



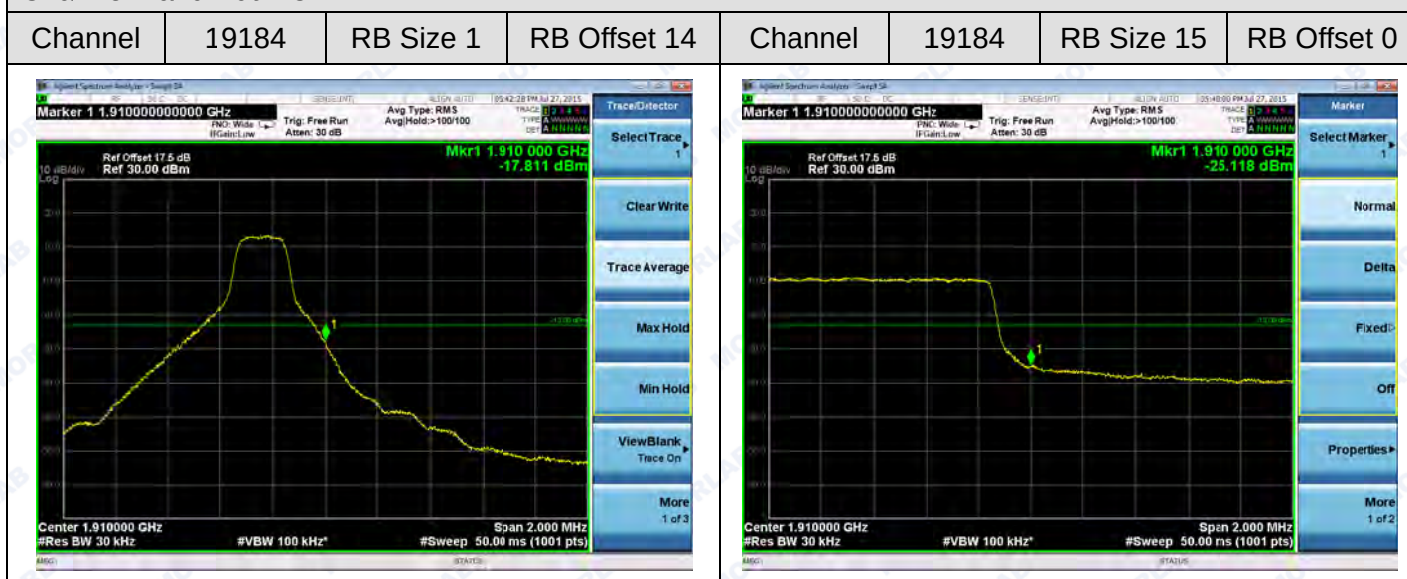
REPORT No.: SZ15070060W02

LTE Band 2

Channel Bandwidth: 3MHz



Channel Bandwidth: 3MHz





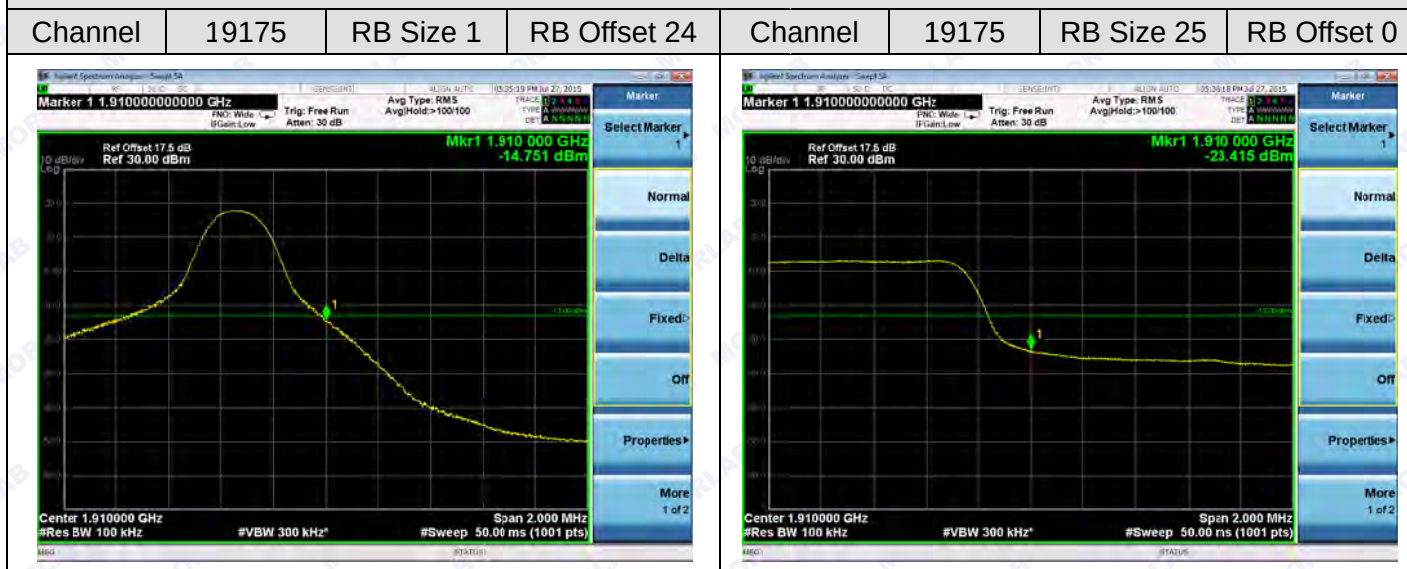
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LTE Band 2

Channel Bandwidth: 5MHz



Channel Bandwidth: 5MHz





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LTE Band 2

Channel Bandwidth: 10MHz

Channel	18650	RB Size 1	RB Offset 0	Channel	18650	RB Size 50	RB Offset 0
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Channel Bandwidth: 10MHz

Channel	19150	RB Size 1	RB Offset 49	Channel	19150	RB Size 50	RB Offset 0
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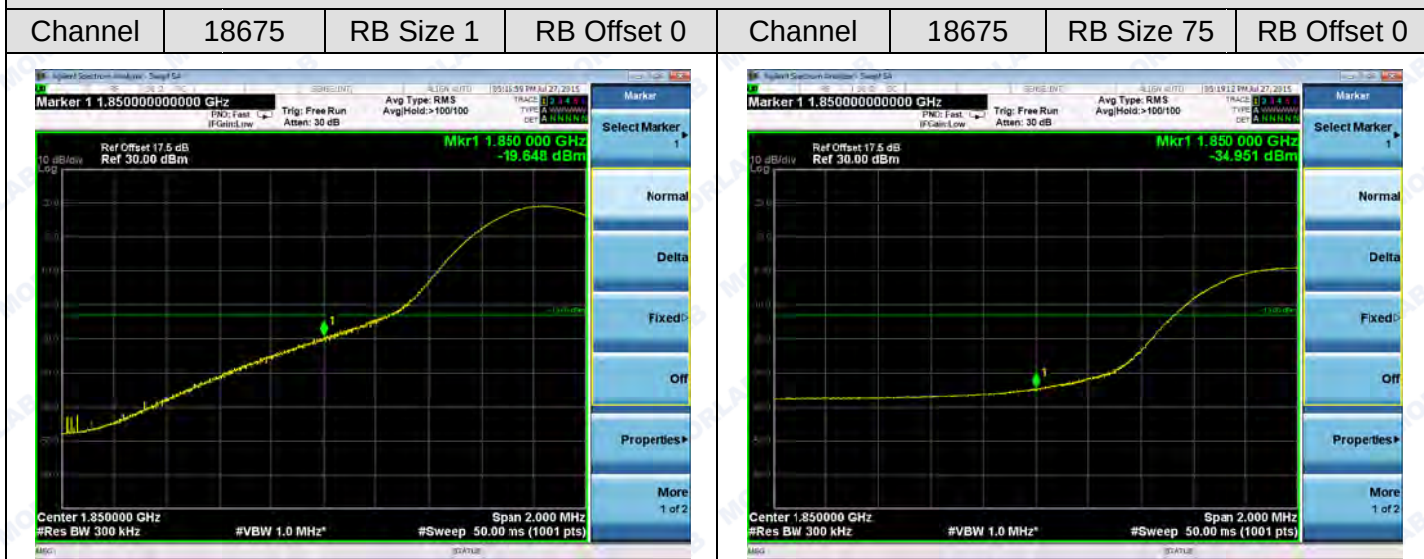




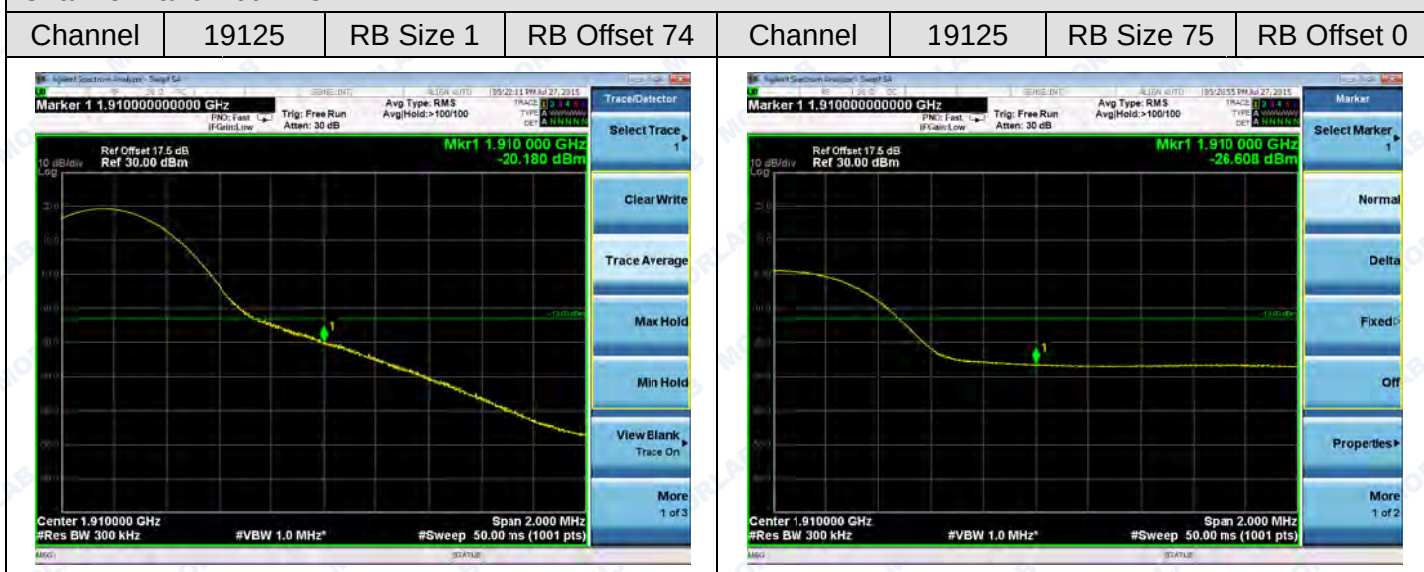
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LTE Band 2

Channel Bandwidth: 15MHz



Channel Bandwidth: 15MHz

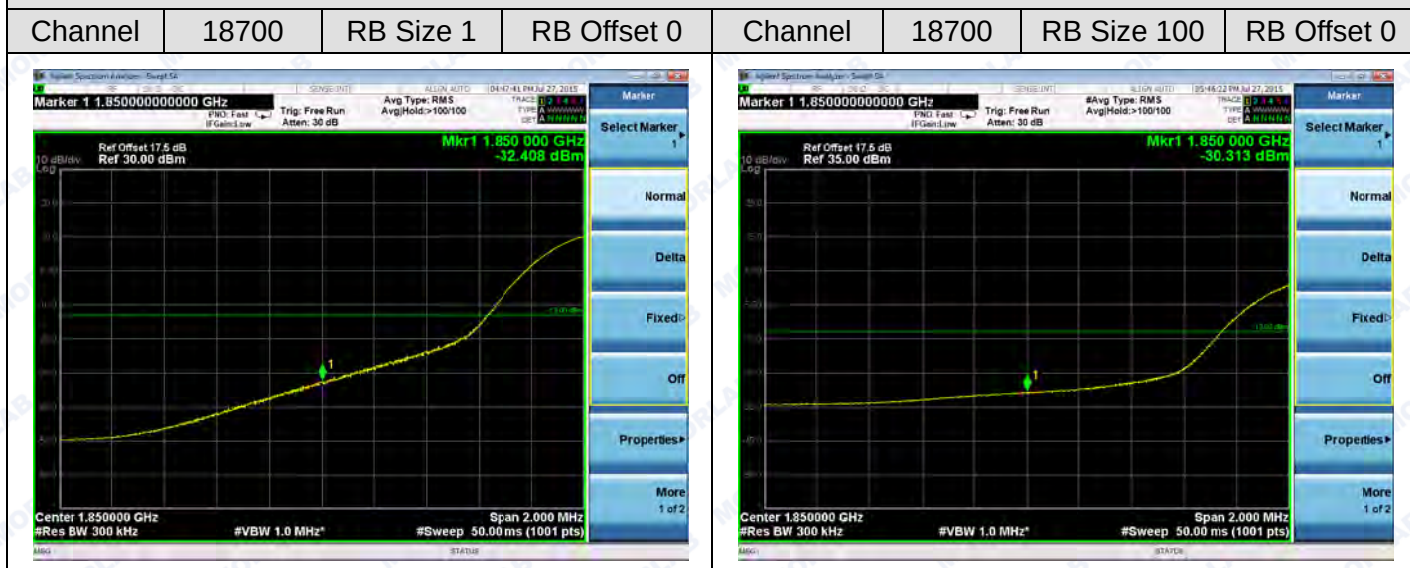




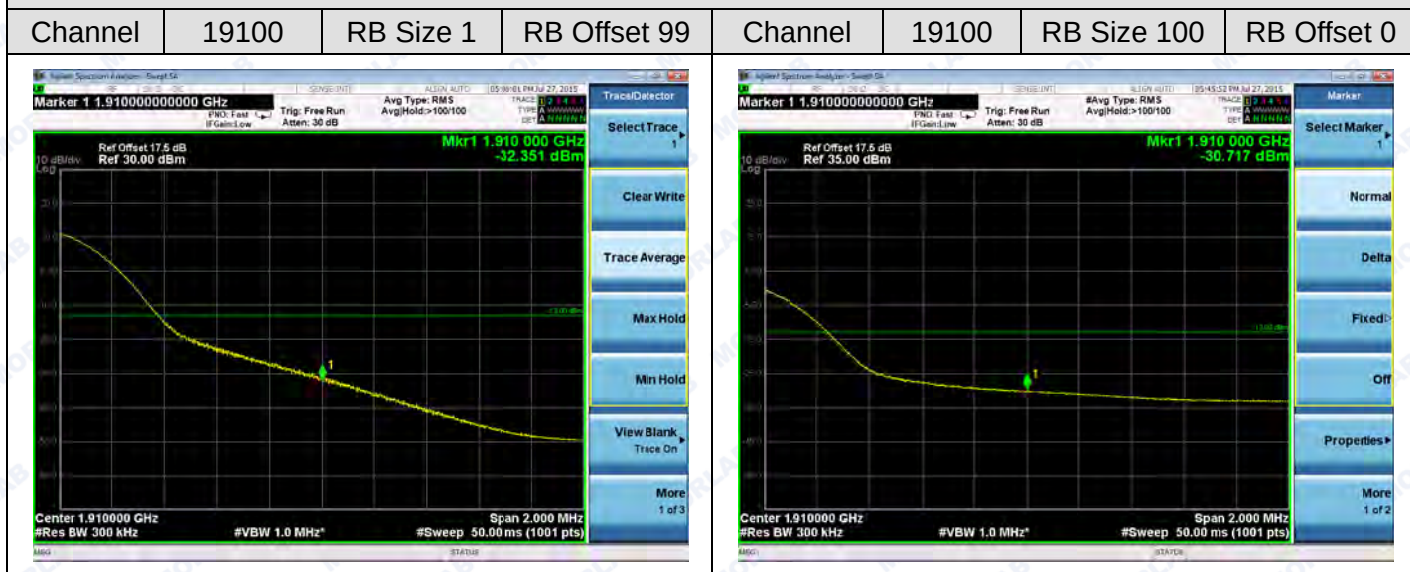
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LTE Band 2

Channel Bandwidth: 20MHz



Channel Bandwidth: 20MHz





Channel Bandwidth: 1.4MHz

The screenshot displays a Spectrum Analyzer interface. At the top, the title bar reads "Agilent Spectrum Analyzer - Sweet 5a". The main display area shows a signal trace (yellow line) on a logarithmic scale (Y-axis, 10 dBm to -80 dBm) versus frequency (X-axis, 1.7 GHz to 1.71 GHz). A marker is placed on the trace at 1.710000 GHz, indicating a power level of -34.074 dBm. The trace is labeled "Mkr1 1.710 000 GHz -34.074 dBm". The signal is identified as "PWR Video" and "IF Gain: low". The reference level is set to "Ref Offset 17.5 dB" and "Ref 30.00 dBm". The center frequency is 1.710000 GHz, the span is 2.000 MHz, the resolution bandwidth (RBW) is 15 kHz, the video bandwidth (VBW) is 47 kHz, and the sweep time is 50.00 ms (1001 pts). The interface includes a "Trace/Detector" panel on the right with buttons for "Select Trace", "Clear White", "Trace Average", "Max Hold", "Min Hold", "View Blank", "Trace On", and "More". The status bar at the bottom shows "MSO" and "STATUS".

Agilent Spectrum Analyzer - Page 2 of 3

Marker 1 1.755000000000 GHz

Ref Offset 17.5 dB
Ref 30.00 dBm

10 dB/div
Org

30.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0

Center 1.755000 GHz
#Res BW 15 kHz
#VBW 47 kHz

Span 2.000 MHz
#Sweep 50.00 ms (1001 pts)

Marker 1 1.755000 GHz
-36.917 dBm

Marker

Select Marker

1

Normal

Delta

Fixed

Off

Properties

More

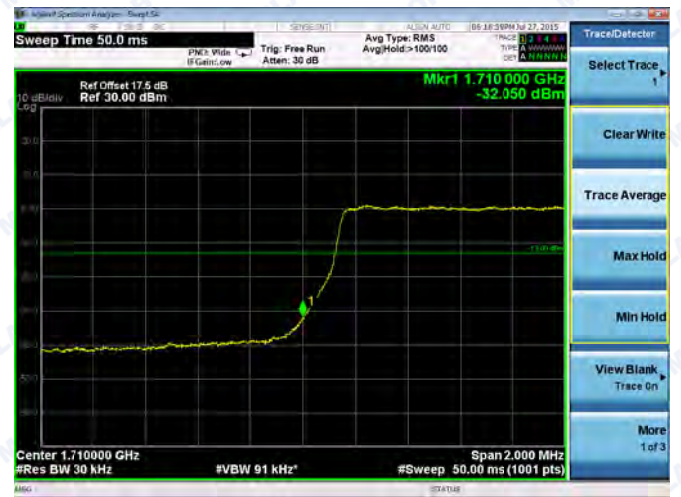
1 of 2



LTE Band 4

Channel Bandwidth: 3MHz

Channel	19965	RB Size 1	RB Offset 0	Channel	20385	RB Size 15	RB Offset 0
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Channel Bandwidth: 3MHz

Channel	19965	RB Size 1	RB Offset 14	Channel	20385	RB Size 15	RB Offset 0
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LTE Band 4

Channel Bandwidth: 5MHz

Channel	19975	RB Size 1	RB Offset 0	Channel	20375	RB Size 25	RB Offset 0
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Channel Bandwidth: 5MHz

Channel	19975	RB Size 1	RB Offset 24	Channel	20375	RB Size 25	RB Offset 0
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LTE Band 4

Channel Bandwidth: 10MHz

Channel	20000	RB Size 1	RB Offset 0	Channel	20350	RB Size 50	RB Offset 0
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Channel Bandwidth: 10MHz

Channel	20000	RB Size 1	RB Offset 49	Channel	20350	RB Size 50	RB Offset 0
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LTE Band 4

Channel Bandwidth: 15MHz

Channel	20025	RB Size 1	RB Offset 0	Channel	20325	RB Size 75	RB Offset 0
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Channel Bandwidth: 15MHz

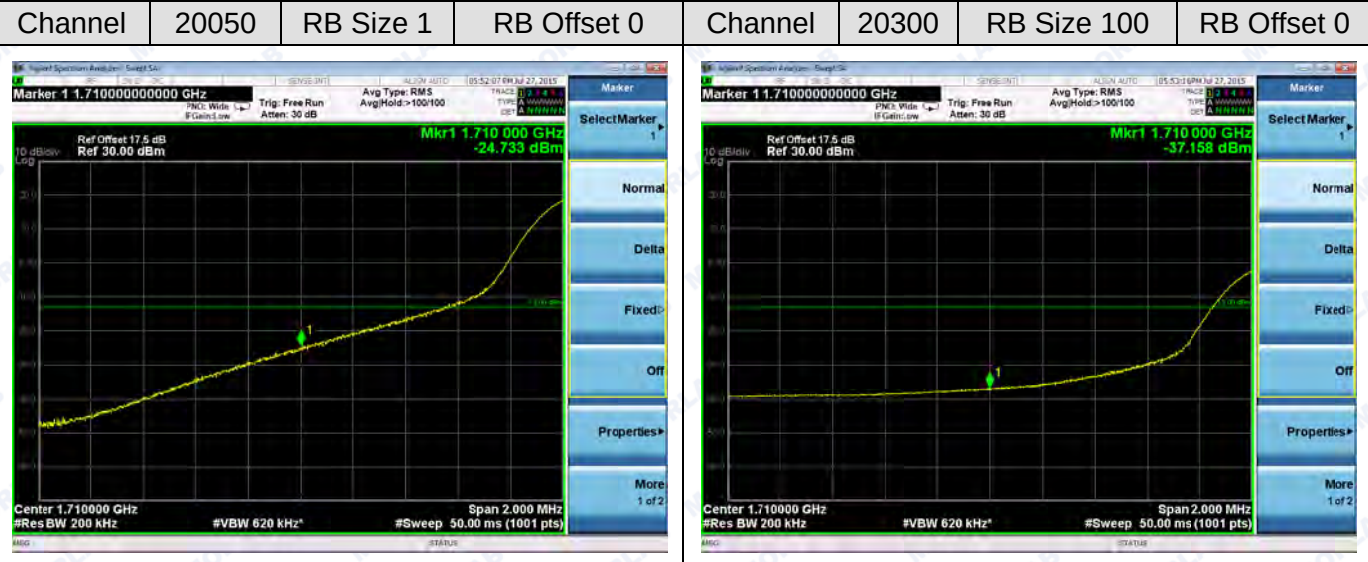
Channel	20025	RB Size 1	RB Offset 74	Channel	20325	RB Size 75	RB Offset 0
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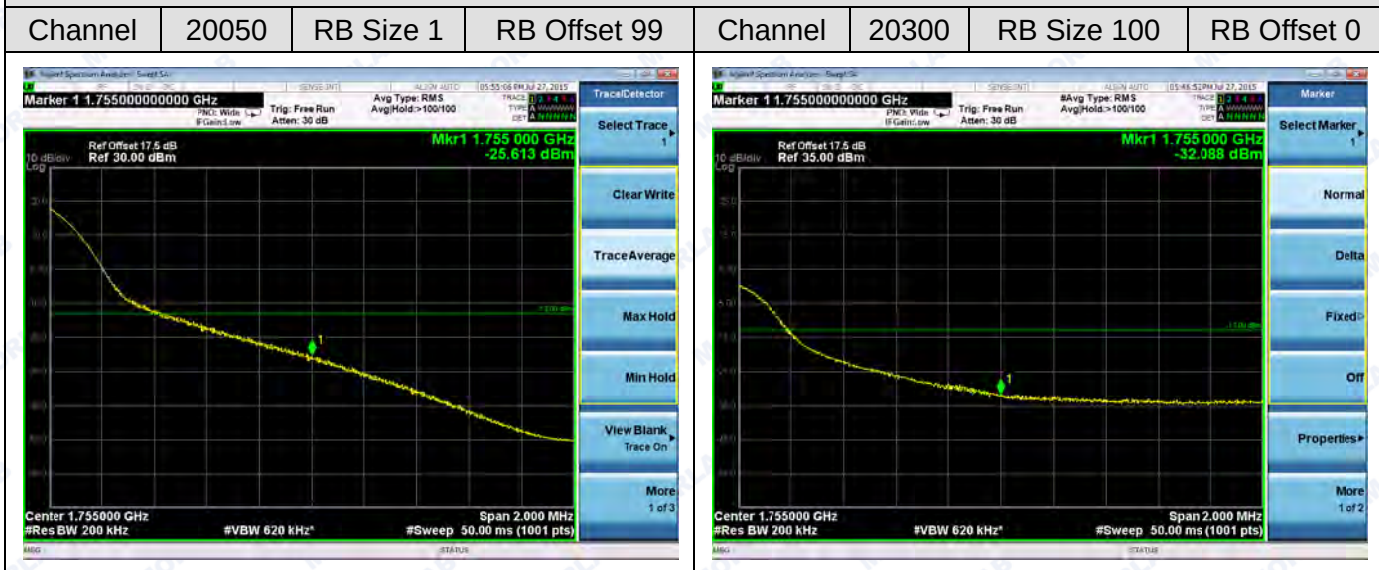


LTE Band 4

Channel Bandwidth: 20MHz

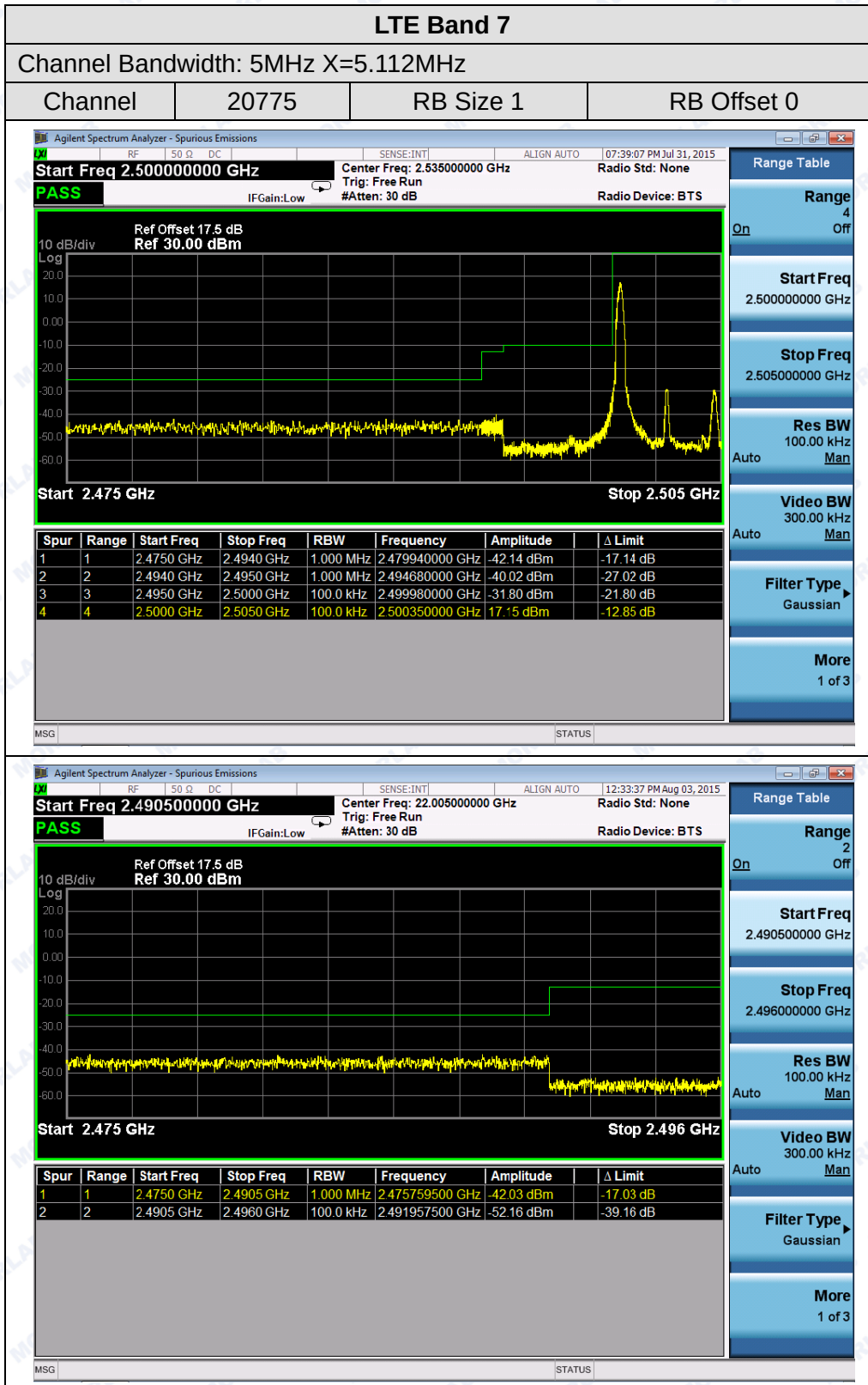


Channel Bandwidth: 20MHz



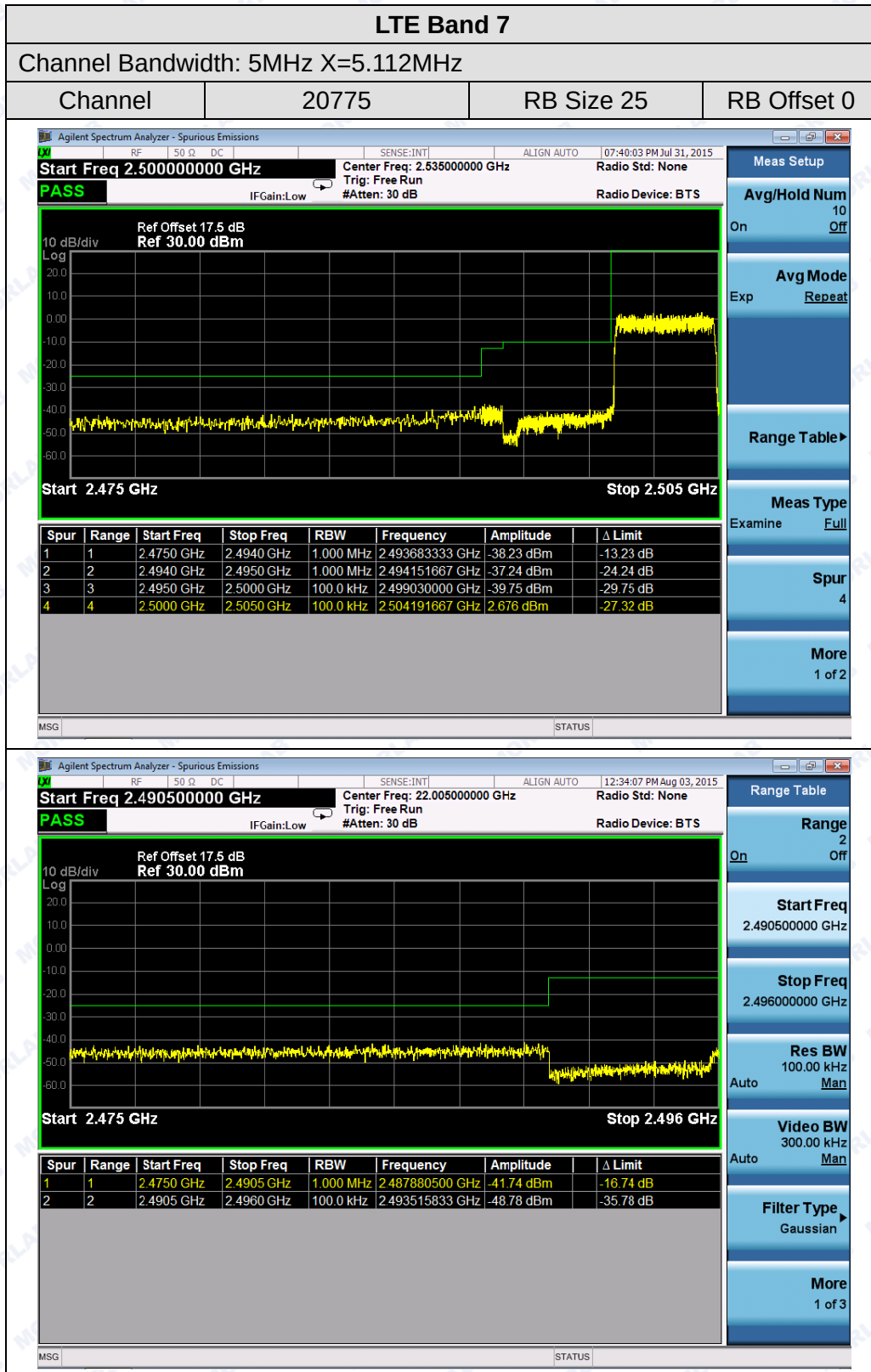


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LTE Band 7

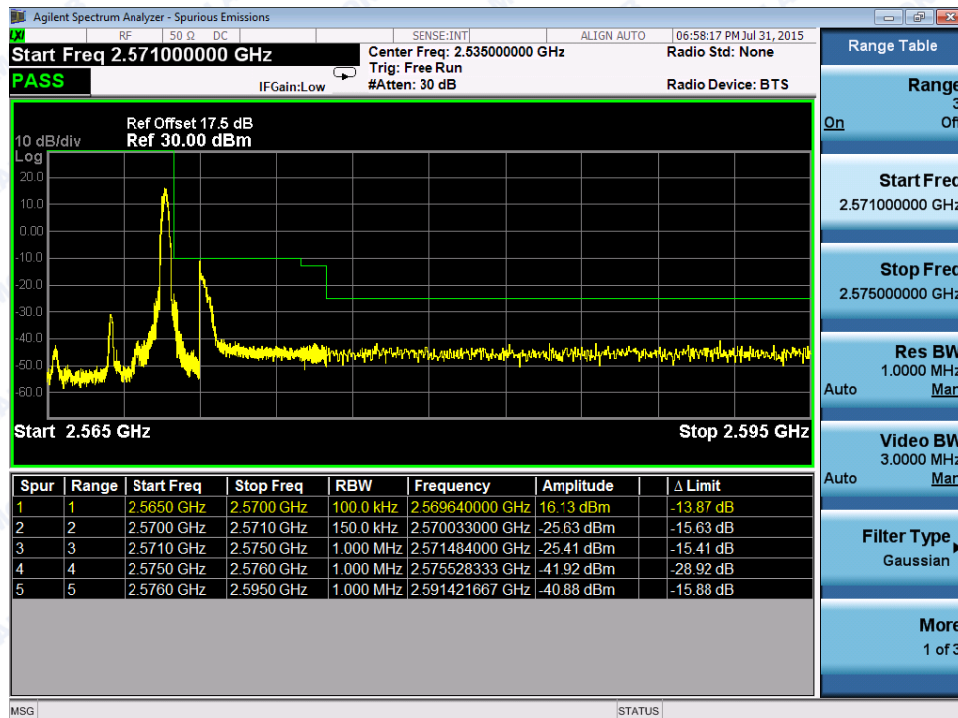
Channel Bandwidth: 5MHz X=5.066MHz

Channel

21425

RB Size 1

RB Offset 24

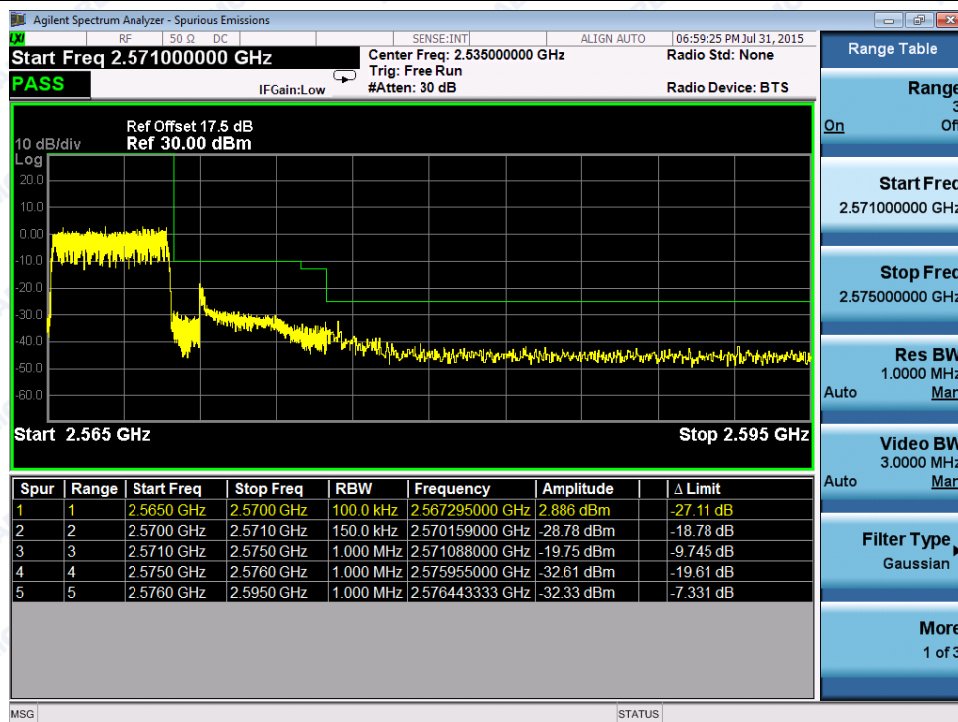


Channel

21425

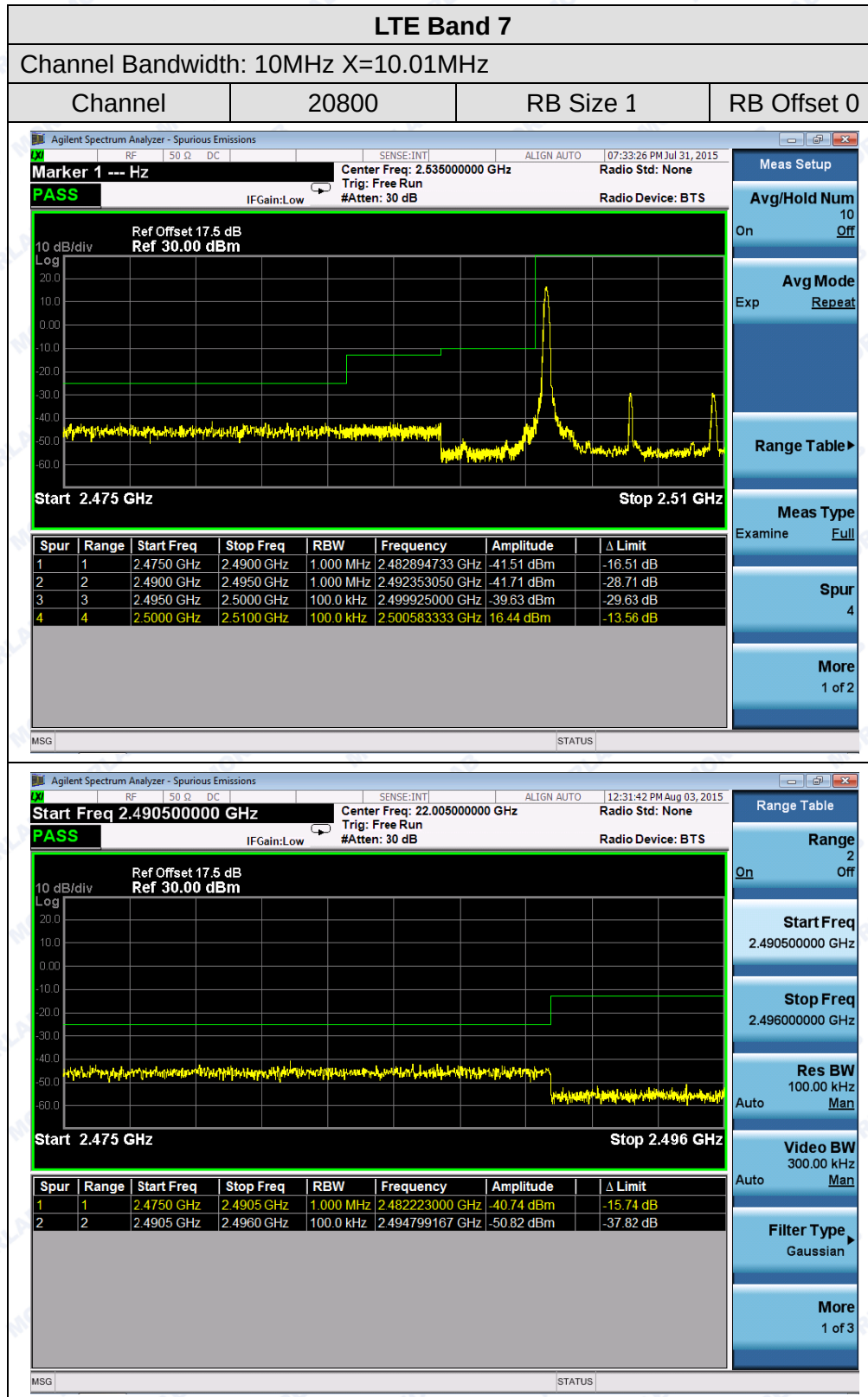
RB Size 25

RB Offset 0



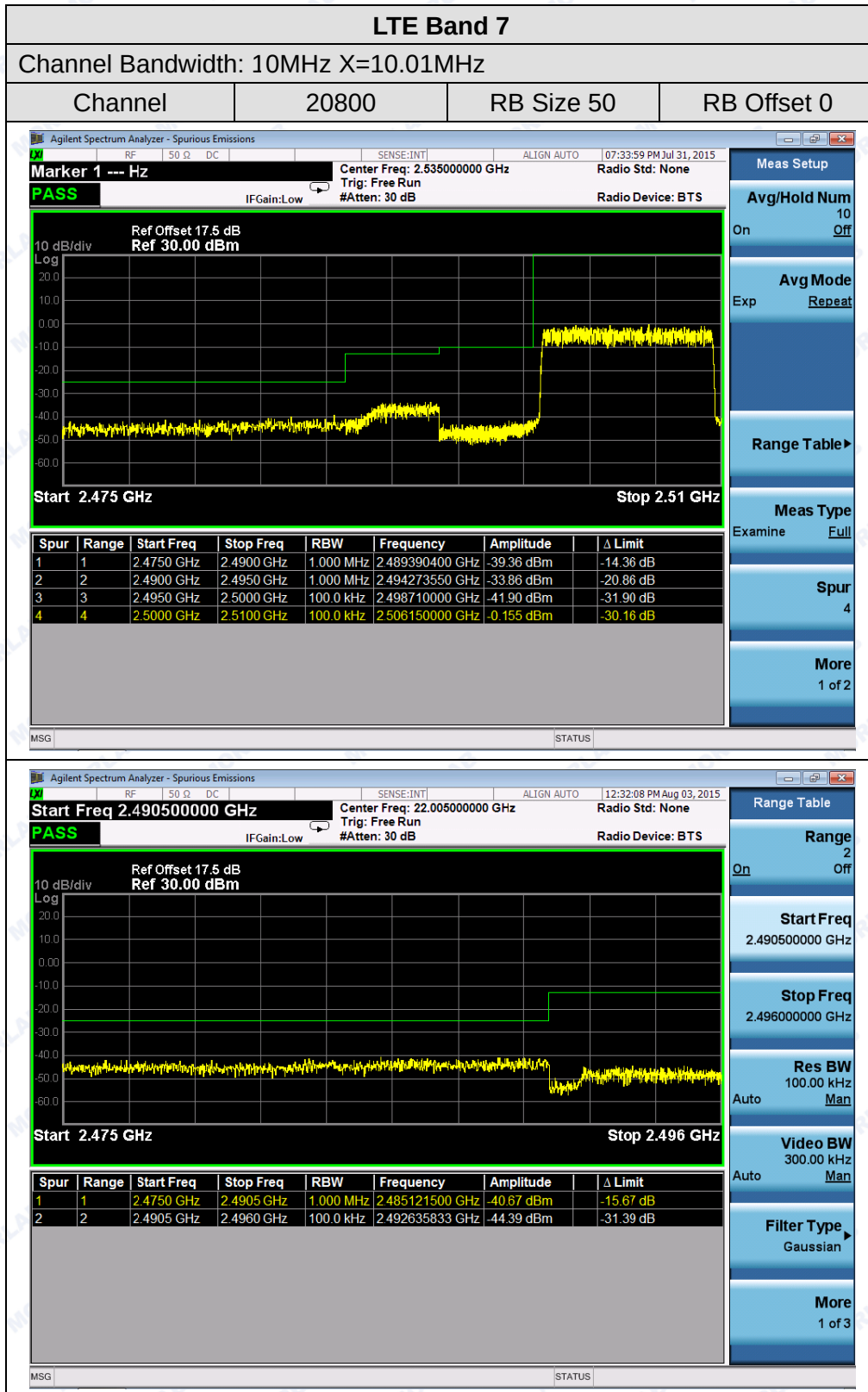


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LTE Band 7

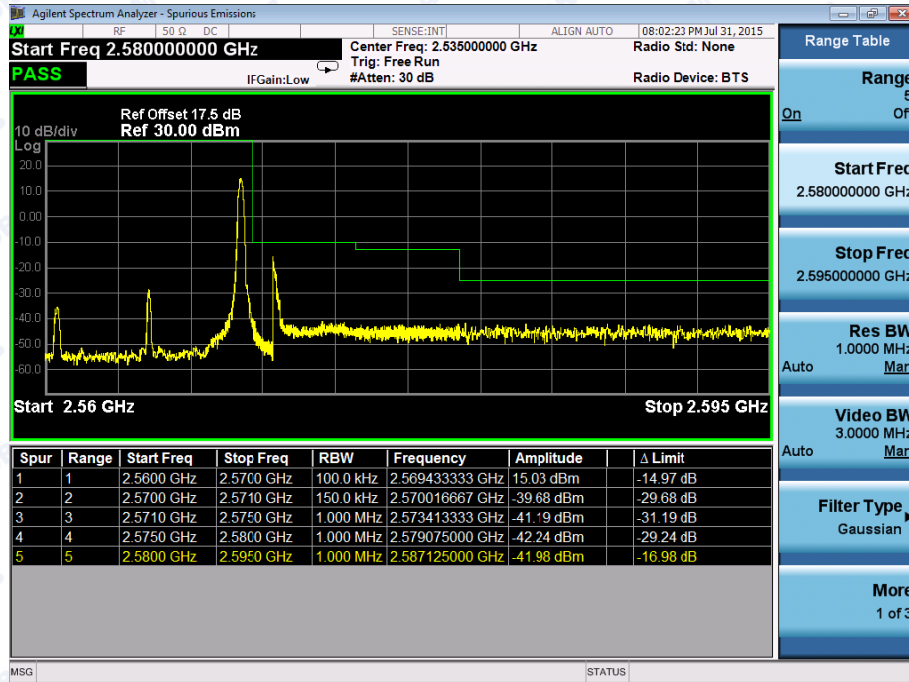
Channel Bandwidth: 10MHz X=9.926 MHz

Channel

21400

RB Size 1

RB Offset 49

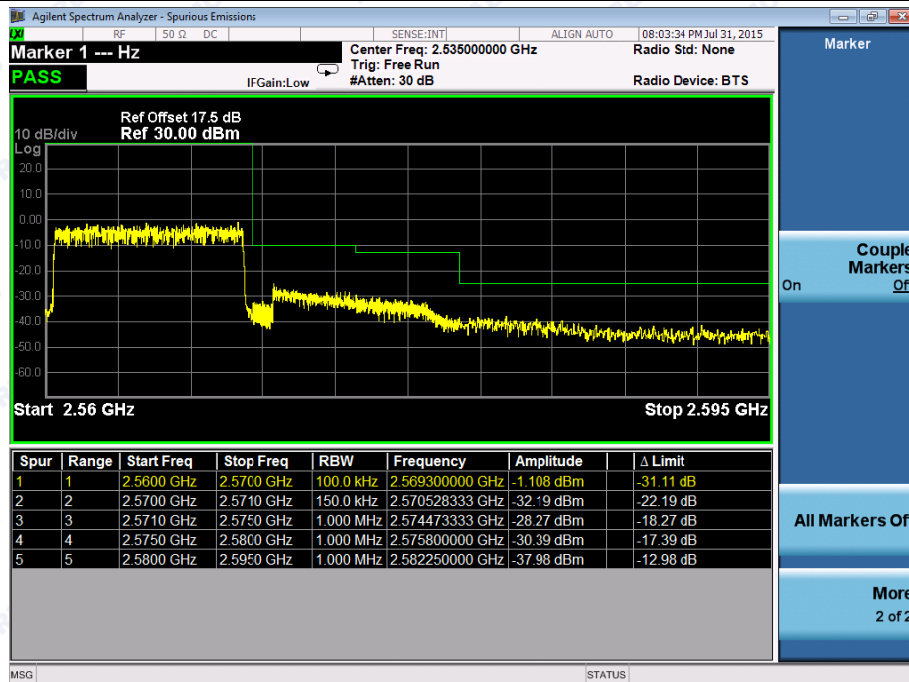


Channel

21400

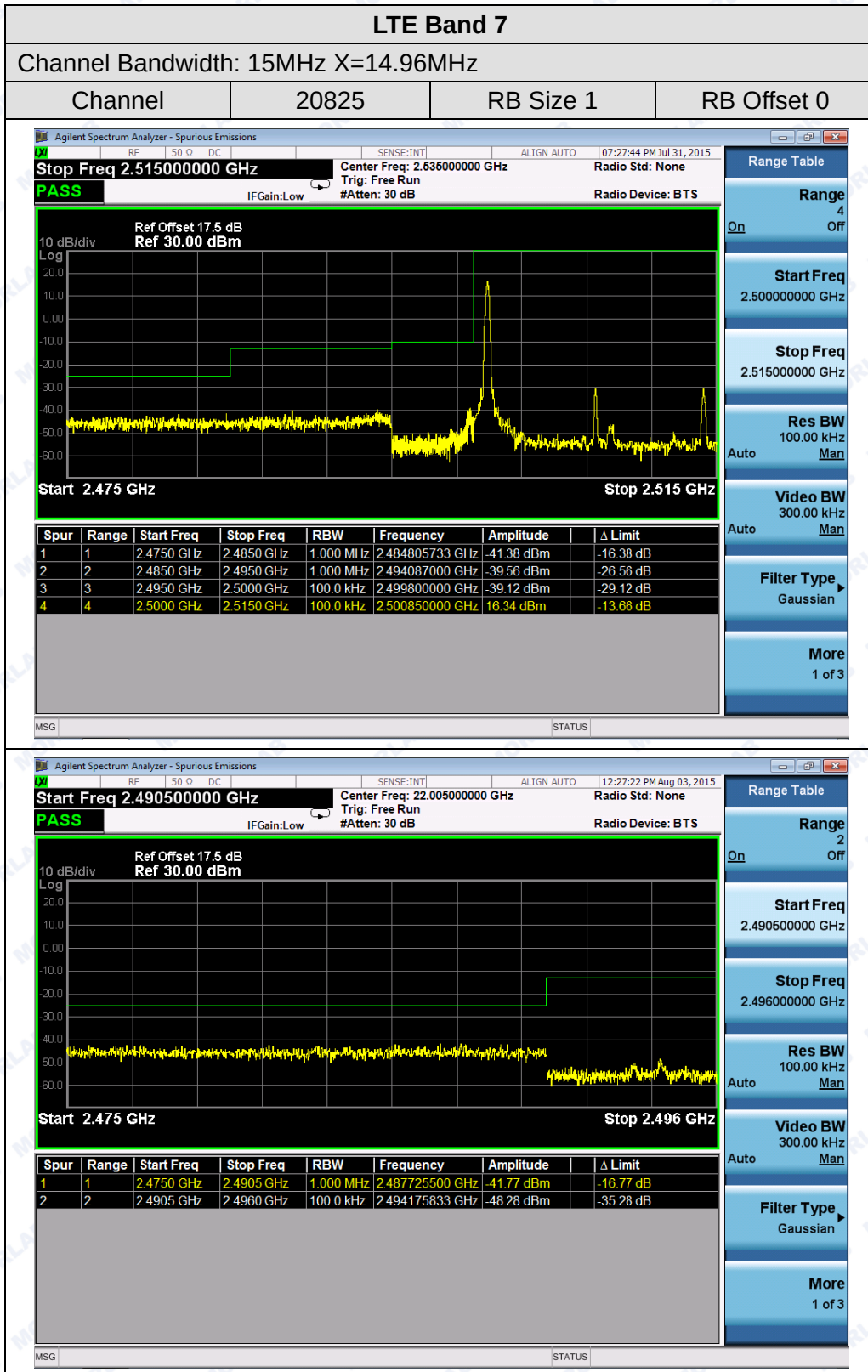
RB Size 50

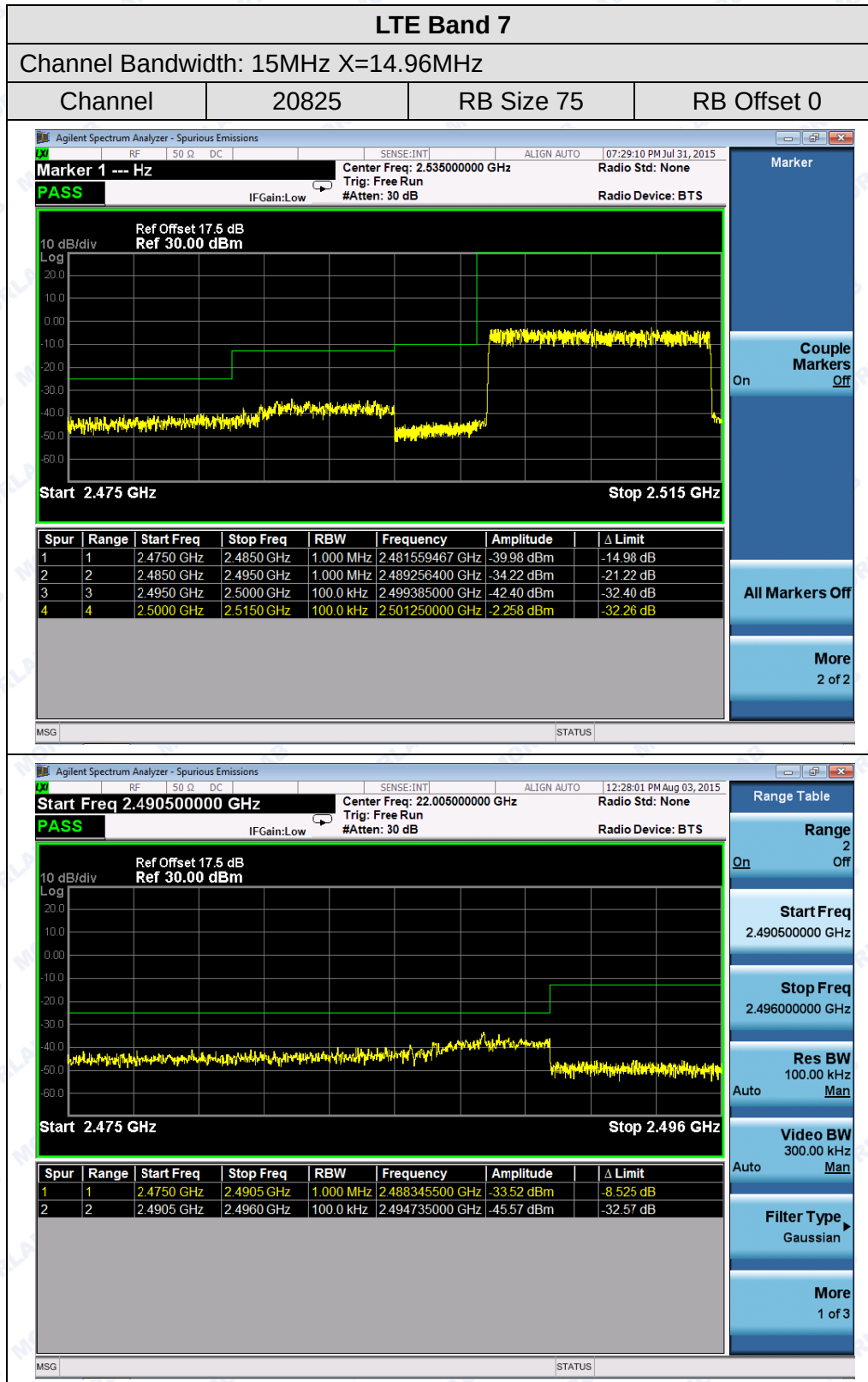
RB Offset 0





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LTE Band 7

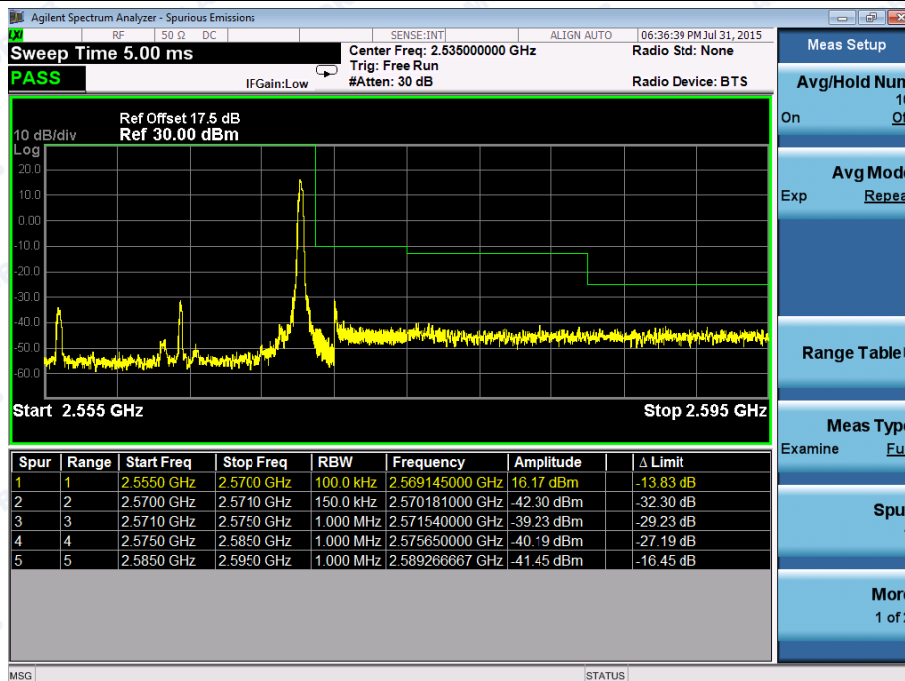
Channel Bandwidth: 15MHz X=14.97MHz

Channel

21375

RB Size 1

RB Offset 74

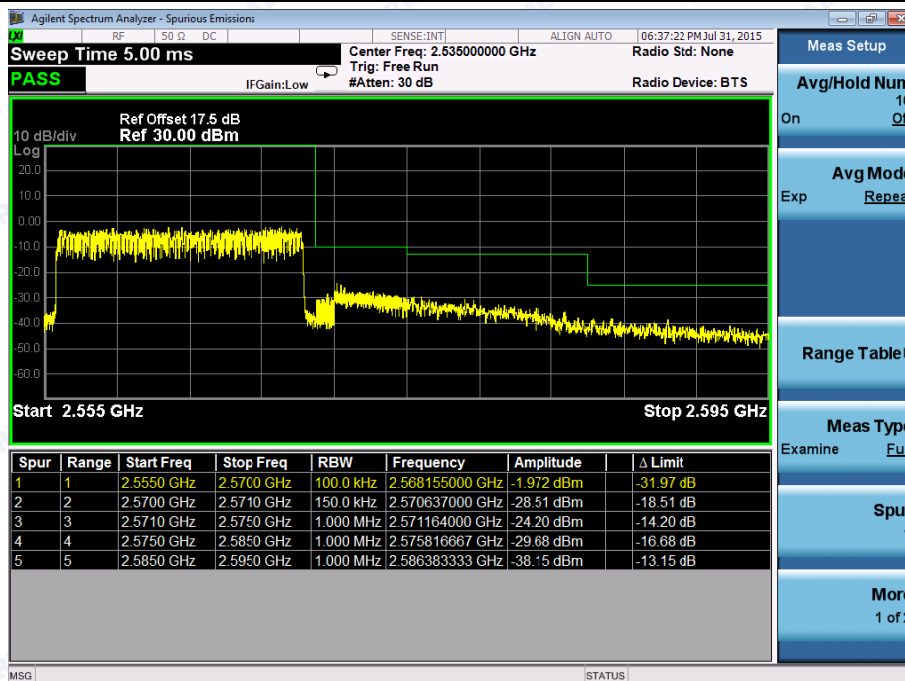


Channel

21375

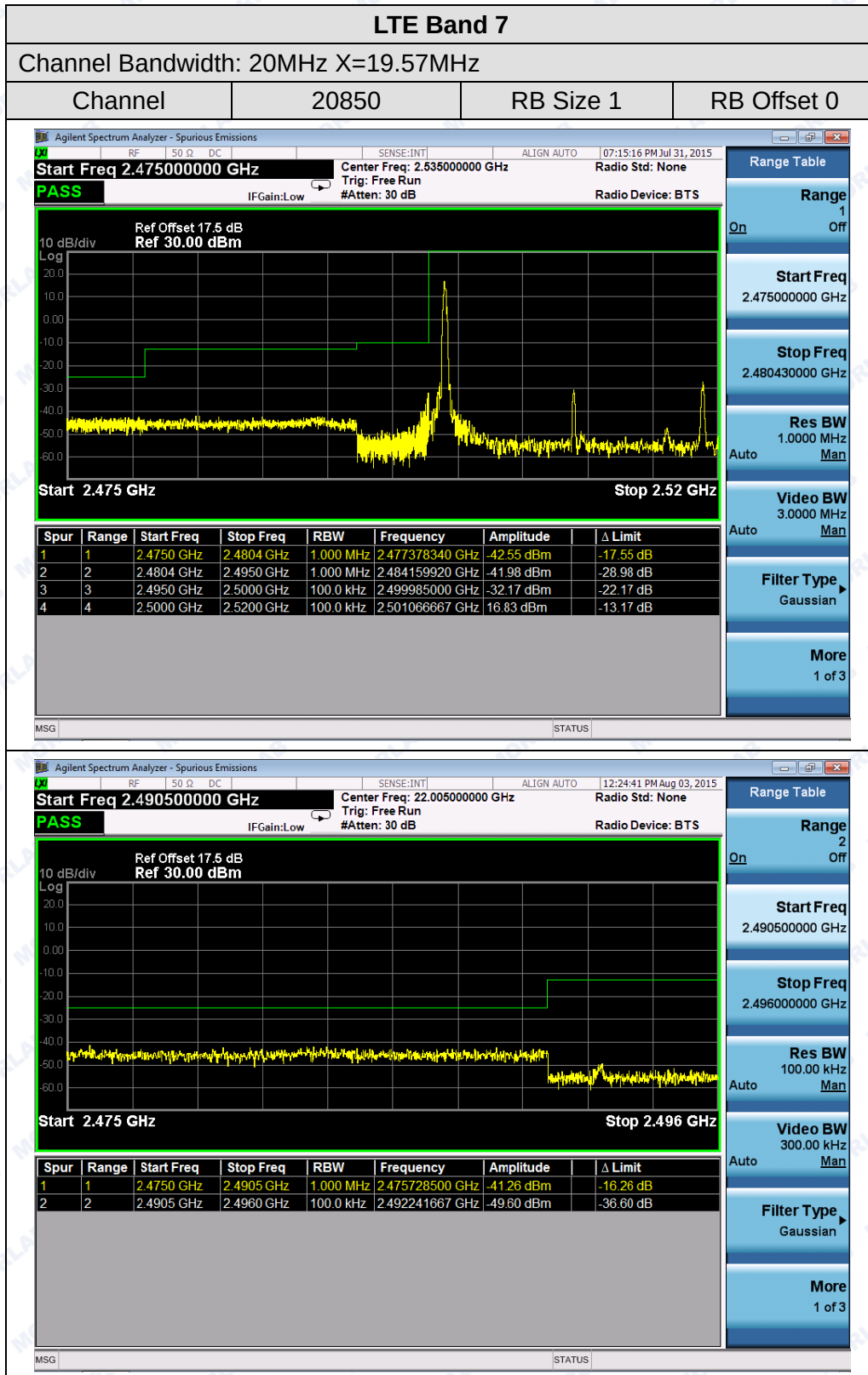
RB Size 75

RB Offset 0



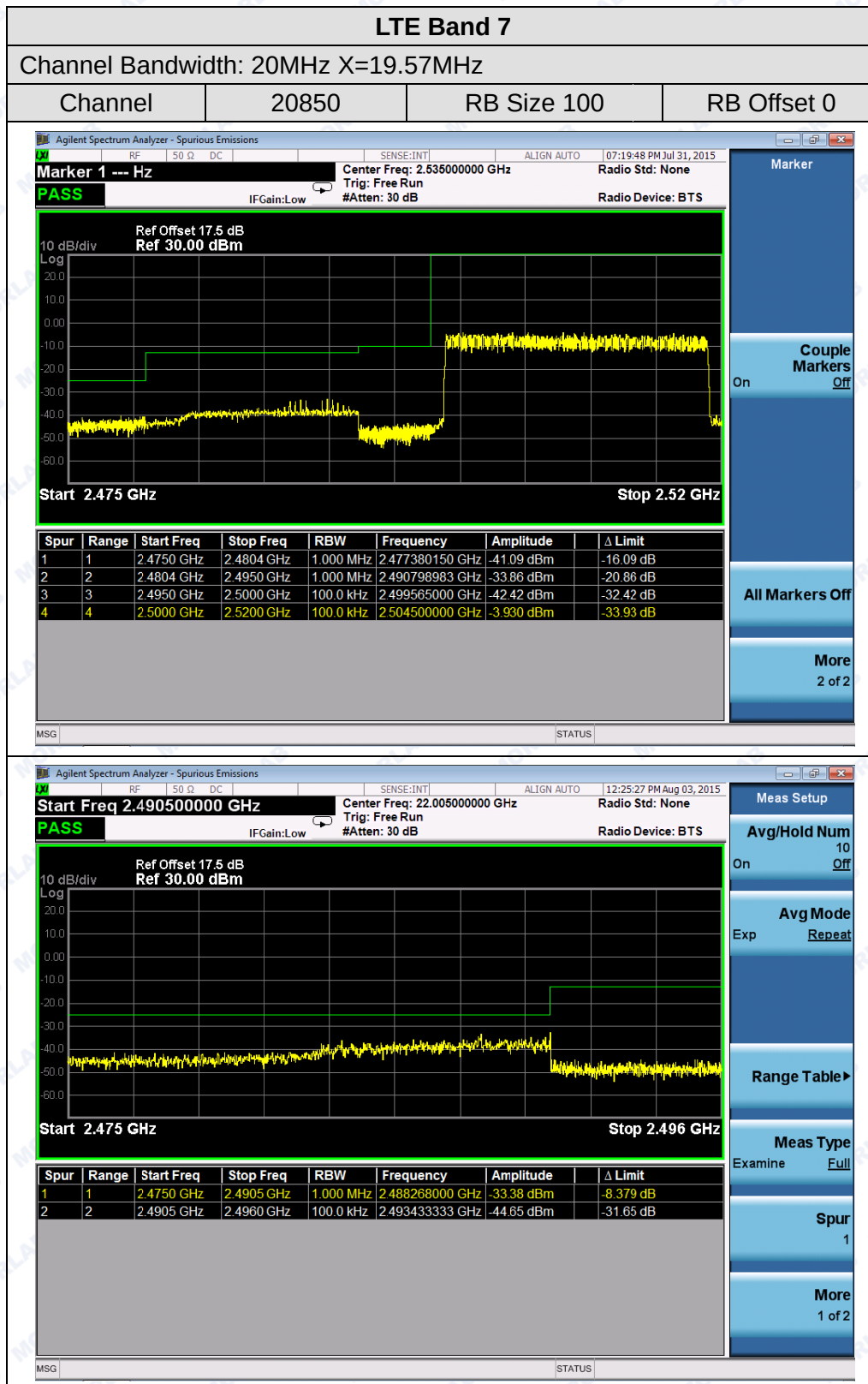


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REPORT No.: SZ15070060W02





REPORT No.: SZ15070060W02

LTE Band 7

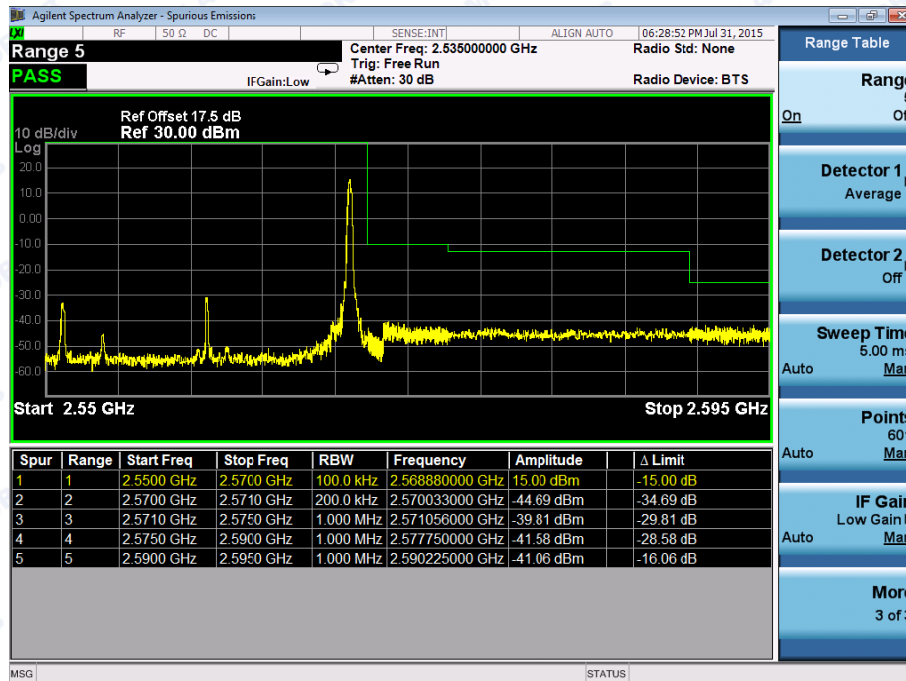
Channel Bandwidth: 20MHz X=19.73MHz

Channel

21350

RB Size 1

RB Offset 99

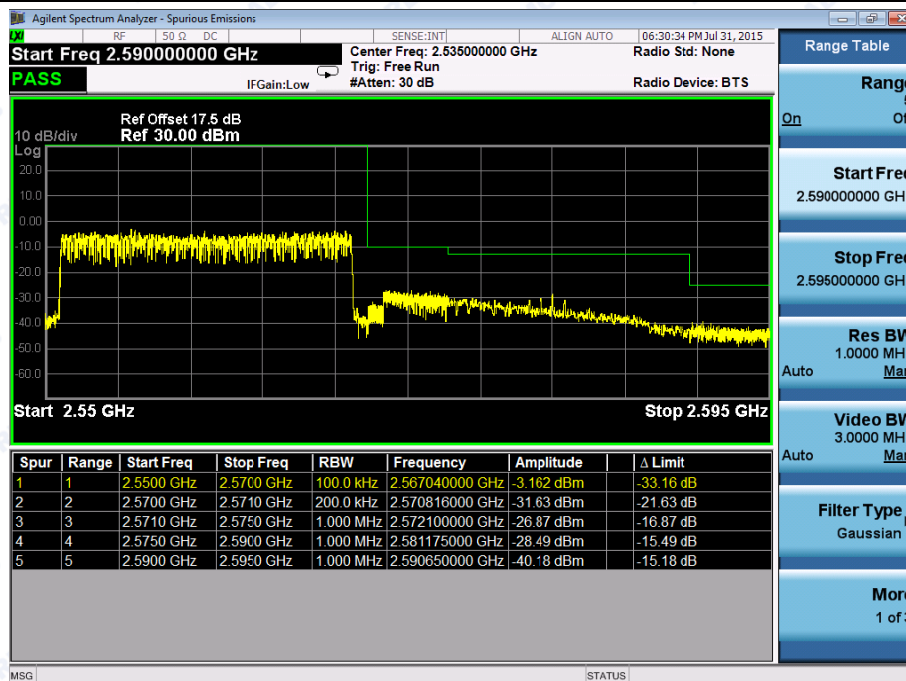


Channel

21350

RB Size 100

RB Offset 0





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LTE Band 17

Channel Bandwidth: 5MHz

Channel	23755	RB Size 1	RB Offset 0	Channel	23755	RB Size 25	RB Offset 0
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Channel Bandwidth: 5MHz

Channel	23825	RB Size 1	RB Offset 24	Channel	23825	RB Size 25	RB Offset 0
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LTE Band 17

Channel Bandwidth: 10MHz

Channel	23780	RB Size 1	RB Offset 0	Channel	23780	RB Size 50	RB Offset 0
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Channel Bandwidth: 10MHz

Channel	23800	RB Size 1	RB Offset 49	Channel	23800	RB Size 50	RB Offset 0
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2.7 Transmitter Radiated Power (EIRP/ERP)

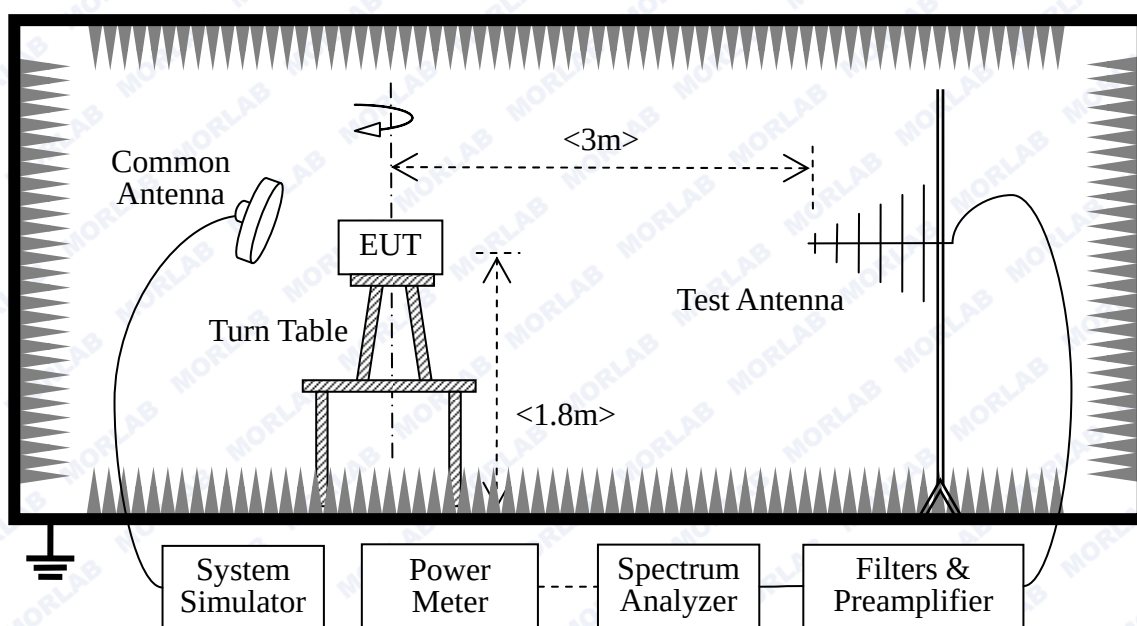
2.7.1 Requirement

According to FCC section 27.50 (d), fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat EIRP.

Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts ERP.

2.7.2 Test Description

Test Setup:



The EUT, which is powered by the PC, is located in a 3m Full-Anechoic Chamber; the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading.

A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power, and only the test result of the maximum output power was recorded.

The Test Antenna is a Bi-Log one (used for 30MHz to 1GHz) or a Horn one (used for above 3GHz), and it's located at the same height as the EUT. The Filters consists of Notch Filters and High Pass Filter.



Equipments List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
System Simulator	Rohde& Schwarz	CMW500	1201.0002k50/ 124534/wk	2015.02.26	2016.02.25
Spectrum Analyzer	Rohde& Schwarz	FSL	10246	2015.02.26	2016.02.25
Spectrum Analyzer	Agilent	E4445A	MY44200685	2015.02.26	2016.02.25
Full-Anechoic Chamber	Albatross	9m*6m*6m	(n.a.)	2015.02.26	2016.02.25
Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	9163-274	2015.02.26	2016.02.25
Test Antenna - Horn	Schwarzbeck	BBHA 9120C	9120C-384	2015.02.26	2016.02.25

2.7.3 Test Result

The EUT was verified under all configurations (RB size and offset) and the worst case radiated power reported for each modulation/channel bandwidth.

The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested.

The substitution corrections are obtained as described below:

$$A_{\text{SUBST}} = P_{\text{SUBST_TX}} - P_{\text{SUBST_RX}} - L_{\text{SUBST_CABLES}} + G_{\text{SUBST_TX_ANT}}$$

$$A_{\text{TOT}} = L_{\text{CABLES}} + A_{\text{SUBST}}$$

Where A_{SUBST} is the final substitution correction including receive antenna gain.

$P_{\text{SUBST_TX}}$ is signal generator level,

$P_{\text{SUBST_RX}}$ is receiver level,

$L_{\text{SUBST_CABLES}}$ is cable losses including TX cable,

$G_{\text{SUBST_TX_ANT}}$ is substitution antenna gain.

A_{TOT} is total correction factor including cable loss and substitution correction

During the test, the data of A_{TOT} was added in the Test Spectrum Analyze, so Spectrum Analyze reading is the final values which contain the data of A_{TOT} .



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Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 2	20MHz	L 18700	1860	QPSK	1	0	19.85
					100	0	18.98
				16-QAM	1	0	19.04
					100	0	17.96
		M 18900	1880	QPSK	1	0	20.03
					100	0	18.77
				16-QAM	1	0	19.09
					100	0	17.69
		H 19100	1900	QPSK	1	0	19.58
					100	0	18.24
				16-QAM	1	0	19.11
					100	0	17.21
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 2	15MHz	L 18675	1857.5	QPSK	1	0	19.67
					75	0	18.79
				16-QAM	1	0	18.96
					75	0	18.02
		M 18900	1880	QPSK	1	0	19.92
					75	0	18.86
				16-QAM	1	0	19.12
					75	0	18.11
		H 19125	1902.5	QPSK	1	0	19.71
					75	0	18.33
				16-QAM	1	0	19.08
					75	0	17.93
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 2	10MHz	L 18650	1855	QPSK	1	0	19.66
					50	0	18.59
				16-QAM	1	0	18.94
					50	0	17.87
		M 18900	1880	QPSK	1	0	19.82
					50	0	18.74
				16-QAM	1	0	19.36
					50	0	17.73
		H 19150	1905	QPSK	1	0	19.69
					50	0	18.25
				16-QAM	1	0	18.67
					50	0	17.44



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Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 2	5MHz	L 18625	1852.5	QPSK	1	0	19.58
					25	0	18.47
				16-QAM	1	0	19.15
					25	0	17.88
		M 18900	1880	QPSK	1	0	19.97
					25	0	18.66
				16-QAM	1	0	19.03
					25	0	17.79
		H 19175	1907.5	QPSK	1	0	19.33
					25	0	18.24
				16-QAM	1	0	18.41
					25	0	17.94
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 2	3MHz	L 18615	1851.5	QPSK	1	0	19.88
					15	0	18.94
				16-QAM	1	0	19.04
					15	0	18.86
		M 18900	1880	QPSK	1	0	19.12
					15	0	18.33
				16-QAM	1	0	19.17
					15	0	17.66
		H 19185	1908.5	QPSK	1	0	19.14
					15	0	18.16
				16-QAM	1	0	18.09
					15	0	18.12
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 2	1.4MHz	L 18607	1850.7	QPSK	1	0	18.97
					6	0	17.42
				16-QAM	1	0	17.86
					6	0	16.55
		18900	1880	QPSK	1	0	19.36
					6	0	18.41
				16-QAM	1	0	18.33
					6	0	16.56
		H 19193	1909.3	QPSK	1	0	17.91
					6	0	17.06
				16-QAM	1	0	17.24
					6	0	16.11



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Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 4	20MHz	L 20050	1720.0	QPSK	1	0	19.98
					100	0	18.86
				16-QAM	1	0	19.63
					100	0	17.74
		M 20175	1732.5	QPSK	1	0	19.92
					100	0	18.93
				16-QAM	1	0	19.12
					100	0	17.55
		H 20300	1745.0	QPSK	1	0	19.62
					100	0	18.75
				16-QAM	1	0	19.63
					100	0	17.66
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 4	15MHz	L 20025	1717.5	QPSK	1	0	19.85
					75	0	18.62
				16-QAM	1	0	19.71
					75	0	17.83
		M 20175	1732.5	QPSK	1	0	19.78
					75	0	18.89
				16-QAM	1	0	19.06
					75	0	17.68
		H 20325	1747.5	QPSK	1	0	19.72
					75	0	18.55
				16-QAM	1	0	19.41
					75	0	17.80
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 4	10MHz	L 20000	1715.0	QPSK	1	0	20.13
					50	0	18.86
				16-QAM	1	0	18.94
					50	0	17.83
		M 20175	1732.5	QPSK	1	0	19.81
					50	0	18.77
				16-QAM	1	0	19.82
					50	0	17.79
		H 20350	1750.0	QPSK	1	0	19.63
					50	0	18.55
				16-QAM	1	0	18.76
					50	0	17.63



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Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 4	5MHz	L 19975	1712.5	QPSK	1	0	19.93
					25	0	18.69
				16-QAM	1	0	18.97
					25	0	17.73
		M 20175	1732.5	QPSK	1	0	19.81
					25	0	18.58
				16-QAM	1	0	18.77
					25	0	17.90
		H 20375	1752.5	QPSK	1	0	19.68
					25	0	18.44
				16-QAM	1	0	18.86
					25	0	17.35
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 4	3MHz	L 19965	1711.5	QPSK	1	0	19.86
					15	0	18.74
				16-QAM	1	0	18.89
					15	0	17.69
		M 20175	1732.5	QPSK	1	0	19.56
					15	0	18.54
				16-QAM	1	0	18.89
					15	0	17.82
		H 20385	1753.5	QPSK	1	0	19.12
					15	0	18.23
				16-QAM	1	0	18.58
					15	0	17.35
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 4	1.4MHz	L 19957	1710.7	QPSK	1	0	19.86
					6	0	18.75
				16-QAM	1	0	18.96
					6	0	17.64
		M 20175	1732.5	QPSK	1	0	19.75
					6	0	18.66
				16-QAM	1	0	18.89
					6	0	17.78
		H 20393	1754.3	QPSK	1	0	18.92
					6	0	17.81
				16-QAM	1	0	18.39
					6	0	16.88



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Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 7	20MHz	L 20850	2510	QPSK	1	0	19.76
					100	0	17.98
				16-QAM	1	0	18.82
					100	0	16.83
		M 21100	2535	QPSK	1	0	18.74
					100	0	17.78
				16-QAM	1	0	17.94
					100	0	16.69
		H 21350	2560	QPSK	1	0	18.78
					100	0	17.71
				16-QAM	1	0	18.29
					100	0	16.59
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 7	15MHz	L 20825	2507.5	QPSK	1	0	19.81
					75	0	17.86
				16-QAM	1	0	18.93
					75	0	16.74
		M 21100	2535	QPSK	1	0	18.99
					75	0	17.83
				16-QAM	1	0	17.95
					75	0	16.62
		H 21375	2562.5	QPSK	1	0	19.11
					75	0	17.80
				16-QAM	1	0	18.36
					75	0	16.81
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 7	10MHz	L 20800	2505	QPSK	1	0	19.38
					50	0	17.85
				16-QAM	1	0	18.79
					50	0	17.15
		M 21100	2535	QPSK	1	0	18.79
					50	0	17.63
				16-QAM	1	0	18.24
					50	0	16.76
		H 21400	2565	QPSK	1	0	18.51
					50	0	17.89
				16-QAM	1	0	18.53
					50	0	16.69



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Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		EIRP (dBm)
					RB Size	RB Offset	
LTE Band 7	5MHz	L 20775	2502.5	QPSK	1	0	19.32
					25	0	18.74
				16-QAM	1	0	18.68
					25	0	17.71
		M 21100	2535	QPSK	1	0	18.66
					25	0	17.81
				16-QAM	1	0	17.69
					25	0	16.67
		H 21425	2567.5	QPSK	1	0	19.88
					25	0	15.59
				16-QAM	1	0	17.86
					25	0	15.08

Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 17	10MHz	L 23780	709	QPSK	1	0	18.41
					50	0	18.69
				16-QAM	1	0	16.94
					50	0	16.71
		M 23790	710	QPSK	1	0	17.86
					50	0	17.56
				16-QAM	1	0	19.65
					50	0	16.87
		H 23800	711	QPSK	1	0	17.68
					50	0	17.89
				16-QAM	1	0	17.34
					50	0	18.34
Band	Band Width	Channel	Freq.(MHz)	Modulation	RB Configuration		ERP (dBm)
					RB Size	RB Offset	
LTE Band 17	5MHz	L 23755	706.5	QPSK	1	0	18.46
					25	0	16.55
				16-QAM	1	0	17.89
					25	0	15.87
		M 23790	710	QPSK	1	0	18.66
					25	0	17.97
				16-QAM	1	0	19.08
					25	0	17.23
		H 23825	713.5	QPSK	1	0	19.36
					25	0	18.21
				16-QAM	1	0	19.33
					25	0	17.36



2.8 Radiated Spurious Emissions

2.8.1 Requirement

According to FCC section 2.1053 and section 27.53(g), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10*\log(P)$ dB. This calculated to be -13dBm.

2.8.2 Test Description

See section 2.7.2 of this report.

Note: when doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.8.3 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

Test Plots for the Whole Measurement Frequency Range:

Note1: the power of the EUT transmitting frequency should be ignored.

Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.



LTE Band 2 1.4MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-73.36	-13.00	Horizontal	PASS
2	122.150	-80.94	-13.00	Horizontal	PASS
3	299.660	-74.62	-13.00	Horizontal	PASS
4	562.530	-72.82	-13.00	Horizontal	PASS
5	1960.384	-37.98	-13.00	Horizontal	PASS
6	8947.409	-40.80	-13.00	Horizontal	PASS



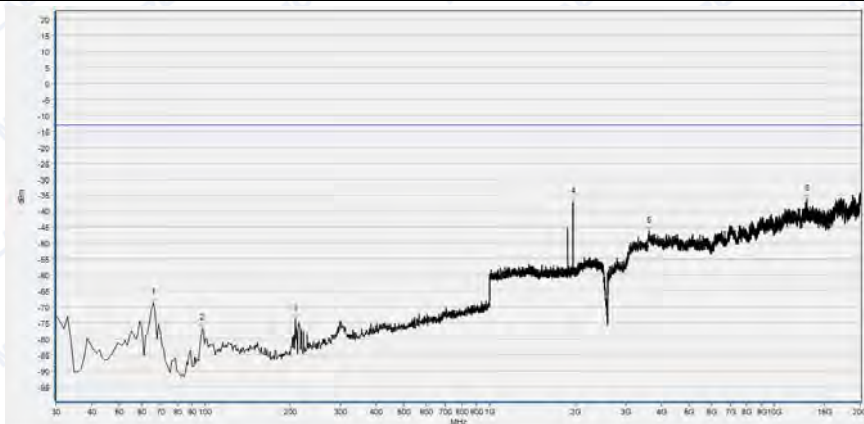
Num.	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	64.920	-64.52	-13.00	Vertical	PASS
2	211.390	-73.69	-13.00	Vertical	PASS
3	419.940	-73.42	-13.00	Vertical	PASS
4	1960.384	-38.19	-13.00	Vertical	PASS
5	7010.911	-43.35	-13.00	Vertical	PASS
6	10915.548	-39.44	-13.00	Vertical	PASS



LTE Band 2 1.4MHz BW, Mid Channel, 16QAM



Num	Freq(MHz)	Peak	limit PK	Antenna	Verdict
1	64.920	-73.11	-13.00	Horizontal	PASS
2	120.210	-80.52	-13.00	Horizontal	PASS
3	299.660	-74.58	-13.00	Horizontal	PASS
4	612.970	-71.70	-13.00	Horizontal	PASS
5	1960.384	-37.07	-13.00	Horizontal	PASS
6	17000.327	-35.68	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-68.63	-13.00	Vertical	PASS
2	97.900	-76.82	-13.00	Vertical	PASS
3	207.510	-73.77	-13.00	Vertical	PASS
4	1961.024	-37.27	-13.00	Vertical	PASS
5	3622.040	-46.33	-13.00	Vertical	PASS
6	12965.957	-36.25	-13.00	Vertical	PASS



LTE Band 2 3MHz BW, Mid Channel, QPSK



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-70.59	-13.00	Horizontal	PASS
2	120.210	-80.08	-13.00	Horizontal	PASS
3	299.660	-74.58	-13.00	Horizontal	PASS
4	1960.384	-38.28	-13.00	Horizontal	PASS
5	3615.712	-46.09	-13.00	Horizontal	PASS
6	11722.422	-38.32	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-66.77	-13.00	Vertical	PASS
2	98.870	-76.61	-13.00	Vertical	PASS
3	212.360	-72.52	-13.00	Vertical	PASS
4	298.690	-73.75	-13.00	Vertical	PASS
5	1960.384	-34.95	-13.00	Vertical	PASS
6	16494.053	-34.93	-13.00	Vertical	PASS



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LTE Band 2 3MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	66.860	-73.49	-13.00	Horizontal	PASS
2	150.280	-80.61	-13.00	Horizontal	PASS
3	298.690	-74.85	-13.00	Horizontal	PASS
4	706.090	-70.37	-13.00	Horizontal	PASS
5	1961.024	-37.92	-13.00	Horizontal	PASS
6	11848.991	-38.31	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-68.67	-13.00	Vertical	PASS
2	212.360	-73.02	-13.00	Vertical	PASS
3	298.690	-73.94	-13.00	Vertical	PASS
4	1959.744	-36.19	-13.00	Vertical	PASS
5	5004.801	-45.78	-13.00	Vertical	PASS
6	11719.258	-38.61	-13.00	Vertical	PASS



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LTE Band 2 5MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-70.82	-13.00	Horizontal	PASS
2	208.480	-79.09	-13.00	Horizontal	PASS
3	297.720	-74.85	-13.00	Horizontal	PASS
4	1959.104	-35.92	-13.00	Horizontal	PASS
5	4621.931	-47.20	-13.00	Horizontal	PASS
6	12994.435	-37.22	-13.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-68.97	-13.00	Vertical	PASS
2	97.900	-77.55	-13.00	Vertical	PASS
3	208.480	-70.94	-13.00	Vertical	PASS
4	714.820	-70.94	-13.00	Vertical	PASS
5	1959.744	-35.20	-13.00	Vertical	PASS
6	12795.090	-36.43	-13.00	Vertical	PASS

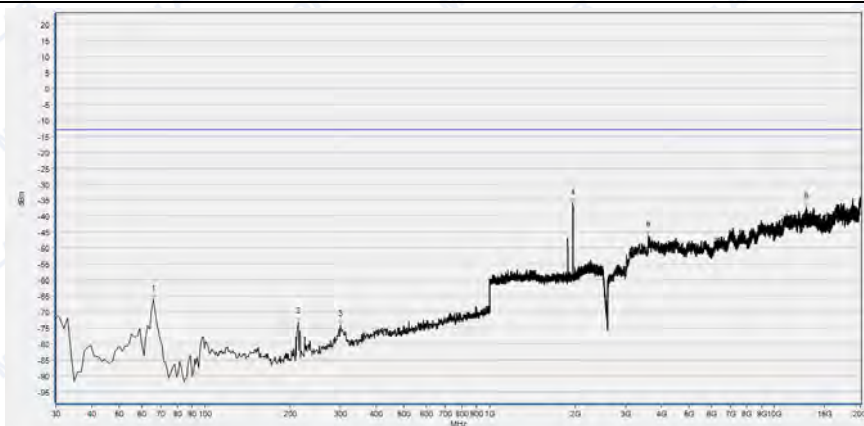


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LTE Band 2 5MHz BW, Mid Channel, 16QAM



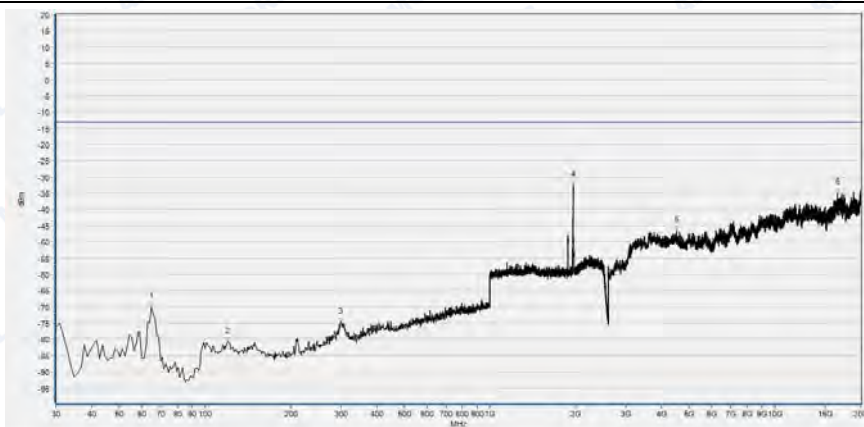
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-75.08	-13.00	Horizontal	PASS
2	207.510	-78.21	-13.00	Horizontal	PASS
3	298.690	-74.87	-13.00	Horizontal	PASS
4	1959.104	-36.27	-13.00	Horizontal	PASS
5	7039.389	-44.01	-13.00	Horizontal	PASS
6	16750.355	-34.34	-13.00	Horizontal	PASS



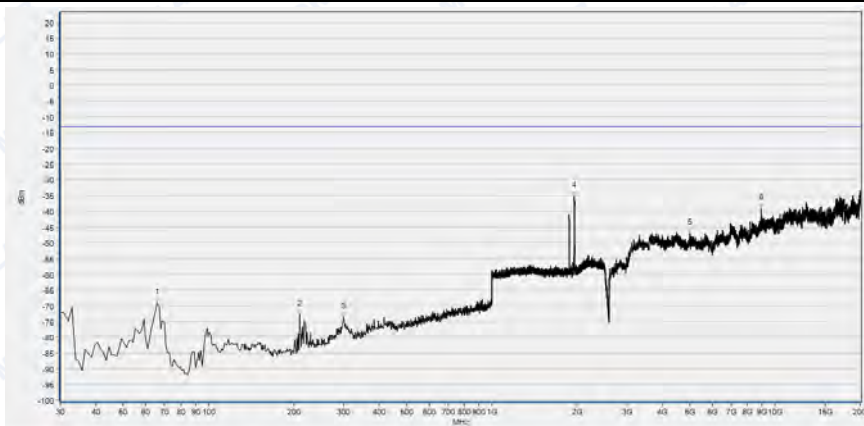
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-66.16	-13.00	Vertical	PASS
2	213.330	-73.19	-13.00	Vertical	PASS
3	298.690	-74.12	-13.00	Vertical	PASS
4	1959.744	-36.01	-13.00	Vertical	PASS
5	3603.055	-46.05	-13.00	Vertical	PASS
6	12893.181	-37.13	-13.00	Vertical	PASS



LTE Band 2 10MHz BW, Mid Channel, QPSK



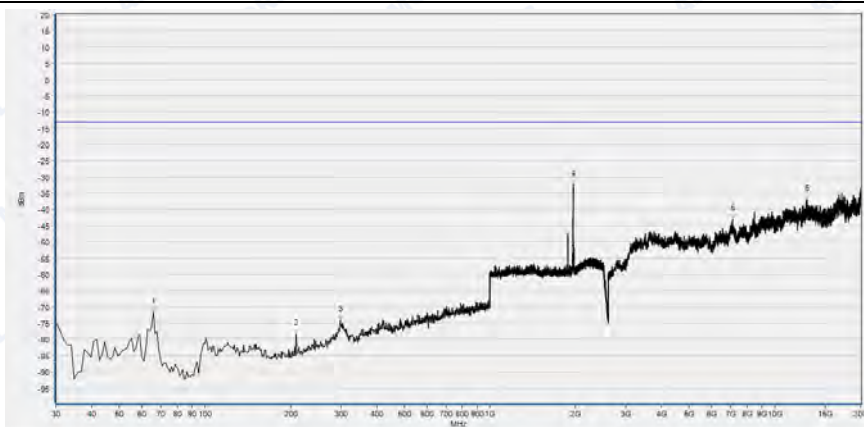
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-70.08	-13.00	Horizontal	PASS
2	120.210	-80.71	-13.00	Horizontal	PASS
3	298.690	-74.85	-13.00	Horizontal	PASS
4	1959.104	-32.55	-13.00	Horizontal	PASS
5	4514.348	-46.57	-13.00	Horizontal	PASS
6	16569.995	-34.91	-13.00	Horizontal	PASS



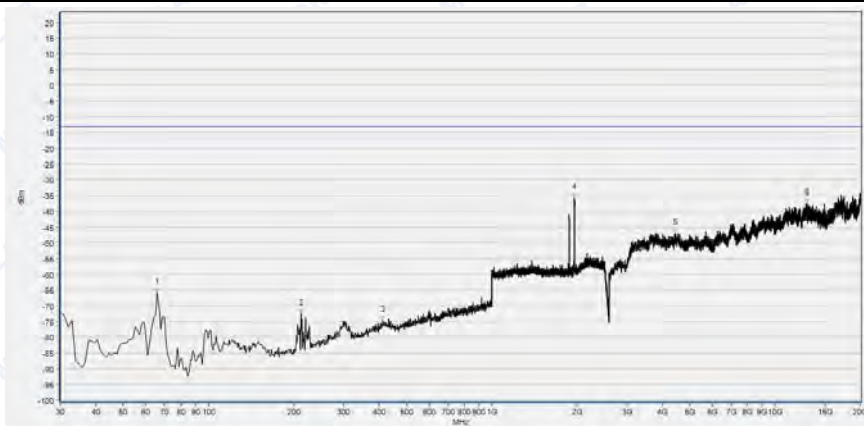
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-69.04	-13.00	Vertical	PASS
2	209.450	-72.79	-13.00	Vertical	PASS
3	299.660	-73.64	-13.00	Vertical	PASS
4	1957.183	-35.13	-13.00	Vertical	PASS
5	4988.980	-47.02	-13.00	Vertical	PASS
6	8950.573	-39.19	-13.00	Vertical	PASS



LTE Band 2 10MHz BW, Mid Channel, 16QAM



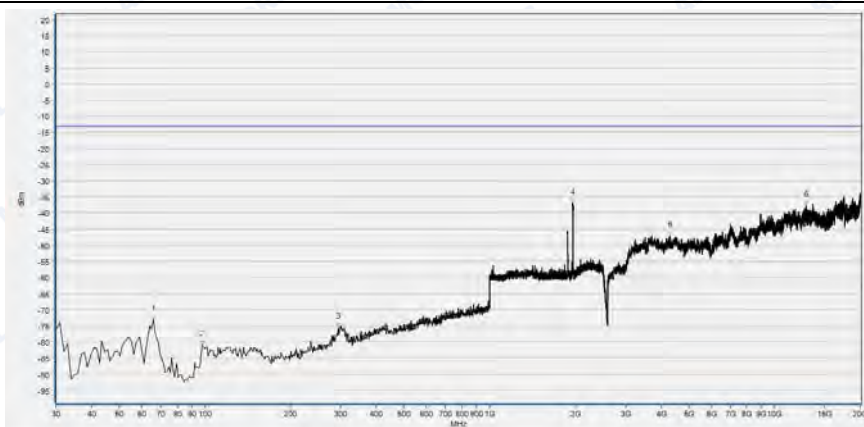
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-71.54	-13.00	Horizontal	PASS
2	208.480	-78.40	-13.00	Horizontal	PASS
3	298.690	-74.10	-13.00	Horizontal	PASS
4	1956.543	-32.30	-13.00	Horizontal	PASS
5	7086.852	-43.03	-13.00	Horizontal	PASS
6	12965.957	-36.97	-13.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-65.88	-13.00	Vertical	PASS
2	212.360	-72.61	-13.00	Vertical	PASS
3	413.150	-74.71	-13.00	Vertical	PASS
4	1957.823	-35.64	-13.00	Vertical	PASS
5	4451.064	-46.85	-13.00	Vertical	PASS
6	12953.301	-37.51	-13.00	Vertical	PASS



LTE Band 2 15MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-72.93	-13.00	Horizontal	PASS
2	97.900	-80.88	-13.00	Horizontal	PASS
3	293.840	-75.39	-13.00	Horizontal	PASS
4	1954.622	-36.96	-13.00	Horizontal	PASS
5	4315.003	-47.14	-13.00	Horizontal	PASS
6	12893.181	-37.58	-13.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-67.85	-13.00	Vertical	PASS
2	211.390	-74.76	-13.00	Vertical	PASS
3	300.630	-74.62	-13.00	Vertical	PASS
4	1955.902	-34.10	-13.00	Vertical	PASS
5	4359.302	-46.59	-13.00	Vertical	PASS
6	12877.360	-37.82	-13.00	Vertical	PASS



LTE Band 2 15MHz BW, Mid Channel, 16QAM



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-74.20	-13.00	Horizontal	PASS
2	117.300	-80.78	-13.00	Horizontal	PASS
3	299.660	-74.40	-13.00	Horizontal	PASS
4	1964.866	-36.72	-13.00	Horizontal	PASS
5	4479.542	-46.15	-13.00	Horizontal	PASS
6	11716.094	-36.05	-13.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-68.06	-13.00	Vertical	PASS
2	225.940	-76.77	-13.00	Vertical	PASS
3	300.630	-73.61	-13.00	Vertical	PASS
4	1957.183	-35.33	-13.00	Vertical	PASS
5	4501.691	-47.17	-13.00	Vertical	PASS
6	11070.595	-38.76	-13.00	Vertical	PASS

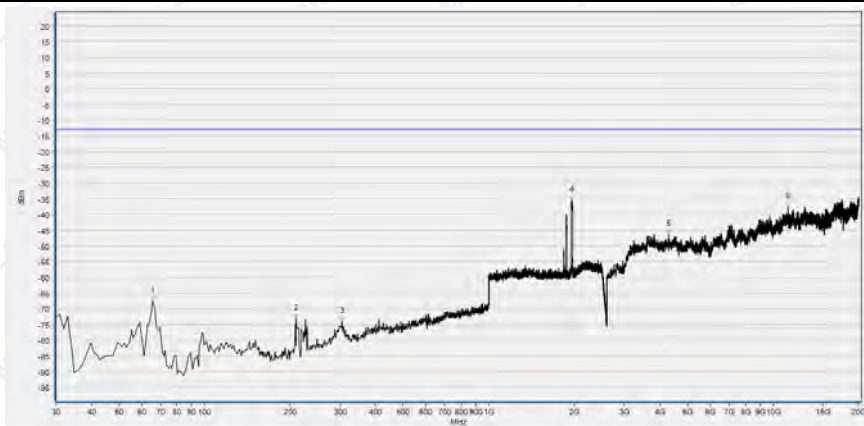


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LTE Band 2 20MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-74.89	-13.00	Horizontal	PASS
2	208.480	-79.53	-13.00	Horizontal	PASS
3	294.810	-75.06	-13.00	Horizontal	PASS
4	1952.701	-35.07	-13.00	Horizontal	PASS
5	3628.369	-46.23	-13.00	Horizontal	PASS
6	17136.388	-34.96	-13.00	Horizontal	PASS



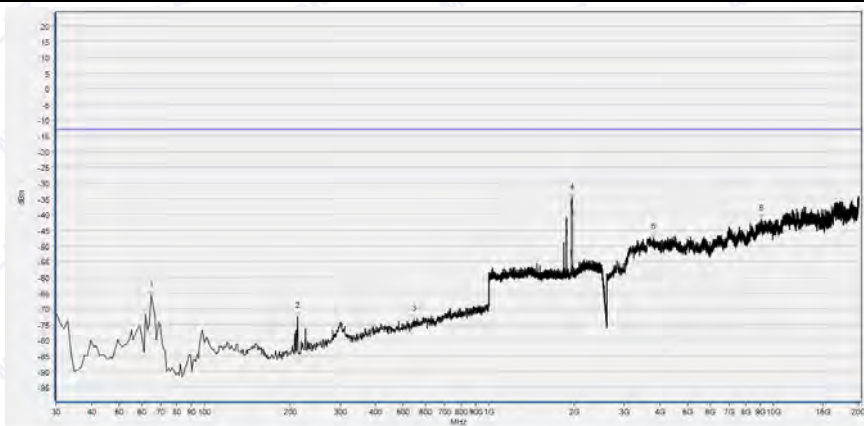
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	65.890	-67.64	-13.00	Vertical	PASS
2	210.420	-73.17	-13.00	Vertical	PASS
3	304.510	-74.18	-13.00	Vertical	PASS
4	1953.982	-35.53	-13.00	Vertical	PASS
5	4280.196	-46.30	-13.00	Vertical	PASS
6	11263.612	-37.68	-13.00	Vertical	PASS



LTE Band 2 20MHz BW, Mid Channel, 16QAM



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	63.950	-73.10	-13.00	Horizontal	PASS
2	210.420	-76.95	-13.00	Horizontal	PASS
3	299.660	-73.92	-13.00	Horizontal	PASS
4	1956.543	-36.50	-13.00	Horizontal	PASS
5	5023.786	-47.10	-13.00	Horizontal	PASS
6	12890.016	-37.80	-13.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	64.920	-65.86	-13.00	Vertical	PASS
2	212.360	-72.41	-13.00	Vertical	PASS
3	544.100	-73.33	-13.00	Vertical	PASS
4	1955.262	-34.90	-13.00	Vertical	PASS
5	3786.579	-47.27	-13.00	Vertical	PASS
6	9089.798	-41.58	-13.00	Vertical	PASS



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LTE Band 4 1.4MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	37.768	-71.64	-13.00	Horizontal	PASS
2	119.329	-75.61	-13.00	Horizontal	PASS
3	399.940	-69.84	-13.00	Horizontal	PASS
4	1732.366	-43.66	-13.00	Horizontal	PASS
5	2133.367	-41.16	-13.00	Horizontal	PASS
6	17464.977	-35.11	-13.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.739	-69.41	-13.00	Vertical	PASS
2	167.878	-70.06	-13.00	Vertical	PASS
3	394.114	-69.82	-13.00	Vertical	PASS
4	1733.167	-43.44	-13.00	Vertical	PASS
5	2132.566	-40.92	-13.00	Vertical	PASS
6	13047.541	-37.02	-13.00	Vertical	PASS

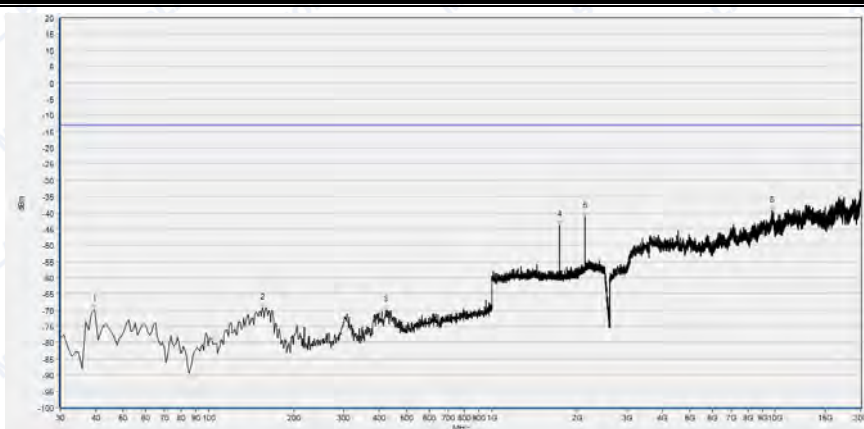


REPORT No.: SZ15070060W02

LTE Band 4 1.4MHz BW, Mid Channel, 16QAM



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	36.797	-72.23	-13.00	Horizontal	PASS
2	118.358	-75.16	-13.00	Horizontal	PASS
3	412.563	-69.15	-13.00	Horizontal	PASS
4	1733.167	-43.55	-13.00	Horizontal	PASS
5	2132.566	-42.51	-13.00	Horizontal	PASS
6	17433.072	-35.00	-13.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	39.710	-69.73	-13.00	Vertical	PASS
2	155.255	-69.44	-13.00	Vertical	PASS
3	422.272	-70.02	-13.00	Vertical	PASS
4	1733.167	-44.01	-13.00	Vertical	PASS
5	2132.566	-41.17	-13.00	Vertical	PASS
6	9740.990	-39.34	-13.00	Vertical	PASS

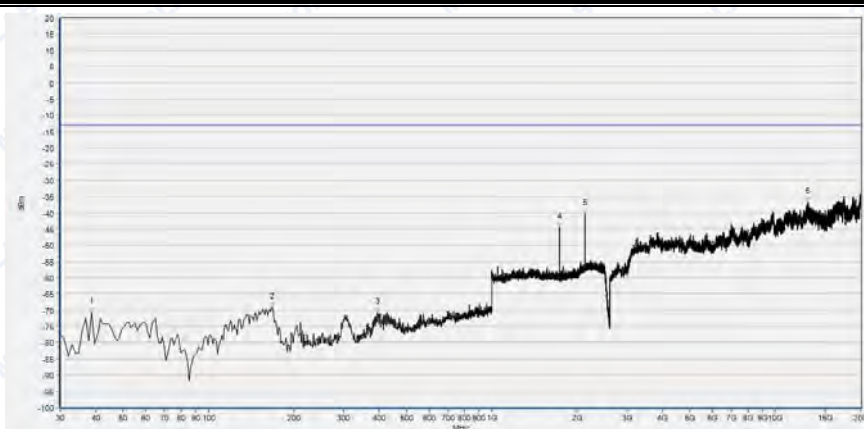


REPORT No.: SZ15070060W02

LTE Band 4 3MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.739	-70.41	-13.00	Horizontal	PASS
2	118.358	-74.51	-13.00	Horizontal	PASS
3	400.911	-68.97	-13.00	Horizontal	PASS
4	1732.366	-44.82	-13.00	Horizontal	PASS
5	2133.367	-39.49	-13.00	Horizontal	PASS
6	10857.676	-38.73	-13.00	Horizontal	PASS



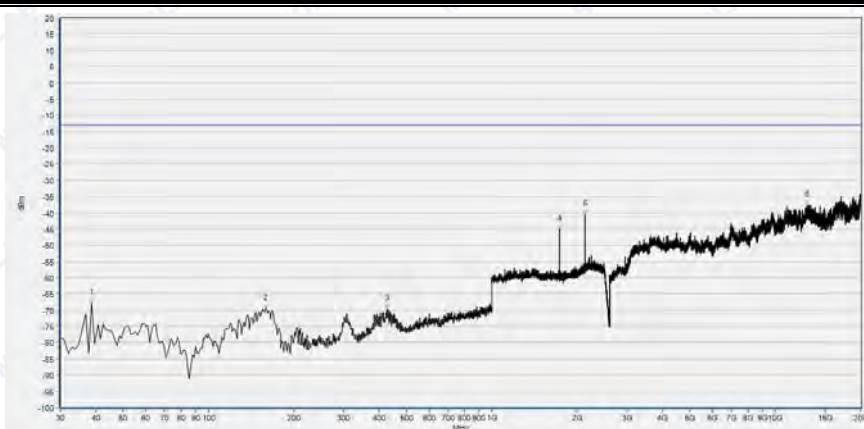
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.739	-70.72	-13.00	Vertical	PASS
2	167.878	-69.24	-13.00	Vertical	PASS
3	395.085	-70.65	-13.00	Vertical	PASS
4	1732.366	-44.51	-13.00	Vertical	PASS
5	2132.566	-40.34	-13.00	Vertical	PASS
6	13050.442	-36.85	-13.00	Vertical	PASS



LTE Band 4 3MHz BW, Mid Channel, 16QAM



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	36.797	-66.80	-13.00	Horizontal	PASS
2	119.329	-74.47	-13.00	Horizontal	PASS
3	390.230	-69.34	-13.00	Horizontal	PASS
4	1732.366	-45.39	-13.00	Horizontal	PASS
5	2133.367	-39.58	-13.00	Horizontal	PASS
6	9764.194	-40.30	-13.00	Horizontal	PASS

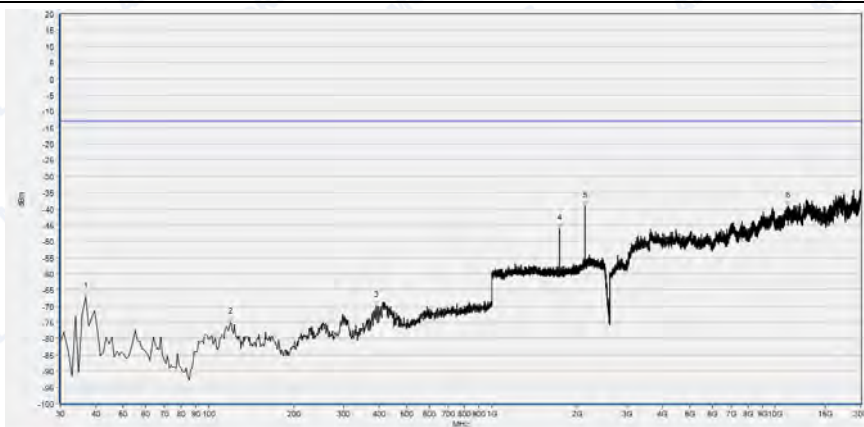


Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.739	-67.74	-13.00	Vertical	PASS
2	159.139	-69.55	-13.00	Vertical	PASS
3	426.156	-69.52	-13.00	Vertical	PASS
4	1731.566	-45.30	-13.00	Vertical	PASS
5	2132.566	-40.63	-13.00	Vertical	PASS
6	12969.228	-37.60	-13.00	Vertical	PASS

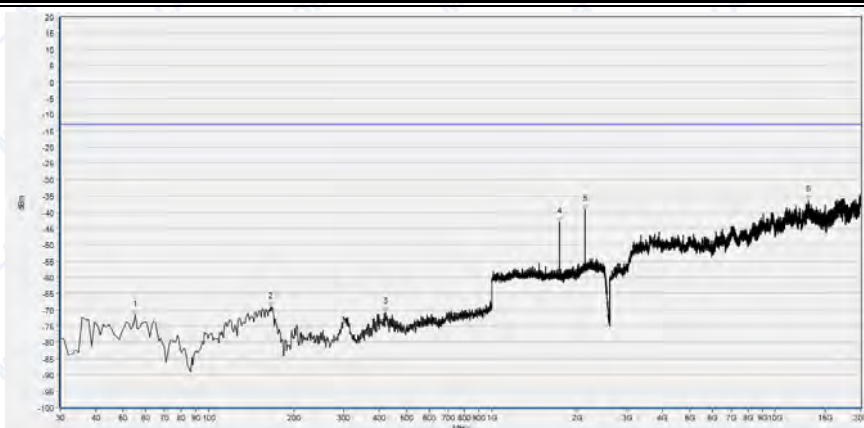


REPORT No.: SZ15070060W02

LTE Band 4 5MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	36.797	-67.15	-13.00	Horizontal	PASS
2	119.329	-74.99	-13.00	Horizontal	PASS
3	391.201	-69.73	-13.00	Horizontal	PASS
4	1730.765	-46.22	-13.00	Horizontal	PASS
5	2131.766	-39.29	-13.00	Horizontal	PASS
6	11083.914	-39.15	-13.00	Horizontal	PASS



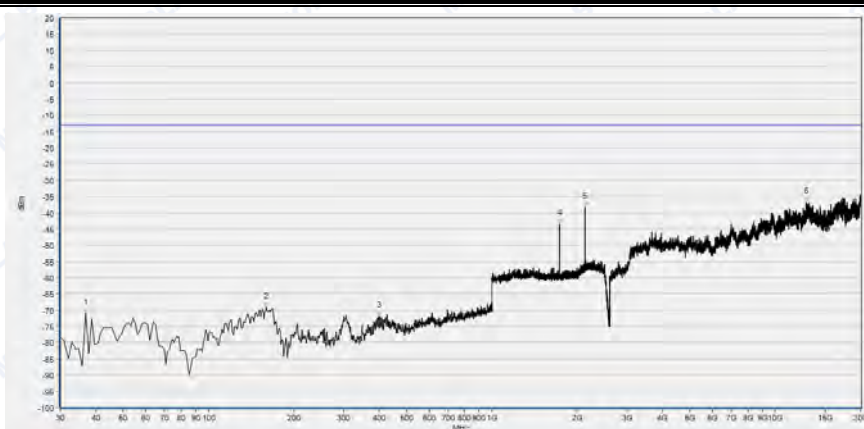
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	55.245	-71.58	-13.00	Vertical	PASS
2	165.936	-69.14	-13.00	Vertical	PASS
3	421.301	-70.82	-13.00	Vertical	PASS
4	1732.366	-43.12	-13.00	Vertical	PASS
5	2131.766	-39.27	-13.00	Vertical	PASS
6	13059.143	-36.37	-13.00	Vertical	PASS



LTE Band 4 5MHz BW, Mid Channel, 16QAM



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.739	-72.00	-13.00	Horizontal	PASS
2	119.329	-74.52	-13.00	Horizontal	PASS
3	419.359	-69.20	-13.00	Horizontal	PASS
4	1730.765	-45.80	-13.00	Horizontal	PASS
5	2133.367	-40.16	-13.00	Horizontal	PASS
6	11733.622	-38.08	-13.00	Horizontal	PASS



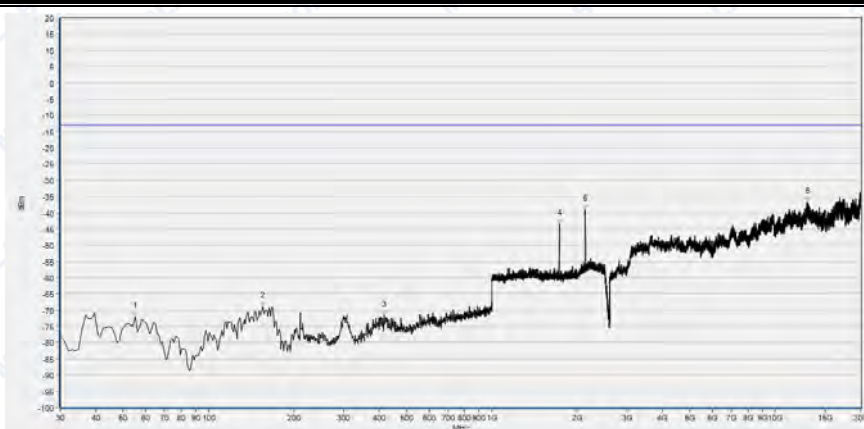
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	36.797	-70.91	-13.00	Vertical	PASS
2	160.110	-69.26	-13.00	Vertical	PASS
3	398.969	-71.79	-13.00	Vertical	PASS
4	1731.566	-43.46	-13.00	Vertical	PASS
5	2131.766	-38.36	-13.00	Vertical	PASS
6	12876.413	-36.75	-13.00	Vertical	PASS



LTE Band 4 10MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	35.826	-70.33	-13.00	Horizontal	PASS
2	209.630	-74.86	-13.00	Horizontal	PASS
3	402.853	-68.52	-13.00	Horizontal	PASS
4	1731.566	-43.76	-13.00	Horizontal	PASS
5	2129.365	-41.53	-13.00	Horizontal	PASS
6	9830.905	-38.70	-13.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	55.245	-72.01	-13.00	Vertical	PASS
2	155.255	-68.90	-13.00	Vertical	PASS
3	417.417	-71.68	-13.00	Vertical	PASS
4	1730.765	-43.45	-13.00	Vertical	PASS
5	2134.167	-39.04	-13.00	Vertical	PASS
6	13027.238	-36.67	-13.00	Vertical	PASS

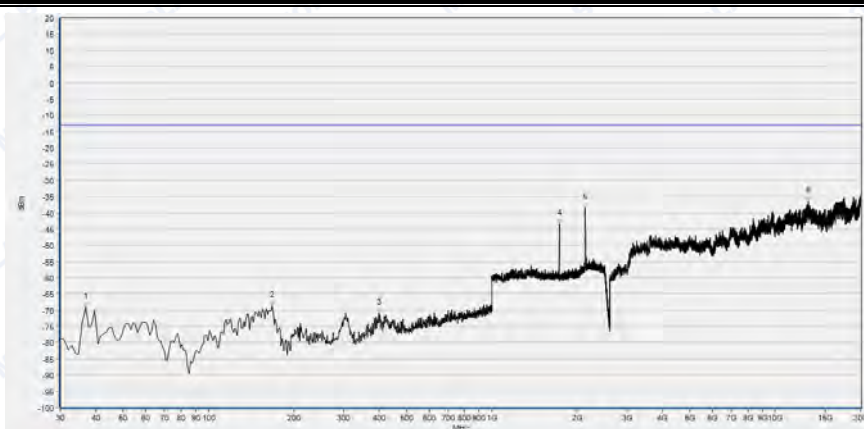


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LTE Band 4 10MHz BW, Mid Channel, 16QAM



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	35.826	-71.65	-13.00	Horizontal	PASS
2	115.445	-75.49	-13.00	Horizontal	PASS
3	415.475	-68.24	-13.00	Horizontal	PASS
4	1729.965	-44.35	-13.00	Horizontal	PASS
5	2134.167	-42.11	-13.00	Horizontal	PASS
6	9735.189	-38.96	-13.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	36.797	-69.26	-13.00	Vertical	PASS
2	167.878	-68.79	-13.00	Vertical	PASS
3	398.969	-71.05	-13.00	Vertical	PASS
4	1730.765	-43.53	-13.00	Vertical	PASS
5	2134.167	-38.45	-13.00	Vertical	PASS
6	13053.342	-36.53	-13.00	Vertical	PASS

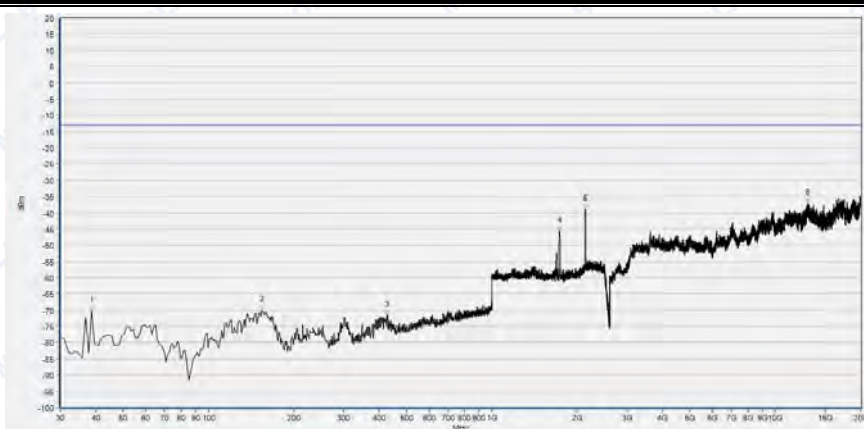


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LTE Band 4 15MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.739	-71.21	-13.00	Horizontal	PASS
2	241.672	-73.69	-13.00	Horizontal	PASS
3	413.534	-67.71	-13.00	Horizontal	PASS
4	1732.366	-45.74	-13.00	Horizontal	PASS
5	2134.167	-38.39	-13.00	Horizontal	PASS
6	12983.731	-36.76	-13.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.739	-70.36	-13.00	Vertical	PASS
2	154.284	-70.15	-13.00	Vertical	PASS
3	426.156	-71.58	-13.00	Vertical	PASS
4	1733.967	-45.60	-13.00	Vertical	PASS
5	2137.369	-39.06	-13.00	Vertical	PASS
6	13044.641	-37.27	-13.00	Vertical	PASS



LTE Band 4 15MHz BW, Mid Channel, 16QAM



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	36.797	-66.86	-13.00	Horizontal	PASS
2	136.807	-69.59	-13.00	Horizontal	PASS
3	412.563	-68.14	-13.00	Horizontal	PASS
4	1729.965	-47.44	-13.00	Horizontal	PASS
5	2130.165	-36.18	-13.00	Horizontal	PASS
6	13056.243	-37.17	-13.00	Horizontal	PASS



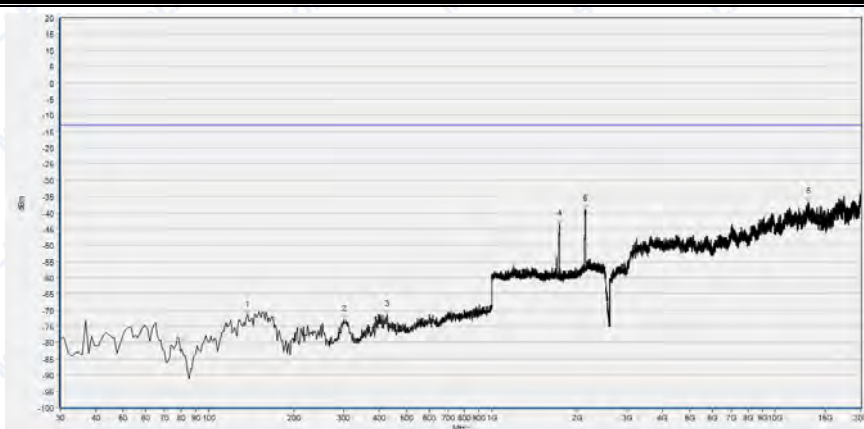
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	39.710	-71.30	-13.00	Vertical	PASS
2	136.807	-71.34	-13.00	Vertical	PASS
3	398.969	-70.70	-13.00	Vertical	PASS
4	1731.566	-45.18	-13.00	Vertical	PASS
5	2137.369	-39.45	-13.00	Vertical	PASS
6	12972.129	-37.43	-13.00	Vertical	PASS



LTE Band 4 20MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	36.797	-71.54	-13.00	Horizontal	PASS
2	119.329	-74.73	-13.00	Horizontal	PASS
3	390.230	-69.20	-13.00	Horizontal	PASS
4	1731.566	-43.53	-13.00	Horizontal	PASS
5	2132.566	-38.64	-13.00	Horizontal	PASS
6	13204.167	-37.17	-13.00	Horizontal	PASS



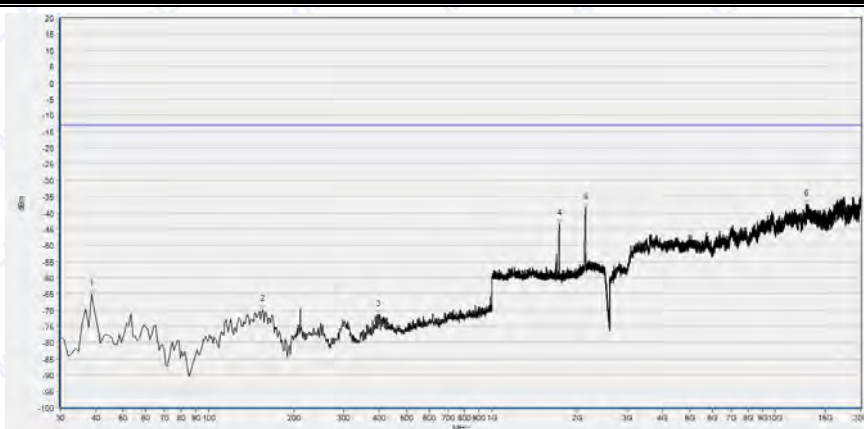
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	136.807	-71.52	-13.00	Vertical	PASS
2	300.901	-73.00	-13.00	Vertical	PASS
3	427.127	-71.49	-13.00	Vertical	PASS
4	1729.965	-43.68	-13.00	Vertical	PASS
5	2137.369	-38.97	-13.00	Vertical	PASS
6	13064.944	-36.80	-13.00	Vertical	PASS



LTE Band 4 20MHz BW, Mid Channel, 16QAM



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	36.797	-69.08	-13.00	Horizontal	PASS
2	120.300	-74.39	-13.00	Horizontal	PASS
3	416.446	-68.76	-13.00	Horizontal	PASS
4	1731.566	-43.37	-13.00	Horizontal	PASS
5	2134.967	-37.39	-13.00	Horizontal	PASS
6	12966.328	-36.99	-13.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.739	-65.06	-13.00	Vertical	PASS
2	155.255	-69.94	-13.00	Vertical	PASS
3	397.027	-71.32	-13.00	Vertical	PASS
4	1730.765	-43.54	-13.00	Vertical	PASS
5	2141.371	-38.63	-13.00	Vertical	PASS
6	12879.313	-37.46	-13.00	Vertical	PASS



LTE Band 7 5MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	43.580	-77.18	-25.00	Horizontal	PASS
2	152.220	-66.49	-25.00	Horizontal	PASS
3	355.920	-76.14	-25.00	Horizontal	PASS
4	1315.006	-57.19	-25.00	Horizontal	PASS
5	3311.948	-47.38	-25.00	Horizontal	PASS
6	11738.243	-35.72	-25.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.730	-65.61	-25.00	Vertical	PASS
2	213.330	-76.35	-25.00	Vertical	PASS
3	300.630	-74.98	-25.00	Vertical	PASS
4	2181.273	-53.55	-25.00	Vertical	PASS
5	3694.817	-45.53	-25.00	Vertical	PASS
6	16766.176	-31.38	-25.00	Vertical	PASS



LTE Band 7 5MHz BW, Mid Channel, 16QAM



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	43.580	-76.88	-25.00	Horizontal	PASS
2	152.220	-67.15	-25.00	Horizontal	PASS
3	506.270	-72.87	-25.00	Horizontal	PASS
4	2162.705	-54.56	-25.00	Horizontal	PASS
5	3707.474	-45.88	-25.00	Horizontal	PASS
6	16478.232	-33.14	-25.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	37.760	-62.53	-25.00	Vertical	PASS
2	98.870	-79.29	-25.00	Vertical	PASS
3	212.360	-76.73	-25.00	Vertical	PASS
4	611.030	-71.64	-25.00	Vertical	PASS
5	3615.712	-46.88	-25.00	Vertical	PASS
6	16405.456	-33.34	-25.00	Vertical	PASS



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LTE Band 7 10MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	37.760	-76.00	-25.00	Horizontal	PASS
2	152.220	-69.90	-25.00	Horizontal	PASS
3	295.780	-69.86	-25.00	Horizontal	PASS
4	1660.104	-57.27	-25.00	Horizontal	PASS
5	5226.296	-45.82	-25.00	Horizontal	PASS
6	12538.789	-37.25	-25.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	36.790	-67.83	-25.00	Vertical	PASS
2	125.060	-79.41	-25.00	Vertical	PASS
3	214.300	-74.23	-25.00	Vertical	PASS
4	573.200	-72.08	-25.00	Vertical	PASS
5	2164.626	-54.14	-25.00	Vertical	PASS
6	15025.859	-35.73	-25.00	Vertical	PASS



LTE Band 7 10MHz BW, Mid Channel, 16QAM



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	48.430	-82.37	-25.00	Horizontal	PASS
2	150.280	-65.64	-25.00	Horizontal	PASS
3	442.250	-72.94	-25.00	Horizontal	PASS
4	1380.952	-56.28	-25.00	Horizontal	PASS
5	4530.169	-46.16	-25.00	Horizontal	PASS
6	11741.408	-38.13	-25.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.730	-61.09	-25.00	Vertical	PASS
2	214.300	-76.55	-25.00	Vertical	PASS
3	298.690	-74.71	-25.00	Vertical	PASS
4	2290.756	-54.20	-25.00	Vertical	PASS
5	3707.474	-46.51	-25.00	Vertical	PASS
6	16804.146	-31.80	-25.00	Vertical	PASS



LTE Band 7 15MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	43.580	-76.67	-25.00	Horizontal	PASS
2	148.340	-66.20	-25.00	Horizontal	PASS
3	297.720	-73.64	-25.00	Horizontal	PASS
4	1624.890	-57.37	-25.00	Horizontal	PASS
5	4482.706	-46.76	-25.00	Horizontal	PASS
6	16569.995	-32.51	-25.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	37.760	-65.02	-25.00	Vertical	PASS
2	125.060	-78.77	-25.00	Vertical	PASS
3	210.420	-74.92	-25.00	Vertical	PASS
4	515.970	-72.26	-25.00	Vertical	PASS
5	3647.354	-46.61	-25.00	Vertical	PASS
6	17139.553	-32.03	-25.00	Vertical	PASS



LTE Band 7 15MHz BW, Mid Channel, 16QAM



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	36.790	-75.83	-25.00	Horizontal	PASS
2	150.280	-64.89	-25.00	Horizontal	PASS
3	509.180	-70.25	-25.00	Horizontal	PASS
4	2155.662	-54.45	-25.00	Horizontal	PASS
5	3742.280	-46.01	-25.00	Horizontal	PASS
6	16462.411	-31.55	-25.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.730	-62.35	-25.00	Vertical	PASS
2	125.060	-79.42	-25.00	Vertical	PASS
3	300.630	-74.33	-25.00	Vertical	PASS
4	1385.434	-57.07	-25.00	Vertical	PASS
5	6204.037	-46.78	-25.00	Vertical	PASS
6	18769.122	-30.51	-25.00	Vertical	PASS



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LTE Band 7 20MHz BW, Mid Channel, QPSK



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	36.790	-73.94	-25.00	Horizontal	PASS
2	159.010	-65.22	-25.00	Horizontal	PASS
3	297.720	-73.80	-25.00	Horizontal	PASS
4	2200.480	-53.63	-25.00	Horizontal	PASS
5	4508.020	-45.80	-25.00	Horizontal	PASS
6	13586.143	-36.75	-25.00	Horizontal	PASS



Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.730	-66.61	-25.00	Vertical	PASS
2	211.390	-75.40	-25.00	Vertical	PASS
3	512.090	-73.54	-25.00	Vertical	PASS
4	2228.651	-53.98	-25.00	Vertical	PASS
5	7042.553	-44.11	-25.00	Vertical	PASS
6	17114.239	-31.29	-25.00	Vertical	PASS



LTE Band 7 20MHz BW, Mid Channel, 16QAM



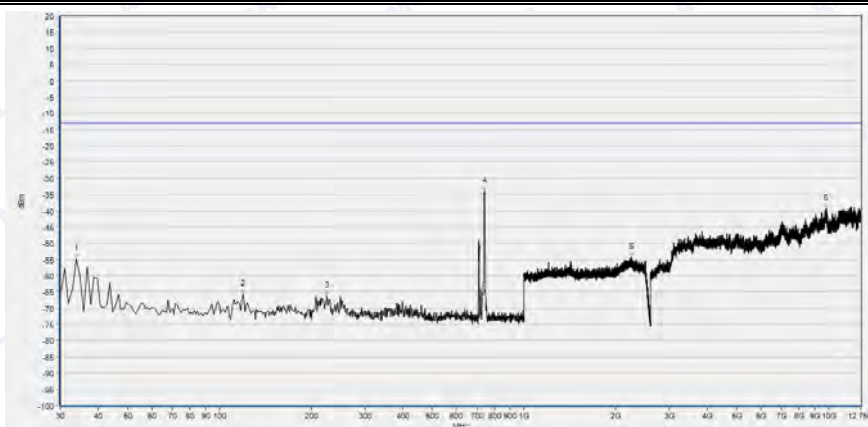
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	32.910	-75.25	-25.00	Horizontal	PASS
2	148.340	-65.08	-25.00	Horizontal	PASS
3	299.660	-73.78	-25.00	Horizontal	PASS
4	613.940	-71.50	-25.00	Horizontal	PASS
5	2240.816	-53.39	-25.00	Horizontal	PASS
6	12890.016	-36.81	-25.00	Horizontal	PASS



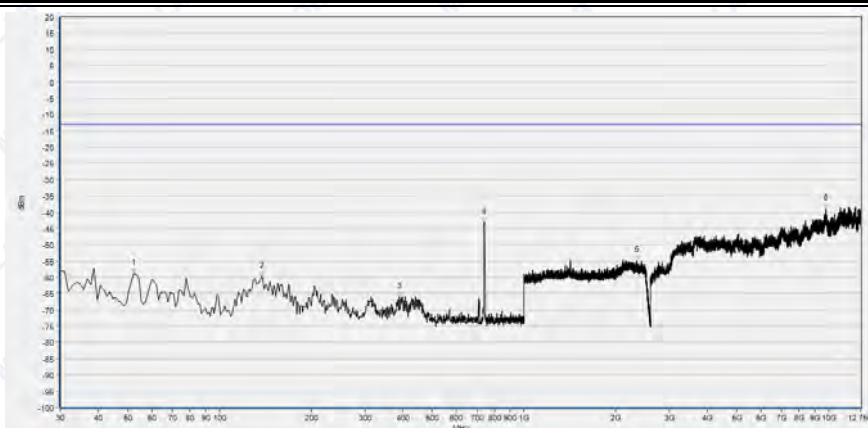
Mum.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.730	-66.52	-25.00	Vertical	PASS
2	209.450	-74.07	-25.00	Vertical	PASS
3	541.190	-73.28	-25.00	Vertical	PASS
4	2324.690	-52.95	-25.00	Vertical	PASS
5	8861.975	-42.06	-25.00	Vertical	PASS
6	16750.355	-31.72	-25.00	Vertical	PASS



LTE Band 17 5MHz BW, Mid Channel, QPSK



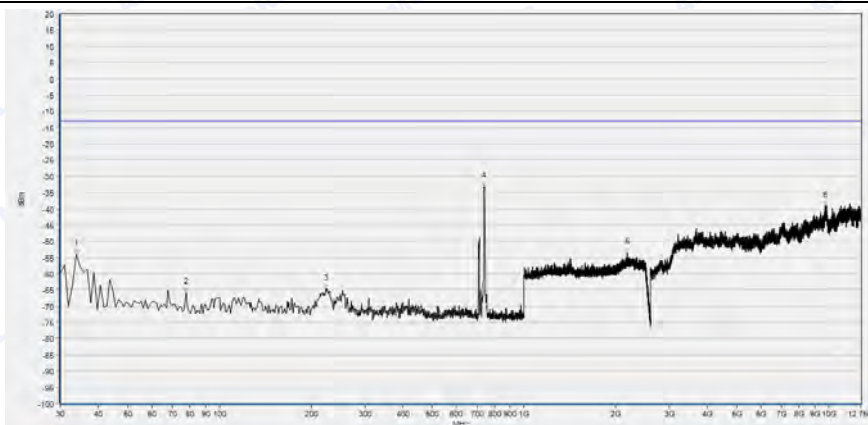
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	33.884	-54.85	-13.00	Horizontal	PASS
2	119.329	-65.84	-13.00	Horizontal	PASS
3	225.165	-66.25	-13.00	Horizontal	PASS
4	739.780	-34.07	-13.00	Horizontal	PASS
5	2247.883	-54.50	-13.00	Horizontal	PASS
6	9805.911	-39.44	-13.00	Horizontal	PASS



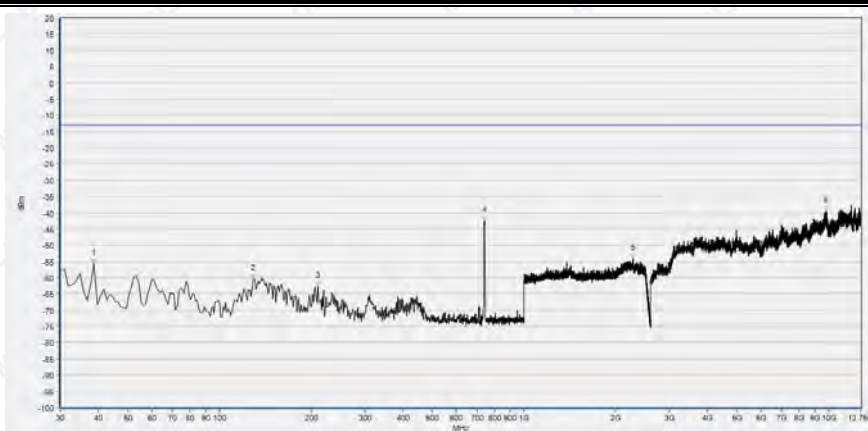
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	52.332	-58.95	-13.00	Vertical	PASS
2	137.778	-59.80	-13.00	Vertical	PASS
3	390.230	-66.09	-13.00	Vertical	PASS
4	738.809	-43.18	-13.00	Vertical	PASS
5	2343.915	-54.91	-13.00	Vertical	PASS
6	9799.820	-38.91	-13.00	Vertical	PASS



LTE Band 17 5MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	33.884	-53.93	-13.00	Horizontal	PASS
2	77.578	-65.92	-13.00	Horizontal	PASS
3	223.223	-64.63	-13.00	Horizontal	PASS
4	738.809	-33.28	-13.00	Horizontal	PASS
5	2179.060	-53.61	-13.00	Horizontal	PASS
6	9742.969	-39.25	-13.00	Horizontal	PASS

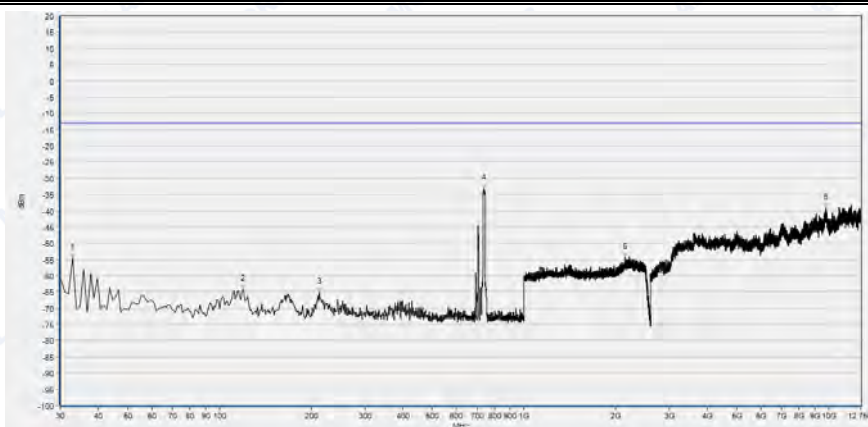


Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.739	-55.70	-13.00	Vertical	PASS
2	129.039	-60.54	-13.00	Vertical	PASS
3	210.601	-62.79	-13.00	Vertical	PASS
4	740.751	-42.50	-13.00	Vertical	PASS
5	2276.159	-54.29	-13.00	Vertical	PASS
6	9783.577	-39.61	-13.00	Vertical	PASS

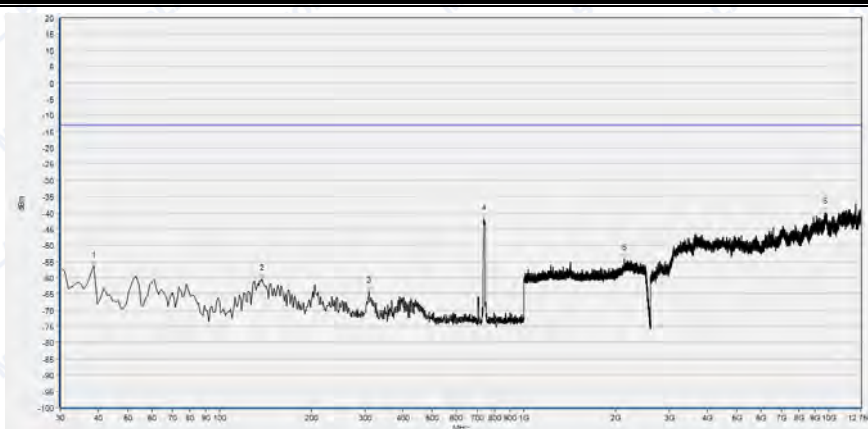


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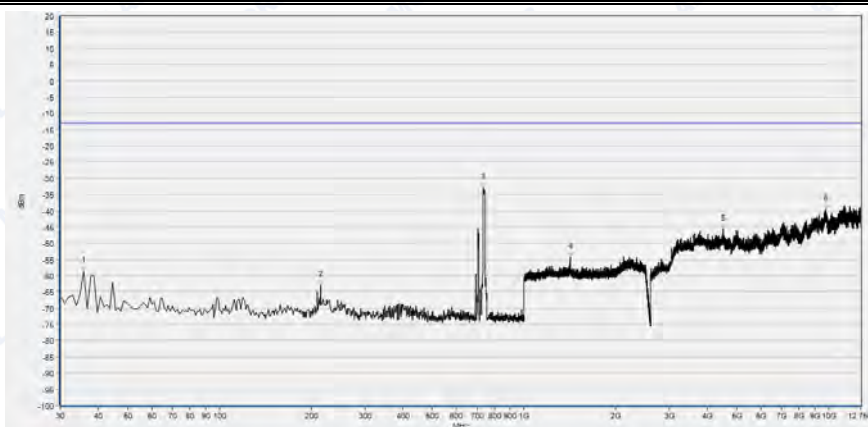
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	32.913	-54.68	-13.00	Horizontal	PASS
2	119.329	-64.29	-13.00	Horizontal	PASS
3	212.543	-65.14	-13.00	Horizontal	PASS
4	737.838	-33.11	-13.00	Horizontal	PASS
5	2139.046	-54.36	-13.00	Horizontal	PASS
6	9773.425	-39.20	-13.00	Horizontal	PASS



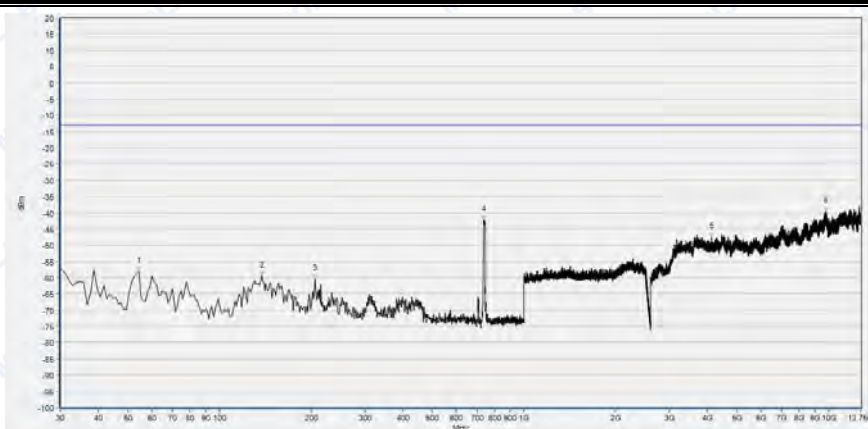
Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	38.739	-56.50	-13.00	Vertical	PASS
2	137.778	-60.45	-13.00	Vertical	PASS
3	309.640	-64.28	-13.00	Vertical	PASS
4	735.896	-41.97	-13.00	Vertical	PASS
5	2127.843	-54.21	-13.00	Vertical	PASS
6	9726.725	-39.92	-13.00	Vertical	PASS



LTE Band 17 10MHz BW, Mid Channel, 16QAM



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	35.826	-58.58	-13.00	Horizontal	PASS
2	214.484	-62.93	-13.00	Horizontal	PASS
3	734.925	-32.91	-13.00	Horizontal	PASS
4	1415.605	-54.34	-13.00	Horizontal	PASS
5	4516.703	-45.80	-13.00	Horizontal	PASS
6	9777.485	-39.69	-13.00	Horizontal	PASS



Num.	Fre. (MHz)	Peak	Limit(PK)	Antenna	Verdict
1	54.274	-58.15	-13.00	Vertical	PASS
2	137.778	-59.64	-13.00	Vertical	PASS
3	205.746	-60.37	-13.00	Vertical	PASS
4	735.896	-42.34	-13.00	Vertical	PASS
5	4122.805	-47.48	-13.00	Vertical	PASS
6	9777.485	-39.56	-13.00	Vertical	PASS

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