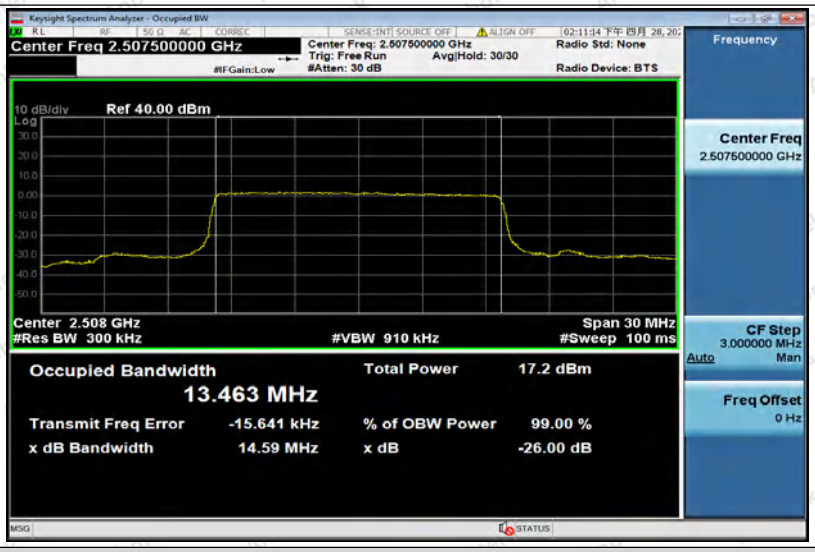


Band7-15MHz-QPSK-20825-75RB#0-13.463



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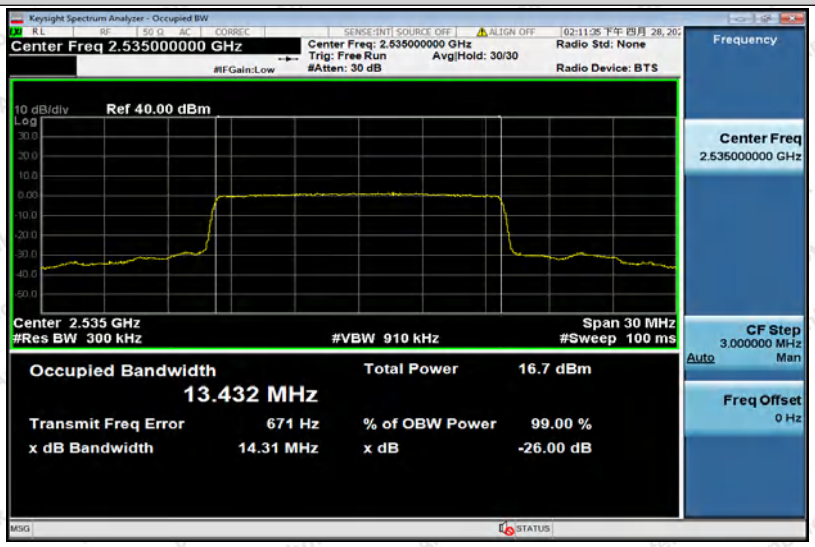

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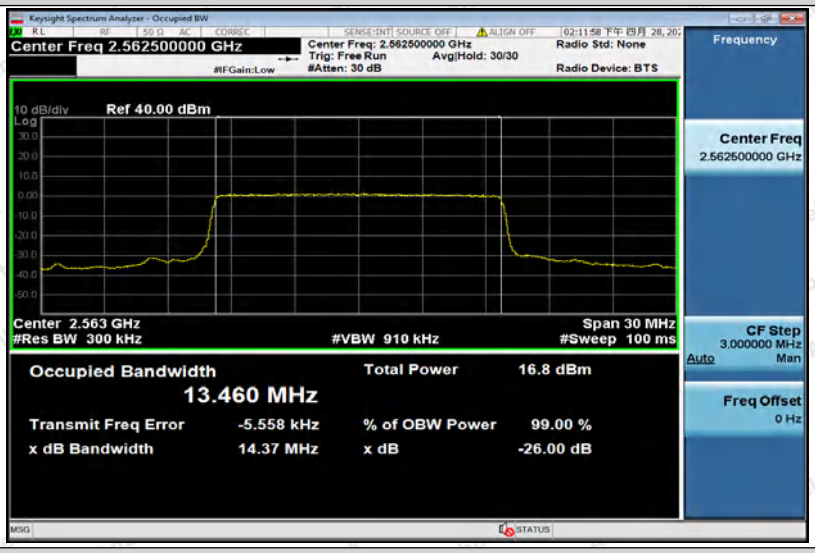
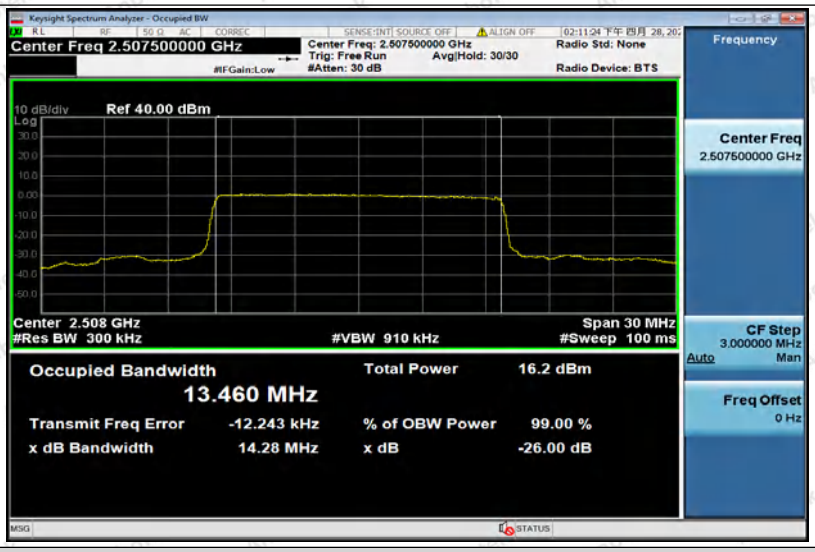


Band7-15MHz-16QAM-20825-75RB#0-13.460



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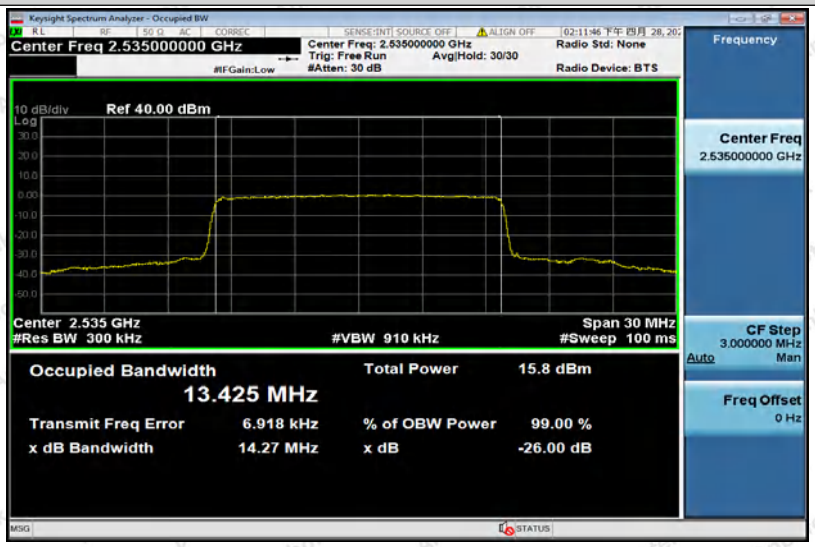

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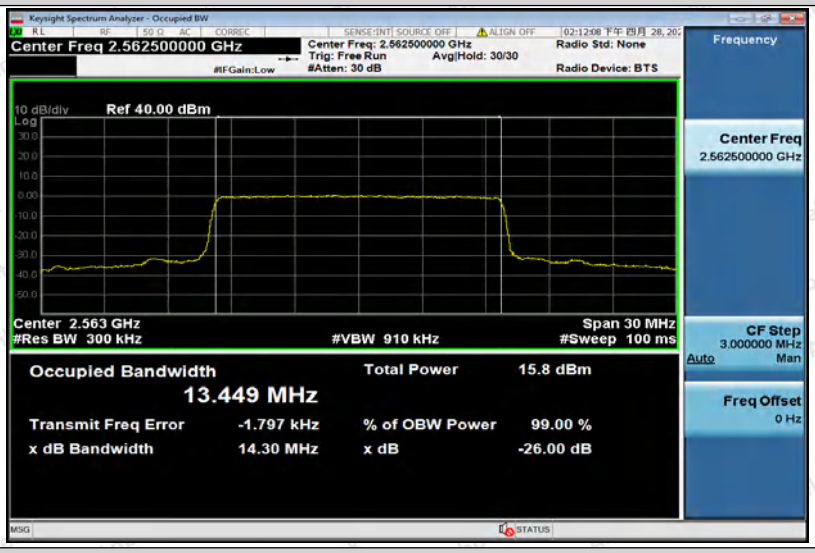
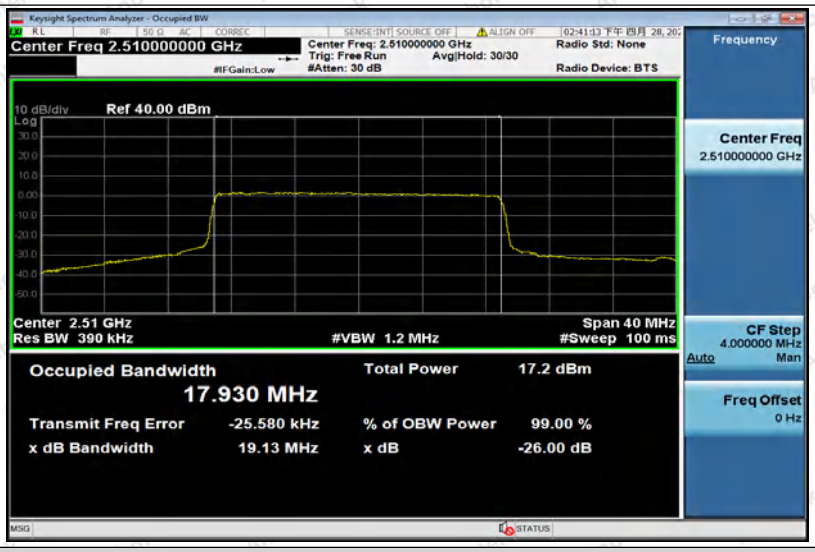
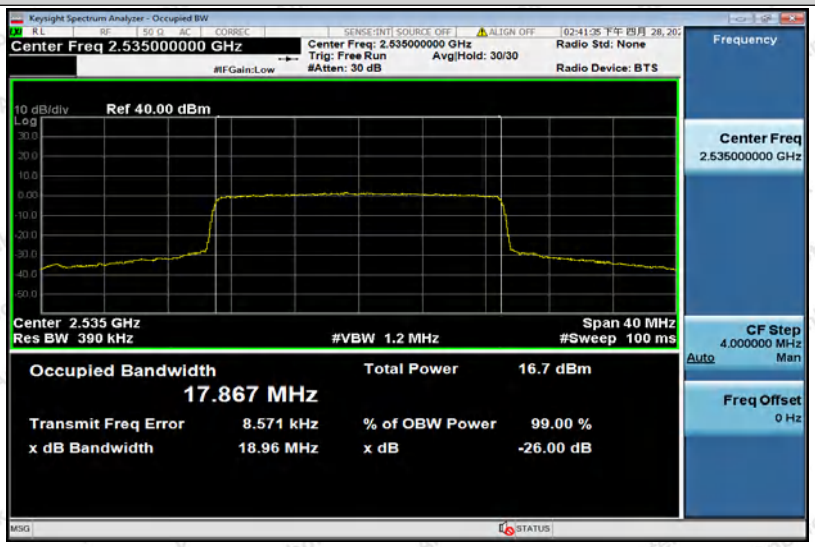


Band7-20MHz-QPSK-20850-100RB#0-17.930



Band7-20MHz-QPSK-21100-100RB#0-17.867



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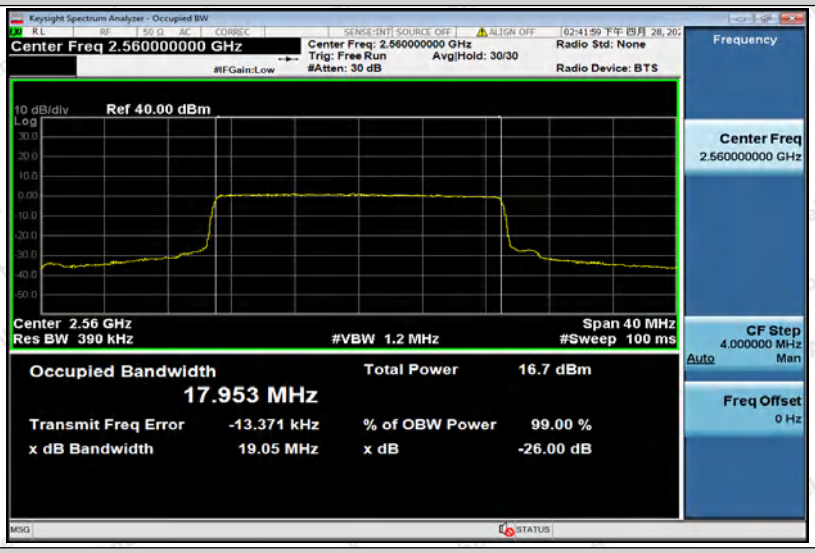

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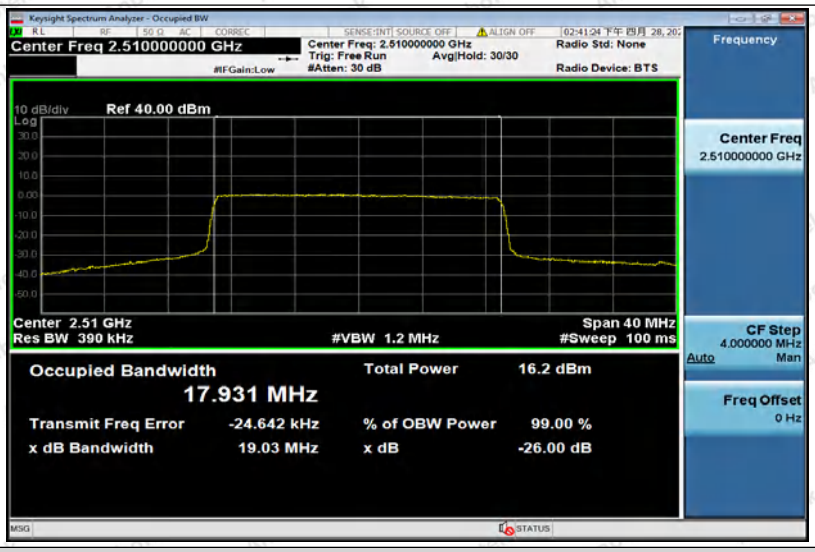
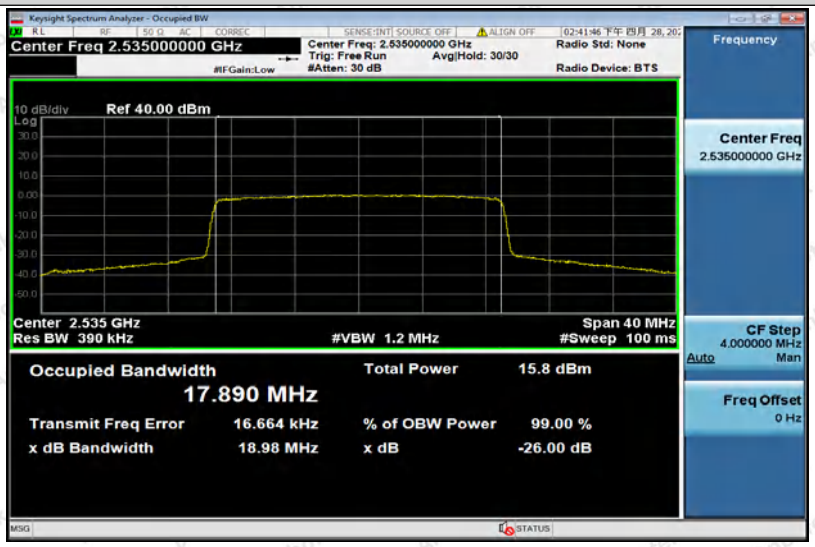


Band7-20MHz-16QAM-21100-100RB#0-17.890



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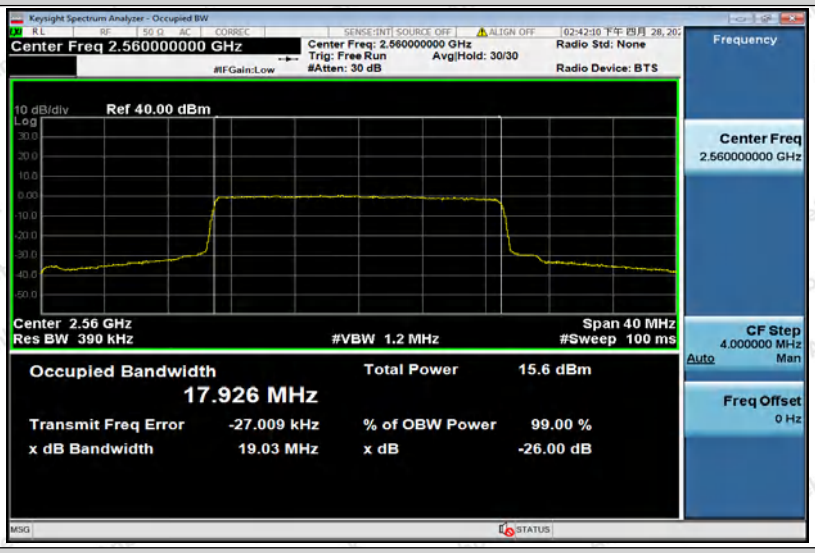
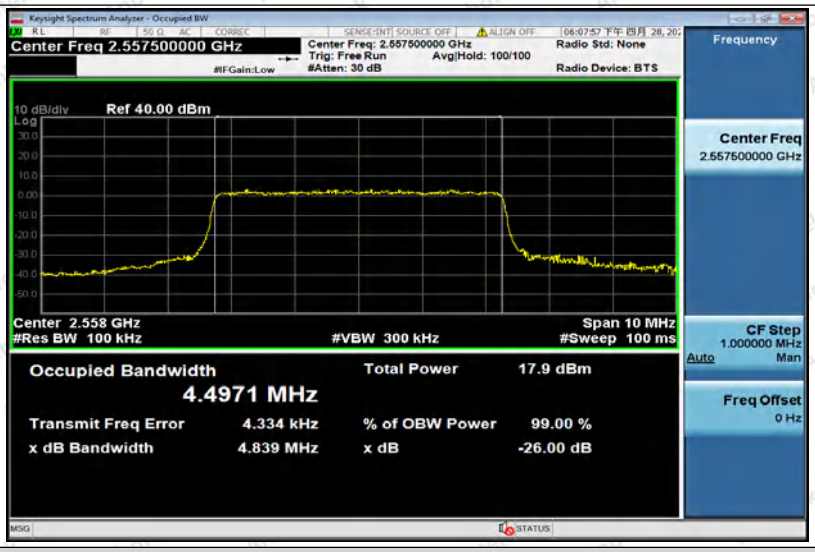
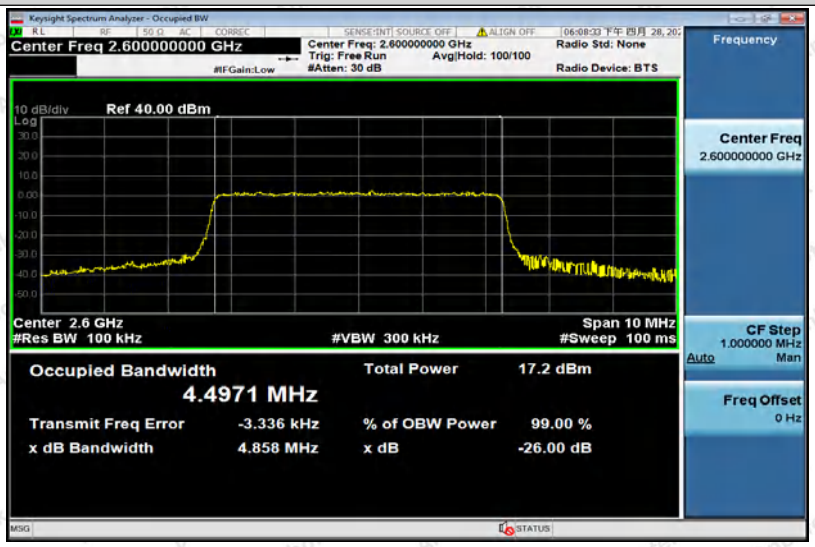


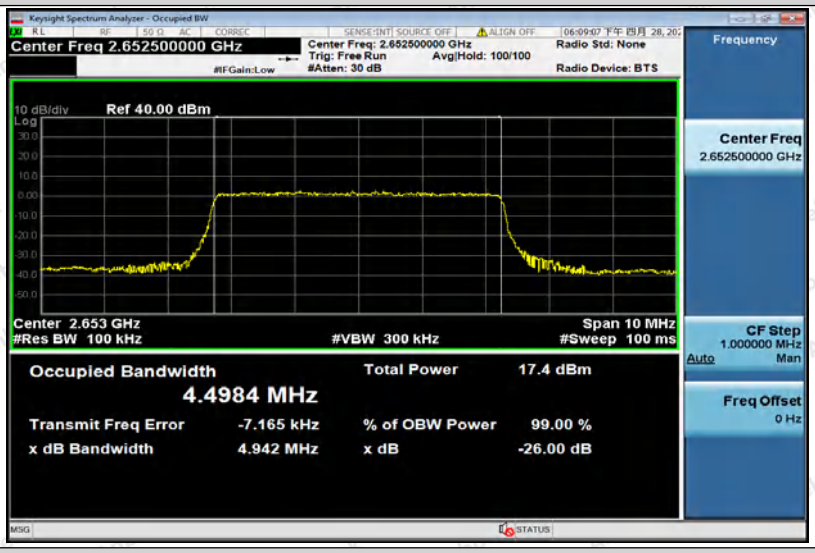
Band41-5MHz-QPSK-40265-25RB#0-4.4971



Band41-5MHz-QPSK-40690-25RB#0-4.4971



Band41-5MHz-QPSK-41215-25RB#0-4.4984



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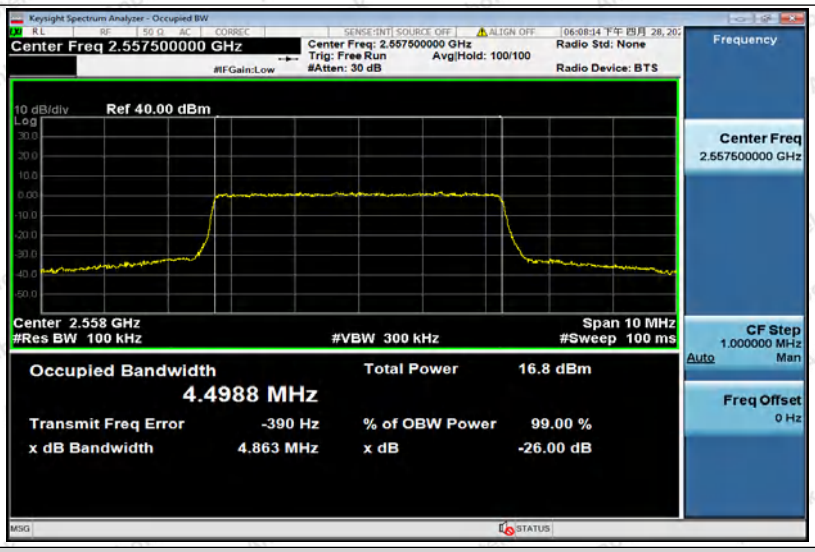
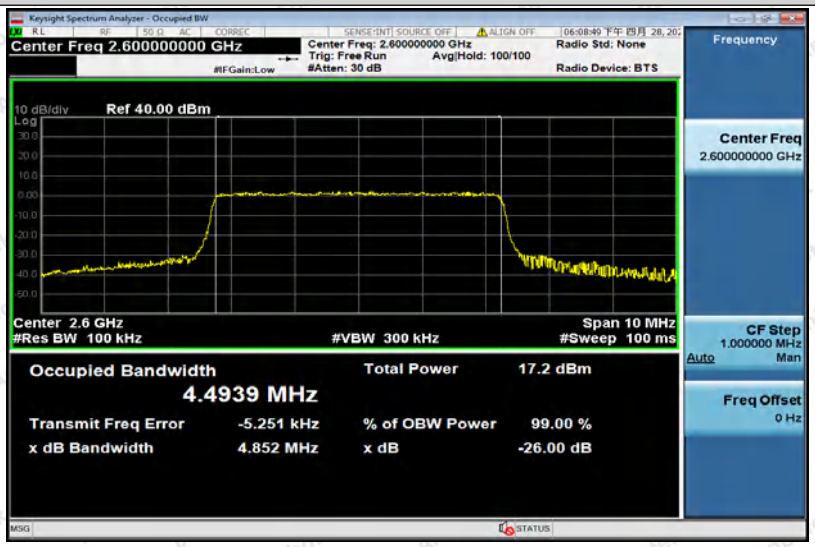


Band41-5MHz-16QAM-40690-25RB#0-4.4939



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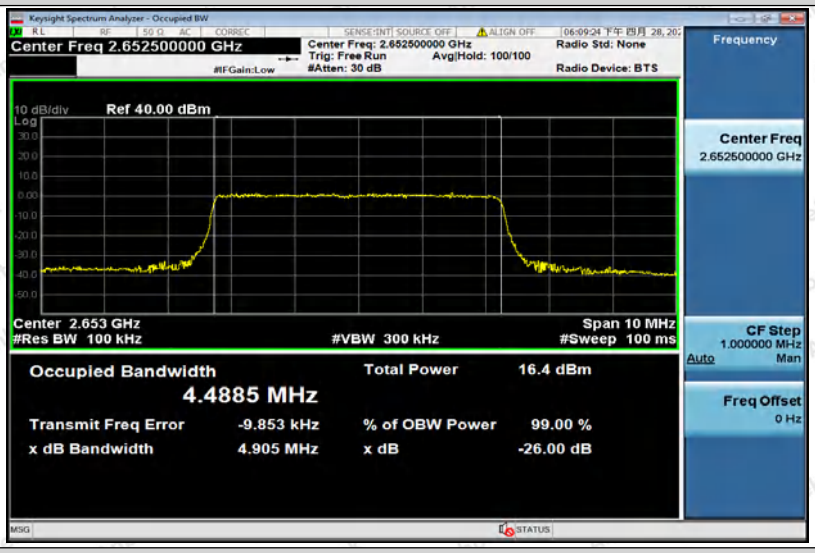
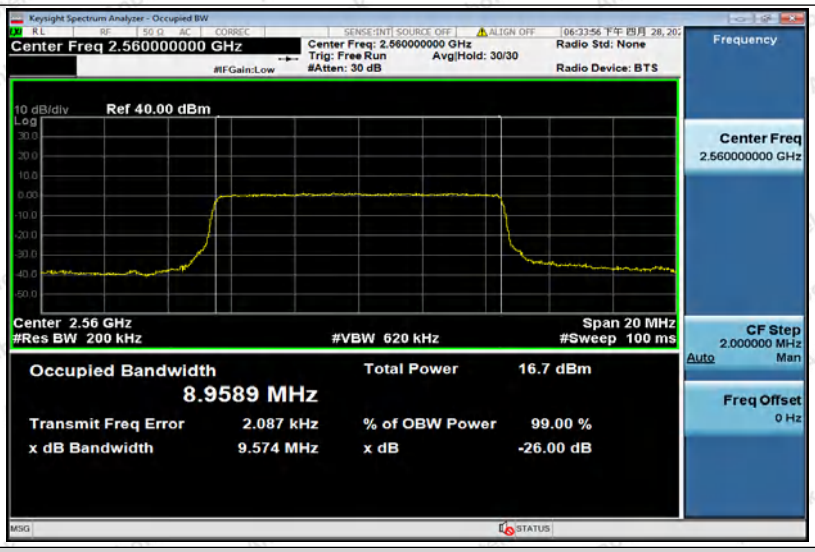
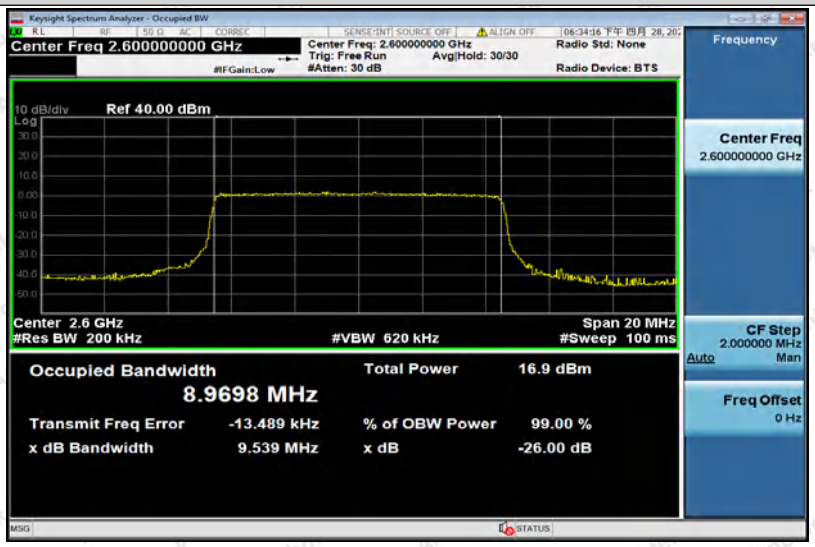


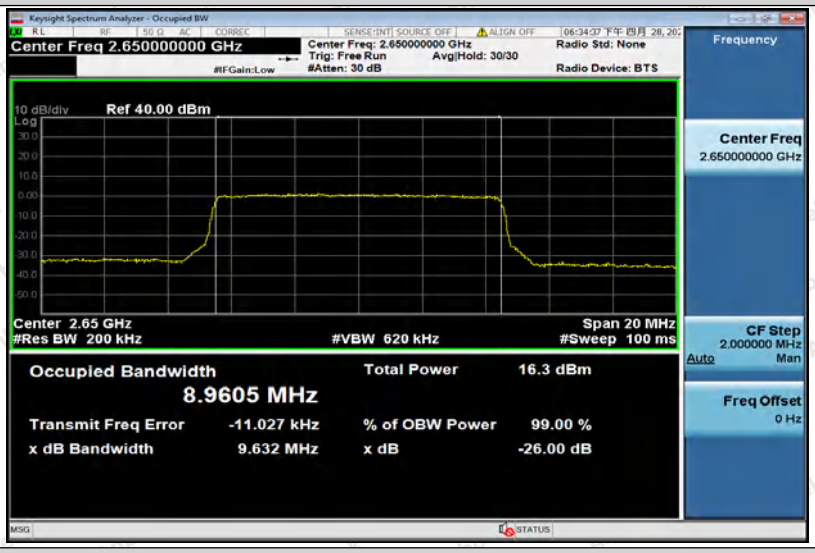
Band41-10MHz-QPSK-40290-50RB#0-8.9589



Band41-10MHz-QPSK-40690-50RB#0-8.9698



Band41-10MHz-QPSK-41190-50RB#0-8.9605



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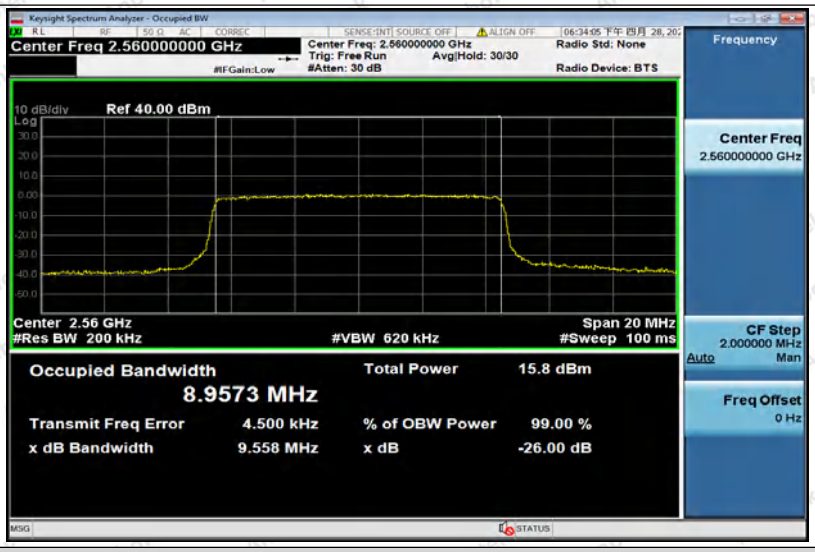
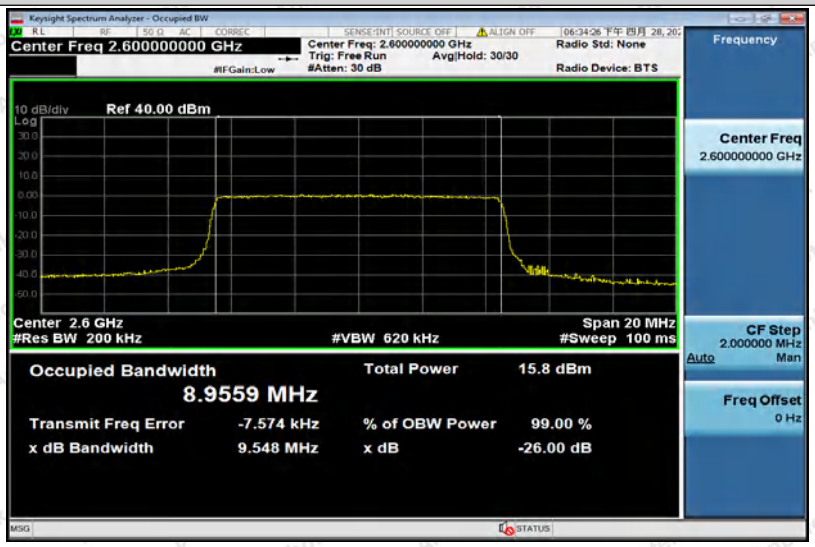
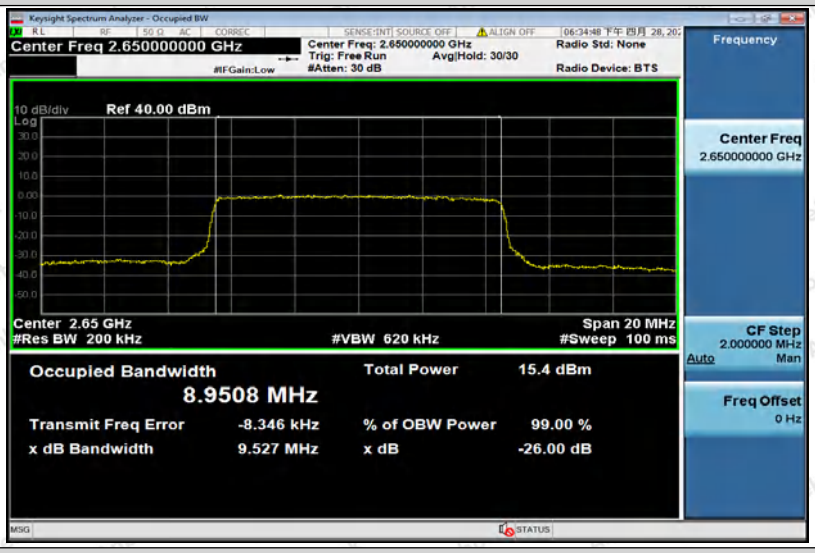


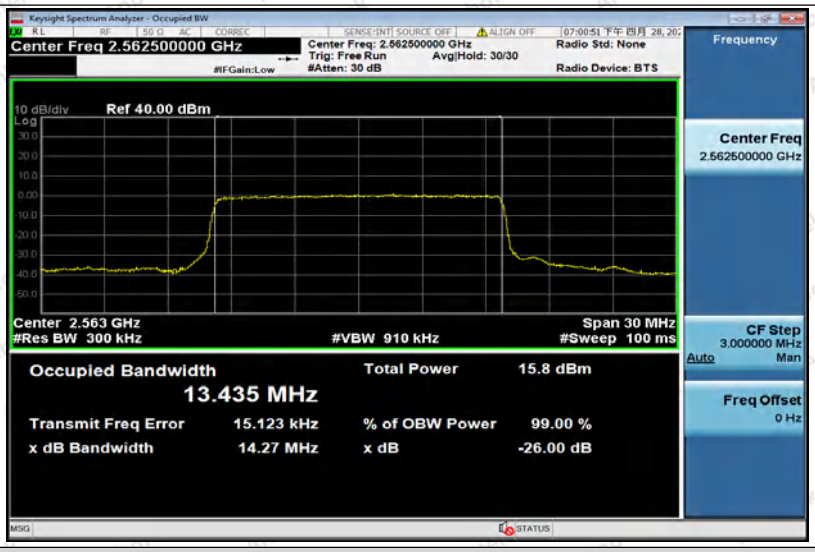
Band41-10MHz-16QAM-40690-50RB#0-8.9559



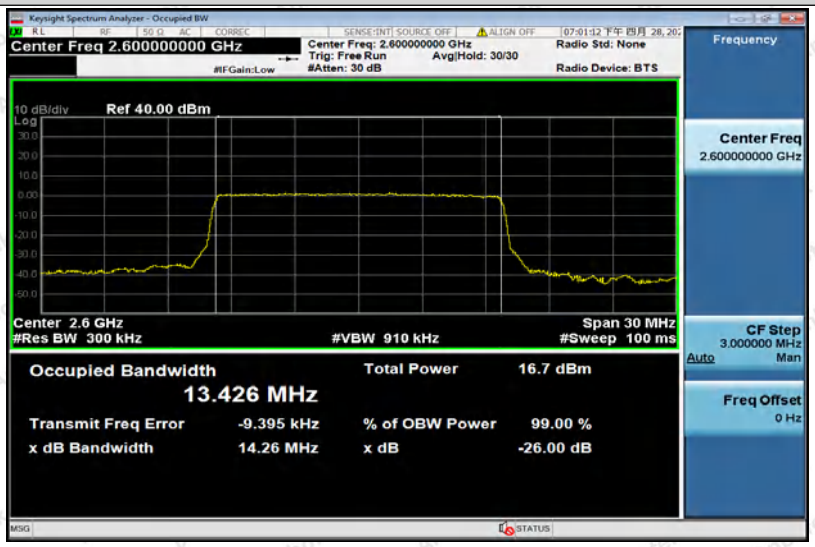
Band41-10MHz-16QAM-41190-50RB#0-8.9508



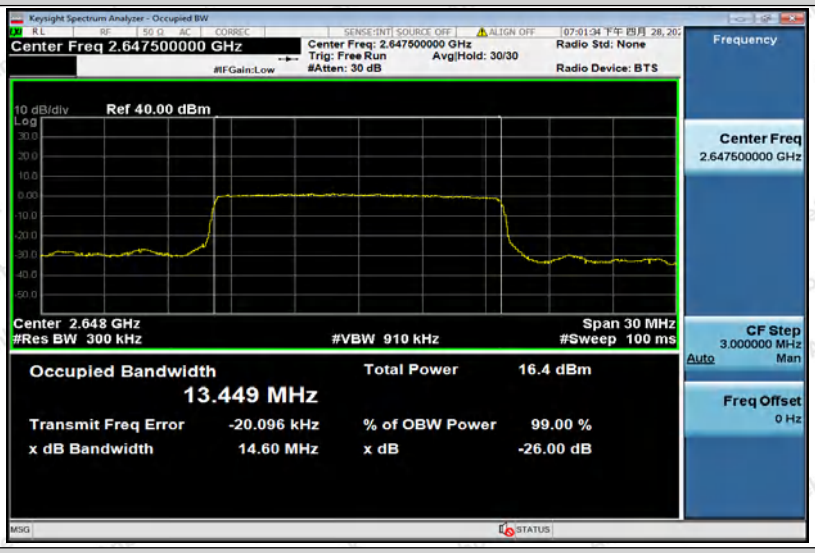
Band41-15MHz-QPSK-40315-75RB#0-13.435



Band41-15MHz-QPSK-40690-75RB#0-13.426



Band41-15MHz-QPSK-41165-75RB#0-13.449



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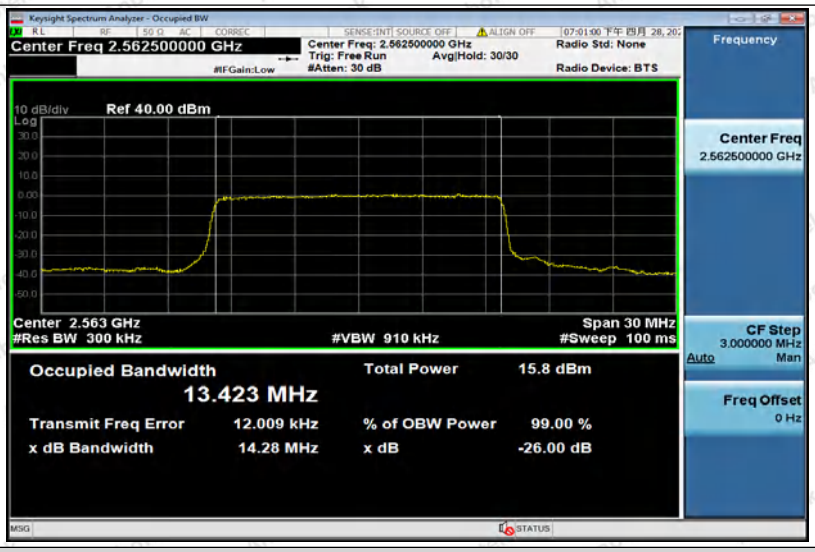
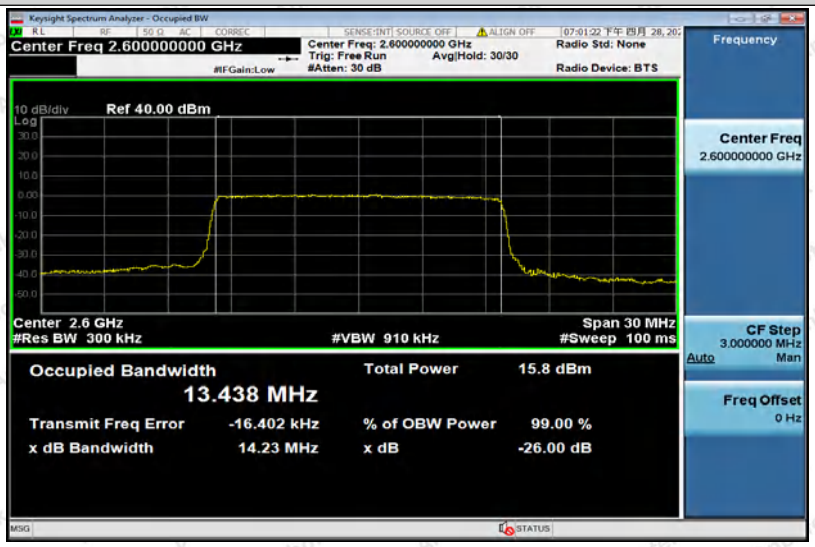
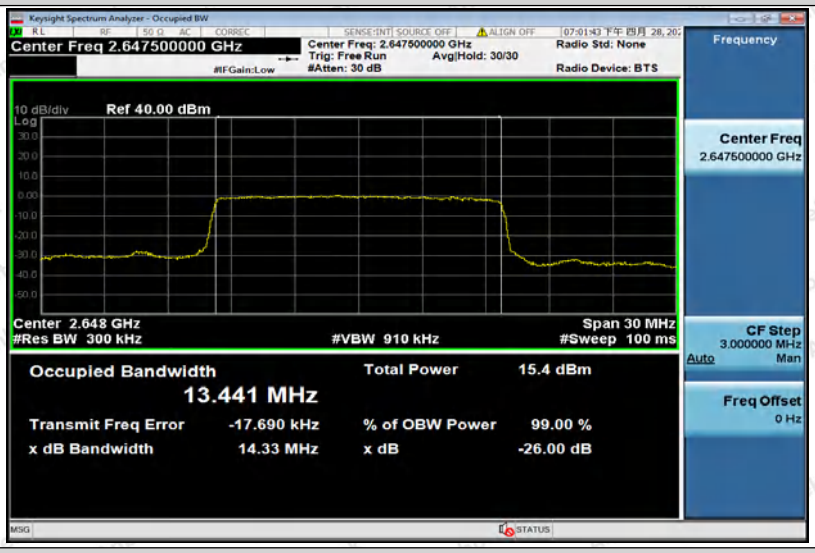


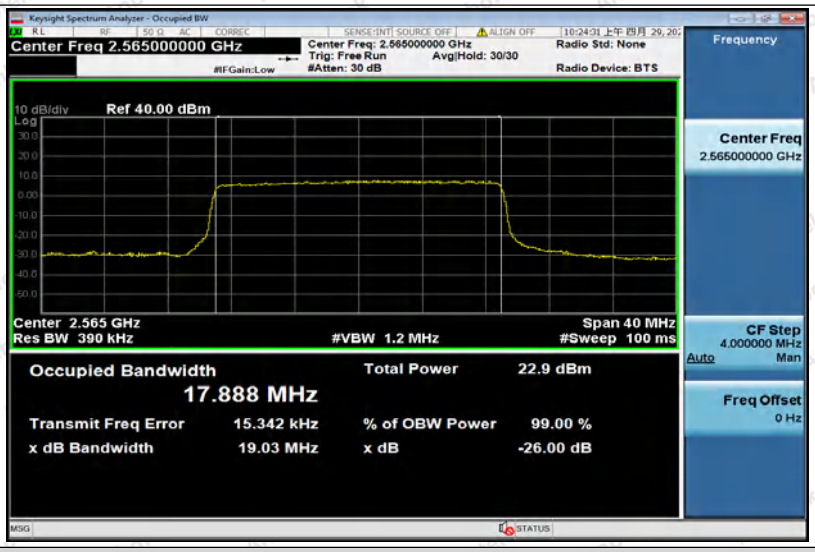
Band41-15MHz-16QAM-40690-75RB#0-13.438



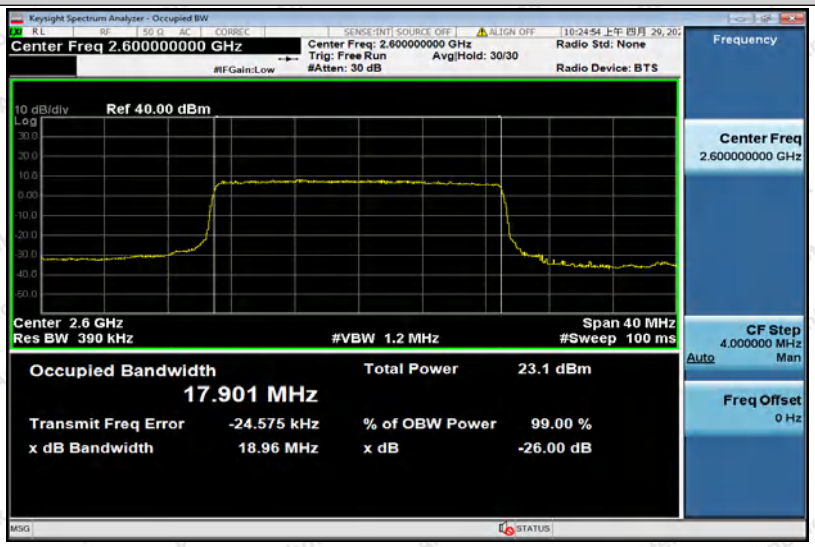
Band41-15MHz-16QAM-41165-75RB#0-13.441



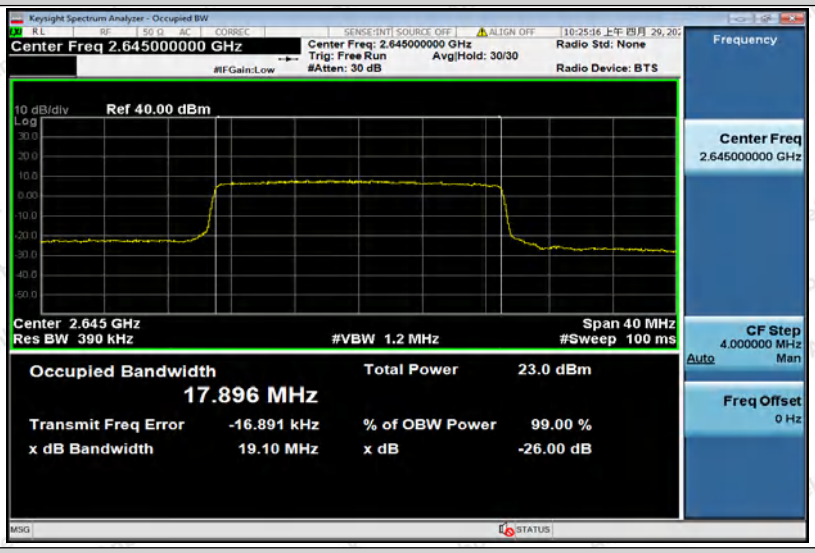
Band41-20MHz-QPSK-40340-100RB#0-17.888



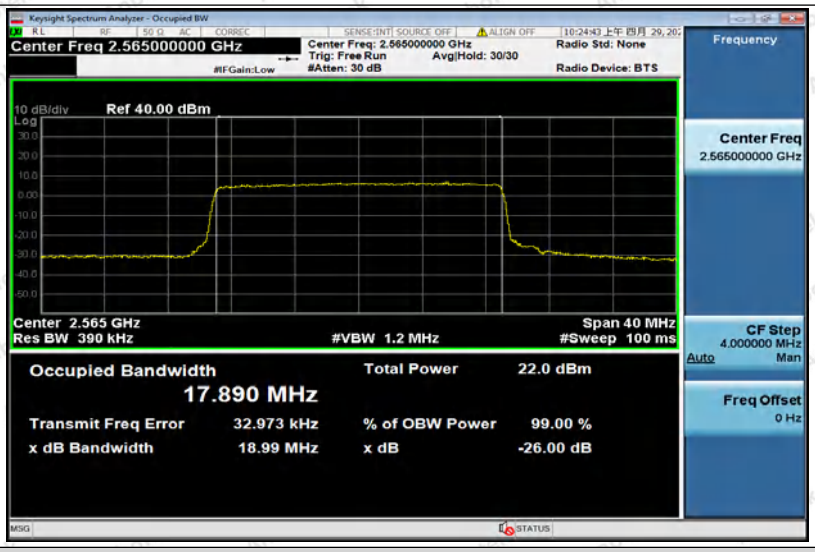
Band41-20MHz-QPSK-40690-100RB#0-17.901



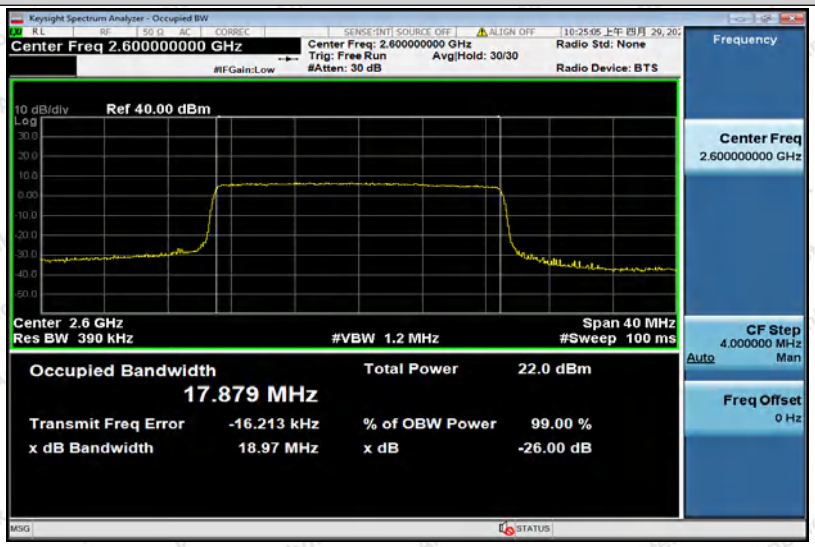
Band41-20MHz-QPSK-41140-100RB#0-17.896



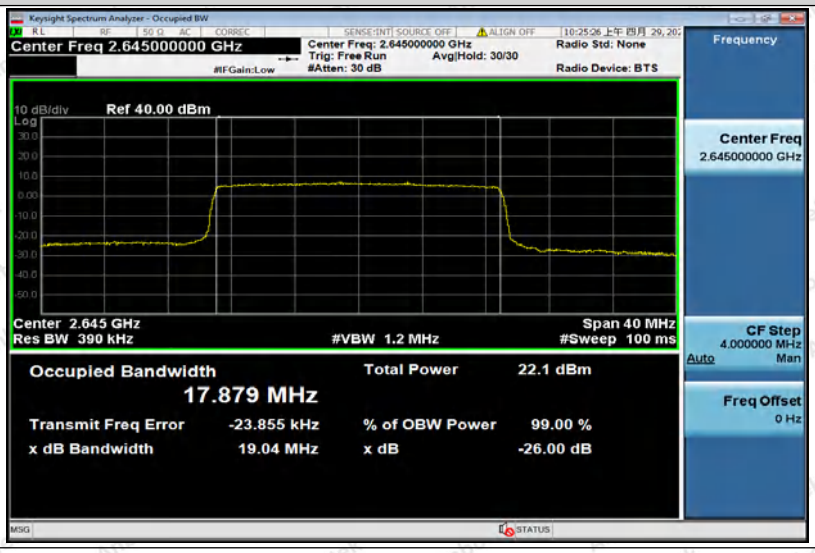
Band41-20MHz-16QAM-40340-100RB#0-17.890



Band41-20MHz-16QAM-40690-100RB#0-17.879



Band41-20MHz-16QAM-41140-100RB#0-17.879

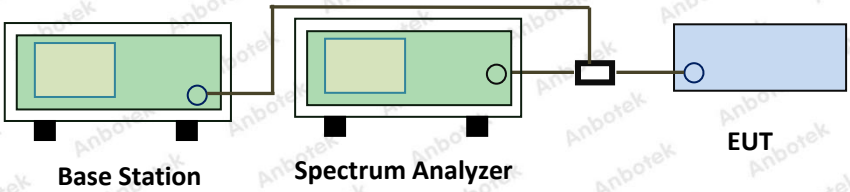


7. Spurious Emissions at Antenna Terminals

7.1. Test Standard and Limit

The mean power of emissions must be attenuated below the mean power of the unmodulated carrier (P) on any frequency outside the frequency band by at least (43 + 10 log P) dB, in this case, -13dBm.

7.2. Test Setup



7.3. Test Procedure

1. The RF output of the transceiver was connected to a spectrum analyzer through appropriateattenuation.
2. The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficientscans were taken to show the out of band Emissions if any up to 10th harmonic.
3. For the out of band: Set the RBW= 1MHz, VBW = 3MHz, Start=30MHz, Stop= 10th harmonic.

7.4. Test Data

Band	Channel	Frequency Range(Mhz)	Value(dBm)	Limit(dBm)	Verdict
GPRS850	128	0.009~0.15	-63.67	-33	PASS
GPRS850	128	0.15~30	-54.30	-13	PASS
GPRS850	128	30~1000	-37.76	-13	PASS
GPRS850	128	1000~5000	-41.13	-13	PASS
GPRS850	128	5000~12000	-47.46	-13	PASS
GPRS850	128	12000~18000	-52.59	-13	PASS
GPRS850	190	0.009~0.15	-63.16	-33	PASS
GPRS850	190	0.15~30	-53.60	-13	PASS
GPRS850	190	30~1000	-38.28	-13	PASS
GPRS850	190	1000~5000	-41.10	-13	PASS
GPRS850	190	5000~12000	-47.96	-13	PASS
GPRS850	190	12000~18000	-52.66	-13	PASS
GPRS850	251	0.009~0.15	-62.95	-33	PASS
GPRS850	251	0.15~30	-52.05	-13	PASS
GPRS850	251	30~1000	-38.60	-13	PASS
GPRS850	251	1000~5000	-37.26	-13	PASS
GPRS850	251	5000~12000	-45.74	-13	PASS
GPRS850	251	12000~18000	-52.39	-13	PASS
EGPRS850	128	0.009~0.15	-66.01	-33	PASS

EGPRS850	128	0.15~30	-54.00	-13	PASS
EGPRS850	128	30~1000	-37.56	-13	PASS
EGPRS850	128	1000~5000	-42.34	-13	PASS
EGPRS850	128	5000~12000	-57.32	-13	PASS
EGPRS850	128	12000~18000	-52.43	-13	PASS
EGPRS850	190	0.009~0.15	-65.53	-33	PASS
EGPRS850	190	0.15~30	-54.46	-13	PASS
EGPRS850	190	30~1000	-38.41	-13	PASS
EGPRS850	190	1000~5000	-42.34	-13	PASS
EGPRS850	190	5000~12000	-57.31	-13	PASS
EGPRS850	190	12000~18000	-52.54	-13	PASS
EGPRS850	251	0.009~0.15	-63.82	-33	PASS
EGPRS850	251	0.15~30	-54.27	-13	PASS
EGPRS850	251	30~1000	-37.98	-13	PASS
EGPRS850	251	1000~5000	-42.43	-13	PASS
EGPRS850	251	5000~12000	-57.12	-13	PASS
EGPRS850	251	12000~18000	-52.59	-13	PASS
GPRS1900	512	0.009~0.15	-73.84	-43	PASS
GPRS1900	512	0.15~30	-53.71	-23	PASS
GPRS1900	512	30~1000	-38.52	-13	PASS
GPRS1900	512	1000~5000	-42.26	-13	PASS
GPRS1900	512	5000~12000	-48.06	-13	PASS
GPRS1900	512	12000~26500	-46.23	-13	PASS
GPRS1900	661	0.009~0.15	-74.21	-43	PASS
GPRS1900	661	0.15~30	-54.09	-23	PASS
GPRS1900	661	30~1000	-38.34	-13	PASS
GPRS1900	661	1000~5000	-42.27	-13	PASS
GPRS1900	661	5000~12000	-48.95	-13	PASS
GPRS1900	661	12000~26500	-46.15	-13	PASS
GPRS1900	810	0.009~0.15	-73.98	-43	PASS
GPRS1900	810	0.15~30	-51.59	-23	PASS
GPRS1900	810	30~1000	-38.64	-13	PASS
GPRS1900	810	1000~5000	-42.41	-13	PASS
GPRS1900	810	5000~12000	-51.25	-13	PASS
GPRS1900	810	12000~26500	-46.06	-13	PASS
EGPRS1900	512	0.009~0.15	-70.61	-43	PASS
EGPRS1900	512	0.15~30	-53.35	-23	PASS
EGPRS1900	512	30~1000	-36.97	-13	PASS
EGPRS1900	512	1000~5000	-42.39	-13	PASS
EGPRS1900	512	5000~12000	-49.90	-13	PASS
EGPRS1900	512	12000~26500	-46.12	-13	PASS
EGPRS1900	661	0.009~0.15	-69.41	-43	PASS

EGPRS1900	661	0.15~30	-53.21	-23	PASS
EGPRS1900	661	30~1000	-37.26	-13	PASS
EGPRS1900	661	1000~5000	-42.38	-13	PASS
EGPRS1900	661	5000~12000	-46.16	-13	PASS
EGPRS1900	661	12000~26500	-46.18	-13	PASS
EGPRS1900	810	0.009~0.15	-71.22	-43	PASS
EGPRS1900	810	0.15~30	-53.67	-23	PASS
EGPRS1900	810	30~1000	-38.22	-13	PASS
EGPRS1900	810	1000~5000	-42.30	-13	PASS
EGPRS1900	810	5000~12000	-57.28	-13	PASS
EGPRS1900	810	12000~26500	-46.12	-13	PASS

Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	0.009~0.15	-75.01	-43	PASS
Band II	9262	0.15~30	-52.02	-23	PASS
Band II	9262	30~1000	-37.76	-13	PASS
Band II	9262	1000~3000	-42.86	-13	PASS
Band II	9262	3000~10000	-54.61	-13	PASS
Band II	9262	10000~20000	-52.09	-13	PASS
Band II	9400	0.009~0.15	-76.06	-43	PASS
Band II	9400	0.15~30	-52.83	-23	PASS
Band II	9400	30~1000	-38.23	-13	PASS
Band II	9400	1000~3000	-42.74	-13	PASS
Band II	9400	3000~10000	-56.63	-13	PASS
Band II	9400	10000~20000	-52.27	-13	PASS
Band II	9538	0.009~0.15	-76.57	-43	PASS
Band II	9538	0.15~30	-53.98	-23	PASS
Band II	9538	30~1000	-38.46	-13	PASS
Band II	9538	1000~3000	-42.85	-13	PASS
Band II	9538	3000~10000	-57.33	-13	PASS
Band II	9538	10000~20000	-52.13	-13	PASS
Band V	4132	0.009~0.15	-74.28	-43	PASS
Band V	4132	0.15~30	-53.66	-23	PASS
Band V	4132	30~1000	-38.32	-13	PASS
Band V	4132	1000~3000	-42.54	-13	PASS
Band V	4132	3000~10000	-58.27	-13	PASS
Band V	4132	10000~18000	-52.55	-13	PASS
Band V	4182	0.009~0.15	-74.26	-43	PASS
Band V	4182	0.15~30	-53.42	-23	PASS
Band V	4182	30~1000	-37.64	-13	PASS
Band V	4182	1000~3000	-42.56	-13	PASS
Band V	4182	3000~10000	-57.93	-13	PASS

Band V	4182	10000~18000	-52.59	-13	PASS
Band V	4233	0.009~0.15	-75.08	-43	PASS
Band V	4233	0.15~30	-54.13	-23	PASS
Band V	4233	30~1000	-38.17	-13	PASS
Band V	4233	1000~3000	-42.52	-13	PASS
Band V	4233	3000~10000	-58.25	-13	PASS
Band V	4233	10000~18000	-52.49	-13	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-38.82	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~5000MHz	-40.81	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range3:5000~12000MHz	-56.99	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range4:12000~26500MHz	-57.61	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-38.41	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~5000MHz	-40.83	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range3:5000~12000MHz	-57.13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range4:12000~26500MHz	-57.88	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-37.7	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~5000MHz	-40.7	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range3:5000~12000MHz	-57.06	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range4:12000~26500MHz	-57.82	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-37.98	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~5000MHz	-40.8	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range3:5000~12000MHz	-57.07	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range4:12000~26500MHz	-57.63	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-37.35	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~5000MHz	-40.78	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range3:5000~12000MHz	-57.05	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range4:12000~26500MHz	-57.97	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-37.15	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~5000MHz	-40.83	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range3:5000~12000MHz	-57.06	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range4:12000~26500MHz	-57.84	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:30~1000MHz	-38.67	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:1000~5000MHz	-40.84	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range3:5000~12000MHz	-57.02	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range4:12000~26500MHz	-57.82	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-37.38	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:1000~5000MHz	-40.84	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range3:5000~12000MHz	-57.13	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range4:12000~26500MHz	-57.79	PASS

Band5	3MHz	QPSK	20635	1RB#0	Range1:30~1000MHz	-37.91	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range2:1000~5000MHz	-40.75	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range3:5000~12000MHz	-57.07	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range4:12000~26500MHz	-57.86	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:30~1000MHz	-38.1	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:1000~5000MHz	-40.89	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range3:5000~12000MHz	-57.02	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range4:12000~26500MHz	-57.95	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-38.24	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:1000~5000MHz	-40.9	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range3:5000~12000MHz	-57.01	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range4:12000~26500MHz	-57.68	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:30~1000MHz	-37.88	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:1000~5000MHz	-40.75	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range3:5000~12000MHz	-57.07	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range4:12000~26500MHz	-57.89	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:30~1000MHz	-38.02	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:1000~5000MHz	-40.85	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range3:5000~12000MHz	-56.85	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range4:12000~26500MHz	-57.93	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-38.08	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:1000~5000MHz	-40.8	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range3:5000~12000MHz	-57.09	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range4:12000~26500MHz	-57.82	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:30~1000MHz	-37.23	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:1000~5000MHz	-40.85	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range3:5000~12000MHz	-57.02	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range4:12000~26500MHz	-57.75	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:30~1000MHz	-37.85	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:1000~5000MHz	-40.87	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range3:5000~12000MHz	-57.1	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range4:12000~26500MHz	-57.82	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-37.74	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:1000~5000MHz	-40.74	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range3:5000~12000MHz	-56.94	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range4:12000~26500MHz	-57.63	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:30~1000MHz	-37.9	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range2:1000~5000MHz	-40.86	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range3:5000~12000MHz	-57.02	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range4:12000~26500MHz	-57.92	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-38.39	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~5000MHz	-40.57	PASS

Band5	10MHz	QPSK	20450	1RB#0	Range3:5000~12000MHz	-56.96	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range4:12000~26500MHz	-57.77	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-38.07	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~5000MHz	-40.84	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range3:5000~12000MHz	-56.85	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range4:12000~26500MHz	-57.76	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-38.26	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~5000MHz	-40.64	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range3:5000~12000MHz	-56.89	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range4:12000~26500MHz	-57.95	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-37.37	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~5000MHz	-40.91	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range3:5000~12000MHz	-56.96	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range4:12000~26500MHz	-57.79	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-37.98	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~5000MHz	-40.69	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range3:5000~12000MHz	-56.96	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range4:12000~26500MHz	-57.72	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-38.49	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~5000MHz	-40.78	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range3:5000~12000MHz	-56.98	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range4:12000~26500MHz	-57.57	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-37.09	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~5000MHz	-40.81	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range3:5000~12000MHz	-50.38	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range4:12000~26500MHz	-57.79	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-36.97	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~5000MHz	-40.8	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range3:5000~12000MHz	-51.23	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range4:12000~26500MHz	-57.81	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-37.54	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~5000MHz	-40.92	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range3:5000~12000MHz	-49.76	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range4:12000~26500MHz	-57.81	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-37.73	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~5000MHz	-40.76	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range3:5000~12000MHz	-51.13	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range4:12000~26500MHz	-57.73	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-37.33	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~5000MHz	-40.85	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range3:5000~12000MHz	-52.04	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range4:12000~26500MHz	-57.88	PASS

Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-37.53	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~5000MHz	-40.78	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range3:5000~12000MHz	-50.4	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range4:12000~26500MHz	-57.77	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range1:30~1000MHz	-37.34	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range2:1000~5000MHz	-40.89	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range3:5000~12000MHz	-51.27	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range4:12000~26500MHz	-57.82	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-37.03	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range2:1000~5000MHz	-40.77	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range3:5000~12000MHz	-51.93	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range4:12000~26500MHz	-57.85	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range1:30~1000MHz	-37.19	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range2:1000~5000MHz	-40.94	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range3:5000~12000MHz	-51.36	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range4:12000~26500MHz	-57.87	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range1:30~1000MHz	-36.6	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range2:1000~5000MHz	-40.92	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range3:5000~12000MHz	-51.72	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range4:12000~26500MHz	-57.92	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-37.82	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range2:1000~5000MHz	-40.84	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range3:5000~12000MHz	-52.66	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range4:12000~26500MHz	-57.78	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range1:30~1000MHz	-37.42	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range2:1000~5000MHz	-40.91	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range3:5000~12000MHz	-51.9	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range4:12000~26500MHz	-57.88	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range1:30~1000MHz	-37.07	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range2:1000~5000MHz	-40.83	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range3:5000~12000MHz	-51.06	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range4:12000~26500MHz	-57.83	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-37.5	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range2:1000~5000MHz	-40.64	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range3:5000~12000MHz	-52.92	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range4:12000~26500MHz	-57.48	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range1:30~1000MHz	-37.65	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range2:1000~5000MHz	-40.9	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range3:5000~12000MHz	-52.8	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range4:12000~26500MHz	-57.87	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range1:30~1000MHz	-37.54	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range2:1000~5000MHz	-40.85	PASS

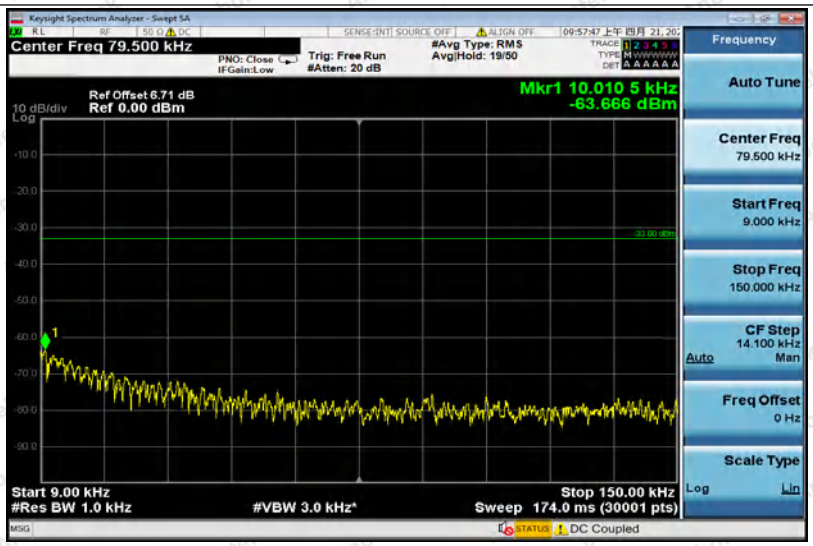
Band7	15MHz	16QAM	20825	1RB#0	Range3:5000~12000MHz	-51.66	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range4:12000~26500MHz	-57.86	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-37.56	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range2:1000~5000MHz	-40.97	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range3:5000~12000MHz	-53.12	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range4:12000~26500MHz	-57.63	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range1:30~1000MHz	-37.47	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range2:1000~5000MHz	-40.87	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range3:5000~12000MHz	-53.38	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range4:12000~26500MHz	-57.87	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-37.5	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~5000MHz	-40.87	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range3:5000~12000MHz	-51.48	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range4:12000~26500MHz	-57.96	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-36.74	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~5000MHz	-40.89	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range3:5000~12000MHz	-52.69	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range4:12000~26500MHz	-57.79	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-36.94	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~5000MHz	-32.89	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range3:5000~12000MHz	-53.56	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range4:12000~26500MHz	-57.62	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-37.19	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~5000MHz	-40.76	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range3:5000~12000MHz	-51.96	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range4:12000~26500MHz	-57.75	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-37.6	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~5000MHz	-40.1	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range3:5000~12000MHz	-52.6	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range4:12000~26500MHz	-57.68	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-36.04	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~5000MHz	-40.86	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range3:5000~12000MHz	-54	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range4:12000~26500MHz	-57.92	PASS
Band41	5MHz	QPSK	40265	1RB#0	Range1:30~1000MHz	-37.09	PASS
Band41	5MHz	QPSK	40265	1RB#0	Range2:1000~5000MHz	-40.47	PASS
Band41	5MHz	QPSK	40265	1RB#0	Range3:5000~12000MHz	-49.7	PASS
Band41	5MHz	QPSK	40265	1RB#0	Range4:12000~26500MHz	-57.79	PASS
Band41	5MHz	QPSK	40690	1RB#0	Range1:30~1000MHz	-37.46	PASS
Band41	5MHz	QPSK	40690	1RB#0	Range2:1000~5000MHz	-40.91	PASS
Band41	5MHz	QPSK	40690	1RB#0	Range3:5000~12000MHz	-52.34	PASS
Band41	5MHz	QPSK	40690	1RB#0	Range4:12000~26500MHz	-57.86	PASS

Band41	5MHz	QPSK	41215	1RB#0	Range1:30~1000MHz	-37.81	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range2:1000~5000MHz	-40.87	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range3:5000~12000MHz	-56.45	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range4:12000~26500MHz	-57.98	PASS
Band41	5MHz	16QAM	40265	1RB#0	Range1:30~1000MHz	-36.67	PASS
Band41	5MHz	16QAM	40265	1RB#0	Range2:1000~5000MHz	-40.86	PASS
Band41	5MHz	16QAM	40265	1RB#0	Range3:5000~12000MHz	-50.71	PASS
Band41	5MHz	16QAM	40265	1RB#0	Range4:12000~26500MHz	-57.46	PASS
Band41	5MHz	16QAM	40690	1RB#0	Range1:30~1000MHz	-37.74	PASS
Band41	5MHz	16QAM	40690	1RB#0	Range2:1000~5000MHz	-40.86	PASS
Band41	5MHz	16QAM	40690	1RB#0	Range3:5000~12000MHz	-55.2	PASS
Band41	5MHz	16QAM	40690	1RB#0	Range4:12000~26500MHz	-57.73	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range1:30~1000MHz	-37.5	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range2:1000~5000MHz	-40.72	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range3:5000~12000MHz	-56.15	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range4:12000~26500MHz	-57.75	PASS
Band41	10MHz	QPSK	40290	1RB#0	Range1:30~1000MHz	-36.55	PASS
Band41	10MHz	QPSK	40290	1RB#0	Range2:1000~5000MHz	-40.79	PASS
Band41	10MHz	QPSK	40290	1RB#0	Range3:5000~12000MHz	-50.06	PASS
Band41	10MHz	QPSK	40290	1RB#0	Range4:12000~26500MHz	-57.89	PASS
Band41	10MHz	QPSK	40690	1RB#0	Range1:30~1000MHz	-37.66	PASS
Band41	10MHz	QPSK	40690	1RB#0	Range2:1000~5000MHz	-40.75	PASS
Band41	10MHz	QPSK	40690	1RB#0	Range3:5000~12000MHz	-52.24	PASS
Band41	10MHz	QPSK	40690	1RB#0	Range4:12000~26500MHz	-57.72	PASS
Band41	10MHz	QPSK	41190	1RB#0	Range1:30~1000MHz	-36.85	PASS
Band41	10MHz	QPSK	41190	1RB#0	Range2:1000~5000MHz	-40.95	PASS
Band41	10MHz	QPSK	41190	1RB#0	Range3:5000~12000MHz	-55.97	PASS
Band41	10MHz	QPSK	41190	1RB#0	Range4:12000~26500MHz	-57.93	PASS
Band41	10MHz	16QAM	40290	1RB#0	Range1:30~1000MHz	-37.8	PASS
Band41	10MHz	16QAM	40290	1RB#0	Range2:1000~5000MHz	-40.81	PASS
Band41	10MHz	16QAM	40290	1RB#0	Range3:5000~12000MHz	-51	PASS
Band41	10MHz	16QAM	40290	1RB#0	Range4:12000~26500MHz	-57.79	PASS
Band41	10MHz	16QAM	40690	1RB#0	Range1:30~1000MHz	-36.57	PASS
Band41	10MHz	16QAM	40690	1RB#0	Range2:1000~5000MHz	-40.76	PASS
Band41	10MHz	16QAM	40690	1RB#0	Range3:5000~12000MHz	-52.89	PASS
Band41	10MHz	16QAM	40690	1RB#0	Range4:12000~26500MHz	-57.78	PASS
Band41	10MHz	16QAM	41190	1RB#0	Range1:30~1000MHz	-36.98	PASS
Band41	10MHz	16QAM	41190	1RB#0	Range2:1000~5000MHz	-40.84	PASS
Band41	10MHz	16QAM	41190	1RB#0	Range3:5000~12000MHz	-56.77	PASS
Band41	10MHz	16QAM	41190	1RB#0	Range4:12000~26500MHz	-57.76	PASS
Band41	15MHz	QPSK	40315	1RB#0	Range1:30~1000MHz	-37.32	PASS
Band41	15MHz	QPSK	40315	1RB#0	Range2:1000~5000MHz	-41.38	PASS

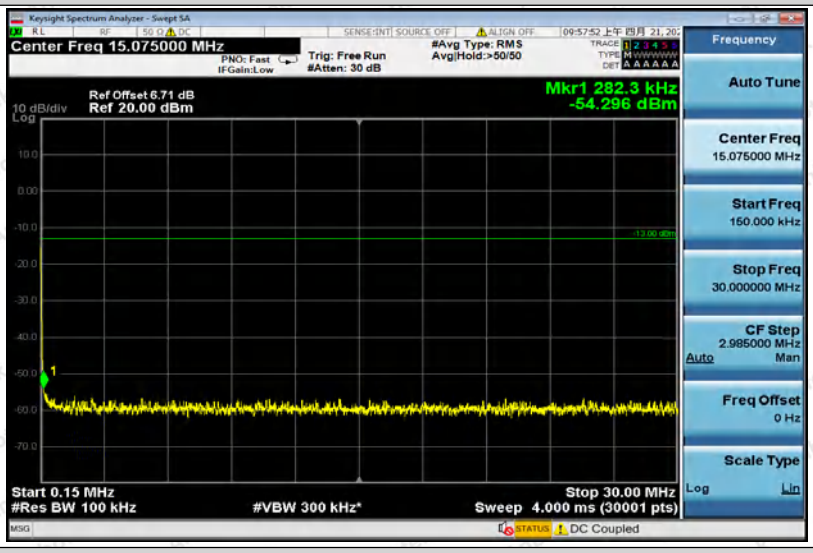
Band41	15MHz	QPSK	40315	1RB#0	Range3:5000~12000MHz	-43.65	PASS
Band41	15MHz	QPSK	40315	1RB#0	Range4:12000~26500MHz	-58	PASS
Band41	15MHz	QPSK	40690	1RB#0	Range1:30~1000MHz	-37.94	PASS
Band41	15MHz	QPSK	40690	1RB#0	Range2:1000~5000MHz	-41.2	PASS
Band41	15MHz	QPSK	40690	1RB#0	Range3:5000~12000MHz	-45.12	PASS
Band41	15MHz	QPSK	40690	1RB#0	Range4:12000~26500MHz	-57.9	PASS
Band41	15MHz	QPSK	41165	1RB#0	Range1:30~1000MHz	-37.15	PASS
Band41	15MHz	QPSK	41165	1RB#0	Range2:1000~5000MHz	-41.11	PASS
Band41	15MHz	QPSK	41165	1RB#0	Range3:5000~12000MHz	-56.41	PASS
Band41	15MHz	QPSK	41165	1RB#0	Range4:12000~26500MHz	-58	PASS
Band41	15MHz	16QAM	40315	1RB#0	Range1:30~1000MHz	-37.4	PASS
Band41	15MHz	16QAM	40315	1RB#0	Range2:1000~5000MHz	-36.15	PASS
Band41	15MHz	16QAM	40315	1RB#0	Range3:5000~12000MHz	-44.36	PASS
Band41	15MHz	16QAM	40315	1RB#0	Range4:12000~26500MHz	-58.05	PASS
Band41	15MHz	16QAM	40690	1RB#0	Range1:30~1000MHz	-37.6	PASS
Band41	15MHz	16QAM	40690	1RB#0	Range2:1000~5000MHz	-40.39	PASS
Band41	15MHz	16QAM	40690	1RB#0	Range3:5000~12000MHz	-45.28	PASS
Band41	15MHz	16QAM	40690	1RB#0	Range4:12000~26500MHz	-58.13	PASS
Band41	15MHz	16QAM	41165	1RB#0	Range1:30~1000MHz	-37.6	PASS
Band41	15MHz	16QAM	41165	1RB#0	Range2:1000~5000MHz	-41.2	PASS
Band41	15MHz	16QAM	41165	1RB#0	Range3:5000~12000MHz	-52.1	PASS
Band41	15MHz	16QAM	41165	1RB#0	Range4:12000~26500MHz	-57.87	PASS
Band41	20MHz	QPSK	40340	1RB#0	Range1:30~1000MHz	-37.28	PASS
Band41	20MHz	QPSK	40340	1RB#0	Range2:1000~5000MHz	-40.65	PASS
Band41	20MHz	QPSK	40340	1RB#0	Range3:5000~12000MHz	-44.19	PASS
Band41	20MHz	QPSK	40340	1RB#0	Range4:12000~26500MHz	-57.96	PASS
Band41	20MHz	QPSK	40690	1RB#0	Range1:30~1000MHz	-37.63	PASS
Band41	20MHz	QPSK	40690	1RB#0	Range2:1000~5000MHz	-40.88	PASS
Band41	20MHz	QPSK	40690	1RB#0	Range3:5000~12000MHz	-45.52	PASS
Band41	20MHz	QPSK	40690	1RB#0	Range4:12000~26500MHz	-57.74	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range1:30~1000MHz	-37.02	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range2:1000~5000MHz	-40.95	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range3:5000~12000MHz	-51.99	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range4:12000~26500MHz	-57.8	PASS
Band41	20MHz	16QAM	40340	1RB#0	Range1:30~1000MHz	-37.66	PASS
Band41	20MHz	16QAM	40340	1RB#0	Range2:1000~5000MHz	-40.72	PASS
Band41	20MHz	16QAM	40340	1RB#0	Range3:5000~12000MHz	-44.63	PASS
Band41	20MHz	16QAM	40340	1RB#0	Range4:12000~26500MHz	-57.72	PASS
Band41	20MHz	16QAM	40690	1RB#0	Range1:30~1000MHz	-37.62	PASS
Band41	20MHz	16QAM	40690	1RB#0	Range2:1000~5000MHz	-40.84	PASS
Band41	20MHz	16QAM	40690	1RB#0	Range3:5000~12000MHz	-46.14	PASS
Band41	20MHz	16QAM	40690	1RB#0	Range4:12000~26500MHz	-57.89	PASS

Band41	20MHz	16QAM	41140	1RB#0	Range1:30~1000MHz	-37.64	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range2:1000~5000MHz	-40.9	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range3:5000~12000MHz	-52.91	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range4:12000~26500MHz	-58.03	PASS

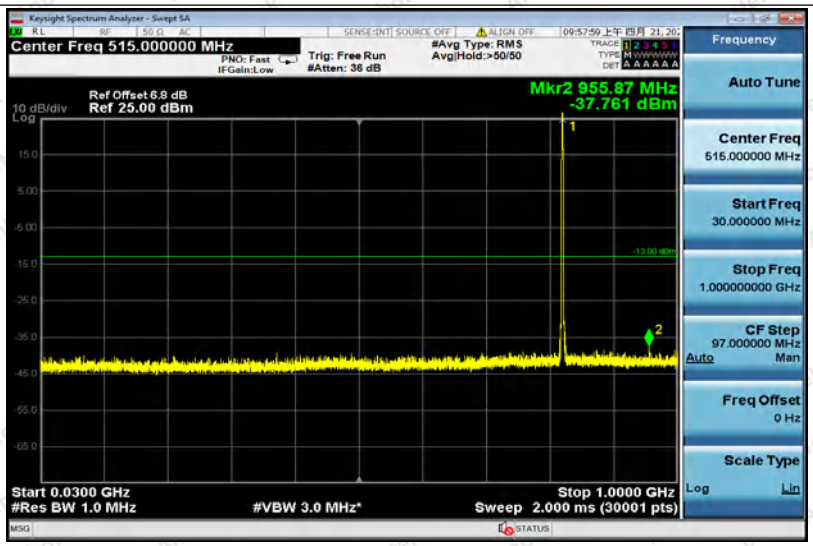
Test Graphs



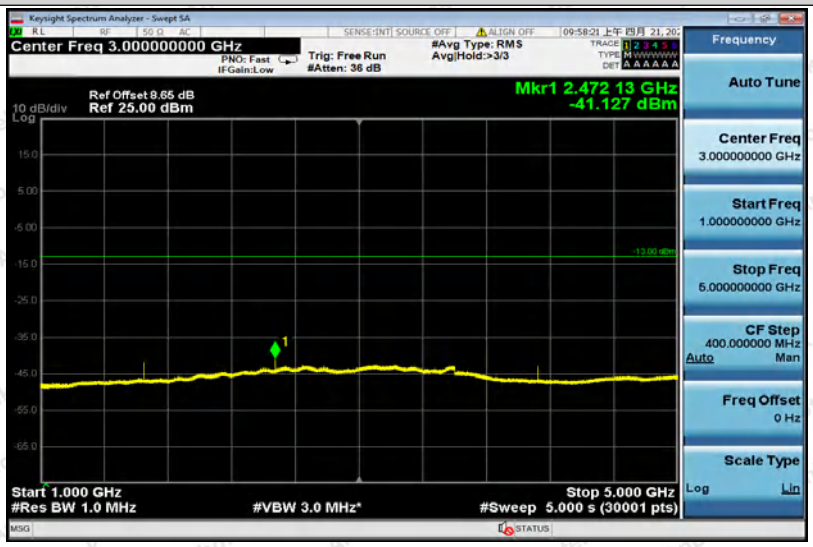
GPRS850-128-0.009~0.15



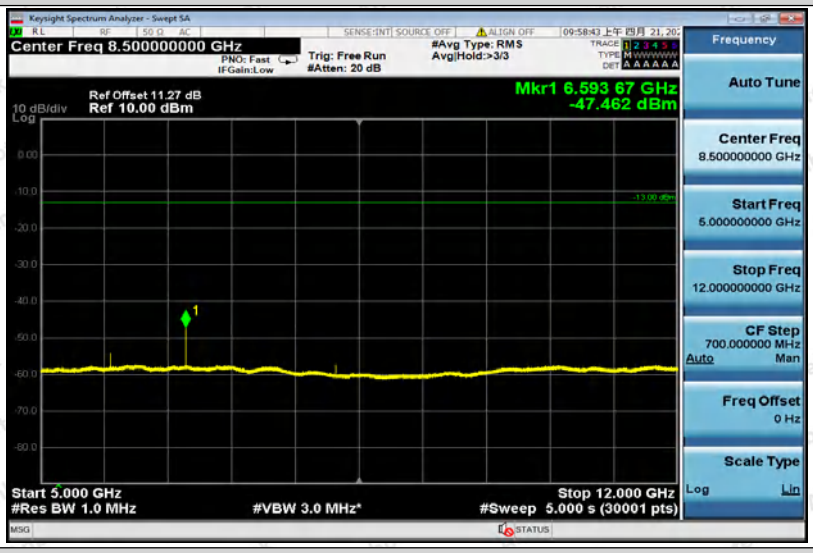
GPRS850-128-0.15~30



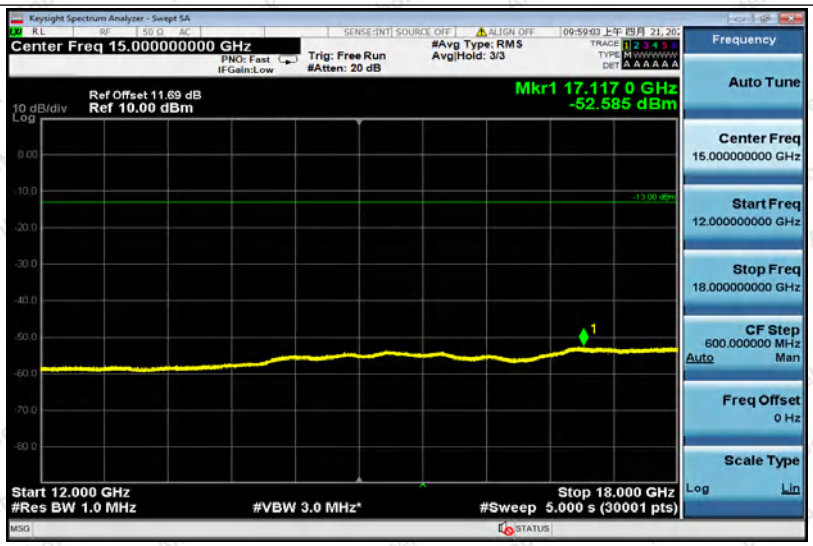
GPRS850-128-30~1000



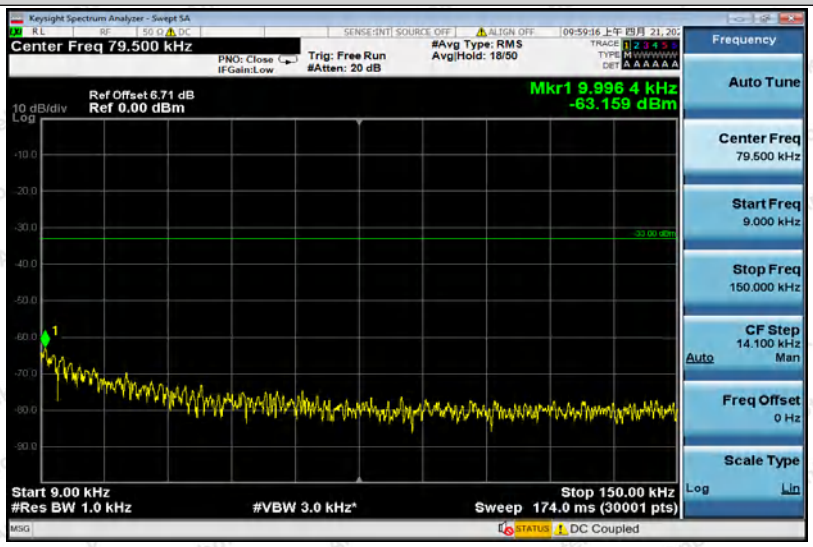
GPRS850-128-1000~5000



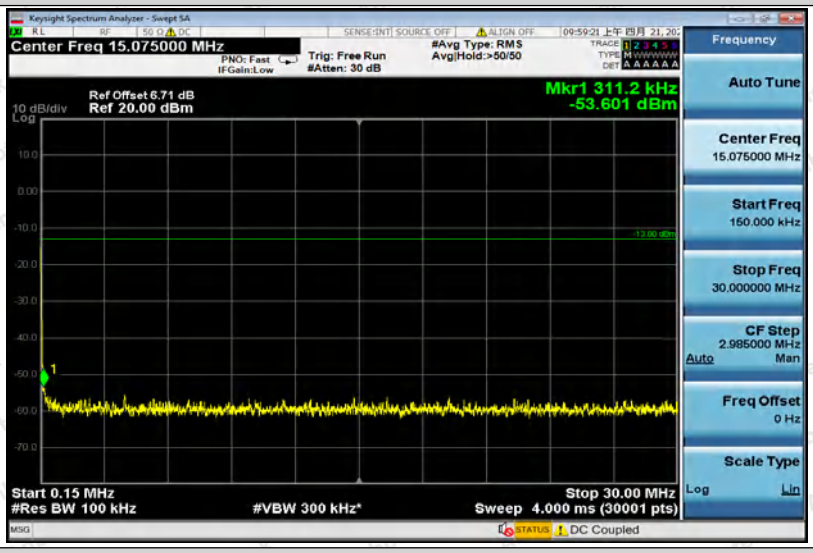
GPRS850-128-5000~12000



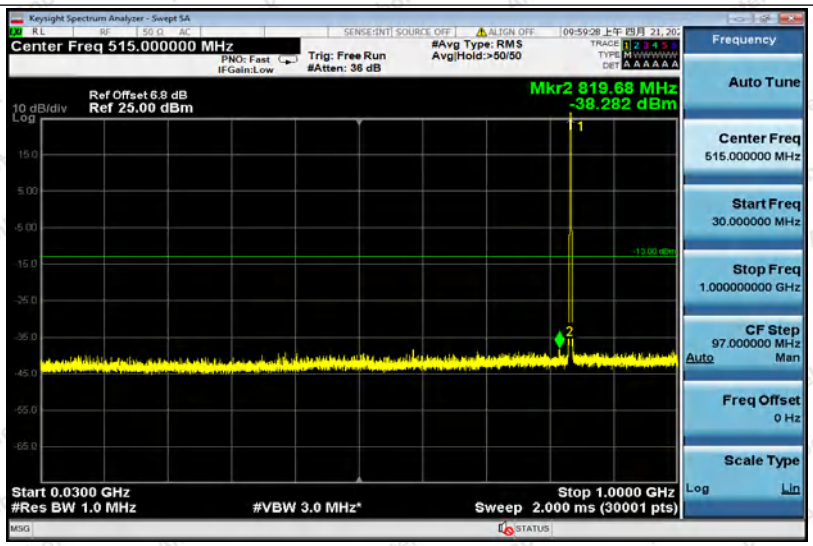
GPRS850-128-12000~18000



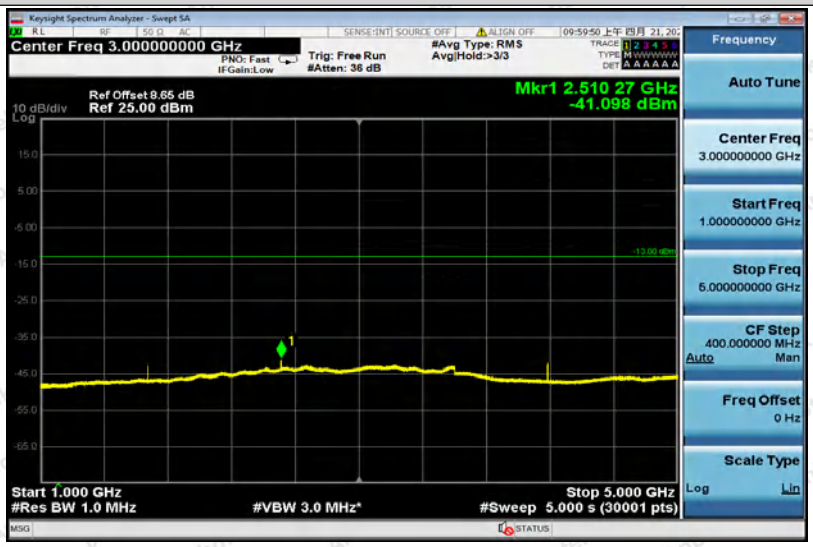
GPRS850-190-0.009~0.15



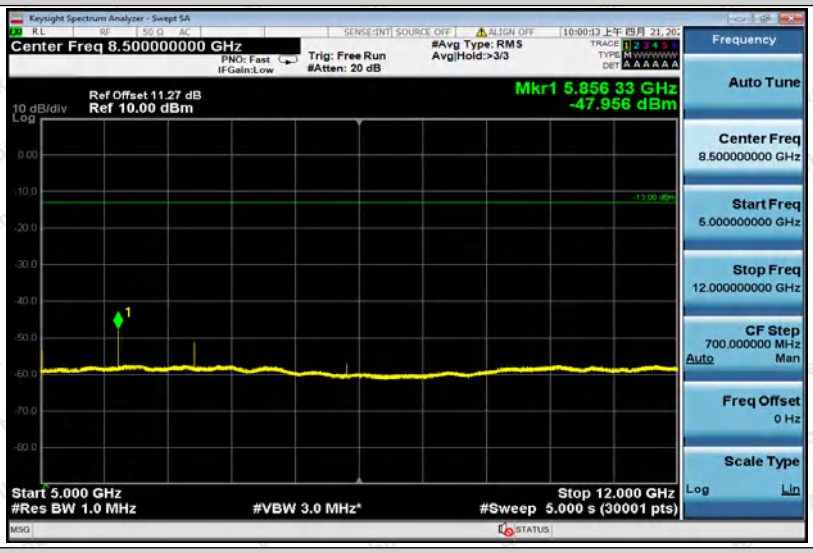
GPRS850-190-0.15~30



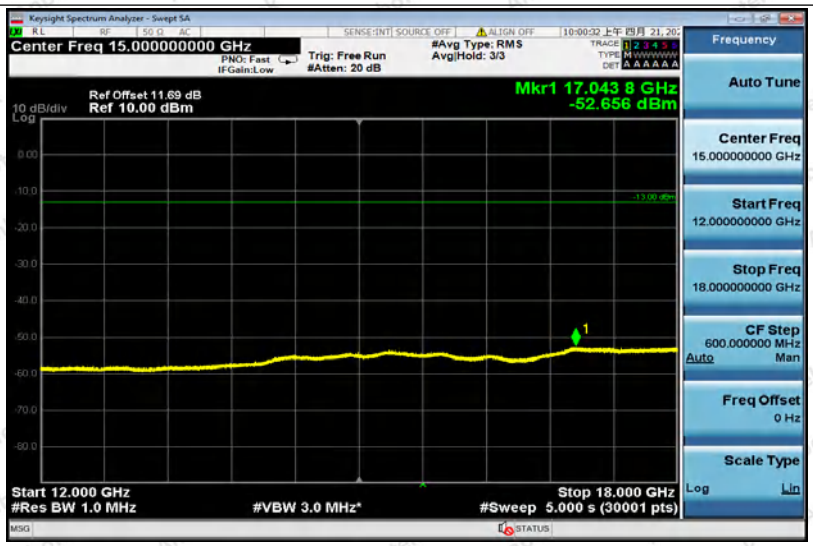
GPRS850-190-30~1000



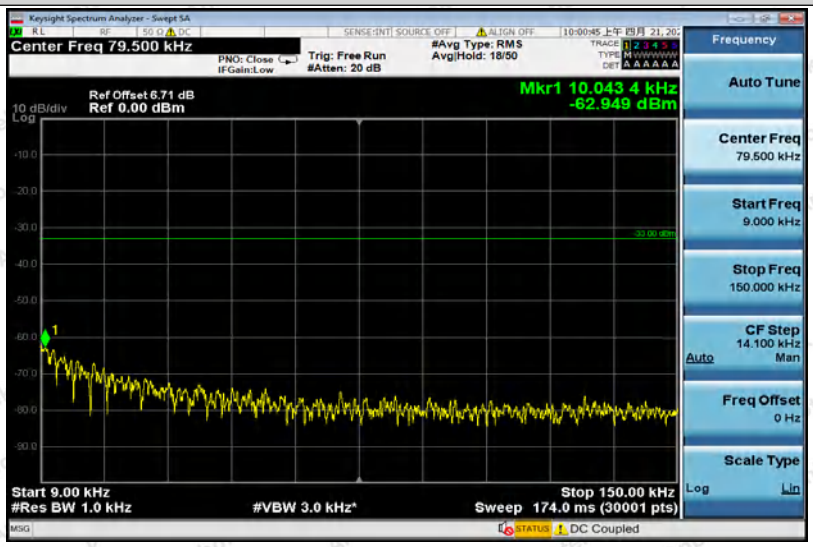
GPRS850-190-1000~5000



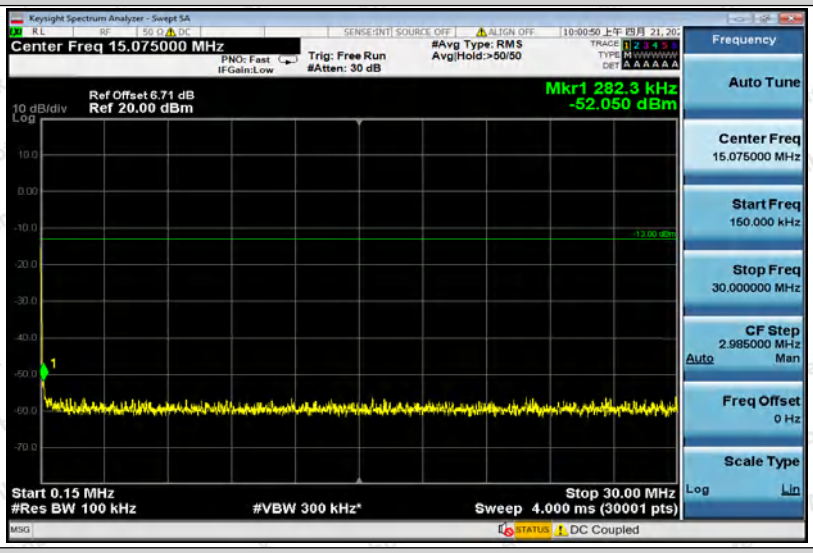
GPRS850-190-5000~12000



GPRS850-190-12000~18000



GPRS850-251-0.009~0.15



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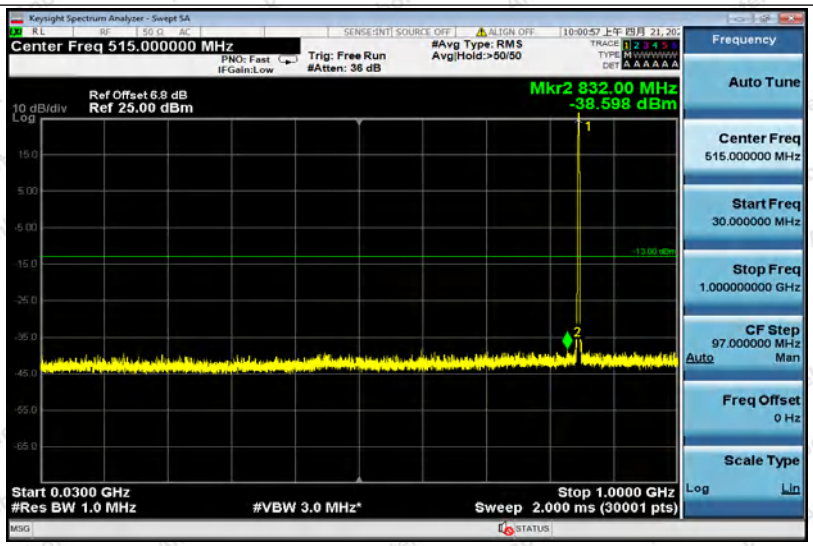
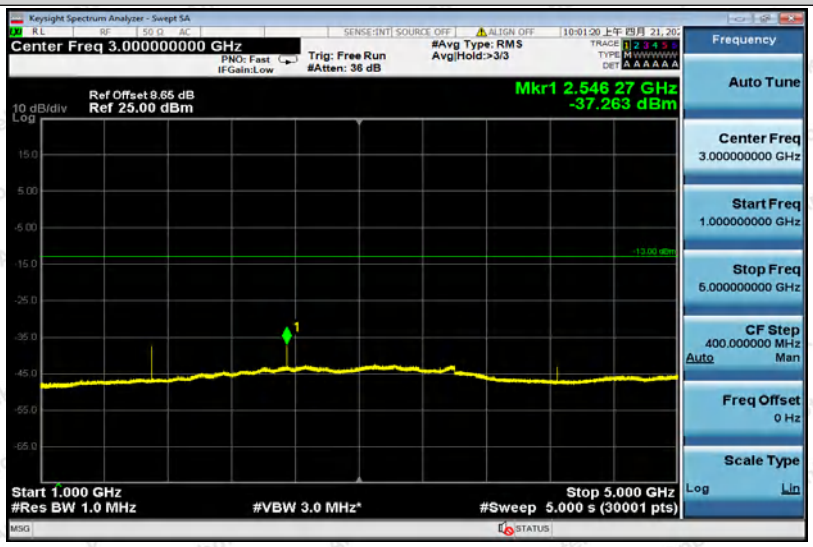
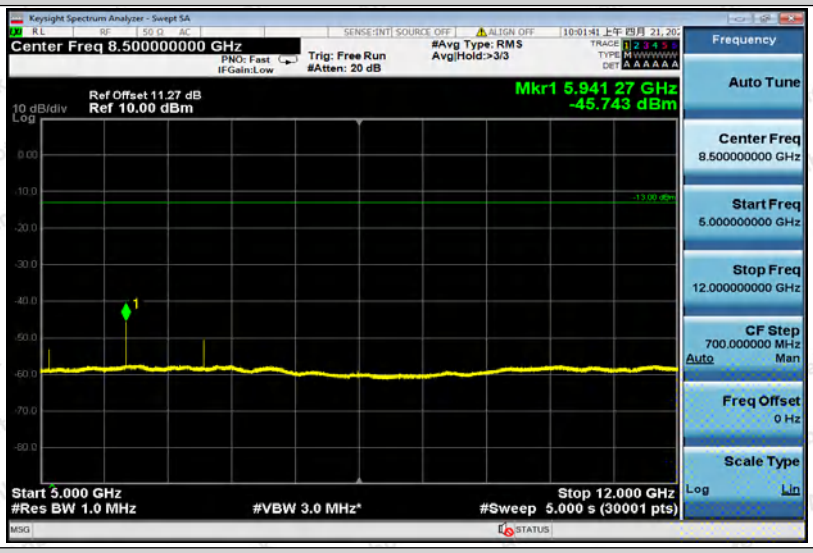


GPRS850-251-30~1000



GPRS850-251-1000~5000



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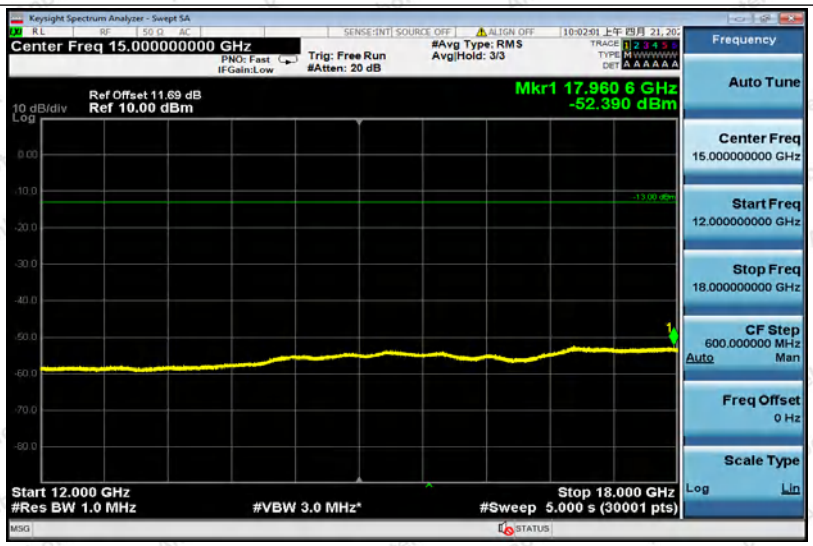

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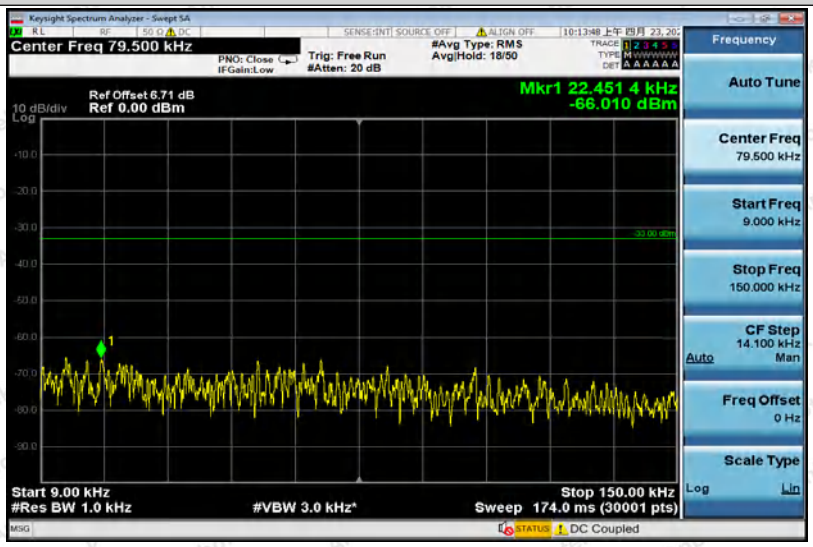

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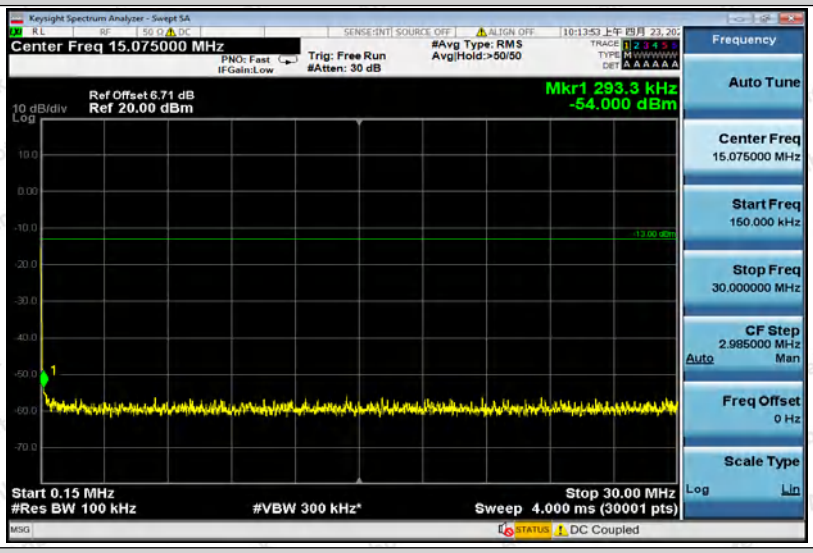
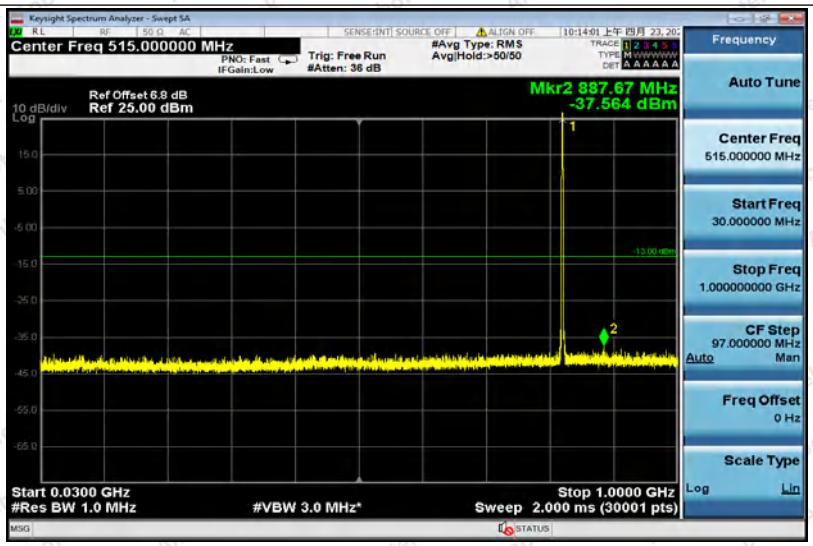
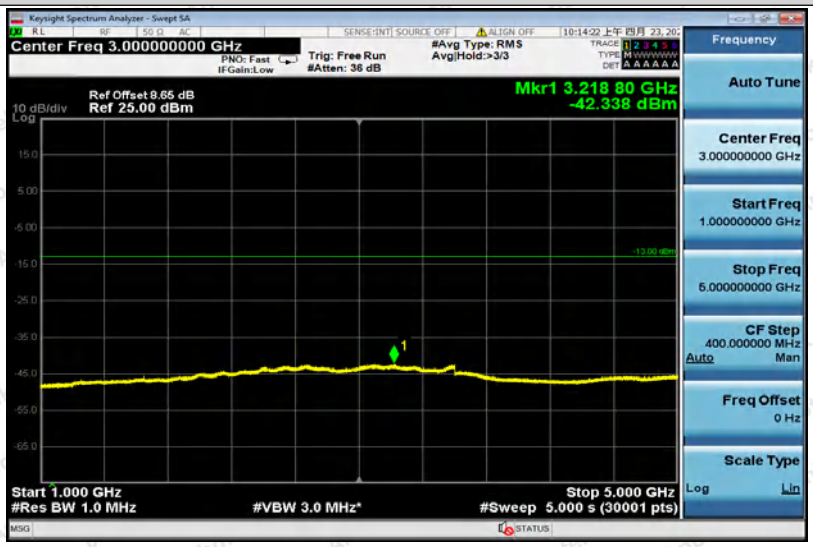


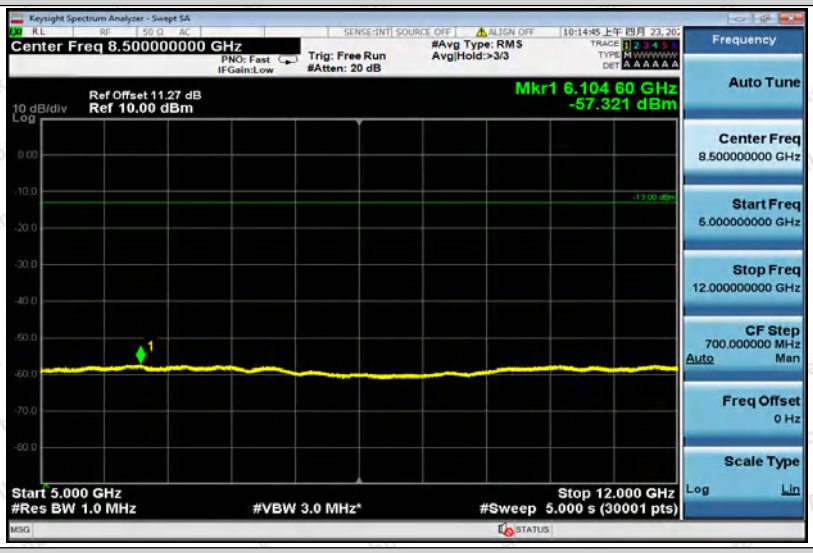
EGPRS850-128-0.15~30



EGPRS850-128-30~1000



EGPRS850-128-1000~5000



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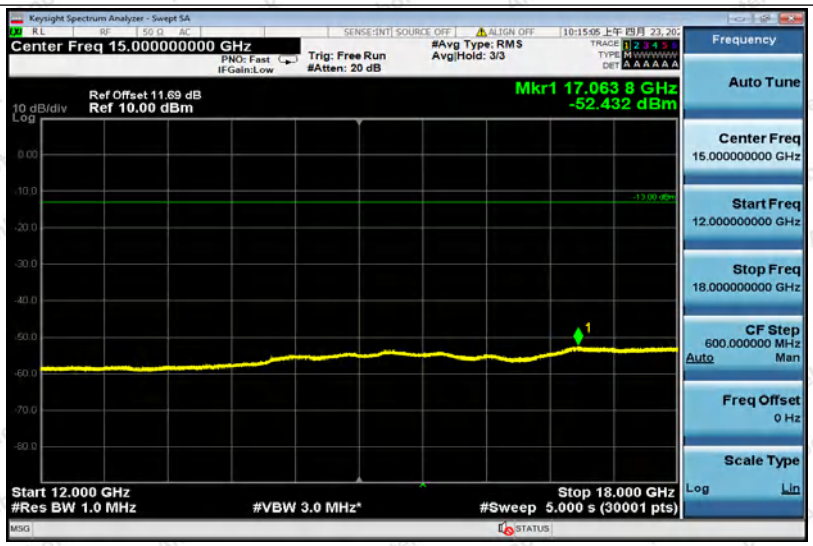
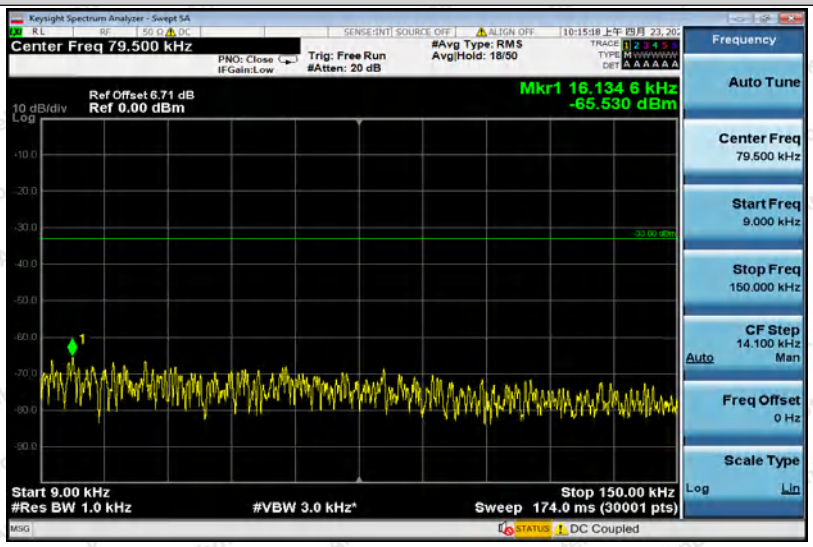
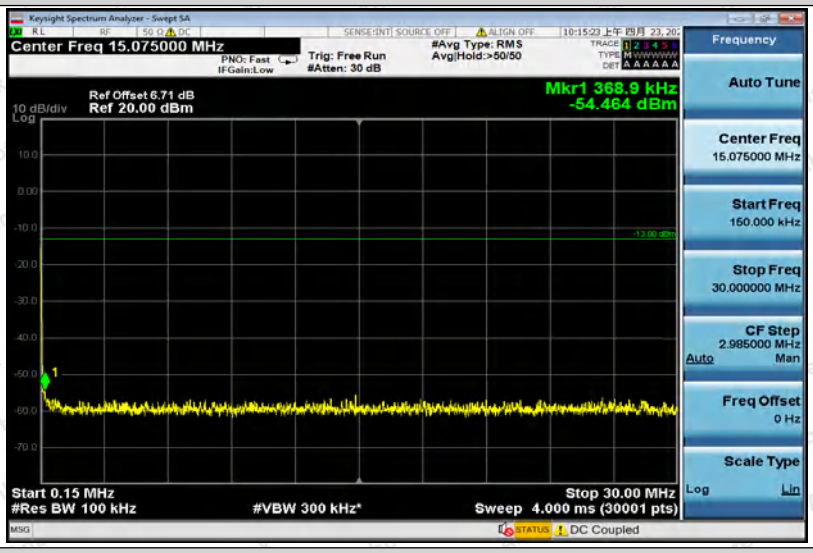


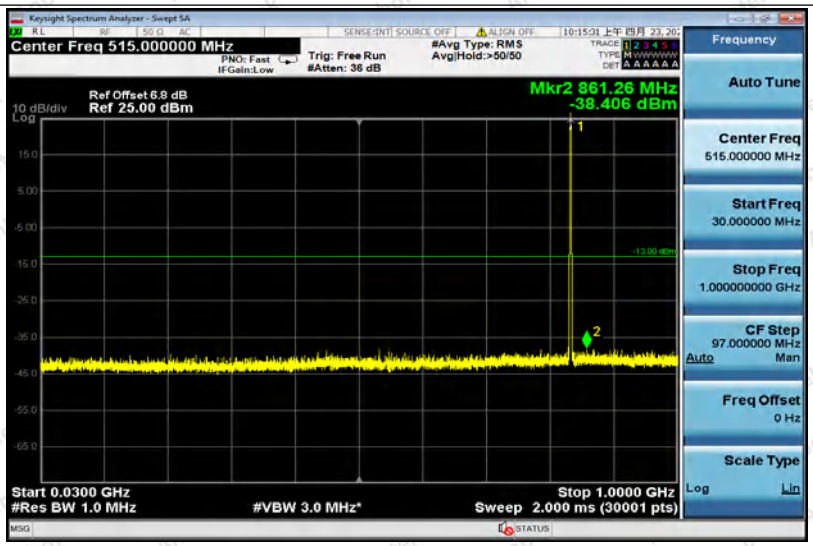
EGPRS850-128-12000~18000



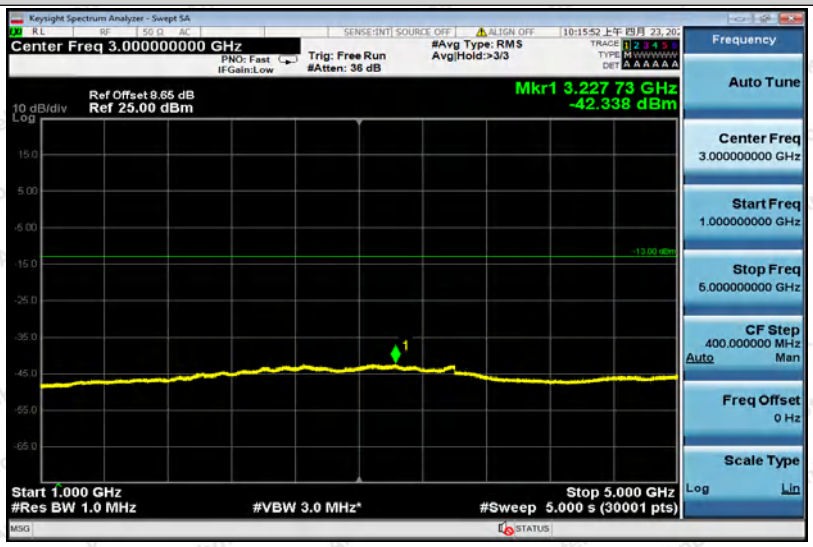
EGPRS850-190-0.009~0.15



EGPRS850-190-0.15~30



EGPRS850-190-30~1000



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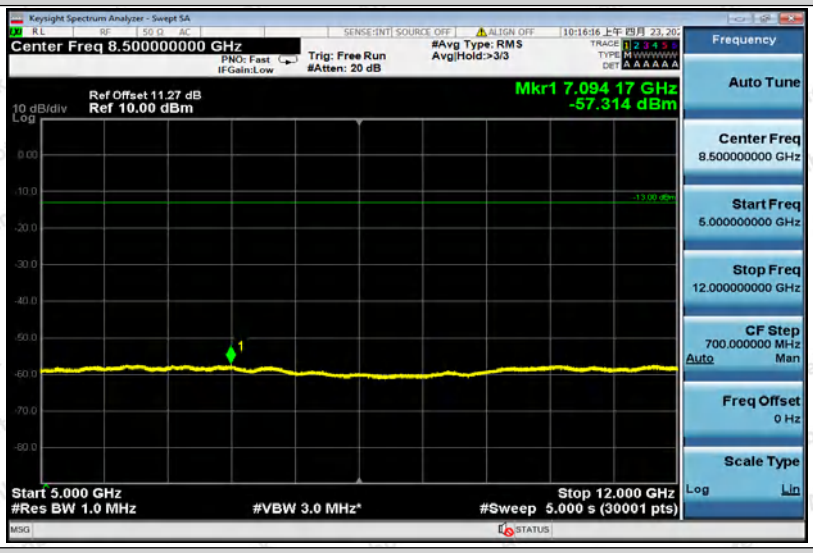
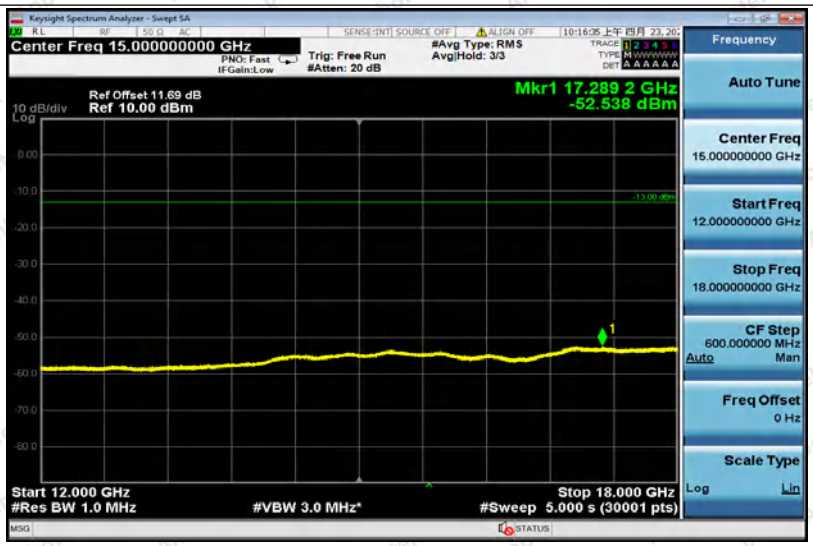


EGPRS850-190-5000~12000



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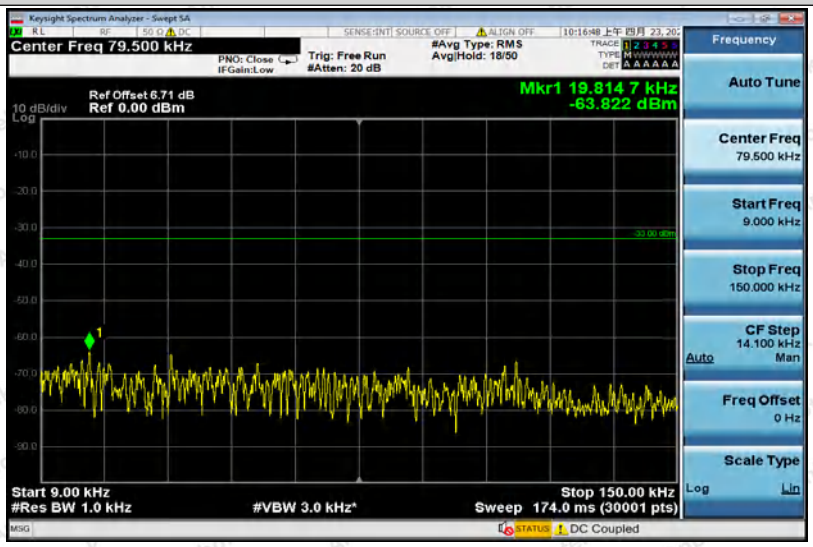

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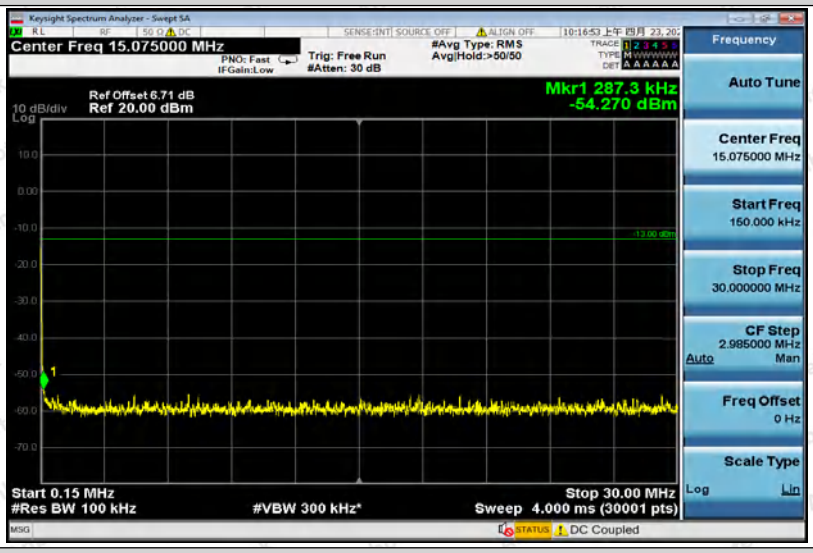
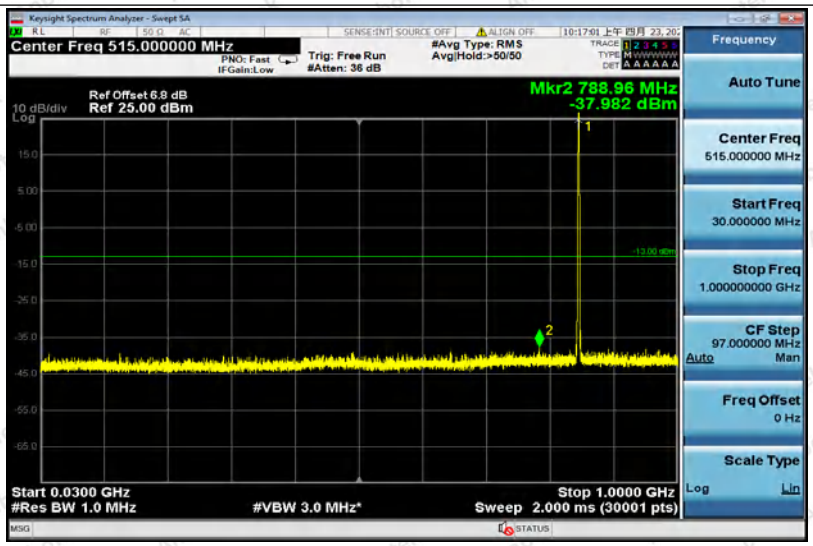


EGPRS850-251-0.15~30



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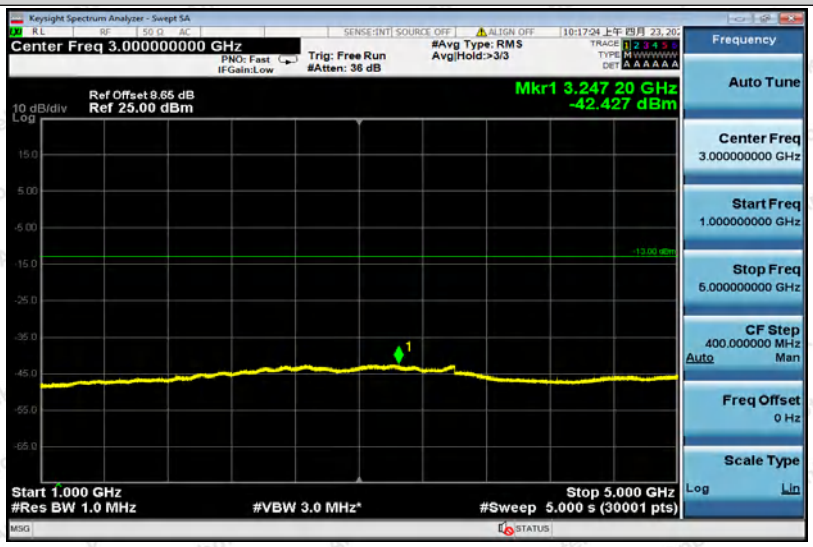
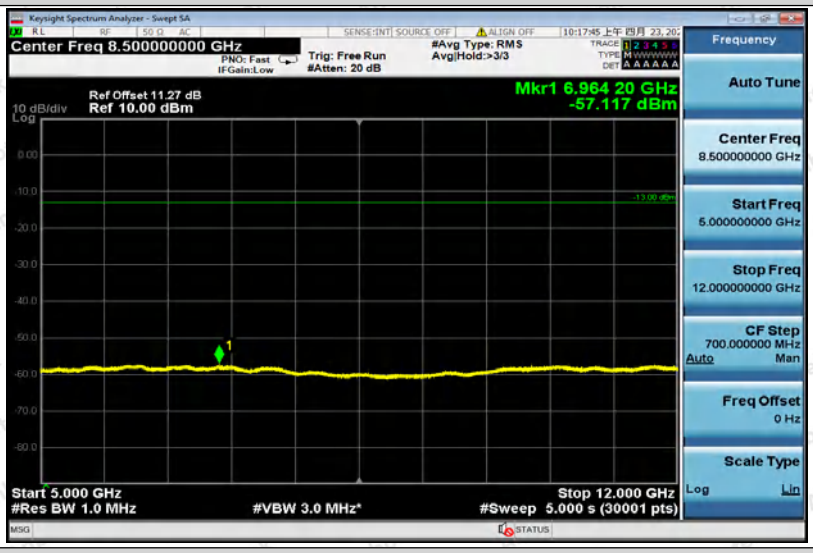
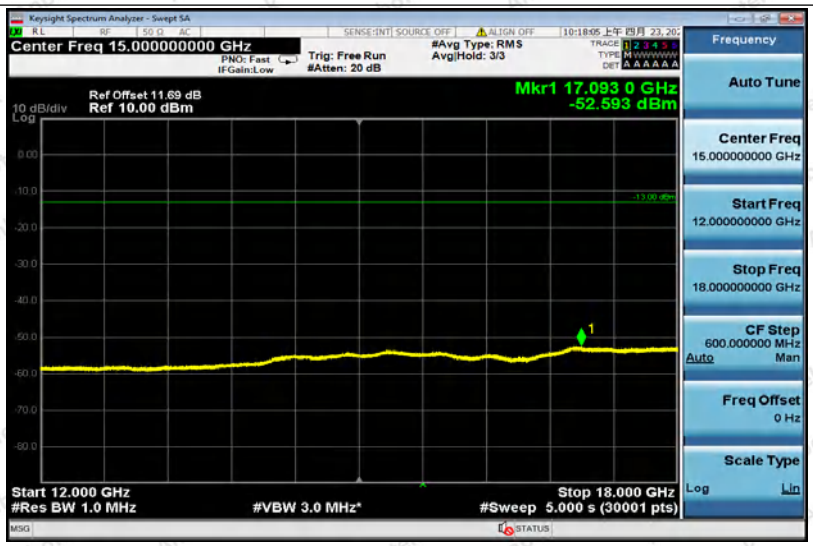


EGPRS850-251-1000~5000



EGPRS850-251-5000~12000



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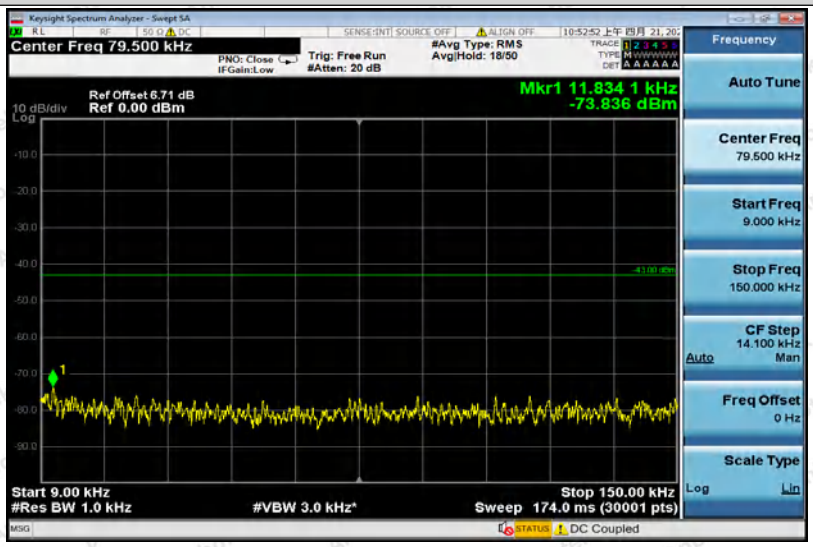

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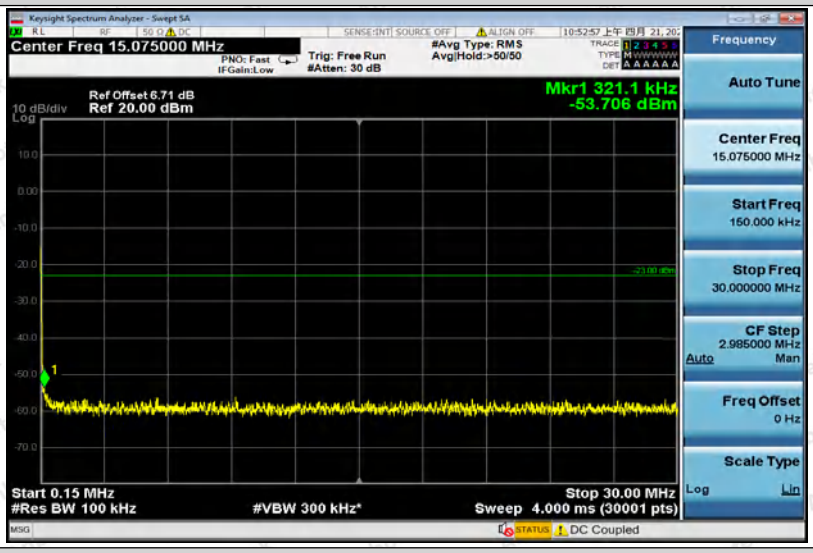

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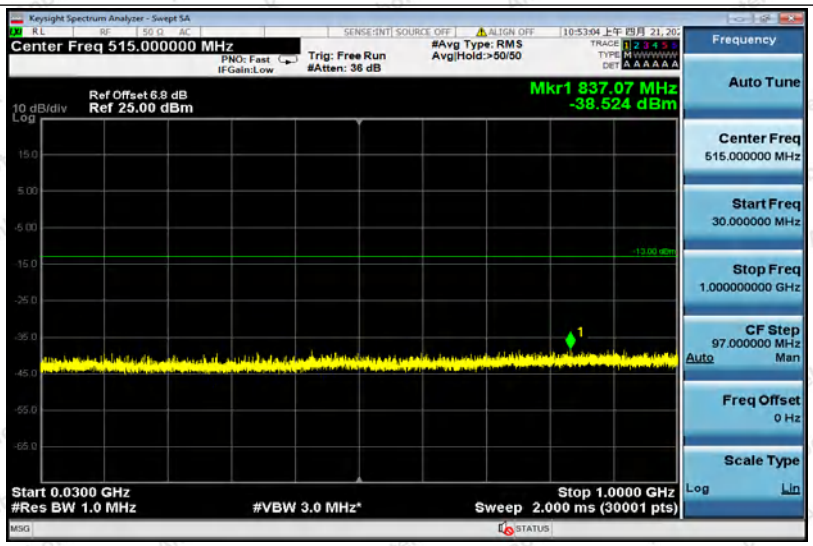

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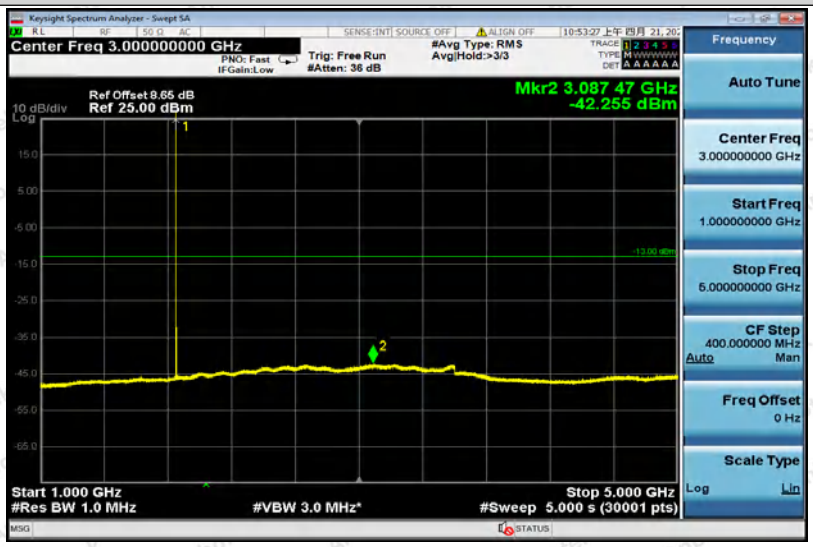

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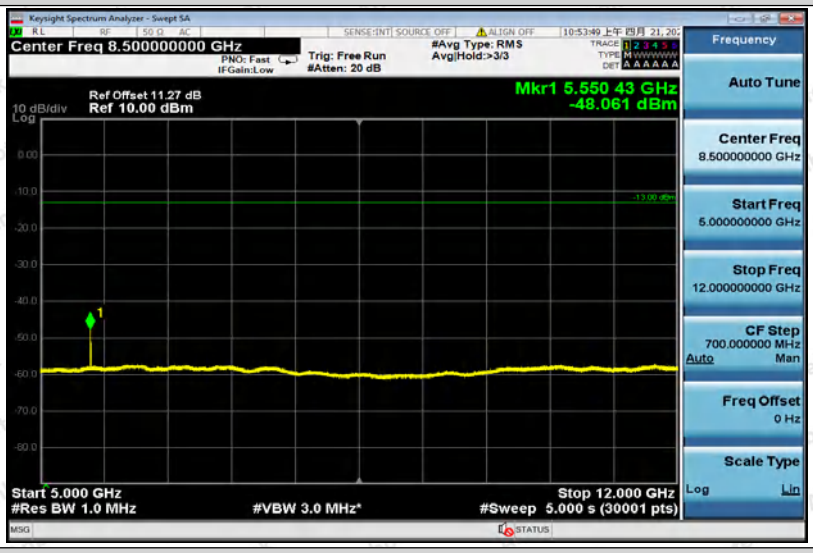
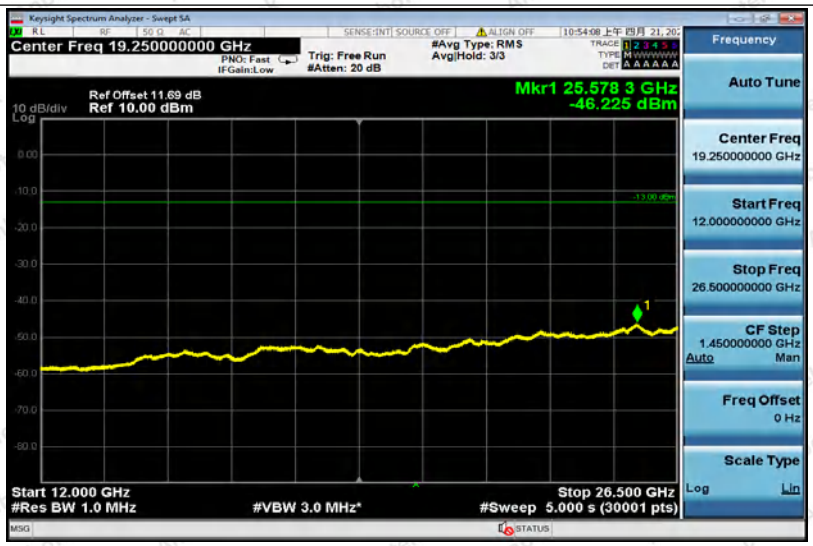


GPRS1900-512-5000~12000



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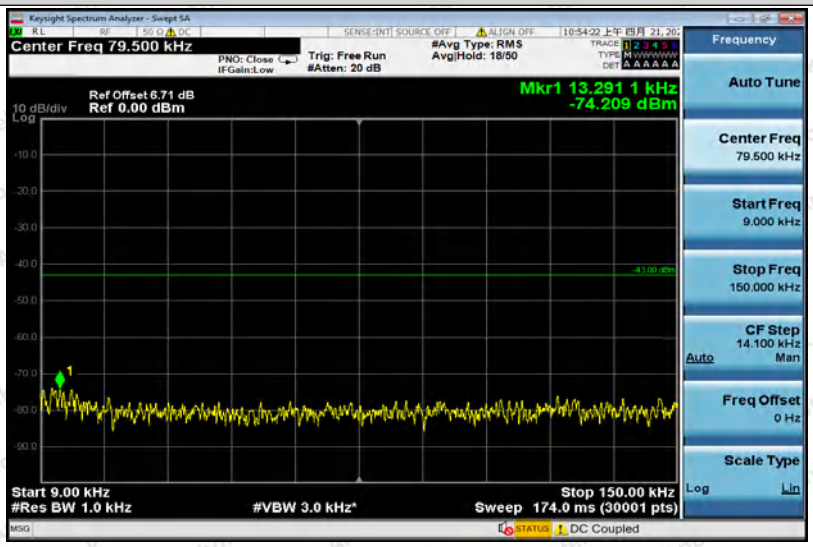

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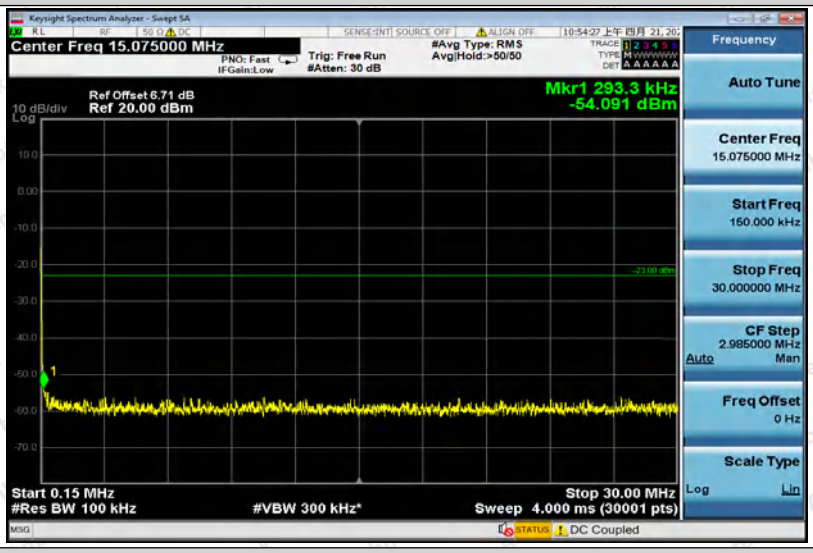

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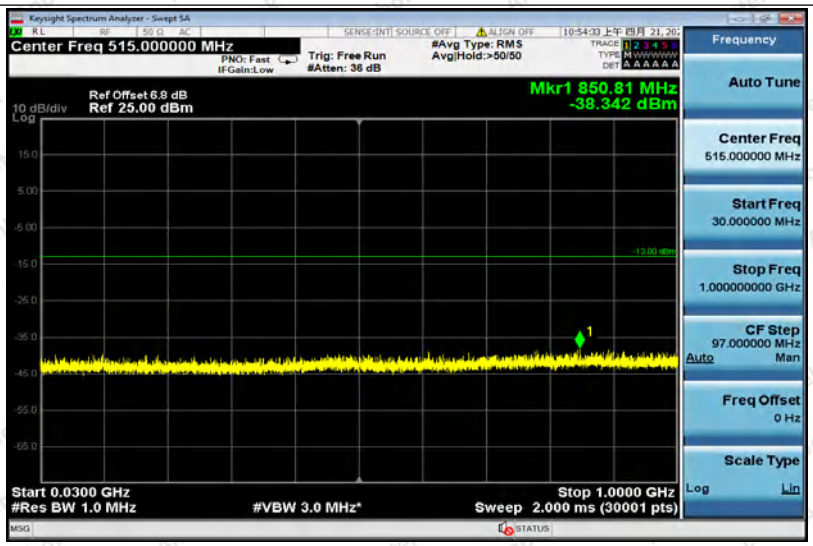
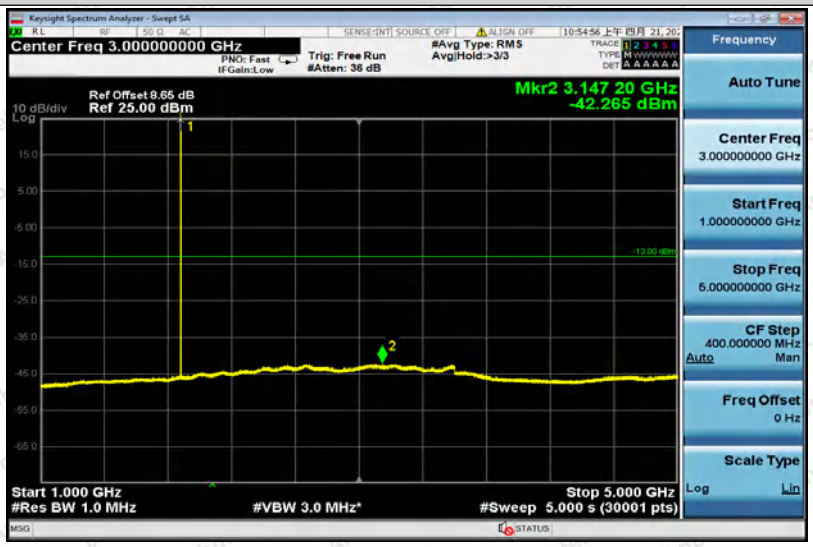
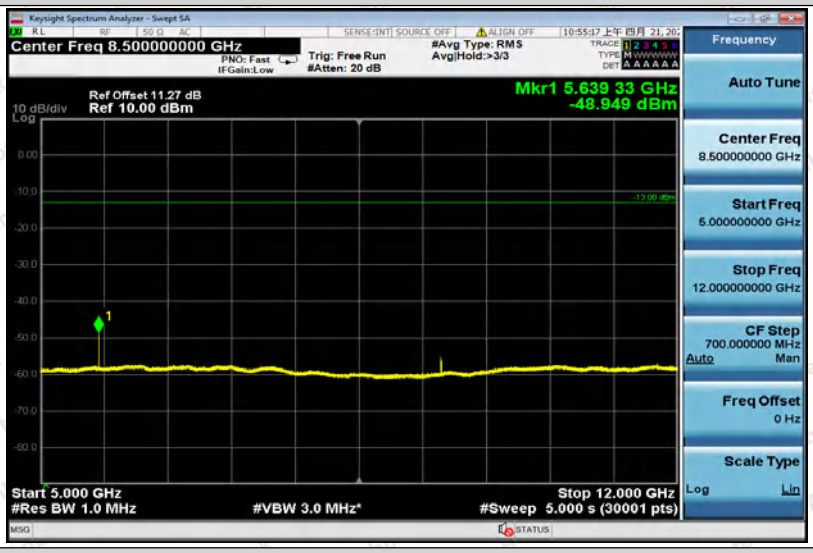


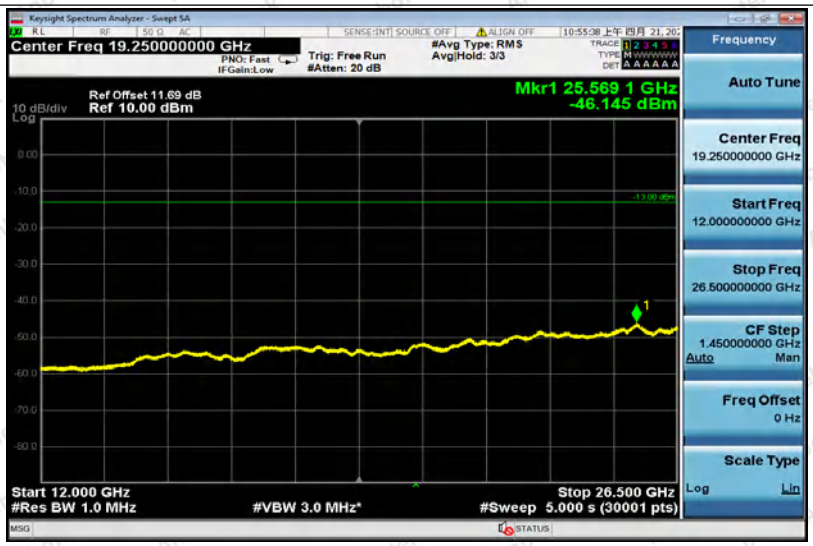
GPRS1900-661-30~1000



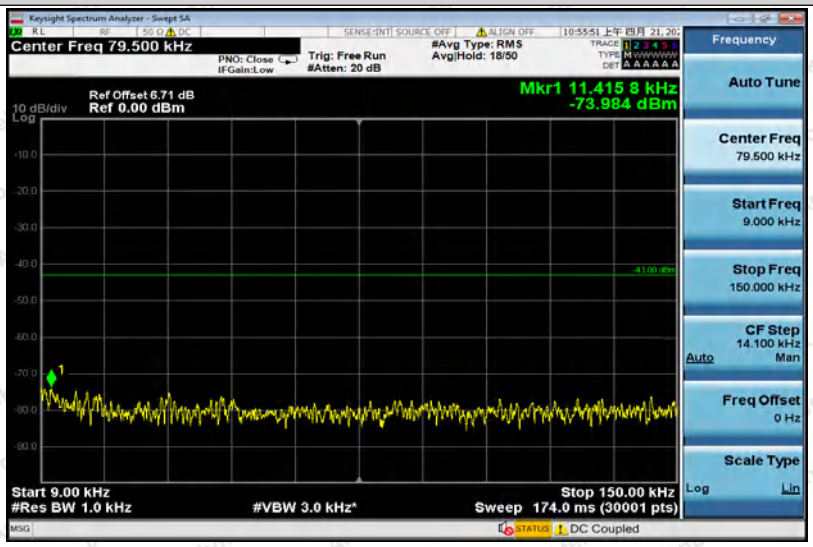
GPRS1900-661-1000~5000



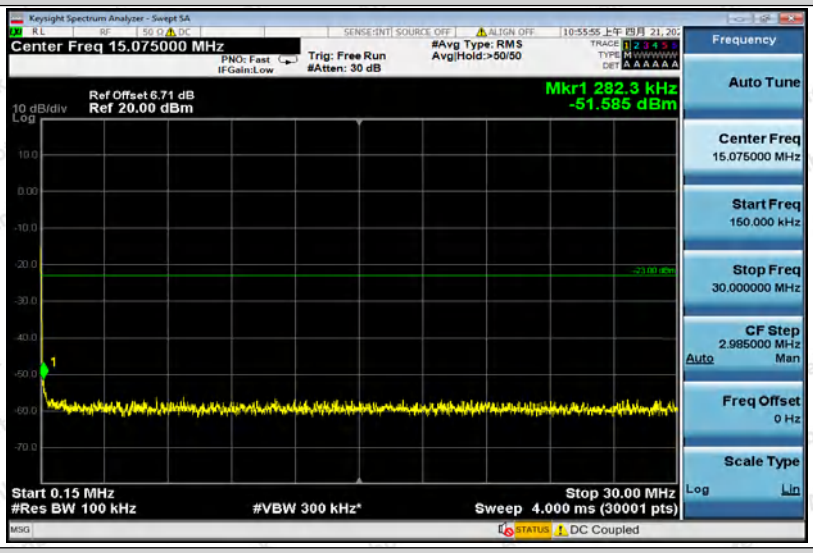
GPRS1900-661-5000~12000



GPRS1900-661-12000~26500



GPRS1900-810-0.009~0.15



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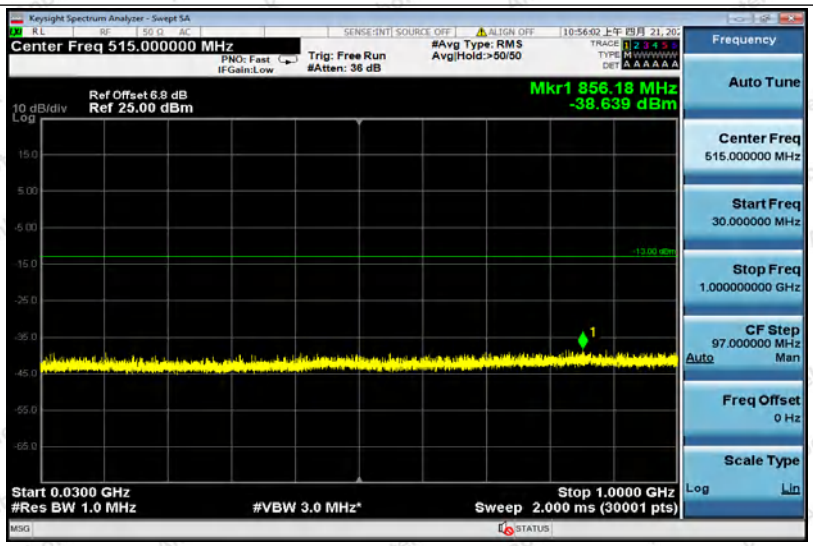

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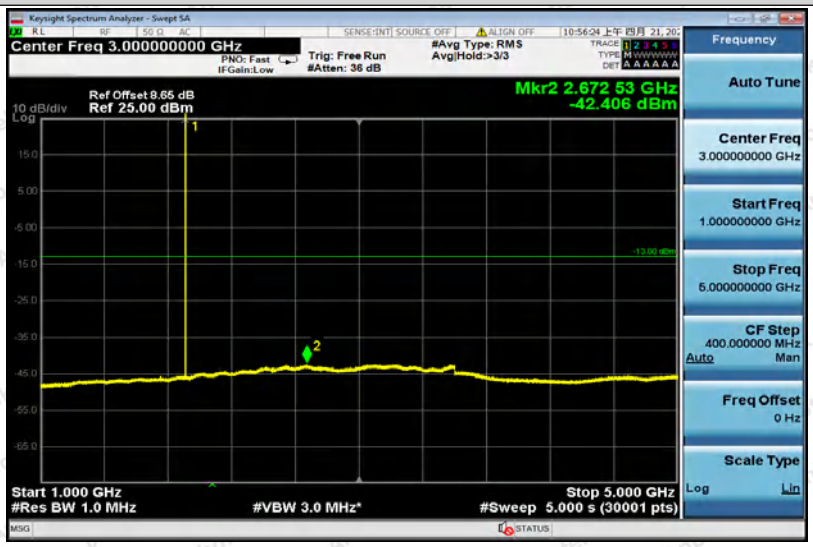
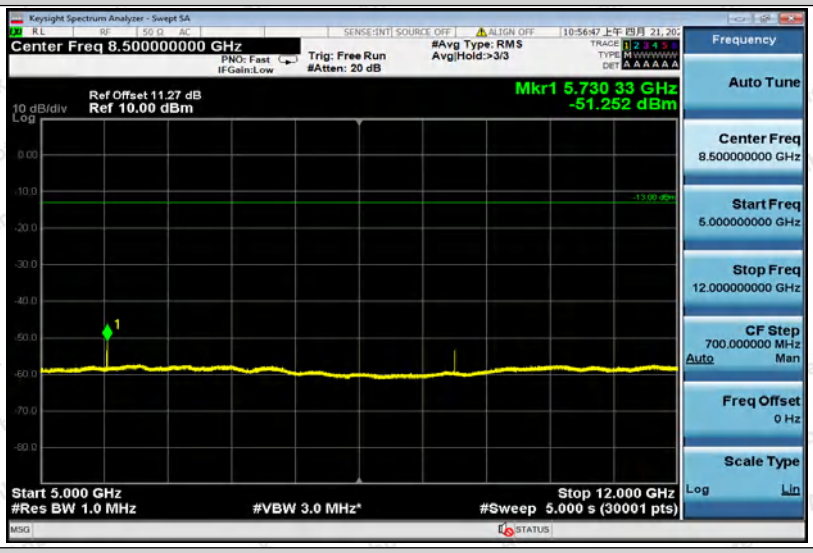
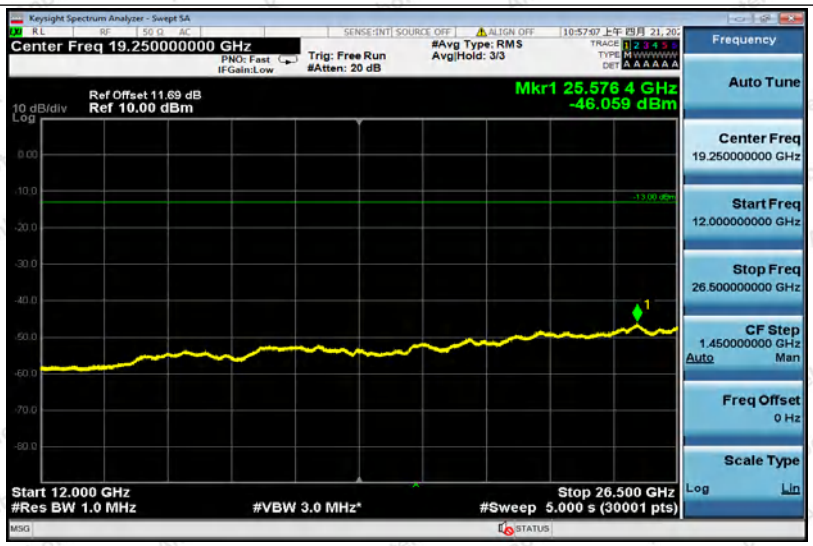


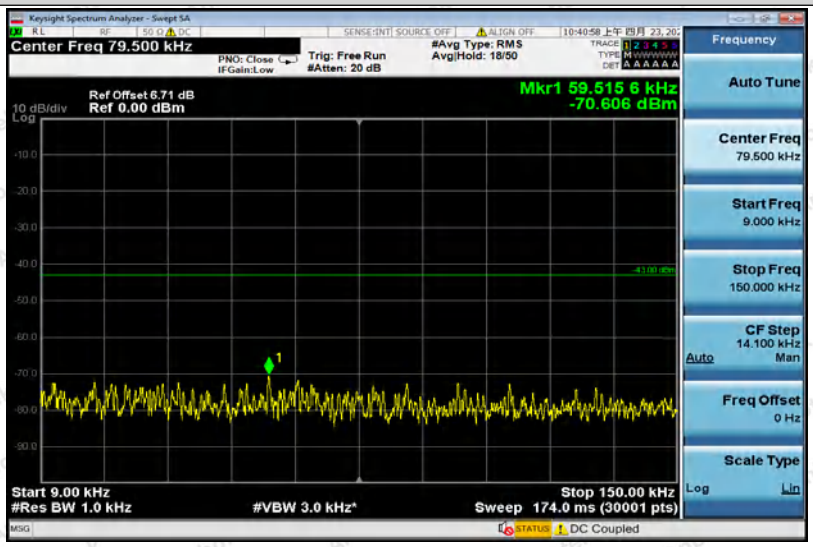
GPRS1900-810-1000~5000



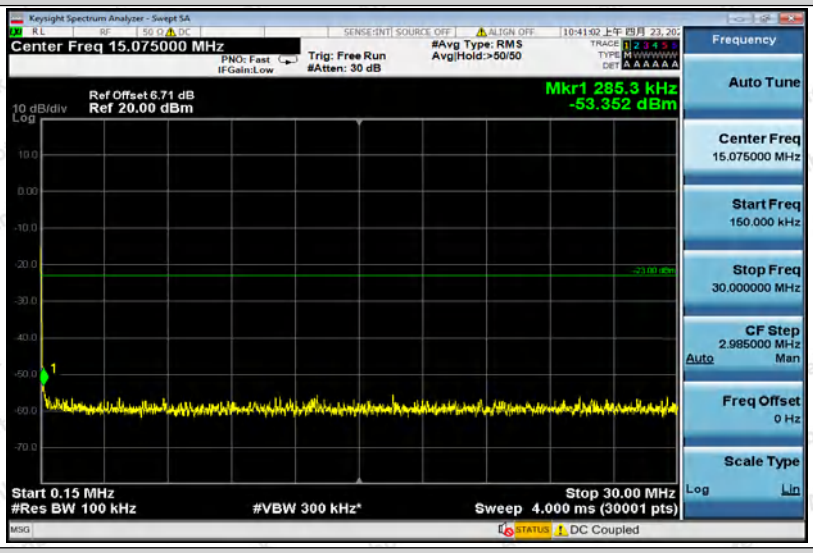
GPRS1900-810-5000~12000



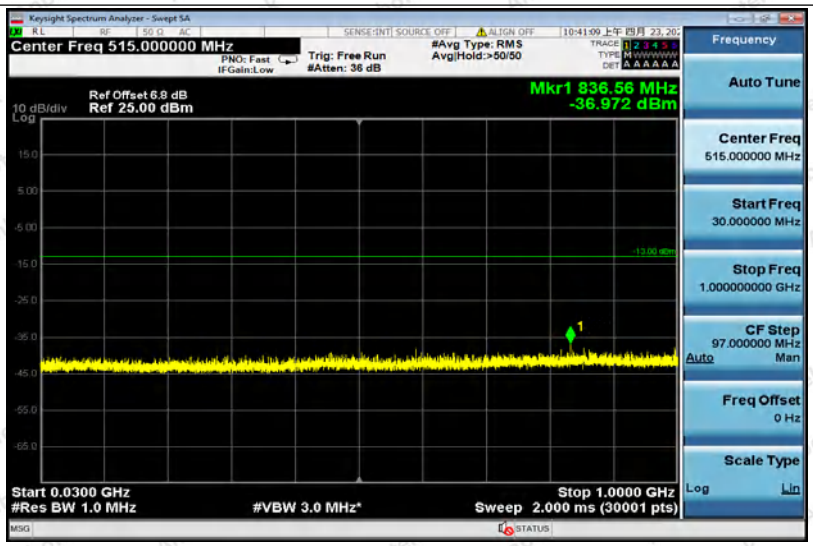
GPRS1900-810-12000~26500



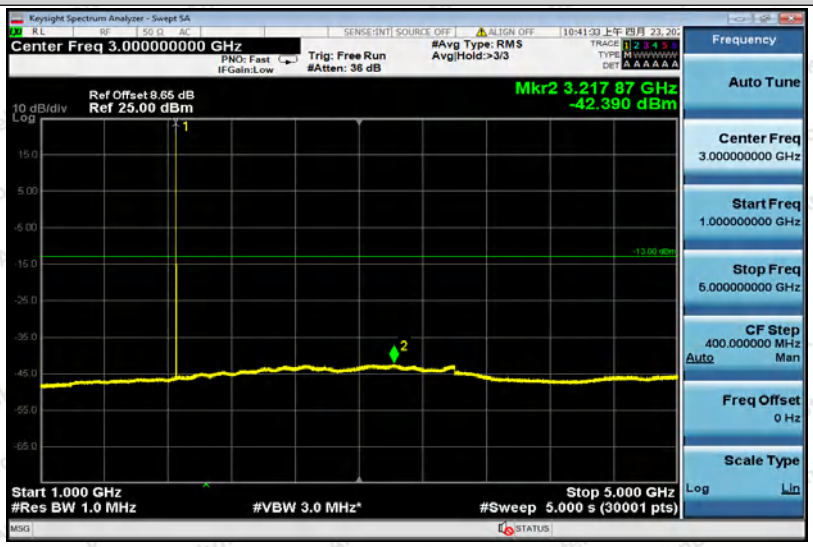
EGPRS1900-512-0.009~0.15



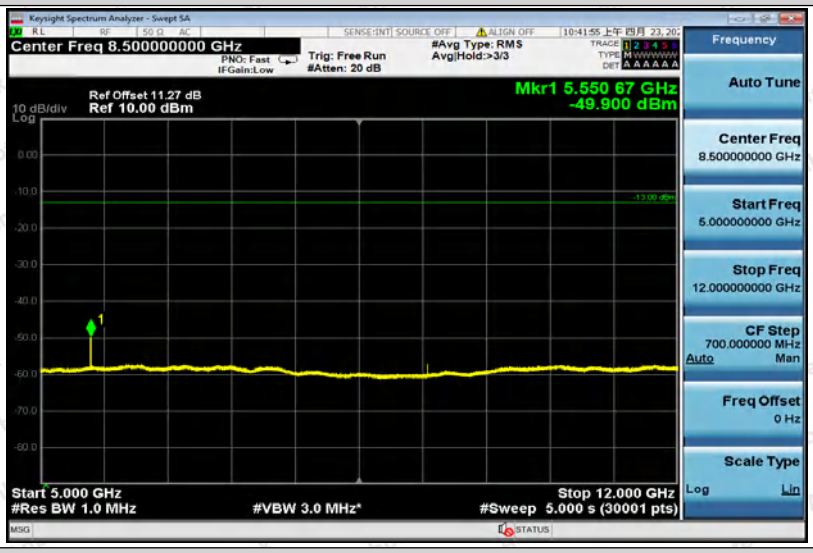
EGPRS1900-512-0.15~30



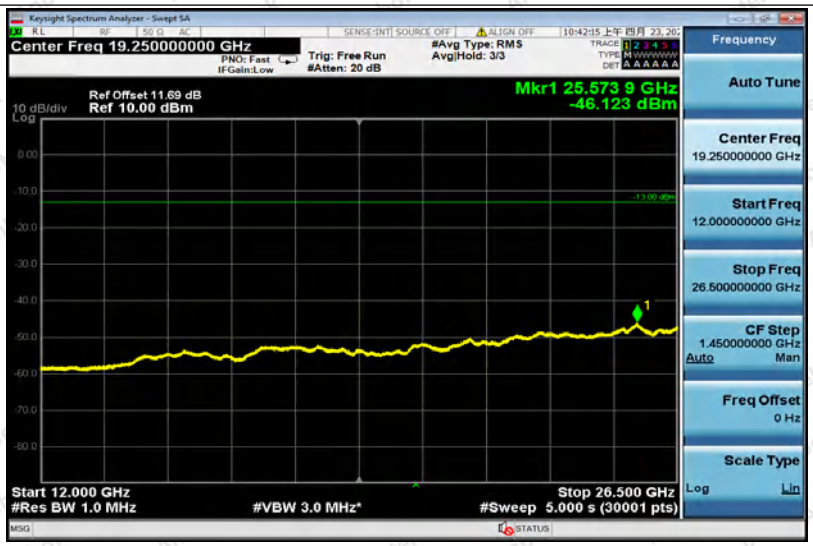
EGPRS1900-512-30~1000



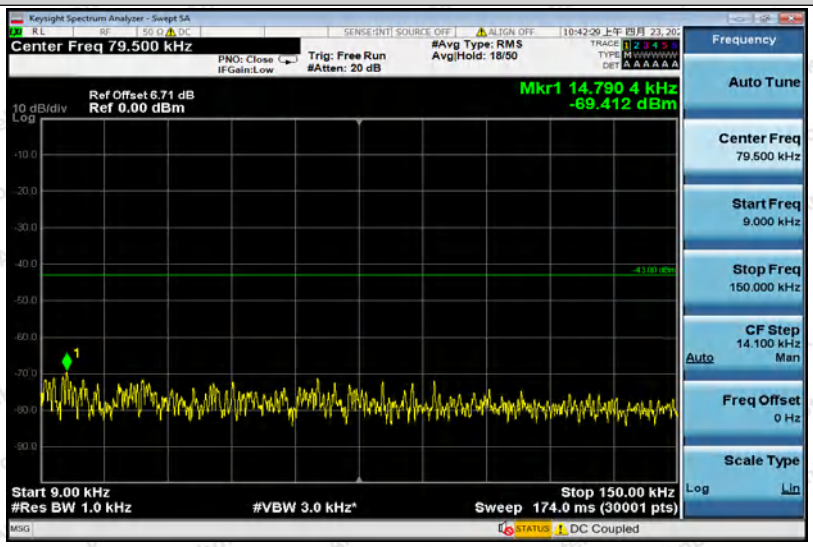
EGPRS1900-512-1000~5000



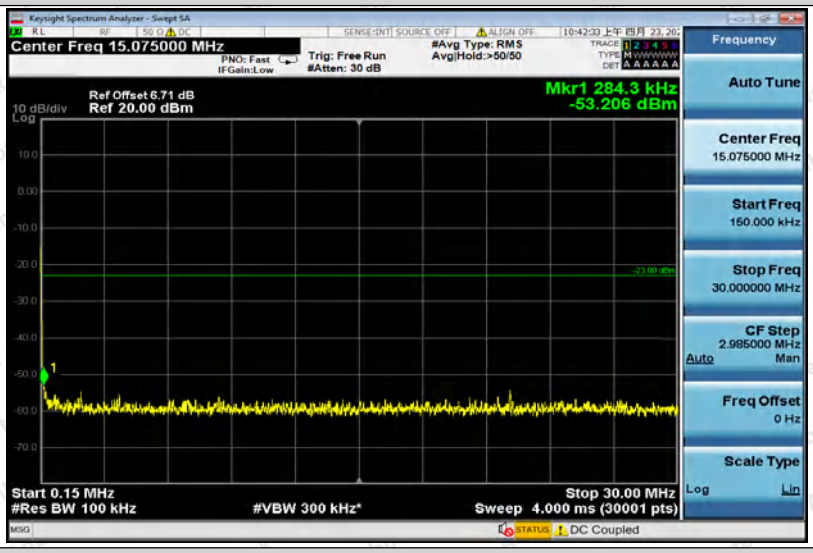
EGPRS1900-512-5000~12000



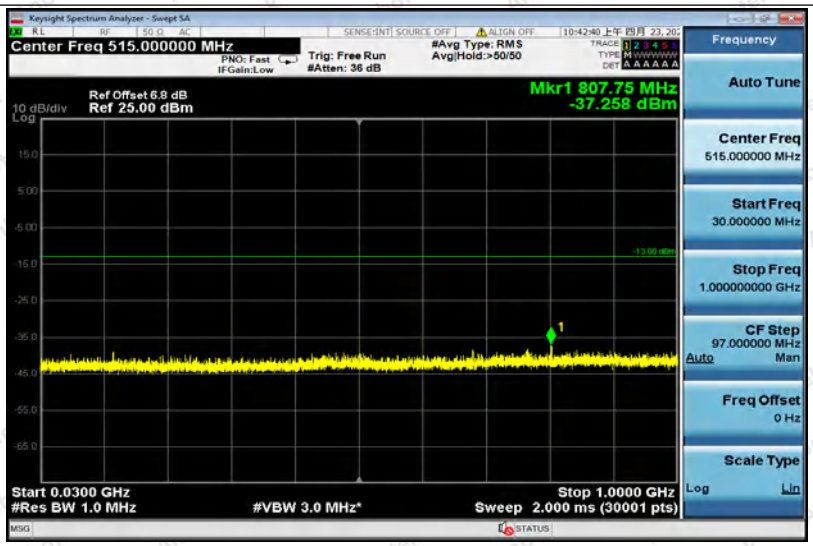
EGPRS1900-512-12000~26500



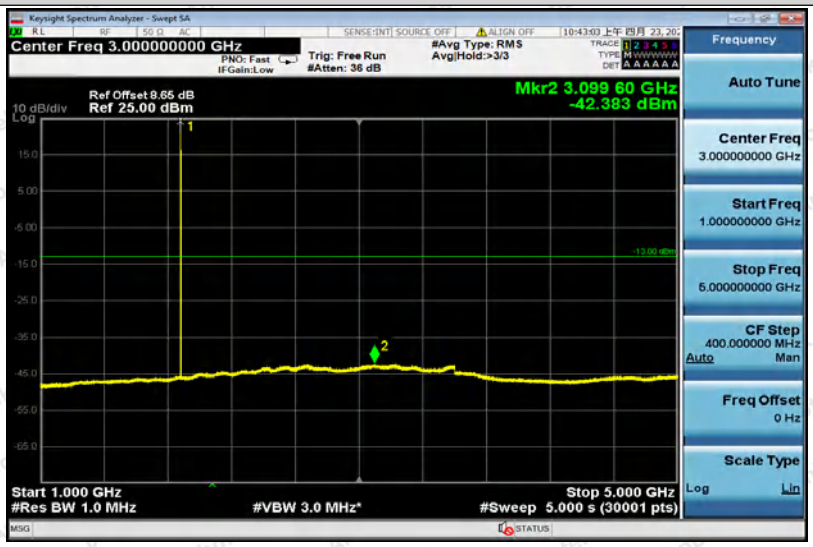
EGPRS1900-661-0.009~0.15



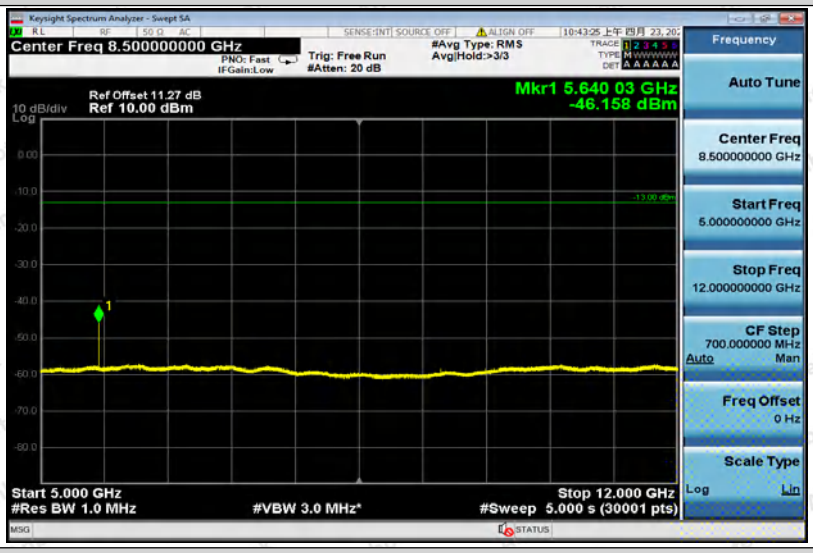
EGPRS1900-661-0.15~30



EGPRS1900-661-30~1000



EGPRS1900-661-1000~5000



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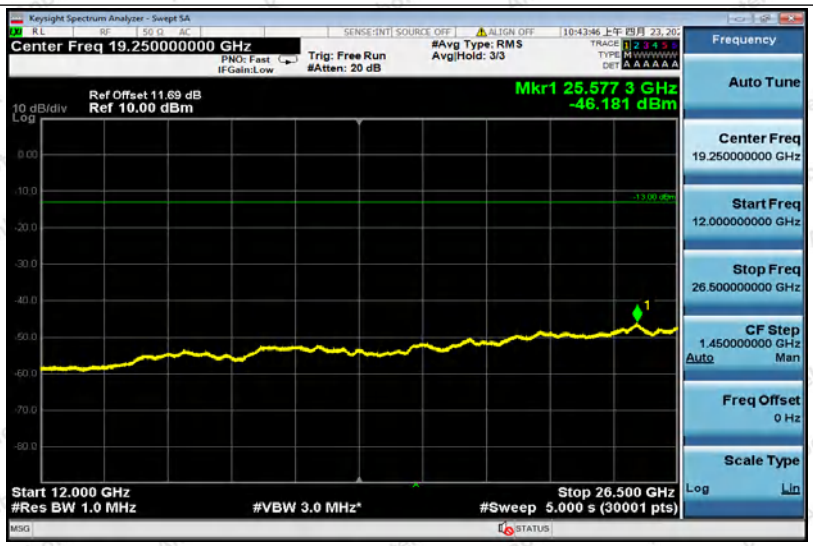

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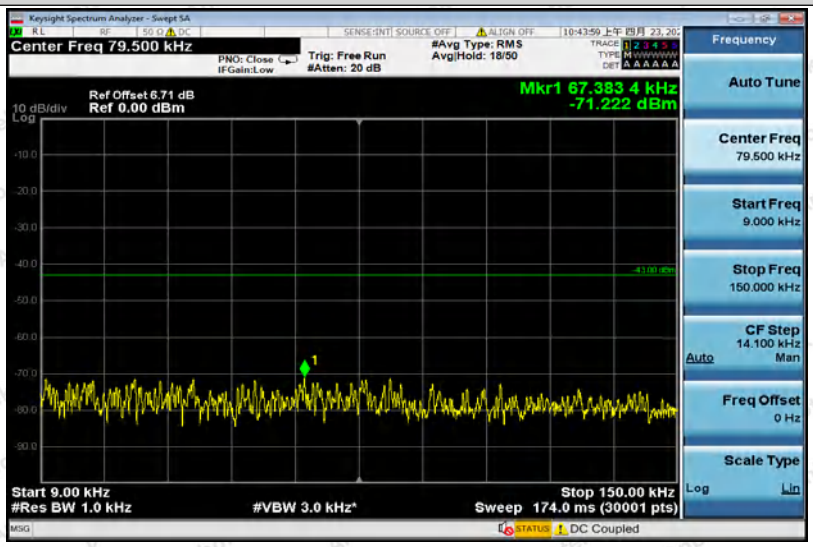

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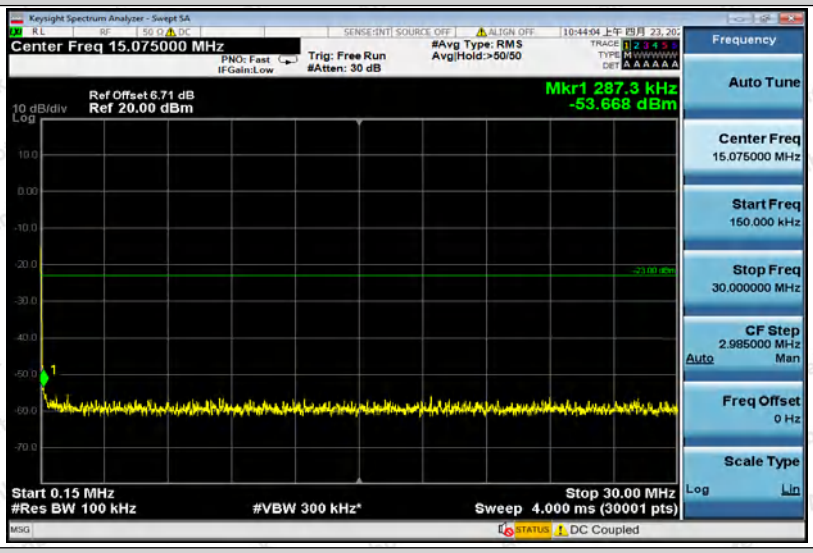

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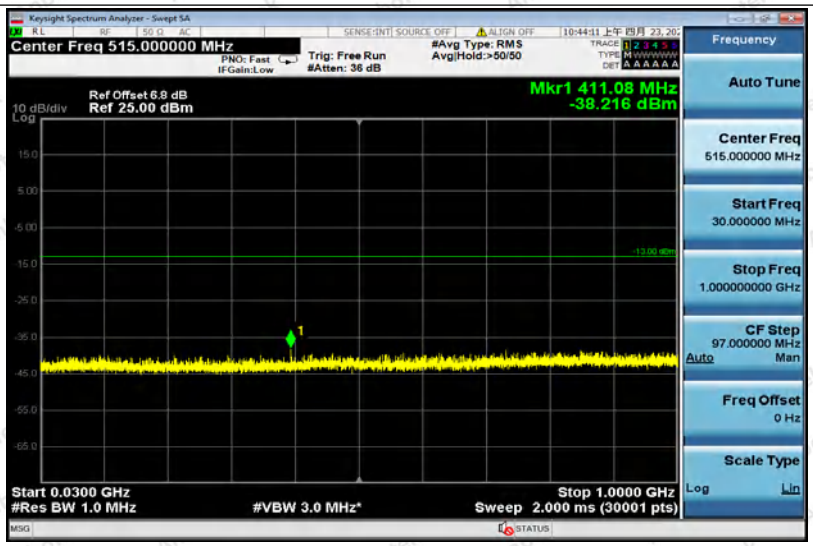

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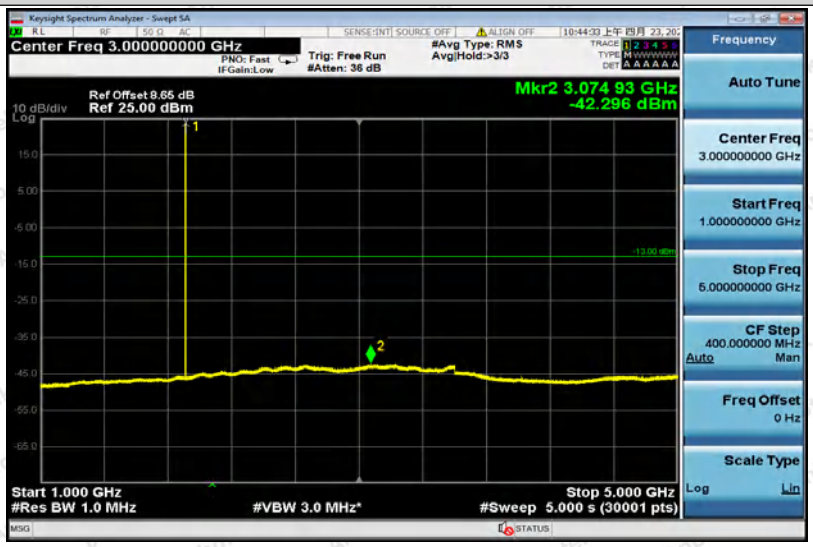

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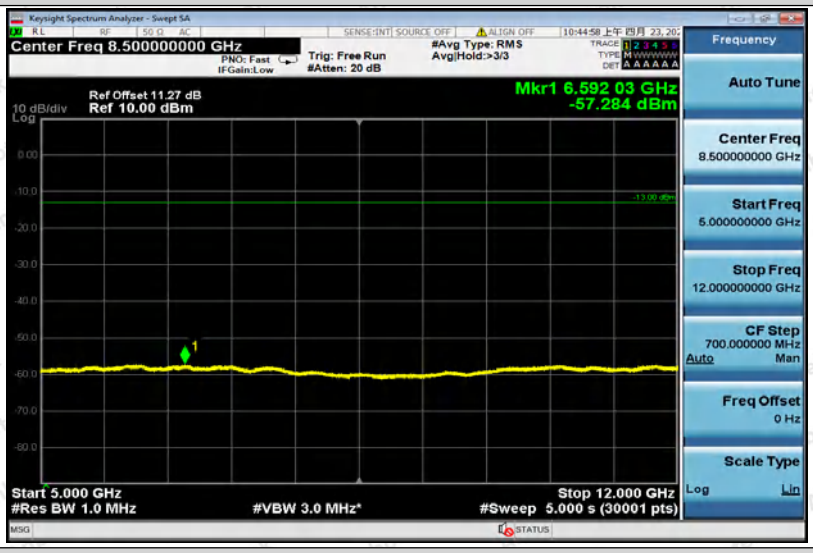

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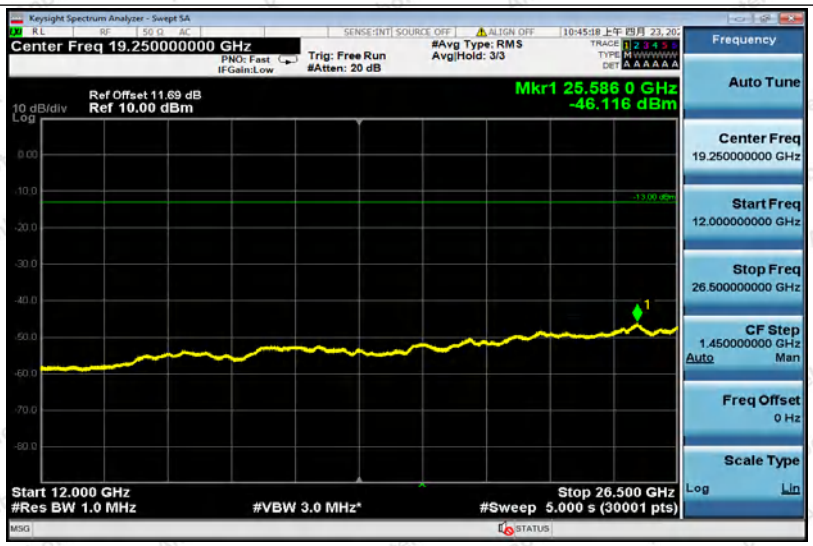

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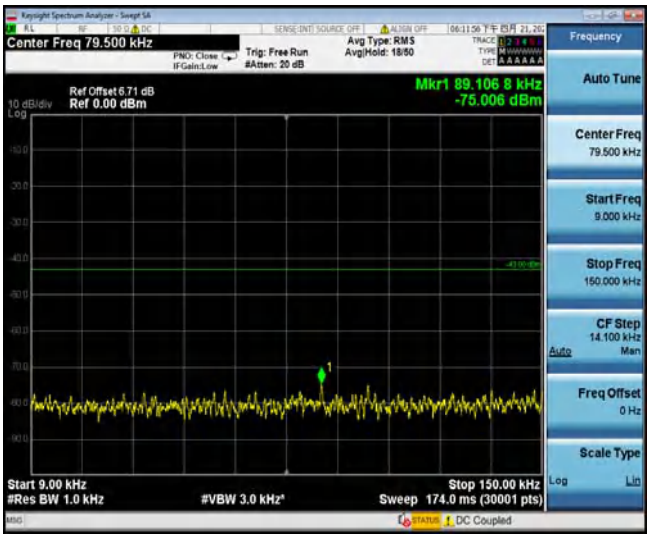
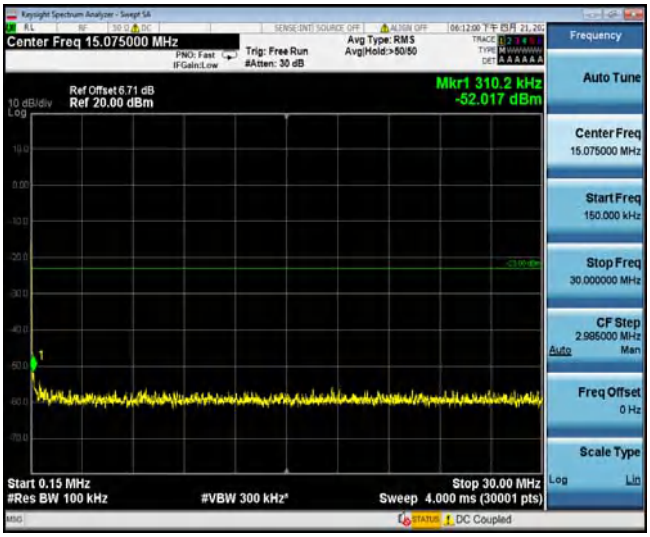
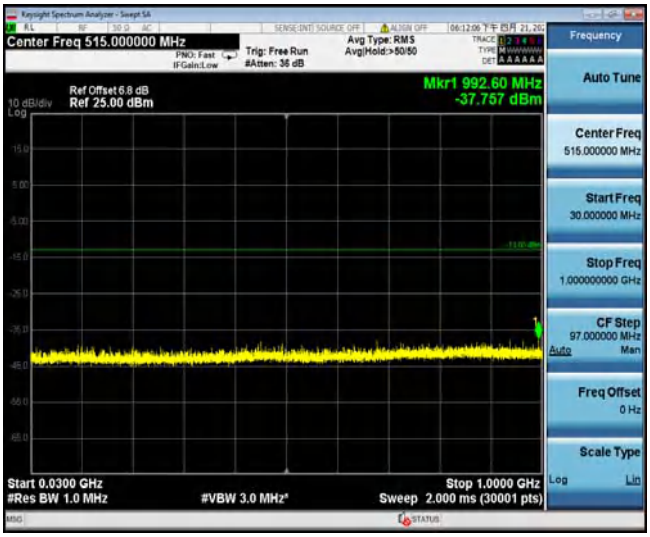


Band II_9262



Band II_9262

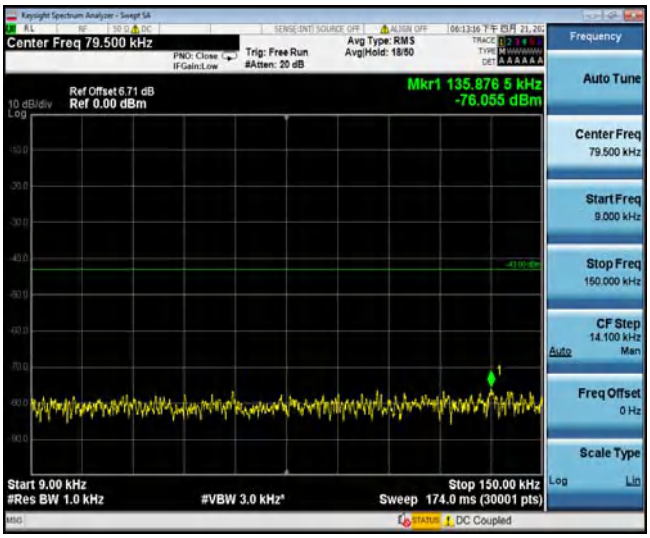


Band II_9262

Band II_9262

Band II_9262

Band II_9262



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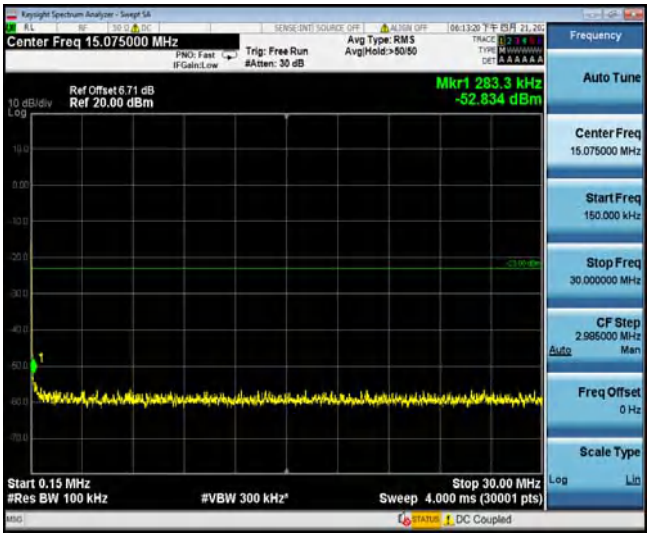

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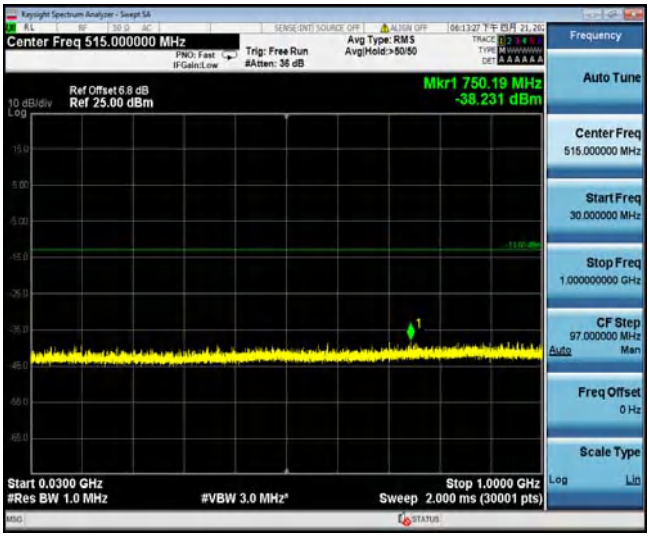
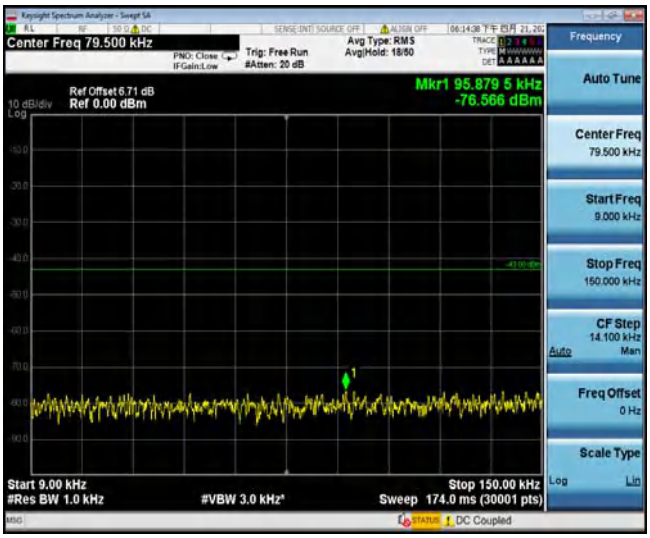


Band II_9400

Band II_9400

Band II_9400

Band II_9400



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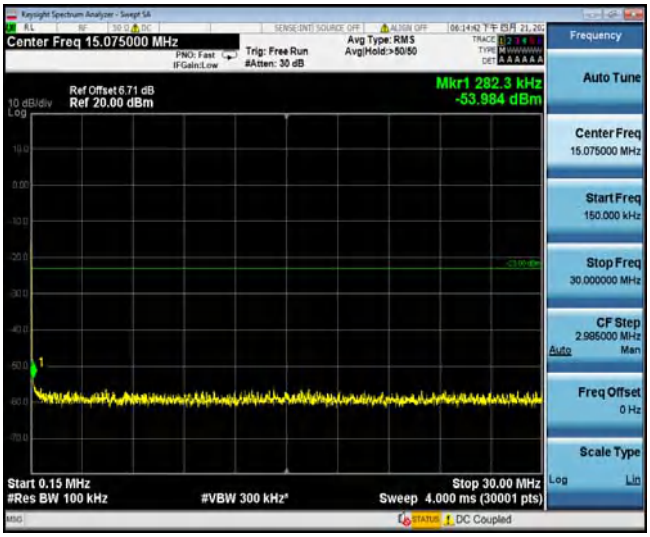

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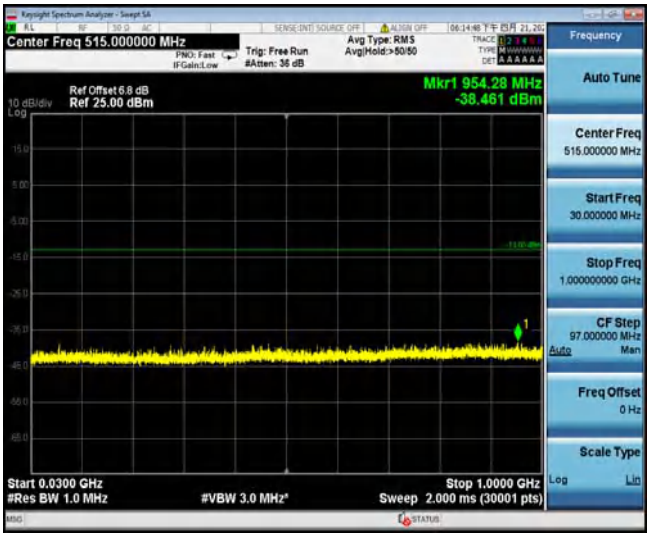
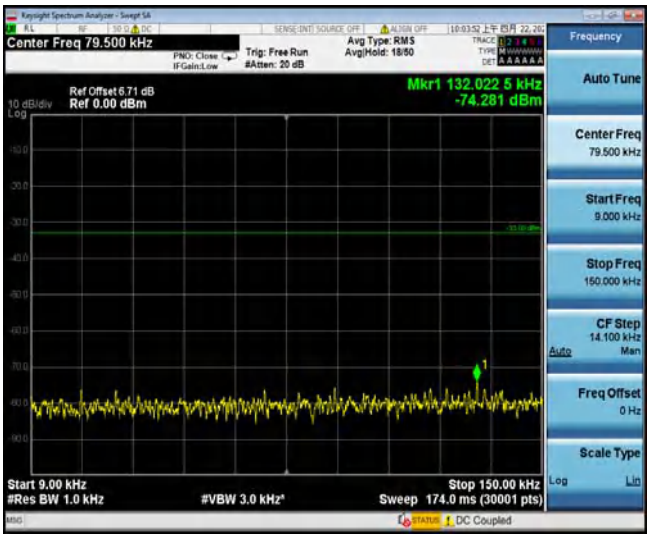


Band II_9538

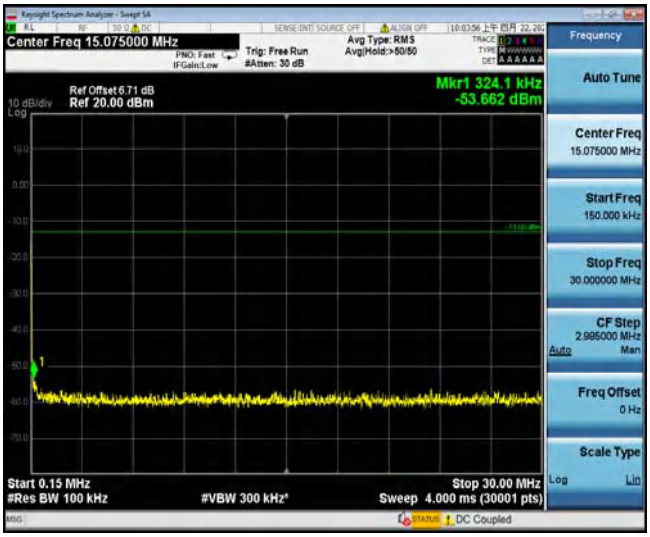
Band II_9538

Band II_9538

Band II_9538



Band V_4132



Band V_4132