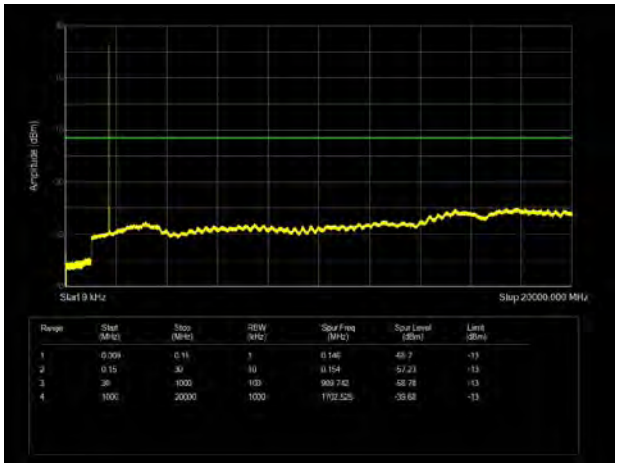
6.6 Spurious Emissions at Antenna Terminals

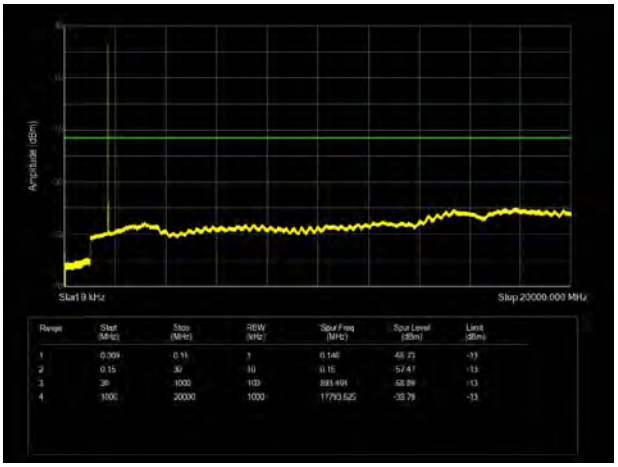
Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions more than 20 dB below the limit are not reported.

The signal beyond the limit is carrier.

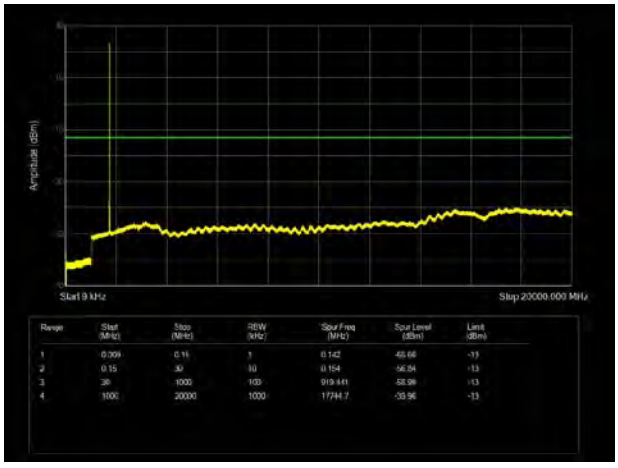
LTE Band 4 1.4MHz CH-Low 9kHz~20GHz



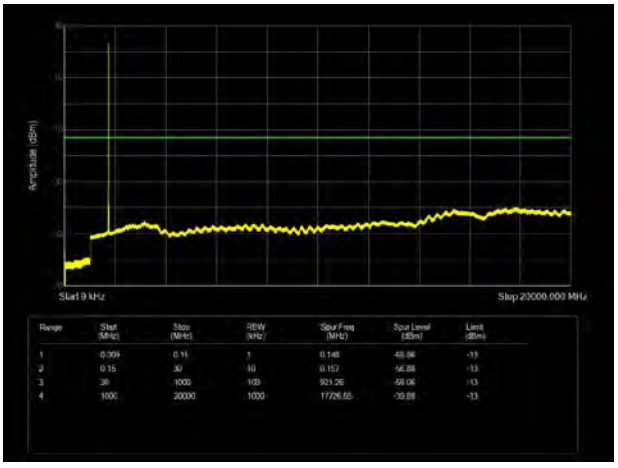
LTE Band 4 3MHz CH- Low 9kHz~20GHz



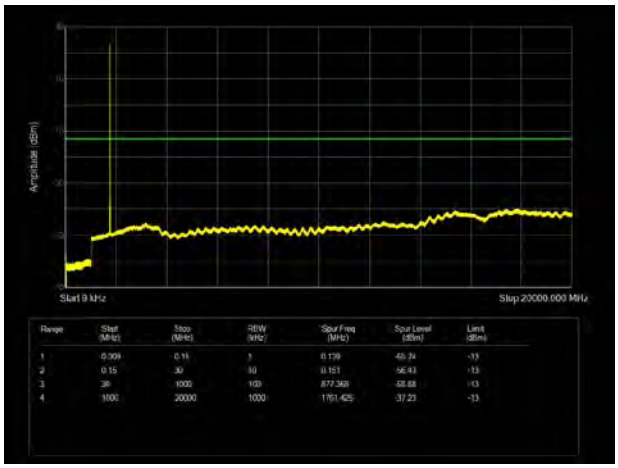
LTE Band 4 1.4MHz CH- Middle 9kHz~20GHz



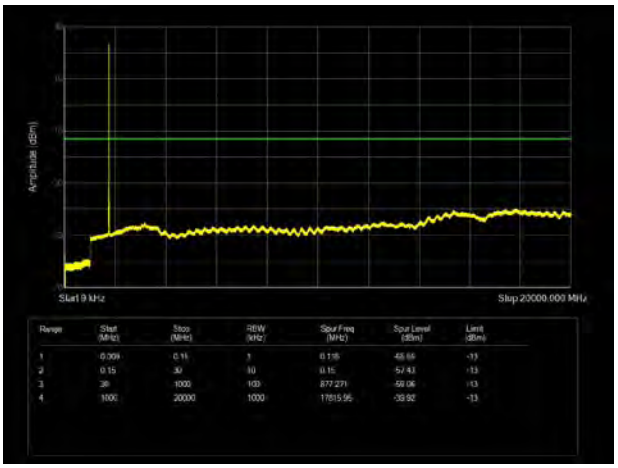
LTE Band 4 3MHz CH- Middle 9kHz~20GHz



LTE Band 4 1.4MHz CH- High 9kHz~20GHz



LTE Band 4 3MHz CH-High 9kHz~20GHz



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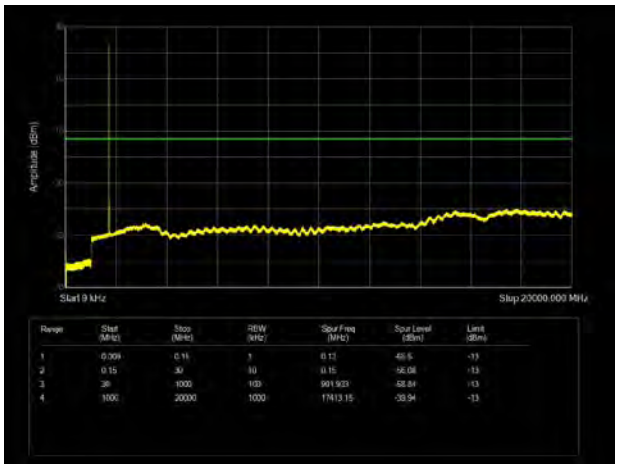
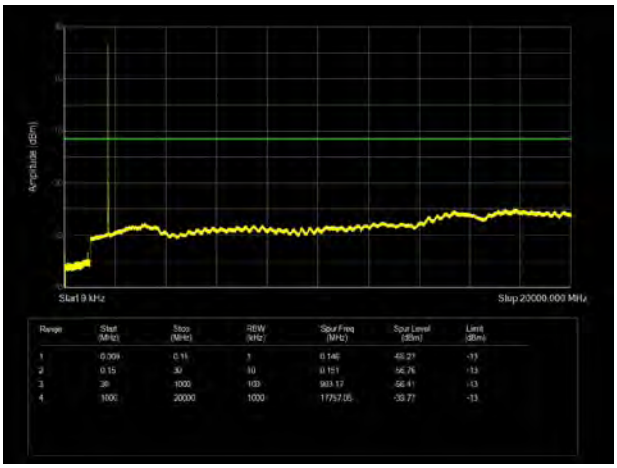
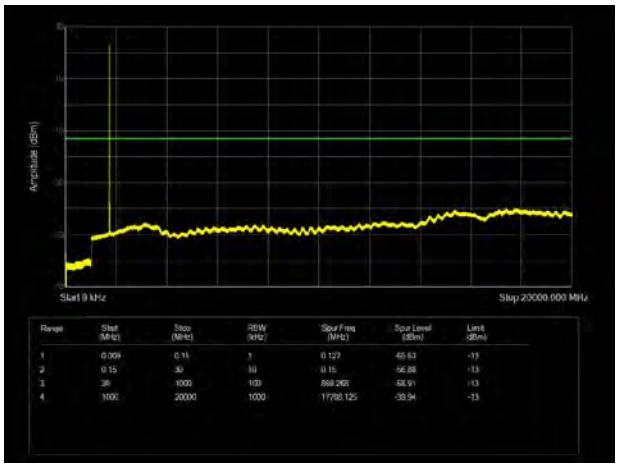
LTE Band 4 5MHz CH- Low 9kHz~20GHz



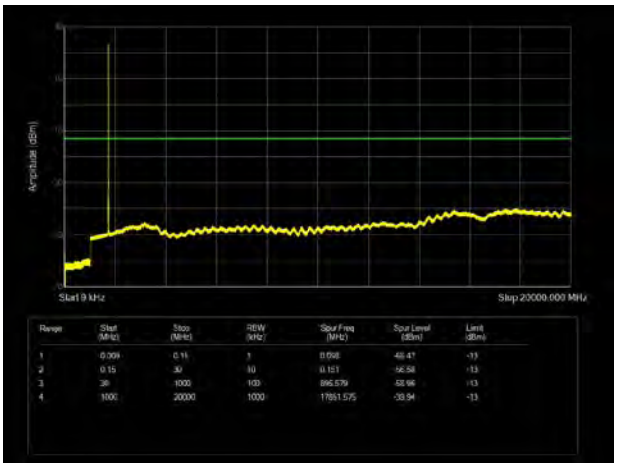
LTE Band 4 10MHz CH-Low 9kHz~20GHz



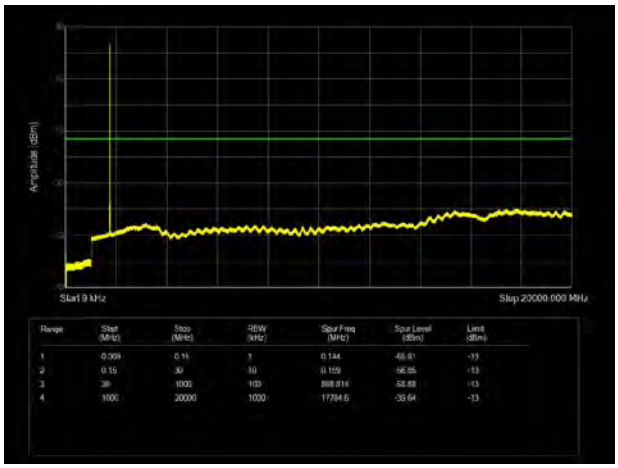
LTE Band 4 5MHz CH- Middle 9kHz~20GHz



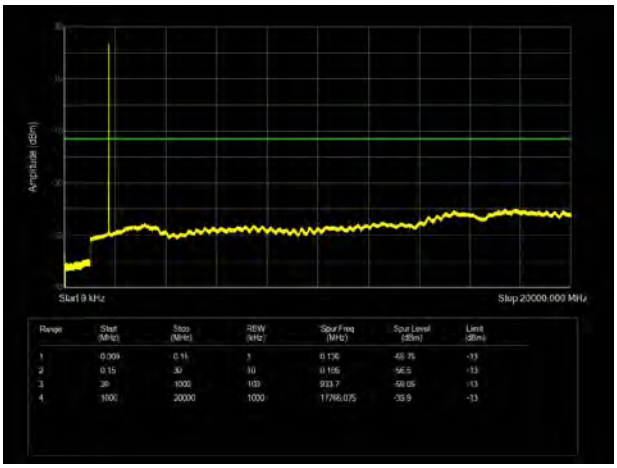
LTE Band 4 10MHz CH- Middle 9kHz~20GHz



LTE Band 4 5MHz CH-High 9kHz~20GHz



LTE Band 4 10MHz CH- High 9kHz~20GHz



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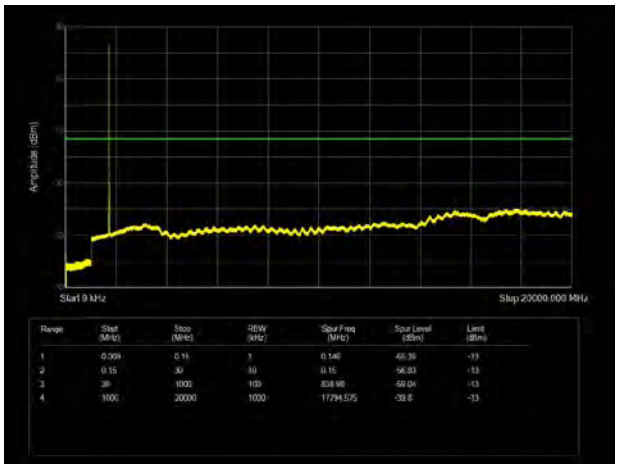
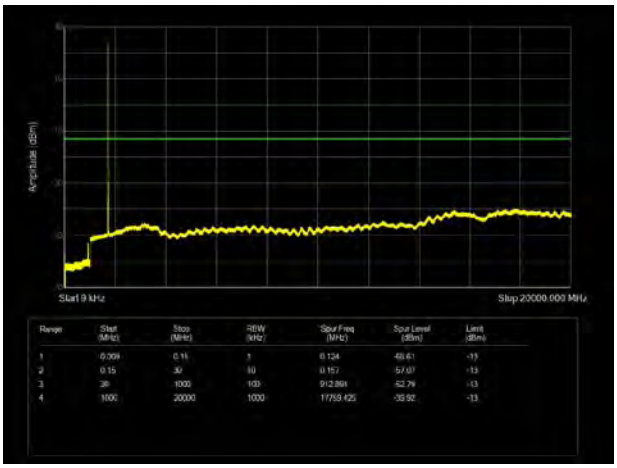
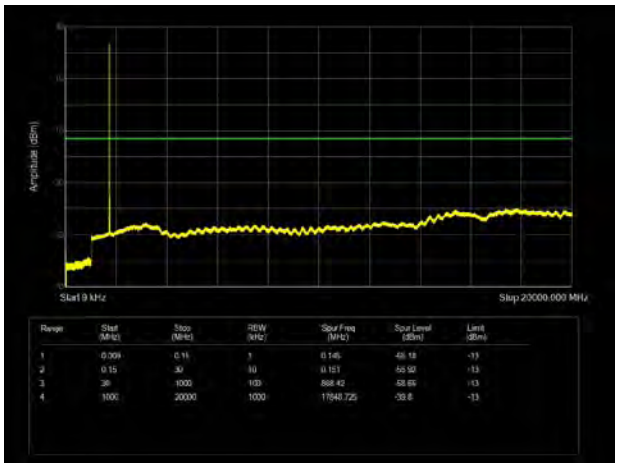
LTE Band 4 15MHz CH- Low 9kHz~20GHz



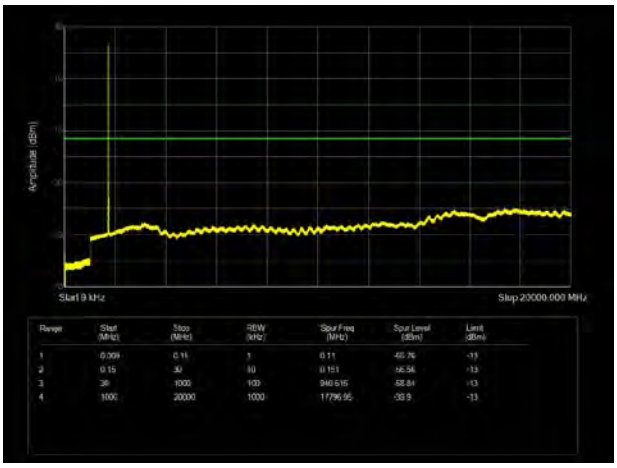
LTE Band 4 20MHz CH-Low 9kHz~20GHz



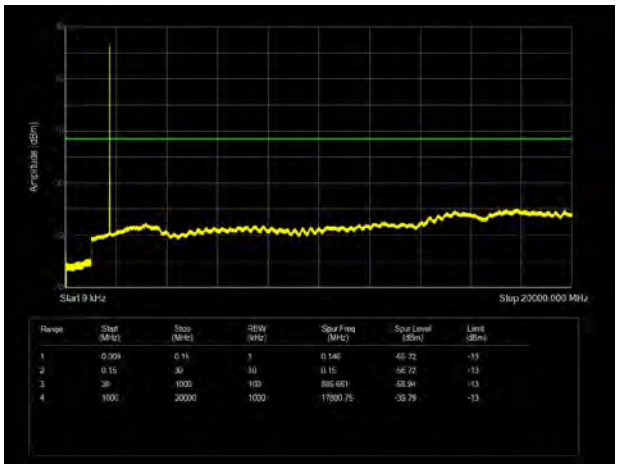
LTE Band 4 15MHz CH- Middle 9kHz~20GHz



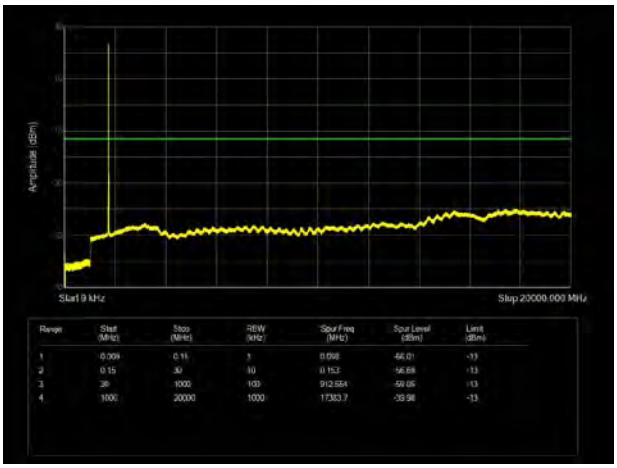
LTE Band 4 20MHz CH- Middle 9kHz~20GHz



LTE Band 4 15MHz CH-High 9kHz~20GHz



LTE Band 4 20MHz CH- High 9kHz~20GHz



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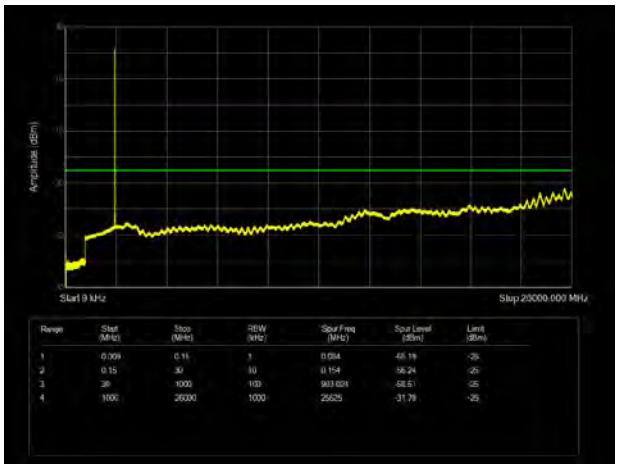
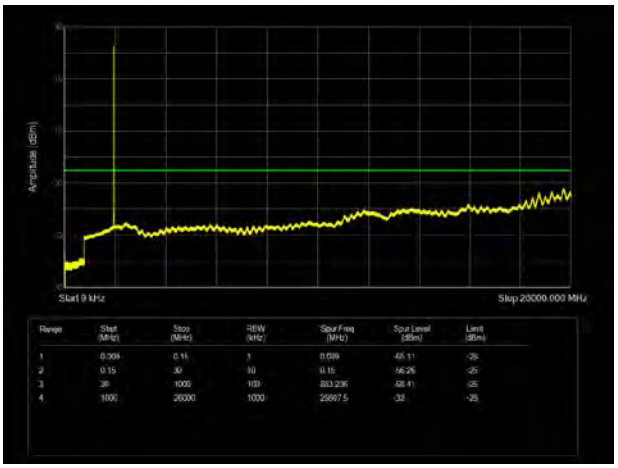
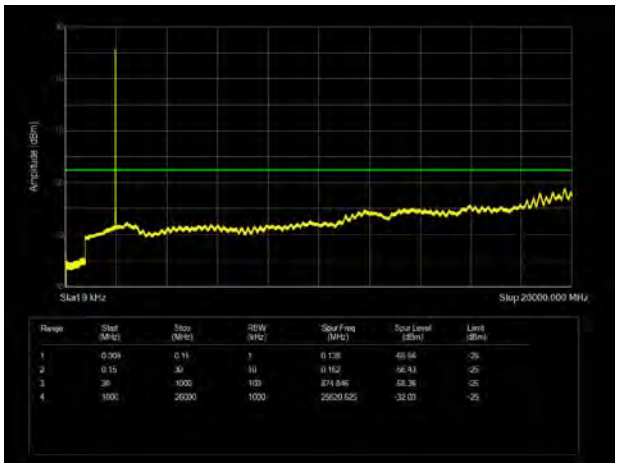
LTE Band 7 5MHz CH- Low 9kHz~26GHz



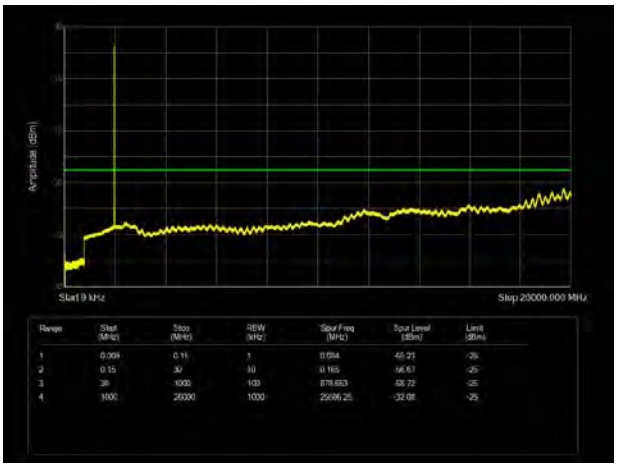
LTE Band 7 10MHz CH-Low 9kHz~26GHz



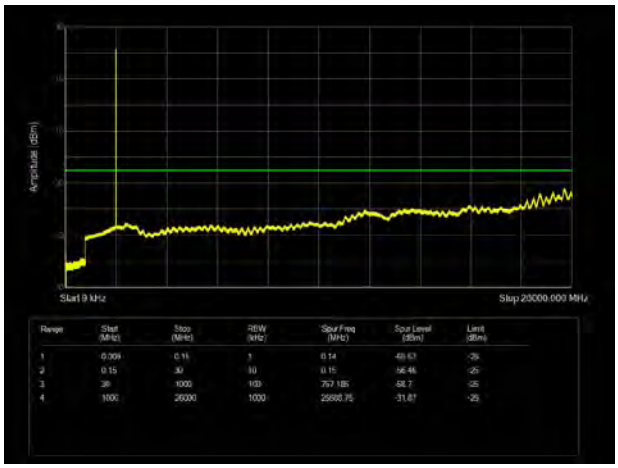
LTE Band 7 5MHz CH- Middle 9kHz~26GHz



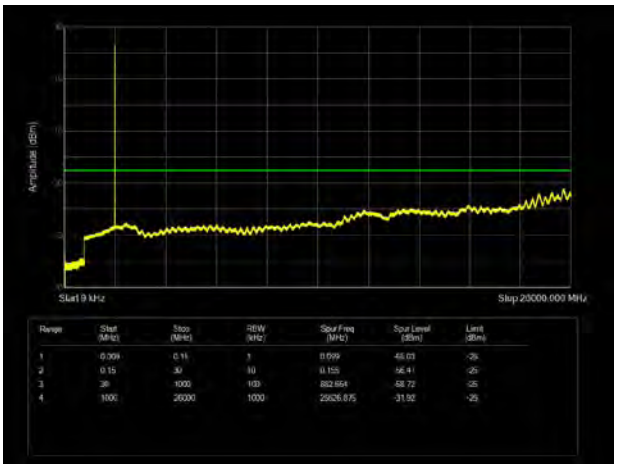
LTE Band 7 10MHz CH- Middle 9kHz~26GHz



LTE Band 7 5MHz CH-High 9kHz~26GHz



LTE Band 7 10MHz CH- High 9kHz~26GHz



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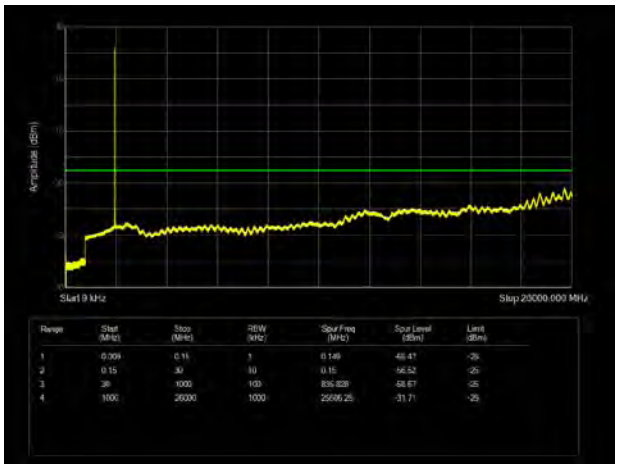
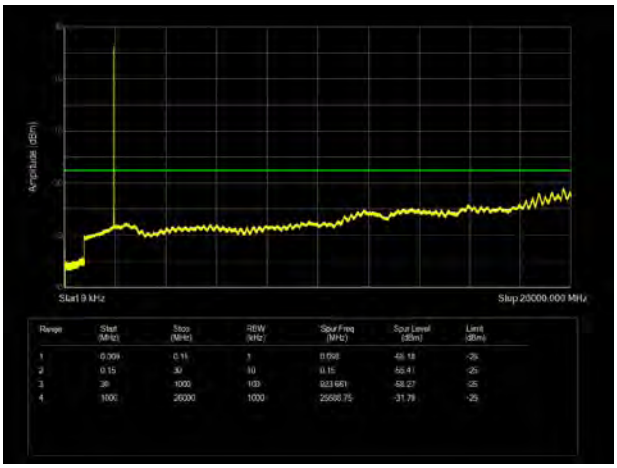
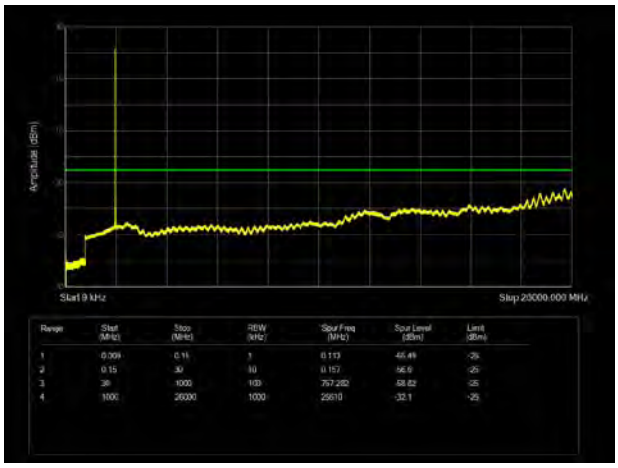
LTE Band 7 15MHz CH- Low 9kHz~26GHz



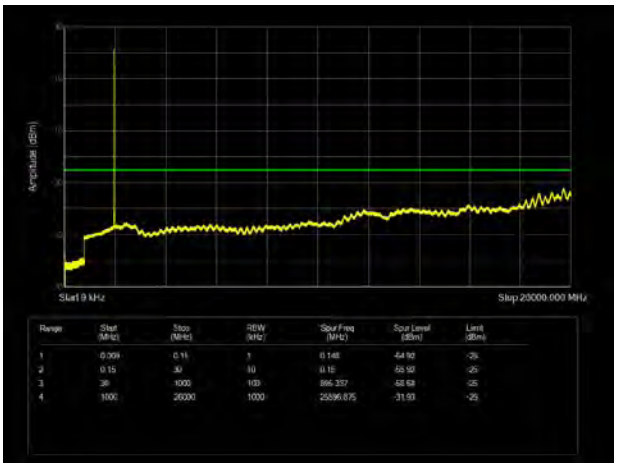
LTE Band 7 20MHz CH-Low 9kHz~26GHz



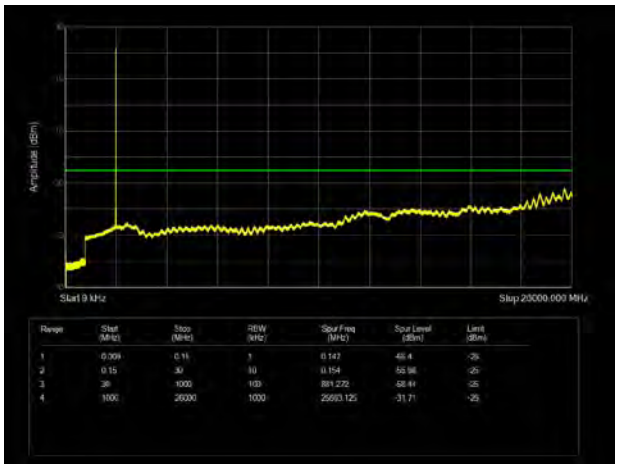
LTE Band 7 15MHz CH- Middle 9kHz~26GHz



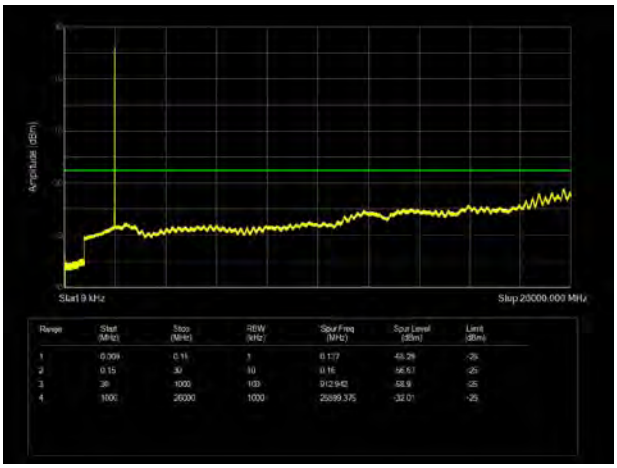
LTE Band 7 20MHz CH- Middle 9kHz~26GHz



LTE Band 7 15MHz CH-High 9kHz~26GHz



LTE Band 7 20MHz CH- High 9kHz~26GHz



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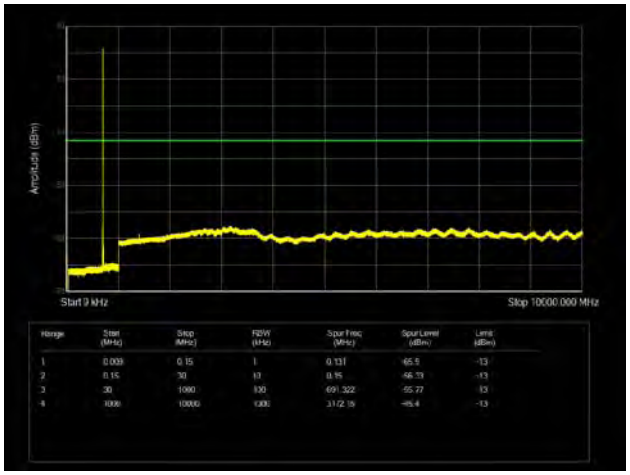
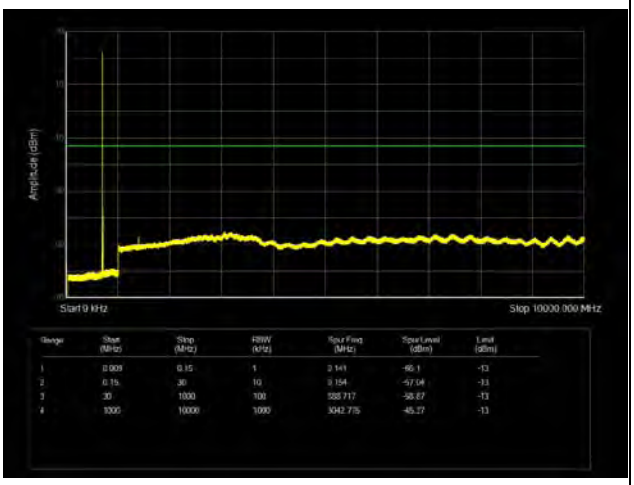
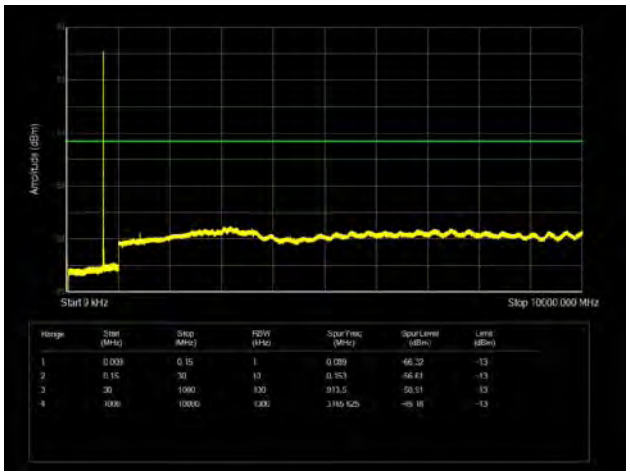
LTE Band 12 1.4MHz CH-Low 9kHz ~10GHz



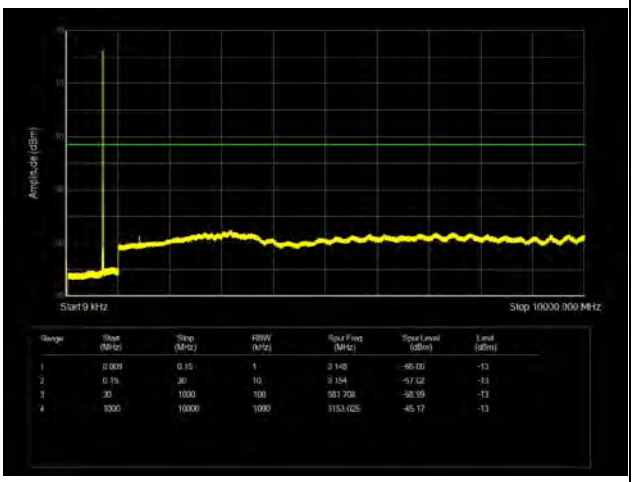
LTE Band 12 3MHz CH-Low 9kHz ~10GHz



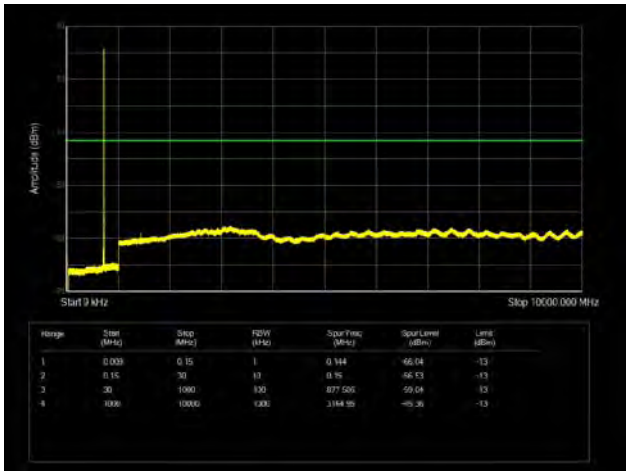
LTE Band 12 1.4MHz CH- Middle 9kHz ~10GHz



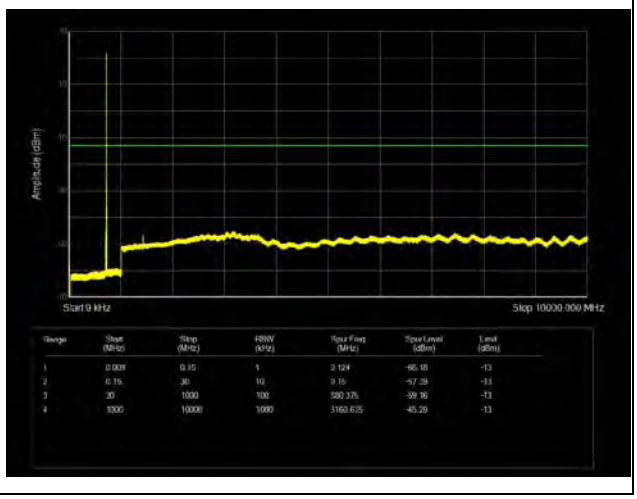
LTE Band 12 3MHz CH- Middle 9kHz ~10GHz



LTE Band 12 1.4MHz CH-High 9kHz ~10GHz



LTE Band 12 3MHz CH-High 9kHz ~10GHz



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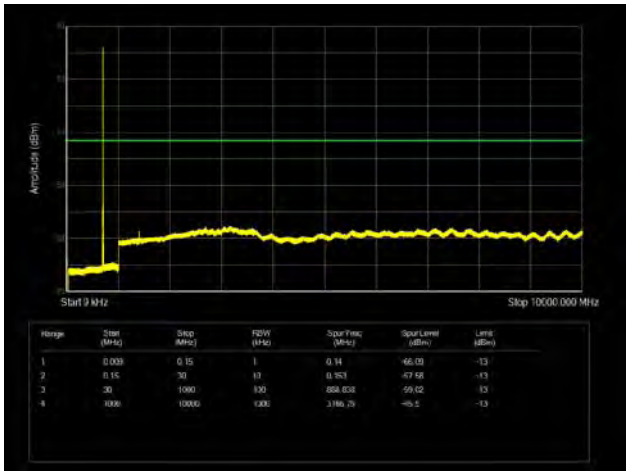
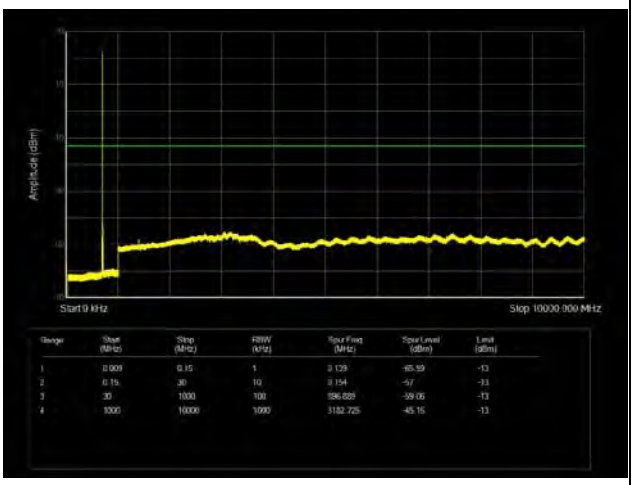
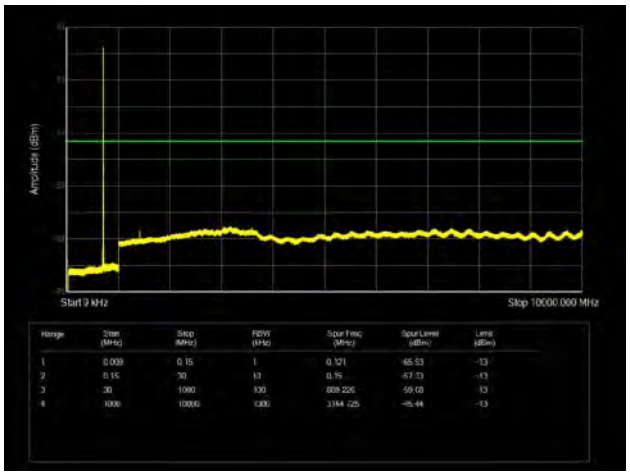
LTE Band 12 5MHz CH-Low 9kHz ~10GHz



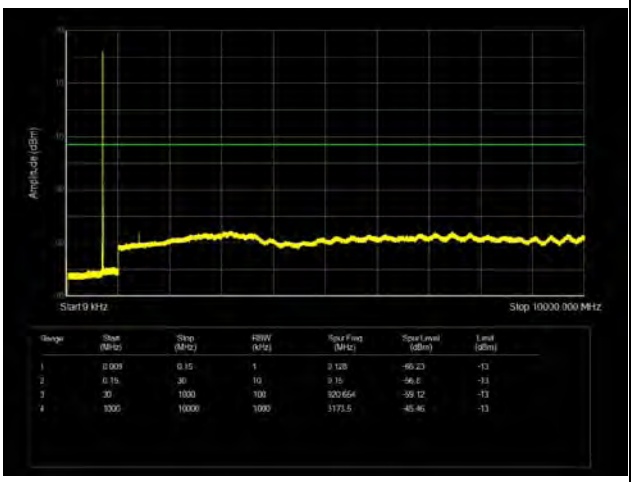
LTE Band 12 10MHz CH-Low 9kHz ~10GHz



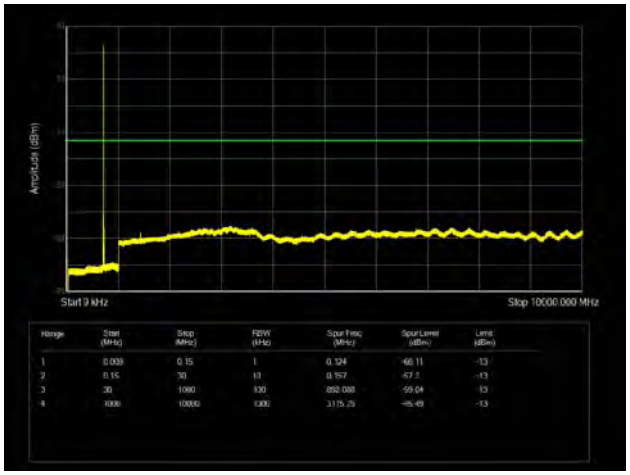
LTE Band 12 5MHz CH- Middle 9kHz ~10GHz



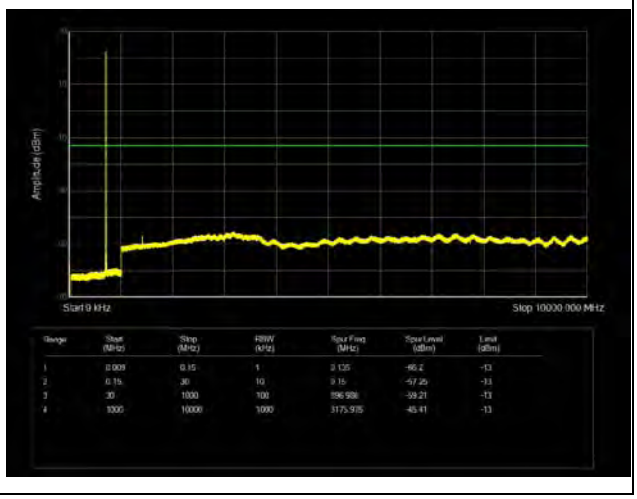
LTE Band 12 10MHz CH- Middle 9kHz ~10GHz



LTE Band 12 5MHz CH-High 9kHz ~10GHz



LTE Band 12 10MHz CH-High 9kHz ~10GHz



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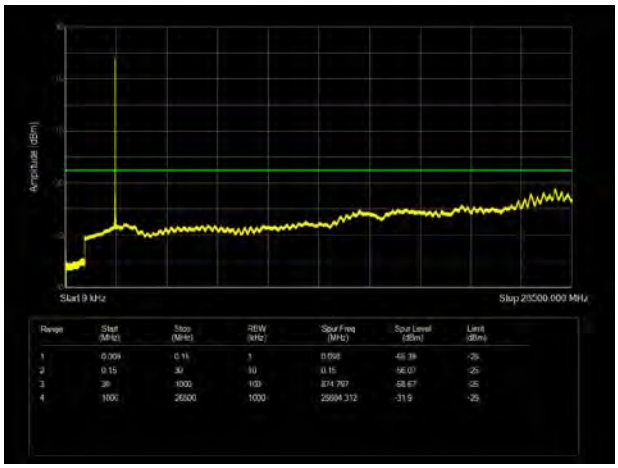
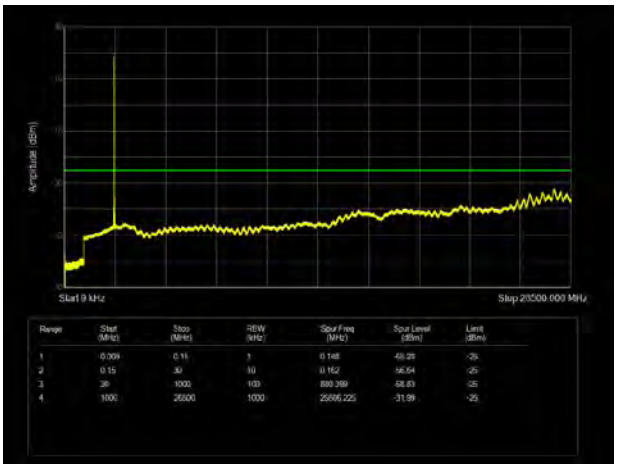
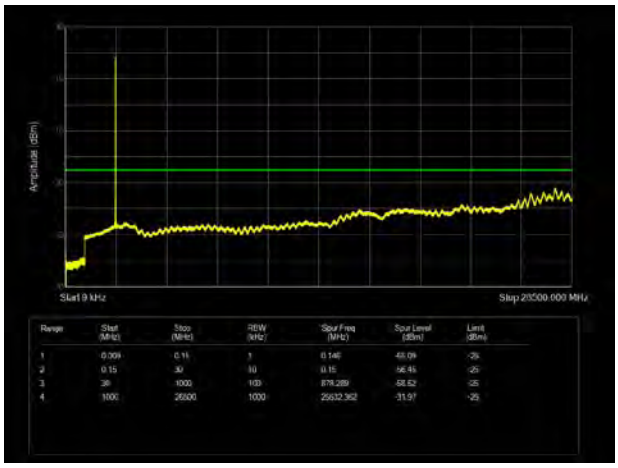
LTE Band 38 5MHz CH-Low 9kHz~26.5GHz



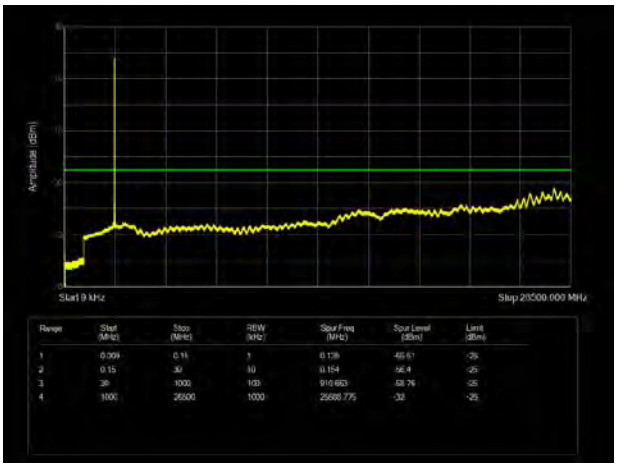
LTE Band 38 10MHz CH- Low 9kHz~26.5GHz



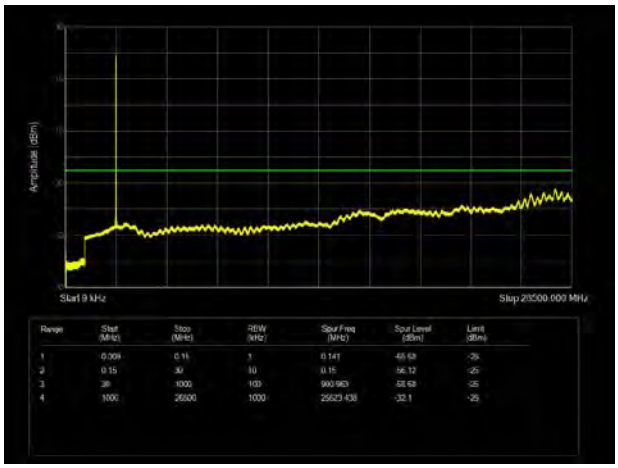
LTE Band 38 5MHz CH- Middle 9kHz~26.5GHz



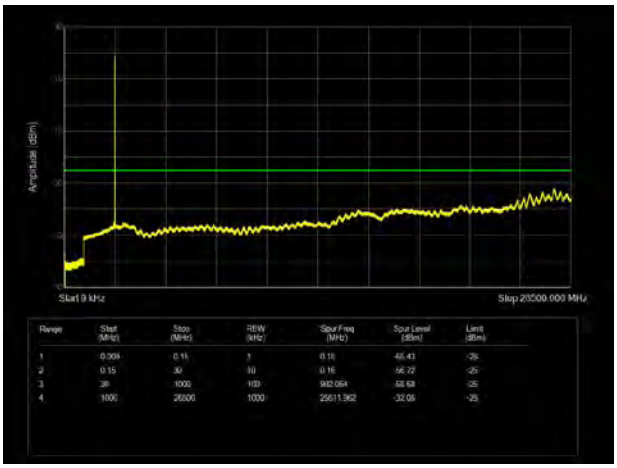
LTE Band 38 10MHz CH- Middle 9kHz~26.5GHz



LTE Band 38 5MHz CH- High 9kHz~26.5GHz



LTE Band 38 10MHz CH-High 9kHz~26.5GHz



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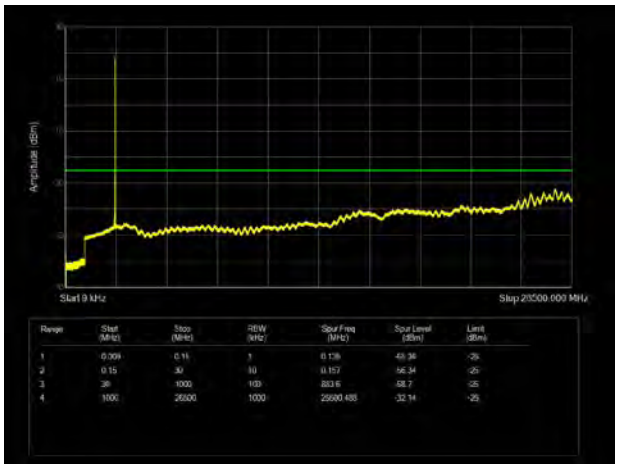
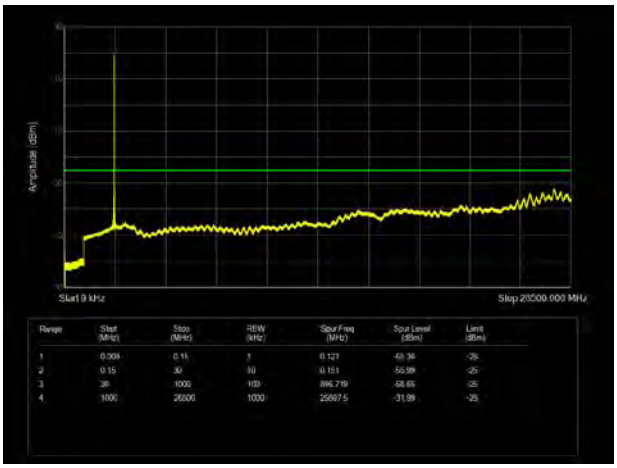
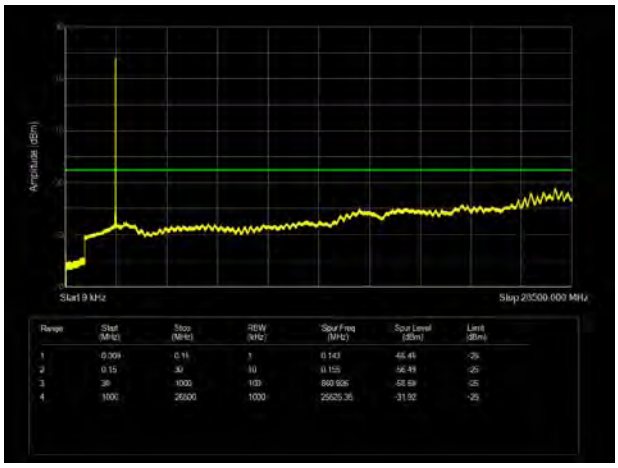
LTE Band 38 15MHz CH- Low 9kHz~26.5GHz



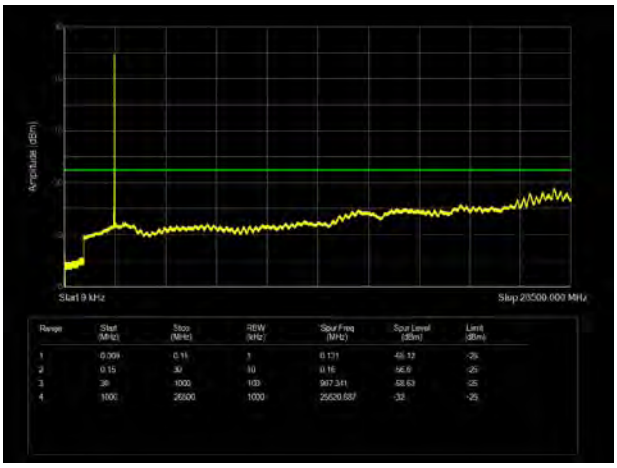
LTE Band 38 20MHz CH-Low 9kHz~26.5GHz



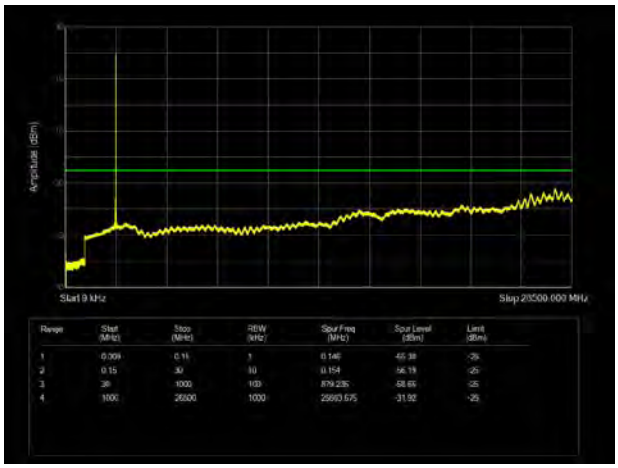
LTE Band 38 15MHz CH- Middle 9kHz~26.5GHz



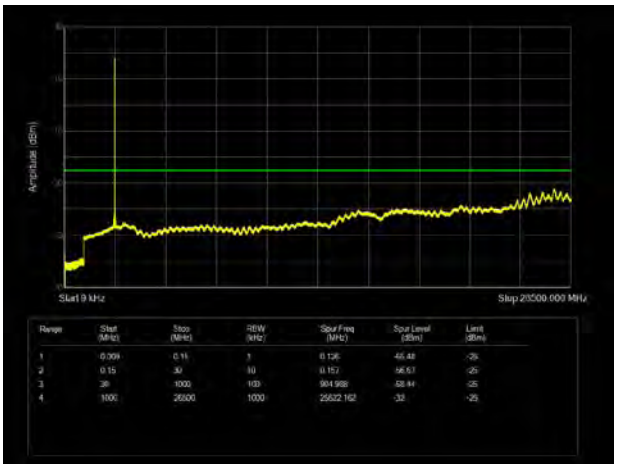
LTE Band 38 20MHz CH- Middle 9kHz~26.5GHz



LTE Band 3815MHz CH-High 9kHz~26.5GHz



LTE Band 38 20MHz CH- High 9kHz~26.5GHz



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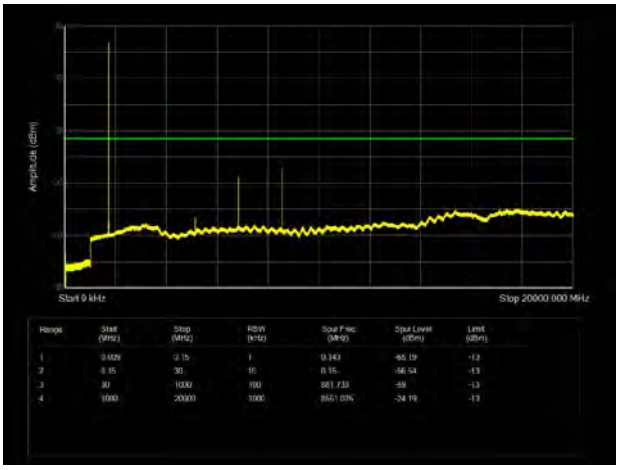
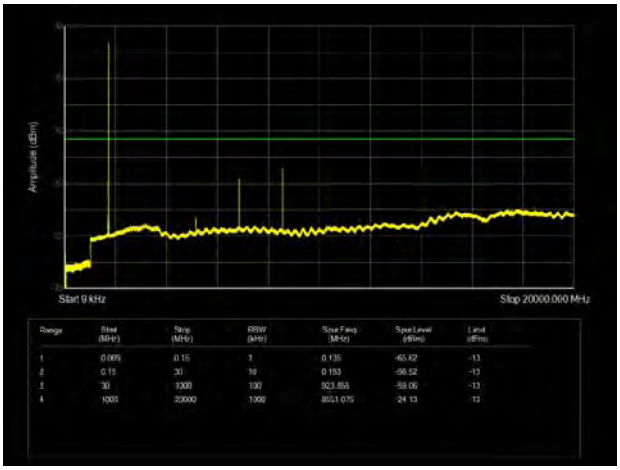
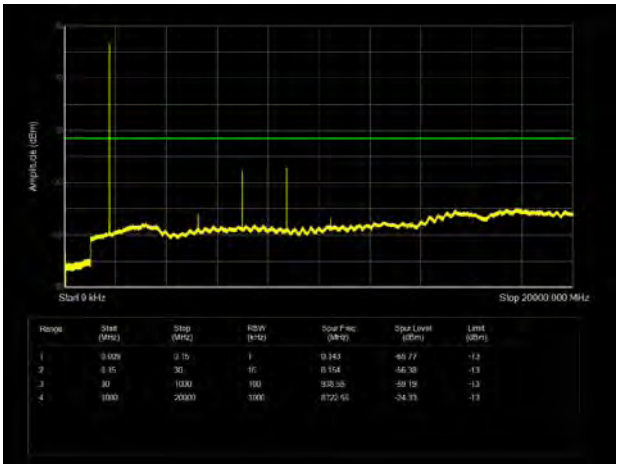
LTE Band 66 1.4MHz CH-Low 9kHz ~20GHz



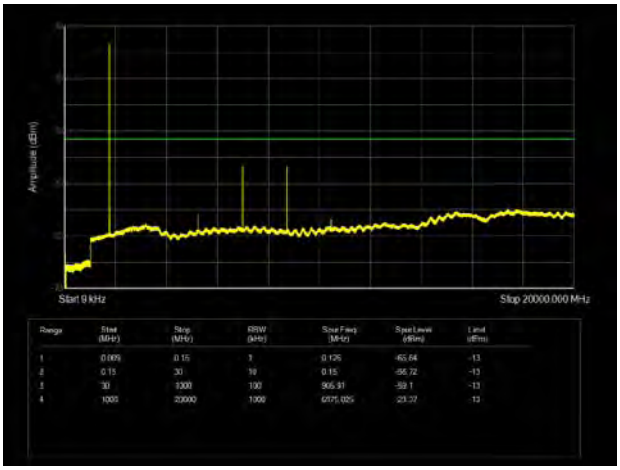
LTE Band 66 3MHz CH-Low 9kHz ~20GHz



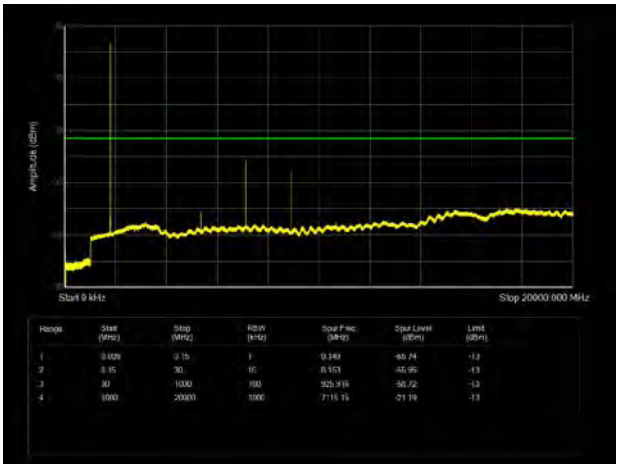
LTE Band 66 1.4MHz CH-Middle 9kHz ~20GHz



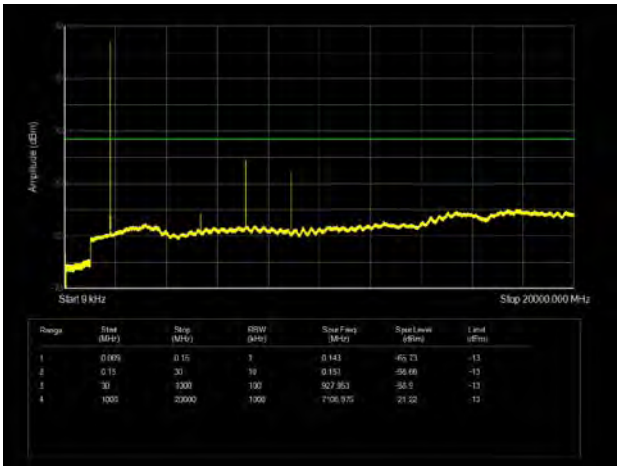
LTE Band 66 3MHz CH-Middle 9kHz ~20GHz



LTE Band 66 1.4MHz CH-High 9kHz ~20GHz



LTE Band 66 3MHz CH-High 9kHz ~20GHz



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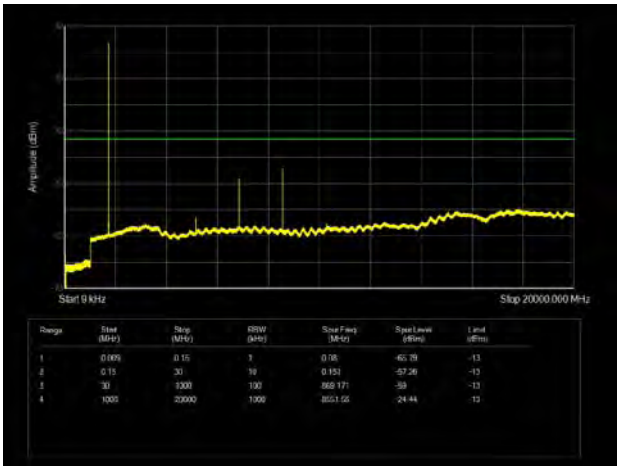
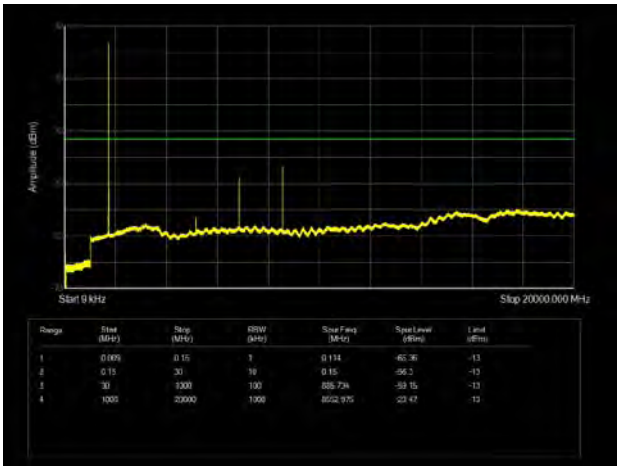
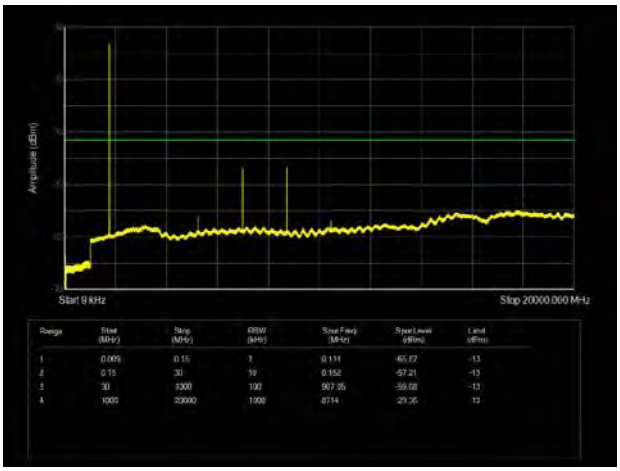
LTE Band 66 5MHz CH-Low 9kHz ~20GHz



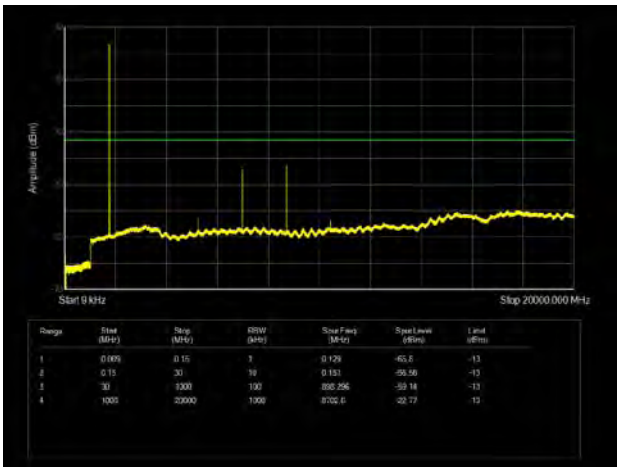
LTE Band 66 10MHz CH-Low 9kHz ~20GHz



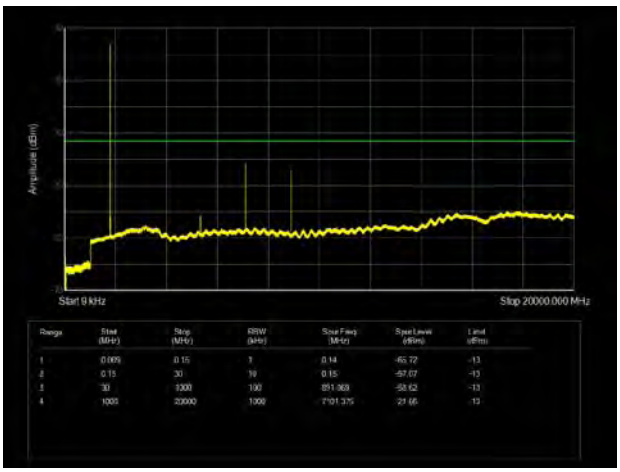
LTE Band 66 5MHz CH-Middle 9kHz ~20GHz



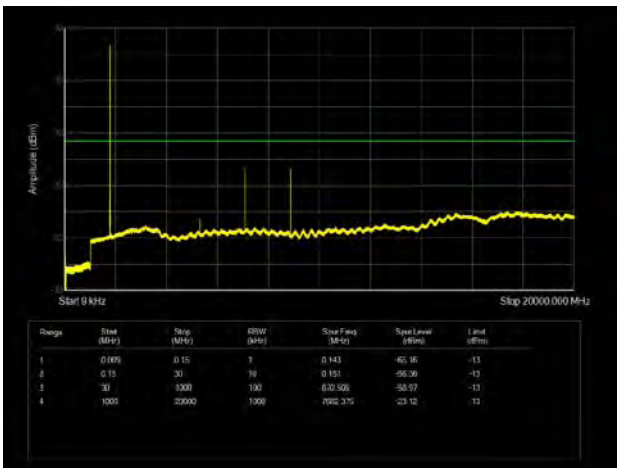
LTE Band 66 10MHz CH-Middle 9kHz ~20GHz



LTE Band 66 5MHz CH-High 9kHz ~20GHz



LTE Band 66 10MHz CH-High 9kHz ~20GHz



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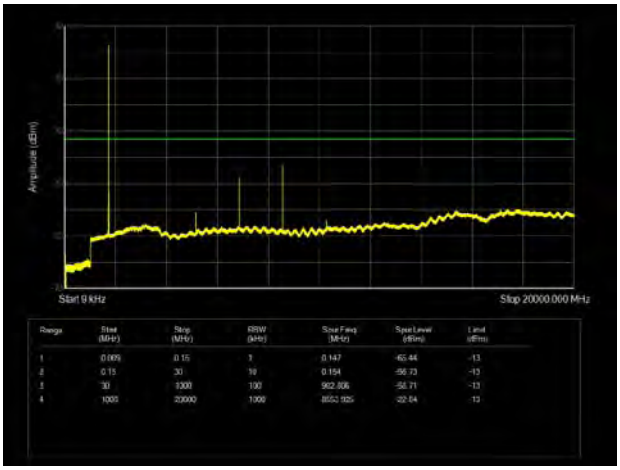
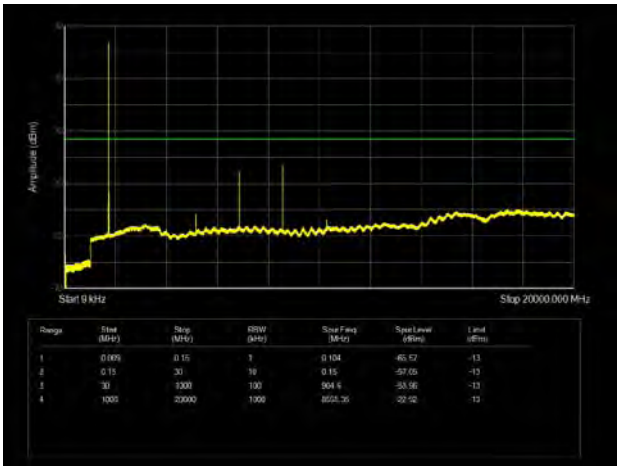
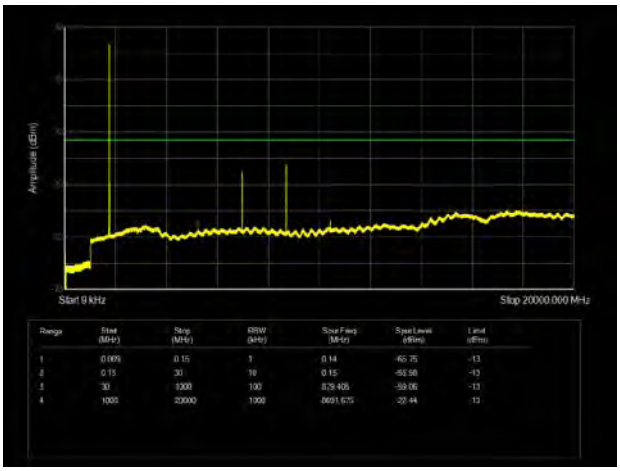
LTE Band 66 15MHz CH-Low 9kHz ~20GHz



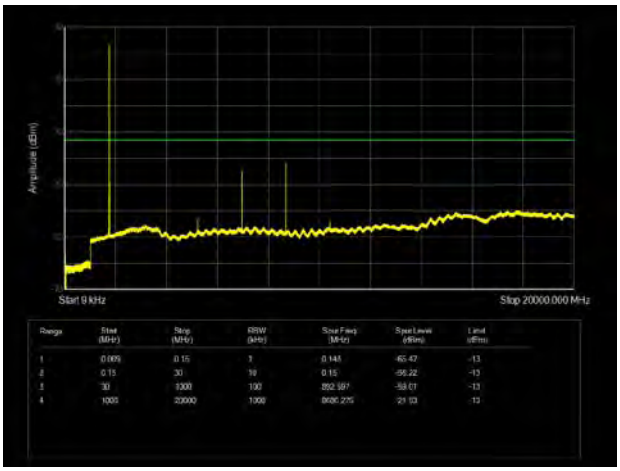
LTE Band 66 20MHz CH-Low 9kHz ~20GHz



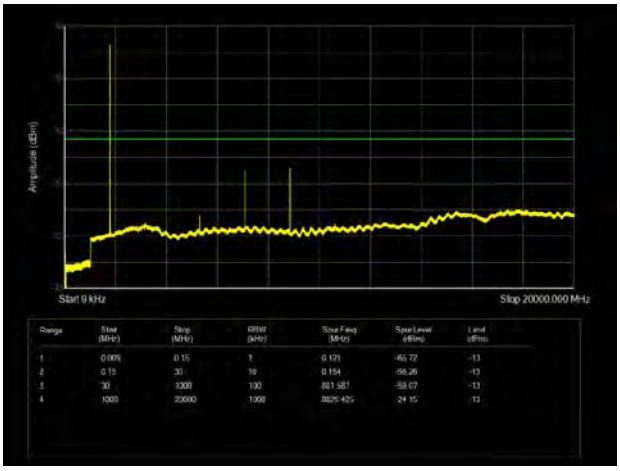
LTE Band 66 15MHz CH-Middle 9kHz ~20GHz



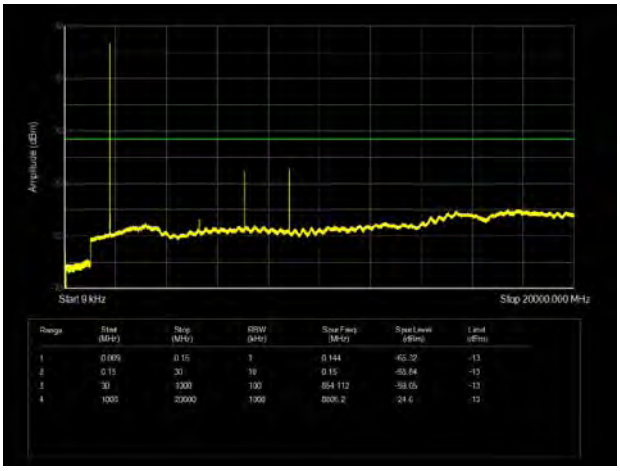
LTE Band 66 20MHz CH-Middle 9kHz ~20GHz



LTE Band 66 15MHz CH-High 9kHz ~20GHz



LTE Band 66 20MHz CH-High 9kHz ~20GHz



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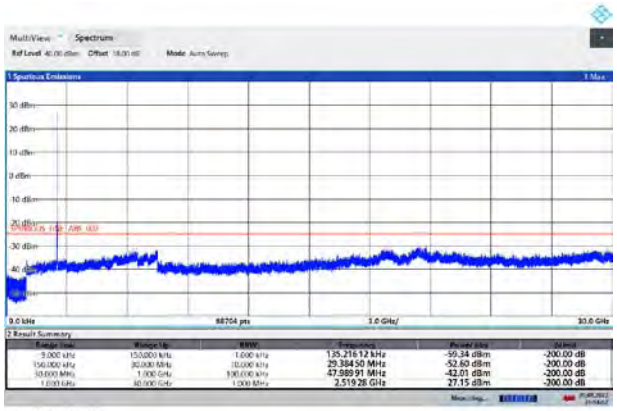
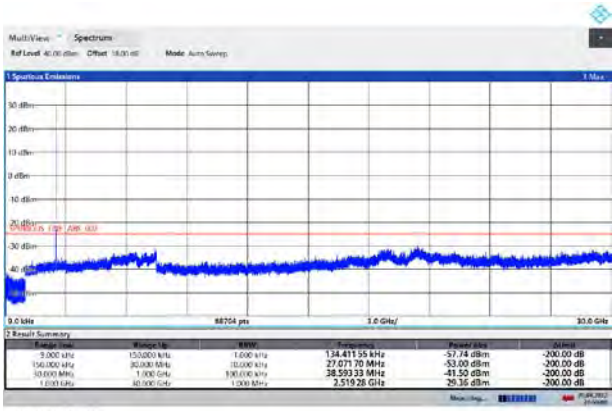
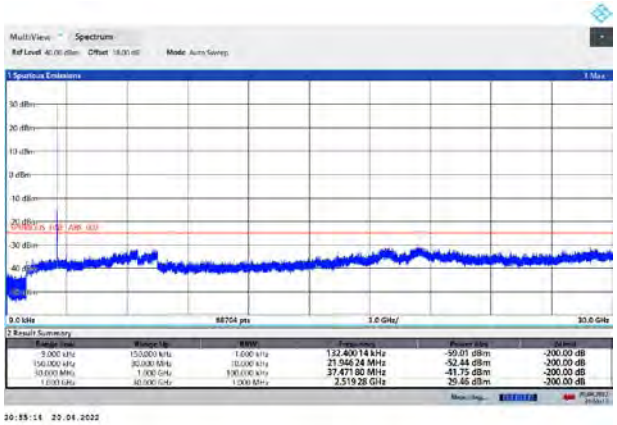
CA_7C QPSK 20MHz+10MHz CH- Low
9kHz~30GHz



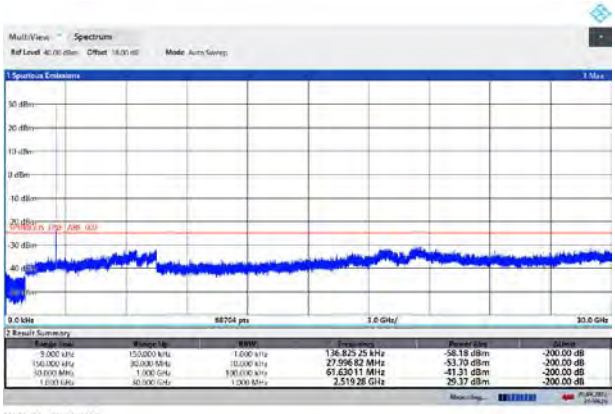
CA_7C QPSK 20MHz+20MHz CH- Low
9kHz~30GHz



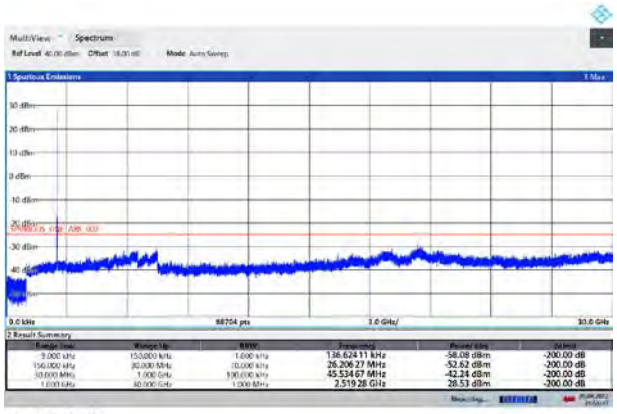
CA_7C 16QAM 20MHz+10MHz CH- Low
9kHz~30GHz



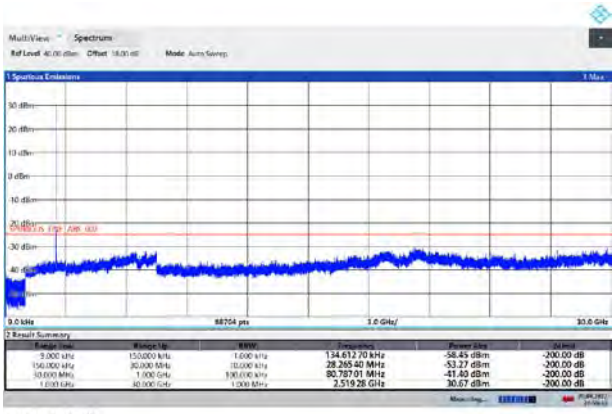
CA_7C 16QAM 20MHz+20MHz CH- Low
9kHz~30GHz



CA_7C 64QAM 20MHz+10MHz CH- Low
9kHz~30GHz



CA_7C 64QAM 20MHz+20MHz CH- Low
9kHz~30GHz



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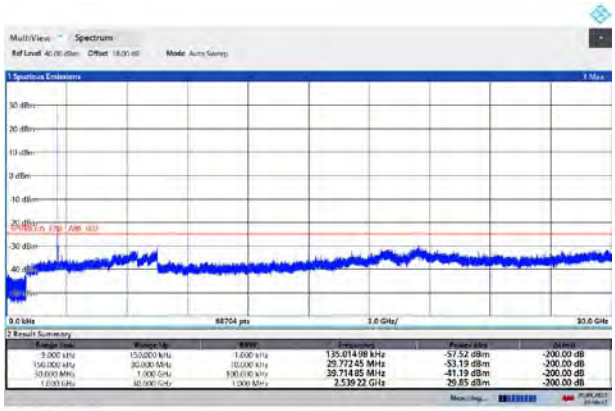
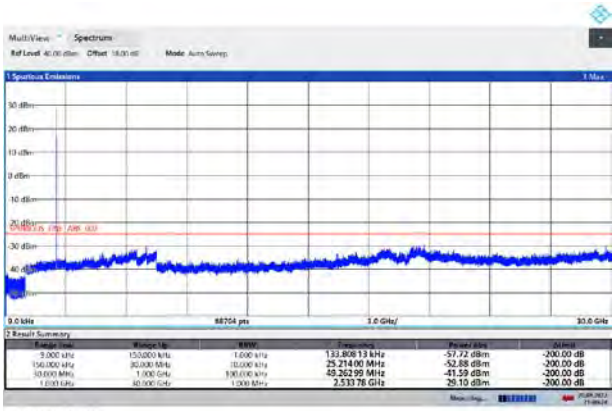
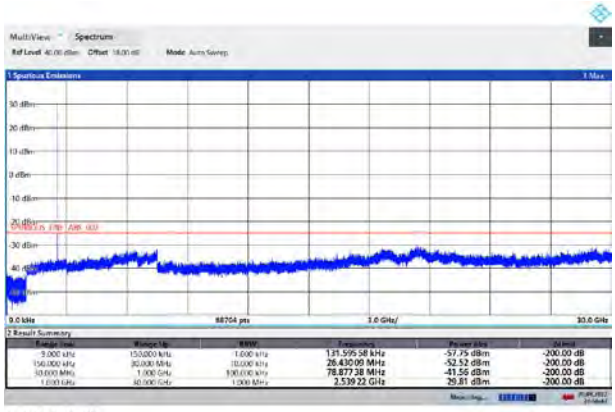
CA_7C QPSK 20MHz+10MHz CH- Middle
9kHz~30GHz



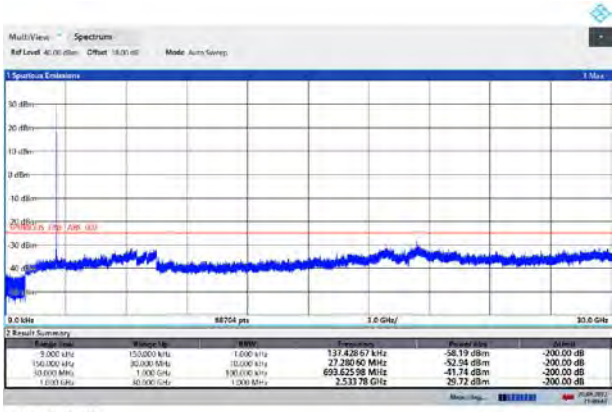
CA_7C QPSK 20MHz+20MHz CH- Middle
9kHz~30GHz



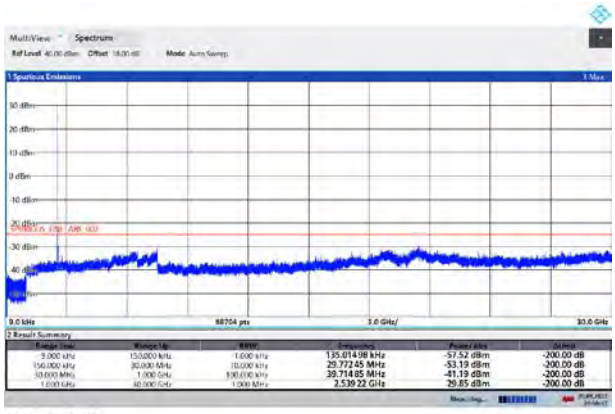
CA_7C 16QAM 20MHz+10MHz CH- Middle
9kHz~30GHz



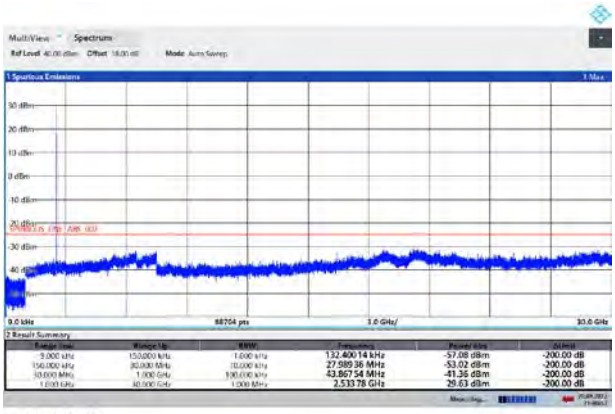
CA_7C 16QAM 20MHz+20MHz CH- Middle
9kHz~30GHz



CA_7C 64QAM 20MHz+10MHz CH- Middle
9kHz~30GHz



CA_7C 64QAM 20MHz+20MHz CH- Middle
9kHz~30GHz



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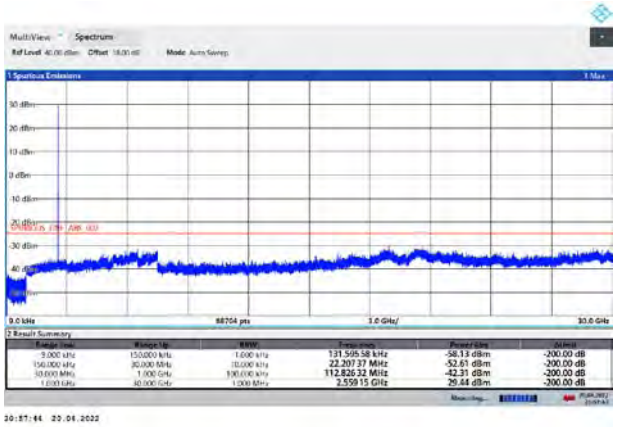
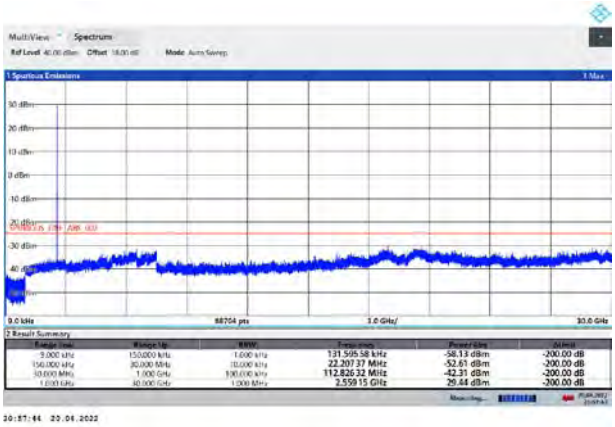
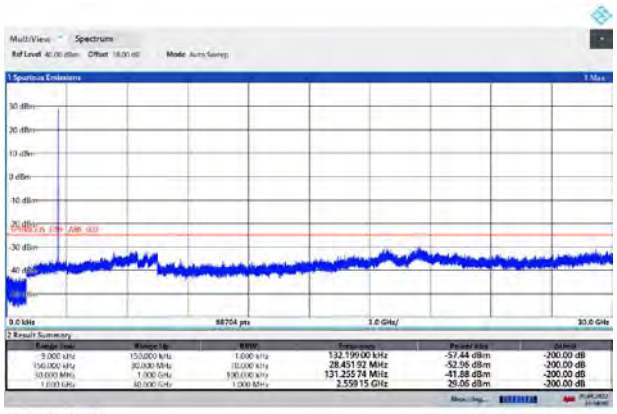
CA_7C QPSK 20MHz+10MHz CH- High
9kHz~30GHz



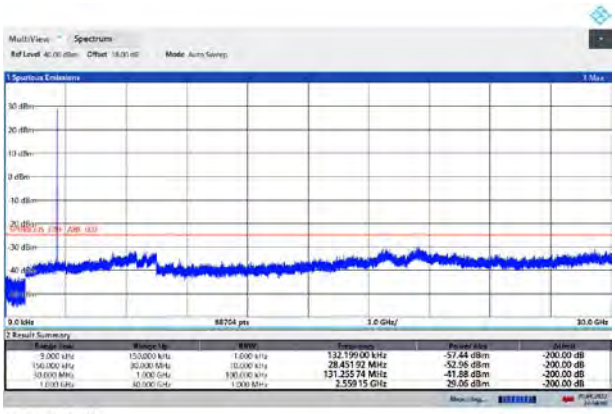
CA_7C QPSK 20MHz+20MHz CH- High
9kHz~30GHz



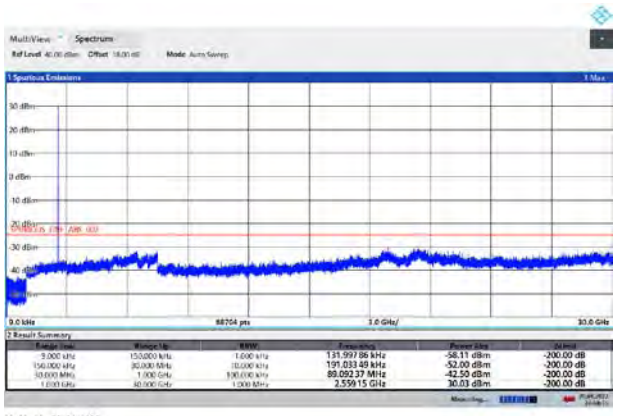
CA_7C 16QAM 20MHz+5MHz CH- High
9kHz~30GHz



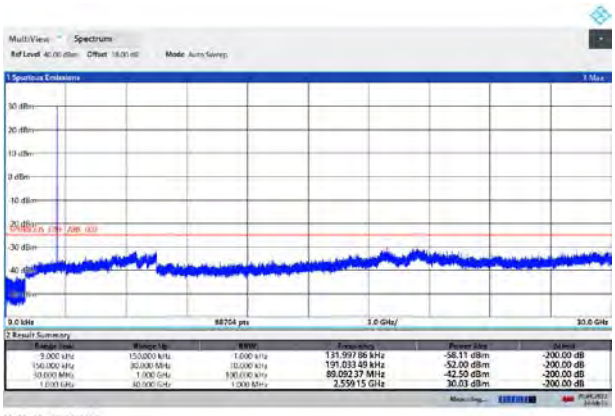
CA_7C 16QAM 20MHz+20MHz CH- High
9kHz~30GHz



CA_7C 64QAM 20MHz+5MHz CH- High
9kHz~30GHz



CA_7C 64QAM 20MHz+20MHz CH- High
9kHz~30GHz



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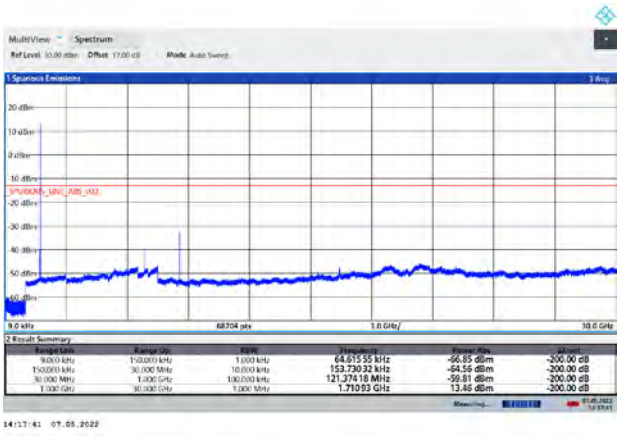
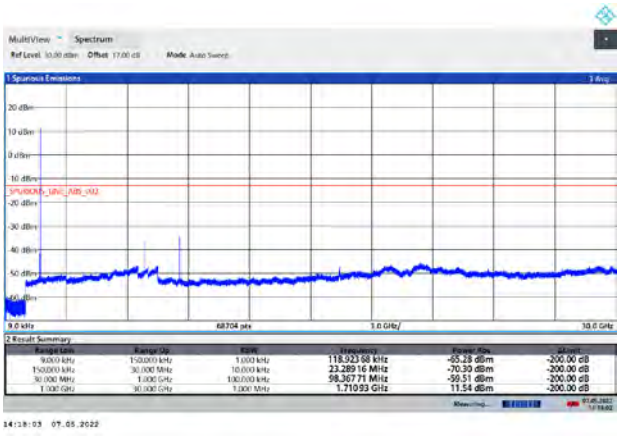
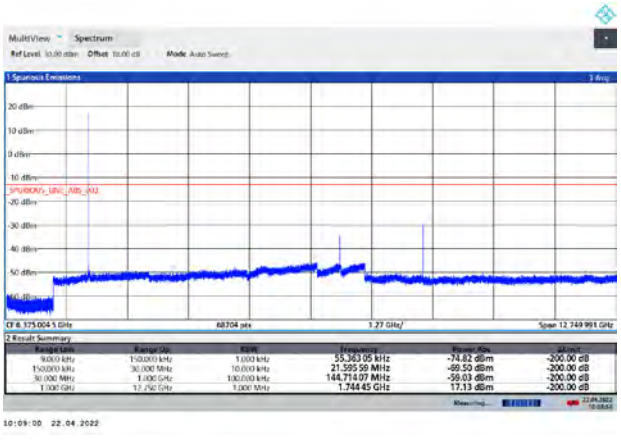
NR n66 P1/2 BPSK 30MHz CH-Low 9kHz~30GHz



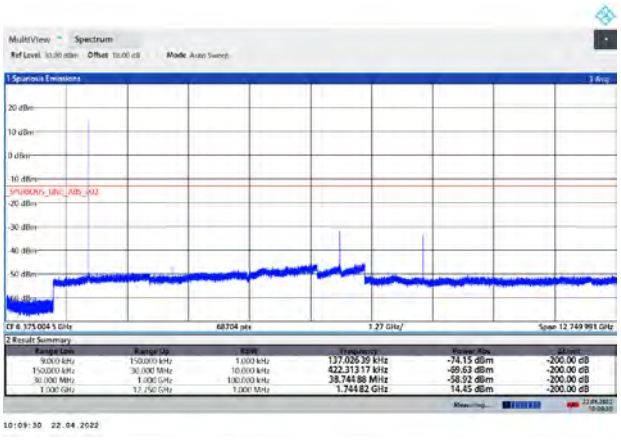
NR n66 QPSK 30MHz CH-Low 9kHz~30GHz



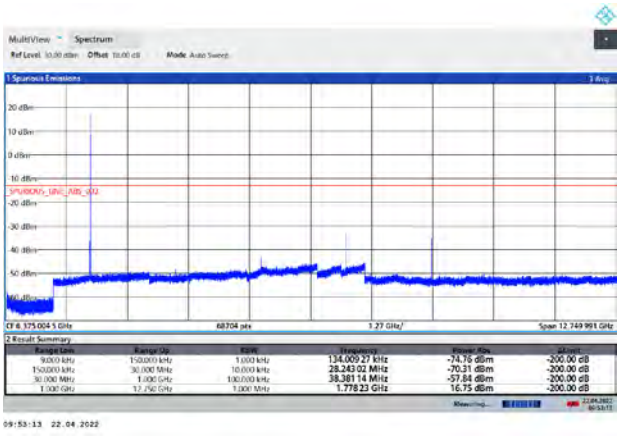
NR n66 P1/2 BPSK 30MHz CH-Middle 9kHz~30GHz



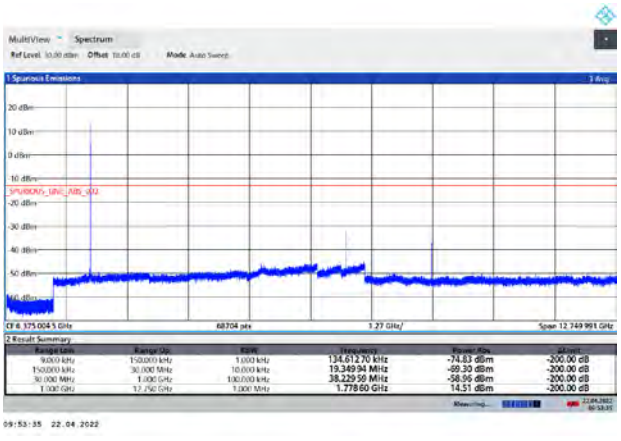
NR n66 QPSK 30MHz CH-Middle 9kHz~30GHz



NR n66 P1/2 BPSK 30MHz CH-High 9kHz~30GHz



NR n66 QPSK 30MHz CH-High 9kHz~30GHz



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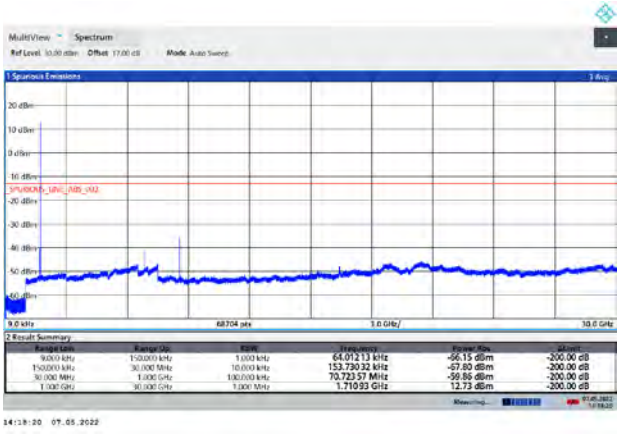
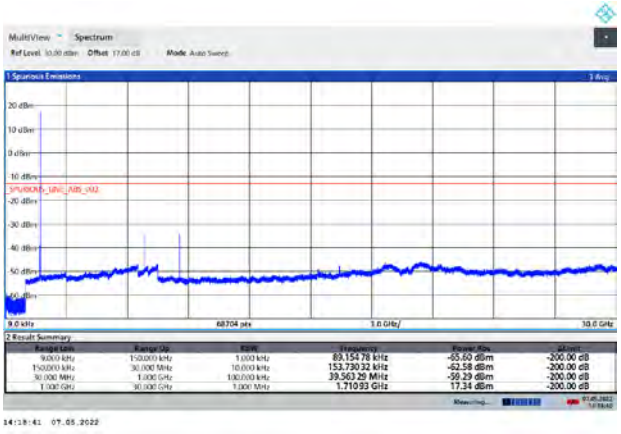
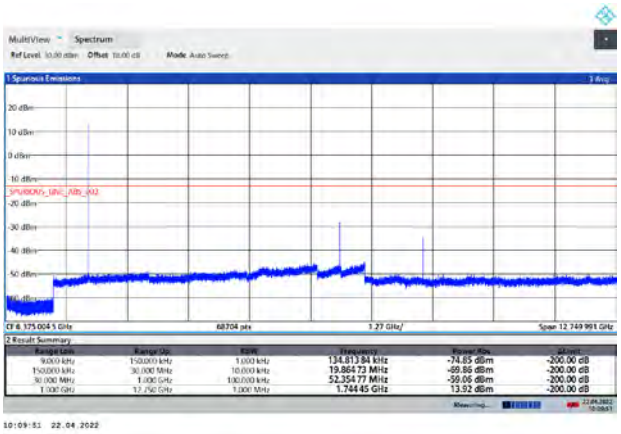
NR n66 16QAM 30MHz CH-Low 9kHz~30GHz



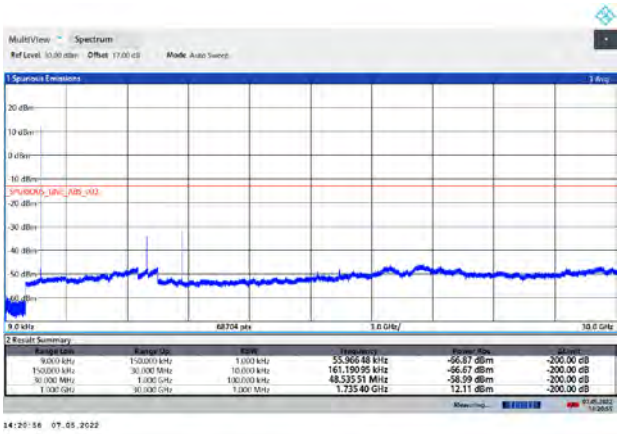
NR n66 64QAM 30MHz CH-Low 9kHz~30GHz



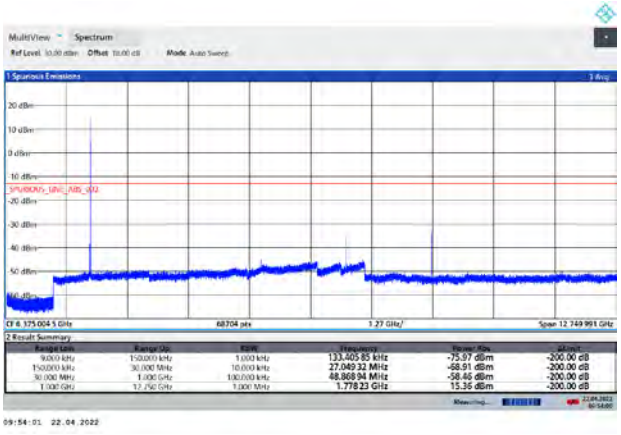
NR n66 16QAM 30MHz CH-Middle 9kHz~30GHz



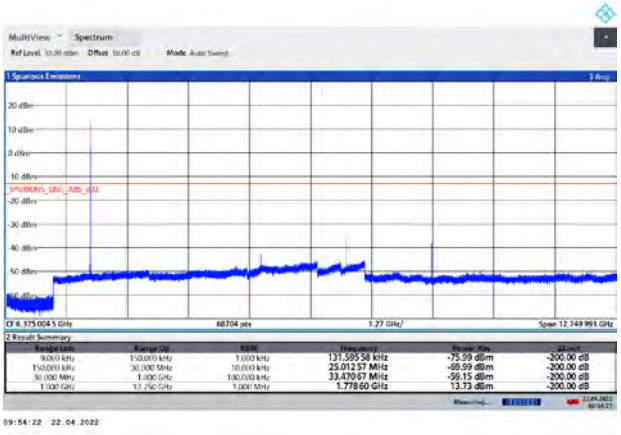
NR n66 64QAM 30MHz CH-Middle 9kHz~30GHz



NR n66 16QAM 30MHz CH-High 9kHz~30GHz



NR n66 64QAM 30MHz CH-High 9kHz~30GHz



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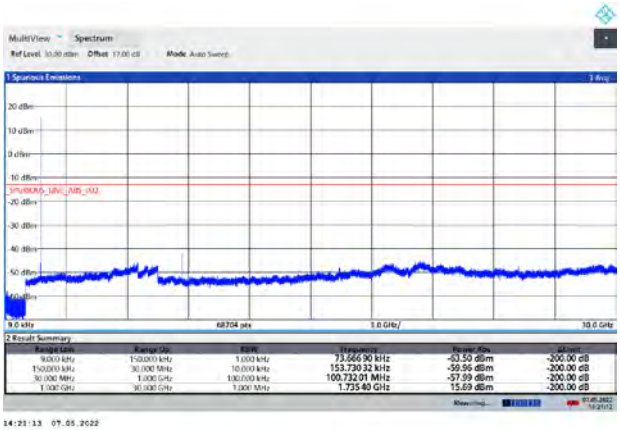
NR n66 256QAM 30MHz CH-Low 9kHz~30GHz

NR n66 256QAM 30MHz CH-Middle 9kHz~30GHz



NR n66 256QAM 30MHz CH-High 9kHz~30GHz

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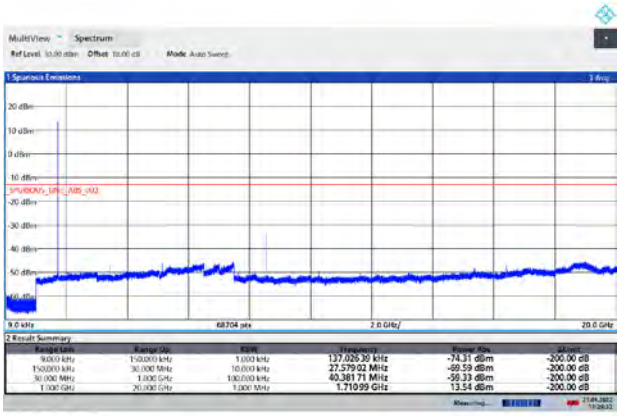
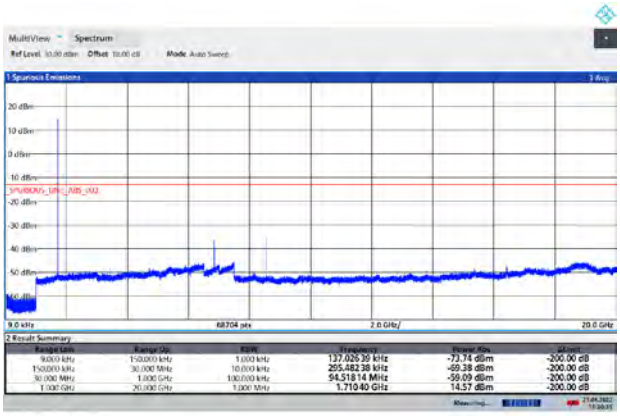
DC_5A-n66A P1/2 BPSK 30MHz CH-Low
9kHz~30GHz

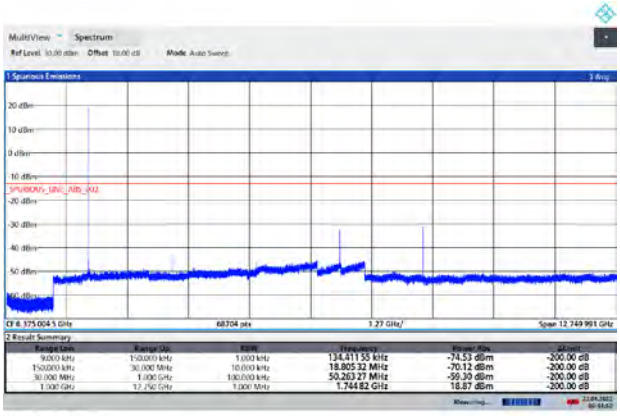


DC_5A-n66A QPSK 30MHz CH-Low
9kHz~30GHz

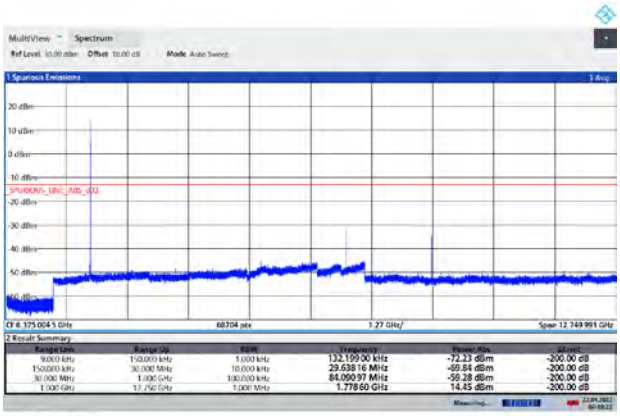


DC_5A-n66A P1/2 BPSK 30MHz CH-Middle
9kHz~30GHz

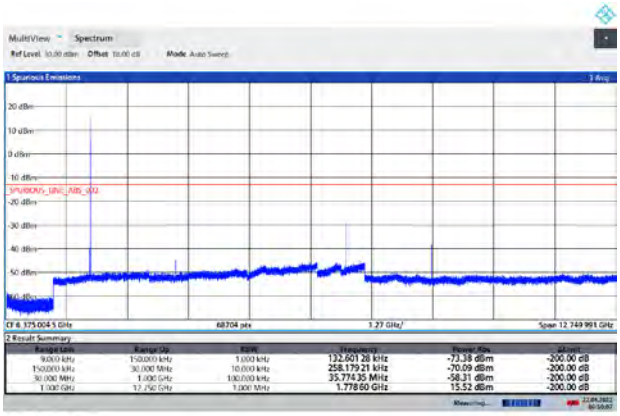
DC_5A-n66A QPSK 30MHz CH-Middle
9kHz~30GHz



DC_5A-n66A P1/2 BPSK 30MHz CH-High
9kHz~30GHz



DC_5A-n66A QPSK 30MHz CH-High
9kHz~30GHz



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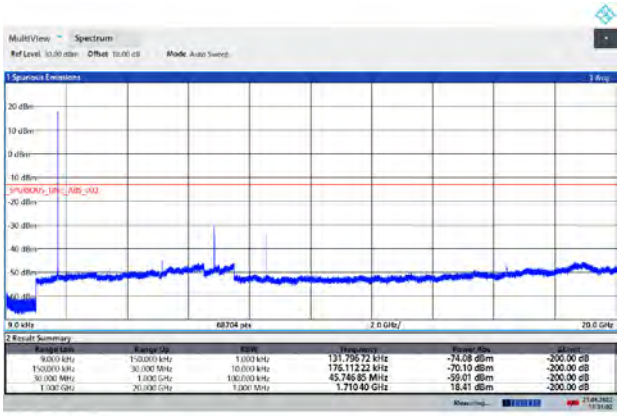
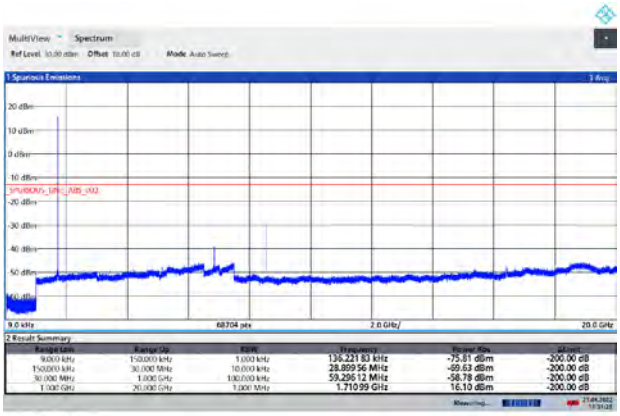
DC_5A-n66A 16QAM 30MHz CH-Low
9kHz~30GHz

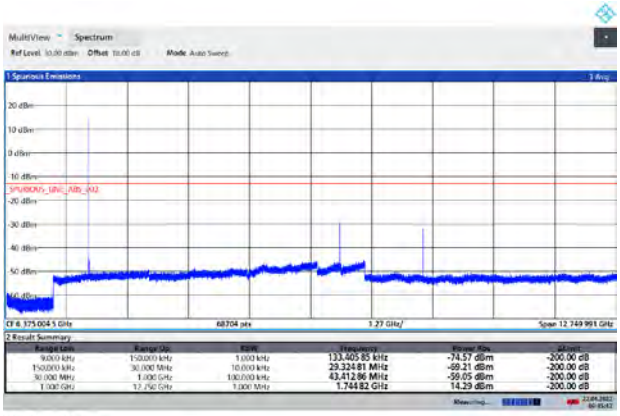


DC_5A-n66A 64QAM 30MHz CH-Low
9kHz~30GHz

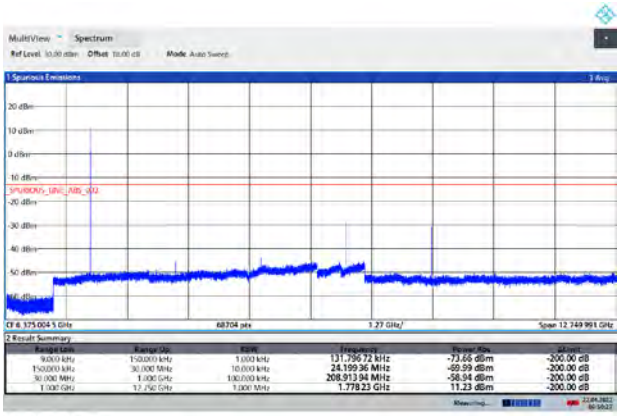


DC_5A-n66A 16QAM 30MHz CH-Middle
9kHz~30GHz

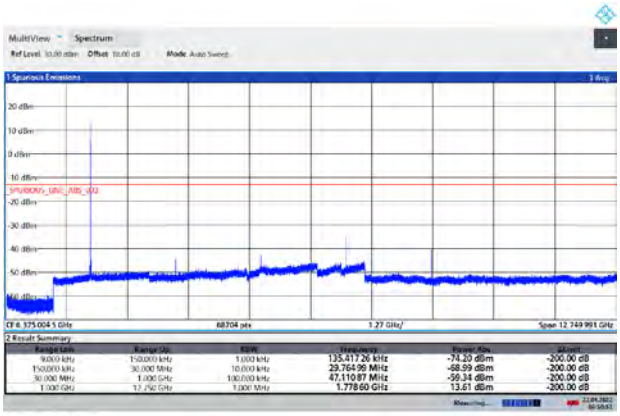
DC_5A-n66A 64QAM 30MHz CH-Middle
9kHz~30GHz



DC_5A-n66A 16QAM 30MHz CH-High
9kHz~30GHz



DC_5A-n66A 64QAM 30MHz CH-High
9kHz~30GHz



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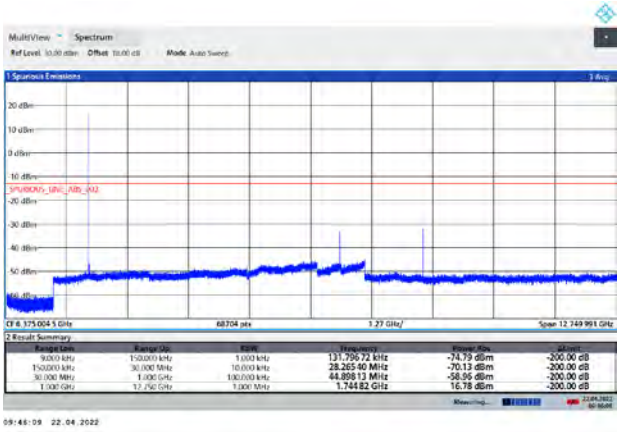
DC_5A-n66A 256QAM 30MHz CH-Low
9kHz~30GHz

DC_5A-n66A 256QAM 30MHz CH-Middle
9kHz~30GHz



DC_5A-n66A 256QAM 30MHz CH-High
9kHz~30GHz

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6.7 Radiates Spurious Emission

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

During the test, preliminary tests were performed allAntenna, and the Main Antenna was selected as the worst case. Worst-case test data is documented in this report.

LTE Band 4 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3464.25	-64.85	2.70	12.70	Vertical	-54.85	-13.00	41.85	135
3	5197.50	-51.46	3.20	12.50	Vertical	-42.16	-13.00	29.16	225
4	6930.00	-61.84	4.20	11.80	Vertical	-54.24	-13.00	41.24	90
5	8662.50	-55.65	4.40	12.50	Vertical	-47.55	-13.00	34.55	180
6	10395.00	-50.01	4.70	11.30	Vertical	-43.41	-13.00	30.41	45
7	12127.50	-51.63	5.20	13.80	Vertical	-43.03	-13.00	30.03	0
8	13860.00	-49.56	5.70	11.30	Vertical	-43.96	-13.00	30.96	315
9	15592.50	-52.97	6.10	16.80	Vertical	-42.27	-13.00	29.27	180
10	17325.00	-47.46	6.10	14.20	Vertical	-39.36	-13.00	26.36	225
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 4 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3460.50	-54.84	2.70	12.70	Vertical	-44.84	-13.00	31.84	180
3	5191.50	-39.42	3.20	12.50	Vertical	-30.12	-13.00	17.12	90
4	6930.00	-61.36	4.20	11.80	Vertical	-53.76	-13.00	40.76	225
5	8662.50	-55.36	4.40	12.50	Vertical	-47.26	-13.00	34.26	270
6	10395.00	-49.74	4.70	11.30	Vertical	-43.14	-13.00	30.14	135
7	12127.50	-50.92	5.20	13.80	Vertical	-42.32	-13.00	29.32	0
8	13860.00	-48.87	5.70	11.30	Vertical	-43.27	-13.00	30.27	90
9	15592.50	-52.06	6.10	16.80	Vertical	-41.36	-13.00	28.36	180
10	17325.00	-48.43	6.10	14.20	Vertical	-40.33	-13.00	27.33	45
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

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LTE Band 4 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.00	-57.17	2.70	12.70	Vertical	-47.17	-13.00	34.17	0
3	5170.88	-49.85	3.20	12.50	Vertical	-40.55	-13.00	27.55	225
4	6930.00	-61.71	4.20	11.80	Vertical	-54.11	-13.00	41.11	0
5	8662.50	-55.71	4.40	12.50	Vertical	-47.61	-13.00	34.61	45
6	10395.00	-50.53	4.70	11.30	Vertical	-43.93	-13.00	30.93	315
7	12127.50	-51.81	5.20	13.80	Vertical	-43.21	-13.00	30.21	0
8	13860.00	-49.59	5.70	11.30	Vertical	-43.99	-13.00	30.99	180
9	15592.50	-52.46	6.10	16.80	Vertical	-41.76	-13.00	28.76	225
10	17325.00	-48.75	6.10	14.20	Vertical	-40.65	-13.00	27.65	90
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 7 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5065.80	-47.30	3.40	12.50	Vertical	-38.20	-25.00	13.20	180
3	7598.60	-50.09	4.40	12.20	Vertical	-42.29	-25.00	17.29	225
4	10130.63	-50.91	4.70	11.30	Vertical	-44.31	-25.00	19.31	315
5	12675.00	-51.14	5.40	13.20	Vertical	-43.34	-25.00	18.34	0
6	15210.00	-48.56	6.10	13.10	Vertical	-41.56	-25.00	16.56	45
7	17745.00	-48.37	6.10	14.20	Vertical	-40.27	-25.00	15.27	315
8	20280.00	--	--	--	--	--	--	--	--
9	22815.00	--	--	--	--	--	--	--	--
10	25350.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

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LTE Band 7 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.20	-56.27	3.40	12.50	Vertical	-47.17	-25.00	22.17	315
3	7578.30	-47.70	4.40	12.20	Vertical	-39.90	-25.00	14.90	0
4	10104.40	-50.29	4.70	11.30	Vertical	-43.69	-25.00	18.69	45
5	12630.50	-50.61	5.40	13.20	Vertical	-42.81	-25.00	17.81	225
6	15156.60	-49.27	6.10	13.10	Vertical	-42.27	-25.00	17.27	135
7	17682.70	-48.73	6.10	14.20	Vertical	-40.63	-25.00	15.63	270
8	20208.80	--	--	--	--	--	--	--	--
9	22734.90	--	--	--	--	--	--	--	--
10	25261.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 12 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.00	-56.42	1.70	8.70	Vertical	-51.57	-13.00	38.57	270
3	2122.50	-42.26	2.10	11.10	Vertical	-35.41	-13.00	22.41	90
4	2830.00	-50.61	2.30	13.10	Vertical	-41.96	-13.00	28.96	0
5	3537.50	-63.73	2.60	12.70	Vertical	-55.78	-13.00	42.78	225
6	4245.00	-63.23	3.30	12.50	Vertical	-56.18	-13.00	43.18	0
7	4952.50	-61.04	3.40	12.50	Vertical	-54.09	-13.00	41.09	135
8	5660.00	-60.18	3.30	12.50	Vertical	-53.13	-13.00	40.13	90
9	6367.50	-58.82	3.80	11.50	Vertical	-53.27	-13.00	40.27	135
10	7075.00	-56.70	4.20	11.80	Vertical	-51.25	-13.00	38.25	0
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

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LTE Band 12 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1410.60	-55.98	1.70	8.70	Vertical	-51.13	-13.00	38.13	270
3	2115.93	-54.88	2.10	11.10	Vertical	-48.03	-13.00	35.03	90
4	2830.00	-50.92	2.30	13.10	Vertical	-42.27	-13.00	29.27	0
5	3537.50	-65.23	2.60	12.70	Vertical	-57.28	-13.00	44.28	45
6	4245.00	-63.21	3.30	12.50	Vertical	-56.16	-13.00	43.16	90
7	4952.50	-60.01	3.40	12.50	Vertical	-53.06	-13.00	40.06	45
8	5660.00	-60.16	3.30	12.50	Vertical	-53.11	-13.00	40.11	225
9	6367.50	-58.94	3.80	11.50	Vertical	-53.39	-13.00	40.39	135
10	7075.00	-56.56	4.20	11.80	Vertical	-51.11	-13.00	38.11	90
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 12 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.00	-55.63	1.70	8.70	Vertical	-50.78	-13.00	37.78	270
3	2122.50	-53.22	2.10	11.10	Vertical	-46.37	-13.00	33.37	0
4	2830.00	-51.87	2.30	13.10	Vertical	-43.22	-13.00	30.22	90
5	3537.50	-64.75	2.60	12.70	Vertical	-56.80	-13.00	43.80	45
6	4245.00	-62.17	3.30	12.50	Vertical	-55.12	-13.00	42.12	0
7	4952.50	-61.03	3.40	12.50	Vertical	-54.08	-13.00	41.08	225
8	5660.00	-58.99	3.30	12.50	Vertical	-51.94	-13.00	38.94	45
9	6367.50	-59.02	3.80	11.50	Vertical	-53.47	-13.00	40.47	90
10	7075.00	-56.26	4.20	11.80	Vertical	-50.81	-13.00	37.81	45
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

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LTE Band 38 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5185.0	-58.49	3.20	12.50	Vertical	-49.19	-25.0	24.19	270
3	7777.5	-48.10	4.40	12.30	Vertical	-40.20	-25.0	15.20	270
4	10370.0	-50.34	4.70	11.80	Vertical	-43.24	-25.0	18.24	0
5	12962.5	-50.05	5.40	14.00	Vertical	-41.45	-25.0	16.45	135
6	15555.0	-51.56	6.10	16.80	Vertical	-40.86	-25.0	15.86	90
7	18147.5	--	--	--	--	--	--	--	--
8	20740.0	--	--	--	--	--	--	--	--
9	23332.5	--	--	--	--	--	--	--	--
10	25925.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 38 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5170.0	-60.56	3.20	12.50	Vertical	-51.26	-25.0	26.26	45
3	7755.0	-52.04	4.40	12.30	Vertical	-44.14	-25.0	19.14	45
4	10340.0	-49.02	4.70	11.80	Vertical	-41.92	-25.0	16.92	135
5	12925.0	-50.08	5.40	14.00	Vertical	-41.48	-25.0	16.48	45
6	15510.0	-51.08	6.10	16.80	Vertical	-40.38	-25.0	15.38	0
7	18095.0	--	--	--	--	--	--	--	--
8	20680.0	--	--	--	--	--	--	--	--
9	23265.0	--	--	--	--	--	--	--	--
10	25850.0	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

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LTE Band 66 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3464.30	-67.75	2.70	12.70	Vertical	-57.75	-13.00	44.75	0
3	5233.50	-58.19	3.20	12.50	Vertical	-48.89	-13.00	35.89	225
4	6930.00	-53.69	4.20	11.80	Vertical	-46.09	-13.00	33.09	45
5	8722.50	-47.60	4.40	12.50	Vertical	-39.50	-13.00	26.50	180
6	10395.00	-50.10	4.70	11.80	Vertical	-43.00	-13.00	30.00	270
7	12211.50	-51.66	5.20	13.80	Vertical	-43.06	-13.00	30.06	90
8	13860.00	-49.73	5.70	13.20	Vertical	-42.23	-13.00	29.23	270
9	15701.25	-51.32	6.10	16.80	Vertical	-40.62	-13.00	27.62	0
10	17325.00	-48.96	6.10	14.20	Vertical	-40.86	-13.00	27.86	135
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

LTE Band 66 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3460.50	-66.67	2.70	12.70	Vertical	-56.67	-13.00	43.67	225
3	5228.63	-58.13	3.20	12.50	Vertical	-48.83	-13.00	35.83	315
4	6930.00	-54.78	4.20	11.80	Vertical	-47.18	-13.00	34.18	180
5	8714.25	-48.87	4.40	12.50	Vertical	-40.77	-13.00	27.77	90
6	10395.00	-49.34	4.70	11.80	Vertical	-42.24	-13.00	29.24	0
7	12199.50	-51.04	5.20	13.80	Vertical	-42.44	-13.00	29.44	45
8	13860.00	-51.02	5.70	13.20	Vertical	-43.52	-13.00	30.52	90
9	15685.50	-54.27	6.10	16.80	Vertical	-43.57	-13.00	30.57	315
10	17325.00	-48.85	6.10	14.20	Vertical	-40.75	-13.00	27.75	180
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

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LTE Band 66 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3447.00	-67.33	2.70	12.70	Vertical	-57.33	-13.00	44.33	180
3	5208.00	-55.49	3.20	12.50	Vertical	-46.19	-13.00	33.19	135
4	6930.00	-52.62	4.20	11.80	Vertical	-45.02	-13.00	32.02	90
5	8680.50	-48.14	4.40	12.50	Vertical	-40.04	-13.00	27.04	270
6	10395.00	-50.34	4.70	11.80	Vertical	-43.24	-13.00	30.24	90
7	12151.50	-49.98	5.20	13.80	Vertical	-41.38	-13.00	28.38	45
8	13860.00	-50.15	5.70	13.20	Vertical	-42.65	-13.00	29.65	180
9	15592.50	-53.27	6.10	16.80	Vertical	-42.57	-13.00	29.57	225
10	17325.00	-48.32	6.10	14.20	Vertical	-40.22	-13.00	27.22	0
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

CA 7C_10M+20M QPSK CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5050.60	-59.64	3.40	12.50	Vertical	-50.54	-25.00	25.54	0
3	7562.20	-50.77	4.40	12.20	Vertical	-42.97	-25.00	17.97	225
4	10101.20	-49.98	4.70	11.30	Vertical	-43.38	-25.00	18.38	315
5	12626.50	-49.36	5.40	13.20	Vertical	-41.56	-25.00	16.56	45
6	15151.80	-46.93	6.10	13.10	Vertical	-39.93	-25.00	14.93	90
7	17677.10	-47.93	6.10	14.20	Vertical	-39.83	-25.00	14.83	0
8	20202.40	--	--	--	--	--	--	--	--
9	22727.70	--	--	--	--	--	--	--	--
10	25253.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

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CA 7C_ 20M+10M QPSK CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5059.60	-60.54	3.40	12.50	Vertical	-51.44	-25.00	26.44	270
3	7589.40	-56.15	4.40	12.20	Vertical	-48.35	-25.00	23.35	45
4	10119.20	-50.27	4.70	11.30	Vertical	-43.67	-25.00	18.67	0
5	12649.00	-53.32	5.40	13.20	Vertical	-45.52	-25.00	20.52	90
6	15178.80	-46.60	6.10	13.10	Vertical	-39.60	-25.00	14.60	135
7	17708.60	-48.23	6.10	14.20	Vertical	-40.13	-25.00	15.13	0
8	20238.40	--	--	--	--	--	--	--	--
9	22768.20	--	--	--	--	--	--	--	--
10	25298.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

CA 7C_15M+15M QPSK CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5065.00	-61.82	3.40	12.50	Vertical	-52.72	-25.00	27.72	90
3	7597.50	-54.91	4.40	12.20	Vertical	-47.11	-25.00	22.11	0
4	10130.00	-50.75	4.70	11.30	Vertical	-44.15	-25.00	19.15	45
5	12662.50	-54.15	5.40	13.20	Vertical	-46.35	-25.00	21.35	0
6	15195.00	-47.47	6.10	13.10	Vertical	-40.47	-25.00	15.47	180
7	17727.50	-48.76	6.10	14.20	Vertical	-40.66	-25.00	15.66	90
8	20260.00	--	--	--	--	--	--	--	--
9	22792.50	--	--	--	--	--	--	--	--
10	25325.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

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CA 7C_ 20M+20M QPSK CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5030.00	-60.39	3.40	12.50	Vertical	-51.29	-25.00	26.29	90
3	7545.00	-55.89	4.40	12.20	Vertical	-48.09	-25.00	23.09	90
4	10060.00	-51.34	4.70	11.30	Vertical	-44.74	-25.00	19.74	0
5	12575.00	-55.24	5.40	13.20	Vertical	-47.44	-25.00	22.44	270
6	15090.00	-46.44	6.10	13.10	Vertical	-39.44	-25.00	14.44	45
7	17605.00	-48.95	6.10	14.20	Vertical	-40.85	-25.00	15.85	180
8	20120.00	--	--	--	--	--	--	--	--
9	22635.00	--	--	--	--	--	--	--	--
10	25150.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

NR n66 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3490.00	-66.19	2.70	12.70	Horizontal	-56.19	-13.00	43.19	180
3	5235.00	-62.61	3.20	12.50	Horizontal	-53.31	-13.00	40.31	225
4	6980.00	-62.72	4.20	11.80	Horizontal	-55.12	-13.00	42.12	0
5	8725.00	-56.46	4.40	12.50	Horizontal	-48.36	-13.00	35.36	45
6	10470.00	-50.37	4.70	11.80	Horizontal	-43.27	-13.00	30.27	90
7	12215.00	-51.86	5.20	13.80	Horizontal	-43.26	-13.00	30.26	45
8	13960.00	-52.62	5.70	13.20	Horizontal	-45.12	-13.00	32.12	135
9	15705.00	-55.22	6.10	16.80	Horizontal	-44.52	-13.00	31.52	0
10	17450.00	-50.46	6.10	14.20	Horizontal	-42.36	-13.00	29.36	45
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

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NR n66 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3490.00	-65.72	2.70	12.70	Horizontal	-55.72	-13.00	42.72	45
3	5235.00	-56.69	3.20	12.50	Horizontal	-47.39	-13.00	34.39	135
4	6980.00	-50.21	4.20	11.80	Horizontal	-42.61	-13.00	29.61	90
5	8725.00	-49.73	4.40	12.50	Horizontal	-41.63	-13.00	28.63	0
6	10470.00	-52.34	4.70	11.80	Horizontal	-45.24	-13.00	32.24	45
7	12215.00	-53.35	5.20	13.80	Horizontal	-44.75	-13.00	31.75	90
8	13960.00	-52.69	5.70	13.20	Horizontal	-45.19	-13.00	32.19	0
9	15705.00	-54.80	6.10	16.80	Horizontal	-44.10	-13.00	31.10	90
10	17450.00	-52.35	6.10	14.20	Horizontal	-44.25	-13.00	31.25	135
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_2A-n66A QPSK 30MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3461.30	-64.62	2.70	12.70	Horizontal	-54.62	-13.00	41.62	135
3	5192.00	-56.93	3.20	12.50	Horizontal	-47.63	-13.00	34.63	90
4	6922.60	-58.06	4.20	11.80	Horizontal	-50.46	-13.00	37.46	90
5	8653.20	-53.47	4.40	12.50	Horizontal	-45.37	-13.00	32.37	180
6	10384.10	-50.67	4.70	11.80	Horizontal	-43.57	-13.00	30.57	315
7	12114.80	-51.08	5.20	13.80	Horizontal	-42.48	-13.00	29.48	270
8	13845.50	-46.70	5.70	13.20	Horizontal	-39.20	-13.00	26.20	225
9	15576.20	-55.97	6.10	16.80	Horizontal	-45.27	-13.00	32.27	0
10	17306.90	-49.64	6.10	14.20	Horizontal	-41.54	-13.00	28.54	180
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

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DC_2A-n66A QPSK 15MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3476.00	-66.63	2.70	12.70	Horizontal	-56.63	-13.00	43.63	135
3	5214.00	-56.36	3.20	12.50	Horizontal	-47.06	-13.00	34.06	135
4	6951.60	-56.05	4.20	11.80	Horizontal	-48.45	-13.00	35.45	270
5	8690.00	-47.91	4.40	12.50	Horizontal	-39.81	-13.00	26.81	315
6	10427.87	-51.58	4.70	11.80	Horizontal	-44.48	-13.00	31.48	180
7	12165.87	-53.54	5.20	13.80	Horizontal	-44.94	-13.00	31.94	0
8	13903.87	-49.04	5.70	13.20	Horizontal	-41.54	-13.00	28.54	180
9	15641.87	-54.71	6.10	16.80	Horizontal	-44.01	-13.00	31.01	90
10	17379.87	-48.36	6.10	14.20	Horizontal	-40.26	-13.00	27.26	0
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

DC_2A-n66A QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3485.00	-67.34	2.70	12.70	Horizontal	-57.34	-13.00	44.34	135
3	5228.30	-57.22	3.20	12.50	Horizontal	-47.92	-13.00	34.92	45
4	6971.40	-55.52	4.20	11.80	Horizontal	-47.92	-13.00	34.92	90
5	8714.40	-47.66	4.40	12.50	Horizontal	-39.56	-13.00	26.56	180
6	10457.00	-50.32	4.70	11.80	Horizontal	-43.22	-13.00	30.22	0
7	12200.00	-52.40	5.20	13.80	Horizontal	-43.80	-13.00	30.80	315
8	13943.00	-48.73	5.70	13.20	Horizontal	-41.23	-13.00	28.23	45
9	15686.00	-54.75	6.10	16.80	Horizontal	-44.05	-13.00	31.05	0
10	17429.00	-48.49	6.10	14.20	Horizontal	-40.39	-13.00	27.39	180
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

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7 Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Wireless Communication Tester	Anritsu	MT8000A	6261844783	2021-05-15	2022-05-14
Wireless Communication Tester	Anritsu	MT8821C	6201538758	2021-05-15	2022-05-14
Climate Chamber	WEISS	VT 4002	58226119450010	2021-05-15	2022-05-14
Base Station Simulator	R&S	CMW500	150415	2021-05-15	2022-05-14
Spectrum Analyzer	Keysight	N9020A	MY52330084	2021-05-15	2022-05-14
Universal Radio Communication Tester	Agilent	E5515C	GB44400275	2021-05-15	2022-05-14
Universal Radio Communication Tester	StarPoint	SP9500	SP9500-20440	2021-05-15	2022-05-14
Signal Analyzer	R&S	FSV3030	101411	2021-12-12	2022-12-11
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
Spectrum Analyzer	R&S	FSV30	104028	2021-05-15	2022-05-14
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	01111	2019-09-12	2022-09-11
Horn Antenna	Schwarzbeck	BBHA 9120D	1594	2020-12-17	2023-12-16
Horn Antenna	ETS-Lindgren	3160-09	00102643	2020-08-11	2023-08-10
Horn Antenna	STEATITE	QSH-SL-26-40 -K-15	16779	2018-06-20	2023-06-19
Software	R&S	EMC32	10.35.10	/	/

********END OF REPORT ********

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ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

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ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

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