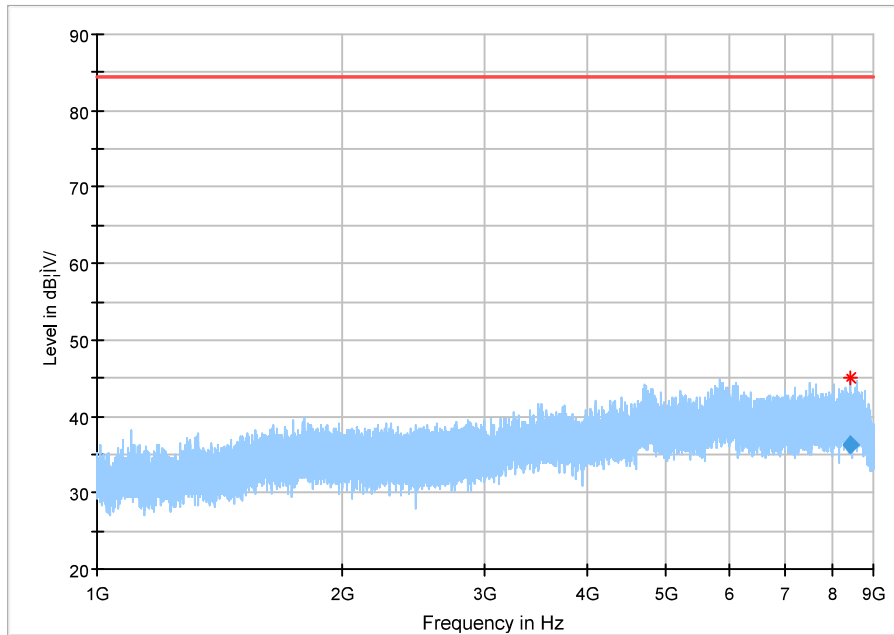


**TEST REPORT**

Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
995.295500	39.09	84.40	45.31	108.3	V	70.0	28.7

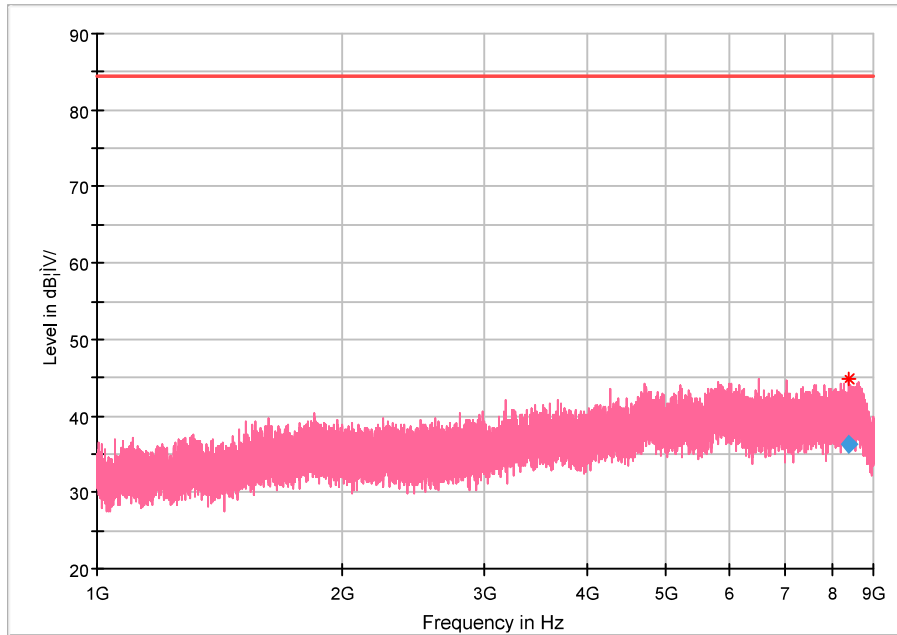
1-9GHz, Horizontal

Full Spectrum



Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8451.000000	36.34	84.40	48.06	124.9	H	257.0	-20.2

1-9GHz, Vertical  
Full Spectrum

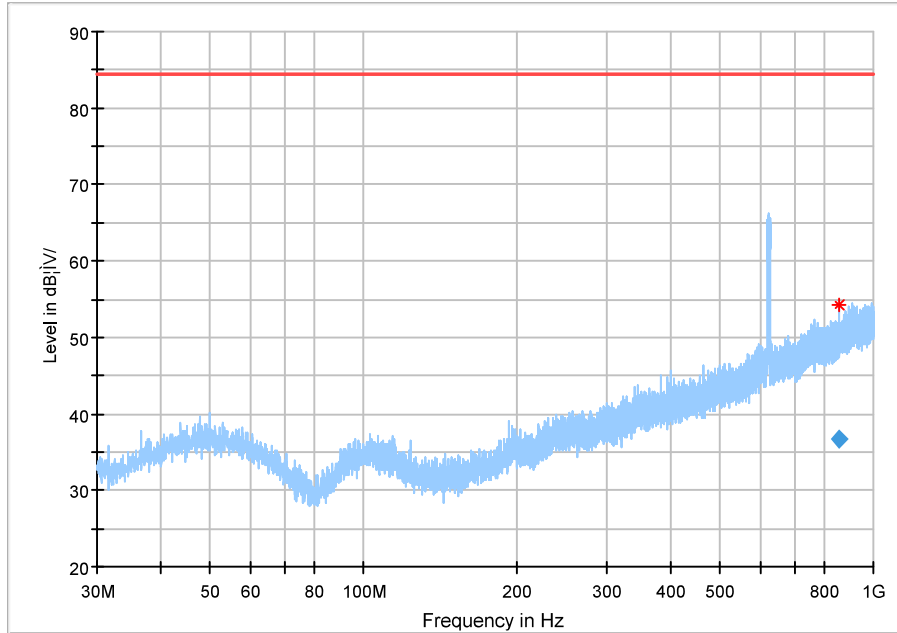


Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8392.400000	36.26	84.40	48.14	107.9	V	1.0	-20.3

Configuration	Channel Position	Carrier	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Modulation
NR+LTE-MC-1-UE	B	1NR+1LTE	5	5	QPSK
NR+LTE-MC-1-UE	T	1NR+1LTE	5	5	QPSK

30-1000MHz, Horizontal

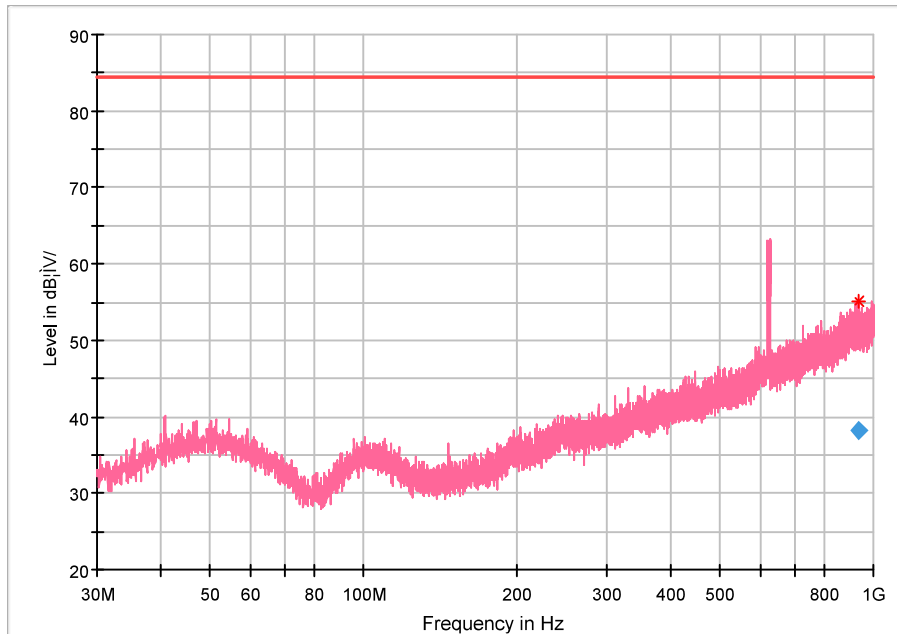
Full Spectrum



Frequency (MHz)	RMS (dB V/m)	Limit (dB V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
857.264500	36.73	84.40	47.67	112.3	H	1.0	26.8

30-1000MHz, Vertical

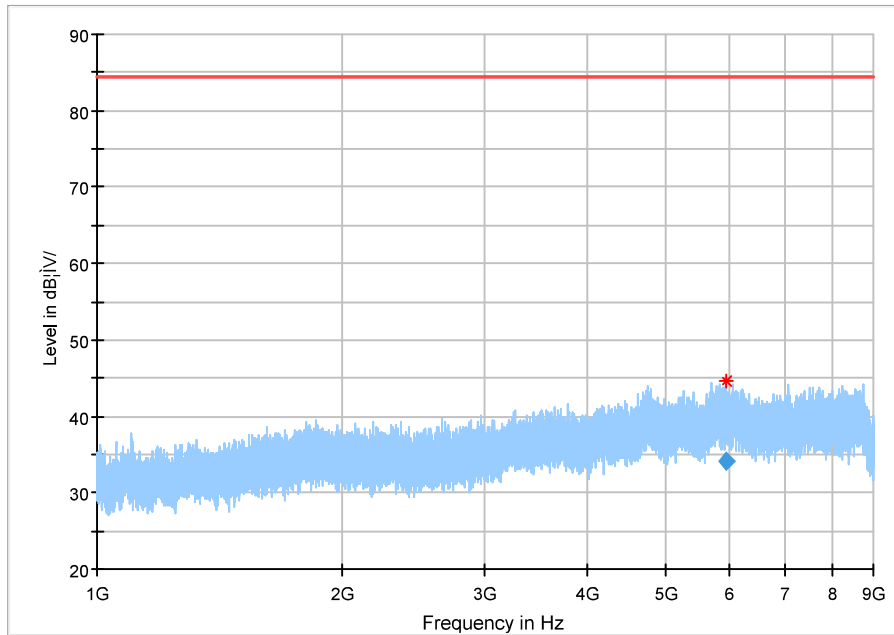
Full Spectrum



**TEST REPORT**

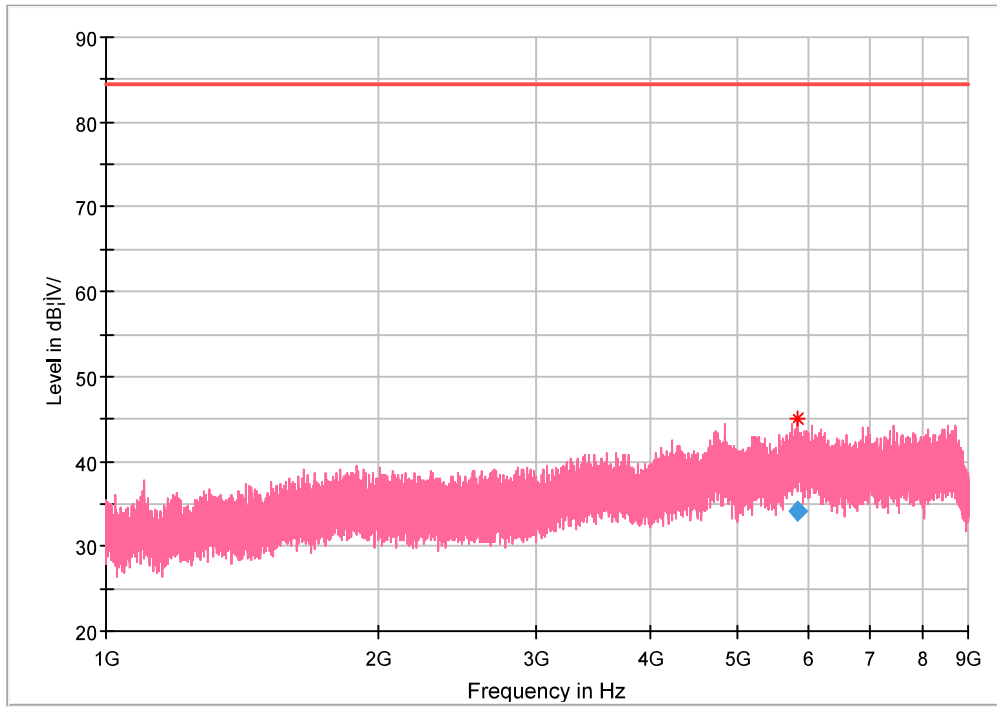
Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
935.446500	38.28	84.40	46.12	119.3	V	55.0	27.9

1-9GHz, Horizontal  
Full Spectrum



Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
5936.000000	34.15	84.40	50.25	124.9	H	260.0	-20.4

1-9GHz, Vertical  
Full Spectrum

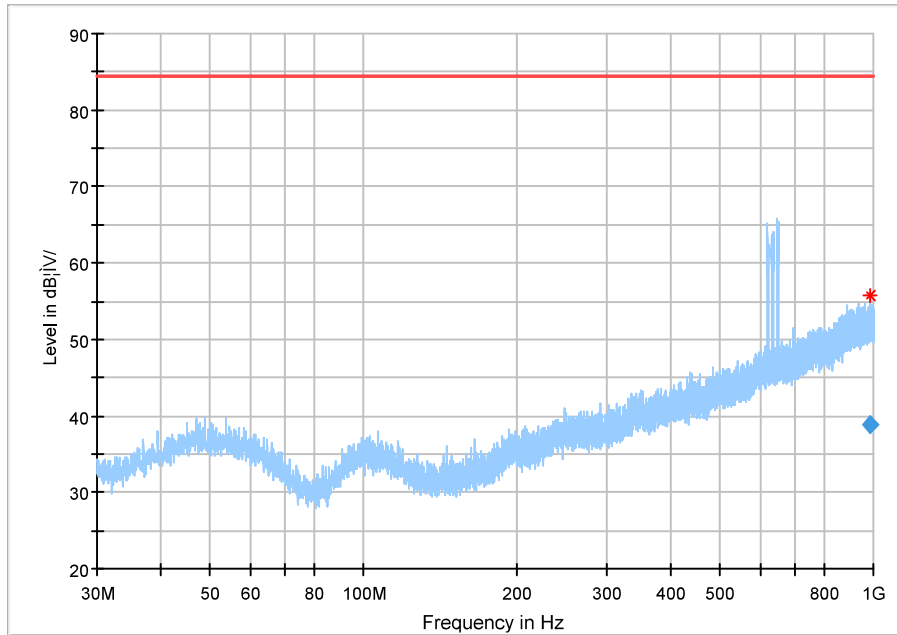


Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
5830.800000	34.17	84.40	50.23	99.9	V	257.0	-20.0

Configuration	Channel Position	Carrier	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Modulation
NR+LTE-MC-2-UE	M	2NR+1LTE	5	5	QPSK

**30-1000MHz, Horizontal**

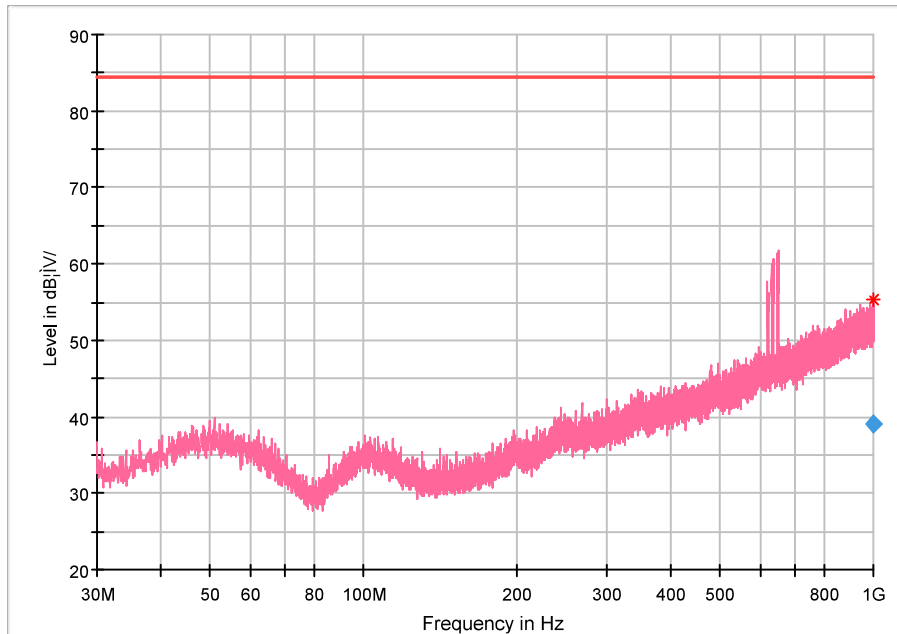
Full Spectrum



Frequency (MHz)	RMS (dB V/m)	Limit (dB V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
987.002000	38.78	84.40	45.62	112.3	H	158.0	28.5

**30-1000MHz, Vertical**

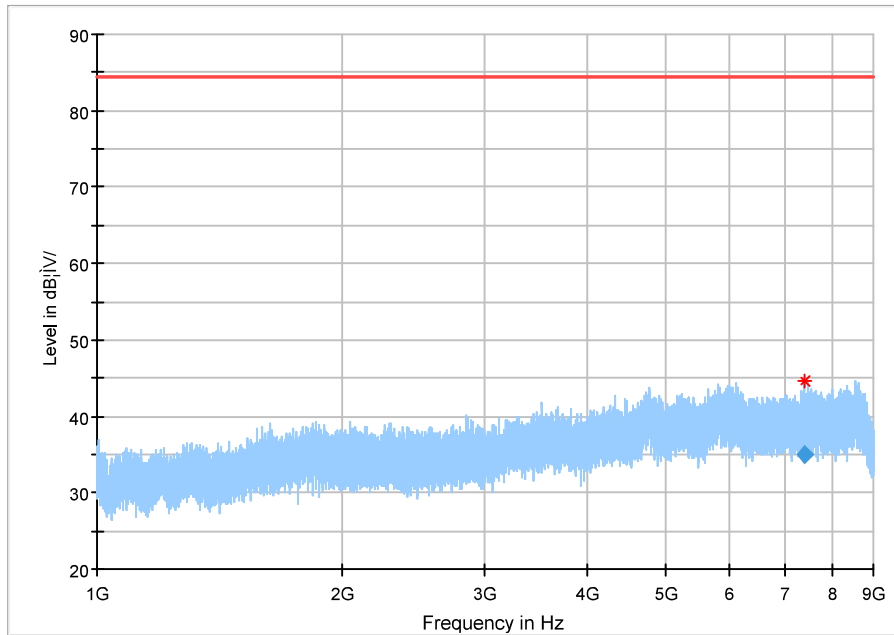
Full Spectrum



**TEST REPORT**

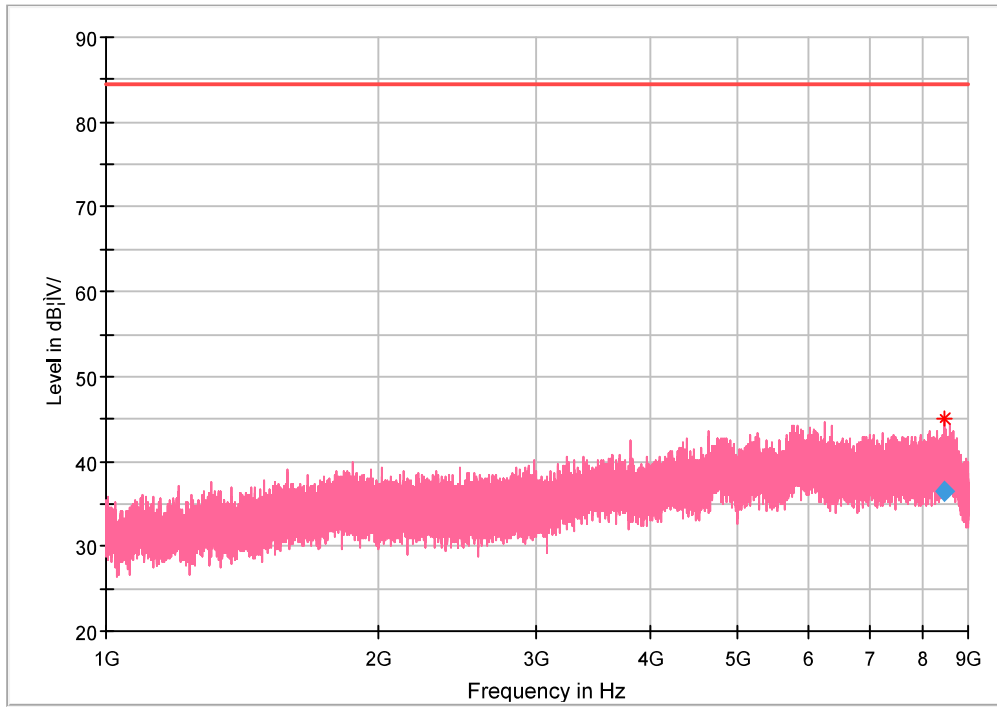
Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
996.896000	39.15	84.40	45.25	118.7	V	-14.0	28.7

1-9GHz, Horizontal  
Full Spectrum



Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7393.800000	35.01	84.40	49.39	99.9	H	257.0	-21.2

1-9GHz, Vertical  
Full Spectrum



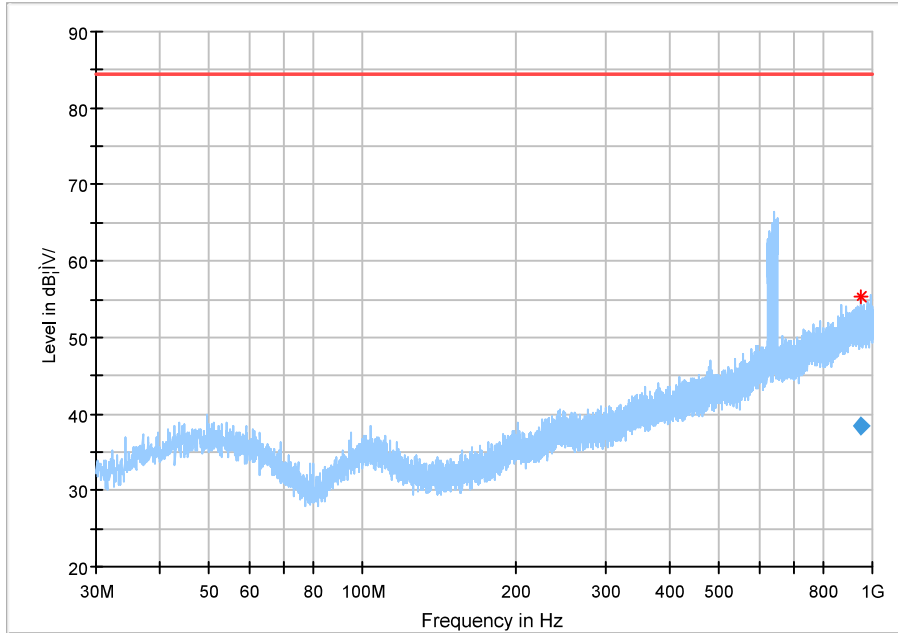
Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8489.600000	36.45	84.40	47.95	124.9	V	299.0	-20.0

Configuration	Channel Position	Carrier	NR Carrier Bandwidth (MHz)	LTE Carrier Bandwidth (MHz)	Modulation
NR+LTE-MC-3-UE	B	3NR+3LTE	5	5	QPSK
NR+LTE-MC-3-UE	T	3NR+3LTE	5	5	QPSK



**30-1000MHz, Horizontal**

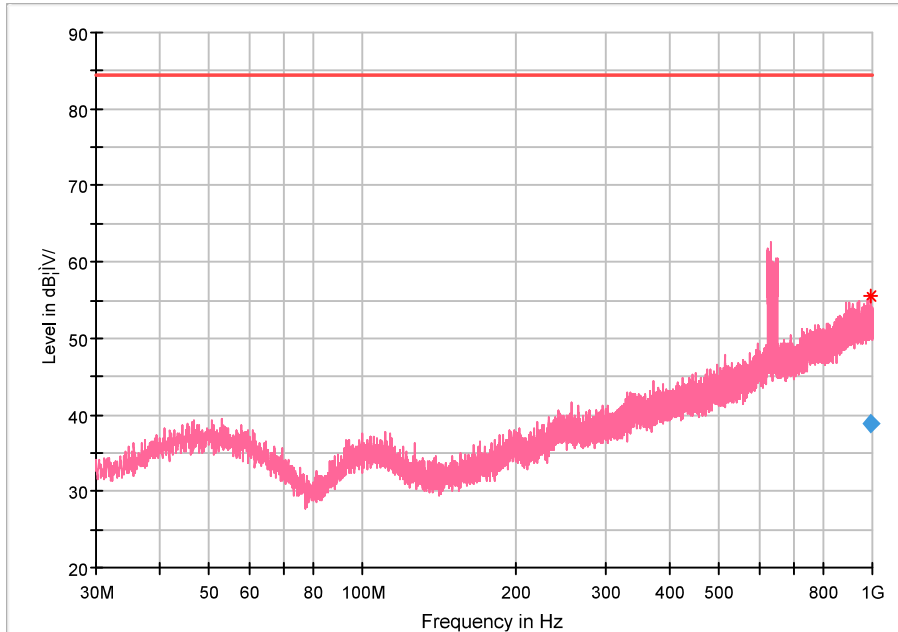
Full Spectrum



Frequency (MHz)	RMS (dB V/m)	Limit (dB V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
949.754000	38.36	84.40	46.04	119.3	H	334.0	28.0

**30-1000MHz, Vertical**

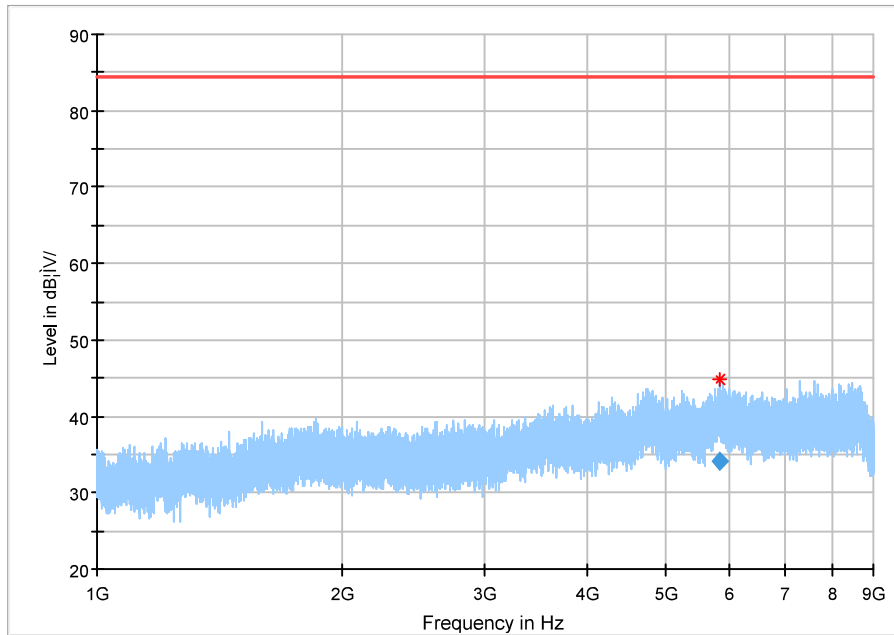
Full Spectrum



**TEST REPORT**

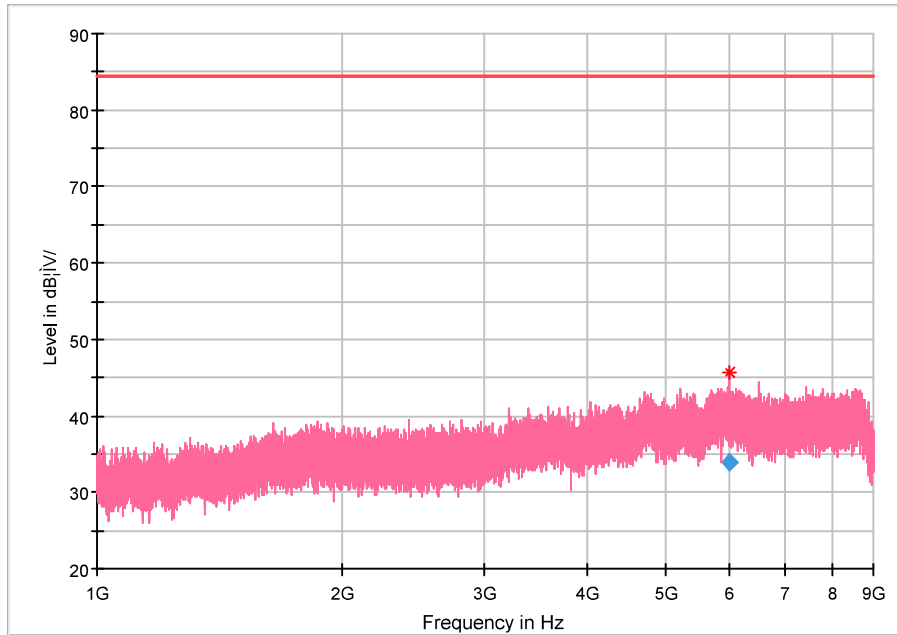
Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
990.203000	38.80	84.40	45.60	118.2	V	314.0	28.5

1-9GHz, Horizontal  
Full Spectrum



Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
5818.800000	34.17	84.40	50.23	124.9	H	259.0	-20.0

1-9GHz, Vertical  
Full Spectrum

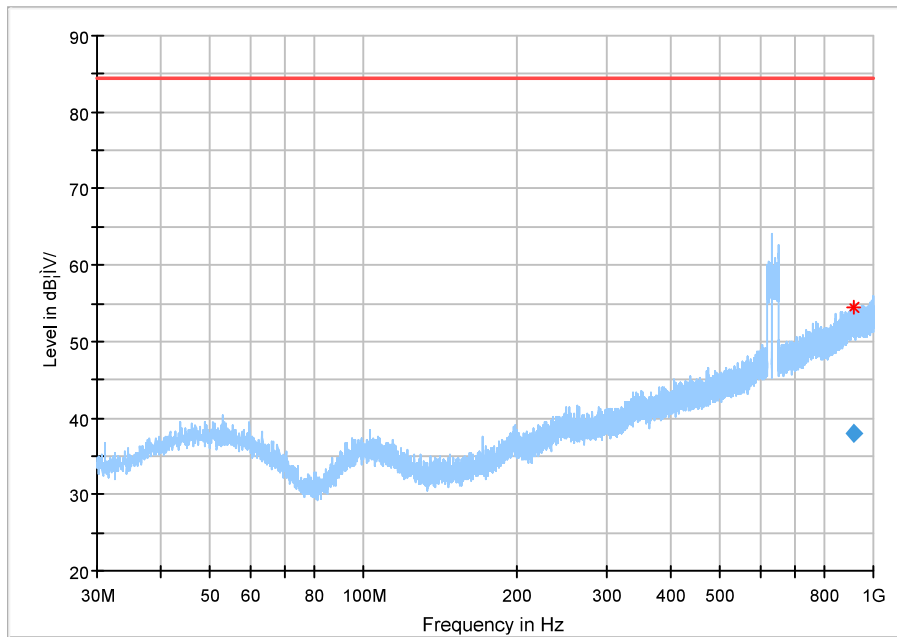


Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
5991.800000	34.00	84.40	50.40	118.5	V	259.0	-20.5

Configuration	Channel Position	Carrier	NR Carrier Bandwidth (MHz)	GB Carrier Bandwidth (MHz)	Modulation
NR+GB-MC-1-UE	M	1NR+1GB	15	20	QPSK

30-1000MHz, Horizontal

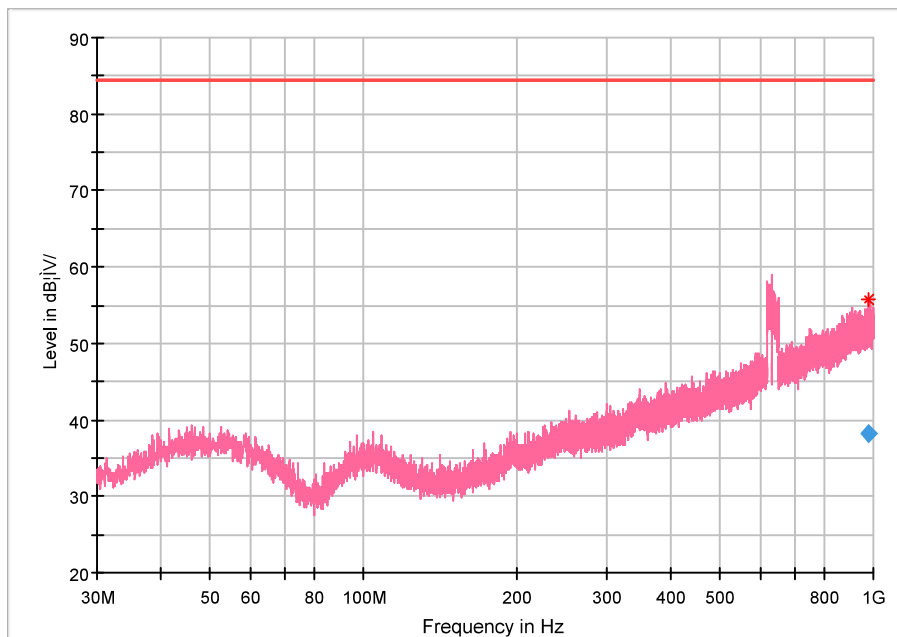
Full Spectrum



Frequency (MHz)	RMS (dB V/m)	Limit (dB V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
916.095000	38.07	84.40	46.33	124.8	H	326.0	27.9

30-1000MHz, Vertical

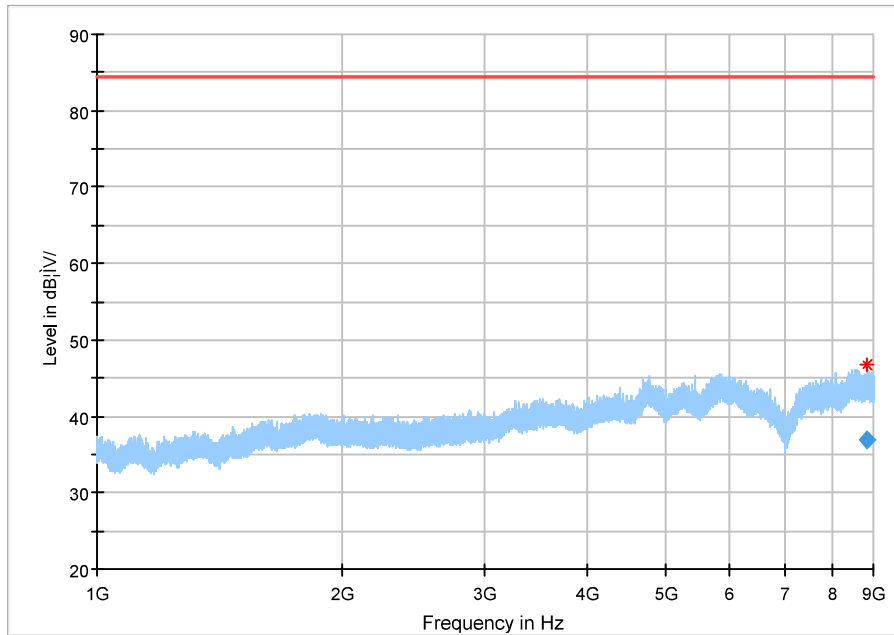
Full Spectrum



**TEST REPORT**

Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
975.362000	38.29	84.40	46.11	99.8	V	1.0	28.1

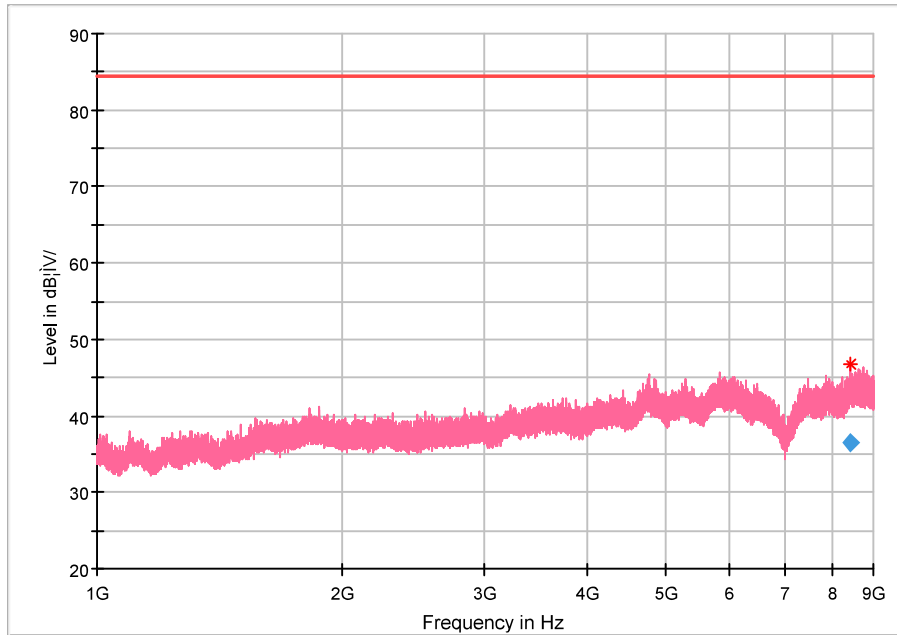
1-9GHz, Horizontal  
Full Spectrum



Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8833.200000	36.82	84.40	47.58	107.4	H	170.0	-19.9

1-9GHz, Vertical

Full Spectrum

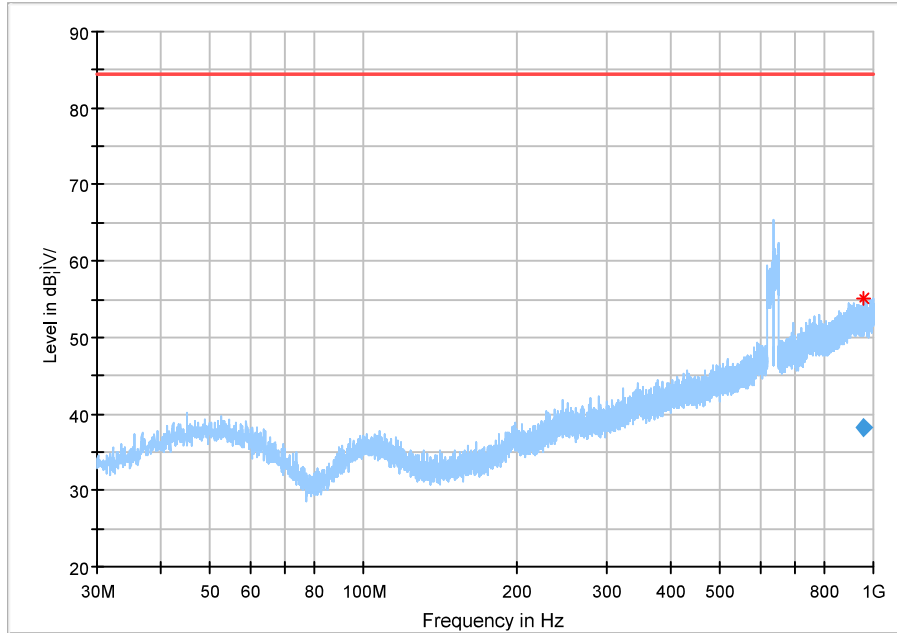


Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8426.800000	36.52	84.40	47.88	124.9	V	94.0	-20.2

Configuration	Channel Position	Carrier	NR Carrier Bandwidth (MHz)	GB Carrier Bandwidth (MHz)	Modulation
NR+GB-MC-1-UE	M	1NR+1GB	20	15	QPSK

30-1000MHz, Horizontal

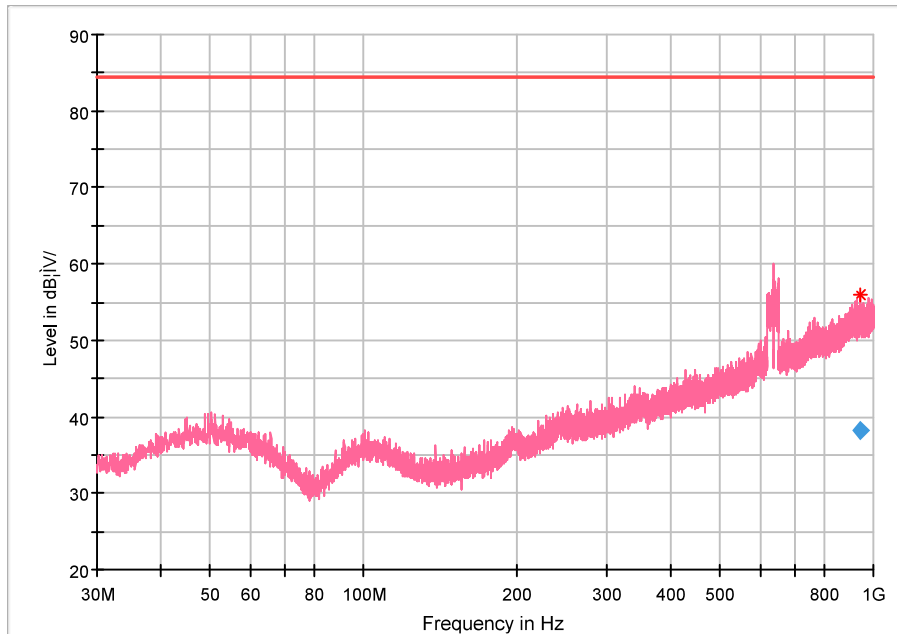
Full Spectrum



Frequency (MHz)	RMS (dB V/m)	Limit (dB V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
955.089000	38.25	84.40	46.15	107.2	H	227.0	28.0

30-1000MHz, Vertical

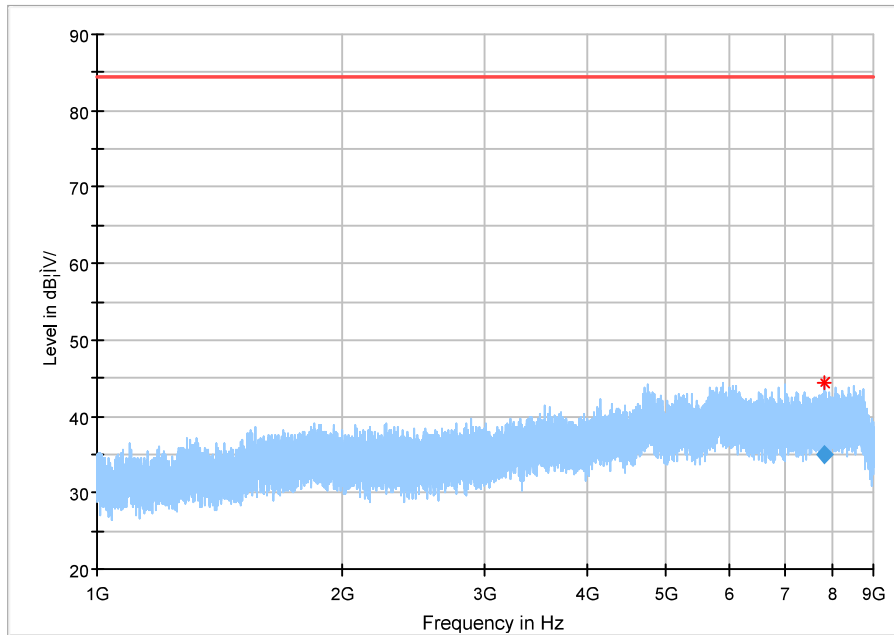
Full Spectrum



**TEST REPORT**

Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
942.673000	38.21	84.40	46.19	112.3	V	200.0	27.9

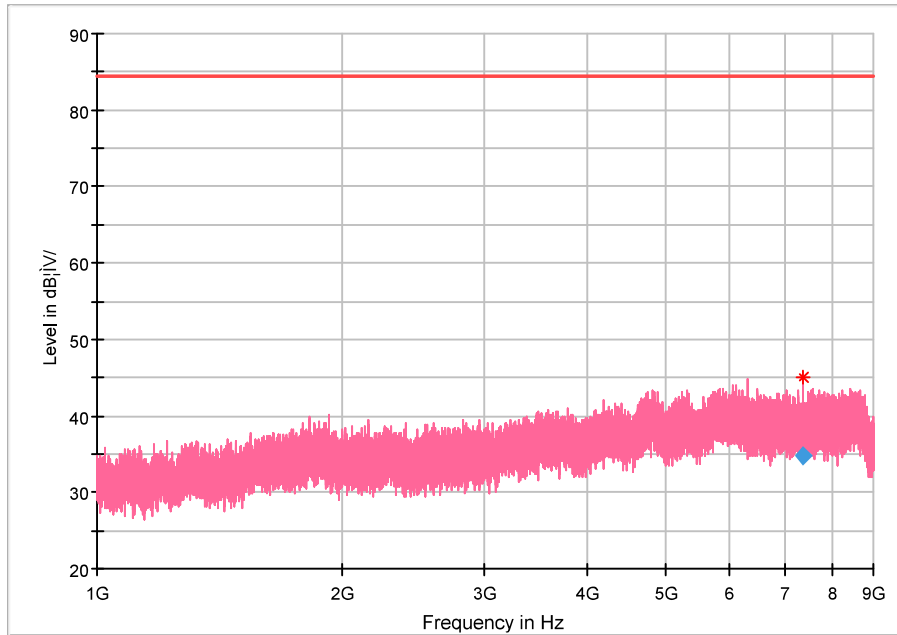
1-9GHz, Horizontal  
Full Spectrum



Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7834.800000	34.98	84.40	49.42	124.9	H	1.0	-21.1



1-9GHz, Vertical  
Full Spectrum

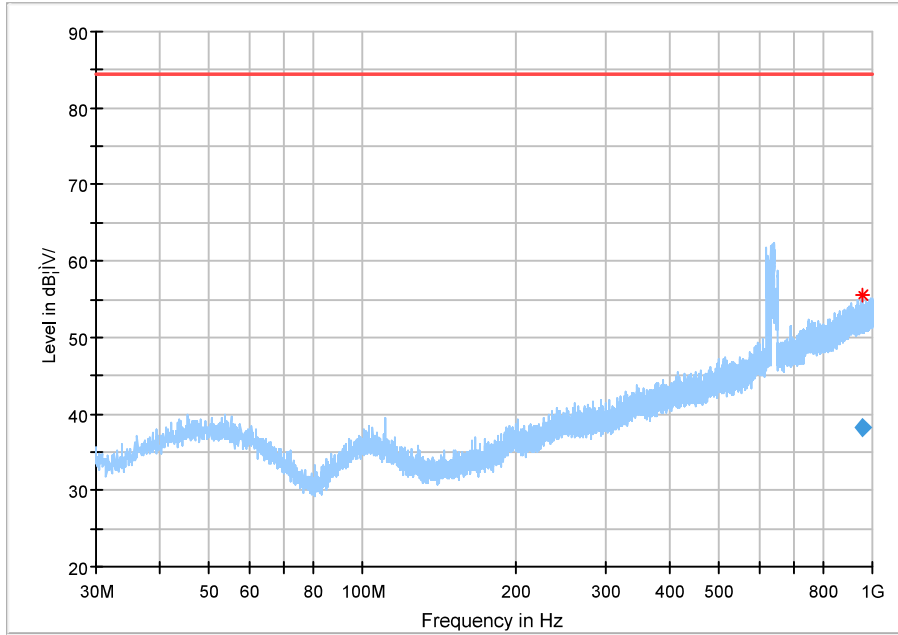


Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
7370.600000	34.87	84.40	49.53	124.9	V	257.0	-21.2

Configuration	Channel Position	Carrier	NR Carrier Bandwidth (MHz)	GB Carrier Bandwidth (MHz)	Modulation
NR+GB-MC-2-UE	M	3NR+2LTE+1GB	5	10	QPSK

30-1000MHz, Horizontal

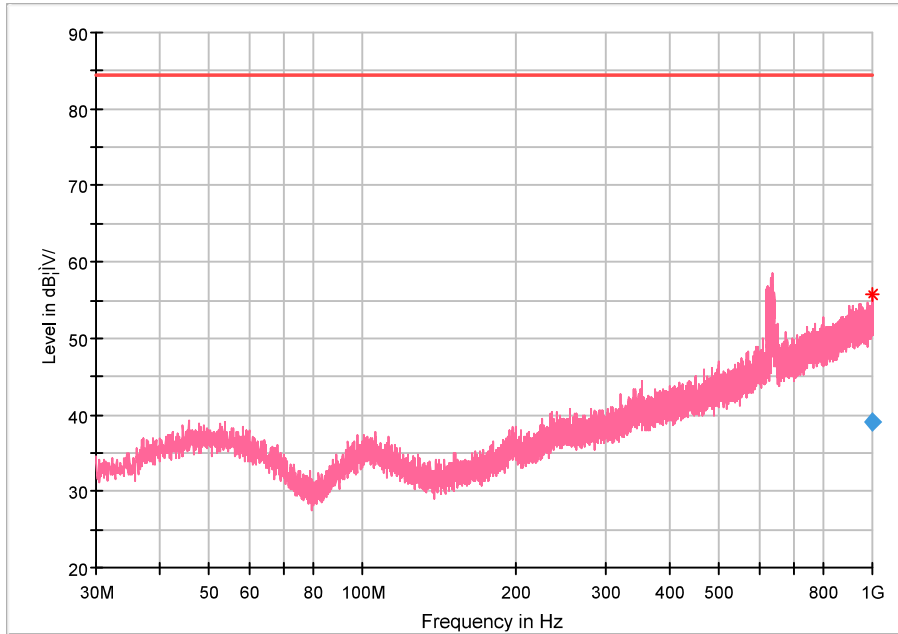
Full Spectrum



Frequency (MHz)	RMS (dB V/m)	Limit (dB V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
953.973500	38.28	84.40	46.12	124.8	H	30.0	28.0

30-1000MHz, Vertical

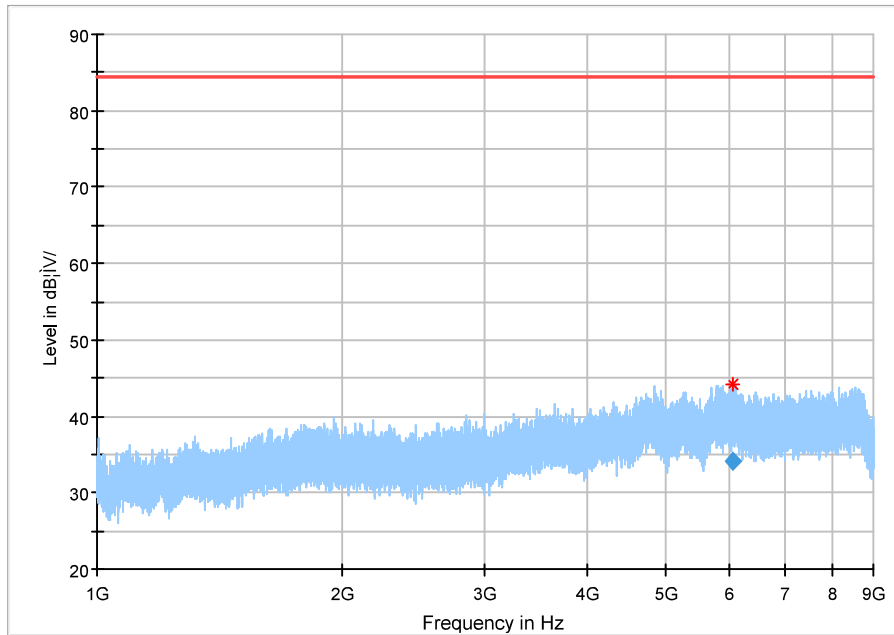
Full Spectrum



**TEST REPORT**

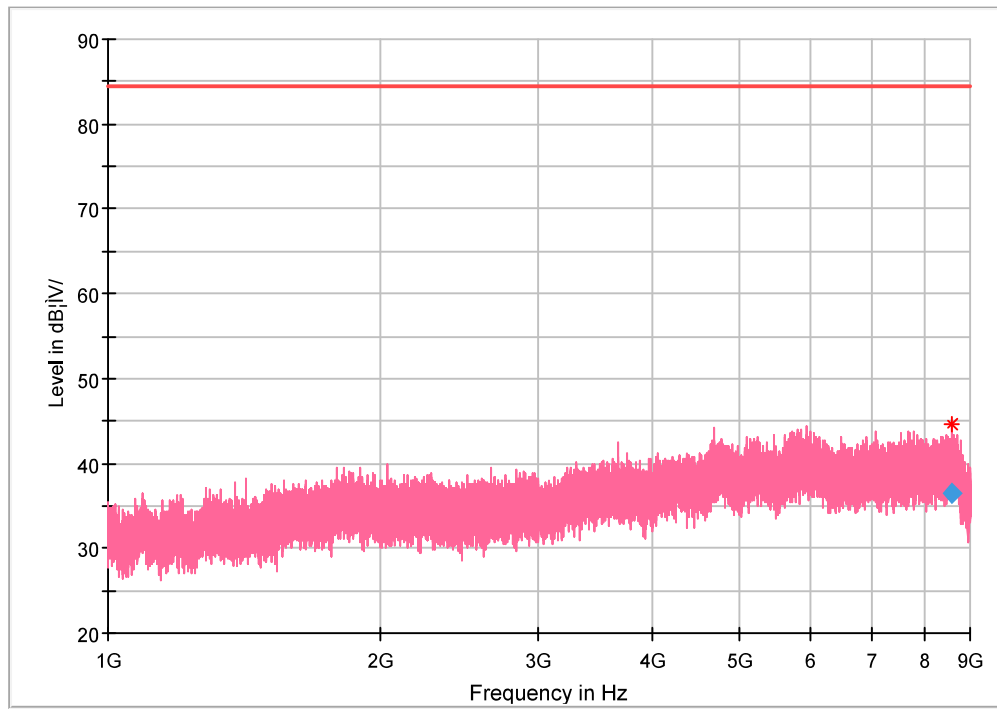
Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
998.787500	39.05	84.40	45.35	124.8	V	296.0	28.7

1-9GHz, Horizontal  
Full Spectrum



Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
6041.600000	34.05	84.40	50.35	113.0	H	1.0	-20.5

1-9GHz, Vertical  
Full Spectrum

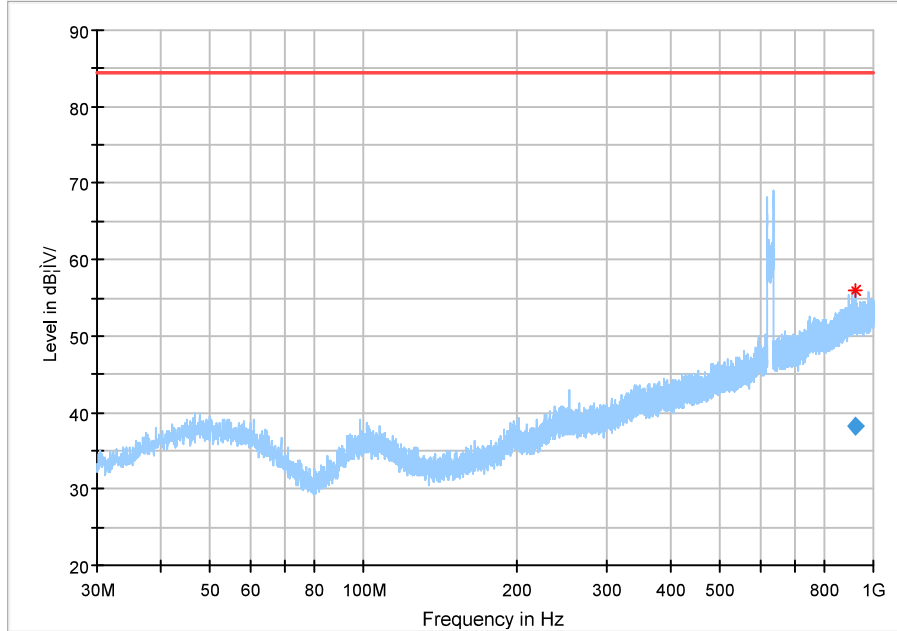


Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8589.600000	36.52	84.40	47.88	99.9	V	260.0	-19.9

Configuration	Channel Position	Carrier	ESS Carrier Bandwidth (MHz)	Modulation
NR ESS IB-1C-UE	M	1	20	QPSK
NR ESS IB-1C-UE	M	1	20	QPSK

**30-1000MHz, Horizontal**

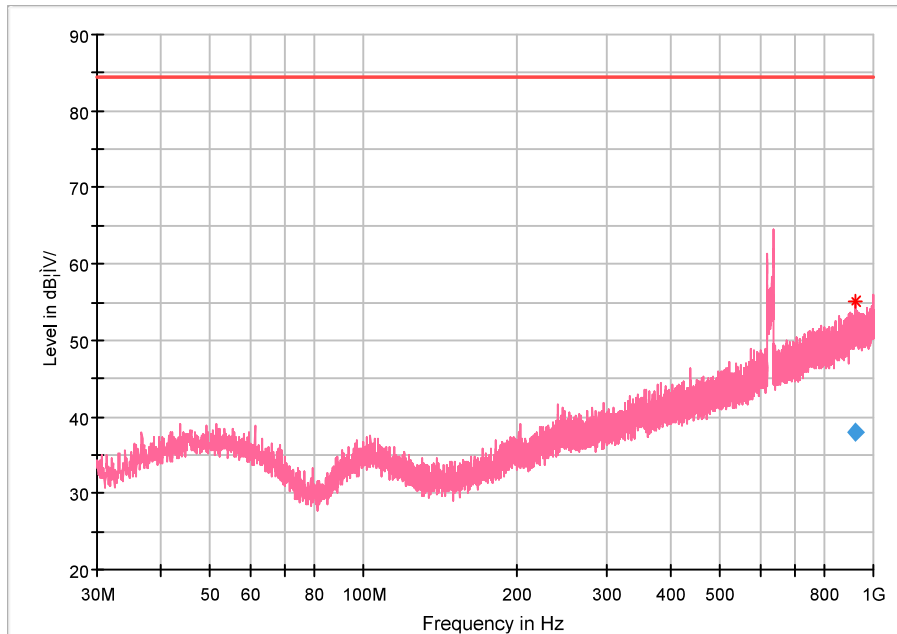
Full Spectrum



Frequency (MHz)	RMS (dB V/m)	Limit (dB V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
919.490000	38.09	84.40	46.31	124.8	H	268.0	27.9

**30-1000MHz, Vertical**

Full Spectrum

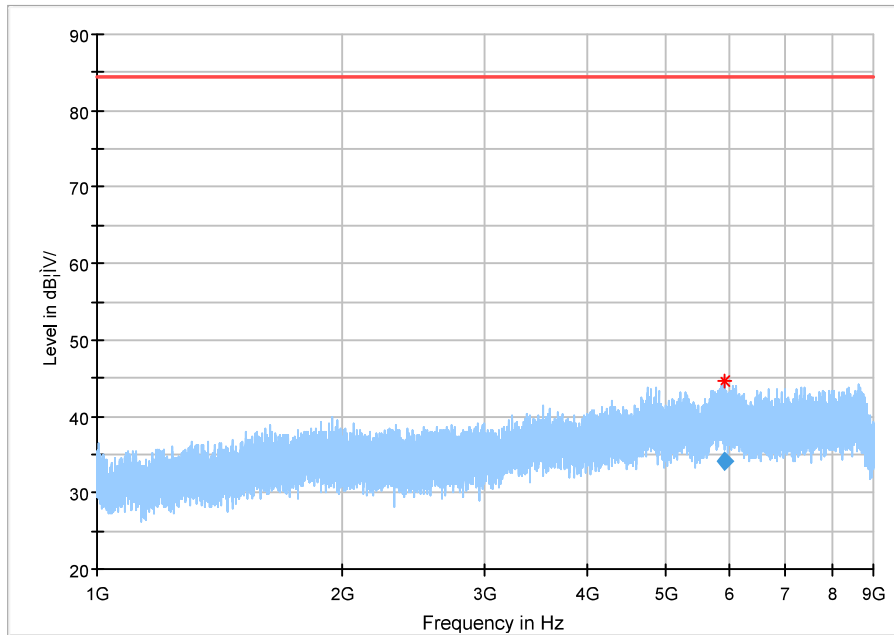


**TEST REPORT**

Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
919.247500	38.07	84.40	46.33	106.8	V	281.0	27.9

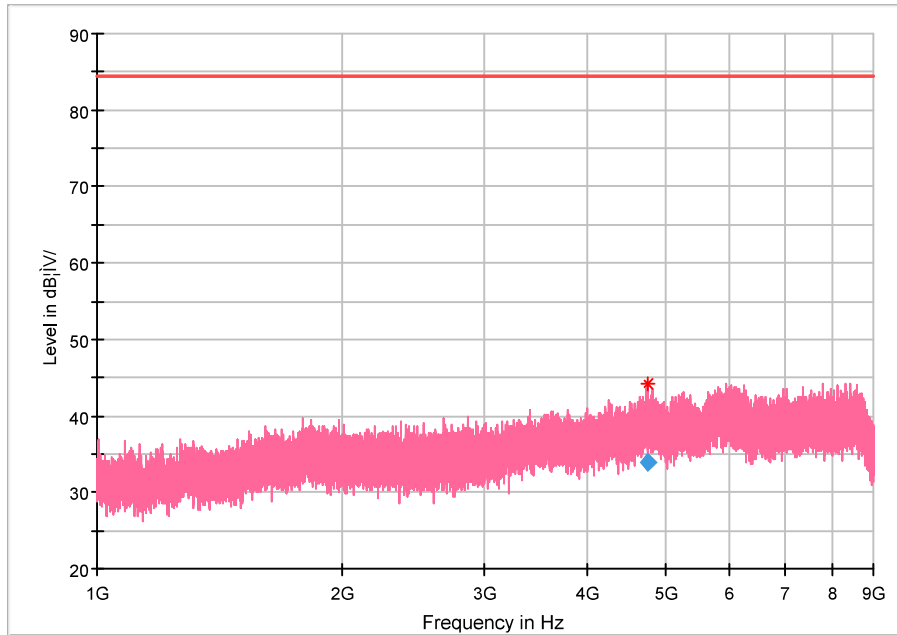
1-9GHz, Horizontal

Full Spectrum



Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
5908.800000	34.05	84.40	50.35	107.0	H	1.0	-20.4

1-9GHz, Vertical  
Full Spectrum

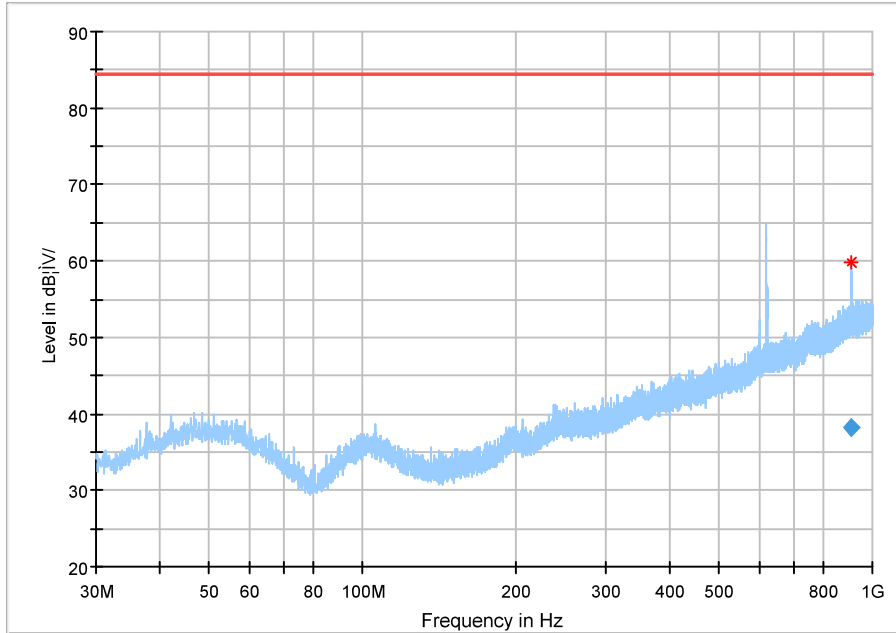


Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
4749.400000	33.86	84.40	50.54	124.9	V	1.0	-21.0

Configuration	Channel Position	Carrier	LTE Carrier Bandwidth (MHz)	SA Carrier Bandwidth (MHz)	Modulation
LTE+SA-MC-1-UE	B	1SA+1L	5	0.2	QPSK
LTE+SA-MC-1-UE	T	1LTE+1SA	5	0.2	QPSK

30-1000MHz, Horizontal

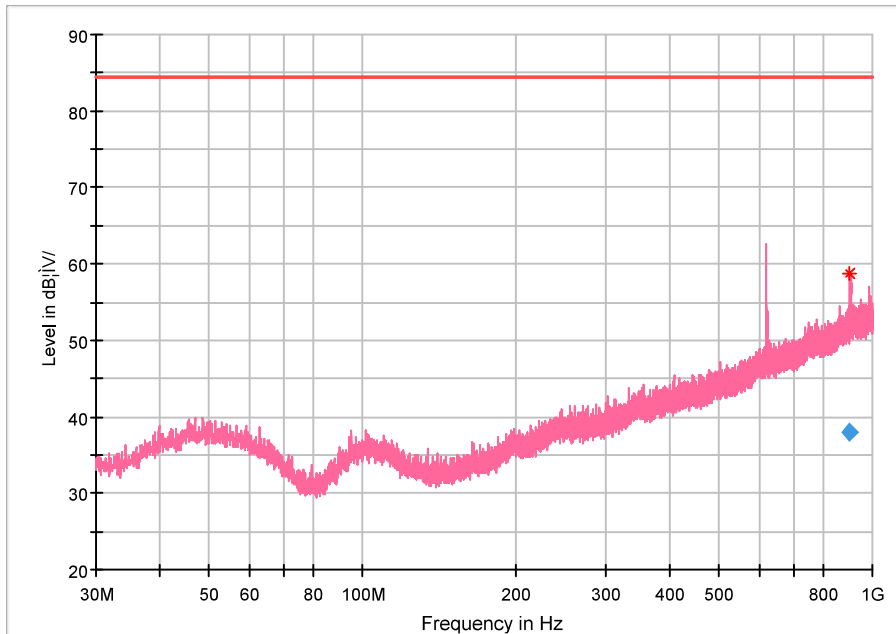
Full Spectrum



Frequency (MHz)	RMS (dB V/m)	Limit (dB V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
910.711500	38.16	84.40	46.24	112.5	H	236.0	27.9

30-1000MHz, Vertical

Full Spectrum

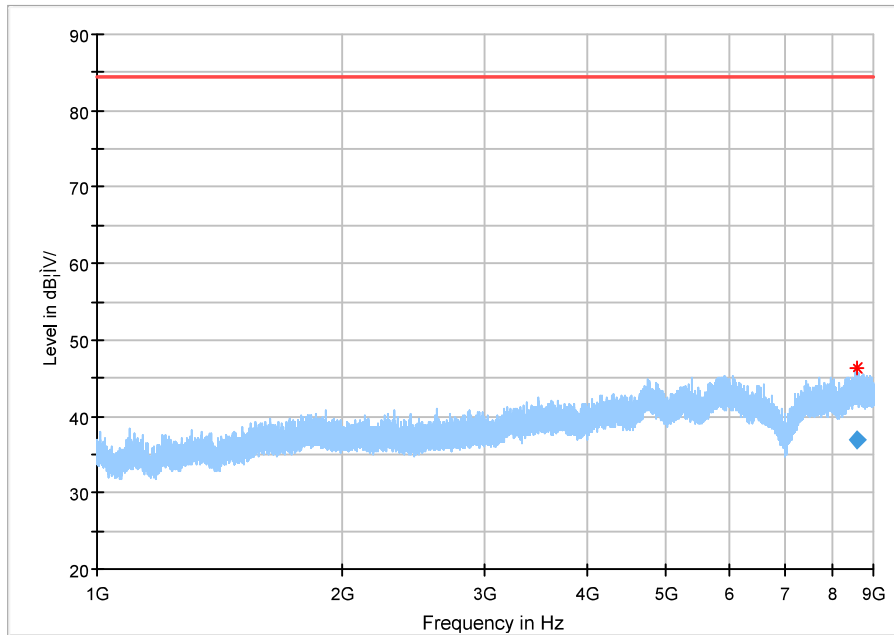




**TEST REPORT**

Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
905.134000	38.02	84.40	46.38	99.8	V	49.0	27.8

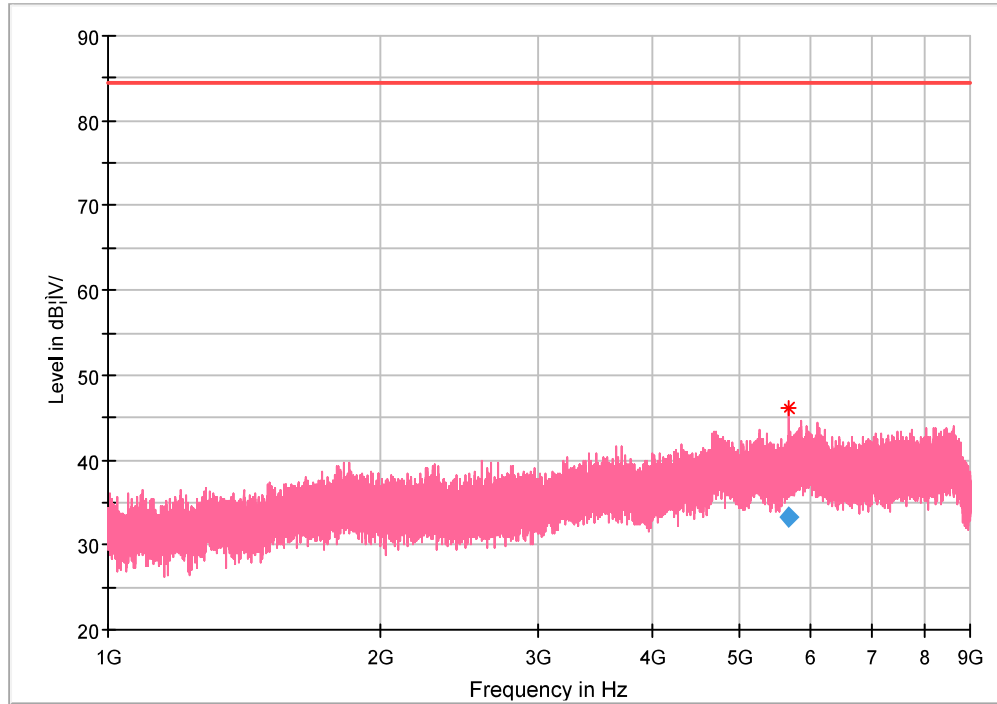
1-9GHz, Horizontal  
Full Spectrum



Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8577.200000	36.92	84.40	47.48	124.9	H	150.0	-19.9

1-9GHz, Vertical

Full Spectrum

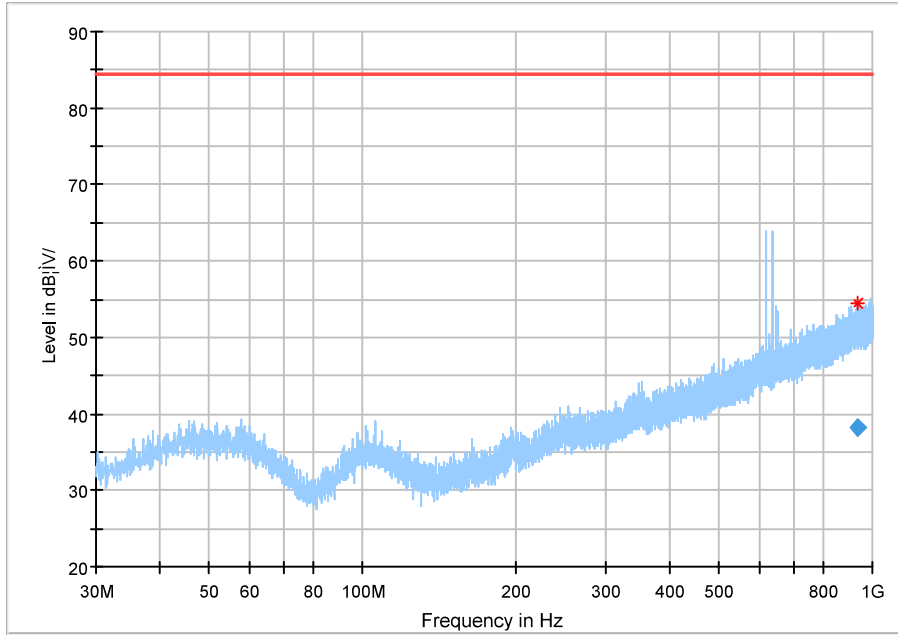


Frequency (MHz)	RMS (dB V/m)	Limit (dB V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
5676.000000	33.20	84.40	51.20	124.9	V	1.0	-20.9

Configuration	Channel Position	Carrier	LTE Carrier Bandwidth (MHz)	SA Carrier Bandwidth (MHz)	Modulation
LTE+SA-MC-2-UE	B	1LTE+2SA	5	0.2	QPSK
LTE+SA-MC-2-UE	T	1LTE+2SA	5	0.2	QPSK

**30-1000MHz, Horizontal**

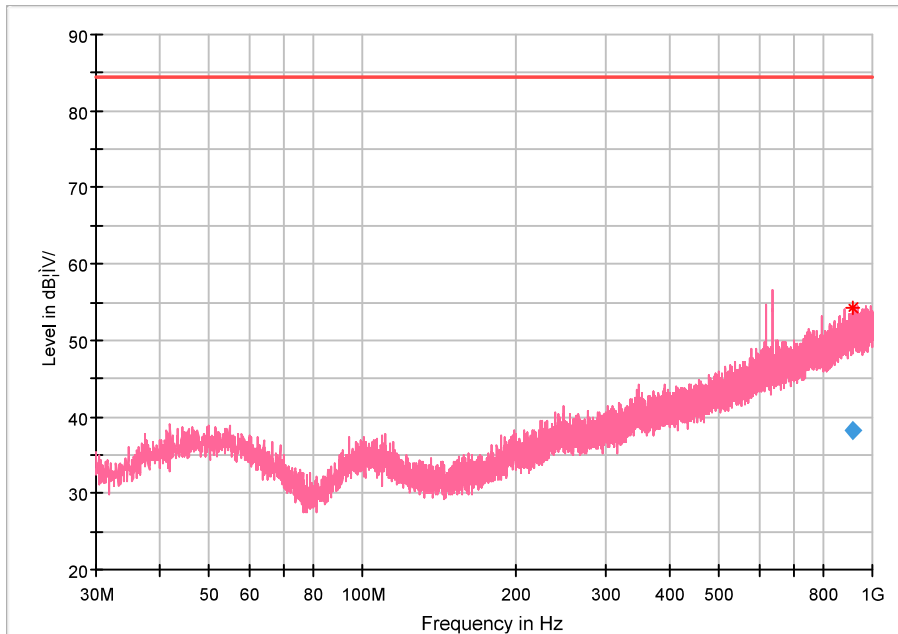
Full Spectrum



Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
935.495000	38.23	84.40	46.17	100.4	H	295.0	27.9

**30-1000MHz, Vertical**

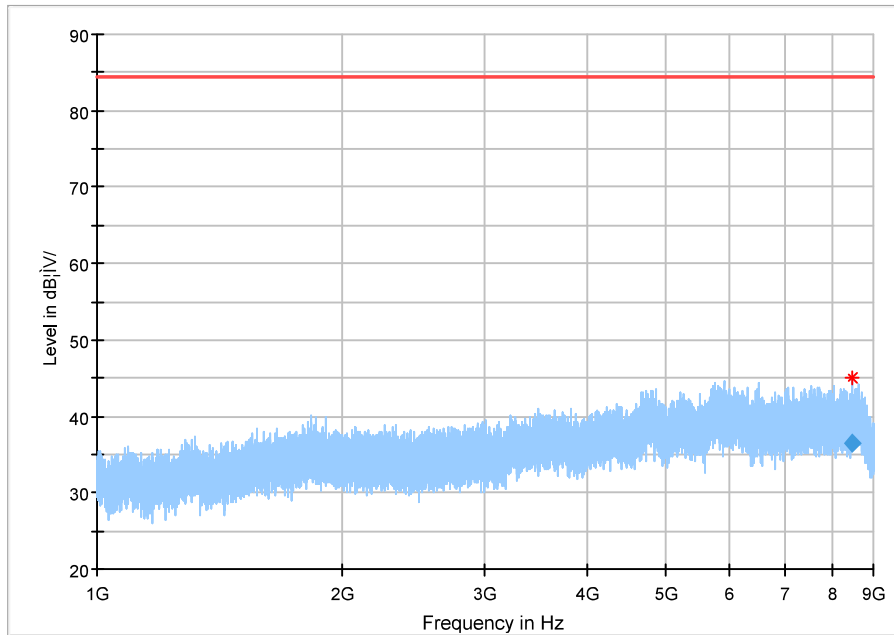
Full Spectrum



**TEST REPORT**

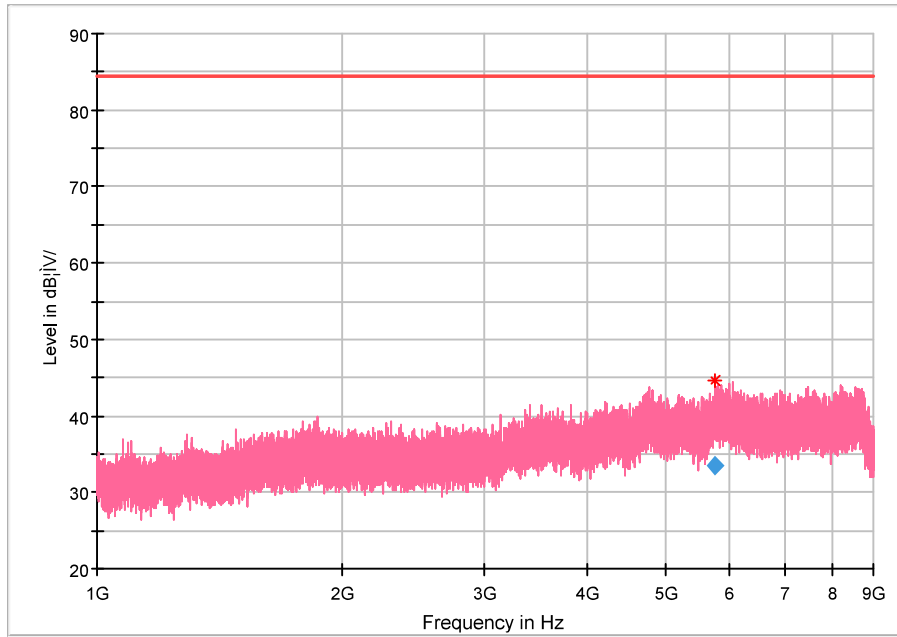
Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
913.088000	38.10	84.40	46.30	124.8	V	-20.0	27.9

1-9GHz, Horizontal  
Full Spectrum



Frequency (MHz)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
8484.600000	36.42	84.40	47.98	124.9	H	259.0	-20.0

1-9GHz, Vertical  
Full Spectrum



Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
5735.200000	33.59	84.40	50.81	124.9	V	259.0	-20.5

**TEST REPORT****8 Frequency Stability****Test result:      Tested****8.1 Limit**

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

**8.2 Measurement Procedure****Temperature Variation**

The EUT was tested over the temperature range -40°C to +55°C in 10°C steps with -48 VDC Power Supply. At each temperature step, the Base Station was configured to transmit at maximum power on the middle channel of the operating band.

**Voltage Variation**

The EUT was tested at the supplied voltages varied from 85 to 115 percent of the nominal values of -48 VDC. At +20°C, the Base Station was configured to transmit at maximum power on the middle channel of the frequency block.

### 8.3 Measurement result

Frequency Error – Temperature Variation

NR-1C, Channel Bandwidth: 20MHz

Antenna Port	Modulation	Temperature (°C)	Frequency Stability (Hz)		
			Channel Position B	Channel Position M	Channel Position T
A	QPSK	-40	0.212	0.188	0.264
		-30	0.112	0.169	0.164
		-20	0.077	0.151	0.225
		-10	0.197	0.201	0.193
		0	0.162	0.221	0.202
		10	0.199	0.222	0.211
		20	0.177	0.149	0.216
		30	0.201	0.254	0.181
		40	0.158	0.175	0.237
		50	0.292	0.211	0.151
		55	0.245	0.261	0.272

Frequency Error – Voltage Variation

NR-1C, Channel Bandwidth: 20MHz

Antenna Port	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
A	QPSK	20	-40.8	0.212	0.171	0.199
			-48.0	0.177	0.149	0.216
			-55.2	0.203	0.163	0.147

**TEST REPORT**

Frequency Error – Temperature Variation

LTE-1C, Channel Bandwidth: 20MHz

Antenna Port	Modulation	Temperature (°C)	Frequency Stability (Hz)		
			Channel Position B	Channel Position M	Channel Position T
A	QPSK	-40	0.421	0.477	0.502
		-30	0.511	0.372	0.457
		-20	0.502	0.512	0.546
		-10	0.612	0.592	0.592
		0	0.644	0.582	0.579
		10	0.622	0.752	0.652
		20	0.569	0.472	0.487
		30	0.673	0.687	0.583
		40	0.485	0.388	0.425
		50	0.478	0.591	0.588
		55	0.461	0.496	0.532

Frequency Error – Voltage Variation

LTE-1C, Channel Bandwidth: 20MHz

Antenna Port	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
A	QPSK	20	-40.8	0.418	0.402	0.481
			-48.0	0.569	0.472	0.487
			-55.2	0.412	0.488	0.512



Frequency Error – Temperature Variation

GB-1C, Channel Bandwidth: 20MHz

Antenna Port	Modulation	Temperature (°C)	Frequency Stability (Hz)		
			Channel Position B	Channel Position M	Channel Position T
A	QPSK	-40	2.11	1.61	2.21
		-30	3.73	1.91	1.64
		-20	1.81	1.88	1.93
		-10	1.28	1.23	1.29
		0	1.67	1.82	1.48
		10	1.72	2.04	1.88
		20	1.55	1.57	1.74
		30	1.84	1.66	1.64
		40	1.31	1.36	1.67
		50	1.42	1.41	1.52
		55	1.53	1.48	1.54

Frequency Error – Voltage Variation

GB-1C, Channel Bandwidth: 20MHz

Antenna Port	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
A	QPSK	20	-40.8	1.21	1.51	1.58
			-48.0	1.55	1.57	1.74
			-55.2	1.41	1.42	1.44

Frequency Error – Temperature Variation

IB-1C, Channel Bandwidth: 20MHz

Antenna Port	Modulation	Temperature (°C)	Frequency Stability (Hz)		
			Channel Position B	Channel Position M	Channel Position T
A	QPSK	-40	26.18	26.91	26.65
		-30	26.68	26.85	26.49
		-20	26.64	26.95	26.05
		-10	26.56	26.62	26.47
		0	26.63	26.37	26.45
		10	26.72	26.85	26.73
		20	26.65	26.42	26.41
		30	26.52	26.66	26.47
		40	26.82	26.67	26.44
		50	26.49	26.49	26.73
		55	26.62	26.61	26.57

Frequency Error – Voltage Variation

IB-1C, Channel Bandwidth: 20MHz

Antenna Port	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
A	QPSK	20	-40.8	26.44	26.32	26.37
			-48.0	26.65	26.42	26.41
			-55.2	26.41	26.51	26.32

**TEST REPORT**

Frequency Error – Temperature Variation

SA-1C, Channel Bandwidth: 0.2MHz

Antenna Port	Modulation	Temperature (°C)	Frequency Stability (Hz)		
			Channel Position B	Channel Position M	Channel Position T
A	QPSK	-40	0.496	0.568	0.792
		-30	0.374	0.368	0.404
		-20	0.399	0.791	0.486
		-10	0.499	0.432	0.468
		0	0.381	0.429	0.562
		10	0.358	0.404	0.359
		20	0.358	0.404	0.359
		30	0.466	0.486	0.452
		40	0.447	0.473	0.473
		50	0.487	0.441	0.437
		55	0.625	0.507	0.588

Frequency Error – Voltage Variation

SA-1C, Channel Bandwidth: 0.2MHz

Antenna Port	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
A	QPSK	20	-40.8	0.378	0.431	0.361
			-48.0	0.358	0.404	0.359
			-55.2	0.438	0.437	0.459

**TEST REPORT**

Frequency Error – Temperature Variation

NR ESS IB-1C, NR

Antenna Port	Modulation	Temperature (°C)	Frequency Stability (Hz)		
			Channel Position B	Channel Position M	Channel Position T
A	QPSK	-40	0.294	0.341	0.432
		-30	-	0.345	-
		-20	-	0.309	-
		-10	-	0.345	-
		0	-	0.383	-
		10	-	0.303	-
		20	0.313	0.321	0.292
		30	-	0.636	-
		40	-	0.351	-
		50	-	0.365	-
		55	0.314	0.282	0.292

Frequency Error – Voltage Variation

NR ESS IB -1C, NR

Antenna Port	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
A	QPSK	20	-40.8	0.335	0.287	0.344
			-48.0	0.313	0.321	0.292
			-55.2	0.286	0.234	0.272

**TEST REPORT**

Frequency Error – Temperature Variation

NR ESS IB-1C, IB

Antenna Port	Modulation	Temperature (°C)	Frequency Stability (Hz)		
			Channel Position B	Channel Position M	Channel Position T
A	QPSK	-40	4.46	5.02	5.15
		-30	-	4.52	-
		-20	-	5.08	-
		-10	-	4.97	-
		0	-	5.29	-
		10	-	4.75	-
		20	4.56	4.64	4.32
		30	-	4.95	-
		40	-	5.07	-
		50	-	4.61	-
		55	5.17	5.04	4.46

Frequency Error – Voltage Variation

NR ESS IB -1C, IB

Antenna Port	Modulation	Temperature (°C)	Supply Voltage (V)	Frequency Stability (Hz)		
				Channel Position B	Channel Position M	Channel Position T
A	QPSK	20	-40.8	4.51	4.21	5.05
			-48.0	4.56	4.64	4.32
			-55.2	5.05	4.95	4.71

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